

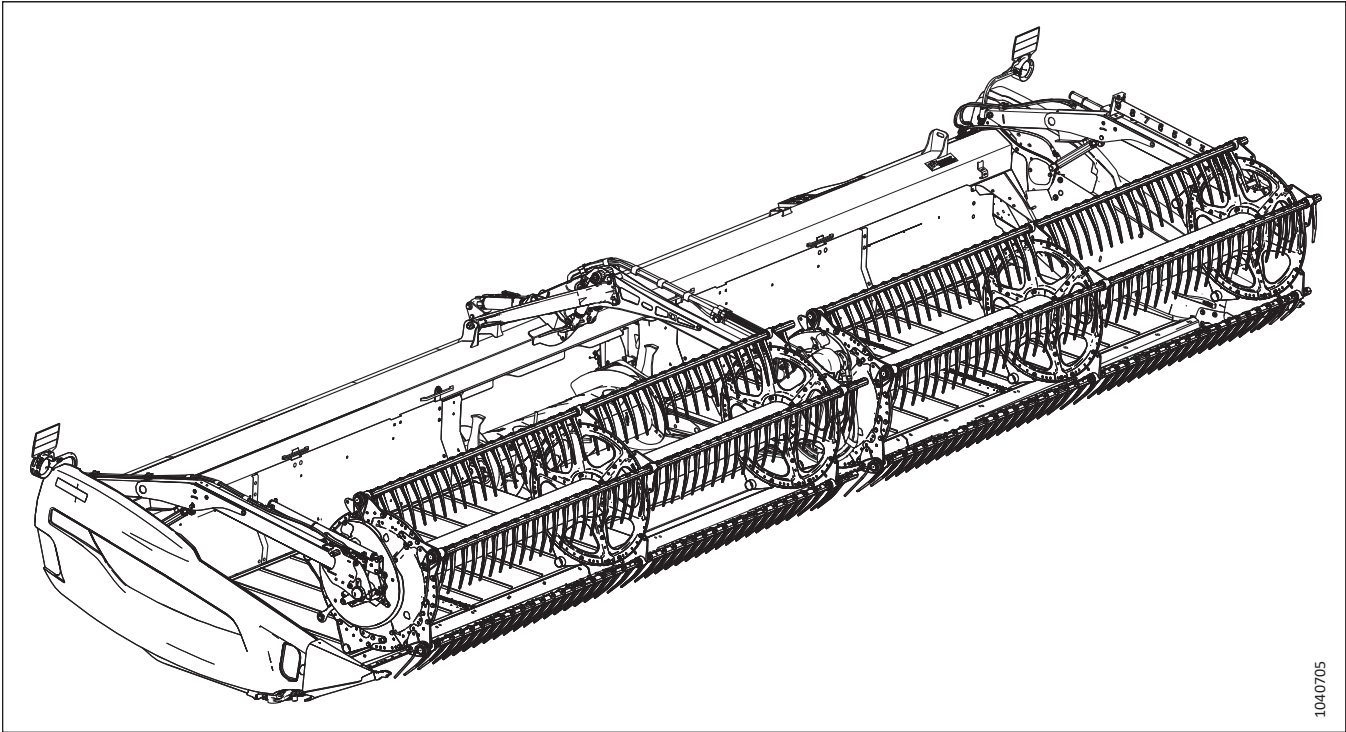
D2 Series Draper Header for Windrowers

Parts Catalog

262675 Revision A

Original Instruction

D2 Series Draper Header for Windrowers



Published: September 2024

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Introduction

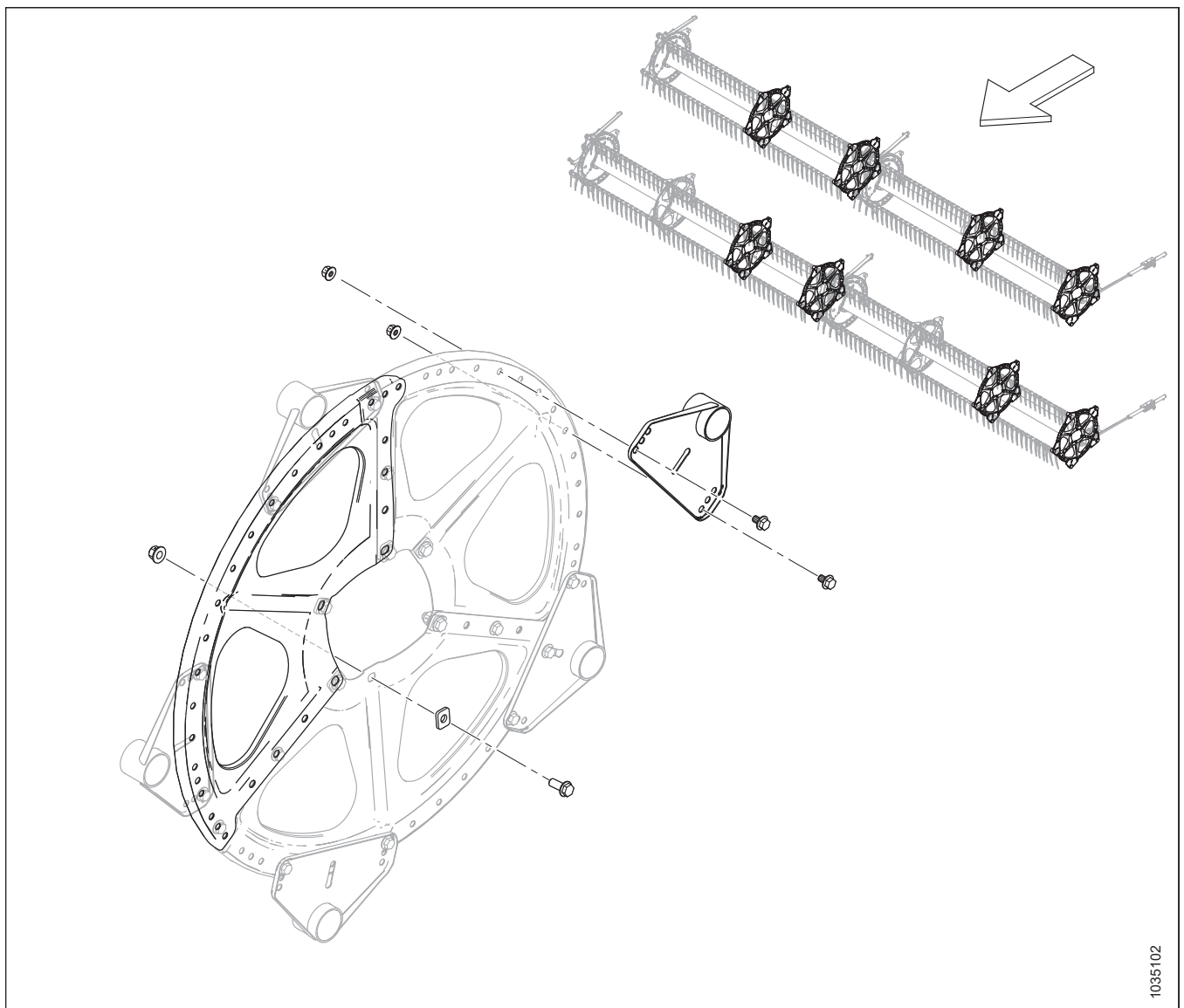
This Parts Catalog lists all the replacement parts that can be ordered for a MacDon D2 Series Draper Header for M Series, M1 Series, and M2 Series Windrowers.

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 – vertical 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 – D2 Series Draper Header for Windrowers (262675 Rev. A)

This list covers changes made since the last revision (262310 Rev. A).

Section	Summary of Change	Internal Use Only
—	- Removed Dual Use kit from catalog. - Removed topics for single-knife headers from catalog.	Technical Publications
<i>9 Draper – Backsheet Panels (D215 and D220), page 17</i>	Replaced deck shift clamp MD #145558 with clamp MD #387140 and the correct mounting hardware. Updated illustration from 1040911 to 1045234.	ECN 65868
<i>10 Draper – Backsheet Panels (D225), page 19</i>	Replaced deck shift clamp MD #145558 with clamp MD #387140 and the correct mounting hardware. Updated illustration from 1040328 to 1045239.	ECN 65868
<i>11 Draper – Backsheet Panels (D230 and D235), page 21</i>	Replaced deck shift clamp MD #145558 with clamp MD #387140 and the correct mounting hardware. Updated illustration from 1040335 to 1045240.	ECN 65868
<i>13 Draper – Tensioner, page 25</i>	- Replaced bearing MD #132607 with bearing MD #337284 in draper roller pin assembly MD #165735. - Updated parts list and footnotes. Illustration unchanged.	ECN 65197
<i>25 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (D215, D220, D225, D230, D235, and D241), page 49</i>	- Added GSS knife guard kits MD #319907 and MD #319908, GSS knife guards MD #286910–286912, and hold-down MD #286904. - Removed hold-down MD #286333. Illustration unchanged.	ECN 65617 ECN 65553
<i>28 Knives – Double-Knife Headers (D241), page 63</i>	- Added footnotes for ClearCut™ sections specifying how many sections are sold in each pack. - Added footnote specifying how many reinforcement bars are sold in MD #286481.	Technical Publications
<i>31 Reel Support Arm and Lift Cylinders – Center Arm, Double Reel, page 71</i>	Replaced part number for brace MD #273798 with “NSS” and revised footnote for brace assembly MD #311627.	ECN 63825
<i>32 Reel Support Arm and Lift Cylinders – Outer Arms, Double Reel, page 73</i>	- Replaced fitting MD #135778 with tee MD #320554. - Added fitting MD #134437 and dust cap MD #136900. Updated illustration from 1040278 to 1045229.	ECN 65213
<i>33 Reel Support Arm and Lift Cylinders – Outer Arms, Single Reel, page 75</i>	- Replaced fitting MD #135778 with tee MD #320554. - Added fitting MD #134437 and dust cap MD #136900. Updated illustration from 1040277 to 1045228.	ECN 65213

Section	Summary of Change	Internal Use Only
<i>34 Reel Arm Components – Right Arm, Single Reel , page 77</i>	Changed cotter pin MD #18607 to MD #18648. Illustration unchanged.	ECN 65633
<i>35 Reel Arm Components – Right Arm, Double Reel, page 79</i>	Changed cotter pin MD #18607 to MD #18648. Illustration unchanged.	ECN 65633
<i>36 Reel Arm Components – Center Arm, Double Reel, page 81</i>	Changed cotter pin MD #18607 to MD #18648. Illustration unchanged.	ECN 65633
<i>37 Reel Arm Components – Left Arm, page 83</i>	Changed cotter pin MD #18607 to MD #18648. Illustration unchanged.	ECN 65633
<i>38 Reel Drive – Single Reel, page 85</i>	Added shims MD #245199 and MD #137753. Updated illustration from 1040624 to 1045266.	ECN 65746
<i>39 Reel Drive – Double Reel, page 89</i>	- Corrected bolt (Y) to callout (G). - Motor mount plate MD #340216 superseded by MD #360144. - Added shims MD #245199 and MD #137753. Updated illustration from 1040619 to 1045222.	Technical Publications ECN 62147 ECN 65746
<i>41 Reel – Tine Tube, page 95</i>	Added note and corrected quantities of wide tine tubes for D225–D235 headers.	Technical Publications
<i>53 Skid Shoes – End and Center, page 121</i>	- Removed 1x rod MD #312675 and added 1x rod MD #378989. - Revised footnotes for clarity. Illustration unchanged.	ECN 65694
<i>54 Hydraulics – Manifold, Double Knife, Timed, page 123</i>	Added footnotes to fittings specifying port designations.	Product Support
<i>55 Hydraulics – Manifold, Double Knife, Untimed, page 125</i>	Added footnotes to fittings specifying port designations.	Product Support
<i>63 Hydraulics – Draper Drive, Hydraulic Deck Shift (D230 and D235), page 143</i>	Replaced pin MD #360163 with pin MD #378533 and replaced covers MD #251420 and MD #283620 with covers MD #387917 and MD #387916. Illustration unchanged.	ECN 65312
<i>74 Hydraulics – Reel Drive, Double Reel, page 169</i>	Swapped clamp MD #232397 and support bracket MD #272385 in table to match current illustration.	Technical Publications
<i>76 Hydraulic Line Covers (D225, D230, and D235), page 175</i>	Added bracket MD #378779 to table. Illustration unchanged.	UECN 31616
<i>79 Hydraulic Line Covers – Center, M1/M2 Series (D215), page 181</i>	Cover MD #323545 superseded by MD #326314. Illustration unchanged.	ECN 65847

Section	Summary of Change	Internal Use Only
<i>81 Hydraulic Line Covers – Center, M1/M2 Series (D220), page 185</i>	Cover MD #323545 superseded by MD #326314. Illustration unchanged.	ECN 65847
<i>84 Electrical – Harness (D215, D220, and D225), page 191</i>	Removed references to header ID plugs, added cap MD #323866. Updated illustration from 1041390 to 1045263.	Product Support ECN 65439
<i>85 Electrical – Harness (D230, D235, and D241), page 193</i>	Removed references to header ID plugs, added cap MD #323866. Updated illustration from 1041102 to 1045264.	Product Support ECN 65439
<i>89 Electrical – Reel Fore-Aft Sensor (2024 and Later), page 201</i>	- Superseded fore-aft sensor cover MD #368239 with cover MD #387200. - Spacer MD #352001 superseded by spacer MD #387143. Updated illustration from 1043110 to 1045265.	ECN 65634 ECN 65840
<i>92 Decals and Reflectors – D2 Series, page 207</i>	Corrected callouts and table. Updated illustration from 1043241 to 1045224.	Technical Publications
<i>99 Windrower Completion – Retaining Pins, page 221</i>	- Changed part number of item 6 from NSS to MD #233991. - Removed quantities of hardware. Illustration unchanged.	Product Support
<i>103 Windrower Completion – M Series Hydraulics and Electrical (D215 and D220), page 229</i>	- Added harness extension MD #378526. - Added cap MD #500467. Updated illustration from 1041333 to 1045225.	ECN 65303 ECN 65631
<i>104 Windrower Completion – M Series Hydraulics (D225, D230, D235, and D241), page 233</i>	Added cap MD #500467. Updated illustration from 1041334 to 1045227.	ECN 65631
<i>106 Windrower Completion – M1/M2 Series Hydraulics and Electrical, Hoses and Latch (D215 and D220), page 239</i>	Hose sleeve MD #323880 superseded by MD #378506. Illustration unchanged.	ECN 65308
<i>108 (Option) Crop Lifters and Storage Rack, page 251</i>	Corrected quantity of Lifter Storage Rack kits required for D230, D235, and D241 headers in footnote.	Technical Publications
<i>110 (Option) Double Draper Drive, page 255</i>	Added new topic with illustration 1045253.	ECN 62797 ECN 64980
<i>111 (Option) Draper Extension Kit, page 257</i>	Added new topic with illustration 1045249.	ECN 62797
<i>112 (Option) Draper Header Supports for Windrowers, page 259</i>	Added new left and right header supports MD #367215 and MD #362721. Updated illustration from 1040932 to 1045243.	ECN 65336

Section	Summary of Change	Internal Use Only
<i>113 (Option) EasyMove™ Slow Speed Transport – Base Kit and Stabilizer Wheels, page 261</i>	Superseded pivot assembly MD #303283 with pivot assembly MD #327814. Illustration unchanged.	ECN 64026
<i>114 (Option) EasyMove™ Slow Speed Transport – Wheels, Tires, and Tow Poles, page 267</i>	- Added short tow pole collector C2172. - Added collector bundle C2260 for D235 headers. - Added note that kit is not compatible with D225 headers.	Engineering ECN 64895 Technical Publications
<i>121 (Option) Module Programming Kit, page 285</i>	Added note.	Product Support
<i>122 (Option) Reel Tine Tube Conversion Kits – Single Reel, 6 Bat to 9 Bat, page 287</i>	Superseded plastic finger MD #311524 with MD #360450. Illustration unchanged.	ECN 62722 ECN 62799
<i>124 (Option) Reel Tine Tube Conversion Kits – Double Reel, 6 Bat to 9 Bat, page 295</i>	Superseded cam end finger MD #311327 with cam end finger MD #368766. Illustration unchanged.	ECN 64916
<i>125 (Option) Reel – Drive, Two Speed Kit, page 299</i>	- 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 footnote on 2-Speed kit MD #311882.	Technical Publications
<i>128 (Option) Service Kit – Pointed Guards, Coarse Knives, page 305</i>	Added footnote to state that kits are not available for sale in North America.	Parts
<i>133 (Option) Steel Finger Kit, page 317</i>	Corrected quantity of tail end inboard fingers (MD #311322) required for D220 single-reel 9-bat headers in footnote.	Technical Publications
<i>135 (Option) Stubble Lights, page 321</i>	Stubble light kit B7027 superseded by B7575.	ECN 65052
<i>139 (Option) VertiBlade™ Vertical Knife Kit, page 333</i>	Superseded motor MD #304611 with motor MD #378191; updated footnotes throughout.	ECN 65112

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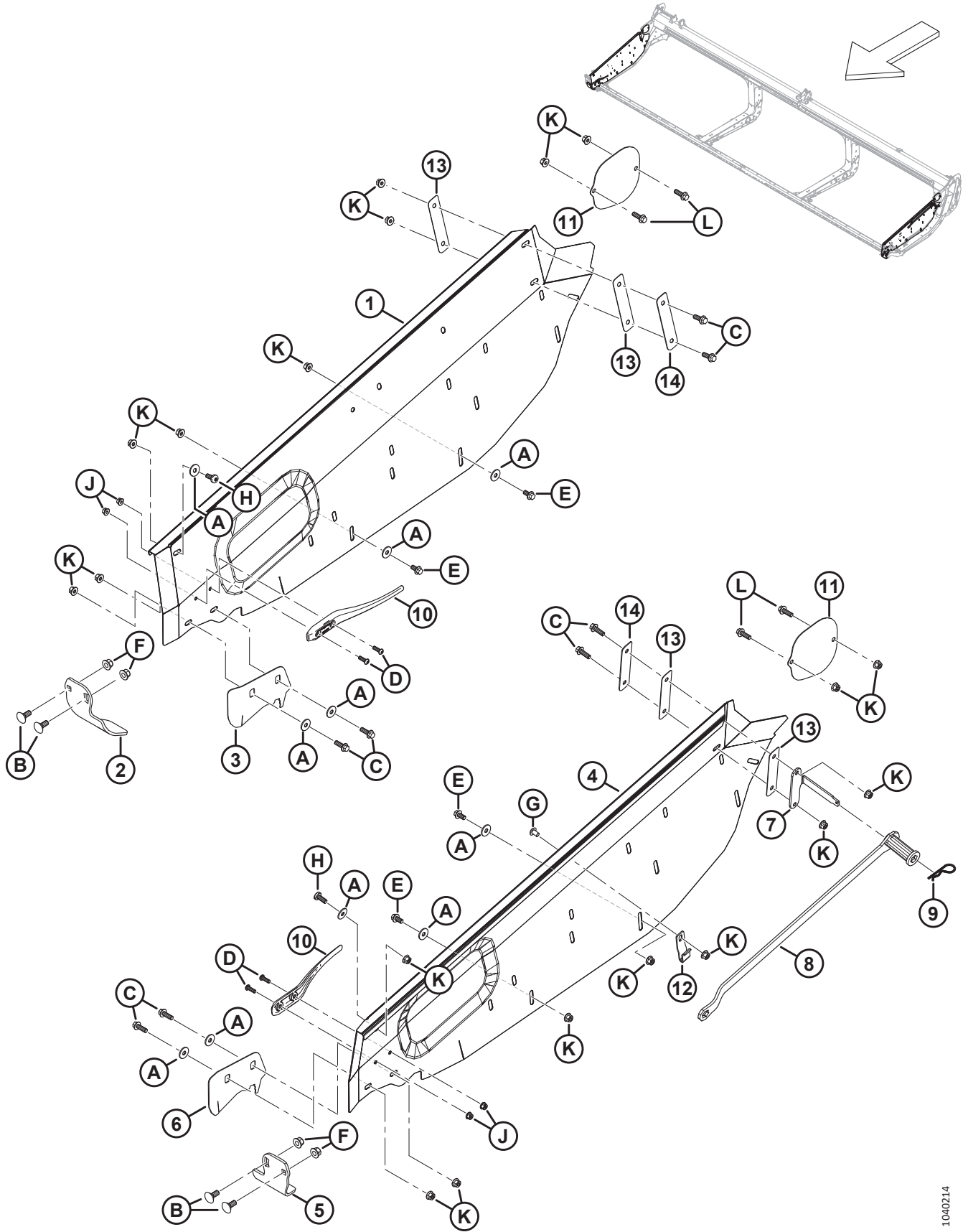
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1 Header Frame End Panels



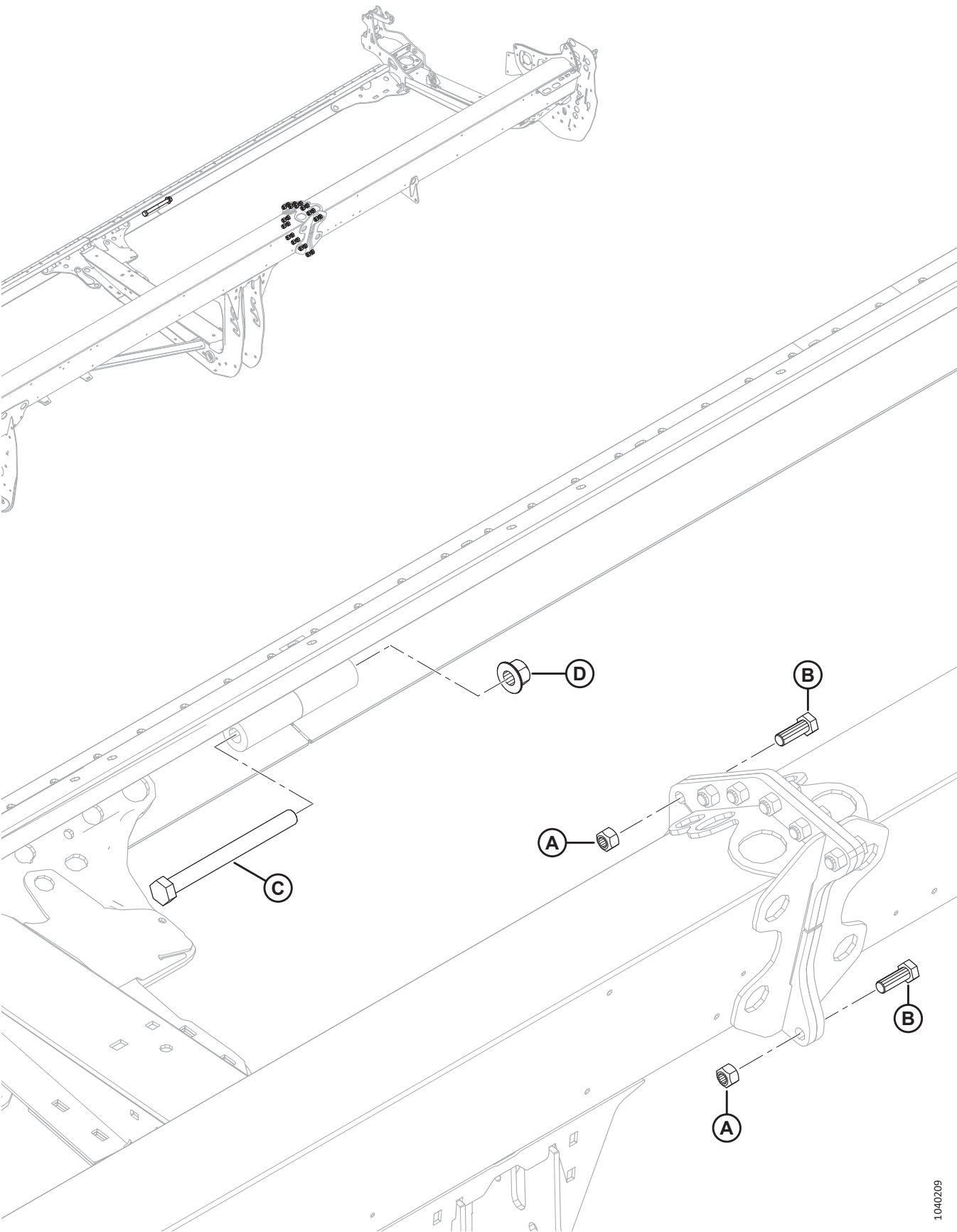
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HEADER FRAME END PANELS

Ref	Part Number	Description	Qty	Serial Number
1	360749	END PANEL – RH	1	
2	289358	GUARD – RH KNIFE HEAD	1	
3	360751	COVER – RH KNIFE OPENING ¹	1	
4	360748	END PANEL – LH	1	
5	289220	GUARD – LH KNIFE HEAD	1	
6	360750	COVER – LH KNIFE OPENING ¹	1	
7	340122	BRACKET – WRENCH HOLDER	1	
8	360361	KIT – HEADER ADJ TOOL W/ INST ²	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	4	
14	340215	PLATE	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		

1. Not recommended in all conditions. Used primarily in rice and fine grasses to keep crop from getting caught in the delivery opening.
2. Kit includes header adjuster tool (NSS) and instructions.

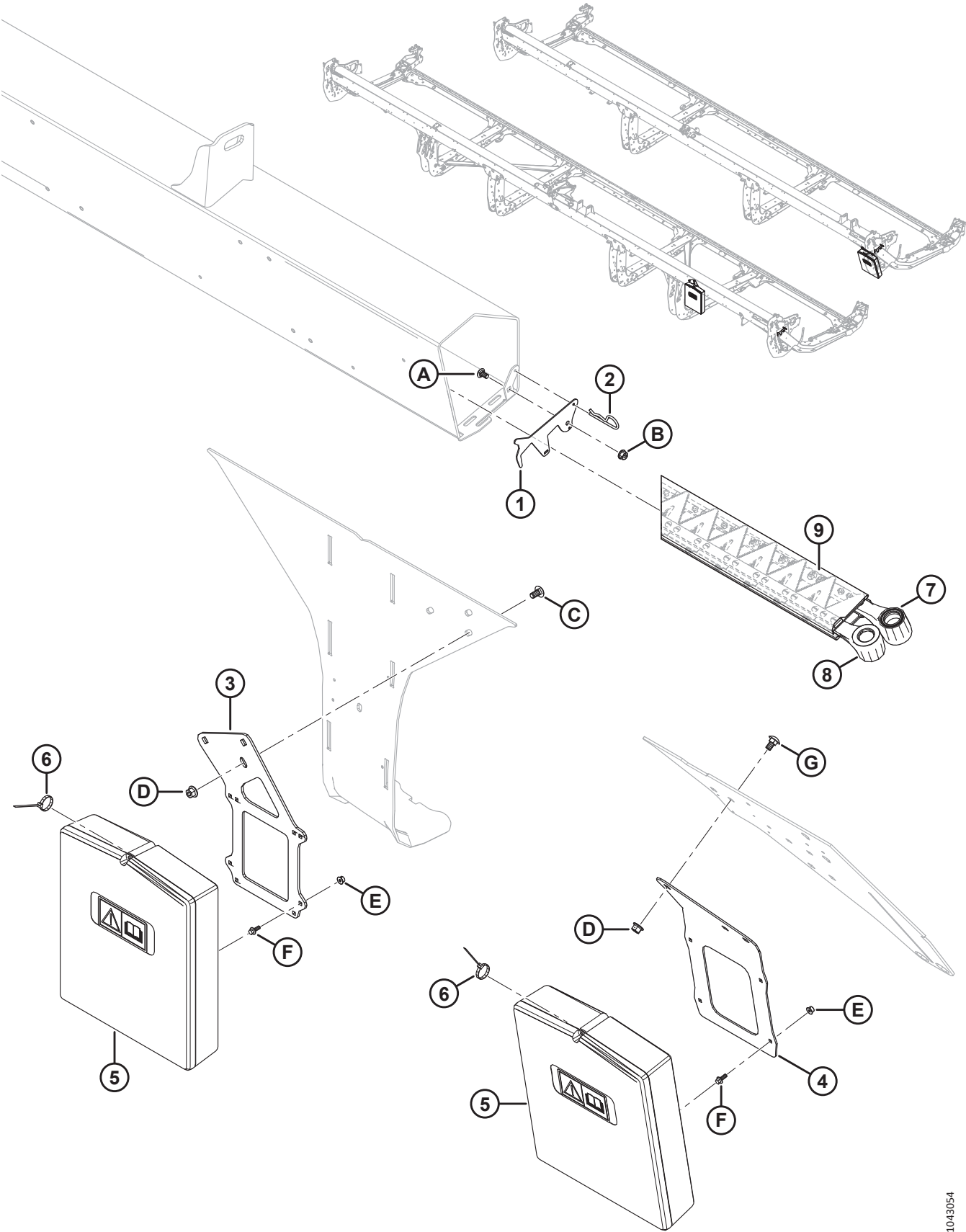
2 Header Frame – Split Frame Hardware



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		

3 Manual Case and Knife Storage



1043054

MANUAL CASE AND KNIFE STORAGE

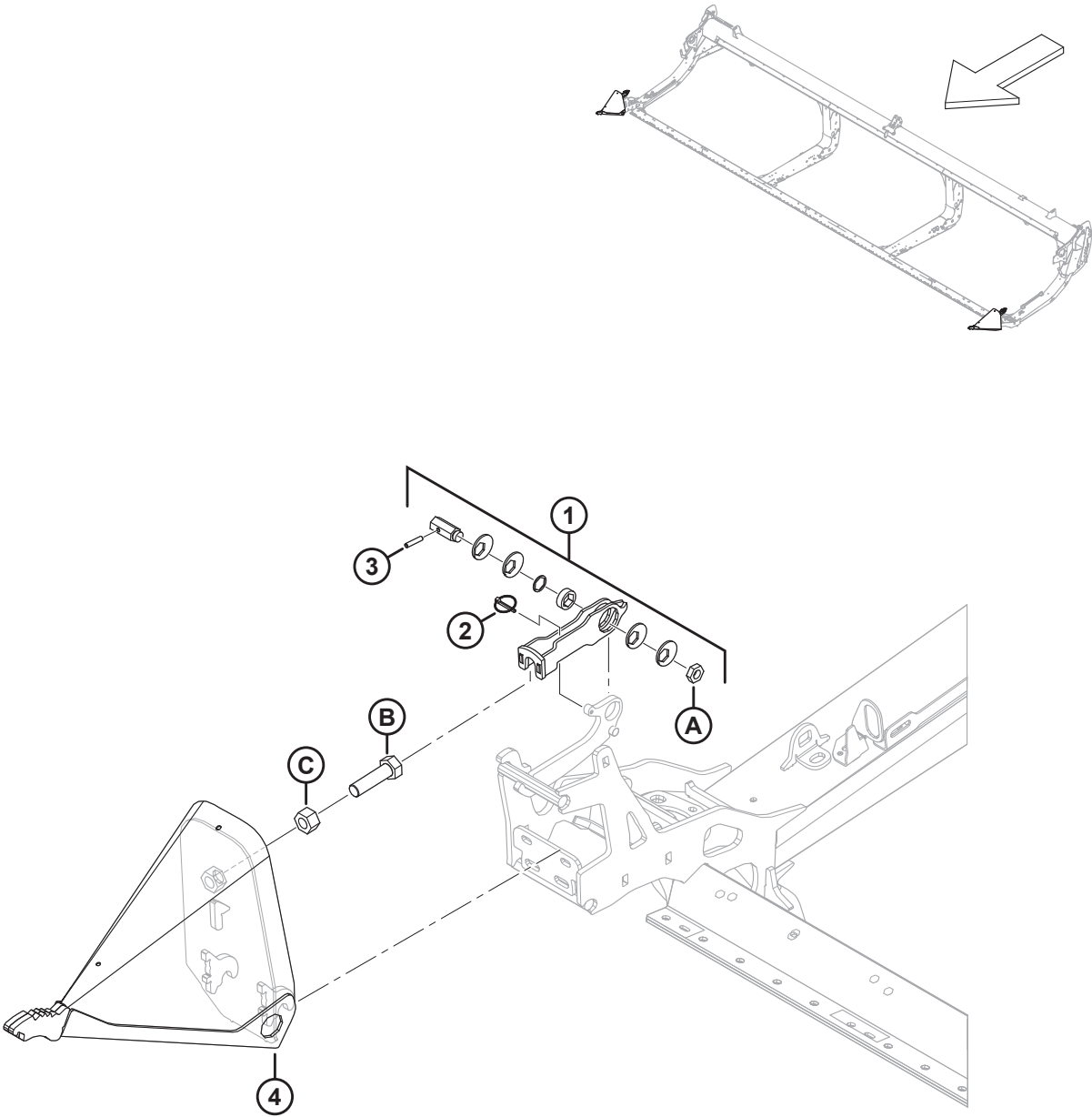
Ref	Part Number	Description	Qty	Serial Number
1	286741	LATCH – RETAINER, KNIFE STORAGE	1	
2	13125	PIN – HAIR	1	
3	360175	SUPPORT – MANUAL CASE (30–41 FT HEADERS) ³	1	
4	360166	SUPPORT – MANUAL CASE (15–25 FT HEADERS) ⁴	1	
5	220107	CASE – MANUAL	1	
6	21763	FASTENER – CABLE TIE, BLACK	1	
7	REF	KNIFE – SPARE, DK, LH ⁵	1	
8	REF	KNIFE – SPARE, DK, RH ⁵	1	
9	NSS	SHIELD – KNIFE	A/R	
A	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	135959	BOLT – HEX FLG HD M6 X 1 X 16-10.9-AA1J		
G	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		

3. Used on D230, D235, and D241 headers.

4. Used on D215, D220, and D225 headers.

5. For service parts, refer to Sections *26 Knives – Double-Knife Headers (D215, D220, and D225)*, page 53, *27 Knives – Double-Knife Headers (D230 and D235)*, page 59, and *28 Knives – Double-Knife Headers (D241)*, page 63.

4 Divider Cones

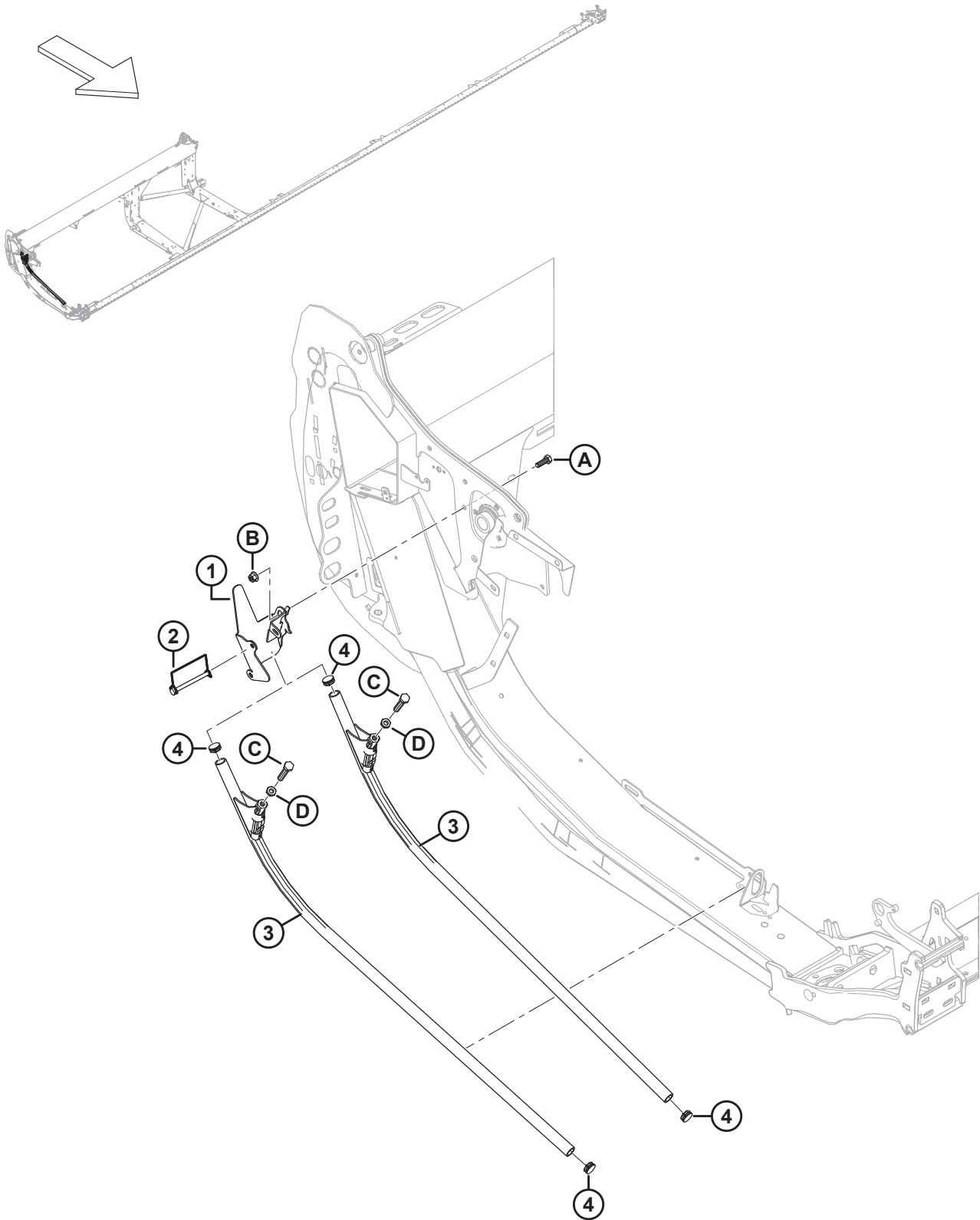


DIVIDER CONES

Ref	Part Number	Description	Qty	Serial Number
1	313767	KIT – DIVIDER LATCH ⁶	2	
2	50193	PIN – LYNCH	2	
3	16266	PIN – SPRING 1/4 DIA X 1.25 LG	2	
4	289235	DIVIDER ASSEMBLY – LH ⁷	1	
	289359	DIVIDER ASSEMBLY – RH ⁷	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		

-
6. 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 [92 Decals and Reflectors – D2 Series, page 207](#).
7. The divider assembly includes one bolt (MD #136339) and one nut (MD #136342).

5 Divider Rods and Storage

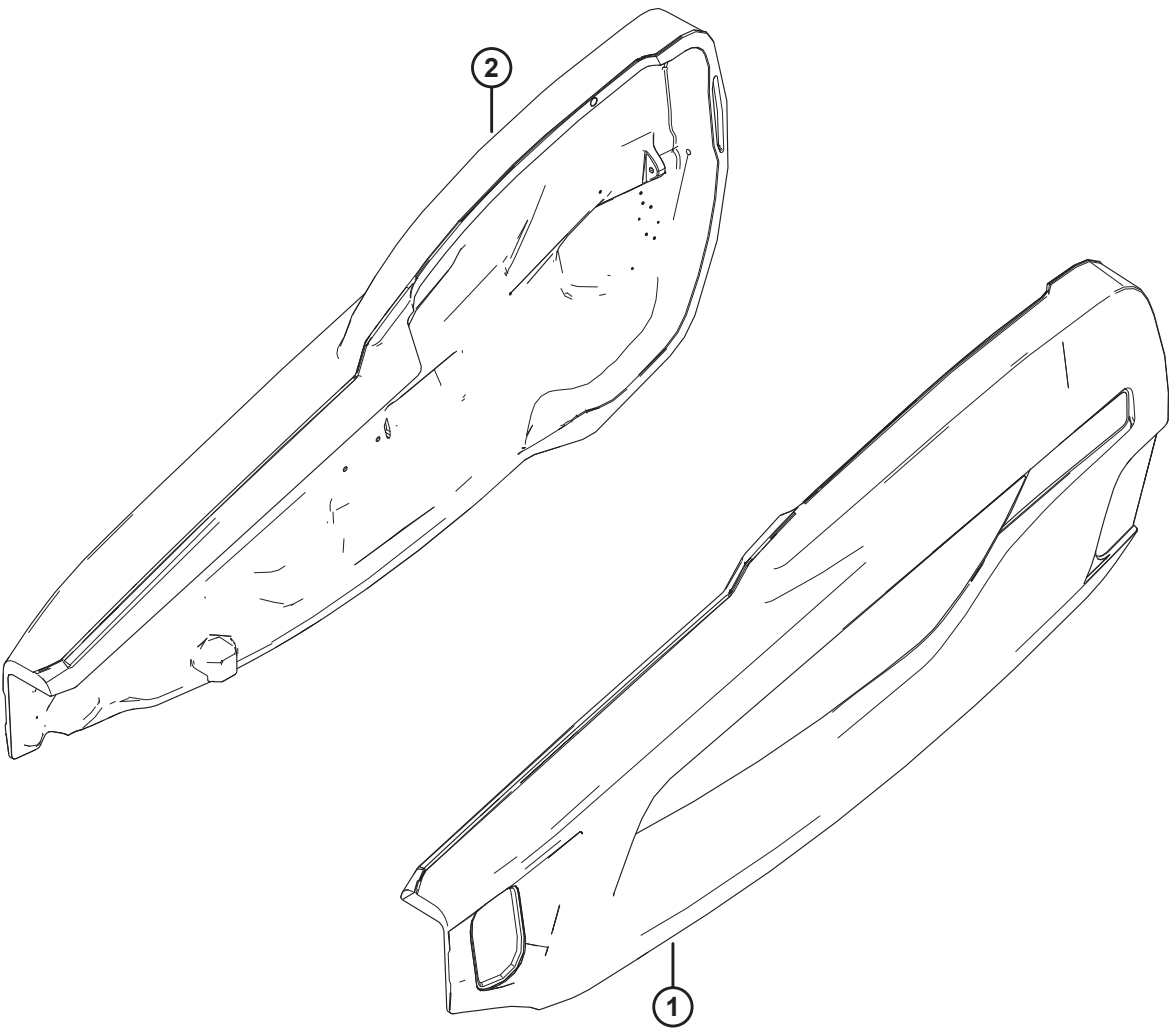
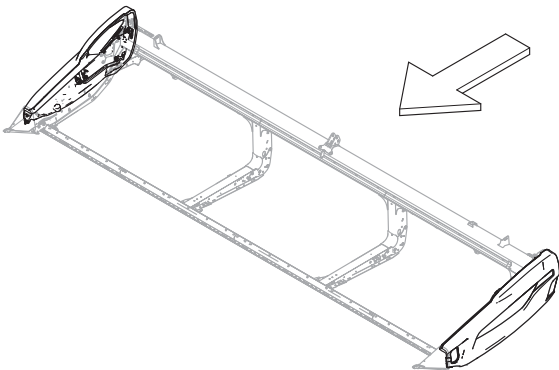


DIVIDER RODS AND STORAGE

Ref	Part Number	Description	Qty	Serial Number
1	360127	SUPPORT WELDT – ROD STORAGE	1	
2	136749	PIN – LYNCH	1	
3	289654	DIVIDER – ROD ASSY ⁸	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		

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

6 Endshields



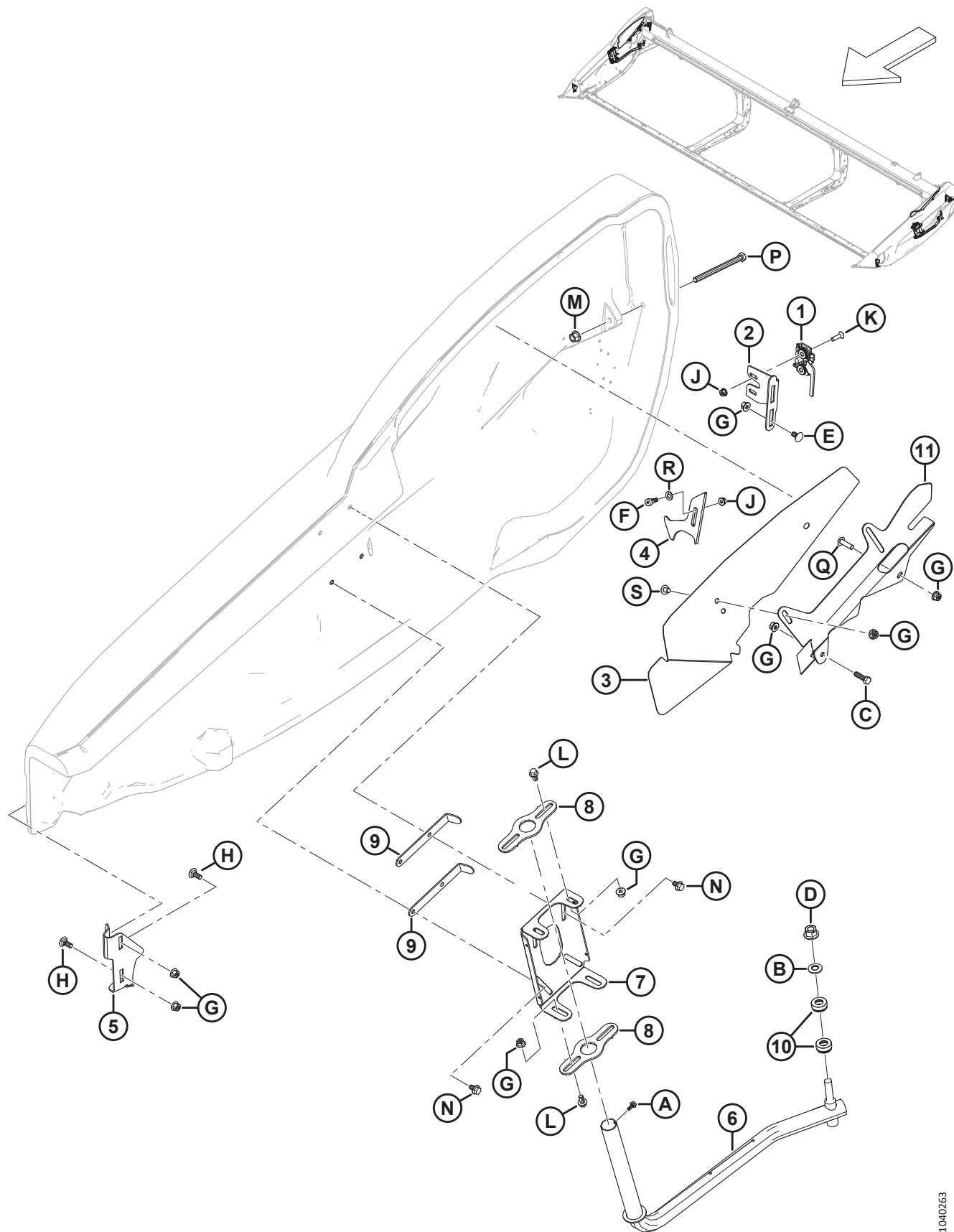
ENDSHIELDS

Ref	Part Number	Description	Qty	Serial Number
1	360554	SHIELD ASSY – BLACK, LH ⁹	1	
2	360555	SHIELD ASSY – BLACK, RH ⁹	1	
	165524	REFLECTOR – RED, 230 MM ¹⁰		

9. Refer to Section [93 Decals – Product Identification, page 209](#) for product identification decals.

10. Refer to Section [92 Decals and Reflectors – D2 Series, page 207](#). This reflector is used on the right endshield only.

7 Endshield Mount Components

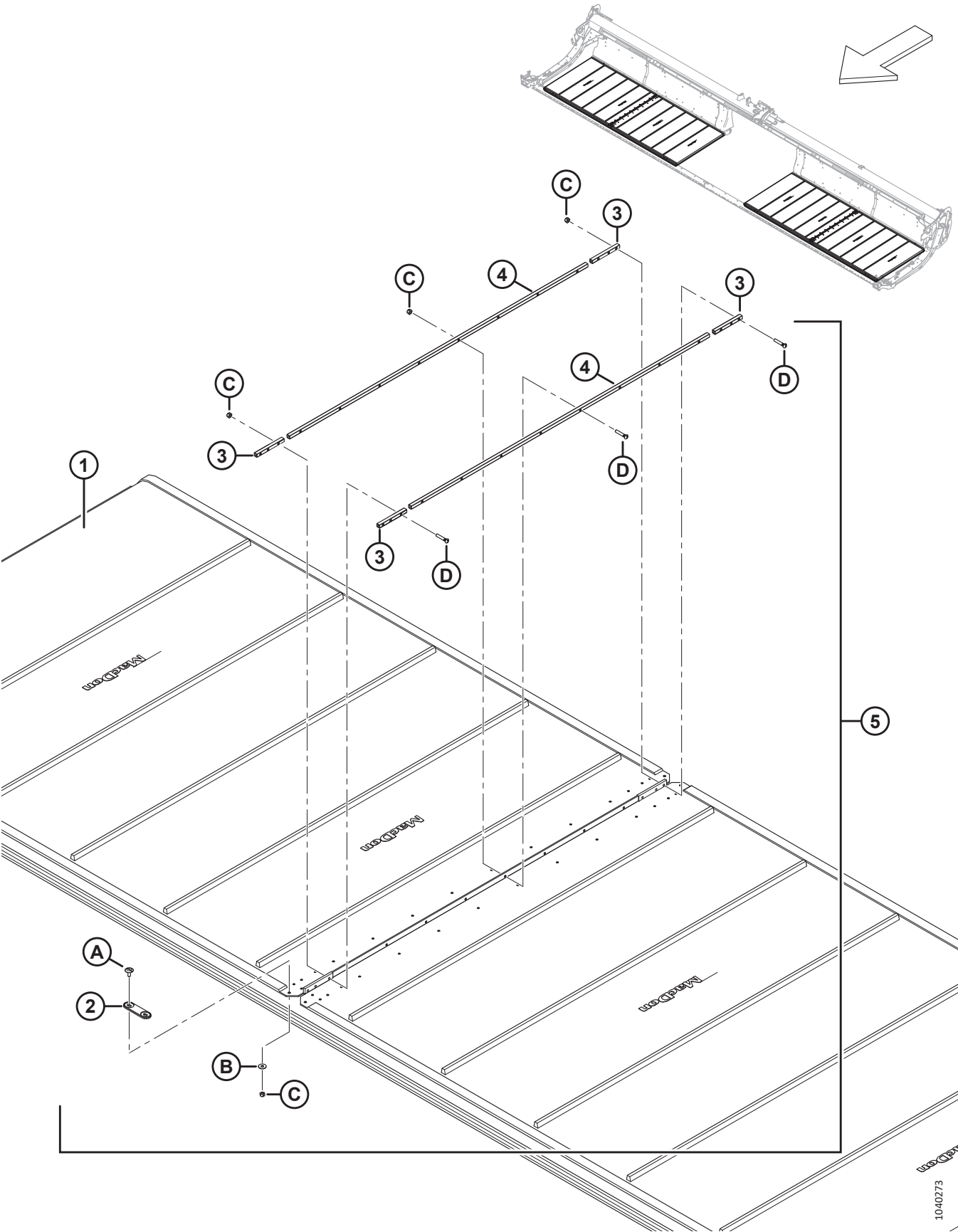


1040263

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	360379	SHIELD – RH NECK	1	
	360378	SHIELD – LH NECK	1	
4	360798	LATCH – RH	1	
	360797	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	360375	SUPPORT – RH NECK SHIELD	1	
	360374	SUPPORT – LH NECK SHIELD	1	
A	252284	SCREW – HEX WSHR HD M6 X 1 X 16-450HV		
B	184718	WASHER – CON SPRING M16 STL SAE 1050-1075		
C	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-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		
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		

8 Draper

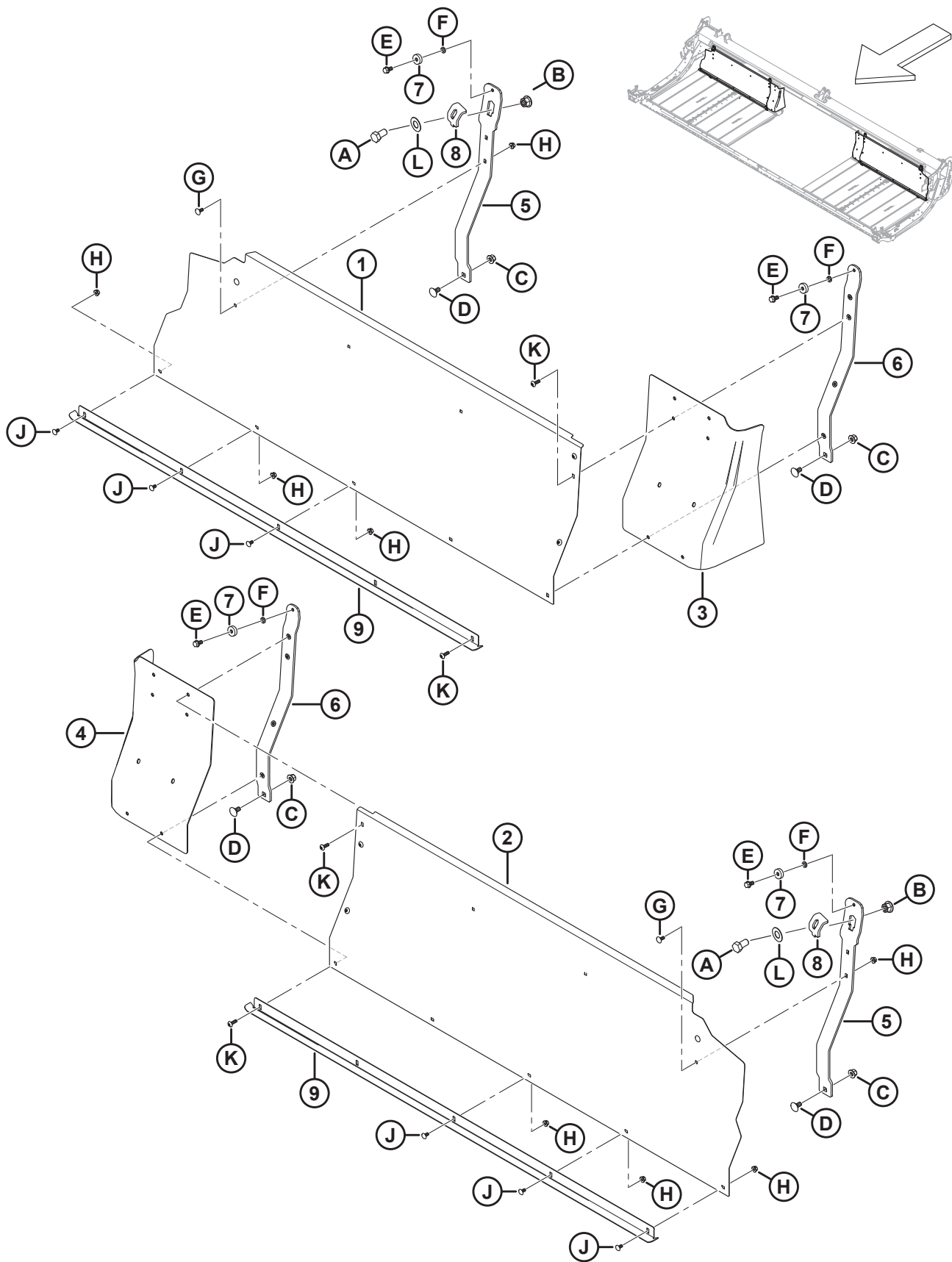


DRAPER

Ref	Part Number	Description	Qty	Serial Number
1	319674	KIT – DRAPER 15 FT, 50 IN. WIDE ¹¹	2	
	319675	KIT – DRAPER 20 FT, 50 IN. WIDE ¹¹	2	
	319098	KIT – DRAPER 25 FT, 50 IN. WIDE ¹¹	2	
	319099	KIT – DRAPER 30 FT, 50 IN. WIDE ¹¹	2	
	319100	KIT – DRAPER 35 FT, 50 IN. WIDE ¹¹	2	
	319102	KIT – DRAPER 41 FT, 50 IN. WIDE ¹¹	2	
	319105	KIT – DRAPER REPAIR 50 IN., 500 MM (19 11/16 IN.) LONG ¹²	A/R	
	319540	KIT – BULK DRAPER 50 IN. ¹³	OPT	
2	319662	CONNECTOR – BRIDGE	2	
3	NSS	BAR – CONNECTOR DRAPER HEM ¹⁴	8	
	319347	KIT – DRAPER CONNECTOR 50 IN., HEM ¹⁵	A/R	
4	NSS	BAR – CONNECTOR DRAPER CENTER ¹⁶	4	
	319346	KIT – DRAPER CONNECTOR 50 IN., CENTER ¹⁷	A/R	
5	319095	KIT – DRAPER CONNECTOR 50 IN. ¹⁸	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 ¹⁹		
D	319345	KIT – SCREW M6 X 34 C/W NUT 30PK ²⁰		

11. The kit includes draper (NSS) and draper connector kit (MD #319095).
12. The kit includes draper repair piece (NSS) and two draper connector kits (MD #319095).
13. The kit includes a bulk draper roll and instructions.
14. Not sold separately (NSS). Order either the draper hem connector kit (MD #319347) or the draper connector kit (MD #319095).
15. The kit includes two draper hem connector bars (NSS) and hardware (MD #226259 and MD #320240).
16. Not sold separately (NSS). Order either the draper center connector kit (MD #319346) or the draper connector kit (MD #319095).
17. The kit includes two draper center connector bars (NSS) and hardware (MD #226259 and MD #320240).
18. One kit per side; Includes two draper center connector bars (NSS), four draper hem connector bars (NSS), bridge connector (MD #319662), and hardware.
19. The kit includes 50 nuts; used to service hardware C shown in the illustration.
20. The kit includes 30 screws and 30 nuts; used to service hardware D shown in the illustration.

9 Draper – Backsheet Panels (D215 and D220)



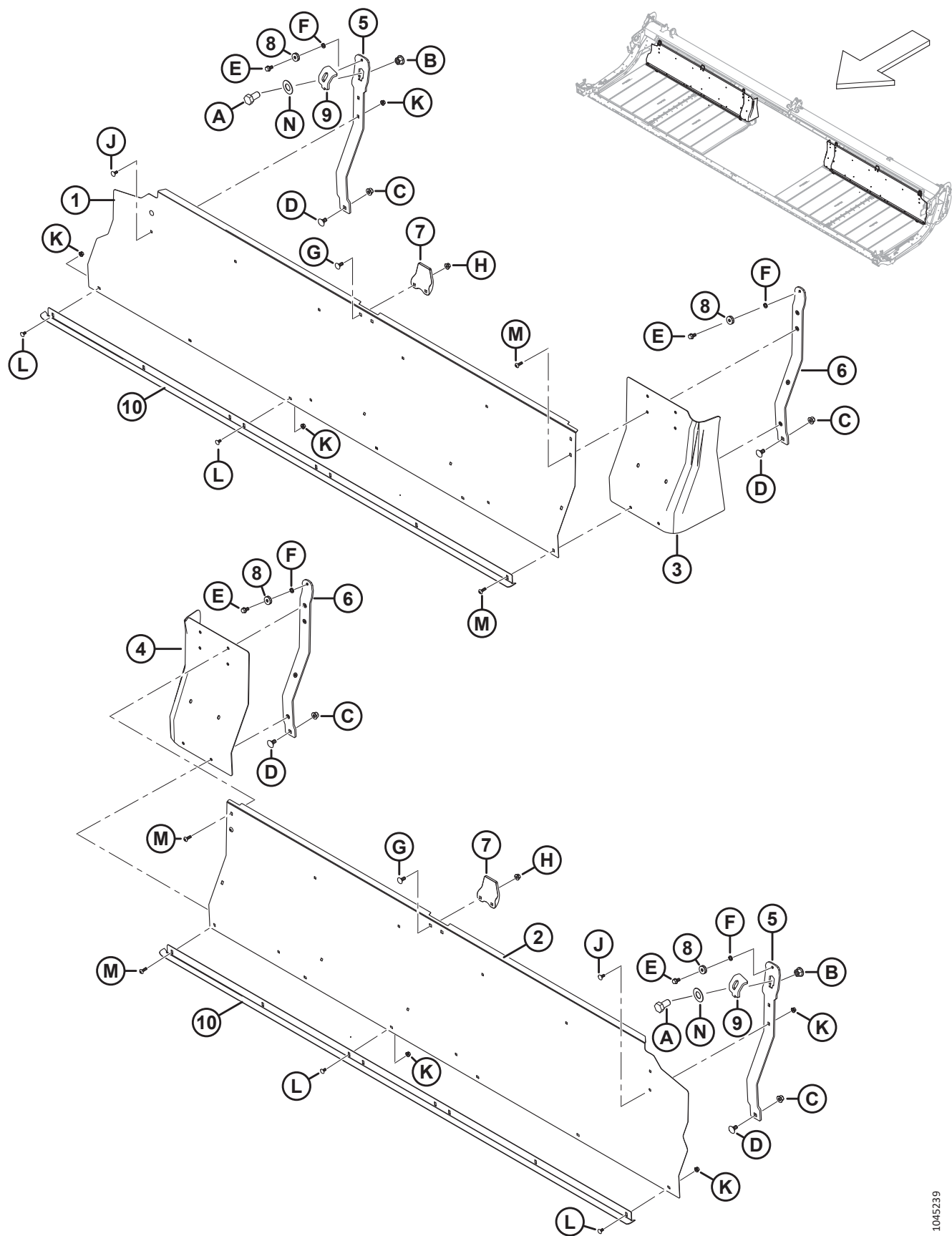
1045234

DRAPER – BACKSHEET PANELS (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	319630	PANEL – BACKSHEET 15 FT. RH	1	
	319632	PANEL – BACKSHEET 20 FT. RH	1	
2	319629	PANEL – BACKSHEET 15 FT. LH	1	
	319631	PANEL – BACKSHEET 20 FT. LH	1	
3	319223	EXTENSION – BACKSHEET RH	1	
4	319222	EXTENSION – BACKSHEET LH	1	
5	275941	SUPPORT – DECK OUTBOARD, RIGID	2	
6	275938	SUPPORT – INBOARD RIGID DECK ASSY ²¹	2	
7	18867	BEARING – BALL CYL OD C/W TWO SEALS	4	
8	387140	CLAMP – DECK SHIFT	2	
9	319719	DEFLECTOR – 15FT.	2	
	319720	DEFLECTOR – 20FT.	2	
A	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
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	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	124767	WASHER – HARD 16-434HV-AB0C		

21. Includes four rivnuts (MD #320181).

10 Draper – Backsheet Panels (D225)



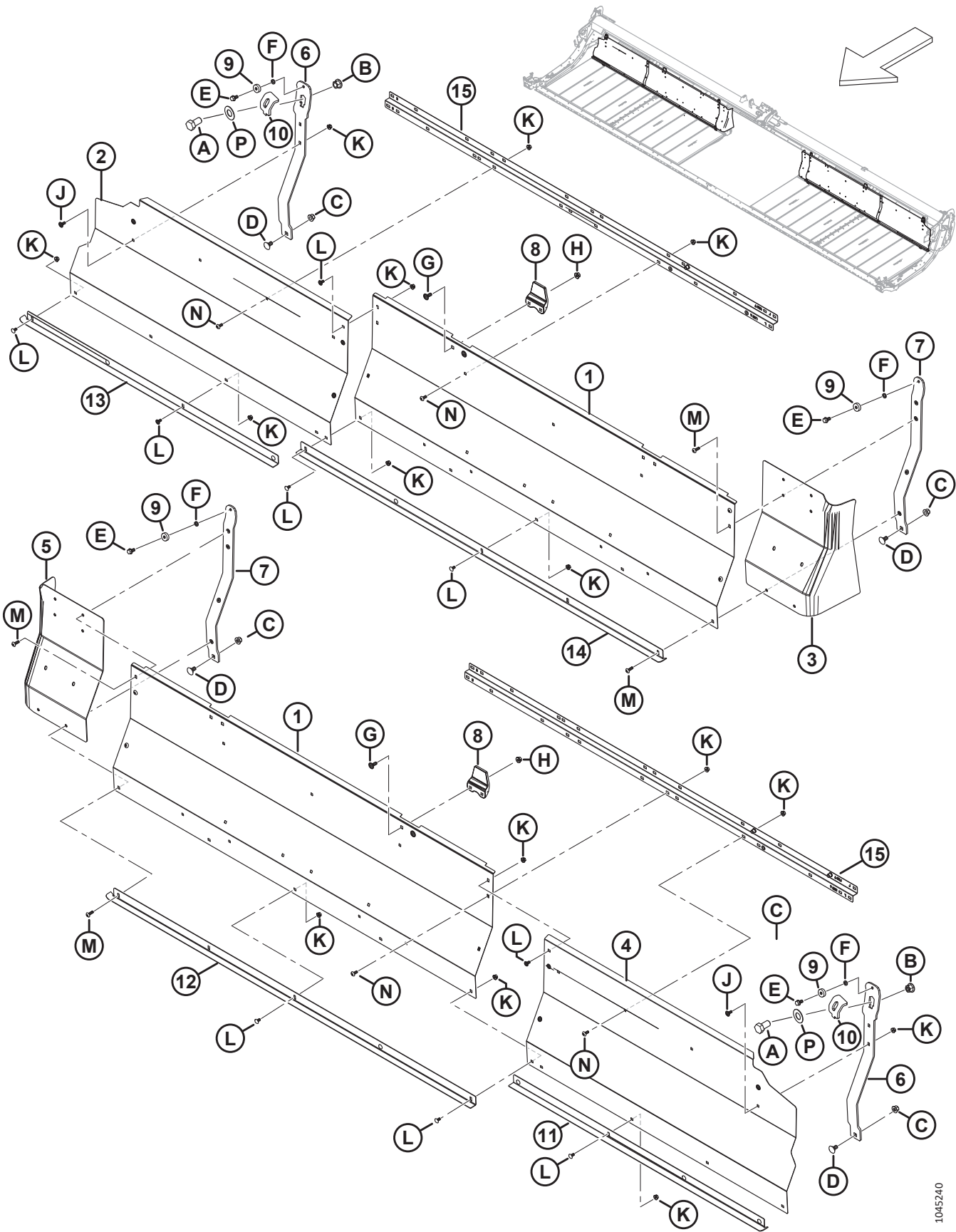
1045239

DRAPER – BACKSHEET PANELS (D225)

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	275941	SUPPORT – DECK OUTBOARD, RIGID	2	
6	275938	SUPPORT – INBOARD RIGID DECK ASSY ²²	2	
7	145840	GUIDE – BACKSHEET	2	
8	18867	BEARING – BALL CYL OD C/W TWO SEALS	4	
9	387140	CLAMP – DECK SHIFT	2	
10	319721	DEFLECTOR – 25FT.	2	
A	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
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	124767	WASHER – HARD 16-434HV-AB0C		

22. Includes four rivnuts (MD #320181).

11 Draper – Backsheet Panels (D230 and D235)



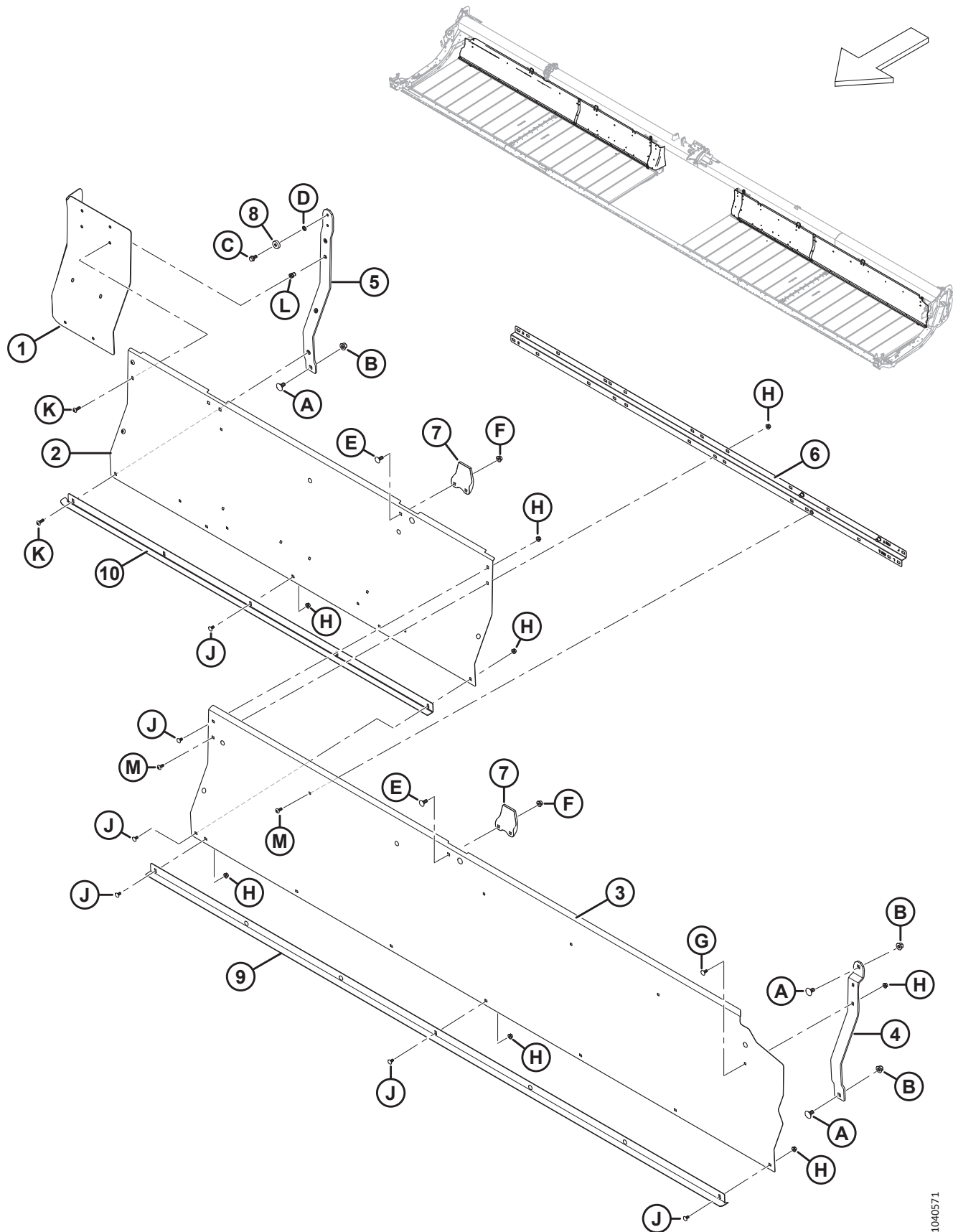
1045240

DRAPER – BACKSHEET PANELS (D230 AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	275837	PANEL – BACKSHEET 30, 35, 41 FT. INNER	2	
2	275461	PANEL – BACKSHEET 30 FT. RH OUTER	1	
	275320	PANEL – BACKSHEET 35 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	
5	319222	EXTENSION – BACKSHEET LH	1	
6	275941	SUPPORT – DECK OUTBOARD, RIGID	2	
7	275938	SUPPORT – INBOARD RIGID DECK ASSY ²³	2	
8	145840	GUIDE – BACKSHEET	2	
9	18867	BEARING – BALL CYL OD C/W TWO SEALS	4	
10	387140	CLAMP – DECK SHIFT	2	
11	319722	DEFLECTOR – LH, 30 FT.	1	
	319724	DEFLECTOR – LH, 35 FT.	1	
12	319715	DEFLECTOR – LH INBOARD, 30–41 FT.	1	
13	319723	DEFLECTOR – RH, 30 FT.	1	
	319725	DEFLECTOR – RH, 35 FT.	1	
14	319716	DEFLECTOR – RH INBOARD, 30–41 FT.	1	
15	360509	SUPPORT – BACKSHEET	2	
A	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
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	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
P	124767	WASHER – HARD 16-434HV-AB0C		

23. Includes four rivnuts (MD #320181).

12 Draper – Backsheet Panels (D241)

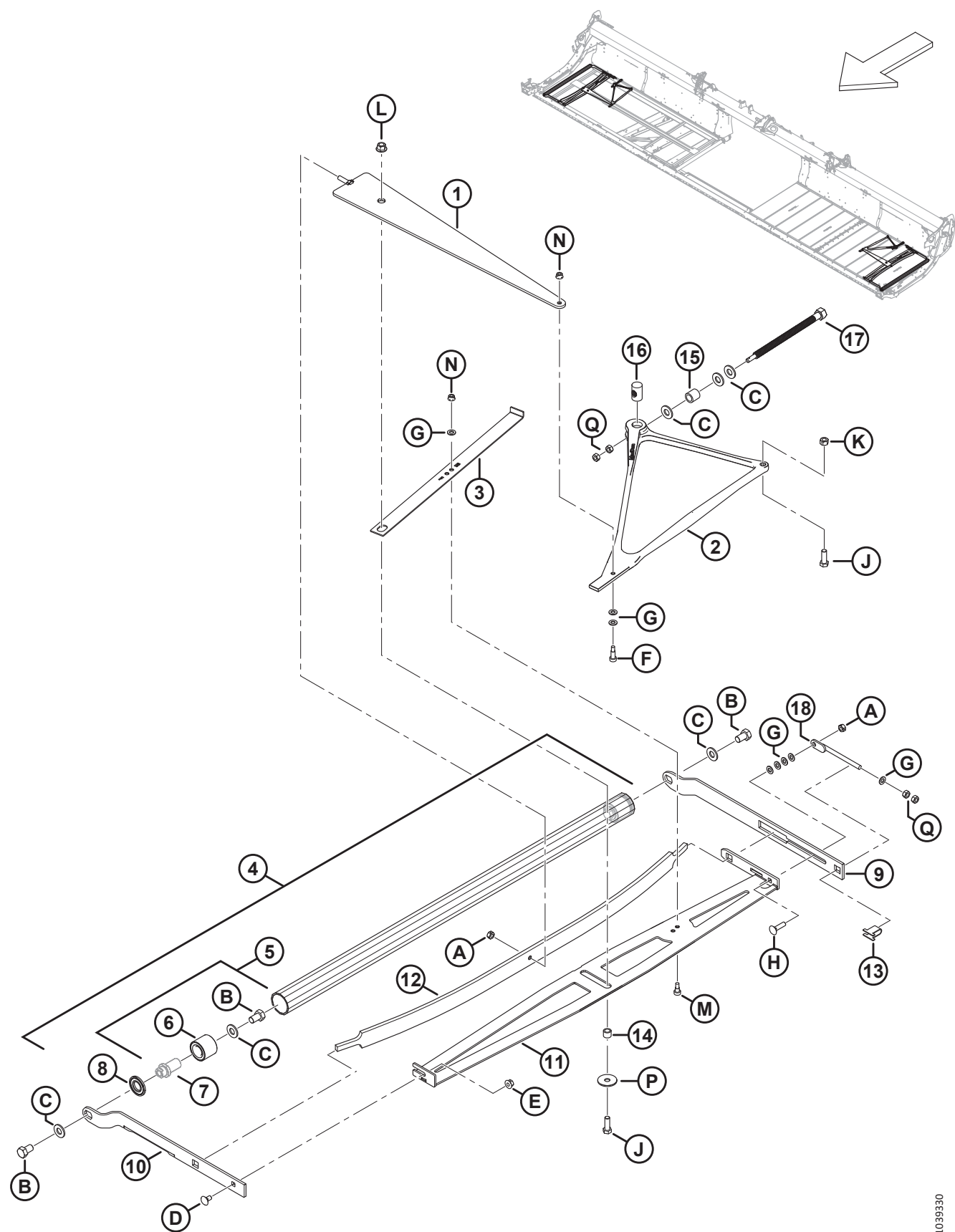


DRAPER – BACKSHEET PANELS (D241)

Ref	Part Number	Description	Qty	Serial Number
1	319222	EXTENSION – BACKSHEET LH	1	
	319223	EXTENSION – BACKSHEET RH	1	
2	275837	PANEL – BACKSHEET 30, 35, 41 FT. INNER	2	
3	275484	PANEL – BACKSHEET 41 FT. LH OUTER	1	
	275483	PANEL – BACKSHEET 41 FT. RH OUTER	1	
4	275675	SUPPORT – DECK	2	
5	319366	KIT – DECK SUPPORT C/W BOLT ²⁴	2	
6	360509	SUPPORT – BACKSHEET	2	
7	145840	GUIDE – BACKSHEET	4	
8	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
9	319726	DEFLECTOR – LH, 41 FT.	1	
	319727	DEFLECTOR – RH, 41 FT.	1	
10	319715	DEFLECTOR – LH INBOARD, 30–41 FT.	1	
	319716	DEFLECTOR – RH INBOARD, 30–41 FT.	1	
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	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		

24. The kit includes inboard flex deck support assembly (NSS), screw (MD #101897), and four rivnuts (MD #320181).

13 Draper – Tensioner



1039330

DRAPER – TENSIONER

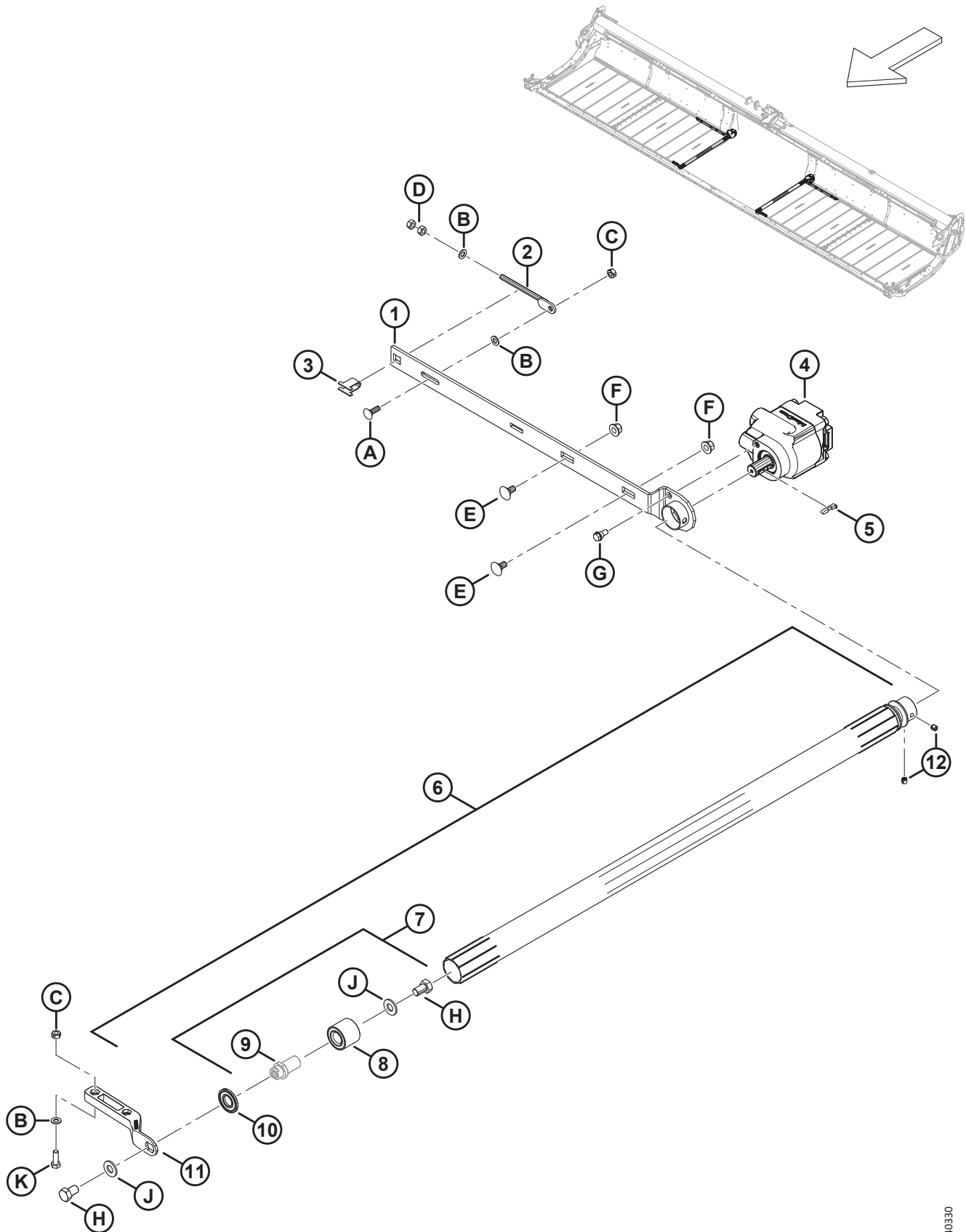
Ref	Part Number	Description	Qty	Serial Number
1	319051	MEMBER – COMPRESSION WELDT	2	
2	275902	CASTING – TENSIONER BELLCRANK	2	
3	275877	INDICATOR – TENSIONER	2	
4	275211	IDLER ROLLER ASSY SERVICE ²⁵	2	
5	165735	PIN ASSY – DRAPER ROLLER ²⁶	4	
6	337284	BEARING – BALL DBL ROW 52 MM OD	4	
7	NSS	PIN ²⁷		
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		

25. Includes two pin assemblies (MD #165735) and two seals (MD #120845).

26. Includes one pin (NSS), one bearing (MD #337284), and hardware (MD #30441, MD #145249).

27. Not sold separately; included in pin assembly (MD #165735).

14 Draper – Drive Roller

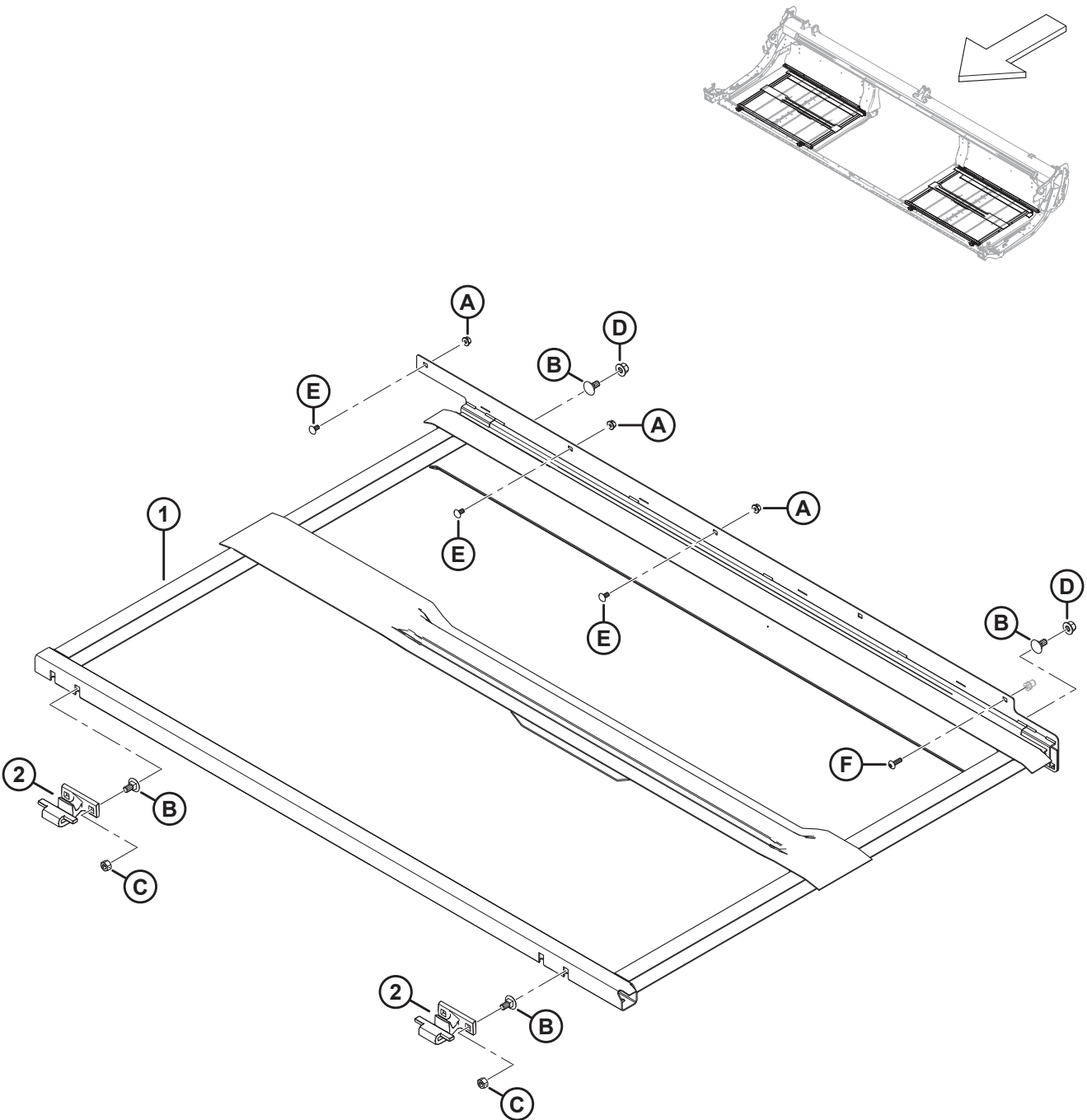


DRAPER – DRIVE ROLLER

Ref	Part Number	Description	Qty	Serial Number
1	275332	ARM – DRIVE ROLLER WELDT	2	
2	227914	BOLT – ADJUSTER WELDT	2	
3	275232	SUPPORT – ADJUSTER SCREW	2	
4	275860	MOTOR – HYD GEAR DRAPER DRIVE	2	
	319583	SEAL KIT – DRAPER DRIVE MOTOR		
5	275864	KEY – DRAPER DRIVE MOTOR	2	
6	319676	DRIVE ROLLER ASSY SERVICE ²⁸	2	
7	165735	PIN ASSY – DRAPER ROLLER ²⁹	2	
8	132607	BEARING – DOUBLE ROW BALL 52 OD X 25 BORE	2	
9	NSS	PIN ³⁰		
10	120845	SEAL – NILOS LSTO STEEL DISK	2	
11	319265	ARM – FRONT DRAPER DRIVE MACH	2	
12	320182	SCREW – SET SOC M10 X 1.5 X 10-8.8-BO	4	
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 TFLM 10 X 1.5 X 30-8.8-AA1J		

28. Includes ribbed roller (NSS), pin assembly (MD #165735), seal (MD #120845), and two set screws (MD #320182).
29. Includes pin (NSS), bearing (MD #132607), and hardware (MD #30441, MD #145249).
30. Not sold separately; included in pin assembly (MD #165735).

15 Draper – Decks (D215 and D220)

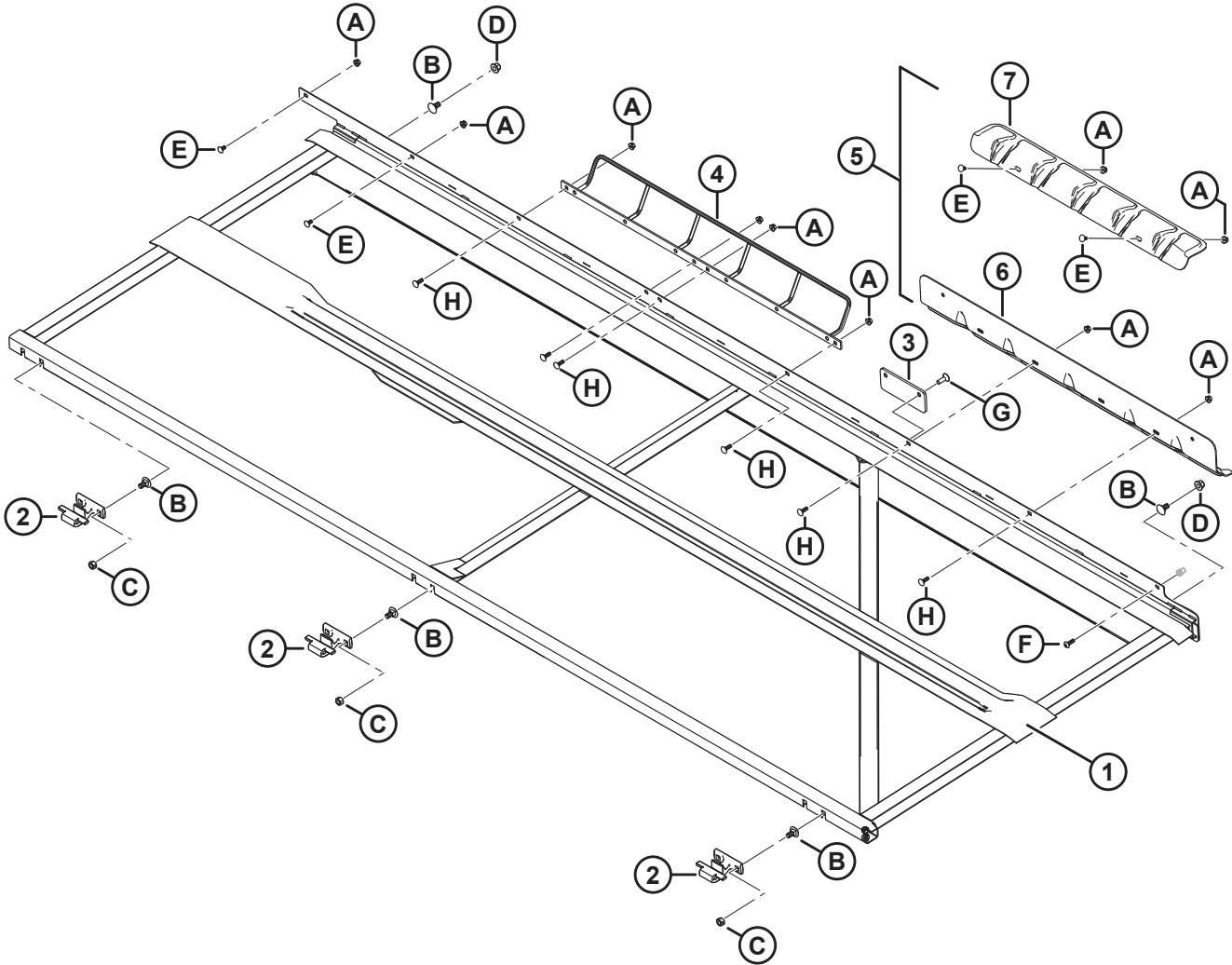
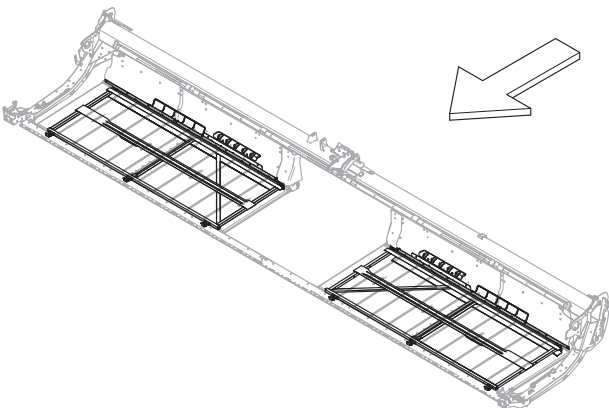


1040915

DRAPER – DECKS (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	319481	DECK WELDT – 15 FT RH RIGID	1	
	319480	DECK WELDT – 15 FT LH RIGID	1	
	319483	DECK WELDT – 20 FT RH RIGID	1	
	319482	DECK WELDT – 20 FT LH RIGID	1	
2	319225	CASTING – DECK FRONT HOOK	4	
A	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
B	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
C	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
F	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		

16 Draper – Decks (D225, D230, and D235)



DRAPER – DECKS (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	275407	DECK WELDT – 25 FT RH RIGID	1	
	275406	DECK WELDT – 25 FT LH RIGID	1	
	275465	DECK WELDT – 30 FT RH RIGID	1	
	275464	DECK WELDT – 30 FT LH RIGID	1	
	275309	DECK WELDT – 35 FT RH RIGID	1	
	275308	DECK WELDT – 35 FT LH RIGID	1	
2	319225	CASTING – DECK FRONT HOOK ³¹		
3	309079	GUARD – PLASTIC	2	
4	232585	SUPPORT – HOSE WELDT	2	
5	360249	COVER SET – HYDRAULIC DECK SHIFT ³²	2	
6	NSS	COVER – CHAIN ³³	2	
7	NSS	SUPPORT – HOSE ³⁴	2	
A	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
B	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
C	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
F	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
G	136857	SCREW – HEX SOC CSK HD TFL M10 X 1.5 X 30-ZINC		
H	184648	BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J		

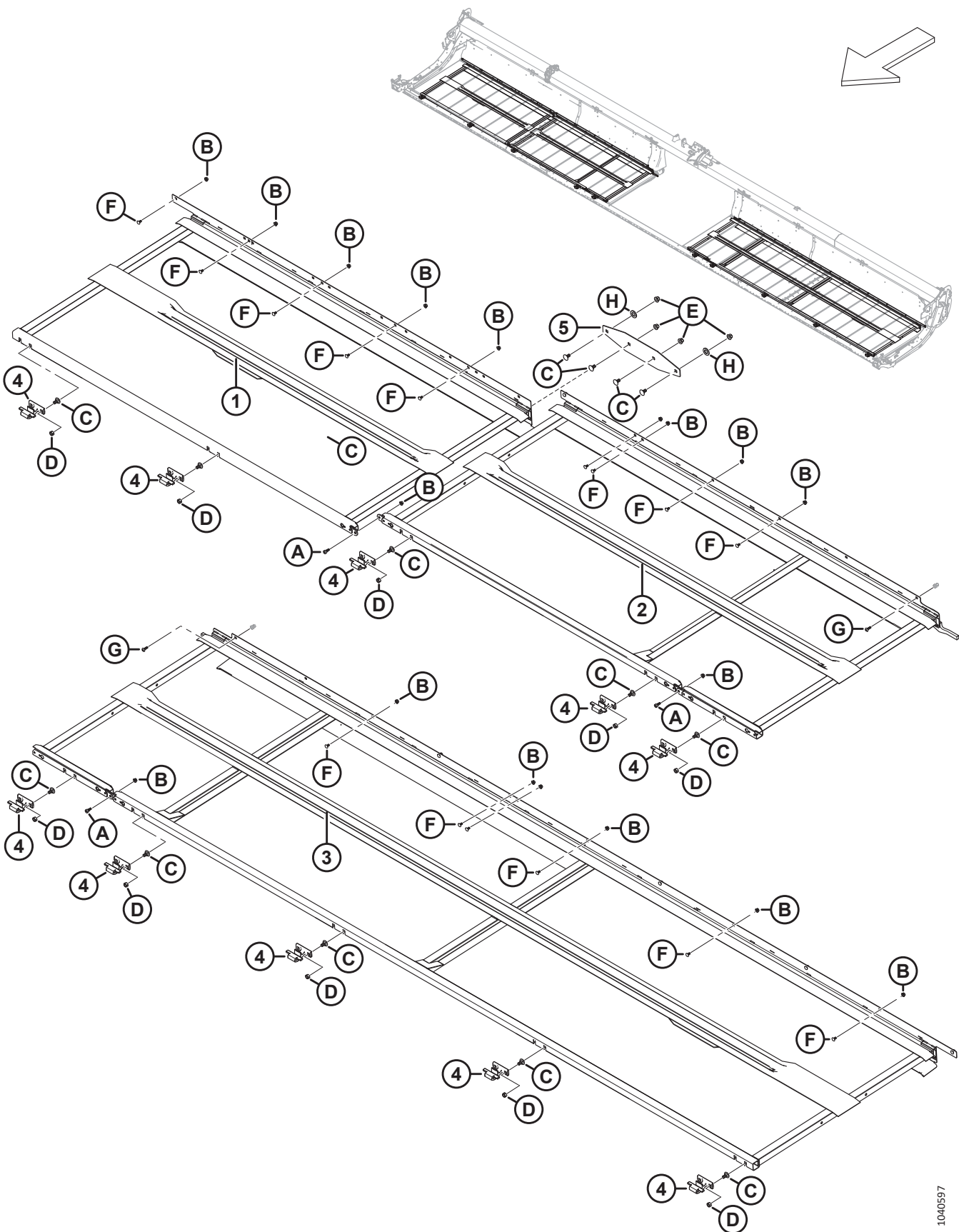
31. Quantities: D225 and D230 = 6; D235 = 8.

