

JOHN DEERE 88-, 110-, AND 132-INCH THREE-ROLLER BELT PICKUPS



JOHN DEERE

OPERATORS MANUAL JOHN DEERE 88-, 110-, AND 132-INCH THREE-ROLLER BELT PICKUPS

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ENGLISH





To the Purchaser

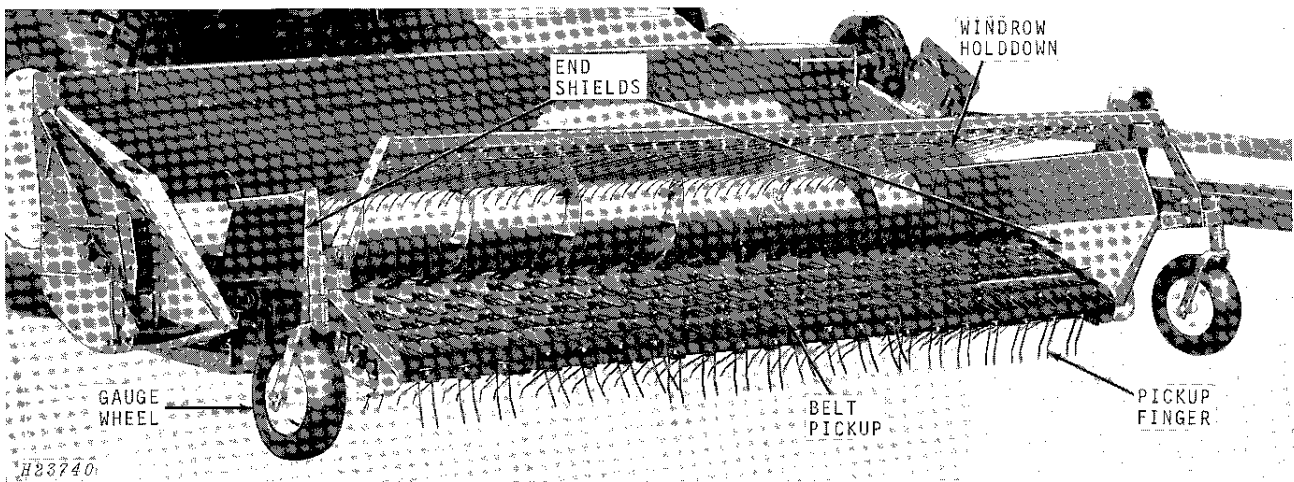
This new belt pickup was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication, or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

Record the date of purchase in the space provided on page 33. 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 you purchased the belt pickup.





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Operation

PICKUP SPEED

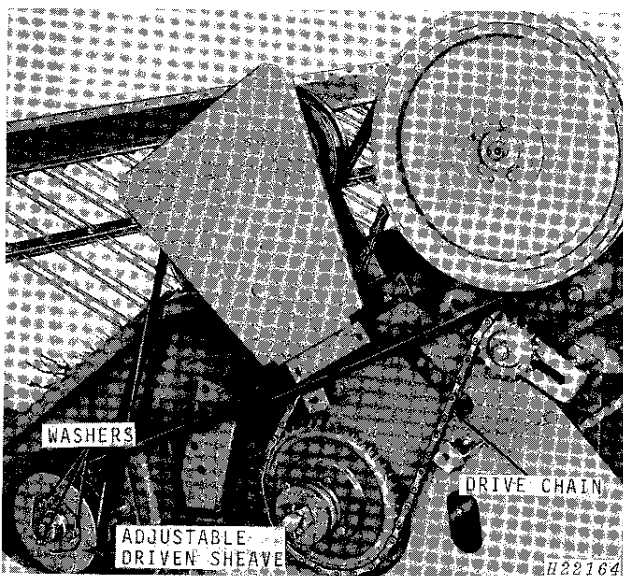
Successful operation depends largely upon the speed and pitch of the belt pickup.

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.

