96
COMBINE

JOHN DEERE

OPERATORS MANUAL

96
COMBINE

OMH63963 G6 English

JOHN DEERE HARVESTER WORKS
OMH63963 G6

LITHO IN THE U.S.A.
ENGLISH

TO THE PURCHASER

The combine you have purchased has been carefully designed and manufactured to provide years of dependable, economical service.

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

KEEP YOUR COMBINE A JOHN DEERE COMBINE

Genuine John Deere Parts fit properly and insure satisfactory service because they are made from the original patterns and from the same material as used in new machines. Should your combine require replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts—accept no substitutes.

ATTACHMENTS

In addition to the equipment furnished with your combine, there are attachments available to help you do a better job in a special crop or condition. These attachments, illustrated and described in the attachment section, are available from your John Deere dealer.

LOCATION REFERENCE

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

SERIAL NUMBERS

Your combine and platform have serial numbers.

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

The combine serial number is on a plate located on the right-hand side of the separator just above the rear ladder.

The platform serial number is on a plate located on the outside of the right-hand platform divider.

Record these Serial Numbers in the space provided below.

Combine serial no. _____

Platform serial no. _____

Date Purchased _____

CONTENTS

SUPPLEMENT TO OPERATOR'S MANUALS
(OM-H63137, OM-H63962, OM-H63963)

IMPORTANT: Use the following instructions for the unloading auger end play adjustment in place of those given in the following Combine Operator's Manuals:

45 Combine OM-H63137 - Page 55

55-95-105 Combine OM-H63962 - Page 65

96 Combine OM-H63963 - Page 44

AUGER END PLAY ADJUSTMENT

Swing unloading auger into transport position.

Remove cap screw, lock washer, thick washer, and all thin washers "A" from outer end of shaft. Slide auger out of bearing housing just far enough to remove all but four of the thin washers at "B". Slide auger back into bearing housing and replace thick washer, cap screw, and lock washer on outer end of shaft.

Swing auger into operating position.

Remove cap screw, lock washer, and thick washer. Tap outer end of auger with a lead hammer to be certain auger is fully engaged. Place thin washers "A" on shaft until they are even with end of shaft. When replacing the thick washer, lock washer, and cap screw, install two additional thin washers. Tighten cap screw.

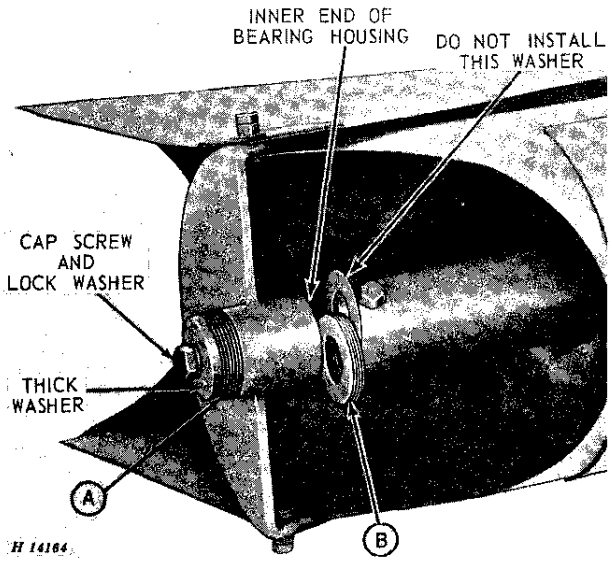
Determine the number of additional thin washers necessary to fill the gap at inner end of bearing housing.

Swing auger into transport position.

Again remove cap screw, lock washer, thick washer, and all thin washers "A" from outer end of shaft. Slide auger out of bearing housing just far enough to install the determined number of thin washers "B", less one.

Slide auger back into bearing housing and replace all washers "A", thick washer, lock washer, and tighten cap screw to 30-35 ft-lbs torque.

Swing auger into operating position.



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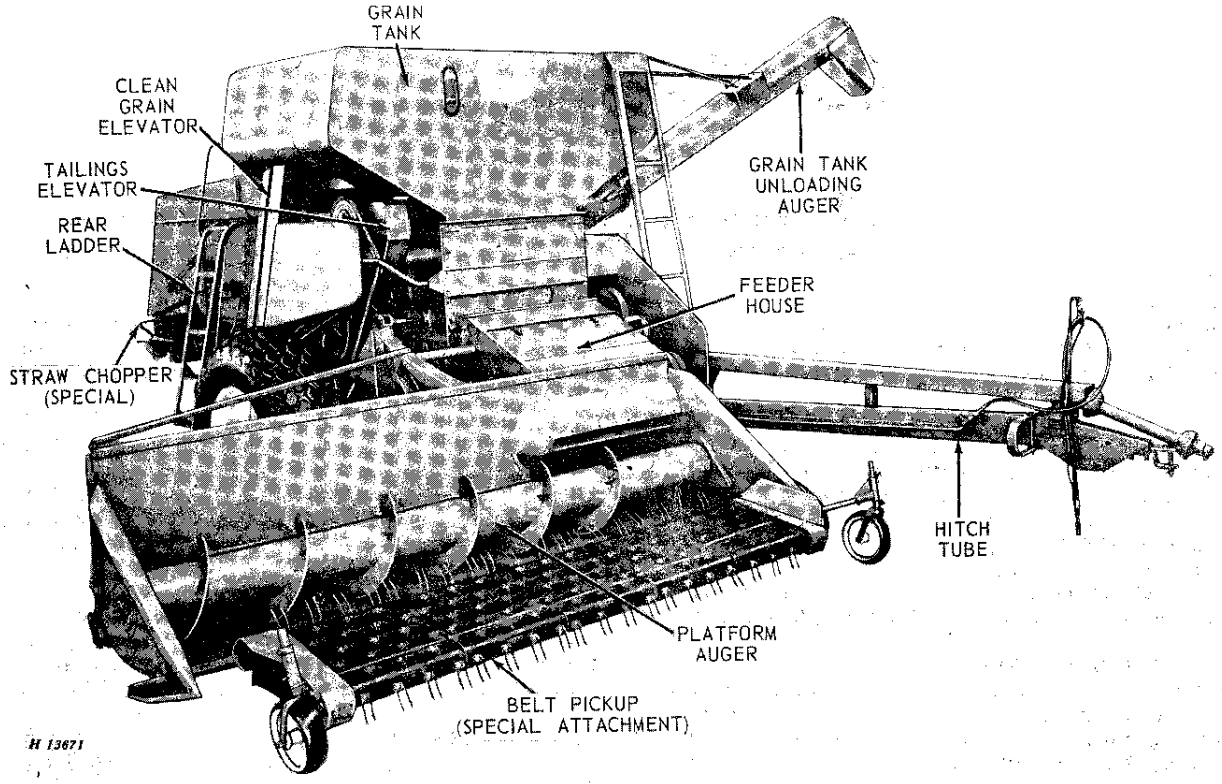
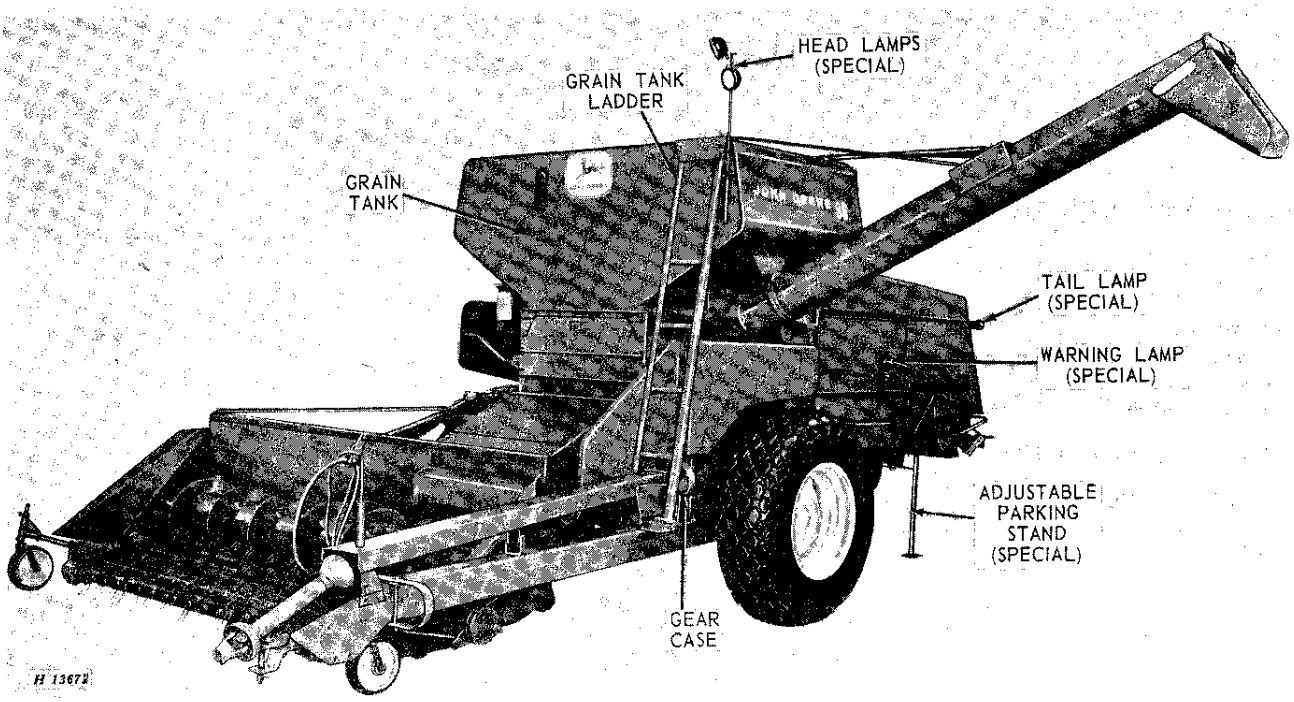
JOHN DEERE HARVESTER WORKS
Of Deere and Company
EAST MOLINE, ILLINOIS


