

# JOHN DEERE NO. 9 AND NO. 9W INTEGRAL MOWERS



## OPERATORS MANUAL JOHN DEERE NO. 9 AND NO. 9W INTEGRAL MOWERS

OMH91130 K3 English

**OMH91130 K3**

LITHO IN THE U.S.A.  
ENGLISH



## TO THE PURCHASER

The mower you have just purchased was designed and manufactured to the traditional high quality standards of all John Deere Farm Equipment. We are confident that you will receive years of dependable, economical service from your John Deere Mower.

The mower is one of the pioneer implements of the farm as simple as a pair of shears—as efficient as a safety razor. However, like any other piece of machinery, your mower will require a certain amount of care and adjustment. Proper and thorough lubrication is vital to good performance and the long life of any machine.

This manual has been carefully prepared and illustrated to provide you with the necessary information to hook up, adjust, service, lubricate, and operate your new John Deere Mower to best advantage.

**Read and study this manual carefully. Keep it in a handy place and refer to it often.**

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 and service of the mower. He has trained mechanics who are kept informed on the best methods of John Deere Mower servicing and can give you prompt know-how service in the field or in his shop.

Should your mower require replacement parts, go to your John Deere dealer where you will receive **Genuine 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 used in new machines.

### LOCATION REFERENCE

“Right-hand” and “left-hand” sides are determined by facing in the direction the machine will travel when in use.

### SERIAL NUMBER

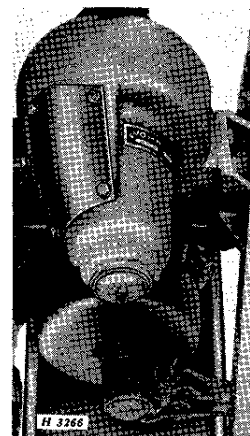
When ordering parts, refer to the model and serial number. By doing so, you will assist your John Deere dealer in giving you prompt, efficient service.

Record the serial number and date purchased in the spaces provided below.

The serial number is stamped on a plate located on the top of the chain case.

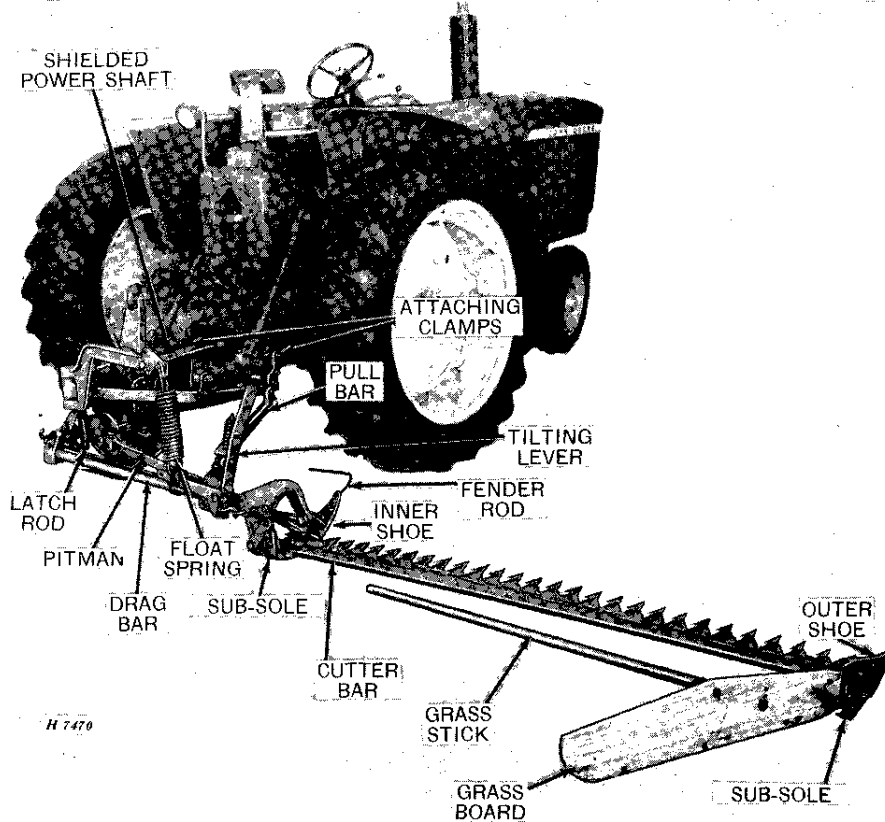
Serial No. ....

