

88-, 110-, AND 132-INCH BELT PICKUPS



JOHN DEERE

OPERATORS MANUAL 88-, 110-, AND 132-INCH BELT PICKUPS

OMH65123 G7 English

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LITHO IN THE U.S.A.
ENGLISH



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TO THE PURCHASER

This belt pickup has been designed and manufactured to provide years of dependable, economical service.

To insure trouble-free service, follow closely all instructions concerning installation, operation, lubrication, adjustments and service. Preventive maintenance has proven to be much more economical than corrective maintenance. Should you require information not covered in this manual, consult your John Deere dealer.

Should your belt pickup require replacement parts, go to your John Deere dealer where you will receive John Deere parts - accept no substitutes. John Deere parts fit properly and insure satisfactory service because they are made from the original patterns and from the same material as the new machines.

LOCATION REFERENCE

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

APPLICATION

This operator's manual covers the 88-Inch, 110-Inch, and 132-Inch Belt Pickups installed on the 55 and 95 Combine Quick-Tatch platforms; the 88-Inch and 110-Inch installed on the 65 and 96 Combine cutting or pickup platforms; the 110-Inch and 132-Inch Belt Pickups installed on the 105 Combine Quick-Tatch platform and on the 106 Combine cutting or pickup platforms.

Date of Purchase _____

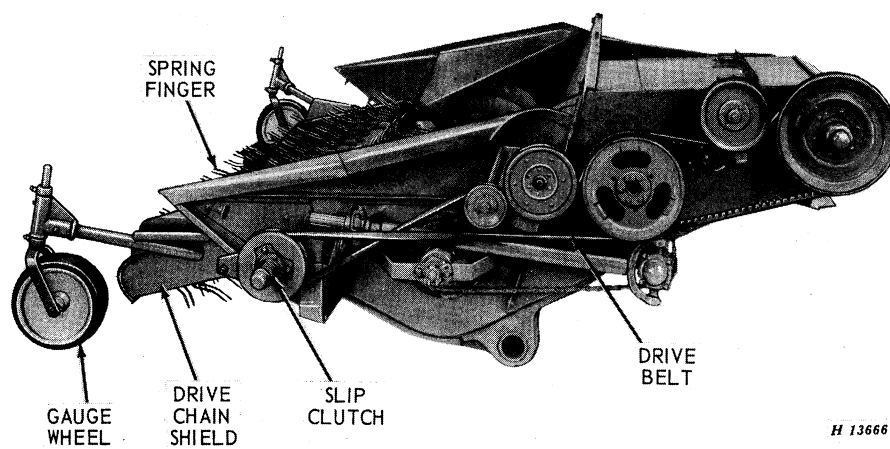
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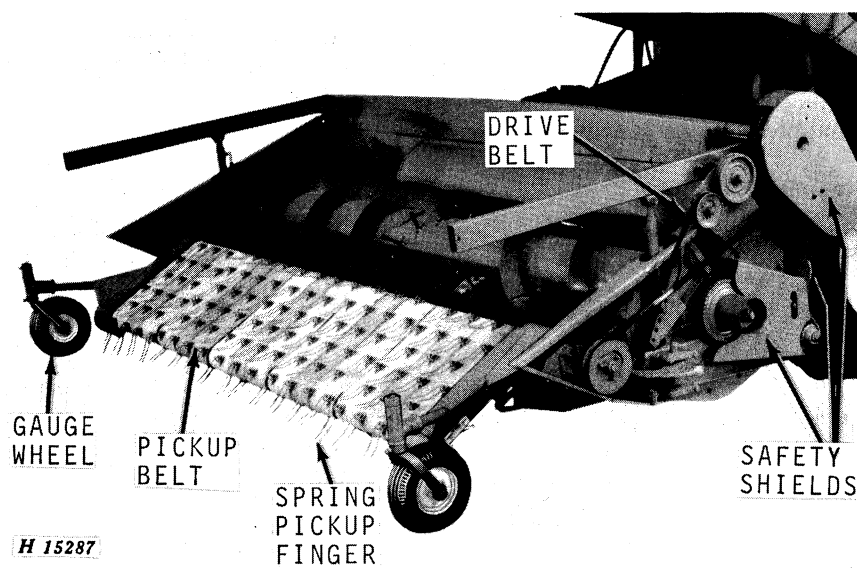
SPECIFICATIONS

Width of Belt	22 inches	Number of Belts Per Pickup:	
Number of Pickup Fingers		88-Inch Pickup	4
Per Belt	42	110-Inch Pickup	5
Type of Pickup Fingers . . .	Spring-tooth	132-Inch Pickup	6
Type of Drive	V-belt	Optional Equipment .	Gauge wheels
		(gauge wheels only	or runner
		on 132 Inch Pickup)	shoes

(Specifications and design subject to change without notice)



*John Deere 110-Inch Belt Pickup Mounted
on a 65 Combine Platform*



*John Deere 110-Inch Belt Pickup Mounted
on a Quick-Tach Platform*

OPERATION

PICKING UP

The belt pickup should be operated just fast enough to elevate the windrow onto the platform without tearing the windrow apart as the combine moves forward. If the crop is pushed ahead of the belt pickup or if it does not release from pickup stripper, the speed of the pickup is too slow.

Should the belt pickup gather any foreign material, such as a rock, disengage the separator and remove the foreign material before any damage can be done to the separator.

Do not overload the combine—overloading always means waste of grain and undue wear on the combine.

Be sure the grain is thoroughly dry before starting to pick up. Don't guess. Test for moisture content.

TRANSPORTING

The belt pickup should be raised off the ground and laid back on platform when transporting.

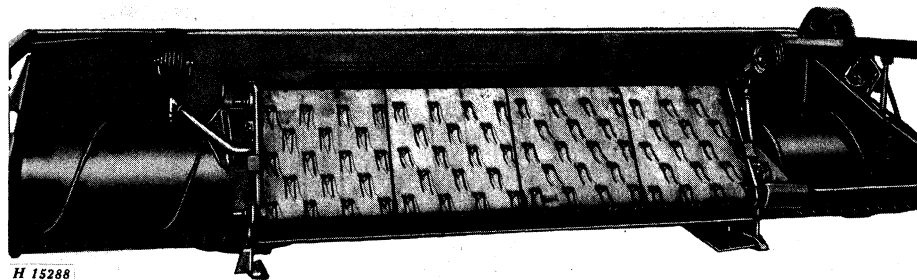
STORAGE

Do not allow belt pickup to stand idle for a period of time on wet or muddy ground.

Remove pickup belts and store in a dry, cool place where they will not be subject to damage. Do not roll the belts.

Protect rollers and all sheet metal parts from rust by use of paint.

Be sure to lubricate all grease fittings thoroughly before using belt pickup again.



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*Belt Pickup in Transporting Position
on a John Deere Quick-Tach Platform*

SAFETY SUGGESTIONS

Study these suggestions carefully and insist that they be followed by those working with you and for you.

All machinery should be operated only by responsible persons who have been delegated to do so.

Never clean, oil, or adjust the belt pickup when it is running.

Clothing worn by operator should be fairly tight and belted. Loose jackets, skirts, shirts, or sleeves should never be worn because of the danger of getting into moving parts.

Make sure everyone is clear of the combine before starting the combine or tractor engine so no one can be struck by moving parts.

Always disengage drive and shut off the combine or tractor engine before working on belt pickup.

Replace badly frayed or worn belts before they break.

Be sure shields and guards are in place and in good condition before starting in the field.

Provide a first-aid kit for use in case of accident, and use proper antiseptics on scratches, cuts, etc., without delay, to prevent the possibility of infection.

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

LUBRICATION

KEEP LUBRICANTS CLEAN

Wipe dirt from grease fittings and grease gun nozzle before greasing.

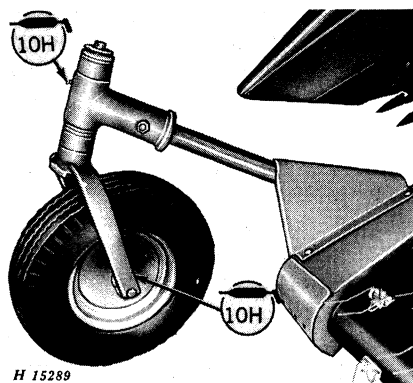
Replace all missing or damaged grease fittings immediately.

