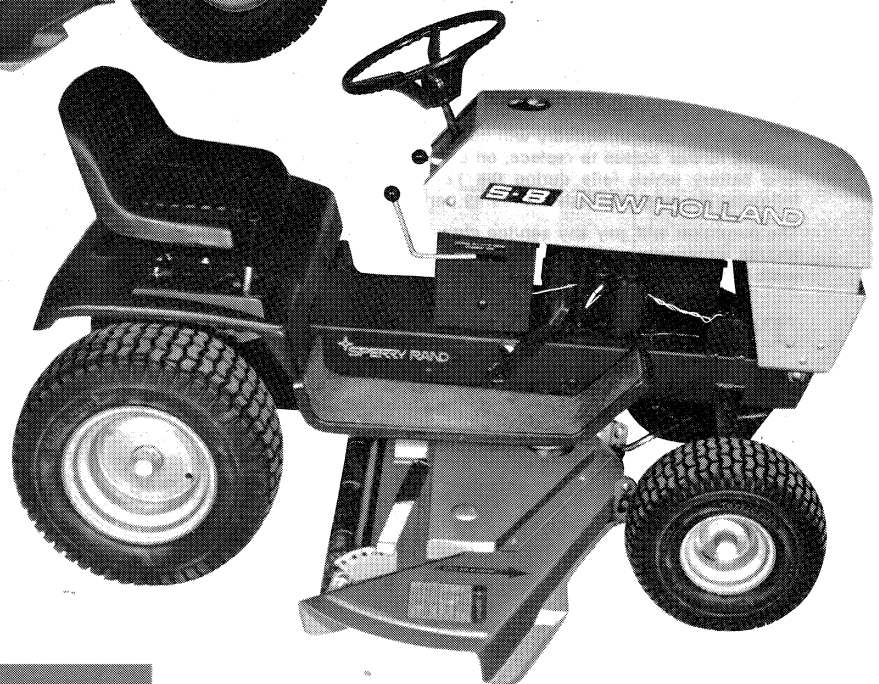


# OPERATOR'S MANUAL



 SPERRY RAND

**NEW HOLLAND**

**GARDEN  
TRACTOR  
S-8**

**WITH 36 RM  
ROTARY MOWER**

# WARRANTY

## NEW HOLLAND LAWN AND GARDEN EQUIPMENT

New Holland makes the following warranty to the original purchaser of each item of new lawn and garden equipment bearing the "New Holland" name purchased from an authorized New Holland Lawn and Garden Equipment Dealer:

All parts, except tires, tubes and batteries, which are defective in material or workmanship when delivered to the original purchaser will be repaired or, at New Holland's option, replaced, upon notification of the defect to an authorized New Holland Lawn and Garden Equipment Dealer, without charge for parts or labor if the defect appears within twelve (12) months from the date of delivery of the equipment to the purchaser.

Tires, tubes, batteries and equipment not bearing the "New Holland" name are warranted by the selling dealer or the manufacturers thereof. Batteries bearing the "New Holland" name which fail within 90 days from date of delivery will be replaced without charge. New Holland further agrees to replace, on a pro-rata basis, any New Holland battery which fails during the 12-month period immediately following the original 90-day warranty period.

The purchaser will pay any service charge for making service calls and/or transporting the equipment to the place where the warranty work is to be done.

This warranty does not cover depreciation or damage caused by normal wear, accident, improper maintenance, improper protection in storage or improper use. Normal maintenance and service replacement costs will be borne by the purchaser.

This warranty will be void if the equipment is modified or altered in a manner not approved by New Holland or if service other than normal replacement of service items is performed by someone other than an authorized New Holland Lawn and Garden Equipment Dealer.

Neither New Holland nor any affiliated company makes any warranties, representations or promises, express or implied, as to quality or performance of its products other than those set forth above and specifically, New Holland **DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS**. Neither New Holland nor any affiliated company shall be liable for special or consequential damages.

