FFT FLEX-FLOAT TECHNOLOGY®

MacDon®

FD2 Series FlexDraper® Header with FM200 Float Module

Parts Catalog

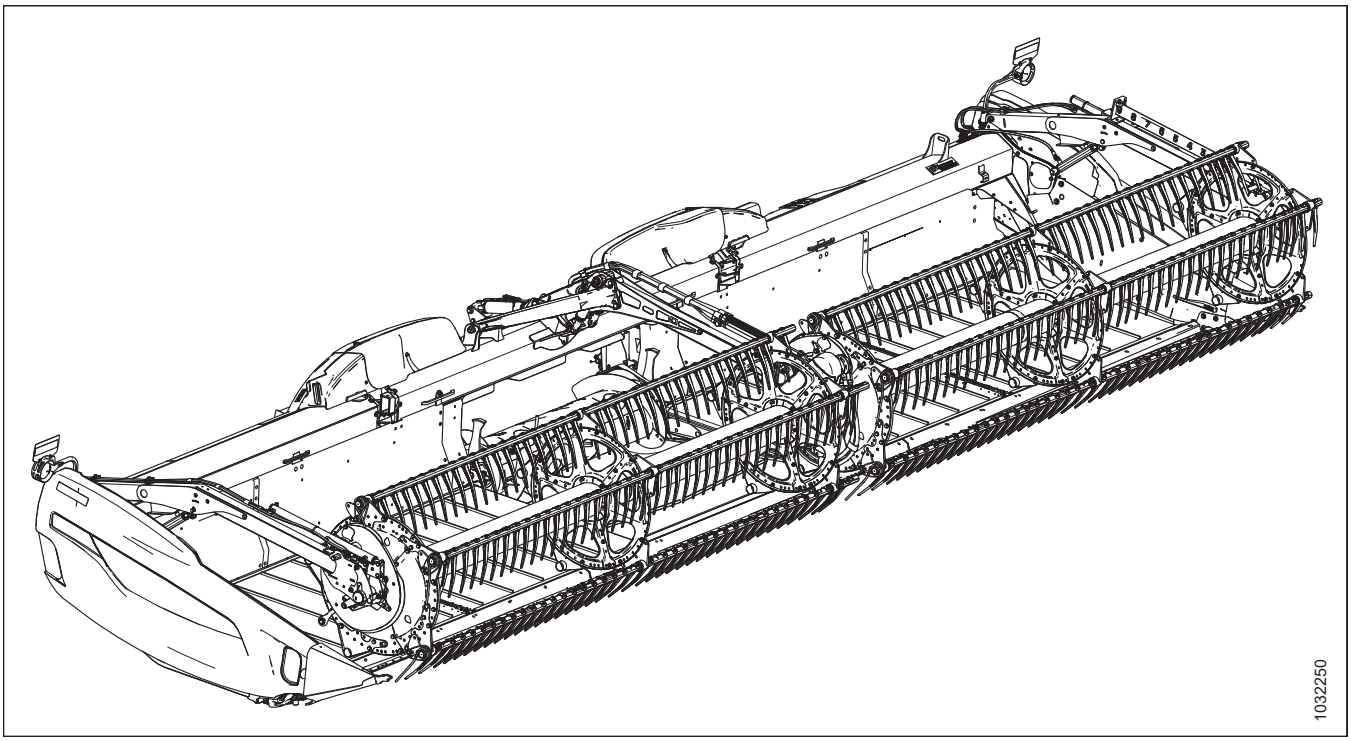
262656 Revision A

Original Instruction

Featuring MacDon FLEX-FLOAT Technology®

The Harvesting Specialists.

FD2 Series FlexDraper® Header with FM200 Float Module



Published: July 2024

NOTE:

Keep your MacDon publications up-to-date. The most current English version can be downloaded from our website (*www.macdon.com*) or from our Dealer-only site (*https://portal.macdon.com*) (login required).

Czech, French, German, Portuguese, Russian, and Spanish translations of this manual can be ordered from MacDon, downloaded from the MacDon Dealer Portal (*https://portal.macdon.com*) (login required), or downloaded from the MacDon website (*http://www.macdon.com*).

© 2024 MacDon Industries, Ltd.

The information in this publication is based on the information available and in effect at the time of printing. MacDon Industries, Ltd. makes no representation or warranty of any kind, whether expressed or implied, with respect to the information in this publication. MacDon Industries, Ltd. reserves the right to make changes at any time without notice.

Introduction

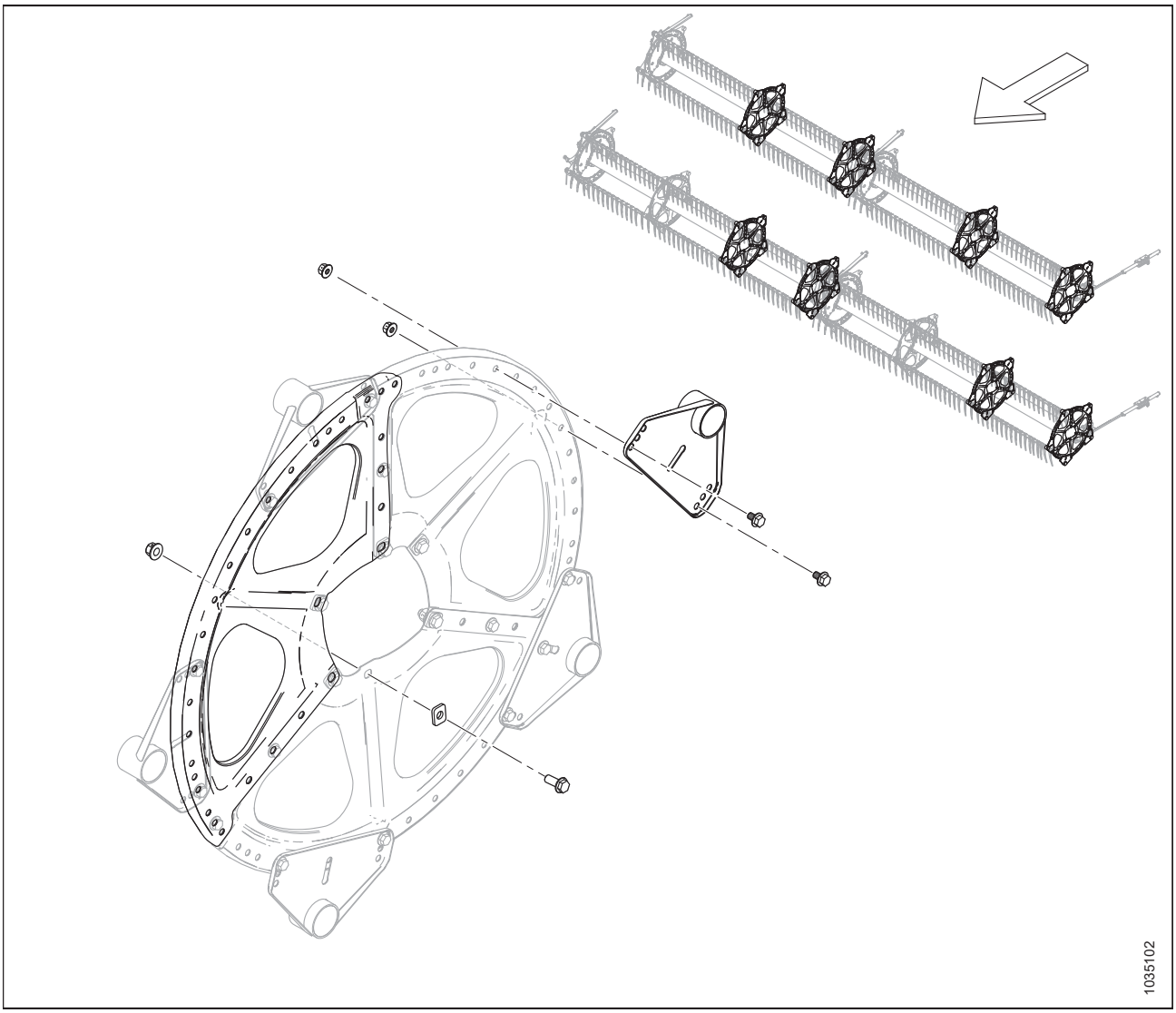
This Parts Catalog lists all the replacement parts that can be ordered for a MacDon FD2 Series FlexDraper® Combine Header (Section *1 Header Frame Components (FD225, FD230, FD235, FD240, FD241, FD245, and FD250), page 1* to *177 (Option) VertiBlade™ Vertical Knife Components, page 437*) and a FM200 Float Module (Section *178 Frame Components – Float Module, page 441* to *260 (Option) Stripper Bars, page 663*).

When ordering, be sure the complete and proper part number is given. Some parts vary with header size; be sure you are ordering the correct part number for your unit.

Bold text is used to indicate updates made at the current revision level. With each new revision of the catalog, previous revisions are returned to regular text.

Electrical connectors used on MacDon products are available for sale but not listed in this catalog. For the list of available connectors, refer to the Electrical Connectors Parts Catalog (MD #169641).

In this catalog, right and left are determined from the operator's seated position in the combine. An arrow is sometimes used in illustrations to indicate forward position.



Abbreviations

A/R – as required (quantity varies)	ASSY – assembly	BHRN – button head rib neck
BV – ball valve	CCW – counterclockwise	CON – conical (spring washer)
CSK – countersink	C/W – complete with	CW – clockwise
DBLE – double	DK – double knife	DR – double reel
DT – distorted thread	FLG – flange	GA – gauge
GR – grade	GS – grass seed	HD – head
HDR – header	HFA – hydraulic fore-aft	HH – hex head
HNBR – hydrogenated nitrile butadiene rubber	HYD – hydraulic	I.D. – inside diameter
IP – internal plus (torx plus)	KP – knife pressure	KR – knife return
LG – long	LH – left hand (determined from Operator's position, facing forward)	LK – lock
MACH – machine	MD – MacDon	MFA – manual fore-aft
MY – model year	NC – national coarse thread	NF – national fine thread
NSS – not sold separately	NT – narrow transport	O.D. – outside diameter
OPT – optional	PO – pilot operated	PT – pull-type (mower conditioner)
RC – roller chain	REF – reference, part number called up elsewhere in catalog	REG – regular
RH – right hand (determined from Operator's position, facing forward)	RHSN – round head, square neck or square neck carriage bolt	RHSSN – round head, short, square neck
RTD – rotating tine drum	SAE – Society of Automotive Engineers (part produced to comply with)	SD – side draper
SER – serrated	SK – single knife	SKT HD – socket head
SMTH – smooth	SMV – slow moving vehicle	SOCK – socket
SP – self-propelled (windrower) header	SPCL – special	SPH – spherical
SPI – serrations per inch (knife Sections)	SR – single reel	STL – steel (stainless)
STR – standard	STVR – Stover	TFL – thread full length
THD – thread	TR – triple reel	UCA – upper cross auger
UDK – untimed double knife	UNC – unified coarse thread	UNEF – unified extra fine thread
UNF – unified fine thread	UNS – unified special thread series	VK – veritcal knife
WF – wide frame	ZP – zinc plated	

Serial Number Breaks

The side of the serial number on which the dash (–) appears determines whether the part is used up to or after the serial number given.

Example:

- –451189: Used on machines up to and including serial number 451189
- 451190– : Used on machines including and after serial number 451190

Summary of Changes – FD2 Series and FM200 (MD #262656 Rev. A)

This list covers changes made since the last revision (MD #262612 Rev. A).

Section	Summary of Change	Internal Use Only
1 Header Frame Components (FD225, FD230, FD235, FD240, FD241, FD245, and FD250), page 1	Superseded lock link 258637 with service kit 378620 for units made in model year 2024 and prior; added lock link 261496, pin sleeve 378621, and clevis pin 30463. Added serial number breaks and footnotes for clarity. Updated illustration from 1042434 to 1044886 to show changes.	ECN 65242
	Revised topic title.	Technical Publications
2 Header Frame Components (FD261), page 3	Added new topic with new illustration 1044668.	Technical Publications
6 Manual Case, Retaining Pin, and Knife Storage (FD261), page 11	Added new topic with new illustration 1044188.	Technical Publications
12 Endshields – New Holland, page 23	Superseded yellow endshield assemblies 360553 and 360449 with yellow endshield assemblies 368388 and 368395.	ECN 64268
14 Draper, page 29	Added FD261 parts.	Technical Publications
16 Draper – Backsheet Panels (FD230, FD235, FD240, and FD241), page 33	Replaced hex nut 135337 and M8 torx screw 320190 with hex nut 152863 and 320536.	ECN 64607
17 Draper – Backsheet Panels (FD245 and FD250), page 35	Replaced nut 135337 and screw 320190 with nut 152863 and screw 320536; added nut 135337 for retainer plate 319404 and guide plate 319403. Updated illustration from 1039455 to 1045045 to show changes.	ECN 64607
18 Draper – Backsheet Panels (FD261), page 37	Added new topic with new illustration 1044199.	Technical Publications
19 Draper – Tensioner, page 39	Replaced bearing 132607 with bearing 337284 in draper roller pin assembly 165735; updated parts list and footnote.	ECN 65197
20 Draper – Drive Roller, page 41	Replaced bearing 132607 with bearing 337284 in draper roller pin assembly 165735; updated parts list and footnote.	ECN 65197
24 Draper – Decks and Tracks (FD261), page 49	Added new topic with new illustration 1044258.	Technical Publications
28 Draper – Seals (FD261), page 57	Added new topic with new illustration 1044250.	Technical Publications
30 Balance Linkage (FD225, FD230, FD235, FD240, FD241, FD245, and FD250), page 61	Added new LH bellcrank 340835 for FD235; added “RH” to the description of bellcrank 258849 and made it a quantity of 1.	ECN 62056
	Revised title.	Technical Publications
	Replaced hex nut 258758 and cotter pin 18604 with M10 hex nut 30505 and M10 lock nut 320206. Updated illustration from 1042371 to 1044962.	ECN 64608
	Removed bellcrank – RH 45 ft. sub assembly 258969 and revised description of 258963 from bellcrank – LH 45 ft. sub assembly to bellcrank – 45 ft. sub assembly.	ECN 65013

Section	Summary of Change	Internal Use Only
31 Balance Linkage (FD261), page 67	Added new topic with new illustration 1044380.	ECN 64562 Technical Publications
	Replaced hex nut 258758 and cotter pin 18604 with M10 hex nut 30505 and M10 lock nut 320206. Updated illustration from 1044380 to 1044963.	ECN 64608
36 Flex Linkage Shield – Triple Reel (FD261), page 79	Added new topic with new illustration 1044261.	Technical Publications
39 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (FD261), page 85	Added new topic with new illustration 1044295.	Technical Publications
42 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (FD261), page 91	Added new topic with new illustration 1044296.	Technical Publications
49 Knives – Double-Knife Headers (FD261), page 117	Added new topic with new illustration 1044404.	Technical Publications
53 Reel Support Arm and Lift Cylinders – Center Arm, Right Side (FD240, FD245, FD250, and FD261), page 127	Added FD261.	Technical Publications
54 Reel Support Arm and Lift Cylinders – Center Arm, Left Side (FD240, FD245, FD250, and FD261), page 129	Added FD261.	Technical Publications
56 Reel Support Arm and Lift Cylinders – Outer Arms, Double and Triple Reel, page 133	Reversed orientation of bolt A, washers B, and nut C. Updated illustration from 1031377 to 1044814 to show changes.	ECN 65424
57 Reel Arm Components – Right Arm, Single Reel (FD225), page 135	Replaced cotter pin 18607 with cotter pin 18648.	ECN 65633
58 Reel Arm Components – Right Arm, Double Reel (FD230, FD235, FD240, and FD241), page 137	Replaced cotter pin 18607 with cotter pin 18648.	ECN 65633
59 Reel Arm Components – Right Arm, Triple Reel (FD240, FD245, FD250, and FD261), page 139	Added FD261.	Technical Publications
	Replaced cotter pin 18607 with cotter pin 18648.	ECN 65633
60 Reel Arm Components – Center Arm (FD230, FD235, FD240, FD241, FD245, FD250, and FD261), page 141	Added FD261.	Technical Publications
	Replaced cotter pin 18607 with cotter pin 18648.	ECN 65633
61 Reel Arm Components – Center Right Arm, Triple Reel (FD240, FD245, FD250, and FD261), page 143	Added FD261.	Technical Publications
	Replaced cotter pin 18607 with cotter pin 18648.	ECN 65633

Section	Summary of Change	Internal Use Only
62 Reel Arm Components – Left Arm (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261), page 145	Added FD261.	Technical Publications
	Replaced cotter pin 18607 with cotter pin 18648.	ECN 65633
63 Reel – Drive, Right Arm, Single Reel, page 147	Added shims 245199 and 137753; added footnotes to shims 164061, 245199, and 137753 for clarity. Updated illustration from 1039676 to 1045094 to show changes.	ECN 65746
64 Reel – Drive, Center Arm, Double and Triple Reel, page 151	Added footnotes with cross-references to optional two-speed reel drive kit.	Technical Publications
	Added shims 245199 and 137753; added footnotes to shims 164061, 245199, and 137753 for clarity. Updated illustration from 1036410 to 1045063 to show changes.	ECN 65746
66 Reel – Cam Components, Center Right Arm, Triple Reel (FD240, FD245, FD250, and FD261), page 157	Added FD261.	Technical Publications
	Replaced 20 mm bolt 136324 with 25 mm bolt 135301.	ECN 65667
67 Reel – Tine Tube, page 159	Superseded cam end finger 311327 with cam end finger 368766.	ECN 64916
	Superseded tine tube – 25 ft. SR narrow 360201 with tine tube – 25 ft. SR narrow 378654.	ECN 65395
	Added FD261 parts.	Technical Publications
	Added callout to distinguish narrow tine tube from wide tine tube. Updated illustrations to show changes from 1039687 to 1045096. Added note.	Parts
68 Reel Discs – Cam End and Linkage (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261), page 163	Added FD261.	Technical Publications
69 Reel Discs – Mid Span, Cam Side (FD225, FD235, FD240, FD241, FD245, FD250, and FD261), page 165	Added FD261.	Technical Publications
70 Reel Discs – Mid Span, Tail Side (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261), page 167	Added FD261.	Technical Publications
71 Reel Discs – Tail End (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261), page 169	Added FD261.	Technical Publications
74 Reel – Center Tubes, Triple Reel, page 175	Added FD261.	Technical Publications
81 Hydraulics – Manifold Plugs, page 189	Updated descriptions of plugs throughout for clarity.	Technical Publications
	Added footnote to plug 158174 to clarify quantity and location of third plug 158174 for double-knife manifold 283502; added an additional item reference for third plug 158174 for clarity. Updated illustration from 1040704 to 1044863 to show changes.	Product Support

Section	Summary of Change	Internal Use Only
84 Hydraulics – Knife Drive, Double Knife, Left Side (FD261), page 197	Added new topic with new illustration 1044491.	Technical Publications
87 Hydraulics – Knife Drive, Double Knife, Right Side (FD261), page 207	Added new topic with new illustration 1044615.	Technical Publications
90 Hydraulics – Draper Drive (FD261), page 213	Added new topic with new illustration 1044653.	Technical Publications
93 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (FD230, FD235, FD240, and FD241), page 219	Replaced one fitting 135778 with tee fitting 320554, test coupling 134437, and dust cap 136900 at the outer arm lift cylinder. Updated illustration from 1031806 to 1044995 to show changes.	ECN 65213
95 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (FD230 and FD235), page 225	Replaced one fitting 135778 with tee fitting 320554, test coupling 134437, and dust cap 136900 at the outer arm lift cylinder. Updated illustration from 1031808 to 1044996 to show changes.	ECN 65213
96 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (FD240 and FD241), page 229	Replaced one fitting 135778 with tee fitting 320554, test coupling 134437, and dust cap 136900 at the outer arm lift cylinder. Updated illustration from 1031849 to 1044998 to show changes.	ECN 65213
97 Hydraulics – Lift and Fore-Aft, Triple Reel, Left Arm (FD240, FD245, FD250, and FD261), page 233	Replaced one fitting 135778 with tee fitting 320554, test coupling 134437, and dust cap 136900 at the outer arm lift cylinder. Updated illustration from 1031853 to 1045000 to show changes.	ECN 65213
	Added FD261 and added footnotes.	Technical Publications
98 Hydraulics – Lift and Fore-Aft, Triple Reel, Center Arm, Left Side (FD240, FD245, FD250, and FD261), page 237	Added FD261.	Technical Publications
99 Hydraulics – Lift and Fore-Aft, Triple Reel, Center Arm, Right Side (FD240, FD245, FD250, and FD261), page 239	Added FD261 and added footnotes.	Technical Publications
100 Hydraulics – Lift and Fore-Aft, Triple Reel, Right Arm (FD240, FD245, FD250, and FD261), page 241	Replaced one fitting 135778 with tee fitting 320554, test coupling 134437, and dust cap 136900 at the outer arm lift cylinder. Updated illustration from 1031855 to 1045005 to show changes.	ECN 65213
	Added FD261 and added footnotes.	Technical Publications
101 Hydraulics – Upper Cross Auger (FD225, FD230, FD235, FD240, FD241, FD245, and FD250), page 245	Added model names to topic title.	Technical Publications
102 Hydraulics – Upper Cross Auger (FD261), page 247	Added new topic with new illustration 1044621.	Technical Publications
103 Hydraulics – Reel Drive, Single Reel, page 249	Superseded hydraulic line 323348 with hydraulic line 368782.	ECN 64643
104 Hydraulics – Reel Drive, Double and Triple Reel, page 251	Added FD261.	Technical Publications

Section	Summary of Change	Internal Use Only
108 Hydraulics – ContourMax™, Contour Wheels (FD261), page 263	Added new topic with new illustration 1044622.	Technical Publications
111 Hydraulics – VertiBlade™ Vertical Knife (FD261), page 271	Added new topic with new illustration 1044624.	Technical Publications
114 Hydraulic Line Covers (FD241, FD245, and FD250), page 277	Revised/added hydraulic cover quantities for one-piece frame and split-frame.	Technical Publications
115 Hydraulic Line Covers (FD261), page 279	Added new topic with new illustration 1044655.	Technical Publications
118 Electrical – Harness (FD261), page 285	Added new topic with new illustration 1044638.	Technical Publications
120 Electrical – Reel Height Sensor (2024 and Prior), page 289	Renamed section for model year 2024 and prior. Float sensor arm 251879 made service only; arm 251879 and sensor 248643 have been replaced for model year 2025 and later. Added serial number breaks for clarity.	ECN 65242
121 Electrical – Reel Height Sensor (2025 and Later), page 291	Added new section for model year 2025 and later reel height sensor design with new illustration 1044869.	ECN 65242
124 Electrical – Reel Speed Sensor, AGCO and CLAAS, page 297	Superseded reel speed sensor support 328662 with sensor support 378578, added screw 50154. Updated illustration from 1034891 to 1044803 to show changes.	ECN 65347
125 Electrical – Reel Speed Sensor, John Deere, page 299	Superseded reel speed sensor support 328662 with sensor support 378578; added screw 50154. Updated illustration from 1034892 to 1044808 to show changes.	ECN 65347
	Added John Deere S7 Series combines to the footnote on 13-tooth Reel Speed Sensor kit B7065.	ECN 65584
126 Electrical – Reel Speed Sensor, Rostselmash, page 301	Superseded reel speed sensor support 328662 with sensor support 378578, added screw 50154. Updated illustration from 1039514 to 1044810 to show changes.	ECN 65347
128 Decals – Product Identification, page 305	Added FD261. Updated illustration from 1039290 to 1044946 to show changes.	Technical Publications
129 Decals – Product Identification, Case IH, page 307	Added FD261. Updated illustration from 1042595 to 1044953 to show changes.	Technical Publications
	Corrected footnote for FD245 decal 368408.	Technical Publications
130 Decals – Product Identification, New Holland, page 311	Added FD261. Updated illustration from 1042596 to 1044955 to show changes.	Technical Publications
136 (Option) ContourMax™ – Outer Contour Wheels, page 323	LH outer mount 360875 and RH outer mount 360987 superseded by 319881 and 319882.	ECN 65082
139 (Option) ContourMax™ – Height Sensing – Case IH, New Holland, and John Deere X9 Series and S7 Series, page 333	Revised topic title to include John Deere S7 Series. Updated combine model compatibility note.	ECN 65584 Engineering
	Added footnote to extension harness 323694, and added extension harness 378774 for FD261.	ECN 65509

Section	Summary of Change	Internal Use Only
142 (Option) EasyMove™ Slow Speed Transport – Base Kit and Stabilizer Wheels, page 341	Superseded pivot assembly 303283 with pivot assembly 327814.	ECN 64026
143 (Option) EasyMove™ Slow Speed Transport – Wheels, Tires, and Tow Poles, page 347	Added short tow pole collector C2172.	Engineering
	Added medium tow pole bundle B7548 and collector C2260 for FD235 headers. Added medium hitch tube 327824 and medium support channel 327823 to the parts list. Revised footnotes throughout for clarity.	ECN 64895
	Added note that this kit is not compatible with FD225 or FD261 headers.	Technical Publications
149 (Option) Header Frame – Brace Tube Kits, page 363	Revised topic title.	Technical Publications
150 (Option) Header Frame – Knife Drive Box Mount and Cutterbar Repair Kits, page 365	Added new topic with new illustration 1044979.	ECN 64926
151 (Option) Header Tilt Foot Switch, page 367	Updated combine model compatibility in the footnote.	ECN 64693
	Updated description of 314581 from harness – foot pedal to foot pedal with harness.	Parts
154 (Option) Reel Tine Tube Conversion Kits – Double Reel, 5 Bat to 6 Bat, page 373	Superseded cam end finger 311327 with cam end finger 368766.	ECN 64916
155 (Option) Reel Tine Tube Conversion Kits – Double Reel, 6 Bat to 9 Bat, page 377	Superseded cam end finger 311327 with cam end finger 368766.	ECN 64916
156 (Option) Reel – Drive, Two Speed Kit, page 381	Updated title. Replaced the part numbers for 52-tooth sprocket (item #2) and sprocket tool (item #3) with NSS; these parts are not serviced separately. Updated the footnote on 2-Speed kit 311882.	Technical Publications
	Added footnotes regarding combine compatibility to sprockets 273451, 273452, and 273453.	Product Support
	Added John Deere X9 and S7 combines to the list of compatible combines for sprocket 273453.	ECN 65584 Engineering
158 (Option) Rock Retarder Kit, page 385	Added footnote about FD261 Headers.	Technical Publications
164 (Option) Stabilizer Wheels, page 399	Added note about FD261 Headers.	Technical Publications
167 (Option) Stubble Lights, page 407	Superseded bundle B7027 with bundle B7575. Superseded lights 258458 with lights 378136.	ECN 65052 Engineering
	Updated combine model compatibility in the note.	ECN 64693 ECN 65584 Engineering
173 (Option) Upper Cross Auger – Two-Piece Auger (FD225, FD230, FD235, and FD241), page 421	Superseded shield assemblies 233724 and 233725 with shield assemblies 378285 and 378286. Updated illustration from 1033023 to 1044794 to show changes.	ECN 65168
174 (Option) Upper Cross Auger – Three-Piece Auger (FD240, FD245, and FD250), page 425	Superseded shield assemblies 233724 and 233725 with shield assemblies 378285 and 378286. Updated illustration from 1042275 to 1044795 to show changes.	ECN 65168

Section	Summary of Change	Internal Use Only
175 (Option) Upper Cross Auger – Three-Piece Auger (FD261), page 429	Added new topic with new illustration 1044693.	Technical Publications
176 (Option) VertiBlade™ Vertical Knife Kit, page 433	Superseded motor 304611 with motor 378191; updated footnotes throughout.	ECN 65112
178 Frame Components – Float Module, page 441	Added note about oil filler cap 133942.	Technical Publications
183 Pump Assembly (Modular Hydraulic System), page 453	Added knife drive pump 368777, draper pump 311466, coupler 295139, and O-ring 294832. Updated illustration from 1043923 to 1044815.	ECN 65427
185 Gearbox Assembly, page 459	Updated part descriptions for ball bearings 322192, 322193, and 322197.	ECN 63143
	Superseded main gearbox gasket 347410 with gasket 378075.	ECN 65063
	Superseded main drive gearbox 308725 with main drive gearbox 368761; removed unnecessary footnotes.	ECN 65591
	Added missing part and callout. Updated illustration from 1043556 to 1045014 to show changes.	Product Support
188 Input Driveline and Support – High Angle, page 469	Updated drawing from 1038710 to 1044985 to show the correct parts callout.	Parts
	Added description to driveline shafts.	Product Support
190 Auger Drum and Internal Components, page 475	Superseded feed auger assembly 322372 with feed auger assembly 378551.	ECN 65253
192 Auger Assembly – Left Arm, page 481	Superseded access panel 213110, cover retainer 213112, and LH auger covers 301992 and 301993 with feed auger drive cover kit 378538 for units made in model year 2024 and prior; added new access panel 368637, cover retainer 368649, and drive cover assemblies 368657 and 368658. Updated illustration from 1034840 to 1044884 to show changes.	ECN 65253
198 Float Linkage and Float Setting and Measuring, page 495	Superseded FSM lever 360756 with FSM lever 378124, reversed orientation of bolts 184664 and nuts 135799 on pawl 360971 and lever 378124. Updated illustration from 1041641 to 1044789 to show changes.	ECN 65031
200 Float Springs, page 501	Added FD261 to the footnote.	Technical Publications
201 Float Module Attaching and Filler Components – FM200 to FD2 Series (2021 and Prior), page 503	Bolt 184657 superseded by 136640. Nut 252807 superseded by 135799. Updated illustration from 1036677 to 1044809 to show changes.	Product Support ECN 64975
202 Float Module Attaching and Filler Components – FM200 to FD2 Series (2022 and Later), page 507	Bolt 184657 superseded by 136640. Nut 252807 superseded by 135799. Updated illustration from 1038297 to 1044817 to show changes.	Product Support ECN 64975
210 Hydraulics – Feed Deck (Modular Hydraulic System), page 527	Corrected part number from 369679 to 368679.	Product Support

Section	Summary of Change	Internal Use Only
212 Hydraulics – Drives and Float Module Manifold (Modular Hydraulic System), page 533	Removed oil drain spout flange 213743 and bolts 136561. Updated illustration from 1044000 to 1044834 to show changes.	ECN 65502
	Replaced manifold drive assembly 287771 with manifold drive assembly 378873.	ECN 65576
213 Hydraulics – Drive Manifold Assembly, Service Parts (Modular Hydraulic System), page 537	Replaced manifold drive assembly 287771 with manifold drive assembly 378873. Updated illustration from 1044011 to 1045018 to show changes.	ECN 65576
214 Hydraulics – Double Reel, Float Module to Header Manifold (Integrated Hydraulic System), page 539	Replaced hose holder 335887 with hose holder 378525 for units with newer float modules; 335887 made service only for units with older float modules. Added bolt 135783 and nut 135799. Updated illustration from 1038786 to 1044825 to show changes.	ECN 65352 ECN 65498
215 Hydraulics – Triple Reel, Float Module to Header Manifold (Integrated Hydraulic System), page 541	Replaced hose support 314697 with hose support 368569 for units with newer float modules; 314697 made service only for units with older float modules. Added bolt 135783 and nut 135799. Updated illustration from 1032800 to 1044826 to show changes.	ECN 65352 ECN 65498
216 Hydraulics – Double Reel, Float Module to Header Manifold (Modular Hydraulic System), page 545	Replaced hose holder 335887 with hose holder 378525 for units with newer float modules; 335887 made service only for units with older float modules. Added bolt 135783 and nut 135799. Updated illustration from 1043944 to 1044830 to show changes.	ECN 65352 ECN 65498
217 Hydraulics – Triple Reel, Float Module to Header Manifold (Modular Hydraulic System), page 547	Replaced hose support 314697 with hose support 368569 for units with newer float modules; 314697 made service only for units with older float modules. Added bolt 135783 and nut 135799. Updated illustration from 1043945 to 1044831 to show changes.	ECN 65352 ECN 65498
220 Electrical – FM200 to Combine Cab, page 555	Added In-Cab Controls Extension Harness bundle B7602 and In-Cab Controls Extension Harness bag assembly (NSS) to the parts list. Added footnotes for clarity.	ECN 65430
	Added support 304111, bolt 197171, and nut 135337 to John Deere CBN control bag assembly 337619, updated and added footnotes for clarity. Updated illustration from 1041865 to 1044819 to show changes.	ECN 65495
	Added John Deere In–Cab Completion Kit 335695. Updated illustration from 1044819 to 1044913 to show changes.	Product Support
223 Challenger®, Massey Ferguson®, and Gleaner® – Hydraulic/Electrical Completion, page 565	Updated the footnote on cab adapter harness and valve driver module references (item #31) for clarity. The cab adapter harness and valve driver module are no longer included in the completion package.	ECN 65575
	Superseded AGCO completion harness 322386 with harness 323986.	ECN 64464
	Added snap ring 135267 (to secure harness 323986 to multicoupler 279737). Updated illustration from 1041690 to 1045046 to show changes.	ECN 65722

Section	Summary of Change	Internal Use Only
224 IDEAL™ Series – Float Module Completion, page 569	Superseded bundle B7107 with B7491. Superseded IDEAL transition frame assembly 314678 with 357695. Superseded hook 301451 with service kit 284871 for model year 2023 and prior units; added new hook 347611 for model year 2024 and later units. Added anchor 347434. Added new fillers 357697 and 357698, which are superseded with fillers 284866 and 284887. Added clevis pin 18626, bolt 152274, bolt 184667, bolt 184662, bolt 135785, and nut 136431. Added footnotes throughout for clarity. Updated illustration from 1034854 to 1044956 to show changes.	ECN 63620 ECN 64343
225 IDEAL™ Series – Hydraulic/ Electrical Completion, page 573	Updated the footnote on cab adapter harness and valve driver module references (item #27) for clarity. The cab adapter harness and valve driver module are no longer included in the completion package.	ECN 65575
	Superseded multicoupler mount assembly 337981 with assembly 378733, revised orientation of washers 184711 and 30632. Updated illustration from 1041691 to 1044934 to show changes.	ECN 65594
228 Case IH – Hydraulic/ Electrical Completion, page 581	Updated illustration from to 1043611 to 1044837 to show updates to transistor plug 349362.	ECN 65207
	Superseded SW power plug 349362 with 500619. Added a footnote to transistor plug 349362 regarding required adapter harness 378100 for model year 2024 units.	ECN 65008 ECN 65322
	Added diode pack module 283215 and mini relay 134916 as subcomponents of the integration completion harness.	Product Support
230 Case IH 2300/2500 Series – Hydraulic/Electrical Completion, page 587	Updated the footnote on cab adapter harness and valve driver module references (item #21) for clarity. The cab adapter harness and valve driver module are no longer included in the completion package.	ECN 65575
231 CLAAS – Float Module Completion, page 591	Superseded CLAAS Transition Frame kit B7045 with B7563. Superseded transition frame 347077 with transition frame 368543.	ECN 65022
232 CLAAS – Hydraulic/Electrical Completion (2022 and Prior), page 593	Moved service parts for CLAAS selector valve 328548 into a separate section and added a footnote.	Product Support
	Superseded hydraulic hose 314821 with hydraulic hose 314820; made hose 314820 a quantity of 2. Updated illustration from 1039482 to 1045061 to show revised callouts.	ECN 65510
233 CLAAS – Hydraulic Completion (2023 and Later), page 597	Moved service parts for CLAAS selector valve 328548 into a separate section and added a footnote.	Product Support
	Superseded hydraulic hose 314821 with hydraulic hose 314820; made hose 314820 a quantity of 2. Updated illustration from 1039495 to 1045062 to show revised callouts.	ECN 65510
234 CLAAS – Electrical Completion (2023 and Later), page 599	Superseded Electrical Completion kit B7405 with B7540 and added cab control kit 328549. Updated footnotes for clarity. Updated illustration from 1041695 to 1044848 to show changes.	ECN 64693
235 CLAAS – Selector Valve, Service Parts, page 603	Added new section for CLAAS selector valve 328548 service parts with new illustration 1044855.	Product Support
237 John Deere S and S7 Series – Float Module Completion, page 607	Updated chapter title to reference John Deere S7 Series combines.	ECN 65584

Section	Summary of Change	Internal Use Only
238 John Deere S and T Series – Hydraulic/Electrical Completion, page 609	Updated footnote on cab adapter harness reference (item #31) for clarity. The cab adapter harness and valve driver module are no longer included in the completion package.	ECN 65575
240 John Deere X9 Series – Float Module Completion, page 615	Corrected part number 368826 to 368626.	Parts
241 John Deere X9 Series – Hydraulic Completion (2024 and Prior), page 617	Superseded X9 Hyd/Elec Completion kit B7323 with B7546, added X9 Reel Reverse kit B7543 for model year 2024 and prior units. Added "2024 and Prior" to the chapter title and added a new chapter for model year 2025 and later. Added notes, footnotes, and serial number breaks throughout for clarity.	ECN 64758
242 John Deere X9 and S7 Series – Hydraulic Completion (2025 and Later), page 621	Added new section for model year 2025 and later with new illustration 1044928.	ECN 64758 ECN 64937
	Updated chapter title to reference John Deere S7 Series combines.	ECN 65584
243 John Deere X9 and S7 Series – Selector Manifold, Service Parts, page 625	Added new section for John Deere selector valve 284882 service parts with new illustration 1044929.	ECN 64758 ECN 65584
	Removed one seal kit 129711 from footnote.	Parts
244 John Deere X9 and S7 Series – Electrical Completion, page 627	X9 control module 500518 made service code 5, now serviced by kit 323978.	ECN 64318
	Superseded X9 Hyd/Elec Completion kit B7323 with B7546, added X9 Reel Reverse kit B7543 for model year 2023 and prior units. Added cable tie 30753. Added reel reverse adapter/extension harness 368922. Added footnotes throughout for clarity. Updated illustration from 1041732 to 1044900 to show changes.	ECN 64758 ECN 64937
	Updated chapter title to reference John Deere S7 Series combines.	ECN 65584
	Added ID plug 261575.	ECN 65151
246 New Holland CR/CX – Hydraulic/Electrical Completion, page 631	Updated illustration from 1044023 to 1044838 to show updates to transistor plug 349362.	ECN 65207
	Superseded SW power plug 349362 with 500619. Added a footnote to transistor plug 349362 regarding required adapter harness 378100 for model year 2024 units.	ECN 65008 ECN 65322
	Added diode pack module 283215 and mini relay 134916 as subcomponents of the integration completion harness.	Product Support
252 Rostselmash – Hydraulic/ Electrical Completion, page 645	Updated the footnote on cab adapter harness and valve driver module references (item #21) for clarity. The cab adapter harness and valve driver module are no longer included in the completion package.	ECN 65575
254 (Option) Extended Center Filler, page 651	Added new topic and new illustration 1040694.	Product Support
259 (Option) Module Programming Kit, page 661	Revised notes and footnotes clarifying that the Module Programming kit is for Dealer use only.	Product Support
Throughout	Revised Case IH and New Holland topic titles for clarity.	Parts
Throughout	Revised notes and footnotes for clarity.	Technical Publications

Introduction i
Abbreviations ii
Serial Number Breaks iii
Summary of Changes – FD2 Series and FM200 (MD #262656 Rev. A) iv

1 Header Frame Components (FD225, FD230, FD235, FD240, FD241, FD245, and FD250) 1
2 Header Frame Components (FD261) 3
3 Header Frame End Panels 5
4 Header Frame – Split Frame Hardware 7
5 Manual Case, Retaining Pin, and Knife Storage (FD225, FD230, FD235, FD240, FD241, FD245, and FD250) 9
6 Manual Case, Retaining Pin, and Knife Storage (FD261) 11
7 Transition Pan 13
8 Divider Cones 15
9 Divider Rods and Storage 17
10 Endshields – MacDon 19
11 Endshields – Case IH 21
12 Endshields – New Holland 23
13 Endshield Mount Components 25
14 Draper 29
15 Draper – Backsheet Panels (FD225) 31
16 Draper – Backsheet Panels (FD230, FD235, FD240, and FD241) 33
17 Draper – Backsheet Panels (FD245 and FD250) 35
18 Draper – Backsheet Panels (FD261) 37
19 Draper – Tensioner 39
20 Draper – Drive Roller 41
21 Draper – Decks and Tracks (FD225) 43
22 Draper – Decks and Tracks (FD230, FD235, FD240, and FD241) 45
23 Draper – Decks and Tracks (FD245 and FD250) 47
24 Draper – Decks and Tracks (FD261) 49
25 Draper – Seals (FD225) 51
26 Draper – Seals (FD230, FD235, and FD240) 53
27 Draper – Seals (FD241, FD245, and FD250) 55
28 Draper – Seals (FD261) 57
29 Draper Deflectors – Narrow 59
30 Balance Linkage (FD225, FD230, FD235, FD240, FD241, FD245, and FD250) 61
31 Balance Linkage (FD261) 67
32 Flex Linkage Shield – Backtube Hinge 71
33 Flex Linkage Shield – Single Reel (FD225) and Double Reel (FD230, FD235, FD240, and FD241) 73
34 Flex Linkage Shield – Triple Reel (FD240) 75
35 Flex Linkage Shield – Triple Reel (FD245 and FD250) 77
36 Flex Linkage Shield – Triple Reel (FD261) 79
37 Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, Pointed (FD225, FD230, FD235, and FD240) 81
38 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (FD235, FD240, FD241, FD245, and FD250) 83
39 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (FD261) 85

40 Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, PlugFree™ (FD225, FD230, FD235, and FD240) 87
41 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (FD240, FD241, FD245, and FD250)..... 89
42 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (FD261)..... 91
43 Knives – Single-Knife Headers (FD225) 93
44 Knives – Single-Knife Headers (FD230, FD235, and FD240) 95
45 Knives – Double-Knife Headers (FD235 and FD240)..... 99
46 Knives – Double-Knife Headers (FD241) 105
47 Knives – Double-Knife Headers (FD245) 109
48 Knives – Double-Knife Headers (FD250) 113
49 Knives – Double-Knife Headers (FD261) 117
50 Knife Drive – Single and Double Knife 121
51 Knife Drive Box 123
52 Reel Support Arm and Lift Cylinders – Center Arm (FD230, FD235, FD240, and FD241)..... 125
53 Reel Support Arm and Lift Cylinders – Center Arm, Right Side (FD240, FD245, FD250, and FD261) 127
54 Reel Support Arm and Lift Cylinders – Center Arm, Left Side (FD240, FD245, FD250, and FD261) 129
55 Reel Support Arm and Lift Cylinders – Outer Arms, Single Reel..... 131
56 Reel Support Arm and Lift Cylinders – Outer Arms, Double and Triple Reel 133
57 Reel Arm Components – Right Arm, Single Reel (FD225)..... 135
58 Reel Arm Components – Right Arm, Double Reel (FD230, FD235, FD240, and FD241)..... 137
59 Reel Arm Components – Right Arm, Triple Reel (FD240, FD245, FD250, and FD261)..... 139
60 Reel Arm Components – Center Arm (FD230, FD235, FD240, FD241, FD245, FD250, and FD261) 141
61 Reel Arm Components – Center Right Arm, Triple Reel (FD240, FD245, FD250, and FD261)..... 143
62 Reel Arm Components – Left Arm (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)..... 145
63 Reel – Drive, Right Arm, Single Reel..... 147
64 Reel – Drive, Center Arm, Double and Triple Reel 151
65 Reel – Cam Components, Right Arm 155
66 Reel – Cam Components, Center Right Arm, Triple Reel (FD240, FD245, FD250, and FD261)..... 157
67 Reel – Tine Tube..... 159
68 Reel Discs – Cam End and Linkage (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)..... 163
69 Reel Discs – Mid Span, Cam Side (FD225, FD235, FD240, FD241, FD245, FD250, and FD261)..... 165
70 Reel Discs – Mid Span, Tail Side (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)..... 167
71 Reel Discs – Tail End (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261) 169
72 Reel – Center Tubes, Single Reel 171
73 Reel – Center Tubes, Double Reel..... 173
74 Reel – Center Tubes, Triple Reel..... 175
75 Reel – Endshields, Cam End, Inboard 177
76 Reel – Endshields, Cam End, Outboard..... 179
77 Reel – Endshields, Tail End, Inboard..... 181
78 Reel – Endshields, Tail End, Outboard 183
79 Skid Shoes – End and Center 185
80 Hydraulics – Manifold Fittings and Fasteners 187
81 Hydraulics – Manifold Plugs 189

82 Hydraulics – Knife Drive, Single and Double Knife, Left Side (FD225, FD230, FD235, FD240, FD241, and FD245) 191
83 Hydraulics – Knife Drive, Double Knife, Left Side (FD250) 195
84 Hydraulics – Knife Drive, Double Knife, Left Side (FD261) 197
85 Hydraulics – Knife Drive, Double Knife, Right Side (FD235, FD240, and FD241) 199
86 Hydraulics – Knife Drive, Double Knife, Right Side (FD245 and FD250) 203
87 Hydraulics – Knife Drive, Double Knife, Right Side (FD261) 207
88 Hydraulics – Draper Drive (FD225, FD230, FD235, FD240, and FD241) 209
89 Hydraulics – Draper Drive (FD245 and FD250) 211
90 Hydraulics – Draper Drive (FD261) 213
91 Hydraulics – Lift and Fore-Aft, Single Reel, Left Arm (FD225) 215
92 Hydraulics – Lift and Fore-Aft, Single Reel, Right Arm (FD225) 217
93 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (FD230, FD235, FD240, and FD241) 219
94 Hydraulics – Lift and Fore-Aft, Double Reel, Center Arm (FD230, FD235, FD240, and FD241) 223
95 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (FD230 and FD235) 225
96 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (FD240 and FD241) 229
97 Hydraulics – Lift and Fore-Aft, Triple Reel, Left Arm (FD240, FD245, FD250, and FD261) 233
98 Hydraulics – Lift and Fore-Aft, Triple Reel, Center Arm, Left Side (FD240, FD245, FD250, and FD261) 237
99 Hydraulics – Lift and Fore-Aft, Triple Reel, Center Arm, Right Side (FD240, FD245, FD250, and FD261) 239
100 Hydraulics – Lift and Fore-Aft, Triple Reel, Right Arm (FD240, FD245, FD250, and FD261) 241
101 Hydraulics – Upper Cross Auger (FD225, FD230, FD235, FD240, FD241, FD245, and FD250) 245
102 Hydraulics – Upper Cross Auger (FD261) 247
103 Hydraulics – Reel Drive, Single Reel 249
104 Hydraulics – Reel Drive, Double and Triple Reel 251
105 Hydraulics – ContourMax™, Contour Wheels (FD225 and FD230) 253
106 Hydraulics – ContourMax™, Contour Wheels (FD235) 257
107 Hydraulics – ContourMax™, Contour Wheels (FD240, FD241, FD245, and FD250) 259
108 Hydraulics – ContourMax™, Contour Wheels (FD261) 263
109 Hydraulics – VertiBlade™ Vertical Knife (FD225, FD230, FD235, FD241, and FD245) 265
110 Hydraulics – VertiBlade™ Vertical Knife (FD250) 269
111 Hydraulics – VertiBlade™ Vertical Knife (FD261) 271
112 Hydraulic Line Covers (FD225) 273
113 Hydraulic Line Covers (FD230, FD235, and FD240) 275
114 Hydraulic Line Covers (FD241, FD245, and FD250) 277
115 Hydraulic Line Covers (FD261) 279
116 Electrical – Harness (FD225) 281
117 Electrical – Harness (FD230, FD235, FD240, FD241, FD245, and FD250) 283
118 Electrical – Harness (FD261) 285
119 Electrical – Clearance Lights 287
120 Electrical – Reel Height Sensor (2024 and Prior) 289
121 Electrical – Reel Height Sensor (2025 and Later) 291
122 Electrical – Reel Fore-Aft Sensor (2023 and Prior) 293
123 Electrical – Reel Fore-Aft Sensor (2024 and Later) 295

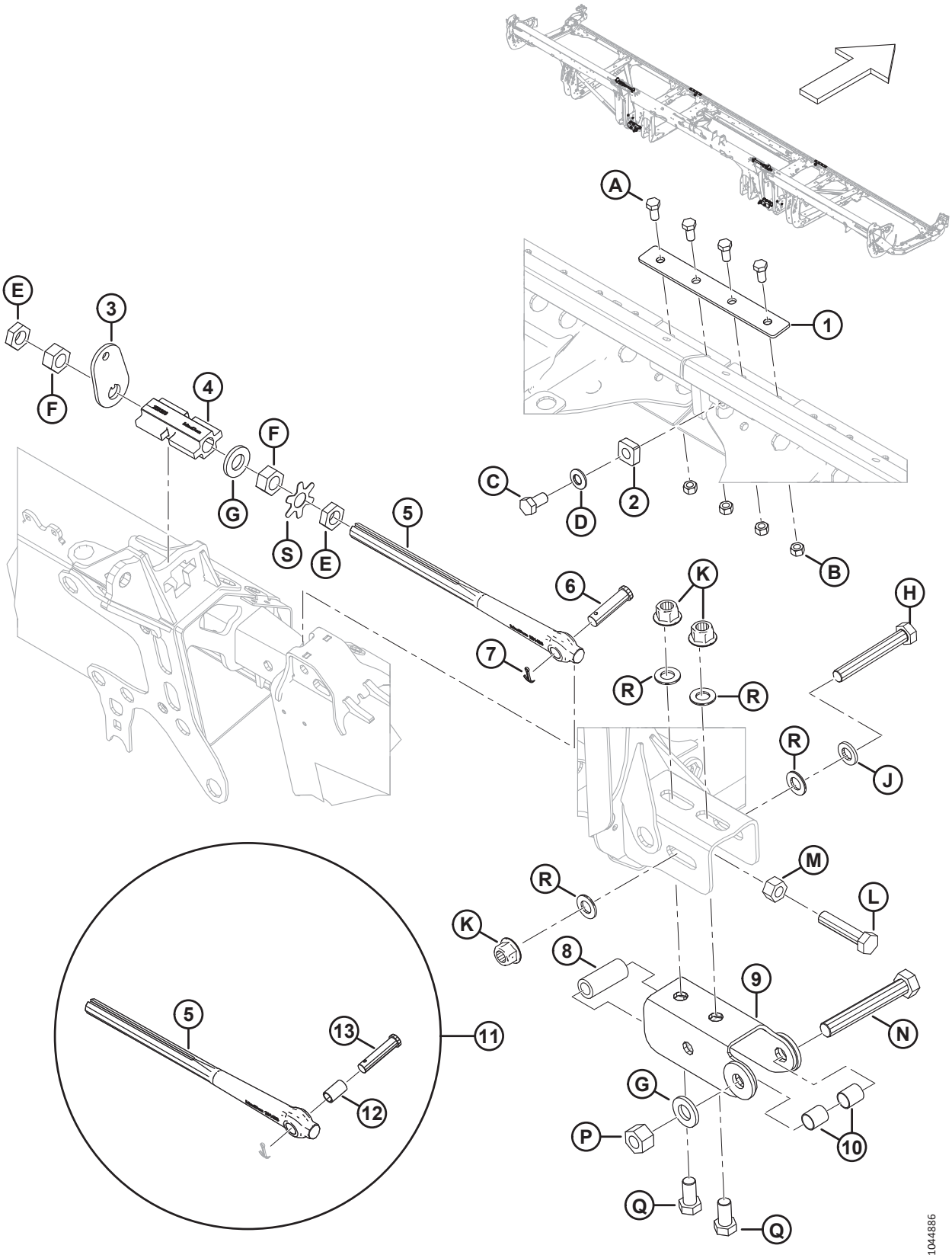
124 Electrical – Reel Speed Sensor, AGCO and CLAAS 297
125 Electrical – Reel Speed Sensor, John Deere 299
126 Electrical – Reel Speed Sensor, Rostselmash 301
127 Decals and Reflectors – FD2 Series 303
128 Decals – Product Identification 305
129 Decals – Product Identification, Case IH 307
130 Decals – Product Identification, New Holland 311
131 Decals – French 313
132 Decals – Portuguese 315
133 Decals – Russian 317
134 Decals – Spanish 319
135 Paint 321
136 (Option) ContourMax™ – Outer Contour Wheels 323
137 (Option) ContourMax™ – Inner Contour Wheels 327
138 (Option) ContourMax™ – Gauge Service Kit 331
139 (Option) ContourMax™ – Height Sensing – Case IH, New Holland, and John Deere X9 Series and S7 Series 333
140 (Option) Crop Lifters and Storage Rack 337
141 (Option) Divider Storage Bracket 339
142 (Option) EasyMove™ Slow Speed Transport – Base Kit and Stabilizer Wheels 341
143 (Option) EasyMove™ Slow Speed Transport – Wheels, Tires, and Tow Poles 347
144 (Option) Endshield Conversion Kits 351
145 (Option) Flex Linkage Stop Repair 353
146 (Option) Floating Crop Dividers 355
147 (Option) Four-Point Guard Kits, Single Knife 359
148 (Option) Four-Point Guard Kits, Double Knife 361
149 (Option) Header Frame – Brace Tube Kits 363
150 (Option) Header Frame – Knife Drive Box Mount and Cutterbar Repair Kits 365
151 (Option) Header Tilt Foot Switch 367
152 (Option) High Wear Skid Shoes 369
153 (Option) Lodged Crop Reel Fingers 371
154 (Option) Reel Tine Tube Conversion Kits – Double Reel, 5 Bat to 6 Bat 373
155 (Option) Reel Tine Tube Conversion Kits – Double Reel, 6 Bat to 9 Bat 377
156 (Option) Reel – Drive, Two Speed Kit 381
157 (Option) Rice Divider Rods 383
158 (Option) Rock Retarder Kit 385
159 (Option) Service Kit – Pointed Guards, Coarse Knives 387
160 (Option) Service Kit – PlugFree™ Guards, Coarse Knives 389
161 (Option) Service Kit Plus – Single Knife 391
162 (Option) Service Kit Plus – Double Knife 393
163 (Option) Side Hill Stabilizer Kit 397
164 (Option) Stabilizer Wheels 399
165 (Option) Steel Finger Kit 403

166 (Option) Steel Reel End Finger Kits 405
167 (Option) Stubble Lights 407
168 (Option) Sunflower Attachment – Base Kit – Lean Bar and Deflectors 409
169 (Option) Sunflower Attachment – Base Kit – Pans and Supports 413
170 (Option) Sunflower Attachment – Deflector Kits (Double Reel) 415
171 (Option) Sunflower Attachment – Deflector Kits (Triple Reel) 417
172 (Option) Sunflower Attachment – Pans 419
173 (Option) Upper Cross Auger – Two-Piece Auger (FD225, FD230, FD235, and FD241) 421
174 (Option) Upper Cross Auger – Three-Piece Auger (FD240, FD245, and FD250) 425
175 (Option) Upper Cross Auger – Three-Piece Auger (FD261) 429
176 (Option) VertiBlade™ Vertical Knife Kit 433
177 (Option) VertiBlade™ Vertical Knife Components 437
178 Frame Components – Float Module 441
179 Pump, Gearbox, and Input Drive (Integrated Hydraulic System) 443
180 Pump Assembly (Integrated Hydraulic System) 445
181 Integrated Pump – Service Parts (Integrated Hydraulic System) 447
182 Pump, Gearbox, and Input Drive (Modular Hydraulic System) 451
183 Pump Assembly (Modular Hydraulic System) 453
184 Gearbox Brace (Modular Hydraulic System) 457
185 Gearbox Assembly 459
186 Input Drive Assembly 463
187 Input Driveline and Support 467
188 Input Driveline and Support – High Angle 469
189 Input Driveline Conversion Kits 473
190 Auger Drum and Internal Components 475
191 Auger Assembly – Right Arm 477
192 Auger Assembly – Left Arm 481
193 Auger – Float Linkage 485
194 Auger Completion 487
195 Auger Conversion Kits – Fingers and Flighting 489
196 Auger – Crop Deflector Kits 491
197 Auger – Grease Lines 493
198 Float Linkage and Float Setting and Measuring 495
199 Float Lock Pivot Rework Kit 499
200 Float Springs 501
201 Float Module Attaching and Filler Components – FM200 to FD2 Series (2021 and Prior) 503
202 Float Module Attaching and Filler Components – FM200 to FD2 Series (2022 and Later) 507
203 Feed Deck – Frame, Pivot Pins, and Front Support 509
204 Feed Deck – Draper 511
205 Feed Deck – Drive/Idler Roller and Tensioner 513
206 Feed Deck – Pans and Fillers 517
207 Hydraulics – Center-Link and Header Tilt / Reel Fore-Aft 519
208 Hydraulics – Feed Deck (Integrated Hydraulic System) 523

209 Hydraulics – Suction and Return (Integrated Hydraulic System) 525
210 Hydraulics – Feed Deck (Modular Hydraulic System) 527
211 Hydraulics – Suction and Return (Modular Hydraulic System) 531
212 Hydraulics – Drives and Float Module Manifold (Modular Hydraulic System) 533
213 Hydraulics – Drive Manifold Assembly, Service Parts (Modular Hydraulic System) 537
214 Hydraulics – Double Reel, Float Module to Header Manifold (Integrated Hydraulic System) 539
215 Hydraulics – Triple Reel, Float Module to Header Manifold (Integrated Hydraulic System) 541
216 Hydraulics – Double Reel, Float Module to Header Manifold (Modular Hydraulic System) 545
217 Hydraulics – Triple Reel, Float Module to Header Manifold (Modular Hydraulic System) 547
218 Electrical – Base (Integrated Hydraulic System) 551
219 Electrical – Base (Modular Hydraulic System) 553
220 Electrical – FM200 to Combine Cab 555
221 Decals and Reflectors – FM200 561
222 Challenger®, Massey Ferguson®, and Gleaner® – Float Module Completion 563
223 Challenger®, Massey Ferguson®, and Gleaner® – Hydraulic/Electrical Completion 565
224 IDEAL™ Series – Float Module Completion 569
225 IDEAL™ Series – Hydraulic/Electrical Completion 573
226 Challenger®, Massey Ferguson®, and IDEAL™ Series – Auger Completion 577
227 Case IH – Float Module Completion 579
228 Case IH – Hydraulic/Electrical Completion 581
229 Case IH 2300/2500 Series – Float Module Completion 585
230 Case IH 2300/2500 Series – Hydraulic/Electrical Completion 587
231 CLAAS – Float Module Completion 591
232 CLAAS – Hydraulic/Electrical Completion (2022 and Prior) 593
233 CLAAS – Hydraulic Completion (2023 and Later) 597
234 CLAAS – Electrical Completion (2023 and Later) 599
235 CLAAS – Selector Valve, Service Parts 603
236 CLAAS – Auger Completion 605
237 John Deere S and S7 Series – Float Module Completion 607
238 John Deere S and T Series – Hydraulic/Electrical Completion 609
239 John Deere T Series – Float Module Completion 613
240 John Deere X9 Series – Float Module Completion 615
241 John Deere X9 Series – Hydraulic Completion (2024 and Prior) 617
242 John Deere X9 and S7 Series – Hydraulic Completion (2025 and Later) 621
243 John Deere X9 and S7 Series – Selector Manifold, Service Parts 625
244 John Deere X9 and S7 Series – Electrical Completion 627
245 New Holland CR/CX – Float Module Completion 629
246 New Holland CR/CX – Hydraulic/Electrical Completion 631
247 New Holland CR/CX – Auger Completion 635
248 New Holland CR/CX – Flighting Completion 637
249 New Holland CR/CX – Deflector Completion 639
250 New Holland 10 Volt Auto Header Height Control Adapter Kit 641
251 Rostselmash – Float Module Completion 643

252 Rostselmash – Hydraulic/Electrical Completion 645
253 (Option) Auger Flighting Kits 649
254 (Option) Extended Center Filler 651
255 (Option) FM200 Full Interface Filler – FD2 Series 653
256 (Option) FM200 Fillers and Links 655
257 (Option) Hillside Extension 657
258 (Option) Integration Kit – CLAAS 659
259 (Option) Module Programming Kit 661
260 (Option) Stripper Bars 663
Index 666

1 Header Frame Components (FD225, FD230, FD235, FD240, FD241, FD245, and FD250)

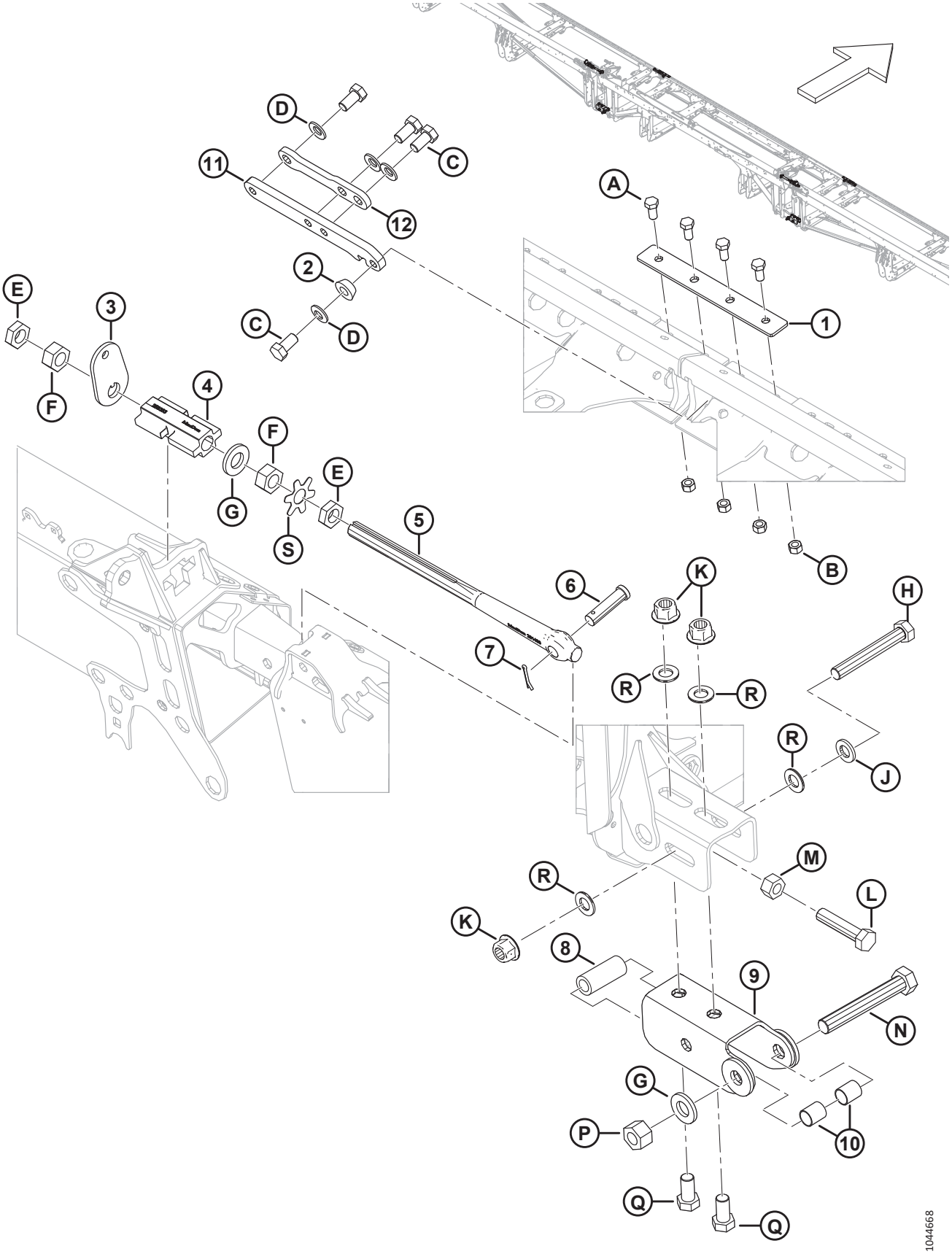


HEADER FRAME COMPONENTS (FD225, FD230, FD235, FD240, FD241, FD245, AND FD250)

Ref	Part Number	Description	Qty	Serial Number
1	288438	BAR	2	
2	266277	STOP – HINGE	2	
3	258835	WASHER – WING LOCK	2	
4	258383	LOCK – MACHINED WING LOCK	2	
5	**261496**	**LINK – LOCK LINK ADJ** [1]	**2**	
6	**30463**	**PIN – CLEVIS, 15 MM X 68 MM OAL**[2]	**2**	
7	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
8	52129	SPACER	2	
9	312704	CHANNEL WELDT	2	
10	258843	BUSHING	4	
11	**378620**	**KIT – LOCK LINK (2024–PRIOR)** [3]	**A/R**	**–521189**
12	**378621**	**SLEEVE – PIN (2024–PRIOR)**	**A/R**	**–521189**
13	**18704**	**PIN – CLEVIS, 15 MM X 68 MM OAL (2024–PRIOR)**	**A/R**	**–521189**
A	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
B	184694	NUT – HEX M12 X 1.75-8-AA1J		
C	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
D	184718	WASHER – CON SPRING M16 STL SAE 1050-1075		
E	136513	NUT – HEX THIN FINE M24 X 1.5-8-AA1J		
F	136512	NUT – HEX FINE M24 X 1.5-8-AA1J		
G	31774	WASHER – FLAT 1-1/8-30HRC-AC0C		
H	136887	BOLT – HEX HD M20 X 2.5 X 140-10.9		
J	21540	WASHER – HARD ASTM F436M20-340HV-AB2C		
K	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		
L	320169	BOLT – HEX HD TFL M20 X 2.5 X 90-8.8-ZINC		
M	136124	NUT – HEX M20 X 2.5-10-AA1J		
N	320171	BOLT – HEX HD M24 X 3 X 160-10.9-ZINC		
P	136848	NUT – HEX TOP LOC M24 X 3-10-AA1J		
Q	252303	BOLT – HEX HD TFL M20 X 2.5 X 40-10.9-A3L		
R	136701	WASHER – NORDLOCK M20		
S	360835	PLATE – WASHER TAB M24 NUT		

1. To service units made in model year 2024 and prior, order lock link kit (MD #378620).
2. For units made in model year 2024 and prior, order 15 mm clevis pin (MD #18704).
3. The Lock link kit (MD #378620) is used to service units made in model year 2024 and prior. The kit includes one lock link (MD #261496), one pin sleeve (MD #378621), and one 15 mm clevis pin (MD #18704).

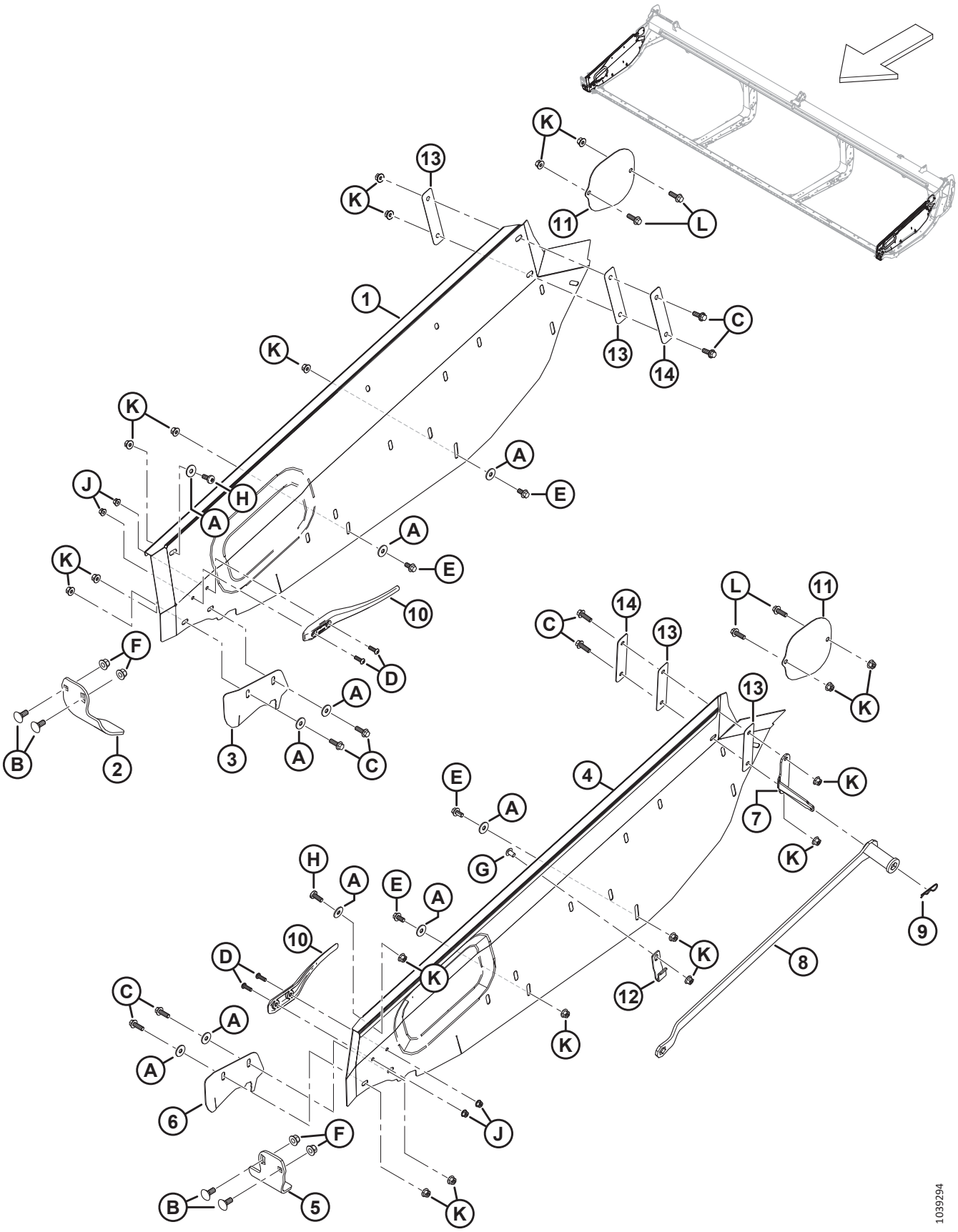
2 Header Frame Components (FD261)



HEADER FRAME COMPONENTS (FD261)

Ref	Part Number	Description	Qty	Serial Number
1	288438	BAR	2	
2	261097	STOP – HINGE TAPERED	2	
3	258835	WASHER – WING LOCK	2	
4	258383	LOCK – MACHINED WING LOCK	2	
5	261496	LINK – LOCK LINK ADJ	2	
6	30463	PIN – CLEVIS, 18 MM X 68 MM OAL	2	
7	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
8	52129	SPACER	2	
9	312704	CHANNEL WELDT	2	
10	258843	BUSHING	4	
11	261092	BAR – HINGE-MACHINED	2	
12	261094	PLATE	2	
A	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
B	184694	NUT – HEX M12 X 1.75-8-AA1J		
C	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
D	184718	WASHER – CON SPRING M16 STL SAE 1050-1075		
E	136513	NUT – HEX THIN FINE M24 X 1.5-8-AA1J		
F	136512	NUT – HEX FINE M24 X 1.5-8-AA1J		
G	31774	WASHER – FLAT 1-1/8-30HRC-AC0C		
H	136887	BOLT – HEX HD M20 X 2.5 X 140-10.9		
J	21540	WASHER – HARD ASTM F436M20-340HV-AB2C		
K	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		
L	320169	BOLT – HEX HD TFL M20 X 2.5 X 90-8.8-ZINC		
M	136124	NUT – HEX M20 X 2.5-10-AA1J		
N	320171	BOLT – HEX HD M24 X 3 X 160-10.9-ZINC		
P	136848	NUT – HEX TOP LOC M24 X 3-10-AA1J		
Q	252303	BOLT – HEX HD TFL M20 X 2.5 X 40-10.9-A3L		
R	136701	WASHER – NORDLOCK M20		
S	360835	PLATE – WASHER TAB M24 NUT		

3 Header Frame End Panels

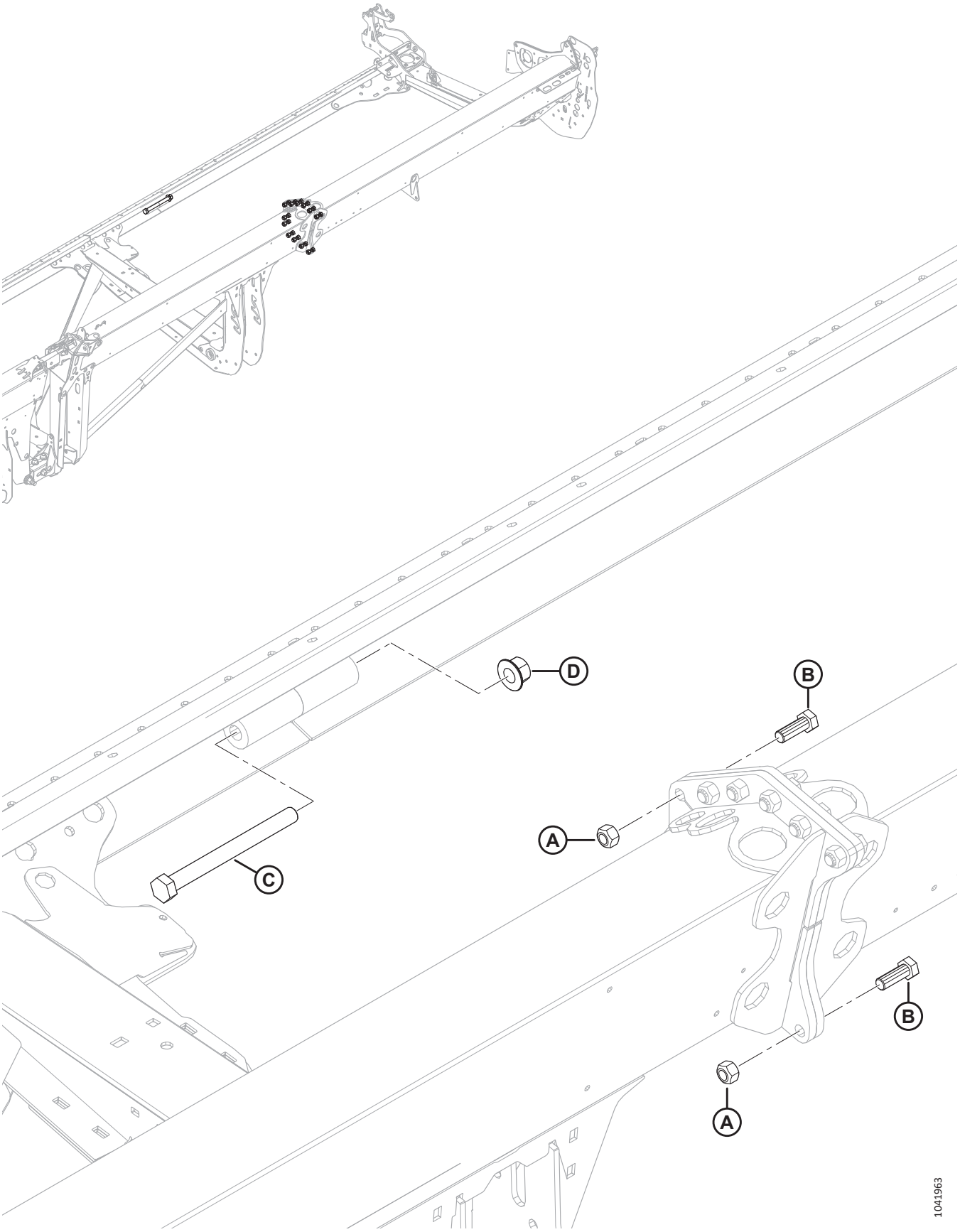


HEADER FRAME END PANELS

Ref	Part Number	Description	Qty	Serial Number
1	368226	END PANEL – RH (2023 AND PRIOR) [4]	1	–486189
	360749	END PANEL – RH (2024 AND LATER) [5]	1	486190–
2	289358	GUARD – RH KNIFE HEAD	1	
3	289349	COVER – RH KNIFE OPENING (2023 AND PRIOR) [6]	1	–486189
	360751	COVER – RH KNIFE OPENING (2024 AND LATER) [7]		486190–
4	368225	END PANEL – LH (2023 AND PRIOR) [4]	1	–486189
	360748	END PANEL – LH (2024 AND LATER) [5]	1	486190–
5	289220	GUARD – LH KNIFE HEAD	1	
6	289341	COVER – LH KNIFE OPENING (2023 AND PRIOR) [6]	1	–486189
	360750	COVER – LH KNIFE OPENING (2024 AND LATER) [7]		486190–
7	340122	BRACKET – WRENCH HOLDER	1	
8	360361	TOOL – HEADER ADJUSTER WELDT [8]	1	
9	13125	PIN – HAIR	1	
10	289742	DEFLECTOR – FINGER	2	
11	289261	SHIELD – UCA COVER	2	
12	340113	RETAINER – WRENCH FRONT	1	
13	340193	INSULATOR – HEADER PANELS [9]	4	
14	340215	PLATE [10]	2	
A	184712	WASHER – FLAT LARGE M10-200HV		
B	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
C	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
D	184649	SCREW – HEX SOC BTN HD M8 X 1.25 X 25		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
H	320304	SCREW – TORX TRUSS HD M10 X 1.5 X 25-SPCL-8.8-ZINC		
J	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		

4. Service part only for model year 2023 and prior headers.
5. Service part only for model year 2024 and later headers.
6. Service part only for model year 2023 and prior headers. Not recommended in all conditions; used primarily in rice and fine grasses to keep crop from getting caught in the delivery opening.
7. Service part only for model year 2024 and later headers. Not recommended in all conditions; used primarily in rice and fine grasses to keep crop from getting caught in the delivery opening.
8. Kit includes header adjuster tool (NSS) and instructions.
9. Two plastic washers (MD #150819) were previously used on the inboard side of the end panel.
10. Two large flat washers (MD #184712) were previously used on the inboard side of the end panels, between plastic washers (MD #150819) and M10 hex bolt (MD #184665).

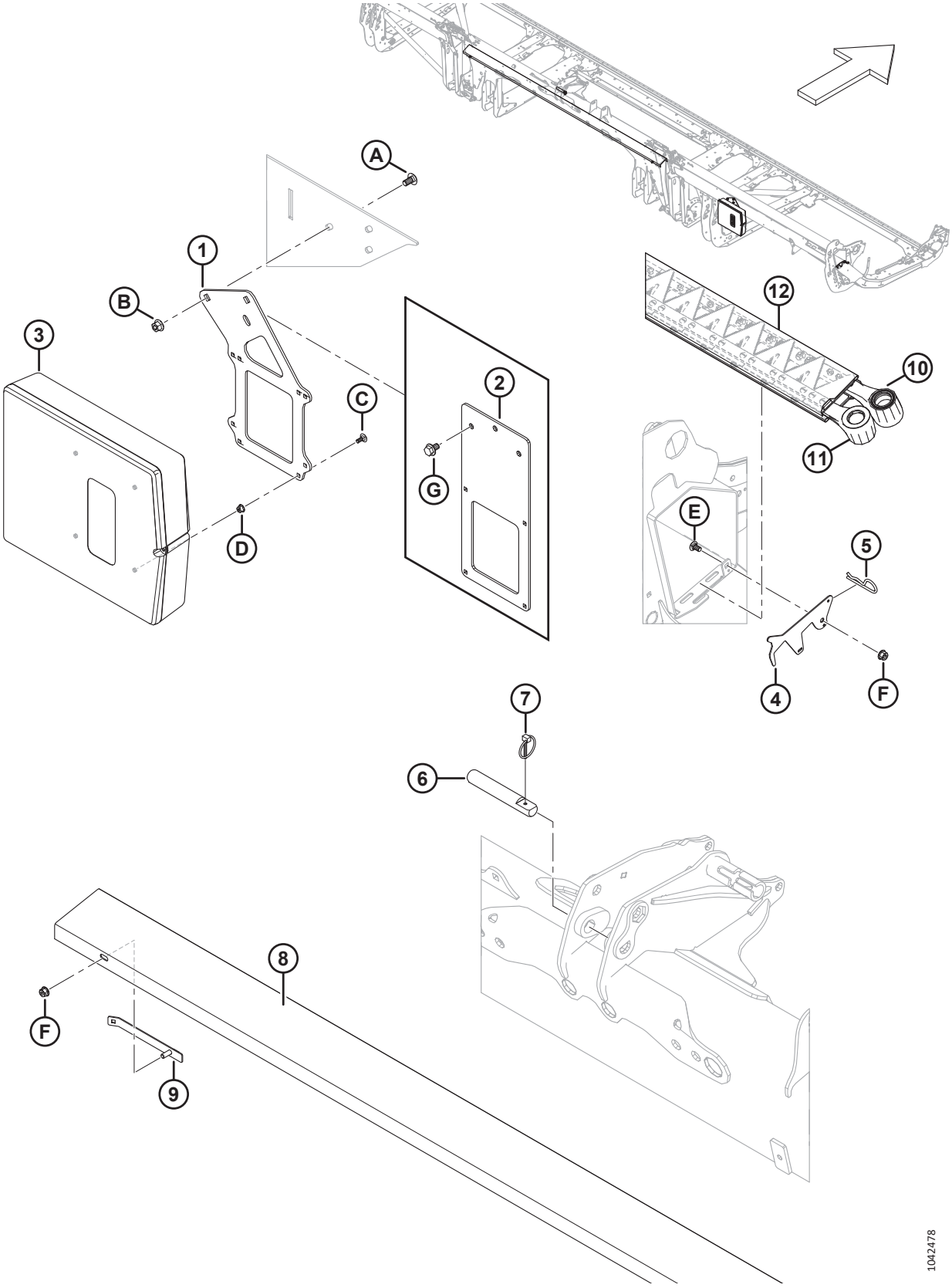
4 Header Frame – Split Frame Hardware



HEADER FRAME – SPLIT FRAME HARDWARE

Ref	Part Number	Description	Qty	Serial Number
A	320026	NUT – HEX TOP LOCK M16 X 2-10-ZINC		
B	136671	BOLT – HEX HD M16 X 2 X 45-10.9-ZINC		
C	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
D	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		

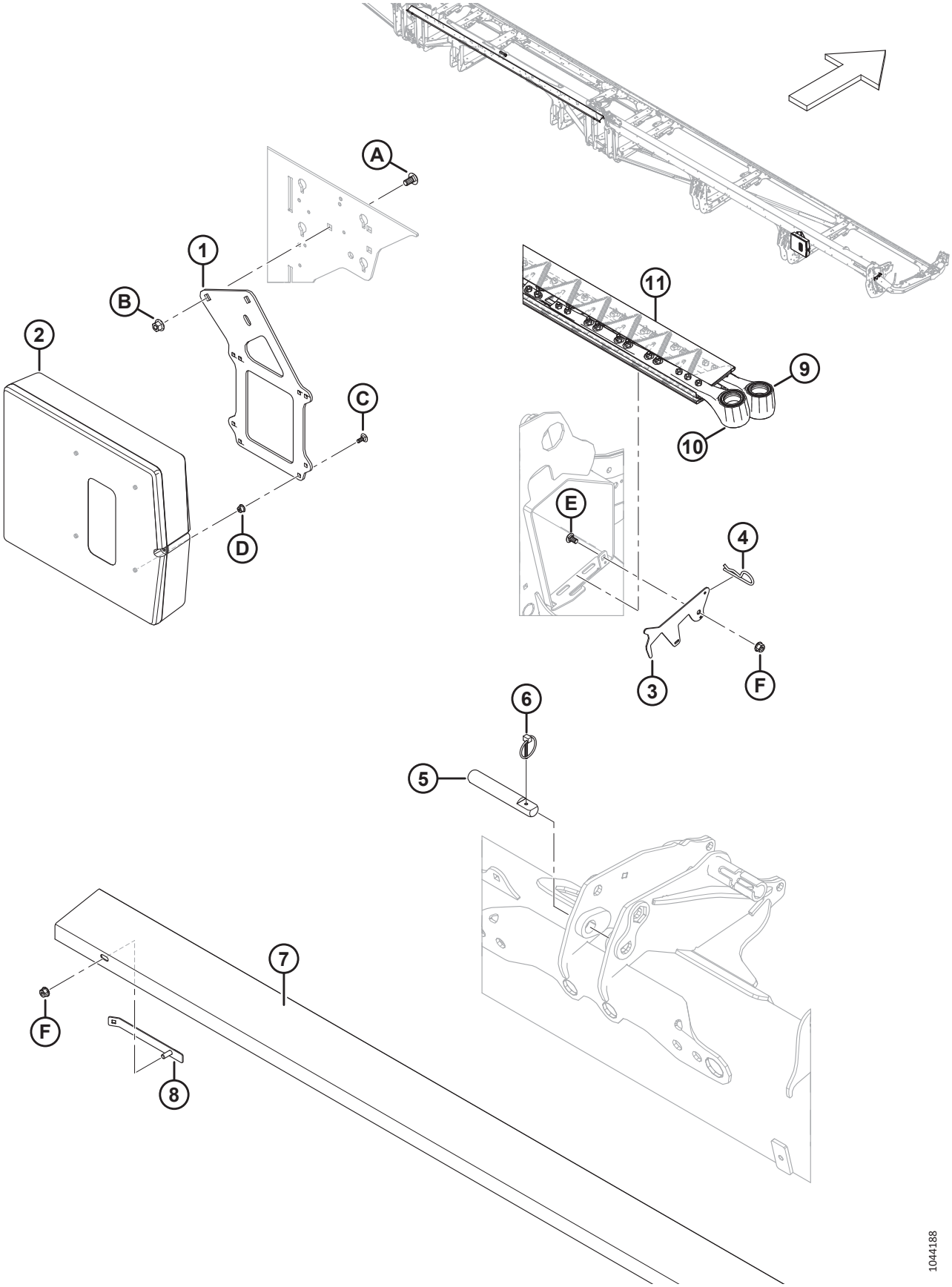
5 Manual Case, Retaining Pin, and Knife Storage (FD225, FD230, FD235, FD240, FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	360175	SUPPORT – MANUAL CASE [11]	1	
2	360176	SUPPORT – MANUAL CASE (FD225) [12]	1	
3	220107	CASE – MANUAL	1	
4	286741	LATCH – RETAINER, KNIFE STORAGE	1	
5	13125	PIN – HAIR	1	
6	313734	PIN – CENTER LINK [13]	1	
7	102264	PIN – LYNCH 3/16 X 1 9/16 IN	1	
8	286502	SUPPORT – SPARE KNIFE, SHORT (FD225, FD230, FD235, FD240, FD241) [14]	1	
	286503	SUPPORT – SPARE KNIFE, LONG (FD245 AND FD250) [15]	1	
9	286725	RETAINER WELDMENT, SPARE KNIFE SUPPORT	2	
10	REF	KNIFE – SPARE, SK [16]	1	
11	REF	KNIFE – SPARE, DK [17]	1	
12	NSS	SHIELD – KNIFE	A/R	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
D	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
E	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
F	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
G	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J [12]		

11. All headers except FD225.
12. FD225 headers only.
13. The center-link pin is used to hold the cylinder from the FM200 center-link; refer to Section *207 Hydraulics – Center-Link and Header Tilt / Reel Fore-Aft, page 519*.
14. Used for FD225, FD230, FD235, FD240, and FD241 headers only.
15. Used for FD245 and FD250 headers only.
16. For service parts, refer to Sections *43 Knives – Single-Knife Headers (FD225), page 93* or*44 Knives – Single-Knife Headers (FD230, FD235, and FD240), page 95*.
17. For service parts, refer to Sections *45 Knives – Double-Knife Headers (FD235 and FD240), page 99*, *46 Knives – Double-Knife Headers (FD241), page 105*, *47 Knives – Double-Knife Headers (FD245), page 109*, or *48 Knives – Double-Knife Headers (FD250), page 113*.

6 Manual Case, Retaining Pin, and Knife Storage (FD261)

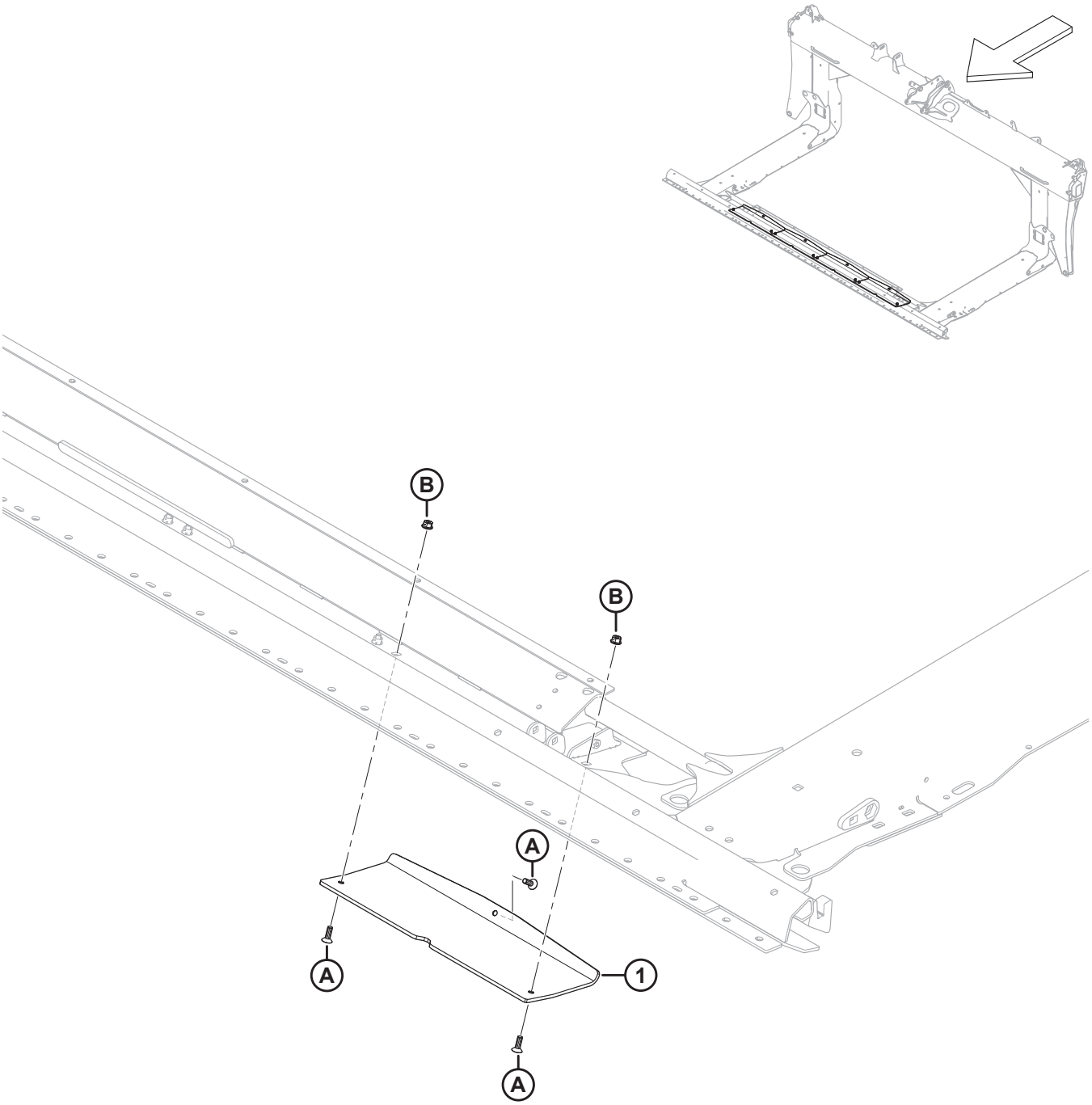


MANUAL CASE, RETAINING PIN, AND KNIFE STORAGE (FD261)

Ref	Part Number	Description	Qty	Serial Number
1	360175	SUPPORT – MANUAL CASE	1	
2	220107	CASE – MANUAL	1	
3	286741	LATCH – RETAINER, KNIFE STORAGE	1	
4	13125	PIN – HAIR	1	
5	313734	PIN – CENTER LINK [18]	1	
6	102264	PIN – LYNCH 3/16 X 1 9/16 IN	1	
7	286503	SUPPORT – SPARE KNIFE, LONG	1	
8	286725	RETAINER WELDMENT, SPARE KNIFE SUPPORT	2	
9	REF	KNIFE – SPARE, LH [19]	1	
10	REF	KNIFE – SPARE, RH [19]	1	
11	NSS	SHIELD – KNIFE	A/R	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
D	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
E	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
F	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

18. The center-link pin is used to hold the cylinder from the FM200 center-link; refer to Section *207 Hydraulics – Center-Link and Header Tilt / Reel Fore-Aft, page 519*.
19. For service parts, refer to Section *49 Knives – Double-Knife Headers (FD261), page 117*.

7 Transition Pan

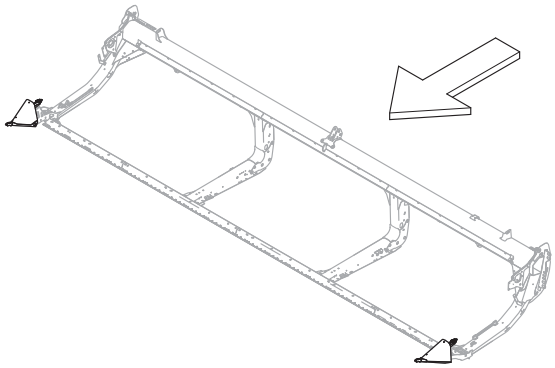


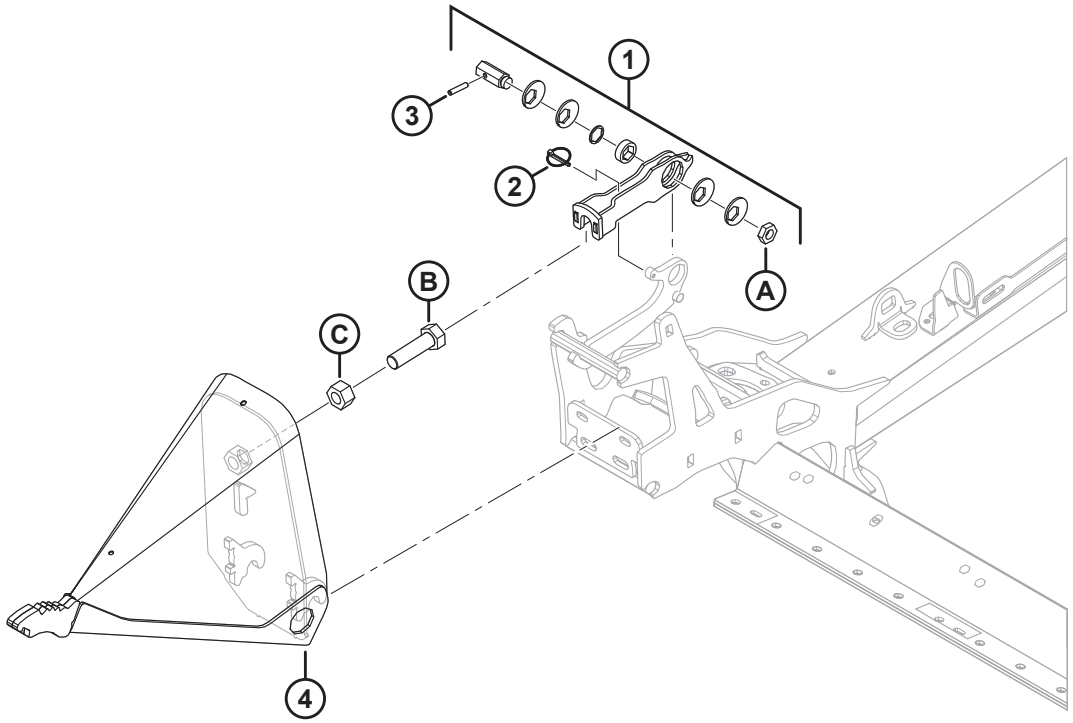
1032288

TRANSITION PAN

Ref	Part Number	Description	Qty	Serial Number
1	357797	SHOE – TRANSITION PAN SKID	4	
A	136492	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 25-10.9-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

8 Divider Cones





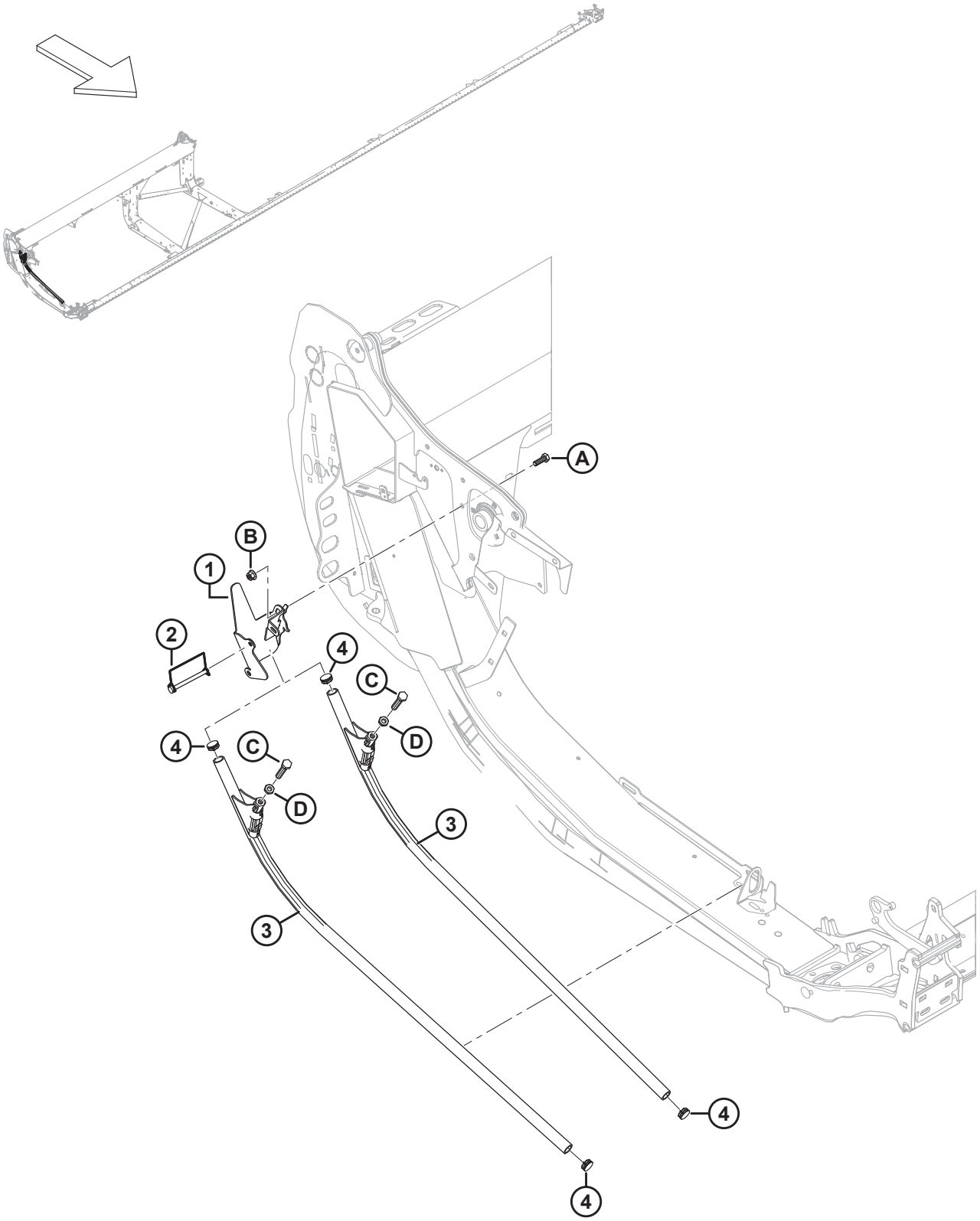
1032287

DIVIDER CONES

Ref	Part Number	Description	Qty	Serial Number
1	313767	KIT – DIVIDER LATCH [20]	2	
2	50193	PIN – LYNCH	2	
3	16266	PIN – SPRING 1/4 DIA X 1.25 LG	2	
4	289235	DIVIDER ASSEMBLY – LH [21]	1	
	289359	DIVIDER ASSEMBLY – RH [21]	1	
A	320218	NUT – HEX THIN M16 X 2-SPCL-5-ZINC		
B	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
C	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		

20. The Divider Latch kit includes one latch (NSS), one lynch pin (MD #50193), one spring pin (MD #16266), four eccentric discs (NSS), one bushing (NSS), one hexagonal shaft (NSS), one shim (NSS), divider latch decals (MD #289762, MD #289763), and one nut (MD #320218). For decals, refer to Section *127 Decals and Reflectors – FD2 Series, page 303*.
21. The divider assembly includes one bolt (MD #136339) and one nut (MD #136342).

9 Divider Rods and Storage

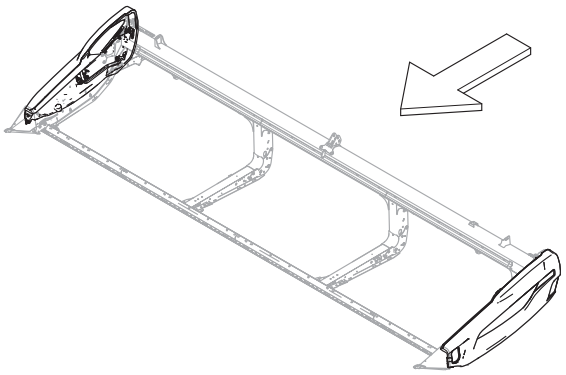


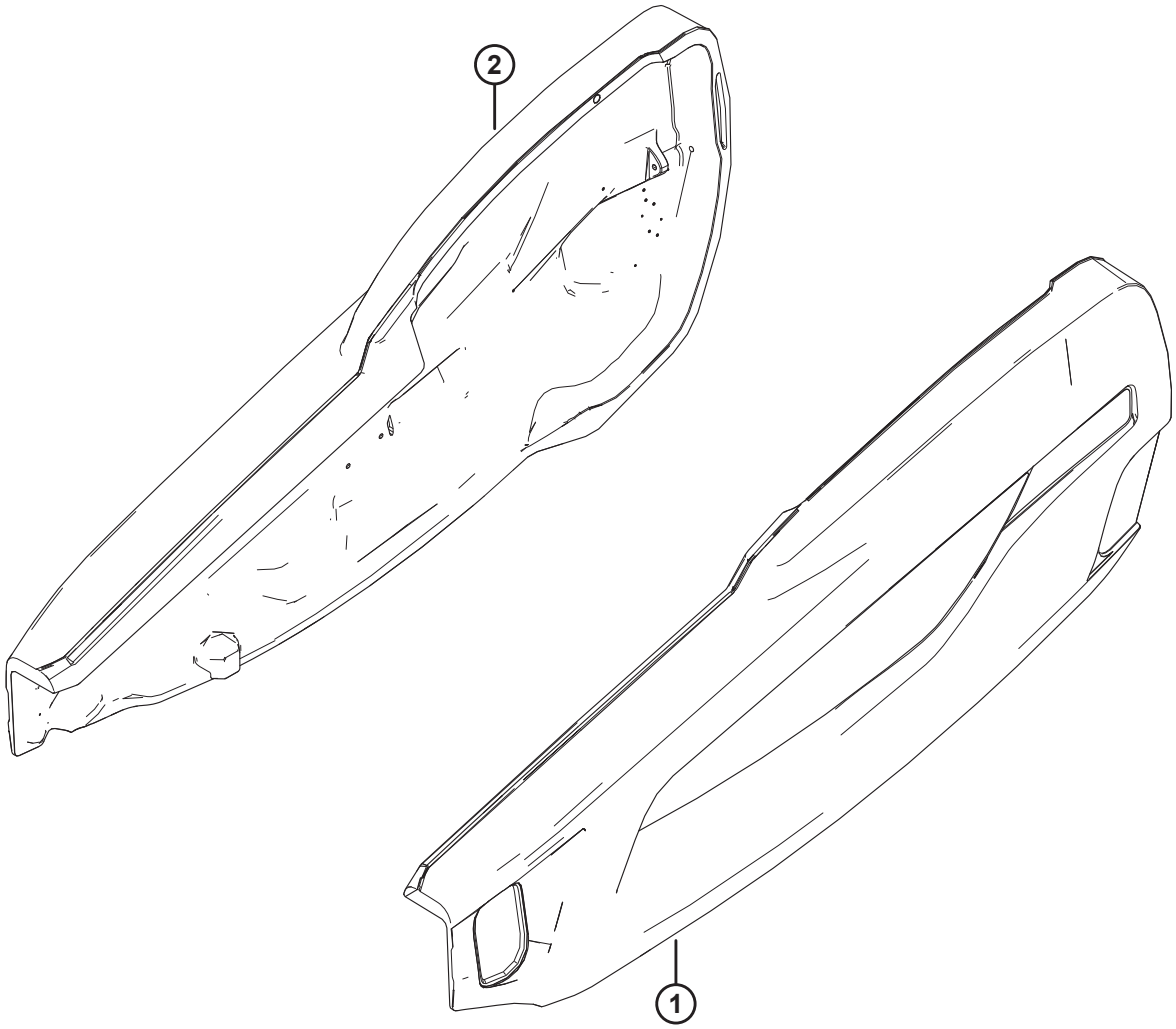
DIVIDER RODS AND STORAGE

Ref	Part Number	Description	Qty	Serial Number
1	360127	SUPPORT WELDT – ROD STORAGE	1	
2	136749	PIN – LYNCH	1	
3	289654	DIVIDER – ROD ASSY [22]	2	
4	335301	PLUG – PLASTIC, SNAP-IN	2	
A	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	252541	BOLT – HEX HD TFL M12 X 1.75 X 65-8.8-AA3L		
D	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		

22. The divider rod includes one bolt (MD #252541), one nut (MD #184696), and two plugs (MD #335301).

10 Endshields – MacDon



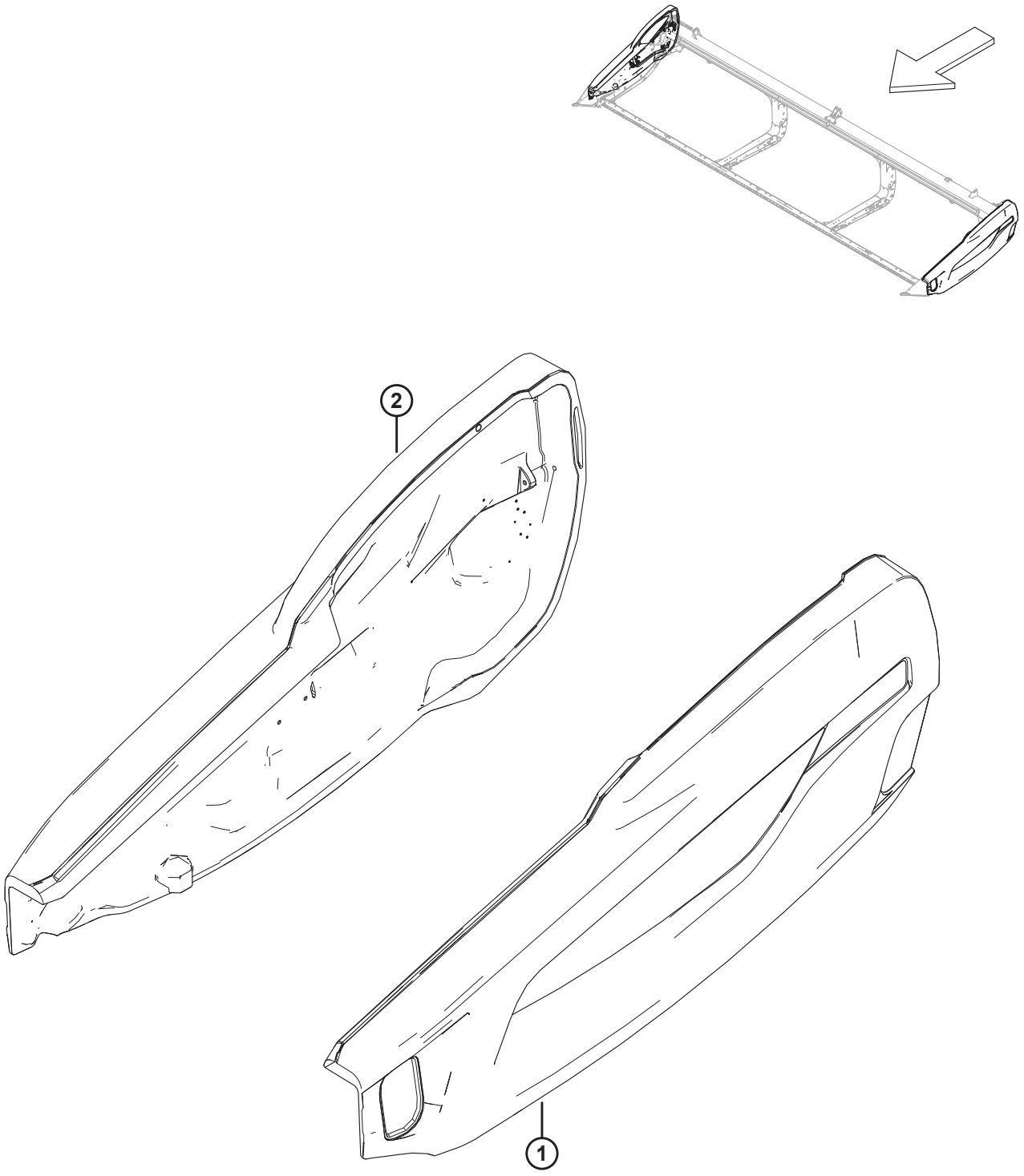


1034956

Ref	Part Number	Description	Qty	Serial Number
1	360554	SHIELD ASSY – BLACK, LH [23]	1	
2	360555	SHIELD ASSY – BLACK, RH [23]	1	
	165524	REFLECTOR – RED, 230 MM [24]		

23. Refer to Section *128 Decals – Product Identification, page 305* for product identification decals.
24. Refer to Section *127 Decals and Reflectors – FD2 Series, page 303*. This reflector is used on the right endshield only.

11 Endshields – Case IH

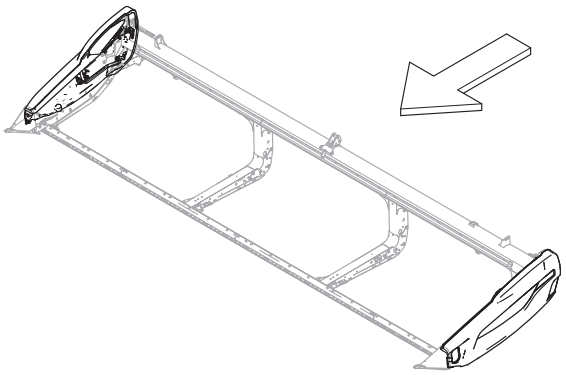


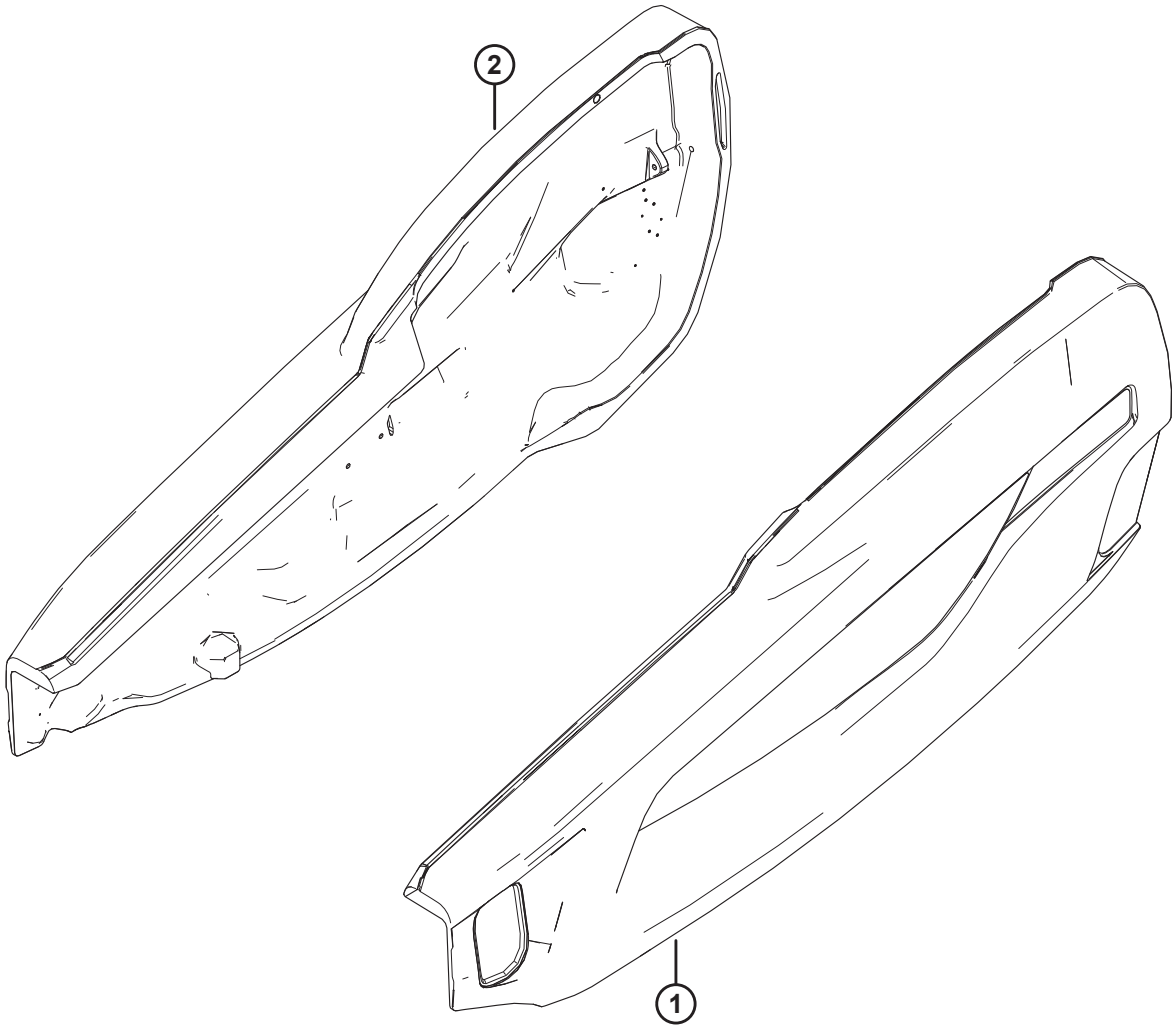
1039649

Ref	Part Number	Description	Qty	Serial Number
1	360552	SHIELD ASSY – CIH AG RED, LH [25]	1	
2	360448	SHIELD ASSY – CIH AG RED, RH [25]	1	
	165524	REFLECTOR – RED, 230 MM [26]		

25. Refer to Section *129 Decals – Product Identification, Case IH, page 307* for product identification decals.
26. Refer to Section *127 Decals and Reflectors – FD2 Series, page 303*. This reflector is used on the right endshield only.

12 Endshields – New Holland



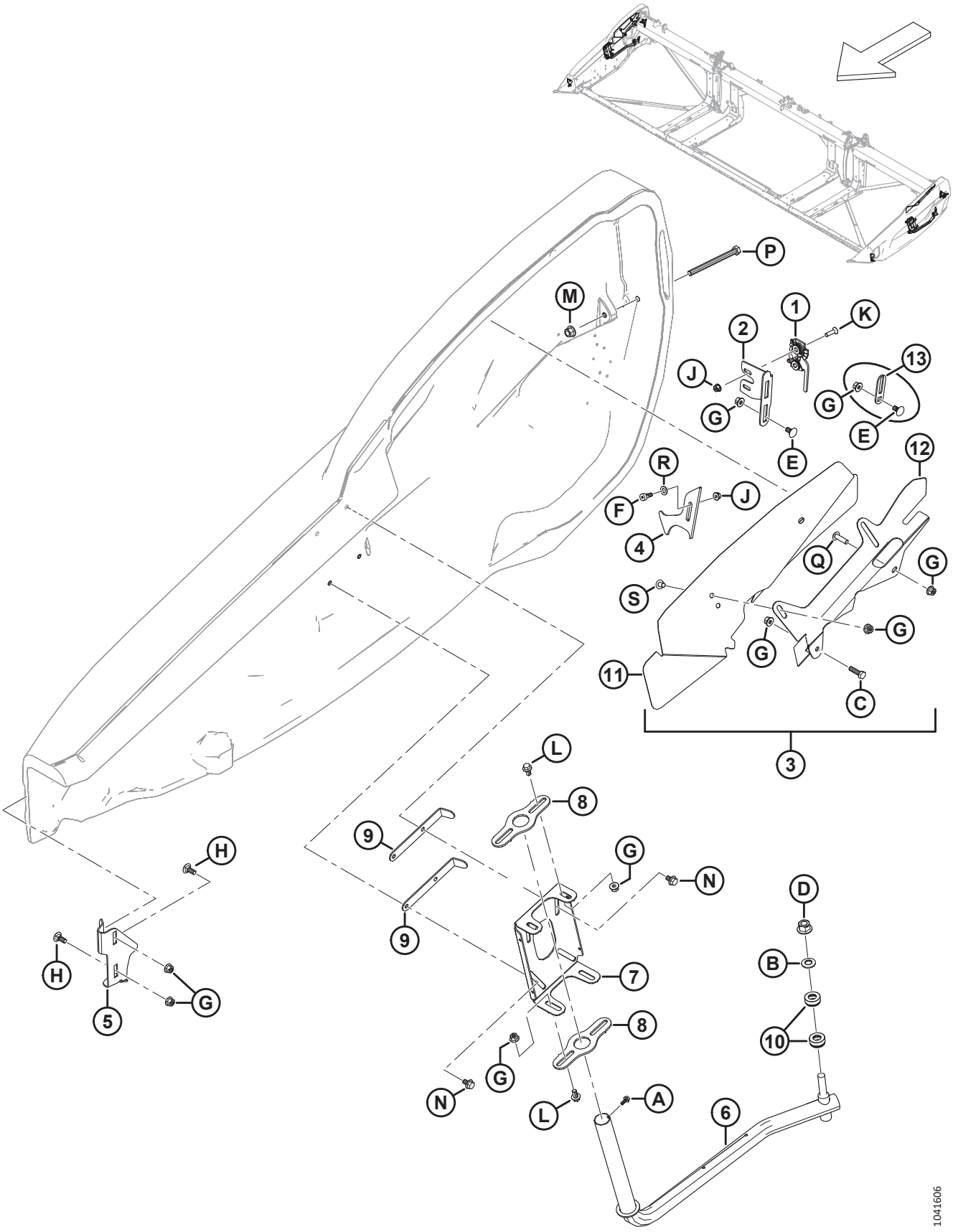


1039650

Ref	Part Number	Description	Qty	Serial Number
1	**368388**	**SHIELD ASSY – NH YELLOW, LH** [27]	**1**	
2	**368395**	**SHIELD ASSY – NH YELLOW, RH** [27]	**1**	
	165524	REFLECTOR – RED, 230 MM [28]		

27. Refer to Section *130 Decals – Product Identification, New Holland, page 311* for product identification decals.
28. Refer to Section *127 Decals and Reflectors – FD2 Series, page 303*. This reflector is used on the right endshield only.

13 Endshield Mount Components

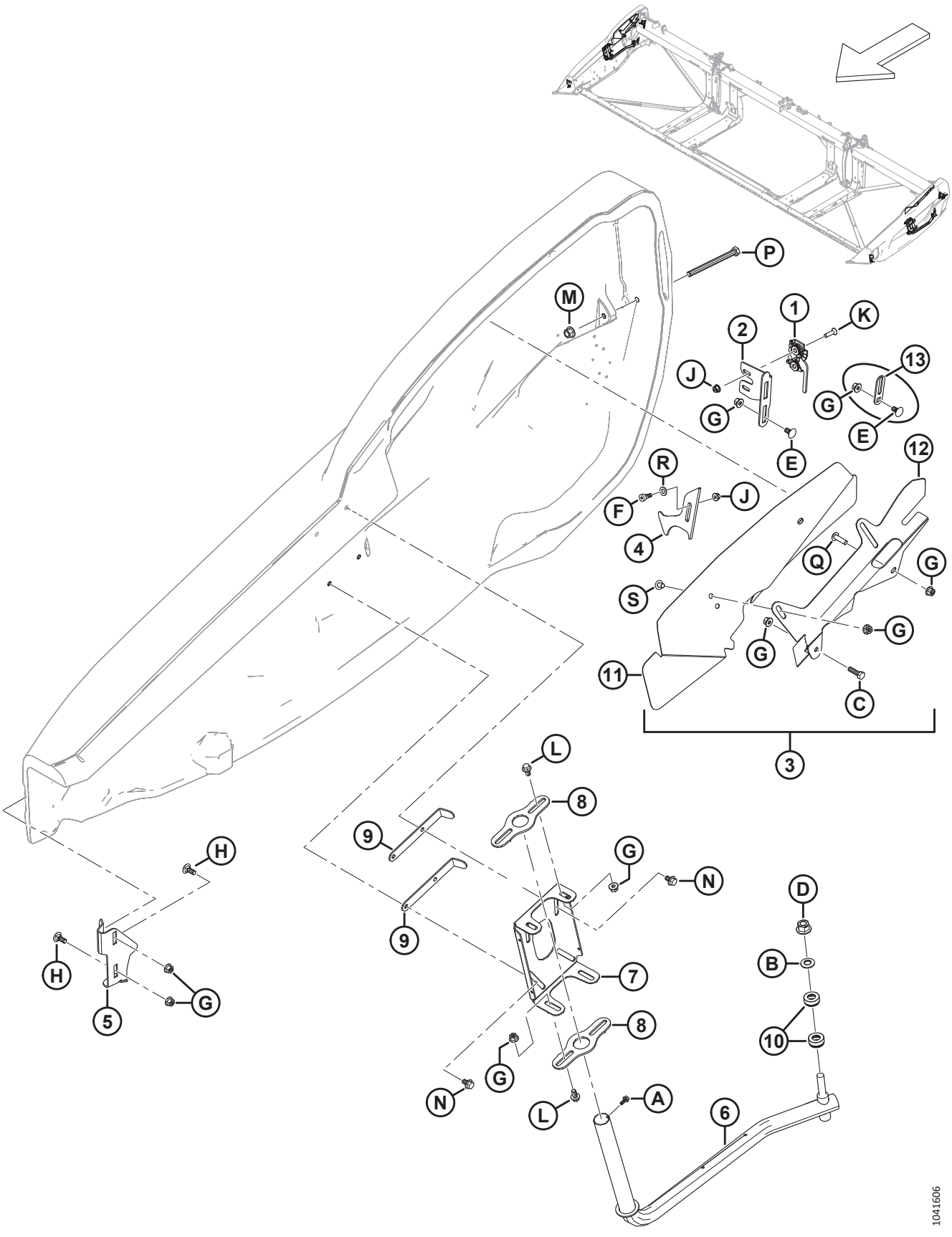


ENDSHIELD MOUNT COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
1	289925	LATCH – RH 2 STAGE	1	
	289924	LATCH – LH 2 STAGE	1	
2	289621	SUPPORT – RH LATCH	1	
	289618	SUPPORT – LH LATCH	1	
3	360785	KIT – NECK SHIELD RH [29]	1	
	360784	KIT – NECK SHIELD LH [30]	1	
4	289519	LATCH – RH	1	
	289520	LATCH – LH	1	
5	289483	SUPPORT – RH FRONT	1	
	289380	SUPPORT – LH FRONT	1	
6	289439	ARM – RH WELDT	1	
	289375	ARM – LH WELDT	1	
7	313432	PIVOT – SHIELD RH	1	
	313303	PIVOT – SHIELD LH	1	
8	313304	PIVOT	4	
9	313783	RETAINER	4	
10	289487	BEARING – THRUST	4	
11	360379	SHIELD – RH NECK [31]	1	
	360378	SHIELD – LH NECK [31]	1	
12	360375	SUPPORT – RH NECK SHIELD [31]	1	
	360374	SUPPORT – LH NECK SHIELD [31]	1	
13	313713	GUIDE – LATCH [32]	2	
A	252284	SCREW – HEX WSHR HD M6 X 1 X 16-450HV		
B	184718	WASHER – CON SPRING M16 STL SAE 1050-1075		
C	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
D	136736	NUT – HEX FLG TOP LOCK M16 X 1.5-10-AA2L		
E	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
F	135894	SCREW – HEX SOC HD SHLDR M10		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
H	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
J	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
K	135336	SCREW – CSK MCH M8 X 1.25 X 30 GR5 AA1J		
L	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
M	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
N	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
P	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		
Q	320327	SCREW – TORX TRUSS HD M10 X 1.5 X 35-SPCL-8.8-ZINC		

29. The RH Neck Shield kit is used to service superseded RH neck shields (MD #340714) for model year 2023 and prior units. The kit includes one RH neck shield (MD #360379), one RH neck shield support (MD #360375), two screws (MD #136640), two nuts (MD #135799), and instructions.
30. The LH Neck Shield kit is used to service superseded LH neck shields (MD #340111) for model year 2023 and prior units. The kit includes one LH neck shield (MD #360378), one LH neck shield support (MD #360374), two screws (MD #136640), two nuts (MD #135799), and instructions.
31. Used for units made in model year 2024 and later, or for model year 2023 and prior units that have been serviced with neck shield kits (MD #360784 and MD #360785).
32. For export headers only.

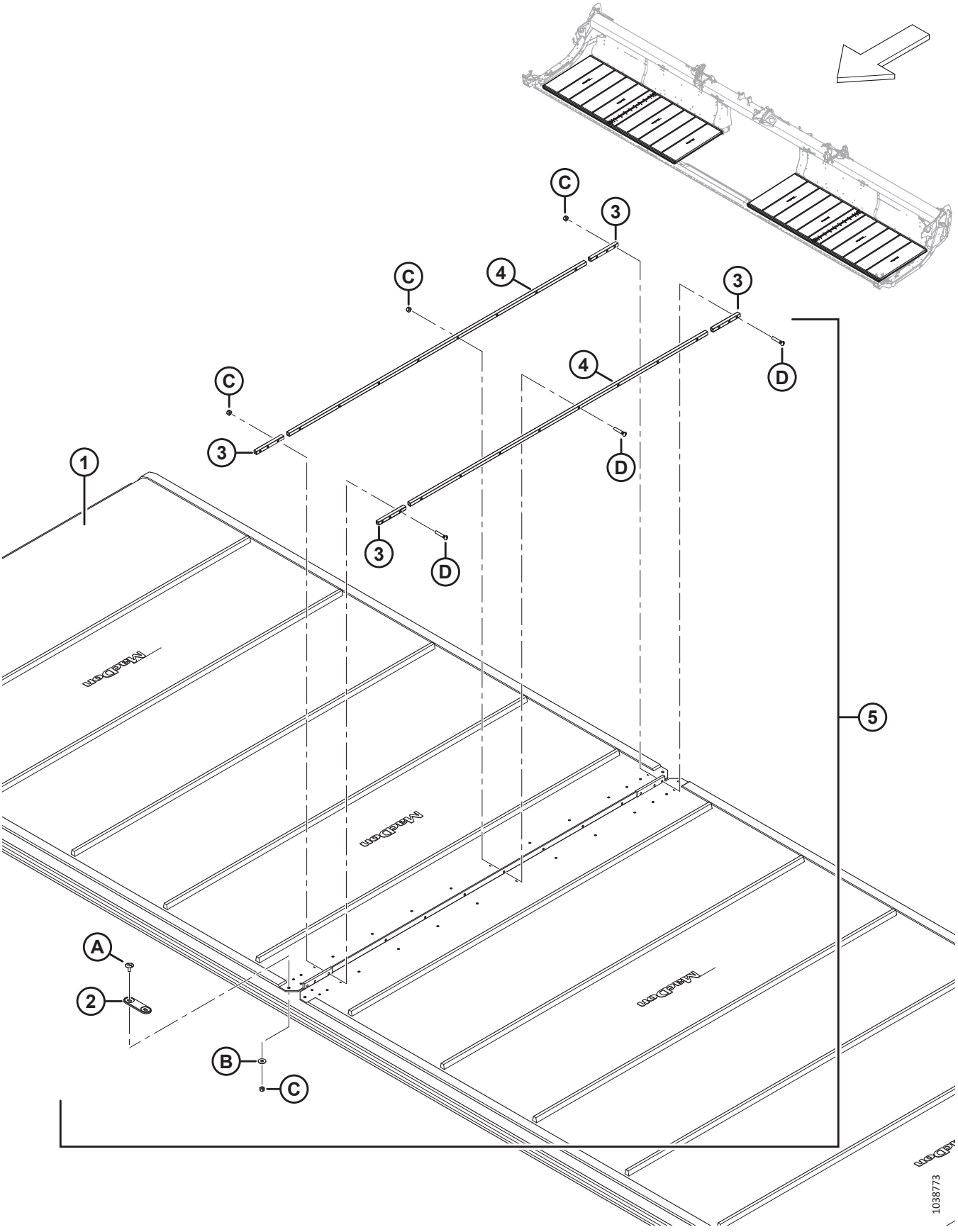
ENDSHIELD MOUNT COMPONENTS



ENDSHIELD MOUNT COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
R	184711	WASHER – FLAT REG M10-200HV-AA1J		
S	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		

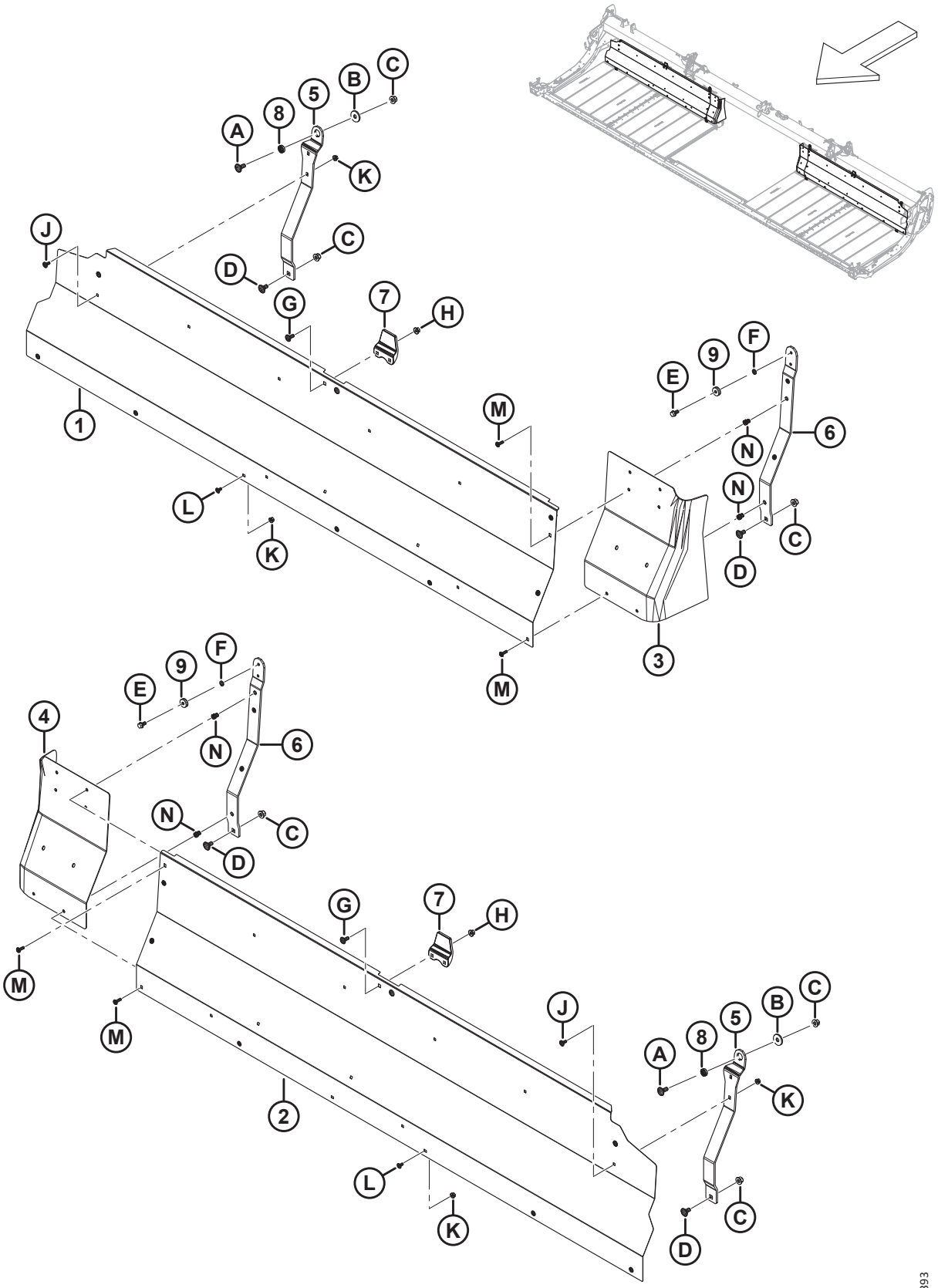
14 Draper



Ref	Part Number	Description	Qty	Serial Number
1	319098	KIT – DRAPER 25 FT, 50 INCH WIDE [33]	2	
	319099	KIT – DRAPER 30 FT, 50 INCH WIDE [33]	2	
	319100	KIT – DRAPER 35 FT, 50 INCH WIDE [33]	2	
	319101	KIT – DRAPER 40 FT, 50 INCH WIDE [33]	2	
	319102	KIT – DRAPER 41 FT, 50 INCH WIDE [33]	2	
	319103	KIT – DRAPER 45 FT, 50 INCH WIDE [33]	2	
	319104	KIT – DRAPER 50 FT, 50 INCH WIDE [33]	2	
	319751	**KIT – DRAPER 61 FT, 50 INCH WIDE** [33]	**2**	
	319105	KIT – DRAPER REPAIR 50 INCH, 500 MM (19.7 IN.) LG [34]	A/R	
	319540	KIT – BULK DRAPER 50 IN. [35]	OPT	
2	319662	CONNECTOR – BRIDGE	2	
3	NSS	BAR – CONNECTOR DRAPER HEM [36]	8	
	319347	KIT – DRAPER CONNECTOR 50 INCH, HEM [37]	A/R	
4	NSS	BAR – CONNECTOR DRAPER CENTER [38]	4	
	319346	KIT – DRAPER CONNECTOR 50 INCH, CENTER [39]	A/R	
5	319095	KIT – DRAPER CONNECTOR 50 INCH [40]	2	
A	320148	SCREW – TRUSS SLT HD M6 X 1.0 16-SPCL-8.8-ZINC		
B	184706	WASHER – FLAT LARGE M6-200HV		
C	286479	NUT – CTR LOC CSK M6 X 1 50PK [41]		
D	319345	KIT – SCREW M6 X 34 C/W NUT 30PK [42]		

33. The kit includes one draper (NSS) and one draper connector kit (MD #319095).
34. The kit includes one draper repair piece (NSS) and two draper connector kits (MD #319095).
35. The kit includes a bulk draper roll and instructions.
36. Not sold separately (NSS). Order either the draper hem connector kit (MD #319347) or the draper connector kit (MD #319095).
37. The kit includes two draper hem connector bars (NSS) and hardware (MD #226259 and MD #320240).
38. Not sold separately (NSS). Order either the draper center connector kit (MD #319346) or the draper connector kit (MD #319095).
39. The kit includes two draper center connector bars (NSS) and hardware (MD #226259 and MD #320240).
40. One kit per side; the kit includes two draper center connector bars (NSS), four draper hem connector bars (NSS), one bridge connector (MD #319662), and hardware.
41. The kit includes 50 nuts; used to service hardware C shown in the illustration.
42. The kit includes 30 screws and 30 nuts; used to service hardware D shown in the illustration.

15 Draper – Backsheet Panels (FD225)

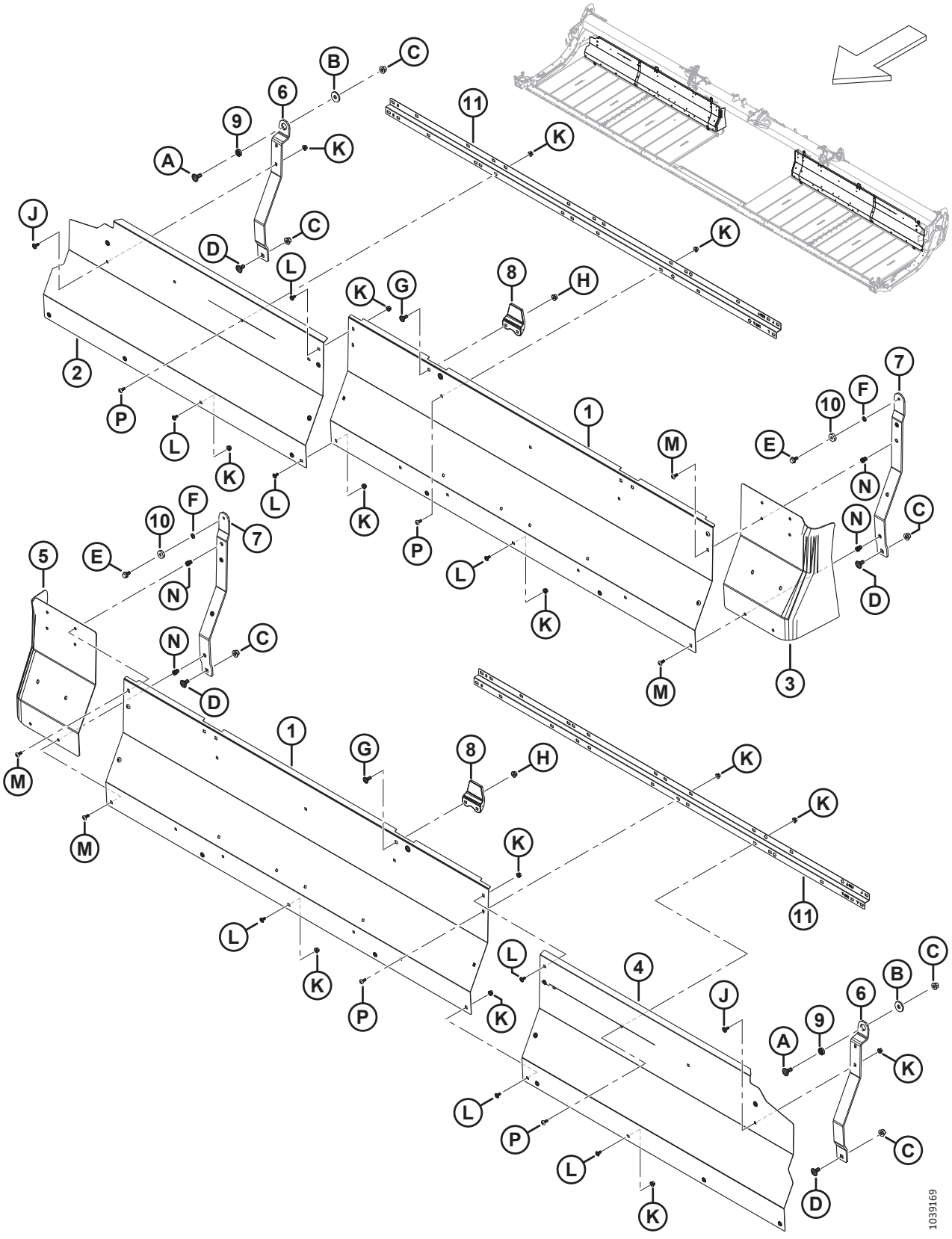


DRAPER – BACKSHEET PANELS (FD225)

Ref	Part Number	Description	Qty	Serial Number
1	275405	PANEL – BACKSHEET 25 FT RH	1	
2	275404	PANEL – BACKSHEET 25 FT LH	1	
3	319223	EXTENSION – BACKSHEET RH	1	
4	319222	EXTENSION – BACKSHEET LH	1	
5	319394	SUPPORT – DECK FLEX OUTBOARD	2	
6	319366	SUPPORT – DECK FLEX INBOARD [43]	2	
7	145840	GUIDE – BACKSHEET	2	
8	275563	SPACER – SPECIAL ROTATION	2	
9	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
A	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
B	275623	WASHER – FLAT		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
E	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
F	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
G	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
J	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
M	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
N	320181	RIVNUT – M8 X 1.25 HEX 3.8-7.9		

43. The kit includes one inboard flex deck support assembly (NSS) and one screw (MD #101897).

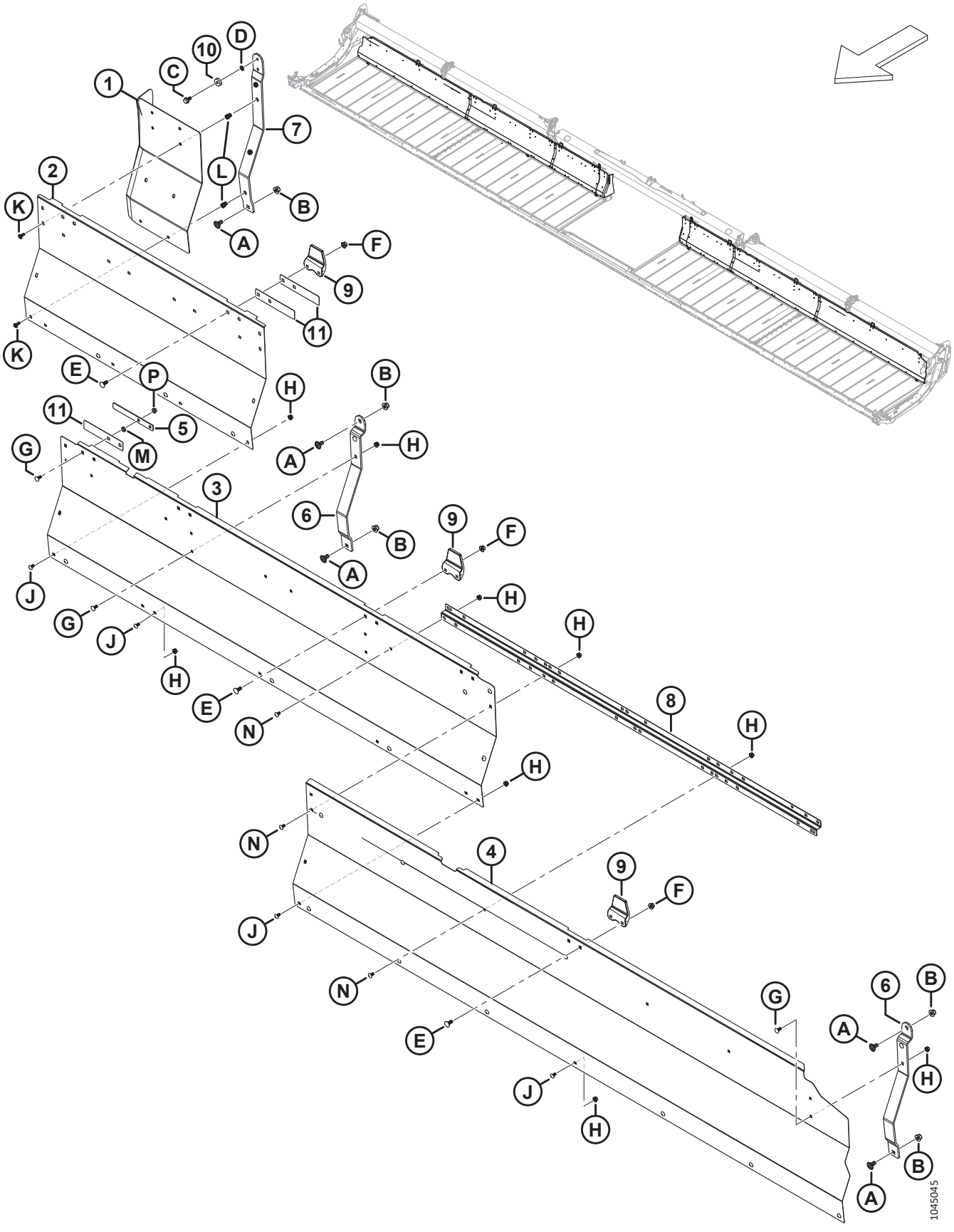
16 Draper – Backsheet Panels (FD230, FD235, FD240, and FD241)



Ref	Part Number	Description	Qty	Serial Number
1	275837	PANEL – BACKSHEET 30, 35, 40, 41 FT INNER	2	
2	275461	PANEL – BACKSHEET 30 FT RH OUTER	1	
	275320	PANEL – BACKSHEET 35 FT RH OUTER	1	
	275287	PANEL – BACKSHEET 40 FT RH OUTER	1	
	275483	PANEL – BACKSHEET 41 FT RH OUTER	1	
3	319223	EXTENSION – BACKSHEET RH	1	
4	275460	PANEL – BACKSHEET 30 FT LH OUTER	1	
	275319	PANEL – BACKSHEET 35 FT LH OUTER	1	
	275286	PANEL – BACKSHEET 40 FT LH OUTER	1	
	275484	PANEL – BACKSHEET 41 FT LH OUTER	1	
5	319222	EXTENSION – BACKSHEET LH	1	
6	319394	SUPPORT – DECK FLEX OUTBOARD	2	
7	319366	SUPPORT – DECK FLEX INBOARD [44]	2	
8	145840	GUIDE – BACKSHEET	2	
9	275563	SPACER – SPECIAL ROTATION	2	
10	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
11	360509	SUPPORT – BACKSHEET	2	
A	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
B	275623	WASHER – FLAT		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
E	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
F	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
G	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
J	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
K	**152863**	**NUT – HEX FLG STVR LK M8 X 1.25-10-ZINC**		
L	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
M	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
N	320181	RIVNUT – M8 X 1.25 HEX 3.8-7.9		
P	**320536**	**SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-ZINC**		

44. The kit includes one inboard flex deck support assembly (NSS) and one screw (MD #101897).

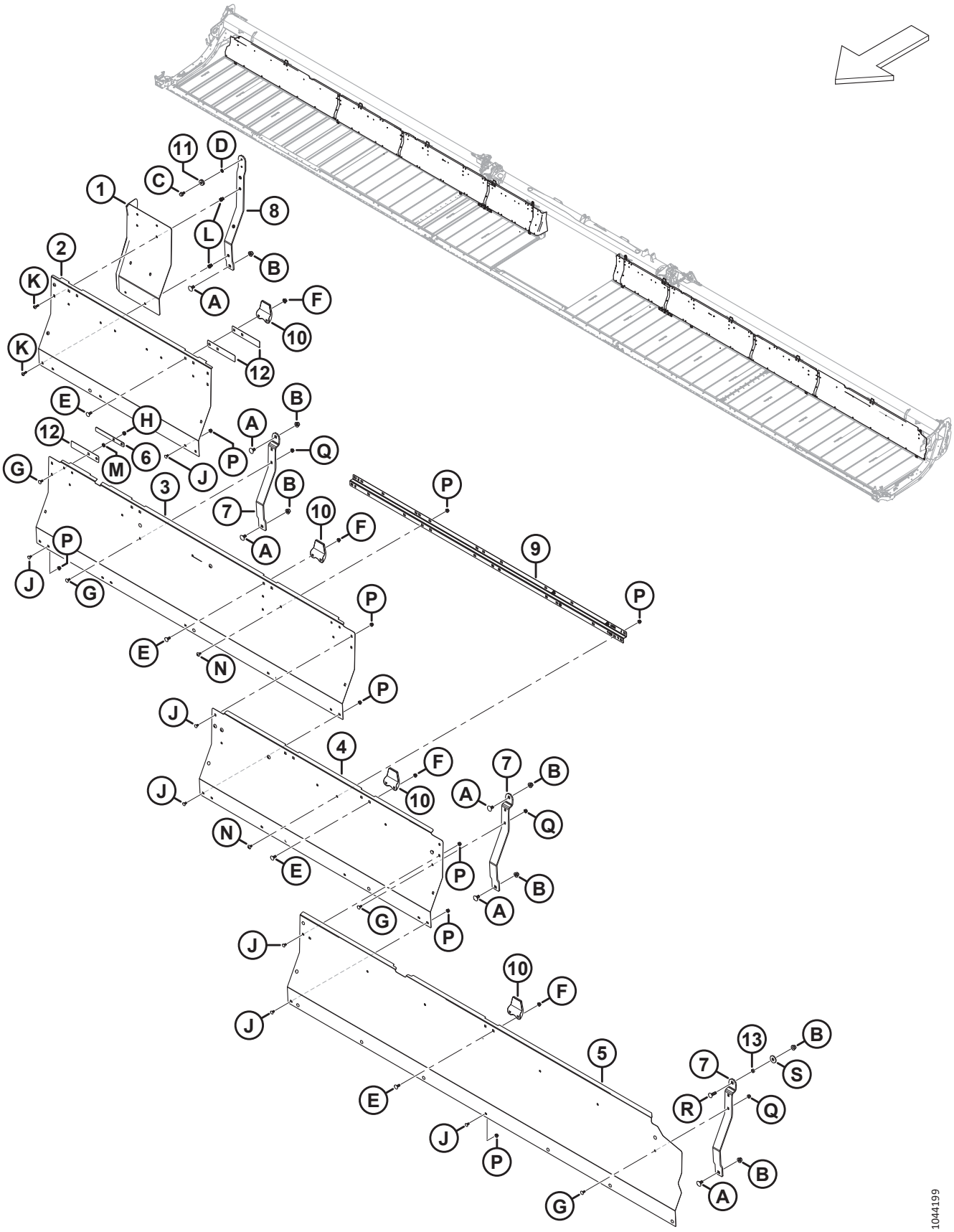
17 Draper – Backsheet Panels (FD245 and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	319222	EXTENSION – BACKSHEET LH	1	
	319223	EXTENSION – BACKSHEET RH	1	
2	275965	PANEL – BACKSHEET LH/RH INBOARD	2	
3	275676	PANEL – BACKSHEET LH/RH MIDDLE	2	
4	275319	PANEL – BACKSHEET 45 FT LH OUTER	1	
	275320	PANEL – BACKSHEET 45 FT RH OUTER	1	
	275286	PANEL – BACKSHEET 50 FT LH OUTER	1	
	275287	PANEL – BACKSHEET 50 FT RH OUTER	1	
5	319404	PLATE – RETAINER BACKSHEET	2	
6	275675	SUPPORT – DECK	4	
7	319366	SUPPORT – DECK FLEX INBOARD [45]	2	
8	360509	SUPPORT – BACKSHEET	2	
9	145840	GUIDE – BACKSHEET	6	
10	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
11	319403	PLATE – GUIDE BACKSHEET	6	
A	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
D	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
E	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
H	**152863**	**NUT – HEX FLG STVR LK M8 X 1.25-10-ZINC**		
J	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
K	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
L	320181	RIVNUT – M8 X 1.25 HEX 3.8-7.9		
M	255930	WASHER – FLAT		
N	**320536**	**SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-ZINC**		
P	**135337**	**NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J**		

45. The kit includes one inboard flex deck support assembly (NSS) and one screw (MD #101897).

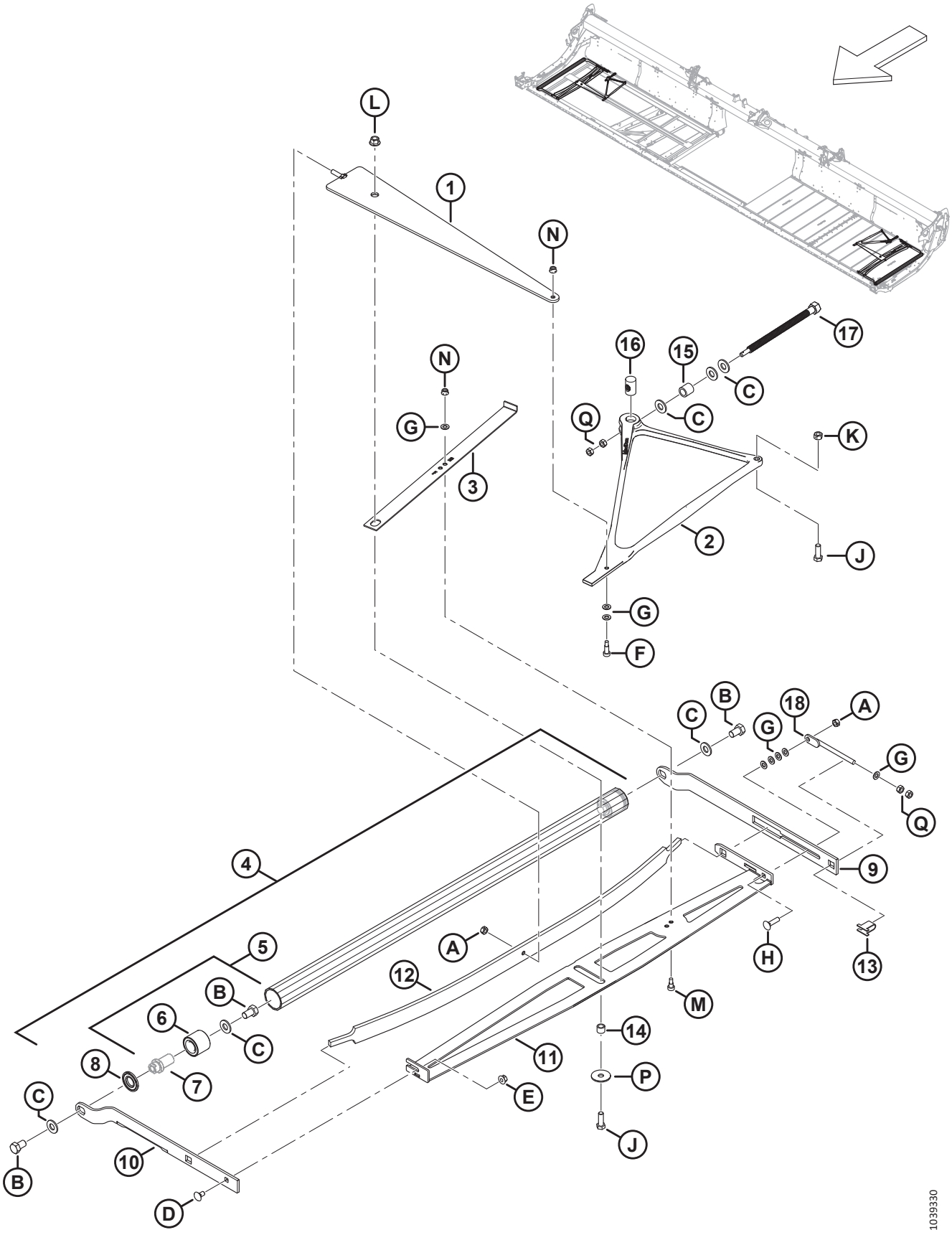
18 Draper – Backsheet Panels (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	319222	EXTENSION – BACKSHEET LH	1	
	319223	EXTENSION – BACKSHEET RH	1	
2	275965	PANEL – BACKSHEET LH/RH INBOARD	2	
3	275676	PANEL – BACKSHEET LH/RH MIDDLE	2	
4	319745	PANEL – BACKSHEET 61 FT MIDDLE	2	
5	275286	PANEL – BACKSHEET 61 FT LH OUTER	1	
	275287	PANEL – BACKSHEET 61 FT RH OUTER	1	
6	319404	PLATE – RETAINER BACKSHEET	2	
7	275675	SUPPORT – DECK	6	
8	319366	SUPPORT – DECK FLEX INBOARD [46]	2	
9	360509	SUPPORT – BACKSHEET	2	
10	145840	GUIDE – BACKSHEET	8	
11	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
12	319403	PLATE – GUIDE BACKSHEET	6	
13	314169	SPACER	2	
A	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
D	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
E	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
K	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
L	320181	RIVNUT – M8 X 1.25 HEX 3.8-7.9		
M	255930	WASHER – FLAT		
N	320536	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-ZINC		
P	152863	NUT – HEX FLG STVR LK M8 X 1.25-10-ZINC		
Q	152863	NUT – HEX FLG STVR LK M8 X 1.25-10-ZINC		
R	197122	BOLT – BOLT RHSSN M12 X 1.75 X 40-8.8-AA1J		
S	275623	WASHER – FLAT		

46. The kit includes one inboard flex deck support assembly (NSS) and one screw (MD #101897).

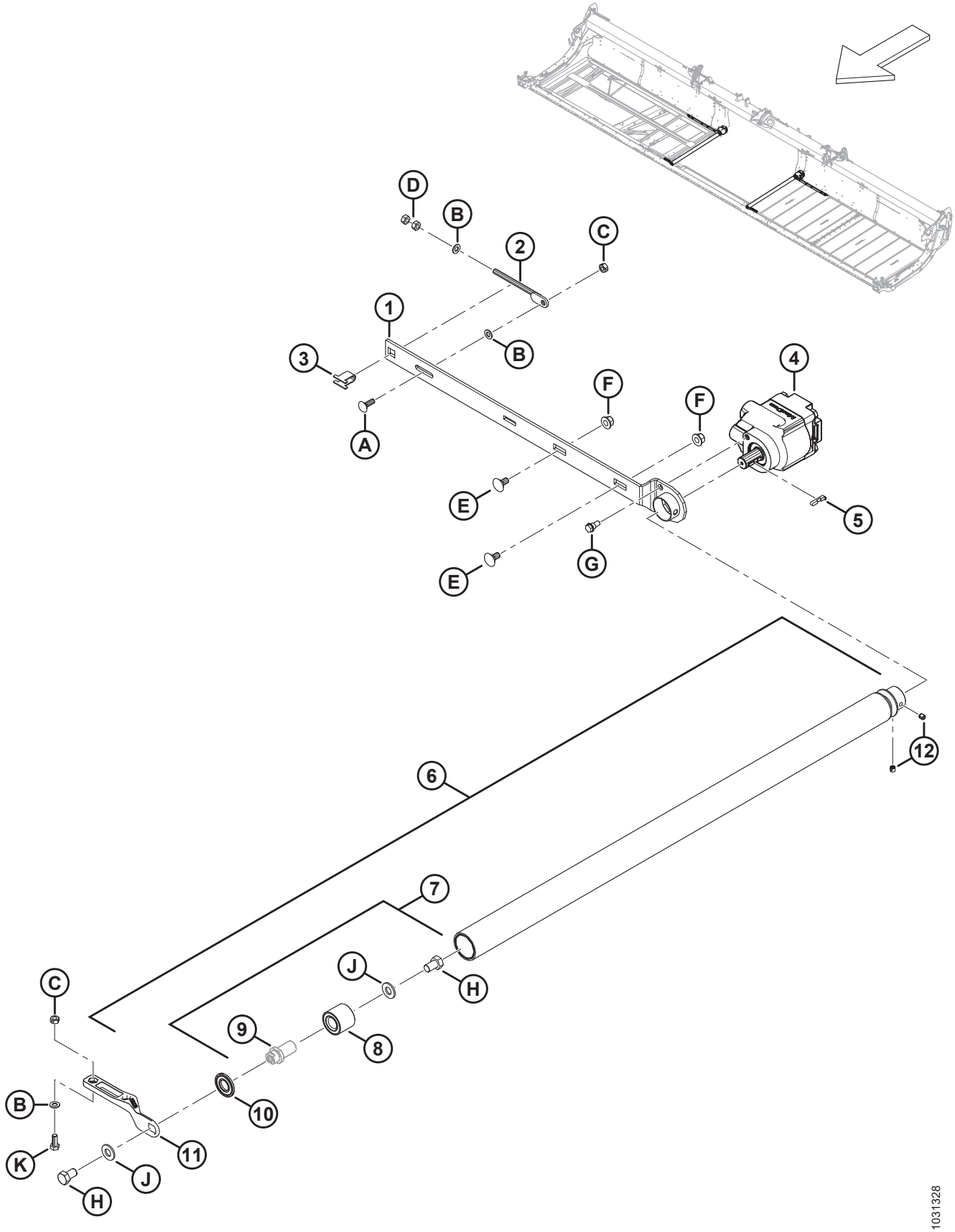
19 Draper – Tensioner



Ref	Part Number	Description	Qty	Serial Number
1	319051	MEMBER – COMPRESSION WELDT	2	
2	275902	CASTING – TENSIONER BELLCRANK	2	
3	275877	INDICATOR – TENSIONER	2	
4	275211	IDLER ROLLER ASSY SERVICE [47]	2	
5	165735	PIN ASSY – DRAPER ROLLER [48]	4	
6	**337284**	**BEARING – BALL DBL ROW 52 MM OD**	**4**	
7	NSS	PIN [49]		
8	120845	SEAL – NILOS LSTO STEEL DISK	4	
9	275324	ARM – IDLER ROLLER REAR	2	
10	319708	ARM – RH FRONT IDLER ROLLER	1	
	319707	ARM – LH FRONT IDLER ROLLER	1	
11	275375	MEMBER – RH STABILIZER WELDT	1	
	275348	MEMBER – LH STABILIZER WELDT	1	
12	227747	SPRING – LEAF	2	
13	275232	SUPPORT – ADJUSTER SCREW	2	
14	132531	SPACER	2	
15	227656	SPACER – TENSIONER BOLT	2	
16	275879	NUT – SPECIAL LEAD-SCREW	2	
17	320167	BOLT – HEX HD M16 X 4.0-SPCL-8.8-AA1J	2	
18	227914	BOLT – ADJUSTER WELDT	2	
A	320206	NUT – HEX CTR LOC M10 X 1.5-8-ZINC		
B	145249	BOLT – HEX HD TFL 5/8-18 X 1.0 GR5-AA1J		
C	30441	WASHER – HARDENED ASTM F436 5/8		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	197275	SCREW – HEX SOC HD SHLDR M10 X 20		
G	184711	WASHER – FLAT REG M10-200HV-AA1J		
H	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
J	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
K	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
L	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
M	135894	SCREW – HEX SOC HD SHLDR M10		
N	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
P	42592	WASHER – FLAT		
Q	30505	NUT – HEX M10 X 1.5-10-AA1J		

47. Includes two pin assemblies (MD #165735) and two seals (MD #120845).
48. Includes one pin (NSS), one bearing (MD #337284), and hardware (MD #30441, MD #145249).
49. Not sold separately; included in pin assembly (MD #165735).

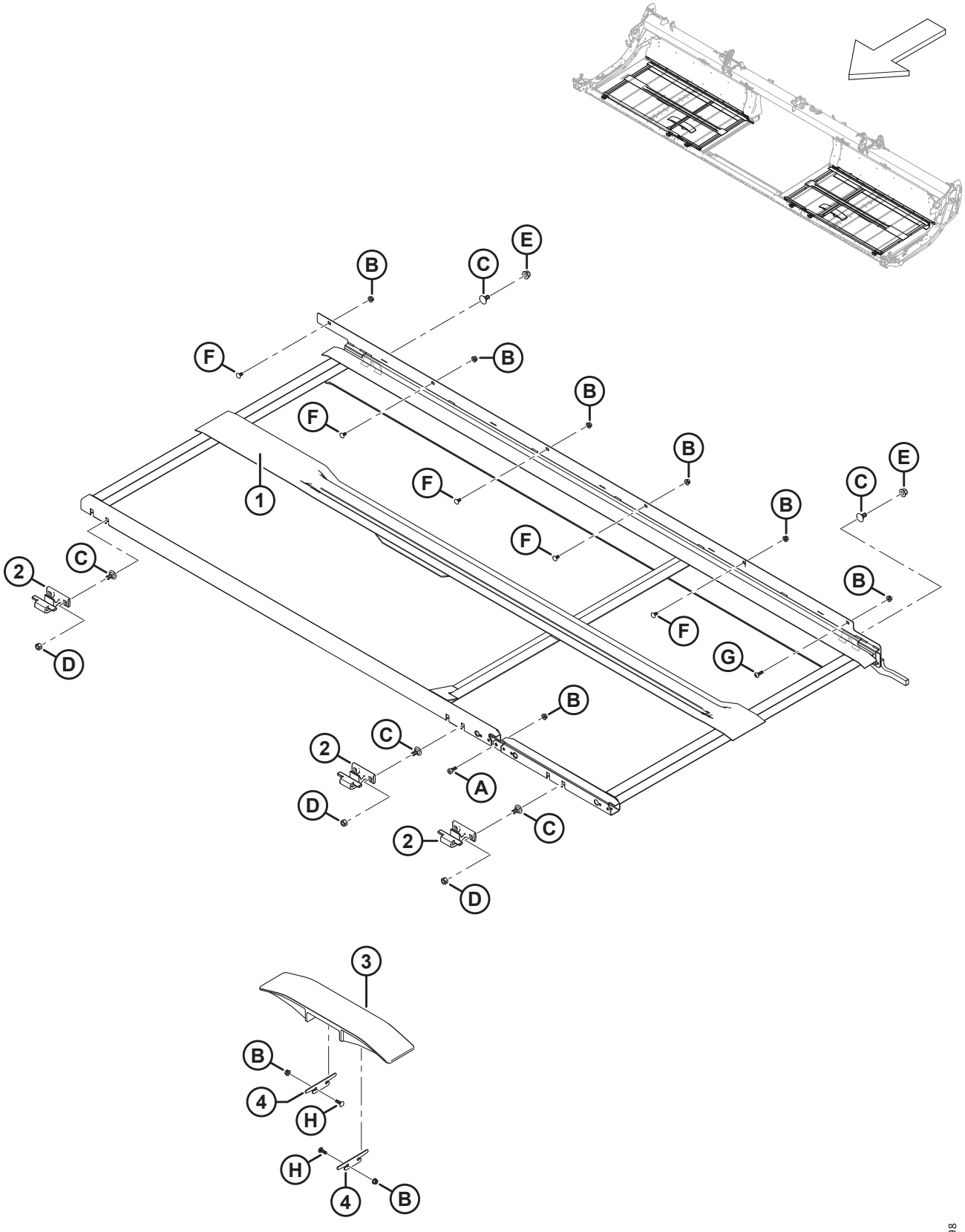
20 Draper – Drive Roller



Ref	Part Number	Description	Qty	Serial Number
1	275332	ARM – DRIVE ROLLER WELDT	1	
2	227914	BOLT – ADJUSTER WELDT	1	
3	275232	SUPPORT – ADJUSTER SCREW	1	
4	275860	MOTOR – HYD GEAR DRAPER DRIVE	1	
	319583	SEAL KIT – DRAPER DRIVE MOTOR		
5	275864	KEY – DRAPER DRIVE MOTOR	1	
6	319191	DRIVE ROLLER ASSY SERVICE [50]	1	
7	165735	PIN ASSY – DRAPER ROLLER [51]	1	
8	**337284**	**BEARING – BALL DBL ROW 52 MM OD**	**1**	
9	NSS	PIN [52]		
10	120845	SEAL – NILOS LSTO STEEL DISK	1	
11	319265	CASTING – RH/LH FRONT DRIVE ARM	2	
12	320182	SCREW – SET SOC M10 X 1.5 X 10-8.8-BO	2	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	320206	NUT – HEX CTR LOC M10 X 1.5-8-ZINC		
D	30505	NUT – HEX M10 X 1.5-10-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	172259	BOLT – SHOULDER .375-16 UNC-AA1J		
H	145249	BOLT – HEX HD TFL 5/8-18 X 1.0 GR5-AA1J		
J	30441	WASHER – HARDENED ASTM F436 5/8		
K	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		

50. Includes one vulcanized roller (NSS), one pin assembly (MD #165735), one seal (MD #120845), and two set screws (MD #320182).
51. Includes one pin (NSS), one bearing (MD #337284), and hardware (MD #30441, MD #145249).
52. Not sold separately; included in pin assembly (MD #165735).

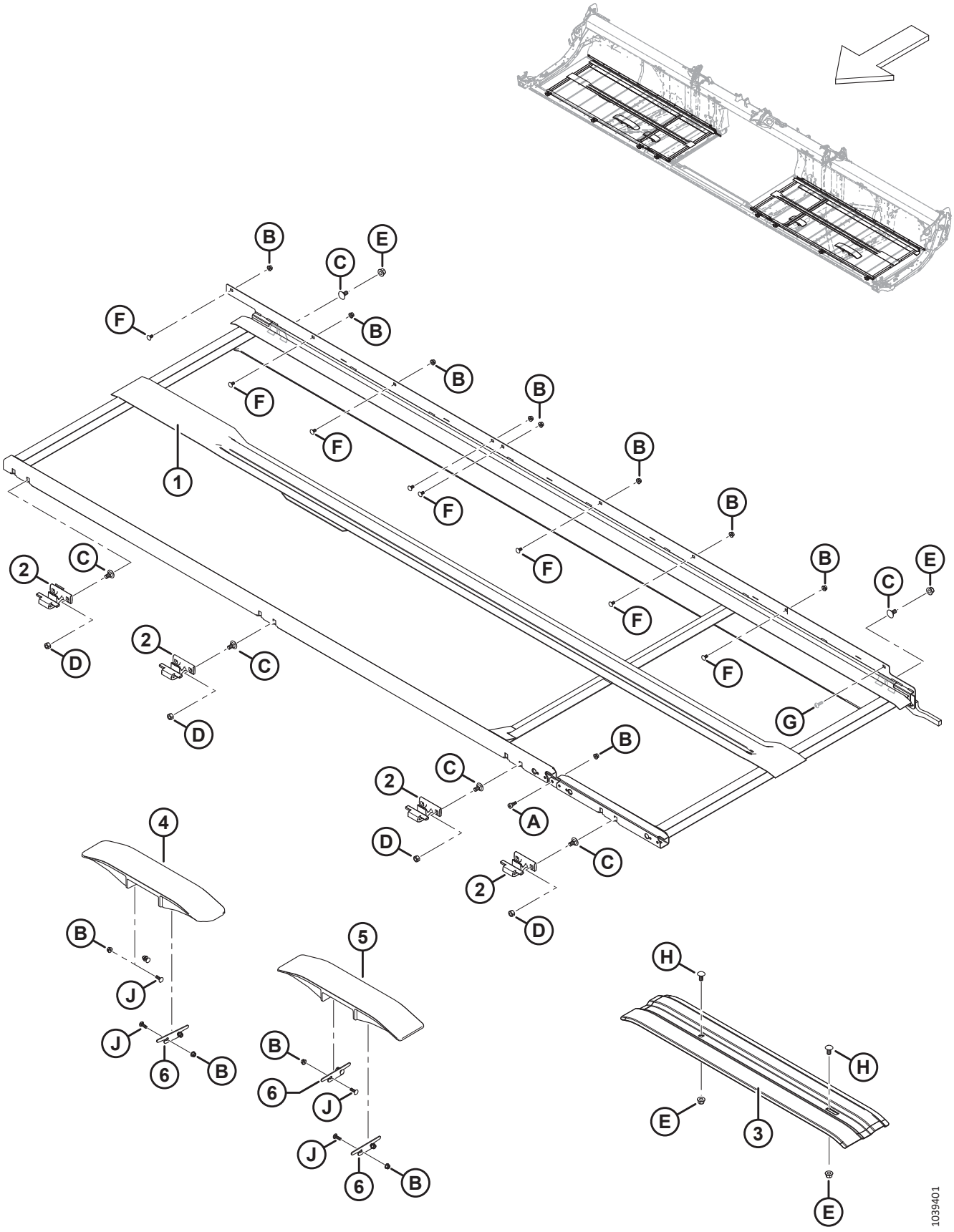
21 Draper – Decks and Tracks (FD225)



DRAPER – DECKS AND TRACKS (FD225)

Ref	Part Number	Description	Qty	Serial Number
1	319588	DECK WELDT – 25 FT RH FLEX	1	
	319587	DECK WELDT – 25 FT LH FLEX	1	
2	319225	CASTING – DECK FRONT HOOK	6	
3	340841	TRACK – STANDARD PLASTIC	2	
4	340681	SHIM – DRAPER TRACK	4	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
G	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
H	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		

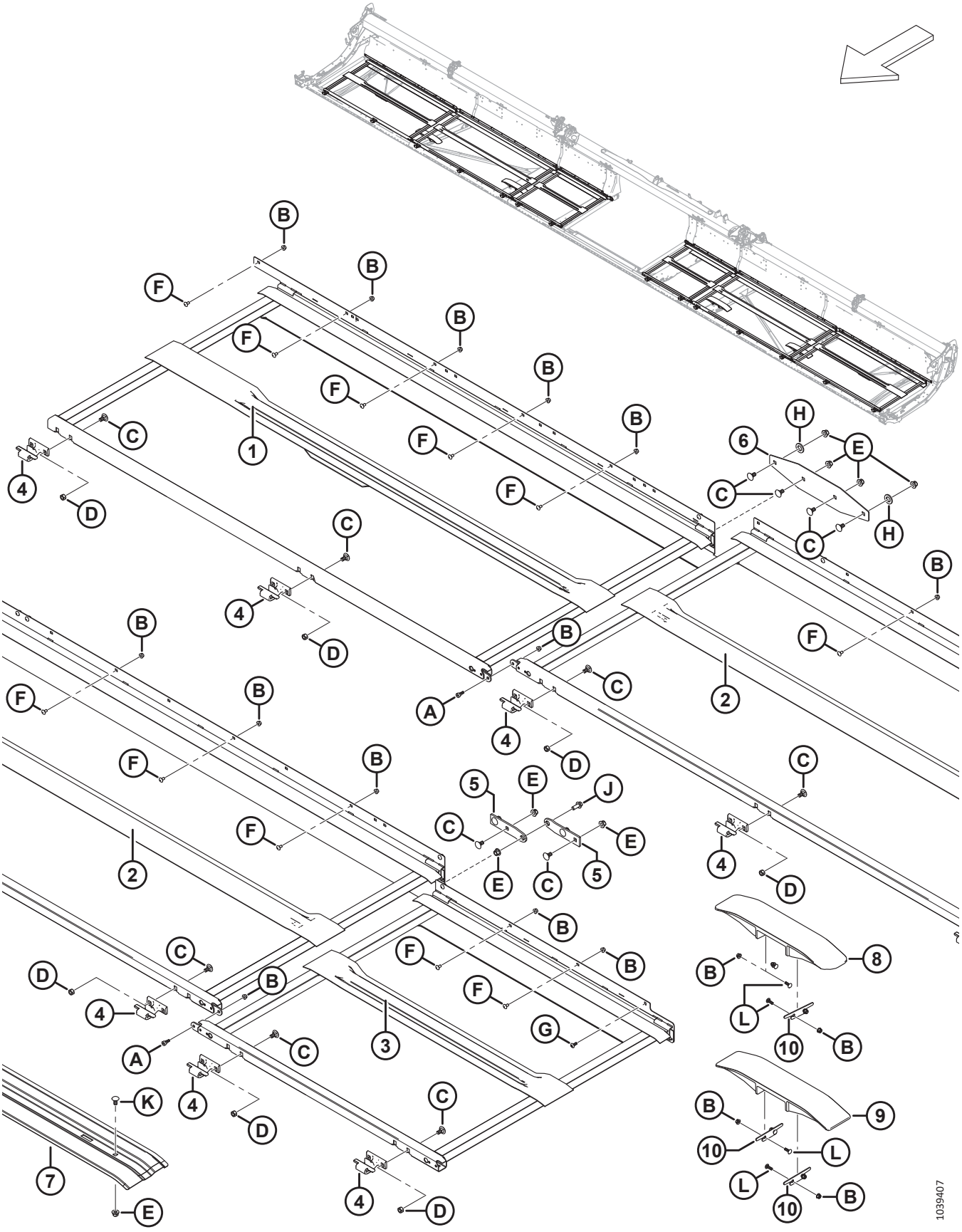
22 Draper – Decks and Tracks (FD230, FD235, FD240, and FD241)



Ref	Part Number	Description	Qty	Serial Number
1	275266	DECK WELDT – 30 FT RH FLEX	1	
	275265	DECK WELDT – 30 FT LH FLEX	1	
	275505	DECK WELDT – 35 FT RH FLEX	1	
	275504	DECK WELDT – 35 FT LH FLEX	1	
	275199	DECK WELDT – 40 FT RH FLEX	1	
	275200	DECK WELDT – 40 FT LH FLEX	1	
	275514	DECK WELDT – 41 FT RH FLEX	1	
	275513	DECK WELDT – 41 FT LH FLEX	1	
2	319225	CASTING – DECK FRONT HOOK [53]		
3	319376	SUPPORT – LOWER DRAPER TRACK (LH FD230, FD235 ONLY) [54]	A/R	–451189
	319378	SUPPORT – LOWER DRAPER TRACK (LH FD240, FD241 ONLY) [54]	A/R	–451189
	319228	SUPPORT – LOWER DRAPER TRACK (RH FD230 ONLY) [54]	A/R	–451189
	319377	SUPPORT – LOWER DRAPER TRACK (RH FD235, FD240, FD241 ONLY) [54]	A/R	–451189
4	360151	TRACK – ANGLED PLASTIC	1	451190–
5	340841	TRACK – STANDARD PLASTIC [55]		451190–
	360150	TRACK – SHORT PLASTIC (FD230 ONLY) [56]		451190–
6	340681	SHIM – DRAPER TRACK	6	451190–
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
G	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
H	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
J	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		

53. Quantities: FD230 = 8, FD235 = 10, FD240 = 10, and FD241 = 10.
54. Service part only for model year 2022 and prior headers.
55. Quantities: FD230 = 1, FD235 = 3, FD240 = 3, and FD241 = 3.
56. Short plastic tracks are used on the inboard header frame legs for FD230 headers only. Quantities: FD230 = 2.

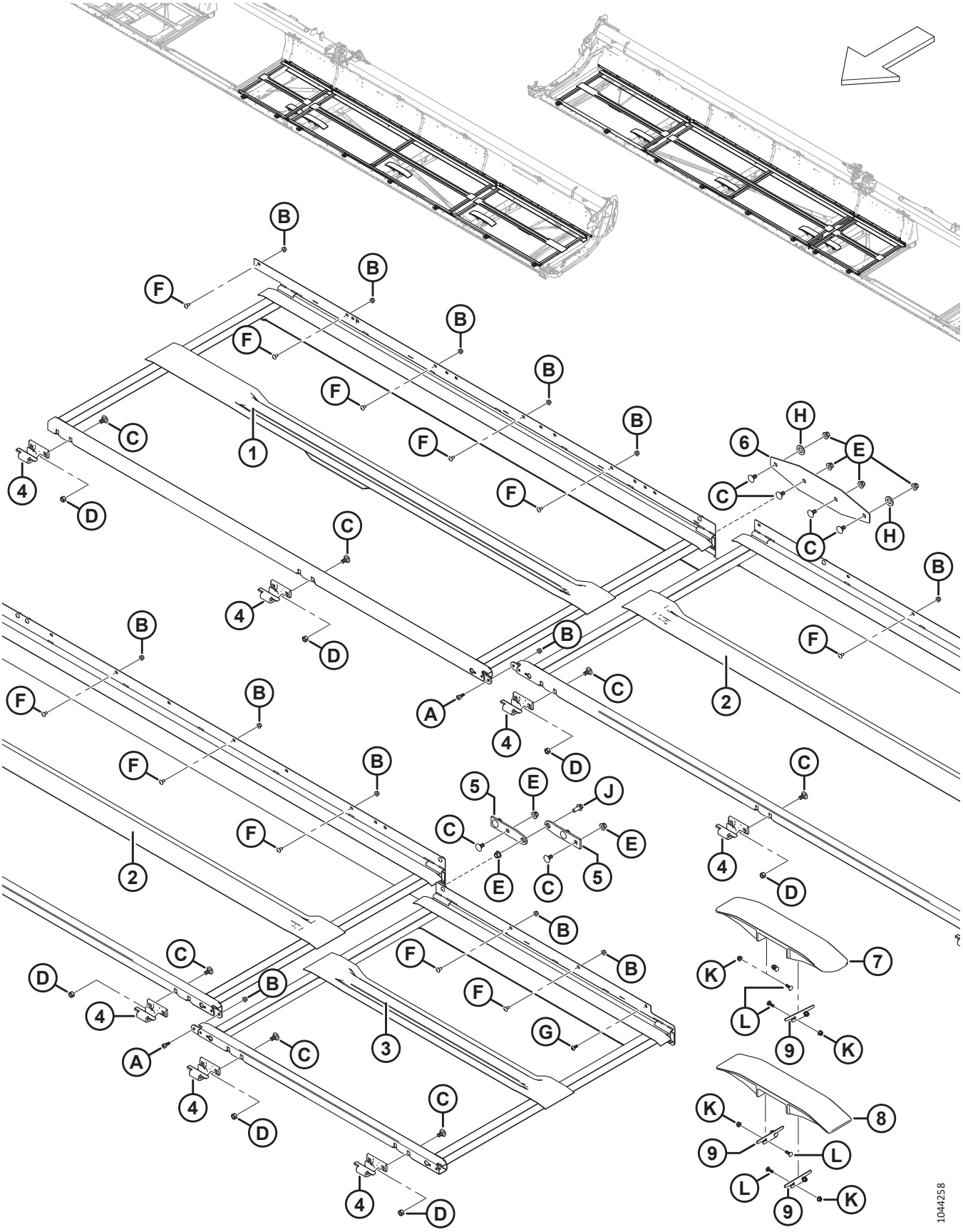
23 Draper – Decks and Tracks (FD245 and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	275770	DECK WELDT – RH OUTBOARD	1	
	275960	DECK WELDT – LH OUTBOARD	1	
2	275779	DECK WELDT – 45 FT MIDDLE	2	
	275954	DECK WELDT – 50 FT MIDDLE	2	
3	275641	DECK WELDT – RH INBOARD	1	
	275640	DECK WELDT – LH INBOARD	1	
4	319225	CASTING – DECK FRONT HOOK	14	
5	275688	HINGE – WIDE FRAME DECK	4	
6	275690	PLATE – DECK FRAME JOINT	2	
7	319377	SUPPORT – DRAPER TRACK (RH FD245) [57]	A/R	–451189
	319378	SUPPORT – DRAPER TRACK (LH FD245) [58]	A/R	–451189
	319287	SUPPORT – DRAPER TRACK (FD250) [59]	A/R	–451189
8	360151	TRACK – ANGLED PLASTIC	1	451190–
9	340841	TRACK – STANDARD PLASTIC	3	451190–
10	340681	SHIM – DRAPER TRACK	6	451190–
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
G	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
H	112130	WASHER – HARD ASTM F4363/4 IN. NOM. ID AB0C		
J	148798	BOLT – HEX FLG HD M12 X 1.75 X 30-10.9-AA1J		
K	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
L	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		

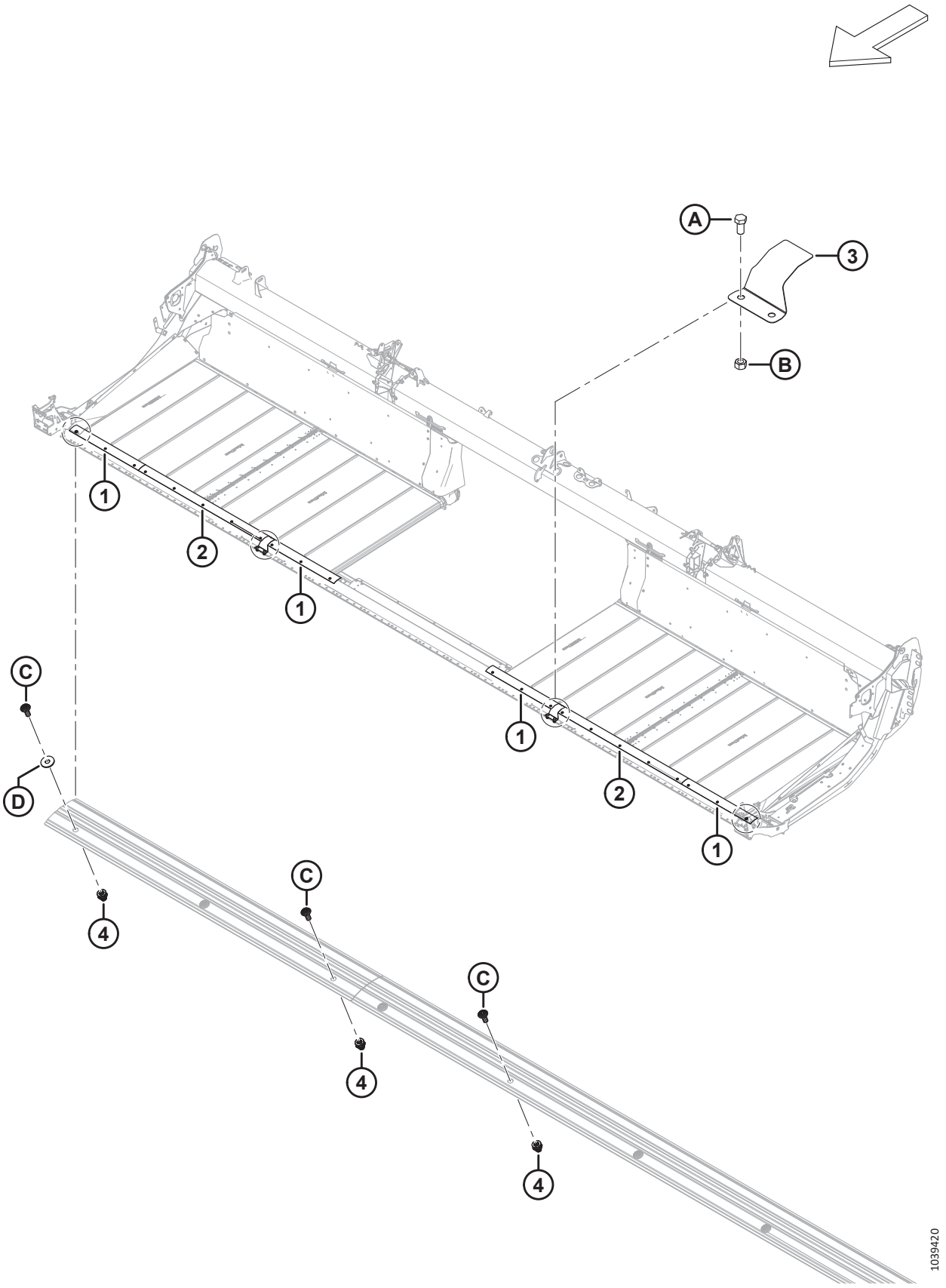
57. RH draper track support for model year 2022 and prior FD245 headers.
58. LH draper track support for model year 2022 and prior FD245 headers.
59. RH and LH draper track support for model year 2022 and prior FD250 headers.

24 Draper – Decks and Tracks (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	275770	DECK WELDT – RH OUTBOARD	1	
	275960	DECK WELDT – LH OUTBOARD	1	
2	319738	DECK WELDT – 61 FT MIDDLE	2	
3	275641	DECK WELDT – RH INBOARD	1	
	275640	DECK WELDT – LH INBOARD	1	
4	319225	CASTING – DECK FRONT HOOK	16	
5	275688	HINGE – WIDE FRAME DECK	4	
6	275690	PLATE – DECK FRAME JOINT	2	
7	360150	TRACK – SHORT PLASTIC	2	
8	340841	TRACK – STANDARD PLASTIC	6	
9	340681	SHIM – DRAPER TRACK	12	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	152863	NUT – HEX FLG STVR LK M8 X 1.25-10-ZINC		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
G	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
H	112130	WASHER – HARD ASTM F4363/4 IN. NOM. ID AB0C		
J	148798	BOLT – HEX FLG HD M12 X 1.75 X 30-10.9-AA1J		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		

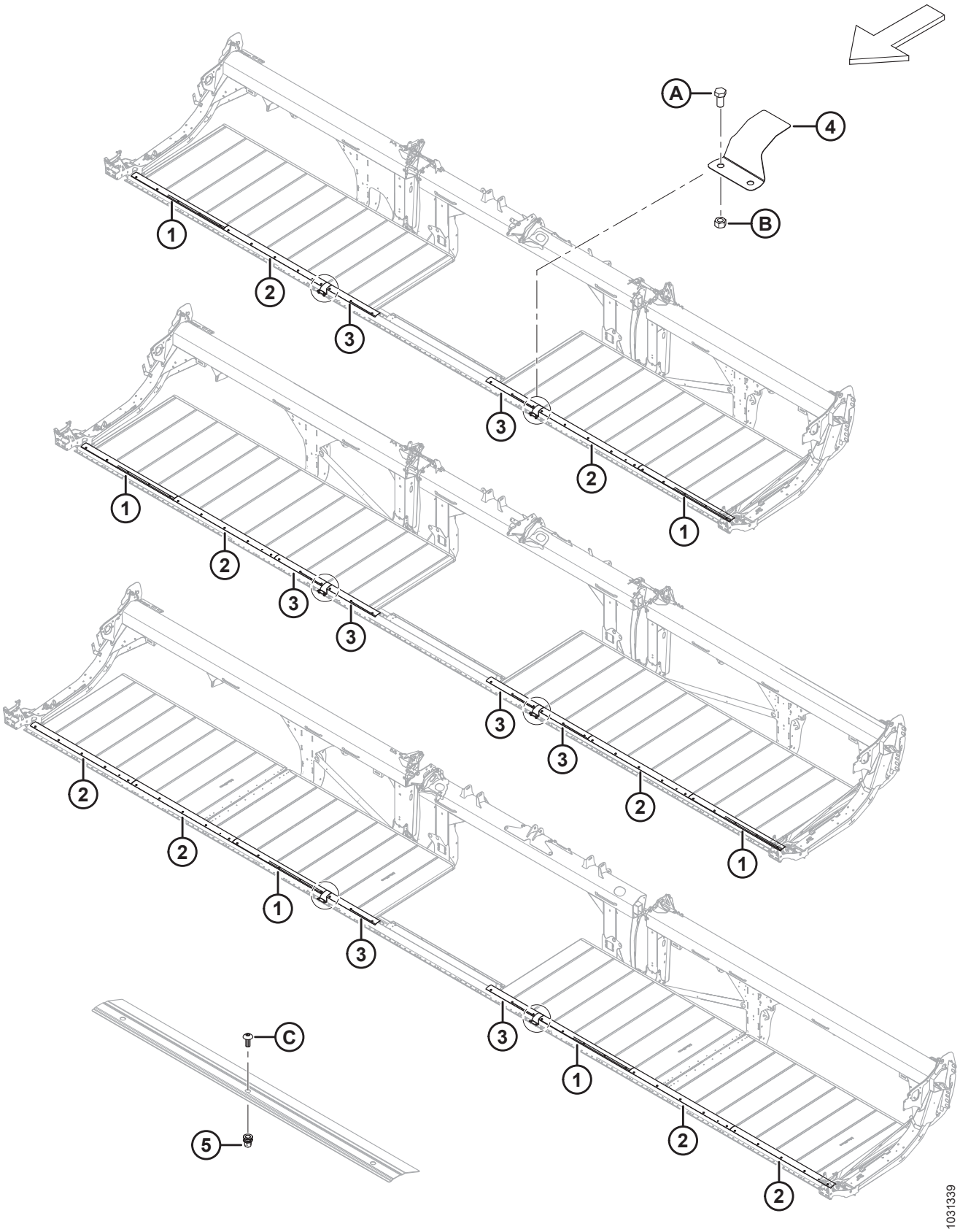
25 Draper – Seals (FD225)



DRAPER – SEALS (FD225)

Ref	Part Number	Description	Qty	Serial Number
1	319231	PLATE – CUTTERBAR SEAL	2	
2	319229	PLATE – CUTTERBAR SEAL	4	
3	319180	COVER – CUTTERBAR HINGE	2	
4	320448	RIVNUT – M8 X 1.25 HEX	22	
A	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
B	184694	NUT – HEX M12 X 1.75-8-AA1J		
C	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
D	184709	WASHER – FLAT LARGE M8-200HV		

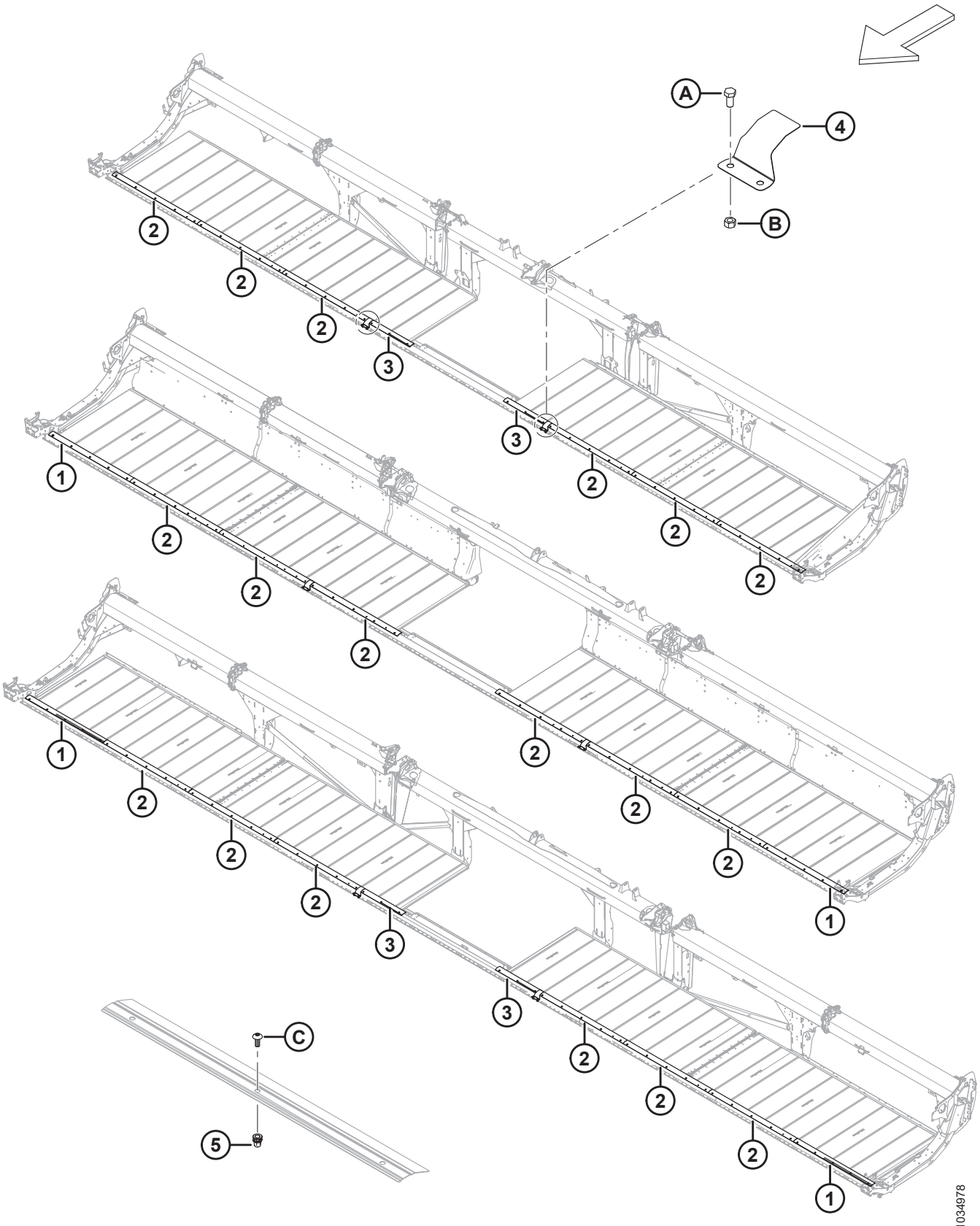
26 Draper – Seals (FD230, FD235, and FD240)



Ref	Part Number	Description	Qty	Serial Number
1	319231	PLATE – CUTTERBAR SEAL [60]		
2	319230	PLATE – CUTTERBAR SEAL [61]		
3	319229	PLATE – CUTTERBAR SEAL [62]		
4	319180	COVER – CUTTERBAR HINGE	2	
5	320448	RIVNUT – M8 X 1.25 HEX [63]		
A	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
B	184694	NUT – HEX M12 X 1.75-8-AA1J		
C	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		

60. Quantities: FD230 = 2, FD235 = 2, and FD240 = 2.
61. Quantities: FD230 = 2, FD235 = 2, and FD240 = 4.
62. Quantities: FD230 = 2, FD235 = 4, and FD240 = 2.
63. Quantities: FD230 = 26, FD235 = 32, and FD240 = 36.

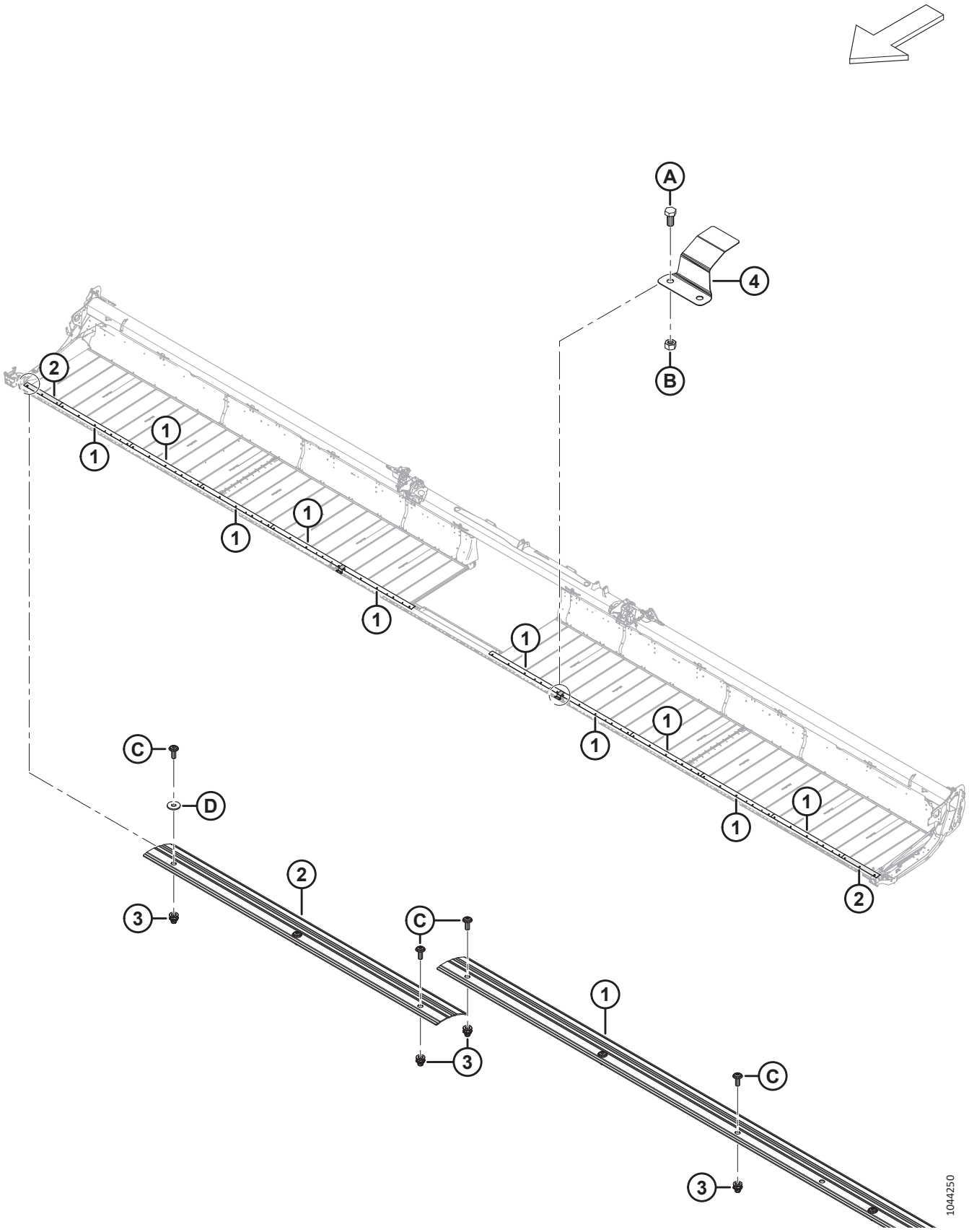
27 Draper – Seals (FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	319231	PLATE – CUTTERBAR SEAL [64]		
2	319230	PLATE – CUTTERBAR SEAL [65]		
3	319229	PLATE – CUTTERBAR SEAL [66]		
4	319180	COVER – CUTTERBAR HINGE	2	
5	320448	RIVNUT – M8 X 1.25 HEX [67]		
A	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
B	184694	NUT – HEX M12 X 1.75-8-AA1J		
C	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		

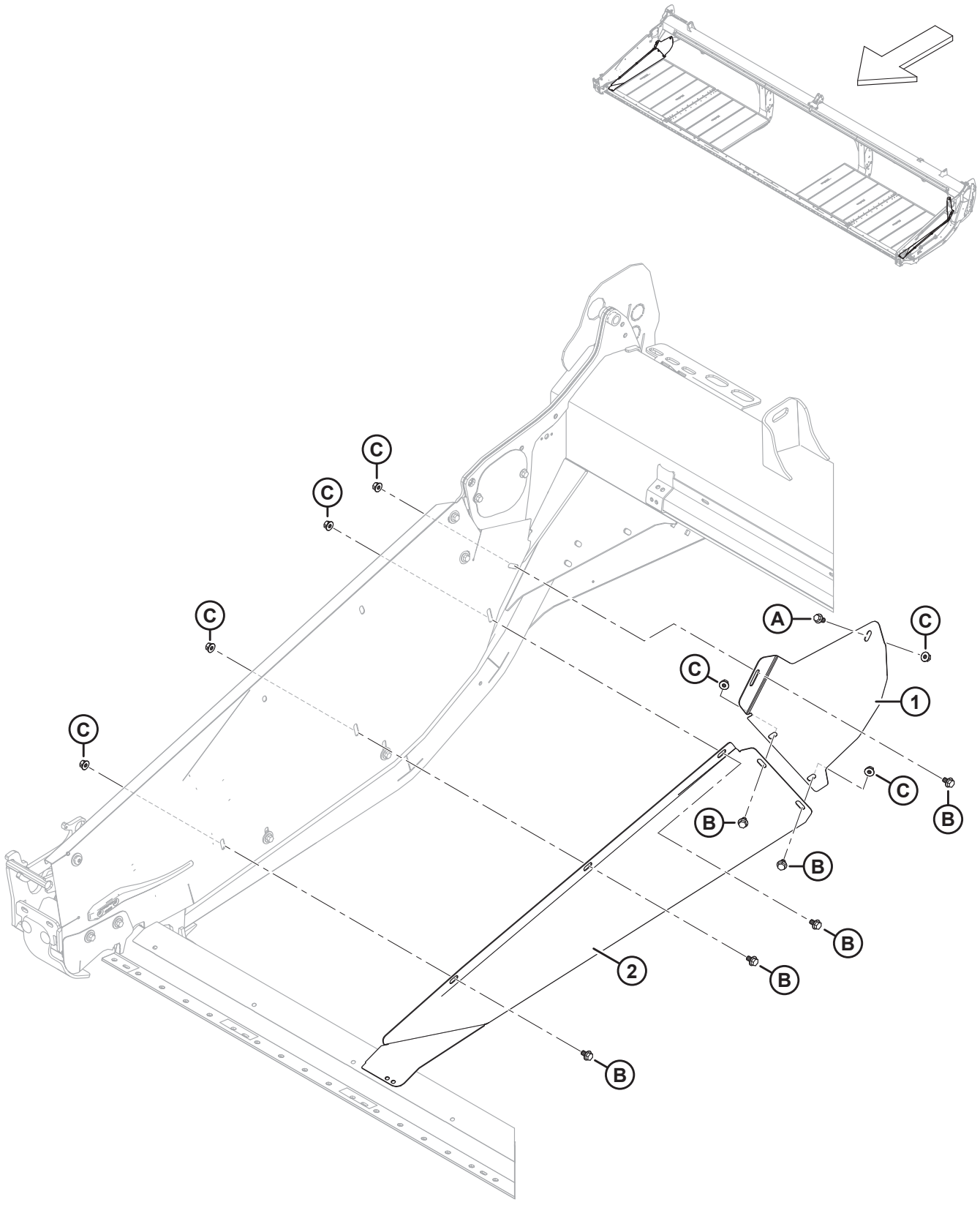
64. Quantities: FD241 = 0, FD245 = 2, and FD250 = 2.
65. Quantities: FD241 = 6, FD245 = 6, and FD250 = 6.
66. Quantities: FD241 = 2, FD245 = 0, and FD250 = 2.
67. Quantities: FD241 = 36, FD245 = 40, and FD250 = 46.

28 Draper – Seals (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	**319230**	**PLATE – CBAR SEAL MIDDLE**	**10**	
2	**319229**	**PLATE – CBAR SEAL INCREMENTAL**	**2**	
3	**320448**	**RIVNUT – M8 X 1.25 HEX**	**56**	
4	**319846**	**COVER – CUTTERBAR HINGE**	**2**	
A	**50155**	**BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J**		
B	**184694**	**NUT – HEX M12 X 1.75-8-AA1J**		
C	**320190**	**SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC**		
D	**184709**	**WASHER – FLAT LARGE M8-200HV**		

29 Draper Deflectors – Narrow

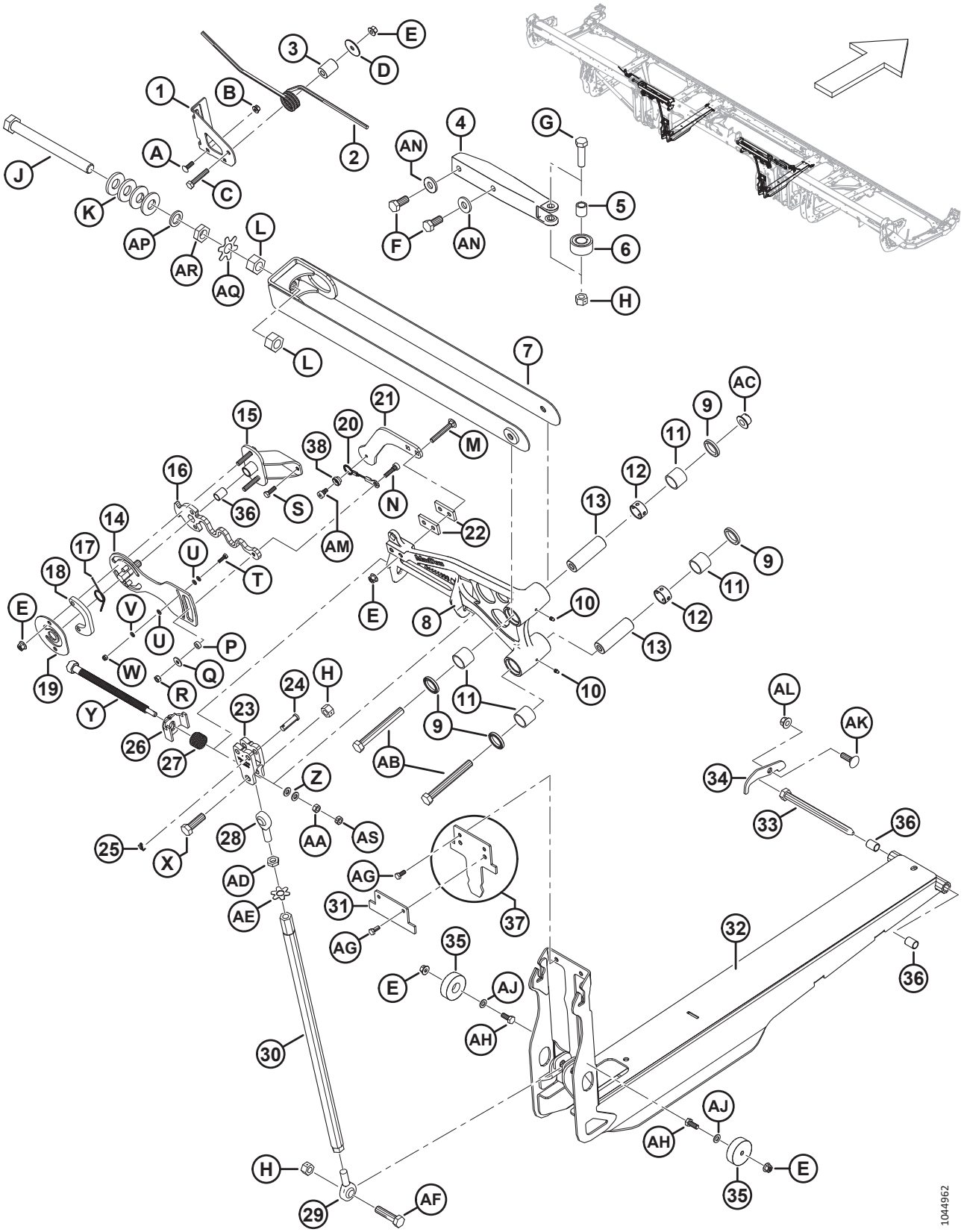


DRAPER DEFLECTORS – NARROW

Ref	Part Number	Description	Qty	Serial Number
1	289357	DEFLECTOR – RH NARROW REAR (2023 AND PRIOR) [68]	1	–486189
	289347	DEFLECTOR – LH NARROW REAR (2023 AND PRIOR) [68]	1	–486189
	360755	DEFLECTOR – RH NARROW REAR (2024 AND LATER) [69]	1	486190–
	360754	DEFLECTOR – LH NARROW REAR (2024 AND LATER) [69]	1	486190–
2	289356	DEFLECTOR – RH NARROW FRONT (2023 AND PRIOR) [68]	1	–486189
	289346	DEFLECTOR – LH NARROW FRONT (2023 AND PRIOR) [68]	1	–486189
	360521	DEFLECTOR – RH NARROW FRONT (2024 AND LATER) [69]	1	486190–
	360520	DEFLECTOR – LH NARROW FRONT (2024 AND LATER) [69]	1	486190–
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

68. Service part only for model year 2023 and prior headers.
69. Service part only for model year 2024 and later headers.

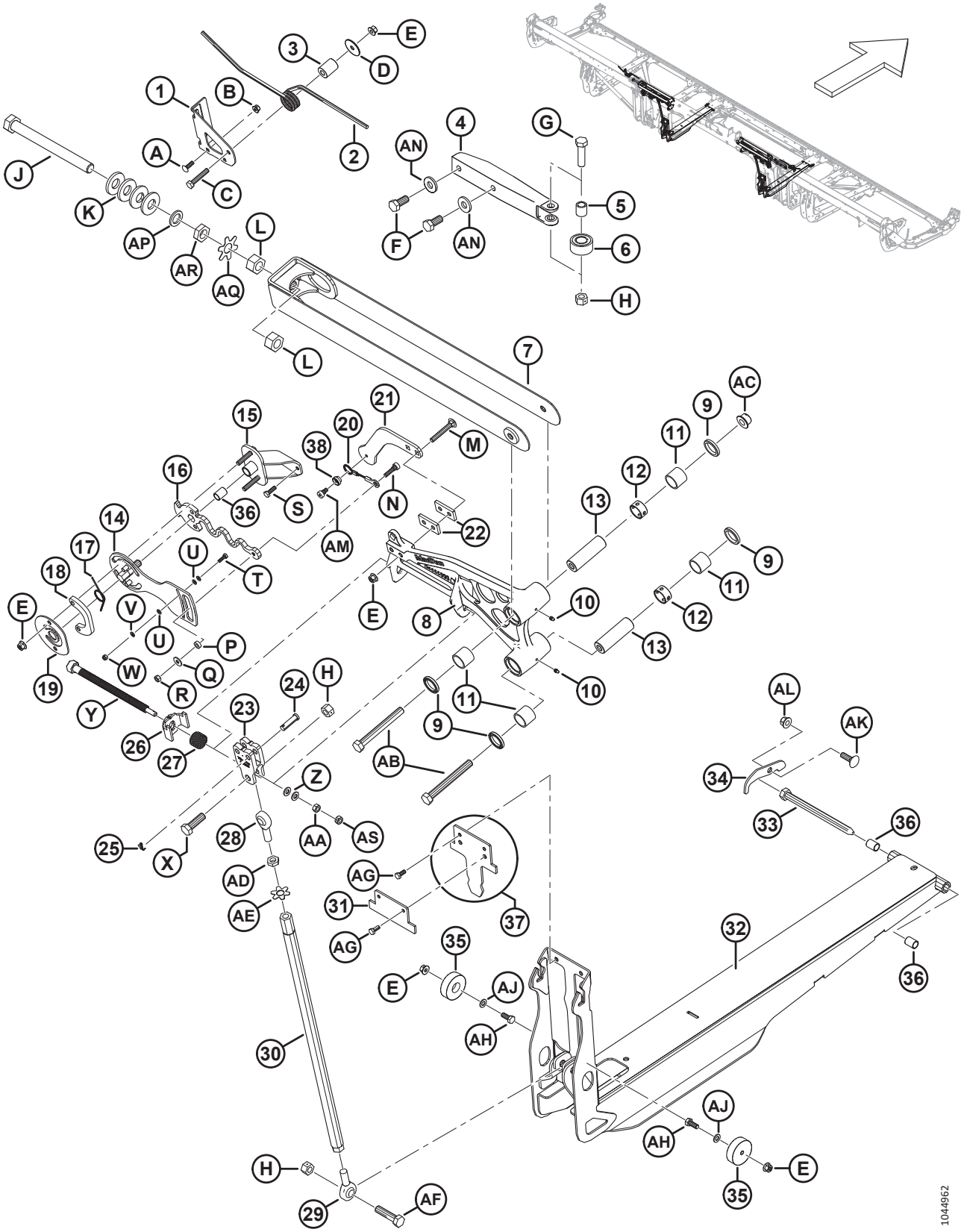
30 Balance Linkage (FD225, FD230, FD235, FD240, FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	258740	BRACKET – BOLT ON WING LOCK	2	
2	258582	SPRING – WING LOCK	2	
3	258585	SPACER – WING LOCK	2	
4	258627	CASTING – WING STABILIZER MACH	2	
5	229340	BUSHING – WING STABILIZER	2	
6	258041	BEARING – CAM FOLLOWER	2	
7	319508	SUPPORT – TOP LINK WELDT (FD225–FD241) [70]	2	
	258346	SUPPORT – TOP LINK WELDT (FD230–FD241) [71]	2	
	319509	SUPPORT – WIDE TOP LINK WELDT (FD245–FD250) [72]	2	
	258399	SUPPORT – WIDE TOP LINK WELDT (FD245–FD250) [73]	2	
8	335851	BELLCRANK – 25 FT SUB ASSY [74]	2	
	258850	BELLCRANK – 30 FT SUB ASSY [74]	2	
	258849	BELLCRANK – **RH** 35 FT SUB ASSY [74]	**1**	
	340835	**BELLCRANK – LH 35 FT SUB ASSY** [74]	**1**	
	258829	BELLCRANK – 40 FT DR SUB ASSY [74]	2	
	258831	BELLCRANK – LH 41 FT SUB ASSY [74]	1	
	258829	BELLCRANK – RH 41 FT SUB ASSY [74]	1	
	258953	BELLCRANK – 40 FT TR SUB ASSY [74]	2	
	258963	**BELLCRANK – 45 FT SUB ASSY** [74]	**2**	
	258901	BELLCRANK – 50 FT SUB ASSY [74]	2	
9	113222	SEAL	8	
10	18671	FITTING – LUBE 1/4 - 28 UNF	4	
11	100500	BEARING – NEEDLE	8	
12	258481	SPACER – BELL CRANK	4	
13	258298	PIN – BELL CRANK	4	
14	258815	PLATE WELDT – FLEX CHECKER	2	
15	258757	ASSY – FLEX CHECKER PIVOT [75]	2	
16	258817	SPRING – FLEX CHECKER	2	
17	258940	SPRING – FLEX ADJUSTER	2	
18	258823	PLATE – FLEX CHECKER SPACER	2	
19	258822	PLATE – FLEX CHECKER RETAINER	2	
20	258986	CABLE – FLEX CHECKER	2	
21	258622	BRACKET – FLEX MEASUREMENT	2	
22	340897	PLATE – FLEX CHECKER SPACER	4	
23	258384	CLEVIS – MACHINED FLEX ADJUSTER	2	
24	184977	PIN – CLEVIS 1/2 IN X 1 3/4 IN ZP	4	
25	18605	PIN – COTTER 1/8 DIA X 1 ZP	4	
26	258761	WELDT – FLEX ADJUSTMENT LOCK	2	

70. For FD225, and model year 2022 and later FD230–FD241 headers only.
71. For model year 2021 and prior FD230–FD241 headers only.
72. For model year 2022 and later FD245–FD250 headers only.
73. For model year 2021 and prior FD245–FD250 headers only.
74. Includes four seals (MD #113222), two lube fittings (MD #18671), four needle bearings (MD #100500), and two bell crank spacers (MD #258481).
75. Includes bushing (MD #258391).

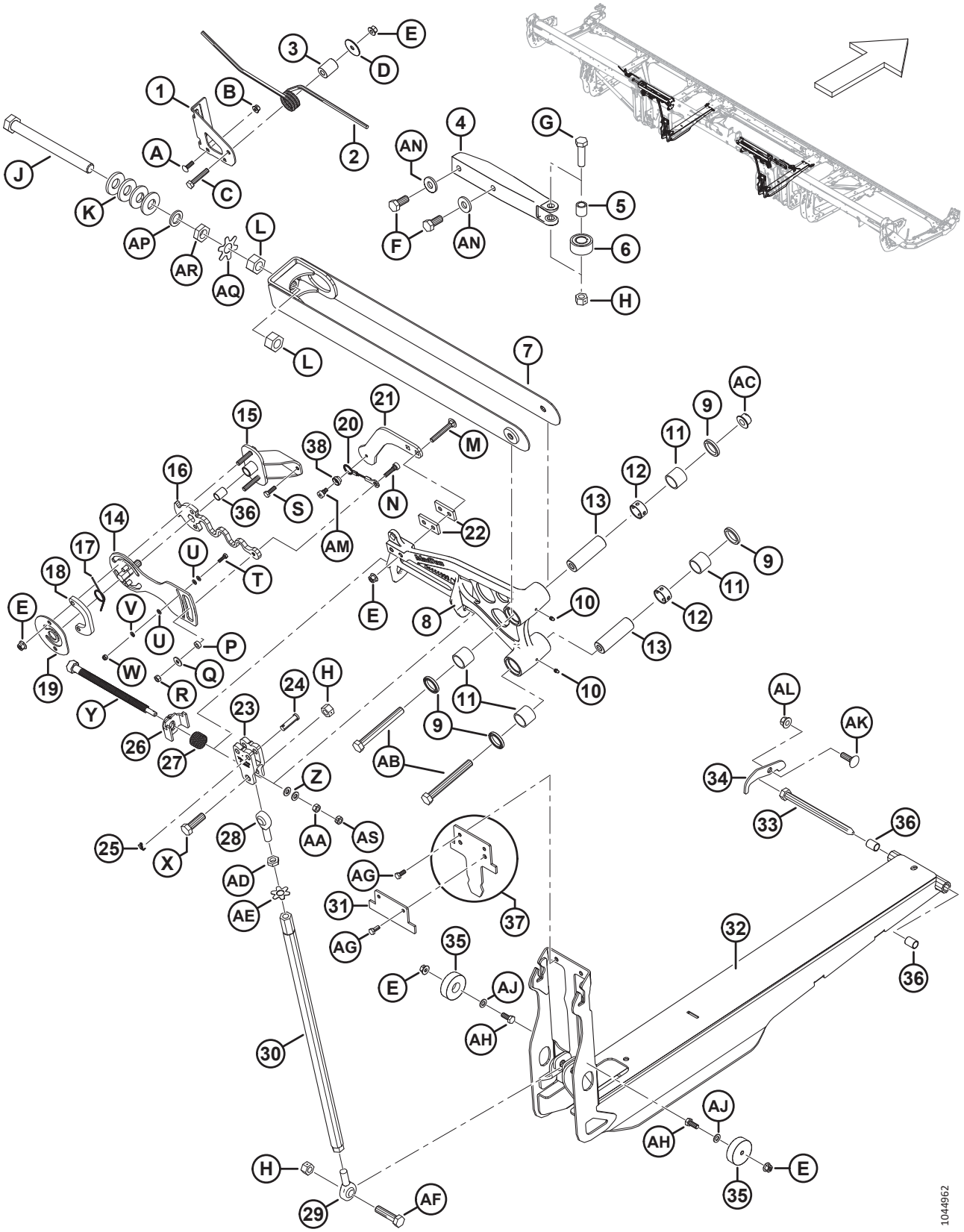
BALANCE LINKAGE (FD225, FD230, FD235, FD240, FD241, FD245, AND FD250)



Ref	Part Number	Description	Qty	Serial Number
27	258373	SPRING – BELL CRANK LOCK	2	
28	320109	ROD END – LINK, RH THREAD	2	
29	320110	ROD END – LINK, LH THREAD	2	
30	319474	TUBE WELDT – COMPRESSION LINK	2	
31	340672	PLATE – 25 FT BALANCE CHAN STOP [76]	2	
	258601	PLATE – FLEX FROWN LIMITER [77]	2	
32	319542	BALANCE CHANNEL – C/W BUSHINGS	2	
33	174418	PIN – HEX HD 5/8 X 8.5 LG-AA1J	2	
34	330622	PLATE – FLEX PIN KEEPER	2	
35	258791	GUIDE – PLASTIC	4	
36	258391	BUSHING	6	
37	258990	STOP – 30 FT FLEX LIMITER W/ DECAL (FD230 ONLY) [78]	2	
	258989	DECAL – BALANCE CHANNEL		
38	258980	LOCK – FLEX CHECKING CABLE	2	
A	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152193	BOLT – HEX HD M10 X 1.5 X 55 X 8.8-AA1J		
D	258586	WASHER		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	136137	BOLT – HEX HD TFL M16 X 2 X 35-8.8-AA1J		
G	136141	BOLT – HEX HD M16 X 2 X 60-8.8-AA1J		
H	136476	NUT – HEX CTR LOC M16 X 2-8		
J	320108	BOLT – HEX HD FINE M24 X 1.5 X 250-SPCL-10.9-AA1J		
K	320236	WASHER – CONICAL SPRING, M24-FLAKE		
L	136512	NUT – HEX FINE M24 X 1.5-8-AA1J [79]		
	320486	NUT – HEX FINE M24 X 1.5-10-ZINC [79]		
M	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
N	320160	SCREW – HEX SOC HD SHLDR M10 X 7-M8 X 1.25 X 27-SPCL		
P	258846	WASHER		
Q	184709	WASHER – FLAT LARGE M8-200HV		
R	30856	NUT – HEX M8 X 1.25-9-AA1J		
S	136057	BOLT – HEX HD TFL M8 X 1.25 X 25-10.9-AA1J		
T	184646	BOLT – HEX HD TFL M6 X 1 X 20-8.8-AA1J		
U	184705	WASHER – FLAT M6-200HV-AA1J		
V	30631	WASHER – LOCK SPRING M6		
W	184685	NUT – HEX NYLOC M6 X 1-8-AA1J		
X	184681	BOLT – HEX HD M16 X 2 X 50-8.8-AA1J		
Y	320167	BOLT – HEX HD M16 X 4.0-SPCL-8.8-AA1J		

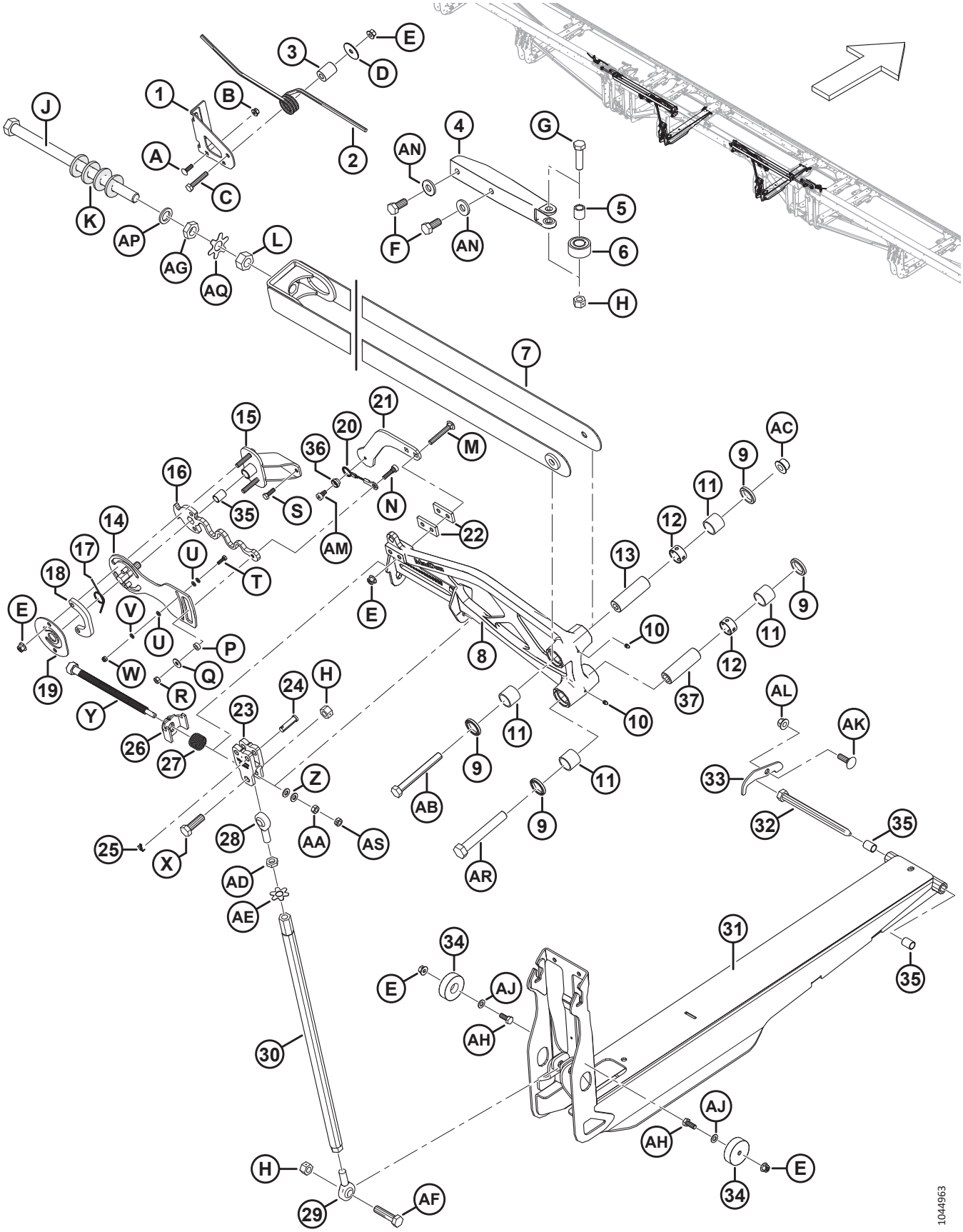
76. Plate attaches directly to balance channel (MD #319542) on FD225 headers only.
77. Plate attaches directly to balance channel (MD #319542) on FD230, FD235, and FD241 headers. Plate does not exist for triple-reel FD240, FD245, and FD250 headers.
78. Stop is only present on FD230 headers.
79. FD225 requires two Class 8 nuts (MD #136512), one per top-link; FD230–FD250 requires four Class 10 nuts (MD #320486), two per top-link.

