

88-, 110-, AND 132-INCH THREE-ROLLER BELT PICKUPS AND PICKUP PLATFORMS



JOHN DEERE

OPERATORS MANUAL

**88-, 110-, AND 132-INCH THREE-ROLLER
BELT PICKUPS AND PICKUP PLATFORMS**

OMH102834 D9 English

**HARVESTER WORKS
OMH102834 D9**

**LITHO IN THE U.S.A.
ENGLISH**



Y
C
D



D 9
4
3
8
2
0
1
H
O
M



To the Purchaser

This new belt pickup was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication, or adjustments and service. Read the Table of Contents to learn where each section is located.

 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

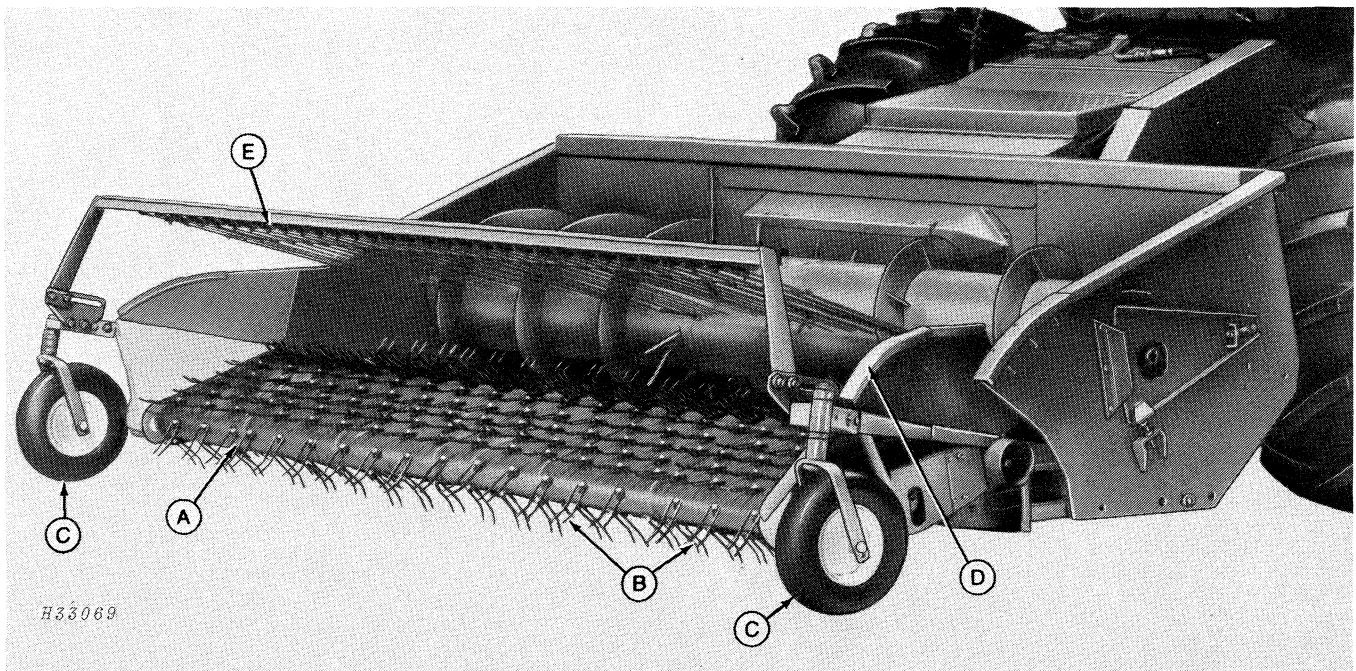
"Right-hand" and "left-hand" sides are determined by facing in the direction the belt pickup will travel when in use.

The operator's manual contains SI Metric equivalents which follow immediately after the U.S. customary units of measure.

Record the date of purchase in the space provided on page 45. Your dealer needs this information to give you prompt, efficient service when you order parts. If your belt pickup requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

The warranty on this belt pickup appears on your copy of the purchase order which you should have received from your dealer when making your purchase. This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied.



A—Belt Pickup

B—Pickup Fingers

C—Gauge Wheel

D—End Shields

E—Windrow Holddown



Contents

	Page		Page
SAFETY SUGGESTIONS	2	TROUBLE SHOOTING	12
OPERATION	3-6	ASSEMBLY AND INSTALLATION	13-40
Pickup Speed	3	Support Arms, Belts, and Hold-Down	13
Mechanical Drive (6601)	3	Preparing 6601 Platform for Belt Pickup	14
Hydrostatic Drive	3	Mechanical Drive	14
Pickup Pitch	4	Installing Stripper Support Plate	14
Normal Windrow Conditions	4	Installing Belt Pickup	15,16
Poor Windrow Conditions	4	Installing Mechanical Drive Parts	
Rocky Conditions	5	and Shields	16-18
Pickup Height	5	Preparing Quik-Tatch Cutting Platform	
Adjusting Gauge Wheels	5	for Belt Pickup	19
Adjusting Windrow Hold-Down	6	Hydraulic Drive for Cutting or	
Transporting	7	Pickup Platform	19
Storage	7	Installing Belt Pickup	20-22
LUBRICATION	7	Installing Stripper Support Plate	20,28
SERVICE	8-11	Installing Hydrostatic Drive Parts	23-25
Connecting Hydrostatic Drive Hoses	8	Preparing 200 Series Rigid Platform	
Tightening Hydrostatic Pump Drive Belt	8-9	for Belt Pickup	26
Adjusting Pickup Drive Belt (6601)	9	Installing Belt Pickup	28,29
Adjusting Pickup Drive Chain	9	Installing Stripper Support Plate	29
Adjusting Lower Roller Drive Chain	9	Installing Hydrostatic Drive Parts	30,31
Pickup Belts	10	Preparing Pickup Platform for Belt	
Adjusting Tension	10	Pickup	32,33
Removing Belts	10	Installing Auger Flight Extensions	34
Installing Belts	10	Installing Hydrostatic Drive Parts	34,35
Installing Lacing	10	Installing Hydrostatic Drive on 3300,	
Replacing Pickup Fingers	11	4400, 6600, SideHill 6600, and 7700	
Stripper	11	Combines	36-40
Tire Inflation	11	ATTACHING PLATFORM	41-43
		Attaching Platform to 3300, 4400,	
		6600, 7700 and 7701 Combines	41
		Attaching Platform to 4400, 6620,	
		7720, 7721, and 8820 Combines	42
		Attaching Platform to SideHill 6600,	
		and SideHill 6620 Combines	43
		ATTACHMENTS	44
		SPECIFICATIONS	45



Safety Suggestions

! Safety of the operator was one of the prime considerations in the minds of John Deere engineers when this belt pickup was designed. Shielding, simple adjustments, and other safety features were built into the belt pickup wherever possible. Modifications to the machine may impair the function and or safety and affect machine life.

AVOID CONTACT WITH MOVING PARTS

Keep hands, feet, and clothing away from power-driven parts.

Never clean, lubricate, or adjust the belt pickup when combine is running.

Never attempt to clear obstructions off the belt pickup unless combine is shut off or PTO is disengaged and the tractor engine is shut off.

OPERATE SAFELY

Clothing worn by operator must be fairly tight and belted. Loose jackets, shirts, or sleeves must never be worn.

Any time work is being done under platform, the hydraulic cylinder safety stops must be placed in the safety position. Refer to pages 41, 42, and 43.

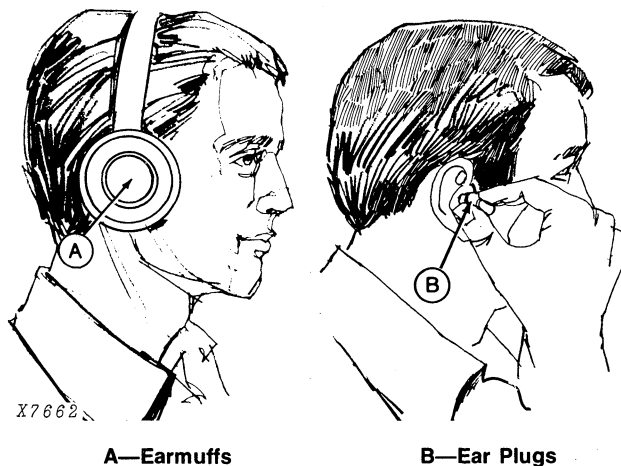
AVOID HIGH PRESSURE LEAKS

Escaping hydraulic fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, relieve all pressure. Before applying pressure to the system, all connections must be tight and lines, pipes, and hoses must be in good condition.

Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

PROTECT AGAINST NOISE



Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or ear plugs (B) to protect against objectionable or uncomfortable loud noises.

SAFETY DECALS

! **CAUTION or WARNING:** Decals with these headings and symbol indicate the possibility of personal injury.

IMPORTANT: Decals with this heading indicate the possibility of damage to the machine.

Decals are located in areas where they apply.

LEAVING COMBINE UNATTENDED

Before leaving the combine unattended, turn off engine and remove keys, support the header with either the hydraulic cylinder safety stop, or lower it to the ground. The gearshift lever must be in neutral and the parking brake engaged. Lock cab doors.



Operation

PICKUP SPEED

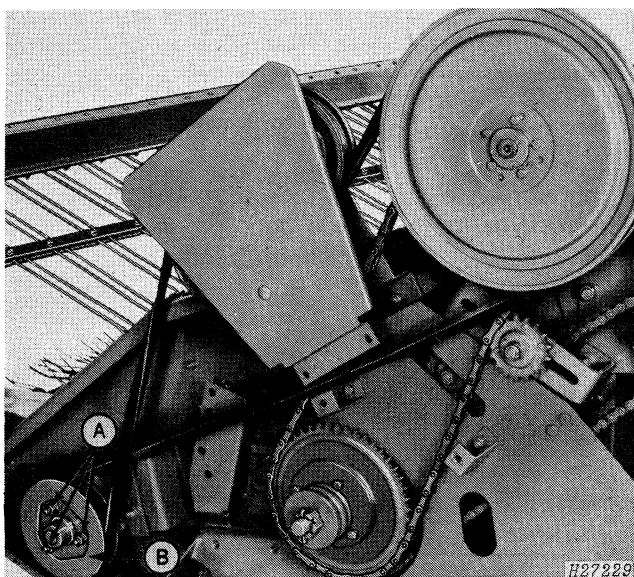
Successful operation depends largely upon the speed and pitch of the belt pickup.

If the crop is pushed ahead of the belt pickup or if it does not release from the stripper, pickup speed is too slow.

If the windrow is torn apart as it is elevated onto the platform, pickup speed is too fast.

6601 Mechanical Drive

Speeds within the range of 387 to 490 rpm on 6601 Combines are obtained by changing location of the washers (A) on the adjustable driven sheave (B).



A—Washers

B—Adjustable Driven Sheave

6601 Combine Illustrated

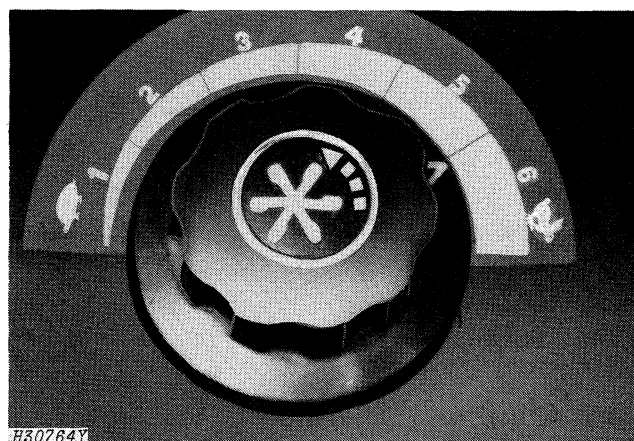
To decrease speed, remove washers (A) from between sheave halves and place them on the outside as shown above.

To increase speed, add these washers between the sheave halves.

One set of washers alters the speed approximately 23 rpm.

Hydrostatic Drive

The hydrostatic belt pickup drive on all self-propelled combines enables the operator to vary the speed of the belt pickup without leaving the operator's platform.



The belt pickup speed may be changed from 50 rpm to 450 rpm by turning the control knob on the console.

To increase pickup speed, turn knob to the right.

To decrease pickup speed, turn knob to the left.

Use the reference indicator to return to the speed previously found best suited for a particular crop or field condition.

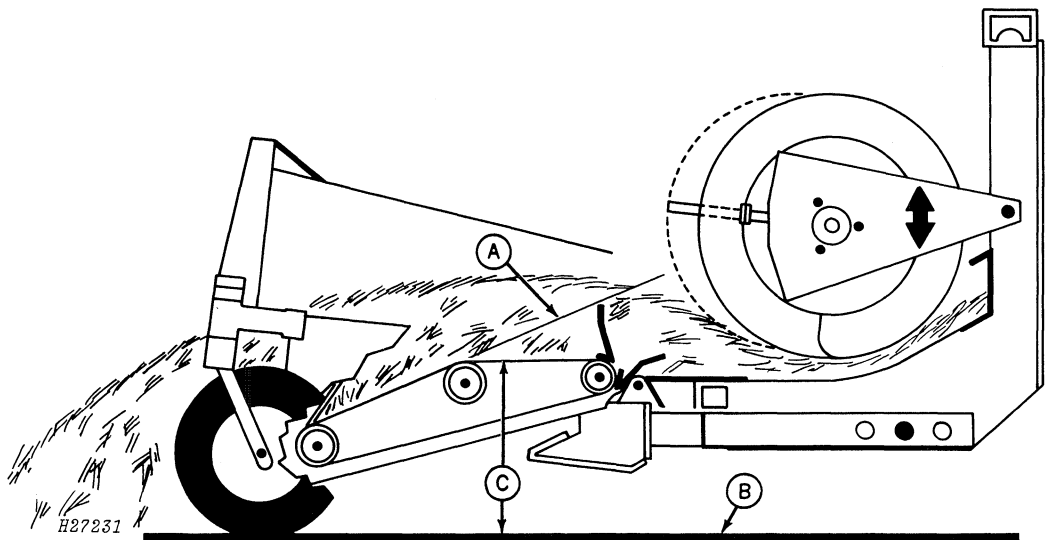
PICKUP PITCH

In addition to proper speed, correct pitch of the belt pickup is important for good pickup operation.

By raising or lowering the platform, pitch can be regulated to accomodate varying field and crop conditions. Raise the platform to increase pitch; lower the platform to decrease pitch.

If the pitch is altered considerably, check the distance between the pickup fingers and the ground. If the fingers are digging into the ground, lower the gauge wheel; if the fingers are not low enough to gather all the grain, raise the gauge wheel. See Adjusting Gauge Wheels, page 5.

Normal Windrow Condition



A—Pitch Line

B—Ground Line

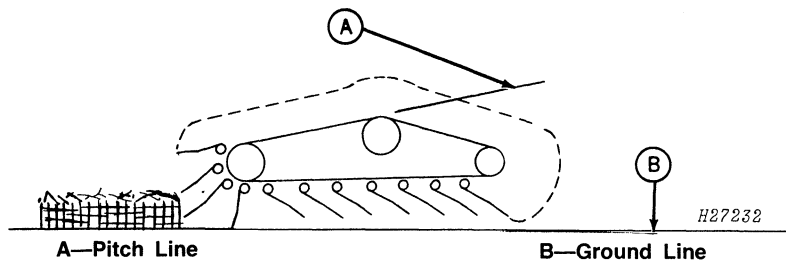
C—Parallel to Ground Line

If the ground conditions are normal and the windrow is lying on top of the stubble and off the ground, operate the belt pickup as level as possible between the center and drive rollers.

IMPORTANT:

This portion of the belt pickup should be parallel with the ground, to provide good pickup and direct, positive feeding to the platform auger.

Poor Windrow Condition



A—Pitch Line

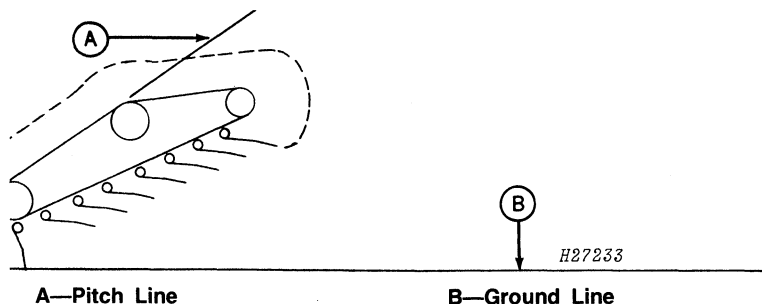
B—Ground Line

If the windrow is embedded in the stubble, if the stubble is short, or if the windrow is lying on the ground, decrease the pitch of the pickup. This position will allow more fingers to come closer to the ground, providing a better combing action.

When the pitch is decreased, the pickup fingers may pick up dirt. To eliminate this condition, lower the gauge wheels 1/2 inch (13 mm) at a time until the fingers no longer dig into the ground. (See Adjusting Gauge Wheels, page 5).

IMPORTANT: Do not decrease pitch to a point where the pickup bottom is parallel with the ground. This will allow the lower mounting arms to dig into the ground in dips and swales and cause serious damage to the platform.

Rocky Conditions



Increase the pitch of the belt pickup only in rocky conditions to prevent rocks from being carried into the platform auger. Check stone traps daily and clean out any stones.

IMPORTANT: When operating in this position, make certain the gauge wheels are in full contact with the ground to prevent missing strips of the crop.

Because of the increased pitch, windrow delivery to the platform auger may tend to feed higher than normal. To control this condition, adjust the hold-down to its lowest position and reduce the speed of the belt pickup (page 3). On 200 Series and Pickup Platforms Serial Number (217601-) move the platform to the 8-inch (203 mm) forward position.

PICKUP HEIGHT

If the pitch is altered considerably, check the distance between the pickup fingers and the ground. Operate the belt pickup just low enough to allow the pickup fingers to gather in all the grain, but high enough so fingers do not dig into the ground.

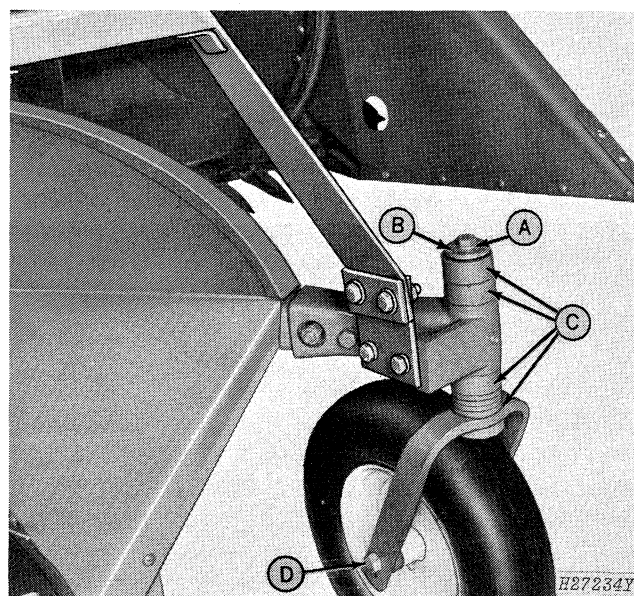
The distance between pickup fingers and the ground is regulated by adjusting the gauge wheels up or down. If fingers are digging into the ground, lower the gauge wheels. If fingers are not low enough to gather all the grain, raise the gauge wheels.

Adjusting Gauge Wheels

To adjust the gauge wheel, first remove the cap screw (A) and washer (B).

To raise the gauge wheel, position the spacers (C) on top of yoke bearing.

To lower the gauge wheel, position the spacers (C) below the yoke bearing.



A—Cap Screw
B—Washer

C—Spacers
D—Upper Hole

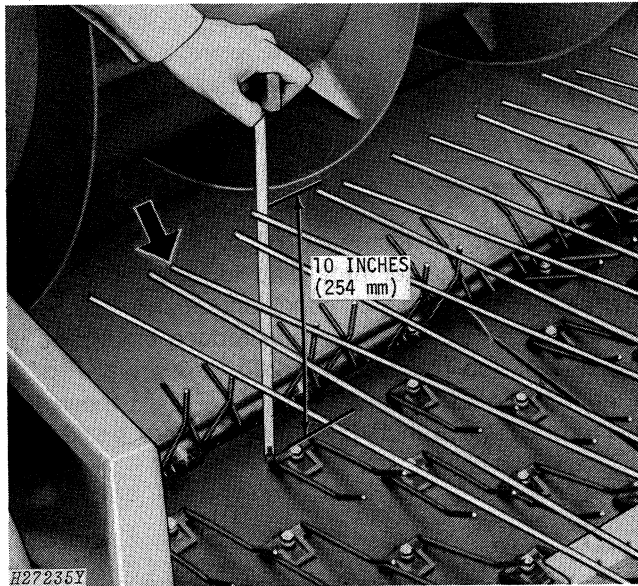
6601 Pickup Platform Illustrated

After adjusting gauge wheel, replace washer (B) and cap screw (A).

Always keep wheel assembly in upper hole (D).

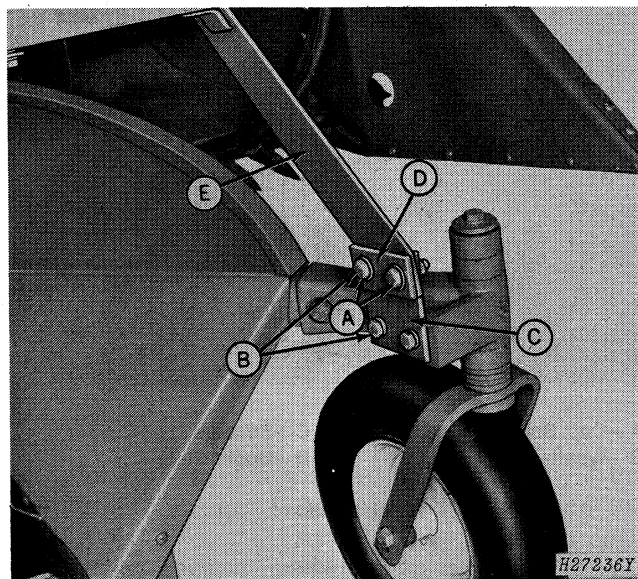
ADJUSTING WINDROW HOLD-DOWN

The windrow hold-down eliminates bunching and overriding by deflecting the windrow downward into the platform auger.



The hold-down must be adjusted so the fingers are 10-inches (254 mm) from the roller as shown. This is important to assure proper feeding under the platform auger.

6601 Belt Pickup



- | | |
|---------------------------------------|-----------------------|
| A—1/2x1-3/4-inch Cap Screws | D—Reinforcement Plate |
| B—17/32x1-1/16x.090-inch Flat Washers | E—Support Arm |
| C—Extension Plate | |

6601 Illustrated In High Position

To adjust hold-down, loosen the upper cap screws (A) and lift or push down on fingers until the desired

height is obtained. Tighten cap screws (A) after adjusting.

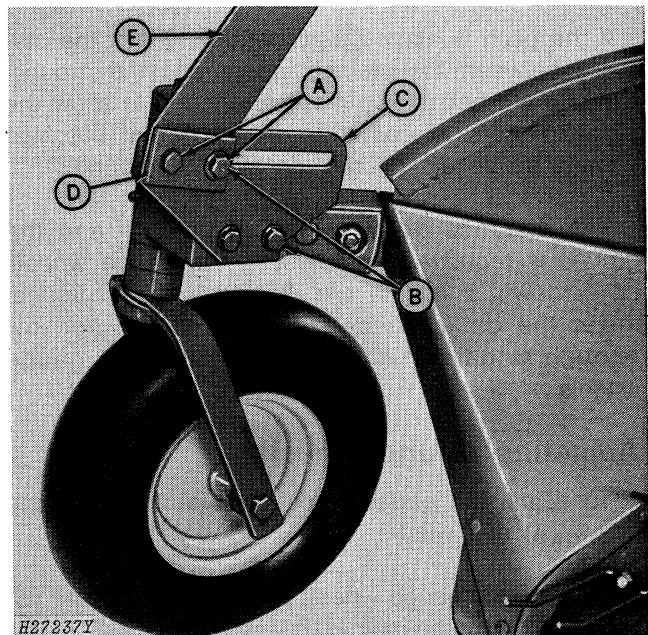
The hold-down is shipped in HIGH POSITION and in most cases should be left in this position.

However, if the windrow is very light with short straw, the hold-down should be placed in LOW POSITION.

After changing to low position, place the 1/2 x 1-1/2-inch cap screws in the top holes in the extension plate (C) for safe keeping. The 1/2 x 1-3/4-inch cap screws are always used when the reinforcement plate (D) support arm (E) and the extension plate (C) are bolted together.

Check to be certain there is still a 10-inch (254 mm) dimension from hold-down fingers to roller. Re-adjust if necessary.

Belt Pickup On Quik-Tatch, 200 Series, And Pickup Platforms



- | | |
|---------------------------------------|-----------------------|
| A—1/2x1-1/2-inch Cap Screw | C—Adjusting Plate |
| B—17/32x1-1/16x.090-inch Flat Washers | D—Reinforcement Plate |
| | E—Support Arm |

NOTE: Adjust hold-down in slot when pickup is adjusted in and out.

When pickup is in rear position, hold-down must be in front of slot.