Date Purchased .....



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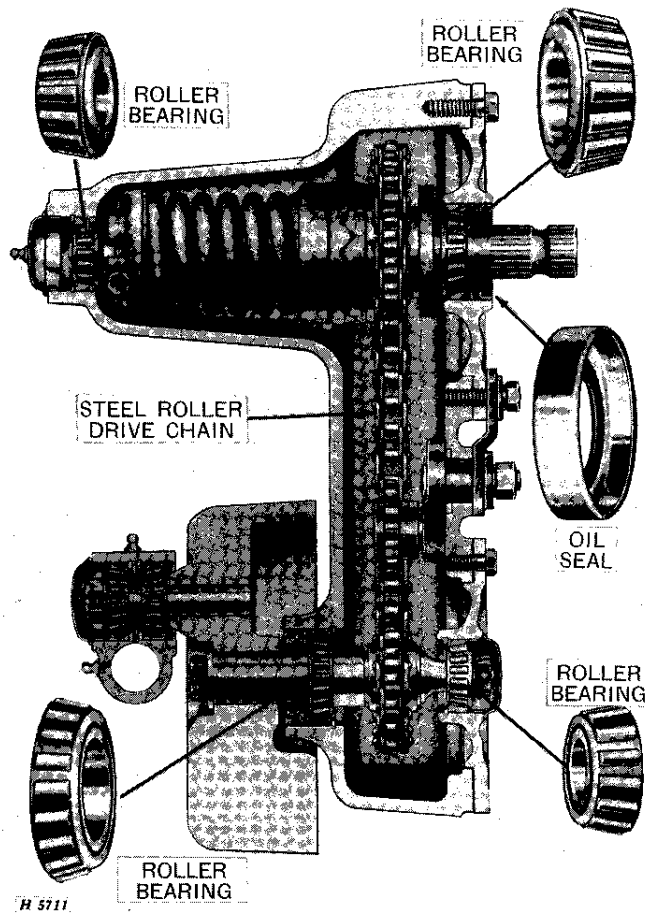
*John Deere No. 9W Integral Mower attached to a John Deere 4010 Tractor*

## SPECIFICATIONS

Length of Cutter Bar.....	6-, 7-, or 9-Foot
Type of Power.....	Power Take-Off on Tractor
Type of Drive.....	Steel Roller Drive Chain
Main Drive Shaft Bearings, Rear.....	Tapered Roller
Front.....	Tapered Roller
Flywheel Shaft Bearings, Rear.....	Tapered Roller
Front.....	Tapered Roller
Pitman Bearings.....	Tapered Roller
Main Drive Chain.....	Enclosed in Oil
Approximate Shipping Weight with 7-Foot Cutter Bar.....	550 Lbs. (No. 9 Mower) 565 Lbs. (No. 9W Mower)

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

## CROSS-SECTIONAL VIEW OF CHAIN DRIVE HOUSING



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."

## LUBRICATION

The economical and efficient operation of any machine is dependent upon regular and proper lubrication of all moving parts with a quality lubricant. Neglect leads to reduced efficiency, heavy draft, wear, breakdown, and replacement of parts.