BALANCE LINKAGE (FD225, FD230, FD235, FD240, FD241, FD245, AND FD250)



Ref	Part Number	Description	Qty	Serial Number
Z	30655	WASHER – HARD M10-340HV-AB0C		
AA	**30505**	**NUT – HEX M10 X 1.5-10-AA1J**		
AB	184677	BOLT – HEX HD M16 X 2 X 140-8.8-AA1J		
AC	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
AD	136473	NUT – HEX THIN M16 X 2-05-AA1J		
AE	229064	WASHER – M16 TAB		
AF	320199	BOLT – HEX HD M16 X 2 X 65-8.8-ZINC		
AG	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
AH	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
AJ	184711	WASHER – FLAT REG M10-200HV-AA1J		
AK	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
AL	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
AM	320161	SCREW – HEX SOC HD SHLDR M10 X 7-M8 X 1.25 X 9-SPCL		
AN	22072	WASHER – FLAT		
AP	320251	WASHER – FLAT, M24-ZINC		
AQ	360835	PLATE – WASHER TAB M24 NUT		
AR	136513	NUT – HEX THIN FINE M24 X 1.5-8-AA1J		
AS	**320206**	**NUT – HEX CTR LOC M10 X 1.5-8-ZINC**		

31 Balance Linkage (FD261)

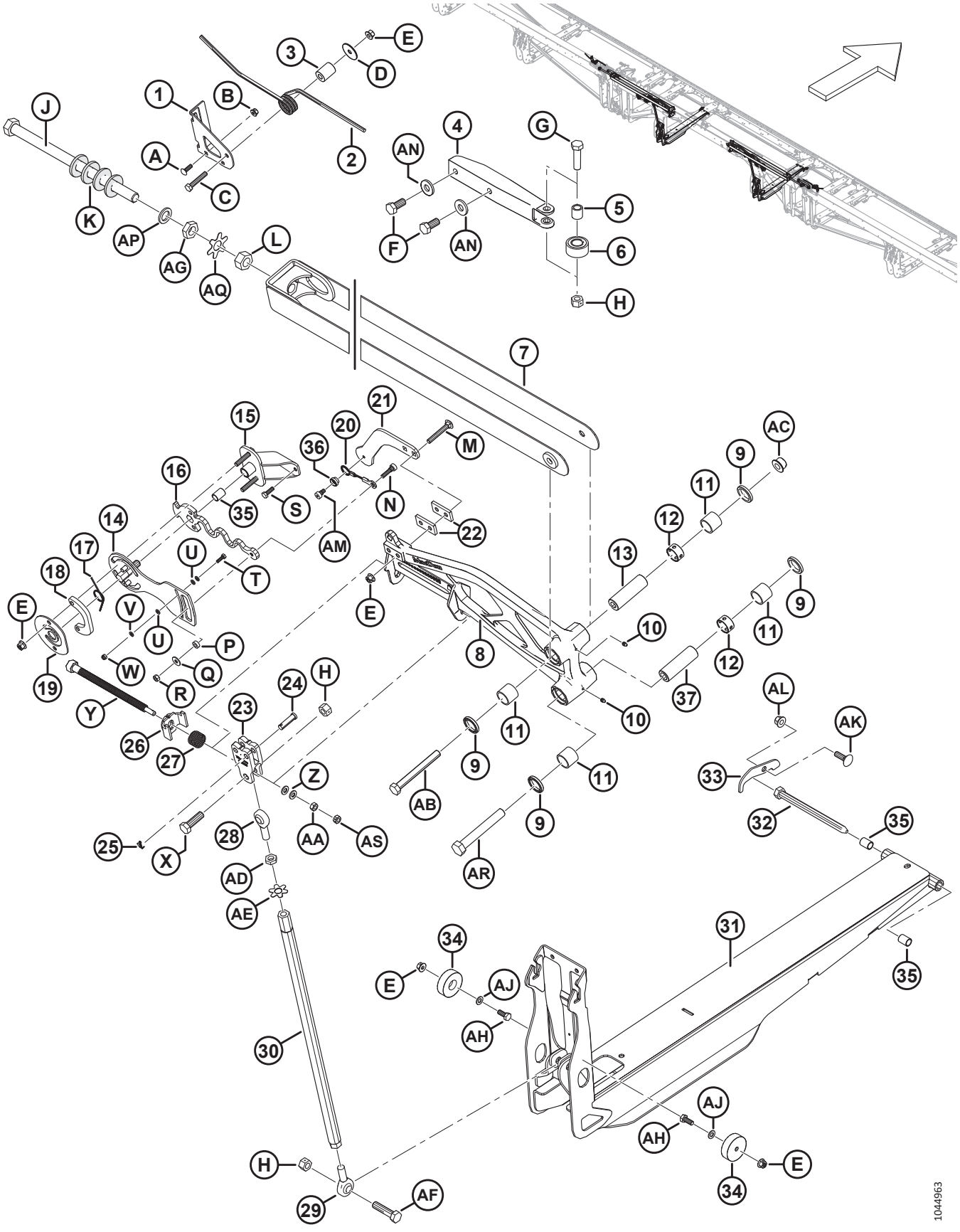


BALANCE LINKAGE (FD261)

Ref	Part Number	Description	Qty	Serial Number
1	258740	BRACKET – BOLT ON WING LOCK	2	
2	258582	SPRING – WING LOCK	2	
3	258585	SPACER – WING LOCK	2	
4	258627	CASTING – WING STABILIZER MACH	2	
5	229340	BUSHING – WING STABILIZER	2	
6	258041	BEARING – CAM FOLLOWER	2	
7	319509	SUPPORT – WIDE TOP LINK WELDT (FD261)	2	
8	261398	BELLCRANK – 61 FT SUB ASSY [80]	2	
9	113222	SEAL	8	
10	18671	FITTING – LUBE 1/4-28 UNF	4	
11	100500	BEARING – NEEDLE	8	
12	258481	SPACER – BELL CRANK	4	
13	258298	PIN – BELL CRANK [81]	2	
14	258815	PLATE WELDT – FLEX CHECKER	2	
15	258757	ASSY – FLEX CHECKER PIVOT [82]	2	
16	258817	SPRING – FLEX CHECKER	2	
17	258940	SPRING – FLEX ADJUSTER	2	
18	258823	PLATE – FLEX CHECKER SPACER	2	
19	258822	PLATE – FLEX CHECKER RETAINER	2	
20	258986	CABLE – FLEX CHECKER	2	
21	258622	BRACKET – FLEX MEASUREMENT	2	
22	340897	PLATE – FLEX CHECKER SPACER	4	
23	258384	CLEVIS – MACHINED FLEX ADJUSTER	2	
24	184977	PIN – CLEVIS 1/2 IN X 1 3/4 IN ZP	4	
25	18605	PIN – COTTER 1/8 DIA X 1 ZP	4	
26	258761	WELDT – FLEX ADJUSTMENT LOCK	2	
27	258373	SPRING – BELL CRANK LOCK	2	
28	320109	ROD END – LINK, RH THREAD	2	
29	320110	ROD END – LINK, LH THREAD	2	
30	319474	TUBE WELDT – COMPRESSION LINK	2	
31	319542	BALANCE CHANNEL – C/W BUSHINGS [83]	2	
	258989	DECAL – BALANCE CHANNEL		
32	174418	PIN – HEX HD 5/8 X 8.5 LG-AA1J	2	
33	330622	PLATE – FLEX PIN KEEPER	2	
34	258791	GUIDE – PLASTIC	4	
35	258391	BUSHING	6	
36	258980	LOCK – FLEX CHECKING CABLE	2	
37	261390	PIN – BELL CRANK [84]	2	

80. Includes four seals (MD #113222), two lube fittings (MD #18671), four needle bearings (MD #100500), and two bell crank spacers (MD #258481).
81. 16 mm inside diameter.
82. Includes bushing (MD #258391).
83. Includes two bushings (MD #258391) and balance channel decal (MD #258989).
84. 20 mm inside diameter.

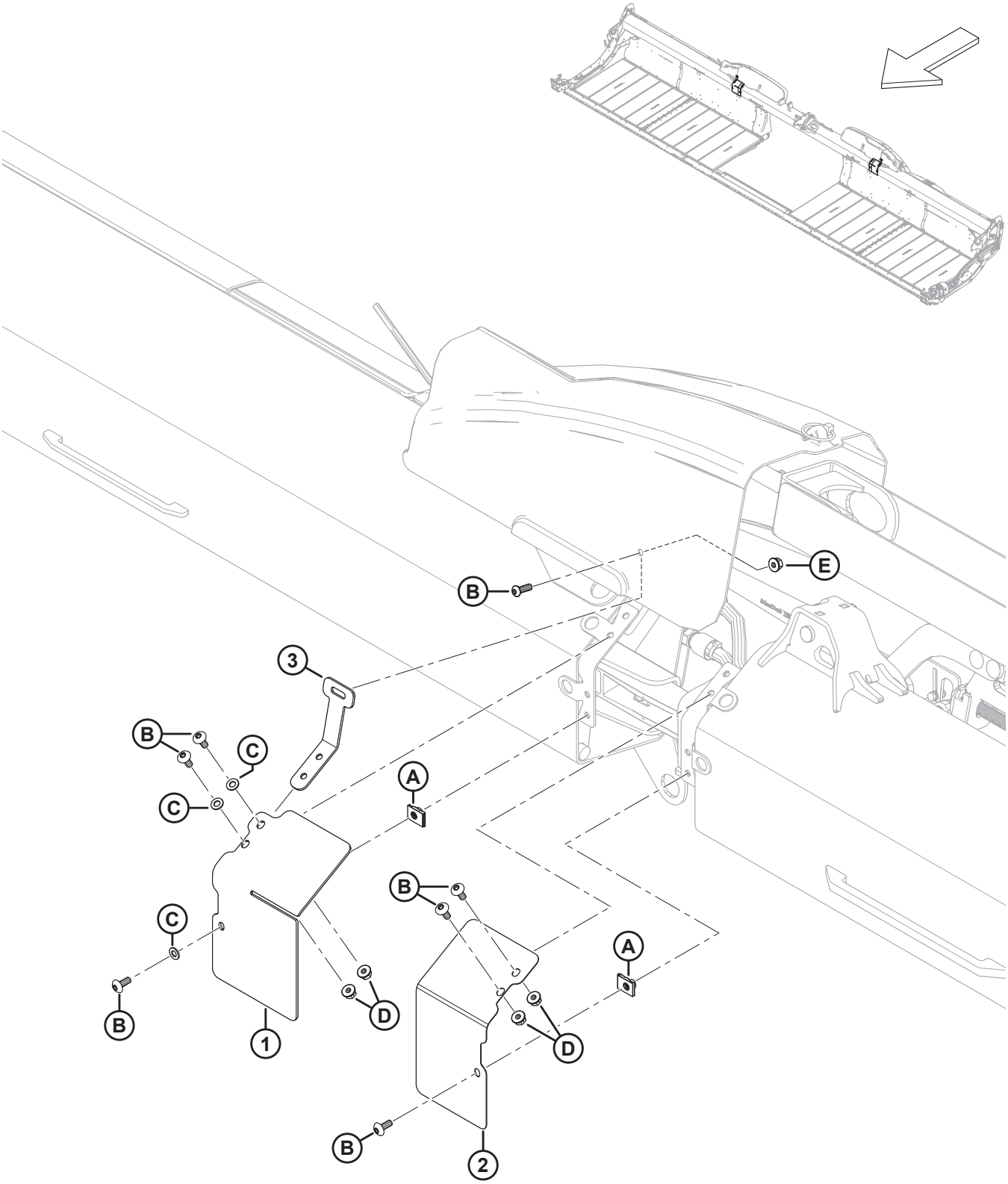
BALANCE LINKAGE (FD261)



BALANCE LINKAGE (FD261)

Ref	Part Number	Description	Qty	Serial Number
A	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152193	BOLT – HEX HD M10 X 1.5 X 55 X 8.8-AA1J		
D	258586	WASHER		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	136137	BOLT – HEX HD TFL M16 X 2 X 35-8.8-AA1J		
G	136141	BOLT – HEX HD M16 X 2 X 60-8.8-AA1J		
H	136476	NUT – HEX CTR LOC M16 X 2-8		
J	320489	BOLT – HEX HD FINE M24 X 1.5 X 400-10.9-ZINC		
K	320236	WASHER – CONICAL SPRING, M24-FLAKE		
L	136512	NUT – HEX FINE M24 X 1.5-8-AA1J		
M	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
N	320160	SCREW – HEX SOC HD SHLDR M10 X 7-M8 X 1.25 X 27-SPCL		
P	258846	WASHER		
Q	184709	WASHER – FLAT LARGE M8-200HV		
R	30856	NUT – HEX M8 X 1.25-9-AA1J		
S	136057	BOLT – HEX HD TFL M8 X 1.25 X 25-10.9-AA1J		
T	184646	BOLT – HEX HD TFL M6 X 1 X 20-8.8-AA1J		
U	184705	WASHER – FLAT M6-200HV-AA1J		
V	30631	WASHER – LOCK SPRING M6		
W	184685	NUT – HEX NYLOC M6 X 1-8-AA1J		
X	184681	BOLT – HEX HD M16 X 2 X 50-8.8-AA1J		
Y	320167	BOLT – HEX HD M16 X 4.0-SPCL-8.8-AA1J		
Z	30655	WASHER – HARD M10-340HV-AB0C		
AA	30505	NUT – HEX M10 X 1.5-10-AA1J		
AB	184677	BOLT – HEX HD M16 X 2 X 140-8.8-AA1J		
AC	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
AD	136473	NUT – HEX THIN M16 X 2-05-AA1J		
AE	229064	WASHER – M16 TAB		
AF	320199	BOLT – HEX HD M16 X 2 X 65-8.8-ZINC		
AG	136513	NUT – HEX THIN FINE M24 X 1.5-4-ZINC		
AH	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
AJ	184711	WASHER – FLAT REG M10-200HV-AA1J		
AK	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
AL	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
AM	320161	SCREW – HEX SOC HD SHLDR M10 X 7-M8 X 1.25 X 9-SPCL		
AN	22072	WASHER – FLAT		
AP	320251	WASHER – FLAT, M24-ZINC		
AQ	360835	PLATE – WASHER TAB M24 NUT		
AR	136420	BOLT – HEX HD M20 X 2.5 X 140-8.8-AA3L		
AS	320206	NUT – HEX CTR LOC M10 X 1.5-8-ZINC		

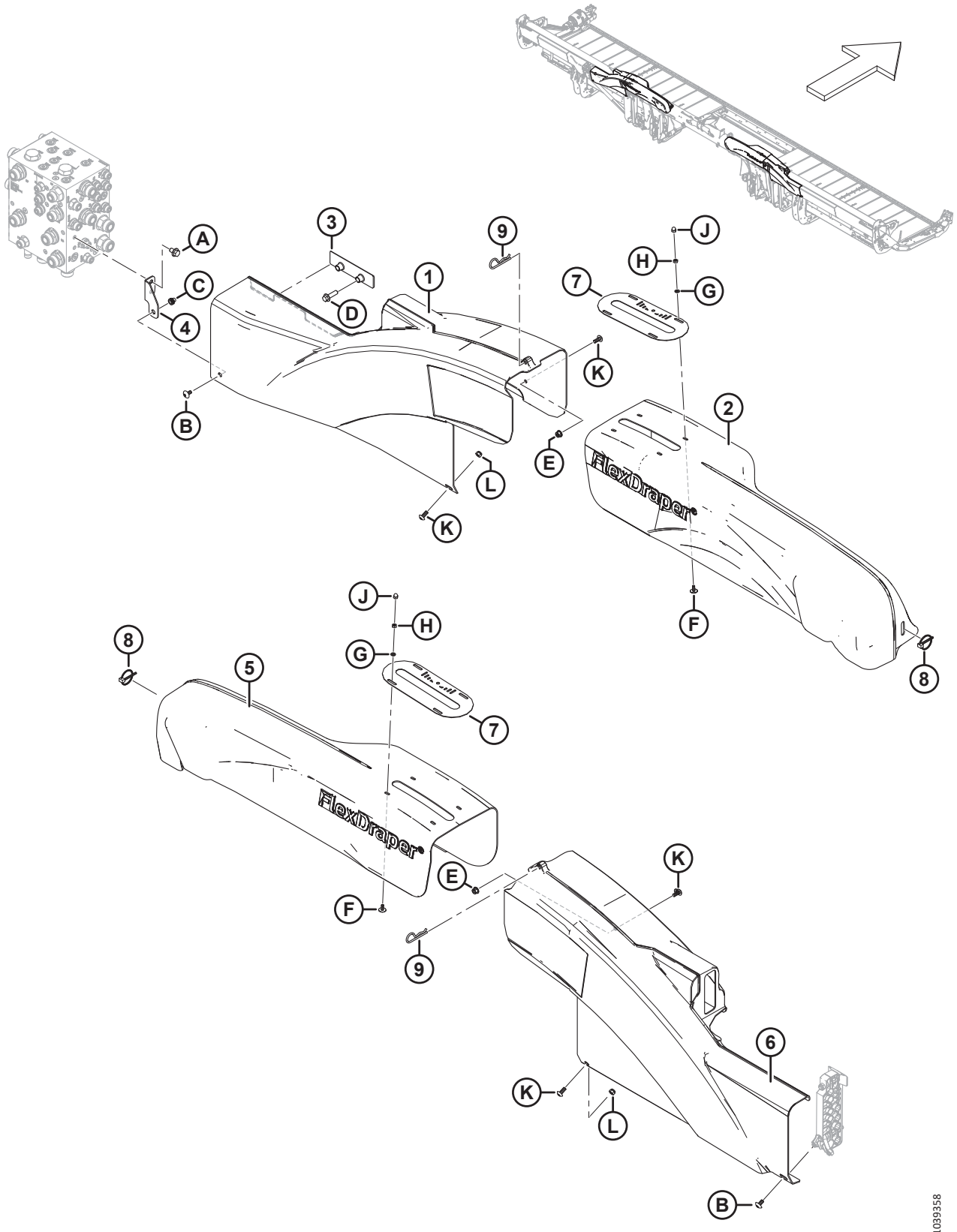
32 Flex Linkage Shield – Backtube Hinge



FLEX LINKAGE SHIELD – BACKTUBE HINGE

Ref	Part Number	Description	Qty	Serial Number
1	323086	SHIELD – FRONT TRANSITION, RH WING	1	
	323082	SHIELD – FRONT TRANSITION, LH WING	1	
2	323087	SHIELD – FRONT TRANSITION, RH WING	1	
	323083	SHIELD – FRONT TRANSITION, LH WING	1	
3	258837	BRACKET – FLEX WING SHIELD	2	
A	252839	NUT – CLIP ON M8		
B	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
C	184708	WASHER – FLAT M8-200HV-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

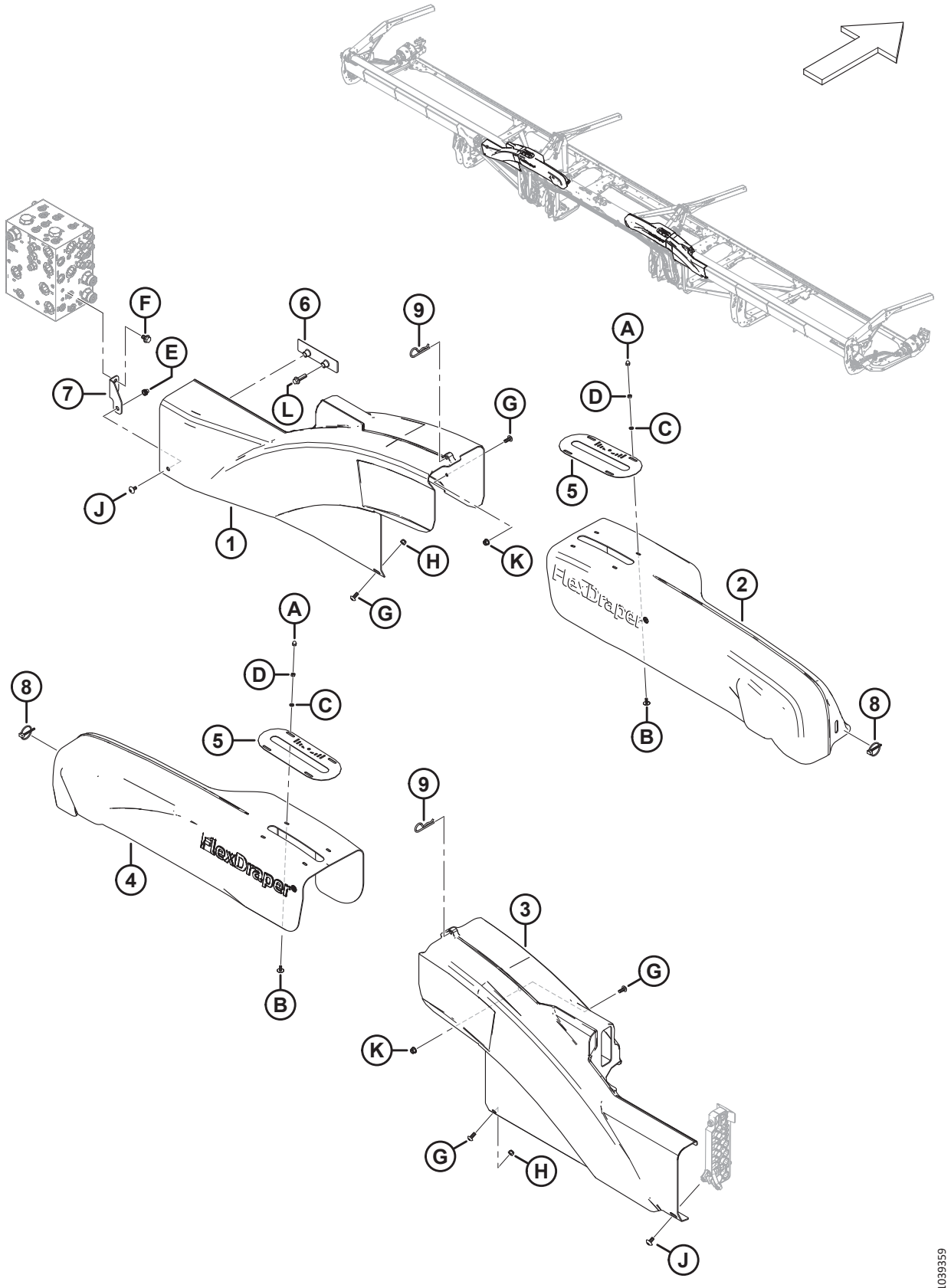
33 Flex Linkage Shield – Single Reel (FD225) and Double Reel (FD230, FD235, FD240, and FD241)



Ref	Part Number	Description	Qty	Serial Number
1	323032	SHIELD – LH WING	1	
2	258997	SHIELD – LH NF DR BELLCRANK	1	
3	283849	BRACKET – HYD COVER SUPPORT	1	
4	323773	ASSY – RH SHIELD BRACKET [85]	1	
5	258998	SHIELD – RH NF DR BELLCRANK	1	
6	323051	SHIELD – RH WING	1	
7	360299	GAUGE – FLEX POSITION	2	
8	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	2	
9	13125	PIN – HAIR	2	
A	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
B	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T		
C	320448	RIVNUT – M8 X 1.25 HEX		
D	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
E	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
F	320148	SCREW – TRUSS SLT HD M6 X 1.0 X 16-SPCL-8.8-ZINC		
G	184705	WASHER – FLAT M6-200HV-AA1J		
H	184683	NUT – HEX ISO 4032 M6 X 1-8-ZINC		
J	320246	NUT – ACORN M6 X 1.0-8-ZINC		
K	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
L	184688	NUT – HEX NYLOC M8 X 1.25-8-AA1J		

85. The assembly includes one RH shield mounting bracket (NSS) and one rivnut (MD #320448). Model year 2022 and prior machines with superseded bracket (MD #283704) used an M10 bolt (MD #152655) and nyloc nuts (MD #252807) to secure the LH wing shield to the shield bracket. For model year 2023 and later machines, or for machines that have been serviced with shield bracket assembly (MD #323773), order an M8 screw (MD #320336).

34 Flex Linkage Shield – Triple Reel (FD240)

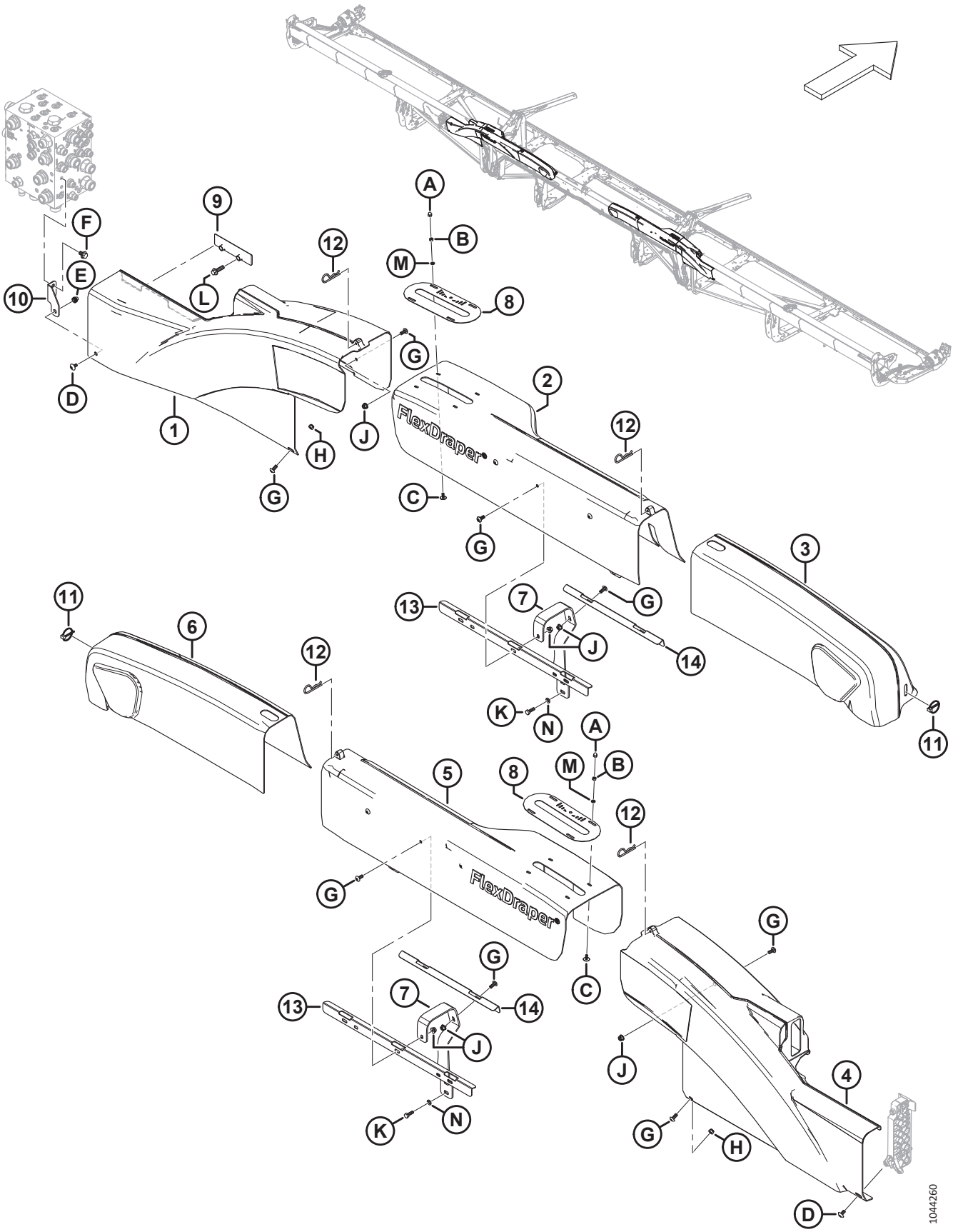


FLEX LINKAGE SHIELD – TRIPLE REEL (FD240)

Ref	Part Number	Description	Qty	Serial Number
1	323032	SHIELD – LH WING	1	
2	323157	SHIELD – LH NF TR BELLCRANK	1	
3	323051	SHIELD – RH WING	1	
4	323158	SHIELD – RH NF TR BELLCRANK	1	
5	360299	GAUGE – FLEX POSITION	2	
6	283849	BRACKET – HYD COVER SUPPORT	1	
7	323773	ASSY – RH SHIELD BRACKET [86]	1	
8	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	2	
9	13125	PIN – HAIR	2	
A	320246	NUT – ACORN M6 X 1.0-8-ZINC		
B	320148	SCREW – TRUSS SLT HD M6 X 1.0 X 16-SPCL-8.8-ZINC		
C	184705	WASHER – FLAT M6-200HV-AA1J		
D	184683	NUT – HEX ISO 4032 M6 X 1-8-ZINC		
E	320448	RIVNUT – M8 X 1.25 HEX		
F	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
G	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
H	184688	NUT – HEX NYLOC M8 X 1.25-8-AA1J		
J	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		

86. The assembly includes one RH shield mounting bracket (NSS) and one rivnut (MD #320448). Model year 2022 and prior machines with superseded bracket (MD #283704) used an M10 bolt (MD #152655) and nyloc nuts (MD #252807) to secure the LH wing shield to the shield bracket. For model year 2023 and later machines, or for machines that have been serviced with shield bracket assembly (MD #323773), order an M8 screw (MD #320336).

35 Flex Linkage Shield – Triple Reel (FD245 and FD250)

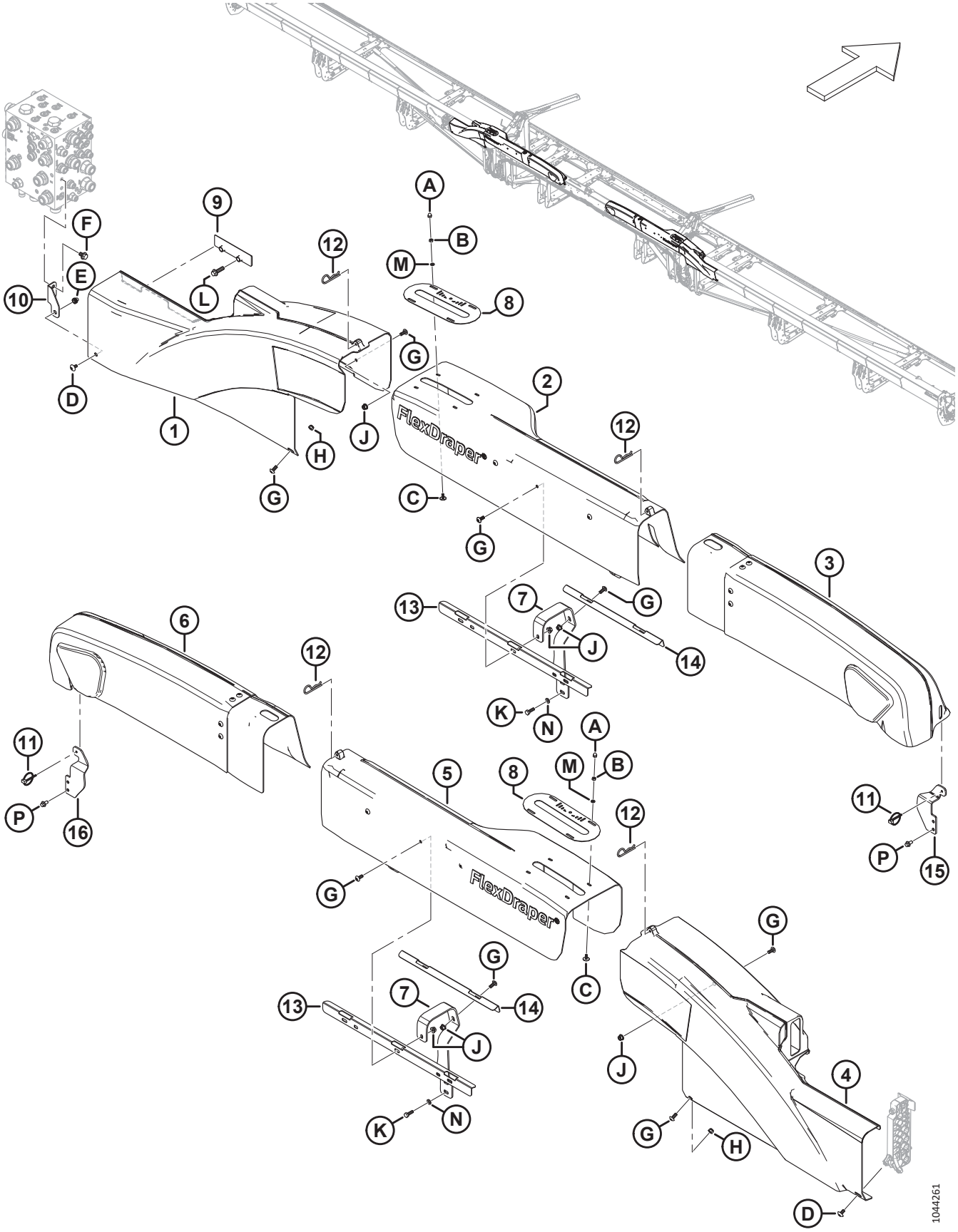


FLEX LINKAGE SHIELD – TRIPLE REEL (FD245 AND FD250)

Ref	Part Number	Description	Qty	Serial Number
1	323032	SHIELD – LH WING	1	
2	319563	SHIELD – WF TR LH FLEX LINKAGE	1	
3	258893	SHIELD – TR LH FLEX LINKAGE	1	
4	323051	SHIELD – RH WING	1	
5	319564	SHIELD – WF TR RH FLEX LINKAGE	1	
6	258932	SHIELD – TR RH FLEX LINKAGE	1	
7	319550	BRACKET – LINKAGE SHIELD	4	
8	360299	GAUGE – FLEX POSITION	2	
9	283849	BRACKET – HYD COVER SUPPORT	1	
10	323773	ASSY – RH SHIELD BRACKET [87]	1	
11	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	2	
12	13125	PIN – HAIR	4	
13	319548	BRACE – TR SHIELDS	2	
14	319549	BRACE – TR SHIELDS FRONT	2	
A	320246	NUT – ACORN M6 X 1.0-8-ZINC		
B	184683	NUT – HEX ISO 4032 M6 X 1-8-AA1J		
C	320148	SCREW – TRUSS SLT HD M6 X 1.0 X 16-SPCL-8.8-ZINC		
D	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T		
E	320448	RIVNUT – M8 X 1.25 HEX		
F	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
G	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
H	184688	NUT – HEX NYLOC M8 X 1.25-8-AA1J		
J	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
K	136057	BOLT – HEX HD TFL M8 X 1.25 X 25-10.9-AA1J		
L	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
M	184705	WASHER – FLAT M6-200HV-AA1J		
N	184708	WASHER – FLAT M8-200HV-AA1J		

87. The assembly includes one RH shield mounting bracket (NSS) and one rivnut (MD #320448). Model year 2022 and prior machines with superseded bracket (MD #283704) used an M10 bolt (MD #152655) and nyloc nuts (MD #252807) to secure the LH wing shield to the shield bracket. For model year 2023 and later machines, or for machines that have been serviced with shield bracket assembly (MD #323773), order an M8 screw (MD #320336).

36 Flex Linkage Shield – Triple Reel (FD261)

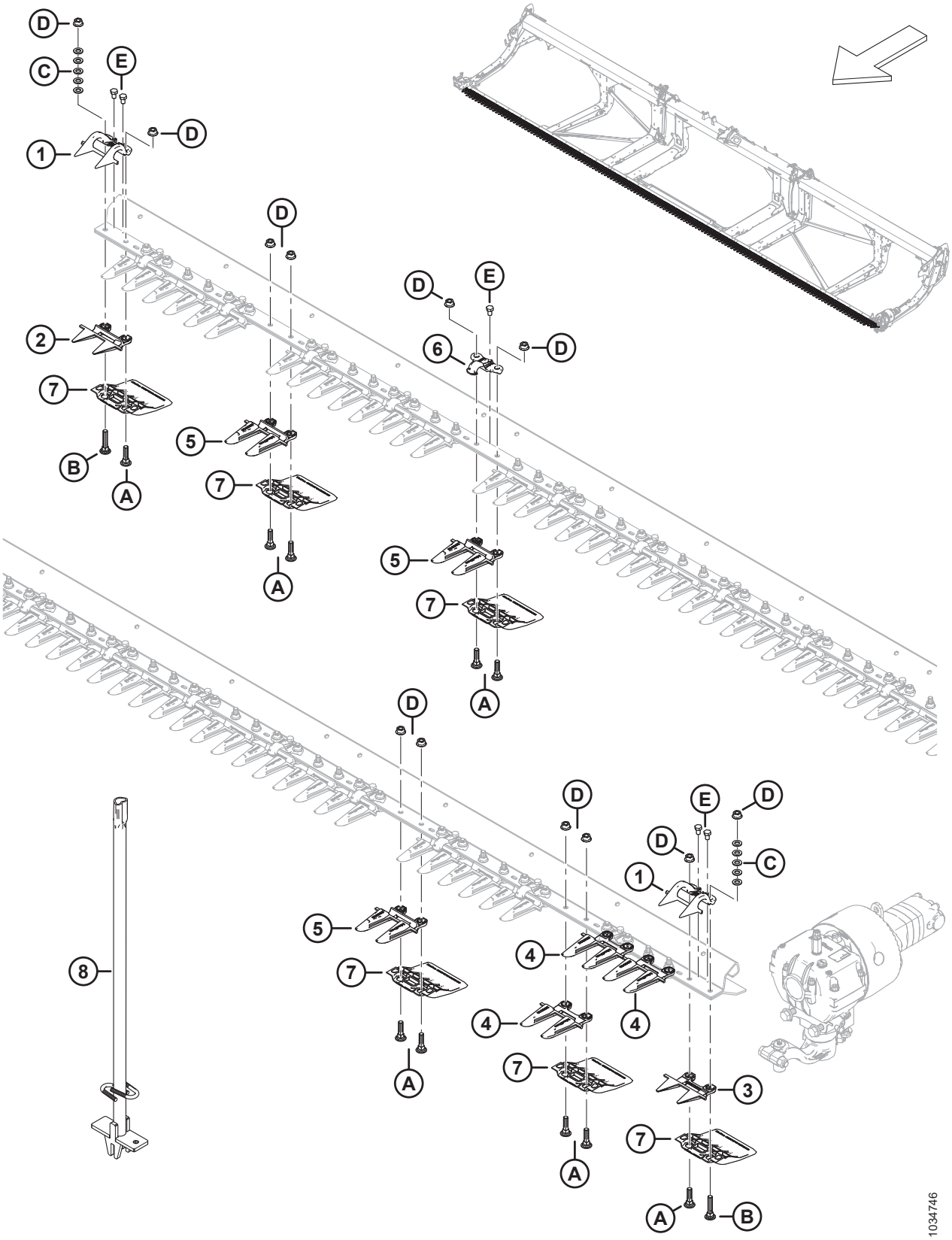


FLEX LINKAGE SHIELD – TRIPLE REEL (FD261)

Ref	Part Number	Description	Qty	Serial Number
1	**323032**	**SHIELD – LH WING**	**1**	
2	**319563**	**SHIELD – WF TR LH FLEX LINKAGE**	**1**	
3	**366167**	**ASSY – SHIELD EXT. LH FD261** [88]	**1**	
4	**323051**	**SHIELD – RH WING**	**1**	
5	**319564**	**SHIELD – WF TR RH FLEX LINKAGE**	**1**	
6	**366168**	**ASSY – SHIELD EXT. RH FD261** [88]	**1**	
7	**319550**	**BRACKET – LINKAGE SHIELD**	**4**	
8	**360299**	**GAUGE – FLEX POSITION**	**2**	
9	**283849**	**BRACKET – HYD COVER SUPPORT**	**1**	
10	**323773**	**ASSY – RH SHIELD BRACKET** [89]	**1**	
11	**102264**	**PIN – LYNCH 3/16 X 1 9/16 IN.**	**2**	
12	**13125**	**PIN – HAIR**	**4**	
13	**319548**	**BRACE – TR SHIELDS**	**2**	
14	**319549**	**BRACE – TR SHIELDS FRONT**	**2**	
15	**261480**	**BRACKET – LH COVER LATCH**	**1**	
16	**261479**	**BRACKET – RH COVER LATCH**	**1**	
A	**320246**	**NUT – ACORN M6 X 1.0-8-ZINC**		
B	**184683**	**NUT – HEX ISO 4032 M6 X 1-8-AA1J**		
C	320148	**SCREW – TRUSS SLT HD M6 X 1.0 X 16-SPCL-8.8-ZINC**		
D	**320336**	**SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T**		
E	**320448**	**RIVNUT – M8 X 1.25 HEX**		
F	**136151**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J**		
G	**320190**	**SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC**		
H	**184688**	**NUT – HEX NYLOC M8 X 1.25-8-AA1J**		
J	**135337**	**NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J**		
K	**136057**	**BOLT – HEX HD TFL M8 X 1.25 X 25-10.9-AA1J**		
L	**136211**	**BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J**		
M	**184705**	**WASHER – FLAT M6-200HV-AA1J**		
N	**184708**	**WASHER – FLAT M8-200HV-AA1J**		
P	**136485**	**BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J**		

88. The shield extension assembly includes linkage shields (NSS), backing bracket (NSS), six M8 screws (MD #320190), and six M8 nuts (MD #135337).
89. The assembly includes RH shield mounting bracket (NSS) and rivnut (MD #320448).

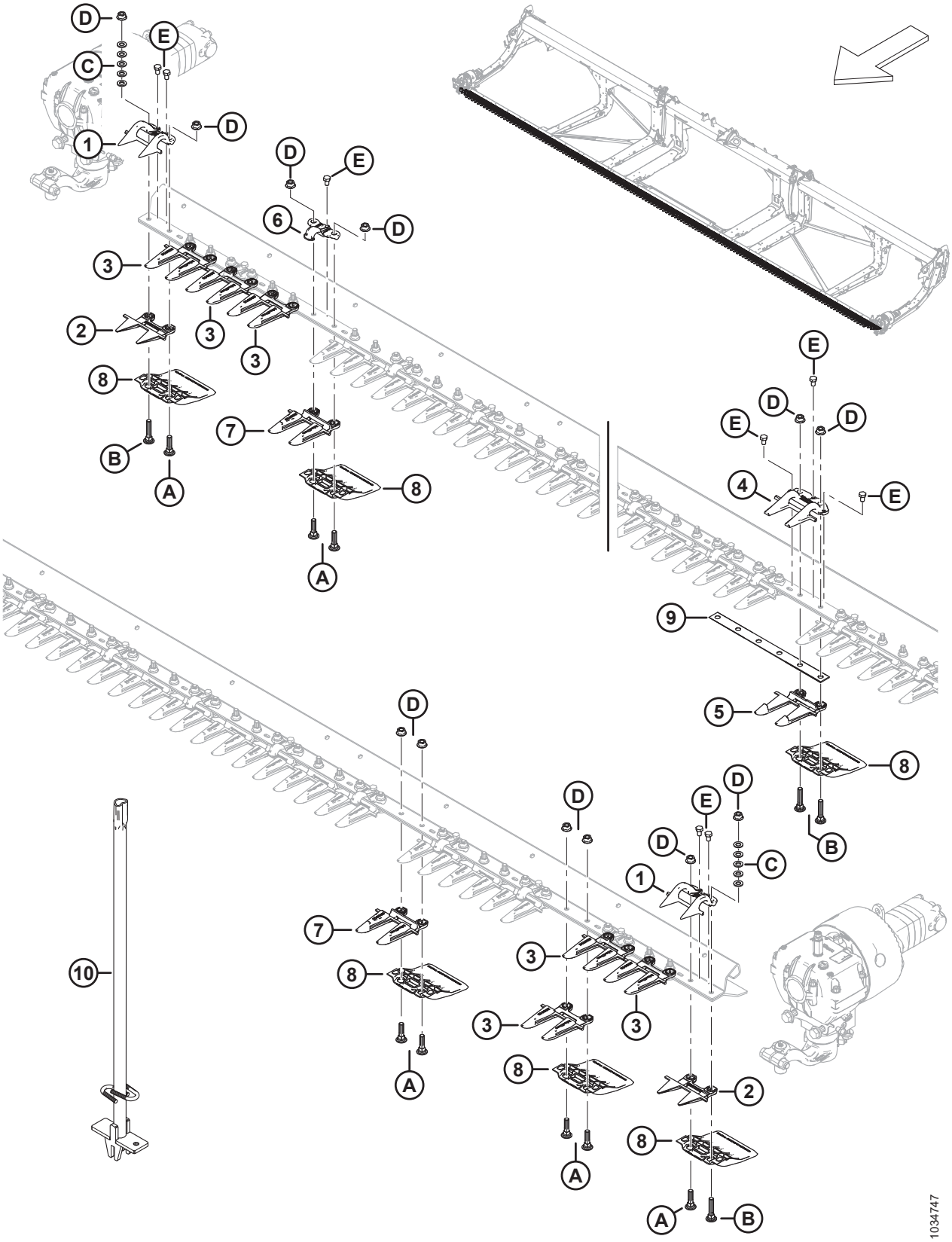
37 Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, Pointed (FD225, FD230, FD235, and FD240)



Ref	Part Number	Description	Qty	Serial Number
	286668	KIT – POINTED GUARDS 25 FT SK [90]	A/R	
	286669	KIT – POINTED GUARDS 30 FT SK [91]	A/R	
	286670	KIT – POINTED GUARDS 35 FT SK [92]	A/R	
	286671	KIT – POINTED GUARDS 40 FT SK [93]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	2	
2	286318	KNIFE GUARD – PLUG FREE SHORT	1	
3	286319	KNIFE GUARD – PLUG FREE END	1	
4	286316	KNIFE GUARD – POINTED END	3	
5	286315	KNIFE GUARD – POINTED [94]		
6	286329	HOLD-DOWN – POINTED [95]		
7	286257	SHOE – WEARPLATE CUTTERBAR [96]		
8	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

90. The kit includes 45 pointed guards (MD #286315), 3 pointed end guards (MD #286316), 1 PlugFree™ guard (MD #286318), and 1 PlugFree™ end guard (MD #286319).
91. The kit includes 55 pointed guards (MD #286315), 3 pointed end guards (MD #286316), 1 PlugFree™ guard (MD #286318), and 1 PlugFree™ end guard (MD #286319).
92. The kit includes 65 pointed guards (MD #286315), 3 pointed end guards (MD #286316), 1 PlugFree™ guard (MD #286318), and 1 PlugFree™ end guard (MD #286319).
93. The kit includes 75 pointed guards (MD #286315), 3 pointed end guards (MD #286316), 1 PlugFree™ guard (MD #286318), and 1 PlugFree™ end guard (MD #286319).
94. Quantities: FD225 = 45, FD230 = 55, FD235 = 65, and FD240 = 75.
95. Quantities: FD225 = 24, FD230 = 29, FD235 = 34, and FD240 = 39.
96. Quantities: FD225 = 50, FD230 = 60, FD235 = 70, and FD240 = 80.

38 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (FD235, FD240, FD241, FD245, and FD250)

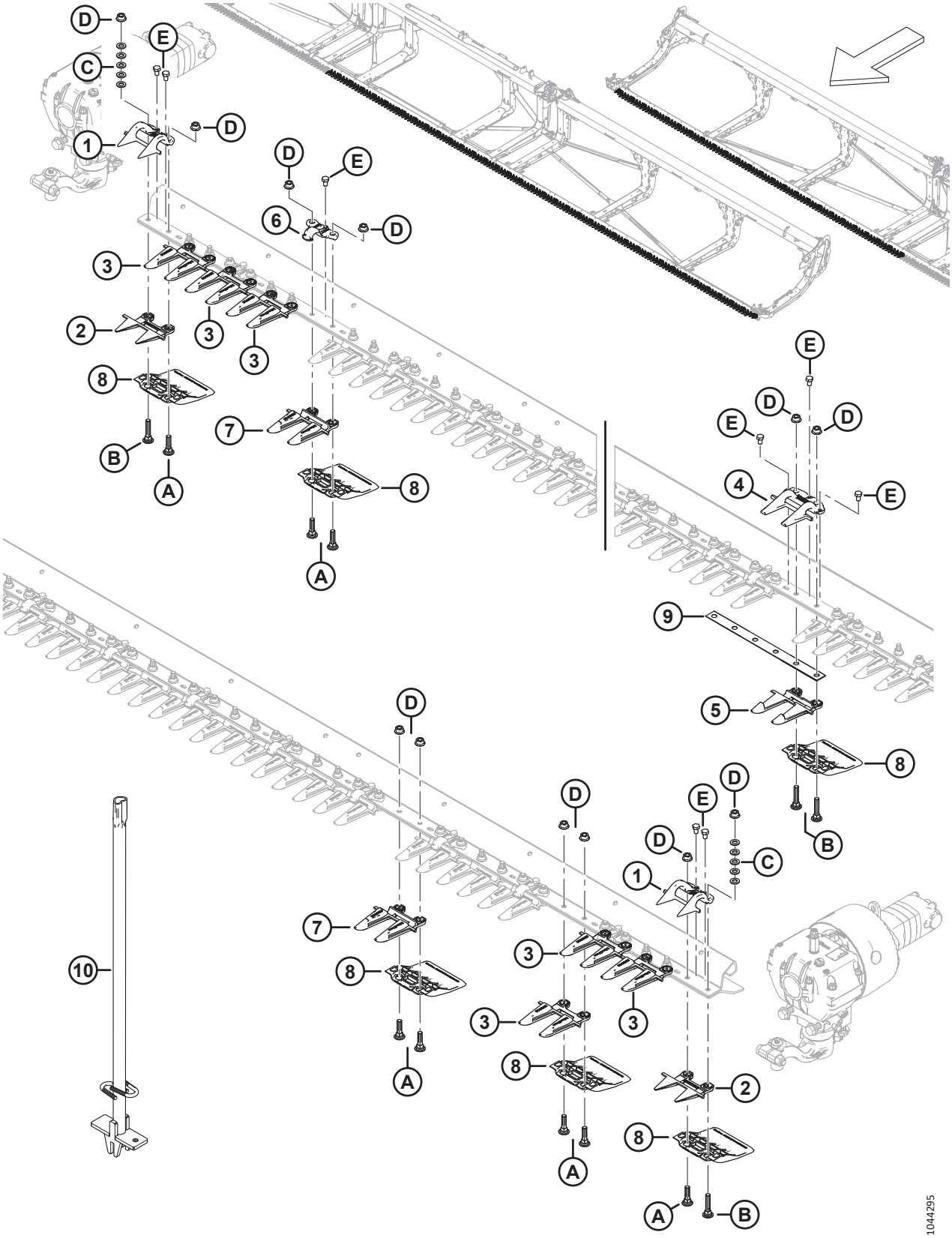


GUARDS, HOLD-DOWNS, AND CUTTERBAR SHOES – DOUBLE KNIFE, POINTED (FD235, FD240, FD241, FD245, AND FD250)

Ref	Part Number	Description	Qty	Serial Number
	286663	KIT – POINTED GUARDS 35 FT DK [97]	A/R	
	286664	KIT – POINTED GUARDS 40 FT DK [98]	A/R	
	286665	KIT – POINTED GUARDS 41 FT DK [99]	A/R	
	286666	KIT – POINTED GUARDS 45 FT DK [100]	A/R	
	286667	KIT – POINTED GUARDS 50 FT DK [101]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	2	
2	286319	KNIFE GUARD – PLUG FREE END	2	
3	286316	KNIFE GUARD – POINTED END	6	
4	286332	HOLD-DOWN – POINTED CENTER	1	
5	286317	KNIFE GUARD – POINTED CENTER	1	
6	286329	HOLD-DOWN – POINTED [102]		
7	286315	KNIFE GUARD – POINTED [103]		
8	286257	SHOE – WEARPLATE CUTTERBAR [104]		
9	226861	SHIM – DK OVERLAP	1	
10	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

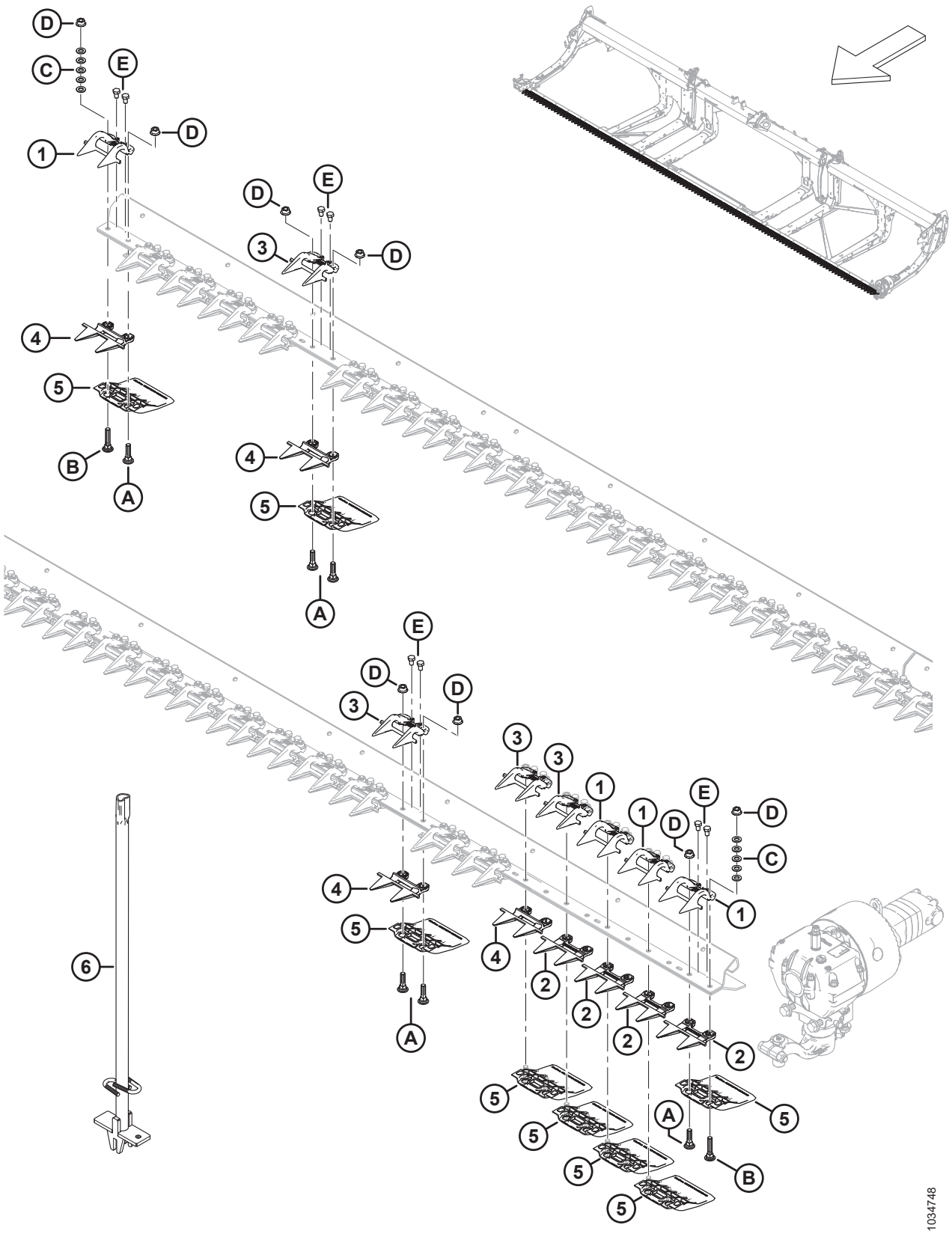
97. The kit includes 61 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
98. The kit includes 71 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
99. The kit includes 73 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
100. The kit includes 81 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
101. The kit includes 91 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
102. Quantities: FD235 = 34, FD240 = 38, FD241 = 39, FD245 = 44, and FD250 = 48.
103. Quantities: FD235 = 61, FD240 = 71, FD241 = 73, FD245 = 81, and FD250 = 91.
104. Quantities: FD235 = 70, FD240 = 80, FD241 = 82, FD245 = 90, and FD250 = 100.

39 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	**286331**	**HOLD-DOWN – PLUG FREE END**	**2**	
2	**286319**	**KNIFE GUARD – PLUG FREE END**	**2**	
3	**286316**	**KNIFE GUARD – POINTED END**	**6**	
4	**286332**	**HOLD-DOWN – POINTED CENTER**	**1**	
5	**286317**	**KNIFE GUARD – POINTED CENTER**	**1**	
6	**286329**	**HOLD-DOWN – POINTED**	**59**	
7	**286315**	**KNIFE GUARD – POINTED**	**113**	
8	**286257**	**SHOE – WEARPLATE CUTTERBAR**	**122**	
9	**226861**	**SHIM – DK OVERLAP**	**1**	
10	**286705**	**TOOL – WELDT**	**A/R**	
A	**226295**	**BOLT – RHSN SPCL M12 X 47-8.8**		
B	**226280**	**BOLT – RHSN SPCL M12 X 60-8.8**		
C	**184714**	**WASHER – FLAT REG M12-300HV**		
D	**136036**	**NUT – HEX SM FLG M12 X 1.75-8-AA1J**		
E	**136005**	**BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J**		

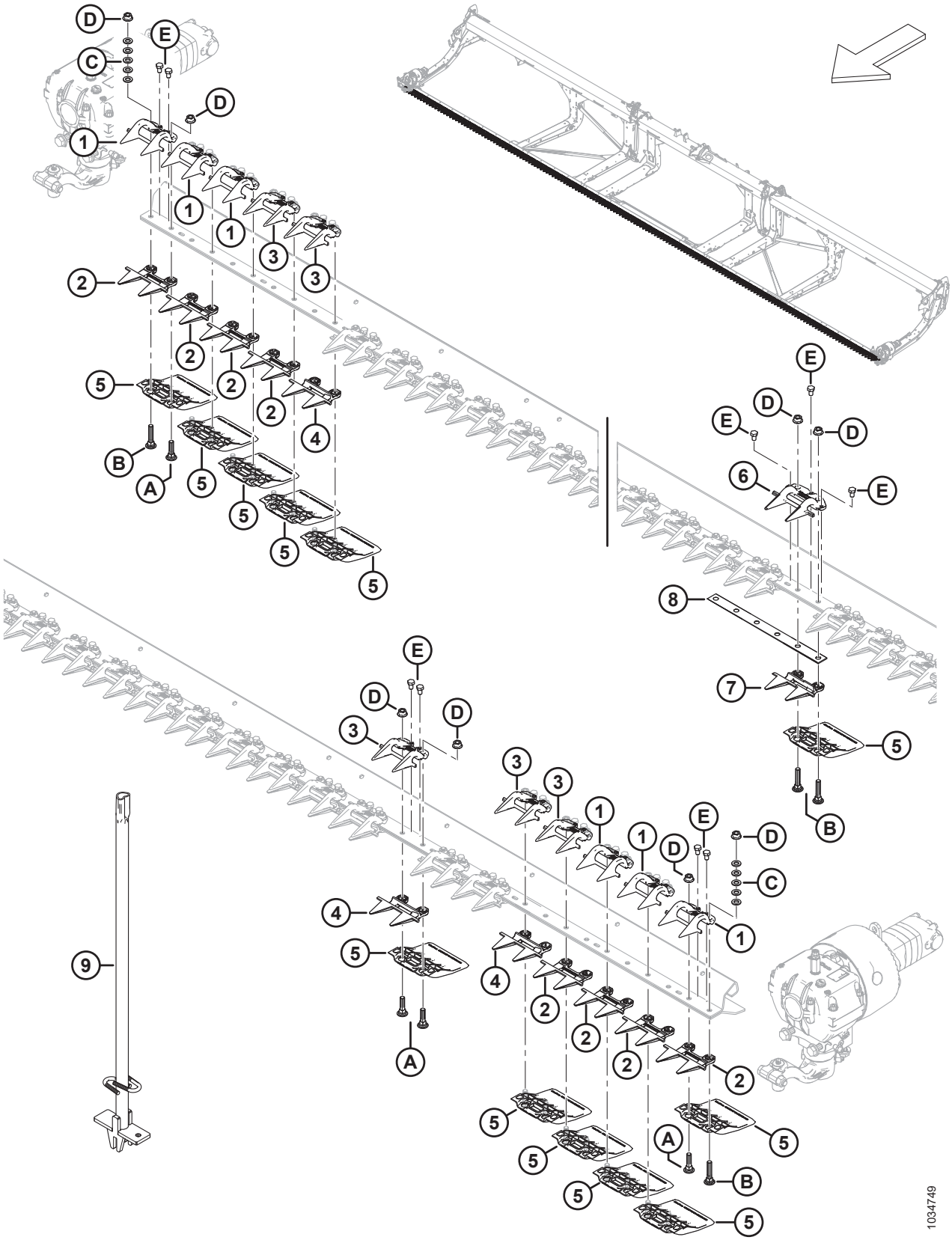
40 Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, PlugFree™ (FD225, FD230, FD235, and FD240)



Ref	Part Number	Description	Qty	Serial Number
	286679	KIT – PLUGFREE GUARDS 25 FT SK [105]	A/R	
	286680	KIT – PLUGFREE GUARDS 30 FT SK [106]	A/R	
	286681	KIT – PLUGFREE GUARDS 35 FT SK [107]	A/R	
	286682	KIT – PLUGFREE GUARDS 40 FT SK [108]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	4	
2	286319	KNIFE GUARD – PLUG FREE END	4	
3	286330	HOLD-DOWN – PLUG FREE [109]		
4	286318	KNIFE GUARD – PLUG FREE SHORT [109]		
5	286257	SHOE – WEARPLATE CUTTERBAR [110]		
6	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

105. The kit includes 46 PlugFree™ guards (MD #286318) and 4 end guards (MD #286319).
106. The kit includes 56 PlugFree™ guards (MD #286318) and 4 end guards (MD #286319).
107. The kit includes 66 PlugFree™ guards (MD #286318) and 4 end guards (MD #286319).
108. The kit includes 76 PlugFree™ guards (MD #286318) and 4 end guards (MD #286319).
109. Quantities: FD225 = 46, FD230 = 56, FD235 = 66, and FD240 = 76.
110. Quantities: FD225 = 50, FD230 = 60, FD235 = 70, and FD240 = 80.

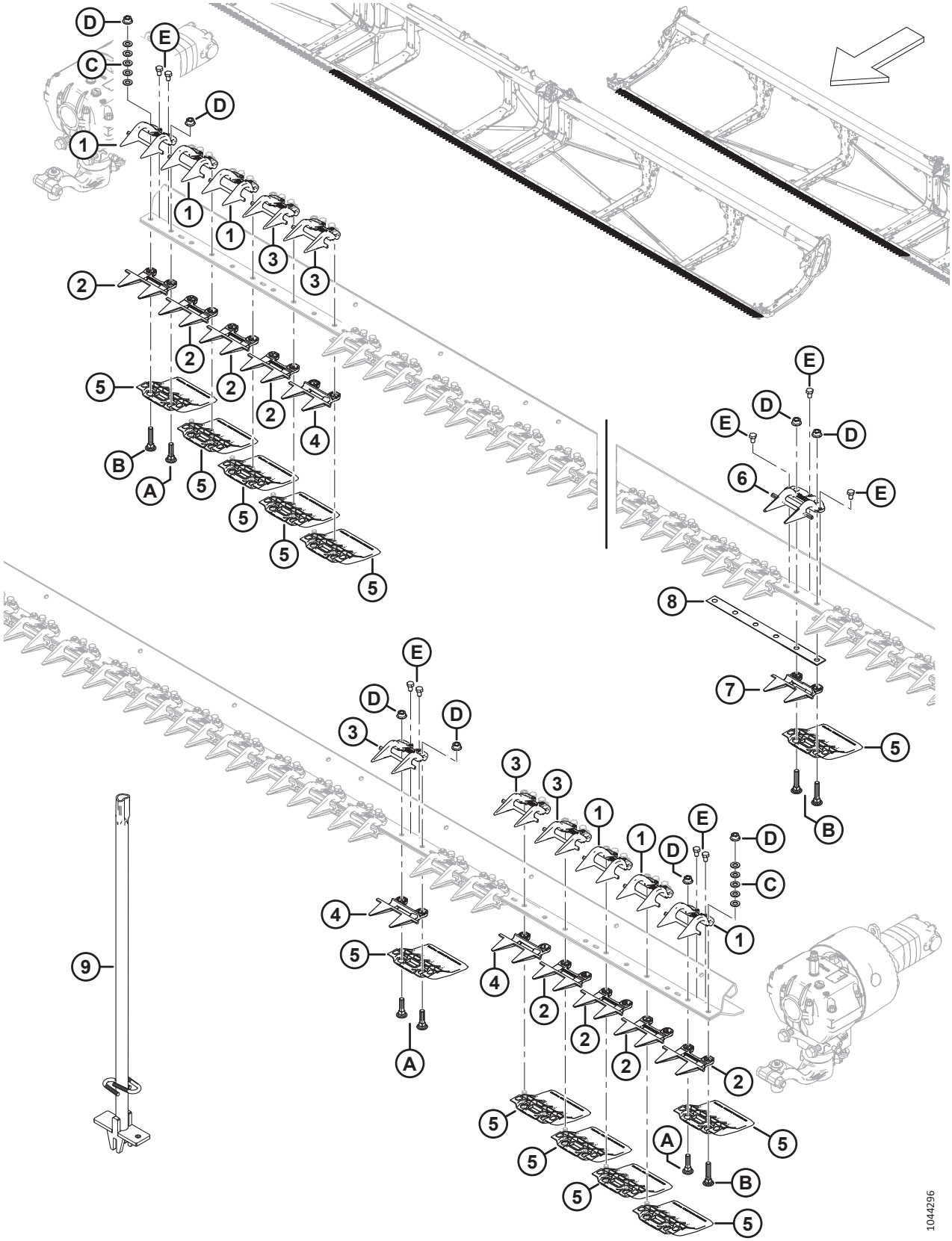
41 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (FD240, FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
	286673	KIT – PLUGFREE GUARDS 30 FT DK [111]	A/R	
	286674	KIT – PLUGFREE GUARDS 35 FT DK [112]	A/R	
	286675	KIT – PLUGFREE GUARDS 40 FT DK [113]	A/R	
	286676	KIT – PLUGFREE GUARDS 41 FT DK [114]	A/R	
	286677	KIT – PLUGFREE GUARDS 45 FT DK [115]	A/R	
	286678	KIT – PLUGFREE GUARDS 50 FT DK [116]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	6	
2	286319	KNIFE GUARD – PLUG FREE END	8	
3	286330	HOLD-DOWN – PLUG FREE [117]		
4	286318	KNIFE GUARD – PLUG FREE SHORT [118]		
5	286257	SHOE – WEARPLATE CUTTERBAR [119]		
6	286333	HOLD-DOWN – PLUG FREE CENTER	1	
7	286320	KNIFE GUARD – PLUG FREE CENTER	1	
8	226861	SHIM – DK OVERLAP	1	
9	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

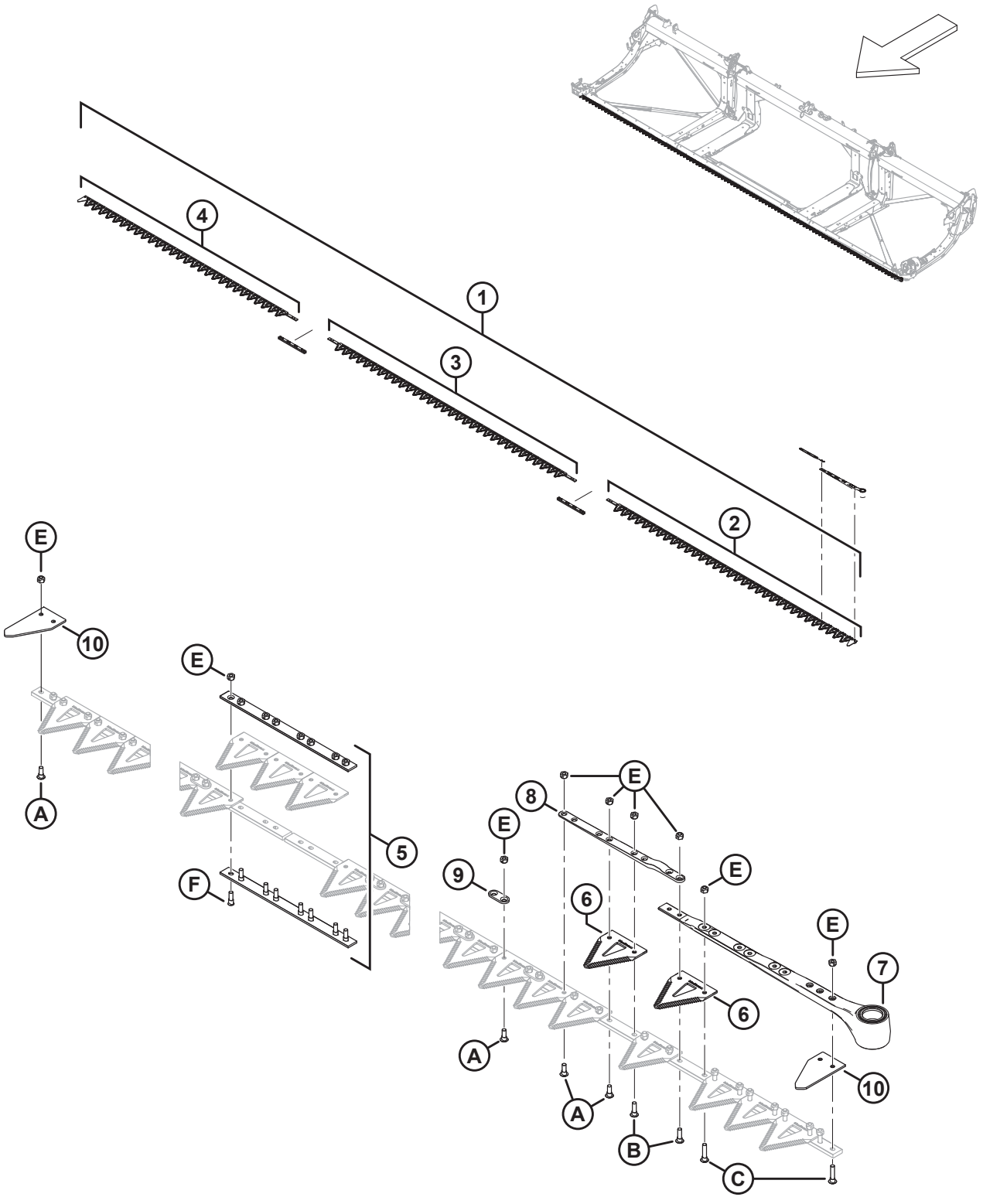
111. The kit includes 51 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
112. The kit includes 61 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
113. The kit includes 71 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
114. The kit includes 73 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
115. The kit includes 81 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
116. The kit includes 91 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
117. Quantities: FD240 = 73, FD241 = 75, FD245 = 83, and FD250 = 93.
118. Quantities: FD240 = 71, FD241 = 73, FD245 = 81, and FD250 = 91.
119. Quantities: FD240 = 80, FD241 = 82, FD245 = 90, and FD250 = 100.

42 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	286331	HOLD-DOWN – PLUG FREE END	6	
2	286319	KNIFE GUARD – PLUG FREE END	8	
3	286330	HOLD-DOWN – PLUG FREE	115	
4	286318	KNIFE GUARD – PLUG FREE SHORT	113	
5	286257	SHOE – WEARPLATE CUTTERBAR	122	
6	286333	HOLD-DOWN – PLUG FREE CENTER	1	
7	286320	KNIFE GUARD – PLUG FREE CENTER	1	
8	226861	SHIM – DK OVERLAP	1	
9	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

43 Knives – Single-Knife Headers (FD225)

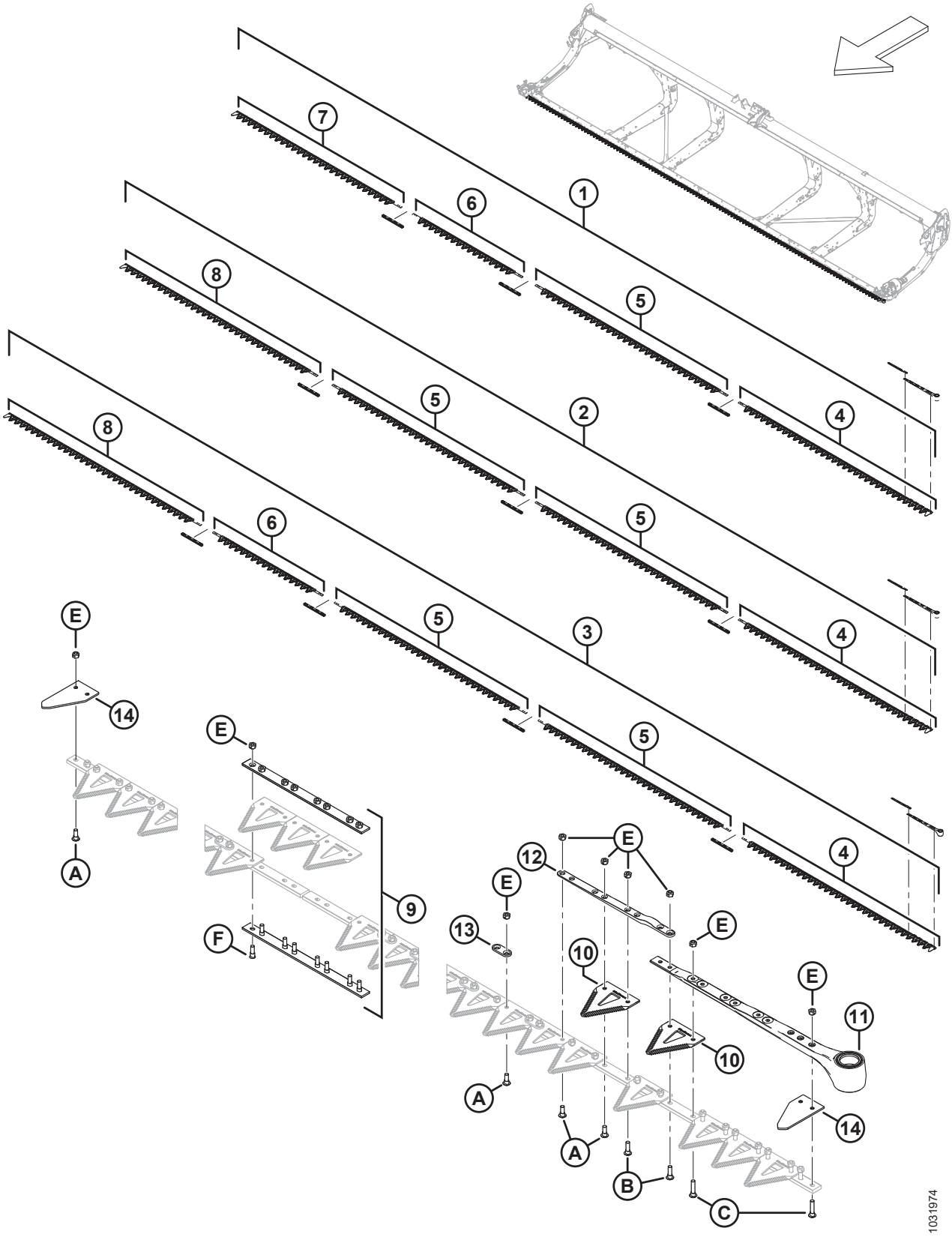


1039416

Ref	Part Number	Description	Qty	Serial Number
1	286597	KIT – KNIFE 25 FT SK COARSE [120]	1	
	286609	KIT – KNIFE 25 FT SK FINE [121]	OPT	
	286779	KIT – KNIFE 25 FT SK ULTRA COARSE [122]	OPT	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
3	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM	1	
	286581	KNIFE – CENTER SEGMENT FINE 2663 MM	OPT	
	286760	KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM	OPT	
4	286566	KNIFE – TAIL SEGMENT SK COARSE 2295 MM	1	
	286583	KNIFE – TAIL SEGMENT SK FINE 2295 MM	OPT	
	286763	KNIFE – TAIL SEGMENT SK ULTRA COARSE 2295 MM	OPT	
5	286493	KIT – KNIFE SPLICE	2	
6	286461	SECTION – CLEARCUT COARSE (25 PACK) [123]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [123]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [123]	OPT	
7	226941	KNIFE HEAD ASSEMBLY	1	
	115670	O-RING – 1.78 X 34.64	1	
	113937	DISC	1	
	113222	SEAL KIT	1	
	100500	BEARING – NEEDLE	1	
8	286440	BAR – FORGED	1	
9	286481	BAR – REINFORCEMENT (25 PACK) [124]		
10	226983	SECTION – END	2	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

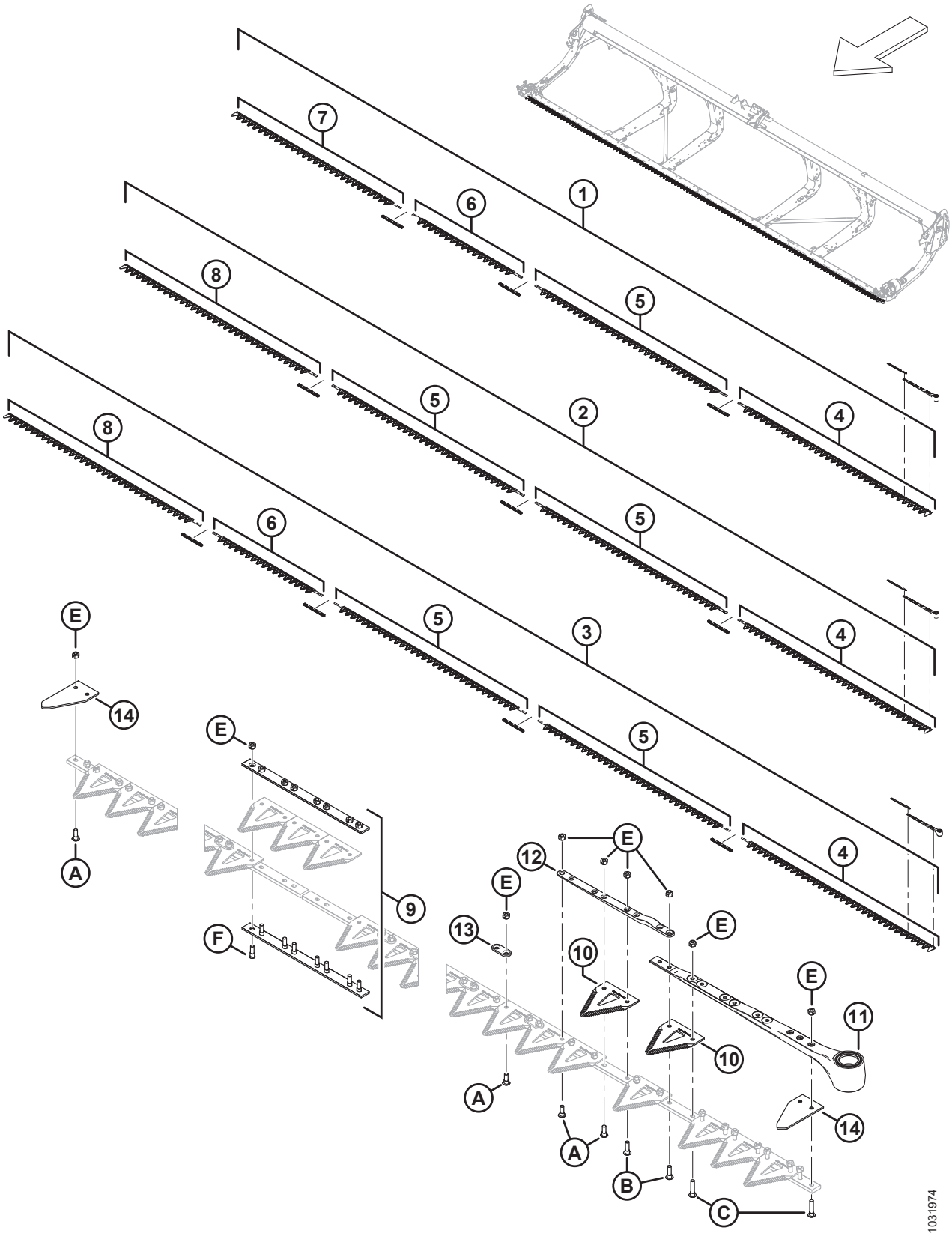
120. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), two knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one center coarse knife segment (MD #286564), and one tail coarse knife segment (MD #286566).
121. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), two knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one center fine knife segment (MD #286581), and one tail fine knife segment (MD #286583).
122. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), two knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one center ultra coarse knife segment (MD #286760), and one tail ultra coarse knife segment (MD #286763).
123. Individual section quantity is 99. Sections are sold in packs of 25 only.
124. Reinforcement bars are sold in packs of 25 only.

44 Knives – Single-Knife Headers (FD230, FD235, and FD240)



Ref	Part Number	Description	Qty	Serial Number
1	286598	KIT – KNIFE 30 FT SK COARSE [125]	1	
	286610	KIT – KNIFE 30 FT SK FINE [126]	OPT	
	286780	KIT – KNIFE 30 FT SK ULTRA COARSE [127]	OPT	
2	286599	KIT – KNIFE 35 FT SK COARSE [128]	1	
	286611	KIT – KNIFE 35 FT SK FINE [129]	OPT	
	286781	KIT – KNIFE 35 FT SK ULTRA COARSE [130]	OPT	
3	286600	KIT – KNIFE 40 FT SK COARSE [131]	1	
	286612	KIT – KNIFE 40 FT SK FINE [132]	OPT	
	286782	KIT – KNIFE 40 FT SK ULTRA COARSE [133]	OPT	
4	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
5	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM [134]		
	286581	KNIFE – CENTER SEGMENT FINE 2663 MM [134]	OPT	
	286760	KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM [134]	OPT	
6	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM [135]		
	286582	KNIFE – CENTER SEGMENT FINE 1520 MM [135]	OPT	
	286761	KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM [135]	OPT	

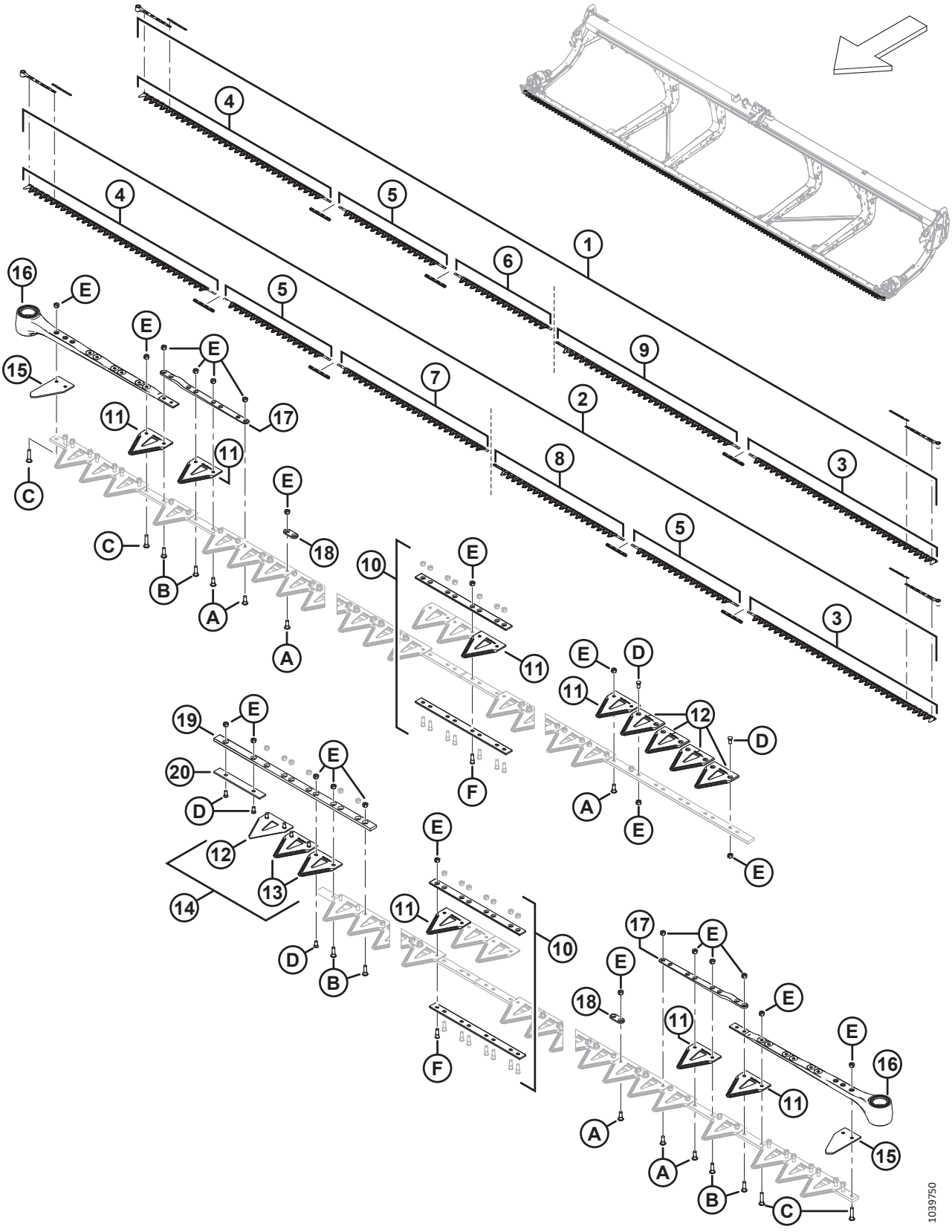
125. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), three knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one center coarse knife segment (MD #286564), one center coarse knife segment (MD #286565), and one tail coarse knife segment (MD #286566).
126. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), three knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one center fine knife segment (MD #286581), one center fine knife segment (MD #286582), and one tail fine knife segment (MD #286583).
127. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), three knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one center ultra coarse knife segment (MD #286760), one center ultra coarse knife segment (MD #286761), and one tail ultra coarse knife segment (MD #286763).
128. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), three knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), two center coarse knife segments (MD #286564), and one tail coarse knife segment (MD #286567).
129. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), three knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), two center fine knife segments (MD #286581), and one tail fine knife segment (MD #286584).
130. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), three knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), two center ultra coarse knife segments (MD #286760), and one tail ultra coarse knife segment (MD #286764).
131. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), two center coarse knife segments (MD #286564), one center coarse knife segment (MD #286565), and one tail coarse knife segment (MD #286567).
132. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), four knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), two center fine knife segments (MD #286581), one center fine knife segment (MD #286582), and one tail fine knife segment (MD #286584).
133. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), four knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), two center ultra coarse knife segments (MD #286760), one center ultra coarse knife segment (MD #286761), and one tail ultra coarse knife segment (MD #286764).
134. Quantities (individual segments: FD230 = 1, FD235 = 2, and FD240 = 2.
135. Quantities (individual segments: FD230 = 1, FD235 = 0, and FD240 = 1.


7
6
1
8
5
5
2
4
8
6
5
3
4
5
4
E
14
A
E
9
F
E
12
E
13
E
10
E
11
10
14
A
A
B
C
1031974

Ref	Part Number	Description	Qty	Serial Number
7	286566	KNIFE – TAIL SEGMENT SK COARSE 2295 MM [136]		
	286583	KNIFE – TAIL SEGMENT SK FINE 2295 MM [136]	OPT	
	286763	KNIFE – TAIL SEGMENT SK ULTRA COARSE 2295 MM [136]	OPT	
8	286567	KNIFE – TAIL SEGMENT SK COARSE 2676 MM [137]		
	286584	KNIFE – TAIL SEGMENT SK FINE 2676 MM [137]	OPT	
	286764	KNIFE – TAIL SEGMENT SK ULTRA COARSE 2676 MM [137]	OPT	
9	286493	KIT – KNIFE SPLICE [138]		
10	286461	SECTION – CLEARCUT COARSE (25 PACK) [139]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [139]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [139]	OPT	
11	226941	KNIFE HEAD ASSEMBLY	1	
	115670	O-RING – 1.78 X 34.64	1	
	113937	DISC	1	
	113222	SEAL KIT	1	
	100500	BEARING – NEEDLE	1	
12	286440	BAR – FORGED	1	
13	286481	BAR – REINFORCEMENT (25 PACK) [140]		
14	226983	SECTION – END	2	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

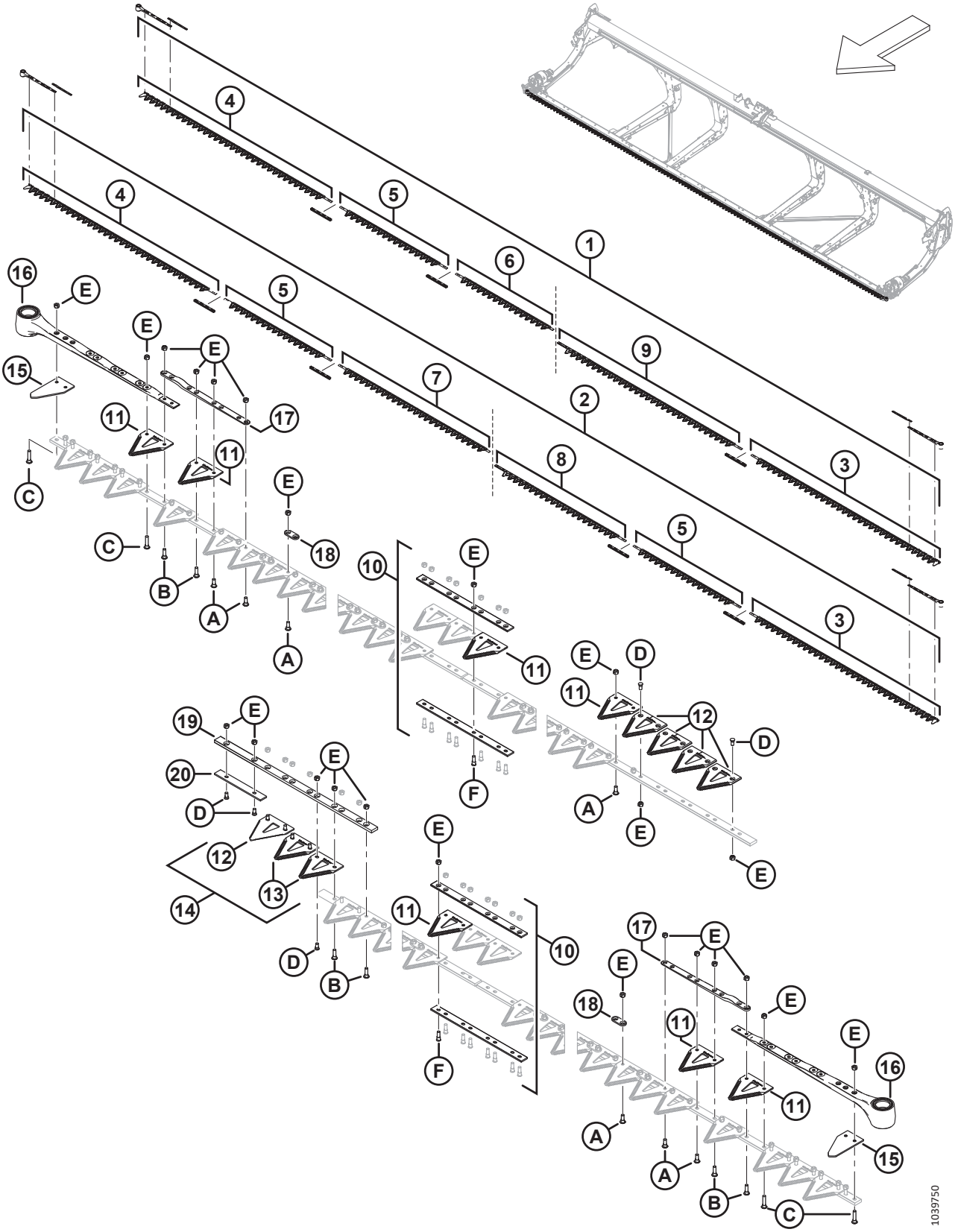
136. Quantities (individual segments): FD230 = 1, FD235 = 0, and FD240 = 0.
137. Quantities (individual segments): FD230 = 0, FD235 = 1, and FD240 = 1.
138. Quantities: FD230 = 3, FD235 = 3, and FD240 = 4.
139. Quantities (individual sections): FD230 = 119, FD235 = 139, and FD240 = 159. Sections are sold in packs of 25 only.
140. Reinforcement bars are sold in packs of 25 only.

45 Knives – Double-Knife Headers (FD235 and FD240)



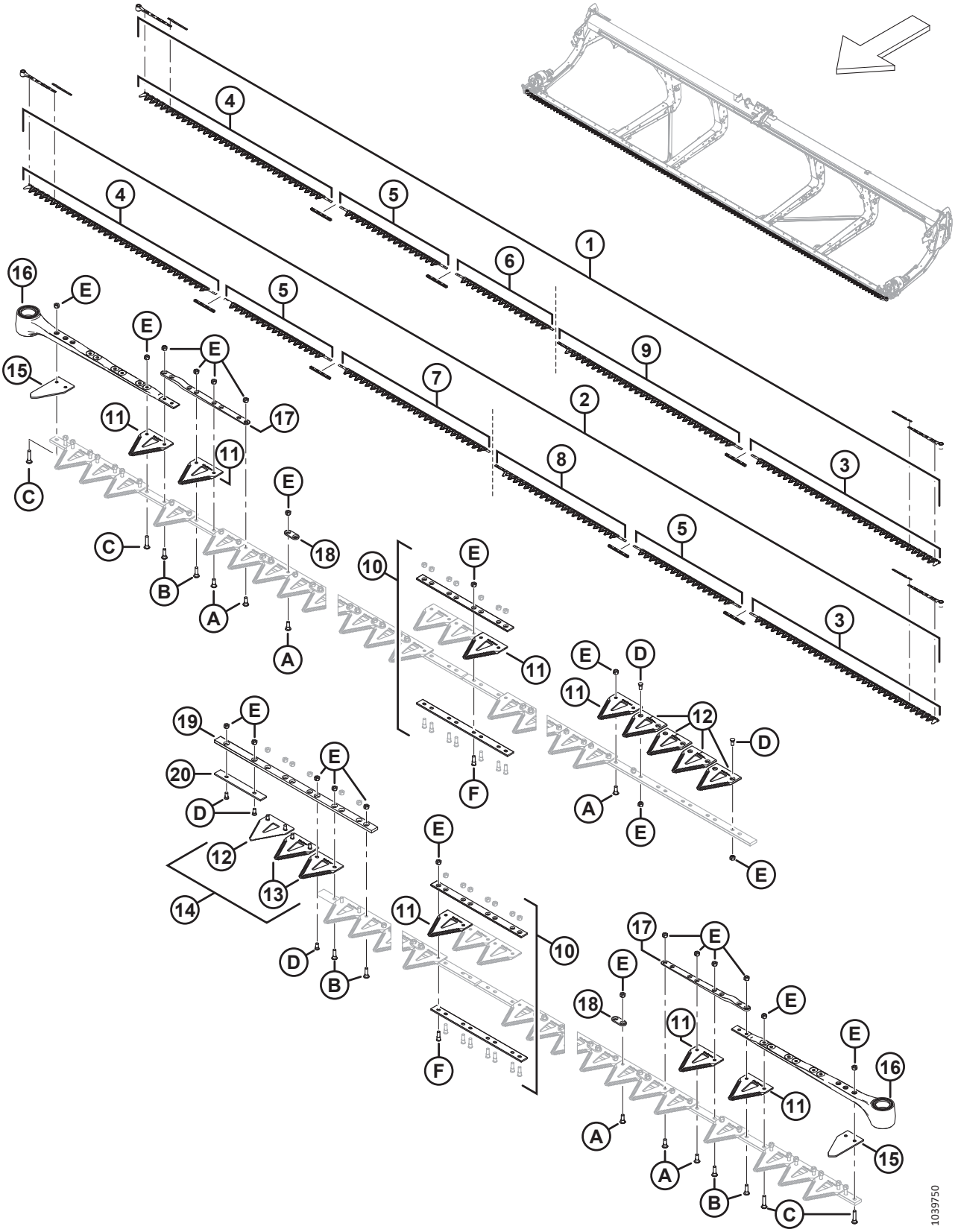
Ref	Part Number	Description	Qty	Serial Number
1	286886	KIT – KNIFE 35 FT DK COARSE [141]	1	
	286616	KIT – KNIFE 35 FT DK FINE [142]	OPT	
	286787	KIT – KNIFE 35 FT DK ULTRA COARSE [143]	OPT	
2	286887	KIT – KNIFE 40 FT DK COARSE [144]	1	
	286617	KIT – KNIFE 40 FT DK FINE [145]	OPT	
	286788	KIT – KNIFE 40 FT DK ULTRA COARSE [146]	OPT	
3	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
4	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM	OPT	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
5	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM [147]		
	286582	KNIFE – CENTER SEGMENT FINE 1520 MM [147]	OPT	
	286761	KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM [147]	OPT	
6	286865	KNIFE – TAIL SEGMENT RH COARSE 1385 MM [148]		
	286870	KNIFE – TAIL SEGMENT RH FINE 1385 MM [148]	OPT	
	286875	KNIFE – TAIL SEGMENT RH ULTRA COARSE 1385 MM [148]	OPT	
7	286866	KNIFE – TAIL SEGMENT RH COARSE 2147 MM [149]		
	286871	KNIFE – TAIL SEGMENT RH FINE 2147 MM [149]	OPT	
	286876	KNIFE – TAIL SEGMENT RH ULTRA COARSE 2147 MM [149]	OPT	

141. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), three knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), one center coarse knife segment (MD #286565), one RH tail coarse knife segment (MD #286865), and one LH tail coarse knife segment (MD #286575).
142. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), three knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one center fine knife segment (MD #286582), one RH tail fine knife segment (MD #286870), and one LH tail fine knife segment (MD #286592).
143. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), three knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), one center ultra coarse knife segment (MD #286761), one RH tail ultra coarse knife segment (MD #286875), and one LH tail ultra coarse knife segment (MD #286768).
144. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), two center coarse knife segments (MD #286565), one RH tail coarse knife segment (MD #286866), and one LH tail coarse knife segment (MD #286574).
145. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286462), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286579), one RH coarse knife head segment (MD #286580), two center coarse knife segments (MD #286582), one RH tail coarse knife segment (MD #286871), and one LH tail coarse knife segment (MD #286591).
146. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286627), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286758), one RH coarse knife head segment (MD #286759), two center coarse knife segments (MD #286761), one RH tail coarse knife segment (MD #286876), and one LH tail coarse knife segment (MD #286767).
147. Quantities (individual segments): FD235 = 1 and FD240 = 2.
148. Quantities (individual segments): FD235 = 1 and FD240 = 0.
149. Quantities (individual segments): FD235 = 0 and FD240 = 1.


1039750

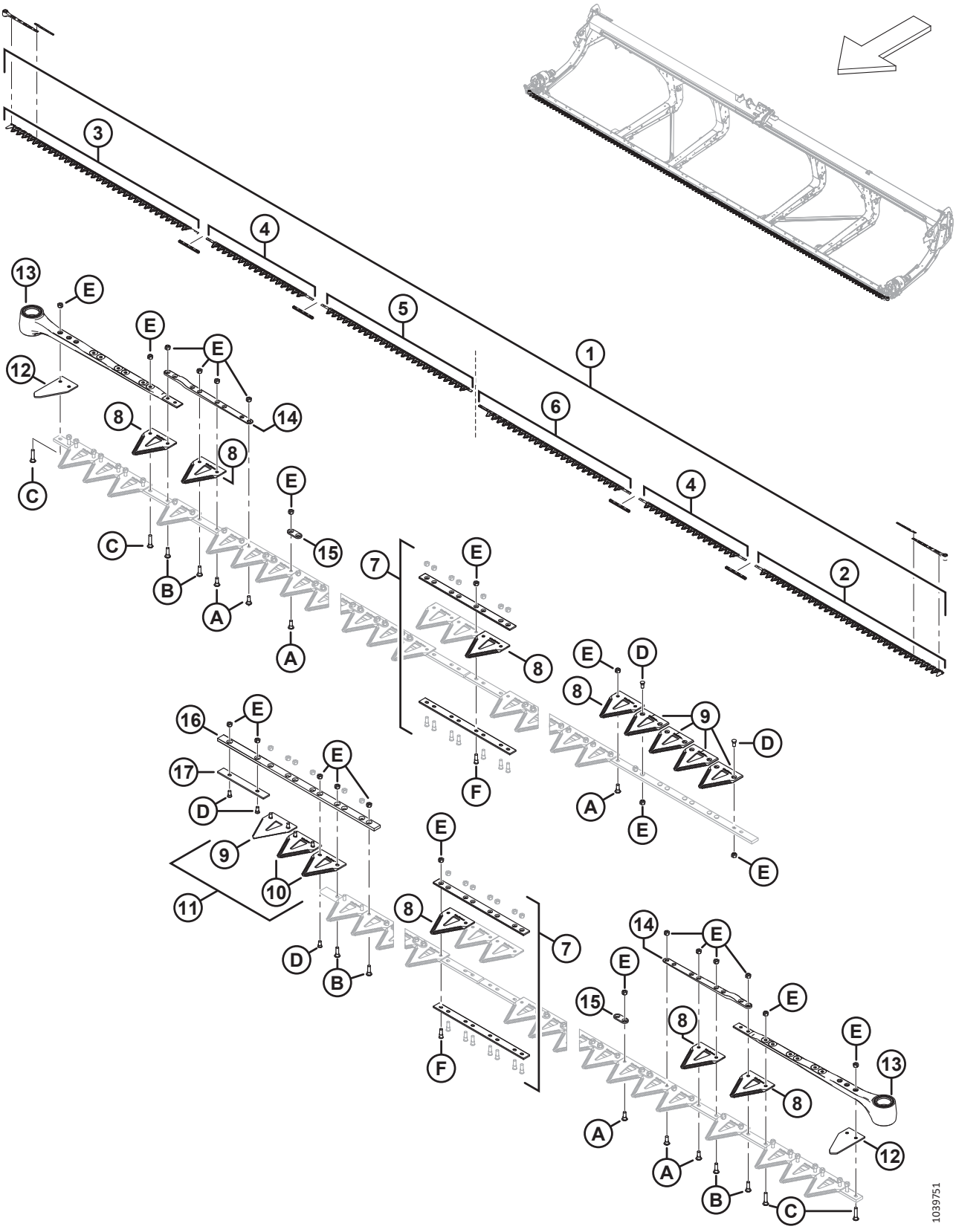
Ref	Part Number	Description	Qty	Serial Number
8	286574	KNIFE – TAIL SEGMENT LH COARSE 1856 MM [149]		
	286591	KNIFE – TAIL SEGMENT LH FINE 1856 MM [149]	OPT	
	286767	KNIFE – TAIL SEGMENT LH ULTRA COARSE 1856 MM [149]	OPT	
9	286575	KNIFE – TAIL SEGMENT LH COARSE 2618 MM [148]		
	286592	KNIFE – TAIL SEGMENT LH FINE 2618 MM [148]	OPT	
	286768	KNIFE – TAIL SEGMENT LH ULTRA COARSE 2618 MM [148]	OPT	
10	286493	KIT – KNIFE SPLICE [150]		
11	286461	SECTION – CLEARCUT COARSE (25 PACK) [151]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [151]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [151]	OPT	
12	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [152]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [152]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [152]	OPT	
13	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [153]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [153]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [153]	OPT	
14	286861	KIT – CLEARCUT COARSE CENTER [154]	A/R	
	286862	KIT – CLEARCUT FINE CENTER [155]	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER [156]	OPT	
15	226983	SECTION – END	2	
16	226941	KNIFE HEAD ASSEMBLY	2	
	115670	O-RING – 1.78 X 34.64		
	113937	DISC		
	113222	SEAL KIT		
	100500	BEARING – NEEDLE		
17	286440	BAR – FORGED	1	
18	286481	BAR – REINFORCEMENT (25 PACK) [157]		
19	286362	BAR – KNIFE OVERLAP GUIDE	1	
20	286363	BAR – WEAR	1	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		

150. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259). Quantities: FD235 = 3 and FD240 = 4.
151. Quantities (individual sections): FD235 = 139 and FD240 = 159. Sections are sold in packs of 25 only.
152. Quantities (individual sections): FD235 = 5 and FD240 = 5. Sections are sold in packs of 25 only.
153. Quantities (individual sections): FD235 = 2 and FD240 = 2. Sections are sold in packs of 10 only.
154. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
155. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
156. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
157. Quantities (individual bars): FD235 = 72 and FD240 = 88. Reinforcement bars are sold in packs of 25 only.


1039750

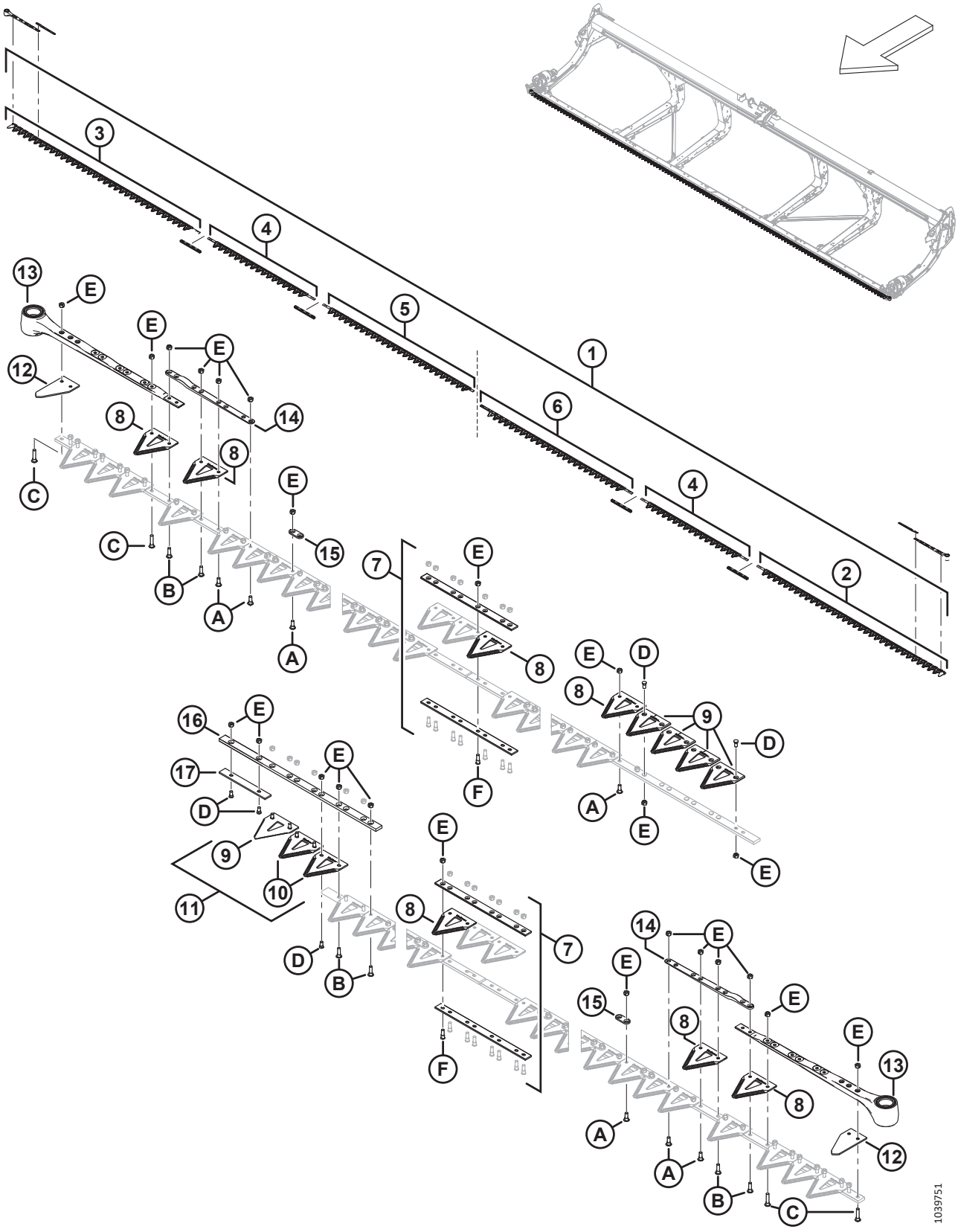
Ref	Part Number	Description	Qty	Serial Number
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

46 Knives – Double-Knife Headers (FD241)



Ref	Part Number	Description	Qty	Serial Number
1	286888	KIT – KNIFE 41 FT DK COARSE [158]	1	
	286618	KIT – KNIFE 41 FT DK FINE [159]	OPT	
	286789	KIT – KNIFE 41 FT DK ULTRA COARSE [160]	OPT	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
3	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM	OPT	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
4	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM	2	
	286582	KNIFE – CENTER SEGMENT FINE 1520 MM	OPT	
	286761	KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM	OPT	
5	286866	KNIFE – TAIL SEGMENT RH COARSE 2147 MM	1	
	286871	KNIFE – TAIL SEGMENT RH FINE 2147 MM	OPT	
	286876	KNIFE – TAIL SEGMENT RH ULTRA COARSE 2147 MM	OPT	
6	286576	KNIFE – TAIL SEGMENT LH COARSE 2161 MM	1	
	286593	KNIFE – TAIL SEGMENT LH FINE 2161 MM	OPT	
	286769	KNIFE – TAIL SEGMENT LH ULTRA COARSE 2161 MM	OPT	
7	286493	KIT – KNIFE SPLICE [161]	4	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) [162]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [162]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [162]	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [163]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [163]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [163]	OPT	
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [164]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [164]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [164]	OPT	

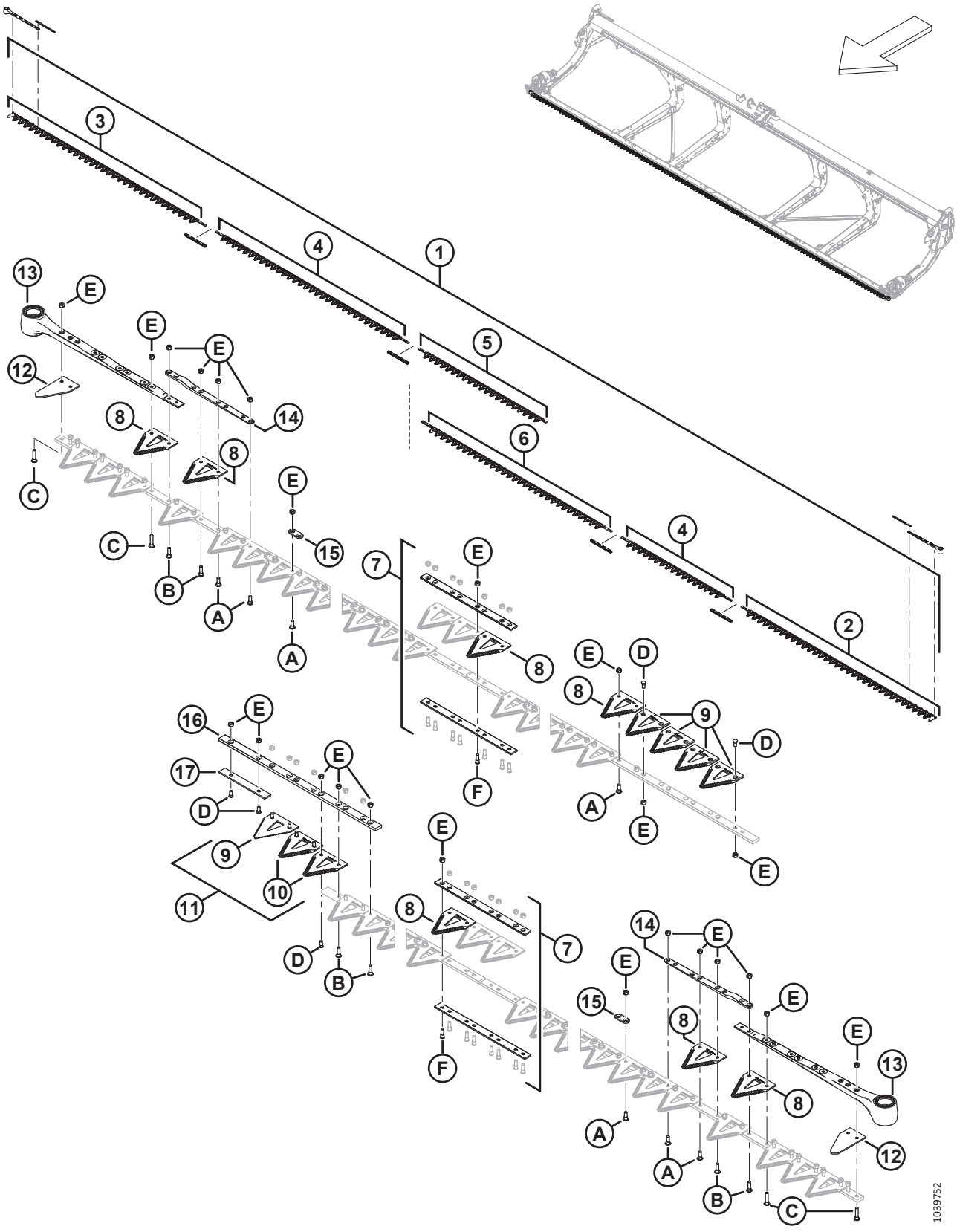
158. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), two center coarse knife segments (MD #286565), one RH tail coarse knife segment (MD #286866), and one LH tail coarse knife segment (MD #286576).
159. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), four knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), two center fine knife segments (MD #286582), one RH tail fine knife segment (MD #286871), and one LH tail fine knife segment (MD #286593).
160. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), four knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), two center ultra coarse knife segments (MD #286761), one RH tail ultra coarse knife segment (MD #286876), and one LH tail ultra coarse knife segment (MD #286769).
161. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259). The quantity listed in the parts list is the number of kits required for the entire knife.
162. Quantities (individual sections): 163. Sections are sold in packs of 25 only.
163. Quantities (individual sections): 5. Sections are sold in packs of 10 only.
164. Quantities (individual sections): 2. Sections are sold in packs of 10 only.


1039751

Ref	Part Number	Description	Qty	Serial Number
11	286861	KIT – CLEARCUT COARSE CENTER [165]	A/R	
	286862	KIT – CLEARCUT FINE CENTER [166]	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER [167]	OPT	
12	226983	SECTION – END	2	
13	226941	KNIFE HEAD ASSEMBLY	2	
	115670	O-RING – 1.78 X 34.64		
	113937	DISC		
	113222	SEAL KIT		
	100500	BEARING – NEEDLE		
14	286440	BAR – FORGED	2	
15	286481	BAR – REINFORCEMENT (25 PACK) [168]		
16	286362	BAR – KNIFE OVERLAP GUIDE	1	
17	286363	BAR – WEAR	1	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

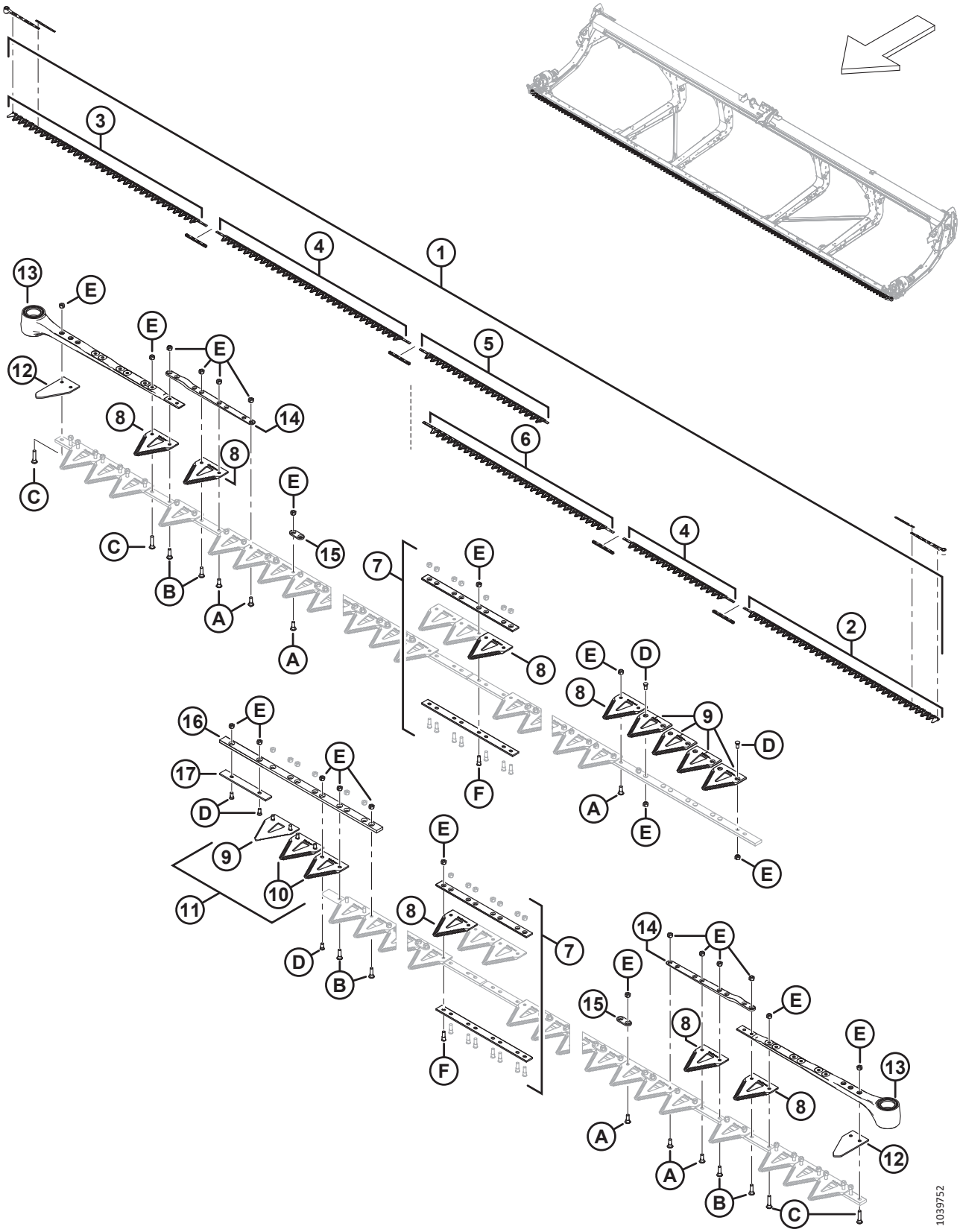
165. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
166. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
167. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
168. Quantities (individual bars): 88. Reinforcement bars are sold in packs of 25 only.

47 Knives – Double-Knife Headers (FD245)



Ref	Part Number	Description	Qty	Serial Number
1	286889	KIT – KNIFE 45 FT DK COARSE [169]	1	
	286619	KIT – KNIFE 45 FT DK FINE [170]	OPT	
	286790	KIT – KNIFE 45 FT DK ULTRA COARSE [171]	OPT	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
3	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM	OPT	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
4	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM	1	
	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM	1	
	286581	KNIFE – CENTER SEGMENT FINE 2663 MM	OPT	
	286582	KNIFE – CENTER SEGMENT FINE 1520 MM	OPT	
	286760	KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM	OPT	
	286581	KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM	OPT	
5	286867	KNIFE – TAIL SEGMENT RH COARSE 1766 MM	1	
	286872	KNIFE – TAIL SEGMENT RH FINE 1766 MM	OPT	
	286877	KNIFE – TAIL SEGMENT RH ULTRA COARSE 1766 MM	OPT	
6	286575	KNIFE – TAIL SEGMENT LH COARSE 2618 MM	1	
	286592	KNIFE – TAIL SEGMENT LH FINE 2618 MM	OPT	
	286768	KNIFE – TAIL SEGMENT LH ULTRA COARSE 2618 MM	OPT	
7	286493	KIT – KNIFE SPLICE [172]	4	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) [173]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [173]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [173]	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [174]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [174]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [174]	OPT	

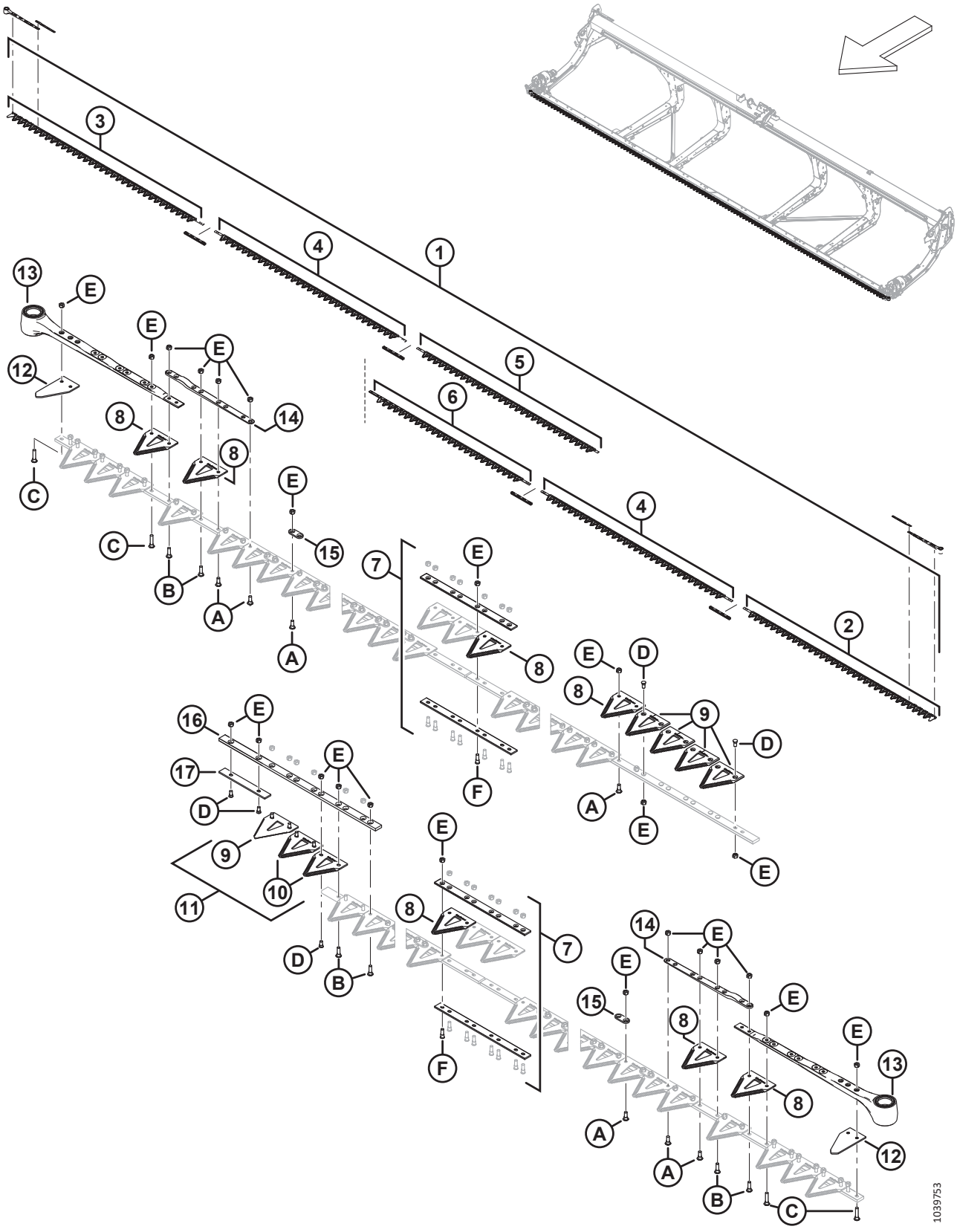
169. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), one center coarse knife segment (2663 mm) (MD #286564), one center coarse knife segment (1520 mm) (MD #286565), one RH tail coarse knife segment (MD #286867), and one LH tail coarse knife segment (MD #286575).
170. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), four knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one center fine knife segment (2663 mm) (MD #286581), one center fine knife segment (1520 mm) (MD #286582), one RH tail fine knife segment (MD #286872), and one LH tail fine knife segment (MD #286592).
171. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), four knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), one center ultra coarse knife segment (2663 mm) (MD #286760), one center ultra coarse knife segment (1520 mm) (MD #286761), one RH tail ultra coarse knife segment (MD #286877), and one LH tail ultra coarse knife segment (MD #286768).
172. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259). The quantity listed in the parts list is the number of kits required for the entire knife.
173. Quantities (individual sections): 179. Sections are sold in packs of 25 only.
174. Quantities (individual sections): 5. Sections are sold in packs of 10 only.


1039752

Ref	Part Number	Description	Qty	Serial Number
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [175]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [175]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [175]	OPT	
11	286861	KIT – CLEARCUT COARSE CENTER [176]	A/R	
	286862	KIT – CLEARCUT FINE CENTER [177]	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER [178]	OPT	
12	226983	SECTION – END	2	
13	226941	KNIFE HEAD ASSEMBLY	2	
	115670	O-RING – 1.78 X 34.64		
	113937	DISC		
	113222	SEAL KIT		
	100500	BEARING – NEEDLE		
14	286440	BAR – FORGED	2	
15	286481	BAR – REINFORCEMENT (25 PACK) [179]		
16	286362	BAR – KNIFE OVERLAP GUIDE	1	
17	286363	BAR – WEAR	1	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

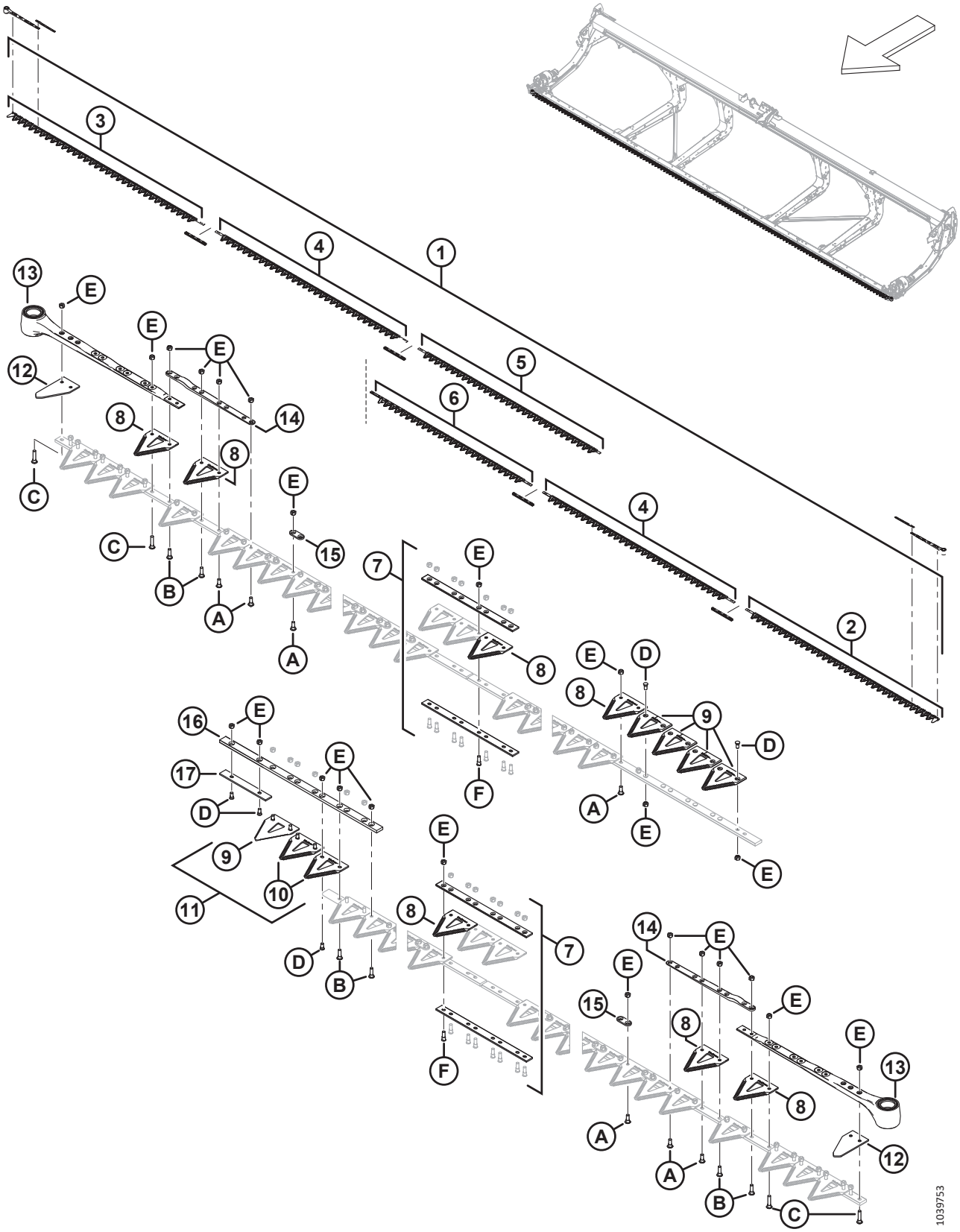
175. Quantities (individual sections): 2. Sections are sold in packs of 10 only.
176. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
177. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
178. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
179. Quantities (individual bars): 103. Reinforcement bars are sold in packs of 25 only.

48 Knives – Double-Knife Headers (FD250)



Ref	Part Number	Description	Qty	Serial Number
1	286890	KIT – KNIFE 50 FT DK COARSE [180]	1	
	286620	KIT – KNIFE 50 FT DK FINE [181]	OPT	
	286791	KIT – KNIFE 50 FT DK ULTRA COARSE [182]	OPT	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
3	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM	OPT	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
4	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM	2	
	286581	KNIFE – CENTER SEGMENT FINE 2663 MM	OPT	
	286760	KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM	OPT	
5	286868	KNIFE – TAIL SEGMENT RH COARSE 2528 MM	1	
	286873	KNIFE – TAIL SEGMENT RH FINE 2528 MM	OPT	
	286878	KNIFE – TAIL SEGMENT RH ULTRA COARSE 2528 MM	OPT	
6	286578	KNIFE – TAIL SEGMENT LH COARSE 2237 MM	1	
	286595	KNIFE – TAIL SEGMENT LH FINE 2237 MM	OPT	
	286770	KNIFE – TAIL SEGMENT LH ULTRA COARSE 2237 MM	OPT	
7	286493	KIT – KNIFE SPLICE [183]	4	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) [184]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [184]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [184]	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [185]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [185]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [185]	OPT	
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [186]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [186]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [186]	OPT	

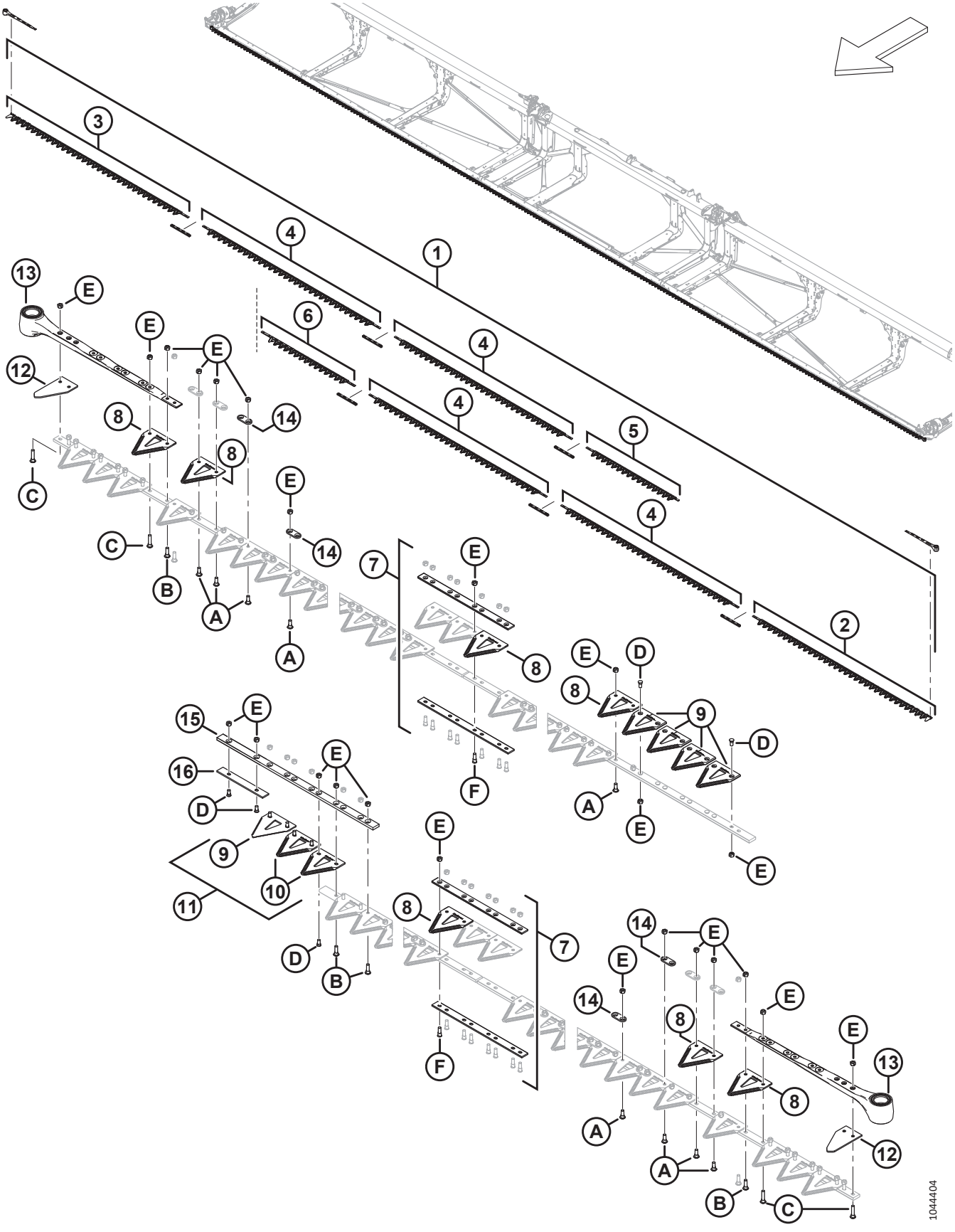
180. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), two center coarse knife segments (MD #286564), one RH tail coarse knife segment (MD #286868), and one LH tail coarse knife segment (MD #286578).
181. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), four knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), two center fine knife segments (MD #286581), one RH tail fine knife segment (MD #286873), and one LH tail fine knife segment (MD #286595).
182. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), four knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), two center ultra coarse knife segments (MD #286760), one RH tail ultra coarse knife segment (MD #286878), and one LH tail ultra coarse knife segment (MD #286770).
183. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259). The quantity listed in the parts list is the number of kits required for the entire knife.
184. Quantities (individual sections): 199. Sections are sold in packs of 25 only.
185. Quantities (individual sections): 5. Sections are sold in packs of 10 only.
186. Quantities (individual sections): 2. Sections are sold in packs of 10 only.


1039753

Ref	Part Number	Description	Qty	Serial Number
11	286861	KIT – CLEARCUT COARSE CENTER [187]	A/R	
	286862	KIT – CLEARCUT FINE CENTER [188]	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER [189]	OPT	
12	226983	SECTION – END	2	
13	226941	KNIFE HEAD ASSEMBLY	2	
	115670	O-RING – 1.78 X 34.64		
	113937	DISC		
	113222	SEAL KIT		
	100500	BEARING – NEEDLE		
14	286440	BAR – FORGED	2	
15	286481	BAR – REINFORCEMENT (25 PACK) [190]	2	
16	286362	BAR – KNIFE OVERLAP GUIDE	1	
17	286363	BAR – WEAR	1	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

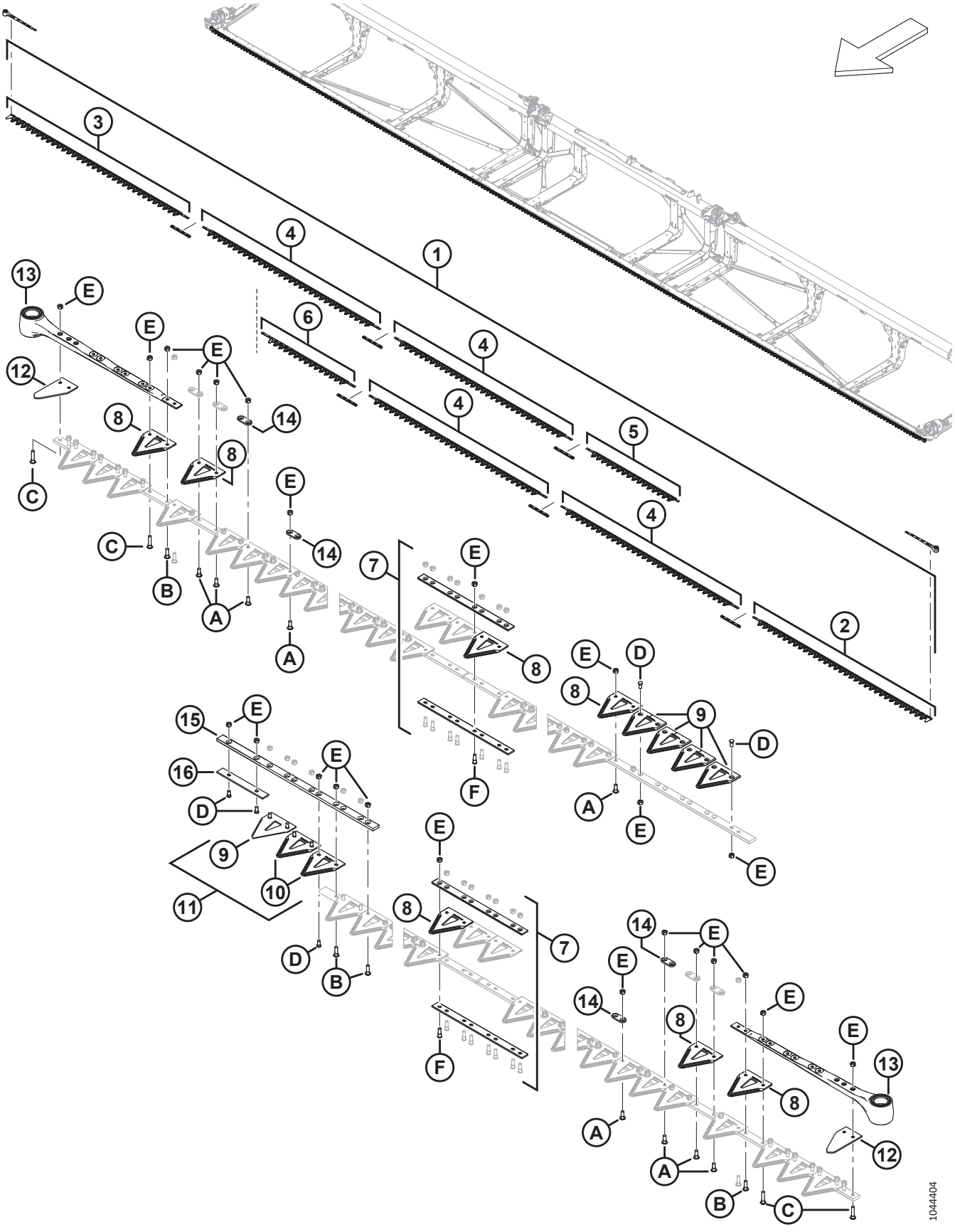
187. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
188. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
189. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
190. Quantities (individual bars): 117. Reinforcement bars are sold in packs of 25 only.

49 Knives – Double-Knife Headers (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	286900	KIT – KNIFE 61 FT DK COARSE [191]	1	
	286901	KIT – KNIFE 61 FT DK FINE [192]	OPT	
	286902	KIT – KNIFE 61 FT DK ULTRA COARSE [193]	OPT	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
3	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM	OPT	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
4	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM	4	
	286581	KNIFE – CENTER SEGMENT FINE 2663 MM	OPT	
	286760	KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM	OPT	
5	286865	KNIFE – TAIL SEGMENT RH COARSE 1385 MM	1	
	286870	KNIFE – TAIL SEGMENT RH FINE 1385 MM	OPT	
	286875	KNIFE – TAIL SEGMENT RH ULTRA COARSE 1385 MM	OPT	
6	286917	KNIFE – TAIL SEGMENT LH COARSE 1399 MM	1	
	286918	KNIFE – TAIL SEGMENT LH FINE 1399 MM	OPT	
	286919	KNIFE – TAIL SEGMENT LH ULTRA COARSE 1399 MM	OPT	
7	286493	KIT – KNIFE SPLICE [194]	6	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) [195]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [195]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [195]	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [196]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [196]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [196]	OPT	
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [197]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [197]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [197]	OPT	

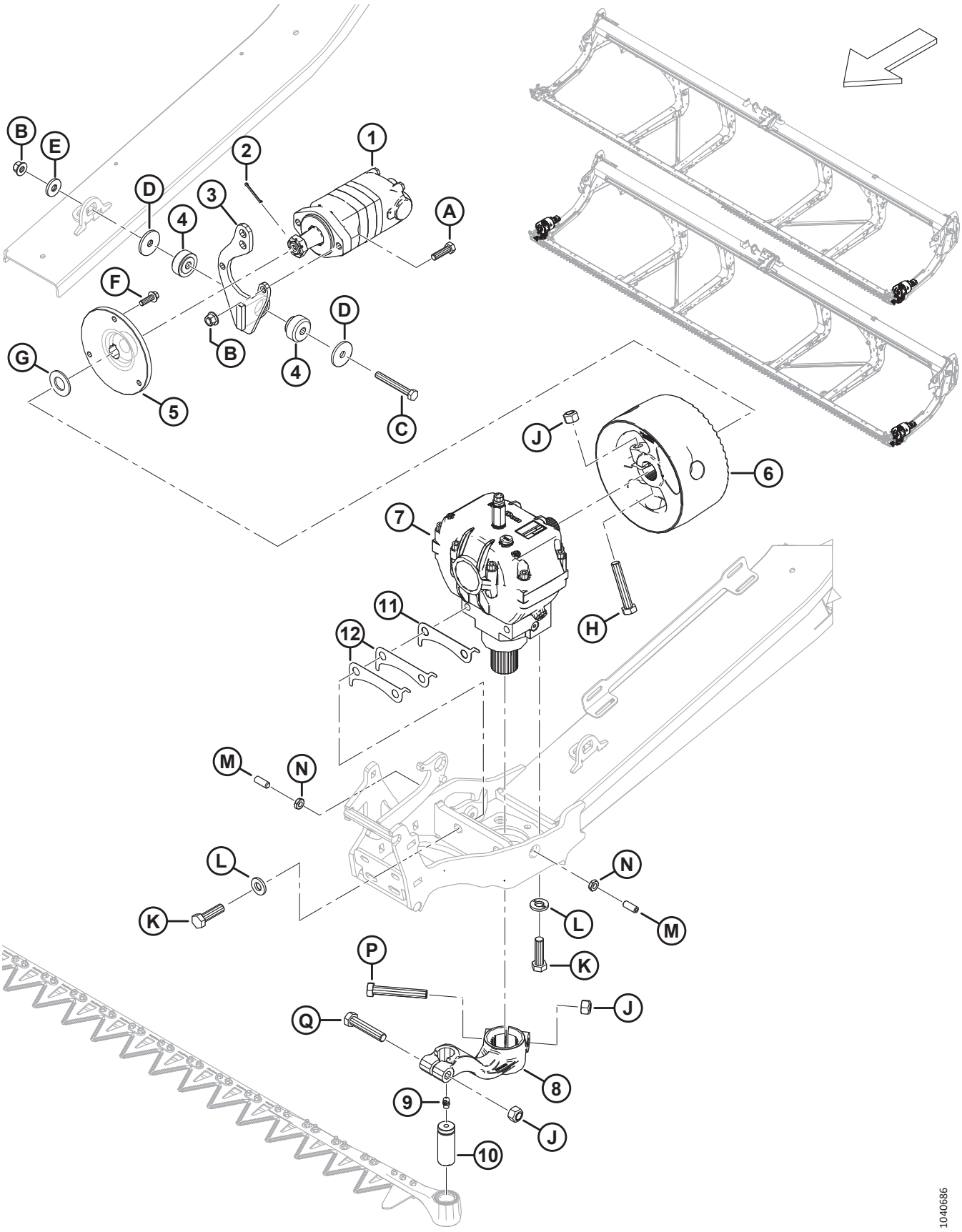
191. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), six knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), four center coarse knife segments (MD #286564), one RH tail coarse knife segment (MD #286865), and one LH tail coarse knife segment (MD #286917).
192. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), six knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), four center fine knife segments (MD #286581), one RH tail fine knife segment (MD #286870), and one LH tail fine knife segment (MD #286918).
193. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), six knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), four center ultra coarse knife segments (MD #286760), one RH tail ultra coarse knife segment (MD #286875), and one LH tail ultra coarse knife segment (MD #286919).
194. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259).
195. Quantities (individual sections): 236. Sections are sold in packs of 25 only.
196. Quantities (individual sections): 5. Sections are sold in packs of 10 only.
197. Quantities (individual sections): 2. Sections are sold in packs of 10 only.


1044404

Ref	Part Number	Description	Qty	Serial Number
11	**286861**	**KIT – CLEARCUT COARSE CENTER** [198]		
	286862	**KIT – CLEARCUT FINE CENTER** [199]	**OPT**	
	286863	**KIT – CLEARCUT ULTRA COARSE CENTER** [200]	**OPT**	
12	**226983**	**SECTION – END**	**2**	
13	**226941**	**KNIFE HEAD ASSEMBLY**	**2**	
	115670	**O-RING – 1.78 X 34.64**		
	113937	**DISC**		
	113222	**SEAL KIT**		
	100500	**BEARING – NEEDLE**		
14	**286481**	**BAR – REINFORCEMENT (25 PACK)** [201]		
15	**286362**	**BAR – KNIFE OVERLAP GUIDE**	**1**	
16	**286363**	**BAR – WEAR**	**1**	
A	**286475**	**SCREW – M6 X 18 MM, C/W NUT (50 PACK)**		
B	**286476**	**SCREW – M6 X 22 MM, C/W NUT (25 PACK)**		
C	**286477**	**SCREW – M6 X 29 MM, C/W NUT (25 PACK)**		
D	**286478**	**SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)**		
E	**286479**	**NUT – CTR LOC CSK M6 X 1 (50 PACK)**		
F	**286621**	**SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)**		

198. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
199. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
200. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
201. Quantities (individual bars): 60. Reinforcement bars are sold in packs of 25 only.

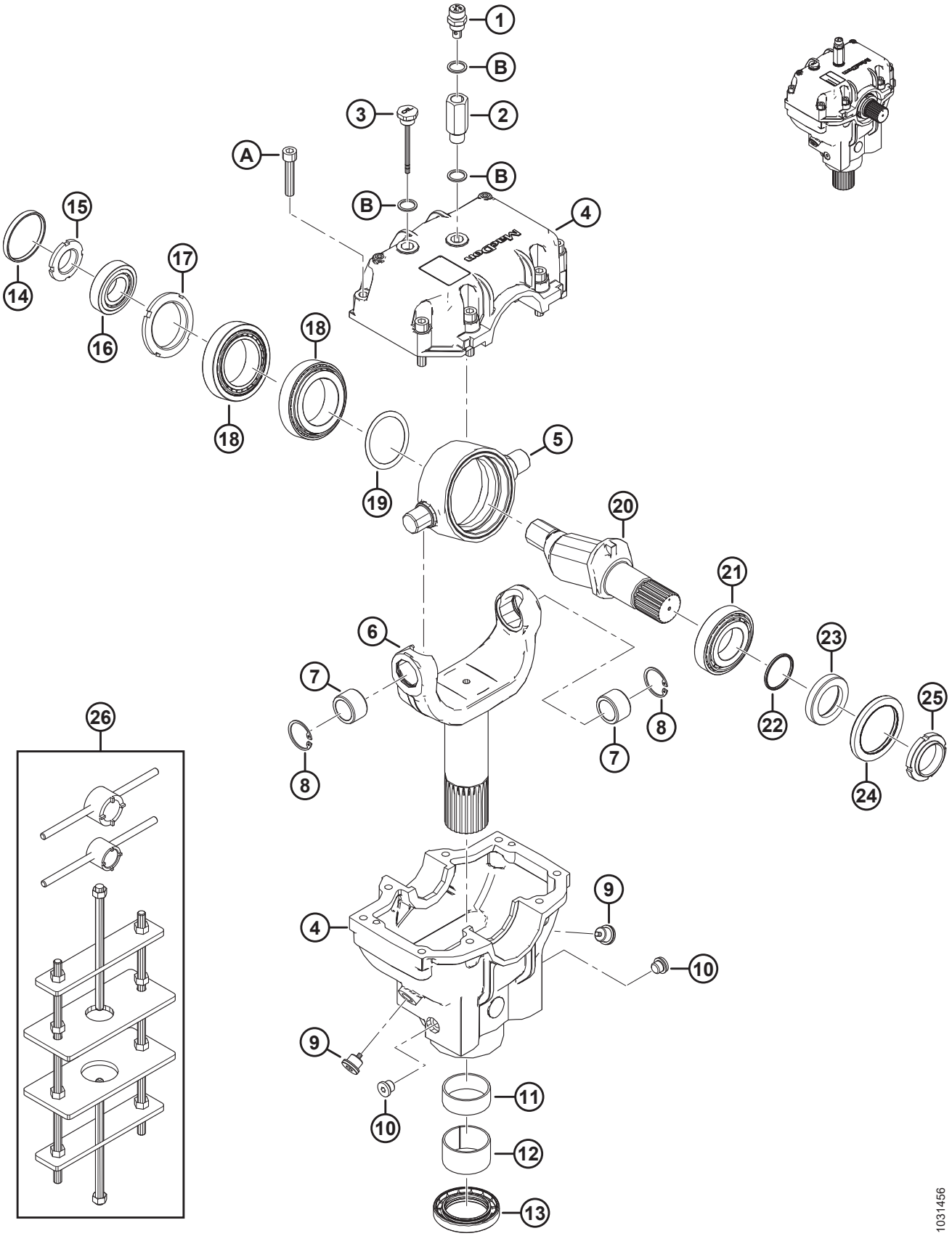
50 Knife Drive – Single and Double Knife



Ref	Part Number	Description	Qty	Serial Number
1	283002	MOTOR – EATON 2000 100 CC [202]	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0 -20 UNEF		
2	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
3	286826	SUPPORT – WELDT SAE-A MOTOR	1	
4	143107	BUSHING – RUBBER [203]	1	
5	286087	HUB – MACHINED	1	
6	286703	FLYWHEEL – KNIFE DRIVE C/W DECAL	1	
7	286089	DRIVE – KNIFE [204]	1	
8	226926	ARM – LH KNIFE DRIVE C/W DECAL	1	
	226927	ARM – RH KNIFE DRIVE C/W DECAL (DOUBLE KNIFE ONLY) [205]	1	
9	21194	FITTING – LUBRICATION 90° 1/8 NPT	1	
10	113229	PIN – SICKLE HEAD	1	
11	226400	SHIM – KNIFE DRIVE BOX, 1.2 MM [206]		
12	360870	SHIM – KNIFE DRIVE BOX, 0.6 MM [206]		
A	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J	2	
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10	3	
C	184673	BOLT – HEX HD M12 X 1.75 X 90-10.9-AA1J	1	
D	11695	WASHER – FLAT	2	
E	4761	WASHER – FLAT	1	
F	184663	BOLT – HEX HD TFL M10 X 1.5 X 30-10.9-AA1J	3	
G	18603	WASHER – FLAT SAE 1 1/16 ID X 2.0 IN OD AA1J	1	
H	320214	BOLT – HEX HD M16 X 2 X 90-10.9-ZINC	1	
J	320026	NUT – HEX TOP LOCK M16 X 2-10-ZINC	3	
K	320311	BOLT – HEX HD M16 X 2 X 55-12.9-ZINC	4	
L	120901	WASHER – HARD L9 SPCL 5/8-82/85 HR 15N-AB0C	4	
M	320089	SCREW – SET M12 X 1.75 X 30 [207]	2	
N	184696	NUT – HEX THIN M12 X 1.75-05-AA1J	2	
P	320215	BOLT – HEX HD M16 X 2 X 100-10.9-ZINC	1	
Q	152602	BOLT – HEX HD M16 X 2 X 80-10.9-AA1J	1	

202. Motor includes seal kit (MD #174304), key, and slotted nut (MD #137375).
203. The rubber bushing (MD #143107) includes both halves shown in the illustration.
204. For repair parts, refer to Section *51 Knife Drive Box, page 123*.
205. Double-knife headers only.
206. Shim quantity varies for assembly clearances. Maximum allowable shims is four 1.2 mm shims (MD #226400) (or three 1.2 mm shims and two 0.6 mm shims [MD #360870]).
207. Set screw is used to adjust knife drive (MD #286089) left to right within the specified tolerance. Tighten lock nut (MD #184696) once knife drive has been adjusted correctly.

51 Knife Drive Box

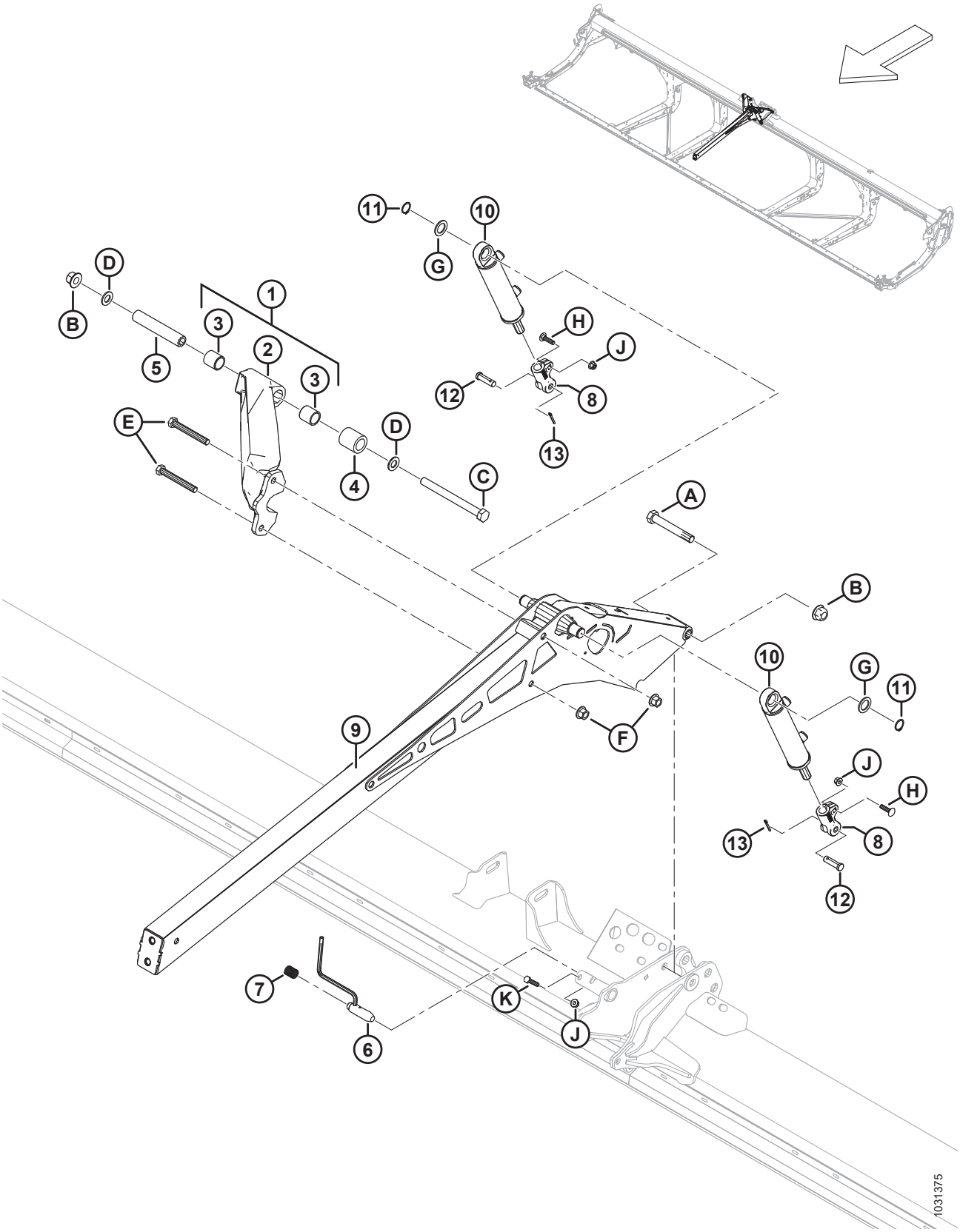


KNIFE DRIVE BOX

Ref	Part Number	Description	Qty	Serial Number
	286089	DRIVE – KNIFE		
1	286489	PLUG – BREATHER	1	
2	257089	EXTENSION	1	
3	286490	PLUG – LEVEL	1	
4	286485	CASTING – KNIFE DRIVE BOX [208]	1	
5	100721	PIVOT	1	
6	286483	YOKE	1	
7	100723	BUSHING – BRONZE	2	
8	100722	RING – RETAINING INTERNAL	2	
9	286488	PLUG – DRAIN	2	
10	252423	PLUG – DRAIN	2	
11	100726	BUSHING – STEEL	1	
12	286486	BUSHING – STEEL	1	
13	286445	SEAL – OIL	1	
14	100719	CAP – DUST	1	
15	100718	NUT – SPECIAL LOCK M30 X 1.5 CLASS 8.8	1	
16	100717	ASSSEMBLY – BEARING (CUP AND CONE)	1	
17	100715	NUT – SPECIAL LOCK M55 X 2 CLASS 8.8	1	
18	100720	ASSEMBLY – BEARING (CUP AND CONE)	2	
19	113152	KIT – SHIM	1	
20	100710	SHAFT	1	
21	100714	BEARING – ASSEMBLY CUP AND CONE	1	
22	100712	O-RING – 2.62 X 40.95	1	
23	102629	SPACER	1	
24	102630	SEAL – OIL (DOUBLE LIP)	1	
25	100709	NUT – SPECIAL M40 X 1.5 CLASS 8.8	1	
26	139003	KIT – WOBBLE BOX TOOL [209]	A/R	
A	113153	SCREW – HEX SOC HD M10 X 1.5 X 50-8.8-BO		
B	257054	WASHER – COPPER		

208. The knife drive box casting includes top and bottom knife drive box castings and eight screws (MD #113153).
209. The kit includes large socket tool, small socket tool, and wobble box jig frame.

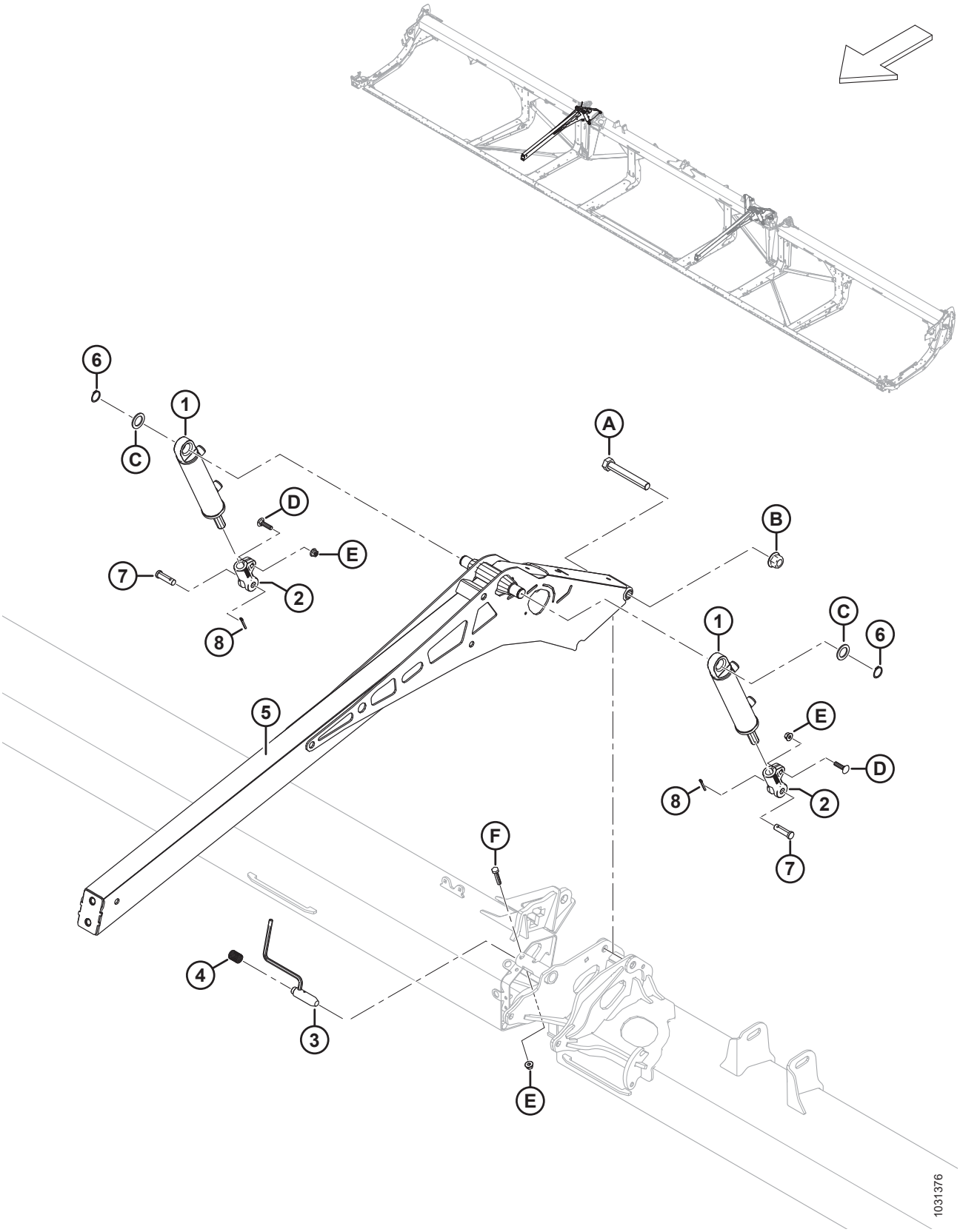
52 Reel Support Arm and Lift Cylinders – Center Arm (FD230, FD235, FD240, and FD241)



Ref	Part Number	Description	Qty	Serial Number
1	311627	BRACE – SUB ASSY C/W BUSHINGS [210]	1	
2	NSS	BRACE – MACHINED [211]	1	
3	311613	BUSHING	2	
4	311612	SPACER – BRACE REEL PIVOT	1	
5	311611	TUBE – PIVOT REEL BRACE	1	
6	273680	WELDT – PIN	1	
7	289880	SPRING – COMPRESSION	1	
8	273860	CLEVIS – CYL END MACHINED	2	
9	273795	ARM – CENTER WELDT	1	
10	273790	CYLINDER – HYD	2	
	311285	SEAL KIT		
11	30144	RING – EXT RETAINING	2	
12	18621	PIN – CLEVIS	2	
13	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
A	320196	BOLT – HEX HD M20 X 2.5 X 140-SPCL-10.9-ZINC		
B	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		
C	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
D	136701	WASHER – NORDLOCK M20		
E	320168	BOLT – HEX HD M16 X 2 X 125-8.8-ZINC		
F	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
G	156178	WASHER – THRUST		
H	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
K	30629	BOLT – HEX HD M10 X 1.5 X 50-8.8-A3L		

210. Includes machined brace (NSS) and two bushings (MD #311613).
211. Not sold separately; to service this part, order brace assembly complete with bushings (MD #311627).

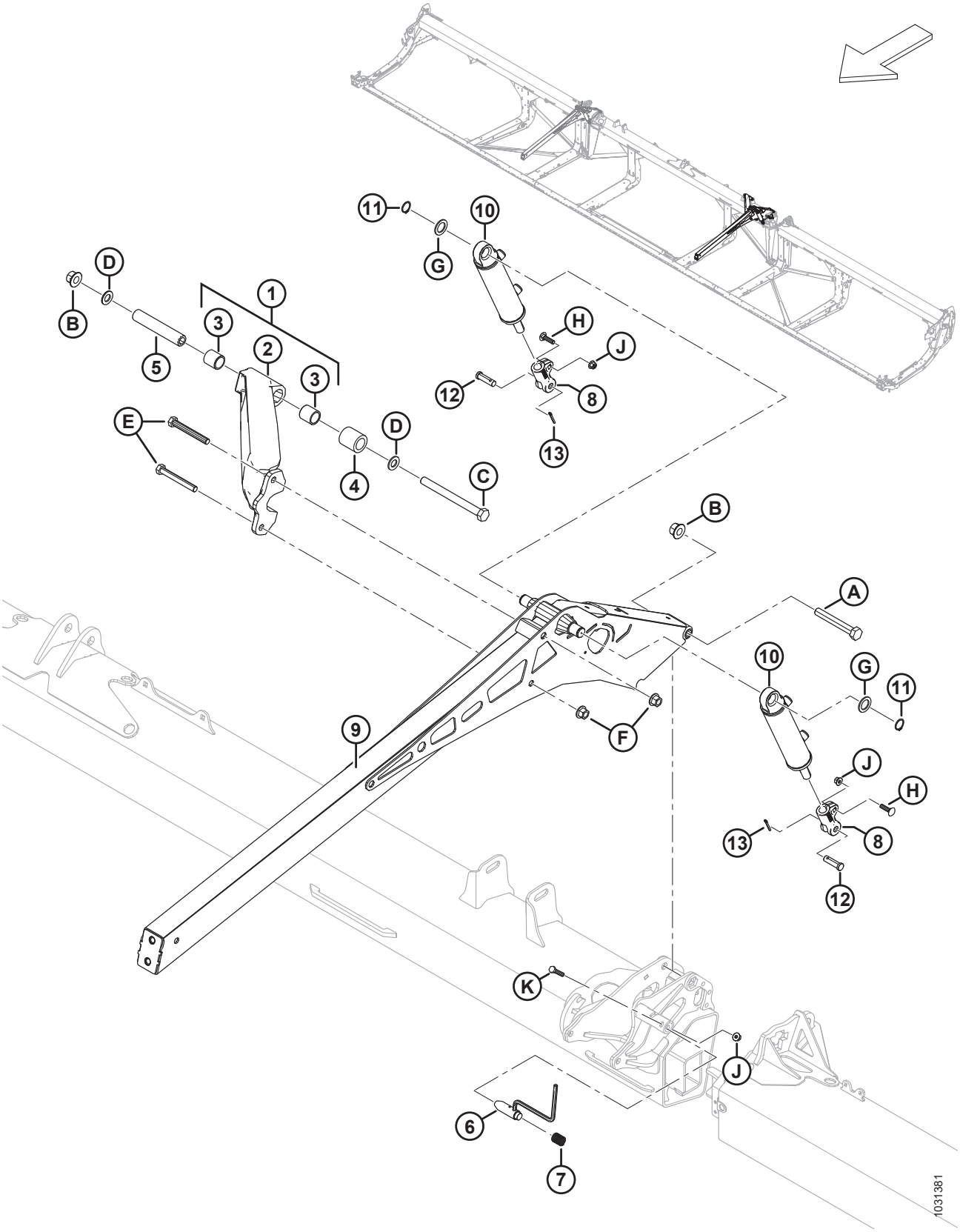
53 Reel Support Arm and Lift Cylinders – Center Arm, Right Side (FD240, FD245, FD250, and FD261)



REEL SUPPORT ARM AND LIFT CYLINDERS – CENTER ARM, RIGHT SIDE (FD240, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	273790	CYLINDER – HYD	2	
	311285	SEAL KIT		
2	273860	CLEVIS – CYL END MACHINED	2	
3	273680	WELDT – PIN	1	
4	289880	SPRING – COMPRESSION	1	
5	273795	ARM – CENTER WELDT	2	
6	30144	RING – EXT RETAINING	2	
7	18621	PIN – CLEVIS	2	
8	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
A	320196	BOLT – HEX HD M20 X 2.5 X 140-SPCL-10.9-ZINC	2	
B	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J	3	
C	156178	WASHER – THRUST	4	
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J	4	
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10	6	
F	30629	BOLT – HEX HD M10 X 1.5 X 50-8.8-A3L	2	

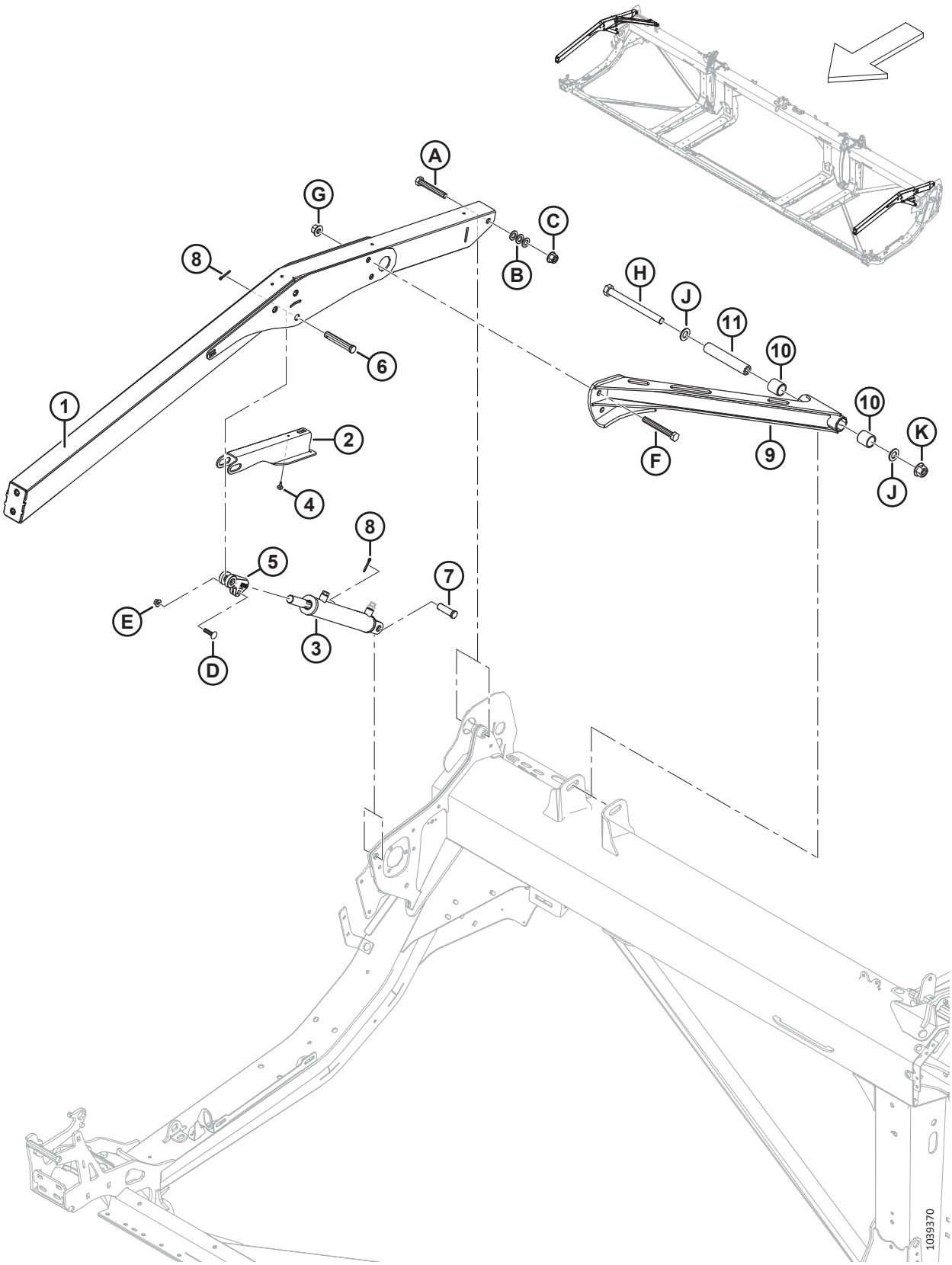
54 Reel Support Arm and Lift Cylinders – Center Arm, Left Side (FD240, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	311627	BRACE – SUB ASSY C/W BUSHINGS [212]	1	
2	NSS	BRACE – MACHINED [213]	1	
3	311613	BUSHING	2	
4	311612	SPACER – BRACE REEL PIVOT	1	
5	311611	TUBE – PIVOT REEL BRACE	1	
6	273680	WELDT – PIN	1	
7	289880	SPRING – COMPRESSION	1	
8	273860	CLEVIS – CYL END MACHINED	2	
9	273795	ARM – CENTER WELDT	1	
10	273791	CYLINDER – HYD	2	
	313794	SEAL KIT		
11	30144	RING – EXT RETAINING	2	
12	18621	PIN – CLEVIS	2	
13	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
A	320196	BOLT – HEX HD M20 X 2.5 X 140-SPCL-10.9-ZINC		
B	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		
C	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
D	136701	WASHER – NORDLOCK M20		
E	320168	BOLT – HEX HD M16 X 2 X 125-8.8-ZINC		
F	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
G	156178	WASHER – THRUST		
H	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
K	30629	BOLT – HEX HD M10 X 1.5 X 50-8.8-A3L		

212. Assembly includes machined brace (NSS) and two bushings (MD #311613).
213. Not sold separately; to service this part, order brace assembly complete with bushings (MD #311627).

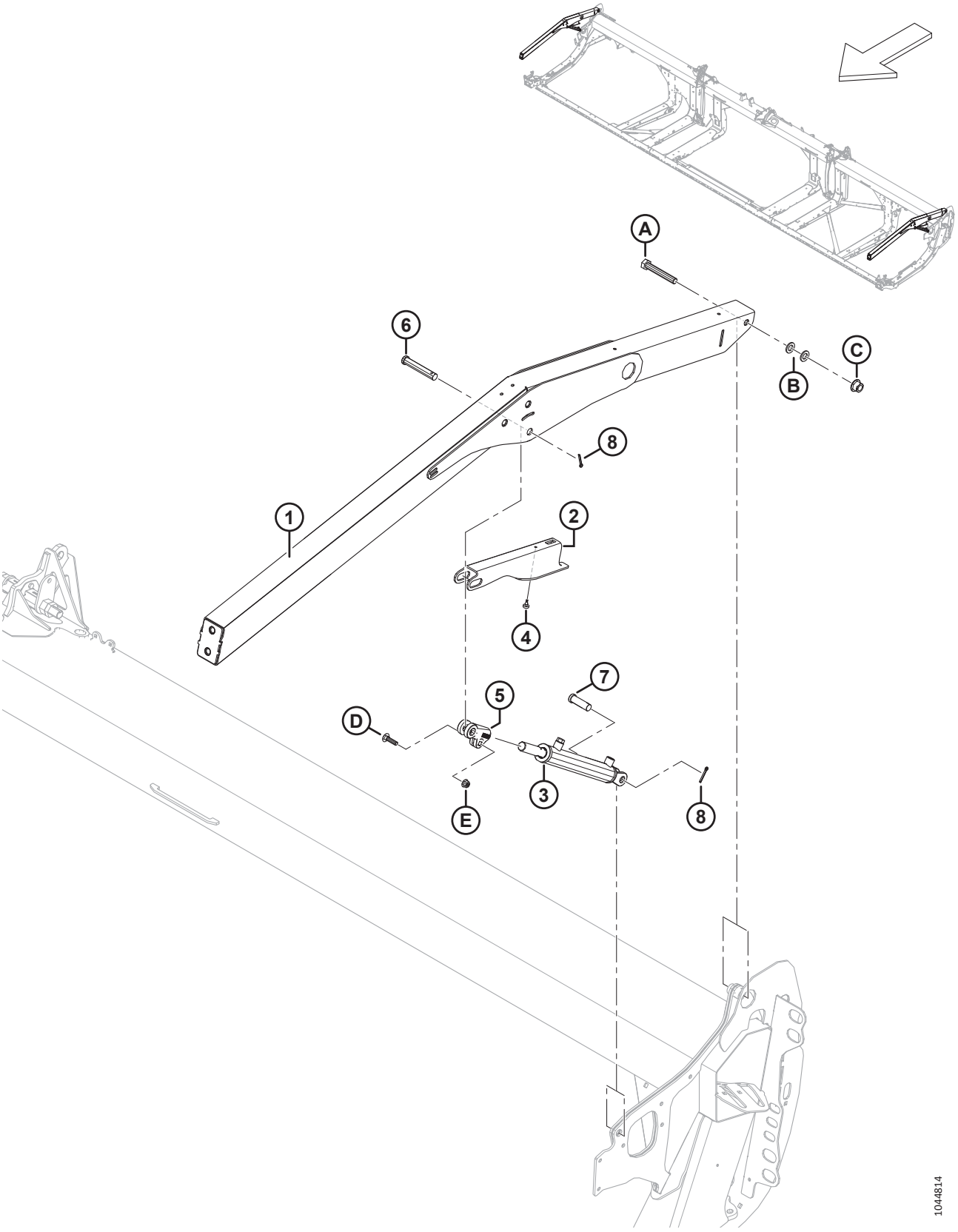
55 Reel Support Arm and Lift Cylinders – Outer Arms, Single Reel



Ref	Part Number	Description	Qty	Serial Number
1	360035	ASSY – SR OUTER ARM W/ DECAL [214]	2	
2	340191	SUPPORT – REEL PROP	2	
3	273788	CYLINDER – HYD (RH) [215]	1	
	323687	SEAL KIT		
	273789	CYLINDER – HYD (LH) [215]	1	
	323688	SEAL KIT		
	174879	BREATHER – ORB #6		
4	273653	BUMPER – RUBBER	2	
5	228338	CLEVIS – CYL END MACHINED	2	
6	18629	PIN – CLEVIS	2	
7	18626	PIN – CLEVIS (RH) [216]	1	
	322970	PIN – CLEVIS 3/4 X 1-31/32 (LH) [216]	1	
8	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
9	340648	BRACE – SR W/ BUSHINGS [217]	1	
10	311613	BUSHING	2	
11	311611	TUBE – PIVOT REEL BRACE	1	
A	136310	BOLT – HEX HD M16 X 2 X 105-SPCL-8.8-AA1J		
B	184717	WASHER – FLAT REG M16-200HV-AA1J		
C	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	320168	BOLT – HEX HD M16 X 2 X 125-8.8-AA1J		
G	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
H	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
J	136701	WASHER – NORDLOCK M20		
K	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		

214. Arm includes two reel entanglement hazard decals (MD #360541).
215. For RH cylinder (MD #273788), order seal kit (MD #323687); for LH cylinder (MD #273789), order seal kit (MD #323688).
216. To secure the RH cylinder to the right endsheet, use clevis pin (MD #18626); to secure the LH cylinder to the left endsheet, use clevis pin (MD #322970).
217. The brace includes two bushings (MD #311613).

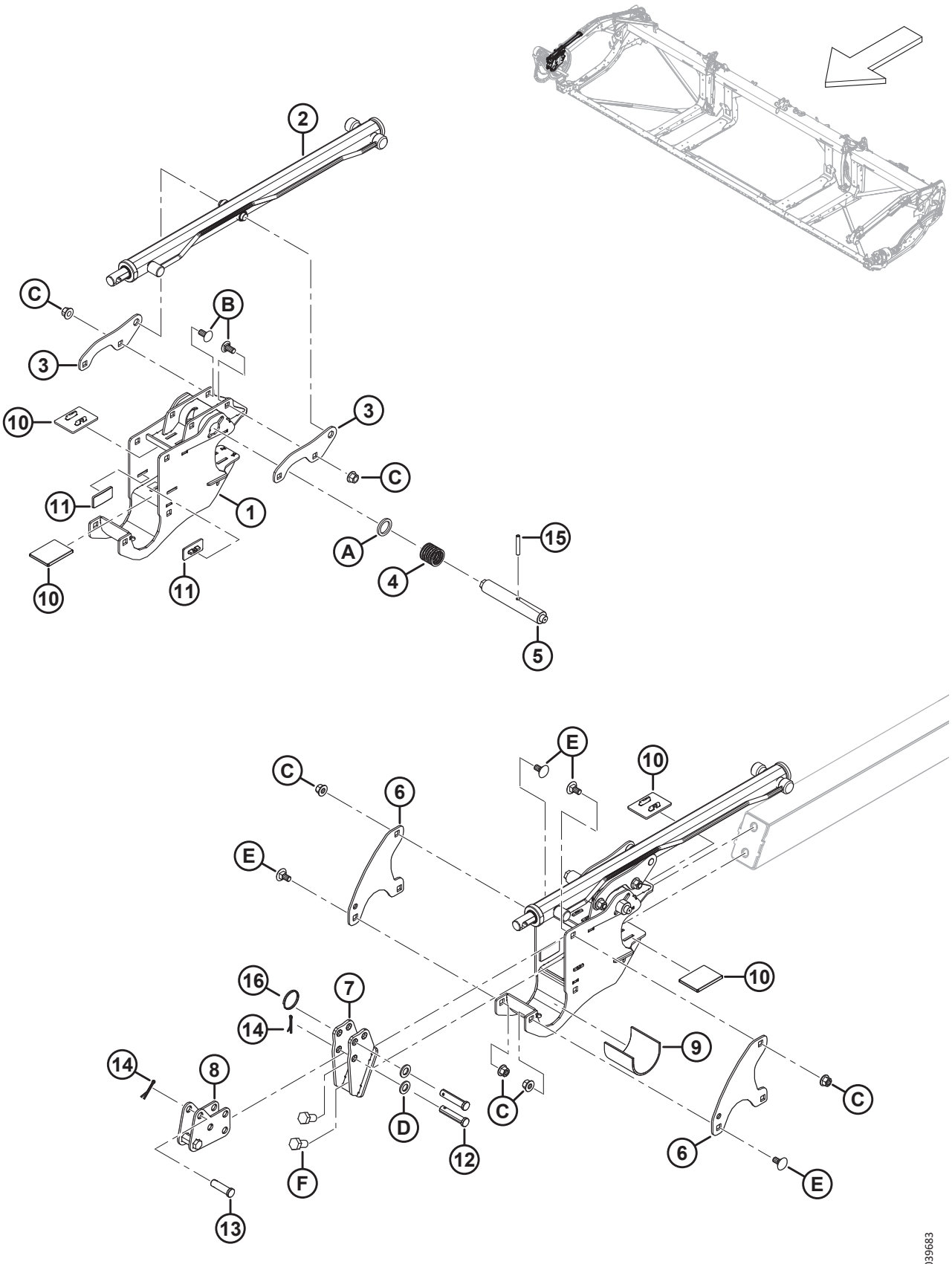
56 Reel Support Arm and Lift Cylinders – Outer Arms, Double and Triple Reel



Ref	Part Number	Description	Qty	Serial Number
1	311949	ARM – OUTER W/ DECAL [218]	2	
2	340191	SUPPORT – REEL PROP	2	
3	273787	CYLINDER – HYD	2	
	311284	SEAL KIT		
	174879	BREATHER – ORB #6		
4	273653	BUMPER – RUBBER	2	
5	228338	CLEVIS – CYL END MACHINED	2	
6	18629	PIN – CLEVIS	2	
7	18626	PIN – CLEVIS	2	
8	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
A	136310	BOLT – HEX HD M16 X 2 X 105-SPCL-8.8-AA1J		
B	184717	WASHER – FLAT REG M16-200HV-AA1J		
C	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

218. Arm includes two reel entanglement hazard decals (MD #360541).

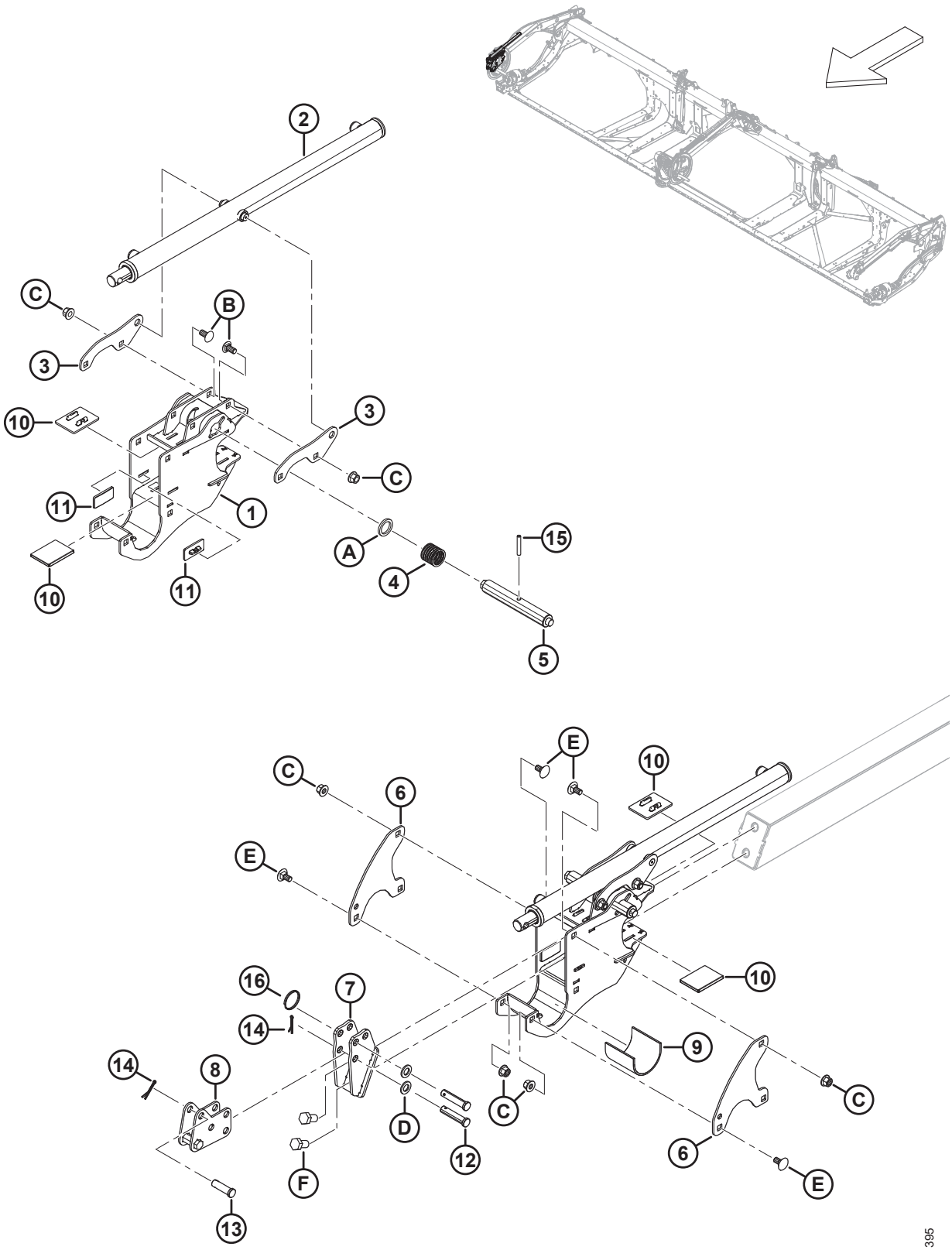
57 Reel Arm Components – Right Arm, Single Reel (FD225)



Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL C/W DECAL	1	
2	273283	CYLINDER – FORE AFT [219]	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273278	PIN – CAM LATCH, DRIVES RH	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	**18468**	**PIN – COTTER 3/16 DIA X 1.25 ZP**	**2**	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

219. Right arm, single reel only.

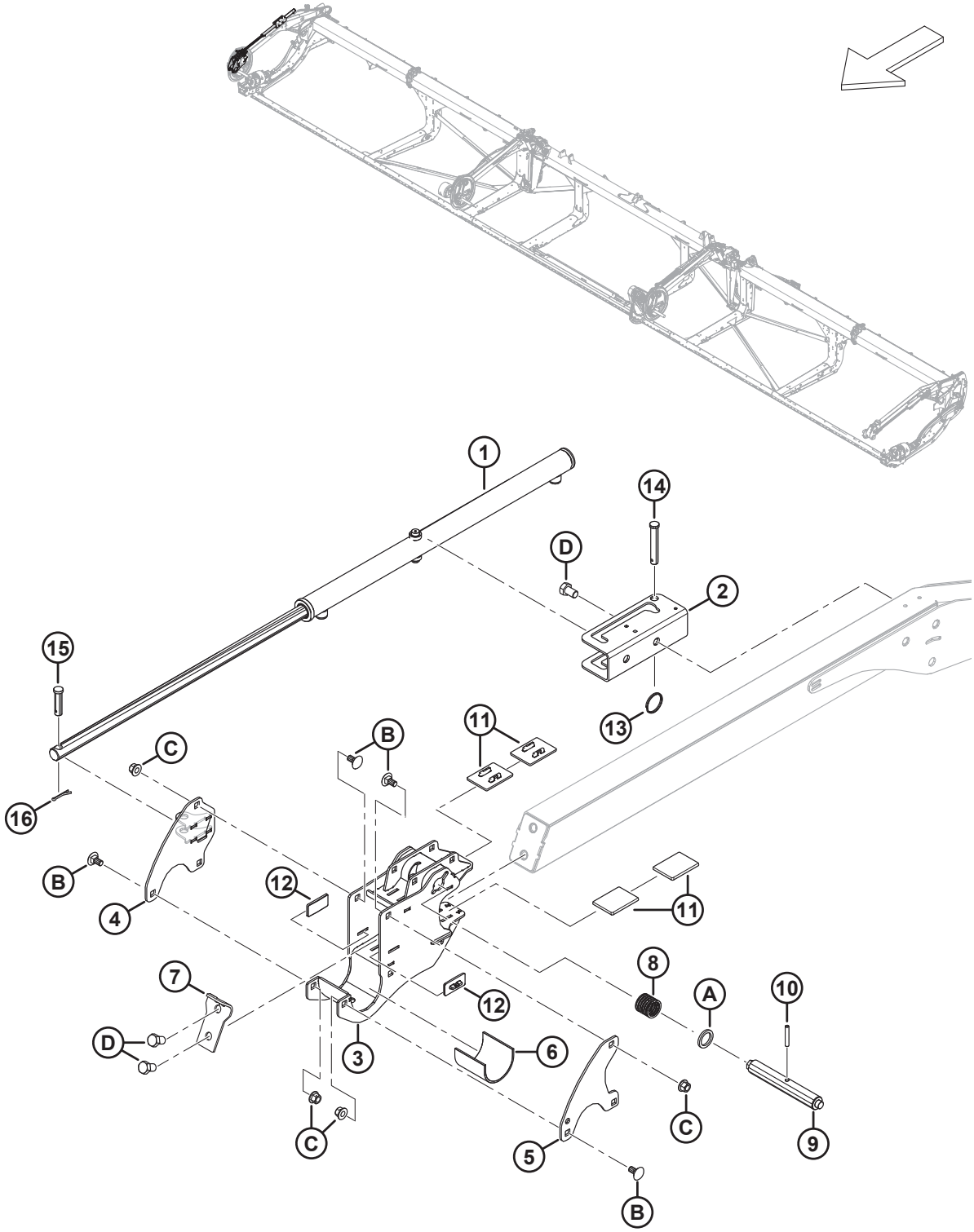
58 Reel Arm Components – Right Arm, Double Reel (FD230, FD235, FD240, and FD241)



REEL ARM COMPONENTS – RIGHT ARM, DOUBLE REEL (FD230, FD235, FD240, AND FD241)

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL CENTER C/W DECAL	1	
2	273284	CYLINDER – FORE AFT (RIGHT ARM ONLY)	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273281	PIN – CAM LATCH RH CAMS	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	**18648**	**PIN – COTTER 3/16 DIA X 1.25 ZP**	**3**	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

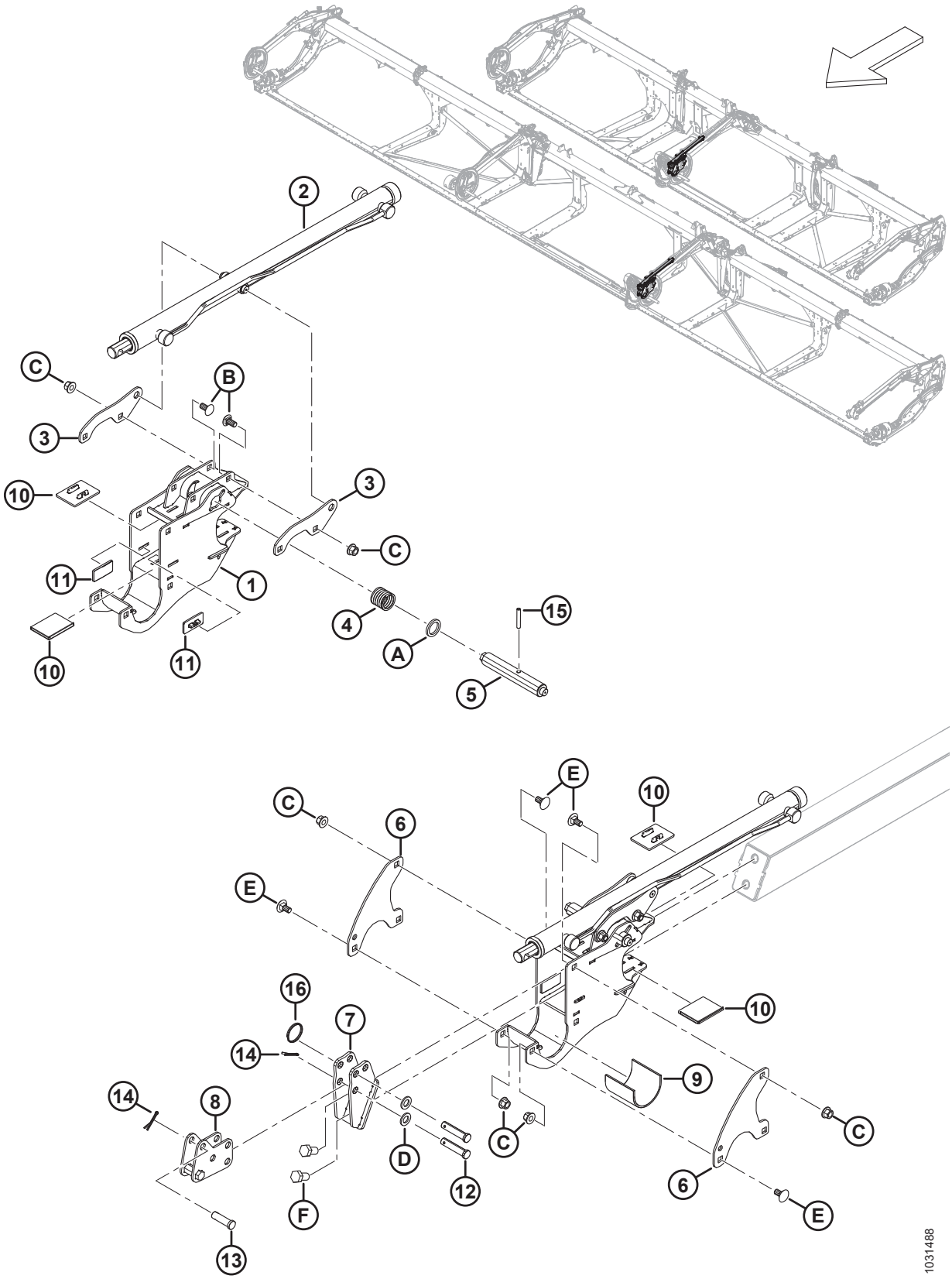
59 Reel Arm Components – Right Arm, Triple Reel (FD240, FD245, FD250, and FD261)



REEL ARM COMPONENTS – RIGHT ARM, TRIPLE REEL (FD240, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	273284	CYLINDER – FORE AFT	1	
	313964	SEAL KIT		
2	273637	BRACKET – CYLINDER MOUNT	1	
3	340224	SUPPORT – REEL CENTER C/W DECAL	1	
4	340571	BRACKET WELDT – FORE AFT RH CAM	1	
5	273122	PLATE – REEL RETAINER	1	
6	228381	SLEEVE – REEL HUB SUPPORT	1	
7	311359	PLATE – STOP REEL	1	
8	273861	SPRING – COMP - LEFT HAND HELIX	1	
9	273281	PIN – CAM LATCH RH CAMS	1	
10	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
11	273831	PAD – REEL DRIVE WEAR	4	
12	273777	PAD – REEL DRIVE WEAR	2	
13	320207	RING – SPLIT	1	
14	19958	PIN – CLEVIS	1	
15	103879	PIN – CLEVIS	1	
16	**18648**	**PIN – COTTER 3/16 DIA X 1.25 ZP**	**1**	
A	273304	WASHER – CAM LATCH		
B	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

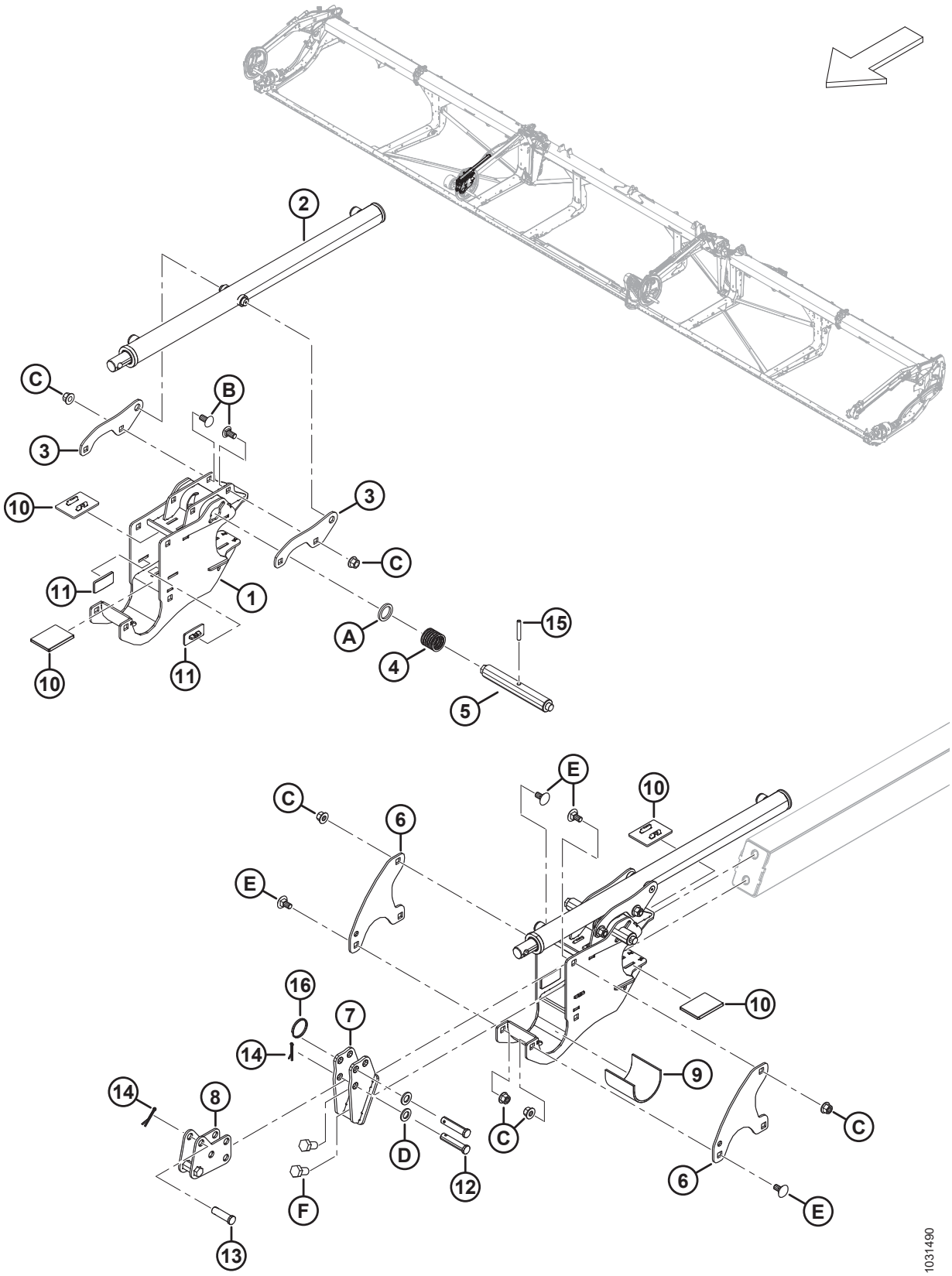
60 Reel Arm Components – Center Arm (FD230, FD235, FD240, FD241, FD245, FD250, and FD261)



REEL ARM COMPONENTS – CENTER ARM (FD230, FD235, FD240, FD241, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL CENTER C/W DECAL	1	
2	273283	CYLINDER – FORE AFT	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273278	PIN – CAM LATCH-DRIVES AND RH CTR	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	**18648**	**PIN – COTTER 3/16 DIA X 1.25 ZP**	**3**	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

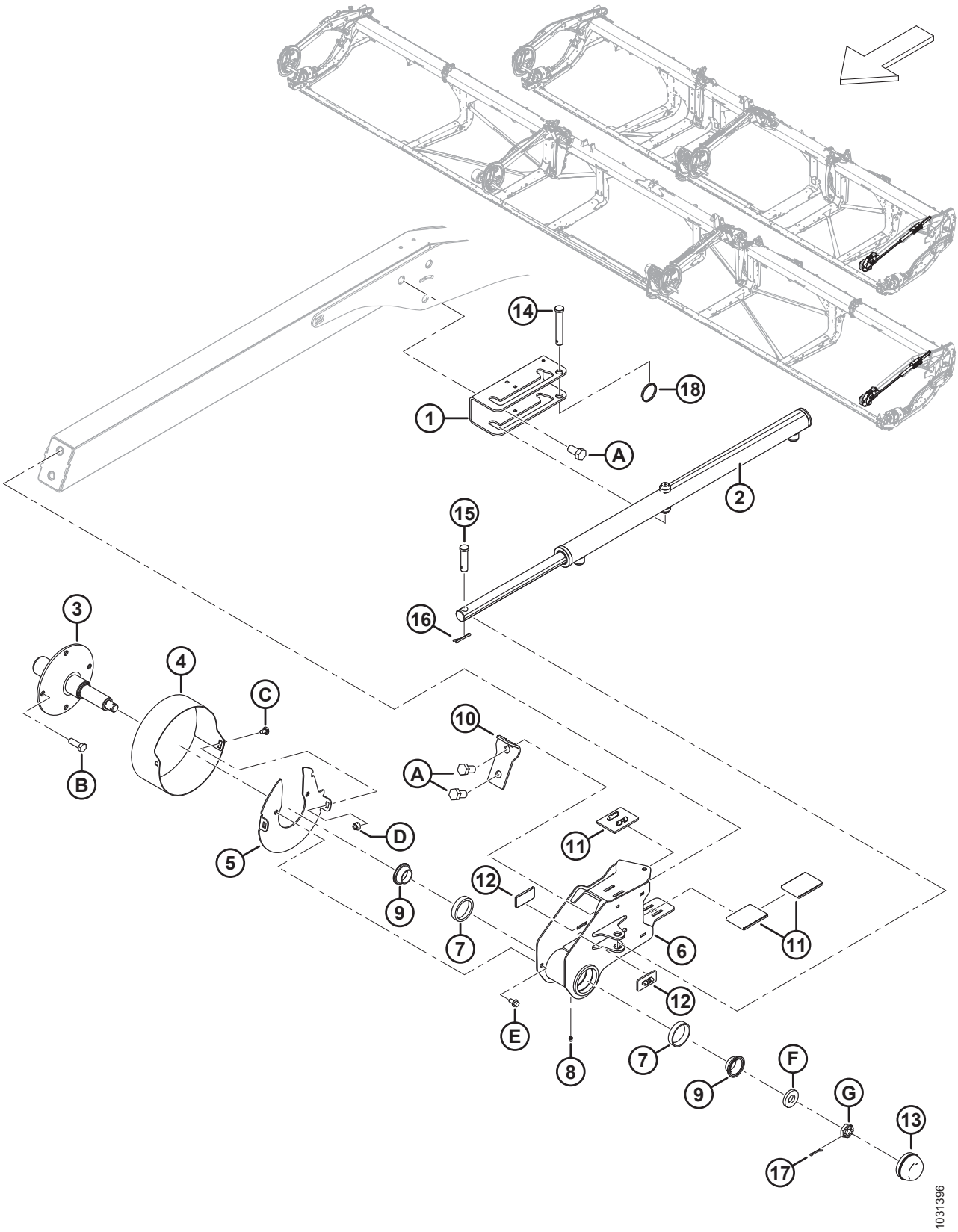
61 Reel Arm Components – Center Right Arm, Triple Reel (FD240, FD245, FD250, and FD261)



REEL ARM COMPONENTS – CENTER RIGHT ARM, TRIPLE REEL (FD240, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL CENTER C/W DECAL	1	
2	273284	CYLINDER – FORE AFT	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273278	PIN – CAM LATCH-DRIVES AND RH CTR	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	**18648**	**PIN – COTTER 3/16 DIA X 1.25 ZP**	**3**	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

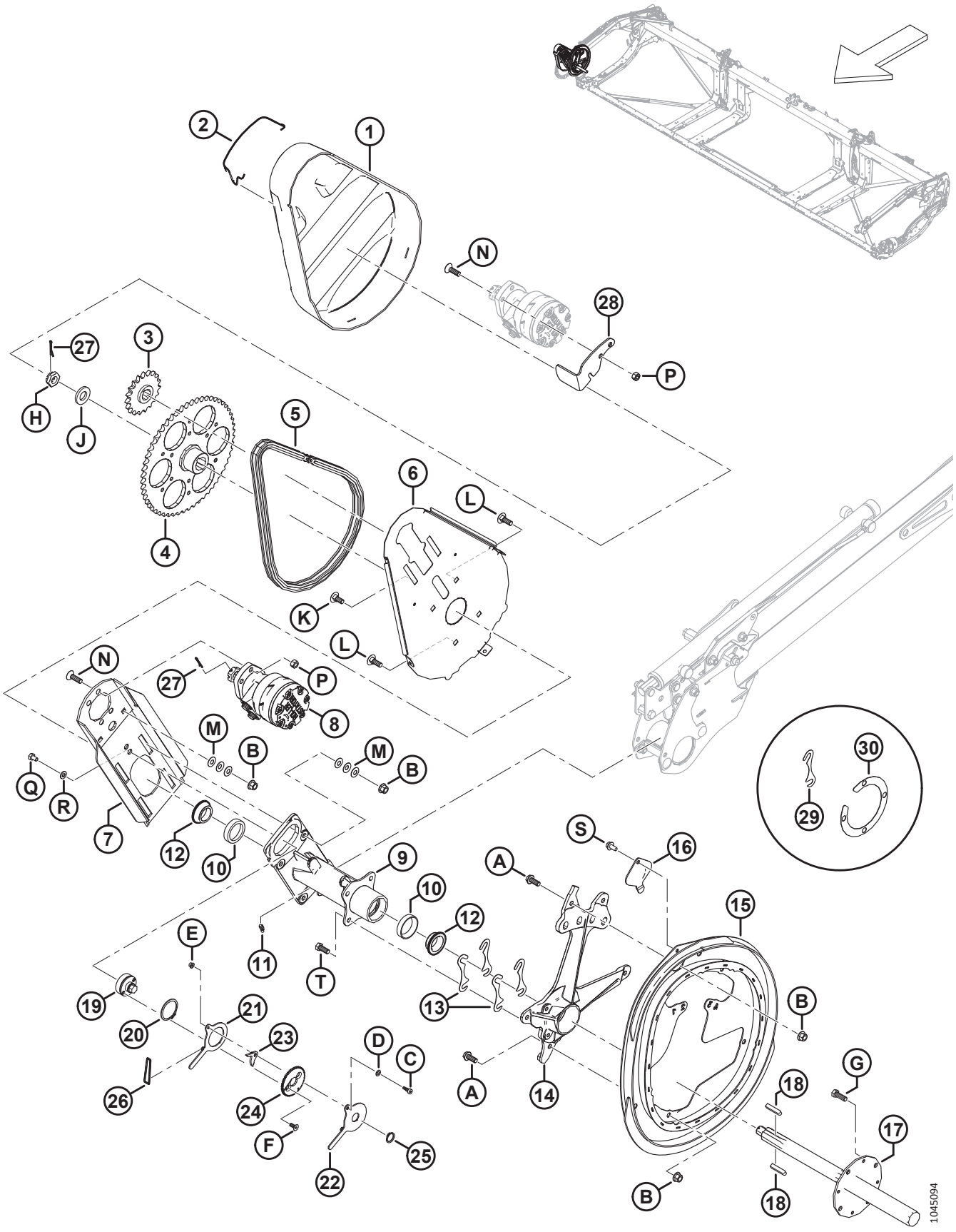
62 Reel Arm Components – Left Arm (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	273637	BRACKET – CYLINDER MOUNT	1	
2	273284	CYLINDER – FORE AFT	1	
	313964	SEAL KIT		
3	228322	SHAFT – TAIL MACHINED	1	
4	273309	SHIELD – LH REEL TAIL END	1	
5	311632	DISC – WELDMENT	1	
6	273772	TAIL END REEL SUPPORT – C/W CUPS [220]	1	
7	164215	BEARING – CUP ROLLER	2	
8	18671	FITTING – LUBE 1/4 - 28 UNF	1	
9	164216	BEARING – CONE C/W SEAL	2	
10	311359	PLATE – STOP REEL	1	
11	273831	PAD – REEL DRIVE WEAR	3	
12	273777	PAD – REEL DRIVE WEAR	2	
13	30520	CAP – DUST	1	
14	19958	PIN – CLEVIS	1	
15	103879	PIN – CLEVIS	1	
16	**18648**	**PIN – COTTER 3/16 DIA X 1.25 ZP**	**2**	
17	18605	PIN – COTTER 1/8 DIA X 1 ZP	1	
18	320207	RING – SPLIT	1	
A	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
B	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
C	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
F	16235	WASHER – FLAT		
G	136445	NUT – HEX SLTD FINE M20 X 1.5-SPCL-22HA-ZINC		

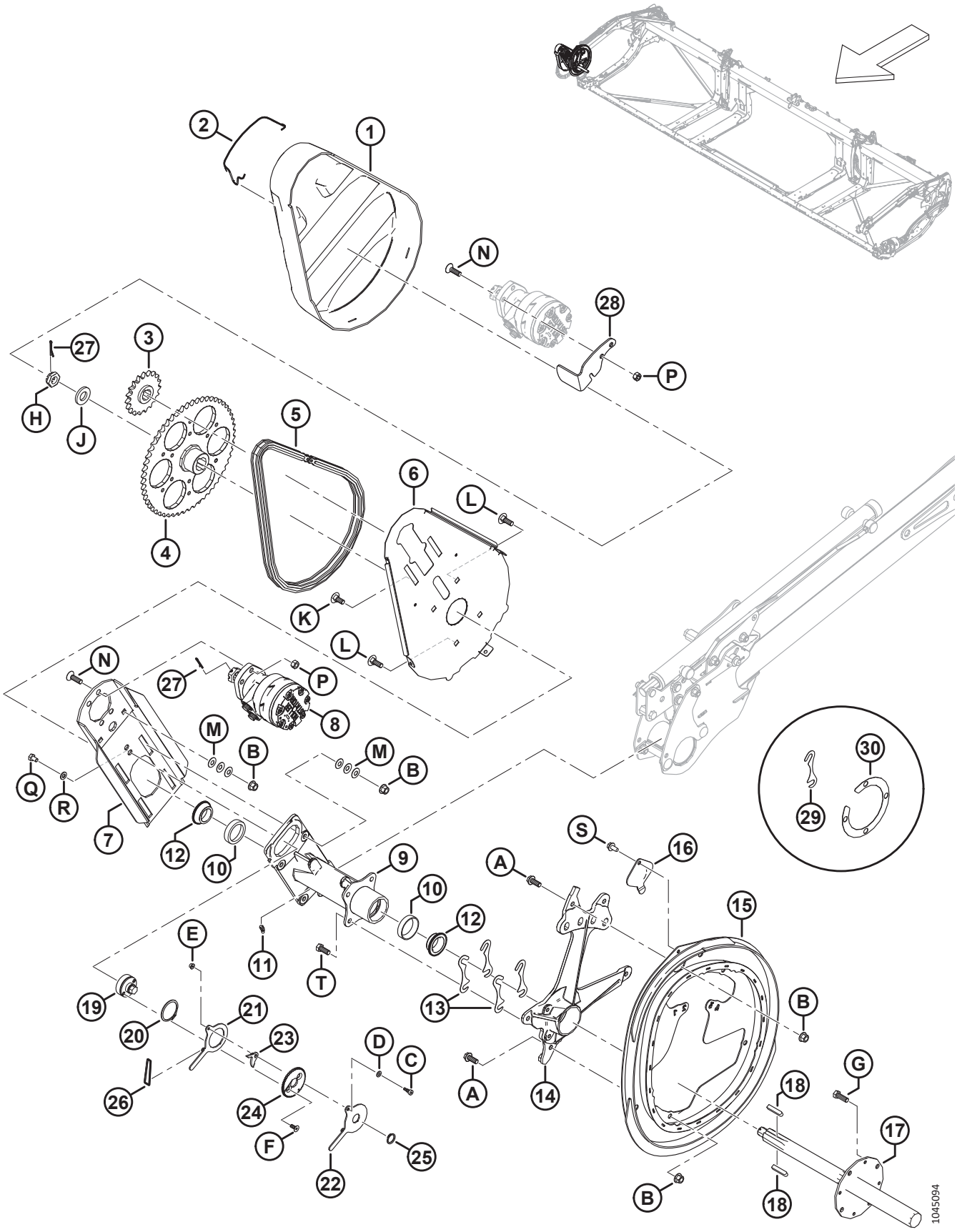
220. The tail end reel support includes lube fitting (MD #18671) and two cup roller bearings (MD #164215).

63 Reel – Drive, Right Arm, Single Reel



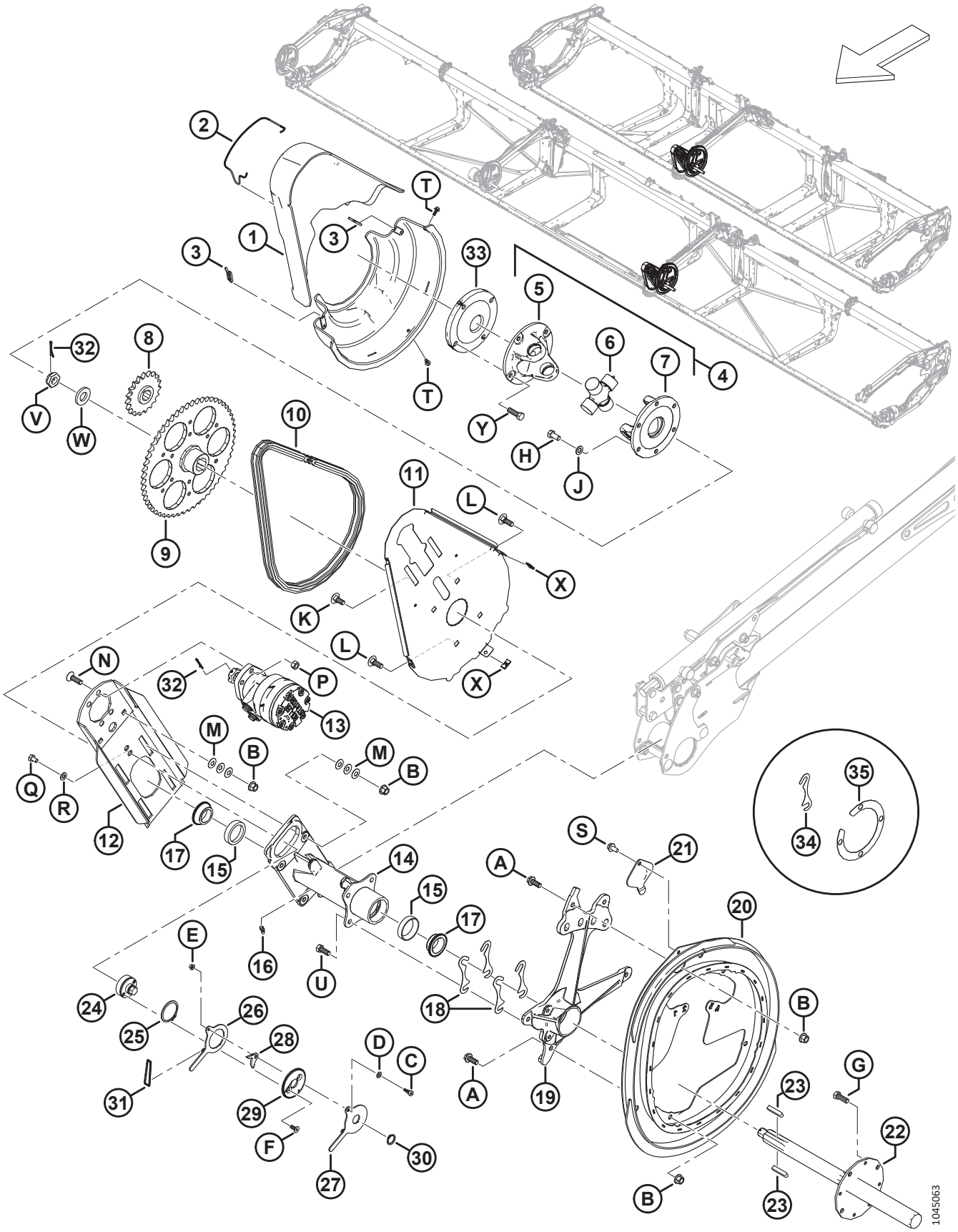
Ref	Part Number	Description	Qty	Serial Number
1	228614	COVER – REEL DRIVE SR	1	
2	228611	SPRING – REEL DRIVE COVER	1	
3	273875	SPROCKET – RC 60, 19 TOOTH [221]	1	
4	228299	SPROCKET – MACHINING 56 TOOTH [222]	1	
5	273907	CHAIN – RC 60 ENDLESS 76 LINKS	1	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS	OPT	
6	228604	SUPPORT – REEL DRIVE BACKPLATE	1	
7	360144	PLATE – MOTOR MOUNT W/ GRAPHITE	1	
8	273258	MOTOR – HYD-15.9 CU.IN. 506 SERIES [223]	1	
	273259	SEAL KIT [224]		
	273078	MOTOR – HYD-260 CC HIGH CAPACITY BEARING [225]	OPT	
	311620	SEAL KIT [226]		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
9	273758	HUB – REEL DRIVE [227]	1	
10	164214	BEARING – CUP	2	
11	21301	FITTING – LUBRICATION	1	
12	164213	BEARING – CONE C/W SEAL	2	
13	164061	SHIM – HUB TO CAM	4	
14	228292	SUPPORT – CAM MACHINING	1	
15	273926	CAM – WELDMENT	1	
16	137476	COVER – CAM BEARING ACCESS	1	
17	228301	SHAFT – REEL DRIVE MACHINED	1	
18	137721	KEY – REEL DRIVE SHAFT	2	
19	228460	TIGHTENER – CHAIN	1	
20	111521	RING – RETAINING	1	
21	228478	ARM – INNER	1	
22	228479	ARM – OUTER	1	
23	228485	LATCH	1	
24	228477	DISC – LOCK	1	
25	191353	RING – RETAINING EXTERNAL	1	
26	136882	O-RING – 3.5 X 40.5	1	
27	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
28	360186	RETAINER – COVER	1	
29	**245199**	**SHIM – HUB TO CAM** [228]	**1**	
30	**137753**	**SHIM – RING, 4 BOLT FLANGE** [229]	**2**	

221. Standard 19-tooth drive sprocket. For optional drive sprockets, refer to Section *156 (Option) Reel – Drive, Two Speed Kit, page 381*.
222. Standard 56-tooth driven sprocket. For additional optional 52-tooth driven sprocket, refer to Section *156 (Option) Reel – Drive, Two Speed Kit, page 381*.
223. Standard factory-installed motor.
224. Seal kit for standard motor (MD #273258).
225. Optional high capacity motor for high reel loads.
226. Seal kit for optional high capacity motor (MD #273078).
227. Hub includes two cup bearings (MD #164214) and lubrication fitting (MD #21301).
228. 0.6 mm thick hub-to-cam shim; use only as required.
229. 0.6 mm thick ring shim; use only as required.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
T
1045094

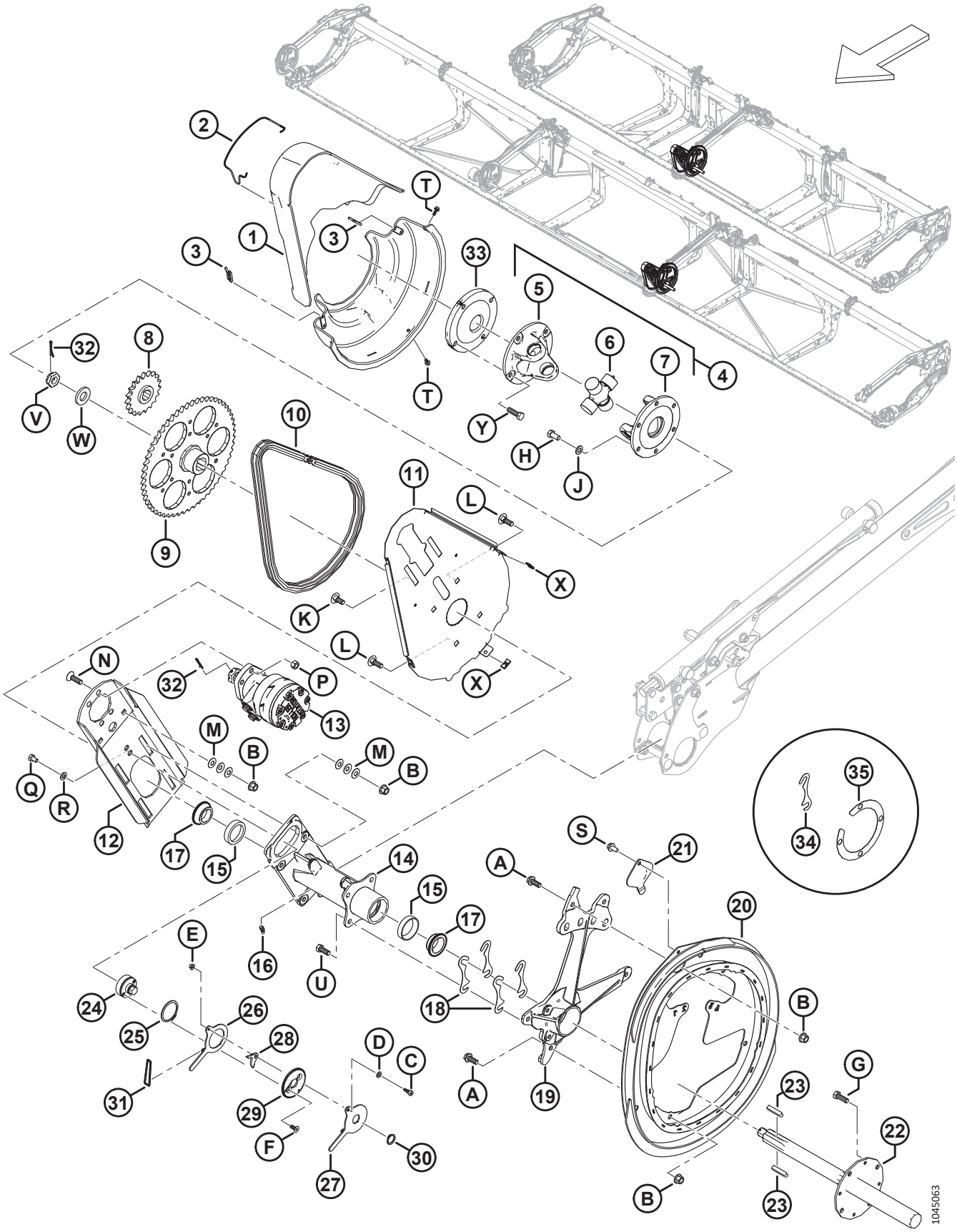
Ref	Part Number	Description	Qty	Serial Number
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	197135	SCREW – HEX SOC HD SHLDR M8 X 10		
D	184708	WASHER – FLAT M8-200HV-AA1J		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
J	31774	WASHER – FLAT 1-1/8-30HRC-AC0C		
K	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
L	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
M	136702	WASHER – CON SPRING M12-ZINC		
N	136401	SCREW – CSK HEX SOC M12 X 1.75 X 40-10.9-AA1J		
P	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
Q	136842	BOLT – HEX HD TFL M10 X 1.5 X 16-8.8-ZINC		
R	30655	WASHER – HARD M10-340HV-AB0C		
S	136209	SCREW – HEX WSHR M10 X 1.5X20-450HV		
T	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		

64 Reel – Drive, Center Arm, Double and Triple Reel



Ref	Part Number	Description	Qty	Serial Number
1	228619	COVER SET – CENTER REEL DRIVE [230]	1	
2	228611	SPRING – REEL DRIVE COVER	1	
3	228848	CLIP – COVER DUAL REEL DRIVE	2	
4	228382	REEL DRIVE U-JOINT [231]	1	
5	228384	YOKE – FLANGE 4 BOLT	1	
6	137825	CROSS JOURNAL ASSEMBLY	1	
7	228385	YOKE – FLANGE 6 BOLT	1	
8	273875	SPROCKET – RC 60, 19 TOOTH **(FD230, FD235, FD240, FD241, FD245, AND FD250)** [232]	1	
	REF	**SPROCKET – DUAL (FD261)** [233]		
9	228299	SPROCKET – MACHINING 56 TOOTH [234]	1	
	NSS	**SPROCKET – MACHINED 52 T** [235]		
10	273907	CHAIN – RC 60 ENDLESS 76 LINKS	1	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS	OPT	
11	228604	SUPPORT – REEL DRIVE BACKPLATE	1	
12	340216	PLATE – MOTOR MOUNT W/ GRAPHITE	1	
13	273258	MOTOR – HYD-15.9 CU.IN. 506 SERIES [236]	1	
	273259	SEAL KIT [237]		
	273078	MOTOR – HYD-260 CC HIGH CAPACITY BEARING [238]	OPT	
	311620	SEAL KIT [239]		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
14	273758	HUB – REEL DRIVE [240]	1	
15	164214	BEARING – CUP	2	
16	21301	FITTING – LUBRICATION	1	
17	164213	BEARING – CONE C/W SEAL	2	
18	164061	SHIM – HUB TO CAM [241]	4	
19	228292	SUPPORT – CAM MACHINING	1	
20	273926	CAM – WELDMENT	1	
21	137476	COVER – CAM BEARING ACCESS	1	

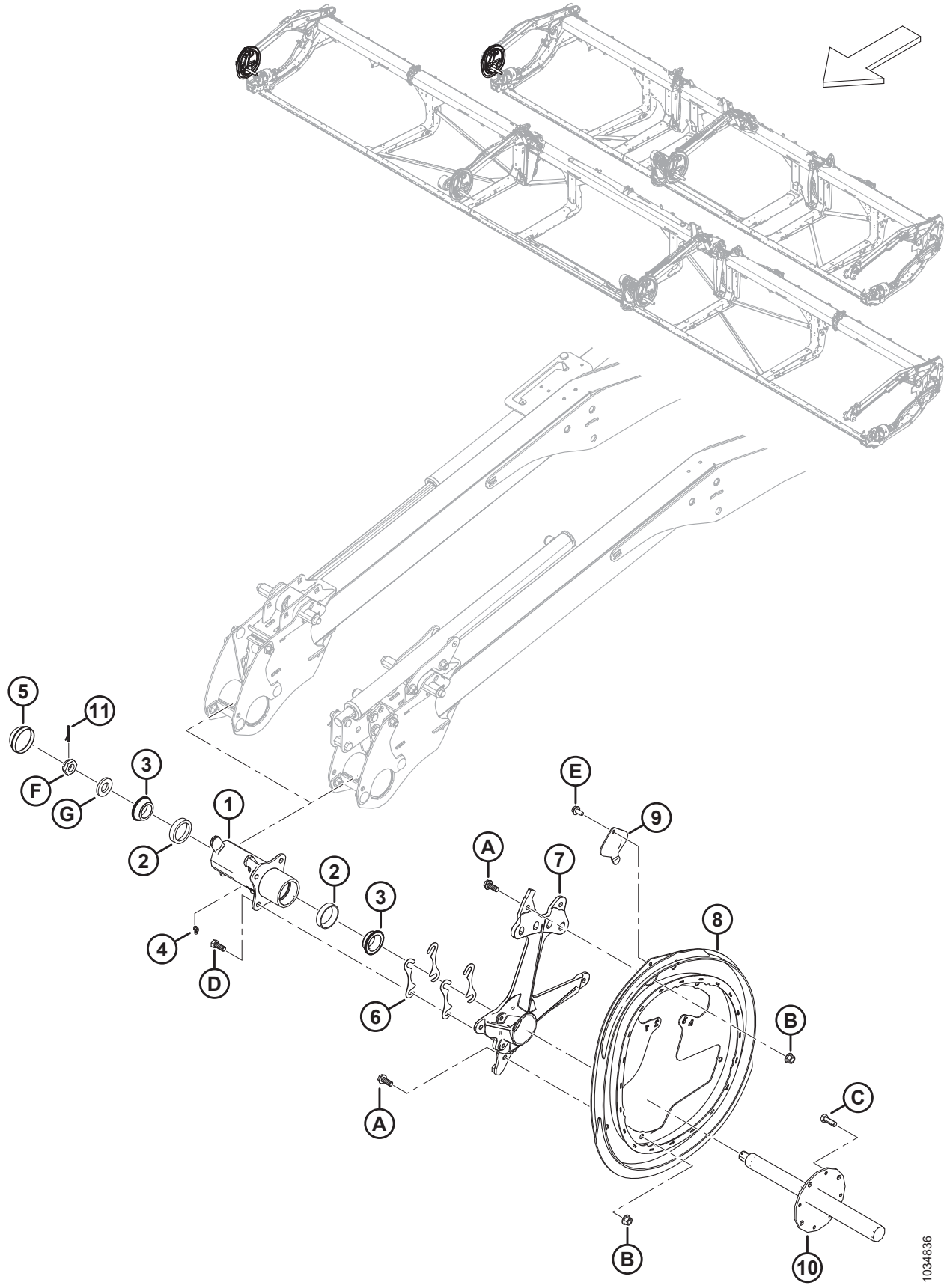
230. Set includes upper and lower drive reel covers.
231. U-joint includes cross journal assembly (MD #137825), four bolt flange yoke (MD #228384), and six bolt flange yoke (MD #228385).
232. 19-tooth drive sprocket is standard FD230–FD250. For optional drive sprockets, refer to Section *156 (Option) Reel – Drive, Two Speed Kit, page 381*.
233. Dual drive sprocket, which varies by combine model, is standard for FD261. For service parts, refer to Section *156 (Option) Reel – Drive, Two Speed Kit, page 381*.
234. 56-tooth driven sprocket is standard for FD230–FD261; an additional 52-tooth driven sprocket (NSS) is standard for FD261 and optional for FD230–FD250. For 52-tooth drive sprocket, refer to Section *156 (Option) Reel – Drive, Two Speed Kit, page 381*.
235. The additional 52-tooth driven sprocket (NSS) is standard for FD261 and optional for FD230–FD250; for service parts, refer to Section *156 (Option) Reel – Drive, Two Speed Kit, page 381*.
236. Standard factory-installed motor.
237. Seal kit for standard motor (MD #273258).
238. Optional high capacity motor for high reel loads.
239. Seal kit for optional high capacity motor (MD #273078).
240. Hub includes two cup bearings (MD #164214) and lubrication fitting (MD #21301).
241. 1.52 mm thick hub-to-cam shim.


1045063

Ref	Part Number	Description	Qty	Serial Number
22	228301	SHAFT – REEL DRIVE MACHINED	1	
23	137721	KEY – REEL DRIVE SHAFT	2	
24	228460	TIGHTENER – CHAIN	1	
25	111521	RING – RETAINING	1	
26	228478	ARM – INNER	1	
27	228479	ARM – OUTER	1	
28	228485	LATCH	1	
29	228477	DISC – LOCK	1	
30	191353	RING – RETAINING EXTERNAL	1	
31	136882	O-RING – 3.5 X 40.5	1	
32	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
33	273576	DISC – SHIM TRIPLE REEL [242]	1	
34	**245199**	**SHIM – HUB TO CAM** [243]	**1**	
35	**137753**	**SHIM – RING, 4 BOLT FLANGE** [244]	**2**	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	197135	SCREW – HEX SOC HD SHLDR M8 X 10		
D	184708	WASHER – FLAT M8-200HV-AA1J		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
J	184714	WASHER – FLAT REG M12-300HV		
K	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
L	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
M	136702	WASHER – CON SPRING M12-ZINC		
N	136401	SCREW – CSK HEX SOC M12 X 1.75 X 40-10.9-AA1J		
P	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
Q	136842	BOLT – HEX HD TFL M10 X 1.5 X 16-8.8-ZINC		
R	30655	WASHER – HARD M10-340HV-AB0C		
S	136209	SCREW – HEX WSHR M10 X 1.5X20-450HV		
T	135959	BOLT – HEX FLG HD M6 X 1 X 16-10.9-AA1J		
U	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		
V	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
W	31774	WASHER – FLAT 1-1/8-30HRC-AC0C		
X	136443	NUT – SPRING "U" TYPE M6 X 1		
Y	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J [245]		
	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J [242]		

242. Triple-reel headers only.
243. 0.6 mm thick hub-to-cam shim; use only as required.
244. 0.6 mm thick ring shim; use only as required.
245. Double-reel headers only.