When pickup is in mid-position hold-down must be in center of slot.

When pickup is in outer position, hold-down must be in rear of slot.

TRANSPORTING

When transporting the belt pickup, raise the platform to its highest position and lower the hydraulic cylinder safety stop.

See combine operator's manual for other transporting instructions and safety precautions when driving on a road or highway.

STORAGE

Do not allow belt pickup to stand idle on wet or muddy ground.

Remove pickup belts and store in a dry cool place where they will not be damaged. Do not roll the belts.

Paint rollers and all sheet metal parts to prevent rust.

Lubricate all grease fittings thoroughly before using belt pickup again.

Lubrication

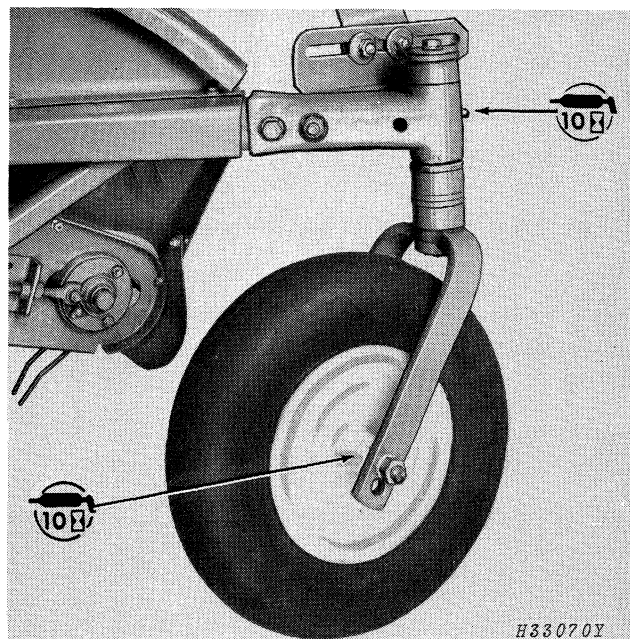
SYMBOLS



Lubricate with John Deere Multi-Purpose lubricant or an equivalent SAE multi-purpose type grease at hourly intervals indicated on the symbols.



CAUTION: Never lubricate or service pickup while it is running.



Lubricating Gauge Wheels - 6601 Belt Pickup Illustrated

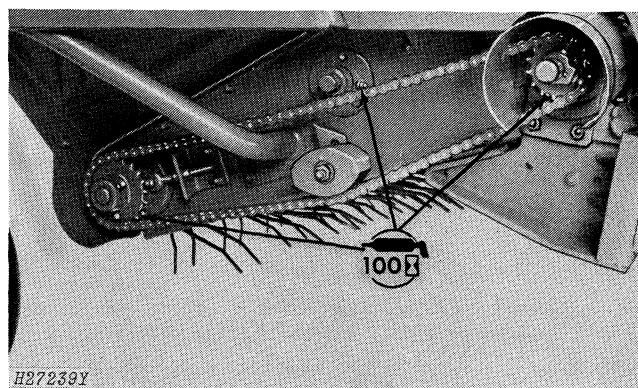
KEEP LUBRICANTS CLEAN

Use only high-grade lubricants which have been stored in clean containers. Wipe grease fittings clean before lubricating.

LUBRICATING CHAINS

Lubricate chains at frequent intervals with SAE 30 oil. Operate chains for several minutes so they are warm when oil is applied.

NOTE: Genuine John Deere Chain Lube in an aerosol can (part number PT508) may be obtained from your John Deere dealer. This is an ideal lubricant for roller drive chains.

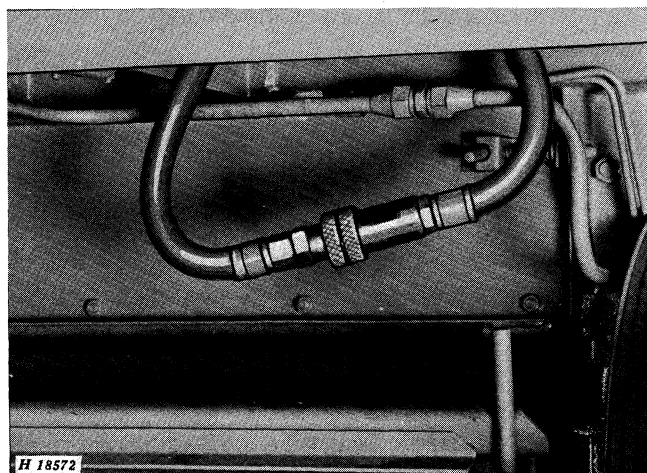


Lubricating Bearings, Both Sides - Left-Hand Side Illustrated



Service

CONNECTING HOSES ON HYDROSTATIC DRIVE

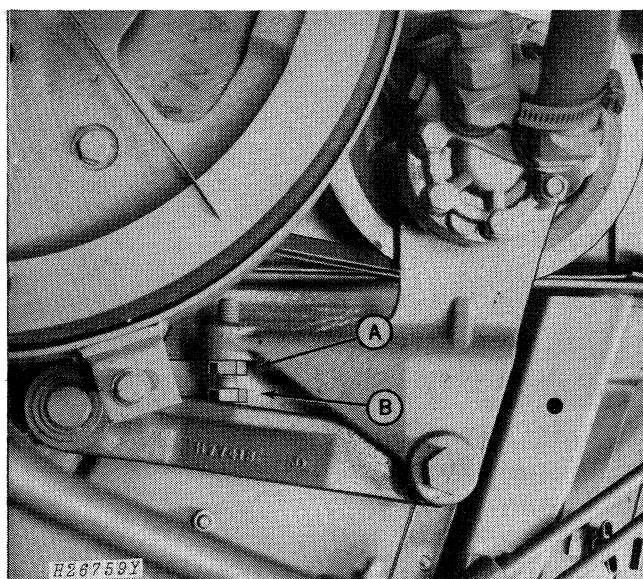


IMPORTANT: Whenever the hoses are disconnected from the oil lines to the motor, the hoses must be connected together as shown above.

If the hoses are not connected when the separator is engaged, extensive damage will result to the pump.

TIGHTENING PUMP DRIVE BELT ON HYDROSTATIC DRIVE

3300 and 4400 Combines



Loosen lock nut (A).

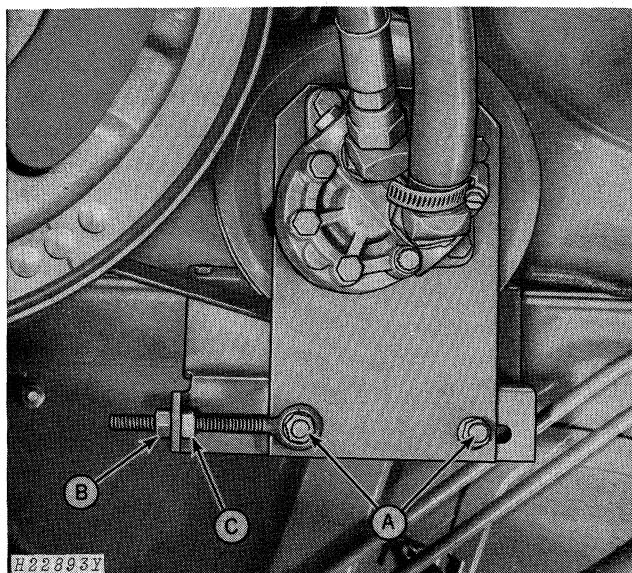
Turn cap screw (B) out against support casting, forcing pump sheave against belt.

Tighten belt until it will operate without slipping.

Tighten lock nut (A).

IMPORTANT: Keep this belt tight at all times.

6600 and 7700 Combines



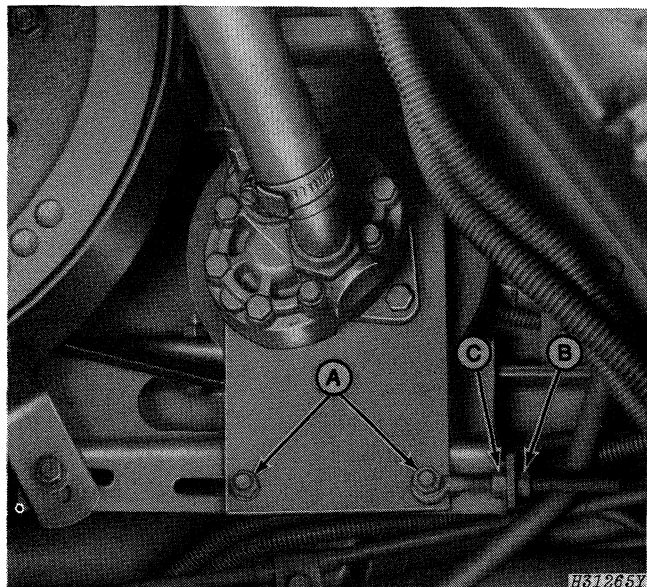
Loosen nuts (A) and nut (B).

Turn nut (C) until belt will operate without slipping.

Tighten nut (B) and nuts (A).

IMPORTANT: Keep this belt tight at all times.

6620, SideHill 6620, 7720 and 8820 Combines



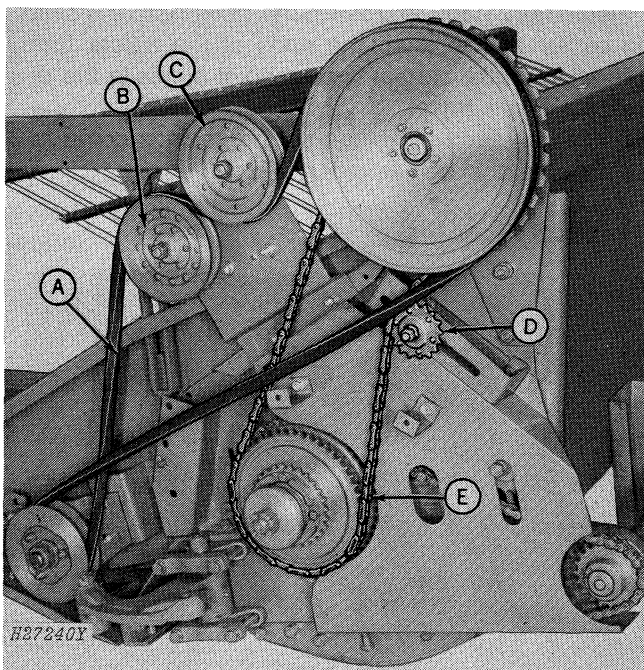
Loosen nuts "A" and nut "B."

Turn nut "C" until belt will operate without slipping.

Tighten nut "B" and nuts "A."

IMPORTANT: Keep this belt tight at all times.

ADJUSTING PICKUP DRIVE BELT (6601)



A—Drive Belt

B—Sheave

C—Sheave

D—Nut

E—Drive Chain

Tighten drive belt (A) just enough so that belt slippage will not occur in normal operation. Loosen nuts on the tightener sheaves (B) and (C) with the most slot space available and adjust sheaves as necessary to obtain proper belt tension.

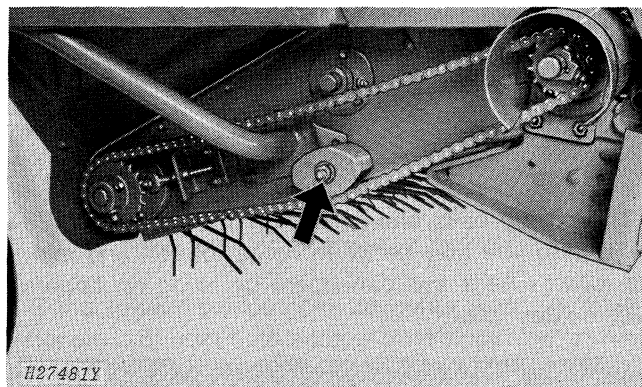
ADJUSTING PICKUP DRIVE CHAIN

Loosen nut (D).

Move tightener against chain (E). Chain is a proper tension when it will operate without climbing or jumping sprockets.

Tighten nut (D).

ADJUSTING LOWER ROLLER DRIVE CHAIN

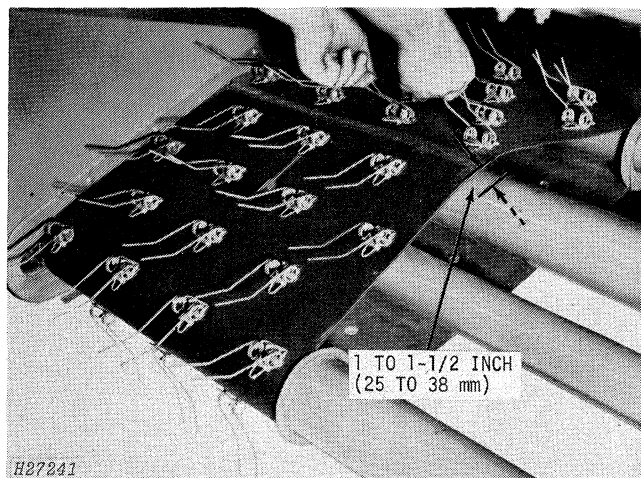


Adjust chain tension so that chain is just tight enough to run without climbing or jumping sprockets. Be certain that all sprockets are properly aligned.

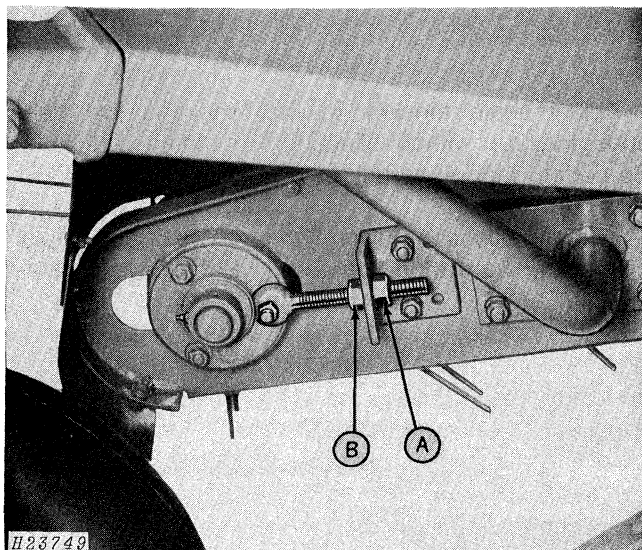
To adjust, loosen nut on tightener block and adjust block downward then tighten nut. See above illustration.

PICKUP BELTS

Adjusting Tension



The pickup belts should have 1 to 1-1/2-inch (25 to 38 mm) free play between center of belt and middle roller. Check this dimension by lifting on fingers over center roller.



110-Inch (2 794 mm) Pickup Illustrated

To tighten belts, loosen nuts (A) and tighten nuts (B). Lock nuts (A).

To loosen belts, loosen nuts (B) and tighten nuts (A). Lock nuts (B).

IMPORTANT: Too much tension causes undue wear on pickup belts and other parts. Tighten pickup belts just enough to prevent slipping when belt pickup is operating under normal crop conditions.

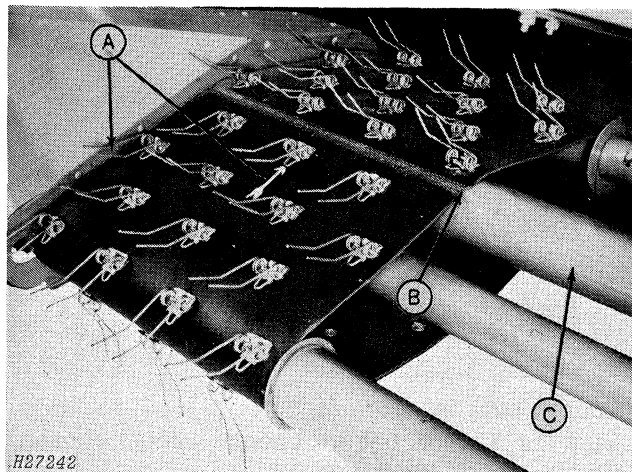
If belts ever become wet, recheck tension after they have dried.

Removing Belts

Relieve tension by loosening nuts (B) and tightening nuts (A).

Pull lacing pin out of lacings and remove belts.

Installing Belts



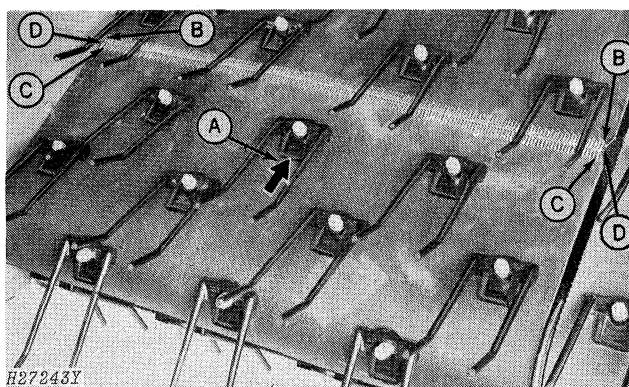
A—Fingers Pointing In Opposite Direction of Arms

B—Lacing Pin
C—Center Roller

Install right-hand and left-hand belts before installing center belt to keep the ends of the rollers from spreading. Make certain fingers point opposite the direction of belt travel.

Place belts around rollers so that lacings come together over the center roller.

Installing Lacing



A—Directional Arrow
B—Top Lacing

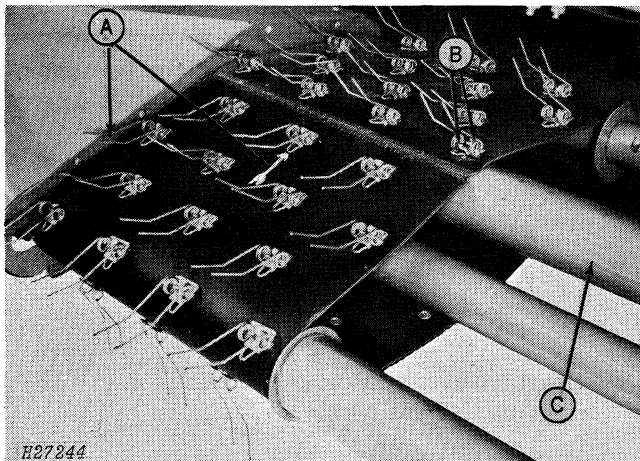
C—Bottom Lacing
D—Lacing Pin

Hold lacings together and insert lacing pin, then adjust tension of belts.

IMPORTANT: Be certain the belt directional arrow (A) is pointing, as shown, and top lacing (B) is on the outside of bottom lacing (C). Lacing pin (D) must be bent 90 degrees on both ends.

REPLACING PICKUP FINGERS

If the fingers become worn, bent, or damaged, straighten or replace them immediately.



A—Fingers Pointing In Opposite Direction Of Arrow

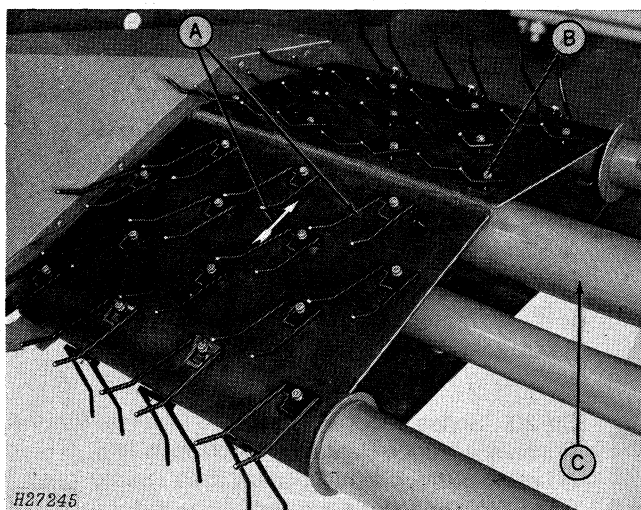
**B—Lock Nut and Clip
C—Center Roller**

Spring-Tooth Fingers

Turn belt pickup drive sheave until the finger that is to be replaced is directly over the center roller (C).

Spring Tooth Finger: Remove lock nut, clip, and finger. Install new finger so it points opposite the direction of belt travel (A). Secure with clip and lock nut (B).

Plastic Finger: Remove nut and finger. Install new finger so it points opposite the direction of belt travel (A). Secure with nut, making certain shoulder of bolt is seated in base of finger. (Tighten to 55 in-lbs [75 Nm] torque).

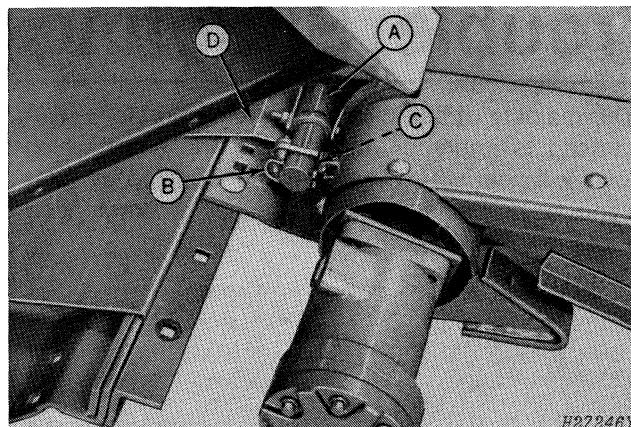


A—Fingers Pointing In Opposite Direction Of Arrow

**B—Lock Nut
C—Center Roller**

Synthetic Plastic Finger

STRIPPER (Quik-Tach and 200 Series Platforms Only)



**A—Rubber Stripper
B—Cotter Pin**

**C—Adjust Holes
D—Grain Slide**

Shield Removed for Illustrative Purposes

If the rubber stripper (A) becomes worn, remove cotter pins (B) from both ends of the stripper bar, move bar over, and replace cotter pins in the adjacent holes. Be certain to spread cotter pins.

The stripper must remain over the cutterbar to protect the knife guards from damage.

If the platform has no cutterbar and the stripper (A) is worn, turn the stripper on the bar to expose a new surface by punching a new row of holes and replacing the stripper.

TIRE INFLATION

Keep belt pickup tires inflated to 20 psi (1.40 bar) air pressure.



Trouble Shooting

The majority of belt pickup operating problems can be traced to improper adjustment. The chart which follows will help you when problems develop by suggesting a probable cause and the recommended remedy.

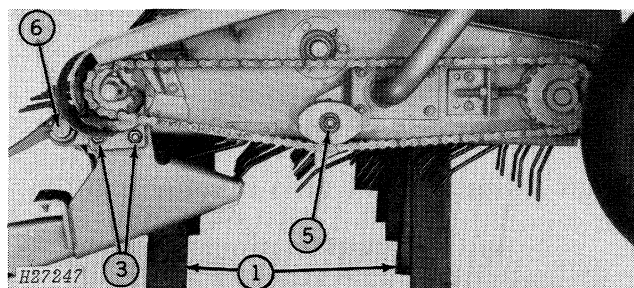
When you are trying to solve a problem, be certain the source is not from some place other than where the problem exists.

Problem	Cause	Remedy	Page
Windrow difficult to pick up or strips of crop not being picked up.	Short crop down in the stubble embedded in drill or wheel furrows.	Raise gauge wheels to allow fingers to run closer to ground.	5
	Gauge wheels not always contacting ground.	Lower platform to allow pickup to operate at less pitch.	--
	Pickup speed too slow.	Increase pickup speed.	3
Picking up dirt.	Improper gauge wheel setting.	Lower gauge wheels to prevent pickup fingers from digging in ground.	5
	Pitch of pickup too flat.	Raise platform so area between center and drive rollers is parallel with ground.	--
	Excessive pickup speed.	Decrease speed of pickup.	3
Picking up stones.	Improper gauge wheel setting.	Lower gauge wheels (1/2-inch [13 mm] increments) to increase finger clearance to ground.	5
	Excessive pickup speed.	Decrease speed of pickup.	3
	Pitch of pickup too flat.	Raise platform to increase pitch.	--
Pickup feeds too high on auger.	Excessive pitch on pickup.	Lower platform so area between center and rear rollers is parallel with ground.	--
	Pickup too close to auger - Pickup Platform and 200 Series Platform.	Move pickup to outer position.	--
	Hold-down fingers not adjusted properly.	Adjust hold-down fingers to provide more compression of crop at rear of pickup.	6
	Excessive pickup speed.	Decrease speed of pickup.	3
Windrow rolls ahead of pickup.	Speed of pickup too slow.	Increase speed of pickup.	3
Material builds up at pickup stripper or builds up between pickup stripper and auger.	Speed of pickup too slow.	Increase speed of pickup. Move pickup to inner position on pickup platform and 200 Series Platform.	3
	Adjust platform auger down.	Platform auger not adjusted properly.	
Material bunching on pickup.	Improper hold-down adjustment.	Raise hold-down to high position.	6
Platform auger plugging.	Auger not adjusted properly.	On 200 Series Rigid Platforms increase auger clearance to platform bottom. Check auger fingers. See combine operator's manual.	--
Material not feeding properly into feeder house.	Short crop feeding conditions.	Adjust auger to platform stripper, auger to platform bottom, or auger flight extensions required.	40

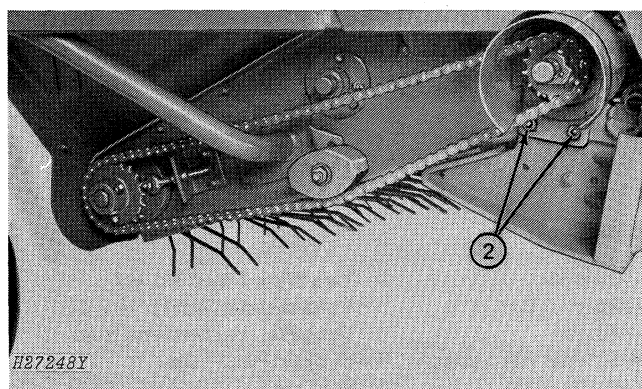


Assembly and Installation

ASSEMBLING SUPPORT ARMS, BELTS, AND HOLD-DOWN



Right-Hand Side - 6601 Illustrated



Left-Hand Side - Pickup Platform Illustrated

1. Set the belt pickup on a sturdy support.
2. Attach left-hand support arm to bearing carrier with two 7/16 x 1-1/2-inch plow bolts and two 7/16 x 1 x .075-inch washers.
3. Attach right-hand support arm to bearing carrier with two 7/16 x 1-1/2-inch plow bolts and two 7/16 x 1 x .075-inch washers.

