Model 972
Harvest Header
and
742 Hay Conditioner

UNLOADING &
ASSEMBLY INSTRUCTIONS

Form 46438
Supplement to O.M. 46290
Issue 05/06

UNLOADING & ASSEMBLY

PREPARE TO UNLOAD

CAUTION: To avoid injury to bystanders from being struck by machinery, do not allow persons to stand in unloading area.

1. Move trailer into position and block trailer wheels.

2. Lower trailer storage stands.

UNLOADING EQUIPMENT

CAUTION: Unloading equipment must meet or exceed specified requirements. Using inadequate equipment may result in vehicle tipping, chain breakage, or machine damage.

LIFTING VEHICLE REQUIREMENTS

Use a lifting vehicle with minimum 8000 lb. (3630 kg) lifting capacity and a minimum 15 ft. (4.5 m) lifting height.

CHAIN REQUIREMENTS

Use overhead lifting quality chain (1/2 in.) with minimum 5000 lb. (2270 kg) working load limit.

UNLOADING & ASSEMBLY

UNLOAD HEADER

WARNING: Do not unload header by lifting at cutterbar. This will cause header to swing or tilt, as one side of the header is heavier than the other.

WARNING: Be sure forks are secure before moving away from load. Stand clear when lifting.

NOTE: Shipping damage or shortage must be noted on the trucking company's copy of the bill of lading. Once the bill of lading is signed, dealer is liable for any damage or shortage not noted.

1. Approach header from either its "topside" or "underside". Drive forward as far as possible, with the forks underneath the lifting framework. Take care not to bend parts on back tube.

2. Remove hauler's tie down straps and chains.

3. Raise header off deck, back up until unit clears trailer and slowly lower to 6 inches (150 mm) from ground.

4. Take to storage or set-up area.

5. Set machine down securely on level ground. Check for shipping damage and missing parts.

UNLOADING WINDROWER FROM TOPSIDE

UNLOADING WINDROWER FROM UNDERSIDE

UNLOADING & ASSEMBLY

PULL HEADER OVER TO FIELD POSITION

NOTE: Before lowering header, remove linkage pins from header legs. These will be required when attaching header to windrower tractor or combine adapter.

1. Drive lifting vehicle to approach header from its "underside".

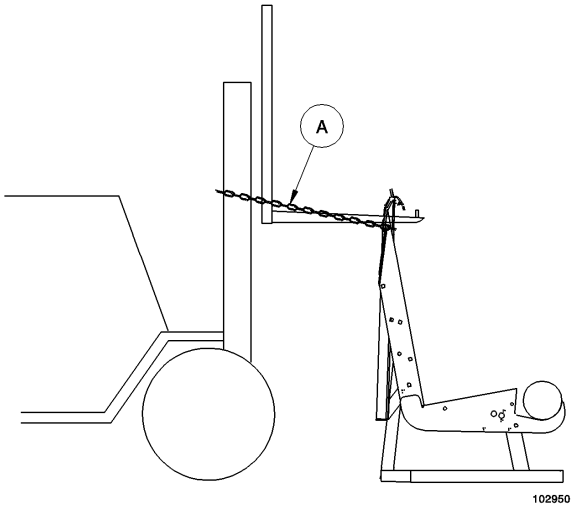
   Engage forks under cutterbar as shown.

   Attach a chain (A) from mast of lifting vehicle to header leg. Use overhead lifting quality chain (1/2 in.) with minimum 5000 lb. (2270 kg) working load limit.

2. Back up slowly while lowering forks until header tips onto forks.

   CAUTION: Stand clear when lowering, as machine may swing.

3. Place 6 inch (150 mm) blocks under each end of cutterbar and lower header onto blocks.



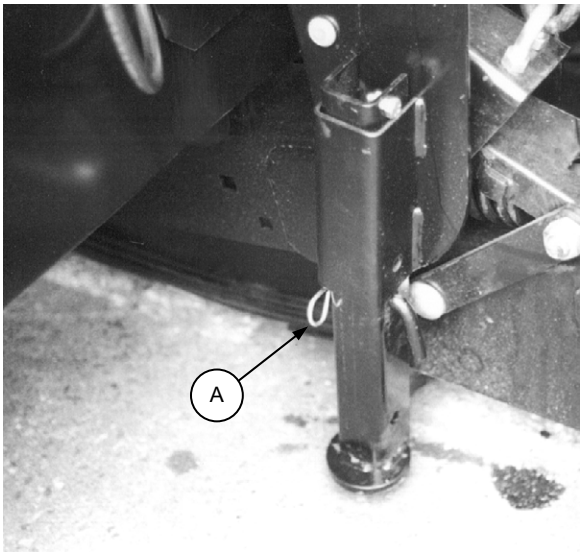
ATTACH CHAIN

SET HEADER SUPPORT STAND

1. Remove chain and move lifting vehicle to rear of header.

2. Attach chain to center link anchor on frame tube, raise rear of header and lower header stand into position (A).

3. Lower header onto stand. Remove shipping stands.
   NOTE: In soft conditions, use a 2x4 block under header stand.



HEADER STAND – LOWERED

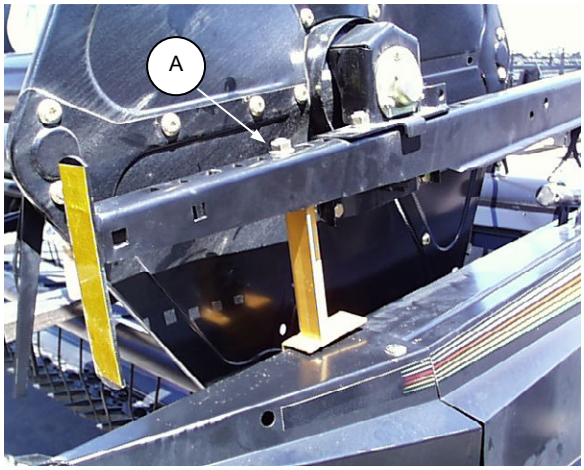
UNLOADING & ASSEMBLY

REEL SUPPORT ARMS – 12’ to 25’ Headers

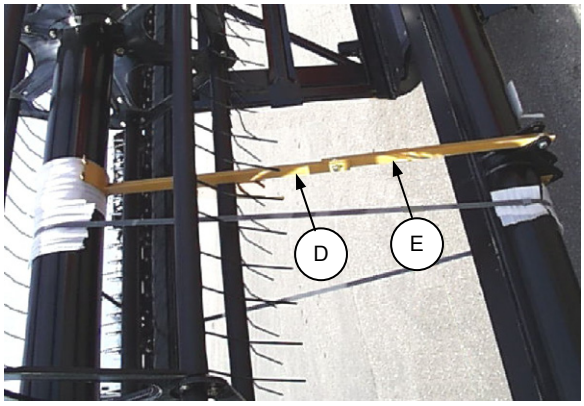
1. Drive forklift to front of header, near center. Place a lifting strap around reel main tube and attach to forklift.
   NOTE: To avoid damage to tube, do not lift with forks directly under reel tube.

2. Remove nuts (A) securing yellow shipping supports to reel support arms, both ends of header. For 25’ headers only, remove yellow reel tube support (D) and angle (E) at center of header. Remove metal banding from reel.

3. Raise the forks slowly to raise reel. Engage reel props and lower forks until reel rests on props. Back the forklift away.



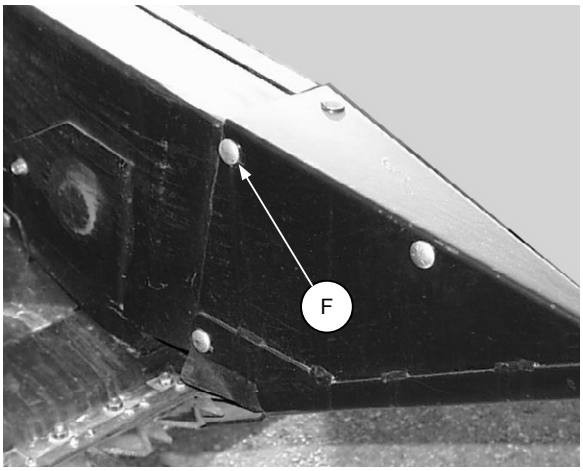
REEL SUPPORT ARMS SHIPPING POSITION



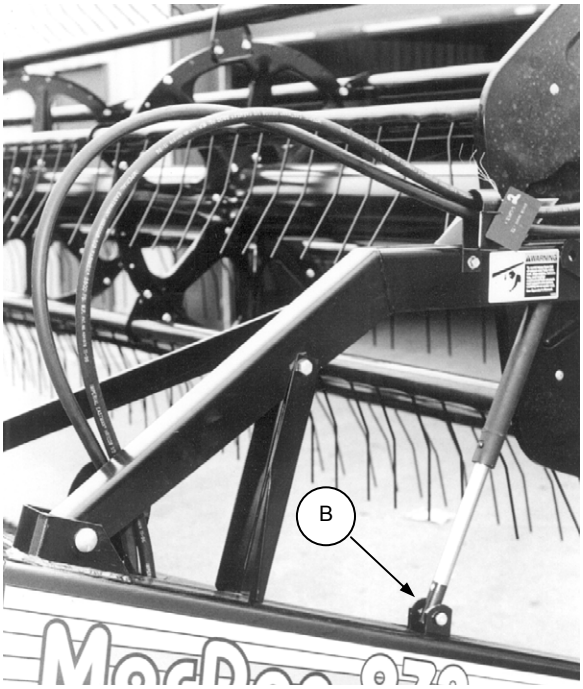
REMOVE CENTER REEL SUPPORT
25’ HEADERS

4. Cut shipping wire securing reel lift cylinders. Attach **rod end of reel lift cylinder to header** at (B) with pins provided.

5. Remove the bolts securing shipping supports to header frame. Discard straps and re-install hardware. Hardware at (F) is installed reversed for ease of access when removing shipping supports. To prevent damage to reel end shields and /or discs, always install carriage head bolts to the inside of header as shown for field use.



INSTALL HARDWARE WITH HEADS IN



REEL SUPPORT ARMS WORKING POSITION

UNLOADING & ASSEMBLY

REEL SUPPORT ARMS – 30' & 36' Split Reel Headers

1. Drive forklift to front of header, centered on the R/H reel. Remember L/H and R/H designations are determined from the rear of the header, facing forward. Place a lifting strap around reel main tube and attach to forklift.
   NOTE: To avoid damage to tube, do not lift with forks directly under reel tube.