Mechanical Drive

Speeds within the range of 387 to 490 rpm on 6601 Combines and 348 to 440 rpm on 3300, 4400, 6600, and 7700 Combines are obtained by changing location of the washers on the adjustable driven sheave.



6601 Combine Illustrated

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

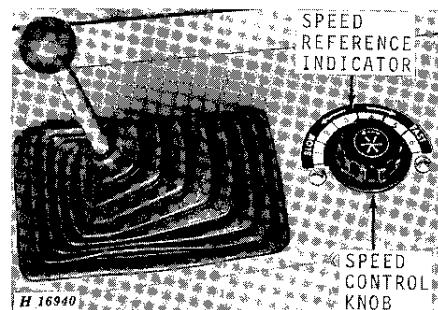
To increase speed, add these washers between the sheave halves.

One set of washers alters the speed approximately 23 rpm.

Hydrostatic Drive

The hydrostatic belt pickup drive attachment on 3300, 4400, 6600, and 7700 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 the speed, turn the knob toward FAST. To decrease the speed, turn the knob toward SLOW.

Use the reference indicator as a guide to return to the belt pickup speed that was previously found best for a particular crop or field condition.

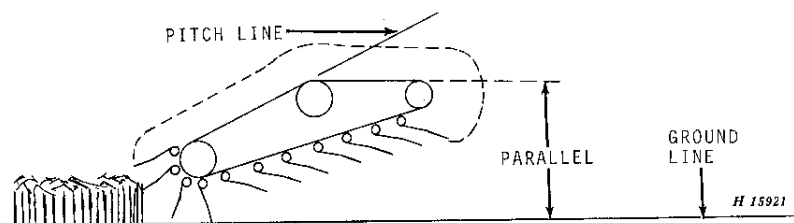
PICKUP PITCH

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 accommodate 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 4).

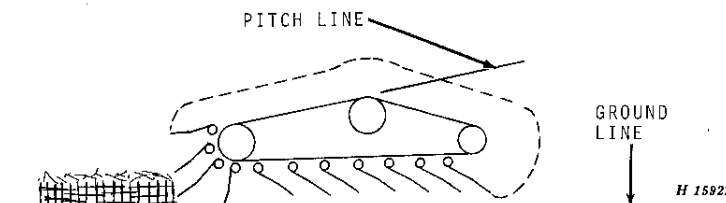
Normal Windrow Condition



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.

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



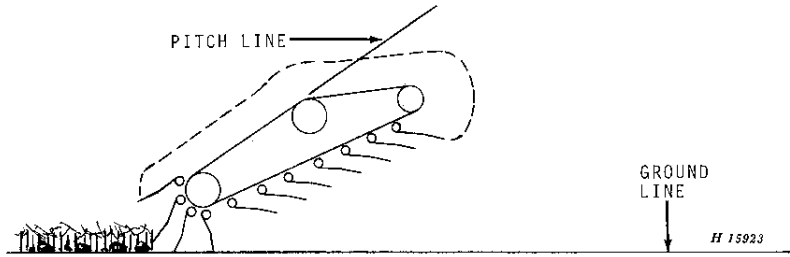
If the windrow is embedded in the stubble, if the stubble is short, or if the windrow is lying on the ground, decrease the pitch of the pickup. This position will allow more fingers to come closer to the ground, providing a better combing action.

When the pitch is decreased, the pickup fingers may pick up dirt. To eliminate this condition, lower the gauge wheels 1/2 inch at a time until the fingers no longer dig into the ground. (See Adjusting Gauge Wheels, page 4).

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.

4 Operation

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 trap 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 (page 5) and reduce the speed of the belt pickup (page 2).

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.