(If pickup is to be installed on combine immediately, Steps 4 through 7 are more easily done after pickup is attached to platform.)

4. Install pickup belts. See installation instructions on Page 10.

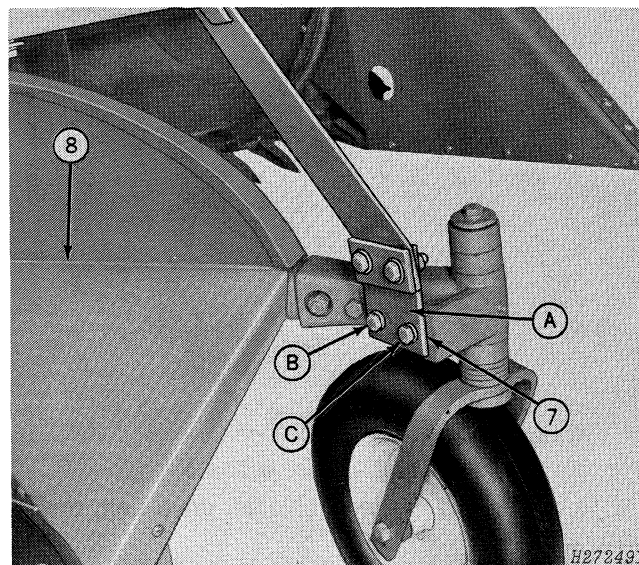
5. Adjust drive chain to proper tension so it will operate without climbing or jumping sprockets.

6. (6601 Pickup, Quik-Tatch, and 200 Series Pickup) Install stripper (Page 11).

7. Install windrow hold-down by attaching extension plate "A" to gauge wheel yoke bearing with a 1/2 x 1-1/2-inch cap screw and a 17/32 x 1-1/16 x .090-inch flat washer at "B" and a 1/2 x 1-1/2-inch cap screw at "C."

Adjust hold-down fingers to proper position as shown on Page 6.

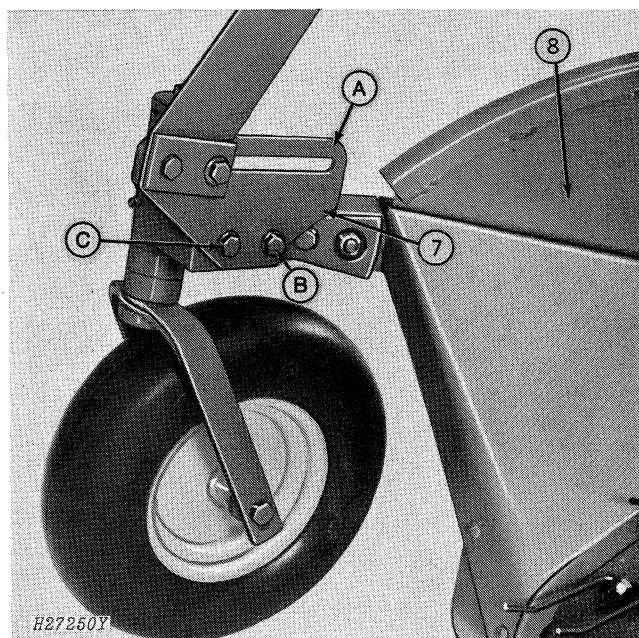
8. Install shields, using (three each side) 1/4 x 1/2-inch cap screws, 9/32 x 5/8 x .060-inch flat washers, and lock washers and four existing round head bolts.



A—Extension Plate
B—Cap Screw with Flat Washer

C—Cap Screw

Belt Pickup for 6601 Illustrated



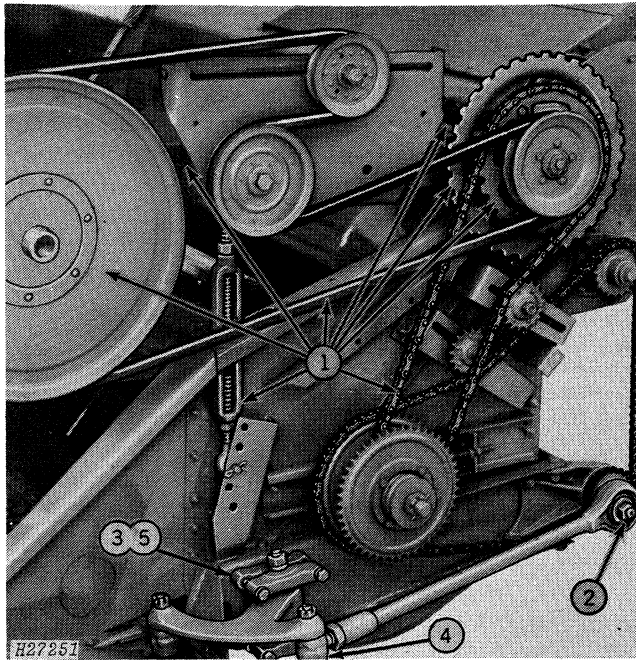
A—Extension Plate
B—Cap Screw with Flat Washer

C—Cap Screw

*Quik-Tatch, 200 Series, and Pickup Platform
Belt Pickup Illustrated*

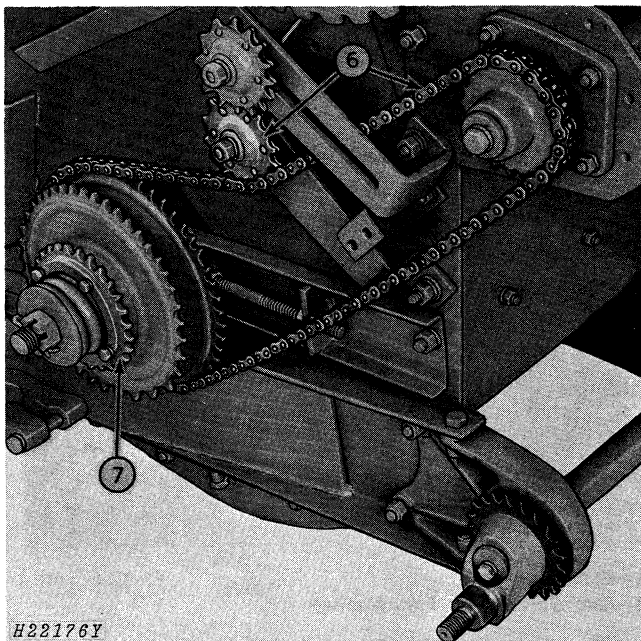
PREPARING THE 6601 PLATFORM FOR THE BELT PICKUP

Mechanical Drive 6601 Combine



6601 Cutting Platform Illustrated

1. Remove loop dividers, shields, drive belt, drive chain, and reel.
2. Disconnect pitman from crank; replace nut on crank.
3. Remove the four clamps holding bell crank in place.
4. With the bell crank attached, pull the knife out of the cutterbar.
5. Reattach the four clamps to the platform.

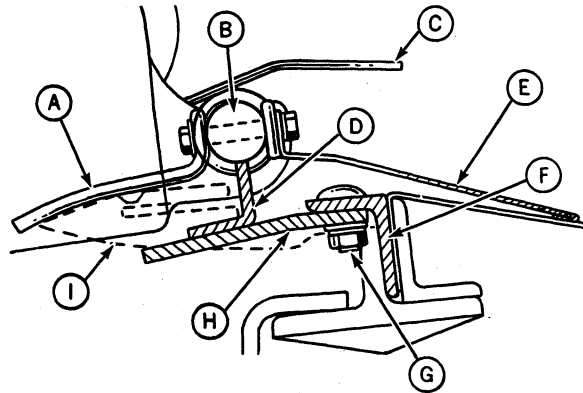


6601 Cutting Platform Illustrated

6. Remove 18 links from pitman and auger drive chain. Reinstall auger drive chain and adjust tension.

7. Remove the 27-tooth sprocket and store sprocket and hardware with cutting parts that were removed. Secure the 47-tooth sprocket, using three 5/16 x 2-inch cap screws.

Installing Stripper Support Plate



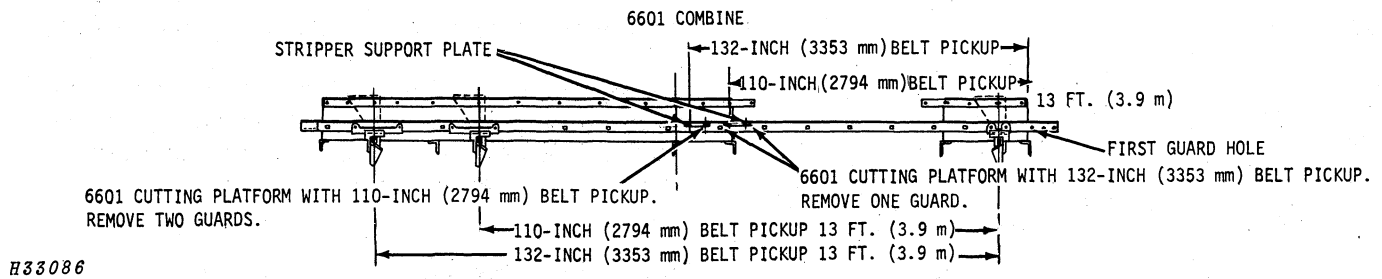
H27252

- | | |
|------------------------|---------------------------------|
| A—Stripper | G—Two 3/8 x 1-inch Rd. Hd. |
| B—Stripper Bar | Bolts with 13/32 x 13/16 x .060 |
| C—Finger | -inch Flat Washers and Nuts |
| D—Stripper Bar Support | H—Support Plate - Off- |
| E—Grain Slide | Set Down |
| F—Cutterbar Angle | I—Guards |

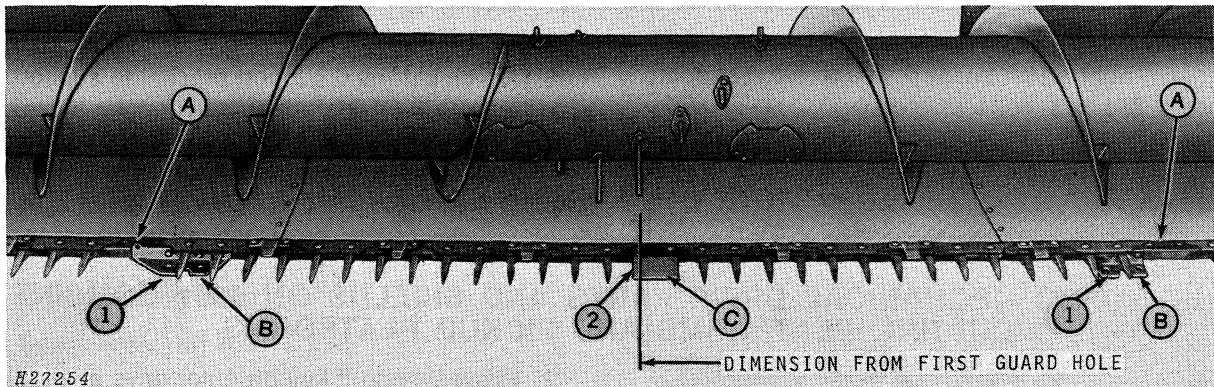
6601 Platforms

The stripper bar support rests on the support plate, which is bolted, with offset down, to the underside of the cutterbar angle.

Installing Belt Pickup



NOTE: The above chart shows where to install pickup support arms and where to remove the guards.



A—Remove Guard

B—Mounting Bracket

C—Stripper Support Plate

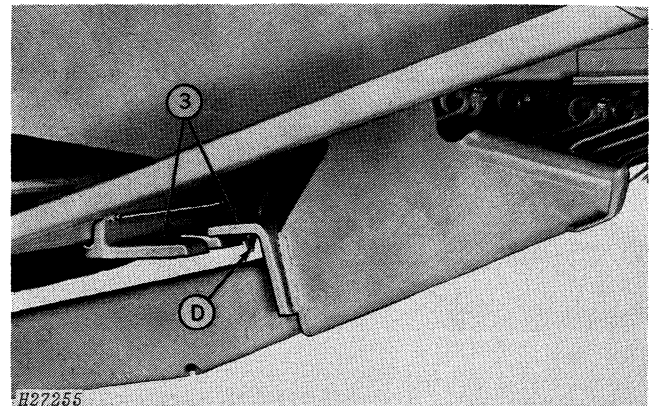
1. Remove guards (A) then attach the left-hand and right-hand mounting brackets (B) to platform with 3/8 x 1-1/2-inch cap screws. Refer to the chart above for correct location.

NOTE: Check bracket and make certain that the "110-inch (2 794 mm), or 132-inch (3 353 mm)" side is to the front.

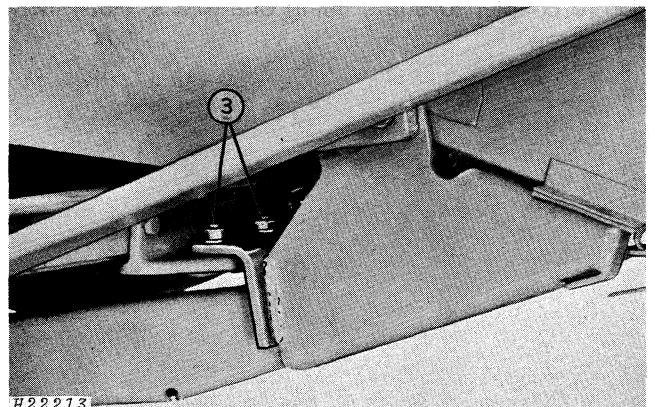
2. On cutting platforms remove guard and knife clip then attach the stripper support plate (C) (with offset down) to the underside of cutterbar angle with two 3/8 x 1-inch carriage bolts.

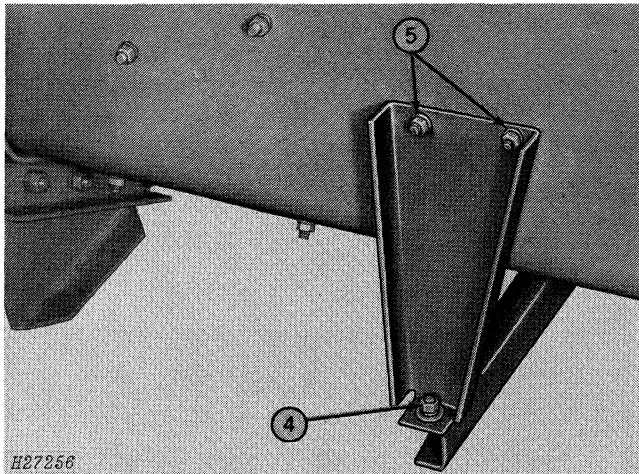
3. Move the combine forward until mounting brackets are a few inches from the brackets on the support arms.

Using aligning pins (D) as a guide in the slot of mounting bracket, slide pickup into position and attach support arms to mounting brackets with four 3/8 x 1-1/4-inch carriage bolts. Be certain carriage bolts are inserted from underside of mounting brackets.



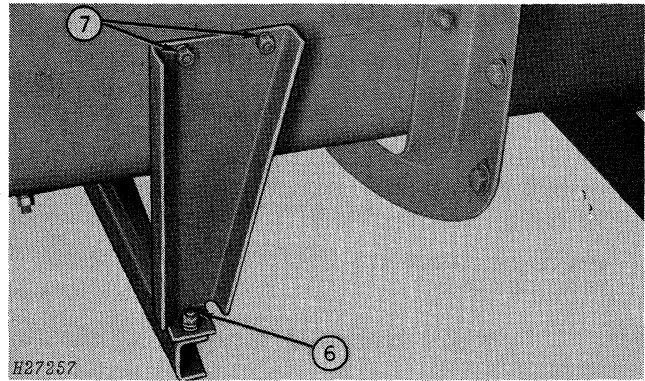
D—Aligning Pins





4. Attach right-hand support bracket to support arm, using $3/8 \times 1$ -inch cap screw.

5. Bolt bracket to platform, using two $3/8 \times 1$ -inch cap screws.

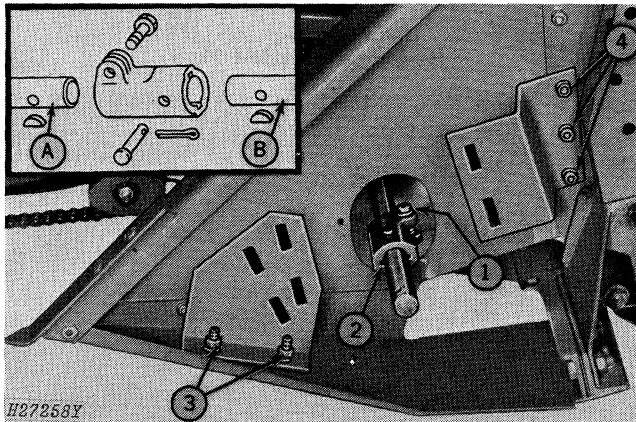


110-Inch (2 794 mm) and 132-Inch (3 353 mm) Belt Pickup on 6601 Combine

6. Attach left-hand support bracket to support arm, using one $3/8 \times 1$ -inch cap screw.

7. Bolt bracket to platform, using two $3/8 \times 1$ -inch cap screws.

INSTALLING MECHANICAL DRIVE PARTS AND SHIELDS ON 6601 COMBINE CUTTING PLATFORMS AND PICKUP PLATFORMS



A—Inner Drive Shaft

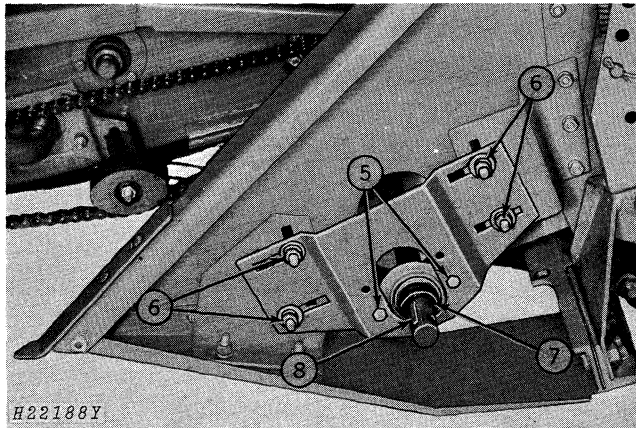
B—Outer Drive Shaft

1. Place Woodruff key on inner drive shaft (A) and secure coupler to shaft, using one $3/8 \times 1-3/4$ -inch cap screw.

2. Place Woodruff key on outer drive shaft (B) and insert shaft into coupler and secure, using one $5/16 \times 2$ -inch drilled pin. Insert $1/8 \times 1/2$ -inch cotter pin and bend.

3. Attach front support bracket to divider, using two $3/8 \times 1$ -inch cap screws and $3/8$ -inch nuts, and four $13/32 \times 13/16 \times .060$ -inch flat washers—one each next to slotted holes in support bracket and divider.

4. Attach rear support bracket to end sheet, using existing hardware ($5/16 \times 3/4$ -inch truss head machine screws, lock washers, and nuts).

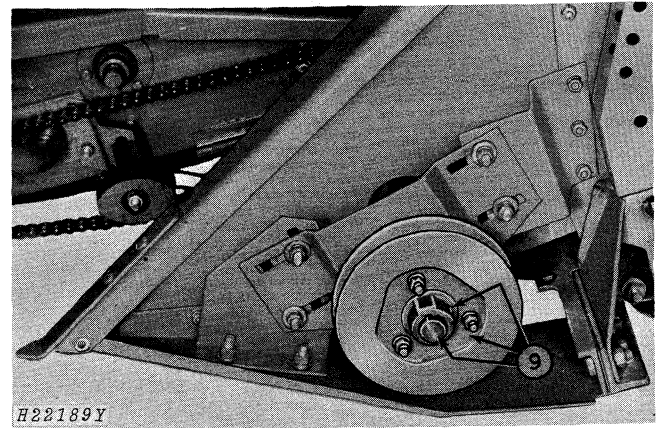


5. Attach bearing and retainers to support plate at the lower set of holes in plate with two 5/16 x 3/4-inch cap screws.

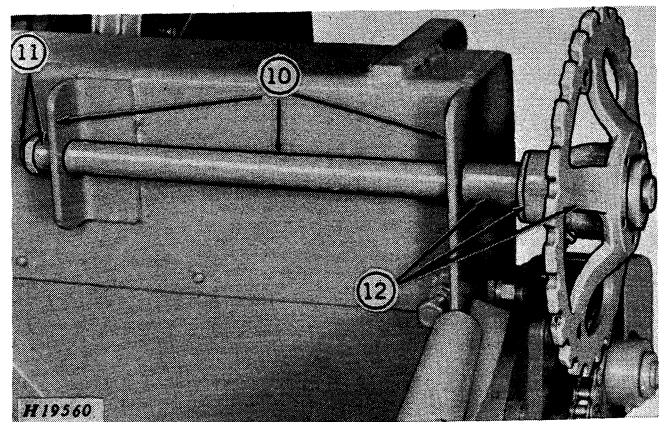
6. Install support plate with four 3/8 x 1-1/4-inch carriage bolts, 13/32 x 1 x .105-inch flat washers, and 3/8-inch nuts. *NOTE: Raise pickup off of ground; relieve all binding between coupler, sleeve and outer drive shaft and tighten hardware.*

7. Install bearing collar.

8. Install Woodruff key.



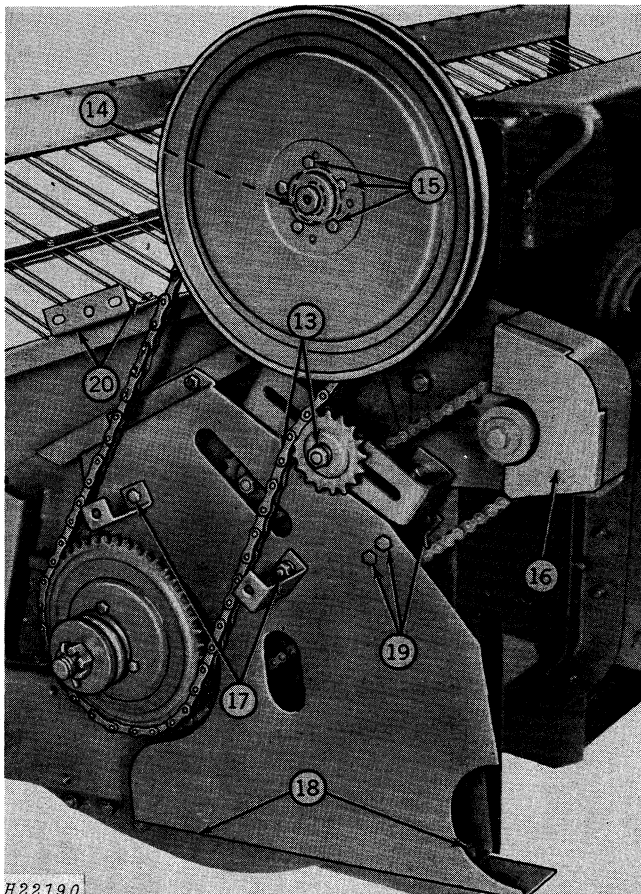
9. Slide sheave on shaft and insert spring pin.



10. Insert pivot shaft through support brackets.

11. Install flat washer, spacer, flat washer, and 3/4-inch lock nut on pivot shaft.

12. Install spacer, washer, and sprocket.



13. Install drive chain and adjust tension so it will operate without climbing or jumping sprockets.

14. Slip 3-1/2-inch washer onto shaft.

15. Secure drive sheave to sprocket using five 1/4 x 1-1/4-inch cap screws. Be sure washer is between sheave and sprocket.

