

Operator's Manual



Pickup Header

4300

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CAUTION:
See the engine operation and maintenance manual for other important safety instructions.



CAUTION:
See the combine operator manual for other important safety instructions.

1.1.6 This manual

This manual covers general safety instructions for this machine. Keep this manual with the machine.

Right and left, as used in this manual, are given as if you are in the operator seat.

The photos, illustrations, and data used in this manual were up to date when published, but in-line production changes can make your machine have small differences. The manufacturer reserves the right to redesign and change the machine as necessary without notification.



WARNING:
In some of the illustrations and photos used in this manual, shields or guards are removed. Operate the machine only with all shields and guards in the correct installed positions. If the removal of shields or guards is necessary to make a repair, they must be installed before operation.

1.1.6.1 Operator manual holder

The operator manual holder (1) is located under on the back of the header

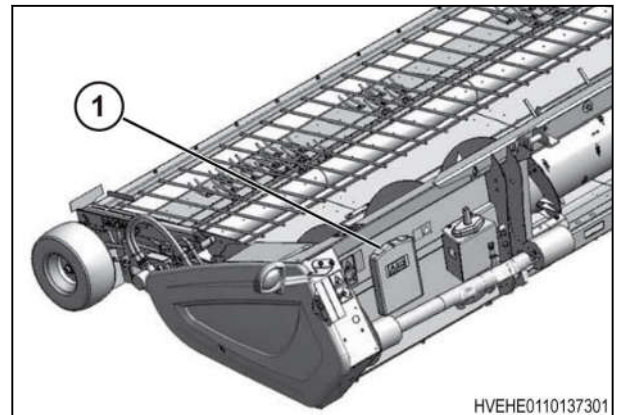


Fig. 4

crop material and unwanted material from around the area. Make sure that the area below the work area is clear of flammable material because falling molten metal and sparks can cause ignition in the material.

If fire occurs, move upwind and away from the smoke from the fire.

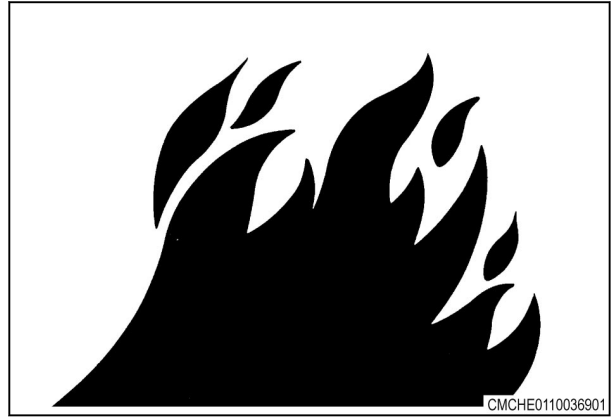


Fig. 25

1.4.3 High pressure leaks



WARNING: Hydraulic fluid under pressure can penetrate the skin or eyes.

Serious personal injury, blindness, or death can occur.

Relieve the pressure from the system or component before disconnecting components. Wear personal protective gear while working on the machine or equipment. Use a piece of cardboard to check for leaks. Never use your hand.

Fluid that leaks from the hydraulic system or the fuel injection system is high pressure and is not easily seen. The fluid can go into the skin causing injury.

Fluid that is injected into the skin must be surgically removed immediately. If not removed immediately, infection and reaction can occur. Go immediately to a physician who knows about this type of injury.

Use a piece of cardboard or wood to look for possible leaks. Do not use your bare hand. Wear leather gloves for hand protection and safety goggles for eye protection.

Remove all pressure before you loosen hydraulic lines. Lower equipment in the up position, close the accumulator valve, and stop the engine. Tighten all connections before you apply pressure.