32. The hydraulic deck shift cover set includes one chain cover (NSS) and one hose support (NSS).

33. Not sold separately. To service the chain cover, order hydraulic deck shift cover set (MD #360249).

34. Not sold separately. To service the hose support, order hydraulic deck shift cover set (MD #360249).

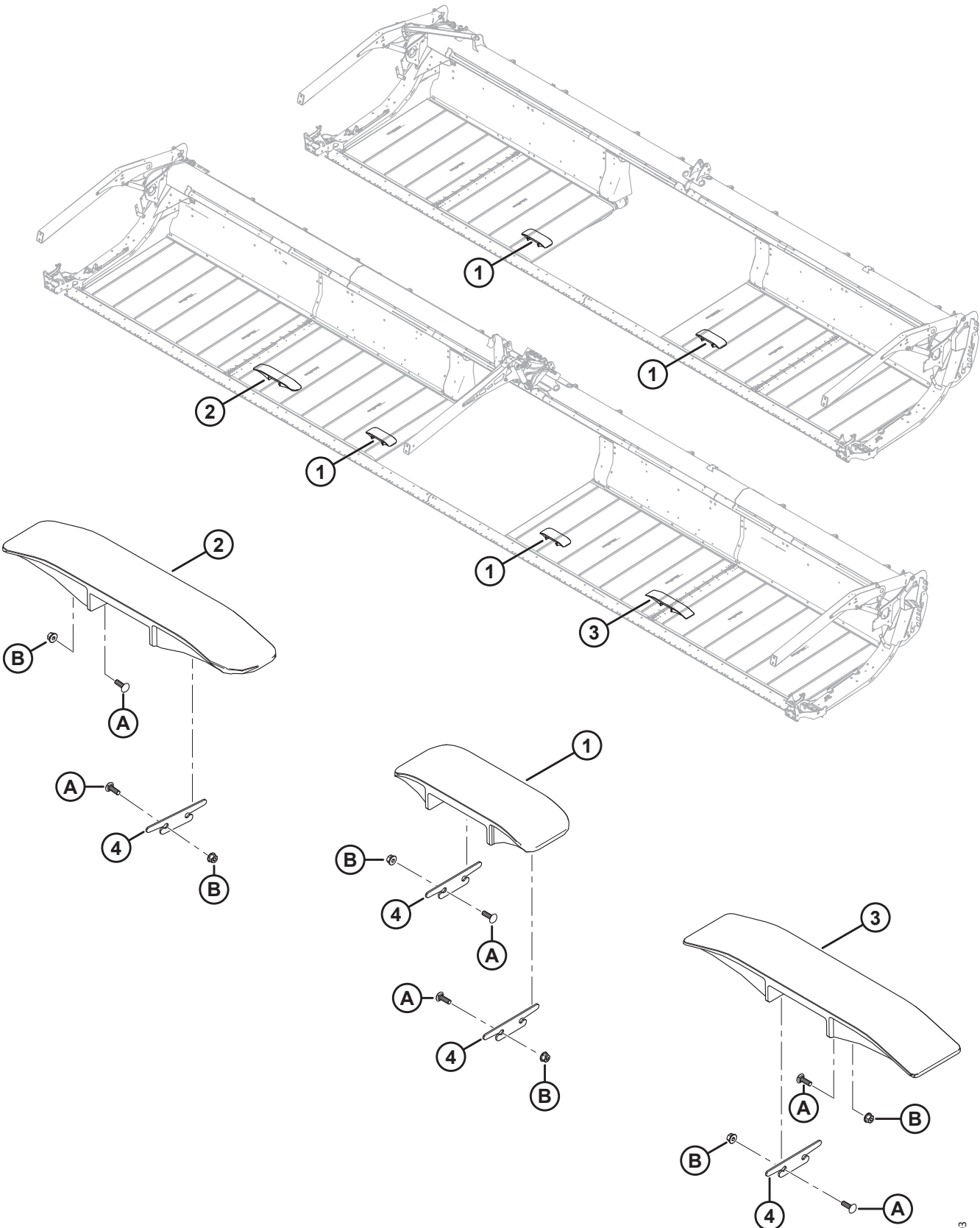
17 Draper – Decks (D241)



DRAPER – DECKS (D241)

Ref	Part Number	Description	Qty	Serial Number
1	275770	DECK WELDT – RH OUTBOARD	1	
2	275514	DECK WELDT – 41 FT RH INBOARD	1	
3	275513	DECK WELDT – 41 FT LH	1	
4	319225	CASTING – DECK FRONT HOOK	10	
5	275690	PLATE – DECK FRAME JOINT	1	
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		

18 Draper – Tracks



1040603

DRAPER – TRACKS

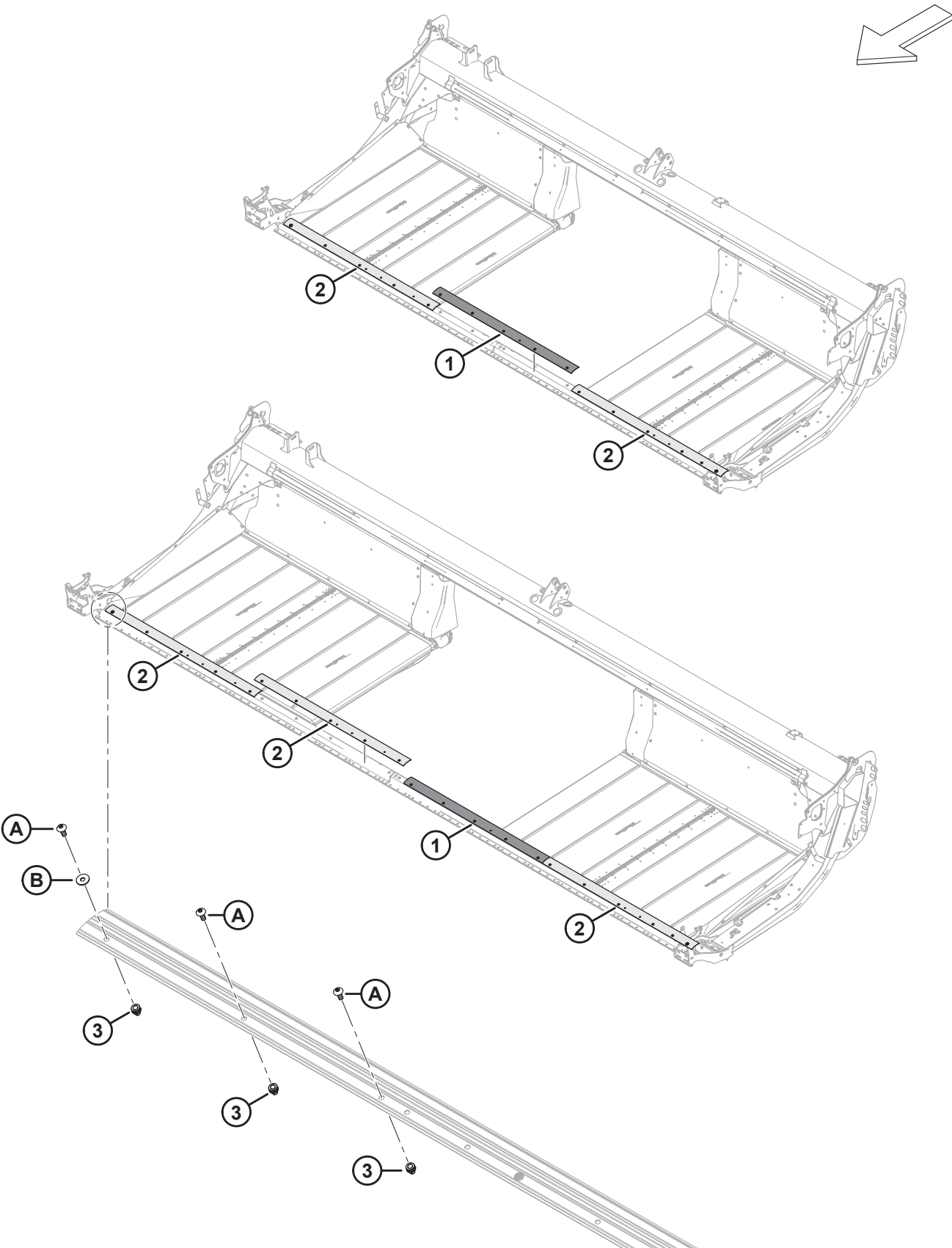
Ref	Part Number	Description	Qty	Serial Number
1	360150	TRACK – SHORT PLASTIC	2	
2	360151	TRACK – ANGLED PLASTIC ³⁵	1	
3	340841	TRACK – STANDARD PLASTIC ³⁶	1	
4	340681	SHIM – DRAPER TRACK ³⁷		
A	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

35. Double-reel headers only. Used on the RH draper deck.

36. Double-reel headers only. Used on the LH draper deck.

37. Quantities: single reel = 4; double reel = 6.

19 Draper – Seals (D215 and D220)



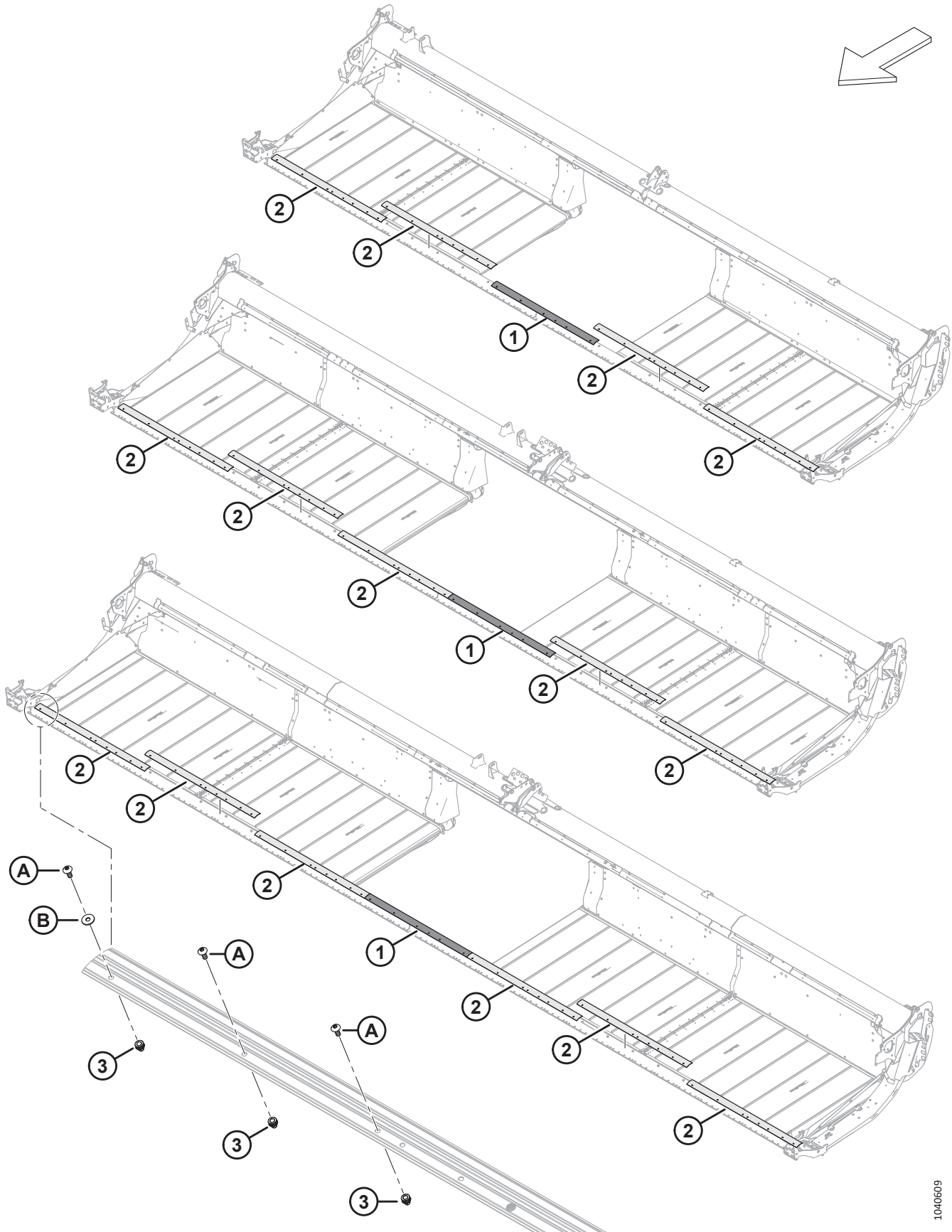
DRAPER – SEALS (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	319430	PLATE – CBAR SEAL, RIGID	1	
2	319431	PLATE – CBAR SEAL MIDDLE ³⁸		
3	320448	RIVNUT – M8 X 1.25 HEX ³⁹		
A	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		

38. Quantities: D215 = 2, D220 = 3.

39. Quantities: D215 = 17, D220 = 22.

20 Draper – Seals (D225, D230, and D235)



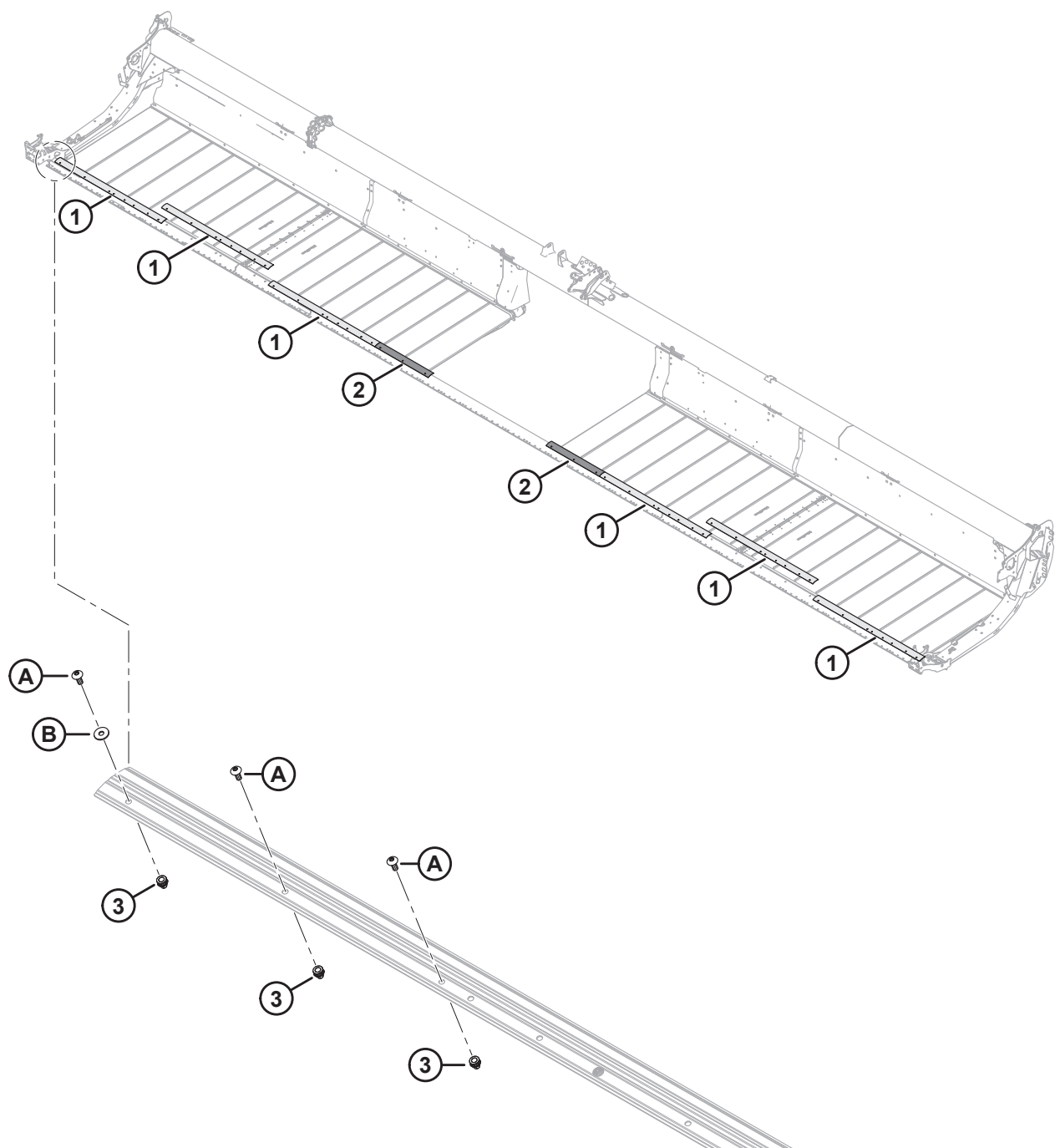
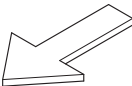
DRAPER – SEALS (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	319430	PLATE – CBAR SEAL, RIGID	1	
2	319431	PLATE – CBAR SEAL MIDDLE ⁴⁰		
3	320448	RIVNUT – M8 X 1.25 HEX ⁴¹		
A	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		

40. Quantities: D225 = 4, D230 = 5, and D235 = 6.

41. Quantities: D225 = 27, D230 = 32, and D235 = 37.

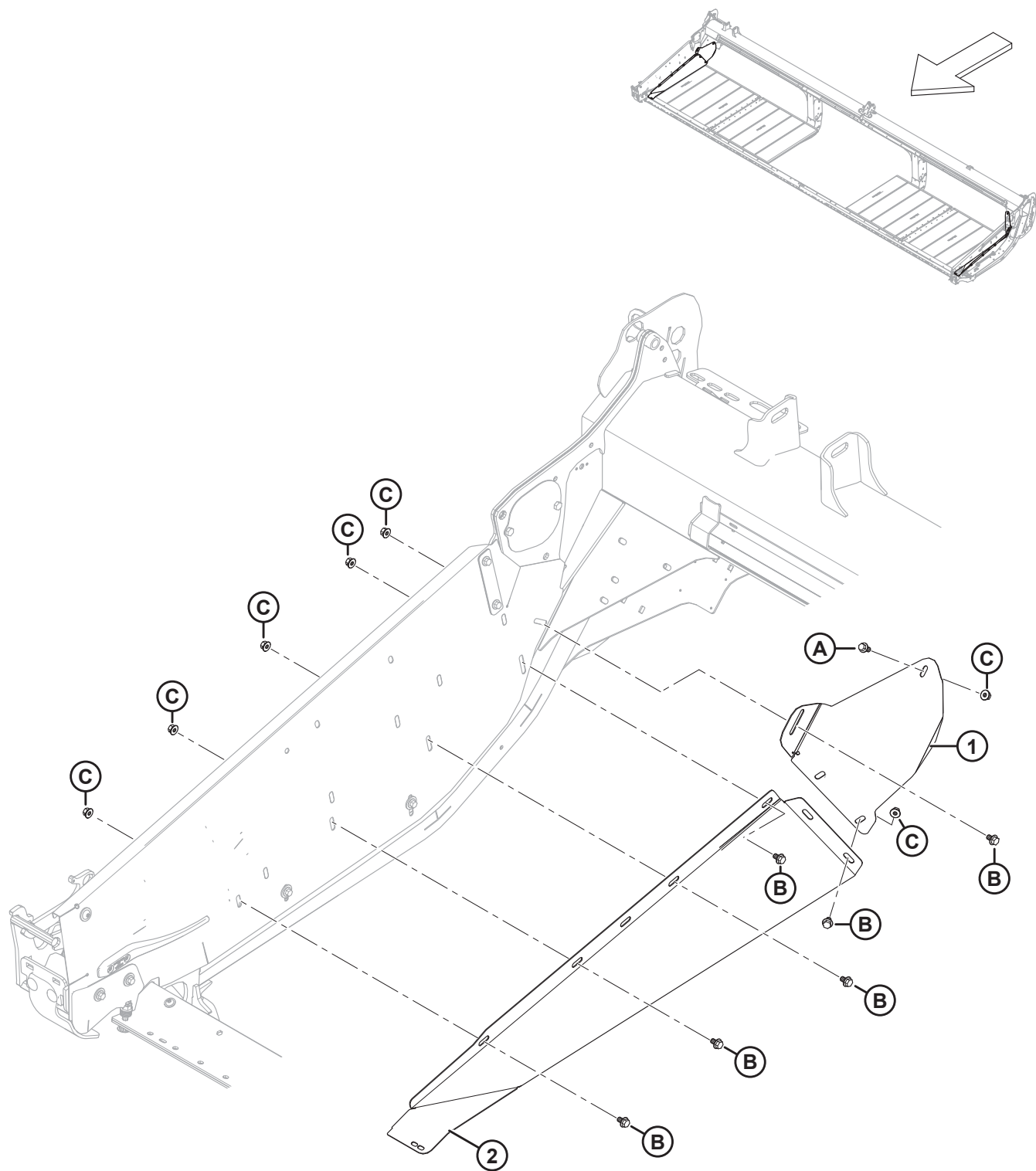
21 Draper – Seals (D241)



DRAPER – SEALS (D241)

Ref	Part Number	Description	Qty	Serial Number
1	319431	PLATE – CBAR SEAL MIDDLE	6	
2	319429	PLATE – CBAR SEAL INCREMENTAL	2	
3	320448	RIVNUT – M8 X 1.25 HEX	37	
A	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		

22 Draper Deflectors – Narrow

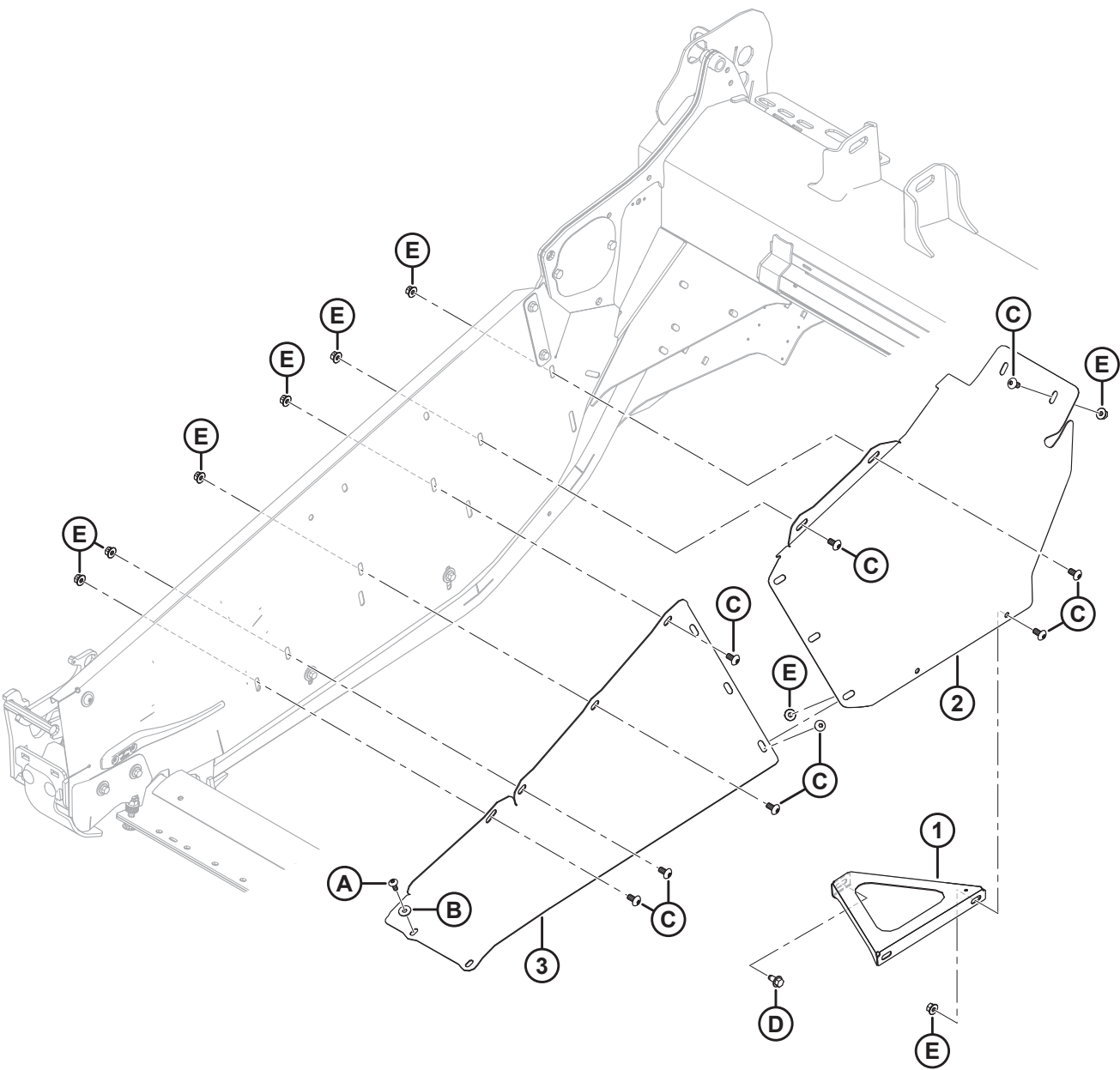
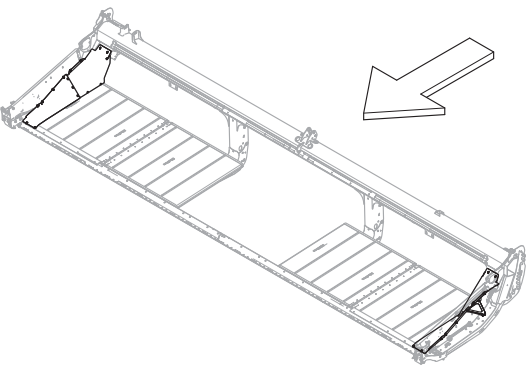


1040344

DRAPER DEFLECTORS – NARROW

Ref	Part Number	Description	Qty	Serial Number
1	360755	DEFLECTOR – RH NARROW REAR	1	
	360754	DEFLECTOR – LH NARROW REAR	1	
2	360521	DEFLECTOR – RH NARROW FRONT	1	
	360520	DEFLECTOR – LH NARROW FRONT	1	
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		

23 Draper Deflectors – Wide

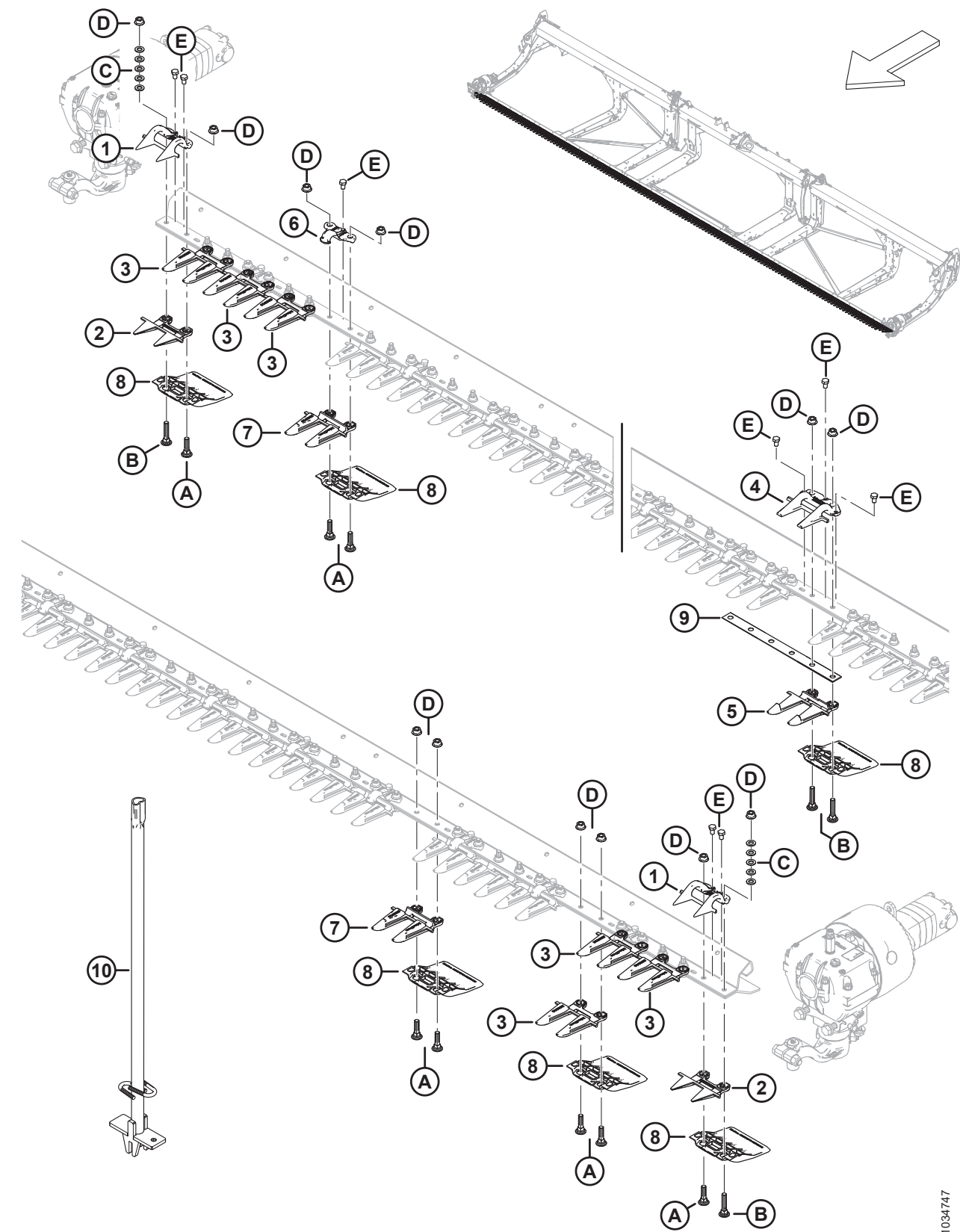


DRAPER DEFLECTORS – WIDE

Ref	Part Number	Description	Qty	Serial Number
	340274	KIT – WIDE DEFLECTOR ⁴²		
1	360770	GUSSET – RH WIDE DEFLECTOR	1	
	360769	GUSSET – LH WIDE DEFLECTOR	1	
2	360760	DEFLECTOR – RH WIDE REAR	1	
	360759	DEFLECTOR – LH WIDE REAR	1	
3	360758	DEFLECTOR – RH WIDE FRONT	1	
	360757	DEFLECTOR – LH WIDE FRONT	1	
A	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		
C	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
D	136209	SCREW – HEX WASHER HD M10 X 1.5 X 20-SPCL-450HV		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

42. The Wide Deflector kit (MD #340274) is recommended for windrowing end delivery operation in heavy crop conditions to keep the windrow away from the uncut crop. The Wide Deflector kit is **NOT** compatible with lodged crop reel fingers. Kit includes all listed parts and instructions.

24 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (D225, D230, and D235)



1034747

GUARDS, HOLD-DOWNS, AND CUTTERBAR SHOES – DOUBLE KNIFE, POINTED (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
	286661	KIT – POINTED GUARDS 25 FT DK ⁴³	A/R	
	286662	KIT – POINTED GUARDS 30 FT DK ⁴⁴	A/R	
	286663	KIT – POINTED GUARDS 35 FT DK ⁴⁵	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 ⁴⁶		
7	286315	KNIFE GUARD – POINTED ⁴⁷		
8	286257	SHOE – WEARPLATE CUTTERBAR ⁴⁸		
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		

43. The kit includes 41 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).

44. The kit includes 51 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).

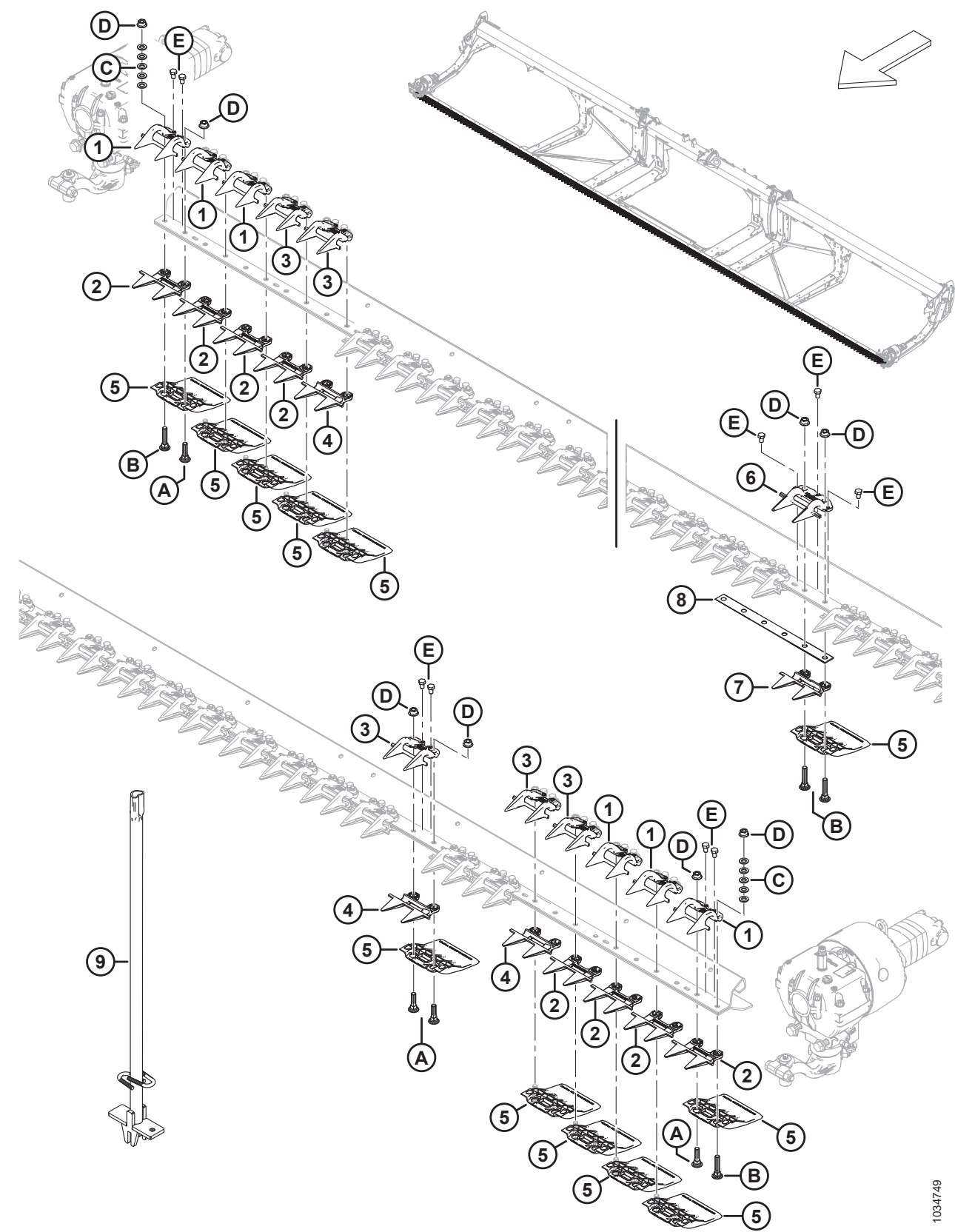
45. The kit includes 61 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).

46. Quantities: D225 = 45, D230 = 55, and D235 = 65.

47. Quantities: D225 = 41, D230 = 51, and D235 = 61.

48. Quantities: D225 = 50, D230 = 60, and D235 = 70.

25 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (D215, D220, D225, D230, D235, and D241)

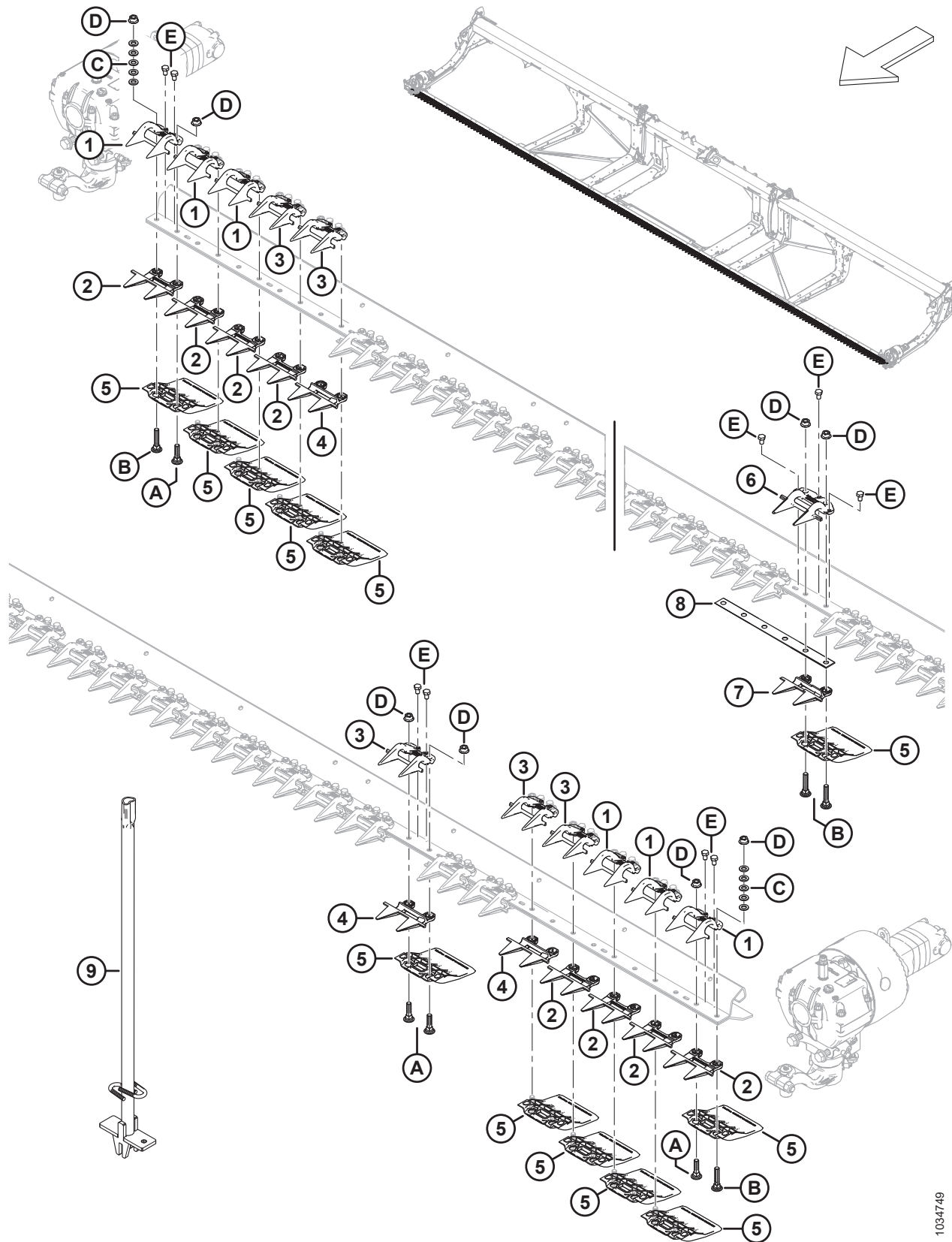


GUARDS, HOLD-DOWNS, AND CUTTERBAR SHOES – DOUBLE KNIFE, PLUGFREE™ (D215, D220, D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
	286833	KIT – PLUGFREE GUARDS 15 FT DK ⁴⁹	A/R	
	286834	KIT – PLUGFREE GUARDS 20 FT DK ⁵⁰	A/R	
	286672	KIT – PLUGFREE GUARDS 25 FT DK ⁵¹	A/R	
	286673	KIT – PLUGFREE GUARDS 30 FT DK ⁵²	A/R	
	286674	KIT – PLUGFREE GUARDS 35 FT DK ⁵³	A/R	
	286676	KIT – PLUGFREE GUARDS 41 FT DK ⁵⁴	A/R	
	319907	KIT – PLUGFREE GUARDS 15 FT DK (GSS) ⁵⁵	A/R	
	319908	KIT – PLUGFREE GUARDS 20 FT DK (GSS) ⁵⁶	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	6	
2	286319	KNIFE GUARD – PLUG FREE END	8	
	286911	KNIFE GUARD – PLUG FREE END (GSS) ⁵⁷		
3	286330	HOLD-DOWN – PLUG FREE ⁵⁸		
4	286318	KNIFE GUARD – PLUG FREE SHORT ⁵⁹		
	286910	KNIFE GUARD – PLUG FREE SHORT (GSS) ⁶⁰		
5	286257	SHOE – WEARPLATE CUTTERBAR ⁶¹		
6	286904	HOLD-DOWN – PLUG FREE CENTER ⁶²		
7	286320	KNIFE GUARD – PLUG FREE CENTER	1	
	286912	KNIFE GUARD – PLUG FREE CENTER (GSS) ⁵⁷		
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		

49. The kit includes 21 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
50. The kit includes 31 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
51. The kit includes 41 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
52. 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).
53. 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).
54. 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).
55. For grass seed applications. The kit includes 21 GSS PlugFree™ guards (MD #286190), 8 end guards (MD #286911), 1 center guard (MD #286912), and 1 center hold-down (MD #286904).
56. For grass seed applications. The kit includes 31 GSS PlugFree™ guards (MD #286190), 8 end guards (MD #286911), 1 center guard (MD #286912), and 1 center hold-down (MD #286904).
57. For grass seed applications.
58. Quantities: D215 = 23, D220 = 33, D225 = 43, D230 = 53, D235 = 63, and D241 = 75.
59. Quantities: D215 = 21, D220 = 31, D225 = 41, D230 = 51, D235 = 61, and D241 = 73.
60. For grass seed applications. Quantities: D215 = 21, D220 = 31, D225 = 41, D230 = 51, D235 = 61, and D241 = 73.
61. Quantities: D215 = 30, D220 = 40, D225 = 50, D230 = 60, D235 = 70, and D241 = 82.
62. Hold-down MD #286904 is also compatible with grass seed headers.

GUARDS, HOLD-DOWNS, AND CUTTERBAR SHOES – DOUBLE KNIFE, PLUGFREE™ (D215, D220, D225, D230, D235, AND D241)

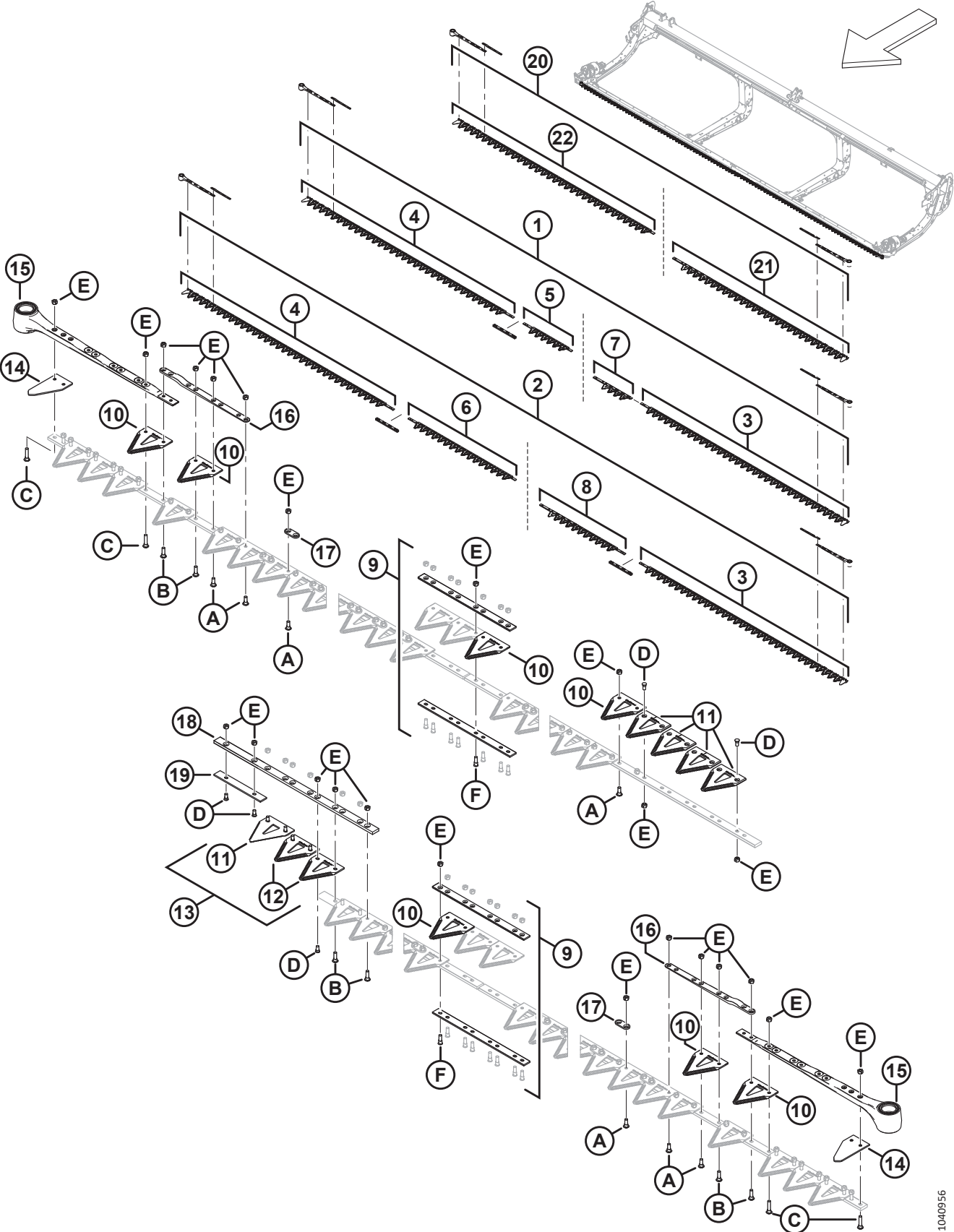


1034749

**GUARDS, HOLD-DOWNS, AND CUTTERBAR SHOES – DOUBLE KNIFE, PLUGFREE™ (D215, D220, D225, D230, D235,
AND D241)**

Ref	Part Number	Description	Qty	Serial Number
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		

26 Knives – Double-Knife Headers (D215, D220, and D225)



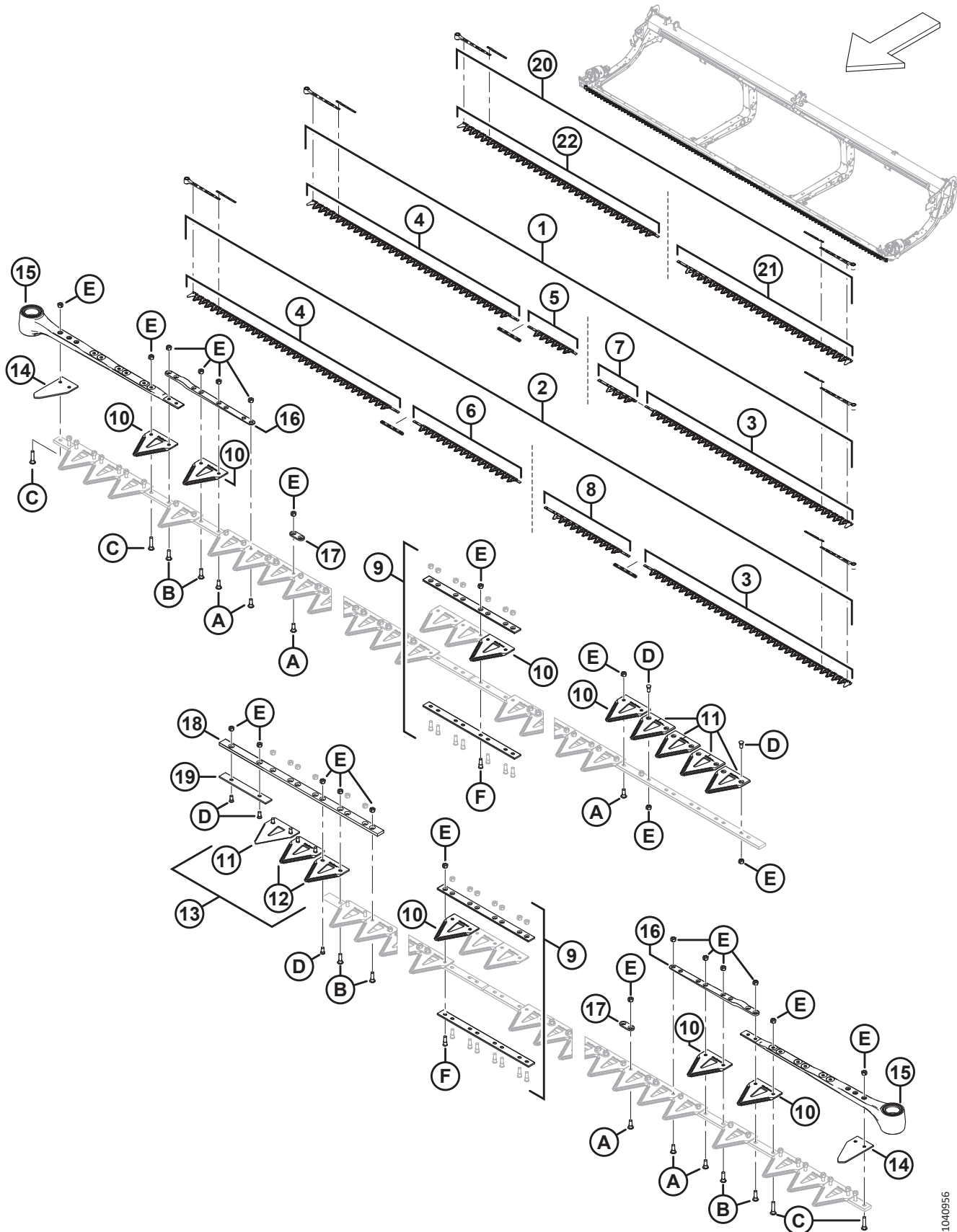
1040956

KNIVES – DOUBLE-KNIFE HEADERS (D215, D220, AND D225)

Ref	Part Number	Description	Qty	Serial Number
1	286757	KIT – KNIFE 20 FT DK FINE ⁶³	1	
	286754	KIT – KNIFE 20 FT DK COARSE ⁶⁴	1	
	286784	KIT – KNIFE 20 FT DK ULTRA COARSE ⁶⁵	OPT	
2	286614	KIT – KNIFE 25 FT DK FINE ⁶⁶	1	
	286602	KIT – KNIFE 25 FT DK COARSE ⁶⁷	1	
	286785	KIT – KNIFE 25 FT DK ULTRA COARSE ⁶⁸	OPT	
3	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM ⁶⁹	1	
	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM ⁶⁹	1	
	286759	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM ⁶⁹	OPT	
4	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM ⁶⁹	1	
	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM ⁶⁹	1	
	286758	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM ⁶⁹	OPT	
5	286869	KNIFE – TAIL SEGMENT RH FINE 623 MM ⁷⁰		
	286864	KNIFE – TAIL SEGMENT RH COARSE 623 MM ⁷⁰		
	286874	KNIFE – TAIL SEGMENT RH ULTRA COARSE 623 MM ⁷⁰		
6	286870	KNIFE – TAIL SEGMENT RH FINE 1385 MM ⁷¹		
	286865	KNIFE – TAIL SEGMENT RH COARSE 1385 MM ⁷¹		
	286875	KNIFE – TAIL SEGMENT RH ULTRA COARSE 1385 MM ⁷¹		
7	286749	KNIFE – TAIL SEGMENT LH FINE 485 MM ⁷⁰		
	286744	KNIFE – TAIL SEGMENT LH COARSE 485 MM ⁷⁰		
	286765	KNIFE – TAIL SEGMENT LH ULTRA COARSE 485 MM ⁷⁰		
8	286590	KNIFE – TAIL SEGMENT LH FINE 1094 MM ⁷¹		
	286573	KNIFE – TAIL SEGMENT LH COARSE 1094 MM ⁷¹		
	286766	KNIFE – TAIL SEGMENT LH ULTRA COARSE 1094 MM ⁷¹		
9	286493	KIT – KNIFE SPLICE ⁷²		

63. The kit includes one ClearCut™ fine section, 25 pack (MD #286462), one knife splice kit (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one RH tail fine knife segment (MD #286869), and one LH tail fine knife segment (MD #286749).
64. The kit includes one ClearCut™ coarse section, 25 pack (MD #286461), one knife splice kit (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), one RH tail coarse knife segment (MD #286864), and one LH tail coarse knife segment (MD #286744).
65. The kit includes one ClearCut™ ultra coarse section, 25 pack (MD #286627), one knife splice kit (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), one RH tail ultra coarse knife segment (MD #286874), and one LH tail ultra coarse knife segment (MD #286765).
66. The kit includes one ClearCut™ fine section, 25 pack (MD #286462), two knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one RH tail fine knife segment (MD #286870), and one LH tail fine knife segment (MD #286590).
67. The kit includes one ClearCut™ coarse section, 25 pack (MD #286461), two knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), one RH tail coarse knife segment (MD #286865), and one LH tail coarse knife segment (MD #286573).
68. The kit includes one ClearCut™ ultra coarse section, 25 pack (MD #286627), two knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), one RH tail ultra coarse knife segment (MD #286875), and one LH tail ultra coarse knife segment (MD #286766).
69. D220 and D225 only.
70. Quantities: D220 = 1 and D225 = 0.
71. Quantities: D220 = 0 and D225 = 1.
72. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259). Quantities: D215 = 0, D220 = 1, and D225 = 2.

KNIVES – DOUBLE-KNIFE HEADERS (D215, D220, AND D225)



1040956

KNIVES – DOUBLE-KNIFE HEADERS (D215, D220, AND D225)

Ref	Part Number	Description	Qty	Serial Number
10	286462	SECTION – CLEARCUT FINE (25 PACK) ⁷³		
	286461	SECTION – CLEARCUT COARSE (25 PACK) ⁷³		
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) ⁷³	OPT	
11	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) ⁷⁴		
	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) ⁷⁴		
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) ⁷⁴	OPT	
12	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) ⁷⁵		
	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) ⁷⁵		
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) ⁷⁵	OPT	
13	286862	KIT – CLEARCUT FINE CENTER ⁷⁶	A/R	
	286861	KIT – CLEARCUT COARSE CENTER ⁷⁷	A/R	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER ⁷⁸	OPT	
14	226983	SECTION – END	2	
15	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	
16	286440	BAR – FORGED	1	
17	286481	BAR – REINFORCEMENT (25 PACK)		
18	286362	BAR – KNIFE OVERLAP GUIDE	1	
19	286363	BAR – WEAR	1	
20	286756	KIT – KNIFE 15 FT DK FINE ⁷⁹	1	
	286753	KIT – KNIFE 15 FT DK COARSE ⁸⁰	1	
	286783	KIT – KNIFE 15 FT DK ULTRA COARSE ⁸¹	OPT	
21	286881	KNIFE – DK FINE 15 FT LH SERVICE ⁸²	1	
	286880	KNIFE – DK COARSE 15 FT LH SERVICE ⁸²	1	
	286884	KNIFE – DK ULTRA COARSE 15 FT LH SERVICE ⁸²	OPT	
22	286882	KNIFE – DK FINE 15 FT RH SERVICE ⁸²	1	
	286879	KNIFE – DK COARSE 15 FT RH SERVICE ⁸²	1	
	286883	KNIFE – DK ULTRA COARSE 15 FT RH SERVICE ⁸²	OPT	

73. Quantities (individual sections); D215 = 59, D220 = 79, and D225 = 99.

74. Quantities (individual sections); D215 = 5, D220 = 5, and D225 = 5.

75. Quantities (individual sections); D215 = 2, D220 = 2, and D225 = 2.

76. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.

77. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.

78. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.

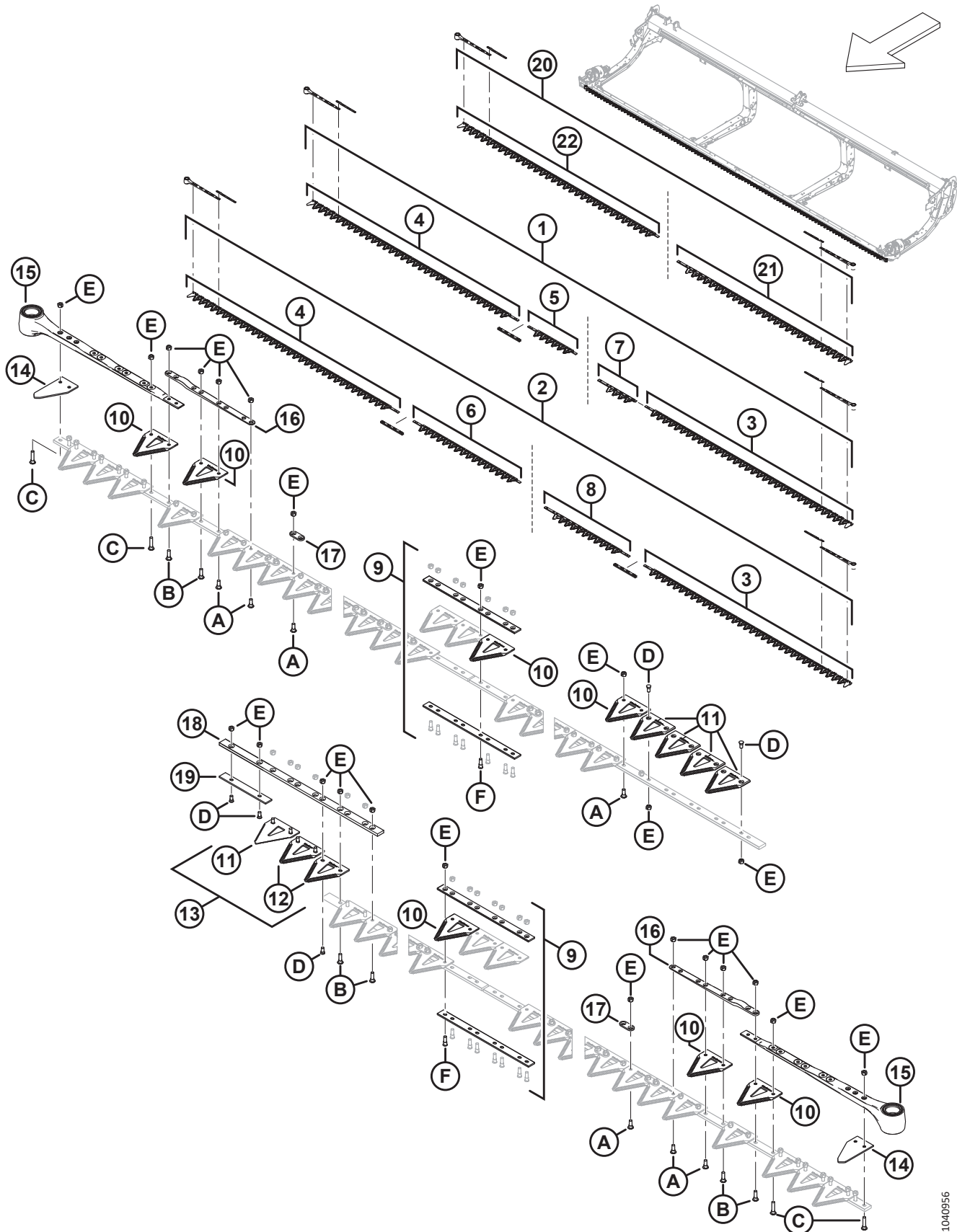
79. The kit includes one RH fine knife (MD #286881) and one LH fine knife (MD #286882).

80. The kit includes one RH coarse knife (MD #286879) and one LH coarse knife (MD #286880).

81. The kit includes one RH ultra coarse knife (MD #286883) and one LH ultra coarse knife (MD #286884).

82. D215 only.

KNIVES – DOUBLE-KNIFE HEADERS (D215, D220, AND D225)

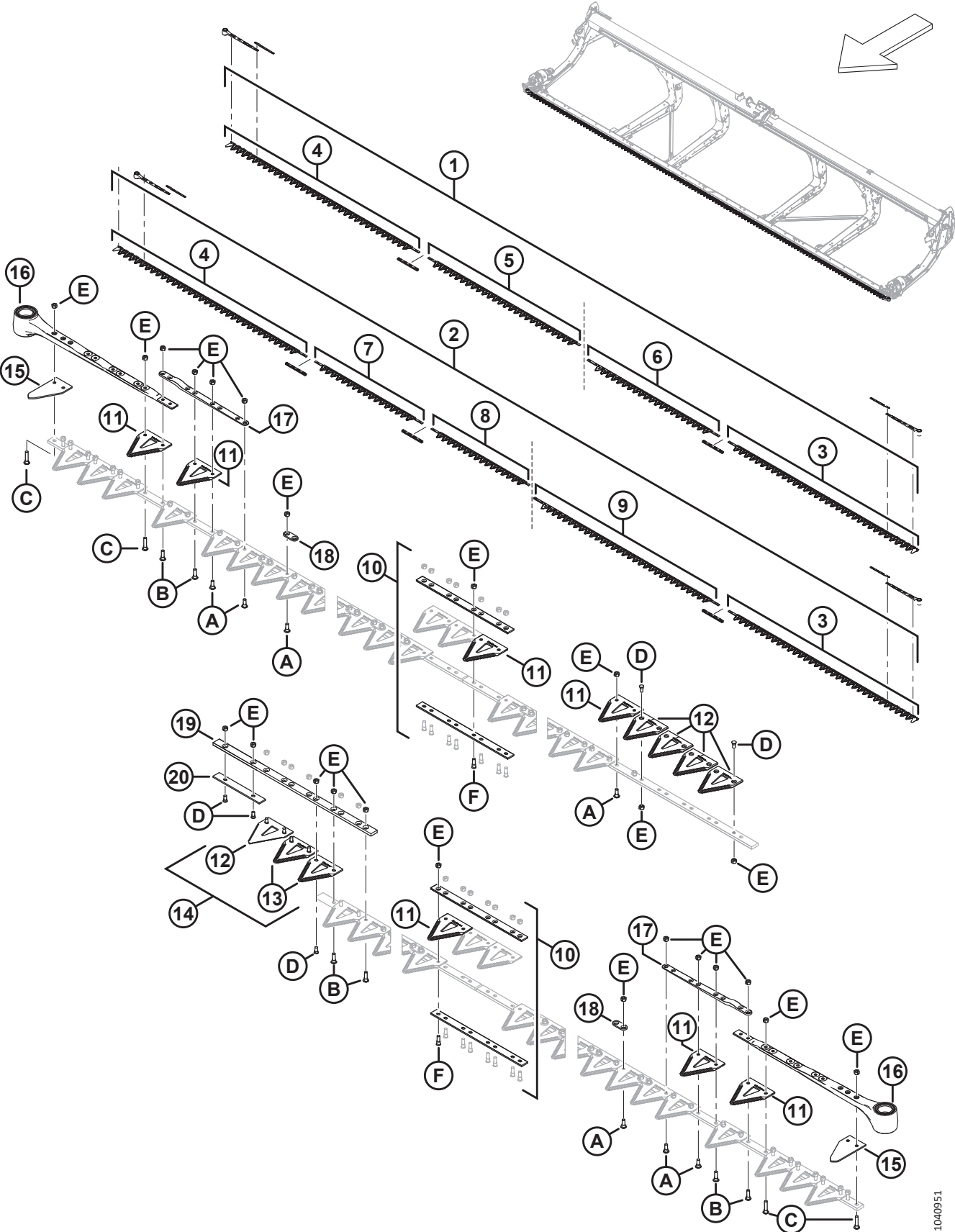


1040956

KNIVES – DOUBLE-KNIFE HEADERS (D215, D220, AND D225)

Ref	Part Number	Description	Qty	Serial Number
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)		

27 Knives – Double-Knife Headers (D230 and D235)



1040951

KNIVES – DOUBLE-KNIFE HEADERS (D230 AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	286885	KIT – KNIFE 30 FT DK COARSE ⁸³	1	
	286615	KIT – KNIFE 30 FT DK FINE ⁸⁴	1	
	286786	KIT – KNIFE 30 FT DK ULTRA COARSE ⁸⁵	OPT	
2	286886	KIT – KNIFE 35 FT DK COARSE ⁸⁶	1	
	286616	KIT – KNIFE 35 FT DK FINE ⁸⁷	1	
	286787	KIT – KNIFE 35 FT DK ULTRA COARSE ⁸⁸	OPT	
3	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	1	
	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	1	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
5	286866	KNIFE – TAIL SEGMENT RH COARSE 2147 MM ⁸⁹		
	286871	KNIFE – TAIL SEGMENT RH FINE 2147 MM ⁸⁹		
	286876	KNIFE – TAIL SEGMENT RH ULTRA COARSE 2147 MM ⁸⁹	OPT	
6	286574	KNIFE – TAIL SEGMENT LH COARSE 1856 MM ⁸⁹		
	286591	KNIFE – TAIL SEGMENT LH FINE 1856 MM ⁸⁹		
	286767	KNIFE – TAIL SEGMENT LH ULTRA COARSE 1856 MM ⁸⁹	OPT	
7	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM ⁹⁰		
	286582	KNIFE – CENTER SEGMENT FINE 1520 MM ⁹⁰		
	286761	KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM ⁹⁰	OPT	
8	286865	KNIFE – TAIL SEGMENT RH COARSE 1385 MM ⁹⁰		
	286870	KNIFE – TAIL SEGMENT RH FINE 1385 MM ⁹⁰		
	286875	KNIFE – TAIL SEGMENT RH ULTRA COARSE 1385 MM ⁹⁰	OPT	

83. The kit includes one ClearCut™ coarse section, 25 pack (MD #286461), two knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), one RH tail coarse knife segment (MD #286866), and one LH tail coarse knife segment (MD #286574).

84. The kit includes one ClearCut™ fine section, 25 pack (MD #286462), two knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one RH tail fine knife segment (MD #286871), and one LH tail fine knife segment (MD #286591).

85. The kit includes one ClearCut™ ultra coarse section, 25 pack (MD #286627), two knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), one RH tail ultra coarse knife segment (MD #286876), and one LH tail ultra coarse knife segment (MD #286767).

86. The kit includes one ClearCut™ coarse section, 25 pack (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).

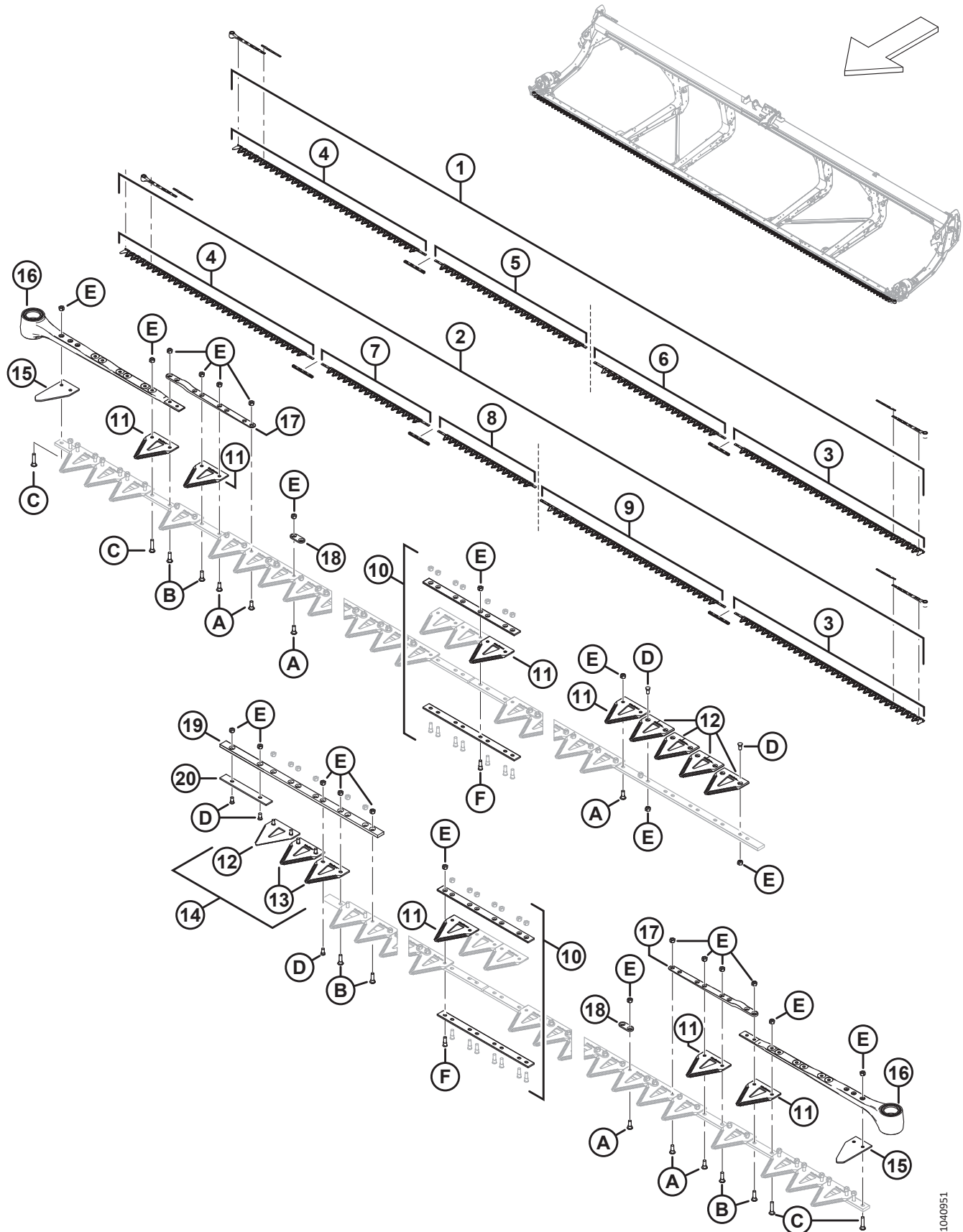
87. The kit includes one ClearCut™ fine section, 25 pack (MD #286462), three knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one center fine knife segment (MD #286582), one RH tail fine knife segment (MD #286870), and one LH tail fine knife segment (MD #286592).

88. The kit includes one ClearCut™ ultra coarse section, 25 pack (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).

89. Quantities: D230 = 1 and D235 = 0.

90. Quantities: D230 = 0 and D235 = 1.

KNIVES – DOUBLE-KNIFE HEADERS (D230 AND D235)



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KNIVES – DOUBLE-KNIFE HEADERS (D230 AND D235)

Ref	Part Number	Description	Qty	Serial Number
9	286575	KNIFE – TAIL SEGMENT LH COARSE 2618 MM ⁹⁰		
	286592	KNIFE – TAIL SEGMENT LH FINE 2618 MM ⁹⁰		
	286768	KNIFE – TAIL SEGMENT LH ULTRA COARSE 2618 MM ⁹⁰	OPT	
10	286493	KIT – KNIFE SPLICE ⁹¹		
11	286461	SECTION – CLEARCUT COARSE (25 PACK) ⁹²		
	286462	SECTION – CLEARCUT FINE (25 PACK) ⁹²		
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) ⁹²	OPT	
12	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) ⁹³		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) ⁹³		
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) ⁹³	OPT	
13	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) ⁹⁴		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) ⁹⁴		
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK)	OPT	
14	286861	KIT – CLEARCUT COARSE CENTER ^{94 95}		
	286862	KIT – CLEARCUT FINE CENTER ⁹⁶		
	286863	KIT – CLEARCUT ULTRA COARSE CENTER ⁹⁷	OPT	
15	226983	SECTION – END	2	
16	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	
17	286440	BAR – FORGED	1	
18	286481	BAR – REINFORCEMENT (25 PACK)		
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)		
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)		

91. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259). Quantities: D230 = 2 and D235 = 3.

92. Quantities (individual sections): D230 = 119 and D235 = 139.

93. Quantities (individual sections): D230 = 5 and D235 = 5.

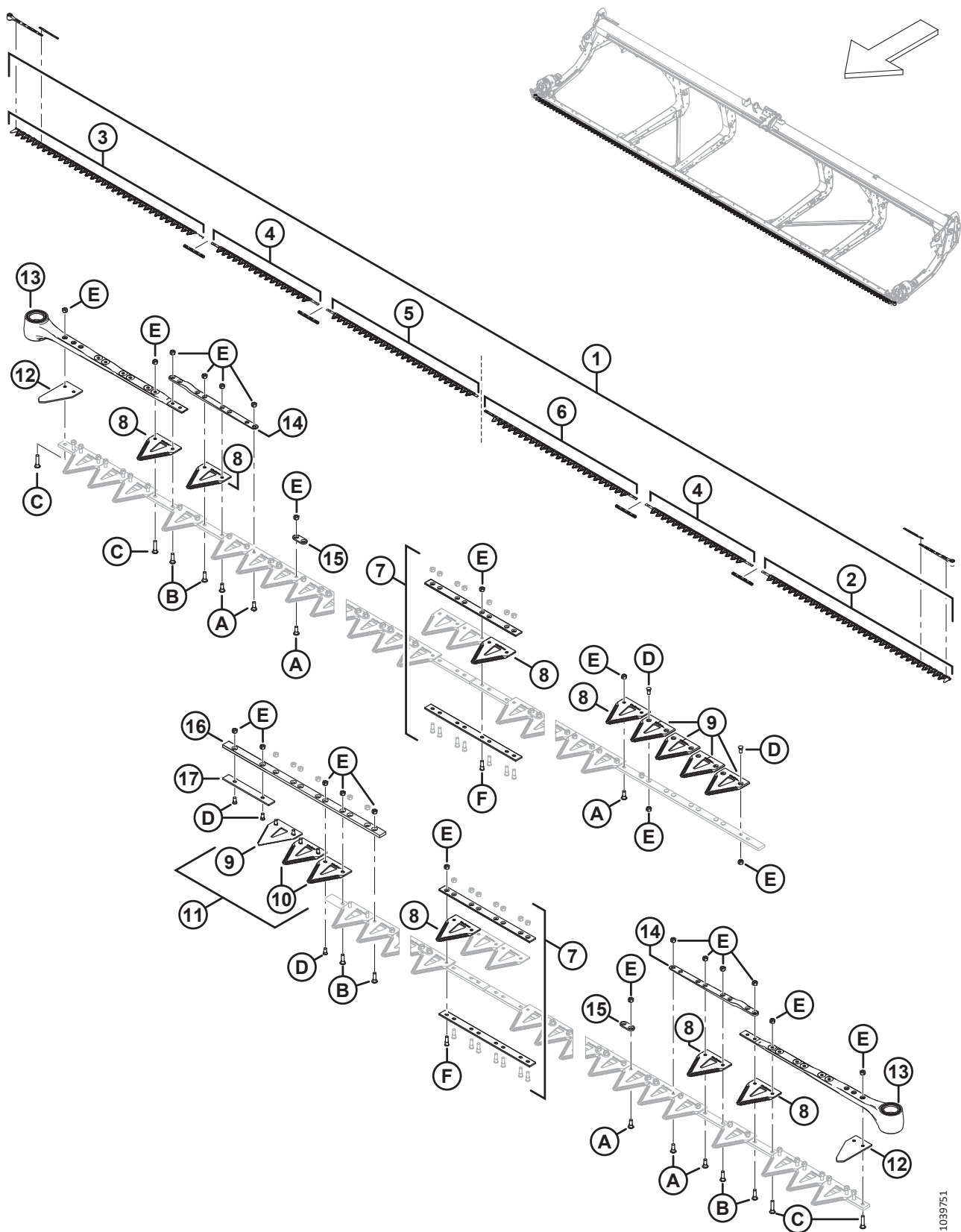
94. Quantities (individual sections): D230 = 2 and D235 = 2

95. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.

96. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.

97. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.

28 Knives – Double-Knife Headers (D241)



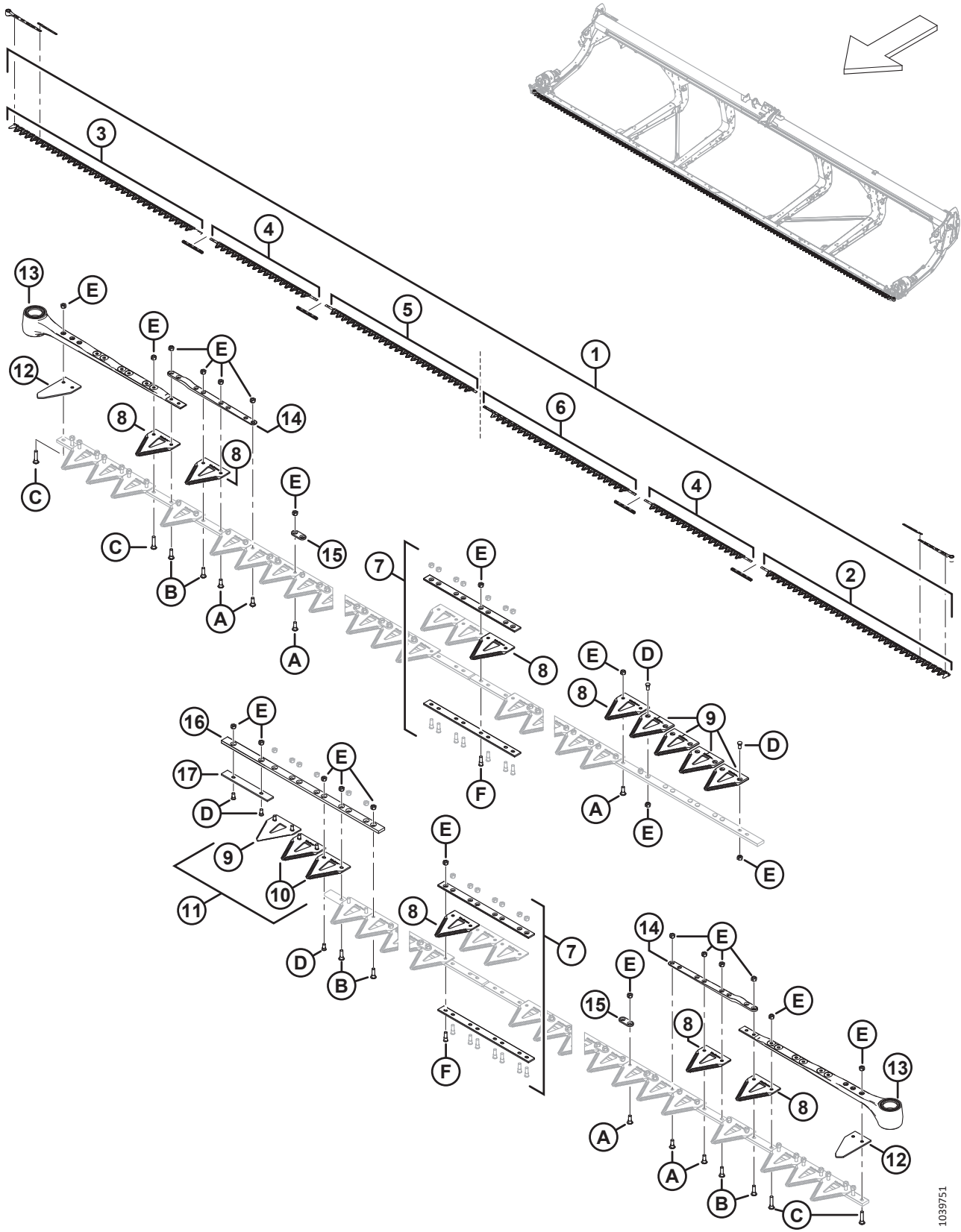
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KNIVES – DOUBLE-KNIFE HEADERS (D241)

Ref	Part Number	Description	Qty	Serial Number
1	286888	KIT – KNIFE 41 FT DK COARSE ⁹⁸	1	
	286618	KIT – KNIFE 41 FT DK FINE ⁹⁹	OPT	
	286789	KIT – KNIFE 41 FT DK ULTRA COARSE ¹⁰⁰	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 ¹⁰¹	4	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) ¹⁰²		
	286462	SECTION – CLEARCUT FINE (25 PACK) ¹⁰²	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) ¹⁰²	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) ¹⁰³		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) ¹⁰³	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) ¹⁰³	OPT	
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) ¹⁰⁴		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) ¹⁰⁴	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) ¹⁰⁴	OPT	

98. 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).
99. 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).
100. 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).
101. 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.
102. Quantities (individual sections): 163. Sections are sold in packs of 25 only.
103. Quantities (individual sections): 5. Sections are sold in packs of 10 only.
104. Quantities (individual sections): 2. Sections are sold in packs of 10 only.

KNIVES – DOUBLE-KNIFE HEADERS (D241)



1039751

KNIVES – DOUBLE-KNIFE HEADERS (D241)

Ref	Part Number	Description	Qty	Serial Number
11	286861	KIT – CLEARCUT COARSE CENTER ¹⁰⁵	A/R	
	286862	KIT – CLEARCUT FINE CENTER ¹⁰⁶	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER ¹⁰⁷	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) ¹⁰⁸		
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)		

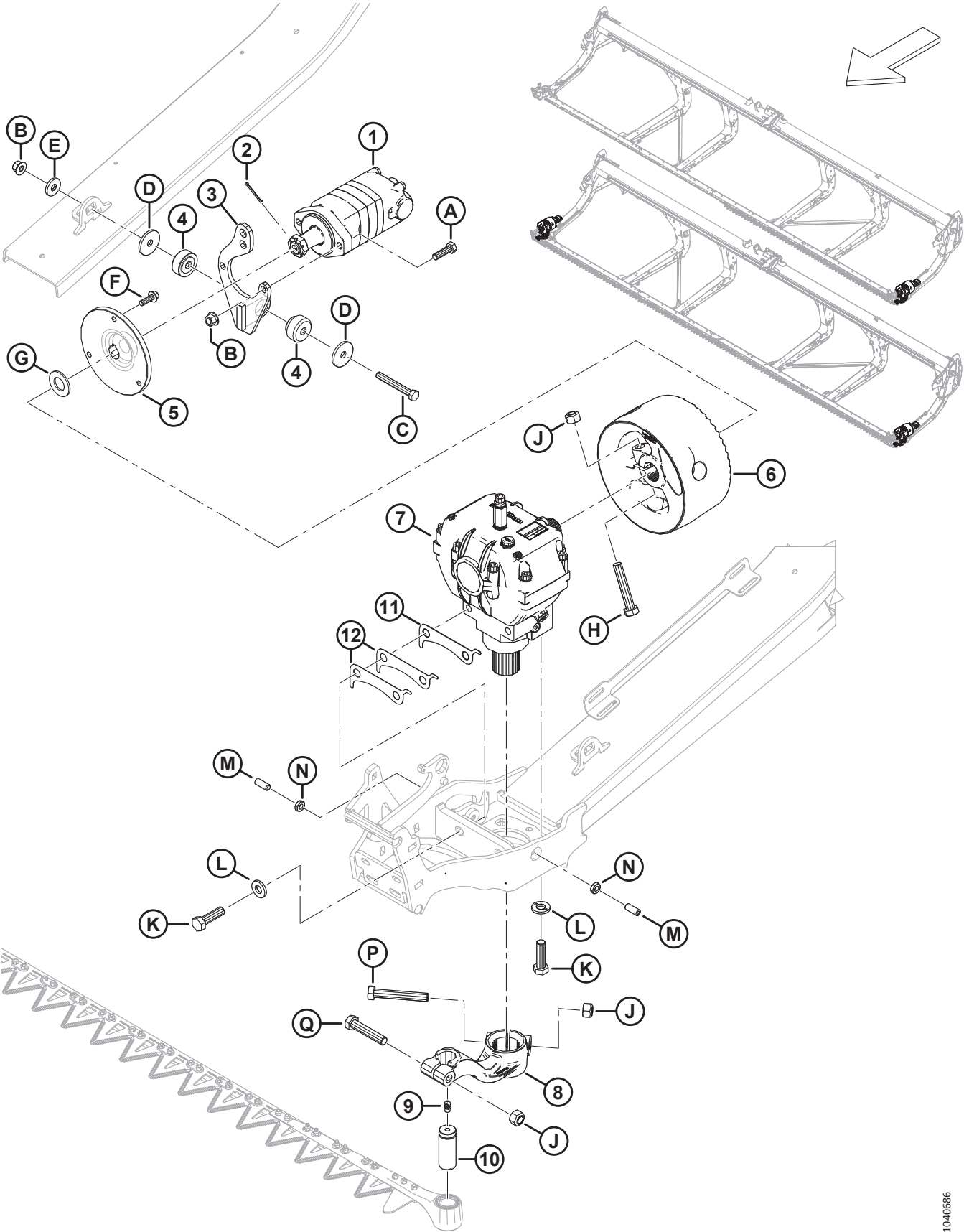
105. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.

106. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.

107. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.

108. Quantities (individual bars): 88. Reinforcement bars are sold in packs of 25 only.

29 Knife Drive – Double Knife



KNIFE DRIVE – DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
1	283002	MOTOR – EATON 2000 100 CC ¹⁰⁹	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 ¹¹⁰	1	
5	286087	HUB – MACHINED	1	
6	286703	FLYWHEEL – KNIFE DRIVE C/W DECAL	1	
7	286089	DRIVE – KNIFE ¹¹¹	1	
8	226926	ARM – LH KNIFE DRIVE C/W DECAL	1	
	226927	ARM – RH KNIFE DRIVE C/W DECAL (DOUBLE KNIFE ONLY) ¹¹²	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 ¹¹³		
12	360870	SHIM – KNIFE DRIVE BOX, 0.6 MM ¹¹³		
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 30 ¹¹⁴	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	

109. Motor includes seal kit (MD #174304), key, and slotted nut (MD #137375).

110. The rubber bushing (MD #143107) includes both halves shown in the illustration.

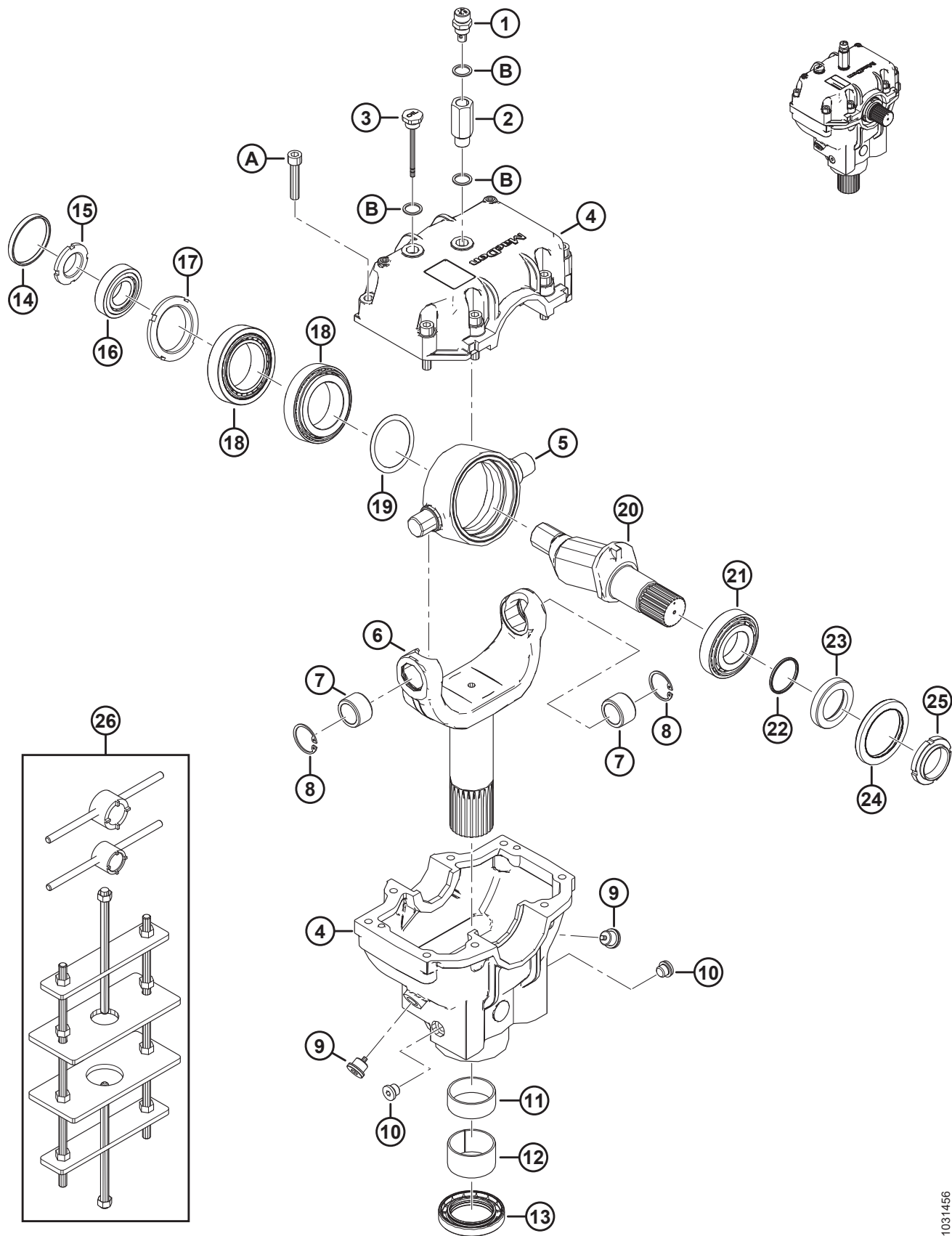
111. For repair parts, refer to Section [30 Knife Drive Box, page 69](#).

112. Double-knife headers only.

113. 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]).

114. 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.

30 Knife Drive Box



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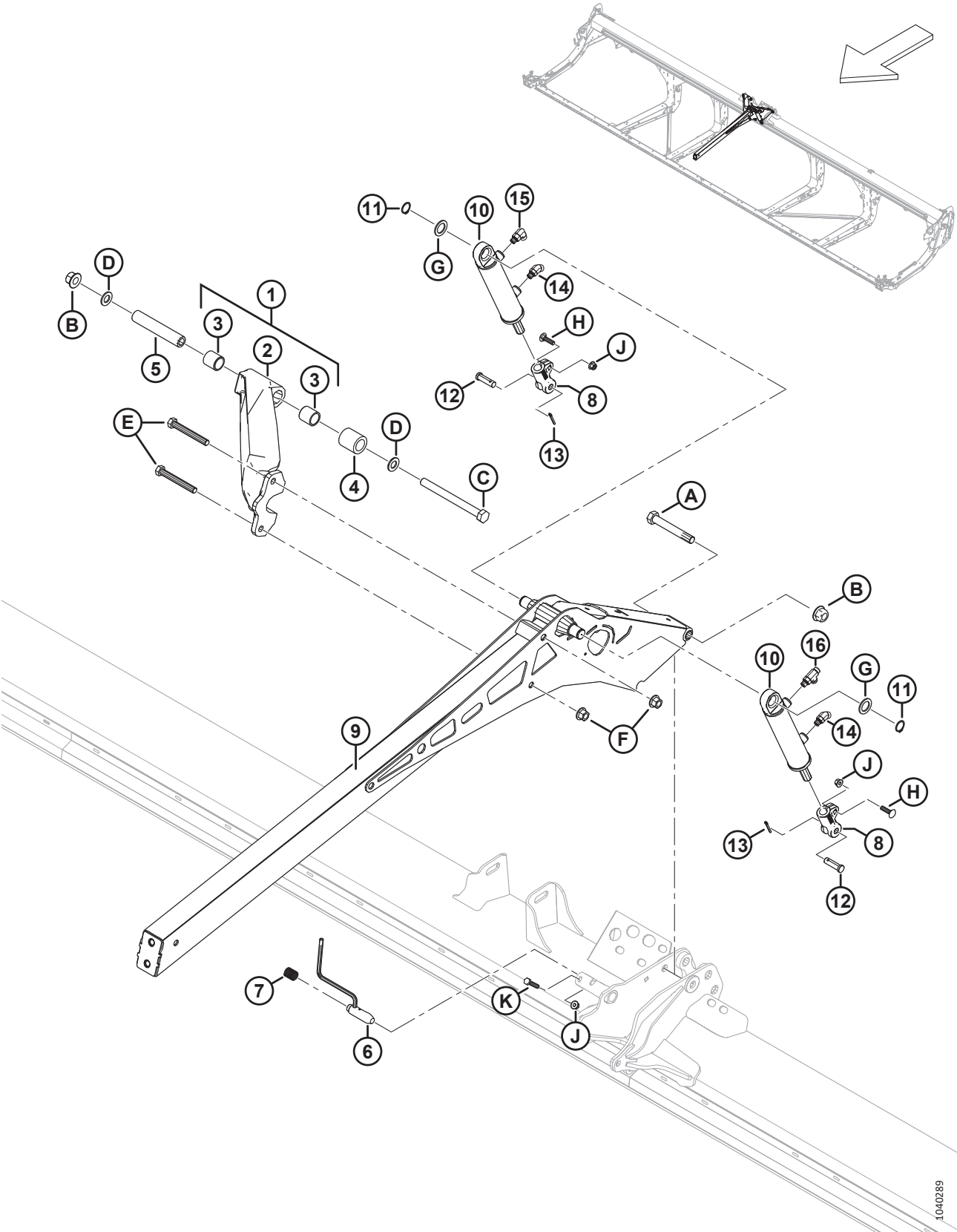
KNIFE DRIVE BOX

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 ¹¹⁵	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	ASSEMBLY – 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 ¹¹⁶	A/R	
A	113153	SCREW – HEX SOC HD M10 X 1.5 X 50-8.8-BO		
B	257054	WASHER – COPPER		

115. The knife drive box casting includes top and bottom knife drive box castings and eight screws (MD #113153).

116. The kit includes large socket tool, small socket tool, and wobble box jig frame.

31 Reel Support Arm and Lift Cylinders – Center Arm, Double Reel



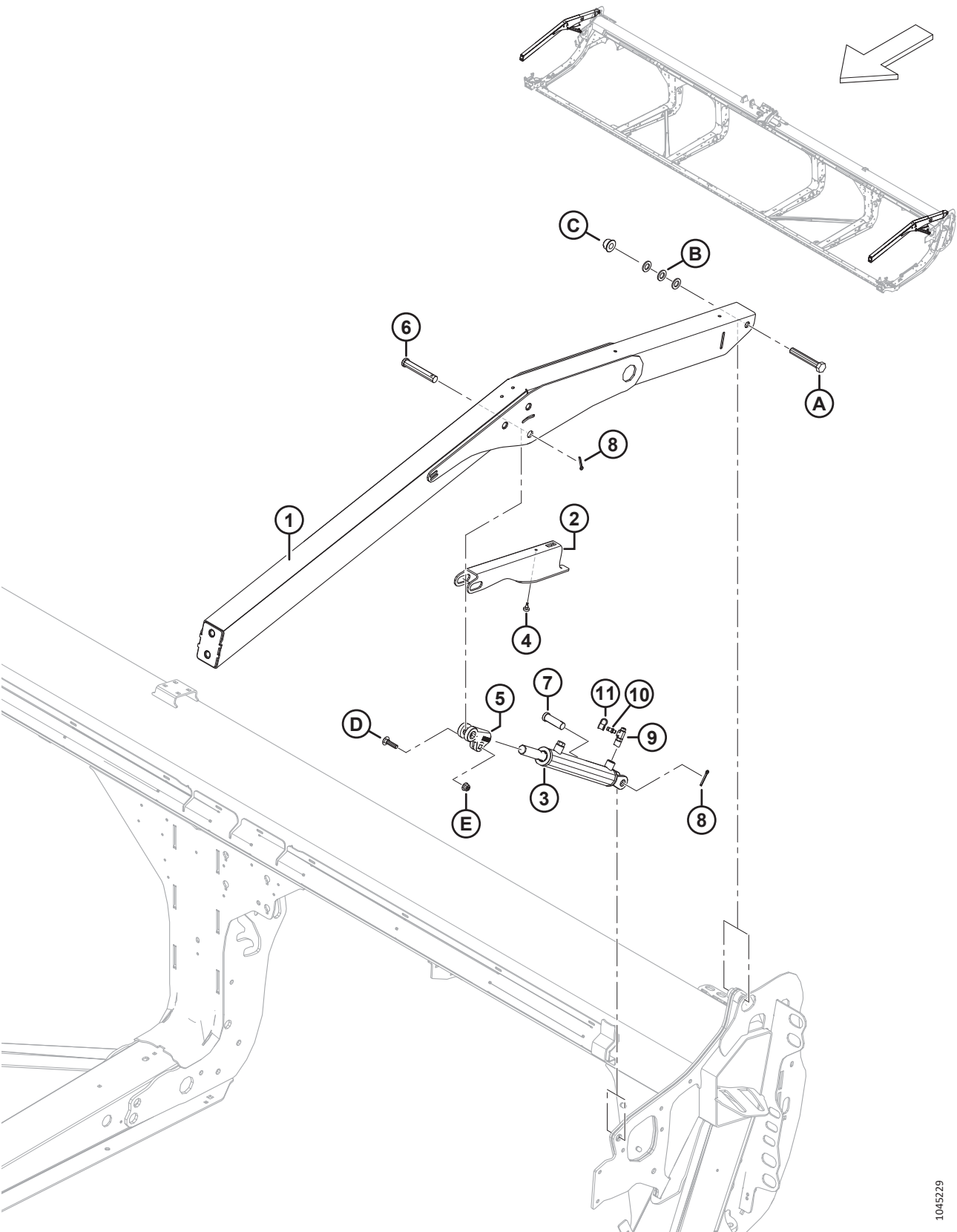
REEL SUPPORT ARM AND LIFT CYLINDERS – CENTER ARM, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	311627	BRACE – SUB ASSY C/W BUSHINGS ¹¹⁷	1	
2	NSS	BRACE – MACHINED ¹¹⁸	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	
14	136144	FITTING – ELBOW 45° HYD	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
15	136095	FITTING – ELBOW 90° HYD	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
16	136240	FITTING – TEE HYD	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
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		

117. Includes machined brace (NSS) and two bushings (MD #311613).

118. Not sold separately; to service this part, order brace assembly complete with bushings (MD #311627).

32 Reel Support Arm and Lift Cylinders – Outer Arms, Double Reel



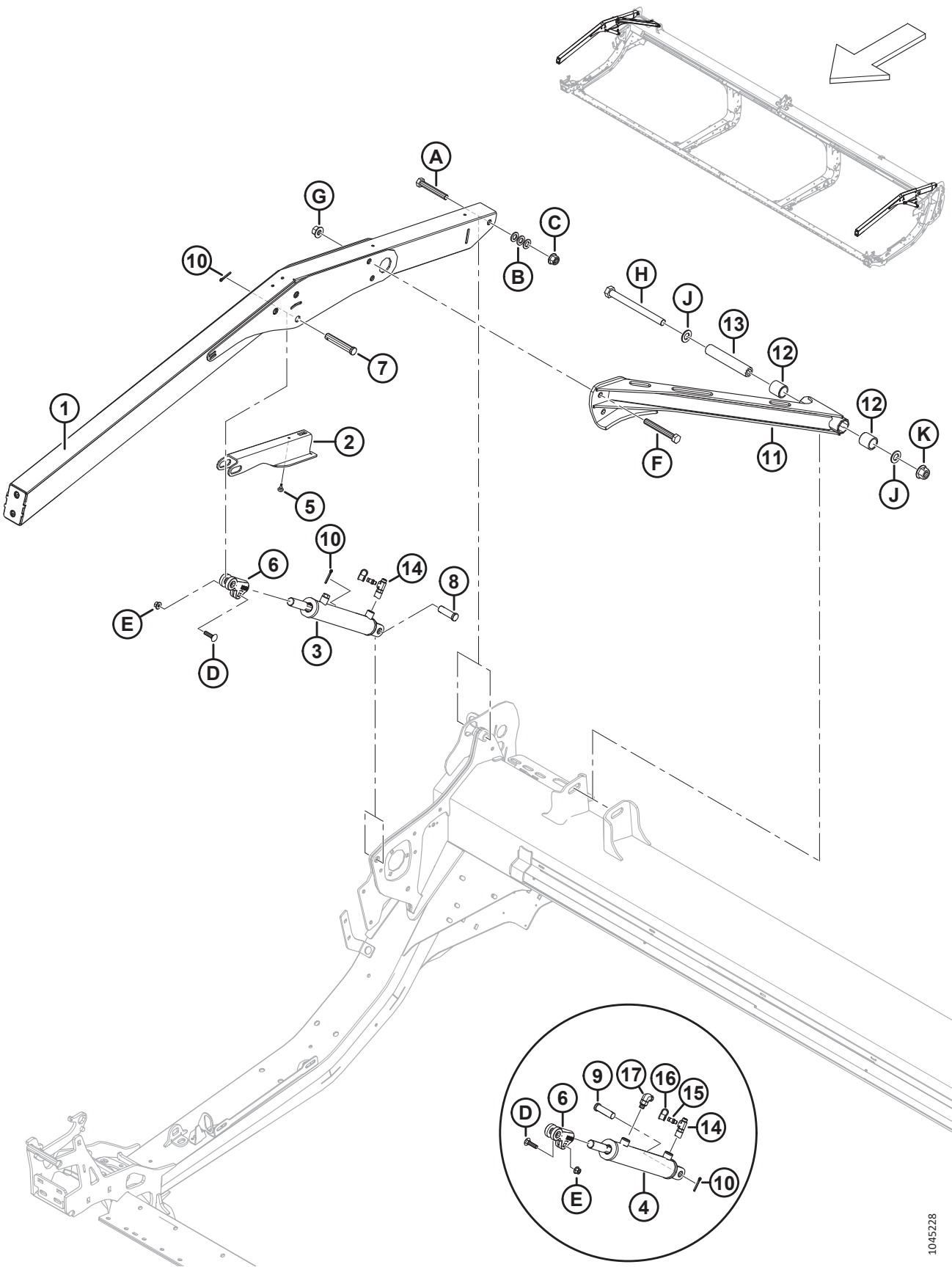
1045229

REEL SUPPORT ARM AND LIFT CYLINDERS – OUTER ARMS, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	311949	ARM – OUTER W/ DECAL ¹¹⁹	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	
9	320554	FITTING – TEE HYD, GAUGE PORT	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
10	134437	FITTING – COUPLING HYD, TEST PORT	1	
11	136900	CAP – DUST	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		

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

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



1045228

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 ¹²⁰	2	
2	340191	SUPPORT – REEL PROP	2	
3	273788	CYLINDER – HYD (RH) ¹²¹	1	
	323687	SEAL KIT		
	174879	BREATHER – ORB #6		
4	273789	CYLINDER – HYD (LH) ¹²¹	1	
	323688	SEAL KIT		
5	273653	BUMPER – RUBBER	2	
6	228338	CLEVIS – CYL END MACHINED	2	
7	18629	PIN – CLEVIS	2	
8	18626	PIN – CLEVIS (RH) ¹²²	1	
9	322970	PIN – CLEVIS 3/4 X 1-31/32 (LH) ¹²²	1	
10	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
11	340648	BRACE – SR W/ BUSHINGS ¹²³	1	
12	311613	BUSHING	2	
13	311611	TUBE – PIVOT REEL BRACE	1	
14	320554	FITTING – TEE HYD, GAUGE PORT	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
15	134437	FITTING – COUPLING HYD, TEST PORT	1	
16	136900	CAP – DUST	1	
17	136095	FITTING – ELBOW 90° HYD ¹²⁴	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
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		

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

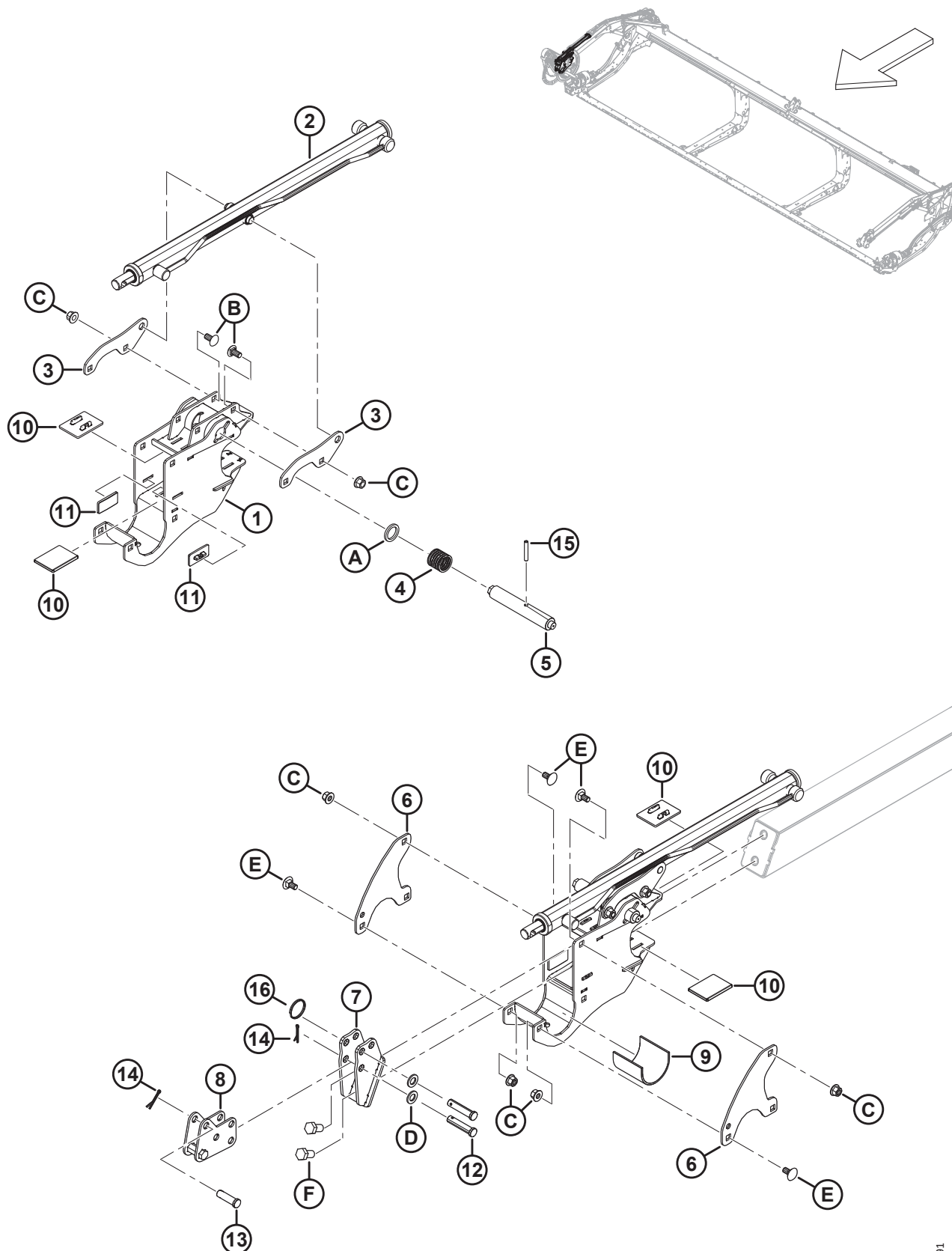
121. For RH cylinder (MD #273788), order seal kit (MD #323687); for LH cylinder (MD #273789), order seal kit (MD #323688).

122. 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).