16. Install shield, using four 5/16 x 1/2-inch self-tapping service.

17. Attach brackets to shield, using two 3/8 x 3/4-inch cap screws.

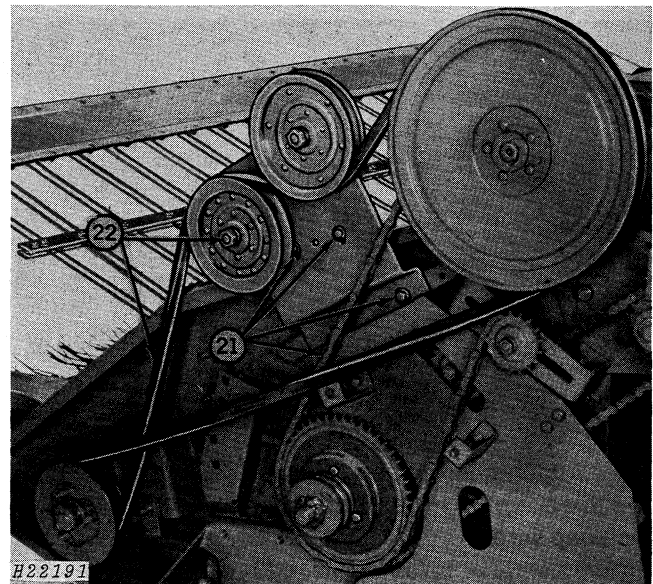
18. Install drive shield. Install hardware in bottom holes at this time. Use existing hardware in front hole and one 1/2 x 1-1/4-inch cap screw in rear hole.

19. Install support bracket, using one 3/8 x 1-inch cap screw in J-angle and two 3/8 x 3/4-inch cap screws in shield.

20. Install shield bracket, using two 5/16 x 3/4-inch cap screws.

21. Install tightener assembly, using two 3/8 x 1-inch cap screws in bottom holes and two 5/16 x 1-inch carriage bolts in top holes.

22. Install drive belt and adjust tension so belt will operate without slipping.

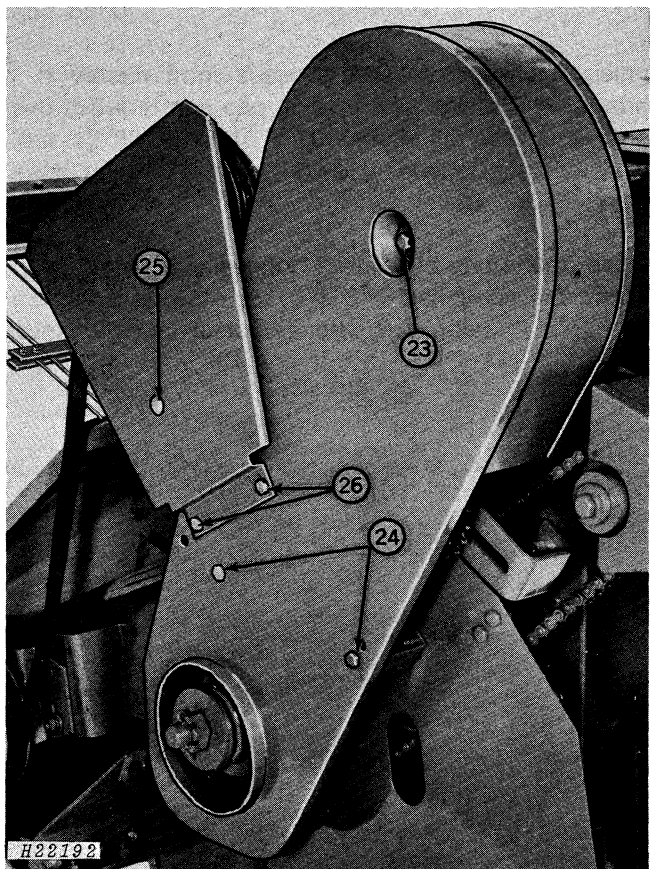


23. Attach drive shield to pivot shaft, using a flat washer and a 3/8 x 3/4-inch cap screw.

24. Attach drive shield to brackets, using two 3/8 x 3/4-inch cap screws.

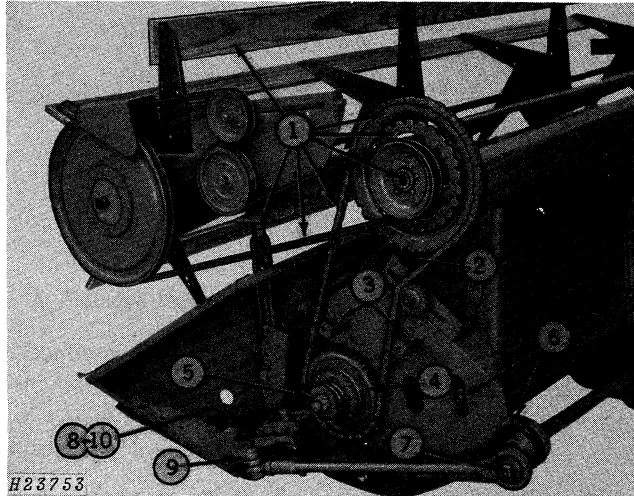
25. Attach shield, using a 1/2 x 3-3/4-inch spacer and a 3/8 x 4-3/4-inch carriage bolt.

26. Attach shield to drive shield, using two 3/8 x 5/8-inch cap screws.



PREPARING QUIK-TATCH CUTTING PLATFORM PRIOR TO SERIAL NO. (-183900) FOR THE BELT PICKUP

Belt Pickup Hydrostatic Drive— Cutting Platform or Pickup Platform



Mechanical Drive Illustrated

The following steps (1) through (13) cover Cutting Platforms, Pickup Platforms, or Cutting and Pickup Platforms as marked below:

- * *Cutting Platform only.*
- ** *Pickup Platform only.*
- *** *Cutting and Pickup Platforms*

*1. Remove loop dividers, shields, drive belt, drive chain and reel.

* (Remove hydrostatic reel drive motor and lines or hydraulic reel lift cylinders and lines if platform is so equipped.)

*2. Remove tightener bracket.

*3. Remove shield support brackets.

**4. Remove cotter pin, nut, cup washer, slip clutch spring, and sleeve. Install 50-tooth sprocket.

*5. Remove cotter pin, nut, cup washer, slip clutch spring, and sleeve.

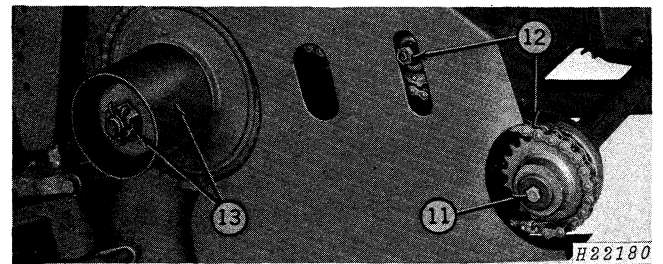
*6. Loosen and disconnect auger and knife drive chain.

*7. Disconnect pitman from crank.

*8. Remove the four clamps holding bell crank in place.

*9. With the bell crank attached, pull the knife out of the cutter bar.

*10. Reattach the four clamps to the platform.

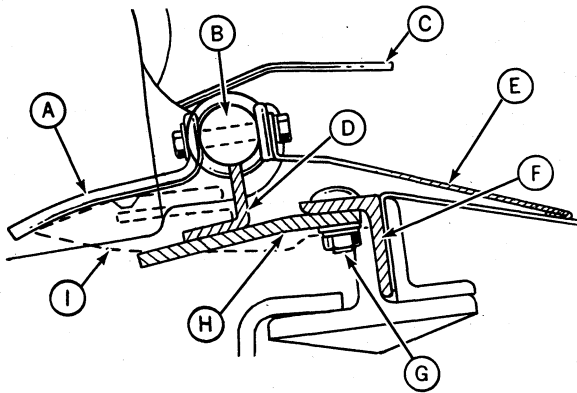


*11. Replace drive sprocket with new sprocket furnished.

***12. Reinstall auger drive chain and adjust tension.

***13. Position slip clutch shield against auger sprocket and install spring, cup washer, nut, and cotter pin. Tighten nut so clutch will operate under normal conditions without slipping.

Installing Stripper Support Plate

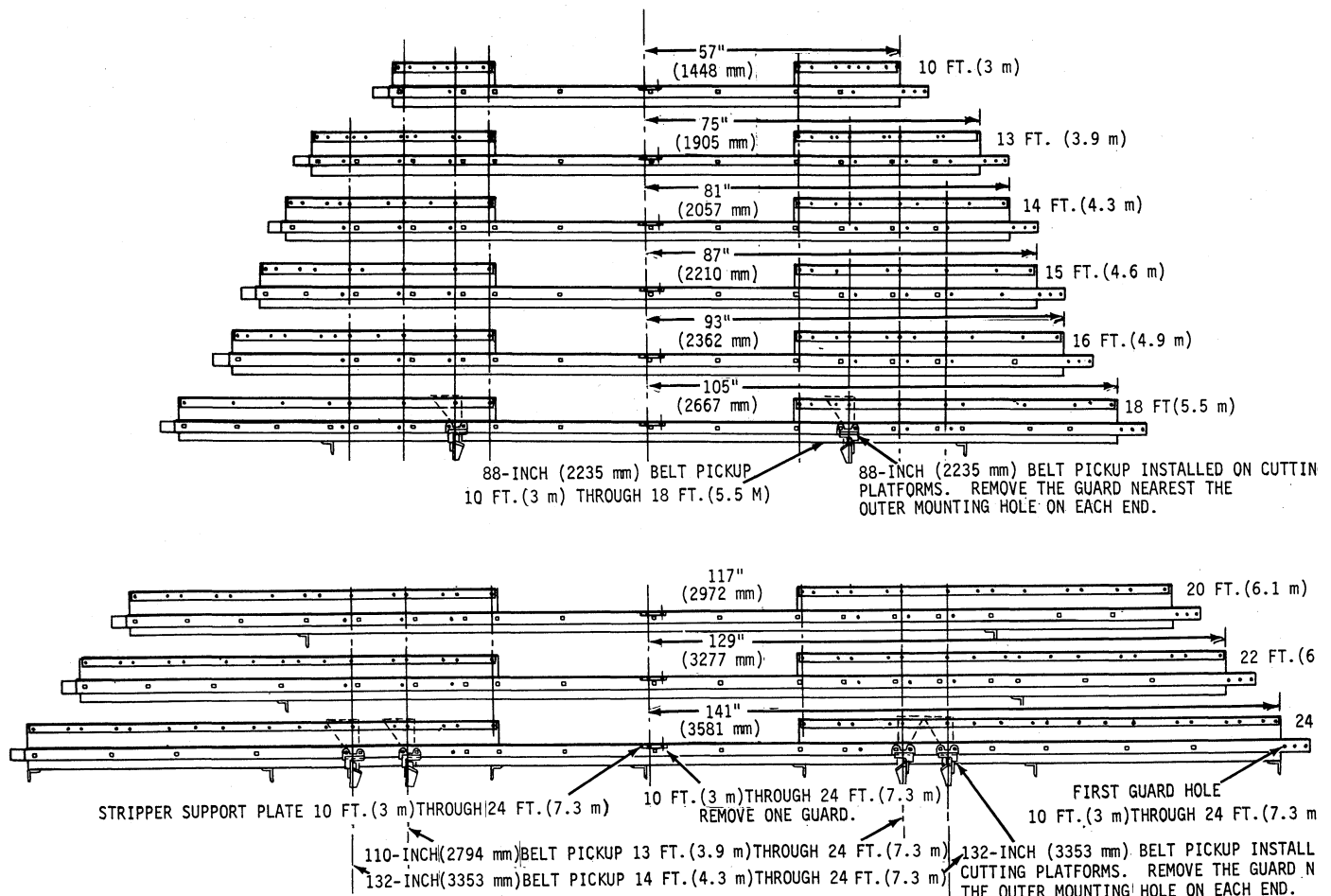


H27252

- A—Stripper
 B—Stripper Bar
 C—Finger
 D—Stripper Bar Support
 E—Grain Slide
 F—Cutterbar Angle
 G—Two 8x1-inch Rd. Hd. Bolts
 with 13/32x13/16x.060-inch
 Flat Washers and Nuts.
 H—Support Plate - Off-Set Down
 I—Guards

The stripper bar support rests on the support plate which is bolted, with offset down, to the underside of the cutterbar angle.

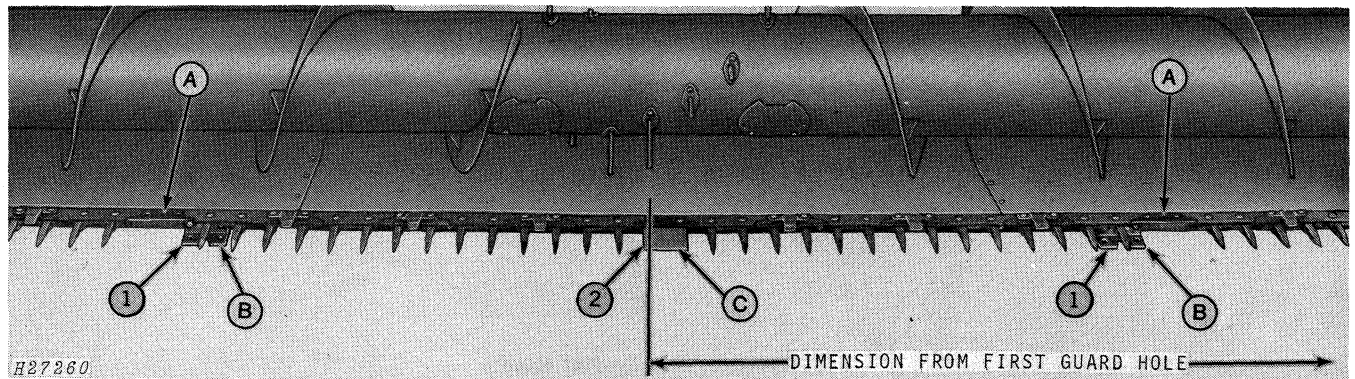
Installing Belt Pickup



H33087

NOTE: The above chart shows where to install pickup support arms and where to remove the guards.

Installing Belt Pickup—Continued



A—Remove Guard

B—Mounting Bracket

C—Stripper Support Plate

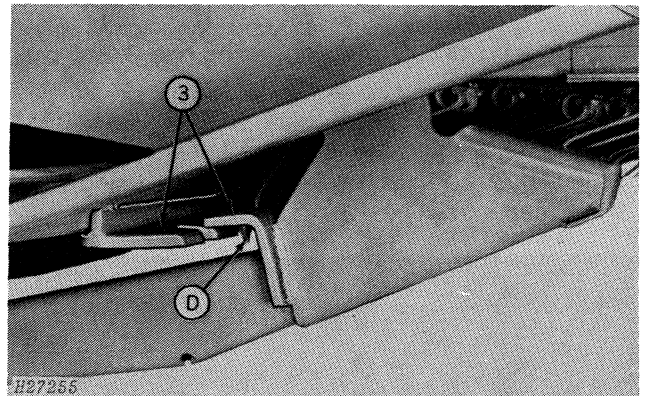
Remove guards (A) then attach the left-hand and right-hand mounting brackets (B) to platform with $\frac{3}{8}$ x 1-1/2-inch cap screws. Refer to the chart on the prior page for correct location.

2. For hydrostatic drive cutting and pickup platforms:

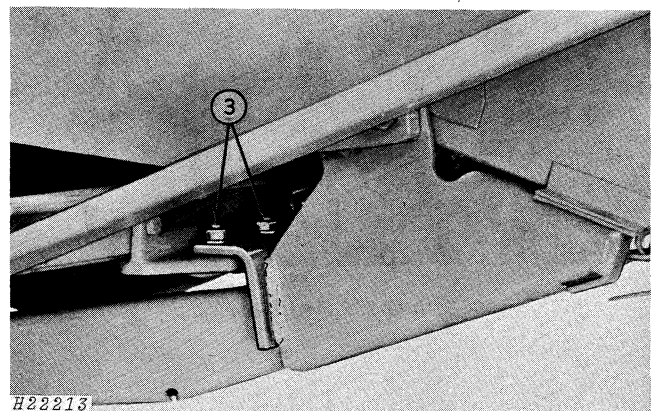
Attach the stripper support plate (C) (with offset down) to the underside of cutterbar angle with two $\frac{3}{8}$ x 1-inch carriage bolts.

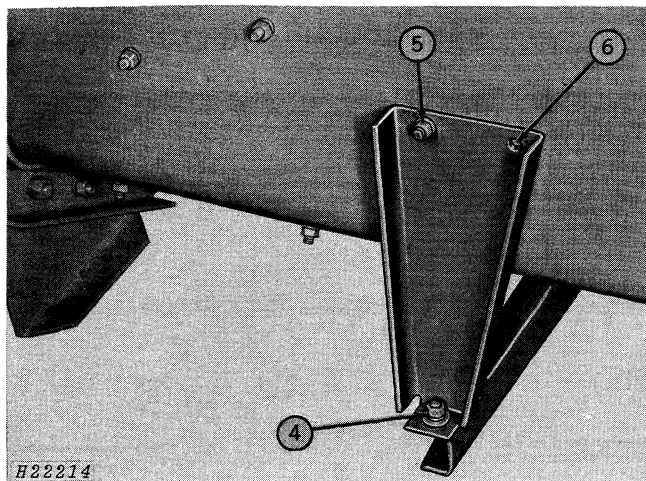
3. Move the combine forward until mounting brackets are a few inches from the brackets on the support arms.

Using aligning pins (D) as a guide in the slot of mounting bracket, slide pickup into position and attach support arms to mounting brackets with four $\frac{3}{8}$ x 1-1/4-inch carriage bolts. Be certain carriage bolts are inserted from underside of mounting brackets.



D—Aligning Pins

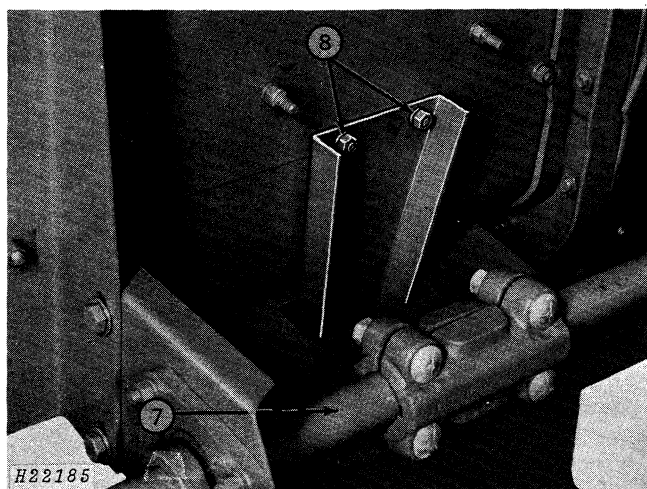




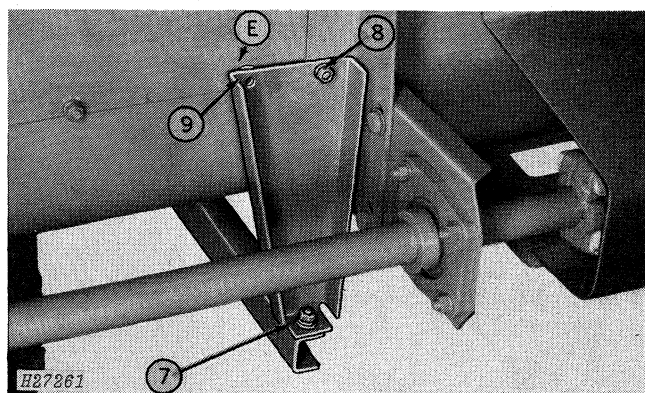
4. Attach right-hand support bracket to support arm, using 3/8 x 1-inch cap screw.

5. Bolt bracket to platform, using one 3/8 x 1-inch cap screw.

6. Using support bracket as a template, drill a 13/32-inch hole, and bolt bracket to platform, using a 3/8 x 1-inch cap screw.

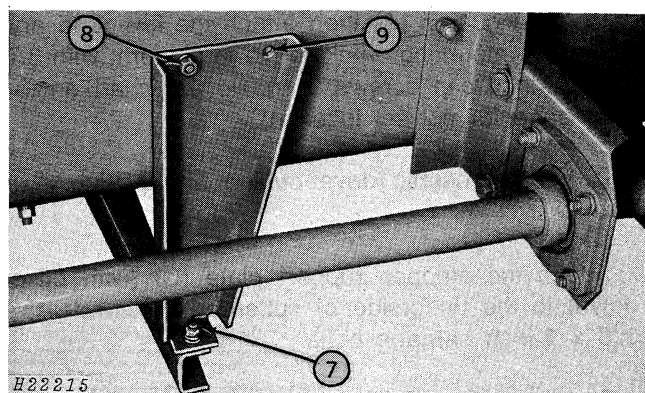


88-Inch (2 235 mm) Belt Pickup



E—Flat Washer

110-Inch (2 794 mm) Belt Pickup



132-Inch (3 353 mm) Belt Pickup

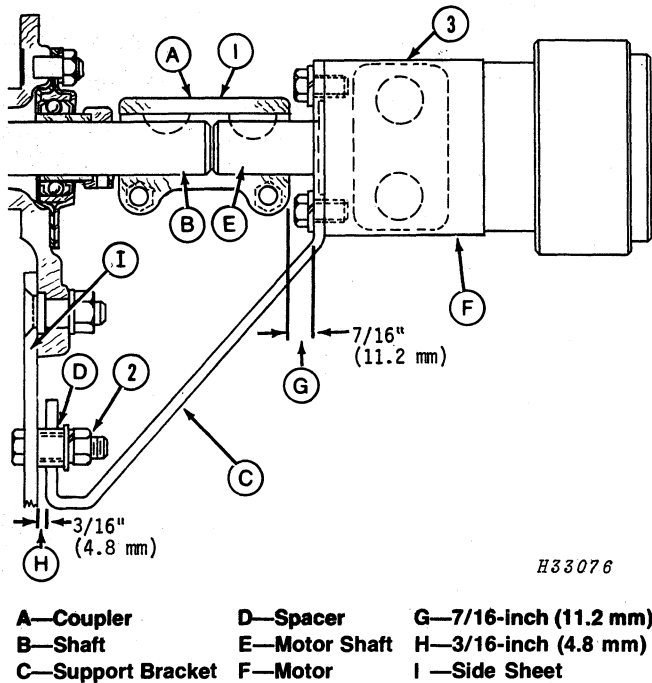
7. Attach left-hand support bracket to support arm, using one 3/8 x 1-inch cap screw.

8. Bolt bracket to platform, using one 3/8 x 1-inch cap screw (110-inch [2 794 mm] and 132-inch [3 353 mm] belt pickups) and two 3/8 x 1-inch cap screws (88-inch [2 235 mm] belt pickup).

9. (110-inch [2 794 mm] and 132-inch [3 353 mm] Belt Pickups Only) Using support bracket as a template, drill a 13/32-inch hole, and bolt bracket to platform, using one 3/8 x 1-inch cap screw.

NOTE: (110-inch [2 794 mm] Belt Pickup on Quik-Tatch Platforms Only) On 13-, 14-, 15-, and 16-foot (3.9, 4.3, 4.6, and 4.9 m) platforms, a 13/32 x 1-1/4 x .194-inch flat washer (E) must be used between bracket and platform.

INSTALLING HYDROSTATIC DRIVE PARTS ON QUIK-TATCH PLATFORMS (Prior to Serial No. 183900)



88-Inch (2 235 mm) and 132-Inch (3 353 mm)
Belt Pickup Illustrated

NOTE: Hydrostatic drive is not used on 6601 Combine.

NOTE: The hydrostatic drive motor is mounted on the left-hand end of the belt pickup.

1. Place 1/4 x 7/8-inch Woodruff key on shaft and slide coupler (A) onto shaft (B).

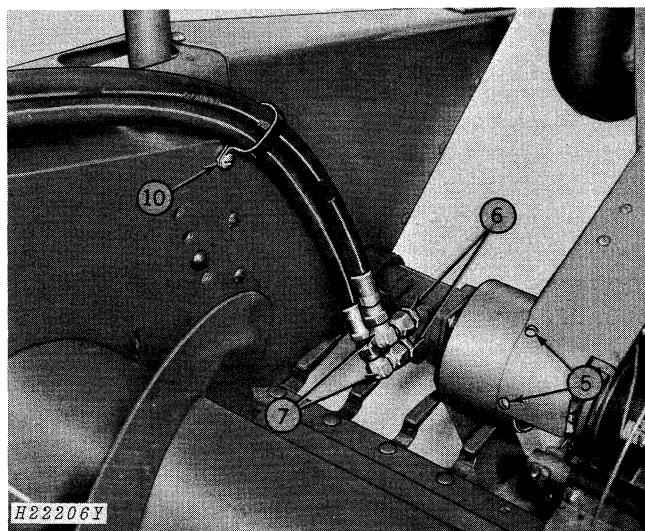
2. Attach support bracket (C) to belt pickup, using two 3/8 x 1-1/2-inch cap screws, two 3/8 x 1/2-inch pipe spacers (D), two 13/32 x 13/16-inch flat washers, and two 3/8-inch nuts.

3. Place 1/4 x 1-inch Woodruff key on motor shaft (E) and attach motor (F) to bracket (C), using four 3/8 x 3/4-inch cap screws.

NOTE: The ports on the hydrostatic drive motor face toward the rear.

4. Hold motor (F) level so output shaft (E) does not bind in coupler. Make certain there is a minimum of 7/16-inch (11.2 mm) clearance between support bracket (C) and coupler (A) as shown at (G), and a 3/16-inch (4.8 mm) clearance between support bracket (C), and pickup support arm as shown at (H). Tighten the two 3/8 x 1-3/4-inch cap screws in coupler.