2. Remove nuts (A) securing yellow shipping supports to L/H & R/H reel support arms.

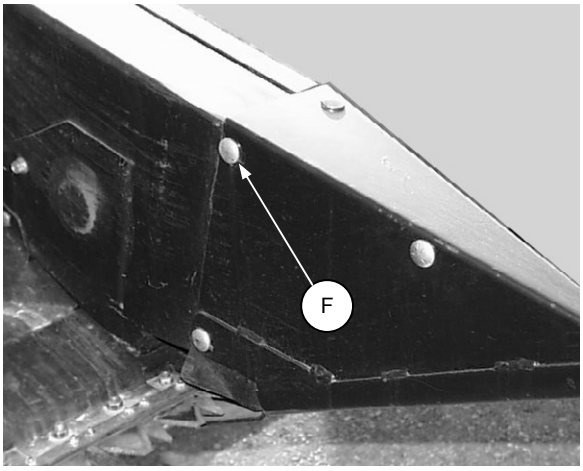
3. At center of header, remove nut securing yellow shipping support (C) to center reel support arm.

4. Raise the forks slowly to raise R/H reel. Engage reel props at R/H end and center support arms and lower forks until reel rests on props.

5. Disengage center reel arm shipping support from cutterbar and discard.

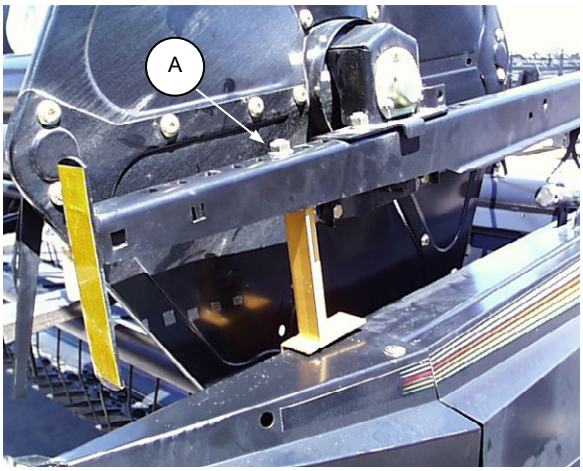
6. Drive the forklift to L/H end of left reel. Place lifting strap around reel main tube and attach to forklift. Raise the forks slowly to raise L/H reel. Engage reel prop at L/H end and lower forks until reel rests on prop. Back the forklift away.

7. Remove the bolts securing left and right end shipping supports to header frame. Discard straps and re-install hardware. Hardware at (F) is installed reversed for ease of access when removing shipping supports. To prevent damage to reel end shields and /or discs, always install carriage head bolts to the inside of header as shown for field use.

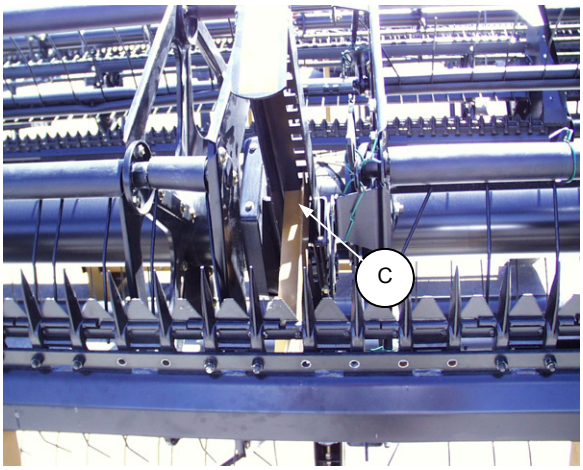


INSTALL HARDWARE WITH HEADS IN

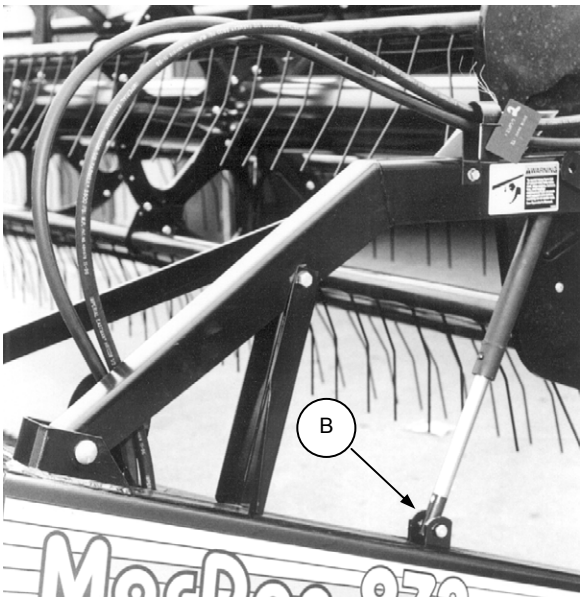
8. Cut shipping wire securing reel lift cylinders. At outer arms, attach **rod end of reel lift cylinder to header** at (B). At center arm, attach rod end of cylinder to reel support arm.



REEL SUPPORT ARMS SHIPPING POSITION



CENTER REEL SUPPORT ARM



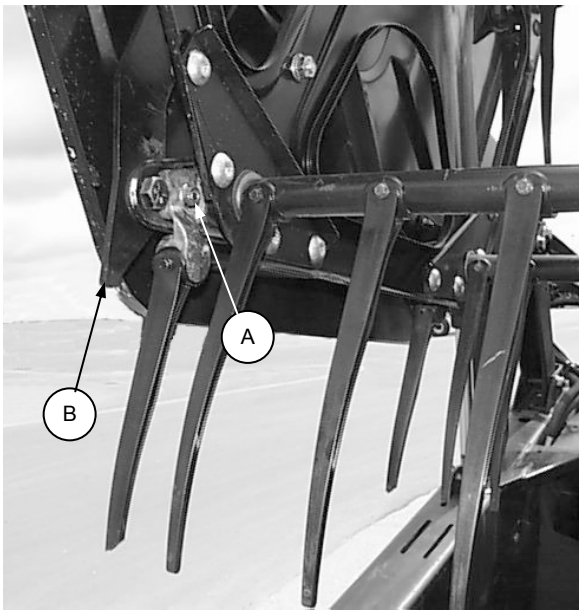
REEL SUPPORT ARMS WORKING POSITION

UNLOADING & ASSEMBLY

REEL ASSEMBLY

The reel comes fully assembled except for the following:

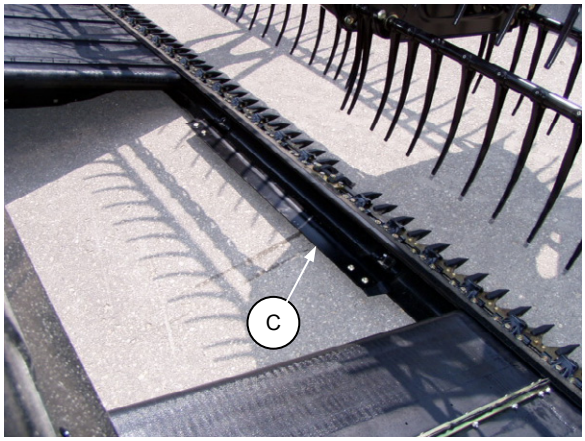
Two of the reel cam arms have been disassembled for shipping. Attach cam arms (B) as shown. Install bolts with heads inboard and torque to 120 ft.lbs. (162 N·m). **NOTE:** Nut (A) on finger casting may need to be loosened to align bolt with reel cam arm. Retighten when complete.



ASSEMBLE REEL CAM ARMS

END DELIVERY

For headers being set up for end delivery, install bar (C) onto lugs across center opening at cutterbar. Note that end tabs bend down and holes in bar are towards rear of header. This bar prevents draper damage when end delivering. (Bar is stored on deck backsheet, or may be at right end panel on some headers.)



INSTALL GUIDE BAR FOR END DELIVERY

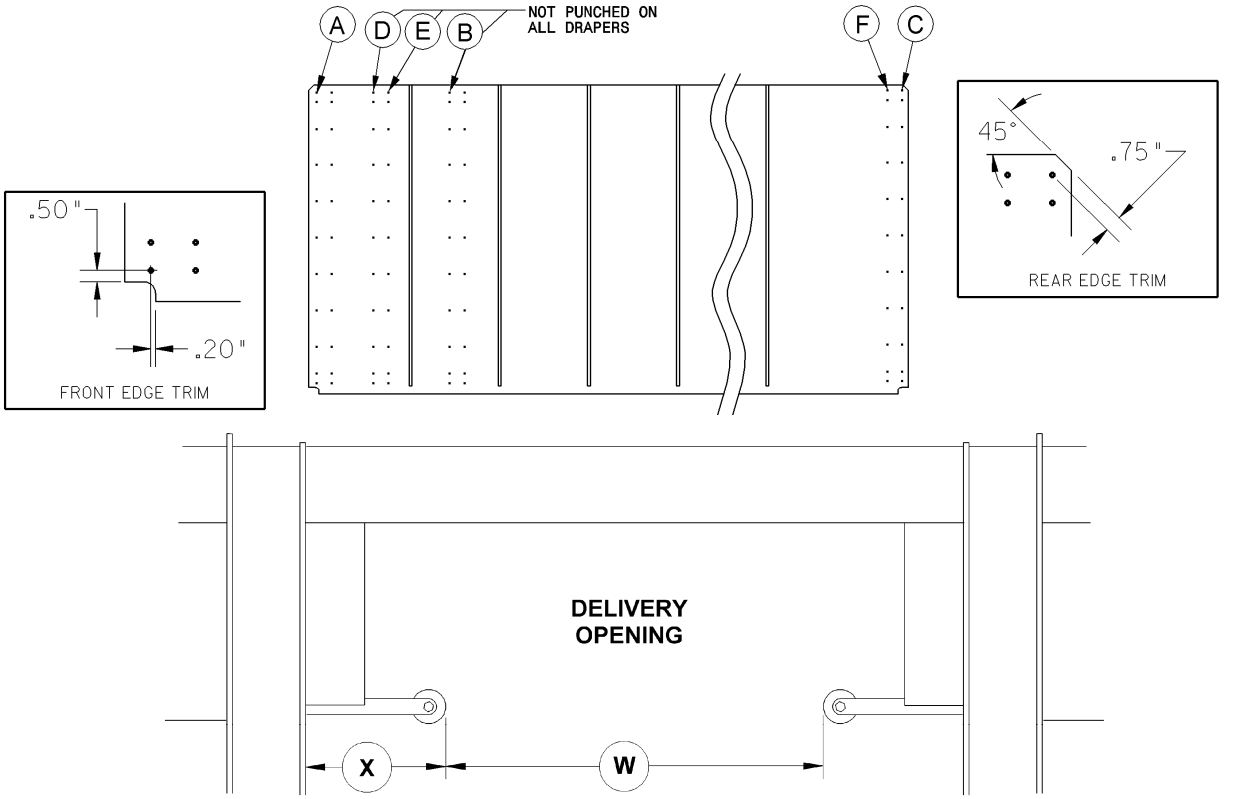
UNLOADING & ASSEMBLY

INSTALL DRAPERS

To install:

1. Use this chart to position connector tubes at the appropriate rows of holes for desired opening size.

CONNECTION	CENTER DELIVERY OPENING WIDTH (W) (between rollers)	LEG TO ROLLER EDGE (DIM. X)	DESIGNATED APPLICATION and COMMENTS
Row A to Row C (both drapers)	64.5" (1640 mm)	7.5" (190 mm)	Opening for 12' to 18' and 30' & 36' Windrower Headers, (original drapers only).
Row B to Row C (both drapers)	57.5" (1460 mm)	11" (280 mm)	Opening for combine models: JD 9600, 9610, 9650, NH CX and Lexion wide deck models.
Row E to Row F (both drapers)	53.5" (1360 mm)	13" (330 mm)	Opening for combine models: JD STS, CTS, 9500, 9510.
Row D to Row C (both drapers)	49.6" (1260 mm)	15" (380 mm)	Opening for Lexion combine mid sized deck models.
Row A to Row C (both drapers)	41.7" (1060 mm)	19" (480 mm)	Opening for Case combine 80 & 88 Series, Case AFX and NH CR 970/980 combines.
Row B to Row C (both drapers)	64.5" (1640 mm)	7.5" (190 mm)	Maximum opening on all 21' & 25' Headers, or opening for replacement drapers on 30' & 36' Windrower Headers.
Row A to Row C (both drapers)	35.6" (905 mm)	20" (508 mm)	Opening for combine models: Case 60 & 66 Series, NH CR 920/940/960, Gleaner or minimum opening on 21' & 25' Windrower Headers.
Row A to Row C (one draper) Row B to Row C (one draper)			Maximum end delivery opening of 53" (1345 mm) on 21' Windrower Header.



2. **NOTE:** For all 21' & 25' headers and 30' & 36' combine headers, if row of holes (A) or (D) is selected, (37.4, 41.7 or 49.6 inch opening) the idler roller assembly must be repositioned in the decks. See "Idler Roller Positioning" in Maintenance/Service section of Operator's Manual.

3. Cut excessive flap off of draper, leaving 3/8" (10 mm) extending above the connector. Trim the new ends at the front corners as shown. This allows draper to fit properly under front draper seal to prevent tearing of front edge. Use the cut-offs as a guide for trimming. Keep the cut-offs for use as a splice.
   NOTE: Draper V-guide may require trimming in order to install connector slats.

UNLOADING & ASSEMBLY

INSTALL DRAPERS (continued)

4. Connect draper with screw heads (C) facing center opening.
   NOTE: Place connector tube so holes closest to end of tube are at the cutterbar.

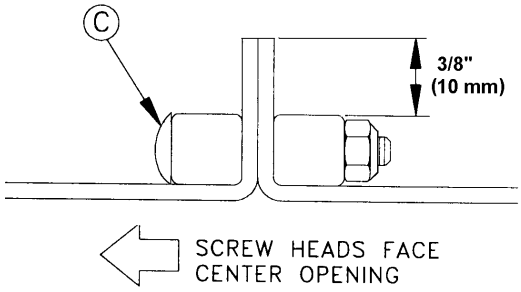
5. Ensure V-guide on underside of draper engages grooves at rear of both rollers.

6. Check draper to cutterbar clearance. Maximum gap is 1 mm. If adjustment is required, see "Deck Height" on page 71.

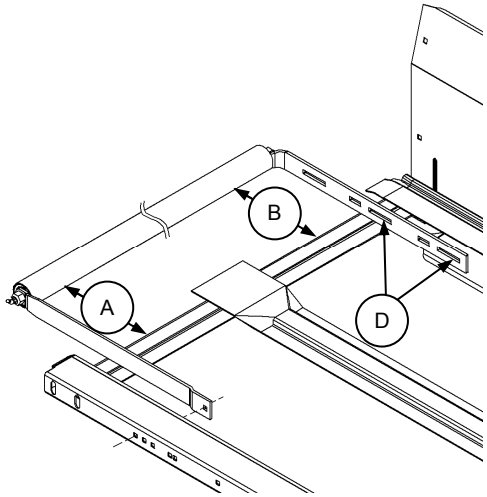
7. Apply draper tension until white indicator bar is partially hidden behind roller support arm. See "Draper Tension Adjustment" in Maintenance /Service section of Operator's Manual.

8. Position decks to dimension (X) (see chart on previous page) for desired opening width. See "Delivery Opening Width" in Operation section of Operator's Manual.

9. Align rollers for proper draper tracking. Adjust hardware in slots (D) at the fixed roller rear support. See page 70 for details:
   12' to 25' Headers – equal front and rear.
   30' & 36' Headers – Dimension (B) 3 mm (1/8") less than Dimension (A).



CONNECTOR SCREW HEADS



FIXED ROLLER ALIGNMENT
(NARROW OPENING & IDLER ROLLER SHOWN)

INSTALL COUPLER ON HEADER REEL LIFT HOSE 21' & 25'

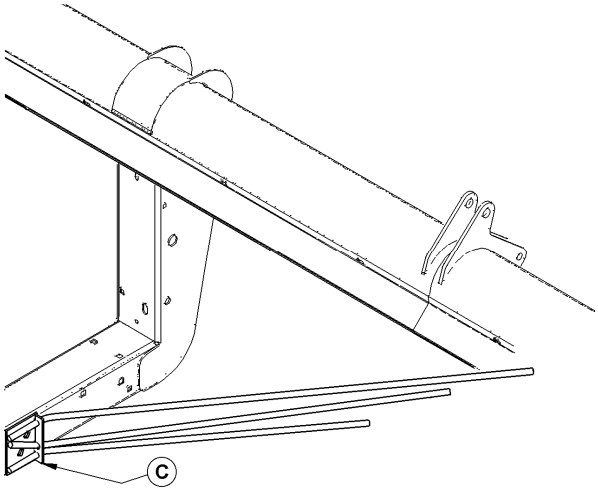
Install quick coupler supplied with windrower or combine adapter package on reel lift hose at left of delivery opening.

ATTACH FORMING RODS (OPTIONAL)

Attach forming rods (C) to left and right header legs.

NOTE: Longer rod goes on top, and bolt heads go inside header leg.

Forming rods are used in windrowing applications only, and are not used with hay conditioner.



ATTACH FORMING RODS

UNLOADING & ASSEMBLY

PREPARE HEADER FOR WINDROWER OR COMBINE: 21' to 36'

See the Assembly section of your Windrower Tractor or Combine Adapter Operator's Manual for instruction related specifically to preparing the Model 972 Header for a particular power unit. **To convert a header from windrower to combine configuration or vice versa**, order kit as listed on page 96 and see Instruction 46532.

Moving Draper Drive Motors: See "Draper Drive Motor Locations" on page 69 of Operator's Manual to determine where motors are best positioned for a particular application.

Hydraulic Requirements when Moving Draper Drive Motors:

1. **Moving motors inboard on 21' & 25' headers:** No additional hydraulic components required unless the widest center opening is desired (greater than 54.5"). In this case, order:

PART NO.	DESCRIPTION	QTY.
50103	FITTING - 45º elbow, 5/8 tube male x 7/8 O-ring male	4
N/A	FITTING - 45º elbow, 5/8 tube male x 5/8 tube swivel female	4

   - Replace fittings at motors with one each of above elbows.

2. **Moving motors inboard/outboard on 30' header (hydraulic or manual shift):** No additional hydraulic components required. Assemble per illustration on page 108.

3. **Moving motors inboard on 36' manual shift header:** Requires the following hydraulic components:

PART NO.	DESCRIPTION	QTY.
37134	HOSE – ½" ID, 5/8 tube female swivel (both ends), 5200 mm long	1
50103	FITTING - 45º elbow, 5/8 tube male x 7/8 O-ring male	2
N/A	FITTING - 45º elbow, 5/8 tube male x 5/8 tube swivel female	2

   - Replace both steel lines with above hose and plumb as shown in Parts Catalog. Install elbows on L/H motor to clear leg.

4. **Moving motors outboard on 36' manual shift header:** Requires the following hydraulic components:

PART NO.	DESCRIPTION	QTY.
102257	HOSE – 1/2" ID, 5/8 tube male x 7/8 O-ring, 940 mm long	1
40678	HOSE – ½" ID, 5/8 tube male x 5/8 tube female swivel, 600 mm lg.	1
101939	HOSE – 1/2" ID, 5/8 tube 45° female x 5/8 tube male, 1250 mm lg.	1

   - Attach 940 mm hose to upper port on L/H motor.
   - Attach 600 mm hose to lower port on L/H motor.
   - Attach 1250 mm hose to upper port on R/H motor.

UNLOADING & ASSEMBLY

<u>Moving Draper Drive Motors:</u> (continued)

Moving Motors from Inboard to Outboard: Refer to illustration on next page.

1. Slide both decks inward enough to gain access to *all* rollers from end of decks.
2. Loosen and remove drapers.
3. Remove idler roller from tensioning mechanism by pulling out on roller enough to allow spring rod (A) to pass through hole in deck backsheet. Remove spring rod and pull idler assembly out of deck.

4. Remove drive roller by taking out bolt in rear support arm (B) and disconnecting hoses from drive motor.
   NOTE: Mark the hose that goes to top port of motor and plug hoses and motor ports to prevent contamination.