Fig. 26

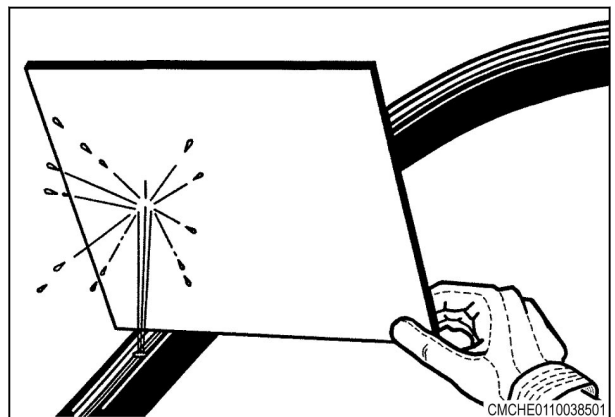


Fig. 27

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5. Open the drive shaft cover (1).
6. Pull the spring loaded collar (2) in and remove the drive shaft (3) from the countershaft (4). Put the drive shaft into the storage position on the header.
7. Remove the single point connector (5) on the header from the single point connector (6) on the combine.
8. Put the single point connector on the header into the storage position.
9. Close the drive shaft cover.

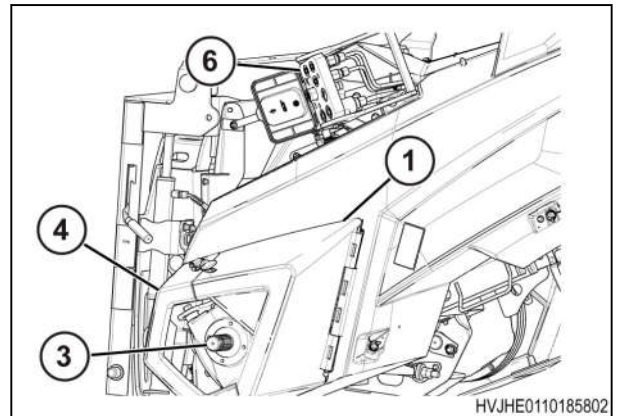
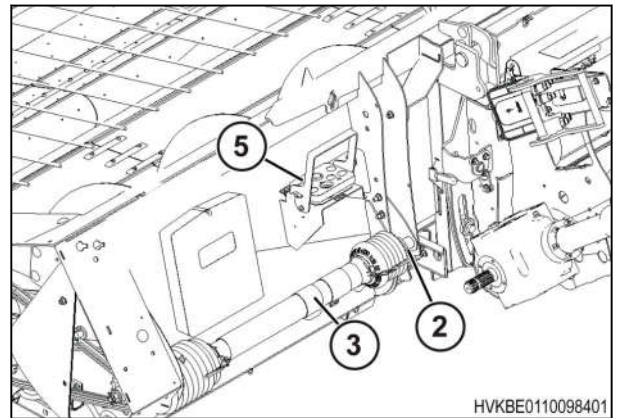


Fig. 19

10. Move the lever (1) in the feederhouse into the unlocked position.
11. Make sure the locking pins (2) are retracted.
12. Disengage the cylinder stop for the combine lift cylinders.
13. Start the combine.



**WARNING: Avoidance hazard.
Clearance.**

Serious personal injury can occur.

Make sure all persons are clear of the area before operating the machine.

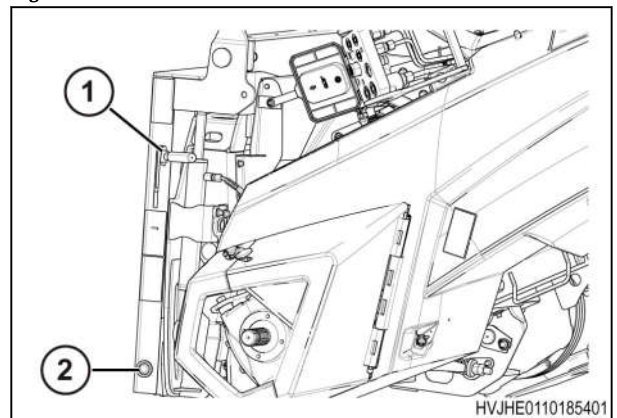


Fig. 20

Procedure

1. Loosen the two M12 nuts (1) on both ends of the hold-down cross member (2). When the two M12 nuts are loose, the hold-down cross member will rotate.
2. Rotate the hold-down cross member to the desired position with the handle (3).
3. Tighten all of the M12 nuts.