## TO THE OWNER

The owner's warranty which appears on this certificate is expressive of the quality built into your equipment. Since it first started in business in 1895, New Holland has had as its goal the manufacture of top-quality equipment. Outstanding engineering research and development are backed by unmatched skill in the manufacture of New Holland products. The result is equipment built to do the kind of job expected of it.

When you invested in this New Holland lawn and garden equipment you became eligible for the protection of the New Holland Owner's Warranty.



**BE CAREFUL! THIS SYMBOL IS USED THROUGHOUT THIS BOOK WHENEVER YOUR OWN PERSONAL SAFETY IS INVOLVED. TAKE TIME TO BE CAREFUL!**

## ***A Note to You, Mr. Owner:***

This manual contains information concerning the operation, maintenance and adjustment of your New Holland garden tractor and rotary mower. It should be carefully read before attempting to operate the equipment. You will find many helpful pointers which will assist you in obtaining the superior performance for which they were designed.

In the design of your tractor and mower, emphasis has been placed on safety for operator protection. However, careless and negligent operation can still result in serious injury to persons or property. Be sure to read and follow all safety instructions in this manual.

Keep this manual available for ready reference. Your New Holland dealer is interested in your obtaining the most from your investment. He will be glad to answer any questions that you may have about your tractor and mower. When major service is required, his staff of trained servicemen is ready to serve you.

When in need of parts, always order genuine New Holland service parts from your New Holland dealer. Be prepared to give your dealer the model and serial number of your engine, tractor and rotary mower. Locate these numbers now and record them below.

TRACTOR MODEL .....	TRACTOR SERIAL NO. ....
ENGINE MODEL .....	ENGINE SERIAL NO. ....
ROTARY MOWER MODEL .....	ROTARY MOWER SER. NO. ....

## ***About Improvements***

New Holland is continually striving to improve its products and, therefore, reserves the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligations to make changes or additions to the equipment sold previously.



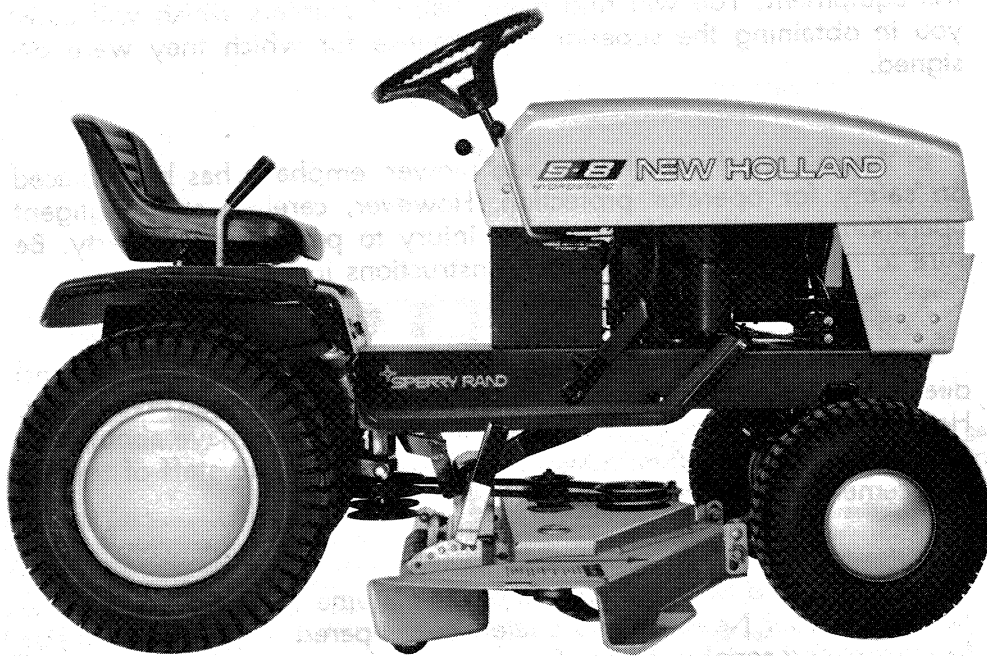


FIGURE 3



FIGURE 4

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# **IMPORTANT BE A SAFE OPERATOR**

Before attempting to operate the tractor or rotary mower, thoroughly acquaint yourself with:

1. The safety information in the Operator's Manual.
2. The operating instructions in the Operator's Manual.
3. The controls on the tractor and rotary mower.