65 Reel – Cam Components, Right Arm

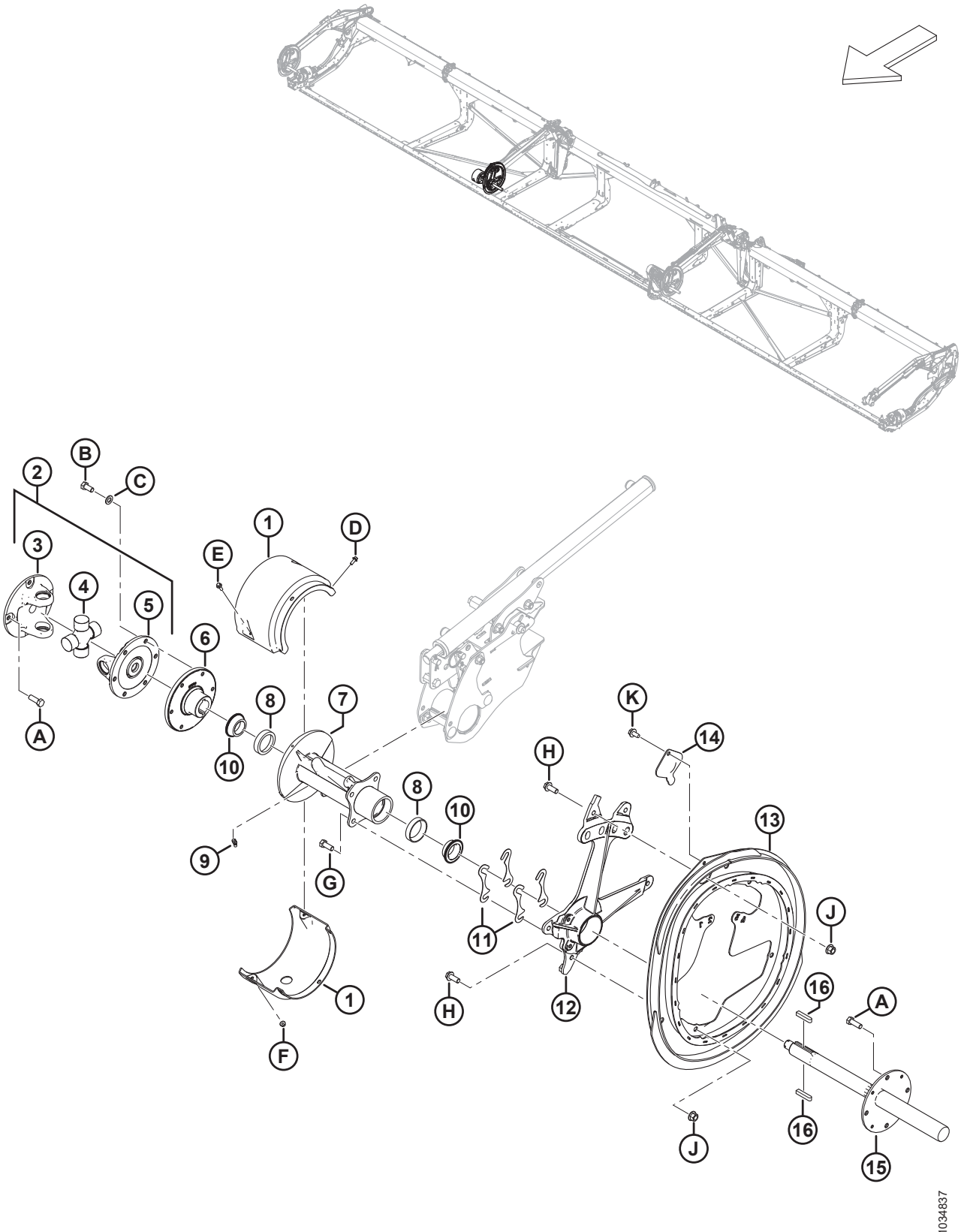


REEL – CAM COMPONENTS, RIGHT ARM

Ref	Part Number	Description	Qty	Serial Number
1	273759	HUB ASSEMBLY – RH CAM [246]	1	
2	164214	BEARING – CUP	2	
3	164213	BEARING – CONE C/W SEAL	2	
4	21301	FITTING – LUBRICATION	1	
5	140250	CAP – DUST	1	
6	164061	SHIM – HUB TO CAM	4	
7	228292	SUPPORT – CAM MACHINING	1	
8	273926	CAM – WELDMENT	1	
9	137476	COVER – CAM BEARING ACCESS	1	
10	228302	SHAFT – MACHINED RH REEL	1	
11	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	1	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
D	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		
E	136209	SCREW – HEX WSHR M10 X 1.5 X 20-450HV		
F	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
G	31774	WASHER – FLAT 1-1/8-30 HRC-AC0C		

246. The hub assembly includes two bearing cups (MD #164214) and lubrication fitting (MD #21301).

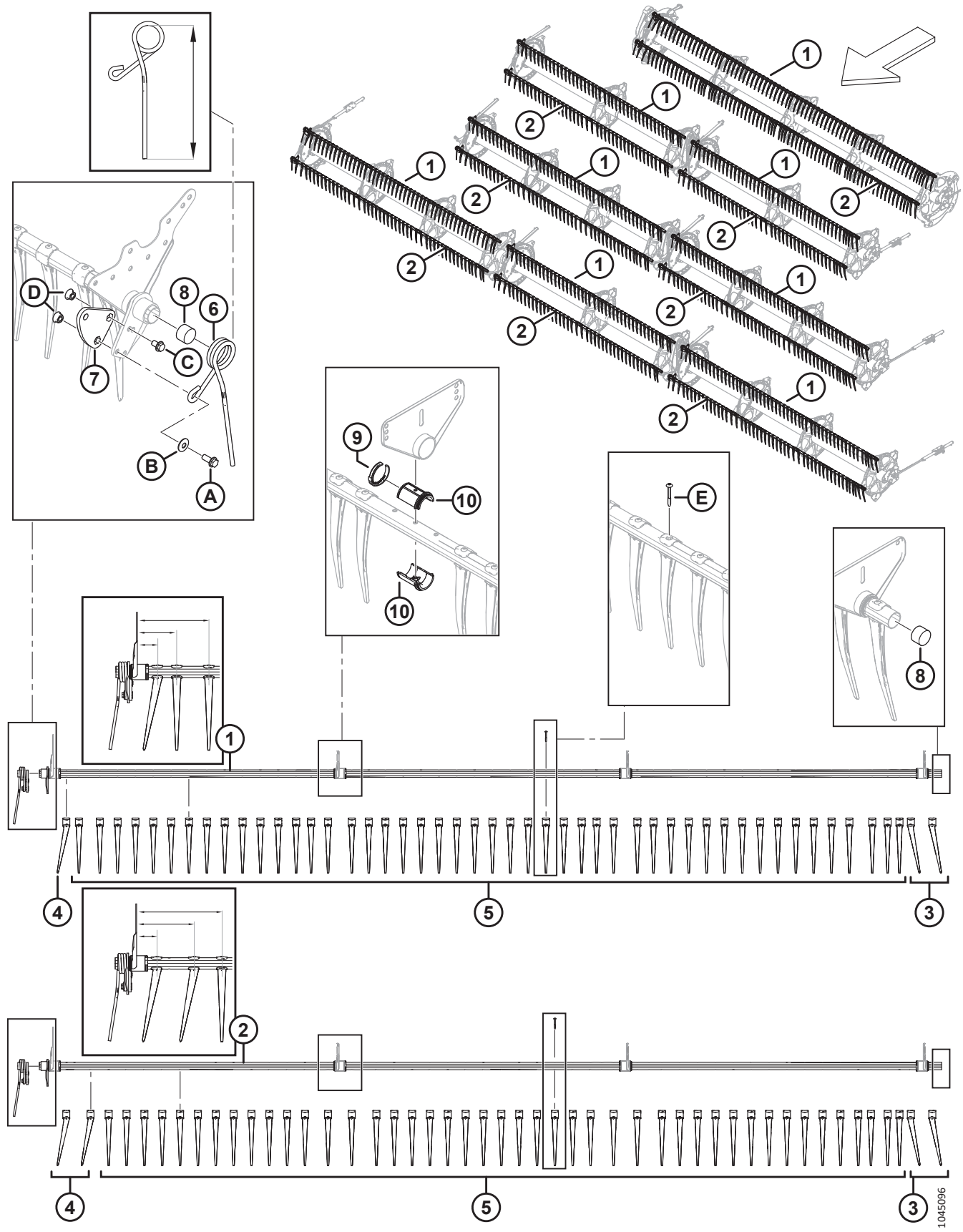
66 Reel – Cam Components, Center Right Arm, Triple Reel (FD240, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	311724	COVER SET – TRIPLE REEL [247]	1	
2	228382	REEL DRIVE U-JOINT [248]	1	
3	228384	YOKE – FLANGE 4 BOLT	1	
4	137825	CROSS JOURNAL ASSEMBLY	1	
5	228385	YOKE – FLANGE 6 BOLT	1	
6	273770	HUB – MACHINING U-JOINT MT-TR	1	
7	273760	HUB – TRC W/ BEARING CUPS [249]	1	
8	164214	BEARING – CUP	2	
9	21301	FITTING – LUBRICATION	1	
10	164213	BEARING – CONE C/W SEAL	2	
11	164061	SHIM – HUB TO CAM	4	
12	228292	SUPPORT – CAM MACHINING	1	
13	273926	CAM – WELDMENT	1	
14	137476	COVER – CAM BEARING ACCESS	1	
15	228301	SHAFT – REEL DRIVE MACHINED	1	
16	137721	KEY – REEL DRIVE SHAFT	2	
A	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
B	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
C	184714	WASHER – FLAT REG M12-300HV		
D	252639	BOLT – HEX FLG HD M6 X 1 X 16 X SPCL-8.8-AA2L		
E	**135301**	**BOLT – HEX FLG HD M6 X 1 X 25-8.8-AA1J**		
F	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
G	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		
H	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
J	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
K	136209	SCREW – HEX WSHR M10 X 1.5 X 20-450HV		

247. Set includes top and bottom triple-reel covers.
248. U-joint includes cross journal assembly (MD #137825), four bolt flange yoke (MD #228384), and six bolt flange yoke (MD #228385).
249. Hub includes two bearing cups (MD #164214) and lubrication fitting (MD #21301).

67 Reel – Tine Tube



NOTE:

Finger configuration varies for narrow or wide and left, right, and center tine tubes.

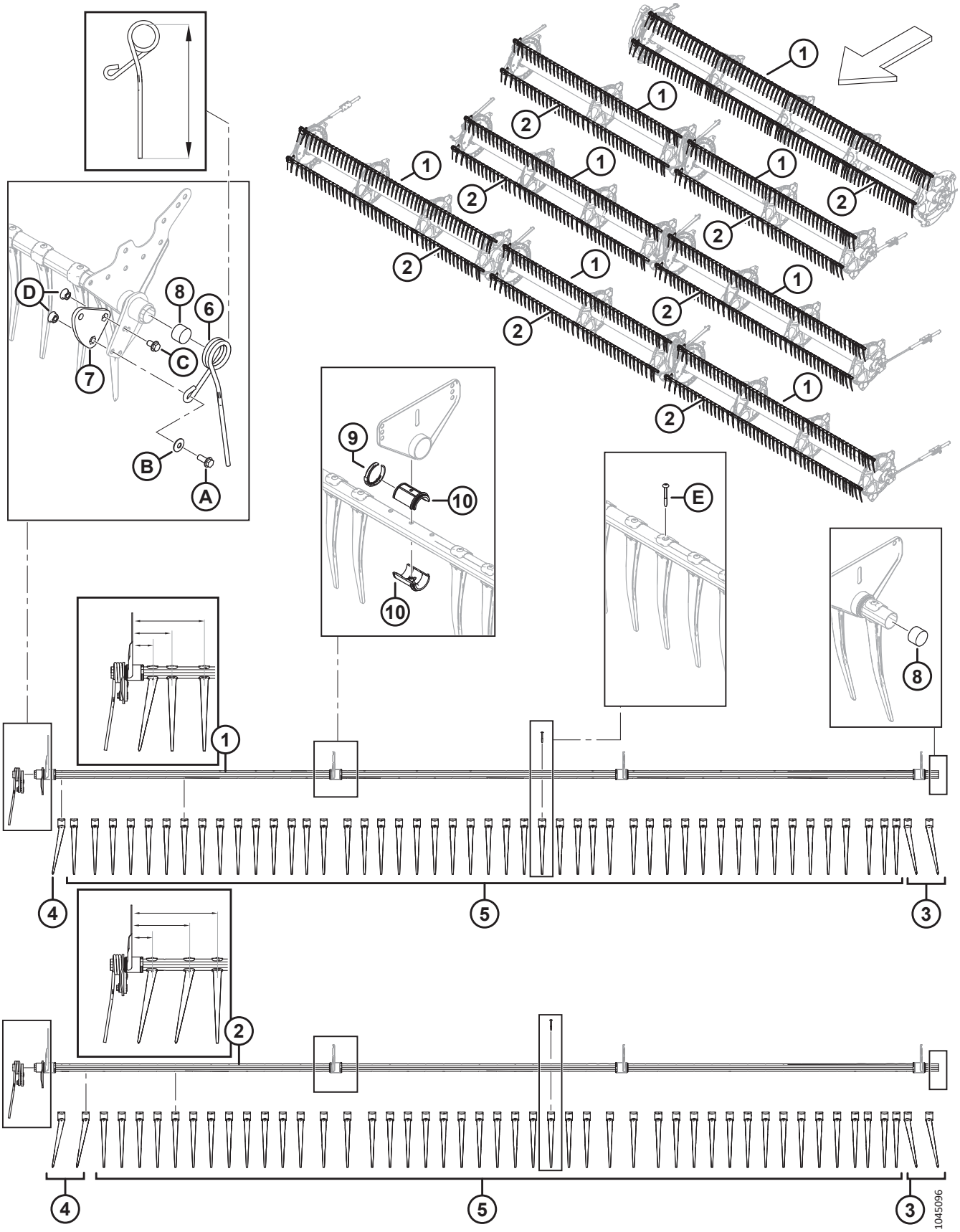
NOTE:

Three narrow tine tubes (item #1) and two wide tine tubes (item #2) are required per reel for 5-bat headers.

Ref	Part Number	Description	Qty	Serial Number
1	**378654**	**TINE TUBE WELDT – 25 FT SR NARROW** [250]	**3**	
	311368	TINE TUBE WELDT – 30 FT DR NARROW [250]	6	
	311207	TINE TUBE WELDT – 35 FT DR NARROW [250]	6	
	311190	TINE TUBE WELDT – 40 FT DR NARROW [250]	6	
	311303	TINE TUBE WELDT – 41 FT DR NARROW [250]	6	
	311408	TINE TUBE WELDT – 40 FT TR AND 45 FT TR NARROW [250]	6	
	311745	TINE TUBE WELDT – 40 FT TR NARROW (CENTER) [250]	3	
	311675	TINE TUBE WELDT – 50 FT TR NARROW [250]	6	
	311408	TINE TUBE WELDT – 45 FT TR AND 50 FT TR NARROW (CENTER) [250]	3	
	261202	**TINE TUBE WELDT – 61 FT TR NARROW** [251]	**6**	
	311408	**TINE TUBE WELDT – 61 FT TR NARROW (CENTER)** [251]	**3**	
2	360199	TINE TUBE WELDT – 25 FT SR WIDE [250]	2	
	311365	TINE TUBE WELDT – 30 FT DR WIDE [250]	4	
	311210	TINE TUBE WELDT – 35 FT DR WIDE [250]	4	
	311193	TINE TUBE WELDT – 40 FT DR WIDE [250]	4	
	311306	TINE TUBE WELDT – 41 FT DR WIDE [250]	4	
	311405	TINE TUBE WELDT – 40 FT TR AND 45 FT TR WIDE [250]	4	
	311746	TINE TUBE WELDT – 40 FT TR WIDE (CENTER) [250]	2	
	311676	TINE TUBE WELDT – 50 FT TR WIDE [250]	4	
	311405	TINE TUBE WELDT – 45 FT TR AND 50 FT TR WIDE (CENTER) [250]	2	
	261204	**TINE TUBE WELDT – 61 FT TR WIDE** [251]	**4**	
	311405	**TINE TUBE WELDT – 61 FT TR WIDE (CENTER)** [251]	**2**	
3	360540	FINGER – PLASTIC, LH ANGLED (10 PACK)	A/R	
4	311523	FINGER – PLASTIC, RH ANGLED (10 PACK)	A/R	

250. Narrow or wide tine tubes can be distinguished from the first three fingers of the RH side. Narrow tine tubes have one RH angled finger (MD #311523) followed by two straight fingers (MD #174849) and measure 76 mm, 146 mm, and 265 mm as illustrated. Wide tine tubes have two RH angled fingers (MD #311523) followed by one straight finger (MD #174849) and measure 76 mm, 214 mm, and 315 mm as illustrated.

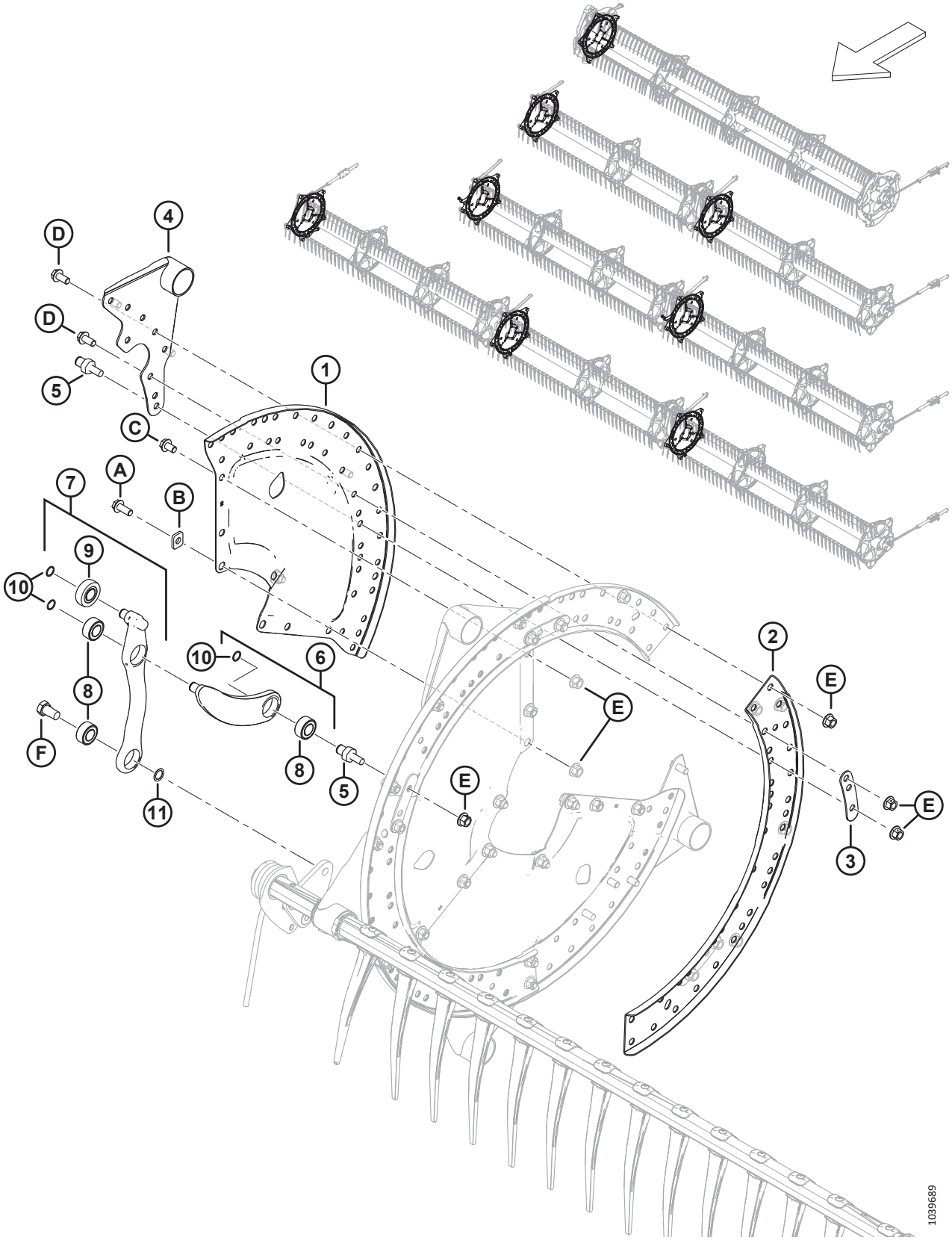
251. Narrow or wide tine tubes can be distinguished from the first three fingers of the RH side. Narrow tine tubes have one RH angled finger (311523) followed by two straight fingers (174849) and measure 76 mm, 146 mm, and 265 mm as illustrated. Wide tine tubes have two RH angled fingers (311523) followed by one straight finger (174849) and measure 76 mm, 214 mm, and 315 mm as illustrated.


1
2
D
8
6
C
7
B
A
9
10
E
4
5
3
1045096

Ref	Part Number	Description	Qty	Serial Number
5	174849	FINGER – PLASTIC, STRAIGHT (10 PACK) [252]		
6	**368766**	**FINGER – CAM END BENT** [253]	**1**	
	311325	FINGER – CAM END OUTBOARD, RH REEL (305 MM LG) [253]	1	
7	228319	ARM – CRANK MACHINING (SR, DR) [254]	1	
	273877	ARM – CRANK MACHINING (TR) [255]	1	
8	137980	PLUG – TINE TUBE	2	
9	220941	CLAMP – TINE TUBE BUSHING, CENTER RIB (5 PACK)	A/R	
10	220939	TINE TUBE BUSHING (25 PACK)	A/R	
A	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	184597	WASHER – CON SPRING M12-AA1J [256]		
C	320187	BOLT – HEX FLG HD M12 X 1.75 X 20-SPCL-8.8-AA1J		
D	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		

252. Quantities per tine tube (LH/RH/Center): NARROW – FD230 = 40/41/0, FD235 = 47/48/0, FD240 DR = 55/56/0, FD240 TR = 40/41/26, FD241 = 56/57/0, FD245 = 40/41/41, and FD250 = 47/48/41, FD261 = 62/65/41. WIDE – FD230 = 37/38/0, FD235 = 44/45/0, FD240 DR = 51/52/0, FD240 TR = 37/38/23, FD241 = 52/54/0, FD245 = 37/38/38, and FD250 = 44/45/38, FD261 = 62/63/38. Quantities per tine tube (single reel): NARROW – FD225 = 70. WIDE – FD225 = 71.
253. There are two lengths of finger that can be ordered. The finger at the RH side of the reel is shorter than fingers at the center of the header. The correct finger must be installed in the correct position to prevent damage. Determine the proper length (315 or 305 mm) of a finger by measuring the finger from the inside top loop to the finger tip as shown in illustration.
254. Steel with three holes; for single- and double-reel headers only.
255. Aluminum with four holes; for triple-reel headers only.
256. Be sure to note the orientation of washer (MD #184597). The concave (inward facing) surface of the washer should be installed facing away from the tine tube crank arm assembly.

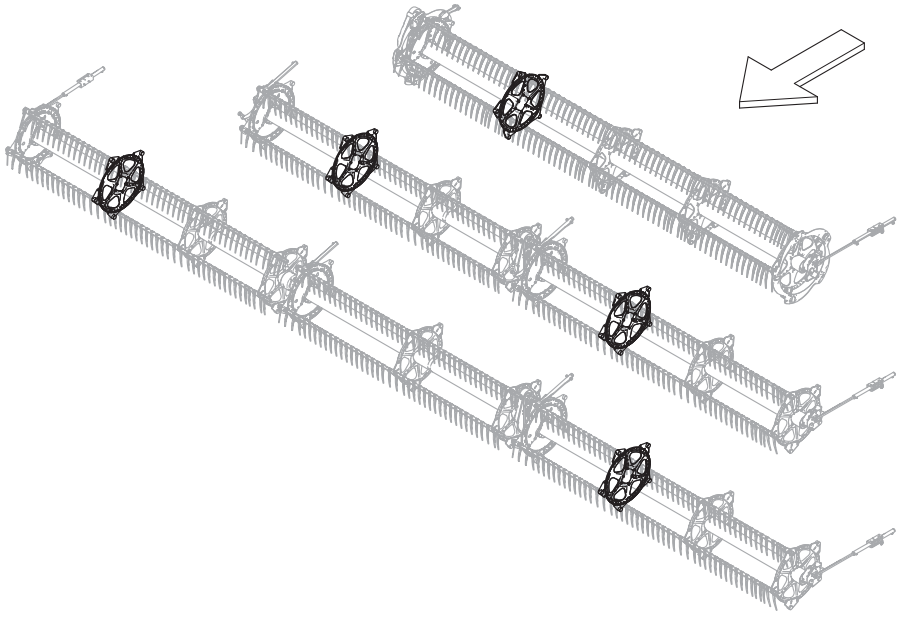
68 Reel Discs – Cam End and Linkage (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)

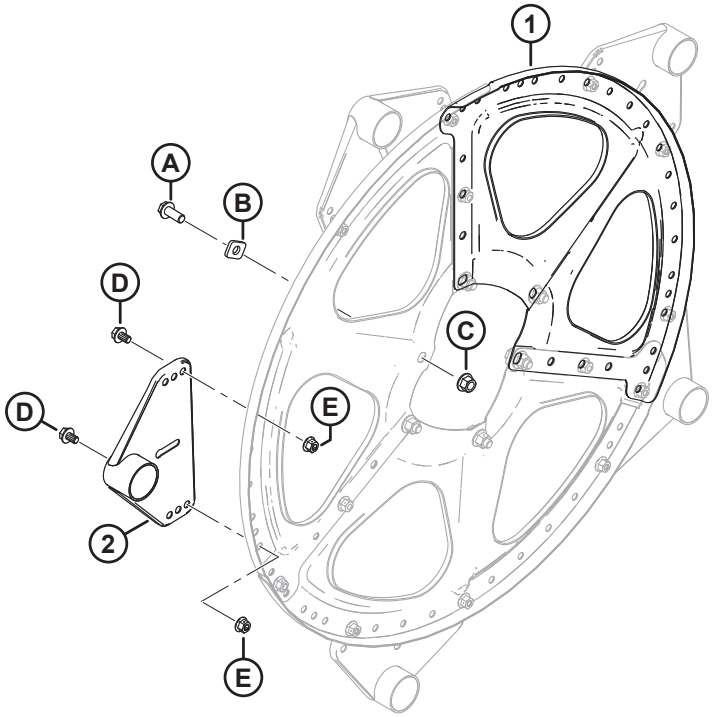


Ref	Part Number	Description	Qty	Serial Number
1	273373	SECTOR – CAM END	3	
2	273376	CHANNEL – CAM DISC	3	
3	311672	STRAP	5	
4	335924	ARM WELDT – CAM END	5	
5	340146	STUD (FOR LINKAGE)	5	
6	311615	ARM – ASSEMBLY [257]	5	
7	311617	ARM – TINE CONTROL ASSY [258]	5	
8	273347	BEARING	A/R	
9	273524	BEARING – CAM FOLLOWER	A/R	
10	273536	RING – RETAINING	10	
11	137529	SHIM – CRANK BEARING		
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	320179	BOLT – HEX FLG HD TFL M12 X 1.75 X 20-SPCL-8.8-AA1J		
D	320175	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-SPCL-8.8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	228316	BOLT – HEX HD M16 X 1.5 X 15-SPCL-8.8-AA1J		

257. The arm assembly includes arm (NSS), bearing (MD #273347), and retaining ring (MD #273536).
258. The tine control assembly includes arm (NSS), cam follower bearing (MD #273524), two bearings (MD #273347), and retaining ring (MD #273536).

69 Reel Discs – Mid Span, Cam Side (FD225, FD235, FD240, FD241, FD245, FD250, and FD261)



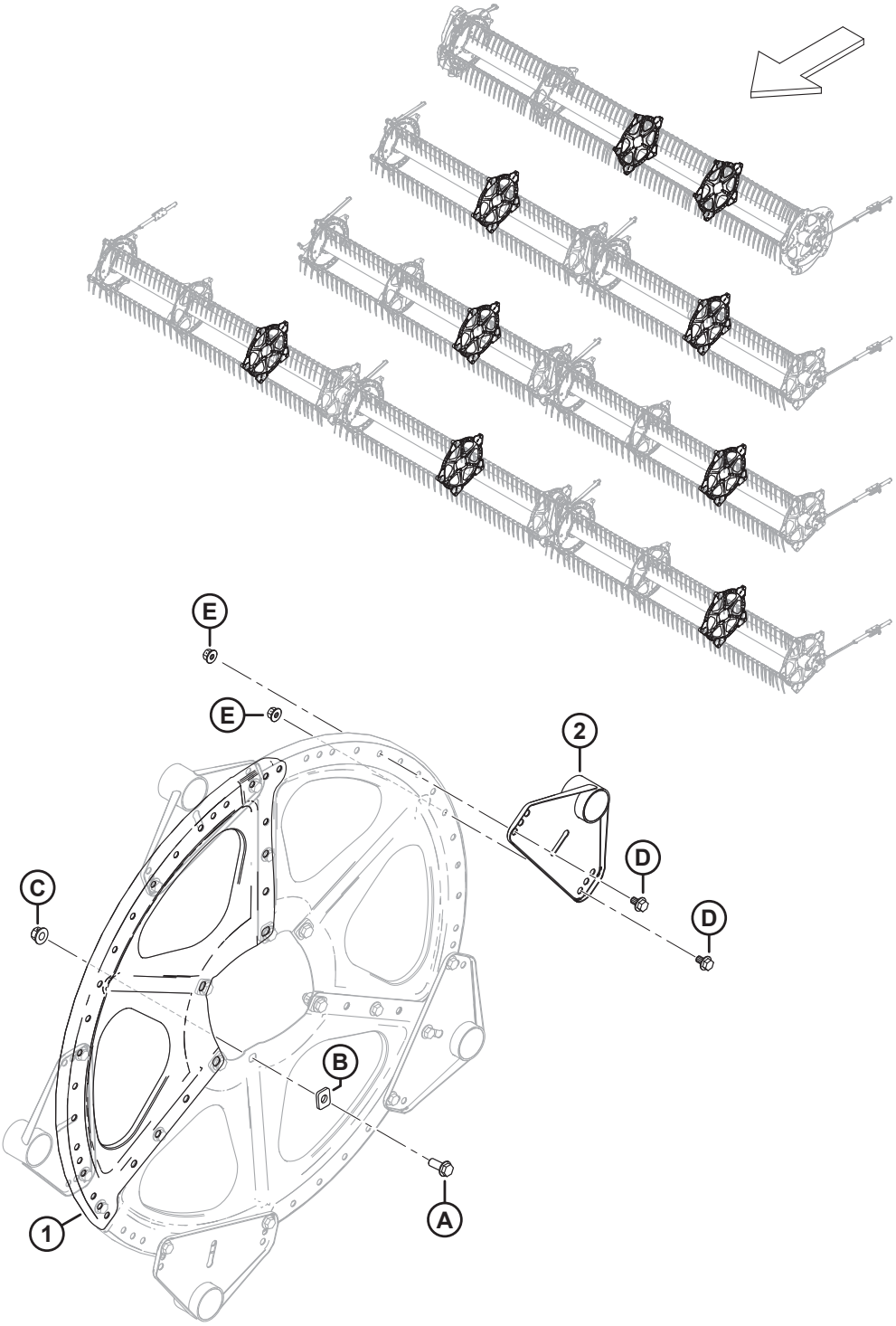


1039691

REEL DISCS – MID SPAN, CAM SIDE (FD225, FD235, FD240, FD241, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3	
2	273523	ARM WELDT – MID SPAN	5	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

70 Reel Discs – Mid Span, Tail Side (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)

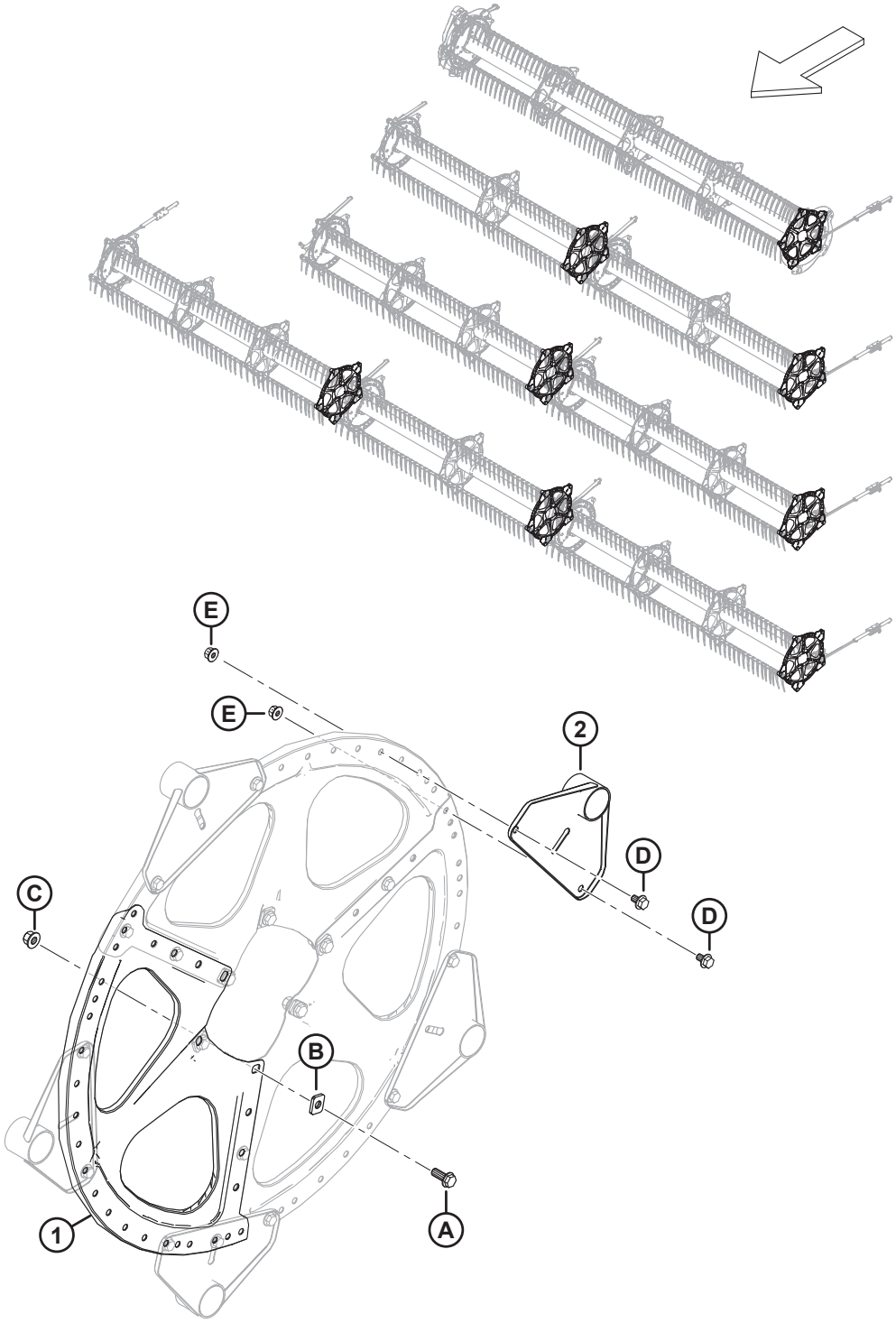


1039693

REEL DISCS – MID SPAN, TAIL SIDE (FD225, FD230, FD235, FD240, FD241, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3	
2	273523	ARM WELDT – MID SPAN	5	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

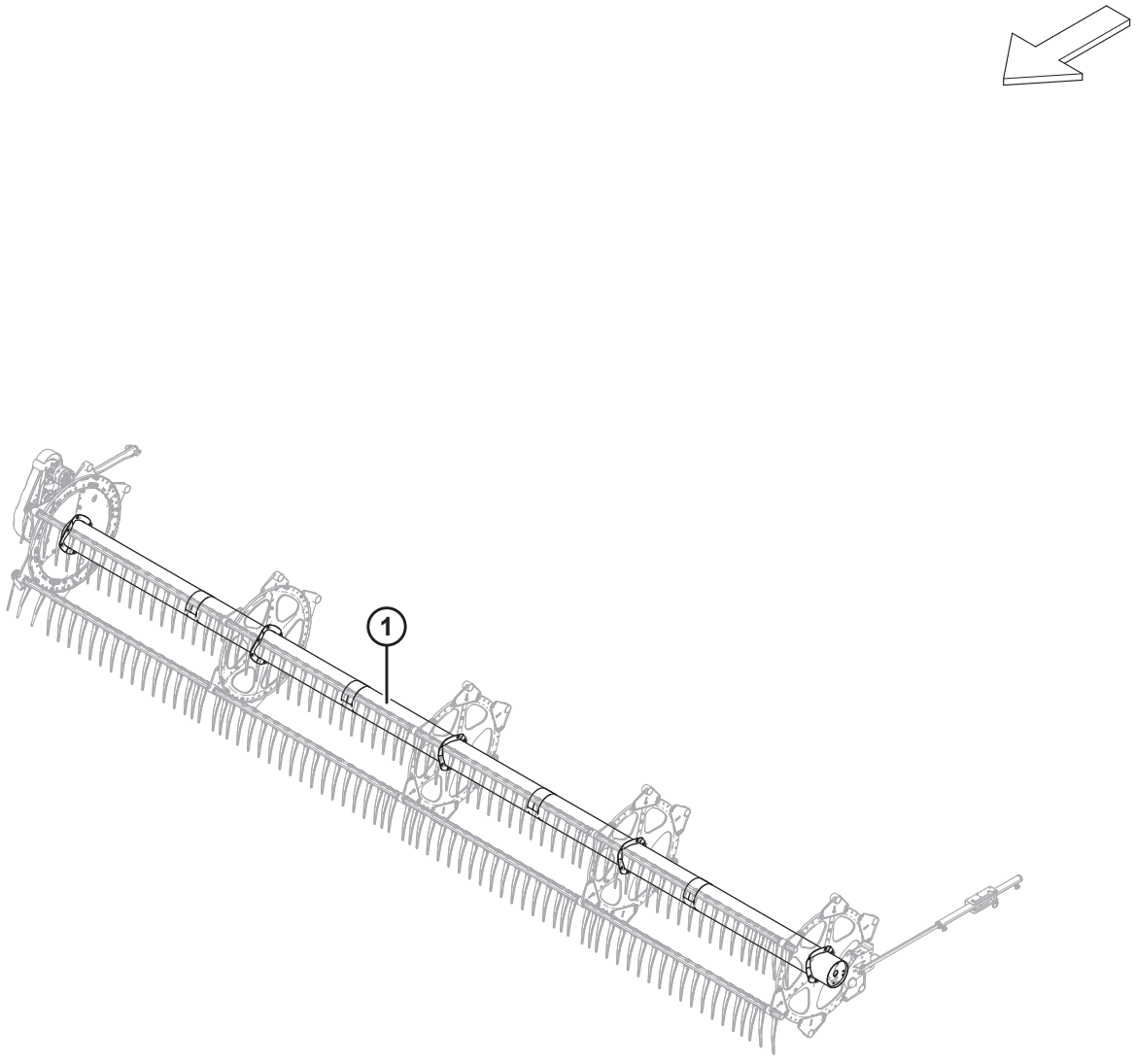
71 Reel Discs – Tail End (FD225, FD230, FD235, FD240, FD241, FD245, FD250, and FD261)



REEL DISCS – TAIL END (FD225, FD230, FD235, FD240, FD241, FD245, FD250, AND FD261)

Ref	Part Number	Description	Qty	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3	
2	311347	ARM WELDT – TAIL END	5	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

72 Reel – Center Tubes, Single Reel

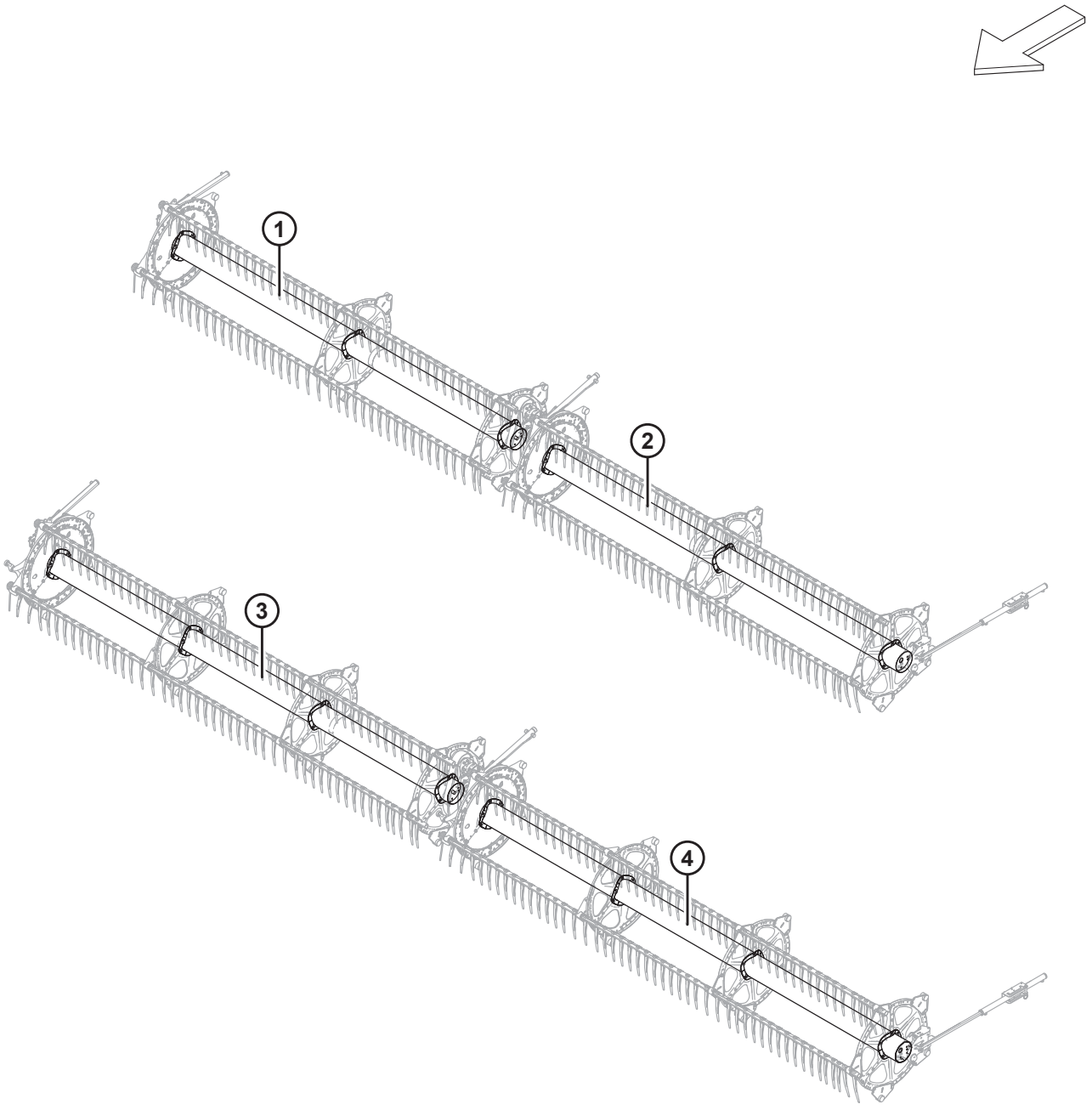


1039380

Ref	Part Number	Description	Qty	Serial Number
1	360376	CENTER TUBE – W/ DECALS, 25 FT (AMBER, RED-ORANGE DECALS) [259]	1	

259. FD225 single reel.

73 Reel – Center Tubes, Double Reel

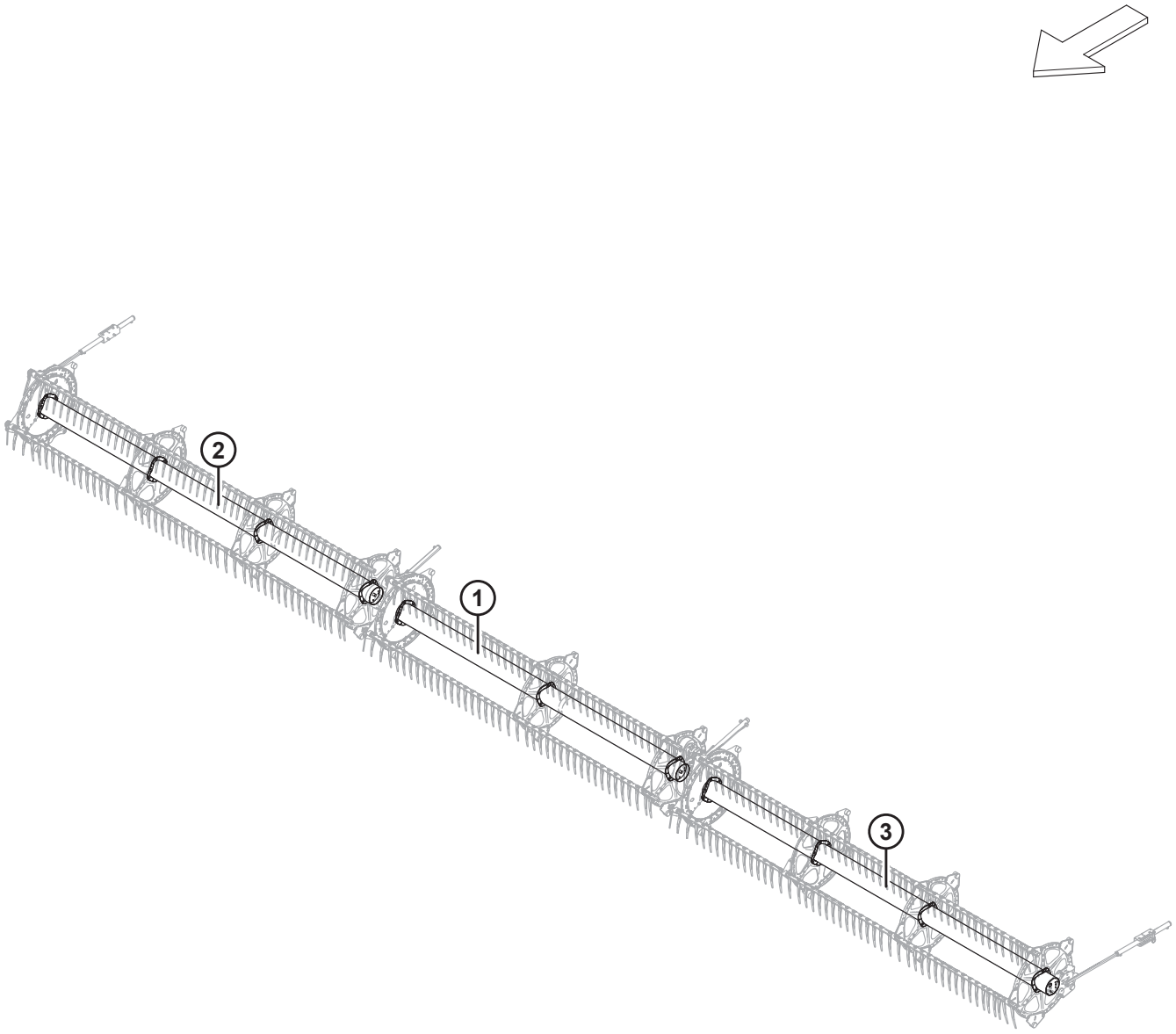


1038508

Ref	Part Number	Description	Qty	Serial Number
1	311644	CENTER TUBE – W/ DECALS, 30 FT (AMBER, RED-ORANGE DECALS) 260	1	
2	311643	CENTER TUBE – W/ DECALS, 30 FT (AMBER, RED-ORANGE DECALS) 261	1	
3	311646	CENTER TUBE – W/ DECALS, 35 FT (AMBER, RED-ORANGE DECALS) 262	1	
	311195	CENTER TUBE – W/ DECALS, 40 FT (AMBER DECALS) 263	1	
	311648	CENTER TUBE – W/ DECALS, 41 FT (AMBER, RED-ORANGE DECALS) 264	1	
4	311645	CENTER TUBE – W/ DECALS, 35 FT (AMBER, RED-ORANGE DECALS) 265	1	
	311658	CENTER TUBE – W/ DECALS, 40 FT (AMBER, RED-ORANGE DECALS) 266	1	
	311647	CENTER TUBE – W/ DECALS, 41 FT (AMBER, RED-ORANGE DECALS) 267	1	

260. FD230 RH double reel.
261. FD230 LH double reel.
262. FD235 RH double reel.
263. FD240 RH double reel.
264. FD241 RH double reel.
265. FD235 LH double reel.
266. FD240 LH double reel.
267. FD241 LH double reel.

74 Reel – Center Tubes, Triple Reel

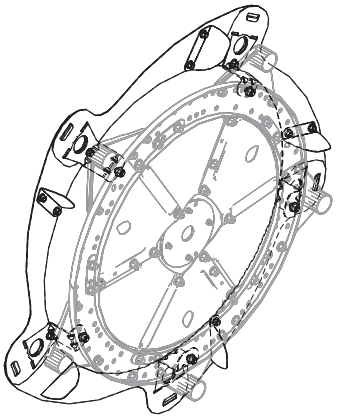


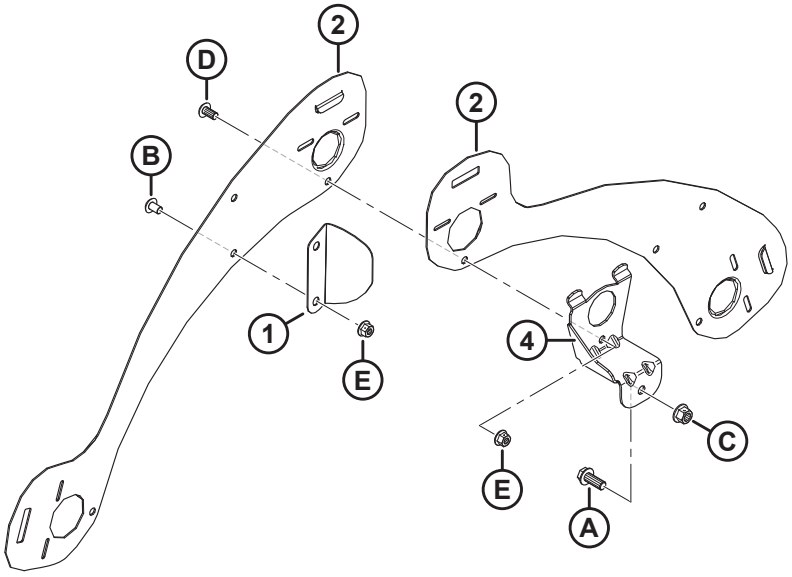
1038505

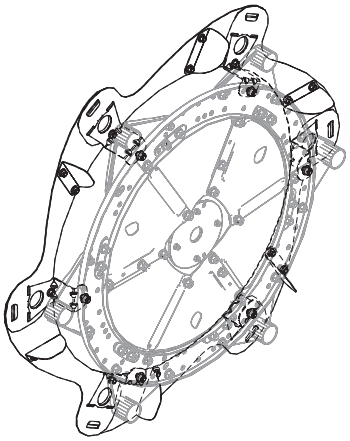
Ref	Part Number	Description	Qty	Serial Number
1	**311644**	CENTER TUBE – W/ DECALS, **45, 50, AND 61 FT** (AMBER, RED-ORANGE DECALS) [268]	**1**	
	311038	CENTER TUBE – W/ DECALS, 40 FT (AMBER DECALS) [269]	1	
2	**261478**	**CENTER TUBE – W/ DECALS, 61 FT RH (AMBER DECALS)** [270]	**1**	
	311646	CENTER TUBE – W/ DECALS, 50 FT (AMBER, RED-ORANGE DECALS) [271]	1	
	311644	CENTER TUBE – W/ DECALS, 40 AND 45 FT (AMBER, RED-ORANGE DECALS) [272]	1	
3	**261477**	**CENTER TUBE – W/ DECALS, 61 FT LH (AMBER DECALS)** [273]	**1**	
	311645	CENTER TUBE – W/ DECALS, 50 FT (AMBER, RED-ORANGE DECALS) [274]	1	
	311643	CENTER TUBE – W/ DECALS, 40 AND 45 FT (AMBER, RED-ORANGE DECALS) [275]	1	

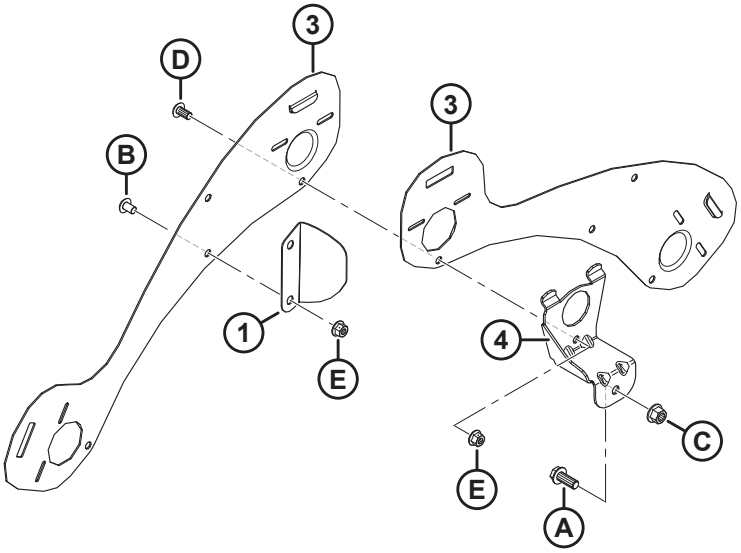
268. FD245, FD250, and FD261 center triple reel.
269. FD240 center triple reel.
270. FD261 RH triple reel.
271. FD250 RH triple reel.
272. FD240 RH triple reel and FD245 RH triple reel.
273. FD261 LH triple reel.
274. FD250 LH triple reel.
275. FD240 LH triple reel and FD245 LH triple reel.

75 Reel – Endshields, Cam End, Inboard









1036485

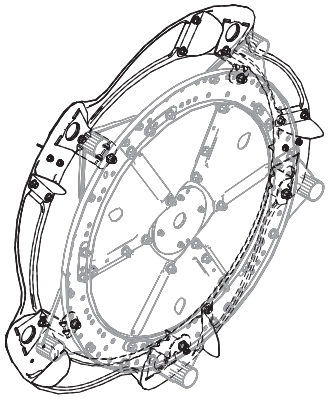
NOTE:

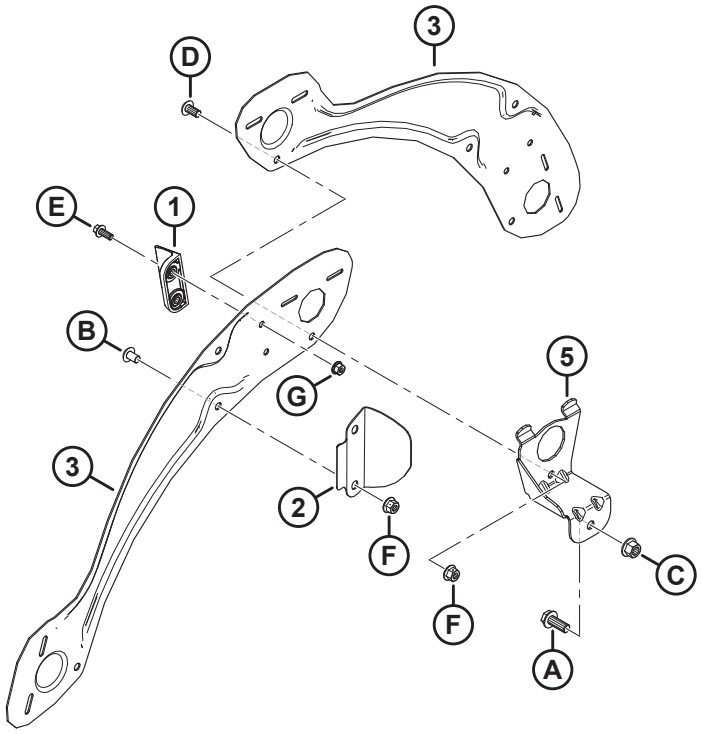
Top illustration shows 5 bat; bottom illustration shows 6 bat.

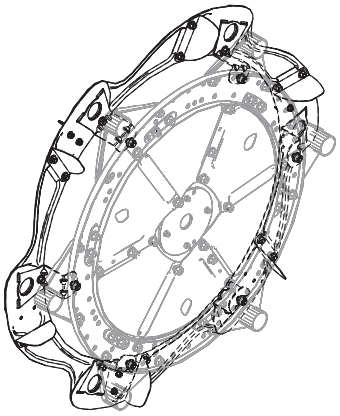
Ref	Part Number	Description	Qty	Serial Number
1	311906	DEFLECTOR – CAM INBOARD [276]		
2	273823	SHIELD – 5 BAT LH REEL CAM END	5	
3	273813	SHIELD – 6 BAT LH REEL CAM END	6	
4	311964	SUPPORT – WELDT CAM END [276]		
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
B	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

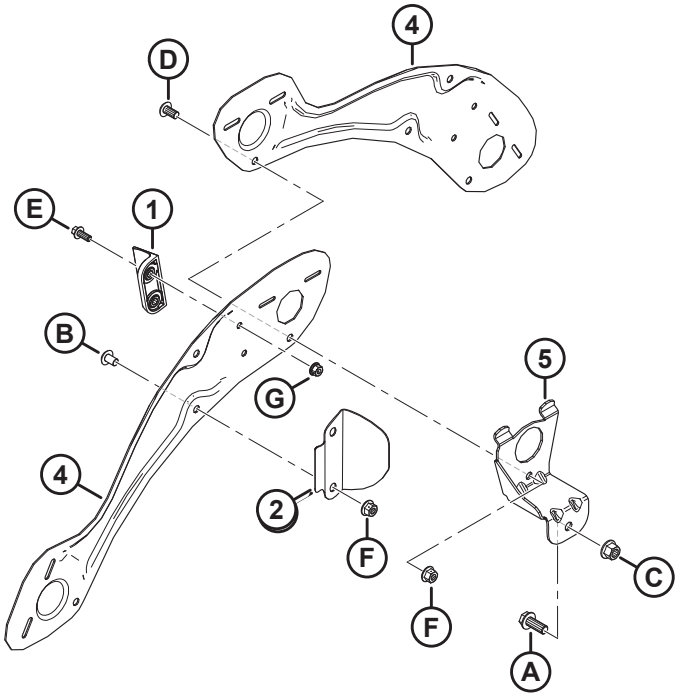
276. Quantities: 5 bat = 5, 6 bat = 6.

76 Reel – Endshields, Cam End, Outboard









1036486

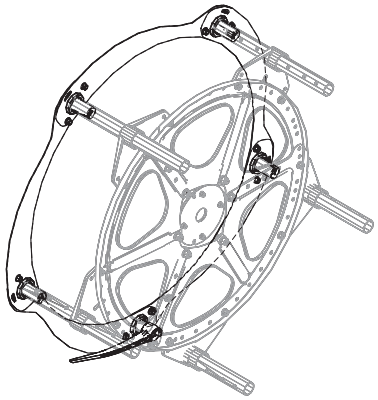
NOTE:

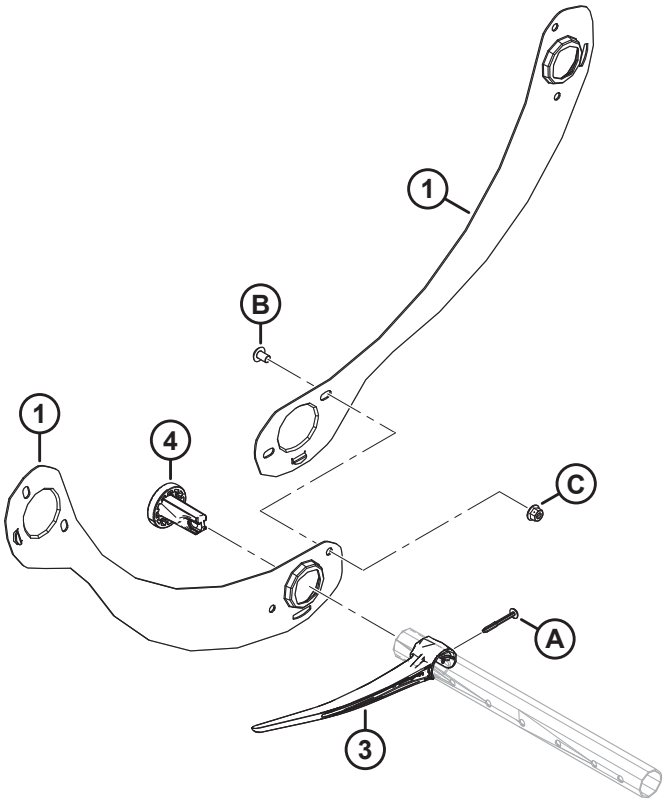
Top illustration shows 5 bat; bottom illustration shows 6 bat.

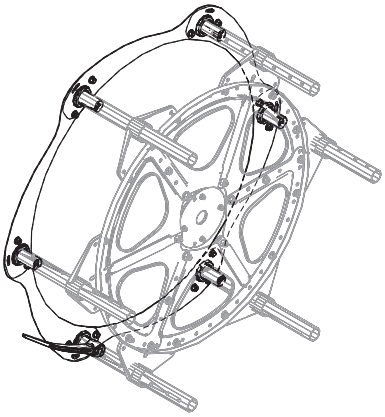
Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311729	DEFLECTOR – CAM OUTBOARD [277]		
3	311694	SHIELD – OUTBOARD RH 5 BAT	5	
4	311752	SHIELD – OUTBOARD RH 6 BAT	6	
5	311964	SUPPORT – WELDT CAM END [277]		
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
B	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
E	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

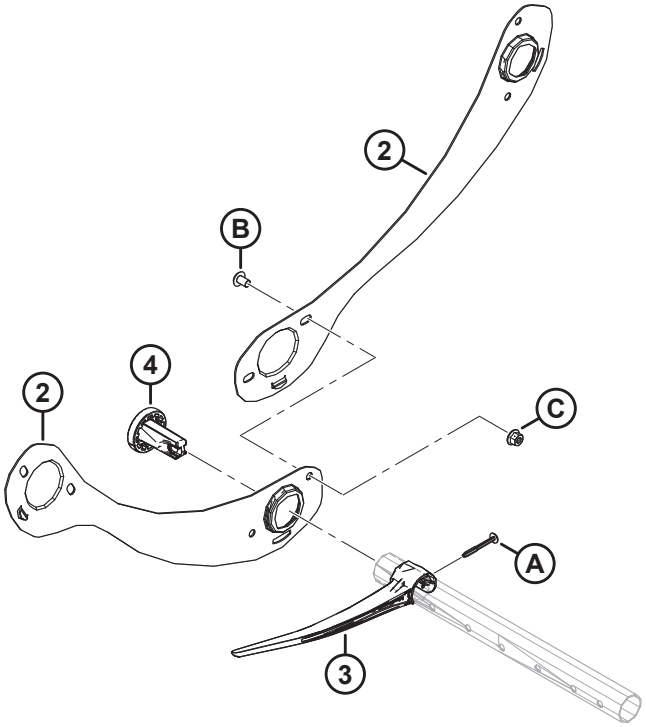
277. Quantities: 5 bat = 5, 6 bat = 6.

77 Reel – Endshields, Tail End, Inboard









1036769

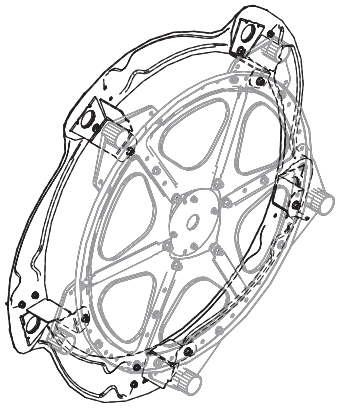
NOTE:

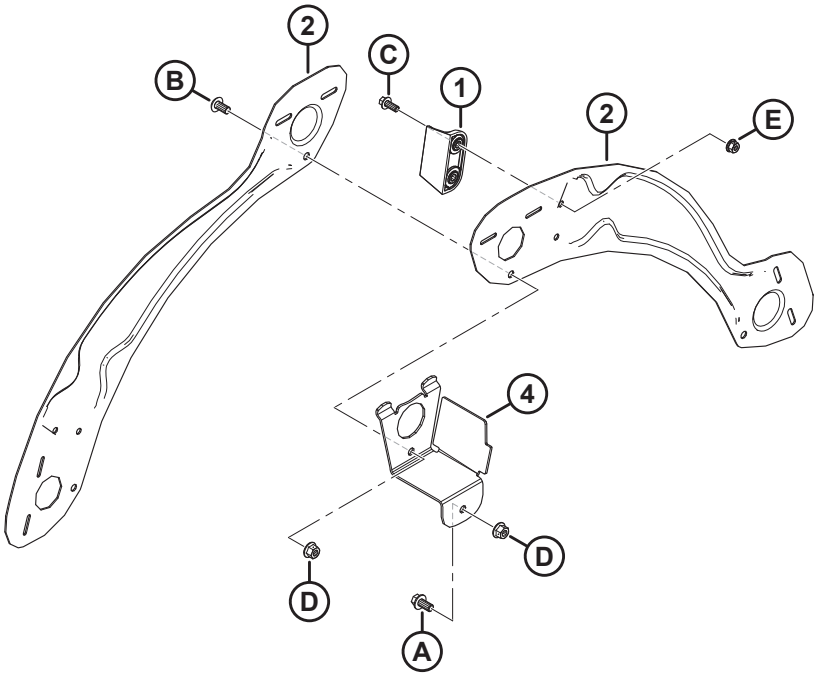
Top illustration shows 5 bat; bottom illustration shows 6 bat.

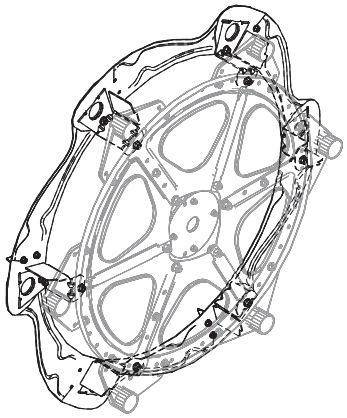
Ref	Part Number	Description	Qty	Serial Number
1	311795	SHIELD – 5 BAT RH REEL, TAIL END	5	
2	311822	SHIELD – 6 BAT RH REEL TAIL END	6	
3	311524	FINGER – PLASTIC, LH ANGLED (10 PACK) [278]		
4	273968	BUSHING – ENDSHIELD	5	
A	252687	SCREW – 48° PLASTITE TWIN HELIX		
B	136640	SCREW – TORX TRUSS HD M10 X1.5 X 16 X SPCL-8.8-AA1J		
C	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

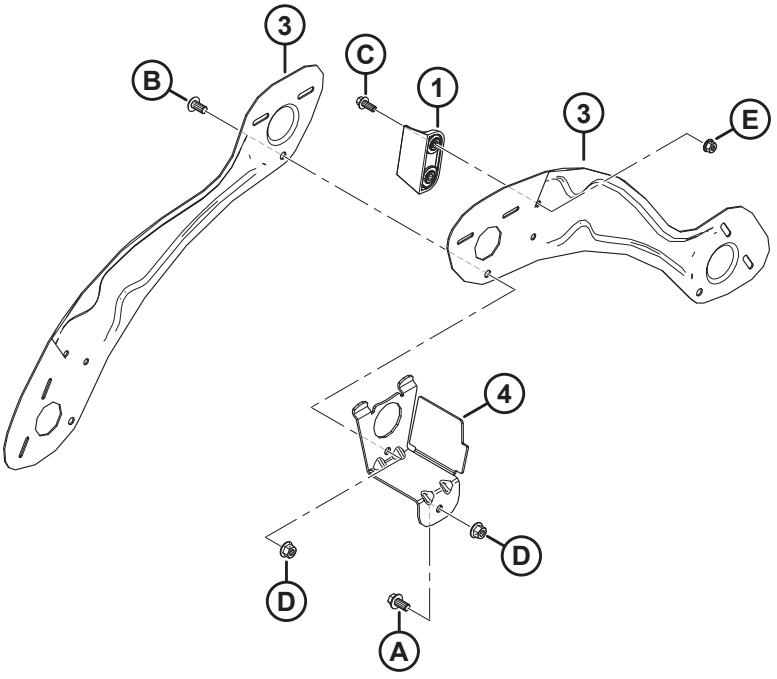
278. Quantities: 5 bat = 5, 6 bat = 6.

78 Reel – Endshields, Tail End, Outboard









1036771

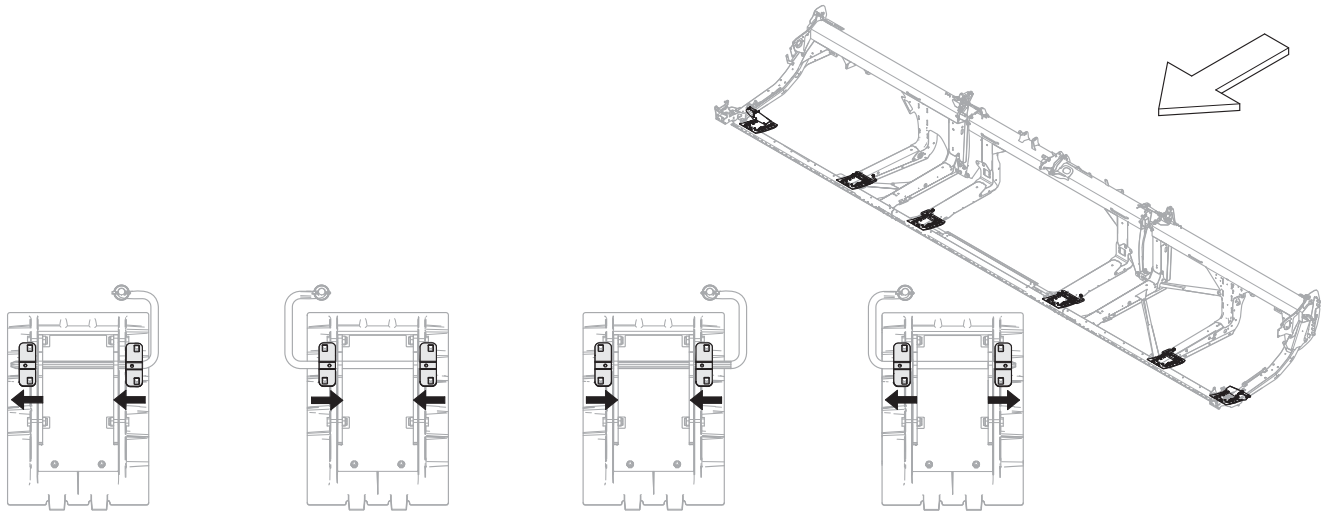
NOTE:

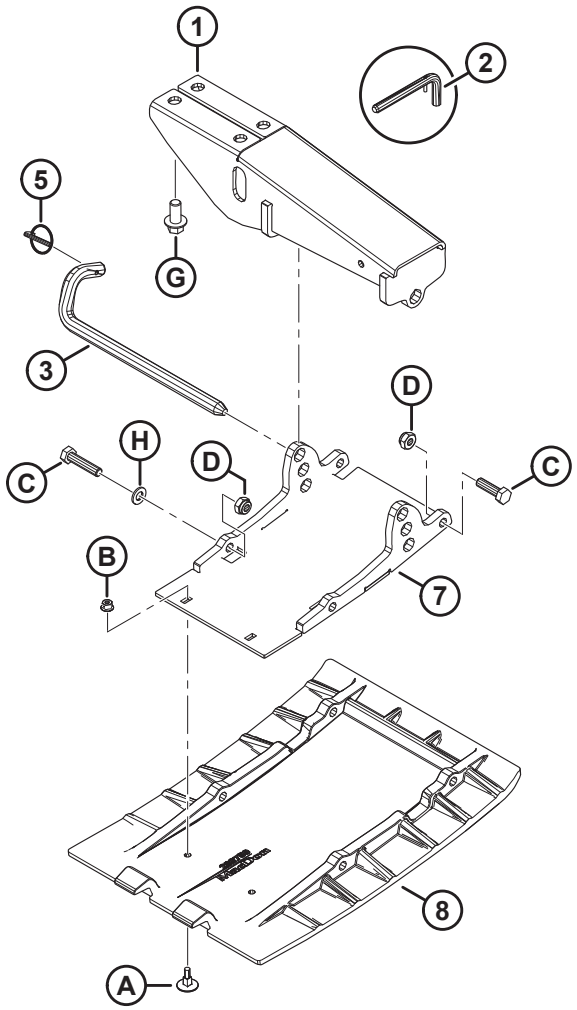
Top illustration shows 5 bat; bottom illustration shows 6 bat.

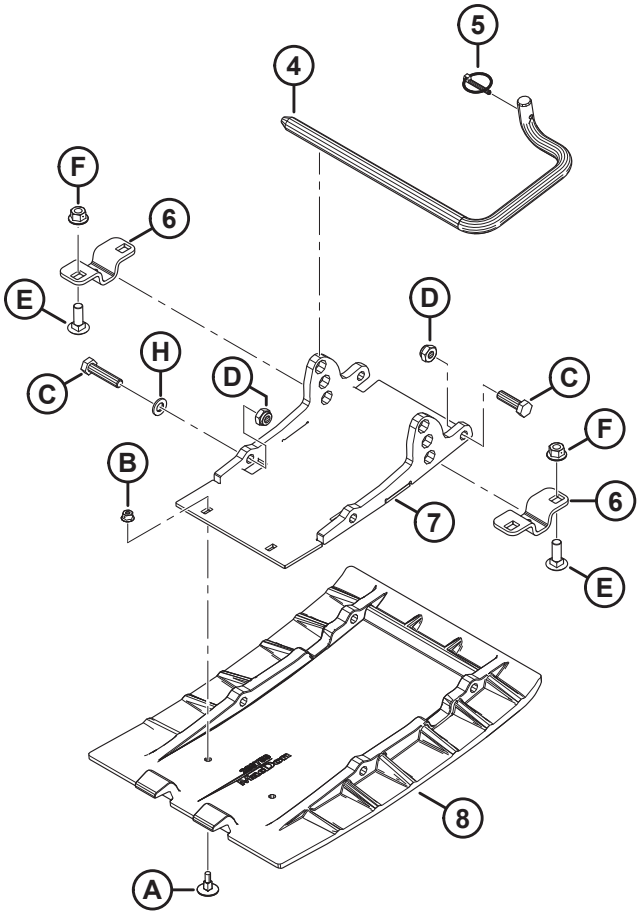
Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311695	SHIELD – OUTBOARD LH 5 BAT	5	
3	311753	SHIELD – OUTBOARD LH 6 BAT	6	
4	311965	SUPPORT – WELDT TAIL END [279]		
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
C	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

279. Quantities: 5 bat = 5, 6 bat = 6.

79 Skid Shoes – End and Center







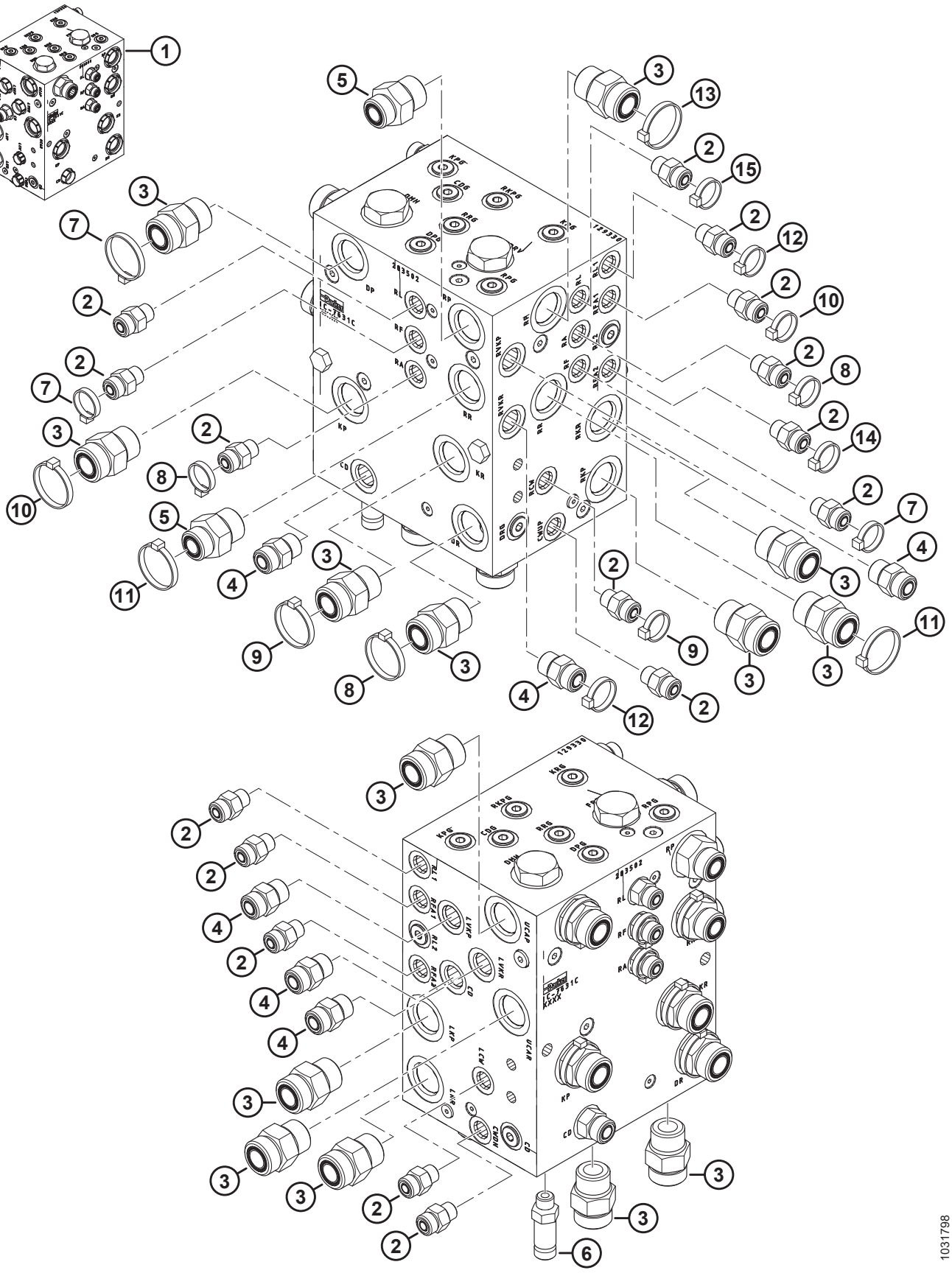
1043569

SKID SHOES – END AND CENTER

Ref	Part Number	Description	Qty	Serial Number
1	312680	MOUNT WELDT – SKID SHOE (END)	2	
	312777	KIT – OUTER SHOE MOUNT C/W PIN [280]	A/R	
2	313965	ASSY – PIN (SERVICE ONLY) [281]	A/R	
3	312675	ROD – ENGAGING	2	
	312777	KIT – OUTER SHOE MOUNT C/W PIN [280]	A/R	
4	165588	ROD – ENGAGING RH [282]	2	
	165168	ROD – ENGAGING LH [282]	2	
5	50193	PIN – LYNCH [283]	6	
6	232806	BRACKET – SHOE SUPPORT [284]	8	
7	289869	SUPPORT WELDT – PLATE [283]	6	
8	289759	SHOE – WEARPLATE, POLYETHYLENE [283]	6	
A	252176	BOLT – ELEV CSK M6 X 1 X 23-8.8		
B	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
C	135335	BOLT – HEX HD M10 X 1.5 X 45-8.8-AA1J		
D	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
E	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	136399	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-8.8-AA1J		
H	184711	WASHER – FLAT REG M10-200HV-AA1J		

280. The kit includes end skid shoe mount (MD #312680), engaging rod (MD #312675), and lynch pin (MD #50193). Kit is used to service headers with superseded mounts (MD #251872) and superseded rods (MD #232674).
281. Pin assembly includes lock pin (MD #23370) and spring pin (MD #30907). Pin assembly (MD #313965) remains available for service only.
282. Left engaging rod is shown in the illustration. Quantities of RH engaging rod (MD #165588) and LH engaging rod (MD #165168) are one of each for FD225 headers, and two of each for FD230–FD250 headers.
283. Quantities: FD225 = 4, FD230–FD261 = 6.
284. Orientation of this bracket varies, be sure to install as per shown for each center skid shoe. Compare location of small hole with arrows. Quantities: FD225 = 4, FD230–FD261 = 8.

80 Hydraulics – Manifold Fittings and Fasteners

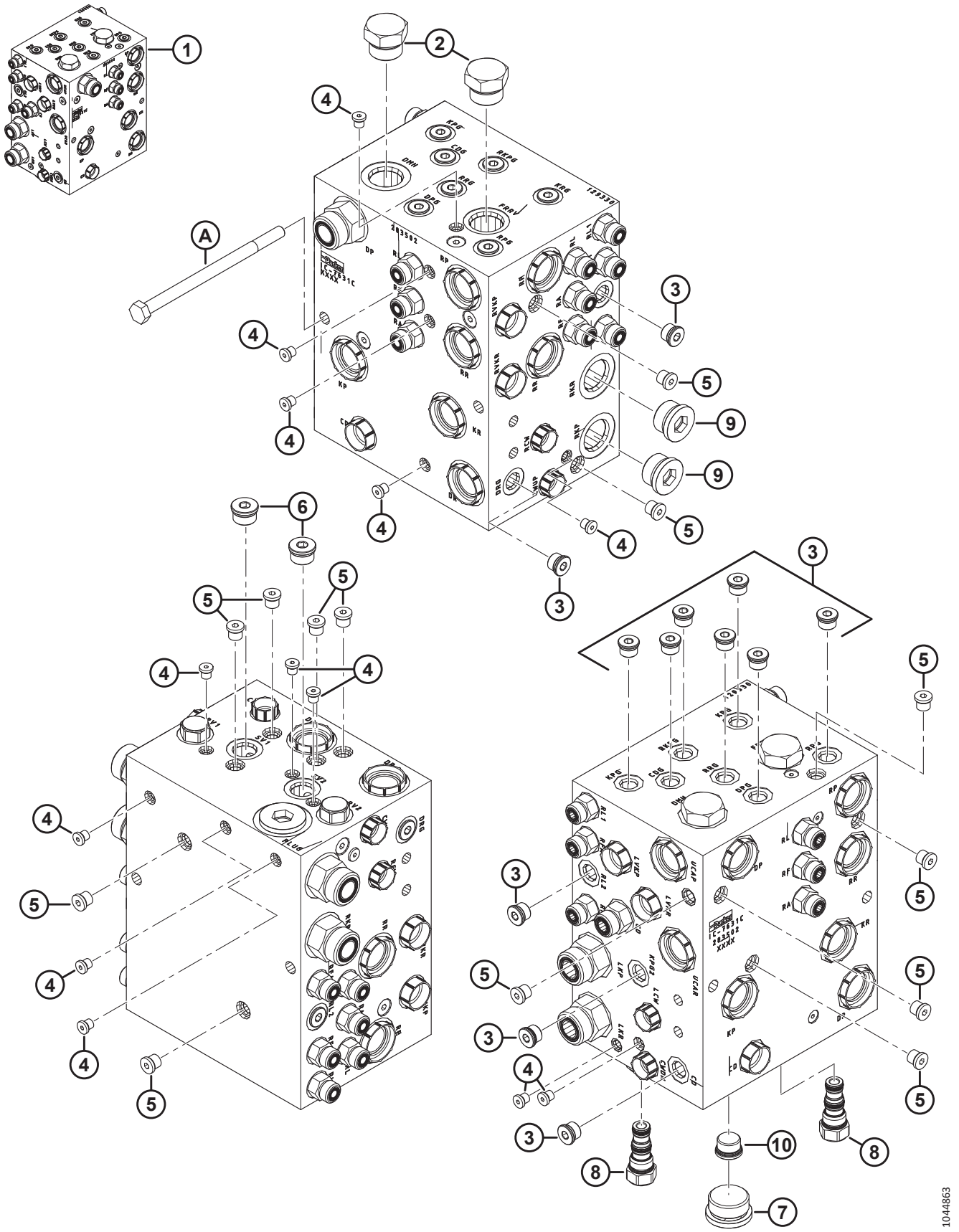


Ref	Part Number	Description	Qty	Serial Number
1	283502	MANIFOLD ASSY – DK UNTIMED [285]	A/R	
	283500	MANIFOLD ASSY – SK [286]	A/R	
2	135778	FITTING – ADAPTER	15	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
3	135788	FITTING – ADAPTER	14	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
4	135780	FITTING – ADAPTER	6	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
5	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
6	252902	FITTING – HYD CONNECTOR, LONG	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
7	49227	FASTENER – CABLE TIE, GREEN	3	
8	40702	FASTENER – CABLE TIE, RED	3	
9	40703	FASTENER – CABLE TIE, BLUE	2	
10	40704	FASTENER – CABLE TIE, ORANGE	2	
11	40701	FASTENER – CABLE TIE, YELLOW	2	
12	252795	FASTENER – CABLE TIE, PINK	2	
13	49232	FASTENER – CABLE TIE, WHITE	1	
14	135266	FASTENER – CABLE TIE, LIGHT BLUE	1	
15	21763	FASTENER – CABLE TIE, BLACK	1	

285. Manifold assembly (MD #283502) includes 12 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 4 fittings (MD #135788), 1 plug (MD #136524), 3 plugs (MD #158174), and 2 plugs (MD #283567). For manifold plugs, refer to Section *81 Hydraulics – Manifold Plugs, page 189*.

286. Manifold assembly (MD #283500) includes 10 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 2 fittings (MD #135788), 2 plugs (MD #136269), 1 plug (MD #136524), 2 plugs (MD #158174), and 2 plugs (MD #283567). For manifold plugs, refer to Section *81 Hydraulics – Manifold Plugs, page 189*.

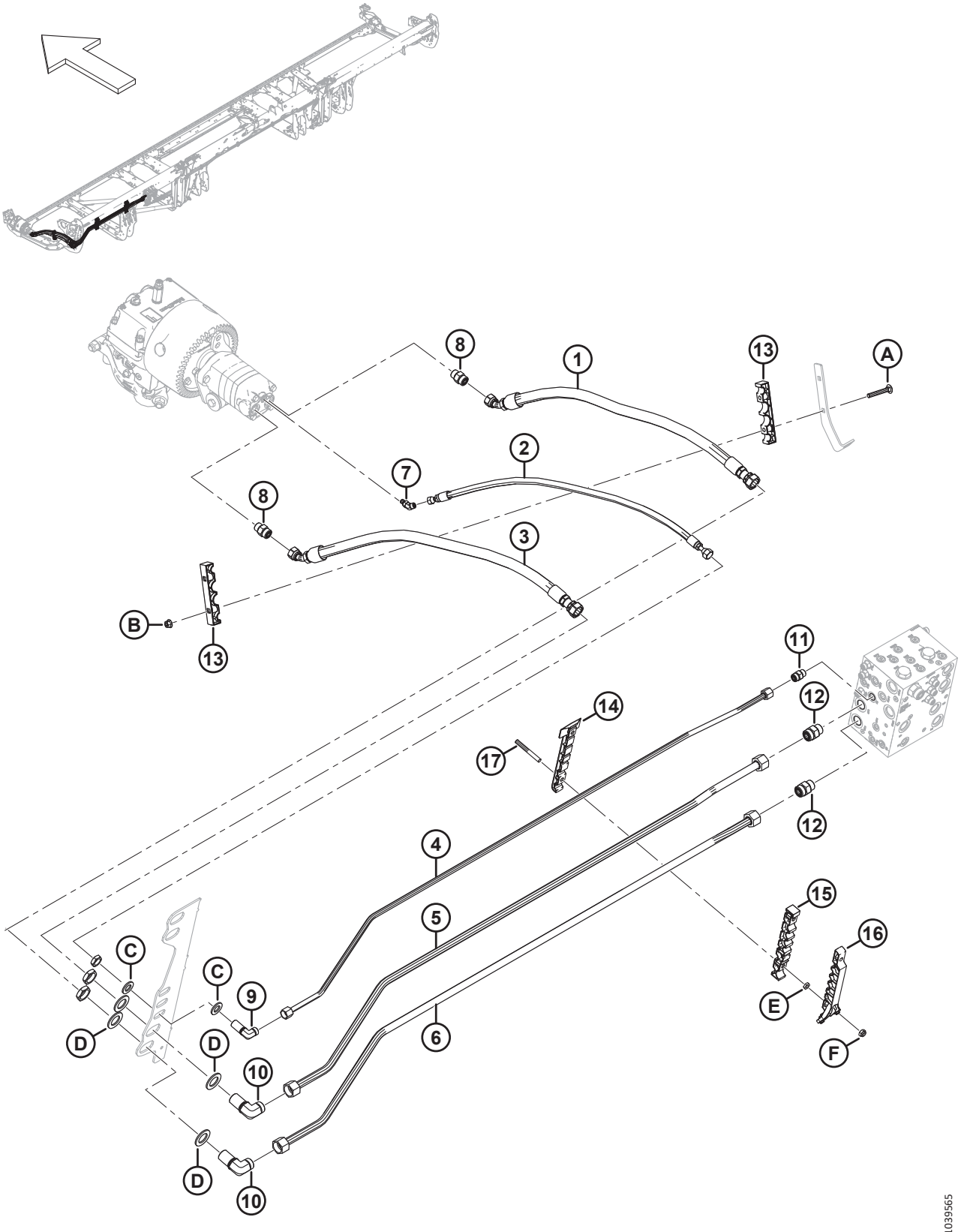
81 Hydraulics – Manifold Plugs



Ref	Part Number	Description	Qty	Serial Number
1	283502	MANIFOLD ASSY – DK UNTIMED [287]	A/R	
	283500	MANIFOLD ASSY – SK [288]	A/R	
2	103575	**FITTING – PLUG HYD 12 ORB HEX HD**	2	
	30971	**O-RING – Ø2.95 X Ø23.47**		
3	100577	**FITTING – PLUG HYD 6 ORB HEX SOC**	12	
	50219	O-RING – Ø1.98 X Ø11.89		
4	135952	**FITTING – PLUG HYD 2 ORB HEX SOC**	13	
5	102711	**FITTING – PLUG HYD 4 ORB HEX SOC**	13	
	50223	**O-RING – Ø1.83 X Ø8.92**		
6	158174	**FITTING – PLUG HYD 8 ORB HEX SOC**	2	
	44209	O-RING – Ø2.21 X Ø16.36		
7	136524	**FITTING – PLUG HYD 16 ORB HEX SOC**	1	
	50220	O-RING – Ø2.95 X Ø29.74		
8	283567	PLUG – CAVITY	2	
	283569	SEAL KIT		
9	136269	FITTING – PLUG HYD 12 ORB HEX SOC **(SK ONLY)** [289]	2	
	30971	O-RING – Ø2.95 X Ø23.47		
10	**158174**	**FITTING – PLUG HYD 8 ORB HEX SOC (DK ONLY, INTERNAL PLUG)** [290]	**1**	
A	136850	BOLT – HEX HD M10 X 1.5 X 160-8.8-AA1J		

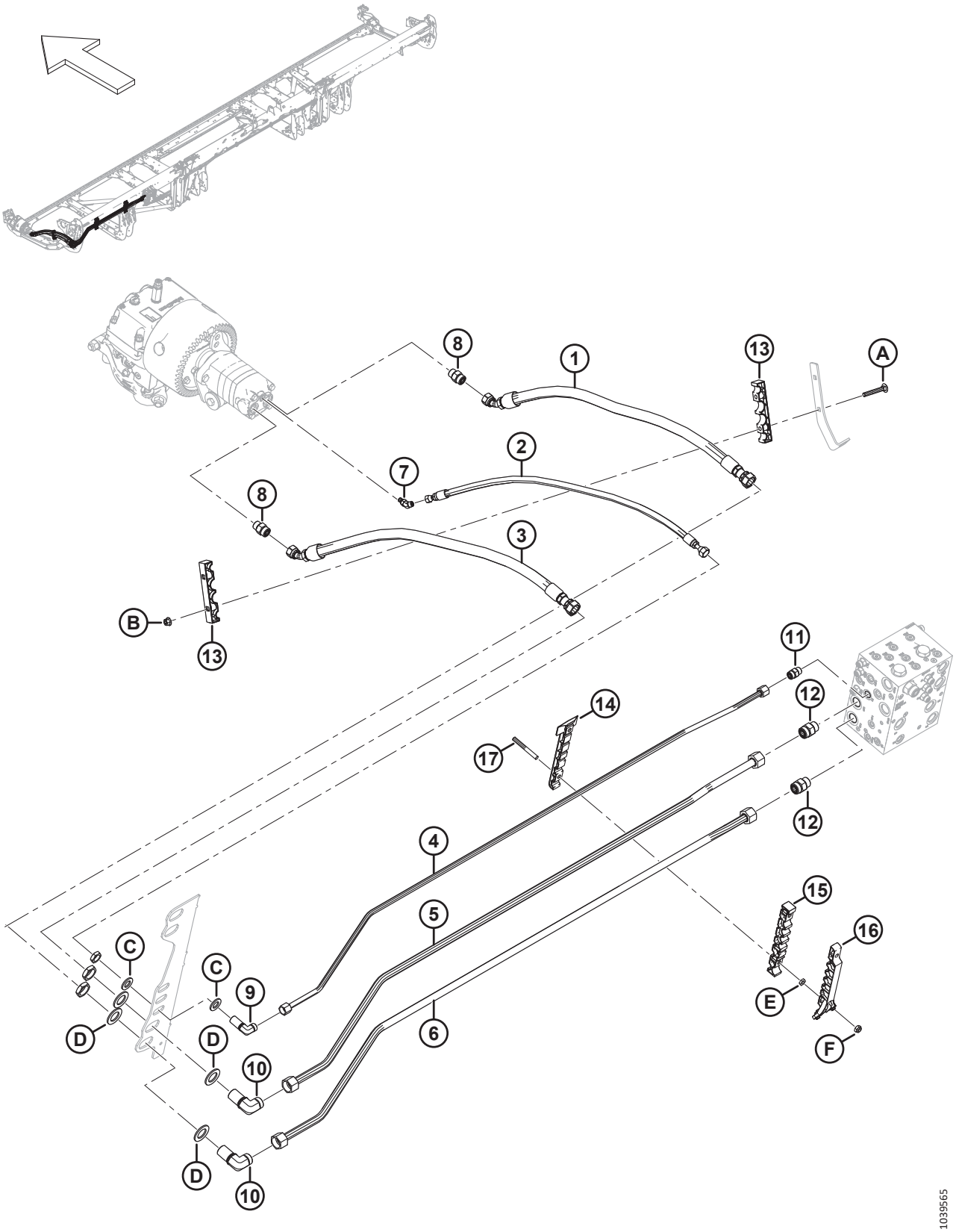
287. Manifold assembly (MD #283502) includes 12 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 4 fittings (MD #135788), 1 plug (MD #136524), 3 plugs (MD #158174), and 2 plugs (MD #283567). For manifold fittings, refer to Section *80 Hydraulics – Manifold Fittings and Fasteners, page 187*.
288. Manifold assembly (MD #283500) includes 10 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 2 fittings (MD #135788), 2 plugs (MD #136269), 1 plug (MD #136524), 2 plugs (MD #158174), and 2 plugs (MD #283567). For manifold fittings, refer to Section *80 Hydraulics – Manifold Fittings and Fasteners, page 187*.
289. Single-knife configurations only.
290. Double-knife configurations only. This 8 ORB hex socket plug (MD #158174) is installed inside the double-knife manifold assembly prior to installing 16 ORB hex socket plug (MD #136524).

82 Hydraulics – Knife Drive, Single and Double Knife, Left Side (FD225, FD230, FD235, FD240, FD241, and FD245)



Ref	Part Number	Description	Qty	Serial Number
1	283063	HOSE – HYD	1	
2	283065	HOSE – HYD	1	
3	283202	HOSE – HYD	1	
4	283233	LINE – HYDRAULIC (FD225) [291]	1	
	283048	LINE – HYDRAULIC (FD230) [292]	1	
	283201	LINE – HYDRAULIC (FD235) [293]	1	
	283411	LINE – HYDRAULIC (FD240) [294]	1	
	283458	LINE – HYDRAULIC (FD241) [295]	1	
	283411	LINE – HYDRAULIC (FD245) [296]	1	
5	283232	LINE – HYDRAULIC (FD225) [291]	1	
	283047	LINE – HYDRAULIC (FD230) [292]	1	
	283104	LINE – HYDRAULIC (FD235) [293]	1	
	283410	LINE – HYDRAULIC (FD240) [294]	1	
	283457	LINE – HYDRAULIC (FD241) [295]	1	
	283410	LINE – HYDRAULIC (FD245) [296]	1	
6	283231	LINE – HYDRAULIC (FD225) [291]	1	
	283046	LINE – HYDRAULIC (FD230) [292]	1	
	283102	LINE – HYDRAULIC (FD235) [293]	1	
	283409	LINE – HYDRAULIC (FD240) [294]	1	
	283456	LINE – HYDRAULIC (FD241) [295]	1	
	283409	LINE – HYDRAULIC (FD245) [296]	1	
7	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
8	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
9	136244	FITTING – ELBOW 90° BULKHEAD HYD [297]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
10	136245	FITTING – ELBOW 90° BULKHEAD HYD [297]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
11	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		

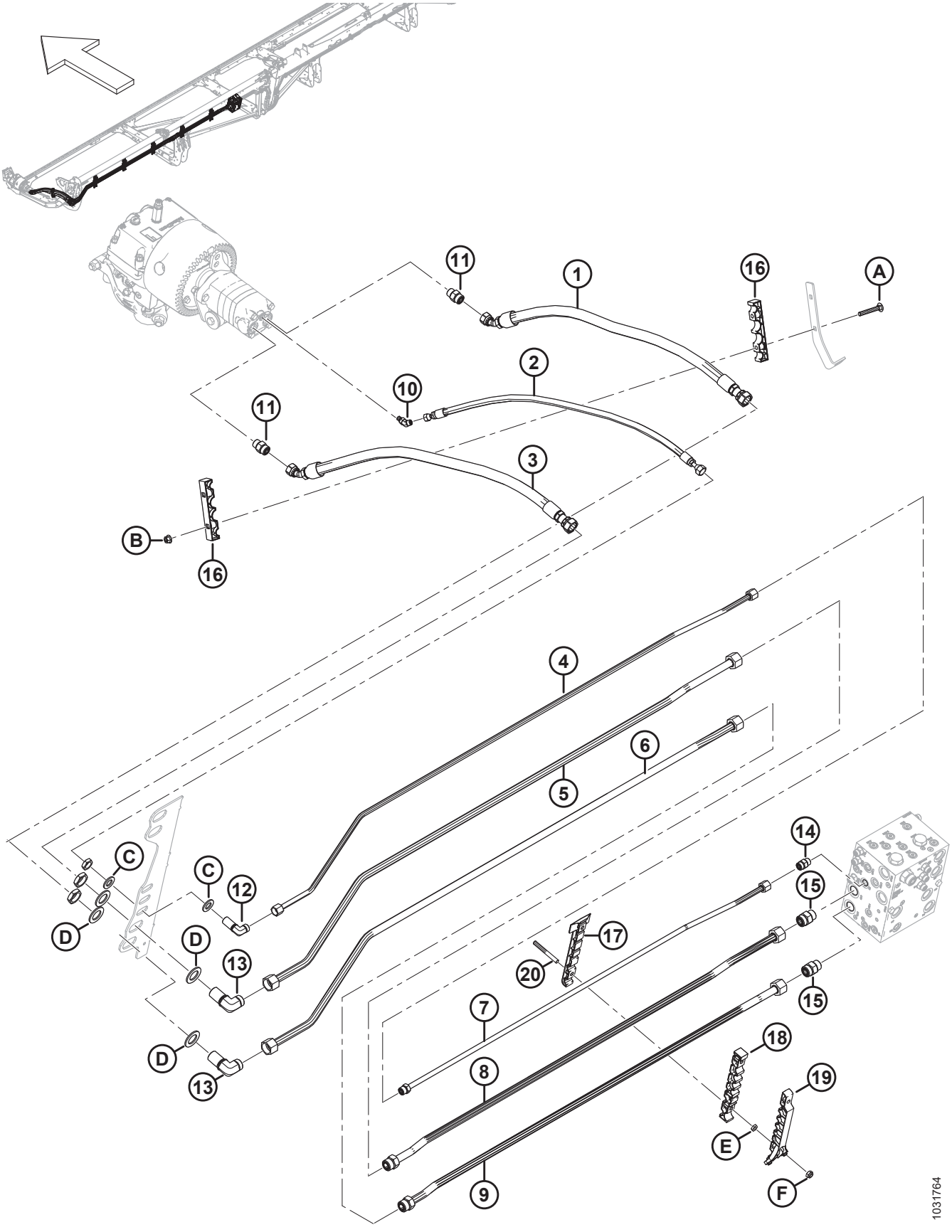
291. Used for FD225 headers.
292. Used for FD230 headers.
293. Used for FD235 headers.
294. Used for FD240 headers.
295. Used for FD241 headers.
296. Used for FD245 headers.
297. The fitting includes a securing nut.


1039565

Ref	Part Number	Description	Qty	Serial Number
12	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
13	283984	CLAMP – LINE KNIFE	2	
14	283797	CLAMP – LINE BOTTOM LH [298]		
15	283807	CLAMP – LINE MIDDLE LH [298]		
16	311233	CLAMP – LINE TOP LH [298]		
17	312654	STUD – THRD CLAMP PATCH WING [299]		
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J	2	
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10	2	
C	18601	WASHER – FLAT SAE	2	
D	136355	WASHER – FLAT 2.0 IN OD ZP	4	
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

298. Quantities: FD225 = 1, FD230 = 2, FD235 = 3, FD240 = 4, FD241 = 4, and FD245 = 4.
299. Quantities: FD225 = 2, FD230 = 4, FD235 = 6, FD240 = 8, FD241 = 8, and FD245 = 8.

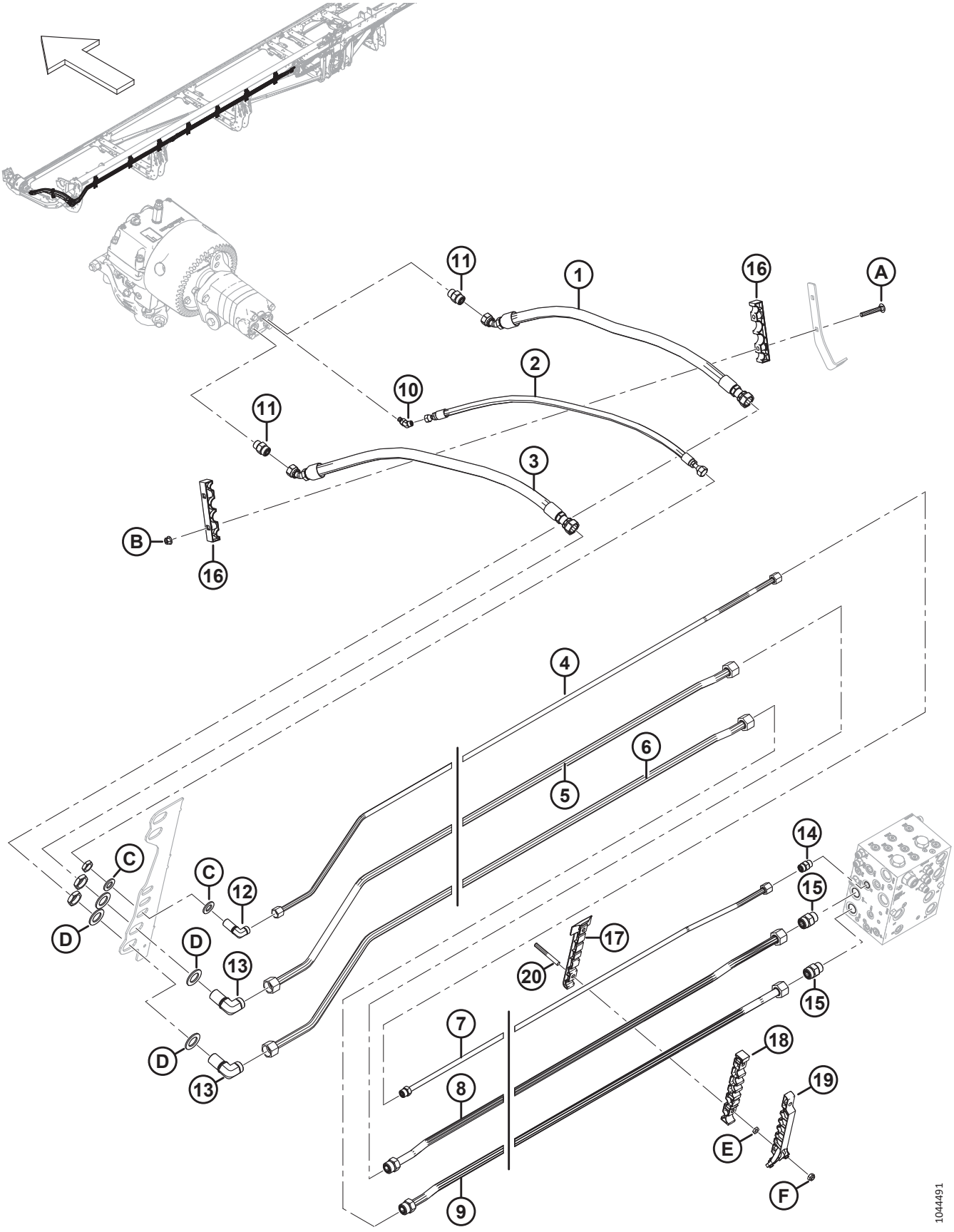
83 Hydraulics – Knife Drive, Double Knife, Left Side (FD250)



Ref	Part Number	Description	Qty	Serial Number
1	283063	HOSE – HYD	1	
2	283065	HOSE – HYD	1	
3	283202	HOSE – HYD	1	
4	283465	LINE – HYDRAULIC (FD250)	1	
5	283464	LINE – HYDRAULIC (FD250)	1	
6	283463	LINE – HYDRAULIC (FD250)	1	
7	283174	LINE – HYDRAULIC (FD250)	1	
	135866	O-RING – Ø1.78 X Ø12.42		
8	283173	LINE – HYDRAULIC (FD250)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
9	283172	LINE – HYDRAULIC (FD250)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
10	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
11	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
12	136244	FITTING – ELBOW 90° BULKHEAD HYD [300]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
13	136245	FITTING – ELBOW 90° BULKHEAD HYD [300]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
14	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
15	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
16	283984	CLAMP – LINE KNIFE	2	
17	283797	CLAMP – LINE BOTTOM LH	5	
18	283807	CLAMP – LINE MIDDLE LH	5	
19	311233	CLAMP – LINE TOP LH	5	
20	312654	STUD – THRD CLAMP PATCH WING	10	
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18601	WASHER – FLAT SAE		
D	136355	WASHER – FLAT 2.0 IN OD ZP		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

300. The fitting includes a securing nut.

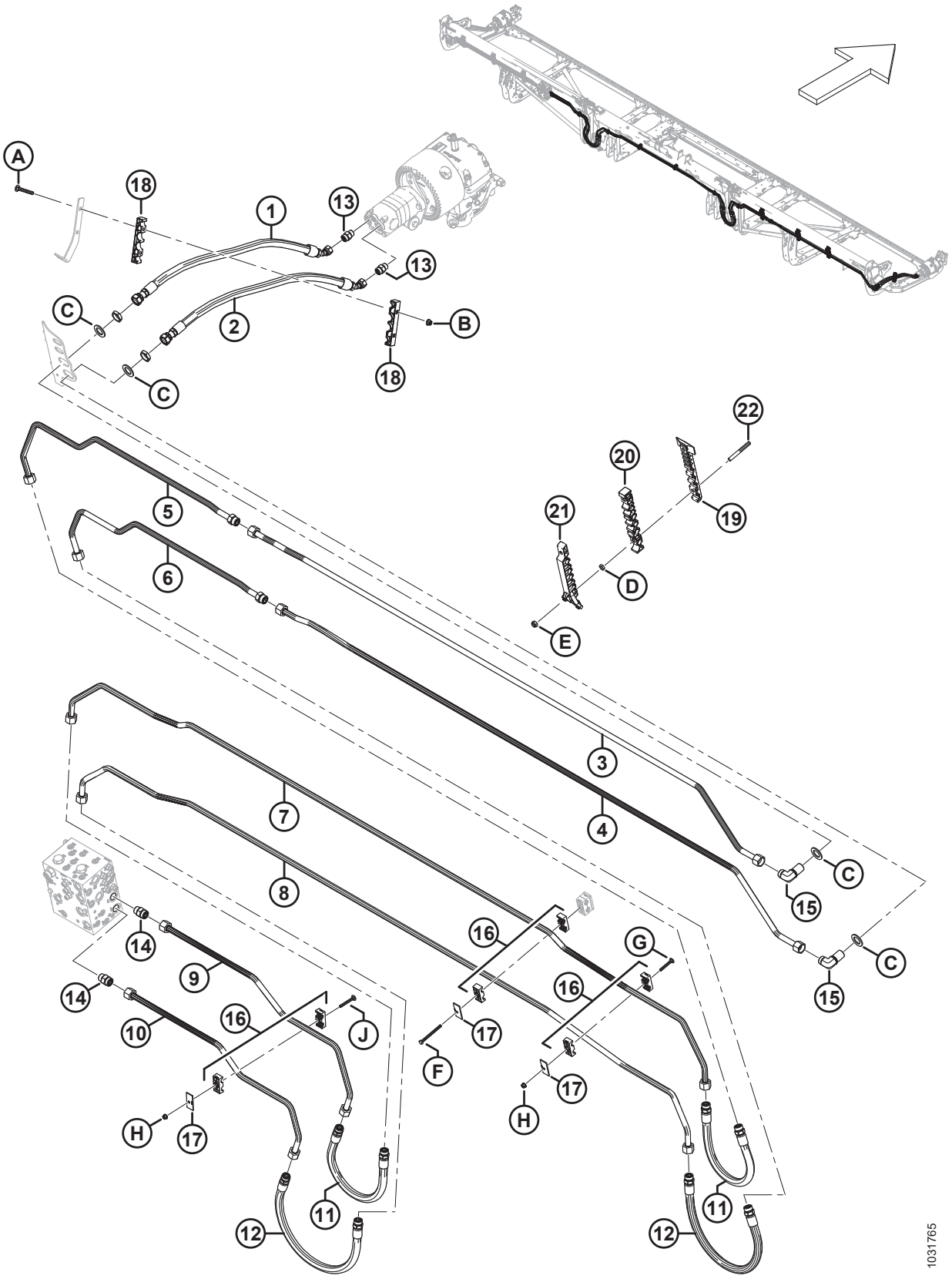
84 Hydraulics – Knife Drive, Double Knife, Left Side (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	283063	HOSE – HYD	1	
2	283065	HOSE – HYD	1	
3	283202	HOSE – HYD	1	
4	366078	LINE – HYDRAULIC (FD261)	1	
5	366077	LINE – HYDRAULIC (FD261)	1	
6	366076	LINE – HYDRAULIC (FD261)	1	
7	366075	LINE – HYDRAULIC (FD261)	1	
8	366074	LINE – HYDRAULIC (FD261)	1	
9	366073	LINE – HYDRAULIC (FD261)	1	
10	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
11	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
12	136244	FITTING – ELBOW 90° BULKHEAD HYD [301]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
13	136245	FITTING – ELBOW 90° BULKHEAD HYD [301]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
14	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
15	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
16	283984	CLAMP – LINE KNIFE	2	
17	283797	CLAMP – LINE BOTTOM LH	7	
18	283807	CLAMP – LINE MIDDLE LH	7	
19	311233	CLAMP – LINE TOP LH	7	
20	312654	STUD – THRD CLAMP PATCH WING	14	
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18601	WASHER – FLAT SAE		
D	136355	WASHER – FLAT 2.0 IN OD ZP		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

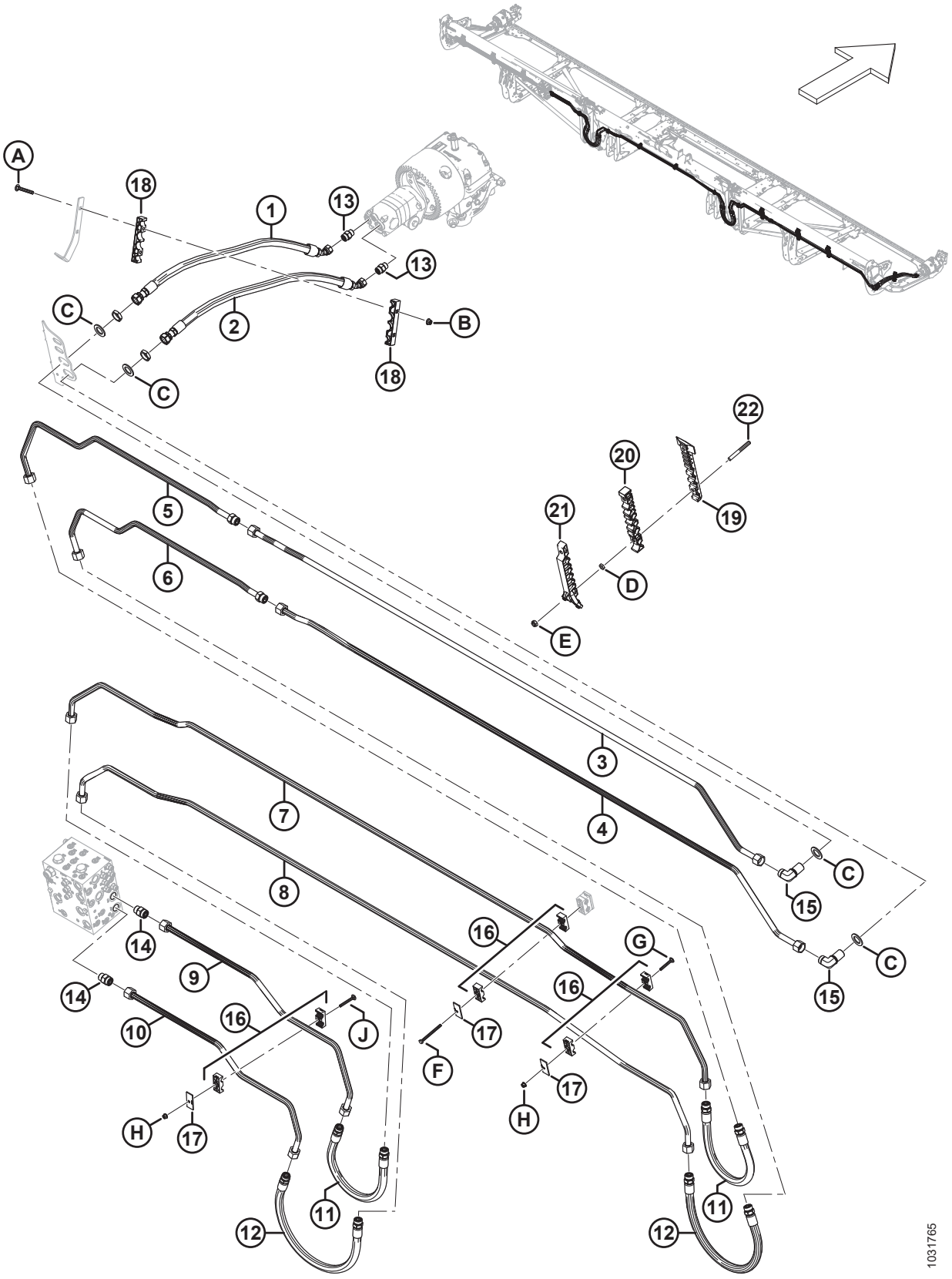
301. The fitting includes a securing nut.

85 Hydraulics – Knife Drive, Double Knife, Right Side (FD235, FD240, and FD241)



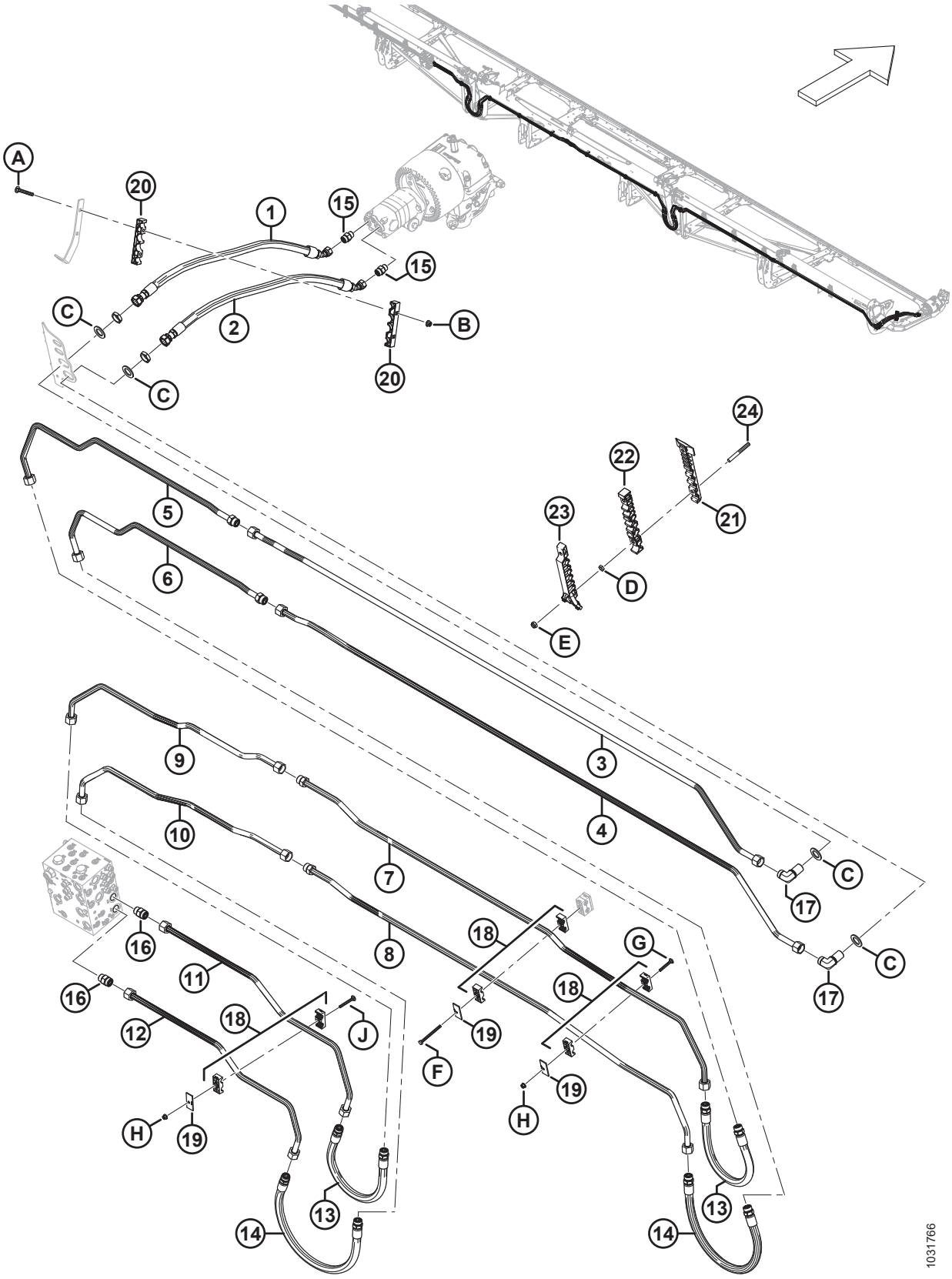
Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	283413	LINE – HYDRAULIC (FD235–FD241)	1	
4	283412	LINE – HYDRAULIC (FD235–FD241)	1	
5	283203	LINE – HYDRAULIC (FD235) [302]	1	
	283422	LINE – HYDRAULIC (FD240) [303]	1	
	283427	LINE – HYDRAULIC (FD241) [304]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283204	LINE – HYDRAULIC (FD235) [302]	1	
	283421	LINE – HYDRAULIC (FD240) [303]	1	
	283426	LINE – HYDRAULIC (FD241) [304]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283036	LINE – HYDRAULIC (FD235–FD241)	1	
8	283035	LINE – HYDRAULIC (FD235–FD241)	1	
9	283069	LINE – HYDRAULIC (FD235–FD241)	1	
10	283068	LINE – HYDRAULIC (FD235–FD241)	1	
11	283070	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
12	283378	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
13	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
14	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
15	136245	FITTING – ELBOW 90° BULKHEAD HYD [305]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
16	232397	CLAMP – ASSY [306]	6	
17	232233	CLAMP – COVER PLATE	6	
18	283984	CLAMP – LINE KNIFE	2	
19	283797	CLAMP – LINE BOTTOM LH		
20	283807	CLAMP – LINE MIDDLE LH		
21	311233	CLAMP – LINE TOP LH		
22	312654	STUD – THRD CLAMP PATCH WING		
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

302. Used for FD235 headers.
303. Used for FD240 headers.
304. Used for FD241 headers.
305. The fitting includes a securing nut (NSS).
306. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.


A
18
1
13
13
C
2
B
18
C
22
20
19
21
D
E
5
6
3
4
C
15
C
15
7
8
14
9
14
10
16
J
16
17
F
16
G
17
H
H
17
11
12
11
12
1031765

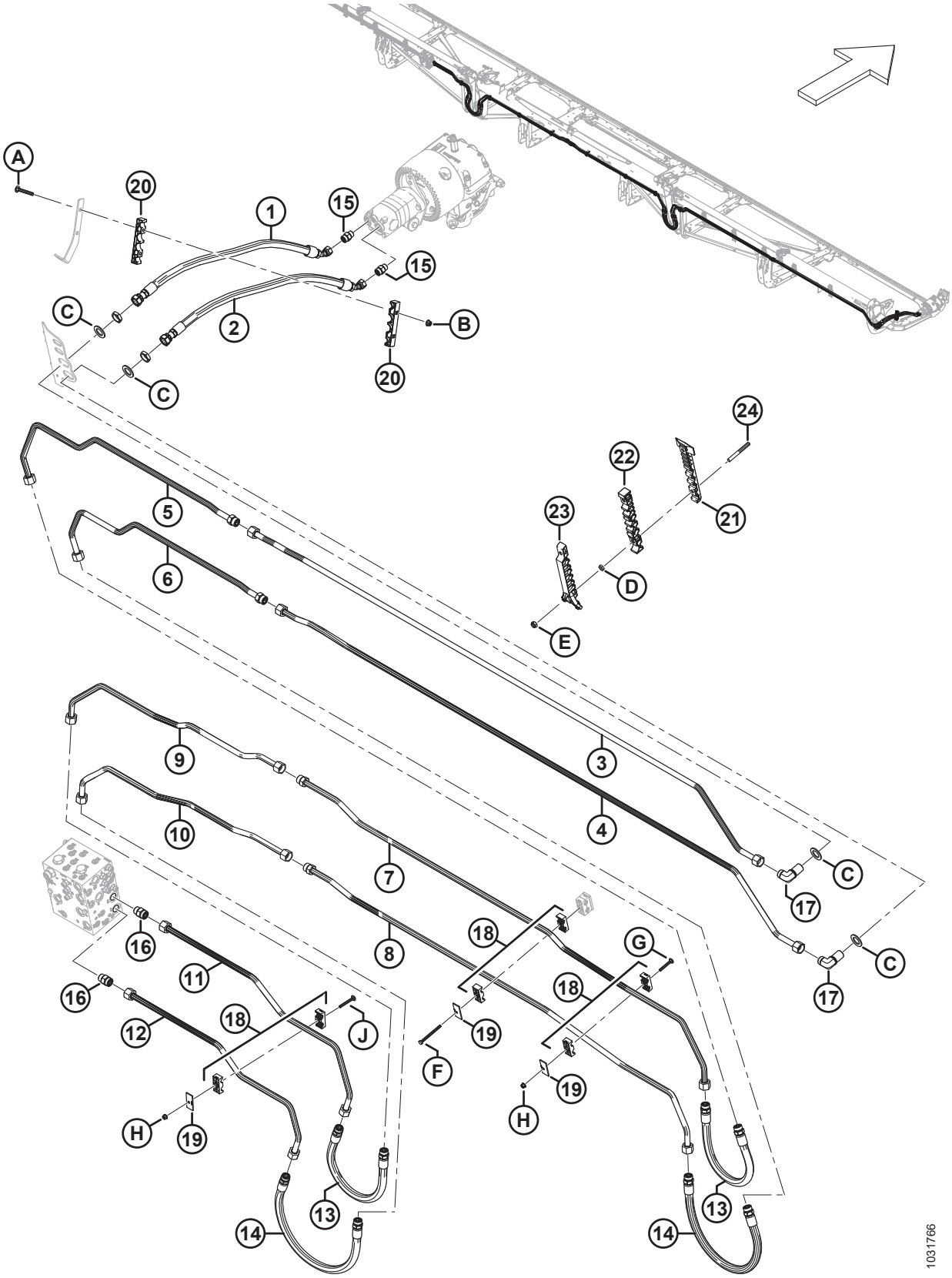
Ref	Part Number	Description	Qty	Serial Number
C	136355	WASHER – FLAT 2.0 IN OD ZP		
D	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
E	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
F	252002	BOLT – HEX HD M8 X 1.25 X 100-8.8-AA1J		
G	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	136779	BOLT – RHSN M8 X 1.25 X 70-8.8-AA1J		

86 Hydraulics – Knife Drive, Double Knife, Right Side (FD245 and FD250)



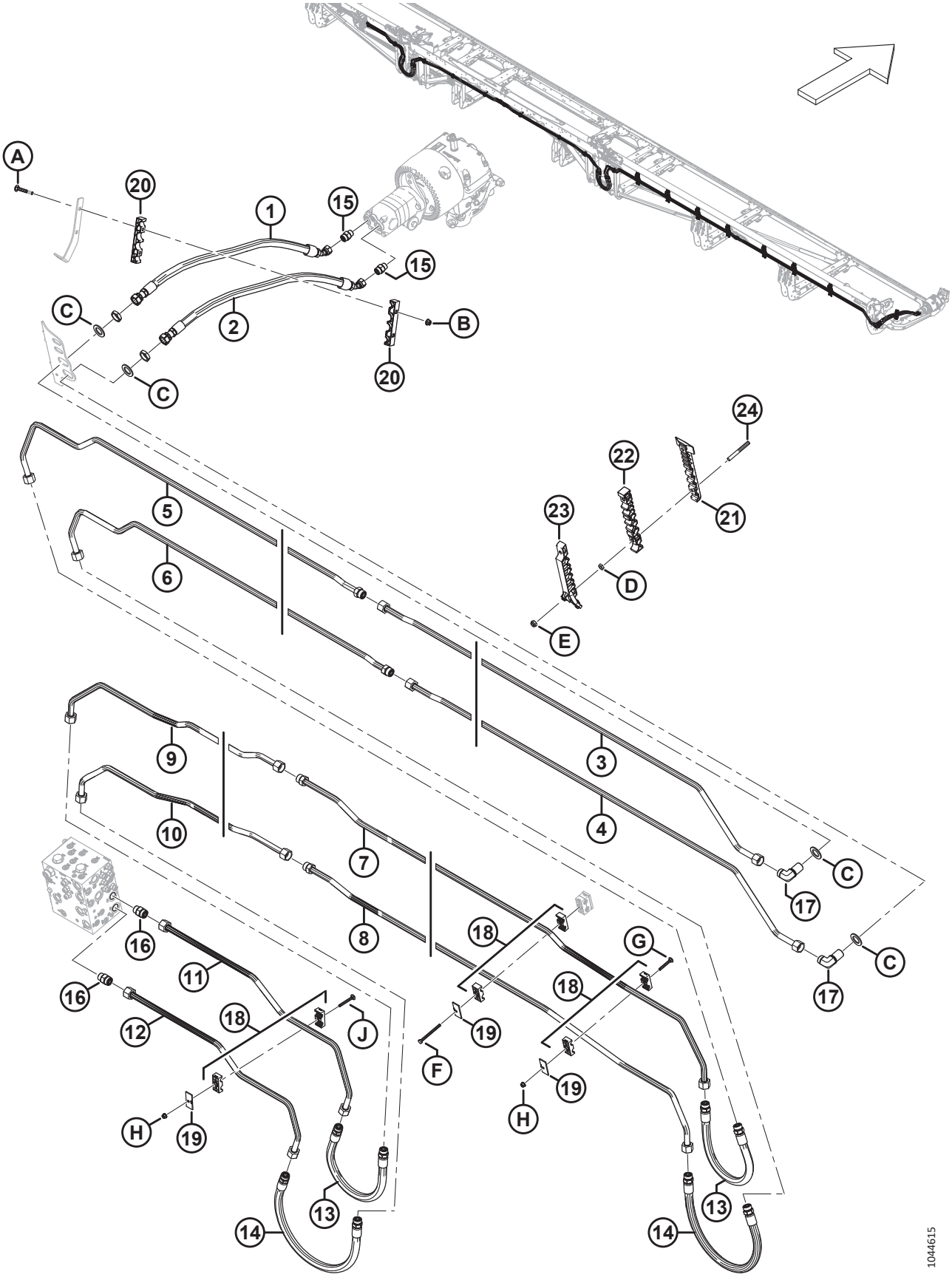
Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	283413	LINE – HYDRAULIC (FD245 AND FD250)	1	
4	283412	LINE – HYDRAULIC (FD245 AND FD250)	1	
5	283422	LINE – HYDRAULIC (FD245) [307]	1	
	283176	LINE – HYDRAULIC (FD250) [308]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283421	LINE – HYDRAULIC (FD245) [307]	1	
	283175	LINE – HYDRAULIC (FD250) [308]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283443	LINE – HYDRAULIC (FD245 AND FD250)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283441	LINE – HYDRAULIC (FD245 AND FD250)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
9	283442	LINE – HYDRAULIC (FD245 AND FD250)	1	
10	283440	LINE – HYDRAULIC (FD245 AND FD250)	1	
11	283069	LINE – HYDRAULIC (FD245 AND FD250)	1	
12	283068	LINE – HYDRAULIC (FD245 AND FD250)	1	
13	283070	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
14	283378	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
15	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
16	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
17	136245	FITTING – ELBOW 90° BULKHEAD HYD [309]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
18	232397	CLAMP – ASSY [310]	6	
19	232233	CLAMP – COVER PLATE	6	
20	283984	CLAMP – LINE KNIFE	2	
21	283797	CLAMP – LINE BOTTOM LH [311]		
22	283807	CLAMP – LINE MIDDLE LH [311]		
23	311233	CLAMP – LINE TOP LH [311]		
24	312654	STUD – THRD CLAMP PATCH WING [312]		

307. Used for FD245 headers.
308. Used for FD250 headers.
309. The fitting includes a securing nut (NSS).
310. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
311. Quantities: FD245 = 4 and FD250 = 4.
312. Quantities: FD245 = 8 and FD250 = 8.


A
20
1
15
15
C
2
B
20
C
24
22
23
21
D
E
5
6
9
3
10
4
7
C
17
8
18
G
16
11
18
16
12
J
19
F
18
19
H
19
H
13
13
14
14
1031766

Ref	Part Number	Description	Qty	Serial Number
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	136355	WASHER – FLAT 2.0 IN OD ZP		
D	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
E	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
F	252002	BOLT – HEX HD M8 X 1.25 X 100-8.8-AA1J		
G	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	136779	BOLT – RHSN M8 X 1.25 X 70-8.8-AA1J		

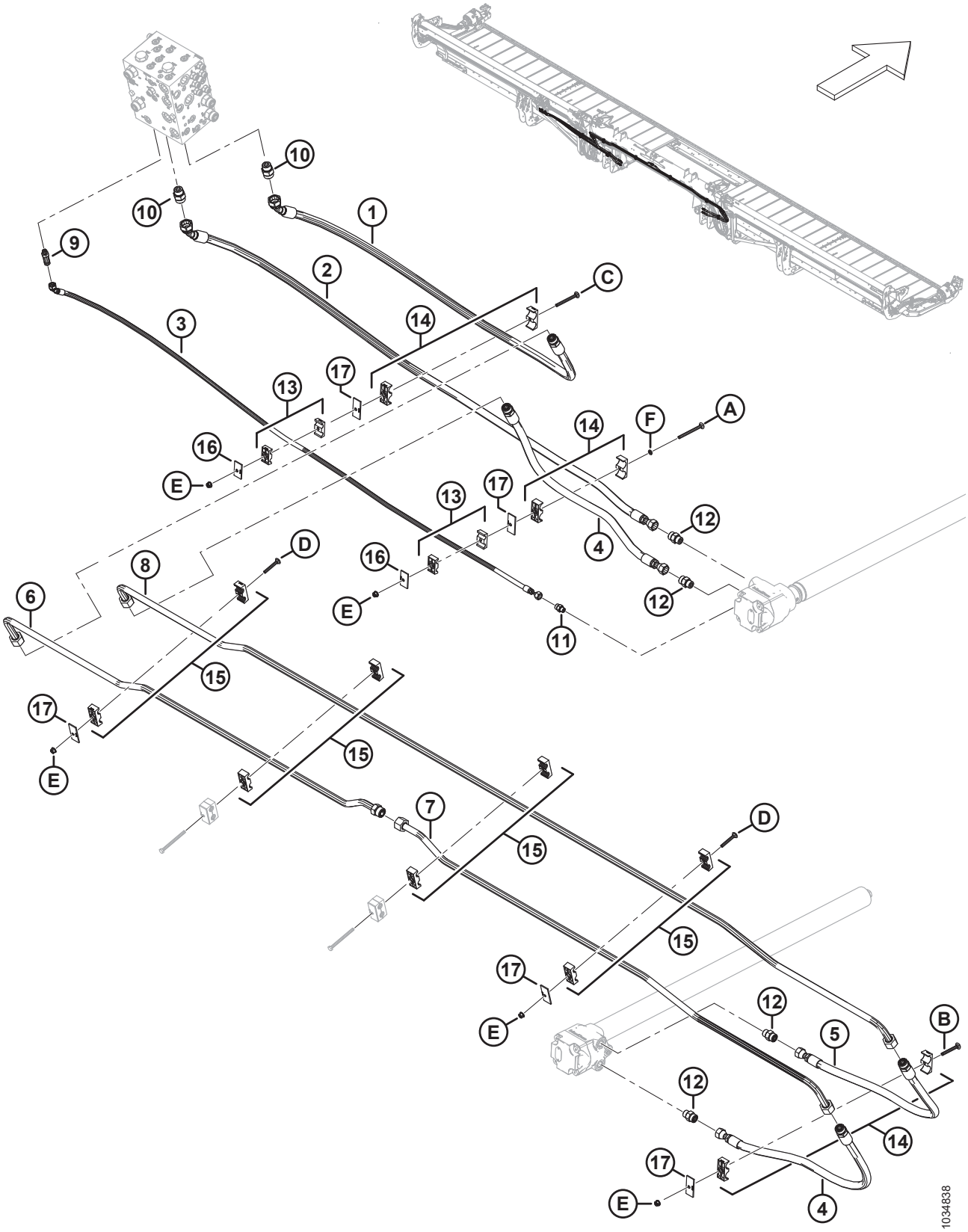
87 Hydraulics – Knife Drive, Double Knife, Right Side (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	366082	LINE – HYDRAULIC (FD261)	1	
4	366081	LINE – HYDRAULIC (FD261)	1	
5	366080	LINE – HYDRAULIC (FD261)	1	
6	366079	LINE – HYDRAULIC (FD261)	1	
7	366118	LINE – HYDRAULIC (FD261)	1	
8	366116	LINE – HYDRAULIC (FD261)	1	
9	366117	LINE – HYDRAULIC (FD261)	1	
10	366115	LINE – HYDRAULIC (FD261)	1	
11	283069	LINE – HYDRAULIC	1	
12	283068	LINE – HYDRAULIC	1	
13	283070	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
14	283378	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
15	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
16	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
17	136245	FITTING – ELBOW 90° BULKHEAD HYD [313]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
18	232397	CLAMP – ASSY [314]	8	
19	232233	CLAMP – COVER PLATE	8	
20	283984	CLAMP – LINE KNIFE	2	
21	283820	CLAMP – LINE BOTTOM RH	7	
22	283818	CLAMP – LINE MIDDLE RH	7	
23	311451	CLAMP – LINE TOP RH	7	
24	312654	STUD – THRD CLAMP PATCH WING	14	
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	136355	WASHER – FLAT 2.0 IN OD ZP		
D	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
E	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
F	252002	BOLT – HEX HD M8 X 1.25 X 100-8.8-AA1J		
G	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	136779	BOLT – RHSN M8 X 1.25 X 70-8.8-AA1J		

313. The fitting includes a securing nut (NSS).
314. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

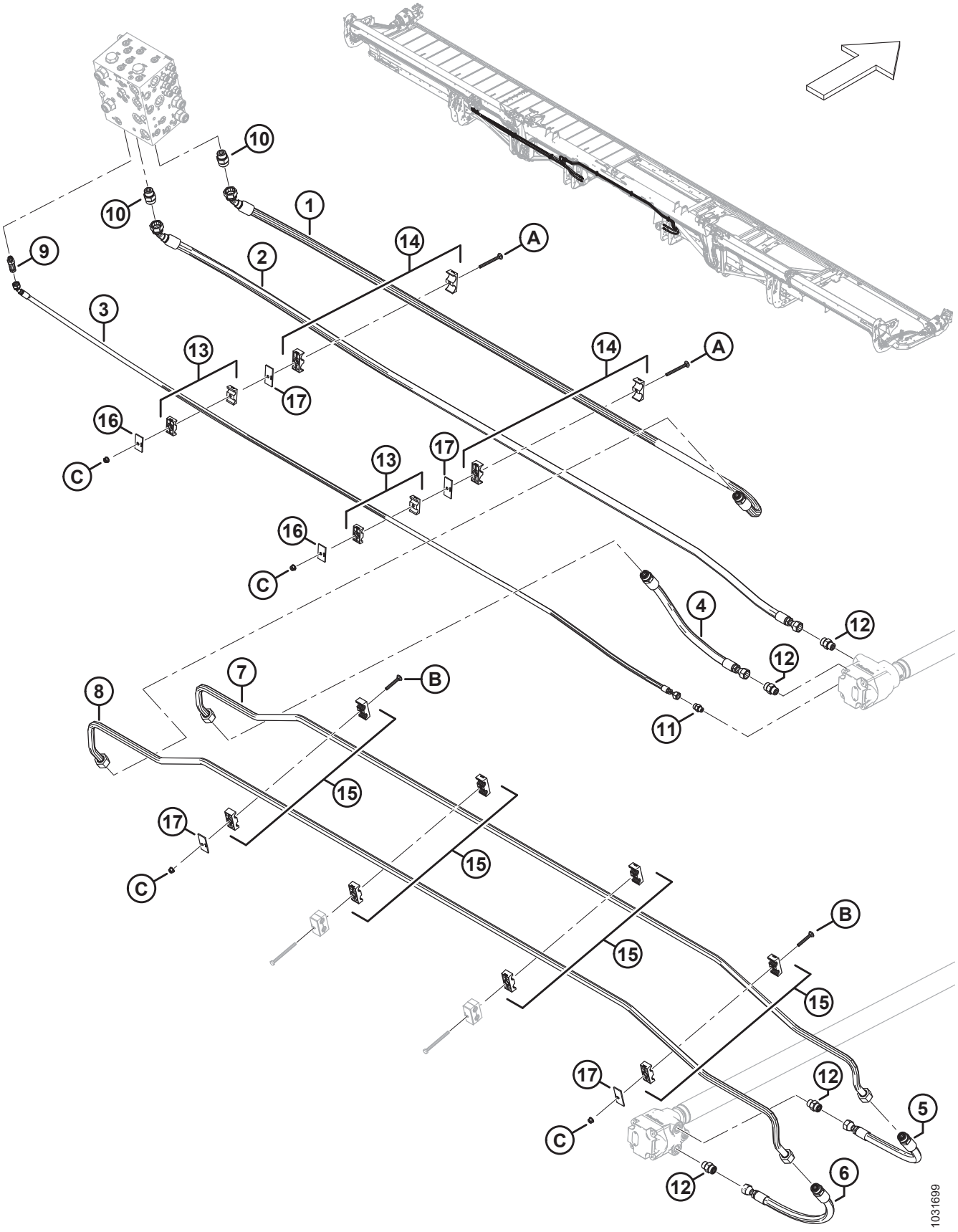
88 Hydraulics – Draper Drive (FD225, FD230, FD235, FD240, and FD241)



Ref	Part Number	Description	Qty	Serial Number
1	283099	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
2	283098	HOSE – HYD	1	
3	283109	HOSE – HYD	1	
4	283091	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283108	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283038	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283039	LINE – HYDRAULIC	1	
8	283037	LINE – HYDRAULIC	1	
9	252902	FITTING – HYD CONNECTOR, LONG (CD) [315]	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	135788	FITTING – ADAPTER (DP, DR) [316]	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
11	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
12	184461	FITTING – ADAPTER HYD	4	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
13	232395	CLAMP – ASSY [317]	2	
14	232219	CLAMP – ASSY [317]	3	
15	232397	CLAMP – ASSY [317]	4	
16	184303	CLAMP – COVER PLATE	2	
17	232233	CLAMP – COVER PLATE	5	
A	320274	BOLT – RHSN SPCL M8 X 1.25 X 100-8.8-ZINC		
B	136779	BOLT – RHSN M8 X 1.25 X 70-8.8-AA1J		
C	136746	BOLT – RHSN M8 X 1.25 X 90-8.8-AA1J		
D	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
E	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
F	184721	WASHER – NYLON RETAINING 1/4 IN.		

315. Connects to port CD.
316. Connects to port DP and DR.
317. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

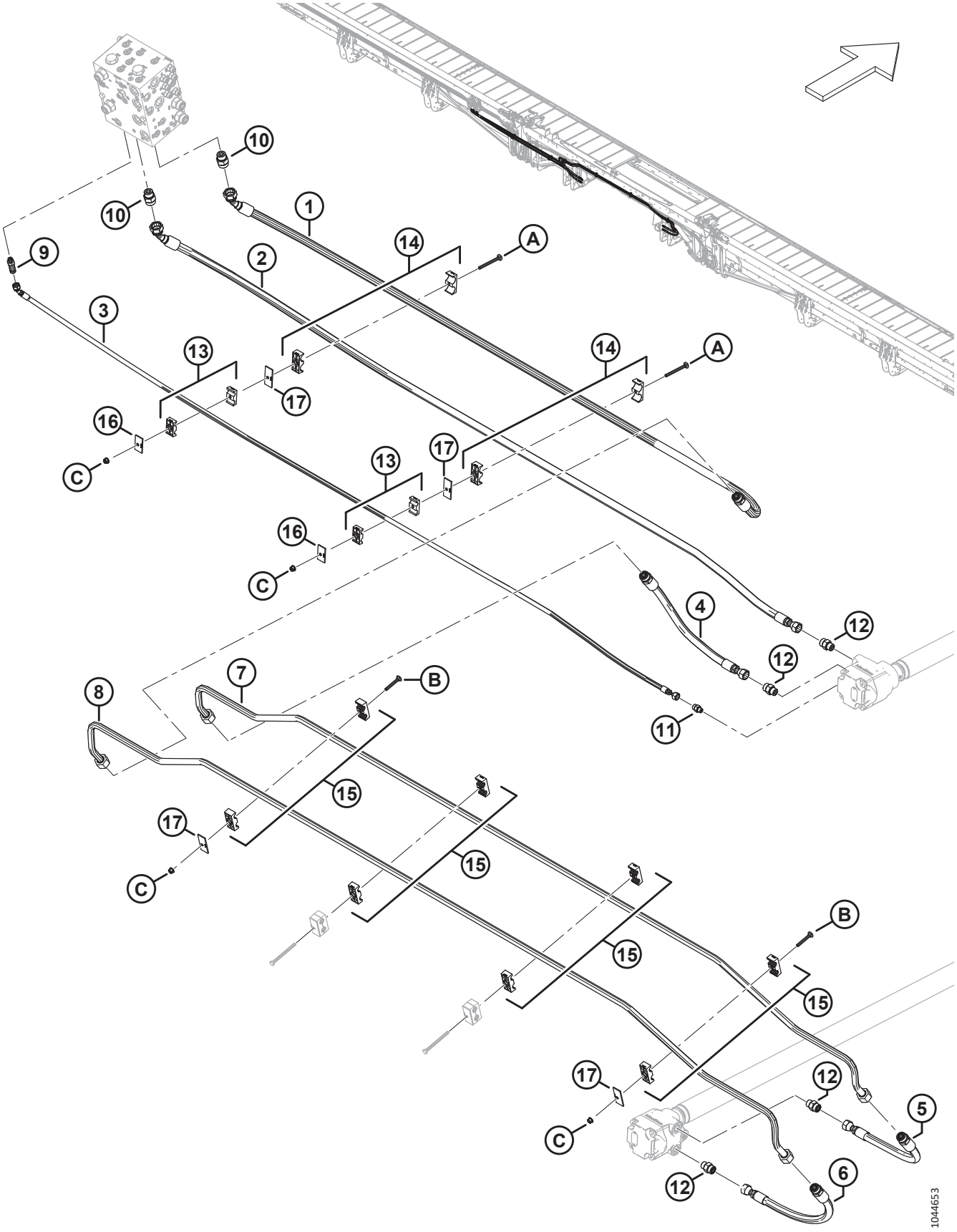
89 Hydraulics – Draper Drive (FD245 and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	283562	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
2	283561	HOSE – HYD	1	
3	283566	HOSE – HYD	1	
4	283563	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283564	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283565	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283508	LINE – HYDRAULIC	1	
8	283509	LINE – HYDRAULIC	1	
9	252902	FITTING – HYD CONNECTOR, LONG	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
11	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
12	184461	FITTING – ADAPTER HYD	4	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
13	232395	CLAMP – ASSY [318]	2	
14	232219	CLAMP – ASSY [318]	2	
15	232397	CLAMP – ASSY [318]	4	
16	184303	CLAMP – COVER PLATE	2	
17	232233	CLAMP – COVER PLATE	4	
A	136746	BOLT – RHSN M8 X 1.25 X 90-8.8-AA1J	2	
B	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J	2	
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J	4	

318. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

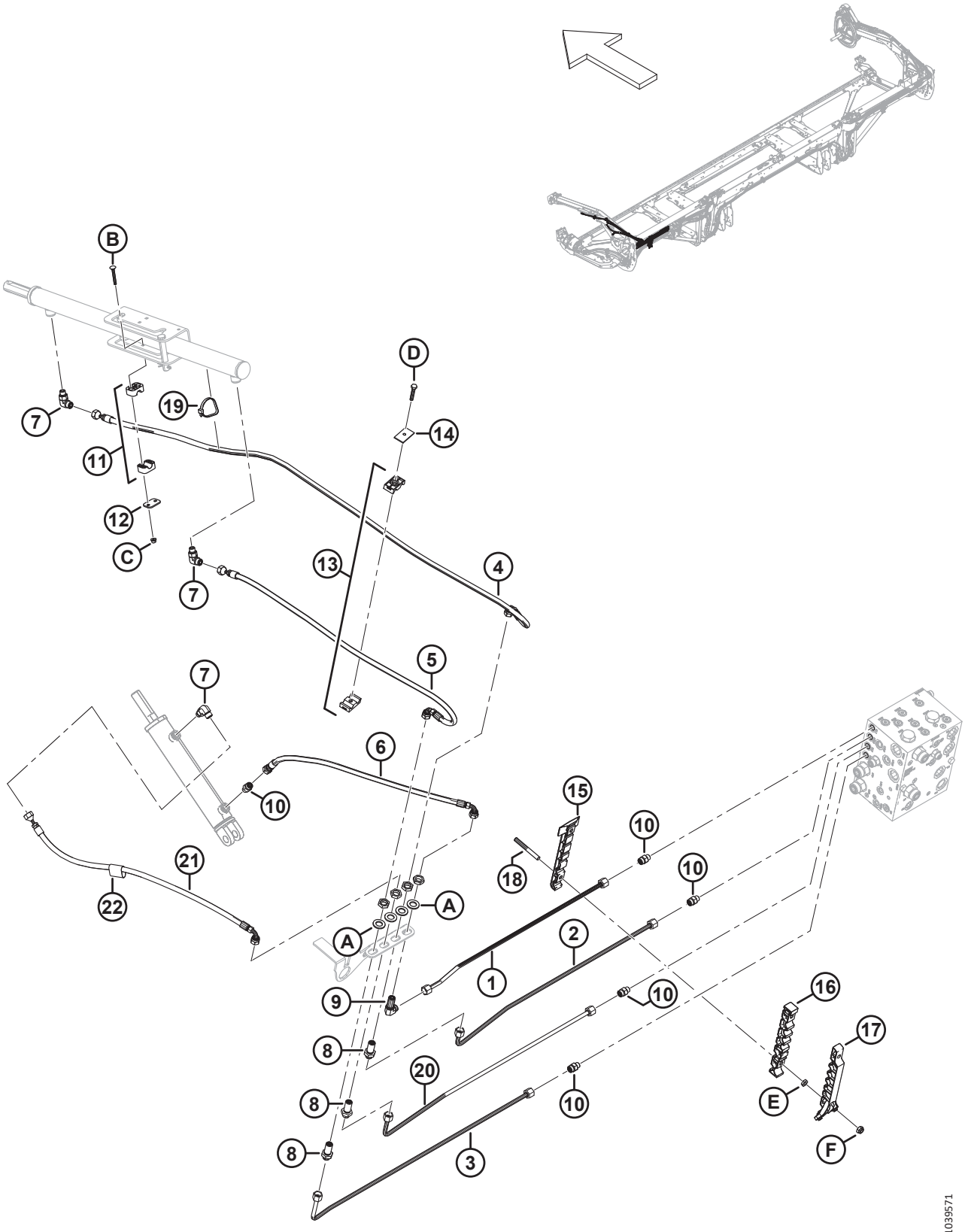
90 Hydraulics – Draper Drive (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	283562	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
2	283561	HOSE – HYD	1	
3	283566	HOSE – HYD	1	
4	283563	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283564	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283565	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	366119	LINE – HYDRAULIC	1	
8	366120	LINE – HYDRAULIC	1	
9	252902	FITTING – HYD CONNECTOR, LONG	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
11	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
12	184461	FITTING – ADAPTER HYD	4	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
13	232395	CLAMP – ASSY [319]	2	
14	232219	CLAMP – ASSY [319]	2	
15	232397	CLAMP – ASSY [319]	4	
16	184303	CLAMP – COVER PLATE	2	
17	232233	CLAMP – COVER PLATE	4	
A	136746	BOLT – RHSN M8 X 1.25 X 90-8.8-AA1J		
B	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

319. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

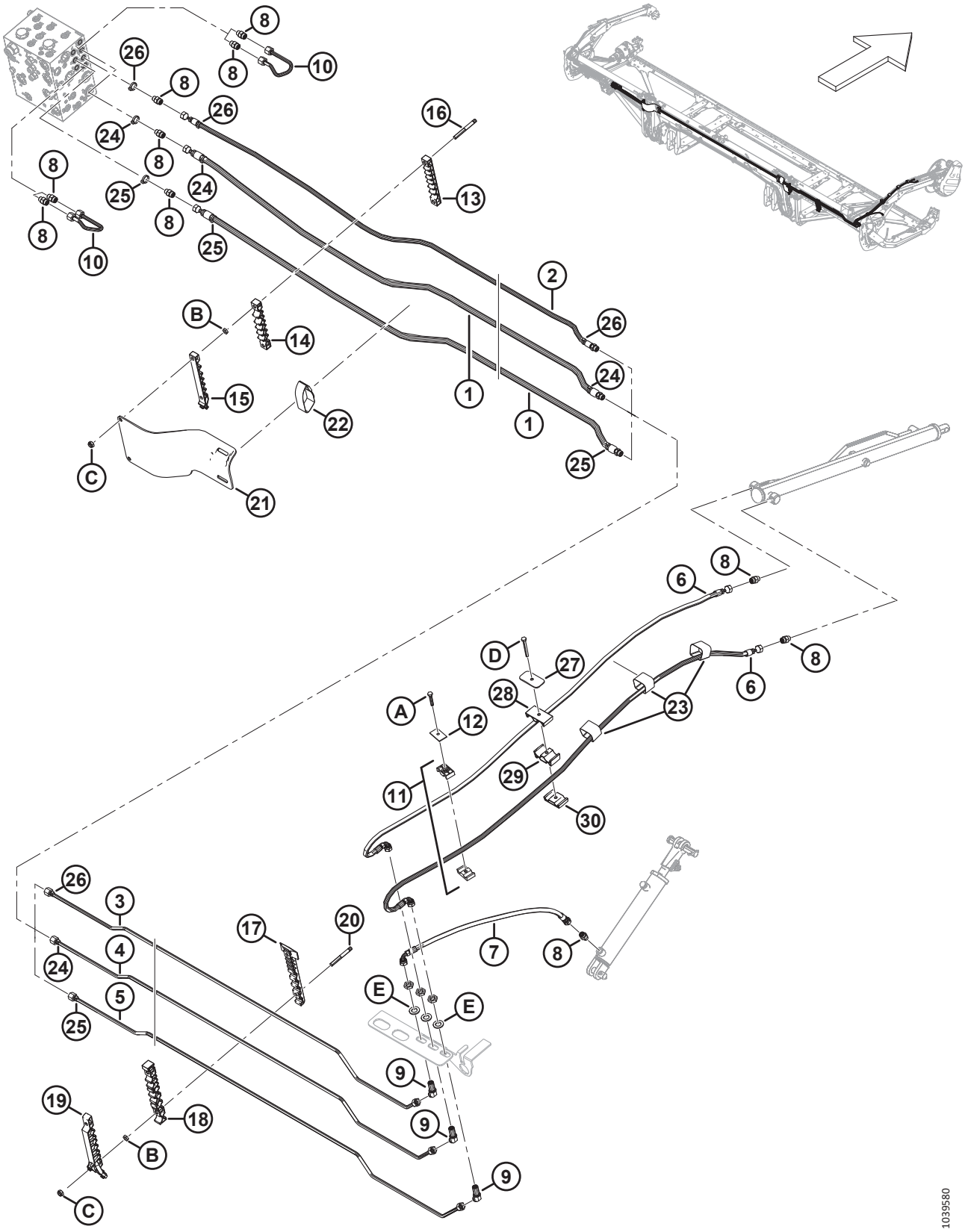
91 Hydraulics – Lift and Fore-Aft, Single Reel, Left Arm (FD225)



Ref	Part Number	Description	Qty	Serial Number
1	283249	LINE – HYDRAULIC (FD225)	1	
2	283248	LINE – HYDRAULIC (FD225)	1	
3	283246	LINE – HYDRAULIC (FD225)	1	
4	283057	HOSE – HYD	1	
5	283058	HOSE – HYD	1	
6	283059	HOSE – HYD	1	
7	136095	FITTING – ELBOW 90° HYD	3	
8	136145	FITTING – BULKHEAD UNION HYD [320]	3	
9	136150	FITTING – ELBOW 90° BLKHD HYD [320]	1	
10	135778	FITTING – ADAPTER	5	
11	283791	CLAMP – ASSY [321]	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY [321]	1	
14	184303	CLAMP – COVER PLATE	1	
15	283797	CLAMP – LINE BOTTOM LH	1	
16	283807	CLAMP – LINE MIDDLE LH	1	
17	311233	CLAMP – LINE TOP LH	1	
18	312654	STUD – THRD CLAMP PATCH WING	2	
19	30753	FASTENER – CABLE TIE, BLACK	1	
20	283247	LINE – HYDRAULIC (FD225)	1	
21	283060	HOSE – HYD	1	
22	135443	CINCH STRAP – 4 IN. LG	1	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

320. The fitting includes a securing nut (NSS).
321. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

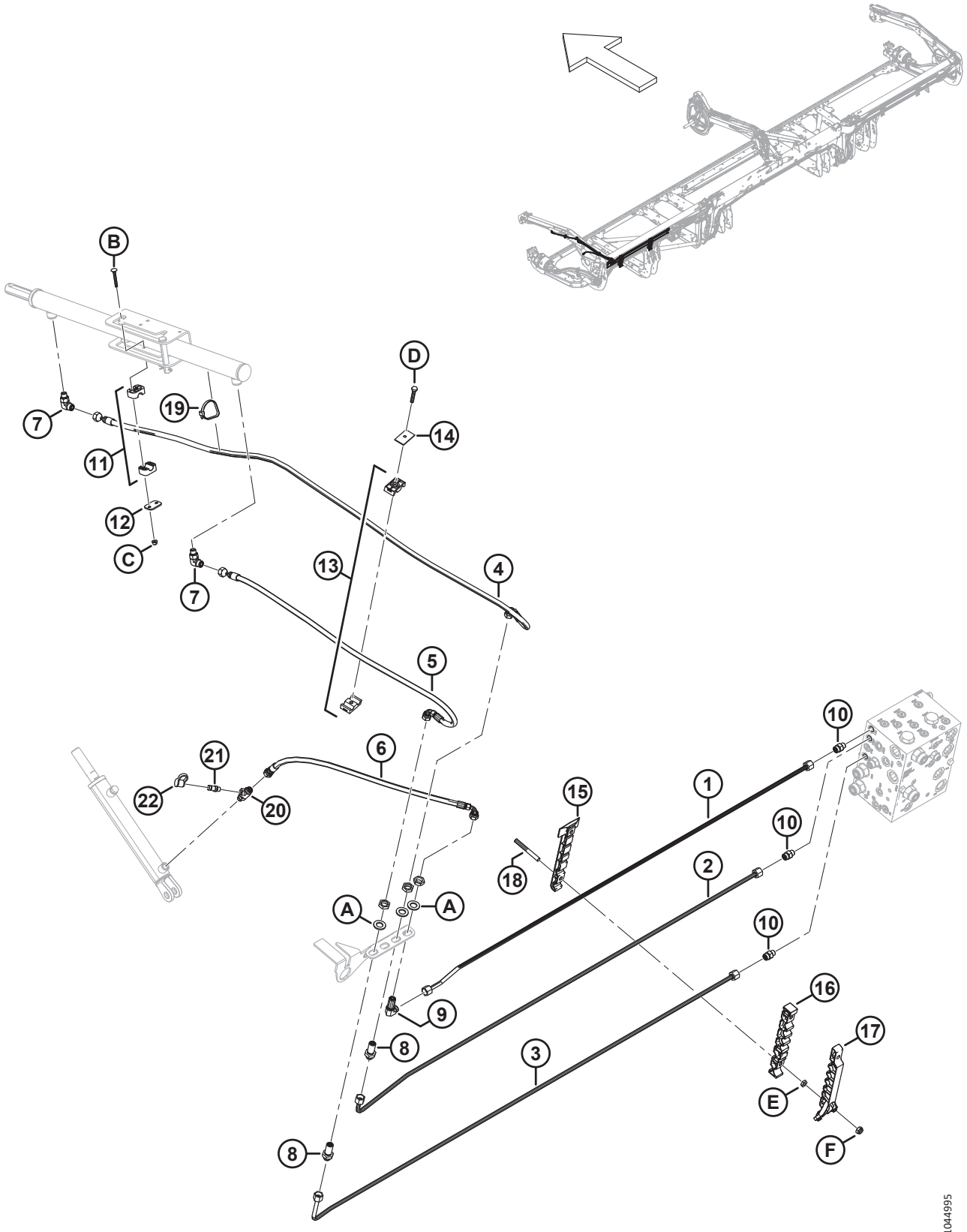
92 Hydraulics – Lift and Fore-Aft, Single Reel, Right Arm (FD225)



Ref	Part Number	Description	Qty	Serial Number
1	283096	HOSE – HYD	2	
	135865	O-RING Ø1.78 X Ø9.25		
2	323356	HOSE – HYD	1	
3	323343	LINE – HYDRAULIC (FD225)	1	
4	323344	LINE – HYDRAULIC (FD225)	1	
5	323345	LINE – HYDRAULIC (FD225)	1	
6	283327	HOSE – HYD	2	
7	283059	HOSE – HYD	1	
8	135778	FITTING – ADAPTER	10	
9	136146	FITTING – ELBOW 45° BLKHD HYD [322]	3	
10	283251	LINE – HYDRAULIC	2	
11	232395	CLAMP – ASSY [323]	1	
12	184303	CLAMP – COVER PLATE	1	
13	283909	CLAMP – LINE TOP FLEX LH	1	
	283906	CLAMP – LINE TOP FLEX RH	1	
14	283910	CLAMP – LINE MIDDLE FLEX LH	1	
	283907	CLAMP – LINE MIDDLE FLEX RH	1	
15	311461	CLAMP – LINE TOP FLEX LH	1	
	311462	CLAMP – LINE TOP FLEX RH	1	
16	312655	STUD – THRD CLAMP PATCH BLACK	2	
17	283820	CLAMP – LINE BOTTOM RH	1	
18	283818	CLAMP – LINE MIDDLE RH	1	
19	311451	CLAMP – LINE TOP RH	1	
20	312654	STUD – THRD CLAMP PATCH WING	4	
21	311354	SHIELD – HOSE TRANSITION LH	1	
	311360	SHIELD – HOSE TRANSITION RH	1	
22	170851	CINCH STRAP – 10 IN. LG	2	
23	135444	CINCH STRAP – 4 IN. LG	3	
24	40704	CABLE TIE – ORANGE	4	
25	40702	CABLE TIE – RED	4	
26	21763	CABLE TIE – BLACK	4	
27	323023	PLATE – CLAMP CENTER REEL ARM	1	
28	283989	PLATE – HOSE REEL TOP	1	
29	283988	PLATE – HOSE REEL MIDDLE	1	
30	283987	PLATE – HOSE REEL BOTTOM	1	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
E	136540	WASHER – FLAT		

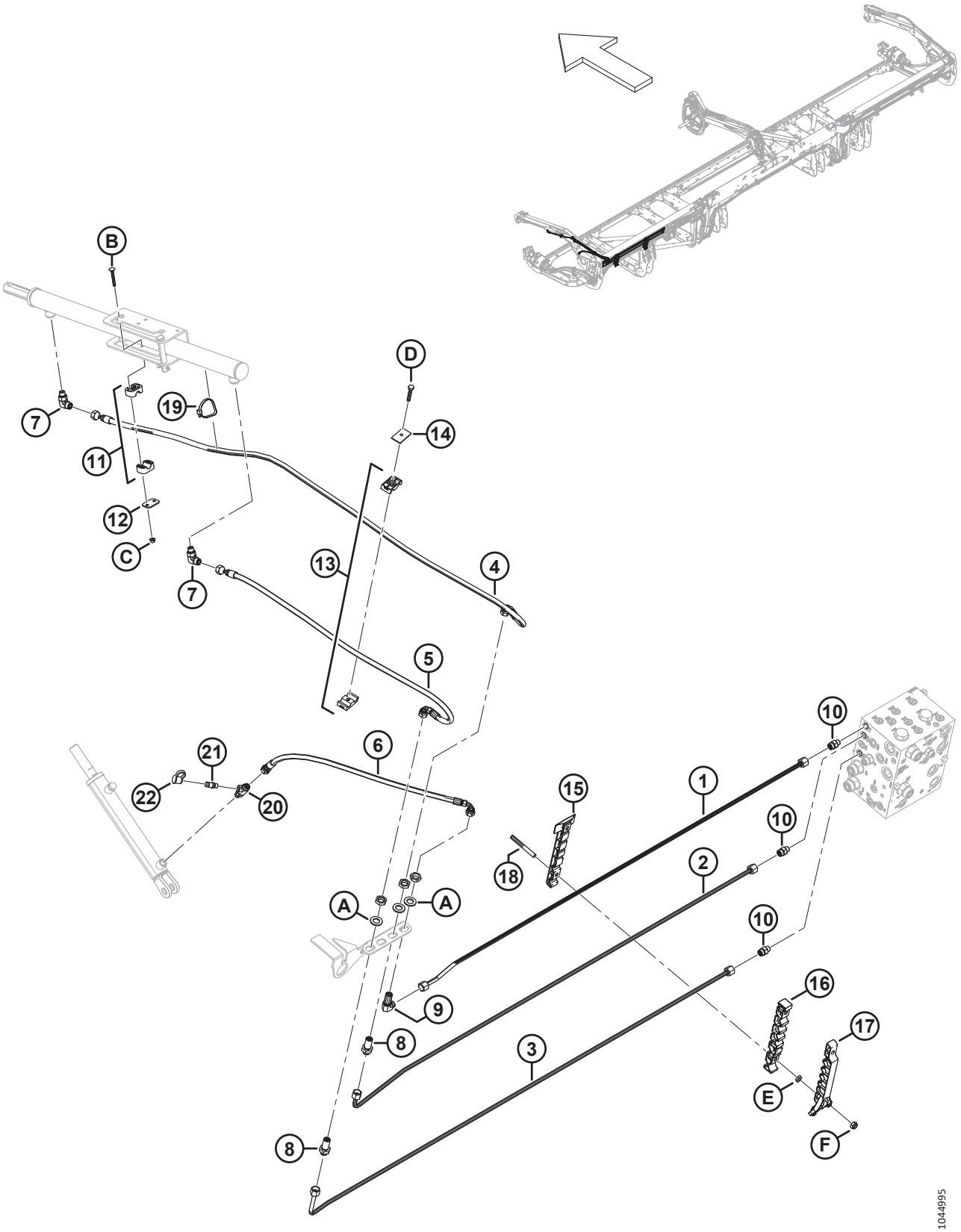
322. The fitting includes a securing nut (NSS).
323. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

93 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (FD230, FD235, FD240, and FD241)



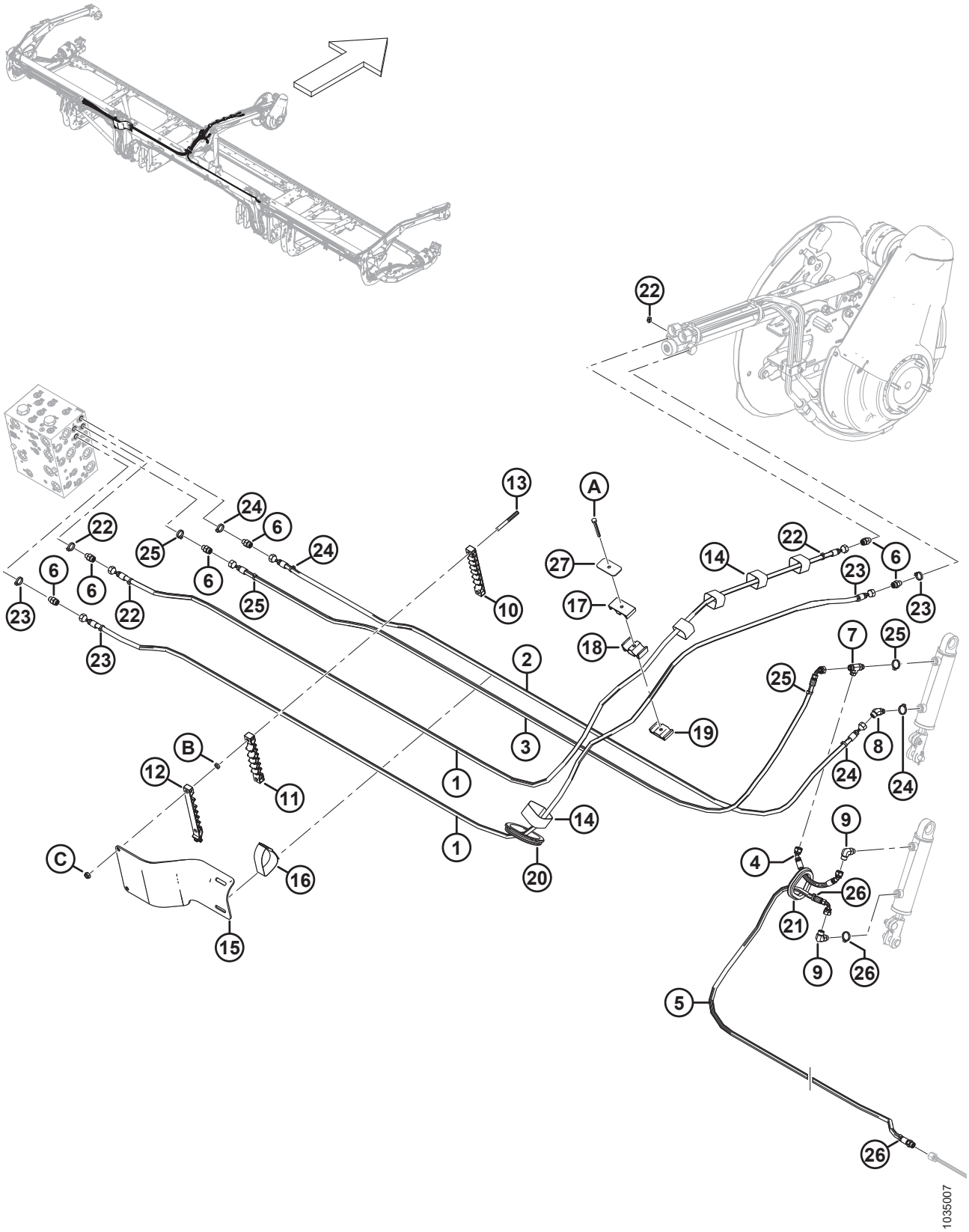
Ref	Part Number	Description	Qty	Serial Number
1	283056	LINE – HYDRAULIC (FD230) [324]	1	
	283144	LINE – HYDRAULIC (FD235) [325]	1	
	283420	LINE – HYDRAULIC (FD240) [326]	1	
	283183	LINE – HYDRAULIC (FD241) [327]	1	
2	283055	LINE – HYDRAULIC (FD230) [324]	1	
	283143	LINE – HYDRAULIC (FD235) [325]	1	
	283419	LINE – HYDRAULIC (FD240) [326]	1	
	283182	LINE – HYDRAULIC (FD241) [327]	1	
3	283053	LINE – HYDRAULIC (FD230) [324]	1	
	283141	LINE – HYDRAULIC (FD235) [325]	1	
	283417	LINE – HYDRAULIC (FD240) [326]	1	
	283180	LINE – HYDRAULIC (FD241) [327]	1	
4	283057	HOSE – HYD (FD230–FD241)	1	
5	283058	HOSE – HYD (FD230–FD241)	1	
6	283059	HOSE – HYD (FD230–FD241)	1	
7	136095	FITTING – ELBOW 90° HYD	2	
8	136145	FITTING – BULKHEAD UNION HYD [328]	2	
9	136150	FITTING – ELBOW 90° BLKHD HYD [328]	1	
10	135778	FITTING – ADAPTER	**3**	
11	283791	CLAMP – ASSY [329]	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY [329]	1	
14	184303	CLAMP – COVER PLATE	1	
15	283797	CLAMP – LINE BOTTOM LH [330]		
16	283807	CLAMP – LINE MIDDLE LH [330]		
17	311233	CLAMP – LINE TOP LH [330]		
18	312654	STUD – THRD CLAMP PATCH WING [331]		
19	30753	FASTENER – CABLE TIE, BLACK	1	
20	**320554**	**FITTING – TEE HYD, GAUGE PORT**	**1**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
21	**134437**	**FITTING – COUPLING HYD, TEST PORT** [332]	**1**	
22	**136900**	**CAP – DUST**	**1**	
A	136540	WASHER – FLAT		

324. Used for FD230 headers.
325. Used for FD235 headers.
326. Used for FD240 headers.
327. Used for FD241 headers.
328. The fitting includes a securing nut (NSS).
329. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
330. Quantities: FD230 = 2, FD235 = 3, FD240 = 4, and FD241 = 4.
331. Quantities: FD230 = 4, FD235 = 6, FD240 = 8, and FD241 = 8.
332. The coupling includes an O-ring.


B
D
7
19
14
11
12
C
13
4
7
5
10
21
6
22
20
15
1
10
18
2
A
A
10
9
16
8
3
17
E
8
F
1044995

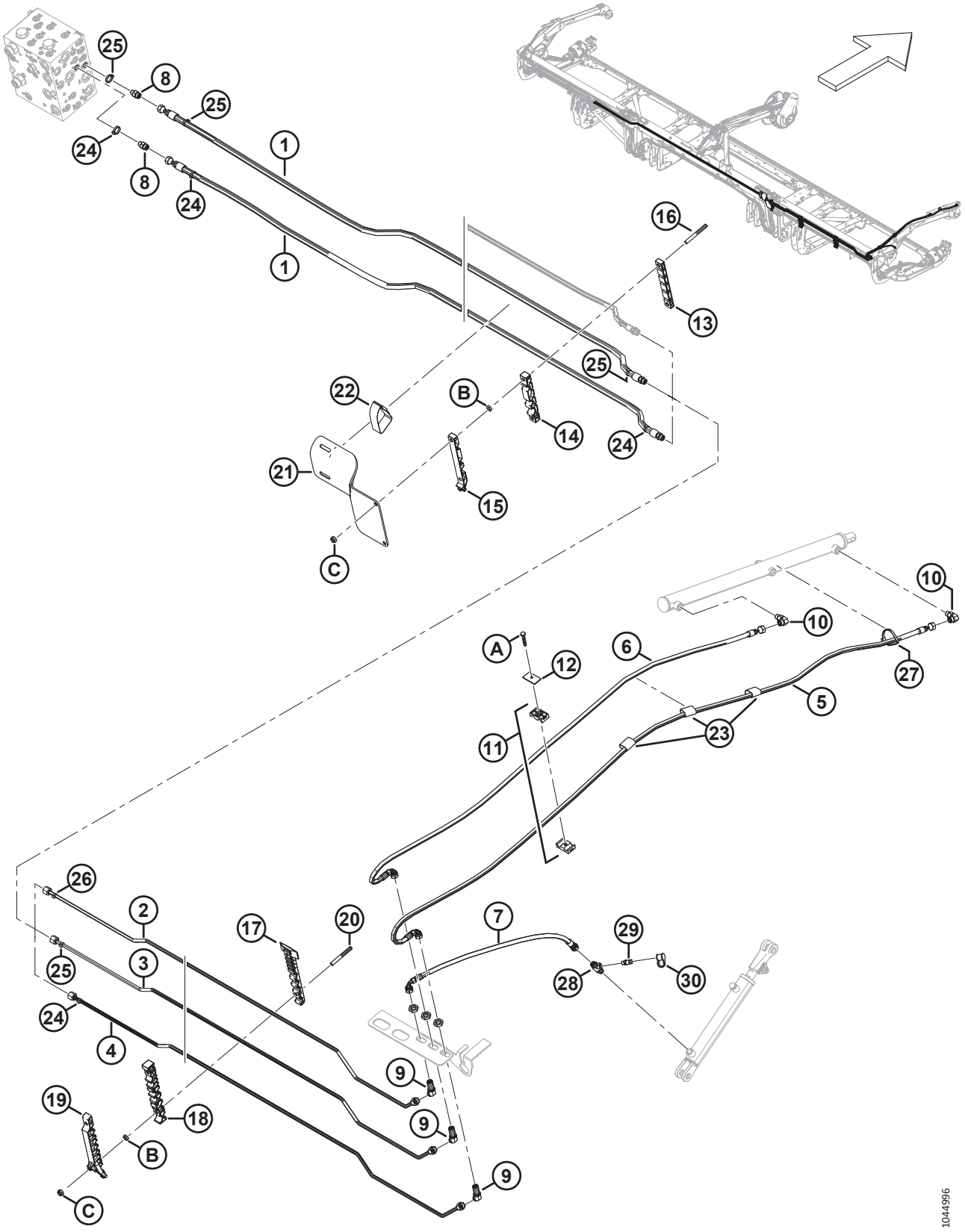
Ref	Part Number	Description	Qty	Serial Number
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

94 Hydraulics – Lift and Fore-Aft, Double Reel, Center Arm (FD230, FD235, FD240, and FD241)



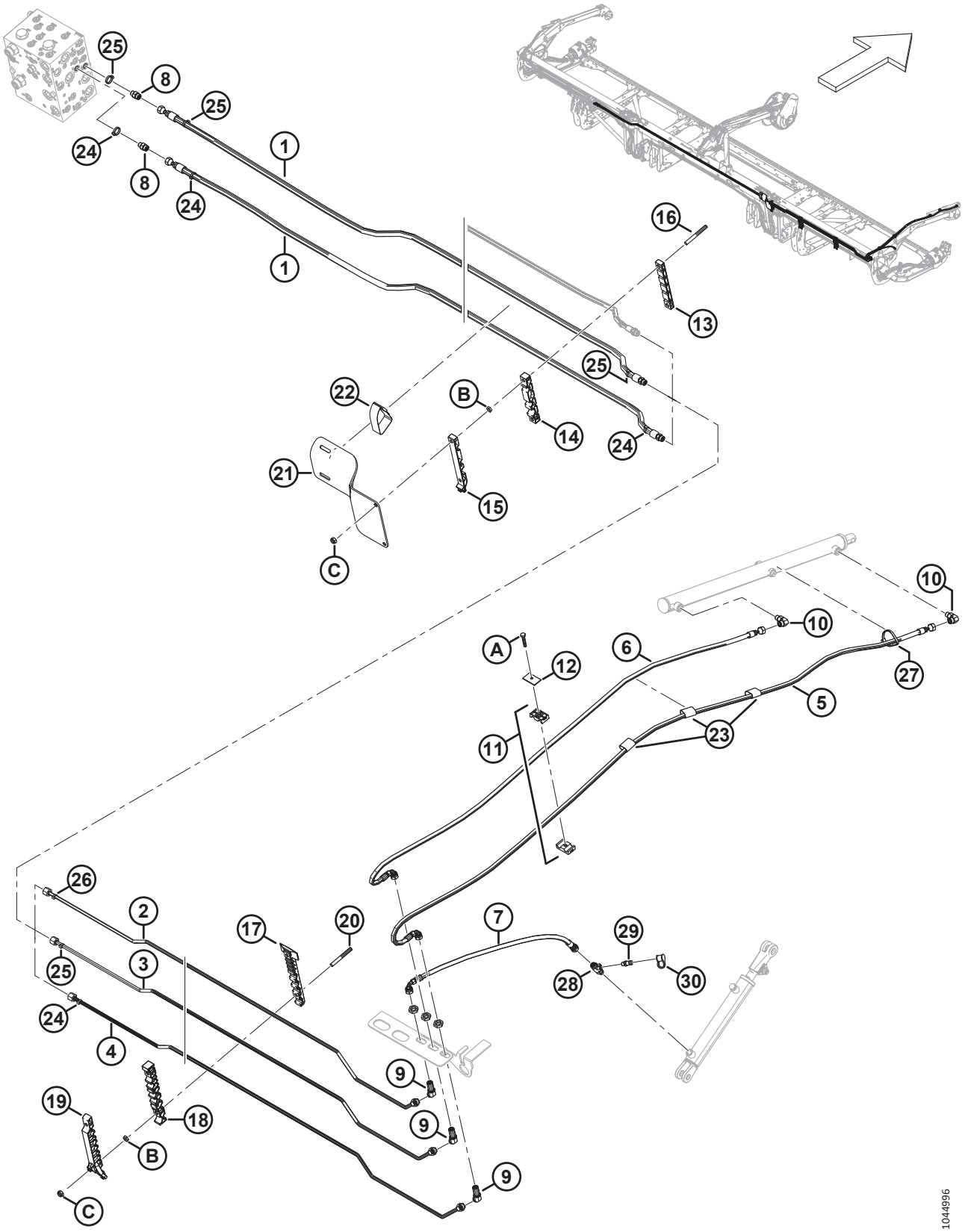
Ref	Part Number	Description	Qty	Serial Number
1	323660	HOSE – HYD, 1/4 IN ID, 4230 MM LG, 100R17	2	
2	323659	HOSE – HYD, 1/4 IN ID, 3060 MM LG, 100R17	1	
3	323661	HOSE – HYD, 1/4 IN ID, 3215 MM LG, 100R17	1	
4	283785	HOSE – HYD, 1/4 IN ID, 240 MM LG, 100R17	1	
5	323663	HOSE – HYD, 1/4 IN ID, 2750 MM LG, 100R17	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	135778	FITTING – ADAPTER	6	
7	136240	FITTING – TEE HYD	1	
8	136144	FITTING – ELBOW 45° HYD	1	
9	136095	FITTING – ELBOW 90° HYD	2	
10	283909	CLAMP – LINE BOTTOM FLEX LH	1	
11	283910	CLAMP – LINE MIDDLE FLEX LH	1	
12	311461	CLAMP – LINE TOP FLEX LH	1	
13	312655	STUD – THRD CLAMP PATCH BLACK	2	
14	135444	CINCH STRAP – 6 IN. LG	5	
15	311354	SHIELD – HOSE TRANSITION LH	1	
16	295929	CINCH STRAP – 12 IN. LG	1	
17	283989	CLAMP – HOSE REEL TOP	1	
18	283988	CLAMP – HOSE REEL MIDDLE	1	
19	283987	CLAMP – HOSE REEL BOTTOM	1	
20	125377	GROMMET – 91 MM I.D.	1	
21	283889	GROMMET – RUBBER	1	
22	40704	FASTENER – CABLE TIE, ORANGE	4	
23	40702	FASTENER – CABLE TIE, RED	4	
24	252795	FASTENER – CABLE TIE, PINK	4	
25	21763	FASTENER – CABLE TIE, BLACK	4	
26	252794	FASTENER – CABLE TIE, PURPLE	3	
27	323023	PLATE – CLAMP CENTER REEL ARM	1	
A	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

95 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (FD230 and FD235)



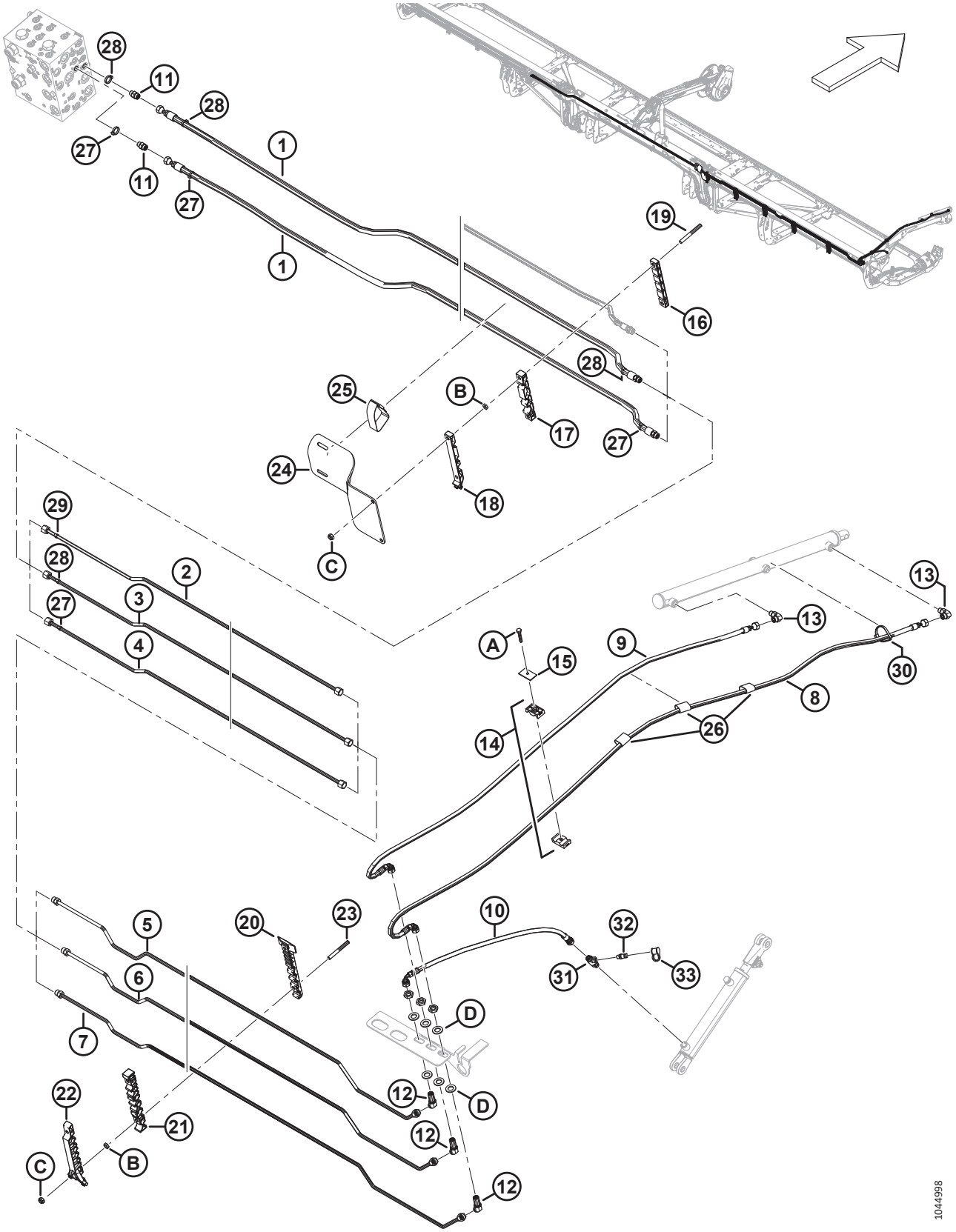
Ref	Part Number	Description	Qty	Serial Number
1	283096	HOSE – HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283078	LINE – HYDRAULIC (FD230) [333]	1	
	283145	LINE – HYDRAULIC (FD235) [334]	1	
3	283079	LINE – HYDRAULIC (FD230) [333]	1	
	283146	LINE – HYDRAULIC (FD235) [334]	1	
4	283080	LINE – HYDRAULIC (FD230) [333]	1	
	283147	LINE – HYDRAULIC (FD235) [334]	1	
5	283074	HOSE – HYD	1	
6	283075	HOSE – HYD	1	
7	283059	HOSE – HYD	1	
8	135778	FITTING – ADAPTER	**2**	
9	136146	FITTING – ELBOW 45° BLKHD HYD [335]	3	
10	136095	FITTING – ELBOW 90° HYD	2	
11	232395	CLAMP – ASSY [336]	2	
12	184303	CLAMP – COVER PLATE	2	
13	283906	CLAMP – LINE TOP FLEX RH	1	
14	283907	CLAMP – LINE MIDDLE FLEX RH	1	
15	311462	CLAMP – LINE TOP FLEX RH	1	
16	312655	STUD – THRD CLAMP PATCH BLACK	2	
17	283820	CLAMP – LINE BOTTOM RH [337]		
18	283818	CLAMP – LINE MIDDLE RH [337]		
19	311451	CLAMP – LINE TOP RH [337]		
20	312654	STUD – THRD CLAMP PATCH WING [338]		
21	311360	SHIELD – HOSE TRANSITION RH	1	
22	170851	CINCH STRAP – 10 IN. LG	1	
23	135443	CINCH STRAP – 4 IN. LG	3	
24	49227	FASTENER – CABLE TIE, GREEN	4	
25	135266	FASTENER – CABLE TIE, LIGHT BLUE	4	
26	252794	FASTENER – CABLE TIE, PURPLE	1	
27	30753	FASTENER – CABLE TIE, BLACK	1	
28	**320554**	**FITTING – TEE HYD, GAUGE PORT**	**1**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
29	**134437**	**FITTING – COUPLING HYD, TEST PORT** [339]	**1**	
30	**136900**	**CAP – DUST**	**1**	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		

333. Used for FD230 headers.
334. Used for FD235 headers.
335. The fitting includes a securing nut (NSS).
336. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
337. Quantities: FD230 = 2, FD235 = 3.
338. Quantities: FD230 = 4, FD235 = 6.
339. The coupling includes an O-ring.


25
8
25
24
8
24
1
1
16
13
25
22
B
14
24
21
15
C
10
10
A
12
6
27
5
11
23
26
2
17
20
7
29
25
3
28
30
24
4
9
19
18
9
B
9
C
1044996

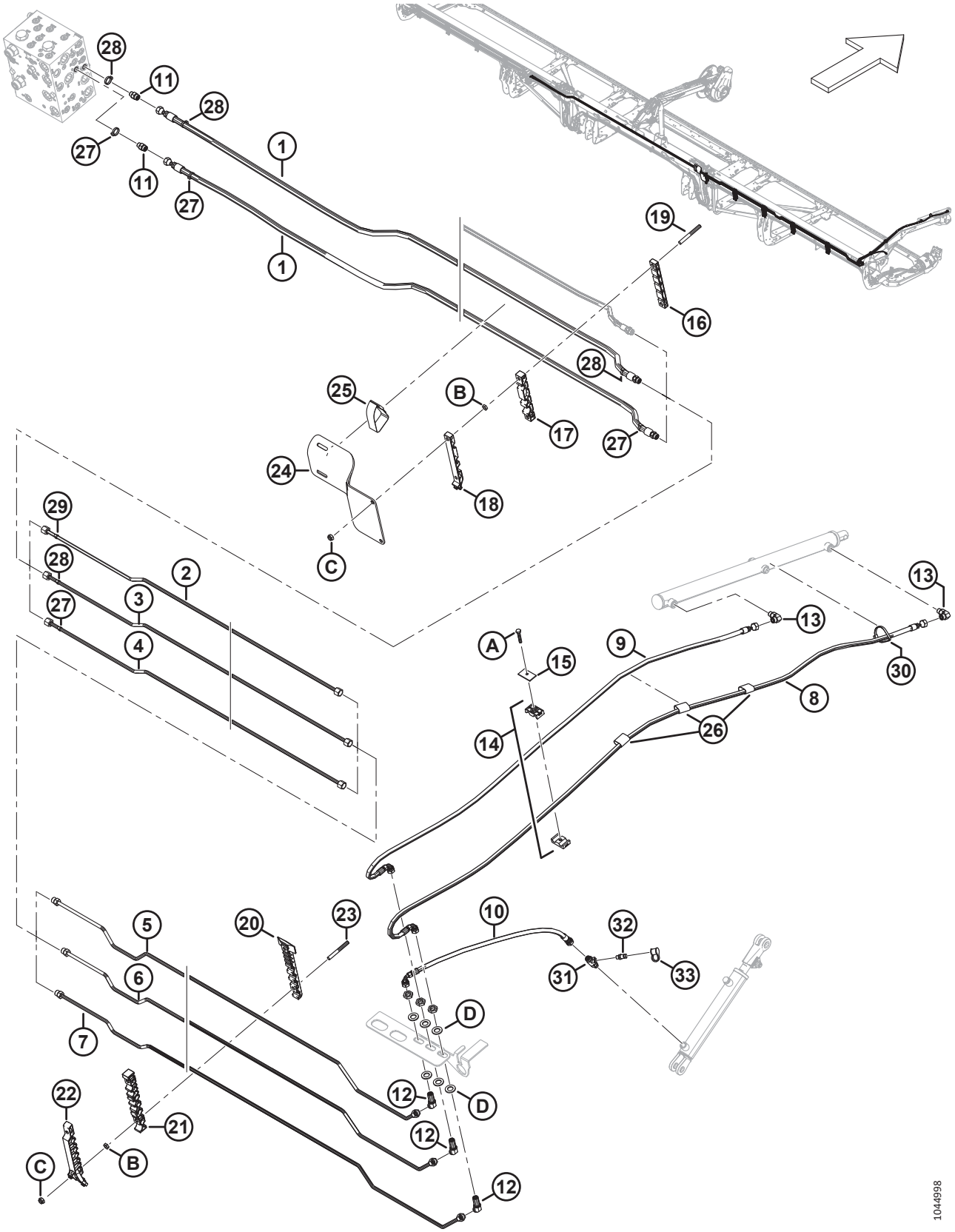
Ref	Part Number	Description	Qty	Serial Number
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

96 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (FD240 and FD241)



Ref	Part Number	Description	Qty	Serial Number
1	283096	HOSE – HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283428	LINE – HYDRAULIC (FD240) [340]	1	
	283184	LINE – HYDRAULIC (FD241) [341]	1	
3	283429	LINE – HYDRAULIC (FD240) [340]	1	
	283185	LINE – HYDRAULIC (FD241) [341]	1	
4	283430	LINE – HYDRAULIC (FD240) [340]	1	
	283186	LINE – HYDRAULIC (FD241) [341]	1	
5	283431	LINE – HYDRAULIC	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283432	LINE – HYDRAULIC	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283433	LINE – HYDRAULIC	1	
	135865	O-RING – Ø1.78 X Ø9.25		
8	283074	HOSE – HYD	1	
9	283075	HOSE – HYD	1	
10	283059	HOSE – HYD	1	
11	135778	FITTING – ADAPTER	2	
12	136146	FITTING – ELBOW 45° BLKHD HYD [342]	3	
13	136095	FITTING – ELBOW 90° HYD	2	
14	232395	CLAMP – ASSY [343]	2	
15	184303	CLAMP – COVER PLATE	2	
16	283906	CLAMP – LINE TOP FLEX RH	1	
17	283907	CLAMP – LINE MIDDLE FLEX RH	1	
18	311462	CLAMP – LINE TOP FLEX RH	1	
19	312655	STUD – THRD CLAMP PATCH BLACK	2	
20	283820	CLAMP – LINE BOTTOM RH [344]		
21	283818	CLAMP – LINE MIDDLE RH [344]		
22	311451	CLAMP – LINE TOP RH [344]		
23	312654	STUD – THRD CLAMP PATCH WING [345]		
24	311360	SHIELD – HOSE TRANSITION RH	1	
25	170851	CINCH STRAP – 10 IN. LG	1	
26	135443	CINCH STRAP – 4 IN. LG	3	
27	49227	FASTENER – CABLE TIE, GREEN	4	
28	135266	FASTENER – CABLE TIE, LIGHT BLUE	4	
29	252794	FASTENER – CABLE TIE, PURPLE	1	
30	30753	FASTENER – CABLE TIE, BLACK	1	

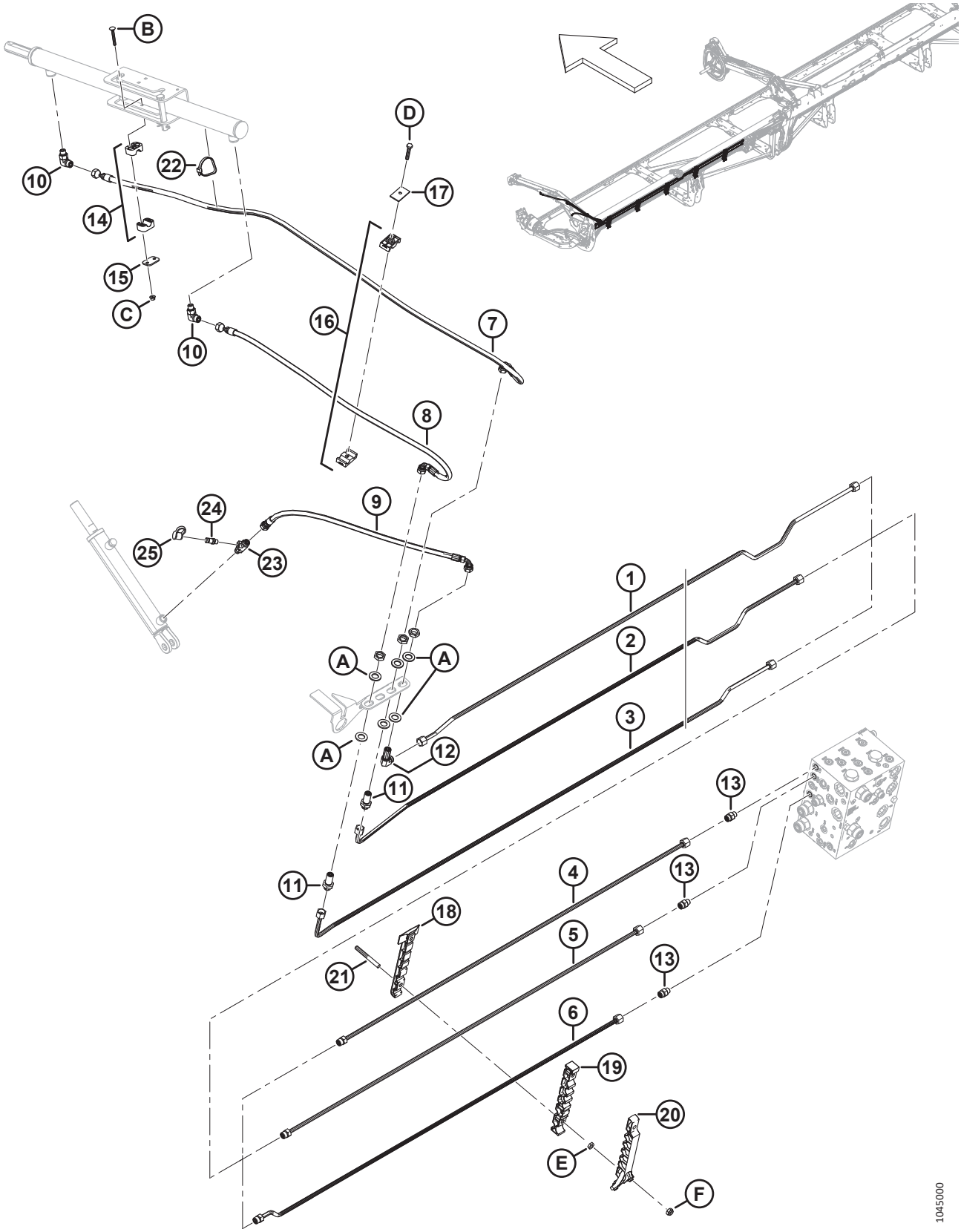
340. Used for FD240 headers.
341. Used for FD241 headers.
342. The fitting includes a securing nut (NSS).
343. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
344. Quantities: FD240 = 4, FD241 = 4.
345. Quantities: FD240 = 8, FD241 = 8.


28
11
28
27
11
27
1
1
19
16
28
25
B
17
27
24
18
C
29
28
27
2
3
4
13
13
A
15
9
30
8
14
26
5
20
23
10
32
31
33
6
7
D
12
D
22
21
12
C
B
12
1044998

Ref	Part Number	Description	Qty	Serial Number
31	**320554**	**FITTING – TEE HYD, GAUGE PORT**	**1**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
32	**134437**	**FITTING – COUPLING HYD, TEST PORT** [346]	**1**	
33	**136900**	**CAP – DUST**	**1**	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	136540	WASHER – FLAT		

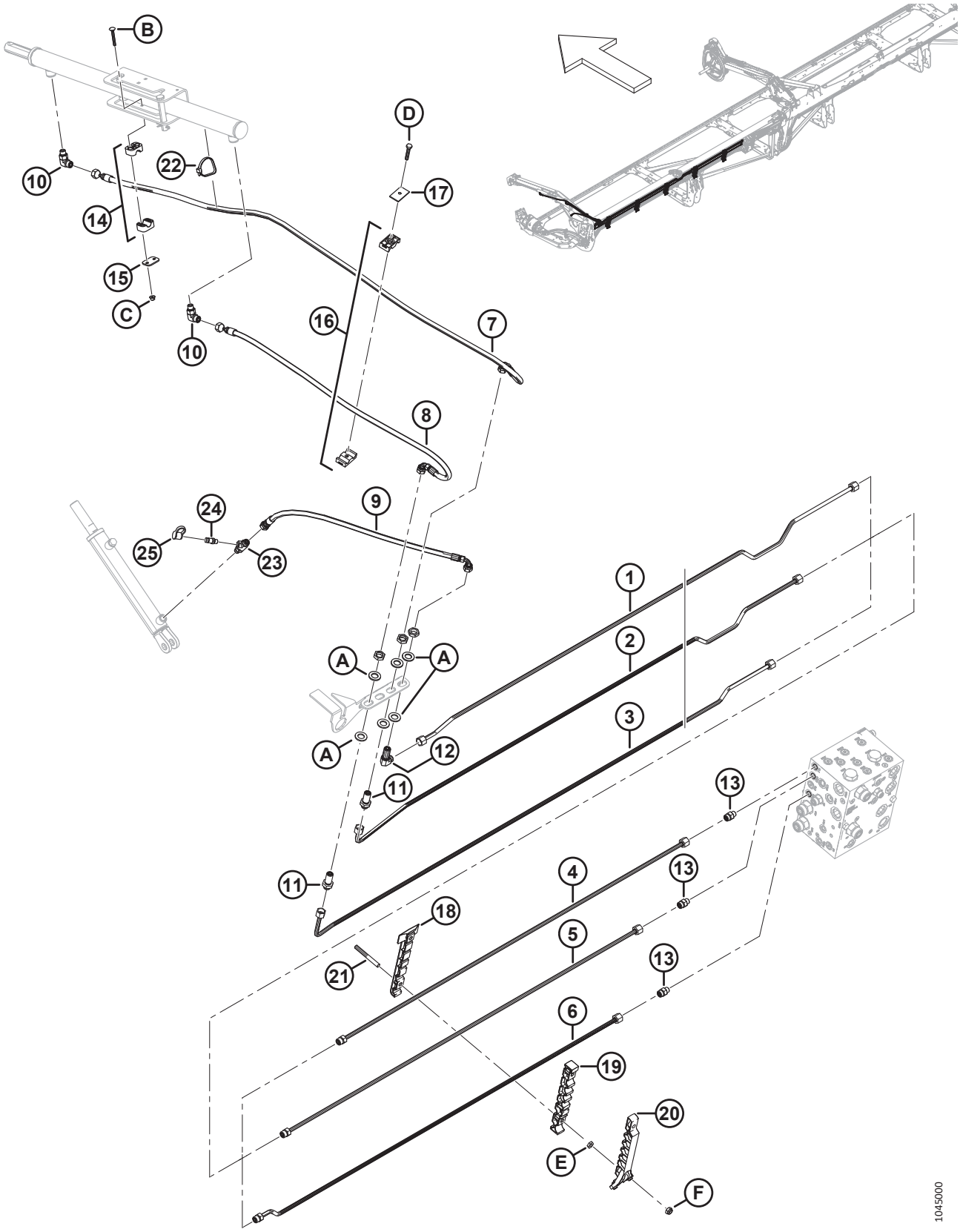
346. The coupling includes an O-ring.

97 Hydraulics – Lift and Fore-Aft, Triple Reel, Left Arm (FD240, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	283420	LINE – HYDRAULIC (FD240 AND FD245) [347]	1	
	283824	LINE – HYDRAULIC (FD250) [348]	1	
	366088	**LINE – HYDRAULIC (FD261)** [349]	**1**	
2	283419	LINE – HYDRAULIC (FD240 AND FD245) [347]	1	
	283823	LINE – HYDRAULIC (FD250) [348]	1	
	366087	**LINE – HYDRAULIC (FD261)** [349]	**1**	
3	283417	LINE – HYDRAULIC (FD240 AND FD245) [347]	1	
	283822	LINE – HYDRAULIC (FD250) [348]	1	
	366086	**LINE – HYDRAULIC (FD261)** [349]	**1**	
4	283450	LINE – HYDRAULIC (FD250) [348]	1	
	366085	**LINE – HYDRAULIC (FD261)** [349]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283449	LINE – HYDRAULIC (FD250) [348]	1	
	366084	**LINE – HYDRAULIC (FD261)** [349]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283447	LINE – HYDRAULIC (FD250) [348]	1	
	366083	**LINE – HYDRAULIC (FD261)** [349]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283057	HOSE – HYD	1	
8	283058	HOSE – HYD	1	
9	283059	HOSE – HYD	1	
10	136095	FITTING – ELBOW 90° HYD	2	
11	136145	FITTING – BULKHEAD UNION HYD [350]	2	
12	136150	FITTING – ELBOW 90° BLKHD HYD [350]	1	
13	135778	FITTING – ADAPTER	**3**	
14	283791	CLAMP – ASSY [351]	1	
15	255461	PLATE – COVER	1	
16	232395	CLAMP – ASSY [351]	1	
17	184303	CLAMP – COVER PLATE	1	
18	283797	CLAMP – LINE BOTTOM LH [352]		
19	283807	CLAMP – LINE MIDDLE LH [352]		
20	311233	CLAMP – LINE TOP LH [352]		
21	312654	STUD – THRD CLAMP PATCH WING [353]		
22	30753	FASTENER – CABLE TIE, BLACK	1	

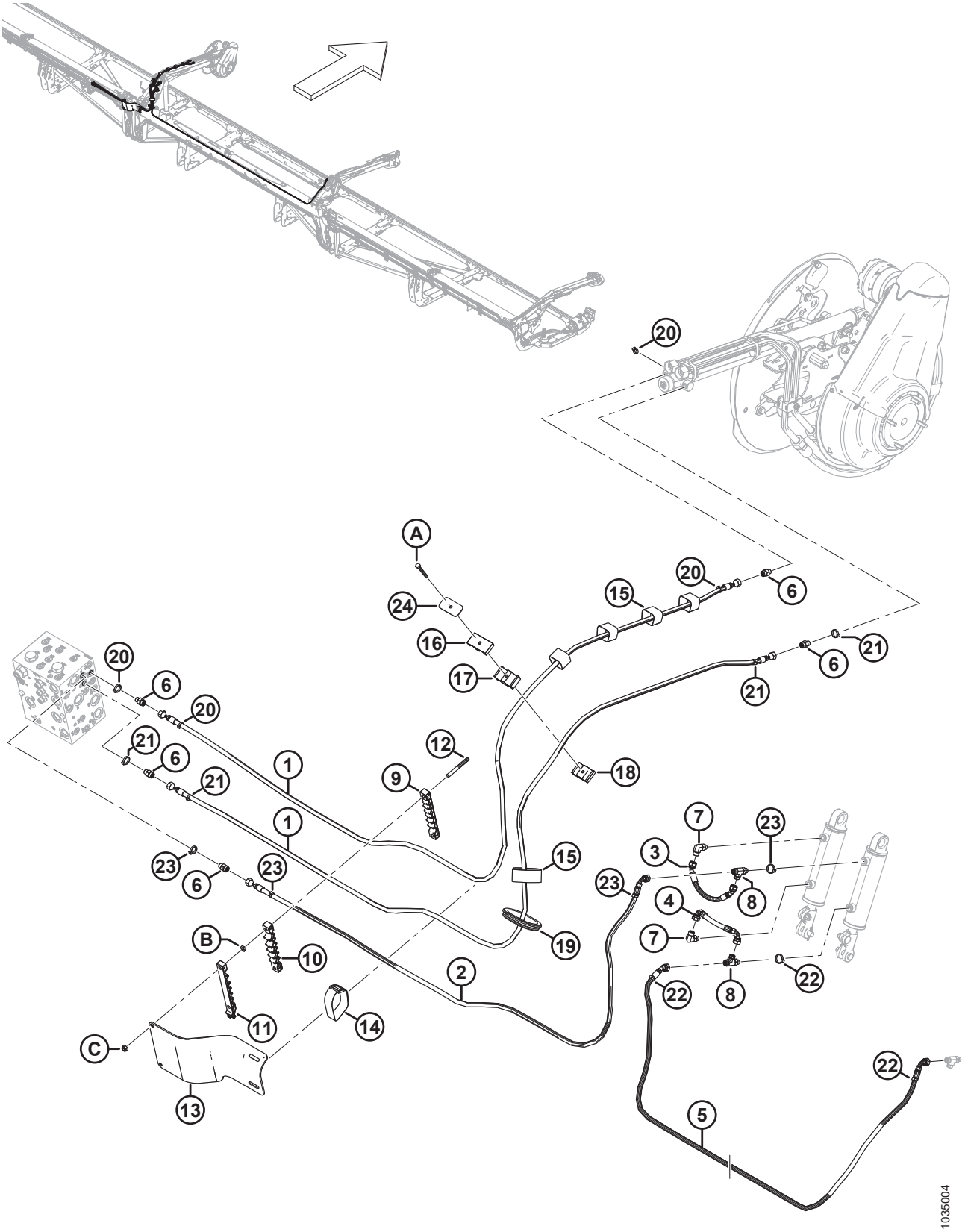
347. Used for FD240 and FD245 headers.
348. Used for FD250 headers.
349. Used for FD261 headers.
350. The fitting includes a securing nut (NSS).
351. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
352. Quantities: FD240 and FD250 = 5, FD261 = 7.
353. Quantities: FD240 and FD250 = 10, FD261 = 14.


B
D
22
10
17
14
15
C
16
7
10
8
24
9
25
23
1
2
A
A
3
A
12
11
13
11
4
13
18
5
21
13
6
19
20
E
F
1045000

Ref	Part Number	Description	Qty	Serial Number
23	**320554**	**FITTING – TEE HYD, GAUGE PORT**	**1**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
24	**134437**	**FITTING – COUPLING HYD, TEST PORT** [354]	**1**	
25	**136900**	**CAP – DUST**	**1**	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

354. The coupling includes an O-ring.

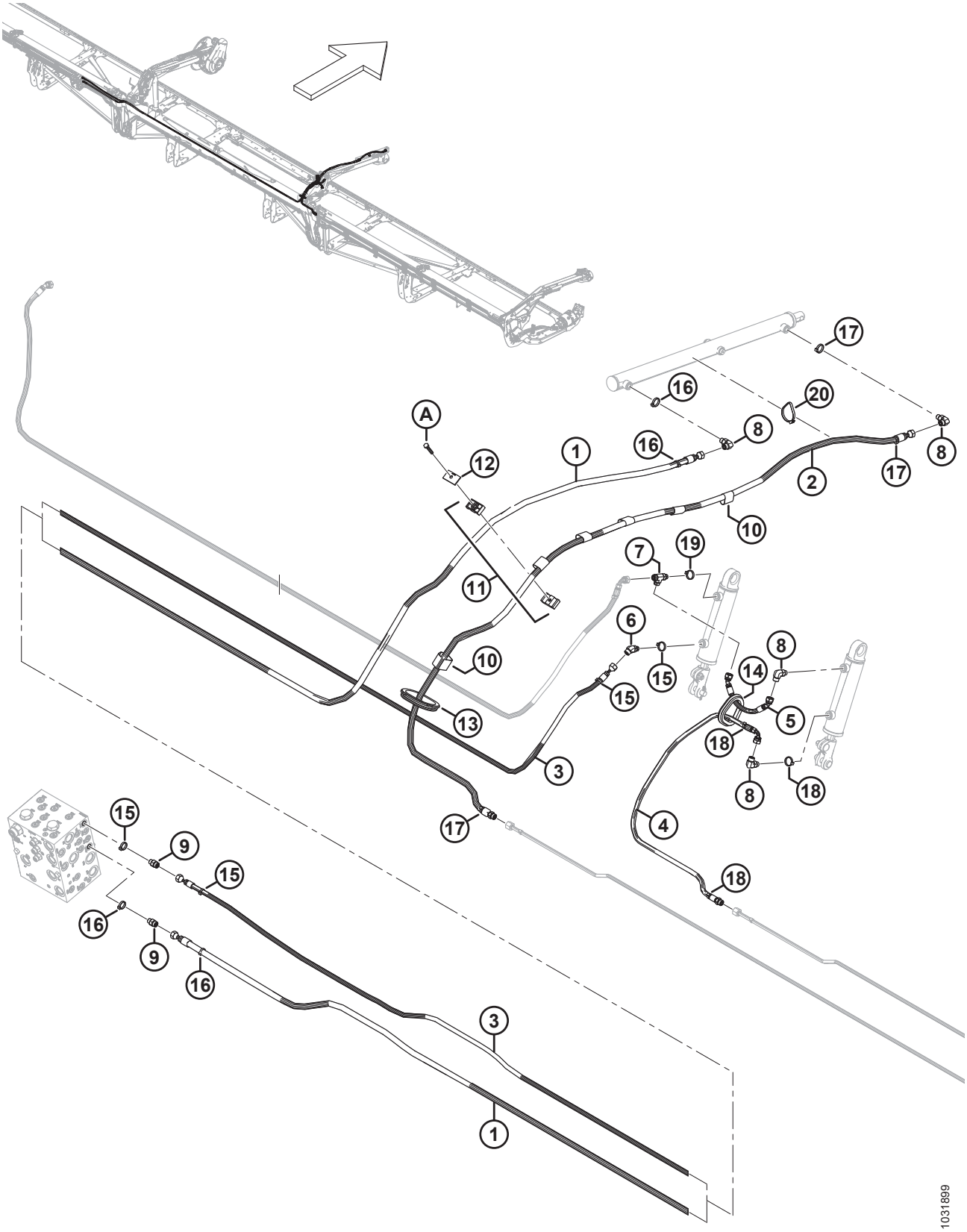
98 Hydraulics – Lift and Fore-Aft, Triple Reel, Center Arm, Left Side (FD240, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	323665	HOSE – HYD	2	
2	323666	HOSE – HYD	1	
3	283785	HOSE – HYD	1	
4	283786	HOSE – HYD	1	
5	323670	HOSE – HYD (FD240) [355]	1	
	323673	HOSE – HYD (FD245 AND FD250) [356]	1	
	323673	**HOSE – HYD (FD261)** [357]	**1**	
6	135778	FITTING – ADAPTER	5	
7	136095	FITTING – ELBOW 90° HYD	2	
8	136240	FITTING – TEE HYD	2	
9	283909	CLAMP – LINE BOTTOM FLEX LH	1	
10	283910	CLAMP – LINE MIDDLE FLEX LH	1	
11	311461	CLAMP – LINE TOP FLEX LH	1	
12	312655	STUD – THRD CLAMP PATCH BLACK	2	
13	311354	SHIELD – HOSE TRANSITION LH	1	
14	295929	CINCH STRAP – 12 IN. LG	1	
15	135444	CINCH STRAP – 6 IN. LG	5	
16	283989	CLAMP – HOSE REEL TOP	1	
17	283988	CLAMP – HOSE REEL MIDDLE	1	
18	283987	CLAMP – HOSE REEL BOTTOM	1	
19	125377	GROMMET – 91 MM I.D.	1	
20	40704	FASTENER – CABLE TIE, ORANGE	4	
21	40702	FASTENER – CABLE TIE, RED	4	
22	40703	FASTENER – CABLE TIE, BLUE	3	
23	21763	FASTENER – CABLE TIE, BLACK	4	
24	323023	PLATE – CLAMP CENTER REEL ARM	1	
A	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

355. Used for FD240 headers only.
356. Used for FD245 and FD250 headers only.
357. Used for FD261 headers only.

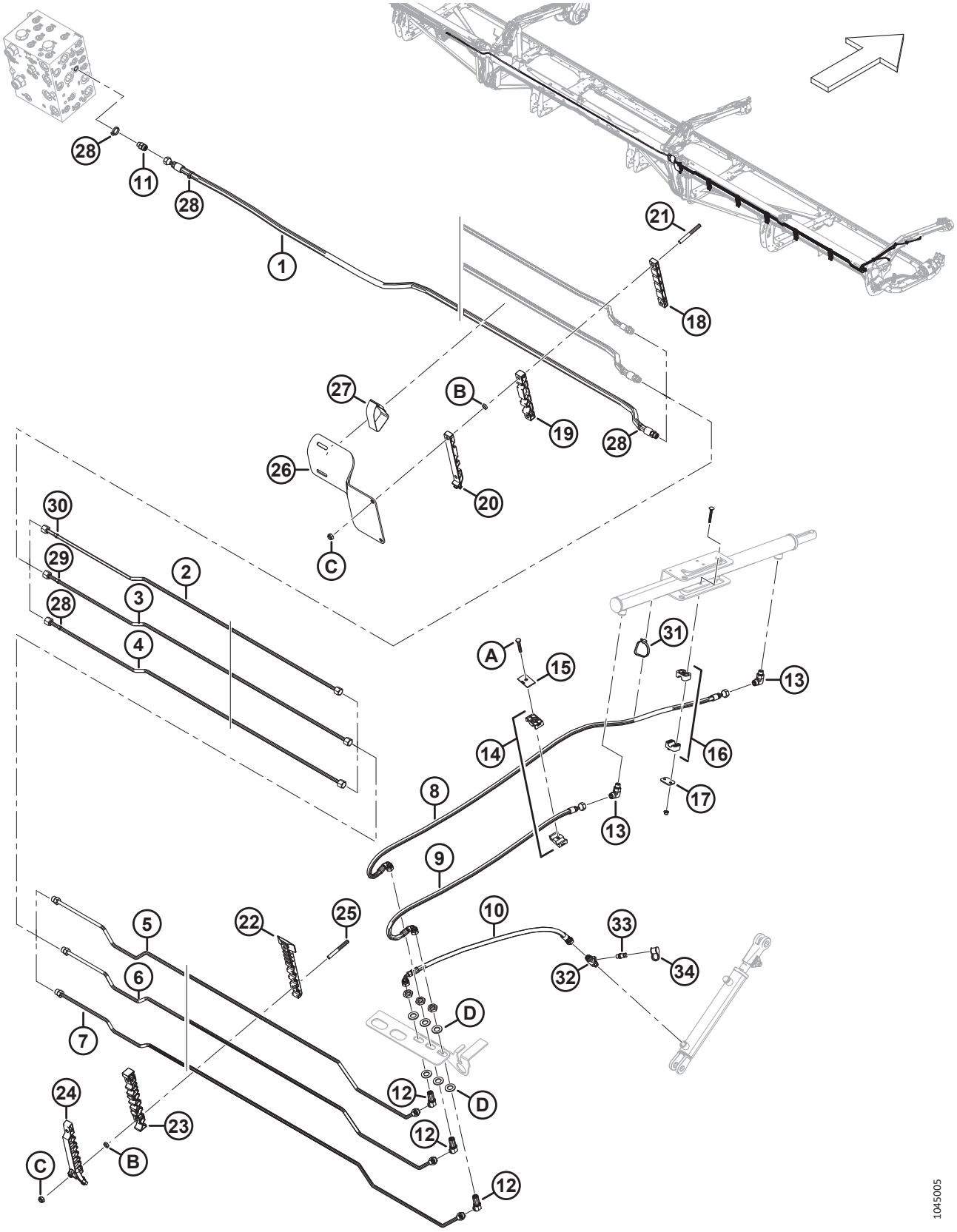
99 Hydraulics – Lift and Fore-Aft, Triple Reel, Center Arm, Right Side (FD240, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	323671	HOSE – HYD (FD240) [358]	1	
	323674	HOSE – HYD (FD245 AND FD250) [359]	1	
	323674	**HOSE – HYD (FD261)** [360]	**1**	
2	323669	HOSE – HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	323664	HOSE – HYD (FD240) [358]	1	
	323672	HOSE – HYD (FD245 AND FD250) [359]	1	
	363672	**HOSE – HYD (FD261)** [360]	**1**	
4	323668	HOSE – HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283785	HOSE – HYD	1	
6	136144	FITTING – ELBOW 45° HYD	1	
7	136240	FITTING – TEE HYD	1	
8	136095	FITTING – ELBOW 90° HYD	4	
9	135778	FITTING – ADAPTER	2	
10	135443	CINCH STRAP – 4 IN. LG	6	
11	232395	CLAMP – ASSY [361]	1	
12	184303	PLATE – COVER	1	
13	125377	GROMMET – 91 MM I.D.	1	
14	283889	GROMMET – RUBBER	1	
15	252795	FASTENER – CABLE TIE, PINK	4	
16	135226	FASTENER – CABLE TIE, LIGHT BLUE	4	
17	40701	FASTENER – CABLE TIE, YELLOW	3	
18	252794	FASTENER – CABLE TIE, PURPLE	3	
19	40703	FASTENER – CABLE TIE, BLUE	1	
20	30753	FASTENER – CABLE TIE, BLACK	1	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		

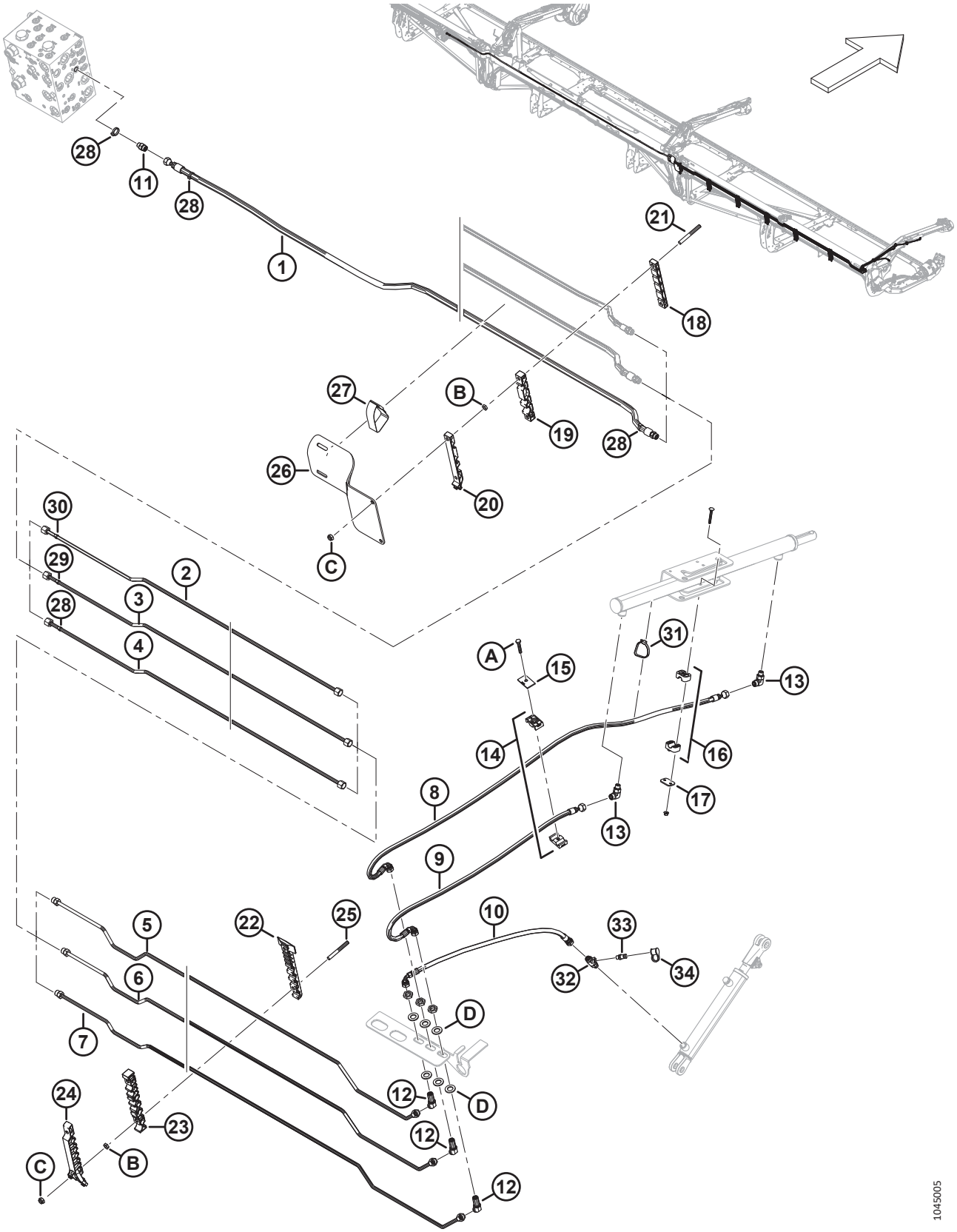
358. Used for FD240 headers.
359. Used for FD245 and FD250 headers.
360. Used for FD261 headers.
361. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

100 Hydraulics – Lift and Fore-Aft, Triple Reel, Right Arm (FD240, FD245, FD250, and FD261)



Ref	Part Number	Description	Qty	Serial Number
1	283096	HOSE – HYD (FD240) [362]	1	
	283507	HOSE – HYD (FD245 AND FD250) [363]	1	
	283507	**HOSE – HYD (FD261)** [364]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283428	LINE – HYDRAULIC (FD245 AND FD250) [363]	1	
	283451	LINE – HYDRAULIC (FD250) [365]	1	
	366089	**LINE – HYDRAULIC (FD261)** [364]	**1**	
3	283429	LINE – HYDRAULIC (FD245 AND FD250) [363]	1	
	283452	LINE – HYDRAULIC (FD250) [365]	1	
	366090	**LINE – HYDRAULIC (FD261)** [364]	**1**	
4	283430	LINE – HYDRAULIC (FD245 AND FD250) [363]	1	
	283453	LINE – HYDRAULIC (FD250) [365]	1	
	366091	**LINE – HYDRAULIC (FD261)** [364]	**1**	
5	283431	LINE – HYDRAULIC (FD240, FD245, AND FD250) [366]	1	
	366092	**LINE – HYDRAULIC (FD261)** [364]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283432	LINE – HYDRAULIC (FD240, FD245, AND FD250) [366]	1	
	366093	**LINE – HYDRAULIC (FD261)** [364]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283433	LINE – HYDRAULIC (FD240, FD245, AND FD250) [366]	1	
	366094	**LINE – HYDRAULIC (FD261)** [364]	**1**	
	135865	O-RING – Ø1.78 X Ø9.25		
8	283057	HOSE – HYD	1	
9	283058	HOSE – HYD	1	
10	283059	HOSE – HYD	1	
11	135778	FITTING – ADAPTER	**1**	
12	136146	FITTING – ELBOW 45° BLKHD HYD [367]	3	
13	136095	FITTING – ELBOW 90° HYD	2	
14	232395	CLAMP – ASSY [368]	2	
15	184303	CLAMP – COVER PLATE	2	
16	283791	CLAMP – ASSY [368]	1	
17	255461	PLATE – COVER	1	
18	283906	CLAMP – LINE TOP FLEX RH	1	
19	283907	CLAMP – LINE MIDDLE FLEX RH	1	
20	311462	CLAMP – LINE TOP FLEX RH	1	
21	312655	STUD – THRD CLAMP PATCH BLACK	2	

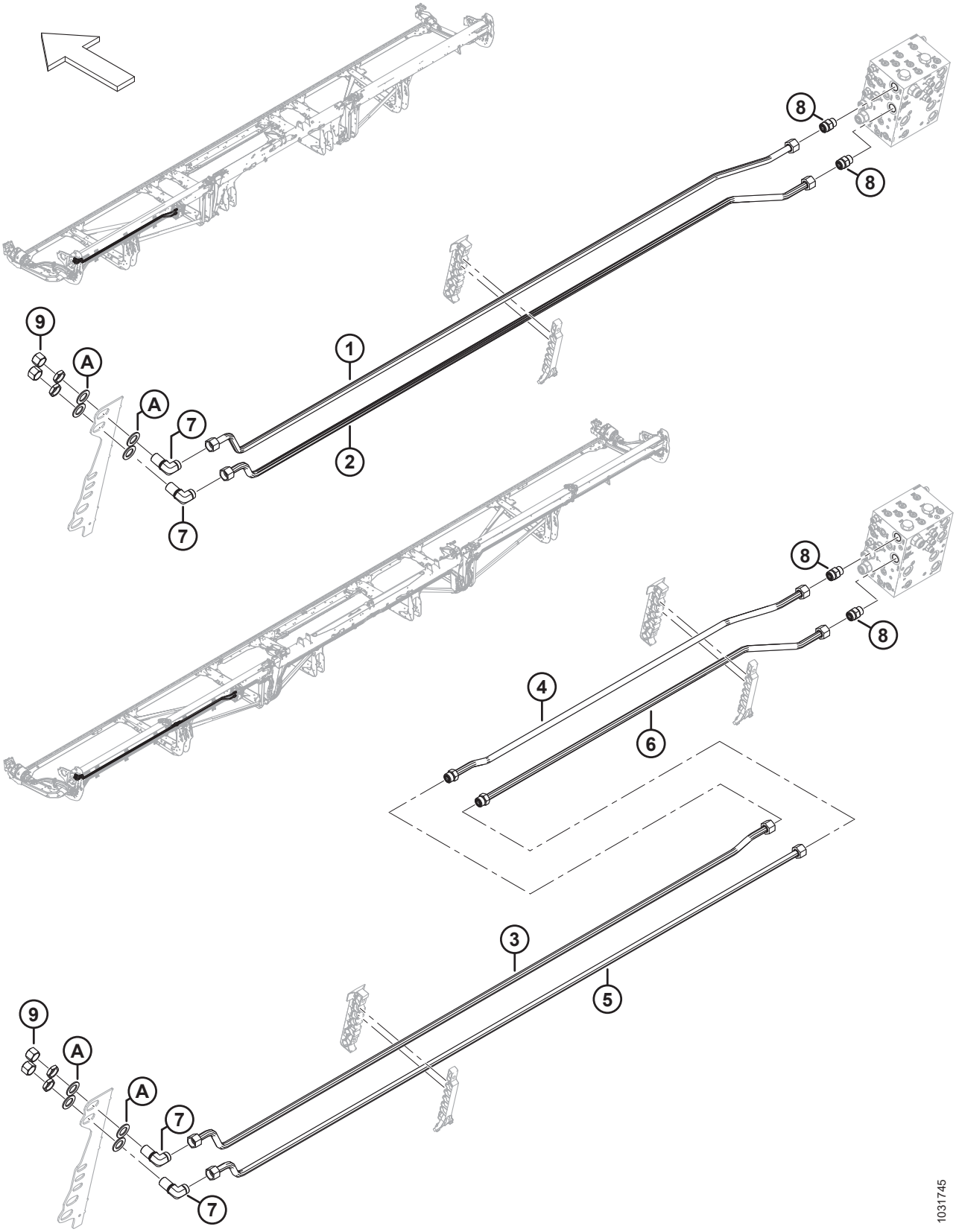
362. Used for FD240 headers.
363. Used for FD245 and FD250 headers.
364. Used for FD261 headers.
365. Used for FD250 headers.
366. Used for FD240, FD245, and FD250 headers.
367. The fitting includes a securing nut (NSS).
368. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.