LUBRICATION OF CHAINS

Chains should be lubricated at frequent intervals with SAE 10W oil. A paint brush is a good instrument for applying oil to chains.

CAUTION: Do not oil chains when operating in sandy conditions. Sand will stick to the oiled chain and act as an abrasive.

 Grease every 10 hours of operation with SAE multi-purpose grease.



Gauge Wheel

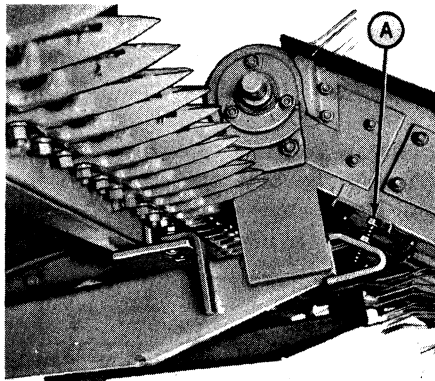
NOTE: No other lubrication is required.

ADJUSTMENTS AND SERVICE

BELT PICKUP HEIGHT

The height of the belt pickup is regulated through gauge wheels or runner shoes. Operate the belt pickup just low enough to allow the pickup fingers to gather in all the grain, but high enough so that the fingers do not dig into the ground.

PITCH OF BELT PICKUP



Operate the belt pickup as level as possible under normal ground conditions. Increase the pitch only in rocky conditions. Increased pitch prevents rocks from being carried into the platform auger.

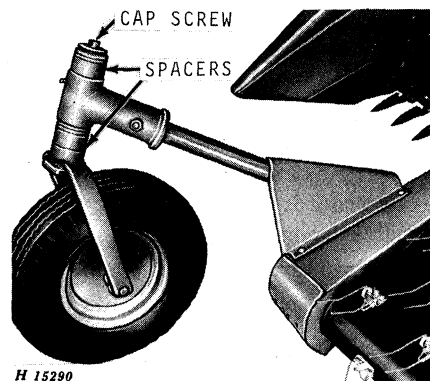
The pitch of the belt pickup is regulated during operation by extending or retracting the platform hydraulic cylinders.

For level running, adjust gauge wheels downward so pickup fingers will not dig into the ground.

For increased pitch in rocky conditions, raise gauge wheels upward to maintain proper finger ground clearance.

Adjustable transport support stop "A," located on the support angle, should be adjusted evenly on both sides of belt pickup.

ADJUSTING GAUGE WHEELS (55, 95, 105, and 106 Combines)



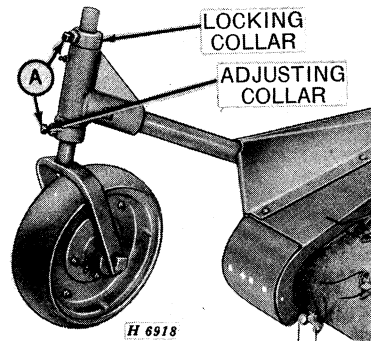
Remove cap screw and washer.

Position spacers on top of casting to increase the pitch of the belt pickup or position the spacers below the casting to decrease the pitch.

Replace cap screw and washer.

ADJUSTING GAUGE WHEELS (65 and 96 Combines)

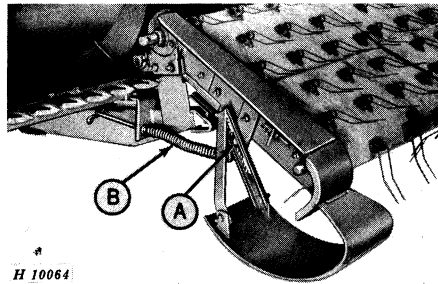
To adjust gauge wheel height, loosen set screws "A" in both collars. Adjust gauge wheel up or



down to desired position. Fit adjusting collars snug against bearing support and tighten set screws "A."

Make certain both sides of belt pickup are adjusted to same height.

RUNNER SHOE ADJUSTMENT

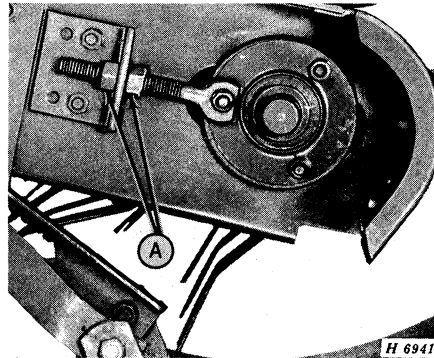


Loosen bolt "A" on runner shoe adjusting bracket and raise or lower shoe as desired; then tighten bolt. Make certain both shoes are adjusted evenly.

BALANCE SPRING RODS

Seven holes in the balance spring rod provide adjustment of spring "B" so runner shoe just skims over the ground. Make certain both springs are adjusted evenly.

PICKUP BELTS



ADJUSTING TENSION

It is recommended that pickup belts have approximately 1 to 1-1/2-inch free play at center of belt as shown at upper right.

Adjust tension with lock nuts "A."

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

REMOVING BELTS

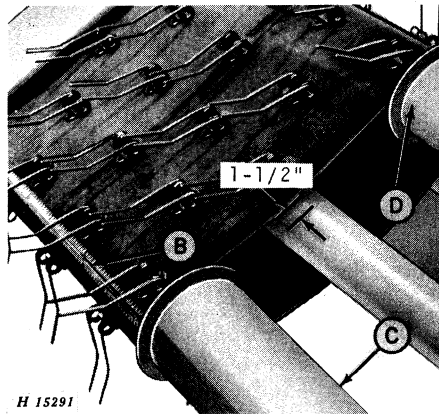
Relieve tension by loosening lock nuts "A." Pull lacing pin "B" out of lacings and remove belts.

INSTALLING BELTS

Place belts around rollers so that the lacings come together over lower roller "C." Hold lacings together and insert pin "B." When replacing belts, install right-hand and left-hand belts before installing center belt. Obtain proper belt tension by adjusting lock nuts "A."

6 Adjustments and Service

PICKUP FINGERS

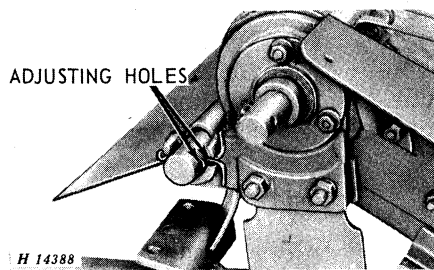


If the fingers become bent or damaged they should be straightened or replaced immediately.

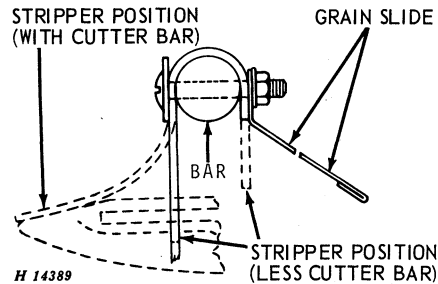
REPLACING FINGERS

To replace fingers, turn belt pickup drive sheave until the finger that is to be replaced is directly over roller "D," then remove lock nut securing finger with clips. Insert new finger and clips and secure with lock nut.

STRIPPER



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

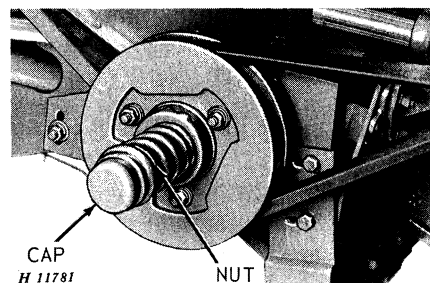


If the platform has no cutter bar, additional area may be gained by turning stripper on bar, cutting or punching a new row of holes, and replacing stripper.