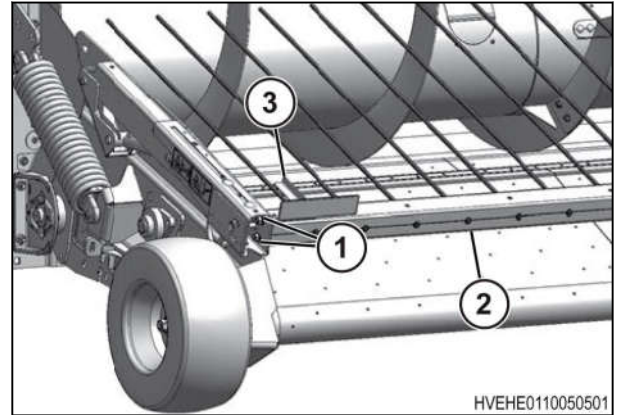


Fig. 35

3.5.9 Unplug the header



WARNING: Machine movement hazard.

Personal injury or machine damage can occur.

Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.

Procedure

1. Fully raise the hold down.
2. Disengage the pick-up draper drive.
3. Run the feeder in reverse with the combine reverse controls to clear the plug.

IMPORTANT: To prevent damage to the pickup motor, do not engage the feeder reverser for more than five seconds if the feeder and the auger will not turn.

IMPORTANT: Pickups cannot operate in reverse. Operating the pickup in reverse will seriously damage the pickup and/or the motor.

3.5.10 Adjust the pan seal assembly

Before starting the procedure



WARNING:

Lift the header fully and engage the header lift cylinder stop. Stop the machine engine and remove the key before doing any lubrication or any maintenance function.

A rubber flap in good condition seals the rear draper and prevents plugging. Draper connection hardware causes wear to the rubber flap. If plugging occurs between the rear draper and the pan seal bar, move, remove, or replace the rubber flap to stop plugging.

3.9 Prepare the header for storage

Procedure

1.  **CAUTION:**
Never use gasoline, naphtha, or any volatile material for cleaning purposes. These materials can be toxic and/or flammable.

Raise the header and engage the header lift cylinder stops on the combine.

2. Completely clean the header.
3. Store the header in a dry, protected area.
4. Put the header on blocks to take the weight off the tires.
5. Paint all worn or damaged painted surfaces to prevent surface rust.
6. Loosen the draper belts.
7. Lubricate the header. Leave extra grease on the lubrication fittings to keep moisture out of the bearings.
8. Apply grease to shown threads, shown cylinder rods, and any sliding surfaces of components.
9. Check for worn components, replace as necessary.
10. Check for broken components. Repair or replace broken components as necessary.
11. Replace or tighten any missing or loose hardware.

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4. Close the left side end shield (1) enough to align the magnet (2) and the stop (3).

Aligning the magnet and the stop aligns the latch pin (4) and the catch (5).

The factory sets the correct positions for the magnet and the latch pin. Do not change the positions of the magnet and the latch pin.

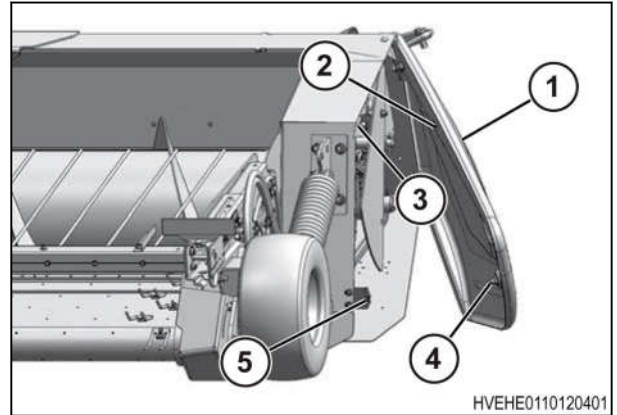


Fig. 8

5. Open the left side end shield (1) a small amount.
6. Install the support (2) on the left side end shield.
The washer (3) must be between the support and the left side end shield.
7. Install the nut (4).
Leave an 8 to 10 mm (5/16 to 3/8 in) gap between the washer and the nut. The gap permits the support to move.
8. Close the left side end shield.