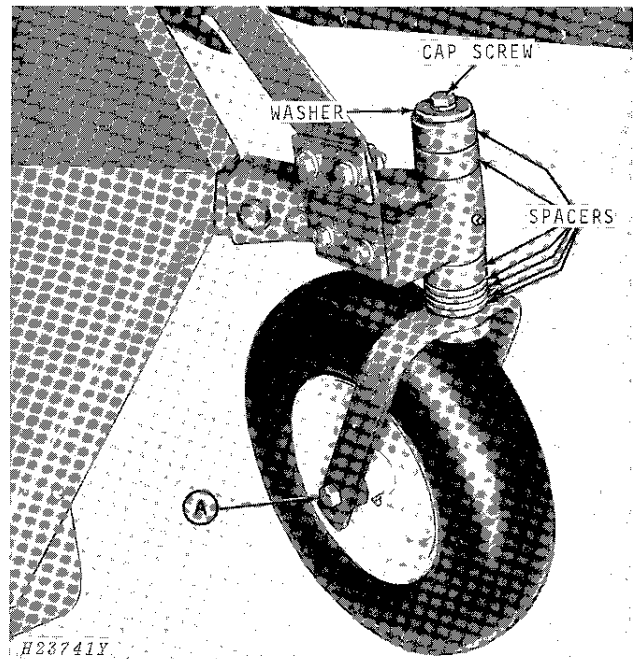
The distance between pickup fingers and the ground is regulated by adjusting the gauge wheels up or down. If fingers are digging into the ground, lower the gauge wheels. If fingers are not low enough to gather all the grain, raise the gauge wheels.

Adjusting Gauge Wheels

To adjust the gauge wheel, first remove the cap screw and washer.

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

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

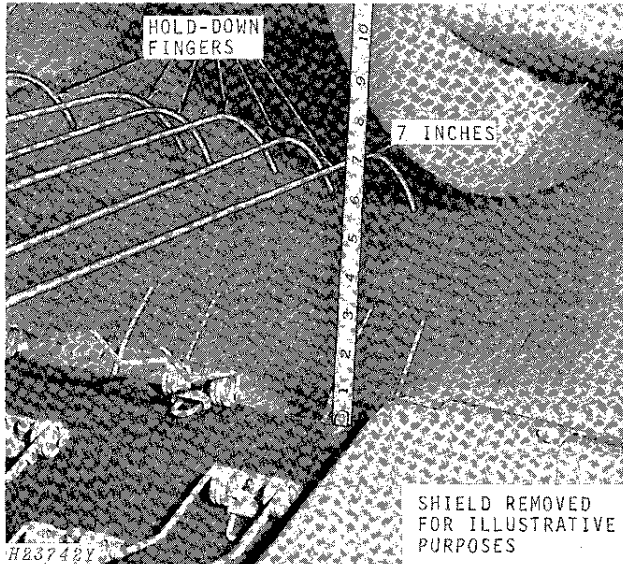


After adjusting gauge wheel, replace washer and cap screw.

Always keep wheel assembly in upper hole "A".

ADJUSTING WINDROW HOLD-DOWN

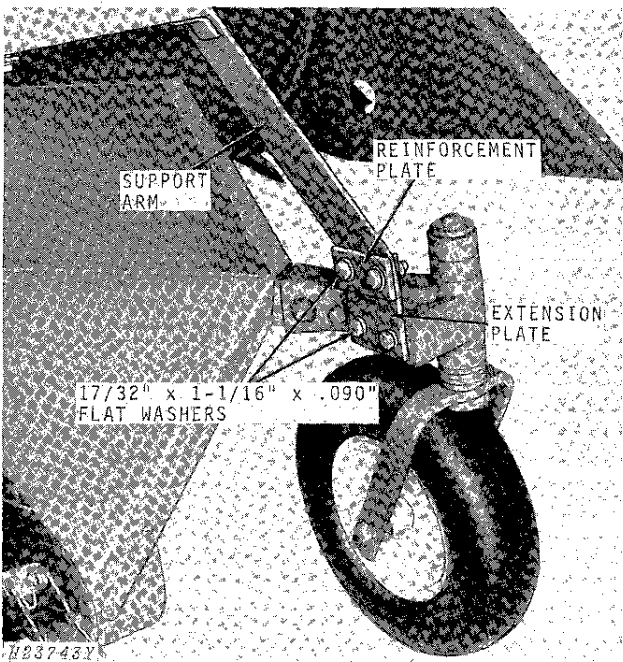
The windrow hold-down eliminates bunching and overriding by deflecting the windrow downward into the platform auger.