SLIP AND BACKUP CLUTCH

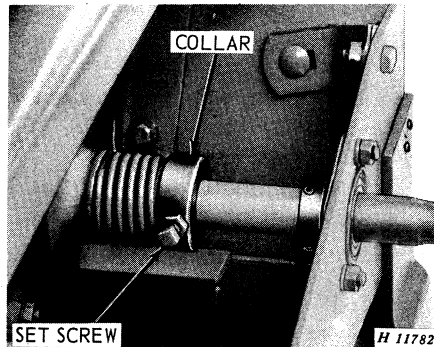
Pickup drives are protected by slip and backup clutches on all combines except the 106 Combines. When clutches slip, stop immediately, determine the cause, and correct. A poorly adjusted clutch will wear excessively, requiring eventual replacement.

Do not increase tension of safety clutches unless it has been determined by careful examination that lack of tension is the cause of slippage.



Sheave Slip Clutch

Pickups mounted on 65 and 96 Combines have a slip clutch in the



Drive Shaft Clutch

sheave at the end of the drive shaft. All pickups described in this book have a backup clutch on the drive shaft except when installed on 106 Combines.

Slip clutch springs should be set with just enough tension to work without slipping. Set slip clutch loosely at first and tighten gradually until proper working tension is deter-

mined. Do not increase tension to a point where clutch will not slip.

Obtain proper tension on the drive shaft backup clutch by adjusting the collar and securing with set screw. Adjust the sheave slip clutch by removing cap and cotter pin and screwing nut on or off the shaft.

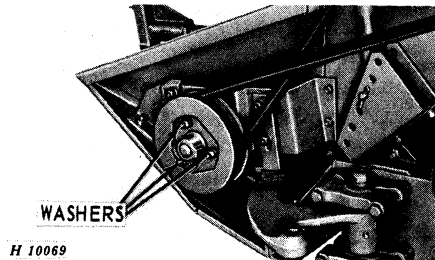
ADJUSTING CHAINS AND DRIVE BELTS

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

Tighten drive belt tension just enough so that belt slippage will not occur in normal operation. Adjust belt tightener sheave as necessary to obtain proper belt tension.

8 Adjustments and Service

ADJUSTING SPEEDS OF BELT PICKUPS INSTALLED ON 55, 95, AND 105 COMBINES

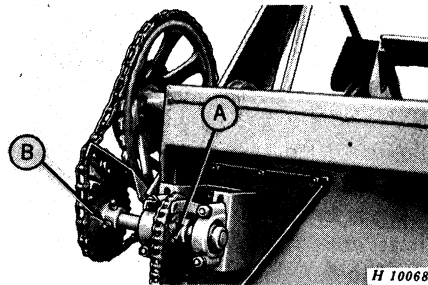


Different speeds within the ranges indicated may be obtained by changing location of the washers on the adjustable driven sheave.

To decrease belt speed, remove washers from between sheave halves and place them on the outside; to

increase speed, add these washers between the halves.

Within the regular and high speed ranges one set of washers alters the speed by approximately 21 rpm.

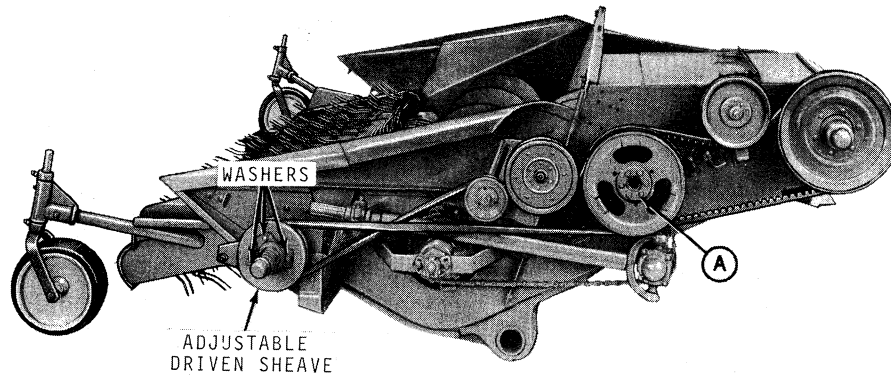


SPEED CHART FOR BELT PICKUPS USED WITH 55, 95, AND 105 COMBINES

Sprocket Combinations		Speed Ranges Regular Speed		High Speed
Sprocket "A"	Sprocket "B"	88 Inch Pickup	110 and 132 Inch Pickups	110 and 132 Inch Pickups
H35722H 16 Tooth	H35716H 30 Tooth	343-434 rpm		343-434 rpm
H35717H 18 Tooth	H35716H 30 Tooth		306-387 rpm	

NOTE: Sprockets H35717H and H35716H are provided with the combine. Sprocket H35722H is provided with the belt pickup.

ADJUSTING SPEEDS OF BELT PICKUPS INSTALLED ON 65 AND 96 COMBINES



H 14390

Different speeds within the ranges indicated may be obtained by changing location of the washers on the adjustable driven sheave.

To decrease pickup belt speed, remove washers from between sheave halves and place them on the outside; to increase speed, add these washers between the halves.

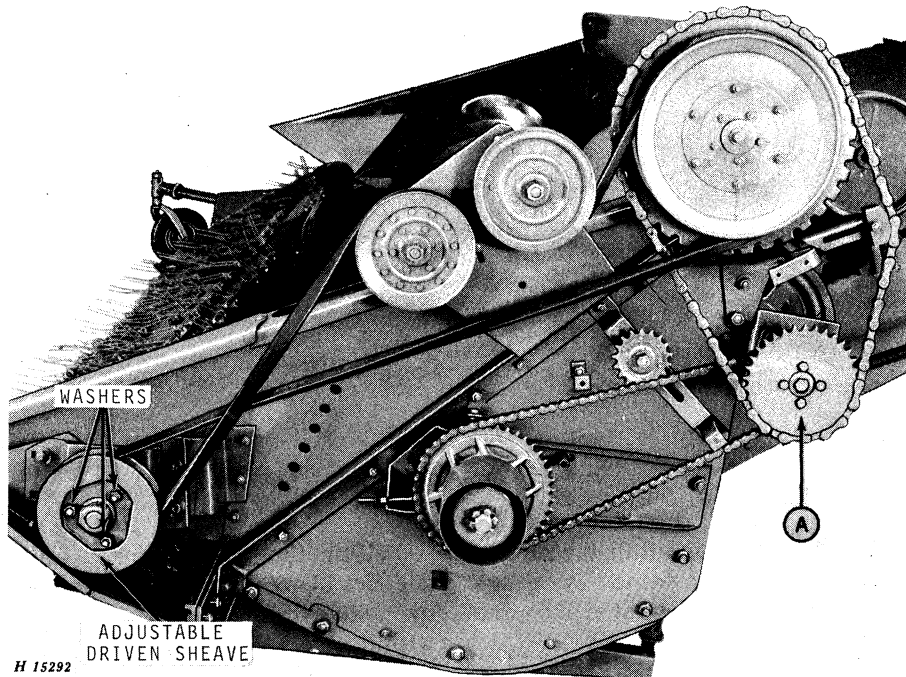
Within the regular speed ranges one set of washers alters the speed by approximately 19 rpm, while within the slow speed ranges one set of washers alters the speed by approximately 14 rpm.

SPEED CHART FOR BELT PICKUPS USED WITH 65 AND 96 COMBINES

Drive Sheave "A"	Speed Ranges	
	Used on 65 Combines	Used on 96 Combines
Regular PK1922H	353-431 rpm	363-443 rpm
Slow Speed* PK694H	259-316 rpm	266-325 rpm

*Slow speed sheave may be purchased from your John Deere dealer.

ADJUSTING SPEEDS OF BELT PICKUPS INSTALLED ON 106 COMBINES



Different speeds within the ranges indicated may be obtained by changing location of the washers on the adjustable driven sheave.

To decrease pickup belt speed, remove washers from between sheave halves and place them on the outside; to increase speed, add these washers between the halves.

Within the regular speed ranges one set of washers alters the speed by approximately 23 rpm, while within the slow speed ranges one set of washers alters the speed by approximately 20 rpm.