IMPORTANT: It is necessary that support bracket (C) is free to float on the spacers.



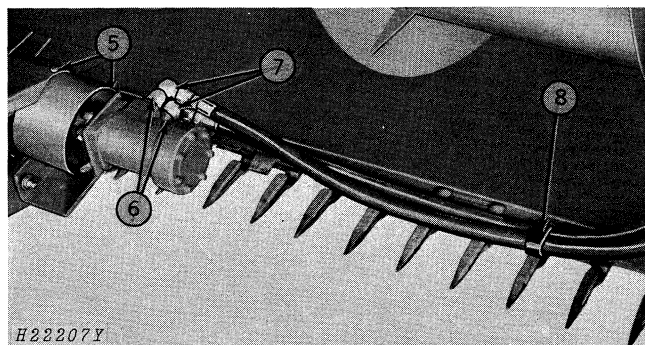
Illustrated on Left-Hand Side of 14 Ft. (4.3 m) Quik-Tatch Cutting Platform—Shield Removed for Illustrative Purposes

5. Install drive shield, using two 1/4 x 5/8-inch truss head machine screws.

6. Install two connectors with O-rings into motor.

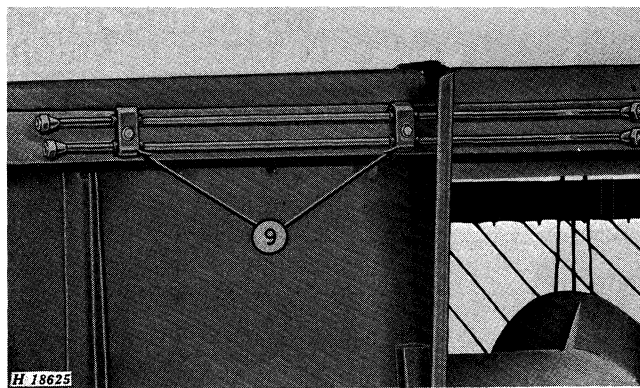
NOTE: Be certain O-rings are dipped in hydraulic oil and correctly seated on connectors.

7. Attach 90-degree elbows to hoses and attach hoses to connectors.

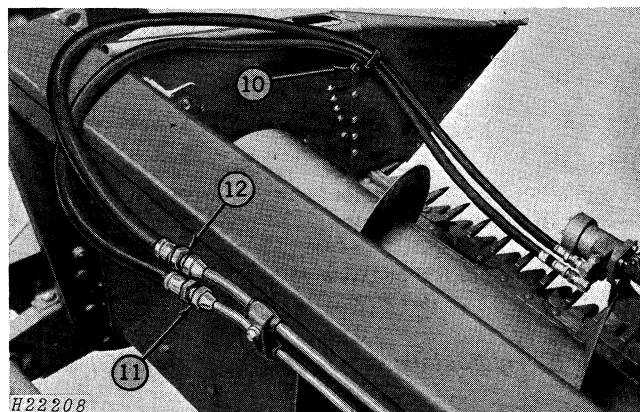


Illustrated on Left-Hand End of 15 Ft. (4.6 m) Quik-Tatch Cutting Platform

8. On 16-ft. (4.9 m) and larger platforms for 88-inch (2235 mm) belt pickups, 18-ft. (5.5 m) and larger platforms for 110-inch (2794 mm) belt pickups, or 20-ft. (6.1 m) and larger platforms for 132-inch (3353 mm) belt pickups, attach clip around hoses. Secure clip with 3/8 x 1-1/4-inch cap screw to existing guard, using mounting hole midway between hydraulic motor and platform end sheet.



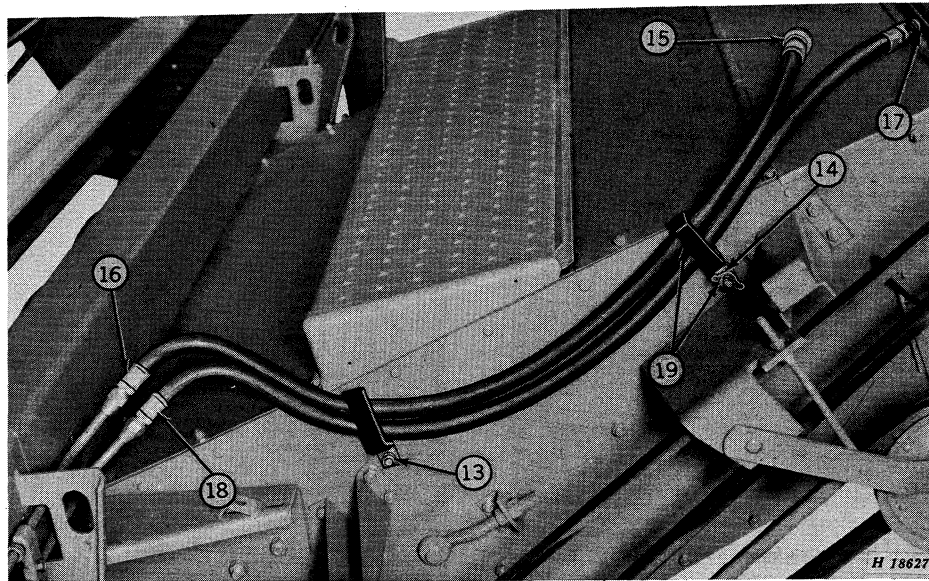
9. Attach hydraulic tubes to platform with clamps and 5/16 x 1-1/2-inch self-tapping screws. Use rubber sleeves on tube under clamps.



10. Attach clip around hoses and secure to platform, using existing hardware.

11. Attach hose in bottom hole in motor to bottom tube on platform.

12. Attach hose in top hole in motor to top tube on platform.



13. Attach hose retainer to feeder house, using a 3/8 x 3/4-inch carriage bolt.

14. Insert 3/8 x 2-inch carriage bolt through feeder house and install on bolt a 3/8 x 5/8-inch pipe spacer, a 13/32 x 13/16 x .060-inch washer, and a 3/8-inch nut.

15. Install O-ring into 1/2-inch (12.7 mm) I.D. x 45-inch (1143 mm) long hose, then install coupler body to hose.

16. Attach hose to upper tube.

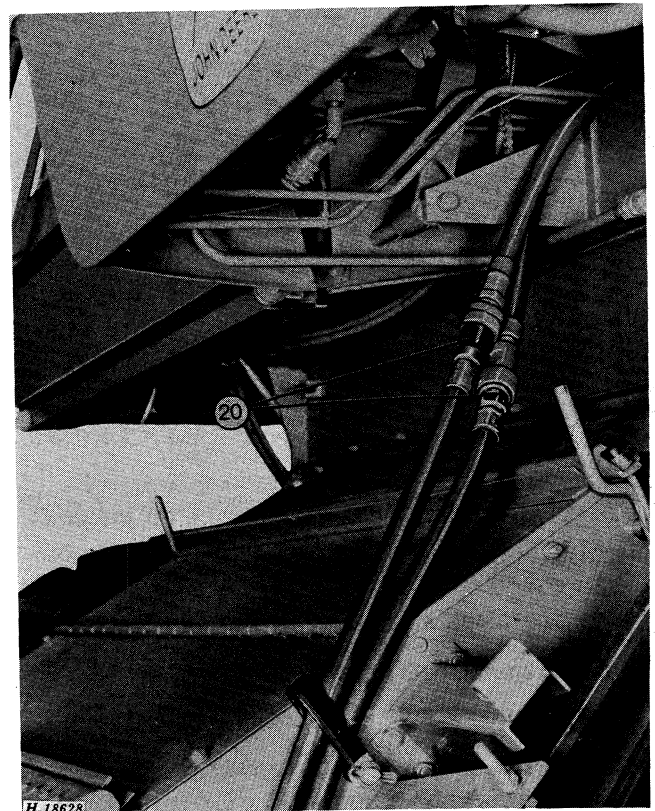
17. Install O-ring into 1/2-inch (12.7 mm) I.D. x 45-inch (1143 mm) long hose, then install coupler nose to hose.

18. Attach hose to lower tube.

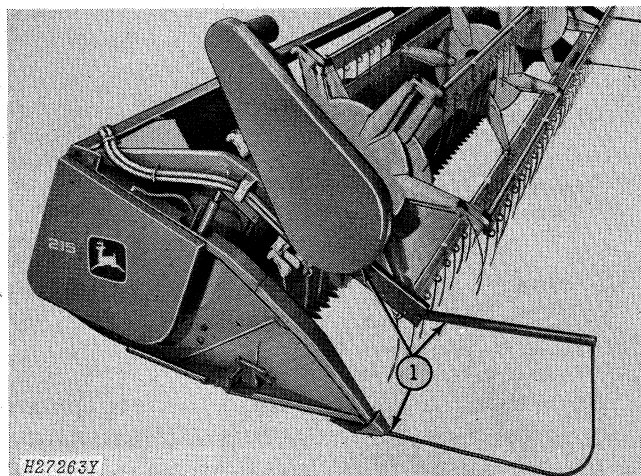
19. Install clip around hoses and secure clip to carriage bolt (installed in Step 14), using a wing nut.

20. Attach hoses.

21. (Not illustrated) Operate the hydrostatic drive belt pickup. Check oil level in reservoir and, if necessary, fill to proper level. See combine operator's manual for correct oil.

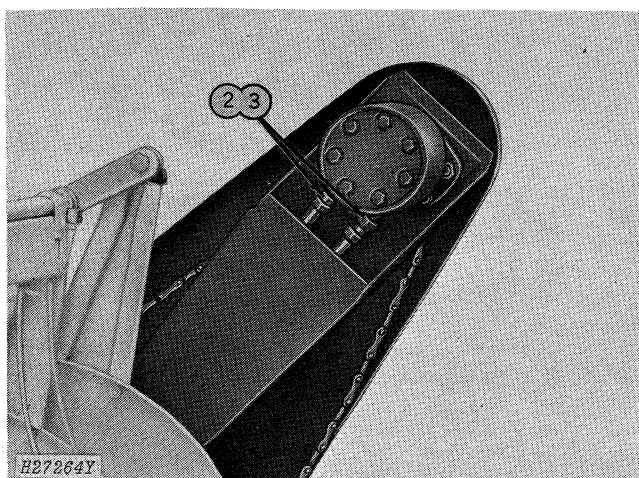


PREPARING THE 200 SERIES RIGID CUTTING PLATFORM FOR THE BELT PICKUP (Serial No. 217601-)



R.H. End Illustrated

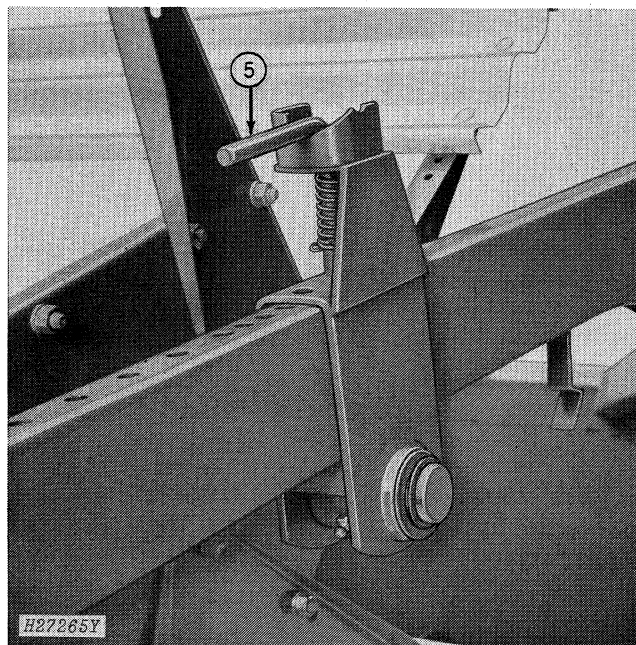
1. Remove and retain loop dividers and hydrostatic drive shield.



2. Disconnect hydrostatic drive hoses at motor.

3. Place plugs in ends of hydrostatic drive hoses to keep clean.

4. Place hydrostatic drive hoses (still connected to platform lines) out of the way.

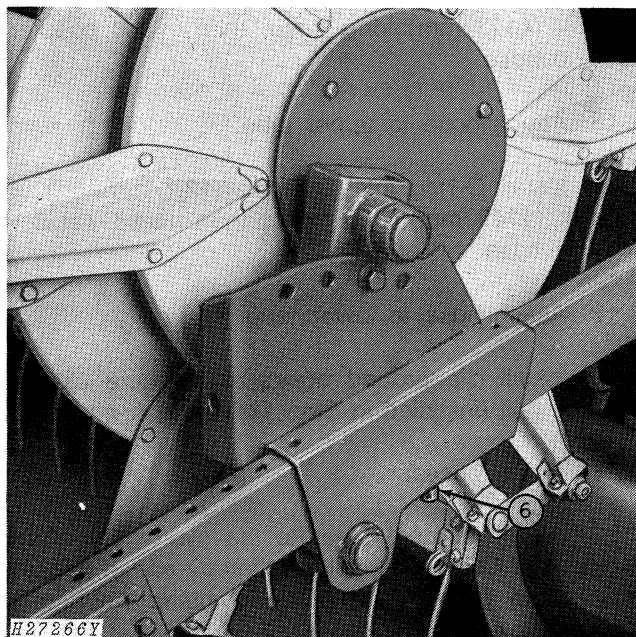


Bat Reel Illustrated

5. Lift spring loaded pin (both sides) and slide reel and reel drive off platform support arms.



CAUTION: Reel is heavy. Use proper lifting equipment when removing.

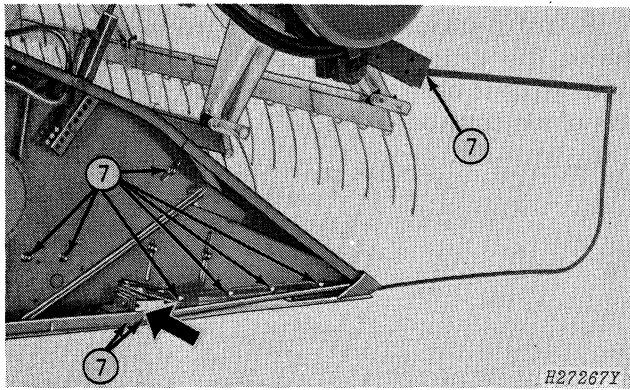


Pickup Reel Illustrated

6. Loosen set screw (both sides) and slide reel off platform support arms.

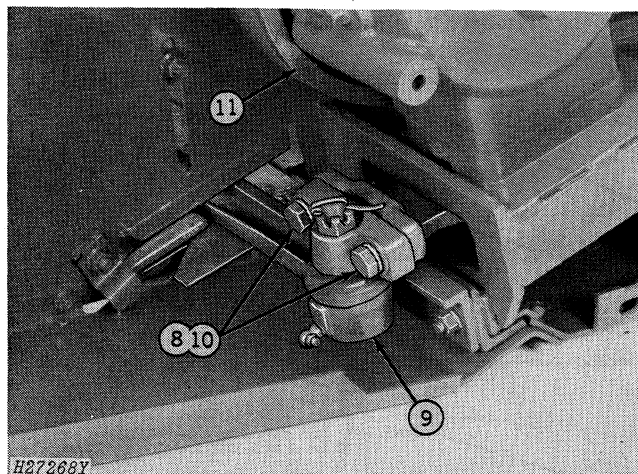


CAUTION: Reel is heavy. Use proper lifting equipment when removing.



End Shield on 13-Foot (3.9 m) Platform

7. Remove and retain right-hand divider point on 13-foot (3.9 m) platform when used with 132-inch (3 353 mm) belt pickup only. Divider point has to be removed for clearance of 132-inch (3 353 mm) belt pickup. Be certain to replace the 3/8-inch round head bolt (shown with bold arrow) in cutterbar mounting.



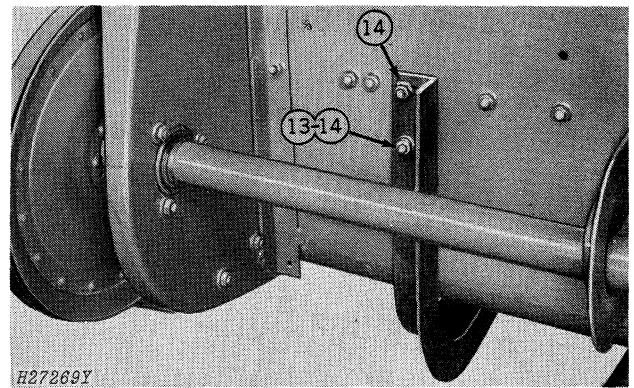
8. Remove and retain hardware holding sickle to knife drive case.

9. Remove and retain sickle assembly.

10. Place hardware removed in Step 8, back where it was removed, and secure it for storage.

11. Disconnect knife drive case drive by removing belt.

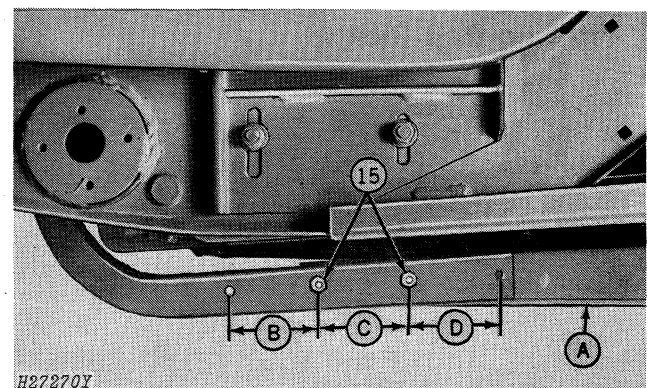
12. The following charts on page 28 and left-hand column of page 29 show which guards are to be removed when used with a certain size belt pickup.



L.H. Rear of Platform Illustrated

13. Drill 13/32-inch (10.4 mm) holes through second layer of sheet metal. Pilot holes are already through first layer.

14. (Both sides) Secure J-angle with two 3/8 x 1-1/4-inch cap screw, lock washer, 13/32 x 13/16 x .060-inch flat washer, and nut.



A—Support Arms
B—Rear Position

C—4-inch Forward Position
D—8-inch Forward Position

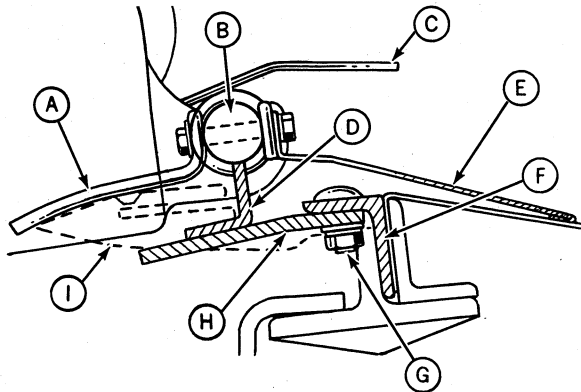
15. Move the combine forward until mounting brackets are a few inches from cutterbar. Slide pickup into position on top of cutterbar. Attach mounting brackets to cutterbar with existing hardware.

Attach belt pickup platform as shown in illustration on page 28 and top and bottom illustrations on page 29 right-hand column.

Slide support arms (A) into J-angles and secure with 2 (each side) 3/8 x 1-1/4-inch cap screws, lock washer, 13/32 x 13/16 x .060-inch flat washer, and nut.

NOTE: Platform is set in the 4-inch (102 mm) forward position. Rear position to be used for short crops or damp windrow conditions. 4-inch (102 mm) forward position to be used for medium length crops. 8-inch (203 mm) forward position to be used for long straw crops.

Installing Stripper Support Plate

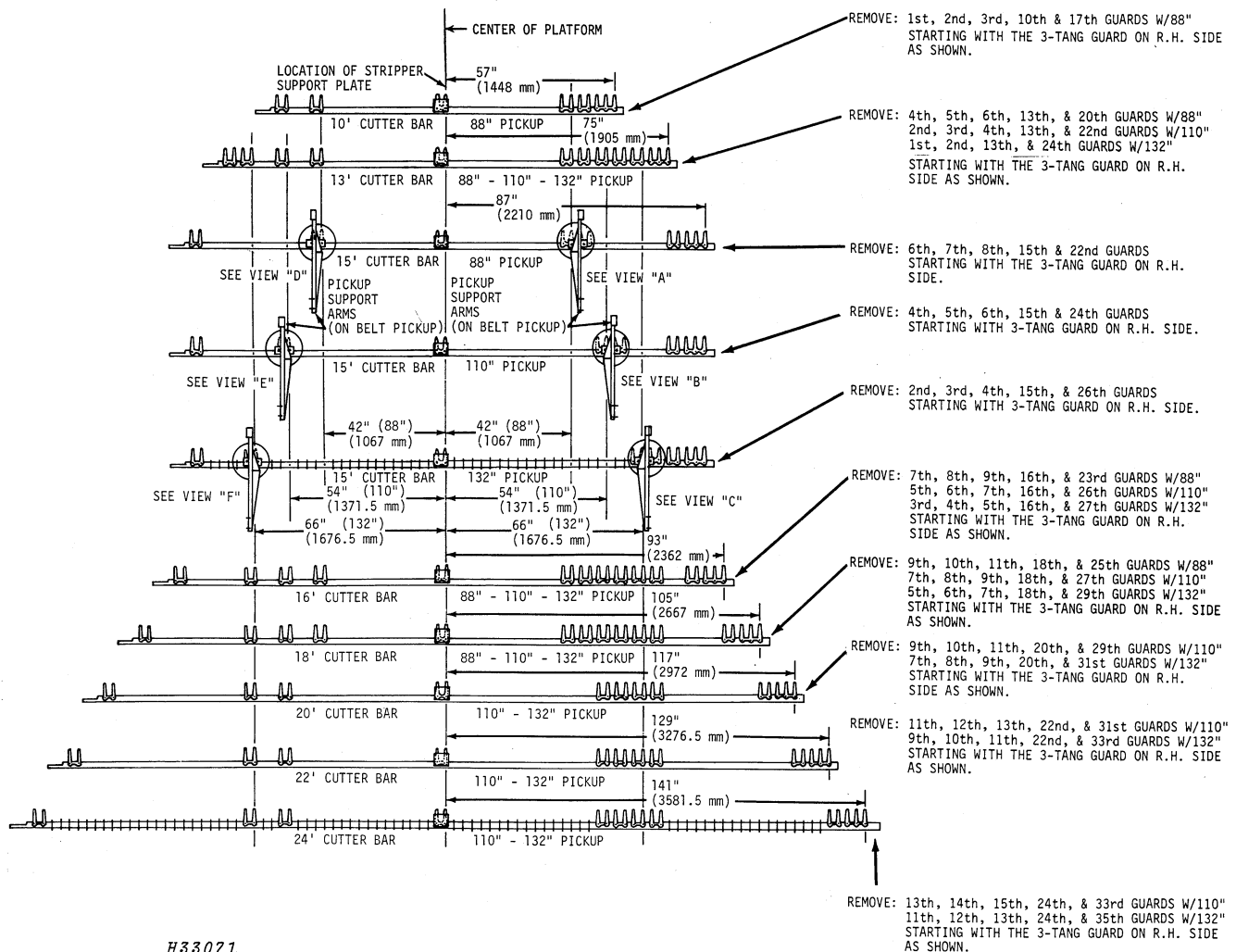


H27252

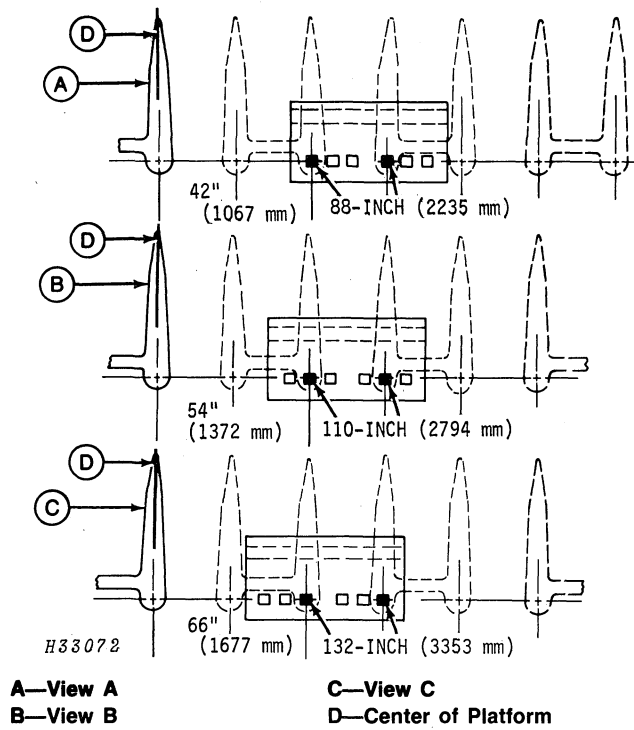
- A**—Stripper
B—Stripper Bar
C—Finger
D—Stripper Bar Support
E—Grain Slide
F—Cutterbar Angle
G—Two 8x1-inch Rd. Hd. Bolts with 13/32x13/16x.060-inch Flat Washers and Nuts.
H—Support Plate - Off-Set Down
I—Guards

16. Install stripper support plate (H) in location as shown. The stripper bar support rests on the support plate, which is bolted, with offset down, to the underside of the cutterbar angle.