GRAIN TANK
CLEAN GRAIN ELEVATOR
TAILINGS ELEVATOR
REAR LADDER
STRAW CHOPPER (SPECIAL)
GRAIN TANK UNLOADING AUGER
FEEDER HOUSE
HITCH TUBE
PLATFORM AUGER
BELT PICKUP (SPECIAL ATTACHMENT)
H 13671


HEAD LAMPS (SPECIAL)
GRAIN TANK LADDER
GRAIN TANK
TAIL LAMP (SPECIAL)
WARNING LAMP (SPECIAL)
ADJUSTABLE PARKING STAND (SPECIAL)
GEAR CASE
H 13672

SPECIFICATIONS

NOTE: The 96 Combine platform is available as a pickup platform, with additional parts available to convert to a cutting platform when desired.

CUTTER BAR
- Width of cut . . . . . 12 ft.
- Length of cutter bar . . . 6 inches less than width of cut
- Type of knife sections . . . . . Heavy-duty overserrated

REEL
- Drive . . . . . Chain
- Number of slats . . . . . 4 regular; 3, 6, or 8 special
- Speed range . . . . . 28.6 rpm to 36.8 rpm

CUTTING PLATFORM
- Type of feed . . . . . Auger
- Range of cutting height . . . . . 2 in. to 30 in.
- Height control . . . . . Hydraulic (2 cylinders)

CUTTING PLATFORM AUGER
- Diameter . . . . . 20 in.
- Diameter of auger tube . . . . . 10 in.
- Type of auger fingers . . . . . Round retracting
- Belt pickup platform width . . . . . 12 ft.

CYLINDER
- Type . . . . . Rasp bar
- Width . . . . . 40 in.
- Diameter . . . . . 22 in.
- Number of bars . . . . . 8 rasp bars
- Drive . . . . . Roller chain
- Speed range . . . . . 277 rpm to 1190 rpm

CONCAVE
- Type . . . . . 12 bar open-type
- Width . . . . . 40 in.

BEATER (Behind the cylinder)
- Type . . . . . Drum
- Width . . . . . 40 in.
- Speed . . . . . 680 rpm

SEPARATOR
- Type . . . . . Grain conveyor, straw walker
- Width . . . . . 40 in.
- Length of separating surface . . . 140 in. (straw walker pans extended)
- Area of separating surface . . . . . 5600 sq. in.

GRAIN CONVEYOR
- Type . . . . . Slat
- Drive . . . . . Chain

CLEANING FAN
- Type . . . . . 5-bladed undershot
- Drive . . . . . V-belt
- Speed range . . . . . 602 rpm to 858 rpm

CHAFFER
- Type . . . . . Adjustable, no. 2 no choke or Petersen adjustable
- Width . . . . . 38-1/2 in.
- Length with extension . . . . . 60-3/4 in.
- Area . . . . . 2337 sq. in.

SIEVE
- Type . . . . . Adjustable
- Width . . . . . 38-1/2 in.
- Length . . . . . 45 in.
- Area . . . . . 1734 sq. in.

CHAFFER EXTENSION
- Type . . . . . Adjustable
- Width . . . . . 38-1/2 in.
- Length . . . . . 12 in.
- Area . . . . . 462 sq. in.

TOTAL CLEANING AREA OF CHAFFER, SIEVE, AND CHAFFER EXTENSION . . . . . 4071 sq. in.