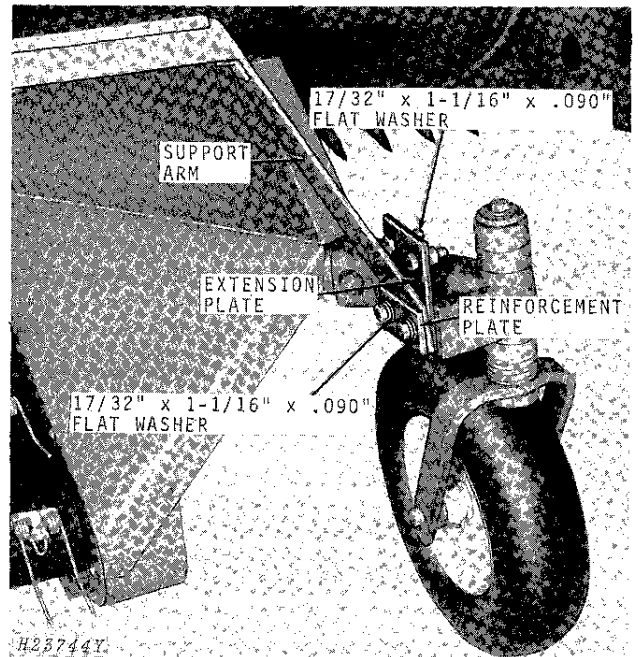
The hold-down must be adjusted so the fingers are 7 inches from the roller as shown. This is important to assure proper feeding under the platform auger.

To adjust hold-down, loosen the upper cap screws and lift or push down on fingers until the desired height is obtained. Tighten cap screws after adjusting.

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



High Position



Low Position

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 for safe keeping. The 1/2 x 1-3/4-inch cap screws are always used when the reinforcement plate, support arm and the extension plate are bolted together.

Check to be sure there is still a 7-inch dimension from hold-down fingers to roller. Readjust if necessary.

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.



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, shirts, or sleeves should never be worn because of the danger of getting into moving parts.

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

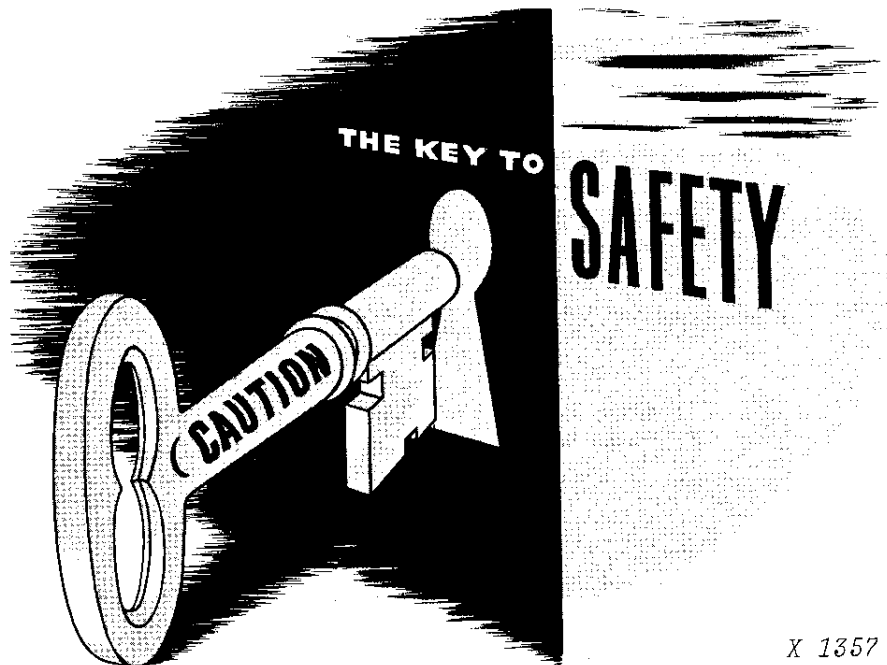
Always disengage drive and shut off the tractor or combine engine before working on belt pickup.