### CHAIN DRIVE HOUSING

Oil from the chain drive housing lubricates drive chain, sprockets, fly-wheel, and drive shaft bearings. Keep a good grade of SAE 80 or SAE 90 multipurpose gear lubricant up to oil fill plug in housing. Oil should be drained and new oil should be put in at the beginning of each mowing season. **Do not use burned-out crankcase oil from automobile or tractor.** Check oil level at least every 50 hours of operation. To drain oil, remove lower cap screw from lower cover at bottom of chain drive housing.

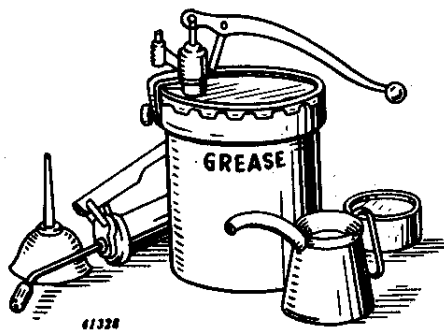
Wipe dirt from grease fittings and nozzle of grease gun before greasing. Use SAE multipurpose grease in grease gun. Grease each fitting periodically as specified in chart on opposite page. Replace all missing grease fittings immediately.

**Lubricate all parts thoroughly; but avoid excessive lubrication.** Excessive lubrication will gather dust and dirt.

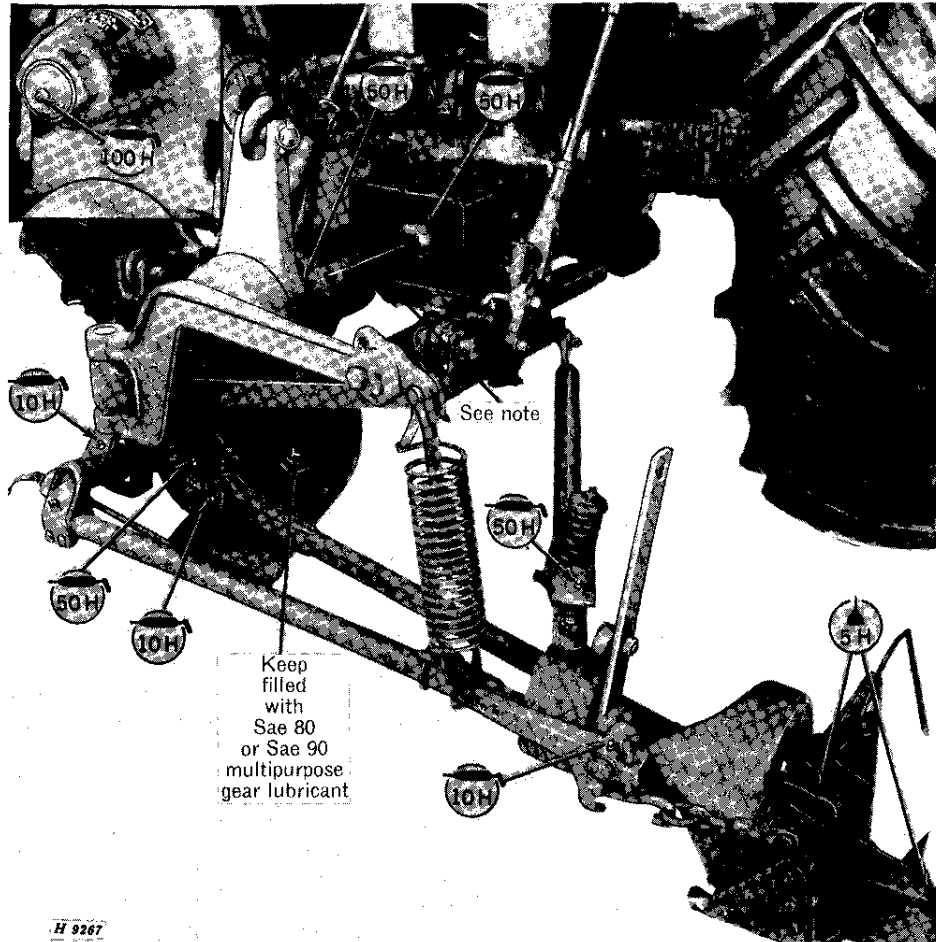
### LUBRICATION OF CUTTER BAR AND KNIFE

Lubricate cutting parts thoroughly with SAE 30 engine oil **except** when working in dry, dusty, and sandy soil conditions; then do not lubricate at all except for a small amount at the knife holders.





