NEW HOLLAND

615
616
617

OPERATOR'S MANUAL



NEW HOLLAND

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SAFETY

⚠ PRECAUTIONARY STATEMENTS ⚠

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. To help prevent accidents, read the following precautions before operating this machine. This machine should be operated by only by those who are responsible and instructed to do so.

Carefully review the procedures given in this manual. It is important that all operators be familiar with and follow safety procedures.

1. **Before operating the machine, study this Operator's Manual safety messages. Read all safety signs on machine. Clear the area of other persons. Learn and practice safe use of controls before operating. It is your responsibility to understand and follow manufacturer's instructions on machine operation, service, and to observe pertinent laws and regulations. Operator and Repair Manuals may be obtained from your equipment dealer.**
2. **ALWAYS turn OFF the tractor engine, remove the key, and make sure all motion has stopped before servicing, cleaning, lubrication or making any adjustments on the disc mower.**
3. **Do not start the machine until you are sure that no tools are lying on it.**
4. **Do not wear loose fitting clothing, jewelry, watches, or other items that can get caught in moving parts. Tie up long hair that can get caught in moving parts.**
5. **Do not attempt to remove material from any part of the machine while it is in operation.**
6. **Do not leave the tractor while the tractor PTO or hydraulic drive is engaged.**
7. **Always replace or close all shields after making repairs, adjustments, or after lubrication. Shields are used for your protection. Keep them in place!**
8. **Do not allow anyone to ride on the machine.**
9. **Replace any safety signs that are missing or cannot be read. Replacement safety signs are available from your local dealer.**
10. **Hydraulic oil leaking under pressure can penetrate the skin and cause infection or other injury. To prevent personal injury: relieve all pressure, before disconnecting fluid lines or performing work on the hydraulic system. Before applying pressure, make sure all connections are tight and components are in good condition. Never use your hand to check for suspected leaks under pressure. Use a piece of cardboard or wood for this purpose. If injured by leaking fluid, see your doctor immediately.**
11. **Understand and comply with state and local laws governing highway safety regulations concerning transporting a machine on public roads. Make sure road lamps, safety markings, and all safety devices are installed and in working order.**
12. **When assembling, operating or servicing the machine, wear protective clothing and personal safety devices that are necessary for the particular procedure. Some personal safety devices that may be necessary are protective shoes, face and/or eye protection, hard hat, heavy gloves, filter mask and hearing protection.**
13. **Keep the area used for servicing the machine clean and dry. Wet or oily floors are slippery. Wet spots can be dangerous when working with electrical equipment. Be sure all electrical outlets and tools are properly grounded.**

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Tractor Requirements

The **Model 615** disc mower with **PIN 628301 and above** is designed to fit tractors with 540 RPM PTOs with standard ASAE Category I three-point hitches.

The **Model 615** with **PIN below 628300, the Model 616,** and the **Model 617** disc mowers are designed to fit tractors with 540 RPM PTOs with standard ASAE Category II three-point hitches.

The tractor must also have adjustable sway bars or a means of locking the lower lift arms from moving sideways.

For the **615 disc mower above PIN 628301,** the tractor front axle weight should be 782 kg (1725 lbs.) or greater prior to attaching the disc mower. This is for tractors with a wheel base range of 1981 mm (78 in) to 2136 mm (84 in). Add additional weight if required to achieve 782 kg (1725 lbs.) or greater.

The tractor must also be equipped with one remote hydraulic circuit; with a minimum of 104 bar (1500 PSI) and a maximum of 193 bar (2800 PSI).

The tractor should have a minimum of 45 horsepower for the **Model 615,** a minimum of 55 horsepower for the **Model 616,** and a minimum of 60 horsepower for the **Model 617**. Insufficient tractor horsepower may cause stripping and poor cutting.

A tractor that does not have adequate ballasting, wheel spacing, and tire spacing can be unstable when the disc mower is operated on an incline.

⚠ WARNING ⚠

A tractor with an enclosed cab is required when operating a rotary disc cutting machine. Failure to comply could result in death or serious injury.

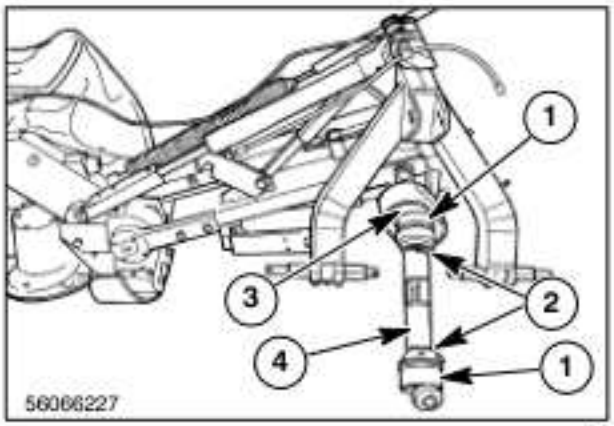
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GREASE FITTINGS

Grease the PTO shaft crosses, 1; shield, 2; and overrunning clutch, 3, daily or every 8 hours of use.

Grease the telescoping sections, 4, every 20 hours.

NOTE: *After lubricating the telescoping sections, the PTO shaft should be extended and retracted fully to spread the grease.*

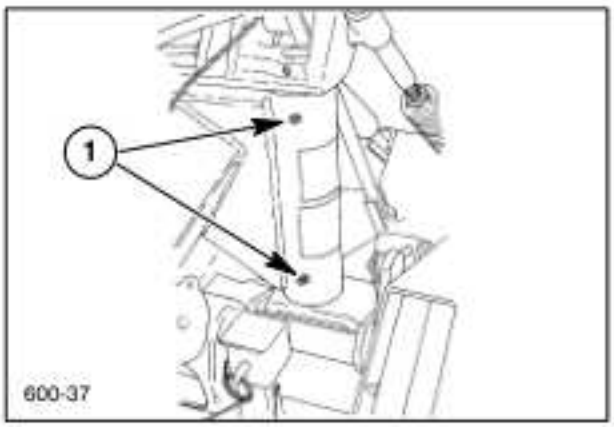


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Grease the main frame pivot bushings, 1, every 40 hours.

⚠ WARNING ⚠

Disengage the PTO, turn off the tractor engine and remove the key. Wait for all movement to stop before leaving the operator's position. Never adjust, lubricate, clean or unplug machine with the engine running. Failure to comply could result in death or serious injury.

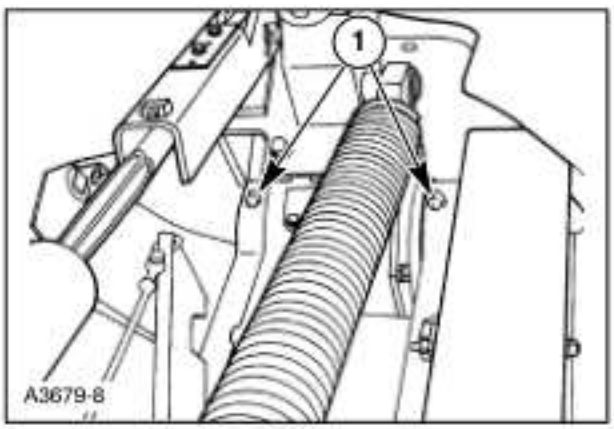


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Grease the cutter bar pivots, 1, daily.

Pump grease into pivots until grease can be seen coming out past seals.

NOTE: *Grease zerks are located on both top and bottom of pivot arms.*



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