123. The brace includes two bushings (MD #311613).

124. Used on the left cylinder only.

34 Reel Arm Components – Right Arm, Single Reel

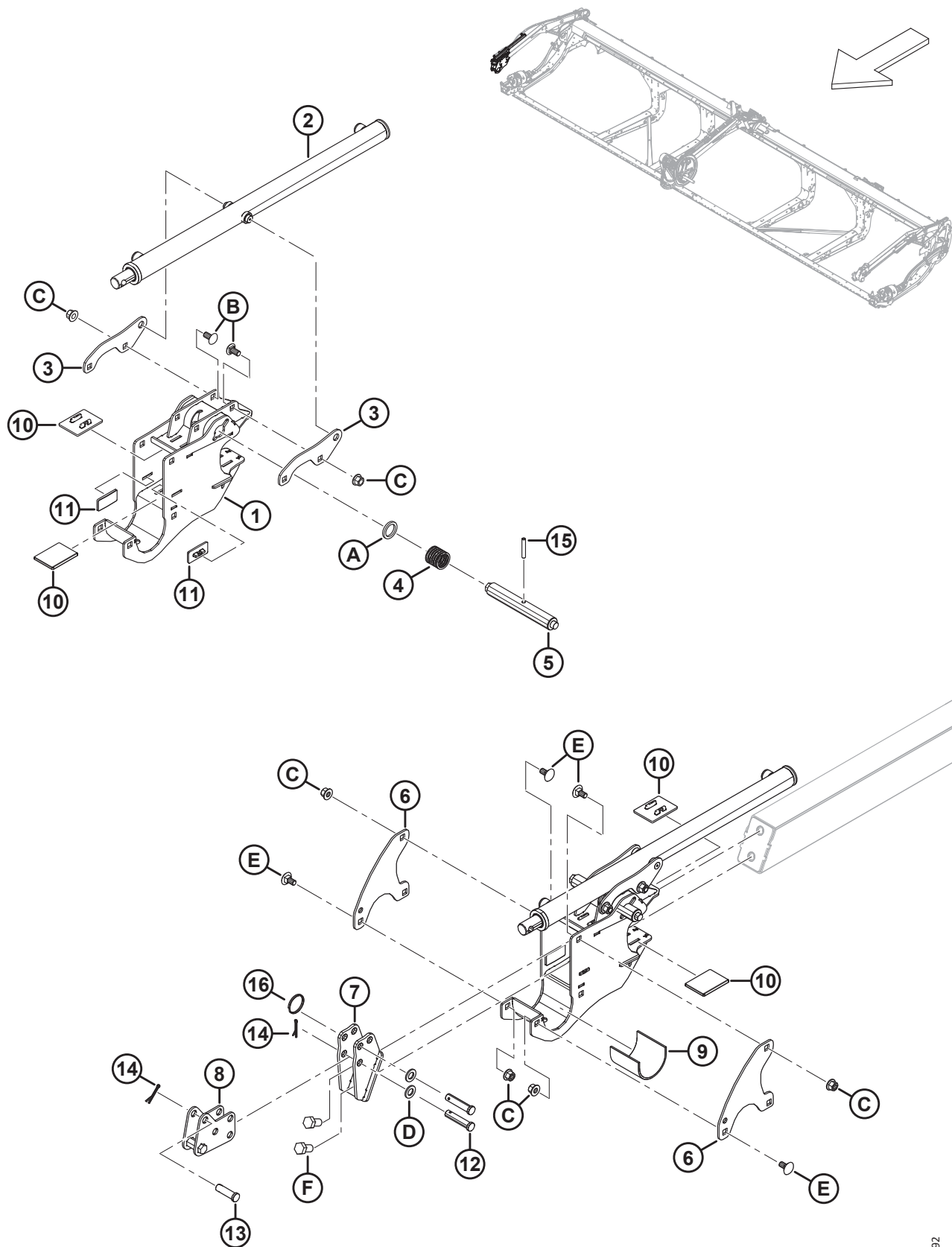


REEL ARM COMPONENTS – RIGHT ARM, SINGLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL C/W DECAL	1	
2	273283	CYLINDER – FORE AFT ¹²⁵	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	18648	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		

125. Right arm, single reel only.

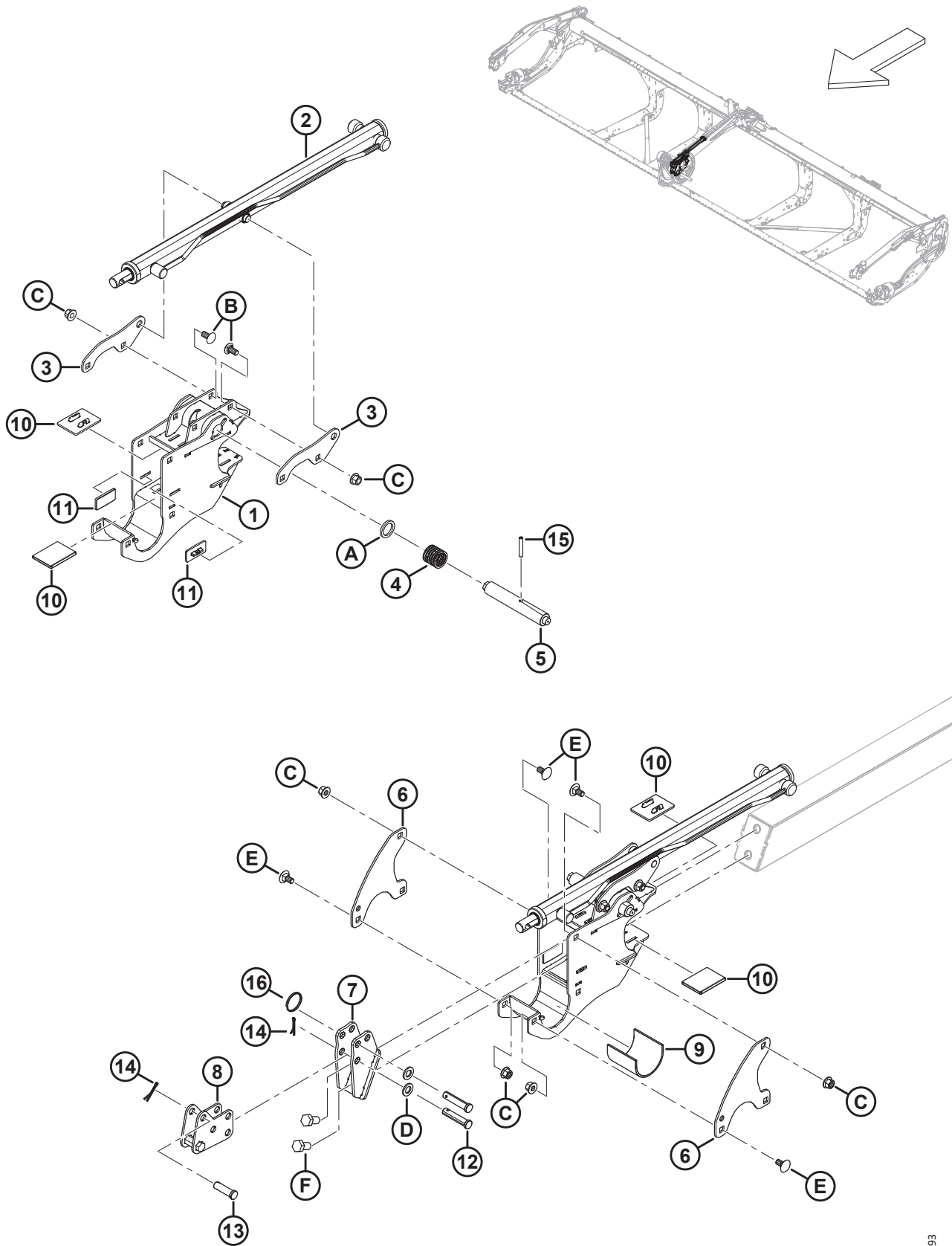
35 Reel Arm Components – Right Arm, Double Reel



REEL ARM COMPONENTS – RIGHT ARM, DOUBLE REEL

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		

36 Reel Arm Components – Center Arm, Double Reel

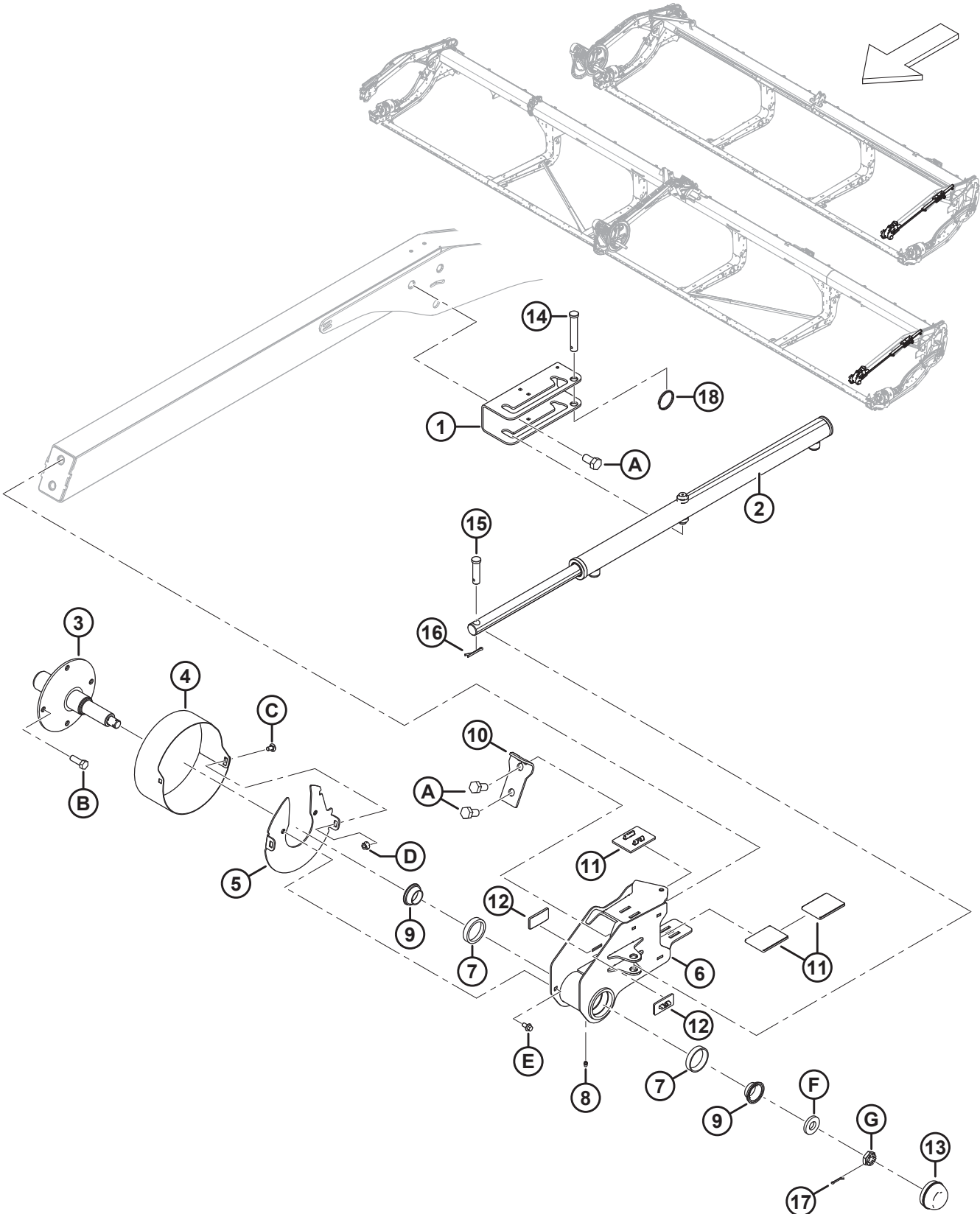


1040293

REEL ARM COMPONENTS – CENTER ARM, DOUBLE REEL

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		

37 Reel Arm Components – Left Arm



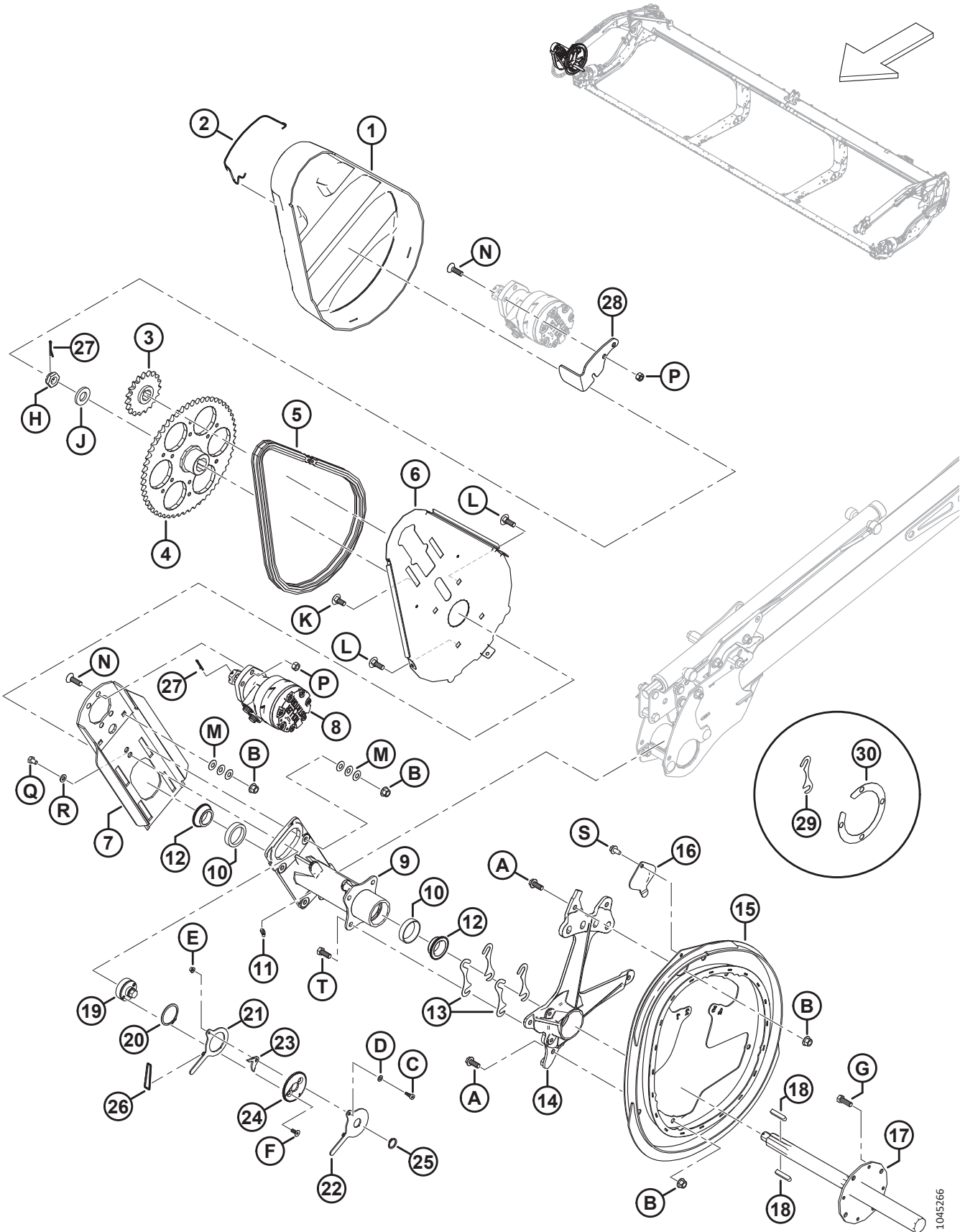
1040298

REEL ARM COMPONENTS – LEFT ARM

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 ¹²⁶	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		

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

38 Reel Drive – Single Reel



REEL DRIVE – 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 ¹²⁷	1	
4	228299	SPROCKET – MACHINING 56 TOOTH ¹²⁸	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 ¹²⁹	1	
	273259	SEAL KIT ¹³⁰		
	273078	MOTOR – HYD-260 CC HIGH CAPACITY BEARING ¹³¹	OPT	
	311620	SEAL KIT ¹³²		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
9	273758	HUB – REEL DRIVE ¹³³	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 ¹³⁴	1	
30	137753	SHIM – RING, 4 BOLT FLANGE ¹³⁵	2	

127. Standard 19-tooth drive sprocket. For optional drive sprockets, refer to Section [125 \(Option\) Reel – Drive, Two Speed Kit, page 299](#).

128. Standard 56-tooth driven sprocket. For additional optional 52-tooth driven sprocket, refer to Section [125 \(Option\) Reel – Drive, Two Speed Kit, page 299](#).

129. Standard factory-installed motor.

130. Seal kit for standard motor (MD #273258).

131. Optional high capacity motor for high reel loads.

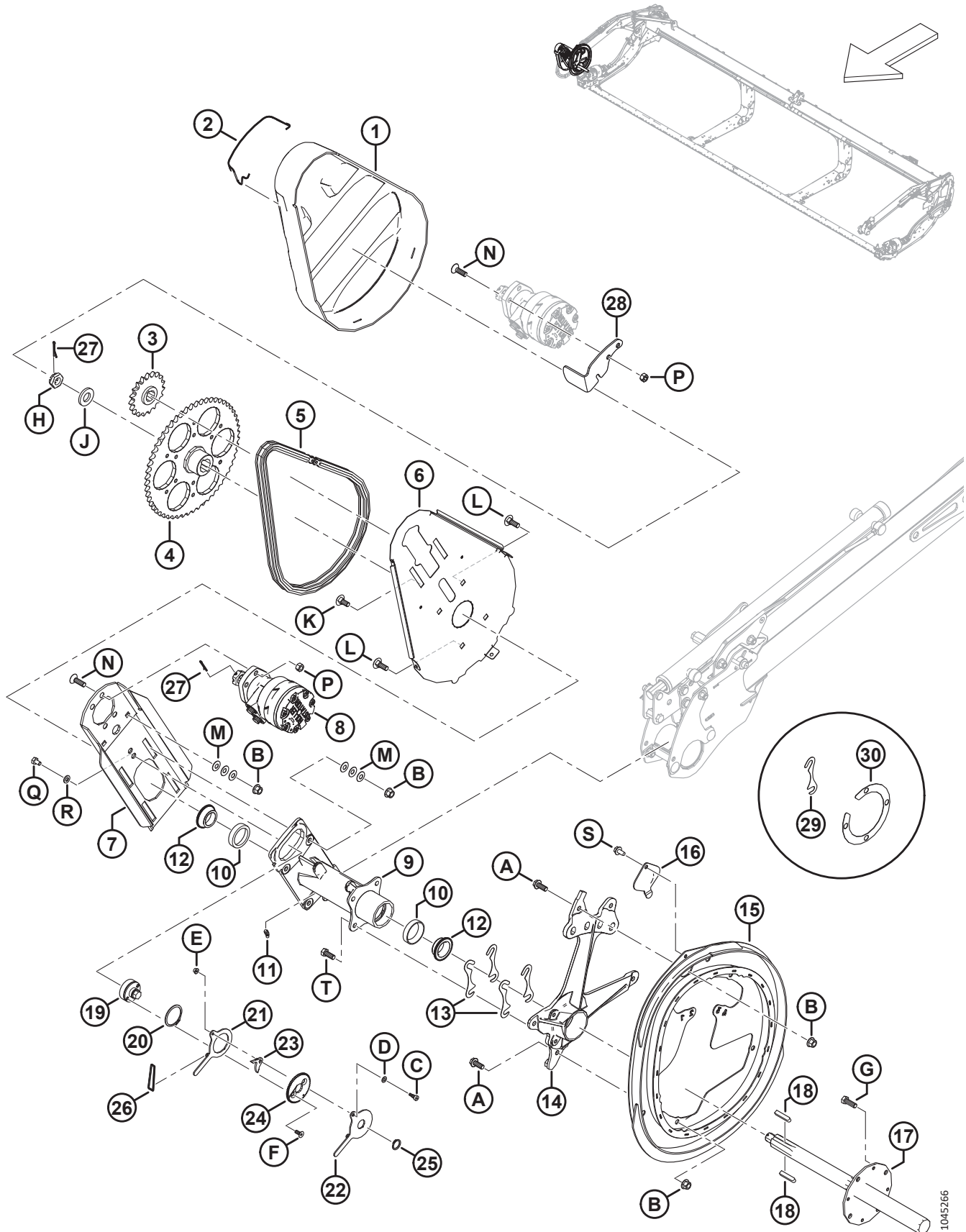
132. Seal kit for optional high capacity motor (MD #273078).

133. Hub includes two cup bearings (MD #164214) and lubrication fitting (MD #21301).

134. 0.6 mm thick hub-to-cam shim; use only as required.

135. 0.6 mm thick ring shim; use only as required.

REEL DRIVE – SINGLE REEL

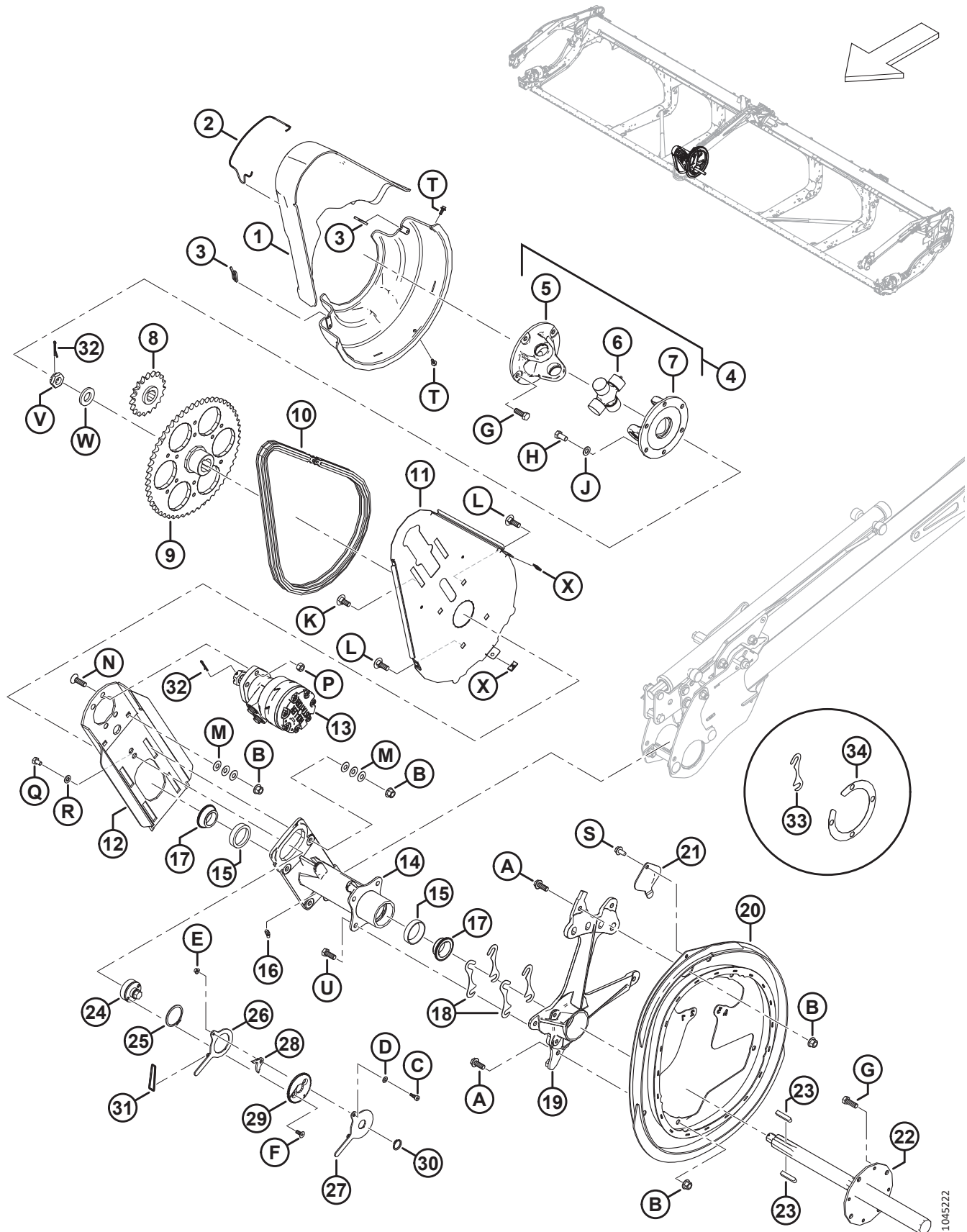


1045266

REEL DRIVE – SINGLE REEL

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		

39 Reel Drive – Double Reel



1045222

REEL DRIVE – DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	228619	COVER SET – CENTER REEL DRIVE ¹³⁶	1	
2	228611	SPRING – REEL DRIVE COVER	1	
3	228848	CLIP – COVER DUAL REEL DRIVE	2	
4	228382	REEL DRIVE U-JOINT ¹³⁷	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 ¹³⁸	1	
9	228299	SPROCKET – MACHINING 56 TOOTH ¹³⁹	1	
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	360144	PLATE – MOTOR MOUNT W/ GRAPHITE	1	
13	273258	MOTOR – HYD-15.9 CU.IN. 506 SERIES ¹⁴⁰	1	
	273259	SEAL KIT ¹⁴¹		
	273078	MOTOR – HYD-260 CC HIGH CAPACITY BEARING ¹⁴²	OPT	
	311620	SEAL KIT ¹⁴³		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
14	273758	HUB – REEL DRIVE ¹⁴⁴	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	4	
19	228292	SUPPORT – CAM MACHINING	1	
20	273926	CAM – WELDMENT	1	
21	137476	COVER – CAM BEARING ACCESS	1	
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	

136. Set includes upper and lower drive reel covers.

137. U-joint includes cross journal assembly (MD #137825), four bolt flange yoke (MD #228384), and six bolt flange yoke (MD #228385).

138. Standard 19-tooth drive sprocket. For optional drive sprockets, refer to Section [125 \(Option\) Reel – Drive, Two Speed Kit, page 299](#).

139. Standard 56-tooth driven sprocket. For additional optional 52-tooth driven sprocket, refer to Section [125 \(Option\) Reel – Drive, Two Speed Kit, page 299](#).

140. Standard factory-installed motor.

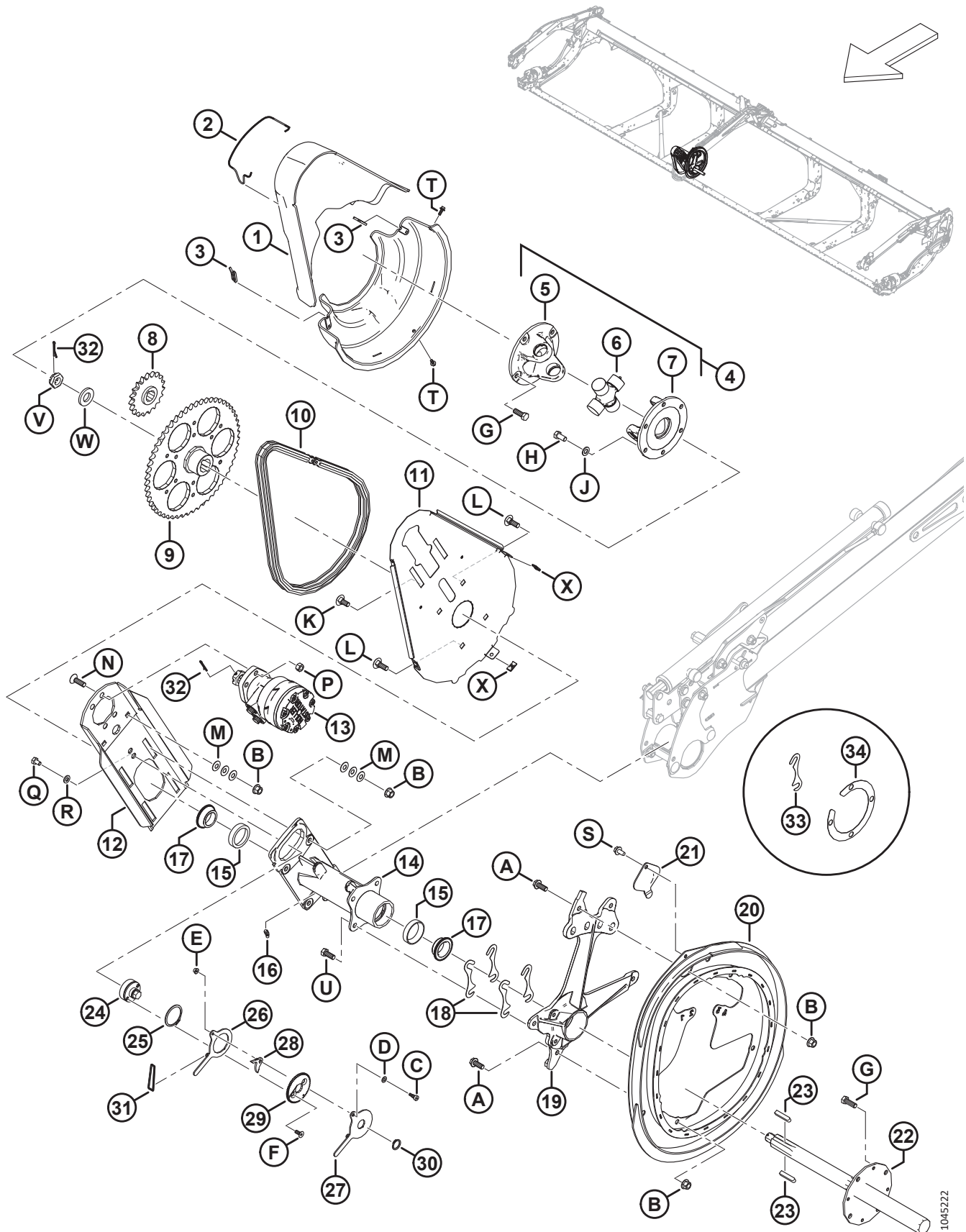
141. Seal kit for standard motor (MD #273258).

142. Optional high capacity motor for high reel loads.

143. Seal kit for optional high capacity motor (MD #273078).

144. Hub includes two cup bearings (MD #164214) and lubrication fitting (MD #21301).

REEL DRIVE – DOUBLE REEL



1045222

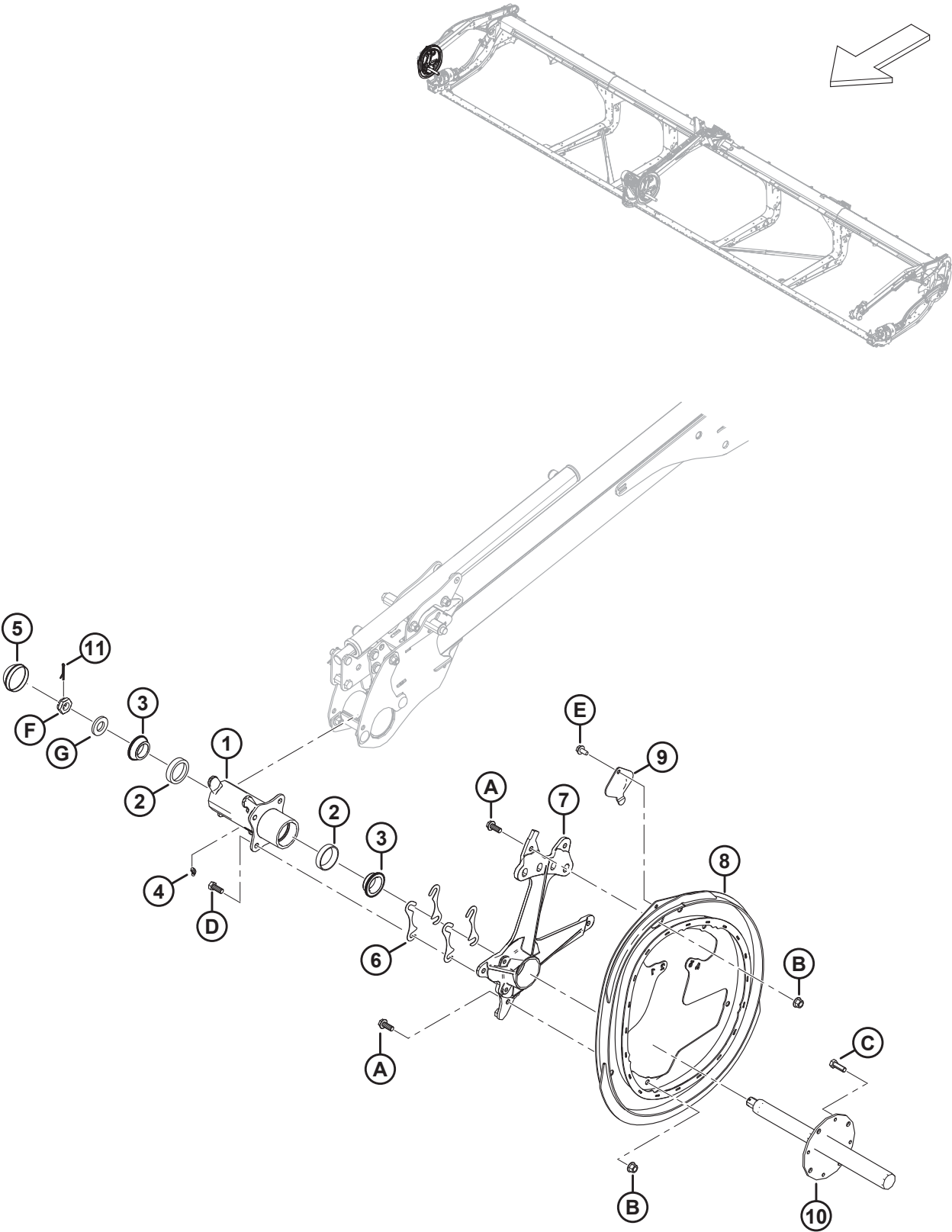
REEL DRIVE – DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
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	245199	SHIM – HUB TO CAM ¹⁴⁵	1	
34	137753	SHIM – RING, 4 BOLT FLANGE ¹⁴⁶	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		

145. 0.6 mm thick hub-to-cam shim; use only as required.

146. 0.6 mm thick ring shim; use only as required.

40 Reel Cam Components – Right Arm, Double Reel



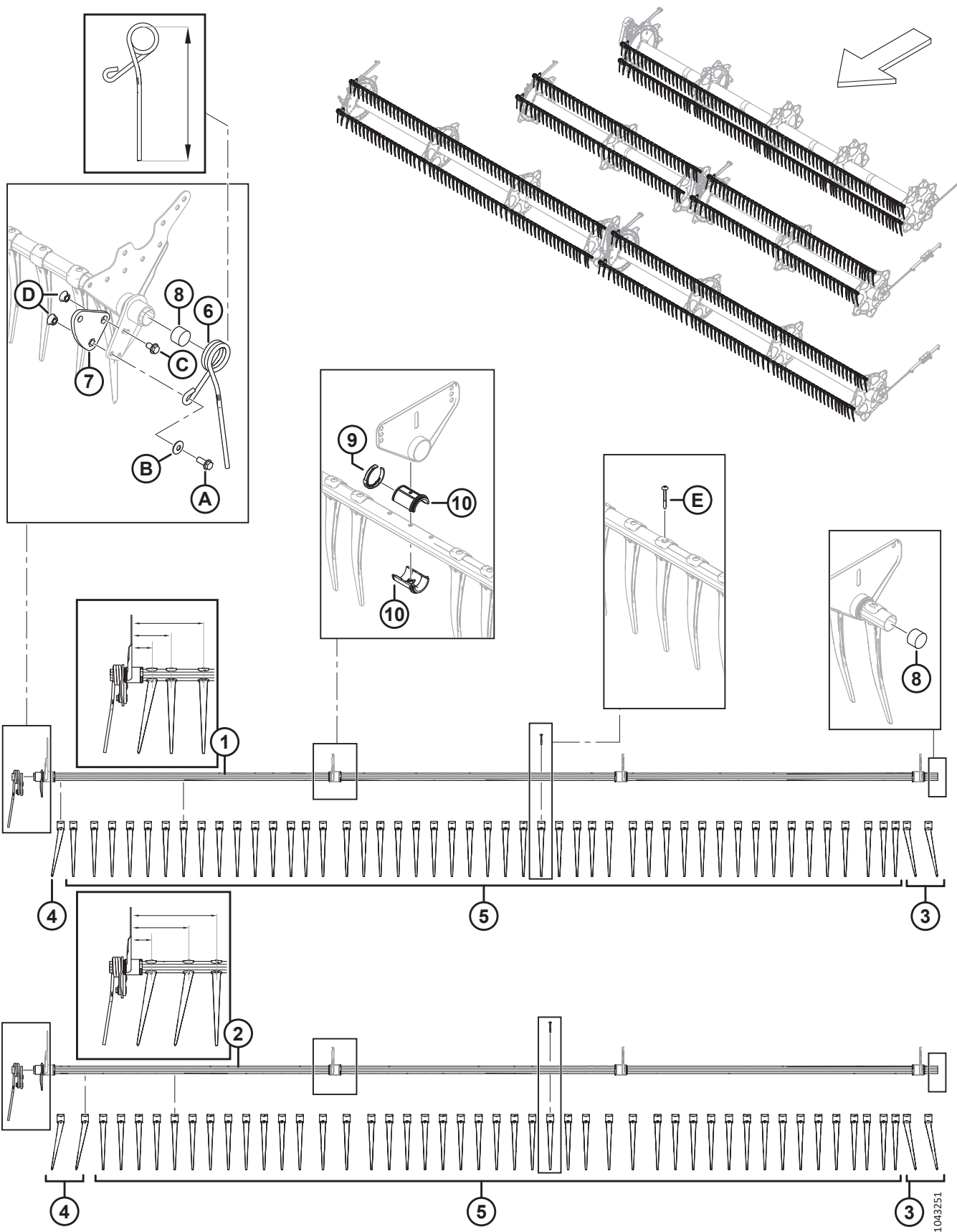
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REEL CAM COMPONENTS – RIGHT ARM, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	273759	HUB ASSEMBLY – RH CAM ¹⁴⁷	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		

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

41 Reel – Tine Tube



REEL – TINE TUBE

NOTE:

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

NOTE:

Tine tube quantities per reel:

- 5-bat reels: three narrow tine tubes (item #1) and two wide tine tubes (item #2).
- 6-bat reels: three narrow tine tubes (item #1) and three wide tine tubes (item #2).
- 9-bat reels: five narrow tine tubes (item #1) and four wide tine tubes (item #2).

Ref	Part Number	Description	Qty	Serial Number
1	311368	TINE TUBE WELDT – 15 FT SR NARROW ¹⁴⁸	3	
	311190	TINE TUBE WELDT – 20 FT SR NARROW ¹⁴⁸	3	
	360201	TINE TUBE WELDT – 25 FT SR NARROW ¹⁴⁸	3	
	311368	TINE TUBE WELDT – 30 FT DR NARROW ¹⁴⁸	6	
	311207	TINE TUBE WELDT – 35 FT DR NARROW ¹⁴⁸	6	
	311303	TINE TUBE WELDT – 41 FT DR NARROW ¹⁴⁸	6	
2	311365	TINE TUBE WELDT – 15 FT SR WIDE ¹⁴⁸	3	
	311193	TINE TUBE WELDT – 20 FT SR WIDE ¹⁴⁸	3	
	360199	TINE TUBE WELDT – 25 FT SR WIDE ¹⁴⁸	3	
	311365	TINE TUBE WELDT – 30 FT DR WIDE ¹⁴⁸	6	
	311210	TINE TUBE WELDT – 35 FT DR WIDE ¹⁴⁸	2	
	311306	TINE TUBE WELDT – 41 FT DR WIDE ¹⁴⁸	4	
3	311524	FINGER – PLASTIC, LH ANGLED (10 PACK)	A/R	
4	311523	FINGER – PLASTIC, RH ANGLED (10 PACK)	A/R	
5	174849	FINGER – PLASTIC, STRAIGHT (10 PACK) ¹⁴⁹		
6	311327	FINGER – CAM END BENT, LH REEL (315 MM LG) ¹⁵⁰	1	
	311325	FINGER – CAM END OUTBOARD, RH REEL (305 MM LG) ¹⁵⁰	1	
7	228319	ARM – CRANK MACHINING (SR, DR) ¹⁵¹	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		

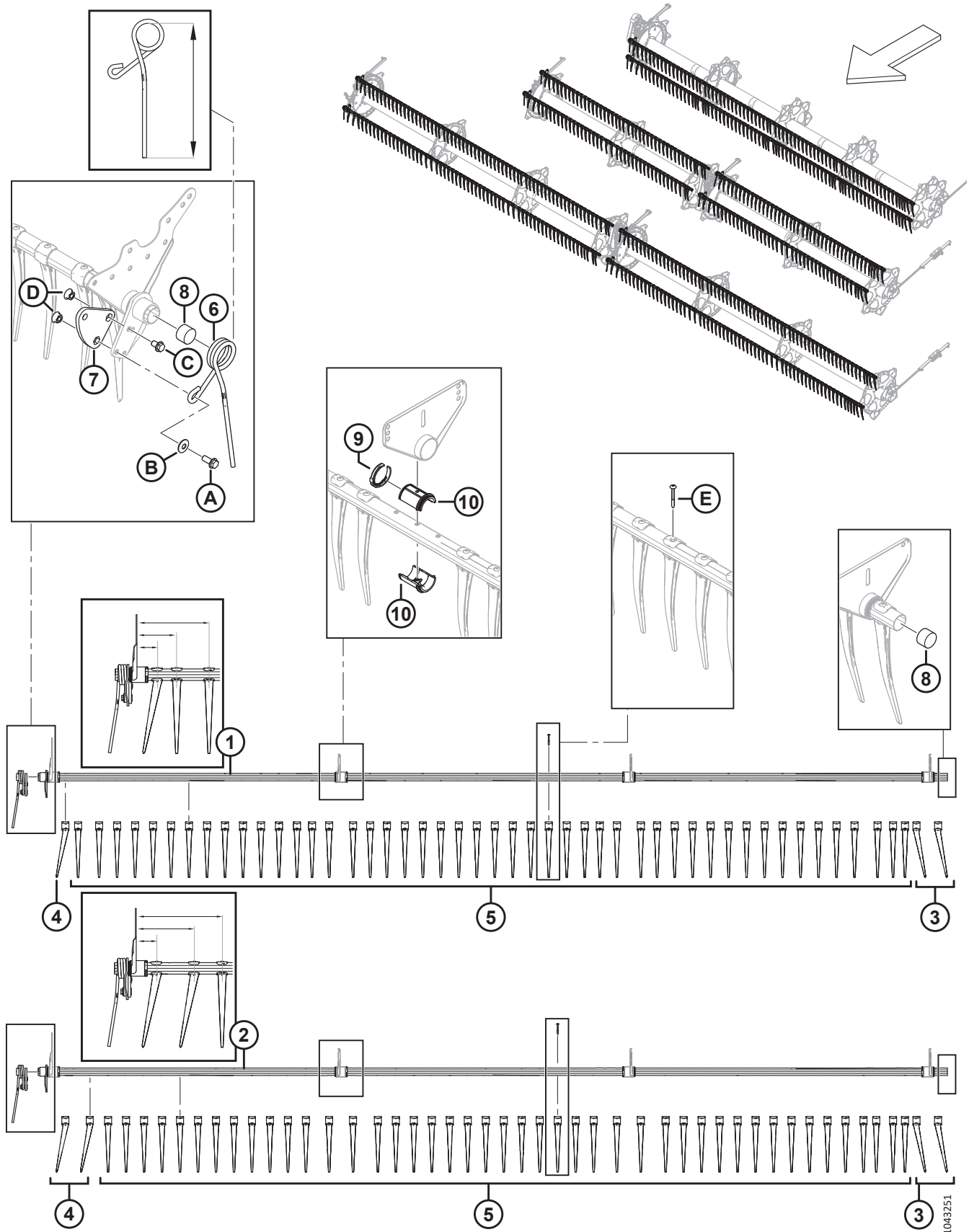
148. Narrow or wide tine tubes can be distinguished by the first three fingers of the RH side. Narrow tine tubes have one RH angled finger (MD #311523) followed by two straight fingers (MD #174849) and measure 76 mm, 146 mm, and 265 mm as illustrated. Wide tine tubes have two RH angled fingers (MD #311523)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

149. Quantities per tine tube (LH/RH): NARROW – D230 = 40/41, D235 = 47/48, and D241 = 56/57. WIDE – D230 = 37/38, D235 = 44/45, and D241 = 52/54. Quantities per tine tube (single reel): NARROW – D215 = 40, D220 = 55, and D225 = 70. WIDE – D215 = 37, D220 = 51, and D225 = 71.

150. 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 the illustration.

151. Steel; for single- and double-reel headers only.

REEL – TINE TUBE

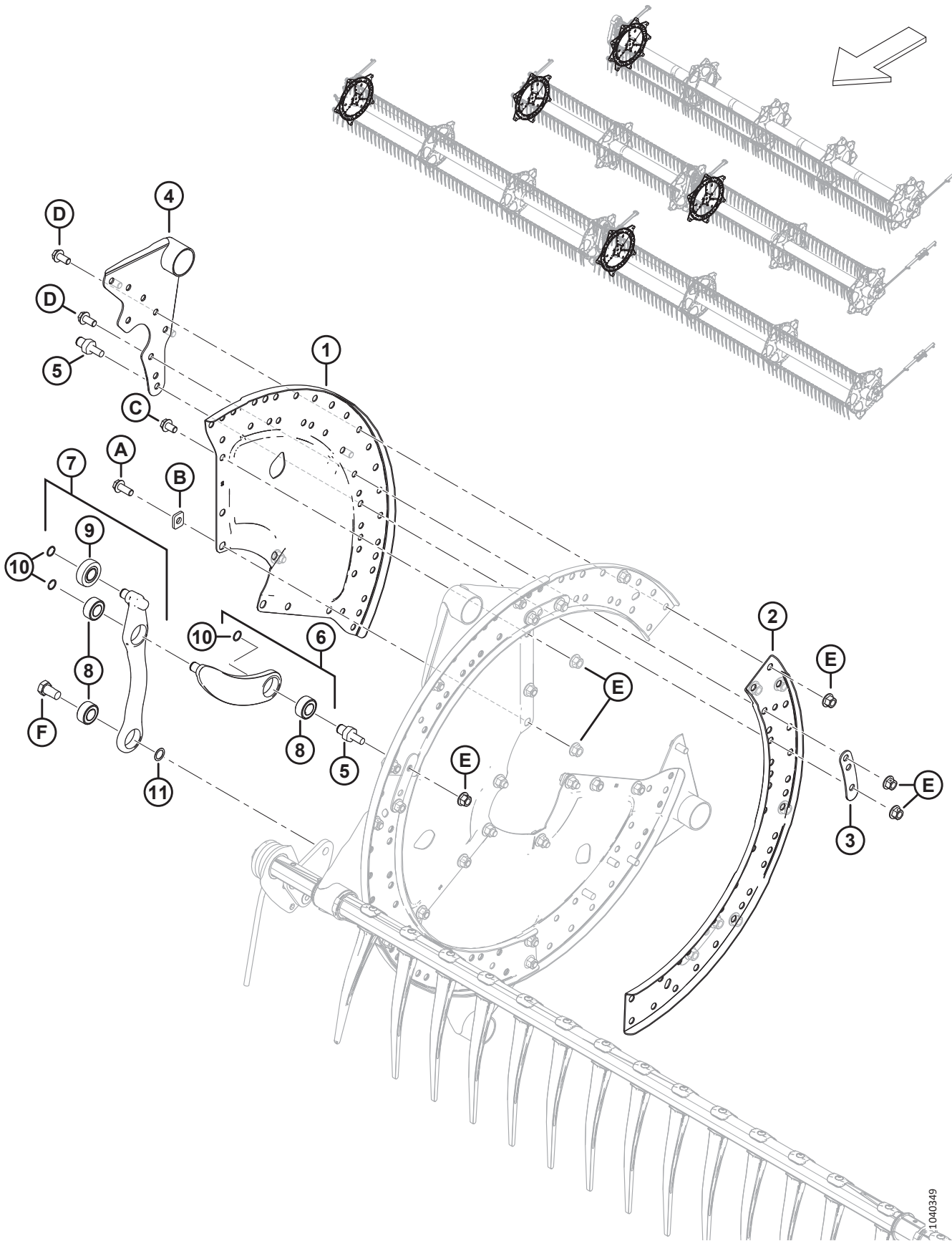


REEL – TINE TUBE

Ref	Part Number	Description	Qty	Serial Number
B	184597	WASHER – CON SPRING M12-AA1J ¹⁵²		
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		

152. Note the orientation of washer (MD #184597). The concave (inward-facing) surface of the washer should face away from the tine tube crank arm assembly.

42 Reel Discs – Cam End and Linkage



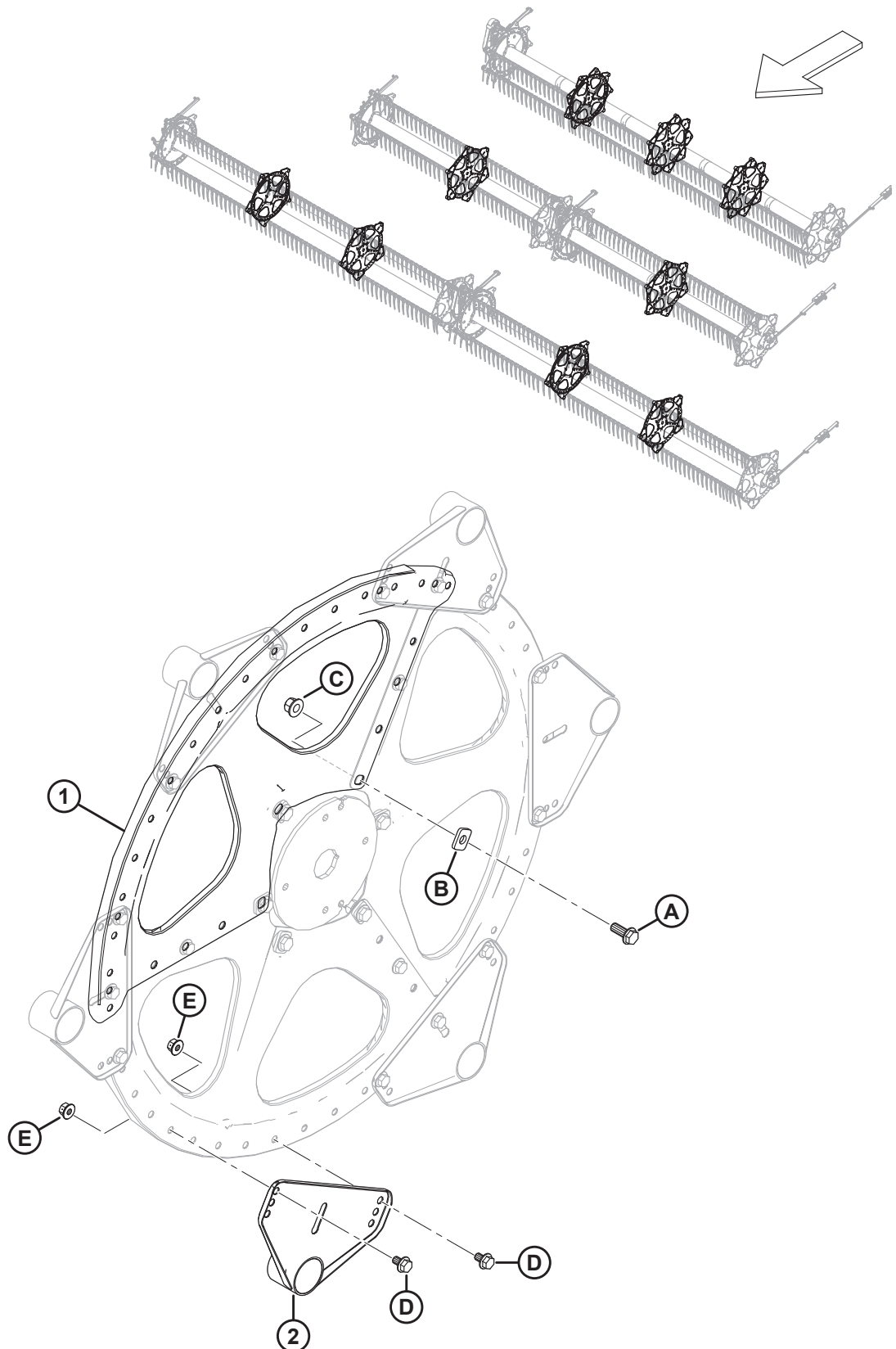
REEL DISCS – CAM END AND LINKAGE

Ref	Part Number	Description	Qty 5/6/9 Bat	Serial Number
1	273373	SECTOR – CAM END	3/3/3	
2	273376	CHANNEL – CAM DISC	3/3/3	
3	311672	STRAP	5/6/9	
4	335924	ARM WELDT – CAM END	5/6/9	
5	340146	STUD (FOR LINKAGE)	5/6/9	
6	311615	ARM – ASSEMBLY ¹⁵³	5/6/9	
7	311617	ARM – TINE CONTROL ASSY ¹⁵⁴	5/6/9	
8	273347	BEARING	15/18/27	
9	273524	BEARING – CAM FOLLOWER	5/6/9	
10	273536	RING – RETAINING	15/18/27	
11	137529	SHIM – CRANK BEARING	5/6/9	
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		

153. The arm assembly includes arm (NSS), bearing (MD #273347), and retaining ring (MD #273536).

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

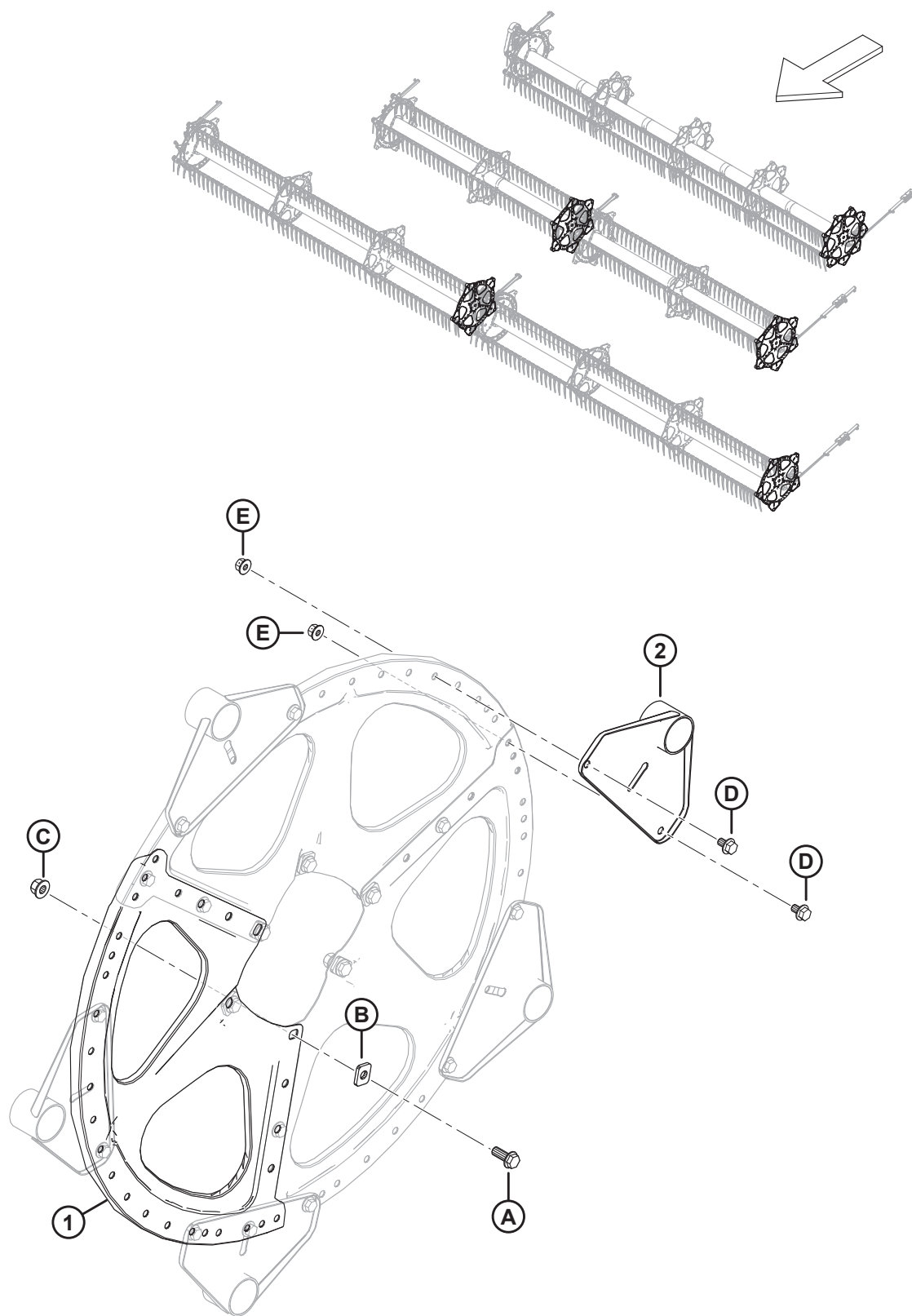
43 Reel Discs – Mid Span



REEL DISCS – MID SPAN

Ref	Part Number	Description	Qty 5/6/9 Bat	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3/3/3	
2	273523	ARM WELDT – MID SPAN	5/6/9	
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		

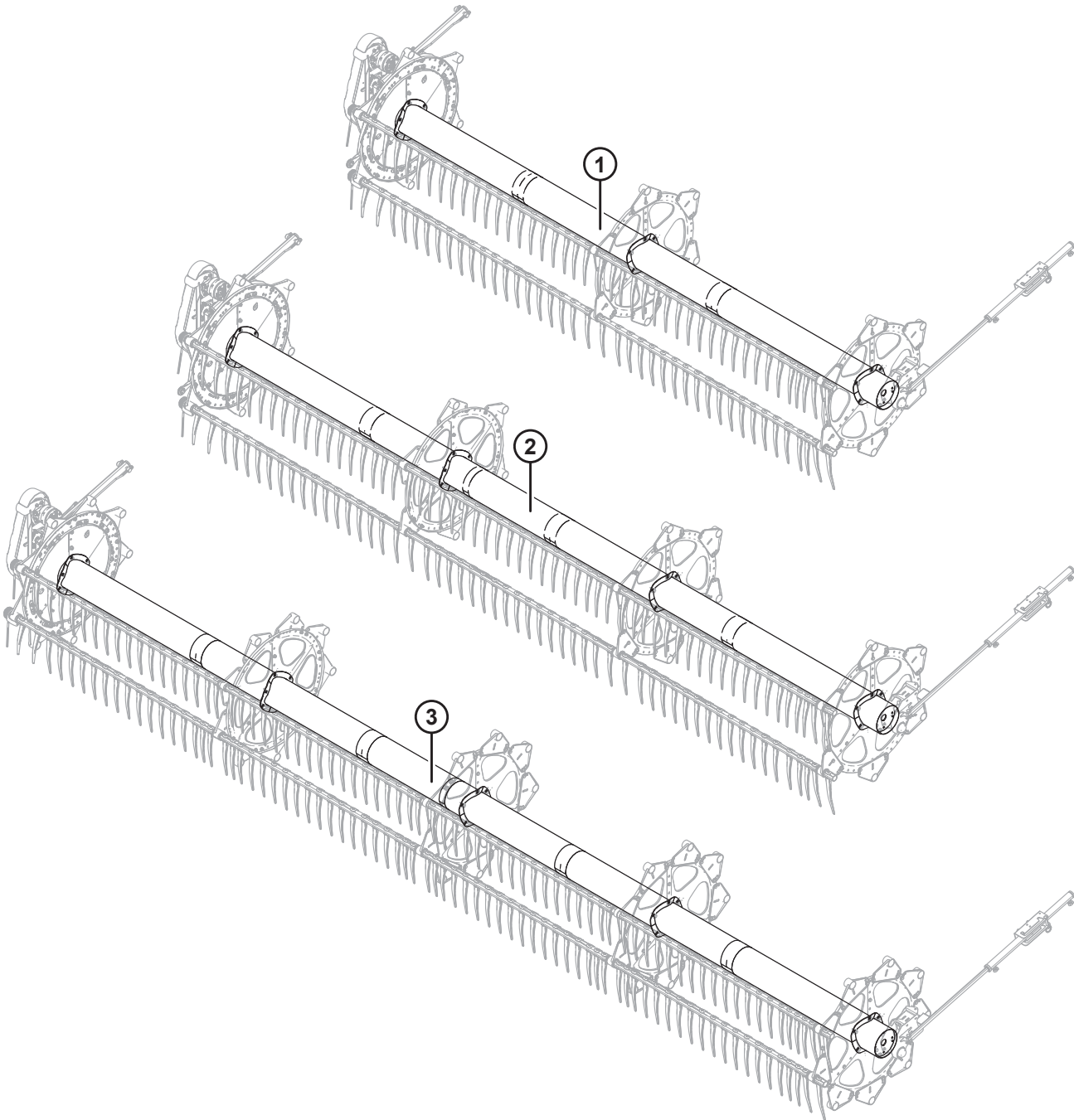
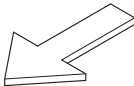
44 Reel Discs – Tail End



REEL DISCS – TAIL END

Ref	Part Number	Description	Qty 5/6/9 Bat	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3/3/3	
2	311347	ARM WELDT – TAIL END	5/6/9	
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		

45 Reel – Center Tubes, Single Reel

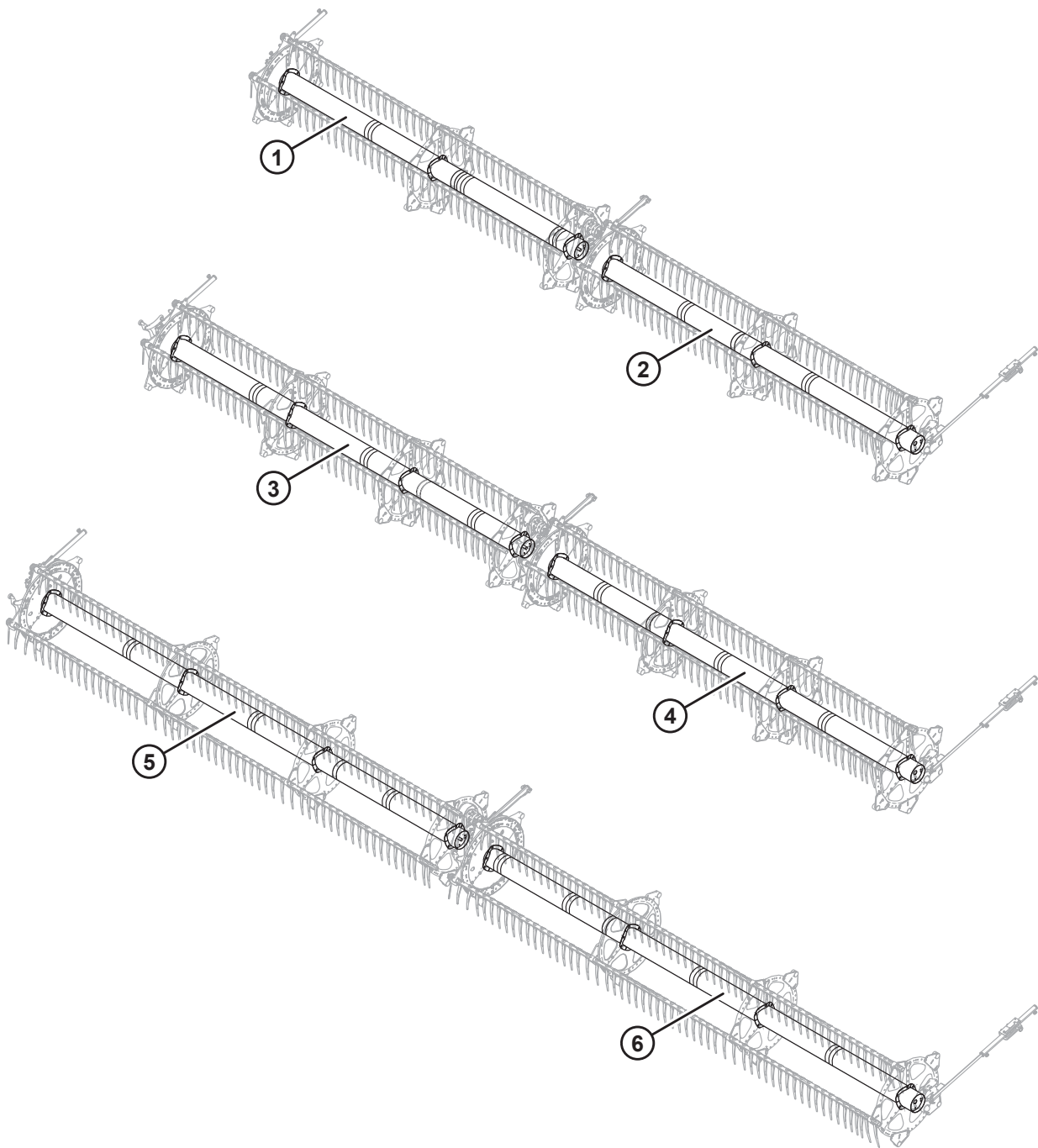
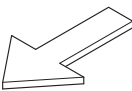


REEL – CENTER TUBES, SINGLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	311643	CENTER TUBE – W/ DECALS, 15 FT (AMBER, RED-ORANGE DECALS) 155	1	
2	311658	CENTER TUBE – W/ DECALS, 20 FT (AMBER, RED-ORANGE DECALS) 156	1	
3	360376	CENTER TUBE – W/ DECALS, 25 FT (AMBER, RED-ORANGE DECALS) 157	1	

155. Used for D215 headers.
156. Used for D220 headers.
157. Used for D225 headers.

46 Reel – Center Tubes, Double Reel

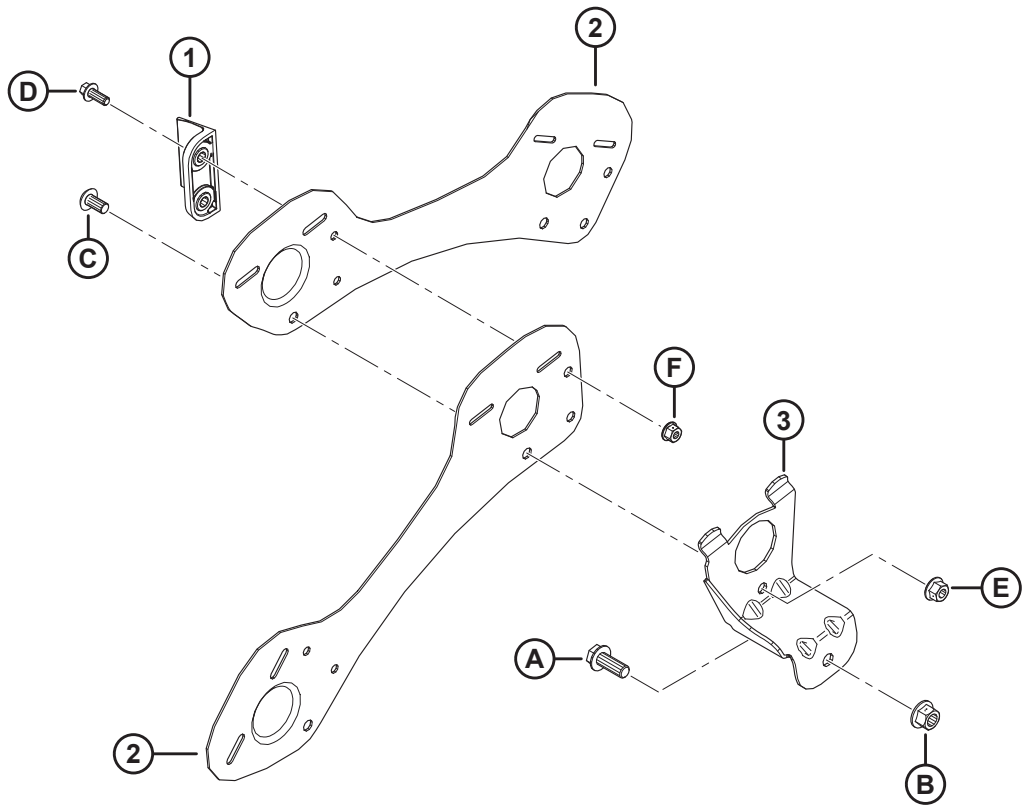
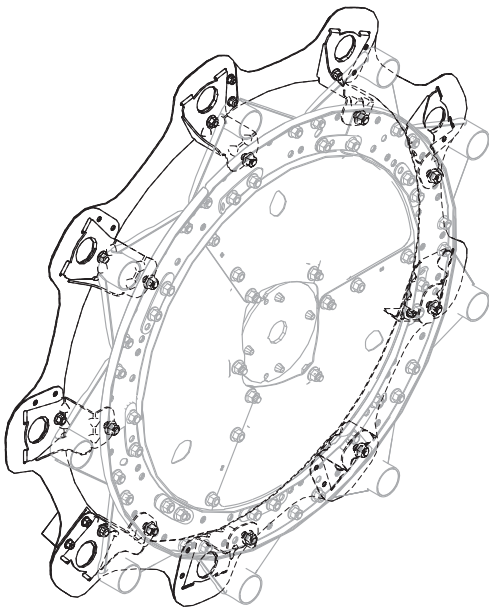


REEL – CENTER TUBES, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	311644	CENTER TUBE – W/ DECALS, 30 FT RH (AMBER, RED-ORANGE DECALS) ¹⁵⁸	1	
2	311643	CENTER TUBE – W/ DECALS, 30 FT LH (AMBER, RED-ORANGE DECALS) ¹⁵⁸	1	
3	311646	CENTER TUBE – W/ DECALS, 35 FT RH (AMBER, RED-ORANGE DECALS) ¹⁵⁹	1	
4	311645	CENTER TUBE – W/ DECALS, 35 FT LH (AMBER, RED-ORANGE DECALS) ¹⁵⁹	1	
5	311648	CENTER TUBE – W/ DECALS, 41 FT RH (AMBER, RED-ORANGE DECALS) ¹⁶⁰	1	
6	311647	CENTER TUBE – W/ DECALS, 41 FT LH (AMBER, RED-ORANGE DECALS) ¹⁶⁰	1	

158. Used for D230 headers.
159. Used for D235 headers.
160. Used for D241 headers.

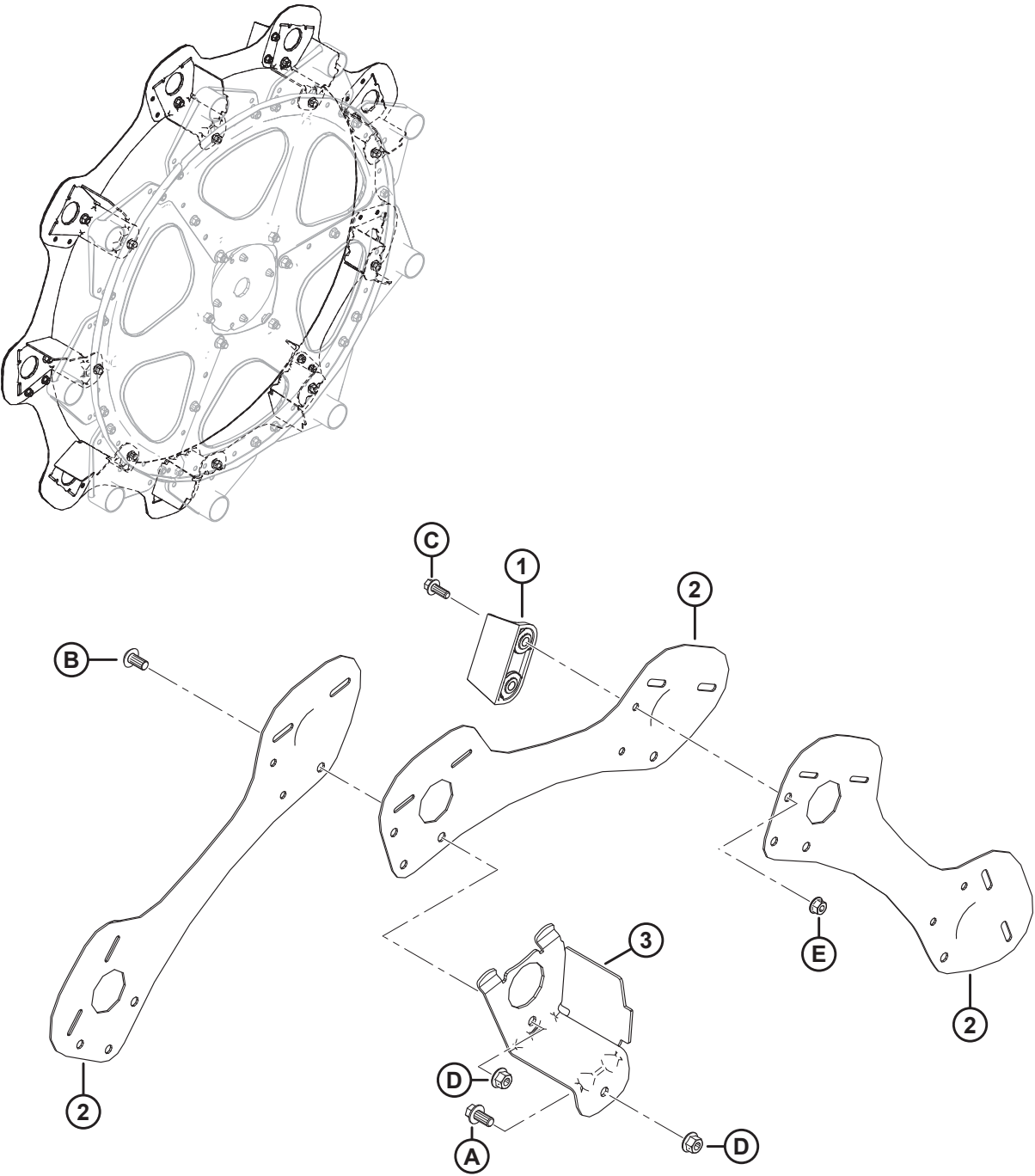
47 Reel – Endshields, Cam End, Outboard (9 Bat)



REEL – ENDSHIELDS, CAM END, OUTBOARD (9 BAT)

Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311863	SHIELD – OUTBOARD RH 9 BAT	9	
3	311964	SUPPORT – WELDT CAM END	9	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
D	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

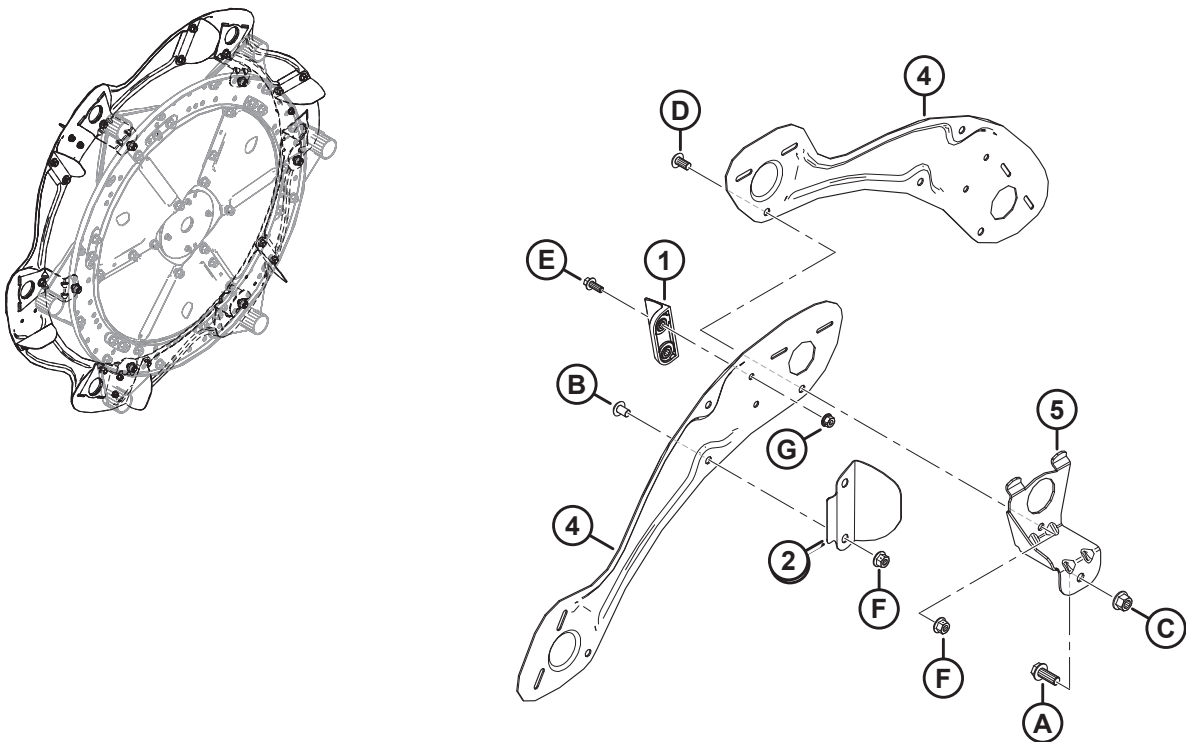
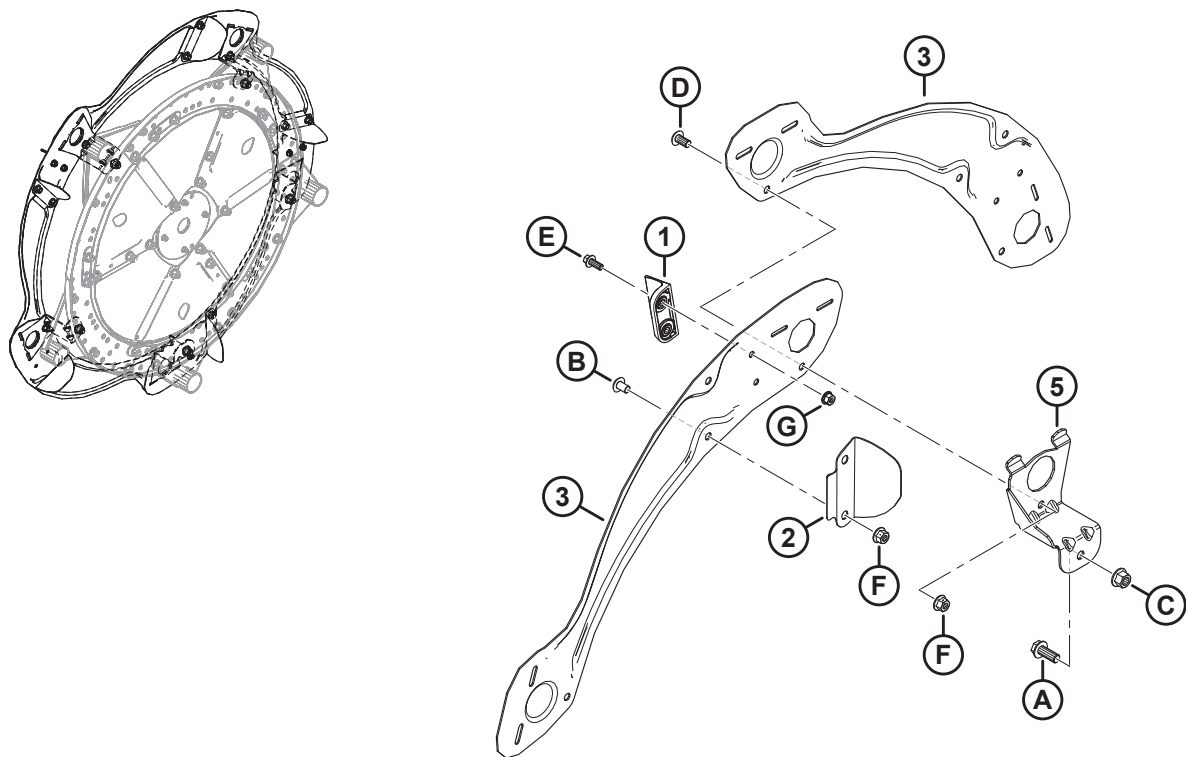
48 Reel – Endshields, Tail End, Outboard (9 Bat)



REEL – ENDSHIELDS, TAIL END, OUTBOARD (9 BAT)

Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311864	SHIELD – OUTBOARD LH 9 BAT	9	
3	311965	SUPPORT – WELDT TAIL END	9	
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		

49 Reel – Endshields, Cam End, Outboard (5 Bat and 6 Bat)



REEL – ENDSHIELDS, CAM END, OUTBOARD (5 BAT AND 6 BAT)

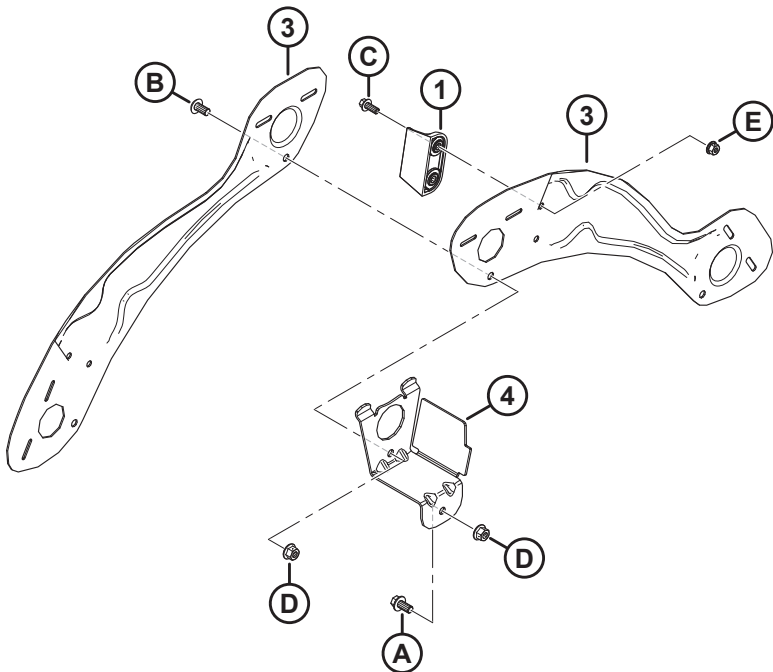
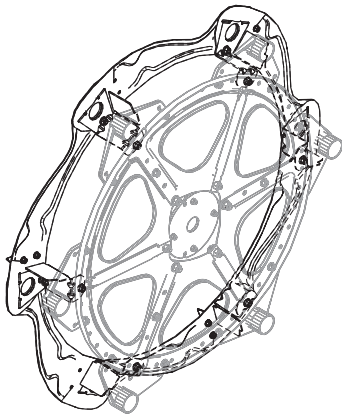
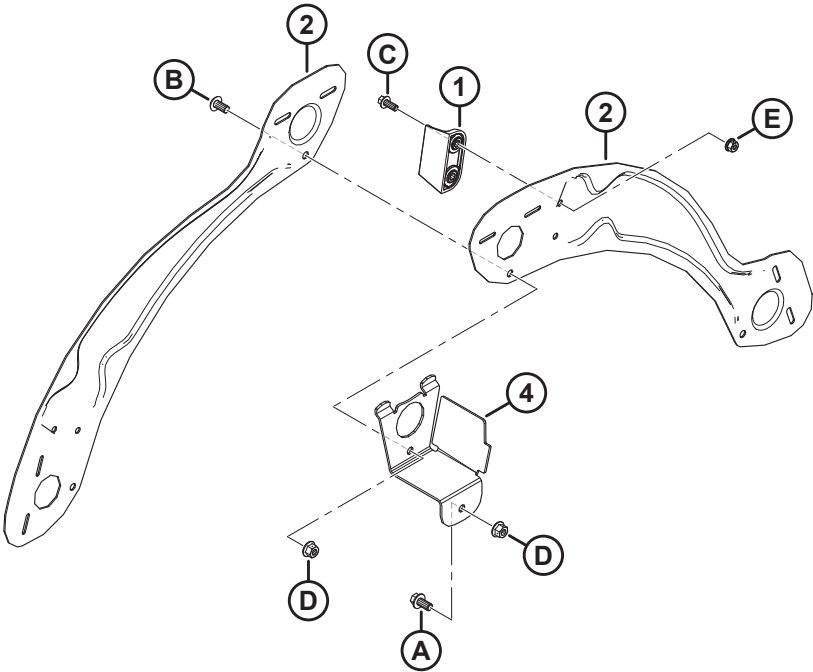
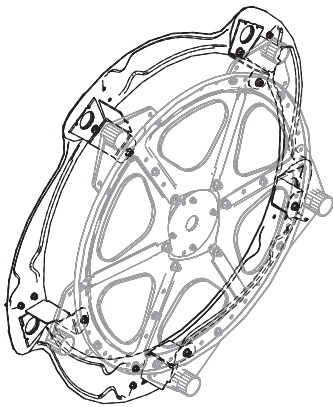
NOTE:

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

Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311729	DEFLECTOR – CAM OUTBOARD ¹⁶¹		
3	311694	SHIELD – OUTBOARD RH 5 BAT	5	
4	311752	SHIELD – OUTBOARD RH 6 BAT	6	
5	311964	SUPPORT – WELDT CAM END ¹⁶¹		
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		

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

50 Reel – Endshields, Tail End, Outboard (5 Bat and 6 Bat)



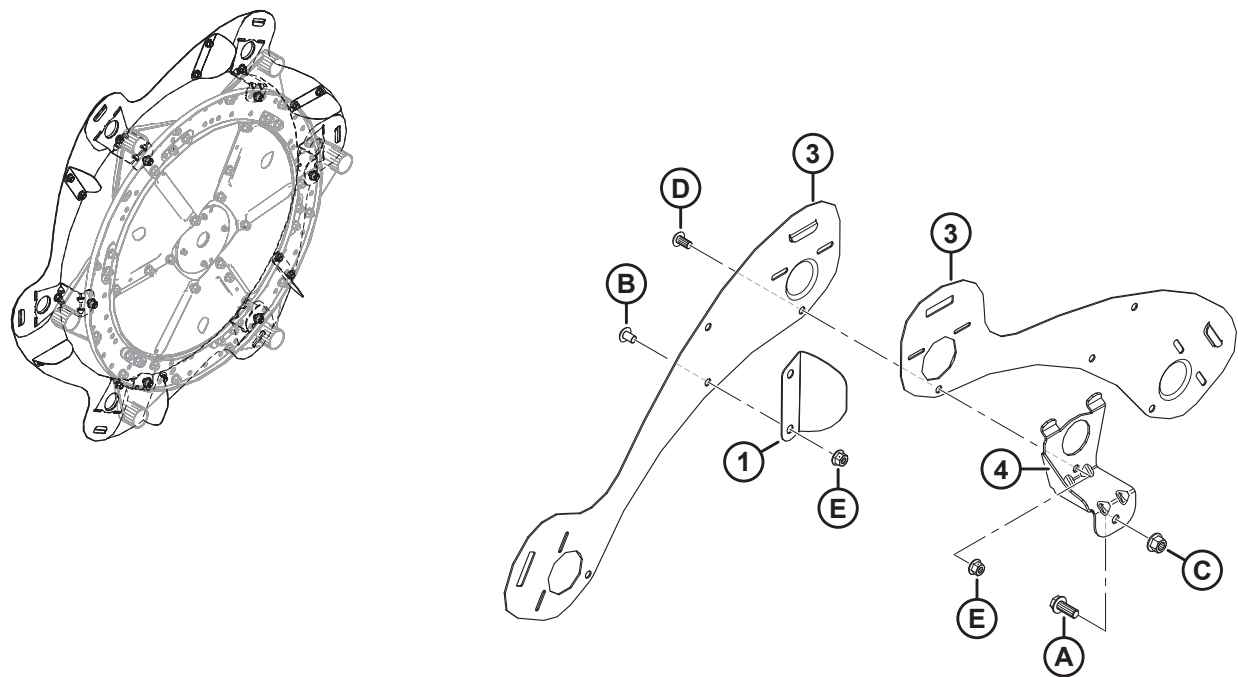
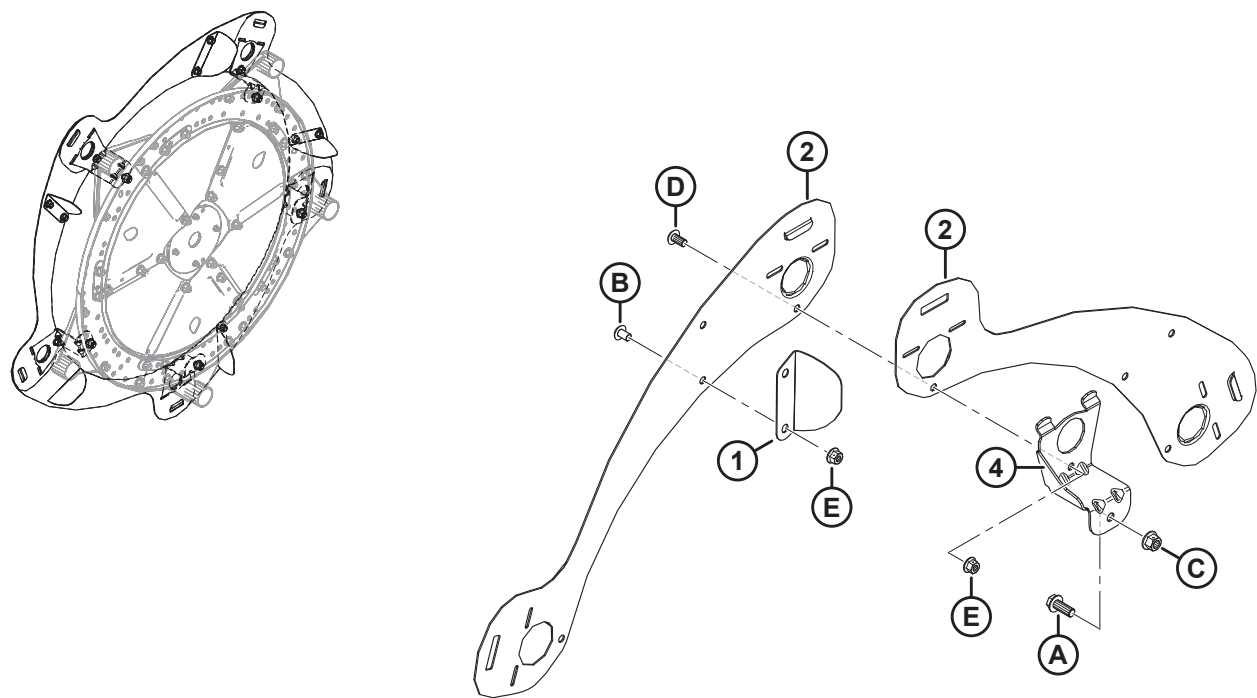
REEL – ENDSHIELDS, TAIL END, OUTBOARD (5 BAT AND 6 BAT)**NOTE:**

Top part of illustration shows 5 bat; bottom part of 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 ¹⁶²		
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		

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

51 Reel – Endshields, Cam End, Inboard (5 Bat and 6 Bat)



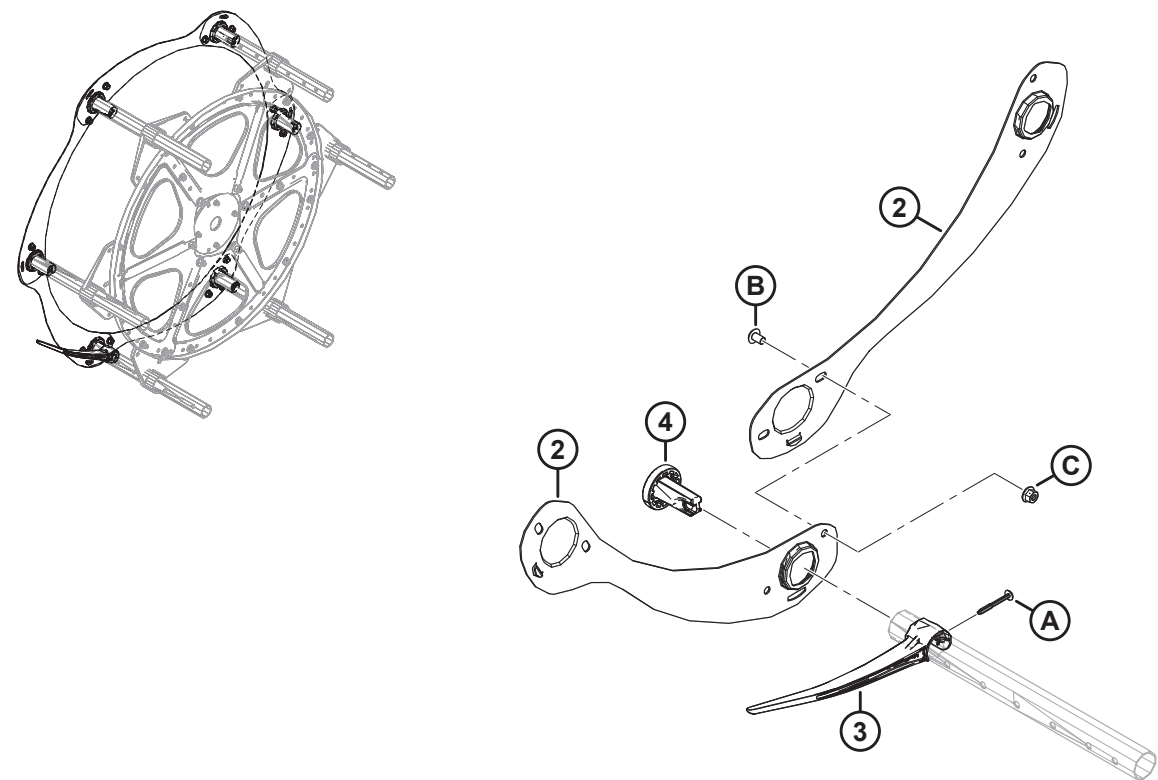
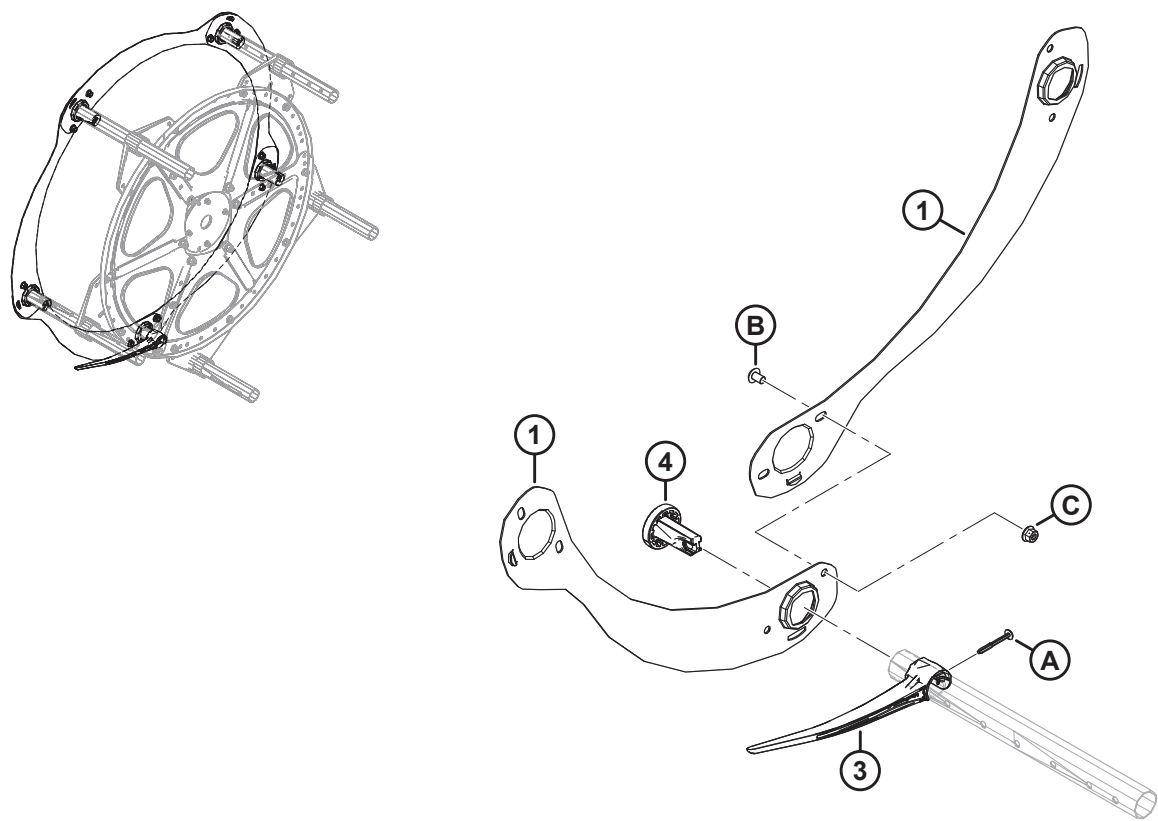
REEL – ENDSHIELDS, CAM END, INBOARD (5 BAT AND 6 BAT)**NOTE:**

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

Ref	Part Number	Description	Qty	Serial Number
1	311906	DEFLECTOR – CAM INBOARD ¹⁶³		
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 ¹⁶³		
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		

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

52 Reel – Endshields, Tail End, Inboard (5 Bat and 6 Bat)



REEL – ENDSHIELDS, TAIL END, INBOARD (5 BAT AND 6 BAT)

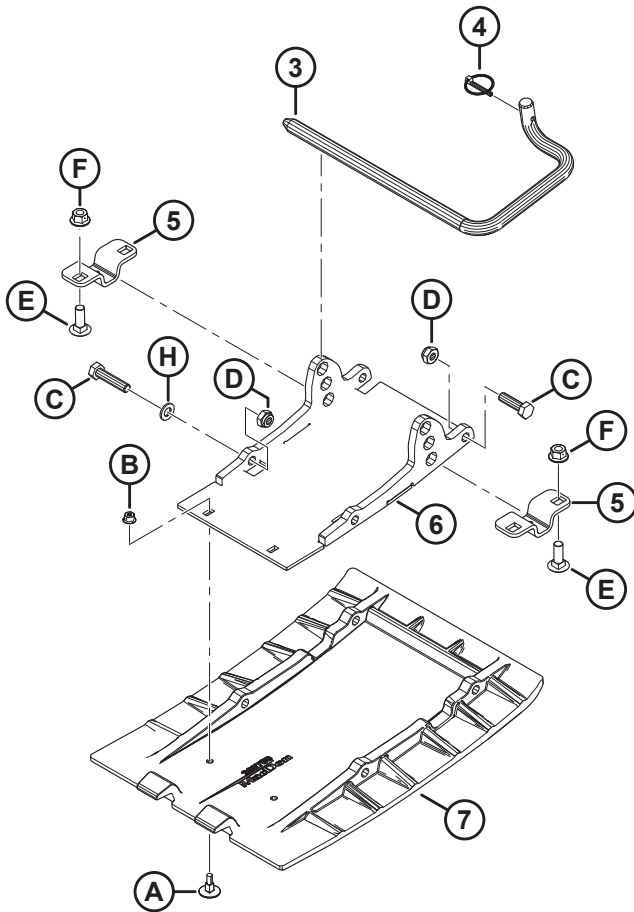
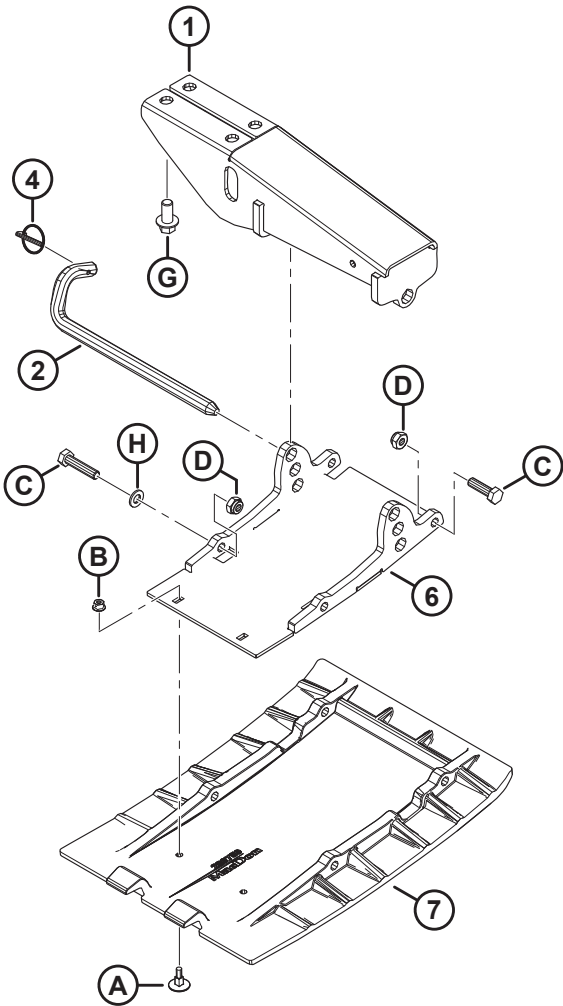
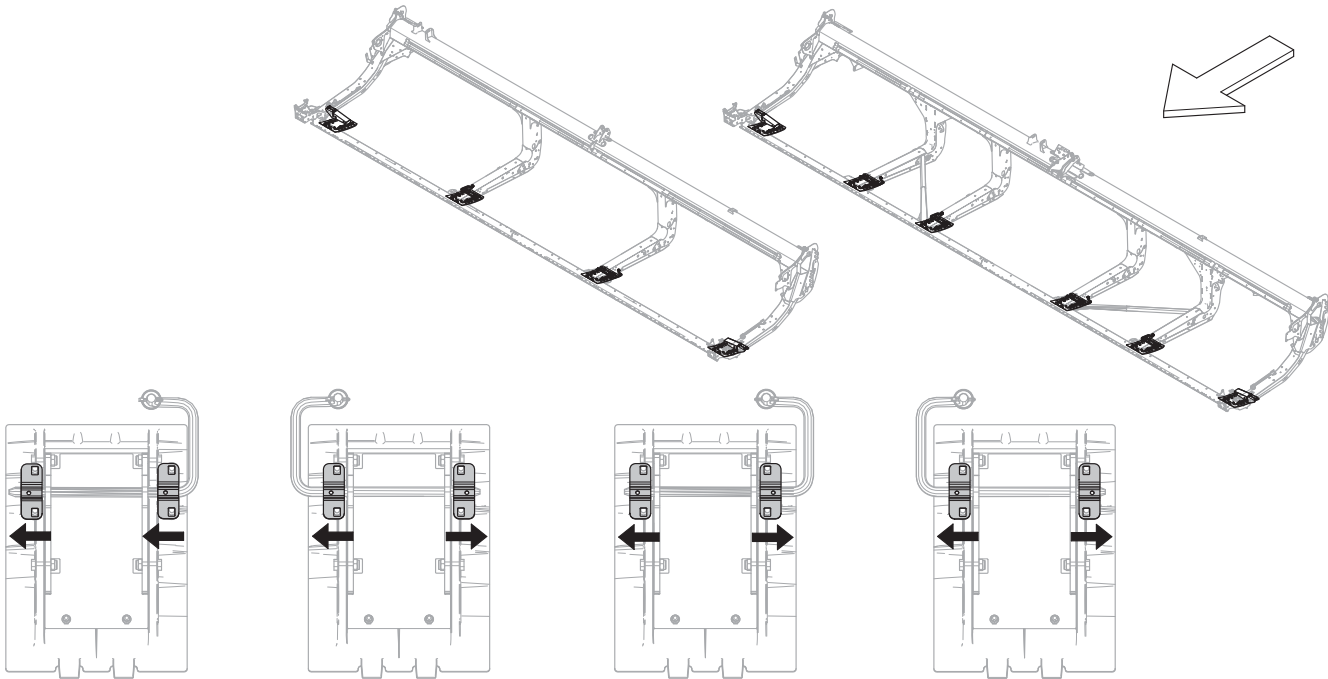
NOTE:

Top part of illustration shows 5 bat; bottom part of 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) ¹⁶⁴		
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		

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

53 Skid Shoes – End and Center



1043090

SKID SHOES – END AND CENTER

Ref	Part Number	Description	Qty	Serial Number
1	312680	MOUNT WELDT – SKID SHOE (END)	2	
2	312675	ROD – ENGAGING OUTER RH ¹⁶⁵	1	
	378989	ROD – ENGAGING OUTER LH	1	
3	165588	ROD – ENGAGING RH ¹⁶⁶	2	
	165168	ROD – ENGAGING LH ¹⁶⁶	2	
4	50193	PIN – LYNCH ¹⁶⁷		
5	232806	BRACKET – SHOE SUPPORT ¹⁶⁸		
6	289869	SUPPORT WELDT – PLATE ¹⁶⁷		
7	289759	SHOE – WEARPLATE, POLYETHYLENE ¹⁶⁷		
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		

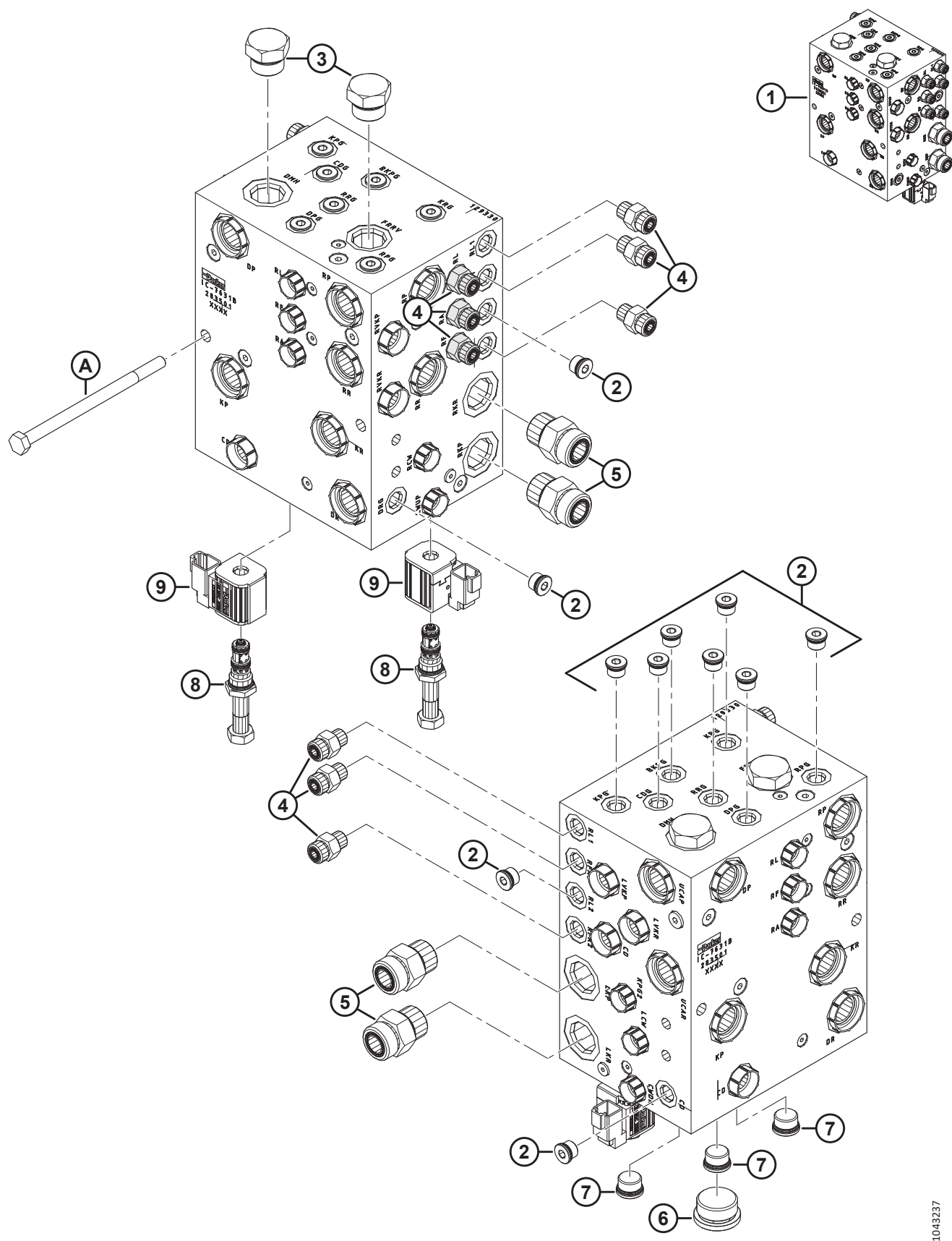
165. Right outer engaging rod shown in illustration.