### KEEP LUBRICANTS CLEAN!



Use *only* high-grade lubricants which have been stored in clean containers. Wipe away all grease and dirt before removing filler caps or plugs.



## SYMBOLS

-  Oil Every 5 Hours of Operation.
-  Grease Every 10 Hours of Operation.
-  Grease Every 50 Hours of Operation.
-  Grease Every 100 Hours of Operation.

*NOTE: Every 50 hours of operation, remove front section of powershaft and apply grease to inside of square tube in rear section.*

## OPERATION

On the following pages, you will find information on how to operate your John Deere Mower. Read and follow these instructions carefully for dependable, economical service.

### PREOPERATION INSPECTION

Do not start tractor until mower has been carefully checked for correct assembly and installation. See that all nuts are tight and cotter pins spread. Be certain all moving parts work freely and are properly lubricated. Check to see that the power-shaft telescopes freely and the knife is in proper register.



**CAUTION:** Protect against the risk of personal injury and machine damage by operating implement only at power takeoff speed for which it is designed or converted. A 540 rpm implement should be operated only on a 540 rpm PTO. A 1000 rpm implement should be operated only on a 1000 rpm PTO.

Start tractor engine and while idling, slowly engage power takeoff. Let mower run slowly for a while and observe knife and other moving parts to see that they operate freely and normally. Check levers and controls to see that they operate properly.

After mower has been in full speed operation for one hour, stop tractor and mower and check mower to see that all nuts and bolts are tight.

### FIELD OPERATION

#### TURNING CORNERS

This mower will cut neat, square corners. It is seldom necessary to raise the cutter bar at corners. Turn quickly when near the end of cut, using brake to pivot right-hand wheel of tractor.

When turning corners to the left, run tractor in low gear. The cutter bar swings around faster when turning in this direction and this, of course, increases the possibility of striking an unnoticed fence post or some other obstacle.

#### OPERATING SPEED

Under most conditions, the tractor can be driven at 4 to 5 miles per hour without causing undue wear on mower. Avoid excessive speeds. Reasonable speeds result in more accomplished by the end of the day.

Various mowing conditions require different mowing speeds. Best results will be obtained by running the tractor at the travel speed that will meet crop and field conditions, or the speed where the smoothest mowing action results.

Operate engine to obtain the ASAE rated power takeoff speeds. Running the engine at slow speed reduces the knife speed and may cause the knife to clog where cutting is heavy. Where difficult conditions make it necessary to slow down the travel speed of tractor, shift to a

APPROXIMATE NUMBER OF ACRES CUT PER HOUR													
Miles per Hour	2	2-1/4	2-1/2	2-3/4	3	3-1/4	3-1/2	3-3/4	4	4-1/4	4-1/2	4-3/4	5
6-Foot Cut	1-1/2	1-5/8	1-7/8	2	2-1/8	2-3/8	2-1/2	2-3/4	3	3-1/8	3-1/4	3-1/2	3-3/4
7-Foot Cut	1-3/4	1-7/8	2-1/8	2-3/8	2-1/2	2-3/4	3	3-1/8	3-1/2	3-5/8	3-3/4	4	4-1/4
9-Foot Cut	2-1/4	2-3/8	2-3/4	3	3-1/4	3-1/2	3-7/8	4-1/8	4-3/8	4-5/8	4-7/8	5-1/8	5-1/2



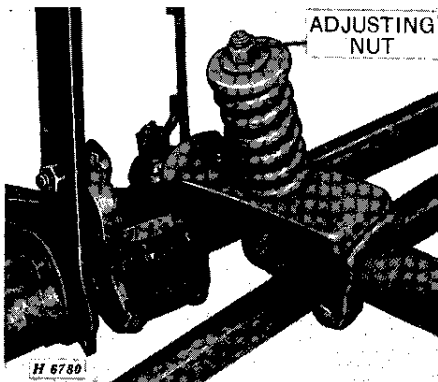
lower gear rather than retard the engine speed. By shifting to a lower gear, the engine will maintain its rated speed, which will keep the knife running at the proper speed for best results.