28
11
28
1
21
18
27
B
19
28
26
20
C
30
29
28
2
3
4
A
15
31
13
14
16
17
8
13
9
10
33
32
34
22
25
5
6
7
D
12
D
12
12
24
23
C
B
1045005

Ref	Part Number	Description	Qty	Serial Number
22	283820	CLAMP – LINE BOTTOM RH [369]		
23	283818	CLAMP – LINE MIDDLE RH [369]		
24	311451	CLAMP – LINE TOP RH [369]		
25	312654	STUD – THRD CLAMP PATCH WING [370]	10	
26	311360	SHIELD – HOSE TRANSITION RH	1	
27	170851	CINCH STRAP – 10 IN. LG	1	
28	49227	FASTENER – CABLE TIE, GREEN	4	
29	40701	FASTENER – CABLE TIE, YELLOW	1	
30	252794	FASTENER – CABLE TIE, PURPLE	1	
31	30753	FASTENER – CABLE TIE, BLACK	1	
32	**320554**	**FITTING – TEE HYD, GAUGE PORT**	**1**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
33	**134437**	**FITTING – COUPLING HYD, TEST PORT** [371]	**1**	
34	**136900**	**CAP – DUST**	**1**	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	136540	WASHER – FLAT		

369. Quantities: FD240 and FD250 = 5, FD261 = 7.
370. Quantities: FD240 and FD250 = 10, FD261 = 14.
371. The coupling includes an O-ring.

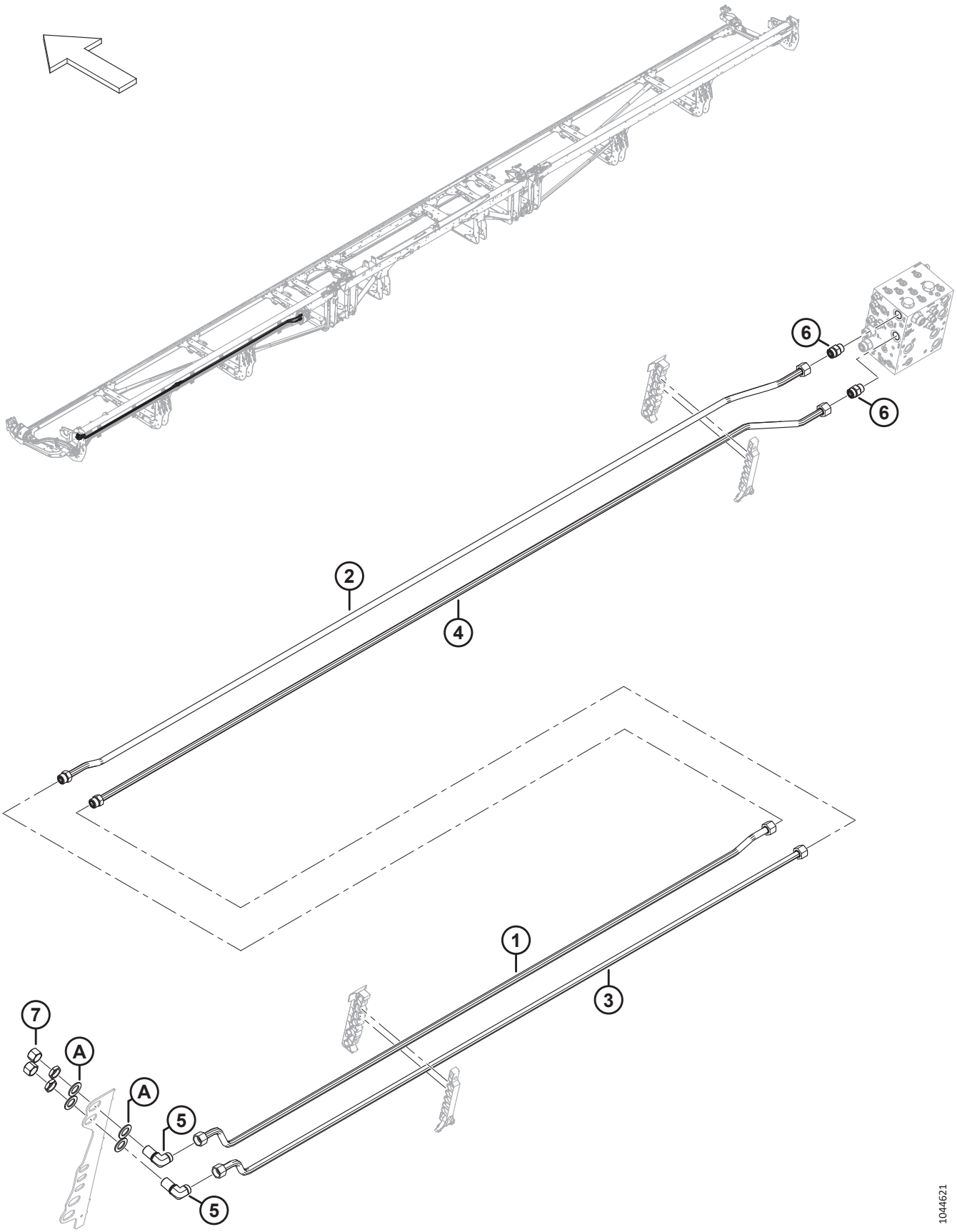
101 Hydraulics – Upper Cross Auger (FD225, FD230, FD235, FD240, FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
	B7338	KIT – 25 FT. UPPER CROSS AUGER HYDRAULICS [372]		
	B7117	KIT – 30 FT. UPPER CROSS AUGER HYDRAULICS [372]		
	B7118	KIT – 35 FT. UPPER CROSS AUGER HYDRAULICS [372]		
	B7119	KIT – 40 FT. AND 45 FT. UPPER CROSS AUGER HYDRAULICS [372]		
	B7120	KIT – 41 FT. UPPER CROSS AUGER HYDRAULICS [372]		
	B7121	KIT – 50 FT. UPPER CROSS AUGER HYDRAULICS [372]		
1	323355	LINE – HYDRAULIC (FD225) [373]	1	
	283052	LINE – HYDRAULIC (FD230) [374]	1	
	283164	LINE – HYDRAULIC (FD235) [375]	1	
	283471	LINE – HYDRAULIC (FD240 AND FD245) [376]	1	
	283462	LINE – HYDRAULIC (FD241) [377]	1	
2	323355	LINE – HYDRAULIC (FD225) [373]	1	
	283051	LINE – HYDRAULIC (FD230) [374]	1	
	283205	LINE – HYDRAULIC (FD235) [375]	1	
	283470	LINE – HYDRAULIC (FD240 AND FD245) [376]	1	
	283461	LINE – HYDRAULIC (FD241) [377]	1	
3	283469	LINE – HYDRAULIC (FD250) [378]	1	
4	283200	LINE – HYDRAULIC (FD250) [378]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283468	LINE – HYDRAULIC (FD250) [378]	1	
6	283199	LINE – HYDRAULIC (FD250) [378]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	136245	FITTING – ELBOW 90° BULKHEAD HYD [379]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
8	135788	FITTING – ADAPTER (UCAP, UCAR) [380]	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
9	135889	CAP – HYD SAE - 12 ORFS	2	
A	136355	WASHER – FLAT 2.0 IN OD ZP	4	

372. Kits are available through Whole Goods only.
373. Used for FD225 headers.
374. Used for FD230 headers.
375. Used for FD235 headers.
376. Used for FD240 and FD245 headers.
377. Used for FD241 headers.
378. Used for FD250 headers.
379. The fitting includes a securing nut.
380. Connects to ports UCAP and UCAR.

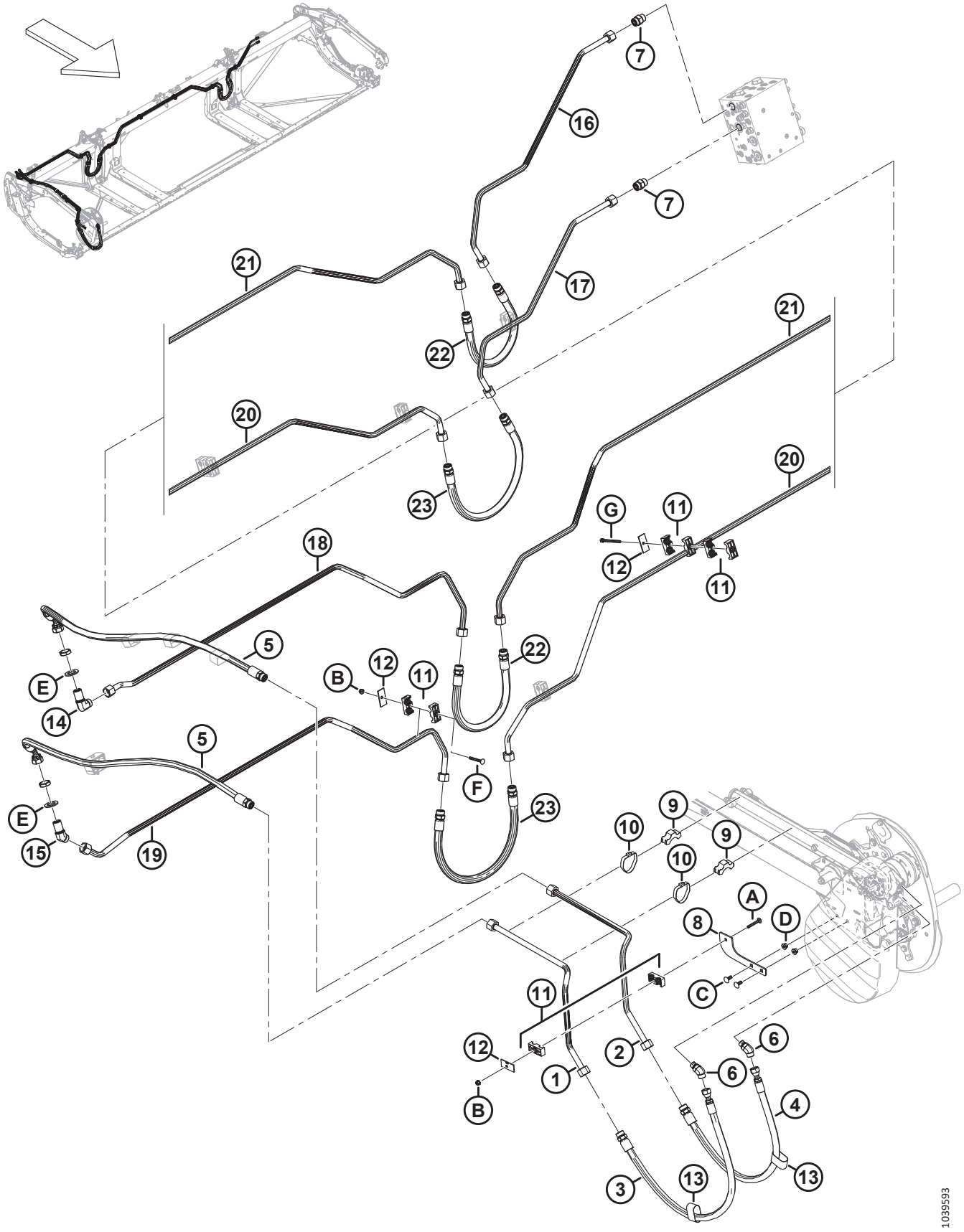
102 Hydraulics – Upper Cross Auger (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	366098	LINE – HYDRAULIC (FD261)	1	
2	366096	LINE – HYDRAULIC (FD261)	1	
3	366097	LINE – HYDRAULIC (FD261)	1	
4	366095	LINE – HYDRAULIC (FD261)	1	
5	136245	FITTING – ELBOW 90° BULKHEAD HYD [381]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	135788	FITTING – ADAPTER (UCAP, UCAR) [382]	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
7	135889	CAP – HYD SAE - 12 ORFS	2	
A	136355	WASHER – FLAT 2.0 IN OD ZP		

381. The fitting includes a securing nut.
382. Connects to ports UCAP and UCAR.

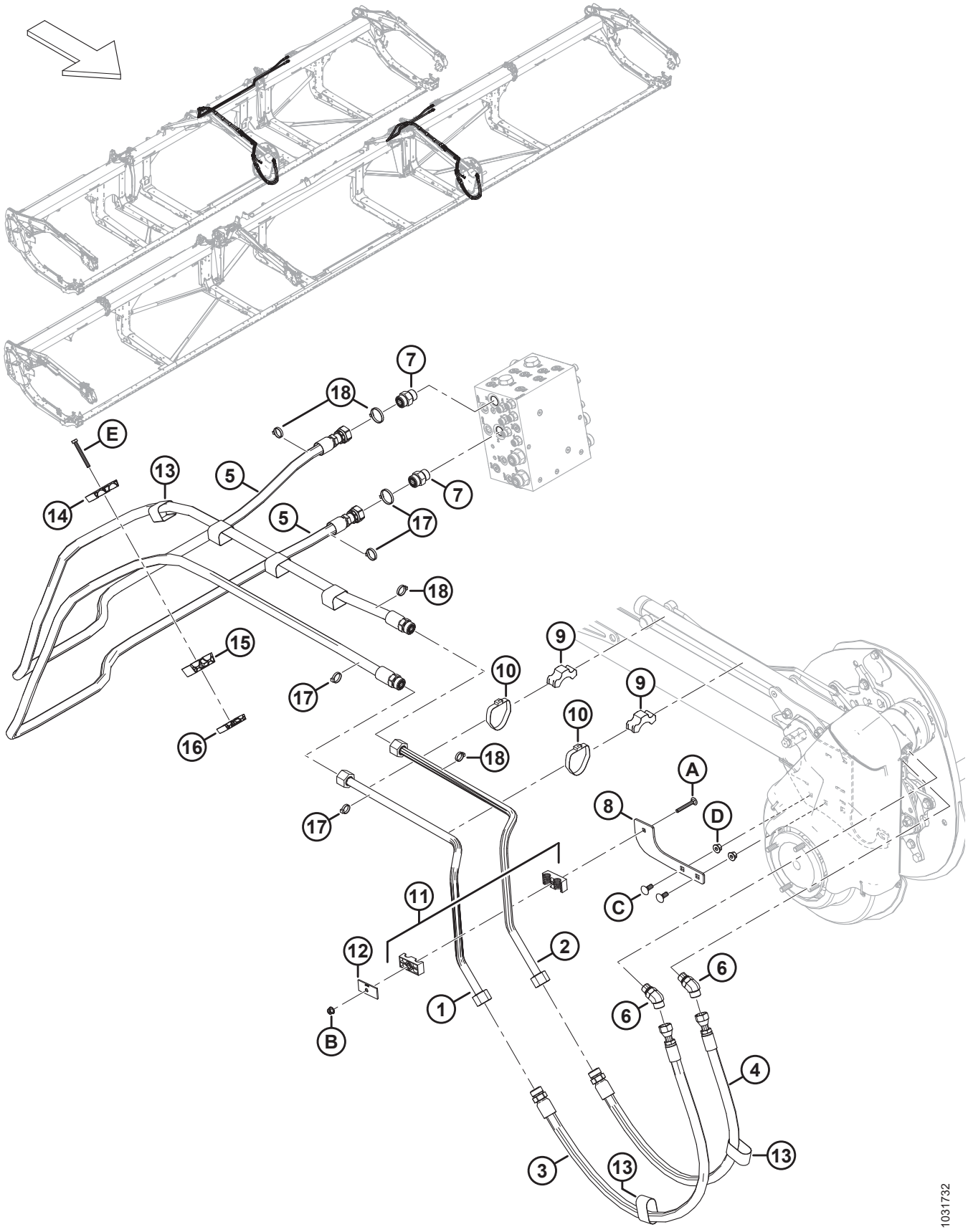
103 Hydraulics – Reel Drive, Single Reel



Ref	Part Number	Description	Qty	Serial Number
1	323428	LINE – HYDRAULIC	1	
2	323429	LINE – HYDRAULIC	1	
3	283092	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
4	283091	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	323519	HOSE – HYD (FD225)	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	136327	FITTING – ELBOW 45° HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
7	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
8	273285	SUPPORT – BRACKET	1	
9	232405	CLAMP – LINE	2	
10	112823	CLAMP – HOSE	2	
11	232397	CLAMP – ASSY [383]	9	
12	232233	CLAMP – COVER PLATE	7	
13	135443	CINCH STRAP 4 IN. LG	2	
14	136245	FITTING – ELBOW 90° BULKHEAD HYD [384]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
15	136527	FITTING – ELBOW 45° BULKHEAD [384]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
16	323346	LINE – HYDRAULIC	1	
17	323347	LINE – HYDRAULIC	1	
18	**368782**	**LINE – HYDRAULIC**	**1**	
19	323349	LINE – HYDRAULIC	1	
20	283035	LINE – HYDRAULIC	1	
21	283036	LINE – HYDRAULIC	1	
22	283070	HOSE – HYD	2	
23	283378	HOSE – HYD	2	
A	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	136355	WASHER – FLAT 2.0 IN. OD ZP		
F	136779	BOLT – RHSN M8 X 1.25 X 70-8.8-AA1J		
G	252002	BOLT – HEX HD M8 X 1.25 X 100-8.8-AA1J [385]		

383. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
384. The fitting includes a securing nut (NSS).
385. This bolt attaches to the header frame and does not require a nut.

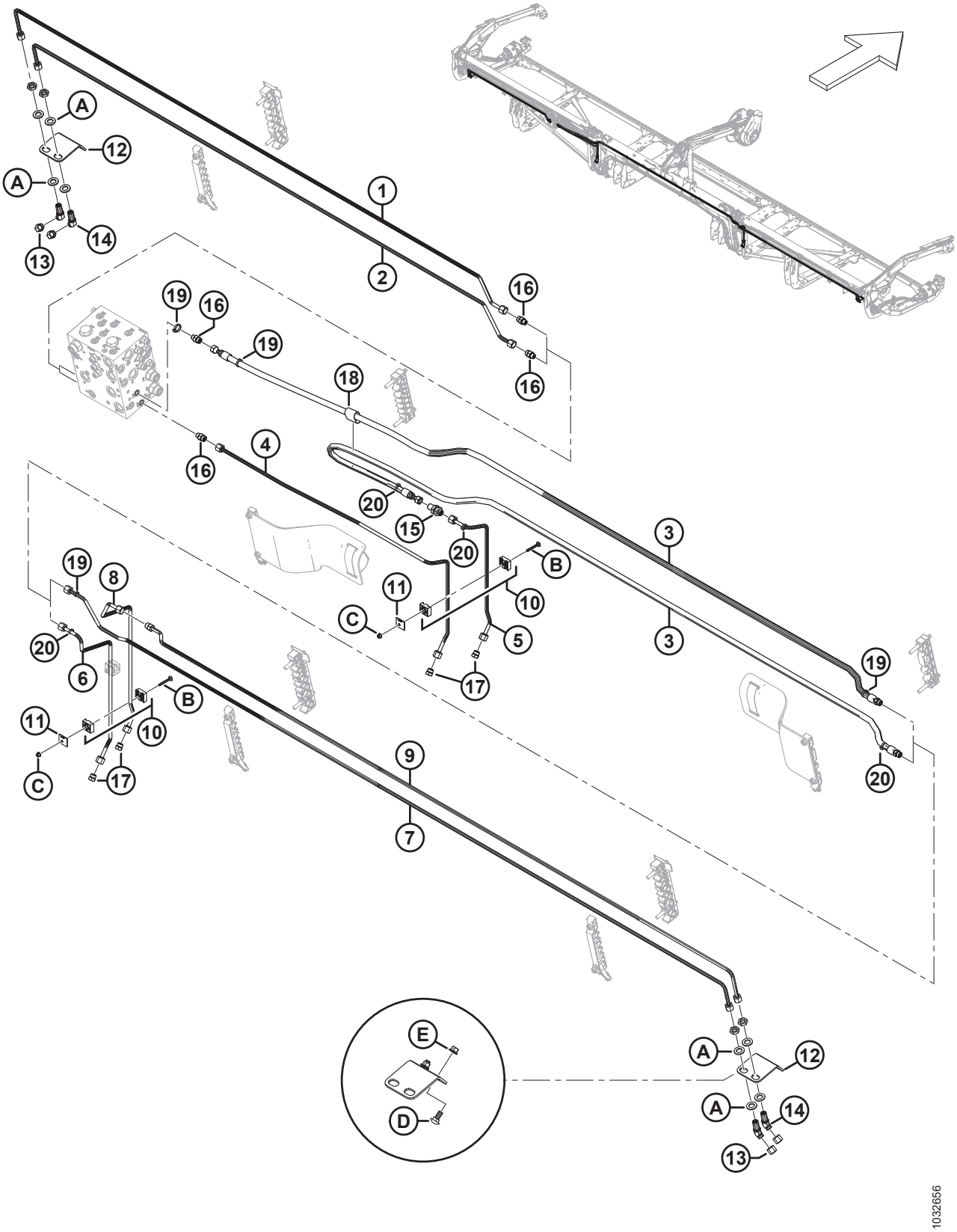
104 Hydraulics – Reel Drive, Double and Triple Reel



Ref	Part Number	Description	Qty	Serial Number
1	323428	LINE – HYDRAULIC	1	
	323808	KIT – REEL DRIVE STEEL LINES [386]	A/R	–451189
2	323429	LINE – HYDRAULIC	1	
	323808	KIT – REEL DRIVE STEEL LINES [386]	A/R	–451189
3	283092	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
4	283091	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	323662	HOSE – HYD (FD230, FD235, FD240, FD241) [387]	2	
	323667	HOSE – HYD (FD245, FD250, FD261) [388]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	136327	FITTING – ELBOW 45° HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
7	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
8	273285	SUPPORT – BRACKET	1	
9	232405	CLAMP – LINE	2	
10	112823	CLAMP – HOSE	2	
11	232397	CLAMP – ASSY [389]	1	
12	232233	CLAMP – COVER PLATE	1	
13	135443	CINCH STRAP 4 IN. LG	2	
14	283989	CLAMP – HOSE REEL TOP	1	
15	283988	CLAMP – HOSE REEL MIDDLE	1	
16	283987	CLAMP – HOSE REEL BOTTOM	1	
17	40701	FASTENER – CABLE TIE, YELLOW	4	
18	49232	FASTENER – CABLE TIE, WHITE	4	
A	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		

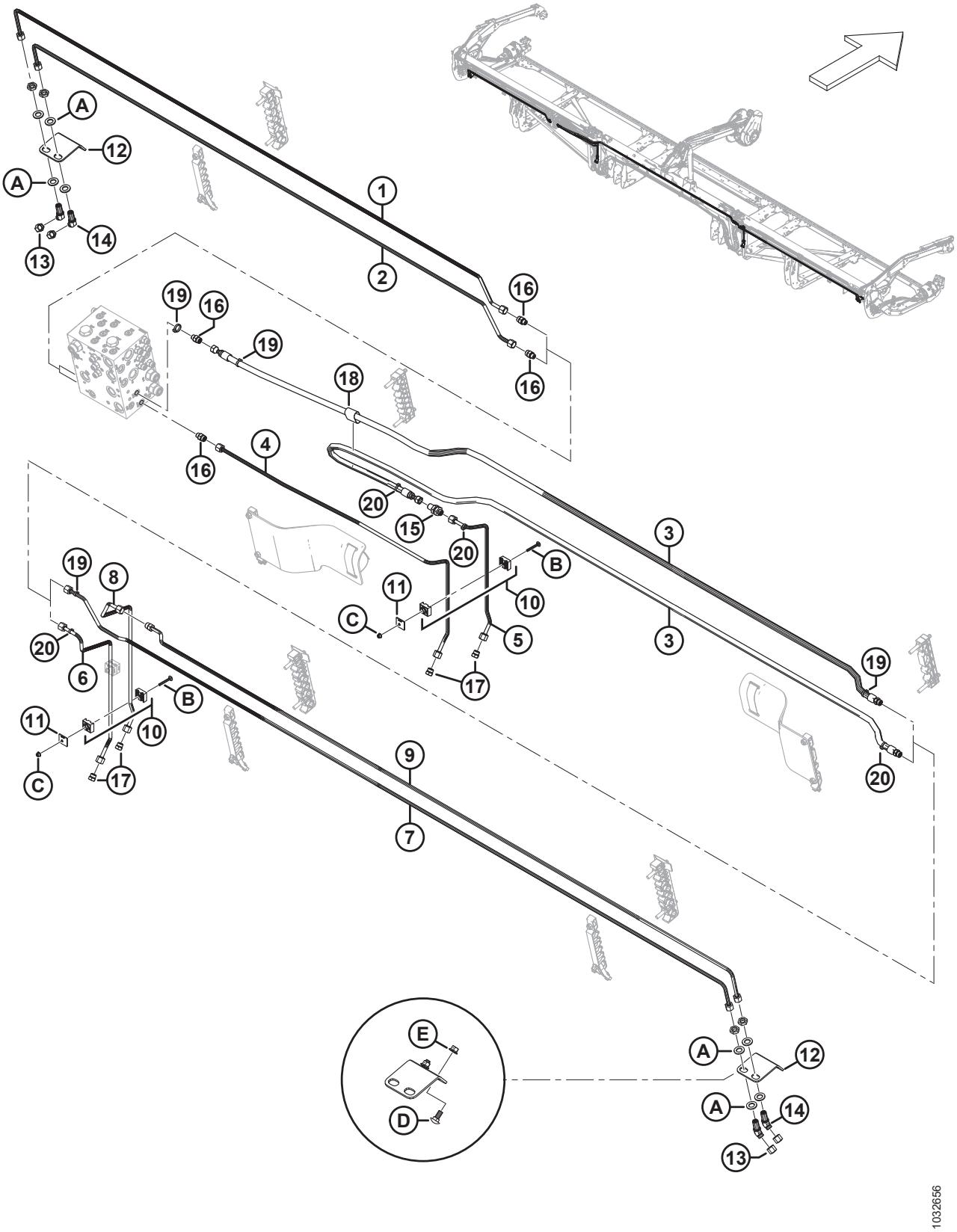
386. The kit includes two steel lines (MD #323428 and MD #323429) and is used to service machines built prior to model year 2023.
387. Used for FD230, FD235, FD240, and FD241 headers.
388. Used for FD245, FD250, and FD261 headers.
389. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.

105 Hydraulics – ContourMax™, Contour Wheels (FD225 and FD230)



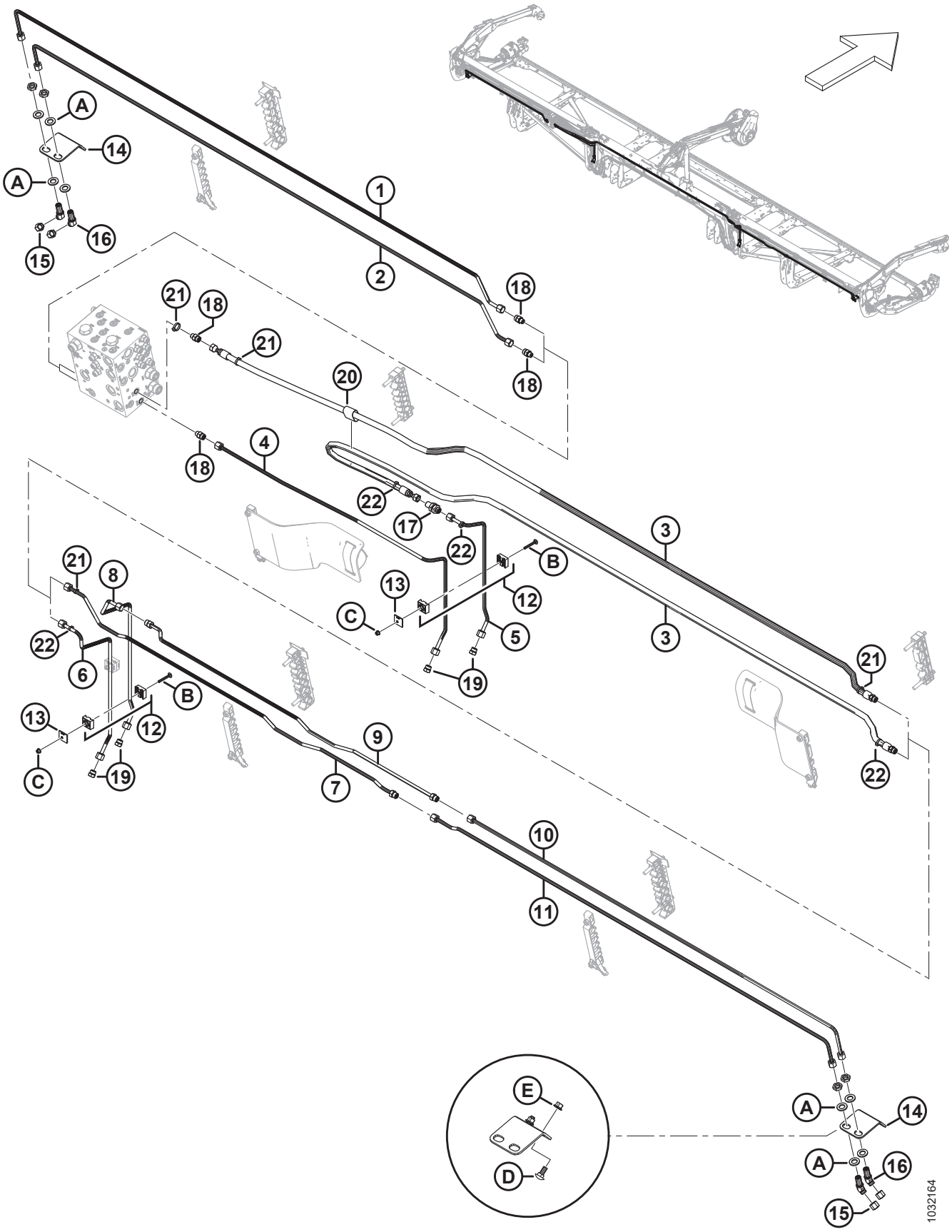
Ref	Part Number	Description	Qty	Serial Number
	B7340	KIT – 25 FT. CONTOURMAX PLUMBING PKG [390]		
	B7082	KIT – 30 FT. CONTOURMAX PLUMBING PKG. [390]		
1	323350	LINE – HYDRAULIC (FD225) [391]	1	
	313524	LINE – HYDRAULIC (FD230) [392]	1	
2	323351	LINE – HYDRAULIC (FD225) [391]	1	
	313523	LINE – HYDRAULIC (FD230) [392]	1	
3	283096	HOSE – HYD (FD225 AND FD230) [393]	2	
	135865	O-RING – Ø1.78 X Ø9.25		
4	313500	LINE – HYDRAULIC (FD225 AND FD230) [393]	1	
5	313499	LINE – HYDRAULIC (FD225 AND FD230) [393]	1	
6	283773	LINE – HYDRAULIC (FD225 AND FD230) [393]	1	
7	323353	LINE – HYDRAULIC (FD225) [391]	1	
	313526	LINE – HYDRAULIC (FD230) [392]	1	
8	313511	LINE – HYDRAULIC (FD225 AND FD230) [393]	1	
9	323352	LINE – HYDRAULIC (FD225) [391]	**1**	
	313525	LINE – HYDRAULIC (FD230) [392]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
10	313496	CLAMP – ASSY [394]	3	
11	313497	PLATE – COVER CLAMP	3	
12	312134	PLATE – BULKHEAD MTG	2	
13	136325	CAP – HYD SAE-6 ORFS	4	
14	136146	FITTING – ELBOW 45° BLKHD HYD [395]	4	
	135865	O-RING – Ø1.78 X Ø9.25		
15	136145	FITTING – BULKHEAD UNION HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
16	135778	FITTING – ADAPTER	4	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
17	136326	PLUG – HYD SAE-6 ORFS	4	
18	135443	CINCH STRAP – 4 IN. LG	1	
19	40703	FASTENER – CABLE TIE, BLUE	4	
20	40701	FASTENER – CABLE TIE, YELLOW	4	
A	136540	WASHER – FLAT		

390. The kit includes all listed parts to make the header ContourMax™ ready if not factory configured. You will also require bundle B7480 to complete the install; refer to Sections *136 (Option) ContourMax™ – Outer Contour Wheels, page 323* and *137 (Option) ContourMax™ – Inner Contour Wheels, page 327*. Kits are available through Whole Goods only.
391. Used for FD225 headers.
392. Used for FD230 headers.
393. Used for FD225 and FD230 headers.
394. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
395. The fitting includes a securing nut (NSS).


A
12
A
1
14
13
2
16
19
16
19
16
18
16
4
20
15
20
3
19
8
B
11
10
C
5
20
6
17
3
19
B
11
10
C
17
9
20
7
E
D
A
12
A
14
13
1032656

Ref	Part Number	Description	Qty	Serial Number
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

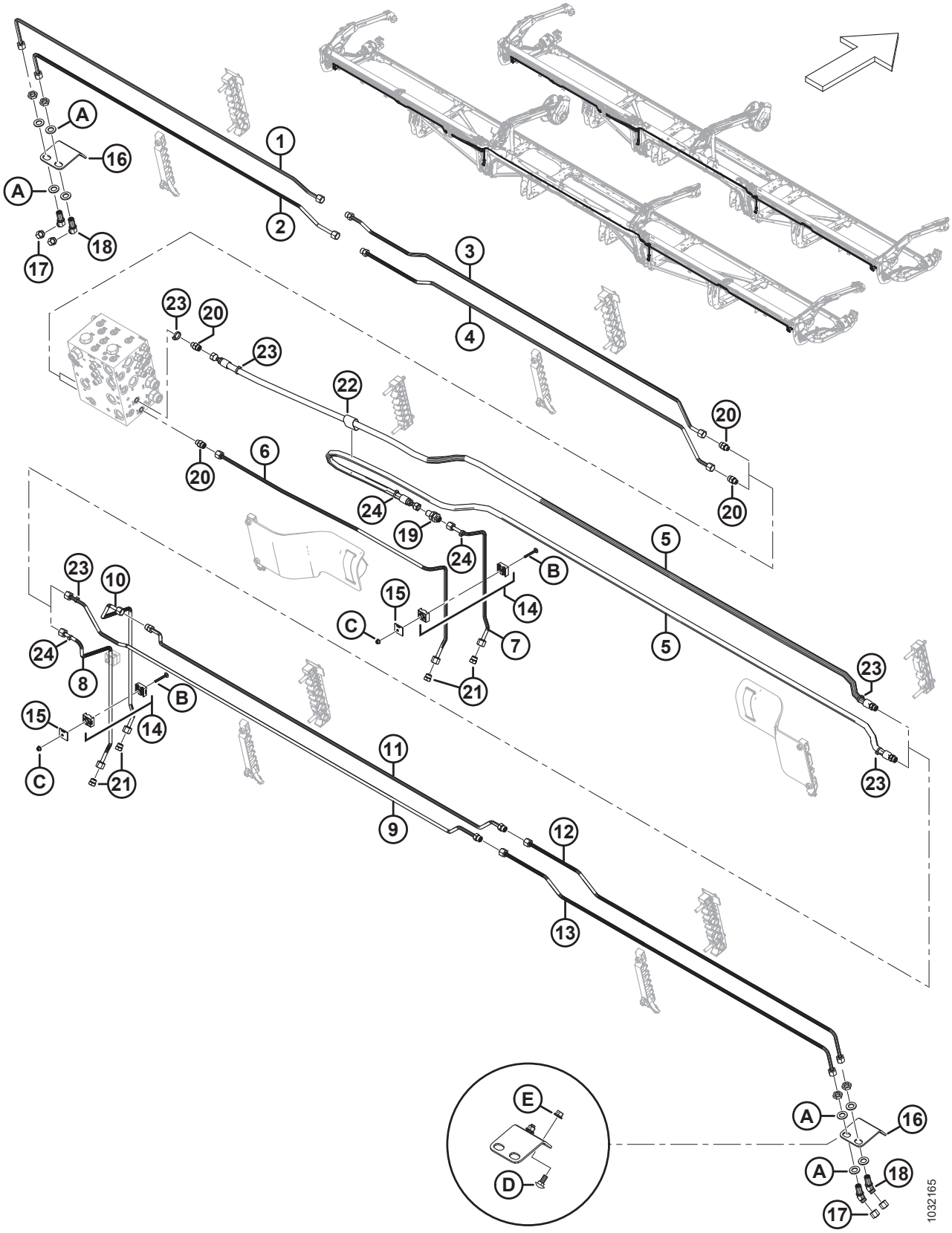
106 Hydraulics – ContourMax™, Contour Wheels (FD235)



Ref	Part Number	Description	Qty	Serial Number
	B7083	KIT – 35 FT. CONTOURMAX PLUMBING PKG. [396]		
1	283017	LINE – HYDRAULIC (FD235)	1	
2	283016	LINE – HYDRAULIC (FD235)	1	
3	283096	HOSE – HYD (FD235)	2	
	135865	O-RING – Ø1.78 X Ø9.25		
4	313500	LINE – HYDRAULIC (FD235)	1	
5	313499	LINE – HYDRAULIC (FD235)	1	
6	283773	LINE – HYDRAULIC (FD235)	1	
7	323362	LINE – HYDRAULIC (FD235)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
8	313511	LINE – HYDRAULIC (FD235)	1	
9	323361	LINE – HYDRAULIC (FD235)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
10	283018	LINE – HYDRAULIC (FD235)	1	
11	283014	LINE – HYDRAULIC (FD235)	1	
12	313496	CLAMP – ASSY [397]	3	
13	313497	PLATE – COVER CLAMP	3	
14	312134	PLATE – BULKHEAD MTG	2	
15	136325	CAP – HYD SAE-6 ORFS	4	
16	136146	FITTING – ELBOW 45° BLKHD HYD [398]	4	
	135865	O-RING – Ø1.78 X Ø9.25		
17	136145	FITTING – BULKHEAD UNION HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	4	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	136326	PLUG – HYD SAE-6 ORFS	4	
20	135443	CINCH STRAP – 4 IN. LG	1	
21	40703	FASTENER – CABLE TIE, BLUE	4	
22	40701	FASTENER – CABLE TIE, YELLOW	4	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

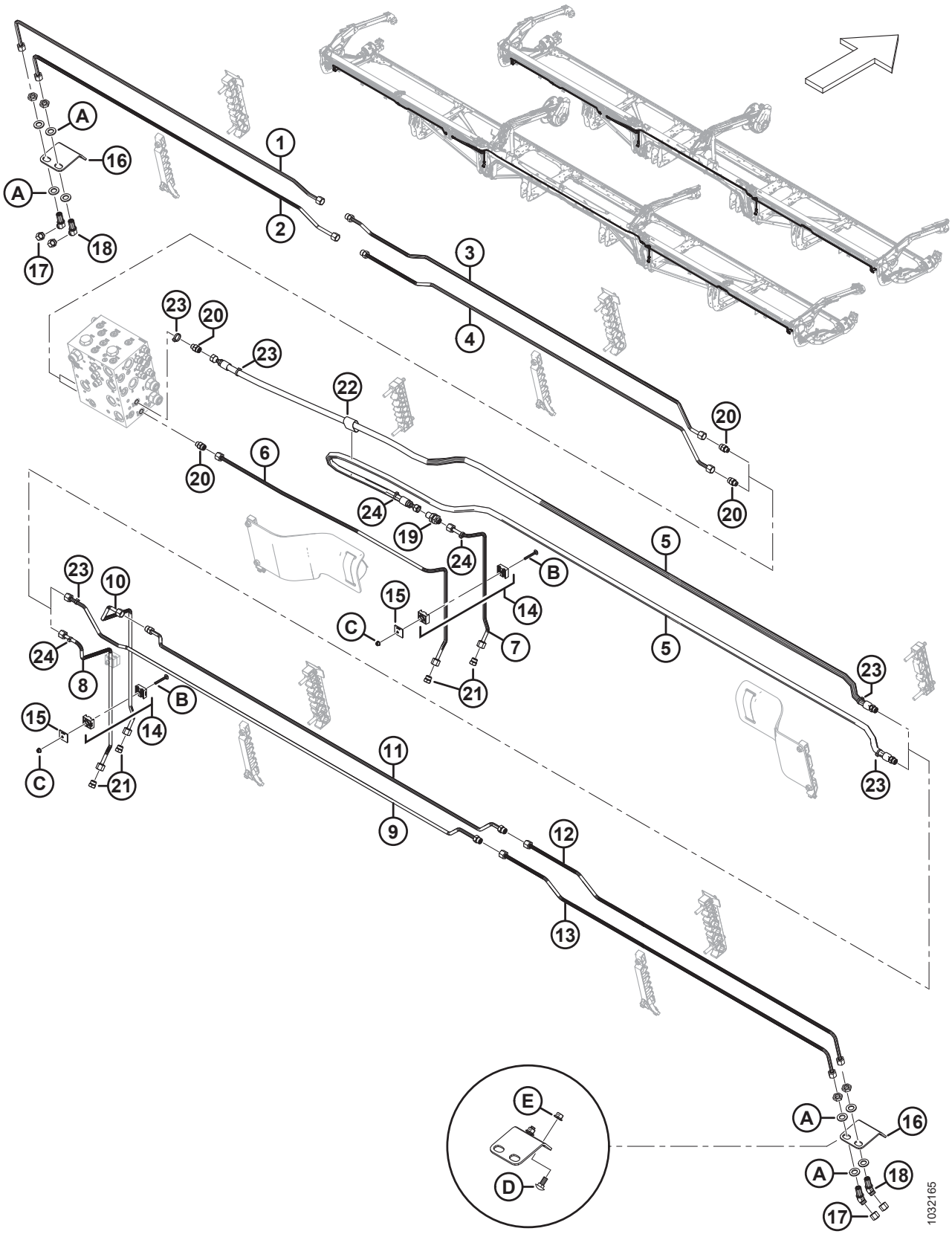
396. The kit includes all listed parts to make the header ContourMax™ ready if not factory configured. You will also require bundle B7480 to complete the install; refer to Sections *136 (Option) ContourMax™ – Outer Contour Wheels, page 323* and *137 (Option) ContourMax™ – Inner Contour Wheels, page 327*. Kits are available through Whole Goods only.
397. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
398. The fitting includes a securing nut (NSS).

107 Hydraulics – ContourMax™, Contour Wheels (FD240, FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
	B7113	KIT – 40 FT. CONTOURMAX PLUMBING PKG. [399]		
	B7114	KIT – 41 FT. CONTOURMAX PLUMBING PKG. [399]		
	B7193	KIT – 45 FT. CONTOURMAX PLUMBING PKG. [399]		
	B7116	KIT – 50 FT. CONTOURMAX PLUMBING PKG. [399]		
1	313557	LINE – HYDRAULIC (FD240 AND FD245) [400]	1	
	283837	LINE – HYDRAULIC (FD241) [401]	1	
	283833	LINE – HYDRAULIC (FD250) [402]	1	
2	313556	LINE – HYDRAULIC (FD240 AND FD245) [400]	1	
	283836	LINE – HYDRAULIC (FD241) [401]	1	
	283831	LINE – HYDRAULIC (FD250) [402]	1	
3	283832	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
4	283830	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283096	HOSE – HYD (FD240, FD241) [403]	2	
	283507	HOSE – HYD (FD245 AND FD250) [404]	2	
	135865	O-RING – Ø1.78 X Ø9.25		
6	313500	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
7	313499	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
8	283773	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
9	313530	LINE – HYDRAULIC (FD240 AND FD245) [400]	1	
	283839	LINE – HYDRAULIC (FD241) [401]	1	
	283012	LINE – HYDRAULIC (FD250) [402]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
10	313511	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
11	313529	LINE – HYDRAULIC (FD240 AND FD245) [400]	1	
	283838	LINE – HYDRAULIC (FD241) [401]	1	
	283015	LINE – HYDRAULIC (FD250) [402]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
12	283776	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
13	283777	LINE – HYDRAULIC (FD240, FD241, FD245, AND FD250)	1	
14	313496	CLAMP – ASSY [405]	3	

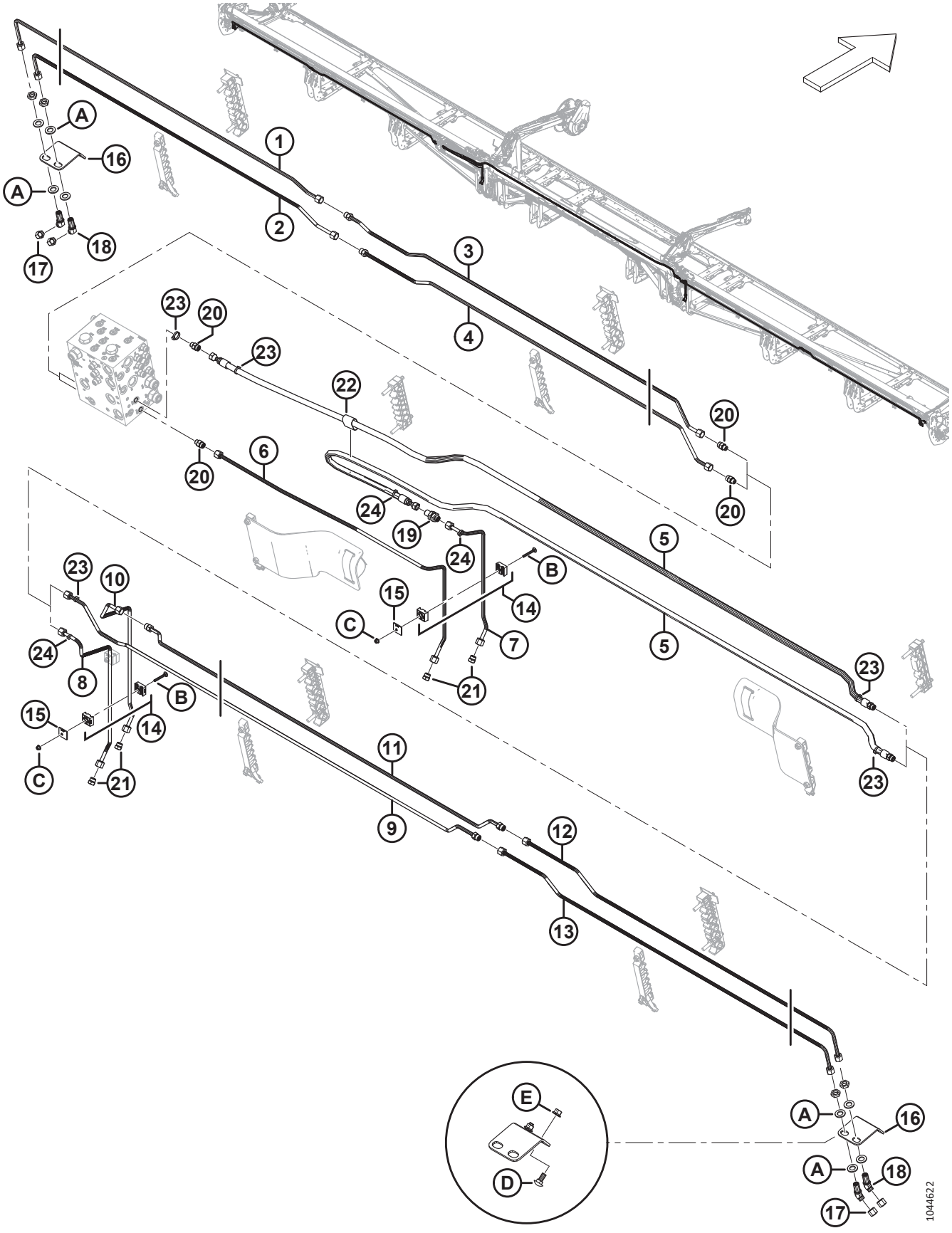
399. The kit includes all listed parts to make the header ContourMax™ ready if not factory configured. You will also require bundle B7480 to complete the install; refer to Sections *136 (Option) ContourMax™ – Outer Contour Wheels, page 323* and *137 (Option) ContourMax™ – Inner Contour Wheels, page 327*. Kits are available through Whole Goods only.
400. Used for FD240 and FD245 headers.
401. Used for FD241 headers.
402. Used for FD250 headers.
403. Used for FD240 and FD241 headers.
404. Used for FD245 and FD250 headers.
405. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.


A
16
A
18
17
1
2
3
4
23
20
23
22
20
6
20
24
19
24
20
5
B
15
C
14
7
21
5
23
23
10
24
8
B
15
14
C
21
11
9
12
13
E
D
A
16
A
18
17
1032165

Ref	Part Number	Description	Qty	Serial Number
15	313497	PLATE – COVER CLAMP	3	
16	312134	PLATE – BULKHEAD MTG	2	
17	136325	CAP – HYD SAE-6 ORFS	4	
18	136146	FITTING – ELBOW 45° BLKHD HYD [406]	4	
	135865	O-RING – Ø1.78 X Ø9.25		
19	136145	FITTING – BULKHEAD UNION HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
20	135778	FITTING – ADAPTER	4	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
21	136326	PLUG – HYD SAE-6 ORFS	4	
22	135443	CINCH STRAP – 4 IN. LG	1	
23	40703	FASTENER – CABLE TIE, BLUE	4	
24	40701	FASTENER – CABLE TIE, YELLOW	4	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

406. The fitting includes a securing nut (NSS).

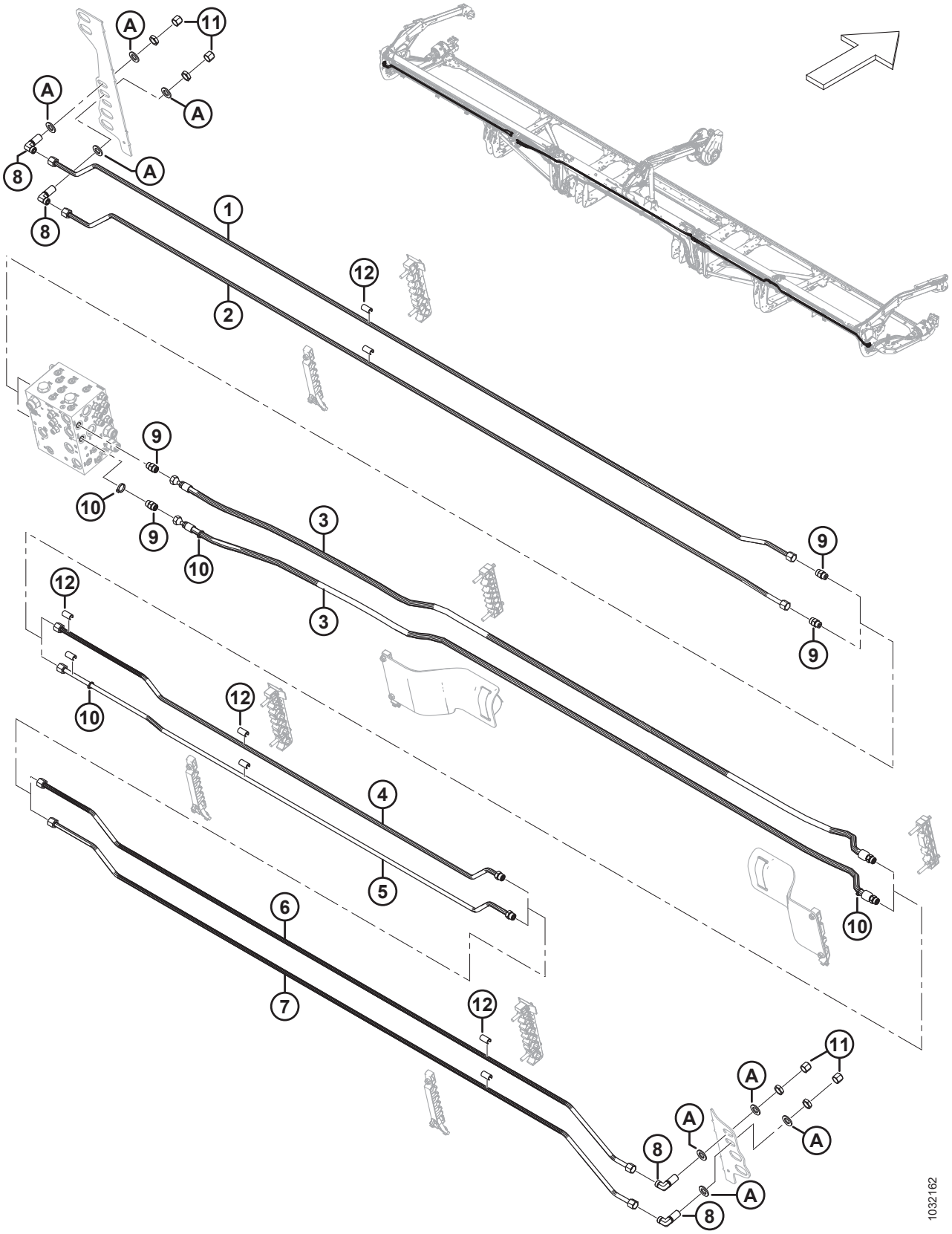
108 Hydraulics – ContourMax™, Contour Wheels (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	366110	LINE – HYDRAULIC (FD261)	1	
2	366108	LINE – HYDRAULIC (FD261)	1	
3	366109	LINE – HYDRAULIC (FD261)	1	
4	366107	LINE – HYDRAULIC (FD261)	1	
5	283507	HOSE – HYD (FD261)	2	
	135865	O-RING – Ø1.78 X Ø9.25		
6	313500	LINE – HYDRAULIC (FD261)	1	
7	313499	LINE – HYDRAULIC (FD261)	1	
8	283773	LINE – HYDRAULIC (FD261)	1	
9	366111	LINE – HYDRAULIC (FD261)	1	
10	313511	LINE – HYDRAULIC (FD261)	1	
11	366112	LINE – HYDRAULIC (FD261)	1	
12	366114	LINE – HYDRAULIC (FD261)	1	
13	366113	LINE – HYDRAULIC (FD261)	1	
14	313496	CLAMP – ASSY [407]	3	
15	313497	PLATE – COVER CLAMP	3	
16	312134	PLATE – BULKHEAD MTG	2	
17	136325	CAP – HYD SAE-6 ORFS	4	
18	136146	FITTING – ELBOW 45° BLKHD HYD [408]	4	
	135865	O-RING – Ø1.78 X Ø9.25		
19	136145	FITTING – BULKHEAD UNION HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
20	135778	FITTING – ADAPTER	4	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
21	136326	PLUG – HYD SAE-6 ORFS	4	
22	135443	CINCH STRAP – 4 IN. LG	1	
23	40703	FASTENER – CABLE TIE, BLUE	4	
24	40701	FASTENER – CABLE TIE, YELLOW	4	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

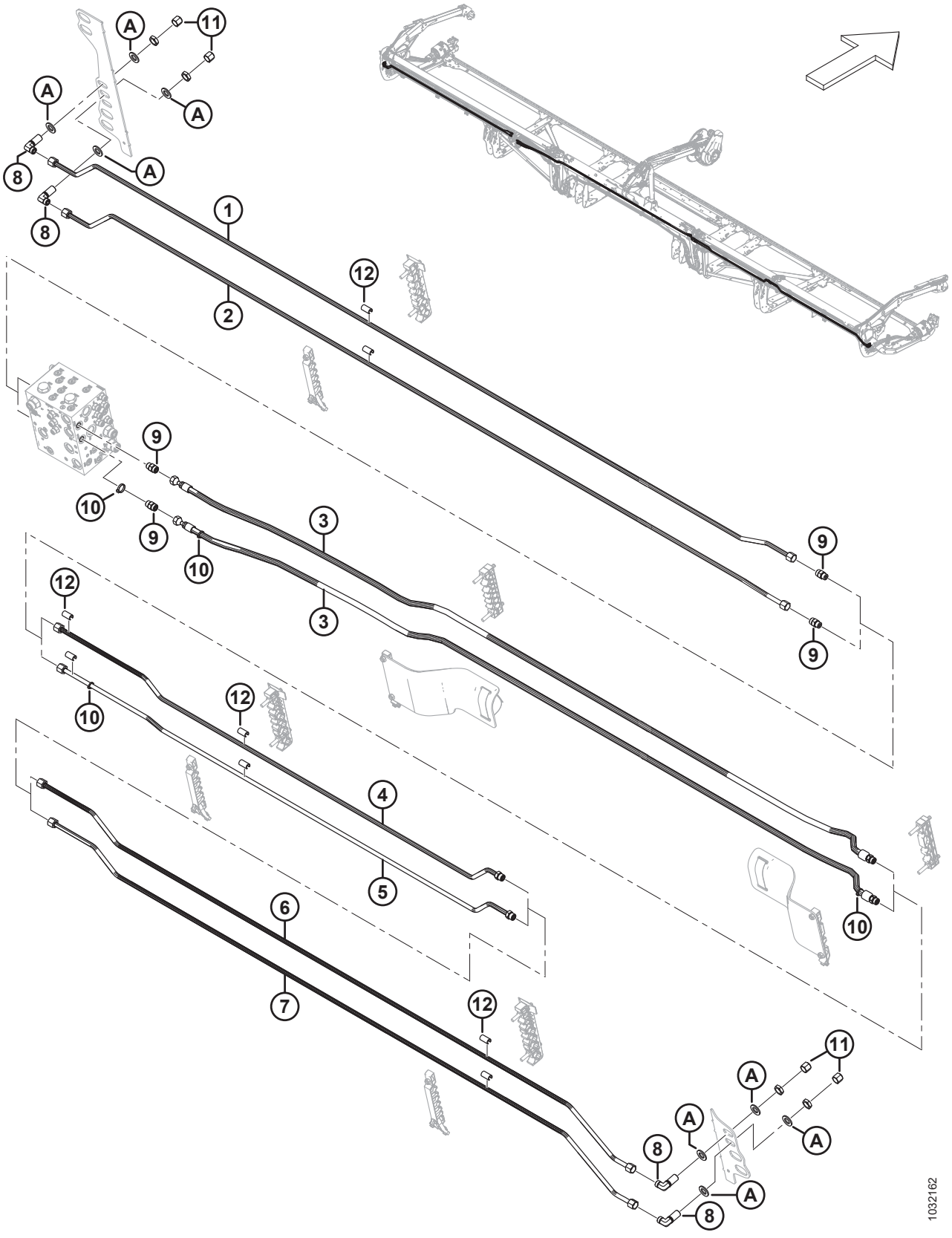
407. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
408. The fitting includes a securing nut (NSS).

109 Hydraulics – VertiBlade™ Vertical Knife (FD225, FD230, FD235, FD241, and FD245)



Ref	Part Number	Description	Qty	Serial Number
	B7339	KIT – 25 FT. VERTIBLADE PLUMBING PKG. [409]		
	B7127	KIT – 30 FT. VERTIBLADE PLUMBING PKG. [409]		
	B7128	KIT – 35 FT. VERTIBLADE PLUMBING PKG. [409]		
	B7130	KIT – 41 FT. VERTIBLADE PLUMBING PKG. [409]		
	B7195	KIT – 45 FT. VERTIBLADE PLUMBING PKG. [409]		
1	323827	LINE – HYDRAULIC (FD225) [410]	1	
	283050	LINE – HYDRAULIC (FD230) [411]	1	
	283160	LINE – HYDRAULIC (FD235) [412]	1	
	283460	LINE – HYDRAULIC (FD241) [413]	1	
	283435	LINE – HYDRAULIC (FD245) [414]	1	
2	323826	LINE – HYDRAULIC (FD225) [410]	1	
	283049	LINE – HYDRAULIC (FD230) [411]	1	
	283159	LINE – HYDRAULIC (FD235) [412]	1	
	283459	LINE – HYDRAULIC (FD241) [413]	1	
	283434	LINE – HYDRAULIC (FD245) [414]	1	
3	283097	HOSE – HYD (FD225, FD230, FD235, AND FD241) [415]	2	
	283560	HOSE – HYD (FD245) [414]	2	
	135866	O-RING – Ø1.78 X Ø12.42		
4	323829	LINE – HYDRAULIC (FD225) [410]	1	
	283081	LINE – HYDRAULIC (FD230) [411]	1	
	283161	LINE – HYDRAULIC (FD235) [412]	1	
	283194	LINE – HYDRAULIC (FD241) [413]	1	
	283436	LINE – HYDRAULIC (FD245) [414]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
5	323828	LINE – HYDRAULIC (FD225) [410]	1	
	283082	LINE – HYDRAULIC (FD230) [411]	1	
	283162	LINE – HYDRAULIC (FD235) [412]	1	
	283195	LINE – HYDRAULIC (FD241) [413]	1	
	283437	LINE – HYDRAULIC (FD245) [414]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
6	283438	LINE – HYDRAULIC (FD241 AND FD245) [416]	1	
7	283439	LINE – HYDRAULIC (FD241 AND FD245) [416]	1	

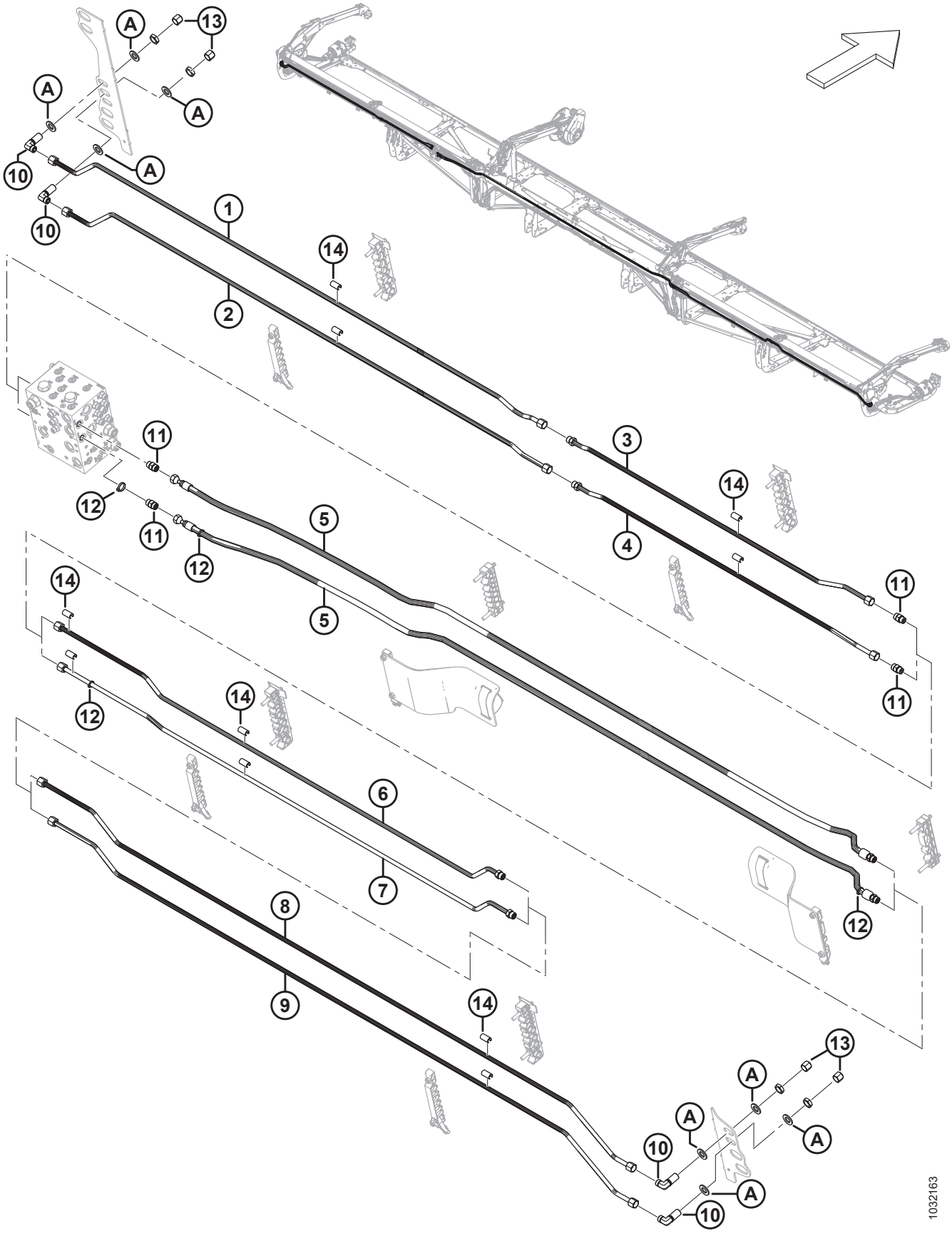
409. The kit includes all listed parts to make the header VertiBlade™ Vertical Knife ready if not factory configured. Kits are available through Whole Goods only.
410. Used for FD225 headers.
411. Used for FD230 headers.
412. Used for FD235 headers.
413. Used for FD241 headers.
414. Used for FD245 headers.
415. Used for FD225, FD230, FD235, and FD241 headers.
416. FD241 and FD245 headers only.


A
11
A
A
8
A
8
1
2
12
9
10
9
10
3
3
9
9
12
10
12
4
5
6
7
12
11
A
A
A
8
A
8
1032162

Ref	Part Number	Description	Qty	Serial Number
8	136244	FITTING – ELBOW 90° BULKHEAD HYD [417]	4	
	135866	O-RING – Ø1.78 X Ø12.42		
9	135780	FITTING – ADAPTER	4	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
10	252795	FASTENER – CABLE TIE, PINK	4	
11	136741	CAP – HYD SAE 8 ORFS	4	
12	323003	SPACER – 1/2 IN. HYD LINE [418]		
A	18601	WASHER – FLAT SAE		

417. The fitting includes a securing nut.
418. Quantities: FD225 = 6, FD230 = 10, FD235 = 14, FD241 = 18, and FD245 = 18.

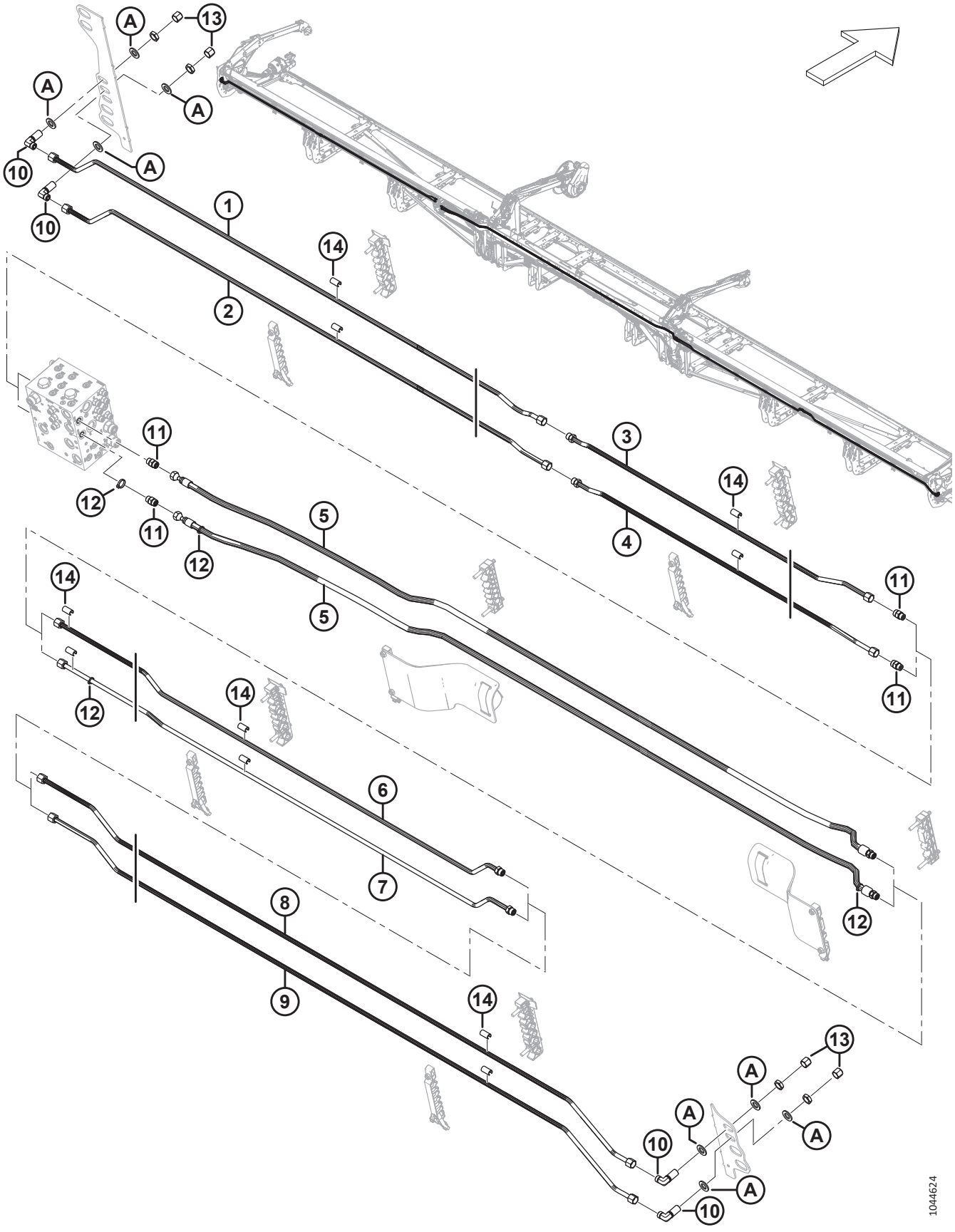
110 Hydraulics – VertiBlade™ Vertical Knife (FD250)



Ref	Part Number	Description	Qty	Serial Number
	B7131	KIT – 50 FT. VERTIBLADE PLUMBING PKG. [419]		
1	283467	LINE – HYDRAULIC	1	
2	283466	LINE – HYDRAULIC	1	
3	283191	LINE – HYDRAULIC	1	
	135866	O-RING – Ø1.78 X Ø12.42		
4	283190	LINE – HYDRAULIC	1	
	135866	O-RING – Ø1.78 X Ø12.42		
5	283560	HOSE – HYD	2	
	135866	O-RING – Ø1.78 X Ø12.42		
6	283192	LINE – HYDRAULIC	1	
	135866	O-RING – Ø1.78 X Ø12.42		
7	283193	LINE – HYDRAULIC	1	
	135866	O-RING – Ø1.78 X Ø12.42		
8	283438	LINE – HYDRAULIC	1	
9	283439	LINE – HYDRAULIC	1	
10	136244	FITTING – ELBOW 90° BULKHEAD HYD [420]	4	
	135866	O-RING – Ø1.78 X Ø12.42		
11	135780	FITTING – ADAPTER	4	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
12	252795	FASTENER – CABLE TIE, PINK	4	
13	136741	CAP – HYD SAE 8 ORFS	4	
14	323003	SPACER – 1/2 IN. HYD LINE	22	
A	18601	WASHER – FLAT SAE		

419. The kit includes all listed parts to make the header VertiBlade™ Vertical Knife ready if not factory configured. Kits are available through Whole Goods only.
420. The fitting includes a securing nut.

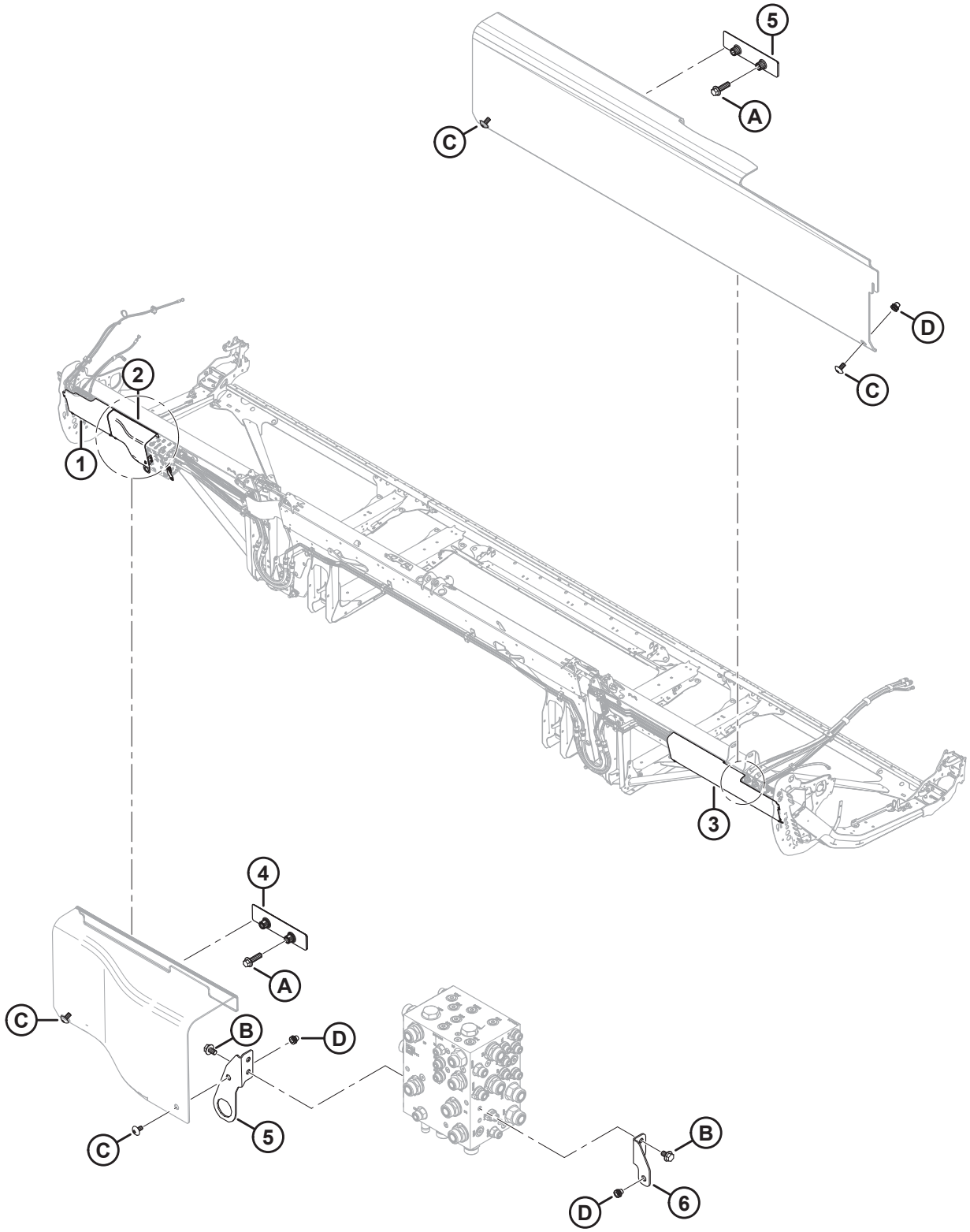
111 Hydraulics – VertiBlade™ Vertical Knife (FD261)



Ref	Part Number	Description	Qty	Serial Number
	B7458	KIT – 61 FT. VERTIBLADE PLUMBING PKG. [421]		
1	366102	LINE – HYDRAULIC	1	
2	366101	LINE – HYDRAULIC	1	
3	366100	LINE – HYDRAULIC	1	
4	366099	LINE – HYDRAULIC	1	
5	283560	HOSE – HYD	2	
	135866	O-RING – Ø1.78 X Ø12.42		
6	366103	LINE – HYDRAULIC	1	
7	366104	LINE – HYDRAULIC	1	
8	366105	LINE – HYDRAULIC	1	
9	366106	LINE – HYDRAULIC	1	
10	136244	FITTING – ELBOW 90° BULKHEAD HYD [422]	4	
	135866	O-RING – Ø1.78 X Ø12.42		
11	135780	FITTING – ADAPTER	4	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
12	252795	FASTENER – CABLE TIE, PINK	4	
13	136741	CAP – HYD SAE 8 ORFS	4	
14	323003	SPACER – 1/2 IN. HYD LINE	30	
A	18601	WASHER – FLAT SAE		

421. The kit includes all listed parts to make the header VertiBlade™ Vertical Knife ready if not factory configured. Kits are available through Whole Goods only.
422. The fitting includes a securing nut.

112 Hydraulic Line Covers (FD225)

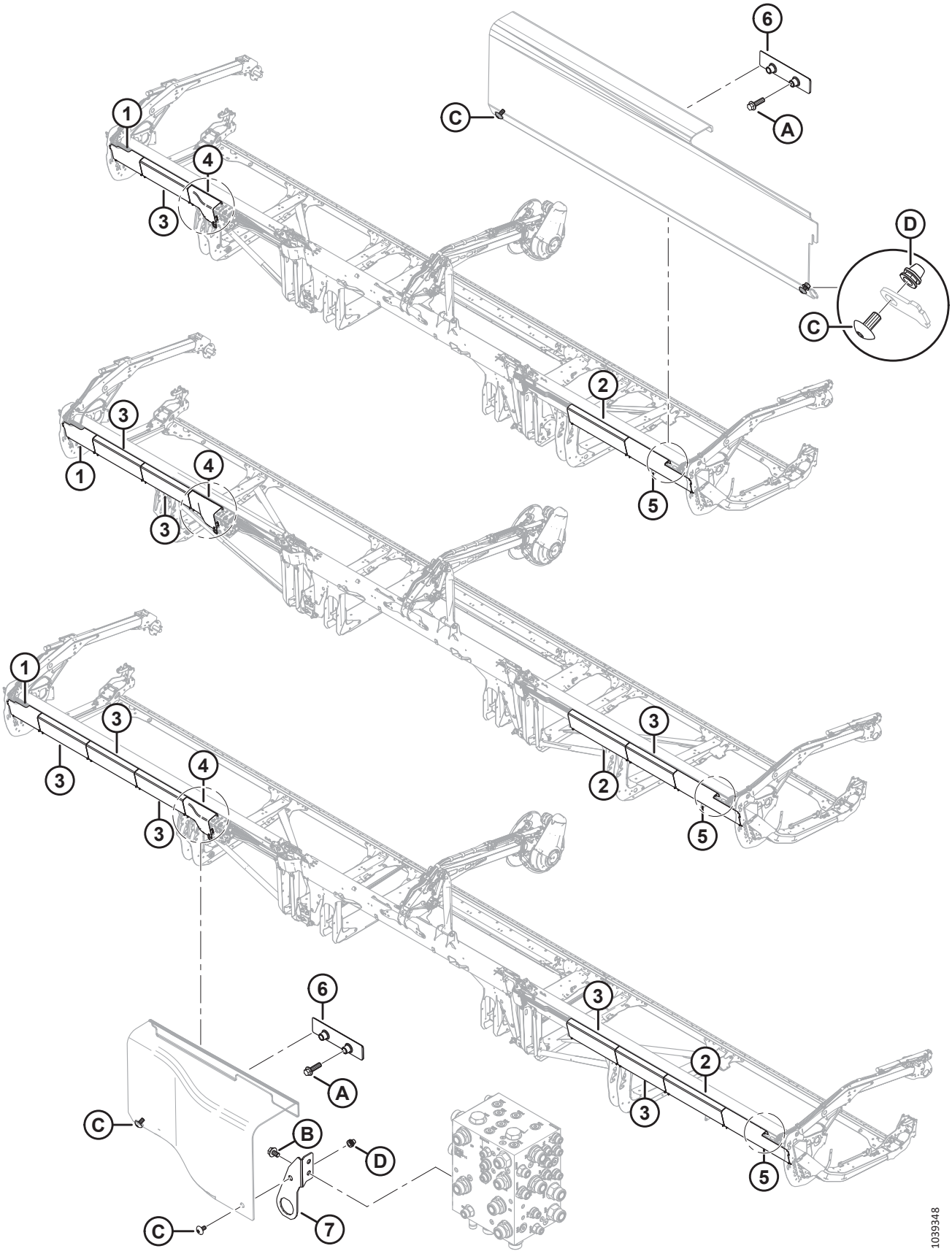


HYDRAULIC LINE COVERS (FD225)

Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323795	COVER – HYD MANIFOLD LH	1	
3	340683	COVER – HYD RH END PLASTIC	1	
4	283849	BRACKET – HYD COVER SUPPORT	2	
5	323772	ASSY – CONNECTOR BRACKET [423]	1	
6	323773	ASSY – RH SHIELD BRACKET [424]	1	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T		
D	320448	RIVNUT – M8 X 1.25 HEX		

423. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).
424. The assembly includes RH shield mounting bracket (NSS) and rivnut (MD #320448).

113 Hydraulic Line Covers (FD230, FD235, and FD240)

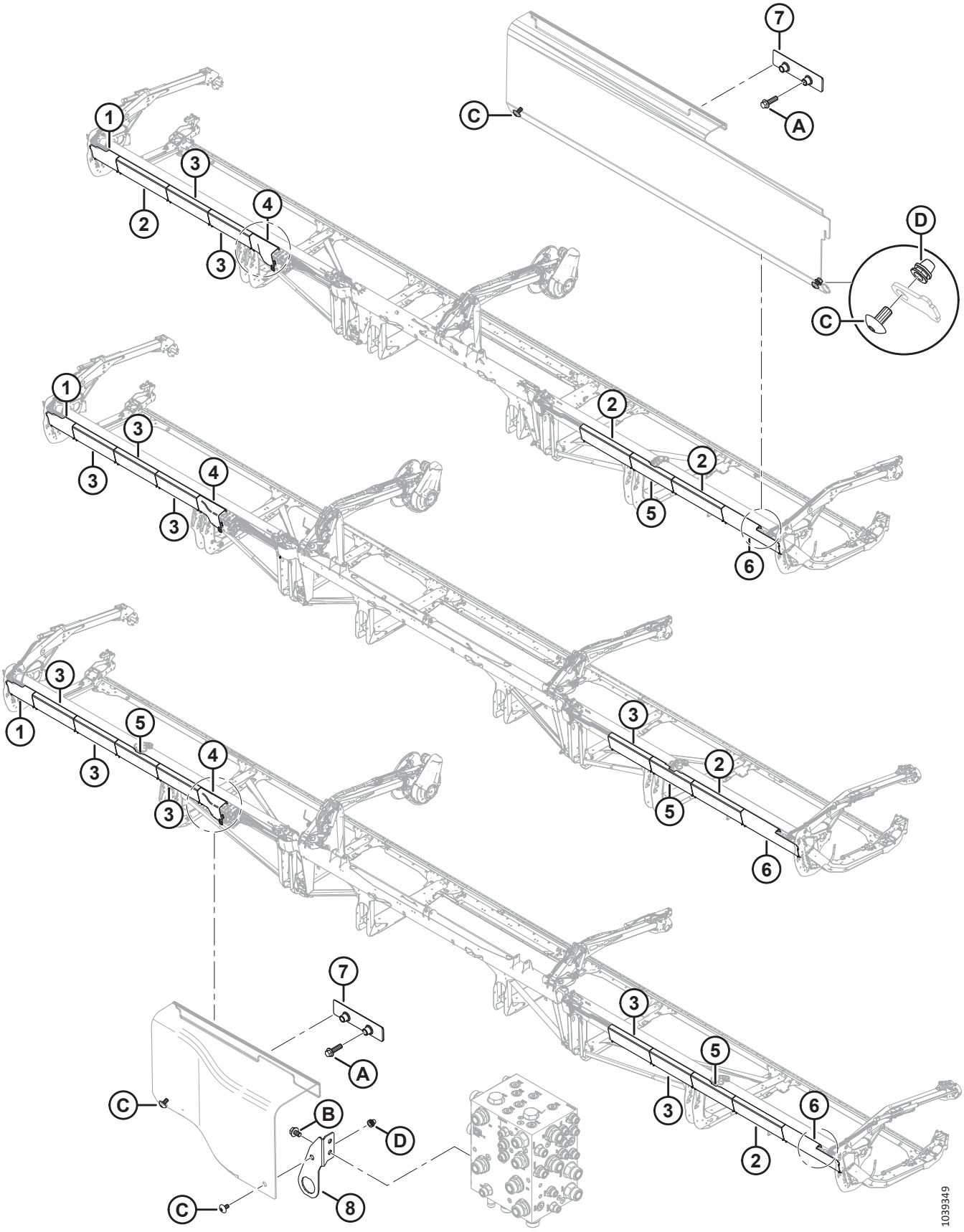


HYDRAULIC LINE COVERS (FD230, FD235, AND FD240)

Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323172	COVER – HYD LONG PLASTIC [425]		
3	323169	COVER – HYD COMMON PLASTIC [426]		
4	323795	COVER – HYD MANIFOLD LH	1	
5	323166	COVER – HYD RH END PLASTIC	1	
6	283849	BRACKET – HYD COVER SUPPORT	2	
7	323772	ASSY – CONNECTOR BRACKET [427]	1	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T [428]		
D	320448	RIVNUT – M8 X 1.25 HEX		

425. Quantities: FD230 = 1, FD235 = 1, and FD240 = 1.
426. Quantities: FD230 = 1, FD235 = 3, and FD240 = 5.
427. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448). Model year 2022 and prior machines with superseded bracket (MD #311513) used M10 bolt (MD #152655) and M10 lock nut (MD #135799) to secure the LH hydraulic manifold cover to the connector bracket. For model year 2023 and later machines, or for machines that have been serviced with connector bracket assembly (MD #323772), order M8 screw (MD #320336).
428. Quantities: FD230 = 10, FD235 = 14, and FD240 = 18.

114 Hydraulic Line Covers (FD241, FD245, and FD250)



HYDRAULIC LINE COVERS (FD241, FD245, AND FD250)

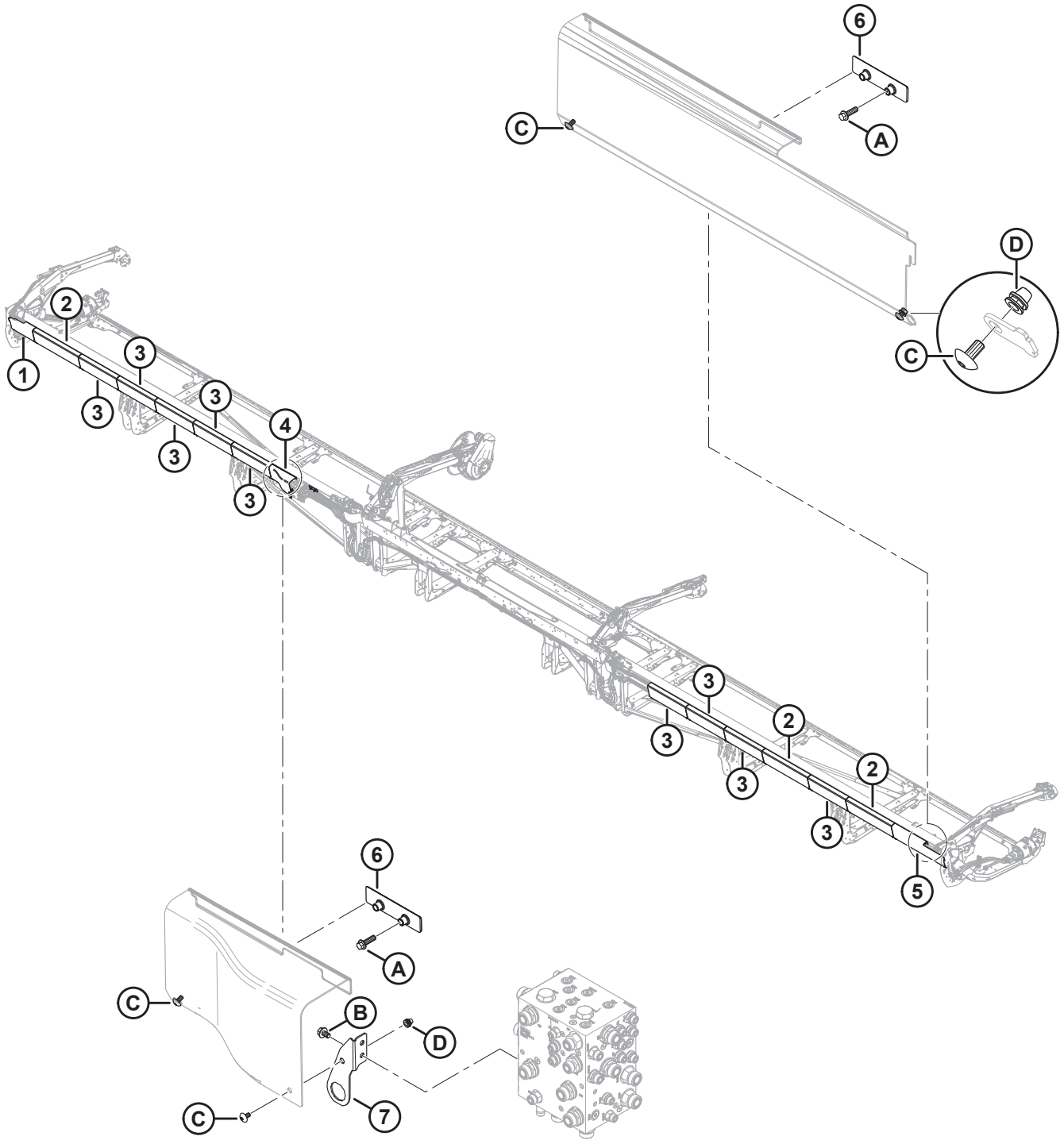
NOTE:

FD245 split-frame and FD250 split-frame hydraulic line covers are shown in the illustration; one-piece frame hydraulic line covers are similar.

Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323172	COVER – HYD LONG PLASTIC [429]		
3	323169	COVER – HYD COMMON PLASTIC [430]		
4	323795	COVER – HYD MANIFOLD LH	1	
5	323165	COVER – HYD SPLIT PLASTIC [431]		
6	323166	COVER – HYD RH END PLASTIC	1	
7	283849	BRACKET – HYD COVER SUPPORT	2	
8	323772	ASSY – CONNECTOR BRACKET [432]	1	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T [433]		
D	320448	RIVNUT – M8 X 1.25 HEX		

429. Quantities: FD241 = 3, FD245 = 1, and FD250 = 1.
430. Quantities: FD241 = 2, FD245 split frame = 4, FD245 one-piece frame = 5, FD250 split frame = 5, and FD250 one-piece frame = 7.
431. Quantities: FD241 = 1, FD245 split frame = 1, FD245 one-piece frame = 0, FD250 split frame = 2, and FD250 one-piece frame = 0.
432. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448). Model year 2022 and prior machines with superseded bracket (MD #311513) used M10 bolt (MD #152655) and M10 lock nut (MD #135799) to secure the LH hydraulic manifold cover to the connector bracket. For model year 2023 and later machines, or for machines that have been serviced with connector bracket assembly (MD #323772), order M8 screw (MD #320336).
433. Quantities: FD241 = 18, FD245 = 18, and FD250 = 22.

115 Hydraulic Line Covers (FD261)

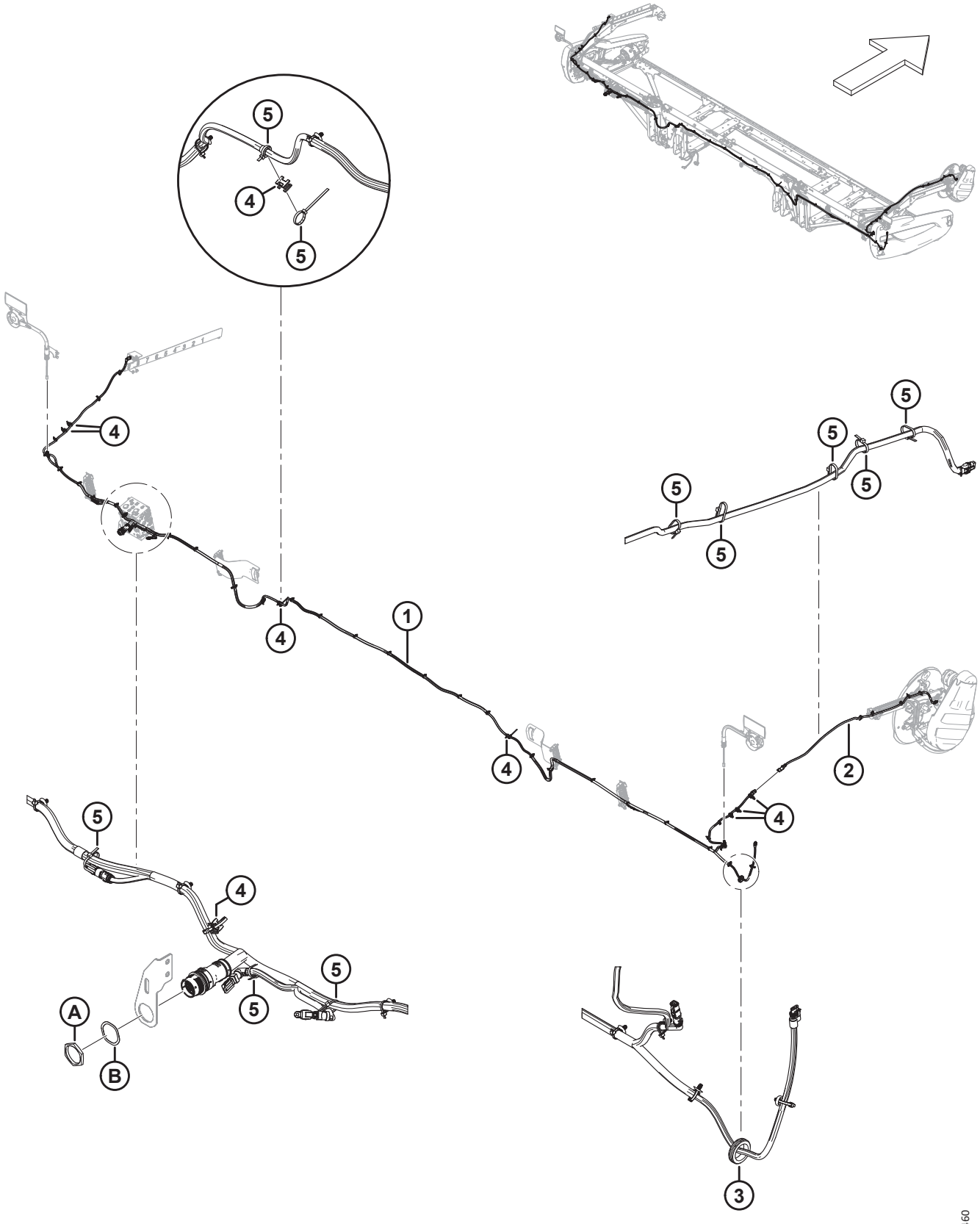


HYDRAULIC LINE COVERS (FD261)

Ref	Part Number	Description	Qty	Serial Number
1	**323164**	**COVER – HYD LH END PLASTIC**	**1**	
2	**323172**	**COVER – HYD LONG PLASTIC**	**3**	
3	**323169**	**COVER – HYD COMMON PLASTIC**	**9**	
4	**323795**	**COVER – HYD MANIFOLD LH**	**1**	
5	**323166**	**COVER – HYD RH END PLASTIC**	**1**	
6	**283849**	**BRACKET – HYD COVER SUPPORT**	**3**	
7	**323772**	**ASSY – CONNECTOR BRACKET** [434]	**1**	
A	**136211**	**BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J**		
B	**136151**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J**		
C	**320336**	**SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T** [435]		
D	**320448**	**RIVNUT – M8 X 1.25 HEX**		

434. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).
435. Quantities: FD261 = 30.

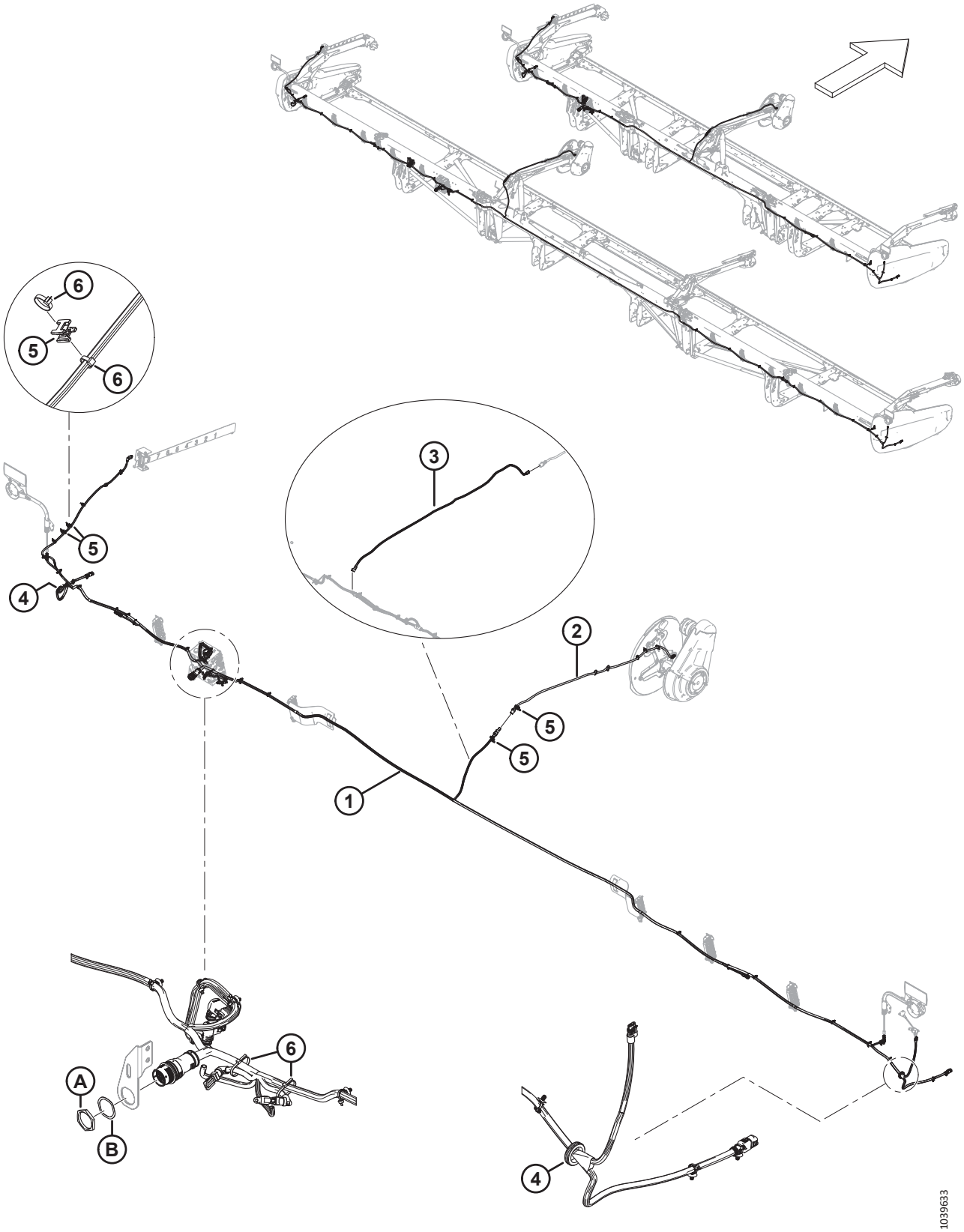
116 Electrical – Harness (FD225)



Ref	Part Number	Description	Qty	Serial Number
1	323381	HARNESS – MAIN 25 FT [436]	1	
2	323145	HARNESS – HDR EXT. REEL ARM	1	
3	323130	GROMMET – RUBBER	1	
4	134442	SPACER – DUAL SWIVEL SADDLE	8	
5	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

436. The harness comes complete with all fir tree fasteners (MD #136655) attached.

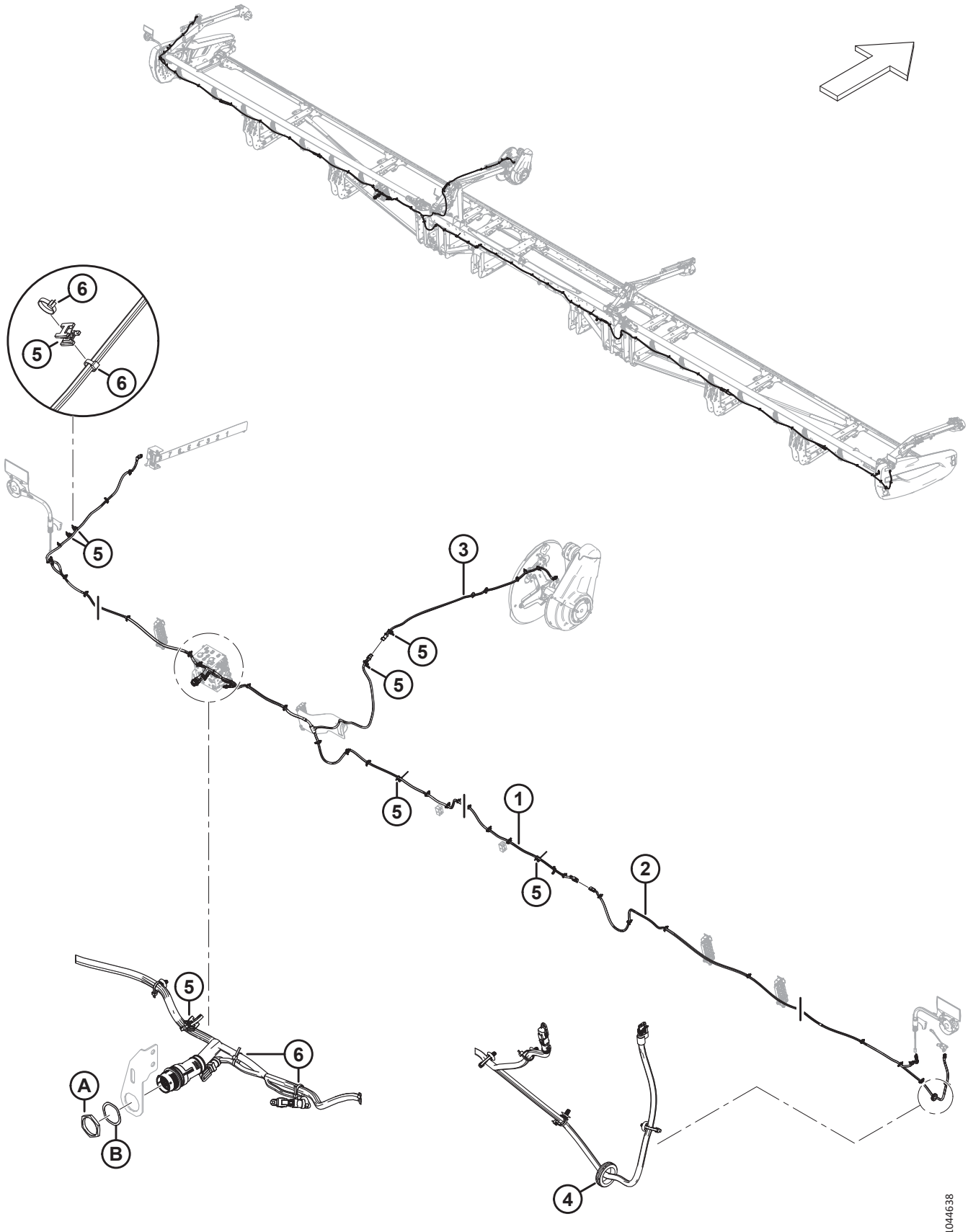
117 Electrical – Harness (FD230, FD235, FD240, FD241, FD245, and FD250)



Ref	Part Number	Description	Qty	Serial Number
1	323207	HARNESS – MAIN 30 FT [437]	1	
	323208	HARNESS – MAIN 35 FT [437]	1	
	323210	HARNESS – MAIN 40 FT [437]	1	
	323209	HARNESS – MAIN 41 FT [437]	1	
	323211	HARNESS – MAIN 45 FT [437]	1	
	323212	HARNESS – MAIN 50 FT [437]	1	
	136655	FASTENER – FIR TREE MT W/ TIE	A/R	
2	323145	HARNESS – HDR EXT. REEL ARM	1	
3	323718	HARNESS – HDR EXT. REEL TR (2021/2022 FD240 TRIPLE REEL) [438]	1	
4	323130	GROMMET – RUBBER	2	
5	134442	SPACER – DUAL SWIVEL SADDLE	4	
6	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

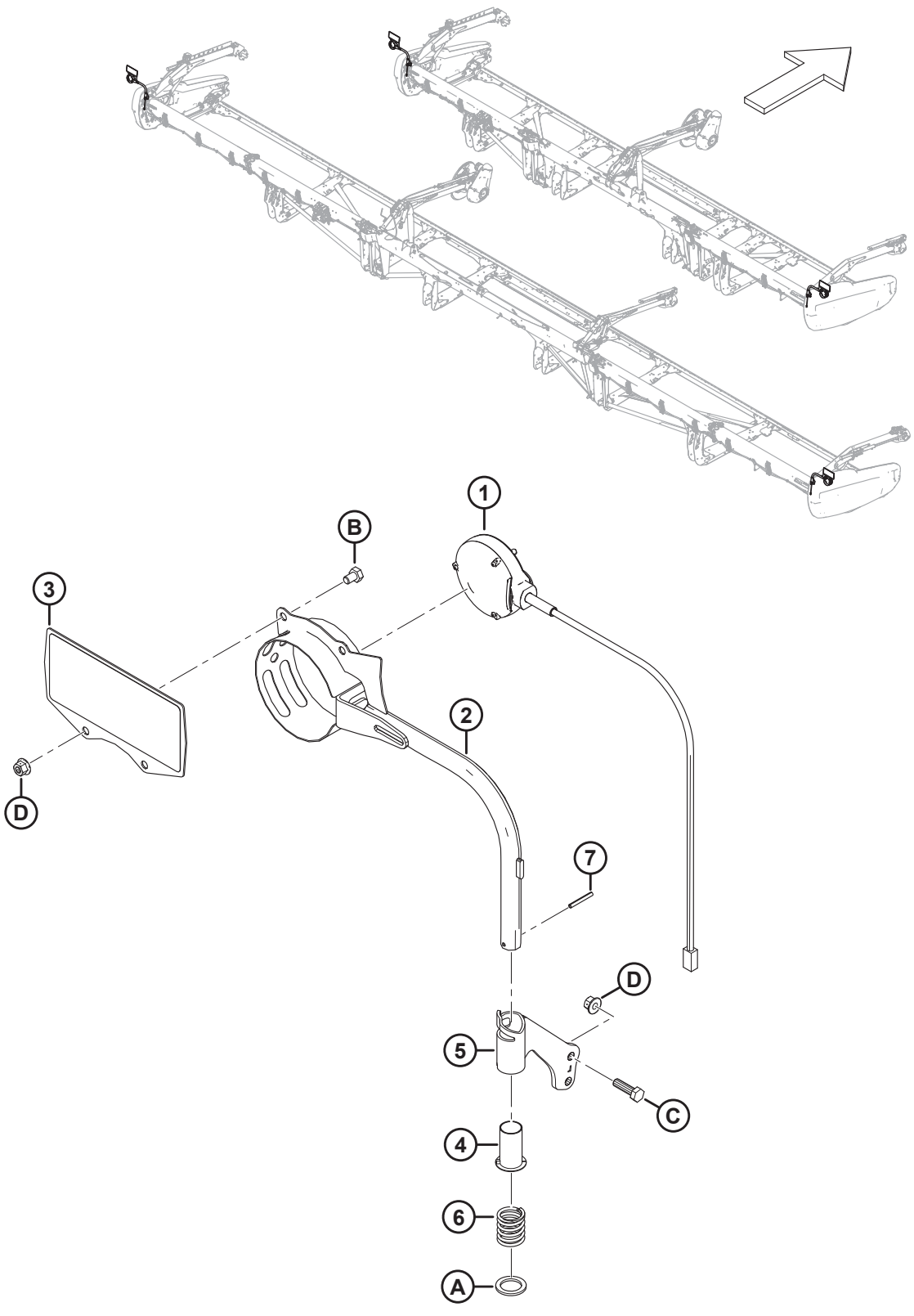
437. The harness comes complete with all fir tree fasteners (MD #136655) attached.
438. Required only on model year 2021/2022 FD240 triple-reel headers; installed between the main harness and extension harness (MD #323145).

118 Electrical – Harness (FD261)



Ref	Part Number	Description	Qty	Serial Number
1	323934	HARNESS – FD261, MAIN	1	
	136655	FASTENER – FIR TREE MT W/ TIE	A/R	
2	323939	HARNESS – EXT., FD261 RH WING	1	
	136655	FASTENER – FIR TREE MT W/ TIE	A/R	
3	323145	HARNESS – HDR EXT. REEL ARM	1	
4	323130	GROMMET – RUBBER	1	
5	134442	SPACER – DUAL SWIVEL SADDLE	8	
6	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

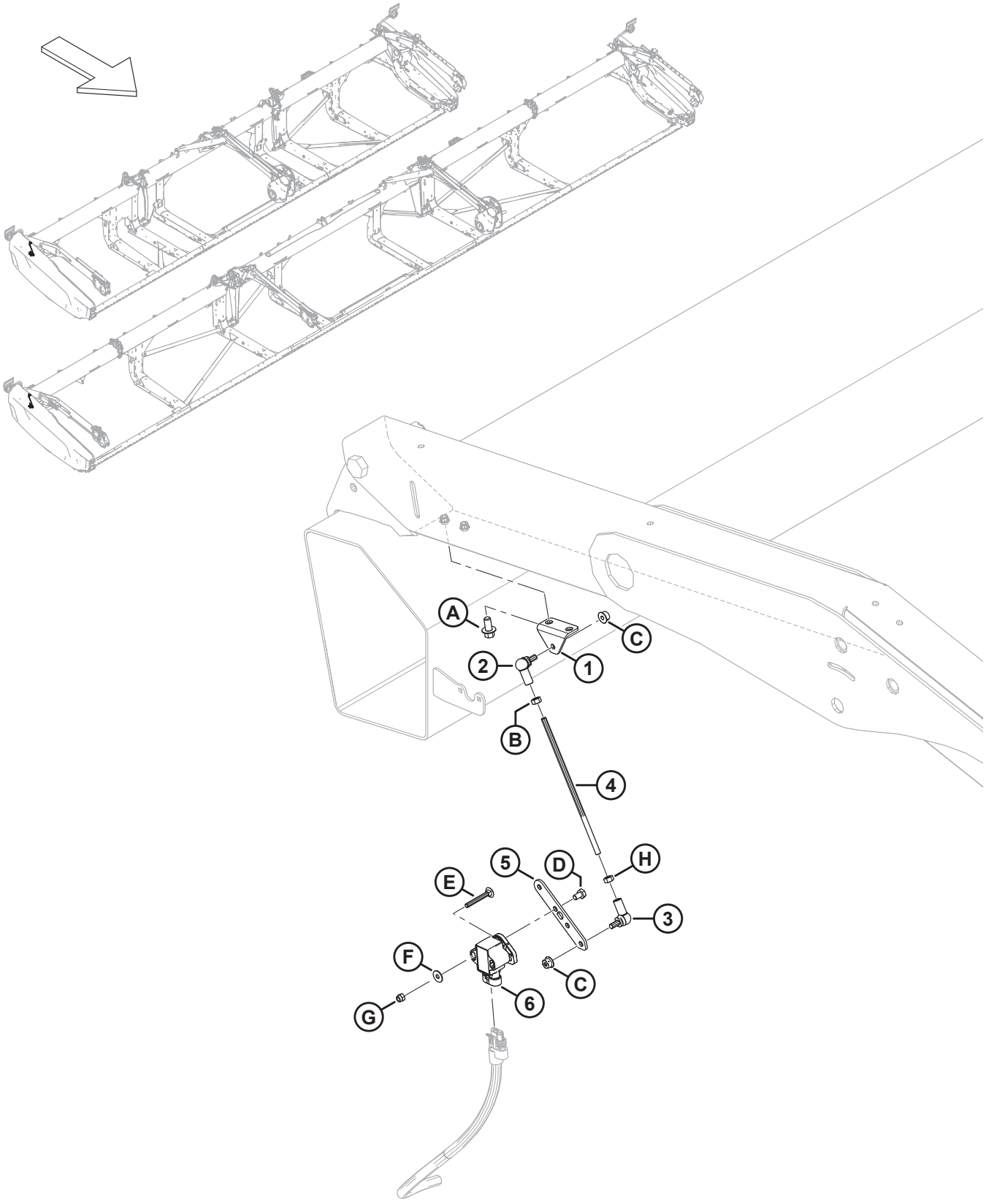
119 Electrical – Clearance Lights



Ref	Part Number	Description	Qty	Serial Number
1	313940	LIGHT – MARKER, AMBER	2	
2	313192	WELDT – CLEARANCE LIGHT	2	
3	313643	ASSY – COMBINE REFLECTOR [439]	2	
4	233912	BUSHING	2	
5	233914	ASSY – LH TUBE MOUNT [440]	1	
	233913	ASSY – RH TUBE MOUNT [440]	1	
6	313064	SPRING – COMPRESSION	2	
7	7642	PIN – SPRING 3/16 DIA X 1.5 LG	2	
A	320248	WASHER – FLAT		
B	50071	BOLT – HEX HD TFL M10 X 1.5 X 15-8.8-AA1J		
C	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

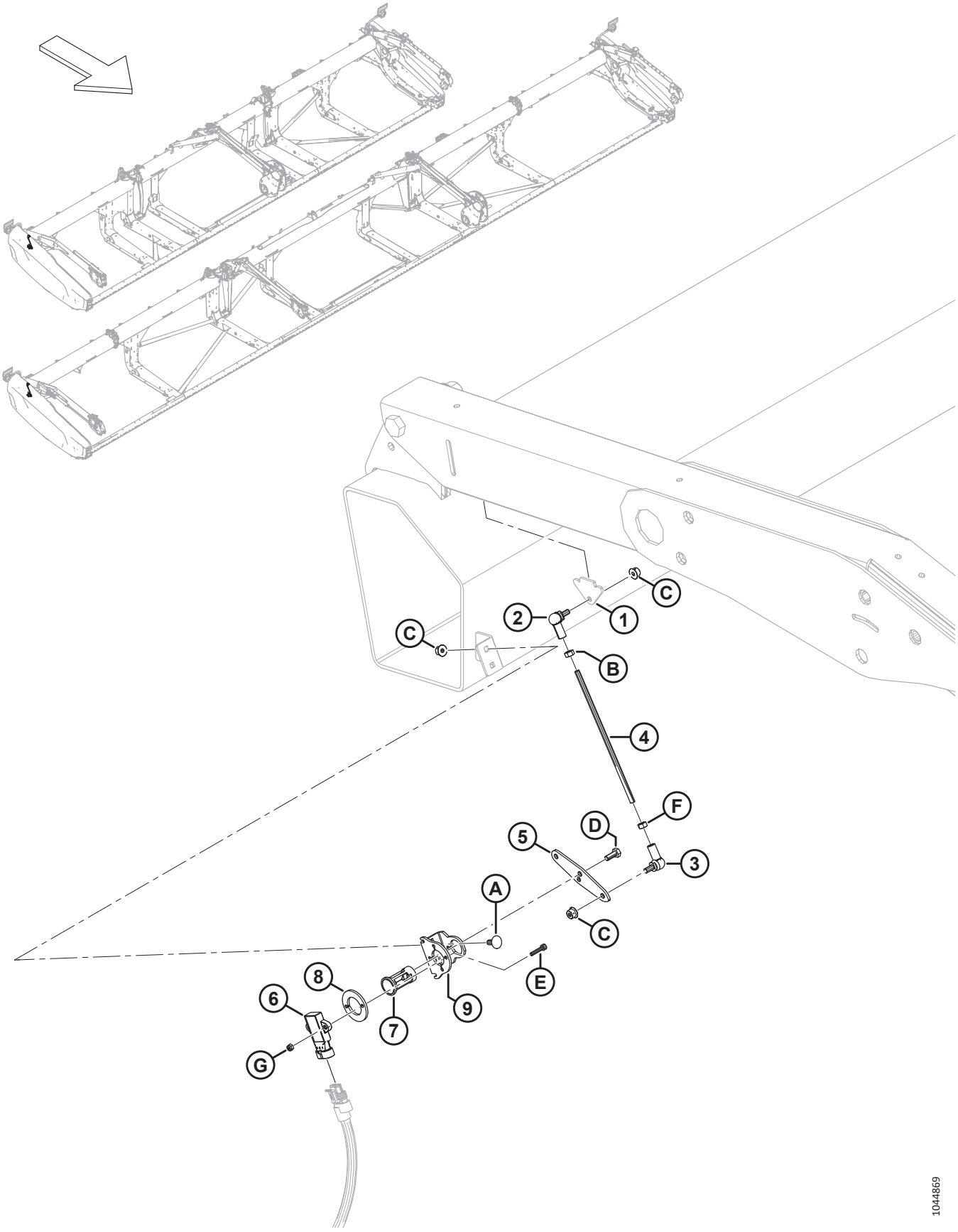
439. The reflector assembly includes two reflectors (MD #313730, MD #115146).
440. The tube mount assembly includes bushing (MD #233912).

120 Electrical – Reel Height Sensor (2024 and Prior)



Ref	Part Number	Description	Qty	Serial Number
1	251881	BRACKET **(SERVICE ONLY)**	1	**–521189**
2	291484	BALL JOINT – RH THREAD	1	**–521189**
3	291485	BALL JOINT – LH THREAD	1	**–521189**
4	232676	ROD – THREADED	1	**–521189**
5	251879	ARM – FLOAT SENSOR **(SERVICE ONLY)**	1	**–521189**
6	248643	ROTARY SENSOR – DUAL OUTPUT	1	**–521189**
A	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
B	184683	NUT – HEX ISO 4032 M6 X 1-8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
E	136604	BOLT – RHSN TFL M5 X 0.8 X 40-8.8-AA1J		
F	184701	WASHER – FLAT LARGE M5-200HV		
G	197230	NUT – HEX NYLOC M5 X 0.8-8-AA1J		
H	136613	NUT – HEX LH ISO 4032 M6 X 1-8 ZINC		

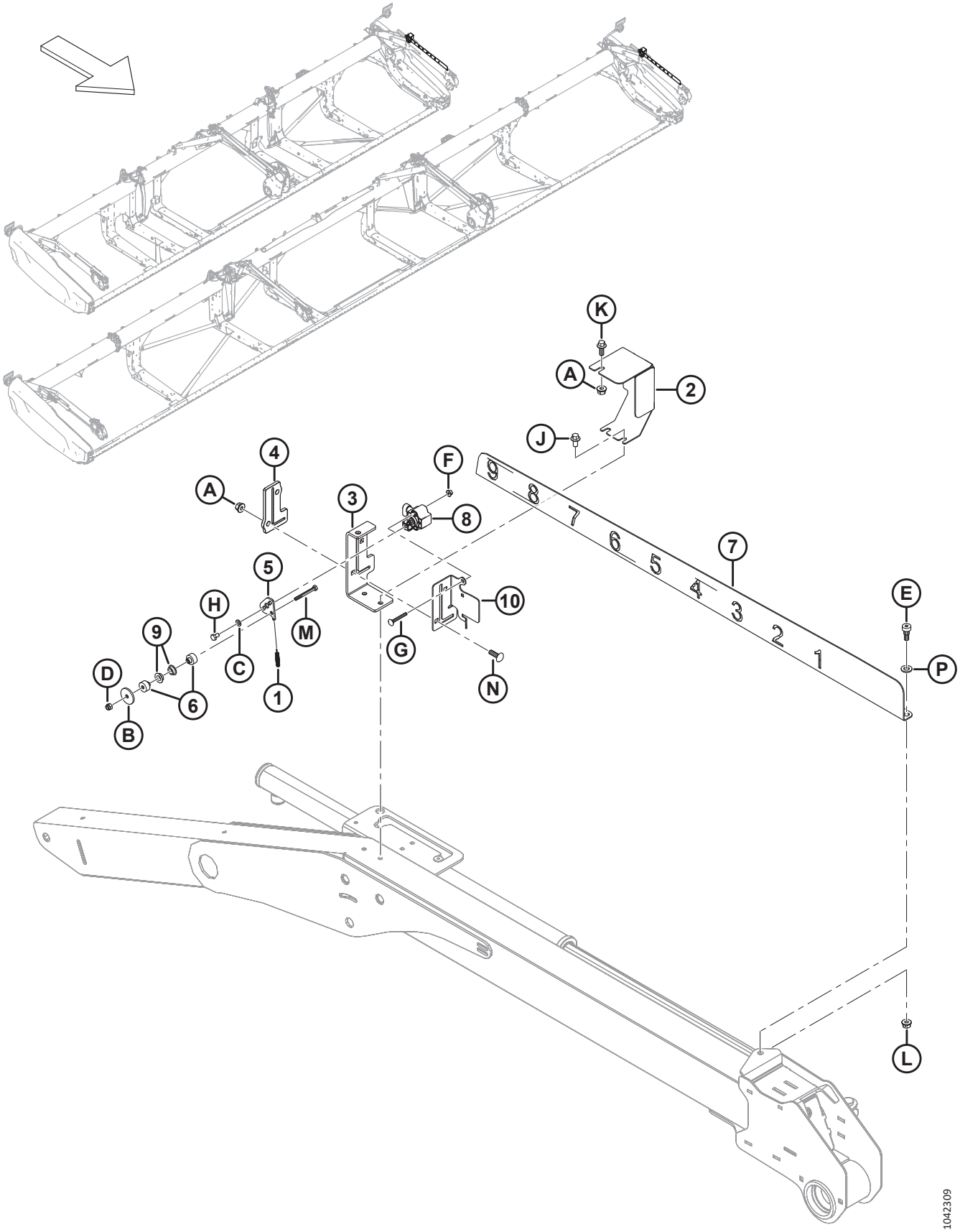
121 Electrical – Reel Height Sensor (2025 and Later)



Ref	Part Number	Description	Qty	Serial Number
1	NSS	PLATE – SENSOR MOUNT REEL LIFT [441]	1	521190–
2	291484	BALL JOINT – RH THREAD	1	521190–
3	291485	BALL JOINT – LH THREAD	1	521190–
4	232676	ROD – THREADED	1	521190–
5	368647	ARM – REEL HEIGHT SENSOR	1	521190–
6	500303	SENSOR – ROTARY DUAL CONTACTLESS	1	521190–
7	352163	ASSY – SENSOR PIVOT	1	521190–
8	352001	SPACER – SENSOR	1	521190–
9	340955	SUPPORT – SENSOR	1	521190–
A	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
B	184683	NUT – HEX ISO 4032 M6 X 1-8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	184642	BOLT – HEX HD TFL M6 X 1 X 16-8.8-AA1J		
E	320410	SCREW – HEX SOC HD M4 X 0.4 X 20-A2SS		
F	136613	NUT – HEX LH ISO 4032 M6 X 1-8 ZINC		
G	320390	NUT – HEX NYLOC M4 X 0.7-8-A2SS		

441. Not sold separately; welded to outer reel arm.

122 Electrical – Reel Fore-Aft Sensor (2023 and Prior)



NOTE:

Unless otherwise stated, the parts and hardware listed in this section are used to service units made in model year 2023 and prior.

NOTE:

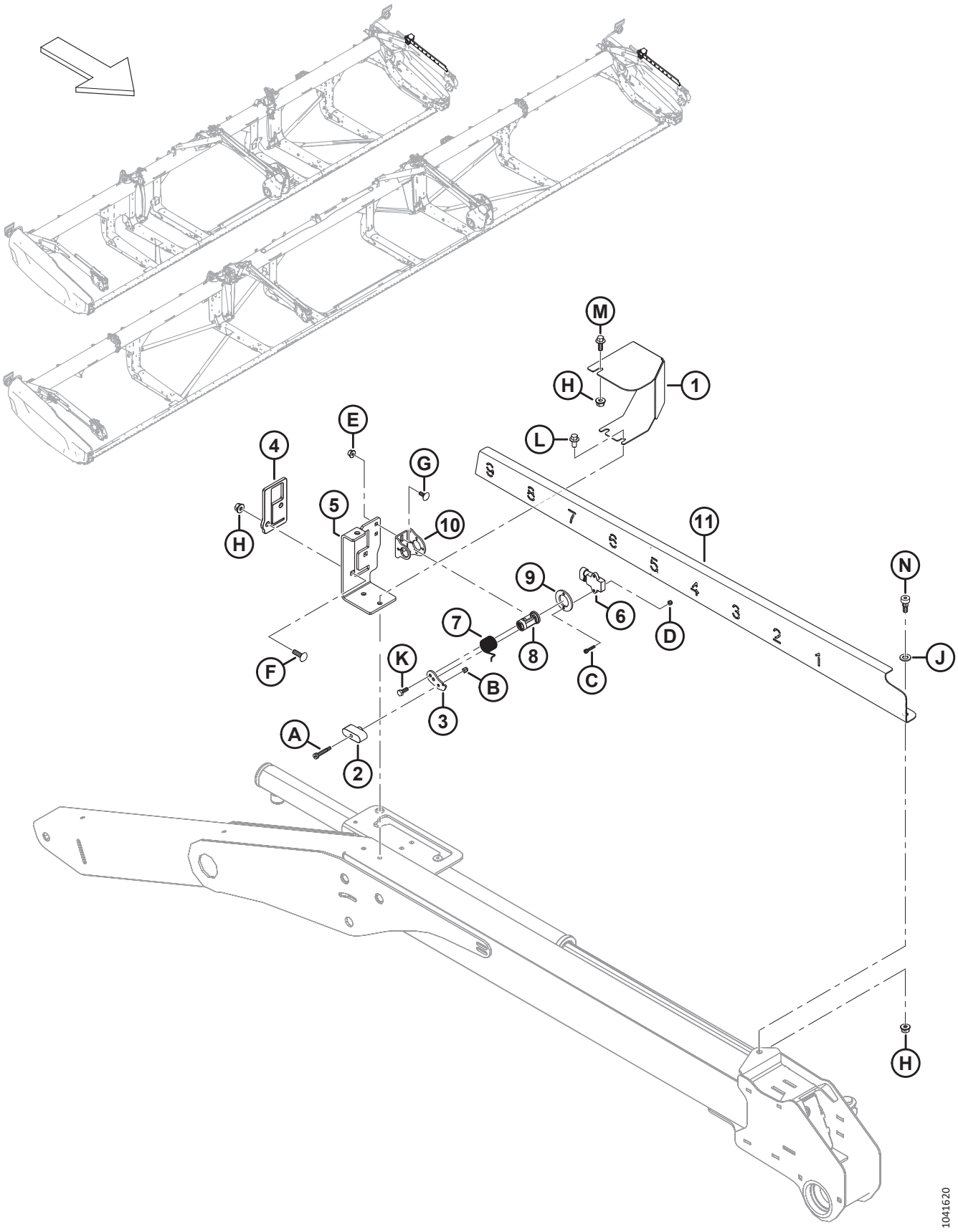
The Fore-Aft Sensor kit (MD #368338) is used to upgrade model year 2023 and prior units to the model year 2024 reel fore-aft sensor design. For service parts, refer to Section *123 Electrical – Reel Fore-Aft Sensor (2024 and Later), page 295*.

Ref	Part Number	Description	Qty	Serial Number
1	328556	SPRING – EXTENSION [442]	1	–486189
2	328547	COVER – F/A SENSOR [443]	1	–486189
3	340218	SUPPORT – REEL F/A INDICATOR [443]	1	–486189
4	311318	GUIDE – REEL F/A [443]	1	–486189
5	328539	ARM – F/A SENSOR [442]	1	–486189
6	328534	SPACER – SENSOR BUSHING [442]	2	–486189
7	323937	INDICATOR – REEL F/A [443]	1	–486189
8	248643	ROTARY SENSOR – DUAL OUTPUT	1	–486189
9	206340	BUSHING – SHOULDER, M10	2	–486189
10	340183	PLATE – SENSOR SUPPORT [443]	1	–486189
A	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
B	43219	WASHER – FLAT		
C	184705	WASHER – FLAT M6-200HV-AA1J		
D	184685	NUT – HEX NYLOC M6 X 1-8-AA1J		
E	135894	SCREW – HEX SOC HD SHLDR M10		
F	136635	NUT – HEX FLG CTR LOC M5 X 0.8-8-AA1J		
G	197229	BOLT – RHSN TFL M5 X 0.8 X 35-4.6-AA1J		
H	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
J	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
K	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
L	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
M	136595	BOLT – HEX HD M6 X 1 X 55-8.8		
N	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
P	184711	WASHER – FLAT REG M10-200HV-AA1J		

442. Service part only for model year 2023 and prior units.

443. Superseded by Reel Fore-Aft Sensor kit (MD #368338) for model year 2024. For service parts, refer to Section *123 Electrical – Reel Fore-Aft Sensor (2024 and Later), page 295*.

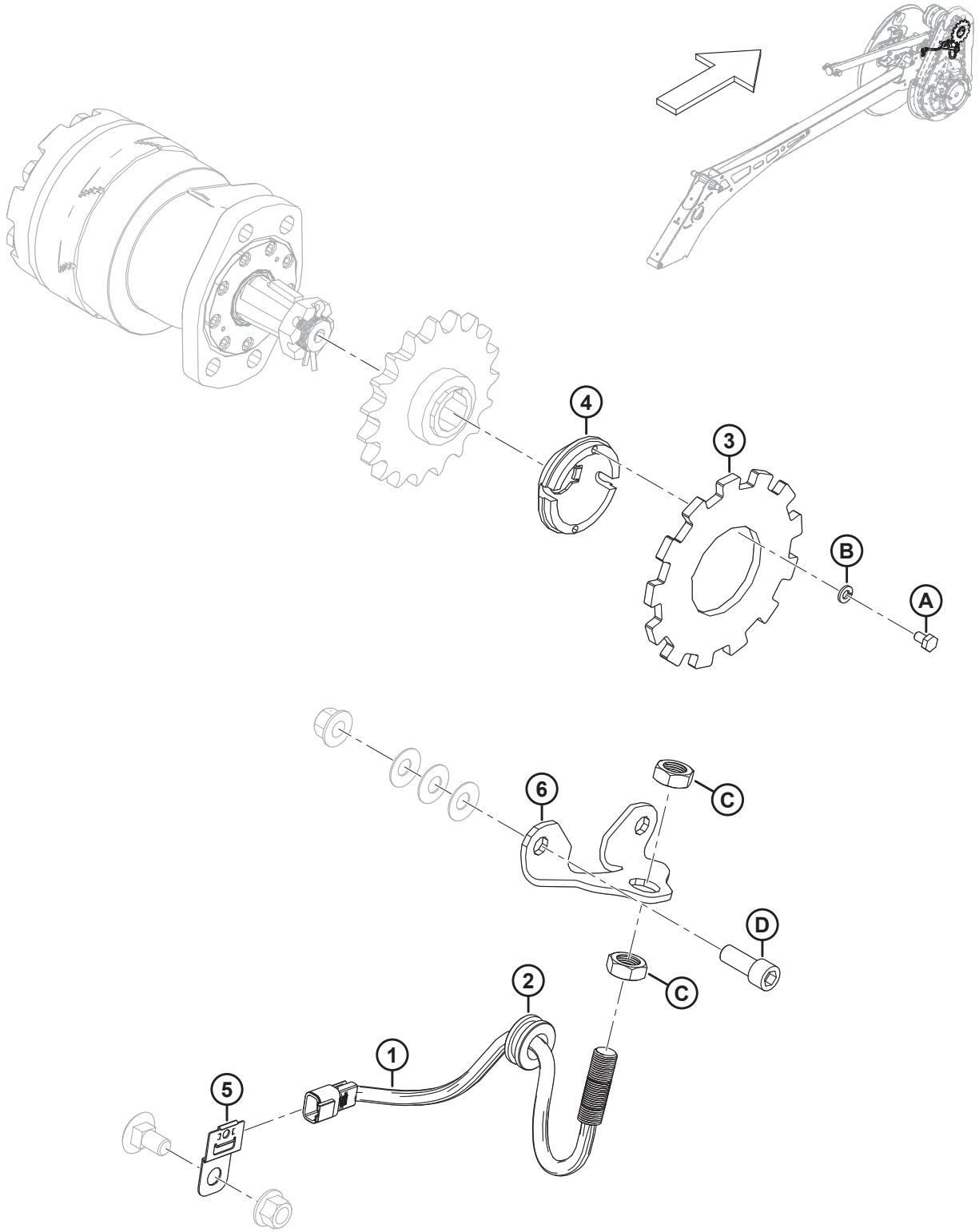
123 Electrical – Reel Fore-Aft Sensor (2024 and Later)



Ref	Part Number	Description	Qty	Serial Number
	368338	KIT – FORE AFT SENSOR [444]	A/R	
1	368239	COVER – FORE AFT SENSOR	1	486190–
2	360840	SLIDER – FORE/AFT	1	486190–
3	340956	ARM – SENSOR	1	486190–
4	360828	GUIDE – REEL F/A	1	486190–
5	360824	SUPPORT – REEL F/A INDICATOR	1	486190–
6	500303	SENSOR – ROTARY DUAL CONTACTLESS	1	486190–
7	360212	SPRING – TORSION	1	486190–
8	352163	ASSY – SENSOR PIVOT	1	486190–
9	352001	SPACER – SENSOR	1	486190–
10	340955	SUPPORT – SENSOR	1	486190–
11	360823	INDICATOR – REEL F/A	1	486190–
A	320409	SCREW – HEX SOC HD SHLDR 6 X 25-M5 X 0.8 X 9.5-12.9-ZINC		
B	197230	NUT – HEX NYLOC M5 X 0.8-8-AA1J		
C	320410	SCREW – HEX SOC HD M4 X 0.7 X 20-A2SS		
D	320390	NUT – HEX NYLOC M4 X 0.7-8-A2-SS		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
G	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	184711	WASHER – FLAT REG M10-200HV-AA1J		
K	184642	BOLT – HEX HD TFL M6 X 1 X 16-8.8-AA1J		
L	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
M	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
N	135894	SCREW – HEX SOC HD SHLDR M10		

444. The Fore-Aft Sensor kit (MD #368338) is used to upgrade model year 2023 and prior units to the model year 2024 reel fore-aft sensor design. The kit includes all parts and hardware listed in this section, and instructions.

124 Electrical – Reel Speed Sensor, AGCO and CLAAS



1044803

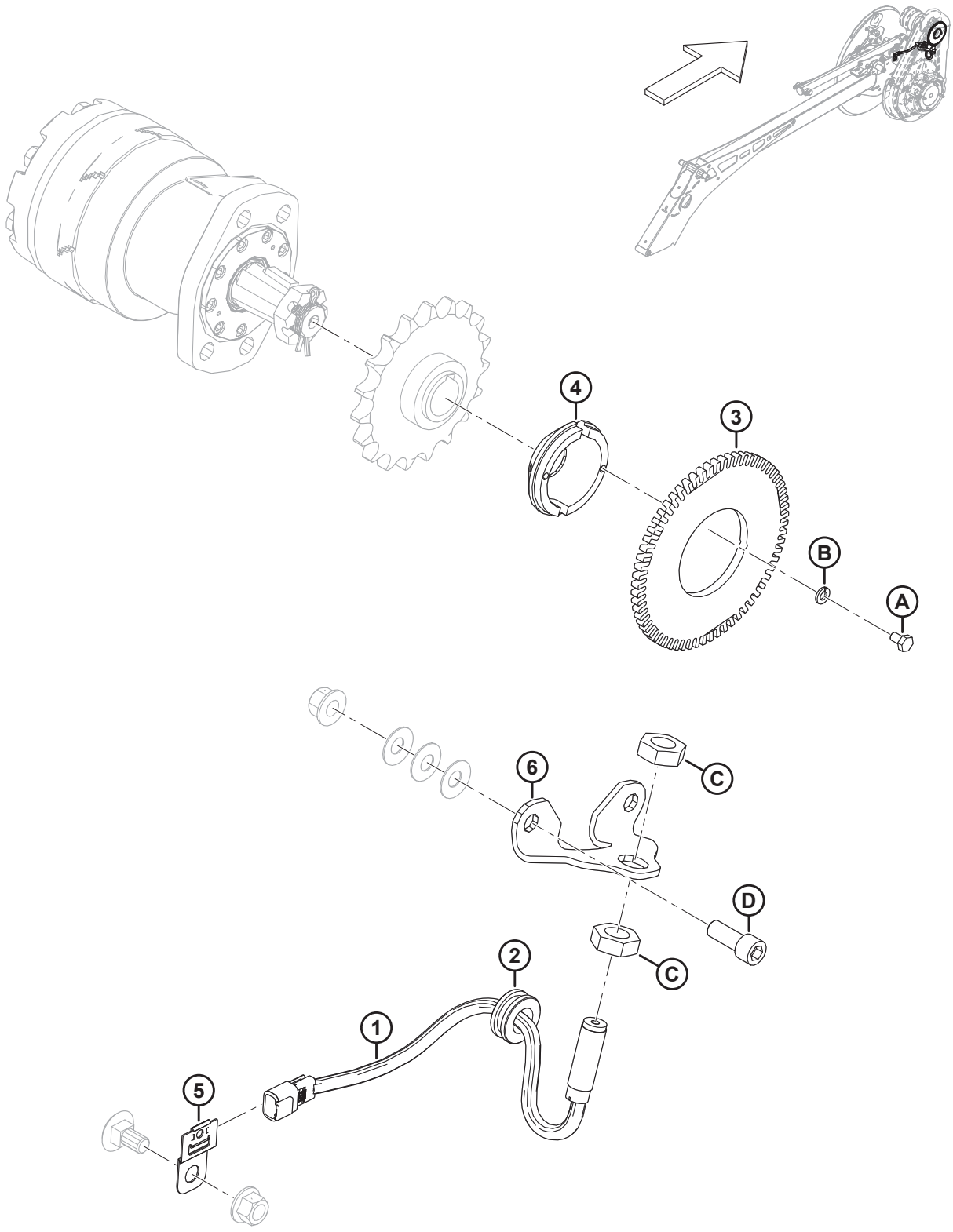
NOTE:

13-tooth reel speed sensor option (B7065) shown; 65-tooth reel speed sensor option (B7064) is similar.

Ref	Part Number	Description	Qty	Serial Number
	B7065	KIT – REEL SPEED SENSOR 13T [445]		
	B7064	KIT – REEL SPEED SENSOR 65T [446]		
1	136167	SENSOR – SPEED [447]	1	
	328329	SENSOR – SPEED MODIFIED [448]	1	
2	273032	GROMMET – 3/4 IN. I.D. 1-3/8 IN. O.D.	1	
3	228473	DISC – 13T REEL SPEED SENSOR [449]	1	
	228471	DISC – 65T REEL SPEED SENSOR [450]	1	
4	228470	HUB – SENSOR	1	
5	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
6	**378578**	**SUPPORT – REEL SPEED SENSOR**	**1**	
A	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
B	30631	WASHER – LOCK SPRING M6		
C	7674	NUT – HEX JAM 3/4-16 UNF GR5 AA1J		
D	**50154**	**SCREW – HEX SOC HD TFL M12 X 1.75 X 30-8.8-AA1J**		

445. 13-Tooth Reel Speed Sensor kit (B7065) is used for CLAAS combines, and Challenger®, Massey Ferguson®, and IDEAL™ Series combines only. Kits are available through Whole Goods only.
446. 65-Tooth Reel Speed Sensor kit (B7064) is used for Gleaner® Combines only. Kits are available through Whole Goods only.
447. Speed sensor (MD #136167) is used in 13-Tooth Reel Speed Sensor kit (B7065). The speed sensor includes two hex jam nuts (NSS).
448. Speed sensor (MD #328329) is used in 65-Tooth Reel Speed Sensor kit (B7064).
449. 13-tooth disc (MD #228473) is used in 13-Tooth Reel Speed Sensor kit (B7065).
450. 65-tooth disc (MD #228471) is used in 65-Tooth Reel Speed Sensor kit (B7064).

125 Electrical – Reel Speed Sensor, John Deere



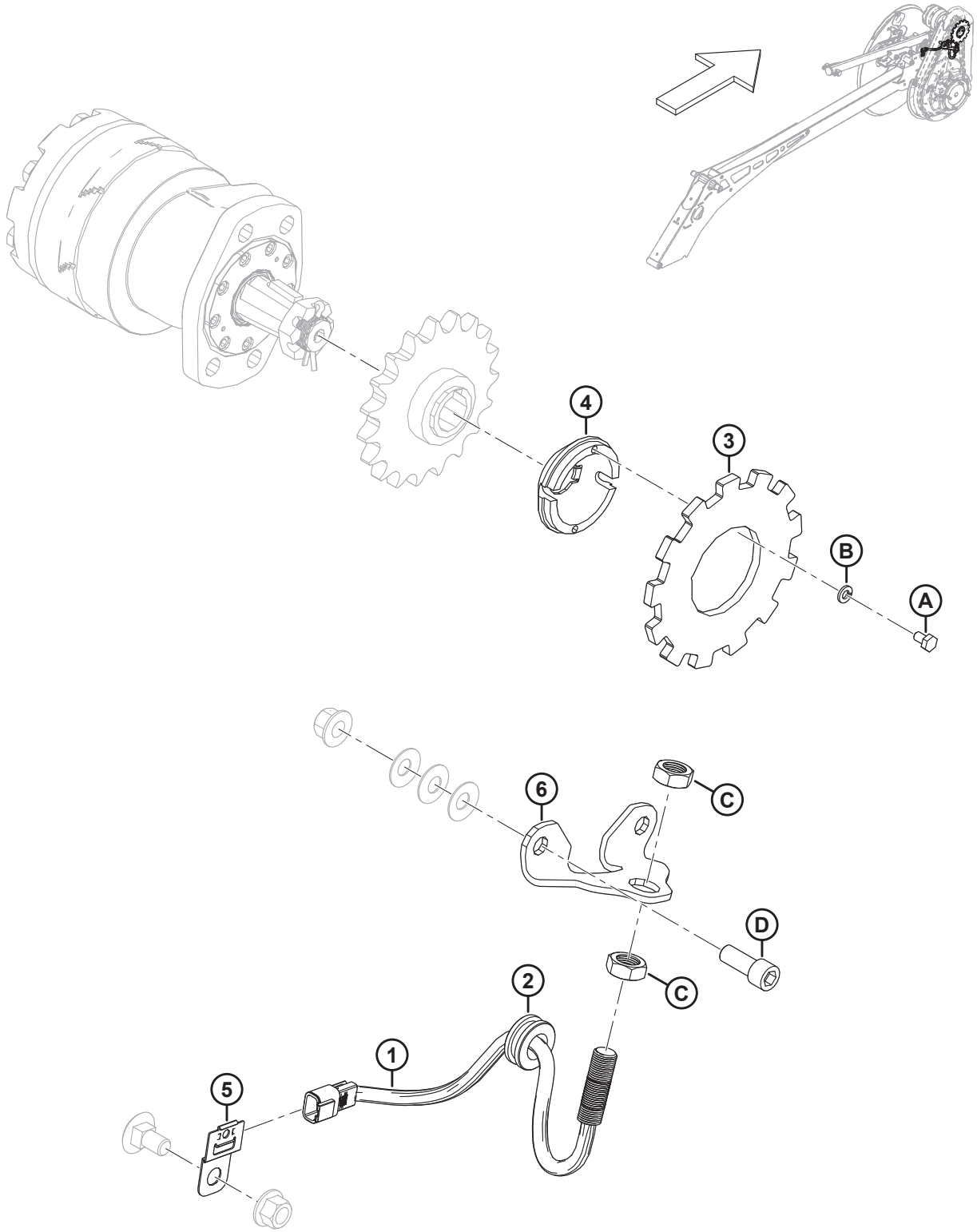
NOTE:

65-tooth reel speed sensor option (B7064) shown; 13-tooth reel speed sensor option (B7065) is similar.

Ref	Part Number	Description	Qty	Serial Number
	B7064	KIT – REEL SPEED SENSOR 65T [451]		
	B7065	KIT – REEL SPEED SENSOR 13T [452]		
1	328329	SENSOR – SPEED MODIFIED [453]	1	
	136167	SENSOR – SPEED [454]	1	
2	273032	GROMMET – 3/4 IN. I.D. 1-3/8 IN. O.D.	1	
3	228471	DISC – 65T REEL SPEED SENSOR [455]	1	
	228473	DISC – 13T REEL SPEED SENSOR [456]	1	
4	228470	HUB – SENSOR	1	
5	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
6	**378578**	**SUPPORT – REEL SPEED SENSOR**	**1**	
A	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
B	30631	WASHER – LOCK SPRING M6		
C	7674	NUT – HEX JAM 3/4-16 UNF GR5 AA1J		
D	**50154**	**SCREW – HEX SOC HD TFL M12 X 1.75 X 30-8.8-AA1J**		

451. 65-Tooth Reel Speed Sensor kit (B7064) is used for John Deere S and T Series combines only. Kits are available through Whole Goods only.
452. 13-Tooth Reel Speed Sensor kit (B7065) is used for John Deere X9 and S7 Series combines only. Kits are available through Whole Goods only.
453. Speed sensor (MD #328329) is used in 65-Tooth Reel Speed Sensor kit (B7064).
454. Speed sensor (MD #136167) is used in 13-Tooth Reel Speed Sensor kit (B7065). The speed sensor includes two hex jam nuts (NSS).
455. 65-tooth disc (MD #228471) is used in 65-Tooth Reel Speed Sensor kit (B7064).
456. 13-tooth disc (MD #228473) is used in 13-Tooth Reel Speed Sensor kit (B7065).

126 Electrical – Reel Speed Sensor, Rostselmash

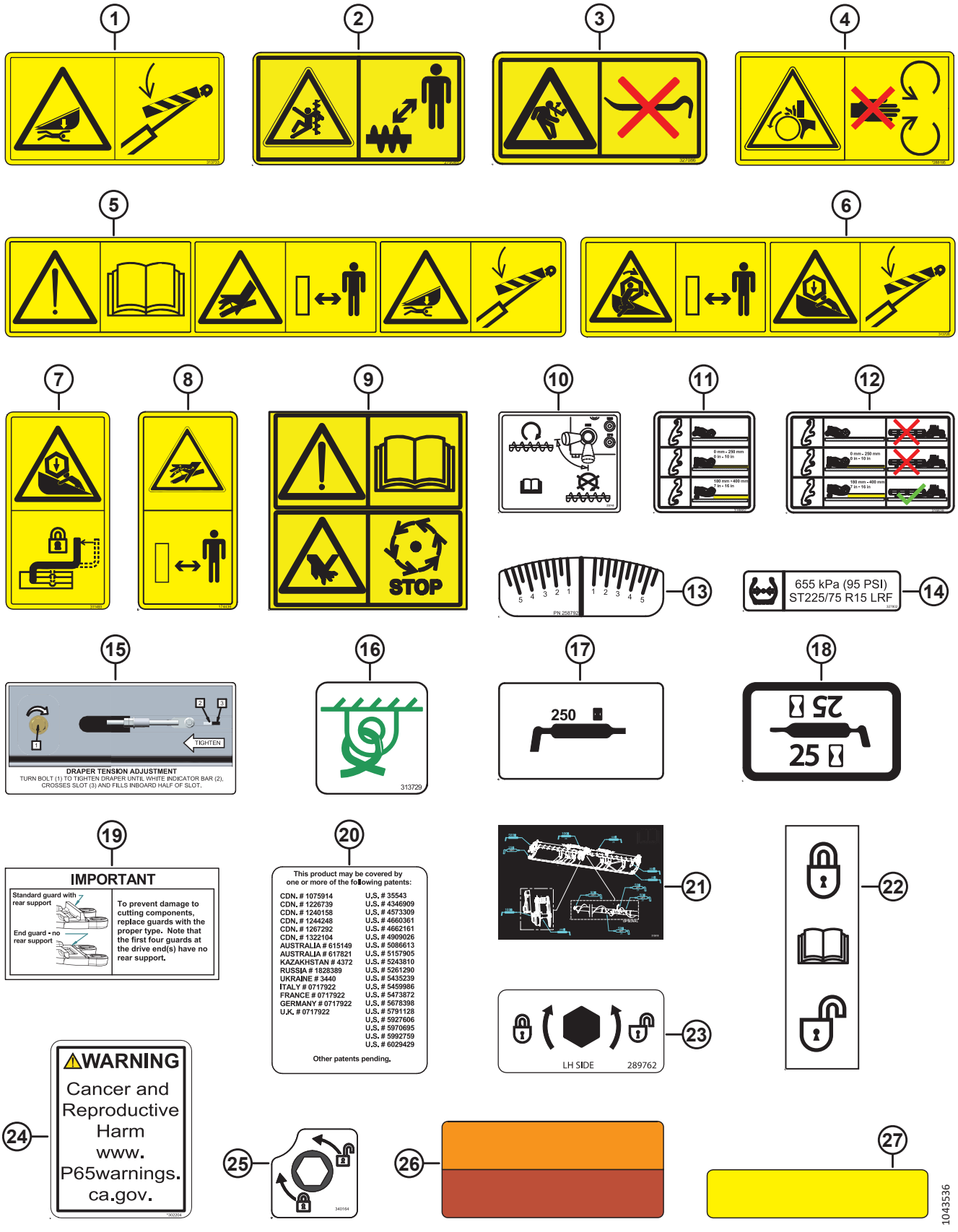


1044810

Ref	Part Number	Description	Qty	Serial Number
	B7408	KIT – REEL SPEED SENSOR SPCL 13T [457]		
1	328329	SENSOR – SPEED MODIFIED	1	
2	273032	GROMMET – 3/4 IN. I.D. 1-3/8 IN. O.D.	1	
3	228473	DISC – 13T REEL SPEED SENSOR	1	
4	228470	HUB – SENSOR	1	
5	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
6	**378578**	**SUPPORT – REEL SPEED SENSOR**	**1**	
A	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
B	30631	WASHER – LOCK SPRING M6		
C	7674	NUT – HEX JAM 3/4-16 UNF GR5 AA1J		
D	**50154**	**SCREW – HEX SOC HD TFL M12 X 1.75 X 30-8.8-AA1J**		

457. Kits are available through Whole Goods only.

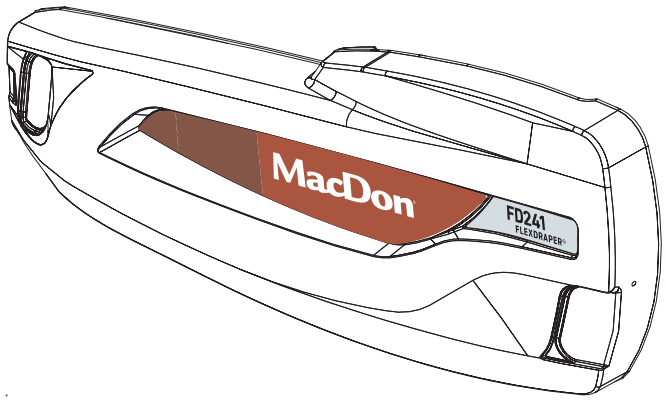
127 Decals and Reflectors – FD2 Series



Ref	Part Number	Description	Qty	Serial Number
1	313733	DECAL – HEADER HAZARD		
2	279085	DECAL – WARNING, AUGER		
3	327086	DECAL – ENERGY RELEASE		
4	288195	DECAL – ROTATING PART		
5	313725	DECAL – MANUAL/HPF/HAZARD		
6	360541	DECAL – REEL ENTANGLEMENT/HAZARD		
7	311493	DECAL – CENTER REEL PROP LOCK		
8	174436	DECAL – HIGH PRESSURE FLUID		
9	313881	DECAL – VERTICAL KNIFE HAZARD		
10	233745	DECAL – UCA VALVE		
11	316662	DECAL – HEIGHT SETTING [458]		
12	316639	DECAL – HEIGHT SETTING, RH		
	316649	DECAL – HEIGHT SETTING, LH		
13	258792	DECAL – FLEX CHECKER		
14	327802	DECAL – TIRE PRESSURE, 655 KPA (95 PSI) [459]		
	327717	DECAL – TIRE PRESSURE, 552 KPA (80 PSI) [460]		
15	279528	DECAL – RH DRAPER TENSION		
	220084	DECAL – LH DRAPER TENSION		
16	313729	DECAL – TIE DOWN		
17	323516	DECAL – GREASE (250 HRS)		
18	23164	DECAL – 25 HR LUBE		
	23165	DECAL – 50 HR LUBE		
	115759	DECAL – GREASE 100 HR		
19	129313	DECAL – IMPORTANT: GUARDS		
20	32070	DECAL – PATENT NUMBER		
21	313510	DECAL – GREASE, FLX, DR, 2PC AUGER		
	313920	DECAL – GREASE, FLX, TR, 3PC AUGER		
22	165218	DECAL – WING LOCKOUT		
23	289762	DECAL – DIVIDER LATCH-LH		
	289763	DECAL – DIVIDER LATCH-RH		
24	302204	DECAL – CA PROPOSITION 65		
25	340164	DECAL – CAM LATCH		
26	313787	REFLECTOR – RED/ORANGE, 230 MM [461]		
	313730	REFLECTOR – RED/ORANGE, 230 MM (CLEARANCE LIGHTS) [462]		
27	115146	REFLECTOR – AMBER, 230 MM		
	273440	REFLECTOR – AMBER, 655 MM (8 IN. CENTER TUBE) [463]		
	165524	REFLECTOR – RED, 230 MM [464]		

458. The decal is used for the stabilizer wheels option.
459. Tire pressure decal MD #327802 (655 kPa [95 psi]) is used with tire MD #327808.
460. Tire pressure decal MD #327717 (552 kPa [80 psi]) remains available as a service part for superseded tire MD #230483.
461. The reflector is used for plastic/PVC surfaces.
462. The reflector is used for metal surfaces.
463. The reflector is used on the reel center tubes.
464. The reflector is used on the right header endshield.

128 Decals – Product Identification



10

FFT FLEX-FLOAT TECHNOLOGY™

1

MacDon®

2

FD225 FLEXDRAPER®

3

FD230 FLEXDRAPER®

4

FD235 FLEXDRAPER®

5

FD240 FLEXDRAPER®

6

FD241 FLEXDRAPER®

7

FD245 FLEXDRAPER®

8

FD250 FLEXDRAPER®

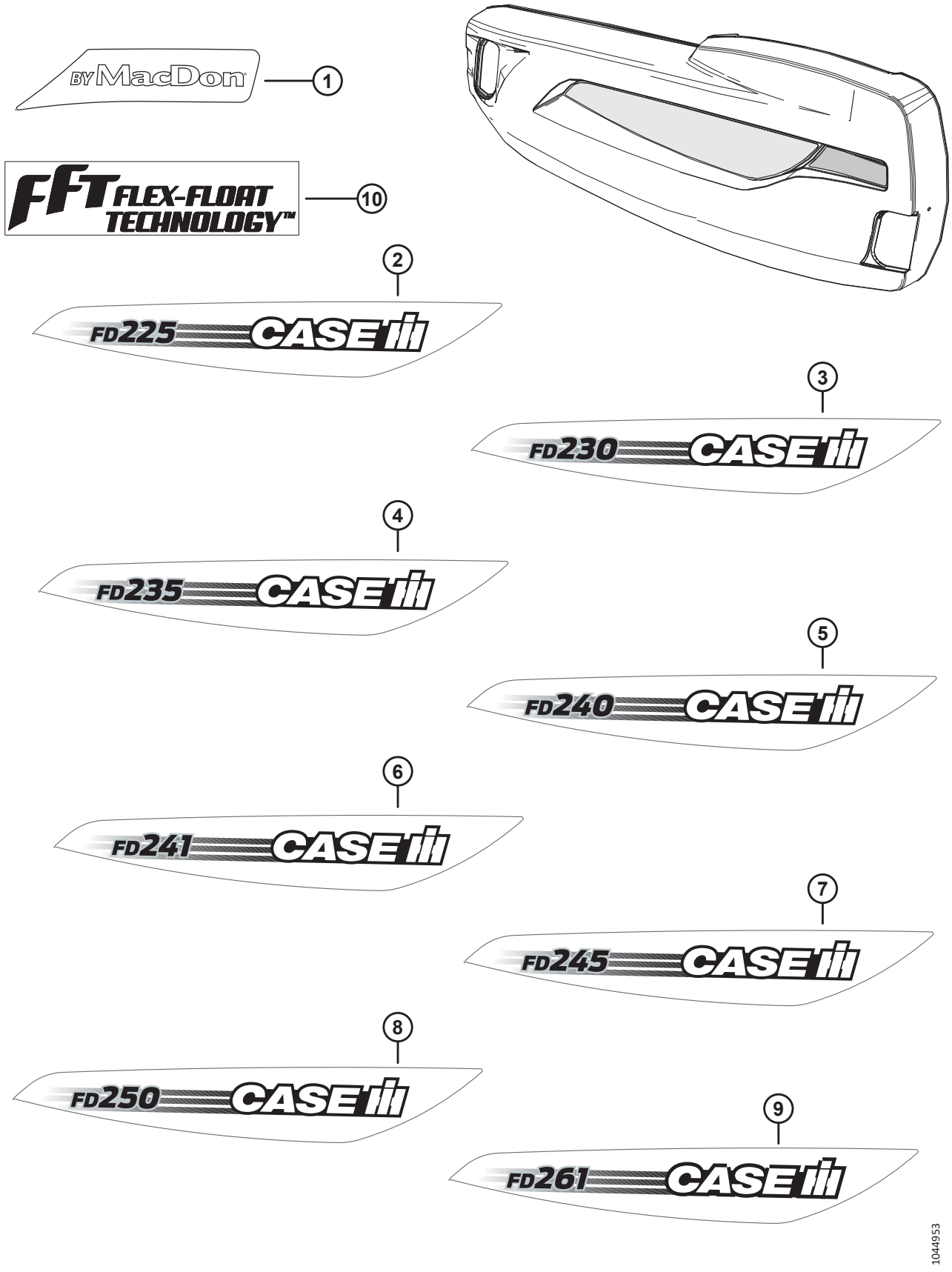
9

FD261 FLEXDRAPER®

1044946

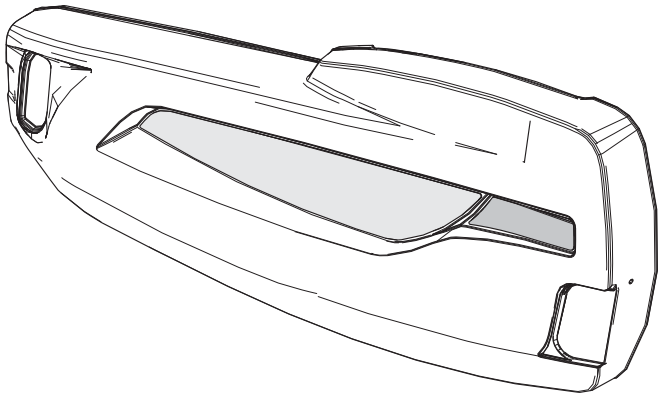
Ref	Part Number	Description	Qty	Serial Number
1	313421	DECAL – MACDON RED, LH	1	
	313422	DECAL – MACDON RED, RH	1	
	313554	DECAL – MACDON GREEN, LH	1	
	313555	DECAL – MACDON GREEN, RH	1	
	313580	DECAL – MACDON YELLOW, LH	1	
	313581	DECAL – MACDON YELLOW, RH	1	
	313574	DECAL – MACDON GREY, LH	1	
	313575	DECAL – MACDON GREY, RH	1	
2	340304	DECAL – FD225 MODEL NUMBER, LH	1	
	340305	DECAL – FD225 MODEL NUMBER, RH	1	
3	313541	DECAL – FD230 MODEL NUMBER, LH	1	
	313542	DECAL – FD230 MODEL NUMBER, RH	1	
4	313543	DECAL – FD235 MODEL NUMBER, LH	1	
	313544	DECAL – FD235 MODEL NUMBER, RH	1	
5	313545	DECAL – FD240 MODEL NUMBER, LH	1	
	313546	DECAL – FD240 MODEL NUMBER, RH	1	
6	313547	DECAL – FD241 MODEL NUMBER, LH	1	
	313548	DECAL – FD241 MODEL NUMBER, RH	1	
7	313549	DECAL – FD245 MODEL NUMBER, LH	1	
	313550	DECAL – FD245 MODEL NUMBER, RH	1	
8	313551	DECAL – FD250 MODEL NUMBER, LH	1	
	313552	DECAL – FD250 MODEL NUMBER, RH	1	
9	**261221**	**DECAL – FD261 MODEL NUMBER, LH**	**1**	
	261222	**DECAL – FD261 MODEL NUMBER, RH**	**1**	
10	245093	DECAL – FFT (FLEX-FLOAT TECHNOLOGY)	1	

129 Decals – Product Identification, Case IH



Ref	Part Number	Description	Qty	Serial Number
1	368422	DECAL – BY MACDON CIH CLEAR, LH [465]	1	
	368423	DECAL – BY MACDON CIH CLEAR, RH [466]	1	
2	368398	DECAL – FD225 CIH, LH [467]	1	
	368399	DECAL – FD225 CIH, RH [468]	1	
3	368400	DECAL – FD230 CIH, LH [469]	1	
	368401	DECAL – FD230 CIH, RH [470]	1	
4	368402	DECAL – FD235 CIH, LH [471]	1	
	368403	DECAL – FD235 CIH, RH [472]	1	
5	368404	DECAL – FD240 CIH, LH [473]	1	
	368405	DECAL – FD240 CIH, RH [474]	1	
6	368406	DECAL – FD241 CIH, LH [475]	1	
	368407	DECAL – FD241 CIH, RH [476]	1	
7	368408	DECAL – FD245 CIH, LH [477]	1	
	368409	DECAL – FD245 CIH, RH [478]	1	
8	368410	DECAL – FD250 CIH, LH [479]	1	
	368411	DECAL – FD250 CIH, RH [480]	1	

465. Left CIH red decal MD #360419 superseded by left CIH clear decal MD #368422. Order decal MD #360419 until stock is depleted, then order decal MD #368422.
466. Right CIH red decal MD #360420 superseded by right CIH clear decal MD #368423. Order decal MD #360420 until stock is depleted, then order decal MD #368423.
467. Left FD225 CIH decal MD #360391 superseded by left FD225 CIH decal MD #368398. Order decal MD #360391 until stock is depleted, then order decal MD #368398.
468. Right FD225 CIH decal MD #360392 superseded by right FD225 CIH decal MD #368399. Order decal MD #360392 until stock is depleted, then order decal MD #368399.
469. Left FD230 CIH decal MD #360393 superseded by left FD230 CIH decal MD #368400. Order decal MD #360393 until stock is depleted, then order decal MD #368400.
470. Right FD230 CIH decal MD #360394 superseded by right FD230 CIH decal MD #368401. Order decal MD #360394 until stock is depleted, then order decal MD #368401.
471. Left FD235 CIH decal MD #360395 superseded by left FD235 CIH decal MD #368402. Order decal MD #360395 until stock is depleted, then order decal MD #368402.
472. Right FD235 CIH decal MD #360396 superseded by right FD235 CIH decal MD #368403. Order decal MD #360396 until stock is depleted, then order decal MD #368403.
473. Left FD240 CIH decal MD #360397 superseded by left FD240 CIH decal MD #368404. Order decal MD #360397 until stock is depleted, then order decal MD #368404.
474. Right FD240 CIH decal MD #360398 superseded by right FD240 CIH decal MD #368405. Order decal MD #360398 until stock is depleted, then order decal MD #368405.
475. Left FD241 CIH decal MD #360399 superseded by left FD241 CIH decal MD #368406. Order decal MD #360399 until stock is depleted, then order decal MD #368406.
476. Right FD241 CIH decal MD #360400 superseded by right FD241 CIH decal MD #368407. Order decal MD #360400 until stock is depleted, then order decal MD #368407.
477. Left FD245 CIH decal MD #360401 superseded by left FD245 CIH decal MD #368408. Order decal MD #360401 until stock is depleted, then order decal MD #368408.
478. Right FD245 CIH decal MD #360402 superseded by right FD245 CIH decal MD #368409. Order decal MD #360402 until stock is depleted, then order decal MD #368409.
479. Left FD250 CIH decal MD #360403 superseded by left FD250 CIH decal MD #368410. Order decal MD #360403 until stock is depleted, then order decal MD #368410.
480. Right FD250 CIH decal MD #360404 superseded by right FD250 CIH decal MD #368411. Order decal MD #360404 until stock is depleted, then order decal MD #368411.



1 BY MacDon

10 FFT FLEX-FLOAT TECHNOLOGY™

2 FD225 CASE IH

3 FD230 CASE IH

4 FD235 CASE IH

5 FD240 CASE IH

6 FD241 CASE IH

7 FD245 CASE IH

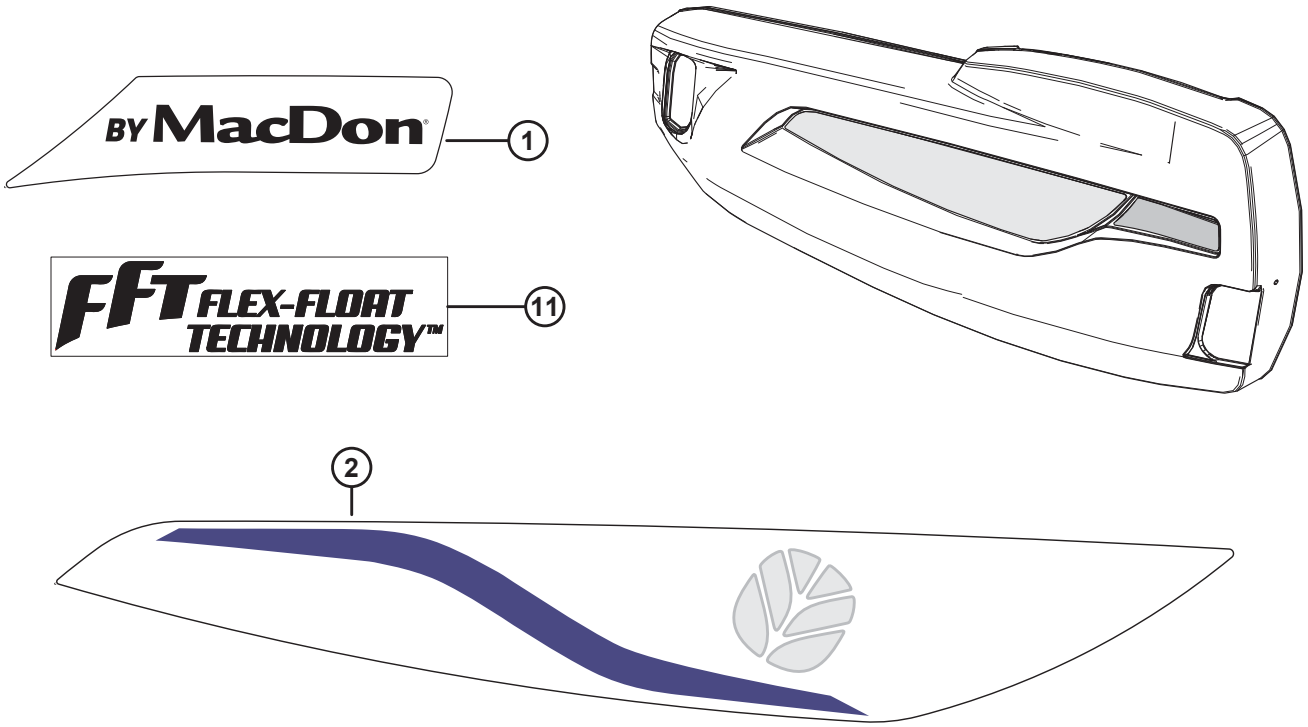
8 FD250 CASE IH

9 FD261 CASE IH

1044953

Ref	Part Number	Description	Qty	Serial Number
9	**368439**	**DECAL – FD261 CIH, LH**	**1**	
	368440	**DECAL – FD261 CIH, RH**	**1**	
10	245093	DECAL – FFT (FLEX-FLOAT TECHNOLOGY)	1	

130 Decals – Product Identification, New Holland



1044955

Ref	Part Number	Description	Qty	Serial Number
1	368424	DECAL – BY MACDON NH CLEAR, LH [481]	1	
	368425	DECAL – BY MACDON NH CLEAR, RH [482]	1	
2	368386	DECAL – NH, LH [483]	1	
	368394	DECAL – NH, RH [484]	1	
3	360405	DECAL – FD225 NH MODEL NBR	1	
4	360406	DECAL – FD230 NH MODEL NBR	1	
5	360407	DECAL – FD235 NH MODEL NBR	1	
6	360408	DECAL – FD240 NH MODEL NBR	1	
7	360409	DECAL – FD241 NH MODEL NBR	1	
8	360410	DECAL – FD245 NH MODEL NBR	1	
9	360411	DECAL – FD250 NH MODEL NBR	1	
10	**368441**	**DECAL – FD261 NH MODEL NBR**	**1**	
11	245093	DECAL – FFT (FLEX-FLOAT TECHNOLOGY)	1	

481. Left NH yellow decal MD #360421 superseded by left NH clear decal MD #368424. Order decal MD #360421 until stock is depleted, then order decal MD #368424.
482. Right NH yellow decal MD #360422 superseded by right NH clear decal MD #368425. Order decal MD #360422 until stock is depleted, then order decal MD #368425.
483. Left NH yellow decal MD #360446 superseded by left NH decal MD #368386. Order decal MD #360446 until stock is depleted, then order decal MD #368386.
484. Right NH yellow decal MD #360447 superseded by right NH decal MD #368394. Order decal MD #360447 until stock is depleted, then order decal MD #368394.

131 Decals – French

1

2

3

4

1036707

DECALS – FRENCH

Ref	Part Number	Description	Qty	Serial Number
1	340049	DECAL – OIL, IMPORTANT, FRENCH		
2	245433	DECAL – IMPORTANT: GUARDS, FRENCH		
3	245432	DECAL – RH DRAPER TENSION, FRENCH		
4	245428	DECAL – LH DRAPER TENSION, FRENCH		

132 Decals – Portuguese

1

2

3

4

1036719

DECALS – PORTUGUESE

Ref	Part Number	Description	Qty	Serial Number
1	340051	DECAL – OIL, IMPORTANT, PORTUGUESE		
2	220817	DECAL – IMPORTANT: GUARDS, PORTUGUESE		
3	220836	DECAL – RH DRAPER TENSION, PORTUGUESE		
4	220824	DECAL – LH DRAPER TENSION, PORTUGUESE		

133 Decals – Russian

РЕГУЛИРОВКА НАТЯЖЕНИЯ ПОЛОТНА
ПОВОРАЧИВАЙТЕ БОЛТ (1) ДЛЯ НАТЯЖЕНИЯ ПОЛОТНА ПОКА БЕЛЫЙ ИНДИКАТОР (2), НЕ ПЕРЕМЕСТИТСЯ В СЕРЕДИНУ ПРОРЕЗИ (3) С ВНУТРЕННЕЙ СТОРОНЫ

РЕГУЛИРОВКА НАТЯЖЕНИЯ ПОЛОТНА
ПОВОРАЧИВАЙТЕ БОЛТ (1) ДЛЯ НАТЯЖЕНИЯ ПОЛОТНА ПОКА БЕЛЫЙ ИНДИКАТОР (2), НЕ ПЕРЕМЕСТИТСЯ В СЕРЕДИНУ ПРОРЕЗИ (3) С ВНУТРЕННЕЙ СТОРОНЫ

1036727

DECALS – RUSSIAN

Ref	Part Number	Description	Qty	Serial Number
1	340052	DECAL – OIL, IMPORTANT, RUSSIAN		
2	220832	DECAL – IMPORTANT: GUARDS, RUSSIAN		
3	220834	DECAL – RH DRAPER TENSION, RUSSIAN		
4	220831	DECAL – LH DRAPER TENSION, RUSSIAN		

134 Decals – Spanish

1

2

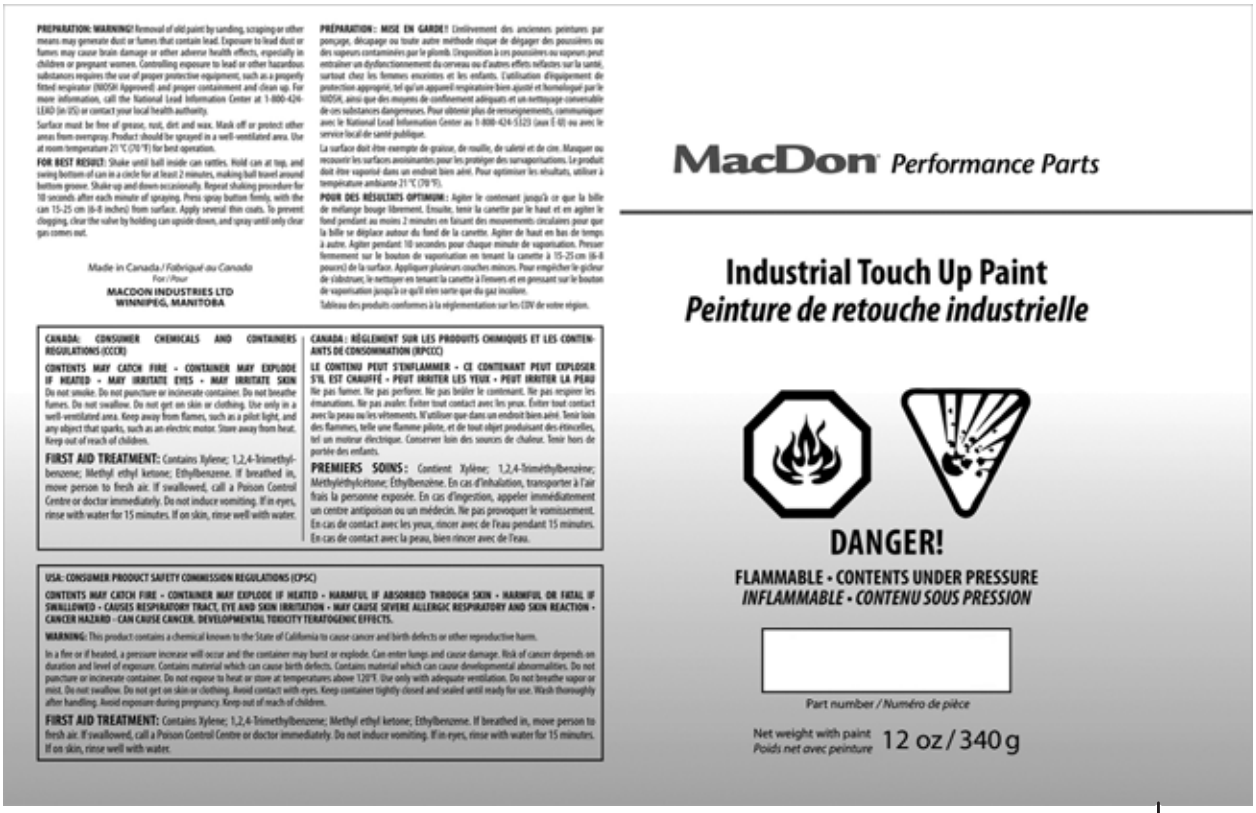
3

4

1036716

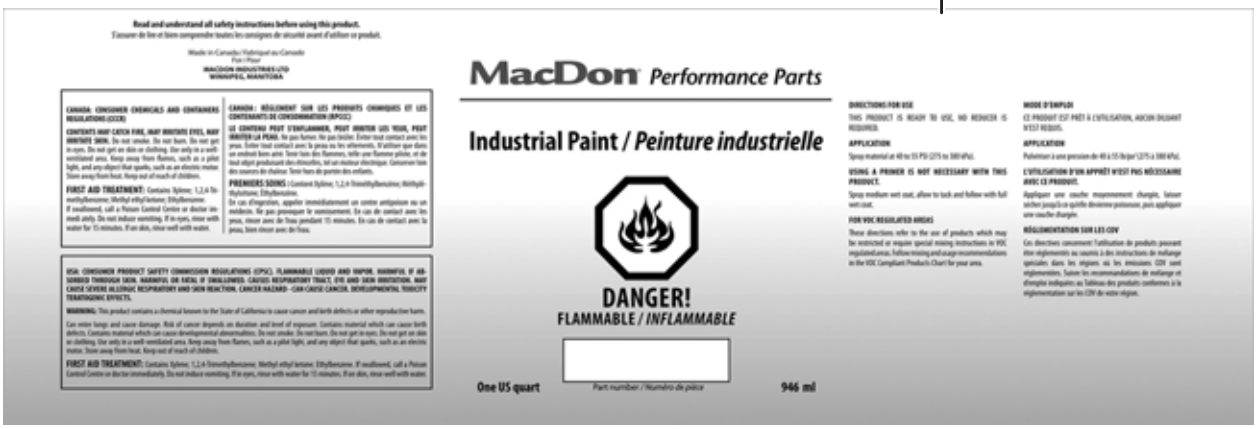
Ref	Part Number	Description	Qty	Serial Number
1	340050	DECAL – OIL, IMPORTANT, SPANISH		
2	220807	DECAL – IMPORTANT: GUARDS, SPANISH		
3	220835	DECAL – RH DRAPER TENSION, SPANISH		
4	220814	DECAL – LH DRAPER TENSION, SPANISH		

135 Paint



1

2

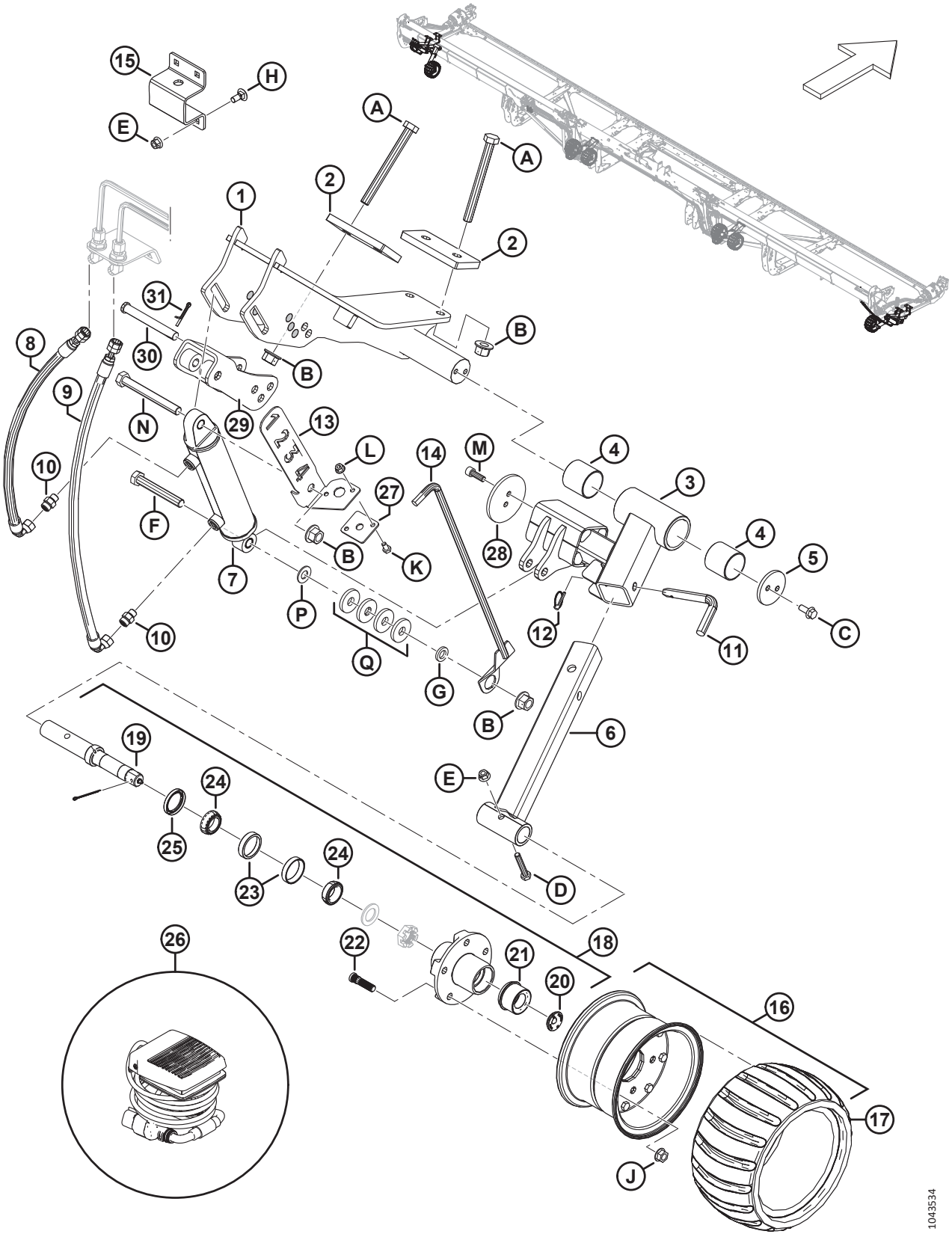


1037431

Ref	Part Number	Description	Qty	Serial Number
1	135148	PAINT – BLACK (55-65 GLOSS LEVEL), SPRAY CAN, 12 OZ. (340 G) AEROSOL [485]		
	32879	PAINT – WHITE, SPRAY CAN, 12 OZ. (340 G) AEROSOL [485]		
	23950	PAINT – RED, SPRAY CAN, 12 OZ. (340 G) AEROSOL [485]		
2	25991	PAINT – BLACK (55-65 GLOSS LEVEL), 1 US QUART (946 ML)		
	32880	PAINT – RED, 1 US QUART (946 ML)		

485. To be used for small touch-ups only.

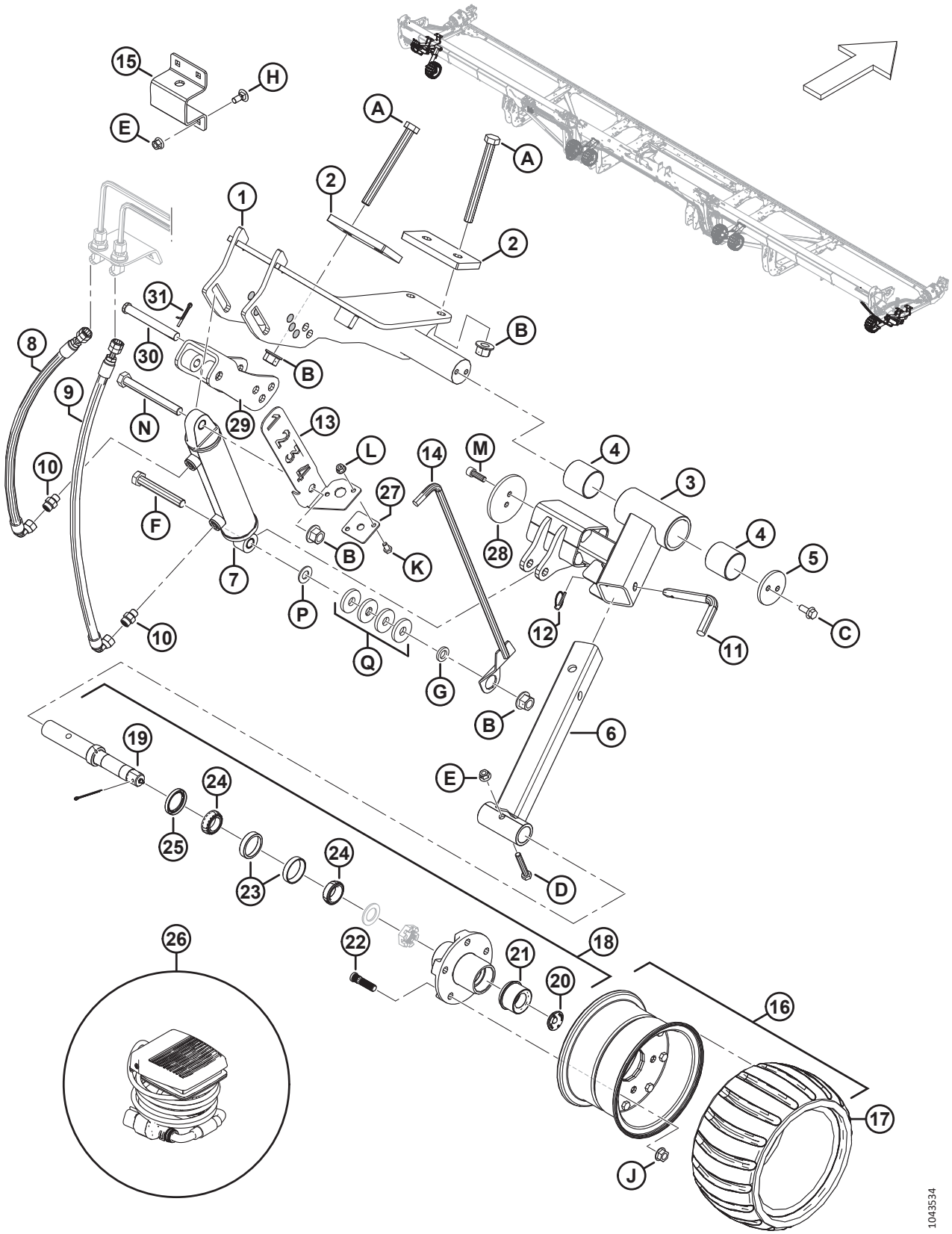
136 (Option) ContourMax™ – Outer Contour Wheels



Ref	Part Number	Description	Qty	Serial Number
	B7480	KIT – CONTOURMAX CONTOUR WHEELS [486]		
1	**319881**	**MOUNT WELDT – LH OUTER**	**1**	
	319882	**MOUNT WELDT – RH OUTER**	**1**	
2	233874	PLATE – BACKING 85 MM	4	
3	360992	TOP OUTER ARM – ASSY [487]	2	
4	313020	BUSHING – PLASTIC	4	
5	233870	RETAINER	2	
6	313914	LOWER OUTER SUPPORT – WELDT	2	
7	313012	CYLINDER – HYD (LH) [488]	1	
	313794	SEAL KIT		
	258391	BUSHING		
	313011	CYLINDER – HYD (RH) [489]	1	
	313793	SEAL KIT		
	258391	BUSHING		
8	323995	HOSE – HYD	2	
9	323994	HOSE – HYD	2	
10	135778	FITTING – ADAPTER	4	
11	313921	PIN – LOCKING	2	
12	50193	PIN – LYNCH	2	
13	NSS	BRACKET – INDICATOR (LH ONLY) [490]	1	
	360358	KIT – ASSY, CONTMAX GAUGE SERV [491]	1	
14	NSS	HEIGHT INDICATOR – WELDT (LH ONLY) [490]	1	
	360358	KIT – ASSY, CONTMAX GAUGE SERV [491]	1	
15	313922	STRAP – WHEEL STORAGE (LH ONLY) [492]	1	
16	313368	CONTOUR WHEEL – ASSY [493]	2	
17	313366	TIRE – CONTOUR WHEEL	2	
18	313114	SPINDLE – ASSY [494]	2	
19	313859	SPINDLE – SHAFT	2	
20	284705	PLUG – RUBBER	2	
21	284706	CAP – EZ LUBE	2	

486. The kit includes all listed inner and outer wheel parts to complete the install on a ContourMax™ ready header. If your header is not factory configured you will also need one of the following bundles, refer to Sections *105 Hydraulics – ContourMax™, Contour Wheels (FD225 and FD230), page 253* to *107 Hydraulics – ContourMax™, Contour Wheels (FD240, FD241, FD245, and FD250), page 259*. Kits are available through Whole Goods only.
487. The arm assembly includes two plastic bushings (MD #313020).
488. Left hydraulic cylinder.
489. Right hydraulic cylinder.
490. Indicator bracket (MD #340703) and height indicator (MD #313447) have been superseded with service kit (MD #360358).
491. For service parts, refer to Section *138 (Option) ContourMax™ – Gauge Service Kit, page 331*.
492. Left outer contour wheel only.
493. The wheel assembly includes one tire (MD #313366).
494. The spindle assembly includes one spindle shaft (MD #313859), one rubber plug (MD #284705), one EZ lube cap (MD #284706), five studs (MD #284707), one 47 mm cup bearing (MD #284708), one 44 mm cone bearing (MD #284709), one seal (MD #284710), one slotted nut (NSS), and one washer (NSS).

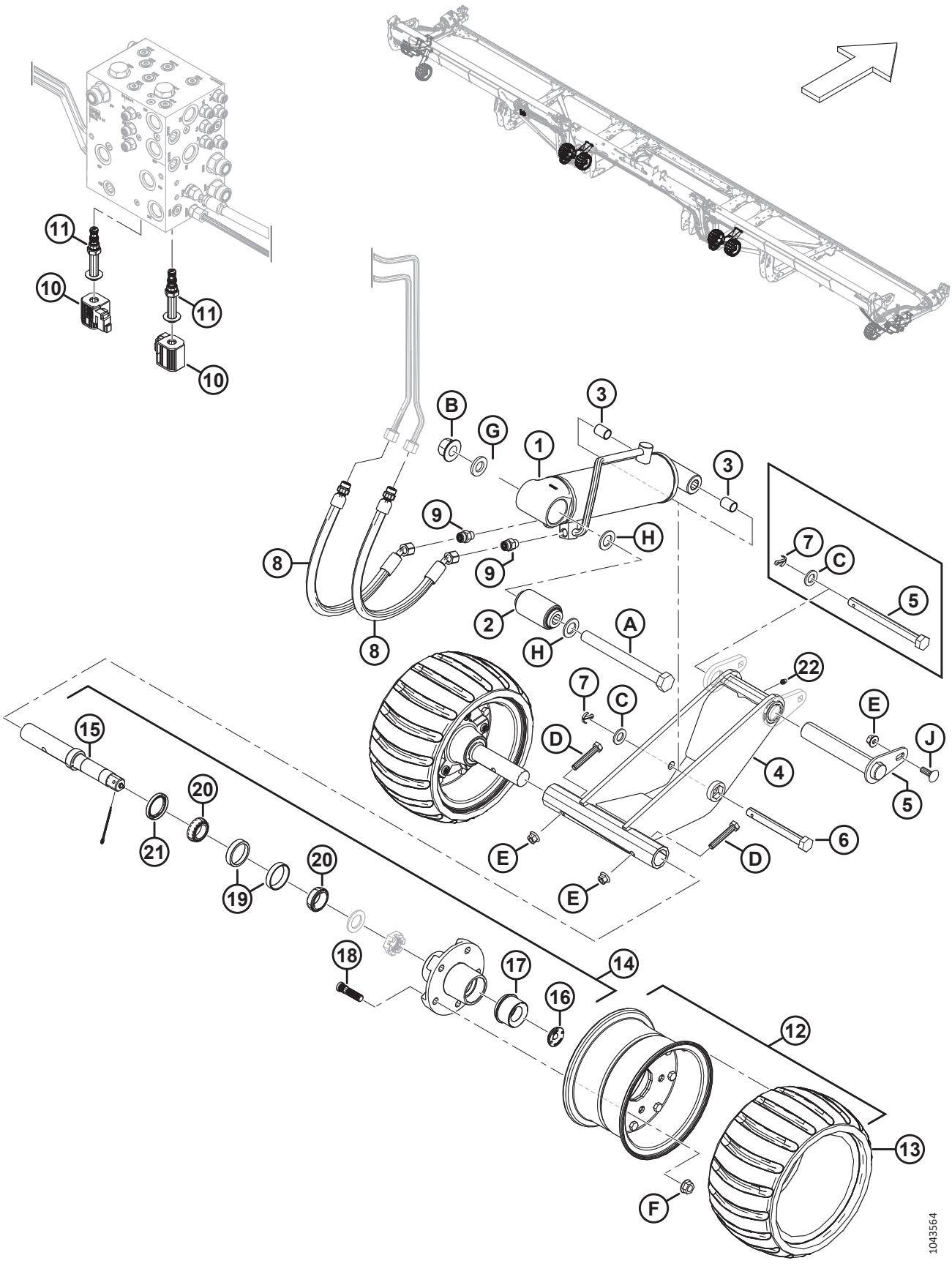
(OPTION) CONTOURMAX™ – OUTER CONTOUR WHEELS



Ref	Part Number	Description	Qty	Serial Number
22	284707	STUD	10	
23	284708	BEARING – CUP, 47MM	2	
24	284709	BEARING – CONE, 44MM	2	
25	284710	SEAL	2	
26	314581	HARNESS – FOOT PEDAL	1	
27	313441	GUIDE – INDICATOR	1	
28	233920	RETAINER – BOLT ON 3.75 IN. DISC	2	
29	319878	ADJ WELDT – CONTOURMAX	2	486190–
	233975	ADJ WELDT – CONTOURMAX (2023–PRIOR, SERVICE ONLY) [495]	2	–486189
30	113813	PIN – CLEVIS, 15.71 MM, 115 MM, ZN PL	2	
31	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	2	
A	320122	BOLT – HEX HD M16 X 2 X 160-10.9-ZINC		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
C	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
D	184664	BOLT – HEX HD M10 X 1.5 X 60-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	136159	BOLT – HEX HD M16 X 2 X 110-8.8-AA1J (LH ONLY) [496]		
	152602	BOLT – HEX HD M16 X 2 X 80-10.9-AA1J (RH ONLY) [497]		
G	103361	WASHER – FLAT (LH ONLY) [496]		
H	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
J	188470	NUT – FLG DT SMFC 1/2-20 UNF GR 8 AA1J		
K	50139	BOLT – HEX HD TFL M8 X 1.25 X 16-8.8-AA1J		
L	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
M	135401	SCREW – HEX SOC HD TFL M10 X 1.5 X 30-8.8-AA1J		
N	184677	BOLT – HEX HD M16 X 2 X 140-8.8-AA1J		
P	18600	WASHER – FLAT SAE 21/32 ID X 1 5/16 OD AA1J (LH ONLY) [496]		
Q	4762	WASHER – FLAT, 2/3 IN. ID, 1 13/16 IN. OD, 1/4 IN. THK (LH ONLY) [496]		

495. Service part only for model year 2023 and prior.
496. Left outer contour wheel only.
497. Right outer contour wheel only.

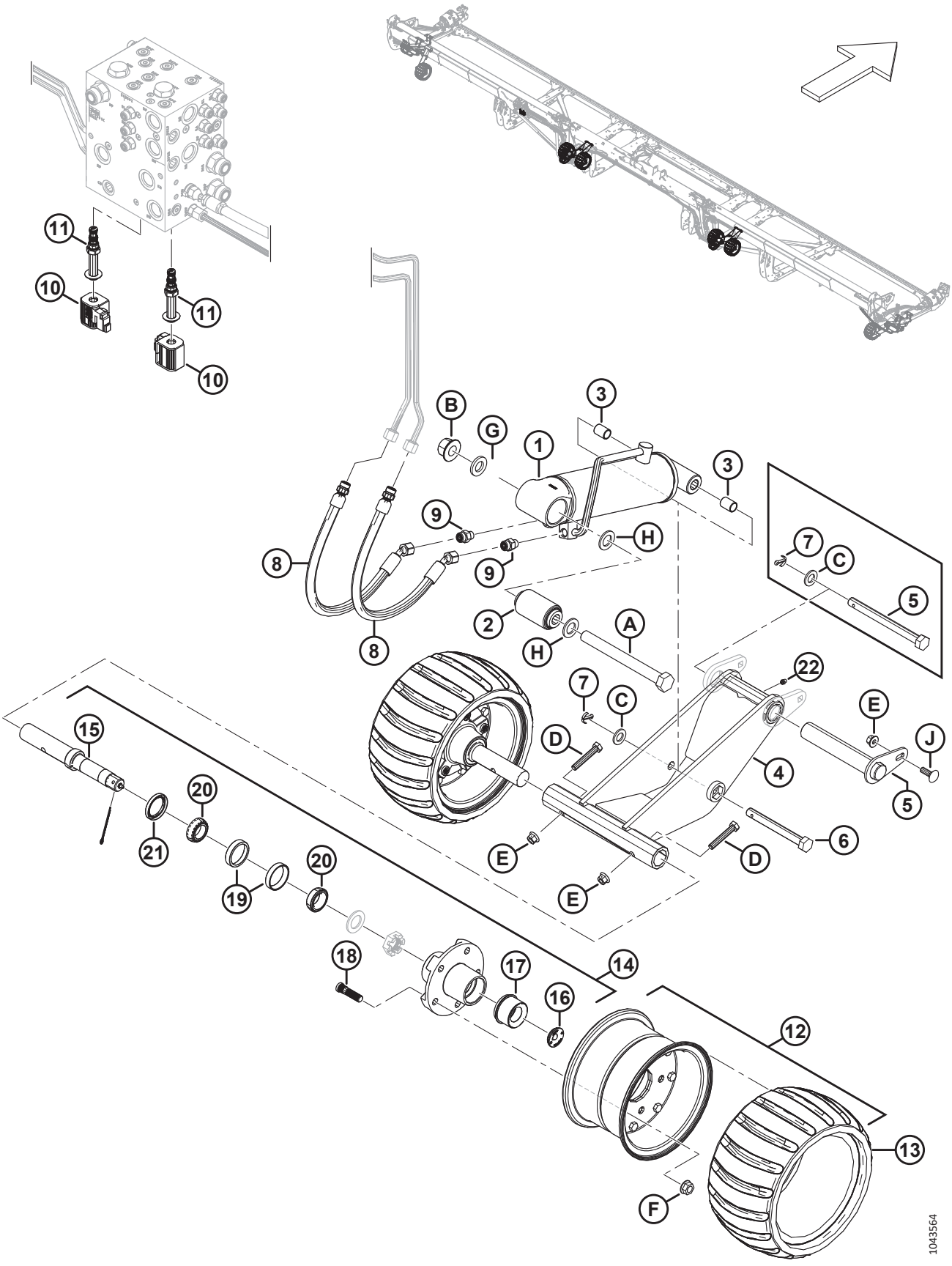
137 (Option) ContourMax™ – Inner Contour Wheels



Ref	Part Number	Description	Qty	Serial Number
	B7480	KIT – CONTOURMAX CONTOUR WHEELS [498]		
1	313776	LH CYLINDER ISOLATOR – ASSY [499]	1	
	313791	SEAL KIT		
	313777	RH CYLINDER ISOLATOR – ASSY [499]	1	
	313792	SEAL KIT		
2	313007	BUSHING – BONDED RUBBER	2	
3	258391	BUSHING	4	
4	360774	ASSEMBLY – CONTOURMAX W/ ZERK [500]	2	
5	360714	PIN – CONTOURMAX [501]	2	
	360812	KIT – 1.25 IN. CONTOURMAX PIN [502]	A/R	
	360818	KIT – 5/8 IN. CONTOURMAX PIN [503]	A/R	
	313748	PIN – HEX HD 5/8 X 7 IN LG ZINC [504]	A/R	
6	313753	PIN – HEX HD 5/8 X 5.25 LG ZINC	2	
7	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
8	283783	HOSE – HYD	4	
	135865	O-RING – Ø1.78 X Ø9.25		
9	135778	FITTING – ADAPTER	4	
10	287449	COIL – 12VDC - .625IN	2	
11	287450	VALVE – POPPET	2	
12	313368	CONTOUR WHEEL – ASSY [505]	4	
13	313366	TIRE – CONTOUR WHEEL	4	
14	313114	SPINDLE – ASSY [506]	4	
15	313859	SPINDLE – SHAFT	4	

498. The kit includes all listed inner and outer wheel parts to complete the install on a ContourMax™ ready header. If your header is not factory configured you will also need one of the following bundles, refer to Sections *105 Hydraulics – ContourMax™, Contour Wheels (FD225 and FD230), page 253* to *107 Hydraulics – ContourMax™, Contour Wheels (FD240, FD241, FD245, and FD250), page 259*. Kits are available through Whole Goods only.
499. The cylinder isolator assembly includes one bonded rubber bushing (MD #313007) and two bushings (MD #258391).
500. Includes one lube fitting (MD #18671) and one 100-hour grease decal (MD #115759).
501. ContourMax™ Pin (MD #360714) for model year 2024 and later includes a welded lug (NSS) and 1.25 inch pivot pin (NSS). To service model year 2023 and prior headers with the model year 2024 wheel assembly (MD #360774), order 1.25 inch ContourMax™ Pin Service kit (MD #360812) or 5/8 inch ContourMax™ Pin Service kit (MD #360818).
502. The 1.25 inch ContourMax™ Pin Service kit is used to rework the header inner legs to allow the use of the larger pin (MD #360714) to secure the wheel assembly (MD #360774) to the header leg. The kit includes one ContourMax™ pin (MD #360714), two service lugs (MD #360713), two washer templates (MD #360810), hardware (MD #136211, 135799), and instructions.
503. The 5/8 inch ContourMax™ Pin Service kit is used to allow the use of the smaller (model year 2023 and prior) 5/8 inch hex head pin (MD #313748) to secure the wheel assembly (MD #360774) to the header leg. The kit includes one pin (MD #313748), one tube spacer (MD #360819), one cotter pin (MD #18648), two washer plates (NSS), hardware (MD #184717, 319544), and instructions.
504. Service part only for superseded wheel assembly (MD #323478). For new wheel assembly (MD #360774), order pin (MD #360714) or service kits (MD #360812, 360818).
505. The wheel assembly includes one tire (MD #313366).
506. The spindle assembly includes one spindle shaft (MD #313859), one rubber plug (MD #284705), one EZ lube cap (MD #284706), five studs (MD #284707), one 47 mm cup bearing (MD #284708), one 44 mm cone bearing (MD #284709), and one seal (MD #284710).

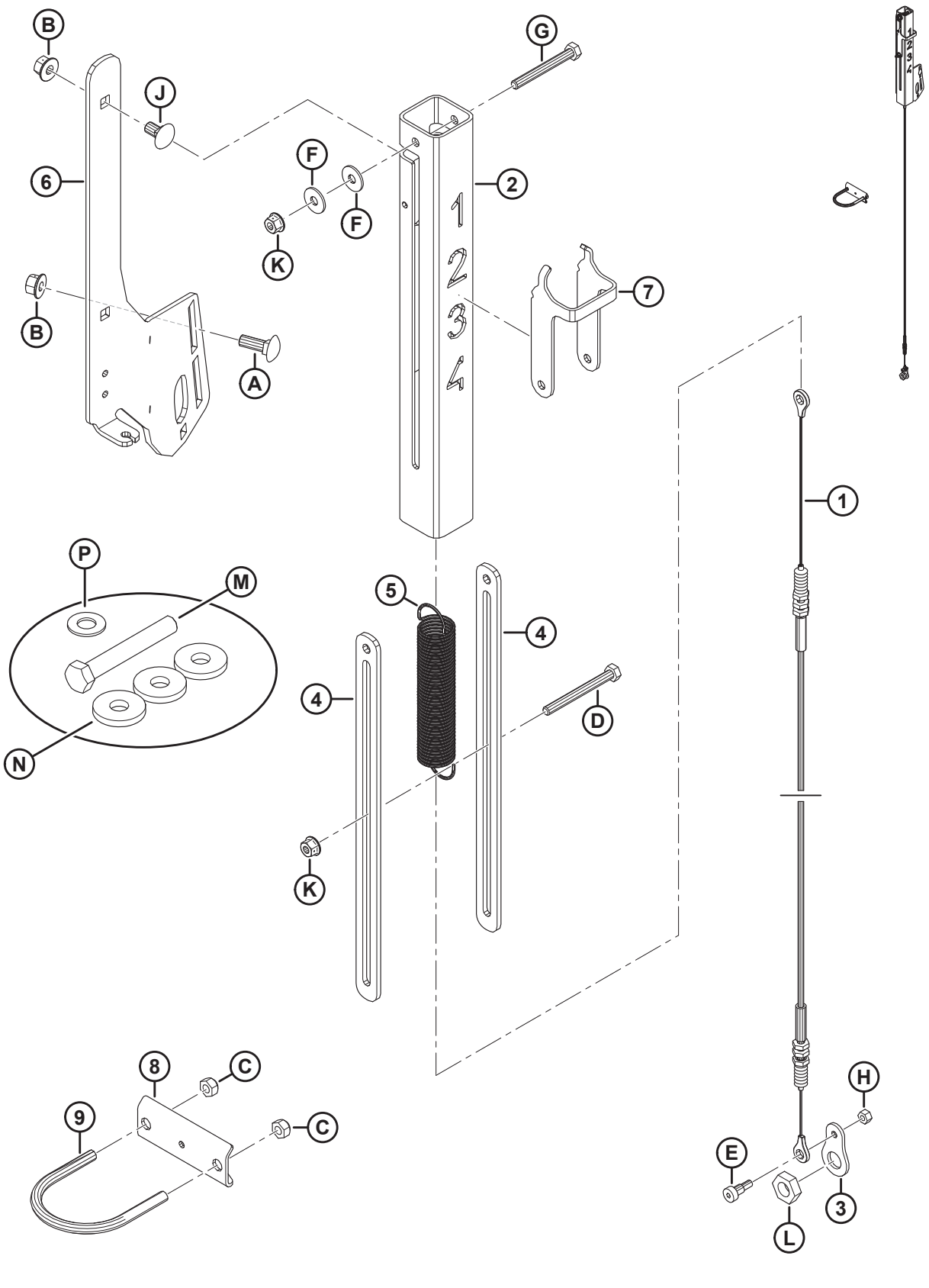
(OPTION) CONTOURMAX™ – INNER CONTOUR WHEELS



(OPTION) CONTOURMAX™ – INNER CONTOUR WHEELS

Ref	Part Number	Description	Qty	Serial Number
16	284705	PLUG – RUBBER	4	
17	284706	CAP – EZ LUBE	4	
18	284707	STUD	20	
19	284708	BEARING – CUP, 47MM	4	
20	284709	BEARING – CONE, 44MM	4	
21	284710	SEAL	4	
22	18671	FITTING – LUBE 1/4 - 28 UNF	2	
A	320331	BOLT – HEX HD M20 X 2.5 X 200-10.9-ZINC		
B	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		
C	184717	WASHER – FLAT REG M16-200HV-AA1J		
D	184664	BOLT – HEX HD M10 X 1.5 X 60-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10z		
F	188470	NUT – FLG DT SMFC 1/2-20 UNF GR 8 AA1J		
G	21540	WASHER – HARD ASTM F436M20-340HV-AB2C		
H	136477	WASHER – FLAT REG M20-200HV		
J	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		

138 (Option) ContourMax™ – Gauge Service Kit

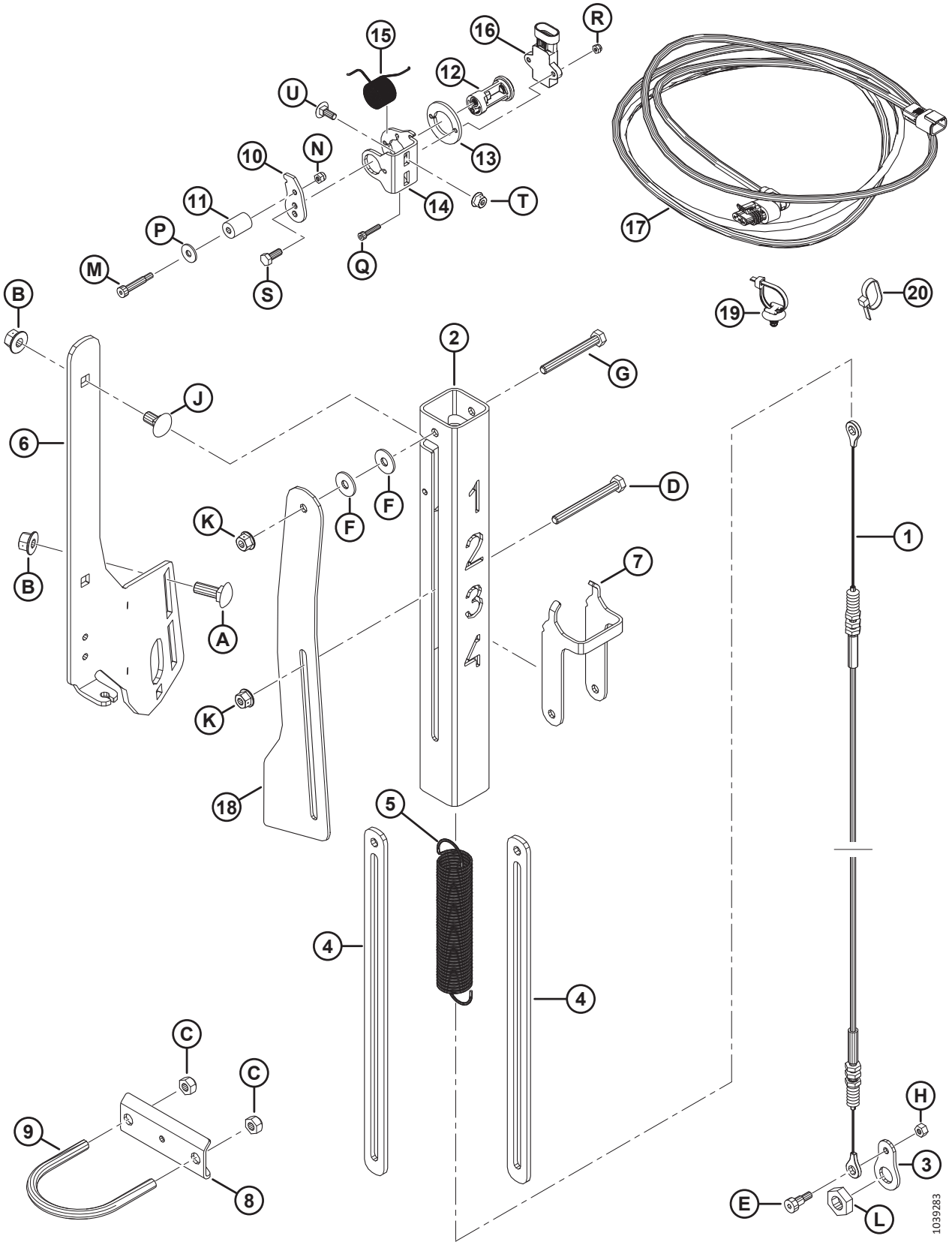


(OPTION) CONTOURMAX™ – GAUGE SERVICE KIT

Ref	Part Number	Description	Qty	Serial Number
	360358	KIT – ASSY, CONTMAX GAUGE SERV		
1	360559	CABLE – CONTOURMAX	1	
2	360551	TUBE – CONTOURMAX INDICATOR	1	
3	360526	PLATE – CABLE CONNECTION	1	
4	233950	SPACER – CONTOURMAX INDICATOR	2	
5	233906	SPRING – CONTOURMAX	1	
6	233900	BRACKET – CONTOURMAX INDICATOR	1	
7	233891	INDICATOR – CONTOUR WHEEL	1	
8	233964	ANCHOR – INDICATOR CABLE	1	
9	47225	BOLT – U	1	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18669	NUT-HEX LK DT 3/8-16 UNC GR5 AA1J		
D	252421	BOLT-HEX HD M 8X 1.25 X 80-8.8-AA2L		
E	197135	SCREW – HEX SOC HD SHLDR M8 X 10		
F	184709	WASHER – FLAT LARGE M8-200HV		
G	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
H	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
J	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	320218	NUT – HEX THIN M16 X 2-SPCL-5-ZINC		
M	136159	BOLT – HEX HD M16 X 2 X 110-8.8-AA3L [507]		
N	4762	WASHER – FLAT [507]		
P	18600	WASHER – FLAT SAE 21/32 ID X 5/16 OD AA1J [507]		

507. Used for model year 2020 and 2021 only.

139 (Option) ContourMax™ – Height Sensing – Case IH, New Holland, and John Deere X9 Series and S7 Series

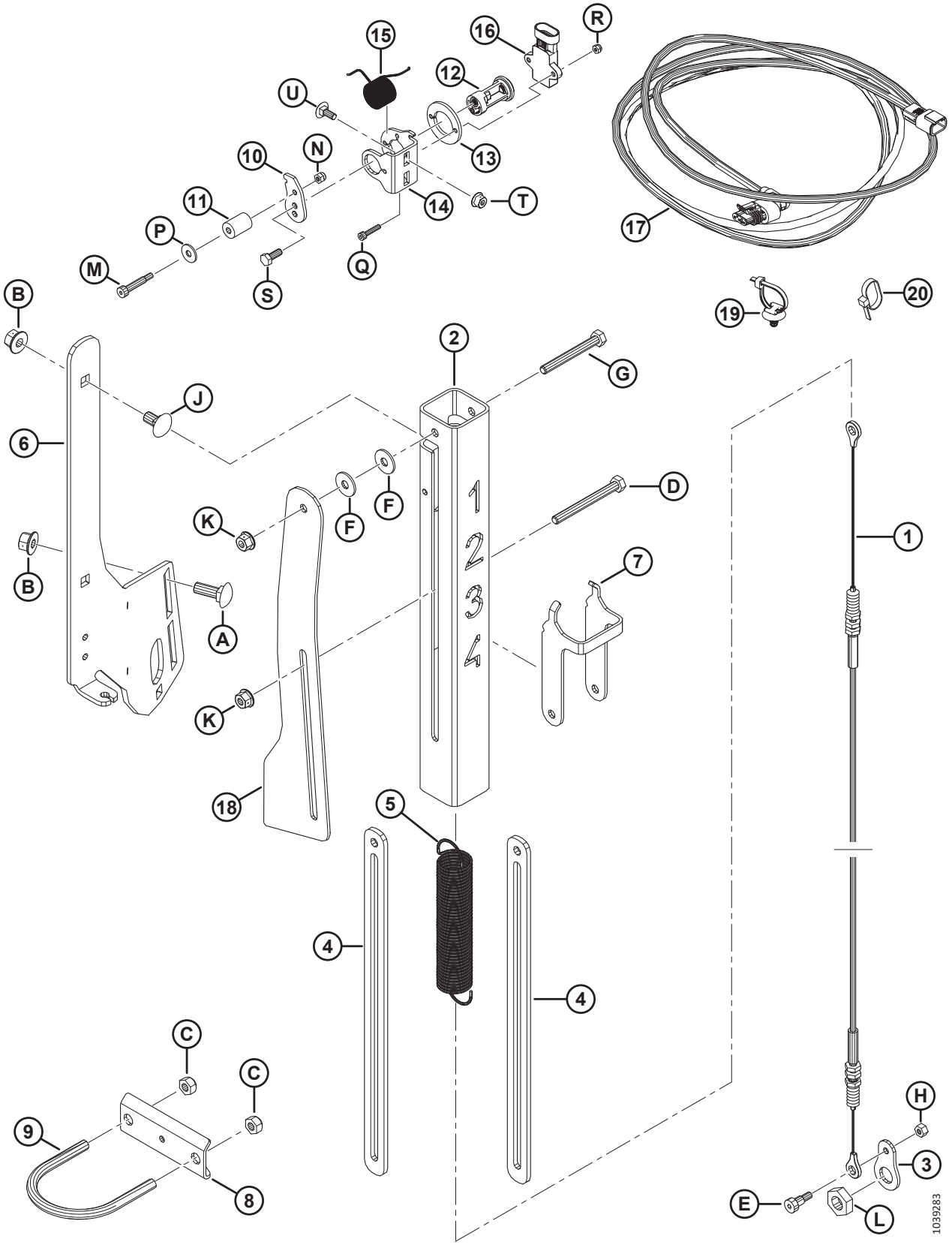


NOTE:

The ContourMax™ Height Sensing kit is required for all Case IH, all John Deere X9 Series and S7 Series, and all New Holland combine headers equipped with the ContourMax™ Contour Wheels option.

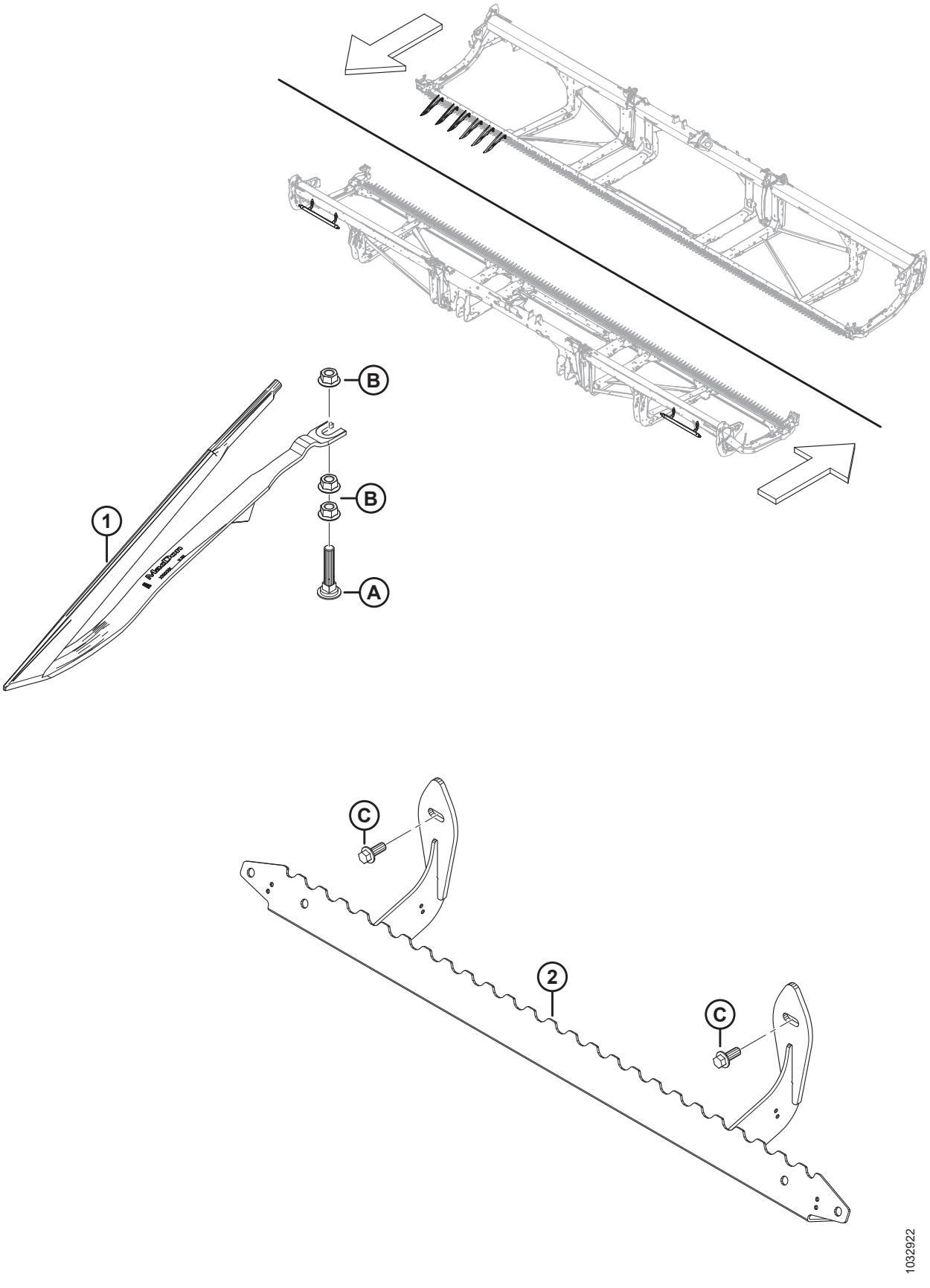
Ref	Part Number	Description	Qty	Serial Number
	360358	KIT – ASSY, CONTMAX GAUGE SERV		
	B7350	KIT – CONTOURMAX SENSOR [508]		
1	360559	CABLE – CONTOURMAX	1	
2	360551	TUBE – CONTOURMAX INDICATOR	1	
3	360526	PLATE – CABLE CONNECTION	1	
4	233950	SPACER – CONTOURMAX INDICATOR	2	
5	233906	SPRING – CONTOURMAX	1	
6	233900	BRACKET – CONTOURMAX INDICATOR	1	
7	233891	INDICATOR – CONTOUR WHEEL	1	
8	233964	ANCHOR – INDICATOR CABLE	1	
9	47225	BOLT – U	1	
10	340956	ARM – SENSOR	1	
11	340289	ROLLER – 5/8 IN. O.D.	1	
12	352163	ASSY – SENSOR PIVOT	1	
13	352001	SPACER – SENSOR	1	
14	340955	SUPPORT – SENSOR	1	
15	340954	SPRING – TORSION	1	
16	500303	SENSOR – ROTARY, DUAL CONTACTLESS	1	
17	323694	HARNESS – EXT. CONTOUR POS. [509]	1	
	378774	**HARNESS – EXT CONTOUR FD261** [510]	**1**	
18	323499	LINK – CONTOURMAX SENSOR	1	
19	136655	FASTENER – FIR TREE MT W/ TIE	2	
20	21763	FASTENER – CABLE TIE, BLACK	13	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18669	NUT-HEX LK DT 3/8-16 UNC GR5 AA1J		
D	252421	BOLT-HEX HD M8 X 1.25 X 80-8.8-AA2L		
E	197135	SCREW – HEX SOC HD SHLDR M8 X 10		
F	184709	WASHER – FLAT LARGE M8-200HV		
G	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
H	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
J	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	320218	NUT – HEX THIN M16 X 2-SPCL-5-ZINC		
M	320409	SCREW – HEX SOC HD SHLD R6 X 25-M 5 X0.8 X 9.5-12.9-ZINC		
N	197230	NUT – HEX NYLOC M5 X 0.8-8-AA1J		
P	184706	WASHER – FLAT LARGE M6-200HV		

508. Kits are available through Whole Goods only.
509. NOT for FD250 headers attached to a Case IH or New Holland combine, and FD261 headers.
510. For FD250 headers attached to a Case IH or New Holland combine, and all FD261 headers.


15
16
R
12
U
13
10
N
11
14
T
P
M
S
Q
17
19
20
B
2
G
J
6
D
K
F
F
1
2
3
4
7
B
A
K
18
5
4
4
C
C
9
8
H
3
E
L
1039283

Ref	Part Number	Description	Qty	Serial Number
Q	320410	SCREW – HEX SOC HDM4 X 0.7 X 20-A2SS		
R	320390	NUT – HEX NYLOC M4 X0.7-8-A2-SS		
S	184642	BOLT – HEX HD TFL M6 X 1 X 16-8.8-AA1J		
T	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
U	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		

140 (Option) Crop Lifters and Storage Rack



(OPTION) CROP LIFTERS AND STORAGE RACK

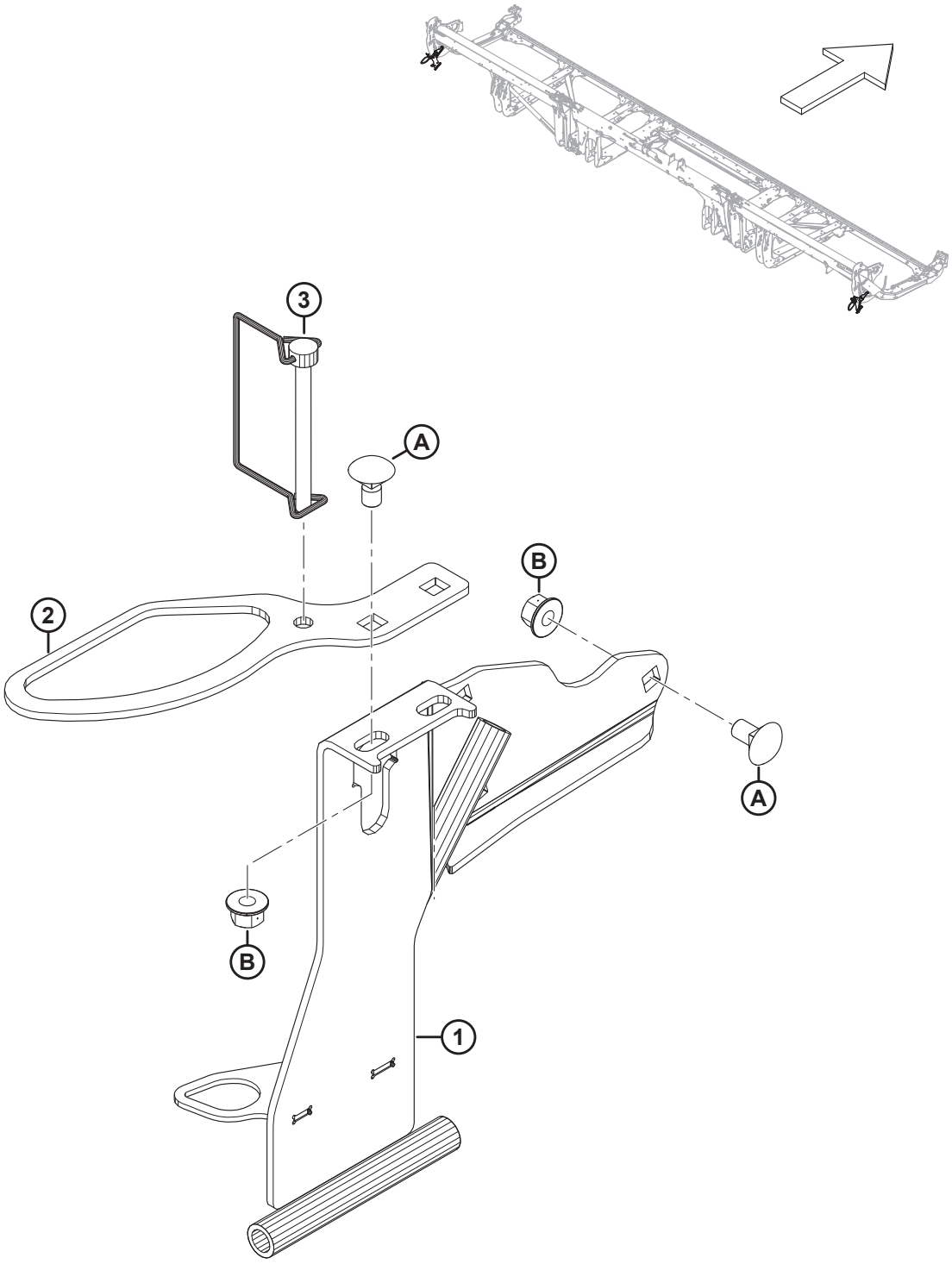
NOTE:

The Crop Lifter Storage Rack kit (B7023) is **NOT** compatible with FD261 Headers.

Ref	Part Number	Description	Qty	Serial Number
	B7022	KIT – CROP LIFTER [511]		
	B7023	KIT – LIFTER STORAGE RACK [512]		
1	233748	DEFLECTOR – CROP LIFTER	A/R	
2	233770	SUPPORT – LIFTER STORAGE WELDT	1	
A	226280	BOLT – RHSN SPCL M12 X 60-8.8		
B	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
C	136312	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		

511. Crop lifters are recommended for severely lodged cereal crops where the Operator wants maximum possible stubble height. The quantity of kits required varies depending on header size: FD225 and FD230 = 3 kits; FD235, FD240, and FD241 = 4 kits; FD245 and FD250 = 5 kits. Kits are available through Whole Goods only.
512. Quantities of Lifter Storage Rack kits required varies depending on header size. FD225 = 1 kit; FD230, FD235, FD240, FD241, FD245, and FD250 = 2 kits. Kits are available through Whole Goods only.

141 (Option) Divider Storage Bracket



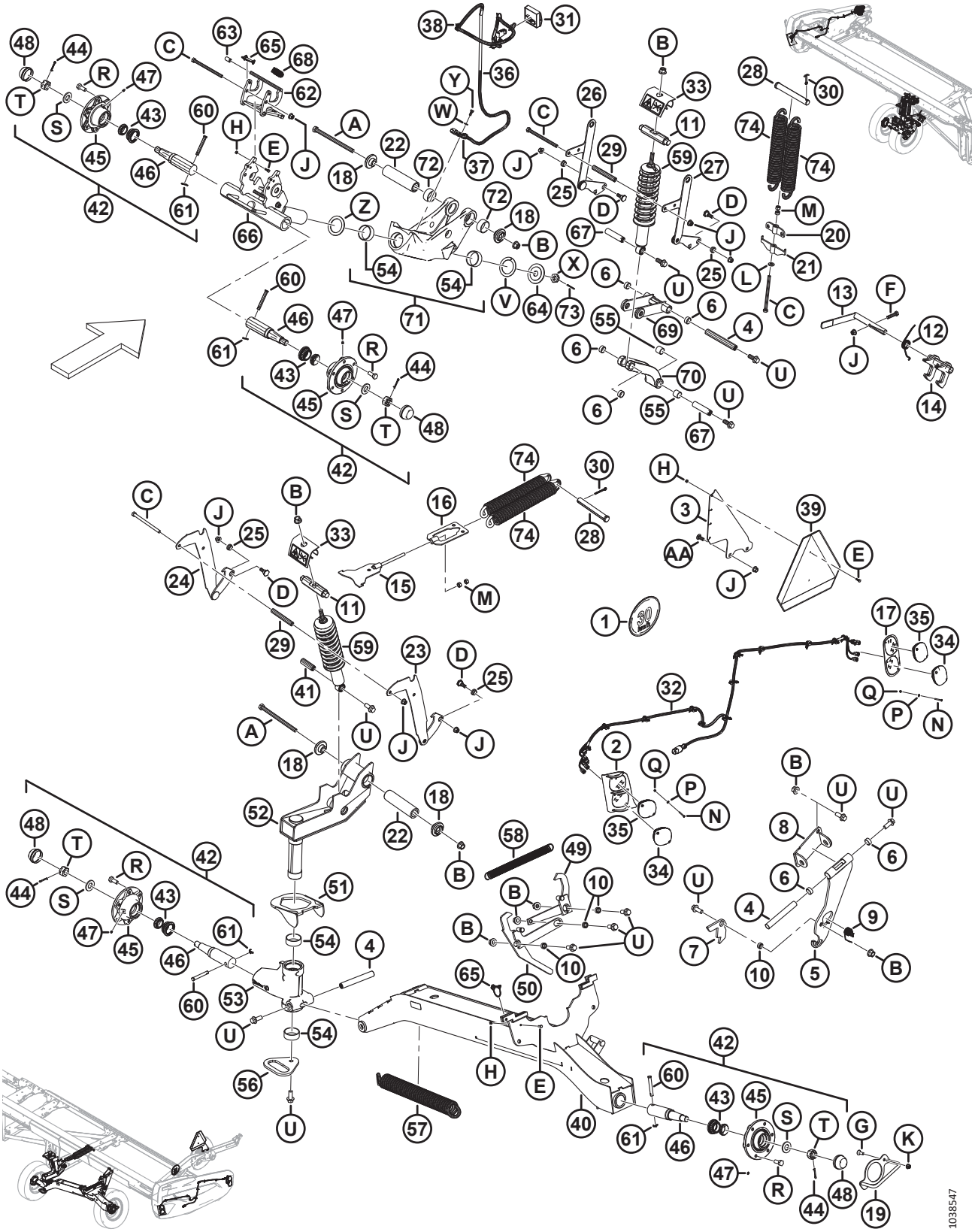
1032910

(OPTION) DIVIDER STORAGE BRACKET

Ref	Part Number	Description	Qty	Serial Number
	B7030	KIT – DIVIDER STORAGE BRACKET [513]		
1	313566	LH DIVIDER STORAGE – WELDT	1	
	313705	RH DIVIDER STORAGE – WELDT	1	
2	311464	SUPPORT – STORAGE RICE RODS	2	
3	136749	PIN – LYNCH	2	
A	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

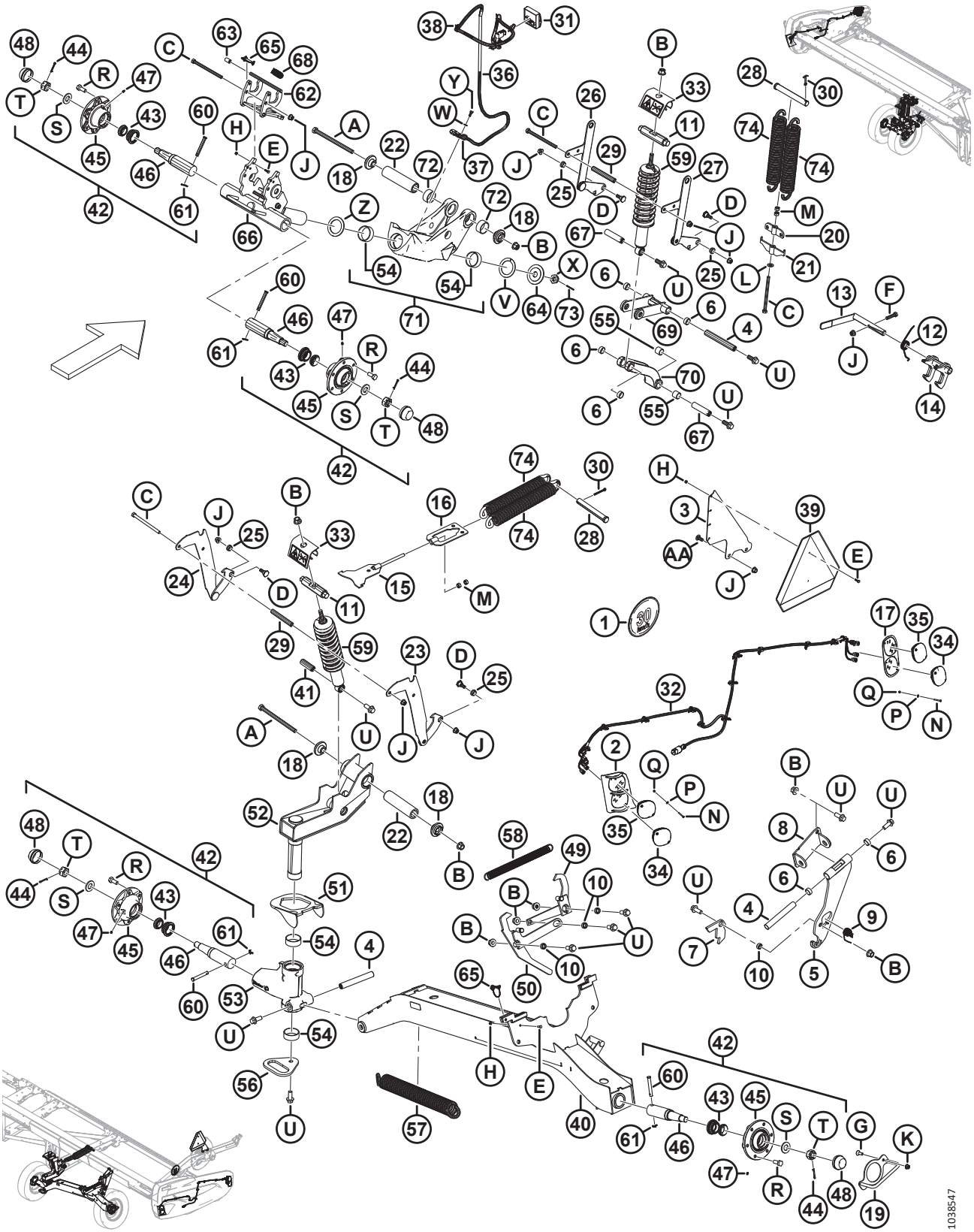
513. Kits are available through Whole Goods only.