5. Install drive roller/motor assembly in outboard position as shown by reversing Step 3 above. (Removal of idler roller.)
   NOTE: Be sure when installing spring rod (A) that it passes through retainer clip (C) and front support arm (D).

6. Install hydraulic hoses as shown. **IMPORTANT:** Hoses that were connected to top motor ports are now connected to bottom ports.

7. **If narrow opening kit is also being installed at this time, proceed to Step 8. Otherwise, go to Step 11.**

8. Remove front roller stop (E) at center opening. Retain hardware for re-use.
9. Remove short arms from idler roller and replace with longer arms (F) and (G) from narrow opening kit. Torque 5/8 nuts to 35 to 40 ft. lbs.
10. Install draper extension piece from kit using connector bars supplied.

11. Insert idler roller assembly in deck as shown. Attach front arm (F) to channel and tighten hardware.
    NOTE: Without extension kit, front idler arm will be item (H), which butts against item (E).

12. To ensure square alignment for proper draper tracking, align rollers as described under “Draper Tracking Adjustment” on page 70 of Operator’s Manual.
13. Tighten rear arm hardware.
14. Re-couple draper and tension.
15. Re-position decks. For hydraulic shift headers; if draper was added, reposition deck stops as described on page 30 of Operator’s Manual.

Moving Motors from Outboard to Inboard

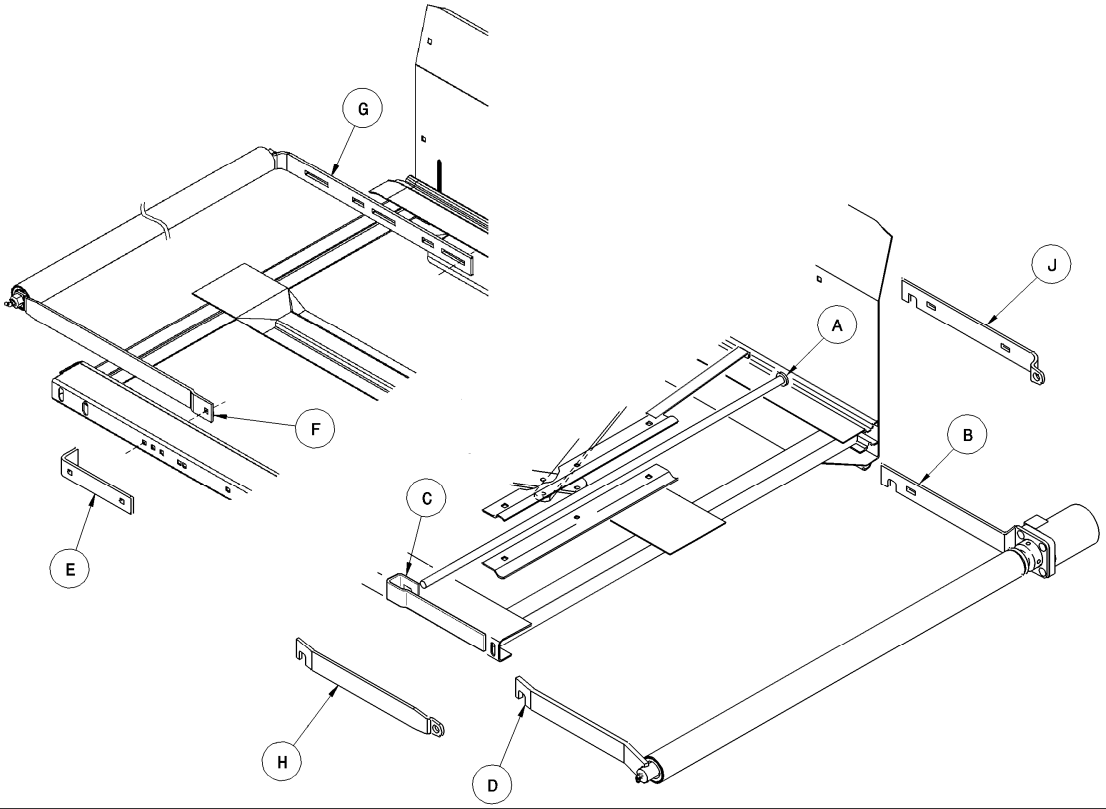
Follow the above procedure with these exceptions:

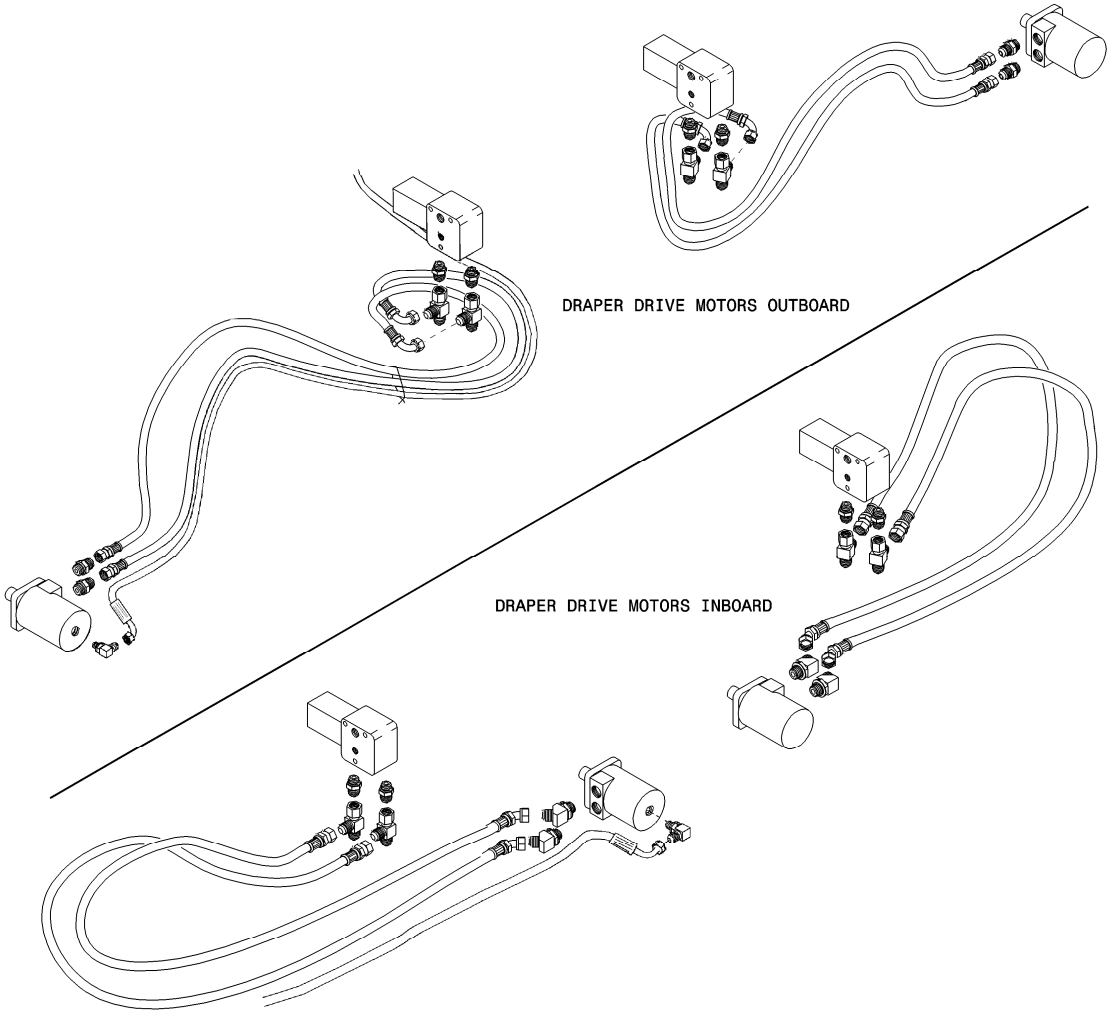
1. Purchase the following : front roller stop (E), Part No. 103393 qty. 2
   L/H front idler roller arm (H), Part No. 103433 qty. 1
   R/H front idler roller arm, Part No. 103434 qty. 1
   L/H rear idler roller arm (J), Part No. 103435 qty. 1
   R/H rear idler roller arm, Part No. 103437 qty. 1

2. After removing idler rollers, install new idler bars (H) & (J) and attach front roller stops (E).

3. If the current opening size is narrow (drapers uncut), it will be necessary to cut drapers. Only the wide opening size is possible with drive motors inboard.

UNLOADING & ASSEMBLY





UNLOADING & ASSEMBLY

ATTACH HEADER

CAUTION: Read the Operator's Manuals carefully to familiarize yourself with procedures and controls before attaching header to windrower or combine. Attaching instructions are provided in the Windrower Tractor and Combine Adapter Operator's Manuals.

BLEED HYDRAULIC SYSTEM

The restrictor supplied can be installed to slow reel lift/lower rates. Follow instructions in bag for location and positioning of restrictor.

Header Lift Cylinders

Raise and lower header a few times to allow trapped air to pass back to the reservoir.

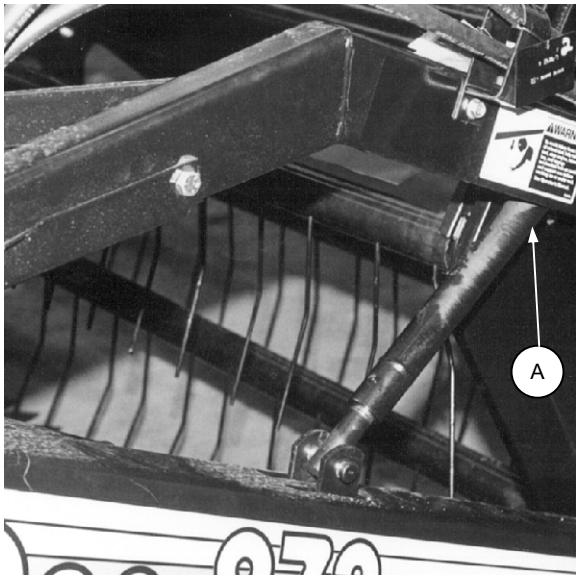
Reel Lift Cylinders

CAUTION: Take care during this procedure as air in the system can cause the reel to raise and lower erratically. Keep body and hands out from under reel and reel support arms.