Do not engage power takeoff with engine running at high speed. To do so may cause undue wear or possible breakage.

### MAXIMUM REAR WHEEL BALLASTING FOR TRACTOR

When operating the mower on a John Deere 1010 Row-Crop, 1010 Row-Crop Utility, or a 1010 Special Row-Crop Utility Tractor, it is important to have the maximum ballast on the rear wheels. Refer to the tractor Operator's Manual.

### SAFETY SPRING RELEASE

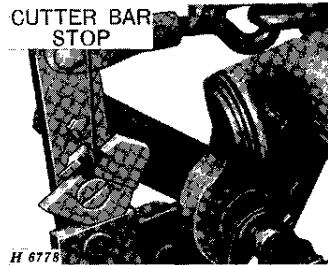


A safety spring release prevents damage to the mower by allowing the cutter bar to swing back when a field obstruction is encountered.

After the safety latch releases and the cutter bar swings back, cramp the front wheels to the left and back the tractor until mower is in normal position and the safety latch catches.

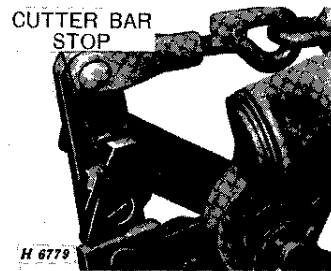
Spring tension may be adjusted by means of adjusting nut. Do not tighten spring more than necessary for satisfactory operation.

### CUTTER BAR STOP



*Cutter bar stop in operating position*

Whenever mower is being operated, be sure cutter bar stop is in "operating" position as shown in the above illustration.



*Cutter bar stop in transporting position*

### GUMMY TRASH ON CUTTER BAR

To remove gummy trash that packs on wearing plates and guards, operate slowly and pour water on bar. Do not allow trash to harden.

### STORING FOR THE WINTER

When storing mower for the winter, be sure cutter bar is not tilted so pitman is under strain—it is likely to take a permanent twist and later cause trouble. If possible, remove pitman.

Clean off the dirt, tighten loose bolts, spread cotter pins, and grease the knives and wearing parts on cutter bar. Order the new parts that will be needed before the mower is used again.

## TRANSPORTING

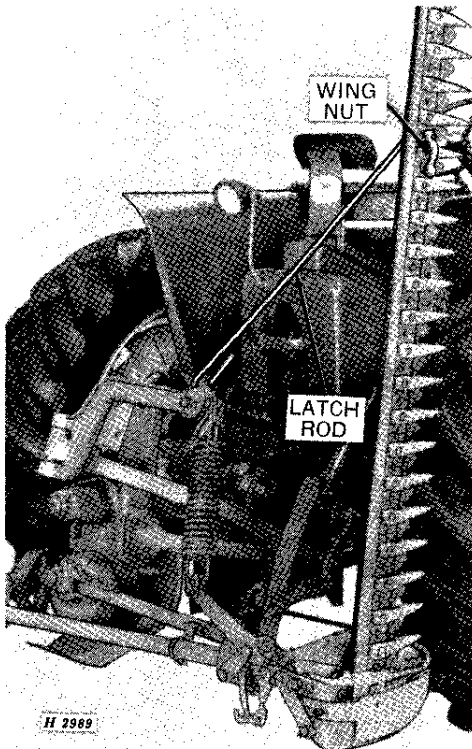


**CAUTION:** Before placing cutter bar in transport position be sure power take-off of tractor is disengaged and be certain to keep fingers away from cutting parts.