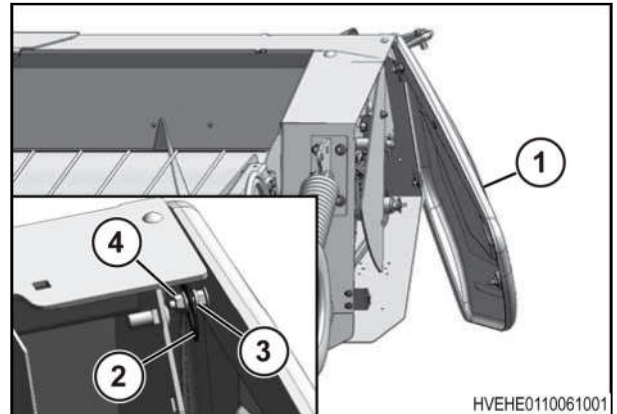


Fig. 9

4.4.3 Remove the right side end shield

Before starting the procedure



WARNING:

Lower the header or the feeder to the ground or raise and engage the header lift cylinder stop. Stop the machine engine and remove the key before doing any lubrication or any maintenance function.

Procedure

1. Lower the header (1) to the ground.



Fig. 10

4.6.3 Remove the rear draper belt

Procedure

1. Raise the hold-down to the maximum height and engage the hold-down cylinder supports.



WARNING:

Stop the machine engine and remove the key before doing any lubrication or any maintenance function.

2. Release the draper belt tension completely.
3. Use the following procedure to remove the end belt (1).
 - a) Remove the seven flange nuts (2).
 - b) Remove the belt edge protector (3).
 - c) Remove the seven pronged elevator bolts (4).
 - d) Remove the end belt.

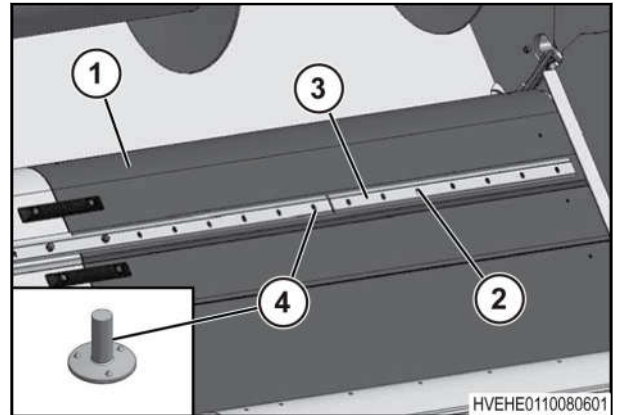


Fig. 33

4. Use the following procedure to remove the rear draper belt (1).
 - a) Remove the flange nuts (2).
 - b) Remove the connector bar (3).
 - c) Remove the pronged elevator bolts (4).
 - d) Remove the flange nuts (5) and the straps (6) connecting the belts.
 - e) Remove the elevator bolts (7).
 - f) Remove the rear draper belt (8).