166. Right inner engaging rod shown in illustration. Quantities of RH engaging rod (MD #165588) and LH engaging rod (MD #165168) are one of each for D215, D220, and D225 headers, and two of each for D230, D235, and D241 headers.

167. Quantities: D215, D220, and D225 = 4; D230, D235, and D241 = 6.

168. The orientation of this bracket varies; install bracket as shown for each center skid shoe. Compare the location of the small hole with the arrows in the illustration. Quantities: D215, D220, and D225 = 4; D230, D235, and D241 = 8.

54 Hydraulics – Manifold, Double Knife, Timed



1043237

HYDRAULICS – MANIFOLD, DOUBLE KNIFE, TIMED

Ref	Part Number	Description	Qty	Serial Number
1	283501	ASSY – TIMED DK MANIFOLD ¹⁶⁹	1	
2	100577	FITTING – PLUG HYD 6 ORB HEX SOC ¹⁷⁰	11	
	50219	O-RING – Ø1.98 X Ø11.89		
3	103575	FITTING – PLUG HYD 12 ORB HEX HD ¹⁷¹	2	
	30971	O-RING – Ø2.95 X Ø23.47		
4	135778	FITTING – ADAPTER ¹⁷²	9	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
5	135788	FITTING – ADAPTER ¹⁷³	4	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
6	136524	FITTING – PLUG HYD 16 ORB HEX SOC ¹⁷⁴	1	
	50220	O-RING – Ø2.95 X Ø29.74		
7	158174	FITTING – PLUG HYD 8 ORB HEX SOC ¹⁷⁵	3	
	44209	O-RING – Ø2.21 X Ø16.36		
8	283568	VALVE – PROPORTIONAL FLOW CNTRL ¹⁷⁶	2	
	283569	SEAL KIT		
9	283570	COIL – 12 VDC - .500 IN. ¹⁷⁷	2	
A	136850	BOLT – HEX HD M10 X 1.5 X 160-8.8-AA1J		

169. The timed double-knife manifold (MD #283501) includes all the plugs and fittings (less hardware) listed in this section.

170. Fitting (MD #105577) plugs into the following ports: CD, CDG, DPG, DRG, KPG, KRG, RPG, RKPG, and RL2.

171. Fitting (MD #103575) plugs into the following ports: DMH and FRRV.

172. Fitting (MD #135778) plugs into the following ports: RA, RF, RFA1, RFA2, RL, and RL1.

173. Fitting (MD #135788) plugs into the following ports: LKP, LKR, RKP, and RKR.

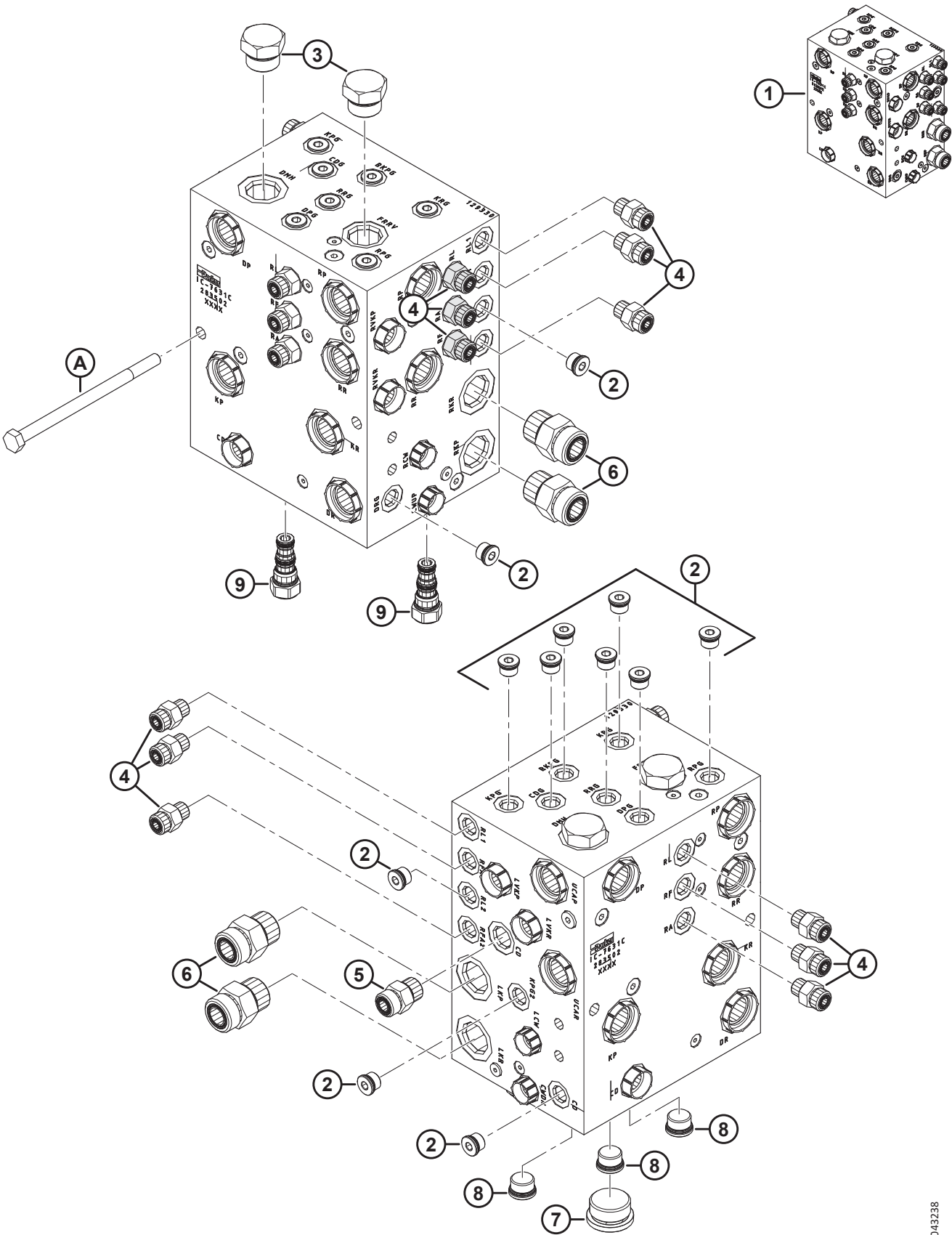
174. Fitting (MD #136524) plugs into port PLUG.

175. Fitting (MD #158174) plugs into the following ports: SV1, SV2, and PLUG.

176. Valve (MD #283568) plugs into the following ports: PV1 and PV2.

177. Coil (MD #283570) wraps around valve (MD #283568) at the following ports: PV1 and PV2.

55 Hydraulics – Manifold, Double Knife, Untimed



HYDRAULICS – MANIFOLD, DOUBLE KNIFE, UNTIMED

Ref	Part Number	Description	Qty	Serial Number
1	283502	ASSY – DK UNTIMED MANIFOLD ¹⁷⁸	1	
2	100577	FITTING – PLUG HYD 6 ORB HEX SOC ¹⁷⁹	12	
	50219	O-RING – Ø1.98 X Ø11.89		
3	103575	FITTING – PLUG HYD 12 ORB HEX HD ¹⁸⁰	2	
	30971	O-RING – Ø2.95 X Ø23.47		
4	135778	FITTING – ADAPTER ¹⁸¹	12	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
5	135780	FITTING – ADAPTER ¹⁸²	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
6	135788	FITTING – ADAPTER ¹⁸³	4	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
7	136524	FITTING – PLUG HYD 16 ORB HEX SOC ¹⁸⁴	1	
	50220	O-RING – Ø2.95 X Ø29.74		
8	158174	FITTING – PLUG HYD 8 ORB HEX SOC ¹⁸⁵	3	
	44209	O-RING – Ø2.21 X Ø16.36		
9	283567	PLUG – CAVITY ¹⁸⁶	2	
	283569	SEAL KIT		
A	136850	BOLT – HEX HD M10 X 1.5 X 160-8.8-AA1J		

178. The untimed double-knife manifold (MD #283502) includes all the plugs and fittings (less hardware) listed in this section.

179. Fitting (MD #100577) plugs into the following ports: CD, CDG, DPG, DRG, KPG, KPG2, KRG, RPG, RL2, RRG, and RKPG.

180. Fitting (MD #103575) plugs into the following ports: DMH and FRRV.

181. Fitting (MD #135778) plugs into the following ports: RA, RF, RFA1, RFA2, RL, and RL1.

182. Fitting (MD #135780) plugs into port CD.

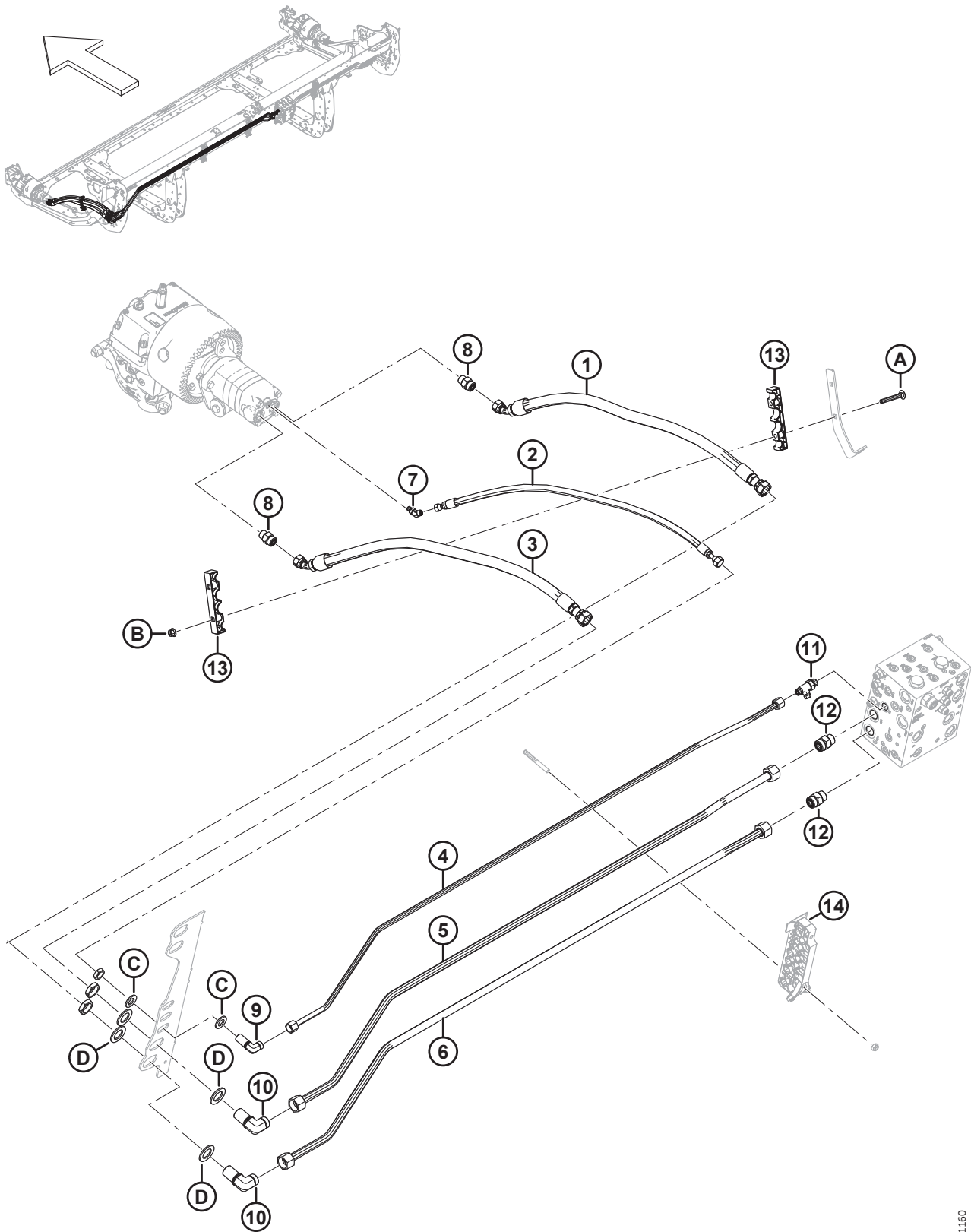
183. Fitting (MD #135788) plugs into the following ports: LKP, LKR, RKP, and RKR.

184. Fitting (MD #136524) plugs into port PLUG.

185. Fitting (MD #158174) plugs into the following ports: SV1, SV2 and PLUG.

186. Cavity plug (MD #283567) plugs into the following ports: PV1 and PV2.

56 Hydraulics – Knife Drive, Double Knife, Left Side (D215 and D220)



1041160

HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, LEFT SIDE (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	283063	HOSE – HYD	1	
2	283065	HOSE – HYD	1	
3	283202	HOSE – HYD	1	
4	323480	LINE – HYDRAULIC (D215) ¹⁸⁷	1	
	323553	LINE – HYDRAULIC (D220) ¹⁸⁸	1	
5	323481	LINE – HYDRAULIC (D215) ¹⁸⁷	1	
	323552	LINE – HYDRAULIC (D220) ¹⁸⁸	1	
6	323482	LINE – HYDRAULIC (D215) ¹⁸⁷	1	
	323551	LINE – HYDRAULIC (D220) ¹⁸⁸	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 ¹⁸⁹	1	
	135866	O-RING – Ø1.78 X Ø12.42		
10	136245	FITTING – ELBOW 90° BULKHEAD HYD ¹⁸⁹	2	
	135868	O-RING – Ø1.78 X Ø18.77		
11	136453	FITTING – TEE HYD	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135865	O-RING – Ø1.78 X Ø9.25		
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	REF	ASSY – LINE CLAMP ¹⁹⁰		
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		

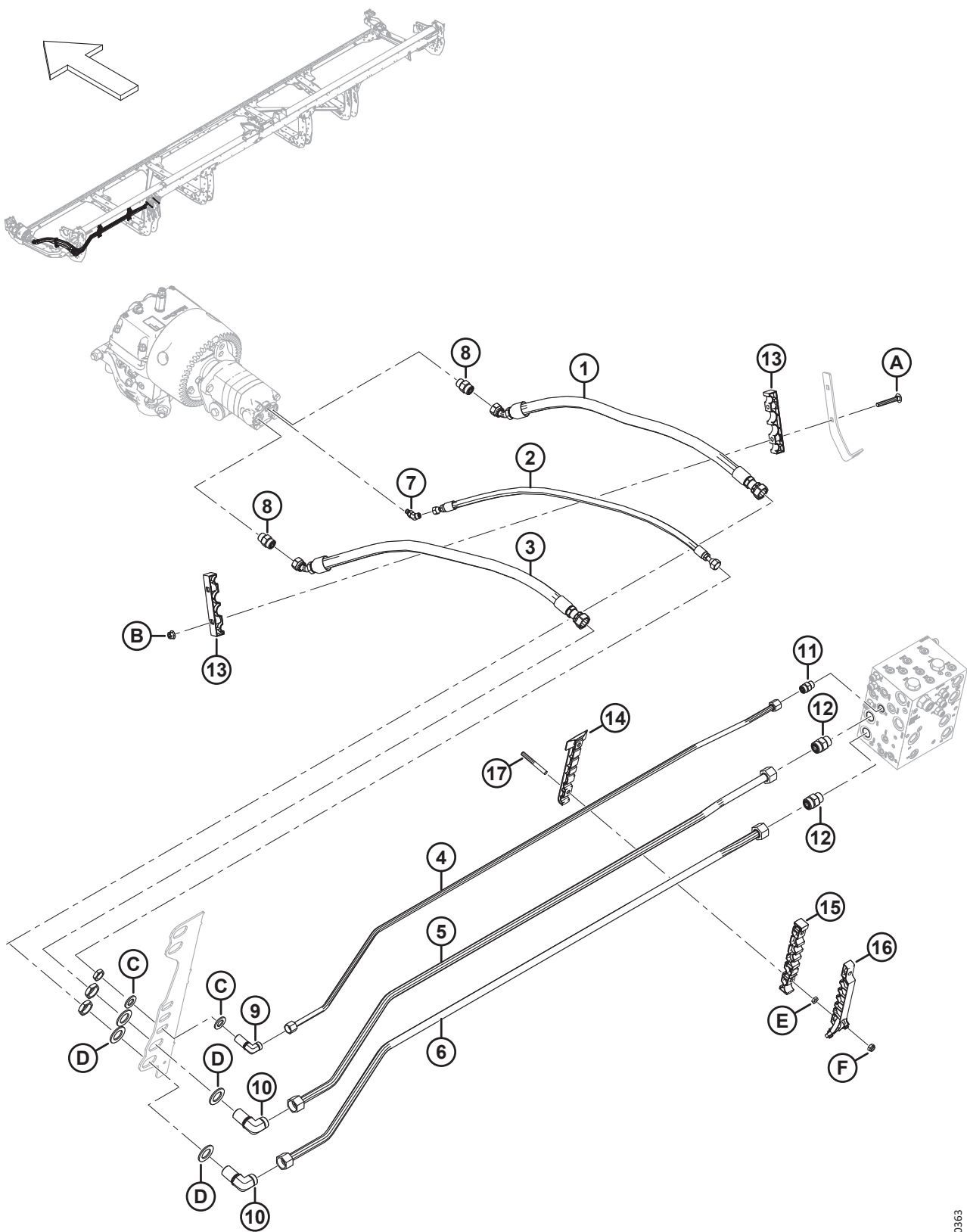
187. Used on D215 headers only.

188. Used on D220 headers only.

189. The fitting includes a securing nut.

190. Refer to Sections [78 Hydraulic Line Covers – Center, M Series \(D215\)](#), page 179 to [81 Hydraulic Line Covers – Center, M1/M2 Series \(D220\)](#), page 185 for line clamp service parts.

57 Hydraulics – Knife Drive, Double Knife, Left Side (D225, D230, D235, and D241)



1040353

HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, LEFT SIDE (D225, D230, D235, AND D241)

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 (D225) ¹⁹¹	1	
	283048	LINE – HYDRAULIC (D230) ¹⁹²	1	
	283201	LINE – HYDRAULIC (D235) ¹⁹³	1	
	283458	LINE – HYDRAULIC (D241) ¹⁹⁴	1	
5	283232	LINE – HYDRAULIC (D225) ¹⁹¹	1	
	283047	LINE – HYDRAULIC (D230) ¹⁹²	1	
	283104	LINE – HYDRAULIC (D235) ¹⁹³	1	
	283457	LINE – HYDRAULIC (D241) ¹⁹⁴	1	
6	283231	LINE – HYDRAULIC (D225) ¹⁹¹	1	
	283046	LINE – HYDRAULIC (D230) ¹⁹²	1	
	283102	LINE – HYDRAULIC (D235) ¹⁹³	1	
	283456	LINE – HYDRAULIC (D241) ¹⁹⁴	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 ¹⁹⁵	1	
	135866	O-RING – Ø1.78 X Ø12.42		
10	136245	FITTING – ELBOW 90° BULKHEAD HYD ¹⁹⁵	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		
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 ¹⁹⁶		
15	283807	CLAMP – LINE MIDDLE LH		
16	340548	KIT – LH TOP LINE CLAMP ¹⁹⁷		

191. Used on D225 headers only.

192. Used on D230 headers only.

193. Used on D235 headers only.

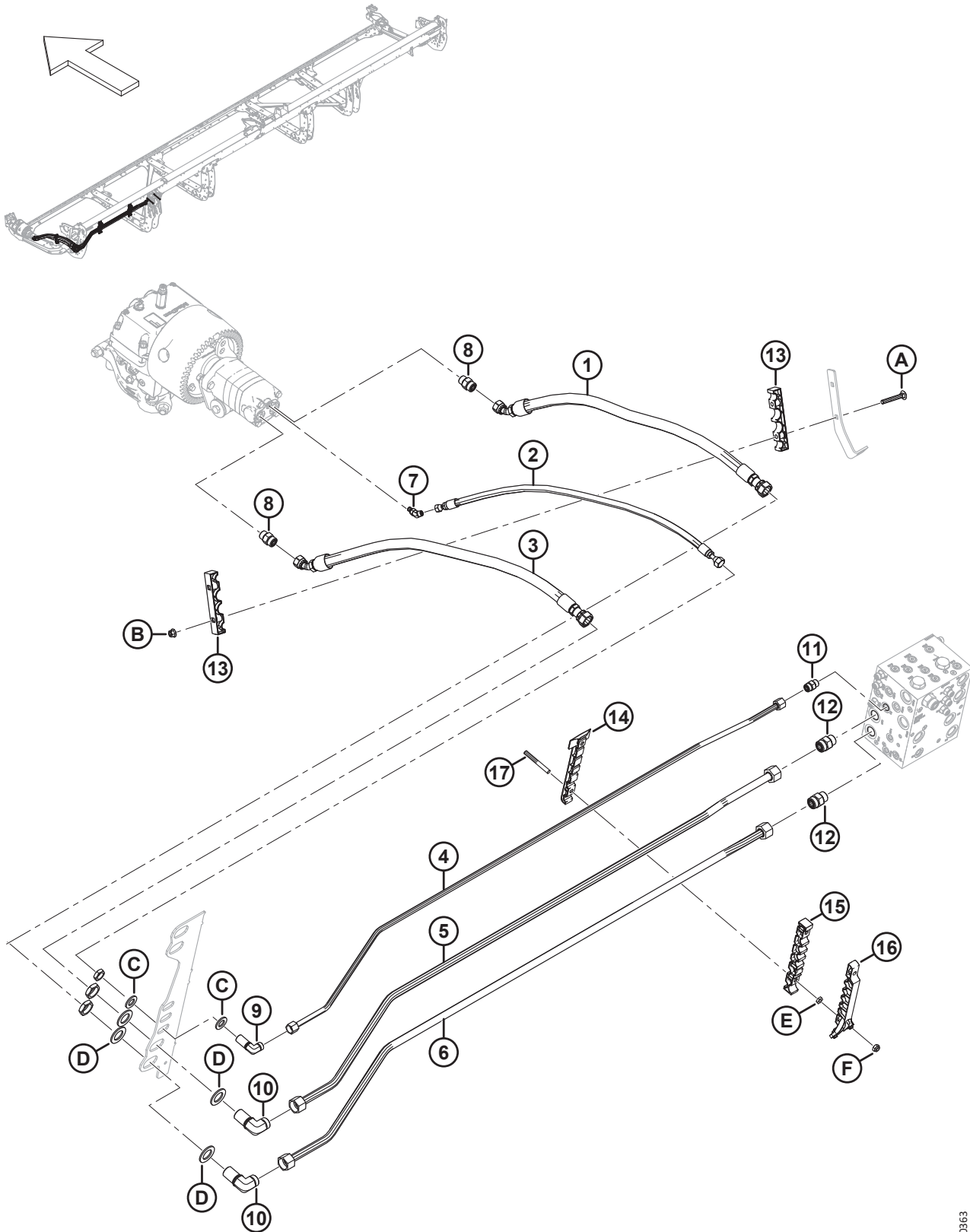
194. Used on D241 headers only.

195. The fitting includes a securing nut.

196. Quantities: D225 = 1, D230 = 2, D235 = 3, and D241 = 4.

197. Includes LH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D225 = 1, D230 = 2, D235 = 3, and D241 = 4.

HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, LEFT SIDE (D225, D230, D235, AND D241)



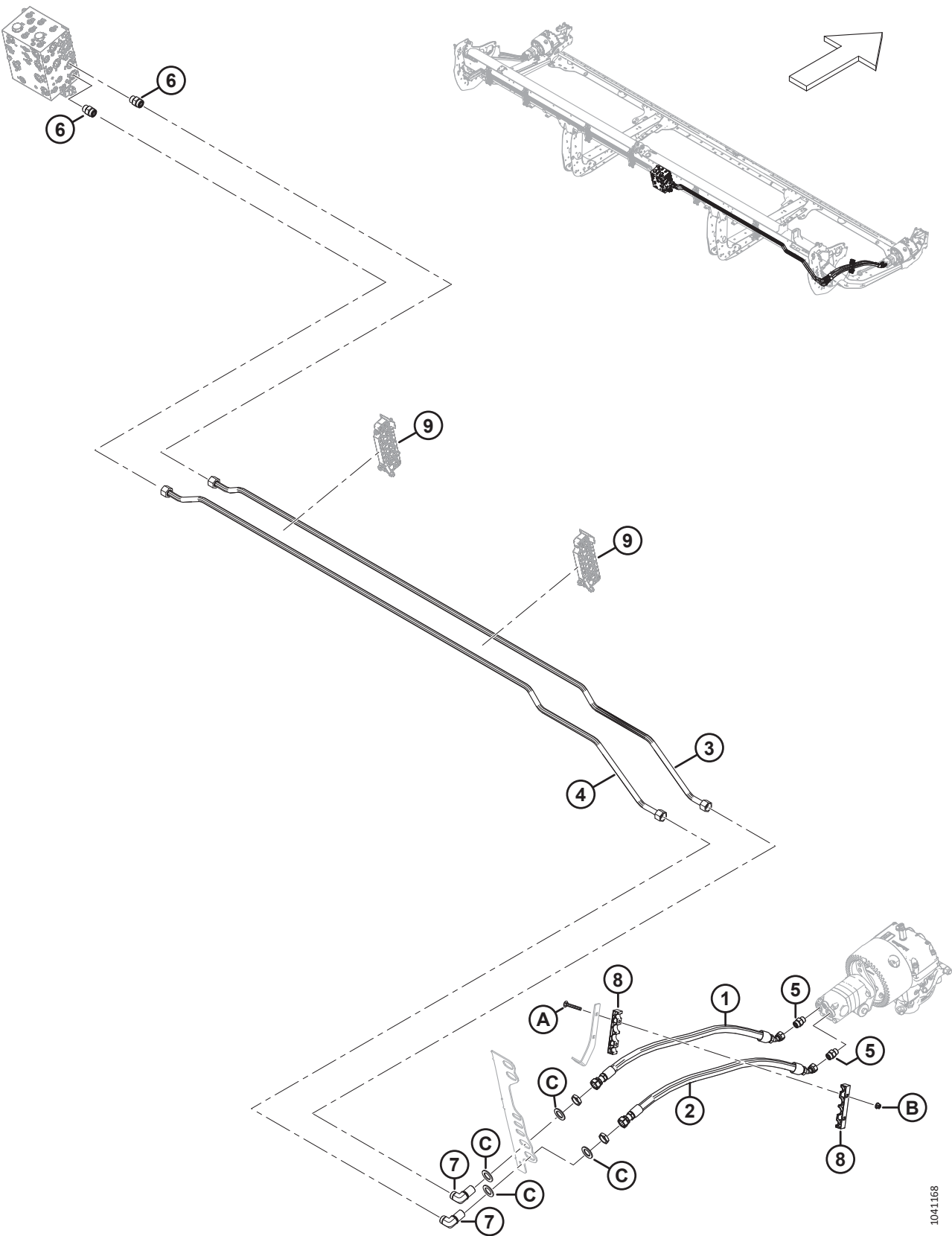
1040363

HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, LEFT SIDE (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
17	312654	STUD – THRD CLAMP PATCH WING ¹⁹⁸		
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		

198. Quantities: D225 = 2, D230 = 4, D235 = 6, and D241 = 8.

58 Hydraulics – Knife Drive, Double Knife, Right Side (D215 and D220)



1041168

HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, RIGHT SIDE (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	323454	LINE – HYDRAULIC (D215) ¹⁹⁹	1	
	323555	LINE – HYDRAULIC (D220) ²⁰⁰	1	
4	323453	LINE – HYDRAULIC (D215) ¹⁹⁹	1	
	323554	LINE – HYDRAULIC (D220) ²⁰⁰	1	
5	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING Ø2.46 X Ø19.18		
	135867	O-RING Ø1.78 X Ø15.60		
6	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
7	136245	FITTING – ELBOW 90° BULKHEAD HYD ²⁰¹	2	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283984	CLAMP – LINE KNIFE	2	
9	REF	ASSY – LINE CLAMP ²⁰²		
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		

199. Used on D215 headers only.

200. Used on D220 headers only.

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

202. Refer to Sections [78 Hydraulic Line Covers – Center, M Series \(D215\)](#), page 179 to [81 Hydraulic Line Covers – Center, M1/M2 Series \(D220\)](#), page 185 for line clamp service parts.

This exploded view diagram illustrates the assembly of a vehicle chassis. The components are numbered 1 through 17. Key parts include:

- 1, 2:** Steering knuckles or lower control arms.
- 3, 4:** Upper control arms.
- 5, 6:** Lower control arms or trailing arms.
- 7, 8:** Upper control arms or trailing arms.
- 9, 10:** Axles.
- 11:** Wheel hubs or brake components.
- 12, 13:** Suspension bushings or spacers.
- 14, 15, 16, 17:** Various bolts, nuts, and fasteners.

Dashed lines indicate the assembly sequence and alignment of the components. A large arrow in the top right corner points towards the right, indicating the direction of assembly.

HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, RIGHT SIDE (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	283241	LINE – HYDRAULIC (D225 AND D235) ²⁰³	1	
	283321	LINE – HYDRAULIC (D230) ²⁰⁴	1	
4	283240	LINE – HYDRAULIC (D225 AND D235) ²⁰³	1	
	283320	LINE – HYDRAULIC (D230) ²⁰⁴	1	
5	283323	LINE – HYDRAULIC (D235) ²⁰⁵	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283242	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283239	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283243	LINE – HYDRAULIC	1	
9	283238	LINE – HYDRAULIC	1	
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING Ø2.46 X Ø19.18		
	135867	O-RING Ø1.78 X Ø15.60		
11	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
12	136245	FITTING – ELBOW 90° BULKHEAD HYD ²⁰⁶	2	
	135868	O-RING – Ø1.78 X Ø18.77		
13	283984	CLAMP – LINE KNIFE	2	
14	283820	CLAMP – LINE BOTTOM RH ²⁰⁷		
15	283818	CLAMP – LINE MIDDLE RH ²⁰⁷		
16	340549	KIT – RH TOP LINE CLAMP ²⁰⁸		
17	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		
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		

203. Used on D225 and D235 headers only.

204. Used on D230 headers only.

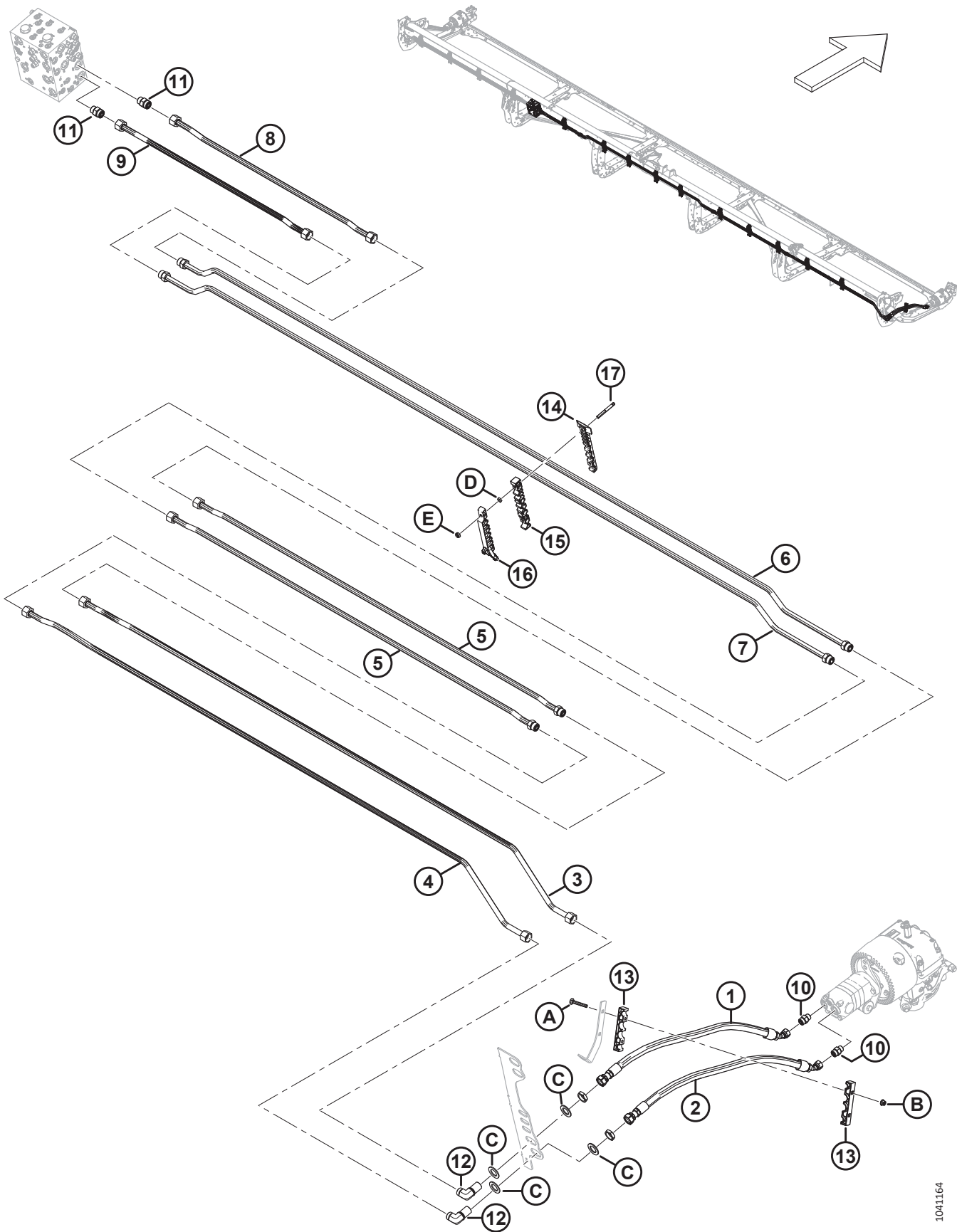
205. Used on D235 headers only.

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

207. Quantities: D225 = 7, D230 = 8, and D235 = 9.

208. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D225 = 7, D230 = 8, and D235 = 9.

60 Hydraulics – Knife Drive, Double Knife, Right Side (D241)



HYDRAULICS – KNIFE DRIVE, DOUBLE KNIFE, RIGHT SIDE (D241)

Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	283413	LINE – HYDRAULIC (D241)	1	
4	283412	LINE – HYDRAULIC (D241)	1	
5	283515	LINE – HYDRAULIC (D241)	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283242	LINE – HYDRAULIC (D241)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283239	LINE – HYDRAULIC (D241)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283243	LINE – HYDRAULIC (D241)	1	
9	283238	LINE – HYDRAULIC (D241)	1	
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING Ø2.46 X Ø19.18		
	135867	O-RING Ø1.78 X Ø15.60		
11	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
12	136245	FITTING – ELBOW 90° BULKHEAD HYD ²⁰⁹	2	
	135868	O-RING – Ø1.78 X Ø18.77		
13	283984	CLAMP – LINE KNIFE	2	
14	283820	CLAMP – LINE BOTTOM RH	10	
15	283818	CLAMP – LINE MIDDLE RH	10	
16	340549	KIT – RH TOP LINE CLAMP ²¹⁰	10	
17	312654	STUD – THRD CLAMP PATCH WING	20	
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		

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

210. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

This exploded view diagram illustrates the components and their relative positions for installing a rear axle assembly onto a vehicle chassis. The main chassis frame is shown at the top right, with a large arrow pointing right to indicate the direction of assembly.

- Chassis Frame:** The base structure at the top right.
- Rear Axle Assembly Components:**
 - 1:** Rear axle housing or differential cover.
 - 2:** Long drive shaft or axle tube.
 - 3:** Shorter drive shaft or axle tube.
 - 4:** Drive shaft or axle tube component.
 - 5:** Another drive shaft or axle tube component.
 - 6:** Small drive shaft or axle tube component.
 - 7:** Drive shaft or axle tube component.
 - 8:** Flexible drive shaft or axle tube component.
- Brake and Suspension Components:**
 - 9, 10, 17:** Brake lines and fittings.
 - 11:** Brake line fitting.
 - 12:** Brake line fitting.
 - 13, 14, 15, 16:** Various brackets and mounting hardware.
 - 18:** Brake line fitting.
 - 19:** Brake line fitting.
 - 20:** Brake line fitting.
- Other Components:**
 - A, B, C, D, E:** Specific fasteners, pins, or labels for identification.

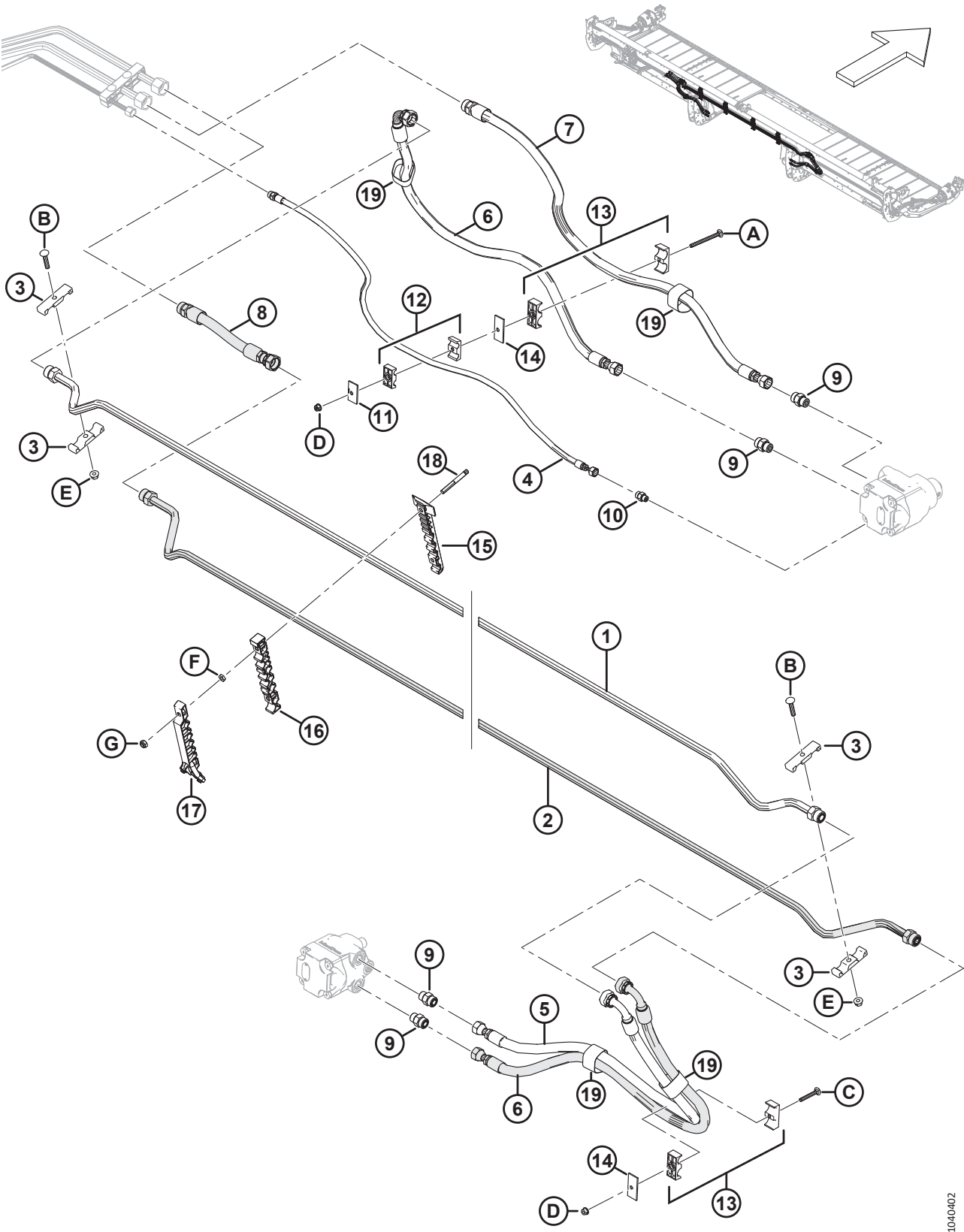
The diagram uses dashed lines to show the alignment and connection points between the various parts, ensuring they are installed correctly.

HYDRAULICS – DRAPER DRIVE, CENTER DELIVERY (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	360039	COVER – HYDRAULICS	1	
2	323839	LINE – HYDRAULIC	1	
3	323838	LINE – HYDRAULIC	1	
4	323475	LINE – HYDRAULIC	1	
5	323473	LINE – HYDRAULIC	1	
6	323472	LINE – HYDRAULIC	1	
7	323633	HOSE – HYD	1	
8	323632	HOSE – HYD	1	
9	323630	HOSE – HYD	1	
10	323629	HOSE – HYD	2	
11	283993	CLAMP – LINE DRAPER	2	
12	283990	CLAMP – LINE DRAPER	2	
13	232395	CLAMP – ASSY ²¹¹	1	
14	184303	CLAMP – COVER PLATE	1	
15	232219	CLAMP – ASSY ²¹¹	2	
16	232233	CLAMP – COVER PLATE	2	
17	184461	FITTING – ADAPTER HYD	4	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
18	135821	FITTING – ELBOW 90° HYD	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
19	135778	FITTING – ADAPTER	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
20	135443	CINCH STRAP – 4 IN. LG	4	
A	252633	BOLT – RHSN M8 X 1.25 X 100-8.8-AA1J		
B	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
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		

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

62 Hydraulics – Draper Drive, Center Delivery (D225, D230, D235, and D241)



1040402

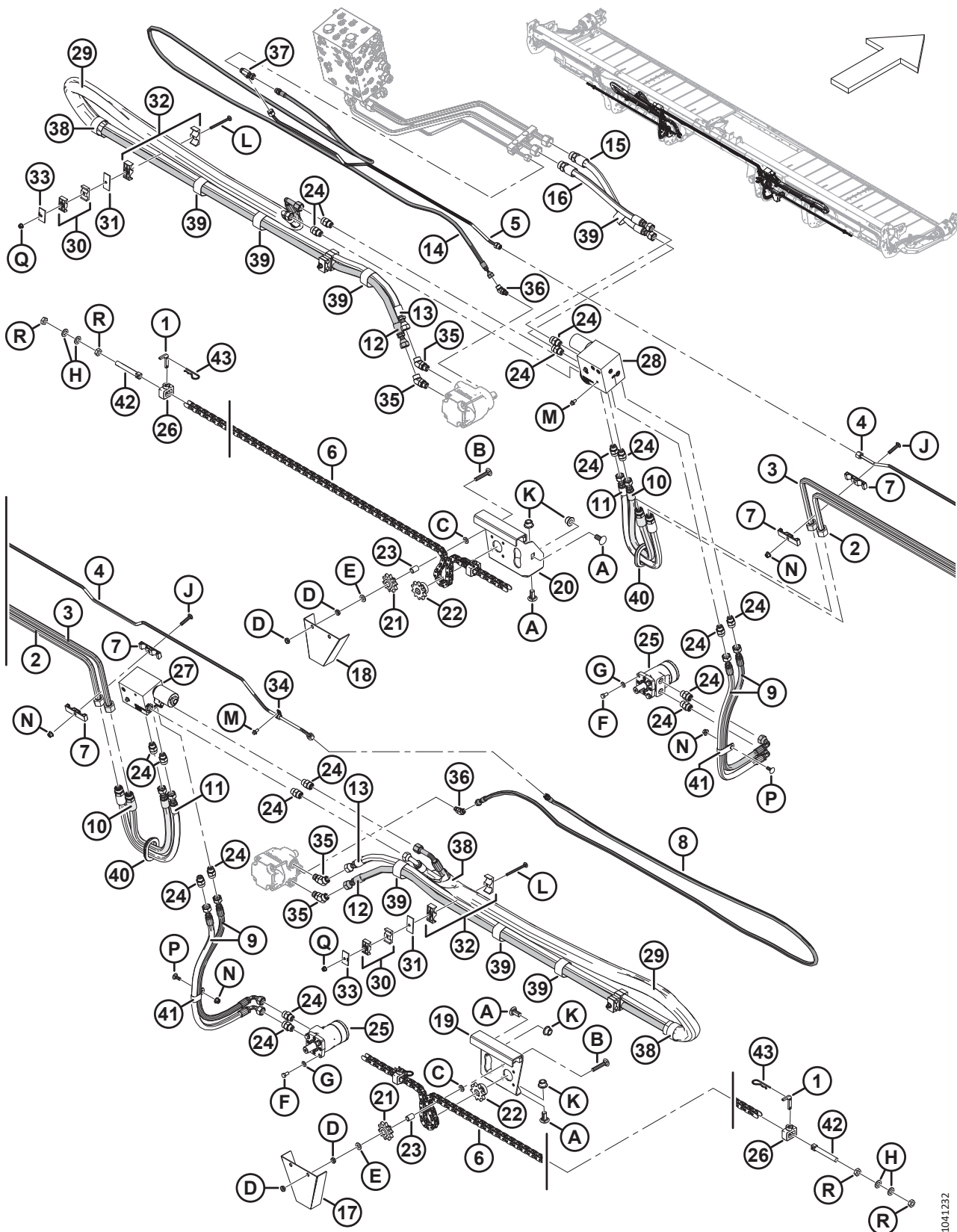
HYDRAULICS – DRAPER DRIVE, CENTER DELIVERY (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
1	283245	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
2	283244	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
3	283993	CLAMP – LINE DRAPER	4	
4	283297	HOSE – HYDRAULIC	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283296	HOSE – HYDRAULIC	1	
6	283295	HOSE – HYDRAULIC	2	
7	283294	HOSE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283293	HOSE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
9	184461	FITTING – ADAPTER HYD	4	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
10	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	184303	CLAMP – COVER PLATE	1	
12	232395	CLAMP – ASSY ²¹²	1	
13	232219	CLAMP – ASSY ²¹²	2	
14	232233	CLAMP – COVER PLATE	5	
15	283820	CLAMP – LINE BOTTOM RH	4	
16	283818	CLAMP – LINE MIDDLE RH	4	
17	340549	KIT – RH TOP LINE CLAMP ²¹³	4	
18	312654	STUD – THRD CLAMP PATCH WING	8	
19	135443	CINCH STRAP – 4 IN. LG	4	
A	252633	BOLT-RHSN M8X1.25X100-8.8-AA1J		
B	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
C	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
G	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

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

213. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

63 Hydraulics – Draper Drive, Hydraulic Deck Shift (D230 and D235)



1041232

HYDRAULICS – DRAPER DRIVE, HYDRAULIC DECK SHIFT (D230 AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	378533	HOOK – PIN BENT	4	
2	283299	LINE – HYDRAULIC	1	
3	283298	LINE – HYDRAULIC	1	
4	323410	LINE – HYDRAULIC	1	
5	323409	LINE – HYDRAULIC	1	
6	319604	CHAIN – RC-60 ZN 127 PITCHES	2	
	6636	LINK – ROLLER CHAIN CONNECTOR ²¹⁴	A/R	
7	283993	CLAMP – LINE DRAPER	4	
8	283790	HOSE – HYD	1	
9	283307	HOSE – HYD	4	
10	283306	HOSE – HYD	2	
11	283305	HOSE – HYD	2	
12	283304	HOSE – HYD	2	
13	283303	HOSE – HYD	2	
14	283302	HOSE – HYD	1	
15	283301	HOSE – HYD	1	
16	283300	HOSE – HYD	1	
17	378917	COVER – RH DECK SHIFT MOTOR	1	
18	378916	COVER – LH DECK SHIFT MOTOR	1	
19	251415	SUBWELDT – RH MOTOR MOUNT	1	
20	251414	SUBWELDT – LH MOTOR MOUNT	1	
21	233280	ASSEMBLY – SPROCKET C/W BUSHING ²¹⁵	4	
	156501	BUSHING – PLASTIC	4	
22	232369	SPROCKET – RC60B-10T	2	
23	224795	TUBE – SPACER	4	
24	184461	FITTING – ADAPTER HYD	18	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
25	120518	MOTOR – HYD	2	
	132758	SEAL KIT		
	123306	KEY – WOODRUFF (1/4 X 1 NOM.)		
26	232813	STOP – CHAIN, MACHINED	4	
27	232747	MANIFOLD – RH DECK SHIFT ²¹⁶	1	
	232371	VALVE – 4-WAY CARTRIDGE		
	184461	FITTING – ADAPTER HYD		
28	232746	MANIFOLD – LH DECK SHIFT ²¹⁷	1	
	184461	FITTING – ADAPTER HYD		
	232371	VALVE – 4-WAY CARTRIDGE		
29	232632	SLEEVE – HOSE	2	
30	232395	CLAMP – ASSY ²¹⁸	4	
31	232233	CLAMP – COVER PLATE	4	

214. Service part for chain (MD #319604).

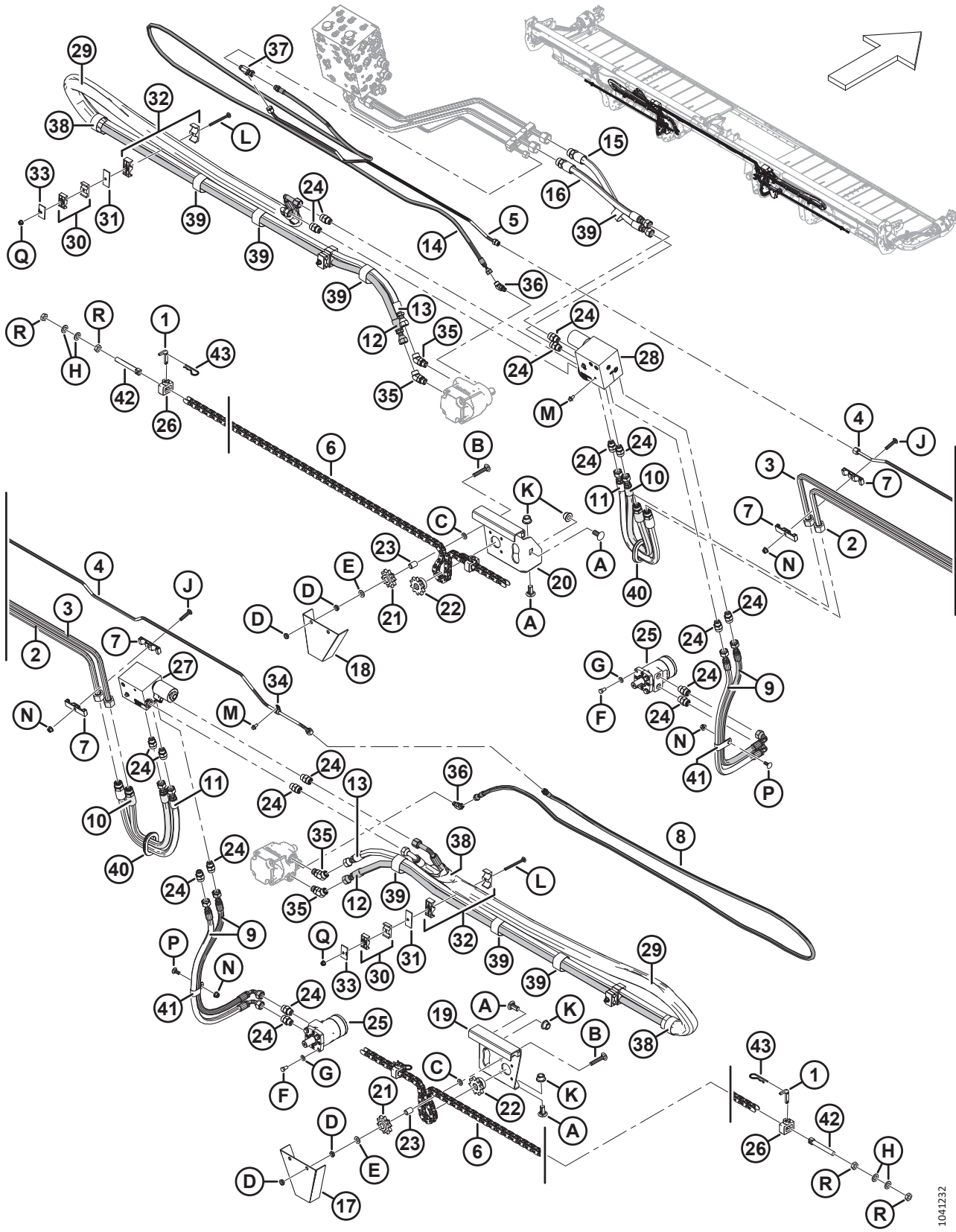
215. The sprocket assembly includes sprocket (NSS) and plastic bushing (MD #156501).

216. The right deck shift manifold includes one valve (MD #232371) and six adapter fittings (MD #184461).

217. The left deck shift manifold includes one valve (MD #232371) and eight adapter fittings (MD #184461).

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

HYDRAULICS – DRAPER DRIVE, HYDRAULIC DECK SHIFT (D230 AND D235)

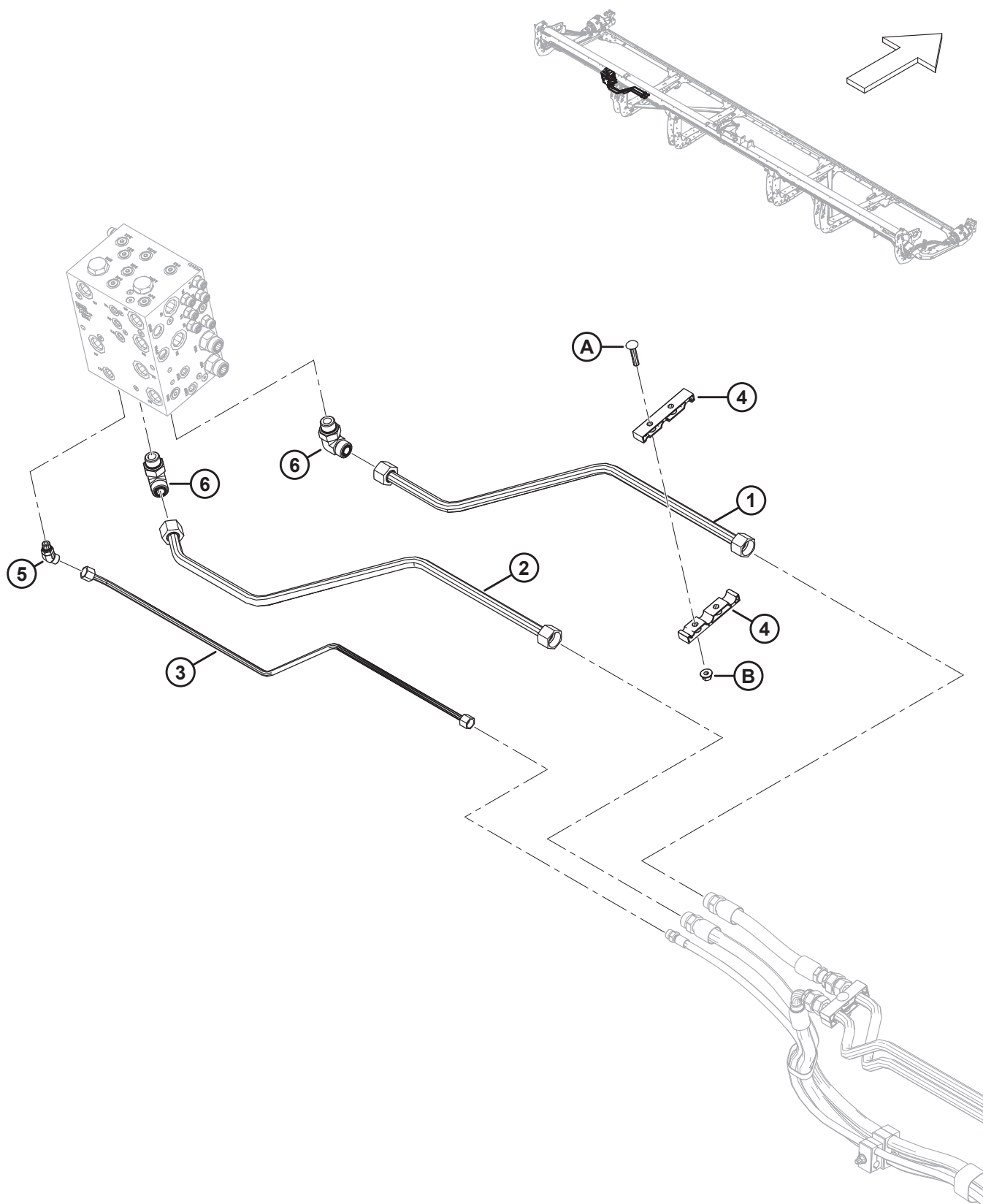


1041232

HYDRAULICS – DRAPER DRIVE, HYDRAULIC DECK SHIFT (D230 AND D235)

Ref	Part Number	Description	Qty	Serial Number
32	232219	CLAMP – ASSY ²¹⁸	4	
33	184303	CLAMP – COVER PLATE	4	
34	136410	CLAMP – INSULATED 3/8 IN.	1	
35	136327	FITTING – ELBOW 45° HYD	4	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
36	136144	FITTING – ELBOW 45° HYD	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
37	136097	FITTING – TEE HYD	1	
	135865	O-RING – 1.78 X 9.25		
38	135444	CINCH STRAP – 6 IN. LG	4	
39	135443	CINCH STRAP – 4 IN. LG	7	
40	123982	GROMMET – 53.7 MM I.D.	2	
41	103738	CLAMP – PVC INSULATED 13/16 IN. TUBE SIZE	2	
42	102602	STUD	2	
43	13125	PIN – HAIR	4	
A	252638	BOLT – RHSSN M16 X 2 X 35-8.8-AA1J		
B	320203	BOLT – RHSN M12 X 1.75 X 70-8.8-ZINC		
C	184714	WASHER – FLAT REG M12-300HV		
D	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		
E	135369	WASHER – HARDENED ASTM F436 1/2		
F	21567	BOLT – HEX HD 3/8-16 X 0.75 GR5-AA1J		
G	18598	WASHER – FLAT SAE 13/32 ID X 13/16 IN. OD AA1J		
H	184717	WASHER – FLAT REG M16-200HV-AA1J		
J	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
K	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
L	252633	BOLT – RHSN M8 X 1.25 X 100-8.8-AA1J		
M	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
N	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
P	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
Q	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
R	21345	NUT – HEX JAM 5/8-11 UNC GR5 AA1J		

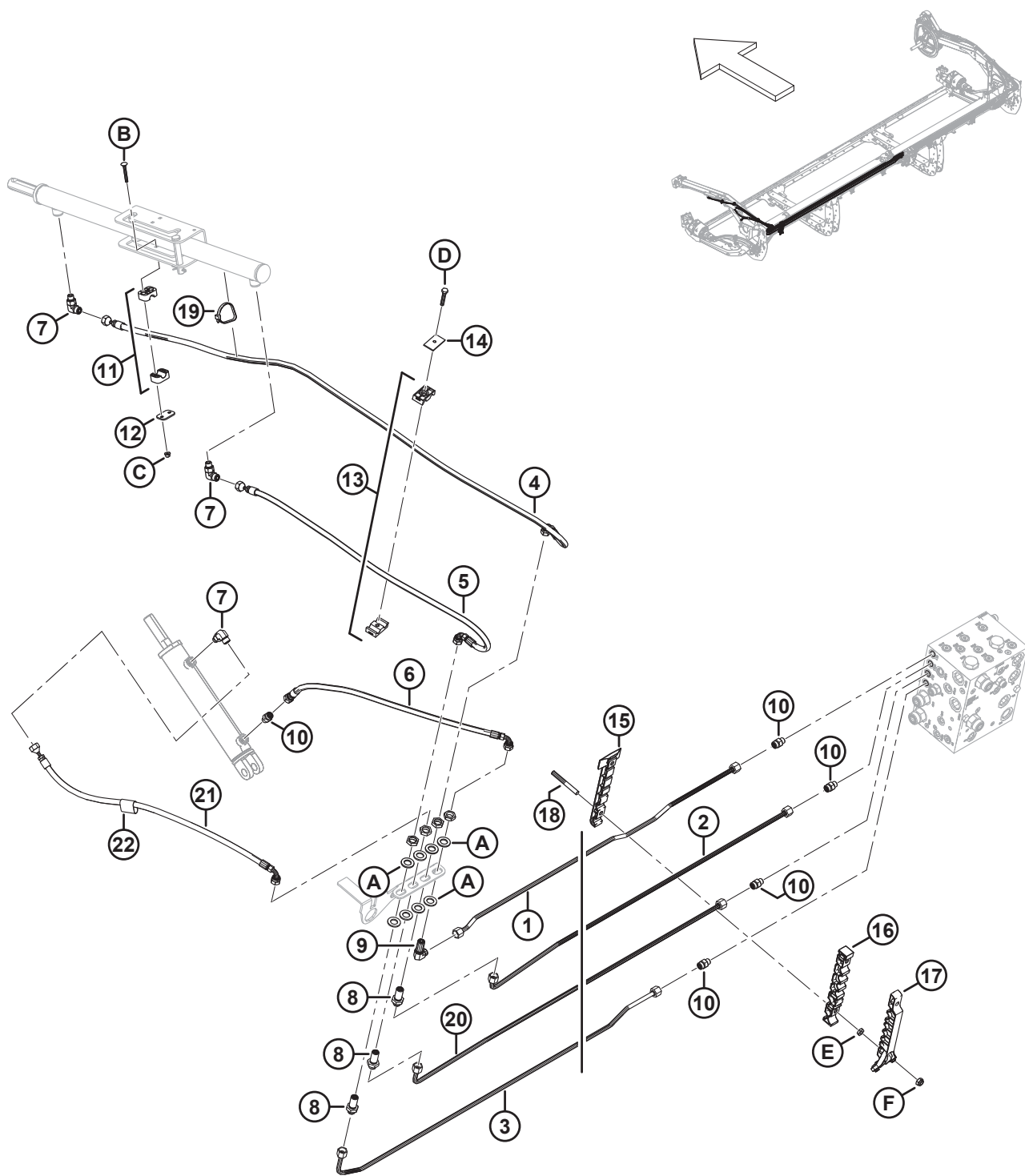
64 Hydraulics – Draper Drive, Manifold Lines



HYDRAULICS – DRAPER DRIVE, MANIFOLD LINES

Ref	Part Number	Description	Qty	Serial Number
1	283283	LINE – HYDRAULIC	1	
2	283284	LINE – HYDRAULIC	1	
3	283285	LINE – HYDRAULIC	1	
4	283990	CLAMP – LINE DRAPER	2	
5	136144	FITTING – ELBOW 45° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
6	135821	FITTING – ELBOW 90° HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
	30971	O-RING – Ø2.95 X Ø23.47		
A	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

65 Hydraulics – Lift and Fore-Aft, Single Reel, Left Arm (D215 and D220)



HYDRAULICS – LIFT AND FORE-AFT, SINGLE REEL, LEFT ARM (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	323505	LINE – HYDRAULIC (D215) ²¹⁹	1	
	323556	LINE – HYDRAULIC (D220) ²²⁰	1	
2	323536	LINE – HYDRAULIC (D215) ²¹⁹	1	
	323557	LINE – HYDRAULIC (D220) ²²⁰	1	
3	323483	LINE – HYDRAULIC (D215) ²¹⁹	1	
	323559	LINE – HYDRAULIC (D220) ²²⁰	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 ²²¹	3	
	135865	O-RING – Ø1.78 X Ø9.25		
9	136150	FITTING – ELBOW 90° BLKHD HYD ²²¹	1	
	135865	O-RING – Ø1.78 X Ø9.25		
10	135778	FITTING – ADAPTER	5	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	283791	CLAMP – ASSY ²²²	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY ²²²	1	
14	184303	CLAMP – COVER PLATE	1	
15	283820	CLAMP – LINE BOTTOM RH	1	
16	283818	CLAMP – LINE MIDDLE RH	1	
17	340549	KIT – RH TOP LINE CLAMP ²²³	1	
18	312654	STUD – THRD CLAMP PATCH WING	2	
19	30753	FASTENER – CABLE TIE, BLACK	1	
20	323537	LINE – HYDRAULIC (D215)	1	
	323558	LINE – HYDRAULIC (D220)	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		

219. Used on D215 headers only.

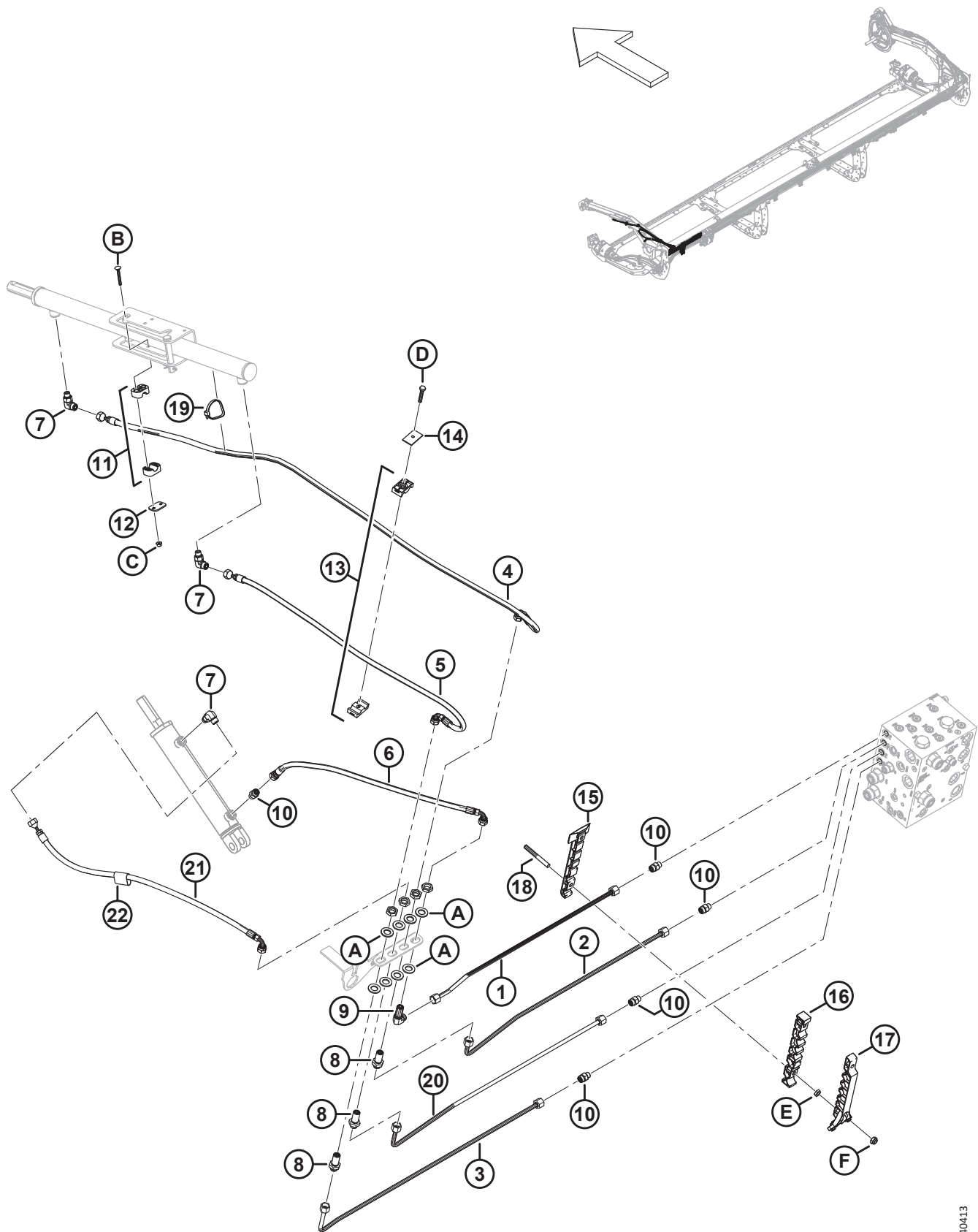
220. Used on D220 headers only.

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

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

223. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

66 Hydraulics – Lift and Fore-Aft, Single Reel, Left Arm (D225)



HYDRAULICS – LIFT AND FORE-AFT, SINGLE REEL, LEFT ARM (D225)

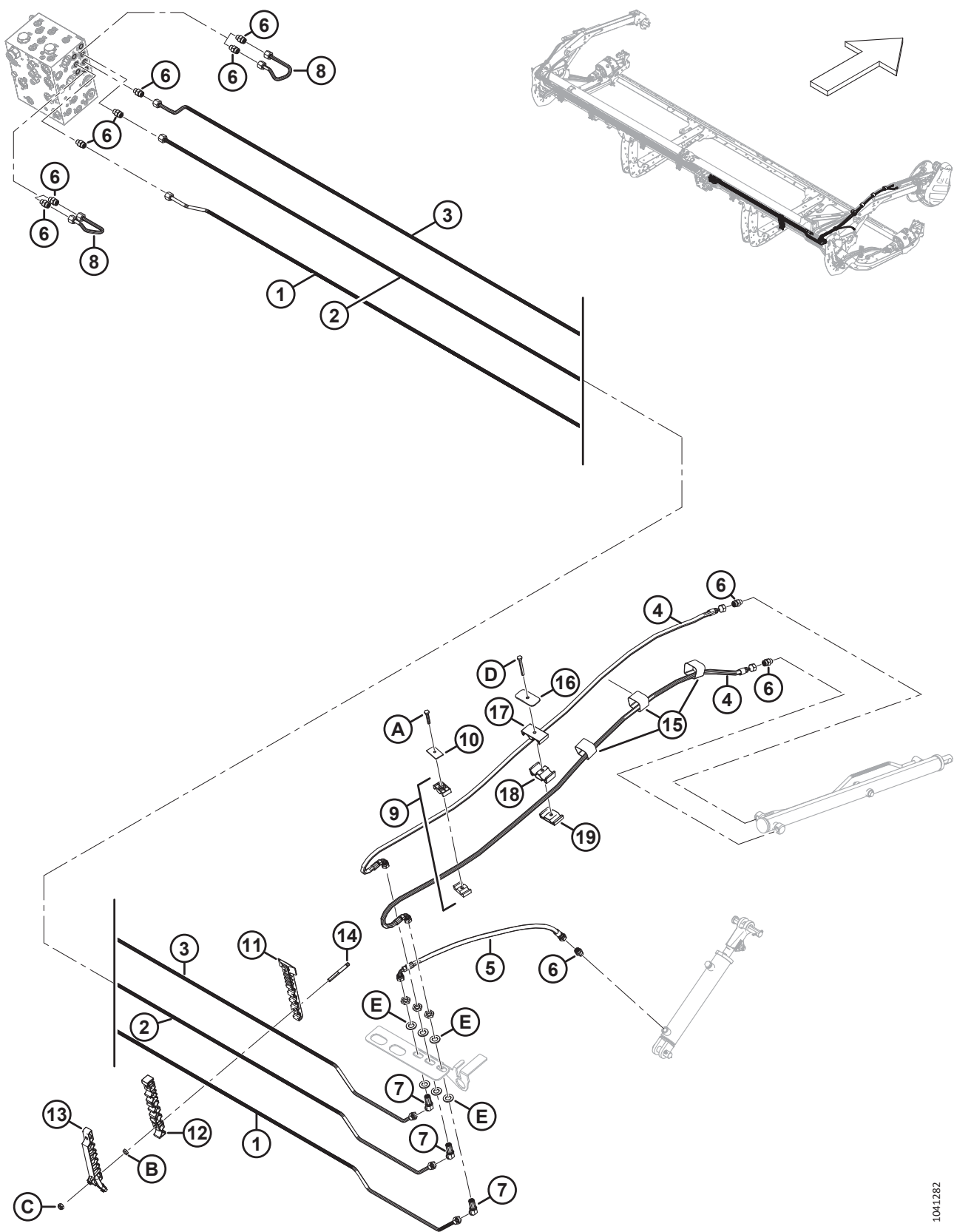
Ref	Part Number	Description	Qty	Serial Number
1	283249	LINE – HYDRAULIC (D225)	1	
2	283248	LINE – HYDRAULIC (D225)	1	
3	283246	LINE – HYDRAULIC (D225)	1	
4	283057	HOSE – HYD	1	
5	283058	HOSE – HYD	1	
6	283059	HOSE – HYD	1	
7	136095	FITTING – ELBOW 90° HYD	3	
8	136145	FITTING – BULKHEAD UNION HYD ²²⁴	3	
	135865	O-RING – Ø1.78 X Ø9.25		
9	136150	FITTING – ELBOW 90° BLKHD HYD ²²⁴	1	
	135865	O-RING – Ø1.78 X Ø9.25		
10	135778	FITTING – ADAPTER	5	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	283791	CLAMP – ASSY ²²⁵	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY ²²⁵	1	
14	184303	CLAMP – COVER PLATE	1	
15	283797	CLAMP – LINE BOTTOM LH	1	
16	283807	CLAMP – LINE MIDDLE LH	1	
17	340548	KIT – LH TOP LINE CLAMP ²²⁶	1	
18	312654	STUD – THRD CLAMP PATCH WING	2	
19	30753	FASTENER – CABLE TIE, BLACK	1	
20	283247	LINE – HYDRAULIC (D225)	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		

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

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

226. Includes LH top line clamp (NSS) and two Torx® screws (MD #320336).

67 Hydraulics – Lift and Fore-Aft, Single Reel, Right Arm (D215 and D220)



HYDRAULICS – LIFT AND FORE-AFT, SINGLE REEL, RIGHT ARM (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	323463	LINE – HYDRAULIC (D215) ²²⁷	1	
	323564	LINE – HYDRAULIC (D220) ²²⁸	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	323464	LINE – HYDRAULIC (D215) ²²⁷	1	
	323563	LINE – HYDRAULIC (D220) ²²⁸	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	323465	LINE – HYDRAULIC (D215) ²²⁷	1	
	323562	LINE – HYDRAULIC (D220) ²²⁸	1	
	135865	O-RING – Ø1.78 X Ø9.25		
4	283327	HOSE – HYD	2	
5	283059	HOSE – HYD	1	
6	135778	FITTING – ADAPTER	10	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
7	136146	FITTING – ELBOW 45° BLKHD HYD ²²⁹	3	
8	283251	LINE – HYDRAULIC	2	
9	232395	CLAMP – ASSY ²³⁰	1	
10	184303	CLAMP – COVER PLATE	1	
11	283820	CLAMP – LINE BOTTOM RH	1	
12	283818	CLAMP – LINE MIDDLE RH	1	
13	340549	KIT – RH TOP LINE CLAMP ²³¹	1	
14	312654	STUD – THRD CLAMP PATCH WING	2	
15	135444	CINCH STRAP – 4 IN. LG	3	
16	323023	PLATE – CLAMP CENTER REEL ARM	1	
17	283989	PLATE – HOSE REEL TOP	1	
18	283988	PLATE – HOSE REEL MIDDLE	1	
19	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		

227. Used on D215 headers only.

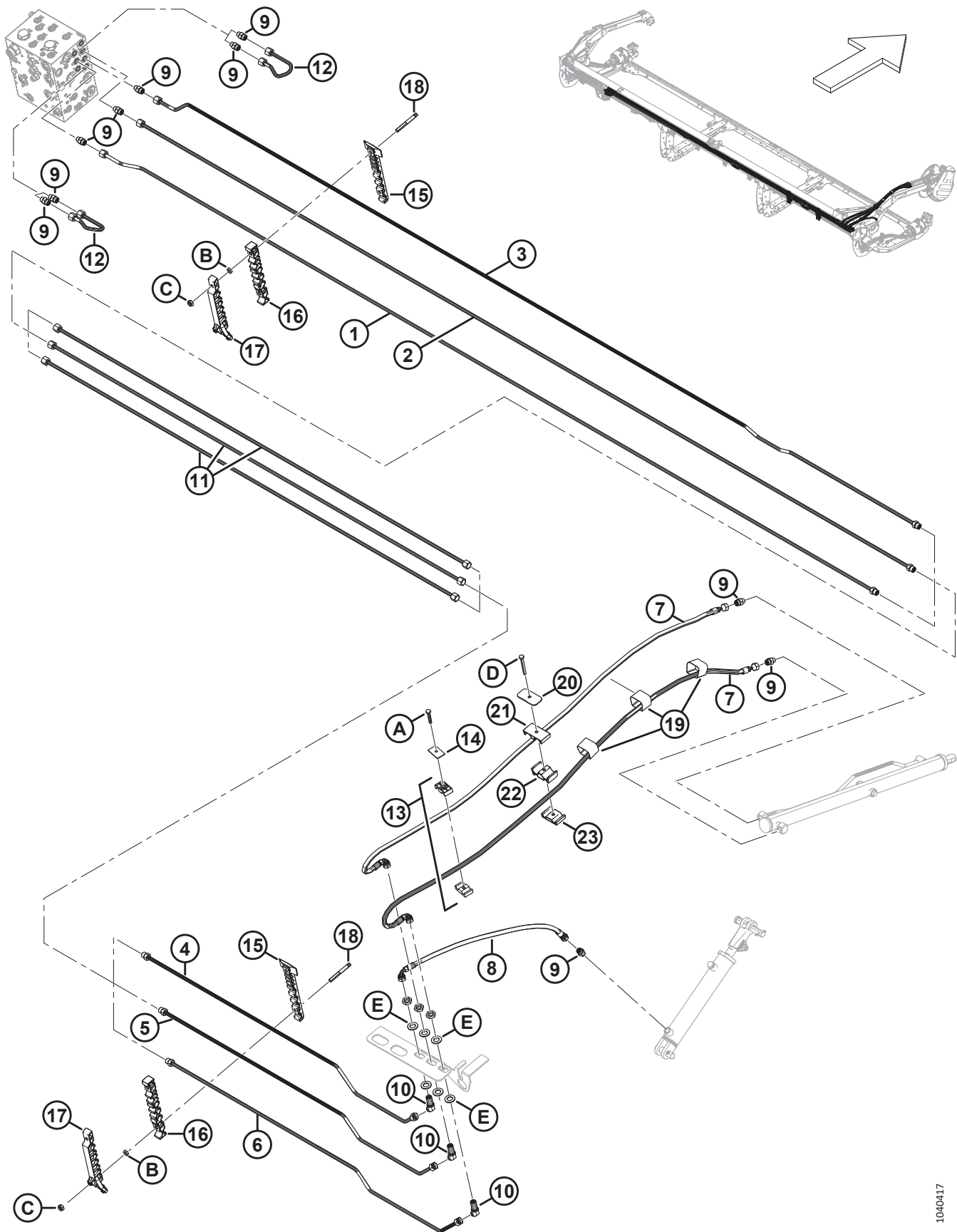
228. Used on D220 headers only.

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

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

231. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

68 Hydraulics – Lift and Fore-Aft, Single Reel, Right Arm (D225)



HYDRAULICS – LIFT AND FORE-AFT, SINGLE REEL, RIGHT ARM (D225)

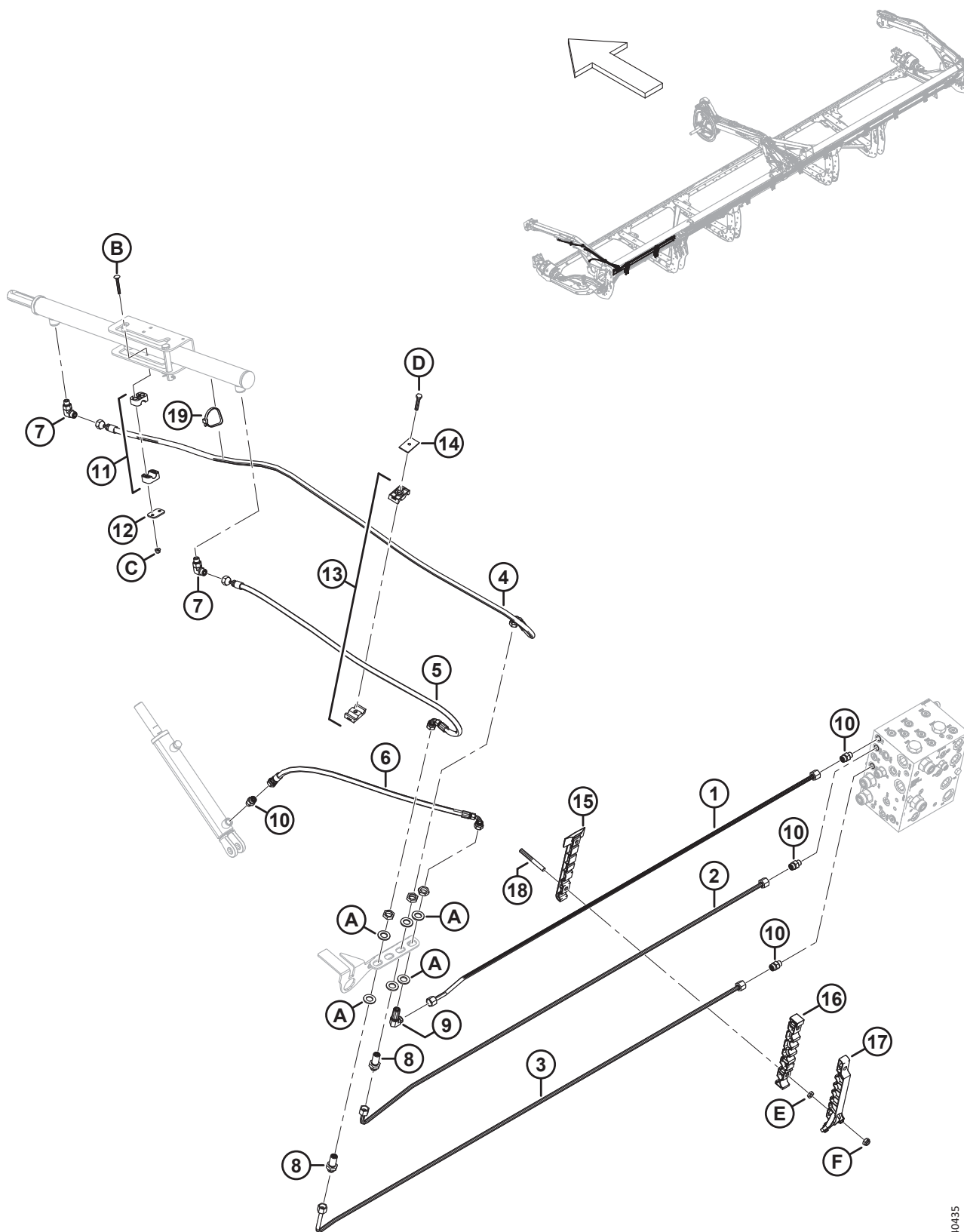
Ref	Part Number	Description	Qty	Serial Number
1	283260	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283262	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	283258	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
4	283259	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283261	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283263	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283327	HOSE – HYD	2	
8	283059	HOSE – HYD	1	
9	135778	FITTING – ADAPTER	10	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	136146	FITTING – ELBOW 45° BLKHD HYD ²³²	3	
11	283750	LINE – HYDRAULIC (D225)	3	
	135865	O-RING – Ø1.78 X Ø9.25		
12	283251	LINE – HYDRAULIC	2	
13	232395	CLAMP – ASSY ²³³	1	
14	184303	CLAMP – COVER PLATE	1	
15	283820	CLAMP – LINE BOTTOM RH	7	
16	283818	CLAMP – LINE MIDDLE RH	7	
17	340549	KIT – RH TOP LINE CLAMP ²³⁴	7	
18	312654	STUD – THRD CLAMP PATCH WING	14	
19	135444	CINCH STRAP – 4 IN. LG	3	
20	323023	PLATE – CLAMP CENTER REEL ARM	1	
21	283989	PLATE – HOSE REEL TOP	1	
22	283988	PLATE – HOSE REEL MIDDLE	1	
23	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		

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

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

234. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

69 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (D230, D235, and D241)



1040435

HYDRAULICS – LIFT AND FORE-AFT, DOUBLE REEL, LEFT ARM (D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
1	283056	LINE – HYDRAULIC (D230) ²³⁵	1	
	283144	LINE – HYDRAULIC (D235) ²³⁶	1	
	283183	LINE – HYDRAULIC (D241) ²³⁷	1	
2	283055	LINE – HYDRAULIC (D230) ²³⁵	1	
	283143	LINE – HYDRAULIC (D235) ²³⁶	1	
	283182	LINE – HYDRAULIC (D241) ²³⁷	1	
3	283053	LINE – HYDRAULIC (D230) ²³⁵	1	
	283141	LINE – HYDRAULIC (D235) ²³⁶	1	
	283180	LINE – HYDRAULIC (D241) ²³⁷	1	
4	283057	HOSE – HYD	1	
5	283058	HOSE – HYD	1	
6	283059	HOSE – HYD	1	
7	136095	FITTING – ELBOW 90° HYD	2	
8	136145	FITTING – BULKHEAD UNION HYD ²³⁸	2	
9	136150	FITTING – ELBOW 90° BLKHD HYD ²³⁸	1	
10	135778	FITTING – ADAPTER	4	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	283791	CLAMP – ASSY ²³⁹	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY ²³⁹	1	
14	184303	CLAMP – COVER PLATE	1	
15	283797	CLAMP – LINE BOTTOM LH ²⁴⁰		
16	283807	CLAMP – LINE MIDDLE LH ²⁴⁰		
17	340548	KIT – LH TOP LINE CLAMP ²⁴¹		
18	312654	STUD – THRD CLAMP PATCH WING ²⁴²		
19	30753	FASTENER – CABLE TIE, BLACK	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		

235. Used on D230 headers only.

236. Used on D235 headers only.

237. Used on D241 headers only.

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

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

240. Quantities: D230 = 2, D235 = 3, and D241 = 4.

241. Includes LH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D230 = 2, D235 = 3, and D241 = 4.

242. Quantities: D230 = 4, D235 = 6, and D241 = 8.

Revision A

HYDRAULICS – LIFT AND FORE-AFT, DOUBLE REEL, CENTER ARM (D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
1	283523	LINE – HYDRAULIC	1	
2	283520	LINE – HYDRAULIC	1	
3	283522	LINE – HYDRAULIC	1	
4	283521	LINE – HYDRAULIC	1	
5	283526	LINE – HYDRAULIC (D230, D235) ²⁴³	1	
	283810	LINE – HYDRAULIC (D241) ²⁴⁴	1	
6	135778	FITTING – ADAPTER	6	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
7	136240	FITTING – TEE HYD	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
8	136144	FITTING – ELBOW 45° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
9	136095	FITTING – ELBOW 90° HYD	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	283820	CLAMP – LINE BOTTOM RH	3	
11	283818	CLAMP – LINE MIDDLE RH	3	
12	340549	KIT – RH TOP LINE CLAMP ²⁴⁵	3	
13	312654	STUD – THRD CLAMP PATCH WING	6	
14	135444	CINCH STRAP – 6 IN. LG	4	
15	283989	CLAMP – HOSE REEL TOP	1	
16	283988	CLAMP – HOSE REEL MIDDLE	1	
17	283987	CLAMP – HOSE REEL BOTTOM	1	
18	323023	PLATE – CLAMP CENTER REEL ARM	1	
19	283582	HOSE – HYD, 1/4 IN ID, 350 MM LG, 100R17	2	
20	283785	HOSE – HYD, 1/4 IN ID, 240 MM LG, 100R17	1	
21	283747	HOSE – HYD, 1/4 IN ID, 475 MM LG, 100R17	1	
22	323018	HOSE – HYD, 1/4 IN ID, 1530 MM LG, 100R17	1	
23	283581	HOSE – HYD, 1/4 IN ID, 1505 MM LG, 100R17	1	
24	136145	FITTING – BULKHEAD UNION HYD ²⁴⁶	5	
	135865	O-RING – Ø1.78 X Ø9.25		
25	112640	GROMMET	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		
D	136540	WASHER – FLAT		

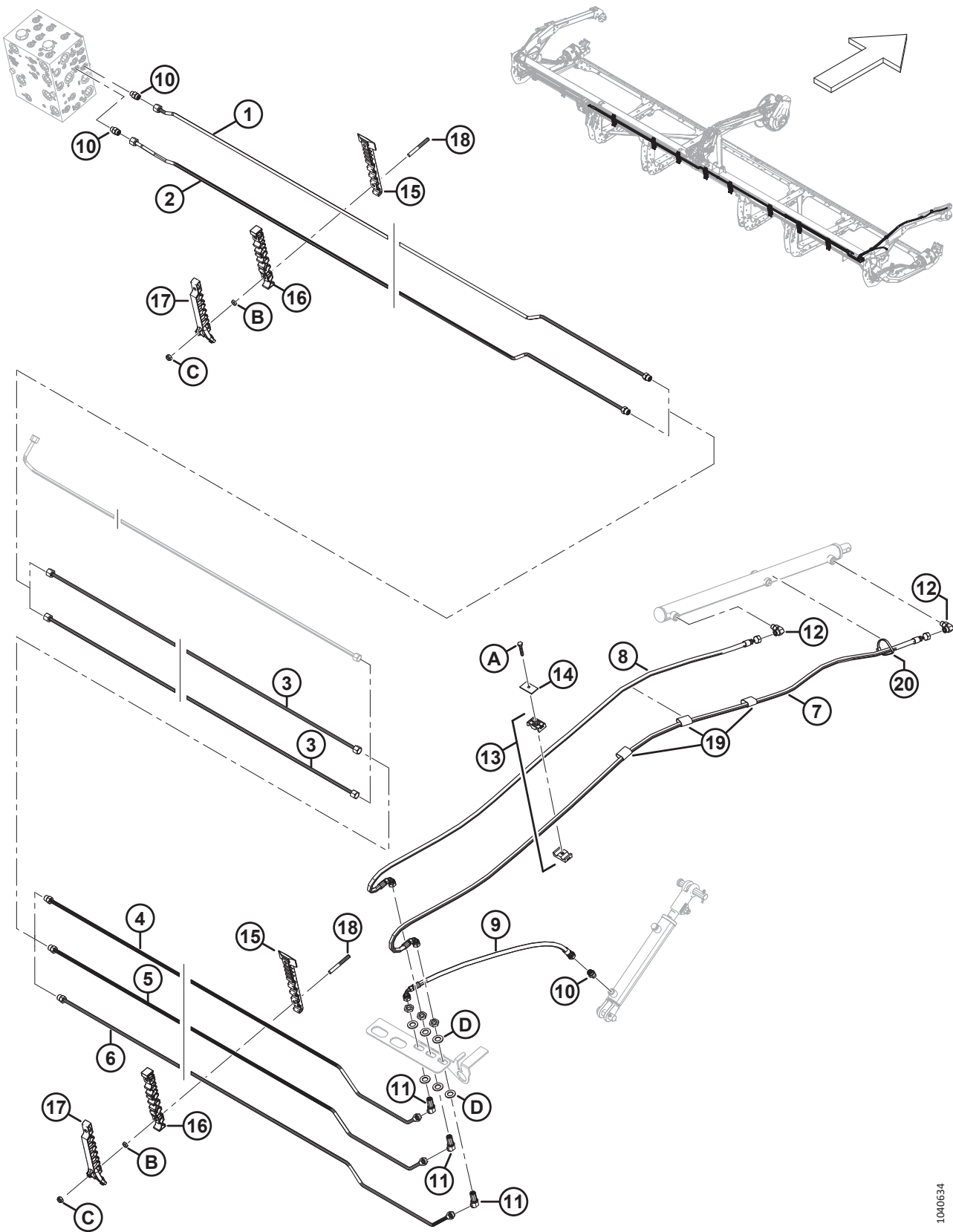
243. Used on D230 and D235 headers only.

244. Used on D241 headers only.

245. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

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

71 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (D230 and D235)



HYDRAULICS – LIFT AND FORE-AFT, DOUBLE REEL, RIGHT ARM (D230 AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	283533	LINE – HYDRAULIC (D230 AND D235)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283540	LINE – HYDRAULIC (D230 AND D235)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	283750	LINE – HYDRAULIC (D230 AND D235)	2	
4	283527	LINE – HYDRAULIC (D230) ²⁴⁷	1	
	283528	LINE – HYDRAULIC (D235) ²⁴⁸	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283534	LINE – HYDRAULIC (D230) ²⁴⁷	1	
	283535	LINE – HYDRAULIC (D235) ²⁴⁸	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283541	LINE – HYDRAULIC (D230) ²⁴⁷	1	
	283542	LINE – HYDRAULIC (D235) ²⁴⁸	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283074	HOSE – HYD	1	
8	283075	HOSE – HYD	1	
9	283059	HOSE – HYD	1	
10	135778	FITTING – ADAPTER	3	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	136146	FITTING – ELBOW 45° BLKHD HYD ²⁴⁹	3	
12	136095	FITTING – ELBOW 90° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
13	232395	CLAMP – ASSY ²⁵⁰	2	
14	184303	CLAMP – COVER PLATE	2	
15	283820	CLAMP – LINE BOTTOM RH ²⁵¹		
16	283818	CLAMP – LINE MIDDLE RH ²⁵¹		
17	340549	KIT – RH TOP LINE CLAMP ²⁵²		
18	312654	STUD – THRD CLAMP PATCH WING ²⁵³		
19	135443	CINCH STRAP – 4 IN. LG	3	
20	30753	FASTENER – CABLE TIE, BLACK	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		

247. Used on D230 headers only.

248. Used on D235 headers only.

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

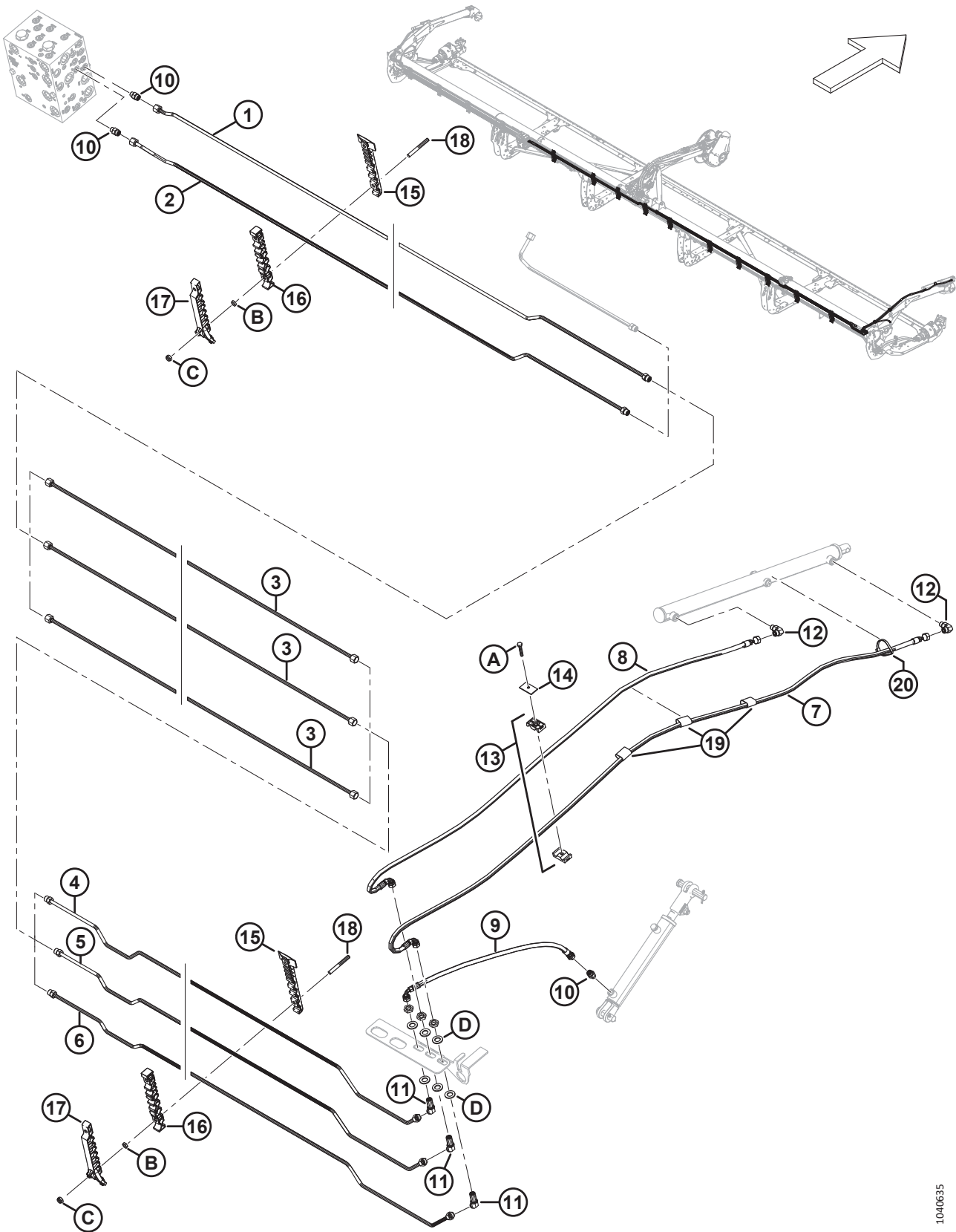
250. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.

251. Quantities: D230 = 8; D235 = 9.

252. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D230 = 8; D235 = 9.