## **BE CAREFUL**

1. **AVOID STEEP HILLSIDE OPERATION.**
2. **REDUCE SPEED WHEN TURNING.**
3. **BEFORE DISMOUNTING FROM TRACTOR:  
MOVE CONTROL LEVER TO "PARK-START"  
POSITION ON HYDROSTATIC MODELS.  
MOVE CONTROL LEVER TO NEUTRAL PO-  
SITION ON GEAR SHIFT MODELS.  
ENGAGE BRAKE LOCK  
DISENGAGE PTO CLUTCH.  
SHUT OFF ENGINE AND REMOVE IGNI-  
TION KEY.**
4. **BE CAREFUL WHEN GETTING ON AND OFF  
TRACTOR.**
5. **DO NOT OPERATE TRACTOR IN THE VICIN-  
ITY OF OTHER PEOPLE.**
6. **DO NOT DRIVE ON STREETS OR HIGH-  
WAYS.**

7. **KEEP ALL SHIELDS AND GUARDS IN PLACE**
8. **KEEP CHILDREN, BYSTANDERS AND PETS  
OUT OF THE WORKING AREA.**
9. **KEEP HANDS, FEET AND CLOTHING AWAY  
FROM POWER DRIVEN PARTS.**
10. **KEEP ALL SHIELDS AND GUARDS IN PLACE**

### **BEFORE SERVICING ANY ATTACHMENT:**

DISENGAGE POWER.

SHUT OFF ENGINE.

MAKE SURE BLADES, AUGER AND ALL MOV-  
ING PARTS HAVE STOPPED REVOLVING, DIS-  
CONNECT ENGINE SPARK PLUG CABLE. LOW-  
ER THE ATTACHMENT.

## **SAFETY INFORMATION**

UNSAFE OPERATING PRACTICES AND IM-  
PROPER USE OF THE GARDEN TRACTOR AND  
ITS ATTACHMENTS ON THE PART OF THE OPER-  
ATOR CAN RESULT IN INJURIES. OBSERVE THE  
FOLLOWING SAFETY PRECAUTIONS AT ALL  
TIMES.

1. Give complete and undivided attention to  
the job at hand so complete control of the  
tractor and attachment is maintained at all  
times.

2. Learn how to stop the tractor and implement clutch quickly.
3. Drive slowly over rough ground and on slopes. Keep alert for holes, ditches and other irregularities that may cause the tractor to overturn.
4. Avoid steep hillside operation which could cause tractor to overturn.
5. Reduce speed when turning so there is no danger of the tractor overturning.
6. Always look behind you before backing up.
7. Maintain proper transmission oil level on hydrostatic models to prevent loss of braking control.
8. Do not allow children to operate the tractor or attachment.
9. Do not allow adults to operate tractor without proper instructions.
10. Do not allow passengers to ride on tractor at any time.
11. Do not operate tractor in any position other than while in the operator's seat.
12. Do not stop or start suddenly when going up hill or down hill.
13. Never operate tractor engine in a closed building.
14. Re-fuel tractor outdoors with the engine shut off. Replace gas cap securely. Use an approved container. Do not smoke when handling fuel. Avoid spilling.
15. After operating the engine, never touch muffler, exhaust pipe or engine until they have had time to cool.
16. Dress appropriately — wear relatively tight fitting clothing when operating tractor. Loose or torn clothing can catch in moving parts or controls.
17. Use only approved draw bar hitch points to pull loads.