1. Fully lower header and reel.

CAUTION: Bleed screw (A) may be forced from hole by hydraulic pressure. Do not loosen screw too quickly or too far.

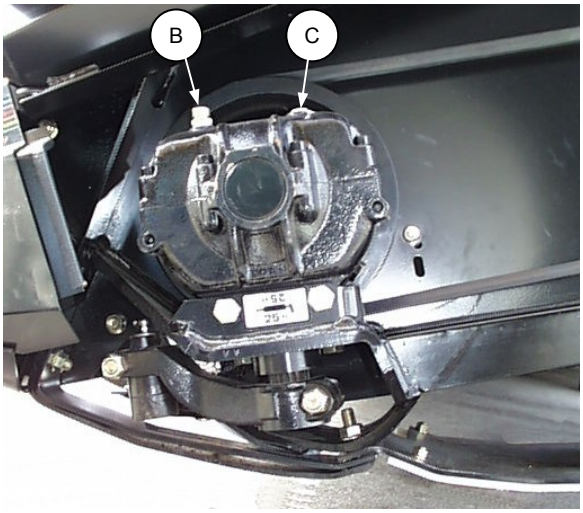
2. SLOWLY loosen bleed screw (A) at top of right hand reel lift cylinder.
3. Start engine and activate reel lift. Left-hand cylinder will reach full extension first, then oil will pass to right hand cylinder.
4. Continue to activate reel lift until oil comes out around bleed screw.
5. Tighten bleed screw.



REEL LIFT CYLINDER BLEED SCREW

REPOSITION WOBBLE BOX BREATHER

Unless header will be transported on a trailer that carries headers upright, swap position of breather (B) and plug (C) at wobble box to position breather in rear hole.



REPOSITION WOBBLE BOX BREATHER

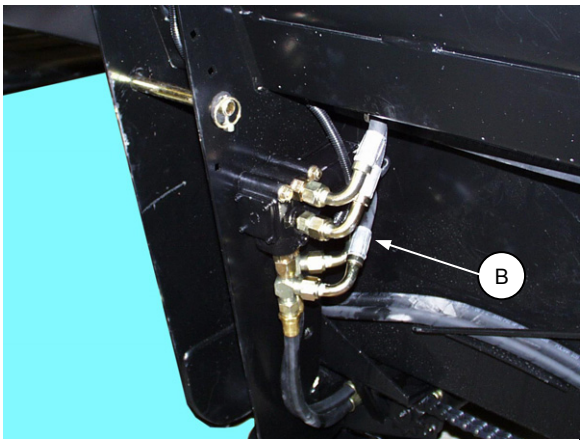
UNLOADING & ASSEMBLY

PREPARE HEADER FOR HAY CONDITIONER

1. Install conditioner stop rod (A) through right header leg as shown. Secure with 3/8 x 3/4" carriage bolt and flange nut.

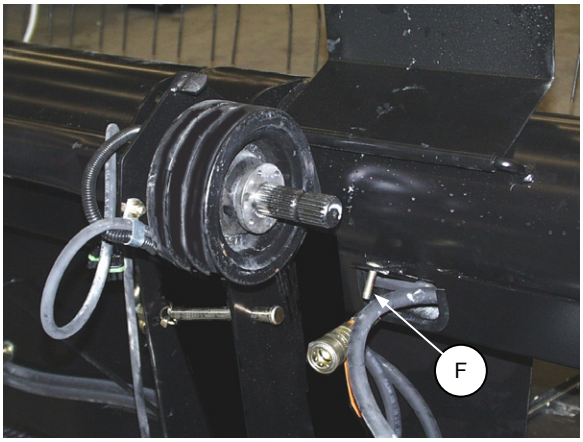
   NOTE: On hydraulic shift headers, it may be necessary to remove some hoses from deck shift assembly (B) at right leg to allow installation of stop rod. Reassemble when complete.

INSTALL CONDITIONER STOP ROD



DETACH HOSES TO ALLOW ROD INSTALLATION

1. Install drive pulley on header drive shaft at keyway near left leg. Remove hose clamp at (F) to allow pulley installation. Replace clamp when complete. **NOTE:** Do not install bolts in tapered bushing until after conditioner is attached and belts installed for the first time.



INSTALL DRIVE PULLEY

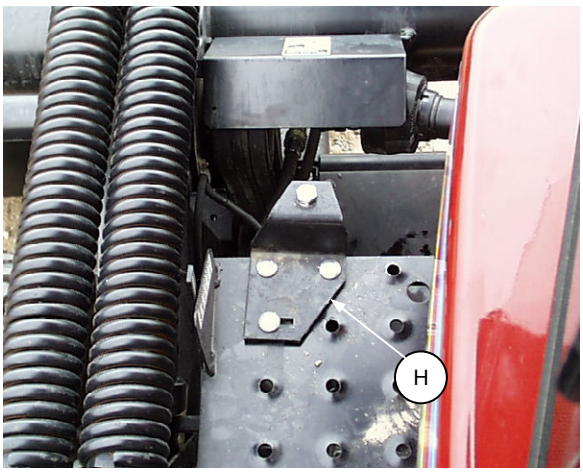
UNLOADING & ASSEMBLY

PREPARE TRACTOR FOR HAY CONDITIONER

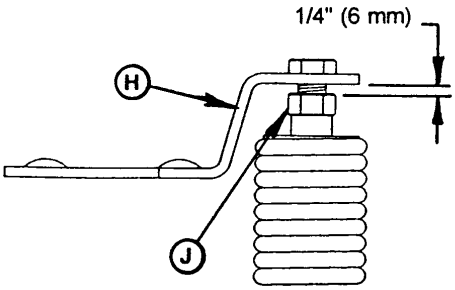
1. Attach conditioner float spring support (H) to tractor left floorboard using three 1/2 x 1-1/4 carriage bolts, flatwashers, lockwashers and nuts. See below for 52 Series Tractors.
   NOTE: If rear hole in support (H) does not line up with an existing hole in tractor floorboard, attach support at front two holes and drill a 17/32 hole through floorboard using rear hole in support as a guide.

   Connect float spring to support using 5/8 x 4-1/2 thread full length hex bolt and nut. Tighten to attain a 1/4 inch (6 mm) gap from nut (J) to support (H) when nut is locked against spring insert.

2. Block tractor lift linkage to support weight of R/H lift linkage. Remove retaining bolt on existing pin and tap in new pin, removing old pin at the same time. Re-install retaining bolt through pin.
   NOTE: Ensure hole in pin will be located on inboard side of tractor leg.



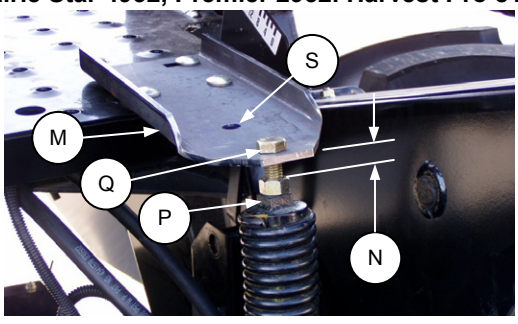
ATTACH FLOAT SPRING & SUPPORT



REMOVING RETAINING PIN

For high clearance models (MacDon/Westward 9352, Prairie Star 4952, Premier 2952. Harvest Pro 8152):

1. Replace Z-shaped float spring support (H) shown above with plate (M). Turn draw bolt so that thread showing at (N) is 1-1/4" (32 mm) and tighten nut against spring plug at (P). Mount spring in hole (Q) for tractors equipped with shallow angle kit, and hole (S) for tractors without shallow angle kit.
   NOTE: For lighter conditioner float, decrease dimension (N). For heavier float, increase (N).



REPLACE Z-PLATE WITH FLAT:
9352/4952/2952/8152

UNLOADING & ASSEMBLY

ASSEMBLE HAY CONDITIONER FORMING SHIELDS AND DEFLECTOR FINS

1. Insert threaded rod and welded bolt of side deflector through hole and notch at front corner of top shield.

   IMPORTANT: Do not confuse left and right side deflectors. Welded rod (A) must be positioned to the outside of the forming shield assembly.

2. Install two 5/8 hex nuts (B) and (C) on threaded rod.

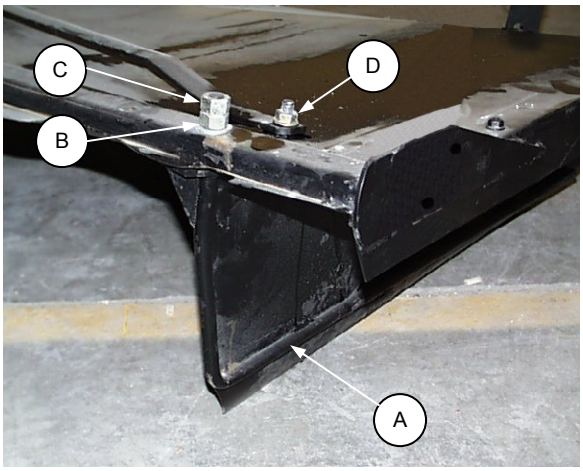
3. Tighten nut (B) until snug.

4. Hold nut (B) with a wrench and tighten nut (C) securely against nut (B).

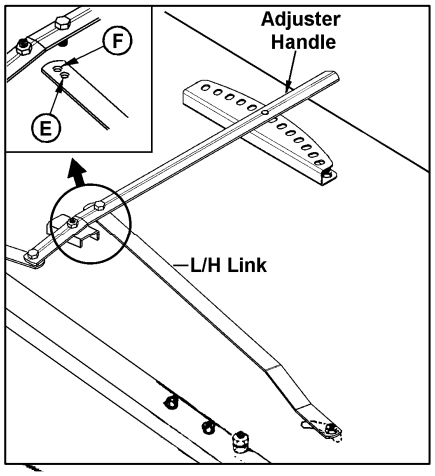
5. Install one 1/2" lock nut (D) to secure L/H link on the welded bolt.

6. Operate handle on top shield to adjust side deflector position. If handle is too stiff, loosen nuts (C) and (B) and readjust.
   NOTE: With hardware securing left hand link in hole (E) as shown, side deflectors open symmetrically about the center of the conditioner rolls. Move hardware to hole (F) to allow side deflectors to open to maximum width. See "Hay Conditioner Forming Shields" in Operation section.