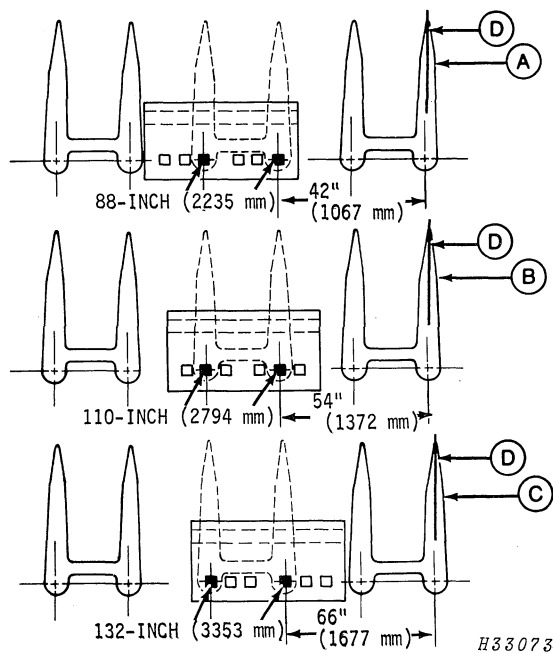
Installing Belt Pickup



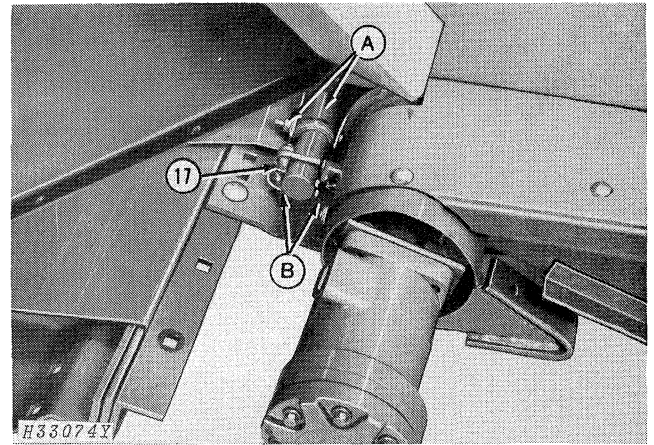
H33071



Right-Hand Side Illustrated

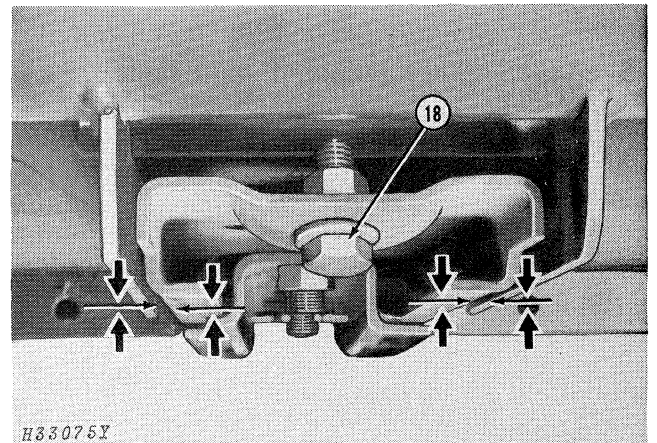


Left-Hand Side Illustrated



A—Adjustable Stripper **B—Stripper Holder**

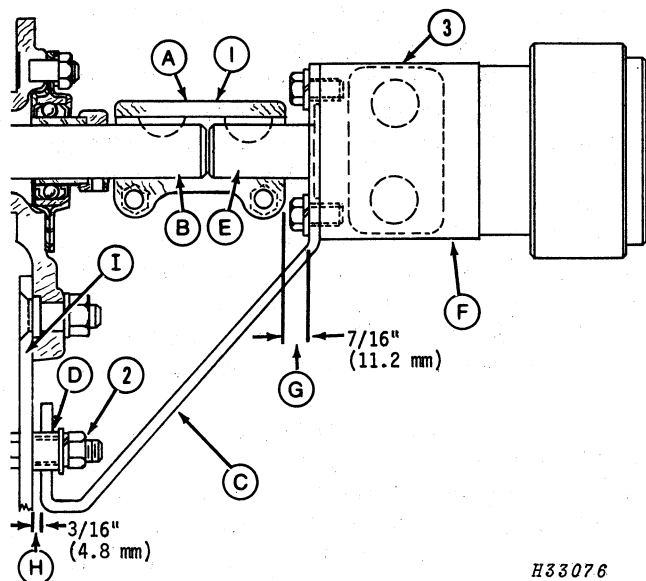
17. Place adjustable stripper (A) in stripper holder (B) between belt pickup and platform. Lock in place with cotter key.



Bottom Edge Viewed at Rear of Platform

18. To set pickup and cutterbar in low feed position, adjust bolt until surfaces are level as shown.

INSTALLING HYDROSTATIC DRIVE PARTS ON 200 SERIES PLATFORMS (Serial No. 217601-)



A—Coupler	D—Spacer	G—7/16-inch (11.2 mm)
B—Shaft	E—Motor Shaft	H—3/16-inch (4.8 mm)
C—Support Bracket	F—Motor	I—Side Sheet

88-Inch (2 235 mm) and 132-Inch (3 353 mm)
Belt Pickup Illustrated

NOTE: The hydrostatic drive motor is mounted on the right-hand end of the belt pickup.

1. Place 1/4 x 7/8-inch Woodruff key on shaft and slide coupler (A) onto shaft (B).

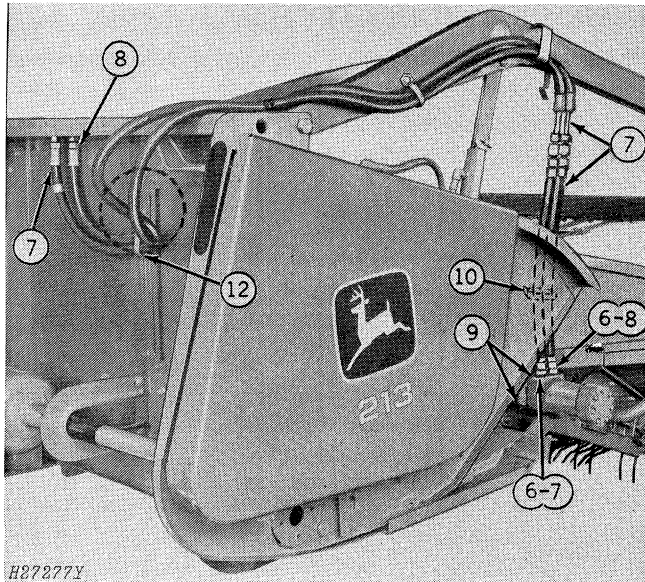
2. Attach support bracket (C) to belt pickup, using two 3/8 x 1-1/2-inch cap screws, two 3/8 x 1/2-inch pipe spacers (D), two 13/32 x 13/16-inch flat washers, and two 3/8-inch nuts.

3. Place 1/4 x 1-inch Woodruff key on motor shaft (E) and attach motor (F) to bracket (C), using four 3/8 x 3/4-inch cap screws.

NOTE: The ports on the hydrostatic drive motor face toward the rear. When using 132-inch (3353 mm) belt pickup on 13-foot (3.9 m) platform, rotate hydrostatic drive motor so ports are at the top. Do not use 90° fittings.

4. Remove shield around motor shaft for ease of installation of motor. Hold motor (F) level so output shaft (E) does not bind in coupler. Make certain there is a minimum of 7/16-inch (11.2 mm) clearance between support bracket (C) and coupler (A) as shown at (G) and a 3/16-inch (4.8 mm) clearance between support bracket (C) and pickup support arm as shown at (H), then tighten the two 3/8 x 1-3/4-inch cap screws in coupler.

IMPORTANT: It is necessary that support bracket (C) is free to float on the spacers.



13-Foot (3.9 m) Cutting Platform
R.H. Shield Removed

5. (Not Illustrated) If the cutting platform is equipped with a pickup reel, the hydrostatic drive motor ports must be plugged.

If the cutting platform is equipped with a bat reel, the steel lines to the bat reel hydrostatic drive motor must be plugged on both ends.

6. Be certain to dip O-rings in hydraulic oil and correctly seat them on connectors, then place connectors in belt pickup hydrostatic drive motor ports. Then secure two elbows to the two connectors.

7. Attach hose to 90 degree elbow in bottom port on hydrostatic drive motor or the rear port without 90 degree elbow for 132-inch (3 353 mm) belt pickup on a 13-foot (3.9 m) platform. The following note shows platform and belt pickup sizes that require extension lines and hoses between existing hoses and the 90 degree elbow (or port) on the hydrostatic drive motor.

NOTE: The 24-foot (7.3 m) platform, equipped with pickup reel, requires two new additional hoses when used with 110-inch (2 794 mm) belt pickup. All 13-, 15-, 16-, 18-, 20-, and 22-foot (3.9, 4.6, 4.9, 5.5, 6.1, and 6.7 m) platforms, equipped with pickup reel when used with 88-, 110-, and 132-inch (2 235, 2 794, and 3 353 mm) belt pickups or 24-foot (7.3 m) platforms, equipped with pickup reel when used with 88- or 132-inch (2 235 and 3 353 mm) belt pickups use existing hoses.

The 13-, 15-, 16-, 18-, 20-, 22-, and 24-foot (3.9, 4.6, 4.9, 5.5, 6.1, 6.7, and 7.3 m) platforms, equipped with bat reel when used with 88-, 110-, and 132-inch (2 235, 2 794 and 3 353 mm) belt pickups, require two new connecting steel lines and two new hoses.

8. Attach hose to 90 degree elbow in top port on hydrostatic drive motor or the front port without 90 degree elbow for 132-inch (3 353 mm) belt pickup on a 13-foot (3.9 m) platform. The note following Step 7 shows platform and belt pickup sizes that require extension lines and hoses between existing hoses and the 90 degree elbow (or port) on the hydrostatic drive motor.

9. Install drive shield over motor shaft, using two 1/4 x 5/8-inch round head machine screws.

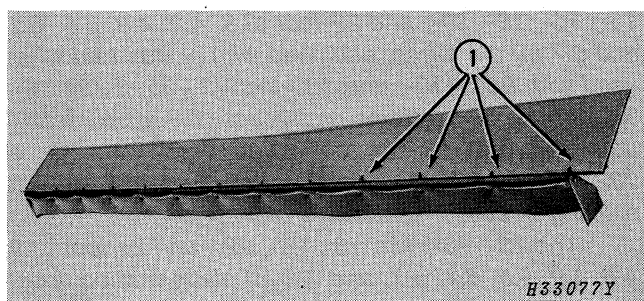
10. Hold hoses together with hose clamp, then secure hose clamp to inside of right-hand end sheet.

11. (Not Illustrated) The 16-foot (4.9 m) and larger platforms require a second hose clamp midway between hydrostatic drive motor and end sheet. Attach clamp through guard mounting hole, using 3/8 x 1-1/4-inch cap screw, lock washer, and nut.

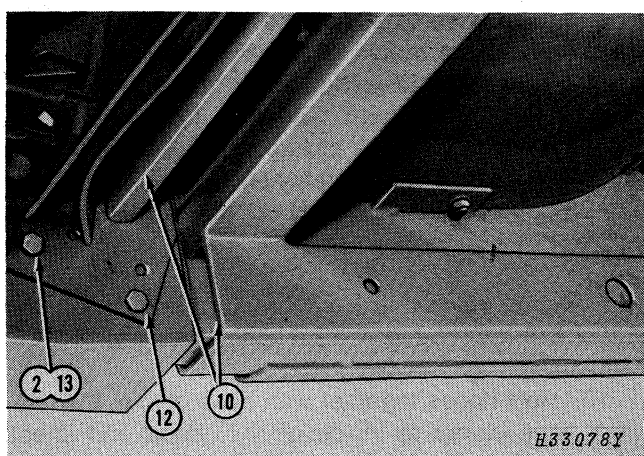
12. Loop any excessive hydraulic hose, as shown with dotted lines, through existing hose clamp.

13. Route hose through clamps on feeder house and connect at couplers under operator's platform.

PREPARING BELT PICKUP ON THE PICKUP PLATFORM (Serial No. 217601-)

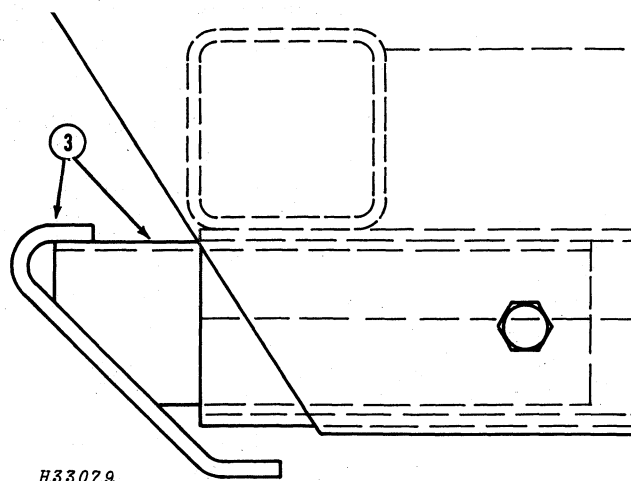


1. Attach grain slide to stripper studs with 1/4-inch lock washers and nuts. Do not over tighten.



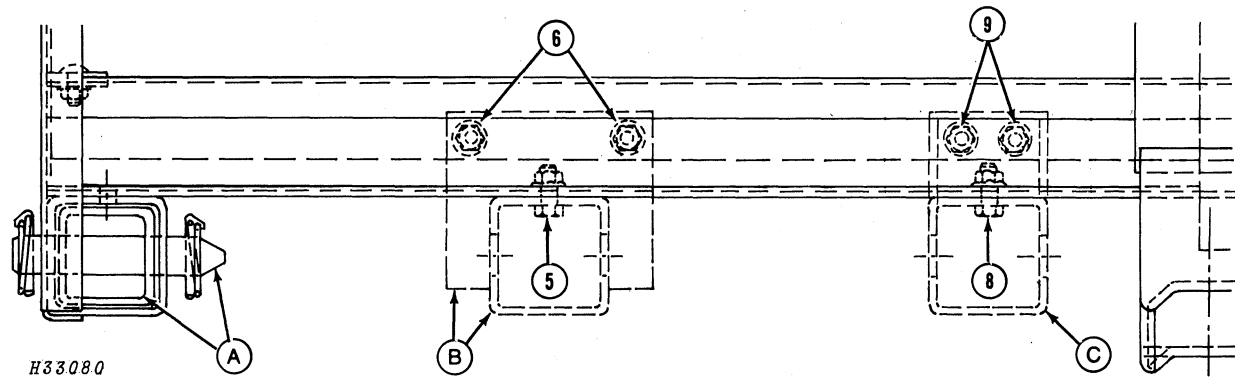
132-inch (3 353 mm) Belt Pickup R.H. Side Illustrated

2. Attach stripper at front hole only with 3/8 x 1-inch cap screw and self-locking nut on left-hand side. Use existing hardware at front hole only on right-hand side. Do not tighten at this time.



Runner to Plug 132-inch (3 353 mm) Belt Pickup Support Arm Channels

3. (110-inch [2 794 mm] or 88-inch [2 235 mm] Belt Pickups) When using 110-inch (2 794 mm) or 88-inch (2 235 mm) belt pickups, you must plug 132-inch (3 353 mm) support arm channels with two runner assemblies and secure with two 1/2 x 3-3/4-inch cap screws and self-locking nuts.



A—132-inch (3 353 mm) Support Arm Tube Position

B—110-inch (2 794 mm) Support Arm Tube Position

C—88-inch (2 235 mm) Support Arm Tube Position

4. (110-inch [2 794 mm] Belt Pickups) Place support arm channels (B) in position as shown on both sides by aligning with existing holes.

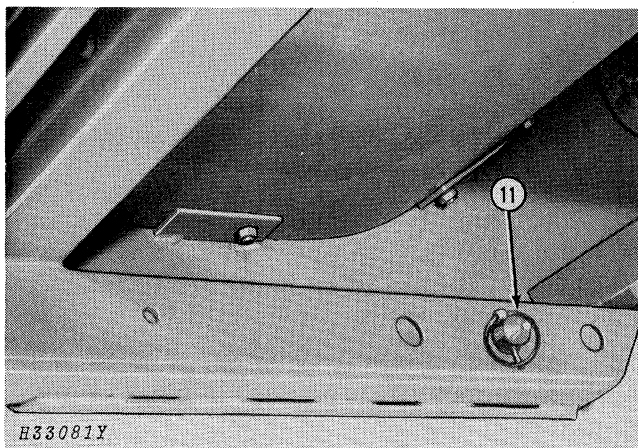
5. (110-inch [2 794 mm] Belt Pickups) Secure rear of channels with one 3/8 x 1-inch cap screw and self-locking nut (each side).

6. (110-inch [2 794 mm] Belt Pickups) Secure front of channels with two 3/8 x 3-3/4-inch cap screws and self-locking nuts (each side).

7. (88-inch [2 235 mm] Belt Pickups) Place support arm channels (C) in position, as shown, on both sides by aligning with existing holes.

8. (88-inch [2 235 mm] Belt Pickups) Secure rear of channels with one 3/8 x 1-inch cap screw and self-locking nut (each side).

9. (88-inch [2 235 mm] Belt Pickups) Secure front of channels with two 3/8 x 3-3/4-inch cap screws and self-locking nuts (each side).



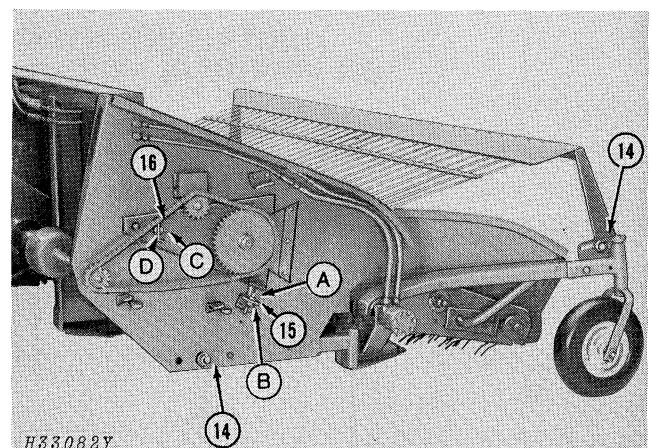
132-inch (3 353 mm) Belt Pickup Illustrated

10. Slide belt pickup support arms into pickup platform. Hold stripper grain slide up as belt pickup is moved into position.

11. Let stripper grain slide down as belt pickup is moved into position. Place pin in hole (mid-position).

12. Secure 3/8 x 1-inch cap screw and self-locking nut in Step 2 (both sides) in stripper. Also secure hardware installed.

13. Secure cap screws in front of stripper from Step 2.



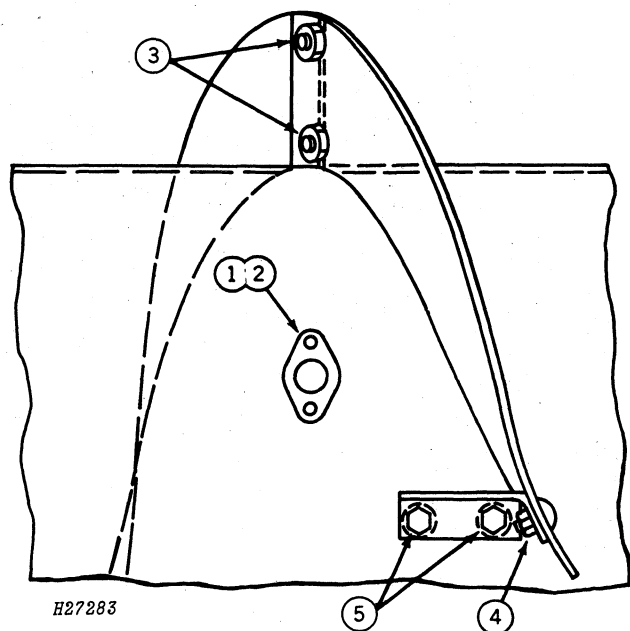
Shield Removed for Illustrative Purposes

14. Set belt pickup support arms in mid-position hole (Step 11) and set the hold-down in the middle of the adjusting slot.

15. (Auger adjustment to platform bottom - both sides) Adjust the auger so there is a clearance of 1/4-inch (6.4 mm) between auger flights and bottom of platform. Loosen nut (A) and tighten nut (B) to move auger down. Loosen nut (B) and tighten nut (A) to move auger up. Tighten nuts (A) and (B).

16. (Auger adjustment to stripper - both sides) Auger to stripper clearance should be 1/4-inch (6.4 mm). To move forward, loosen nut (C) and tighten nut (D). Reverse for adjusting auger to rear. Tighten nuts (C) and (D).

INSTALLATION OF AUGER FLIGHT EXTENSIONS FOR 3300 AND 4400 COMBINE PICKUP PLATFORM



1. Remove three auger fingers, each end of auger finger pattern.

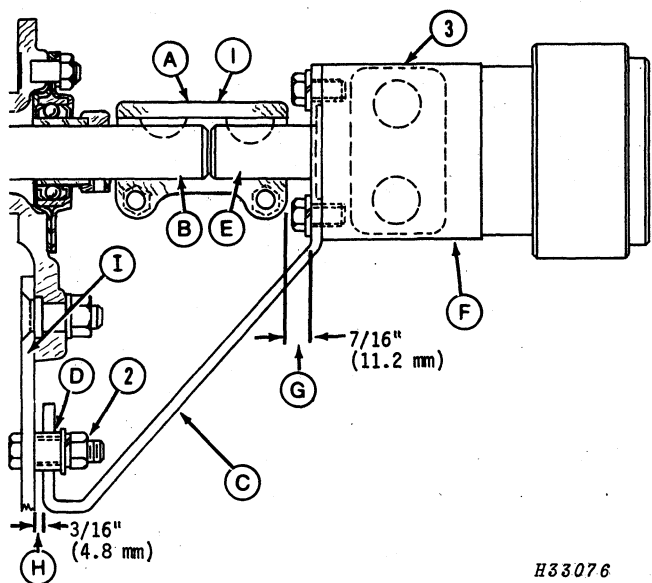
2. Secure three auger finger covers, each end, using six 5/16-inch button head self-tapping screws.

3. Drill two 13/32-inch (10.4 mm) diameter holes in end of auger flight. Attach extension to flight with two 5/16 x 3/4-inch round head bolts, lock washers, and nuts provided.

4. Attach clip to extension with two 5/16 x 3/4-inch round head bolts, lock washers, and nuts provided.

5. Use clip as template and drill two 13/32-inch (10.4 mm) diameter holes in auger. Attach clip to auger with two 3/8 x 7/8-inch cap screws, flat washers, lock washers, and nuts provided. Place flat washers inside auger.

INSTALLING HYDROSTATIC DRIVE PARTS ON PICKUP PLATFORMS (Serial No. 217601-)



1. Place 1/4 x 7/8-inch Woodruff key on shaft and slide coupler (A) onto shaft (B).

2. Attach support bracket (C) to belt pickup, using two 3/8 x 1-1/2-inch cap screws, two 3/8 x 1/2-inch pipe spacers (D), two 13/32 x 13/16-inch flat washers, and two 3/8-inch nuts.

3. Place 1/4 x 1-inch Woodruff key on motor shaft (E) and attach motor (F) to bracket (C) using four 3/8 x 3/4-inch cap screws.

NOTE: The ports on the hydrostatic drive motor face upwards.

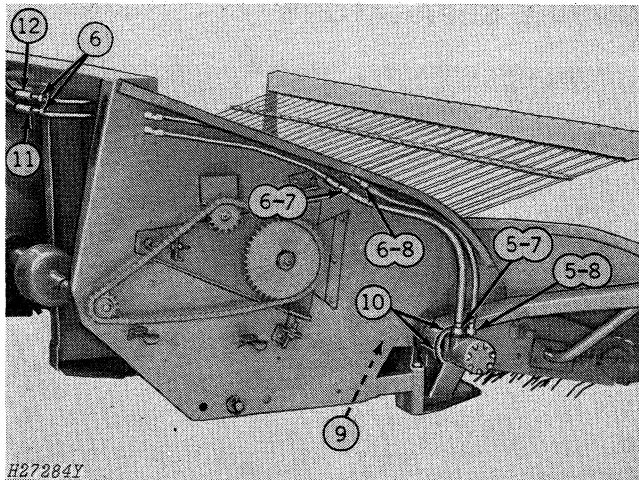
4. Remove shield around motor shaft for ease of installation of motor. Hold motor (F) level so output shaft (E) does not bind in coupler. Make certain there is a minimum of 7/16-inch (11.22 mm) clearance between support bracket (C) and coupler (A) as shown at (G), and a 3/16-inch (4.8 mm) clearance between support bracket (C) and pickup support arm as shown at (H), then tighten the two 3/8 x 1-3/4-inch cap screws in coupler.