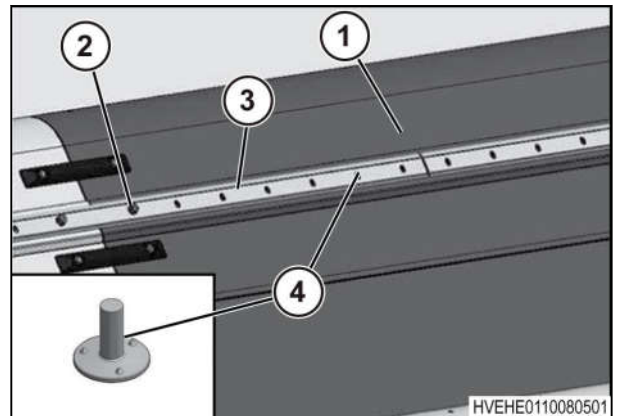


Fig. 34

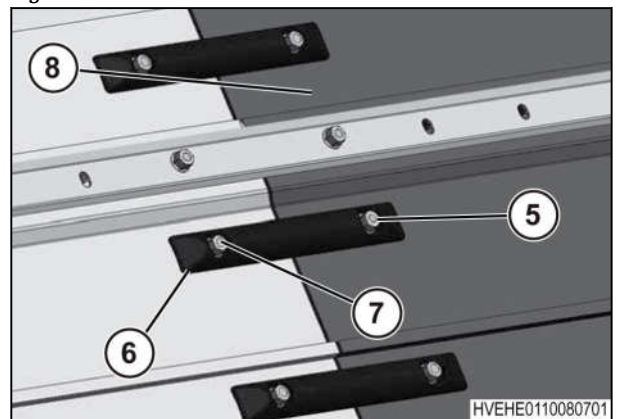


Fig. 35

Procedure

1. Disconnect the header driveline from the header.
2. Remove the driveline guard.
3. Remove and discard the bearings and the cross (1).
The bearings and the cross connect the clutch (2) and the header driveline yoke (3).
4. Install new bearings and a new cross in the existing header driveline yoke.
5. Install a new clutch on the bearings.
6. Install the driveline guard.
7. Install the header driveline on the header shaft.

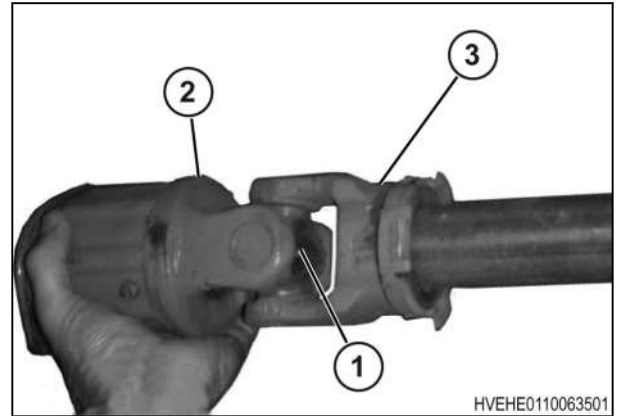


Fig. 54

4.8.5 Remove the driveline guard

Before starting the procedure



WARNING:

Stop the machine engine and remove the key before doing any lubrication or any maintenance function.

Remove the driveline guard only to do maintenance.

Procedure

1. Remove the driveline chains at the ends of the driveline.
2. Rotate the disc (1) on the driveline storage hook (2)
3. Remove the driveline from the hook.

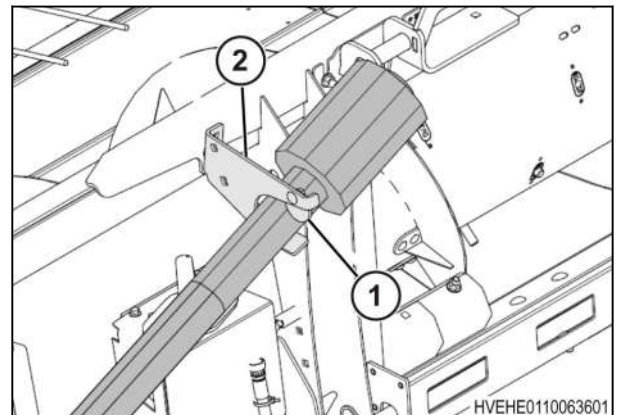


Fig. 55

10. Tighten the three hex screws (1) in equal amounts to 44 Nm (32 lbf ft).

Check and keep the sprocket faces in alignment while tightening the hex screws.

11. Tap the bushing (2).
12. Repeat the tightening and tapping procedure three times, or until the hex screws do not turn at 44 Nm (32 lbf ft).