SPEED CHART FOR BELT PICKUPS USED WITH 106 COMBINES

Drive Sprocket "A"	Speed Ranges
	106 Combines
Regular H64234	352 - 445 rpm
Slow Speed* H64331	309 - 391 rpm

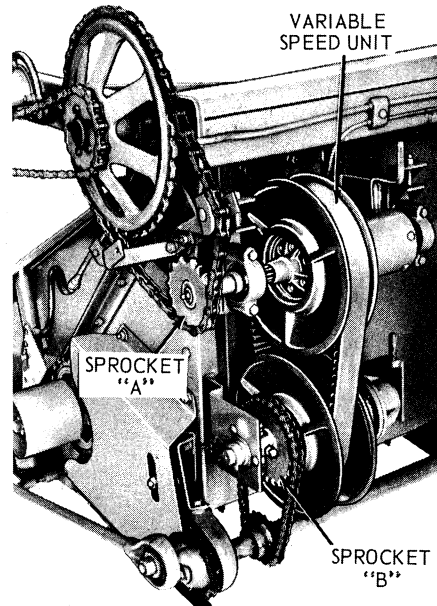
*Slow speed sprocket may be purchased from your John Deere dealer.

BELT PICKUP VARIABLE SPEED ADJUSTMENT FOR 55, 95, AND 105 COMBINES

Using both the variable speed control and the adjustable sheave, a speed range of 175 through 525 rpm may be obtained.

To prepare the variable speed for use with the belt pickup remove sprocket "B" and install the 18-tooth sprocket H35717H furnished with the pickup. Replace 22-tooth sprocket "A" with 30-tooth sprocket "B."

The slower speeds within the over-all range may be obtained by removing all washers from between the drive sheave halves, and the higher speeds by placing all washers between the sheave halves.



NOTE: Shields Removed for Illustration Purposes.

H 10071

ASSEMBLY AND INSTALLATION

Check the shipment for shortage, loss, or damage. If any exist, make the proper notations on the freight bill.

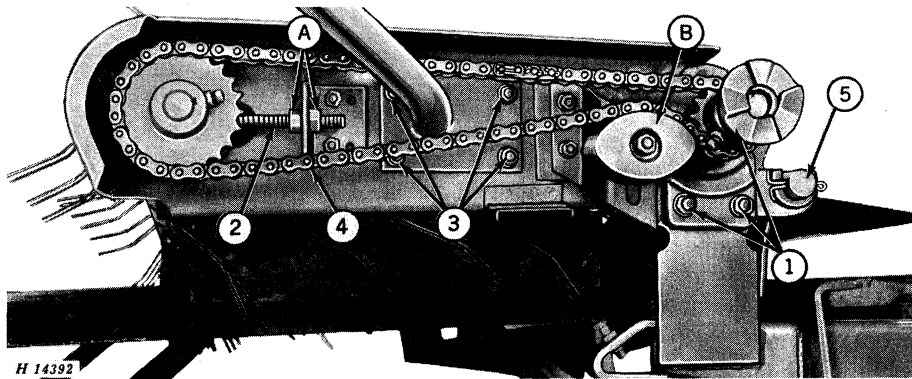
Unpack all shipping packages and arrange all parts conveniently.

The illustrations on the following pages show the proper sequence for assembling and installing the belt pickup. The numbers on the illus-

trations give the proper order of assembly and refer to the numbered paragraphs which explain exactly what should be done.

When attaching one part to another, put nuts on bolts loosely with lock washers under nuts; tighten nuts and spread cotter pins after parts have been completely assembled. This will make assembly much easier.

GAUGE WHEELS (Optional)



H 14392

L. H. Side

1. Set belt pickup on sturdy support. Bolt left-hand support arm to bearing housing. On 55, 95, and 105 Combines, attach slip clutch half to shaft with pin and cotter pin.

2. Relieve tension on pickup belts by loosening the two lock nuts "A" on adjusting bolts.

3. Bolt left-hand gauge wheel support arm to belt pickup. When assembling a 110-Inch or 132-Inch Belt Pickup, attach balance spring bracket. (See Step 4 under RUNNER SHOES for installation of spring rod assembly - use second hole from bottom of bracket instead of bottom hole as used with runner shoes.)

4. Attach belt pickup lower roller drive chain and tightener block "B." Adjust chain to proper tension.

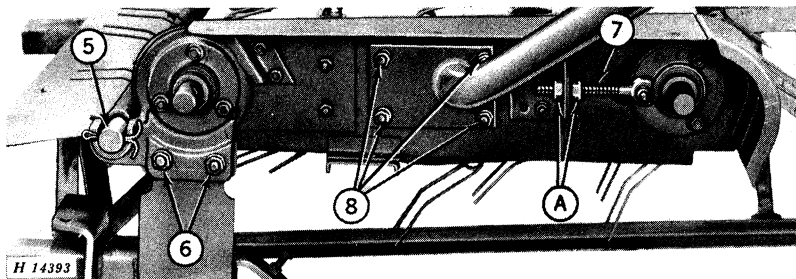
(See page 7.) Adjust tension on pickup belts by threading front lock nut "A" against bracket and locking it with rear nut "A." See page 5 for correct pickup belt tension.

5. Attach stripper assembly, being certain to spread cotter pins fully at both ends of bar. On platforms equipped with cutter bar, rubber stripper is to cover the guards. See stripper illustration on page 6.

6. Bolt right-hand support arm to drive roller bracket.

7. Release tension on pickup belts by loosening the two lock nuts "A" on adjusting bolt.

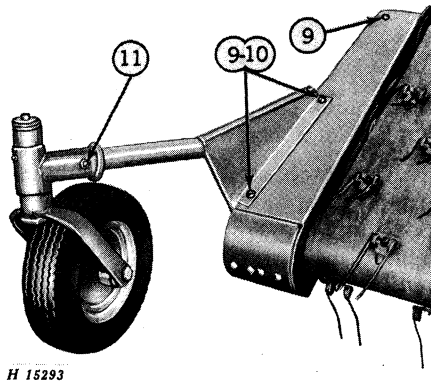
NOTE: On 110-Inch Belt Pickups, the chain drive is on the right-hand side.



H 14393

R. H. Side

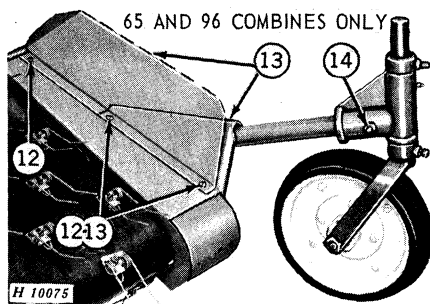
8. Bolt right-hand gauge wheel support arm to belt pickup. When assembling a 110-Inch or 132-Inch Belt Pickup, attach balance spring bracket. (See Step 11 under RUNNER SHOES for installation of spring rod assembly - use second hole from bottom of bracket instead of bottom hole as used with runner shoes.) Adjust tension on pickup belts by threading front lock nut "A" against bracket and locking with rear nut. See page 5 for correct pickup belt tension.



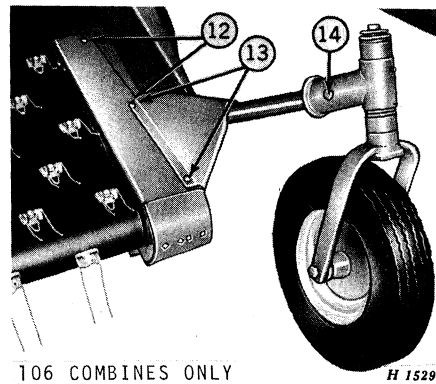
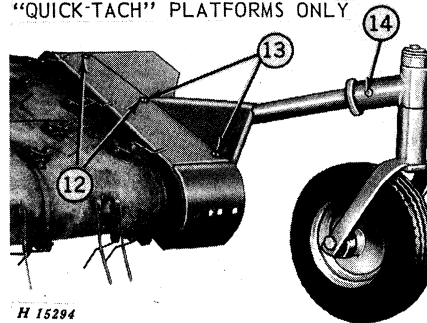
9. On 110-Inch Belt Pickups bolt chain drive shield in position.