Replace badly frayed or worn belts before they break.

Be certain 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 tractor or combine engine is shut off.





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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.

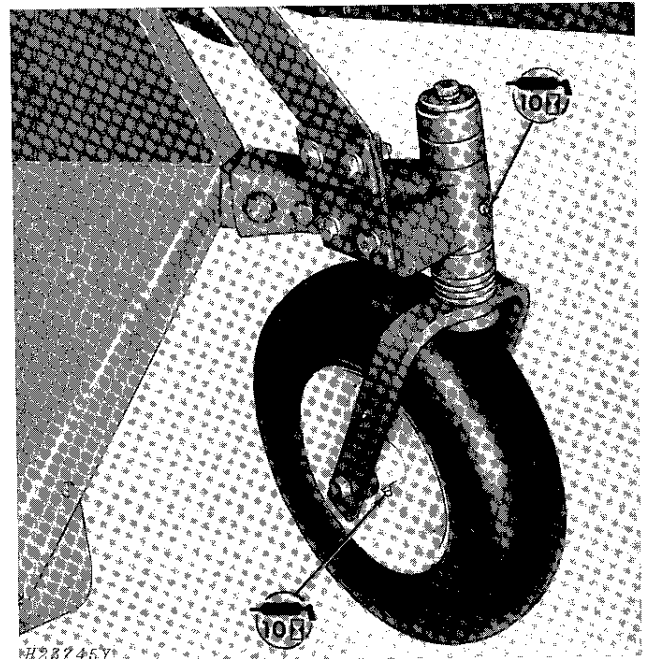
KEEP LUBRICANTS CLEAN

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

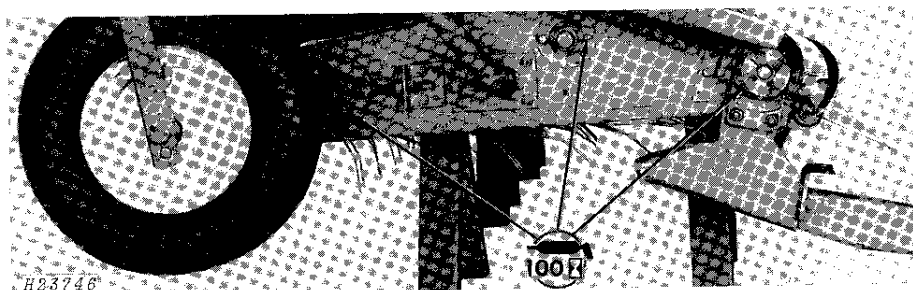
LUBRICATING CHAINS

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

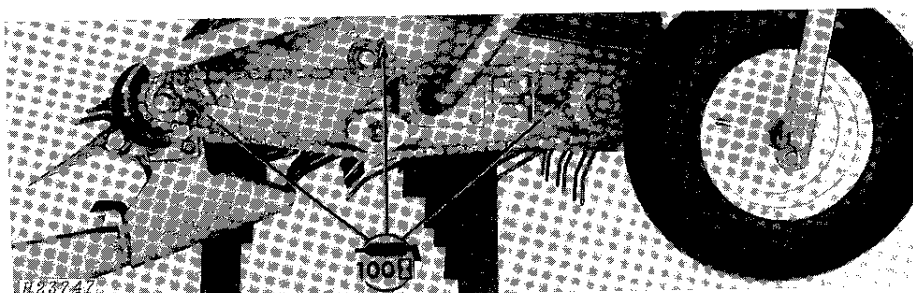
NOTE: Genuine John Deere Chain Lube in an aerosol can (part number PT508) may be obtained from your John Deere dealer. This is an ideal lubricant for roller drive chains.



Lubricating Gauge Wheels



Lubricating Bearings, Left-Hand Side



Lubricating Bearings, Right-Hand Side

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