A—Coupler D—Spacer G—7/16-inch (11.2 mm)
B—Shaft E—Motor Shaft H—3/16-inch (4.8 mm)
C—Support Bracket F—Motor I—Side Sheet

88-Inch (2 235 mm) and 132-Inch (3 353 mm)
Belt Pickup Illustrated

NOTE: The hydrostatic drive motor is mounted on the right-hand end of the belt pickup.

IMPORTANT: It is necessary that support bracket (C) is free to float on the spacers.



12-Foot (3.9 m) Pickup Platform Illustrated
Shield Removed

5. Be certain to dip O-rings in hydraulic oil and correctly seat them on straight connectors. Install connectors in belt pickup hydrostatic drive motor ports. Install 90° elbow on each connector on 88-inch (2 235 mm) and 110-inch (2 794 mm) belt pickups.

6. Remove plugs from both ends of steel hydraulic lines.

7. Attach pressure hydraulic hose to rear port of hydrostatic drive motor and lower pressure steel hydraulic line.

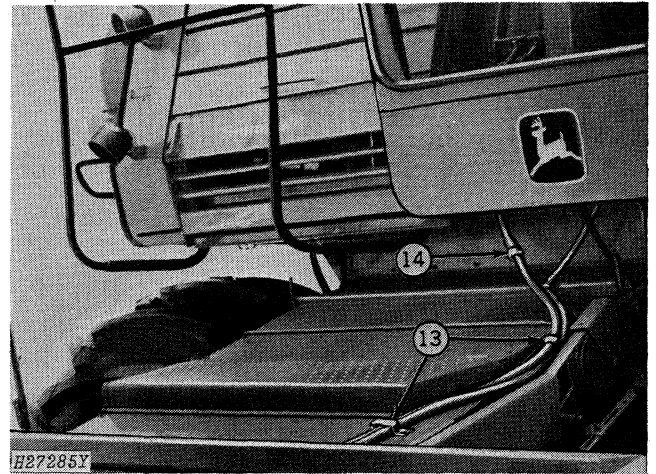
8. Attach hydraulic hose to front port of hydrostatic drive motor and upper steel hydraulic line.

9. The 88-inch (2235 mm) belt pickup requires a hose clamp in first hole on grain slide. Secure clamp with 5/16 x 3/4-inch cap screw and self-locking nut.

10. Secure drive shield over motor shaft, using two 1/4 x 5/8-inch round head machine screws.

11. Install O-ring into hose and then install nose to hose. Attach hose (with female fitting) to upper steel line.

12. Install O-ring into hose and then install body to hose. Attach hose (with female fitting) to upper steel line.

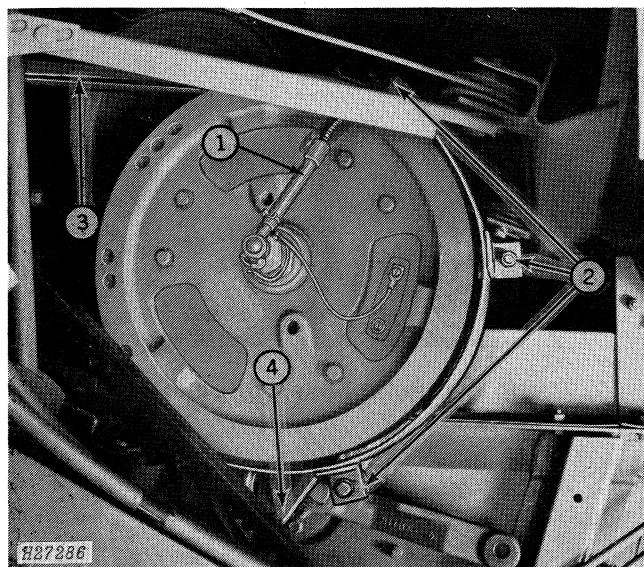


13. Route hydraulic hoses through clamps on feeder house.

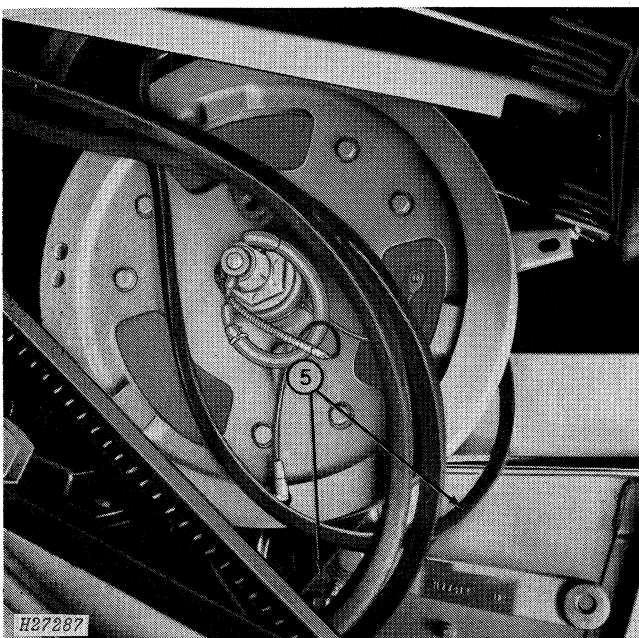
14. Attach two hydraulic hoses to coupling from control valve.

INSTALLING HYDROSTATIC DRIVE ON 3300, 4400, 6600, SIDEHILL 6600 AND 7700 COMBINE SEPARATORS

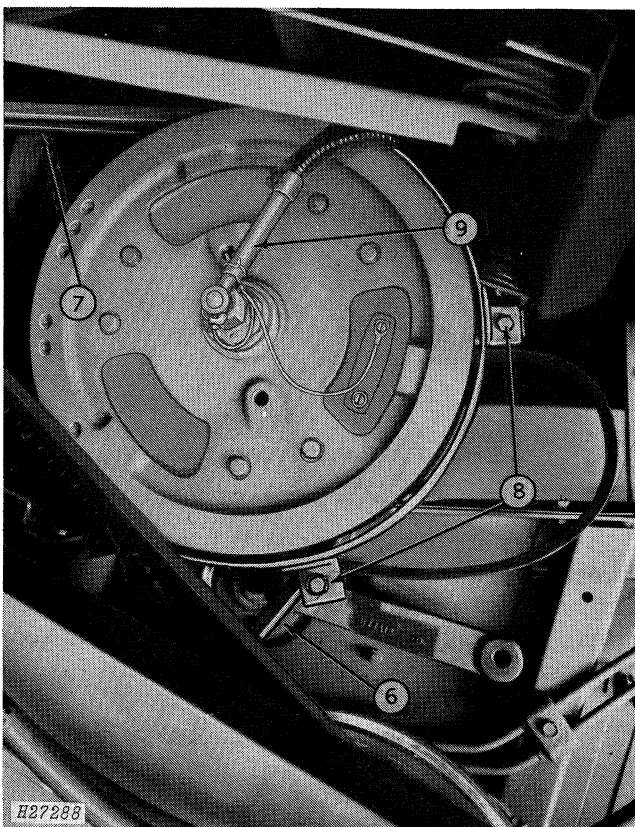
Installing Pump Drive Belt



1. Disconnect electric clutch wiring harness at terminal behind the clutch.
2. Remove the countershaft sheave shield.
3. Release the tension on the countershaft drive belts and pull belts off sheave.
4. Release tension on the platform upper drive belt.



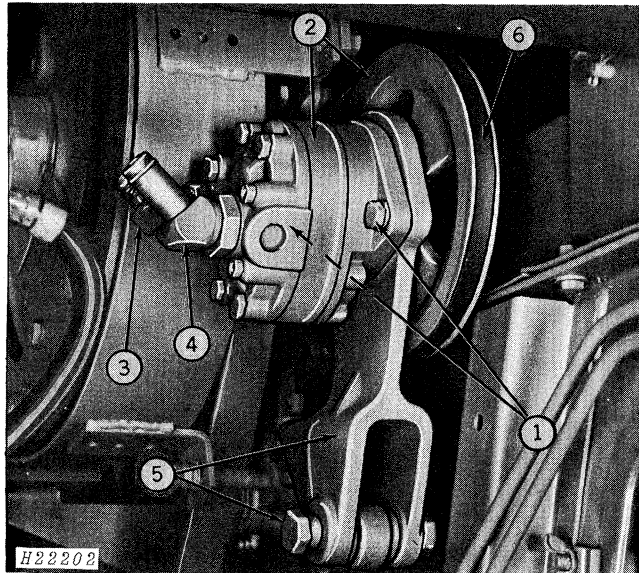
5. Install drive belt over countershaft sheave and thread belt under platform upper drive belt and position on drive sheave.



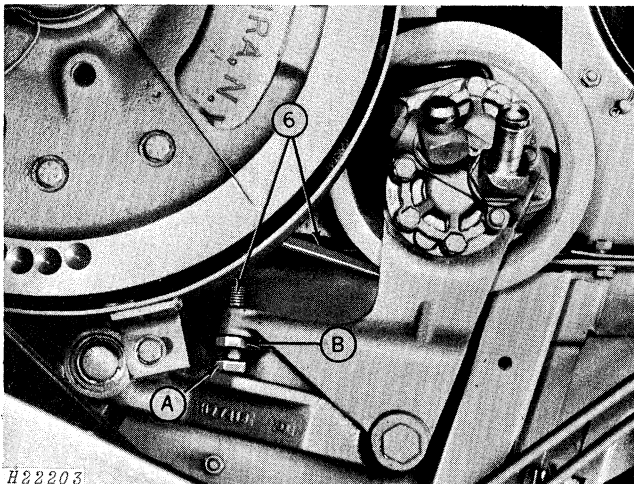
6. Tension platform upper drive belt. (See combine operator's manual.)
7. Place countershaft drive belts on sheave and tension belts. (See combine operator's manual.)
8. Install countershaft sheave shield.
9. Connect clutch wiring harness.

Installing Pump

3300 and 4400 Combines

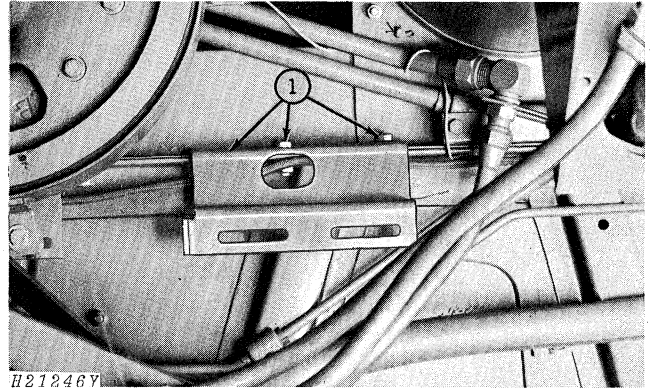


1. Attach pump to support arm, using two 3/8 x 1-1/4-inch cap screws.
2. Install sheave on pump, using a 5/32 x 5/32 x 5/8-inch key, a 25/64 x 7/8 x .060-inch washer, and a 3/8-inch nut.
3. Install O-ring on 45-degree elbow and thread elbow into pump.
4. Install O-ring on 45-degree stem and thread stem into pump.
5. Attach support arm to support, using a 5/8 x 3-1/4-inch shoulder bolt.

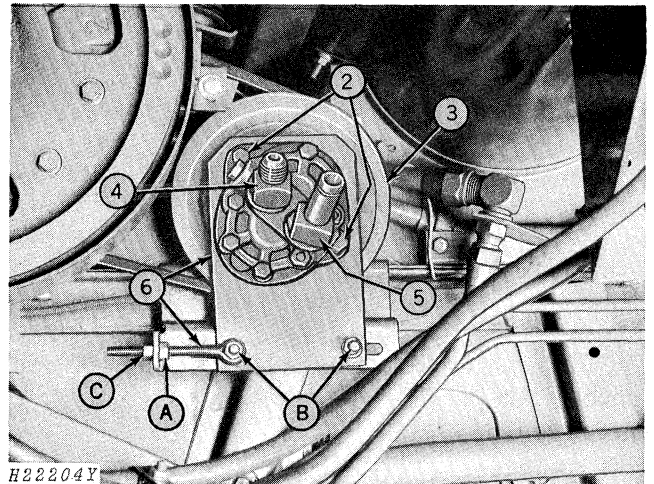


6. Install drive belt around sheave and turn cap screw (A) out against support casting, forcing pump sheave against belt until belt will operate without slipping.
Tighten lock nut (B).

6600 SideHill 6600 and 7700 Combines



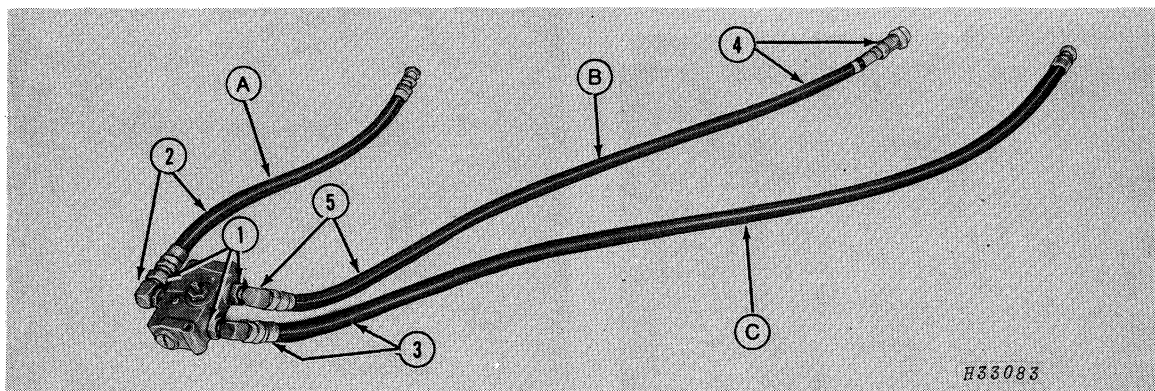
1. Install support bracket using two 3/8 x 1-1/4-inch cap screws, two 13/32 x 13/16 x .060-inch washers, and 3/8-inch nuts.



2. Attach pump to bracket using two 3/8 x 1-1/4-inch cap screws and 3/8-inch nuts.
3. Install sheave on pump, using a 5/32 x 5/32 x 5/8-inch key, a 25/64 x 7/8 x .060-inch washer, and 3/8-inch nut.
4. Install O-ring on 45-degree elbow and thread elbow into pump.
5. Install O-ring on 45-degree stem and thread stem into pump.
6. Thread nut (A) on eyebolt and attach pump bracket and eyebolt to support bracket. Use a 3/8 x 1-1/2-inch cap screw, two 13/32 x 13/16 x .060-inch washers (one between eyebolt and pump bracket), and 3/8-inch nut to attach brackets and eyebolt. Use a 3/8 x 1-1/4-inch cap screw, 13/32 x 13/16 x .060-inch washer and 3/8-inch nut to attach brackets. Do not tighten nuts (B).

7. Install belt on sheave and tighten nut (A) until belt will operate without slipping. Tighten nut (B) and install and tighten nut (C).

Installing Valve and Hoses



A—26-Inch Hose (660 mm)

B—48-Inch Hose (1 219 mm)

C—62-Inch Hose (1 575 mm)

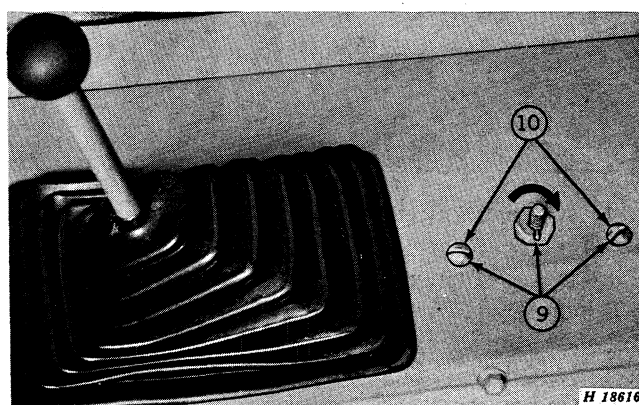
1. Install O-rings over three 90-degree elbows and thread them into the valve. Position as shown.

2. Attach a 1/2-inch (13 mm) I.D. x 26-inch (660 mm) long hose to 90-degree elbow.

3. Attach a 1/2-inch (13 mm) I.D. x 62-inch (1575 mm) long hose to 90-degree elbow.

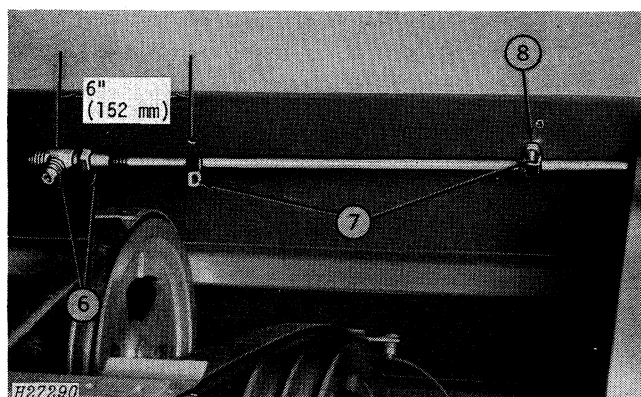
4. Install O-ring into 48-inch (1219 mm) long hose, then install coupler body to hose.

5. Attach the 48-inch (1219 mm) long hose with coupler body to 90-degree elbow.



9. Remove three knock-out plugs in console.

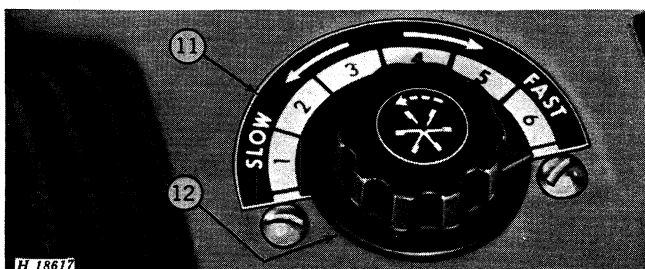
10. Insert valve with hoses under console and attach valve to console, using two 5/16 x 2-1/4-inch truss head machine screws. Turn valve stem clockwise as far as possible.



6. Assemble tee to tube.

7. Slide clips over tube.

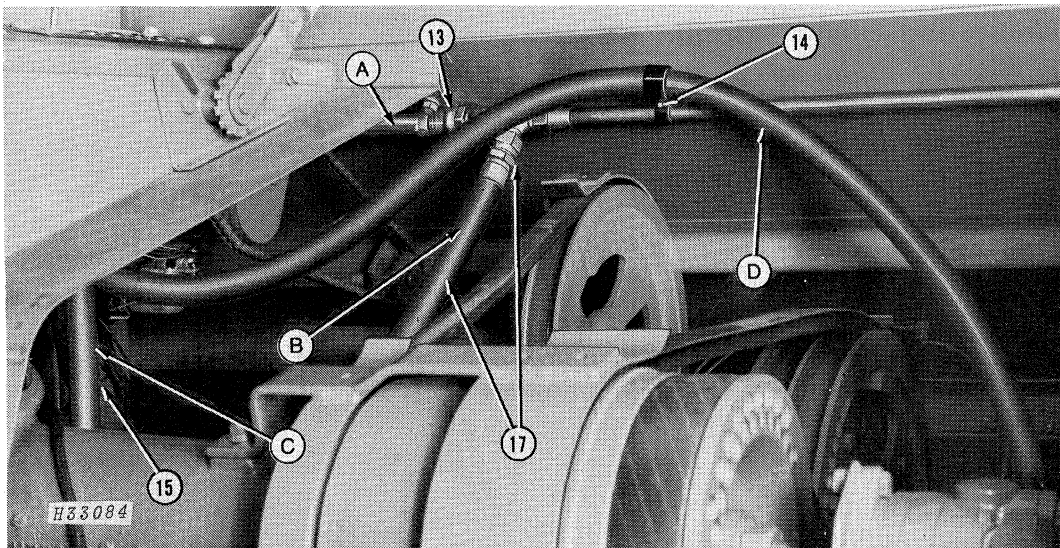
8. Attach left-hand clip to combine, using a 1/4 x 1-inch pan head machine screw.



11. Seal decal to console.

12. Attach knob to valve with pointer on Number 6 as shown.

NOTE: Before installing knob, make certain that stem is turned clockwise as far as possible.

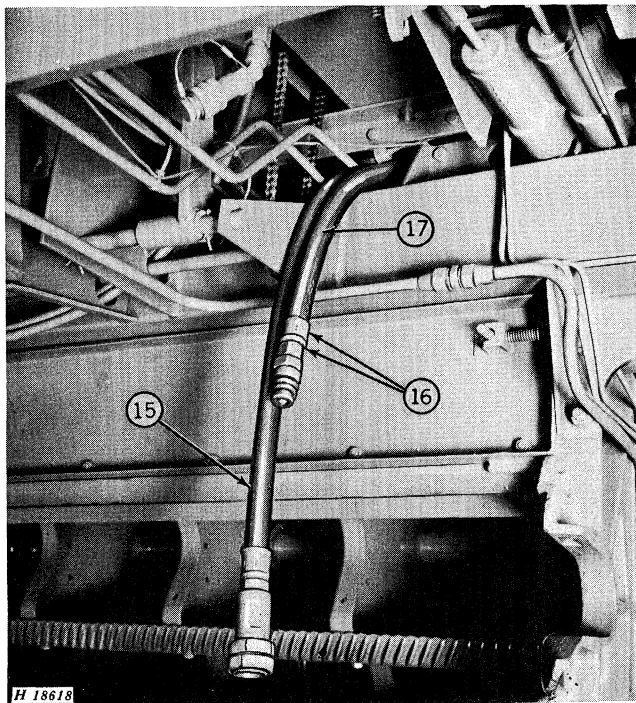


A—26-Inch Hose (660 mm)
B—52-Inch Hose (1 321 mm)

C—48-Inch Hose (1 219 mm)
D—62-Inch Hose (1 575 mm)

13. Attach 26-inch (660 mm) long hose to tee.

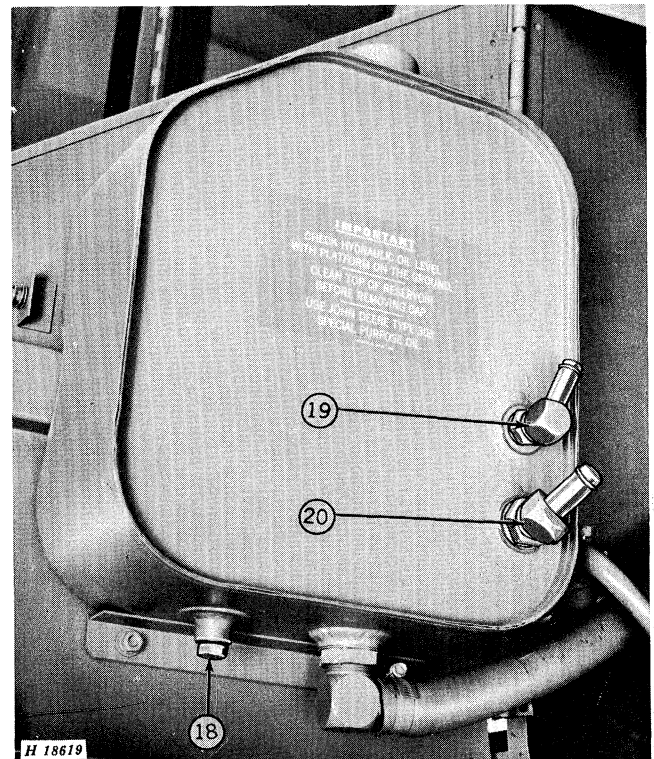
14. Attach 62-inch (1575 mm) long hose and tube to combine, using two clips and a 1/4 x 1-inch pan head machine screw.



15. Run the 48-inch (1219 mm) hose with coupler body under the engine bell housing and operator's platform.

16. Install O-ring into 52-inch (1321 mm) long hose, then install coupler nose to hose.

17. Run the 52-inch (1321 mm) hose with coupler nose under operator's platform and bell housing and attach it to the tee.



18. Drain oil from hydraulic reservoir into a clean container. Do not contaminate the oil.

19. Remove plug and install O-ring on 90-degree stem and thread stem into reservoir. Position stem as shown.

20. Remove plug and install O-ring on 45-degree stem and thread stem into reservoir. Position stem as shown.

Installing Valve and Hoses—Continued

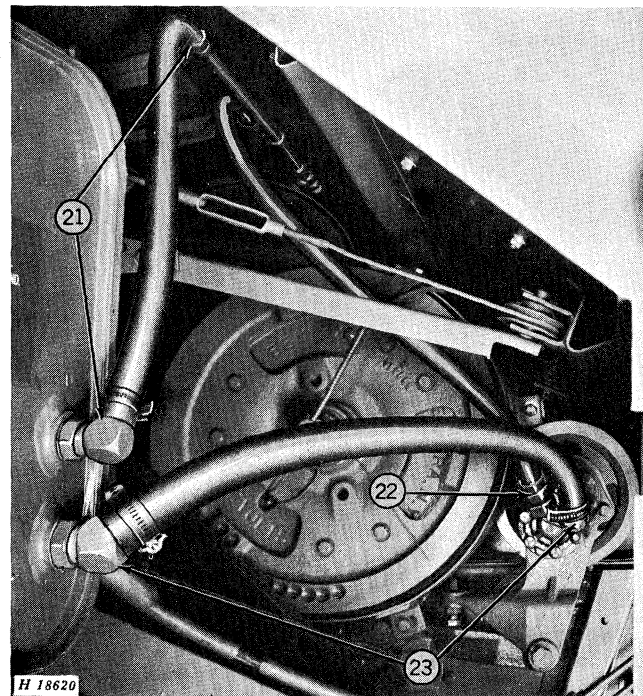
21. Attach hose (23 inches (584 mm) long on 3300 and 4400 Combines and 25 inches (635 mm) long on 6600 and 7700 Combines) from 90-degree stem on reservoir to tube, using two clamps.