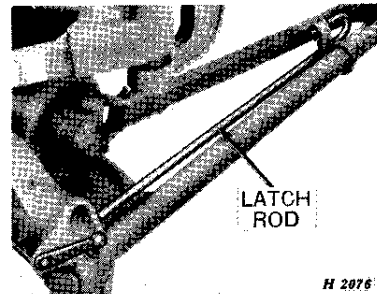
When moving from one field to another or any considerable distance, the cutter bar must be placed in its transport position.

Move cutter bar stop away from yoke and raise cutter bar to its highest position. Hook latch rod into hole in adjusting bracket. Raise cutter bar to an upright position and fit other end of latch rod through hole in cutter bar and secure with latch nut.

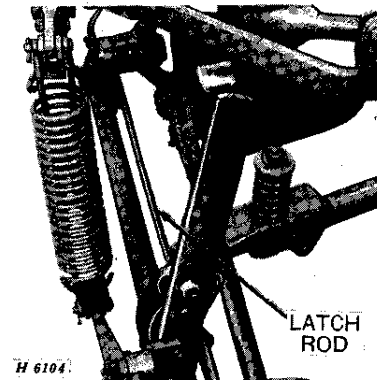
When not in use, the latch rod on a No. 9 Mower fits into flanges on tilt bracket and pull bar pivot casting; on a No. 9W Mower, the latch rod fits into a bracket attached to the drag bar. Hold in place with wing nut.