10. Attach shield for right-hand support arm.

11. Bolt right-hand gauge wheel assembly to support arm.



"QUICK-TACH" PLATFORMS ONLY



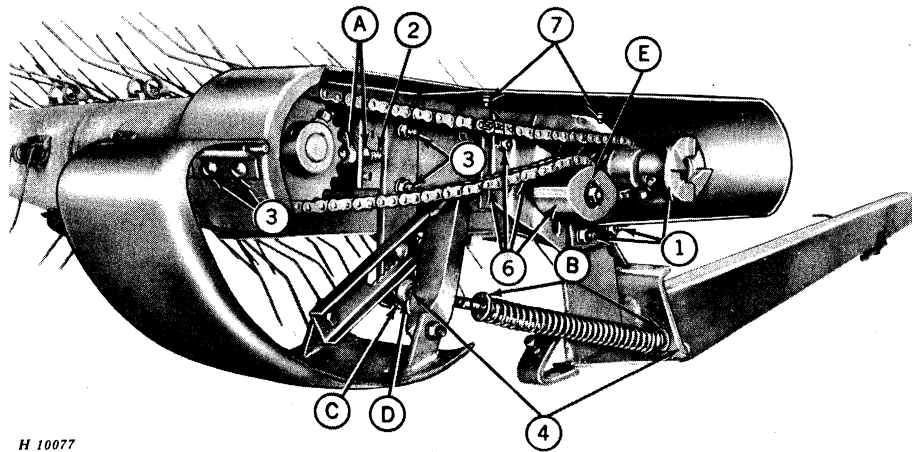
12. Bolt drive shaft shield to left-hand end plate.

13. Attach shield for left-hand support arm.

NOTE: On 65 and 96 Combines, also bolt drive chain shield to belt pickup.

14. Bolt left-hand gauge wheel assembly to support arm.

RUNNER SHOES (Optional)



H 10077

L.H. Side

1. Set belt pickup on sturdy support. Bolt left-hand support arm to bearing housing. On 55, 95, and 105 Combines, attach slip clutch half to shaft with pin and cotter pin.

2. Release tension on pickup belts by loosening the two lock nuts "A" on adjusting bolt.

3. Bolt left-hand adjustable runner shoe to belt pickup.

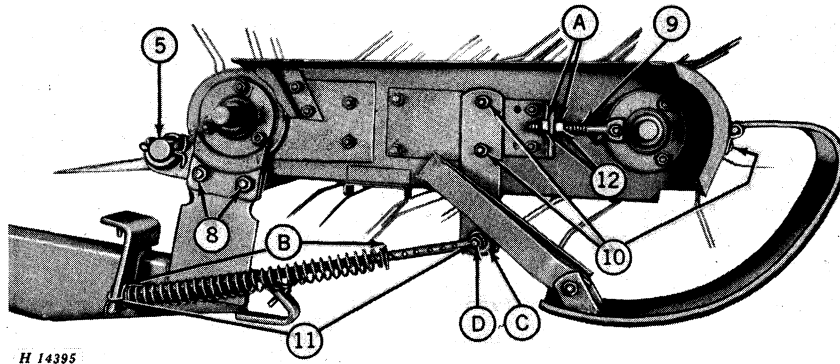
4. Insert spring rod assembly into support arm bracket. Be certain washers "B" are in position shown. Secure rod with spring locking pin. Bolt other end of rod assembly to runner shoe support bracket. Be certain that spacer "C" is installed between eyebolt and plate and that eyebolt trunnion "D" is in place.

5. Attach stripper assembly (see illustration on page 6) being certain to spread cotter pin fully at both ends of bar.

6. Install belt pickup lower roller drive chain and tightener block "E." Adjust tightener block to obtain proper drive chain tension. (See page 7.) Adjust tension on the pickup belts by threading front lock nut "A" against bracket and locking it with rear nut "A." See page 5 for correct pickup belt tension.

7. Bolt drive shaft shield to belt pickup.

NOTE: On 65 and 96 Combines also bolt drive chain shield to belt pickup.



R. H. Side

8. Bolt right-hand support arm to bearing housing.

9. Release tension on pickup belts by loosening the two lock nuts "A" on adjusting bolt.

10. Bolt right-hand adjustable runner shoe to belt pickup.

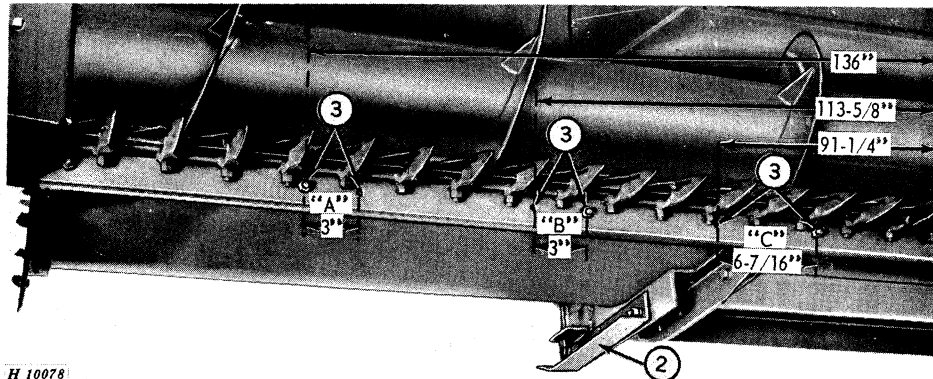
11. Insert spring rod assembly into support arm bracket. Be certain washers "B" are in position shown. Secure rod with spring locking pin. Bolt other end of rod assembly to runner shoe support bracket. Be certain that spacer "C" is installed between eyebolt and plate and that eyebolt trunnion "D" is in place.

Seven holes in the balance spring rod provide adjustment of spring "B" so runner shoe just skims over the ground. Make certain both springs are adjusted evenly.

12. Adjust pickup belt tension by threading front lock nut "A" against bracket and locking it with rear nut "A." See page 5 for correct belt tension.

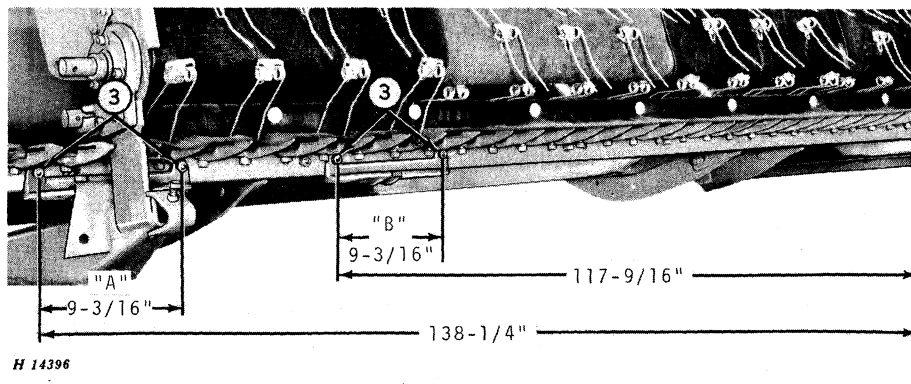
NOTE: On 110-Inch Belt Pickups, the chain drive is on the right-hand side.

INSTALLING BELT PICKUP ON 55, 95, 105, AND 106 COMBINES



H 10078

Mounting Position on 55, 95, and 105 Combines



H 14396

Mounting Position on 106 Combines

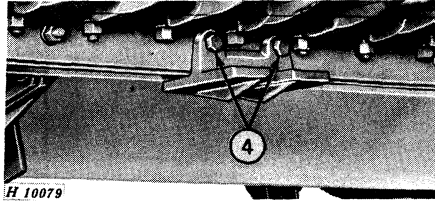
1. (Not illustrated) Remove reel, tightener arm and sheaves, drive sheave, loop dividers, shields, and protective wear plates from the combine cutting platform.

2. (88-Inch Pickup only) Remove right- and left-hand support angles from platform.