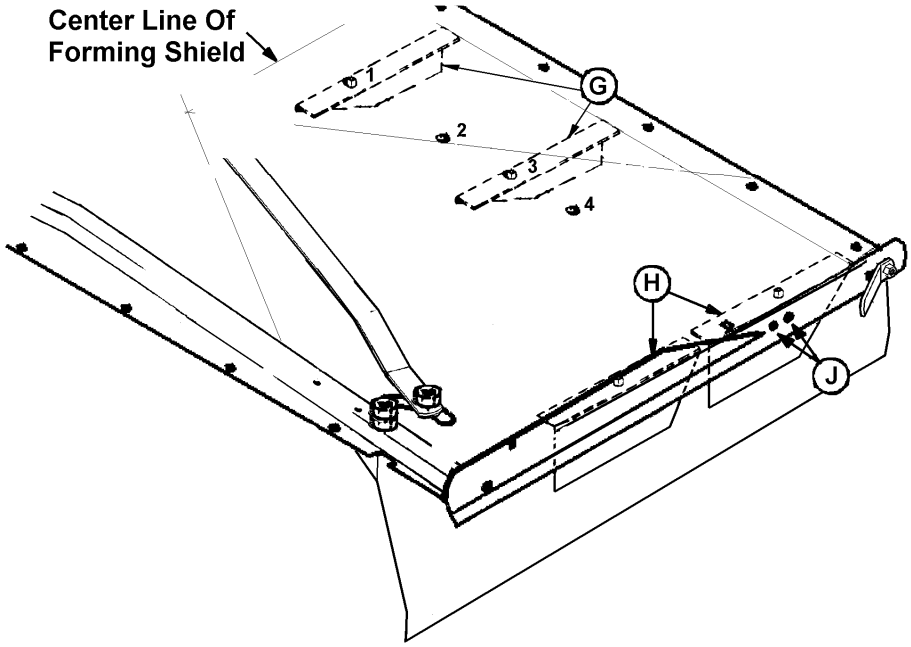
7. For laying swaths wider than 70 inches (1780 mm), remove deflector fins (G) from storage position (H), and install in holes 1 & 3 on each side of forming shield centerline. Extra hardware for fins is stored at (J). Position fins approximately parallel to side deflectors and tighten bolt securely. Two additional fins are also provided and should be installed as required for uniform formation of swaths wider than 90 inches (2286 mm).



INSTALL SIDE DEFLECTORS



SIDE DEFLECTOR CONTROL



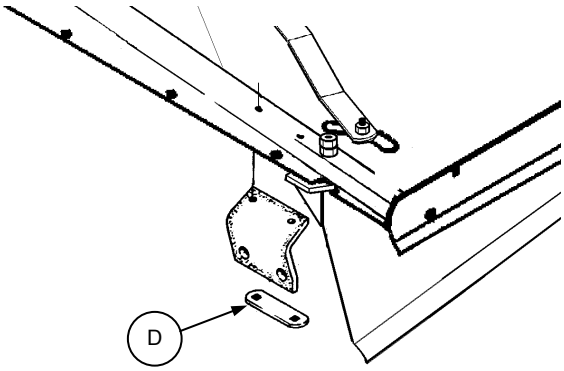
INSTALL FINS FOR WIDE SWATHS

UNLOADING & ASSEMBLY

MOUNTING FORMING SHIELD:

Position hay conditioner and forming shield behind swath opening of header and proceed as follows:

1. Remove the two rubber hinges and steel brackets from the front of the conditioner forming shield. Save steel brackets (D) for re-use in installing hinge brackets (Step 2)

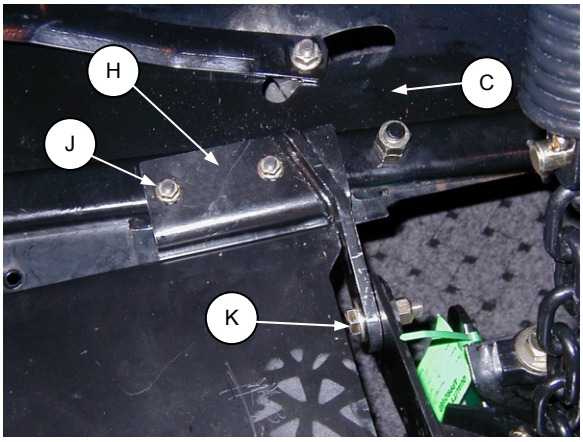


REMOVE RUBBER HINGES

2. Install L/H and R/H hinge brackets (H) onto forming shield (C). See illustration next page for hardware used and hidden parts.
   NOTE: Leave hardware (J) loose until forming shield is mounted to the conditioner.

3. Install forming shield (C) onto conditioner. Install spacers and secure with 1/2 x 2 inch hex head bolts (K), flat washers and lock nuts as shown. Install head of bolt towards center of conditioner.

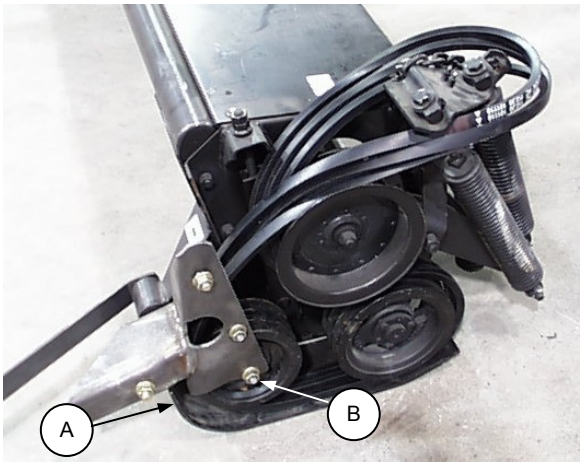
4. Tighten mounting bracket hardware (J).



INSTALL HINGE BRACKETS (L/H SHOWN)

INSTALL CONDITIONER DRIVE BELTS

1. Remove two bolts securing L/H shoe (A).
2. Loosen bolt (B) securing grooved idler pulley and remove pulley from bracket.
3. Install belt as shown and reassemble pulley and shoe.

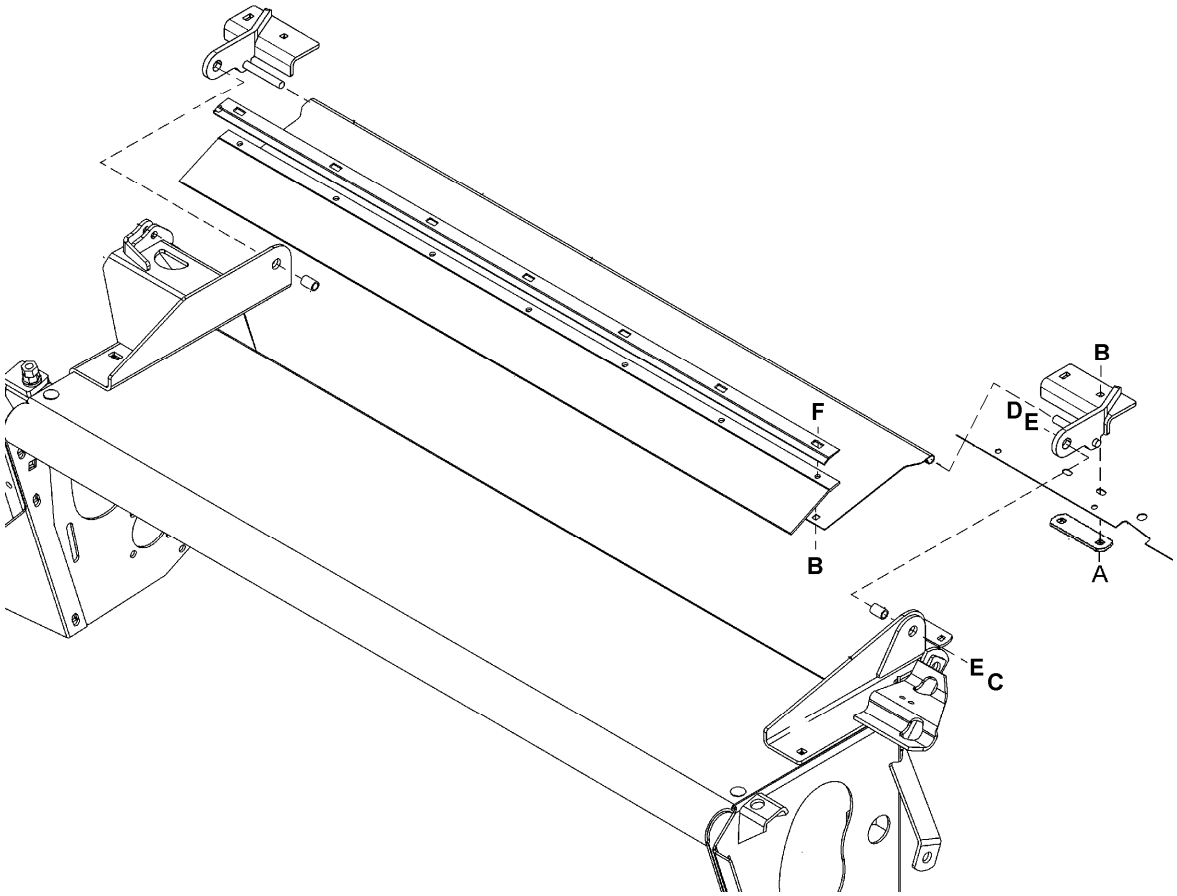


INSTALL CONDITIONER DRIVE BELTS

UNLOADING & ASSEMBLY

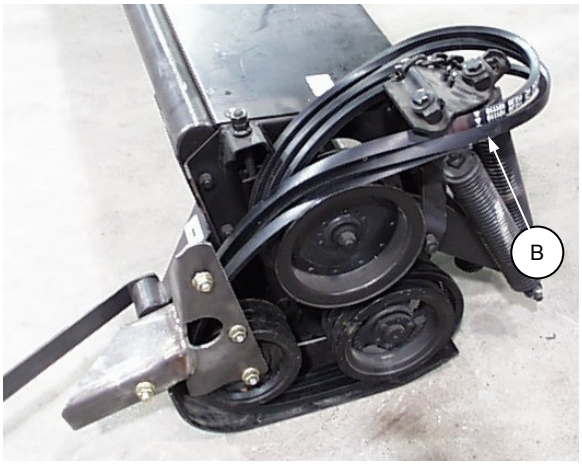
HAY CONDITIONER FORMING SHIELD ASSEMBLY:

A	BOLT – round head, square neck, 3/8 NC x 2 inch, gr. 5
B	NUT – smooth flange, 3/8 NC, distorted thread
C	NUT – lock, 1/2 NC, distorted thread
D	BOLT – hex head, 1/2 NC x 2 inch, gr. 5
E	WASHER – flat, 17/32 I.D. x 1-1/16 inch O.D.
F	BOLT – round head, square neck, 3/8 NC x 3/4 inch, gr. 5

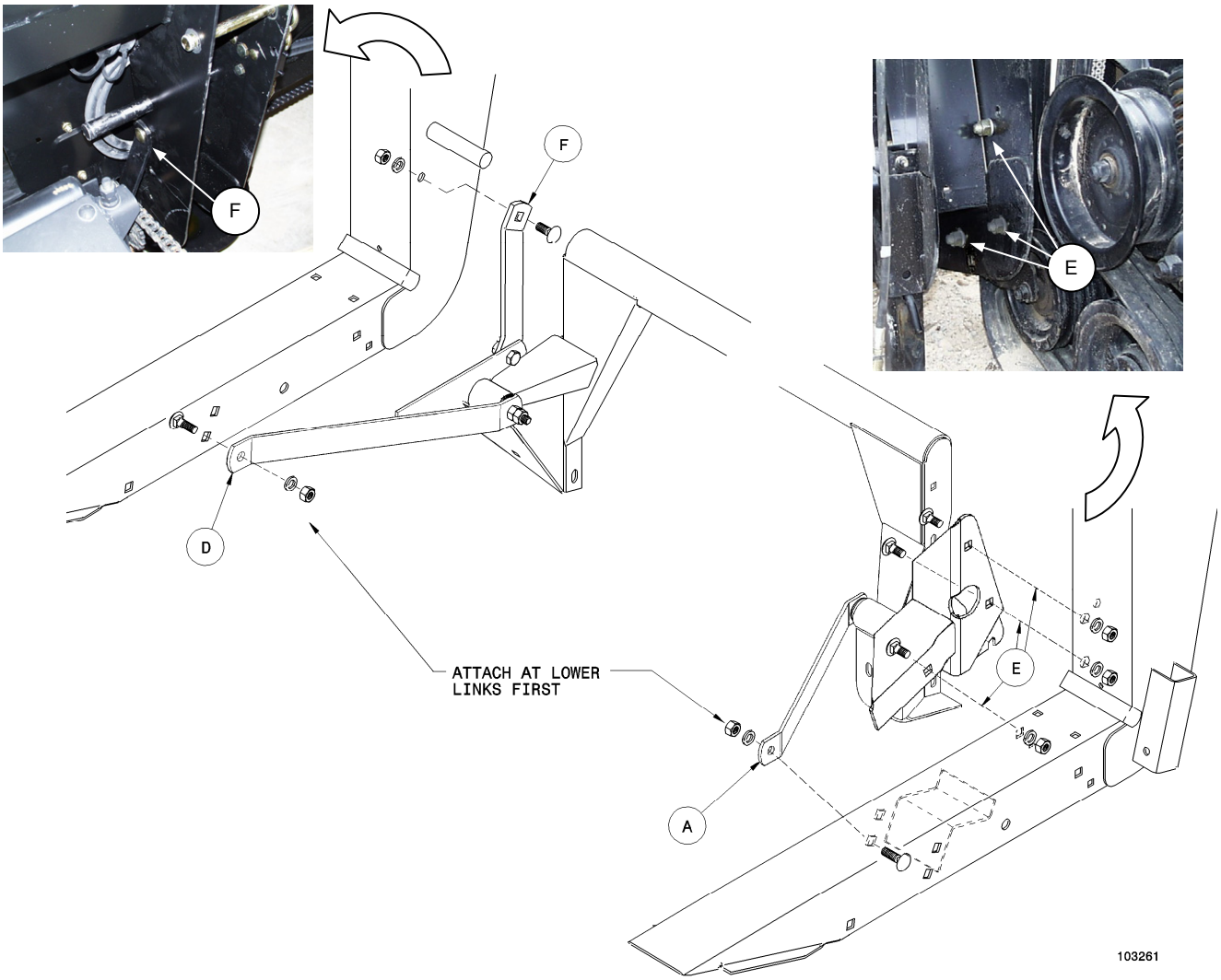


ATTACHING THE HAY CONDITIONER

1. Secure loose loop of belt towards rear of conditioner as shown at (B).
2. Attach header to tractor. See Windrower Tractor or Adapter Operator's Manual. **NOTE:** For more clearance, if a forklift is available, position conditioner behind header and perform steps 5 to 7 prior to attaching tractor.
3. Raise header fully and drive slowly forward, straddling conditioner, until mounting holes in header leg are approximately in line with holes in conditioner mounting arms. Lower header so cutterbar is approximately 8 inches (200 mm) off the ground.
4. Shut off engine and remove key.
5. Raise left conditioner mounting bar (A) and attach to header leg with one 5/8 x 1-1/2 inch carriage head bolt, lockwasher and nut. Repeat at right arm (D).
6. Using a pry bar, raise front of conditioner and attach left support to left header leg at (E) with three 5/8 x 1-1/4" carriage bolts, lockwashers and nuts. At top bolt, use the 20 mm (.78") hole in header leg.
7. At right side, attach vertical support (F) to right header leg with one 5/8 x 1-1/2" carriage bolt, lockwasher and nut.



STORE BELT FOR HOOK-UP CLEARANCE



ATTACH CONDITIONER TO HEADER

ATTACHING THE HAY CONDITIONER (continued)

8. Raise header fully. Stop engine, remove key and engage header lift cylinder stops.

9. Place a 2 x 4 under the R/H conditioner shoe as shown at (G). (No block under left side.)

10. Remove header lift cylinder stops and lower conditioner onto block. Shut off engine and remove key.

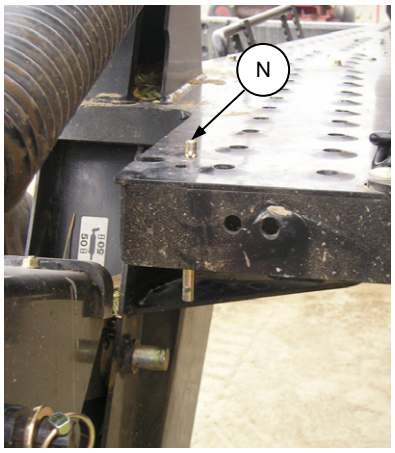
11. Use the following steps for the appropriate tractor model:

    For 52 Series tractors (24 inch rims only):
    NOTE: For tractors prior to 52 Series (16 inch rims), see next page.

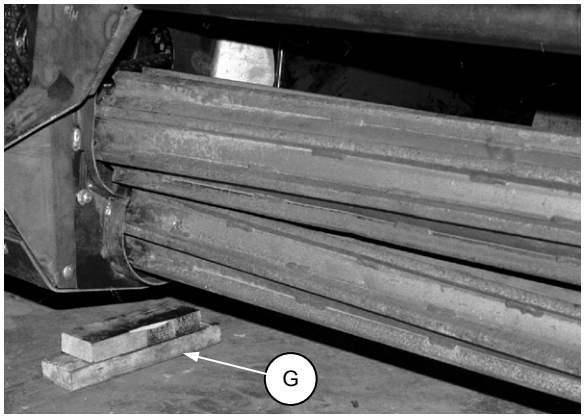
    - Install conditioner lift link (J) at R/H side as shown.
    - Install clevis to secure upper end of adjustable link to lift linkage pin and secure to lower end to chain at R/H conditioner mount.
    - Install bolt (M) through chain at R/H conditioner mount.
    - Install clevis, lock washer (K) & lynch pin (L) to secure upper end of chain to lift linkage pin.
    - With cutterbar set at desired cutting height, adjust turnbuckle link length to 1-1/2 to 2 inch ground clearance to conditioner shoe. Secure jam nut on turnbuckle link.

    NOTE: Turnbuckle adjuster pin (N) (shipped with hay conditioner) can be stored in tractor floor board as shown.

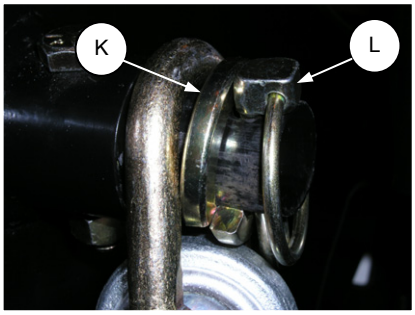
    NOTE: For slightly higher conditioner clearance, move bolt (M) one link up.

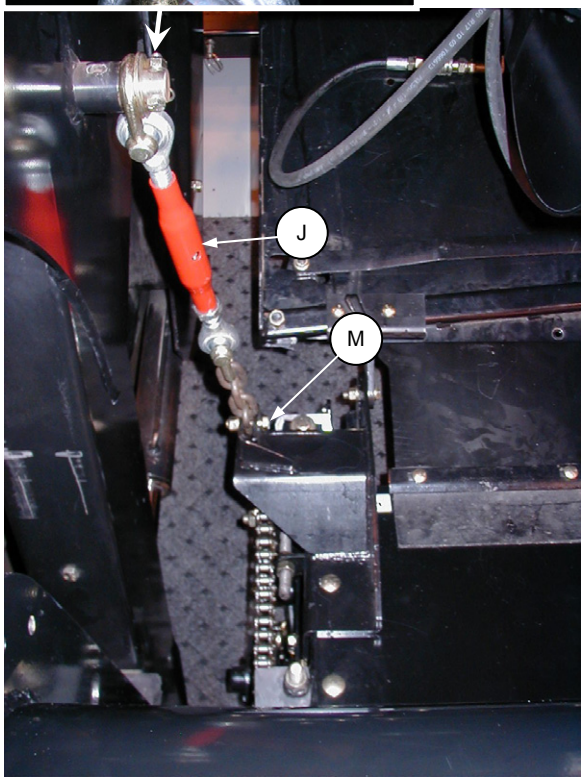


TURNBUCKLE ADJUSTER PIN STORAGE



BLOCK UNDER R/H SHOE



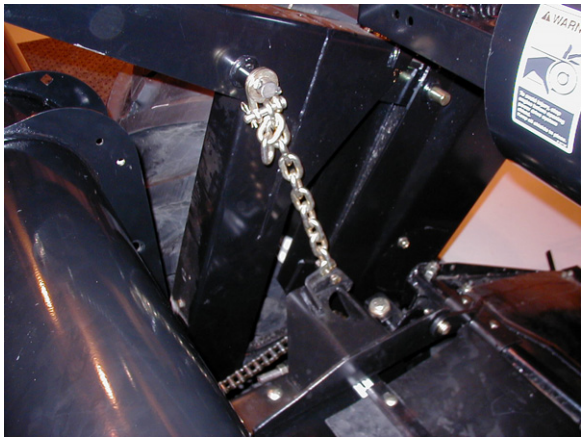


ATTACHING HAY CONDITIONER (continued)

11. cont'd

For Tractors Prior to 52 Series (16 inch rims):

- Install the 13 link chain provided.
- Install clevis, lock washer (K) & lynch pin (L) to secure upper end of chain to lift linkage pin.
- Secure lower end to R/H conditioner mount with bolt.
- With cutterbar set at desired cutting height, adjust chain length at clevis for 1-1/2 to 2 inch ground clearance to conditioner shoe.