WHEN OPERATING THE ROTARY MOWER, FRONT BLADE OR SNOW THROWER, THESE ADDITIONAL SAFETY PRECAUTIONS MUST BE OBSERVED:

1. Read the operator's manual thoroughly and become thoroughly familiar with all operating procedures and safety information.
2. NEVER ATTEMPT TO MAKE ANY ADJUSTMENT WHILE THE ENGINE IS RUNNING. ALWAYS DISENGAGE THE IMPLEMENT CLUTCH, STOP THE ENGINE, REMOVE THE IGNITION KEY AND DISCONNECT THE ENGINE SPARK PLUG WIRE.
3. Clear work area of debris and objects which might be picked up and thrown.
4. Stop and inspect for damage after striking a foreign object. Repair any damage before re-starting and operating the attachment.
5. Never direct discharge of any material toward bystanders nor allow anyone near the machine while in operation. Although the area has been cleared of foreign material, small objects may have been overlooked which could be discharged by the attachment.
6. When the tractor is parked, stored or left unattended, always lower the attachment so it is resting on the ground or floor. If left in a raised position, the manual lift lever could accidentally be moved causing the attachment to fall and injure someone.
7. Disengage PTO clutch when transporting.
8. Do not allow children to operate the equipment.
9. Do not allow adults to operate the equipment without proper instructions.

## **TRACTOR OPERATION**

### **TRACTOR CONTROLS**

#### **IMPLEMENT POWER CLUTCH — (Figure 5)**

The implement power clutch is used to operate the mower or snow thrower. Push the lever forward to engage the clutch and drive the attachment. Pull the lever rearward to disengage the clutch and stop the attachment. The lever must be in the rear (disengaged) position to start the engine. THIS IS A SAFETY



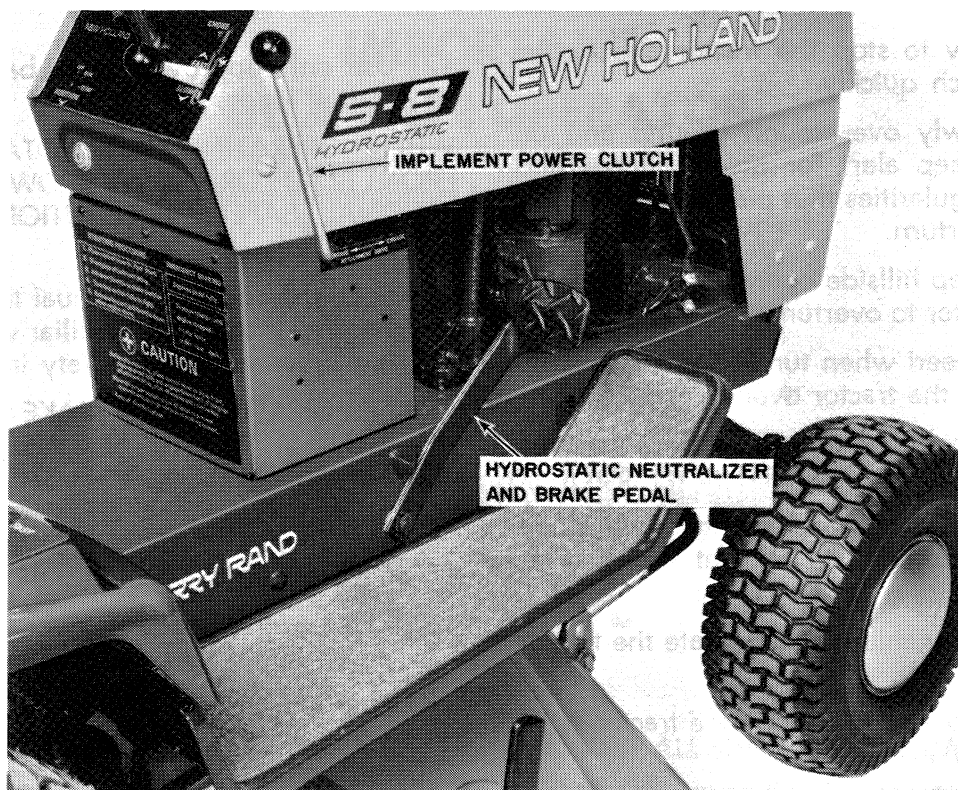


FIGURE 5

FEATURE. The engine will not start until the lever has been placed in the disengaged position.