253. Quantities: D230 = 16; D235 = 18.

72 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (D241)



1040635

HYDRAULICS – LIFT AND FORE-AFT, DOUBLE REEL, RIGHT ARM (D241)

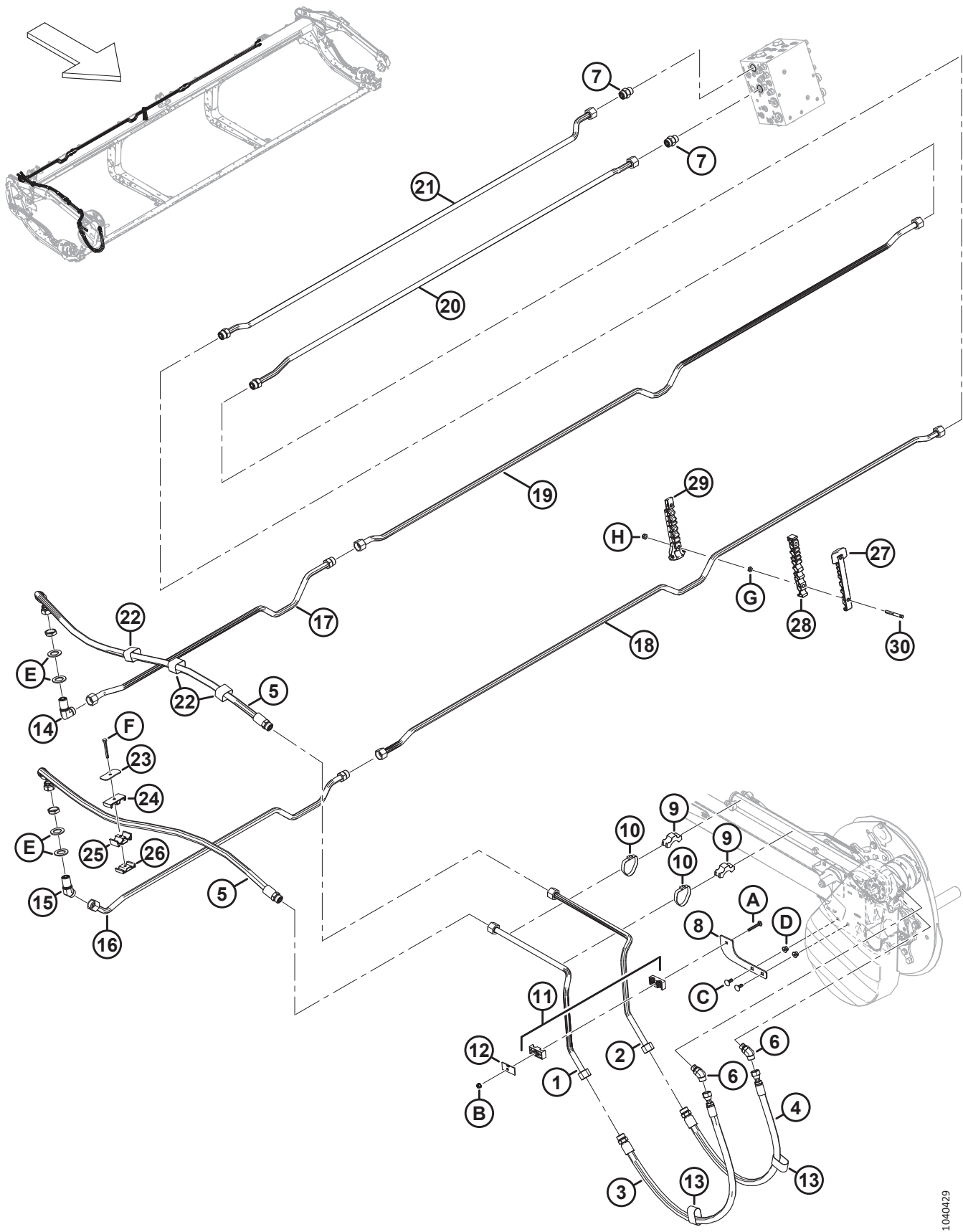
Ref	Part Number	Description	Qty	Serial Number
1	283533	LINE – HYDRAULIC (D241)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283540	LINE – HYDRAULIC (D241)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	283529	LINE – HYDRAULIC (D241)	3	
4	283431	LINE – HYDRAULIC (D241)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283432	LINE – HYDRAULIC (D241)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283433	LINE – HYDRAULIC (D241)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283074	HOSE – HYD	1	
8	283075	HOSE – HYD	1	
9	283059	HOSE – HYD	1	
10	135778	FITTING – ADAPTER	3	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	136146	FITTING – ELBOW 45° BLKHD HYD ²⁵⁴	3	
12	136095	FITTING – ELBOW 90° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
13	232395	CLAMP – ASSY ²⁵⁵	2	
14	184303	CLAMP – COVER PLATE	2	
15	283820	CLAMP – LINE BOTTOM RH	10	
16	283818	CLAMP – LINE MIDDLE RH	10	
17	340549	KIT – RH TOP LINE CLAMP ²⁵⁶	10	
18	312654	STUD – THRD CLAMP PATCH WING	20	
19	135443	CINCH STRAP – 4 IN. LG	3	
20	30753	FASTENER – CABLE TIE, BLACK	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		

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

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

256. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

73 Hydraulics – Reel Drive, Single Reel



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	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 ²⁵⁷	1	
12	232233	CLAMP – COVER PLATE	1	
13	135443	CINCH STRAP 4 IN. LG	2	
14	136245	FITTING – ELBOW 90° BULKHEAD HYD ²⁵⁸	1	
	135868	O-RING – Ø1.78 X Ø18.77		
15	136527	FITTING – ELBOW 45° BULKHEAD ²⁵⁸	1	
	135868	O-RING – Ø1.78 X Ø18.77		
16	283255	LINE – HYDRAULIC (D225) ²⁵⁹	1	
	135868	O-RING – Ø1.78 X Ø18.77		
17	283254	LINE – HYDRAULIC (D225) ²⁵⁹	1	
	135868	O-RING – Ø1.78 X Ø18.77		
18	283256	LINE – HYDRAULIC (D225) ²⁵⁹	1	
19	283253	LINE – HYDRAULIC (D225) ²⁵⁹	1	
20	323471	LINE – HYDRAULIC (D215) ²⁶⁰	1	
	323561	LINE – HYDRAULIC (D220) ²⁶¹	1	
	283257	LINE – HYDRAULIC (D225) ²⁵⁹	1	
	135868	O-RING – Ø1.78 X Ø18.77		
21	323469	LINE – HYDRAULIC (D215) ²⁶⁰	1	
	323560	LINE – HYDRAULIC (D220) ²⁶¹	1	
	283252	LINE – HYDRAULIC (D225) ²⁵⁹	1	
	135868	O-RING – Ø1.78 X Ø18.77		

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

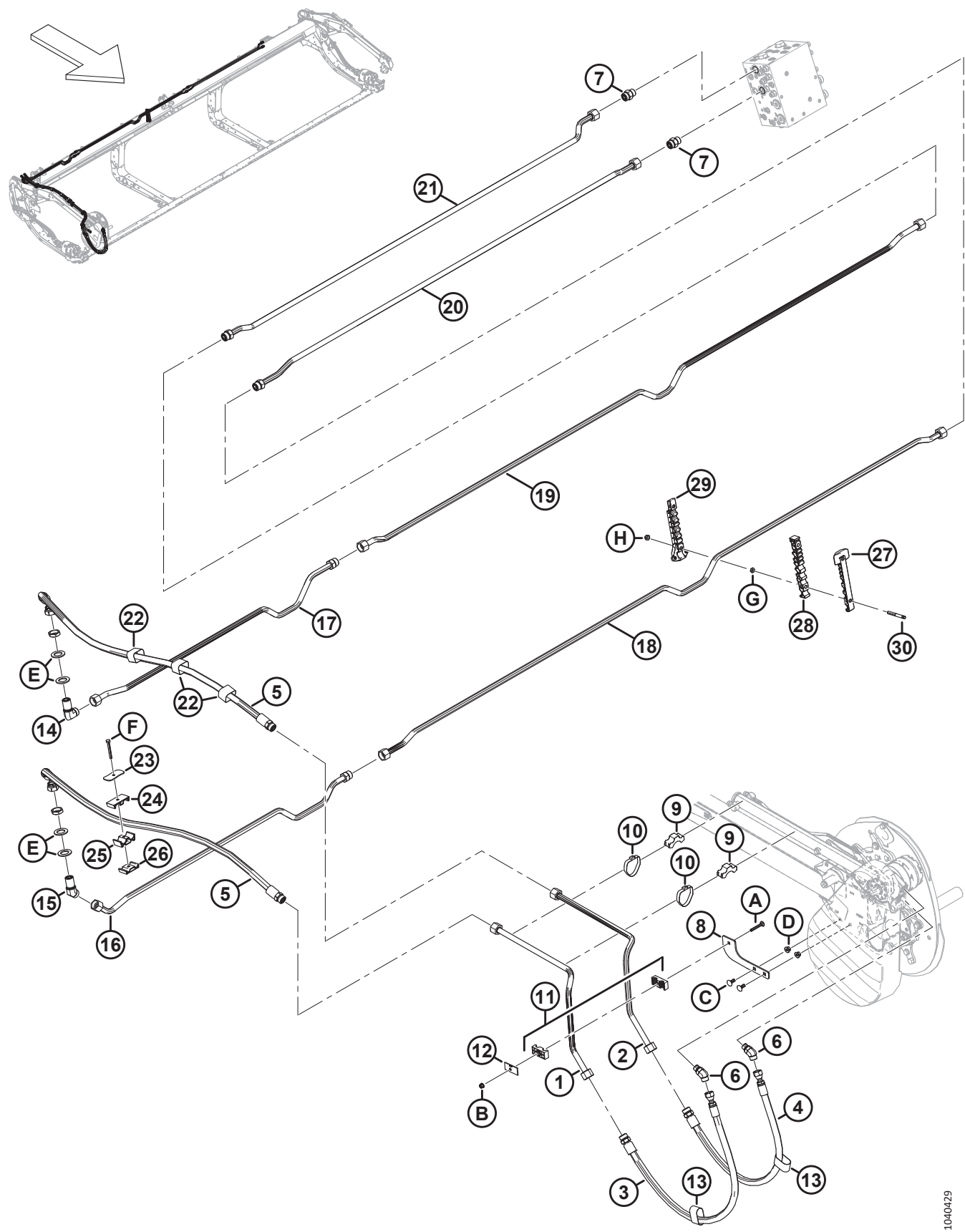
258. The fitting includes a securing nut (NSS).

259. Used on D225 headers only.

260. Used on D215 headers only.

261. Used on D220 headers only.

HYDRAULICS – REEL DRIVE, SINGLE REEL



1040429

HYDRAULICS – REEL DRIVE, SINGLE REEL

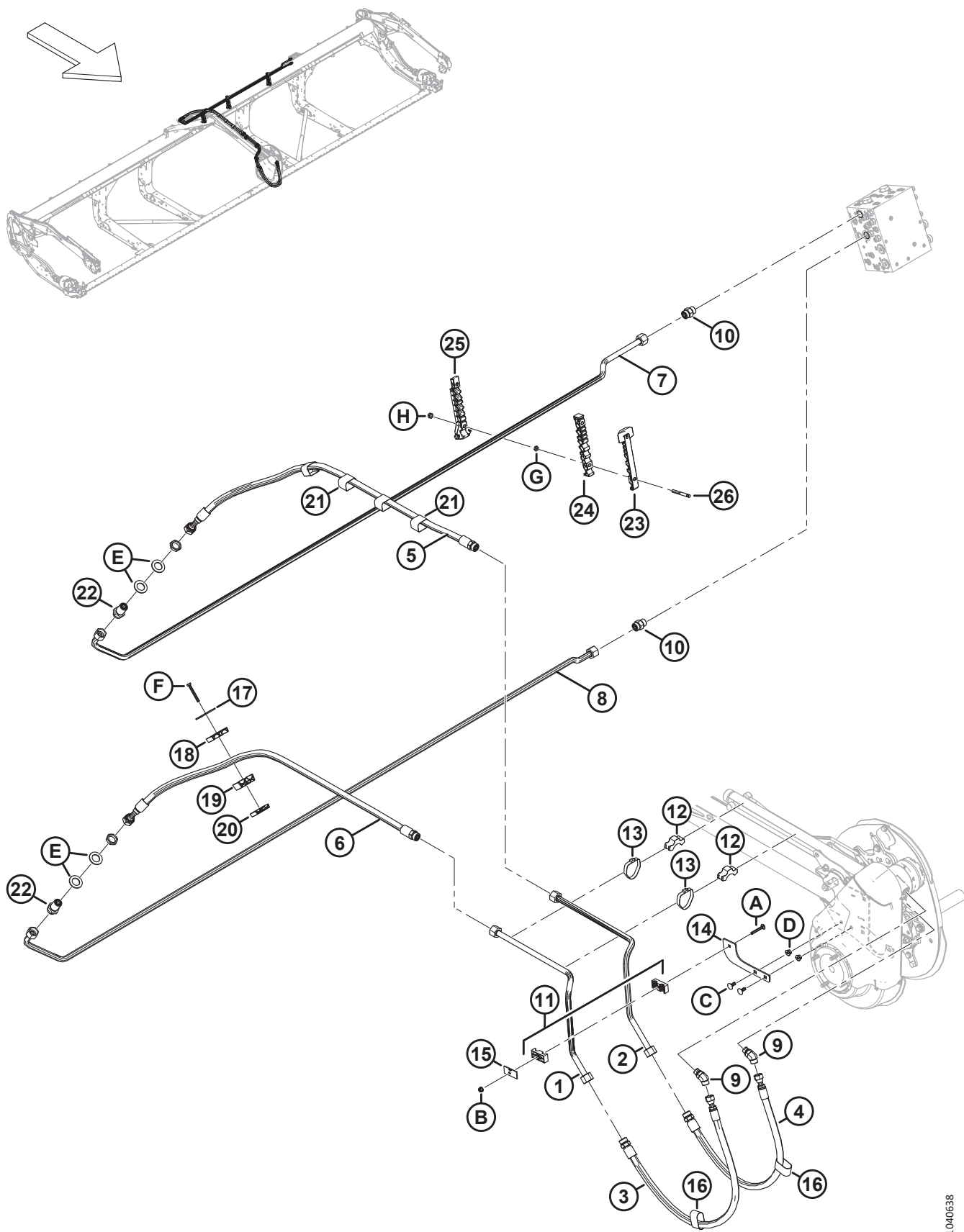
Ref	Part Number	Description	Qty	Serial Number
22	135444	CINCH STRAP – 4 IN. LG	3	
23	323023	PLATE – CLAMP CENTER REEL ARM	1	
24	283989	PLATE – HOSE REEL TOP	1	
25	283988	PLATE – HOSE REEL MIDDLE	1	
26	283987	PLATE – HOSE REEL BOTTOM	1	
27	283820	CLAMP – LINE BOTTOM RH ²⁶²		
28	283818	CLAMP – LINE MIDDLE RH ²⁶²		
29	340549	KIT – RH TOP LINE CLAMP ²⁶³		
30	312654	STUD – THRD CLAMP PATCH WING ²⁶⁴		
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	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
G	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
H	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

262. Quantities: D215 = 0, D220 = 1, and D225 = 7.

263. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D215 = 0, D220 = 1, and D225 = 7.

264. Quantities: D215 = 0, D220 = 2, and D225 = 14.

74 Hydraulics – Reel Drive, Double Reel



HYDRAULICS – REEL DRIVE, DOUBLE REEL

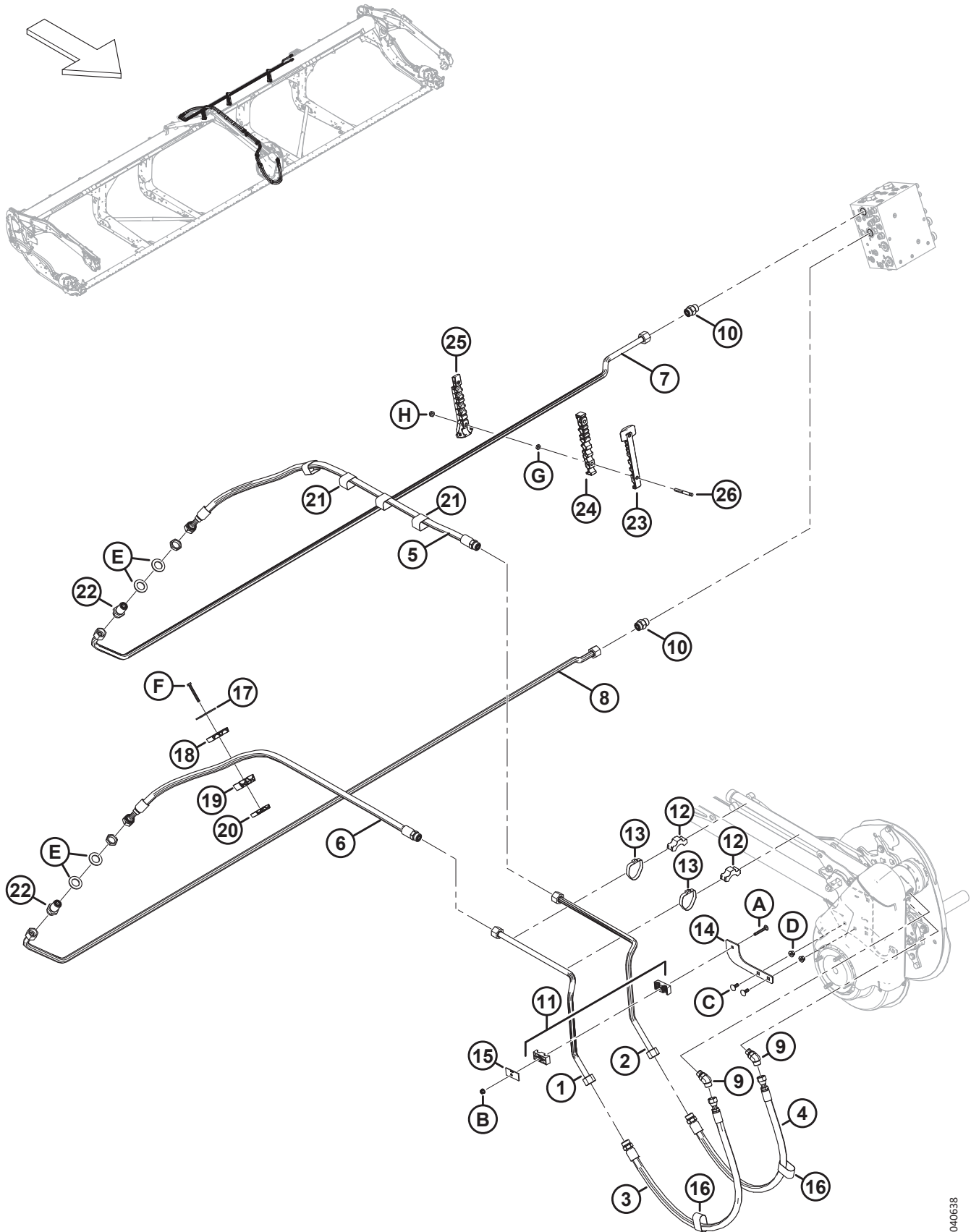
Ref	Part Number	Description	Qty	Serial Number
1	323428	LINE – HYDRAULIC	1	
2	323429	LINE – HYDRAULIC	1	
3	283092	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
4	283091	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283580	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	323017	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	323921	LINE – HYDRAULIC	1	
8	283525	LINE – HYDRAULIC	1	
9	136327	FITTING – ELBOW 45° HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
10	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
11	232397	CLAMP – ASSY ²⁶⁵	1	
12	232405	CLAMP – LINE	2	
13	112823	CLAMP – HOSE	2	
14	273285	SUPPORT – BRACKET	1	
15	232233	CLAMP – COVER PLATE	1	
16	135443	CINCH STRAP 4 IN. LG	2	
17	323023	PLATE – CLAMP CENTER REEL ARM	1	
18	283989	CLAMP – HOSE REEL TOP	1	
19	283988	CLAMP – HOSE REEL MIDDLE	1	
20	283987	CLAMP – HOSE REEL BOTTOM	1	
21	135444	CINCH STRAP – 4 IN. LG	4	
22	136254	FITTING – BULKHEAD HYD ²⁶⁶	2	
	135868	O-RING – Ø1.78 X Ø18.77		
23	283820	CLAMP – LINE BOTTOM RH	3	
24	283818	CLAMP – LINE MIDDLE RH	3	
25	340549	KIT – RH TOP LINE CLAMP ²⁶⁷	3	
26	312654	STUD – THRD CLAMP PATCH WING	6	
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	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		

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

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

267. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

HYDRAULICS – REEL DRIVE, DOUBLE REEL

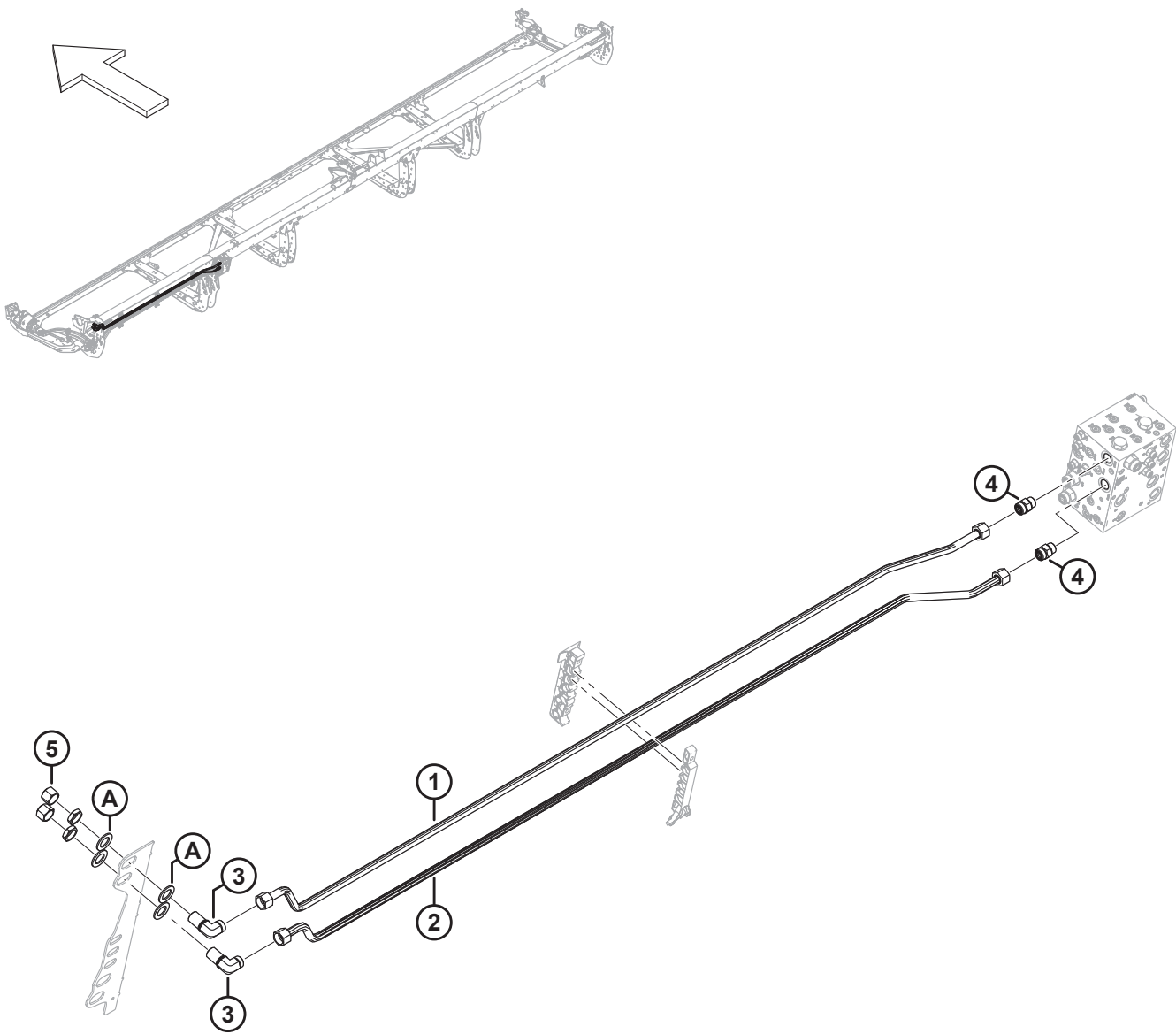


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HYDRAULICS – REEL DRIVE, DOUBLE REEL

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

75 Hydraulics – Upper Cross Auger



HYDRAULICS – UPPER CROSS AUGER

Ref	Part Number	Description	Qty	Serial Number
	B7270	KIT – 15 FT. UPPER CROSS AUGER HYDRAULICS ²⁶⁸		
	B7271	KIT – 20 FT. UPPER CROSS AUGER HYDRAULICS ²⁶⁸		
	B7338	KIT – 25 FT. UPPER CROSS AUGER HYDRAULICS ²⁶⁸		
	B7117	KIT – 30 FT. UPPER CROSS AUGER HYDRAULICS ²⁶⁸		
	B7118	KIT – 35 FT. UPPER CROSS AUGER HYDRAULICS ²⁶⁸		
	B7120	KIT – 41 FT. UPPER CROSS AUGER HYDRAULICS ²⁶⁸		
1	323541	LINE – HYDRAULIC (D215) ²⁶⁹	1	
	323569	LINE – HYDRAULIC (D220) ²⁷⁰	1	
	323354	LINE – HYDRAULIC (D225) ²⁷¹	1	
	283052	LINE – HYDRAULIC (D230) ²⁷²	1	
	283164	LINE – HYDRAULIC (D235) ²⁷³	1	
	283462	LINE – HYDRAULIC (D241) ²⁷⁴	1	
2	323542	LINE – HYDRAULIC (D215) ²⁶⁹	1	
	323568	LINE – HYDRAULIC (D220) ²⁷⁰	1	
	323355	LINE – HYDRAULIC (D225) ²⁷¹	1	
	283051	LINE – HYDRAULIC (D230) ²⁷²	1	
	283205	LINE – HYDRAULIC (D235) ²⁷³	1	
	283461	LINE – HYDRAULIC (D241) ²⁷⁴	1	
3	136245	FITTING – ELBOW 90° BULKHEAD HYD ²⁷⁵	2	
	135868	O-RING – Ø1.78 X Ø18.77		
4	135788	FITTING – ADAPTER (UCAP, UCAR)	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
5	135889	CAP – HYD SAE - 12 ORFS	2	
A	136355	WASHER – FLAT 2.0 IN OD ZP	4	

268. Kits are available through Whole Goods only.

269. Used on D215 headers only.

270. Used on D220 headers only.

271. Used on D225 headers only.

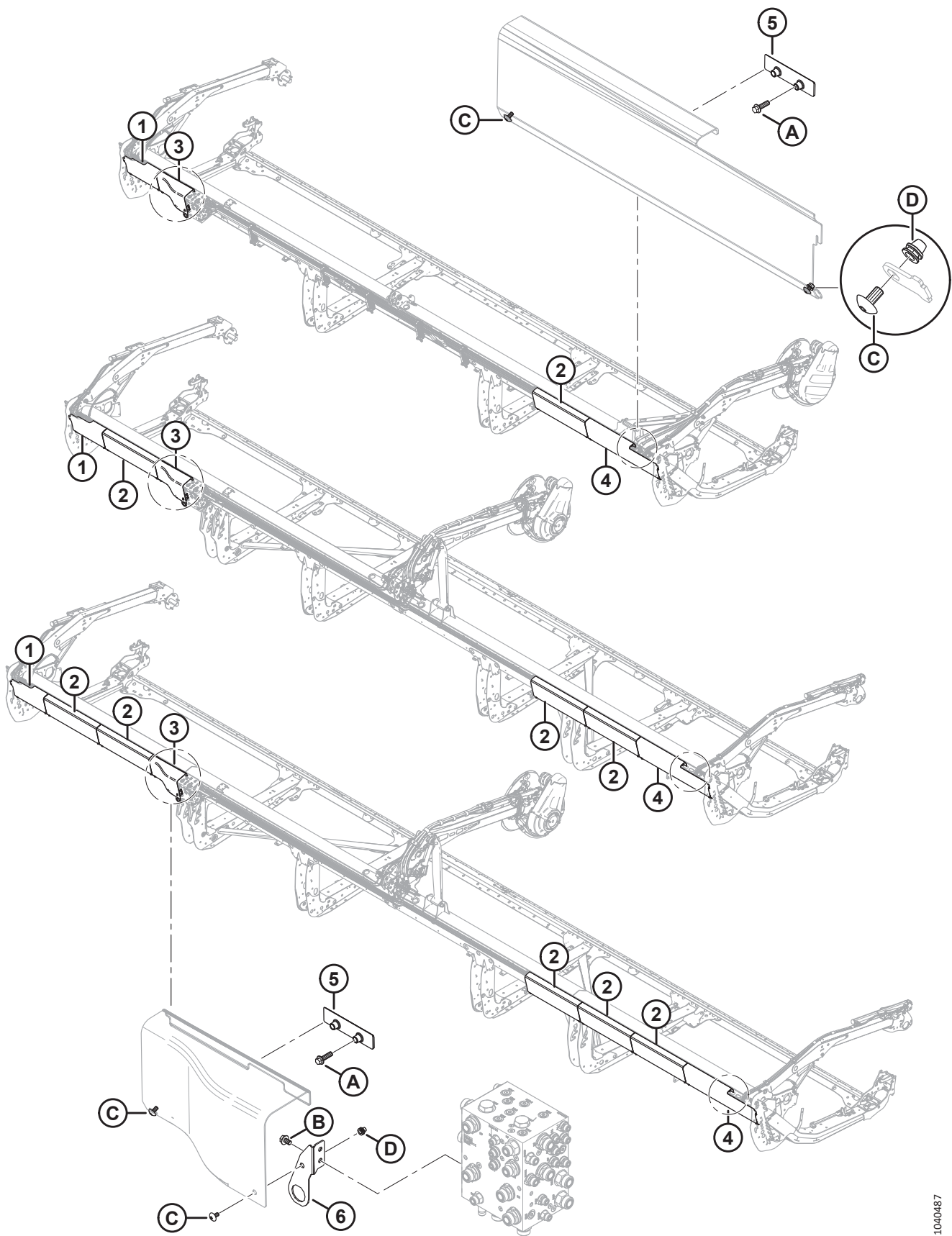
272. Used on D230 headers only.

273. Used on D235 headers only.

274. Used on D241 headers only.

275. The fitting includes a securing nut.

76 Hydraulic Line Covers (D225, D230, and D235)



HYDRAULIC LINE COVERS (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323169	COVER – HYD COMMON PLASTIC ²⁷⁶		
3	323795	COVER – HYD MANIFOLD LH	1	
4	323166	COVER – HYD RH END PLASTIC	1	
5	283849	BRACKET – HYD COVER SUPPORT	2	
6	323772	ASSY – CONNECTOR BRACKET ²⁷⁷	1	
	378779	ASSY – CONNECTOR BRACKET ²⁷⁸	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 ²⁷⁹		
D	320448	RIVNUT – M8 X 1.25 HEX		

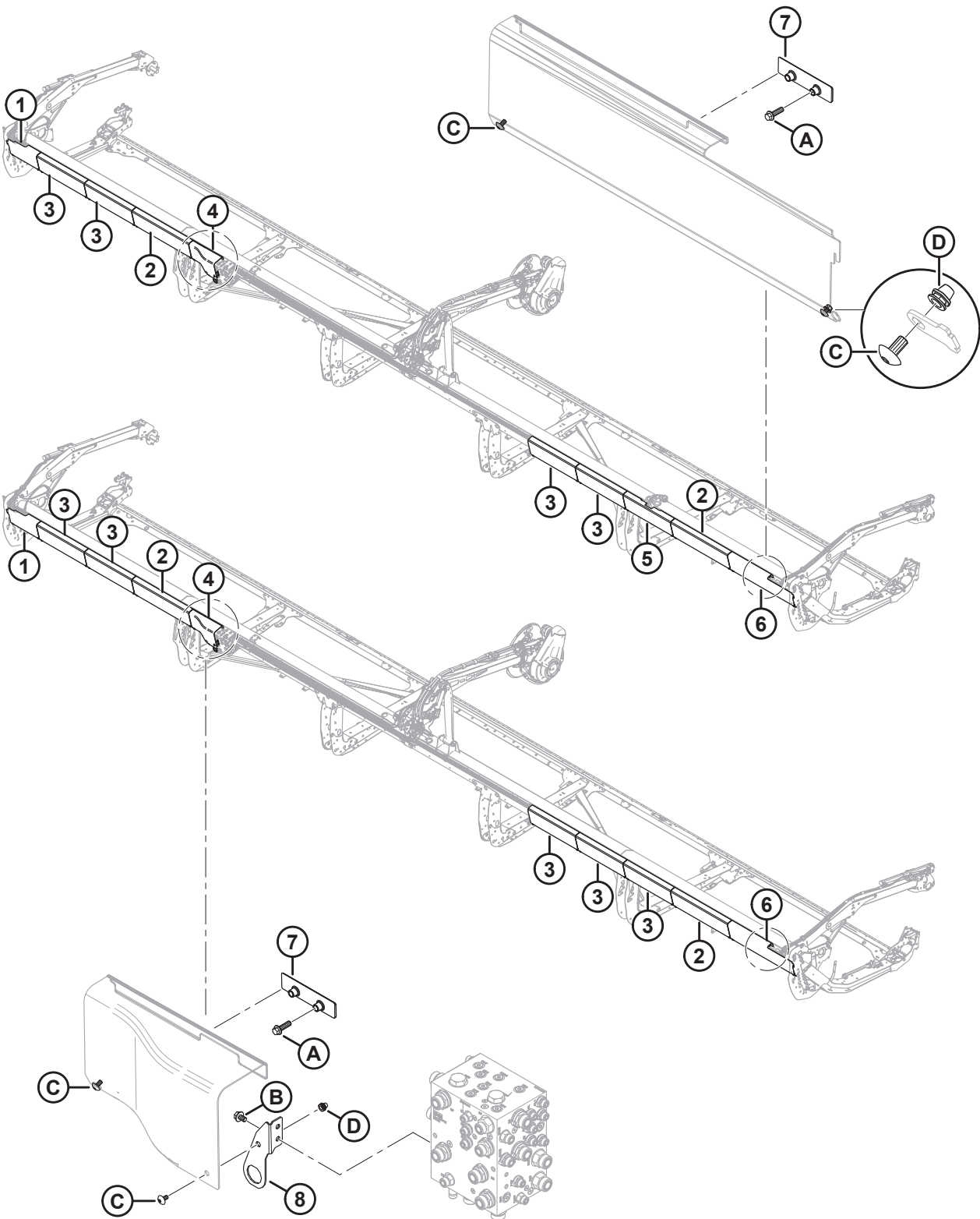
276. Quantities: D225 = 1, D230 = 3, and D235 = 5.

277. Assembly MD #323772 includes cover mounting connector bracket (NSS) and rivnut (MD #320448). Used on D225 and D230 headers only.

278. Assembly MD #378779 includes cover mounting connector bracket (NSS) and rivnut (MD #320448). Used on D235 headers only.

279. Quantities: D225 = 8, D230 = 12, and D235 = 16.

77 Hydraulic Line Covers (D241)



HYDRAULIC LINE COVERS (D241)

NOTE:

Top illustration shows split-frame header; bottom illustration shows one-piece header.

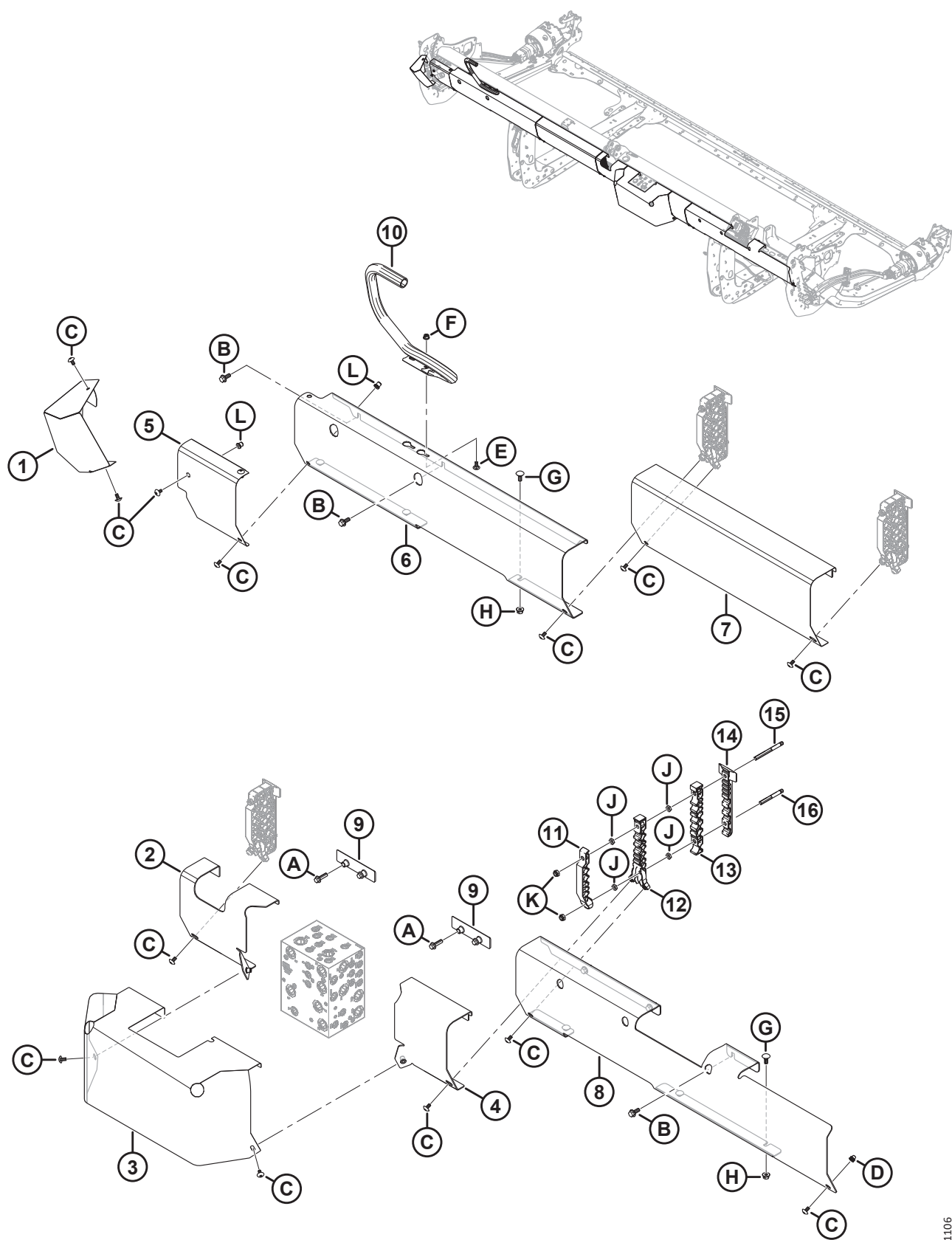
Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323172	COVER – HYD LONG PLASTIC	2	
3	323169	COVER – HYD COMMON PLASTIC ²⁸⁰		
4	323795	COVER – HYD MANIFOLD LH	1	
5	323165	COVER – HYD SPLIT PLASTIC ²⁸¹		
6	323166	COVER – HYD RH END PLASTIC	1	
7	283849	BRACKET – HYD COVER SUPPORT	2	
8	323772	ASSY – CONNECTOR BRACKET ²⁸²	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		

280. Quantities: D241 split-frame = 4, D241 one-piece = 5.

281. Quantities: D241 split-frame = 1, D241 one-piece = 0.

282. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).

78 Hydraulic Line Covers – Center, M Series (D215)



1041106

HYDRAULIC LINE COVERS – CENTER, M SERIES (D215)

NOTE:

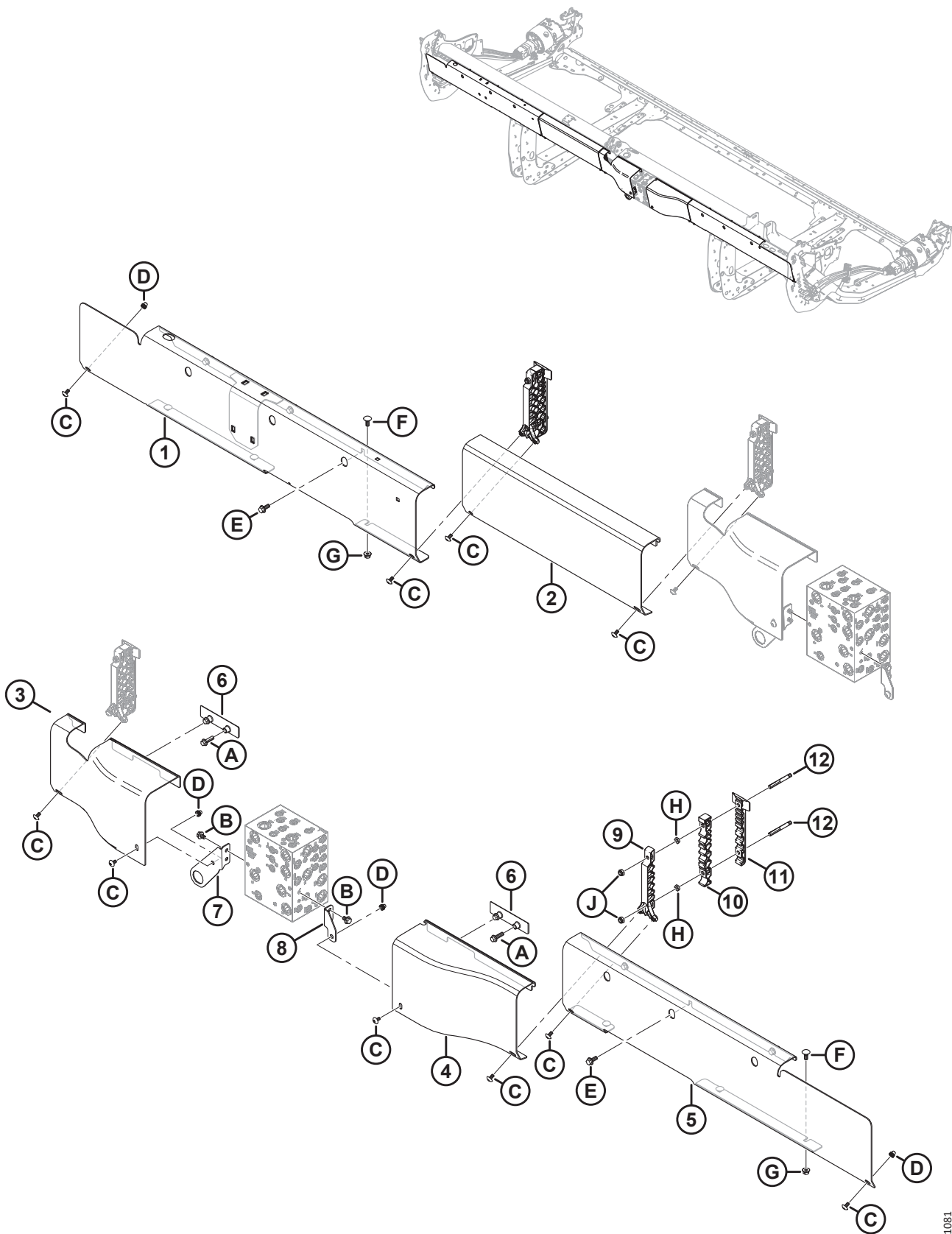
The hydraulic covers listed in this topic are used only for D215 headers configured for M Series Windrowers.

Ref	Part Number	Description	Qty	Serial Number
1	323735	COVER – LH M SERIES WELDMENT	1	
2	323739	COVER – MANIFOLD LH W/ RIVNUT ²⁸³	1	
3	323741	COVER – MANIFOLD W/ SPACER	1	
4	323742	COVER – MANIFOLD RH W/ RIVNUT ²⁸³	1	
5	323736	COVER – LH COVER W/ RIVNUT ²⁸⁴	1	
6	323737	COVER – 15 FT M-SERIES W/ RIVNUT ²⁸⁴	1	
7	323738	COVER – CENTER LINE W/ SPACER	1	
8	360036	COVER – 15 FT SWATHER RHS	1	
9	283849	BRACKET – HYD COVER SUPPORT	2	
10	220758	GUIDE – HOSE	1	
11	340575	CLAMP – LINE TOP M-SERIES	3	
12	340576	CLAMP – LINE MID M-SERIES	3	
13	283818	CLAMP – LINE MIDDLE RH	3	
14	283820	CLAMP – LINE BOTTOM RH	3	
15	323337	STUD – THRD CLAMP PATCH EXTENDED	3	
16	312655	STUD – THRD CLAMP PATCH BLACK	3	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-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		
E	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
F	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
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	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
K	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
L	252179	RIVNUT – M8 X 1.25 HEX 0.7-3.8		

283. Left and right manifold covers include rivnut (MD #252179).

284. Cover includes rivnut (MD #252179).

79 Hydraulic Line Covers – Center, M1/M2 Series (D215)



1041081

HYDRAULIC LINE COVERS – CENTER, M1/M2 SERIES (D215)

NOTE:

The hydraulic covers listed in this topic are used only for D215 headers configured for M1 or M2 Series Windrowers.

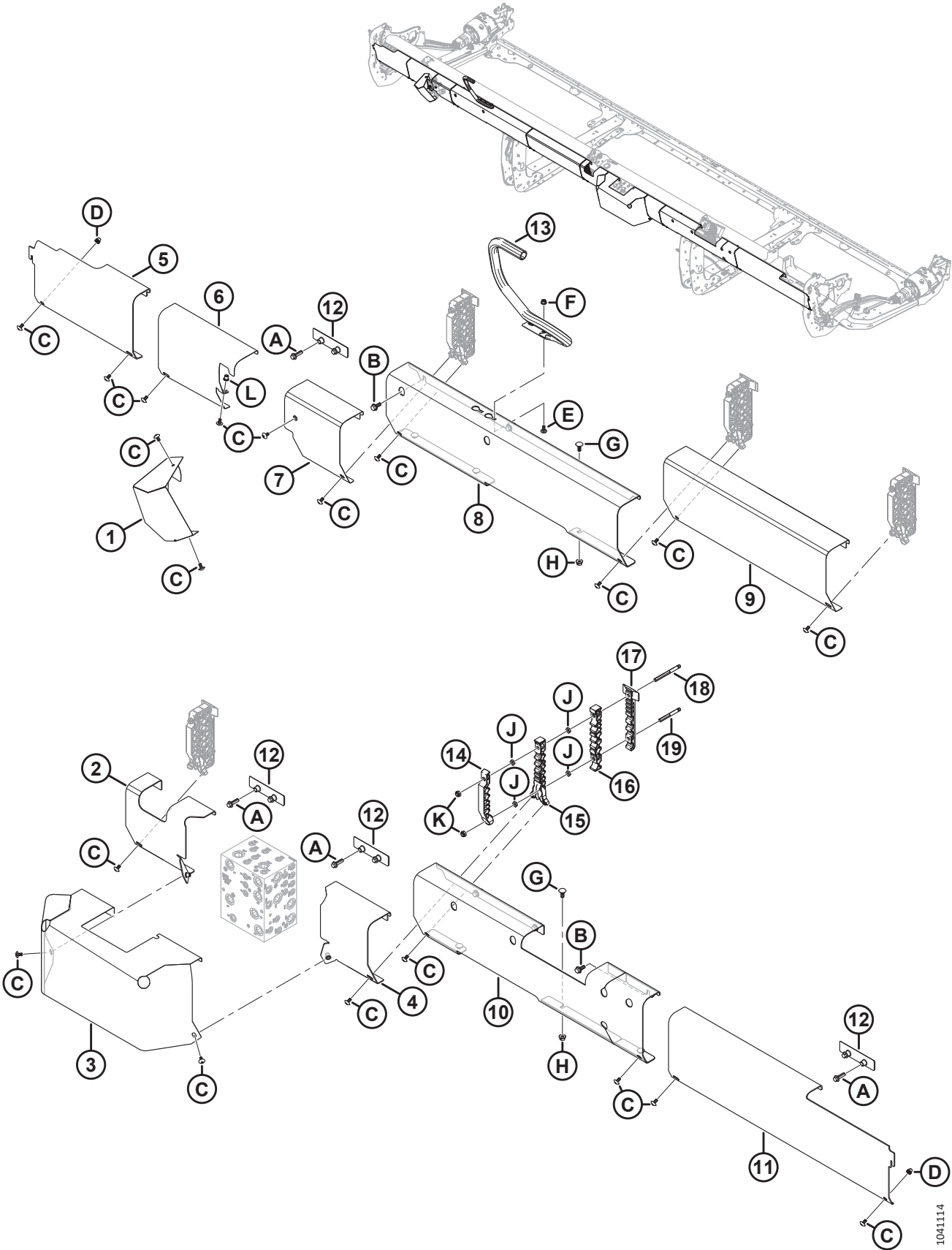
Ref	Part Number	Description	Qty	Serial Number
1	323914	COVER – SWATHER 15FT WELDT	1	
2	323169	COVER – HYD COMMON PLASTIC	1	
3	326314	COVER – HYD MANIFOLD LH 15FT	1	
4	323575	COVER – HYD MANIFOLD RH 15FT/20FT	1	
5	323576	COVER – WINDROWER LONG RHS 15FT	1	
6	283849	BRACKET – HYD COVER SUPPORT	2	
7	323926	ASSY – CONNECTOR BRACKET ²⁸⁵	1	
8	323773	ASSY – RH SHIELD BRACKET ²⁸⁶	1	
9	340549	KIT – RH TOP LINE CLAMP ²⁸⁷	3	
10	283818	CLAMP – LINE MIDDLE RH	3	
11	283820	CLAMP – LINE BOTTOM RH	3	
12	312654	STUD – THRD CLAMP PATCH WING	6	
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		
E	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
F	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
H	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
J	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

285. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).

286. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).

287. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

80 Hydraulic Line Covers – Center, M Series (D220)



1041114

HYDRAULIC LINE COVERS – CENTER, M SERIES (D220)

NOTE:

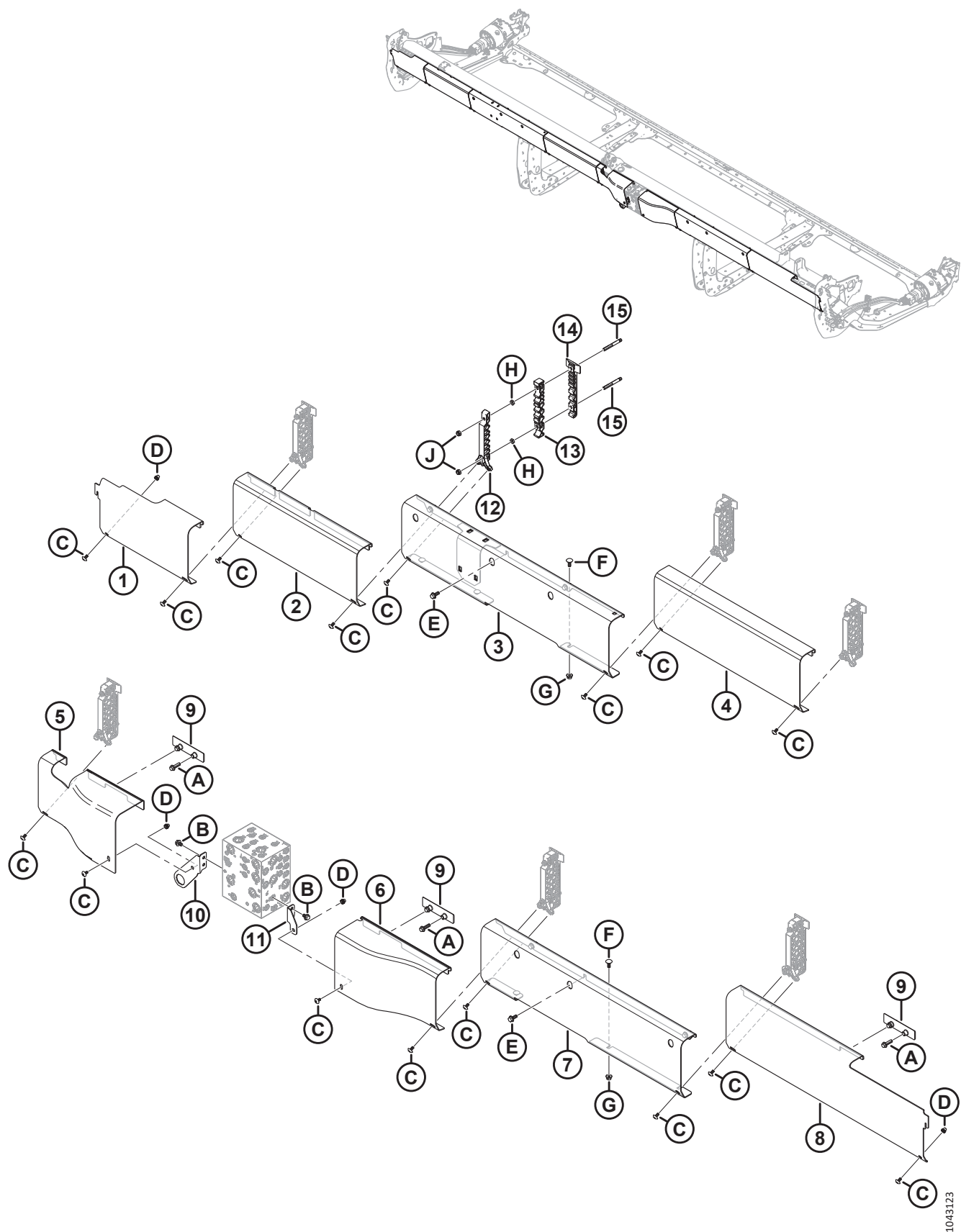
The hydraulic covers listed in this topic are used only for D220 headers configured for M Series Windrowers.

Ref	Part Number	Description	Qty	Serial Number
1	323735	COVER – LH M SERIES WELDMENT	1	
2	323739	COVER – MANIFOLD LH W/ RIVNUT ²⁸⁸	1	
3	323741	COVER – MANIFOLD W/ SPACER	1	
4	323742	COVER – MANIFOLD RH W/ RIVNUT ²⁸⁸	1	
5	323164	COVER – HYD LH END PLASTIC	1	
6	323743	COVER – 20 FT LH M SERIES W/ NUT ²⁸⁹	1	
7	323744	COVER – 20 FT RH M SERIES W/ NUT	1	
8	323583	COVER – SWATHER LHS COVER EXTENDED	1	
9	323738	COVER – CENTER LINE W/ SPACER	1	
10	323329	COVER – SWATHER RHS COVER EXTENDED	1	
11	323166	COVER HYD RH END PLASTIC	1	
12	283849	BRACKET – HYD COVER SUPPORT	4	
13	220758	GUIDE – HOSE	1	
14	340575	CLAMP – LINE TOP M-SERIES	4	
15	340576	CLAMP – LINE MID M-SERIES	4	
16	283818	CLAMP – LINE MIDDLE RH	4	
17	283820	CLAMP – LINE BOTTOM RH	4	
18	323337	STUD – THRD CLAMP PATCH EXTENDED	4	
19	312655	STUD – THRD CLAMP PATCH BLACK	4	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-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		
E	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
F	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
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	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
K	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
L	252179	RIVNUT – M8 X 1.25 HEX 0.7-3.8		

288. Left and right manifold covers include rivnut (MD #252179).

289. Cover includes rivnut (MD #252179).

81 Hydraulic Line Covers – Center, M1/M2 Series (D220)



HYDRAULIC LINE COVERS – CENTER, M1/M2 SERIES (D220)

NOTE:

The hydraulic covers listed in this topic are used only for D220 headers configured for M1 or M2 Series Windrowers.

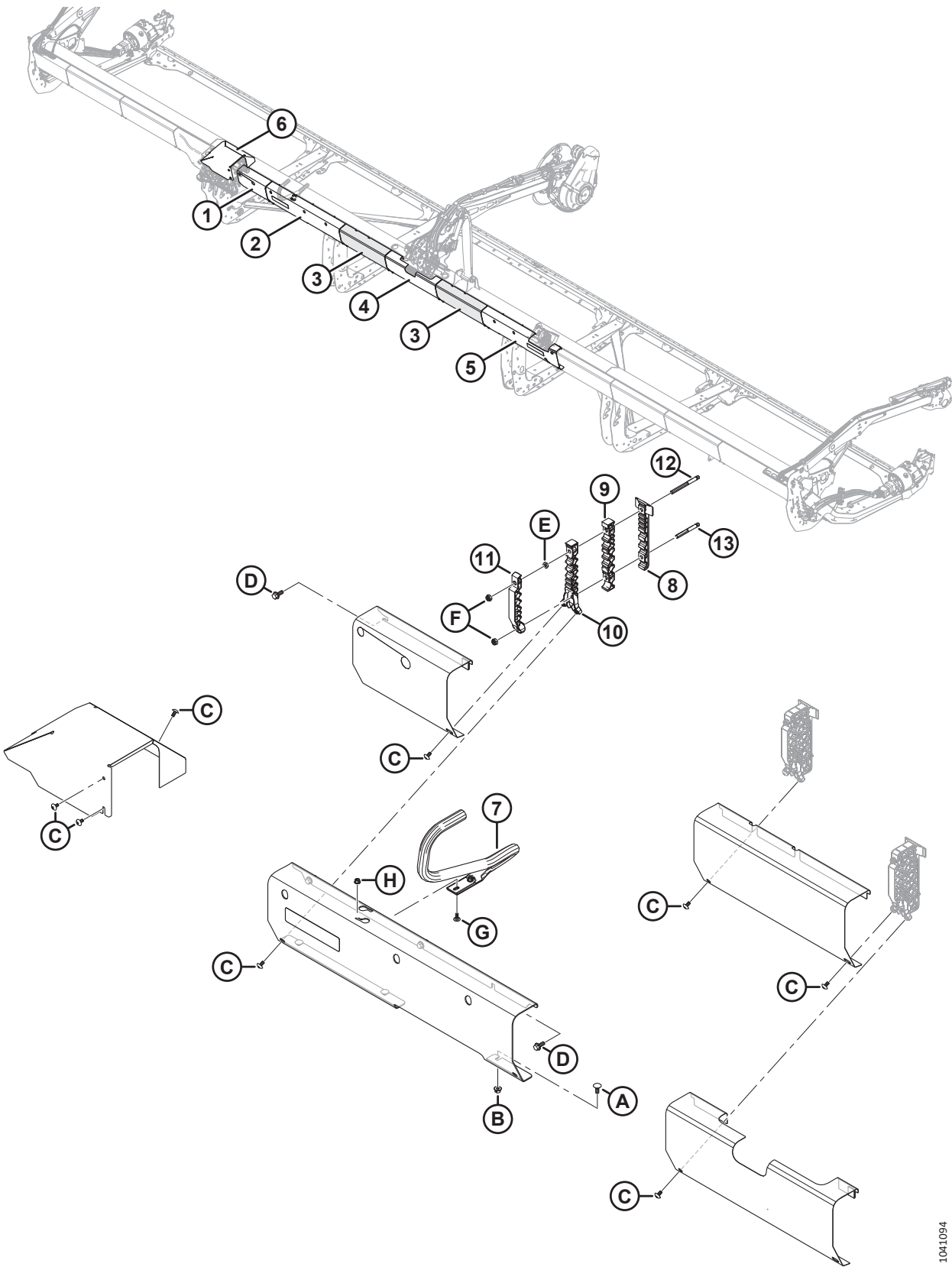
Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323918	COVER – HYD RIGID OUTER CENTER	1	
3	323915	COVER – LH WELDT 20FT	1	
4	323169	COVER – HYD COMMON PLASTIC	1	
5	326314	COVER – HYD MANIFOLD LH 15FT/20FT	1	
6	323575	COVER – HYD MANIFOLD RH 15FT/20FT	1	
7	251575	COVER – WINDROWER LONG RHS	1	
8	323166	COVER – HYD RH END PLASTIC	1	
9	283849	BRACKET – HYD COVER SUPPORT	3	
10	323926	ASSY – CONNECTOR BRACKET ²⁹⁰	1	
11	323773	ASSY – RH SHIELD BRACKET ²⁹¹	1	
12	340549	KIT – RH TOP LINE CLAMP ²⁹²	6	
13	283818	CLAMP – LINE MIDDLE RH	6	
14	283820	CLAMP – LINE BOTTOM RH	6	
15	312654	STUD – THRD CLAMP PATCH WING	12	
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		
E	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
F	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
H	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
J	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

290. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).

291. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).

292. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

82 Hydraulic Line Covers – Center, M Series (D225, D230, D235, and D241)



1041094

HYDRAULIC LINE COVERS – CENTER, M SERIES (D225, D230, D235, AND D241)

NOTE:

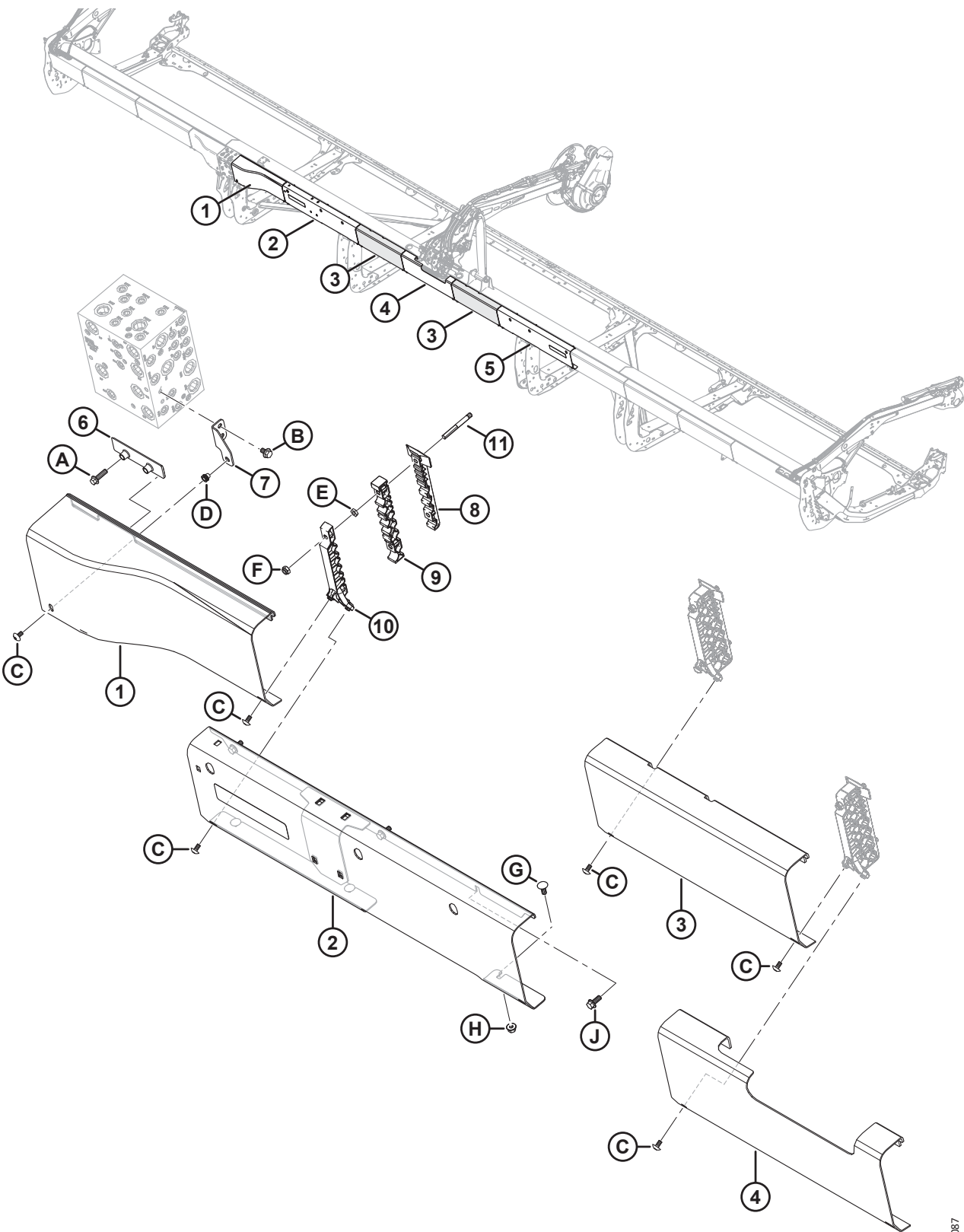
The hydraulic covers listed in this topic are used only for D225–D241 headers configured for M Series Windrowers.

Ref	Part Number	Description	Qty	Serial Number
1	323746	COVER – LH COVER SHORT W/ SPACER	1	
2	323747	COVER – LH COVER W/ REFLECTOR ²⁹³	1	
3	323748	COVER – MID EXTENDED W/ SPACERS	2	
4	323749	COVER – CENTER COVER EXTENDED	1	
5	323750	COVER – RH COVER W/ REFLECTOR ²⁹⁴	1	
6	323710	WELDMENT – COVER LHS M-SERIES	1	
7	220758	GUIDE – HOSE	1	
8	283820	CLAMP – LINE BOTTOM RH	5	
9	283818	CLAMP – LINE MIDDLE RH	5	
10	340576	CLAMP – LINE MID M-SERIES	5	
11	340575	CLAMP – LINE TOP M-SERIES	5	
12	323337	STUD – THRD CLAMP PATCH EXTENDED	5	
13	312655	STUD – THRD CLAMP PATCH BLACK	5	
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	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T		
D	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
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		

293. Complete assembly includes LH windrower cover (NSS) and amber reflector (MD #115146).

294. Complete assembly includes RH windrower cover (NSS) and amber reflector (MD #115146).

83 Hydraulic Line Covers – Center, M1/M2 Series (D225, D230, D235, and D241)



1041087

HYDRAULIC LINE COVERS – CENTER, M1/M2 SERIES (D225, D230, D235, AND D241)

NOTE:

The hydraulic covers listed in this topic are used only for D225–D241 headers configured for M1 or M2 Series Windrowers.

Ref	Part Number	Description	Qty	Serial Number
1	283697	COVER – HYD MANIFOLD, RH	1	
2	323917	COVER – LH SWATHER W/ REFLECTOR ²⁹⁵	1	
3	323918	COVER – HYD RIGID OUTER CENTER	2	
4	323168	COVER – HYD RIGID CENTER PLASTIC	1	
5	323518	COVER – RH SWATHER W/ REFLECTOR ²⁹⁶	1	
6	283849	BRACKET – HYD COVER SUPPORT	1	
7	323773	ASSY – RH SHIELD BRACKET ²⁹⁷	1	
8	283820	CLAMP – LINE BOTTOM RH	5	
9	283818	CLAMP – LINE MIDDLE RH	5	
10	340549	KIT – RH TOP LINE CLAMP ²⁹⁸	5	
11	312654	STUD – THRD CLAMP PATCH WING	10	
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		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
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	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		

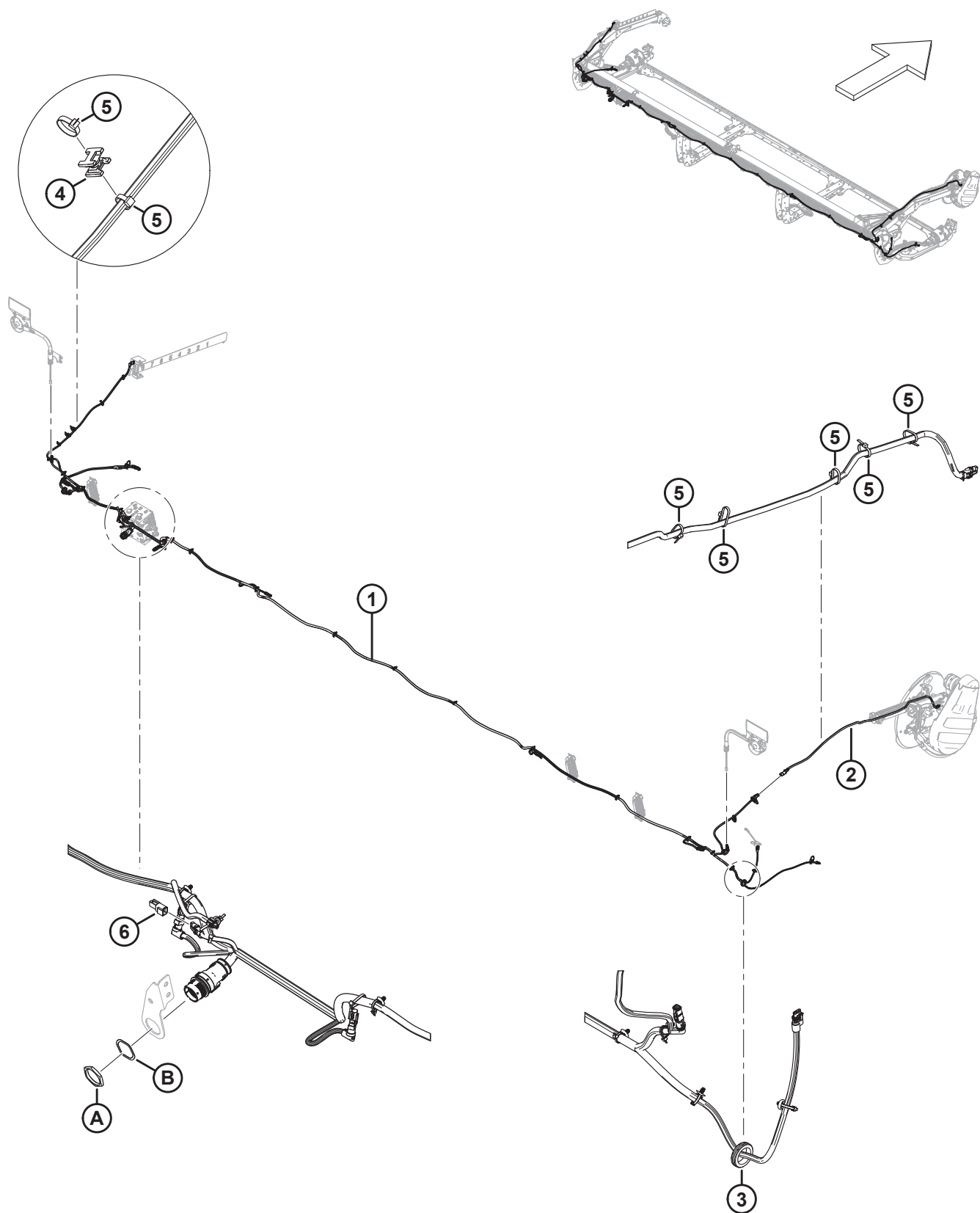
295. Complete assembly includes LH windrower cover (NSS) and amber reflector (MD #115146).

296. Complete assembly includes RH windrower cover (NSS) and amber reflector (MD #115146).

297. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).

298. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

84 Electrical – Harness (D215, D220, and D225)



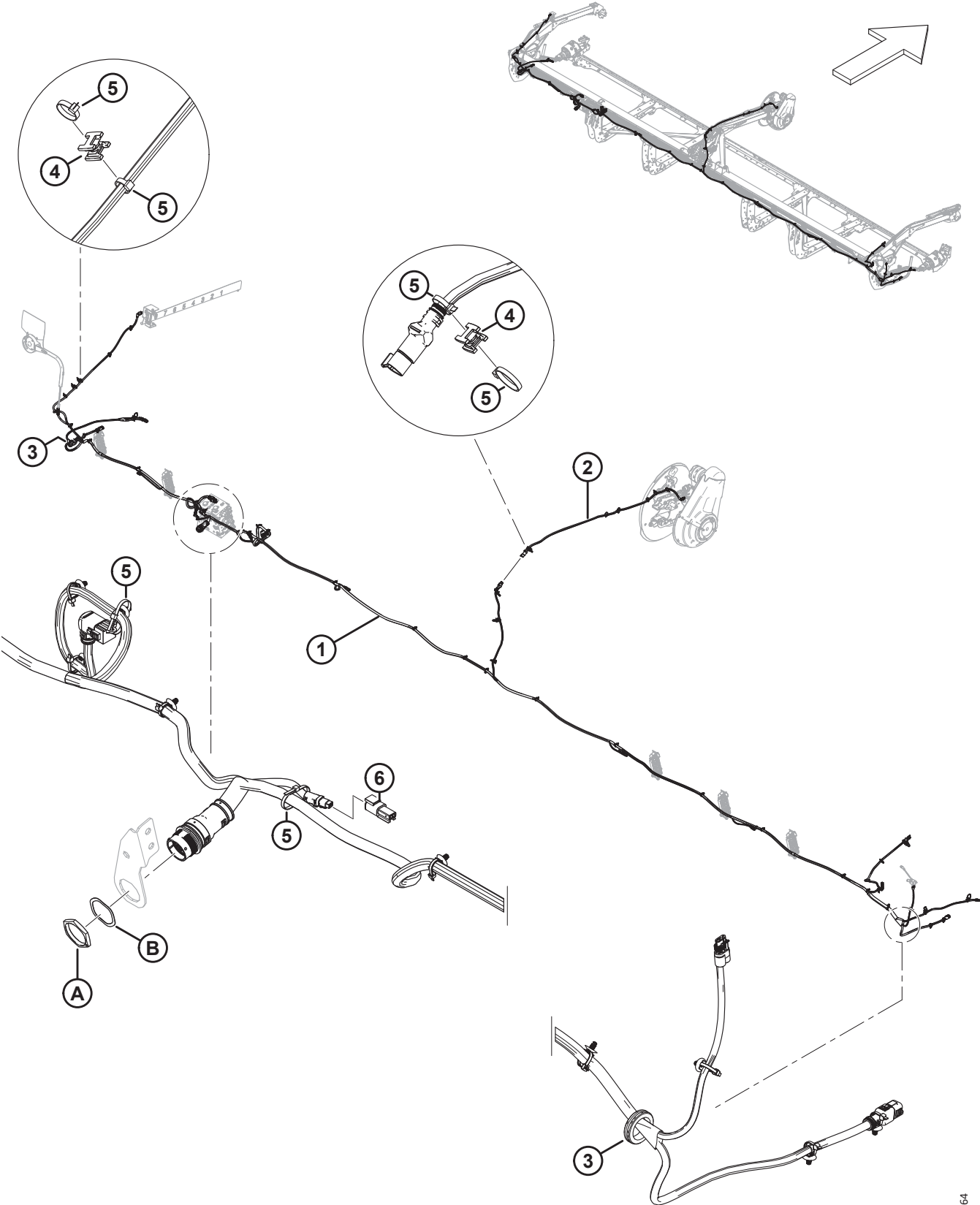
ELECTRICAL – HARNESS (D215, D220, AND D225)

Ref	Part Number	Description	Qty	Serial Number
1	323197	HARNESS – D215, MAIN ²⁹⁹	1	
	323195	HARNESS – D220, MAIN ²⁹⁹	1	
	323039	HARNESS – D225, MAIN ²⁹⁹	1	
2	323145	HARNESS – HDR EXT. REEL ARM	1	
3	323130	GROMMET – RUBBER	1	
4	134442	SPACER – DUAL SWIVEL SADDLE ³⁰⁰		
5	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
6	323866	CONNECTOR – CAP, DEUT, DTM, 2POS	1	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

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

300. Quantities: D215 = 8, D220 = 8, D225 = 9.

85 Electrical – Harness (D230, D235, and D241)



1045264

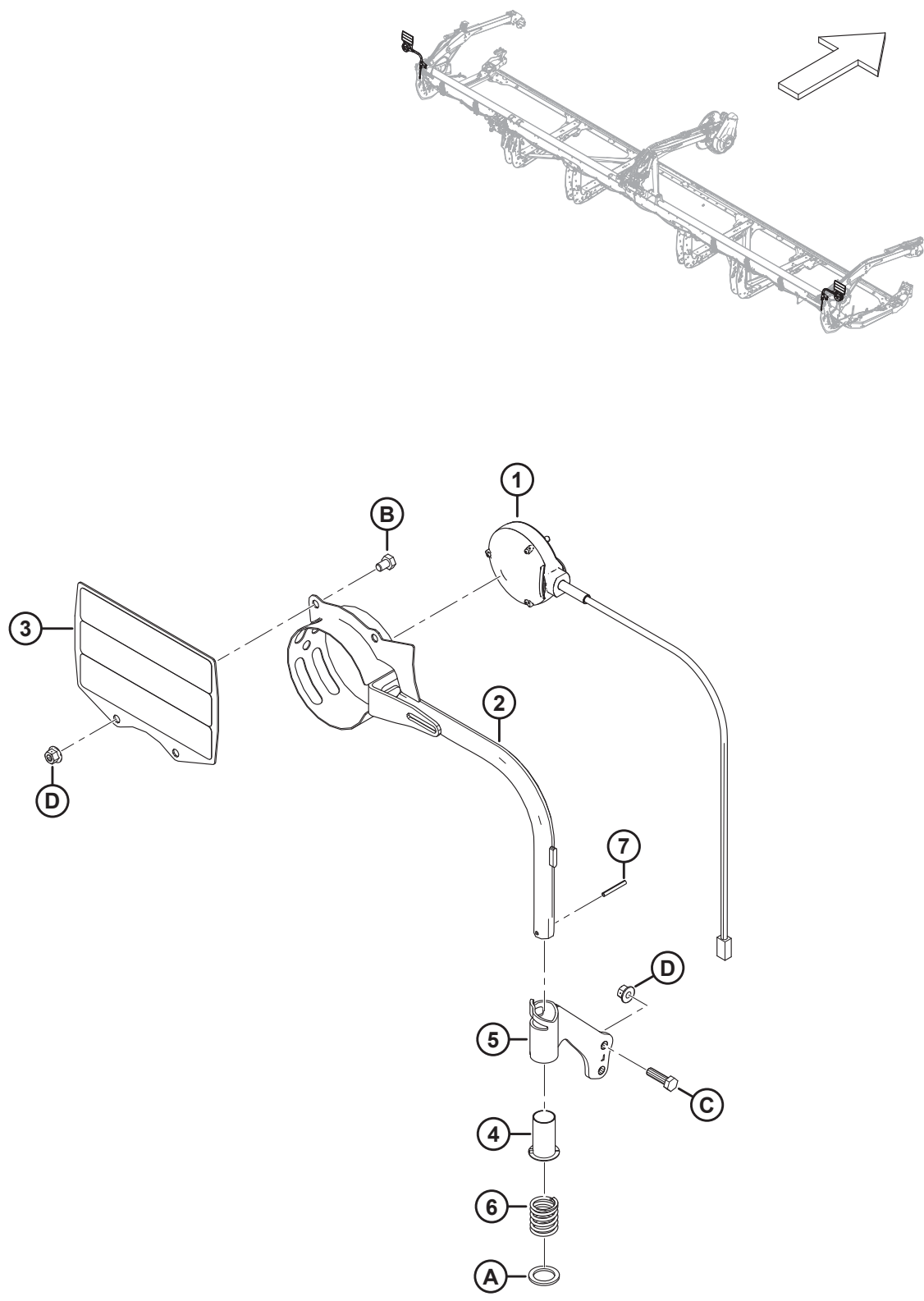
ELECTRICAL – HARNESS (D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
1	323040	HARNESS – D230, MAIN ³⁰¹	1	
	323041	HARNESS – D235, MAIN ³⁰¹	1	
	323042	HARNESS – D241, MAIN ³⁰¹	1	
	136655	FASTENER – FIR TREE MT W/ TIE	A/R	
2	323145	HARNESS – HDR EXT. REEL ARM	1	
3	323130	GROMMET – RUBBER	2	
4	134442	SPACER – DUAL SWIVEL SADDLE ³⁰²		
5	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
6	323866	CONNECTOR – CAP, DEUT, DTM, 2POS	1	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

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

302. Quantities: D230 = 12, D235 = 10, D241 = 9.

86 Electrical – Clearance Lights



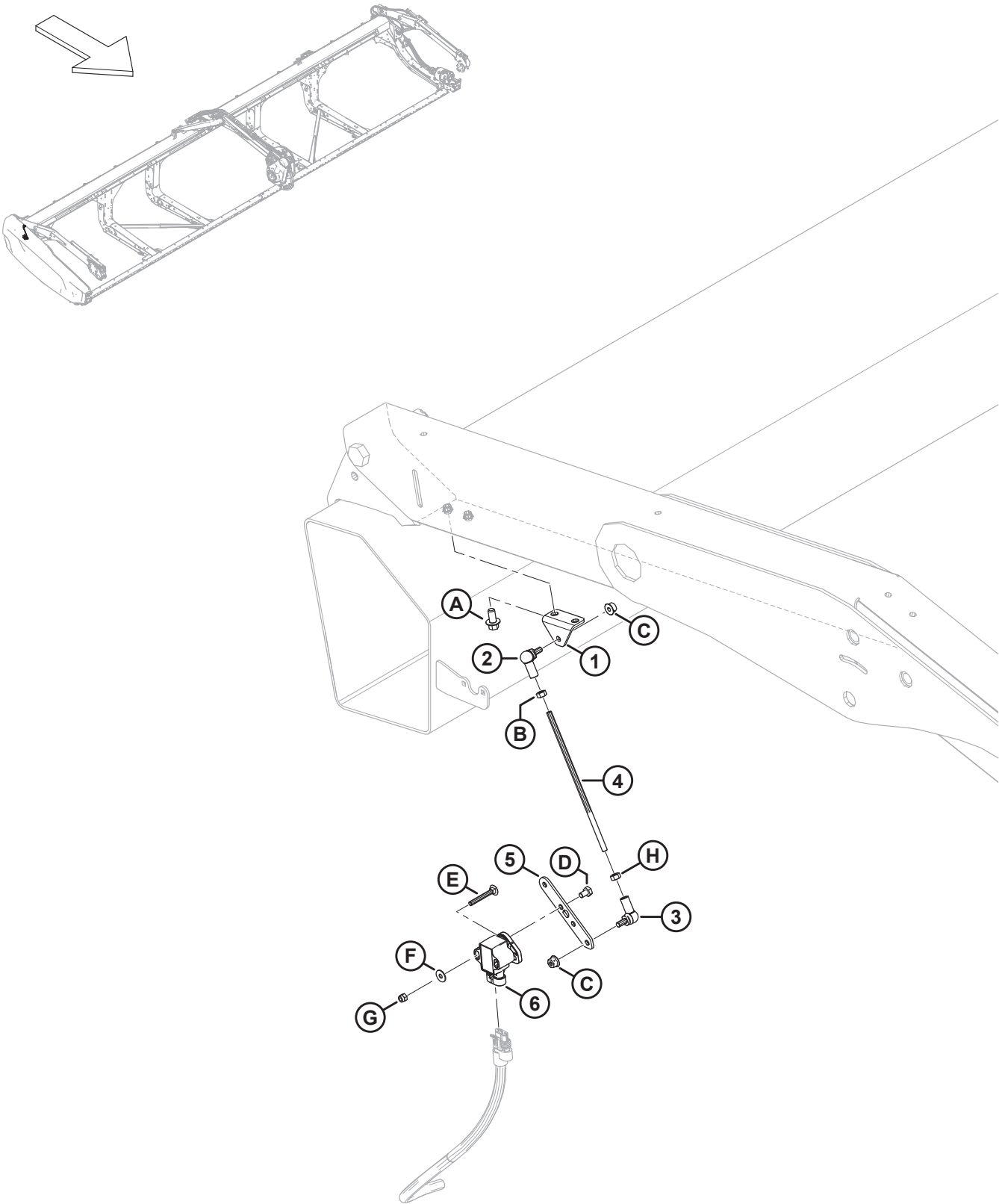
ELECTRICAL – CLEARANCE LIGHTS

Ref	Part Number	Description	Qty	Serial Number
1	313940	LIGHT – MARKER, AMBER	2	
2	313192	WELDT – CLEARANCE LIGHT	2	
3	313644	ASSY – RIGID REFLECTOR ³⁰³	2	
4	233912	BUSHING	2	
5	233914	ASSY – LH TUBE MOUNT ³⁰⁴	1	
	233913	ASSY – RH TUBE MOUNT ³⁰⁴	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		

303. The reflector assembly includes two reflectors (MD #307727).

304. The tube mount assembly includes bushing (MD #233912).

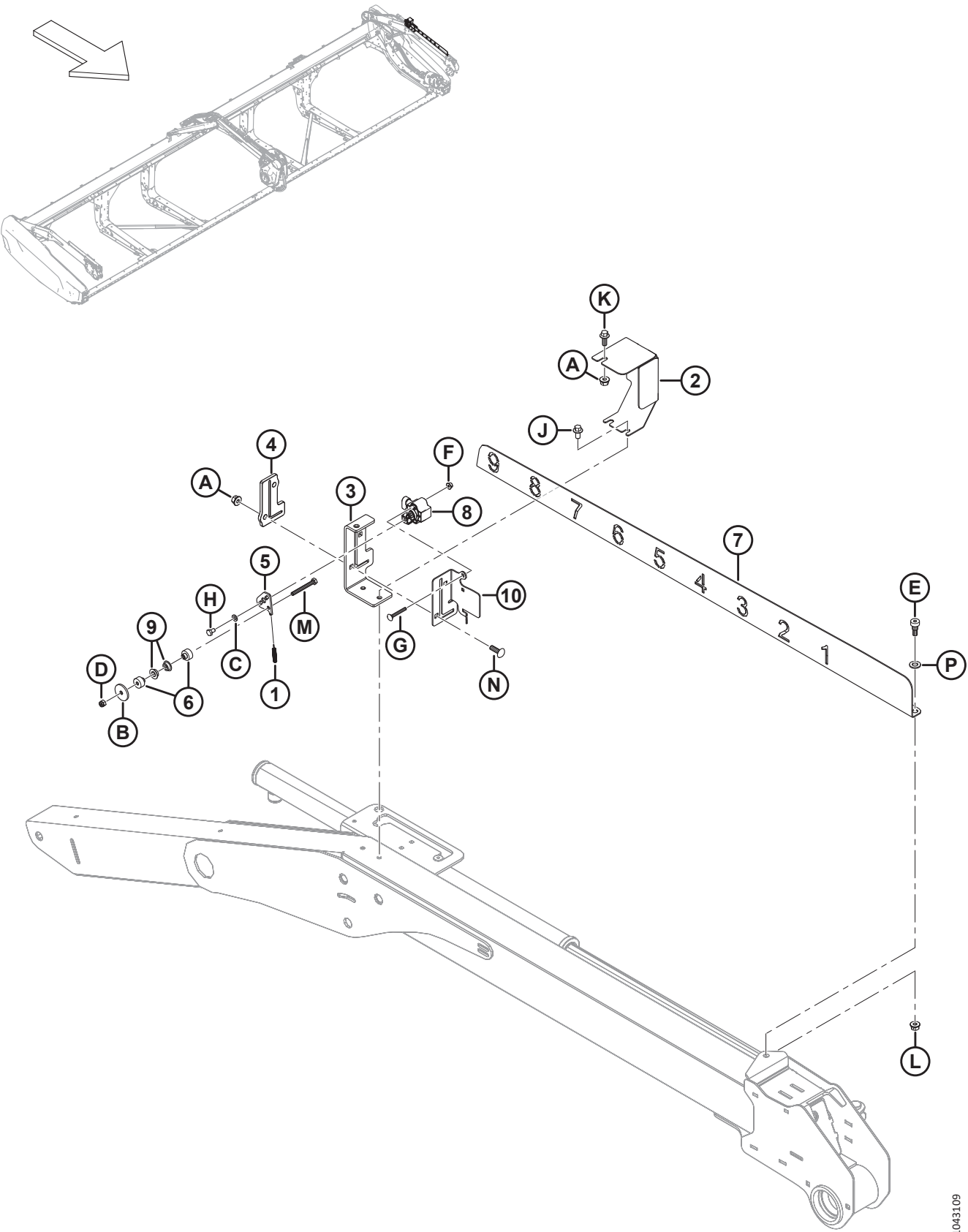
87 Electrical – Reel Height Sensor



ELECTRICAL – REEL HEIGHT SENSOR

Ref	Part Number	Description	Qty	Serial Number
1	251881	BRACKET	1	
2	291484	BALL JOINT – RH THREAD	1	
3	291485	BALL JOINT – LH THREAD	1	
4	232676	ROD – THREADED	1	
5	251879	ARM – FLOAT SENSOR	1	
6	248643	ROTARY SENSOR – DUAL OUTPUT	1	
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		

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



1043109

ELECTRICAL – REEL FORE-AFT SENSOR (2023 AND PRIOR)

NOTE:

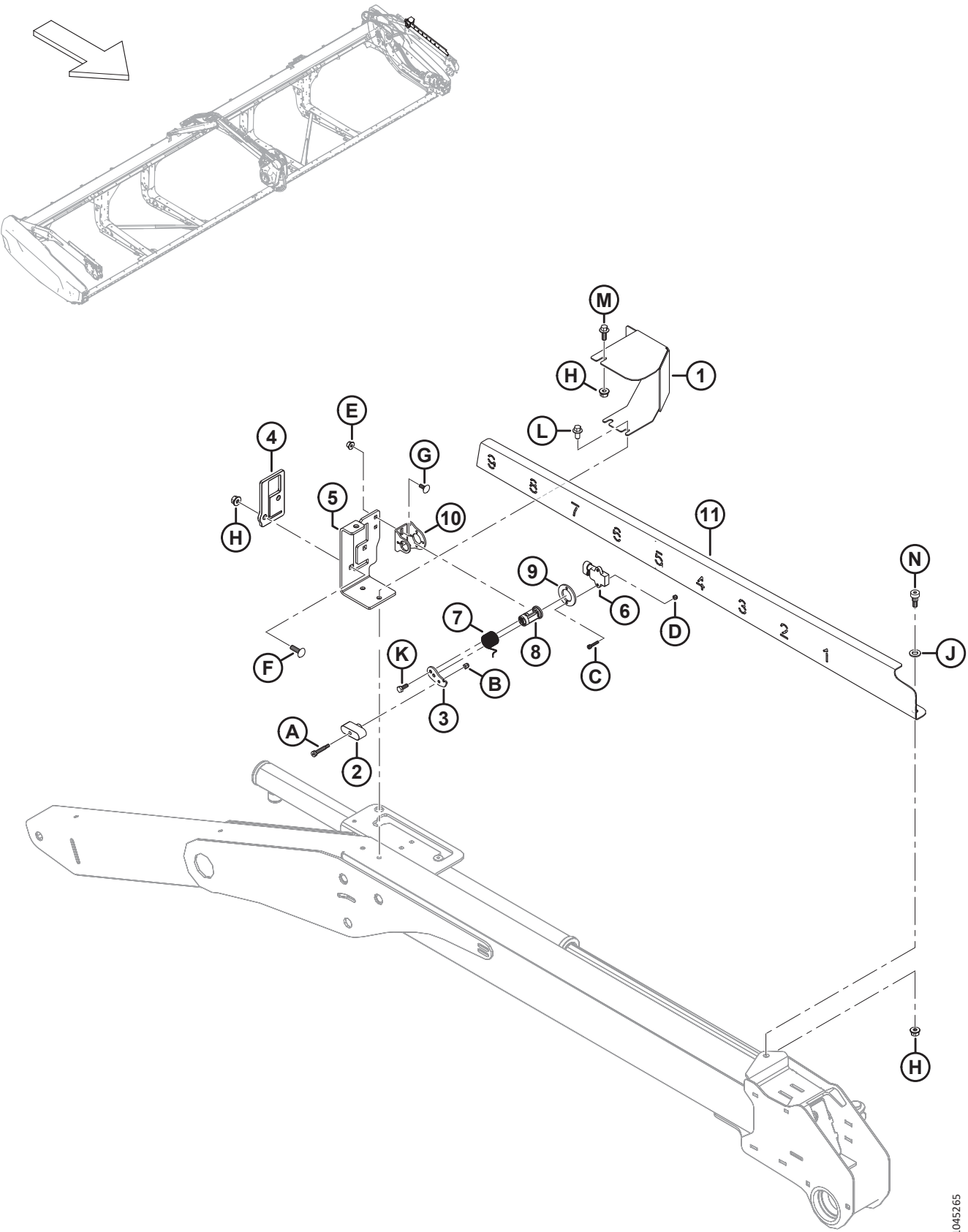
Unless otherwise stated, the parts and hardware listed in this section are used to service units made in model year 2023 and prior.

Ref	Part Number	Description	Qty	Serial Number
1	328556	SPRING – EXTENSION ³⁰⁵	1	–486189
2	328547	COVER – F/A SENSOR ³⁰⁶	1	–486189
3	340218	SUPPORT – REEL F/A INDICATOR ³⁰⁶	1	–486189
4	311318	GUIDE – REEL F/A ³⁰⁶	1	–486189
5	328539	ARM – F/A SENSOR ³⁰⁵	1	–486189
6	328534	SPACER – SENSOR BUSHING ³⁰⁵	2	–486189
7	323937	INDICATOR – REEL F/A ³⁰⁶	1	–486189
8	248643	ROTARY SENSOR – DUAL OUTPUT	1	–486189
9	206340	BUSHING – SHOULDER, M10	2	–486189
10	340183	PLATE – SENSOR SUPPORT ³⁰⁶	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 LOC M8 X 1.25-8-AA1J		
M	136595	BOLT – HEX HD TFL M6 X 1 X 55-8.8-AA1J		
N	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
P	184711	WASHER – FLAT REG M10-200HV-AA1J		

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

306. Superseded by Reel Fore-Aft Sensor kit (MD #368338) for model year 2024. For service parts, refer to Section [89](#) *Electrical – Reel Fore-Aft Sensor (2024 and Later), page 201.*

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



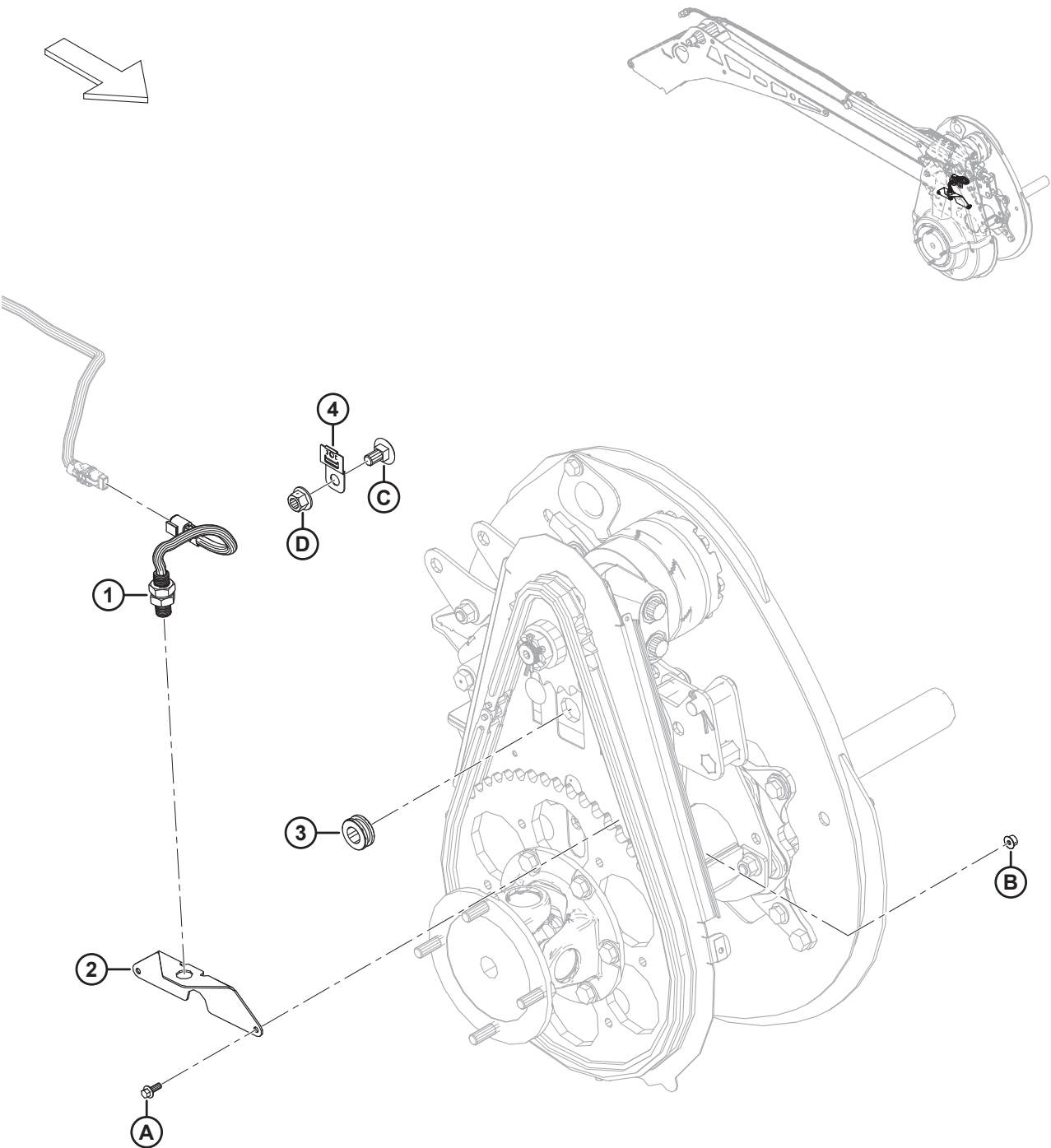
1045265

ELECTRICAL – REEL FORE-AFT SENSOR (2024 AND LATER)

Ref	Part Number	Description	Qty	Serial Number
	368338	KIT – FORE AFT SENSOR ³⁰⁷	A/R	
1	387200	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	387143	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 0.7X20-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		

307. 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.

90 Electrical – Reel Speed Sensor

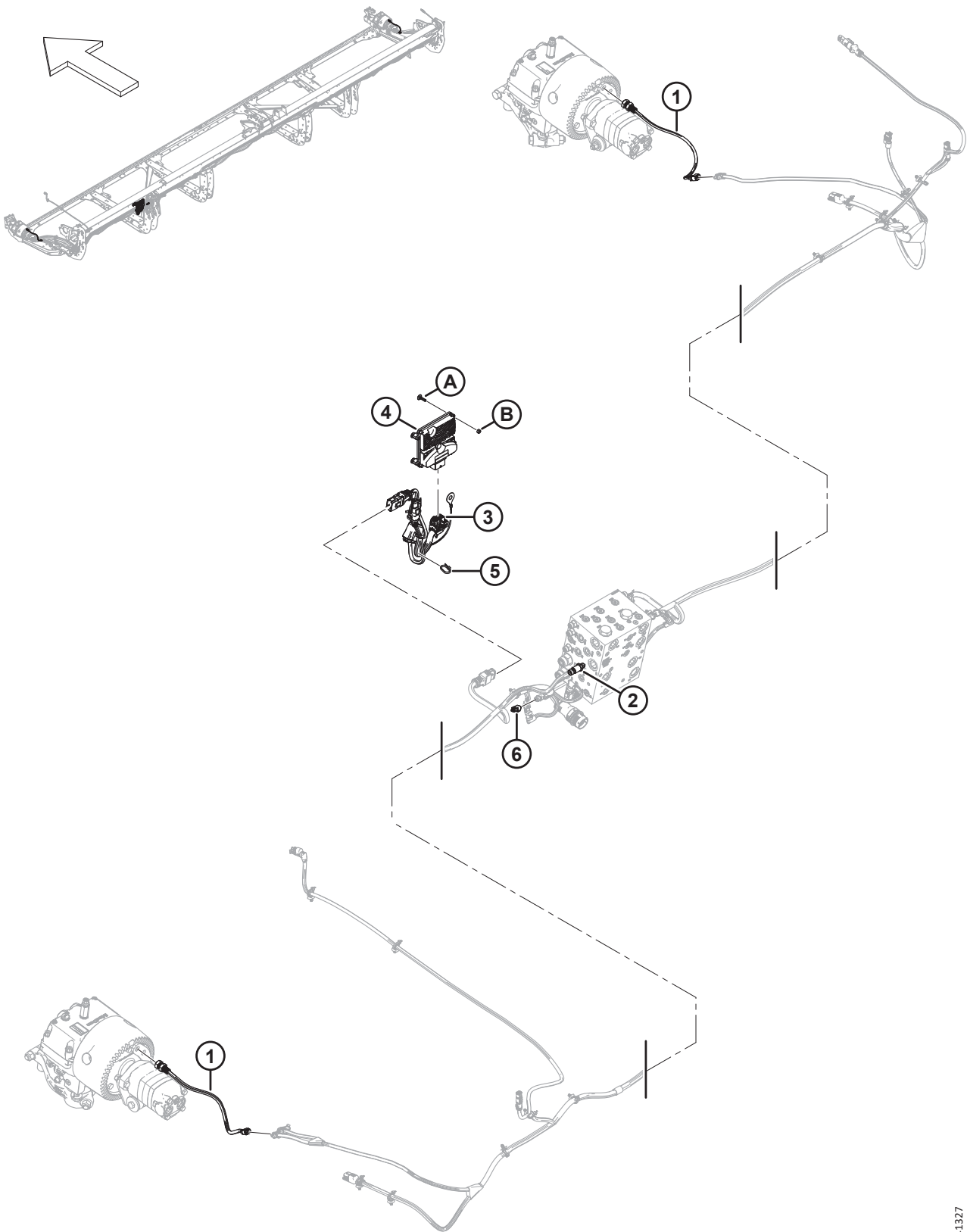


1043117

ELECTRICAL – REEL SPEED SENSOR

Ref	Part Number	Description	Qty	Serial Number
1	136167	SENSOR – SPEED	1	
2	273031	SUPPORT – REEL SPEED SENSOR	1	
3	273032	GROMMET – 3/4 IN. I.D. 1 3/8 IN. O.D.	1	
4	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
A	135959	BOLT – HEX FLG HD M6 X 1 X 16-10.9-AA1J		
B	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
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		

91 Electrical – Knife Speed Sensor



1041327

ELECTRICAL – KNIFE SPEED SENSOR

NOTE:

D2 Series Draper Headers used with M Series Windrowers require the Electronically Timed Double Knife Kit (MD #323625). For service parts, refer to Section *102 Windrower Completion – M Series Electronically Timed Double Knife Kit, page 227*.