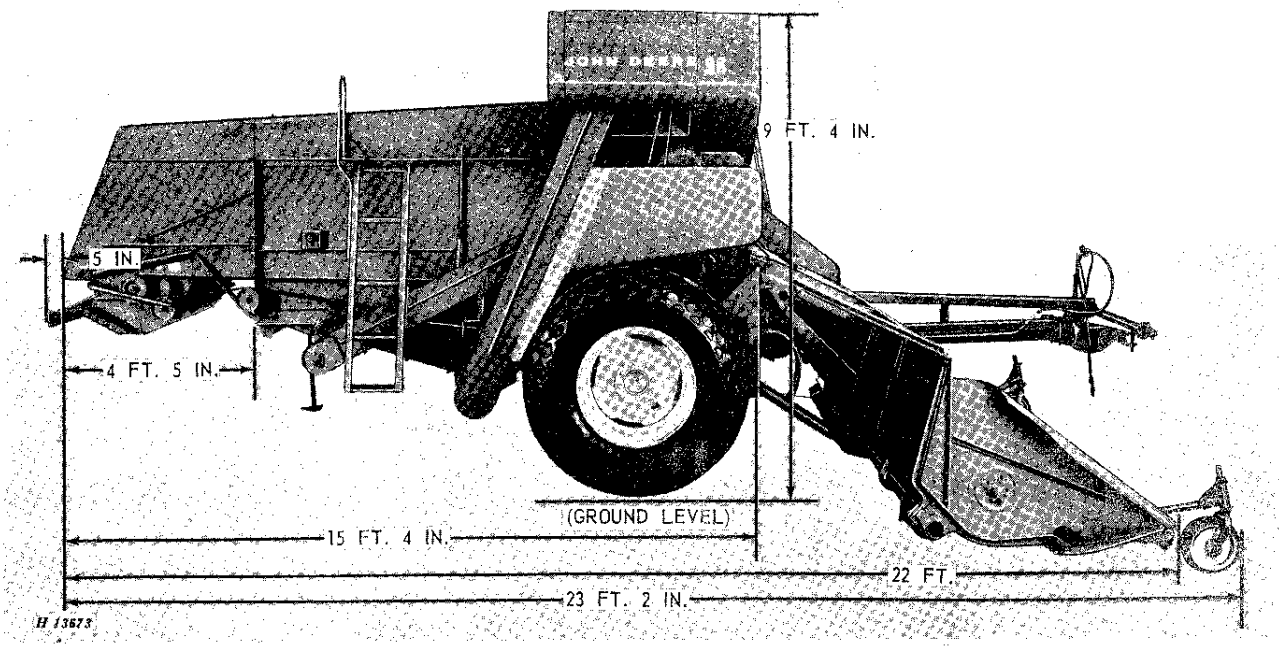
STRAW WALKERS
- Number . . . . . Four
- Width . . . . . 9-1/2 in.
- Length with pans extended . . . . . 123 in.
- Area . . . . . 4920 sq. in.
- Number of steps . . . . . Five
- Drive . . . . . V-belt
- Bearings . . . . . Oil soaked maple
- Extension pans . . . . . One on each walker

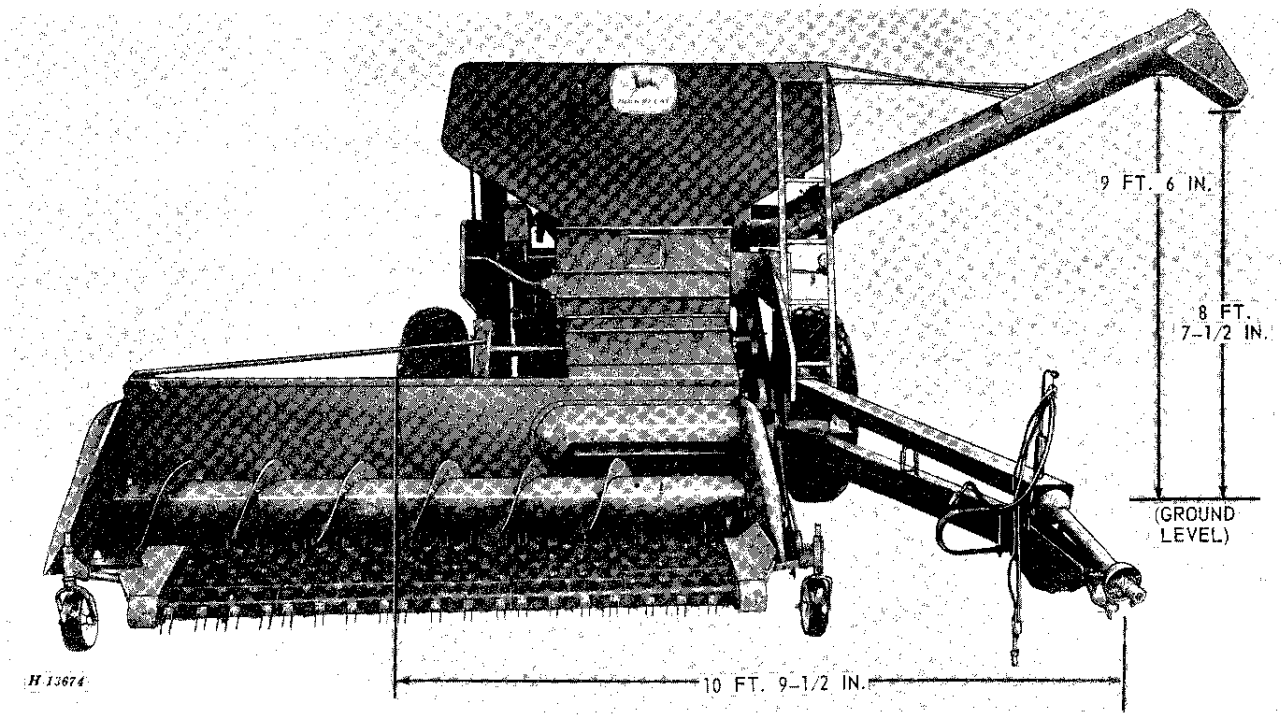
GRAIN TANK
- Capacity . . . . . 80 bushel

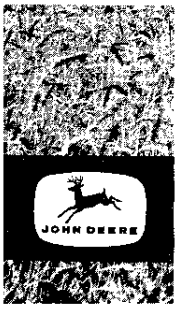
WEIGHTS
- Combine with 12-ft. pickup platform . . . . . 7100 lbs. (approx.)

COMBINE DIMENSIONS
- Shipping length . . . . . 23 ft.
- Shipping width . . . . . 10 ft. 9-1/2 in.
- For other dimensions . . . . . See page 4.

(Specifications and design are subject to change without notice.)