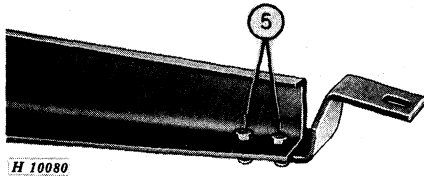
3. Select proper mounting holes for pickup to be installed. Holes "A"

are for 132-inch belt pickup; holes "B" are for 110-inch belt pickup; and holes "C" are for 88-inch belt pickup.

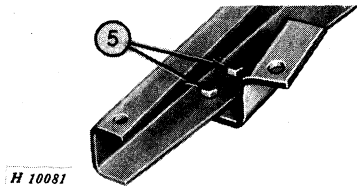
Dimensions shown in the illustrations are between outside hole of left-hand end and outside hole of right-hand end. On 106 Combine, the outside hole of the left-hand end is located 11 inches from the end of the cutter bar.



4. Attach support arm mounting brackets to platform with $3/8 \times 1-1/2$ -inch cap screws, $3/8$ -inch hex. nuts, and $3/8$ -inch lock washers. Be certain bolts are inserted from front to provide clearance for attaching arms to bracket. The 88-Inch Belt Pickup requires a wide bracket on the right-hand side—on other belt pickups the brackets are both the same.



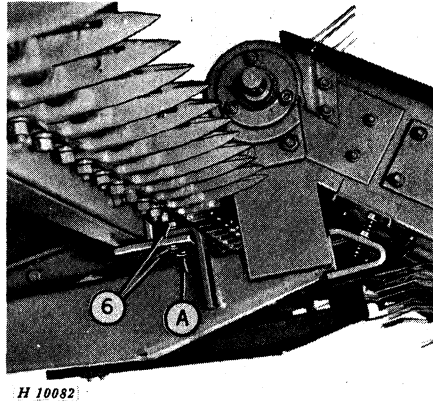
Right-Hand Support Arm Bracket for 88-Inch Belt Pickup



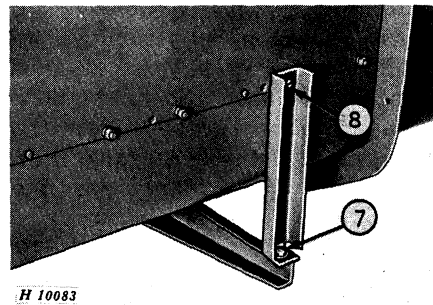
Left-Hand Support Arm Bracket for 88-Inch Belt Pickup

5. (88-Inch Belt Pickup only) Attach rear support arm brackets to support arms.

6. Using aligning pin "A" as guide in slot of mounting bracket, slide pickup into position and attach support arms to mounting brackets with $3/8 \times 1-1/2$ -inch carriage bolts, $3/8$ -inch hex. nuts, and $3/8$ -inch lock



washers. Be certain carriage bolts are inserted from underside of mounting brackets.



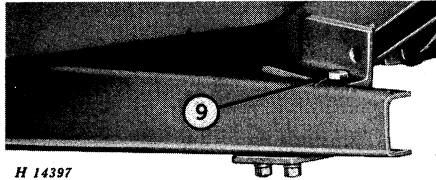
Right-Hand Support Bracket for 110-Inch Belt Pickup

7. (110-Inch and 132-Inch Belt Pickups only) Attach rear support arm brackets to support arms. It may be necessary to loosen front mounting bolts to get rear brackets perpendicular.

8. (110-Inch and 132-Inch Belt Pickups only) When mounting on a 12-foot or 14-foot platform, remove platform bolt nearest the top hole in support bracket and attach bracket to platform with hardware provided. When mounting on a 13-foot, 16-foot, 19-foot, or 20-foot platform, locate

18 Assembly and Installation

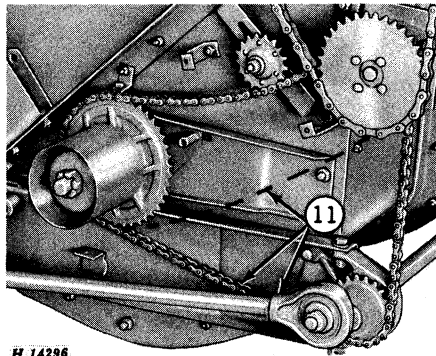
top hole in support bracket over pilot hole in platform and drill a 13/32-inch hole through both back sheet and stripper for each bracket. Bolt brackets to platform.



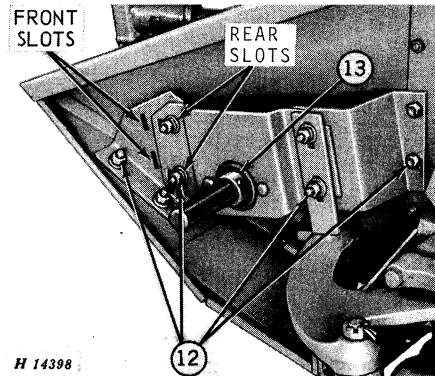
Left-Hand Bracket for 88-Inch Belt Pickup

9. (88-Inch Belt Pickup only) Bolt support arm brackets to platform as shown below.

10. (55, 95, and 105 Combine with Cutting Platform only) Remove pitman, replace crank with a 20-tooth sprocket furnished with the belt pickup and install chain (see illustration on page 20). Using bell crank, move knife to the right as far as possible.

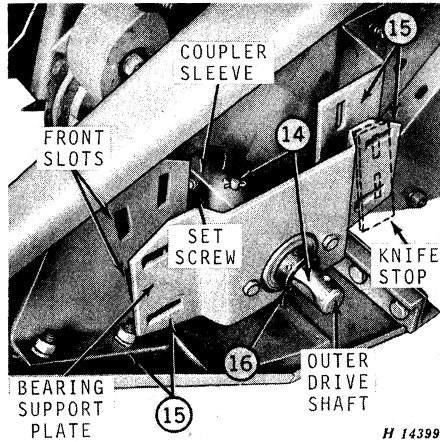


11. (106 Combine with Cutting Platform only) Remove links from pitman drive chain to bypass pitman drive. Using pitman, move knife to the right as far as possible.



12. (55, 95, and 105 Combine only) Attach bearing support plate, support plate brackets, and knife stop plate. Note: On 55 Combines, Serial No. 55-78001 and up, 95 Combines, Serial No. 95-29001 and up, and 105 Combines, Serial No. 105-7001 and up, make certain that front of bearing support plate is attached to rear slots in support plate bracket. On combines prior to the preceding serial numbers, attach bearing support to front slots.

13. (55, 95, and 105 Combine only) Insert drive shaft through bearing support plate and against end of shaft in backup clutch jaw on belt pickup. Secure locking collar next to bearing plate.



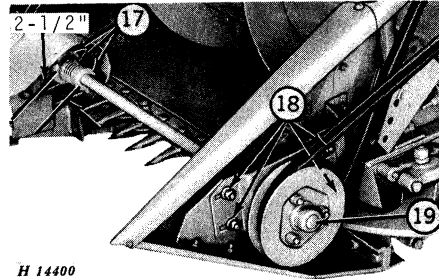
14. (106 Combine only) Place a 1/4 x 7/8-inch key on outer drive shaft and slide coupler sleeve on shaft. Secure sleeve to outer shaft, using a drilled pin and cotter pin.

Place a 1/4 x 7/8-inch key on inner drive shaft and slide open end of sleeve on shaft. Secure sleeve to inner shaft, using a set screw.

15. (106 Combine only) Attach bearing support plate, support plate brackets, and knife stop plate. Attach front of bearing support plate to front slots in support plate bracket.

NOTE: Be certain all binding is relieved between coupler sleeve and outer drive shaft. Raise pickup off the ground allowing pickup to rest on pickup support arms as shown on page 17 before tightening bolts on bearing support plate.

16. (106 Combine only) Slide locking collar on outer drive shaft and secure next to bearing support plate.