142 (Option) EasyMove™ Slow Speed Transport – Base Kit and Stabilizer Wheels



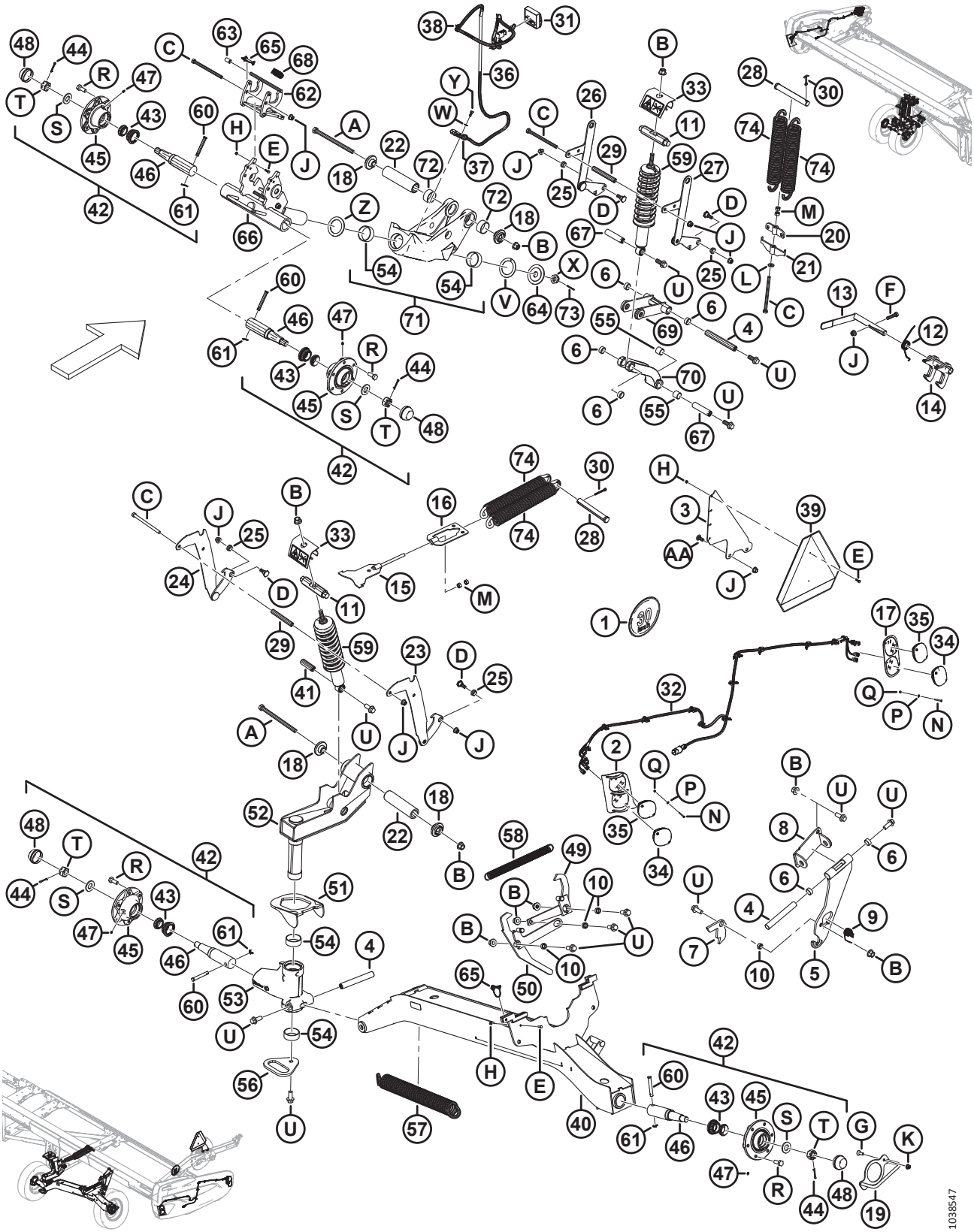
Ref	Part Number	Description	Qty	Serial Number
	B6288	EASYMOVE™ SLOW SPEED TRANSPORT – STABILIZER WHEELS AND BASE KIT [514]		
1	327561	KIT – DECALS, SIS BRACKET	1	
	193243	DECAL – SIS 30 KM/H, SMALL	1	
	193241	DECAL – SIS, 30 KM/H	1	
	193240	DECAL – SIS 20 MILE/H, SMALL	1	
	193242	DECAL – SIS 20 MILE/H	1	
2	327429	LIGHT BEZEL – WELDT, LH [515]	1	
	327179	LIGHT BEZEL – WELDT, RH [515]	1	
3	327428	LUG	1	
4	316794	PIN	3	
5	316358	SUPPORT – ASSY [516]	1	
6	210690	BUSHING – COMPOSITE	6	
7	303961	PLATE – LATCH	1	
8	327704	PIVOT – WELDT	1	
9	303379	SPRING – TORSION	1	
10	252958	SPACER	4	
11	316284	PIN	2	
12	316119	SPRING – TORSION	1	
13	316118	HANDLE – ASSY	1	
	287701	GRIP – HANDLE	1	
14	316110	LATCH – WELDT	1	
15	316096	SUPPORT – WELDT	1	
16	316095	SUPPORT – WELDT	1	
17	313406	BEZEL – LH FRONT [515]	1	
	313425	BEZEL – RH FRONT [515]	1	
18	303839	CASTING – PLATE	4	
19	303766	HANDLE – WELDT	1	
20	303693	SPRING TENSION SUPPORT – WELDT	1	
21	303691	SPRING ADJUST SUPPORT – WELDT	1	
22	303525	PIN – PIVOT	2	
23	327756	SUPPORT, HEIGHT ADJUST – WELDT, RH	1	
24	327755	SUPPORT, HEIGHT ADJUST – WELDT, LH	1	
25	303492	BUSHING – COMPOSITE	4	
26	303491	SUPPORT, HEIGHT ADJUST – WELDT	1	
27	303486	SUPPORT, HEIGHT ADJUST – WELDT	1	
28	292692	PIN – CLEVIS	2	
29	210985	SPACER	2	
30	18609	PIN – COTTER 1/4 DIA X 2 ZP	2	
31	327255	MODULE – TRANSPORT LED W/ TAPE	1	

514. Kits are available through Whole Goods only.
515. The bezels are mounted onto the header endshields with pan head screw (MD #320154), flat washer (MD #18798), and Nyloc hex nut (MD #197320).
516. The support assembly includes one support (NSS) and two composite bushings (MD #210690).


1038547

Ref	Part Number	Description	Qty	Serial Number
32	323049	HARNESS – TRANSPORT EXT LTS	2	
33	327089	ANTI PRY – ASSY	2	
34	316044	LIGHT – RED	2	
35	284215	LIGHT – AMBER	4	
36	284548	HARNESS – TRANSPORT EXT LEG	1	
37	135716	CLAMP – INSULATED 5/8 IN.	1	
38	21763	FASTENER – CABLE TIE, BLACK	7	
39	21032	SMV SIGN – METAL AND REFLECTOR	1	
40	327786	SUPPORT, AXLE – WELDT	1	
41	316793	PIN	1	
42	316330	HUB – ASSY [517]	4	
43	316851	KIT – WHEEL BEARING [518]	4	
44	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	4	
45	316847	HUB	4	
46	316848	SPINDLE	4	
47	18671	FITTING – LUBE 1/4 - 28 UNF	4	
48	30520	CAP – DUST	4	
49	327751	ARM – WELDT	1	
50	327749	LEVER – WELDT	1	
51	303832	HOOK – WELDT	1	
52	327672	PIVOT – ASSY	1	
53	303380	ASSY – SUPPORT, PIVOT [519]	1	
54	210661	BUSHING – COMPOSITE	4	
55	133992	BUSHING – COMPOSITE	6	
56	303033	PLATE – HANDLE	1	
57	303021	SPRING – EXTENSION	1	
58	247222	SPRING – EXTENSION	1	
59	327798	DAMPENER – HEADER [520]	2	
60	101007	PIN – CLEVIS	4	
61	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
62	327535	LATCH – ASSY [521]	1	
63	327534	GRIP – HANDLE	1	
64	327745	DISC	1	
65	320205	PIN – LYNCH DIA 5/16 IN. X 1.75 IN. LG W/ TETHER	2	
66	327716	SPINDLE – WELDT	1	
67	316293	PIN	2	
68	303898	SPRING – EXTENSION	1	

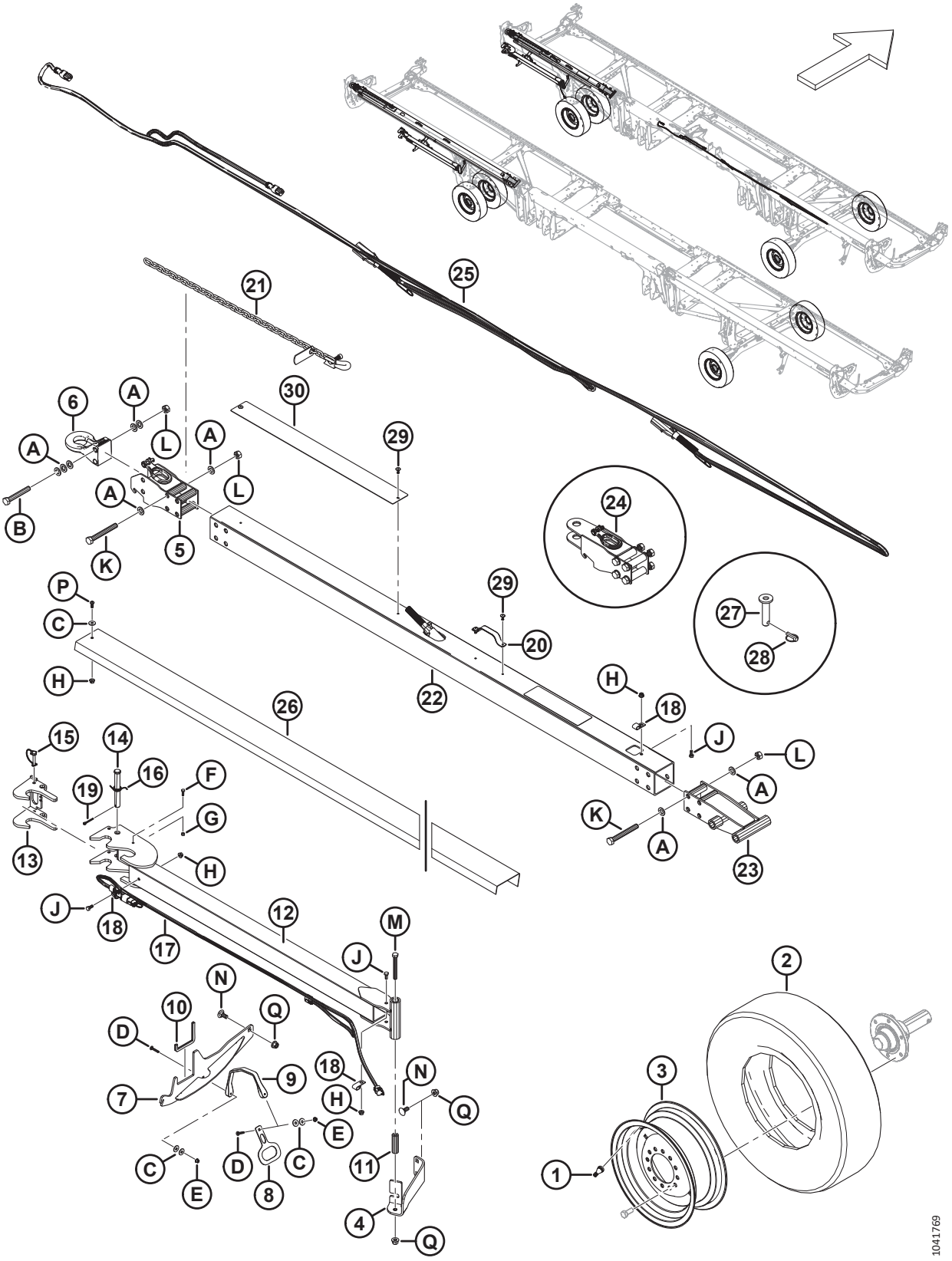
517. The hub assembly includes one cotter pin (MD #18608), one lube fitting (MD #18671), six wheel bolts (MD #18916), one dust cap (MD #30520), one hub (MD #316847), one spindle (MD #316848), one wheel bearing kit (MD #316851), one slotted nut (MD #316859), and one washer (MD #316860).
518. The kit includes two bearings (NSS) and one seal (NSS).
519. The pivot support assembly includes two composite bushings (MD #210661) and two composite bushings (MD #133992).
520. The dampener includes one composite bushing (MD #133992).
521. The latch assembly includes one latch (NSS) and one handle grip (MD #327534).


1038547

Ref	Part Number	Description	Qty	Serial Number
69	327738	ARM SUPPORT – ASSY [522]	1	
70	303341	CAST SUPPORT – ASSY [523]	1	
71	**327814**	**PIVOT – ASSY** [524]	**2**	
72	327600	BUSHING – COMPOSITE	4	
73	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	1	
74	144724	SPRING – EXTENSION	4	
	316649	DECAL – HEIGHT SETTING, LH	1	
	316639	DECAL – HEIGHT SETTING, RH	1	
	327086	DECAL – ENERGY RELEASE	2	
	165524	REFLECTOR – RED	2	
	302204	DECAL – CA PROPOSITION 65	1	
A	320011	BOLT – HEX HD M16 X 2 X 240-10.9-ZINC		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
C	252272	BOLT – HEX HD TFL M12 X 1.75 X 180-10.9-ZINC		
D	303251	BOLT – 19 MM SHLDR M12 SPCL		
E	184646	BOLT – HEX HD TFL M6 X 1 X 20-8.8-AA1J		
F	152779	BOLT – HEX HD M12 X 1.75 X 55-8.8-AA1J		
G	136857	SCREW – HEX SOC CSK HD TFL M10 X 1.5 X 30-ZINC		
H	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
J	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	135369	WASHER – HARDENED ASTM F436 1/2		
M	135156	NUT – HEX M12 X 1.75-10-AA1J		
N	320154	SCREW – PAN HD DIN 7985 M4 X 0.7 X 35-4.8-ZINC BLACK		
P	18798	WASHER – FLAT SAE 7/32 ID X 7/16 IN OD AA1J		
Q	197320	NUT – HEX NYLOC M4 X 0.7-8-AA1J		
R	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL - AA1J		
S	316860	WASHER		
T	316859	NUT – SLOTTED		
U	320060	BOLT – HEX FLG HD TFL M16 X 2 X 40-10.9-ZINC		
V	210918	WASHER – THRUST		
W	184708	WASHER – FLAT M8-200HV-AA1J		
X	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
Y	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
Z	327710	WASHER – THRUST		
AA	152702	BOLT – RHSN M12 X 1.75 X 30-8.8-AA1J		

522. The arm support assembly includes one arm support (NSS) and two composite bushings (MD #210690).
523. The support assembly includes one support (NSS), two composite bushings (MD #133992), and two composite bushings (MD #210690).
524. The pivot assembly includes one pivot (NSS), two composite bushings (MD #210661), and two composite bushings (MD #327600).

143 (Option) EasyMove™ Slow Speed Transport – Wheels, Tires, and Tow Poles

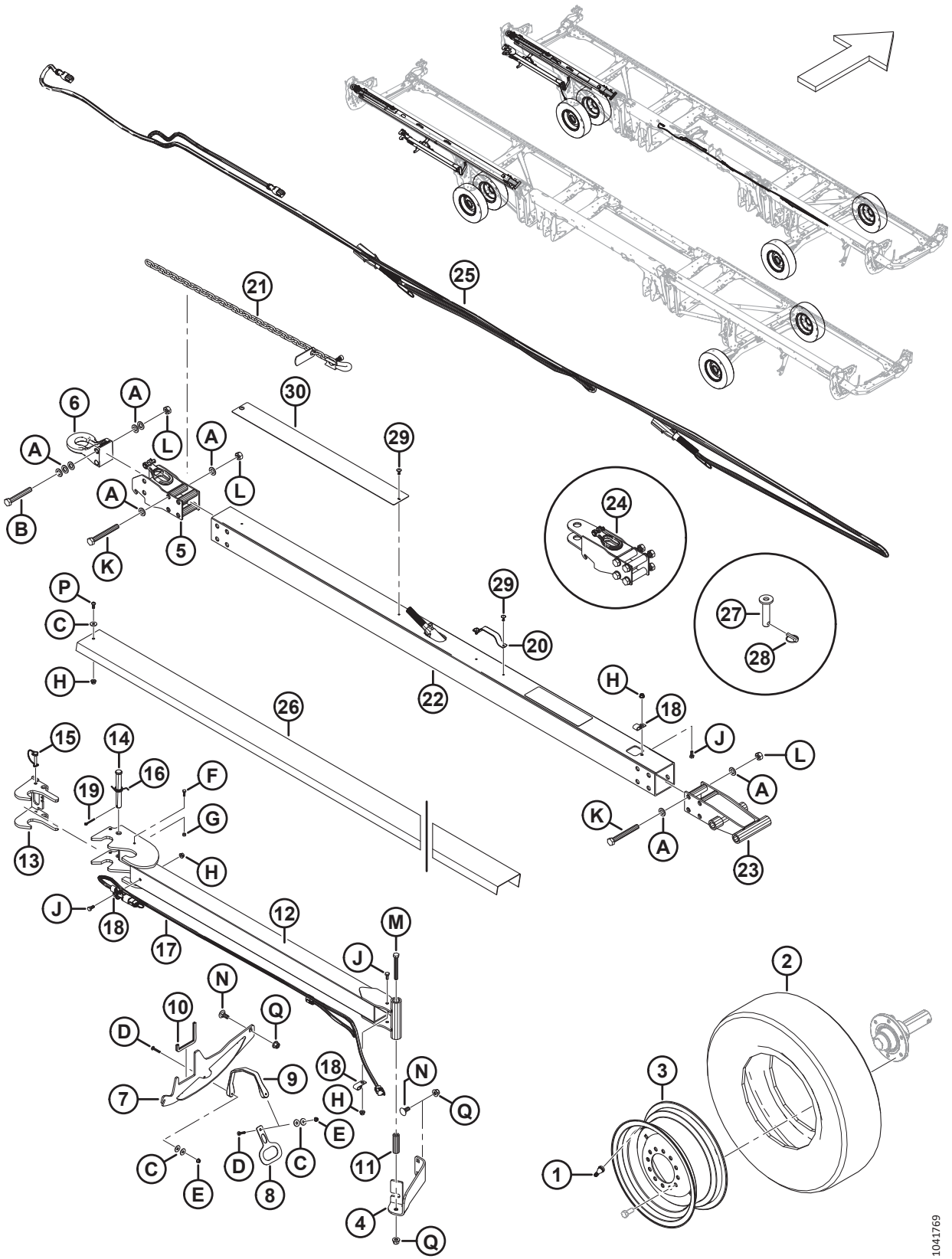


NOTE:

This option is not compatible with FD225 or FD261 headers.

Ref	Part Number	Description	Qty	Serial Number
	B7398	EASYMOVE SLOW SPEED TRANSPORT – WHEELS AND TIRES [525]		
1	230968	STEM – TIRE VALVE ASSY #TR-416	2	
2	327808	TIRE – ST 225/75 R15 LRF	2	
3	327807	WHEEL – 15 X 6 WHITE [526]	2	
	144531	WHEEL – 15 X 6 LB [527]	A/R	
	327802	DECAL – TIRE PRESSURE, 655 KPA (95 PSI) [528]	2	
	327717	DECAL – TIRE PRESSURE, 552 KPA (80 PSI) [529]	A/R	
	C2173	EASYMOVE SLOW SPEED TRANSPORT – LONG TOW POLE [525]		
	C2260	**EASYMOVE SLOW SPEED TRANSPORT – MEDIUM TOW POLE** [525]		
	C2172	**EASYMOVE SLOW SPEED TRANSPORT – SHORT TOW POLE** [525]		
	B7392	EASYMOVE™ SLOW SPEED TRANSPORT – LONG TOW POLE [530]		
	B7548	**EASYMOVE™ SLOW SPEED TRANSPORT – MEDIUM TOW POLE** [530]		
	B7391	EASYMOVE™ SLOW SPEED TRANSPORT – SHORT TOW POLE [530]		
4	327649	ANGLE – SUPPORT	1	
5	327694	HITCH – BASE	1	
6	113566	HITCH – PINTLE	1	
7	327771	WELDMENT – SUPPORT	1	
8	327304	PLATE – HANDLE	1	
9	193187	STRAP – RUBBER	1	
10	141220	SEAL – EDGE TRIM	1	
11	327294	TUBE	1	
12	327740	HITCH, EXTENSION – WELDT	1	
13	327739	LATCH – WELDT	1	
14	320213	PIN – CLEVIS	1	
15	320205	PIN – LYNCH DIA 5/16 IN. X 1.75 IN. LG W/ TETHER	1	
16	303169	SPRING – TORSION	1	
17	284549	HARNESS – TRANSPORT EXT HITCH	1	
18	39272	CLIP – INSULATED	3	
19	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	1	

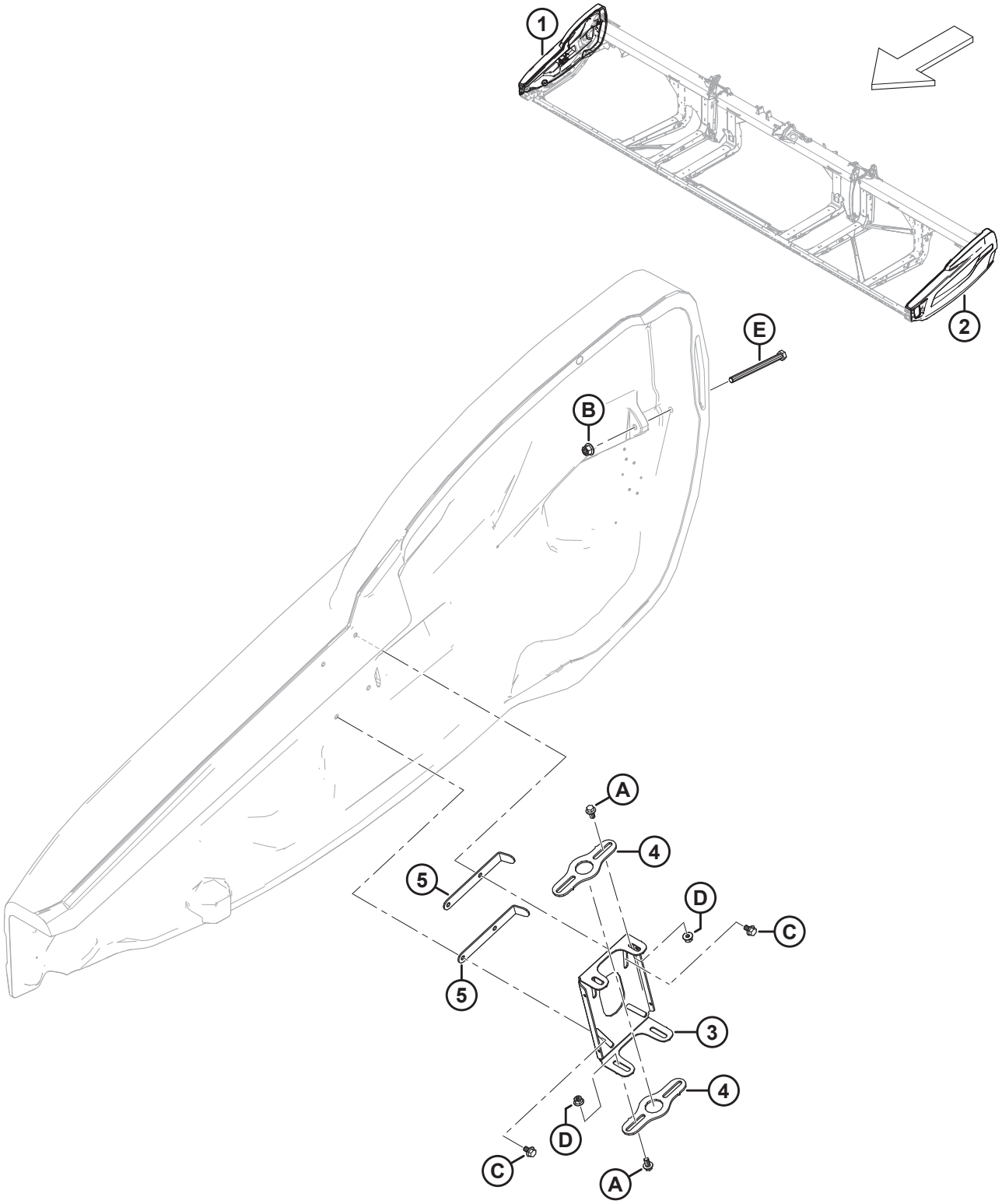
525. Kits are available through Whole Goods only.
526. Wheel (MD #327807) is used with tire (MD #327808).
527. Wheel (MD #144531) remains available as a service part for superseded tire (MD #230483). Wheel (MD #144531) is **NOT** included in Wheels and Tires kit B7398.
528. Tire pressure decal (MD #327802) (655 kPa [95 psi]) is used with tire (MD #327808).
529. Tire pressure decal (MD #327717) (552 kPa [80 psi]) remains available as a service part for superseded tire (MD #230483).
530. The Short Tow-Bar kit is used for FD230, the Medium Tow-Bar kit is used for FD235, and the Long Tow-Bar kit is used for FD240, FD241, FD245, and FD250. Kits are available through Whole Goods only.


1041769

Ref	Part Number	Description	Qty	Serial Number
20	327563	HANDLE [531]	A/R	
21	327532	CHAIN – SAFETY	1	
22	327696	TUBE – HITCH, LONG [532]	1	
	327824	**TUBE – HITCH, MEDIUM** [532]	**1**	
	327695	TUBE – HITCH, SHORT [532]	1	
23	327692	HITCH, END – WELDT	1	
24	327664	ASSY – CLEVIS HITCH	1	
25	284550	HARNESS – TRANSPORT LIGHTS	1	
26	327817	SUPPORT – CHANNEL, LONG [533]	1	
	327823	**SUPPORT – CHANNEL, MEDIUM** [533]	**1**	
	327680	SUPPORT – CHANNEL, SHORT [533]	1	
27	118239	PIN – HITCH	1	
28	113561	PIN – LYNCH	1	
29	320039	RIVET – POP 4.8 MM X 27.2 MM [534]	A/R	
30	327659	PLATE – WEAR	1	
	327588	DECAL – HITCH DAMAGE HAZARD	1	
A	184717	WASHER – FLAT REG M16-200HV-AA1J		
B	184679	BOLT – HEX HD M16 X 2 X 110-10.9-AA1J		
C	184709	WASHER – FLAT LARGE M8-200HV		
D	184643	BOLT – RHSSN M6 X 1.0 X 35-8.8-AA1J		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	184646	BOLT – HEX HD TFL M6 X 1 X 20-8.8-AA1J		
G	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
K	320219	BOLT – HEX HD M16 X 2 X 130-12.9-ZINC		
L	320208	NUT – HEX TOP LOCK M16 X 2-12-ZINC		
M	184672	BOLT – HEX HD M12 X 1.75 X 100-10.9-AA1J		
N	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
P	320176	SCREW – HEX SOC BTN HD M8 X 1.25 X 20-10.9-AA1J		
Q	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

531. Quantities: long tow pole (B7392) = 2, medium tow pole (B7548) = 2, short tow pole (B7391) = 1.
532. The short tube hitch is used for FD230, the medium tube hitch is used for FD235, and the long tube hitch is used for FD240, FD241, FD245, and FD250. Kits are available through Whole Goods only.
533. The short support channel is used for FD230, the medium support channel is used for FD235, and the long support channel is used for FD240, FD241, FD245, and FD250. Kits are available through Whole Goods only.
534. Quantities: long tow pole (B7392) = 6, medium tow pole (B7548) = 6, short tow pole (B7391) = 4.

144 (Option) Endshield Conversion Kits



1039667

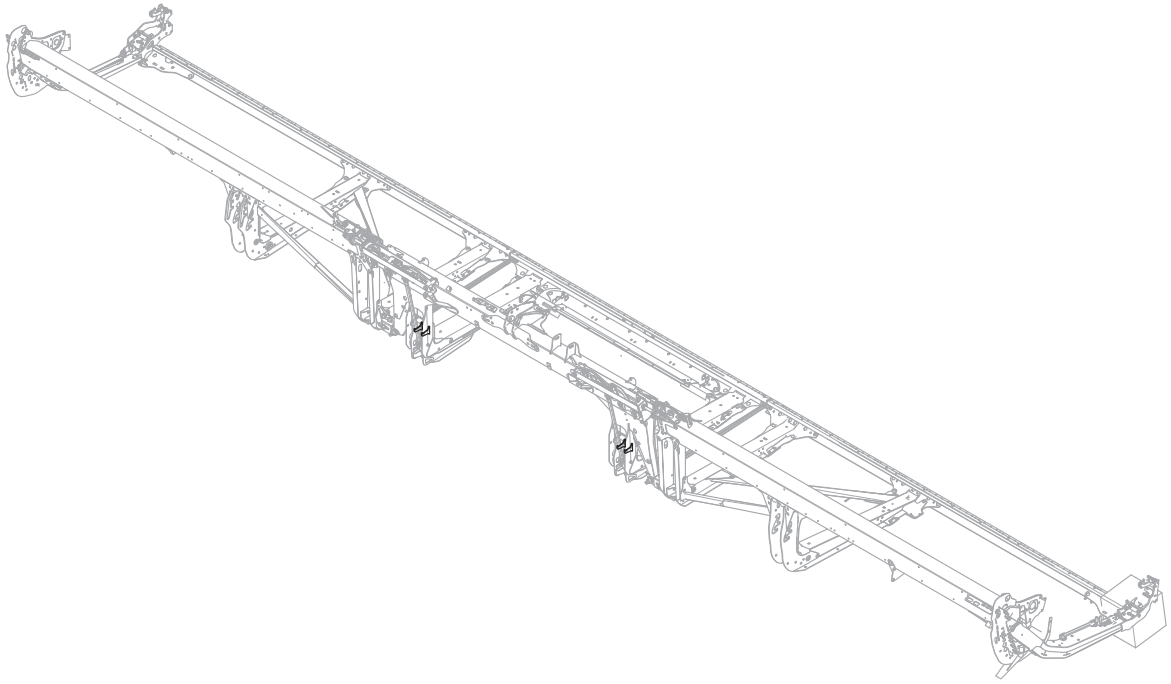
NOTE:

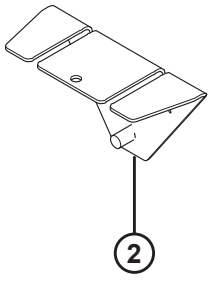
The endshields in these conversion kits are shipped with common decals only. To order individual product identification decals, refer to the sections specified in the footnotes for each endshield. To order reflectors for the right endshields, refer to Section *127 Decals and Reflectors – FD2 Series, page 303*.

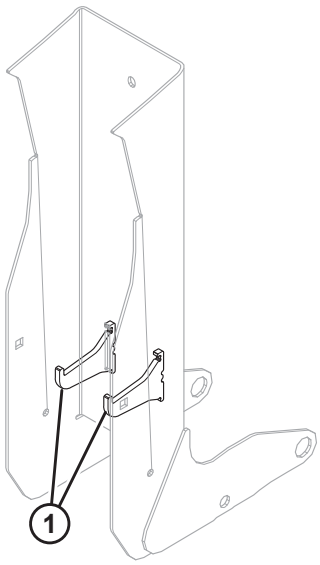
Ref	Part Number	Description	Qty	Serial Number
	B7401	KIT – BLACK ENDSHIELD CONV [535]		
	B7402	KIT – RED ENDSHIELD CONV [535]		
	B7403	KIT – YELLOW ENDSHIELD CONV [535]		
1	360555	SHIELD ASSY – BLACK, RH [536]	1	
	360448	SHIELD ASSY – CIH AG RED, RH [537]	1	
	360449	SHIELD ASSY – NH YELLOW, RH [538]	1	
2	360554	SHIELD ASSY – BLACK, LH [536]	1	
	360552	SHIELD ASSY – CIH AG RED, LH [537]	1	
	360553	SHIELD ASSY – NH YELLOW, LH [538]	1	
3	313432	PIVOT – SHIELD RH	1	
	313303	PIVOT – SHIELD LH	1	
4	313304	PIVOT	4	
5	313783	RETAINER	4	
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		

535. Kits are available through Whole Goods only.
536. Refer to Section *128 Decals – Product Identification, page 305* for MacDon product identification decals.
537. Refer to Section *129 Decals – Product Identification, Case IH, page 307* for Case product identification decals.
538. Refer to Section *130 Decals – Product Identification, New Holland, page 311* for New Holland product identification decals.

145 (Option) Flex Linkage Stop Repair







1042461

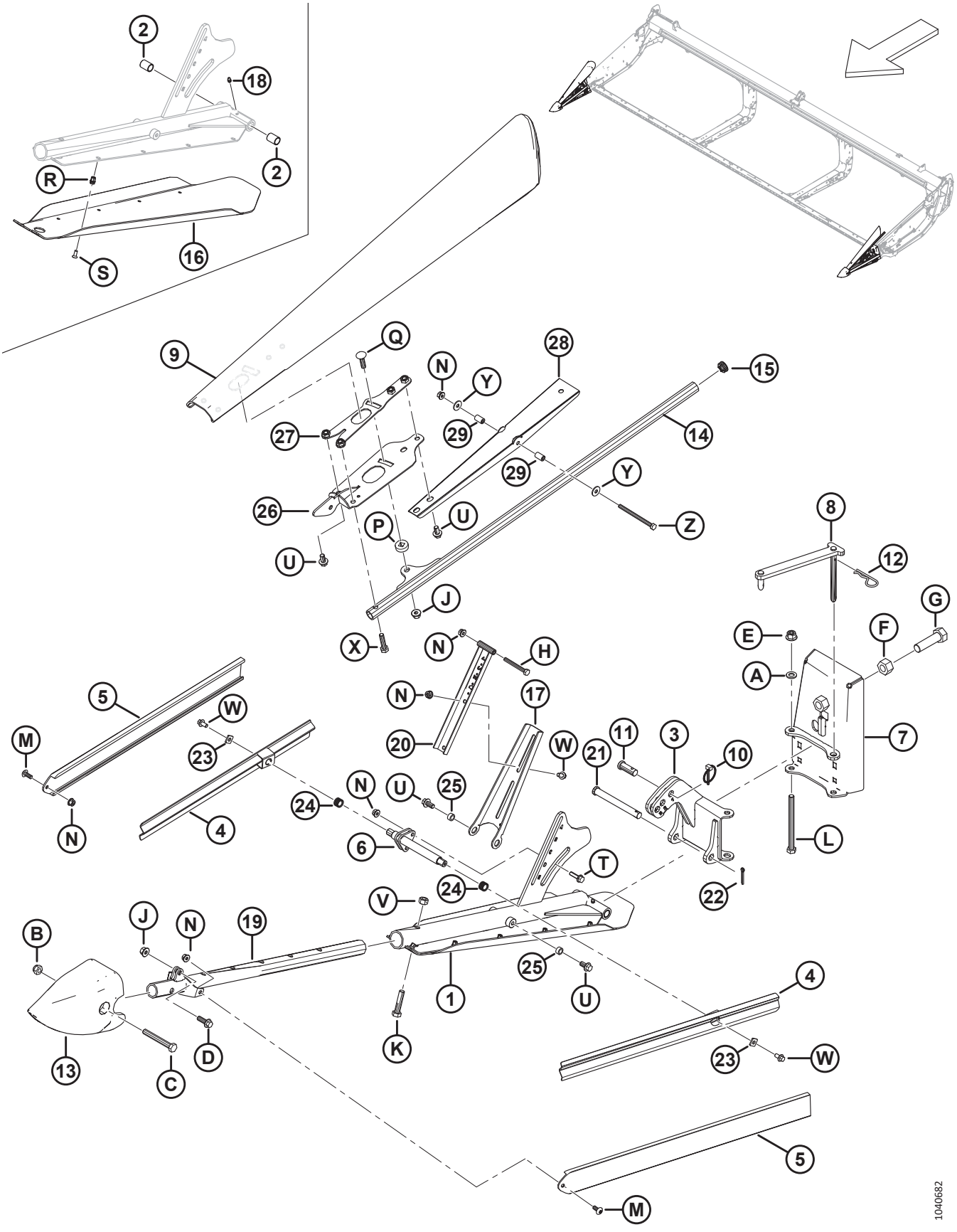
(OPTION) FLEX LINKAGE STOP REPAIR

IMPORTANT:

By receiving and installing this part, you assume all risk and liability of any nature arising out of the installation of this part. MacDon Industries Ltd. and its affiliates disclaim any and all liability arising from the installation of this part. Weld template (MD #360871) is available to simplify locating the stops. Welding should be performed by an individual certified by an accredited institute in your jurisdiction with the necessary welding qualifications and/or certifications.

Ref	Part Number	Description	Qty	Serial Number
1	360869	KIT – FLEX LINKAGE STOP REPAIR	1	
2	360871	TOOL – WELDT TEMPLATE	1	

146 (Option) Floating Crop Dividers

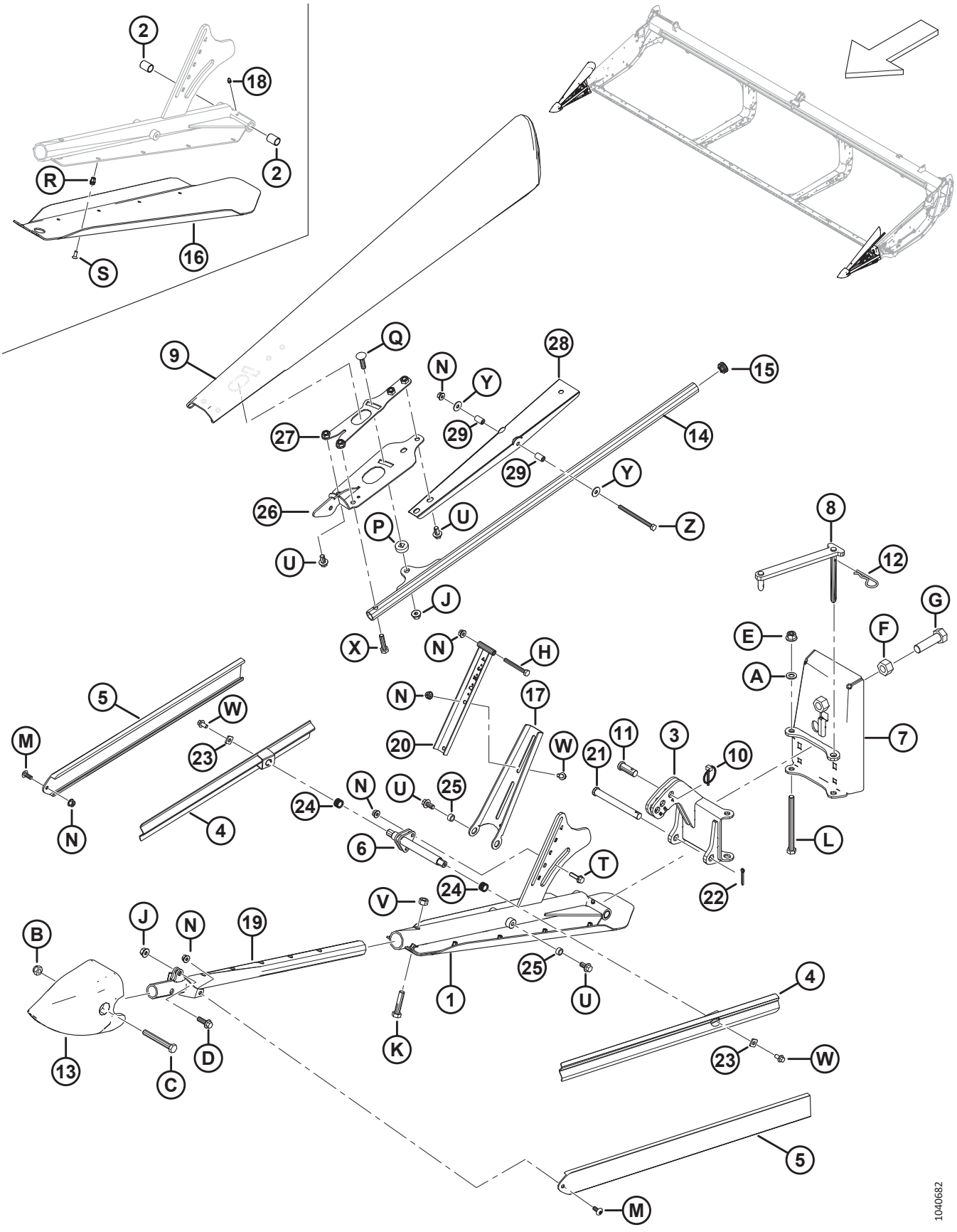


(OPTION) FLOATING CROP DIVIDERS

Ref	Part Number	Description	Qty	Serial Number
	B7346	KIT – FLOATING END DIVIDERS [539]		
1	360072	ASSY – LH SHOE SUPPORT [540]	1	
	360114	ASSY – RH SHOE SUPPORT [541]	1	
2	258391	BUSHING	4	
3	360079	HINGE WELDT – LH	1	
	360119	HINGE WELDT – RH	1	
4	360077	RAIL – DEFLECTOR WELDT	4	
5	360122	DEFLECTOR – EXTRUDED	4	
6	360106	WELDT – SIDE SUPPORT	2	
7	360069	REAR PLATE WELDT – LH	1	
	360134	REAR PLATE WELDT – RH	1	
8	360004	LINK WELDT – LH	1	
	360168	LINK WELDT – RH	1	
9	360723	DEFLECTOR – LH	1	
	360939	KIT – DEFLECTOR, LH [542]	A/R	
	360848	DEFLECTOR – RH	1	
	360940	KIT – DEFLECTOR, RH [543]	A/R	
10	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	2	
11	18619	PIN – CLEVIS	2	
12	13125	PIN – HAIR	2	
13	313461	CONE – DIVIDER	2	
14	360103	TUBE – WELDMENT	2	
15	335301	PLUG – PLASTIC, SNAP-IN	2	
16	340212	SHOE – LH	1	
	340210	SHOE – RH	1	
17	360110	SUPPORT – LH TOP DEFLECTOR	1	
	360120	SUPPORT – RH TOP DEFLECTOR	1	
18	18671	FITTING – LUBE 1/4-28 UNF	2	
19	360076	SUPPORT WELDT – FRONT	2	
20	360108	DEFLECTOR SUPPORT	2	
21	49378	PIN – CLEVIS	2	
22	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
23	233841	SUPPORT – DEFLECTOR	4	
24	26429	SPRING – COMPRESSION	4	

539. Kits are available through Whole Goods only.
540. The assembly includes one LH support weldment (NSS), one LH shoe (MD #340212), one grease fitting (MD #18671), two bushings (MD #258391), ten screws (MD #320220), and ten rivnuts (MD #320404).
541. The assembly includes one RH support weldment (NSS), one RH shoe (MD #340210), one grease fitting (MD #18671), two bushings (MD #258391), ten screws (MD #320220), and ten rivnuts (MD #320404).
542. The LH Deflector kit is used to service superseded LH deflector (MD #360095). The kit Includes one deflector channel (MD #360850), one left retainer (MD #360734), one left deflector (MD #360723), one left support (MD #360720), two pivot tubes (MD #360847), hardware, and instructions.
543. The RH Deflector kit is used to service superseded RH deflector (MD #360081). The kit includes one deflector channel (MD #360850), one right retainer (MD #360863), one right deflector (MD #360848), one right support (MD #360862), two pivot tubes (MD #360847), hardware, and instructions.

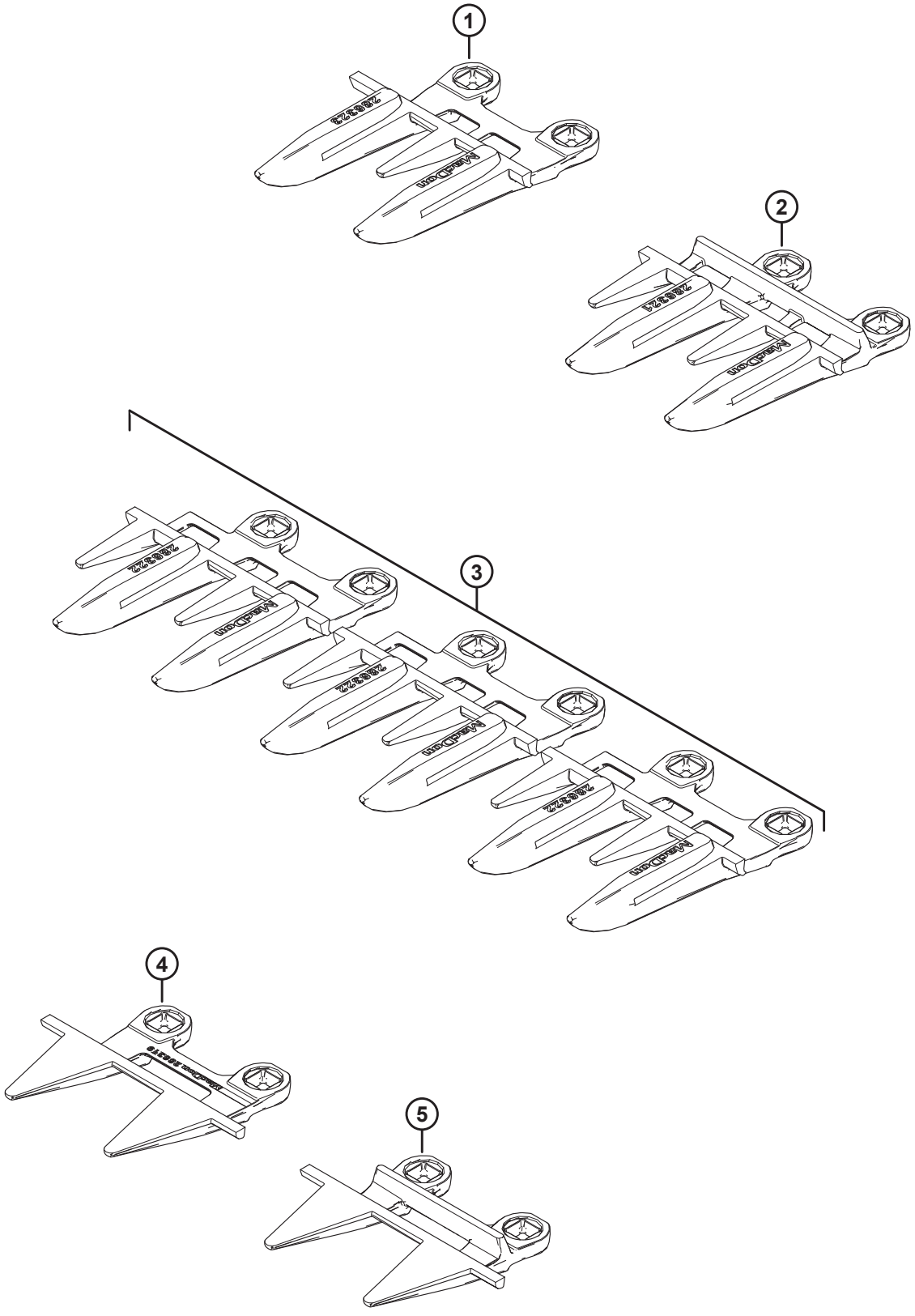
(OPTION) FLOATING CROP DIVIDERS



(OPTION) FLOATING CROP DIVIDERS

Ref	Part Number	Description	Qty	Serial Number
25	19542	SPACER	4	
26	360720	SUPPORT – LH WELDMENT	1	
	360862	SUPPORT – RH WELDMENT	1	
27	360734	RETAINER – LH WELDMENT	1	
	360863	RETAINER – RH WELDMENT	1	
28	360850	CHANNEL – TOP DEFLECTOR	2	
29	360847	TUBE – PIVOT	4	
A	184714	WASHER – FLAT REG M12-300HV		
B	184695	NUT – HEX NYLOC M12 X 1.75-8-AA1J		
C	184673	BOLT – HEX HD M12 X 1.75 X 90-10.9-AA1J		
D	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		
G	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
H	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
K	152779	BOLT – HEX HD M12 X 1.75 X 55-8.8-AA1J		
L	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		
M	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
N	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
P	360105	WASHER – SPECIAL		
Q	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
R	320404	RIVNUT – M6 X 1.0 HEX 1.0-3.5		
S	320220	SCREW – TORX CSK HD TFL M6 X 1 X 16-SPCL-8.8-ZINC		
T	252655	BOLT – HEX FLG HD TFL M8 X 1.25 X 30-8.8-AA1J		
U	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
V	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
W	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
X	135319	BOLT – HEX HD M10 X 1.5 X 40-8.8-AA1J		
Y	184709	WASHER – FLAT LARGE M8-200HV		
Z	135523	BOLT – HEX HD M8 X 1.25 X 110-8.8-AA1J		

147 (Option) Four-Point Guard Kits, Single Knife



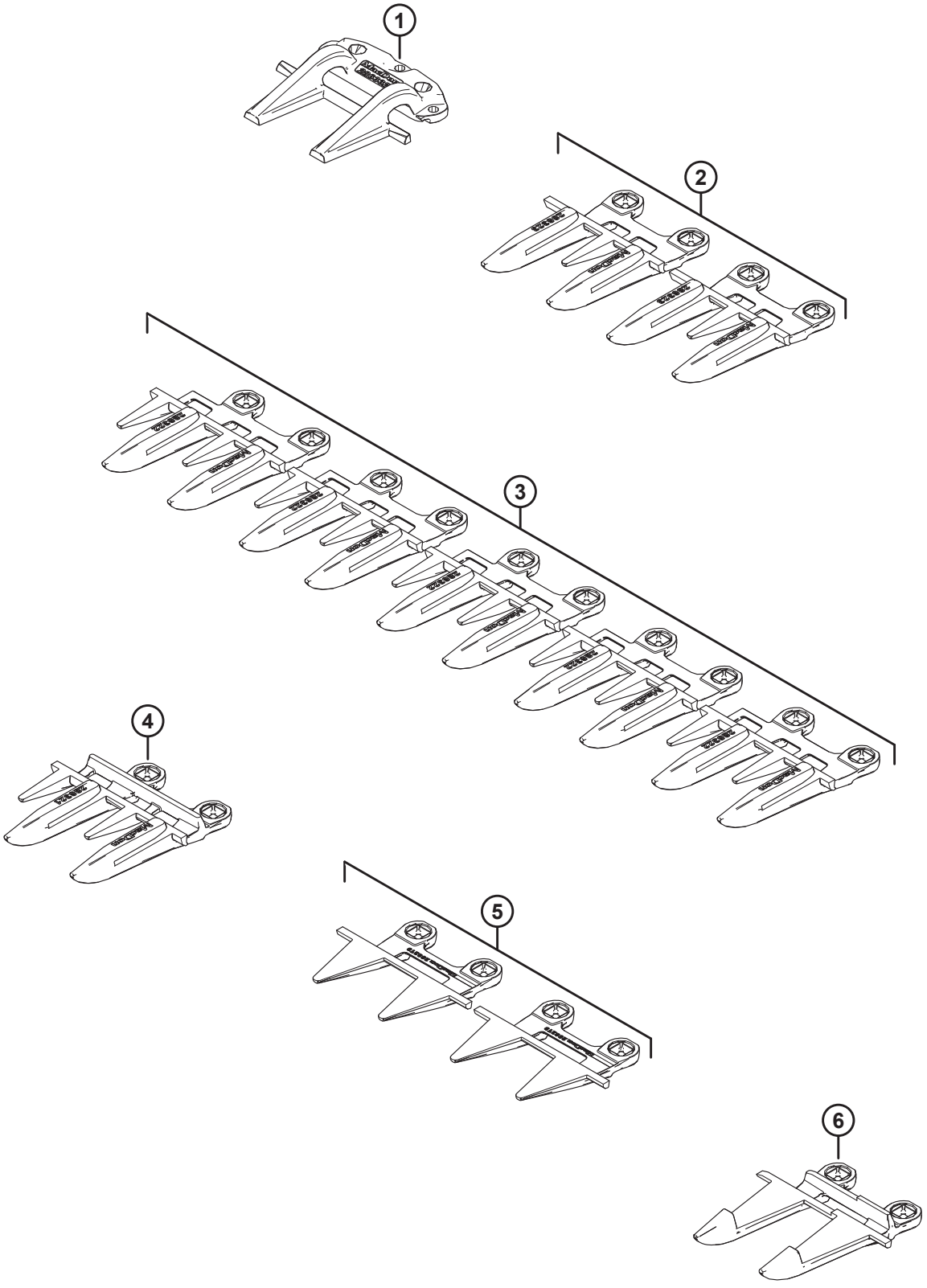
1039619

(OPTION) FOUR-POINT GUARD KITS, SINGLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	286690	KIT – 4 POINT GUARDS 25 FT SK [544]		
	286691	KIT – 4 POINT GUARDS 30 FT SK [544]		
	286692	KIT – 4 POINT GUARDS 35 FT SK [544]		
	286693	KIT – 4 POINT GUARDS 40 FT SK [544]		
1	286323	KNIFE GUARD – 4-POINT SPECIAL [545]	1	
2	286321	KNIFE GUARD – 4-POINT [546]		
3	286322	KNIFE GUARD – 4-POINT END [547]	3	
4	286319	KNIFE GUARD – PLUGFREE END [547]	1	
5	286318	KNIFE GUARD – PLUGFREE [545]	1	

544. The kits include all listed parts, refer to the individual parts for specific quantities.
545. Used at the right end of the header.
546. Quantities: FD225 = 44, FD230 = 54, FD235 = 64, FD240 = 74.
547. Used at the drive end of the header.

148 (Option) Four-Point Guard Kits, Double Knife



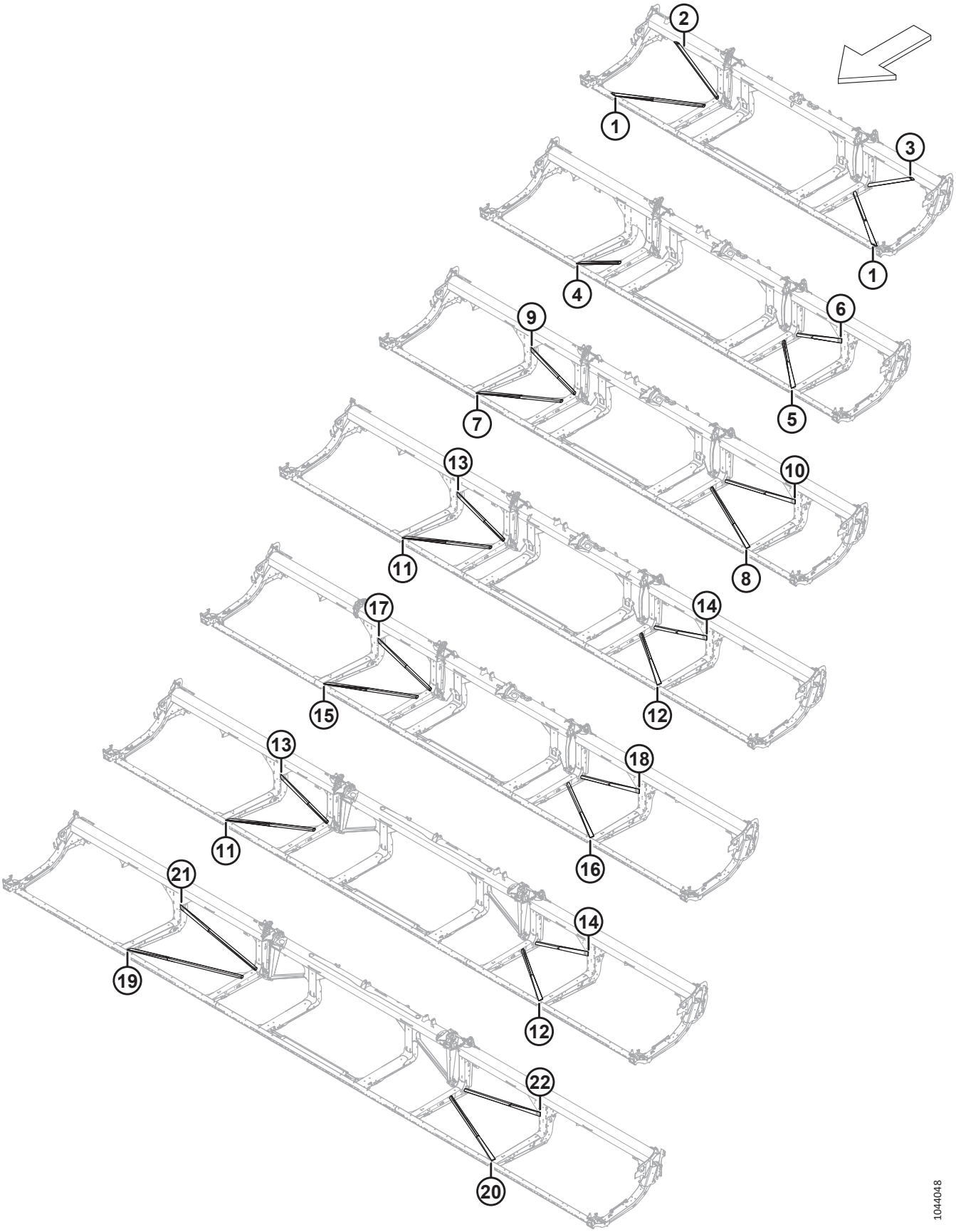
1039618

(OPTION) FOUR-POINT GUARD KITS, DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	286683	KIT – 4 POINT GUARDS 25 FT DK [548]		
	286684	KIT – 4 POINT GUARDS 30 FT DK [548]		
	286685	KIT – 4 POINT GUARDS 35 FT DK [548]		
	286686	KIT – 4 POINT GUARDS 40 FT DK [548]		
	286687	KIT – 4 POINT GUARDS 41 FT DK [548]		
	286688	KIT – 4 POINT GUARDS 45 FT DK [548]		
	286689	KIT – 4 POINT GUARDS 50 FT DK [548]		
1	286332	HOLD-DOWN – POINTED CENTER [549]	1	
2	286323	KNIFE GUARD – 4-POINT SPECIAL [550]	2	
3	286322	KNIFE GUARD – 4-POINT END [551]	5	
4	286321	KNIFE GUARD – 4-POINT [552]		
5	286319	KNIFE GUARD – PLUGFREE END [553]	2	
6	286317	KNIFE GUARD – POINTED CENTER [549]	1	

548. The kits include all listed parts; refer to the individual parts for specific quantities.
549. Used near the center of the header.
550. One 4-point special knife guard is used at the right end of the header, and to the left of the pointed center knife guard and pointed center hold-down.
551. Three 4-point end knife guards are used at the drive end of the header, and two 4-point end knife guards are used at the right end of the header.
552. Quantities: FD225 = 40, FD230 = 50, FD235 = 60, FD240 = 70, FD241 = 72, FD245 = 80, FD250 = 90.
553. One PlugFree™ end knife guard is used at each end of the header.

149 (Option) Header Frame – Brace Tube Kits



IMPORTANT:

Kits provided by MacDon Industries Ltd. in order to assist you in fixing damage caused by the end user to certain machinery manufactured by MacDon Industries Ltd. By receiving and installing these parts you assume all risk and liability of any nature arising out of the installation of this part. MacDon Industries Ltd. and its affiliates disclaim any and all liability arising from installation of this part. If installation of this part requires welding, such welding should be performed by an individual certified by an accredited institute in your jurisdiction with the necessary welding qualifications and/or certifications.

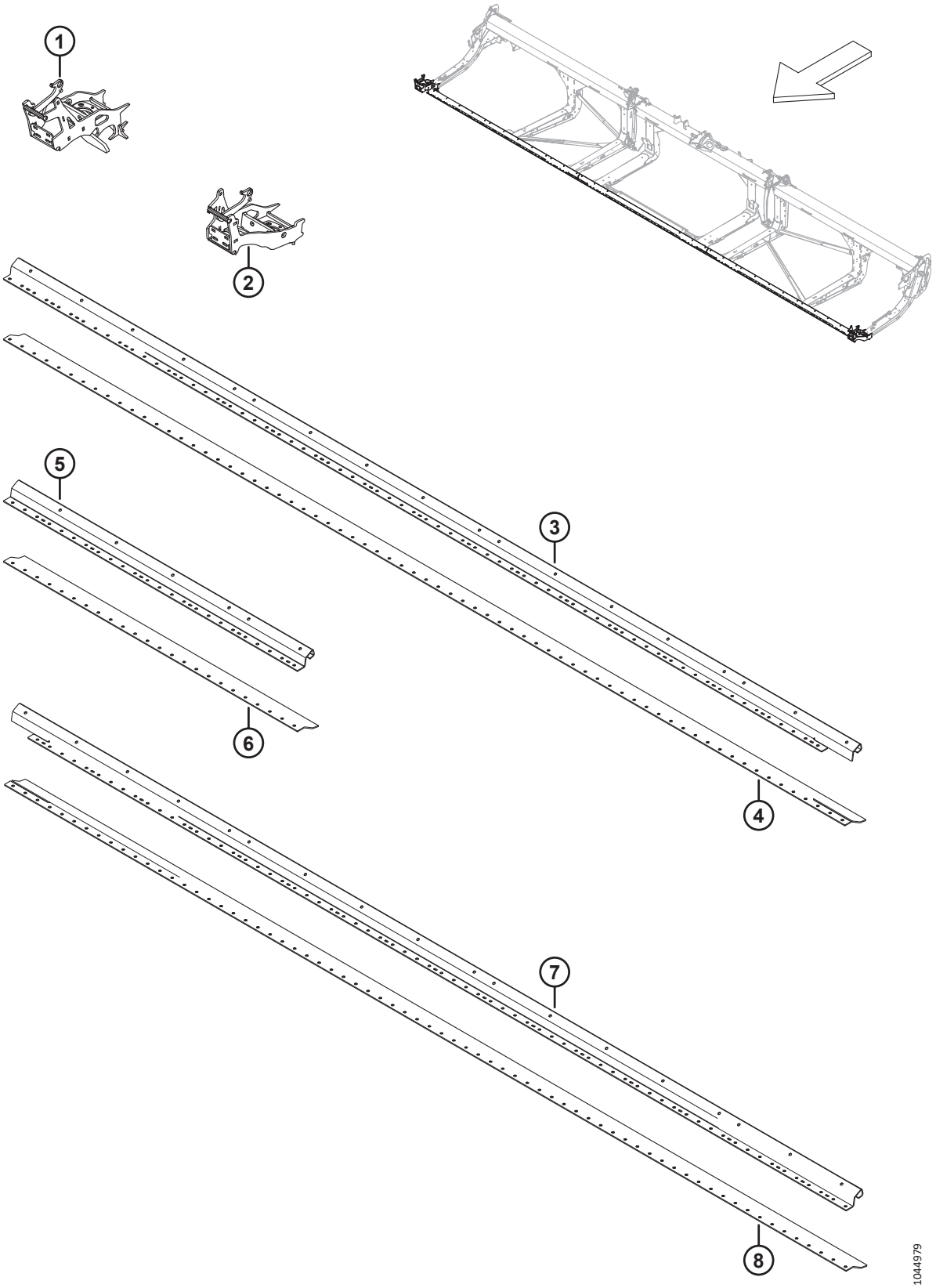
NOTE:

Brace kits can be used on single or double knife and regular or split frames.

Ref	Part Number	Description	Qty	Serial Number
1	368699	KIT – TUBE DIAG BRACE, 25 HOR [554]	2	
2	368700	KIT – TUBE DIAG BRACE, 25 V RH [554]	1	
3	368701	KIT – TUBE DIAG BRACE, 25 V LH [554]	1	
4	368702	KIT – TUBE DIAG BRACE, 30 H RH [554]	1	
5	368703	KIT – TUBE DIAG BRACE, 30 H LH [554]	1	
6	368704	KIT – TUBE DIAG BRACE, 30 V RH [554]	1	
7	368705	KIT – TUBE DIAG BRACE, 35 H RH [554]	1	
8	368707	KIT – TUBE DIAG BRACE, 35 H LH [554]	1	
9	368706	KIT – TUBE DIAG BRACE, 35 V RH [554]	1	
10	368708	KIT – TUBE DIAG BRACE, 35 V LH [554]	1	
11	368709	KIT – TUBE DIAG BRACE, 40/45 H RH [554]	1	
12	368711	KIT – TUBE DIAG BRACE, 40/45 H LH [554]	1	
13	368710	KIT – TUBE DIAG BRACE, 40/45 V RH [554]	1	
14	368712	KIT – TUBE DIAG BRACE, 40/45 V LH [554]	1	
15	368713	KIT – TUBE DIAG BRACE, 41 H RH [554]	1	
16	368715	KIT – TUBE DIAG BRACE, 41 H LH [554]	1	
17	368714	KIT – TUBE DIAG BRACE, 41 V RH [554]	1	
18	368716	KIT – TUBE DIAG BRACE, 41 V LH [554]	1	
19	368717	KIT – TUBE DIAG BRACE, 50 H RH [554]	1	
20	368719	KIT – TUBE DIAG BRACE, 50 H LH [554]	1	
21	368718	KIT – TUBE DIAG BRACE, 50 V RH [554]	1	
22	368720	KIT – TUBE DIAG BRACE, 50 V LH [554]	1	

554. The kit includes one formed tube (NSS) and one decal (NSS).

150 (Option) Header Frame – Knife Drive Box Mount and Cutterbar Repair Kits

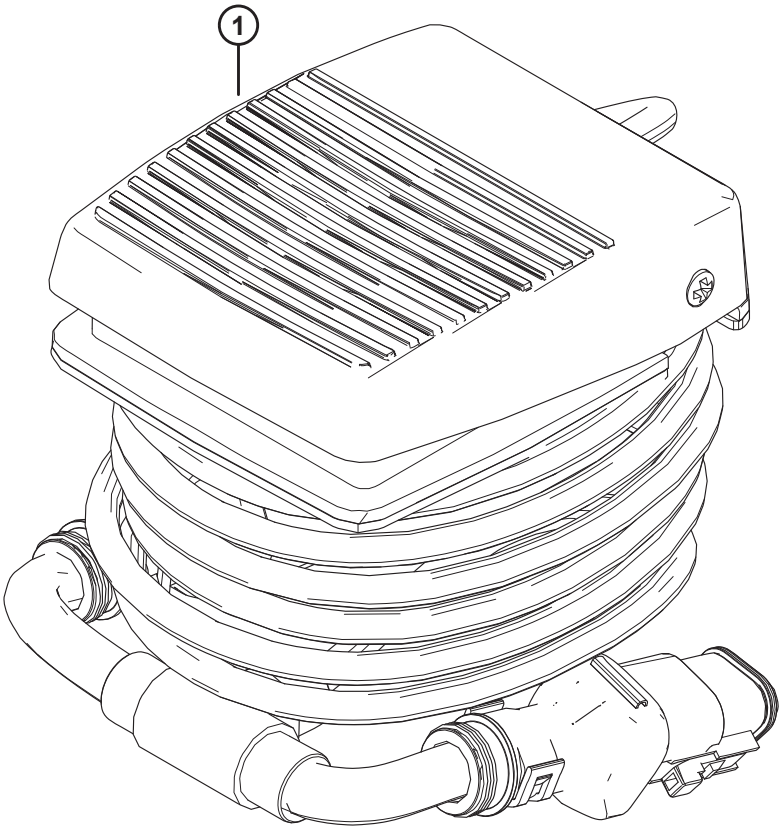


IMPORTANT:

Kits provided by MacDon Industries Ltd. in order to assist you in fixing damage caused by the end user to certain machinery manufactured by MacDon Industries Ltd. By receiving and installing these parts you assume all risk and liability of any nature arising out of the installation of this part. MacDon Industries Ltd. and its affiliates disclaim any and all liability arising from installation of this part. If installation of this part requires welding, such welding should be performed by an individual certified by an accredited institute in your jurisdiction with the necessary welding qualifications and/or certifications.

Ref	Part Number	Description	Qty	Serial Number
1	**368949**	**KIT – RH WOBBLE BOX MOUNT**	**1**	
2	**368948**	**KIT – LH WOBBLE BOX MOUNT**	**1**	
3	**378050**	**KIT – CBAR 5238 MM RH TOP**	**A/R**	
4	**378052**	**KIT – CBAR 5238 MM RH BOTTOM**	**A/R**	
5	**378085**	**KIT – CBAR 1829 MM TOP**	**A/R**	
6	**378087**	**KIT – CBAR 1829 MM BOTTOM**	**A/R**	
7	**378046**	**KIT – CBAR 5238 MM LH TOP**	**A/R**	
8	**378048**	**KIT – CBAR 5238 MM LH BOTTOM**	**A/R**	

151 (Option) Header Tilt Foot Switch



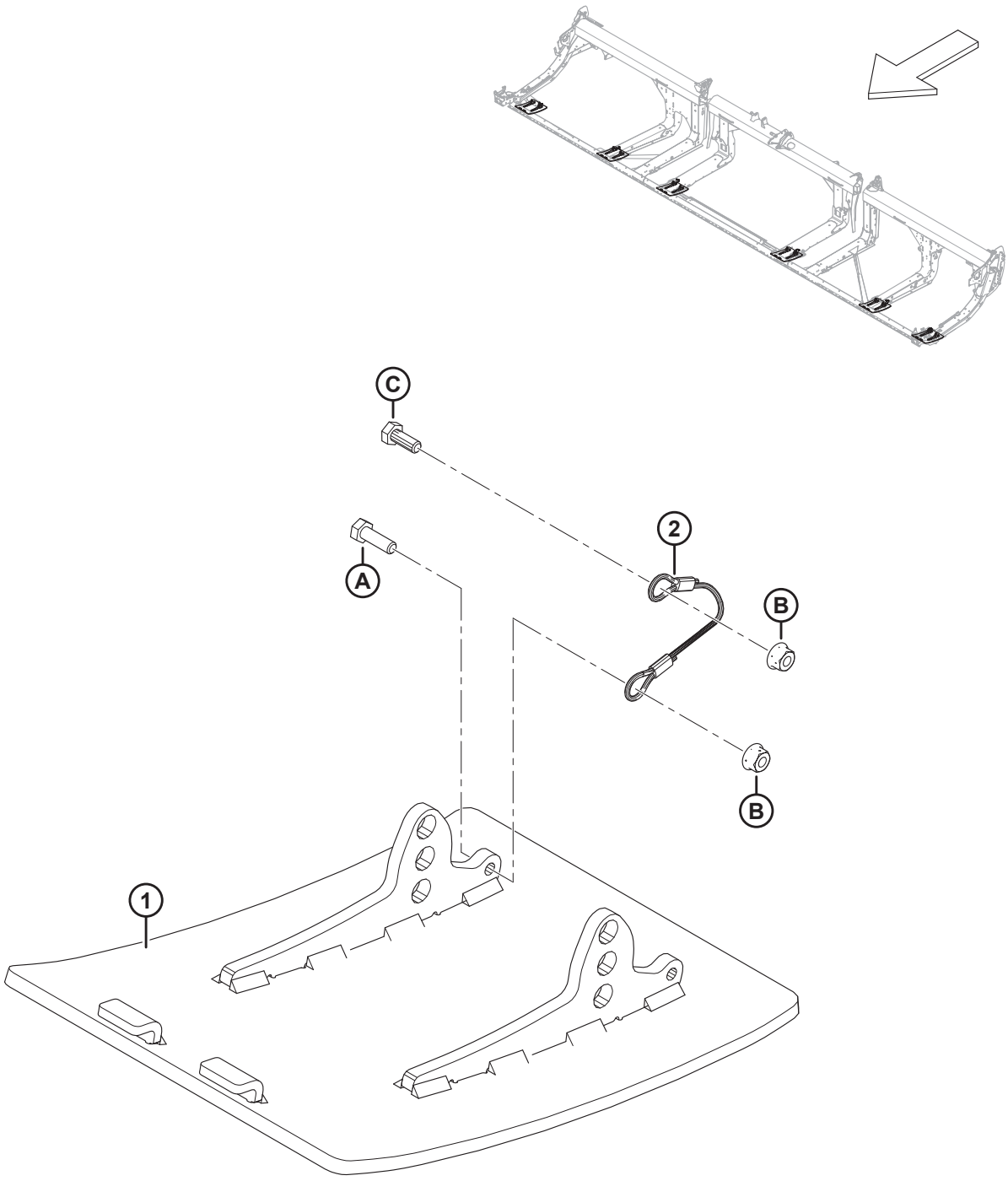
1035065

(OPTION) HEADER TILT FOOT SWITCH

Ref	Part Number	Description	Qty	Serial Number
	B7040	KIT – FOOTSWITCH TILT/FOREAFT [555]		
1	**314581**	**FOOT PEDAL WITH HARNESS**	**1**	
	335563	DECAL – CONTOUR WHL FT SWITCH	1	
	335564	DECAL – TILT CONTROL FOOT SW	1	

555. Optional in-cab foot switch is used to activate header tilt for John Deere S600/700-Series/70-Series combines, and Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines. Kits are available through Whole Goods only.

152 (Option) High Wear Skid Shoes



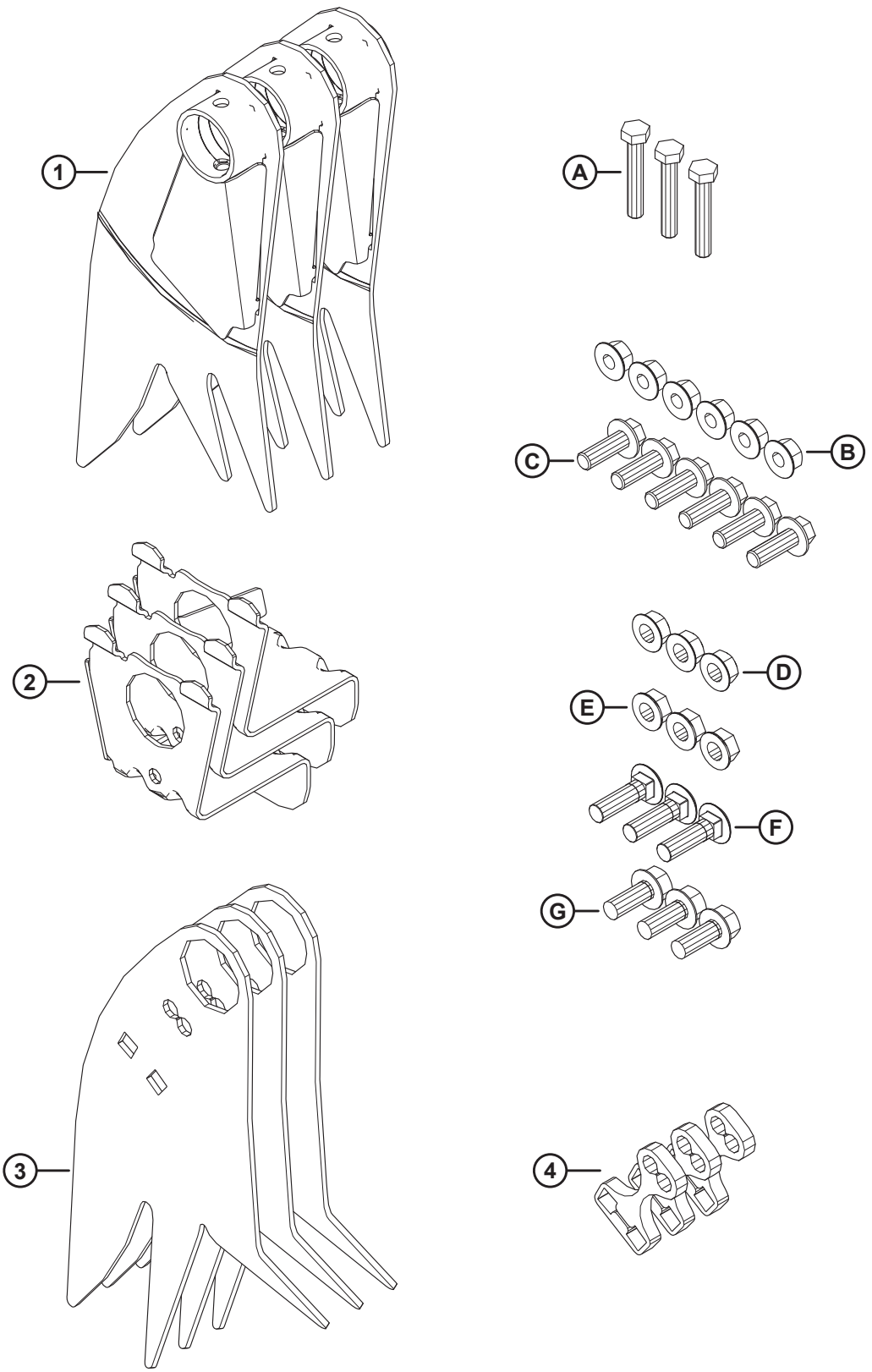
1034768

(OPTION) HIGH WEAR SKID SHOES

Ref	Part Number	Description	Qty	Serial Number
	B6801	KIT – HIGH WEAR, ABRASION RESISTANT STEEL SKID SHOES [556]		
1	313374	WELDT – HIGH WEAR SHOE	2	
2	312673	CABLE – STOP	2	
A	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	30715	BOLT – HEX HD TFL		

556. The kit includes two high wear steel skid shoes, two cable stops, hardware, and instructions. Two kits are required for FD225 headers. Three kits are required for FD230 and larger headers. Kits are available through Whole Goods only.

153 (Option) Lodged Crop Reel Fingers



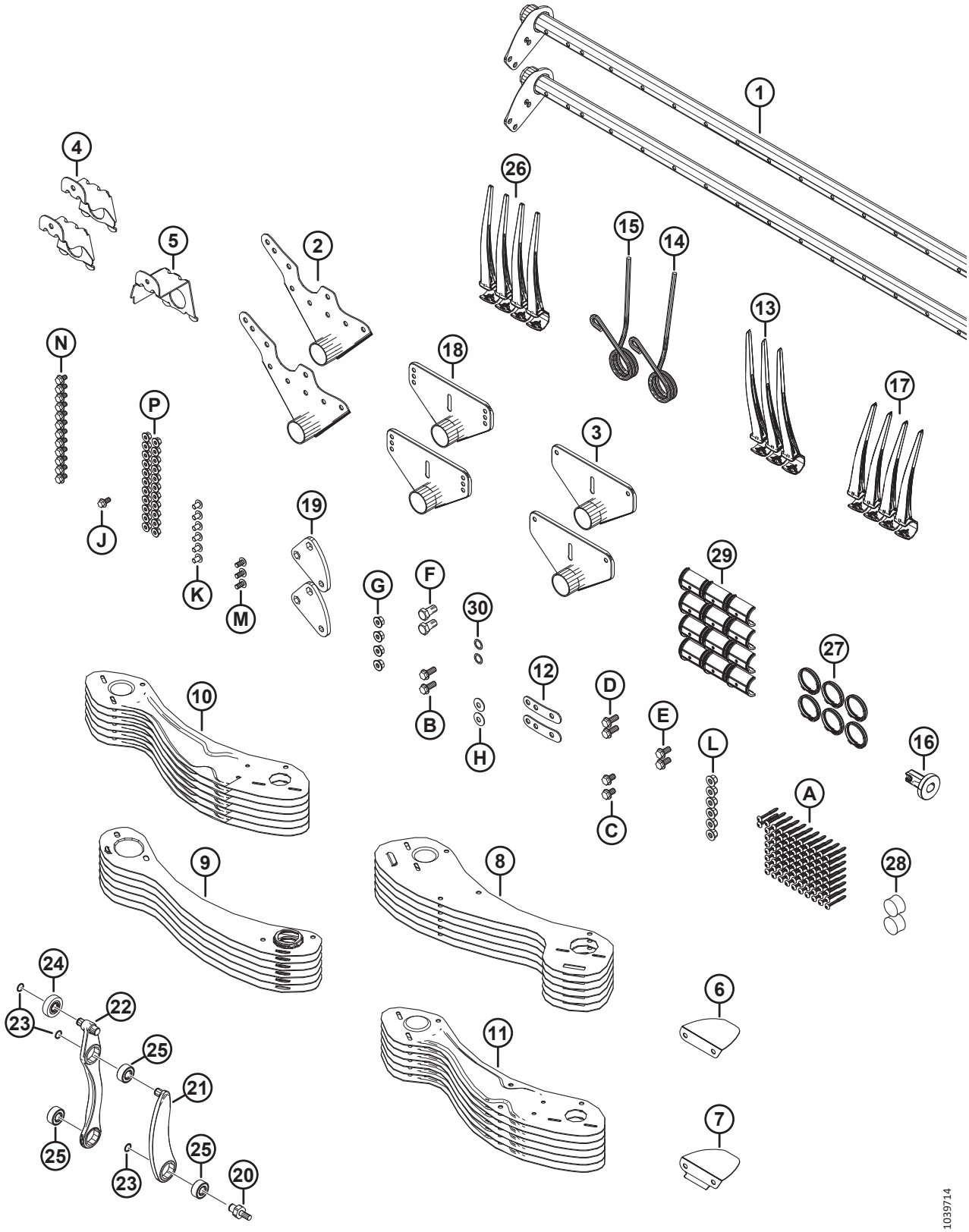
1041518

(OPTION) LODGED CROP REEL FINGERS

Ref	Part Number	Description	Qty	Serial Number
	B7230	KIT – LODGED CROP FINGER [557]		
1	360045	WELDT – TAIL END RIGID FINGER	3	
2	340091	SUPPORT – WELDT	3	
3	360044	FINGER – RIGID	3	
4	273615	SHIM	3	
A	184664	BOLT – HEX HD M10 X 1.5 X 60-8.8-AA1J		
B	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		
C	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-AA1J		
D	21383	NUT – FLG SER FACE 1/2-13 UNC GR5 AA1J		
E	50186	NUT – FLG LK DT 1/2-13 UNC GR5 AA1J		
F	30515	BOLT – RHSN 1/2-13 X 1.75-GR5-AA1J		
G	30368	BOLT – HH FLG SER 1/2-13 X 1.25-GR5-AA1J		

557. The Lodged Crop Reel Fingers kit includes three fingers for the cam end of the reel, three fingers for the tail end of the reel, three supports, three shims, all listed hardware, and instructions. Lodged crop reel fingers are **NOT** compatible with the Wide Draper Deflector kit. Kits are available through Whole Goods only.

154 (Option) Reel Tine Tube Conversion Kits – Double Reel, 5 Bat to 6 Bat

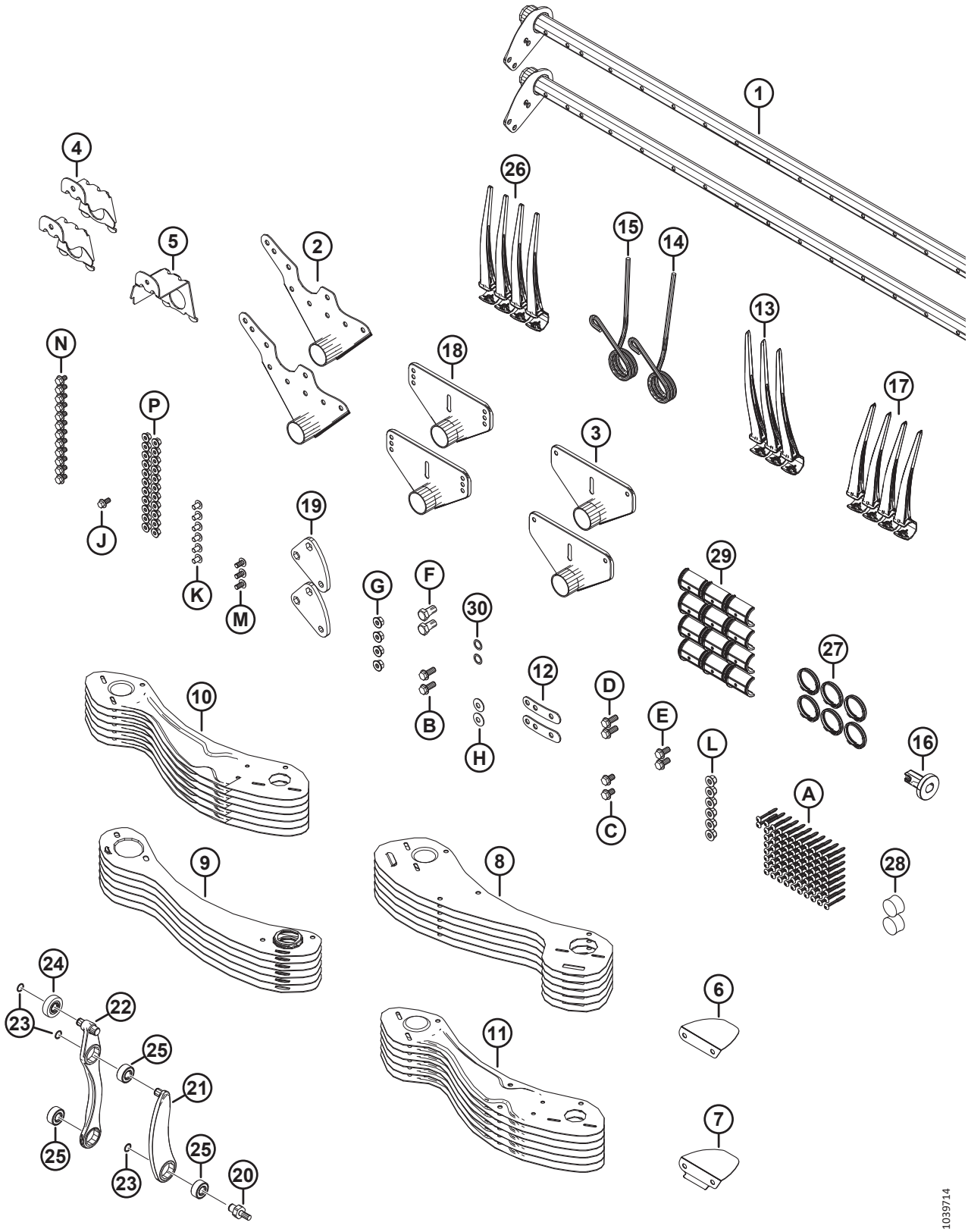


(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 5 BAT TO 6 BAT

Ref	Part Number	Description	Qty	Serial Number
	B7357	KIT – 30FT DR 5B TO 6B CONV. [558]		
	B7358	KIT – 35FT DR 5B TO 6B CONV. [558]		
	B7359	KIT – 41FT DR 5B TO 6B CONV. [558]		
1	311365	TINE TUBE – 30FT DR WIDE	2	
	311210	TINE TUBE – 35FT DR WIDE	2	
	311306	TINE TUBE – 41FT DR WIDE	2	
2	335924	ARM WELDT – CAM END	2	
3	311347	ARM WELDT – TAIL END	2	
4	311964	SUPPORT – WELDT CAM END	2	
5	311965	SUPPORT – WELDT TAIL END [559]	1	
6	311906	DEFLECTOR – CAM INBOARD	1	
7	311729	DEFLECTOR – CAM OUTBOARD	1	
8	273813	SHIELD – 6 BAT LH REEL CAM END	6	
9	311822	SHIELD – 6 BAT RH REEL TAIL END	6	
10	311753	SHIELD – OUTBOARD LH 6 BAT	6	
11	311752	SHIELD – OUTBOARD RH 6 BAT	6	
12	311672	STRAP	2	
13	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10) [560]		
14	**368766**	**FINGER – CAM END BENT**	**1**	
15	311325	FINGER – CAM END OUTBOARD	1	
16	273968	BUSHING – ENDSHIELD	1	
17	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10) [561]	4	
18	273523	ARM WELDT – MID SPAN [562]		
19	228319	ARM – CRANK MACHINING	2	
20	340146	STUD	2	
21	311615	ARM – ASSEMBLY [563]	2	
22	311617	ARM – TINE CONTROL ASSY [564]	2	
23	273536	RING – RETAINING	6	
24	273524	BEARING – CAM FOLLOWER	2	
25	273347	BEARING	6	
26	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10) [565]		
27	220941	CLAMP – TINE TUBE BUSHING-CENTER RIB (BOX OF 5) [566]		
28	137980	PLUG – TINE TUBE [567]		

558. Kits are available through Whole Goods only.
559. FD230 only.
560. Quantities (individual fingers): FD230 = 3, FD235 = 2, FD241 = 2. Angled plastic fingers are sold in packs of 10 only.
561. Quantity listed is for individual fingers. Angled plastic fingers are sold in packs of 10 only.
562. Quantities: FD230 = 2, FD235 = 4, FD241 = 4.
563. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).
564. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).
565. Quantities (individual fingers): FD230 = 76, FD235 = 89, FD241 = 106. Plastic fingers are sold in packs of 10 only.
566. Quantities (individual clamps): FD230 = 6, FD235 = 8, FD241 = 8. Clamps are sold in packs of 5 only.
567. Quantities: FD230 = 2, FD235 = 3, FD241 = 3.

(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 5 BAT TO 6 BAT

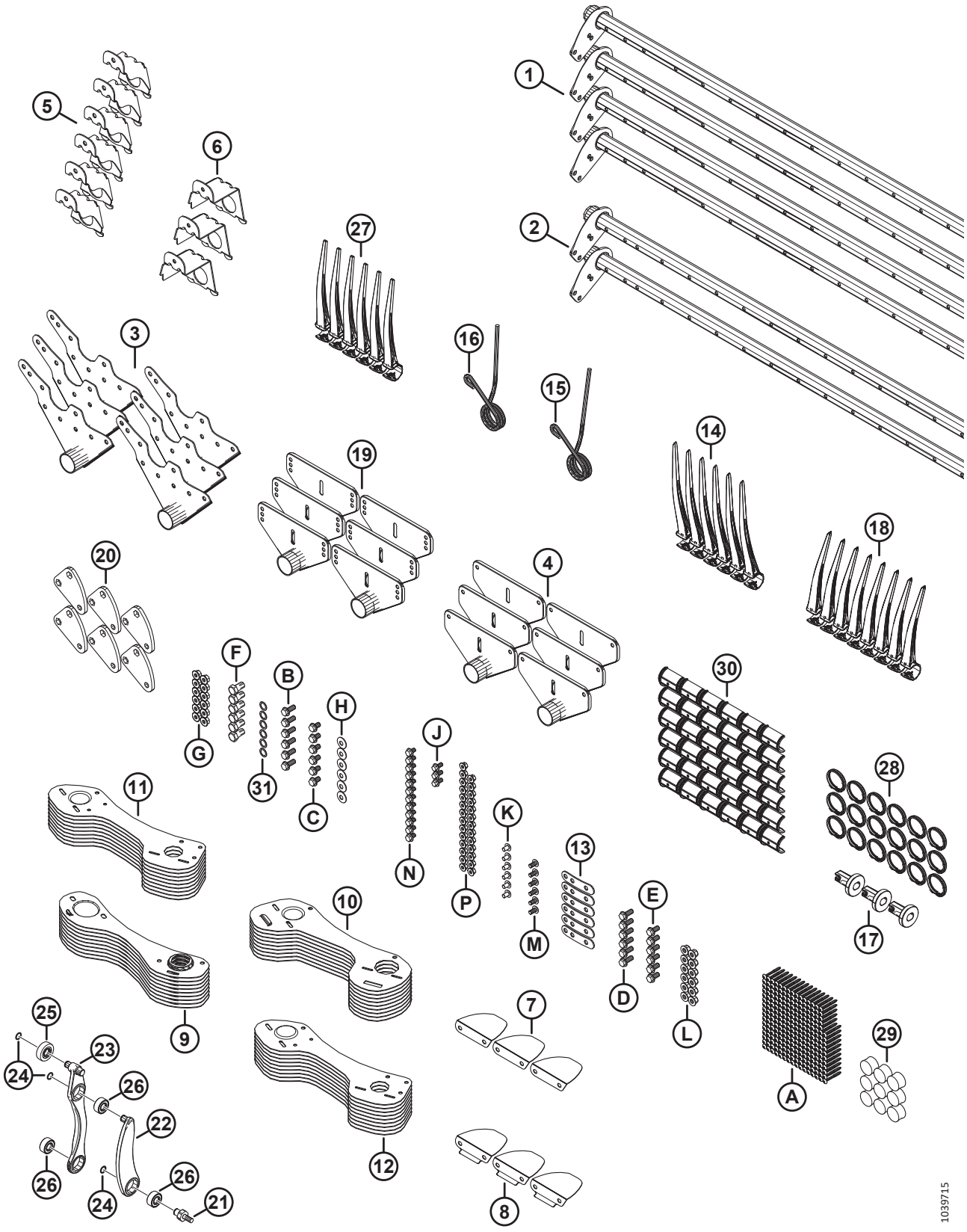


(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 5 BAT TO 6 BAT

Ref	Part Number	Description	Qty	Serial Number
29	220939	TINE TUBE BUSHING (BOX OF 25) [568]		
30	137529	SHIM – CRANK BEARING	2	
A	252687	SCREW – 48° PLASTITE TWIN HELIX		
B	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
C	320187	BOLT – HEX FLG HD M12 X 1.75 X 20-SPCL-8.8-ZINC		
D	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
E	320175	BOLT – HEX FLG HD TFLM12 X 1.75 X 25-SPCL-8.8-ZINC		
F	228316	BOLT – HEX HD M16 X 1.5 X 30-SPCL-8.8-ZINC		
G	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		
H	184597	WASHER – CON SPRING M12-ZINC		
J	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
K	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
L	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
M	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
N	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
P	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

568. Quantities (individual bushings): FD230 = 12, FD235 = 16, FD241 = 16. Tine tube bushings are sold in packs of 25 only.

155 (Option) Reel Tine Tube Conversion Kits – Double Reel, 6 Bat to 9 Bat

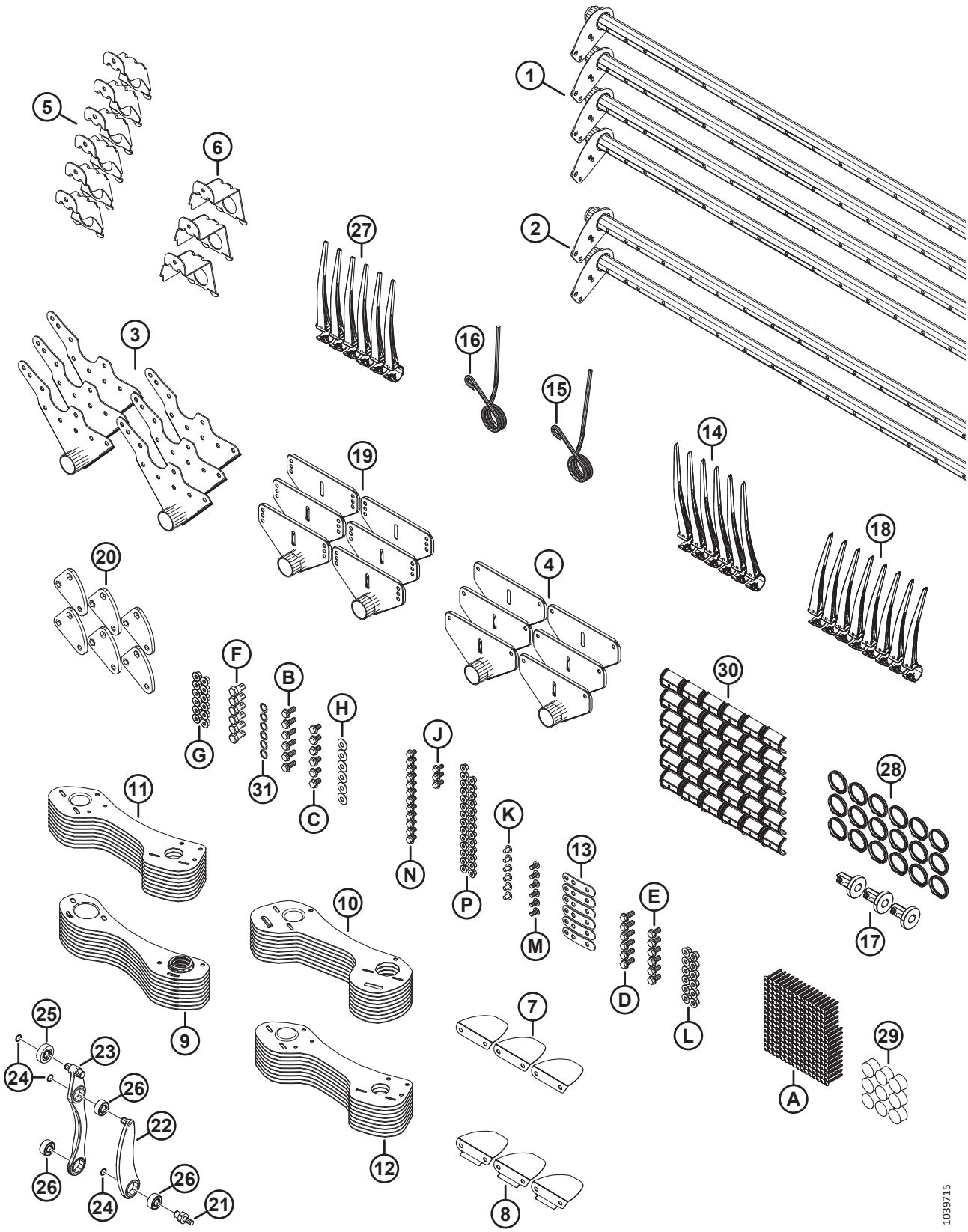


(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 6 BAT TO 9 BAT

Ref	Part Number	Description	Qty	Serial Number
	B7362	KIT – 30FT DR 6B TO 9B CONV. [569]		
1	311368	TINE TUBE – 30FT DR NARROW	4	
2	311365	TINE TUBE – 30FT DR WIDE	2	
3	335924	ARM WELDT – CAM END	6	
4	311347	ARM WELDT – TAIL END	6	
5	311964	SUPPORT – WELDT CAM END	6	
6	311965	SUPPORT – WELDT TAIL END	3	
7	311906	DEFLECTOR – CAM INBOARD	3	
8	311729	DEFLECTOR – CAM OUTBOARD	3	
9	311870	SHIELD – 9 BAT RH REEL, TAIL END	9	
10	311868	SHIELD – 9 BAT LH REEL, CAM END	9	
11	311864	SHIELD – OUTBOARD LH 9 BAT	9	
12	311863	SHIELD – OUTBOARD RH 9 BAT	9	
13	311672	STRAP	6	
14	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10) [570]	6	
15	**368766**	**FINGER – CAM END BENT**	**3**	
16	311325	FINGER – CAM END OUTBOARD	3	
17	273968	BUSHING – ENDSHIELD	3	
18	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10) [570]	8	
19	273523	ARM WELDT – MID SPAN	6	
20	228319	ARM – CRANK MACHINING	6	
21	340146	STUD	6	
22	311615	ARM – ASSEMBLY [571]	6	
23	311617	ARM – TINE CONTROL ASSY [572]	6	
24	273536	RING – RETAINING	18	
25	273524	BEARING – CAM FOLLOWER	6	
26	273347	BEARING	18	
27	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10) [573]	237	
28	220941	CLAMP – TINE TUBE BUSHING, CENTER RIB (BOX OF 5) [574]	18	
29	137980	PLUG – TINE TUBE	9	
30	220939	TINE TUBE BUSHING (BOX OF 25) [575]	36	
31	137529	SHIM – CRANK BEARING	6	
A	252687	SCREW – 48° PLASTITE TWIN HELIX		
B	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
C	320187	BOLT – HEX FLG HD M12 X 1.75 X 20-SPCL-8.8-ZINC		
D	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		

569. Kits are available through Whole Goods only.
570. Quantity listed is for individual fingers. Angled plastic fingers are sold in packs of 10 only.
571. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).
572. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).
573. Quantity listed is for individual fingers. Plastic fingers are sold in packs of 10 only.
574. Quantity listed is for individual clamps. Tine tube bushing clamps are sold in packs of 5 only.
575. Quantity listed is for individual bushings. Tine tube bushings are sold in packs of 25 only.

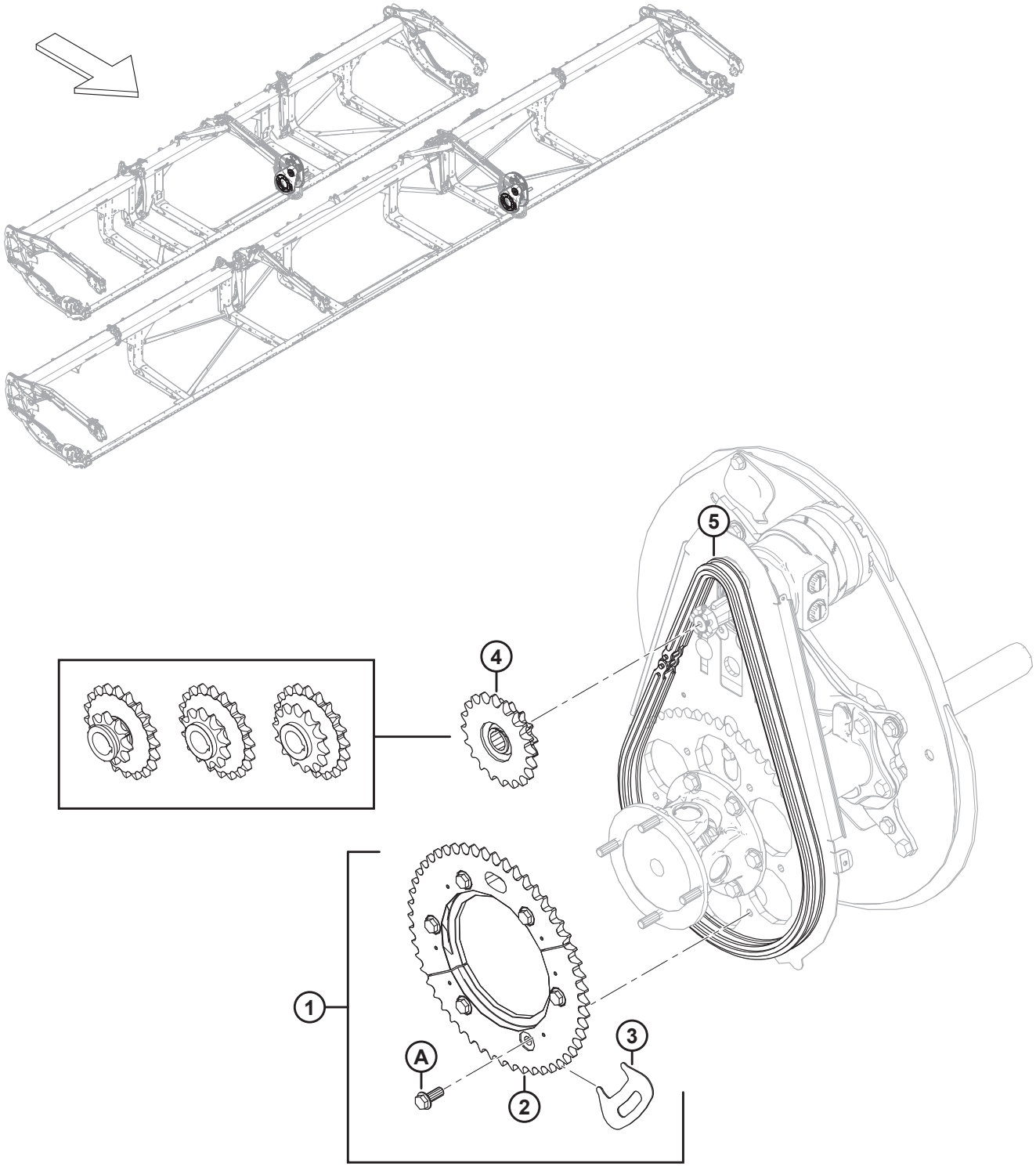
(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 6 BAT TO 9 BAT



(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 6 BAT TO 9 BAT

Ref	Part Number	Description	Qty	Serial Number
E	320175	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-SPCL-8.8-ZINC		
F	228316	BOLT – HEX HD M16 X 1.5 X 30-SPCL-8.8-ZINC		
G	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		
H	184597	WASHER – CON SPRING M12-ZINC		
J	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
K	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
L	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
M	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
N	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
P	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

156 (Option) Reel – Drive, Two Speed Kit



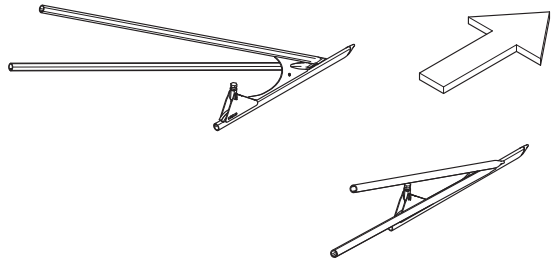
1032643

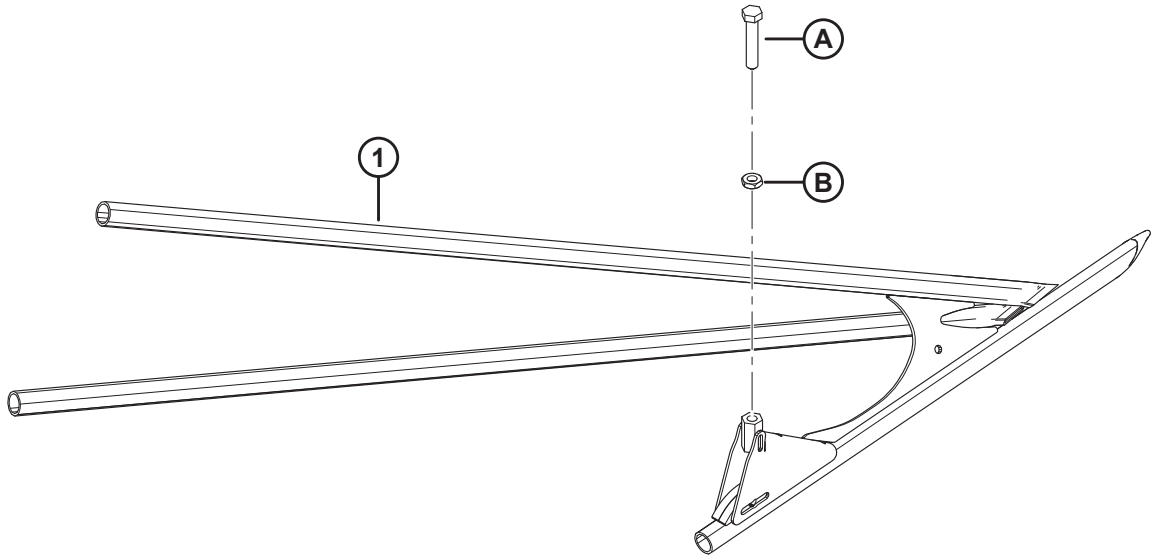
(OPTION) REEL – DRIVE, TWO SPEED KIT

Ref	Part Number	Description	Qty	Serial Number
1	311882	KIT – 2 SPEED [576]	1	
2	**NSS**	SPROCKET – MACHINED 52 T	1	
3	**NSS**	TOOL – SPROCKET	1	
4	273451	SPROCKET – DUAL 10-20 (CASE IH 7160/9260, CLAAS 700, 5000, 6000, 7000, AND 8000 SERIES, AND JOHN DEERE 50, 60, 70 STS) [577]	1	
	273452	SPROCKET – DUAL 12-20 (CLAAS 500 SERIES, GLEANER, IDEAL, MASSEY FERGUSON, NEW HOLLAND CX 5/6, AND JOHN DEERE S670/S770 AND SMALLER) [578]	1	
	273453	SPROCKET – DUAL 14-20 (CASE IH AF9/AF10/AF11, NEW HOLLAND CR-SERIES AND CR10/CR11, AND JOHN DEERE S680/S780, X9 SERIES, S7 SERIES AND LARGER) [579]	1	
5	273907	CHAIN – RC 60 ENDLESS 76 LINKS [580]	OPT	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS [580]	OPT	
A	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		

576. The kit includes one 52-tooth machined sprocket (NSS), one sprocket tool (NSS), six bolts (MD #320192), and instructions. Order drive sprocket (item #4) separately.
577. Used for Case IH 7160/9260-Series and prior, CLAAS 700, 5000, 6000, 7000 and 8700 Series, and John Deere 50, 60 and 70 STS combines. 2000 psi reel drive circuit pressure.
578. Used for CLAAS 500 Series, Gleaner®, IDEAL™, Massey Ferguson®, New Holland CX 5/6, and John Deere S670/S770 and smaller combines. 2500 psi reel drive circuit pressure.
579. Used for Case IH AF9/AF10/AF11, New Holland CR-Series and CR10/CR11, John Deere S680/S780, X9 Series, and S7 Series and larger combines. 3000 psi reel drive circuit pressure.
580. The chain is **NOT** included in kit (MD #311882). A new chain is recommended if the kit is being installed on a unit with hours and it is not a new header. A worn chain will affect the register of the sprocket halves to one another.

157 (Option) Rice Divider Rods





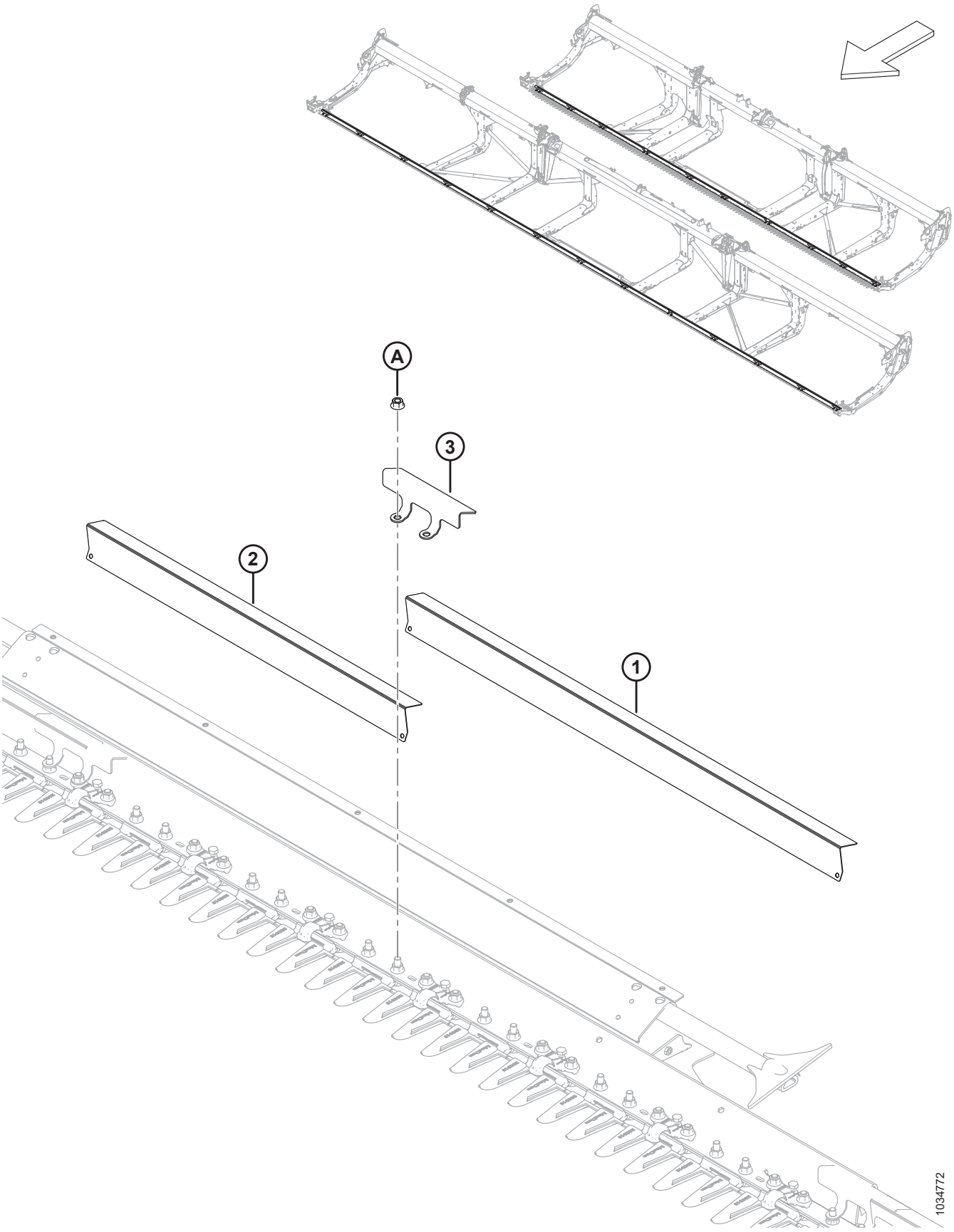
1034744

(OPTION) RICE DIVIDER RODS

Ref	Part Number	Description	Qty	Serial Number
	B7238	RICE DIVIDER RODS [581]		
1	340095	DIVIDER – RICE LH TUBE WELDT	1	
	340096	DIVIDER – RICE RH TUBE WELDT	1	
A	232762	SET SCREW – MACHINED		
B	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		

581. Kits are available through Whole Goods only.

158 (Option) Rock Retarder Kit



(OPTION) ROCK RETARDER KIT

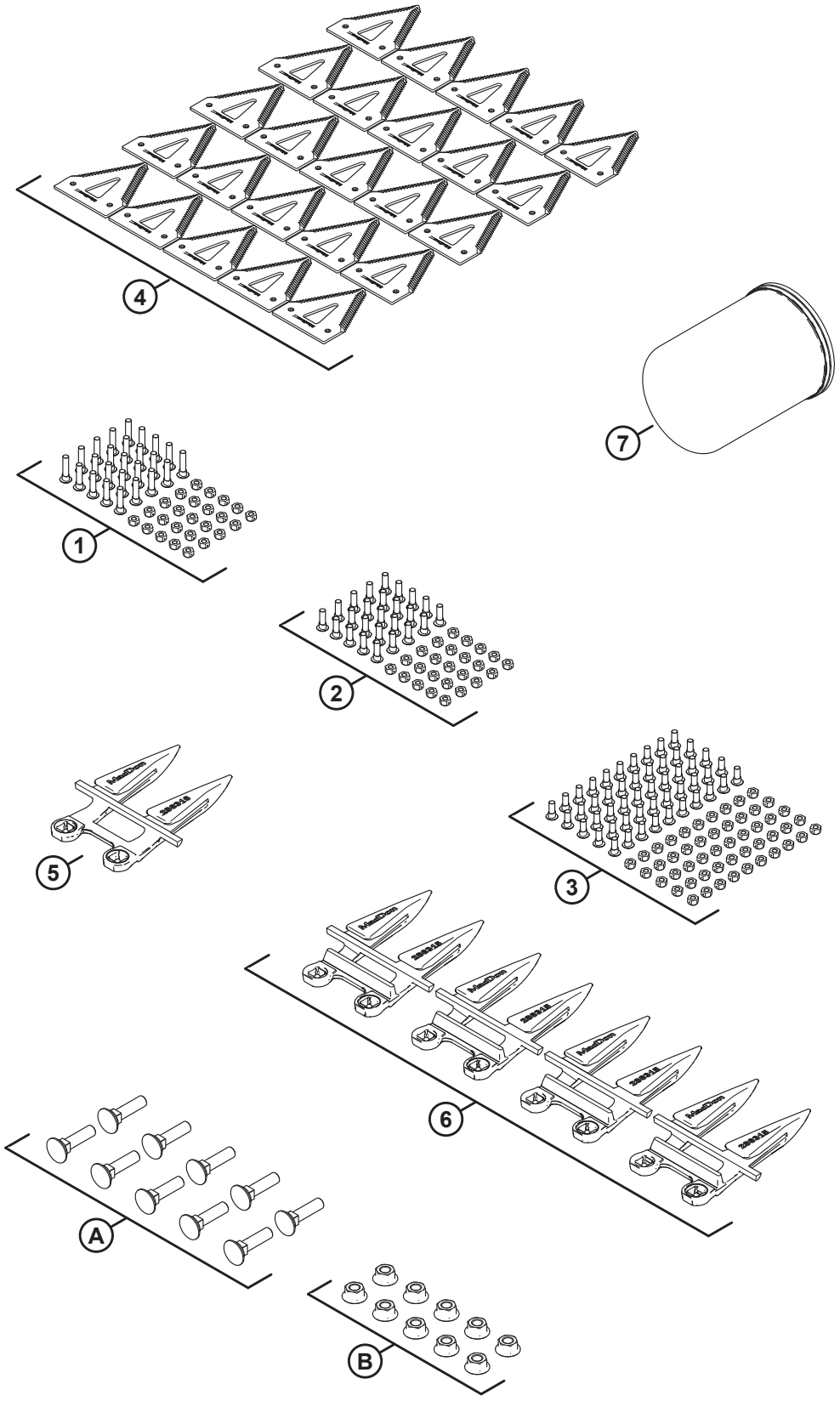
NOTE:

FD261 Headers require one of kit B7122 and one of kit B7123.

Ref	Part Number	Description	Qty	Serial Number
	B7122	KIT – ROCK RETARDER, FD225, FD230, FD235, AND FD241 [582]		
	B7123	KIT – ROCK RETARDER KIT, FD240, FD245, AND FD250 [582]		
1	233800	DEFLECTOR – ROCK GUARD LONG [583]		
2	233799	DEFLECTOR – ROCK GUARD SHORT [584]		
3	233635	CLAMP – ROCK GUARD [585]		
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

582. Kits are available through Whole Goods only.
583. Quantities per kit: B7122 = 4, B7123 = 10.
584. Quantities per kit: B7122 = 9, B7123 = 4.
585. Quantities per kit: B7122 = 14, B7123 = 15.

159 (Option) Service Kit – Pointed Guards, Coarse Knives



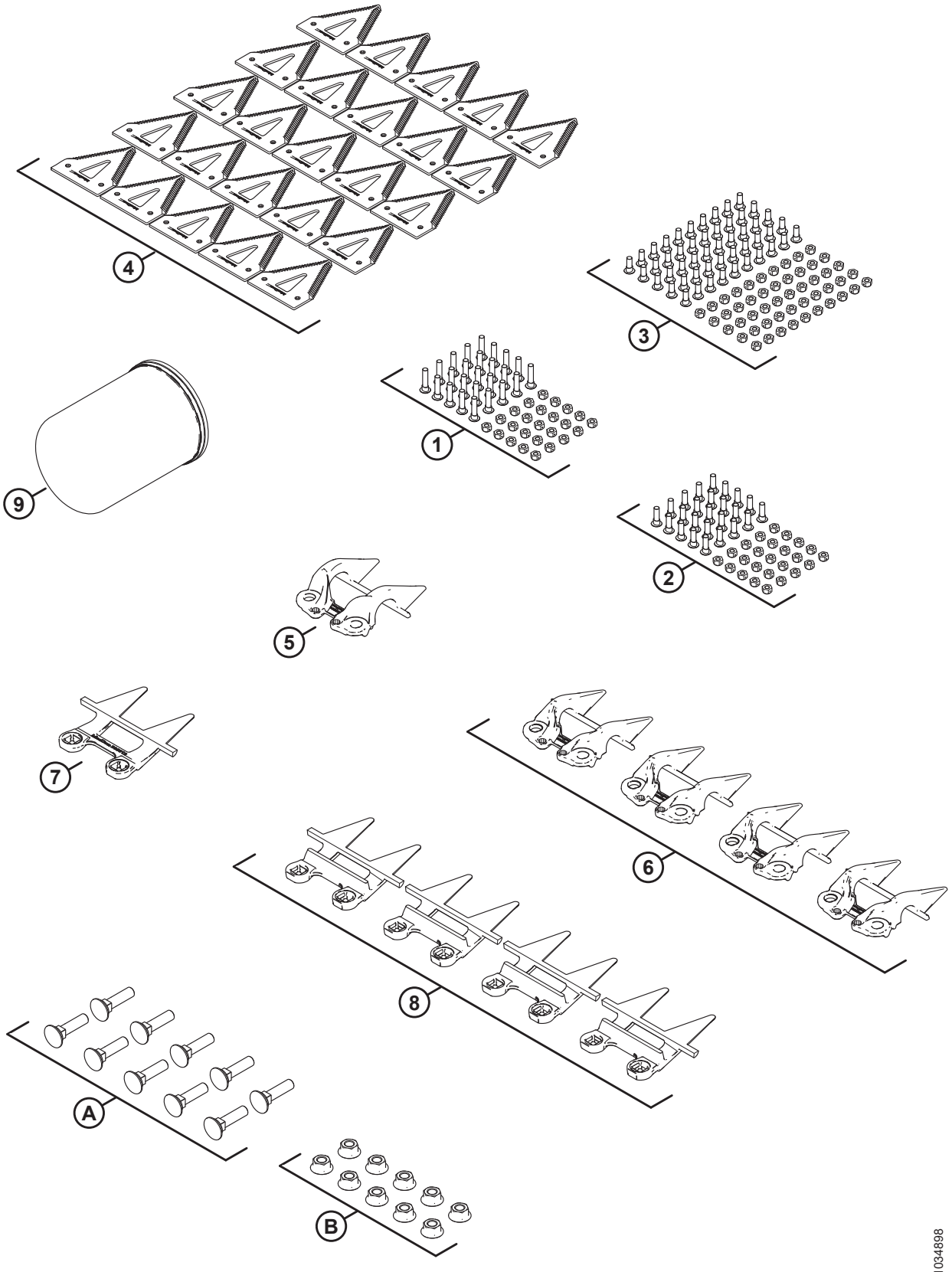
1034897

(OPTION) SERVICE KIT – POINTED GUARDS, COARSE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7155	KIT – SERVICE, POINTED, COARSE [586]		
	311789	KIT – FD2 SERVICE PTD CRS [587]		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK [588]	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK [588]	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK [588]	1	
4	286461	SECTION – CLEARCUT COARSE 25PK [589]	1	
5	286316	KNIFE GUARD – POINTED END	1	
6	286315	KNIFE GUARD – POINTED	4	
7	320360	FILTER – HYD C/W 2X SEALS	1	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

586. Kits are available through Whole Goods only. This is not available for sale in North America.
587. The kit includes all listed parts.
588. Quantity listed is for the number of screw kits.
589. Quantity listed is for the number of 25-packs of coarse sections.

160 (Option) Service Kit – PlugFree™ Guards, Coarse Knives

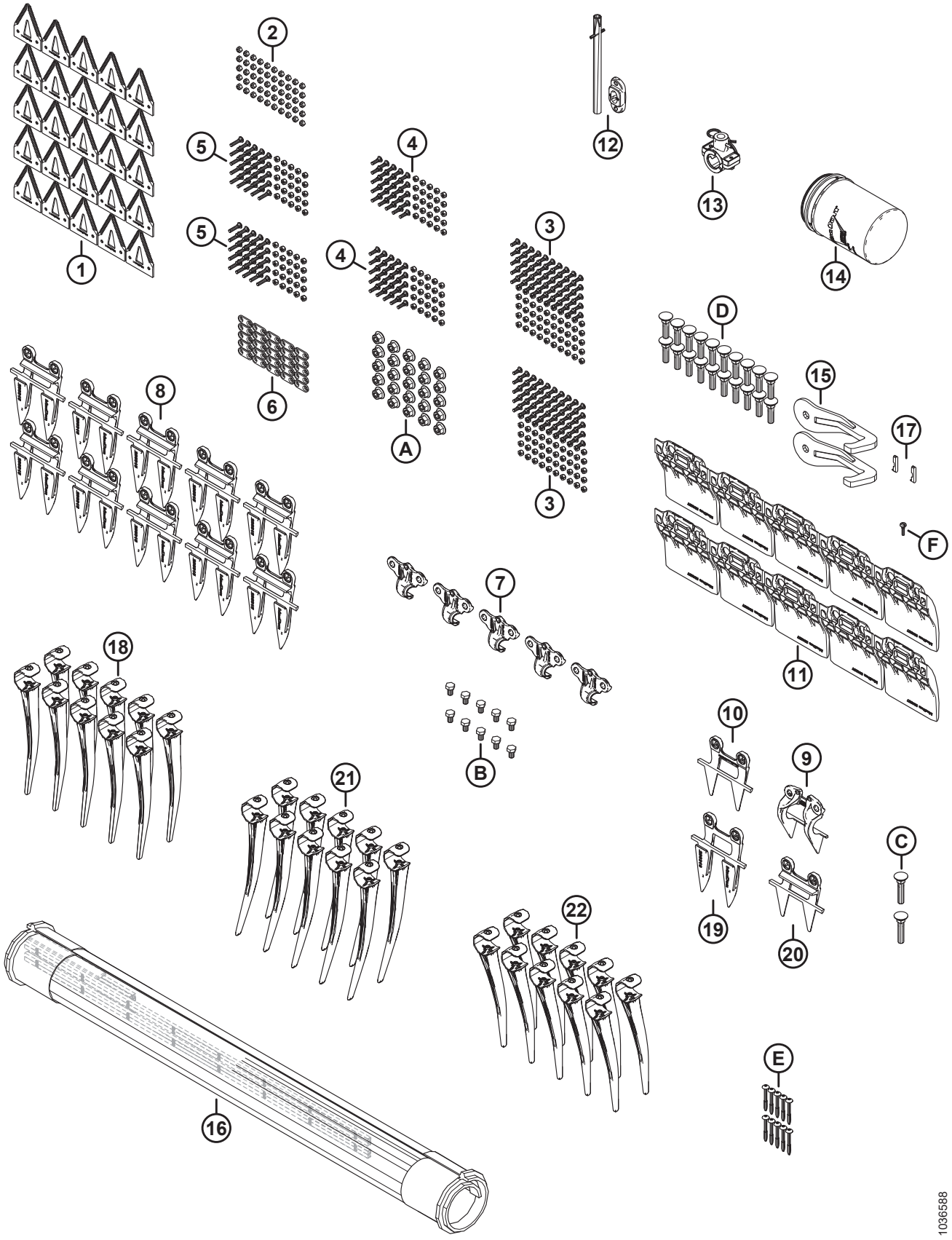


(OPTION) SERVICE KIT – PLUGFREE™ GUARDS, COARSE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7156	KIT – SERVICE, PLUGFREE, COARSE [590]		
	311790	KIT – FD2 SERVICE PF CRS [591]		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK [592]	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK [592]	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK [592]	1	
4	286461	SECTION – CLEARCUT COARSE 25PK [593]	1	
5	286331	HOLD-DOWN – PLUGFREE END	1	
6	286330	HOLD-DOWN – PLUGFREE	4	
7	286319	KNIFE GUARD – PLUGFREE END	1	
8	286318	KNIFE GUARD – PLUGFREE	4	
9	320360	FILTER – HYD C/W 2X SEALS	1	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

590. Kits are available through Whole Goods only.
591. The kit includes all listed parts.
592. Quantity listed is for the number of screw kits.
593. Quantity listed is for the number of 25-packs of coarse sections.

161 (Option) Service Kit Plus – Single Knife

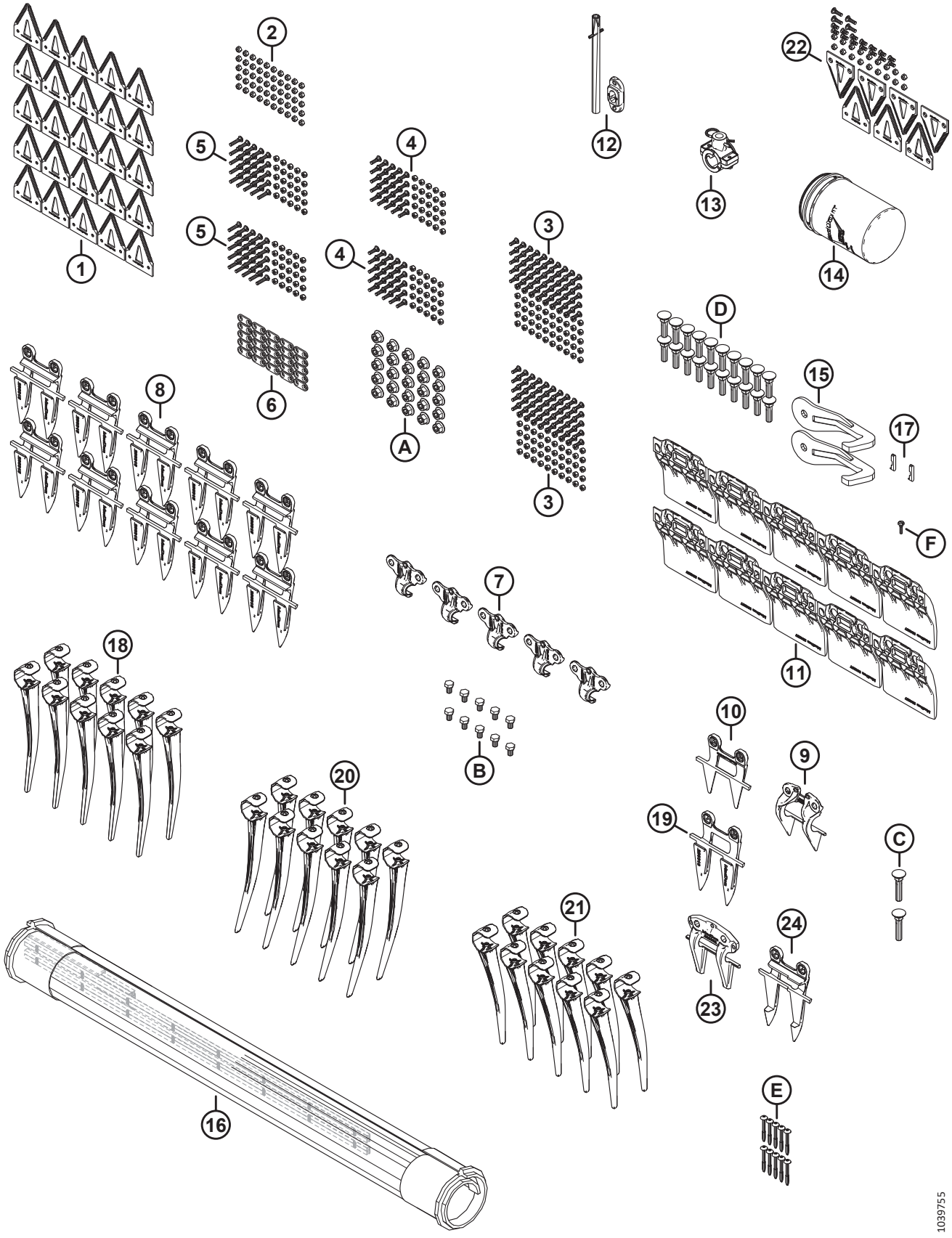


(OPTION) SERVICE KIT PLUS – SINGLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	B7365	KIT – SERVICE PLUS, SK FD2 [594]		
	340492	KIT – SERVICE PLUS, SK FD2 [595]		
1	286461	SECTION – CLEARCUT COARSE 25PK [596]	1	
2	286479	KIT – NUT CTR LOC CSK M6 X 1 50PK [597]	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK [597]	2	
4	286476	KIT – SCREW M6 X 22 C/W NUT 25PK [597]	2	
5	286477	KIT – SCREW M6 X 29 C/W NUT 25PK [597]	2	
6	286481	BAR – REINFORCEMENT 25PK [598]	1	
7	286329	HOLD-DOWN – POINTED	5	
8	286315	KNIFE GUARD – POINTED	10	
9	286331	HOLD-DOWN – PLUGFREE END	1	
10	286319	KNIFE GUARD – PLUGFREE END	1	
11	286257	SHOE – WEARPLATE CUTTERBAR	10	
12	337152	KIT – FINGER [599]	1	
13	276839	KIT – FINGER HOLDER SPLIT, 5X [600]	1	
14	320360	FILTER – HYD C/W 2X SEALS	1	
15	258876	WELDT – BREAKAWAY HOOK	2	
16	319105	KIT – DRAPER REPAIR 50 INCH [601]	1	
	NSS	DRAPER – REPAIR-50 IN.-500 MM PIECE		
	319095	KIT – DRAPER CONNECTOR 50 INCH [602]		
17	275864	KEY – DRAPER DRIVE MOTOR	2	
18	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10) [603]	1	
19	286316	KNIFE GUARD – POINTED END	1	
20	286318	KNIFE GUARD – PLUGFREE	1	
21	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10) [604]	1	
22	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10) [604]	1	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
B	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		
C	226280	BOLT – RHSN SPCL M12 X 60-8.8		
D	226295	BOLT – RHSN SPCL M12 X 47-8.8		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		
F	135630	SCREW – BHRN #12-24 NC X 0.920 IN. LG (QTY 50)		

594. Kits are available through Whole Goods only.
595. The kit includes all listed parts.
596. Quantity listed is for the number of 25-packs of coarse sections.
597. Quantity listed is for the number of screw kits.
598. Quantity listed is for the number of 25-packs of reinforcement bars.
599. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.
600. The kit includes 5 split finger holders (NSS), 10 spacers (NSS), 5 hairpins (MD #123180), hardware, and instructions.
601. The kit includes one draper repair section (NSS) and two draper connector kits (MD #319095).
602. For service parts, refer to Section *14 Draper, page 29*.
603. Quantity listed is for the number of 10-packs of heavy duty plastic fingers.
604. Quantity listed is for the number of 10-packs of angled fingers.

162 (Option) Service Kit Plus – Double Knife

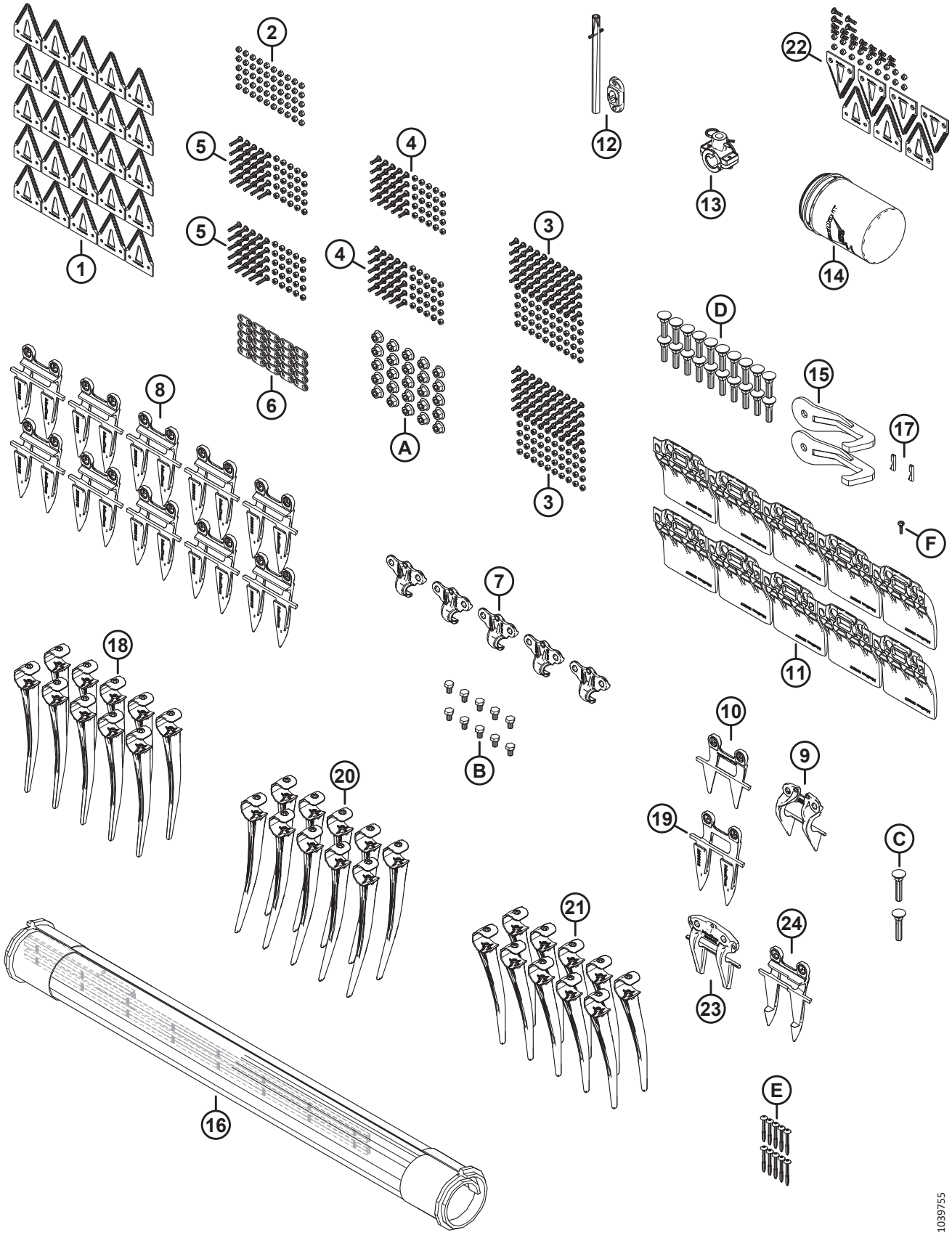


(OPTION) SERVICE KIT PLUS – DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	B7366	KIT – SERVICE PLUS, DK FD2 [605]		
	340493	KIT – SERVICE PLUS, DK FD2 [606]		
1	286461	SECTION – CLEARCUT COARSE 25PK [607]	1	
2	286479	KIT – NUT CTR LOC CSK M6 X 1 50PK [608]	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK [608]	2	
4	286476	KIT – SCREW M6 X 22 C/W NUT 25PK [608]	2	
5	286477	KIT – SCREW M6 X 29 C/W NUT 25PK [608]	2	
6	286481	BAR – REINFORCEMENT 25PK [609]	1	
7	286329	HOLD-DOWN – POINTED	5	
8	286315	KNIFE GUARD – POINTED	10	
9	286331	HOLD-DOWN – PLUGFREE END	1	
10	286319	KNIFE GUARD – PLUGFREE END	1	
11	286257	SHOE – WEARPLATE CUTTERBAR	10	
12	337152	KIT – FINGER [610]	1	
13	276839	KIT – FINGER HOLDER SPLIT, 5X [611]	1	
14	320360	FILTER – HYD C/W 2X SEALS	1	
15	258876	WELDT – BREAKAWAY HOOK	2	
16	319105	KIT – DRAPER REPAIR 50 INCH [612]	1	
	NSS	DRAPER – REPAIR-50 IN.-500 MM PIECE		
	319095	KIT – DRAPER CONNECTOR 50 INCH [613]		
17	275864	KEY – DRAPER DRIVE MOTOR	2	
18	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10) [614]	1	
19	286316	KNIFE GUARD – POINTED END	1	
20	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10) [615]	1	
21	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10) [615]	1	
22	286861	KIT – CLEARCUT COARSE CENTER [616]	1	
23	286332	HOLD-DOWN – POINTED CENTER	1	
24	286317	KNIFE GUARD – POINTED CENTER	1	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
B	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		
C	226280	BOLT – RHSN SPCL M12 X 60-8.8		
D	226295	BOLT – RHSN SPCL M12 X 47-8.8		

605. Kits are available through Whole Goods only. This kit is not available for sale in North America.
606. The kit includes all listed parts.
607. Quantity listed is for the number of 25-packs of coarse sections.
608. Quantity listed is for the number of screw kits.
609. Quantity listed is for the number of 25-packs of reinforcement bars.
610. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.
611. The kit includes 5 split finger holders (NSS), 10 spacers (NSS), 5 hairpins (MD #123180), hardware, and instructions.
612. The kit includes one draper repair section (NSS) and two draper connector kits (MD #319095).
613. For service parts, refer to Section *14 Draper, page 29*.
614. Quantity listed is for the number of 10-packs of heavy duty plastic fingers.
615. Quantity listed is for the number of 10-packs of angled fingers.
616. The kit includes five ClearCut™ coarse top sections (NSS), two ClearCut™ coarse bottom sections (NSS), and hardware.

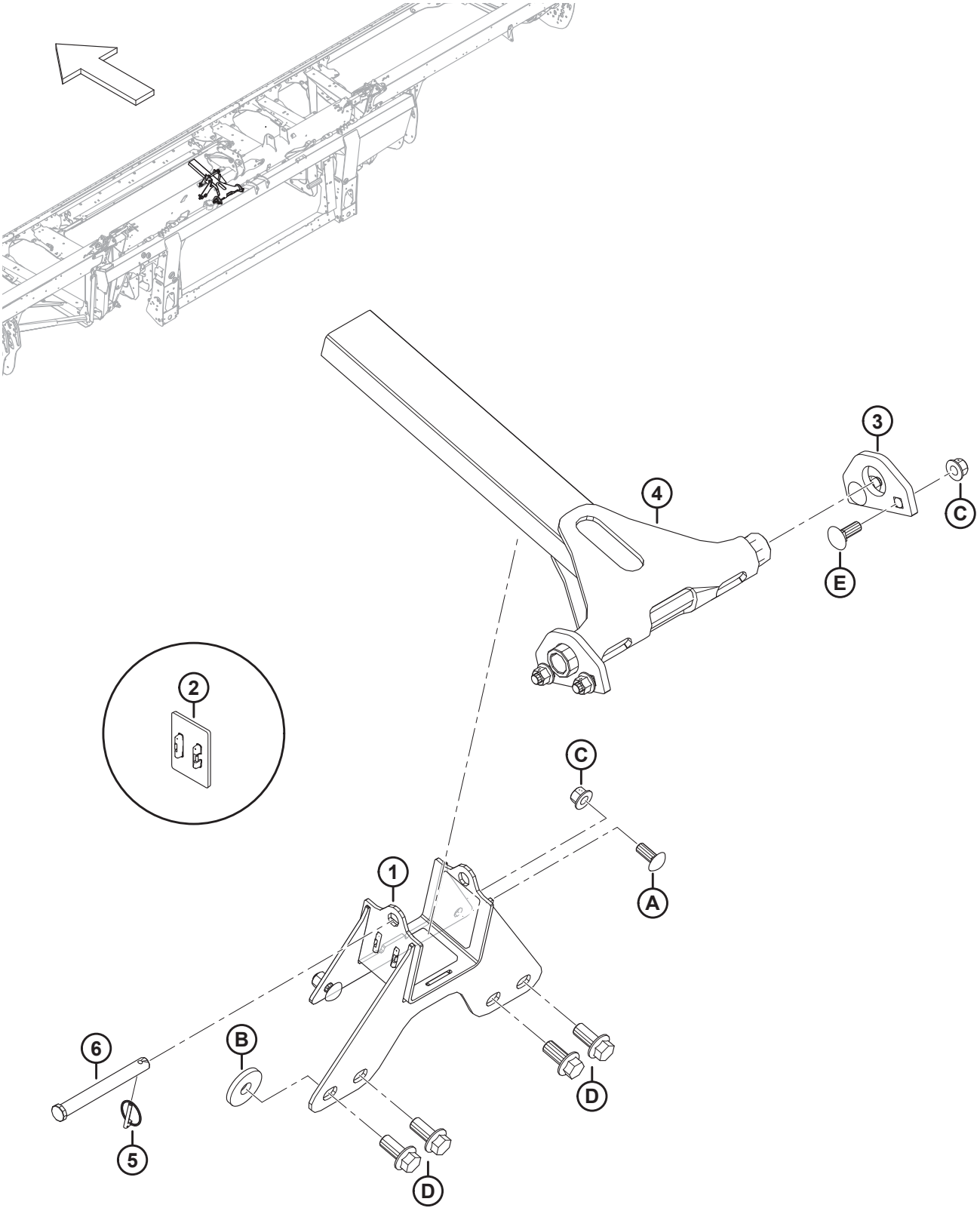
(OPTION) SERVICE KIT PLUS – DOUBLE KNIFE



(OPTION) SERVICE KIT PLUS – DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
E	252687	SCREW – 48° PLASTITE TWIN HELIX		
F	135630	SCREW – BHRN #12-24 NC X 0.920 IN. LG (QTY 50)		

163 (Option) Side Hill Stabilizer Kit

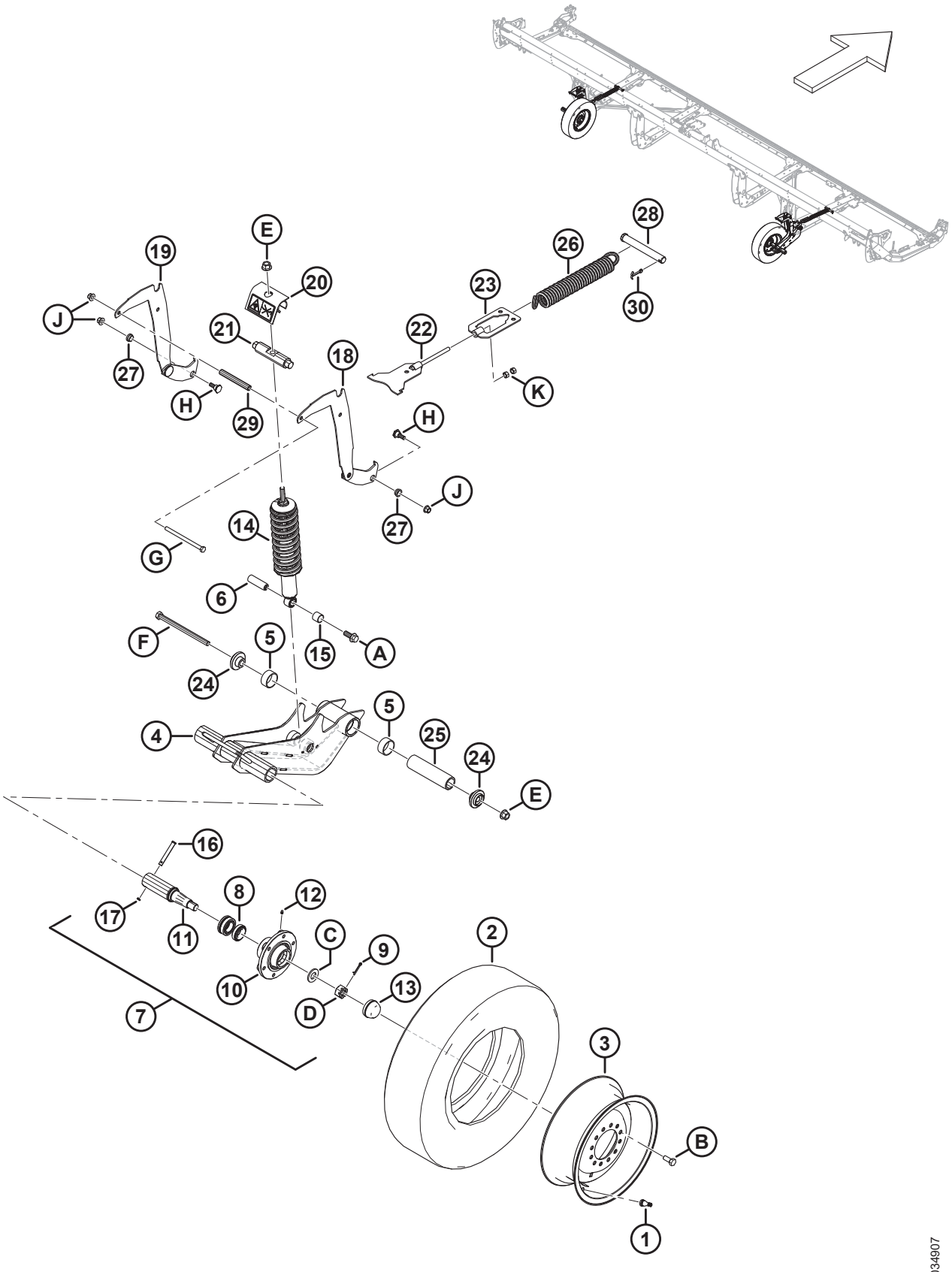


(OPTION) SIDE HILL STABILIZER KIT

Ref	Part Number	Description	Qty	Serial Number
	B7028	KIT – SIDE HILL STABILIZER [617]		
1	258732	ASSY – SIDE HILL STAB. BRACKET [618]	1	
2	273831	PAD – REEL DRIVE WEAR	3	
3	258343	LUG – SIDE HILL STABILIZER	2	
4	258326	WELDT – SIDE HILL STABILIZER	1	
5	50193	PIN – LYNCH	1	
6	49378	PIN – CLEVIS	1	
A	152702	BOLT – RHSSN M12 X 1.75 X 30-8.8-AA1J		
B	152009	WASHER – HARDENED 5/8		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136378	BOLT – HEX FLG HD TFL M16 X 2 X 35-10.9		
E	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		

617. Kits are available through Whole Goods only.
618. The bracket assembly includes three wear pads (MD #273831).

164 (Option) Stabilizer Wheels



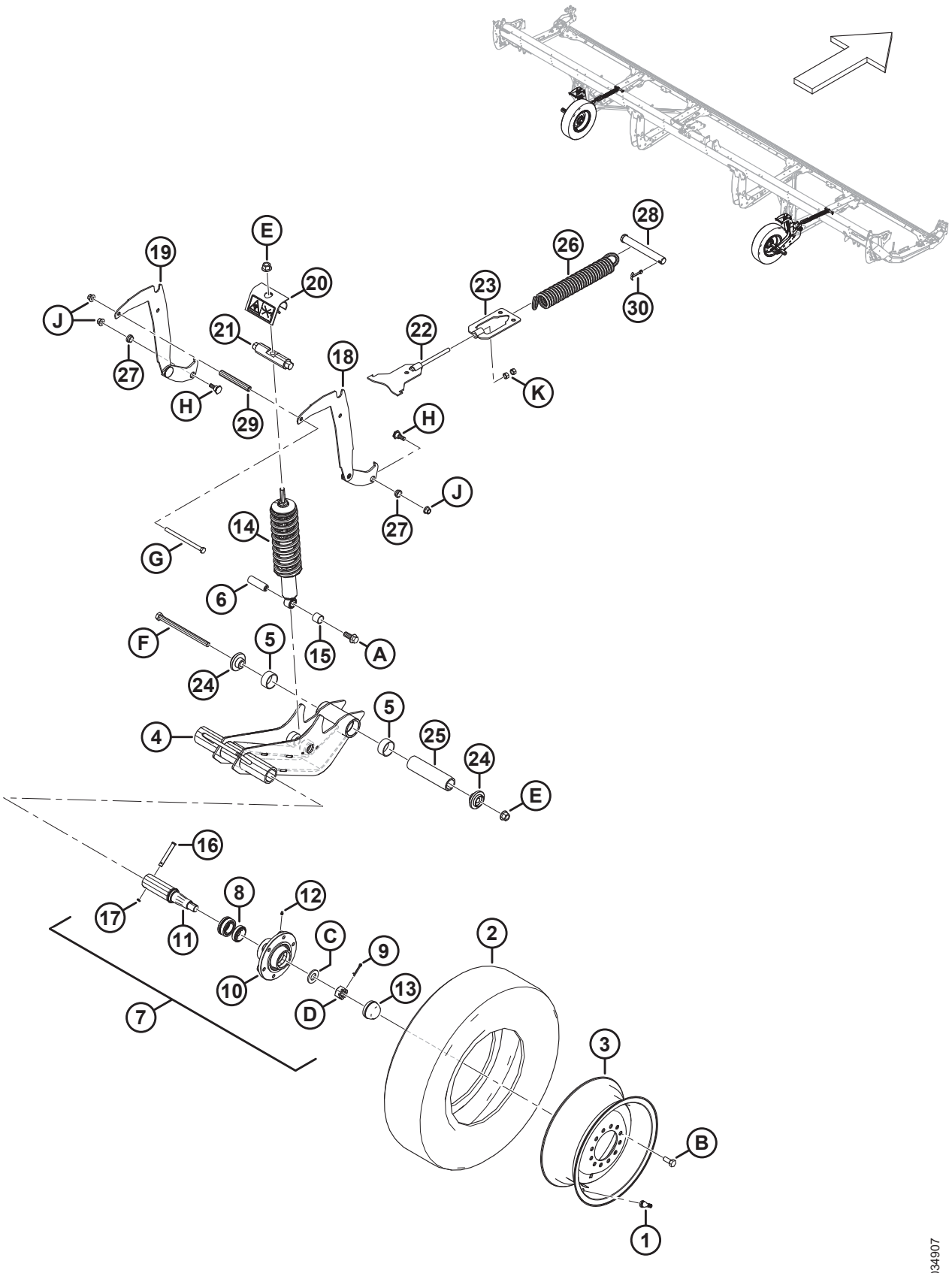
NOTE:

Up to two sets of Stabilizer Wheels can be installed on FD261 headers.

Ref	Part Number	Description	Qty	Serial Number
	C2171	STABILIZER WHEELS – KIT [619]		
	B7398	KIT – TIRES, 225/75R15 LRF [619]		
1	230968	STEM – TIRE VALVE ASSY #TR-416	2	
2	327808	TIRE – ST 225/75 R15 LRF	2	
3	327807	WHEEL – 15 X 6 WHITE [620]	2	
	144531	WHEEL – 15 X 6 LB [621]	A/R	
	327802	DECAL – TIRE PRESSURE, 655 KPA (95 PSI) [622]	2	
	327717	DECAL – TIRE PRESSURE, 552 KPA (80 PSI) [623]	A/R	
	B6460	KIT – STABILIZER WHEELS [619]		
4	327682	ASSY – PIVOT ARM [624]	2	
5	327600	BUSHING – COMPOSITE	4	
6	316793	PIN	2	
7	316330	ASSY – HUB [625]	2	
8	316851	KIT – WHEEL BEARING	2	
9	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	2	
10	316847	HUB	2	
11	316848	SPINDLE	2	
12	18671	FITTING – LUBE 1/4-28 UNF	2	
13	30520	CAP – DUST	2	
14	327798	DAMPENER – HEADER [626]	2	
15	133992	BUSHING – COMPOSITE	2	
16	101007	PIN – CLEVIS	2	
17	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
18	327656	WELDT – SUPPORT, HEIGHT ADJUST	2	
19	327655	WELDT – SUPPORT, HEIGHT ADJUST	2	
20	327089	ASSY – ANTI PRY [627]	2	

619. Kits are available through Whole Goods only.
620. Wheel (MD #327807) is used with tire (MD #327808).
621. Wheel (MD #144531) remains available as a service part for superseded tire (MD #230483). Wheel (MD #144531) is **NOT** included in Wheels and Tires Kit B7398.
622. Tire pressure decal (MD #327802) (655 kPa [95 psi]) is used with tire (MD #327808).
623. Tire pressure decal (MD #327717) (552 kPa [80 psi]) remains available as a service part for superseded tire (MD #230483).
624. The pivot arm assembly includes two composite bushings (MD #327600).
625. The hub assembly includes pin (MD #18608), fitting (MD #18671), six bolts (MD #18916), dust cap (MD #30520), hub (MD #316847), spindle (MD #316848), wheel bearing kit (MD #316851), nut (MD #316859), and washer (MD #316860).
626. The dampener includes composite bushing (MD #133992).
627. The anti-pry assembly includes energy release decal (MD #327086).

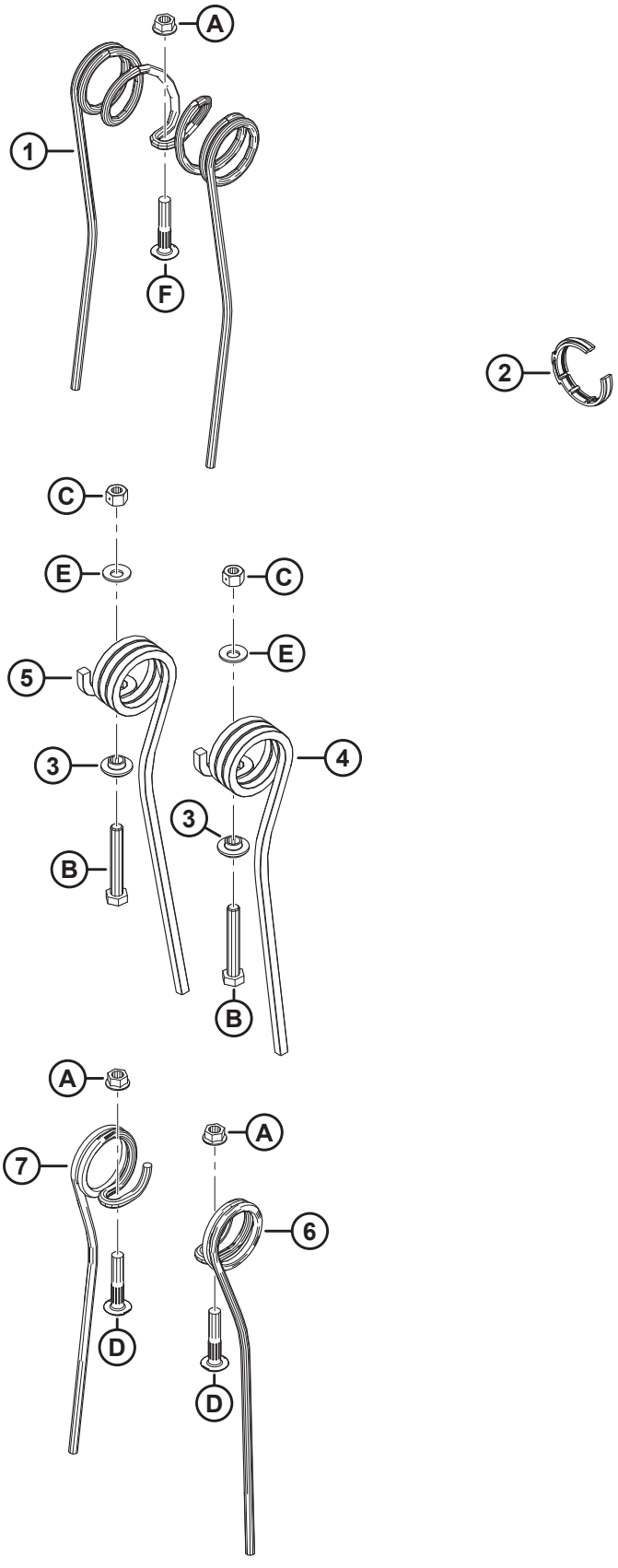
(OPTION) STABILIZER WHEELS



(OPTION) STABILIZER WHEELS

Ref	Part Number	Description	Qty	Serial Number
21	316284	PIN	2	
22	316096	SUPPORT – WELDT	2	
23	316095	SUPPORT – WELDT	2	
24	303839	CASTING – PLATE	4	
25	303525	PIN – PIVOT	2	
26	303520	SPRING – EXTENSION	2	
27	303492	BUSHING – COMPOSITE	4	
28	292692	PIN – CLEVIS	2	
29	210985	SPACER	2	
30	18609	PIN – COTTER 1/4 DIA X 2 ZP	2	
	327086	DECAL – ENERGY RELEASE	2	
	316662	DECAL – HEIGHT SETTING	2	
A	320060	BOLT – HEX FLG HD TFL M16 X 2 X 40-10.9-ZINC		
B	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL-AA1J		
C	316860	WASHER		
D	316859	NUT – SLOTTED		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
F	320011	BOLT – HEX HD M16 X 2 X 240-10.9-ZINC		
G	252272	BOLT – HEX HD TFL M12 X 1.75 X 180-10.9-ZINC		
H	303251	BOLT – 19 MM SHLDR M12 SPCL		
J	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
K	135156	NUT – HEX M12 X 1.75-10-AA1J		

165 (Option) Steel Finger Kit



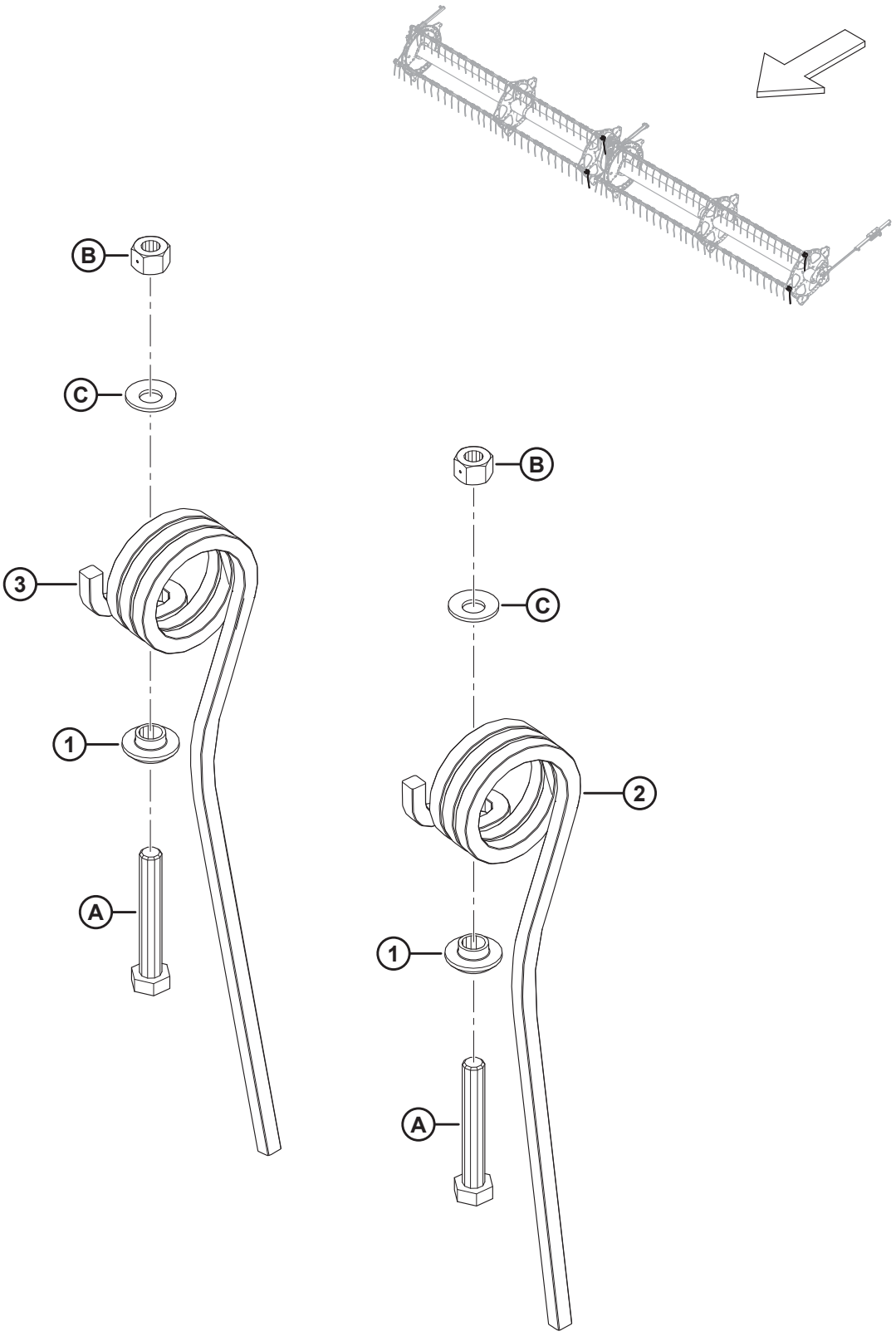
1036678

(OPTION) STEEL FINGER KIT

Ref	Part Number	Description	Qty	Serial Number
	360679	KIT – STEEL FINGER, 25 FT SR, 6 BAT [628]		
	311054	KIT – STEEL FINGER, 30 FT DR, 5 BAT [628]		
	311055	KIT – STEEL FINGER, 30 FT DR, 6 BAT [628]		
	311068	KIT – STEEL FINGER, 35 FT DR, 5 BAT [628]		
	311069	KIT – STEEL FINGER, 35 FT DR, 6 BAT [628]		
1	137092	FINGER [629]		
2	220941	CLAMP – TINE TUBE BUSHING - CENTER RIB (BOX OF 5) [630]		
3	273052	RETAINER – END FINGER [631]		
4	311321	FINGER – TAIL END OUTBOARD [632]		
5	311322	FINGER – TAIL END INBOARD [633]		
6	137754	FINGER – RH SINGLE CONCENTRIC [634]		
7	137519	FINGER – LH SINGLE CONCENTRIC [635]		
A	30228	NUT – FLG DT SM FACE 3/8-16 UNC-GR5-AA1J		
B	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
C	135800	NUT – HEX CTR LOC SPCL M10 X 1.5-9-AA1J		
D	137118	BOLT –BTN HD RIB NK 3/8 NC		
E	184584	WASHER – CON SPRING M10 STL SAE		

628. The kit includes all listed parts and instructions. Refer to the footnotes on individual service parts for quantities.
629. Quantities: FD225 SR 6 Bat = 135, FD230 DR 5 Bat = 135, FD230 DR 6 Bat = 135, FD235 DR 5 Bat = 143, FD235 DR 6 Bat = 171.
630. Quantities: FD225 SR 6 Bat = 6, FD230 DR 5 Bat = 6, FD230 DR 6 Bat = 8, FD235 DR 5 Bat = 8, FD235 DR 6 Bat = 10.
631. Quantities: FD225 SR 6 Bat = 6, FD230 DR 5 Bat = 10, FD230 DR 6 Bat = 12, FD235 DR 5 Bat = 10, FD235 DR 6 Bat = 12.
632. Quantities: FD225 SR 6 Bat = 6, FD230 DR 5 Bat = 5, FD230 DR 6 Bat = 6, FD235 DR 5 Bat = 5, FD235 DR 6 Bat = 6.
633. Quantities: FD225 SR 6 Bat = 0, FD230 DR 5 Bat = 5, FD230 DR 6 Bat = 6, FD235 DR 5 Bat = 5, FD235 DR 6 Bat = 6.
634. Quantities: FD225 SR 6 Bat = 12, FD230 DR 5 Bat = 4, FD230 DR 6 Bat = 6, FD235 DR 5 Bat = 18, FD235 DR 6 Bat = 24.
635. Quantities: FD225 SR 6 Bat = 9, FD230 DR 5 Bat = 10, FD230 DR 6 Bat = 12, FD235 DR 5 Bat = 30, FD235 DR 6 Bat = 36.

166 (Option) Steel Reel End Finger Kits

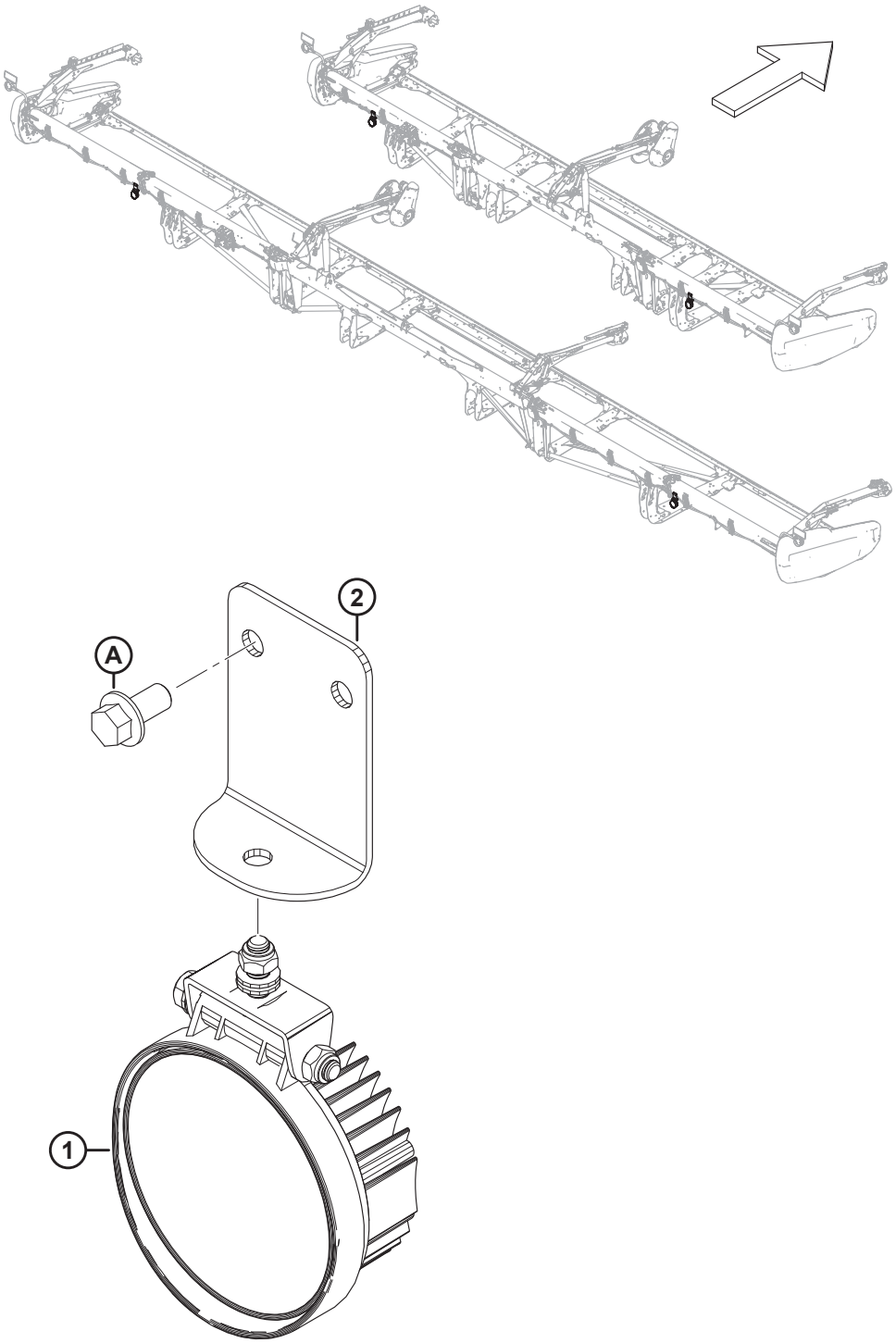


(OPTION) STEEL REEL END FINGER KITS

Ref	Part Number	Description	Qty	Serial Number
	311959	KIT – STEEL END FINGER, OUTBOARD [636]		
	311972	KIT – STEEL END FINGER, INBOARD [637]		
1	273052	RETAINER – END FINGER	1	
2	311321	FINGER – TAIL END OUTBOARD [638]		
3	311322	FINGER – TAIL END INBOARD [639]		
A	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
B	135800	NUT – HEX CTR LOC SPCL M10 X 1.5-9-AA1J		
C	184584	WASHER – CON SPRING M10 STL SAE		

636. The Outboard Steel End Finger Kit includes one tail end outboard steel finger (MD #311321), all listed hardware, and instructions.
637. The Inboard Steel End Finger Kit includes one tail end inboard steel finger (MD #311322), all listed hardware, and instructions.
638. Quantities: kit MD #311959 = 1, kit MD #311972 = 0.
639. Quantities: kit MD #311959 = 0, kit MD #311972 = 1.

167 (Option) Stubble Lights



1032898

NOTE:

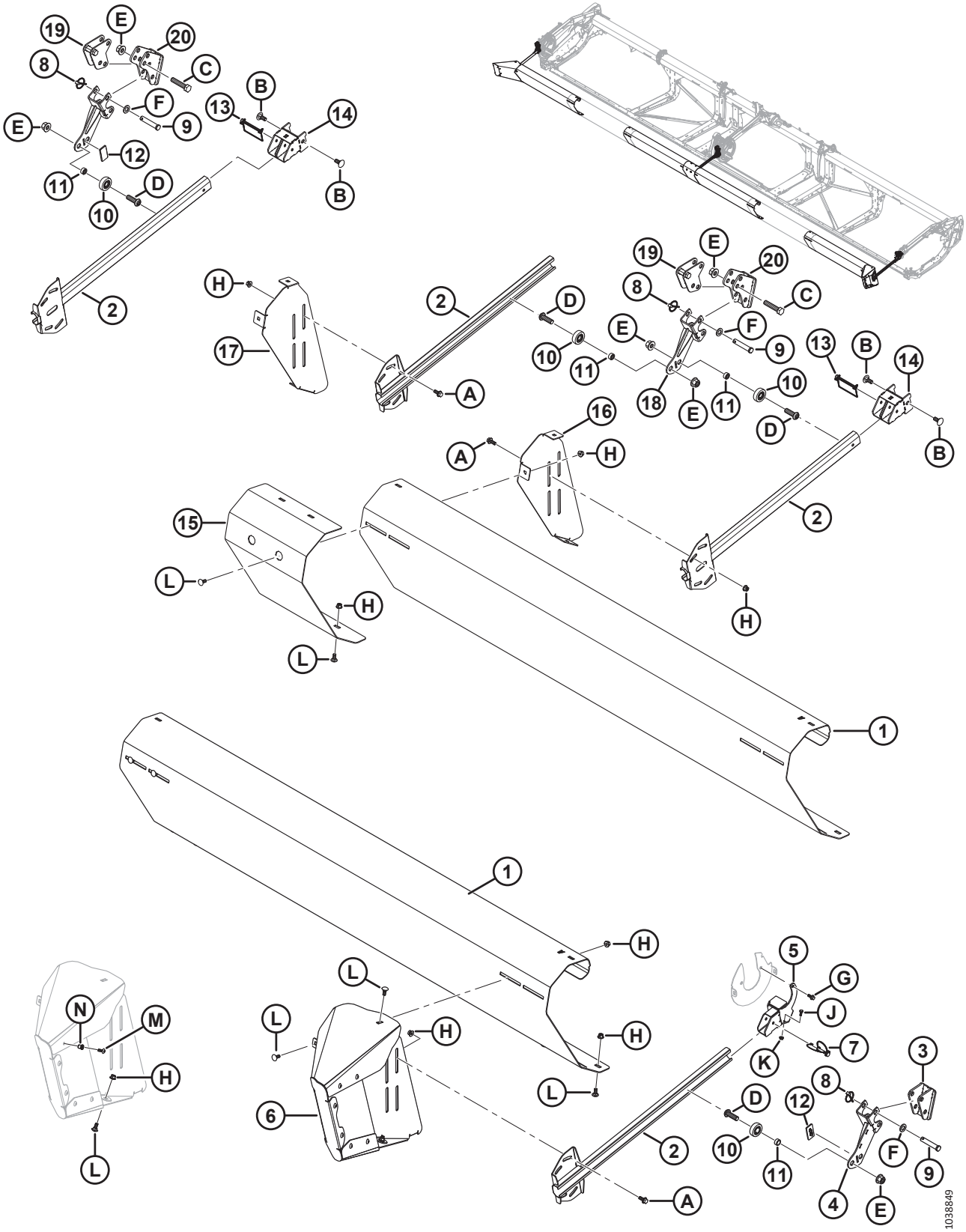
The Stubble Lights kit is compatible with the following John Deere combines; and Case IH and New Holland combines, which may require updates to combine software:

- John Deere – S600/S700 Series, X9 Series, and S7 Series
- 2019 and later Case IH – 7250/8250/9250
- 2024 and later Case IH Mid-Range – 5160/6160/7160
- Case IH – AF9, AF10, AF11 (Up to two sets of stubble lights for FD261 Headers)
- 2019 and later New Holland CR – 8.90, 9.80/9.90, 10.90
- 2020 and later New Holland CX – 8.80/8.90
- New Holland CR – CR10, CR11 (Up to two sets of stubble lights for FD261 Headers)

Ref	Part Number	Description	Qty	Serial Number
	B7575	**KIT – STUBBLE LIGHTS** [640]		
1	**378136**	**LIGHT**	**2**	
2	258454	BRACKET – STUBBLE LIGHTS	2	
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

640. Kits are available through Whole Goods only.

168 (Option) Sunflower Attachment – Base Kit – Lean Bar and Deflectors



(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – LEAN BAR AND DEFLECTORS

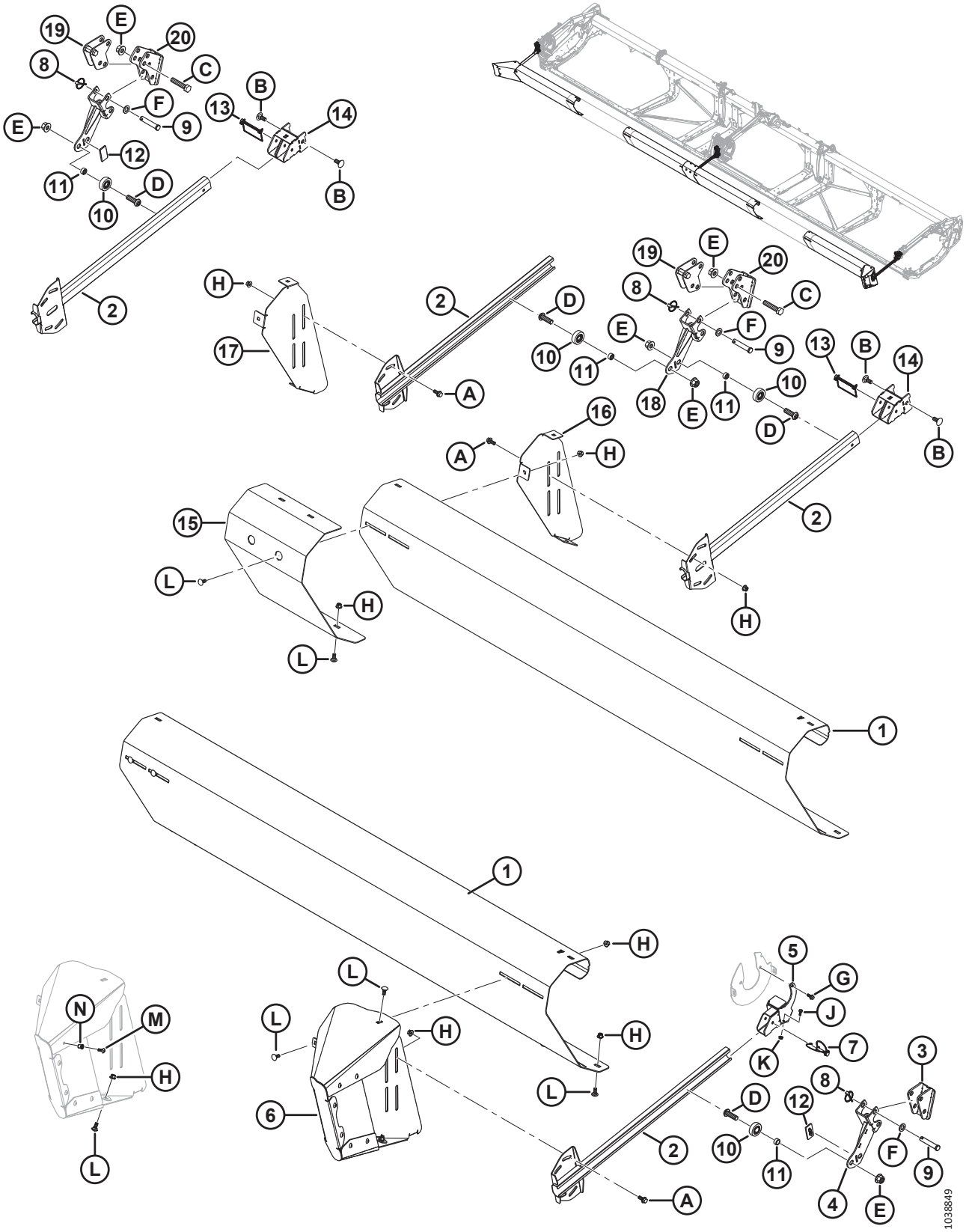
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	C2086	KIT – 30 FOOT SUNFLOWER ATTACHMENT [641]		
	C2087	KIT – 35 FOOT SUNFLOWER ATTACHMENT [641]		
	C2088	KIT – 40/41 FOOT SUNFLOWER ATTACHMENT (DOUBLE REEL) [641]		
	C2169	KIT – 40 FOOT SUNFLOWER ATTACHMENT (TRIPLE REEL) [641]		
	C2089	KIT – 45 FOOT SUNFLOWER ATTACHMENT [641]		
	C2170	KIT – 50 FOOT SUNFLOWER ATTACHMENT [641]		
	B7302	KIT – SUNFLOWER ATTACHMENT, BASE [642]		
1	119691	DEFLECTOR – LEAN BAR A [643]	4	
2	119757	ARM – PUSH BAR WELDT	4	
3	119593	SUPPORT – LEAN BAR WELDT	1	
4	119667	SUPPORT – LEAN BAR WELDT	1	
5	119666	BRACKET – HANGING WELDT	1	
6	119706	DEFLECTOR-EXTENSION ASSY – LH [644]	1	
	119705	DEFLECTOR-EXTENSION ASSY – RH [644]	1	
7	320205	PIN – LYNCH DIA 5/16 IN. X 1.75 IN. LG W/ TETHER	1	
8	102264	PIN – LYNCH 3/16 X 9/16 IN.	6	
9	18624	PIN – CLEVIS	6	
10	273524	BEARING – CAM FOLLOWER	4	
11	101095	SPACER	4	
12	273777	PAD – REEL DRIVE WEAR	2	
13	136749	PIN – LYNCH	2	
14	119738	BRACKET – WELDT	2	
15	119725	DEFLECTOR – LEAN BAR FILLER	1	
16	119696	BRACKET – LEAN BAR MOUNT, LH	1	
17	119697	BRACKET – LEAN BAR MOUNT, RH	1	
18	119672	SUPPORT – LEAN BAR WELDT	2	
19	119641	ANCHOR – FORE AFT SUBWELDT	2	
20	119623	SUPPORT – FRONT ANCHOR WELDT	2	
A	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
B	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
C	181475	BOLT – HEX HD M16 X 2 X 75-8.8-BE0R		
D	320441	SCREW – HEX SOC BTN HD M16 X 2.0 X 50-10.9-AA1J		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		

641. Kit contains base kit (B7302), pans kit (B7303), and deflectors kit (B7304, B7305, B7306, B7395, B7307, or B7396). Kits are available through Whole Goods only.
642. Base kit B7302 includes all parts listed in this section and Section *169 (Option) Sunflower Attachment – Base Kit – Pans and Supports, page 413*. Kits are available through Whole Goods only.
643. Four deflectors (MD #119691) are included in the base kit. FD245 and FD250 headers require a total of six.
644. Includes eight Torx screws (MD #320190), eight rivnuts (MD #252179), one bolt (MD #135785), and one nut (MD #135799).

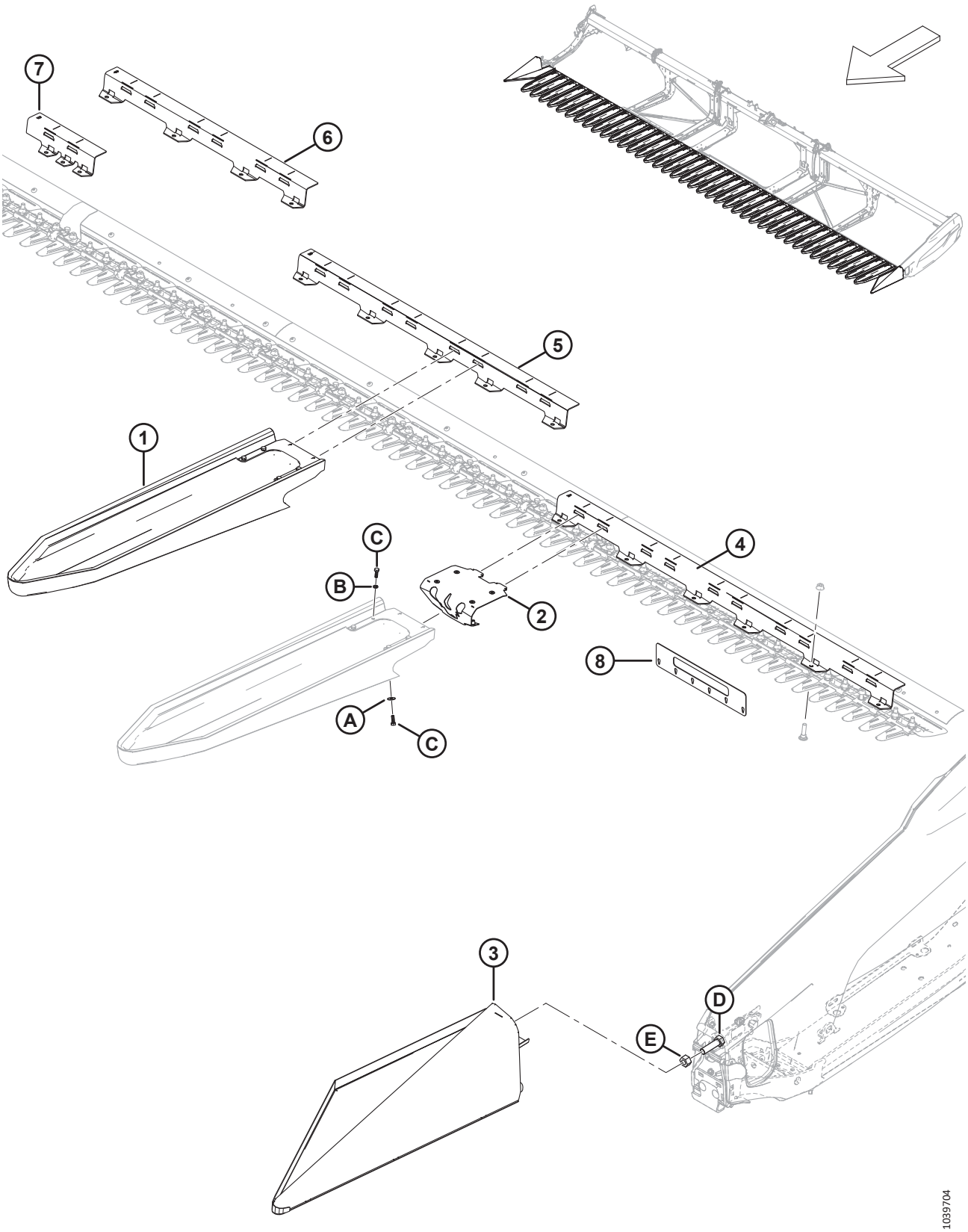
(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – LEAN BAR AND DEFLECTORS



(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – LEAN BAR AND DEFLECTORS

Ref	Part Number	Description	Qty	Serial Number
F	184717	WASHER – FLAT REG M16-200HV-AA1J		
G	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
J	21572	BOLT – HEX HD 1/4 20 X 0.625 GR5 AA1J		
K	135248	NUT – HEX FLG CTR LOC		
L	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
M	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
N	252179	RIVNUT – M8 X 1.25 HEX 0.7-3.8		

169 (Option) Sunflower Attachment – Base Kit – Pans and Supports



(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – PANS AND SUPPORTS

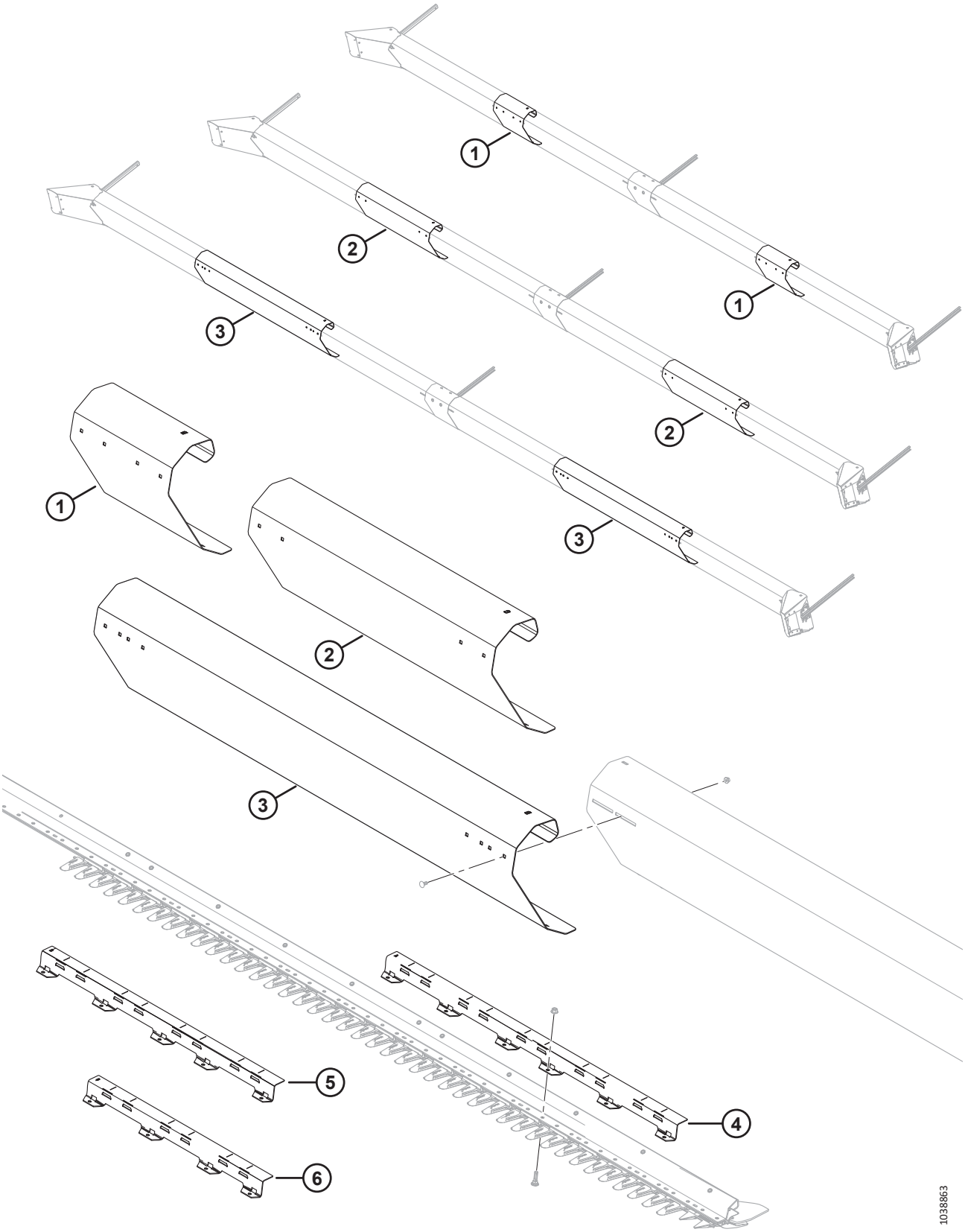
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7302	KIT – SUNFLOWER ATTACHMENT, BASE [645]		
1	119529	PAN – SUNFLOWER QUICK ATTACH [646]	5	
2	119726	ASSEMBLY – PAN LATCH [647]	5	
3	119560	PAN – END LH WELDT	1	
	119565	PAN – END RH WELDT	1	
4	119558	SUPPORT – PAN 5 FT A	2	
5	119653	SUPPORT – PAN 4 FT B	3	
6	119654	SUPPORT – PAN 3 FT C	4	
7	119655	SUPPORT – PAN HINGE D	1	
	119656	SUPPORT – PAN HINGE E	1	
8	119766	TOOL – GUARD TIP CHECK, 2 SERIES	1	
A	184709	WASHER – FLAT LARGE M8-200HV		
B	30716	WASHER – LOCK SPRING M8-CS-1055-1065-AA1J		
C	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
D	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
E	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		

645. Base kit B7302 includes all parts listed in this section and Section *168 (Option) Sunflower Attachment – Base Kit – Lean Bar and Deflectors, page 409*. Kits are available through Whole Goods only.
646. Includes latch assembly (MD #119726), clamp (NSS), six bolts (MD #184652), four lock spring washers (MD #30716), and two flat washers (MD #184709).
647. Includes six rivnuts (MD #252179).

170 (Option) Sunflower Attachment – Deflector Kits (Double Reel)



(OPTION) SUNFLOWER ATTACHMENT – DEFLECTOR KITS (DOUBLE REEL)

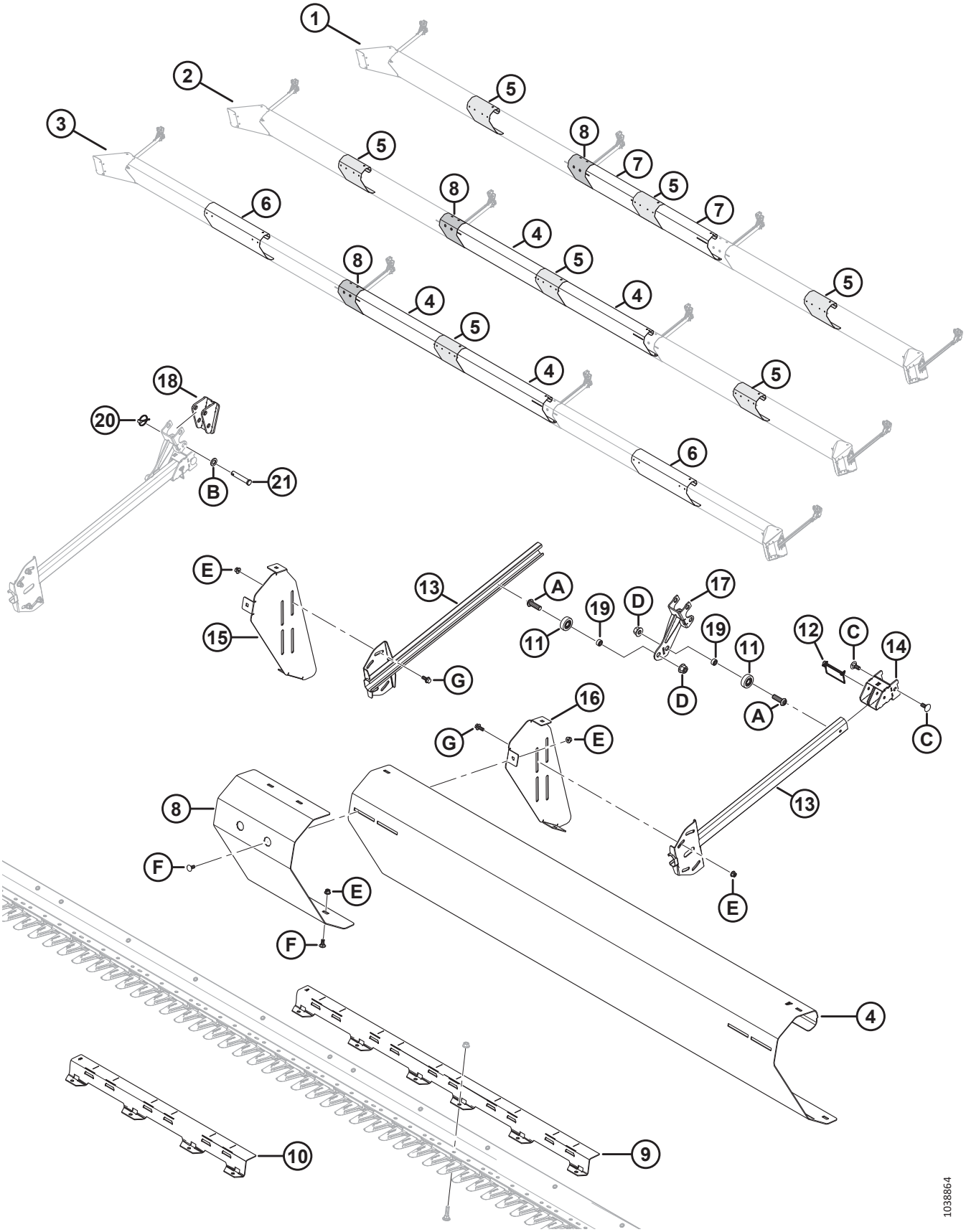
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7304	KIT – SUNFLOWER DEFLECTOR 30 FT [648]		
	B7305	KIT – SUNFLOWER DEFLECTOR 35 FT [648]		
	B7306	KIT – SUNFLOWER DEFLECTOR 40/41 FT DR [648]		
1	119692	DEFLECTOR – LEAN BAR B [649]	2	
2	119693	DEFLECTOR – LEAN BAR C [650]	2	
3	119694	DEFLECTOR – LEAN BAR D [651]	2	
4	119558	SUPPORT – PAN A (5 FT) [651]	2	
5	119653	SUPPORT – PAN B (4 FT) [651]	1	
6	119654	SUPPORT – PAN C (3 FT) [650]	3	

648. Kits are available through Whole Goods only.
649. Included in B7304 (FD230 headers).
650. Included in B7305 (FD235 headers).
651. Included in B7306 (FD240/FD241 double-reel headers).

171 (Option) Sunflower Attachment – Deflector Kits (Triple Reel)



(OPTION) SUNFLOWER ATTACHMENT – DEFLECTOR KITS (TRIPLE REEL)

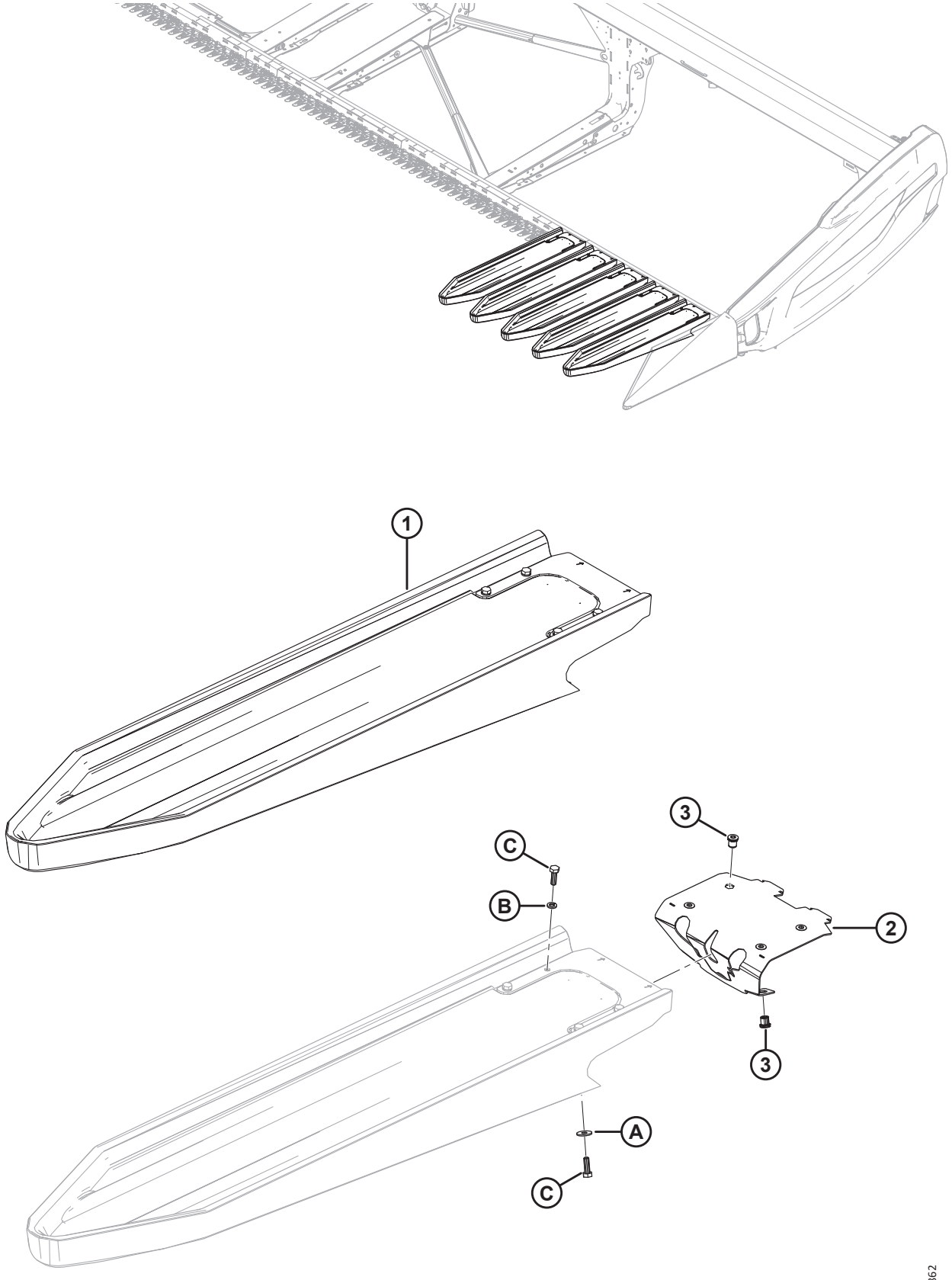
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7395	KIT – SUNFLOWER DEFLECTOR 40 FT TR [652]		
	B7307	KIT – SUNFLOWER DEFLECTOR 45 FT [652]		
	B7396	KIT – SUNFLOWER DEFLECTOR 50 FT [652]		
1	REF	FD240 TR CONFIGURATION		
2	REF	FD245 TR CONFIGURATION		
3	REF	FD250 TR CONFIGURATION		
4	119691	DEFLECTOR – LEAN BAR A [653]		
5	119692	DEFLECTOR – LEAN BAR B [654]		
6	119693	DEFLECTOR – LEAN BAR C [655]		
7	119745	DEFLECTOR – LEAN BAR E [656]		
8	119725	DEFLECTOR – LEAN BAR FILLER	1	
9	119558	SUPPORT – PAN A (5 FT) [657]		
10	119654	SUPPORT – PAN C (3 FT) [658]	3	
11	273524	BEARING – CAM FOLLOWER	2	
12	136749	PIN – LYNCH	1	
13	119757	ARM – PUSH BAR WELDT	2	
14	119738	BRACKET – WELDT	1	
15	119697	BRACKET – LEAN BAR MOUNT RH	1	
16	119696	BRACKET – LEAN BAR MOUNT LH	1	
17	119672	SUPPORT – LEAN BAR WELDT	1	
18	119593	SUPPORT – LEAN BAR WELDT	1	
19	101095	SPACER	2	
20	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	2	
21	18624	PIN – CLEVIS	2	
A	320441	SCREW – HEX SOC BTN HD M16 X 2.0 X 50-10.9-AA1J		
B	184717	WASHER – FLAT REG M16-200HV-AA1J		
C	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
D	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
G	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		

652. Kits are available through Whole Goods only.
653. Quantities: B7307 (FD245 headers) = 2; B7396 (FD250 headers) = 2.
654. Quantities: B7395 (FD240 headers) = 3; B7307 (FD245 headers) = 3; B7396 (FD250 headers) = 1.
655. Quantities: B7396 (FD250 headers) = 2.
656. Quantities: B7395 (FD240 headers) = 2.
657. Quantities: B7395 (FD240 headers) = 2; B7307 (FD245 headers) = 2; B7396 (FD250 headers) = 4.
658. Quantities: B7307 (FD245 headers) = 3.

172 (Option) Sunflower Attachment – Pans



(OPTION) SUNFLOWER ATTACHMENT – PANS

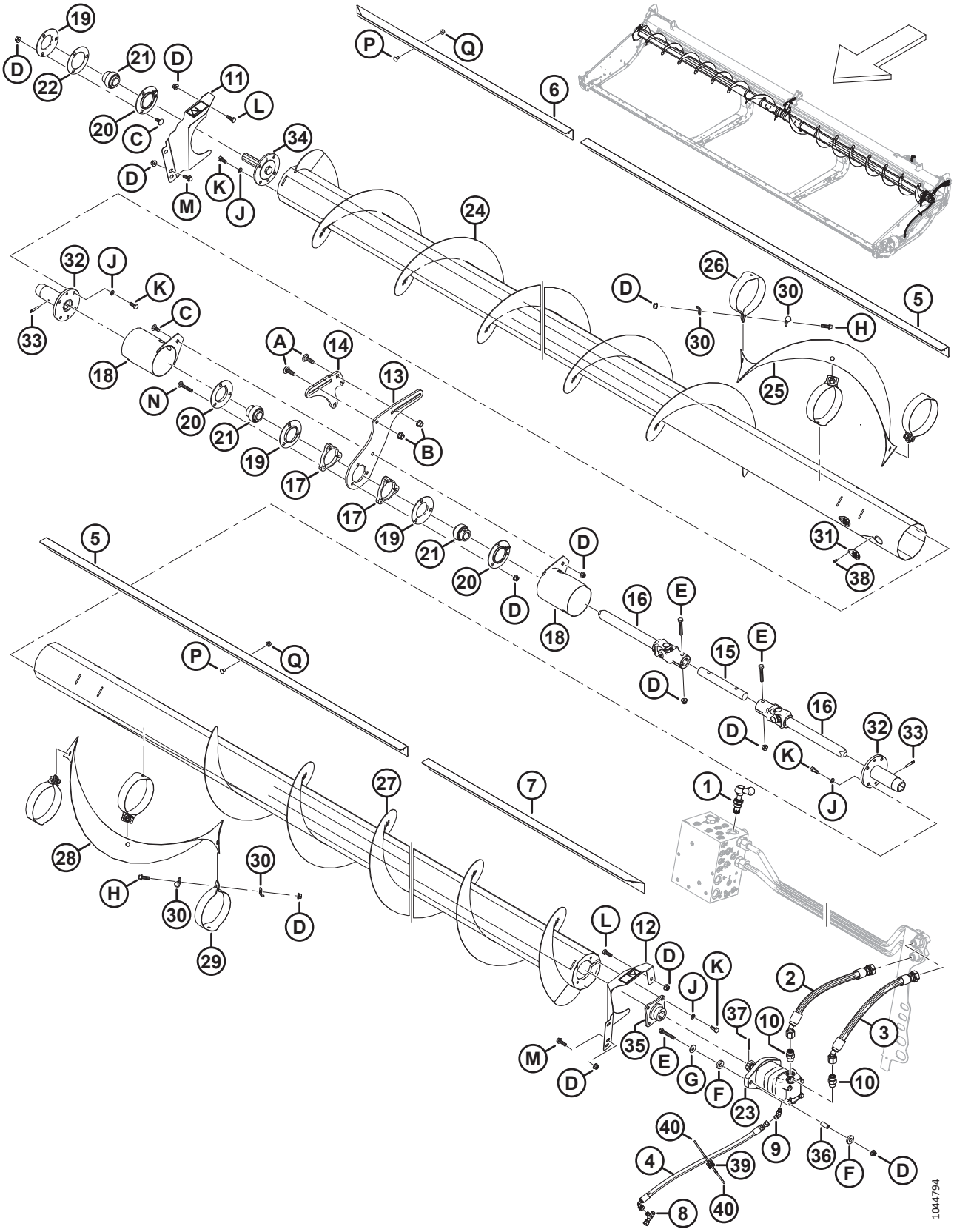
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7303	KIT – 2 SERIES SUNFLOWER PAN (5 PANS) [659]		
	119737	KIT – 2 SERIES SUNFLOWER PAN (5 PANS)		
1	119529	PAN – SUNFLOWER QUICK ATTACH [660]	5	
2	119726	ASSEMBLY – PAN LATCH [661]	5	
3	252179	RIVNUT – M8 X 1.25 HEX0.7-3.8	30	
A	184709	WASHER – FLAT LARGE M8-200HV		
B	30716	WASHER – LOCK SPRING M8-CS-1055-1065-AA1J		
C	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		

659. Kit contains 5 pans. Base kit (B7302) contains pans for FD230 header. FD235 requires 1 pan kit, FD240/FD241 requires 2 pan kits, FD245 requires 3 pan kits, and FD250 requires 4 pan kits. Kits are available through Whole Goods only.
660. Includes latch assembly (MD #119726), clamp (NSS), six bolts (MD #184652), four lock spring washers (MD #30716), and two flat washers (MD #184709).
661. Includes six rivnuts (MD #252179).

173 (Option) Upper Cross Auger – Two-Piece Auger (FD225, FD230, FD235, and FD241)

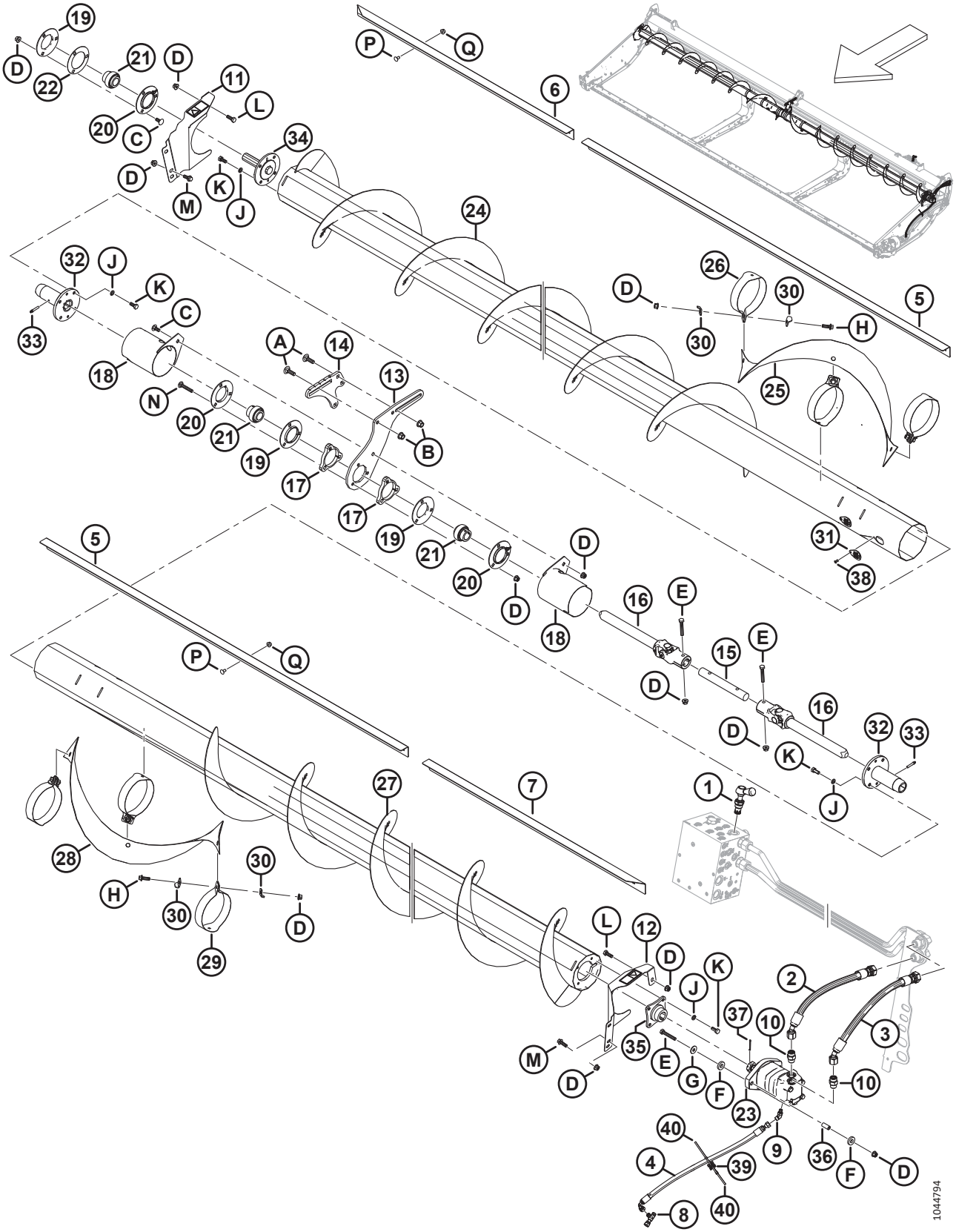


(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (FD225, FD230, FD235, AND FD241)

Ref	Part Number	Description	Qty	Serial Number
	B6413	KIT – FD225 UPPER CROSS AUGER [662]		
	B6414	KIT – FD230 UPPER CROSS AUGER [662]		
	B6415	KIT – FD235 UPPER CROSS AUGER [662]		
	B6416	KIT – FD241 UPPER CROSS AUGER [662]		
1	283571	VALVE – BYPASS	1	
	245158	SEAL KIT		
2	283061	HOSE – HYD	1	
3	283062	HOSE – HYD	1	
4	283077	HOSE – HYD	1	
5	275521	DEFLECTOR – INBOARD 30, 35, AND 41 FT [663]	2	
6	275530	DEFLECTOR – 25 FT	1	
	275533	DEFLECTOR – RH OUTBOARD 30 FT	1	
	275543	DEFLECTOR – RH OUTBOARD 35 FT	1	
	275614	DEFLECTOR – RH OUTBOARD 41 FT	1	
7	275530	DEFLECTOR – 25 FT	1	
	275532	DEFLECTOR – LH OUTBOARD 30 FT	1	
	275542	DEFLECTOR – LH OUTBOARD 35 FT	1	
	275524	DEFLECTOR – LH OUTBOARD 41 FT	1	
8	252621	FITTING – TEE HYD	1	
	135957	O-RING – Ø1.78 X Ø7.65		
9	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
11	**378286**	**SHIELD – ASSEMBLY RH C/W DECAL**	**1**	
12	**378285**	**SHIELD – ASSEMBLY LH C/W DECAL**	**1**	
13	233738	PLATE – SUPPORT, CENTER SLIDING	1	
14	233736	PLATE – SUPPORT, CENTER FIXED	1	
15	233519	SHAFT	1	
16	233513	JOINT – UNIVERSAL	2	
17	233450	PLATE – SPACER	2	
18	233371	GUARD – WELDT	2	
19	49306	FLANGE	3	
20	30661	FLANGE	3	
21	21859	BEARING – SPH OD EXT INNER RACE 1 3/16 BORE	3	
22	172340	SHIM	1	
23	283555	MOTOR – HYD-100 CC SAE B	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0-20 UNEF		

662. Kits are available through Whole Goods only.
663. Inboard deflectors (MD #275521) are not used on FD225 headers.

(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (FD225, FD230, FD235, AND FD241)

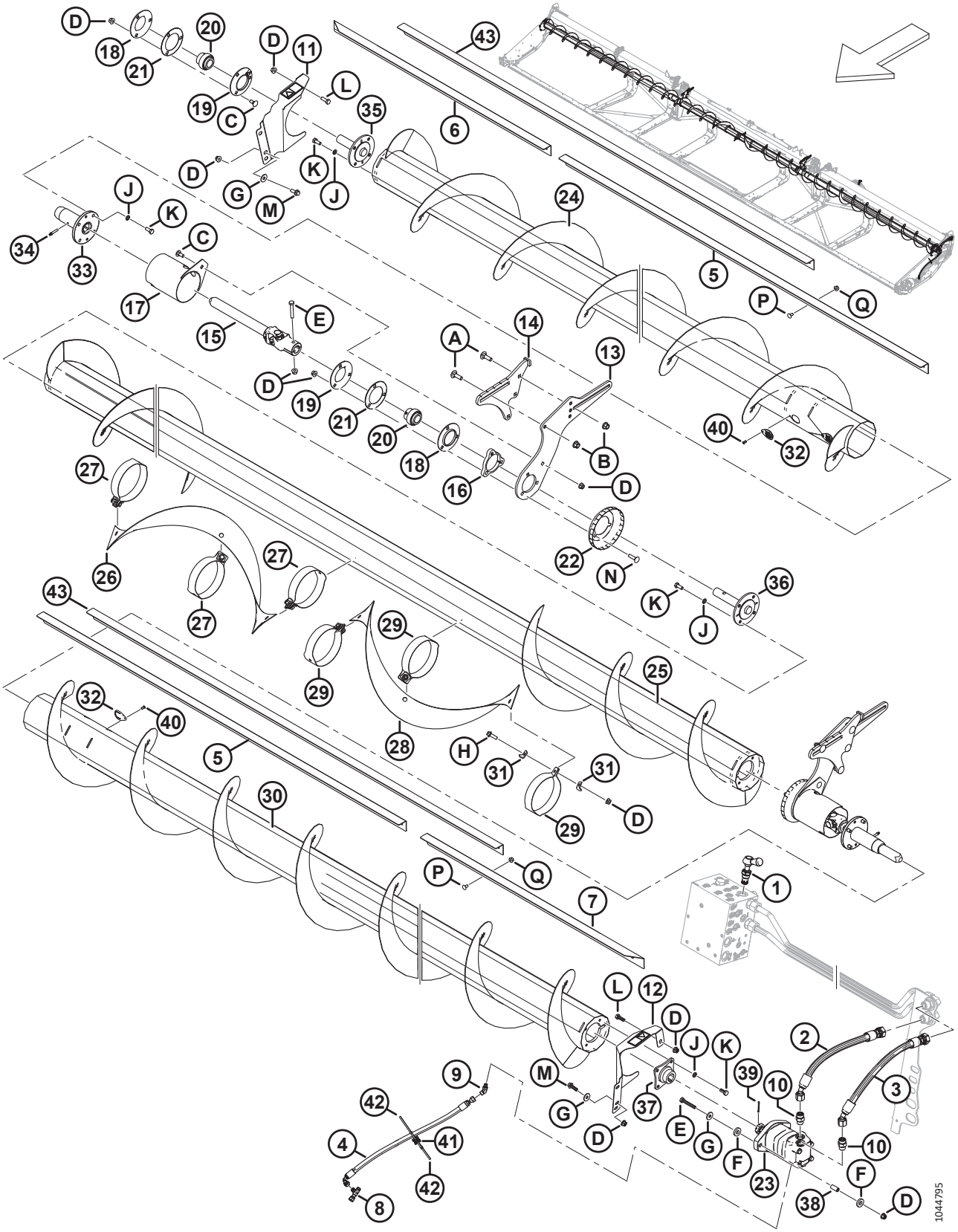


(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (FD225, FD230, FD235, AND FD241)

Ref	Part Number	Description	Qty	Serial Number
24	233654	AUGER – WELDT RH (FD225) [664]	1	
	233656	AUGER – WELDT RH (FD230) [665]	1	
	233658	AUGER – WELDT RH (FD235) [666]	1	
	233660	AUGER – WELDT RH (FD241) [667]	1	
25	233705	FLIGHTING – RH	1	
26	233621	STRAP – RH	3	
27	233655	AUGER – WELDT LH (FD225) [664]	1	
	233657	AUGER – WELDT LH (FD230) [665]	1	
	233659	AUGER – WELDT LH (FD235) [666]	1	
	233661	AUGER – WELDT LH (FD241) [667]	1	
28	233706	FLIGHTING – LH	1	
29	233622	STRAP – LH	3	
30	233623	PLATE	12	
31	233625	COVER	4	
32	233514	HUB – WELDT UCA SLIDING	2	
33	30934	FITTING – 1/4-28 TAPER THD (LUBRICATION)	2	
34	233447	HUB – MACHINED	1	
35	233443	HUB – WELDT, UCA 1.25 TAPER SHAFT	1	
36	233445	SPACER	2	
37	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
38	18768	RIVET – BLIND Ø0.188 IN. X 0.251 TO 0.375 GRIP RANGE	4	
39	134442	SPACER – DUAL SWIVEL SADDLE	1	
40	21763	FASTENER – CABLE TIE, BLACK	2	
A	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
F	233446	WASHER – RUBBER		
G	184712	WASHER – FLAT LARGE M10-200HV		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	30632	WASHER – LOCK SPRING M10		
K	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
L	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
M	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
N	136113	BOLT – RHSN M10 X 1.5 X 60-8.8-AA1J		
P	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
Q	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

664. Used for FD225 headers.
665. Used for FD230 headers.
666. Used for FD235 headers.
667. Used for FD241 headers.

174 (Option) Upper Cross Auger – Three-Piece Auger (FD240, FD245, and FD250)

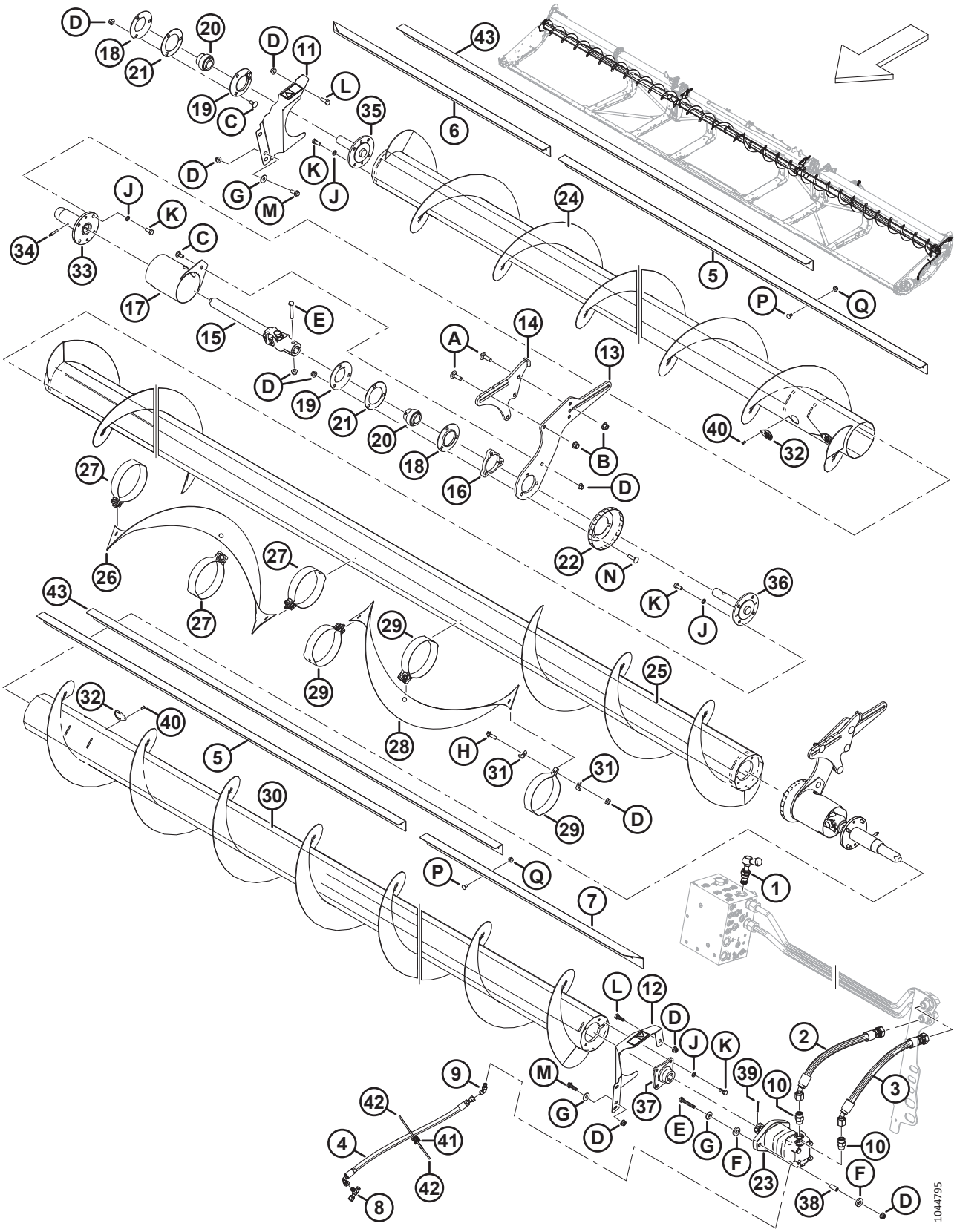


(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (FD240, FD245, AND FD250)

Ref	Part Number	Description	Qty	Serial Number
	B6417	KIT – FD240 UPPER CROSS AUGER [668]		
	B6418	KIT – FD245 UPPER CROSS AUGER [668]		
	B6419	KIT – FD250 UPPER CROSS AUGER [668]		
1	283571	VALVE – BYPASS	1	
	245158	SEAL KIT		
2	283061	HOSE – HYD	1	
3	283062	HOSE – HYD	1	
4	283077	HOSE – HYD	1	
5	275521	DEFLECTOR – INBOARD 40 FT	2	
	275692	DEFLECTOR – INBOARD 45 AND 50 FT	2	
6	275625	DEFLECTOR – RH OUTBOARD 40 AND 50 FT	1	
	275543	DEFLECTOR – RH OUTBOARD 45 FT	1	
7	275624	DEFLECTOR – LH OUTBOARD 40 AND 50 FT	1	
	275542	DEFLECTOR – LH OUTBOARD 45 FT	1	
8	252621	FITTING – TEE HYD	1	
	135957	O-RING – Ø1.78 X Ø7.65		
9	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
11	**378286**	**SHIELD – ASSEMBLY RH C/W DECAL**	**1**	
12	**378285**	**SHIELD – ASSEMBLY LH C/W DECAL**	**1**	
13	233741	PLATE – SUPPORT, CENTER SLIDING	2	
14	233740	SUPPORT – WELDMENT, CENTER FIXED	2	
15	233513	JOINT – UNIVERSAL	2	
16	233450	PLATE – SPACER	2	
17	233371	GUARD – WELDT	2	
18	49306	FLANGE	2	
19	30661	FLANGE	2	
20	21859	BEARING – SPH OD EXT INNER RACE 1 3/16 BORE	3	
21	172340	SHIM	2	
22	233552	SHIELD – FORMED	2	
23	283555	MOTOR – HYD-100 CC SAE B	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
24	233662	AUGER – WELDT RH (FD240 AND FD245) [669]	1	
	233664	AUGER – WELDT RH (FD250) [670]	1	

668. Kits are available through Whole Goods only.
669. Used for FD240 and FD245 headers.
670. Used for FD250 headers.

(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (FD240, FD245, AND FD250)

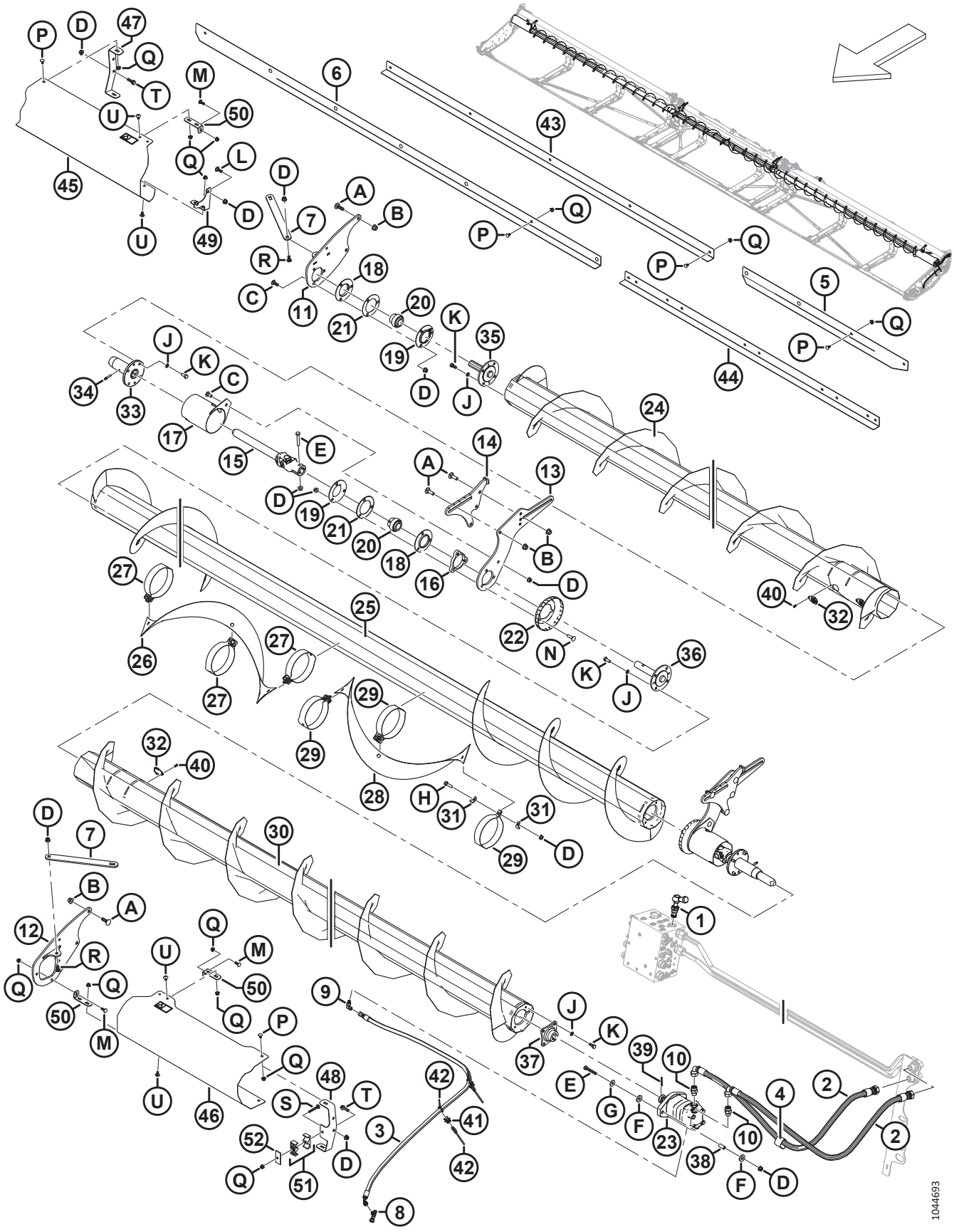


(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (FD240, FD245, AND FD250)

Ref	Part Number	Description	Qty	Serial Number
25	233668	AUGER – WELDT CENTER (FD240) [671]	1	
	233669	AUGER – WELDT CENTER (FD245 AND FD250) [672]	1	
26	233705	FLIGHTING – RH	1	
27	233621	STRAP – RH	3	
28	233706	FLIGHTING – LH	1	
29	233622	STRAP – LH	3	
30	233663	AUGER – WELDT LH (FD240 AND FD245) [669]	1	
	233665	AUGER – WELDT LH (FD250) [670]	1	
31	233623	PLATE	12	
32	233625	COVER	4	
33	233514	HUB – WELDT, UCA SLIDING	2	
34	30934	FITTING – 1/4-28 TAPER THD (LUBRICATION)	2	
35	233447	HUB – MACHINED, UCA IDLE END	1	
36	233516	HUB – MACHINED, UCA CENTER	2	
37	233443	HUB – WELDT, UCA 1.25 TAPER SFAFT	1	
38	233445	SPACER	2	
39	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
40	18768	RIVET – BLIND Ø0.188 IN. X 0.251 TO 0.375 GRIP RANGE	4	
41	134442	SPACER – DUAL SWIVEL SADDLE	1	
42	21763	FASTENER – CABLE TIE, BLACK	2	
43	275691	DEFLECTOR – MIDDLE 45 AND 50 FT [673]	2	
A	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
F	233446	WASHER – RUBBER		
G	184712	WASHER – FLAT LARGE M10-200HV		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	30632	WASHER – LOCK SPRING M10		
K	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
L	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
M	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
N	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
P	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
Q	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

671. Used for FD240 headers.
672. Used for FD245 and FD250 headers.
673. Middle deflector (MD #275691) is placed between the inboard and outboard deflectors for FD245 and FD250 headers only.