9 FT. 4 IN.
5 IN.
4 FT. 5 IN.
(GROUND LEVEL)
15 FT. 4 IN.
22 FT.
23 FT. 2 IN.
H 13673

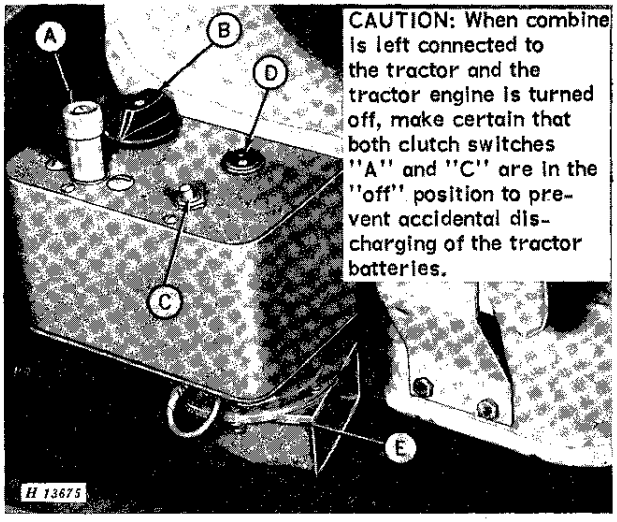

9 FT. 6 IN.
8 FT.
7-1/2 IN.
(GROUND
LEVEL)
10 FT. 9-1/2 IN.
H 13674



CONTROLS AND INSTRUMENTS

Before attempting to operate your new combine, become familiar with the location and purpose of its controls and instruments. Study these pages carefully, regardless of your previous combine experience.

SWITCH BOX



CAUTION: When combine is left connected to the tractor and the tractor engine is turned off, make certain that both clutch switches "A" and "C" are in the "off" position to prevent accidental discharging of the tractor batteries.

A Platform Throw-Out Switch
B Light Switch
C Grain Tank Unloading Auger Switch
D Warning Light
E Straw Walker Plugging Warning Horn

PLATFORM THROW-OUT SWITCH

This switch operates the electromagnetic throw-out clutch which permits stopping the platform and feeder while the separator continues to run.

Push switch down to disengage clutch. When trouble has been taken care of, push switch down again to engage clutch.

LIGHT SWITCH (Special Attachment)

The three positions on the light switch are:

Vertical - All lamps off

First Stop - Headlamps on

Second Stop - Taillamp and warning lamp on

GRAIN TANK UNLOADING AUGER SWITCH

This switch operates the electromagnetic clutch on the unloading auger drive. By turning the switch to the "ON" position, the grain tank can be unloaded from the tractor seat.

WARNING LIGHT

When the grain tank unloading auger switch is in operating position, the warning light flashes red.

STRAW WALKER PLUGGING WARNING HORN (Special Attachment)

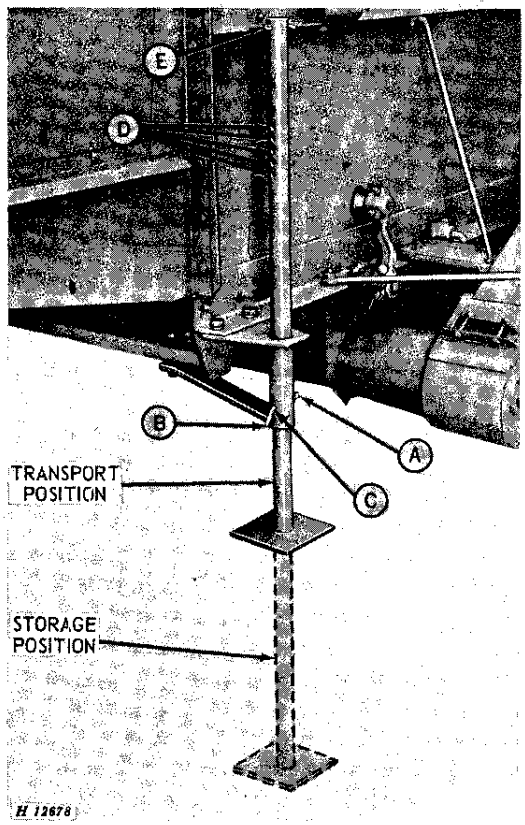
A sensing unit located in the separator sounds the warning horn when the straw walkers are plugged.

PLATFORM HEIGHT CONTROL

Raise and lower the cutting platform with the remote cylinder operating lever on the tractor. When lever is pulled rearward, platform should rise.

ADJUSTABLE PARKING STAND

(SPECIAL ATTACHMENT)



When the combine is removed from the tractor for parking or storage, remove lock pin "A" and pin "B," lower stand, and insert pin "B" through hole "D." Secure pin with lock pin "A."

When operating combine in the field, remove lock pin "A" and pin "B" and raise parking stand until pin "B" can be inserted into hole "C." Secure pin with lock pin "A."

Cotter pin "E" prevents stand from pulling through support plate.

OPERATION

FUNDAMENTALS OF COMBINE HARVESTING

The one most important factor in harvesting is for the operator to have a thorough understanding of the fundamentals of combine operation. The following pages contain information about speeds, settings and special equipment that will enable the operator to place these fundamentals into practice.

These fundamentals in brief are:

Be sure crop is in condition to thresh—moisture content not too high—straw not too green.

When combining with a belt pickup, operate the pickup 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 does not release from pickup stripper, the speed of the pickup is too slow.

Always operate the belt pickup as level as possible when operating under normal ground conditions. Increase the pitch only when operating in rocky ground conditions to prevent rocks from being carried into the platform auger.

In making the first round of the field when using a cutting platform, keep the tractor forward speed as slow as possible to reduce the volume of material entering the combine. Always run the tractor at rated PTO speed to keep the combine mechanism up to full speed, thus guarding against slugging and clogging. Shift to a lower gear if necessary, but do not throttle down the engine.

Select a tractor ground speed that will not overload the combine.

Keep the cylinder speed as low as possible and concave clearance as high as possible to remove the maximum amount of grain from grain heads without breaking up the straw excessively. Maintain correct beater speed to guard against wrapping of straw on beater.

Cut the crop as high as possible without excessive loss of low grain heads when using a cutting platform. If the crop is down and tangled, it may be desirable to use lifting guards. Slow travel speed is imperative.

Adjust the reel position and speed for even feed.

Regulate adjustable chaffer openings to pass the grain or seed to the lower sieve before it has passed over two-thirds the length of chaffer without admitting too much coarse material.

Close adjustable sieve as far as possible without carrying clean grain into the tailings auger.

If material loads up on front of chaffer, adjust upper windboard to throw air blast to front of shoe

Use as much air blast as possible without blowing over clean seed. If the grain or seed is unusually light, it may be necessary to reduce the volume of air. In heavy seeds, increase the volume of air.

Keep amount of tailings as low as possible.

OPERATING SUGGESTIONS

Don't start combining until the crop is ripe.

Unless crop drying equipment is available, a crop should not be combined until it is dead ripe. If the threshed grain feels damp or is easily dented with the fingernail, the moisture content is usually too high for safe storage.

Grain crops containing 14 per cent moisture or less are usually considered dry enough for safe storage. A John Deere Moisture Meter for checking moisture content of grain and a portable Grain Dryer can be purchased from your John Deere dealer, or arrangements can usually be made at the local grain elevator for necessary moisture tests and drying if necessary.

OPERATION IN WEEDY CONDITIONS

Combining in fields where weeds are numerous is particularly troublesome as they tend to gum up the sieves. Also, the moisture in the seeds is imparted to the grain.

The following suggestions will help while operating in weedy conditions.

Cut the crop as high as possible to avoid weeds and undergrowth when using a cutting platform.