Ref	Part Number	Description	Qty	Serial Number
1	136167	SENSOR – SPEED ³⁰⁸		
2	207346	SENDER – PRESSURE	1	
3	323046	HARNESS – D2 CNTRL EXT.	1	
	134043	RECEPT – DEUTSCH, DT04-3P-P006 (CAN TERMINATOR) ³⁰⁹		
4	500567	ASSY – STW ESX-3CS WITH ETDK (ELECTRONICALLY TIMED DOUBLE KNIFE) SW (CONTROL MODULE) ³¹⁰	1	
5	21763	FASTENER – CABLE TIE, BLACK	1	
6	323866	CONNECTOR – CAP, DEUT, DTM, 2POS	1	
A	197408	BOLT – RHSN M6 X 1 X 25 LG ZP		
B	136773	NUT HEX CTR LOC M6 X 1-8-AA1J		

308. Quantities: untimed double-knife drive = 1 (left end of header), timed double-knife drive = 2.

309. CAN terminator.

310. Module (MD #500567) accepts software (MD #217005).

92 Decals and Reflectors – D2 Series



DECALS AND REFLECTORS – D2 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 ³¹¹		
12	316639	DECAL – HEIGHT SETTING, RH		
	316649	DECAL – HEIGHT SETTING, LH		
13	132117	STRIP – ANTI SLIP		
14	279528	DECAL – RH DRAPER TENSION		
	220084	DECAL – LH DRAPER TENSION		
15	313729	DECAL – TIE DOWN		
16	323516	DECAL – GREASE (250 HRS)		
17	23164	DECAL – 25 HR LUBE		
	23165	DECAL – 50 HR LUBE		
	115759	DECAL – GREASE 100 HR		
18	129313	DECAL – IMPORTANT: GUARDS		
19	32070	DECAL – PATENT NUMBER		
20	313768	DECAL – GREASE, SR, 2PC AUGER RIGID		
	340129	DECAL – GREASE, DR, 2PC AUGER RIGID		
21	327802	DECAL – TIRE PRESSURE, 655 KPa (95 PSI) ³¹²		
	327717	DECAL – TIRE PRESSURE, 552 KPa (80 PSI) ³¹³		
22	289762	DECAL – DIVIDER LATCH-LH		
	289763	DECAL – DIVIDER LATCH-RH		
23	307727	REFLECTOR (CLEARANCE LIGHTS)		
24	302204	DECAL – CA PROPOSITION 65		
25	340164	DECAL – CAM LATCH		
26	313787	REFLECTOR – RED/ORANGE, 230 MM ³¹⁴		
	273873	REFLECTOR – DOUBLE-RED/ORANGE, 655 MM (8 IN. CENTER TUBE) ³¹⁵		
27	115146	REFLECTOR – AMBER, 230 MM		
	273440	REFLECTOR – AMBER, 655 MM (8 IN. CENTER TUBE) ³¹⁵		
	165524	REFLECTOR – RED, 230 MM ³¹⁶		

311. The decal is used for the stabilizer wheels option.

312. Tire pressure decal MD #327802 (655 kPa [95 psi]) is used with tire MD #327808.

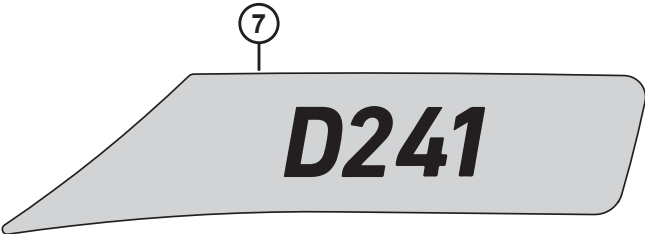
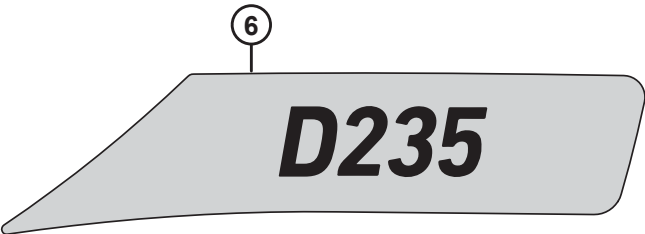
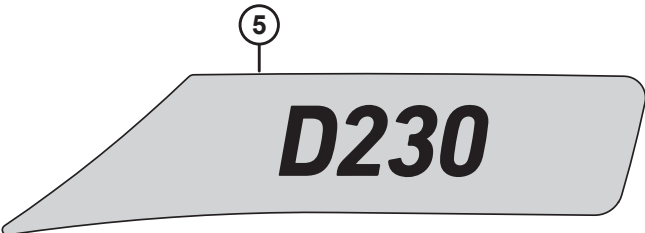
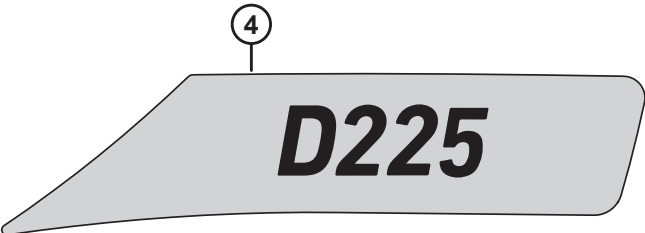
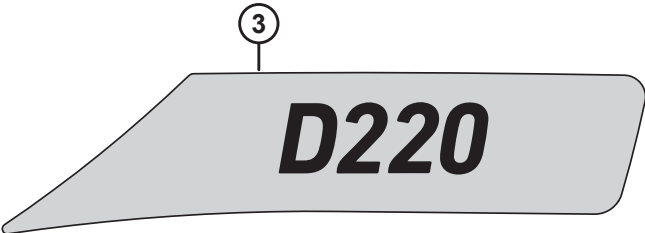
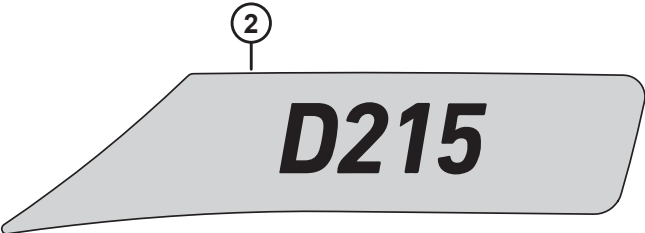
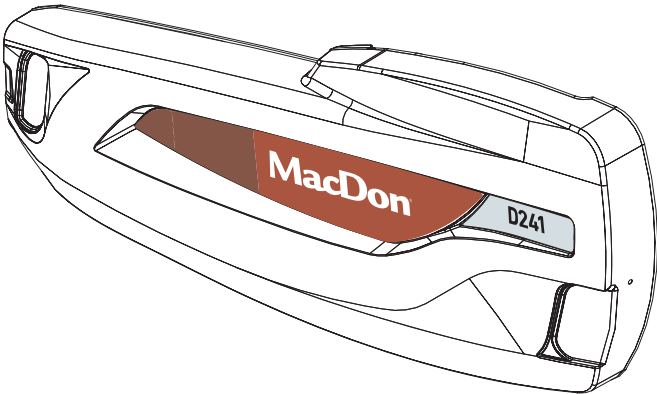
313. Tire pressure decal MD #327717 (552 kPa [80 psi]) remains available as a service part for superseded tire MD #230483.

314. The reflector is used for plastic/PVC surfaces.

315. The reflector is used on the reel center tubes.

316. The reflector is used on the right header endshield.

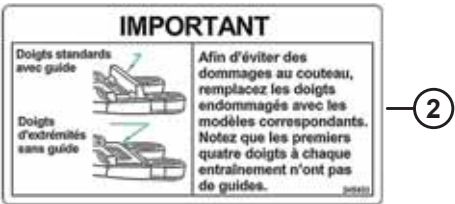
93 Decals – Product Identification



DECALS – PRODUCT IDENTIFICATION

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	340201	DECAL – D215, MODEL NUMBER, LH	1	
	340202	DECAL – D215, MODEL NUMBER, RH	1	
3	340203	DECAL – D220, MODEL NUMBER, LH	1	
	340204	DECAL – D220, MODEL NUMBER,, RH	1	
4	313423	DECAL – D225 MODEL NUMBER, LH	1	
	313424	DECAL – D225 MODEL NUMBER, RH	1	
5	313531	DECAL – D230 MODEL NUMBER, LH	1	
	313532	DECAL – D230 MODEL NUMBER, RH	1	
6	313533	DECAL – D235 MODEL NUMBER, LH	1	
	313534	DECAL – D235 MODEL NUMBER, RH	1	
7	313537	DECAL – D241 MODEL NUMBER, LH	1	
	313538	DECAL – D241 MODEL NUMBER, RH	1	

94 Decals – French



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		

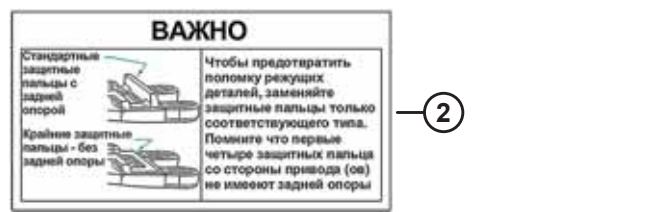
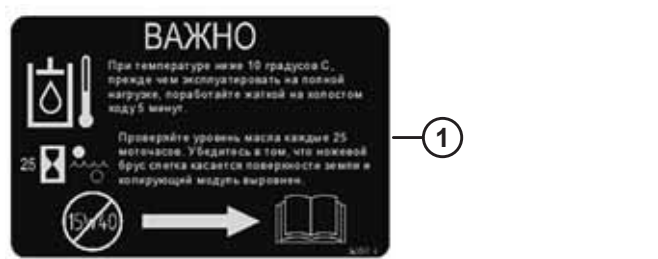
95 Decals – Portuguese



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		

96 Decals – Russian



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		

97 Decals – Spanish



DECALS – SPANISH

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		

98 Paint

PREPARATION: WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH Approved) and proper containment and clean up. For more information, call the National Lead Information Center at 1-800-424-1313 (in US) or contact your local health authority.

Surface must be free of grease, rust, dirt and wax. Mask off or protect other areas from overspray. Product should be sprayed in a well-ventilated area. Use at room temperature 21 °C (70 °F) for best operation.

FOR BEST RESULTS: Shake until ball inside can rattle. Hold can at top, and swing bottom of can in a circle for at least 2 minutes, making ball travel around bottom groove. Shake up and down occasionally. Repeat shaking procedure for 10 seconds after each minute of spraying. Press spray button firmly, with the can 15-25 cm (6-10 inches) from surface. Apply several thin coats. To prevent dripping, clear the valve by holding can upside down, and spray until only clear gas comes out.

Made in Canada / Fabriqué au Canada
For / Pour
MACDON INDUSTRIES LTD
WINNIPEG, MANITOBA

CANADA: CONSUMER CHEMICALS AND CONTAINERS REGULATIONS (CCCR)

CONTENTS MAY CATCH FIRE - CONTAINER MAY EXPLODE IF HEATED - MAY IRRITATE EYES - MAY IRRITATE SKIN
Do not smoke. Do not puncture or incinerate container. Do not breathe fumes. Do not swallow. Do not get on skin or clothing. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Stay away from heat. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If breathed in, move person to fresh air. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

USA: CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS (CPSC)

CONTENTS MAY CATCH FIRE - CONTAINER MAY EXPLODE IF HEATED - HARMFUL IF ABSORBED THROUGH SKIN - HARMFUL IF INHALED - SWALLOWED - CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION - MAY CAUSE SEVERE ALLERGIC RESPIRATORY AND SKIN REACTION - CANCER HAZARD - CAN CAUSE CANCER, DEVELOPMENTAL TOXICITY/TERTATOGENIC EFFECTS.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. In a fire or if heated, a pressure increase will occur and the container may burst or explode. Can enter lungs and cause damage. Risk of cancer depends on duration and level of exposure. Contains material which can cause birth defects. Contains material which can cause developmental abnormalities. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Use only with adequate ventilation. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Avoid exposure during pregnancy. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If breathed in, move person to fresh air. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

PREPARATION: MISE EN GARDE! Enlèvement des anciennes peintures par ponçage, découpage ou toute autre méthode risque de dégager des poussières ou des vapeurs contaminées par le plomb. L'exposition à ces poussières ou vapeurs peut entraîner un dysfonctionnement du cerveau ou d'autres effets néfastes sur la santé, surtout chez les femmes enceintes et les enfants. L'utilisation d'équipement de protection approprié, tel qu'un appareil respiratoire bien ajusté et homologué par le NIOSH, ainsi que des moyens de confinement adéquats et un nettoyage soigné des résidus sont nécessaires. Pour obtenir plus de renseignements, communiquer avec le National Lead Information Center au 1-800-424-1313 (aux E-U) ou avec le service local de santé publique.

La surface doit être exempte de graisse, de rouille, de saleté et de cire. Masquer ou protéger les surfaces avoisinantes pour les protéger des suraspersions. Le produit doit être vaporisé dans un endroit bien aéré. Pour optimiser les résultats, utiliser à température ambiante 21 °C (70 °F).

POUR DES RÉSULTATS OPTIMUM: Agiter le contenant jusqu'à ce que la bille de mélange bouge librement. Secouer la canette par le haut et en agiter le fond pendant au moins 2 minutes en faisant des mouvements circulaires pour que la bille se déplace autour du fond de la canette. Agiter de haut en bas de temps à autre. Agiter pendant 10 secondes pour chaque minute de vaporisation. Presser fermement sur le bouton de vaporisation en tenant la canette à 15-25 cm (6-10 pouces) de la surface. Appliquer plusieurs couches minces. Pour empêcher le gicler de résidus, le nettoyer en tenant la canette à l'envers et en pressant sur le bouton de vaporisation jusqu'à ce qu'il n'y ait que du gaz incandescent. Tableaux des produits conformes à la réglementation sur les COV de votre région.

CANADA: RÉGLEMENT SUR LES PRODUITS CHIMIQUES ET LES CONTENANTS DE CONSUMATION (RPPCC)

LE CONTENU PEUT S'ENFLAMMER - CE CONTENANT PEUT EXPLODIER S'IL EST CHAUFFÉ - PEUT IRRITER LES YEUX - PEUT IRRITER LA PEAU
Ne pas fumer. Ne pas perfore. Ne pas brûler le contenant. Ne pas respirer les émanations. Ne pas avaler. Éviter tout contact avec les yeux. Éviter tout contact avec la peau ou les vêtements. Éviter que dans un endroit bien aéré. Tenir loin des flammes, telle une flamme pilote, et de tout objet produisant des étincelles, tel un moteur électrique. Conserver loin des sources de chaleur. Tenir hors de portée des enfants.

PREMIERS SOINS: Contient Xylène; 1,2,4-Triméthylbenzène; Méthyléthylcétone; Éthylbenzène. En cas d'inhalation, transporter à l'air frais la personne exposée. En cas d'ingestion, appeler immédiatement un centre antipoison ou un médecin. Ne pas provoquer le vomissement. En cas de contact avec les yeux, rincer avec de l'eau pendant 15 minutes. En cas de contact avec la peau, bien rincer avec de l'eau.

MacDon Performance Parts

Industrial Touch Up Paint Peinture de retouche industrielle



DANGER!

**FLAMMABLE - CONTENTS UNDER PRESSURE
INFLAMMABLE - CONTENU SOUS PRESSION**



Part number / Numéro de pièce

Net weight with paint / Poids net avec peinture **12 oz / 340 g**

1

2

Read and understand all safety instructions before using this product.
Lire et comprendre toutes les consignes de sécurité avant d'utiliser ce produit.

Made in Canada / Fabriqué au Canada
For / Pour
MACDON INDUSTRIES LTD
WINNIPEG, MANITOBA

CANADA: CONSUMER CHEMICALS AND CONTAINERS REGULATIONS (CCCR)

CONTENTS MAY CATCH FIRE, MAY IRRITATE EYES, MAY IRRITATE SKIN. Do not smoke. Do not get on skin or clothing. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Stay away from heat. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

CANADA: RÉGLEMENT SUR LES PRODUITS CHIMIQUES ET LES CONTENANTS DE CONSUMATION (RPPCC)

LE CONTENU PEUT S'ENFLAMMER, PEUT IRRITER LES YEUX, PEUT IRRITER LA PEAU. Ne pas fumer. Ne pas se salir. Ne pas se salir les vêtements. Ne pas respirer les émanations. Ne pas avaler. Éviter tout contact avec les yeux. Éviter tout contact avec la peau ou les vêtements. Éviter que dans un endroit bien aéré. Tenir loin des flammes, telle une flamme pilote, et de tout objet produisant des étincelles, tel un moteur électrique. Conserver loin des sources de chaleur. Tenir hors de portée des enfants.

PREMIERS SOINS: Contient Xylène; 1,2,4-Triméthylbenzène; Méthyléthylcétone; Éthylbenzène. En cas d'ingestion, appeler immédiatement un centre antipoison ou un médecin. Ne pas provoquer le vomissement. En cas de contact avec les yeux, rincer avec de l'eau pendant 15 minutes. En cas de contact avec la peau, bien rincer avec de l'eau.

USA: CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS (CPSC)

FLAMMABLE LIQUID AND VAPOR. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL IF INHALED. SWALLOWED - CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE SEVERE ALLERGIC RESPIRATORY AND SKIN REACTION. CANCER HAZARD - CAN CAUSE CANCER, DEVELOPMENTAL TOXICITY/TERTATOGENIC EFFECTS.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Can enter lungs and cause damage. Risk of cancer depends on duration and level of exposure. Contains material which can cause birth defects. Contains material which can cause developmental abnormalities. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Use only with adequate ventilation. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Avoid exposure during pregnancy. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

MacDon Performance Parts

Industrial Paint / Peinture industrielle



DANGER!
FLAMMABLE / INFLAMMABLE

One US quart

Part number / Numéro de pièce

946 ml

DIRECTIONS FOR USE

THIS PRODUCT IS READY TO USE. NO MIXING IS REQUIRED.

APPLICATION

Spray material at 40 to 55 PSI (2.7 to 3.8 MPa).

USING A PRIMER IS NOT NECESSARY WITH THIS PRODUCT.

Spray medium wet coat, allow to tack and follow with full wet coat.

FOR VOC REGULATED AREAS

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing and usage recommendations in the VOC Compliant Products Chart for your area.

MODE D'EMPLOI

CE PRODUIT EST PRÊT À L'UTILISATION, AUCUN MÉLANGE N'EST REQUIS.

APPLICATION

Pulvériser à une pression de 40 à 55 lb/po (2,7 à 3,8 MPa).

L'UTILISATION D'UN APPRÊT N'EST PAS NÉCESSAIRE AVEC CE PRODUIT.

Appliquez une couche moyennement chargée, laissez sécher jusqu'à ce qu'elle devienne mate, puis appliquez une couche chargée.

RÉGLEMENTATION SUR LES COV

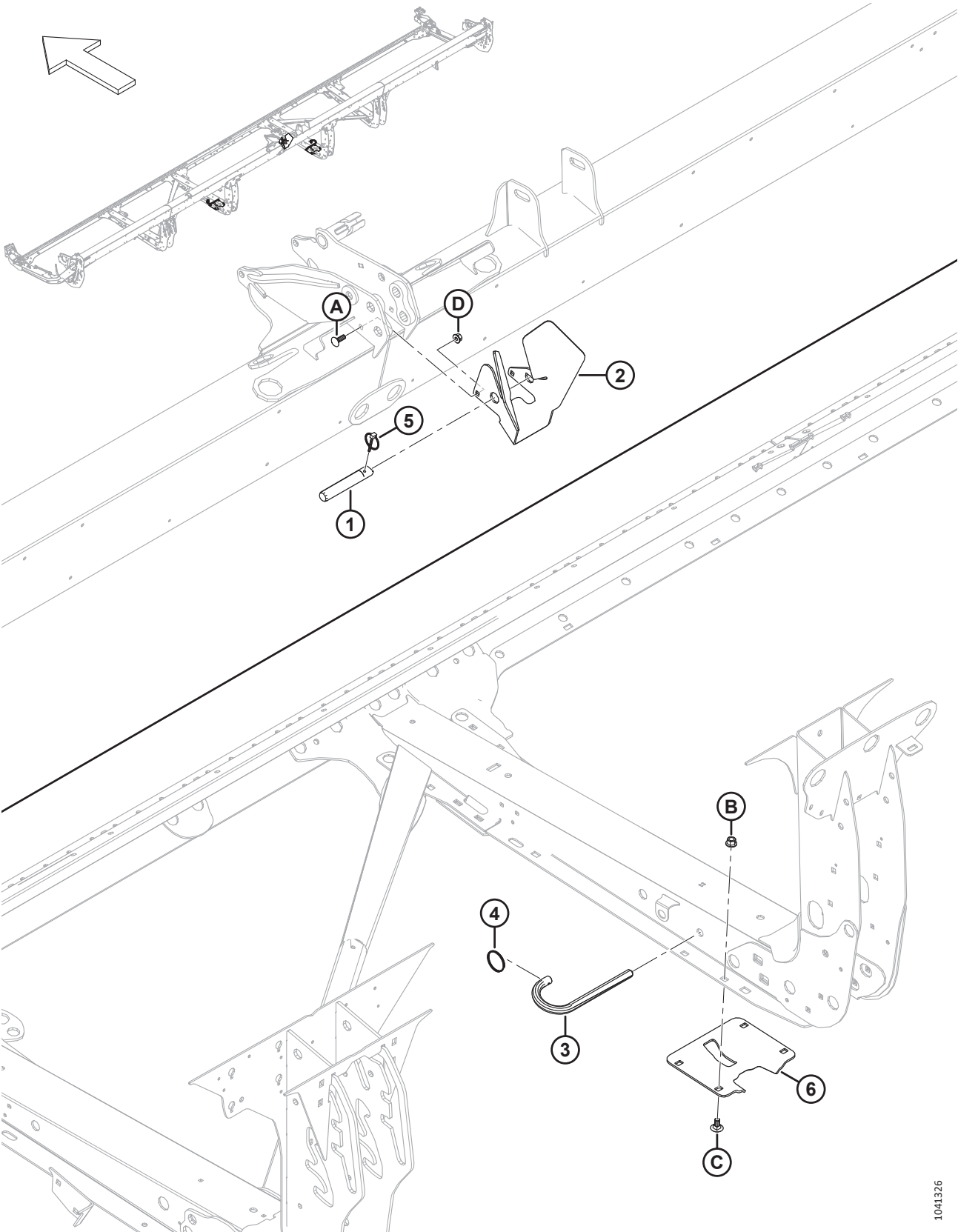
Ces directives concernent l'utilisation de produits pouvant être réglementés ou soumis à des instructions de mélange spéciales dans les régions où les émissions COV sont réglementées. Suivez les recommandations de mélange et d'emploi indiquées au Tableau des produits conformes à la réglementation sur les COV de votre région.

PAINT

Ref	Part Number	Description	Qty	Serial Number
1	135148	PAINT – BLACK (55-65 GLOSS LEVEL), SPRAY CAN, 12 OZ. (340 G) AEROSOL ³¹⁷		
	32879	PAINT – WHITE, SPRAY CAN, 12 OZ. (340 G) AEROSOL ³¹⁷		
	23950	PAINT – RED, SPRAY CAN, 12 OZ. (340 G) AEROSOL ³¹⁷		
2	25991	PAINT – BLACK (55-65 GLOSS LEVEL), 1 US QUART (946 ML)		
	32880	PAINT – RED, 1 US QUART (946 ML)		

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

99 Windrower Completion – Retaining Pins

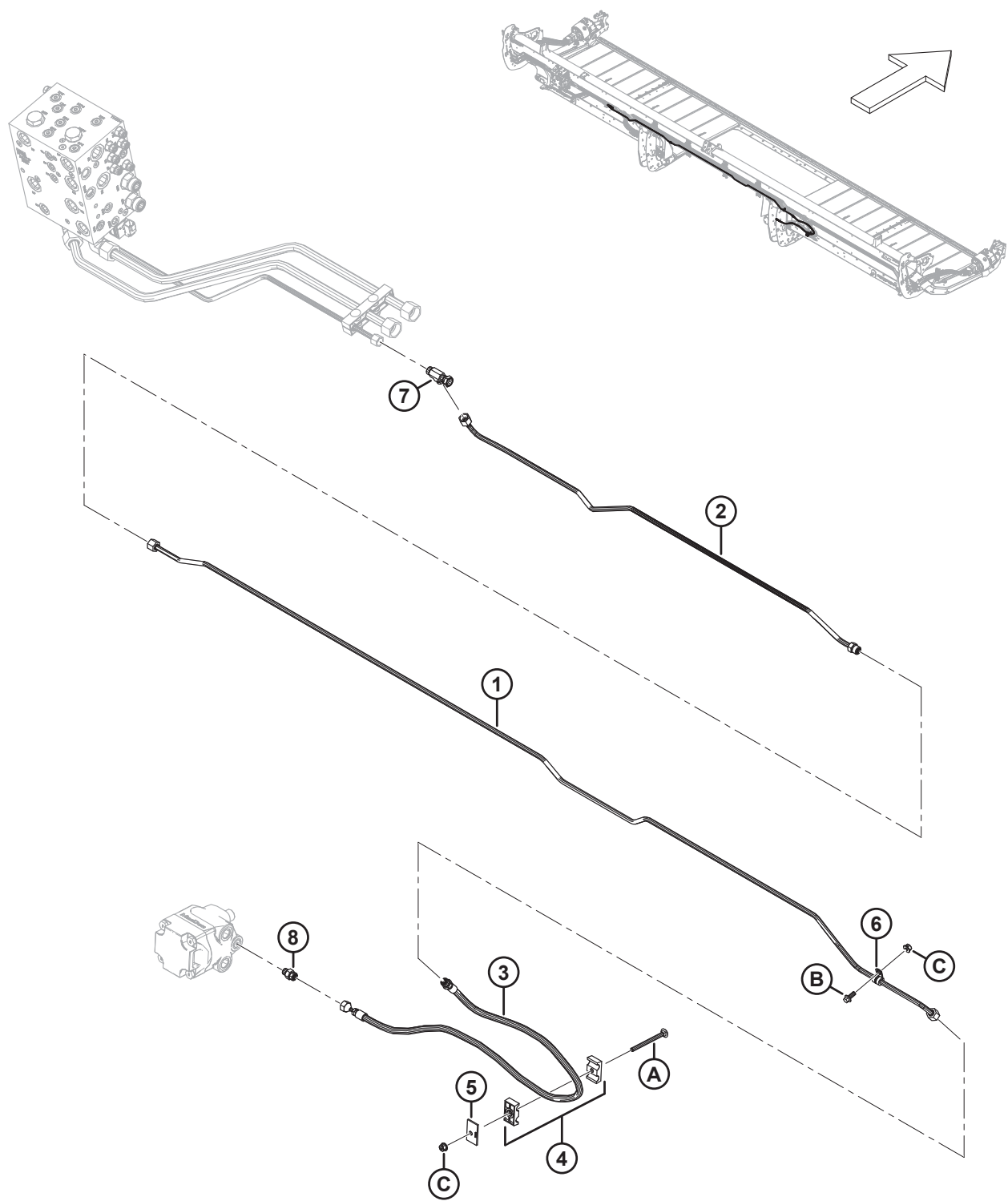


1041326

WINDROWER COMPLETION – RETAINING PINS

Ref	Part Number	Description	Qty	Serial Number
1	360360	PIN	1	
2	283291	GUIDE – TILT CYLINDER	1	
3	124399	PIN	2	
4	118137	RING	2	
5	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	1	
6	233991	SUPPORT – FORMED	2	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

100 Windrower Completion – Draper Drive Hydraulics, Center Delivery, Case Drain



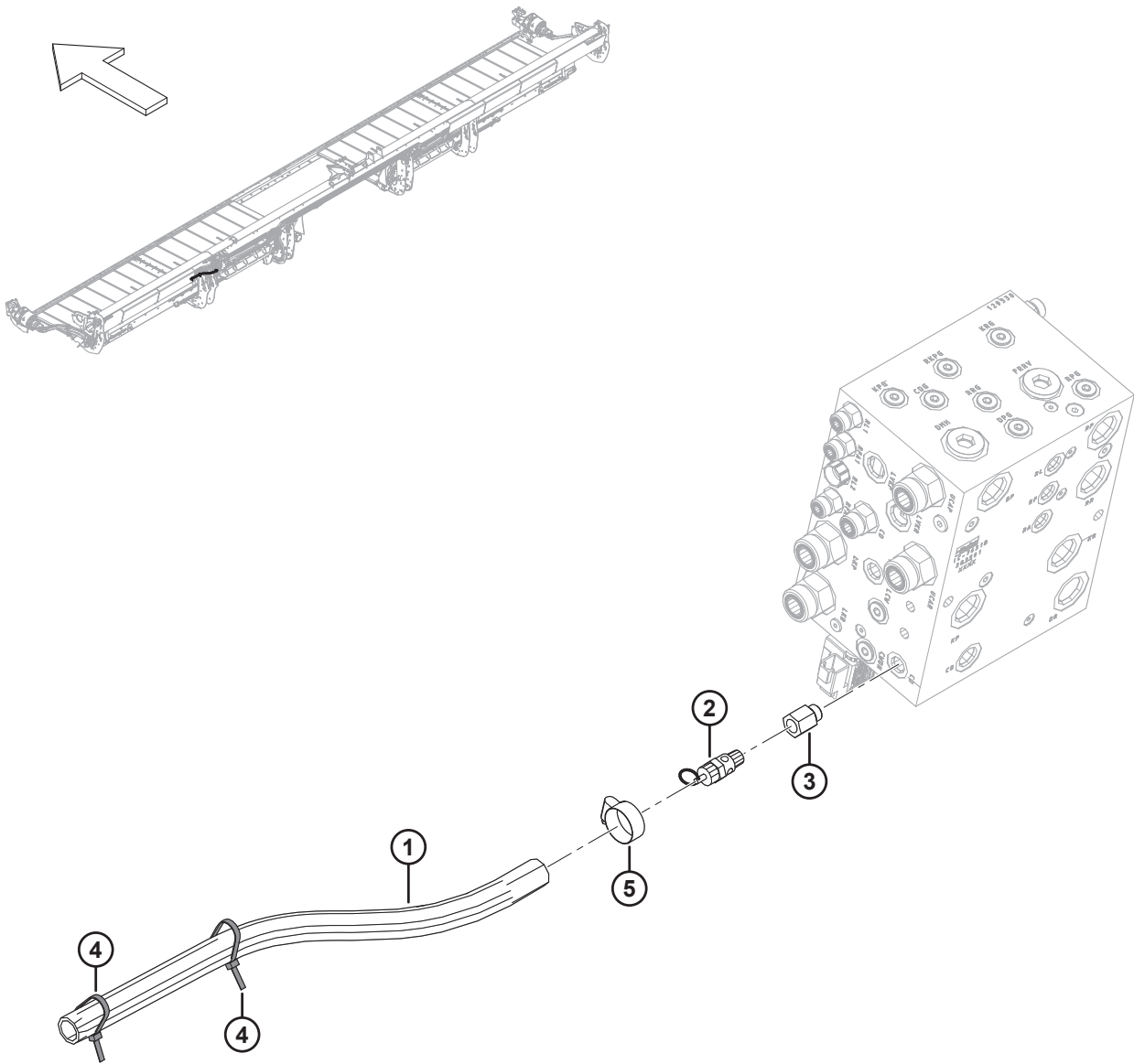
1041405

WINDROWER COMPLETION – DRAPER DRIVE HYDRAULICS, CENTER DELIVERY, CASE DRAIN

Ref	Part Number	Description	Qty	Serial Number
1	323410	LINE – HYDRAULIC	1	
2	323409	LINE – HYDRAULIC	1	
3	323830	HOSE – HYD	1	
4	232395	CLAMP – ASSY ³¹⁸	1	
5	184303	CLAMP – COVER PLATE	1	
6	136410	CLAMP – INSULATED 3/8 IN.	1	
7	136097	FITTING – TEE HYD	1	
8	135778	FITTING – ADAPTER	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
A	252633	BOLT – RHSN M8 X 1.25 X 100-8.8-AA1J		
B	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

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

101 Windrower Completion – Draper Drive Hydraulics, Case Drain Relief

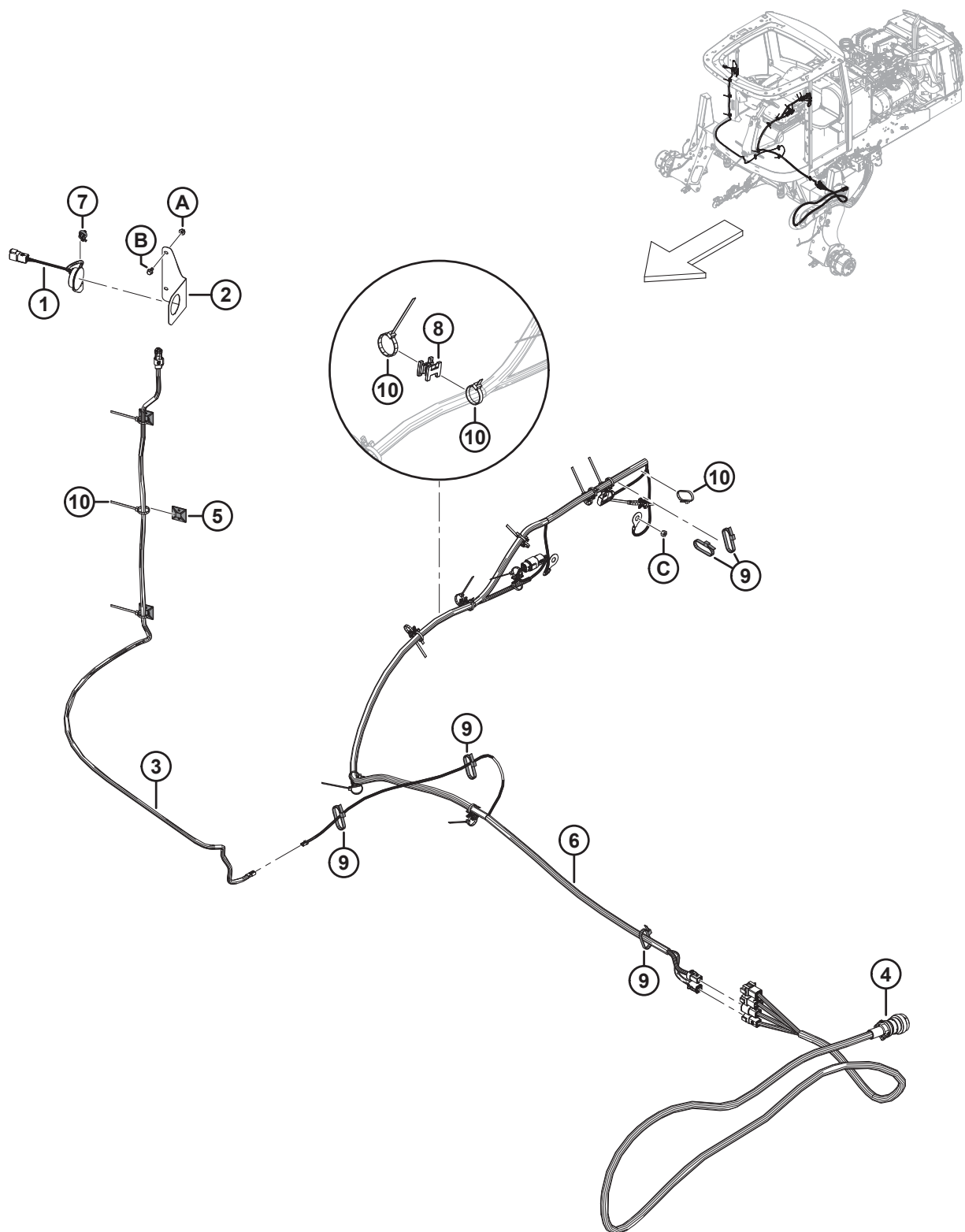


1041403

WINDROWER COMPLETION – DRAPER DRIVE HYDRAULICS, CASE DRAIN RELIEF

Ref	Part Number	Description	Qty	Serial Number
1	323657	HOSE – HEATER, CD RELIEF	1	
2	198927	VALVE – RELIEF	1	
3	136464	FITTING – ADAPTER HYD	1	
4	21763	FASTENER – CABLE TIE, BLACK	2	
5	21349	CLAMP – HOSE GEAR TYPE	1	

102 Windrower Completion – M Series Electronically Timed Double Knife Kit

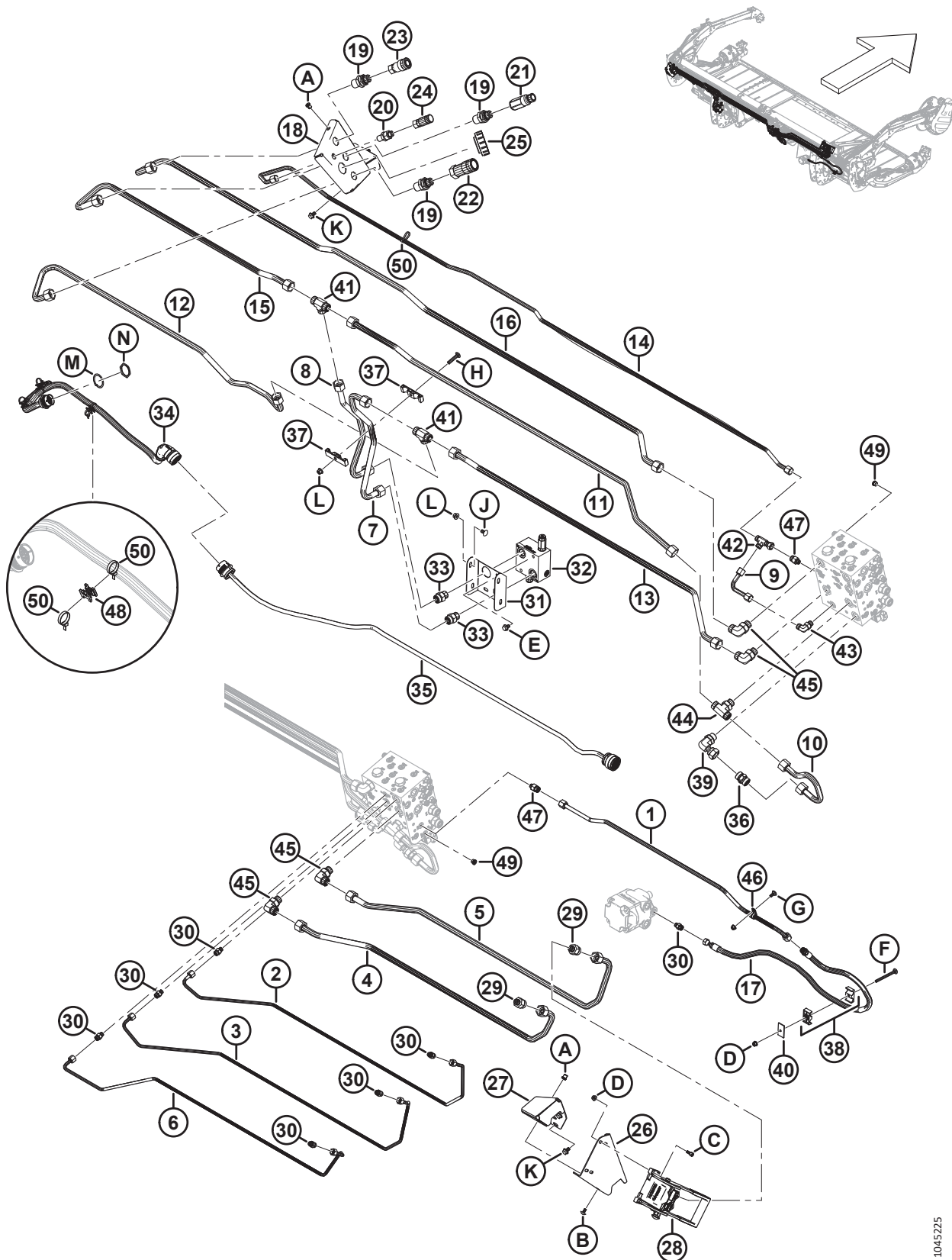


WINDROWER COMPLETION – M SERIES ELECTRONICALLY TIMED DOUBLE KNIFE KIT

Ref	Part Number	Description	Qty	Serial Number
	323625	KIT – ASSY M SERIES ETDK ³¹⁹		
1	500563	MODULE – CAB DISPLAY DIAGNOSTICS	1	
2	323619	BRACKET – DISPLAY MOUNT	1	
3	323390	HARNESS – ADAPTER, D2-M, DISPLAY	1	
4	323388	HARNESS – ADAPTER, D2-M	1	
5	305330	MOUNT – CABLE TIE 4 WAY ADHESIVE	3	
6	160725	HARNESS – ADAPTER D2-M, PWR	1	
7	136655	FASTENER – FIR TREE MT W/ TIE	1	
8	134442	SPACER – DUAL SWIVEL SADDLE	9	
9	30753	FASTENER – CABLE TIE, BLACK, 305 MM LONG	6	
10	21763	FASTENER – CABLE TIE, BLACK, 160 MM LONG	24	
A	181712	NUT – HEX DT SMTH FLG 1/4-20-GR5-AA1J		
B	21968	BOLT – HEX FLG SER HD 1/4-20 X 0.5 GR 5-AA1J		
C	18589	NUT – HEX 5/16-18 UNC GR 5 ZP		

319. The ETDK kit (MD #323625) includes all listed parts and instructions.

103 Windrower Completion – M Series Hydraulics and Electrical (D215 and D220)



1045225

WINDROWER COMPLETION – M SERIES HYDRAULICS AND ELECTRICAL (D215 AND D220)

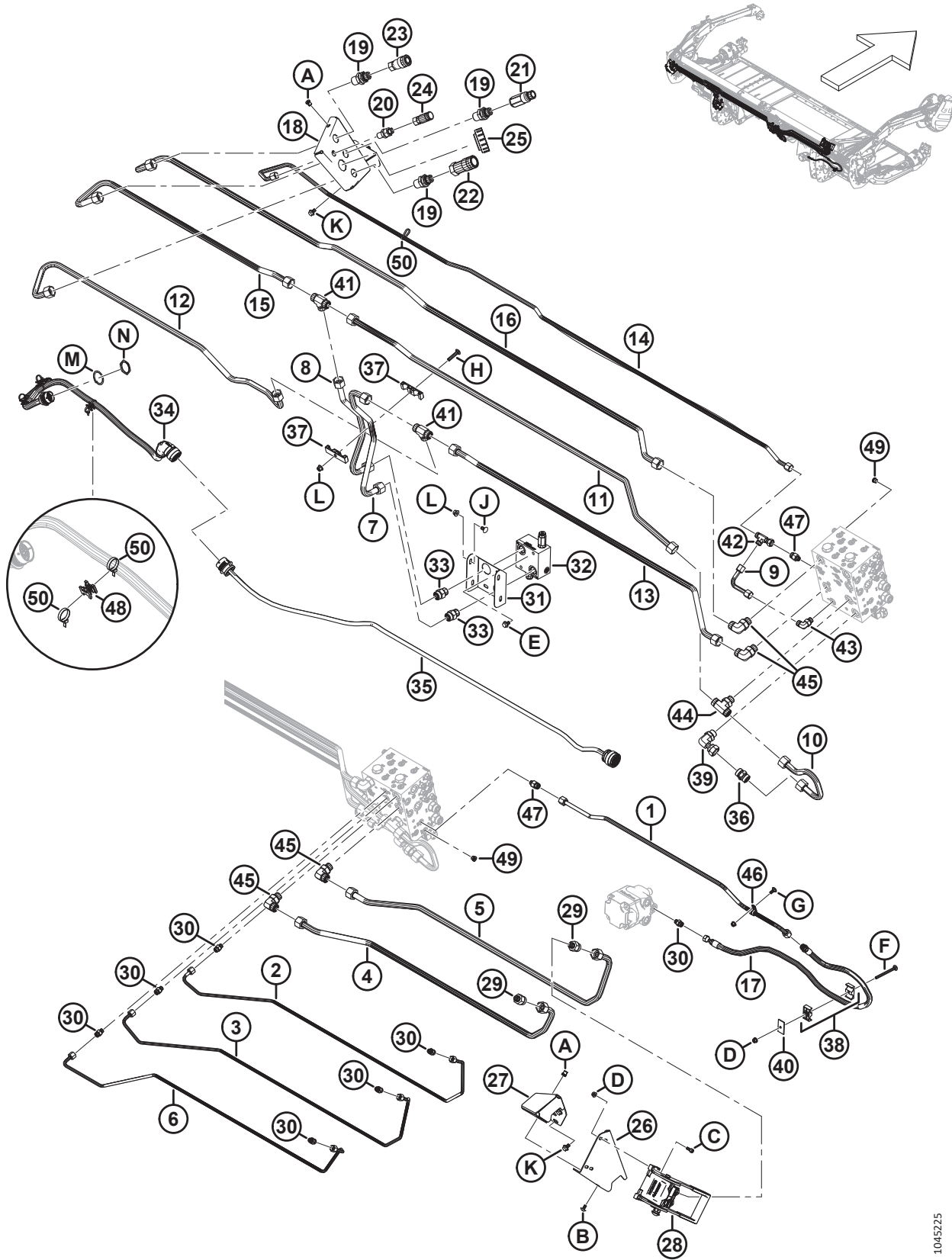
Ref	Part Number	Description	Qty	Serial Number
1	323544	LINE – HYDRAULIC	1	
2	323504	LINE – HYDRAULIC	1	
3	323503	LINE – HYDRAULIC	1	
4	323502	LINE – HYDRAULIC	1	
5	323501	LINE – HYDRAULIC	1	
6	323498	LINE – HYDRAULIC	1	
7	323566	LINE – HYDRAULIC	1	
8	323565	LINE – HYDRAULIC	1	
9	323543	LINE – HYDRAULIC	1	
10	323489	LINE – HYDRAULIC	1	
11	323535	LINE – HYDRAULIC	1	
12	323495	LINE – HYDRAULIC	1	
13	323494	LINE – HYDRAULIC	1	
14	323491	LINE – HYDRAULIC	1	
15	323490	LINE – HYDRAULIC	1	
16	323488	LINE – HYDRAULIC	1	
17	323650	HOSE – HYD	1	
18	323733	ASSY – COUPLER SUPPORT W/NUTS ³²⁰	1	
19	136784	FITTING – ADAPTER BLK HD HYD	3	
20	136195	FITTING – UNION HYD BLK HD	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
21	135566	COUPLING – MALE HYD. 3/4 IN FLAT FACE	1	
22	135565	COUPLER – FEMALE HYD. 3/4 IN. FLAT FACE	1	
23	135474	COUPLER – HYDRAULIC, 1/2 IN FEMALE FF	1	
24	135312	COUPLER – FEMALE HYD.3/8 IN. FLAT FACE	1	
25	500467	CONNECTOR – CAP, RCPT S24	1	
26	323923	SUPPORT – MULTICOUPLER	1	
27	323712	ASSY – RH SUPPORT M-SERIES ³²⁰	1	
28	153151	COUPLING – MULTI ³²¹	1	
	129800	KIT – COVER CNH MULTI-COUPLER		
	129801	KIT – LATCH BUTTON		
	129976	COUPLING 1/4 IN.		
	129977	COUPLING 3/8 IN.		
29	136756	FITTING – ADAPTER	2	
30	135778	FITTING – ADAPTER ³²²	7	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
31	323547	CHANNEL – VALVE SUPPORT	1	
32	243840	VALVE – DRAPER KNIFE RELIEF	1	

320. The assembly includes two rivnuts (MD #252179).

321. The multicoupler includes cover kit (MD #129800), latch button kit (MD #129801), and couplings (MD #129976, 129977).

322. Three of these fittings connect to ports RL, RF, and RA on the manifold.

WINDROWER COMPLETION – M SERIES HYDRAULICS AND ELECTRICAL (D215 AND D220)



1045225

WINDROWER COMPLETION – M SERIES HYDRAULICS AND ELECTRICAL (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
33	135788	FITTING – ADAPTER	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
34	323419	HARNESS – ADPTR, D2-MMINI EXT	1	
35	378526	HARNESS EXT.– D2 M15/20 FT.	1	
36	323298	FITTING – ADAPTER INLINE CHECK	1	
37	283993	CLAMP – LINE DRAPER	2	
38	247750	CLAMP – ASSY ³²³	1	
39	242352	FITTING – ELBOW HYD	1	
40	184303	CLAMP – COVER PLATE	1	
41	136808	FITTING – TEE HYD	2	
42	136459	FITTING – TEE HYD	1	
	135866	O-RING – 1.78 X 12.42		
43	136220	FITTING – ELBOW 90° HYD ³²⁴	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
44	135887	FITTING – BRANCH TEE HYD ³²⁵	1	
45	135821	FITTING – ELBOW 90° HYD ³²⁶	4	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
46	135818	CLAMP – INSULATED 1/2 IN.	1	
47	135779	FITTING – ADAPTER ³²⁷	2	
48	134442	SPACER – DUAL SWIVEL SADDLE	3	
49	100577	FITTING – PLUG HYD 6 ORB HEX SOC ³²⁸	2	
	50219	O-RING – 1.98 X 11.89		
50	21763	FASTENER – CABLE TIE, BLACK	7	
A	252179	RIVNUT – M8 X 1.25 HEX 0.7-3.8		
B	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-ZINC		
C	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
F	252633	BOLT – RHSN M8 X 1.25 X 100-8.8-AA1J		
G	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
H	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
J	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
K	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
L	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
M	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
N	134010	NUT – PANEL, HD30, SIZE 24		

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

324. This fitting connects to port CD on the manifold.

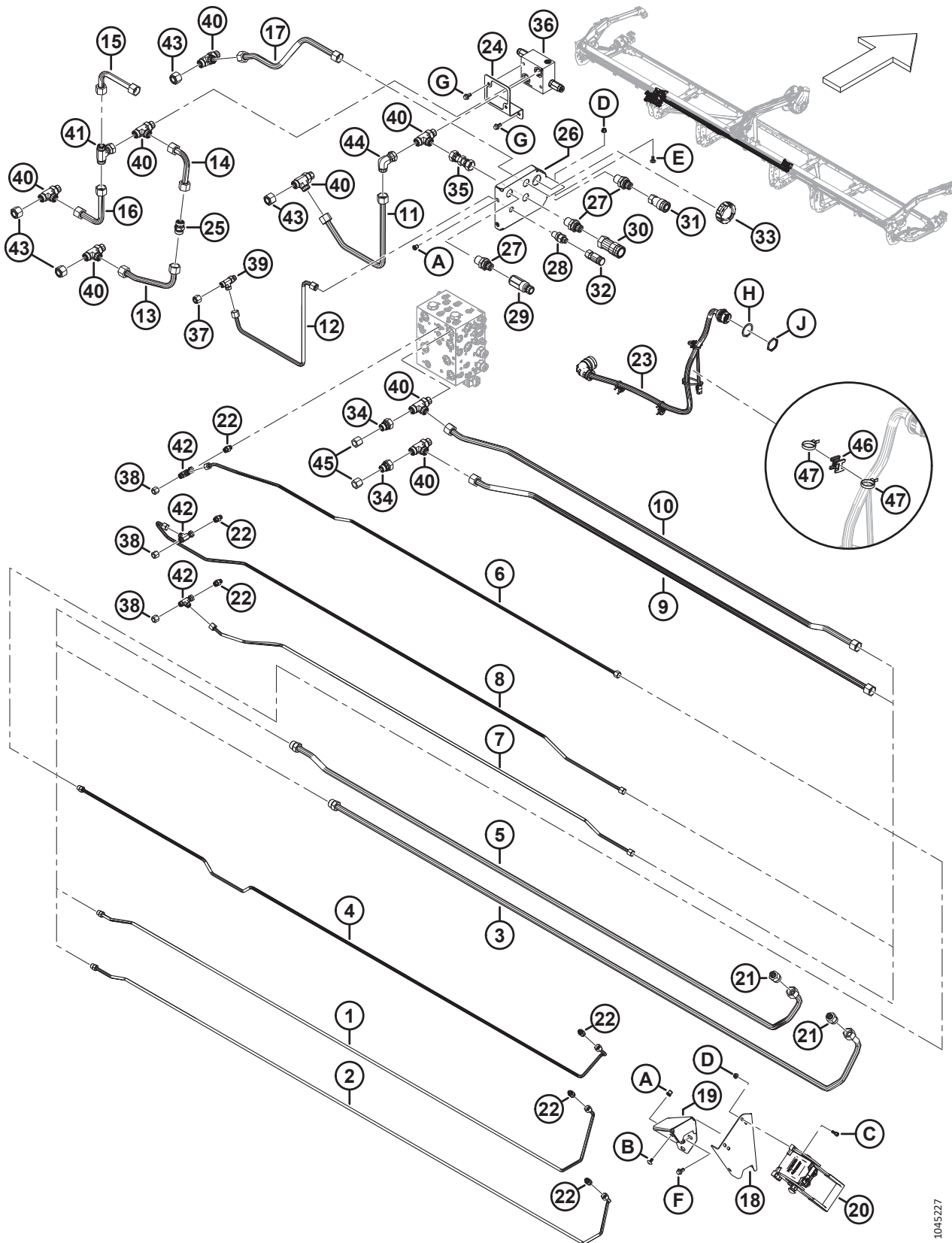
325. This fitting connects to port KR on the manifold.

326. These fittings connect to ports DP, KP, RP, and RR on the manifold.

327. These fittings connect to ports LCW and RCW on the manifold.

328. These fittings connect to ports CWUP and CWDN on the manifold.

104 Windrower Completion – M Series Hydraulics (D225, D230, D235, and D241)



1045227

WINDROWER COMPLETION – M SERIES HYDRAULICS (D225, D230, D235, AND D241)

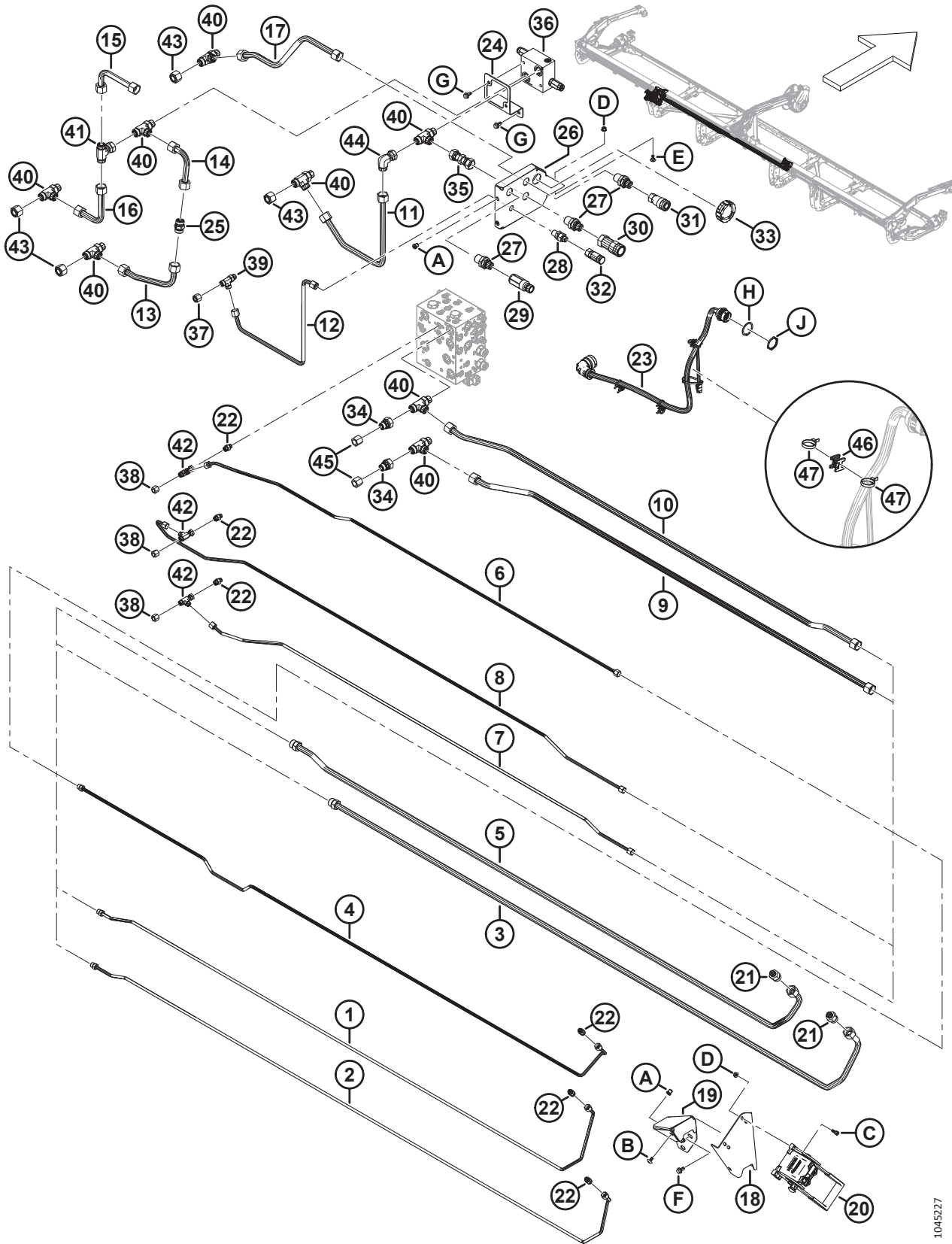
Ref	Part Number	Description	Qty	Serial Number
1	323260	LINE – HYDRAULIC	1	
2	323259	LINE – HYDRAULIC	1	
3	323249	LINE – HYDRAULIC	1	
4	323247	LINE – HYDRAULIC	1	
5	323246	LINE – HYDRAULIC	1	
6	323861	LINE – HYDRAULIC	1	
7	323308	LINE – HYDRAULIC	1	
8	323307	LINE – HYDRAULIC	1	
9	323305	LINE – HYDRAULIC	1	
10	323304	LINE – HYDRAULIC	1	
11	323310	LINE – HYDRAULIC	1	
12	323299	LINE – HYDRAULIC	1	
13	323297	LINE – HYDRAULIC	1	
14	323296	LINE – HYDRAULIC	1	
15	323295	LINE – HYDRAULIC	1	
16	323294	LINE – HYDRAULIC	1	
17	323237	LINE – HYDRAULIC	1	
18	323923	SUPPORT – MULTICOUPLER	1	
19	323712	ASSY – RH SUPPORT M-SERIES ³²⁹	1	
20	153151	COUPLING – MULTI ³³⁰	1	
	129800	KIT – COVER CNH MULTI-COUPLER		
	129801	KIT – LATCH BUTTON		
	129976	COUPLING 1/4 IN.		
	129977	COUPLING 3/8 IN.		
21	136756	FITTING – ADAPTER	2	
22	135778	FITTING – ADAPTER ³³¹	6	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
23	323419	HARNESS – ADPTR, D2-MMINI EXT	1	
24	323320	SUPPORT – VALVE MANIFOLD	1	
25	323298	FITTING – ADAPTER INLINE CHECK	1	
26	323228	ASSY – SUPPORT C/W RIVNUTS ³²⁹	1	
27	136784	FITTING – ADAPTER BLKHD HYD	3	
28	136195	FITTING – UNION HYD BLKHD	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
29	135566	COUPLING – MALE HYD. 3/4 IN FLAT FACE	1	
30	135565	COUPLER – FEMALE HYD. 3/4 IN. FLAT FACE	1	
31	135474	COUPLER – HYDRAULIC, 1/2 IN FEMALE FF	1	
32	135312	COUPLER – FEMALE HYD. 3/8 IN. FLAT FACE	1	
33	500467	CONNECTOR – CAP, RCPT S24	1	

329. The assembly includes two rivnuts (MD #252179).

330. The multicoupler includes cover kit (MD #129800), latch button kit (MD #129801), and couplings (MD #129976, 129977).

331. Three of these fittings connect to ports RL, RF, and RA on the manifold.

WINDROWER COMPLETION – M SERIES HYDRAULICS (D225, D230, D235, AND D241)



WINDROWER COMPLETION – M SERIES HYDRAULICS (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
34	252525	FITTING – ADAPTER HYD	2	
35	252058	FITTING – UNION HYD	1	
36	243840	VALVE – DRAPER KNIFE RELIEF	1	
37	136741	FITTING – CAP HYD -8 ORFS	1	
38	136325	FITTING – CAP HYD -6 ORFS	3	
39	136258	FITTING – TEE HYD ³³²	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
40	136257	FITTING – TEE HYD ³³³	8	
	135868	O-RING – 1.78 X 18.77		
	30971	O-RING – 2.95 X 23.47		
41	136256	FITTING – TEE HYD	1	
	135868	O-RING – 1.78 X 18.77		
42	136097	FITTING – TEE HYD	3	
43	135889	FITTING – CAP HYD -12 ORFS	4	
44	135888	FITTING – ELBOW 90° HYD	1	
45	135860	FITTING – CAP HYD -10 ORFS	2	
46	134442	SPACER – DUAL SWIVEL SADDLE	3	
47	21763	FASTENER – CABLE TIE, BLACK	7	
A	252179	RIVNUT – M8 X 1.25 HEX 0.7-3.8		
B	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-ZINC		
C	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
F	152670	BOLT – HEX FLG HD M10 X 1.5 X 20-SPC-8.8-AA1J		
G	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
H	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
J	134010	NUT – PANEL, HD30, SIZE 24		

332. This fitting connects to port CD on the manifold.

333. Six of these fittings connect to ports DP, KP, RP, RR, KR, and DR on the manifold; the other two fittings connect to ports P1 and P2 on relief valve (MD #243840).



WINDROWER COMPLETION – M1/M2 SERIES HYDRAULICS, HOSE SUPPORT ARM AND MOUNT

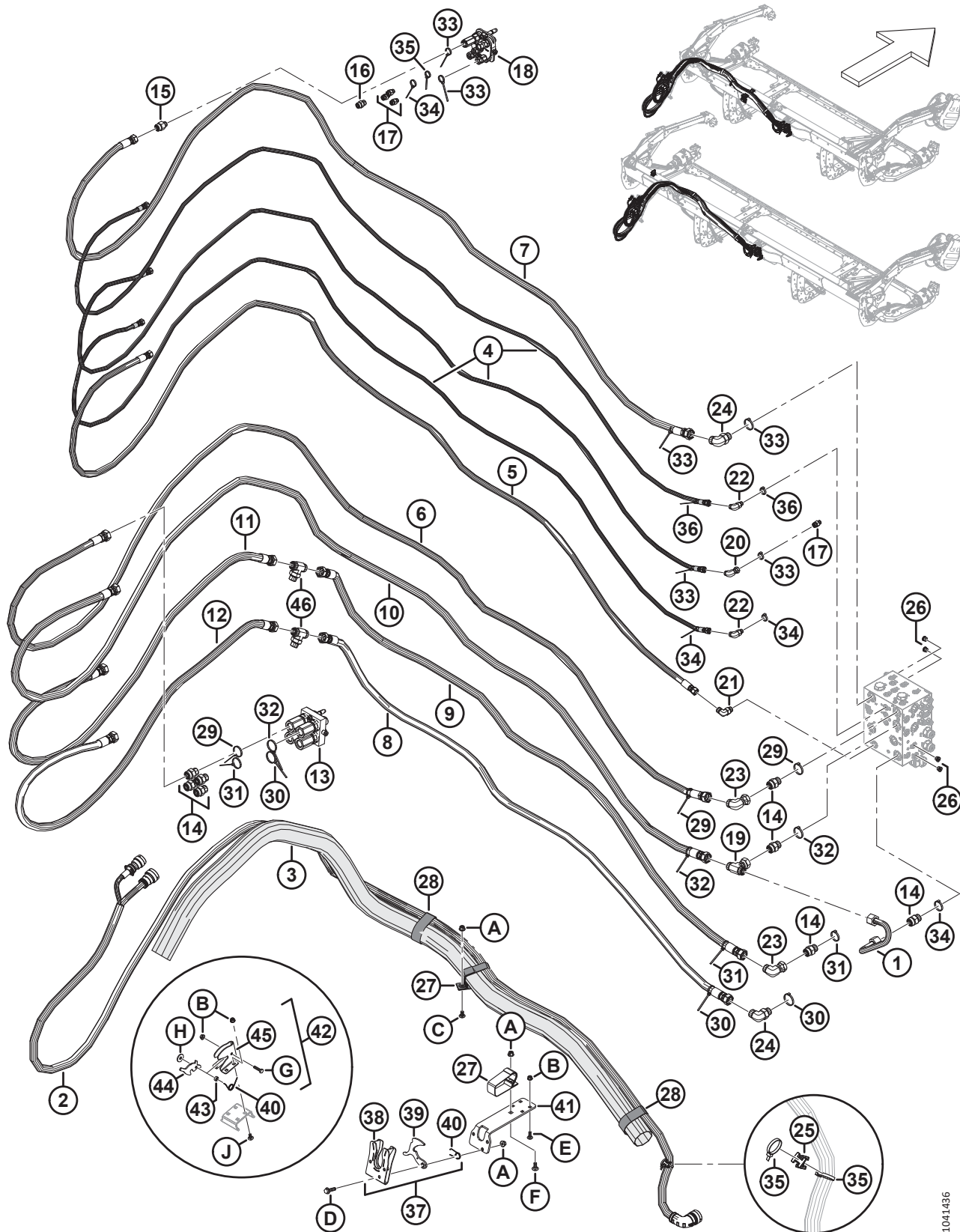
Ref	Part Number	Description	Qty	Serial Number
1	323762	CHANNEL – WELDMENT REAR	1	
2	253644	JOINT – BALL	1	
3	253607	TUBE – SPACER	1	
4	243900	PLATE – SPACER	2	
5	243831	CHANNEL – WELDMENT FRONT	1	
6	243830	ASSY – PIVOT WITH BUSHINGS ³³⁴	1	
7	243661	BUSHING – PLASTIC	2	
8	243826	CYLINDER – GAS SPRING EXT 1400 N	3	
9	243711	TUBE – SPACER	2	
10	243604	CAP – HARNESS	1	
11	243840	VALVE – DRAPER KNIFE RELIEF	1	
12	135887	FITTING – BRANCH TEE HYD	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
13	135444	CINCH STRAP – 6 IN. LG	12	
14	135714	CLAMP – INSULATED 1 1/8 IN.	1	
15	323907	MOUNT – HOSE SUPPORT WELDT	1	
16	253645	SLEEVE – HOSES (1168 MM LG) ³³⁵	1	
17	253646	SLEEVE – HOSES (1105 MM LG) ³³⁶	1	
18	30753	FASTENER – CABLE TIE, BLACK	2	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	136759	NUT – HEX CTR LOCM12 X 1.75-8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136112	BOLT – RHSSN M12 X 1.75 X 65-8.8-AA1J		
E	135852	SCREW – HEX SOC BTN HD M10 X 1.5 X 25-10.9-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	134603	WASHER – LOCK, HD30, SIZE 18		
K	134602	NUT – PANEL, HD30, SIZE 18		
L	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
M	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
N	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
P	197225	BOLT – RHSN M5 X 0.8 X 20-4.6-AA1J		
Q	136635	NUT – HEX FLG CTR LOC M5 X 0.8-8-AA1J		
R	293054	WASHER – FLAT LARGE		

334. Pivot assembly includes two bushings (MD #243661).

335. 1168 mm long.

336. 1105 mm long.

106 Windrower Completion – M1/M2 Series Hydraulics and Electrical, Hoses and Latch (D215 and D220)



1041436

WINDROWER COMPLETION – M1/M2 SERIES HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
1	323884	LINE – HYD, DRAPER RETURN	1	
2	323906	HARNESS – ADAPTER, D215/20- M1	1	
3	378506	SLEEVE – HOSES	1	
4	323512	HOSE – HYD, REEL LIFT FORE/AFT	3	
5	323511	HOSE – HYD, CASE DRAIN	1	
6	323510	HOSE – HYD, REEL PRESSURE	1	
7	323509	HOSE – HYD, DRAPER PRESSURE	1	
8	323508	HOSE – HYD, KNIFE PRESSURE A	1	
9	323507	HOSE – HYD, KNIFE RETURN A	1	
10	323506	HOSE – HYD, REEL RETURN	1	
11	233642	HOSE – HYD, KNIFE RETURN B	1	
12	233640	HOSE – HYD, KNIFE PRESSURE B	1	
13	243542	COUPLER – MULTI MOBILE ³³⁷	1	
	135479	SEAL KIT	1	
	208172	KIT – CARTRIDGE	4	
	111984	KIT – DOWEL	1	
	208288	KIT – SCREW	1	
14	135788	FITTING – ADAPTER ³³⁸	8	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
15	135781	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135867	O-RING – 1.78 X 15.60		
16	135780	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
17	135778	FITTING – ADAPTER ³³⁹	4	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
18	135238	COUPLING – MULTI LINK ³⁴⁰	1	
	111981	SEAL KIT – 1/4 IN. COUPLER	1	
	111982	SEAL KIT – 3/8 IN. COUPLER	1	
	111983	KIT – SCREW	2	
	111984	KIT – DOWEL	2	
	111985	COUPLER – 3/8 IN.	1	
	111986	COUPLER – 1/4 IN.	3	
	294350	COUPLER – 3/8 IN.	1	

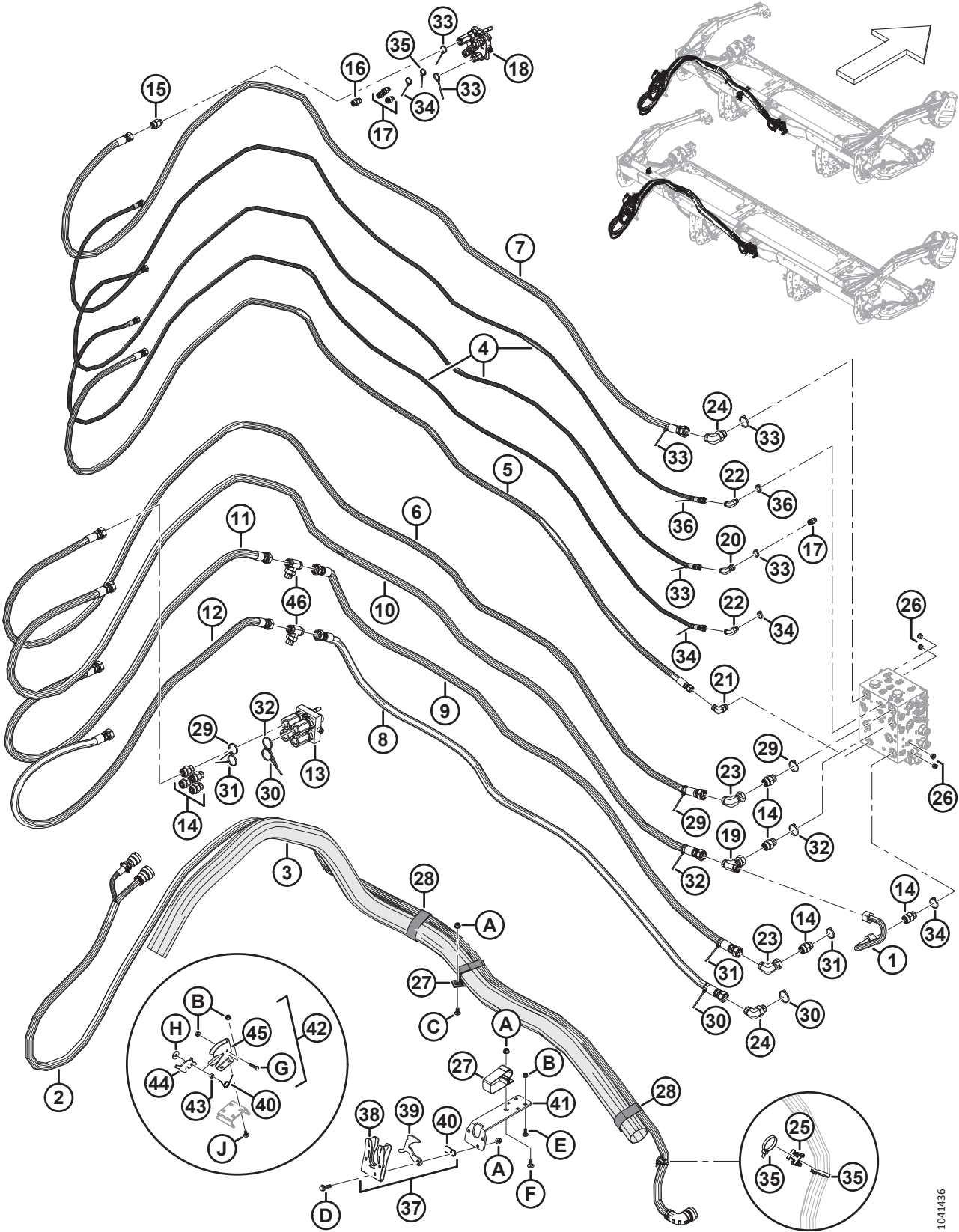
337. The multicoupler includes one seal kit (MD #135479), four cartridge kits (MD #208170), one dowel kit (MD #111987), and one screw kit (MD #208288).

338. Four of these fittings connect to ports RP, RR, KR, and DR on the manifold.

339. One of these fittings connects to port RF on the manifold.

340. The multicoupler includes one 1/4 inch coupler seal kit (MD #111981), one 3/8 inch coupler seal kit (MD #111982), two screw kits (MD #111983), two dowel kits (MD #111984), one 3/8 inch coupler (MD #111985), three 1/4 inch couplers (MD #111986), and one 3/8 inch coupler (MD #294350).

WINDROWER COMPLETION – M1/M2 SERIES HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D215 AND D220)



1041436

WINDROWER COMPLETION – M1/M2 SERIES HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
19	136256	FITTING – TEE HYD	1	
	135868	O-RING – 1.78 X 18.77		
20	136249	FITTING – ELBOW 90° HYD	1	
	135865	O-RING – 1.78 X 9.25		
21	136220	FITTING – ELBOW 90° HYD ³⁴¹	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
22	136095	FITTING – ELBOW 90° HYD ³⁴²	2	
	135865	O-RING – 1.78 X 9.25		
	50219	O-RING – 1.98 X 11.89		
23	135888	FITTING – ELBOW 90° HYD	2	
	135868	O-RING – 1.78 X 18.77		
24	135821	FITTING – ELBOW 90° HYD ³⁴³	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
25	134442	SPACER – DUAL SWIVEL SADDLE	1	
26	100577	FITTING – PLUG HYD 6 ORB HEX SOC ³⁴⁴	4	
	50219	O-RING – 1.98 X 11.89		
27	300539	CINCH STRAP – HANGING 12 IN. LG	2	
28	295929	CINCH STRAP – 12 IN. LG	2	
29	49232	FASTENER – CABLE TIE, WHITE	3	
30	40704	FASTENER – CABLE TIE, ORANGE	3	
31	40703	FASTENER – CABLE TIE, BLUE	3	
32	40701	FASTENER – CABLE TIE, YELLOW	3	
33	49227	FASTENER – CABLE TIE, GREEN	6	
34	40702	FASTENER – CABLE TIE, RED	4	
35	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	3	
36	30753	FASTENER – CABLE TIE, BLACK, 305 MM LG	2	
37	253905	ASSY – LATCH ³⁴⁵	1	
38	243995	BRACKET – WELDMENT ³⁴⁶	1	
39	253635	HOOK – WELDMENT ³⁴⁶	1	
40	144505	SPRING – TORSION	2	
41	323862	BRACKET – LATCH EXTENSION ³⁴⁶	1	
42	243985	ASSEMBLY – LATCH ³⁴⁷	1	
43	243986	TUBE – SPACER ³⁴⁸	1	

341. This fitting connects to port CD on the manifold.

342. These fittings connect to ports RL and RA on the manifold.

343. These fittings connect to ports DP and KP on the manifold.

344. These fittings connect to ports CWUP, CWDN, LCW, and RCW on the manifold.

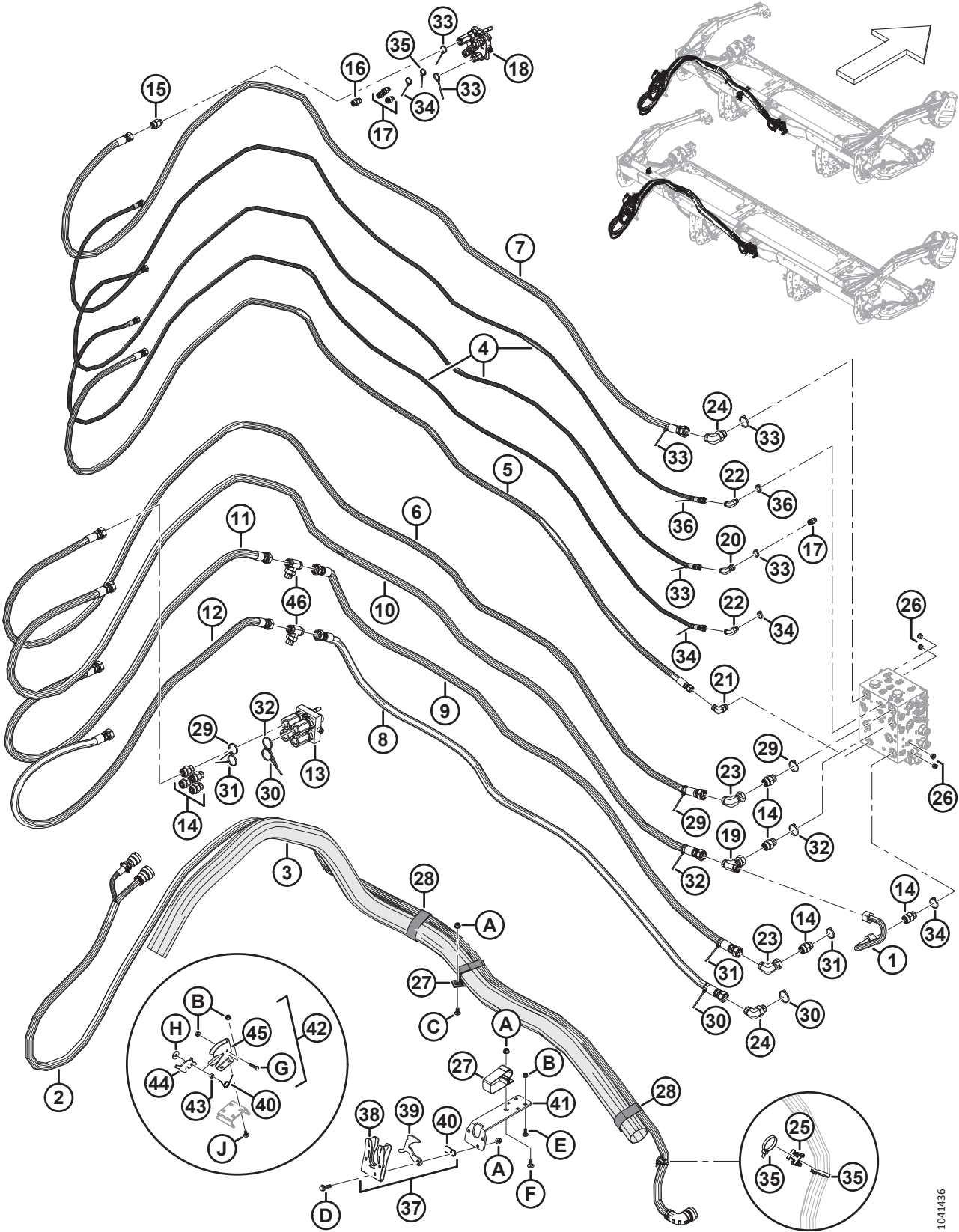
345. Used for D215 headers only. The latch assembly includes bracket (MD #243995), hook (MD #253635), torsion spring (MD #144505), one bolt (MD #152947) and one nut (MD #135799).

346. Used for D215 headers only.

347. Used for D220 headers only. The latch assembly includes bracket (MD #243983), latch link (MD #243984), torsion spring (MD #144505), spacer (MD #243986), one bolt (MD #184654), one washer (MD #118029), and one nut (MD #135337).

348. Used for D220 headers only.

WINDROWER COMPLETION – M1/M2 SERIES HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D215 AND D220)



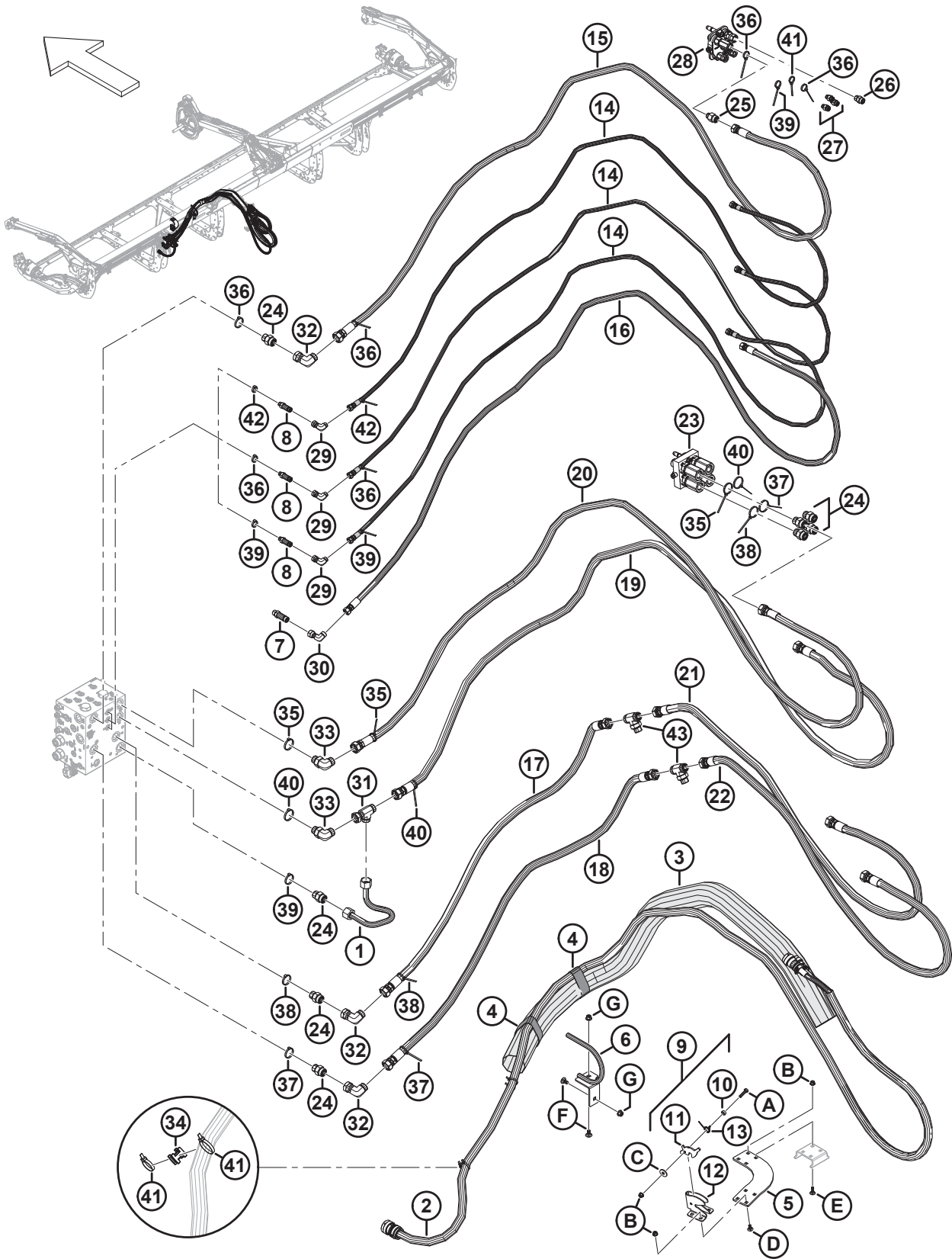
1041436

WINDROWER COMPLETION – M1/M2 SERIES HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
44	243984	LINK – LATCH ³⁴⁸	1	
45	243983	BRACKET – LATCH ³⁴⁸	1	
46	REF	FITTING – BRANCH TEE HYD ³⁴⁹	2	
A	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
D	152947	BOLT – HEX FLG HD TFL M10 X 1.5 X 40-10.9-AA1J		
E	184648	BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J		
F	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
G	184654	BOLT – HEX HD M8 X 1.25 X 35-8.8-AA1J		
H	118029	WASHER – FLAT		
J	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		

349. For service parts, refer to Section *105 Windrower Completion – M1/M2 Series Hydraulics, Hose Support Arm and Mount, page 237*.

107 Windrower Completion – Hydraulics and Electrical, Hoses and Latch (D225, D230, D235, and D241)



1041461

WINDROWER COMPLETION – HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
1	141783	LINE – HYDRAULIC	1	
2	283744	HARNESS – ADAPTER, D2-M1	1	
3	233588	SLEEVE – HOSES	1	
4	295929	CINCH STRAP – 12 IN. LG	2	
5	323765	BRACKET – LATCH MOUNT	1	
6	310702	SUPPORT – HOOK WELDT	1	
7	320474	FITTING – HYD CONNECTOR, LONG ³⁵⁰	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
8	252902	FITTING – HYD CONNECTOR, LONG ³⁵¹	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
9	243985	ASSEMBLY – LATCH ³⁵²	1	
10	243986	TUBE – SPACER	1	
11	243984	LINK – LATCH	1	
12	243983	BRACKET – LATCH	1	
13	144505	SPRING – TORSION	1	
14	323887	HOSE – HYD, LIFT AND FORE-AFT	3	
15	323885	HOSE – HYD, DRAPER PRESSURE	1	
16	323883	HOSE – HYD, CASE DRAIN	1	
17	323881	HOSE – HYD, KNIFE RETURN A	1	
18	323879	HOSE – HYD, KNIFE PRESSURE A	1	
19	233646	HOSE – HYD, REEL RETURN	1	
20	233644	HOSE – HYD, REEL PRESSURE	1	
21	233642	HOSE – HYD, KNIFE RETURN B	1	
22	233640	HOSE – HYD, KNIFE PRESSURE B	1	
23	243542	COUPLER – MULTI MOBILE ³⁵³	1	
	135479	SEAL KIT	1	
	208172	KIT – CARTRIDGE	4	
	111984	KIT – DOWEL	1	
	208288	KIT – SCREW	1	
24	135788	FITTING – ADAPTER ³⁵⁴	8	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		

350. This fitting connects to port CD on the manifold.

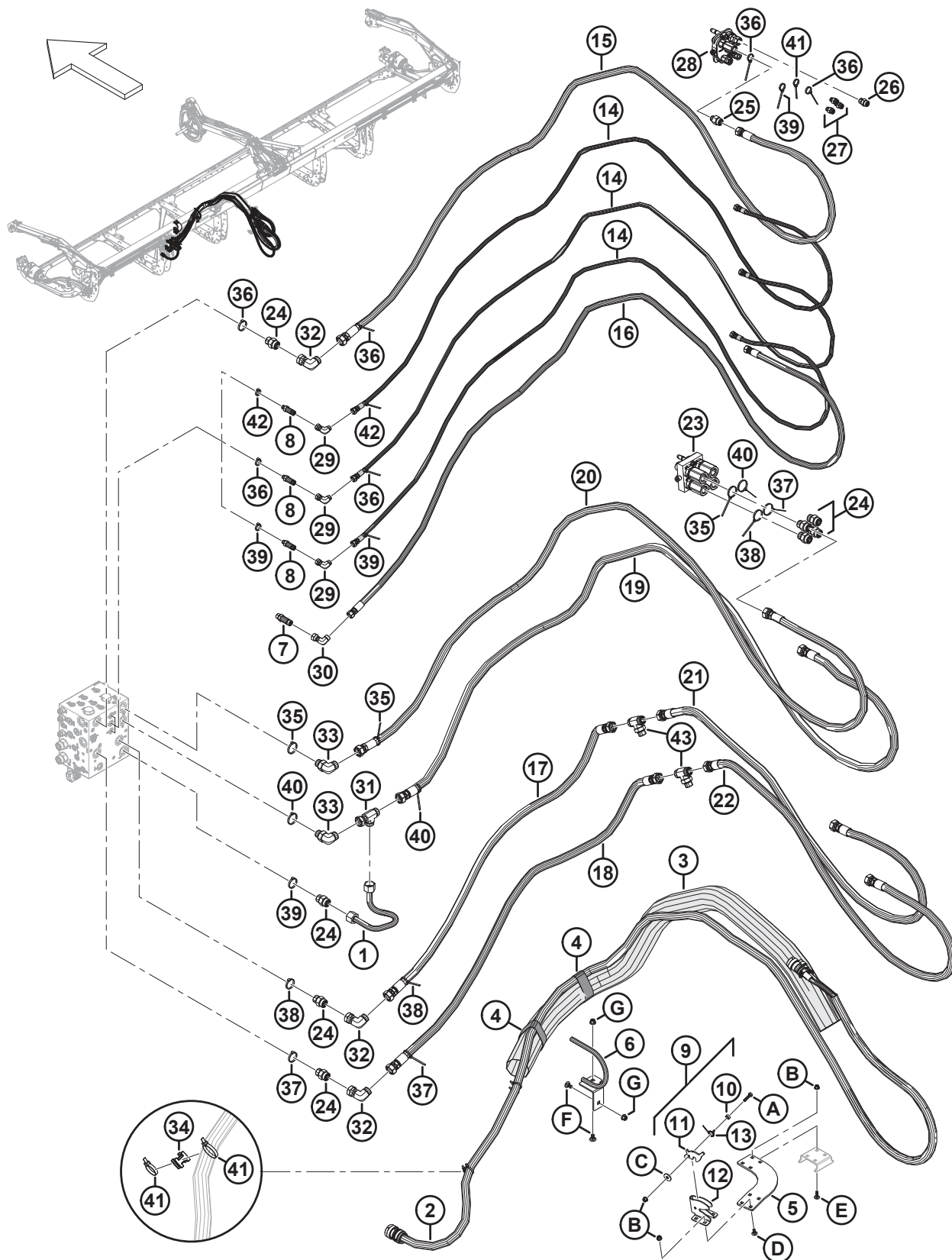
351. These fittings connect to ports RL, RF, and RA on the manifold.

352. Used for D225–D241 headers. The latch assembly includes bracket (MD #243983), latch link (MD #243984), torsion spring (MD #144505), spacer (MD #243986), one bolt (MD #184654), one washer (MD #118029), and one nut (MD #135337).

353. The multicoupler includes one seal kit (MD #135479), four cartridge kits (MD #208172), one dowel kit (MD #111984), and one screw kit (MD #208288).

354. Three of these fittings connect to ports DP, KP, and KR on the manifold; one other fitting connects to port DR on the manifold.

WINDROWER COMPLETION – HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D225, D230, D235, AND D241)



1041461

WINDROWER COMPLETION – HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
25	135781	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135867	O-RING – 1.78 X 15.60		
26	135780	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
27	135778	FITTING – ADAPTER	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
28	135238	COUPLING – MULTI LINK ³⁵⁵	1	
	111981	SEAL KIT – 1/4 IN. COUPLER	1	
	111982	SEAL KIT – 3/8 IN. COUPLER	1	
	111983	KIT – SCREW	2	
	111984	KIT – DOWEL	2	
	111985	COUPLER – 3/8 IN.	1	
	111986	COUPLER – 1/4 IN.	3	
	294350	COUPLER – 3/8 IN.	1	
29	136249	FITTING – ELBOW 90° HYD	3	
	135865	O-RING – 1.78 X 9.25		
30	136034	FITTING – ELBOW 90° HYD	1	
	135866	O-RING – 1.78 X 12.42		
31	135985	FITTING – TEE HYD	1	
	135868	O-RING – 1.78 X 18.77		
32	135888	FITTING – ELBOW 90° HYD ³⁵⁶	3	
	135868	O-RING – 1.78 X 18.77		
33	135821	FITTING – ELBOW 90° HYD ³⁵⁷	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
34	134442	SPACER – DUAL SWIVEL SADDLE	2	
35	49232	FASTENER – CABLE TIE, WHITE	3	
36	49227	FASTENER – CABLE TIE, GREEN	6	
37	40704	FASTENER – CABLE TIE, ORANGE	3	
38	40703	FASTENER – CABLE TIE, BLUE	3	
39	40702	FASTENER – CABLE TIE, RED	4	
40	40701	FASTENER – CABLE TIE, YELLOW	3	
41	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	5	
42	30753	FASTENER – CABLE TIE, BLACK, 305 MM LG	2	
43	REF	FITTING – BRANCH TEE HYD ³⁵⁸	2	

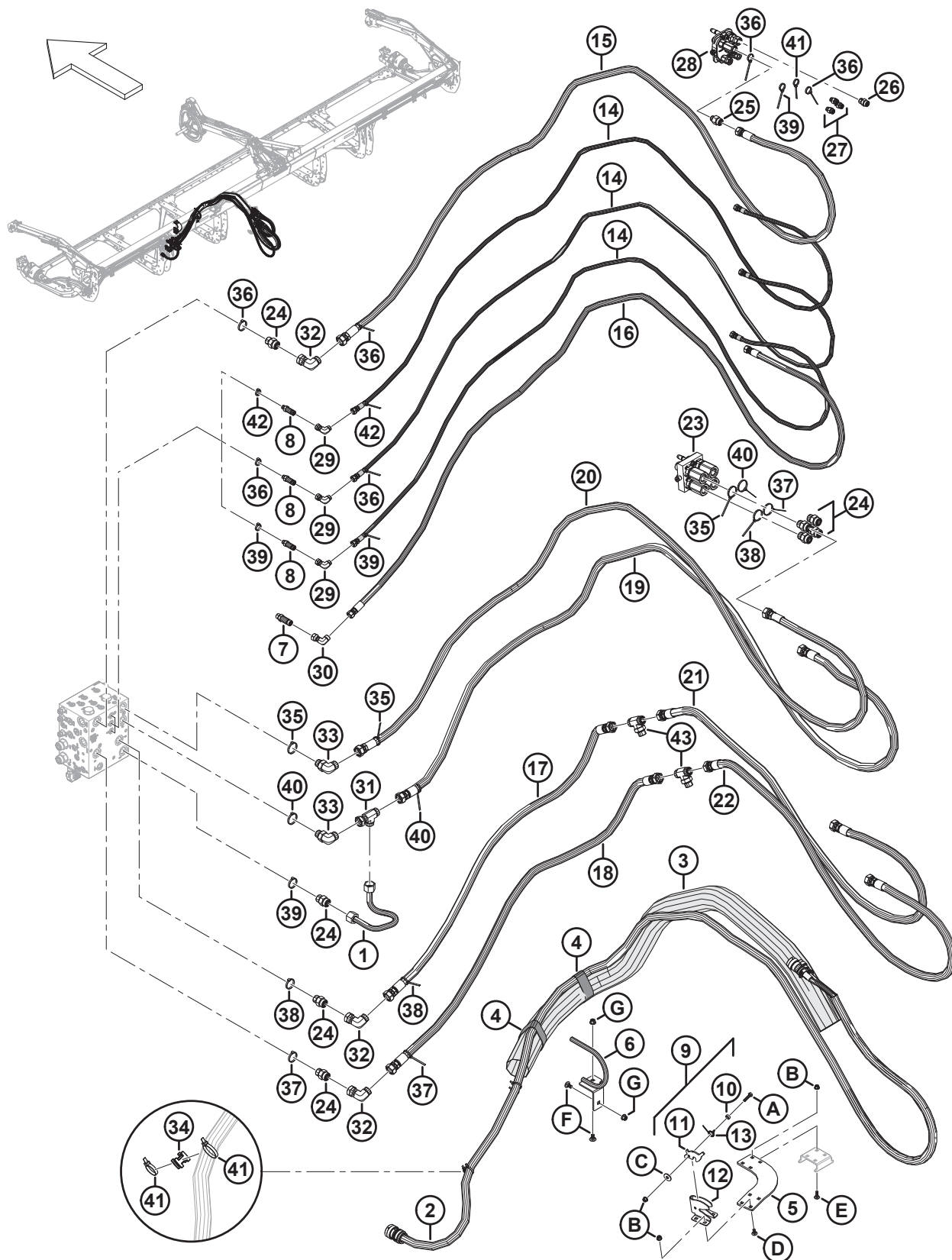
355. The multicoupler includes one 1/4 inch coupler seal kit (MD #111981), one 3/8 inch coupler seal kit (MD #111982), two screw kits (MD #111983), two dowel kits (MD #111984), one 3/8 inch coupler (MD #111985), three 1/4 inch couplers (MD #111986), and one 3/8 inch coupler (MD #294350).

356. These fittings connect to three adapter fittings (MD #135788), which connect to ports DP, KP, and KR.

357. These fittings connect to ports RP and RR on the manifold.

358. For service parts, refer to Section [105 Windrower Completion – M1/M2 Series Hydraulics, Hose Support Arm and Mount, page 237](#).

WINDROWER COMPLETION – HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D225, D230, D235, AND D241)

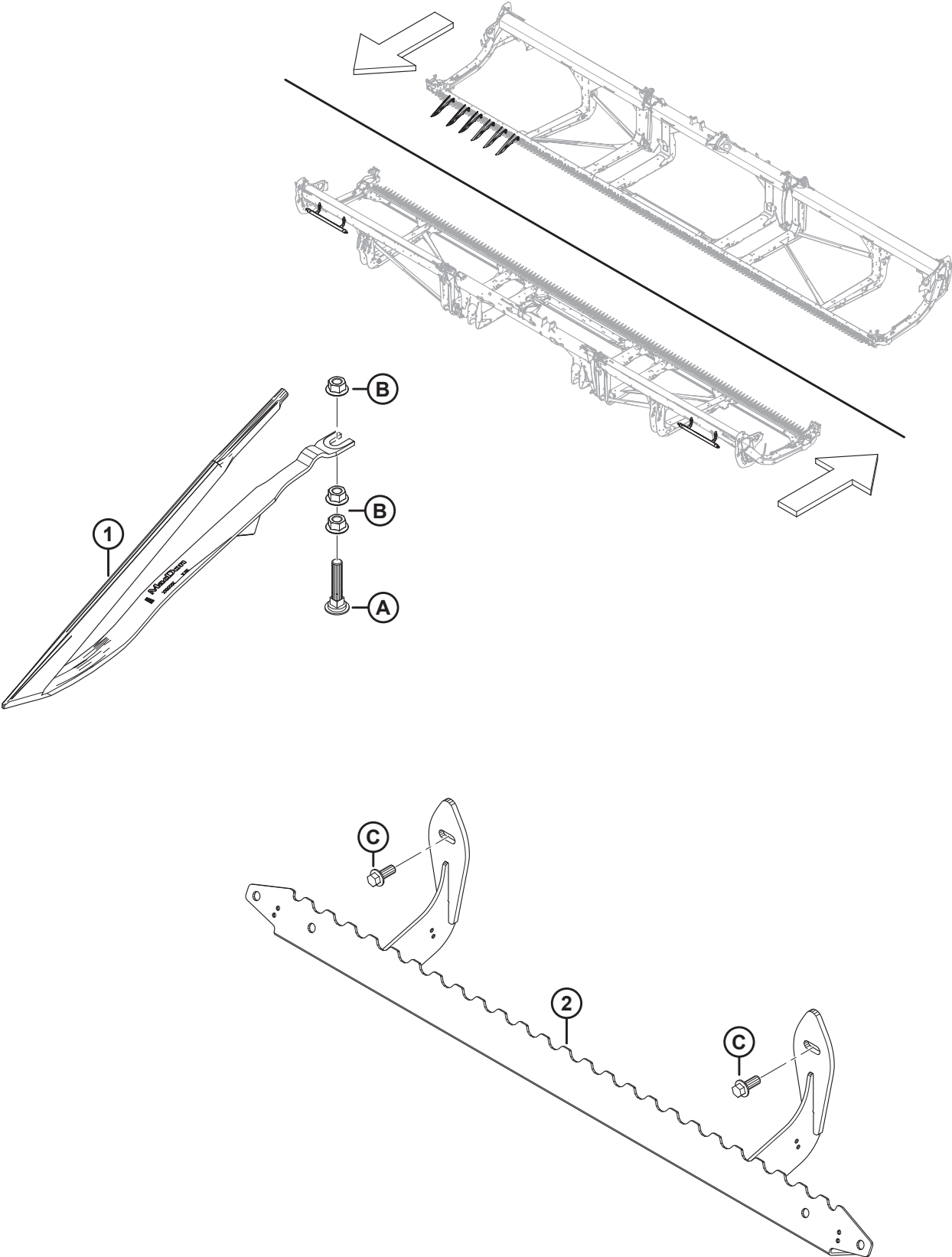


1041461

WINDROWER COMPLETION – HYDRAULICS AND ELECTRICAL, HOSES AND LATCH (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
A	184654	BOLT – HEX HD M8 X 1.25 X 35-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	118029	WASHER – FLAT		
D	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
E	184648	BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J		
F	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

108 (Option) Crop Lifters and Storage Rack



1032922

(OPTION) CROP LIFTERS AND STORAGE RACK

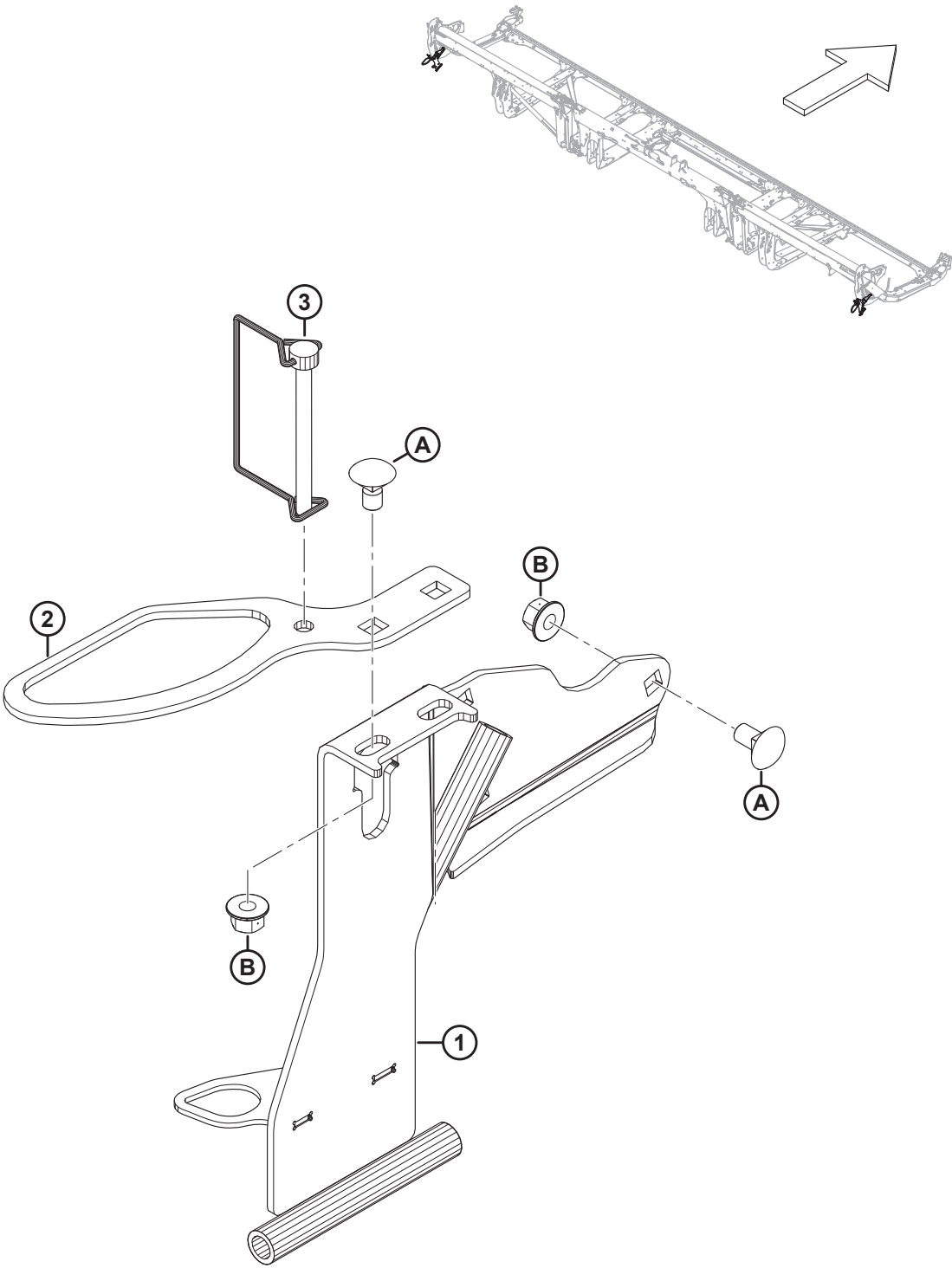
NOTE:

The Lifter Storage Rack kit is **NOT** compatible with D215 and D220 headers.