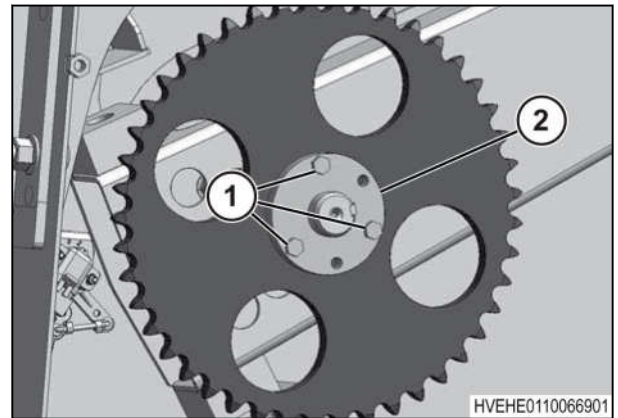


Fig. 78

18. Install the access panels (1).
19. Put thread sealant on the screws (2) and install. Tighten the screws to 8.5 Nm (75 lbf in).

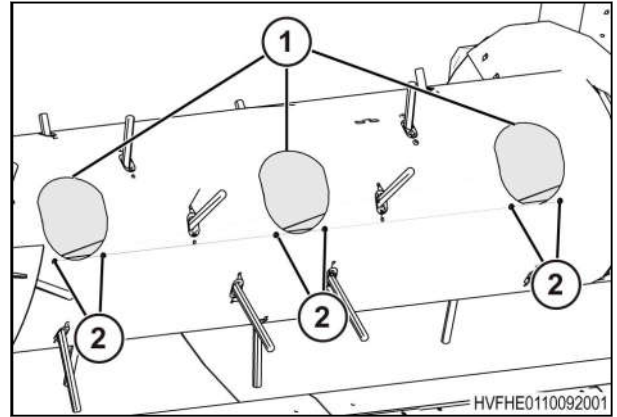


Fig. 107

4.10.4 Replace the stripper plates

Before starting the procedure



WARNING:

Lower the header to the ground. Stop the machine engine and remove the key before doing any lubrication or any maintenance function.

Get access to the auger and the stripper plate area from the top of the header.

Procedure

1. Remove the nuts (1) and the bolts (2) on a worn or damaged stripper plate (3).
2. Replace the stripper plate.
3. Install the nuts and the bolts. Do not fully tighten the nuts.
4. Adjust the stripper plate to get a clearance (A) of 3 mm to 11 mm (1/8 in to 7/16 in) with the auger flighting (4).
5. Tighten the nuts.
6. Check the clearance. Correct the clearance if necessary.

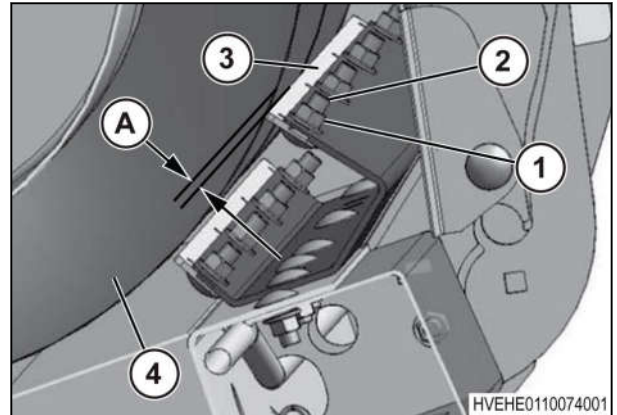


Fig. 108

4.10.5 Replace the flighting extensions

Replace flighting extensions with the header removed from the combine.

6. Loosen the nuts (1). Adjust the sensor to a clearance of 0.5 mm (0.02 in) between the sensor (2) and the sensor disc.
7. Tighten the nuts.
8. Install the right-hand end shield.

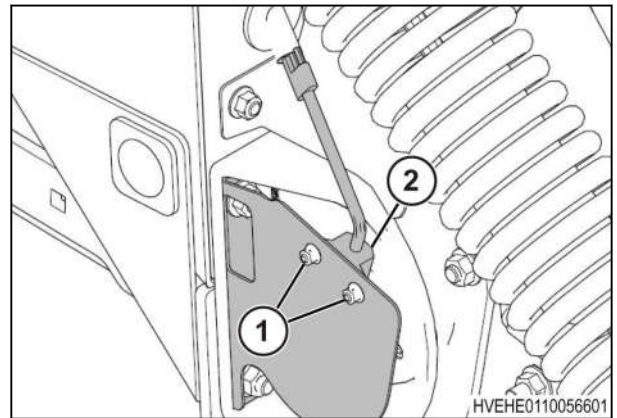


Fig. 126

4.13.4 Lamps



WARNING: Machine movement hazard.