Check to see that the cylinder is operating at proper speed.

Use as much air blast on the shoe as possible without blowing over grain.

Lower rear end of chaffer.

HOLD DOWN THE GROUND SPEED

Excessive travel speed is one of the greatest causes of trouble in combining. Traveling at too high a ground speed causes overloading, resulting in a loss of grain.

Also, traveling at an excessively high speed over rough ground also causes extra wear and damage to parts, not incurred when the combine is operated at a more reasonable speed.

KEEP STEADY, SMOOTH TRACTOR ENGINE SPEED

Any fluctuation in engine speed is reflected in the speed of the separator. Uneven speed results in loss of grain, inferior threshing and, in extreme cases, complete plugging of the combine. Take every precaution to maintain the correct uniform speed.

By rounding the corners in the field, you can maintain more uniform speed when turning.

When stopping, wait until material in the combine is cleaned out before disengaging tractor PTO lever.

BEFORE-OPERATION CHECKS AND ADJUSTMENTS

Careful inspection and service of the combine before starting work each day will prevent needless delays and breakdown in the field. Make the following checks and adjustments:

Lubricate the combine completely. See lubrication section, page 16.

Open the doors at bottom of elevators and leave them open until combine is started.

Inspect belts and chains for proper tension and alignment. See that there are no loose bolts or missing cotter pins.

COMBINE BREAK-IN

Check all V-belt drives carefully for proper alignment and tension. Keep belts tight enough to prevent slippage. Belts can be ruined very quickly if allowed to slip in the grooves of a sheave for any length of time. Excessive heating of a sheave is a sign of belt slippage. New belts will stretch slightly after the first run-off. Check tension frequently.

Open the clean-out doors in the bottom of the clean grain and tailings elevators and check tension of elevator chains—see page 41 for adjustments. It is a good plan to check the chain tension every day of operation.

Be certain all shafts turn freely.

STARTING THE COMBINE

Make certain no one is standing near enough to the combine or tractor to touch any moving parts. Warn everyone to stand clear.

When tractor is properly warmed up, engage PTO slowly to engage the separator. Always run tractor at rated PTO speed.

Check the speed of beater behind the cylinder with a speed indicator. Beater should operate at 680 to 715 rpm with separator empty and not under load. If beater speed is not correct, check tractor PTO for correct rpm rated speed. If PTO is not operating at proper rpm rated speed, see your John Deere dealer.

Test operation of hydraulic control for adjusting platform height.

Test operation of grain tank unloading auger.

Inspect entire combine again, making certain all units are working properly.

Disengage separator, then close doors at bottom of elevators.

SUGGESTED SETTINGS FOR COMBINING VARIOUS CROPS

(These suggested settings are for average conditions. Different field conditibns may make it necessary to change these settings.)

Crop	Cylinder Range* (rpm)	Cylinder to Concave Clearance		Type of Cleaning Sieve	Setting of Adjustable Cleaning Sieve	Setting of Adjustable Chaffer	Setting of Adjustable Cleaning Fan Sheave (rpm)	Fan Side Shutter Opening
		Front	Rear					
Alfalfa	793 to 1190	3/16''	1/8''	Adjustable or 1/10'' round hole	Slightly open	1/8 open	600-640	Closed
Barley—Feed and Malting	765 to 1190	1/2''	1/4''	Adjustable	1/3 to 1/2 open	1/2 to 1/3 open	780-850	Open
Beans—Baby Lima	277 to 425	3/4''	1/2''	Adjustable	Slightly over 1/2 open	2/3 to nearly wide open	840-850	Open
Beans—Soy	466 to 656	1/2''	1/4''	Adjustable or 3/8'' round hole	1/2 open	2/3 open	810-850	Open
Beans—White Pea	466 to 656	1/2''	1/4''	Adjustable	1/2 open	2/3 open	810-850	Open
Buck Wheat	656 to 793	1/2''	3/16''	Adjustable	1/4 to 1/3 open	2/3 open	630-690	2/3 open
Clover—Most Varieties	893 to 1190	3/16''	1/8''	Adjustable or 1/10'' round hole	Slightly open	1/4 open	600-640	Closed
Crotalaria	765 to 1190	5/32''	1/16''	Adjustable or 5/32'' round hole	1/3 open	2/3 open	600-640	1/3 open
Flax	765 to 1190	1/4''	1/8''	Adjustable or 5/32'' round hole	1/3 open	1/3 to 1/2 open	600-640	1/3 open
Grass—Blue	893 to 1190	3/16''	1/8''	Adjustable or 5/32'' round hole	1/4 to 1/3 open	1/2 to 2/3 open	600-640	Closed
Lespedeza	656 to 952	3/16''	1/8''	Adjustable or 5/32'' round hole	1/3 open	1/2 to 2/3 open	620-660	1/3 open
Lupine	500 to 574	3/8''	1/4''	Adjustable	1/2 open	2/3 open	700-740	1/2 open
Maize	765 to 893	5/16''	3/16''	Adjustable	1/4 to 1/2 open	2/3 open	790-850	Open

*See page 34 for various sprocket combinations.

Crop	Cylinder Range* (rpm)	Cylinder to Concave Clearance		Type of Cleaning Sieve	Setting of Adjustable Cleaning Sieve	Setting of Adjustable Chaffer	Setting of Adjustable Cleaning Fan Sheave (rpm)	Fan Side Shutter Opening
		Front	Rear					
Mustard	765 to 1190	3/8"	1/4"	Adjustable	1/4 to 1/3 open	2/3 open	710-760	Closed
Oats	765 to 1190	5/16"	3/16"	Adjustable	1/3 to 1/2 open	3/4 open	760-810	Open
Peas—Field	388 to 540	1"	3/4"	Adjustable	1/3 open	2/3 open	790-840	Open
Proso or Hog Millet	793 to 952	3/16"	1/8"	Adjustable or 5/32" round hole	Slightly open	1/2 open	740-800	Open
Radish Seed	656 to 893	3/16"	1/8"	Adjustable or 5/32" round hole	Closed to 1/4 open	1/3 to 1/2 open	610-640	Closed
Rye	893 to 1190	5/16"	1/4"	Adjustable	1/3 open	2/3 open	790-820	Open
Safflower	756 to 793	1/2"	3/16"	Adjustable	1/2 open	3/4 open	760-830	Open
Sorghums	793 to 952	1/2"	1/8"	Adjustable	1/4 to 1/2 open	2/3 to 3/4 open	785-840	Open
Timothy	952 to 1190	5/32"	1/16"	Adjustable or 1/10" round hole	Slightly open	1/2 open	610-700	Closed
Trefoil, Bird's—Foot	952 to 1190	5/32"	1/16"	Adjustable or 1/10" round hole	Slightly open	1/4 open	600-655	Closed
Wheat	952 to 1190	5/16"	3/16"	Adjustable	1/3 to 1/2 open	2/3 open	790-845	Open

SPEED OF VARIOUS UNITS

(RATED PTO SPEED)