*Cutter Bar in Transport Position*

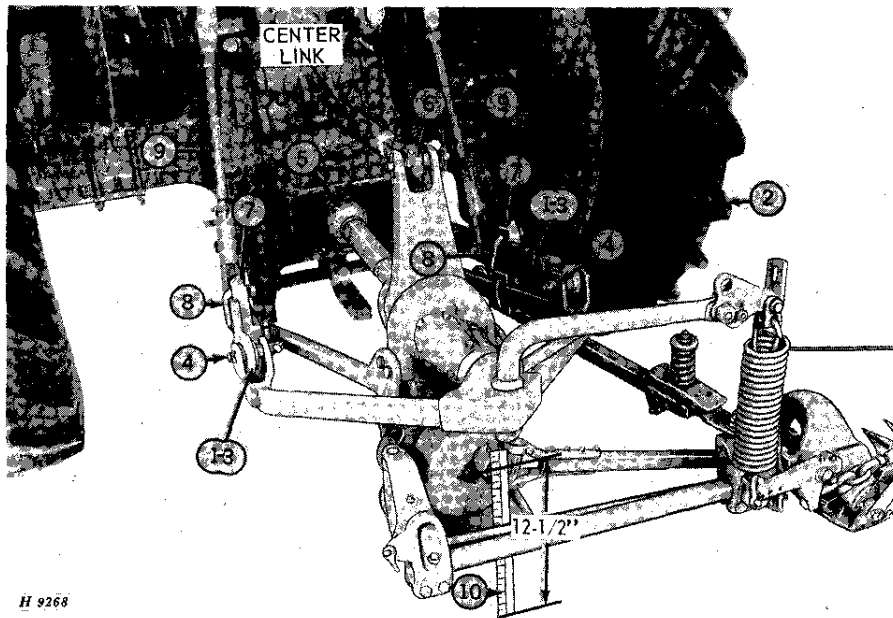


*Latch Rod on No. 9W Mower*



*Latch Rod on No. 9 Mower*

## ATTACHING MOWER TO TRACTOR



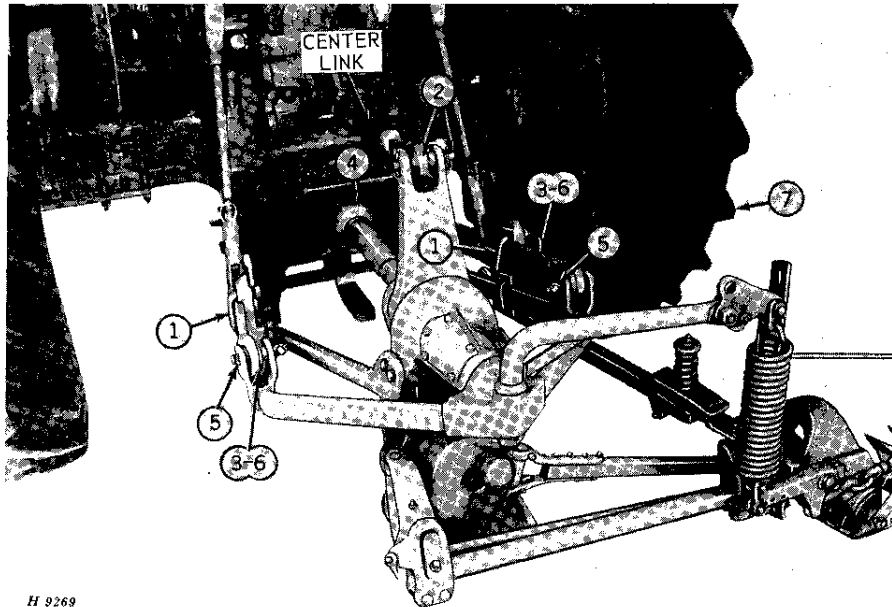
H 9268

**IMPORTANT:** If the tractor has an automatic implement control system, lock it out or place it in the least sensitive position. Refer to tractor operator's manual.

John Deere 1010, 330, 320, 430, 435, 420, and 40 Series Tractors with dual hydraulic system must be operated with lift links in inner holes of lift arms and hydraulic system adjusted for parallel lift arm operation (see tractor operator's manual).

1. Raise tractor draft links 4 or 5 inches above mower.
2. Back tractor over mower.
3. Lower tractor draft links into rear frame hangers on mower.
4. Insert draft link pins through mower rear frame hanger. Adjust draft links so the rear frame hangers are the same distance off the ground.
5. Attach shielded powershaft to power takeoff on tractor.
6. With tractor hydraulic system raise mower and attach center link to mast on mower.
7. Move attaching clamps into place by raising or lowering mower with tractor hydraulic system.
8. Secure attaching clamps with U-bolts. **Tighten to 150 foot-pounds torque.**
9. Shorten the tractor lift links to obtain the maximum lifting height.
10. Completely release rockshaft control lever so mower frame rests on chain drive housing. Adjust upper link so center of flywheel shaft is 12-1/2 inches off the ground.

## DISCONNECTING MOWER FROM TRACTOR



H 9269

1. Raise or lower mower with tractor hydraulic system and remove upper U-bolts so attaching clamps are free from tractor draft links.
2. Raise or lower mower with tractor hydraulic system and disconnect center link from mast on mower.
3. Lower mower with tractor hydraulic system.
4. Disconnect shielded powershaft from power takeoff on tractor.
5. Remove draft link pins from mower rear frame hanger.
6. Raise tractor draft links out of rear frame hangers on mower.
7. Drive tractor forward away from mower.



## SAFETY SUGGESTIONS



The safety of the operator was one of the prime considerations in the minds of John Deere engineers when this mower was designed. Shielding, simple adjustments, and other safety features were built into the mower wherever possible.

However, investigation of thousands of farm 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.

**Never** clean, oil, or adjust the mower 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.

**Be sure** shielded powershaft is in place and in good condition before starting in the field.

**Make sure** everyone is clear of the mower and tractor before starting so no one can be struck by moving parts.

When transporting the mower 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 local governmental regulations. Various safety lights and devices are available at your John Deere dealer.

**Always** shut off the tractor engine before cleaning a clogged cutter bar.

**CAUTION:** Protect against the risk of personal injury and machine damage by operating implement only at power takeoff 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.

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