Personal injury or machine damage can occur.

Park the machine on a solid level surface. Lower all implements to the ground. Stop the engine, apply the park brake, and take the key with you.

If necessary, use electrical tape and wire clips to prevent wires from dragging or rubbing.

Key the lamps clean. Replace bulbs that have burned out.

If a lamp housing has cracks or is broken, replace the lamp housing.

4.13.5 Adjust the transport lamps

Procedure

1. Park the machine on a solid, level surface.
2. Lower the header to the ground.
3. Stop the engine, apply the park brake, and take the key with you.
4. Use hand force to turn the lamps so the lamps are perpendicular to the end sheet. If the lamps are too loose or too tight, loosen or tighten the jam nut (1) so the lamps will turn with hand force.

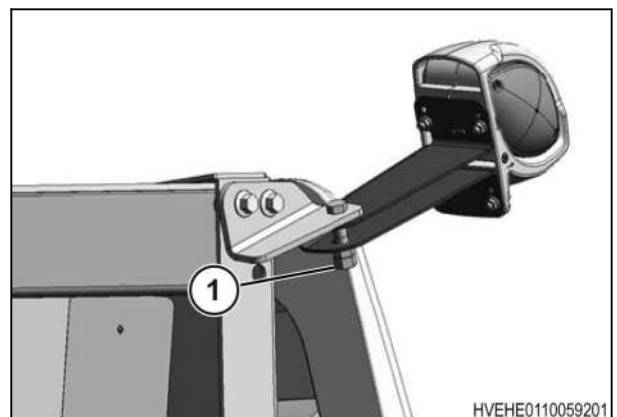


Fig. 127

6 Specifications

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Procedure

1. Connect a spreader bar (1) to a forklift or equivalent. Make sure the spreader bar has a working load of at least 2270 kg (5000 lb).
2. Connect the spreader bar chains (2) to the lifting lug (3) on each end of the header as shown. Do not connect the chains to, or through any hold-down components.

IMPORTANT: *Damage to the header header from using any other method to lower the header will not be covered by the warranty.*

3. If the ground is soft, put two wood blocks (4) on the ground in front of the frame as shown.

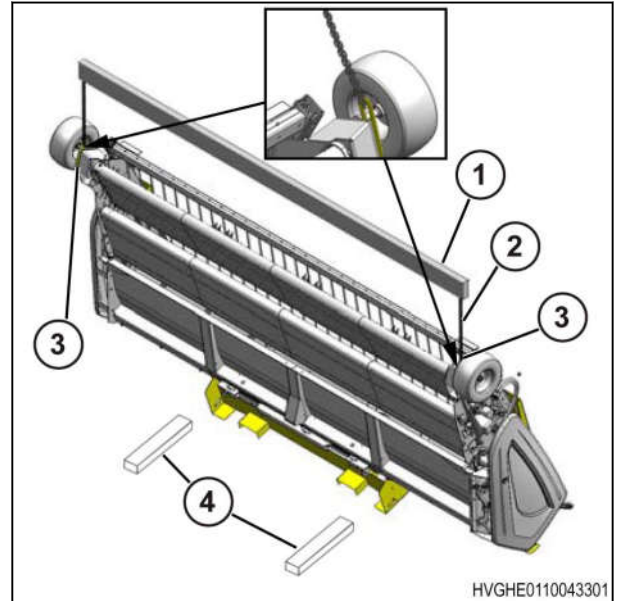


Fig. 3

4. Slowly back up the forklift to lower the header to the ground.
5. Remove the chains (1) from the header lugs.
6. Remove the shipping stands. See the information for removing the shipping stands.