NOTE: Position hose so it does not bind when door is closed.

22. Attach 62-inch (1575 mm) hose from valve to 45-degree elbow on pump.

23. Attach 3/4-inch (19 mm) I.D. x 31-inch (787 mm) long hose from 45-degree stem on reservoir to 45-degree stem on pump, using two clamps.

24. (Not illustrated) Refill reservoir to proper level. See combine operator's manual for correct oil.

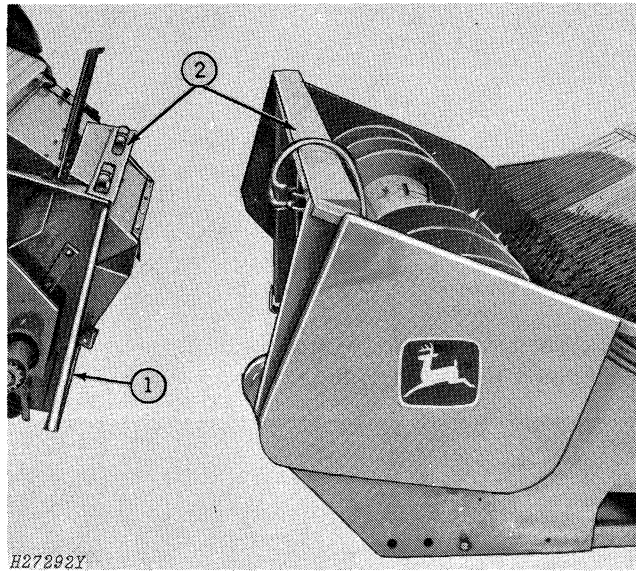




Attaching Platform

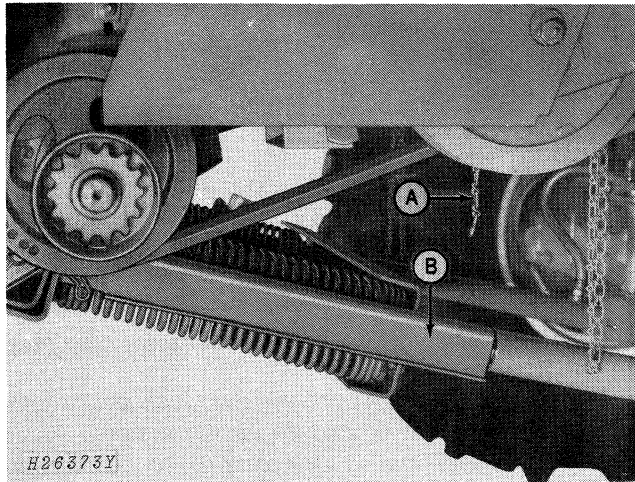
ATTACHING PICKUP PLATFORM TO 3300, 4400 (6600, 7700 AND 7701 COMBINES

-350000),



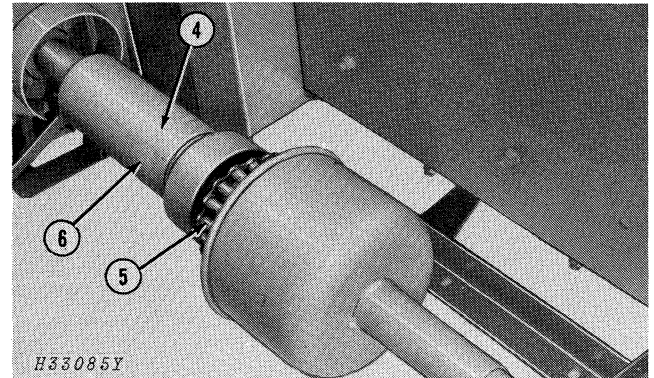
1. Lower feeder house.

2. Drive or pull combine forward until feeder house is in place. Raise feeder house.



3. Disconnect chain (A) and lower hydraulic cylinder safety stop (B) on piston rod.

NOTE: The two bolts in the feeder house frame must be removed before mounting platform, to insure a tight seal.



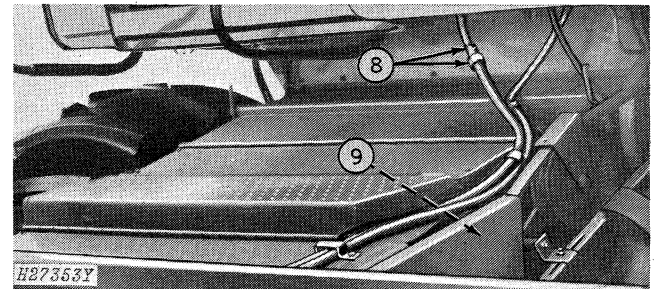
Right-Hand Drive Shaft Illustrated

4. Secure platform to feeder house with three or four 5/8 x 1-1/2-inch round head bolts, 21/32 x 2 x .250-inch washers and lock washers.

5. Place roller chain around sprockets (both sides).

6. Slide coupler housing over sprockets and roller chain (both sides).

7. Raise hydraulic cylinder safety stop (B) and hook to chain (A).

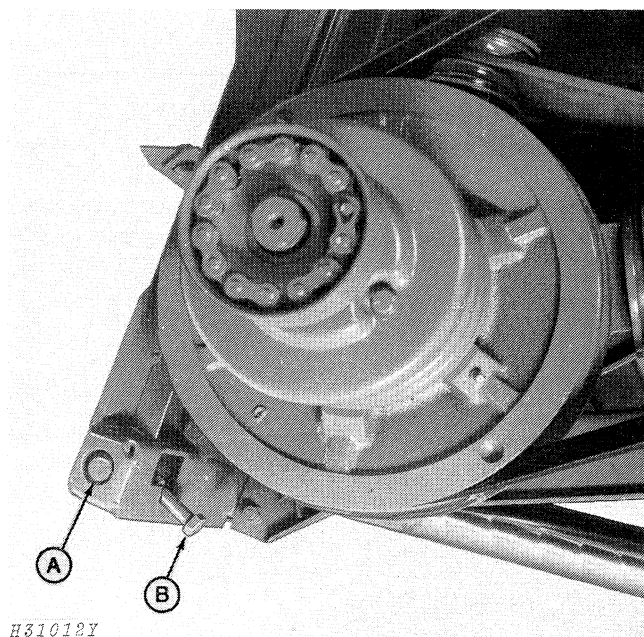


8. Connect hoses for hydrostatic belt drive at couplers or top of feeder house.

9. To prevent damage to variable speed feeder house hoses when they are disconnected, route hoses down between feeder house and variable-belt-drive and secure with clamps. Do not connect hoses together.

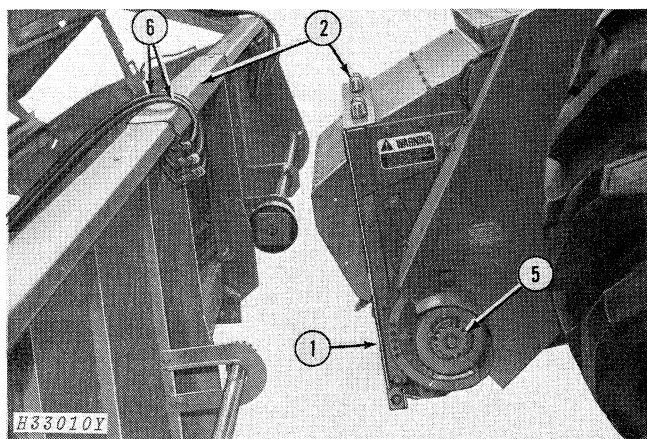
NOTE: After platform has been attached to the feeder house, check to be certain platform is level as shown in combine operator's manual.

ATTACHING PLATFORM TO 4400 (350001-6620, 7720, 7721 AND 8820 COMBINES),



H31012Y

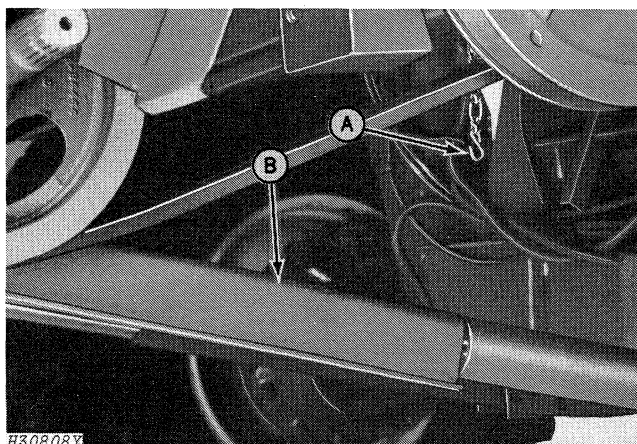
IMPORTANT: Lock pin (A) (both sides) must be positioned in before attaching header. Position pin by sliding stop bolt (B) in and then pivoting it down. If pins are left in the out position, damage to the feeder house will result when mounting a header.



H33010Y

1. Start engine and lower feeder house.

2. Drive or pull combine slowly forward until feeder house is centered in platform opening. Raise feeder house, lifting platform, all the way up. Shut off engine.

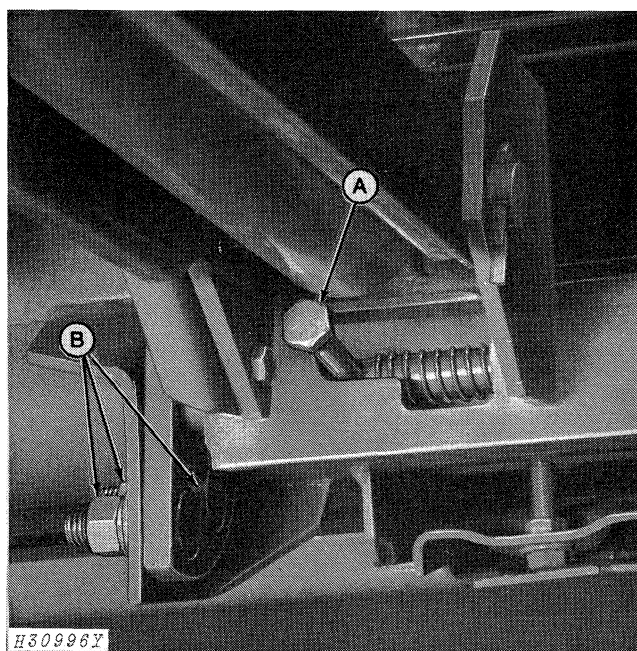


H30808Y

A—Support Chain

B—Safety Stop

3. Disconnect chain (A) and lower hydraulic cylinder safety stop (B) on lift cylinder.



H30996Y

A—Pivot Stop Bolt

B—Mating Lock Plate

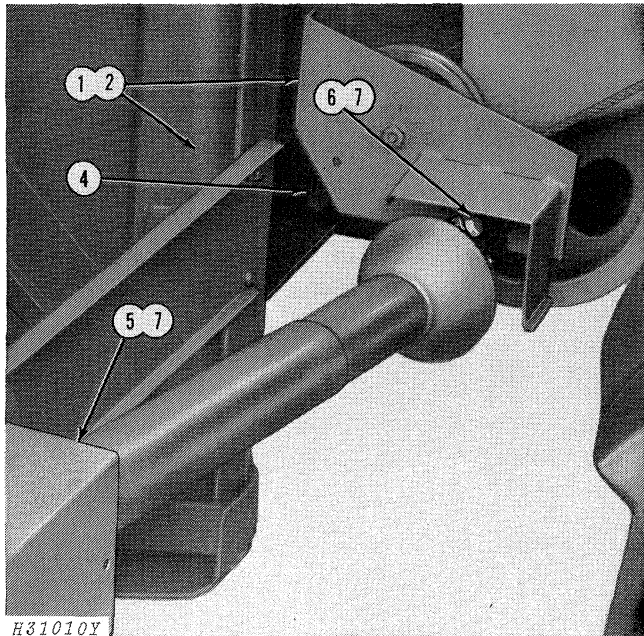
4. Pivot stop bolt (A) up, allowing lock pin to lock into header. Repeat procedure for other side.

NOTE: Loosen mating lock plate (B) on platform, to allow lock pin to center. On 8820 combines, install coupler shipped with feeder house on L.H. platform drive shaft.

5. Place chain around sprockets and slide coupler over sprockets and chain. Repeat for other side.

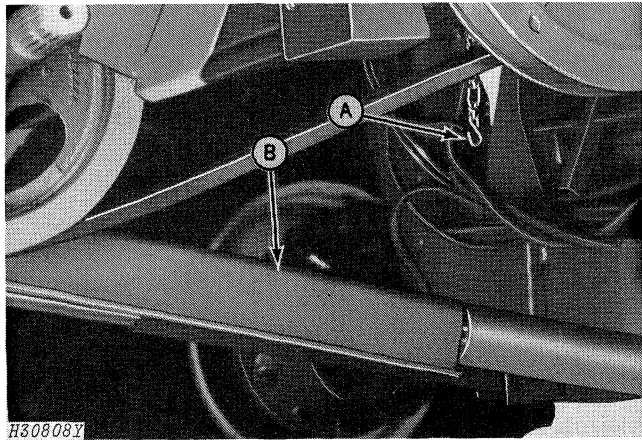
6. Connect reel lift and reel drive hoses.

ATTACHING PLATFORM TO SIDEHILL 6600 AND SIDEHILL 6620 COMBINES



1. Start engine and lower feeder house.

2. Drive combine slowly forward until feeder house is centered in platform opening. Raise feeder house, lifting platform, all the way up. Shut off engine.

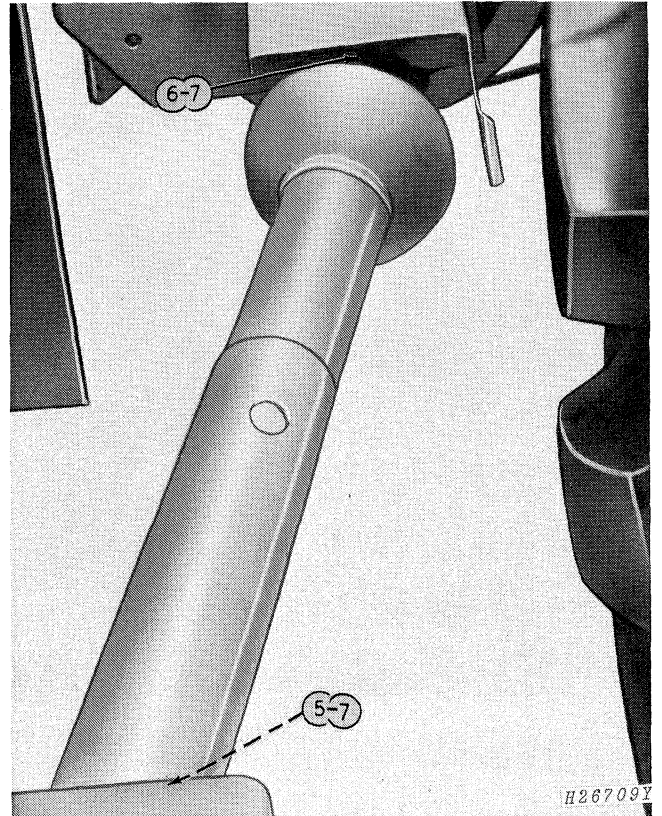


A—Support Chain

B—Safety Stop

3. Disconnect chain (A) and lower hydraulic cylinder safety stop (B) on lift cylinder.

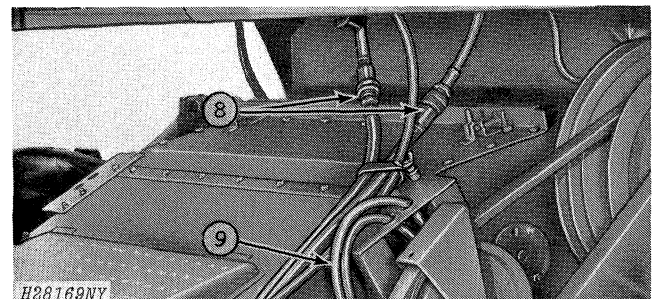
4. Secure platform to feeder house with two 5/8 x 1-1/2-inch cap screws, 21/32 x 2 x .250-inch washers and lock washers.



5. Slide the hex. end of telescoping drive shaft on hex. shaft on the platform.

6. Slide splined end of drive shaft on the splined feeder house shaft.

7. Tighten clamp on each end of drive shaft. Raise hydraulic cylinder safety stop and hook to chain.



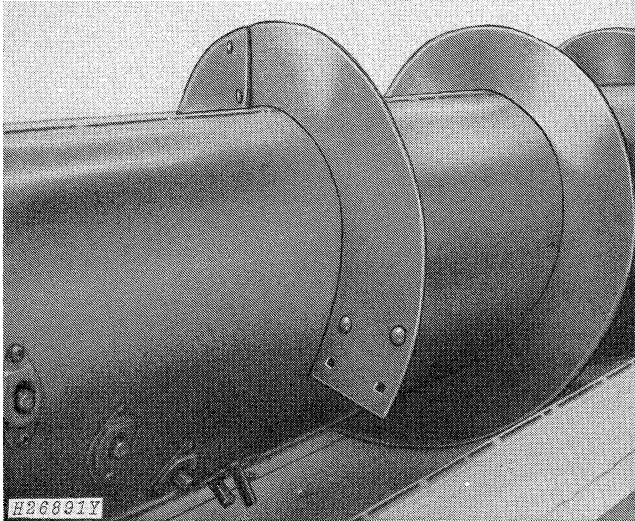
8. Connect reel lift and reel drive hoses.

9. To prevent damage to variable speed feeder house hoses when they are disconnected, route hoses down between feeder house and variable-belt-drive and secure with clamps. Do not connect hoses together.



Attachments

AUGER FLIGHT EXTENSIONS



Auger flight extensions are recommended for use in short, slick feeding conditions. The extensions help convey material closer to the center of the feeder house for even feeding to the cylinder.



Specifications

Pickup Widths 88, 110, 132 in.
(2.24, 2.79, 3.35 m)

Platform Height Control Hydraulic

Pickup Belts:

Width of belts 22 in. (559 mm)

Number of belts per pickup:

88 in. (2.24 m) 4

110 in. (2.79 m) 5

132 in. (3.35 m) 6

Operating speed of belts 38 - 339 ft./min.
(11.6 - 103.3 m/min.)

Number of rollers 3

Pickup Carriage Adjustment ... Fore-and-aft
through 8 in. (203 mm) range

Extension 0, 4, 8 in. (0, 102, 203 mm)
(Pickup Platforms and 200 Series Platforms)

Pickup Fingers:

Type Steel or plastic

Number of fingers per belt 60

Auger:

Float range 1-1/2-in. (38.1 mm)

Diameter 24 in. (610 mm)

Auger fingers Heavy-duty, round, 5/8-in.
(15.9 mm) diameter with breakaway notch

Number of auger fingers 18

Auger finger pattern Spiral, retracting

Finger reach 6 in. (152 mm)

Operating speed 150 rpm

Tires:

Pressure 20 psi (1.40 bar)

(Specifications and design subject to change without notice)

MODEL NUMBER		
☐ 88-inch	☐ 110-inch	☐ 132-inch
Date of Purchase _____		
<i>(To be filled in by purchaser)</i>		

PICKUP PLATFORM SERIAL NUMBER

The platform serial number is on a plate located on the top, left-hand end of the platform.

When ordering parts, always bring with you the serial number as given on the serial number plate. By doing so, you will assist your John Deere dealer in giving you prompt, efficient service.

Serial Number

Date Purchased

(To be filled in by purchaser)

MEMORANDA

JOHN DEERE SERVICE LITERATURE AVAILABLE...

To order these publications fill out this form and the payment information and mail it to the address above. Make checks payable to Deere & Co. Service Publications. Please allow three weeks for delivery. No COD orders, please. Do not send cash or stamps. To place credit card orders, call **1-800-522-7448**. If you want manuals or catalogs for equipment not shown on this list, provide the model number, serial number, and name of the product.

John Deere Distribution Service Center
Department S/P
P.O. Box 186, Moline, IL 61266-0186

Name _____

Address _____

Town _____

State _____ Zip _____

Title	Order No.	Qty.	Price Each
Parts Catalog 88-, 110-, and 132-Inch Three-Roller Belt Pickups	PC-1189		
Operator's Manual 88-, 110-, and 132-Inch Three-Roller Belt Pickups	OM-H102834		

NOTE: If you want manuals or catalogs for equipment not shown on this list, list the model number, serial number and name of the equipment below.

FMO Manual - Tractors	FMO-101B	
FMO Manual - Tillage	FMO-111B	
FMO Manual - Planting	FMO-121B	
FMO Manual - Crop Chemicals	FMO-131B	
FMO Manual - Hay & Forage Harvesting	FMO-141B	
FMO Manual - Combine Harvesting	FMO-151B	
FMO Manual - Preventive Maintenance	FMO-161B	
FMO Manual - Machinery Management	FMO-171B	
FMO Manual - Machine Safety	FMO-181B	
FMO Set of 9 Manuals above	FMO-394 Set	
FOS Manual - Hydraulics	FOS-10B	
FOS Manual - Electrical Systems	FOS-20B	
FOS Manual - Engines	FOS-30B	
FOS Manual - Power Trains	FOS-40B	
FOUR FOS MANUALS (above)	FOS-90 Set	
FOS Manual - Shop Tools	FOS-51B	
FOS Manual - Welding	FOS-52B	
FOS Manual - Belts and Chains	FOS-53B	
FOS Manual - Bearings and Seals	FOS-54B	
FOS Manual - Tires and Tracks	FOS-55B	
FOS Manual - Mowing and Spraying Equipment	FOS-56B	
FOS Manual - Air Conditioning	FOS-57B	
FOS Manual - Fuels, Lubricants and Coolants	FOS-58B	
FOS Manual - Fiber Glass	FOS-59B	
FOS Manual - Fasteners	FOS-60B	
FOS Manual - Ident. of Parts Failures	FOS-61B	
SET OF ELEVEN FOS MANUALS FOS-51B, 52B, 53B, 54B, 55B, 56B, 57B, 58B, 59B, 60B and 61B	FOS-71 Set	
SET OF ALL FIFTEEN FOS MANUALS	FOS-181 Set	

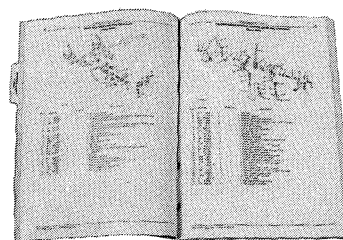
Illinois State Residents add 5% for ROT.

Check or money order in U.S. dollars enclosed Total
(Do not send cash or stamps)

Prices subject to change without notice.

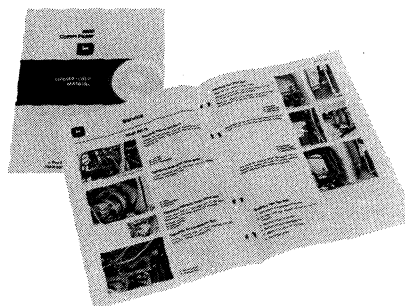
CD 222 1152 12 U.S.A. JAN 79

PARTS CATALOG



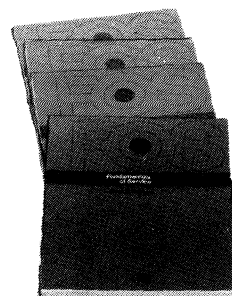
A parts catalog containing exploded view illustrations, and lists of all parts is useful when purchasing service parts. Helps identify the correct parts. Useful in assembling and disassembling.

OPERATOR'S MANUAL



An extra copy of the operator's manual may be important if the copy furnished with your machine is misplaced.

FMO AND FOS MANUALS



These are basic manuals covering most all types and makes of agricultural machinery. FMO manuals tell you how to *operate* machines; FOS manuals tell you how to *service* machines. Each manual starts with basic theory and is fully illustrated with colorful diagrams and photographs. Both the "whys" and "hows" of adjustments and repairs are covered in this reference library.

For current prices of John Deere Service Literature, please call 1-800-522-7448

Service to keep you on the job

We, at your John Deere dealer's, pride ourselves in having what it takes to help keep you on the job...

John Deere Parts.

We help minimize downtime by putting the right parts in your hands in a hurry. That's why we maintain a large and varied inventory—to stay a jump ahead of your needs.



The right tools.

Precision tools and testing equipment enable our Service Department to locate and correct troubles quickly... to save you time and money.



Well-trained technicians.

School is never out for John Deere service technicians. Training schools are held regularly to be sure our personnel know your equipment and how to maintain it. Result? Experience you can count on!



Prompt service.

Our goal is to provide prompt, efficient care when you want it and where you want it. We can make repairs at your place or at ours, depending on the circumstances. See us. Depend on us.



John Deere Service Superiority: We'll be around when you need us