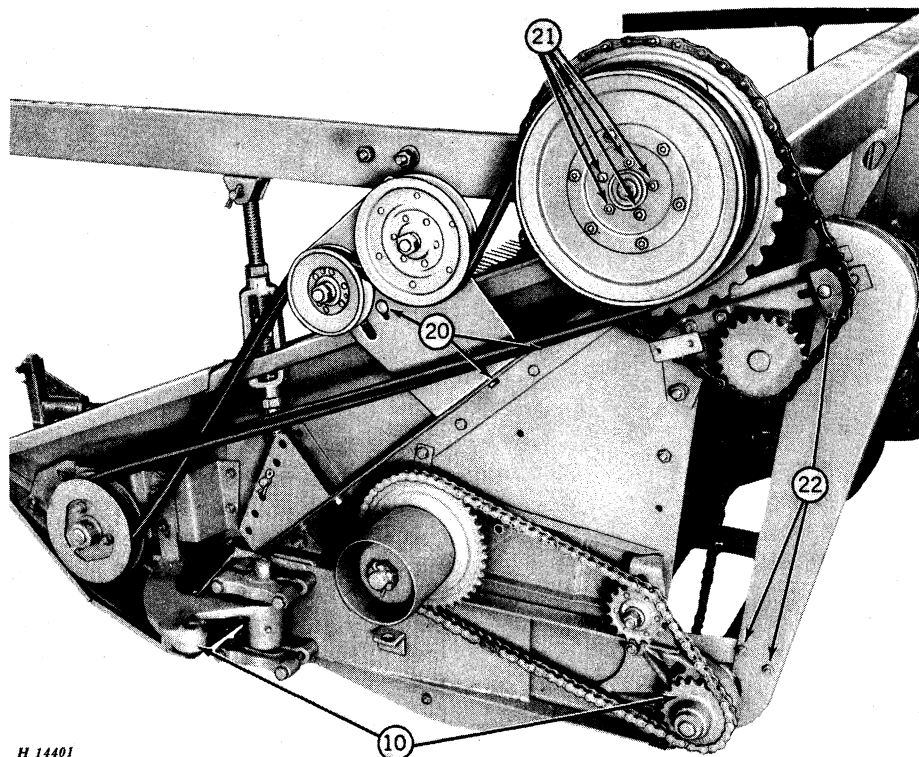
17. (55, 95, and 105 Combine only) Assemble locking collar, spring, and outer half of backup clutch as shown. With spring compressed to approximately 2-1/2 inches between face of outer half of backup clutch and collar, tighten set screw in locking collar.

18. (55, 95, and 105 Combine only) Align drive shaft to provide a full mesh between clutch jaws. If bearing plate is adjusted upward be certain to drop knife stop plate to hold knife in place.

NOTE: Bearing housing may be adjusted both vertically and horizontally to provide proper alignment.

19. Place drive belt over adjustable sheave and install sheave on drive shaft, using Woodruff key and spring pin.

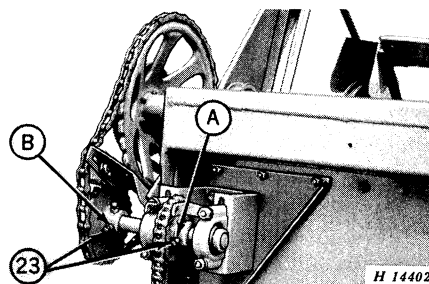
20 Assembly and Installation



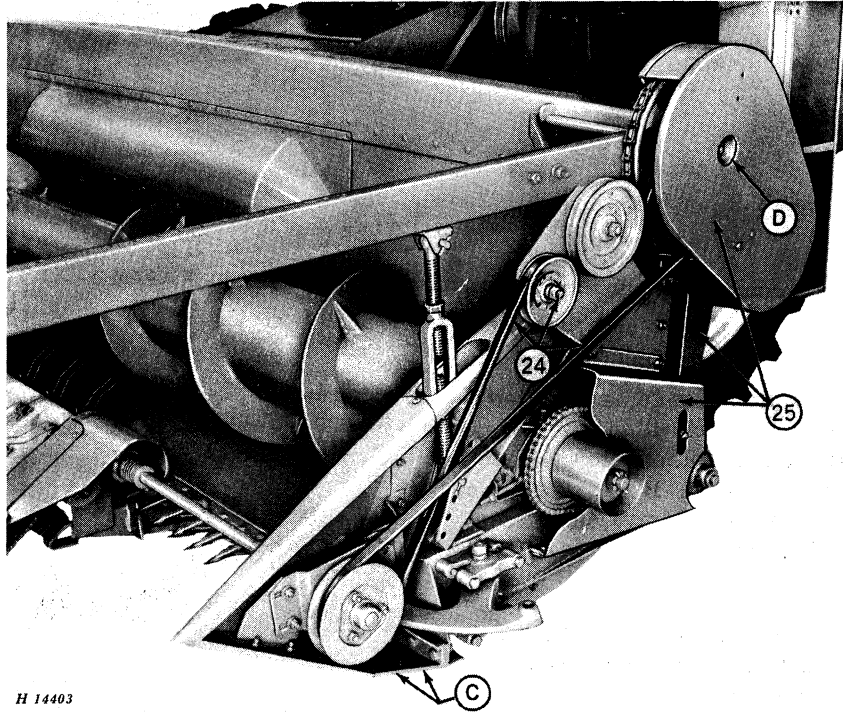
20. Install idler and tightener sheave bracket with sheaves.

21. Bolt drive sheave to drive sprocket. Be certain carriage bolt heads are to inside.

22. (55, 95, and 105 Combine only)
Remove drive chain shield.



23. (55, 95, and 105 Combine only)
Select desired speed from chart on page 8 and install sprockets "A" and "B" as required.



24. Install drive belt and adjust tightener. See page 7 for proper belt tension. Be certain to twist belt as shown to obtain proper alignment of drive. Adjust runner shoe at points "C" if necessary to align sheaves.

25. Replace shields. Be certain to place washer "D" under head of bolt as shown.

IMPORTANT

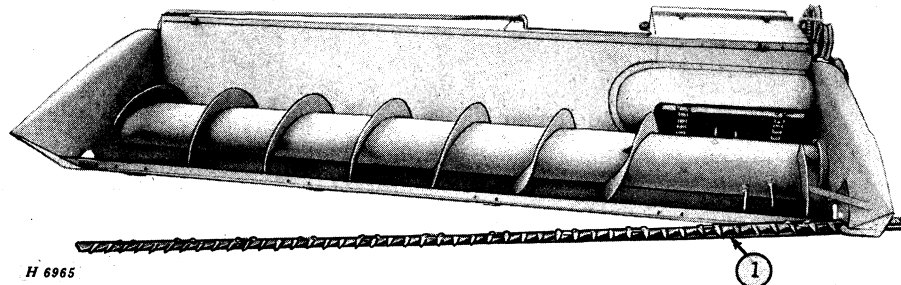
After belt pickup has been assembled and installed, lubricate all grease fittings thoroughly. If clogged with paint, remove paint with a safe solvent or scrape paint off.

Be certain to read carefully the operating instructions on page 2.

On 55, 95 and 105 Combines, the belt pickup need not be removed when platform is disconnected from feeder house. If combine is equipped with a 110-inch or 132-inch belt pickup, rest platform on the regular support angles under the platform. If equipped with an 88-inch pickup, place a 2 x 4 under the support arms.

22 Assembly and Installation

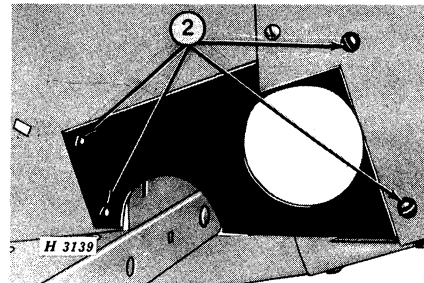
INSTALLING BELT PICKUP ON 65 AND 96 COMBINES



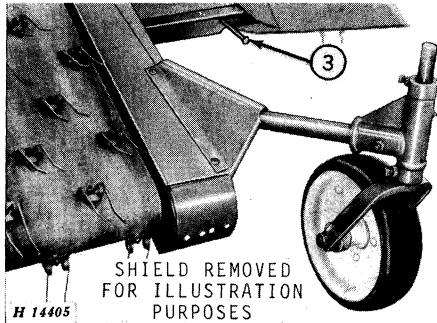
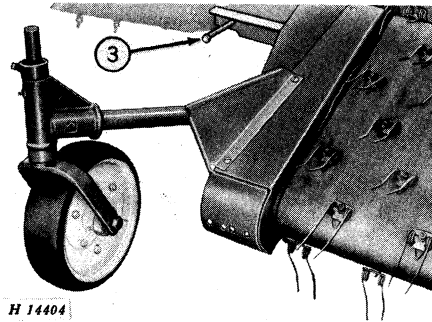
If belt pickup is to be installed on a cutting platform it will be necessary to remove the following parts from the platform: Reel drive chain, reel countershaft drive chain, reel, and knife drive arm on oscillating shaft.