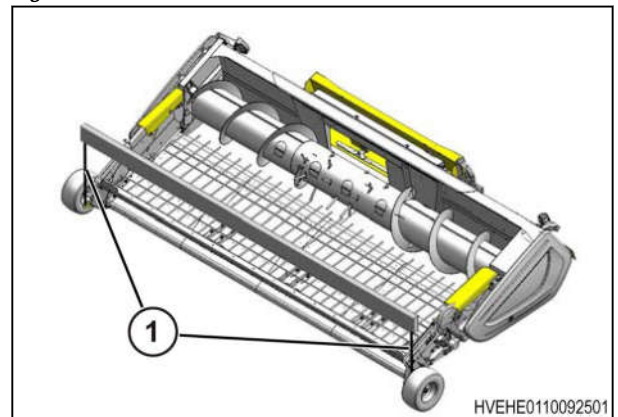


Fig. 4

11. Move the right stripper assembly (1) inboard. The dimension (A) is 505 mm (19.88 in) from the header centerline.
12. The distance (B) between the stripper assembly is 963 mm (37.88 in)

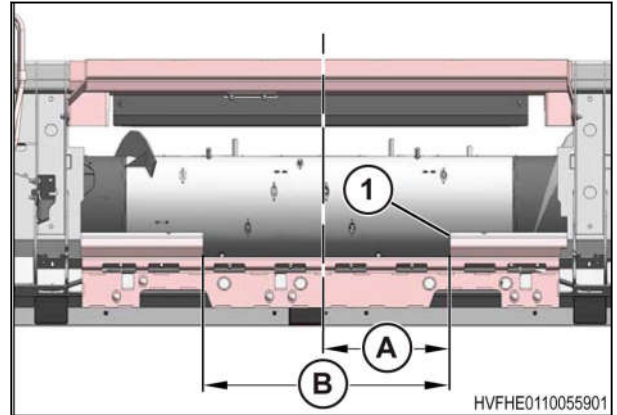


Fig. 32

13. Install the five bolts (1) where the stripper assembly mounting holes line up with the frame. Tighten the bolts.

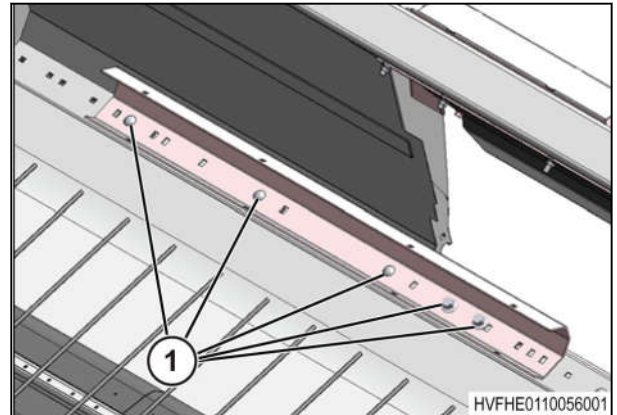


Fig. 33

14. **NOTE:** To improve access, the side panel installation can be performed after installing and removing the flighting extensions or auger fingers.

Remove the bolts (1) on the left stripper assembly.

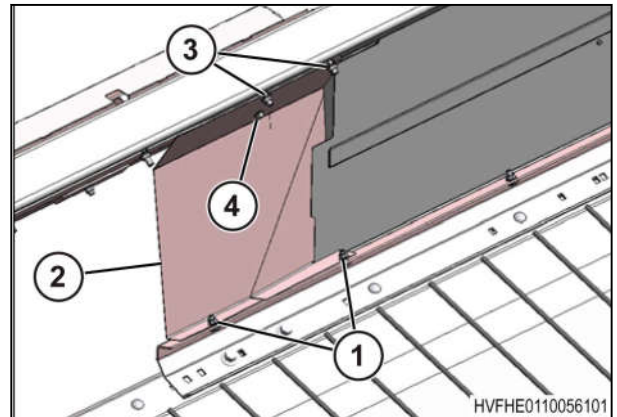


Fig. 34

15. Position the new left panel (2), lining up with the existing bolts (1) and (3).
16. Loosely install the bolt (4) through the side panel (2) and the top shield.
17. Tighten all the bolts that fasten the panel to the header.
18. Install the right panel the same way.

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