175 (Option) Upper Cross Auger – Three-Piece Auger (FD261)

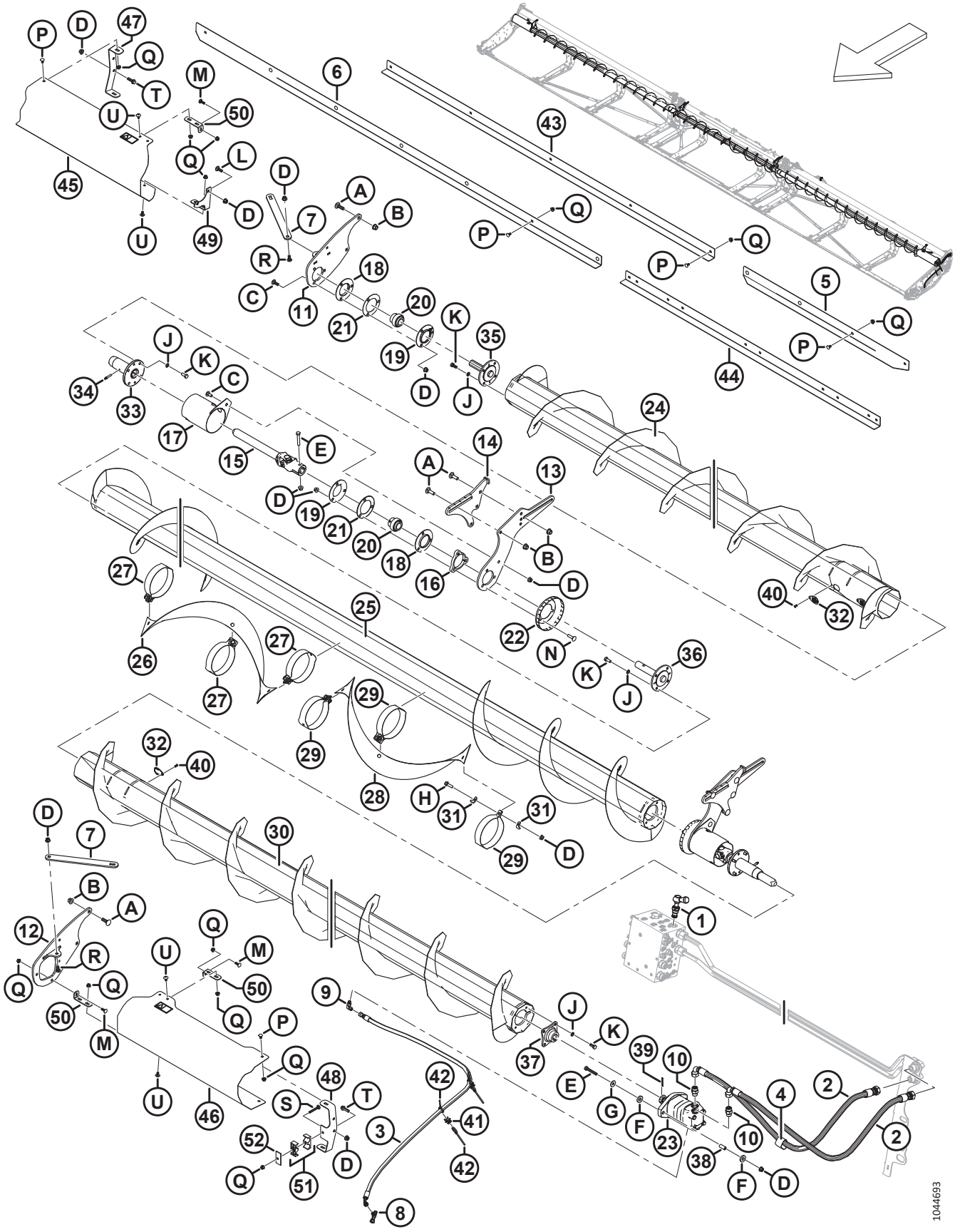


(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (FD261)

Ref	Part Number	Description	Qty	Serial Number
	B6420	KIT – FD261 UPPER CROSS AUGER [674]		
1	283571	VALVE – BYPASS	1	
	245158	SEAL KIT		
2	366140	HOSE – HYD	2	
3	366141	HOSE – HYD	1	
4	135444	CINCH STRAP – 6 IN. LG	1	
5	275692	DEFLECTOR – INBOARD 45 AND 50 FT	2	
6	275624	DEFLECTOR – OUTBOARD 40 AND 50 FT [675]	1	
	275625	DEFLECTOR – OUTBOARD 40 AND 50 FT [676]	1	
7	261251	BAR – UCA BRACE	2	
8	252621	FITTING – TEE HYD	1	
	135957	O-RING – Ø1.78 X Ø7.65		
9	136447	FITTING – ELBOW 90° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
11	261620	SUPPORT – RH WELDT	1	
12	261619	SUPPORT – LH WELDT	1	
13	233741	PLATE – SUPPORT, CENTER SLIDING	2	
14	233740	SUPPORT – WELDMENT, CENTER FIXED	2	
15	233513	JOINT – UNIVERSAL	2	
16	233450	PLATE – SPACER	2	
17	233371	GUARD – WELDT	2	
18	49306	FLANGE	3	
19	30661	FLANGE	3	
20	21859	BEARING – SPH OD EXT INNER RACE 1 3/16 BORE	3	
21	172340	SHIM	3	
22	233552	SHIELD – FORMED	2	
23	283555	MOTOR – HYD-100 CC SAE B	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
24	233666	AUGER – RH WELDT 61 FT	1	
25	233669	AUGER – WELDT CENTER	1	
26	233705	FLIGHTING – RH	1	
27	233621	STRAP – RH	3	
28	233706	FLIGHTING – LH	1	
29	233622	STRAP – LH	3	
30	233667	AUGER – LH WELDT 61 FT	1	
31	233623	PLATE	12	

674. Kits are available through Whole Goods only.
675. RH outboard deflector for FD261 headers.
676. LH outboard deflector for FD261 headers.

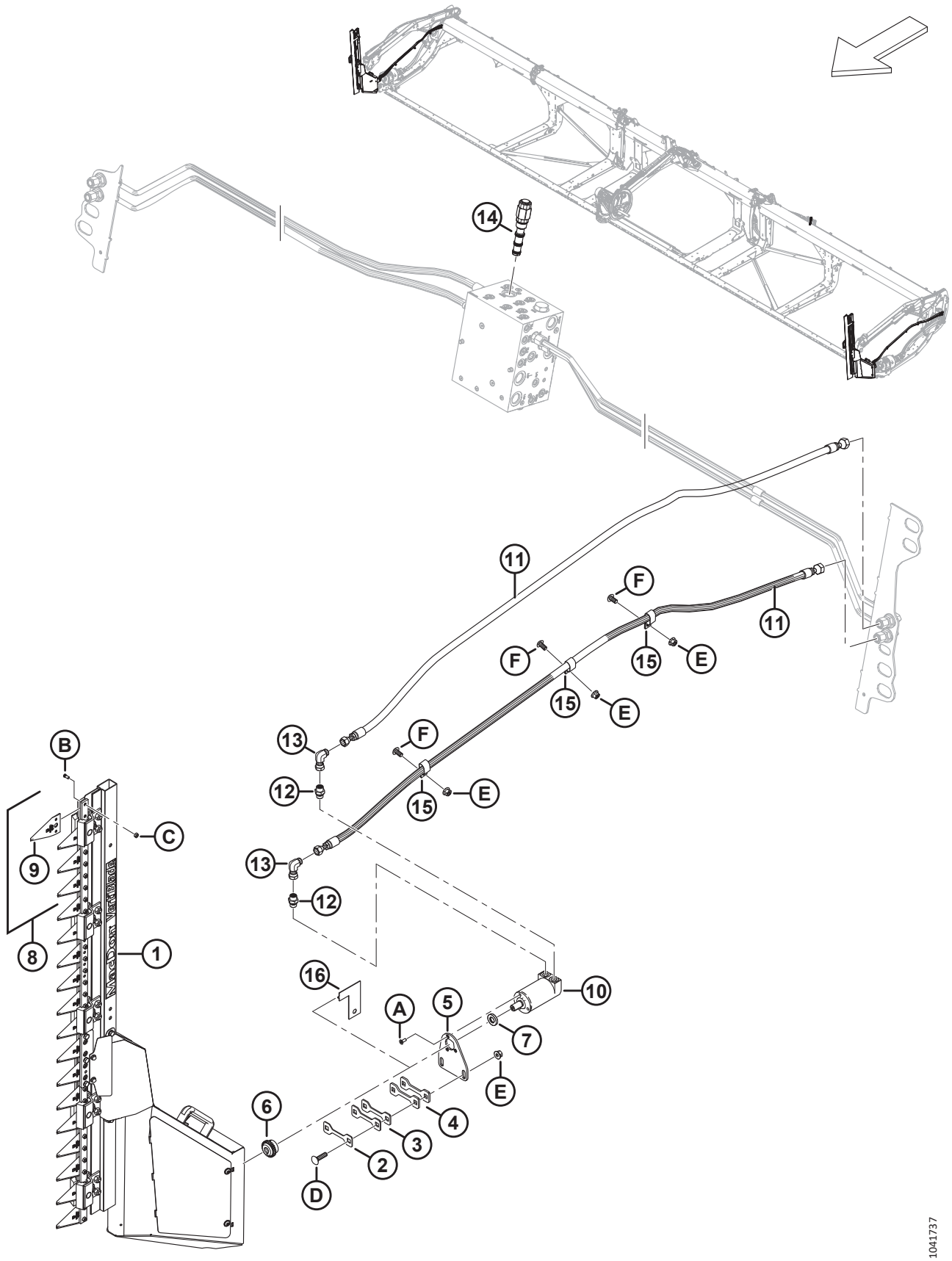
(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (FD261)



(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (FD261)

Ref	Part Number	Description	Qty	Serial Number
32	233625	COVER	4	
33	233514	HUB – WELDT, UCA SLIDING	2	
34	30934	FITTING – 1/4-28 TAPER THD (LUBRICATION)	2	
35	233447	HUB – MACHINED, UCA IDLE END	1	
36	233516	HUB – MACHINED, UCA CENTER	2	
37	233443	HUB – WELDT, UCA 1.25 TAPER SFAFT	1	
38	233445	SPACER	2	
39	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
40	18768	RIVET – BLIND Ø0.188 IN. X 0.251 TO 0.375 GRIP RANGE	4	
41	134442	SPACER – DUAL SWIVEL SADDLE	2	
42	21763	FASTENER – CABLE TIE, BLACK	4	
43	275691	DEFLECTOR – MIDDLE	2	
44	261282	DEFLECTOR – MIDDLE 61 FT	2	
45	261552	SHIELD – UCA RH 61 FT	1	
46	261551	SHIELD – UCA LH 61 FT	1	
47	261549	BRACKET – SHIELD UCA RH	1	
48	261550	BRACKET – SHIELD UCA LH	1	
49	261541	BRACKET – SHIELD UCA RH INNER	1	
50	261529	BRACKET – UCA SHIELD	3	
51	232219	CLAMP – ASSY	1	
52	232233	CLAMP – COVER PLATE	1	
	302204	DECAL – CA PROPOSITION 65	1	
	279085	DECAL – WARNING, AUGER	2	
	233745	DECAL – UCA VALVE	1	
A	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
F	233446	WASHER – RUBBER		
G	184712	WASHER – FLAT LARGE M10-200HV		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	30632	WASHER – LOCK SPRING M10		
K	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
L	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
M	184648	BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J		
N	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
P	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
Q	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
R	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
S	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
T	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
U	320536	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-ZINC		

176 (Option) VertiBlade™ Vertical Knife Kit

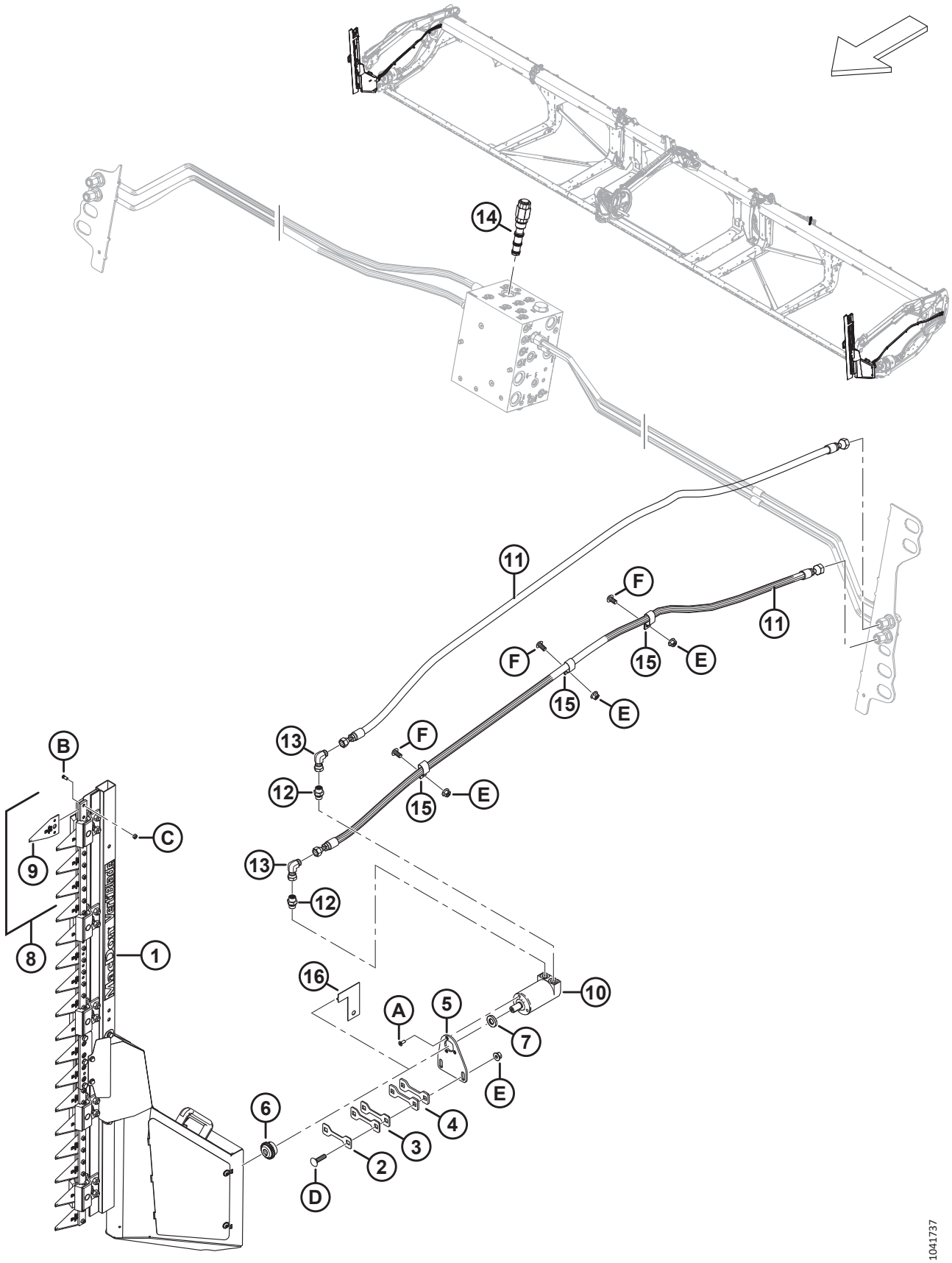


(OPTION) VERTIBLADE™ VERTICAL KNIFE KIT

Ref	Part Number	Description	Qty	Serial Number
	B7029	KIT – VERTIBLADE VERTICAL KNIVES [677]		
	B7464	KIT – VERTICAL KNIFE COMPONENTS [678]		
	B7466	KIT – VERTICAL KNIFE [679]		
1	313502	KNIFE – VERTICAL ASSEMBLY, RH [680]	1	
	313501	KNIFE – VERTICAL ASSEMBLY, LH [680]	1	
2	313750	SHIM – 2 MM THK	A/R	
3	313749	SHIM – 3 MM THK	A/R	
4	313745	SHIM – 4.5 MM THK	A/R	
5	313744	SUPPORT – MOTOR VERTICAL KNIFE	2	
6	313808	HUB	2	
7	313801	SPACER	2	
8	313797	KIT – VERTICAL KNIFE SECTIONS [681]	A/R	
9	313788	SECTION – VERTICAL KNIFE	A/R	
10	**378191**	**MOTOR – HYDRAULIC HPS**	**2**	
11	283066	HOSE – HYD	4	
12	136653	FITTING – ADAPTER	4	
	135865	O-RING – Ø1.78 X Ø9.25		
	136654	O-RING – 1.50 X 2.10 X 14.70		
13	136249	FITTING – ELBOW 90° HYD	4	
14	283008	VALVE – PRIORITY FLOW REG (FRRV) [682]	1	
	283579	SEAL KIT		
15	135235	CLAMP – DOUBLE HOSE INSULATED	6	
16	313780	GUIDE – VERTICAL KNIFE [683]	1	
A	320220	SCREW – TORX CSK HD TFL M6 X 1 X 16-SPCL-8.8-ZINC		
B	313789	SCREW – VERTICAL KNIFE SECTION		
C	313790	NUT – VERTICAL KNIFE SECTION		
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		

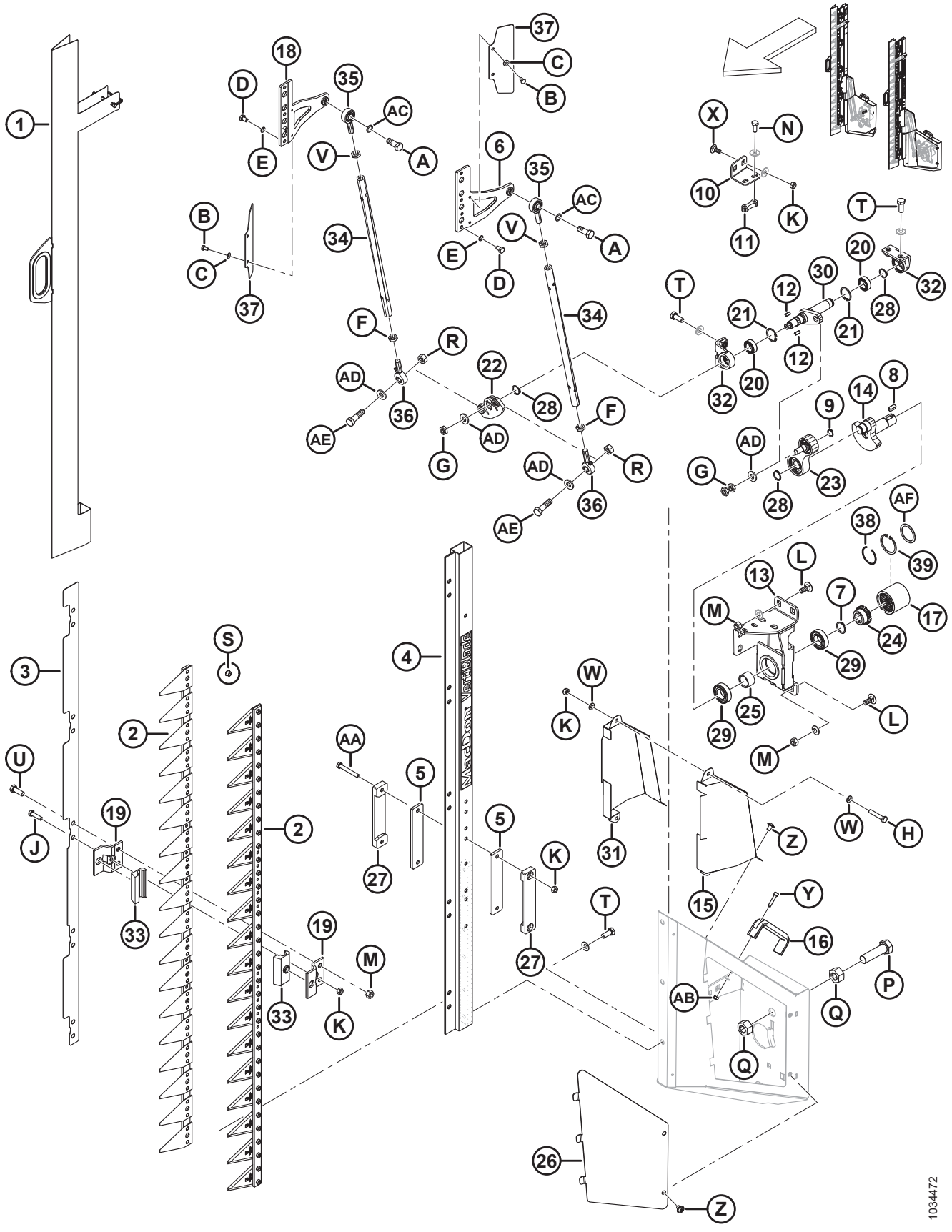
677. Kits are available through Whole Goods only.
678. For European markets. This kit includes everything in base vertical knife kit B7029 less the left and right vertical knives (MD #313501 and 313502), motors (MD #378191), knife sections kit (MD #313797), spacers (MD #313801), and hubs (MD #313808). To complete European vertical knives, order European Vertical Knife kit B7466. Kits are available through Whole Goods only.
679. For European markets. This kit includes the left and right vertical knives (MD #313501 and 313502), motors (MD #378191), knife sections kit (MD #313797), spacers (MD #313801), and hubs (MD #313808) only. To complete European vertical knives, order European Vertical Knife Components kit B7464. Kits are available through Whole Goods only.
680. For vertical knife components, refer to Section *177 (Option) VertiBlade™ Vertical Knife Components, page 437*.
681. The kit includes four vertical knife sections (MD #313788), eight vertical knife section screws (MD #313789), and eight vertical knife section nuts (MD #313790).
682. Connects to port FRRV.
683. The guide is used as a tool to determine the correct number of shims (MD #313750, MD #313749, and MD #313745) required to fill the gap between the frame plate and the guide. The guide is removed after determining the gap. Refer to the installation instructions for more details.

(OPTION) VERTIBLADE™ VERTICAL KNIFE KIT



Ref	Part Number	Description	Qty	Serial Number
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		

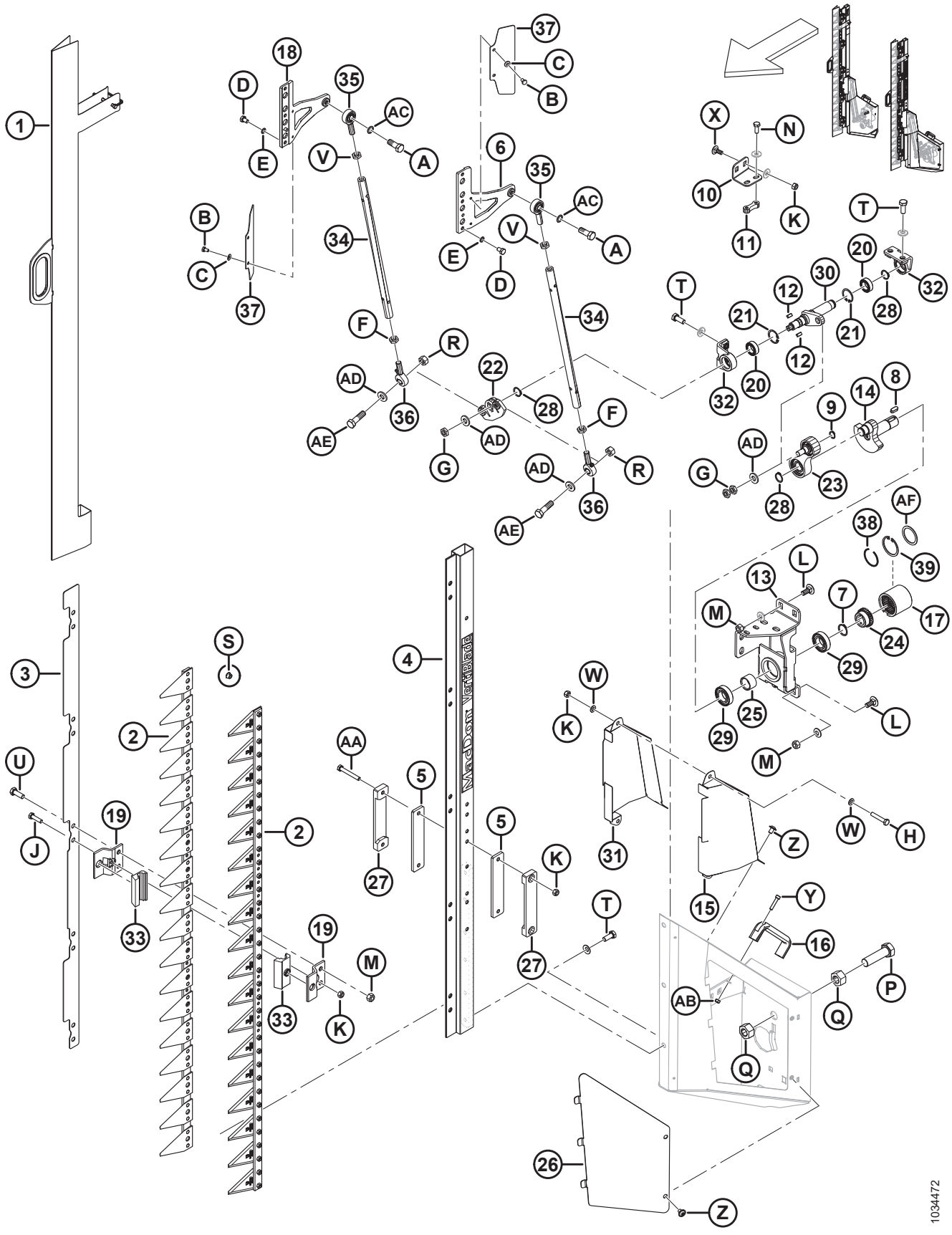
177 (Option) VertiBlade™ Vertical Knife Components



(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
	313501	KNIFE – VERTICAL ASSEMBLY, LH		
	313502	KNIFE – VERTICAL ASSEMBLY, RH		
1	313798	SHIELD – VERTICAL KNIFE	2	
2	313799	KNIFE ASSY – VERTICAL KNIFE	4	
3	313800	PLATE – ADAPTER POSITIONING	2	
4	313802	BAR	2	
5	313805	GUIDE – INNER	4	
6	313807	KNIFEHEAD – LH	2	
7	313810	RING – RETAINING EXTERNAL	2	
8	313815	KEY	2	
9	313819	RING – RETAINING EXTERNAL	2	
10	313882	BRACKET – CRANK DRIVE RH	1	
	313820	BRACKET – CRANK DRIVE LH	1	
11	313821	PLATE – THREADED	2	
12	313824	KEY	4	
13	313884	SUPPORT – RH DRIVE WELDMENT	1	
	313825	SUPPORT – LH DRIVE WELDMENT	1	
14	313828	SHAFT – CRANK	2	
15	313836	COVER – RH KNIFE OUTER	2	
	313835	COVER – LH KNIFE OUTER	2	
16	313841	HANDLE	2	
17	313809	COUPLING	2	
18	313869	KNIFEHEAD – RH	2	
19	313804	GUIDE – KNIFE	20	
20	313817	BEARING – ANGULAR	4	
21	313818	RING – RETAINING INTERNAL	4	
22	313826	ARM – OSCILLATING	2	
23	313827	PITTMAN ASSEMBLY	2	
24	313813	HUB	2	
25	313814	SLEEVE – CRANKSHAFT SPACER	2	
26	313834	COVER – RH SIDE	1	
	313833	COVER – LH SIDE	1	
27	313806	GUIDE – OUTER	4	
28	313811	RING – RETAINING EXTERNAL	6	
29	313812	BEARING	4	
30	313883	SHAFT – DRIVE, RH	1	
	313822	SHAFT – DRIVE, LH	1	
31	313838	COVER – RH KNIFE INNER	1	
	313837	COVER – LH KNIFE INNER	1	
32	313816	SUPPORT – OUTPUT SHAFT	4	
33	313803	GUIDE	20	
34	313829	TUBE	4	
35	313830	JOINT – BALL	4	
36	313831	JOINT – BALL BEARING	4	

(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

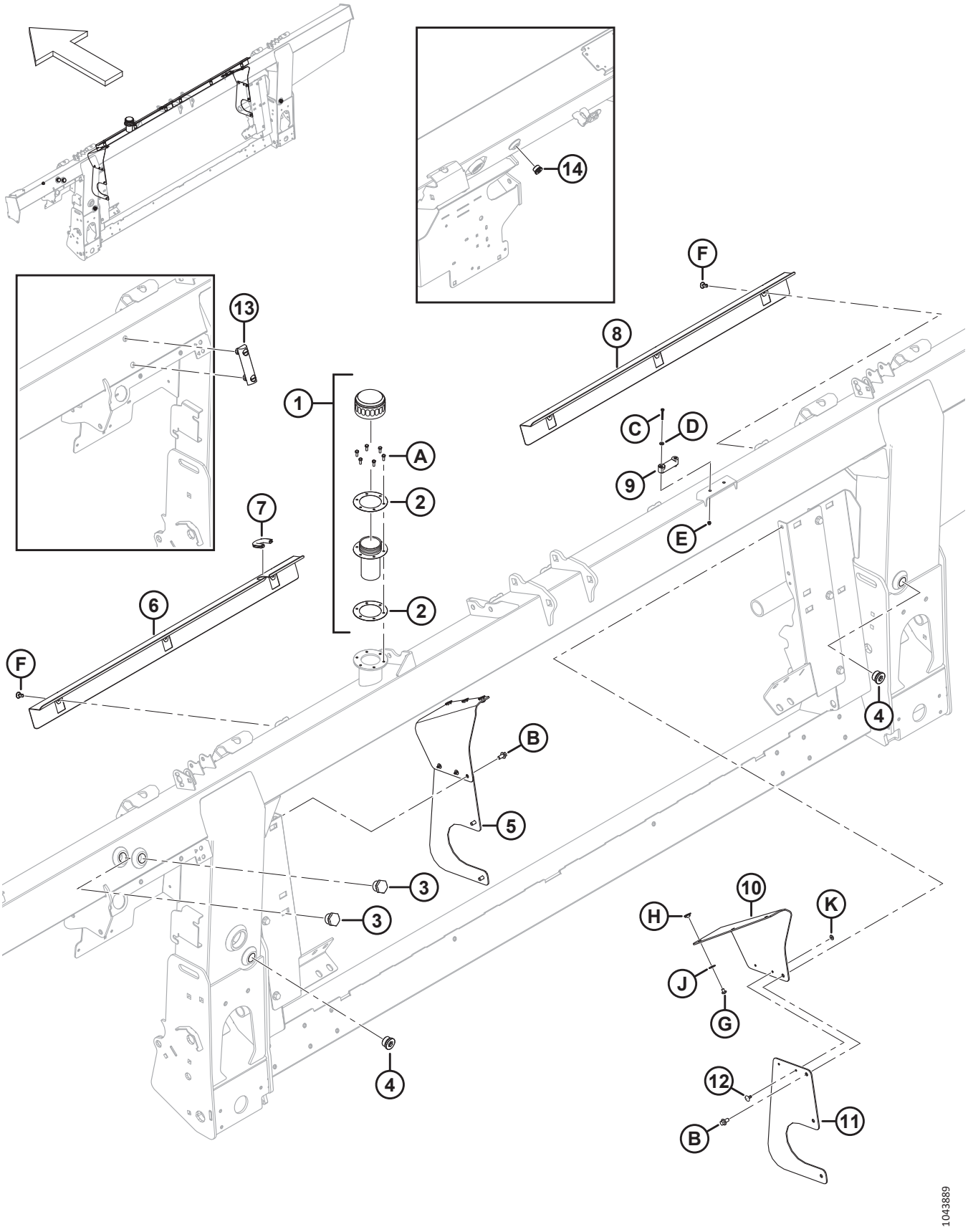


(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
37	313839	DEFLECTOR	4	
38	340077	RING – RETAINING [684]	1	
39	340078	RING – INTERNAL [684]	1	
	23165	DECAL – 50 HR LUBE		
	313881	DECAL – VERTICAL KNIFE HAZARD		
A	313847	SCREW – M12 X 1.75 X 32		
B	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
C	30631	WASHER – LOCK SPRING M6		
D	313848	SCREW – HEX M8 X 1 X 12		
E	313849	WASHER – LOCK SCHNORR		
F	313844	NUT – HEX, M12 X 1.75 LH THD LOCK		
G	313845	NUT – HEX M12 X 1.5		
H	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
J	50140	BOLT – HEX HD M8 X 1.25 X 30-8.8-AA1J		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
M	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
N	136302	BOLT – HEX SER FLG HD TFL M8 X 1.25 X 20-8.8-ZINC		
P	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
Q	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		
R	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
S	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
T	152670	BOLT – HEX FLG HD M10 X 1.5 X 20-SPC-8.8-AA1J		
U	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
V	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		
W	184708	WASHER – FLAT M8-200HV-AA1J		
X	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
Y	252236	SCREW – HEX SOC M6 X 1 X 25-10.9 AA1T		
Z	252292	SCREW – HEX SOC BTN HD M8 X 1.25 X 12-10.9-AA1J		
AA	252398	BOLT – HEX HD M8 X 1.25 X 60-8.8-ZINC		
AB	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
AC	313846	WASHER – LOCK SCHNORR		
AD	313832	WASHER		
AE	313843	SCREW – M12 X 1.75 X 43		
AF	340076	WASHER [684]		

684. Service part for coupling (MD #313809).

178 Frame Components – Float Module



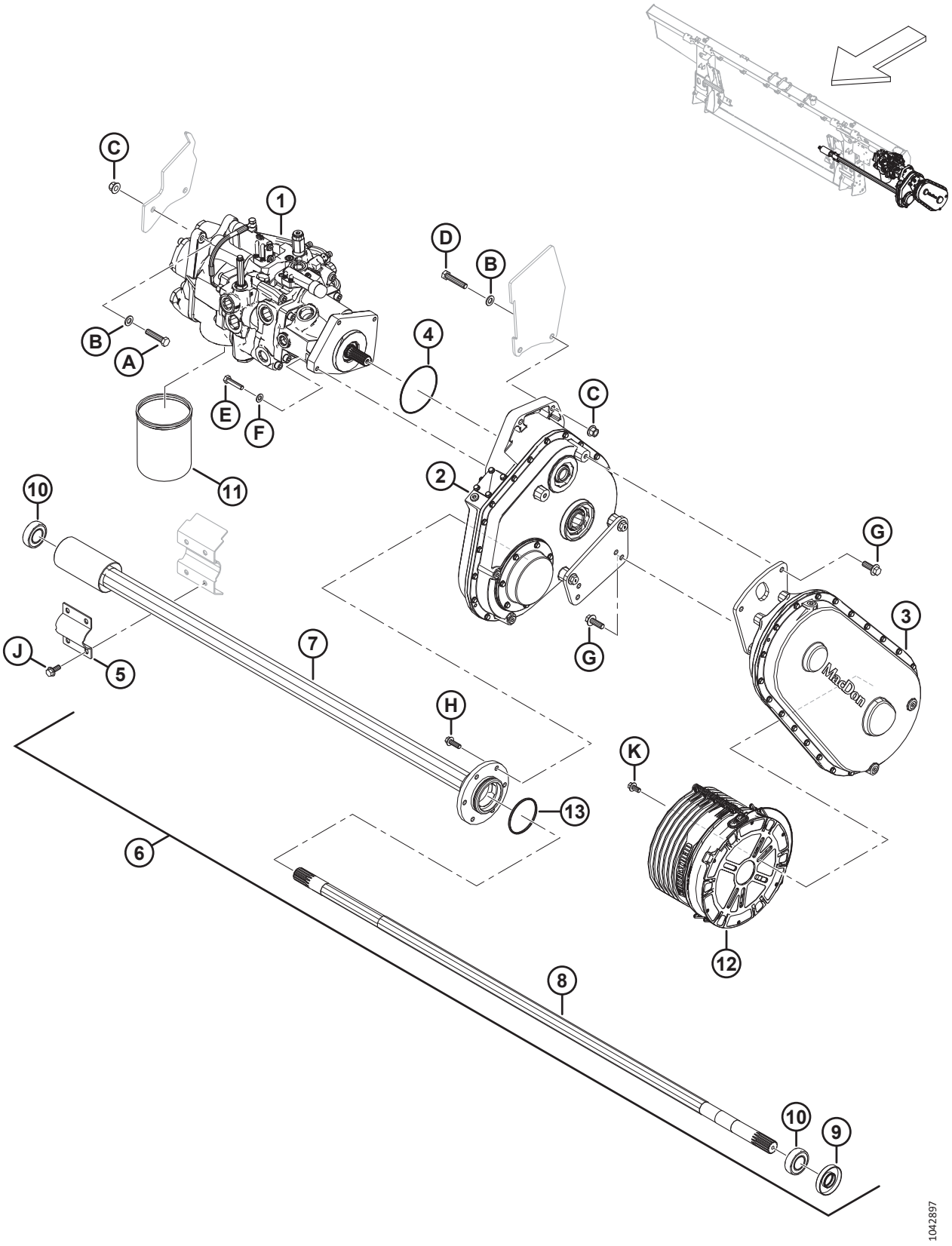
NOTE:

The oil filler cap (MD #133942) and oil fill neck are to the left of the center-link for model year 2022 and prior float modules; the oil filler cap and oil fill neck are to the right of the center-link for model year 2023 and later float modules.

Ref	Part Number	Description	Qty	Serial Number
1	133942	CAP – OIL FILLER [685]	1	
2	304658	GASKET – OIL FILLER (2 PACK)	1	
3	304668	SIGHT GLASS (2022 AND PRIOR) [686]	2	
4	136269	PLUG – HEX SOCKET	2	
	30971	O-RING – Ø2.95 X Ø23.47		
5	357512	KIT – DUST COVER SIDES [687]	A/R	
6	378133	COVER – LH	1	
7	194082	MOULDING	1	
8	322870	COVER – RH	1	
9	322872	LEVEL – BUBBLE	1	
10	357174	FLAP – DUST COVER FILLER	2	
11	357173	COVER – FEED AUGER SIDE	2	
12	293053	RIVET – POP	4	
13	156696	GAUGE – LEVEL (2023 AND LATER) [688]	1	
14	158174	FITTING – PLUG HYD 8 ORB HEX SOC [689]	A/R	
	44209	O-RING – 2.21 X 16.36		
A	320397	SCREW – HEX HD TFL M5 X 0.8 X 12-8.8-PLAIN (2022 AND LATER)		421190–
	135873	SCREW – MACH #10-32 X 0.5 IN. HEX (2021 AND PRIOR)		–421189
B	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
C	320388	SCREW – PAN HD TFL M4 X 0.7 X 30-4.8-ZINC		
D	18798	WASHER – FLAT SAE 7/32 ID X 7/16 IN OD AA1J		
E	197320	NUT – HEX NYLOC M4 X 0.7-8-AA1J		
F	368221	KIT – PUSH-IN CLIP [690]		
G	252291	SCREW – PAN HD M6 X 1 X 8-8.8-AA1J		
H	252051	NUT – TEE M6		
J	184706	WASHER – FLAT LARGE M6-200HV		
K	293054	WASHER – FLAT LARGE M5-200HV-AA1J		

685. Remove the cap and gasket covering the fill hole during shipping (not shown). Retain six screws (MD #135873). Replace the cap and gasket with oil filler cap (MD #133942) which comes complete with oil cap (NSS), filler neck (NSS), and two gaskets (MD #304658). Use the six screws retained from the shipping cap to attach the oil filler cap to the frame. The oil filler cap comes shipped with the frame or can be ordered as a replacement.
686. Sight glass (MD #304668) is used for machines made in model year 2022 and prior.
687. This kit is used to service units with superseded side covers (MD #347558). The kit includes two dust cover filler flaps (MD #357174), two feed auger side covers (MD #357173), four pop rivets (MD #293053), and hardware.
688. Level gauge (MD #156696) is used for machines made in model year 2023 and later.
689. Plug fitting (MD #158174) is used only for float modules with an integrated hydraulic system.
690. Kit contains 6 push-in clips.

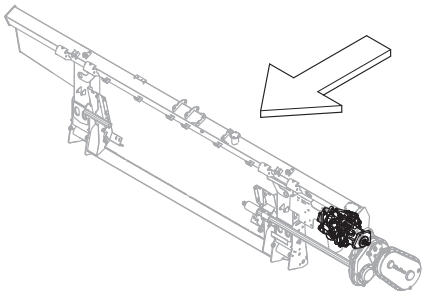
179 Pump, Gearbox, and Input Drive (Integrated Hydraulic System)

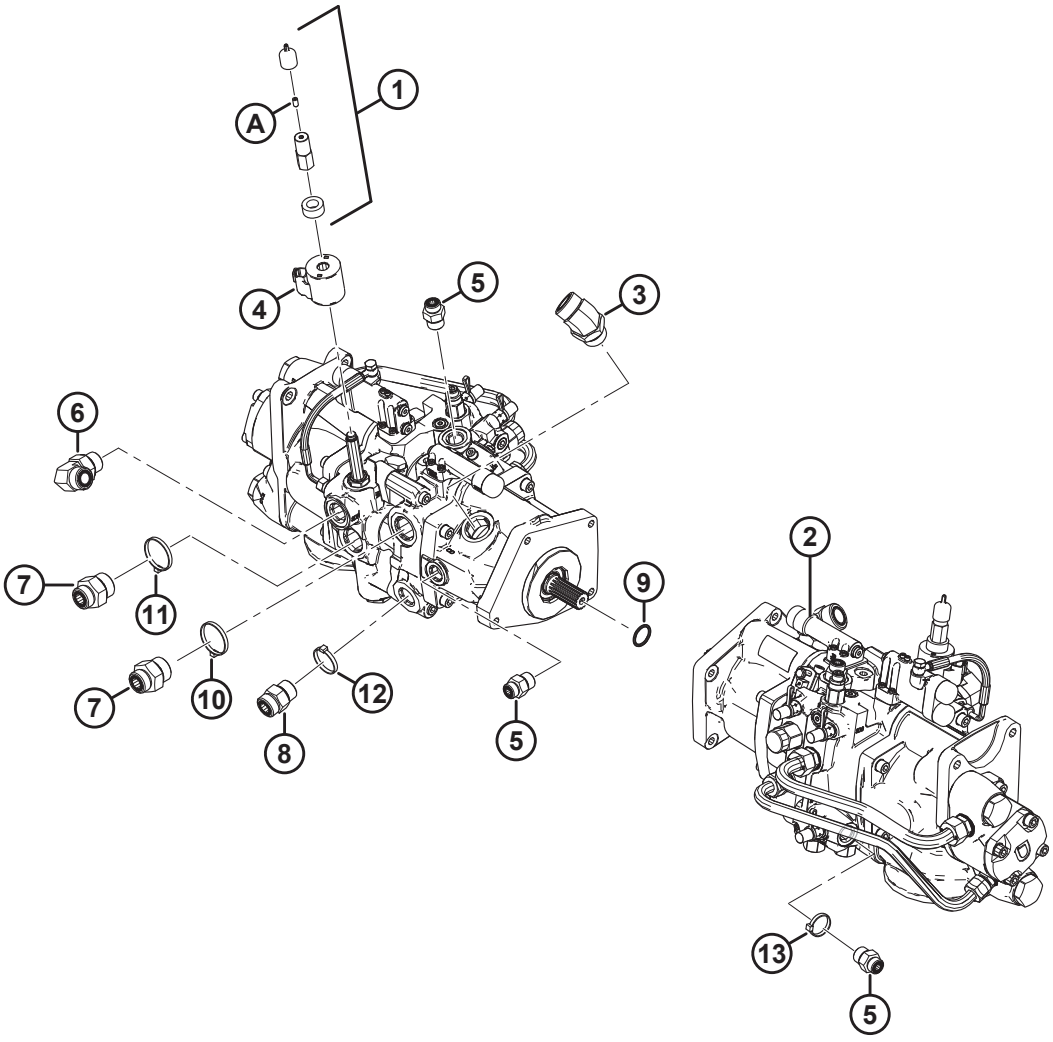


Ref	Part Number	Description	Qty	Serial Number
1	337774	PUMP – INTEGRATED [691]	1	
2	308725	DRIVE – FLOAT MODULE MAIN [692]	1	
3	308726	DRIVE – INPUT (CNH) [693]	1	
	337713	DRIVE – INPUT (JD) [694]	1	
	347001	DRIVE – INPUT (CLAAS) [695]	1	
	308863	DRIVE – INPUT (AGCO) [696]	1	
4	328713	O-RING – 2.62 X 113.97	1	
5	347185	CLAMP – AUGER PIVOT	1	
6	308732	ASSEMBLY – FEED AUGER SHAFT [697]	1	
7	328370	TUBE – OUTPUT	1	
8	308740	SHAFT – OUTPUT	1	
9	308755	SEAL – SHAFT	1	
10	21363	BEARING – SPH OD AND COLLAR C/W 2 SEALS	2	
11	320360	FILTER – HYD C/W 2X SEALS	1	
12	322561	GUARD – COUNTER CONE 250 MM	1	
13	252462	O-RING – 3.18 X 82.55	1	
A	152779	BOLT – HEX HD M12 X 1.75 X 55-8.8-AA1J		
B	184714	WASHER – FLAT REG M12-300HV		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	152274	BOLT – HEX HD M12 X 1.75 X 60-8.8-AA1J		
E	135335	BOLT – HEX HD M10 X 1.5 X 45-8.8-AA1J		
F	184711	WASHER – FLAT REG M10-200HV-AA1J		
G	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
K	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

691. For pump assembly, refer to Section *180 Pump Assembly (Integrated Hydraulic System), page 445*.
692. For gearbox assembly, refer to Section *185 Gearbox Assembly, page 459*.
693. Used with Case and New Holland combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
694. Used with John Deere combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
695. Used with CLAAS combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
696. Used with Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
697. The feed auger shaft assembly includes shaft seal (MD #308755), collar bearing (MD #21363), output tube (MD #328370), output shaft (MD #328202), 62 mm O.D. insert ball bearing (MD #328371), O-ring (MD #252462), and two set screws (MD #320418).

180 Pump Assembly (Integrated Hydraulic System)





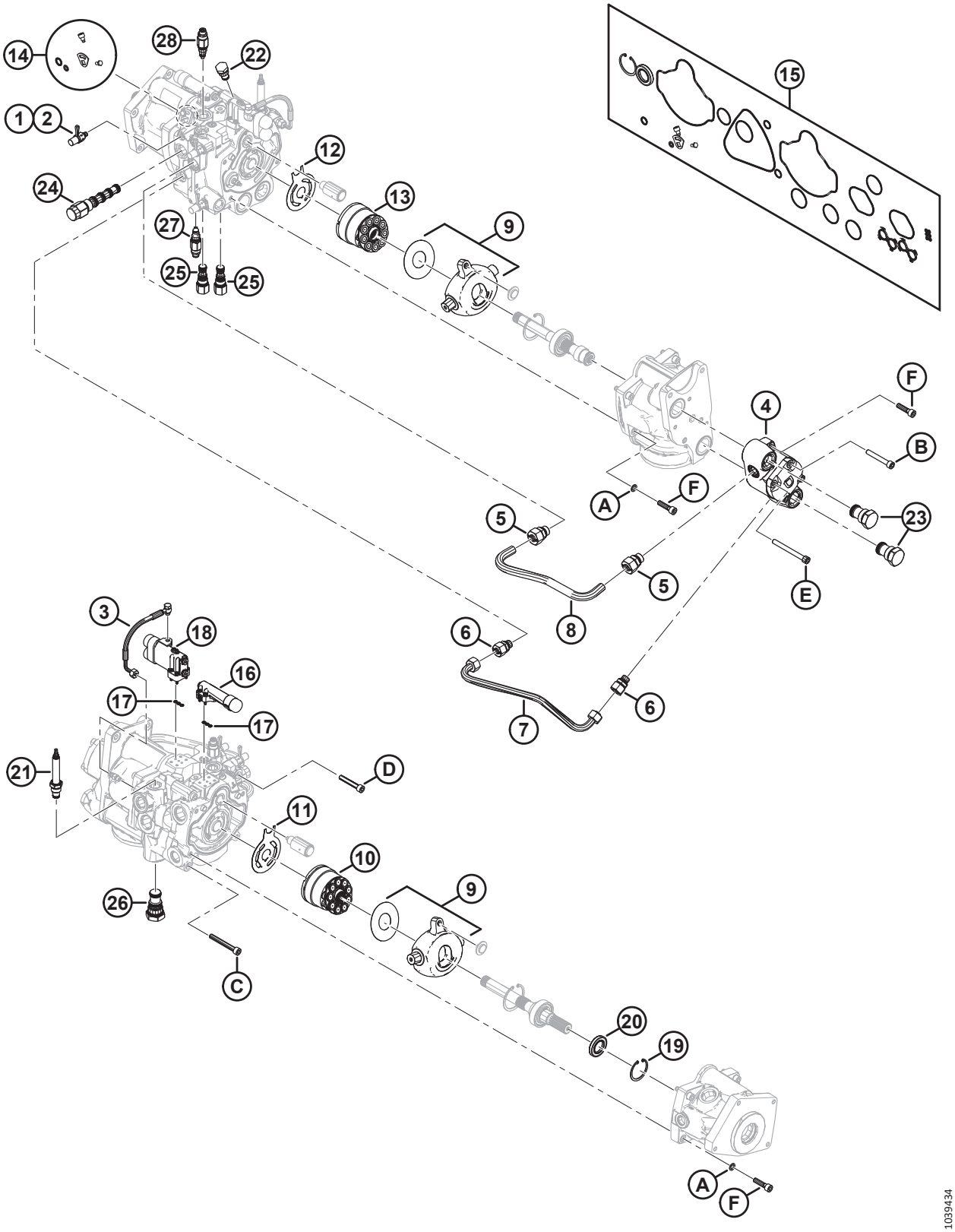
1034439

PUMP ASSEMBLY (INTEGRATED HYDRAULIC SYSTEM)

Ref	Part Number	Description	Qty	Serial Number
1	328262	KIT – MANUAL OVERRIDE [698]	1	
2	337774	PUMP – INTEGRATED [699]	1	
	322148	SEAL KIT		
3	252814	FITTING – ELBOW 45° HYD	1	
	135554	O-RING – 1.78 X 23.52		
	50220	O-RING – Ø2.95 X Ø29.74		
4	209045	COIL – SOLENOID	1	
5	184463	FITTING – ADAPTER HYD (M1, M2) [700]	3	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
6	135821	FITTING – ELBOW 90° HYD (SDP) [701]	1	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
7	135789	FITTING – ADAPTER (KP) [702]	2	
	50220	O-RING – Ø2.95 X Ø29.74		
	135868	O-RING – Ø1.78 X Ø18.77		
8	135788	FITTING – ADAPTER (SDR) [703]	1	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
9	17006	O-RING – 3.18 X 25.40	1	
10	40704	FASTENER – CABLE TIE, ORANGE	1	
11	40703	FASTENER – CABLE TIE, BLUE	1	
12	40702	FASTENER – CABLE TIE, RED	1	
13	21763	FASTENER – CABLE TIE, BLACK	1	
A	21061	SCREW – SET HEX SOC 1/4-20 X 1/2 GR5 AF0C	1	

698. The kit includes one spacer coil (NSS), one dust cap (NSS), one coil nut (NSS), and one set screw (MD #21061).
699. If replacement parts are needed for discontinued seal kit (MD #328281) or discontinued relief valves (MD #322159 and MD #328282), order new integrated pump (MD #337774). For integrated pump service parts, refer to Section *181 Integrated Pump – Service Parts (Integrated Hydraulic System), page 447*.
700. Connects to ports M1 and M2.
701. Connects to port SDP.
702. Connects to port KP.
703. Connects to port SDR.

181 Integrated Pump – Service Parts (Integrated Hydraulic System)

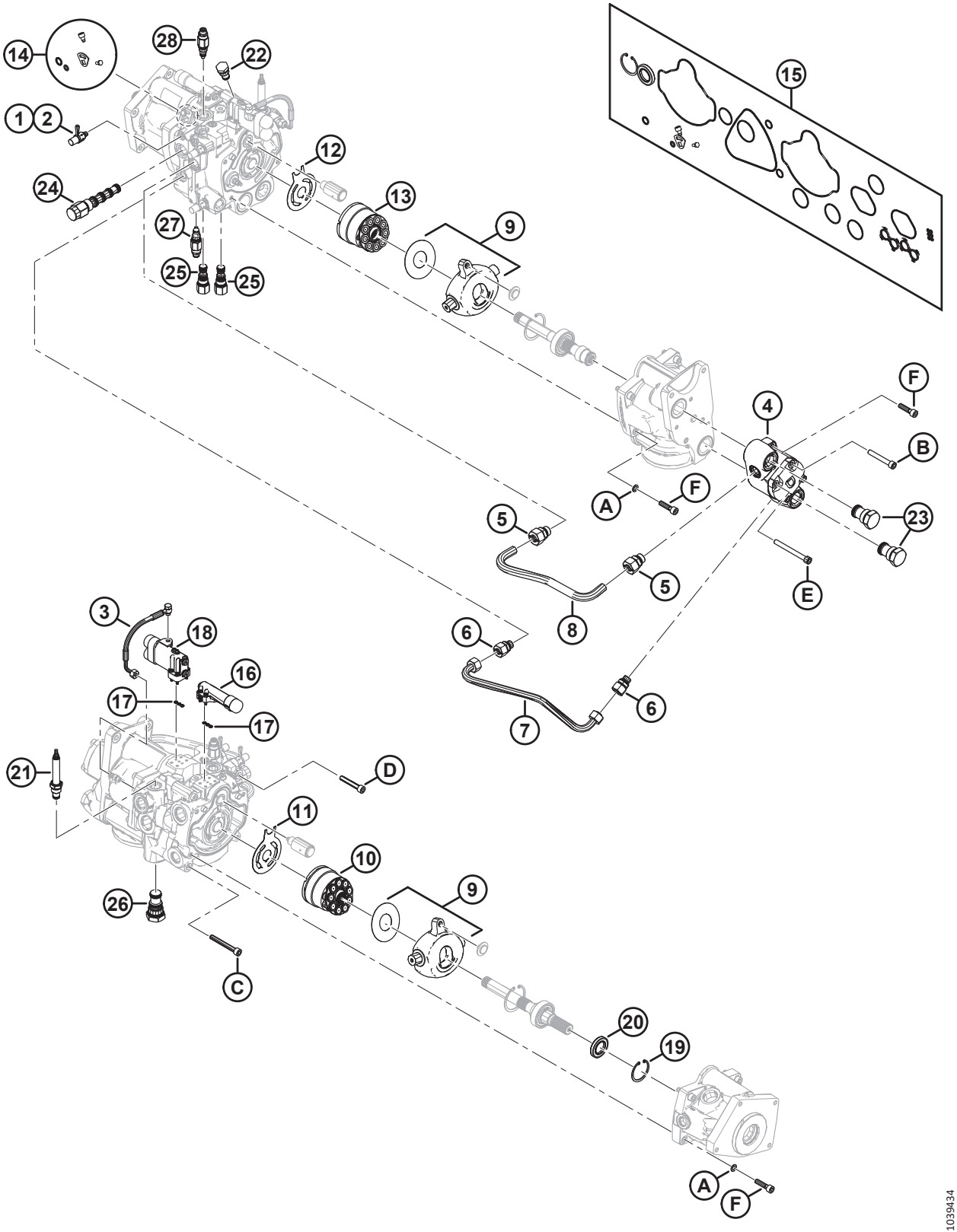


NOTE:

All illustrated parts that are **NOT** in the parts list are non-serviced parts; illustrated for reference only.

Ref	Part Number	Description	Qty	Serial Number
	337774	PUMP – INTEGRATED [704]		
1	136900	CAP – DUST	3	
2	134437	FITTING – COUPLING HYD-TEST PORT	3	
3	276790	KIT – LS HOSE AND HARDWARE	1	
4	328288	KIT – 15CC GEAR PUMP W/ HARDWARE	1	
5	328292	FITTING – ADAPTER (18 MM) [705]	2	
6	328293	FITTING – ADAPTER (15 MM) [706]	2	
7	328291	LINE – REVERSE [707]	1	
8	328290	LINE – FORWARD [707]	1	
9	337441	KIT – SWASHPLATE REBUILD	2	
10	328313	KIT – 45CC ROTATING GROUP	1	
11	328312	PLATE – VALVE	1	
12	328311	PLATE – VALVE	1	
13	328310	KIT – 38CC ROTATING GROUP	1	
14	337440	KIT – KNIFE PUMP CAM SEAL	1	
15	328309	KIT – PUMP SEAL	1	
16	328306	KIT – KNIFE DRIVE COMPENSATOR [708]	1	
	357937	CAP – DUST	1	
17	328308	KIT – COMPENSATOR SEALS (LOAD SENSE)	2	
18	328307	KIT – SIDE DRAPER COMPENSATOR [709]	1	
	357937	CAP – DUST	2	
19	328178	RING – RETAINING INTERNAL	1	
20	322142	SEAL – SHAFT	1	
21	328261	VALVE – FLOW CONTROL (MV) [710]	1	
	252351	SEAL KIT		
22	123318	VALVE – CHECK (CV6) [711]	1	
	322148	SEAL KIT		
23	322161	VALVE – CHECK (CV1, CV2) [712]	2	
	328283	SEAL KIT		
24	322160	VALVE – PO 3WAY (DH) [713]	1	
	328269	SEAL KIT		

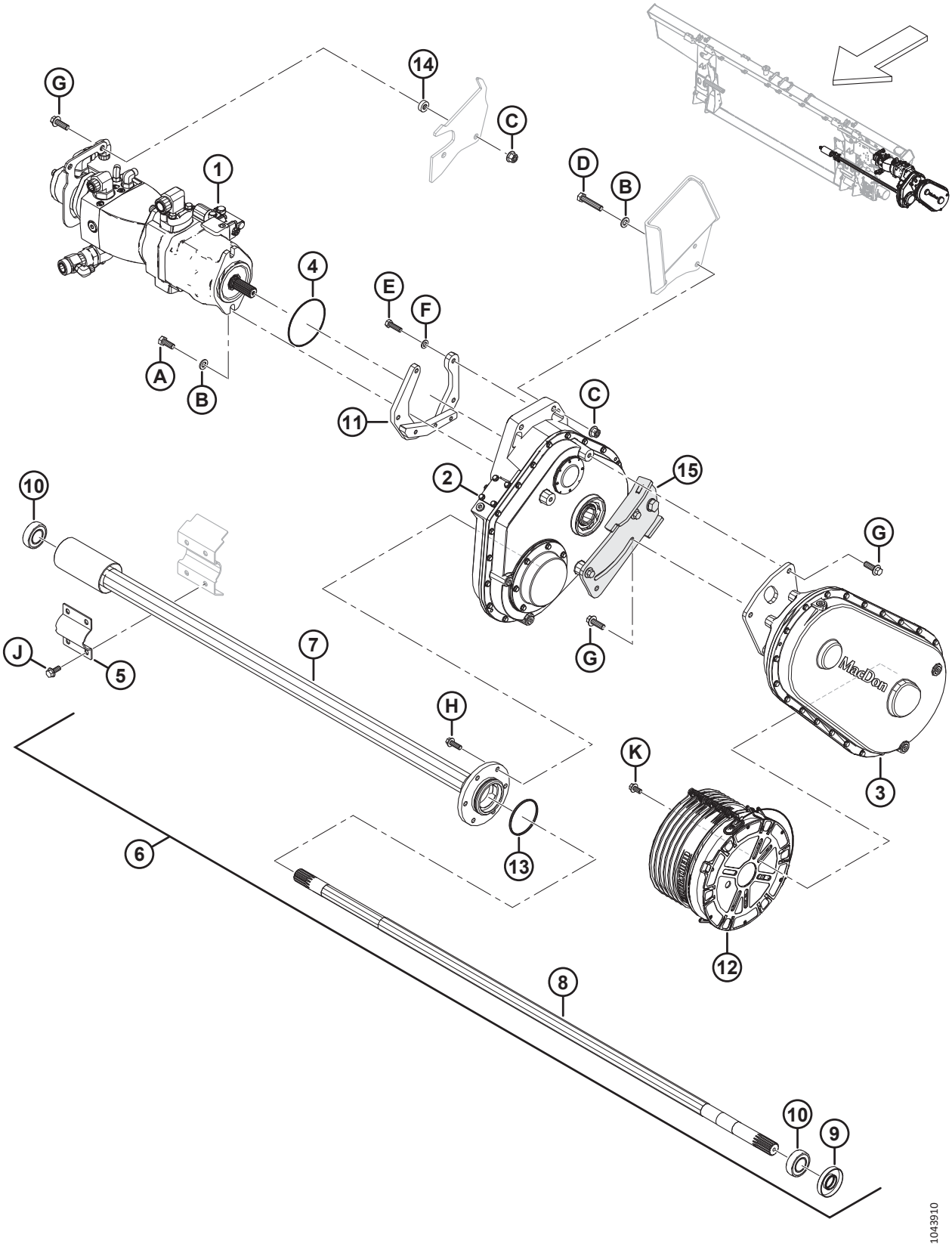
704. Refer to Section *180 Pump Assembly (Integrated Hydraulic System), page 445*.
705. 18 mm diameter; fitting does not include a captive nut.
706. 15 mm diameter; fitting does not include a captive nut.
707. Reverse and forward lines include captive nuts at each end.
708. The kit includes one compensator (NSS), four M5 bolts (NSS), and one dust cap (MD #357937).
709. The kit includes one compensator (NSS), four M5 bolts (NSS), and two dust caps (MD #357937).
710. Connects to port MV.
711. Connects to port CV6.
712. Connects to ports CV1 and CV2.
713. Connects to port DH.


14
28
22
1
2
12
24
13
9
27
25
25
15
F
4
B
A
F
5
23
5
E
8
3
18
6
16
17
17
6
7
21
D
11
10
9
26
C
20
19
A
F
1039434

Ref	Part Number	Description	Qty	Serial Number
25	322158	VALVE – PO LOGIC -10 (LE1, LE2) [714]	2	
	322148	SEAL KIT		
26	322157	VALVE – PO LOGIC ELEMENT-16 (LE3) [715]	1	
	322149	SEAL KIT		
27	337773	VALVE – RELIEF (RV2) [716]	1	
	337823	SEAL KIT		
28	337770	VALVE – RELIEF (RV1) [717]	1	
	337823	SEAL KIT		
	328262	KIT – MANUAL OVERRIDE [704]	1	
A	337433	WASHER – M10 SPECIAL		
B	337427	BOLT – SOC HD M10 X 70GR12.9		
C	337431	BOLT – SOC HD M10 X 80GR12.9		
D	337432	BOLT – SOC HD M10 X 60GR12.9		
E	337429	BOLT – SOC HD M10 X 100 GR12.9		
F	337430	BOLT – SOC HD M10 X 40GR12.9		

714. Connects to ports LE1 and LE2.
715. Connects to port LE3.
716. Connects to port RV2.
717. Connects to port RV1.

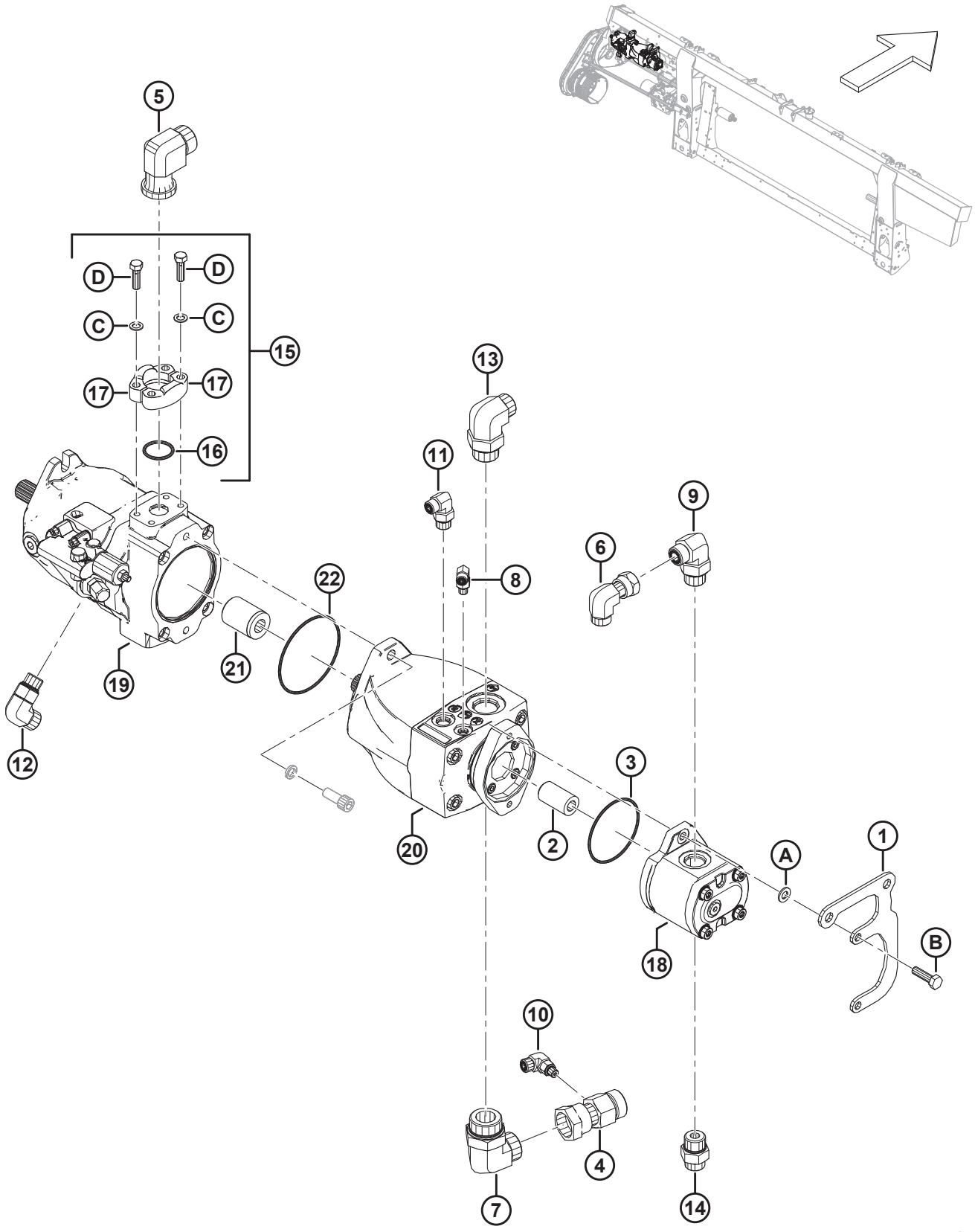
182 Pump, Gearbox, and Input Drive (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	REF	ASSY – PUMP AND GEAR (MODULAR HYDRAULIC SYSTEM) [718]	1	
2	368761	DRIVE – FLOAT MODULE MAIN [719]	1	
3	308726	DRIVE – INPUT (CNH) [720]	1	
	337713	DRIVE – INPUT (JD) [721]	1	
	347001	DRIVE – INPUT (CLAAS) [722]	1	
	308863	DRIVE – INPUT (AGCO) [723]	1	
4	328713	O-RING – 2.62 X 113.97	1	
5	347185	CLAMP – AUGER PIVOT	1	
6	308732	ASSEMBLY – FEED AUGER SHAFT [724]	1	
7	328370	TUBE – OUTPUT	1	
8	308740	SHAFT – OUTPUT	1	
9	308755	SEAL – SHAFT	1	
10	21363	BEARING – SPH OD AND COLLAR C/W 2 SEALS	2	
11	368669	SUPPORT – PUMP, WELDT	1	
12	322561	GUARD – COUNTER CONE 250 MM	1	
13	252462	O-RING – 3.18 X 82.55	1	
14	323998	TUBE – SPACER	1	
15	REF	SUPPORT – WELDT BRACE (MODULAR HYDRAULIC SYSTEM) [725]	1	
A	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		
B	184714	WASHER – FLAT REG M12-300HV		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	320559	BOLT – HEX HD M12 X 1.75 X 60-10.9-ZINC		
E	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
F	184711	WASHER – FLAT REG M10-200HV-AA1J		
G	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
K	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

718. For pump assembly, refer to Section *183 Pump Assembly (Modular Hydraulic System), page 453*.
719. For gearbox assembly, refer to Section *185 Gearbox Assembly, page 459*.
720. Used with Case and New Holland combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
721. Used with John Deere combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
722. Used with CLAAS combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
723. Used with Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines. For input drive assembly, refer to Section *186 Input Drive Assembly, page 463*.
724. The feed auger shaft assembly includes shaft seal (MD #308755), collar bearing (MD #21363), output tube (MD #328370), output shaft (MD #328202), 62 mm O.D. insert ball bearing (MD #328371), O-ring (MD #252462), and two set screws (MD #320418).
725. For gearbox brace, refer to Section *184 Gearbox Brace (Modular Hydraulic System), page 457*.

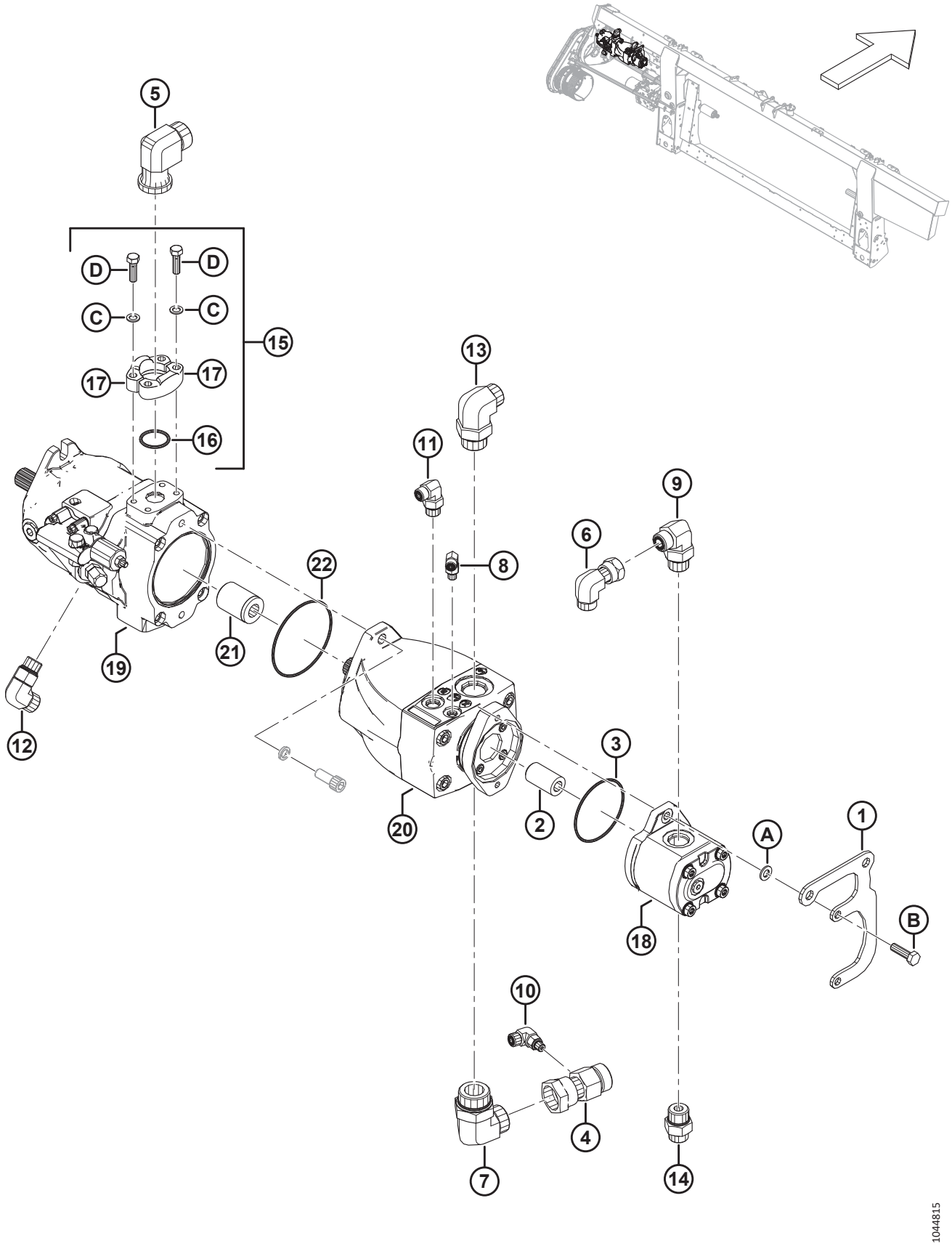
183 Pump Assembly (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	378248	BRACKET – TAIL SUPPORT	1	
2	295140	COUPLER – SPLINED, 20-11T	1	
3	136024	O-RING – 3.00 X 85.00	1	
4	252554	FITTING – TEE HYD, GAUGE PORT	1	
	135868	O-RING – 1.78 X 18.77		
5	252208	FITTING – 90° 16-16 CODE61-ORFS	1	
	112868	O-RING – 3.53 X 32.92		
	135554	O-RING – 1.78 X 23.52		
6	136846	FITTING – ELBOW 90° HYD	1	
	135867	O-RING – 1.78 X 15.60		
7	136766	FITTING – ELBOW 90° HYD	1	
	50222	O-RING – 3.00 X 37.47		
	135554	O-RING – 1.78 X 23.52		
8	136447	FITTING – ELBOW 90° HYD	1	
	50223	O-RING – 1.83 X 8.92		
	135957	O-RING – 1.78 X 7.65		
9	136347	FITTING – ELBOW 90° HYD	1	
	135867	O-RING – 1.78 X 15.60		
	30971	O-RING – 2.95 X 23.47		
10	136337	FITTING – ELBOW 90° HYD	1	
	50223	O-RING – 1.83 X 8.92		
	135865	O-RING – 1.78 X 9.25		
11	136149	FITTING – ELBOW 90°HYD	1	
	44209	O-RING – 2.21 X 16.36		
	135865	O-RING – 1.78 X 9.25		
12	136089	FITTING – ELBOW 90° HYD	1	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
13	135901	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – 2.95 X 29.74		
	135868	O-RING – 1.78 X 18.77		
14	135786	FITTING – ADAPTER	1	
	30971	O-RING – 2.95 X 23.47		
	135867	O-RING – 1.78 X 15.60		
15	112866	KIT – SPLIT FLANGE, 1 INCH CD 61 [726]	1	
16	112868	O-RING – 3.53 X 32.92	1	
17	194033	FLANGE – HALF SPLIT 1 INCH-CODE 61	2	
18	187252	GEAR PUMP – 16 CC	1	
	187967	SEAL KIT		
19	**368777**	**PUMP – PISTON, KNIFE DRIVE**	**1**	
	294890	**SEAL KIT – KNIFE DRIVE PISTON PUMP C/W INSTRUCTION**		
	326217	**CAP – DISP ADJUST C/W O-RING**		

726. The kit includes two half-split flanges (MD #194033), O-ring (MD #112868), four bolts (MD #252640), and four flat washers (MD #30191).

PUMP ASSEMBLY (MODULAR HYDRAULIC SYSTEM)

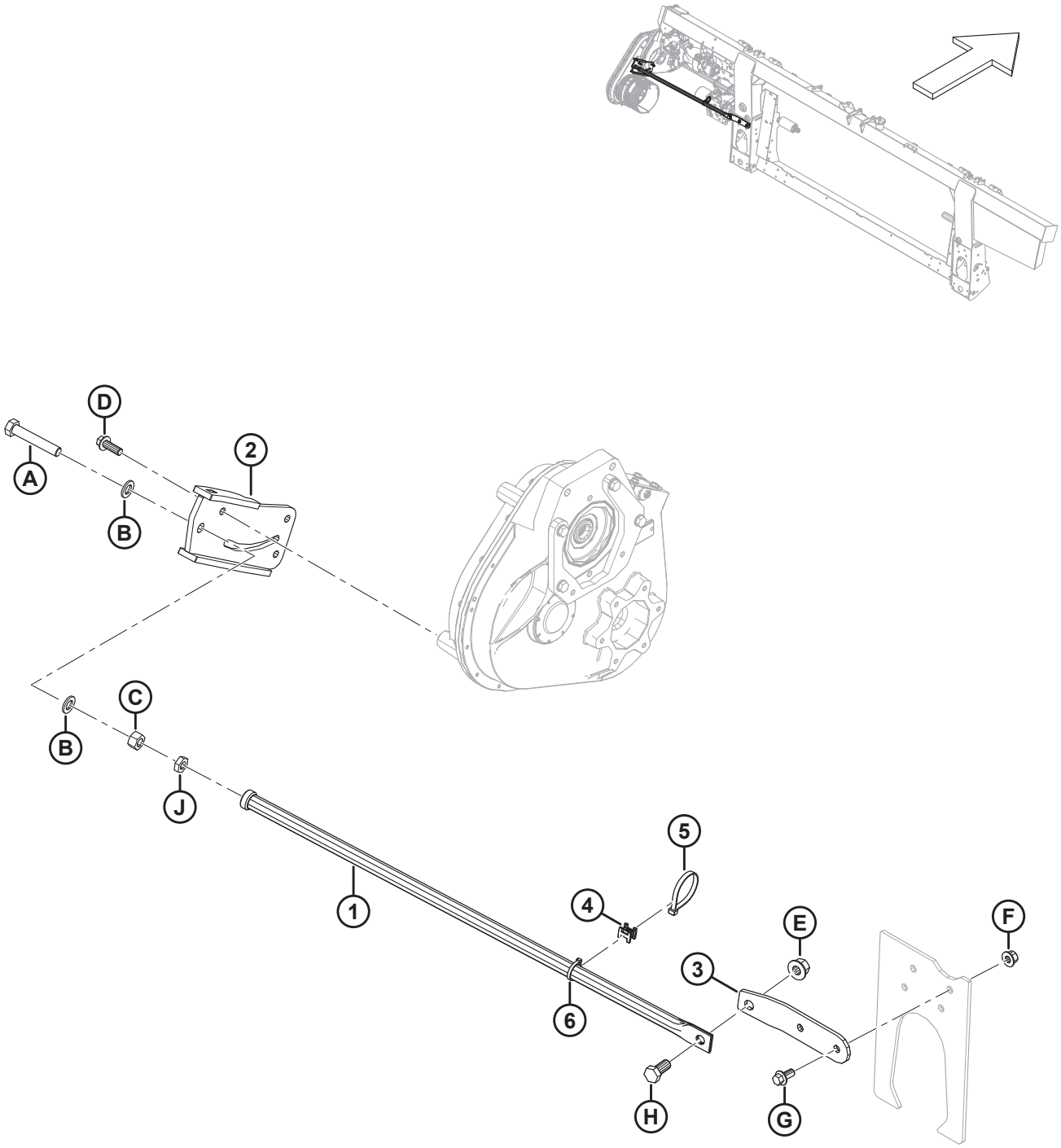


PUMP ASSEMBLY (MODULAR HYDRAULIC SYSTEM)

Ref	Part Number	Description	Qty	Serial Number
20	**311466**	**PUMP – PISTON, DRAPER**	**1**	
	335447	**VALVE – PUMP CONTROL C/W CAP** [727]		
	335446	**CAP – VINYL**		
21	**295139**	**COUPLER – SPLINED, 13-13T**	**1**	
22	**294832**	**O-RING – 3.0 X 104.0**	**1**	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
C	252640	BOLT – HEX HD 3/8-16 X 1.25-GR 8-AA3L		
D	30191	WASHER – HARDENED ASTM F436 3/8		

727. The pump control valve includes vinyl cap (MD #335446).

184 Gearbox Brace (Modular Hydraulic System)



1043929

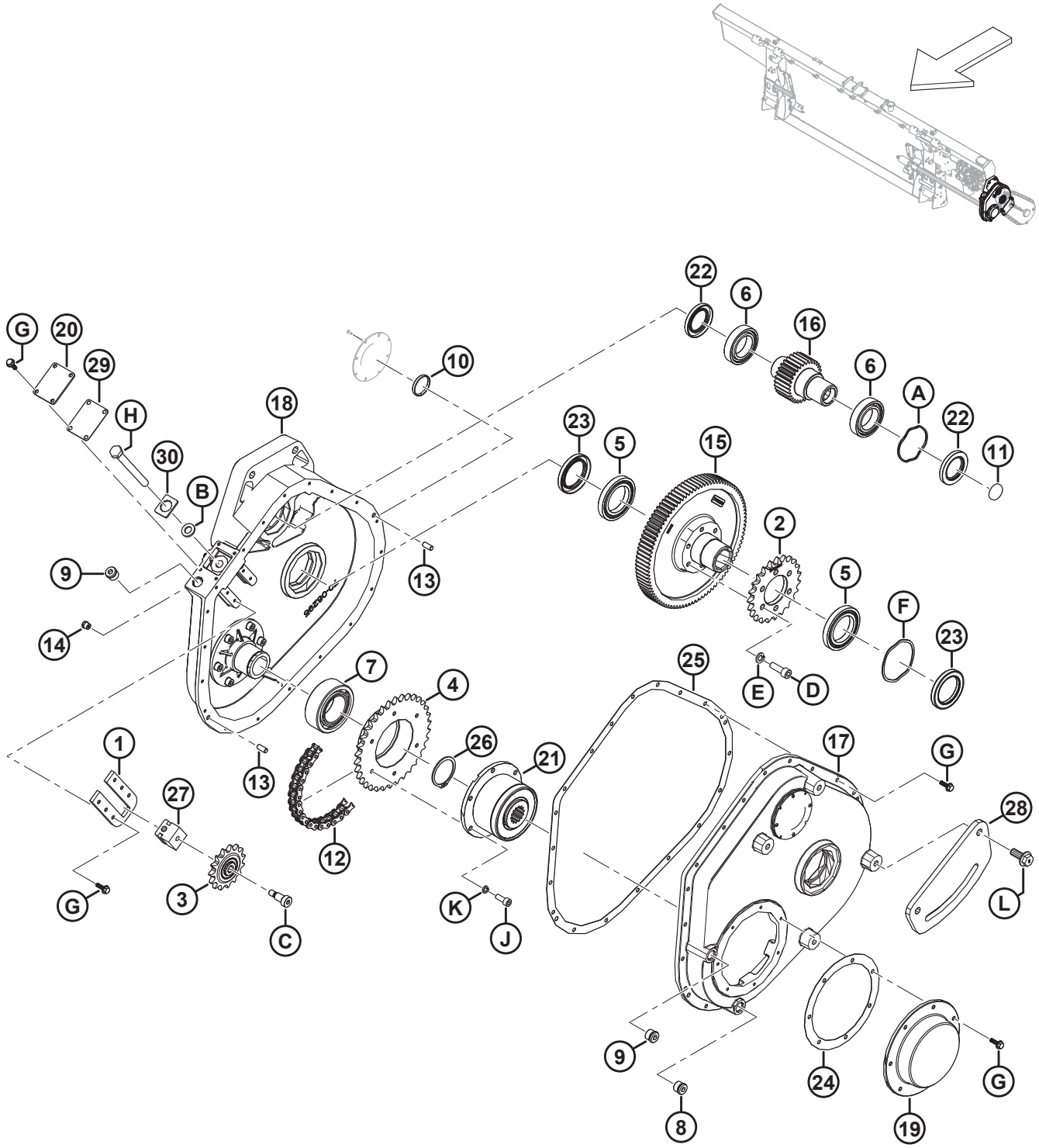
GEARBOX BRACE (MODULAR HYDRAULIC SYSTEM)

NOTE:

This brace is used only for float modules with a modular hydraulic system.

Ref	Part Number	Description	Qty	Serial Number
1	378236	SUPPORT – INPUT DRIVE, WELD'T	1	
2	368843	SUPPORT – BRACE	1	
3	368845	BRACKET – BRACE	1	
4	134442	SPACER – DUAL SWIVEL SADDLE	1	
5	30753	FASTENER – CABLE TIE, BLACK, 305 MM	1	
6	21763	FASTENER – CABLE TIE, BLACK, 160 MM	1	
A	252533	BOLT – HEX HD TFL M16 X 2 X 90-10.9-AA3L		
B	184717	WASHER – FLAT REG M16-200HV-AA1J		
C	184699	NUT – HEX M16 X 2-8-AA1J		
D	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-ZINC		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	136399	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-8.8-AA1J		
H	136137	BOLT – HEX HD TFL M16 X 2 X 35-8.8-AA1J		
J	136473	NUT – HEX THIN M16 X 2-05-AA1J		

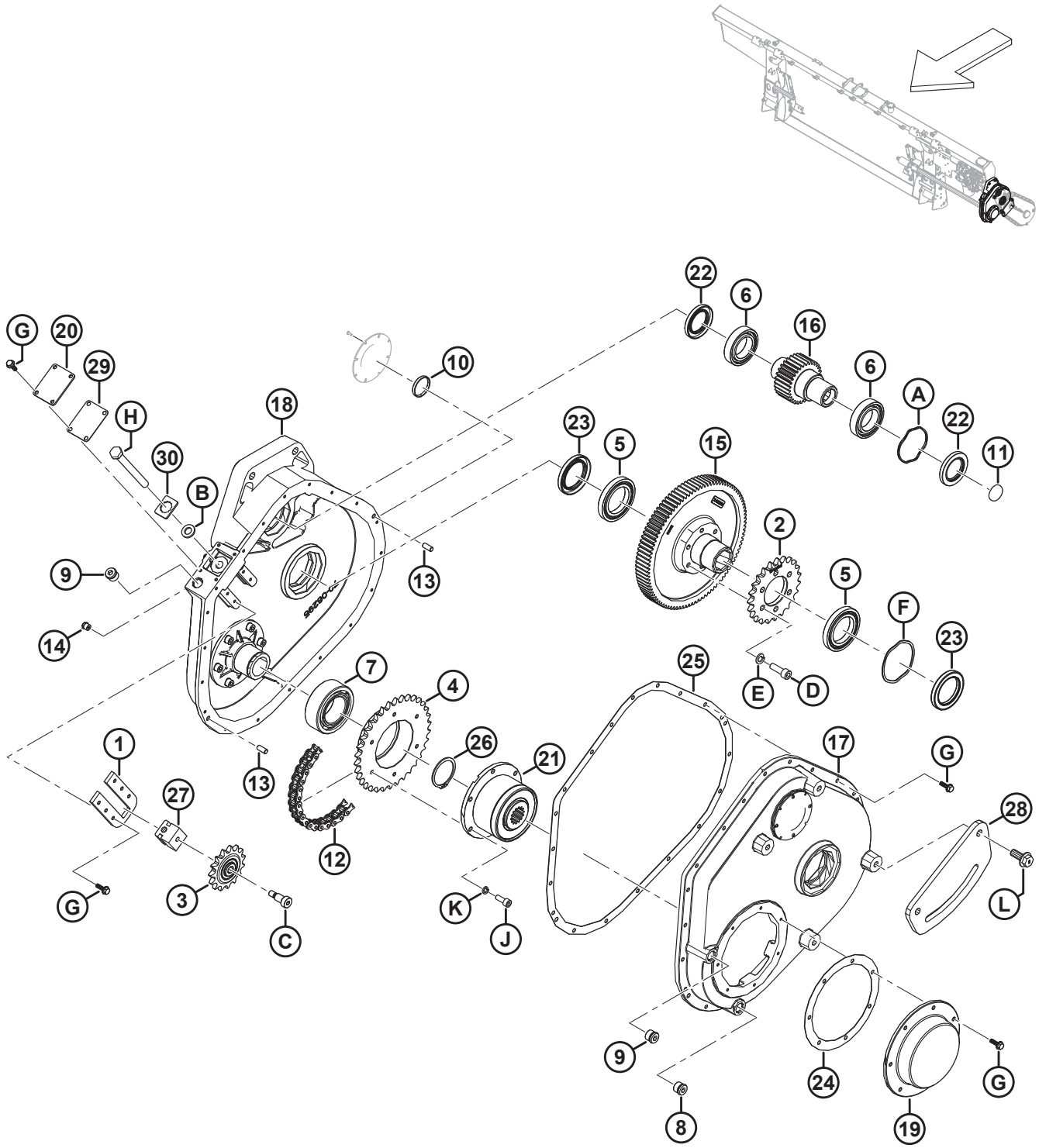
185 Gearbox Assembly



Ref	Part Number	Description	Qty	Serial Number
	347405	KIT – GEARBOX UPDATE [728]	A/R	
	368761	**DRIVE – FLOAT MODULE MAIN** [729]		
1	328181	PLATE – TENSIONER	1	
2	322409	SPROCKET – 50A23	1	
3	328188	SPROCKET – 50B15 C/W BEARING	1	
4	328187	SPROCKET – 50B34	1	
5	322193	BEARING – BALL**, 80 MM O.D.**	2	
6	322192	BEARING – BALL**, 68 MM O.D.**	2	
7	322197	BEARING – **BALL DOUBLE ROW, 90 MM O.D.**	1	
8	328154	PLUG – M18 ORB MAGNETIC	1	
9	328152	PLUG – M18 ORB	1	
10	328186	PLUG	1	
11	328185	PLUG	1	
12	301971	CHAIN – ROLLER, RC-50-56P ENDLESS	1	
13	NSS	PIN – DOWEL	2	
14	328176	BREATHER – 1/8-27 NPT	1	
15	328175	GEAR – 94 TEETH	1	
16	328174	GEAR – 30 TEETH	1	
17	NSS	HOUSING – GEARBOX	1	
18	NSS	HOUSING – GEARBOX	1	
19	328164	COVER – CLUTCH	1	
20	328165	COVER – TENSIONER	1	
21	314082	CLUTCH – WEASLER	1	
22	347416	SEAL – VITON 38 X 62 X 7	2	
23	347417	SEAL – VITON 48 X 72 X 8	2	
24	328161	GASKET – CLUTCH COVER	1	
25	**378075**	**GASKET – FM200 MAIN GEARBOX**	**1**	
26	322195	RING – RETAINING	1	
27	328157	BLOCK – IDLER	1	
28	347349	BRACKET – MAIN CMPLTN JOINT **(INTEGRATED HYDRAULIC SYSTEM ONLY)** [730]	1	
29	328162	GASKET – TENSIONER	1	
30	368863	PLATE – GEARBOX BOLT	1	
A	328160	WASHER – WAVE SPRING		
B	184587	WASHER – FLAT 1/2 X 1.25 AA1J		
C	328184	BOLT – SHOULDER 3/8-16 X 3/4 LG		

728. The gearbox update kit is used to update model year 2020 gearboxes. The kit includes one spacer (MD #347408), one spacer (MD #347409), one gasket (MD #378075), two seals (MD #347416), two seals (MD #347417), two wave spring washers (MD #328159, MD #328160), two gears (MD #328174, MD #328175), two ball bearings (MD #322192), two ball bearings (MD #322193), one sprocket (MD #322409), six screws (MD #135401), six washers (MD #30632), and instructions.
729. The gearbox assembly includes all listed parts and hardware.
730. This bracket is used only for float modules with an integrated hydraulic system.

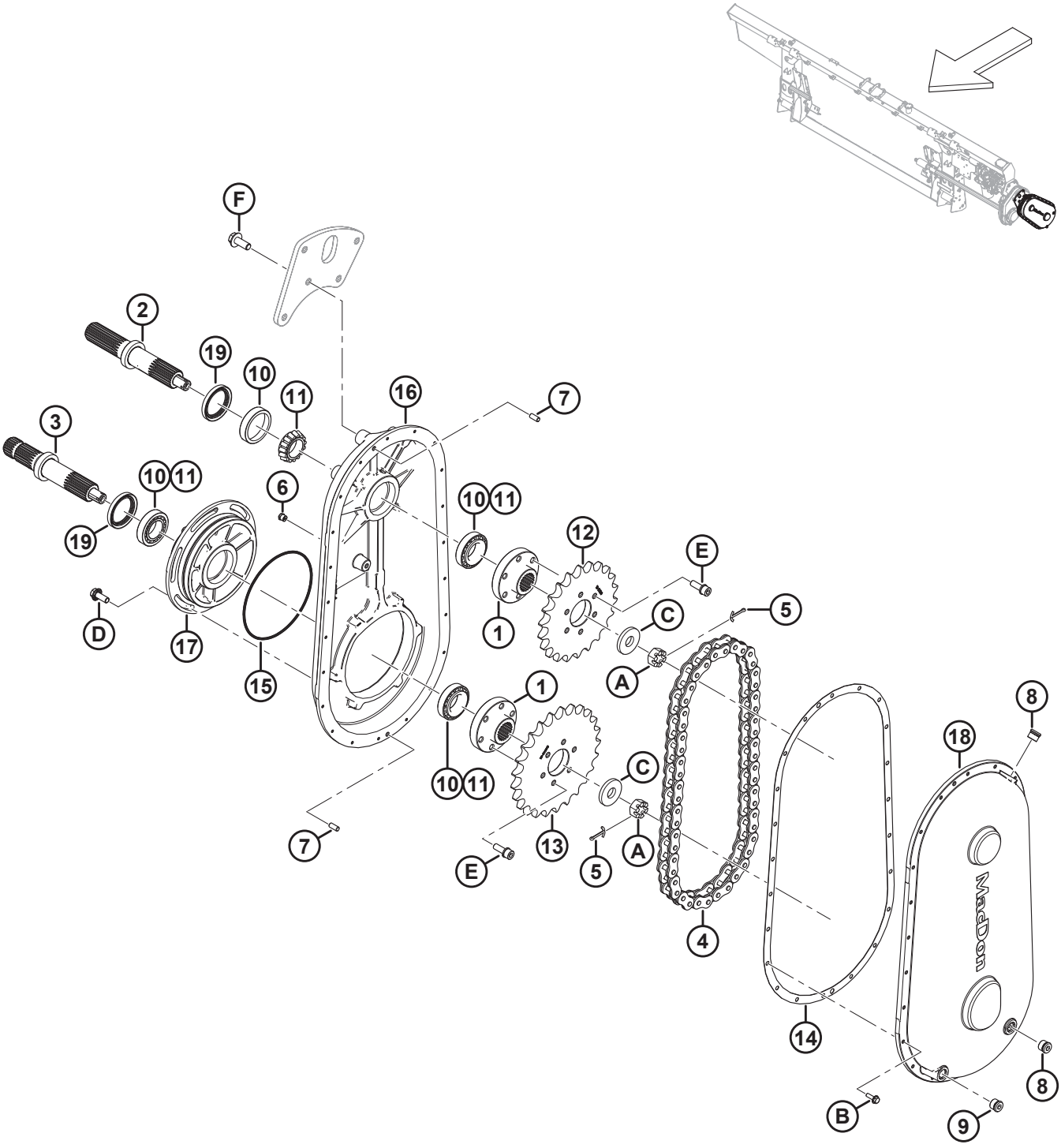
GEARBOX ASSEMBLY



Ref	Part Number	Description	Qty	Serial Number
D	347978	SCREW – CAP M10 X 1.5 X 30		
	135401	SCREW – HEX SOC HD TFL M10 X 1.5 X 30-8.8-AA1J [731]		
E	347975	WASHER – LOCK M10 CAP SCREW		
	30632	WASHER – LOCK SPRING M10 [731]		
F	328159	WASHER – WAVE SPRING		
G	328156	BOLT – SERRATED FLANGE		
H	328158	BOLT – TENSIONER		
J	347977	SCREW – CAP M8 X 1 X 20		
K	347976	WASHER – LOCK M8 CAP SCREW		
L	**152731**	**BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-ZINC**		

731. For machines serviced with gearbox update kit (MD #347405).

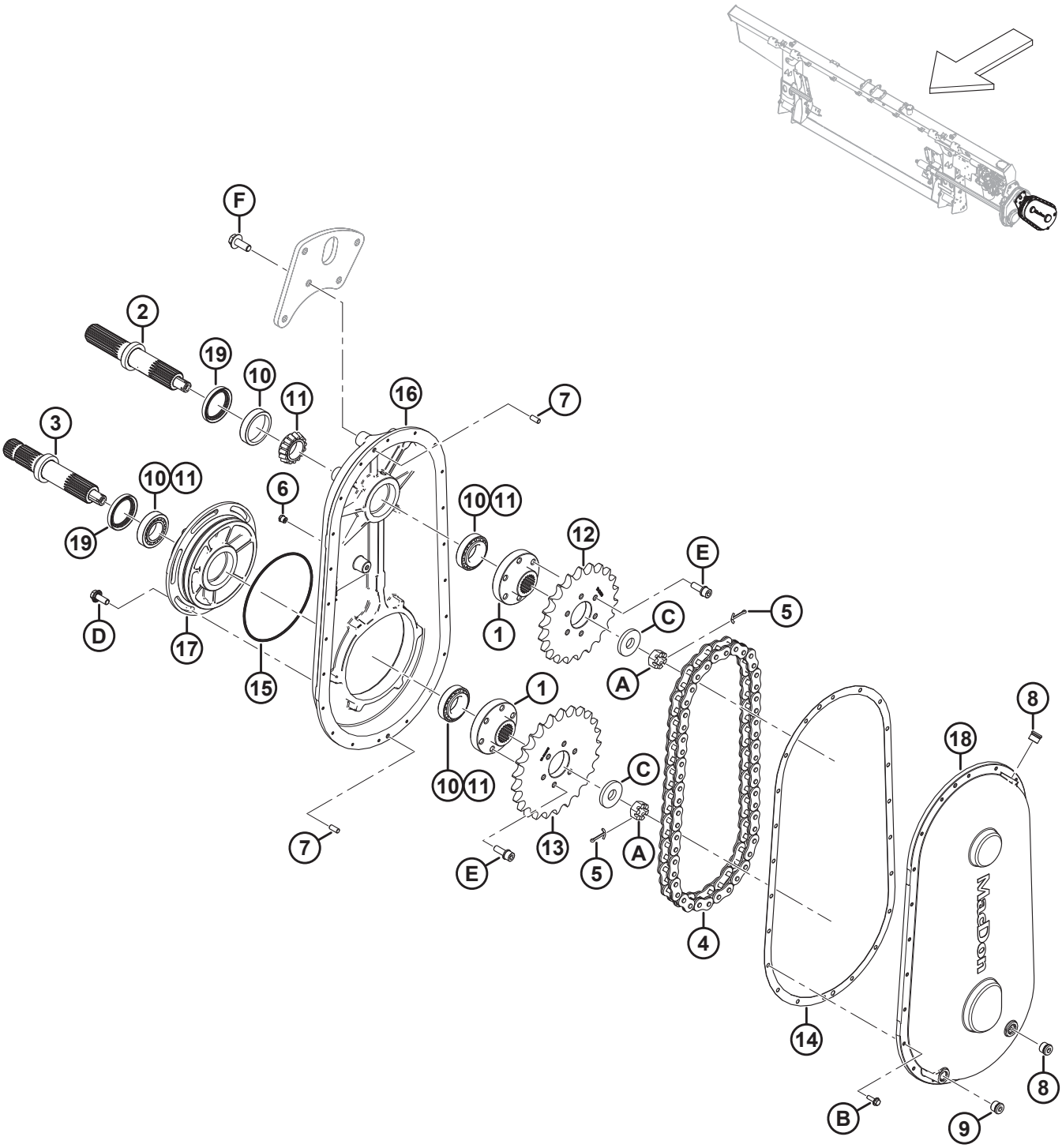
186 Input Drive Assembly



Ref	Part Number	Description	Qty	Serial Number
	B7041	KIT – CNH INPUT DRIVE SPROCKETS [732]		
	B7042	KIT – JD INPUT DRIVE SPROCKETS [733]		
	B7308	KIT – CLAAS INPUT DRIVE SPROCKETS [734]		
	B7111	KIT – AGCO IDEAL DRIVE INPUT SPRCKT [735]		
	308726	DRIVE – INPUT (CNH) [736]		
	337713	DRIVE – INPUT (JD) [737]		
	347001	DRIVE – INPUT (CLAAS) [738]		
	308863	DRIVE – INPUT (AGCO) [739]		
1	328203	HUB – SPLINED	2	
2	328202	SHAFT – OUTPUT	1	
3	328201	SHAFT – INPUT	1	
4	328120	CHAIN – RC80 50 PT ENDLESS	1	
5	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
6	328176	BREATHER – 1/8-27 NPT	1	
7	NSS	PIN – DOWEL	2	
8	328152	PLUG – M18 ORB	2	
9	328154	PLUG – M18 ORB MAGNETIC	1	
10	30701	BEARING – CUP	4	
11	30702	BEARING – CONE	4	
12	308852	SPROCKET – 80A22 (CNH) [736]	1	
	337667	SPROCKET – 80A21 (JD) [737]	1	
	308848	SPROCKET – 80A25 (CLAAS) [738]	1	
	308856	SPROCKET – 80A23 (AGCO) [739]	1	
13	308848	SPROCKET – 80A25 (CNH) [736]	1	
	308853	SPROCKET – 80A27 (JD) [737]	1	
	337667	SPROCKET – 80A21 (CLAAS) [738]	1	
	308855	SPROCKET – 80A24 (AGCO) [739]	1	
14	328200	GASKET – DRIVE	1	
15	328199	O-RING – #260	1	
16	328198	HOUSING – GEARBOX	1	
17	328197	HOUSING – ECCENTRIC	1	

732. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308848, MD #308852), and instructions. Kits are available through Whole Goods only.
733. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308853, MD #337667), and instructions. Kits are available through Whole Goods only.
734. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308848, MD #337667), and instructions. Kits are available through Whole Goods only.
735. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308855, MD #308856), and instructions. Kits are available through Whole Goods only.
736. Used with Case and New Holland combines.
737. Used with John Deere combines.
738. Used with CLAAS combines.
739. Used with Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines.

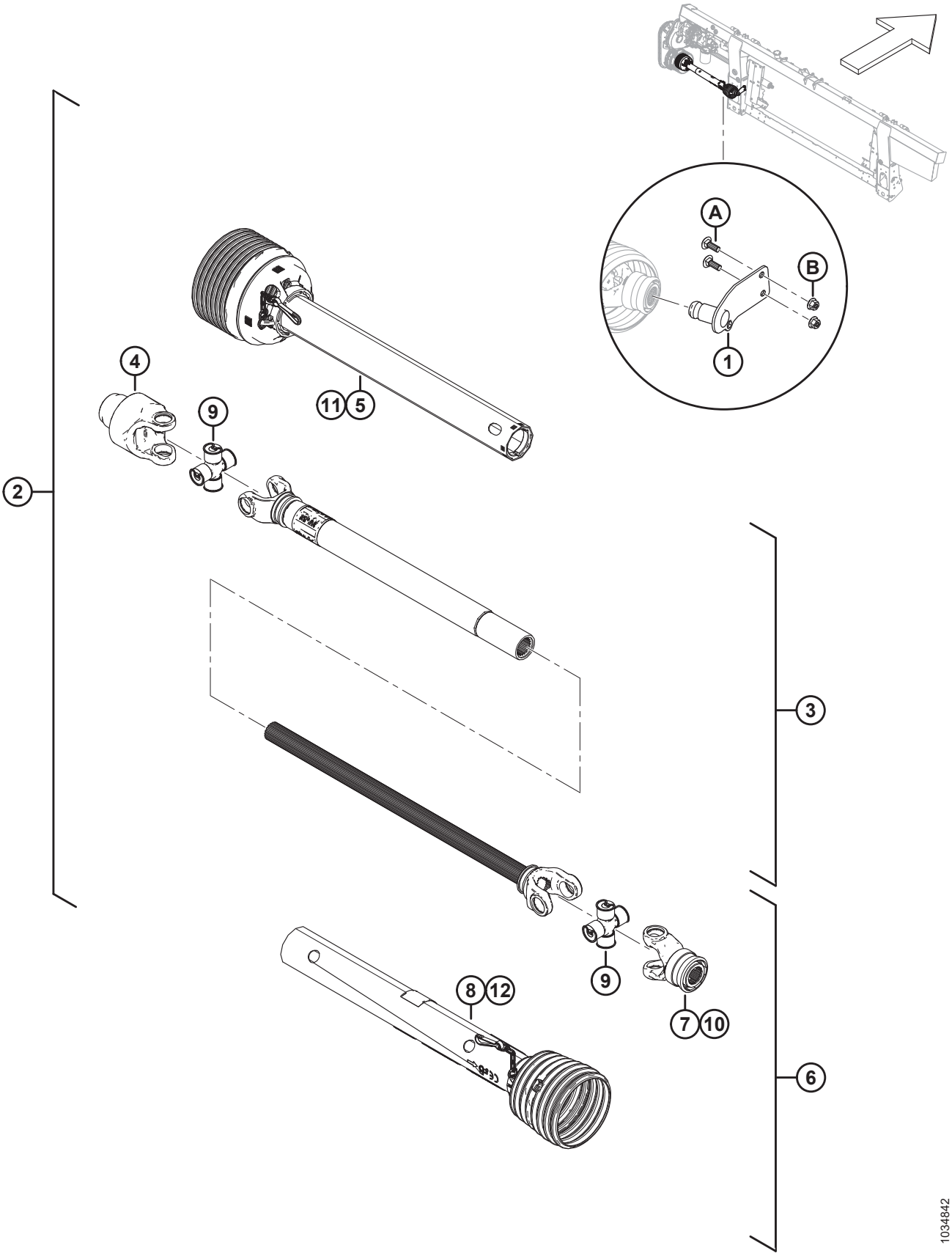
INPUT DRIVE ASSEMBLY



INPUT DRIVE ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
18	328196	COVER – GEARBOX	1	
19	187477	SEAL	2	
A	5512	NUT – HEX SLOTTED .750-16 UNF ZN PL		
B	328156	BOLT – SERRATED FLANGE		
C	6647	WASHER – FLAT		
D	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
E	328183	BOLT – M10 X 1.25 X 30 SEMS		
F	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		

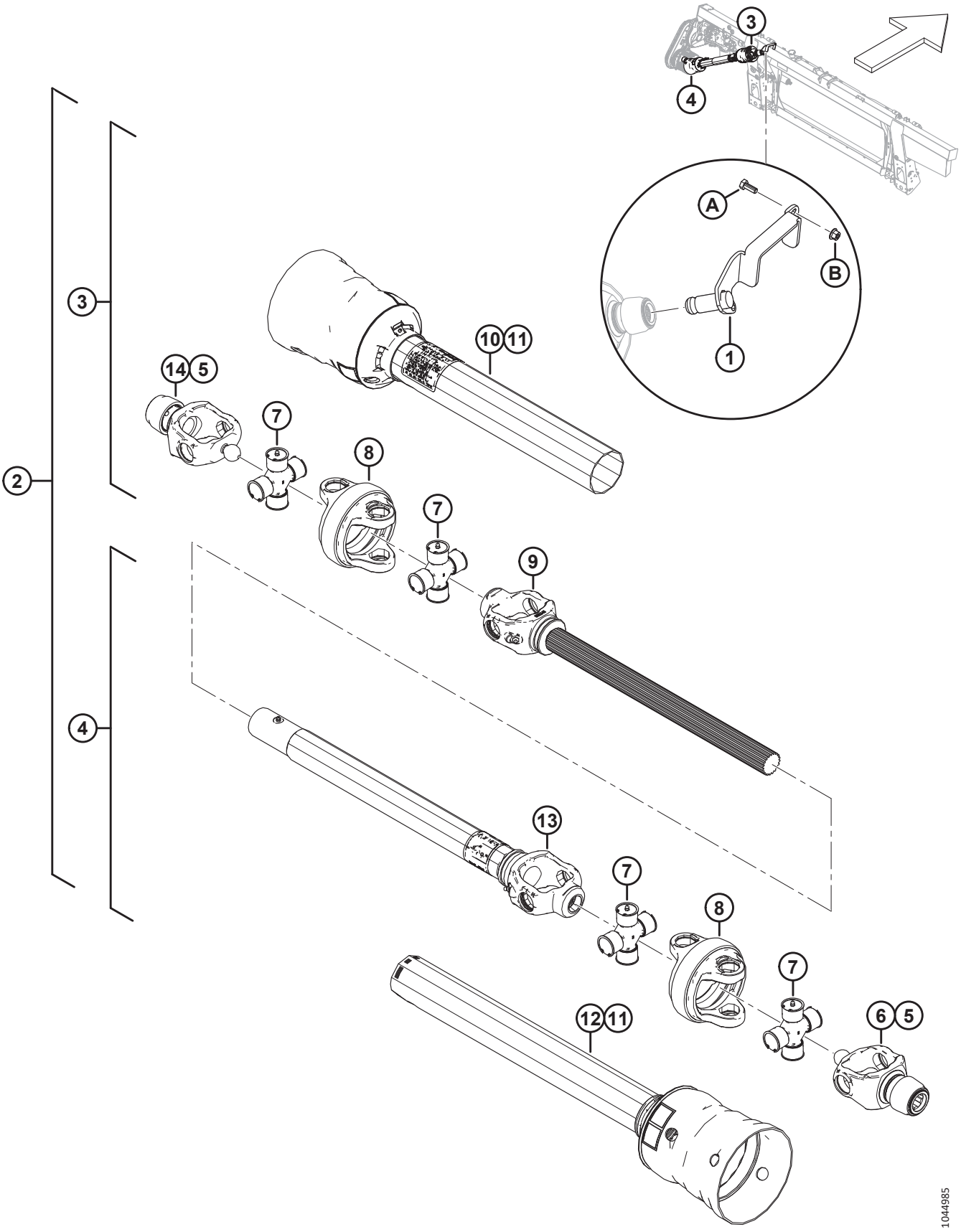
187 Input Driveline and Support



Ref	Part Number	Description	Qty	Serial Number
	B7038	KIT – 6 TOOTH SPLINE CE DRIVELINE [740]	1	
	B7039	KIT – 21 TOOTH SPLINE CE DRIVELINE [741]	1	
	B7108	KIT – 20T DRIVESHAFT BUNDLE [742]	1	
1	322486	SUPPORT WELDT – 6T PTO STORAGE [743]	1	
	322456	SUPPORT WELDT – 21T PTO STORAGE [744]	1	
	328924	SUPPORT WELDT – 20T STORAGE [745]	1	
2	314173	DRIVELINE – 6T SPLINE [746]	1	
	314174	DRIVELINE – 1.375 IN 21T SPLINE CE [747]	1	
	322114	DRIVELINE – 1 3/4 20T-SPLINE [748]	1	
3	322915	DRIVELINE – IMPLEMENT HALF	1	
4	133631	YOKE – FREE MOTION	1	
5	322916	DRIVELINE – IMPLEMENT GUARD	1	
6	322926	DRIVELINE – 6T COMBINE HALF [743]	1	
	322924	DRIVELINE – 21T COMBINE HALF [744]	1	
	322930	DRIVELINE – 20T COMBINE HALF [745]	1	
7	133634	YOKE – 6T [743]	1	
	322925	YOKE – 21T [744]	1	
	322931	YOKE – 20T [745]	1	
8	322917	DRIVELINE – COMBINE END GUARD	1	
9	142777	CROSS JOURNAL KIT	2	
10	40095	KIT – REPAIR	1	
	150891	KIT – SLIDE LOCK YOKE REPAIR [745]	1	
11	322918	INNER GUARD REPAIR KIT [749]	1	
12	220766	SHIELD REPAIR KIT CE [749]	1	
	36651	DECAL – DANGER		
	194521	DECAL – WARNING		
	30316	DECAL – DANGER		
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

740. 6-tooth splined driveline kit for Case and New Holland combines. Kits are available through Whole Goods only.
741. 21-tooth splined driveline kit for Case, New Holland, John Deere, CLAAS, Challenger®, Massey Ferguson®, and Gleaner® combines. Kits are available through Whole Goods only.
742. 20-tooth splined driveline kit for IDEAL™ Series combines. Kits are available through Whole Goods only.
743. For 6-tooth spline driveline.
744. For 21-tooth spline driveline.
745. For 20-tooth spline driveline.
746. 6-tooth splined driveline kit for Case and New Holland combines.
747. 21-tooth splined driveline kit for Case, New Holland, John Deere, CLAAS, Challenger®, Massey Ferguson®, and Gleaner® combines.
748. 20-tooth splined driveline kit for IDEAL™ Series combines.
749. The kit includes chain kit, bearing, lock seal, and instructions.

188 Input Driveline and Support – High Angle



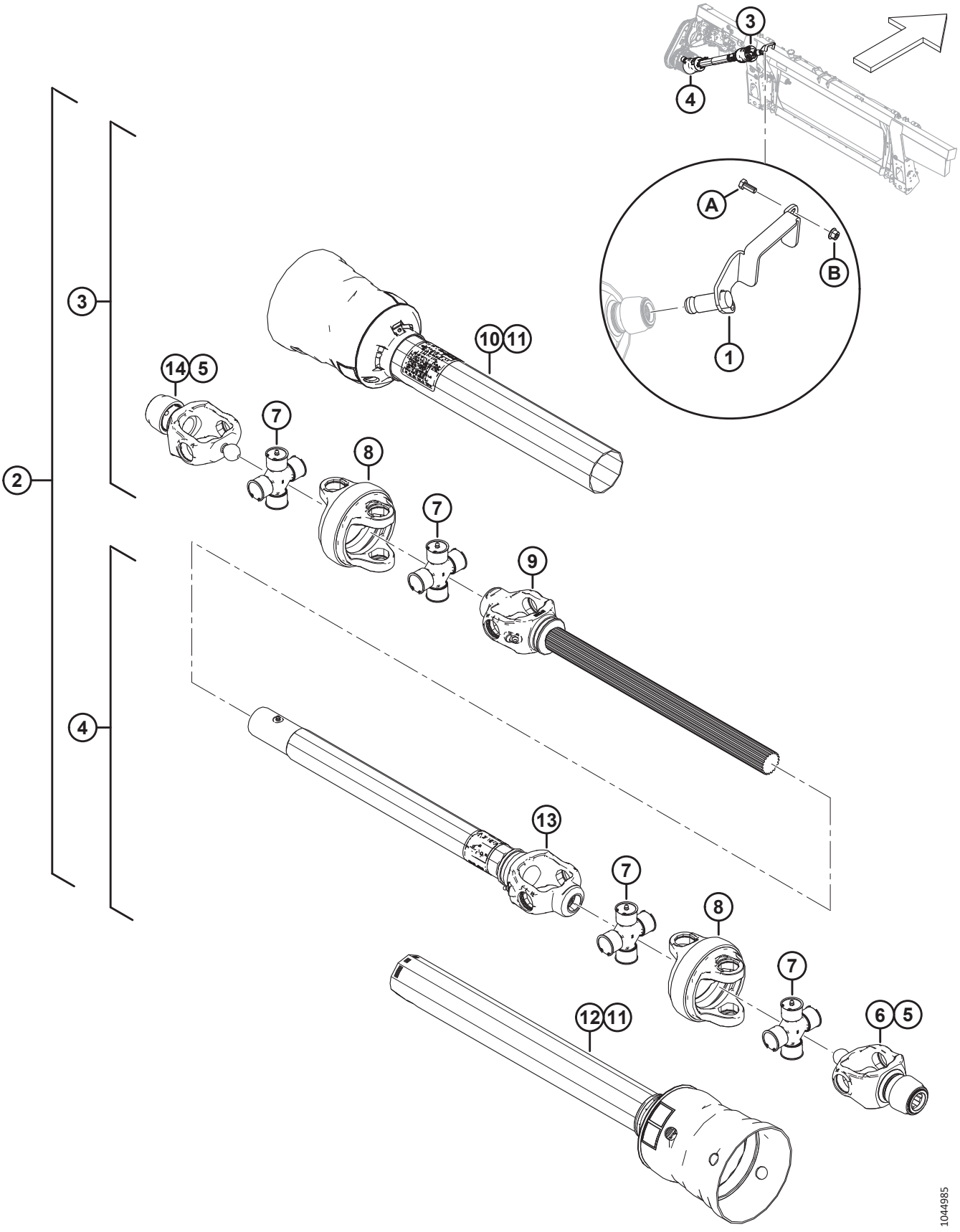
NOTE:

The half-drivelines listed under item #3 are for the combine end of the driveline, and the half-drivelines listed under item #4 are for the header / float module end of the driveline.

Ref	Part Number	Description	Qty	Serial Number
	B7180	KIT – 6T LONG HI-ANGLE DRIVESHAFT [750]		
	B7181	KIT – 21T LONG HI-ANGLE DRIVESHAFT [751]		
	B7182	KIT – 21T SHORT HI-ANGLE DRIVESHAFT [752]		
	B7326	KIT – 21T MID HI-ANGLE DRIVESHAFT [753]		
1	357064	SUPPORT WELDT – 6T PTO STORAGE [754]	1	
	357012	SUPPORT WELDT – 21T PTO STORAGE [755]	1	
2	322996	DRIVELINE – 6T HIGH ANGLE	1	
	322997	DRIVELINE – 21T HIGH ANGLE LONG	1	
	322998	DRIVELINE – 21T HIGH ANGLE SHORT	1	
3	337709	DRIVELINE – 6T SHAFT HALF, GUARDED **(COMBINE END)** [754]	1	
	337707	DRIVELINE – 21T SHAFT HALF, GUARDED **(COMBINE END)** [756]	1	
	337725	DRIVELINE – 21T SHAFT HALF, GUARDED **(COMBINE END)** [757]	1	
4	337723	DRIVELINE – 21T TUBE HALF, GUARDED **(HEADER / FLOAT MODULE END)** [758]	1	
	337727	DRIVELINE – 21T TUBE HALF, GUARDED **(HEADER / FLOAT MODULE END)** [759]	1	
5	133632	KIT – AUTO LOK REPAIR	2	
6	337711	YOKE – 21T CV	1	
7	337712	CROSS KIT	4	
8	337715	HOUSING CV	2	
9	337716	DRIVELINE – CV YOKE AND SHAFT [760]	1	
	337729	DRIVELINE – CV YOKE AND SHAFT [757]	1	
10	337717	DRIVELINE – OUTER GUARD [760]	1	
	337730	DRIVELINE – OUTER GUARD [757]	1	
11	337718	DRIVELINE – GUARD REPAIR KIT	2	

750. Long 6-tooth splined driveline kit for Case and New Holland wide and narrow combines, Sidehill (18%) and Hillside (27%) configurations. Kits are available through Whole Goods only.
751. Long 21-tooth splined driveline kit for Case and New Holland wide and narrow combines, Sidehill (18%) and Hillside (27%) configurations; and for John Deere combines, Hillside (27%) configuration. Kits are available through Whole Goods only.
752. Short 21-tooth splined driveline kit for John Deere and CLAAS combines, Sidehill (18%) configuration. Kits are available through Whole Goods only.
753. Mid 21-tooth splined driveline kit for Case and New Holland wide and narrow combines with Everest package, and Case and New Holland Hillco Hillside Beaterless (27%) package, and John Deere Hillside (27%) package. Kits are available through Whole Goods only.
754. For long 6-tooth spline drivelines.
755. For 21-tooth spline drivelines.
756. For mid and long 21-tooth spline drivelines.
757. For short 21-tooth spline drivelines.
758. For long 6-tooth and long 21-tooth spline drivelines.
759. For short and mid 21-tooth spline drivelines.
760. For long 6-tooth, and mid and long 21-tooth spline drivelines.

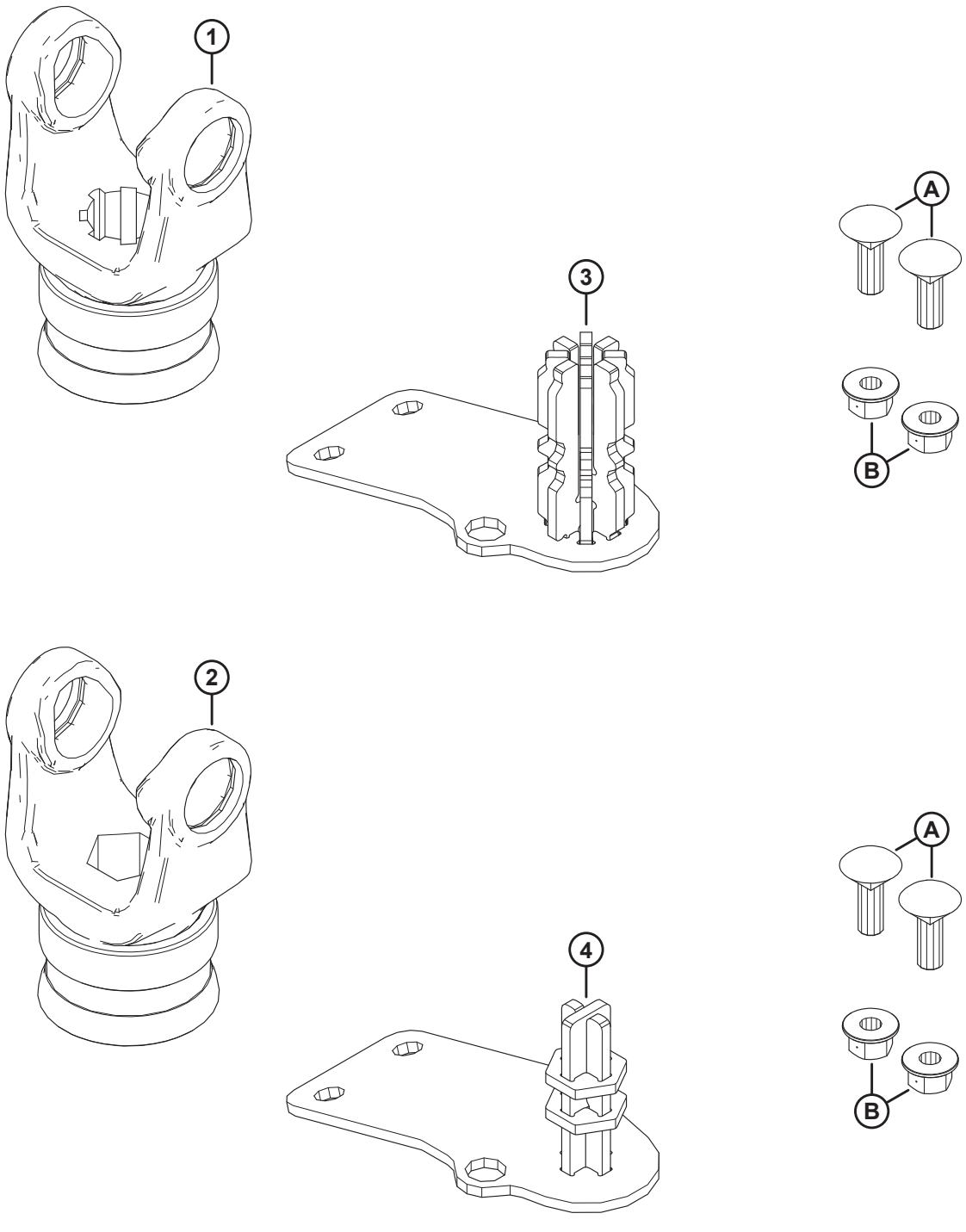
INPUT DRIVELINE AND SUPPORT – HIGH ANGLE



INPUT DRIVELINE AND SUPPORT – HIGH ANGLE

Ref	Part Number	Description	Qty	Serial Number
12	337720	DRIVELINE – INNER GUARD [758]	1	
	337731	DRIVELINE – INNER GUARD [759]	1	
13	337721	DRIVELINE – YOKE TUBE AND SLEEVE [758]	1	
	337732	DRIVELINE – YOKE TUBE AND SLEEVE [759]	1	
14	337722	6T YOKE CV [754]	1	
	337711	21T YOKE CV [755]	1	
	30316	DECAL – DANGER		
	36651	DECAL – DANGER		
A	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

189 Input Driveline Conversion Kits



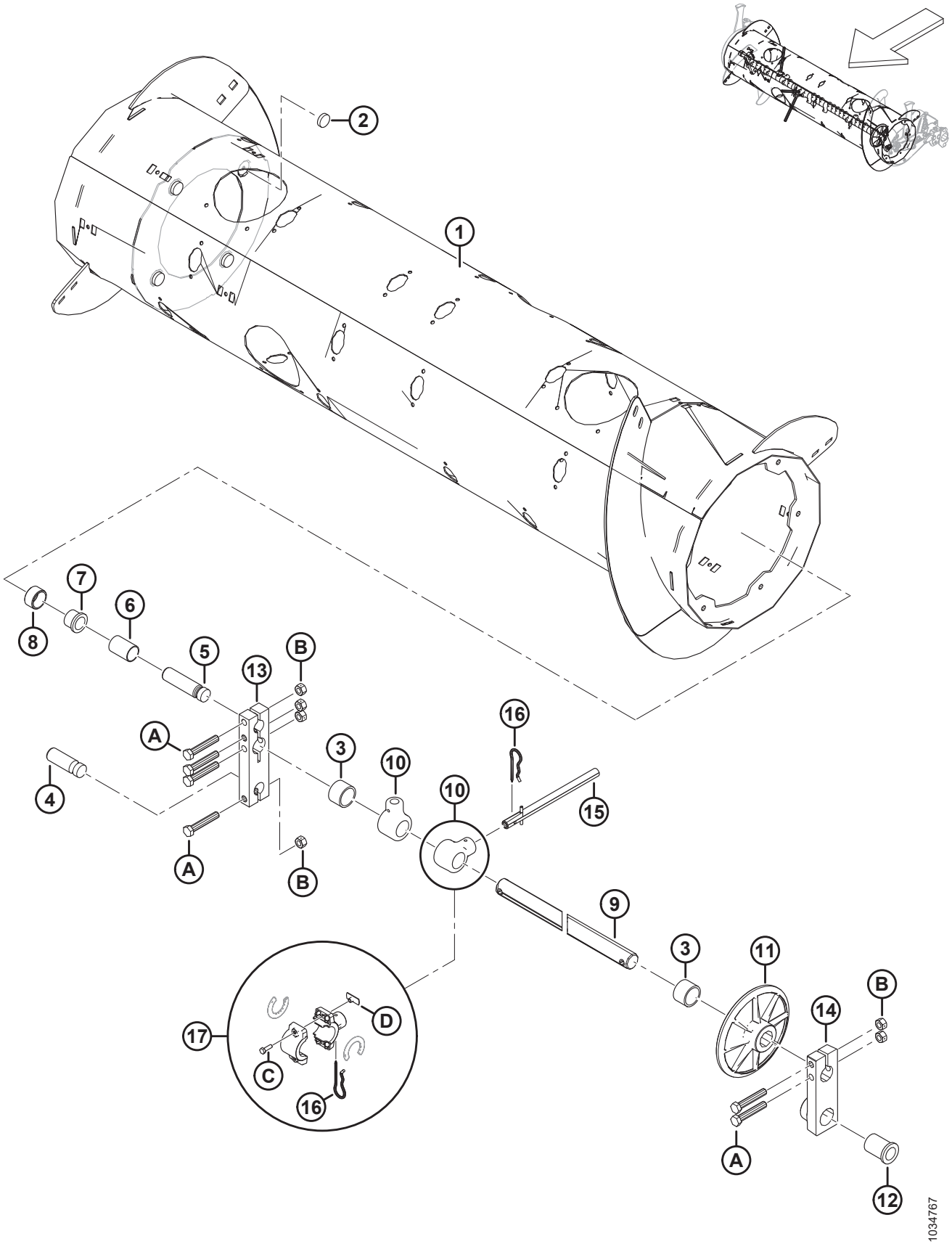
1039521

INPUT DRIVELINE CONVERSION KITS

Ref	Part Number	Description	Qty	Serial Number
	B7312	KIT – 8T DRIVESHAFT FM200 CONV [761]		
	B7317	KIT – HEX DRIVESHAFT FM200 CONV [761]		
1	314657	YOKE – 8T [762]	1	
2	133641	YOKE – HEX [763]	1	
3	337117	STORAGE WELDT – 8T [762]	1	
4	347722	STORAGE WELDT – HEX [763]	1	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

761. Kits are available through Whole Goods only.
762. Included in 8-tooth spline driveshaft conversion kit (B7312).
763. Included in hex driveshaft conversion kit (B7317).

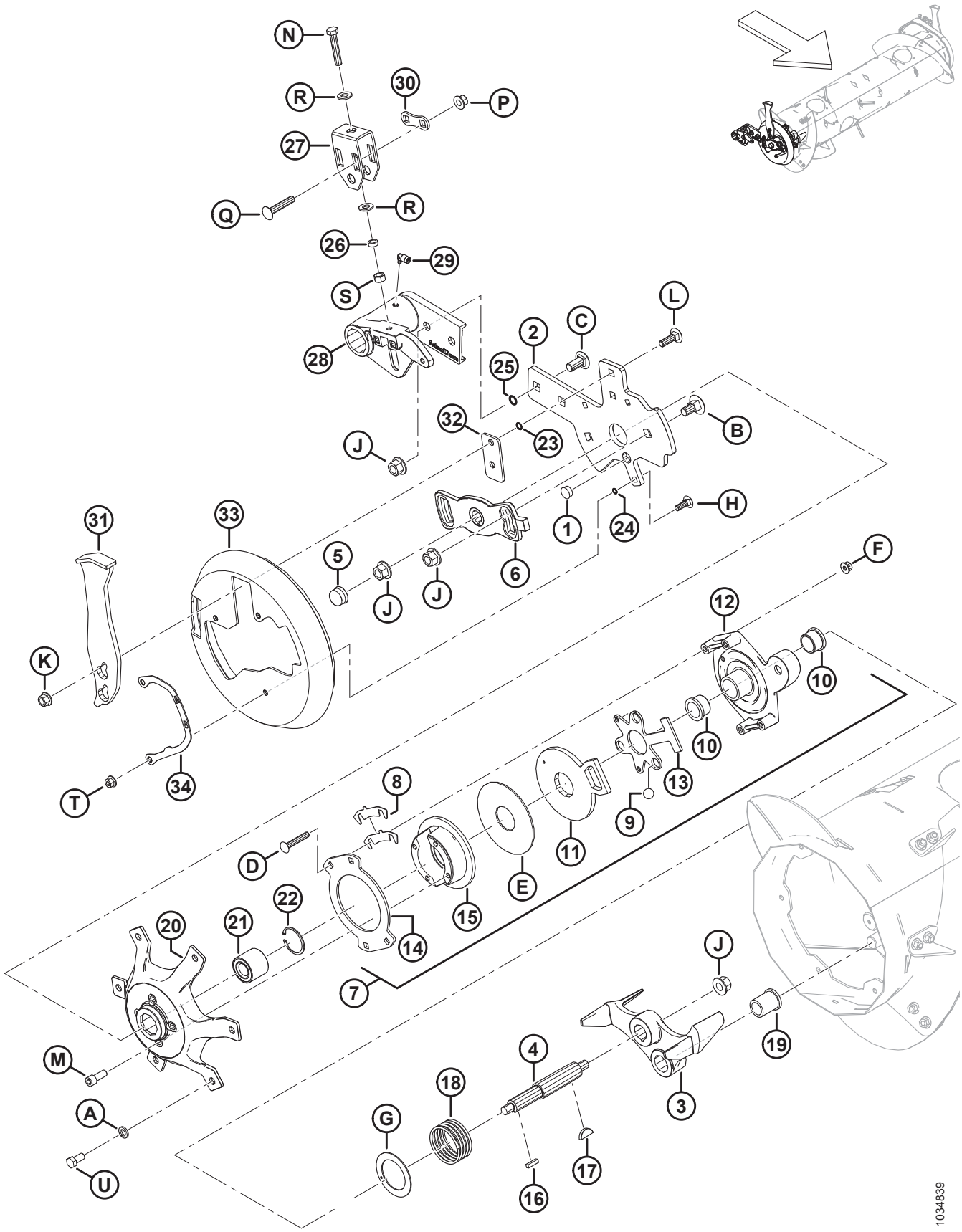
190 Auger Drum and Internal Components



Ref	Part Number	Description	Qty	Serial Number
	378551	**ASSEMBLY – FEED AUGER** [764]		
1	322397	DRUM – WELDMENT	1	
2	328420	MAGNET – ROUND	4	
3	322770	SPACER TUBE – PLASTIC	2	
4	314062	PIN – PIVOT	1	
5	213660	PIN – PIVOT	1	
6	213657	SPACER	1	
7	133877	BUSHING – PLASTIC FLANGED 1.0 IN.	1	
8	213656	ROLLER	1	
9	308536	SHAFT – FINGER	1	
10	337206	HOLDER – AUGER FINGER	30	
11	248117	WHEEL, GUIDE – FINGERSHAFT	1	
12	248145	BUSHING – FLANGE	1	
13	213608	BLOCK – AUGER SHAFT	1	
14	248538	CASTING – PIVOT BLK, LH, MACH	1	
15	337152	KIT – FINGER [765]	22	
	7642	PIN – SPRING 3/16 DIA X 1.5 LG	A/R	
16	123180	PIN – HAIR	22	
17	276839	KIT – FINGER HOLDER SPLIT 5X (BAG OF 5) [766]	A/R	
A	184675	BOLT – HEX HD M12 X 1.75 X 70-8.8-AA1J		
B	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
C	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
D	197263	NUT – TEE M6 X 1		

764. The complete feed auger assembly includes all listed parts in Section *190 Auger Drum and Internal Components, page 475*, Section *191 Auger Assembly – Right Arm, page 477*, and Section *192 Auger Assembly – Left Arm, page 481*.
765. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.
766. The split finger holder kit is used to simplify field replacement of broken one-piece solid finger holders (MD #337206). The kit includes 5 split auger finger holders (NSS), 10 holder spacers (NSS), 5 hair pins (MD #123180), 10 tee nuts (MD #197263), and 10 bolts (MD #252703).

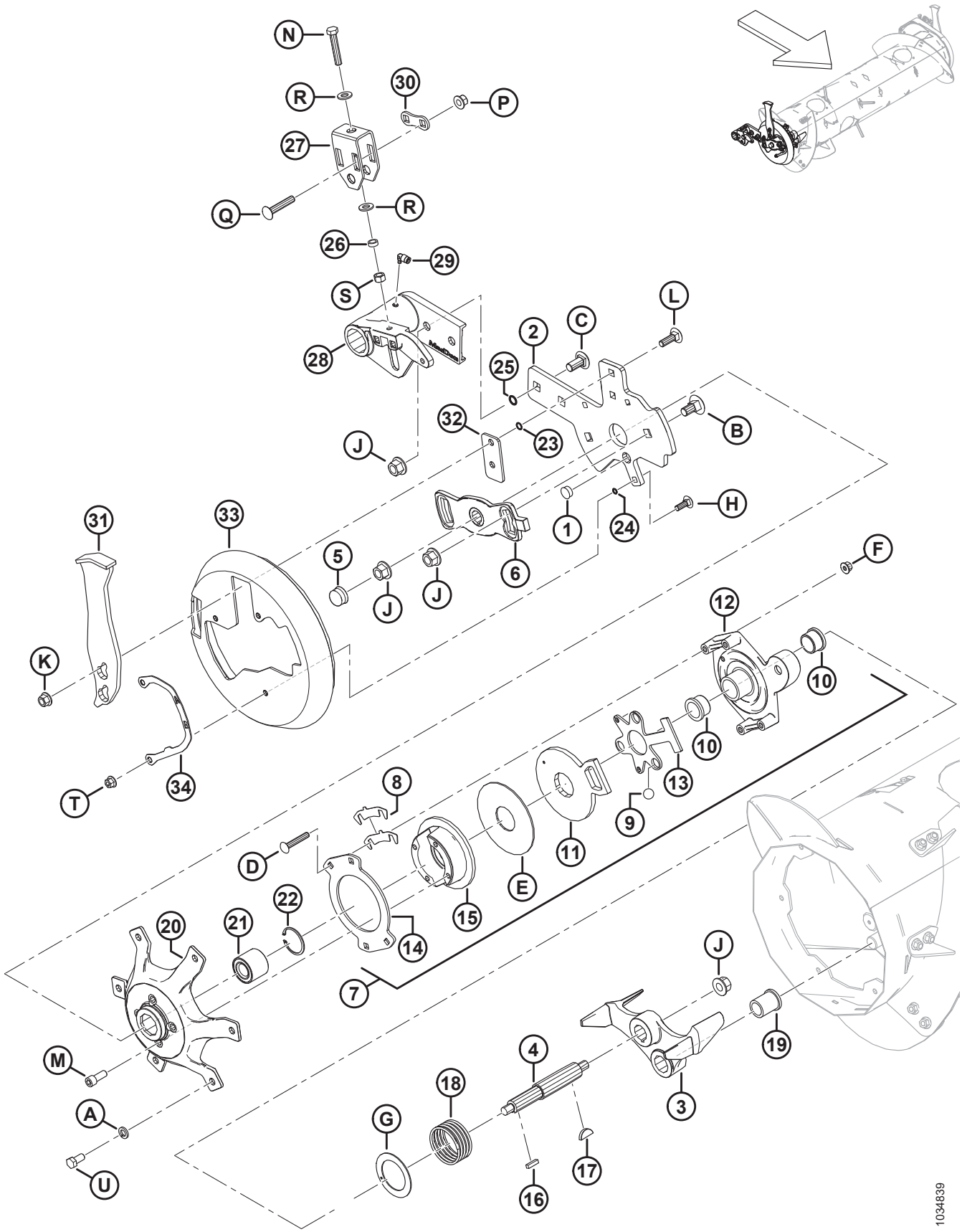
191 Auger Assembly – Right Arm



AUGER ASSEMBLY – RIGHT ARM

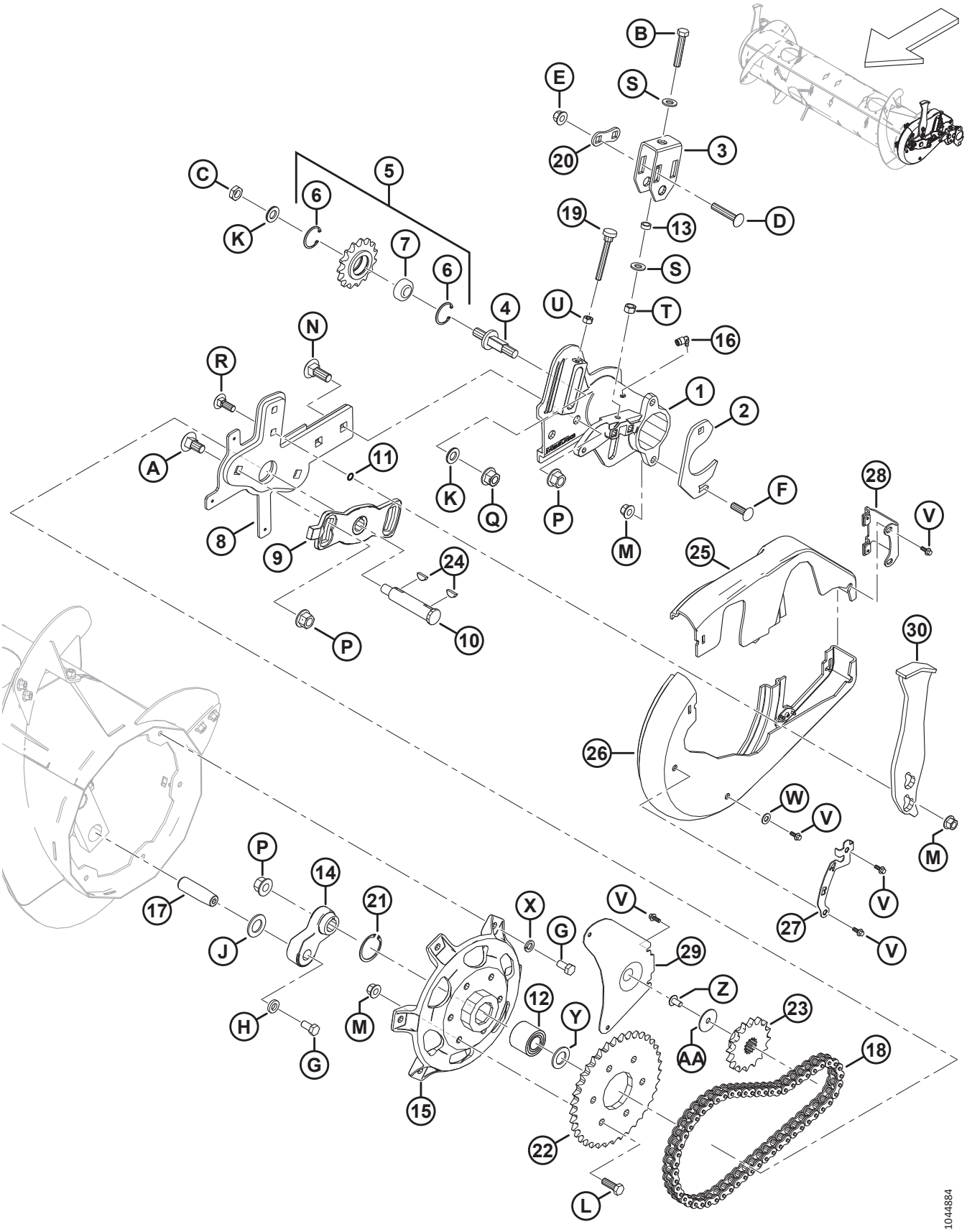
Ref	Part Number	Description	Qty	Serial Number
1	308859	PLUG – HOLE	1	
2	308850	BAR – RH AUGER SUPPORT	1	
3	304520	CASTING – STOP, MACHINING	1	
4	304514	SHAFT – AUGER	1	
5	276140	CAP – PLASTIC	1	
6	213851	CASTING – TIMING PLATE, MACH	1	
7	213802	ASSEMBLY – REVERSING CLUTCH [767]	1	
8	276206	SHIM CLUTCH	4	
9	248285	BALL	3	
10	213859	BUSHING – PLASTIC 1.25 X 1.5 X 1.0	2	
11	213801	ARM, CLUTCH ACTIVATOR – MACH	1	
12	213649	CAST, CLUTCH HOUSING – MACH	1	
13	337124	PLATE – BALL CAGE	1	
14	213554	DISC – CLUTCH	1	
15	213552	DISC, BRAKE – MACHINING	1	
16	213750	KEY, RECT – 6.35 MM SQ 25.5 MM LG	1	
17	213654	KEY – WOODRUFF 1/4 X 1-1/4	1	
18	213679	SPRING – COMPRESSION	1	
19	213659	BUSHING – FLANGE	1	
20	213546	HUB MACHINING RH	1	
21	337284	BEARING – DOUBLE ROW BALL, 52MM OD	1	
22	21235	RING – INT RETAINING	1	
23	183508	O-RING – 1.78 X 10.82	2	
24	183506	O-RING – 1.78 X 7.65	3	
25	50083	O-RING – Ø2.62 X Ø13.94	2	
26	314169	SPACER	1	
27	314136	BRACKET – ADJUSTER	1	
28	308538	PIVOT – RH AUGER, MACHINING	1	
29	301427	FITTING – QUICK DC, 90 DEG	1	
30	187428	SPACER	1	
31	308648	BUMPER – WELDMENT	1	
32	308056	PLATE – SPACER	1	
33	301994	COVER – AUGER END CAP RH	1	
34	276180	PLATE – INDICATOR RH	1	
A	18638	WASHER – REG. LOCK 1/2 IN. NOM. ID AA1J		
B	252691	BOLT – RHSN M16 X 2 X 35-10.9-AA1J		
C	252638	BOLT – RHSSN M16 X 2 X 35-8.8-AA1J		
D	252701	BOLT – RHSSN TFL M10 X 1.5 X 60-8.8-AA1J		
E	213731	WASHER – PLASTIC		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	213733	WASHER – THRUST		
H	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		

767. The reversing clutch assembly includes parts #8–15 and hardware (MD #252701, MD #213731, and MD #135799).


N
R
30
P
27
Q
R
26
29
S
28
L
2
C
25
32
23
B
J
1
24
H
31
33
5
J
J
6
F
12
K
10
10
T
34
8
13
9
D
11
E
22
21
20
15
14
7
J
M
4
19
A
18
3
G
17
U
16
1034839

Ref	Part Number	Description	Qty	Serial Number
J	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
K	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
L	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
M	50154	SCREW – HEX SOC HD TFL M12 X 1.75 X 30-8.8-AA1J		
N	252541	BOLT – HEX HD TFL M12 X 1.75 X 65-8.8-AA3L		
P	252188	NUT – HEX FLG CTR LK M12 X 1.5-10-AA1J		
Q	252187	BOLT – RHSSN M12 X 1.5 X 65-10.9-AA1J		
R	135369	WASHER – HARDENED ASTM F436 1/2		
S	135156	NUT – HEX M12 X 1.75-10-AA1J		
T	136441	NUT – HEX SER FLG M10 X 1.5-8-AA1J		
U	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		

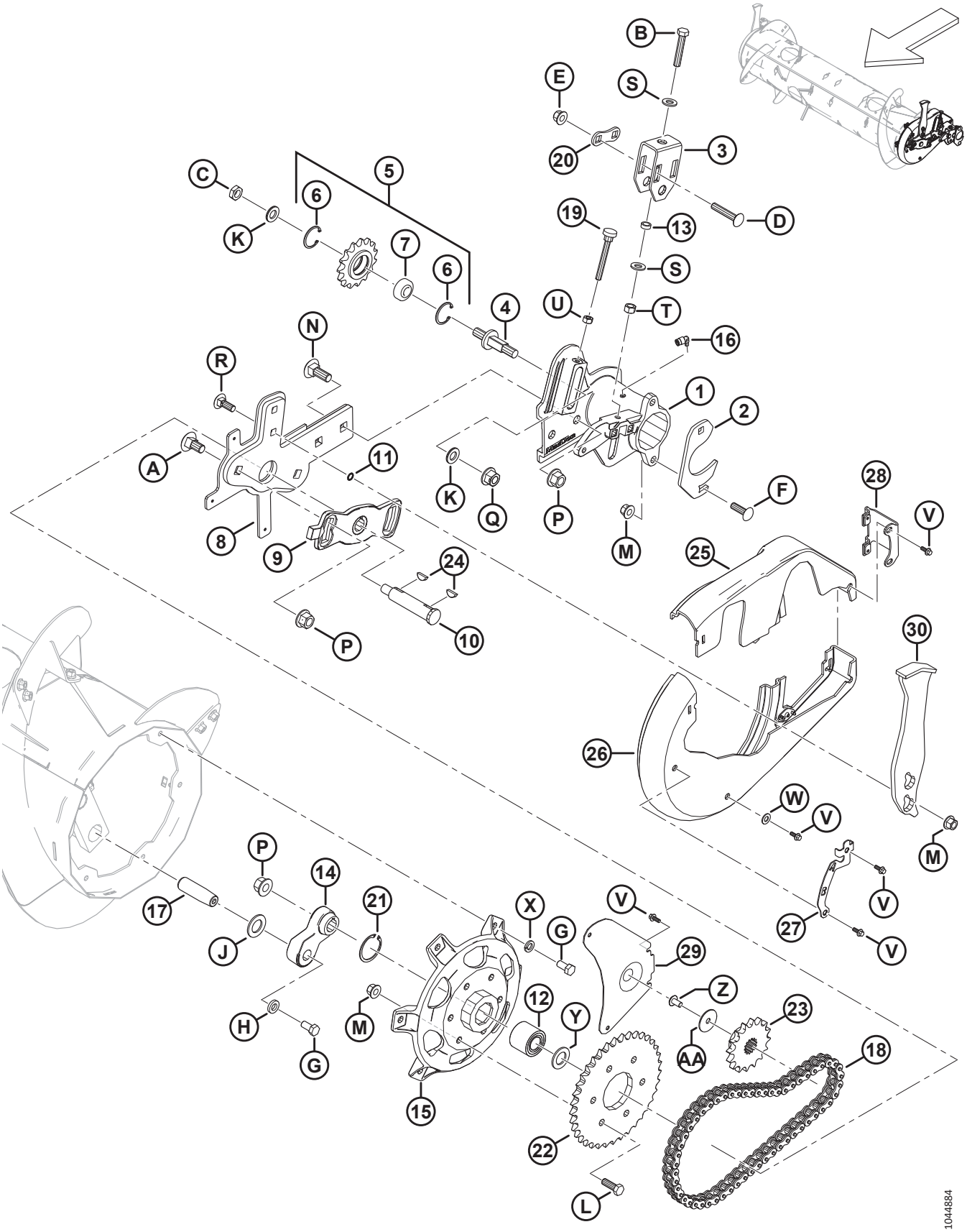
192 Auger Assembly – Left Arm



Ref	Part Number	Description	Qty	Serial Number
1	322377	PIVOT – LH AUGER, MACHINING	1	
2	248388	CLAMP – PLATE	1	
3	314136	BRACKET – ADJUSTER	1	
4	213420	SPINDLE – THREADED ADJUSTMENT	1	
5	9333	ASSEMBLY – SPROCKET [768]	1	
6	795	RING – RETAINING	2	
7	9213	BEARING – BALL	1	
8	304931	ARM – LH AUGER SUPPORT WELDT	1	
9	213851	CASTING – TIMING PLATE, MACH	1	
10	301441	SHAFT – AUGER	1	
11	183508	O-RING – 1.78 X 10.82	2	
12	337284	BEARING – BALL DBL ROW 52 MM O.D. [769]	1	
	337804	KIT – LH RTD HUB WITH BEARING [770]	A/R	
13	314169	SPACER	1	
14	304521	ARM – FINGER SHAFT CRANK MACH	1	
15	337276	HUB – MACHINING [769]	1	
	337804	KIT – LH RTD HUB WITH BEARING [770]	A/R	
16	301427	FITTING – QUICK DC, 90 DEG	1	
17	248144	PIN – PIVOT	1	
18	220317	CHAIN – RC-60H, 56 PITCHES RIVETED, ENDLESS	1	
19	213857	THUMBSCREW – M10 X 80	1	
20	187428	SPACER	1	
21	21235	RING – INT. RETAINING (2021 AND LATER) [769]	1	
	181649	RING – RETAINING INTERNAL (2020 AND PRIOR) [771]	A/R	
22	151793	SPROCKET – RC 60 A 37 T	1	
23	151691	SPROCKET – RC 60 B 16 T	1	
24	135290	KEY – WOODRUFF (1/4 X 7/8 NOM.)	2	
25	**368658**	**ASSY – FA DRIVE COVER SMALL HALF**	**1**	**521190–**
	378538	**KIT – FEED AUGER DRIVE COVER** [772]	**A/R**	**–521189**
26	**368657**	**ASSY – FA DRIVE COVER LARGE HALF**	**1**	**521190–**
	378538	**KIT – FEED AUGER DRIVE COVER** [772]	**A/R**	**–521189**
27	276183	PLATE – INDICATOR LH	1	
28	**368649**	**RETAINER – COVER WELDT**	**1**	**521190–**
	378538	**KIT – FEED AUGER DRIVE COVER** [772]	**A/R**	**–521189**
29	**368637**	**PANEL – FA DR ACCESS**	1	**521190–**
	378538	**KIT – FEED AUGER DRIVE COVER** [772]	**A/R**	**–521189**
30	308648	BUMPER – WELDMENT	1	

768. The sprocket assembly includes one sprocket (NSS), one ball bearing (MD #9213), and two retaining rings (MD #795).
769. For model year 2021 and later.
770. Kit is used to service machines made prior to model year 2021. The kit includes one hub (MD #337276), one bearing (MD #337284), one retaining ring (MD #21235), one flat washer (MD #123406), and instructions.
771. Retaining ring (MD #181649) is used to service machines made prior to model year 2021.
772. The Feed Auger Drive Cover kit is used to service feed augers made in model year 2024 and prior. The kit includes one panel (MD #368637), one retainer (MD #368649), one large half drive cover (MD #368657), and one small half drive cover (MD #368658).

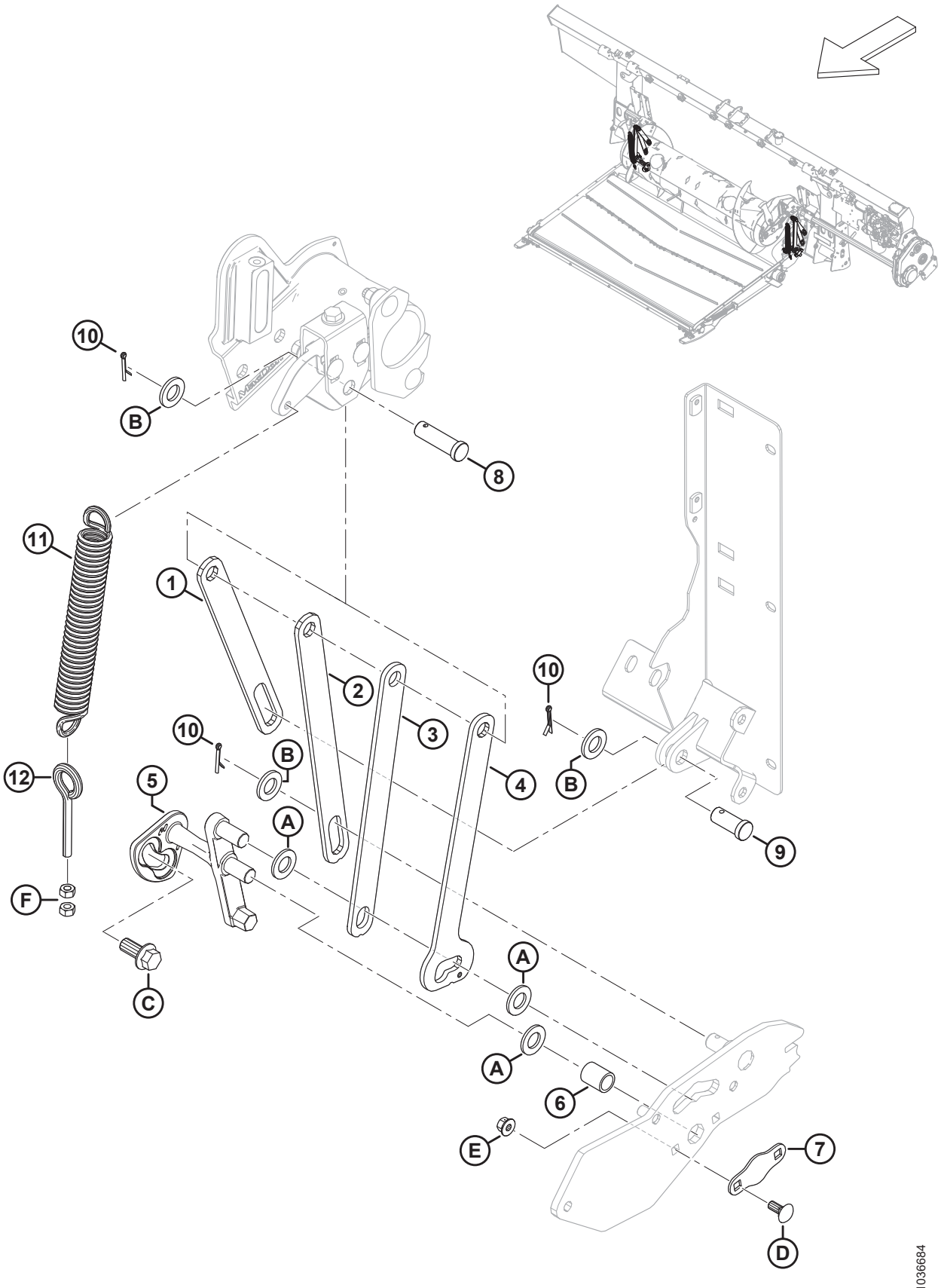
AUGER ASSEMBLY – LEFT ARM



AUGER ASSEMBLY – LEFT ARM

Ref	Part Number	Description	Qty	Serial Number
A	252691	BOLT – RHSN M16 X 2 X 35-10.9-AA1J		
B	252541	BOLT – HEX HD TFL M12 X 1.75 X 65-8.8-AA3L		
C	252288	NUT – HEX THIN FINE M16 X 1.5-04-AA1J		
D	252187	BOLT – RHSSN M12 X 1.5 X 65-10.9-AA1J		
E	252188	NUT – HEX FLG CTR LK M12 X 1.5-10-AA1J		
F	197122	BOLT – RHSSN M12 X 1.75 X 40-8.8-AA1J		
G	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
H	187518	WASHER – FLAT		
J	156743	WASHER – FLAT		
K	172558	WASHER – NORDLOCK 5/8 IN.		
L	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
M	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
N	136757	BOLT – RHSN M16 X 2 X 45-8.8-AAJ1		
P	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
Q	136736	NUT – HEX FLG TOP LOCK M16 X 1.5-10-AA2L		
R	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
S	135369	WASHER – HARDENED ASTM F436 1/2		
T	135156	NUT – HEX M12 X 1.75-10-AA1J		
U	30505	NUT – HEX M10 X 1.5-10-AA1J		
V	252639	BOLT – HEX FLG HD M6 X 1 X 16 X SPCL-8.8-AA2L		
W	18598	WASHER – FLAT SAE 13/32 ID X 13/16 IN OD AA1J		
X	18638	WASHER – REG. LOCK 1/2 IN. NOM. ID AA1J		
Y	123406	WASHER – FLAT [769]		
Z	135157	SCREW – MACHINE		
AA	31465	WASHER – FLAT		

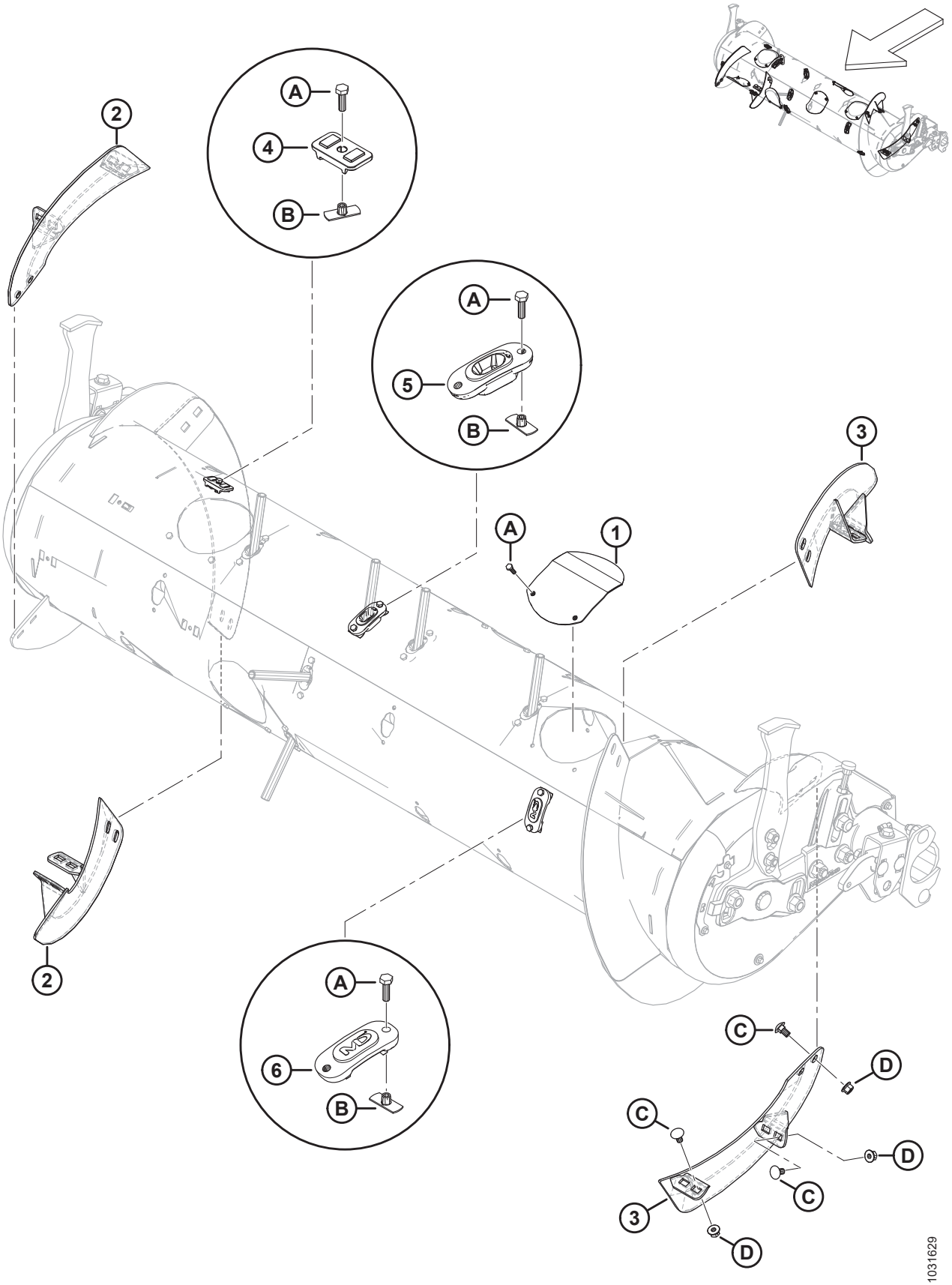
193 Auger – Float Linkage



AUGER – FLOAT LINKAGE

Ref	Part Number	Description	Qty	Serial Number
1	322914	BAR – AUGER SUPPORT, LIMITER	2	
2	301805	BAR – AUGER SUPPORT, REAR	2	
3	301806	BAR – AUGER SUPPORT, FRONT	2	
4	301807	BAR – AUGER SUPPORT DUAL POSITION	2	
5	337362	LEVER – LH CRANK LOCK, MACHINED	1	
	337366	LEVER – RH CRANK LOCK, MACHINED	1	
6	248348	TUBE – SPACER	2	
7	248349	PLATE – SECURING	2	
8	322970	PIN – CLEVIS, 50 MM LG	2	
9	11814	PIN – CLEVIS, 30 MM LG	2	
10	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	6	
11	245966	SPRING – EXTENSION	2	
12	231448	EYE BOLT – M10 X 1.5 X 70-4.8-AA1J	2	
A	18601	WASHER – FLAT SAE		
B	112130	WASHER – HARD ASTM F436 3/4 IN. NOM. ID AB0C		
C	136378	BOLT – HEX FLG HD TFL M16 X 2 X 35-10.9		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	30505	NUT – HEX M10 X 1.5-10-AA1J		

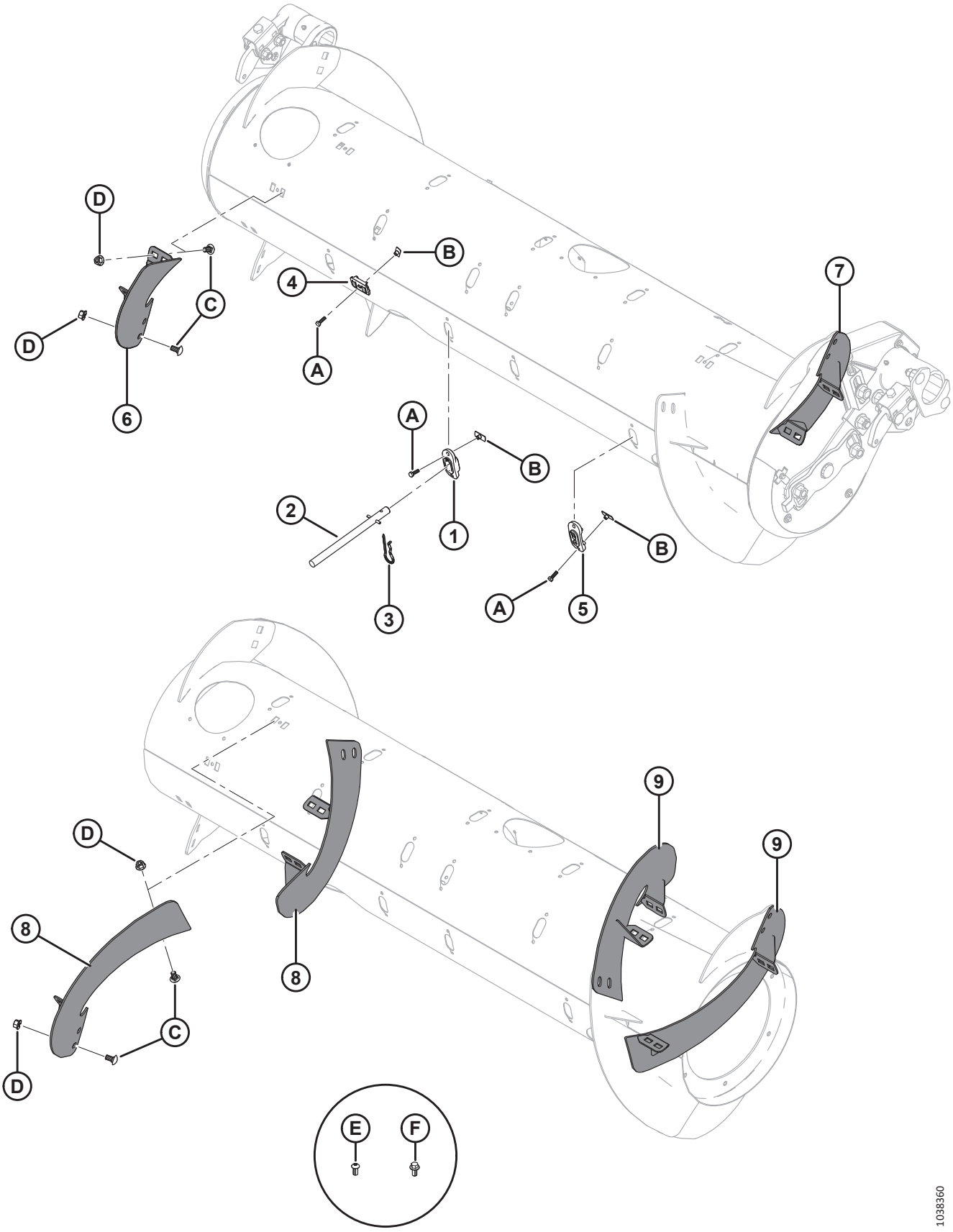
194 Auger Completion



AUGER COMPLETION

Ref	Part Number	Description	Qty	Serial Number
1	304494	COVER WELDMENT	6	
2	287887	FLIGHTING – RH, MEDIUM, HIWEAR	2	
3	287888	FLIGHTING – LH, MEDIUM, HIWEAR	2	
4	213084	PLUG – FLIGHTING SLOT	4	
5	337143	GUIDE	22	
6	187137	PLUG	8	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
B	197263	NUT – TEE M6 X 1		
C	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

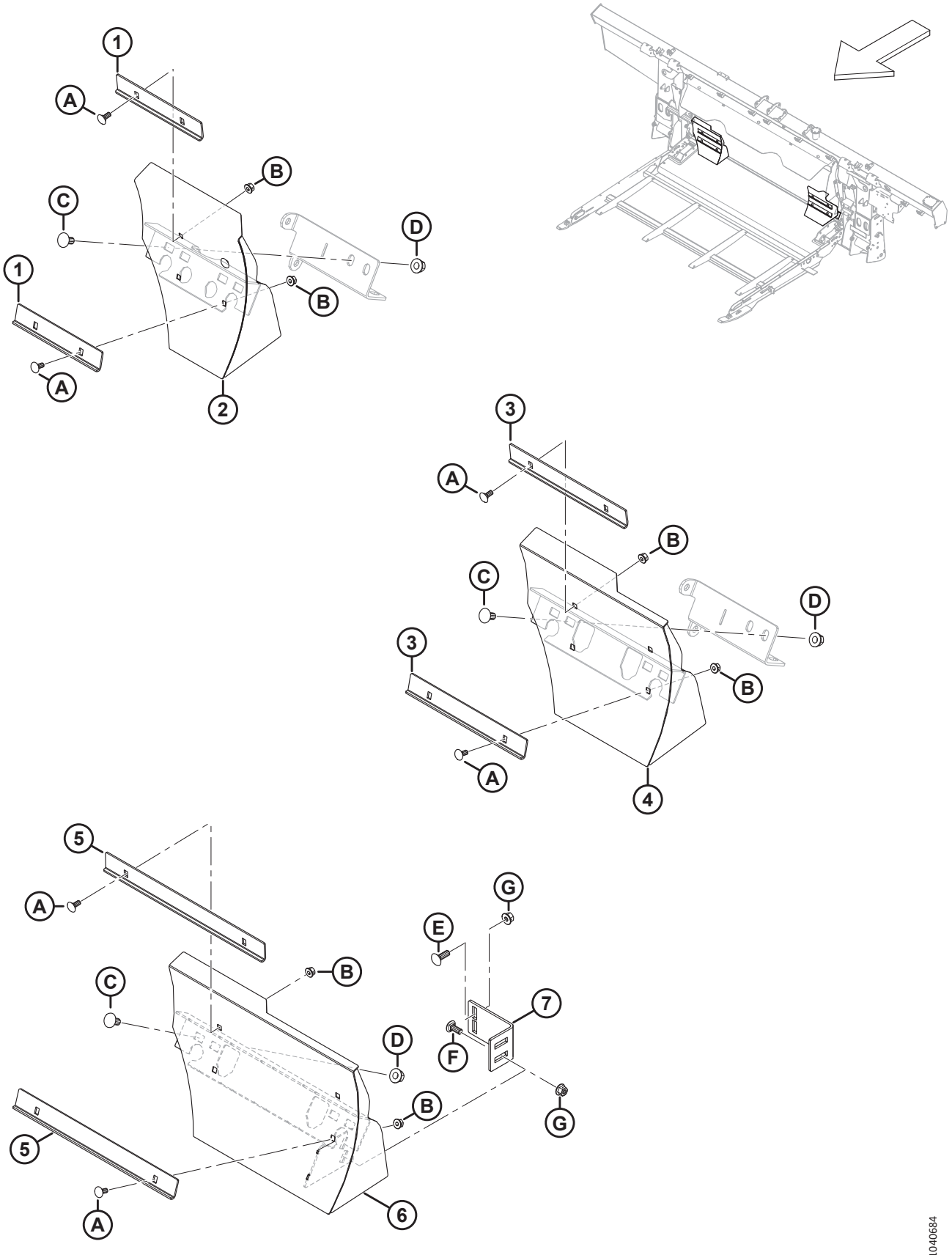
195 Auger Conversion Kits – Fingers and Flighting



Ref	Part Number	Description	Qty	Serial Number
	B7343	KIT – FEED AUGER FINGERS, 4 PCS [773]		
	B7344	KIT – FLIGHTING, SHORT HI-WEAR [774]		
	B7345	KIT – FLIGHTING, LONG HI-WEAR [775]		
	357233	KIT – FLIGHTING, SHORT HI-WEAR [776]		
	357234	KIT – FLIGHTING, LONG HI-WEAR [777]		
1	337143	GUIDE	4	
2	337152	KIT – FINGER [778]	4	
3	123180	PIN – HAIR	4	
4	213084	PLUG – FLIGHTING SLOT	4	
5	187137	PLUG [779]		
6	287887	FLIGHTING, RTD – RH, MED (HI WEAR)	1	
7	287888	FLIGHTING, RTD – LH, MED (HI WEAR)	1	
8	287890	FLIGHTING, RTD – RH, LONG (HI WEAR)	2	
9	287889	FLIGHTING, RTD – LH, LONG (HI WEAR)	2	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AA2L		
B	197263	NUT – TEE M6 X 1		
C	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
E	135723	SCREW – HEX SOC BTN HD M10 X 1.5 X 20-10.9-AA1J [780]		
F	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J [781]		

773. Includes four solid fingers (MD #337152), guides (MD #337143), hair pins (MD #123180), flighting slots plugs (MD #213084), and hardware. Kits are available through Whole Goods only.
774. Includes one pair of short flighting (MD #287887 and MD #287888), four flighting slots plugs (MD #213084), four plugs (MD #187137), and hardware. Kits are available through Whole Goods only.
775. Includes 2 pairs of long flighting (MD #287889 and MD #287890), 12 plugs (MD #187137), and hardware. Kits are available through Whole Goods only.
776. Includes one pair of short flighting (MD #287887 and MD #287888), four flighting slots plugs (MD #213084), four plugs (MD #187137), hardware, and instructions.
777. Includes 2 pairs of long flighting (MD #287889 and MD #287890), 12 plugs (MD #187137), hardware, and instructions.
778. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.
779. Quantities: B7344 = 4; B7345 = 12
780. For Ultra Narrow Configuration only; used on the new holes drilled in the flighting.
781. For Ultra Narrow Configuration only; used on the new holes drilled in the feed auger.

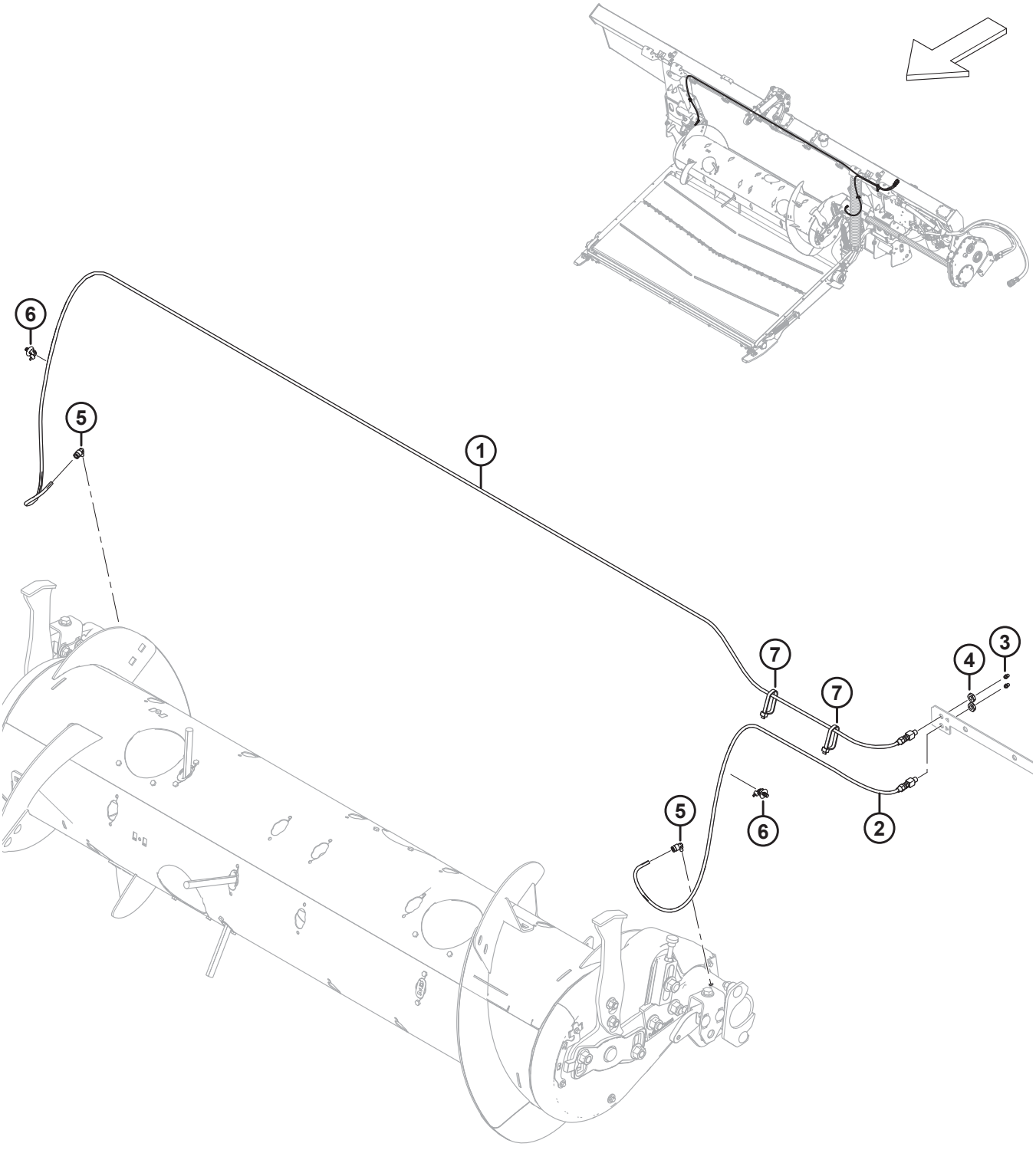
196 Auger – Crop Deflector Kits



Ref	Part Number	Description	Qty	Serial Number
	B7348	KIT – DEFLECTORS, MEDIUM FEED AUGER [782]		
	B7347	KIT – DEFLECTORS, NARROW FEED AUGER [783]		
	B7314	KIT – DEFLECTORS, ULTRA NARROW [784]		
1	314680	ANGLE – SHORT STRIPPER [785]	4	
2	337777	DEFLECTOR – SHORT RH WELDT [785]	1	
	337778	DEFLECTOR – SHORT LH WELDT [785]	1	
3	328085	ANGLE – LONG STRIPPER [786]	4	
4	337779	DEFLECTOR – LONG RH WELDT [786]	1	
	337780	DEFLECTOR – LONG LH WELDT [786]	1	
5	328758	ANGLE – ULTRA LONG STRIPPER [787]	4	
6	328760	DEFLECTOR – ULTRA LONG WELDT RH [787]	1	
	328756	DEFLECTOR – ULTRA LONG WELDT LH [787]	1	
7	328763	FILLER BRACKET [787]	2	
A	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
F	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

782. For feeder opening widths of approximately 1317 mm (52 in.). Kits are available through Whole Goods only.
783. For feeder opening widths of approximately 1115 mm (44 in.). Kits are available through Whole Goods only.
784. For feeder opening widths of approximately 896 mm (35 in.). Kits are available through Whole Goods only
785. Included in B7348.
786. Included in B7347.
787. Included in B7314.

197 Auger – Grease Lines

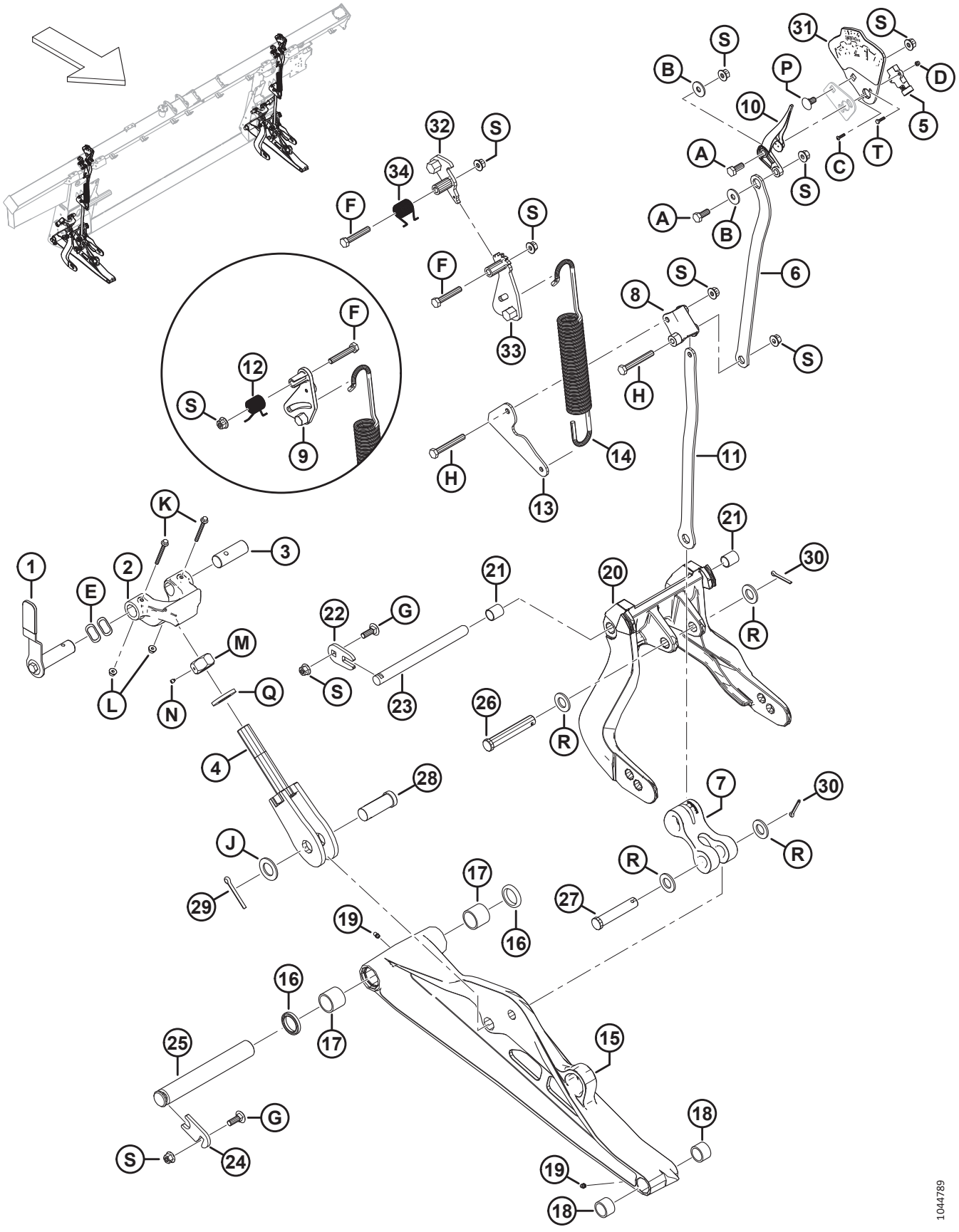


AUGER – GREASE LINES

Ref	Part Number	Description	Qty	Serial Number
1	322961	GREASE LINE – 3170 MM LG [788]	1	
2	322962	GREASE LINE – 1165 MM LG [788]	1	
3	18671	FITTING – LUBE 1/4 - 28 UNF	2	
4	320259	NUT – HEX 1/8-27 NPSM-SPCL-GR2-ZINC	2	
5	301427	FITTING – QUICK DC, 90°	2	
6	136655	FASTENER – FIR TREE MT W/ TIE	2	
7	30753	FASTENER – CABLE TIE, BLACK	2	

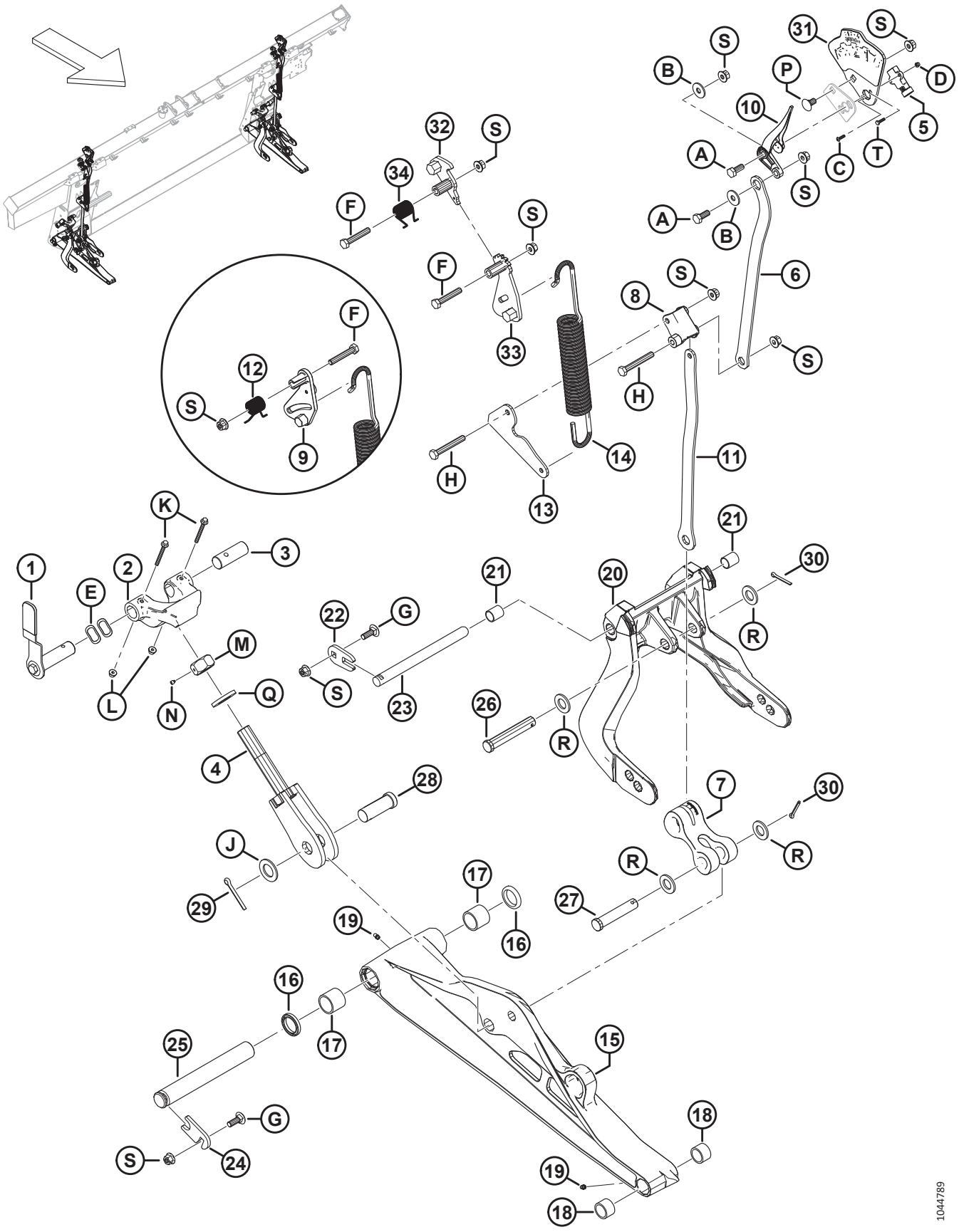
788. The grease line includes one lube fitting (MD #18671) and one hex nut (MD #320259).

198 Float Linkage and Float Setting and Measuring



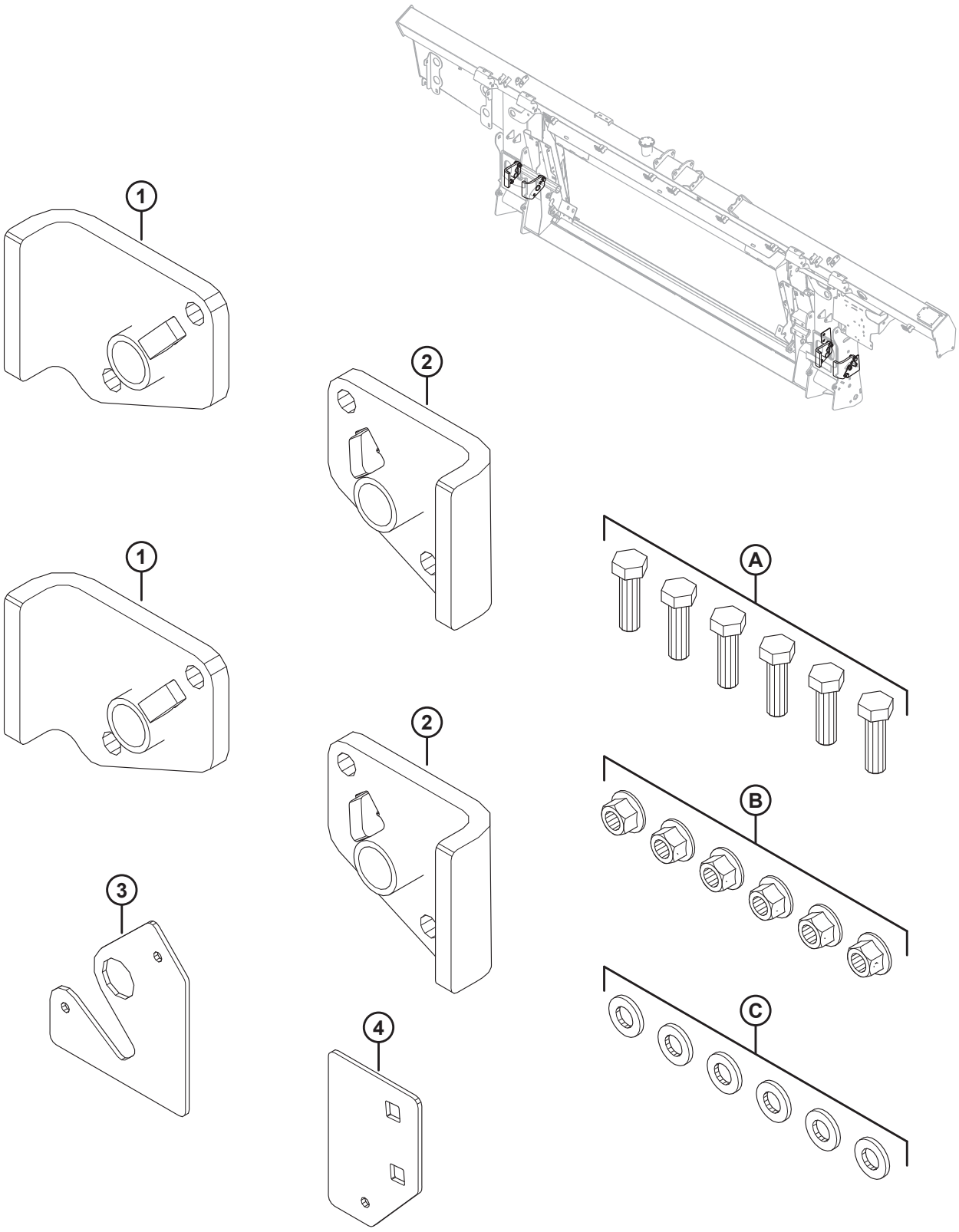
Ref	Part Number	Description	Qty	Serial Number
1	328538	HANDLE ASSY – FLOAT LOCK [789]	2	
	328491	GRIP – HANDLE	2	
2	301513	DOWNSTOP CASTING, MACHINED	2	
3	314276	PIN – PIVOT	2	
4	322219	BOLT – WELDMENT	2	
5	500303	SENSOR – ROTARY, DUAL CONTACTLESS [790]	2	
6	337634	PLATE – TOP LINK	2	
7	328133	LINK – ARM	2	
8	337821	LEVER – FSM MACHINED	2	
9	322981	CASTING – FSM LEVER (2023 AND PRIOR) [791]	A/R	**–486189**
10	347923	INDICATOR NEEDLE	2	
11	337635	PLATE – BOTTOM LINK	2	
12	322046	SPRING – TORSION (2023 AND PRIOR) [792]	A/R	**–486189**
13	337636	PLATE – SPRING LINK	2	
14	322557	SPRING – EXTENSION	2	
15	357299	ASSY – LOWER LINK [793]	2	
16	113222	SEAL KIT [794]		
17	100500	BEARING – NEEDLE	4	
18	49904	BEARING – NEEDLE	4	
19	320500	FITTING – LUBE 1/4-28 UNF TAPER	4	
20	357492	ASSEMBLY – FLOAT LEVER [795]	2	
21	156501	BUSHING – PLASTIC	4	
22	301633	PLATE	2	
23	335144	PIN – PIVOT	2	
24	212250	PLATE – PIN LOCK	2	
25	248261	PIN	2	
26	156741	PIN – CLEVIS	2	
27	20312	PIN – CLEVIS	2	
28	135995	PIN – CLEVIS	2	
29	18609	PIN – COTTER 1/4 DIA X 2 ZP	2	
30	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	4	
31	357455	PLATE – INDICATOR W/ DECAL [796]	2	
32	360971	PAWL – FSM WELDMENT (2024 AND LATER) [797]	2	**486190–**

789. The handle assembly includes one float lock handle (NSS), one handle grip (MD #328491), one float lock pin (NSS), and hardware (MD #30627, MD #184712).
790. Rotary sensor MD #328412 has been superseded by rotary sensor (MD #500303). Order rotary sensor (MD #328412) until stock is depleted, then order rotary sensor (MD #500303).
791. FSM lever (MD #322981) is a service part only for model year 2023 and prior machines.
792. Torsion spring (MD #322046) is a service part only for model year 2023 and prior machines.
793. The lower link assembly includes seal kit (MD #113222), two needle bearings (MD #100500), two needle bearings (MD #49904), and two lube fittings (MD #320500).
794. The seal kit includes one seal (NSS) and instructions.
795. The float lever assembly includes two plastic bushings (MD #156501).
796. The indicator plate assembly includes one indicator plate (NSS), and one float setting and measuring decal (MD #328142).
797. For model year 2024 and later machines.


1044789

Ref	Part Number	Description	Qty	Serial Number
33	**378124**	**LEVER – FSM WELDMENT (2024 AND LATER)** [797]	**2**	**486190–**
34	368017	SPRING – TORSION (2024 AND LATER) [797]	2	**486190–**
A	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
B	184712	WASHER – FLAT LARGE M10-200HV		
C	320389	SCREW – HEX SOC BTN HD M4 X 0.7 X 16-A2-SS		
D	320390	NUT – HEX NYLOC M4 X 0.7-8-A2-SS		
E	252564	WASHER – WAVE		
F	184664	BOLT – HEX HD M10 X 1.5 X 60-8.8-AA1J		
G	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
H	184659	BOLT – HEX HD M10 X 1.5 X 75-8.8-AA1J		
J	156743	WASHER – FLAT		
K	136704	BOLT – HEX FLG HD M6 X 1 X 60-8.8-AA2L		
L	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
M	133047	NUT – DOWNSTOP MACHINING		
N	136596	SCREW – SET CUP POINT 1/4-20 X 1/4		
P	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
Q	31774	WASHER – FLAT 1-1/8-30 HRC-AC0C		
R	18601	WASHER – FLAT SAE		
S	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
T	197319	BOLT – HEX HD TFL M4 X 0.7 X 16-8.8-AA1J		

199 Float Lock Pivot Rework Kit

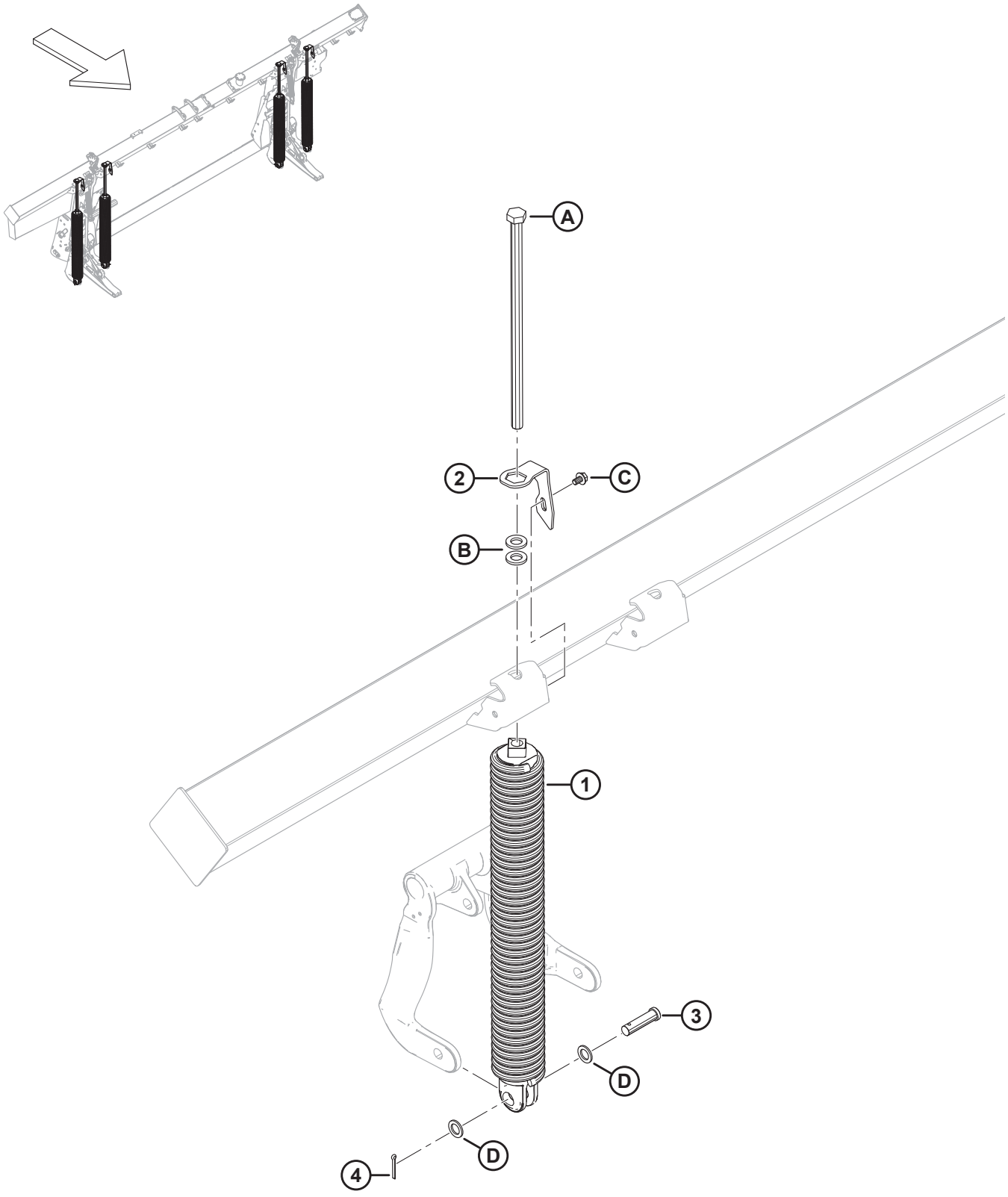


FLOAT LOCK PIVOT REWORK KIT

Ref	Part Number	Description	Qty	Serial Number
	352697	KIT – FLOAT LOCK PIVOT REWORK [798]	1	
1	NSS	ASSY – RH PIVOT REWORK	2	
2	NSS	ASSY – LH PIVOT REWORK	2	
3	NSS	PLATE – OUTER HOLES TEMPLATE	1	
4	NSS	PLATE – INNER HOLES TEMPLATE	1	
A	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	30636	WASHER – FLAT NARROW M12-STL-SOFT-AA1J		

798. The kit includes all listed parts and instructions.

200 Float Springs

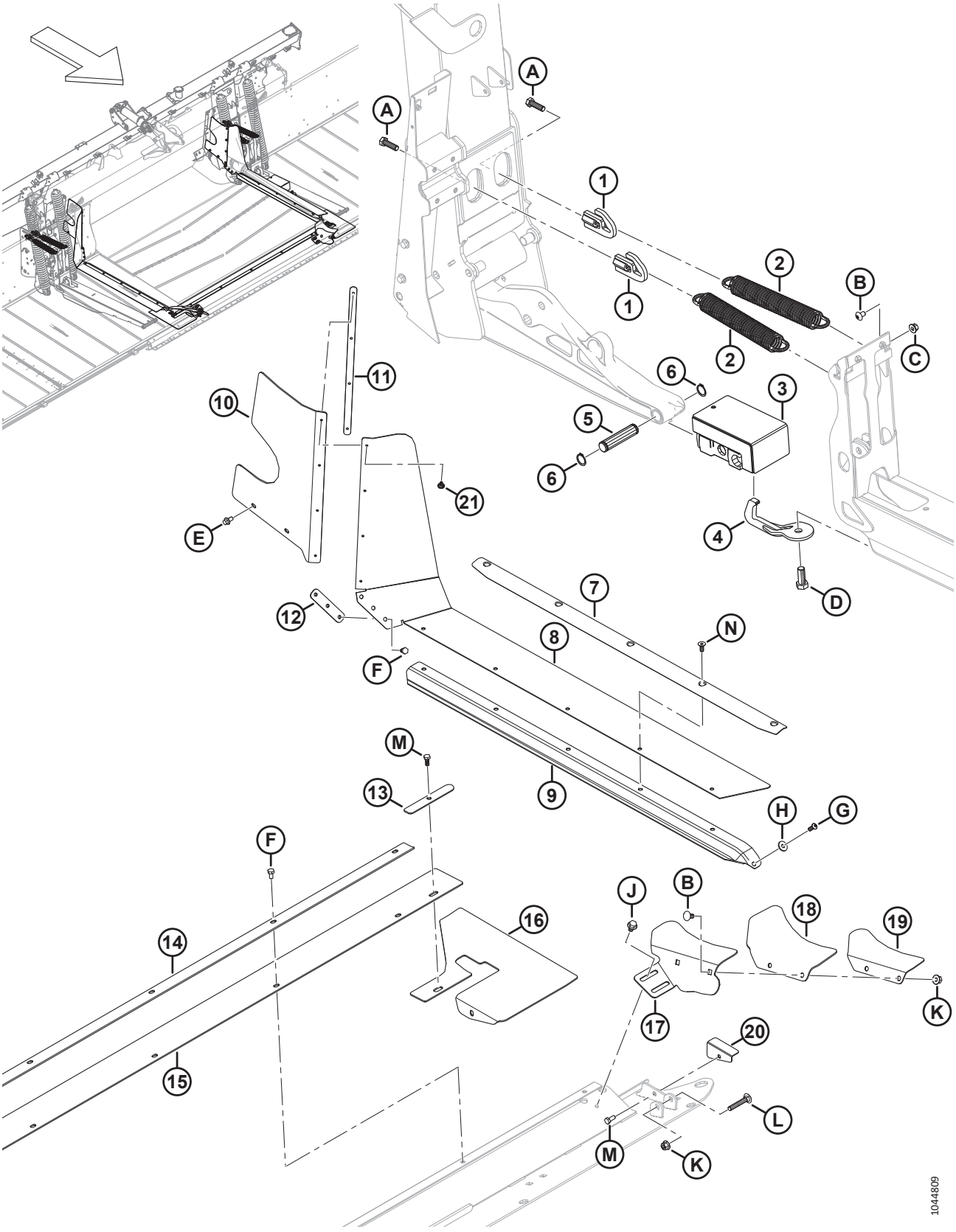


FLOAT SPRINGS

Ref	Part Number	Description	Qty	Serial Number
1	308878	SPRING – ASSEMBLY [799]		
	308879	SPRING – ASSEMBLY HEAVY [799]		
2	322668	LOCK – SPRING	4	
3	30463	PIN – CLEVIS	4	
4	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	4	
A	136088	BOLT – HEX HD TFL M20 X 2.5 X 450 X SPCL-8.8-AA1J		
B	21540	WASHER – HARD ASTM F436 M20-340HV-AB2C		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	1709	WASHER – FLAT		

799. There are four springs on each float module, but the combination of springs (MD #308878 and MD #308879) varies depending on header size. FD225 and FD230 single-knife headers require 4 x 308878; FD235 single-knife headers require 3 x 308878 and 1 x 308879 on the LH outboard side; FD235 double-knife headers require 3 x 308878 and 1 x 308879 on the RH outboard side; FD240 single-knife double reel headers require 3 x 308878 and 1 x 308879 on the LH outboard side; FD240 double-knife double reel, FD240 single-knife triple reel, FD240 double-knife triple reel, all FD241, and FD245 double-knife headers require 2 x 308878 on the inboard sides and 2 x 308879 on the outboard sides; FD250 double-knife headers require 3 x 308879 and 1 x 308878 on the LH inboard side; FD261 headers require 3 x 308879 and 1 x 308878 on the LH inboard side; however, 4 x 308879 may be required if two stabilizer wheel options are installed.

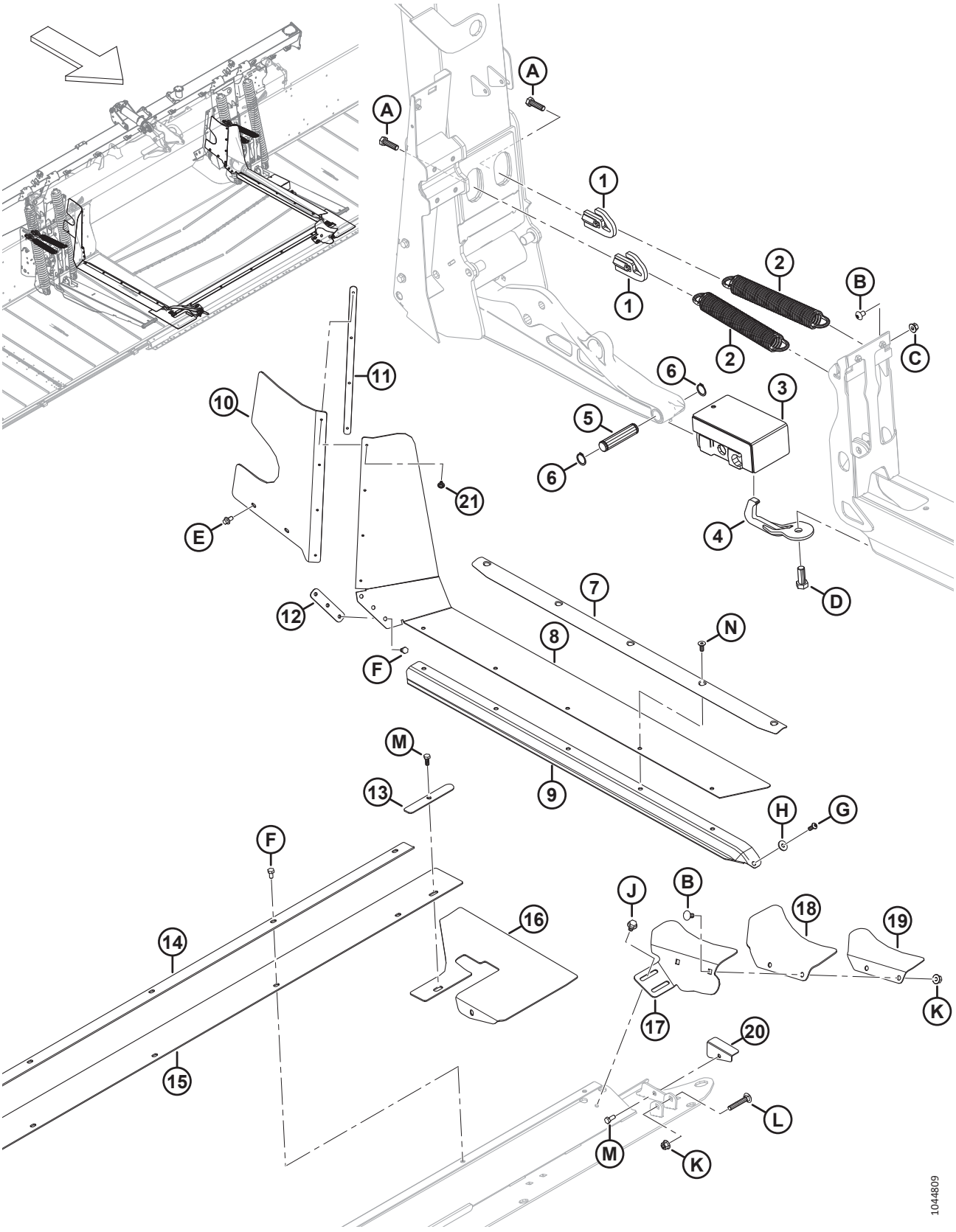
201 Float Module Attaching and Filler Components – FM200 to FD2 Series (2021 and Prior)



Ref	Part Number	Description	Qty	Serial Number
1	322676	TRIM SPRING TENSIONER – WELDT	4	–421189
2	340125	SPRING EXTENSION – HEADER TRIM	4	–421189
3	258703	RUBBER BLOCK FLEX – ASSY	2	–421189
4	258876	BREAKAWAY HOOK – WELDT	2	–421189
5	258318	PIN – PIVOT	2	–421189
6	18898	RING – EXT RETAINING	4	–421189
7	337407	RETAINER – SEAL AND FILLER	2	–421189
8	REF	FILLER – MID DECK SIDE FLEX [800]	2	–421189
	347963	KIT – MID FILLER UPPER [801]		–421189
9	REF	SEAL – DRAPER FEED DECK [802]	OPT	–421189
10	328348	FILLER – LH REAR UPPER	1	–421189
	328349	FILLER – RH REAR UPPER	1	–421189
11	276770	PLATE – FILLER RETAINER	2	–421189
12	213713	RETAINER – FILLER MACHINED	2	–421189
13	301127	PLATE – FILLER RETAINER	2	–421189
14	301126	RETAINER – CENTER FILLER	1	–421189
15	295261	FILLER – PAN CENTER	1	–421189
16	295992	FLAP – PAN CORNER FLEX	2	–421189
17	337457	SUPPORT – LH CORNER FILLER	1	–421189
	337463	SUPPORT – RH CORNER FILLER	1	–421189
18	304040	FLAP – CORNER FILLER	2	–421189
19	337456	RETAINER – LH CORNER FILLER	1	–421189
	337464	RETAINER – RH CORNER FILLER	1	–421189
20	276117	RETAINER – PAN FLAP LH	1	–421189
	276062	RETAINER – PAN FLAP RH	1	–421189
21	293053	RIVET – POP	8	–421189
A	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
B	**136640**	**SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J**		
C	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		
D	111528	BOLT – HEX HD TFL M16 X 2 X 40-8.8-AA1J		
E	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
F	50139	BOLT – HEX HD TFL M8 X 1.25 X 16-8.8-AA1J		
G	320176	SCREW – HEX SOC BTN HD M8 X 1.25 X 20-10.9-AA1J		
H	184709	WASHER – FLAT LARGE M8-200HV		
J	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	136113	BOLT – RHSN M10 X 1.5 X 60-8.8-AA1J		

800. The single-piece mid filler has been superseded by a thicker two-piece filler. If replacing a single-piece mid filler, order mid filler kit (MD #347963). The kit includes all parts required for both the left and right sides of the float module: two mid fillers (MD #347500), two upper mid fillers (MD #347775), two retainer plates (MD #347778), and rivets (MD #293053).
801. Includes all parts required for both the left and right sides of the float module: two mid fillers (MD #347500), two upper mid fillers (MD #347775), two retainer plates (MD #347778), and rivets (MD #293053).
802. For service parts, refer to Section *255 (Option) FM200 Full Interface Filler – FD2 Series, page 653*.

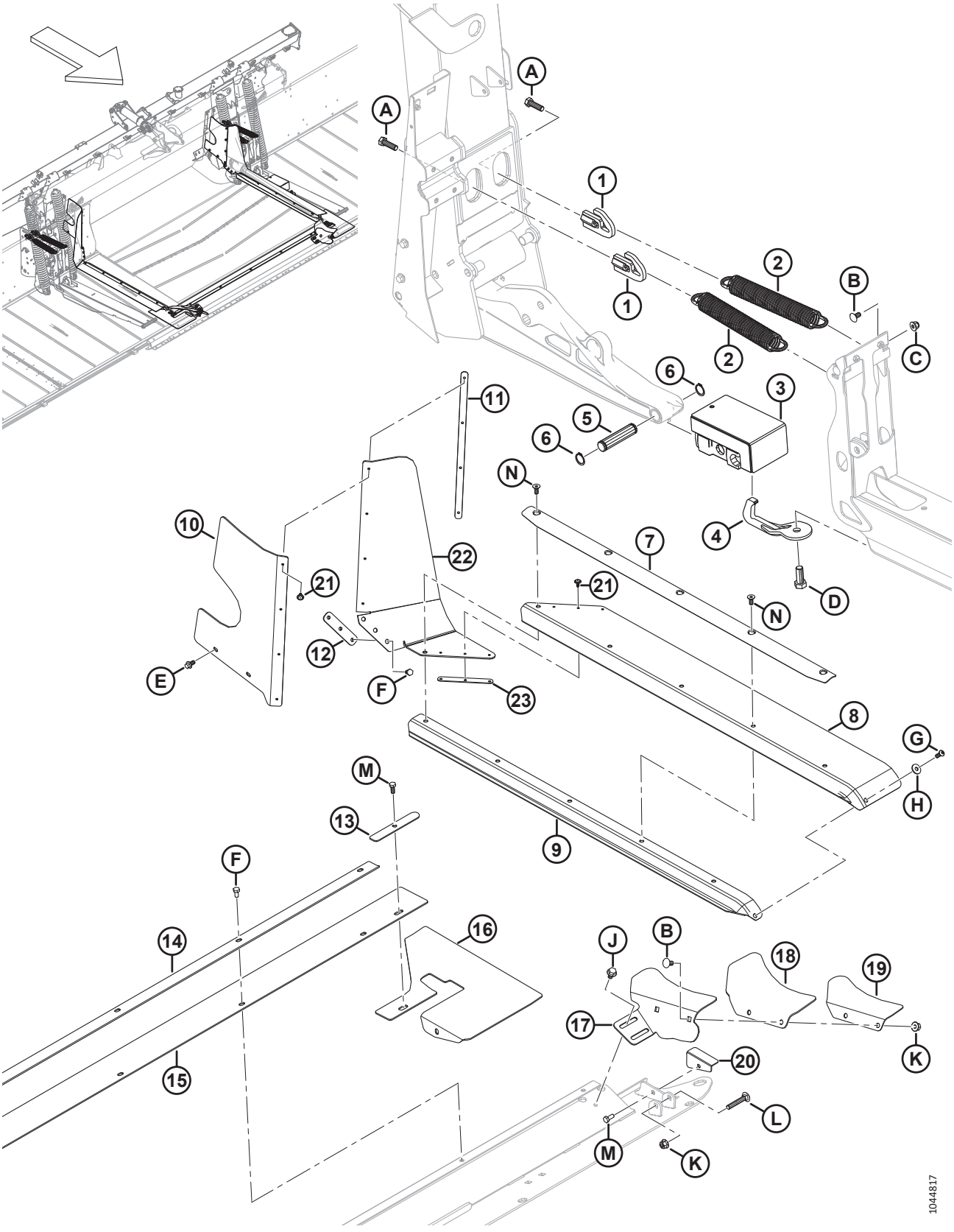
FLOAT MODULE ATTACHING AND FILLER COMPONENTS – FM200 TO FD2 SERIES (2021 AND PRIOR)



FLOAT MODULE ATTACHING AND FILLER COMPONENTS – FM200 TO FD2 SERIES (2021 AND PRIOR)

Ref	Part Number	Description	Qty	Serial Number
M	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
N	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		

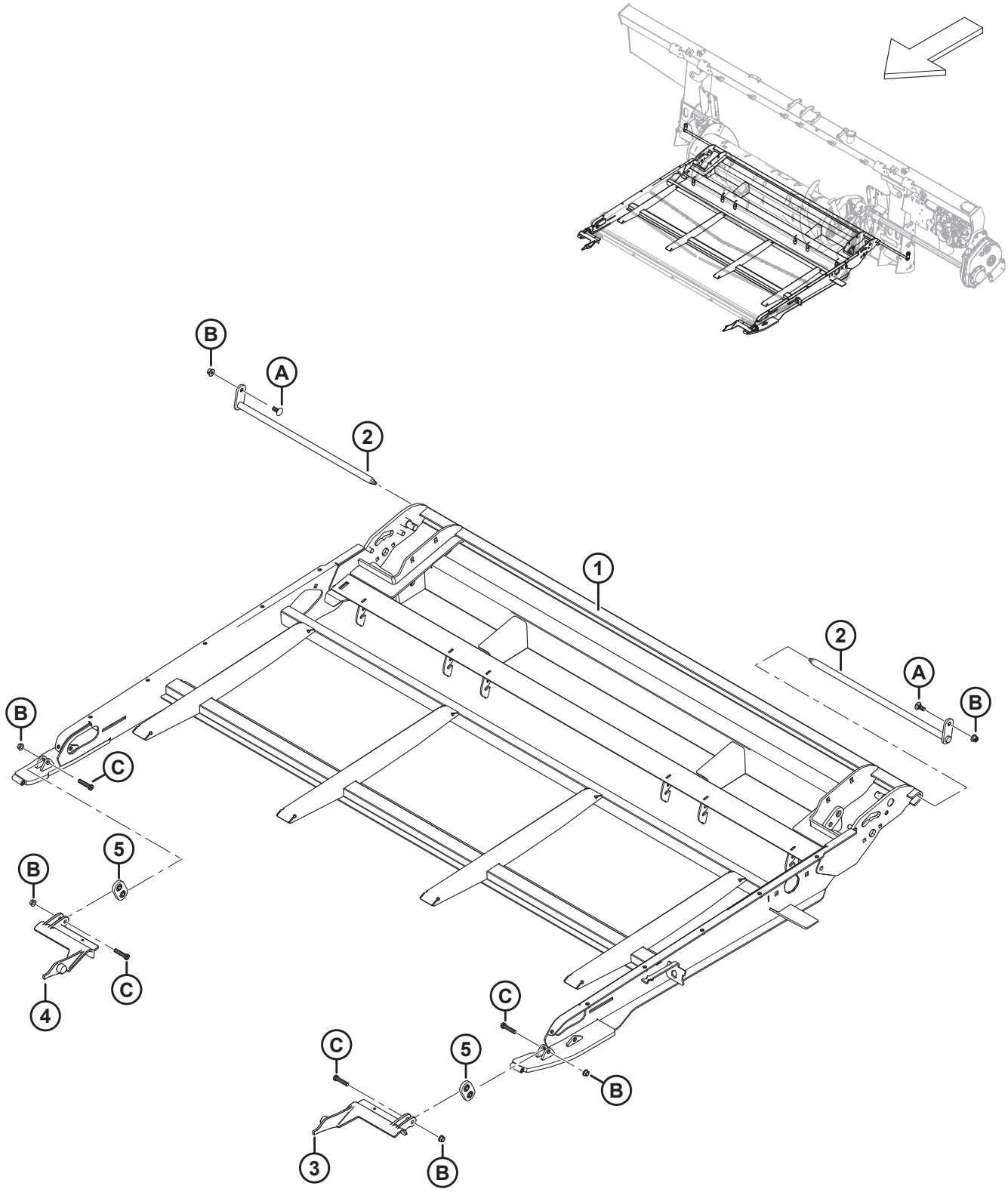
202 Float Module Attaching and Filler Components – FM200 to FD2 Series (2022 and Later)



Ref	Part Number	Description	Qty	Serial Number
1	322676	TRIM SPRING TENSIONER – WELDT	4	421190–
2	340125	SPRING EXTENSION – HEADER TRIM	4	421190–
3	258703	RUBBER BLOCK FLEX – ASSY	2	421190–
4	258876	BREAKAWAY HOOK – WELDT	2	421190–
5	258318	PIN – PIVOT	2	421190–
6	18898	RING – EXT RETAINING	4	421190–
7	337407	RETAINER – SEAL AND FILLER	2	421190–
8	347500	FILLER – MID DECK SIDE	2	421190–
9	REF	SEAL – DRAPER FEED DECK [803]	OPT	421190–
10	328348	FILLER – LH REAR UPPER	1	421190–
	328349	FILLER – RH REAR UPPER	1	421190–
11	276770	PLATE – FILLER RETAINER	2	421190–
12	213713	RETAINER – FILLER MACHINED	2	421190–
13	301127	PLATE – FILLER RETAINER	2	421190–
14	301126	RETAINER – CENTER FILLER	1	421190–
15	295261	FILLER – PAN CENTER	1	421190–
16	295992	FLAP – PAN CORNER FLEX	2	421190–
17	337457	SUPPORT – LH CORNER FILLER	1	421190–
	337463	SUPPORT – RH CORNER FILLER	1	421190–
18	304040	FLAP – CORNER FILLER	2	421190–
19	337456	RETAINER – LH CORNER FILLER	1	421190–
	337464	RETAINER – RH CORNER FILLER	1	421190–
20	276117	RETAINER – PAN FLAP LH	1	421190–
	276062	RETAINER – PAN FLAP RH	1	421190–
21	293053	RIVET – POP	14	421190–
22	347775	FILLER – MID DECK SIDE UPPER	2	421190–
23	347778	PLATE – FILLER RETAINER	2	421190–
A	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
B	**136640**	**SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J**		
C	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		
D	111528	BOLT – HEX HD TFL M16 X 2 X 40-8.8-AA1J		
E	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
F	50139	BOLT – HEX HD TFL M8 X 1.25 X 16-8.8-AA1J		
G	320176	SCREW – HEX SOC BTN HD M8 X 1.25 X 20-10.9-AA1J		
H	184709	WASHER – FLAT LARGE M8-200HV		
J	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	136113	BOLT – RHSN M10 X 1.5 X 60-8.8-AA1J		
M	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
N	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		

803. For service parts, refer to Section *255 (Option) FM200 Full Interface Filler – FD2 Series, page 653*.

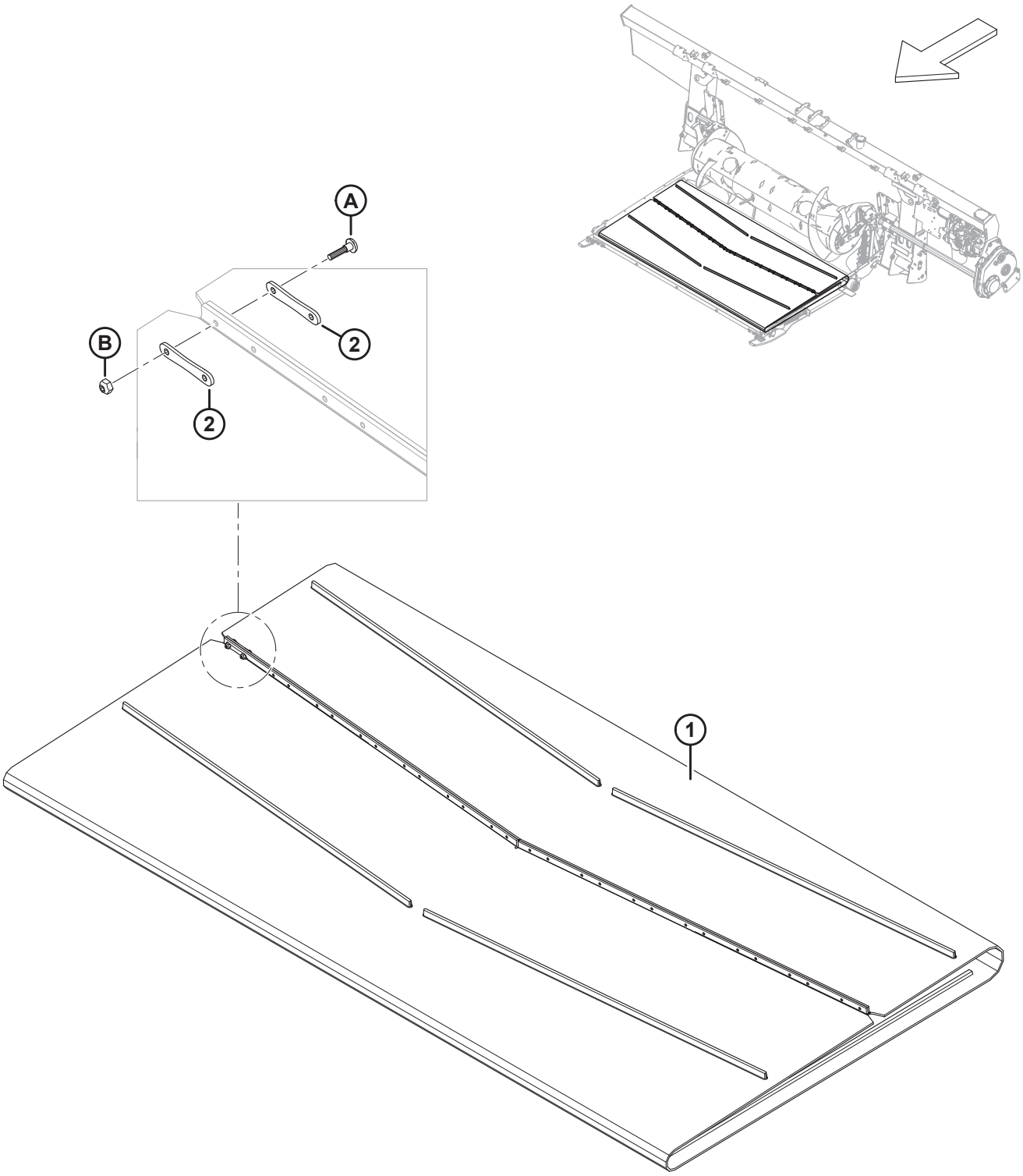
203 Feed Deck – Frame, Pivot Pins, and Front Support



Ref	Part Number	Description	Qty	Serial Number
	368380	ASSY – FEED DECK [804]	1	
1	347665	FRAME – CARRIER, FEED DECK WELDT	1	
2	231368	PIN – DECK PIVOT WELDT	2	
3	213418	SUPPORT – LH ADAPTER LINK MACH	1	
4	213419	SUPPORT – RH ADAPTER LINK MACH	1	
5	308774	SUPPORT – HOOK ASSY	2	
A	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	320358	SCREW – HEX SOC HD M10 X 1.5 X 45-SPCL-8.8-ZINC		

804. Complete feed deck assembly. The assembly does NOT include the pivot pins (MD #231368) and associated hardware, but includes all other parts listed in Section *203 Feed Deck – Frame, Pivot Pins, and Front Support, page 509* to Section *206 Feed Deck – Pans and Fillers, page 517*.