USE 13 LINK CHAIN FOR 16" RIMS

12. Raise header fully. Stop engine, remove key and engage header lift cylinder stops.

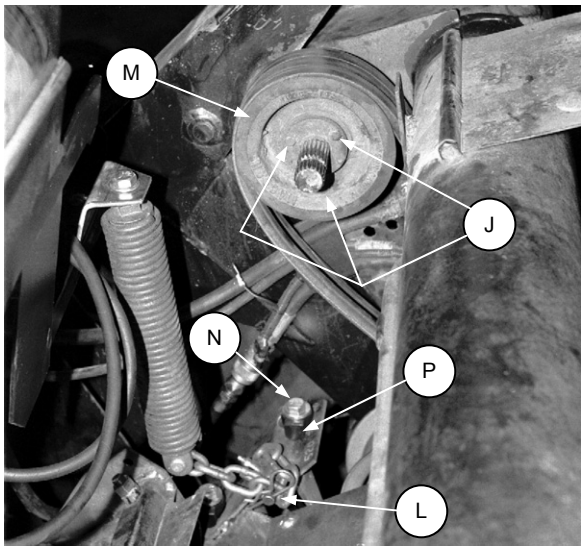
13. Install chain for float spring on pin (L) at left side of conditioner. Connect at the fourth chain link from the spring to start. See Conditioner Float Adjustment under "Operating Variables".

14. Install belts over header pulley (M).
NOTE: There must be 5 inches (125 mm) exposed bolt thread (bottom of pivot to spring plug) on bolt (N) to allow belt installation. Turn bolt (N) counter-clockwise to increase exposed thread length.

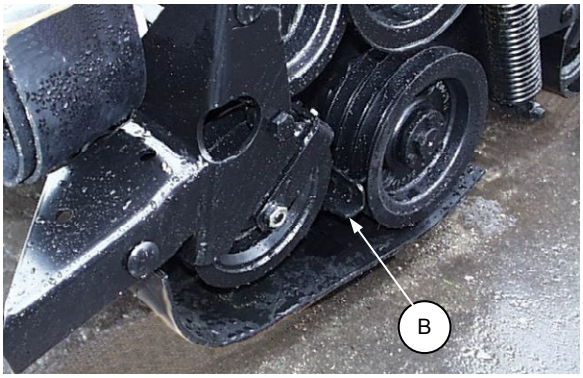
15. Align pulleys, then install and tighten three bushing bolts (J) to secure the pulley position.

16. Tighten belts by turning bolt (N) clockwise until spring plug contacts bottom of pivot (P).

17. Ensure mounting bracket (B) for clean-out bolts on lower roll driven pulley is not interfering with belt travel.
Also, ensure clean-out bolts are centered in pulley grooves. Mounting bracket can be adjusted laterally to properly position bolts.



CONNECT FLOAT SPRING & INSTALL BELTS

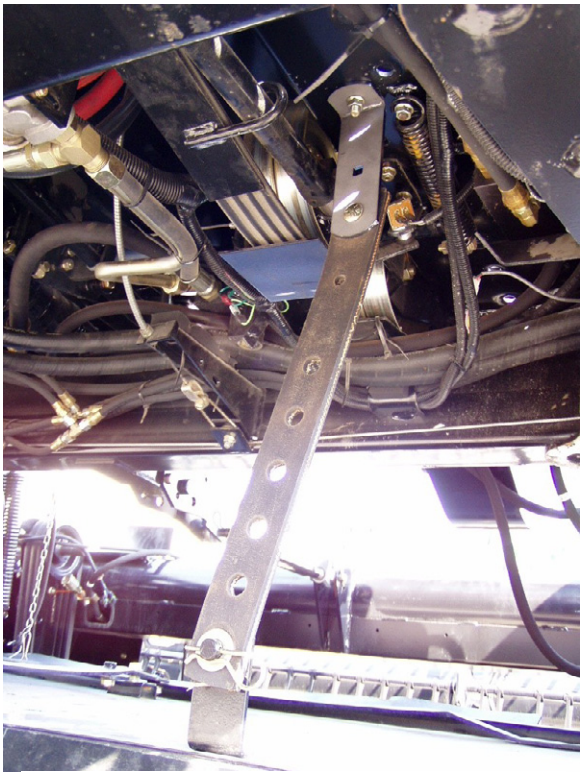


ALIGN BRACKET FOR CLEAN-OUT BOLTS

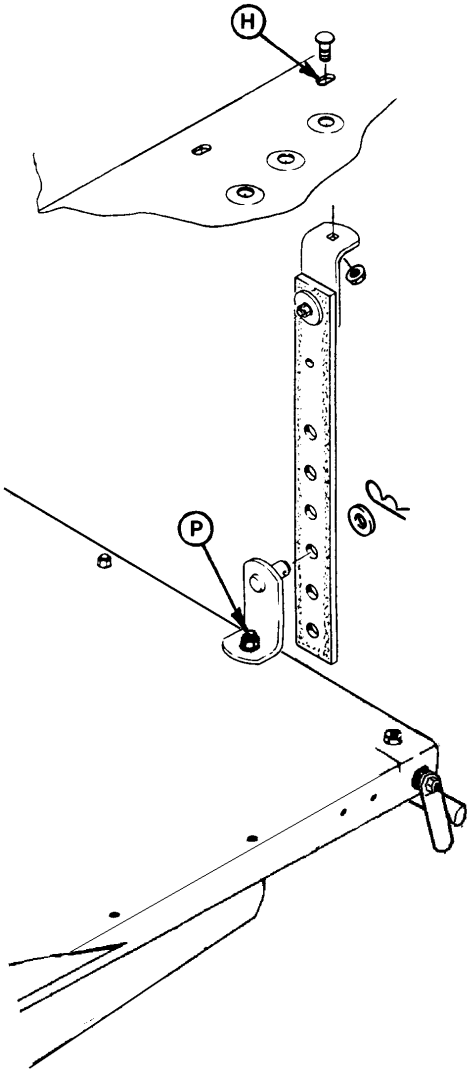
ATTACHING HAY CONDITIONER
(continued)

18. Attach rear supports to forming shield assembly, at the second bolt (P) from each end.

19. Attach top bracket of rear support to rear hole (H) of the two provided in the tractor floorboard, each side.
NOTE: For XX52 & XX52i Windrower Tractors, use the longer top brackets provided. Use the lower hole for mounting the rubber strap.



XX52 & XX52i
FORMING SHIELD SUPPORT STRAP



ADJUSTMENTS AND CHECKS

Perform the final checks and adjustments as listed on the "Pre-Delivery Checklist" (yellow insert) to ensure the machine is field-ready. Use the Operator's Manual for directions.

On 21’ to 36’ “combine-configured” headers, place the Operator’s Manual in storage case (A) located under the left end shield.

MANUAL STORAGE CASE

972 Harvest Header Pre-Delivery Checklist

HEADER SERIAL NUMBER: _____

Perform these checks and adjustments prior to delivery to your customer. See the Operator's Manual for adjustment details.

CAUTION: Carefully follow the instructions given. Be alert for safety related messages which bring your attention to hazards and unsafe practices.

- ❑ Check for shipping damage or missing parts. Be sure all shipping dunnage is removed.
- ❑ Adjust reel clearance from cutterbar to 5/8" [15 mm], both ends (P. 72).
- ❑ Check reel is centered between header end sheets (P. 74).
- ❑ Check sickle drive belt(s) tension (P. 65/66).
- ❑ Check header flotation. (50 to 70 lbs. [220 to 310 N]) (P. 26 & Tractor or Adapter Operator's Manual)
- ❑ Check that header is level. (Tractor Operator's Manual)
- ❑ Grease all bearings and drive lines (P. 52).
- ❑ Reposition wobble box breather(s) - (Unless transported upright on trailer) (P. 109).
- ❑ Check wobble box(es) lube level (P. 64).
- ❑ Bleed R/H reel lift cylinder (P. 109).
- ❑ Attach forming rods (if applicable) (P. 36/92).
- ❑ Check skid shoes are evenly adjusted (P. 23).
- ❑ Check deck height (draper to cutterbar clearance – 1 mm gap to 1.5 mm draper deflection) (P. 71).
- ❑ Check draper tension (P. 68).
- ❑ Check hydraulic hose and wiring harness routing, ensuring adequate clearance with header up or down. Be sure colour coding on hydraulic hoses is matched and that all hydraulic connections are fully engaged.
- ❑ Run machine at operating speed for 15 minutes, STOP ENGINE and check for belt/idler alignment and heated bearings. Check sickle sections for discoloration caused by misalignment of components.
- ❑ Check lights are functional.
- ❑ On 21' to 36' "combine-configured" headers, place Operator's Manual in storage case under left end shield.

742 HAY CONDITIONER SERIAL NUMBER: _____

- ❑ Grease all bearings (P. 56).
- ❑ Align conditioner drive pulley on header drive shaft (P. 116).
- ❑ Adjust forming shields to position suitable for conditions (P. 44).
- ❑ Check conditioner flotation (P. 43).

Date Checked:_____ Checked by: _____