

HAY CONDITIONER (FOR USE WITH 540 RPM PTO) (SERIAL NO. 20501 AND UP)



JOHN DEERE

OPERATORS MANUAL

HAY CONDITIONER (FOR USE WITH 540
RPM PTO) (SERIAL NO. 20501 AND UP)

OMH601159 K9 English

OMH601159 K9

LITHO IN THE U.S.A.
ENGLISH



TO THE PURCHASER

This Operator's Manual has been carefully written and illustrated to provide the necessary information regarding assembly, hook-up, lubrication, adjustments, and operation so that you may obtain maximum service and satisfaction from your John Deere Hay Conditioner.

If you should find that you require information not covered in this manual, consult your John Deere dealer. He will be glad to answer any question that may arise regarding the operation of your Hay Conditioner. Your John Deere dealer has trained mechanics who are kept informed on the best John Deere service methods and will render you prompt service if needed.

STUDY THIS MANUAL CAREFULLY AND KEEP IT HANDY IN A SAFE PLACE FOR FUTURE REFERENCE.



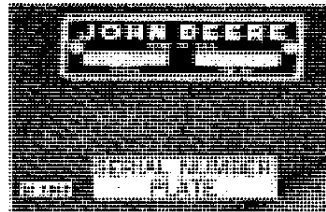
Location Reference: "Right-hand" and "left-hand" sides are determined by facing in the direction the Hay Conditioner will travel when in use.

Should your Hay Conditioner require replacement parts, go to your John Deere dealer where you will receive Genuine John Deere Parts—accept no substitutes.

SERIAL NUMBER

The Hay Conditioner serial number plate is located on the left-hand side of the main frame.

Hay Conditioner Serial No.....
Date Purchased.....



SHIPPING PACKAGES

The John Deere Hay Conditioner (For use with 540 rpm PTO) is shipped in the following shipping packages:

BH 50192 H Hay Conditioner
with
BH 50059 H Manual Lift
or
BH 50060 H Hydraulic Remote Cylinder Lift
with
14903 HH Hydraulic Remote Cylinder Hose Support
BH 50115 H Shields and Shaft with Miscellaneous Parts
BH 50080 H Deflector Shield
BH 50022 H Hitch Tube
BH 50026 H Gear Case with Rope-Controlled Throw-Out Clutch
BH 50027 H Gear Case without Throw-Out Clutch

SPECIAL EQUIPMENT

BH 50103 H Windrower Attachment
BH 50201 H Roll Guard Extensions
H 25197 H 18-Tooth High-Speed Sprocket

TRACTOR HOOKUP

BH 50116 H Powershaft and Tubular Shield for 1-3/8-Inch Tractor PTO Spline

For Tractors with 1-1/8-inch or 1-3/4-inch PTO Spline, remove the 1-3/8-inch Splined Yoke and replace with one of the following:

BH 50116 H
and
BH 50118 H Yoke for 1-1/8-Inch Tractor PTO Spline
or
BH 50116 H
and
BH 50119 H Yoke for 1-3/4-Inch Tractor PTO Spline

**JOHN DEERE HAY
CONDITIONER**

PREDELIVERY CHECK LIST

After the hay conditioner has been completely assembled and lubricated, inspect to be sure it is in good running order before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory, or after proper adjustment is made.

- Tire pressure has been reduced to 28 psi.
- Hay conditioner has been assembled according to instructions. Nuts on all bolts have been tightened and all cotter pins spread.
- Sealing tape has been removed from breather hole in top of gear case on hay conditioner not equipped with throw-out clutch gear case.
- All grease fittings are in place and hay conditioner has been lubricated.
- Gear case has been checked and is filled with SAE 80 or SAE 90 multi-purpose gear lubricant.
- Rear roll (small) has been brushed with medium weight transmission oil.
- Drive chain has been adjusted to proper tension.
- Roll pressure has been set for normal operation.
- This hay conditioner has been checked and, to the best of my knowledge, is ready for delivery to the customer.