Auger, Platform . . . . . 250 rpm

Beater Behind Cylinder. . . . . 680 to 715 rpm

Cylinder:
Regular. . . . . 1057 rpm

Cylinder (Extreme Low) . . . . . 277 rpm

Cylinder (Extreme High). . . . . 1190 rpm

Elevators. . . . . 313 rpm

Fan (Normal Operating Speed) . . . . 750 rpm

Fan (Extreme Low) . . . . . 602 rpm

Fan (Extreme High) . . . . . 858 rpm

Feeder House Conveyor Drive Shaft 231 rpm

Grain Conveyor Under Cylinder:
(With Regular 15-Tooth Sprocket) 170 rpm

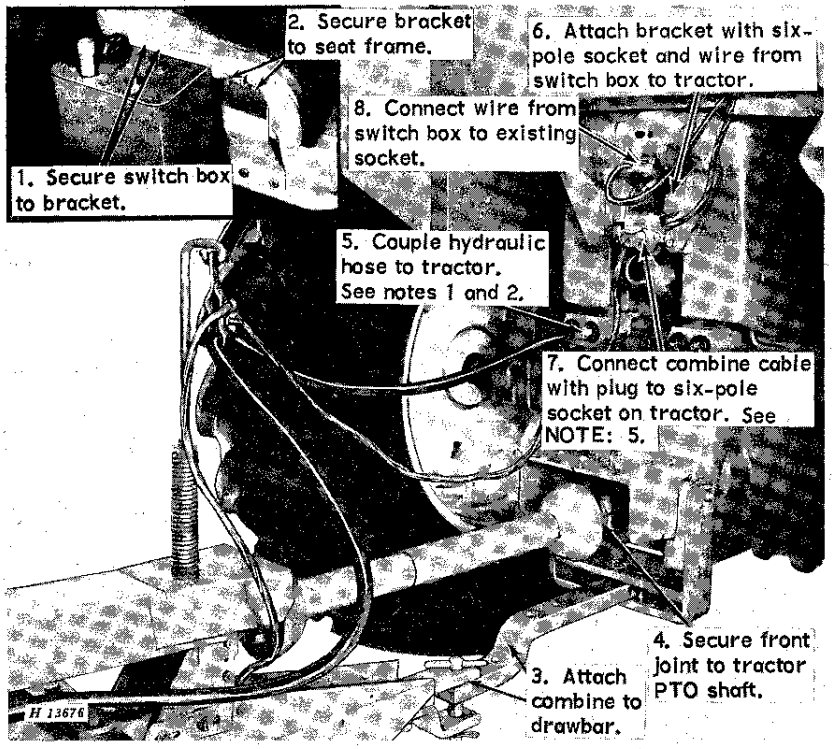
Reel . . . . . 28.6 to 36.8 rpm

Shoe Crank. . . . . 286 rpm

Straw Walker . . . . . 213 rpm

TRACTOR HOOKUP

Diesel Tractor without Lighting Attachment and Gasoline Tractor



NOTE 1: Adapt the tractor remote hydraulic cylinder valve housing for single-action cylinder operation. See tractor operator's manual. Couple hydraulic hose to tractor No. 1 hydraulic circuit breakaway coupler.

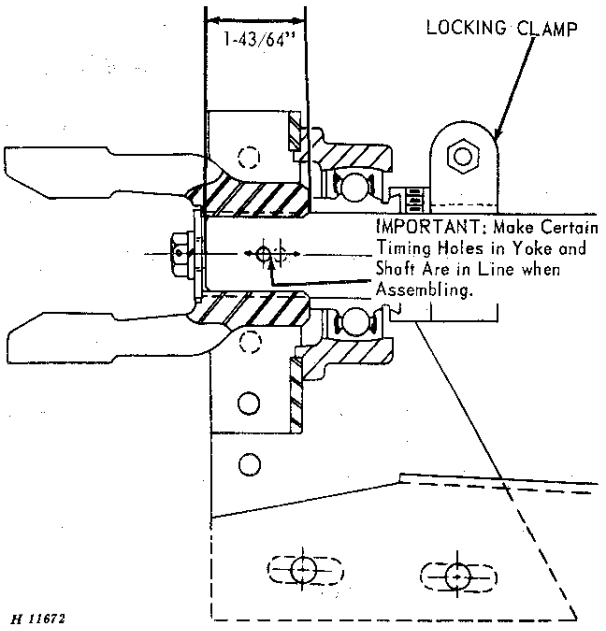
NOTE 2: On John Deere 820 and 830 Tractors equipped with dual valve equipment, it will be necessary to install conversion kit No. AR21261R for single-action cylinder operation.

CAUTION: Protect against the risk of personal injury and machine damage by operating implement only on rpm PTO speed for which it is designed or converted. Operate a 540 rpm implement only on a 540 rpm PTO. Operate a 1000 rpm implement only on a 1000 rpm PTO.

1000 RPM YOKE ASSEMBLY

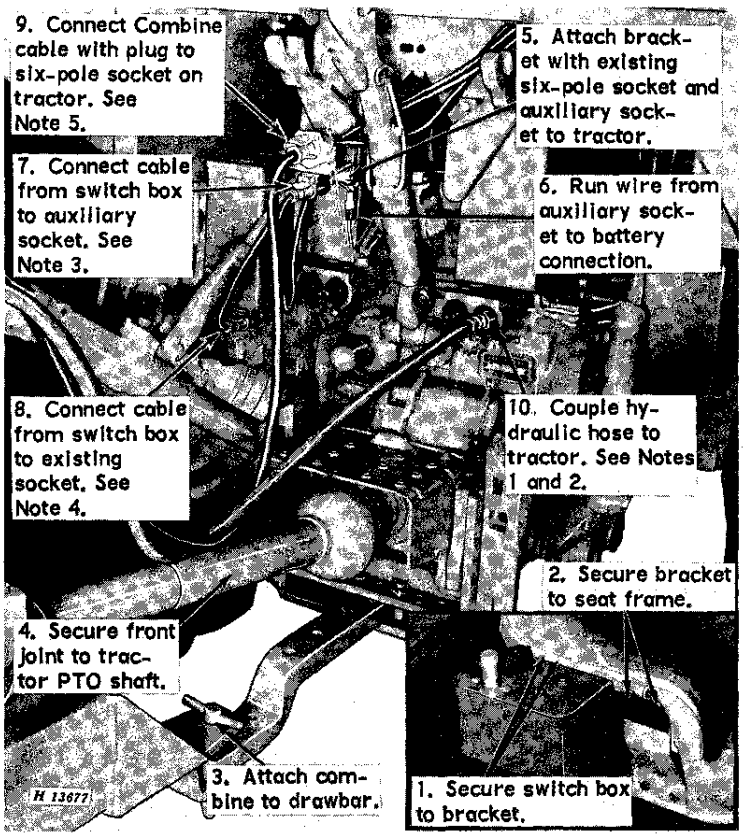
Should it become necessary to disturb locking clamp on hitch tube powershaft, make certain bearing and yoke assemblies are assembled on the shaft, using dimensions given in the illustration at the right for proper position. Failure to do so will cause misalignment of hookup parts.