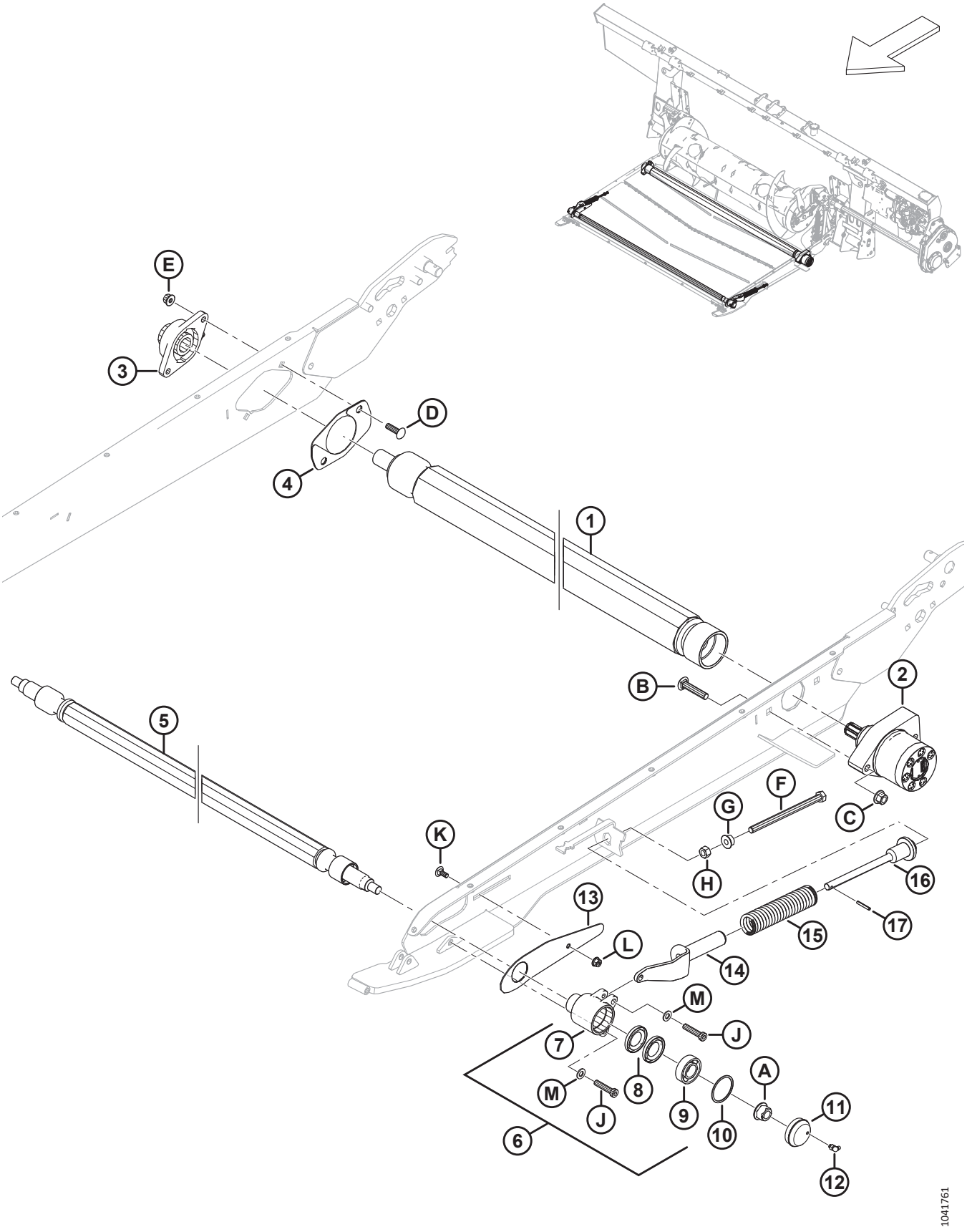
204 Feed Deck – Draper



1032730

Ref	Part Number	Description	Qty	Serial Number
1	322555	DRAPER – 1988 MM (78.3 IN.) WIDE X 2205 MM LG	1	
2	130283	STRAP – DRAPER CONNECTOR	28	
A	135630	SCREW – BHRN #12-24 NCX 0.920 IN. LG (QTY 50)		
B	135626	NUT – #12-24 NC (QTY 50)		

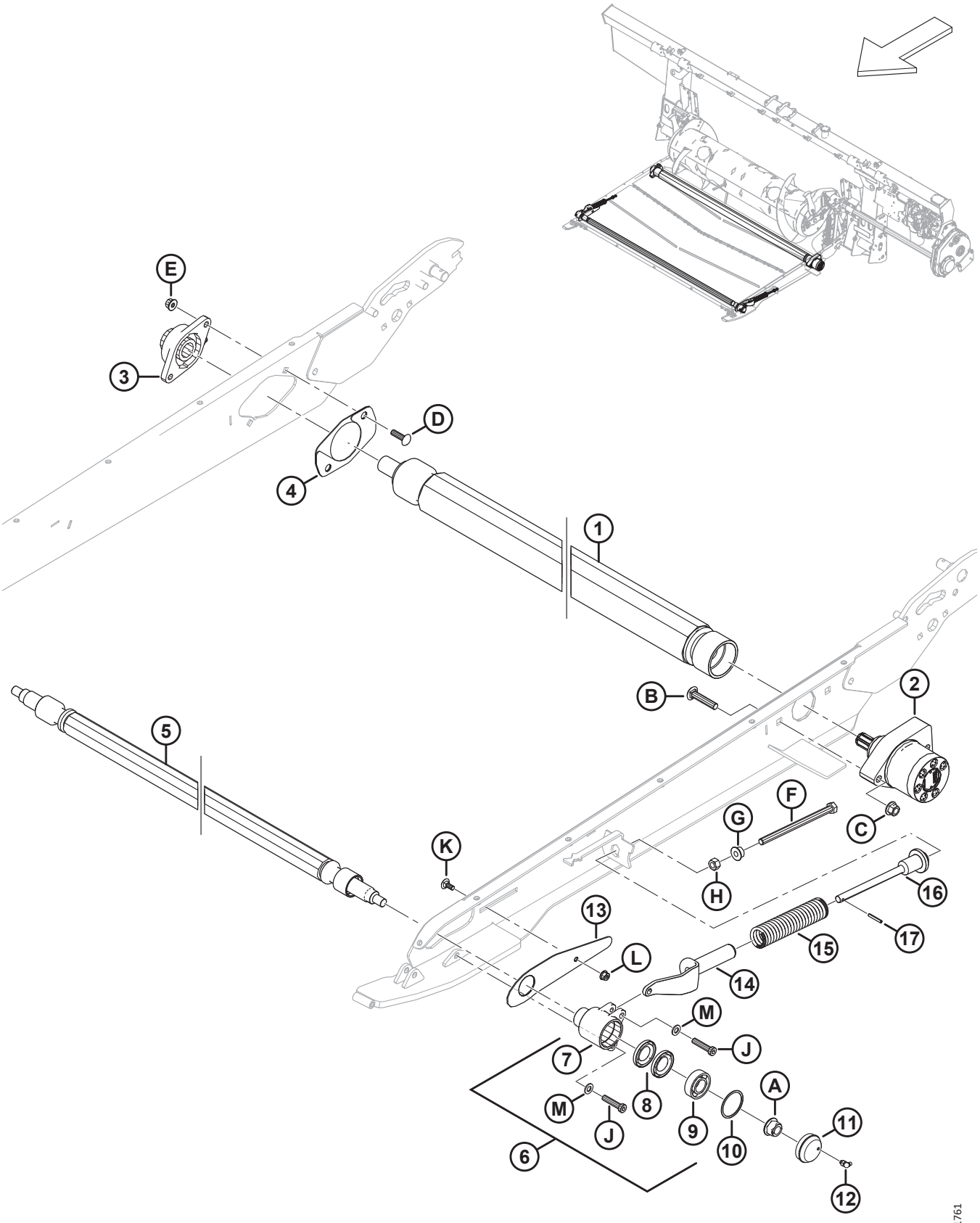
205 Feed Deck – Drive/Idler Roller and Tensioner



Ref	Part Number	Description	Qty	Serial Number
1	347483	ROLLER – DRIVE, VULCANIZED	1	
2	295853	MOTOR – HYD	1	
	245316	SEAL KIT		
3	347487	HOUSING – FL206 AND BEARING	1	
4	347553	KIT – DRIVE ROLLER COVER [805]	1	
5	295770	ROLLER – IDLER	1	
6	368460	KIT – IDLER CUP W/ INSTRUCTION (2024 AND LATER) [806]	2	
	335981	KIT – IDLER HOUSING AND GREASE CAP (2023 AND PRIOR) [807]	A/R	
7	335981	KIT – IDLER HOUSING AND GREASE CAP [808]	2	
8	100862	SEAL – OIL	4	
9	368457	KIT – BEARING W/ INSTRUCTION [809]	2	
10	118011	RING – RETAINING INTERNAL	2	
11	357230	ASSY – DUST CAP WITH FITTING (2024 AND LATER) [810]	2	
	133372	CAP – DUST (2023 AND PRIOR) [811]	A/R	
12	21010	FITTING – LUBE 90° 1/4-28 TAPER THD [812]	2	
13	295766	COVER – IDLER ROLLER	2	
14	328128	SUPPORT – DECK TENSION CASTING	2	
15	295407	SPRING – COMPRESSION	2	
16	328143	SUPPORT – SPRING MACHINED	2	
17	13617	PIN – SPRING 3/16 DIA X 1.25 LG	2	
A	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
B	136308	BOLT – RHSSN M12 X 1.75 X 60-8.8-ZINC		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136248	BOLT – RHSSN TFL M10 X 1.5 X 35-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	252272	BOLT – HEX HD TFL M12 X 1.75 X 180-10.9-ZINC		
G	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

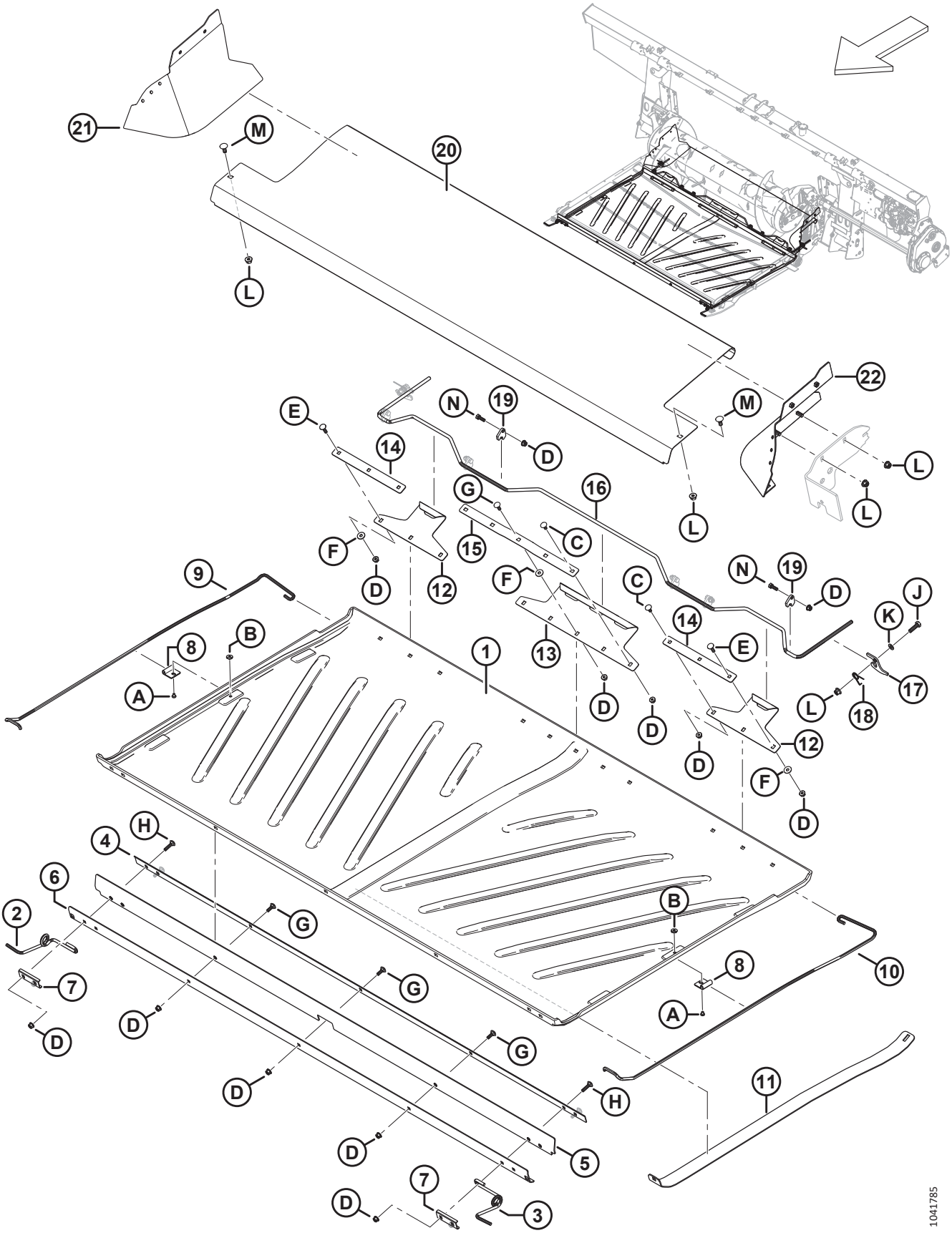
805. The kit includes two cover plates (not sold separately).
806. The Idler Housing kit (MD #368460) is used to service the idler housing assembly (item #6) for model year 2024 and later machines. The Idler Housing kit includes one idler housing (NSS), two oil seals (MD #100862), one bearing (MD #118185), one internal retaining ring (MD #118011), and instructions. The kit does NOT include the lube fitting (MD #21010), dust cap (NSS), or attaching bolts (MD #135319).
807. The Idler Housing and Grease Cap kit (MD #335981) is used to service the idler housing assembly (item #6) for model year 2023 and prior machines. The kit includes one dust cap assembly with fitting (MD #357230), one Idler Housing kit (MD #368460), and instructions.
808. The Idler Housing and Grease Cap kit (MD #335981) is also used to service superseded idler housing MD #314474 (item #7). The kit includes one dust cap assembly with fitting (MD #357230), one Idler Housing kit (MD #368460), and instructions.
809. The kit includes one 52 mm O.D. ball bearing (NSS) and instructions.
810. The Dust Cap with Fitting assembly (MD #357230) is used to service model year 2024 and later machines, or machines that have been serviced with the Idler Housing and Grease Cap kit (MD #335981). The assembly includes one dust cap (NSS) and one lube fitting (MD #21010).
811. Dust cap (MD #133372) is used to service model year 2023 and prior machines that have NOT been serviced with the Idler Housing and Grease Cap kit (MD #335981).
812. The lube fitting connects to the idler housing for model year 2023 and prior machines that have NOT been serviced with the Idler Housing and Grease Cap kit (MD #335981).

FEED DECK – DRIVE/IDLER ROLLER AND TENSIONER



Ref	Part Number	Description	Qty	Serial Number
H	184694	NUT – HEX M12 X 1.75-8-AA1J		
J	320358	SCREW – HEX SOC HD M10 X 1.5 X 45-SPCL-8.8-ZINC		
K	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
L	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
M	184711	WASHER – FLAT REG M10-200HV-AA1J		

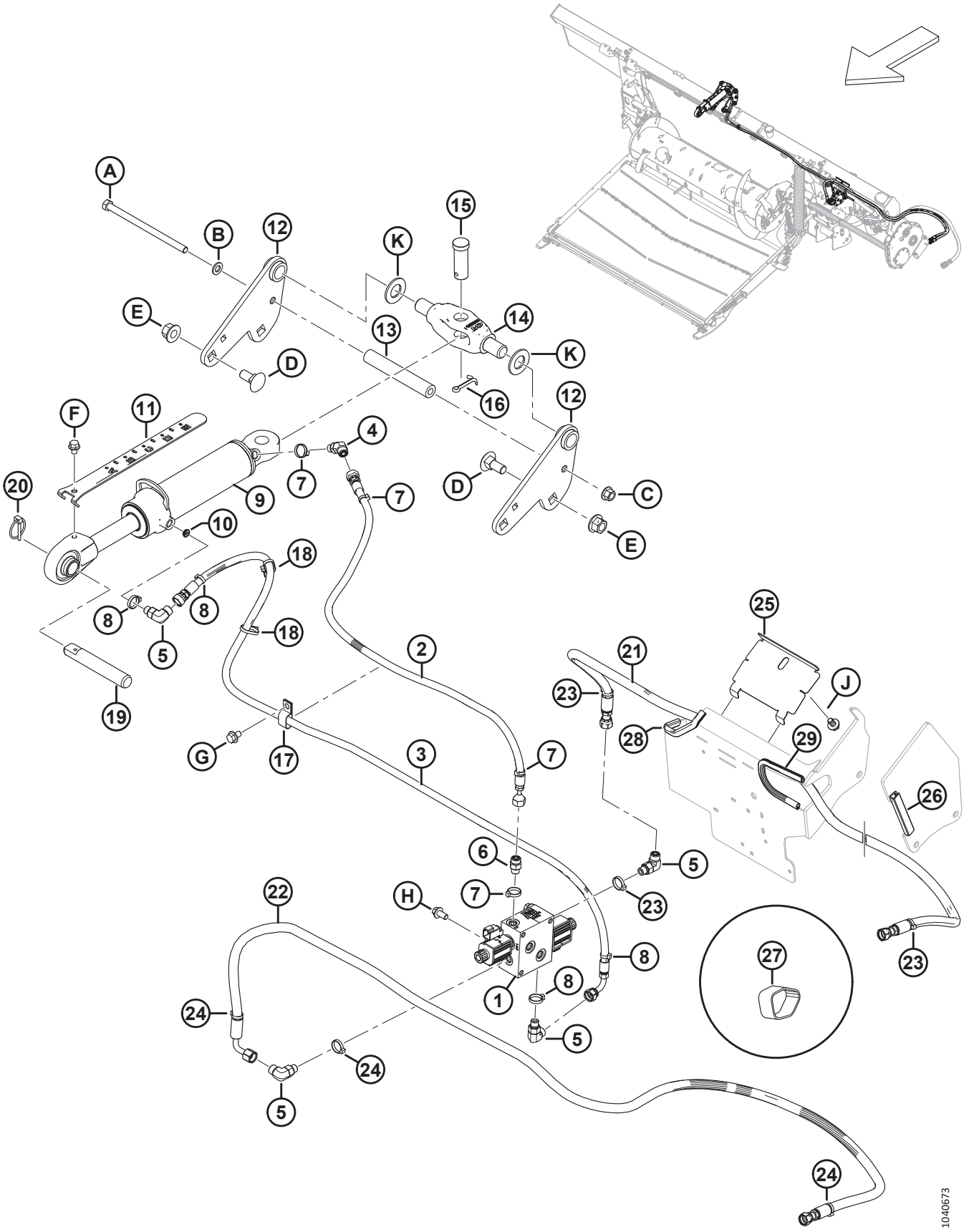
206 Feed Deck – Pans and Fillers



Ref	Part Number	Description	Qty	Serial Number
1	360927	PAN – FEED DECK [813]	1	
2	347691	SUPPORT – PAN FRONT SPRING RH	1	
3	347692	SUPPORT – PAN FRONT SPRING LH	1	
4	295213	PLATE – FRONT BAR INNER	1	
5	295212	FLAP – PAN FRONT	1	
6	295211	PLATE – FRONT BAR OUTER	1	
7	287939	RETAINER – FRONT SPRING	2	
8	248833	RETAINER – PAN SPRING	2	
9	213634	SUPPORT – PAN SPRING RH	1	
10	213633	SUPPORT – PAN SPRING LH	1	
11	213635	SUPPORT – PAN LIFTER	1	
12	240013	HOOK – REAR SIDE	2	
13	360924	HOOK – REAR CENTER [814]	1	
14	231765	BAR – SIDE HOOK	2	
15	360925	BAR – HOOK CENTER [815]	1	
16	240010	HANDLE – PAN LATCH	1	
17	240254	SUPPORT – PAN HANDLE LATCH	2	
18	159020	SPRING – TORSION	2	
19	248914	GUIDE – HANDLE LOCK	6	
20	240264	PAN – FEED DECK STAINLESS	1	
21	335912	FILLER – RH REAR CORNER WELDT	1	
22	335891	FILLER – LH REAR CORNER WELDT	1	
A	252291	SCREW – PAN HD M6 X 1 X 8-8.8-AA1J		
B	252051	NUT – TEE M6		
C	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	190752	BOLT – RHSN M8 X 1.25 X 30-8.8-AA1J		
F	184709	WASHER – FLAT LARGE M8-200HV		
G	184648	BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J		
H	136050	BOLT – RHSN M8 X 1.25 X 35-8.8-AA1J		
J	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
K	184711	WASHER – FLAT REG M10-200HV-AA1J		
L	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
M	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
N	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		

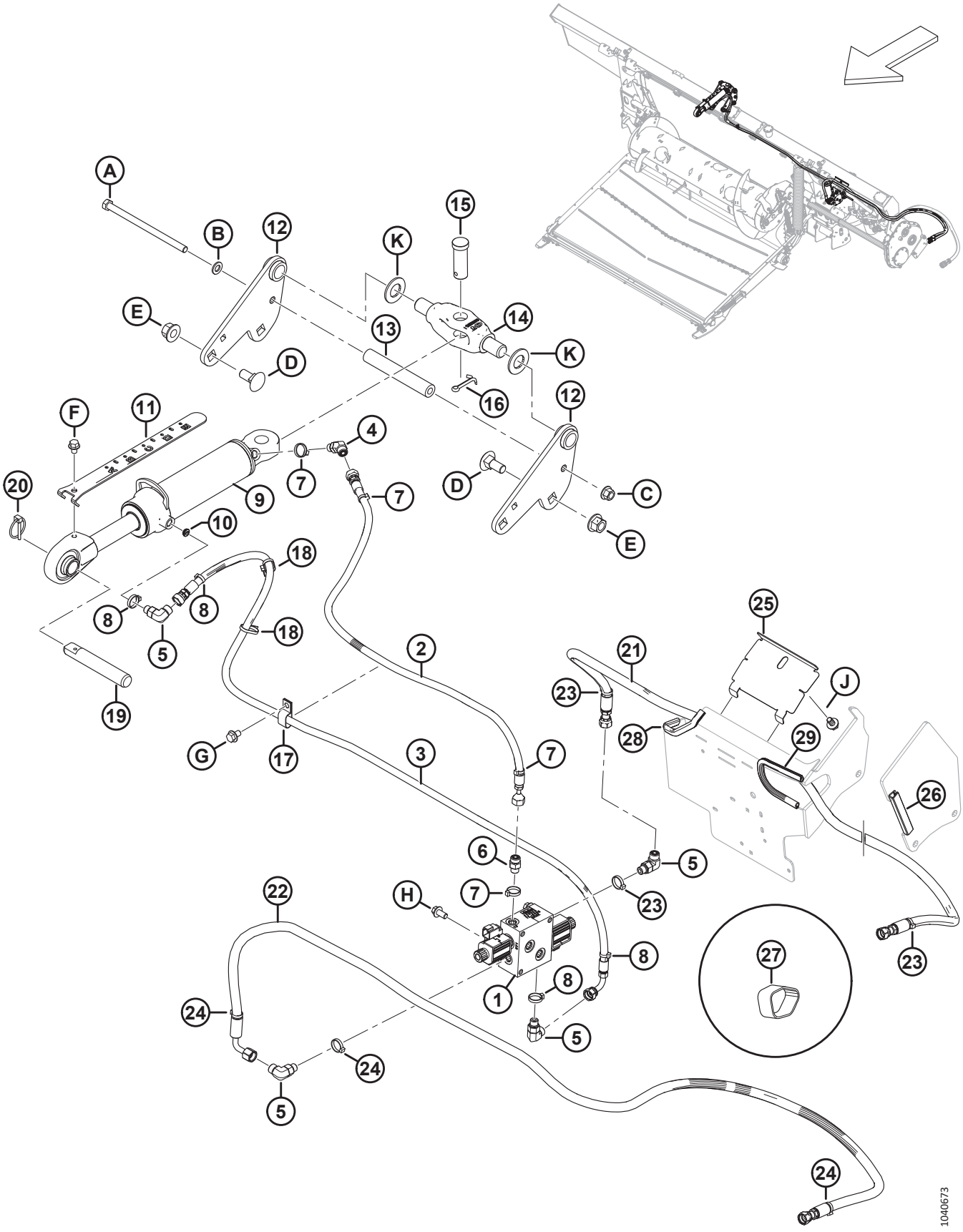
813. Feed deck pan (MD #276681) has been superseded by feed deck pan (MD #360927). Order pan (MD #276681) until stock is depleted, then order pan (MD #360927).
814. Rear center hook (MD #240012) has been superseded by rear center hook (MD #360924). Order hook (MD #240012) until stock is depleted, then order hook (MD #360924).
815. Center hook bar (MD #231766) has been superseded by center hook bar (MD #360925). Order bar (MD #231766) until stock is depleted, then order bar (MD #360925).

207 Hydraulics – Center-Link and Header Tilt / Reel Fore-Aft



Ref	Part Number	Description	Qty	Serial Number
1	322022	MANIFOLD – SELECTOR VALVE (SV) [816]	1	
	213363	MANIFOLD – SELECTOR VALVE (SV) [817]		
	287449	COIL – 12VDC - .625IN		
	287450	VALVE – POPPET		
	287451	SEAL KIT		
2	314417	HOSE – HYD, TILT FORE	1	
3	314416	HOSE – HYD, TILT AFT	1	
4	136144	FITTING – ELBOW 45° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
5	136095	FITTING – ELBOW 90° HYD	3	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
6	135778	FITTING – ADAPTER	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
7	40703	FASTENER – CABLE TIE, BLUE	4	
8	40704	FASTENER – CABLE TIE, ORANGE	4	
9	308658	CYLINDER – TOP LINK, 193 STROKE	1	
	123978	SEAL KIT		
10	252692	RESTRICTOR – #6 ORB X.035 IN.	1	
11	314292	INDICATOR – TILT, 193 STROKE	1	
12	314645	WELDMENT – TOP LINK ANCHOR	2	
13	301318	TUBE – SPACER	1	
14	187660	PIVOT – MACHINING	1	
15	135995	PIN – CLEVIS	1	
16	18609	PIN – COTTER 1/4 DIA X 2 ZP	1	
17	135234	CLAMP – DOUBLE HOSE INSULATED	1	
18	21763	FASTENER – CABLE TIE, BLACK	2	
19	313734	PIN – CENTER LINK	1	
20	102264	PIN – LYNCH 3/16 X 1 9/16 IN	1	
21	314397	HOSE – HYD, REEL FORE	1	
22	314399	HOSE – HYD, REEL AFT	1	
23	49227	FASTENER – CABLE TIE, GREEN	3	
24	40702	FASTENER – CABLE TIE, RED	3	
25	347949	PANEL – HOSE HOLDER	1	
26	254183	SEAL – EDGE TRIM [818]	A/R	

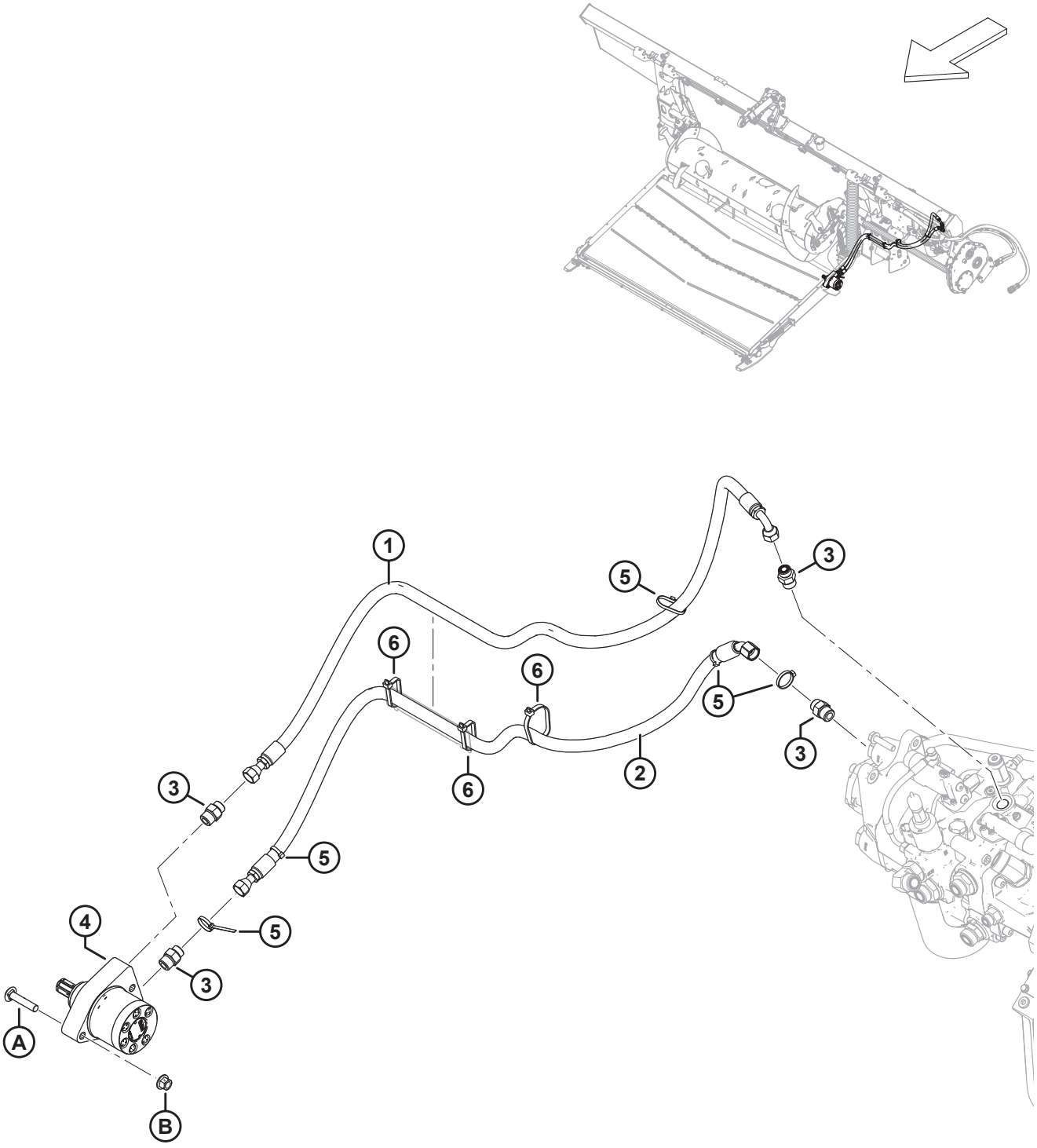
816. The manifold includes selector valve manifold (MD #213363), one adapter fitting (MD #135778), three 90° elbow fittings (MD #136095), blue fastener (MD #40703), orange fastener (MD #40704), red fastener (MD #40702), and green fastener (MD #49227).
817. The manifold includes two poppet valves (MD #287450) and two coils (MD #287449).
818. Edge trim seal (MD #254183) is a service part only for units with older float module frames as shown in the illustration.


1040673

Ref	Part Number	Description	Qty	Serial Number
27	295927	CINCH STRAP – 8 IN. LG [819]	1	
28	133136	MOULDING	1	
29	45427	MOULDING – RH	1	
A	152395	BOLT – HEX HD M12 X 1.75 X 200-10.9-AA3L		
B	184714	WASHER – FLAT REG M12-300HV		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136755	BOLT – RHSN M16 X 2 X 40-8.8-AA1J		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
F	30693	BOLT – HEX FLG HD SER 3/8-16 X .5 GR 5 - AA1J		
G	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
H	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
J	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
K	18603	WASHER – FLAT SAE 1 1/16 ID X 2.0 IN OD AA1J [820]		

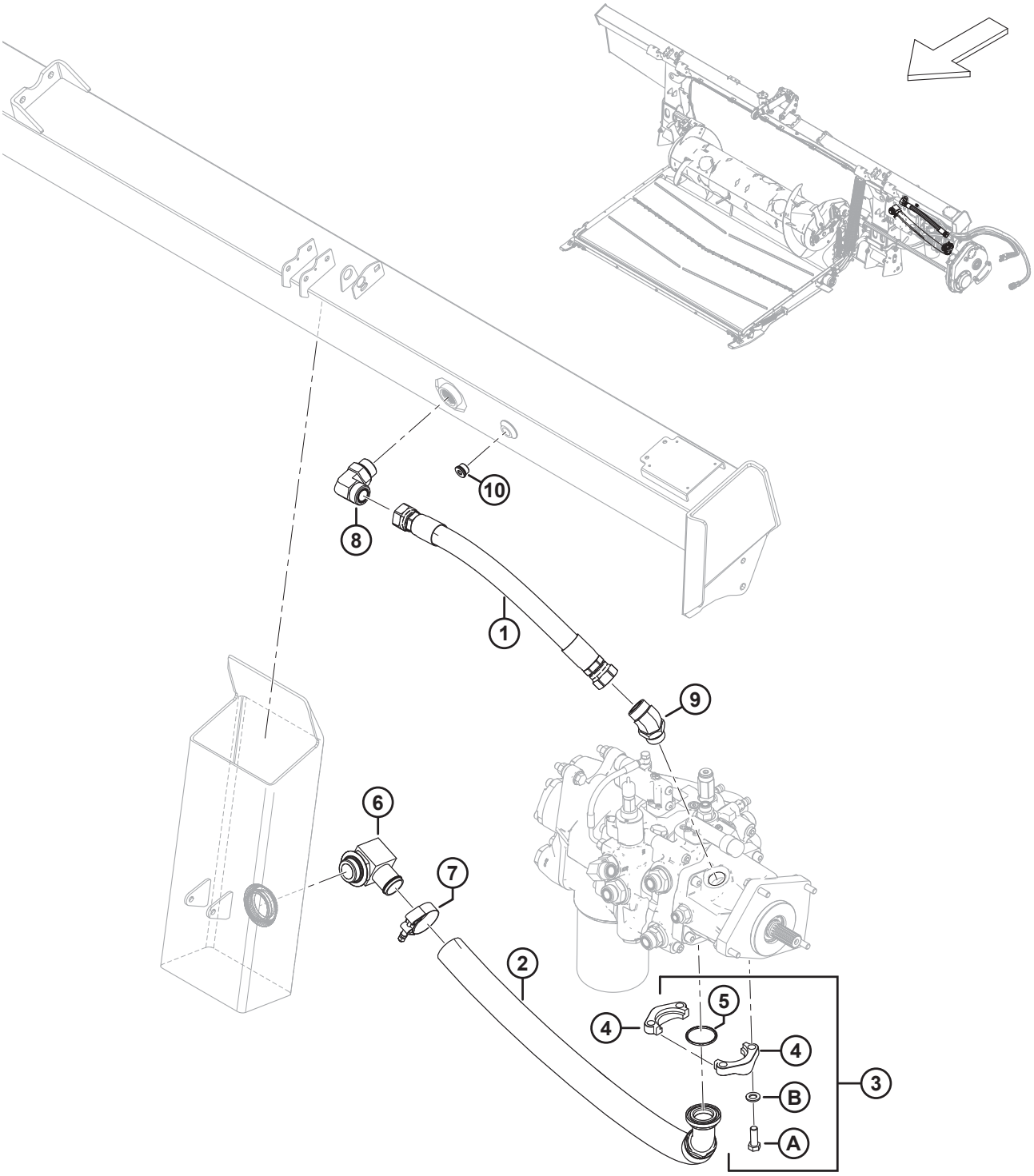
819. The cinch strap is used to protect reel fore-aft hoses (MD #314397, MD #314399).
820. Also used at the header end of the center-link on some model year 2022 and prior headers.

208 Hydraulics – Feed Deck (Integrated Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	314396	HOSE – HYD, FEED DRAPER RETURN	1	
2	314395	HOSE – HYD, FEED DRAPER PRESSURE	1	
3	184463	FITTING – ADAPTER HYD	4	
4	295853	MOTOR – HYD (FEED DECK)	1	
	245316	SEAL KIT		
5	21763	FASTENER – CABLE TIE, BLACK 160 MM LG	5	
6	30753	FASTENER – CABLE TIE, BLACK 305 MM LG	3	
A	136308	BOLT – RHSSN M12 X 1.75 X 60-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

209 Hydraulics – Suction and Return (Integrated Hydraulic System)

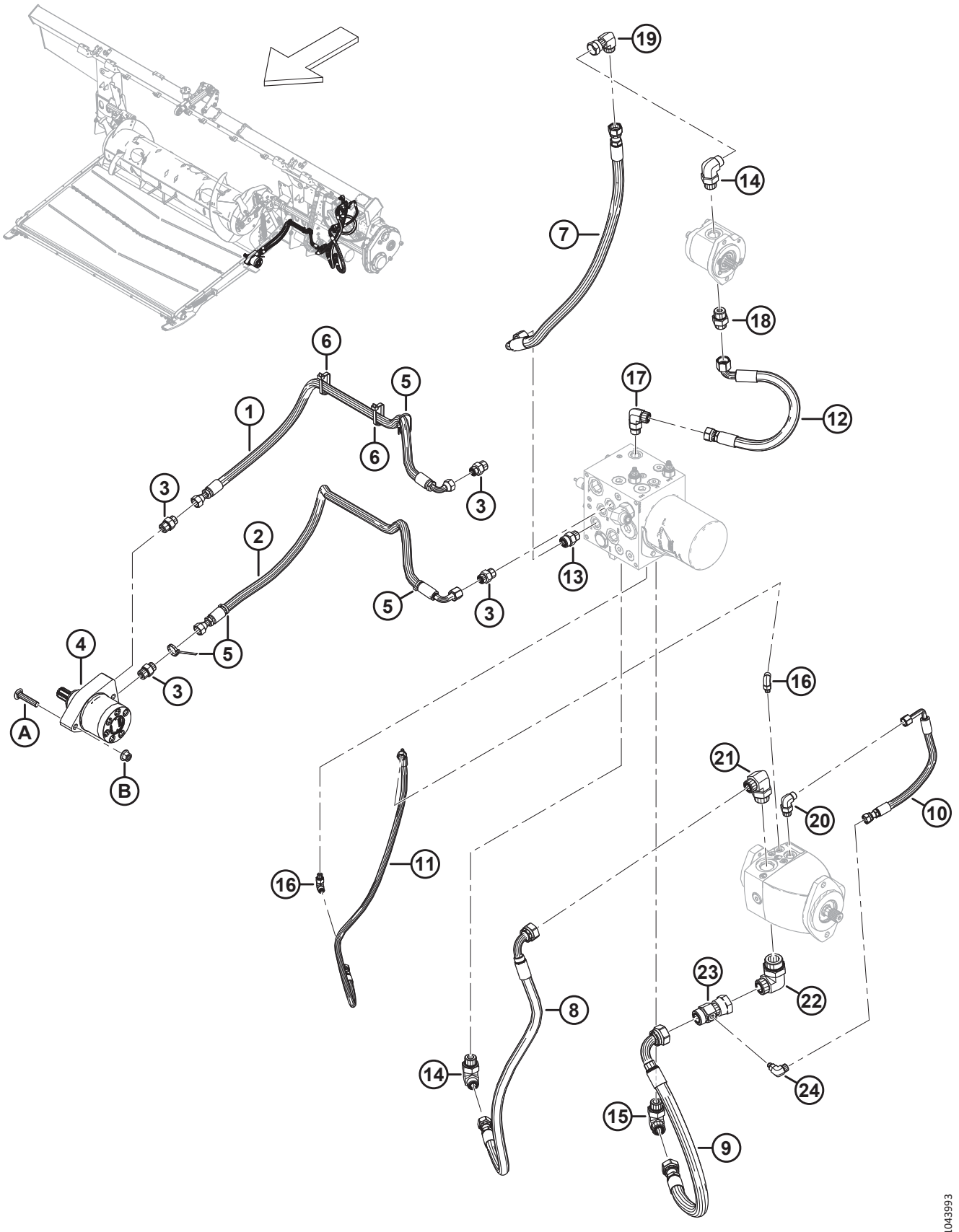


1044277

Ref	Part Number	Description	Qty	Serial Number
1	314402	HOSE – HYD, RETURN	1	
2	314389	HOSE – HYD, SUCTION	1	
3	314537	KIT – SPLIT FLANGE, 1.5 IN. CD61-1 [821]	1	
4	136106	FLANGE – HALF SPLIT 1.5 IN.	2	
5	135400	O-RING – 3.53 X 47.22	1	
6	111545	FITTING – ELBOW HYD HOSE ADAPTER	1	
7	245753	CLAMP – T BOLT	1	
8	135734	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – Ø2.95 X Ø29.74		
	135554	O-RING – 1.78 X 23.52		
9	252814	FITTING – ELBOW 45° HYD	1	
	135554	O-RING – 1.78 X 23.52		
	50220	O-RING – Ø2.95 X Ø29.74		
10	158174	FITTING – PLUG HYD 8 ORB HEX SOC [822]	1	
	44209	O-RING – 2.21 X 16.36		
A	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
B	184714	WASHER – FLAT REG M12-300HV		

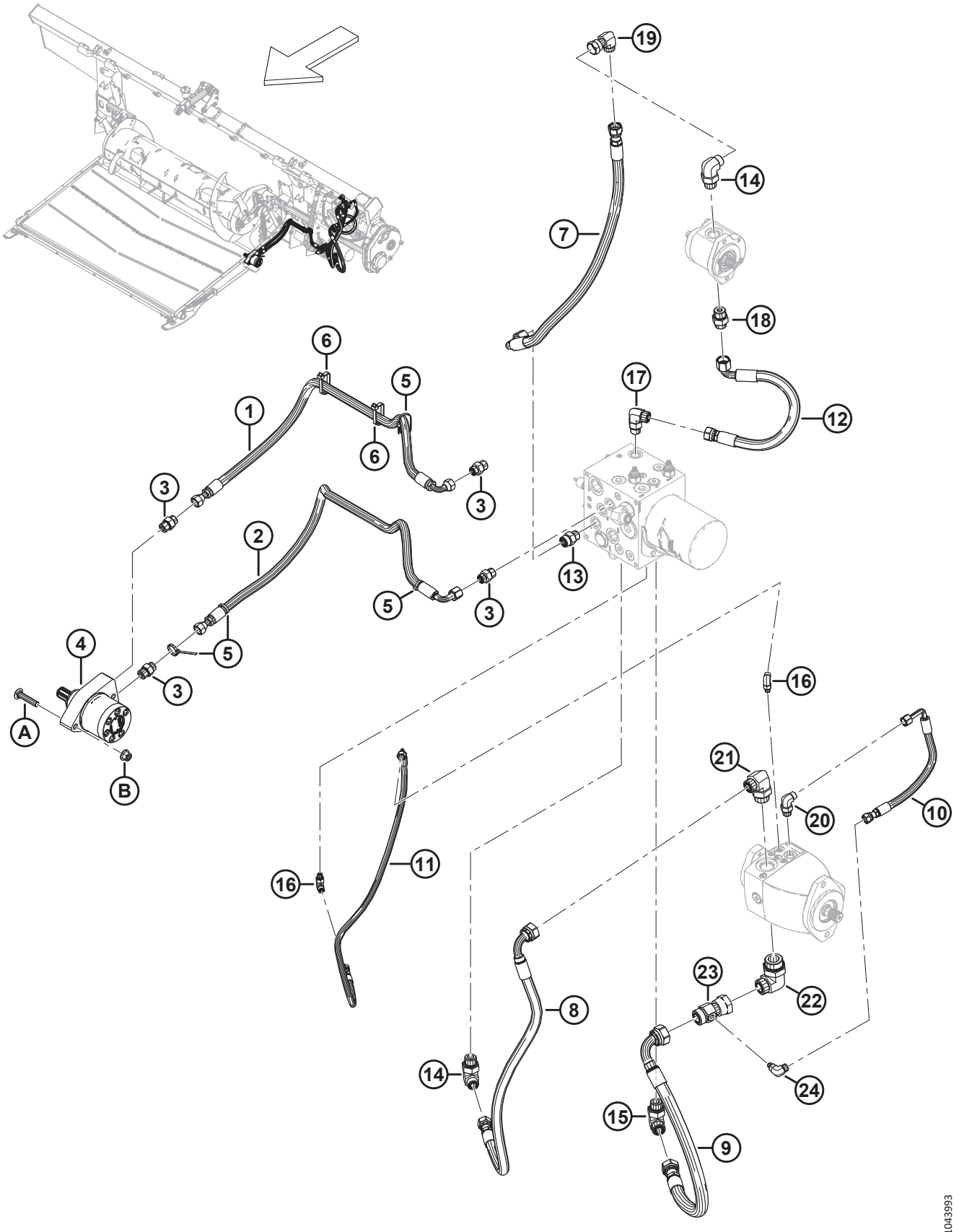
821. The kit includes two 1.5 inch half split flange (MD #136106), one O-ring (MD #135400), four bolts (MD #152730), and four washers (MD #184714).
822. Plug fitting (MD #158174) is used only for units with newer float module frames as shown in the illustration.

210 Hydraulics – Feed Deck (Modular Hydraulic System)



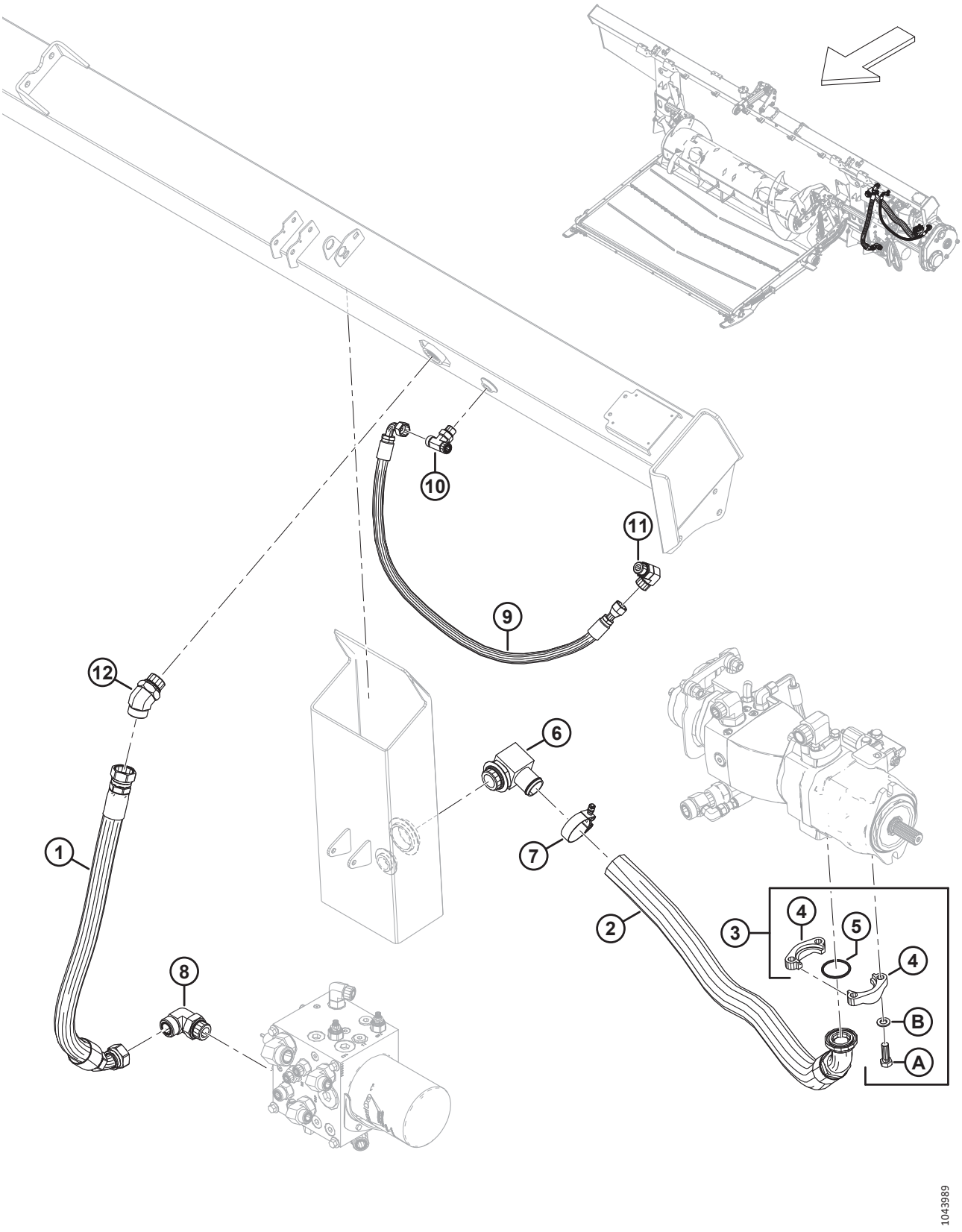
Ref	Part Number	Description	Qty	Serial Number
1	368675	HOSE – HYD, FEED DECK (1170 MM LG) [823]	1	
2	368674	HOSE – HYD, FEED DECK (1150 MM LG) [824]	1	
3	184463	FITTING – ADAPTER HYD	4	
4	295853	MOTOR – HYD (FEED DECK)	1	
	245316	SEAL KIT		
5	21763	FASTENER – CABLE TIE, BLACK 160 MM LG	4	
6	30753	FASTENER – CABLE TIE, BLACK 305 MM LG	2	
7	368677	HOSE – HYD	1	
8	368678	HOSE – HYD, DRAPER PRESSURE	1	
9	**368679**	**HOSE – HYD, DRAPER RETURN**	**1**	
10	368684	HOSE – HYD	1	
11	368685	HOSE – HYD	1	
12	368686	HOSE – HYD	1	
13	184461	FITTING – ADAPTER HYD	1	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
14	136347	FITTING – ELBOW 90° HYD	2	
	30971	O-RING – 2.95 X 23.47		
	135867	O-RING – 1.78 X 15.60		
15	135821	FITTING – ELBOW 90° HYD	1	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
16	136447	FITTING – ELBOW 90° HYD	2	
	50223	O-RING – 1.83 X 8.92		
	135957	O-RING – 1.78 X 7.65		
17	136089	FITTING – ELBOW 90° HYD	1	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
18	135786	FITTING – ADAPTER	1	
	30971	O-RING – 2.95 X 23.47		
	135867	O-RING – 1.78 X 15.60		
19	136846	FITTING – ELBOW 90° HYD	1	
	135867	O-RING – 1.78 X 15.60		
20	136149	FITTING – ELBOW 90°HYD	1	
	44209	O-RING – 2.21 X 16.36		
	135865	O-RING – 1.78 X 9.25		
21	135901	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – 2.95 X 29.74		
	135868	O-RING – 1.78 X 18.77		
22	136766	FITTING – ELBOW 90° HYD	1	
	50222	O-RING – 3.00 X 37.47		
	135554	O-RING – 1.78 X 23.52		

823. 1170 mm long hose.
824. 1150 mm long hose.


19
14
7
18
6
5
17
12
1
6
3
3
2
13
5
3
5
4
3
16
A
21
20
10
B
16
11
8
14
23
22
24
15
9
1043993

Ref	Part Number	Description	Qty	Serial Number
23	252554	FITTING – TEE HYD, GAUGE PORT	1	
	135868	O-RING – 1.78 X 18.77		
24	136337	FITTING – ELBOW 90° HYD	1	
	50223	O-RING – 1.83 X 8.92		
	135865	O-RING – 1.78 X 9.25		
A	136308	BOLT – RHSSN M12 X 1.75 X 60-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

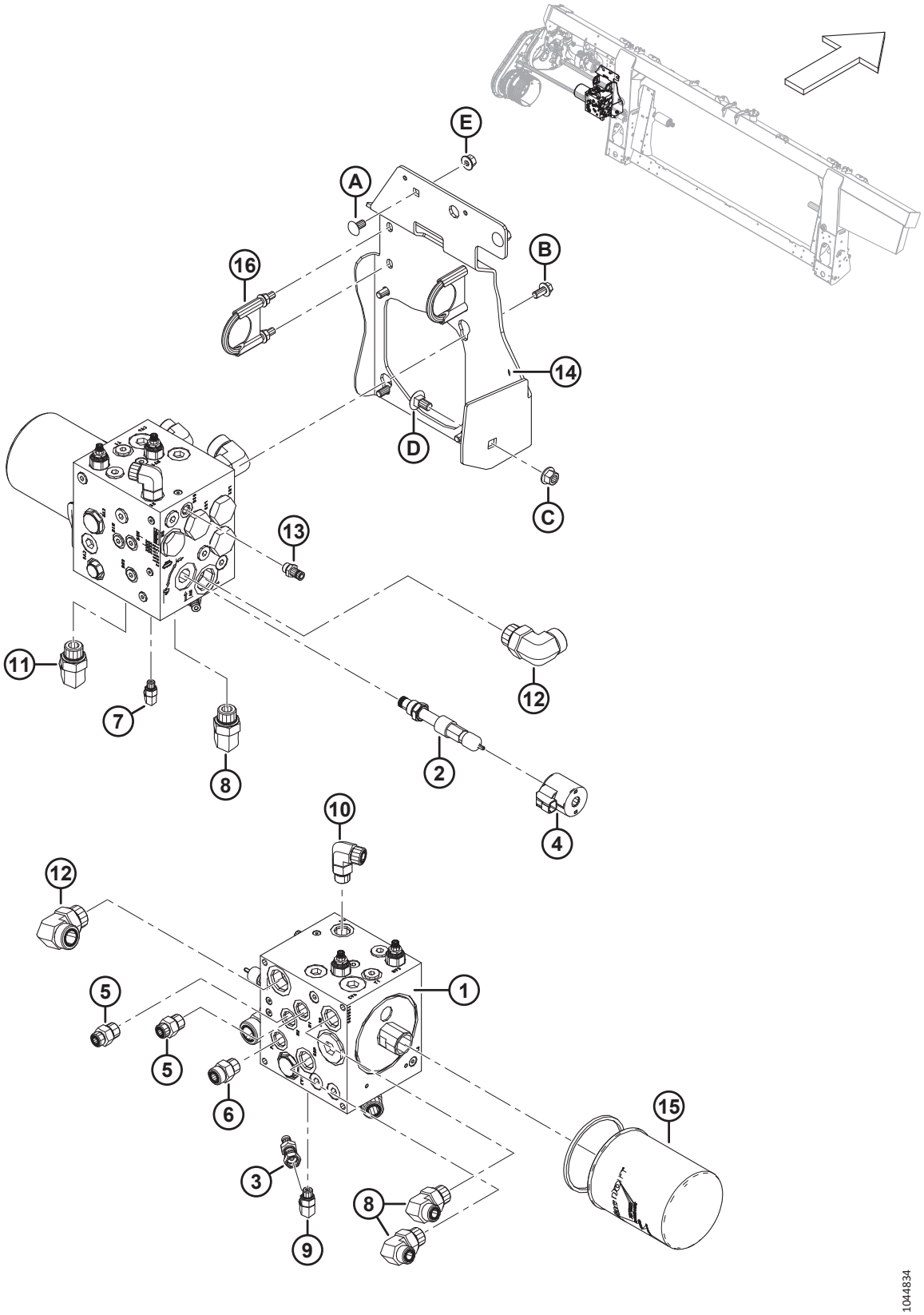
211 Hydraulics – Suction and Return (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	368673	HOSE – HYD	1	
2	314389	HOSE – HYD, SUCTION	1	
3	136246	KIT – SPLIT FLANGE, 1.5 IN. CD61-1 [825]	1	
4	136106	FLANGE – HALF SPLIT 1.5 IN.	2	
5	135400	O-RING – 3.53 X 47.22	1	
6	111545	FITTING – ELBOW HYD HOSE ADAPTER	1	
	136483	O-RING – 3 X 43.69		
7	245753	CLAMP – T BOLT	1	
8	135734	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – 2.95 X 29.74		
	135554	O-RING – 1.78 X 23.52		
9	378372	HOSE – HYD, KNIFE CASE DRAIN	1	
10	136684	FITTING – TEE HYD	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
11	136089	FITTING – ELBOW 90° HYD	1	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
12	252814	FITTING – ELBOW 45° HYD	1	
	50220	O-RING – 2.95 X 29.74		
	135554	O-RING – 1.78 X 23.52		
A	252641	BOLT – HEX HD 1/2-13 X 1.5-GR8-AA3L		
B	184714	WASHER – FLAT REG M12-300HV		

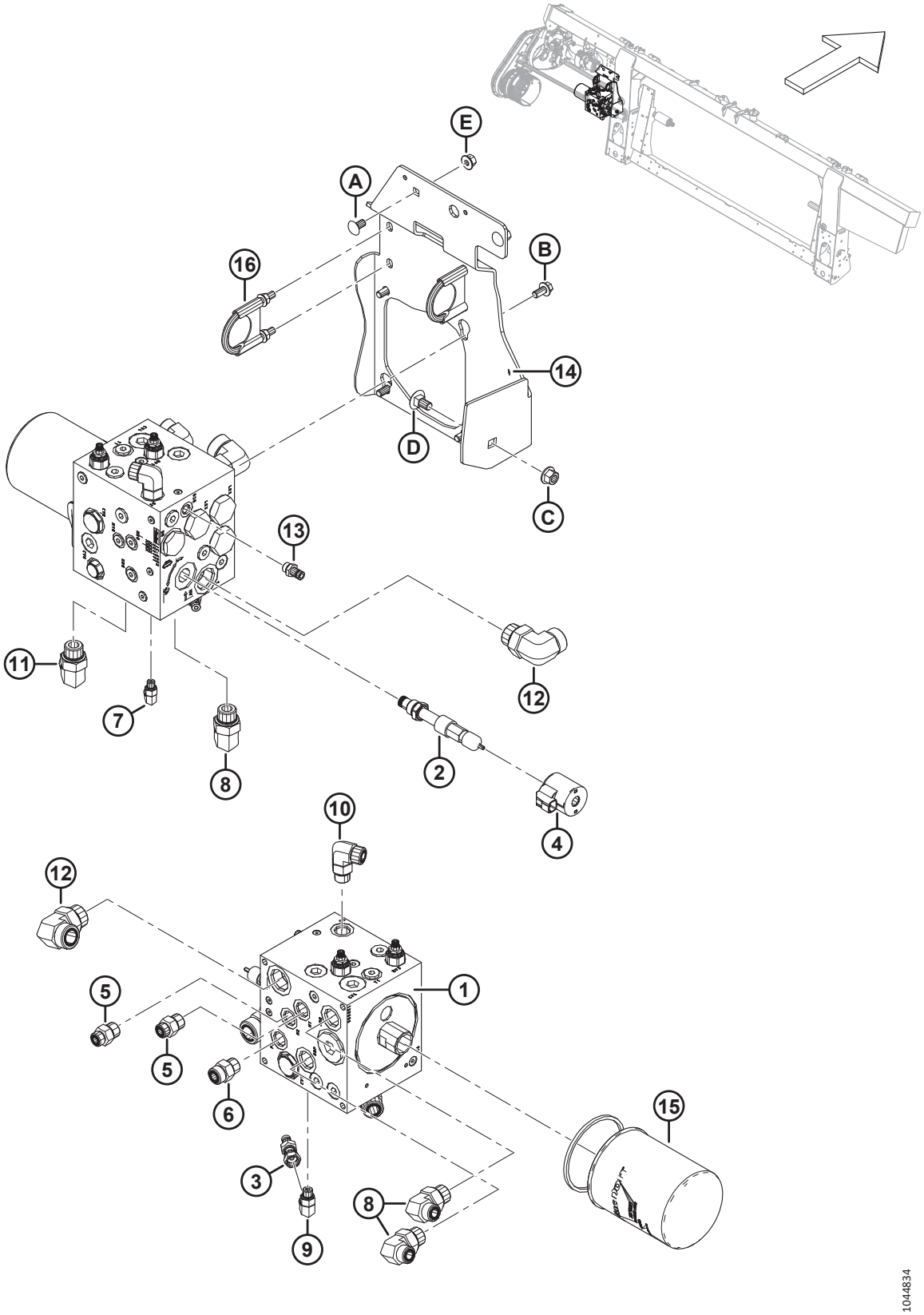
825. The kit includes two 1.5 inch half split flange (MD #136106), O-ring (MD #135400), four bolts (MD #252641), and four washers (MD #184714).

212 Hydraulics – Drives and Float Module Manifold (Modular Hydraulic System)



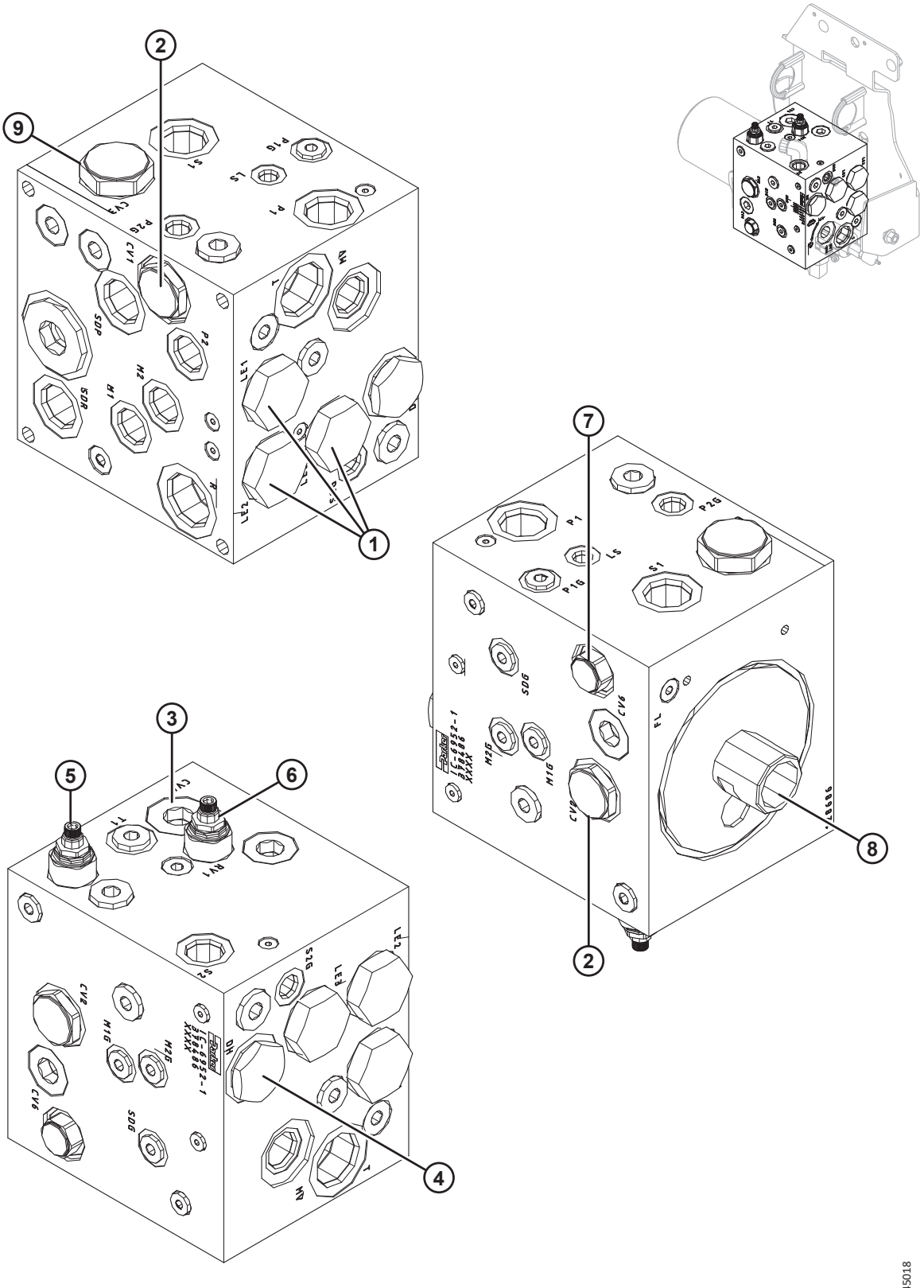
Ref	Part Number	Description	Qty	Serial Number
1	**378873**	**ASSEMBLY – MANIFOLD, DRIVE** [826]	**1**	
2	276631	VALVE – FLOW CONTROL	1	
	220908	SEAL KIT		
3	252662	FITTING – NIPPLE HYD	1	
4	209045	COIL – SOLENOID	1	
5	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – 2.46 X 19.18		
	135866	O-RING – 1.78 X 12.42		
6	184461	FITTING – ADAPTER HYD	1	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
7	136447	FITTING – ELBOW 90° HYD	1	
	50223	O-RING – 1.83 X 8.92		
	135957	O-RING – 1.78 X 7.65		
8	136347	FITTING – ELBOW 90° HYD	3	
	135867	O-RING – 1.78 X 15.60		
	30971	O-RING – 2.95 X 23.47		
9	136095	FITTING – ELBOW 90° HYD	1	
	135865	O-RING – 1.78 X 9.25		
	50219	O-RING – 1.98 X 11.89		
10	136089	FITTING – ELBOW 90° HYD	1	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
11	135821	FITTING – ELBOW 90° HYD	1	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
12	135734	FITTING – ELBOW 90° HYD	2	
	50220	O-RING – 2.95 X 29.74		
	135554	O-RING – 1.78 X 23.52		
13	135587	NIPPLE – HYDRAULIC	1	
	50219	O-RING – 1.98 X 11.89		
14	323996	BRACKET – MANIFOLD SUPPORT	1	
15	320360	FILTER – HYD C/W 2X SEALS [827]	1	
16	136109	CLAMP – U-BOLT [828]	2	
	287702	DECAL – FLOAT LOCK, LH [829]	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

826. For service parts, refer to Section *213 Hydraulics – Drive Manifold Assembly, Service Parts (Modular Hydraulic System), page 537*.
827. The filter includes one filter element (NSS), seals (NSS), and instructions.
828. Includes two lock nuts.
829. This decal is attached to the manifold support bracket. For float module decals, refer to Section *221 Decals and Reflectors – FM200, page 561*.


E
A
16
B
14
D
C
13
11
12
7
8
2
4
10
12
1
5
5
6
15
3
8
9
1044834

Ref	Part Number	Description	Qty	Serial Number
D	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

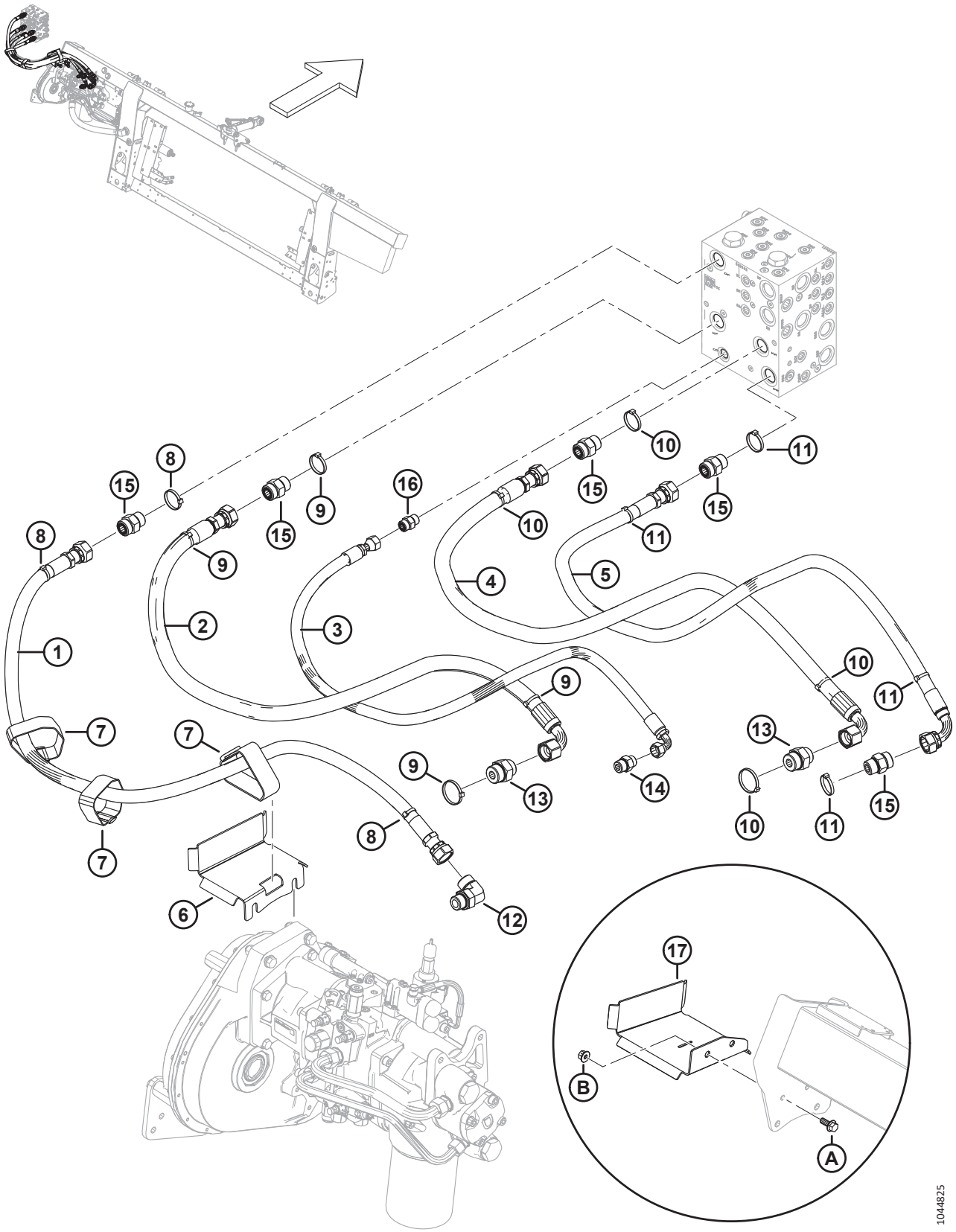
213 Hydraulics – Drive Manifold Assembly, Service Parts (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
	378873	**ASSEMBLY – MANIFOLD, DRIVE** [830]		
1	287466	VALVE – LOGIC ELEMENT-16 (LE1, LE2, LE3) [831]	3	
	220963	SEAL KIT		
2	287467	VALVE – VENTED CHECK-12 (CV1, CV2) [832]	2	
	220965	SEAL KIT		
3	287468	VALVE – BYPASS, 25 PSI (CV4) [833]	1	
4	287469	VALVE – DIVERTER (DH) [834]	1	
	287473	SEAL KIT		
5	220951	VALVE – P.O. RELIEF, 2500 PSI (RV2) [835]	1	
	220960	SEAL KIT		
6	287613	VALVE – RELIEF, 1500 PSI (RV1) [836]	1	
	220960	SEAL KIT		
7	287471	VALVE – CHECK-08 (CV6) [837]	1	
	220965	SEAL KIT		
8	245160	FITTING – FILTER ADAPTER	1	
9	287472	VALVE – CHECK REG-16, 8 PSI (CV3) [838]	1	
	220961	SEAL KIT		

830. Refer to Section *212 Hydraulics – Drives and Float Module Manifold (Modular Hydraulic System), page 533*.
831. Valve connects to ports LE1, LE2, and LE3.
832. Valve connects to ports CV1 and CV2.
833. Bypass valve (MD #287468) is located underneath plug. Valve connects to port CV4.
834. Valve connects to port DH.
835. Valve connects to port RV2.
836. Valve connects to port RV1.
837. Valve connects to port CV6.
838. Valve connects to port CV3.

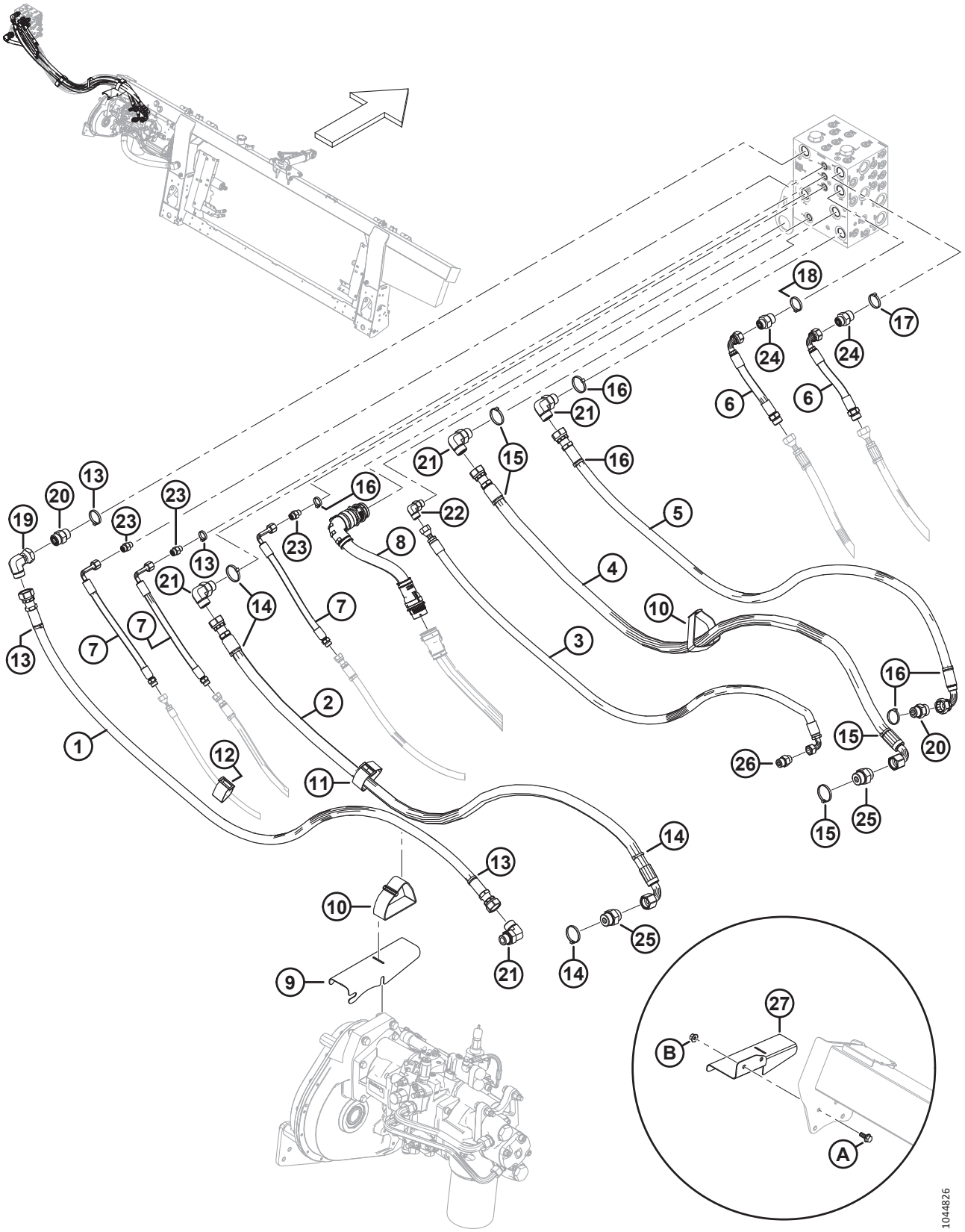
214 Hydraulics – Double Reel, Float Module to Header Manifold (Integrated Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	322256	HOSE – HYD, SDP	1	
2	314391	HOSE – HYD, KP	1	
3	314401	HOSE – HYD, CD	1	
4	314392	HOSE – HYD, KR	1	
5	314394	HOSE – HYD, SDR	1	
6	335887	HOLDER – HOSE **(SERVICE ONLY)** [839]	**A/R**	
7	347979	CINCH STRAP – 16 IN. LG	3	
8	49227	FASTENER – CABLE TIE, GREEN	3	
9	40704	FASTENER – CABLE TIE, ORANGE	4	
10	40703	FASTENER – CABLE TIE, BLUE	4	
11	40702	FASTENER – CABLE TIE, RED	4	
12	135821	FITTING – ELBOW 90° HYD	1	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
13	135789	FITTING – ADAPTER	2	
	50220	O-RING – Ø2.95 X Ø29.74		
	135868	O-RING – Ø1.78 X Ø18.77		
14	184463	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
15	135788	FITTING – ADAPTER	5	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
16	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
17	**378525**	**HOLDER – HOSE** [840]	**1**	
A	**135783**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J**		
B	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		

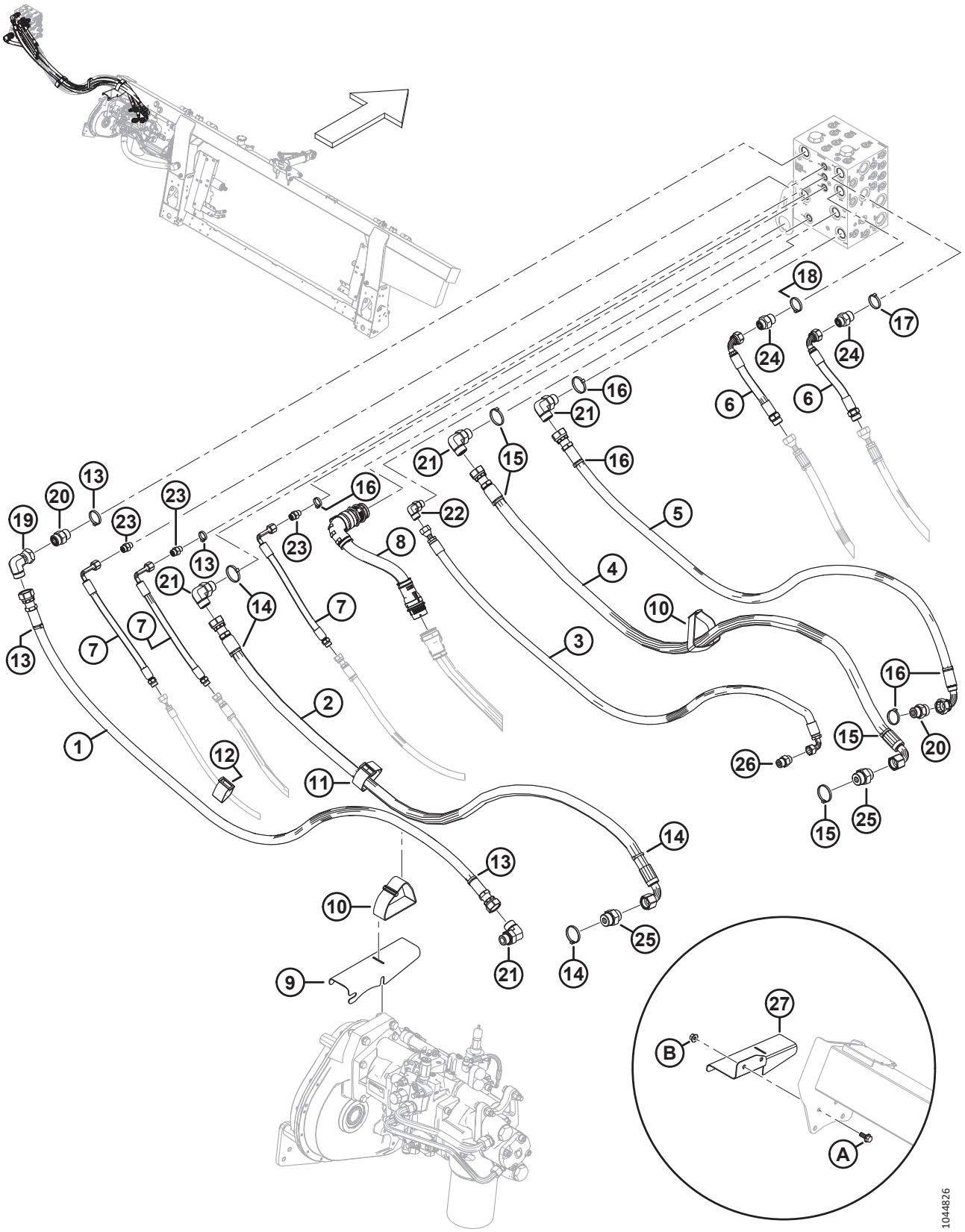
839. Hose holder (MD #335887) is used to service units with older float module frames only and is secured to the float module gearbox. Units with newer float module frames use hose holder (MD #378525), which is secured to the float module frame with bolts (MD #135783) and nuts (MD #135799).
840. Hose holder (MD #378525) is used to service units with newer float module frames.

215 Hydraulics – Triple Reel, Float Module to Header Manifold (Integrated Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	314593	HOSE – HYD, SDP WIDE	1	
2	314591	HOSE – HYD, KP WIDE	1	
3	314595	HOSE – HYD, CD WIDE	1	
4	314592	HOSE – HYD, KR WIDE	1	
5	314594	HOSE – HYD, SDR WIDE	1	
6	314606	HOSE – HYD, REEL DRIVE EXT	2	
7	314605	HOSE – HYD, REEL F/A/L EXT	3	
8	335133	HARNESS – WIDE FRAME EXT	1	
9	314697	SUPPORT – HOSE **(SERVICE ONLY)** [841]	**A/R**	
10	347979	CINCH STRAP – 16 IN. LG	2	
11	295927	CINCH STRAP – 8 IN. LG	1	
12	135444	CINCH STRAP – 6 IN. LG	1	
13	49227	FASTENER – CABLE TIE, GREEN	4	
14	40704	FASTENER – CABLE TIE, ORANGE	2	
15	40703	FASTENER – CABLE TIE, BLUE	2	
16	40702	FASTENER – CABLE TIE, RED	5	
17	49232	FASTENER – CABLE TIE, WHITE	1	
18	40701	FASTENER – CABLE TIE, YELLOW	1	
19	135888	FITTING – ELBOW 90° HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
20	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
21	135821	FITTING – ELBOW 90° HYD	4	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
22	136220	FITTING – ELBOW 90° HYD	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
23	135778	FITTING – ADAPTER	3	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
24	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
25	135789	FITTING – ADAPTER	2	
	50220	O-RING – Ø2.95 X Ø29.74		
	135868	O-RING – Ø1.78 X Ø18.77		

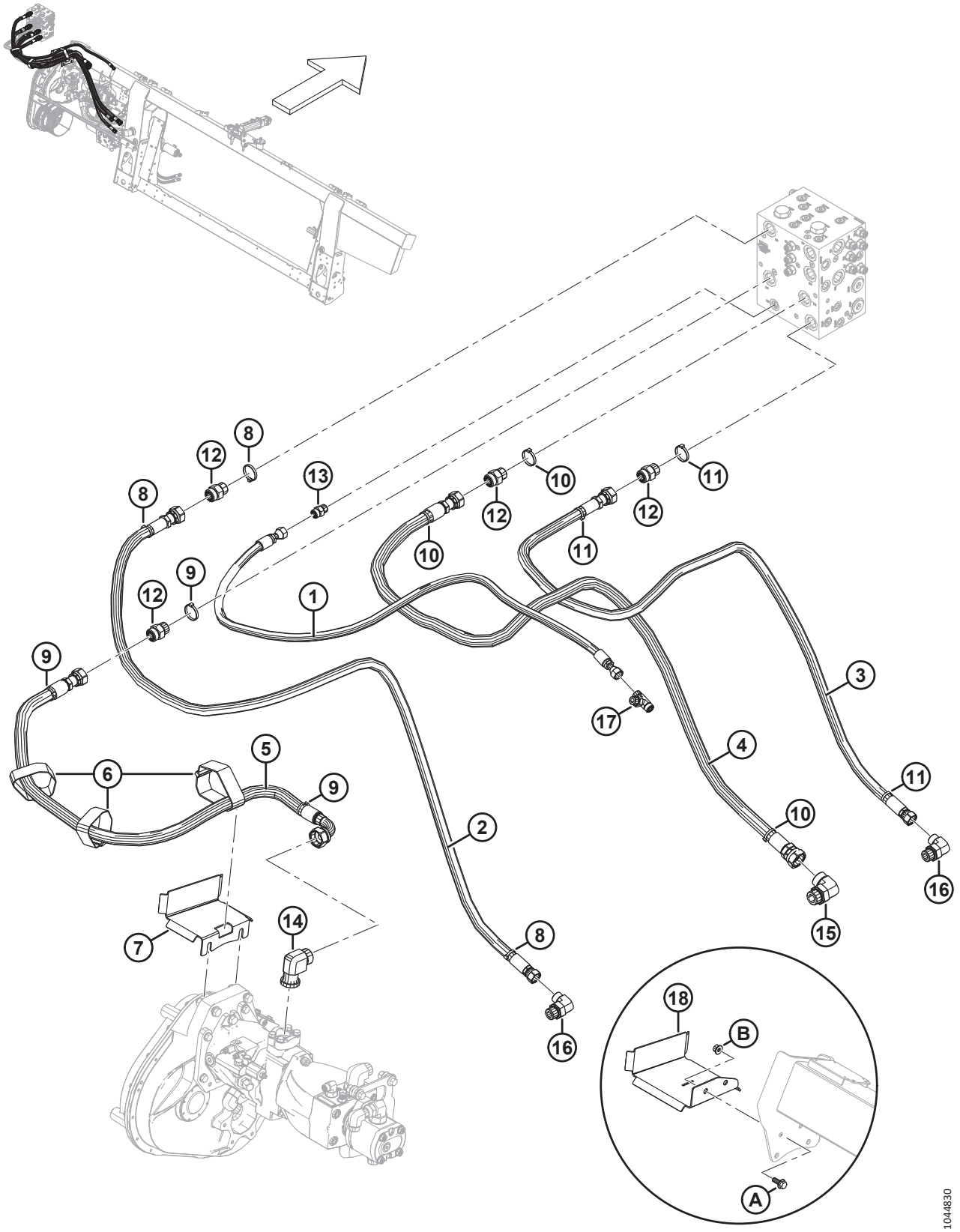
841. Hose support (MD #314697) is used to service units with older float module frames only and is secured to the float module gearbox. Units with newer float module frames use hose holder (MD #368569), which is secured to the float module frame with bolts (MD #135783) and nuts (MD #135799).


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
A
B
1044826

Ref	Part Number	Description	Qty	Serial Number
26	184463	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
27	**368569**	**SUPPORT – HOSE** [842]	**1**	
A	**135783**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J**		
B	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		

842. Hose support (MD #368569) is used to service units with newer float module frames.

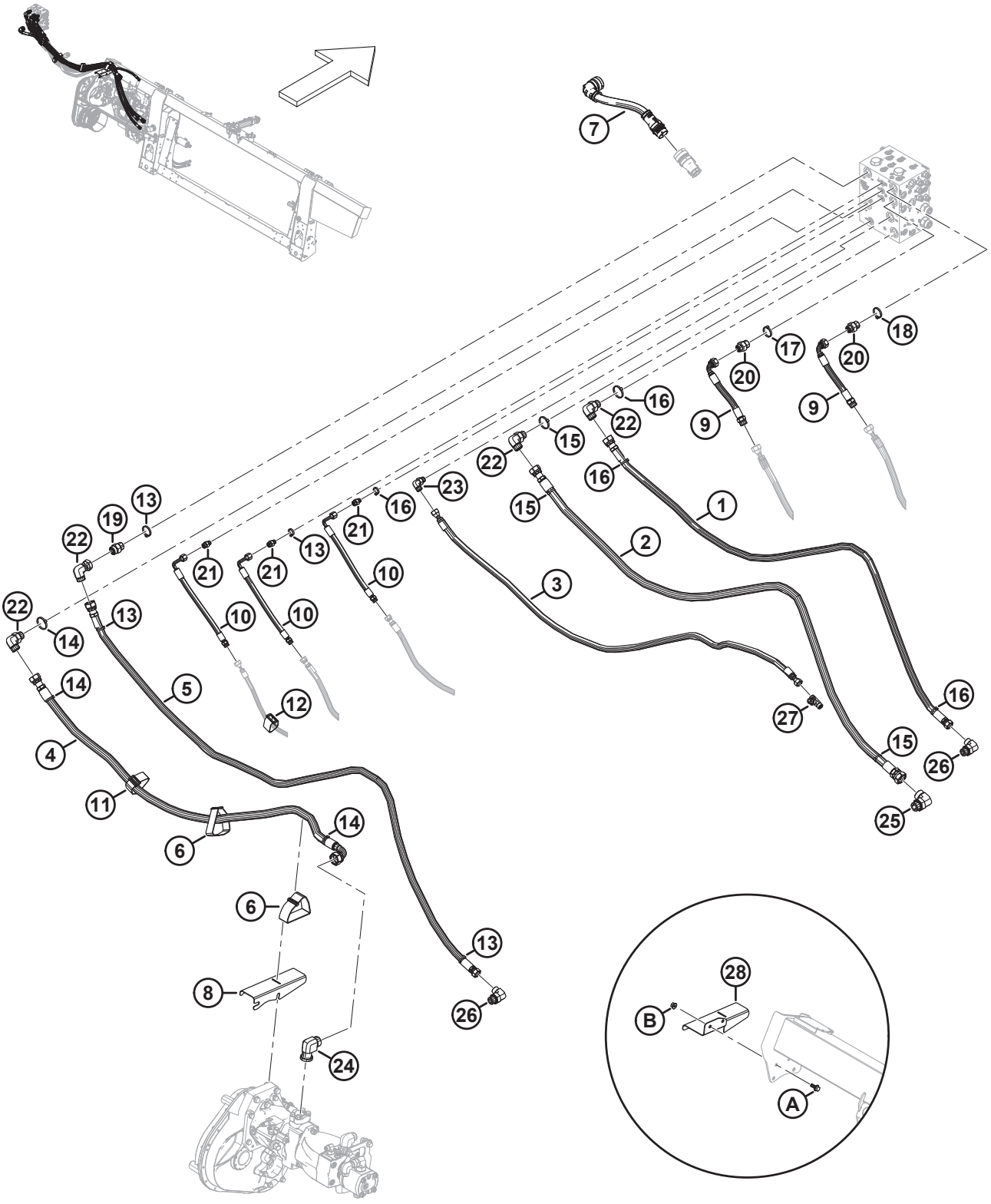
216 Hydraulics – Double Reel, Float Module to Header Manifold (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	378373	HOSE – HYD, CASE DRAIN	1	
2	368692	HOSE – HYD, SDP	1	
3	368691	HOSE – HYD, SDR	1	
4	368690	HOSE – HYD, KNIFE RETURN	1	
5	368689	HOSE – HYD, KNIFE PRESSURE	1	
6	347979	CINCH STRAP – 16 IN. LG	3	
7	**335887**	**HOLDER – HOSE (SERVICE ONLY)** [843]	**A/R**	
8	49227	FASTENER – CABLE TIE, GREEN	3	
9	40704	FASTENER – CABLE TIE, ORANGE	3	
10	40703	FASTENER – CABLE TIE, BLUE	3	
11	40702	FASTENER – CABLE TIE, RED	3	
12	135788	FITTING – ADAPTER	4	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
13	135780	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
14	252208	FITTING – 90° 16-16 CODE61-ORFS	1	
	112868	O-RING – 3.53 X 32.92		
	135554	O-RING – 1.78 X 23.52		
15	135734	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – 2.95 X 29.74		
	135554	O-RING – 1.78 X 23.52		
16	136347	FITTING – ELBOW 90° HYD	2	
	30971	O-RING – 2.95 X 23.47		
	135867	O-RING – 1.78 X 15.60		
17	136684	FITTING – TEE HYD	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
18	**378525**	**HOLDER – HOSE** [844]	**1**	
A	**135783**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J**		
B	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		

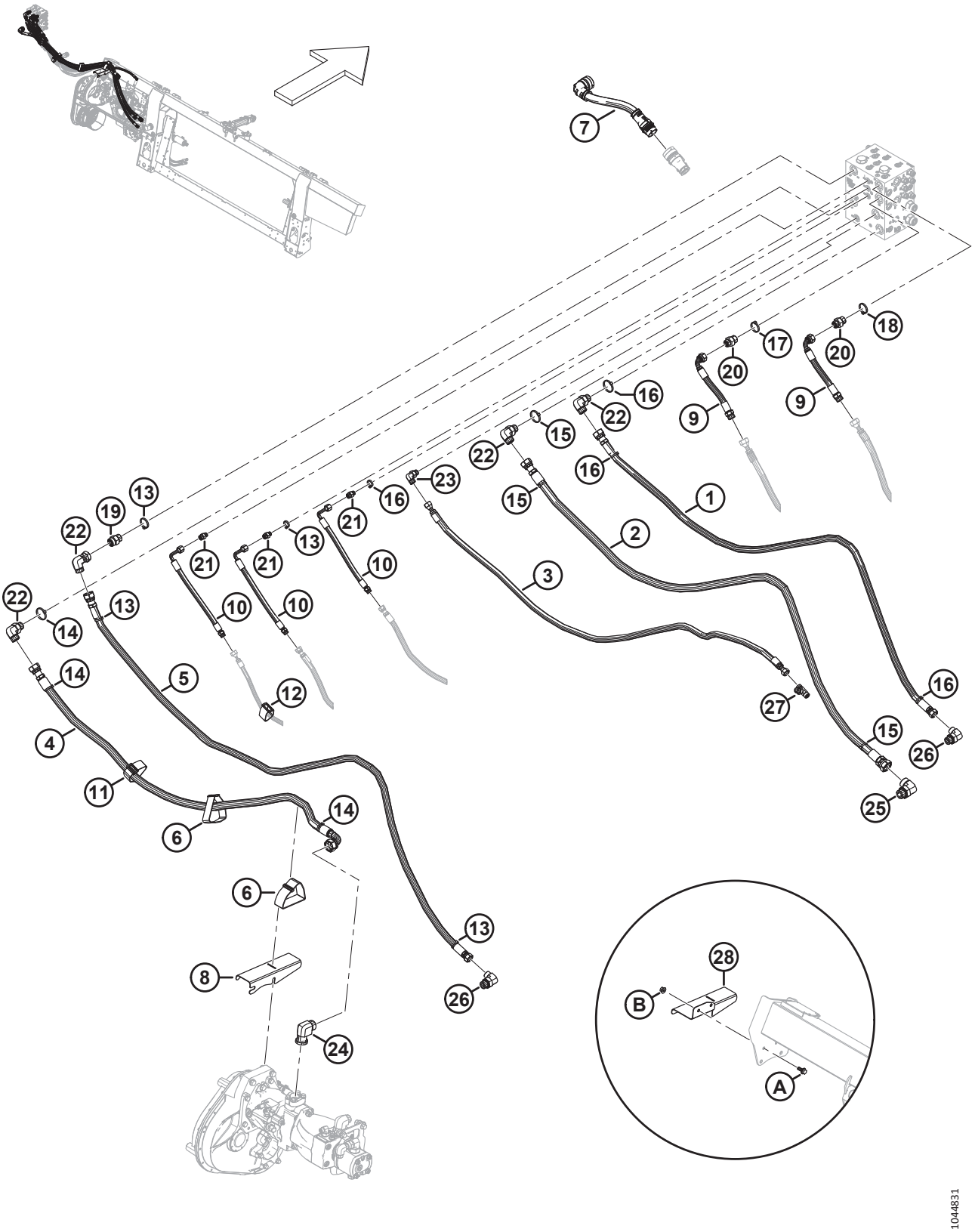
843. Hose holder (MD #335887) is used to service units with older float module frames only and is secured to the float module gearbox. Units with newer float module frames use hose holder (MD #378525), which is secured to the float module frame with bolts (MD #135783) and nuts (MD #135799).
844. Hose holder (MD #378525) is used to service units with newer float module frames.

217 Hydraulics – Triple Reel, Float Module to Header Manifold (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
1	378254	HOSE – HYD, SDR	1	
2	378253	HOSE – HYD, KNIFE RETURN	1	
3	378252	HOSE – HYD, CD	1	
4	378251	HOSE – HYD, KNIFE PRESSURE	1	
5	378250	HOSE – HYD, SDP	1	
6	347979	CINCH STRAP – 16 IN. LG	2	
7	335133	HARNESS – WIDE FRAME EXT	1	
8	**314697**	**SUPPORT – HOSE (SERVICE ONLY)** [845]	**A/R**	
9	314606	HOSE – HYD, REEL DRIVE EXT	2	
10	314605	HOSE – HYD, REEL F/A/L EXT	3	
11	295927	CINCH STRAP – 8 IN. LG	1	
12	135444	CINCH STRAP – 6 IN. LG	1	
13	49227	FASTENER – CABLE TIE, GREEN	4	
14	40704	FASTENER – CABLE TIE, ORANGE	3	
15	40703	FASTENER – CABLE TIE, BLUE	3	
16	40702	FASTENER – CABLE TIE, RED	4	
17	40701	FASTENER – CABLE TIE, YELLOW	1	
18	49232	FASTENER – CABLE TIE, WHITE	1	
19	135788	FITTING – ADAPTER	1	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
20	135786	FITTING – ADAPTER	2	
	30971	O-RING – 2.95 X 23.47		
	135867	O-RING – 1.78 X 15.60		
21	135778	FITTING – ADAPTER	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
22	135821	FITTING – ELBOW 90° HYD	3	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
23	136220	FITTING – ELBOW 90° HYD	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
24	252208	FITTING – 90° 16-16 CODE61-ORFS	1	
	112868	O-RING – 3.53 X 32.92		
	135554	O-RING – 1.78 X 23.52		
25	135734	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – 2.95 X 29.74		
	135554	O-RING – 1.78 X 23.52		

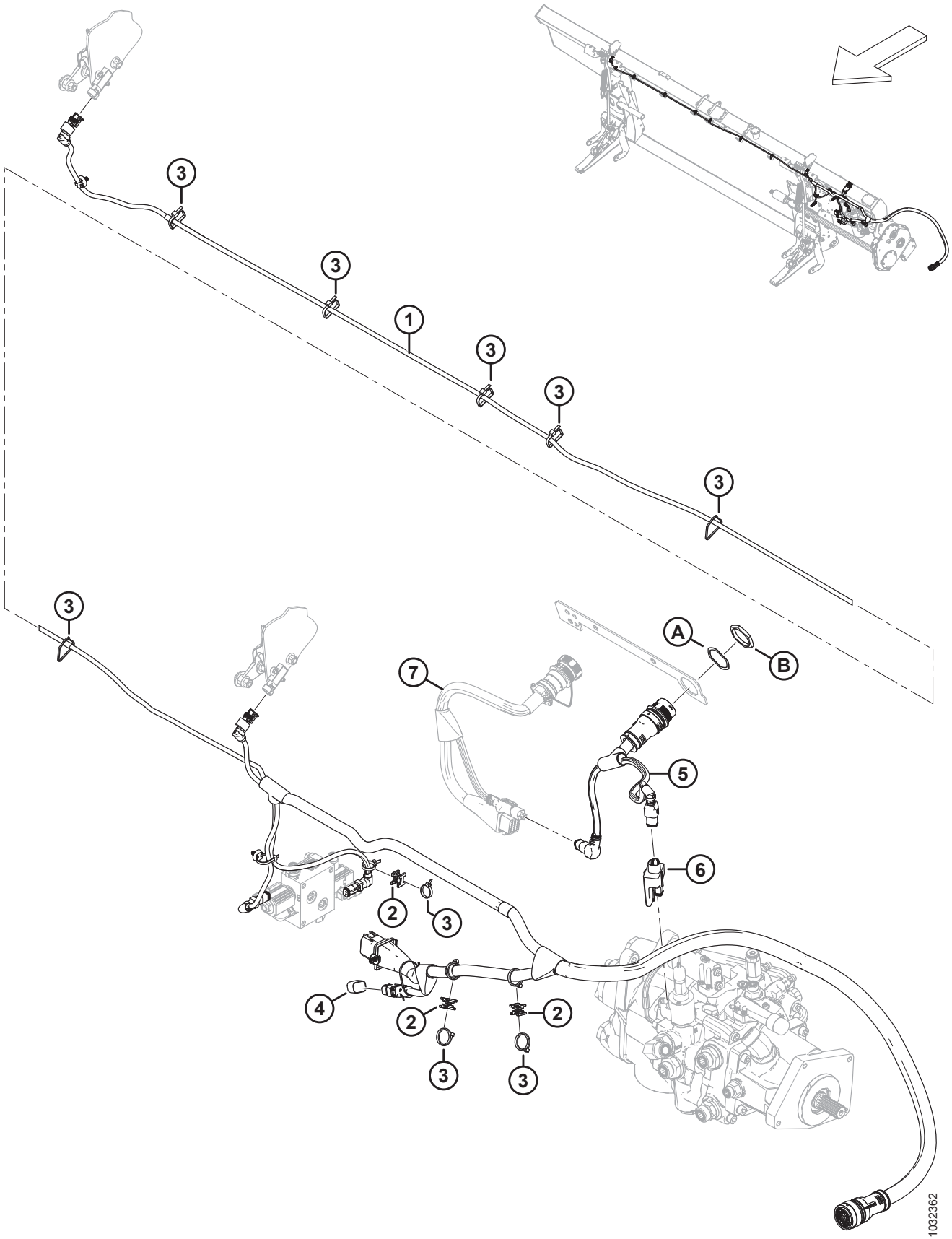
845. Hose support (MD #314697) is used to service units with older float module frames and is secured to the float module gearbox. Units with newer float module frames use hose holder (MD #368569), which is secured to the float module frame with bolts (MD #135783) and nuts (MD #135799).


7
18
17
20
20
16
22
9
9
15
22
16
23
16
1
22
19
13
21
21
13
21
10
2
22
13
21
10
10
3
14
5
12
27
16
14
15
4
26
11
25
14
6
6
13
8
28
B
26
24
A
1044831

Ref	Part Number	Description	Qty	Serial Number
26	136347	FITTING – ELBOW 90° HYD	2	
	30971	O-RING – 2.95 X 23.47		
	135867	O-RING – 1.78 X 15.60		
27	136684	FITTING – TEE HYD	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
28	**368569**	**SUPPORT – HOSE** [846]	**1**	
A	**135783**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J**		
B	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		

846. Hose support (MD #368569) is used to service units with newer float module frames.

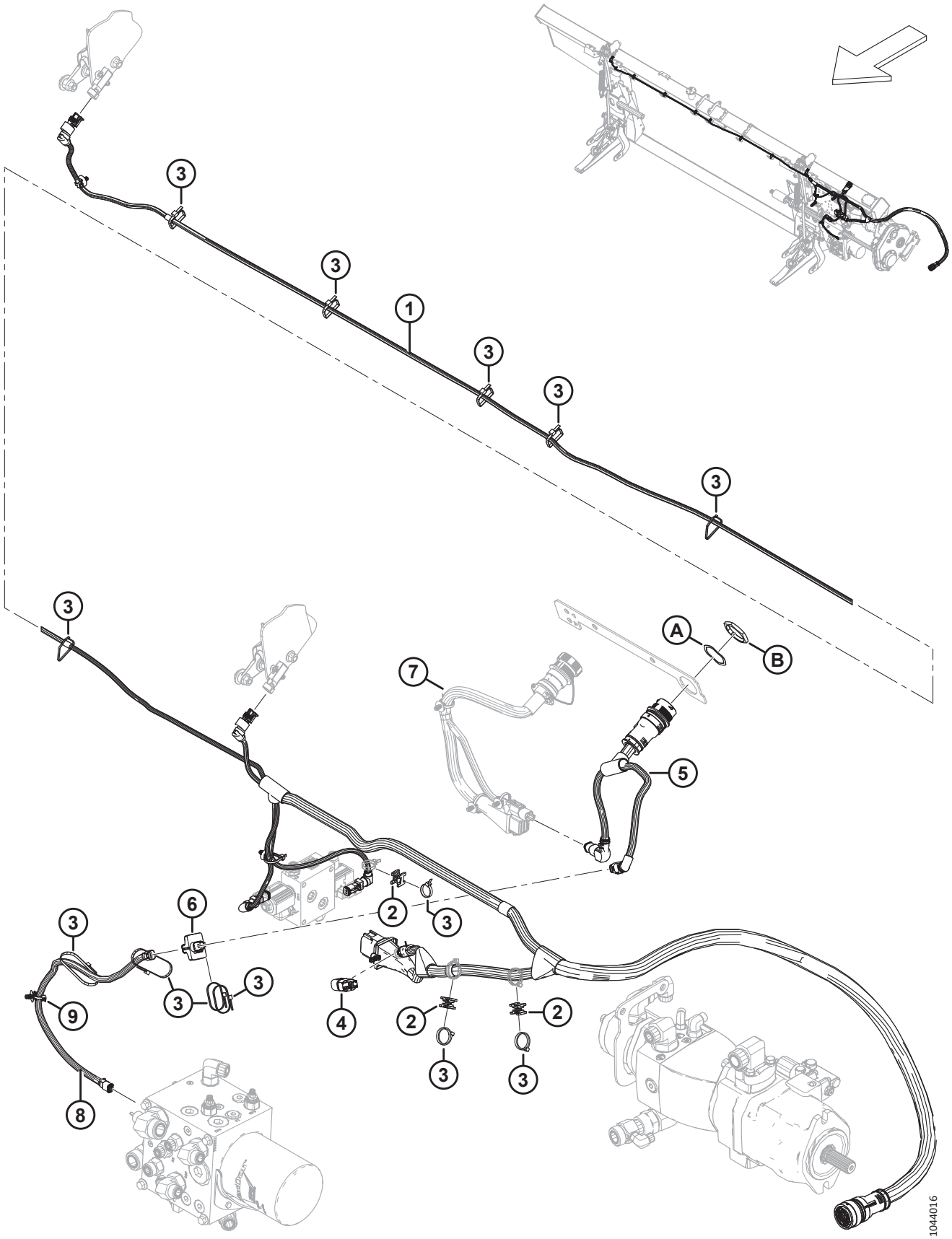
218 Electrical – Base (Integrated Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
	B7196	KIT – LATERAL TILT PLUG [847]		
	B7489	KIT – AUTO HEADER HEIGHT PLUG [848]		
	B7490	KIT – PASS-THRU TILT PLUG [849]		
1	328089	HARNESS – MAIN [850]	1	
	136655	FASTENER – FIR TREE MT W/ TIE		
2	134442	SPACER – DUAL SWIVEL SADDLE	3	
3	21763	FASTENER – CABLE TIE, BLACK	A/R	
4	328318	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [851]	OPT	
	328560	PLUG – FLOAT CONFIG. 1 SENSOR (AUTO HEADER HEIGHT) [851]	OPT	
	323698	PLUG – TILT, PASS-THRU [851]	OPT	
5	322383	HARNESS – FM200 ADAPTER	1	
6	328411	MODULE – VALVE DRIVER	1	
7	REF	HARNESS – COMPLETION PACKAGE [852]		
A	134730	WASHER – LOCK, HDP 20, SIZE 24		
B	134728	NUT – PANEL, HDP 20, SIZE 24		

847. The kit includes lateral tilt plug (MD #328318) and instructions. Kits are available through Whole Goods only.
848. The kit includes auto header height plug (MD #328560) and instructions. Kits are available through Whole Goods only.
849. The kit includes pass-thru tilt plug (MD #323698) and instructions. Kits are available through Whole Goods only.
850. The harness comes complete with all fir tree fasteners (MD #136655) attached.
851. The float plug varies depending on the combine model and the electrical completion package required. To identify the correct float plug, refer to the electrical completion section for your specific combine.
852. The harness varies depending on the combine model and the electrical completion package required. For harness part numbers, refer to the electrical completion section for your specific combine.

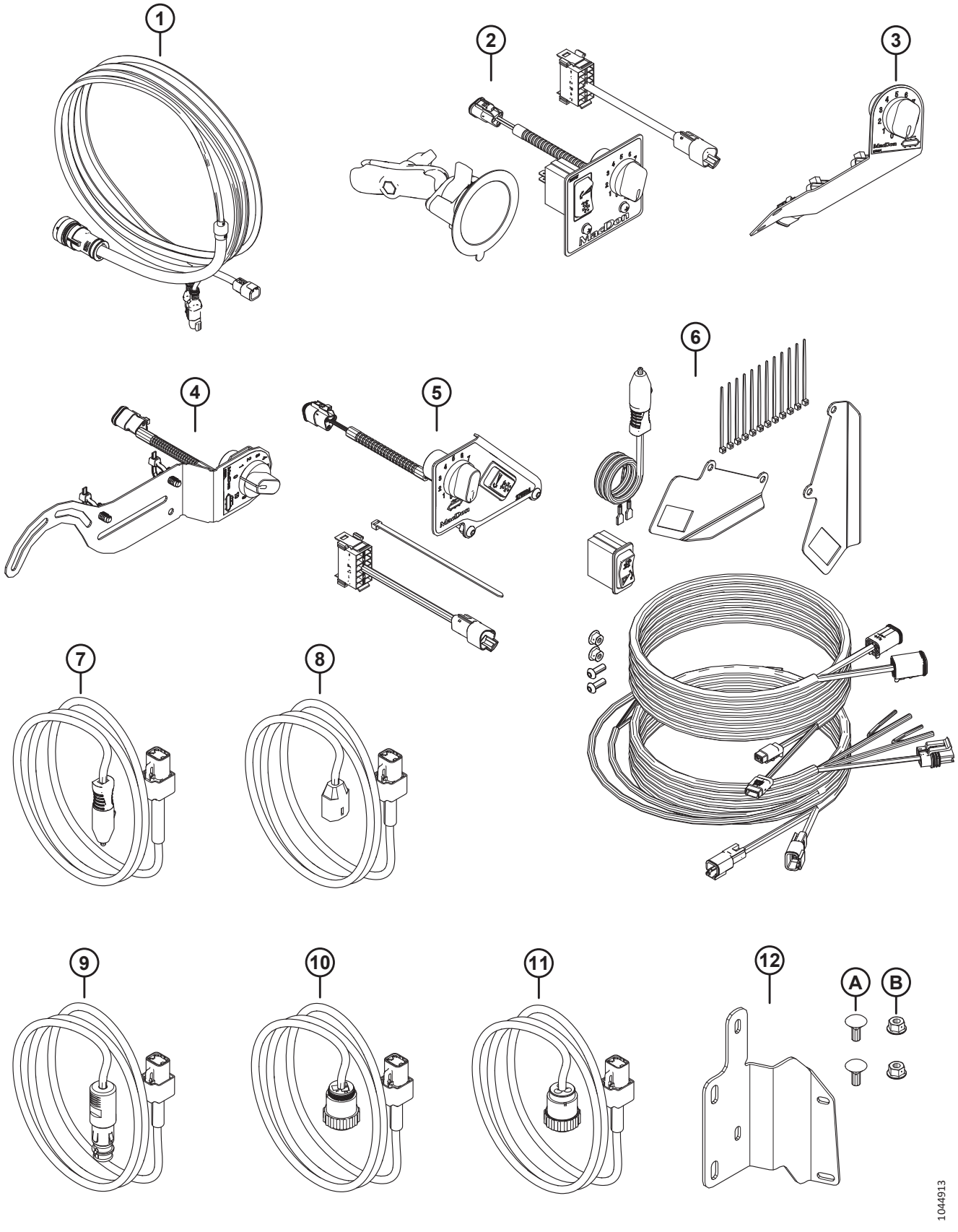
219 Electrical – Base (Modular Hydraulic System)



Ref	Part Number	Description	Qty	Serial Number
	B7196	KIT – LATERAL TILT PLUG [853]		
	B7489	KIT – AUTO HEADER HEIGHT PLUG [854]		
	B7490	KIT – PASS-THRU TILT PLUG [855]		
1	328089	HARNESS – MAIN [856]	1	
	136655	FASTENER – FIR TREE MT W/ TIE	A/R	
2	134442	SPACER – DUAL SWIVEL SADDLE	3	
3	21763	FASTENER – CABLE TIE, BLACK	A/R	
4	328318	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [857]	OPT	
	328560	PLUG – FLOAT CONFIG. 1 SENSOR (AUTO HEADER HEIGHT) [857]	OPT	
	323698	PLUG – TILT, PASS-THRU [857]	OPT	
5	322383	HARNESS – FM200 ADAPTER	1	
6	304371	MODULE – VALVE DRIVER WITH SW	1	
7	REF	HARNESS – COMPLETION PACKAGE [858]		
8	378435	HARNESS – EXT. DRAPER CNTRL	1	
9	136655	FASTENER – FIR TREE MT W/ TIE	1	
A	134730	WASHER – LOCK, HDP 20, SIZE 24		
B	134728	NUT – PANEL, HDP 20, SIZE 24		

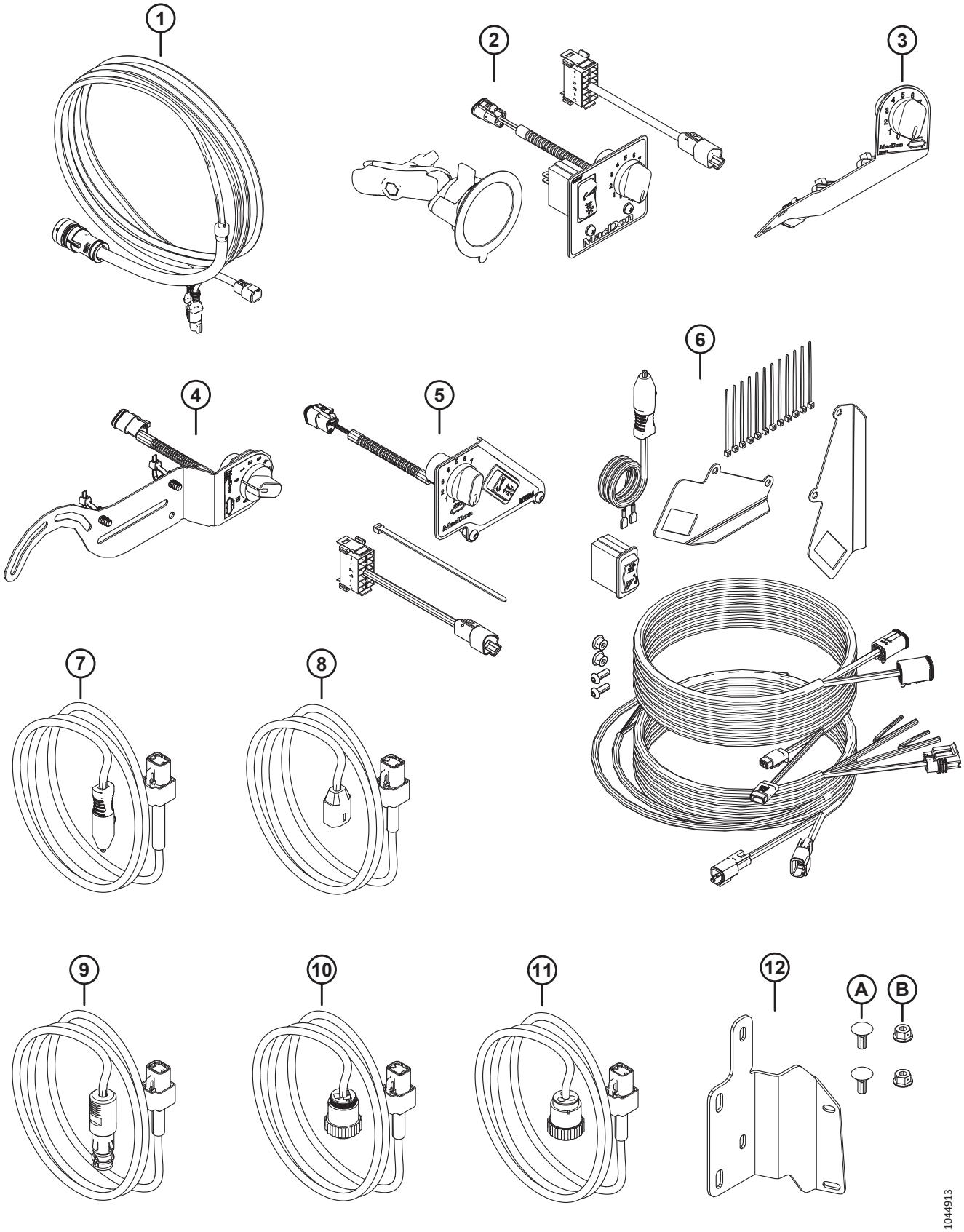
853. The kit includes lateral tilt plug (MD #328318) and instructions. Kits are available through Whole Goods only.
854. The kit includes auto header height plug (MD #328560) and instructions. Kits are available through Whole Goods only.
855. The kit includes pass-thru tilt plug (MD #323698) and instructions. Kits are available through Whole Goods only.
856. The harness comes complete with all fir tree fasteners (MD #136655) attached.
857. The float plug varies depending on the combine model and the electrical completion package required. To identify the correct float plug, refer to the electrical completion section for your specific combine.
858. The harness varies depending on the combine model and the electrical completion package required. For harness part numbers, refer to the electrical completion section for your specific combine.

220 Electrical – FM200 to Combine Cab



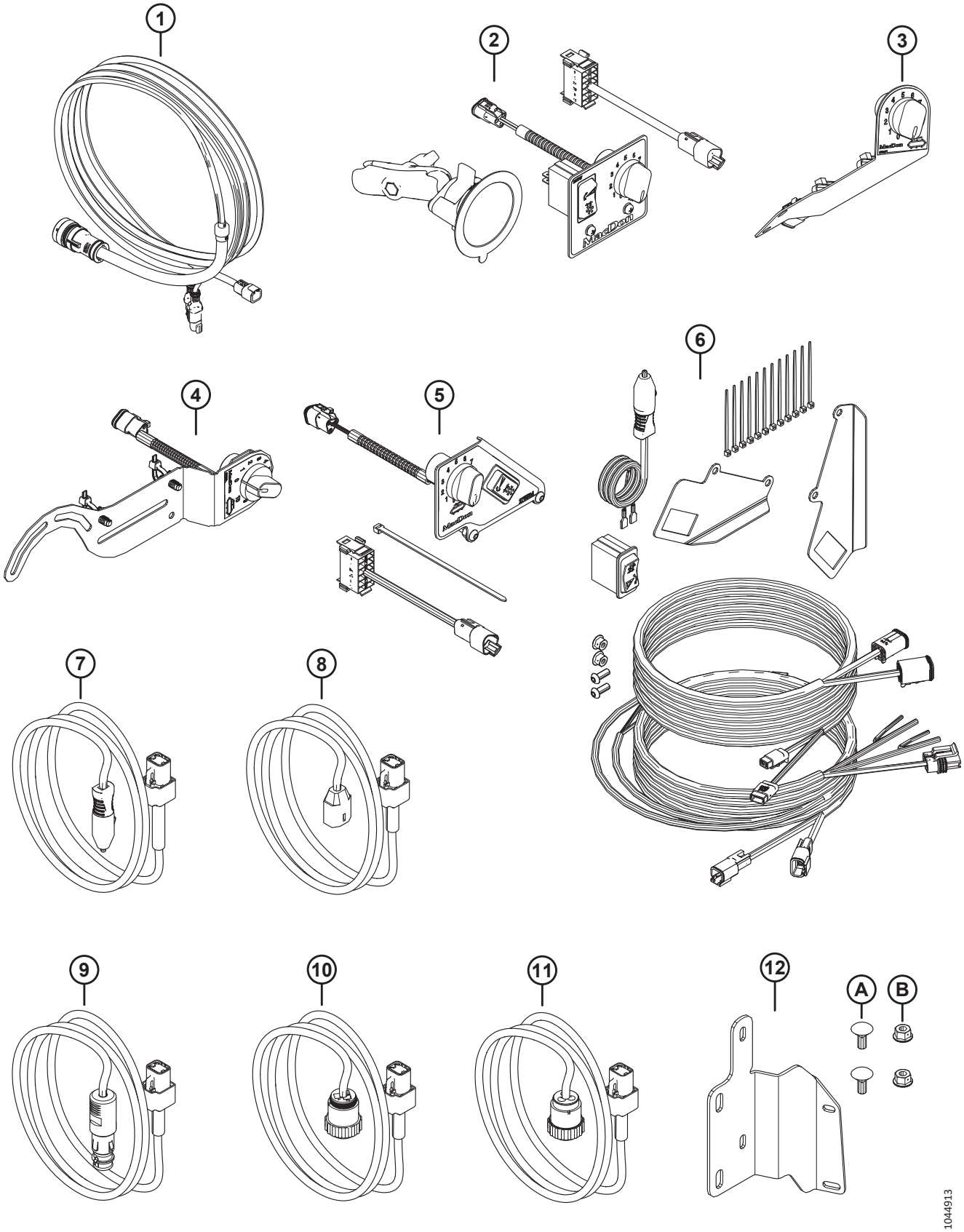
Ref	Part Number	Description	Qty	Serial Number
	B7048	KIT – FM2 TILT AND SD CONTROL, GENERIC [859]		
	B7431	KIT – CONTROL, SIDE DRAPER SPEED, CNH (2019 AND LATER) [860]		
	B7492	KIT – FM2 TILT AND SD CONTROL, JD [861]		
	B7506	KIT – CNH PRE-MY19 IN-CAB CONTROLS [862]		
	B7051	KIT – CAB POWER HARNESS, JD [863]		
	B7052	KIT – CAB POWER HARNESS, BOSCH/AUX [864]		
	B7602	**KIT – IN-CAB CONTROLS EXTENSION HARNESS** [865]		
1	328549	KIT – CAB CONTROL [866]		
2	328550	KIT – TILT AND SIDE DRAPER CONTROL (GENERIC) [867]		
	314076	HARNESS – EXT. CAB ROCKER SW		
	287859	BASE – SUCTION CUP WITH ARM		
	NSS	CONTROL PANEL – ICSDSC, GENERIC [868]		
	213459	POTENTIOMETER – 5K [869]		
	109773	KNOB – PLASTIC [869]		
3	NSS	KIT – SIDE DRAPER CONTROL, CNH (2023 AND PRIOR) [870]		
	NSS	CONTROL PANEL, ICSDSC, CNH (2023 AND PRIOR) [871]		
	213459	POTENTIOMETER – 5K [869]		
	109773	KNOB – PLASTIC [869]		
	21763	FASTENER – CABLE TIE, BLACK		

859. The Generic FM2 Tilt and Side Draper Control kit (B7048) includes the Tilt and Side Draper Control kit (MD #328550). Kits are available through Whole Goods only.
860. The CNH Side Draper Speed Control kit for model year 2019 and later (B7431) includes the Side Draper Speed Control kit (MD #357945). Kits are available through Whole Goods only.
861. The John Deere FM2 Tilt and Side Draper Control kit (B7492) includes the Tilt and Side Draper Control kit (MD #323940). Kits are available through Whole Goods only.
862. The CNH Pre-MY19 In-Cab Controls kit (B7506) is used for all model year 2018 and prior CNH combines and includes the CNH bag assembly (MD #284900). Kits are available through Whole Goods only.
863. The John Deere Cab Power Harness kit (B7051) includes the John Deere Cab Power kit (MD #328554). Kits are available through Whole Goods only.
864. The Bosch/Aux Cab Power Harness kit (B7052) includes the Bosch/Aux Cab Power kit (MD #328555). Kits are available through Whole Goods only.
865. The In-Cab Controls Extension Harness kit (B7602) includes Cab Control kit (MD #328549), three cable tie mounts (MD #305330), five cable ties (MD #30753), fifteen cable ties (MD #21763), and In-Cab Adapter and Module kit (NSS). Kits are available through Whole Goods only.
866. The kit includes combine cab control harness (NSS) and instructions.
867. The kit includes rocker switch harness (MD #314076), suction cup base (MD #287859), generic control panel (NSS), and instructions.
868. The generic control panel (NSS) includes generic panel (MD #287944), rocker switch (MD #287797), ball mount base (MD #287749), two screws (MD #136313), and two nuts (MD #320390).
869. The potentiometer and plastic knob are service parts for the control panel.
870. CNH Side Draper Control kit (MD #328551) has been superseded by kit (MD #357945). To service the superseded control kit, order Side Draper Speed Control kit (MD #357945).
871. CNH ICSDSC control panel (MD #276671) has been superseded by kit (MD #357945). To service the superseded control panel, order Side Draper Speed Control kit (MD #357945).


1
2
3
4
5
6
7
8
9
10
11
12
A
B
1044913

Ref	Part Number	Description	Qty	Serial Number
4	357945	KIT – SIDE DRAPER SPEED CONTROL (CNH) (2019 AND LATER) [872]		
	NSS	CONTROL – SDSC PANEL		
	213459	POTENTIOMETER – 5K [869]		
	109773	KNOB – PLASTIC [869]		
	136655	FASTENER – FIR TREE MT W/ TIE		
	184705	WASHER – FLAT M6-200HV-AA1J		
5	323940	KIT – TILT AND SIDE DRAPER CONTROL (JD) [873]		
	314076	HARNESS – EXT. CAB ROCKER SW		
	NSS	CONTROL PANEL, ICSDSC, JD [874]		
	213459	POTENTIOMETER – 5K [869]		
	109773	KNOB – PLASTIC [869]		
	21763	FASTENER – CABLE TIE, BLACK		
	136886	SCREW – HEX SOC BTN M6 X 1 X 16-10.9-AA1T		
	136771	NUT – HEX FLG TOP LOC M6 X 1-8-ZINC		
6	**335695**	**KIT – J.D. IN-CAB CNTRL COMPL** [875]		
	304216	**KIT – CAB DRAPER CONTROL HARNESS** [876]		
	287797	**SWITCH – ROCKER, TILT**		
	220734	**SUPPORT – ROCKER SWITCH**		
	220570	**HARNESS – AUX PWR TO QUICK DISC**		
	158377	**SUPPORT – ROCKER SWITCH**		
	152668	**NUT – HEX FLG CTR LOC M6 X 1-8**		
	136886	**SCREW – HEX SOC BTN M6 X 1 X 16-10.9-AA1T**		
	16661	**FASTENER – CABLE TIE, BLACK**		
7	328553	KIT – CAB POWER AUX (AGCO) [877]		
	308941	HARNESS – EXT. CAB PWR AUX		
8	328554	KIT – CAB PWR JD [878]		
	308942	HARNESS – EXT. CAB PWR JD		
9	328555	KIT – CAB POWER BOSCH/AUX (CNH AND CLAAS) [879]		
	NSS	HARNESS – EXT. CAB PWR BOSCH/AUX		

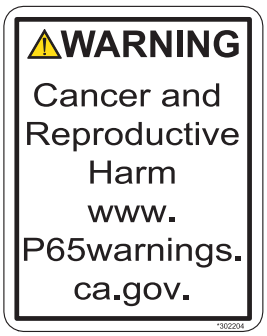
872. The kit includes SDSC control panel (NSS), two fasteners (MD #136655), two washers (MD #184705), and instructions.
873. The kit includes JD ICSDSC control panel (NSS), rocker switch harness (MD #314076), cable tie (MD #21763), two screws (MD #136886), two nuts (MD #136771), and instructions.
874. The JD control panel (NSS) includes JD panel (MD #287945) and rocker switch (MD #287797).
875. The kit includes cab draper control harness kit (MD #304216), rocker tilt switch (MD #287797), rocker switch support (MD #220734), aux power to quick disc harness (MD #220570), rocket switch support (MD #158377), tilt draper speed support (MD #304111), two M6 nuts (MD #152668), two M6 screws (MD #136886), twelve cable ties (MD #16661), two M8 bolts (MD #197171), two M8 nuts (MD #135337), and instructions.
876. The kit includes one cab draper extension harness (MD #304211) and one cab draper control harness (MD #304210).
877. The kit includes cab power harness (MD #308941) and instructions.
878. The kit includes John Deere cab power harness (MD #308942) and instructions.
879. The kit includes Bosch/Aux cab power harness (NSS) and instructions.


1
2
3
4
5
6
7
8
9
10
11
12
A
B
1044913

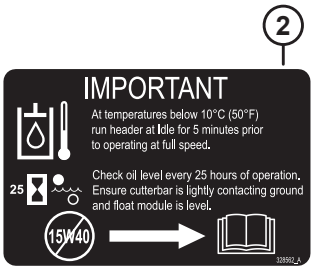
Ref	Part Number	Description	Qty	Serial Number
10	NSS	KIT – CAB POWER CPC NA (CNH) [880]		
	NSS	HARNESS – EXT. CAB PWR CPC [881]		
11	NSS	KIT – CAB PWR CPC EU [882]		
	NSS	HARNESS – EXT. CAB PWR CPC EU [883]		
12	**304111**	**SUPPORT – TILT/DRAPER SPEED** [884]		
A	**197171**	**BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC** [884]		
B	**135337**	**NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J** [884]		
	337611	BAG ASSY – CBN CONTROL CLAAS [885]		
	NSS	BAG ASSY – CBN CONTROL CNH NA [886]		
	NSS	BAG ASSY – CBN CONTROL CNH EU [887]		
	337619	BAG ASSY – CBN CONTROL JD [888]		
	337627	BAG ASSY – CBN CONTROL AGCO [889]		
	284900	BAG ASSY – IN-CAB CONTROL CNH [890]		
	NSS	KIT – IN-CAB ADAPTER AND MODULE [891]		
	NSS	**BAG ASSY – IN-CAB CONTROLS EXTENSION HARNESS** [892]		

880. North American CNH CPC Cab Power kit (MD #328552) has been superseded by kit (MD #328555). To service the superseded cab power kit, order Bosch/Aux Cab Power kit (MD #328555).
881. CPC cab power harness (MD #308684) has been superseded by kit (MD #328555). To service the superseded power harness, order Bosch/Aux Cab Power kit (MD #328555).
882. European CNH CPC Cab Power kit (MD #335287) has been superseded by kit (MD #328555). To service the superseded cab power kit, order Bosch/Aux Cab Power kit (MD #328555).
883. CPC cab power harness (MD #328561) has been superseded by kit (MD #328555). To service the superseded power harness, order Bosch/Aux Cab Power kit (MD #328555).
884. The support (MD #304111), bolt (MD #197171), and nut (MD #135337) is used for model year 2018 and later John Deere S700 combines only.
885. The bag assembly includes Cab Control kit (MD #328549), Tilt and Side Draper Control kit (MD #328550), Bosch/Aux Cab Power kit (MD #328555), conduit (MD #293108), locking clip (MD #500454), cable ties (MD #21763, MD #30753), plug (MD #287784), and cable tie mounts (MD #305330).
886. The North American CNH bag assembly (MD #337617) has been superseded by CNH bag assembly (MD #284900). To service the superseded bag assembly, order CNH bag assembly (MD #284900).
887. The European CNH bag assembly (MD #337618) has been superseded by CNH bag assembly (MD #284900). To service the superseded bag assembly, order CNH bag assembly (MD #284900).
888. The bag assembly includes Cab Control kit (MD #328549), Tilt and Side Draper Control kit (MD #323940), John Deere Cab Power kit (MD #328554), conduit (MD #293108), cable ties (MD #21763, MD #30753), cable tie mounts (MD #305330), support (MD #304111), two bolts (MD #197171), and two nuts (MD #135337).
889. The bag assembly includes Cab Control kit (MD #328549), Tilt and Side Draper Control kit (MD #328550), Bosch/Aux Cab Power kit (MD #328555), cable ties (MD #21763, MD #30753), and cable tie mounts (MD #305330).
890. The bag assembly includes Cab Control kit (MD #328549), Side Draper Speed Control kit (MD #357945), Bosch/Aux Cab Power kit (MD #328555), cable ties (MD #21763, MD #30753), cable tie mounts (MD #305330), and In-Cab Adapter and Module kit (NSS).
891. The In-Cab Adapter and Module kit (NSS) used for all model year 2018 and prior CNH combines and include cab adapter harness (MD #322383), valve driver module (MD #328411), lock washer (MD #134730), and panel nut (MD #134728). Refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* for component locations.
892. The In-Cab Controls Extension Harness bag assembly includes Cab Control kit (MD #328549), three cable tie mounts (MD #305330), five cable ties (MD #30753), fifteen cable ties (MD #21763), and In-Cab Adapter and Module kit (NSS).

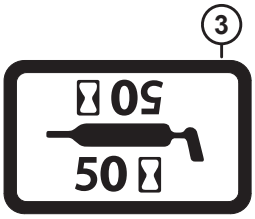
221 Decals and Reflectors – FM200



1

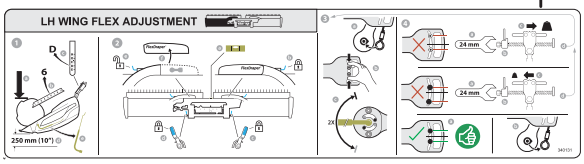


2

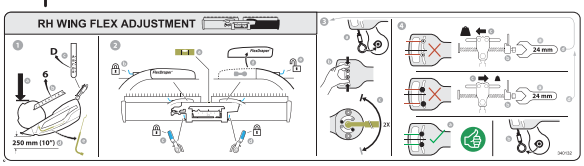


3

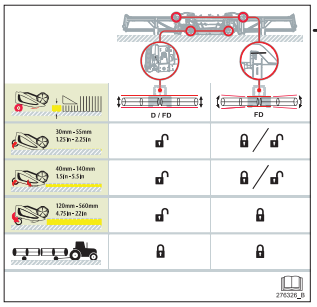
4



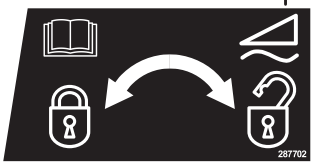
5



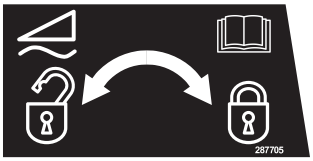
6



7



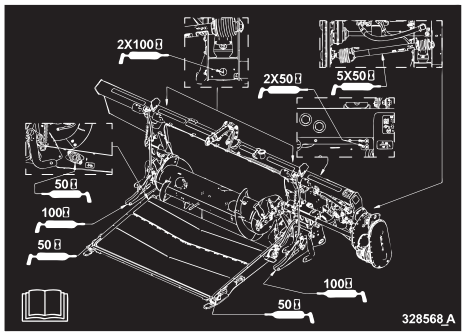
8



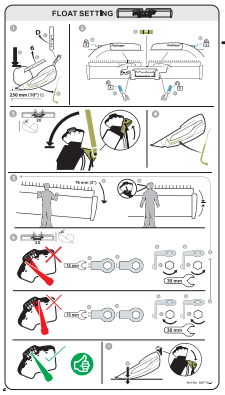
9

10

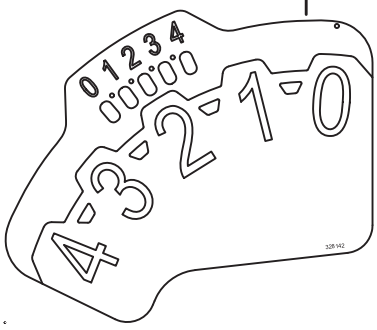
11



12



13



14

15

16

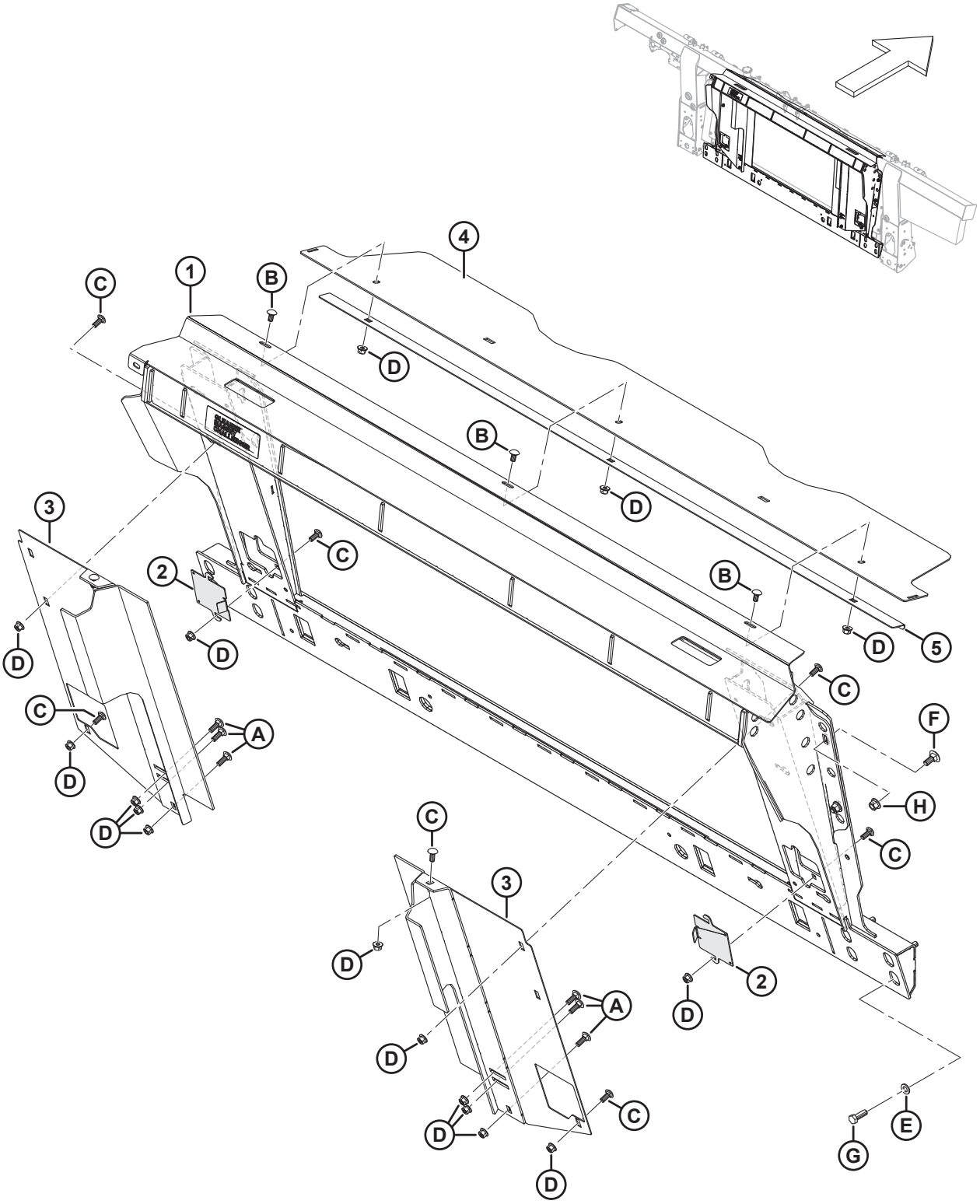
17

1039342

Ref	Part Number	Description	Qty	Serial Number
1	302204	DECAL – CA PROPOSITION 65		
2	328562	DECAL – OIL, IMPORTANT		
3	23165	DECAL – 50 HR LUBE		
	23163	DECAL – 10 HR LUBE		
4	32070	DECAL – PATENT NUMBER		
5	340131	DECAL – LH FLEX SETTING		
6	340132	DECAL – RH FLEX SETTING		
7	276326	DECAL – HEADER ADJUSTMENT		
8	287702	DECAL – FLOAT LOCK, LH		
9	287705	DECAL – FLOAT LOCK, RH		
10	328565	DECAL – OIL DRAIN		
11	313728	DECAL – READ MANUAL/FLUID SPRAY		
12	347342	DECAL – GREASE FM200		
13	360716	DECAL – FLOAT SETTING [893]		–486189
	368631	DECAL – FLOAT SETTING [894]		486190–
14	328142	DECAL – FSM		
15	360655	DECAL – SAFETY RETURN WRENCH		
16	174131	STRIP – ANTI SLIP, 250 MM LG		
	132117	STRIP – ANTI SLIP, 450 MM LG		
	140225	STRIP – ANTI SLIP, 550 MM LG		
17	115146	REFLECTOR – AMBER		

893. For model year 2023 and prior.
894. For model year 2024 and later.

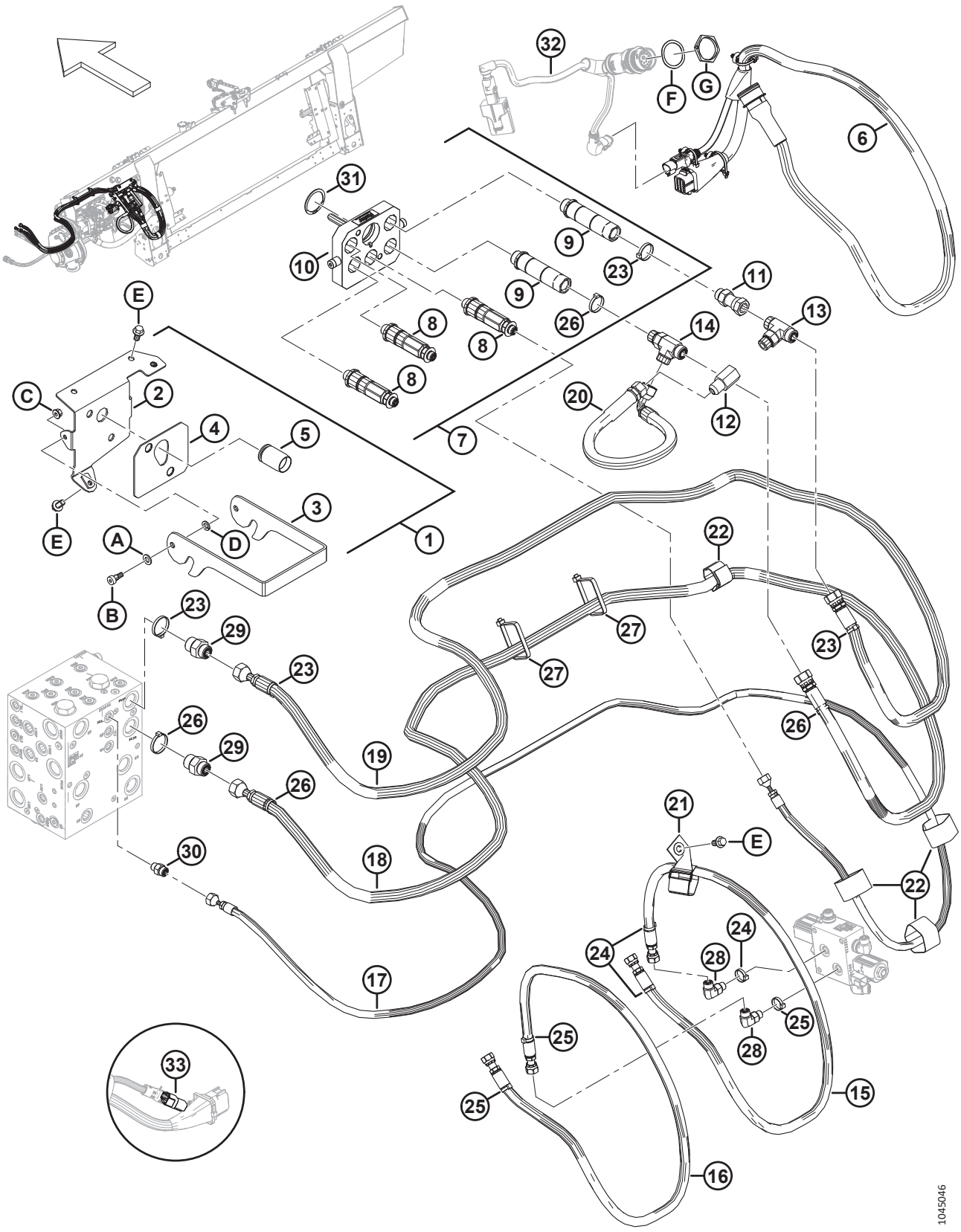
222 Challenger®, Massey Ferguson®, and Gleaner® – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7313	KIT – GMC TRANSITION FRAME [895]		
1	347480	FRAME – GMC W/ DECAL	1	
2	347431	DOOR – ACCESS	2	
3	337862	FILLER – LH WELDT	1	
	337863	FILLER – RH WELDT	1	
4	357195	COVER – FEED AUGER TOP	1	
5	301629	RETAINER – DUST COVER	1	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
C	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	184714	WASHER – FLAT REG M12-300HV		
F	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

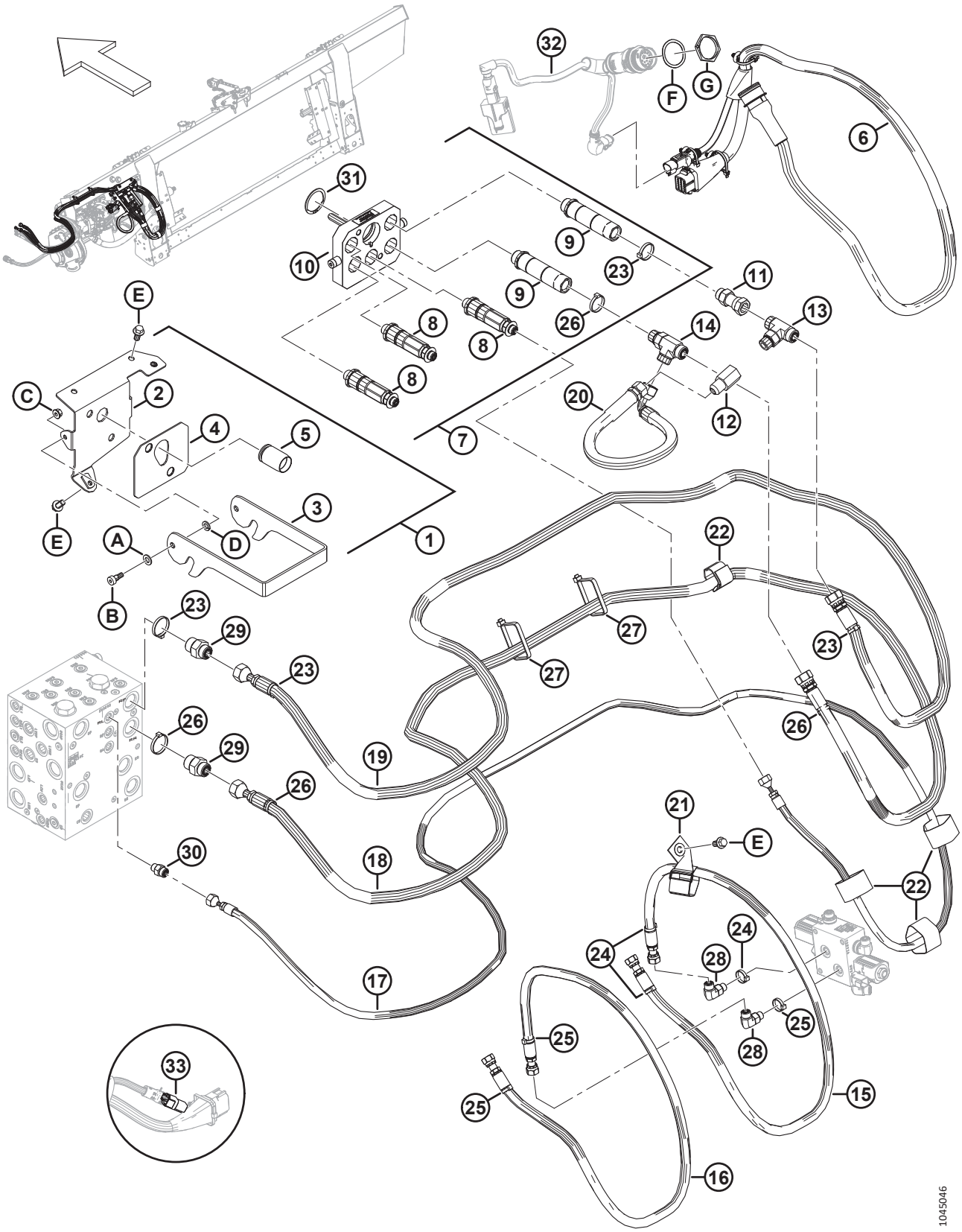
895. Kits are available through Whole Goods only.

223 Challenger®, Massey Ferguson®, and Gleaner® – Hydraulic/ Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7165	KIT – GLNR/MSSY/CHLNGR HYD ELEC COMP [896]		
1	328872	ASSEMBLY – MCPLR MOUNT AGCO	1	
2	308249	WELDT – COUPLER SUPPORT, AGCO	1	
3	248960	LATCH – COUPLER BRACKET	1	
4	187018	PAD – RUBBER	1	
5	129148	PLUG – RUBBER	1	
6	**323986**	**HARNESS – COMP., AGCO**	**1**	
7	279737	COUPLING – MULTI AGCO 5-POS	1	
8	279011	KIT – COUPLER, 3/8 C/W 3/8 FTG	3	
	279034	SEAL – SHAPED, 3/8 IN.		
9	279012	KIT – COUPLER, 9/16 C/W 5/8 FTG	2	
	279035	SEAL – SHAPED, 9/16 IN.		
10	294098	KIT – COUPLER PLATE ASSY, AGCO		
11	252650	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
12	187031	VALVE – CHECK	1	
13	136181	FITTING – BRANCH TEE HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
14	135598	FITTING – TEE HYD STR THD O-RING	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
15	308255	HOSE – HYD, REEL FORE AGCO	1	
16	308254	HOSE – HYD, REEL AFT AGCO	1	
17	308253	HOSE – HYD, REEL LIFT AGCO	1	
18	308252	HOSE – HYD, REEL RET AGCO	1	
19	308251	HOSE – HYD, REEL PRESS AGCO	1	
20	287878	HOSE – HYD, REEL BYPASS	1	
21	163598	CINCH STRAP, HANGING, 6 IN. LG	1	
22	135444	CINCH STRAP 6 IN. LG	4	
23	49232	FASTENER – CABLE TIE, WHITE	4	
24	49227	FASTENER – CABLE TIE, GREEN	3	
25	40702	FASTENER – CABLE TIE, RED	3	
26	40701	FASTENER – CABLE TIE, YELLOW	4	
27	30753	FASTENER – CABLE TIE, BLACK	2	
28	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		

896. Kits are available through Whole Goods only.

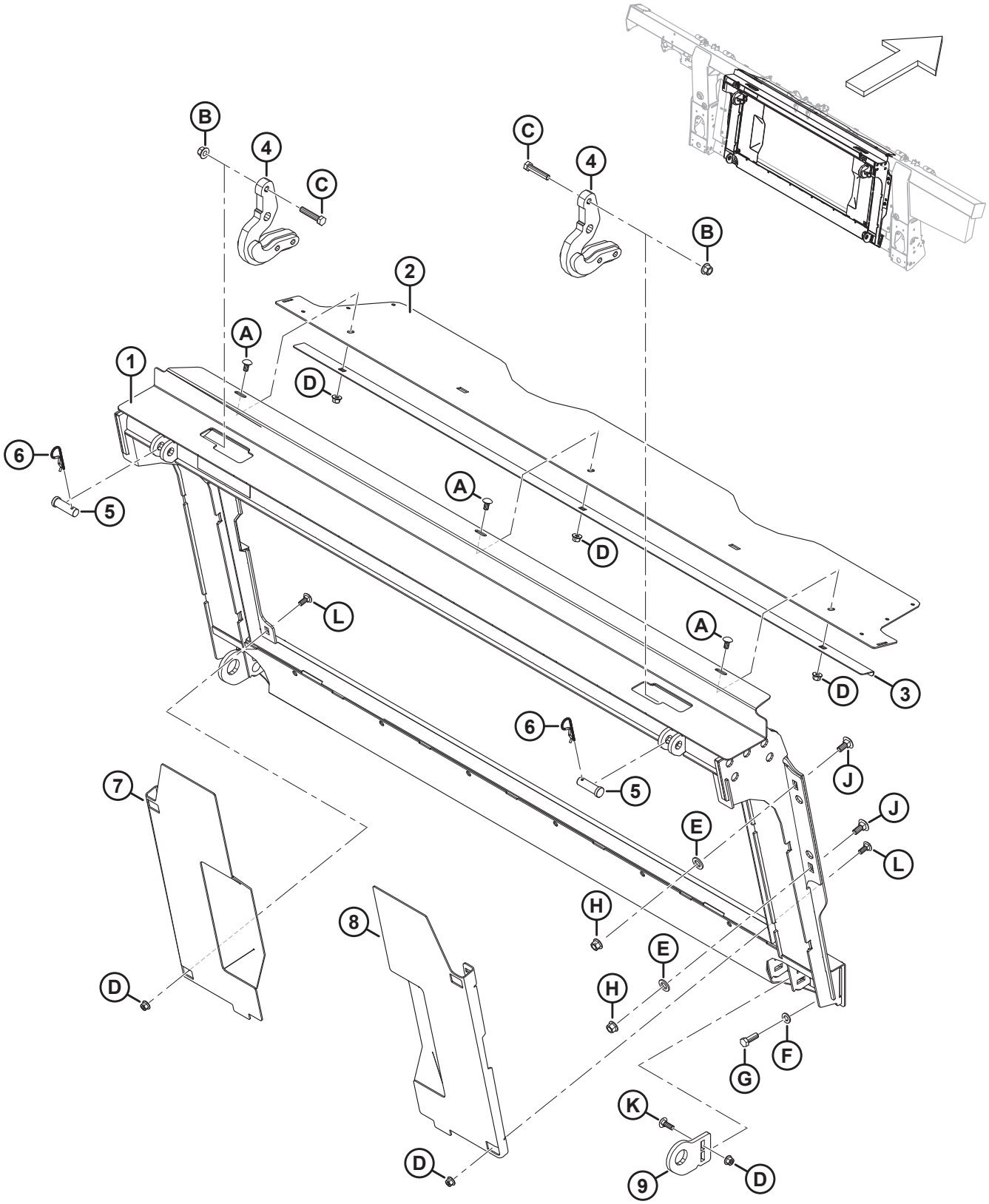

1045046

Ref	Part Number	Description	Qty	Serial Number
29	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
30	135778	FITTING – ADAPTER	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
31	**135267**	**RING – INVERTED EXT RETAINING**	**1**	
32	REF	HARNESS – CAB ADAPTER [897]	1	
	REF	MODULE – VALVE DRIVER [897]	1	
33	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [898]	1	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	135894	SCREW – HEX SOC HD SHLDR M10		
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
D	30632	WASHER – LOCK SPRING M10		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X20-8.8-AA1J		
F	134730	WASHER – LOCK, HDP 20, SIZE 24		
G	134728	NUT – PANEL, HDP 20, SIZE 24		

897. The FM200 cab adapter harness and valve driver module are NOT included in the completion package (B7165). To order the harness and/or valve driver module, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.

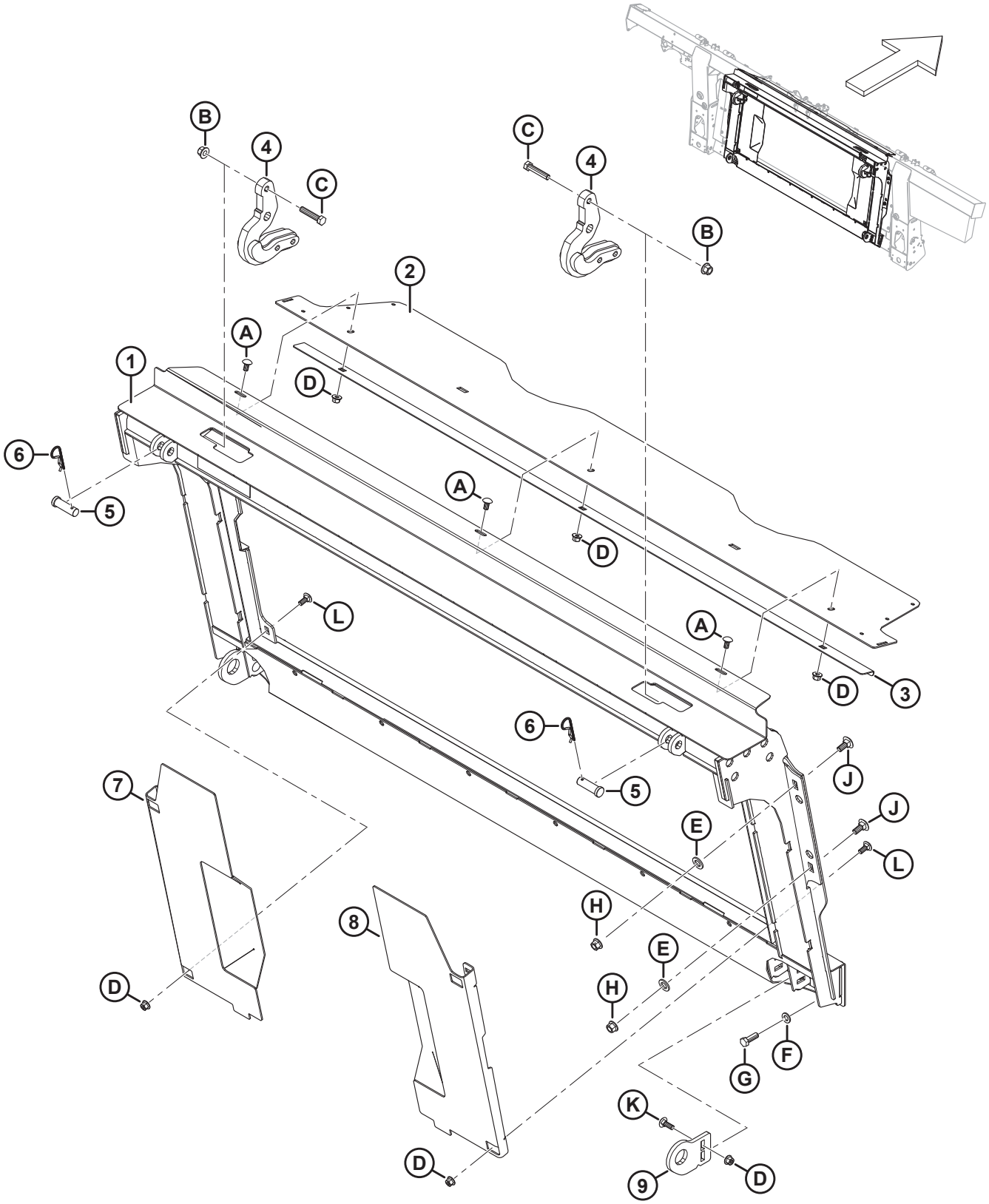
898. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for Challenger®, Massey Ferguson®, and Gleaner®combines, but is NOT included in the completion package (B7165). To order the float plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.

224 IDEAL™ Series – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7491	**KIT – IDEAL TRANSITION FRAME** [899]		
1	**357695**	**FRAME – IDEAL W/ DECAL**	**1**	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	**347611**	**HOOK – PICKUP WELDT** [900]	**2**	
	284871	**KIT – HOOK SERVICE IDEAL** [901]	**A/R**	
5	**18626**	**PIN – CLEVIS (46 MM LG)** [902]	**2**	
	158080	PIN – CLEVIS **(40 MM LG)** [903]	**A/R**	
6	13125	PIN – HAIR	2	
7	**284885**	**FILLER – IDEAL WELDT LH** [904]	**1**	
8	**284886**	**FILLER – IDEAL WELDT RH** [904]	**1**	
9	**347434**	**ANCHOR – IDEAL**	**2**	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	**136431**	**NUT – HEX FLG CTR LOC M12 X 1.75-10** [905]		
	136476	NUT – HEX CTR LOC M16 X 2-8 [906]	**A/R**	
C	**152274**	**BOLT – HEX HD M12 X 1.75 X 60-8.8-AA1J** [907]		
	136141	BOLT – HEX HD M16 X 2 X 60-8.8-AA1J [906]	**A/R**	
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	184717	WASHER – FLAT REG M16-200HV-AA1J [908]	**A/R**	
F	184714	WASHER – FLAT REG M12-300HV		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
J	**184667**	**BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC** [909]		
	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC [908]	**A/R**	

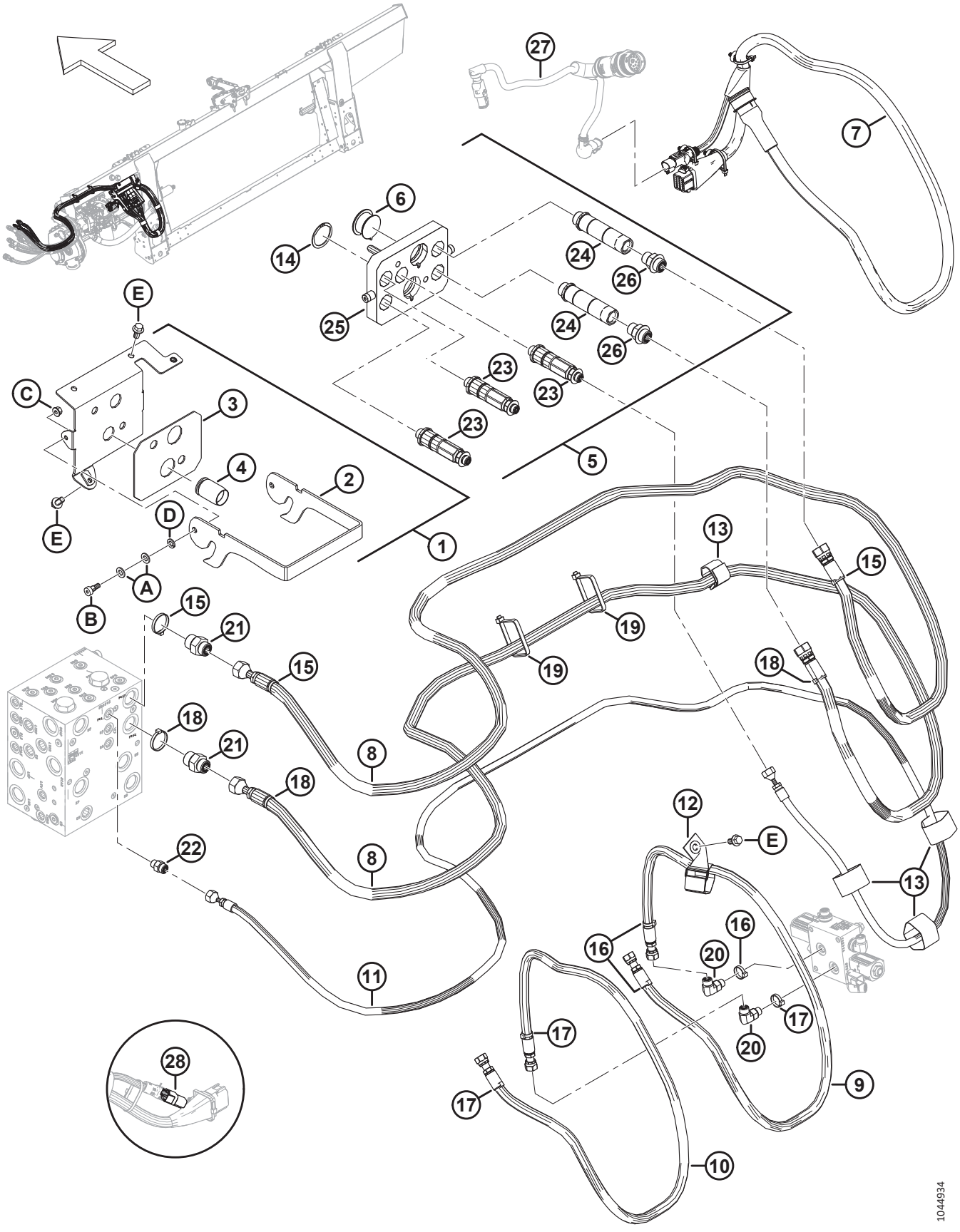
899. Kits are available through Whole Goods only.
900. Hook (MD #347611) is used to service units made in model year 2024 and later, or for units that have been serviced with IDEAL Hook Service kit (MD #284871).
901. The IDEAL Hook Service kit is used to service units made in model year 2023 and prior. The kit includes hook (MD #347611), bolt (MD #152274), and nut (MD #136431).
902. 46 mm long clevis pin (MD #18626) is used to service units made in model year 2024 and later, or for units made in model year 2023 and prior that have been serviced with transition frame (MD #357695).
903. 40 mm long clevis pin (MD #158080) is used to service units made in model year 2023 and prior that have NOT been serviced with transition frame (MD #357695).
904. The fillers (MD #284885 and MD #284886) are compatible with transition frame (MD #357695) only.
905. This hardware is used for units made in model year 2023 and prior that have been serviced with IDEAL Hook Service kit (MD #284871). For units made in model year 2024 and later, bolt C (MD #152274) attaches to a welded nut in the transition frame.
906. This hardware is used for units made in model year 2023 and prior that have NOT been serviced with IDEAL Hook Service kit (MD #284871).
907. This hardware is used for units made in model year 2024 and later, or for units made in model year 2023 and prior that have been serviced with IDEAL Hook Service kit (MD #284871).
908. This hardware is used for units made in model year 2023 and prior that have NOT been serviced with transition frame (MD #357695).
909. This hardware is used for units made in model year 2024 and later, or for units made in model year 2023 and prior that have been serviced with transition frame (MD #357695).


B
4
C
C
4
B
2
A
1
D
6
5
A
D
L
A
D
3
6
5
J
7
E
J
L
H
8
E
H
D
F
G
K
9
D
D
1044956

Ref	Part Number	Description	Qty	Serial Number
K	**184662**	**BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J**		
L	**135785**	**BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J** [910]		

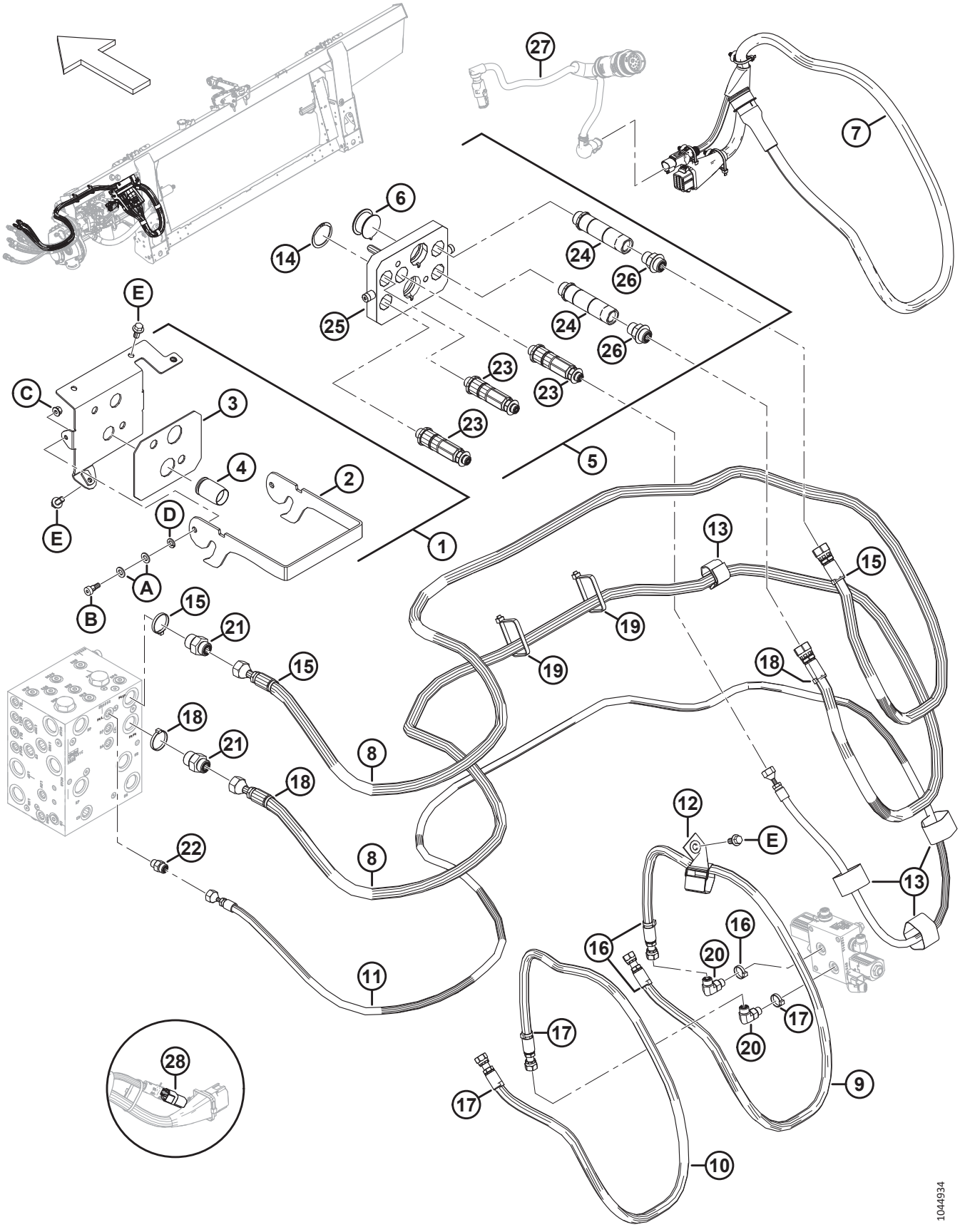
910. This hardware is used to secure fillers (MD #284885 and MD #284886) to transition frame (MD #357695) only.

225 IDEAL™ Series – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7109	KIT – IDEAL HYD ELEC COMPLETION [911]		
1	**378733**	**ASSEMBLY – MULTI CPLR MOUNT, AGCO**	**1**	
2	337980	LATCH – MULTICOUPLER	1	
3	302030	PAD – RUBBER	1	
4	129148	PLUG – RUBBER	1	
5	335008	COUPLING – MULTI, AGCO 5-POS	1	
6	328968	CAP – HD34 PLUG	1	
7	328908	HARNESS – COMP., IDEAL	1	
8	328887	HOSE – HYD, REEL DRIVE IDEAL	2	
9	308255	HOSE – HYD, REEL FORE AGCO	1	
10	308254	HOSE – HYD, REEL AFT AGCO	1	
11	308253	HOSE – HYD, REEL LIFT AGCO	1	
12	163598	CINCH STRAP, HANGING, 6 IN. LG	1	
13	135444	CINCH STRAP 6 IN. LG	4	
14	135267	RING – INVERTED EXT RETAINING	1	
15	49232	FASTENER – CABLE TIE, WHITE	3	
16	49227	FASTENER – CABLE TIE, GREEN	3	
17	40702	FASTENER – CABLE TIE, RED	3	
18	40701	FASTENER – CABLE TIE, YELLOW	3	
19	30753	FASTENER – CABLE TIE, BLACK	2	
20	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
21	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
22	135778	FITTING – ADAPTER	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
23	279011	KIT – COUPLER, 3/8 C/W 3/8 FTG	3	
	279034	SEAL – SHAPED, 3/8 IN.		
24	279012	KIT – COUPLER, 9/16 C/W 5/8 FTG	2	
	279035	SEAL – SHAPED, 9/16 IN.		
25	294394	KIT – COUPLER PLATE ASSY, AGCO	1	
26	184461	FITTING – ADAPTER	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		

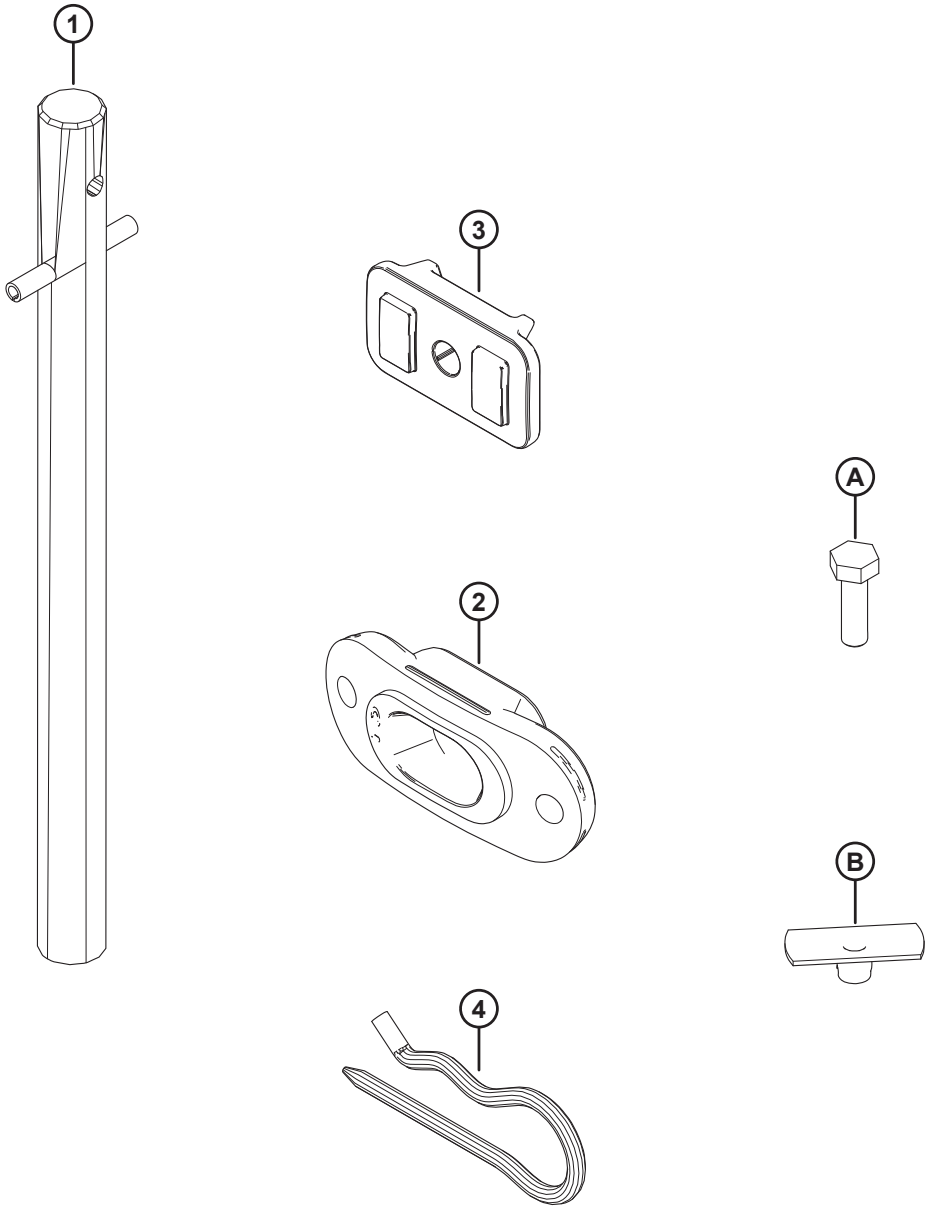
911. Kits are available through Whole Goods only.


27
7
6
14
24
26
25
24
26
23
23
23
E
C
3
4
2
E
D
A
B
5
1
13
15
19
19
18
15
21
15
18
21
18
8
8
22
12
E
13
16
16
20
17
20
17
11
28
9
17
10
1044934

Ref	Part Number	Description	Qty	Serial Number
27	REF	HARNESS – CAB ADAPTER [912]	1	
	REF	**MODULE – VALVE DRIVER** [912]	**1**	
28	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [913]	1	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	135894	SCREW – HEX SOC HD SHLDR M10		
C	135337	NUT – HEX FLG CTR LK M8 X1.25-8-AA1J		
D	30632	WASHER – LOCK SPRING M10		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

912. The FM200 cab adapter harness and valve driver module are NOT included in the completion package (B7109). To order the harness and/or valve driver module, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
913. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for IDEAL™ Series combines, but is NOT included in the completion package (B7109). To order the float plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.

226 Challenger®, Massey Ferguson®, and IDEAL™ Series – Auger Completion

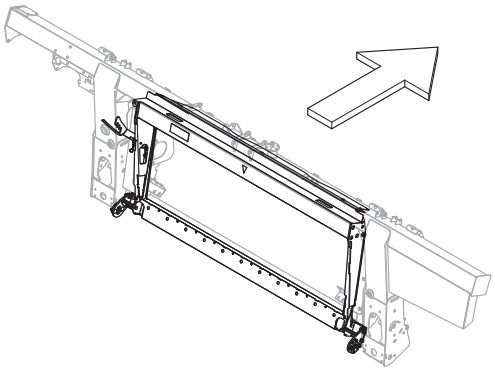


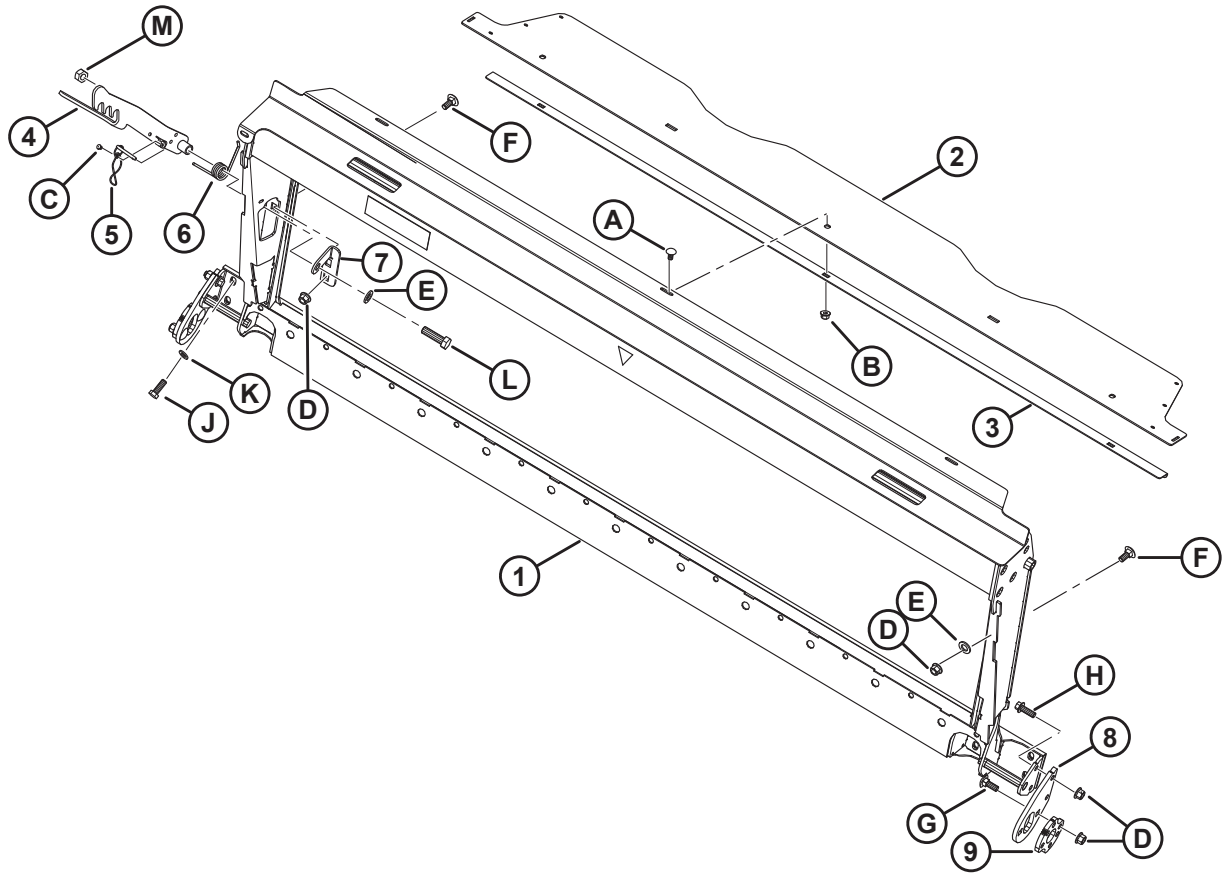
1034850

Ref	Part Number	Description	Qty	Serial Number
1	337152	KIT – FINGER [914]	8	
	7642	PIN – SPRING 3/16 DIA X 1.5 LG	8	
2	337143	GUIDE	8	
3	213084	PLUG – FLIGHTING SLOT	8	
4	123180	PIN – HAIR	8	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
B	197263	NUT – TEE M6 X 1		

914. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.

227 Case IH – Float Module Completion



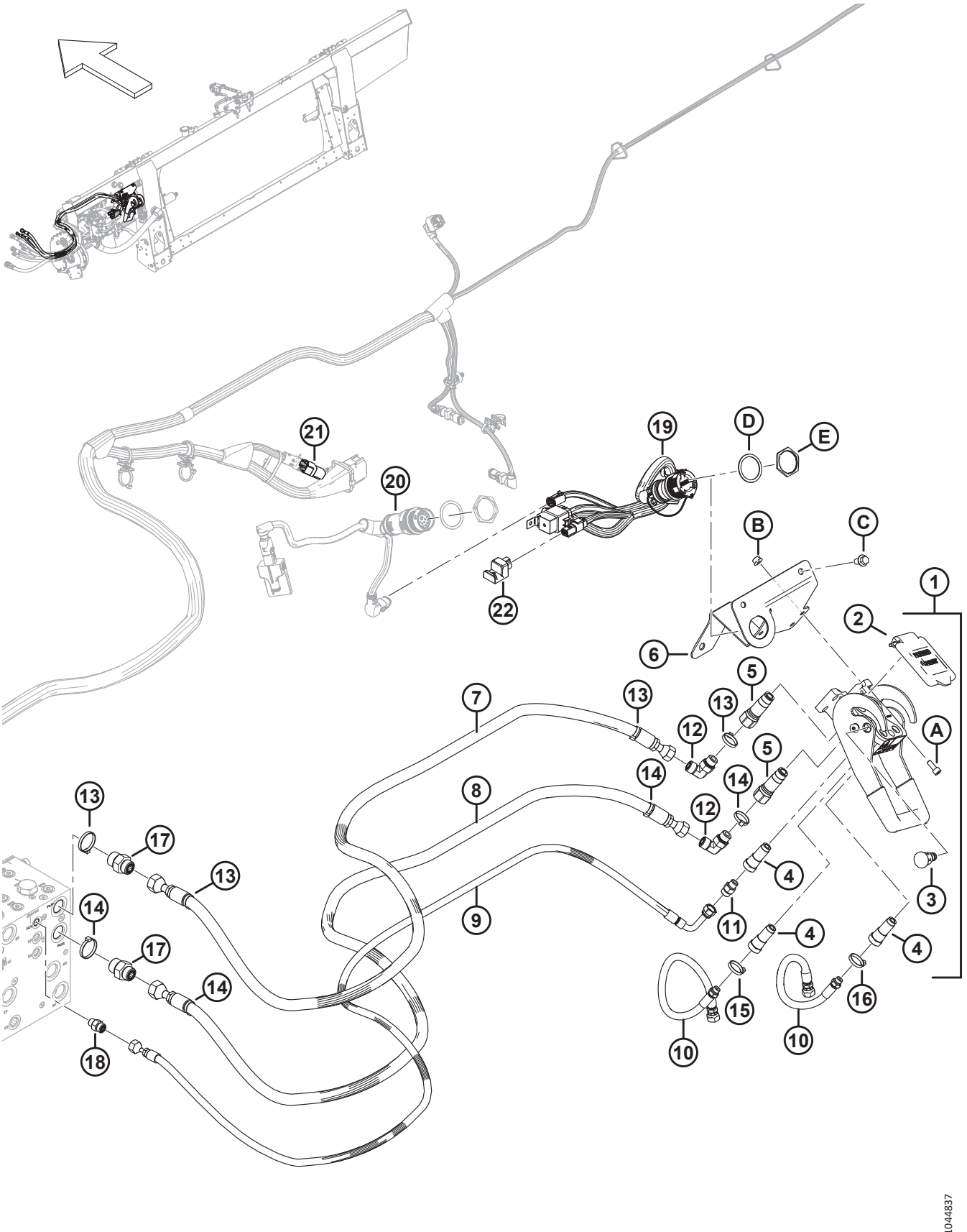


1043626

Ref	Part Number	Description	Qty	Serial Number
	B7476	KIT – CNH TRANSITION FRAME [915]		
1	357567	ASSY – CNH TRANSITION W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347141	LATCH – WELDT	1	
5	237363	PIN – DETENT WITH 8 IN. LANYARD	1	
6	156948	SPRING – TORSION	1	
7	357606	SUPPORT – BOLT MOUNT	1	
8	284976	SUPPORT – ANCHOR MOUNT	2	
9	284971	PLATE – ADJUSTMENT	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	113799	RIVET – POP		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184717	WASHER – FLAT REG M16-200HV-AA1J		
F	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
G	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
H	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-ZINC		
J	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
K	184714	WASHER – FLAT REG M12-300HV		
L	136717	BOLT – HEX HD M16 X 2 X 55-10.9		
M	320208	NUT – HEX CTR LOCK M16 X 2-12-ZINC		

915. Kits are available through Whole Goods only.

228 Case IH – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7507	KIT – CNH HYD ELEC COMPLETION [916]		
1	153151	COUPLING – MULTI [917]	1	
2	129800	KIT – COVER CNH MULTI-COUPLER	1	
3	129801	KIT – LATCH BUTTON	1	
4	129976	COUPLING 1/4 IN.	3	
5	129977	COUPLING 3/8 IN.	2	
6	328874	SUPPORT WELDT – CNH MULTI COUPLER	1	
7	314586	HOSE – HYD, REEL DRIVE PRESSURE CNH	1	
8	314587	HOSE – HYD, REEL DRIVE RETURN CNH	1	
9	314588	HOSE – HYD, REEL LIFT, CNH	1	
10	314585	HOSE – HYD, REEL F-A, CNH	2	
11	252694	FITTING – ADAPTER .052 ORIFICE	1	
12	136220	FITTING – ELBOW 90° HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
13	49232	FASTENER – CABLE TIE, WHITE	4	
14	40701	FASTENER – CABLE TIE, YELLOW	4	
15	40702	FASTENER – CABLE TIE, RED	2	
16	49227	FASTENER – CABLE TIE, GREEN	2	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	284946	KIT – CNH ELEC COMP, INTEGRATED [918]	1	
	283215	**MODULE – DIODE PACK, 6A DIODE** [919]	**1**	
	134916	**RELAY – MINI, 12 VDC SKIRTED** [919]	**1**	

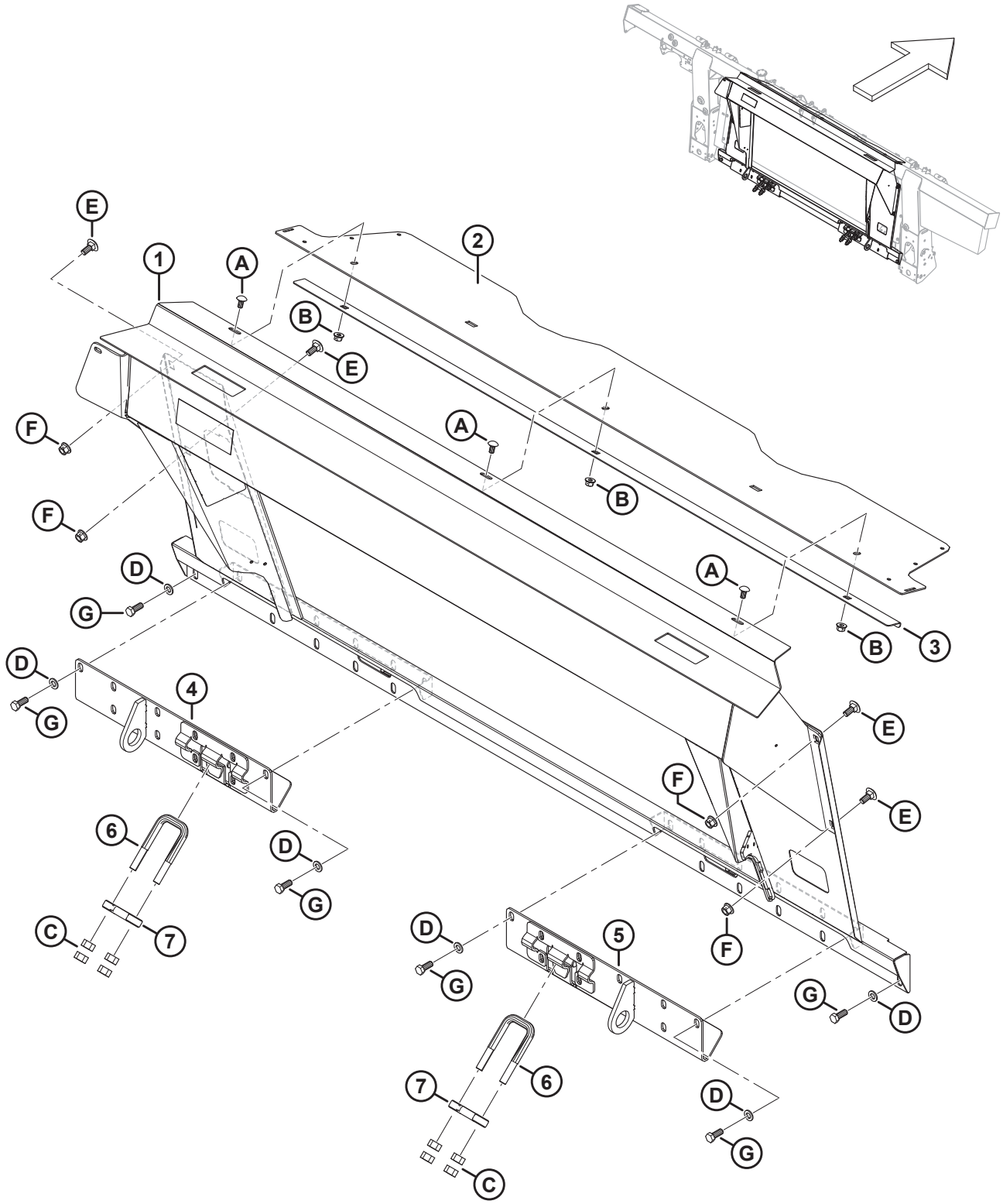
916. Kits are available through Whole Goods only.
917. The multicoupler includes CNH multi-coupler cover kit (MD #129800), latch button kit (MD #129801), three 1/4 inch couplings (MD #129976), and two 3/8 inch coupling (MD #129977).
918. The kit includes one integration completion harness (NSS), one transistor plug (MD #500619), and hardware (MD #134010, MD #134011).
919. This part is a subcomponent of the integration completion harness (NSS).

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
A
B
C
D
E
1044837

Ref	Part Number	Description	Qty	Serial Number
20	REF	HARNESS – CAB ADAPTER [920]	1	
	REF	MODULE – VALVE DRIVER [920]	1	
	REF	WASHER – LOCK, HDP 20, SIZE 24 [920]	1	
	REF	NUT – PANEL, HDP 20, SIZE 24 [920]	1	
21	REF	PLUG – TILT, PASS THRU [921]	1	
22	**500619**	**PLUG – SW PWR** [922]	**1**	
A	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
E	134010	NUT – PANEL, HD 30, SIZE 24		

920. For the harness, valve driver module, and hardware, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*; required for model year 2018 and prior machines only.
921. The pass-thru tilt plug (MD #323698) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for Case combines, but is NOT included in the completion package (B7507). To order the pass-thru tilt plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
922. Adapter harness MD #378100 is required when ordering SW power plug (MD #349362 or MD #500619) for model year 2024 units.

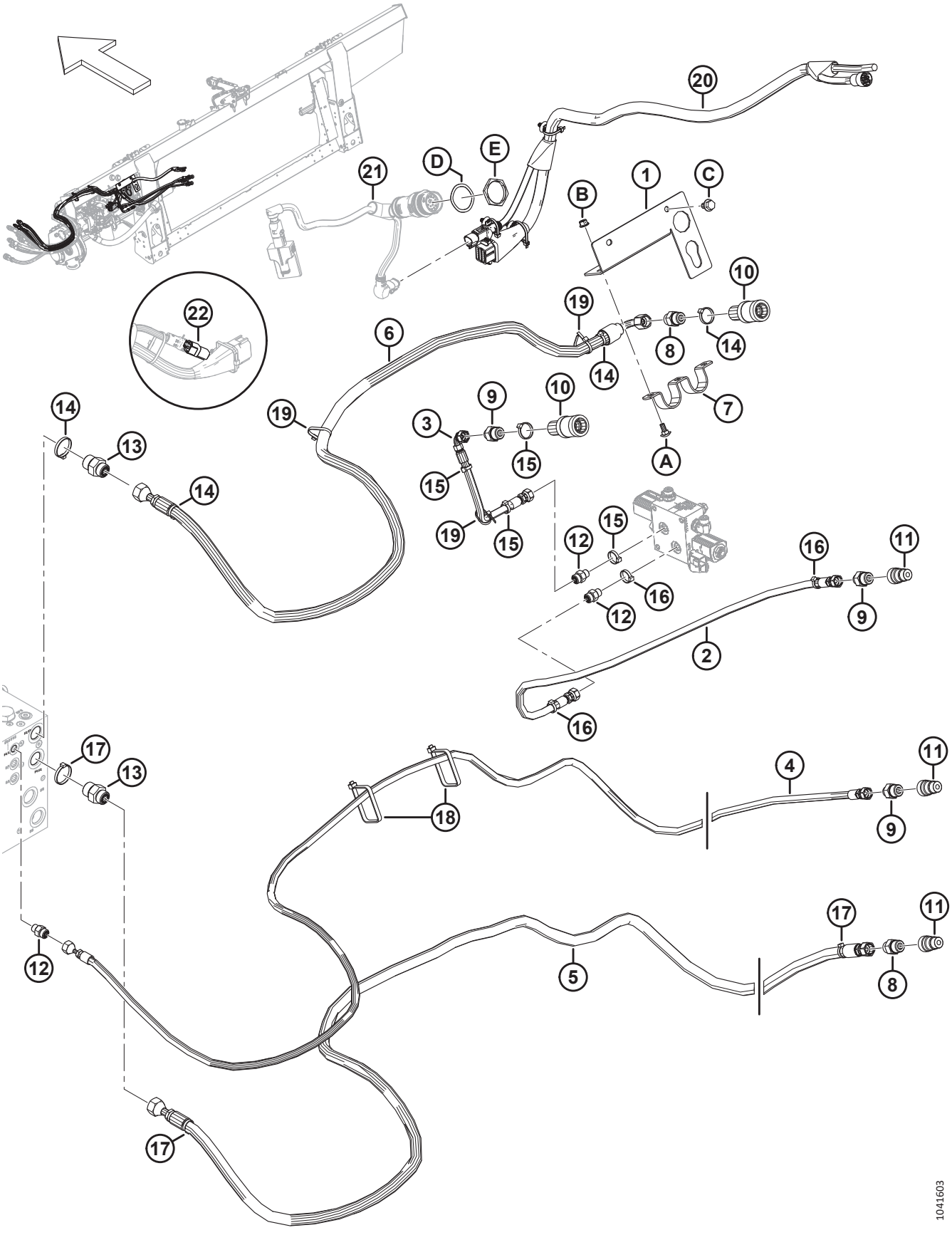
229 Case IH 2300/2500 Series – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7315	KIT – CIH 23/25 TRANSITION FRAME [923]		
1	347731	FRAME – CIH W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347964	ANCHOR – WELDT LH	1	
5	347965	ANCHOR – WELDT RH	1	
6	133242	BOLT – U	2	
7	133241	LATCH – 2300 SERIES COMBINE	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18592	NUT – HEX 5/8-11 UNC-GR 5-ZINC		
D	184714	WASHER – FLAT REG M12-300HV		
E	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		

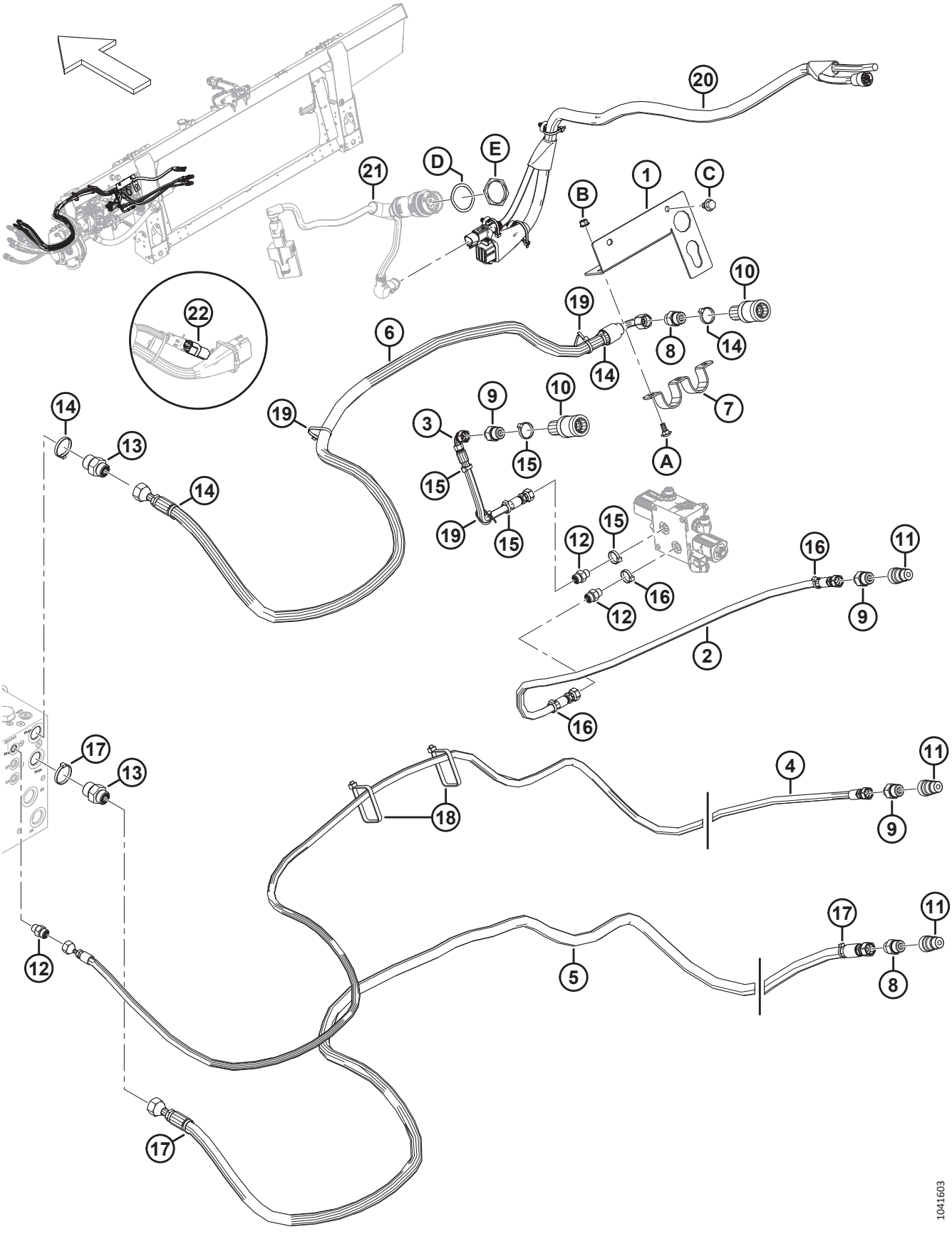
923. Kits are available through Whole Goods only.

230 Case IH 2300/2500 Series – Hydraulic/Electrical Completion



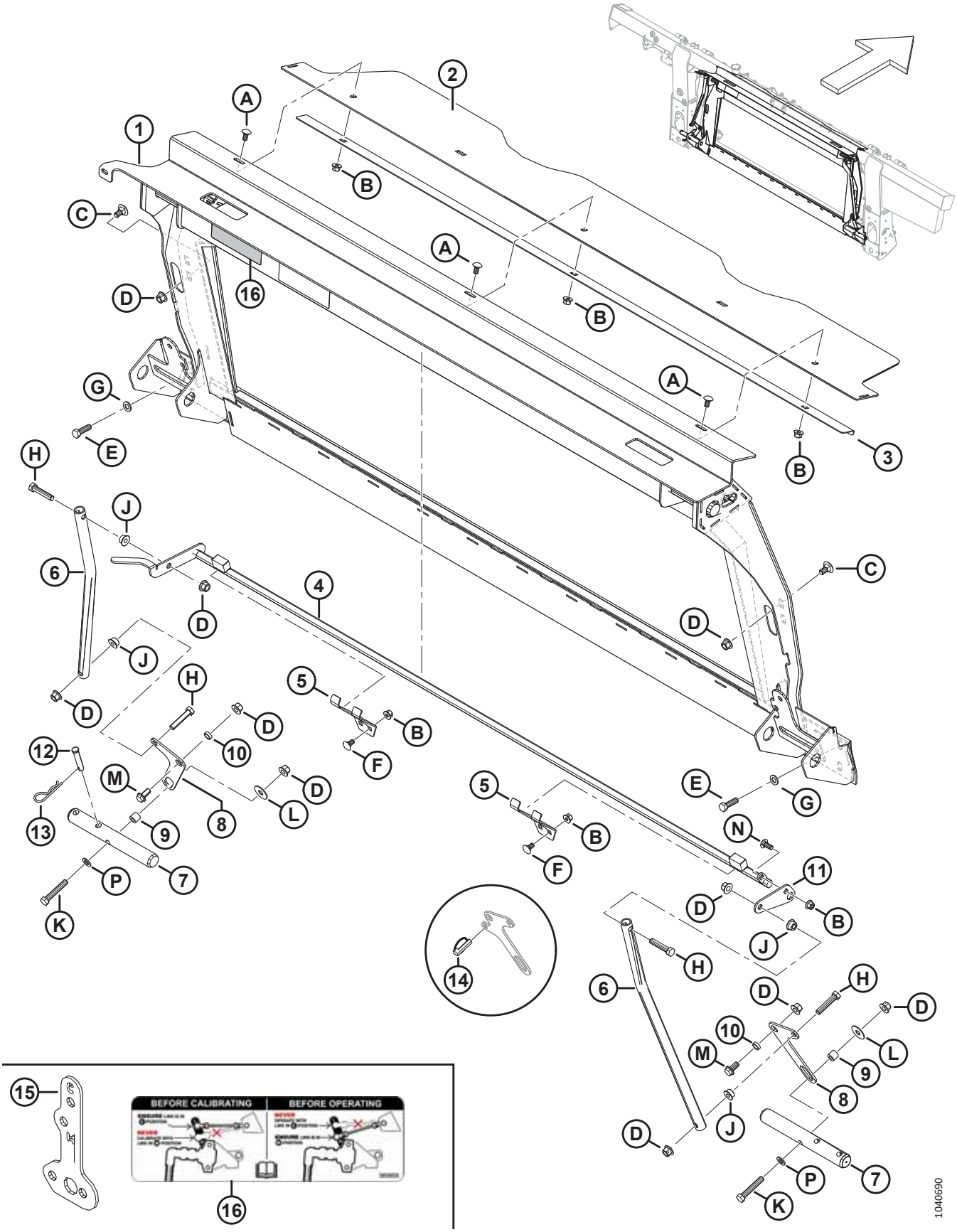
Ref	Part Number	Description	Qty	Serial Number
	B7316	KIT – CIH 23/25 HYD/ELEC [924]		
1	347796	SUPPORT – CONNECTOR	1	
2	323387	HOSE – HYD	1	
3	323386	HOSE – HYD	1	
4	323385	HOSE – HYD	1	
5	323384	HOSE – HYD	1	
6	323383	HOSE – HYD	1	
7	322695	HOLDER	1	
8	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – 2.46 X 19.18		
	135866	O-RING – 1.78 X 12.42		
9	184462	FITTING – ADAPTER HYD	3	
10	114143	FITTING – COUPLING HYD	2	
11	114142	FITTING – COUPLING HYD	3	
12	135778	FITTING – ADAPTER	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
13	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
14	49232	FASTENER – CABLE TIE, WHITE	4	
15	49227	FASTENER – CABLE TIE, GREEN	4	
16	40702	FASTENER – CABLE TIE, RED	3	
17	40701	FASTENER – CABLE TIE, YELLOW	3	
18	30753	FASTENER – CABLE TIE, BLACK	2	
19	21763	FASTENER – CABLE TIE, BLACK	3	
20	335663	HARNESS – COMP CIH 23XX/25XX	1	
21	REF	HARNESS – CAB ADAPTER [925]	1	
	REF	MODULE – VALVE DRIVER [925]	1	
22	REF	PLUG – FLOAT CONFIG. 1 SENSOR (AUTO HEADER HEIGHT) [926]	1	
A	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		

924. Kits are available through Whole Goods only.
925. The FM200 cab adapter harness and valve driver module are NOT included in the completion package (B7316). To order the harness and/or valve driver module, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
926. The auto header height float plug (MD #328560) connects to the float module's main harness at P600. The float plug is required when converting from the incomplete configuration or from machines configured for Case combines, but is NOT included in the completion package (B7316). To order the float plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.


20
21
D
E
1
C
B
22
10
19
6
8
14
7
A
3
9
15
12
16
2
4
18
5
17
13
1041603

Ref	Part Number	Description	Qty	Serial Number
D	134730	WASHER – LOCK, HDP 20, SIZE 24		
E	134728	NUT – PANEL, HDP 20, SIZE 24		

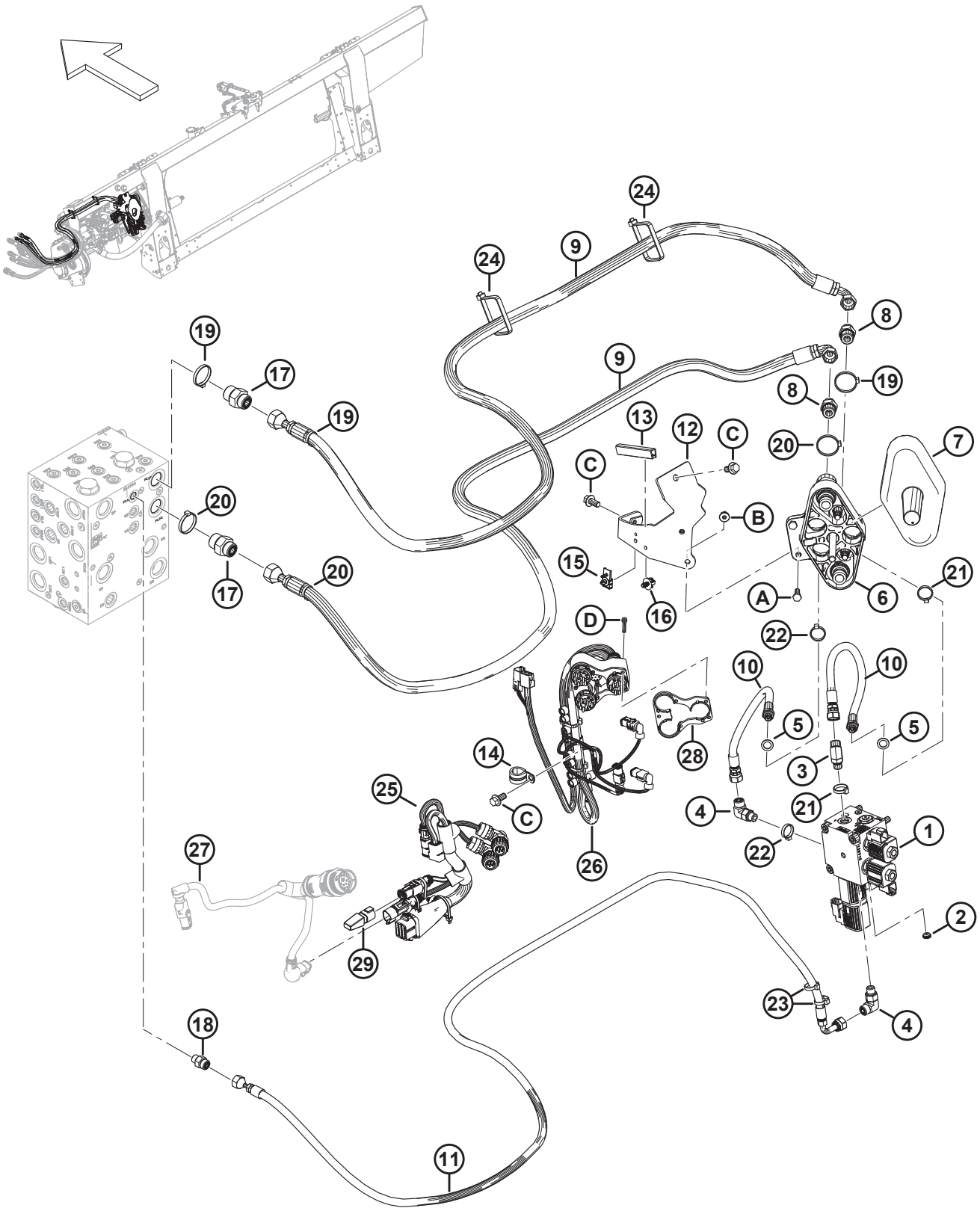
231 CLAAS – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7563	**KIT – CLAAS TRANSITION FRAME** [927]		
1	**368543**	**FRAME – CLAAS TRNSN W/ DECAL**	**1**	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	335849	LATCH – WELDMENT	1	
5	245246	SUPPORT – LOCK KEEPER	2	
6	156783	TUBE – LINK	2	
7	133138	SHAFT	2	
8	304669	LEVER – PIVOT	2	
9	337043	BUSHING – M12 THREADED	2	
10	133439	SPACER – 0.75 OD X 0.120 IN WALL	2	
11	328582	LEVER	1	
12	19809	PIN – CLEVIS	1	
13	13125	PIN – HAIR	1	
14	113561	PIN – LYNCH [928]	A/R	
15	357776	ARM – CLAAS FORE/AFT CENTER LINK	1	
16	360859	DECAL – CLAAS TILT SENSOR LINK	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
F	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
G	184714	WASHER – FLAT REG M12-300HV		
H	237316	BOLT – HEX HD TFL M12 X 1.75 X 60-8.8-AA1J		
J	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
K	184675	BOLT – HEX HD M12 X 1.75 X 70-8.8-AA1J		
L	32247	WASHER – FLAT		
M	136625	BOLT – HEX SER FLG HD M12 X 1.75 X 25 X SPCL-100-AA1J		
N	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
P	184714	WASHER – FLAT REG M12-300HV		

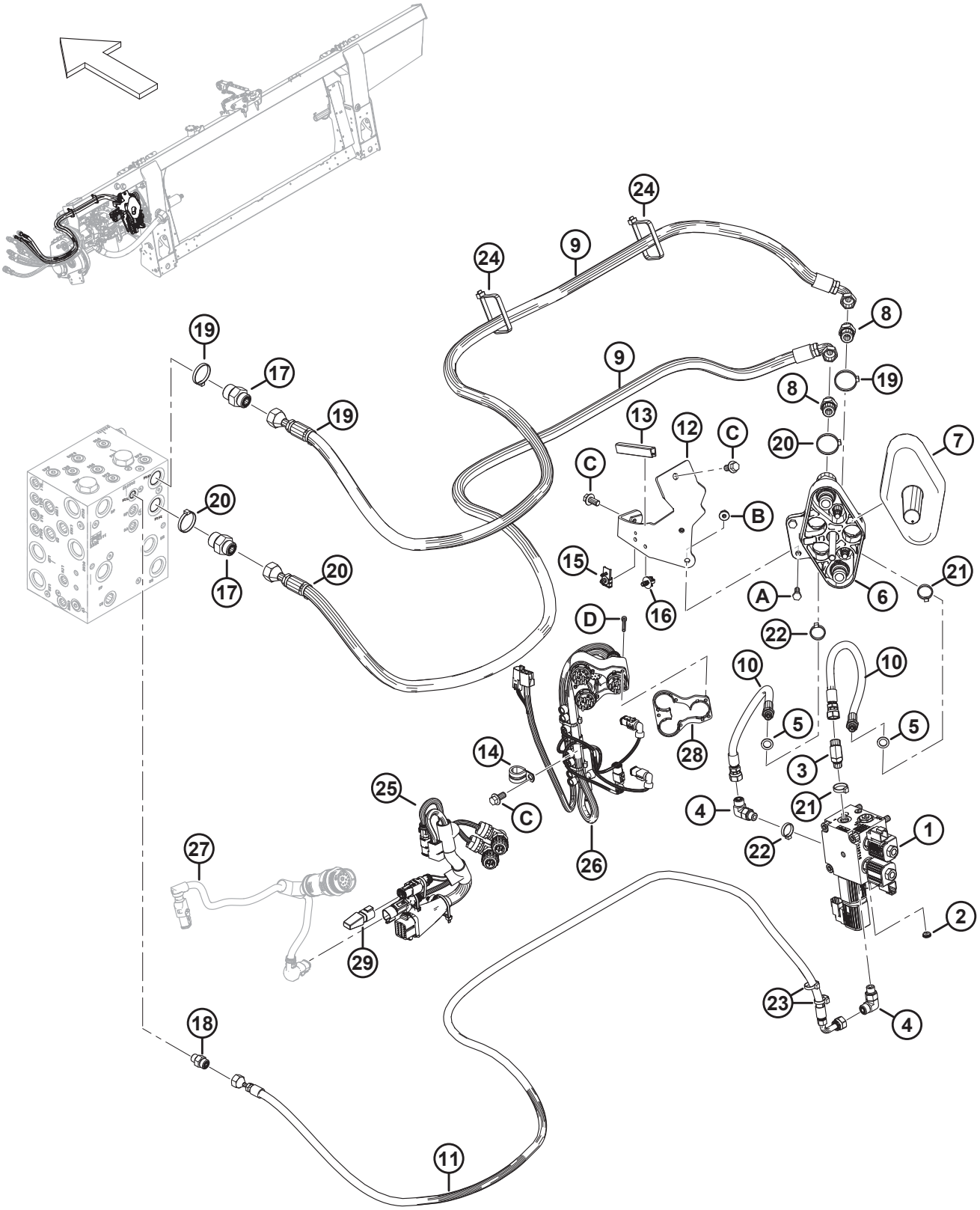
927. Kits are available through Whole Goods only.
928. Service part only for 2022 and prior units with superseded pivot lever (MD #347569).

232 CLAAS – Hydraulic/Electrical Completion (2022 and Prior)



Ref	Part Number	Description	Qty	Serial Number
	B7058	KIT – CLAAS/LEXION HYD ELEC COMPLETION [929]		
	REF	KIT – CLAAS/LEXION HYD COMPLETION [930]		
	REF	KIT – CLAAS/LEXION ELEC COMPLETION [931]		
1	328548	VALVE – SELECTOR, CLAAS [932]	1	
2	252693	RESTRICTOR – #6 ORB X .052 IN.	1	
3	136144	FITTING – ELBOW 45° HYD	1	
4	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
5	320195	SEAL – BONDED WASHER	2	
6	190866	COUPLER – LEXION MULTI LINK	1	
7	129481	COVER	1	
8	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
9	314820	HOSE – HYD, REEL **PRESSURE/**RETURN CLAAS	**2**	
10	314819	HOSE – HYD, REEL POSITION CLAAS	2	
11	314817	HOSE – HYD, REEL LIFT CLAAS	1	
12	347954	SUPPORT – COUPLER WELDMENT	1	
13	162116	SEAL – EDGE TRIM	1	
14	135709	CLAMP – INSULATED 3/4 IN.	1	
15	134612	CLIP – RECEPTACLE MOUNT	1	
16	136655	FASTENER – FIR TREE MT W/ TIE	1	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	49232	FASTENER – CABLE TIE, WHITE	3	
20	40701	FASTENER – CABLE TIE, YELLOW	3	
21	40704	FASTENER – CABLE TIE, ORANGE	2	
22	40703	FASTENER – CABLE TIE, BLUE	2	
23	21763	FASTENER – CABLE TIE, BLACK	2	
24	30753	FASTENER – CABLE TIE, BLACK	2	

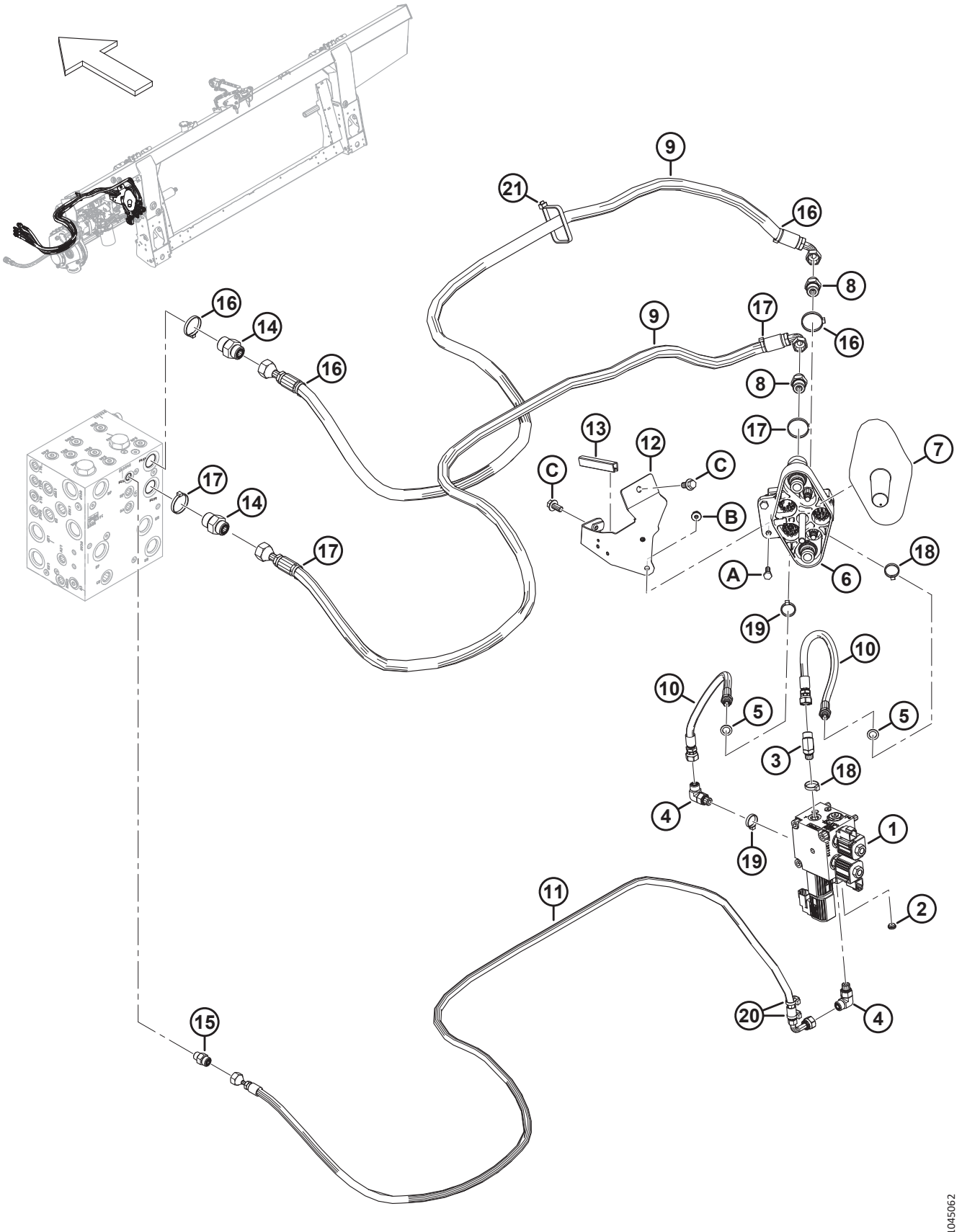
929. Kit (B7058) is not current after model year 2022 and has been replaced with hydraulic completion kit (B7406) and electrical completion kit (B7540) for model year 2023 and later. Kits are available through Whole Goods only.
930. For model year 2023 and later CLAAS hydraulic completion kit service parts, refer to Section *233 CLAAS – Hydraulic Completion (2023 and Later), page 597*.
931. For model year 2023 and later CLAAS electrical completion kit service parts, refer to Section *234 CLAAS – Electrical Completion (2023 and Later), page 599*.
932. For service parts, refer to section *235 CLAAS – Selector Valve, Service Parts, page 603*.


1045061

Ref	Part Number	Description	Qty	Serial Number
25	335431	HARNESS – COMP., CLAAS	1	
26	323936	HARNESS – COUPLER, CLAAS [933]	1	
	213824	HARNESS – LEXION COUPLER MOD [934]		
	129772	HARNESS – WIRING, CLAAS [934]		
27	REF	HARNESS – CAB ADAPTER [935]	1	
	REF	MODULE – VALVE DRIVER [935]	1	
	REF	WASHER – LOCK, HDP 20, SIZE 24 [935]	1	
	REF	NUT – PANEL, HDP 20, SIZE 24 [935]	1	
28	129773	SPACER – WIRING HARNESS	1	
29	283215	DIODE PACK – 6A DIODE [936]	1	
	REF	KIT – INTEGRATION, CLAAS [937]	1	
A	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
D	129965	SCREW – HEX SOC HD M5 X 0.8 X 45		

933. Includes harness MD #213824 and harness MD #129772.
934. Service part for CLAAS harness MD #323936.
935. For the harness, valve driver module, and hardware, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
936. Service part for CLAAS completion harness MD #335431.
937. The CLAAS integration kit is available as an option for model year 2022 and prior machines. For service parts, refer to Section *258 (Option) Integration Kit – CLAAS, page 659*.

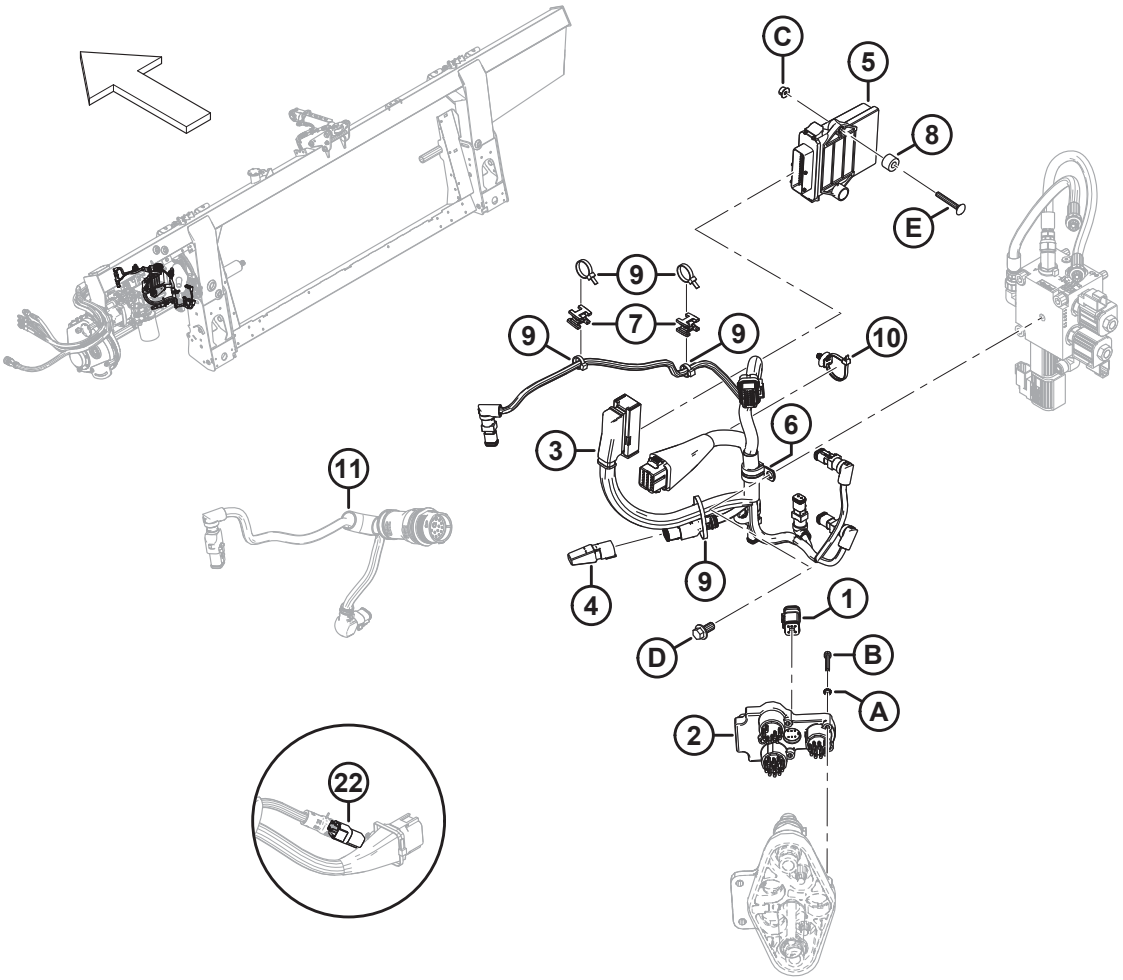
233 CLAAS – Hydraulic Completion (2023 and Later)

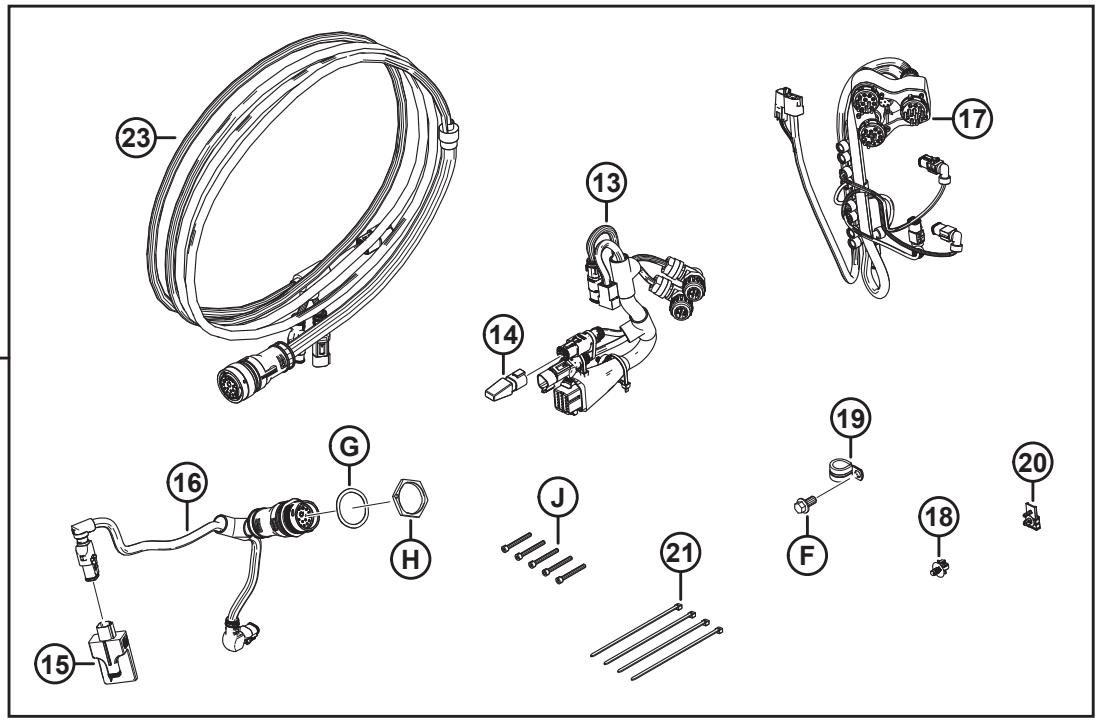


Ref	Part Number	Description	Qty	Serial Number
	B7406	KIT – CLAAS/LEXION HYD COMPLETION [938]		
1	328548	VALVE – SELECTOR, CLAAS [939]	1	
2	252693	RESTRICTOR – #6 ORB X .052 IN.	1	
3	136144	FITTING – ELBOW 45° HYD	1	
4	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
5	320195	SEAL – BONDED WASHER	2	
6	190866	COUPLER – LEXION MULTI LINK	1	
7	129481	COVER	1	
8	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
9	314820	HOSE – HYD, REEL **PRESSURE/**RETURN CLAAS	**2**	
10	314819	HOSE – HYD, REEL POSITION CLAAS	2	
11	314817	HOSE – HYD, REEL LIFT CLAAS	1	
12	347954	SUPPORT – COUPLER WELDMENT	1	
13	162116	SEAL – EDGE TRIM	1	
14	135786	FITTING – ADAPTER [940]	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
15	135778	FITTING – ADAPTER [940]	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
16	49232	FASTENER – CABLE TIE, WHITE	3	
17	40701	FASTENER – CABLE TIE, YELLOW	3	
18	40704	FASTENER – CABLE TIE, ORANGE	2	
19	40703	FASTENER – CABLE TIE, BLUE	2	
20	21763	FASTENER – CABLE TIE, BLACK	2	
21	30753	FASTENER – CABLE TIE, BLACK [940]	1	
A	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

938. Kits are available through Whole Goods only.
939. For service parts, refer to Section *235 CLAAS – Selector Valve, Service Parts, page 603*.
940. This part is installed at the factory and is **NOT** included in the hydraulic completion kit (B7406).