(Date Set Up)

(Signature of Set - Up Man)

OWNER'S REGISTER

Name.....
 Post Office.....
 County..... State.....
 Operator's Manual No.....
 Date Sold.....
 Serial No.....

DELIVERY CHECK LIST

The following check list is a reminder of very important information which should be conveyed directly to the customer at the time hay conditioner is delivered. Check off each item as it is fully explained to customer.

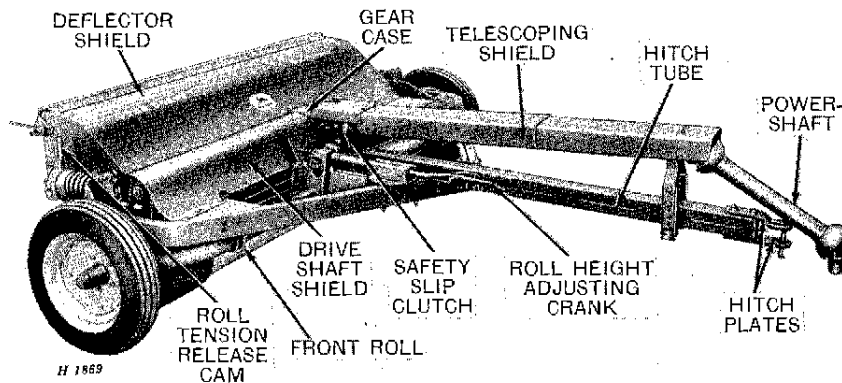
- The customer has been advised that the life expectancy of this or any other machine is dependent on regular lubrication as directed in Operator's Manual.
- The customer has been advised of all safety precautions he must observe while using this hay conditioner.
- The Operator's Manual has been given to the customer. The proper tractor hookup and all operating adjustments have been fully explained to him.
- To the best of my knowledge, this hay conditioner has been delivered ready for field use and customer has been fully informed as to proper care and operation.

(Date Delivered)

(Signature)

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John Deere Hay Conditioner—540 rpm PTO

SPECIFICATIONS

Width of Roll... 72 Inches	Bearings:
Diameter of Rolls:	Gear Case.... Four Tapered
Large Roll.... 9 Inches	Roller Bearings
Small Roll ... 4 Inches	Wheels..... Four Tapered
Over-All Width. 96 Inches	Roller Bearings
Over-All Length. 92-1/2 Inches	Large Roll.... Two Sealed
Wheels and Tires Standard Drop	Ball Bearings
Center Type	Small Roll.... Two Self-Align-
Tires—4.00-12	ing Ball Bear-
Weight (Approx.) 1,000 Pounds	Drive Shaft... One Sealed Ball
	Bearing

(Specifications and design subject to change without notice.)

LUBRICATION

GEAR CASE: Keep SAE 80 or 90 Multi-Purpose gear lubricant up to the oil fill plug in the gear case (approximately one pint required). Oil should be drained and replaced with new oil at the beginning of each year's operation. Do not use burned-out oil from automobile or tractor.





To drain oil, remove drain plug at bottom of gear case.

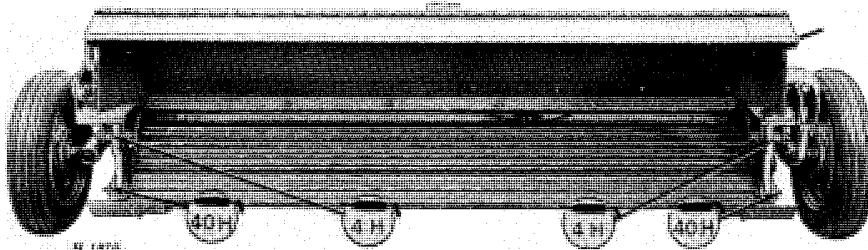
Keep breather hole in gear case free of dirt and grit at all times. *NOTE:* The throw-out clutch type gear case breathes around the shifter shaft in the cover.