Ref	Part Number	Description	Qty	Serial Number
	B7022	KIT – CROP LIFTER ³⁵⁹		
	B7023	KIT – LIFTER STORAGE RACK ³⁶⁰		
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		

-
359. 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: D215 and D220 = 2 kits; D225 and D230 = 3 kits; D235 and D241 = 4 kits. Kits are available through Whole Goods only.
360. Quantities of Lifter Storage Rack kits required varies depending on header size. D225 = 1 kit; D230, D235, and D241 = 2 kits. Kits are available through Whole Goods only.

109 (Option) Divider Storage Bracket

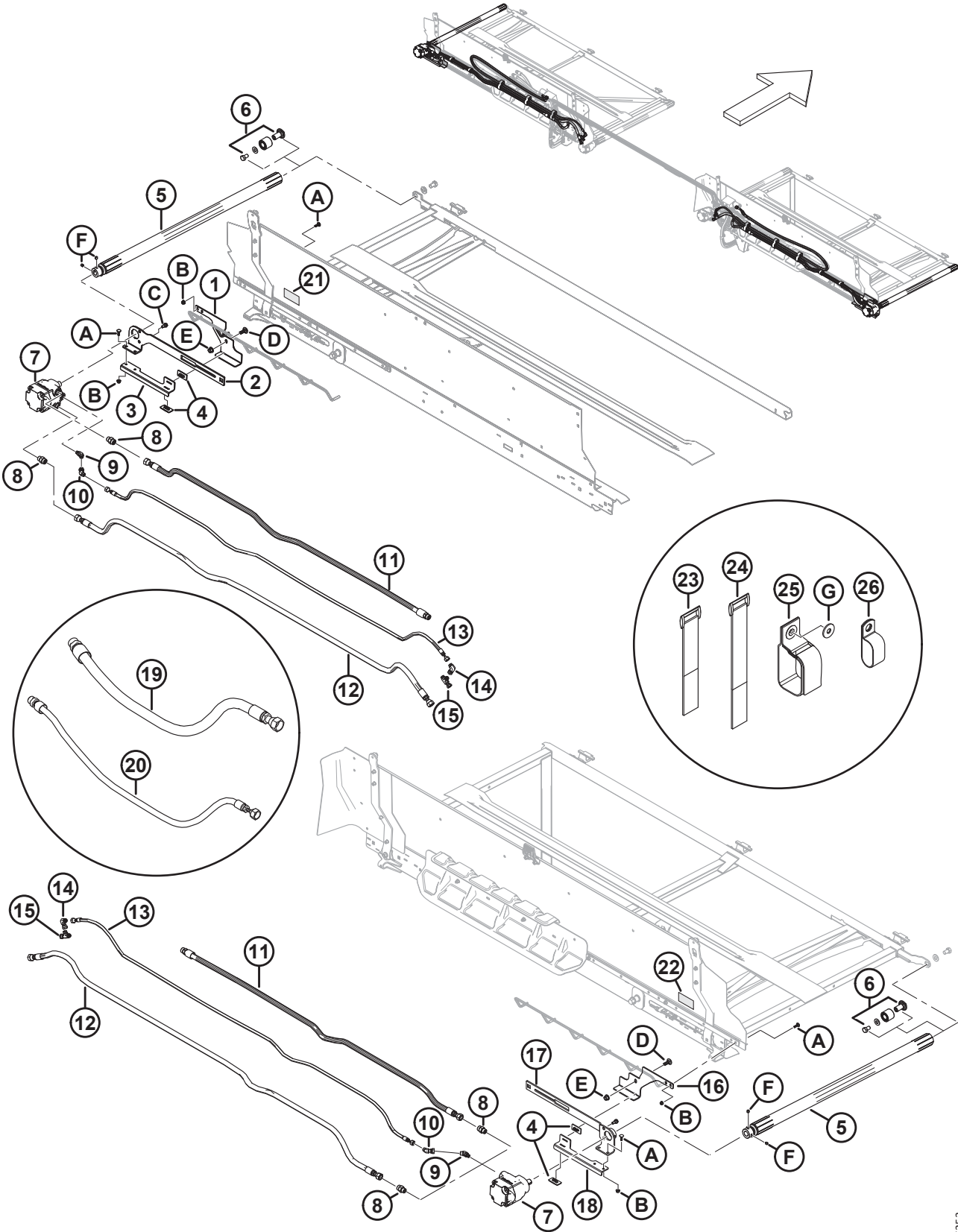


(OPTION) DIVIDER STORAGE BRACKET

Ref	Part Number	Description	Qty	Serial Number
	B7030	KIT – DIVIDER STORAGE BRACKET ³⁶¹		
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		

361. Kits are available through Whole Goods only.

110 (Option) Double Draper Drive



(OPTION) DOUBLE DRAPER DRIVE

NOTE:

D225 shown.

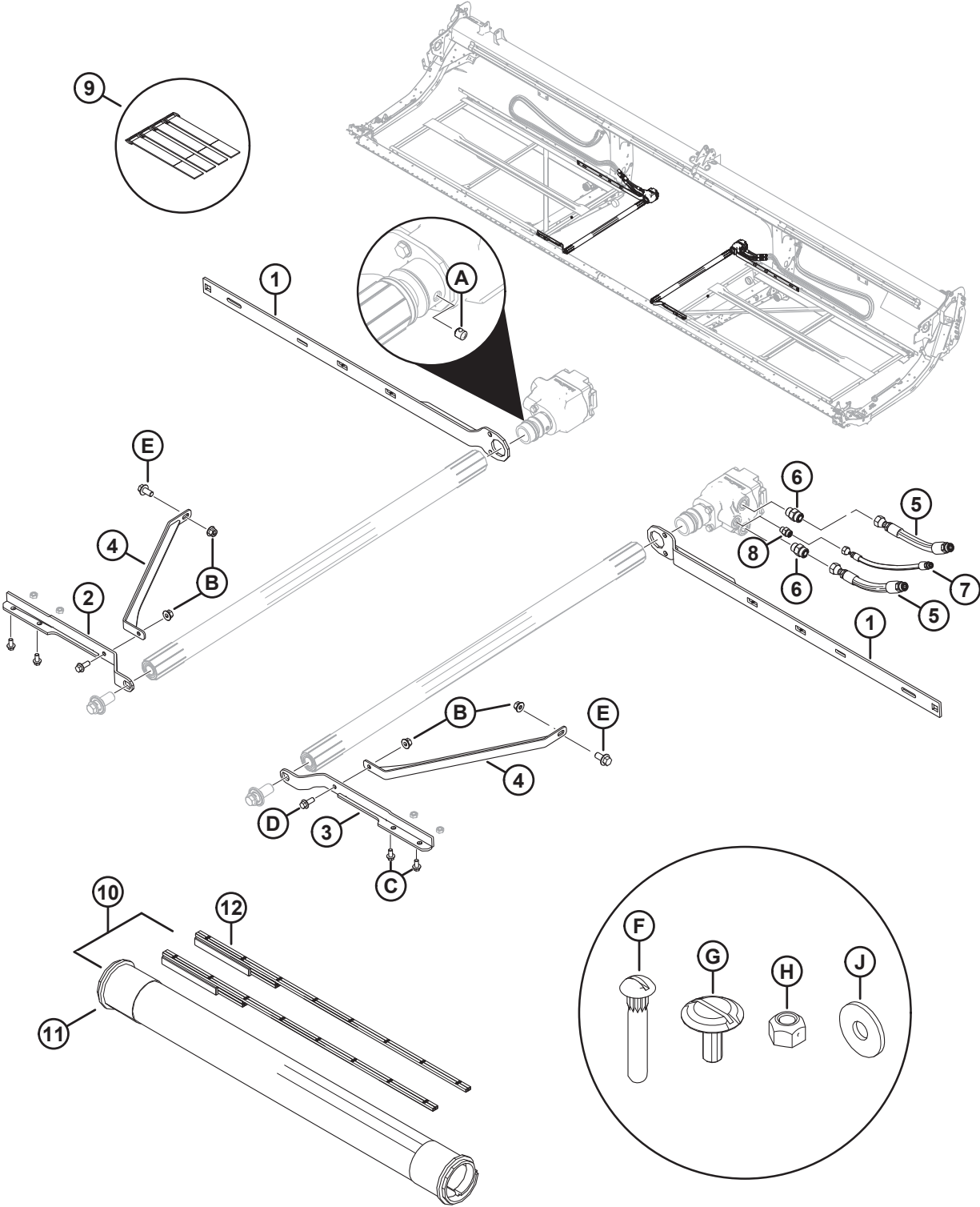
Ref	Part Number	Description	Qty	Serial Number
	B7268	KIT – DOUBLE DRAPER DRIVE		
1	319861	SUPPORT – LH DDD	1	
2	319810	ARM – LH DDD MOTOR	1	
3	319808	BRACKET – LH SLIDER SUPPORT	1	
4	273777	PAD – REEL DRIVE WEAR	4	
5	319676	ASSEMBLY – RIBBED DRIVE ROLLER ³⁶²	2	
6	165735	PIN – DRAPER ROLLER ³⁶³	2	
7	275860	MOTOR – HYD GEAR DRAPER DRIVE	2	
8	184461	FITTING – ADAPTER HYD	4	
9	136144	FITTING – ELBOW 45° HYD	2	
10	136155	FITTING – ELBOW 45° HYD	2	
11	366202	HOSE – HYDRAULIC, 5/8 IN. I.D., 2050 MM LONG, 100R17	2	
12	366203	HOSE – HYDRAULIC, 5/8 IN. I.D., 2580 MM LONG, 100R17	2	
13	366204	HOSE – HYDRAULIC, 1/4 IN. I.D., 2500 MM LONG, 100R17	2	
14	136249	FITTING – ELBOW 90° HYD	2	
15	136097	FITTING – TEE HYD	2	
16	319860	SUPPORT – RH DDD	1	
17	319809	ARM – RH DDD MOTOR	1	
18	319807	BRACKET – RH SLIDER SUPPORT	1	
19	366205	HOSE – HYDRAULIC, 5/8 IN. I.D., 750 MM LONG, 100R17 ³⁶⁴	8	
20	366206	HOSE – HYDRAULIC, 1/4 IN. I.D., 800 MM LONG, 100R17 ³⁶⁴	4	
21	220084	DECAL – LH DRAPER TENSION	1	
22	279528	DECAL – RH DRAPER TENSION	1	
23	135443	CINCH STRAP (4 IN. LONG)	12	
24	135444	CINCH STRAP (6 IN. LONG)	10	
25	163598	CINCH STRAP, HANGING, (6 IN. LONG)	2	
26	50022	CLAMP – INSULATED 15/16 IN.	6	
A	184648	BOLT – RHSN M 8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	172259	BOLT – SHOULDER 0.375-16UNC-AA1J		
D	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
E	136431	NUT – HEX FLG CTR LOC M12X1.75-10		
F	320182	SCREW – SET SOC M10 X 1.5 X 10-8.8-BO		
G	184709	WASHER – FLAT LARGE M8-200HV		

362. Roller assembly (MD #319676) contains two set screws (MD #320182), one ribbed drive roller (NSS), one pin assembly (MD #165735), and one seal (MD #120845).

363. Pin assembly (MD #165735) contains one bolt (MD #145249), one washer (MD #30441), one bearing (MD #332784), and one pin (NSS).

364. Used on D230 and D235 headers only.

111 (Option) Draper Extension Kit



1045249

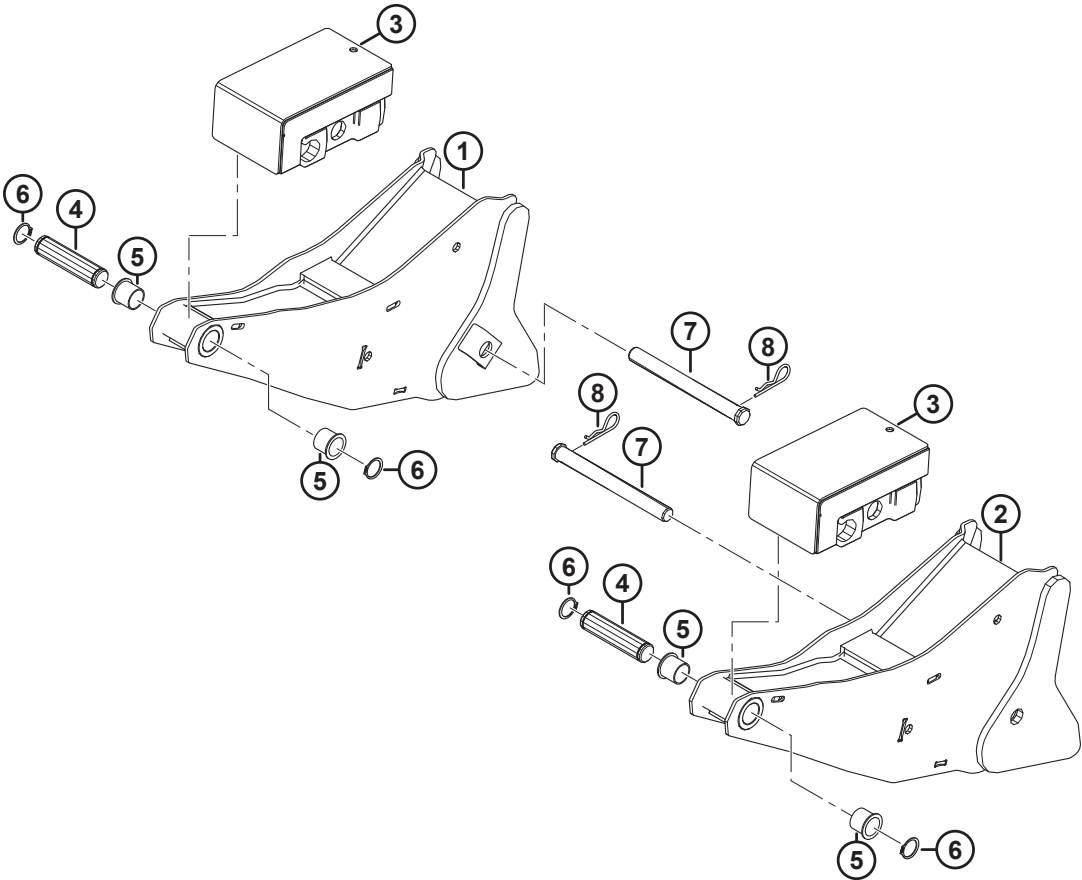
(OPTION) DRAPER EXTENSION KIT

Ref	Part Number	Description	Qty	Serial Number
	B7267	KIT – DRAPER EXTENSION		
1	319771	WELDT – EXTENSION ARM	2	
2	319785	WELDT – LH EXTENSION ARM FRONT	1	
3	319784	WELDT – RH EXTENSION ARM FRONT	1	
4	319770	WELDT – DRAPER EXTEN BRACE	2	
5	366132	HOSE – HYDRAULIC (5/8 IN.)	4	
6	184461	FITTING – ADAPTER HYD. (10 ORFS)	4	
7	366133	HOSE – HYDRAULIC (1/4 IN.)	2	
8	135778	FITTING – ADAPTER HYD. (6 ORFS)	2	
9	135444	CINCH STRAP, 6 IN. LONG	4	
10	319105	KIT – DRAPER REPAIR 50 IN. ³⁶⁵	2	
11	NSS	DRAPER – REPAIR 50 IN. X 500 MM.	2	
12	319095	KIT – DRAPER CONNECTOR 50 IN. ³⁶⁶	4	
A	320182	SCREW – SET SOC M10 X 1.5 X 10-8.8-BO		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5 - 10		
C	152670	BOLT – HEX FLG HD M10 X 1.5 X 20-SPCL-8.8-AA1J		
D	136312	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	320240	SCREW – BTN HD RIB NK M6 X 1.0 X 16-SPCL-10.9-ZINC		
G	320148	SCREW – TRUSS SLT HD M6 X 1.0 X 16-8.8-ZINC		
H	226259	NUT – CTR LOC CSK SPCL M6 X 1-8-ZINC		
J	184706	WASHER – FLAT LARGE M6-200HV		

365. Draper repair kit (MD #319105) contains draper extension (NSS) and two draper connector kits (MD #319095).

366. Draper connector kit (MD #319095) contains one bridge connector (MD #319662), two center connector bars (MD #319325), four connector hems (MD #319324), 14 button head screws (MD #320240), two truss screws (MD #320148), 16 hex nuts (MD #226259), and two flat washers (MD #184706).

112 (Option) Draper Header Supports for Windrowers

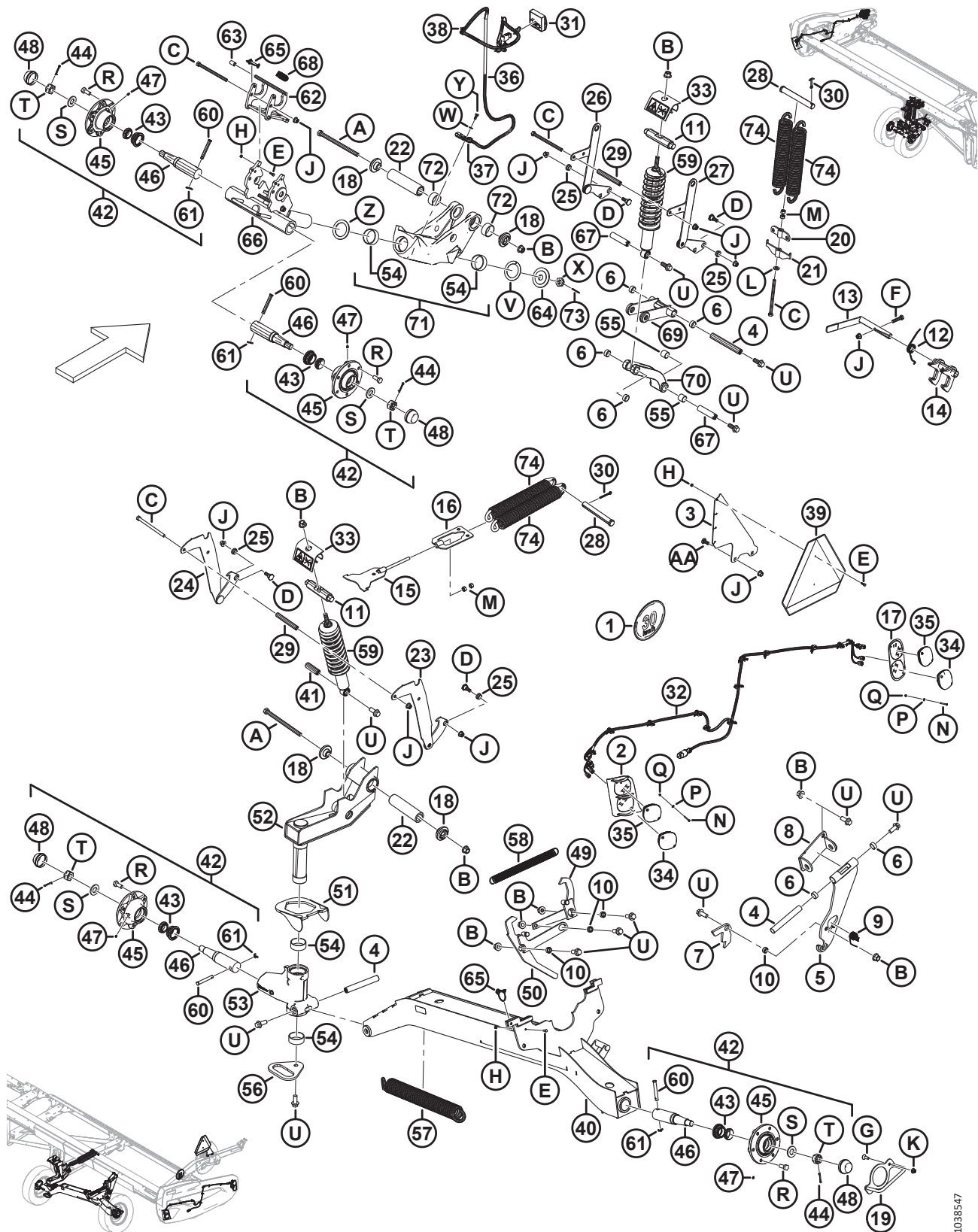


1045243

(OPTION) DRAPER HEADER SUPPORTS FOR WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
1	362715	SUPPORT – WELDT D2 HDR, LHS PIN	1	
2	362721	SUPPORT – WELDT D2 HDR, RHS PIN	1	
3	258703	ASSY – RUBBER BLOCK FLEX	2	
4	258318	PIN – PIVOT	2	
5	206966	BUSHING – PLASTIC, FLNG, 1 INCH BORE	4	
6	18898	RING – EXT RETAINING	4	
7	135408	PIN – CLEVIS	2	
8	13125	PIN – HAIR	2	

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



1038547

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – BASE KIT AND STABILIZER WHEELS

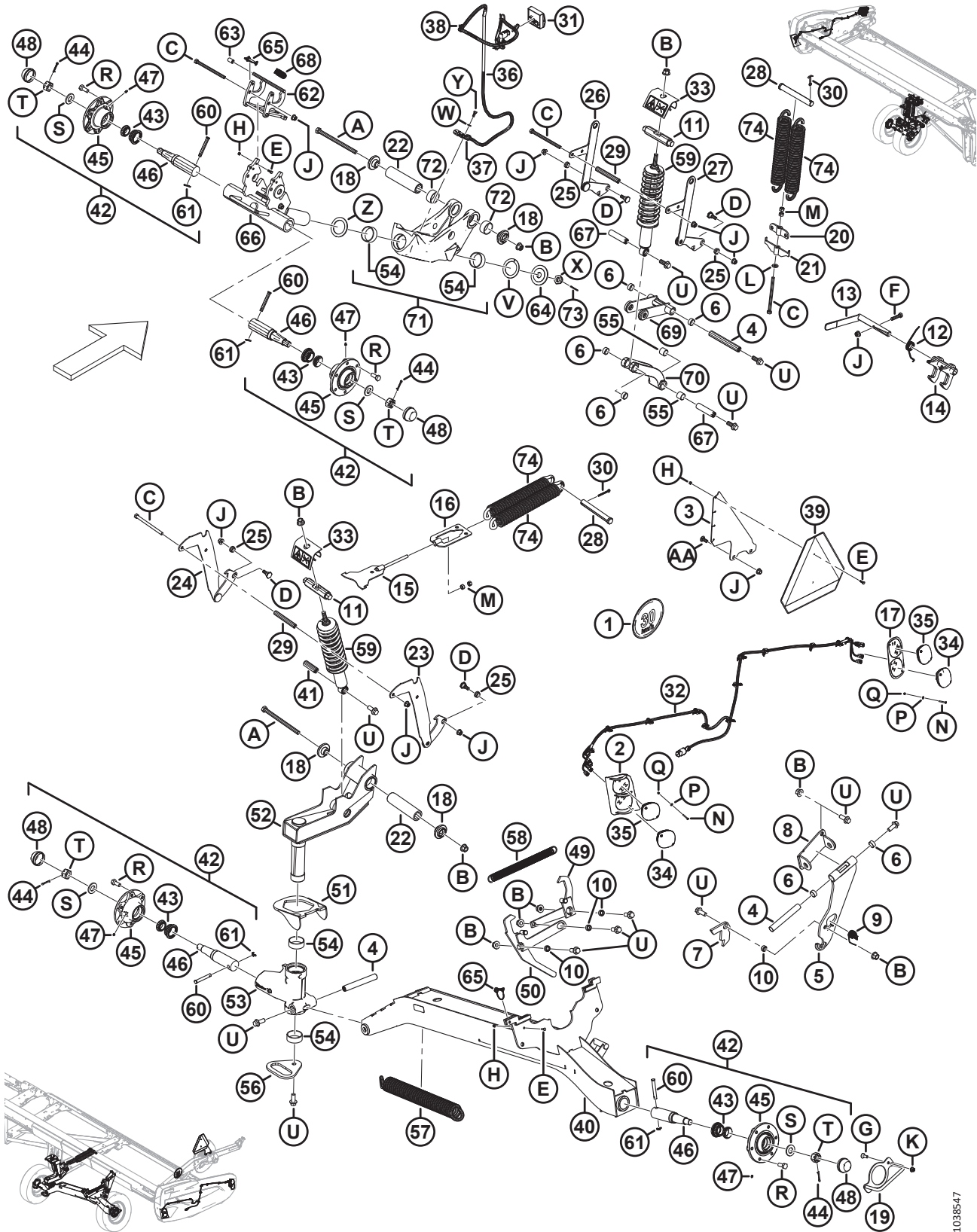
Ref	Part Number	Description	Qty	Serial Number
	B6288	EASYMOVE™ SLOW SPEED TRANSPORT – STABILIZER WHEELS AND BASE KIT ³⁶⁷		
1	327561	KIT – DECALS, SIS BRACKET	1	
	193243	DECAL – SIS 30 KM/H, SMALL	1	
	193241	DECAL – SIS, 30 KM/H	1	
	193240	DECAL – SIS 20 MILE/H, SMALL	1	
	193242	DECAL – SIS 20 MILE/H	1	
2	327429	LIGHT BEZEL – WELDT, LH ³⁶⁸	1	
	327179	LIGHT BEZEL – WELDT, RH ³⁶⁸	1	
3	327428	LUG	1	
4	316794	PIN	3	
5	316358	SUPPORT – ASSY ³⁶⁹	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 ³⁶⁸	1	
	313425	BEZEL – RH FRONT ³⁶⁸	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	

367. Kits are available through Whole Goods only.

368. The bezels are mounted onto the header endshields with pan head screw (MD #320154), flat washer (MD #18798), and Nyloc hex nut (MD #197320).

369. The support assembly includes one support (NSS) and two composite bushings (MD #210690).

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – BASE KIT AND STABILIZER WHEELS



1038547

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – BASE KIT AND STABILIZER WHEELS

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 ³⁷⁰	4	
43	316851	KIT – WHEEL BEARING ³⁷¹	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 ³⁷²	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 ³⁷³	2	
60	101007	PIN – CLEVIS	4	
61	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
62	327535	LATCH – ASSY ³⁷⁴	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	

370. 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).

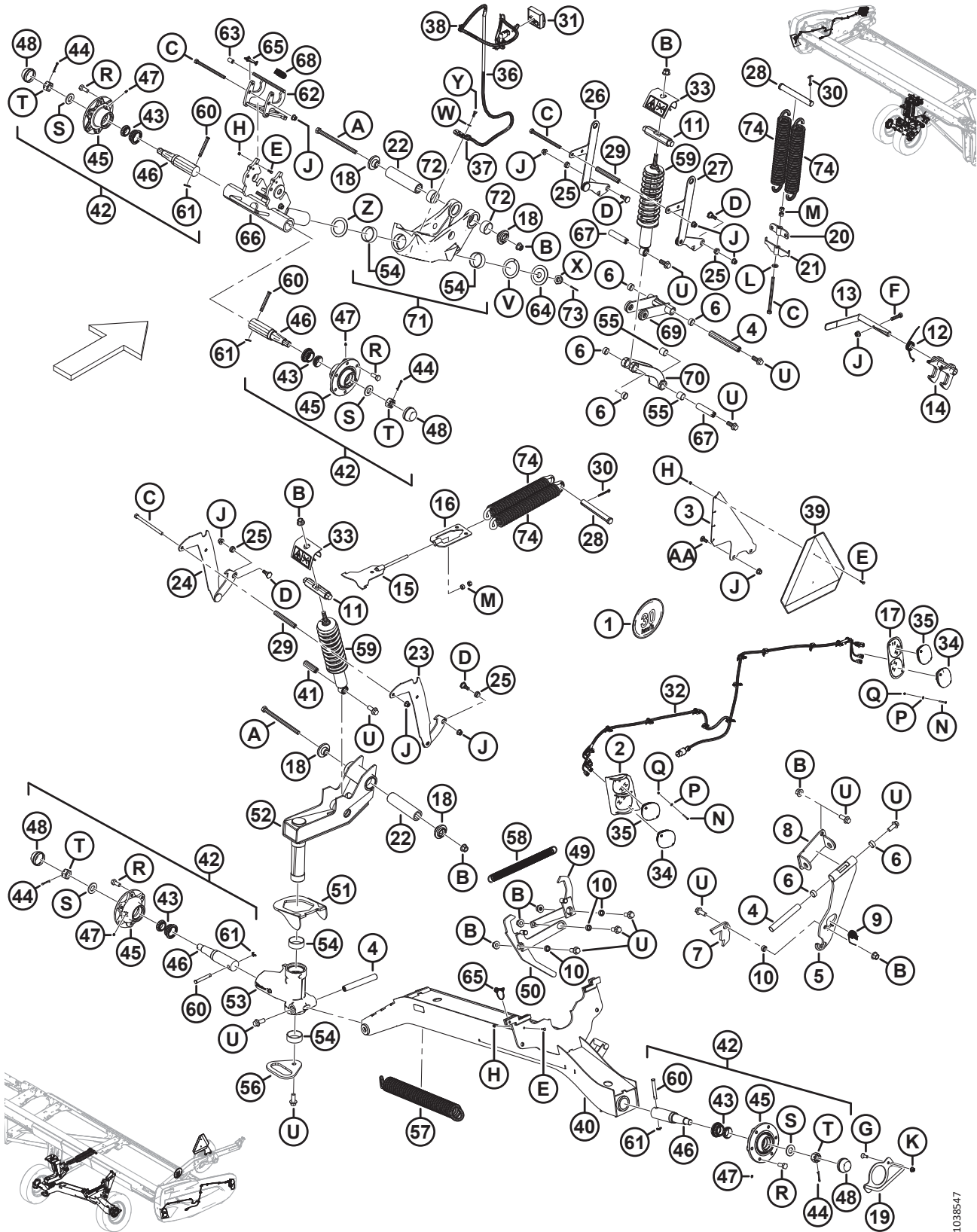
371. The kit includes two bearings (NSS) and one seal (NSS).

372. The pivot support assembly includes two composite bushings (MD #210661) and two composite bushings (MD #133992).

373. The dampener includes one composite bushing (MD #133992).

374. The latch assembly includes one latch (NSS) and one handle grip (MD #327534).

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – BASE KIT AND STABILIZER WHEELS



1038547

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – BASE KIT AND STABILIZER WHEELS

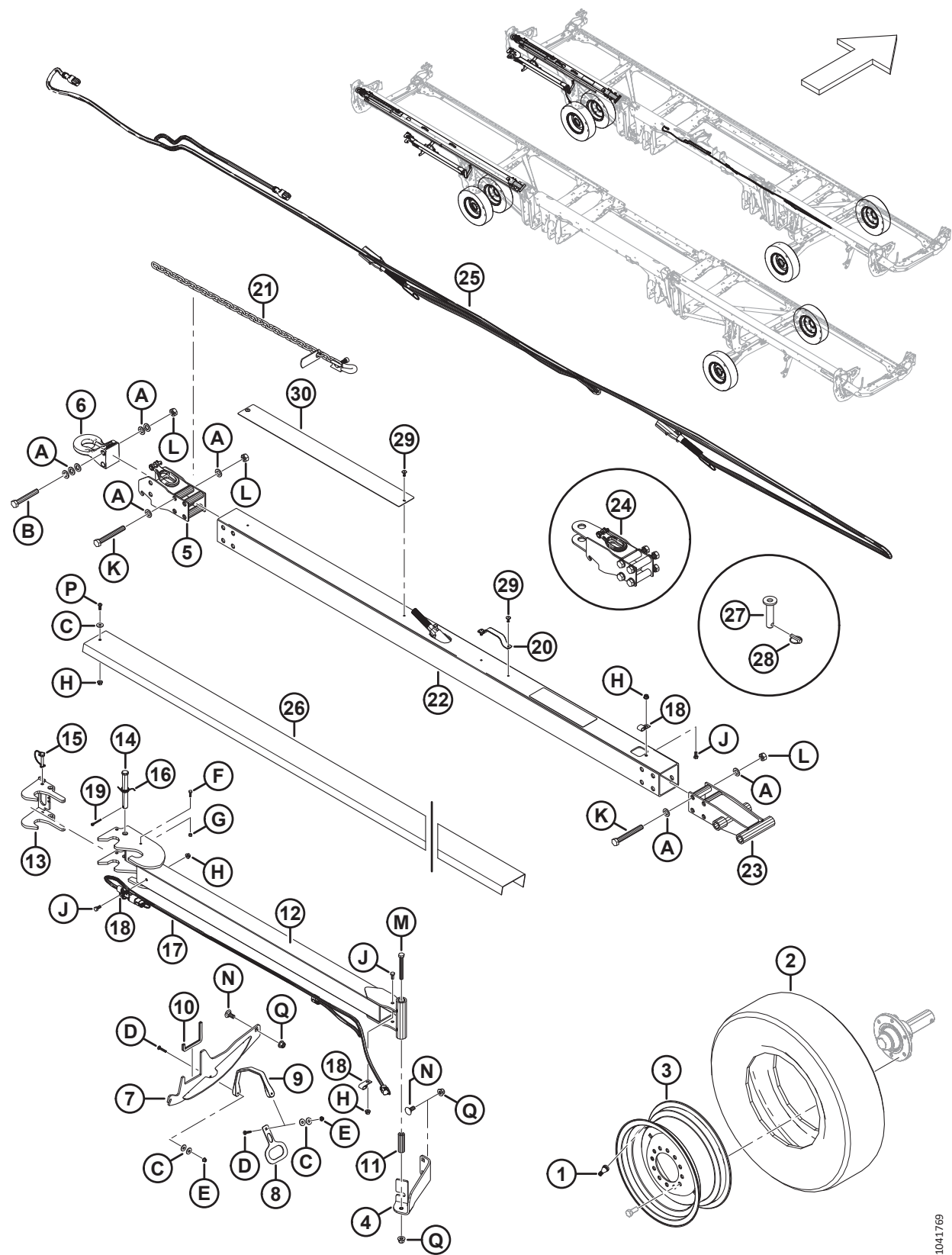
Ref	Part Number	Description	Qty	Serial Number
69	327738	ARM SUPPORT – ASSY ³⁷⁵	1	
70	303341	CAST SUPPORT – ASSY ³⁷⁶	1	
71	327814	PIVOT – ASSY ³⁷⁷	2	
72	327600	BUSHING – COMPOSITE	4	
73	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	1	
74	144724	SPRING – EXTENSION	4	
	316649	DECAL – HEIGHT SETTING, LH	1	
	316639	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		

375. The arm support assembly includes one arm support (NSS) and two composite bushings (MD #210690).

376. The support assembly includes one support (NSS), two composite bushings (MD #133992), and two composite bushings (MD #210690).

377. The pivot assembly includes one pivot (NSS), two composite bushings (MD #210661), and two composite bushings (MD #327600).

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



1041769

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – WHEELS, TIRES, AND TOW POLES

Ref	Part Number	Description	Qty	Serial Number
	B7398	EASYMOVE SLOW SPEED TRANSPORT – WHEELS AND TIRES ³⁷⁸		
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 ³⁷⁹	2	
	144531	WHEEL – 15 X 6 LB ³⁸⁰	A/R	
	327802	DECAL – TIRE PRESSURE, 655 KPA (95 PSI) ³⁸¹	2	
	327717	DECAL – TIRE PRESSURE, 552 KPA (80 PSI) ³⁸²	A/R	
	C2173	EASYMOVE SLOW SPEED TRANSPORT – LONG TOW POLE ³⁷⁸		
	C2260	EASYMOVE SLOW SPEED TRANSPORT – MEDIUM TOW POLE ³⁷⁸		
	C2172	EASYMOVE SLOW SPEED TRANSPORT – SHORT TOW POLE ³⁷⁸		
	B7392	EASYMOVE™ SLOW SPEED TRANSPORT – LONG TOW POLE ³⁷⁸		
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	
20	327563	HANDLE	2	
21	327532	CHAIN – SAFETY	1	
22	327696	TUBE – HITCH, LONG	1	
23	327692	HITCH, END – WELDT	1	
24	327664	ASSY – CLEVIS HITCH	1	
25	284550	HARNESS – TRANSPORT LIGHTS	1	
26	327817	SUPPORT – CHANNEL, LONG	1	

378. Kits are available through Whole Goods only.

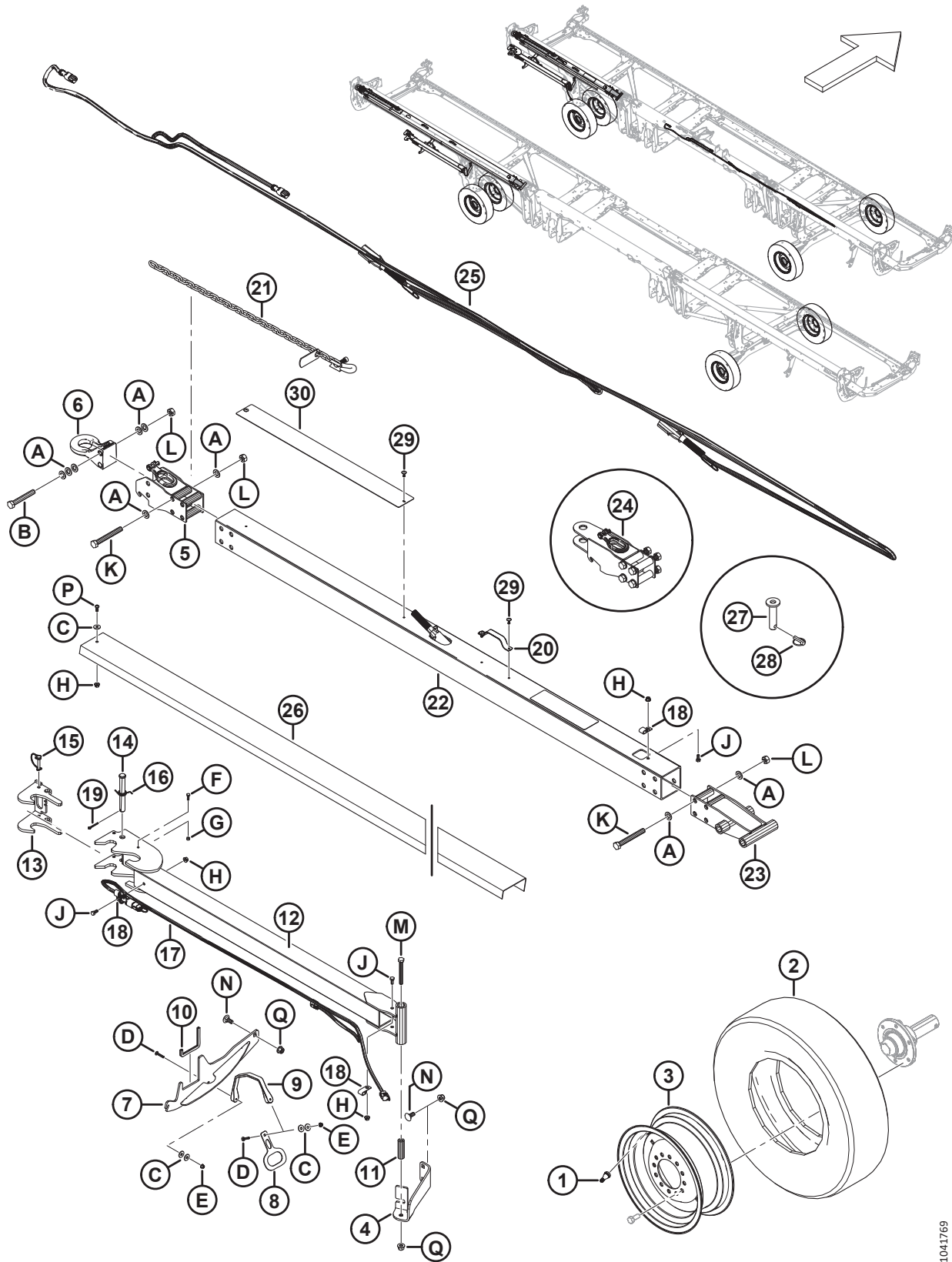
379. Wheel (MD #327807) is used with tire (MD #327808).

380. 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).

381. Tire pressure decal (MD #327802) (655 kPa [95 psi]) is used with tire (MD #327808).

382. Tire pressure decal (MD #327717) (552 kPa [80 psi]) remains available as a service part for superseded tire (MD #230483).

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – WHEELS, TIRES, AND TOW POLES

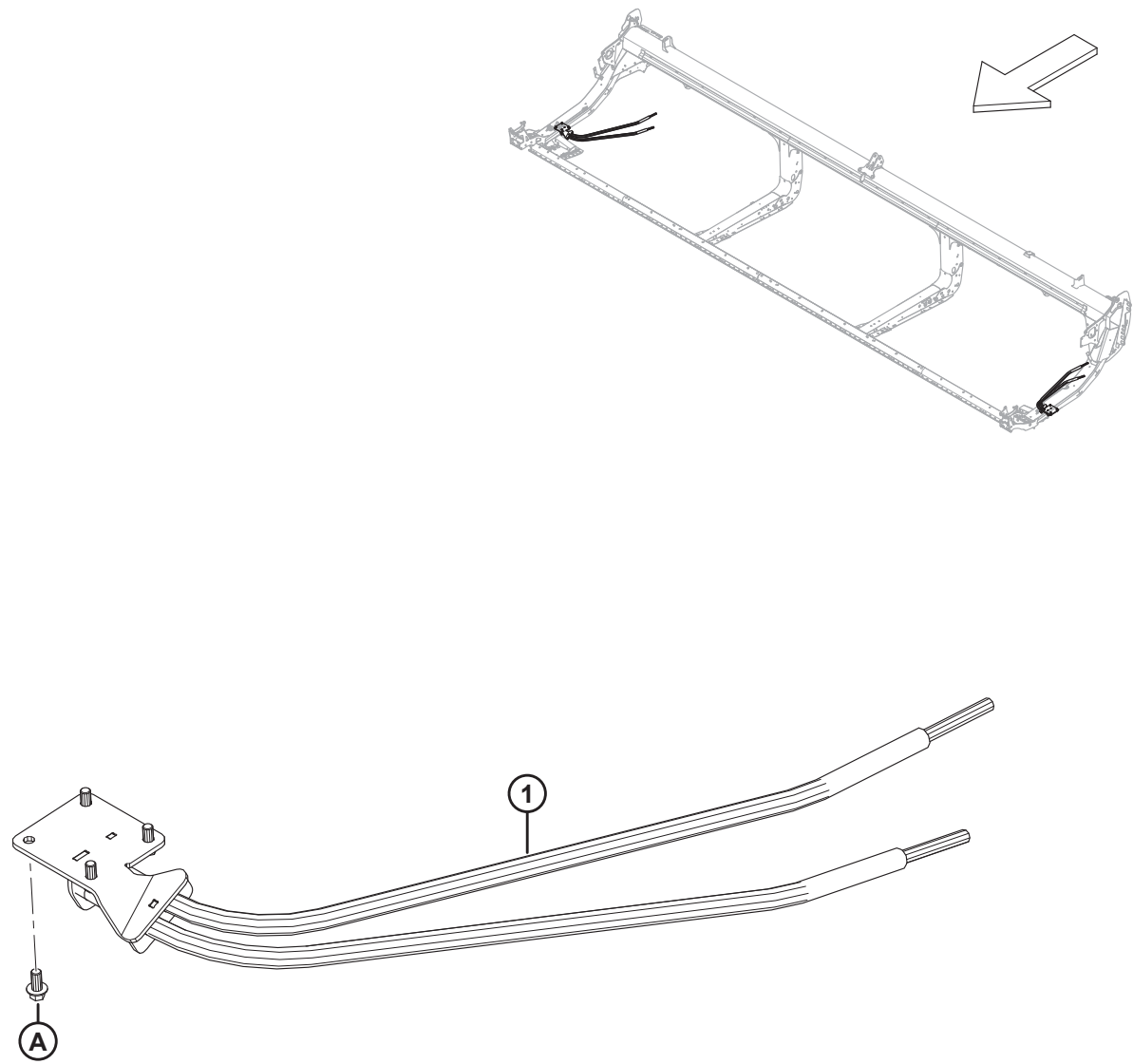


1041769

(OPTION) EASYMOVE™ SLOW SPEED TRANSPORT – WHEELS, TIRES, AND TOW POLES

Ref	Part Number	Description	Qty	Serial Number
27	118239	PIN – HITCH	1	
28	113561	PIN – LYNCH	1	
29	320039	RIVET – POP 4.8 MM X 27.2 MM		
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		

115 (Option) End Swath Deflector Rods



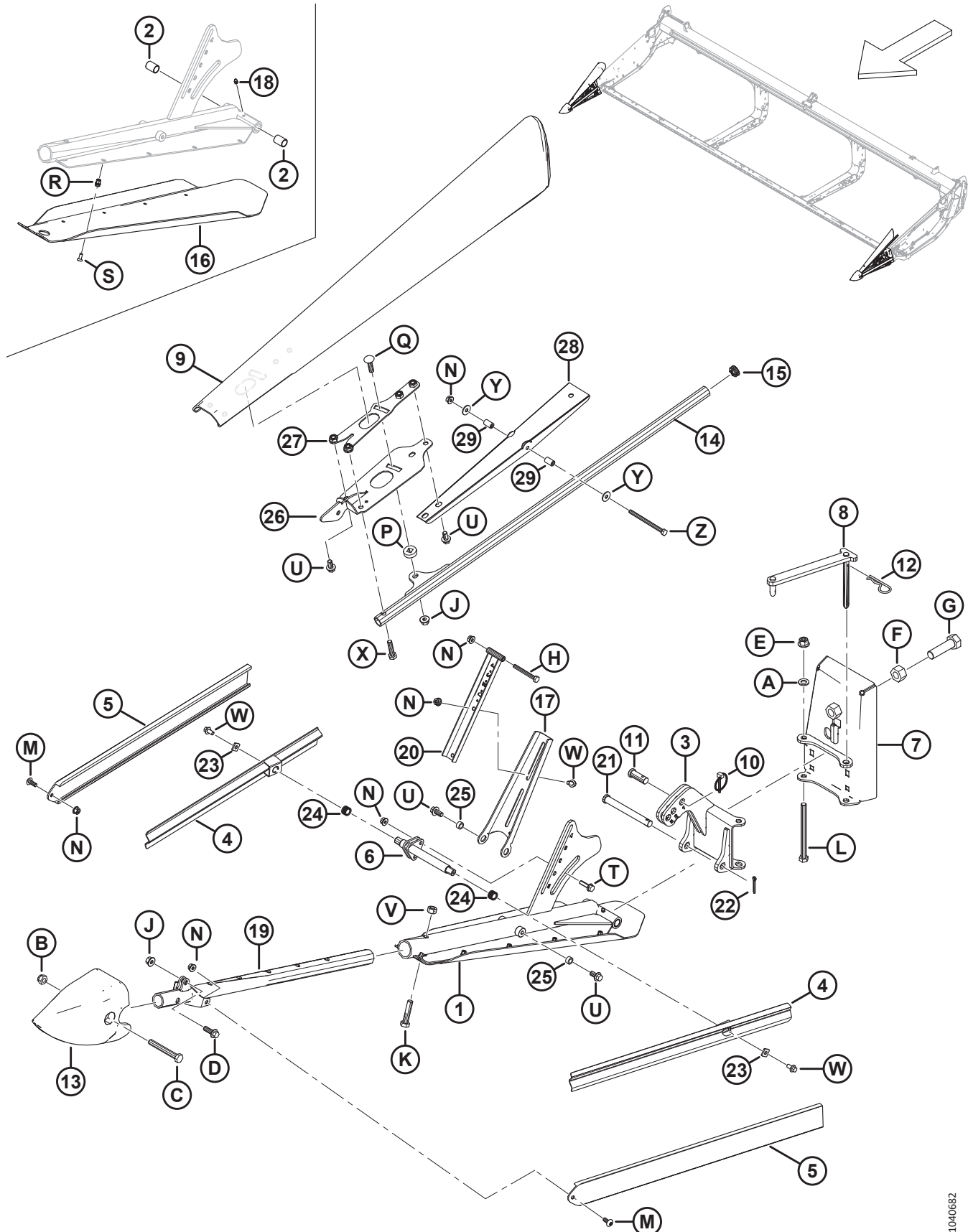
(OPTION) END SWATH DEFLECTOR RODS

Ref	Part Number	Description	Qty	Serial Number
	B6447	KIT – END SWATH DEFLECTOR ROD, LH ³⁸³		
	B6448	KIT – END SWATH DEFLECTOR ROD, RH ³⁸⁴		
1	289566	END DEFLECTOR ROD WELDT – LH	1	
	289567	END DEFLECTOR ROD WELDT – RH	1	
A	136399	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-8.8-AA1J		

383. The LH End Swath Deflector Rod kit (B6447) includes one left end deflector rod (MD #289566), hardware, and instructions. Kits are available through Whole Goods only.

384. The RH End Swath Deflector Rod kit (B6448) includes one right end deflector rod (MD #289567), hardware, and instructions. Kits are available through Whole Goods only.

116 (Option) Floating Crop Dividers



(OPTION) FLOATING CROP DIVIDERS

Ref	Part Number	Description	Qty	Serial Number
	B7346	KIT – FLOATING END DIVIDERS ³⁸⁵		
1	360072	ASSY – LH SHOE SUPPORT ³⁸⁶	1	
	360114	ASSY – RH SHOE SUPPORT ³⁸⁷	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 ³⁸⁸	A/R	
	360848	DEFLECTOR – RH	1	
	360940	KIT – DEFLECTOR, RH ³⁸⁹	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	

385. Kits are available through Whole Goods only.

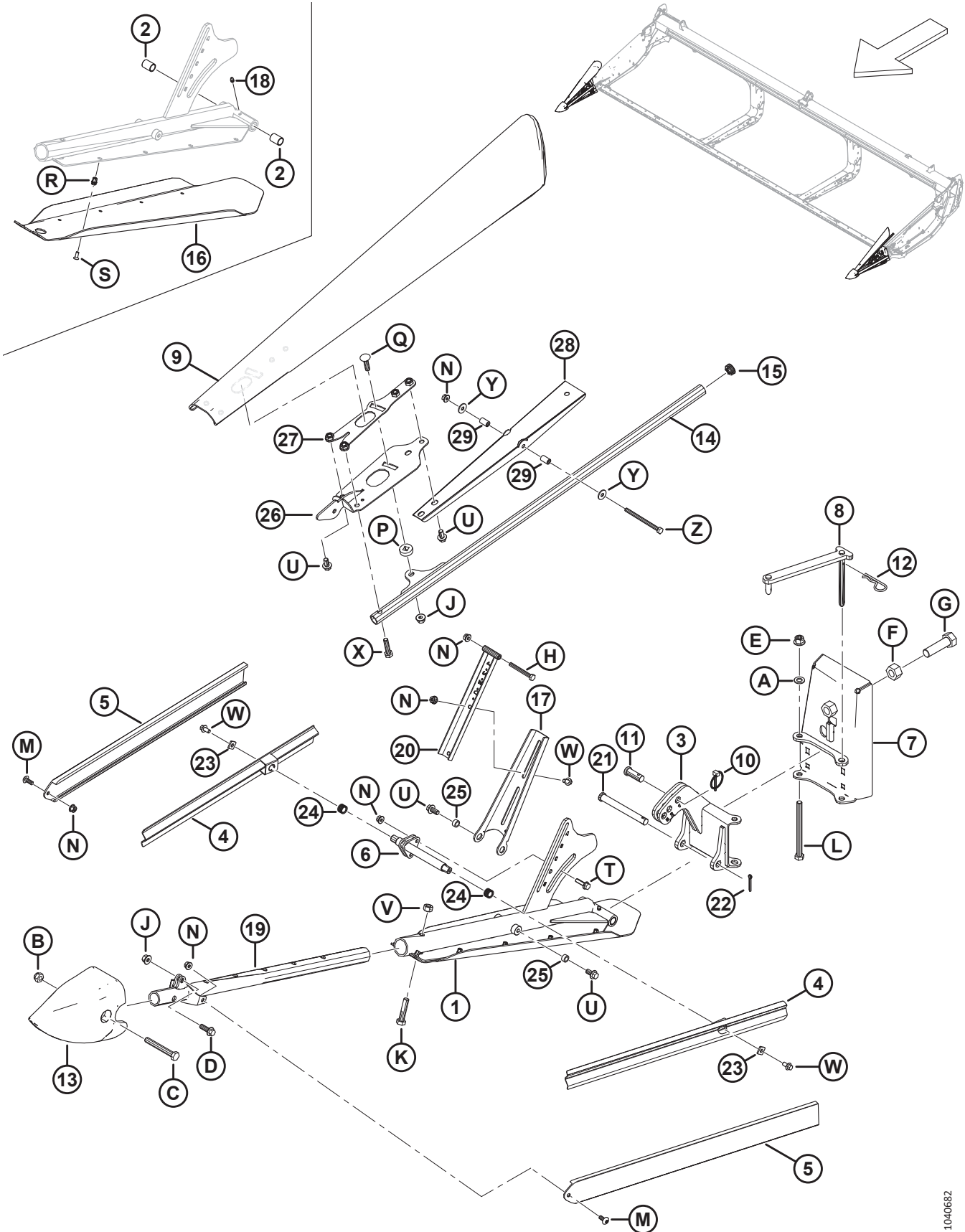
386. The assembly includes one LH support weldment (NSS), one LH shoe (MD #340212), one grease fitting (MD #18671), two bushings (MD #258391), ten screws (MD #320220), and ten rivnuts (MD #320404).

387. 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).

388. 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.

389. 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

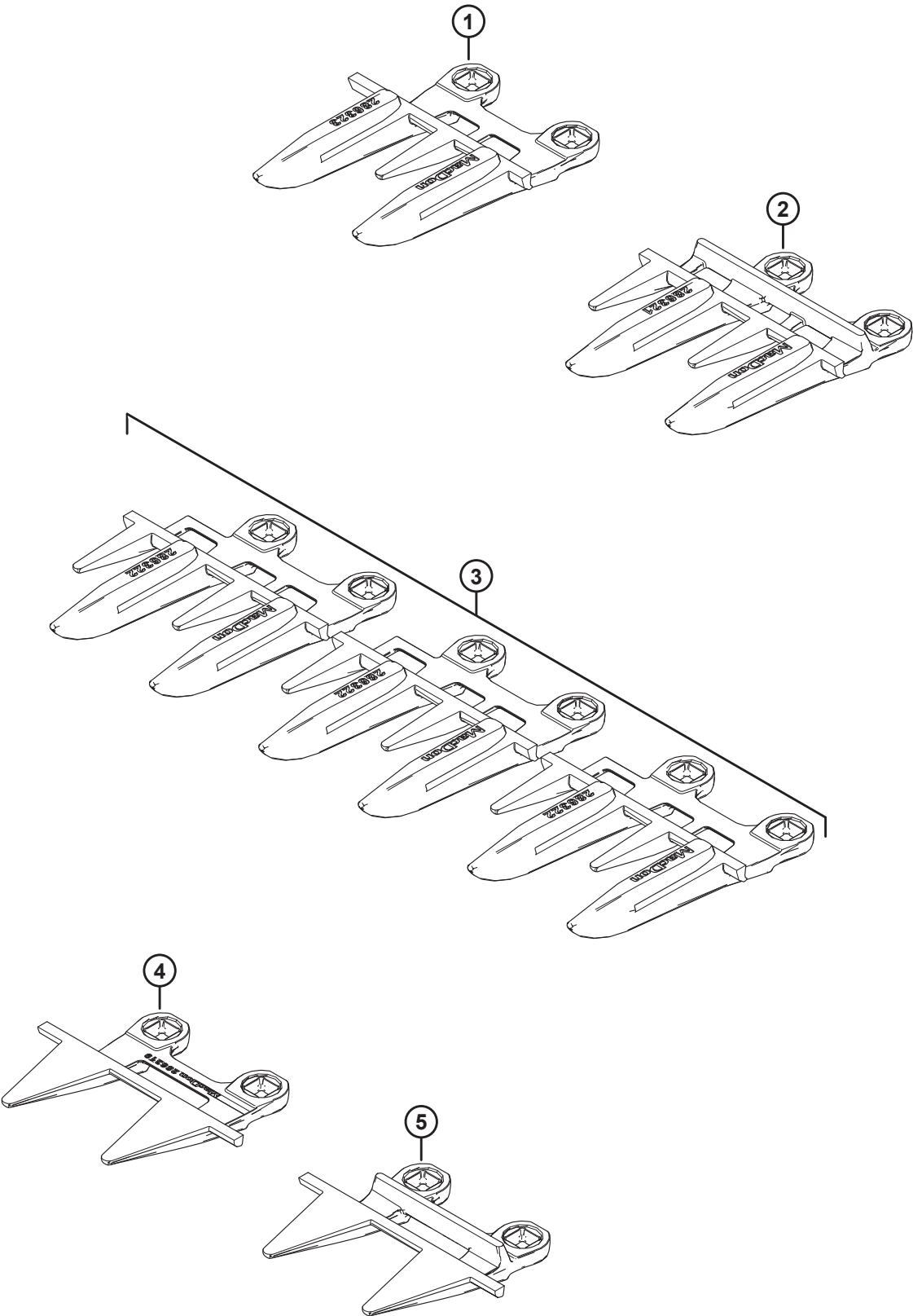


1040682

(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		

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



1039619

(OPTION) FOUR-POINT GUARD KITS, SINGLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	286838	KIT – 4 POINT GUARDS 20 FT SK ³⁹⁰		
	286690	KIT – 4 POINT GUARDS 25 FT SK ³⁹⁰		
	286691	KIT – 4 POINT GUARDS 30 FT SK ³⁹⁰		
	286692	KIT – 4 POINT GUARDS 35 FT SK ³⁹⁰		
1	286323	KNIFE GUARD – 4-POINT SPECIAL ³⁹¹	1	
2	286321	KNIFE GUARD – 4-POINT ³⁹²		
3	286322	KNIFE GUARD – 4-POINT END ³⁹³	3	
4	286319	KNIFE GUARD – PLUGFREE END ³⁹³	1	
5	286318	KNIFE GUARD – PLUGFREE ³⁹¹	1	

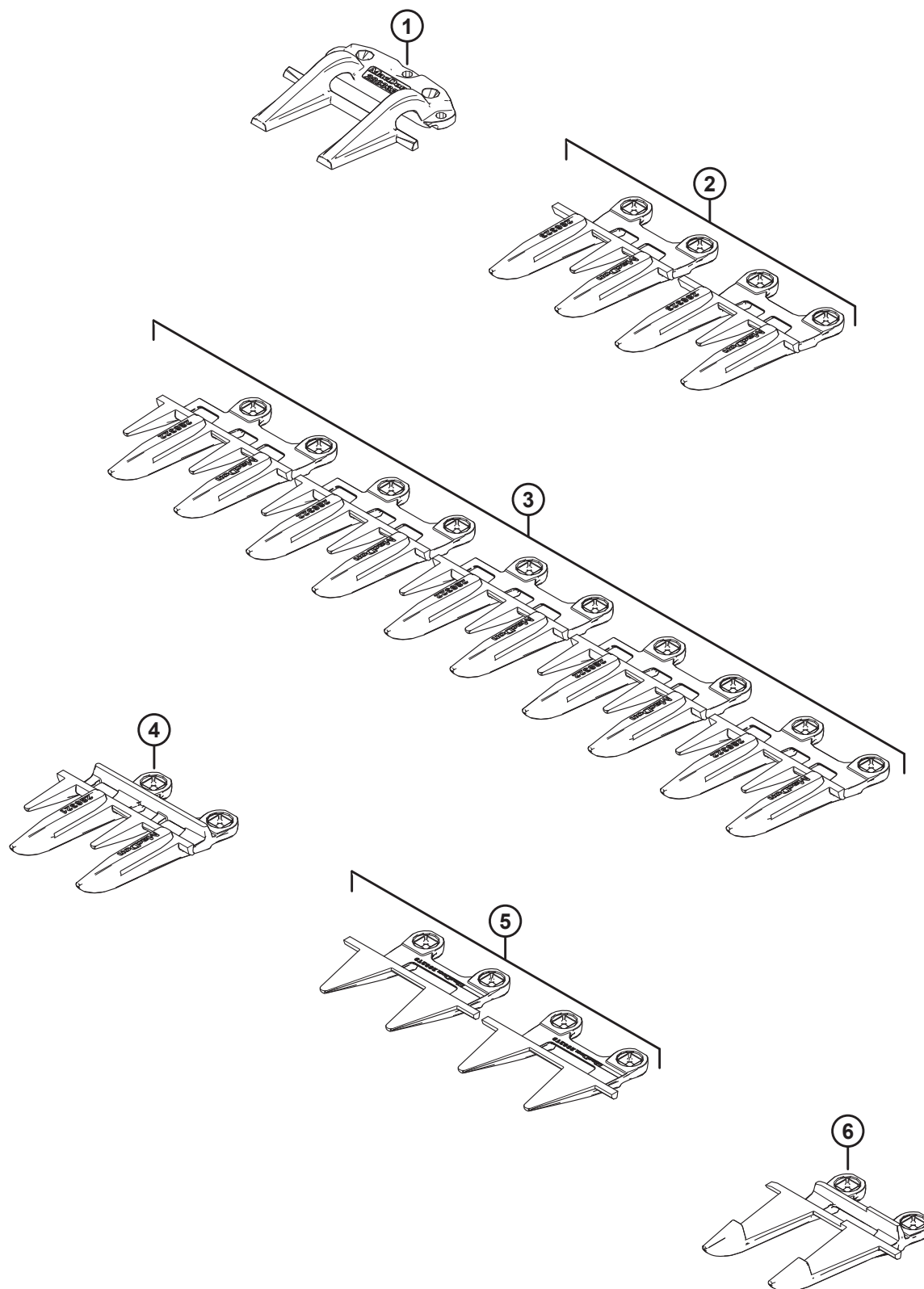
390. The kits include all listed parts, refer to the individual parts for specific quantities.

391. Used at the right end of the header.

392. Quantities: D220 = 34, D225 = 44, D230 = 54, D235 = 64.

393. Used at the drive end of the header.

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



1039618

(OPTION) FOUR-POINT GUARD KITS, DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	286836	KIT – 4 POINT GUARDS 15 FT DK ³⁹⁴		
	286837	KIT – 4 POINT GUARDS 20 FT DK ³⁹⁴		
	286683	KIT – 4 POINT GUARDS 25 FT DK ³⁹⁴		
	286684	KIT – 4 POINT GUARDS 30 FT DK ³⁹⁴		
	286685	KIT – 4 POINT GUARDS 35 FT DK ³⁹⁴		
	286686	KIT – 4 POINT GUARDS 40 FT DK ³⁹⁴		
	286687	KIT – 4 POINT GUARDS 41 FT DK ³⁹⁴		
1	286332	HOLD-DOWN – POINTED CENTER ³⁹⁵	1	
2	286323	KNIFE GUARD – 4-POINT SPECIAL ³⁹⁶	2	
3	286322	KNIFE GUARD – 4-POINT END ³⁹⁷	5	
4	286321	KNIFE GUARD – 4-POINT ³⁹⁸		
5	286319	KNIFE GUARD – PLUGFREE END ³⁹⁹	2	
6	286317	KNIFE GUARD – POINTED CENTER ³⁹⁵	1	

394. The kits include all listed parts; refer to the individual parts for specific quantities.

395. Used near the center of the header.

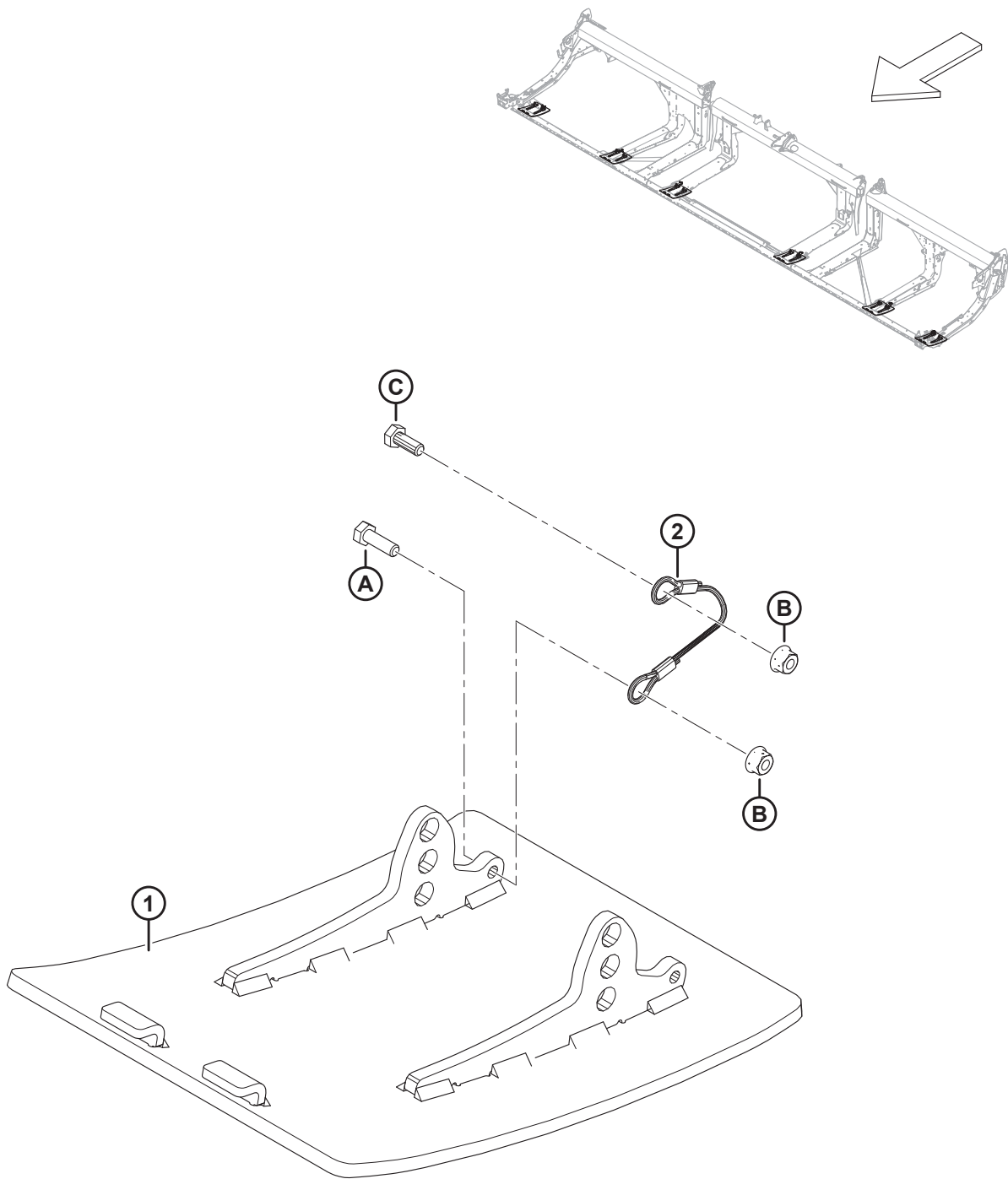
396. One 4-point special knife guard is used at the right end of the header, and to the left of the pointed center knife guard and pointed center hold-down.

397. 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.

398. Quantities: D215 = 20, D220 = 30, D225 = 40, D230 = 50, D235 = 60, D241 = 72.

399. One PlugFree™ end knife guard is used at each end of the header.

119 (Option) High Wear Skid Shoes



(OPTION) HIGH WEAR SKID SHOES

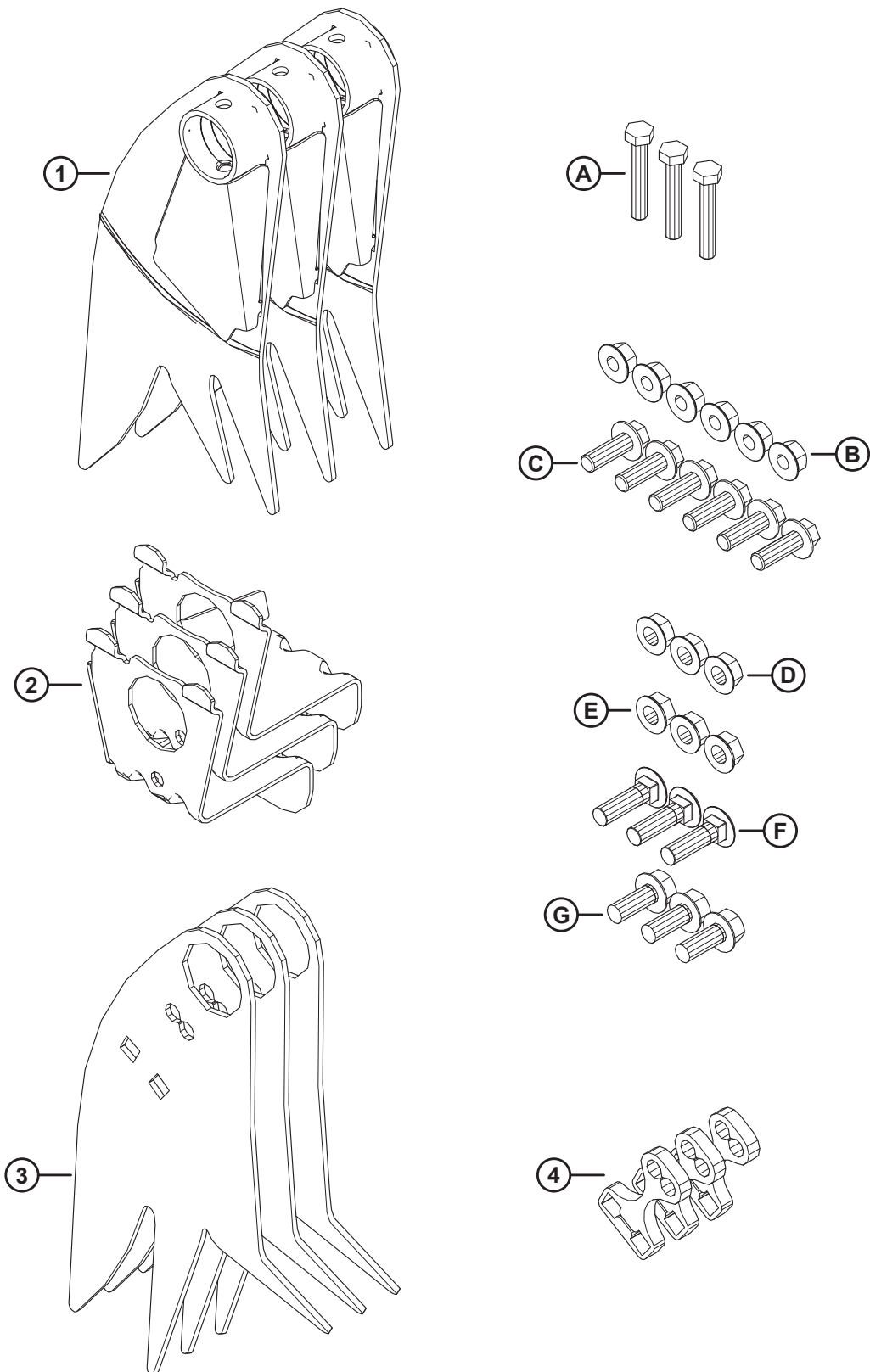
NOTE:

Two kits are required for D225 and smaller headers. Three kits are required for D230 and larger headers.

Ref	Part Number	Description	Qty	Serial Number
	B6801	KIT – HIGH WEAR, ABRASION RESISTANT STEEL SKID SHOES ⁴⁰⁰		
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		

400. The kit includes two high wear steel skid shoes, two cable stops, hardware, and instructions. Kits are available through Whole Goods only.

120 (Option) Lodged Crop Reel Fingers

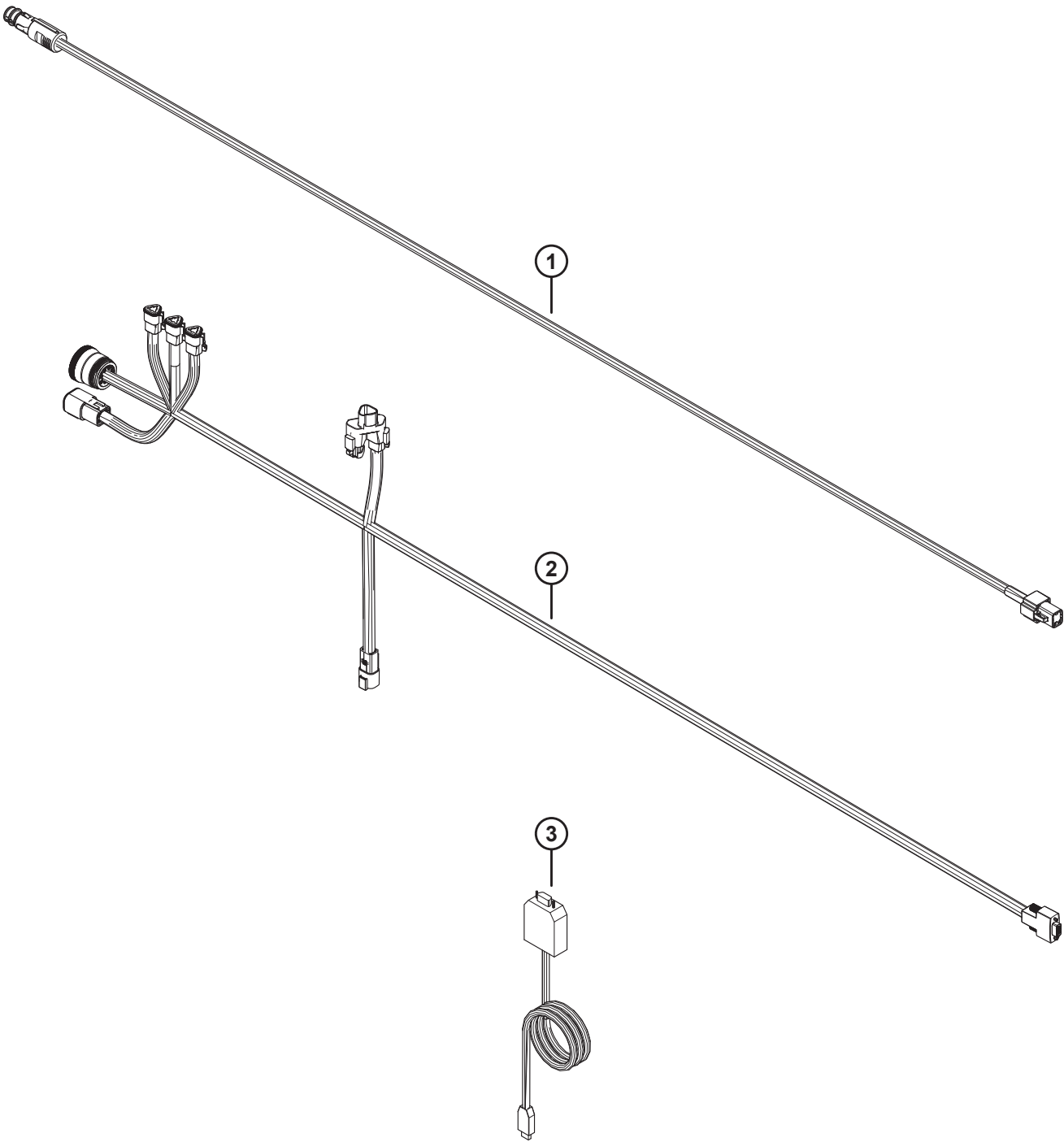


(OPTION) LODGED CROP REEL FINGERS

Ref	Part Number	Description	Qty	Serial Number
	B7230	KIT – LODGED CROP FINGER ⁴⁰¹		
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		

401. 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.

121 (Option) Module Programming Kit



(OPTION) MODULE PROGRAMMING KIT

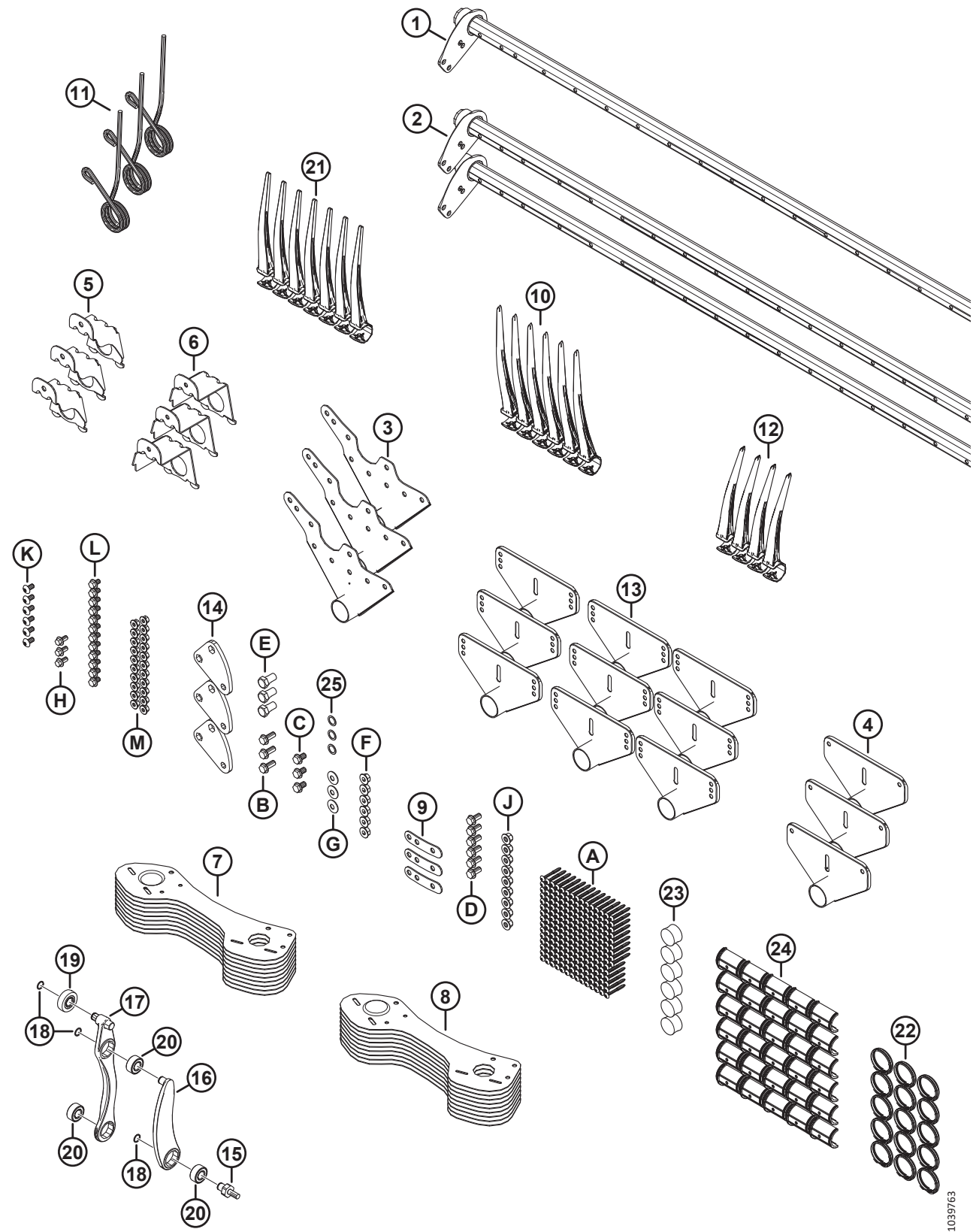
NOTE:

This kit is for D2 Series Draper Headers for Windrowers with the Electronically Timed Double Knife Kit (ETDK) and is for Dealer use only.

Ref	Part Number	Description	Qty	Serial Number
	368385	KIT – MODULE PROGRAMMING ⁴⁰²		
1	308943	HARNESS – EXT CAB PWR BOSCH/AUS	1	
2	500557	HARNESS – DIAG., PROGRAMMING	1	
3	500593	CABLE – PCAN TO USB	1	

402. The Module Programming kit includes all listed parts and instructions. This kit is for Dealer use only.

122 (Option) Reel Tine Tube Conversion Kits – Single Reel, 6 Bat to 9 Bat



1039763

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

Ref	Part Number	Description	Qty	Serial Number
	B7360	KIT – 20FT SR 6B to 9B CONV. ⁴⁰³		
	B7361	KIT – 25FT SR 6B TO 9B CONV. ⁴⁰³	1	
1	311193	TINE TUBE – 20FT SR WIDE ⁴⁰⁴	1	
	360199	TINE TUBE – 25FT SR WIDE ⁴⁰⁵	1	
2	311190	TINE TUBE – 20FT SR NARROW ⁴⁰⁴	2	
	360201	TINE TUBE – 25FT SR NARROW ⁴⁰⁵	2	
3	335924	ARM WELDT – CAM END	3	
4	311347	ARM WELDT – TAIL END	3	
5	311964	SUPPORT – WELDT CAM END	3	
6	311965	SUPPORT – WELDT TAIL END	3	
7	311864	SHIELD – OUTBOARD LH 9 BAT	9	
8	311863	SHIELD – OUTBOARD RH 9 BAT	9	
9	311672	STRAP	3	
10	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10)	6	
11	311325	FINGER – CAM END OUTBOARD	3	
12	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	4	
13	273523	ARM WELDT – MID SPAN ⁴⁰⁶		
14	228319	ARM – CRANK MACHINING	3	
15	340146	STUD	3	
16	311615	ARM – ASSEMBLY ⁴⁰⁷	3	
17	311617	ARM – TINE CONTROL ASSY ⁴⁰⁸	3	
18	273536	RING – RETAINING	9	
19	273524	BEARING – CAM FOLLOWER	3	
20	273347	BEARING	9	
21	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10) ⁴⁰⁹		
22	220941	CLAMP – TINE TUBE BUSHING, CENTER RIB (BOX OF 5) ⁴¹⁰		
23	137980	PLUG – TINE TUBE	6	
24	220939	TINE TUBE BUSHING (BOX OF 25) ⁴¹¹		
25	137529	SHIM – CRANK BEARING	3	
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	320175	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-SPCL-8.8-ZINC		
E	228316	BOLT – HEX HD M16 X 1.5 X 30-SPCL-8.8-ZINC		

403. Kits are available through Whole Goods only.

404. Used on D220 headers only.

405. Used on D225 headers only.

406. Quantities: D220 = 6, D225 = 9.

407. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).

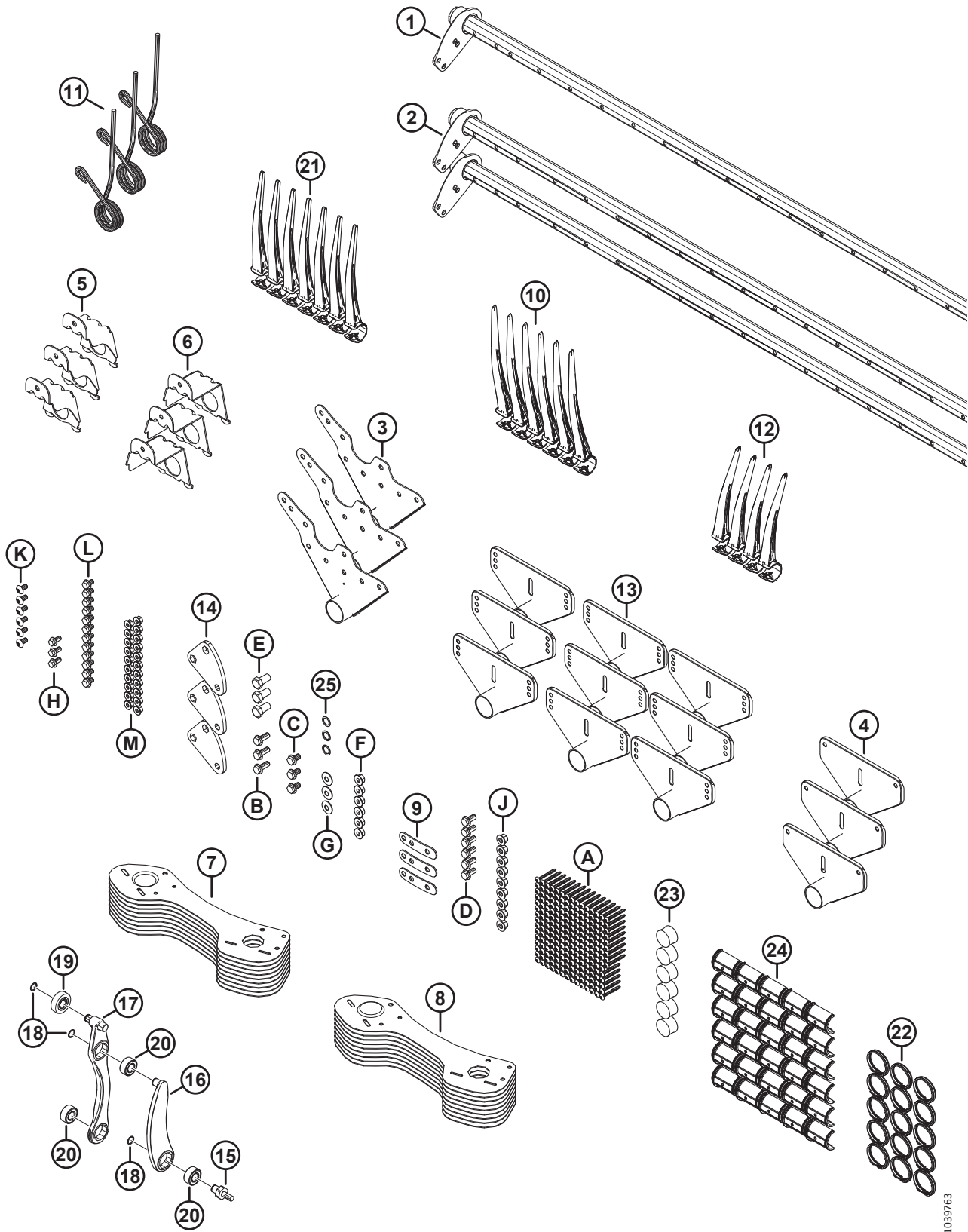
408. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).

409. Quantities: D220 = 161, D225 = 211.

410. Quantities: D220 = 12, D225 = 15.

411. Quantities: D220 = 24, D225 = 30.

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

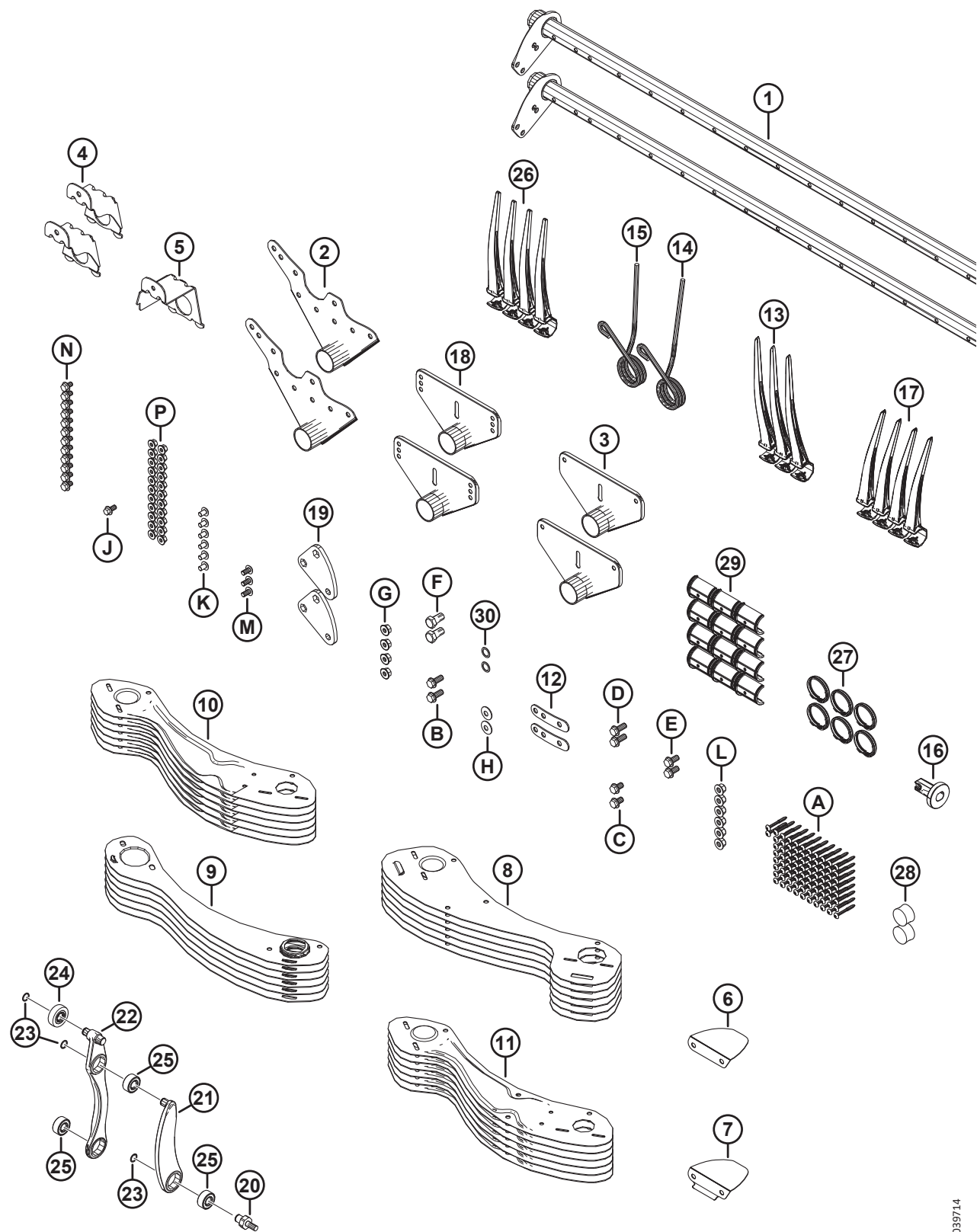


1039763

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

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

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



1039714

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

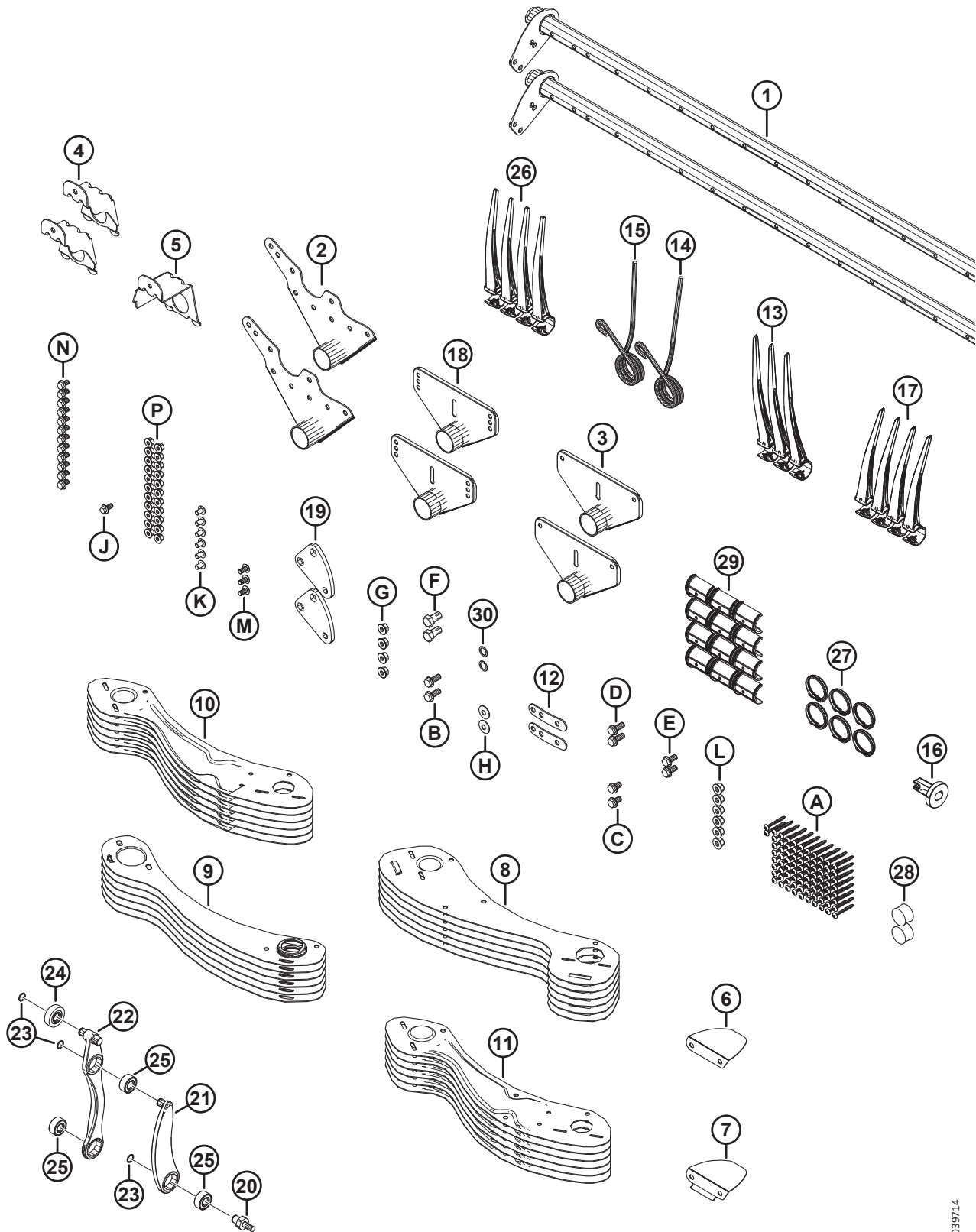
Ref	Part Number	Description	Qty	Serial Number
	B7359	KIT – 41FT DR 5B TO 6B CONV. ⁴¹²		
1	311306	TINE TUBE – 41FT DR WIDE	2	
2	335924	ARM WELDT – CAM END	2	
3	311347	ARM WELDT – TAIL END	2	
4	311964	SUPPORT – WELDT CAM END	2	
5	311965	SUPPORT – WELDT TAIL END	1	
6	311906	DEFLECTOR – CAM INBOARD	1	
7	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	311524	FINGER – PLASTIC, LH ANGLED, 52 MM (PKG OF 10)	2	
14	311327	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)	4	
18	273523	ARM WELDT – MID SPAN	4	
19	228319	ARM – CRANK MACHINING	2	
20	340146	STUD	2	
21	311615	ARM – ASSEMBLY ⁴¹³	2	
22	311617	ARM – TINE CONTROL ASSY ⁴¹⁴	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)	106	
27	220941	CLAMP – TINE TUBE BUSHING-CENTER RIB (BOX OF 5)	8	
28	137980	PLUG – TINE TUBE	3	
29	220939	TINE TUBE BUSHING (BOX OF 25)	16	
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		

412. Kits are available through Whole Goods only.

413. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).

414. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).

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

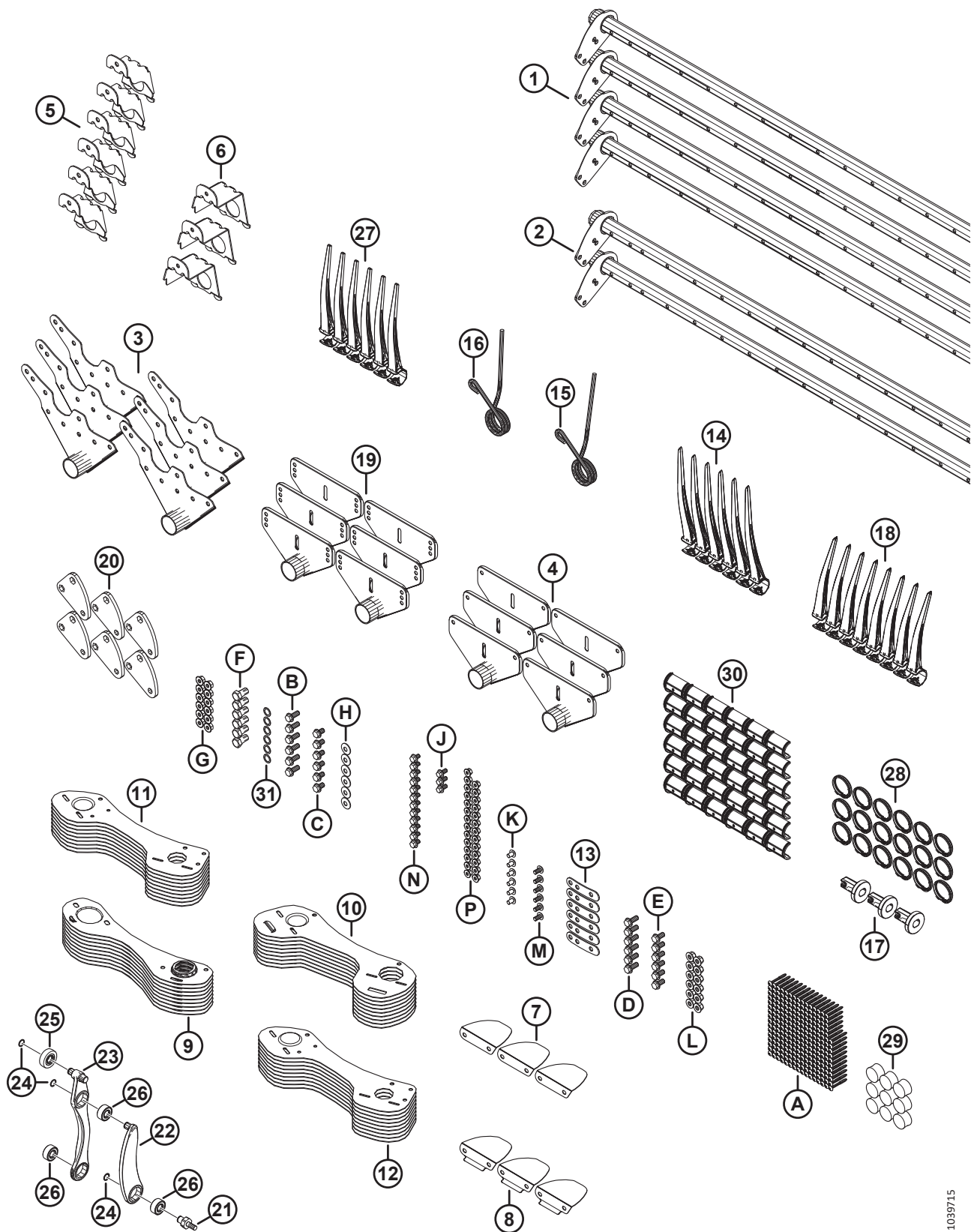


1039714

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

Ref	Part Number	Description	Qty	Serial Number
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		

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



1039715

(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. ⁴¹⁵		
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) ⁴¹⁶	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) ⁴¹⁶	8	
19	273523	ARM WELDT – MID SPAN	6	
20	228319	ARM – CRANK MACHINING	6	
21	340146	STUD	6	
22	311615	ARM – ASSEMBLY ⁴¹⁷	6	
23	311617	ARM – TINE CONTROL ASSY ⁴¹⁸	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) ⁴¹⁹	237	
28	220941	CLAMP – TINE TUBE BUSHING, CENTER RIB (BOX OF 5) ⁴²⁰	18	
29	137980	PLUG – TINE TUBE	9	
30	220939	TINE TUBE BUSHING (BOX OF 25) ⁴²¹	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		

415. Kits are available through Whole Goods only.

416. Quantity listed is for individual fingers. Angled plastic fingers are sold in packs of 10 only.

417. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).

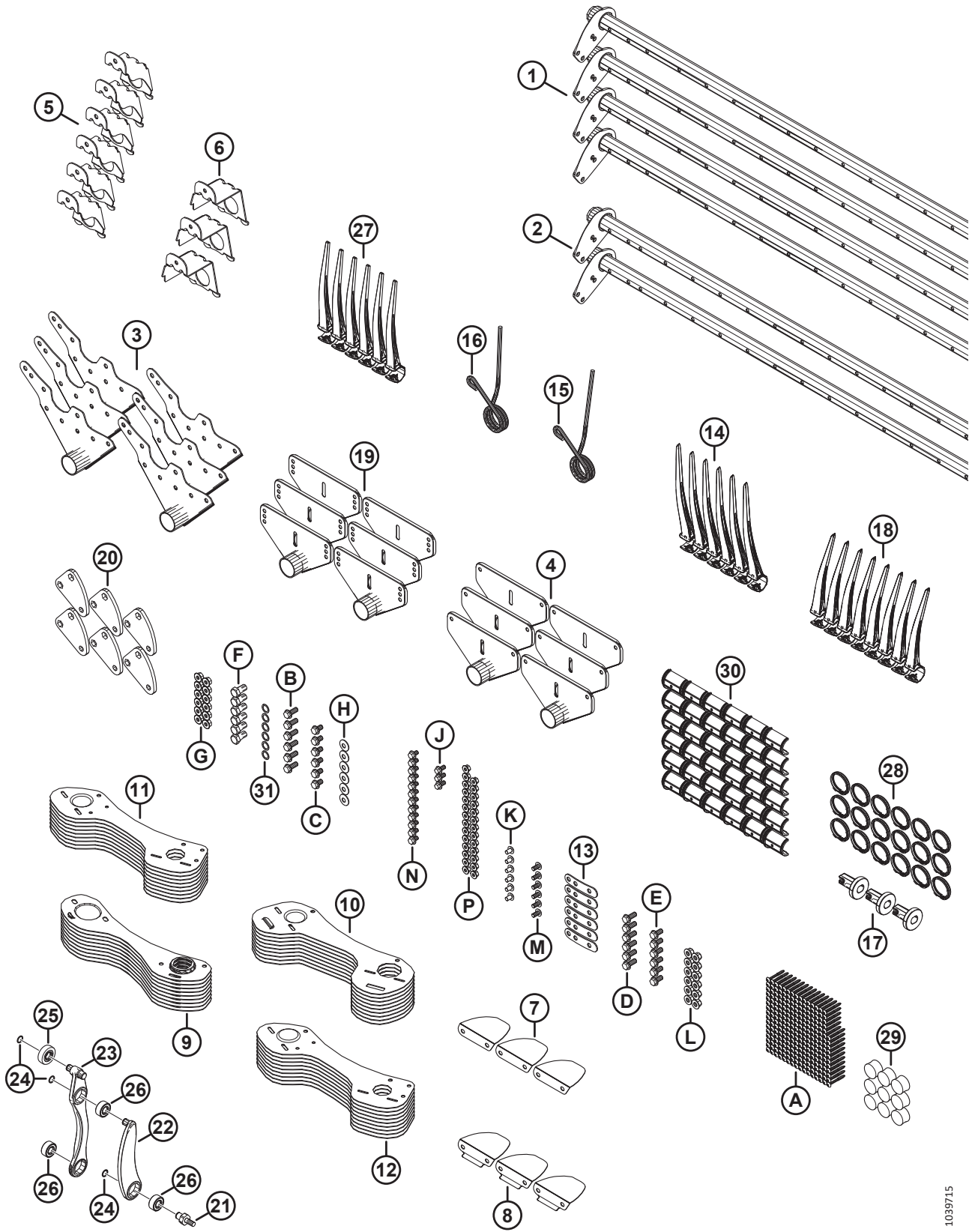
418. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).