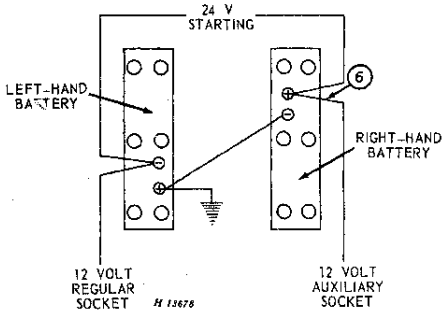
IMPORTANT: Under normal circumstances, locking clamp should not be moved unless it becomes necessary to replace parts.



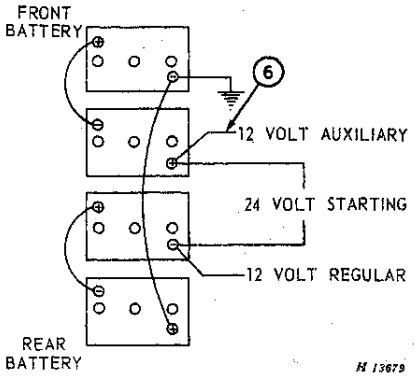
TRACTOR HOOKUP

Diesel Tractor (Split Electrical System) with Lighting Attachment





4010 and 4020 Tractors



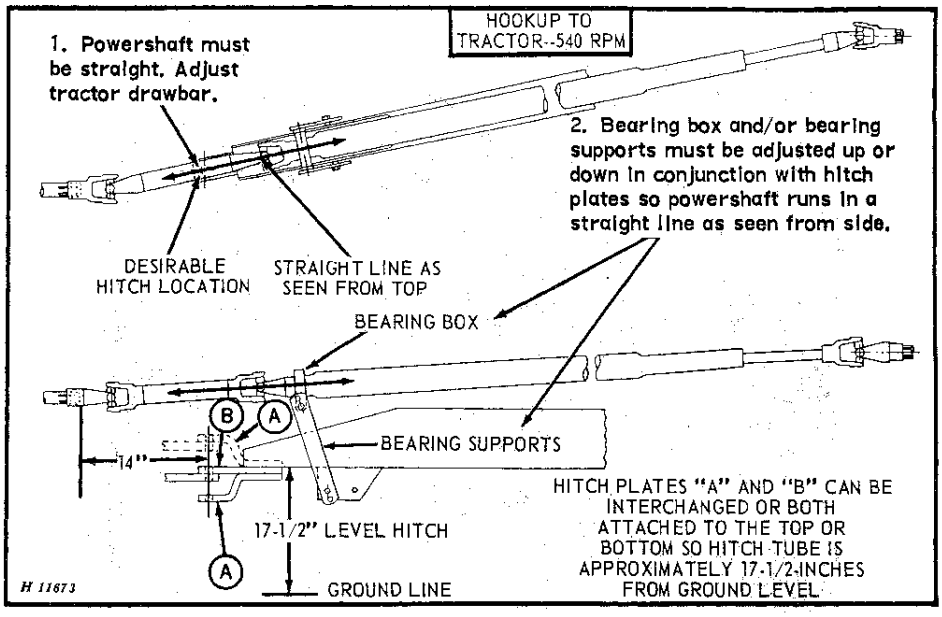
5010 and 5020 Tractors

NOTE 3: Connect cable that supplies current to the electromagnetic clutches to the auxiliary outlet.

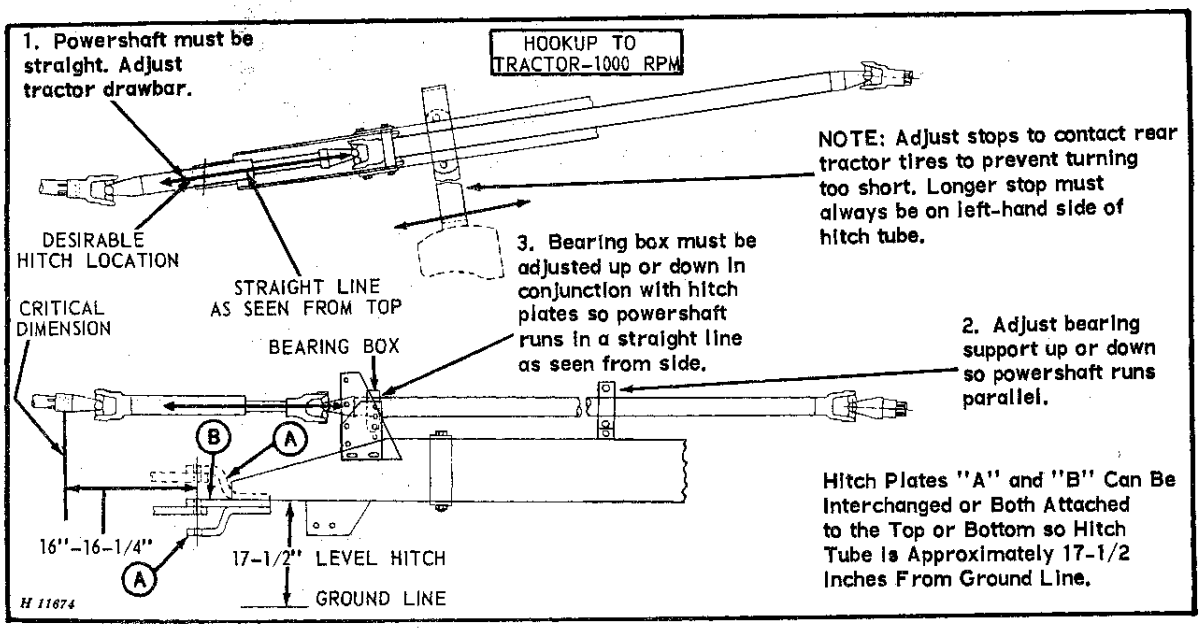
NOTE 4: Connect cable that supplies current to the lights to the existing outlet.

NOTE 5: To prevent accidental discharging of tractor batteries when tractor-combine hookup is left unattended, disconnect six-pole plug from tractor.