234 CLAAS – Electrical Completion (2023 and Later)

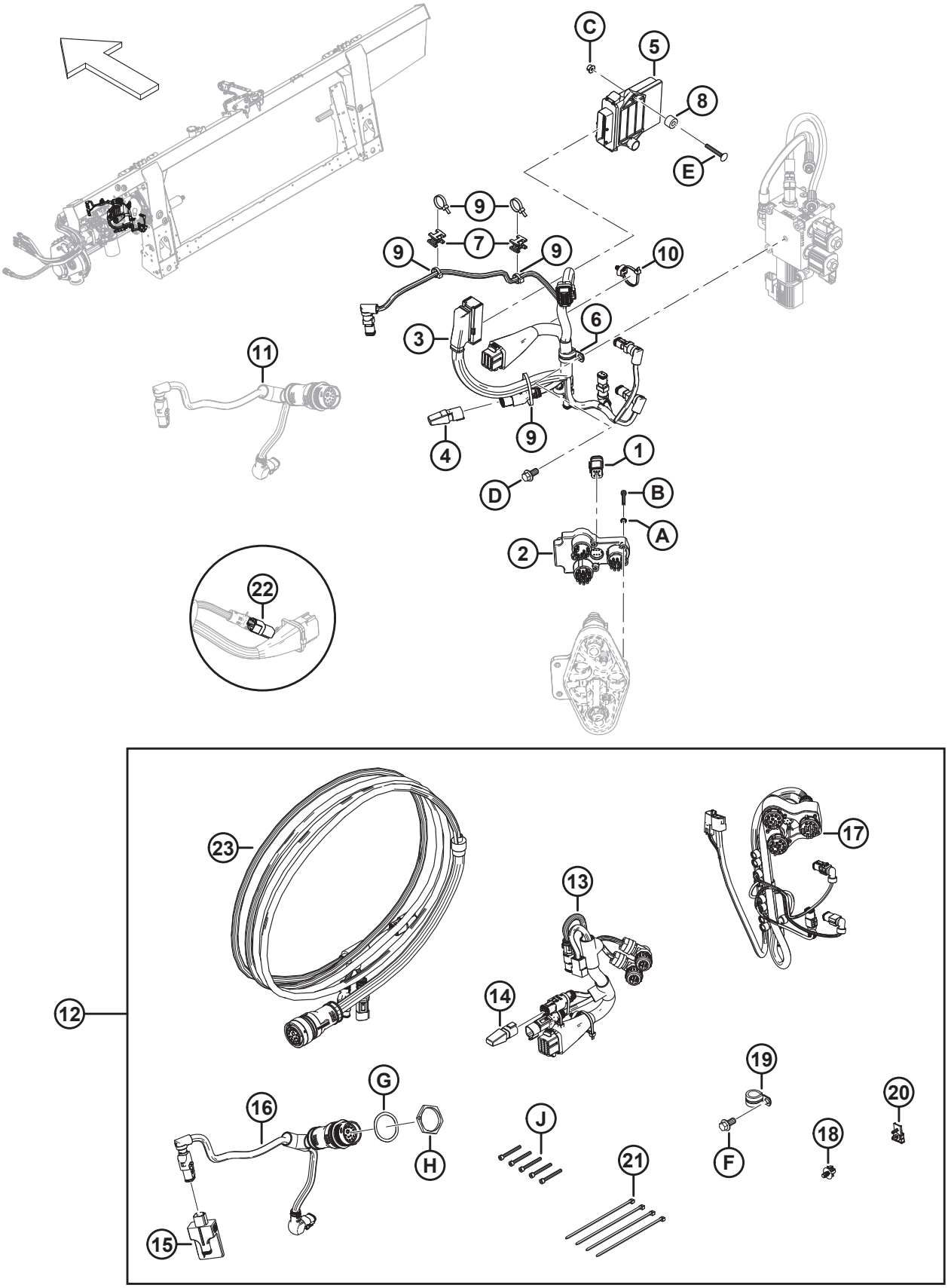




1044848

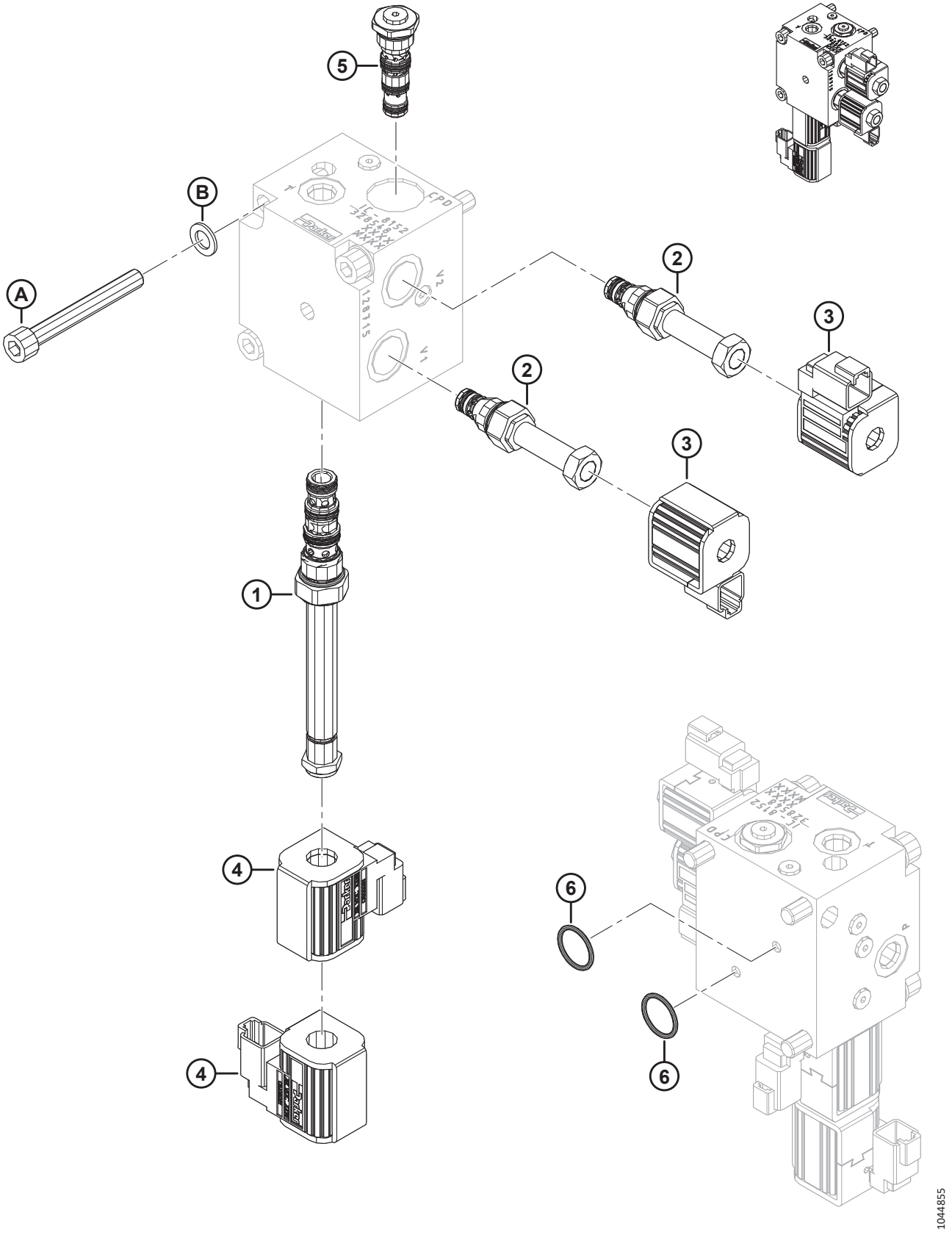
Ref	Part Number	Description	Qty	Serial Number
1	337352	PLUG – TERMINATOR	1	
2	500605	COUPLER MODULE	1	
3	357119	HARNESS – FM2 COMP, CLAAS INTEGRATION CONTROLLER	1	
4	283215	DIODE PACK – 6A DIODE [941]	1	
5	328065	MODULE – HEADER INTEGRATION	1	
6	135709	CLAMP – INSULATED 3/4 IN.	1	
7	134442	SPACER – DUAL SWIVEL SADDLE	2	
8	328913	SPACER	2	
9	21763	FASTENER – CABLE TIE, BLACK	5	
10	136655	FASTENER – FIR TREE MT W/ TIE	1	
11	REF	HARNESS – CAB ADAPTER [942]	1	
12	**B7540**	**KIT – CLAAS NON-INT. ELEC COMPLETION** [943]	**A/R**	
13	335431	HARNESS – COMP., CLAAS	1	
14	283215	DIODE PACK – 6A DIODE [944]	1	
15	328411	MODULE – VALVE DRIVER	1	
16	322383	HARNESS – CAB ADAPTER	1	
17	323936	HARNESS – COUPLER, CLAAS [945]	1	
	213824	HARNESS – LEXION COUPLER MOD [946]		
	129772	HARNESS – WIRING, CLAAS [946]		
18	136655	FASTENER – FIR TREE MT W/ TIE	1	
19	135709	CLAMP – INSULATED 3/4 IN.	1	
20	134612	CLIP – RECEPTACLE MOUNT	1	
21	21763	FASTENER – CABLE TIE, BLACK	4	
22	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [947]	1	
23	**328549**	**KIT – CAB CONTROL** [948]	**1**	
A	184703	WASHER – EXT LK TOOTH M5-200HV-AF0C		
B	173117	SCREW – HEX SOC HD M5 X 0.8 X 35-8.8-AA1J		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
E	136731	BOLT – RHSN M6 X 1 X 45-8.8-AA1J		
F	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
G	134730	WASHER – LOCK, HDP 20, SIZE 24		

941. Service part for CLAAS completion harness MD #337119.
942. For the cab adapter harness, valve driver module, and size 24 hardware, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
943. Kits are available through Whole Goods only.
944. Service part for CLAAS completion harness MD #335431.
945. Includes harness MD #213824 and harness MD #129772.
946. Service part for CLAAS harness MD #323936.
947. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for CLAAS combines, but is NOT included in the completion package (B7540). To order the float plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
948. The kit includes combine cab control harness (NSS) and instructions.


C
5
8
E
9
7
9
9
10
3
6
11
4
9
1
D
B
A
2
22
12
23
13
17
14
19
20
G
16
J
21
18
H
F
15
1044848

Ref	Part Number	Description	Qty	Serial Number
H	134728	NUT – PANEL, HDP 20, SIZE 24		
J	129965	SCREW – HEX SOC HD M5 X 0.8 X 45		

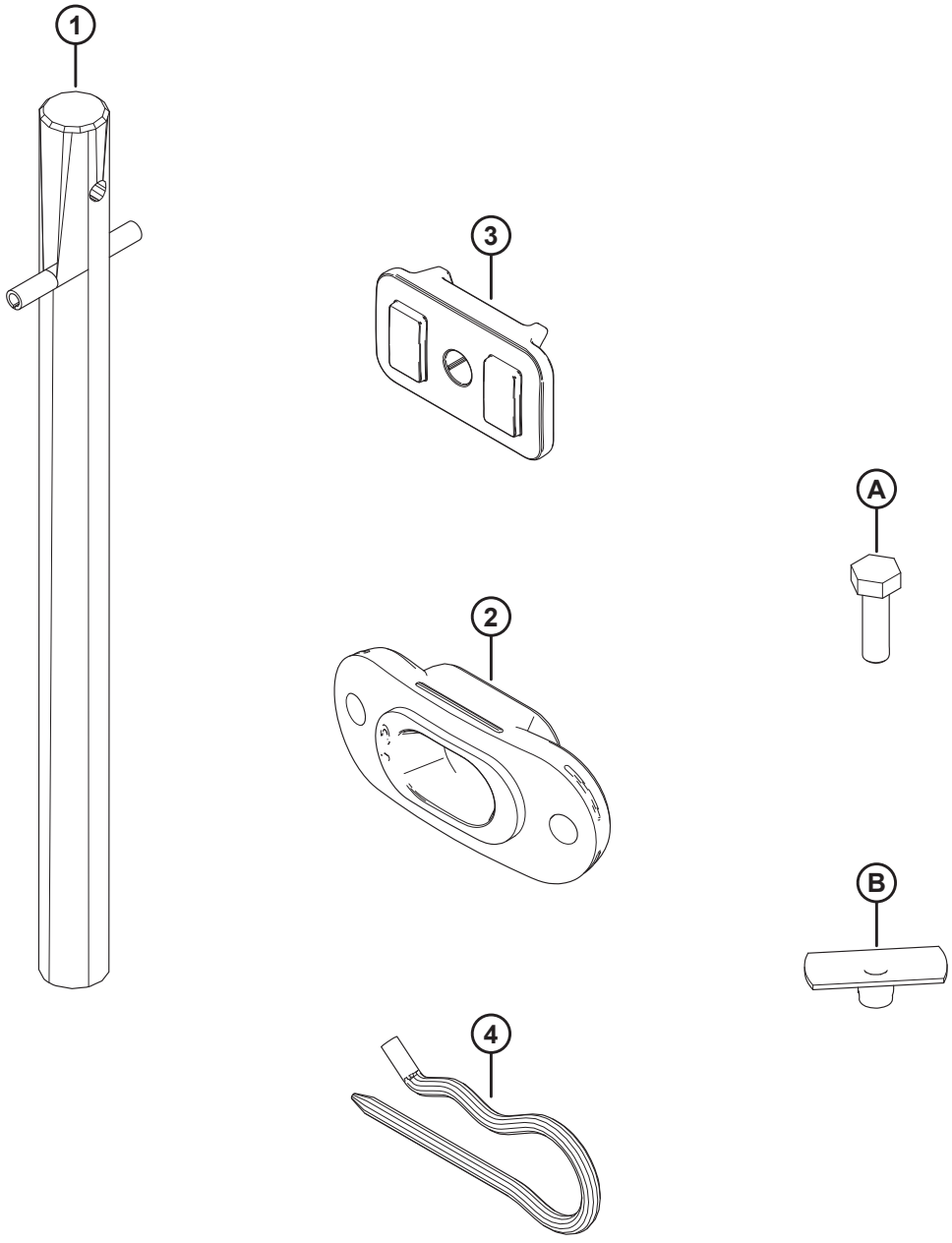
235 CLAAS – Selector Valve, Service Parts



Ref	Part Number	Description	Qty	Serial Number
	328548	**VALVE – SELECTOR, CLAAS** [949]		
1	**287456**	**VALVE – 3-POS 4-WAY**	**1**	
	287465	**SEAL KIT**		
2	**287460**	**VALVE – NC POPPET**	**2**	
	287465	**SEAL KIT**		
3	**287461**	**COIL – 12VDC - .500 IN.**	**2**	
4	**287462**	**COIL – 12VDC - .625 IN.**	**2**	
5	**279228**	**VALVE – CARTRIDGE, PO CHECK**	**1**	
	220959	**SEAL KIT**		
6	**320284**	**O-RING – 2.38 X 20.64**	**2**	
A	**136108**	**SCREW – HEX SOC HD M10 X 1.5 X 80-12.9-AA1J**		
B	**184711**	**WASHER – FLAT REG M10-200HV-AA1J**		

949. The selector valve includes all listed parts and hardware.

236 CLAAS – Auger Completion

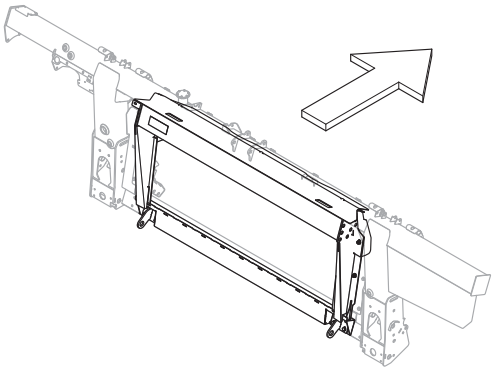


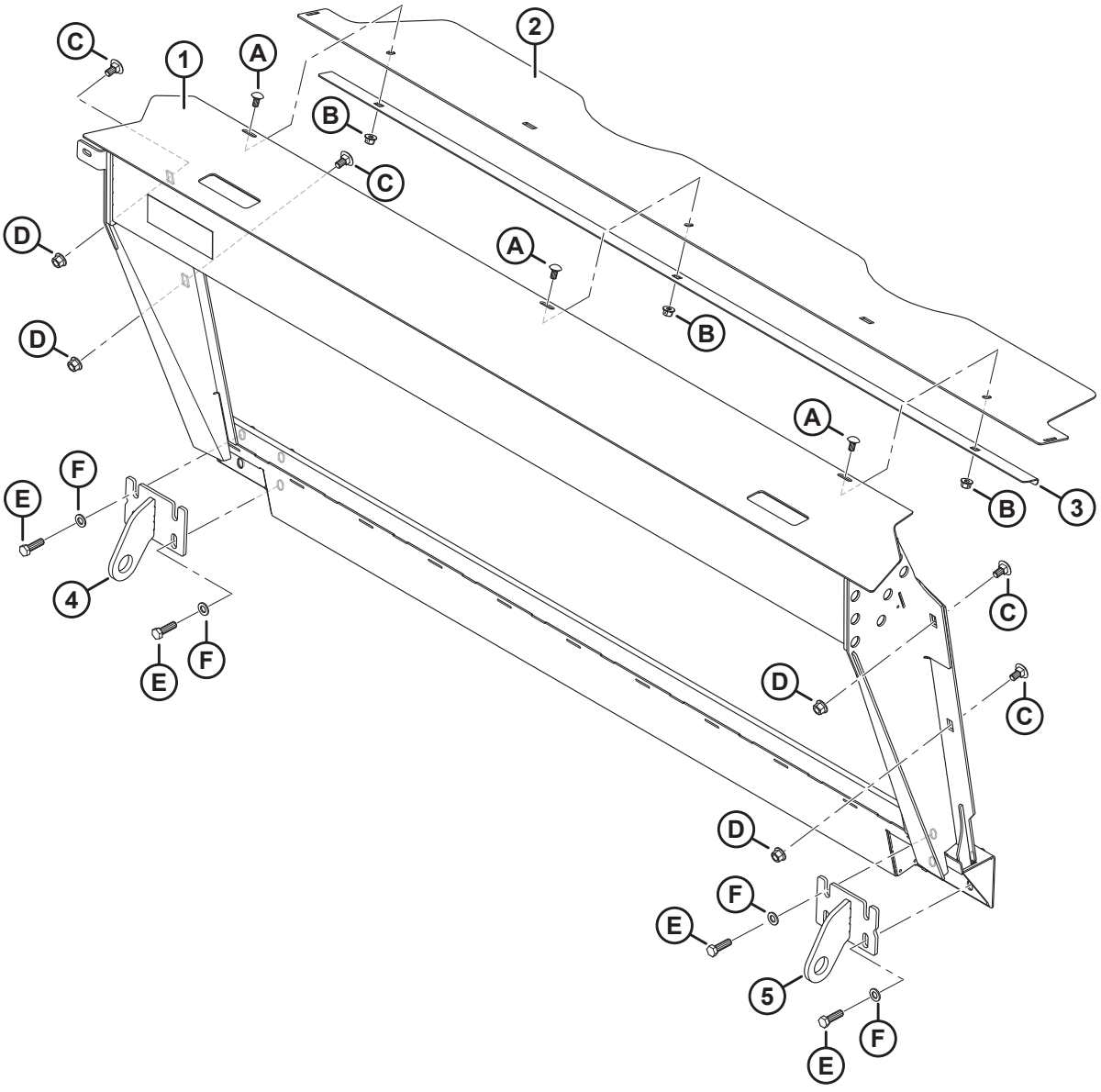
1032782

Ref	Part Number	Description	Qty	Serial Number
1	337152	KIT – FINGER [950]	8	
	7642	PIN – SPRING 3/16 DIA X 1.5 LG	8	
2	337143	GUIDE	8	
3	213084	PLUG – FLIGHTING SLOT	8	
4	123180	PIN – HAIR	8	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
B	197263	NUT – TEE M6 X 1		

950. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.

237 John Deere S and S7 Series – Float Module Completion

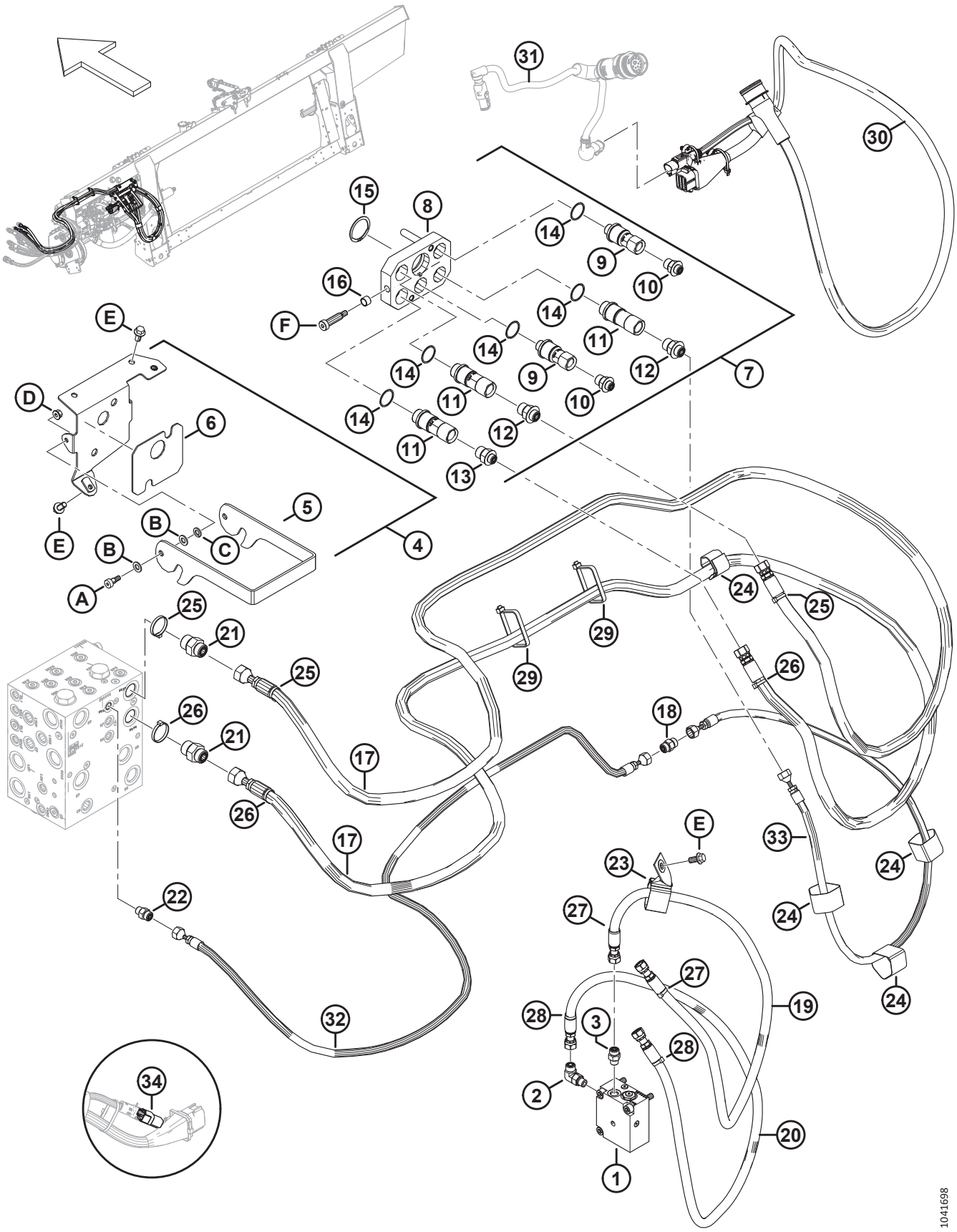




Ref	Part Number	Description	Qty	Serial Number
	B7044	KIT – JD-S TRANSITION FRAME [951]		
1	347301	TRANS FRAME W/ DECAL – ASSY, JD CM	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347179	ANCHOR – WELDT LH	1	
5	347180	ANCHOR – WELDT RH	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
F	184714	WASHER – FLAT REG M12-300HV		

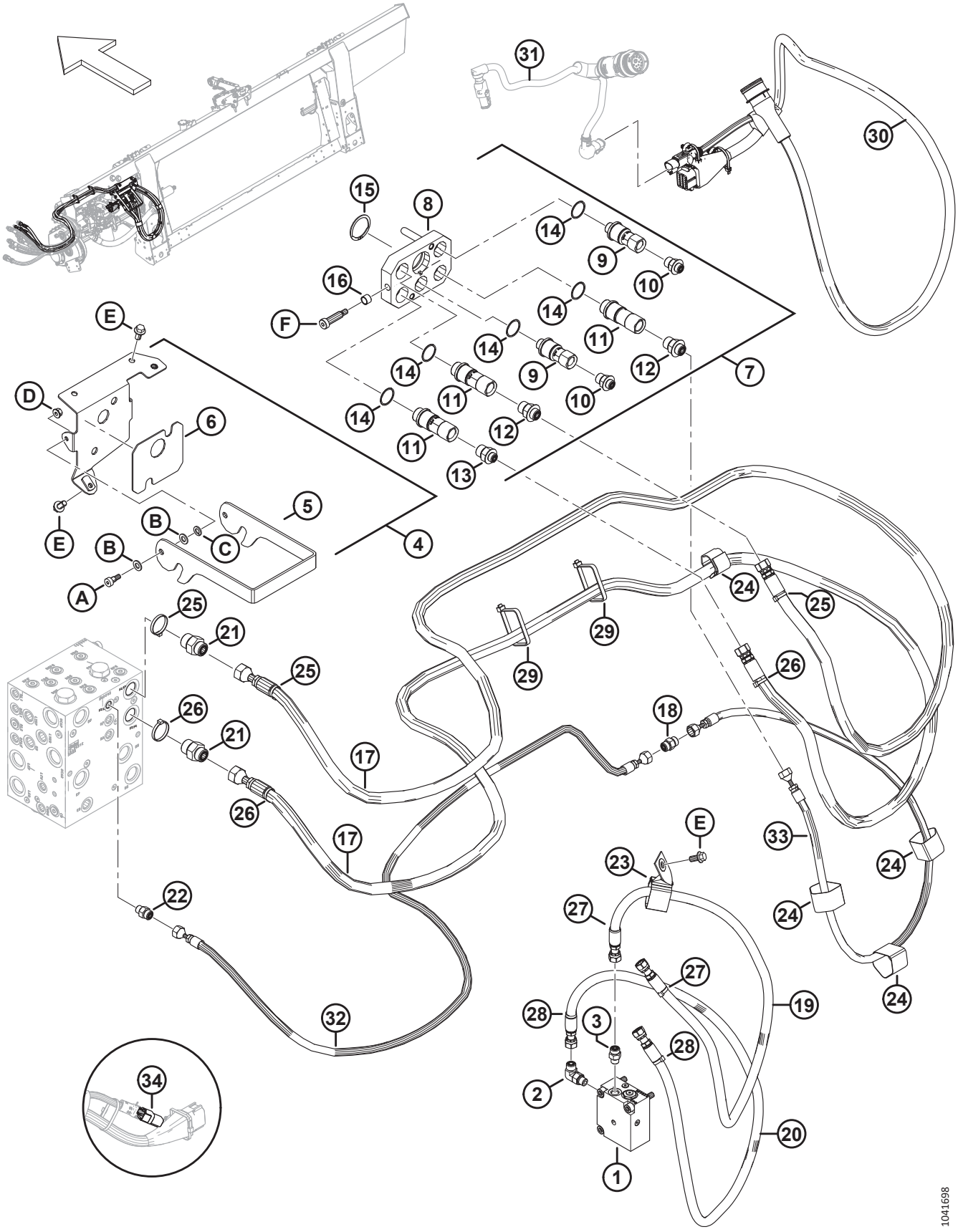
951. Kits are available through Whole Goods only.

238 John Deere S and T Series – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7057	KIT – JD S/T HYD ELEC COMPLETION [952]		
1	335342	VALVE – PO, CHECK	1	
	220959	SEAL KIT		
	279228	VALVE – CARTRIDGE, PO CHECK		
	320284	O-RING – 2.38 X 20.64		
	184711	WASHER – FLAT REG M10-200HV-AA1J		
2	136095	FITTING – ELBOW 90° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
3	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
4	322216	ASSEMBLY – MULTI COUPLER MOUNT JD	1	
5	248960	LATCH – COUPLER BRACKET	1	
6	129149	PAD – RUBBER	1	
7	328002	COUPLING – MULTI JD 5-POSITION	1	
8	182182	PLATE ASSY – JD MULTICOUPLER	1	
9	191704	COUPLER – 3/8, JD MULTI COUPLER	2	
	129859	SEAL KIT – 3/8 IN MULTI-COUPLER		
10	191705	FITTING – ADAPTER HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135865	O-RING – Ø1.78 X Ø9.25		
11	184460	COUPLER – 1/2 IN FF MULTI COUPLER	3	
	129860	SEAL KIT – 1/2 IN.60 SERIES MULTI-COUPLER		
12	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
13	184462	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135865	O-RING – Ø1.78 X Ø9.25		
14	184603	RING – RETAINING, JD COUPLER	5	
15	135267	RING – INVERTED EXT RETAINING	1	
16	182181	BUSHING – JD MULTICOUPLER	2	
17	314706	HOSE – HYD, REEL DRIVE JD	2	
18	136219	FITTING – UNION SAE -6 ORFS	1	
	135865	O-RING – Ø1.78 X Ø9.25		
19	314708	HOSE – HYD, REEL AFT JD	1	
20	314707	HOSE – HYD, REEL FORE JD	1	
21	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		

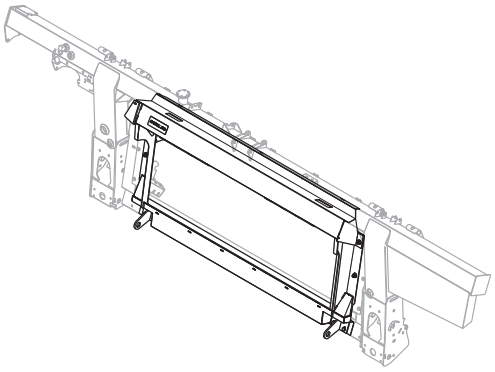
952. Kits are available through Whole Goods only.

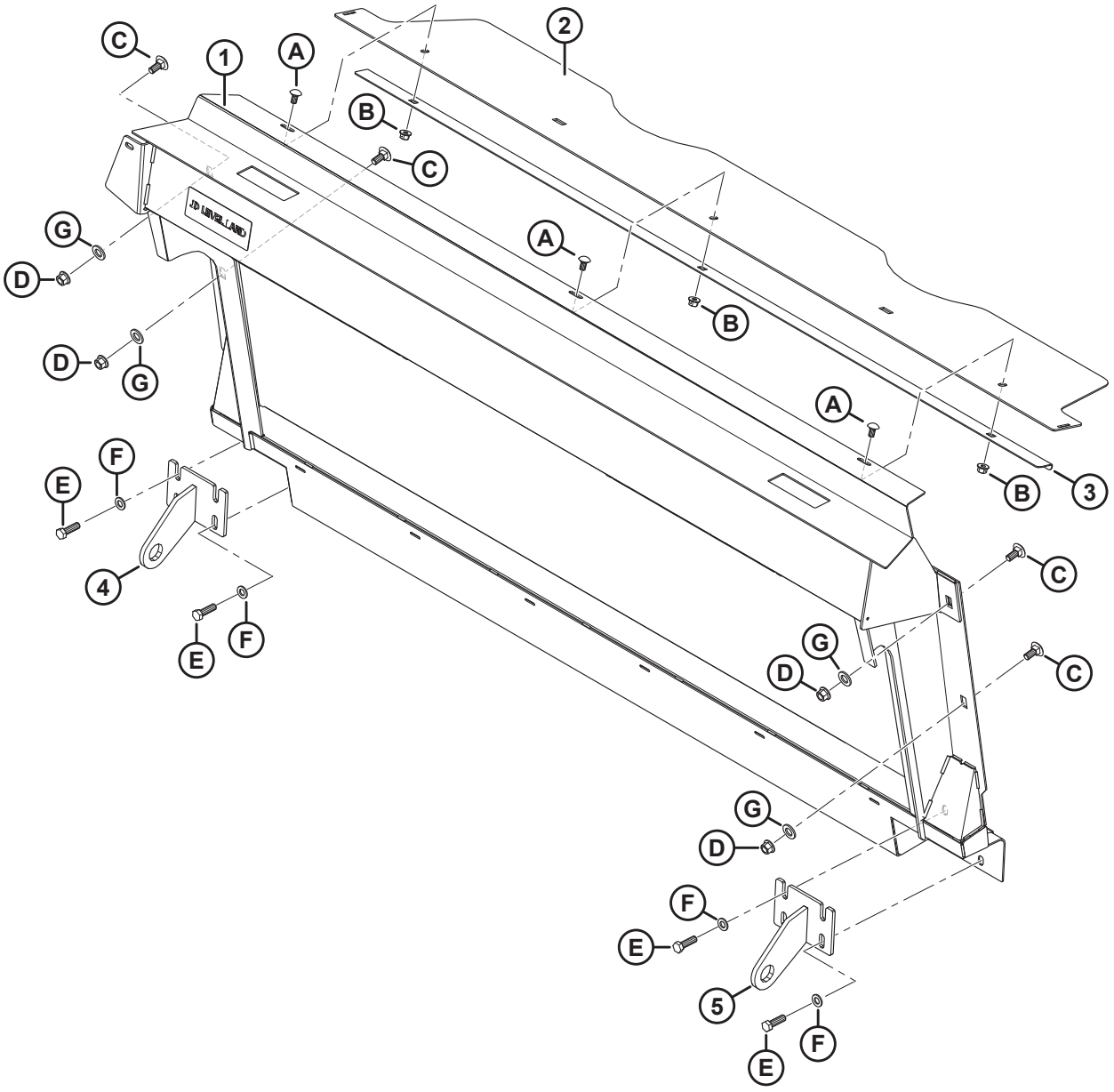

1041698

Ref	Part Number	Description	Qty	Serial Number
22	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
23	163598	CINCH STRAP – HANGING, 6 IN LG	1	
24	135444	CINCH STRAP – 6 IN LG	4	
25	49232	FASTENER – CABLE TIE, WHITE	3	
26	40701	FASTENER – CABLE TIE, YELLOW	3	
27	40702	FASTENER – CABLE TIE, RED	3	
28	49227	FASTENER – CABLE TIE, GREEN	3	
29	30753	FASTENER – CABLE TIE, BLACK	2	
30	322387	HARNESS – COMP., JD	1	
31	REF	HARNESS – CAB ADAPTER [953]	1	
	REF	**MODULE – VALVE DRIVER** [953]	**1**	
32	337652	HOSE – HYD, REEL LIFT [954]	1	
33	337651	HOSE – HYD, REEL LIFT [955]	1	
34	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [956]	1	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	30632	WASHER – LOCK SPRING M10		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	184524	SCREW – HEX SOC HD SHLDR 1/2-3/8		

953. The FM200 cab adapter harness and valve driver module are NOT included in the completion package (B7057). To order the harness and/or valve driver module, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
954. Connects to the hydraulic block.
955. Connects to the quick coupler.
956. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for John Deere S and T Series combines, but is NOT included in the completion package (B7057). To order the float plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.

239 John Deere T Series – Float Module Completion

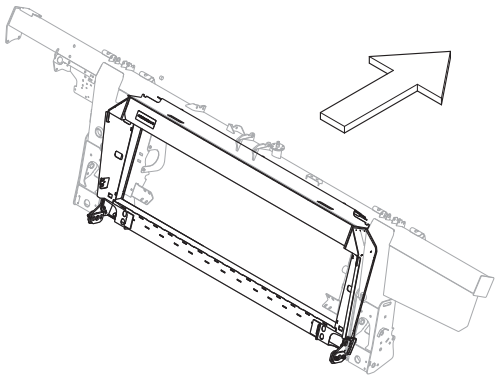


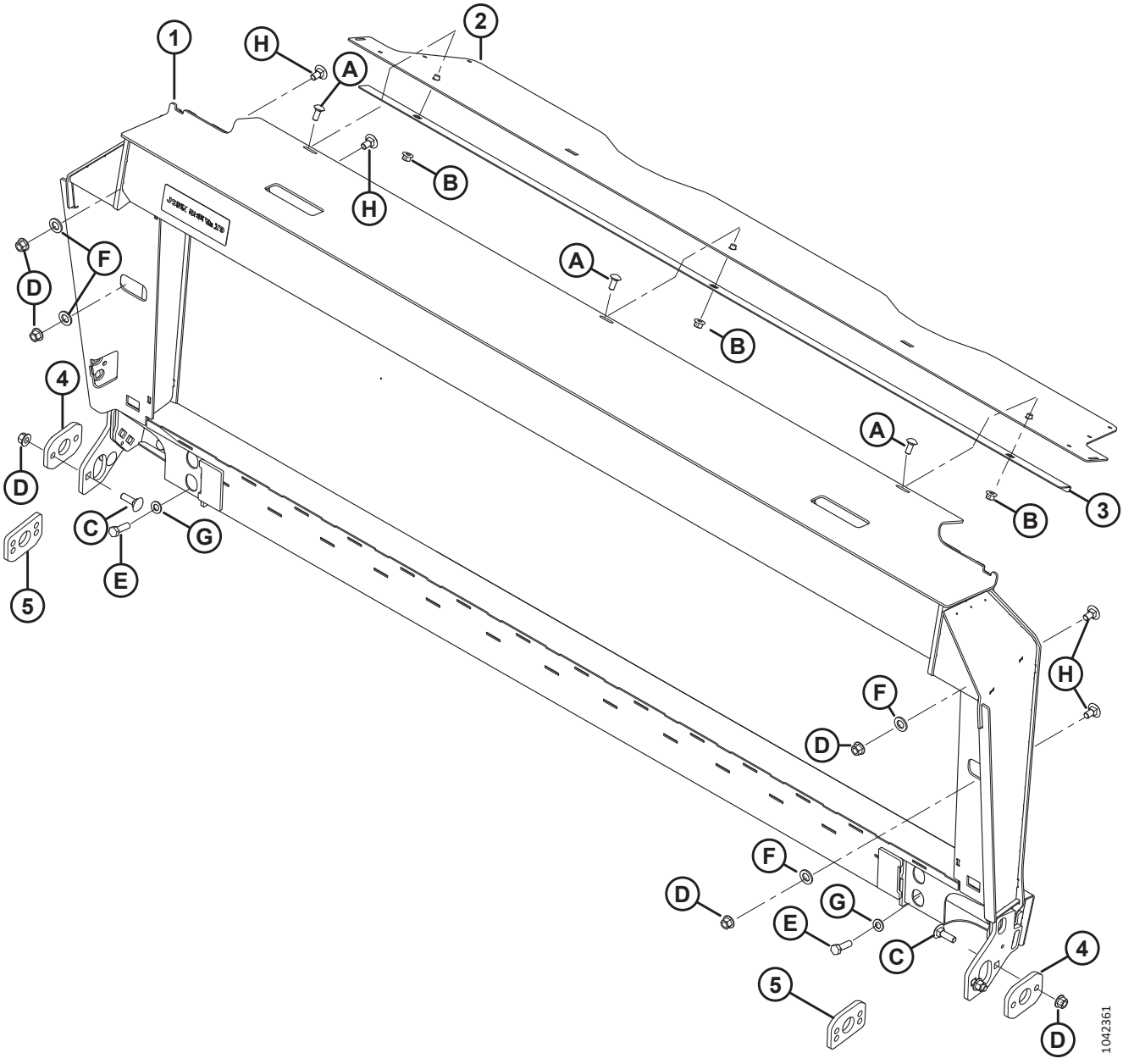


Ref	Part Number	Description	Qty	Serial Number
	B7341	KIT – JD-LEVEL LAND TRANSITION FRAME [957]		
1	357171	ASSEMBLY – JD LL TRANS FRAME W/DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	151941	ANCHOR – WELDT LH	1	
5	151942	ANCHOR – WELDT RH	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
F	184714	WASHER – FLAT REG M12-300HV		
G	184717	WASHER – FLAT REG M16-200HV-AA1J		

957. Kits are available through Whole Goods only.

240 John Deere X9 Series – Float Module Completion

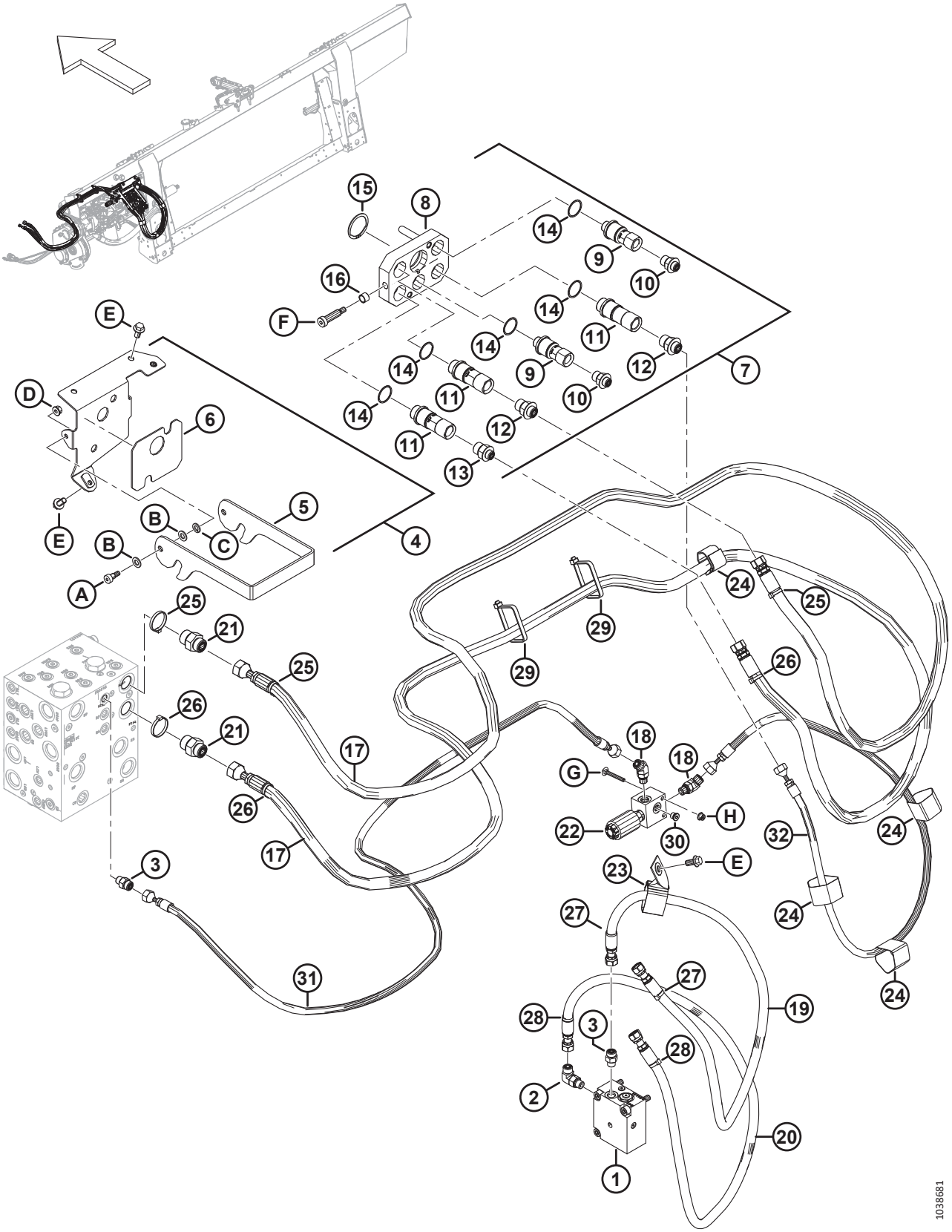




Ref	Part Number	Description	Qty	Serial Number
	B7533	KIT – JD-X9 TRANSITION FRAME [958]		
1	368660	TRANSITION FRAME W/ DECAL – JD X9	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	368656	PLATE – ADJUSTMENT (ONE POSITION) [959]	2	
5	**368626**	**PLATE – ADJUSTMENT (TWO POSITION)** [960]	**2**	
A	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
F	184717	WASHER – FLAT REG M16-200HV-AA1J		
G	184714	WASHER – FLAT REG M12-300HV		
H	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		

958. Kits are available through Whole Goods only.
959. One-position adjustment plates.
960. Two-position adjustment plates.

241 John Deere X9 Series – Hydraulic Completion (2024 and Prior)

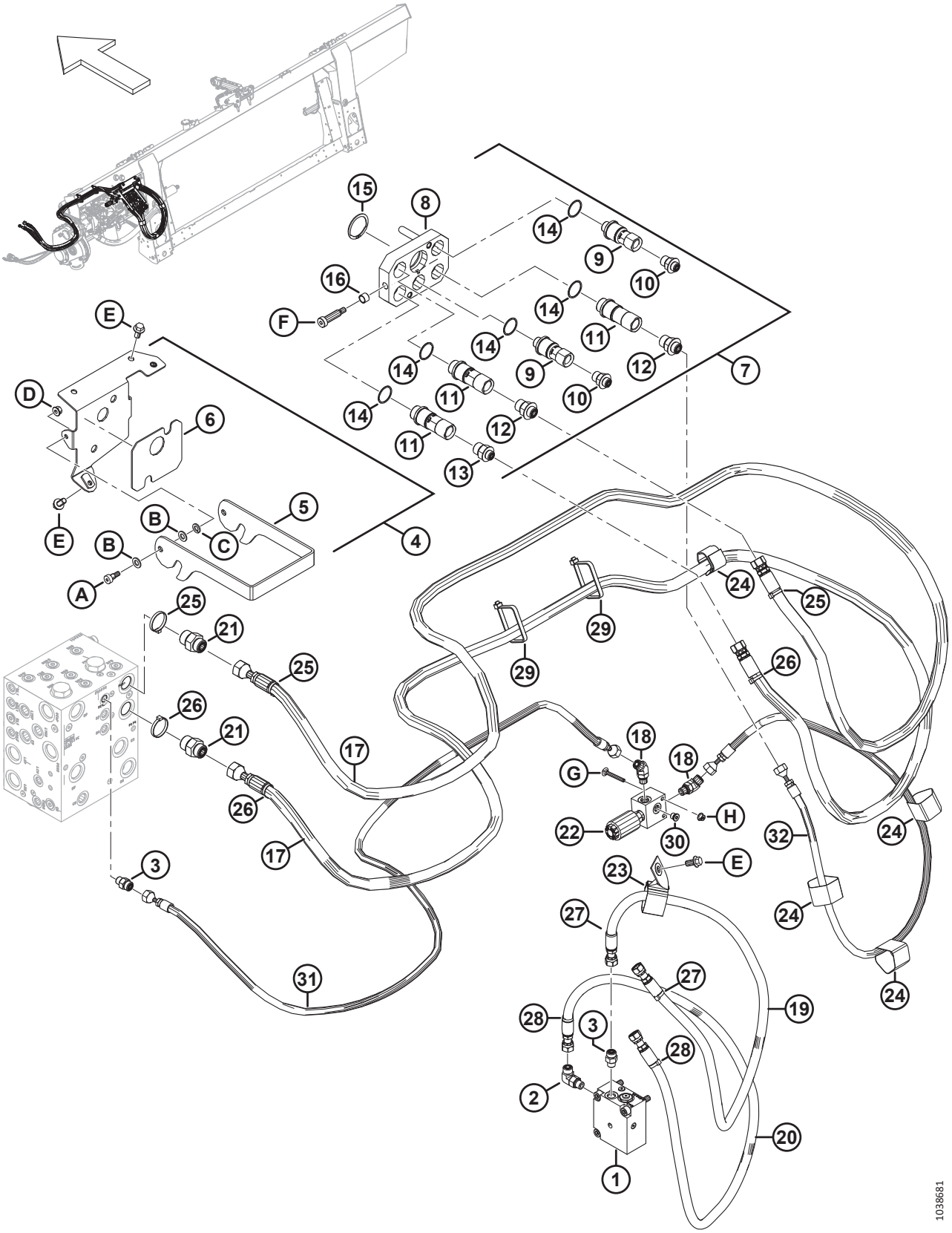


NOTE:

All the hydraulic parts listed in this section remain available to service units made in model year 2024 and prior.

Ref	Part Number	Description	Qty	Serial Number
	REF	**KIT – JD X9 HYD ELEC COMPLETION** [961]		
	REF	**KIT – X9 REEL REVERSE** [962]	**A/R**	**–521189**
1	335342	VALVE – PO, CHECK	1	**–521189**
	220959	SEAL KIT		
	279228	VALVE – CARTRIDGE, PO CHECK		**–521189**
	320284	O-RING – 2.38 X 20.64		
	320392	SCREW – HEX SOC HD M10 X 1.5 X 55-8.8-ZINC		
	184711	WASHER – FLAT REG M10-200HV-AA1J		
2	136095	FITTING – ELBOW 90° HYD	1	**–521189**
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
3	135778	FITTING – ADAPTER	2	**–521189**
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
4	322216	ASSEMBLY – MULTI COUPLER MOUNT JD	1	**–521189**
5	248960	LATCH – COUPLER BRACKET	1	**–521189**
6	129149	PAD – RUBBER	1	**–521189**
7	328002	COUPLING – MULTI JD 5-POSITION	1	**–521189**
8	182182	PLATE ASSY – JD MULTICOUPLER	1	**–521189**
9	191704	COUPLER – 3/8, JD MULTI COUPLER	2	**–521189**
	129859	SEAL KIT – 3/8 IN MULTI-COUPLER		
10	191705	FITTING – ADAPTER HYD	2	**–521189**
	44209	O-RING – Ø2.21 X Ø16.36		
	135865	O-RING – Ø1.78 X Ø9.25		
11	184460	COUPLER – 1/2 IN FF MULTI COUPLER	3	**–521189**
	129860	SEAL KIT – 1/2 IN. 60 SERIES MULTI-COUPLER		
12	184463	FITTING – ADAPTER HYD	2	**–521189**
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
13	184462	FITTING – ADAPTER HYD	1	**–521189**
	44210	O-RING – Ø2.46 X Ø19.18		
	135865	O-RING – Ø1.78 X Ø9.25		

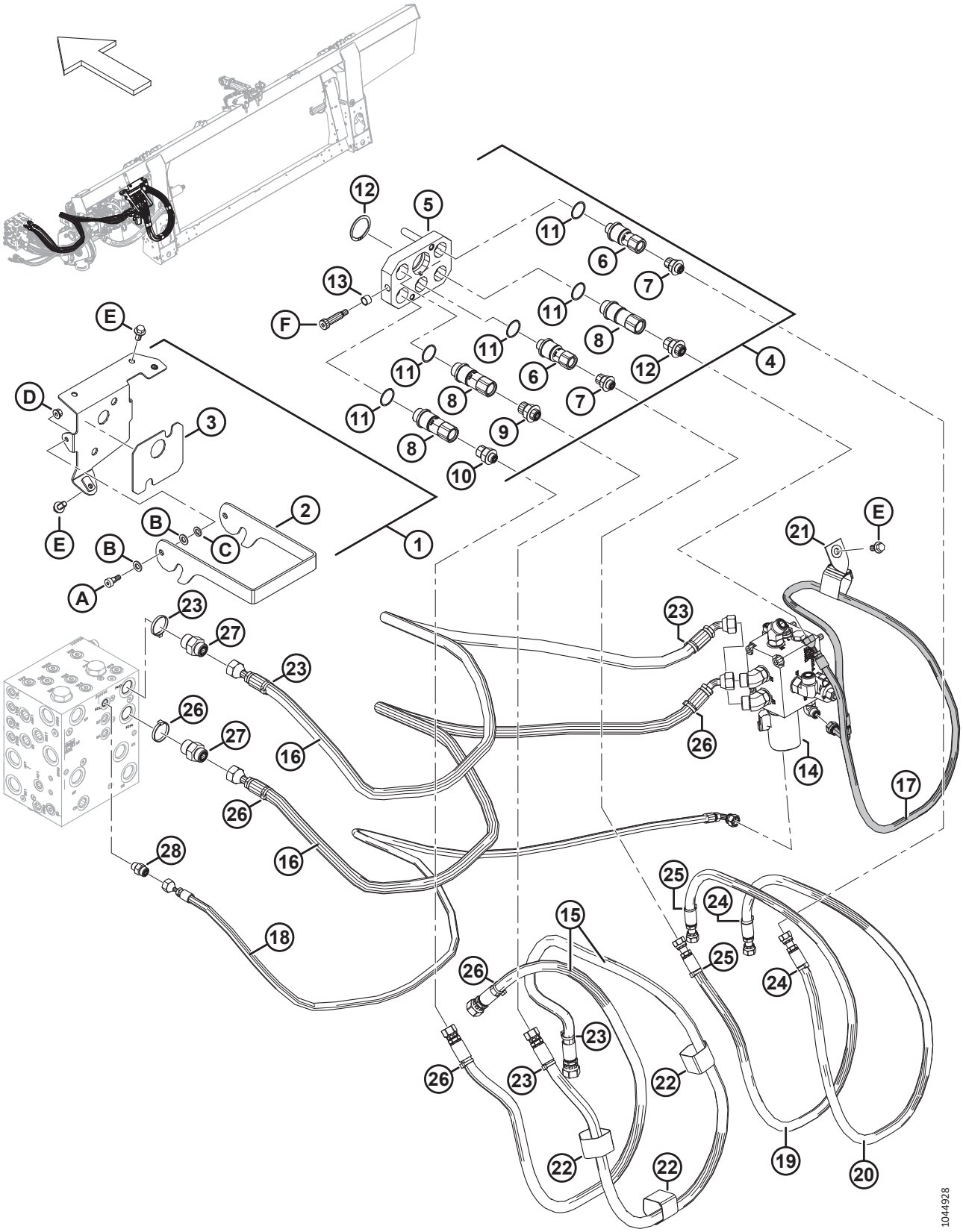
961. Includes all parts listed in Section *242 John Deere X9 and S7 Series – Hydraulic Completion (2025 and Later), page 621* and Section *244 John Deere X9 and S7 Series – Electrical Completion, page 627*. All the hydraulic parts listed in this section remain available to service units made in model year 2023 and prior. Kits are available through Whole Goods only.
962. The X9 Reel Reverse kit is used to update 2024 and prior units configured for John Deere X9 Series combines with the ability to operate the reel in reverse. For service parts, refer to Section *242 John Deere X9 and S7 Series – Hydraulic Completion (2025 and Later), page 621* and Section *244 John Deere X9 and S7 Series – Electrical Completion, page 627*. Kits are available through Whole Goods only.


1038681

Ref	Part Number	Description	Qty	Serial Number
14	184603	RING – RETAINING, JD COUPLER	5	**–521189**
15	135267	RING – INVERTED EXT RETAINING	1	**–521189**
16	182181	BUSHING – JD MULTICOUPLER	2	**–521189**
17	314706	HOSE – HYD, REEL DRIVE JD	2	**–521189**
18	136144	FITTING – ELBOW 45° HYD	2	**–521189**
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	314708	HOSE – HYD, REEL AFT JD	1	**–521189**
20	314707	HOSE – HYD, REEL FORE JD	1	**–521189**
21	135786	FITTING – ADAPTER	2	**–521189**
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
22	337551	MANIFOLD – BLOCKING VALVE	1	**–521189**
23	163598	CINCH STRAP – HANGING, 6 IN LG	1	**–521189**
24	135444	CINCH STRAP – 6 IN LG	4	**–521189**
25	49232	FASTENER – CABLE TIE, WHITE	3	**–521189**
26	40701	FASTENER – CABLE TIE, YELLOW	3	**–521189**
27	40702	FASTENER – CABLE TIE, RED	3	**–521189**
28	49227	FASTENER – CABLE TIE, GREEN	3	**–521189**
29	30753	FASTENER – CABLE TIE, BLACK	2	**–521189**
30	102711	FITTING – PLUG HYD 4 ORB HEX SOC	1	**–521189**
31	337652	HOSE – HYD, REEL LIFT [963]	1	**–521189**
32	337651	HOSE – HYD, REEL LIFT [964]	1	**–521189**
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	30632	WASHER – LOCK SPRING M10		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	184524	SCREW – HEX SOC HD SHLDR 1/2-3/8		
G	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
H	152668	NUT – HEX FLG CTR LOC M6 X 1-8		

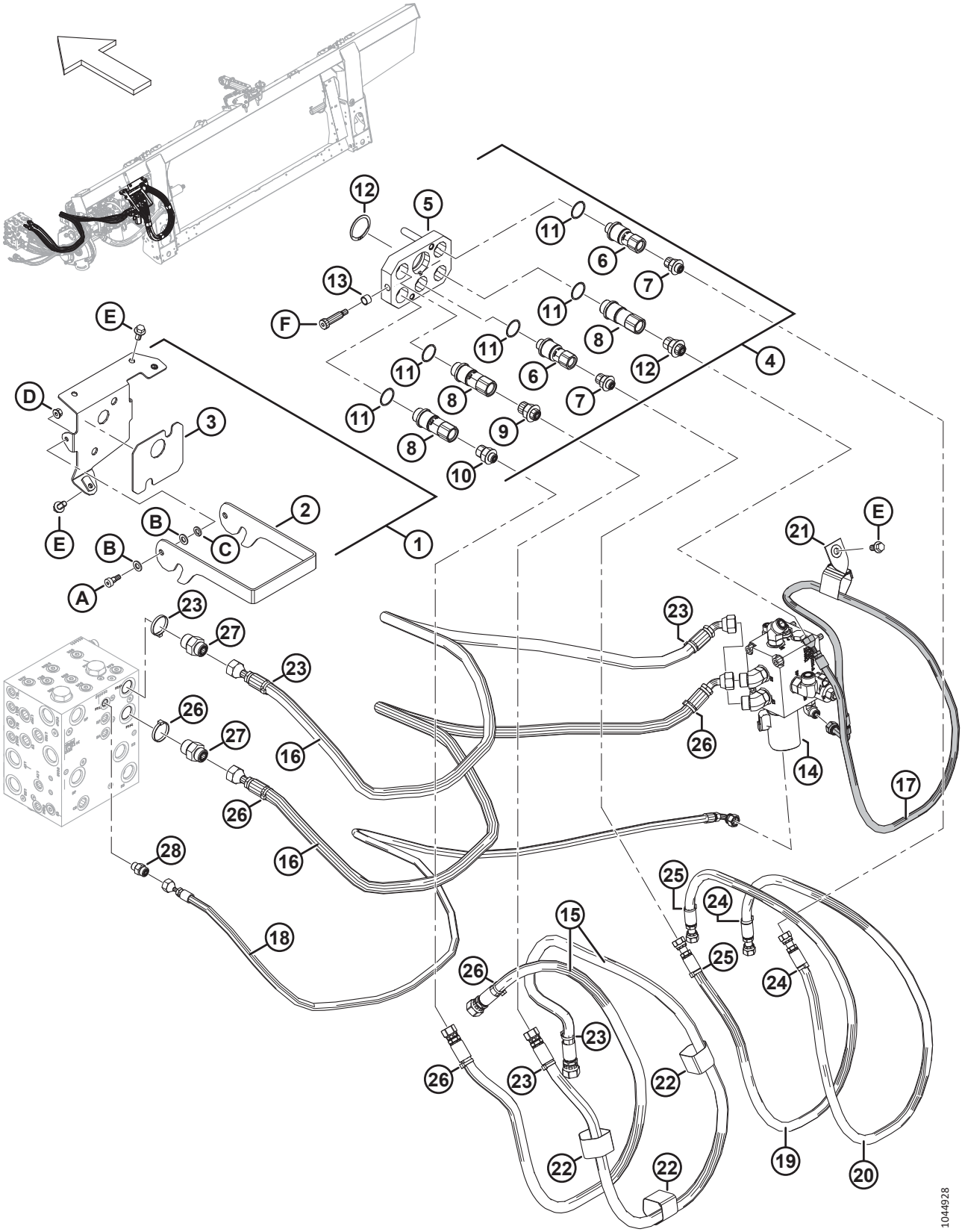
963. Connects to the hydraulic block.
964. Connects to the quick coupler.

242 John Deere X9 and S7 Series – Hydraulic Completion (2025 and Later)



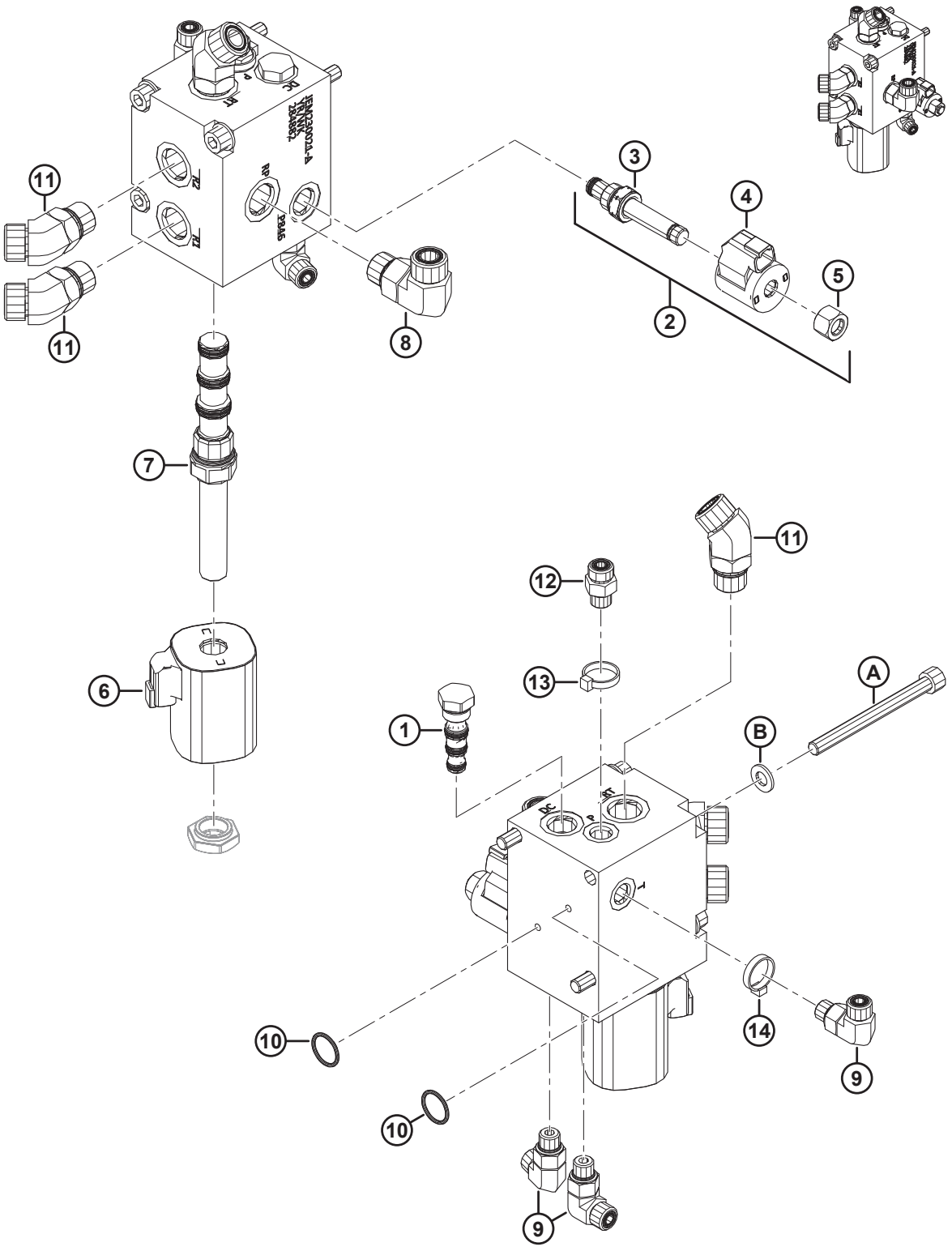
Ref	Part Number	Description	Qty	Serial Number
	B7546	KIT – JD X9 HYD ELEC COMPLETION [965]		
	B7543	KIT – X9 REEL REVERSE [966]	A/R	–521189
1	322216	ASSEMBLY – MULTICOUPLER MOUNT JD	1	521190–
2	248960	LATCH – COUPLER BRACKET	1	521190–
3	129149	PAD – RUBBER	1	521190–
4	328002	COUPLING – MULTI JD 5-POSITION	1	521190–
5	182182	PLATE ASSY – JD MULTICOUPLER	1	521190–
6	191704	COUPLER – 3/8, JD MULTICOUPLER	2	521190–
	129859	SEAL KIT – 3/8 IN. MULTICOUPLER		
7	191705	FITTING – ADAPTER HYD	2	521190–
	44209	O-RING – 2.21 X 16.36		
	135865	O-RING – 1.78 X 9.25		
8	184460	COUPLER – 1/2 IN. FF MULTICOUPLER	3	521190–
	129860	SEAL KIT – 1/2 IN. 60 SERIES MULTICOUPLER		
9	184463	FITTING – ADAPTER HYD	2	521190–
	44210	O-RING – 2.46 X 19.18		
	135866	O-RING – 1.78 X 12.42		
10	184462	FITTING – ADAPTER HYD	1	521190–
	44210	O-RING – 2.46 X 19.18		
	135865	O-RING – 1.78 X 9.25		
11	184603	RING – RETAINING, JD COUPLER	5	521190–
12	135267	RING – INVERTED EXT RETAINING	1	521190–
13	182181	BUSHING – JD MULTICOUPLER	2	521190–
14	284882	MANIFOLD – SELECTOR [967]	1	521190–
15	357093	HOSE – HYDRAULIC, REEL DRIVE	2	521190–
16	357094	HOSE – HYDRAULIC, REEL DRIVE	2	521190–
17	323983	HOSE – HYD, REEL LIFT/LOWER	1	521190–
18	323984	HOSE – HYD, REEL LIFT/LOWER	1	521190–
19	314708	HOSE – HYD, REEL AFT JD	1	521190–
20	314707	HOSE – HYD, REEL FORE JD	1	521190–
21	163598	CINCH STRAP – HANGING, 6 IN. LG	1	521190–
22	135444	CINCH STRAP – 6 IN. LG	3	521190–
23	49232	FASTENER – CABLE TIE, WHITE	4	521190–
24	49227	FASTENER – CABLE TIE, GREEN	2	521190–
25	40702	FASTENER – CABLE TIE, RED	2	521190–
26	40701	FASTENER – CABLE TIE, YELLOW	4	521190–

965. Includes all parts listed in this section and Section *244 John Deere X9 and S7 Series – Electrical Completion, page 627*. Kits are available through Whole Goods only.
966. The X9 Reel Reverse kit is used to update 2024 and prior units configured for John Deere X9 Series combines with the ability to operate the reel in reverse. The kit includes harness (MD #368922), reel drive hoses (MD #357093, MD #357094), reel lift/lower hoses (MD #323983, MD #323984), selector manifold (MD #284882), cable ties (MD #40701, MD #49232), and instructions. Kits are available through Whole Goods only.
967. For service parts, refer to Section *243 John Deere X9 and S7 Series – Selector Manifold, Service Parts, page 625*.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
A
B
C
D
E
F
1044928

Ref	Part Number	Description	Qty	Serial Number
27	135786	FITTING – ADAPTER	2	521190–
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
28	135778	FITTING – ADAPTER	1	521190–
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	30632	WASHER – LOCK SPRING M10		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	184524	SCREW – HEX SOC HD SHLDR 1/2-3/8		

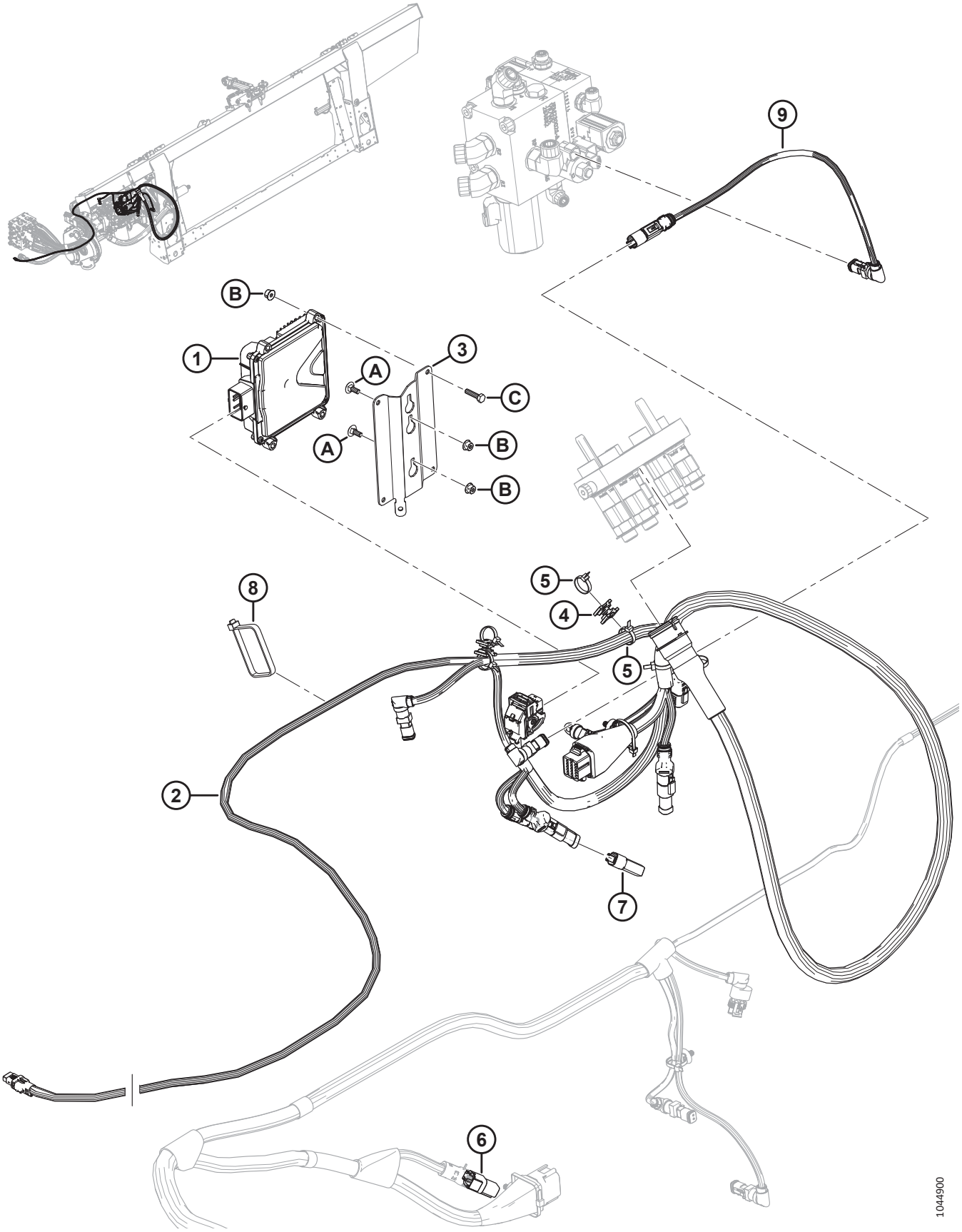
243 John Deere X9 and S7 Series – Selector Manifold, Service Parts



Ref	Part Number	Description	Qty	Serial Number
	284882	**MANIFOLD – SELECTOR** [968]		
1	**284929**	**VALVE – CARTRIDGE PO CHECK**	**1**	
2	**320464**	**VALVE – SOLENOID C/W COIL** [969]	**1**	
3	**320492**	**VALVE – DIRECTIONAL** [970]	**1**	
	129711	**KIT – SEAL**		
4	**252319**	**COIL – SOLENOID**	**1**	
5	**320493**	**NUT – COIL**	**1**	
6	**132783**	**COIL – ELECTRIC**	**1**	
7	**132782**	**VALVE – 4-WAY CARTRIDGE**	**1**	
8	**136089**	**FITTING – ELBOW 90° HYD**	**1**	
	44210	**O-RING – 2.46 X 19.18**		
	135867	**O-RING – 1.78 X 15.60**		
9	**136095**	**FITTING – ELBOW 90° HYD**	**3**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
10	**320284**	**O-RING – 2.38 X 20.64**	**2**	
11	**136327**	**FITTING – ELBOW 45° HYD**	**3**	
	44210	**O-RING – 2.46 X 19.18**		
	135867	**O-RING – 1.78 X 15.60**		
12	**135778**	**FITTING – ADAPTER**	**1**	
	50219	**O-RING – 1.98 X 11.89**		
	135865	**O-RING – 1.78 X 9.25**		
13	**40702**	**FASTENER – CABLE TIE, RED**	**1**	
14	**49227**	**FASTENER – CABLE TIE, GREEN**	**1**	
A	**320512**	**SCREW – HEX SOC HD M10 X 1.5 X 110-8.8-ZINC**		
B	**184711**	**WASHER – FLAT REG M10-200HV-AA1J**		

968. The selector manifold includes all listed parts and hardware.
969. The solenoid valve includes one directional valve (MD #320492), one solenoid coil (MD #252319), and one coil nut (MD #320493).
970. The directional valve includes one coil nut (MD #320493).

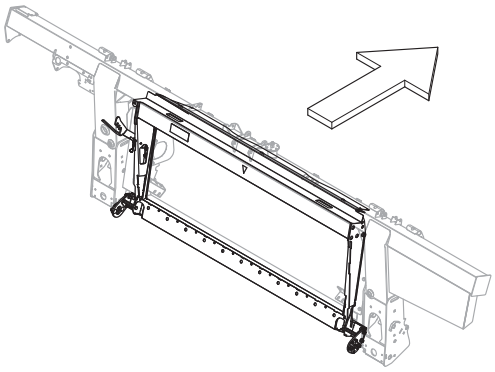
244 John Deere X9 and S7 Series – Electrical Completion

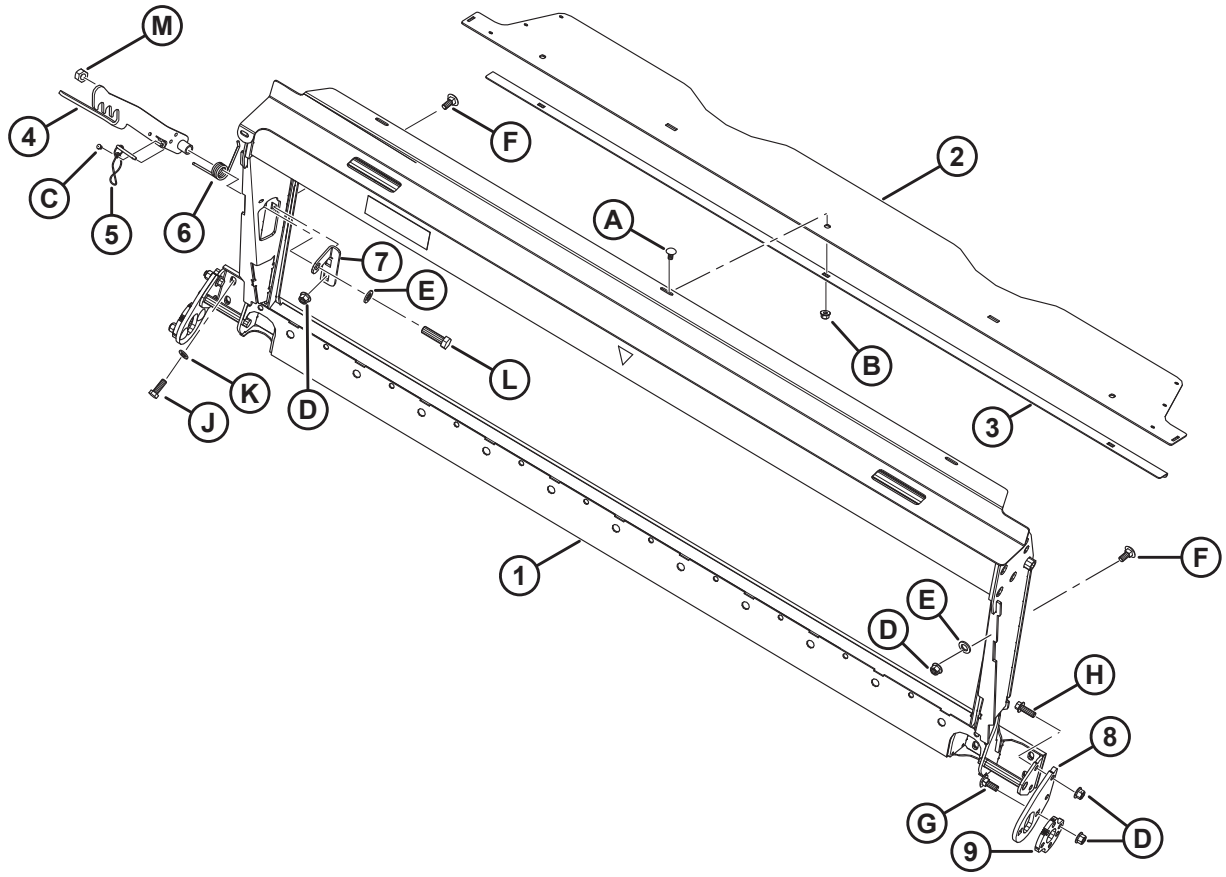


Ref	Part Number	Description	Qty	Serial Number
	B7546	**KIT – JD X9 HYD ELEC COMPLETION** [971]		
	B7543	**KIT – X9 REEL REVERSE** [972]	**A/R**	**–521189**
1	**323978**	**KIT – MODULE CONTROL CW X9**	**1**	
2	335971	HARNESS – COMPLETION, JD X9	1	
	134043	RECEPT – DEUTSCH, DT04-3P-P006 (CAN TERMINATOR) [973]		
3	357989	BRACKET – MODULE	1	
4	134442	SPACER – DUAL SWIVEL SADDLE	3	
5	21763	FASTENER – CABLE TIE, BLACK	6	
6	323698	PLUG – TILT, PASS THRU	1	
7	357046	PLUG – ID, 25	1	
	357047	PLUG – ID, 30	1	
	357050	PLUG – ID, 35	1	
	357051	PLUG – ID, 40	1	
	357052	PLUG – ID, 41	1	
	357053	PLUG – ID, 45	1	
	357054	PLUG – ID, 50	1	
	261575	**PLUG – ID, 61**	**1**	
8	**30753**	**FASTENER – CABLE TIE, BLACK, 305 MM**	**2**	
9	**368922**	**HARNESS – ADAPTER, X9 EXT. (REEL REVERSE)** [974]	**1**	
A	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
B	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
C	135301	BOLT – HEX HD M6 X 1 X 25-8.8-AA1J		

971. Includes all parts listed in this section and Section *241 John Deere X9 Series – Hydraulic Completion (2024 and Prior), page 617*. Kits are available through Whole Goods only.
972. The X9 Reel Reverse kit is used to update 2024 and prior units configured for John Deere X9 Series combines with the ability to operate the reel in reverse. The kit includes harness (MD #368922), reel drive hoses (MD #357093, MD #357094), reel lift/lower hoses (MD #323983, MD #323984), selector manifold (MD #284882), cable ties (MD #40701, MD #49232), and instructions. Kits are available through Whole Goods only.
973. CAN terminator.
974. Service part for units made in model year 2024 and later, or for units made in model year 2023 and prior that have been serviced with X9 Reel Reverse kit (B7543).

245 New Holland CR/CX – Float Module Completion



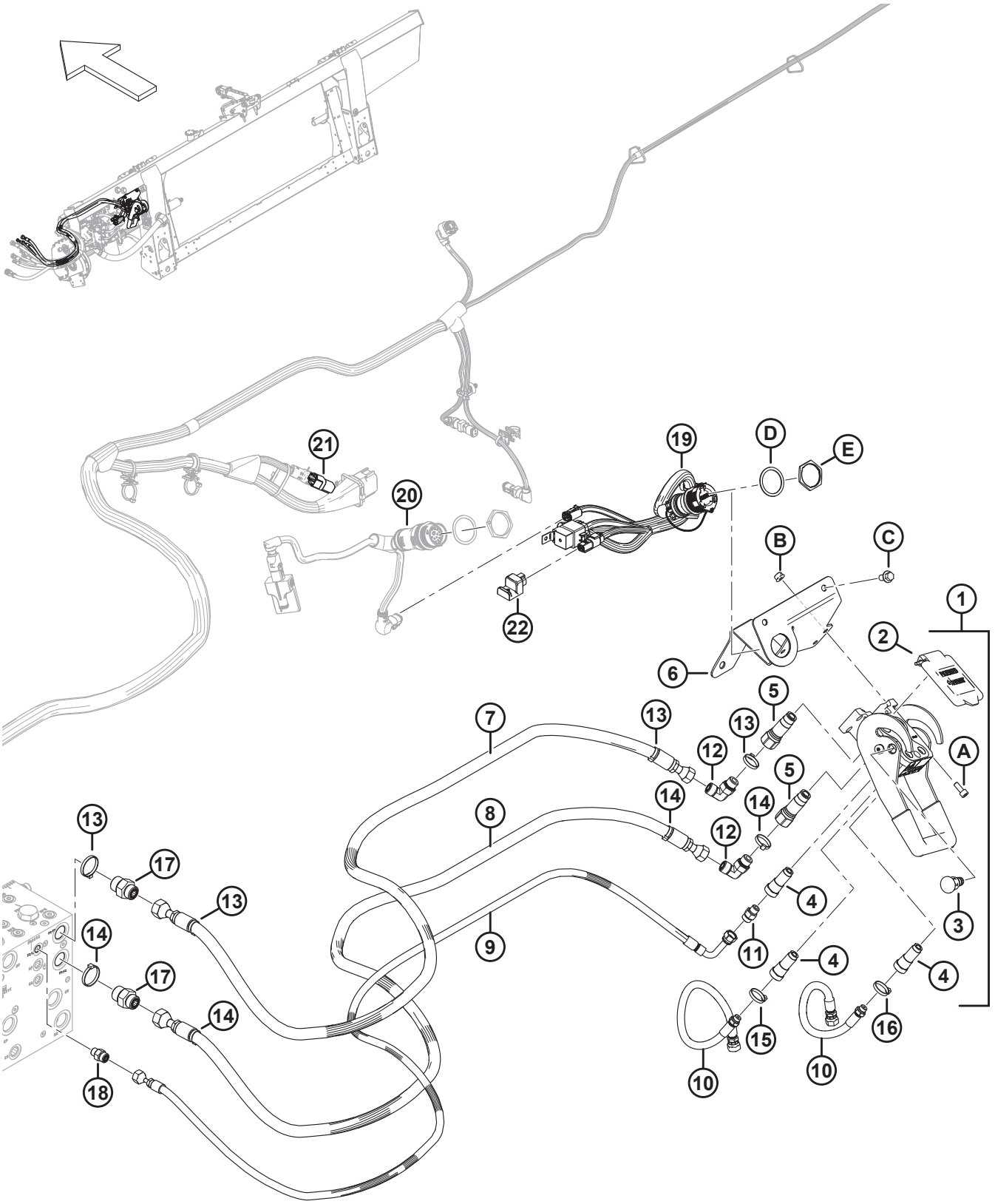


1044022

Ref	Part Number	Description	Qty	Serial Number
	B7476	KIT – CNH TRANSITION FRAME [975]		
1	357567	ASSY – CNH TRANSITION W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347141	LATCH – WELDT	1	
5	237363	PIN – DETENT WITH 8 IN. LANYARD	1	
6	156948	SPRING – TORSION	1	
7	357606	SUPPORT – BOLT MOUNT	1	
8	284976	SUPPORT – ANCHOR MOUNT	2	
9	284971	PLATE – ADJUSTMENT	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	113799	RIVET – POP		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184717	WASHER – FLAT REG M16-200HV-AA1J		
F	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
G	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
H	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-ZINC		
J	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
K	184714	WASHER – FLAT REG M12-300HV		
L	136717	BOLT – HEX HD M16 X 2 X 55-10.9		
M	320208	NUT – HEX CTR LOCK M16 X 2-12-ZINC		

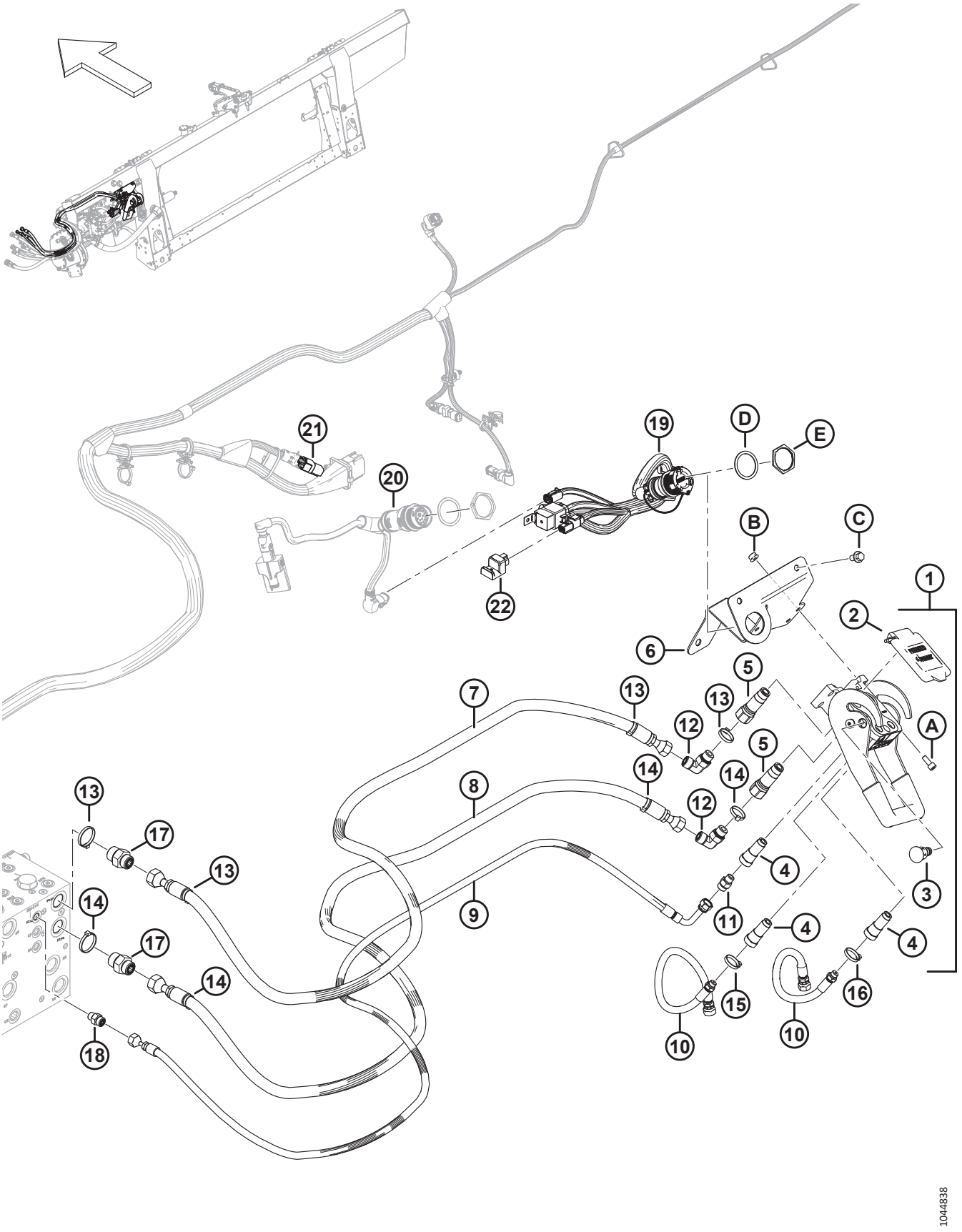
975. Kits are available through Whole Goods only.

246 New Holland CR/CX – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7507	KIT – CNH HYD ELEC COMPLETION [976]		
1	153151	COUPLING – MULTI [977]	1	
2	129800	KIT – COVER CNH MULTI-COUPLER	1	
3	129801	KIT – LATCH BUTTON	1	
4	129976	COUPLING 1/4 IN.	3	
5	129977	COUPLING 3/8 IN.	2	
6	328874	SUPPORT WELDT – CNH MULTI COUPLER	1	
7	314586	HOSE – HYD, REEL DRIVE PRESSURE CNH	1	
8	314587	HOSE – HYD, REEL DRIVE RETURN CNH	1	
9	314588	HOSE – HYD, REEL LIFT, CNH	1	
10	314585	HOSE – HYD, REEL F-A, CNH	2	
11	252694	FITTING – ADAPTER .052 ORIFICE	1	
12	136220	FITTING – ELBOW 90° HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
13	49232	FASTENER – CABLE TIE, WHITE	4	
14	40701	FASTENER – CABLE TIE, YELLOW	4	
15	40702	FASTENER – CABLE TIE, RED	2	
16	49227	FASTENER – CABLE TIE, GREEN	2	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	284946	KIT – CNH ELEC COMP, INTEGRATED [978]	1	
	283215	**MODULE – DIODE PACK, 6A DIODE** [979]	**1**	
	134916	**RELAY – MINI, 12 VDC SKIRTED** [979]	**1**	

976. Kits are available through Whole Goods only.
977. The multicoupler includes CNH multi-coupler cover kit (MD #129800), latch button kit (MD #129801), three 1/4 inch couplings (MD #129976), and two 3/8 inch coupling (MD #129977).
978. The kit includes one integration completion harness (NSS), one transistor plug (MD #500619), and hardware (MD #134010, MD #134011).
979. This part is a subcomponent of the integration completion harness (NSS).


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
A
B
C
D
E
1044838

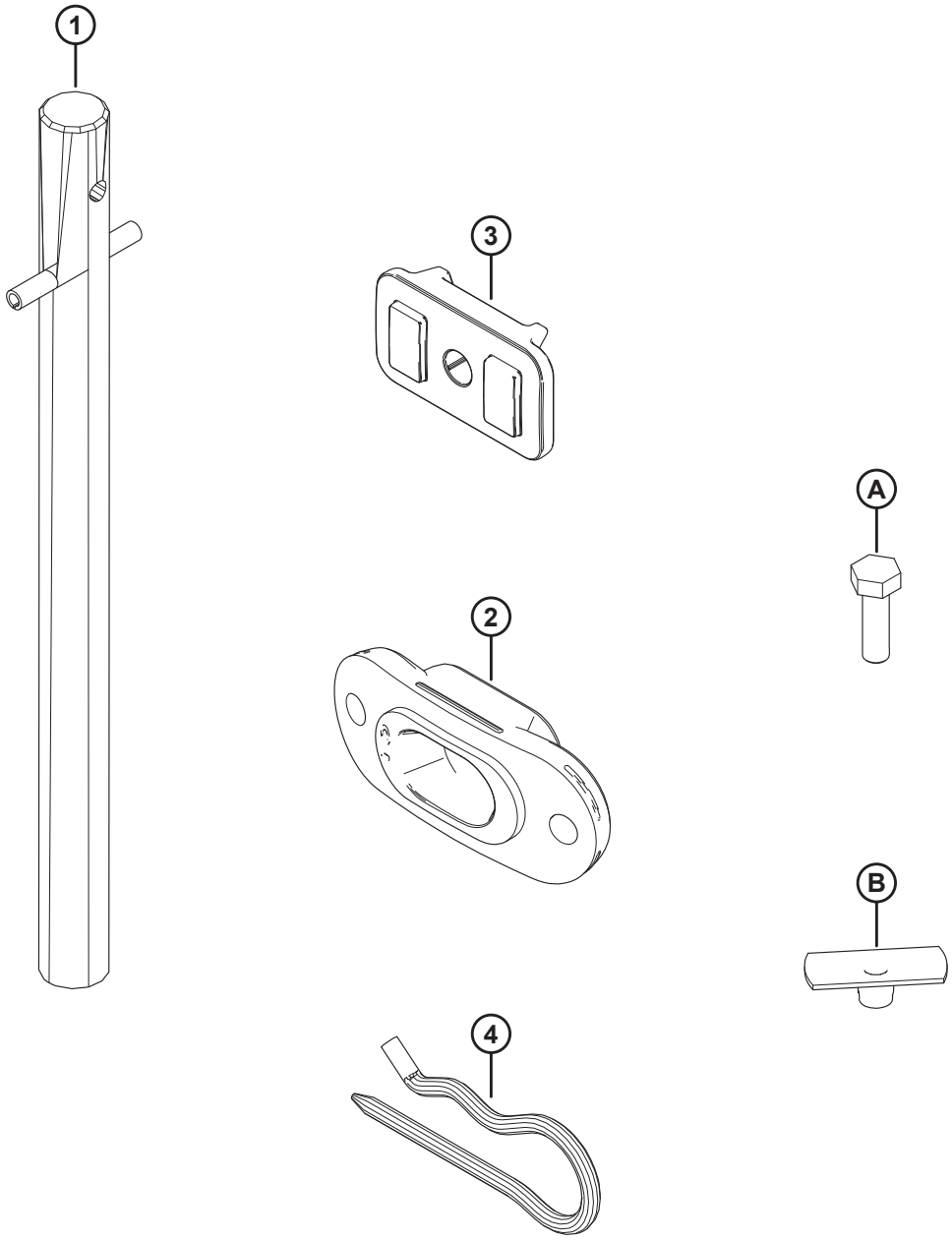
Ref	Part Number	Description	Qty	Serial Number
20	REF	HARNESS – CAB ADAPTER [980]	1	
	REF	MODULE – VALVE DRIVER [980]	1	
	REF	WASHER – LOCK, HDP 20, SIZE 24 [980]	1	
	REF	NUT – PANEL, HDP 20, SIZE 24 [980]	1	
21	REF	PLUG – TILT, PASS THRU [981]	1	
22	**500619**	**PLUG – SW PWR** [982]	**1**	
A	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
E	134010	NUT – PANEL, HD 30, SIZE 24		

980. For the harness, valve driver module, and hardware, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*; required for model year 2018 and prior machines only.

981. The pass-thru tilt plug (MD #323698) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for New Holland CR Wide combines, but it is NOT included in the completion package (B7507). To order the pass-thru tilt plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.

982. Adapter harness MD #378100 is required when ordering SW power plug (MD #349362 or MD #500619) for model year 2024 units.

247 New Holland CR/CX – Auger Completion

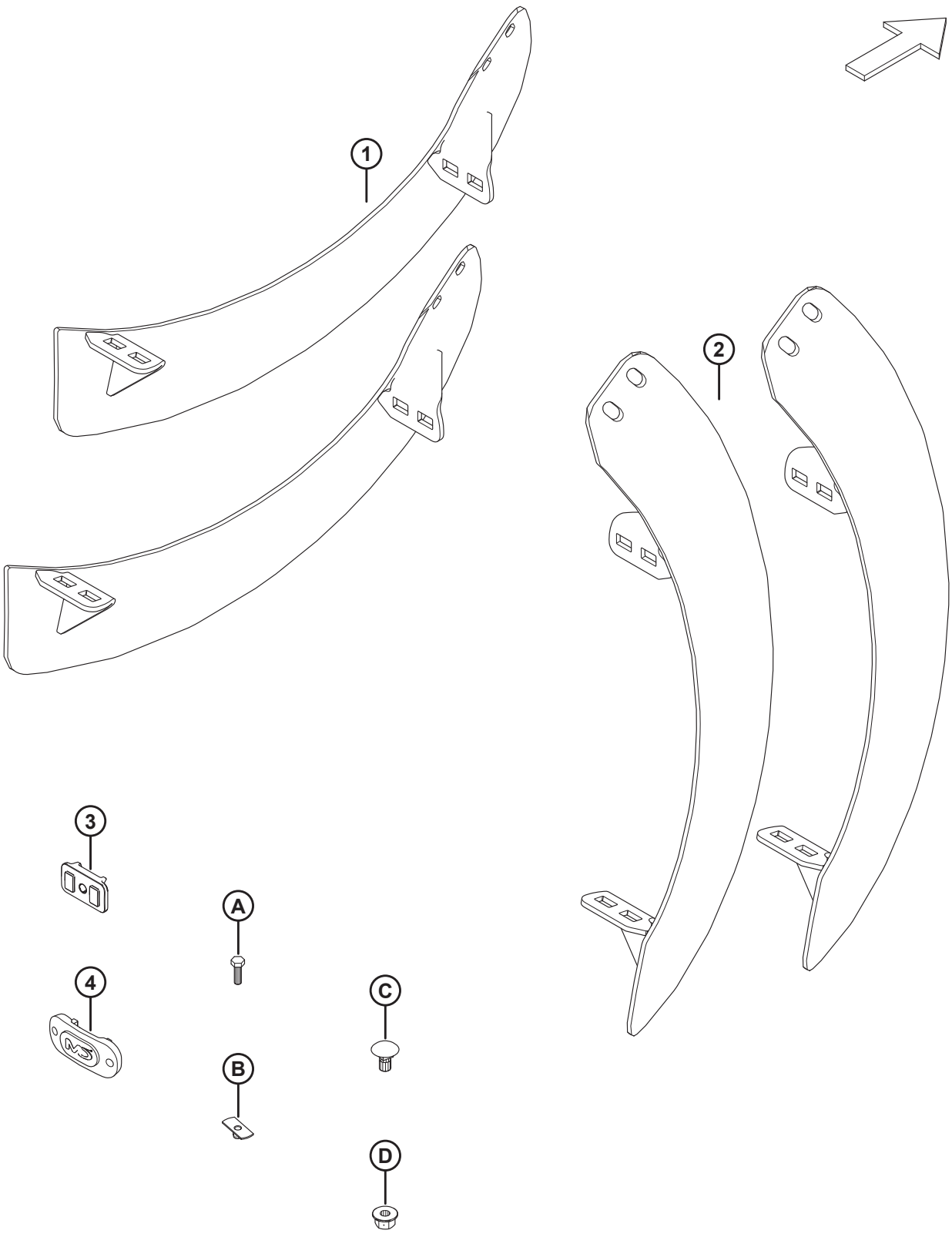


1032789

Ref	Part Number	Description	Qty	Serial Number
1	337152	KIT – FINGER [983]	8	
	7642	PIN – SPRING 3/16 DIA X 1.5 LG	8	
2	337143	GUIDE	8	
3	213084	PLUG – FLIGHTING SLOT	8	
4	123180	PIN – HAIR	8	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
B	197263	NUT – TEE M6 X 1		

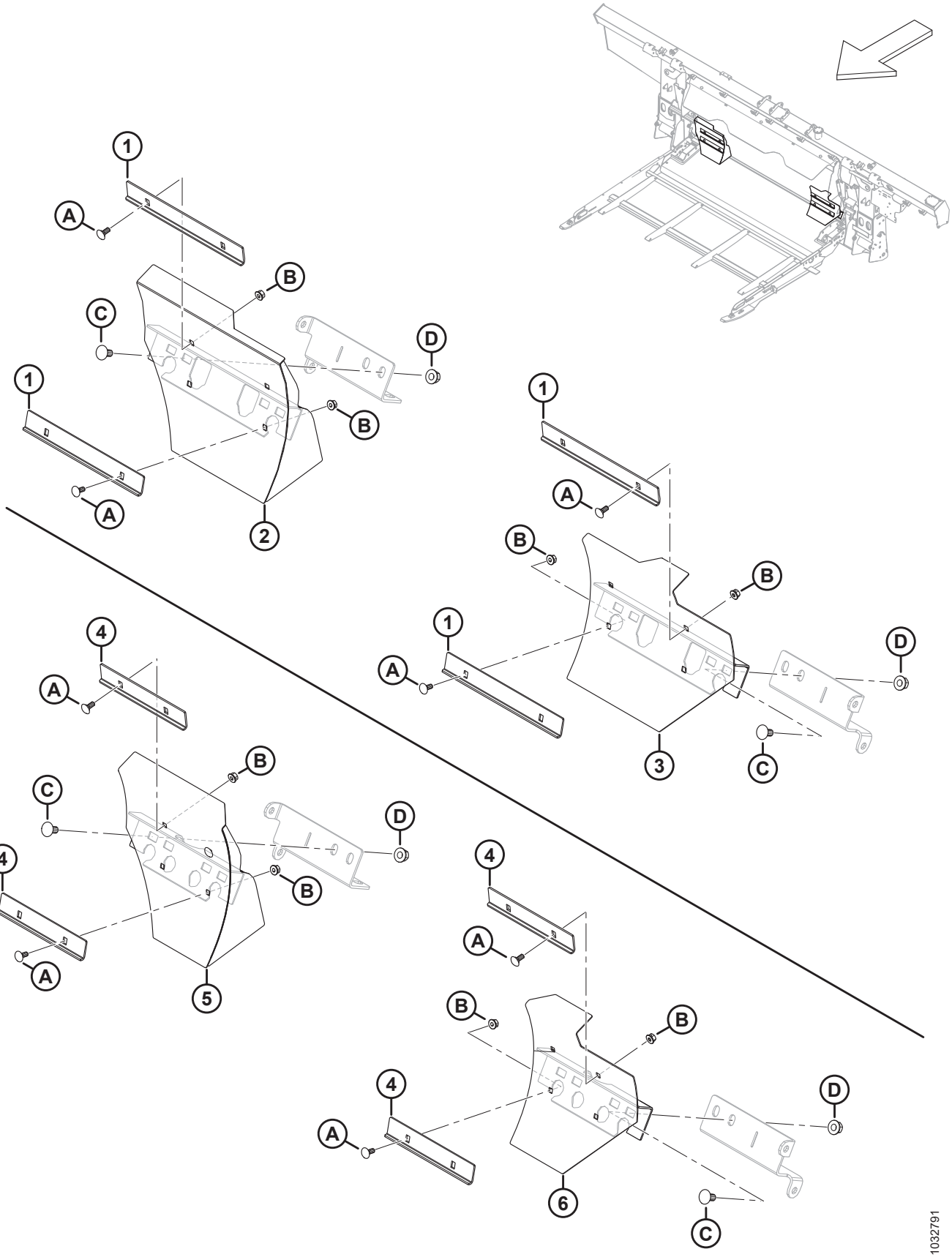
983. The kit includes one solid finger (NSS), one spring pin (MD #7642), one guide (MD #337143), and instructions.

248 New Holland CR/CX – Flighting Completion



Ref	Part Number	Description	Qty	Serial Number
1	287889	FLIGHTING – LH HIWEAR	2	
2	287890	FLIGHTING – RH HIWEAR	2	
3	213084	PLUG – FLIGHTING SLOT	2	
4	187137	PLUG	4	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
B	197263	NUT – TEE M6 X 1		
C	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

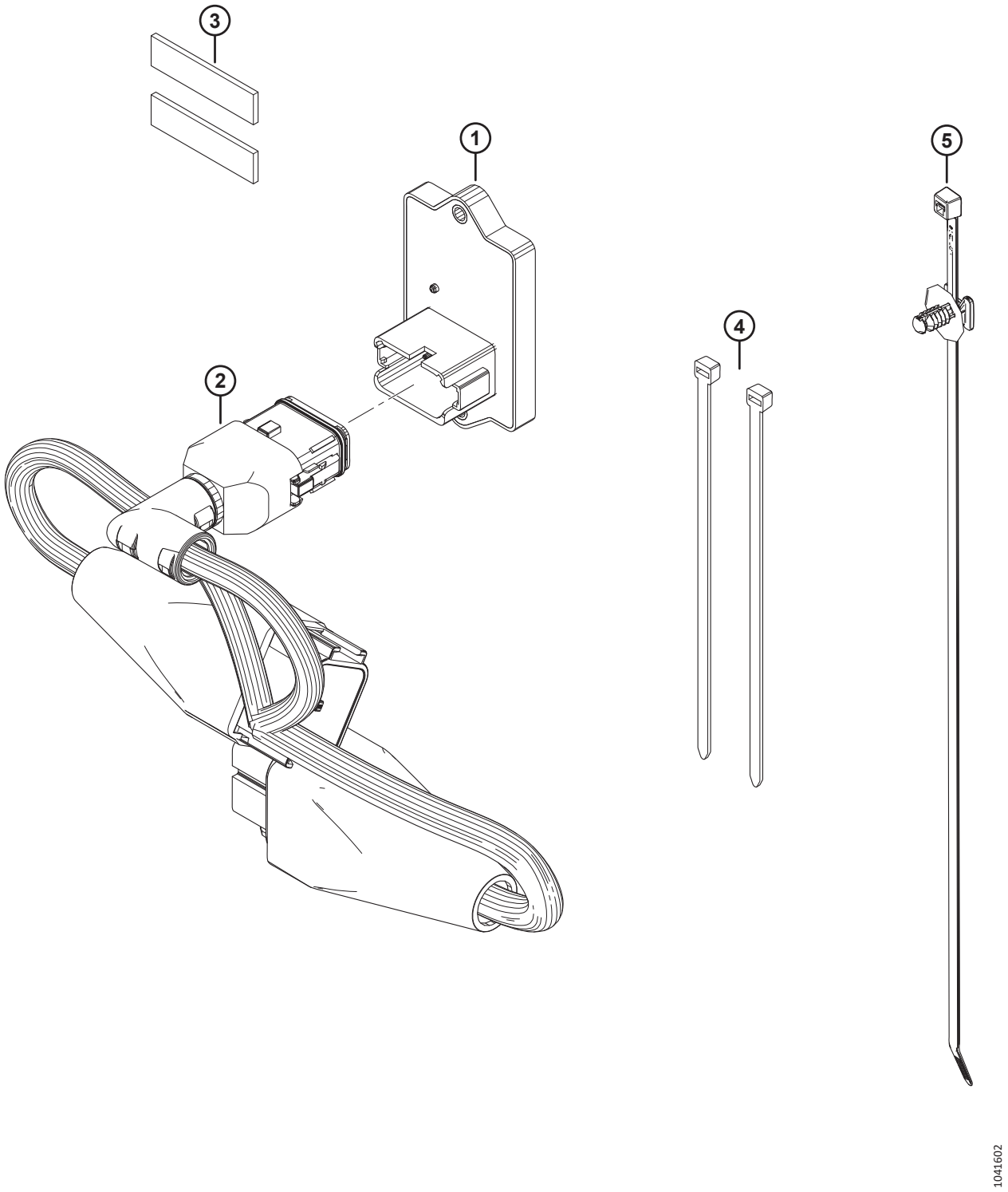
249 New Holland CR/CX – Deflector Completion



Ref	Part Number	Description	Qty	Serial Number
	B7347	KIT – DEFLECTORS, NARROW FEED AUGER [984]		
	B7348	KIT – DEFLECTORS, MEDIUM FEED AUGER [985]		
1	328085	ANGLE – LONG STRIPPER [986]	4	
2	337779	DEFLECTOR – LONG RH WELDT [986]	1	
3	337780	DEFLECTOR – LONG LH WELDT [986]	1	
4	314680	ANGLE – SHORT STRIPPER [987]	4	
5	337777	DEFLECTOR – SHORT RH WELDT [987]	1	
6	337778	DEFLECTOR – SHORT LH WELDT [987]	1	
A	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

984. For feeder opening widths of approximately 1115 mm (44 in.). Kits are available through Whole Goods only.
985. For feeder opening widths of approximately 1317 mm (52 in.). Kits are available through Whole Goods only.
986. Included in B7347.
987. Included in B7348.

250 New Holland 10 Volt Auto Header Height Control Adapter Kit

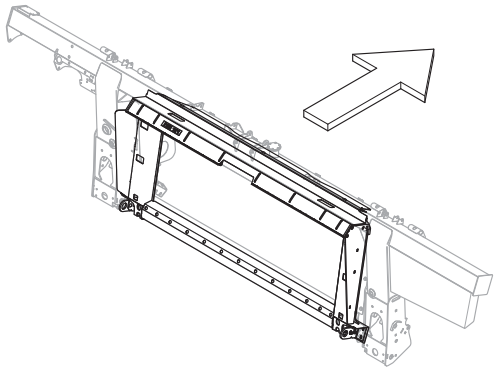


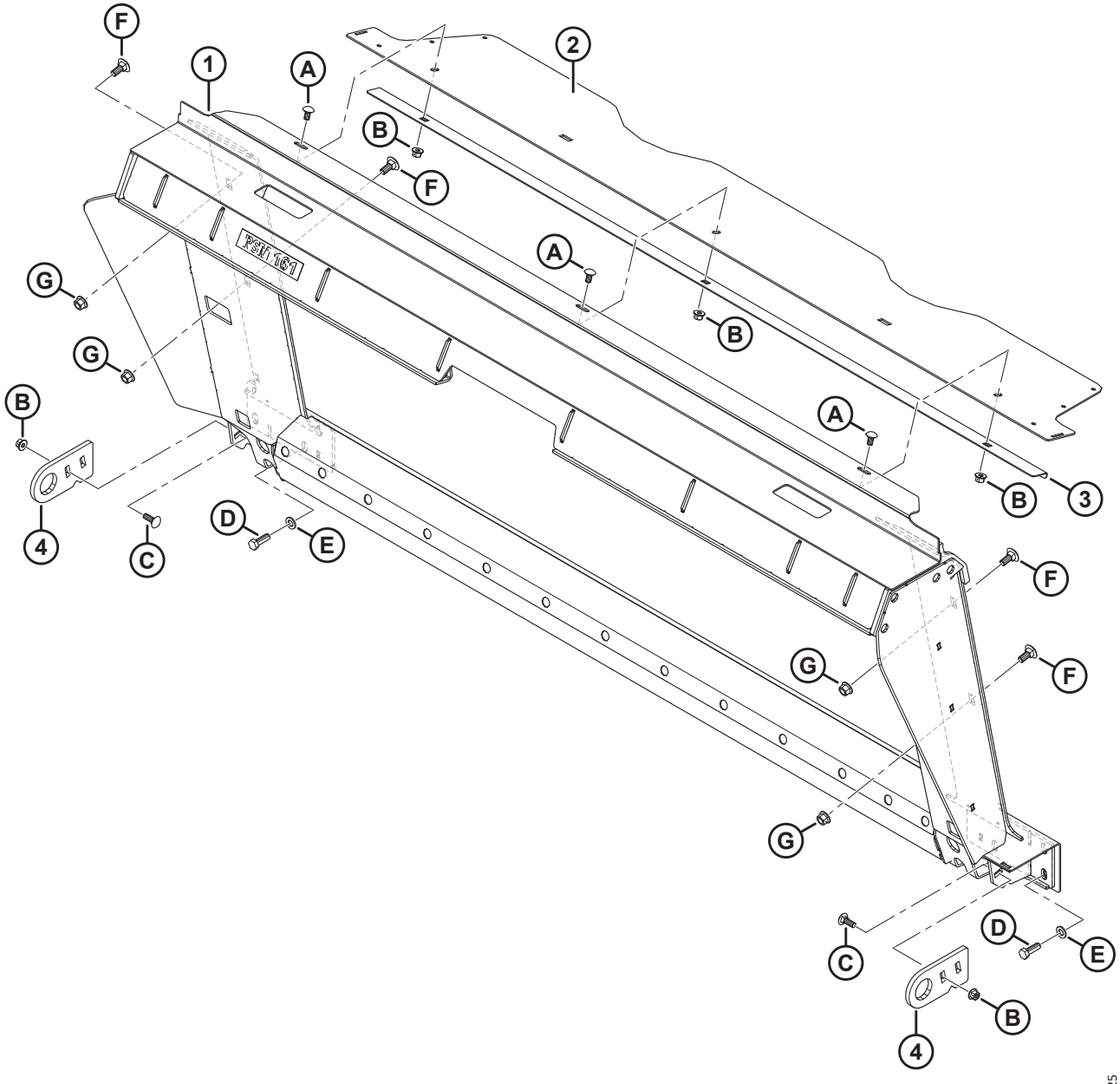
NEW HOLLAND 10 VOLT AUTO HEADER HEIGHT CONTROL ADAPTER KIT

Ref	Part Number	Description	Qty	Serial Number
	B7241	KIT – NH 10V ADAPTER [988]		
1	500448	MODULE – NH 10V	1	
2	335160	HARNESS – NH 10V ADAPTER	1	
3	NSS	TAPE – FOAM, VHB, 1/2 IN. WIDE, 50 MM	2	
4	21763	FASTENER – CABLE TIE, BLACK	2	
5	136655	FASTENER – FIR TREE MT W/ TIE	1	

988. Kits are available through Whole Goods only.

251 Rostselmash – Float Module Completion

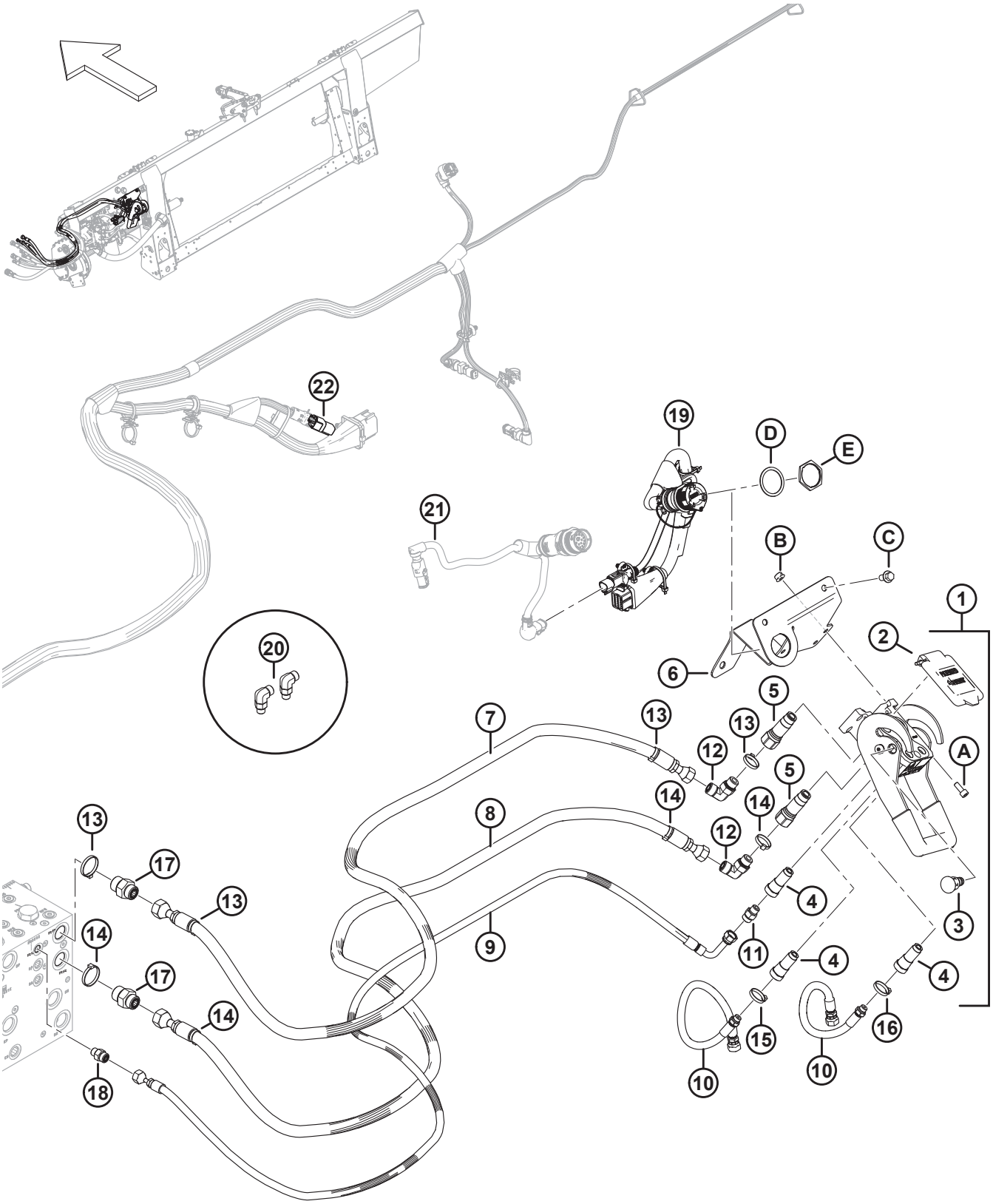




Ref	Part Number	Description	Qty	Serial Number
	B7311	KIT – RSM 161 TRANSITION FRAME [989]		
1	347498	FRAME – RSM161 W/DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347532	ANCHOR – RSM	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
D	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
E	184714	WASHER – FLAT REG M12-300HV		
F	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
G	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

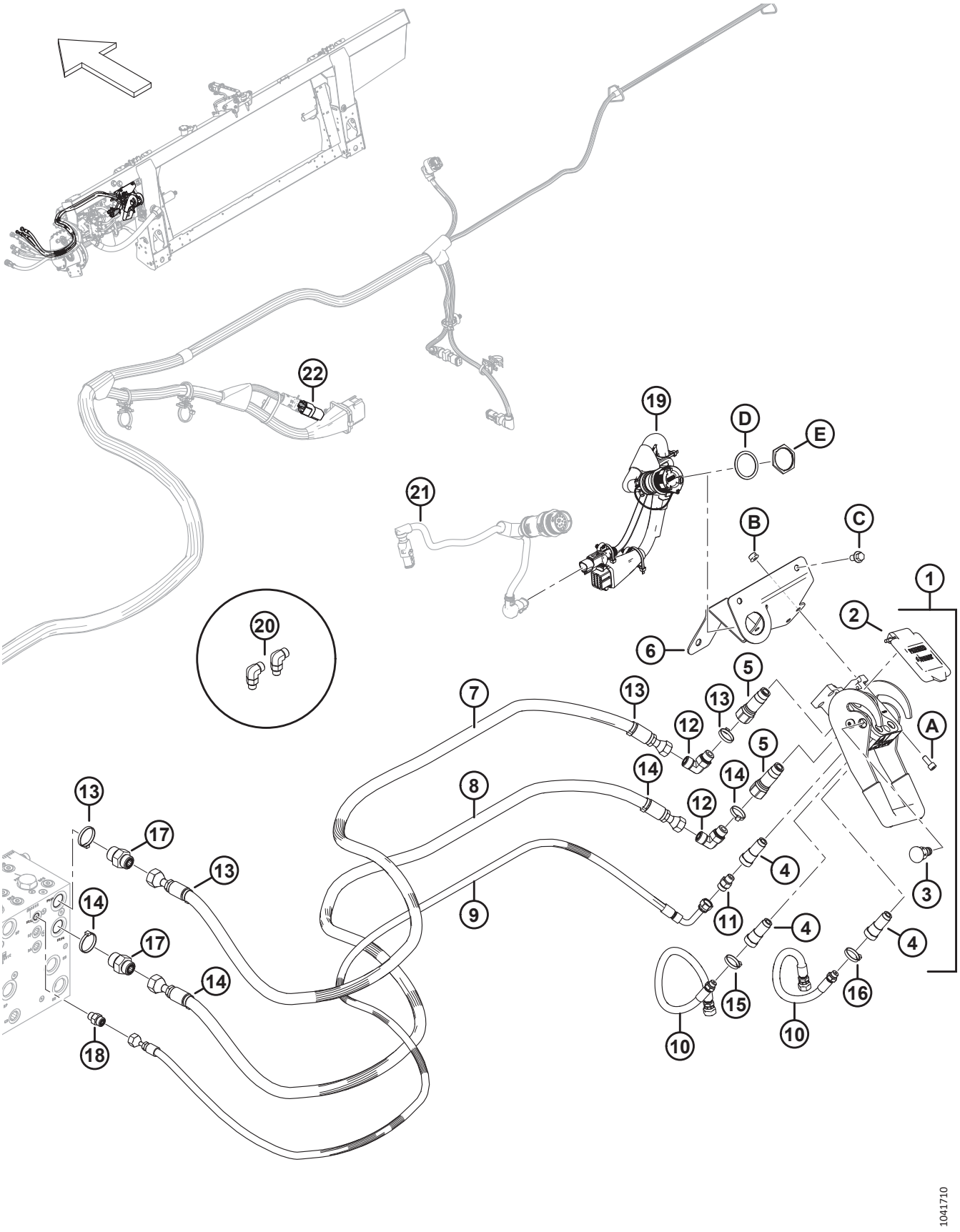
989. Kits are available through Whole Goods only.

252 Rostselmash – Hydraulic/Electrical Completion



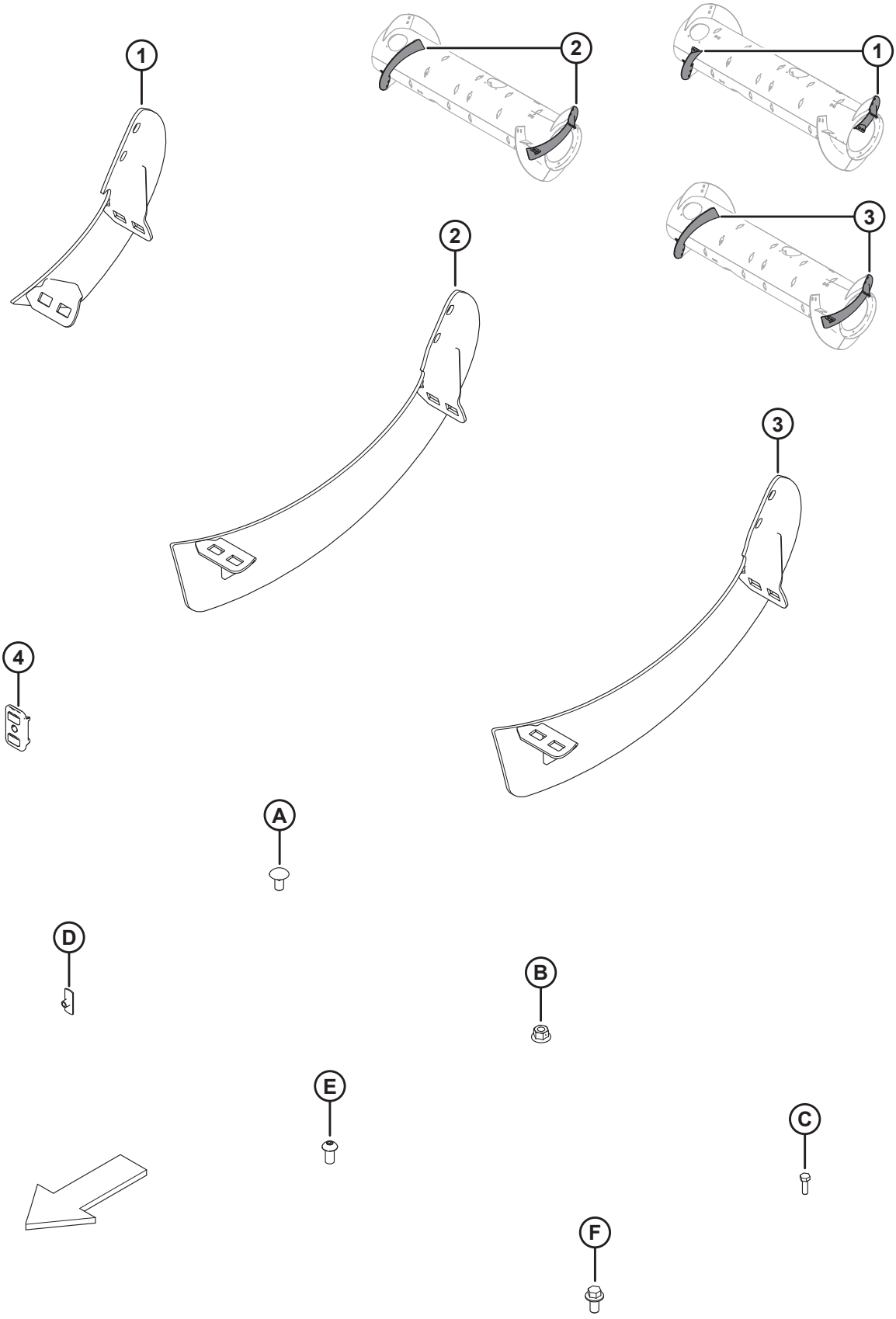
Ref	Part Number	Description	Qty	Serial Number
	B7407	KIT – RSM HYD ELEC COMPLETION [990]		
1	153151	COUPLING – MULTI [991]	1	
2	129800	KIT – COVER CNH MULTI-COUPLER	1	
3	129801	KIT – LATCH BUTTON	1	
4	129976	COUPLING 1/4 IN.	3	
5	129977	COUPLING 3/8 IN.	2	
6	328874	SUPPORT WELDT – CNH MULTI COUPLER	1	
7	314586	HOSE – HYD, REEL DRIVE PRESSURE CNH	1	
8	314587	HOSE – HYD, REEL DRIVE RETURN CNH	1	
9	314588	HOSE – HYD, REEL LIFT, CNH	1	
10	314585	HOSE – HYD, REEL F-A, CNH	2	
11	252694	FITTING – ADAPTER .052 ORIFICE	1	
12	136220	FITTING – ELBOW 90° HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
13	49232	FASTENER – CABLE TIE, WHITE	4	
14	40701	FASTENER – CABLE TIE, YELLOW	4	
15	40702	FASTENER – CABLE TIE, RED	2	
16	49227	FASTENER – CABLE TIE, GREEN	2	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	347630	HARNESS – COMP., ROSTSELMASH	1	
20	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – 1.78 X 9.25		
	50219	O-RING – 1.98 X 11.89		
21	REF	HARNESS – CAB ADAPTER [992]	1	
	REF	MODULE – VALVE DRIVER [992]	1	
22	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [993]	1	

990. Kits are available through Whole Goods only.
991. The multicoupler includes multicoupler cover kit (MD #129800), latch button kit (MD #129801), three 1/4 inch couplings (MD #129976), and two 3/8 inch coupling (MD #129977).
992. The FM200 cab adapter harness and valve driver module are NOT included in the completion package (B7407). To order the harness and/or valve driver module, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.
993. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later incomplete-configured machines and is required when converting from machines configured for Case or John Deere X9 Series combines, but is NOT included in the completion package (B7407). To order the float plug complete with installation instructions, refer to Section *218 Electrical – Base (Integrated Hydraulic System), page 551* or Section *219 Electrical – Base (Modular Hydraulic System), page 553*.


22
19
D
E
21
B
C
1
2
6
20
5
7
13
12
A
14
8
17
4
3
9
11
15
16
10
18
1041710

Ref	Part Number	Description	Qty	Serial Number
A	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
E	134010	NUT – PANEL, HD 30, SIZE 24		

253 (Option) Auger Flighting Kits



(OPTION) AUGER FLIGHTING KITS

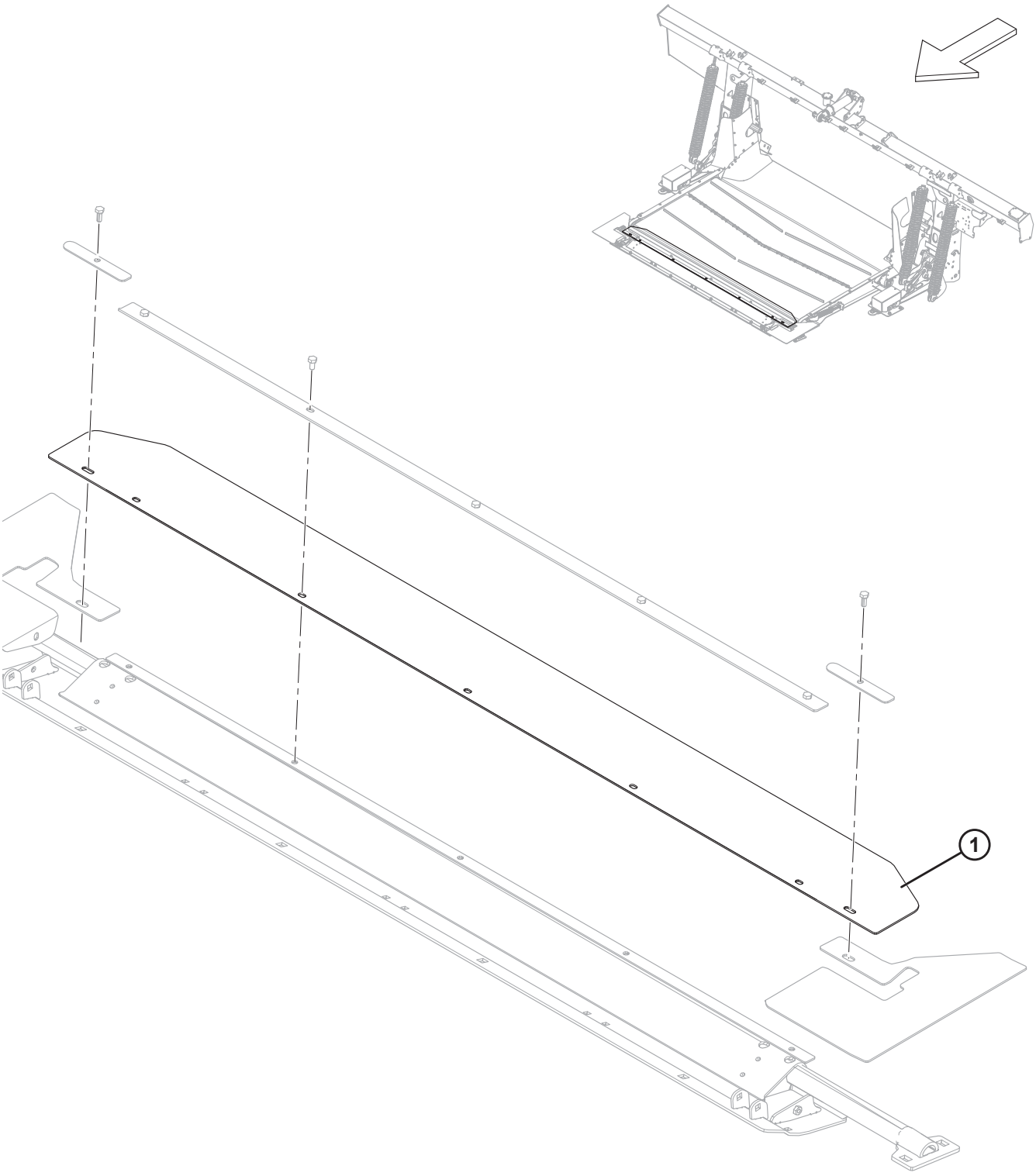
NOTE:

Long flighting kits (B6400 and MD #287032) are used to convert the auger to the optional Ultra Narrow configuration. Refer to your header operator's manual for more information.

Ref	Part Number	Description	Qty	Serial Number
	B6400	KIT – FM100 RTD, WEAR RESISTANT FLIGHT [994]		
	287031	KIT – FM100 RTD, MED FLIGHT [995]		
	287032	KIT – FM100 RTD, LONG FLIGHT [996]		
1	NSS	FLIGHTING, RTD – RH, MED [997]	1	
	NSS	FLIGHTING, RTD – LH, MED [998]	1	
	287887	FLIGHTING, RTD – RH, MED (HIWEAR)	1	
	287888	FLIGHTING, RTD – LH, MED (HIWEAR)	1	
2	NSS	FLIGHTING, RTD – RH, LONG [999]	1	
	NSS	FLIGHTING, RTD – LH, LONG [1000]	1	
3	287890	FLIGHTING, RTD – RH, LONG (HIWEAR)	1	
	287889	FLIGHTING, RTD – LH, LONG (HIWEAR)	1	
4	213084	PLUG – FLIGHTING SLOT	2	
A	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-A3L		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
C	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AA2L		
D	197263	NUT – TEE M6 X 1		
E	135723	SCREW – HEX SOC BTN HD M10 X 1.5 X 20-10.9-A3L		
F	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-A3L		

994. The kit includes Long Flighting kit (MD #287032). Kits are available through Whole Goods only.
995. The kit includes wear-resistant medium flighting, two plugs (MD #213084), hardware, and instructions.
996. The kit includes wear-resistant long flighting, two plugs (MD #213084), hardware, and instructions.
997. Service with medium right flighting (MD #287887).
998. Service with medium left flighting (MD #287888).
999. Service with long right flighting (MD #287890).
1000. Service with long left flighting (MD #287889).

254 (Option) Extended Center Filler

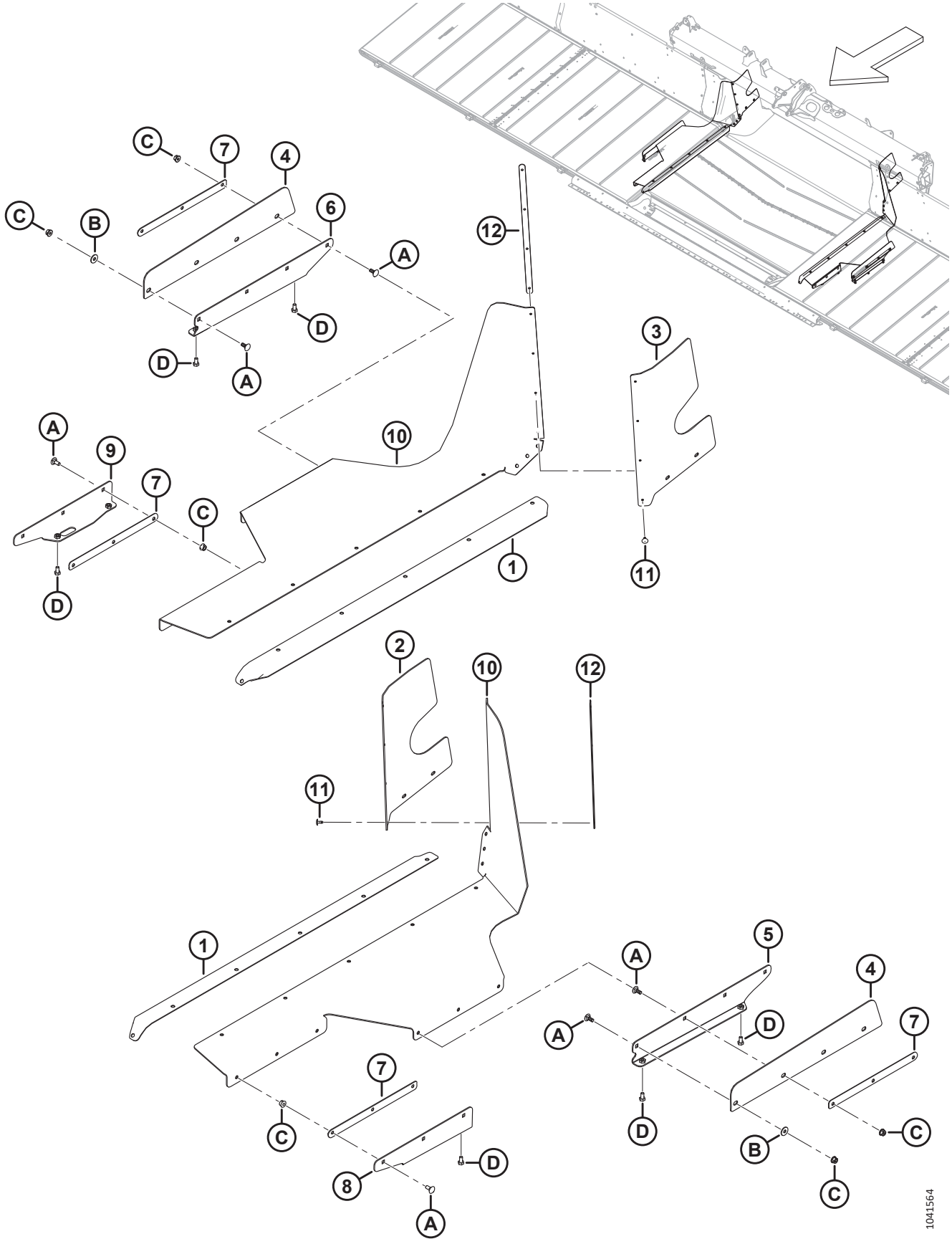


(OPTION) EXTENDED CENTER FILLER

Ref	Part Number	Description	Qty	Serial Number
	B6450	KIT – EXTENDED CENTER FILLER[1001]		
1	295542	FILLER – PAN CENTER EXTENDED	1	

1001.Kits are available through Whole Goods only.

255 (Option) FM200 Full Interface Filler – FD2 Series



(OPTION) FM200 FULL INTERFACE FILLER – FD2 SERIES

Ref	Part Number	Description	Qty	Serial Number
	B7217	KIT – FULL INTERFACE FILLER FD2 [1002]		
1	322750	SEAL – DRAPER FEED DECK	2	
2	328348	FILLER – LH REAR UPPER	1	
3	328349	FILLER – RH REAR UPPER	1	
4	344409	FILLER – LEG SIDE [1003]	2	
	344336	KIT – SERVICE ONLY FULL FILLER [1004]	A/R	
5	344412	SUPPORT – SIDE FILLER LH WELDT [1005]	1	
	344336	KIT – SERVICE ONLY FULL FILLER [1004]	A/R	
6	344413	SUPPORT – SIDE FILLER RH WELDT [1006]	1	
	344336	KIT – SERVICE ONLY FULL FILLER [1004]	A/R	
7	301065	PLATE – FILLER RETAINER	4	
8	301049	SUPPT – SIDE FILLER LH WELDT	1	
9	301047	SUPPT – SIDE FILLER RH WELDT	1	
10	301034	FLAP – FULL FILLER FLEX	2	
11	293053	RIVET – POP	8	
12	276770	PLATE – FILLER RETAINER	2	
A	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
D	50139	BOLT – HEX HD TFL M8 X 1.25 X 16-8.8-AA1J		

1002. European Market only. Provides additional sealing between float module and header. Kits are available through Whole Goods only.

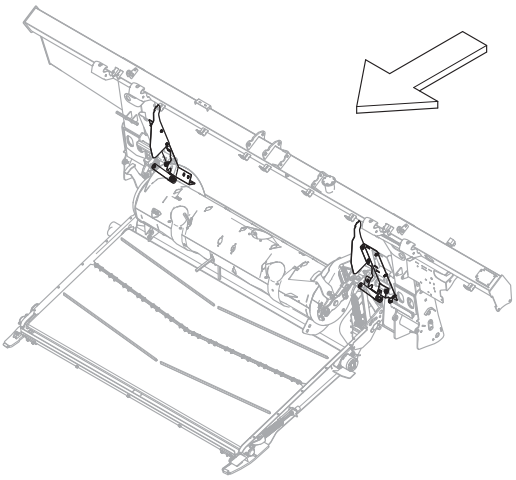
1003. Was previously MD #314671 in superseded bundle B7217. To service the superseded part, order service kit MD #344336.

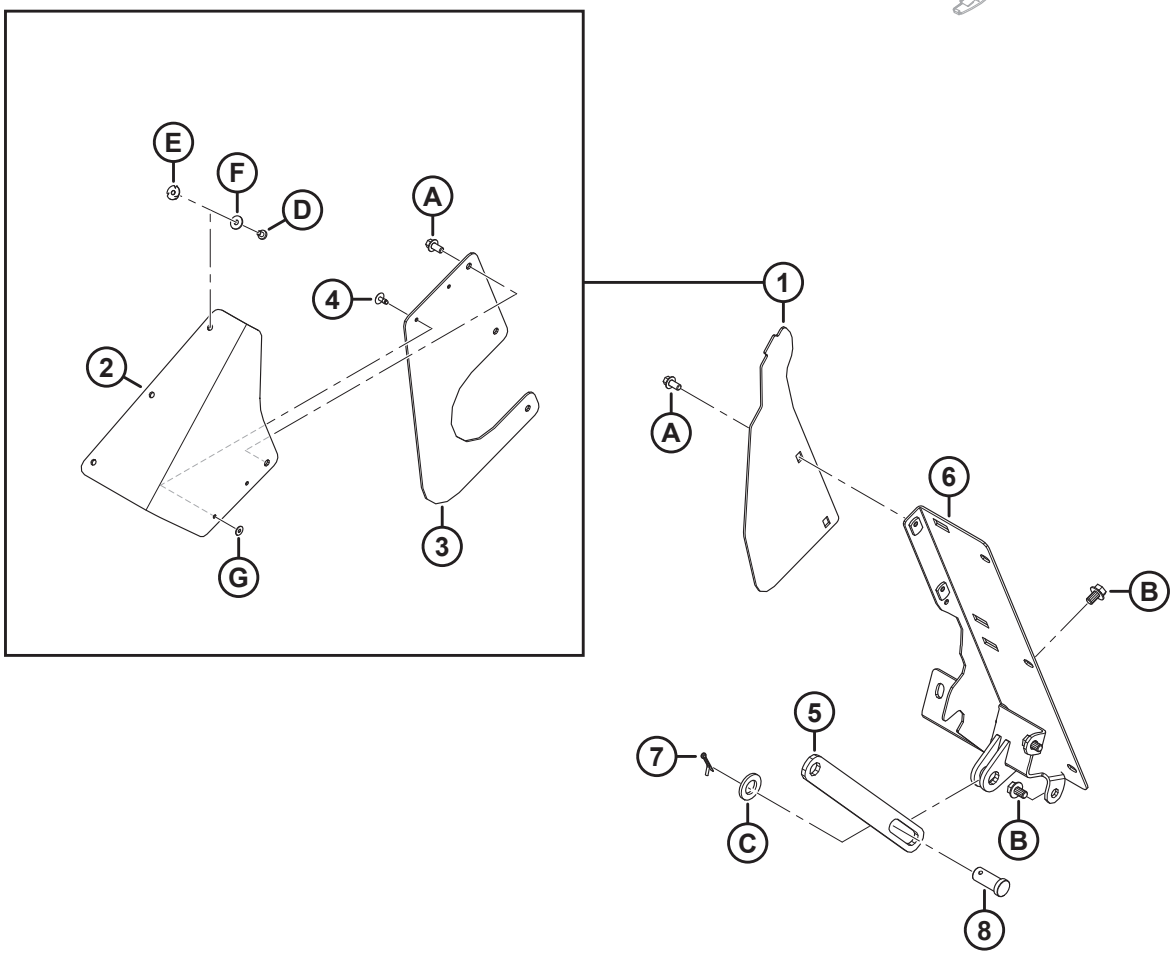
1004. The Full Filler Service kit is used to service superseded filler parts (MD #301067, 301069, 314419, 314420, and 314671).

1005. Was previously MD #314419 and MD #301069 in superseded bundle B7217. To service the superseded parts, order service kit MD #344336.

1006. Was previously MD #314420 and MD #301067 in superseded bundle B7217. To service the superseded parts, order service kit MD #344336.

256 (Option) FM200 Fillers and Links





1039547

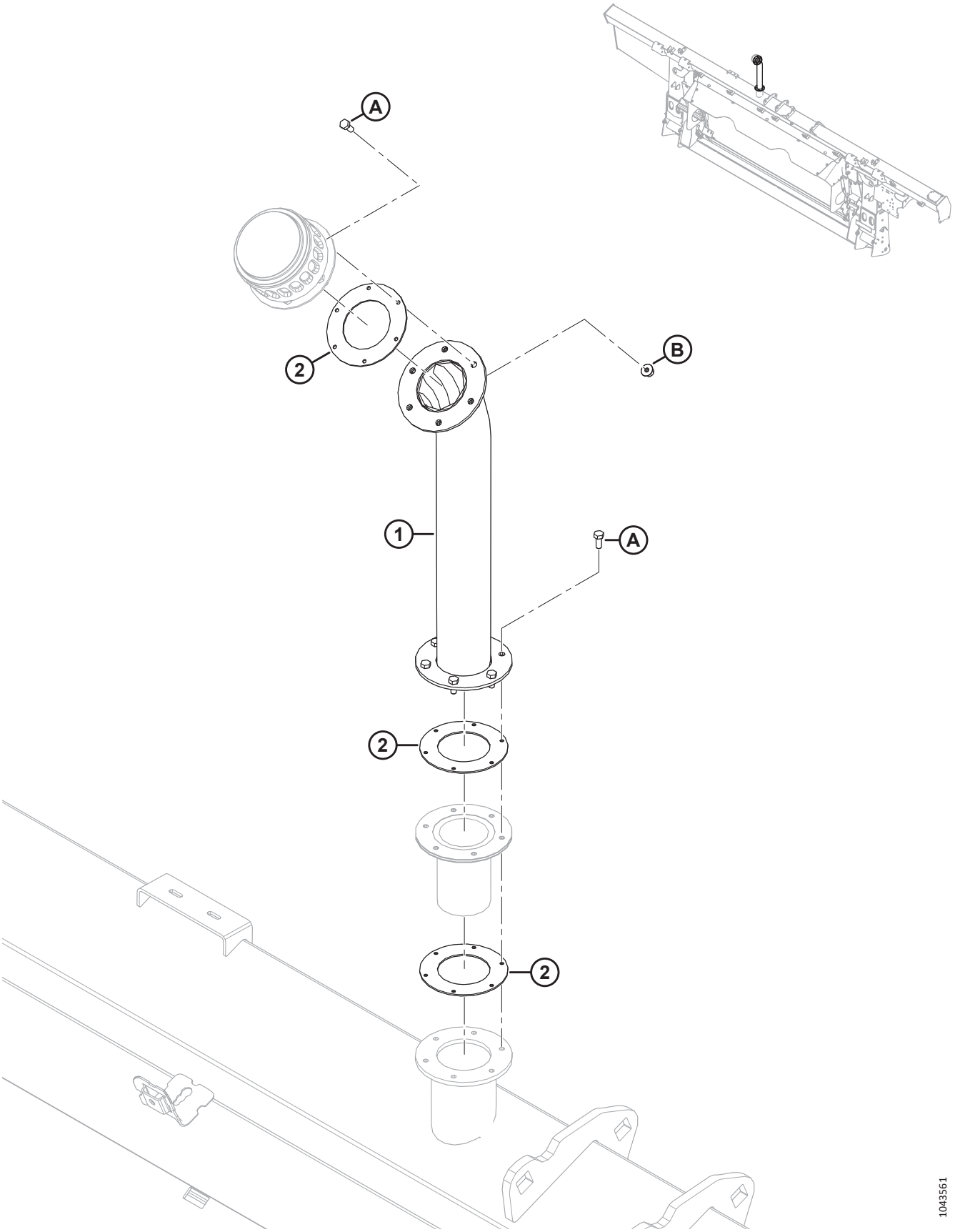
(OPTION) FM200 FILLERS AND LINKS

Ref	Part Number	Description	Qty	Serial Number
	B7342	KIT – FM200 ADAPTER FILLERS AND LINKS [1007]		
1	357512	KIT – DUST COVER SIDES [1008]	A/R	
2	357174	FLAP – DUST COVER FILLER	2	
3	357173	COVER – FEED AUGER SIDE	2	
4	293053	RIVET – POP	4	
5	322914	BAR – AUGER SUPPORT LIMITER	1	
6	NSS	FILLER – WELDMENT LH	1	
	NSS	FILLER – WELDMENT RH	1	
7	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
8	11814	PIN – CLEVIS, 23.8 MM, 30 MM ZN PL	2	
A	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	112130	WASHER – HARD ASTM F4363/4 IN. NOM. ID AB0C		
D	252291	SCREW – PAN HD M6 X 1 X 8-8.8-AA1J		
E	252051	NUT – TEE M6		
F	184706	WASHER – FLAT LARGE M6-200HV		
G	293054	WASHER – FLAT LARGE M5-200HV-AA1J		

1007.The FM200 Adapter Fillers and Links kit is used to convert John Deere X9 Series-configured FM200 Float Modules for use with other combine brands and models. Kits are available through Whole Goods only.

1008.This kit is used to service units with superseded side covers (MD #347558). The kit includes two dust cover filler flaps (MD #357174), two feed auger side covers (MD #357173), four pop rivets (MD #293053), and hardware.

257 (Option) Hillside Extension



(OPTION) HILLSIDE EXTENSION

Ref	Part Number	Description	Qty	Serial Number
	B7542	KIT – HYDRAULIC RESERVOIR FILL EXTENSION [1009]		
	284975	KIT – HYDRAULIC RESERVOIR FILL EXTENSION [1010]		
1	NSS	HYD RESERVOIR FILL EXTENSION	1	
2	312706	KIT – OIL FILL GASKETS [1011]	A/R	
	166450	DECAL – WARNING, HOT SURFACE	2	
A	320397	SCREW – HEX HD TFL M5 X 0.8 X 12-8.8-PLAIN (2022 AND LATER) [1012]		421190–
	135873	SCREW – MACH #10-32 X 0.5 IN. HEX (2021 AND PRIOR) [1012]		–421189
B	136635	NUT – HEX FLG CTR LOC M5 X 0.8-8-AA1J		

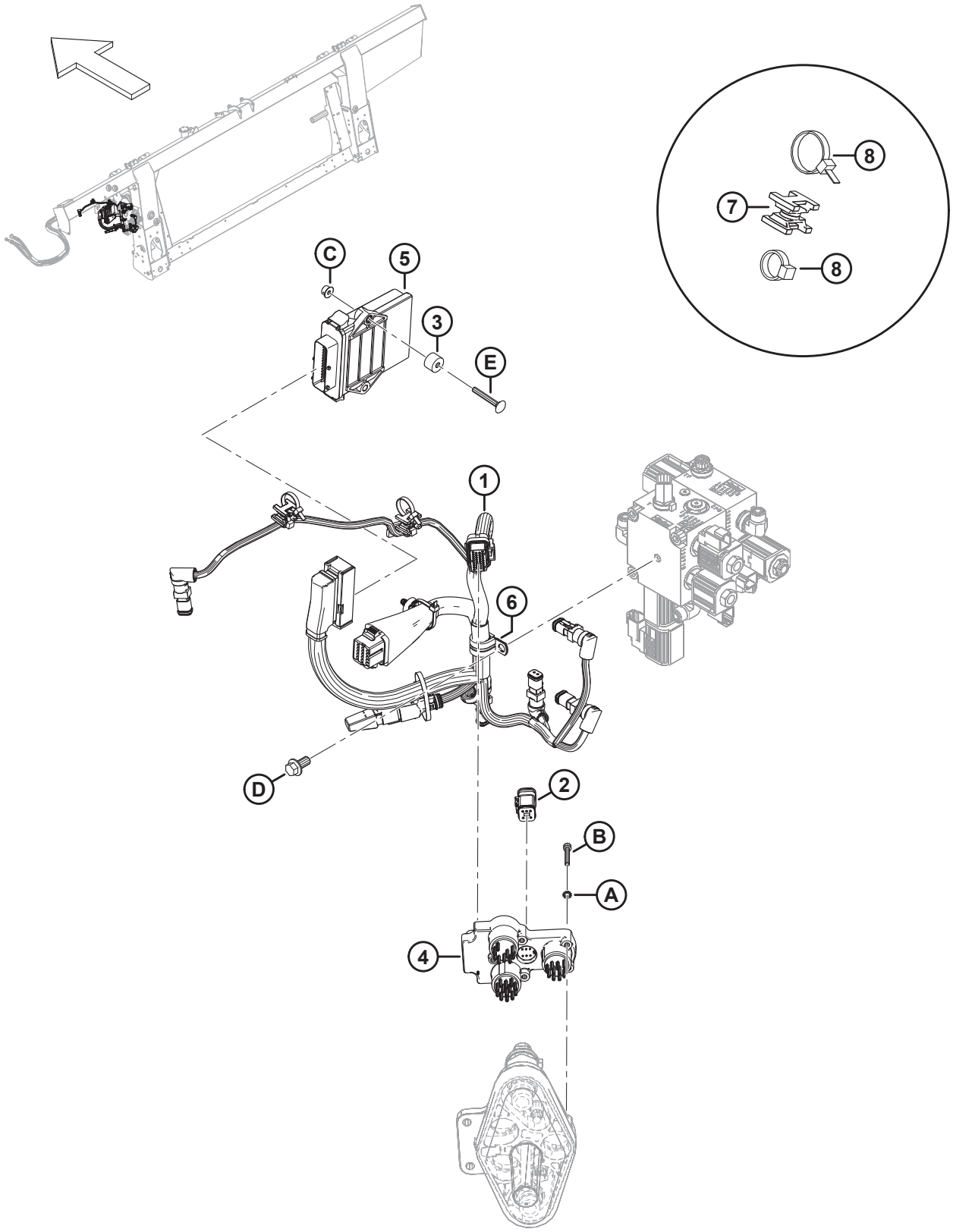
1009. The kit includes one hydraulic reservoir fill extension (NSS), 3 gaskets (NSS), 2 decals (MD #166450), 12 metric screws (MD #320397), 6 metric nuts (MD #136635), and instructions. For model year 2021 and prior machines with imperial threaded holes, order imperial screws (MD #135873) separately. Kits are available through Whole Goods only.

1010. The kit includes one hydraulic reservoir fill extension (NSS), 3 gaskets (NSS), 2 decals (MD #166450), 12 metric screws (MD #320397), 6 metric nuts (MD #136635), and instructions. For model year 2021 and prior machines with imperial threaded holes, order imperial screws (MD #135873) separately.

1011. The Oil Fill Gaskets kit includes two gaskets (NSS).

1012. On model year 2021 and prior units, use imperial screw (MD #135873) to prevent cross threading a metric bolt into an imperial threaded hole.

258 (Option) Integration Kit – CLAAS

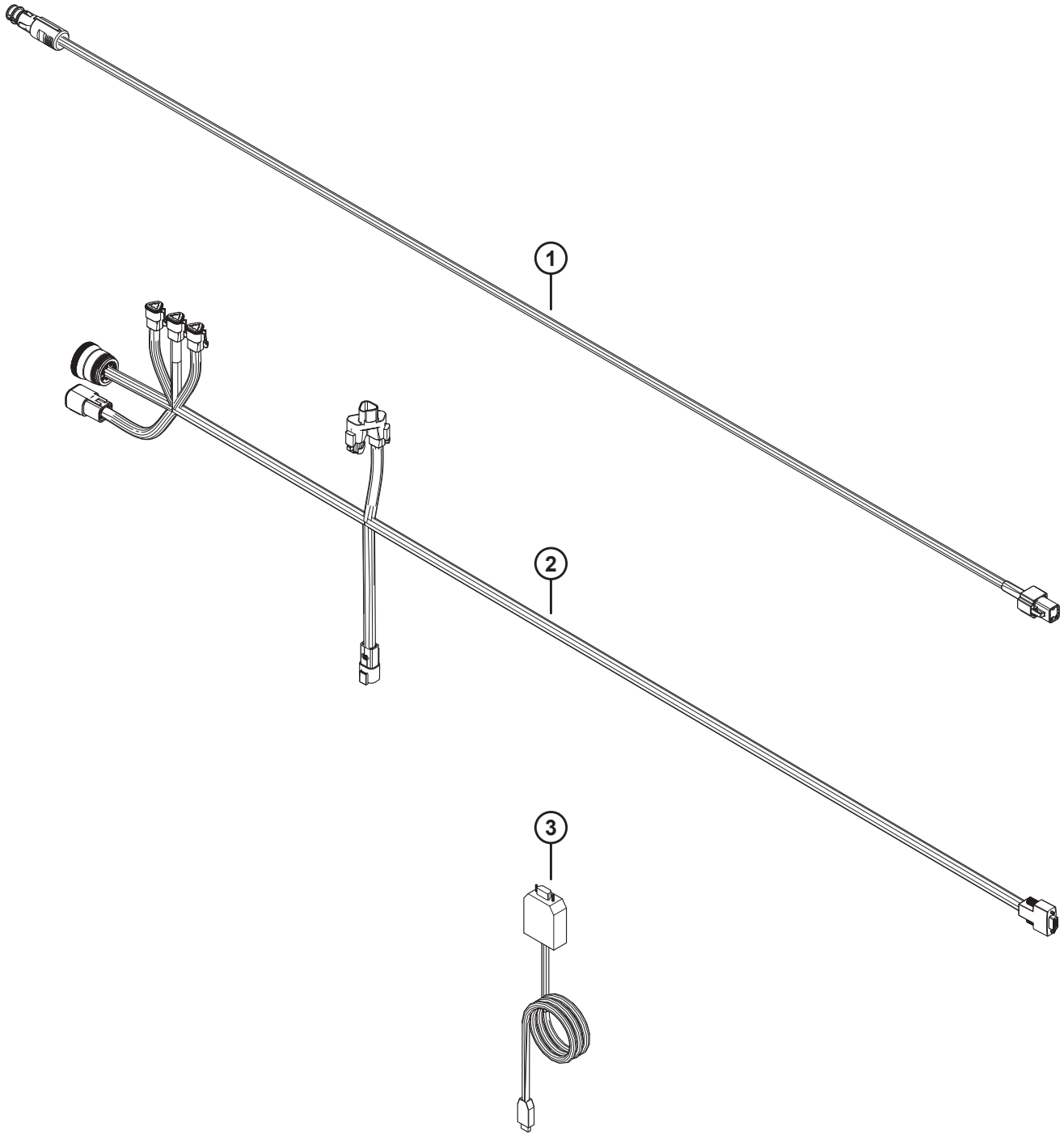


(OPTION) INTEGRATION KIT – CLAAS

Ref	Part Number	Description	Qty	Serial Number
	B7231	KIT – INTEGRATION, CLAAS [1013]		
1	357119	HARNESS – FM2 COMP, CLAAS INTEGRATION CONTROLLER	1	
	283215	DIODE PACK – 6A DIODE [1014]	1	
2	337352	PLUG – TERMINATOR	1	
3	328913	SPACER	2	
4	500605	COUPLER MODULE	1	
5	328065	MODULE – HEADER INTEGRATION	1	
6	135709	CLAMP – INSULATED 3/4 IN.	1	
7	134442	SPACER – DUAL SWIVEL SADDLE	2	
8	21763	FASTENER – CABLE TIE, BLACK	4	
A	184703	WASHER – EXT LK TOOTH M5-200HV-AF0C		
B	173117	SCREW – HEX SOC HD M5 X 0.8 X 35-8.8-AA1J		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
E	136731	BOLT – RHSN M6 X 1 X 45-8.8-AA1J		

1013.Kits are available through Whole Goods only.
1014.Service part for CLAAS completion harness MD #337119.

259 (Option) Module Programming Kit



(OPTION) MODULE PROGRAMMING KIT

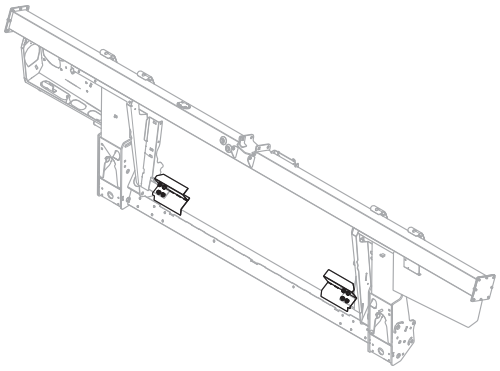
NOTE:

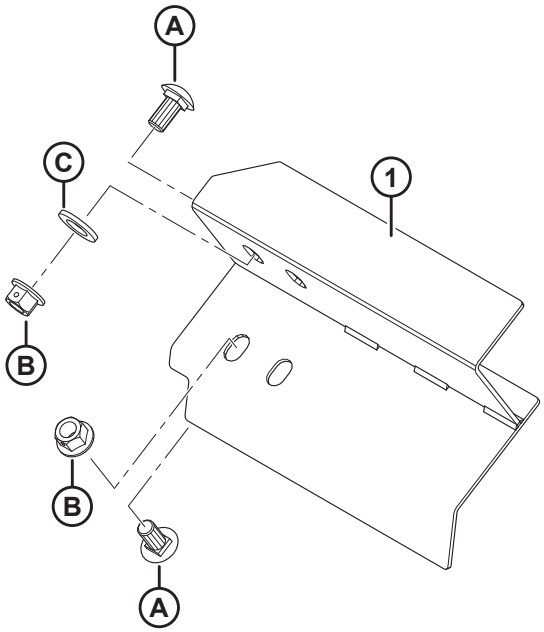
This kit is for FM200 Float Modules configured for John Deere X9 Series combines and is for Dealer use only.

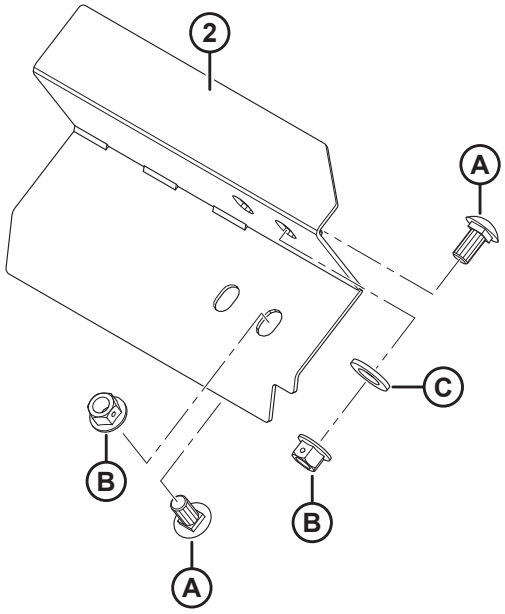
Ref	Part Number	Description	Qty	Serial Number
	368385	KIT – MODULE PROGRAMMING [1015]		
1	308943	HARNESS – EXT CAB PWR BOSCH/AUS	1	
2	500557	HARNESS – DIAG., PROGRAMMING	1	
3	500593	CABLE – PCAN TO USB	1	

1015.The Module Programming kit includes all listed parts and instructions. This kit is for Dealer use only.

260 (Option) Stripper Bars







1023852

(OPTION) STRIPPER BARS

Ref	Part Number	Description	Qty	Serial Number
	B6042	KIT – STRIPPER BARS, 265 MM LG (WITHOUT CUTOUT) [1016]		
	B6043	KIT – STRIPPER BARS, 265 MM LG (WITH CUTOUT) [1016]		
	B6044	KIT – STRIPPER BARS, 325 MM LG [1016]		
	B6045	KIT – STRIPPER BARS, 365 MM LG [1016]		
	B6046	KIT – STRIPPER BARS, 403 MM LG [1016]		
	B6213	KIT – STRIPPER BARS, 515 MM LG [1016]		
1	213523	STRIPPER – WELDMENT, LEFT (265 MM LG W/O CUTOUT)	1	
	276899	STRIPPER – WELDMENT, LEFT (265 MM LG W/ CUTOUT) [1017]	1	
	213573	STRIPPER – WELDMENT, LEFT (325 MM LG)	1	
	213567	STRIPPER – WELDMENT, LEFT (365 MM LG)	1	
	213561	STRIPPER – WELDMENT, LEFT (403 MM LG)	1	
	213579	STRIPPER – WELDMENT, LEFT (515 MM LG)	1	
2	213525	STRIPPER – WELDMENT, RIGHT (265 MM LG W/O CUTOUT)	1	
	276900	STRIPPER – WELDMENT, RIGHT (265 MM LG W/ CUTOUT) [1017]	1	
	213574	STRIPPER – WELDMENT, RIGHT (325 MM LG)	1	
	213568	STRIPPER – WELDMENT, RIGHT (365 MM LG)	1	
	213562	STRIPPER – WELDMENT, RIGHT (403 MM LG)	1	
	213580	STRIPPER – WELDMENT, RIGHT (515 MM LG)	1	
A	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-A3L		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
C	184717	WASHER – FLAT REG M16-200HV-AA1J		

1016.Kits are available through Whole Goods only.
1017.For John Deere S6X0 Series combines.

Index

795 482
1709 502
4761 122
4762 ..... 326, 332
5512 466
6647 466
7642 ..... 288, 476, 578, 606, 636
7674 ..... 298, 300, 302
9213 482
9333 482
11695 122
11814 ..... 486, 656
13125 ..... 6, 10, 12, 74, 76, 78, 80, 356, 570, 592
13617 514
16235 146
16266 16
16661 558
16681 ..... 136, 138, 140, 142, 144
17006 446
18468 136
18592 586
18598 484
18600 ..... 326, 332
18601 ..... 194, 196, 198, 268, 270, 272, 486, 498
18603 ..... 122, 522
18605 ..... 62, 68, 146
18606 ..... 122, 424, 428, 432
18607 ..... 2, 4, 148, 154, 156, 346, 464
18608 ..... 326, 344, 348, 400, 496, 502
18609 ..... 342, 402, 496, 520
18619 356
18621 ..... 126, 128, 130, 136, 138, 142, 144
18624 ..... 410, 418
18626 ..... 132, 134, 570
18629 ..... 132, 134
18637 ..... 32, 34, 36, 38
18638 ..... 478, 484
18648 ..... 126, 128, 130, 132, 134, 138, 140, 142, 144, 146, 328, 344, 356, 400, 486, 656
18669 ..... 332, 334
18671 ..... 62, 68, 146, 330, 344, 356, 400, 494
18704 ..... 2, 136, 138, 142, 144
18768 ..... 424, 428, 432
18798 ..... 346, 442
18867 ..... 32, 34, 36, 38
18898 ..... 504, 508
18916 ..... 346, 402
19542 358
19809 592
19958 ..... 140, 146
20312 496
21010 514
21032 344
21061 446
21194 122
21235 ..... 478, 482
21301 ..... 148, 152, 156, 158
21363 ..... 444, 452
21383 372
21540 ..... 2, 4, 330, 502
21572 412
21763 ..... 188, 218, 224, 238, 282, 284, 286, 334, 344, 424, 428, 432, 446, 458, 520, 524, 528, 552, 554, 556, 558, 588, 594, 598, 600, 628, 642, 660
21859 ..... 422, 426, 430
22072 ..... 66, 70
23163 562
23164 304
23165 ..... 304, 440, 562
23950 322
25991 322
26429 356
30144 ..... 126, 128, 130
30191 456
30228 404
30316 ..... 468, 472
30368 372
30441 ..... 40, 42
30463 ..... 2, 4, 502
30505 ..... 40, 42, 66, 70, 484, 486
30515 372
30520 ..... 146, 344, 400
30627 ..... 66, 70, 424, 428, 432, 472, 498
30628 ..... 288, 452, 456, 518
30629 ..... 126, 128, 130
30630 ..... 150, 154, 156, 158, 452, 586
30631 ..... 64, 70, 298, 300, 302, 440
30632 ..... 424, 428, 432, 462, 568, 576, 612, 620, 624
30636 500
30655 ..... 66, 70, 150, 154
30660 ..... 216, 218, 222, 226, 232, 236, 240, 244, 440
30661 ..... 422, 426, 430
30693 522
30701 464
30702 464
30715 ..... 66, 346, 350, 370, 506, 508
30716 ..... 414, 420
30753 ..... 216, 220, 226, 230, 234, 240, 244, 458, 494, 524, 528, 566, 574, 588, 594, 598, 612, 620, 628
30856 ..... 64, 70
30934 ..... 424, 428, 432
30971 ..... 188, 190, 194, 196, 198, 200, 204, 208, 210, 212, 214, 246, 248, 250, 252, 442, 446, 454, 528, 534, 540, 542, 546, 548, 550, 568, 574
31465 484

31774.....2, 4, 150, 154, 156, 498
32070.....304, 562
32247.....592
32879.....322
32880.....322
36651.....468, 472
39272.....348
40095.....468
40701.....188, 240, 244, 252, 254, 258, 262, 264, 542, 548, 566, 574, 582, 588, 594, 598, 612, 620, 622, 632, 646
40702.....188, 218, 224, 238, 446, 520, 540, 542, 546, 548, 566, 574, 582, 588, 612, 620, 622, 626, 632, 646
40703.....188, 238, 240, 254, 258, 262, 264, 446, 520, 540, 542, 546, 548, 594, 598
40704.....188, 218, 224, 238, 446, 520, 540, 542, 546, 548, 594, 598
42592.....40
43219.....294
44209.....188, 190, 192, 196, 198, 268, 270, 272, 442, 454, 526, 528, 532, 540, 542, 546, 548, 550, 582, 610, 618, 622, 632, 646
44210.....192, 196, 198, 200, 204, 208, 210, 212, 214, 250, 252, 422, 426, 430, 446, 454, 528, 532, 534, 540, 544, 566, 574, 588, 594, 598, 610, 618, 622, 626
45427.....522
47225.....332, 334
49227.....188, 226, 230, 244, 520, 540, 542, 546, 548, 566, 574, 582, 588, 612, 620, 622, 626, 632, 646
49232.....188, 252, 542, 548, 566, 574, 582, 588, 594, 598, 612, 620, 622, 632, 646
49306.....422, 426, 430
49378.....356, 398
49904.....496
50071.....288
50083.....478
50139.....326, 504, 508, 654
50140.....440
50154.....298, 300, 302, 480
50155.....2, 4, 52, 54, 56, 58, 154, 158, 480, 484
50186.....372
50193.....16, 186, 324, 398
50219.....188, 190, 210, 212, 214, 220, 226, 232, 236, 244, 254, 258, 262, 264, 520, 534, 542, 548, 566, 568, 574, 582, 588, 594, 598, 610, 612, 618, 620, 624, 626, 632, 646
50220.....190, 446, 454, 526, 528, 532, 534, 540, 542, 546, 548
50222.....454, 528
50223.....190, 192, 196, 198, 422, 426, 430, 454, 528, 530, 534
52129.....2, 4
100500.....62, 68, 94, 98, 102, 108, 112, 116, 120, 496
100577.....190
100709.....124
100710.....124
100712.....124
100714.....124
100715.....124
100717.....124
100718.....124
100719.....124
100720.....124
100721.....124
100722.....124
100723.....124
100726.....124
100862.....514
101007.....344, 400
101095.....410, 418
101897.....32, 34, 36, 38
102264.....10, 12, 74, 76, 78, 80, 356, 410, 418, 520
102629.....124
102630.....124
102711.....190, 620
103361.....326
103575.....190
103879.....140, 146
108172.....404, 406, 424, 428, 432
109773.....556, 558
111521.....148, 154
111528.....504, 508
111545.....526, 532
112130.....48, 50, 486, 656
112823.....250, 252
112866.....454
112868.....454, 546, 548
113152.....124
113153.....124
113222.....62, 68, 94, 98, 102, 108, 112, 116, 120, 496
113229.....122
113561.....350, 592
113566.....348
113799.....580, 630
113813.....326
113937.....94, 98, 102, 108, 112, 116, 120
114142.....588
114143.....588
115146.....304, 562
115670.....94, 98, 102, 108, 112, 116, 120
115759.....304
118011.....514
118239.....350
119529.....414, 420
119558.....414, 416, 418
119560.....414
119565.....414
119593.....410, 418

119623 410
119641 410
119653 ..... 414, 416
119654 ..... 414, 416, 418
119655 414
119656 414
119666 410
119667 410
119672 ..... 410, 418
119691 ..... 410, 418
119692 ..... 416, 418
119693 ..... 416, 418
119694 416
119696 ..... 410, 418
119697 ..... 410, 418
119705 410
119706 410
119725 ..... 410, 418
119726 ..... 414, 420
119737 420
119738 ..... 410, 418
119745 418
119757 ..... 410, 418
119766 414
120845 ..... 40, 42
120901 122
123180 ..... 476, 490, 578, 606, 636
123318 448
123406 484
123978 520
125377 ..... 224, 238, 240
129148 ..... 566, 574
129149 ..... 610, 618, 622
129313 304
129481 ..... 594, 598
129711 626
129772 ..... 596, 600
129773 596
129800 ..... 582, 632, 646
129801 ..... 582, 632, 646
129859 ..... 610, 618, 622
129860 ..... 610, 618, 622
129965 ..... 596, 602
129976 ..... 582, 632, 646
129977 ..... 582, 632, 646
130283 512
132117 562
132531 40
132782 626
132783 626
133047 498
133136 522
133138 592
133241 586
133242 586
133372 514
133439 592
133631 468
133632 470
133634 468
133641 474
133877 476
133942 442
133992 ..... 344, 400
134010 ..... 584, 634, 648
134011 ..... 584, 634, 648
134043 628
134437 ..... 220, 226, 232, 236, 244, 448
134442 ..... 282, 284, 286, 424, 428, 432, 458, 552, 554, 600, 628, 660
134612 ..... 594, 600
134728 ..... 282, 284, 286, 552, 554, 568, 590, 602
134730 ..... 282, 284, 286, 552, 554, 568, 590, 600
134916 ..... 582, 632
135148 322
135156 ..... 346, 402, 480, 484
135157 484
135226 240
135234 520
135235 434
135248 412
135266 ..... 188, 226, 230
135267 ..... 568, 574, 610, 620, 622
135290 482
135301 ..... 158, 628
135319 358
135335 ..... 186, 444
135336 26
135337 ..... 6, 10, 12, 14, 26, 32, 36, 38, 40, 44, 46, 48, 50, 64, 70, 72, 74, 76, 78, 80, 146, 180, 184, 202, 206, 208, 210, 212, 214, 250, 252, 294, 296, 326, 332, 334, 350, 358, 370, 424, 428, 432, 440, 492, 516, 518, 560, 568, 576, 584, 588, 596, 598, 612, 620, 624, 634, 640, 648, 654
135369 ..... 346, 480, 484
135377 294
135400 ..... 526, 532
135401 ..... 326, 462
135443 ..... 216, 226, 230, 240, 250, 252, 254, 258, 262, 264
135444 ..... 218, 224, 238, 430, 542, 548, 566, 574, 612, 620, 622
135523 358
135554 ..... 446, 454, 526, 528, 532, 534, 546, 548
135587 534
135598 566
135626 512
135630 ..... 392, 396, 512
135696 ..... 26, 352, 358
135709 ..... 594, 600, 660

135716 344
135723 .....490, 650
135734 ..... 526, 532, 534, 546, 548
135778 .....188, 210, 212, 214, 216, 218, 220, 224, 226, 230, 234, 238, 240, 242, 254, 258, 262, 264, 324, 328, 520, 542, 548, 568, 574, 582, 588, 594, 598, 610, 612, 618, 624, 626, 632, 646
135780 .....188, 192, 196, 198, 268, 270, 272, 540, 546
135783 .....326, 410, 418, 444, 452, 466, 540, 544, 546, 550
135785 ..... 26, 32, 34, 36, 38, 40, 250, 252, 256, 258, 262, 264, 326, 412, 418, 424, 428, 432, 440, 486, 510, 518, 572
135786 .....188, 454, 528, 542, 548, 568, 574, 582, 588, 594, 598, 610, 620, 624, 632, 646
135788 .....188, 194, 196, 198, 200, 204, 208, 210, 212, 214, 246, 248, 250, 252, 446, 540, 542, 546, 548
135789 .....446, 540, 542
135799 ..... 6, 10, 12, 18, 26, 32, 34, 36, 38, 40, 60, 64, 70, 126, 128, 130, 132, 134, 166, 168, 170, 178, 180, 182, 184, 186, 194, 196, 198, 200, 206, 208, 250, 252, 256, 258, 262, 264, 288, 326, 330, 332, 334, 340, 346, 352, 358, 376, 380, 412, 418, 424, 428, 432, 436, 440, 468, 472, 474, 478, 486, 488, 490, 492, 498, 504, 508, 510, 514, 518, 536, 540, 544, 546, 550, 564, 570, 580, 586, 592, 608, 614, 616, 630, 638, 644, 650
135800 .....404, 406
135821 .....446, 528, 534, 540, 542, 548
135865 .....188, 210, 212, 214, 218, 220, 224, 226, 230, 232, 234, 236, 240, 242, 244, 254, 258, 260, 262, 264, 328, 434, 454, 520, 528, 530, 534, 542, 548, 566, 568, 574, 582, 588, 594, 598, 610, 612, 618, 620, 622, 624, 626, 632, 646
135866 .....188, 192, 196, 198, 266, 268, 270, 272, 446, 532, 534, 540, 542, 544, 546, 548, 550, 582, 588, 594, 598, 610, 618, 622, 632, 646
135867 .....188, 192, 196, 198, 200, 204, 208, 210, 212, 214, 250, 252, 422, 426, 430, 454, 528, 532, 534, 542, 546, 548, 550, 566, 568, 574, 626
135868 .....188, 192, 194, 196, 198, 200, 204, 208, 210, 212, 214, 246, 248, 250, 252, 446, 454, 528, 530, 534, 540, 542, 546, 548
135873 .....442, 658
135888 542
135889 .....246, 248
135894 ..... 26, 40, 44, 46, 48, 50, 294, 296, 568, 576, 612, 620, 624
135900 ..... 66, 70, 424, 428, 432, 480, 616
135901 .....454, 528
135903 ..... 32, 34, 36, 38, 42, 44, 46, 48, 50, 136, 138, 140, 142, 144, 536, 570, 592, 608, 664
135952 190
135957 .....192, 196, 198, 422, 426, 430, 454, 528, 534
135959 154
135995 .....496, 520
136005 ..... 82, 84, 86, 88, 90, 92, 392, 394
136024 454
136036 ..... 82, 84, 86, 88, 90, 92, 338, 386, 388, 390, 392, 394, 514, 592
136050 518
136057 .....64, 70, 78, 80
136088 502
136089 ..... 454, 528, 532, 534, 626
136095 .....216, 220, 224, 226, 230, 234, 238, 240, 242, 520, 534, 566, 574, 594, 598, 610, 618, 626, 646
136106 .....526, 532
136108 604
136109 534
136113 .....424, 504, 508
136122 ..... 2, 4, 8, 126, 128, 130, 132, 330
136124 ..... 2, 4
136137 ..... 64, 70, 458
136141 ..... 64, 70, 570
136143 ..... 2, 4, 136, 138, 140, 142, 144, 146
136144 .....224, 240, 520, 594, 598, 620
136145 ..... 216, 220, 234, 254, 258, 262, 264
136146 ..... 218, 226, 230, 242, 254, 258, 262, 264
136149 .....454, 528
136150 .....216, 220, 234
136151 ..... 10, 60, 74, 76, 78, 80, 166, 168, 170, 274, 276, 278, 280, 376, 380, 502, 522, 584, 588, 634, 648, 656
136159 .....326, 332
136167 .....298, 300
136178 ..... 26, 332, 334, 340, 488, 490, 498, 592, 638, 650
136181 566
136209 ..... 150, 154, 156, 158
136211 ..... 74, 76, 78, 80, 274, 276, 278, 280, 432
136219 610
136220 ..... 542, 548, 582, 632, 646
136231 .....26, 352, 504, 508
136240 .....224, 238, 240
136244 .....192, 196, 198, 268, 270, 272
136245 .....192, 196, 198, 200, 204, 208, 246, 248, 250
136246 532
136248 514
136249 434
136269 .....190, 442
136291 .....150, 154, 398, 484, 580, 630
136300 ..... 180, 184, 294, 296, 412
136302 440
136308 .....514, 524, 530
136310 .....132, 134
136312 338
136325 ..... 254, 258, 262, 264
136326 ..... 254, 258, 262, 264
136327 .....250, 252, 626
136337 .....454, 530

136339 ..... 16, 358, 414, 440
136342 ..... 16, 358, 414, 440
136347 ..... 454, 528, 534, 546, 550
136355 ..... 194, 196, 198, 202, 206, 208, 246, 248, 250
136378 ..... 398, 486
136395 ..... 178, 180, 184, 376, 380, 436
136399 ..... 186, 458
136401 ..... 150, 154
136420 70
136431 ..... 6, 26, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 66, 70, 122, 136, 138, 140, 142, 144, 150, 154, 156, 158, 164, 166, 168, 170, 178, 180, 346, 350, 352, 358, 376, 380, 398, 402, 424, 428, 432, 444, 452, 458, 480, 484, 492, 500, 514, 522, 524, 530, 534, 564, 570, 580, 586, 592, 608, 614, 616, 630, 640, 644, 664
136440 ..... 126, 130, 132, 326, 346, 402, 410, 418, 458, 480, 484, 522
136441 480
136442 ..... 194, 196, 198, 202, 206, 208, 216, 218, 222, 224, 228, 232, 236, 238, 244
136443 154
136445 146
136446 ..... 150, 154, 156, 346
136447 ..... 430, 454, 528, 534
136473 ..... 66, 70, 458
136476 ..... 64, 70, 570
136477 330
136483 532
136485 ..... 80, 146, 290, 294, 296, 358, 442, 504, 508, 656
136486 ..... 202, 206, 208, 210, 212, 214, 250, 252, 432
136492 14
136495 ..... 64, 70, 194, 196, 198, 200, 206, 208
136506 ..... 432, 492, 564, 592, 616
136512 ..... 2, 4, 64, 70
136513 ..... 2, 4, 66, 70
136524 190
136527 250
136540 ..... 216, 218, 220, 232, 236, 244, 254, 258, 262, 264
136561 ..... 290, 294, 298, 300, 302, 440
136592 ..... 150, 154, 506, 508
136595 294
136596 498
136604 290
136613 ..... 290, 292
136625 592
136635 ..... 294, 658
136640 ..... 6, 28, 178, 180, 182, 376, 380, 504, 508
136653 434
136654 434
136655 ..... 284, 286, 334, 494, 552, 554, 558, 594, 600, 642
136671 8
136684 ..... 532, 546, 550
136701 ..... 2, 4, 126, 130, 132
136702 ..... 150, 154
136704 498
136717 ..... 580, 630
136731 ..... 600, 660
136736 ..... 26, 484
136741 ..... 268, 270, 272
136746 ..... 210, 212, 214
136748 ..... 10, 12, 292, 296, 336, 628
136749 ..... 18, 340, 410, 418
136755 522
136757 484
136759 ..... 40, 44, 46, 48, 50, 150, 154, 358, 440, 476
136766 ..... 454, 528
136771 558
136773 ..... 332, 334, 346, 350, 440
136779 ..... 202, 206, 208, 210, 250
136824 ..... 44, 46, 48, 50, 64, 70, 294, 296
136842 ..... 150, 154
136846 ..... 454, 528
136848 ..... 2, 4
136850 190
136857 346
136882 ..... 148, 154
136886 558
136887 ..... 2, 4
136900 ..... 220, 226, 232, 236, 244, 448
137092 404
137118 404
137375 ..... 122, 148, 152, 422, 426, 430
137476 ..... 148, 152, 156, 158
137519 404
137529 ..... 164, 376, 378
137721 ..... 148, 154, 158
137753 ..... 148, 154
137754 404
137825 ..... 152, 158
137980 ..... 162, 374, 378
139003 124
140225 562
140250 156
141220 348
142777 468
143107 122
144531 ..... 348, 400
144724 346
145249 ..... 40, 42
145840 ..... 32, 34, 36, 38
148798 ..... 48, 50
150891 468
151691 482
151793 482
151941 614
151942 614

152009 398
152193 ..... 64, 70
152274 ..... 444, 570
152395 522
152439 ..... 46, 48, 136, 138, 142, 144, 492, 640
152520 ..... 66, 70, 132, 134, 514
152602 ..... 122, 326
152655 ..... 6, 26, 60, 184, 352, 358, 376, 380, 408, 444, 452, 490, 522, 534, 568, 576, 596, 598, 600, 612, 620, 624, 650, 660
152668 ..... 10, 12, 150, 154, 158, 186, 216, 222, 236, 256, 258, 262, 264, 290, 292, 296, 336, 350, 440, 498, 558, 600, 620, 628, 660
152670 440
152702 ..... 346, 398
152730 ..... 40, 146, 150, 154, 156, 158, 484, 526, 564, 570, 580, 614, 616, 630, 644
152731 ..... 372, 444, 452, 458, 462, 580, 630
152732 ..... 40, 126, 128, 130, 132, 134, 358, 428, 432, 434
152779 ..... 346, 358, 444
152863 ..... 34, 36, 38, 50
153151 ..... 582, 632, 646
156178 ..... 126, 128, 130
156501 496
156696 442
156741 496
156743 ..... 484, 498
156783 592
156948 ..... 580, 630
158080 570
158174 ..... 190, 442, 526
158377 558
159020 518
162116 ..... 594, 598
163598 ..... 566, 574, 612, 620, 622
164061 ..... 148, 152, 156, 158
164213 ..... 148, 152, 156, 158
164214 ..... 148, 152, 156, 158
164215 146
164216 146
165168 186
165218 304
165524 ..... 20, 22, 24, 304, 346
165588 186
165735 ..... 40, 42
166450 658
167307 ..... 584, 634, 648
170851 ..... 218, 226, 230, 244
172259 42
172340 ..... 422, 426, 430
172558 484
173117 ..... 600, 660
174131 562
174304 ..... 122, 422, 426, 430
174418 ..... 64, 68
174436 304
174849 ..... 162, 374, 378, 392, 394
174879 ..... 132, 134
181475 410
181649 482
182181 ..... 610, 620, 622
182182 ..... 610, 618, 622
183506 478
183508 ..... 478, 482
184303 ..... 210, 212, 214, 216, 218, 220, 226, 230, 234, 240, 242
184460 ..... 610, 618, 622
184461 ..... 192, 196, 198, 200, 204, 208, 210, 212, 214, 422, 426, 430, 528, 534, 574
184462 ..... 588, 610, 618, 622
184463 ..... 446, 524, 528, 534, 540, 544, 588, 594, 598, 610, 618, 622
184524 ..... 612, 620, 624
184584 ..... 404, 406
184587 460
184597 ..... 162, 376, 380
184603 ..... 610, 620, 622
184642 ..... 292, 296, 336
184643 350
184644 ..... 216, 222, 236, 256, 258, 262, 264, 620
184646 ..... 64, 70, 346, 350
184648 ..... 432, 518
184649 6
184652 ..... 370, 414, 420, 518, 596, 598
184656 ..... 218, 224, 238, 252, 332, 334, 358
184657 ..... 10, 12, 534, 564, 570, 580, 586, 592, 608, 614, 630, 644
184659 498
184661 ..... 6, 18, 42, 424, 428, 440
184662 ..... 42, 186, 330, 332, 334, 432, 468, 474, 478, 492, 498, 564, 572, 644
184663 122
184664 ..... 326, 330, 372, 498
184665 ..... 6, 26, 358, 424, 428, 432, 444, 452
184667 ..... 6, 32, 34, 150, 154, 350, 410, 418, 564, 570, 580, 586, 614, 616, 630, 644
184669 ..... 122, 154, 500, 504, 508, 592, 608
184672 350
184673 ..... 122, 358
184675 ..... 476, 592
184677 ..... 66, 70, 326
184679 350
184681 ..... 64, 70
184683 ..... 74, 76, 78, 80, 290, 292
184685 ..... 64, 70, 294
184688 ..... 74, 76, 78, 80
184692 ..... 186, 194, 196, 198, 202, 206, 208, 216, 218, 222, 224, 228, 232, 236, 238, 244
184694 ..... 2, 4, 52, 54, 56, 58, 516

184695 358
184696 ..... 18, 122, 384, 440
184697 ..... 162, 372, 376, 380
184699 458
184701 290
184703 ..... 600, 660
184705 ..... 64, 70, 74, 76, 78, 80, 294, 558
184706 ..... 30, 334, 442, 656
184708 ..... 72, 78, 80, 150, 154, 346, 440
184709 ..... 52, 58, 64, 70, 332, 334, 350, 358, 414, 420, 504, 508, 518, 654
184711 ..... 28, 40, 42, 66, 70, 186, 294, 296, 444, 452, 456, 516, 518, 568, 576, 604, 610, 612, 618, 620, 624, 626
184712 ..... 6, 424, 428, 432, 498
184714 ..... 82, 84, 86, 88, 90, 92, 154, 158, 358, 444, 452, 522, 526, 532, 564, 570, 580, 586, 592, 608, 614, 616, 630, 644
184717 ..... 132, 134, 136, 138, 142, 144, 330, 350, 412, 418, 458, 570, 580, 614, 616, 630, 664
184718 ..... 2, 4, 26
184721 210
184977 ..... 62, 68
187018 566
187031 566
187137 ..... 488, 490, 638
187252 454
187428 ..... 478, 482
187477 466
187518 484
187660 520
187967 454
188470 ..... 326, 330
190752 518
190866 ..... 594, 598
191353 ..... 148, 154
191489 ..... 10, 12, 32, 34, 36, 38, 44, 46, 48, 50, 146, 424, 428, 432
191704 ..... 610, 618, 622
191705 ..... 610, 618, 622
193187 348
193240 342
193241 342
193242 342
193243 342
194033 454
194082 442
194521 468
197122 ..... 38, 484
197135 ..... 150, 154, 332, 334
197171 ..... 32, 34, 36, 38, 440, 492, 516, 518, 560, 588, 640, 654
197229 294
197230 ..... 290, 296, 334
197263 ..... 476, 488, 490, 578, 606, 636, 638, 650
197275 40
197319 498
197320 ..... 346, 442
206340 294
209045 ..... 446, 534
210661 344
210690 342
210918 346
210985 ..... 342, 402
212250 496
213084 ..... 488, 490, 578, 606, 636, 638, 650
213363 520
213418 510
213419 510
213420 482
213459 ..... 556, 558
213523 664
213525 664
213546 478
213552 478
213554 478
213561 664
213562 664
213567 664
213568 664
213573 664
213574 664
213579 664
213580 664
213608 476
213633 518
213634 518
213635 518
213649 478
213654 478
213656 476
213657 476
213659 478
213660 476
213679 478
213713 ..... 504, 508
213731 478
213733 478
213750 478
213801 478
213802 478
213824 ..... 596, 600
213851 ..... 478, 482
213857 482
213859 478
220084 304
220107 ..... 10, 12
220317 482
220570 558
220734 558

220766 468
220807 320
220814 320
220817 316
220824 316
220831 318
220832 318
220834 318
220835 320
220836 316
220908 534
220939 ..... 162, 376, 378
220941 ..... 162, 374, 378, 404
220951 538
220959 ..... 604, 610, 618
220960 538
220961 538
220963 538
220965 538
226280 ..... 82, 84, 86, 88, 90, 92, 338, 392, 394
226295 ..... 82, 84, 86, 88, 90, 92, 388, 390, 392, 394
226400 122
226861 ..... 84, 86, 90, 92
226926 122
226927 122
226941 ..... 94, 98, 102, 108, 112, 116, 120
226983 ..... 94, 98, 102, 108, 112, 116, 120
227656 40
227747 40
227914 ..... 40, 42
228292 ..... 148, 152, 156, 158
228299 ..... 148, 152
228301 ..... 148, 154, 158
228302 156
228316 ..... 164, 376, 380
228319 ..... 162, 374, 378
228322 146
228338 ..... 132, 134
228381 ..... 136, 138, 140, 142, 144
228382 ..... 152, 158
228384 ..... 152, 158
228385 ..... 152, 158
228460 ..... 148, 154
228470 ..... 298, 300, 302
228471 ..... 298, 300
228473 ..... 298, 300, 302
228477 ..... 148, 154
228478 ..... 148, 154
228479 ..... 148, 154
228485 ..... 148, 154
228604 ..... 148, 152
228611 ..... 148, 152
228614 148
228619 152
228848 152
229064 ..... 66, 70
229340 ..... 62, 68
230968 ..... 348, 400
231368 510
231448 486
231765 518
232219 ..... 210, 212, 214, 432
232233 ..... 200, 204, 208, 210, 212, 214, 250, 252, 432
232395 ..... 210, 212, 214, 216, 218, 220, 226, 230, 234, 240, 242
232397 ..... 200, 204, 208, 210, 212, 214, 250, 252
232405 ..... 250, 252
232676 ..... 290, 292
232762 384
232806 186
233371 ..... 422, 426, 430
233443 ..... 424, 428, 432
233445 ..... 424, 428, 432
233446 ..... 424, 428, 432
233447 ..... 424, 428, 432
233450 ..... 422, 426, 430
233513 ..... 422, 426, 430
233514 ..... 424, 428, 432
233516 ..... 428, 432
233519 422
233552 ..... 426, 430
233621 ..... 424, 428, 430
233622 ..... 424, 428, 430
233623 ..... 424, 428, 430
233625 ..... 424, 428, 432
233635 386
233654 424
233655 424
233656 424
233657 424
233658 424
233659 424
233660 424
233661 424
233662 426
233663 428
233664 426
233665 428
233666 430
233667 430
233668 428
233669 ..... 428, 430
233705 ..... 424, 428, 430
233706 ..... 424, 428, 430
233736 422
233738 422
233740 ..... 426, 430
233741 ..... 426, 430
233745 ..... 304, 432
233748 338

233770 338
233799 386
233800 386
233841 356
233870 324
233874 324
233891 ..... 332, 334
233900 ..... 332, 334
233906 ..... 332, 334
233912 288
233913 288
233914 288
233920 326
233950 ..... 332, 334
233964 ..... 332, 334
233975 326
237316 592
237363 ..... 580, 630
240010 518
240013 518
240254 518
240264 518
245093 ..... 306, 310, 312
245158 ..... 422, 426, 430
245160 538
245199 ..... 148, 154
245246 592
245316 ..... 514, 524, 528
245428 314
245432 314
245433 314
245753 ..... 526, 532
245966 486
247222 344
248117 476
248144 482
248145 476
248261 496
248285 478
248348 486
248349 486
248388 482
248538 476
248643 ..... 290, 294
248833 518
248914 518
248960 ..... 566, 610, 618, 622
251879 290
251881 290
252002 ..... 202, 206, 208, 250
252051 ..... 442, 518, 656
252176 186
252179 ..... 412, 420
252187 ..... 480, 484
252188 ..... 480, 484
252208 ..... 454, 546, 548
252236 440
252272 ..... 346, 402, 514
252284 26
252288 484
252291 ..... 442, 518, 656
252292 440
252303 ..... 2, 4
252307 ..... 192, 196, 198, 422, 426
252319 626
252351 448
252398 440
252421 ..... 332, 334
252423 124
252462 ..... 444, 452
252533 458
252541 ..... 18, 480, 484
252554 ..... 454, 530
252564 498
252581 ..... 8, 126, 130, 132
252621 ..... 422, 426, 430
252638 478
252639 ..... 158, 484
252640 456
252641 532
252650 566
252655 358
252662 534
252687 ..... 162, 182, 376, 378, 392, 396
252691 ..... 478, 484
252692 520
252693 ..... 594, 598
252694 ..... 582, 632, 646
252701 478
252703 ..... 476, 488, 490, 578, 606, 636, 638, 650
252794 ..... 224, 226, 230, 240, 244
252795 ..... 188, 224, 240, 268, 270, 272
252814 ..... 446, 526, 532
252839 72
252902 ..... 188, 210, 212, 214
252958 342
254183 520
255461 ..... 216, 220, 234, 242
255930 ..... 36, 38
257054 124
257089 124
258041 ..... 62, 68
258298 ..... 62, 68
258318 ..... 504, 508
258326 398
258343 398
258346 62
258373 ..... 64, 68
258383 ..... 2, 4
258384 ..... 62, 68

258391 ..... 64, 68, 324, 328, 356
258399 62
258454 408
258481 ..... 62, 68
258582 ..... 62, 68
258585 ..... 62, 68
258586 ..... 64, 70
258601 64
258622 ..... 62, 68
258627 ..... 62, 68
258703 ..... 504, 508
258732 398
258740 ..... 62, 68
258757 ..... 62, 68
258761 ..... 62, 68
258791 ..... 64, 68
258792 304
258815 ..... 62, 68
258817 ..... 62, 68
258822 ..... 62, 68
258823 ..... 62, 68
258829 62
258831 62
258835 ..... 2, 4
258837 72
258843 ..... 2, 4
258846 ..... 64, 70
258849 62
258850 62
258876 ..... 392, 394, 504, 508
258893 78
258901 62
258932 78
258940 ..... 62, 68
258953 62
258963 62
258980 ..... 64, 68
258986 ..... 62, 68
258989 ..... 64, 68
258990 64
258997 74
258998 74
261092 4
261094 4
261097 4
261202 160
261204 160
261221 306
261222 306
261251 430
261282 432
261390 68
261398 68
261477 176
261478 176
261479 80
261480 80
261496 ..... 2, 4
261529 432
261541 432
261549 432
261550 432
261551 432
261552 432
261575 628
261619 430
261620 430
266277 2
273032 ..... 298, 300, 302
273052 ..... 404, 406
273078 ..... 148, 152
273122 ..... 136, 138, 140, 142, 144
273138 ..... 136, 138, 142, 144
273258 ..... 148, 152
273259 ..... 148, 152
273278 ..... 136, 142, 144
273281 ..... 138, 140
273283 ..... 136, 142
273284 ..... 138, 140, 144, 146
273285 ..... 250, 252
273304 ..... 136, 138, 140, 142, 144
273309 146
273347 ..... 164, 374, 378
273373 164
273375 ..... 166, 168, 170
273376 164
273440 304
273451 382
273452 382
273453 382
273523 ..... 166, 168, 170, 374, 378
273524 ..... 164, 374, 378, 410, 418
273536 ..... 164, 374, 378
273576 154
273615 372
273637 ..... 140, 146
273653 ..... 132, 134
273666 ..... 164, 166, 168, 170
273680 ..... 126, 128, 130
273758 ..... 148, 152
273759 156
273760 158
273770 158
273772 146
273777 ..... 136, 138, 140, 142, 144, 146, 410
273787 134
273788 132
273789 132
273790 ..... 126, 128
273791 130

273795 ..... 126, 128, 130
273813 ..... 178, 374
273823 178
273831 ..... 136, 138, 140, 142, 144, 146, 398
273860 ..... 126, 128, 130
273861 ..... 136, 138, 140, 142, 144
273875 ..... 148, 152
273877 162
273907 ..... 148, 152, 382
273926 ..... 148, 152, 156, 158
273963 ..... 148, 152, 382
273968 ..... 182, 374, 378
275199 46
275200 46
275211 40
275232 ..... 40, 42
275265 46
275266 46
275286 ..... 34, 36, 38
275287 ..... 34, 36, 38
275319 ..... 34, 36
275320 ..... 34, 36
275324 40
275332 42
275348 40
275375 40
275404 32
275405 32
275460 34
275461 34
275483 34
275484 34
275504 46
275505 46
275513 46
275514 46
275521 ..... 422, 426
275524 422
275530 422
275532 422
275533 422
275542 ..... 422, 426
275543 ..... 422, 426
275563 ..... 32, 34
275614 422
275623 ..... 32, 34, 38
275624 ..... 426, 430
275625 ..... 426, 430
275640 ..... 48, 50
275641 ..... 48, 50
275675 ..... 36, 38
275676 ..... 36, 38
275688 ..... 48, 50
275690 ..... 48, 50
275691 ..... 428, 432
275692 ..... 426, 430
275770 ..... 48, 50
275779 48
275837 34
275860 42
275864 ..... 42, 392, 394
275877 40
275879 40
275902 40
275954 48
275960 ..... 48, 50
275965 ..... 36, 38
276062 ..... 504, 508
276117 ..... 504, 508
276140 478
276180 478
276183 482
276206 478
276326 562
276631 534
276770 ..... 504, 508, 654
276790 448
276839 ..... 392, 394, 476
276899 664
276900 664
279011 ..... 566, 574
279012 ..... 566, 574
279034 ..... 566, 574
279035 ..... 566, 574
279085 ..... 304, 432
279228 ..... 604, 610, 618
279528 304
279737 566
283002 122
283008 434
283012 260
283014 258
283015 260
283016 258
283017 258
283018 258
283035 ..... 200, 250
283036 ..... 200, 250
283037 210
283038 210
283039 210
283046 192
283047 192
283048 192
283049 266
283050 266
283051 246
283052 246
283053 220
283055 220

283056 220
283057 ..... 216, 220, 234, 242
283058 ..... 216, 220, 234, 242
283059 ..... 216, 218, 220, 226, 230, 234, 242
283060 216
283061 ..... 422, 426
283062 ..... 422, 426
283063 ..... 192, 196, 198, 200, 204, 208
283065 ..... 192, 196, 198
283066 434
283068 ..... 200, 204, 208
283069 ..... 200, 204, 208
283070 ..... 200, 204, 208, 250
283074 ..... 226, 230
283075 ..... 226, 230
283077 ..... 422, 426
283078 226
283079 226
283080 226
283081 266
283082 266
283091 ..... 210, 250, 252
283092 ..... 250, 252
283096 ..... 218, 226, 230, 242, 254, 258, 260
283097 266
283098 210
283099 210
283102 192
283104 192
283108 210
283109 210
283141 220
283143 220
283144 220
283145 226
283146 226
283147 226
283159 266
283160 266
283161 266
283162 266
283164 246
283172 196
283173 196
283174 196
283175 204
283176 204
283180 220
283182 220
283183 220
283184 230
283185 230
283186 230
283190 270
283191 270
283192 270
283193 270
283194 266
283195 266
283199 246
283200 246
283201 192
283202 ..... 192, 196, 198, 200, 204, 208
283203 200
283204 200
283205 246
283215 ..... 582, 596, 600, 632, 660
283231 192
283232 192
283233 192
283246 216
283247 216
283248 216
283249 216
283251 218
283327 218
283378 ..... 200, 204, 208, 250
283409 192
283410 192
283411 192
283412 ..... 200, 204
283413 ..... 200, 204
283417 ..... 220, 234
283419 ..... 220, 234
283420 ..... 220, 234
283421 ..... 200, 204
283422 ..... 200, 204
283426 200
283427 200
283428 ..... 230, 242
283429 ..... 230, 242
283430 ..... 230, 242
283431 ..... 230, 242
283432 ..... 230, 242
283433 ..... 230, 242
283434 266
283435 266
283436 266
283437 266
283438 ..... 266, 270
283439 ..... 266, 270
283440 204
283441 204
283442 204
283443 204
283447 234
283449 234
283450 234
283451 242
283452 242

283453 242
283456 192
283457 192
283458 192
283459 266
283460 266
283461 246
283462 246
283463 196
283464 196
283465 196
283466 270
283467 270
283468 246
283469 246
283470 246
283471 246
283500 ..... 188, 190
283502 ..... 188, 190
283507 ..... 242, 260, 264
283508 212
283509 212
283555 ..... 422, 426, 430
283560 ..... 266, 270, 272
283561 ..... 212, 214
283562 ..... 212, 214
283563 ..... 212, 214
283564 ..... 212, 214
283565 ..... 212, 214
283566 ..... 212, 214
283567 190
283569 190
283571 ..... 422, 426, 430
283579 434
283773 ..... 254, 258, 260, 264
283776 260
283777 260
283783 328
283785 ..... 224, 238, 240
283786 238
283791 ..... 216, 220, 234, 242
283797 ..... 194, 196, 198, 200, 204, 216, 220, 234
283807 ..... 194, 196, 198, 200, 204, 216, 220, 234
283818 ..... 208, 218, 226, 230, 244
283820 ..... 208, 218, 226, 230, 244
283822 234
283823 234
283824 234
283830 260
283831 260
283832 260
283833 260
283836 260
283837 260
283838 260
283839 260
283849 ..... 74, 76, 78, 80, 274, 276, 278, 280
283889 ..... 224, 240
283906 ..... 218, 226, 230, 242
283907 ..... 218, 226, 230, 242
283909 ..... 218, 224, 238
283910 ..... 218, 224, 238
283984 ..... 194, 196, 198, 200, 204, 208
283987 ..... 218, 224, 238, 252
283988 ..... 218, 224, 238, 252
283989 ..... 218, 224, 238, 252
284215 344
284548 344
284549 348
284550 350
284705 ..... 324, 330
284706 ..... 324, 330
284707 ..... 326, 330
284708 ..... 326, 330
284709 ..... 326, 330
284710 ..... 326, 330
284871 570
284882 ..... 622, 626
284885 570
284886 570
284900 560
284929 626
284946 ..... 582, 632
284971 ..... 580, 630
284975 658
284976 ..... 580, 630
286087 122
286089 ..... 122, 124
286257 ..... 82, 84, 86, 88, 90, 92, 392, 394
286315 ..... 82, 84, 86, 388, 392, 394
286316 ..... 82, 84, 86, 388, 392, 394
286317 ..... 84, 86, 362, 394
286318 ..... 82, 88, 90, 92, 360, 390, 392
286319 ..... 82, 84, 86, 88, 90, 92, 360, 362, 390, 392, 394
286320 ..... 90, 92
286321 ..... 360, 362
286322 ..... 360, 362
286323 ..... 360, 362
286329 ..... 82, 84, 86, 392, 394
286330 ..... 88, 90, 92, 390
286331 ..... 82, 84, 86, 88, 90, 92, 390, 392, 394
286332 ..... 84, 86, 362, 394
286333 ..... 90, 92
286362 ..... 102, 108, 112, 116, 120
286363 ..... 102, 108, 112, 116, 120
286440 ..... 94, 98, 102, 108, 112, 116
286445 124
286461 ..... 94, 98, 102, 106, 110, 114, 118, 388, 390, 392, 394
286462 ..... 94, 98, 102, 106, 110, 114, 118

286463 ..... 102, 106, 110, 114, 118
286464 ..... 102, 106, 112, 114, 118
286465 ..... 102, 106, 110, 114, 118
286466 ..... 102, 106, 112, 114, 118
286475 ..... 94, 98, 102, 108, 112, 116, 120, 388, 390, 392, 394
286476 ..... 94, 98, 102, 108, 112, 116, 120, 388, 390, 392, 394
286477 ..... 94, 98, 102, 108, 112, 116, 120, 388, 390, 392, 394
286478 ..... 94, 98, 104, 108, 112, 116, 120
286479 .....30, 94, 98, 104, 108, 112, 116, 120, 392, 394
286481 .....94, 98, 102, 108, 112, 116, 120, 392, 394
286483 124
286485 124
286486 124
286488 124
286489 124
286490 124
286493 ..... 94, 98, 102, 106, 110, 114, 118
286502 10
286503 ..... 10, 12
286562 ..... 94, 96, 100, 106, 110, 114, 118
286563 ..... 100, 106, 110, 114, 118
286564 .....94, 96, 110, 114, 118
286565 .....96, 100, 106, 110
286566 ..... 94, 98
286567 98
286574 102
286575 .....102, 110
286576 106
286578 114
286579 ..... 94, 96, 100, 106, 110, 114, 118
286580 ..... 100, 106, 110, 114, 118
286581 .....94, 96, 110, 114, 118
286582 .....96, 100, 106, 110
286583 ..... 94, 98
286584 98
286591 102
286592 .....102, 110
286593 106
286595 114
286597 94
286598 96
286599 96
286600 96
286609 94
286610 96
286611 96
286612 96
286616 100
286617 100
286618 106
286619 110
286620 114
286621 ..... 94, 98, 104, 108, 112, 116, 120
286627 ..... 94, 98, 102, 106, 110, 114, 118
286628 ..... 102, 106, 110, 114, 118
286629 ..... 102, 106, 112, 114, 118
286663 84
286664 84
286665 84
286666 84
286667 84
286668 82
286669 82
286670 82
286671 82
286673 90
286674 90
286675 90
286676 90
286677 90
286678 90
286679 88
286680 88
286681 88
286682 88
286683 362
286684 362
286685 362
286686 362
286687 362
286688 362
286689 362
286690 360
286691 360
286692 360
286693 360
286703 122
286705 .....82, 84, 86, 88, 90, 92
286725 ..... 10, 12
286741 ..... 10, 12
286758 ..... 94, 96, 100, 106, 110, 114, 118
286759 ..... 100, 106, 110, 114, 118
286760 .....94, 96, 110, 114, 118
286761 .....96, 100, 106
286763 ..... 94, 98
286764 98
286767 102
286768 .....102, 110
286769 106
286770 114
286779 94
286780 96
286781 96
286782 96
286787 100
286788 100
286789 106

286790 110
286791 114
286826 122
286861 ..... 102, 108, 112, 116, 120, 394
286862 ..... 102, 108, 112, 116, 120
286863 ..... 102, 108, 112, 116, 120
286865 ..... 100, 118
286866 ..... 100, 106
286867 110
286868 114
286870 ..... 100, 118
286871 ..... 100, 106
286872 110
286873 114
286875 ..... 100, 118
286876 ..... 100, 106
286877 110
286878 114
286886 100
286887 100
286888 106
286889 110
286890 114
286900 118
286901 118
286902 118
286917 118
286918 118
286919 118
287031 650
287032 650
287449 ..... 328, 520
287450 ..... 328, 520
287451 520
287456 604
287460 604
287461 604
287462 604
287465 604
287466 538
287467 538
287468 538
287469 538
287471 538
287472 538
287473 538
287613 538
287701 342
287702 ..... 534, 562
287705 562
287797 558
287859 556
287878 566
287887 ..... 488, 490, 650
287888 ..... 488, 490, 650
287889 ..... 490, 638, 650
287890 ..... 490, 638, 650
287939 518
288195 304
288438 ..... 2, 4
289220 6
289235 16
289261 6
289341 6
289346 60
289347 60
289349 6
289356 60
289357 60
289358 6
289359 16
289375 26
289380 26
289439 26
289483 26
289487 26
289519 26
289520 26
289618 26
289621 26
289654 18
289742 6
289759 186
289762 304
289763 304
289869 186
289880 ..... 126, 128, 130
289924 26
289925 26
291484 ..... 290, 292
291485 ..... 290, 292
292692 ..... 342, 402
293053 ..... 442, 504, 508, 654, 656
293054 ..... 442, 656
294098 566
294394 574
294832 456
294890 454
295139 456
295140 454
295211 518
295212 518
295213 518
295261 ..... 504, 508
295407 514
295542 652
295766 514
295770 514
295853 ..... 514, 524, 528
295927 ..... 522, 542, 548

295929 ..... 224, 238
295992 ..... 504, 508
301034 654
301047 654
301049 654
301065 654
301126 ..... 504, 508
301127 ..... 504, 508
301318 520
301427 ..... 478, 482, 494
301441 482
301513 496
301629 ..... 564, 570, 580, 586, 592, 608, 614, 616, 630, 644
301633 496
301805 486
301806 486
301807 486
301971 460
301994 478
302030 574
302204 ..... 304, 346, 432, 562
303021 344
303033 344
303169 348
303251 ..... 346, 402
303341 346
303379 342
303380 344
303486 342
303491 342
303492 ..... 342, 402
303520 402
303525 ..... 342, 402
303691 342
303693 342
303766 342
303832 344
303839 ..... 342, 402
303898 344
303961 342
304040 ..... 504, 508
304111 560
304216 558
304371 554
304494 488
304514 478
304520 478
304521 482
304658 442
304668 442
304669 592
304931 482
308056 478
308249 566
308251 566
308252 566
308253 ..... 566, 574
308254 ..... 566, 574
308255 ..... 566, 574
308536 476
308538 478
308648 ..... 478, 482
308658 520
308725 444
308726 ..... 444, 452, 464
308732 ..... 444, 452
308740 ..... 444, 452
308755 ..... 444, 452
308774 510
308848 464
308850 478
308852 464
308853 464
308855 464
308856 464
308859 478
308863 ..... 444, 452, 464
308878 502
308879 502
308941 558
308942 558
308943 662
311038 176
311054 404
311055 404
311068 404
311069 404
311190 160
311193 160
311195 174
311207 160
311210 ..... 160, 374
311233 ..... 194, 196, 198, 200, 204, 216, 220, 234
311237 ..... 136, 138, 142, 144
311238 ..... 136, 138, 142, 144
311284 134
311285 ..... 126, 128
311303 160
311306 ..... 160, 374
311318 294
311321 ..... 404, 406
311322 ..... 404, 406
311325 ..... 162, 374, 378
311347 ..... 374, 378
311354 ..... 218, 224, 238
311359 ..... 140, 146
311360 ..... 218, 226, 230, 244
311365 ..... 160, 374, 378
311368 ..... 160, 378

311405 160
311408 160
311451 ..... 208, 218, 226, 230, 244
311461 ..... 218, 224, 238
311462 ..... 218, 226, 230, 242
311464 340
311466 456
311493 304
311523 ..... 160, 374, 378, 392, 394
311524 182
311611 ..... 126, 130, 132
311612 ..... 126, 130
311613 ..... 126, 130, 132
311615 ..... 164, 374, 378
311617 ..... 164, 374, 378
311620 ..... 148, 152
311627 ..... 126, 130
311632 146
311643 ..... 174, 176
311644 ..... 174, 176
311645 ..... 174, 176
311646 ..... 174, 176
311647 174
311648 174
311658 174
311672 ..... 164, 374, 378
311675 160
311676 160
311694 180
311695 184
311724 158
311729 ..... 180, 374, 378
311745 160
311746 160
311752 ..... 180, 374
311753 ..... 184, 374
311789 388
311790 390
311795 182
311822 ..... 182, 374
311863 378
311864 378
311868 378
311870 378
311882 382
311906 ..... 178, 374, 378
311949 134
311959 406
311964 ..... 178, 180, 374, 378
311965 ..... 184, 374, 378
311972 406
312134 ..... 254, 258, 262, 264
312654 ..... 194, 196, 198, 200, 204, 208, 216, 218, 220, 226, 230, 234, 244
312655 ..... 218, 224, 226, 230, 238, 242
312673 370
312675 186
312680 186
312704 ..... 2, 4
312706 658
312777 186
313007 328
313011 324
313012 324
313020 324
313035 ..... 180, 184
313064 288
313114 ..... 324, 328
313192 288
313303 ..... 26, 352
313304 ..... 26, 352
313366 ..... 324, 328
313368 ..... 324, 328
313374 370
313406 342
313421 306
313422 306
313425 342
313432 ..... 26, 352
313441 326
313461 356
313496 ..... 254, 258, 260, 264
313497 ..... 254, 258, 262, 264
313499 ..... 254, 258, 260, 264
313500 ..... 254, 258, 260, 264
313501 ..... 434, 438
313502 ..... 434, 438
313510 304
313511 ..... 254, 258, 260, 264
313523 254
313524 254
313525 254
313526 254
313529 260
313530 260
313541 306
313542 306
313543 306
313544 306
313545 306
313546 306
313547 306
313548 306
313549 306
313550 306
313551 306
313552 306
313554 306
313555 306
313556 260

313557 260
313566 340
313574 306
313575 306
313580 306
313581 306
313643 288
313705 340
313713 26
313725 304
313728 562
313729 304
313730 304
313733 304
313734 ..... 10, 12, 520
313744 434
313745 434
313748 328
313749 434
313750 434
313753 328
313767 16
313776 328
313777 328
313780 434
313783 ..... 26, 352
313787 304
313788 434
313789 434
313790 434
313791 328
313792 328
313793 324
313794 ..... 130, 324
313797 434
313798 438
313799 438
313800 438
313801 434
313802 438
313803 438
313804 438
313805 438
313806 438
313807 438
313808 434
313809 438
313810 438
313811 438
313812 438
313813 438
313814 438
313815 438
313816 438
313817 438
313818 438
313819 438
313820 438
313821 438
313822 438
313824 438
313825 438
313826 438
313827 438
313828 438
313829 438
313830 438
313831 438
313832 440
313833 438
313834 438
313835 438
313836 438
313837 438
313838 438
313839 440
313841 438
313843 440
313844 440
313845 440
313846 440
313847 440
313848 440
313849 440
313859 ..... 324, 328
313869 438
313881 ..... 304, 440
313882 438
313883 438
313884 438
313914 324
313920 304
313921 324
313922 324
313940 288
313964 ..... 136, 138, 140, 142, 144, 146
313965 186
314062 476
314076 ..... 556, 558
314082 460
314136 ..... 478, 482
314169 ..... 38, 478, 482
314173 468
314174 468
314276 496
314292 520
314389 ..... 526, 532
314391 540
314392 540
314394 540

314395 524
314396 524
314397 520
314399 520
314401 540
314402 526
314416 520
314417 520
314537 526
314581 ..... 326, 368
314585 ..... 582, 632, 646
314586 ..... 582, 632, 646
314587 ..... 582, 632, 646
314588 ..... 582, 632, 646
314591 542
314592 542
314593 542
314594 542
314595 542
314605 ..... 542, 548
314606 ..... 542, 548
314645 520
314657 474
314680 ..... 492, 640
314697 ..... 542, 548
314706 ..... 610, 620
314707 ..... 610, 620, 622
314708 ..... 610, 620, 622
314817 ..... 594, 598
314819 ..... 594, 598
314820 ..... 594, 598
316044 344
316095 ..... 342, 402
316096 ..... 342, 402
316110 342
316118 342
316119 342
316284 ..... 342, 402
316293 344
316330 ..... 344, 400
316358 342
316639 ..... 304, 346
316649 ..... 304, 346
316662 ..... 304, 402
316793 ..... 344, 400
316794 342
316847 ..... 344, 400
316848 ..... 344, 400
316851 ..... 344, 400
316859 ..... 346, 402
316860 ..... 346, 402
319051 40
319095 ..... 30, 392, 394
319098 30
319099 30
319100 30
319101 30
319102 30
319103 30
319104 30
319105 ..... 30, 392, 394
319180 ..... 52, 54, 56
319191 42
319222 ..... 32, 34, 36, 38
319223 ..... 32, 34, 36, 38
319225 ..... 44, 46, 48, 50
319228 46
319229 ..... 52, 54, 56, 58
319230 ..... 54, 56, 58
319231 ..... 52, 54, 56
319265 42
319287 48
319345 30
319346 30
319347 30
319366 ..... 32, 34, 36, 38
319376 46
319377 ..... 46, 48
319378 ..... 46, 48
319394 ..... 32, 34
319403 ..... 36, 38
319404 ..... 36, 38
319474 ..... 64, 68
319508 62
319509 ..... 62, 68
319540 30
319542 ..... 64, 68
319548 ..... 78, 80
319549 ..... 78, 80
319550 ..... 78, 80
319563 ..... 78, 80
319564 ..... 78, 80
319583 42
319587 44
319588 44
319662 30
319707 40
319708 40
319738 50
319745 38
319751 30
319846 58
319878 326
319881 324
319882 324
320011 ..... 346, 402
320026 ..... 8, 122
320039 350
320060 ..... 346, 402
320089 122

320108 64
320109 ..... 64, 68
320110 ..... 64, 68
320122 326
320148 ..... 30, 74, 76, 78, 80
320154 346
320160 ..... 64, 70
320161 ..... 66, 70
320167 ..... 40, 64, 70
320168 ..... 126, 130, 132
320169 ..... 2, 4
320171 ..... 2, 4
320175 ..... 164, 376, 380
320176 ..... 350, 504, 508
320179 164
320180 ..... 150, 154, 156, 158, 164, 166, 168, 170, 178, 180, 376, 378, 466
320181 ..... 32, 34, 36, 38
320182 42
320187 ..... 162, 376, 378
320190 ..... 52, 54, 56, 58, 72, 74, 76, 78, 80, 358, 412
320192 ..... 162, 376, 378, 382
320195 ..... 594, 598
320196 ..... 126, 128, 130
320199 ..... 66, 70
320205 ..... 344, 348, 410
320206 ..... 40, 42, 66, 70
320207 ..... 136, 138, 140, 142, 144, 146
320208 ..... 350, 580, 630
320213 348
320214 122
320215 122
320218 ..... 16, 332, 334
320219 350
320220 ..... 358, 434
320236 ..... 64, 70
320246 ..... 74, 76, 78, 80
320248 288
320251 ..... 66, 70
320259 494
320274 210
320284 ..... 604, 610, 618, 626
320290 ..... 32, 34, 36, 38, 44, 46, 48, 50
320304 6
320311 122
320327 26
320331 330
320336 ..... 74, 76, 78, 80, 274, 276, 278, 280
320358 ..... 510, 516
320360 ..... 388, 390, 392, 394, 444, 534
320388 442
320389 498
320390 ..... 292, 296, 336, 498
320392 618
320397 442
320404 358
320409 ..... 296, 334
320410 ..... 292, 296, 336
320441 ..... 410, 418
320448 ..... 52, 54, 56, 58, 74, 76, 78, 80, 274, 276, 278, 280
320464 626
320486 64
320489 70
320492 626
320493 626
320500 496
320512 626
320536 ..... 34, 36, 38, 432
320554 ..... 220, 226, 232, 236, 244
320559 452
322022 520
322046 496
322114 468
322142 448
322148 ..... 446, 448, 450
322149 450
322157 450
322158 450
322160 448
322161 448
322192 460
322193 460
322195 460
322197 460
322216 ..... 610, 618, 622
322219 496
322256 540
322377 482
322383 ..... 552, 554, 600
322387 612
322397 476
322409 460
322456 468
322486 468
322555 512
322557 496
322561 ..... 444, 452
322668 502
322676 ..... 504, 508
322695 588
322750 654
322770 476
322870 442
322872 442
322914 ..... 486, 656
322915 468
322916 468
322917 468
322918 468

322924 468
322925 468
322926 468
322930 468
322931 468
322961 494
322962 494
322970 ..... 132, 486
322981 496
322996 470
322997 470
322998 470
323003 ..... 268, 270, 272
323023 ..... 218, 224, 238
323032 ..... 74, 76, 78, 80
323049 344
323051 ..... 74, 76, 78, 80
323082 72
323083 72
323086 72
323087 72
323130 ..... 282, 284, 286
323145 ..... 282, 284, 286
323157 76
323158 76
323164 ..... 274, 276, 278, 280
323165 278
323166 ..... 276, 278, 280
323169 ..... 276, 278, 280
323172 ..... 276, 278, 280
323207 284
323208 284
323209 284
323210 284
323211 284
323212 284
323343 218
323344 218
323345 218
323346 250
323347 250
323349 250
323350 254
323351 254
323352 254
323353 254
323355 246
323356 218
323361 258
323362 258
323381 282
323383 588
323384 588
323385 588
323386 588
323387 588
323428 ..... 250, 252
323429 ..... 250, 252
323499 334
323516 304
323519 250
323659 224
323660 224
323661 224
323662 252
323663 224
323664 240
323665 238
323666 238
323667 252
323668 240
323669 240
323670 238
323671 240
323672 240
323673 238
323674 240
323687 132
323688 132
323694 334
323698 ..... 552, 554, 628
323718 284
323772 ..... 274, 276, 278, 280
323773 ..... 74, 76, 78, 80, 274
323795 ..... 274, 276, 278, 280
323808 252
323826 266
323827 266
323828 266
323829 266
323934 286
323936 ..... 596, 600
323937 294
323939 286
323940 558
323978 628
323983 622
323984 622
323986 566
323994 324
323995 324
323996 534
323998 452
326217 454
327086 ..... 304, 346, 402
327089 ..... 344, 400
327179 342
327255 342
327294 348
327304 348

327428 342
327429 342
327532 350
327534 344
327535 344
327561 342
327563 350
327588 350
327600 ..... 346, 400
327649 348
327655 400
327656 400
327659 350
327664 350
327672 344
327680 350
327682 400
327692 350
327694 348
327695 350
327696 350
327704 342
327710 346
327716 344
327717 ..... 304, 348, 400
327738 346
327739 348
327740 348
327745 344
327749 344
327751 344
327755 342
327756 342
327771 348
327786 344
327798 ..... 344, 400
327802 ..... 304, 348, 400
327807 ..... 348, 400
327808 ..... 348, 400
327814 346
327817 350
327823 350
327824 350
328002 ..... 610, 618, 622
328065 ..... 600, 660
328085 ..... 492, 640
328089 ..... 552, 554
328120 464
328128 514
328133 496
328142 562
328143 514
328152 ..... 460, 464
328154 ..... 460, 464
328156 ..... 462, 466
328157 460
328158 462
328159 462
328160 460
328161 460
328162 460
328164 460
328165 460
328174 460
328175 460
328176 ..... 460, 464
328178 448
328181 460
328183 466
328184 460
328185 460
328186 460
328187 460
328188 460
328196 466
328197 464
328198 464
328199 464
328200 464
328201 464
328202 464
328203 464
328261 448
328262 ..... 446, 450
328269 448
328283 448
328288 448
328290 448
328291 448
328292 448
328293 448
328306 448
328307 448
328308 448
328309 448
328310 448
328311 448
328312 448
328313 448
328318 ..... 552, 554
328329 ..... 298, 300, 302
328348 ..... 504, 508, 654
328349 ..... 504, 508, 654
328370 ..... 444, 452
328411 ..... 552, 600
328420 476
328491 496
328534 294
328538 496
328539 294

328547 294
328548 ..... 594, 598, 604
328549 ..... 556, 600
328550 556
328553 558
328554 558
328555 558
328556 294
328560 ..... 552, 554
328562 562
328565 562
328582 592
328713 ..... 444, 452
328756 492
328758 492
328760 492
328763 492
328872 566
328874 ..... 582, 632, 646
328887 574
328908 574
328913 ..... 600, 660
328924 468
328968 574
330622 ..... 64, 68
335008 574
335133 ..... 542, 548
335144 496
335160 642
335301 ..... 18, 356
335342 ..... 610, 618
335431 ..... 596, 600
335446 456
335447 456
335563 368
335564 368
335663 588
335695 558
335849 592
335851 62
335887 ..... 540, 546
335891 518
335912 518
335924 ..... 164, 374, 378
335971 628
335981 514
337043 592
337117 474
337124 478
337143 ..... 488, 490, 578, 606, 636
337152 ..... 392, 394, 476, 490, 578, 606, 636
337206 476
337276 482
337284 ..... 40, 42, 478, 482
337352 ..... 600, 660
337362 486
337366 486
337407 ..... 504, 508
337427 450
337429 450
337430 450
337431 450
337432 450
337433 450
337440 448
337441 448
337456 ..... 504, 508
337457 ..... 504, 508
337463 ..... 504, 508
337464 ..... 504, 508
337551 620
337611 560
337619 560
337627 560
337634 496
337635 496
337636 496
337651 ..... 612, 620
337652 ..... 612, 620
337667 464
337707 470
337709 470
337711 ..... 470, 472
337712 470
337713 ..... 444, 452, 464
337715 470
337716 470
337717 470
337718 470
337720 472
337721 472
337722 472
337723 470
337725 470
337727 470
337729 470
337730 470
337731 472
337732 472
337770 450
337773 450
337774 ..... 444, 446, 448
337777 ..... 492, 640
337778 ..... 492, 640
337779 ..... 492, 640
337780 ..... 492, 640
337804 482
337821 496
337823 450
337862 564

337863 564
337980 574
340049 314
340050 320
340051 316
340052 318
340076 440
340077 440
340078 440
340091 372
340095 384
340096 384
340113 6
340122 6
340125 ..... 504, 508
340131 562
340132 562
340146 ..... 164, 374, 378
340164 304
340183 294
340191 ..... 132, 134
340193 6
340210 356
340212 356
340215 6
340216 152
340218 294
340224 ..... 136, 138, 140, 142, 144
340289 334
340304 306
340305 306
340492 392
340493 394
340571 140
340648 132
340672 64
340681 ..... 44, 46, 48, 50
340683 274
340835 62
340841 ..... 44, 46, 48, 50
340897 ..... 62, 68
340954 334
340955 ..... 292, 296, 334
340956 ..... 296, 334
344336 654
344409 654
344412 654
344413 654
347001 ..... 444, 452, 464
347141 ..... 580, 630
347179 608
347180 608
347185 ..... 444, 452
347301 608
347342 562
347349 460
347405 460
347416 460
347417 460
347431 564
347434 570
347480 564
347483 514
347487 514
347498 644
347500 508
347532 644
347553 514
347611 570
347630 646
347665 510
347691 518
347692 518
347722 474
347731 586
347775 508
347778 508
347796 588
347923 496
347949 520
347954 ..... 594, 598
347963 504
347964 586
347965 586
347975 462
347976 462
347977 462
347978 462
347979 ..... 540, 542, 546, 548
352001 ..... 292, 296, 334
352163 ..... 292, 296, 334
352697 500
357012 470
357046 628
357047 628
357050 628
357051 628
357052 628
357053 628
357054 628
357064 470
357093 622
357094 622
357119 ..... 600, 660
357171 614
357173 ..... 442, 656
357174 ..... 442, 656
357195 ..... 564, 570, 580, 586, 592, 608, 614, 616, 630, 644
357230 514

357233 490
357234 490
357299 496
357455 496
357492 496
357512 ..... 442, 656
357567 ..... 580, 630
357606 ..... 580, 630
357695 570
357776 592
357797 14
357937 448
357945 558
357989 628
360004 356
360035 132
360044 372
360045 372
360069 356
360072 356
360076 356
360077 356
360079 356
360103 356
360105 358
360106 356
360108 356
360110 356
360114 356
360119 356
360120 356
360122 356
360127 18
360134 356
360144 148
360150 ..... 46, 50
360151 ..... 46, 48
360168 356
360175 ..... 10, 12
360176 10
360186 148
360199 160
360212 296
360299 ..... 74, 76, 78, 80
360358 ..... 324, 332, 334
360361 6
360374 26
360375 26
360376 172
360378 26
360379 26
360405 312
360406 312
360407 312
360408 312
360409 312
360410 312
360411 312
360448 ..... 22, 352
360449 352
360509 ..... 34, 36, 38
360520 60
360521 60
360526 ..... 332, 334
360540 ..... 160, 374, 378, 392, 394
360541 304
360551 ..... 332, 334
360552 ..... 22, 352
360553 352
360554 ..... 20, 352
360555 ..... 20, 352
360559 ..... 332, 334
360655 562
360679 404
360714 328
360716 562
360720 358
360723 356
360734 358
360748 6
360749 6
360750 6
360751 6
360754 60
360755 60
360774 328
360784 26
360785 26
360812 328
360818 328
360823 296
360824 296
360828 296
360835 ..... 2, 4, 66, 70
360840 296
360847 358
360848 356
360850 358
360859 592
360862 358
360863 358
360869 354
360870 122
360871 354
360924 518
360925 518
360927 518
360939 356
360940 356
360971 496

360992 324
363672 240
366073 198
366074 198
366075 198
366076 198
366077 198
366078 198
366079 208
366080 208
366081 208
366082 208
366083 234
366084 234
366085 234
366086 234
366087 234
366088 234
366089 242
366090 242
366091 242
366092 242
366093 242
366094 242
366095 248
366096 248
366097 248
366098 248
366099 272
366100 272
366101 272
366102 272
366103 272
366104 272
366105 272
366106 272
366107 264
366108 264
366109 264
366110 264
366111 264
366112 264
366113 264
366114 264
366115 208
366116 208
366117 208
366118 208
366119 214
366120 214
366140 430
366141 430
366167 80
366168 80
368017 498
368221 442
368225 6
368226 6
368239 296
368338 296
368380 510
368385 662
368386 312
368388 24
368394 312
368395 24
368398 308
368399 308
368400 308
368401 308
368402 308
368403 308
368404 308
368405 308
368406 308
368407 308
368408 308
368409 308
368410 308
368411 308
368422 308
368423 308
368424 312
368425 312
368439 310
368440 310
368441 312
368457 514
368460 514
368543 592
368569 ..... 544, 550
368626 616
368631 562
368637 482
368647 292
368649 482
368656 616
368657 482
368658 482
368660 616
368669 452
368673 532
368674 528
368675 528
368677 528
368678 528
368679 528
368684 528
368685 528
368686 528

368689 546
368690 546
368691 546
368692 546
368699 364
368700 364
368701 364
368702 364
368703 364
368704 364
368705 364
368706 364
368707 364
368708 364
368709 364
368710 364
368711 364
368712 364
368713 364
368714 364
368715 364
368716 364
368717 364
368718 364
368719 364
368720 364
368761 ..... 452, 460
368766 ..... 162, 374, 378
368777 454
368782 250
368843 458
368845 458
368863 460
368922 628
368948 366
368949 366
378046 366
378048 366
378050 366
378052 366
378075 460
378085 366
378087 366
378124 498
378133 442
378136 408
378191 434
378236 458
378248 454
378250 548
378251 548
378252 548
378253 548
378254 548
378285 ..... 422, 426
378286 ..... 422, 426
378372 532
378373 546
378435 554
378525 ..... 540, 546
378538 482
378551 476
378578 ..... 298, 300, 302
378620 2
378621 2
378654 160
378733 574
378774 334
378873 ..... 534, 538
500303 ..... 292, 296, 334, 496
500321 ..... 298, 300, 302
500448 642
500557 662
500593 662
500605 ..... 600, 660
500619 ..... 584, 634

B

B6042 664
B6043 664
B6044 664
B6045 664
B6046 664
B6213 664
B6288 342
B6400 650
B6413 422
B6414 422
B6415 422
B6416 422
B6417 426
B6418 426
B6419 426
B6420 430
B6450 652
B6460 400
B6801 370
B7022 338
B7023 338
B7028 398
B7029 434
B7030 340
B7038 468
B7039 468
B7040 368
B7041 464
B7042 464
B7044 608
B7048 556

B7051..... 556
B7052..... 556
B7057..... 610
B7058..... 594
B7064.....298, 300
B7065.....298, 300
B7082..... 254
B7083..... 258
B7108..... 468
B7109..... 574
B7111..... 464
B7113..... 260
B7114..... 260
B7116..... 260
B7117..... 246
B7118..... 246
B7119..... 246
B7120..... 246
B7121..... 246
B7122..... 386
B7123..... 386
B7127..... 266
B7128..... 266
B7130..... 266
B7131..... 270
B7155..... 388
B7156..... 390
B7165..... 566
B7180..... 470
B7181..... 470
B7182..... 470
B7193..... 260
B7195..... 266
B7196.....552, 554
B7217..... 654
B7230..... 372
B7231..... 660
B7238..... 384
B7241..... 642
B7302.....410, 414
B7303..... 420
B7304..... 416
B7305..... 416
B7306..... 416
B7307..... 418
B7308..... 464
B7311..... 644
B7312..... 474
B7313..... 564
B7314..... 492
B7315..... 586
B7316..... 588
B7317..... 474
B7326..... 470
B7338..... 246
B7339..... 266
B7340..... 254
B7341..... 614
B7342..... 656
B7343..... 490
B7344..... 490
B7345..... 490
B7346..... 356
B7347.....492, 640
B7348.....492, 640
B7350..... 334
B7357..... 374
B7358..... 374
B7359..... 374
B7362..... 378
B7365..... 392
B7366..... 394
B7391..... 348
B7392..... 348
B7395..... 418
B7396..... 418
B7398.....348, 400
B7401..... 352
B7402..... 352
B7403..... 352
B7406..... 598
B7407..... 646
B7408..... 302
B7431..... 556
B7458..... 272
B7464..... 434
B7466..... 434
B7476.....580, 630
B7480.....324, 328
B7489.....552, 554
B7490.....552, 554
B7491..... 570
B7492..... 556
B7506..... 556
B7507.....582, 632
B7533..... 616
B7540..... 600
B7542..... 658
B7543.....622, 628
B7546.....622, 628
B7548..... 348
B7563..... 592
B7575..... 408
B7602..... 556

C

C2086..... 410
C2087..... 410
C2088..... 410

C2089..... 410
C2169..... 410
C2170..... 410
C2171..... 400
C2172..... 348
C2173..... 348
C2260..... 348

MacDon

CUSTOMERS
MacDon.com

DEALERS
Portal.MacDon.com

Trademarks of products are the marks of their respective manufacturers and/or distributors.

Printed in Canada