419. Quantity listed is for individual fingers. Plastic fingers are sold in packs of 10 only.

420. Quantity listed is for individual clamps. Tine tube bushing clamps are sold in packs of 5 only.

421. Quantity listed is for individual bushings. Tine tube bushings are sold in packs of 25 only.

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

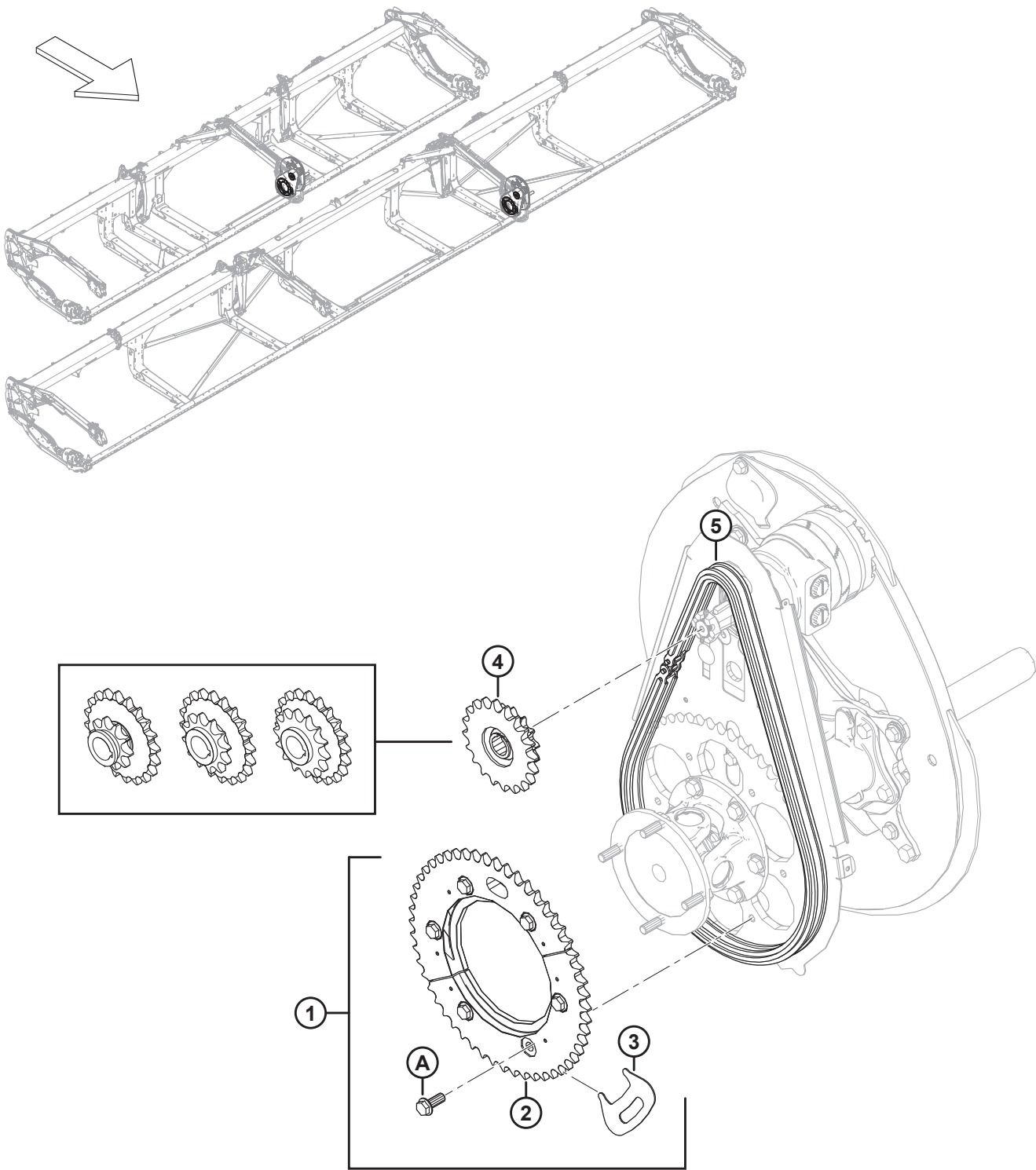


1039715

(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		

125 (Option) Reel – Drive, Two Speed Kit



(OPTION) REEL – DRIVE, TWO SPEED KIT

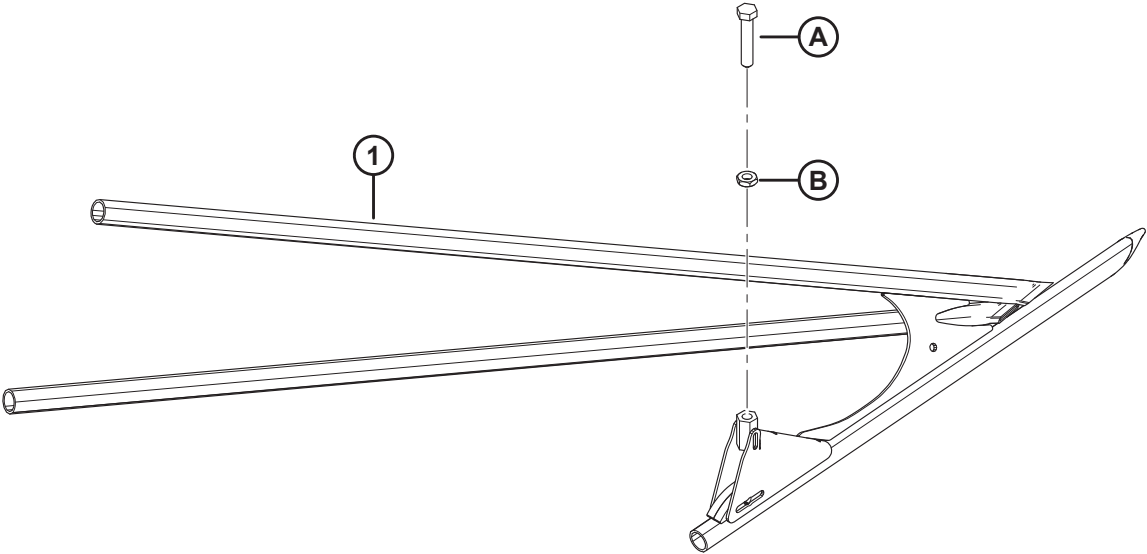
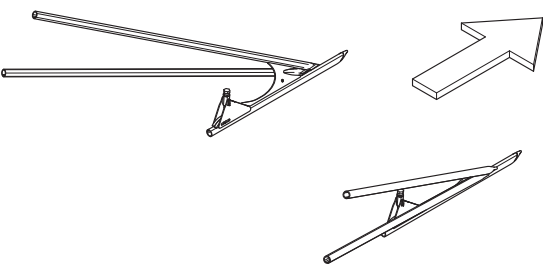
Ref	Part Number	Description	Qty	Serial Number
1	311882	KIT – 2 SPEED ⁴²²	1	
2	NSS	SPROCKET – MACHINED 52 T	1	
3	NSS	TOOL – SPROCKET	1	
4	273453	SPROCKET – DUAL 14-20 (WINDROWER) ⁴²³	1	
5	273907	CHAIN – RC 60 ENDLESS 76 LINKS ⁴²⁴	OPT	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS ⁴²⁴	OPT	
A	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		

422. 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.

423. Windrower, 3000 psi reel drive circuit pressure.

424. 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.

126 (Option) Rice Divider Rods

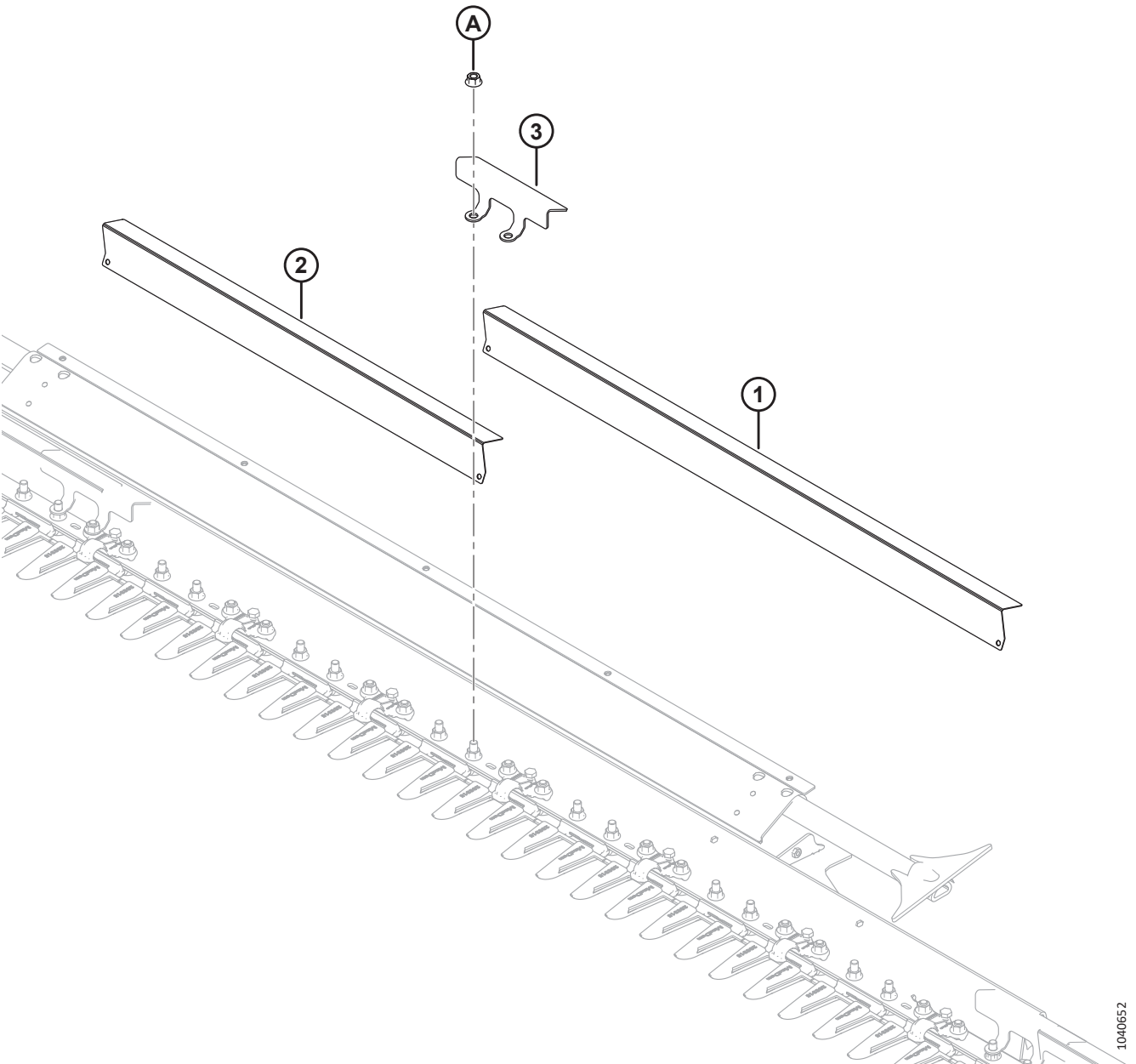
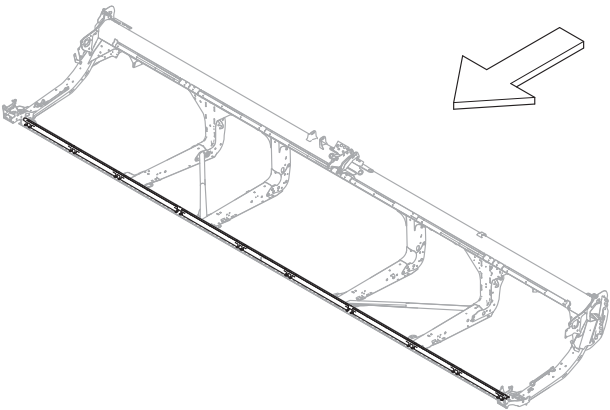


(OPTION) RICE DIVIDER RODS

Ref	Part Number	Description	Qty	Serial Number
	B7238	RICE DIVIDER RODS ⁴²⁵		
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		

425. Kits are available through Whole Goods only.

127 (Option) Rock Retarder Kit



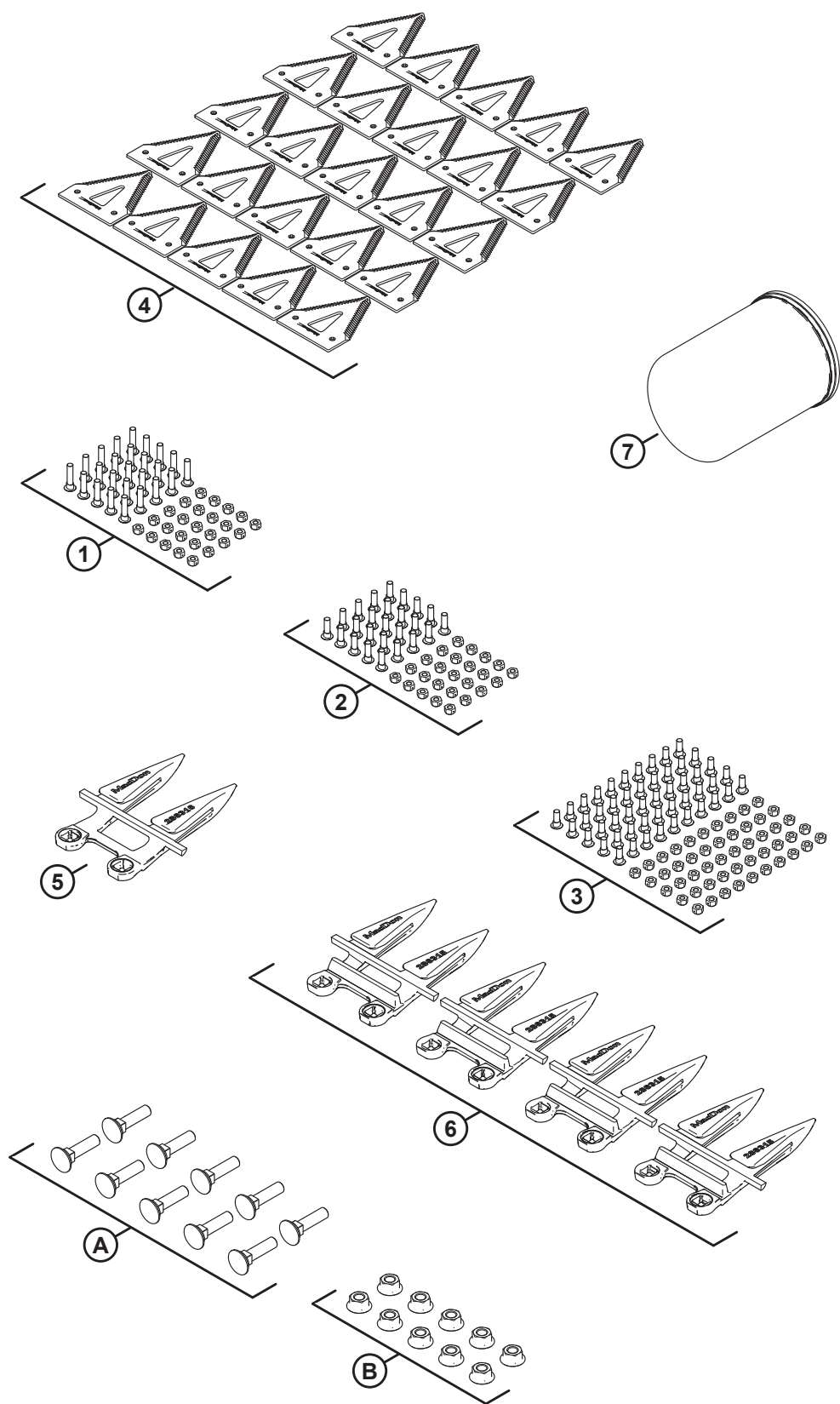
1040652

(OPTION) ROCK RETARDER KIT

Ref	Part Number	Description	Qty	Serial Number
	B7122	KIT – ROCK RETARDER, D225, D230, D235, AND D241 ⁴²⁶		
1	233800	DEFLECTOR – ROCK GUARD LONG	4	
2	233799	DEFLECTOR – ROCK GUARD SHORT	9	
3	233635	CLAMP – ROCK GUARD	14	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

426. Kits are available through Whole Goods only.

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



(OPTION) SERVICE KIT – POINTED GUARDS, COARSE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7155	KIT – SERVICE, POINTED, COARSE ⁴²⁷		
	311789	KIT – D2 SERVICE PTD CRS ⁴²⁸		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK ⁴²⁹	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK ⁴²⁹	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK ⁴²⁹	1	
4	286461	SECTION – CLEARCUT COARSE 25PK ⁴³⁰	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		

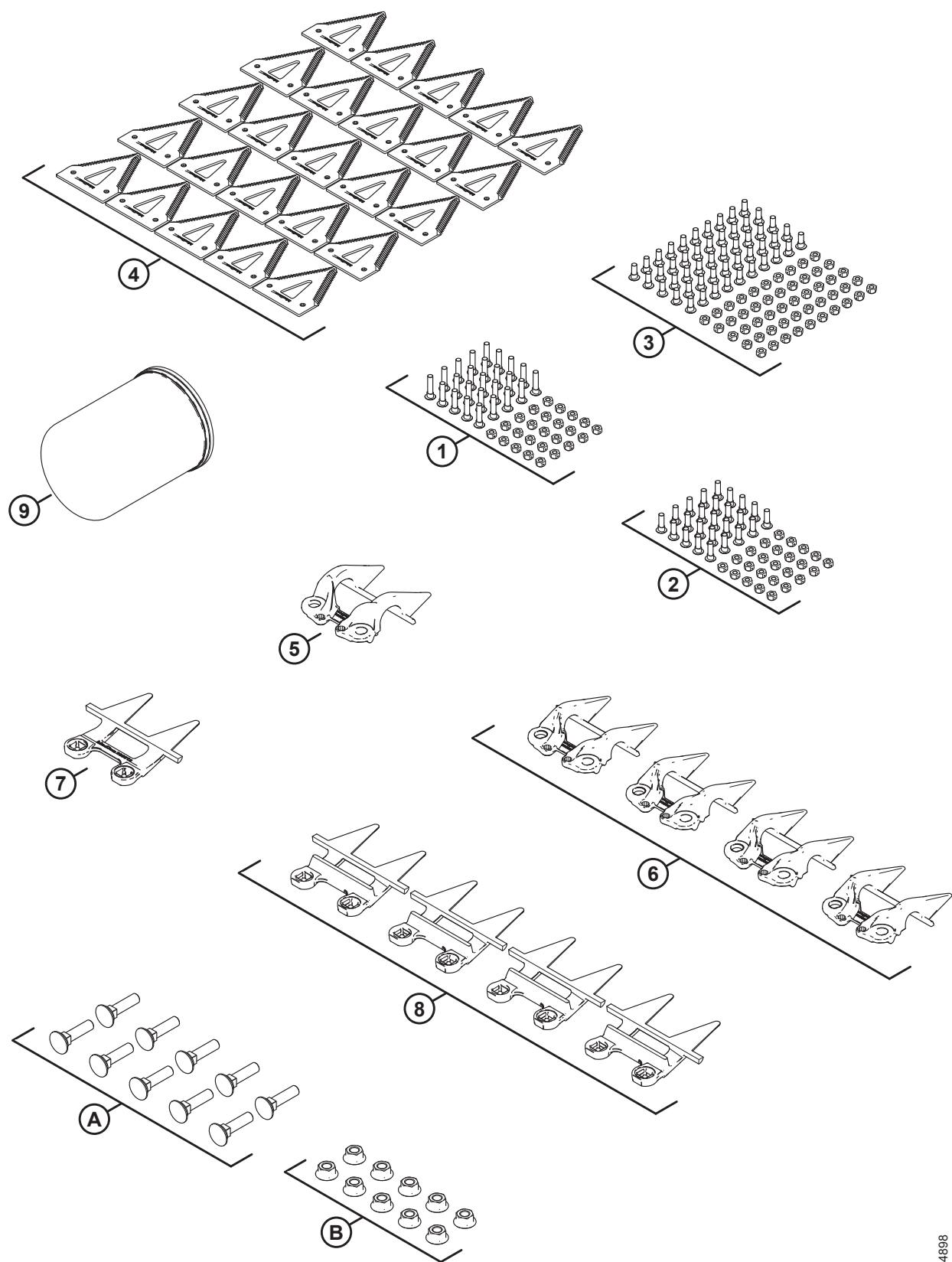
427. Kits are available through Whole Goods only. This is not available for sale in North America.

428. The kit includes all listed parts.

429. Quantity listed is for the number of screw kits.

430. Quantity listed is for the number of 25-packs of coarse sections.

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



1034898

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

Ref	Part Number	Description	Qty	Serial Number
	B7156	KIT – SERVICE, PLUGFREE, COARSE ⁴³¹		
	311790	KIT – D2 SERVICE PF CRS ⁴³²		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK ⁴³³	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK ⁴³³	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK ⁴³³	1	
4	286461	SECTION – CLEARCUT COARSE 25PK ⁴³⁴	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		

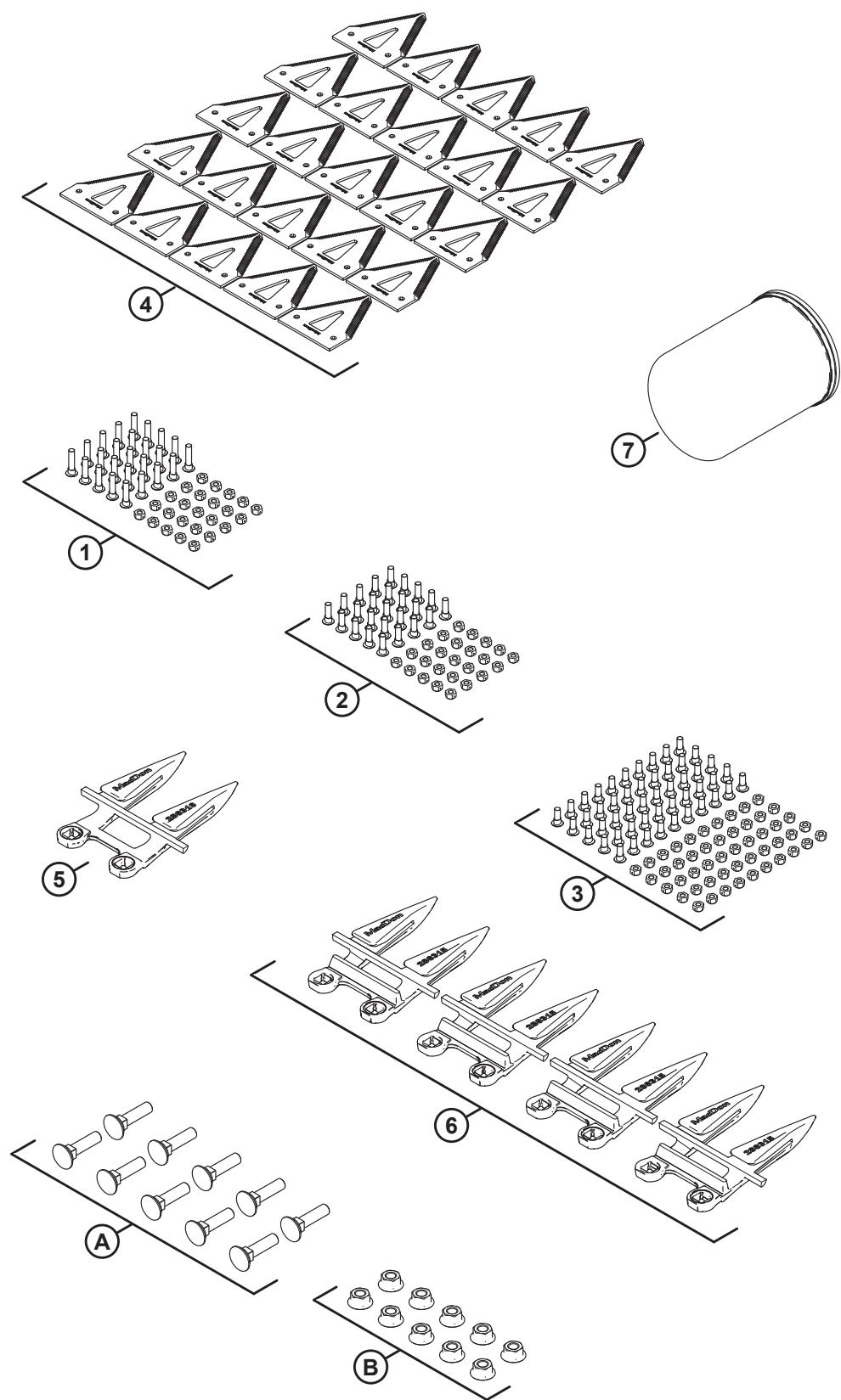
431. Kits are available through Whole Goods only.

432. The kit includes all listed parts.

433. Quantity listed is for the number of screw kits.

434. Quantity listed is for the number of 25-packs of coarse sections.

130 (Option) Service Kit – Pointed Guards, Fine Knives



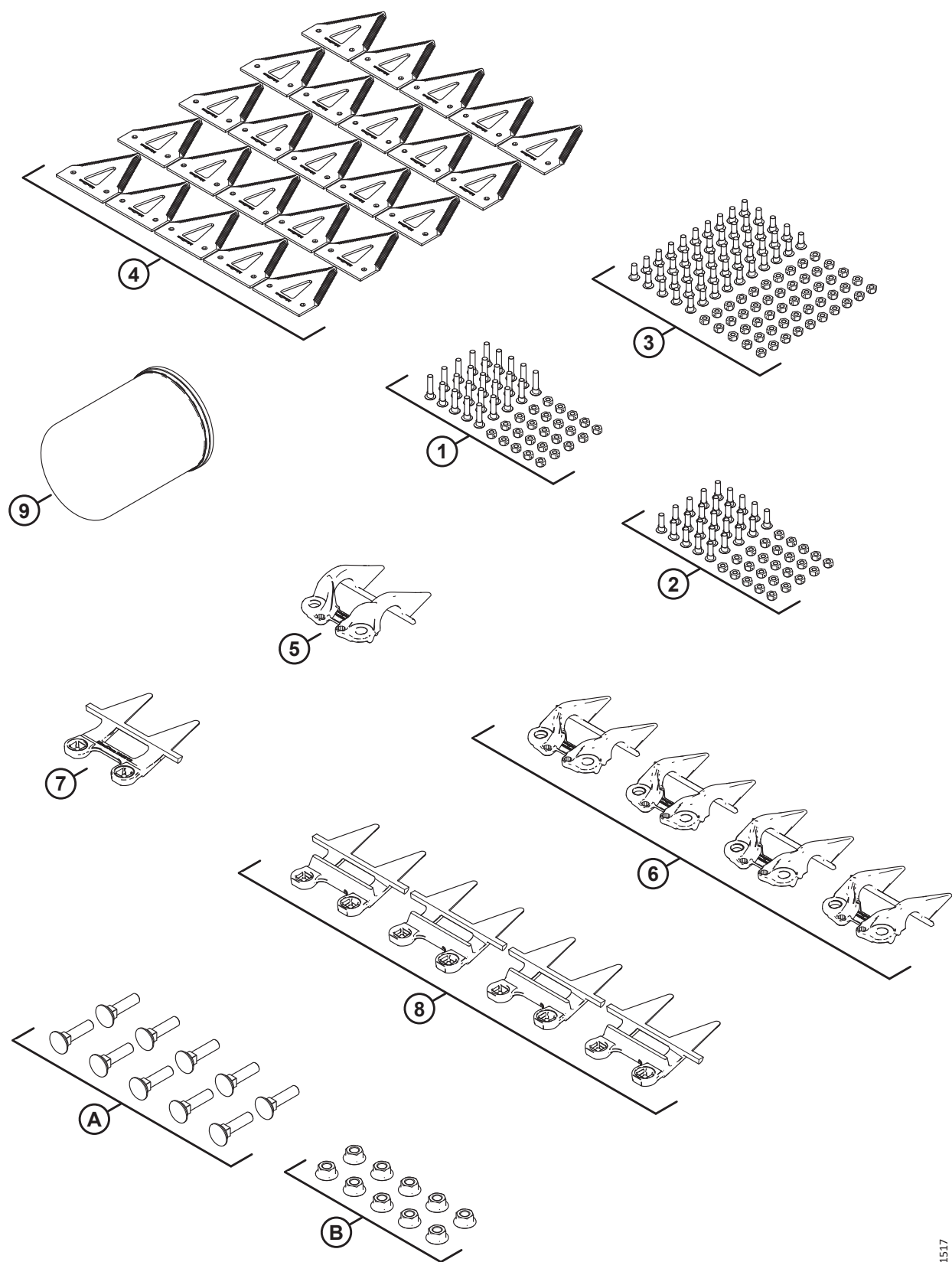
(OPTION) SERVICE KIT – POINTED GUARDS, FINE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7157	KIT – SERVICE, POINTED, FINE ⁴³⁵		
	311791	KIT – D2 SERVICE PTD FINE ⁴³⁶		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	1	
4	286462	SECTION – CLEARCUT FINE 25PK	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		

435. Kits are available through Whole Goods only.

436. The kit includes all listed parts.

131 (Option) Service Kit – PlugFree™ Guards, Fine Knives



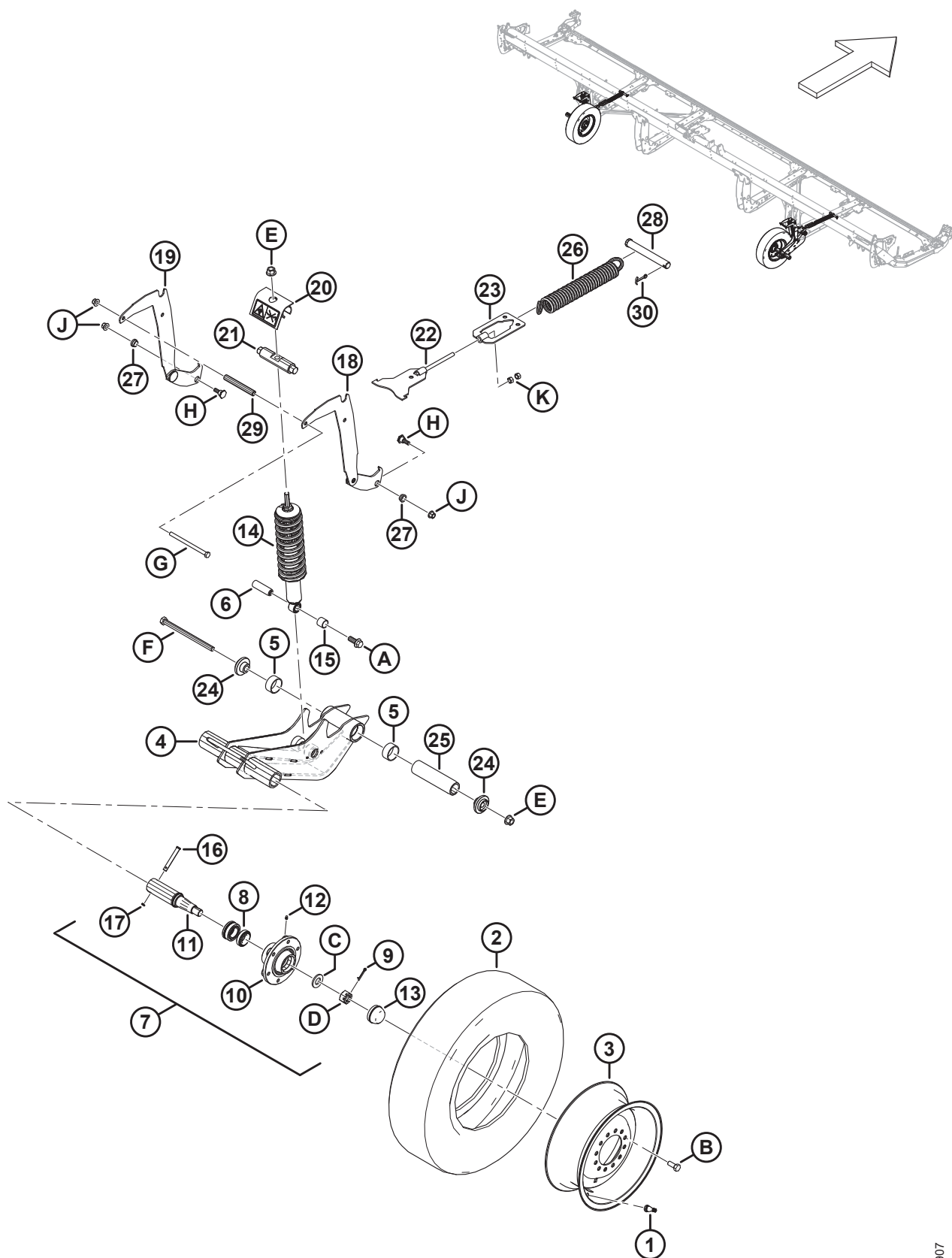
(OPTION) SERVICE KIT – PLUGFREE™ GUARDS, FINE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7158	KIT – SERVICE, PLUGFREE, FINE ⁴³⁷		
	311792	KIT – D2 SERVICE KIT PF FINE ⁴³⁸		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	1	
4	286462	SECTION – CLEARCUT FINE 25PK	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		

437. Kits are available through Whole Goods only.

438. The kit includes all listed parts.

132 (Option) Stabilizer Wheels



(OPTION) STABILIZER WHEELS

NOTE:

The Stabilizer Wheels Kit (C2171) is compatible with D230, D235, and D241 headers only.

Ref	Part Number	Description	Qty	Serial Number
	C2171	STABILIZER WHEELS – KIT ⁴³⁹		
	B7398	KIT – TIRES, 225/75R15 LRF ⁴³⁹		
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 ⁴⁴⁰	2	
	144531	WHEEL – 15 X 6 LB ⁴⁴¹	A/R	
	327802	DECAL – TIRE PRESSURE, 655 KPA (95 PSI) ⁴⁴²	2	
	327717	DECAL – TIRE PRESSURE, 552 KPA (80 PSI) ⁴⁴³	A/R	
	B6460	KIT – STABILIZER WHEELS ⁴³⁹		
4	327682	ASSY – PIVOT ARM ⁴⁴⁴	2	
5	327600	BUSHING – COMPOSITE	4	
6	316793	PIN	2	
7	316330	ASSY – HUB ⁴⁴⁵	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 ⁴⁴⁶	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 ⁴⁴⁷	2	

439. Kits are available through Whole Goods only.

440. Wheel (MD #327807) is used with tire (MD #327808).

441. 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).

442. Tire pressure decal (MD #327802) (655 kPa [95 psi]) is used with tire (MD #327808).

443. Tire pressure decal (MD #327717) (552 kPa [80 psi]) remains available as a service part for superseded tire (MD #230483).

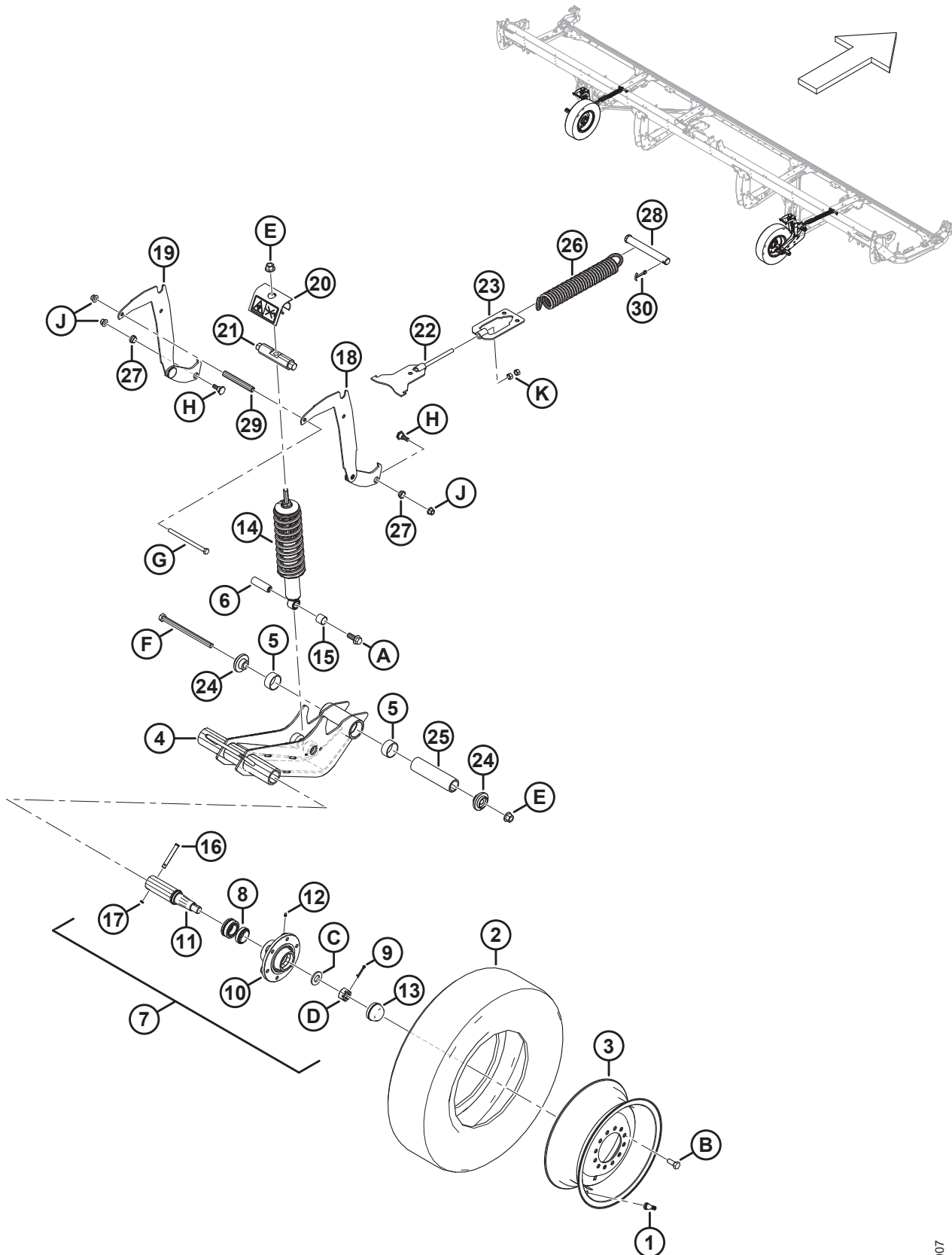
444. The pivot arm assembly includes two composite bushings (MD #327600).

445. 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).

446. The dampener includes composite bushing (MD #133992).

447. The anti-pry assembly includes energy release decal (MD #327086).

(OPTION) STABILIZER WHEELS

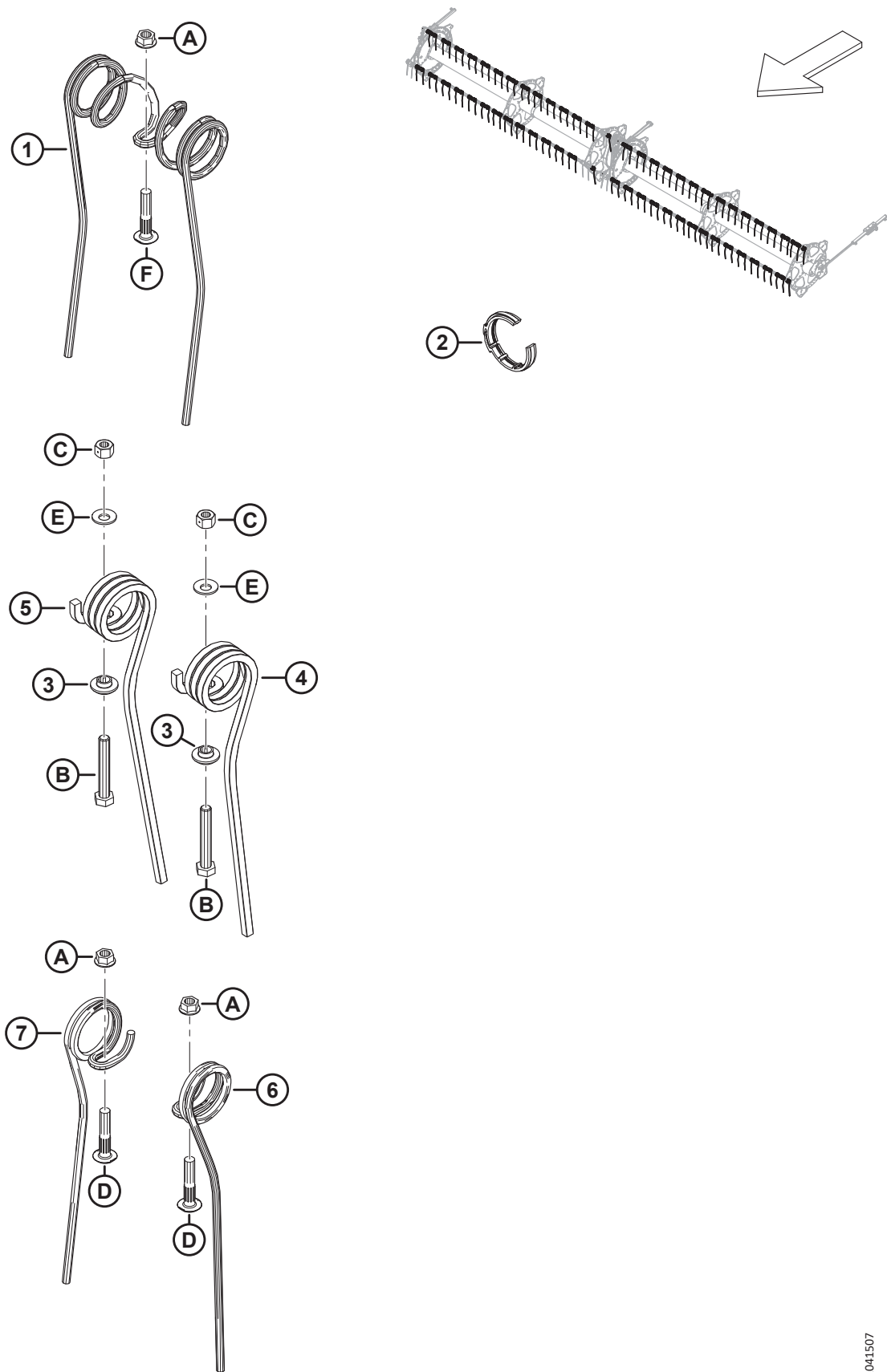


1034907

(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		

133 (Option) Steel Finger Kit



(OPTION) STEEL FINGER KIT

Ref	Part Number	Description	Qty	Serial Number
	360676	KIT – STEEL FINGER, 15 FT SR, 6 BAT ⁴⁴⁸		
	360677	KIT – STEEL FINGER, 15 FT SR, 9 BAT ⁴⁴⁸		
	360678	KIT – STEEL FINGER, 20 FT SR, 6 BAT ⁴⁴⁸		
	360685	KIT – STEEL FINGER, 20 FT SR, 9 BAT ⁴⁴⁸		
	360679	KIT – STEEL FINGER, 25 FT SR, 6 BAT ⁴⁴⁸		
	360680	KIT – STEEL FINGER, 25 FT SR, 9 BAT ⁴⁴⁸		
	311054	KIT – STEEL FINGER, 30 FT DR, 5 BAT ⁴⁴⁸		
	311055	KIT – STEEL FINGER, 30 FT DR, 6 BAT ⁴⁴⁸		
	311068	KIT – STEEL FINGER, 35 FT DR, 5 BAT ⁴⁴⁸		
	311069	KIT – STEEL FINGER, 35 FT DR, 6 BAT ⁴⁴⁸		
1	137092	FINGER ⁴⁴⁹		
2	220941	CLAMP – TINE TUBE BUSHING - CENTER RIB (BOX OF 5) ⁴⁵⁰		
3	273052	RETAINER – END FINGER ⁴⁵¹		
4	311321	FINGER – TAIL END OUTBOARD ⁴⁵²		
5	311322	FINGER – TAIL END INBOARD ⁴⁵³		
6	137754	FINGER – RH SINGLE CONCENTRIC ⁴⁵⁴		
7	137519	FINGER – LH SINGLE CONCENTRIC ⁴⁵⁵		
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		

448. The kit includes all listed parts and instructions. Refer to the footnotes on individual service parts for quantities.

449. Quantities: D215 SR 6 Bat = 84, D215 SR 9 Bat = 126, D220 SR 6 Bat = 96, D220 SR 9 Bat = 144, D225 SR 6 Bat = 135, D225 SR 9 Bat = 190, D230 DR 5 Bat = 135, D230 DR 6 Bat = 135, D235 DR 5 Bat = 143, D235 DR 6 Bat = 171.

450. Quantities: D215 SR 6 Bat = 4, D215 SR 9 Bat = 6, D220 SR 6 Bat = 5, D220 SR 9 Bat = 8, D225 SR 6 Bat = 6, D225 SR 9 Bat = 9, D230 DR 5 Bat = 6, D230 DR 6 Bat = 8, D235 DR 5 Bat = 8, D235 DR 6 Bat = 10.

451. Quantities: D215 SR 6 Bat = 6, D215 SR 9 Bat = 9, D220 SR 6 Bat = 6, D220 SR 9 Bat = 9, D225 SR 6 Bat = 6, D225 SR 9 Bat = 9, D230 DR 5 Bat = 10, D230 DR 6 Bat = 12, D235 DR 5 Bat = 10, D235 DR 6 Bat = 12.

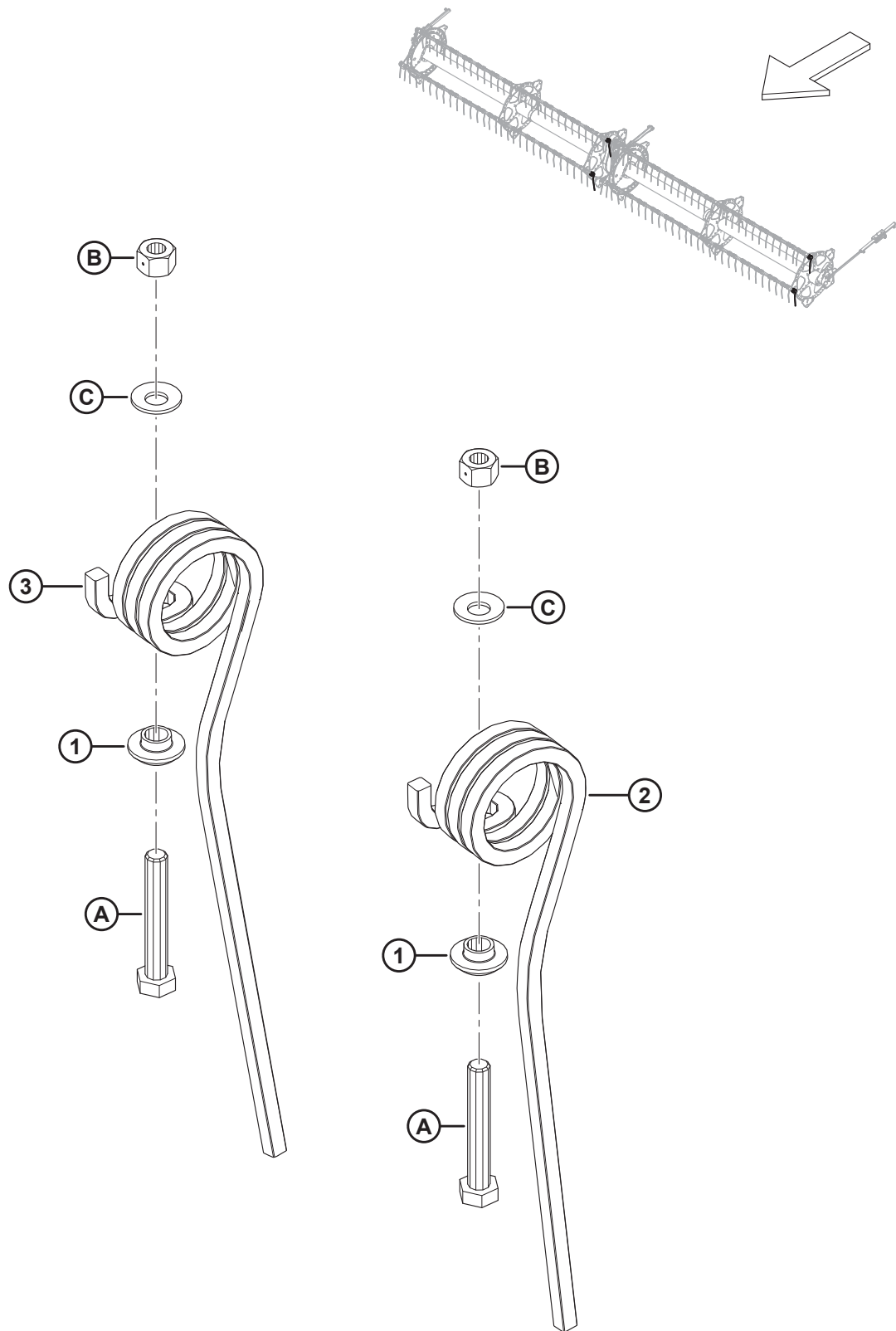
452. Quantities: D215 SR 6 Bat = 6, D215 SR 9 Bat = 9, D220 SR 6 Bat = 6, D220 SR 9 Bat = 9, D225 SR 6 Bat = 6, D225 SR 9 Bat = 9, D230 DR 5 Bat = 5, D230 DR 6 Bat = 6, D235 DR 5 Bat = 5, D235 DR 6 Bat = 6.

453. Quantities: D215 SR 6 Bat = 0, D215 SR 9 Bat = 0, D220 SR 6 Bat = 0, D220 SR 9 Bat = 0, D225 SR 6 Bat = 0, D225 SR 9 Bat = 0, D230 DR 5 Bat = 5, D230 DR 6 Bat = 6, D235 DR 5 Bat = 5, D235 DR 6 Bat = 6.

454. Quantities: D215 SR 6 Bat = 3, D215 SR 9 Bat = 4, D220 SR 6 Bat = 18, D220 SR 9 Bat = 25, D225 SR 6 Bat = 12, D225 SR 9 Bat = 9, D230 DR 5 Bat = 4, D230 DR 6 Bat = 6, D235 DR 5 Bat = 18, D235 DR 6 Bat = 24.

455. Quantities: D215 SR 6 Bat = 0, D215 SR 9 Bat = 0, D220 SR 6 Bat = 30, D220 SR 9 Bat = 47, D225 SR 6 Bat = 9, D225 SR 9 Bat = 34, D230 DR 5 Bat = 10, D230 DR 6 Bat = 12, D235 DR 5 Bat = 30, D235 DR 6 Bat = 36.

134 (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 ⁴⁵⁶		
	311972	KIT – STEEL END FINGER, INBOARD ⁴⁵⁷		
1	273052	RETAINER – END FINGER	1	
2	311321	FINGER – TAIL END OUTBOARD ⁴⁵⁸		
3	311322	FINGER – TAIL END INBOARD ⁴⁵⁹		
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		

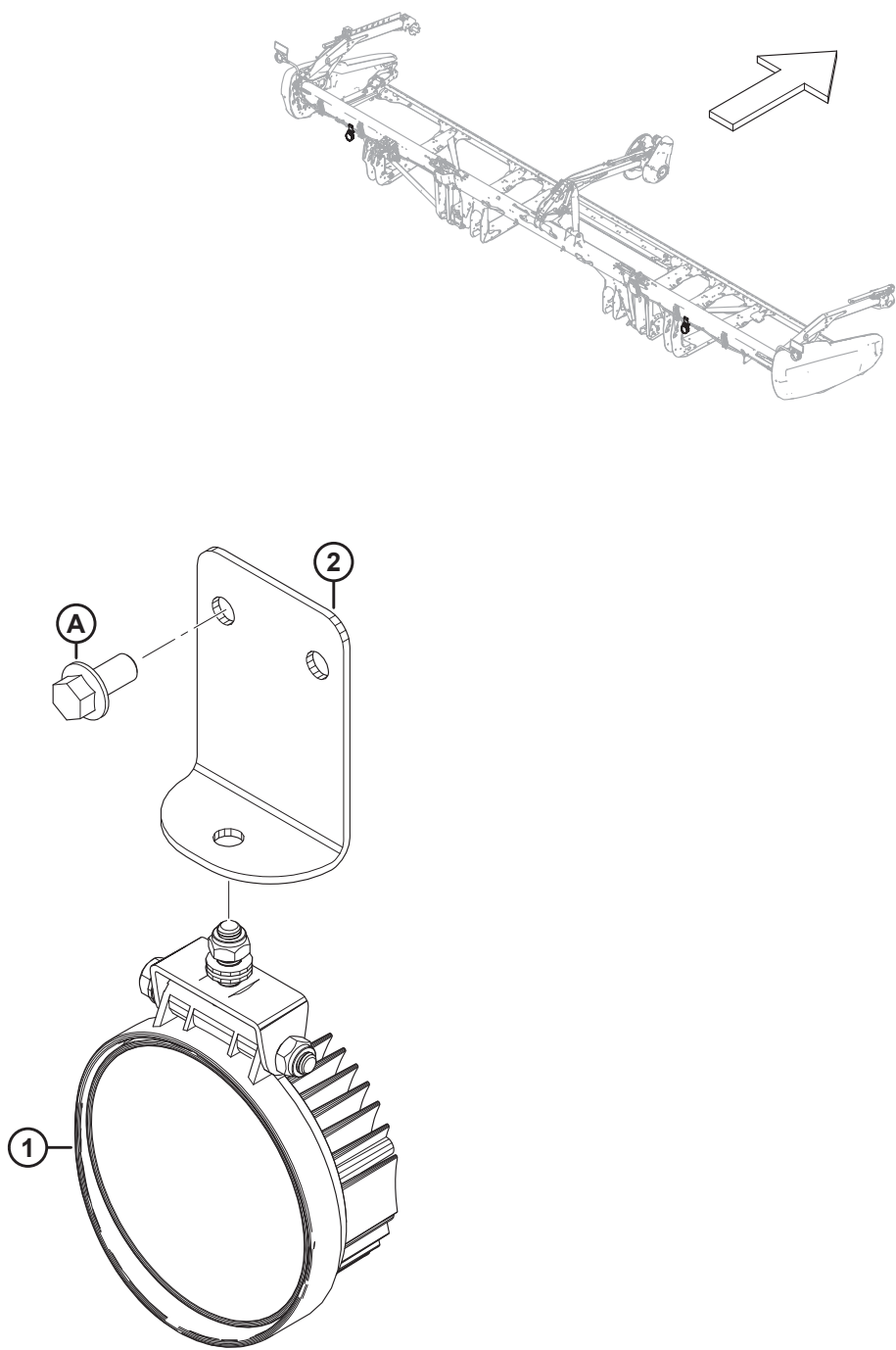
456. The Outboard Steel End Finger Kit includes one tail end outboard steel finger (MD #311321), all listed hardware, and instructions.

457. The Inboard Steel End Finger Kit includes one tail end inboard steel finger (MD #311322), all listed hardware, and instructions.

458. Quantities: kit MD #311959 = 1, kit MD #311972 = 0.

459. Quantities: kit MD #311959 = 0, kit MD #311972 = 1.

135 (Option) Stubble Lights



(OPTION) STUBBLE LIGHTS

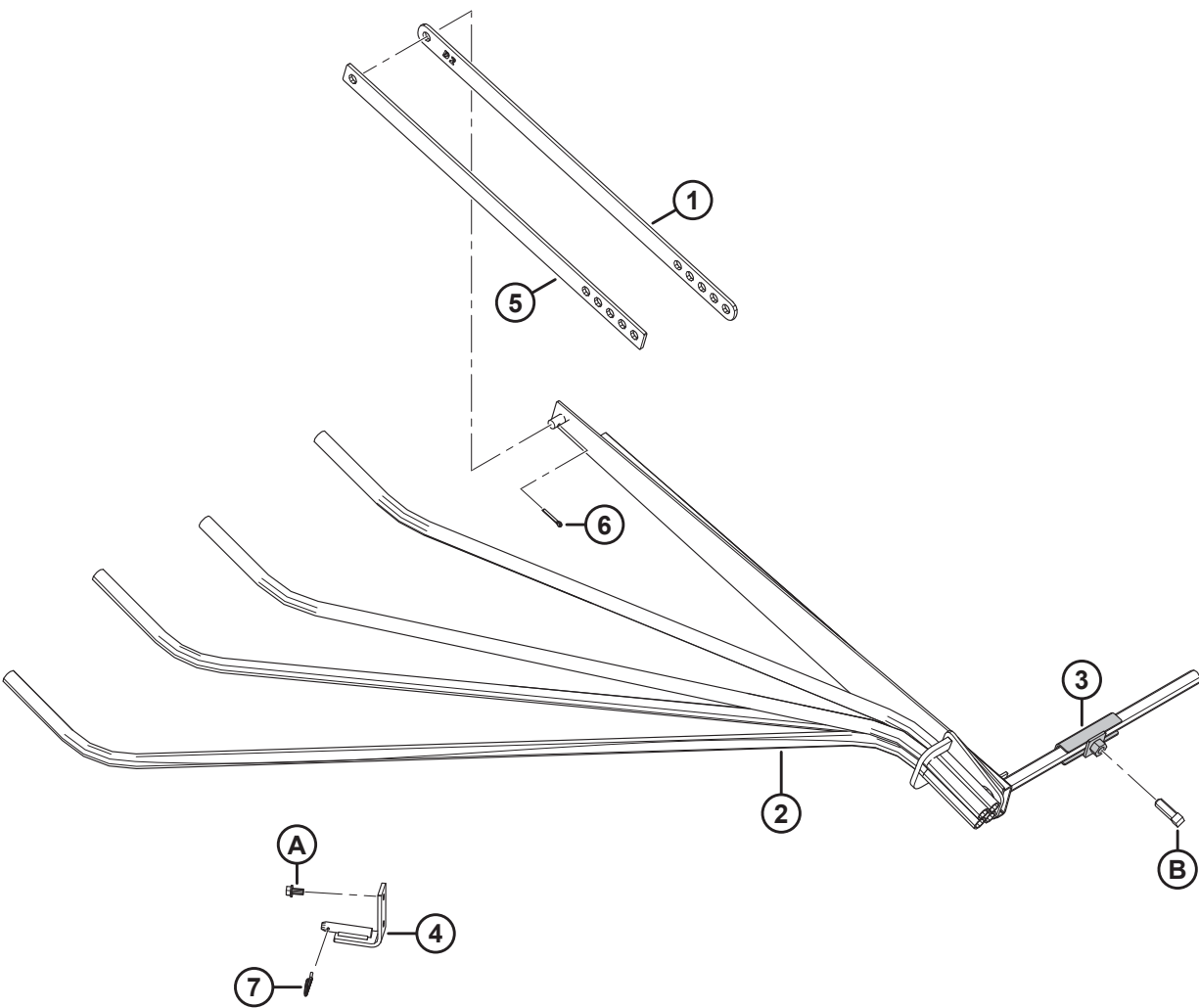
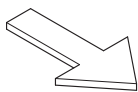
NOTE:

The Stubble Lights kit (B7575) is used only with M1 or M2 Series Windrowers and is compatible with D225, D230, D235, and D241 headers only.

Ref	Part Number	Description	Qty	Serial Number
	B7575	KIT – STUBBLE LIGHTS ⁴⁶⁰		
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		

460. Kits are available through Whole Goods only.

136 (Option) Swath Forming Rods – Center Delivery

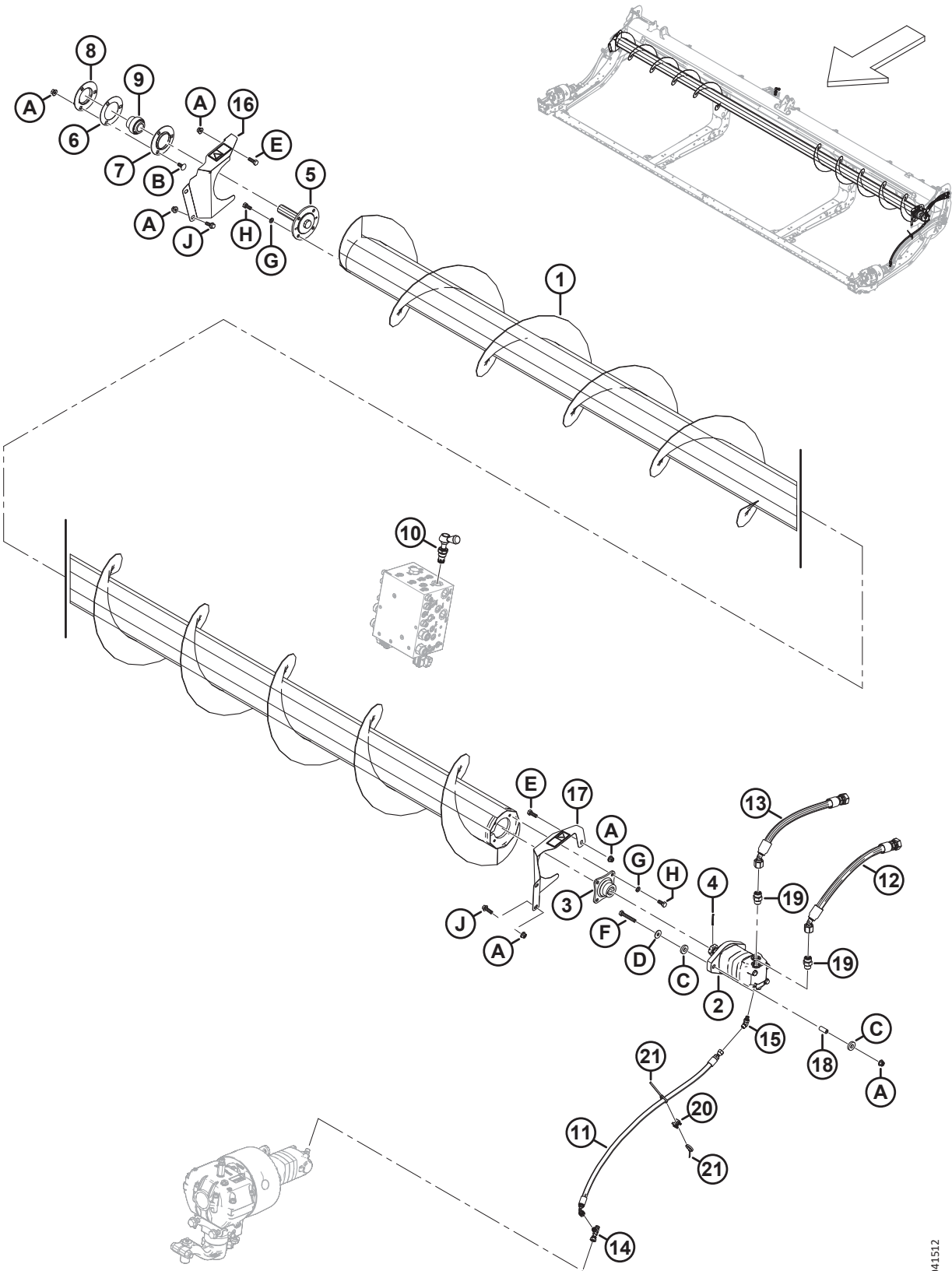


(OPTION) SWATH FORMING RODS – CENTER DELIVERY

Ref	Part Number	Description	Qty	Serial Number
	B7383	KIT – D1-D2 CTR SWATH FORMING RODS ⁴⁶¹		
1	360516	BAR – FORMING ROD LINK	2	
2	172046	TUBE – FORMING ROD WELDT, RH	1	
	172025	TUBE – FORMING ROD WELDT, LH	1	
3	132107	CHANNEL WELDT ROD RETAINER	2	
4	132101	LUG WELDT – FORMING ROD SUPT	2	
5	132094	BAR – FORMING ROD LINK	2	
6	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
7	13125	PIN – HAIR	2	
A	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
B	21344	SCREW – SET CUP POINT 5 8-11 X 1.75		

461. Kits are available through Whole Goods only.

137 (Option) Upper Cross Auger – One-Piece Auger (D215 and D220)



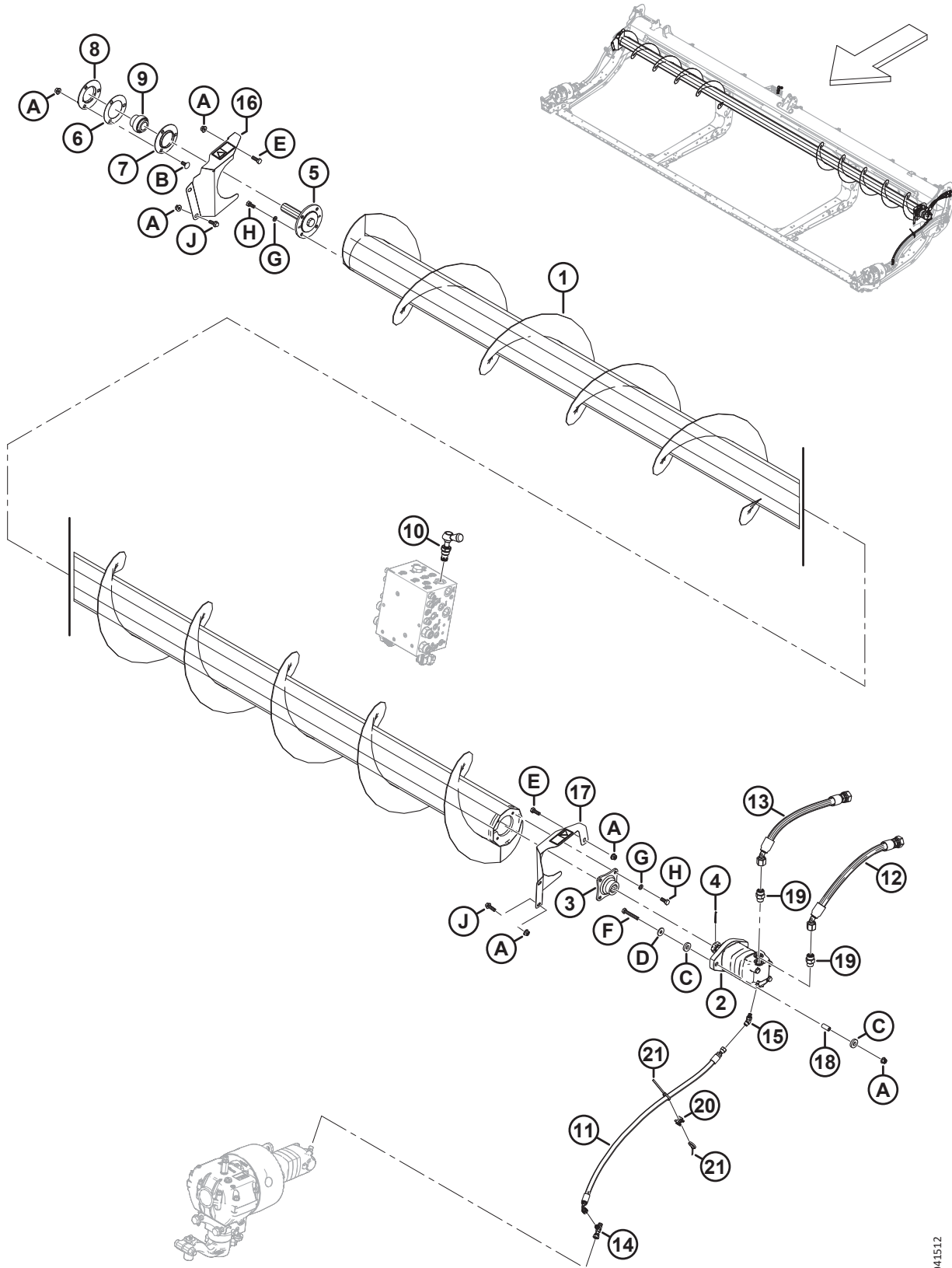
1041512

(OPTION) UPPER CROSS AUGER – ONE-PIECE AUGER (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
	B7290	KIT – D215 UPPER CROSS AUGER ⁴⁶²		
	B7291	KIT – D220 UPPER CROSS AUGER ⁴⁶²		
1	360217	AUGER – WELDT 15FT	1	
	360218	AUGER – WELDT 20FT	1	
2	283555	MOTOR – HYD-100CC SAE B	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0 -20 UNEF		
3	233443	HUB – WELDT	1	
4	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
5	360235	HUB – MACHINED	1	
6	172340	SHIM	1	
7	49306	FLANGE	1	
8	30661	FLANGE	1	
9	21859	BEARING – SPH OD EXT INNER RACE 1 3/16 BORE	1	
10	283571	VALVE – BYPASS	1	
	245158	SEAL KIT		
11	283077	HOSE – HYD	1	
12	283062	HOSE – HYD	1	
13	283061	HOSE – HYD	1	
14	252621	FITTING – TEE HYD	1	
	135957	O-RING – 1.78 X 7.65		
15	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – 1.83 X 8.92		
	135957	O-RING – 1.78 X 7.65		
16	233725	SHIELD – ASSEMBLY RH C/W DECAL	1	
17	233724	SHIELD – ASSEMBLY LH C/W DECAL	1	
18	233445	SPACER	2	
19	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – 2.46 X 19.18		
	135867	O-RING – 1.78 X 15.60		
20	134442	SPACER – DUAL SWIVEL SADDLE	1	
21	21763	FASTENER – CABLE TIE, BLACK	2	
	302204	DECAL – CA PROPOSITION 65	1	
	233745	DECAL – UCA VALVE	1	
	279085	DECAL – WARNING, AUGER	2	
A	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
B	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
C	233446	WASHER – RUBBER		
D	184712	WASHER – FLAT LARGE M10-200HV		
E	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
F	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
G	30632	WASHER – LOCK SPRING M10		

462. Kits are available through Whole Goods only.

(OPTION) UPPER CROSS AUGER – ONE-PIECE AUGER (D215 AND D220)

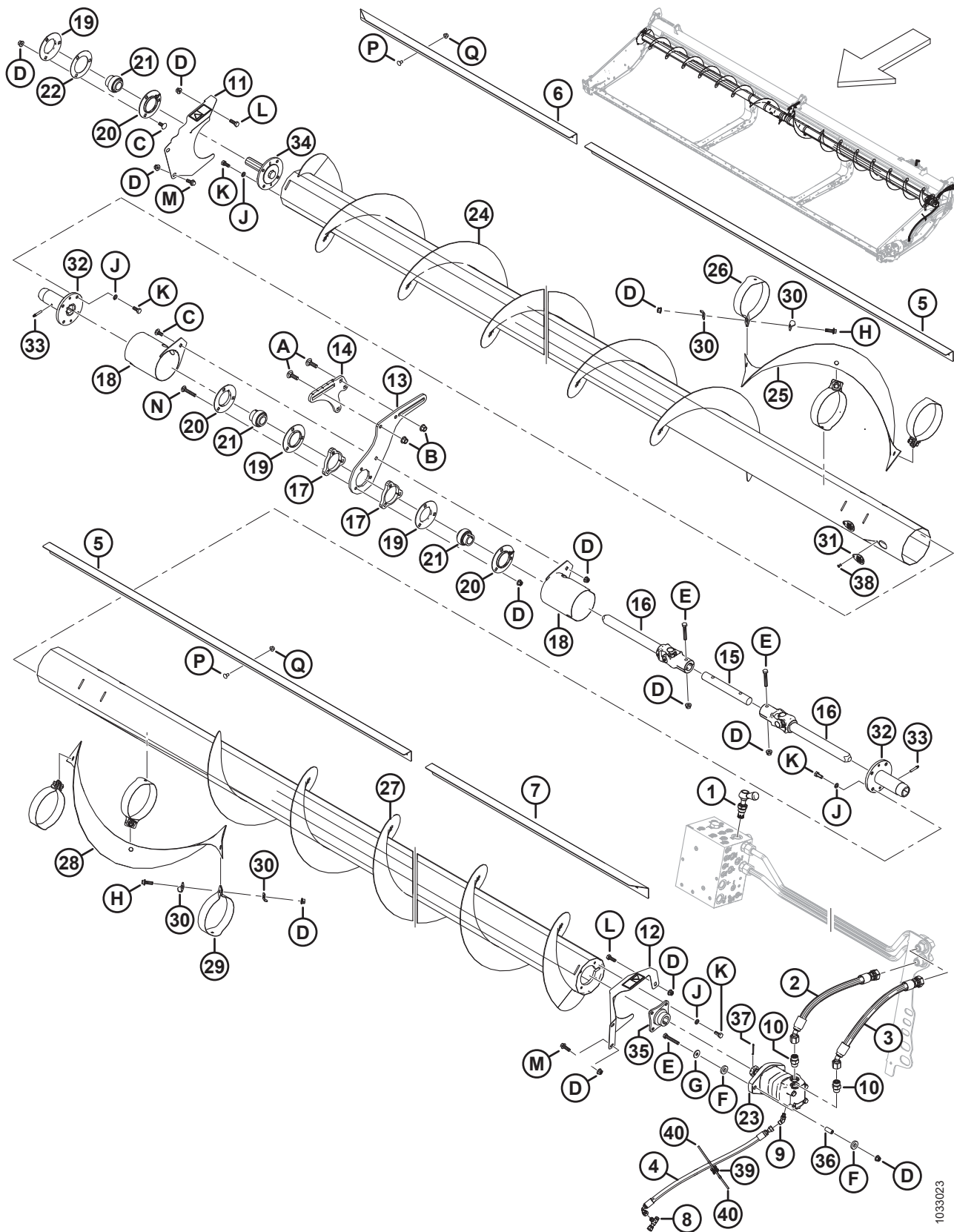


1041512

(OPTION) UPPER CROSS AUGER – ONE-PIECE AUGER (D215 AND D220)

Ref	Part Number	Description	Qty	Serial Number
H	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
J	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		

138 (Option) Upper Cross Auger – Two-Piece Auger (D225, D230, D235, and D241)



1033023

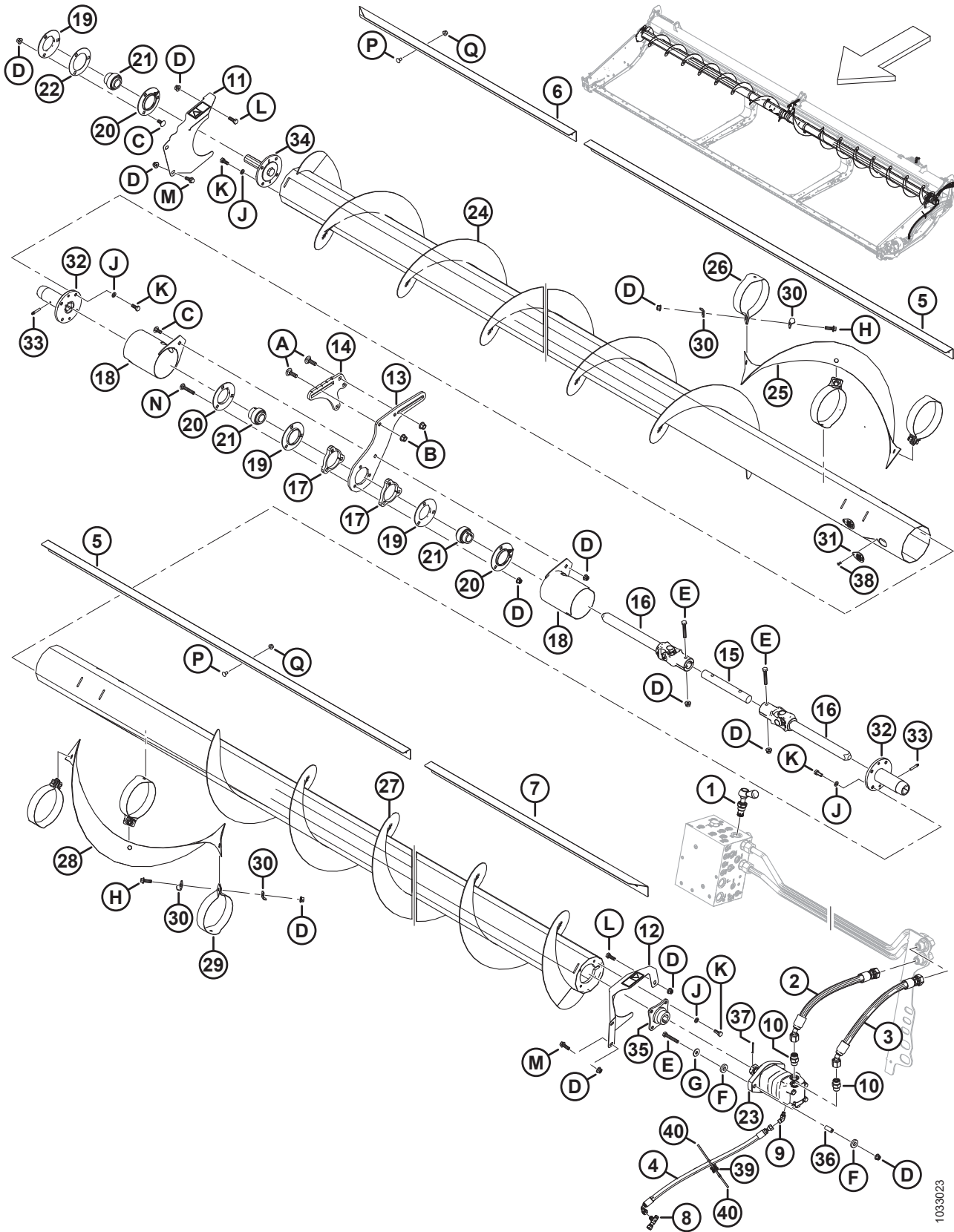
(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
	B6413	KIT – D225 UPPER CROSS AUGER ⁴⁶³		
	B6414	KIT – D230 UPPER CROSS AUGER ⁴⁶³		
	B6415	KIT – D235 UPPER CROSS AUGER ⁴⁶³		
	B6416	KIT – D241 UPPER CROSS AUGER ⁴⁶³		
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 ⁴⁶⁴	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	233725	SHIELD – ASSEMBLY RH C/W DECAL	1	
12	233724	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		

463. Kits are available through Whole Goods only.

464. Inboard deflectors (MD #275521) are not used on D225 headers.

(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (D225, D230, D235, AND D241)

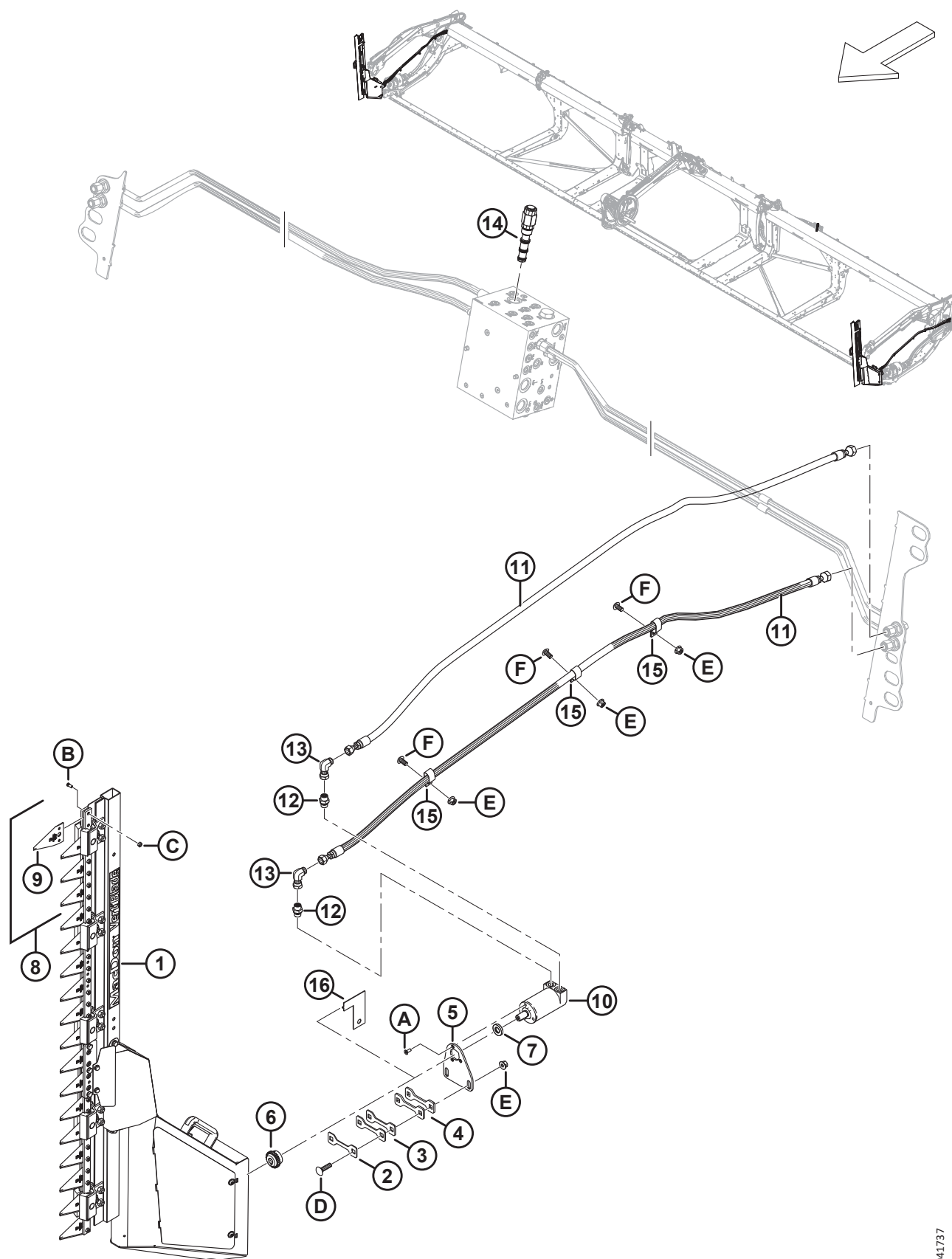


1033023

(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
24	233654	AUGER – WELDT RH 25 FT	1	
	233656	AUGER – WELDT RH 30 FT	1	
	233658	AUGER – WELDT RH 35 FT	1	
	233660	AUGER – WELDT RH 41 FT	1	
25	233705	FLIGHTING – RH	1	
26	233621	STRAP – RH	3	
27	233655	AUGER – WELDT LH 25 FT	1	
	233657	AUGER – WELDT LH 30 FT	1	
	233659	AUGER – WELDT LH 35 FT	1	
	233661	AUGER – WELDT LH 41 FT	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 SFAFT	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	
	302204	DECAL – CA PROPOSITION 65	1	
	233745	DECAL – UCA VALVE	1	
	279085	DECAL – WARNING, AUGER	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		

139 (Option) VertiBlade™ Vertical Knife Kit



(OPTION) VERTIBLADE™ VERTICAL KNIFE KIT

Ref	Part Number	Description	Qty	Serial Number
	B7029	KIT – VERTIBLADE VERTICAL KNIVES ⁴⁶⁵		
	B7464	KIT – VERTICAL KNIFE COMPONENTS ⁴⁶⁶		
	B7466	KIT – VERTICAL KNIFE ⁴⁶⁷		
1	313502	KNIFE – VERTICAL ASSEMBLY, RH ⁴⁶⁸	1	
	313501	KNIFE – VERTICAL ASSEMBLY, LH ⁴⁶⁸	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 ⁴⁶⁹	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) ⁴⁷⁰	1	
	283579	SEAL KIT		
15	135235	CLAMP – DOUBLE HOSE INSULATED	6	
16	313780	GUIDE – VERTICAL KNIFE ⁴⁷¹	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		

465. Kits are available through Whole Goods only.

466. 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.

467. 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.

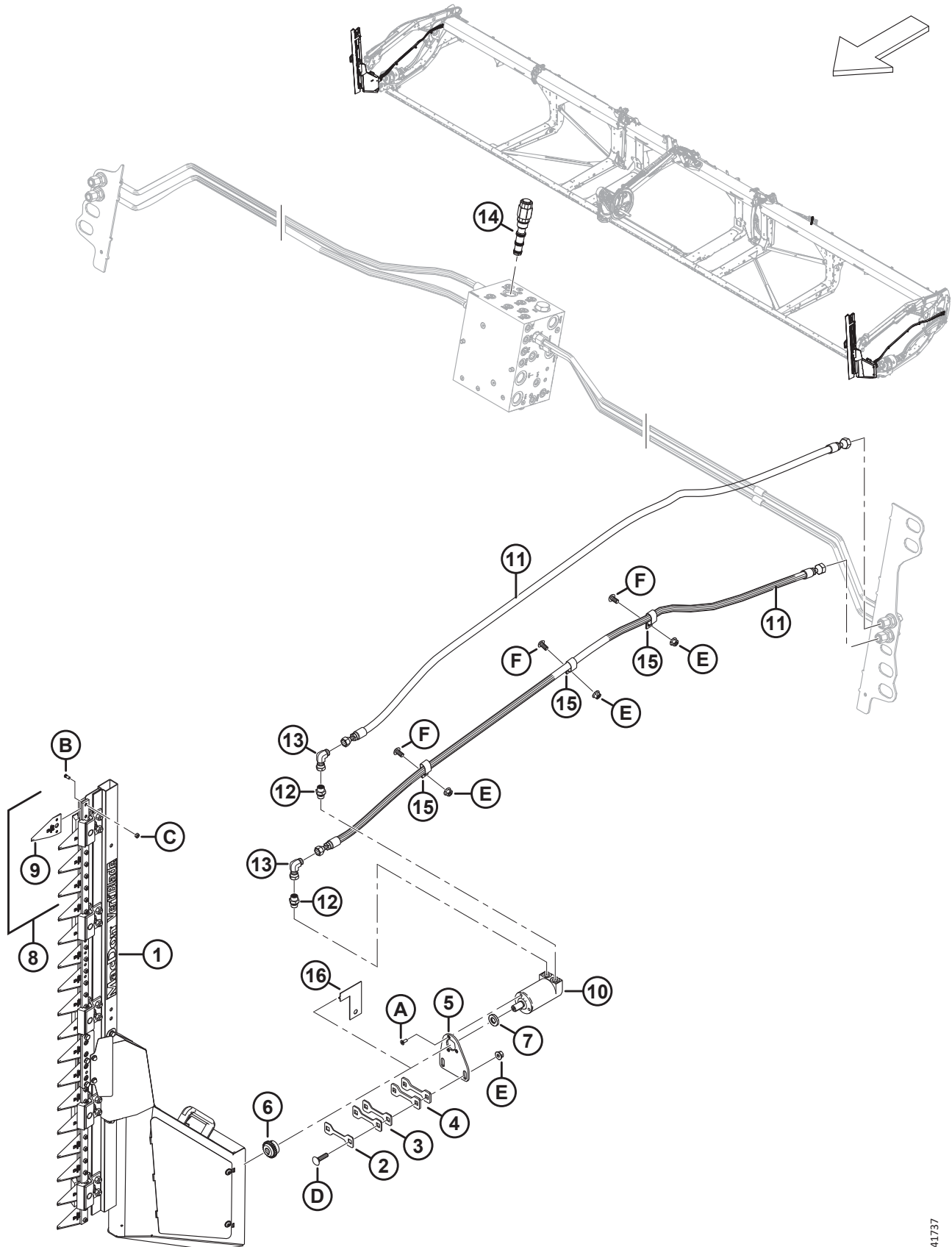
468. For vertical knife components, refer to Section [140 \(Option\) VertiBlade™ Vertical Knife Components, page 337](#).

469. The kit includes four vertical knife sections (MD #313788), eight vertical knife section screws (MD #313789), and eight vertical knife section nuts (MD #313790).

470. Connects to port FRRV.

471. 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

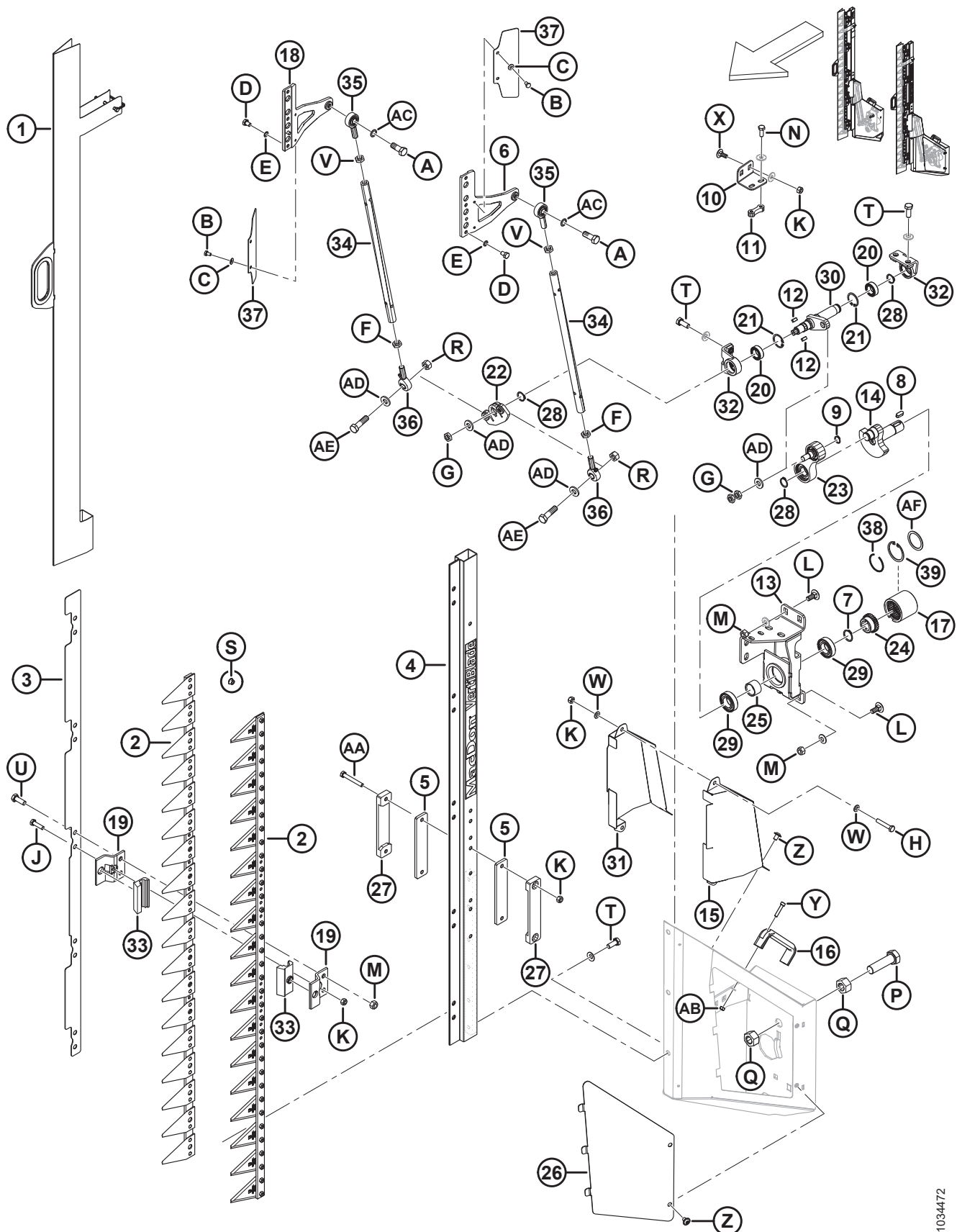


1041737

(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		

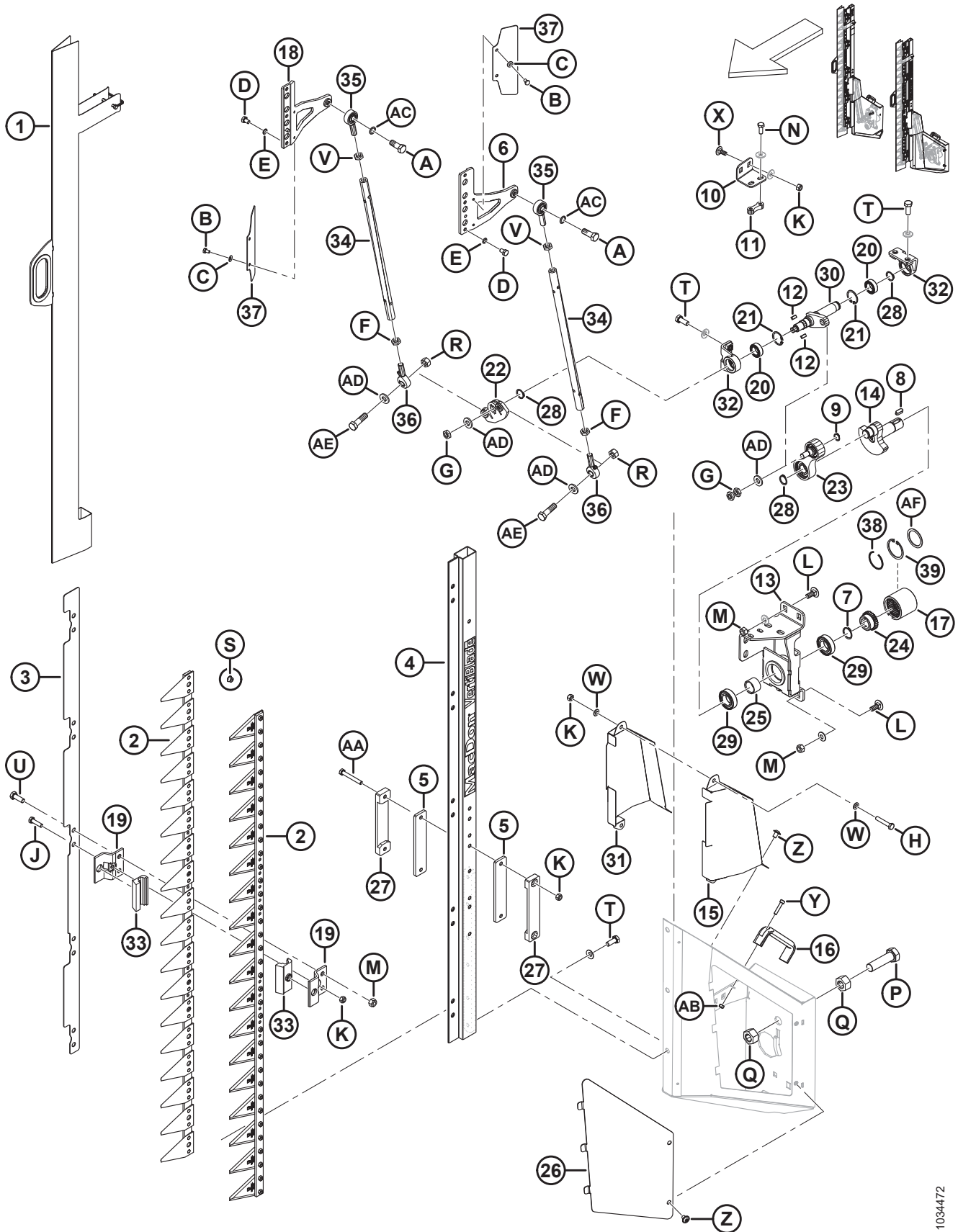
140 (Option) VertiBlade™ Vertical Knife Components



(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



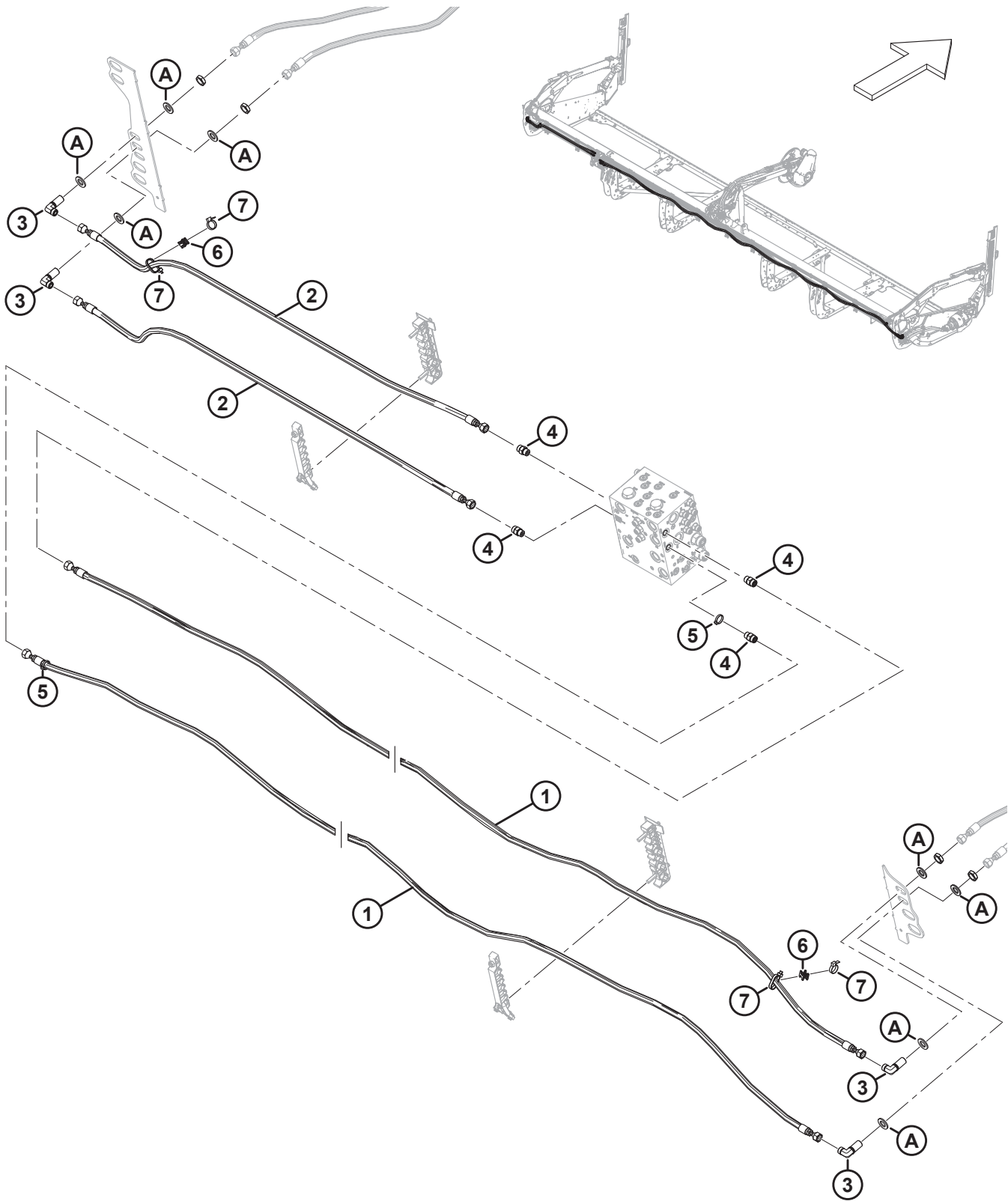
1034472

(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
37	313839	DEFLECTOR	4	
38	340077	RING – RETAINING ⁴⁷²	1	
39	340078	RING – INTERNAL ⁴⁷²	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 ⁴⁷²		

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

141 (Option) VertiBlade™ Vertical Knife Hydraulics



1040647

(OPTION) VERTIBLADE™ VERTICAL KNIFE HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
	B7274	KIT – 15 FT. VERTIBLADE PLUMBING PKG ⁴⁷³		
	B7275	KIT – 20 FT. VERTIBLADE PLUMBING PKG ⁴⁷³		
	B7339	KIT – 25 FT. VERTIBLADE PLUMBING PKG ⁴⁷³		
	B7127	KIT – 30 FT. VERTIBLADE PLUMBING PKG ⁴⁷³		
	B7128	KIT – 35 FT. VERTIBLADE PLUMBING PKG ⁴⁷³		
	B7130	KIT – 41 FT. VERTIBLADE PLUMBING PKG ⁴⁷³		
1	323636	HOSE – HYDRAULIC (D215) ⁴⁷⁴	2	
	323856	HOSE – HYDRAULIC (D220) ⁴⁷⁵	2	
	323357	HOSE – HYDRAULIC (D225) ⁴⁷⁶	2	
	311807	HOSE – HYDRAULIC (D230) ⁴⁷⁷	2	
	311810	HOSE – HYDRAULIC (D235) ⁴⁷⁸	2	
	311815	HOSE – HYDRAULIC (D241) ⁴⁷⁹	2	
2	323637	HOSE – HYDRAULIC (D215) ⁴⁷⁴	2	
	323855	HOSE – HYDRAULIC (D220) ⁴⁷⁵	2	
	323373	HOSE – HYDRAULIC (D225) ⁴⁷⁶	2	
	311808	HOSE – HYDRAULIC (D230) ⁴⁷⁷	2	
	311811	HOSE – HYDRAULIC (D235) ⁴⁷⁸	2	
	311814	HOSE – HYDRAULIC (D241) ⁴⁷⁹	2	
3	136244	FITTING – ELBOW 90° BULKHEAD HYD ⁴⁸⁰	4	
	135866	O-RING – Ø1.78 X Ø12.42		
4	135780	FITTING – ADAPTER	4	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
5	252795	FASTENER – CABLE TIE, PINK	4	
6	134442	SPACER – DUAL SWIVEL SADDLE	2	
7	30753	FASTENER – CABLE TIE, BLACK	4	
	136438	FITTING – ELBOW 45° HYD (NOT ILLUSTRATED) ⁴⁸¹	2	
A	18601	WASHER – FLAT SAE		

473. The kit includes all listed parts to make the header vertical knife (VertiBlade™) ready if not factory configured. Kits are available through Whole Goods only.

474. Used for D215 headers.

475. Used for D220 headers.

476. Used for D225 headers.

477. Used for D230 headers.

478. Used for D235 headers.

479. Used for D241 headers.

480. The fitting includes a securing nut.

481. This elbow fitting is included in the kit but is used only on headers configured for M Series Windrowers.

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