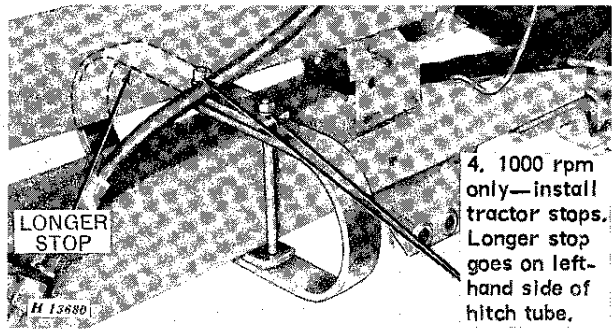
TRACTOR HOOKUP—Continued



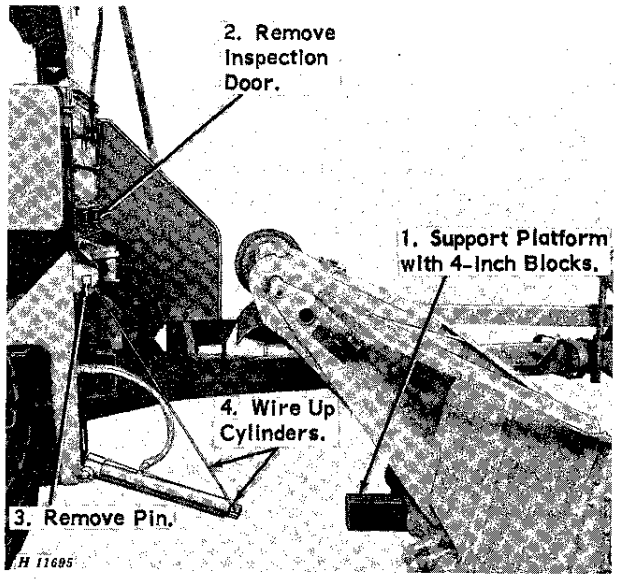
Hookup to Tractor—540 rpm

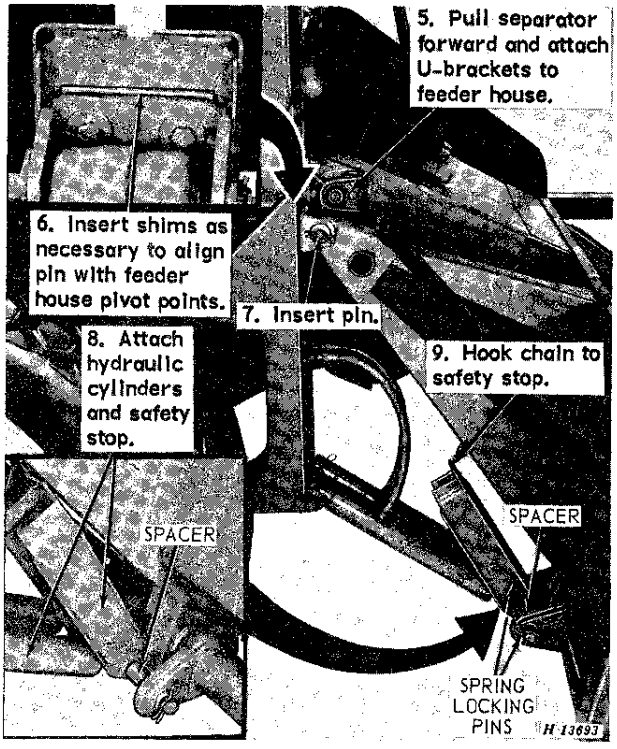


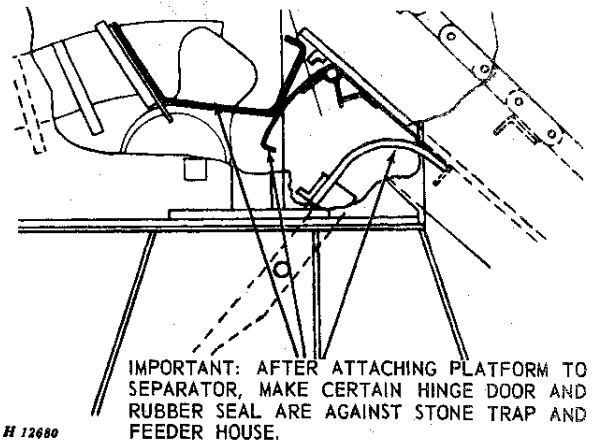
Hookup to Tractor—1000 rpm



ATTACHING CUTTING PLATFORM







TRANSPORTING

This combine is designed for easy and safe transporting. The width of the combine can be reduced by folding unloading auger back along separator (see page 43) and removing cutting platform.

IMPORTANT: Always fold unloading auger back along separator when transporting the combine.

To fold unloading auger back along separator, unfasten over-center lock and swing outer half of auger back. Secure outer end of auger against separator with transport lock.

IMPORTANT: Disconnect powershaft from tractor when transporting.

CAUTION: When transporting the combine on a road or highway at night or during the day, use accessory lights and devices for adequate warning to the operators of other vehicles. In this regard, check your local governmental regulations. Various safety lights and devices are available at your John Deere dealer.

The combine is equipped with red reflective tape on the unloading auger housing and on the backside of the right-hand outer end of the platform for transporting protection.

The combine is also equipped with a warning lamp mast on the left-hand side of the separator. This mast will accommodate the warning lamp which the operator may have on his tractor or on other equipment.

Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading

END OF THE SEASON SERVICE

If possible, store combine in a dry place.

Clean combine thoroughly inside and out. Chaff and dirt will draw moisture and rust the steel.

Remove and clean belts. Wrap them in burlap, and store in a cool, dark place. Clean chains and brush with heavy oil to prevent corrosion.

Clean out augers and elevators. Leave doors open at bottom of elevators.

Clean out bottom of grain tank and unloading auger. Open clean-out door.

Clean the chaffer and sieve.

Grease feeder house conveyor bottom to prevent rust.

Lubricate combine completely. Grease threads on bolts used for adjustments. Apply a coating of grease to slip clutch jaws.

Paint all parts from which paint was worn.

Use blocks to keep cutting platform level.

Block up combine, taking load off tires. Do not deflate tires. If combine is stored outside, remove wheels and tires and store in a cool, dark, dry place.

Release spring tension on all slip clutches, except friction-type slip clutch on powershaft.

Place a few drops of SAE 10W oil on the four studs for the face plate of the platform throw-out clutch.

List the replacement parts that will be needed before the next season and order them early. Your John Deere dealer can give better service during the off season. Also, replacement parts can be installed in your spare time—no delay at harvest time.

THE COMPLETE OBSERVANCE of one simple rule would prevent many thousand serious injuries each year. THAT RULE IS: "NEVER ATTEMPT TO CLEAN, OIL, OR ADJUST A MACHINE WHILE IT IS IN MOTION."

BEGINNING OF THE SEASON SERVICE

The combine must be taken out of storage and carefully checked before starting the harvest season. By making sure your combine is in tip-top shape, you can avoid costly breakdowns during the harvest season.

Replace wheels if they were removed and remove blocking.

Clean the combine thoroughly inside and out.

Install belts, making sure they have the proper tension.

Adjust chains to proper tension. Be sure to check chains in clean grain and tailings elevators.

Clean slip clutches. Be sure to put grease in bore of slip clutches after cleaning.

Adjust spring tension on slip clutches.

Close elevator doors and close grain tank unloading auger clean-out door.

Lubricate combine completely, then run combine at half-speed for about an hour. Check bearings for overheating or excessive looseness. Be sure slip clutches operate freely.

Check tire inflation.

Go over complete combine and see that all bolts are tight and cotter pins are in place.

Review your operator's manual.