1. Remove plate on left-hand divider, and then remove the complete cutter bar.

NOTE: When removing cutter bar, move it to the left until right-hand end is free of right-hand divider, then lower it and pull out from under right-hand divider.



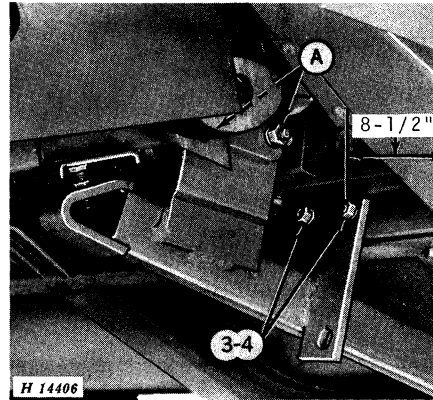
2. Install plate on left-hand divider.



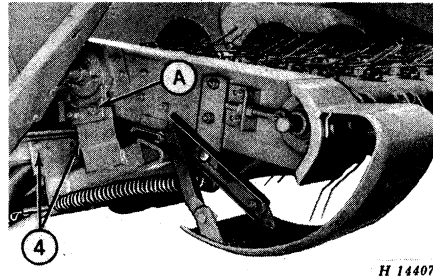
3. Temporarily attach belt pickup support angle to platform with two drifts, making certain the belt pickup mounting plow bolts are in correct position in support angle.

The outside bolt for the left-hand pickup support arm should be located 8-1/2 inches from left-hand end of pickup support angle.

Secure support angle to platform.



L. H. Side

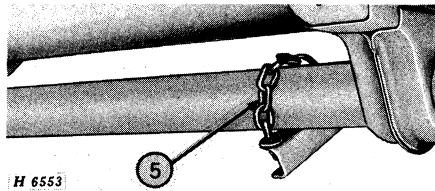


R. H. Side

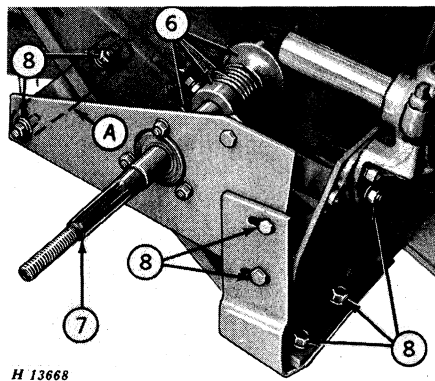
4. Attach belt pickup to support angle.

NOTE: When securing belt pickup to support arms, put nuts on bolts loosely, then loosen locking collars (one on each end) on upper roller shaft. Tighten bolts "A" securing belt pickup to support arms, then tighten locking collars.

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5. Secure rear end of belt pick-up supports to platform torsion pipe with chain locks.

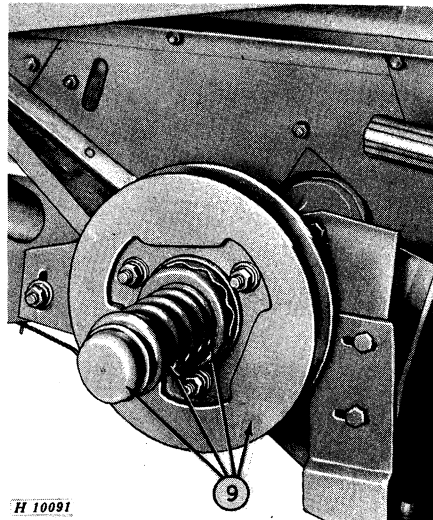


6. Slide two collars, spring, and left-hand half of backup clutch onto belt pickup drive shaft so that clutch half is over key on drive shaft.

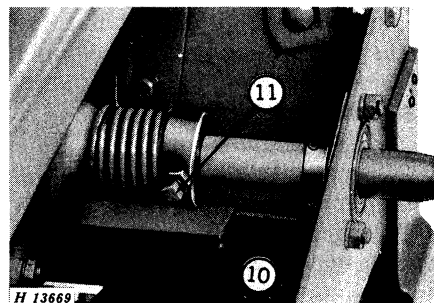
7. Insert shaft through hole in left-hand divider end sheet and into right-hand half of backup clutch.

8. Bolt belt pickup drive shaft bearing support plate and support plate brackets to left-hand end of platform main sill and divider point. Front bracket must have leg "A" down.

Adjust bearing plate to align drive shaft.

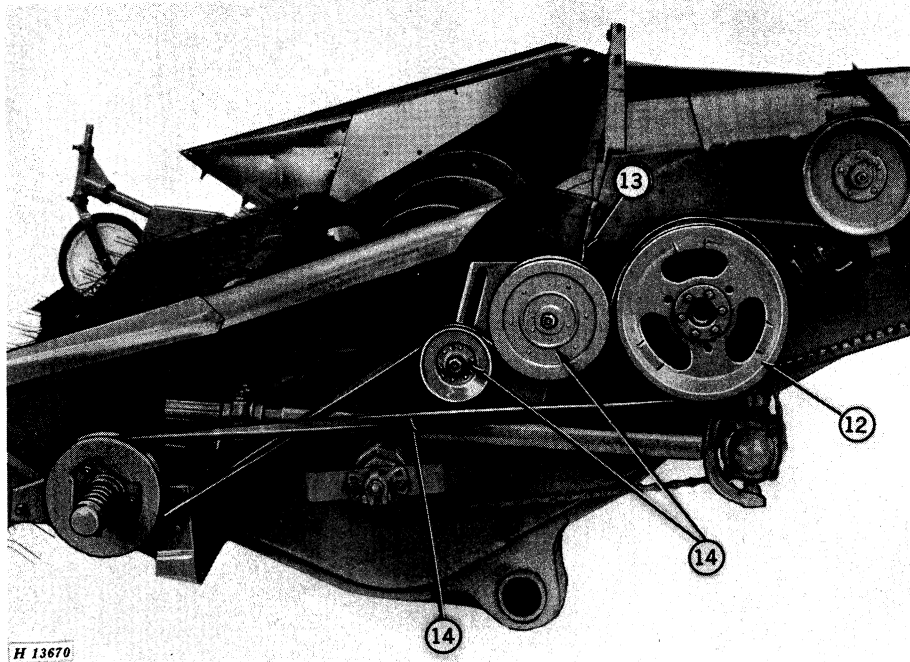


9. Slide driven sheave, slip clutch half, spring and cap onto drive shaft. Tighten slotted nut so slip clutch will run without slipping, but not so tight that clutch will not slip. (See page 6.)



10. Check to see that backup clutch jaws are properly meshed, then tighten set screw in outer collar for drive shaft bearing.

11. Adjust tension of spring against backup clutch and set locking collar. (See page 6.)



12. Bolt spacer and drive sheave to countershaft with hardware provided.

13. Secure tightener sheave bracket assembly to platform.

14. Install drive belt, making certain to twist belt as shown. Adjust tightener sheaves to proper belt tension as described on page 7.

IMPORTANT

After belt pickup has been assembled and installed, lubricate all grease fittings thoroughly. Clean grease fittings if clogged with paint. Remove paint with a safe solvent or, in extreme cases, paint must be scraped off.

Be sure to read carefully the operating instructions on page 2.