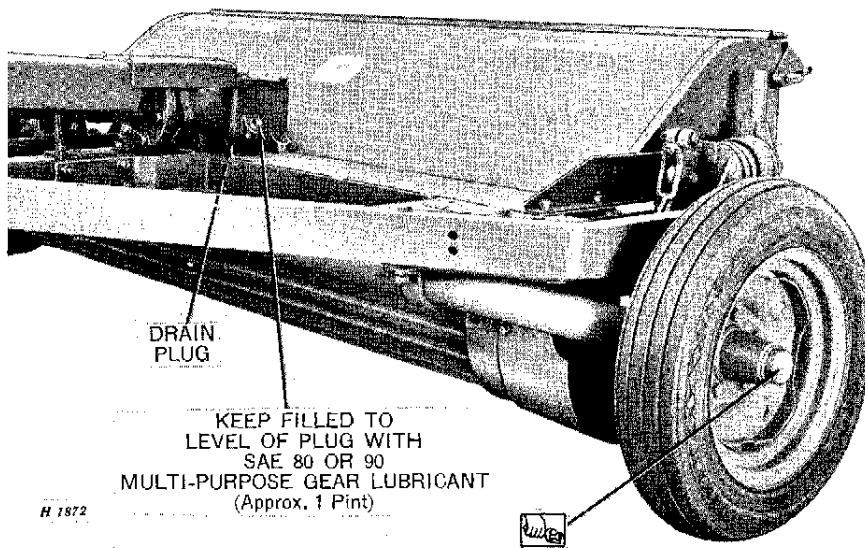
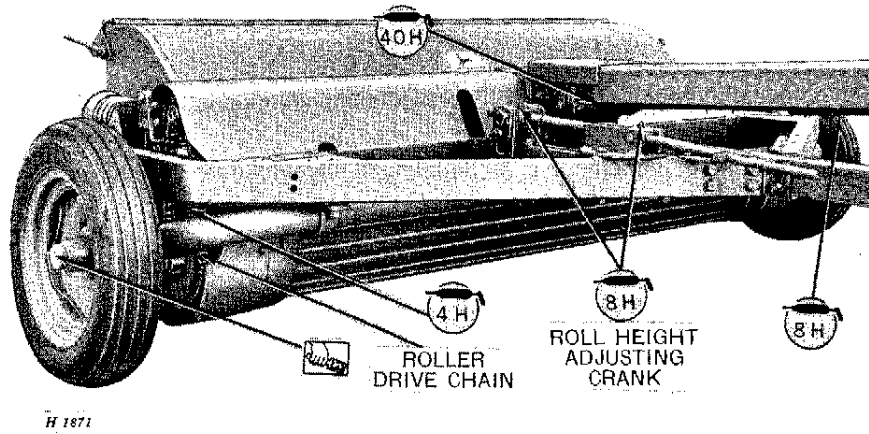
Check gear case oil level at least every 60 hours of operation.

Wipe dirt from grease fittings and nozzle of gun before greasing. Replace missing or damaged grease fittings immediately. Lubricate all grease fittings thoroughly with SAE Multi-Purpose grease, until grease oozes out of bearing. This assures that bearing is full, also flushes out dirt that may have accumulated in the bearing. However, avoid excessive lubrication.

Roller drive chain should be lubricated at frequent intervals. Light machine oil should be used. A clean paint brush is a good instrument for applying oil to chains. **CAUTION: Do not oil chain when operating in sandy conditions. Sand will stick to the oiled chain and act as an abrasive.**

SYMBOLS	
 4H	Grease every 4 hours of operation with SAE Multi-Purpose grease.
 8H	Grease every 8 hours of operation with SAE Multi-Purpose grease.
	Hand pack bearing once a year with SAE Multi-Purpose grease.
 40H	Grease every 40 hours of operation with SAE Multi-Purpose grease.





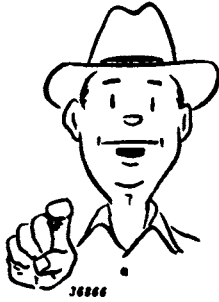
NOTE: When lubricating the hay conditioner, check all bolts and nuts to be sure they are tight. Also check the rolls and other parts for damage or undue wear.



SAFETY SUGGESTIONS



The safety of the operator was one of the prime considerations in the minds of John Deere engineers when the hay conditioner was designed. Shielding, and other safety features were built into the machine wherever possible.



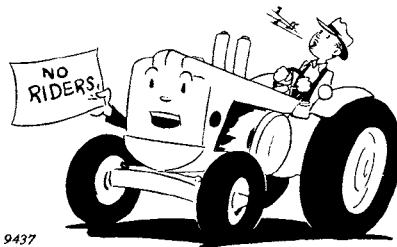
*A Good Operator
Is a Careful
Operator*

However, investigation of thousands of farm machinery accidents shows that careless use of farm machinery causes nearly 1/3 of all farm accidents. You can make your farm a safer place to live and work if you observe the safety suggestions given below. 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.

Don't stand in back of the hay conditioner while it is running. Don't allow others to do so.

Make it a rule never to dismount from the tractor without first disengaging the powershaft.

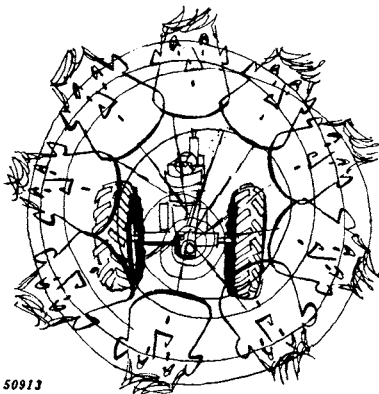


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*Only One Person—The Operator—
Should be Permitted on the
Tractor Platform When Tractor
Is in Operation*

Never clean, oil, or adjust the hay conditioner with the tractor engine running.

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



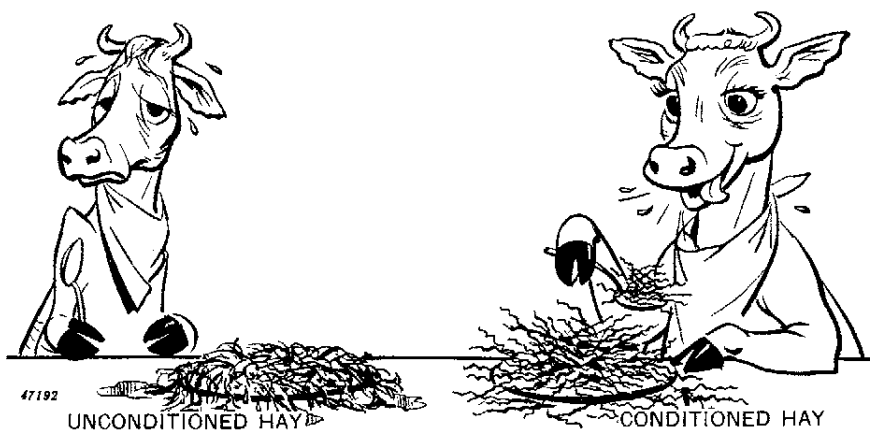
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*Never Wear Loose Clothing Around
Powershaft*

OPERATION

The cut hay is picked up from the ground and passed between the corrugated surfaces of the two rolls which kink or split the stems at 1-1/2- to 2-inch intervals. The corrugations of the rolls are spaced for aggressive kinking or splitting action on the heavier stems and stalks, at the same time providing ample space for tender leaves and small stems to pass through the rolls without damage.

The kinking and splitting of the stems permits the moisture to escape from the stems at the same rate as from the leaves, providing a fast, uniform curing of the crop.



Under some conditions, the reaction of the crop to the hay conditioner will not show up immediately, but within an hour or two, the moisture will begin to work out and the results will speak for themselves. This should be kept in mind when operating, so adjustments will not be made unnecessarily.

Hay should be conditioned before it starts to wilt—usually within 20 minutes after it has been mowed.

Direction of travel should be the same as used by the mower.

CAUTION

Do not operate the hay conditioner empty. When empty, the rolls are not cushioned and wear will result.

Do not use the guards under the right-hand and left-hand ends of the hay conditioner as runner shoes.

Be sure tires are not overinflated. Proper operating pressure is 28 psi.

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