### HYDROSTATIC CONTROL LEVER (Hydrostatic Models) — (Figure 6)

This lever regulates both tractor speed and direction. Gradually move the lever forward from the "park-start" (neutral) position to increase forward travel speed. Move the lever rearward to the "R" position to back the tractor and regulate reverse speed.

**NOTE:** The lines and numbers next to the forward slot do not indicate a given speed. They serve as guide lines only.

THE CONTROL LEVER MUST BE IN THE "PARK-START" POSITION TO START THE ENGINE.

### GEAR SHIFT LEVER — (Gear Shift Models) — (Figure 7)

The gear shift lever is used to select any of three forward gears or one reverse gear. The markings 1, 2, 3 and R on the control console indicate the locations of the gears. The slowest forward gear is indicated by #1, the secondary gear, #2 and the fastest gear, #3. The "R" indicates reverse.

THE GEAR SHIFT LEVER MUST BE IN THE FORWARD NEUTRAL POSITION AS SHOWN IN FIGURE 7 TO START THE ENGINE.

### HYDROSTATIC NEUTRALIZER AND BRAKE PEDAL (Hydrostatic Models) — Figure 5)

When this pedal is depressed, the hydrostatic control lever will return to neutral and stop the forward or reverse motion of the tractor. At the same time, the pedal actuates an independent brake which provides an additional means of stopping the tractor.

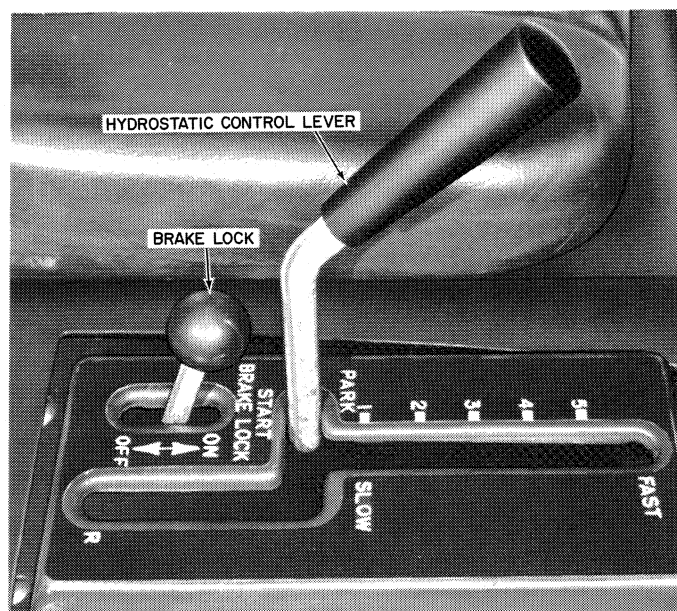


FIGURE 6





FIGURE 7

**NOTE:** ALWAYS REMOVE HAND FROM HYDROSTATIC CONTROL LEVER BEFORE DEPRESSING THE NEUTRALIZER AND BRAKE PEDAL. THE TWO CONTROLS ARE INTERCONNECTED. OPERATING THEM SIMULTANEOUSLY COULD RESULT IN DAMAGED OR MISADJUSTED LINKAGE.

## CLUTCH BRAKE PEDAL (Gear Shift Models) — (Figure 8)

The clutch-brake pedal performs two functions:

1. When depressed to the "midway" range the clutch disengages and the transmission can be shifted to any desired gear.
2. When the clutch-brake pedal is fully depressed, the brake actuates and stops the tractor.

**NOTE:** Always release the pedal slowly for smooth acceleration. Do not allow foot to rest on pedal except for clutching and braking functions.

## BRAKE LOCK — (Figures 6 and 7)

A brake lock is provided on both hydrostatic and gear shift models to prevent the tractor from moving when parked or left unattended.

To lock the brake, push the brake lock forward with the foot pedal fully depressed. Then release the foot pedal. Figure 6 shows the brake lock engaged. Figure 7 shows it disengaged.

**IMPORTANT:** ENGAGE THE BRAKE LOCK BEFORE DISMOUNTING FROM THE TRACTOR OR ANY TIME IT IS LEFT UNATTENDED.

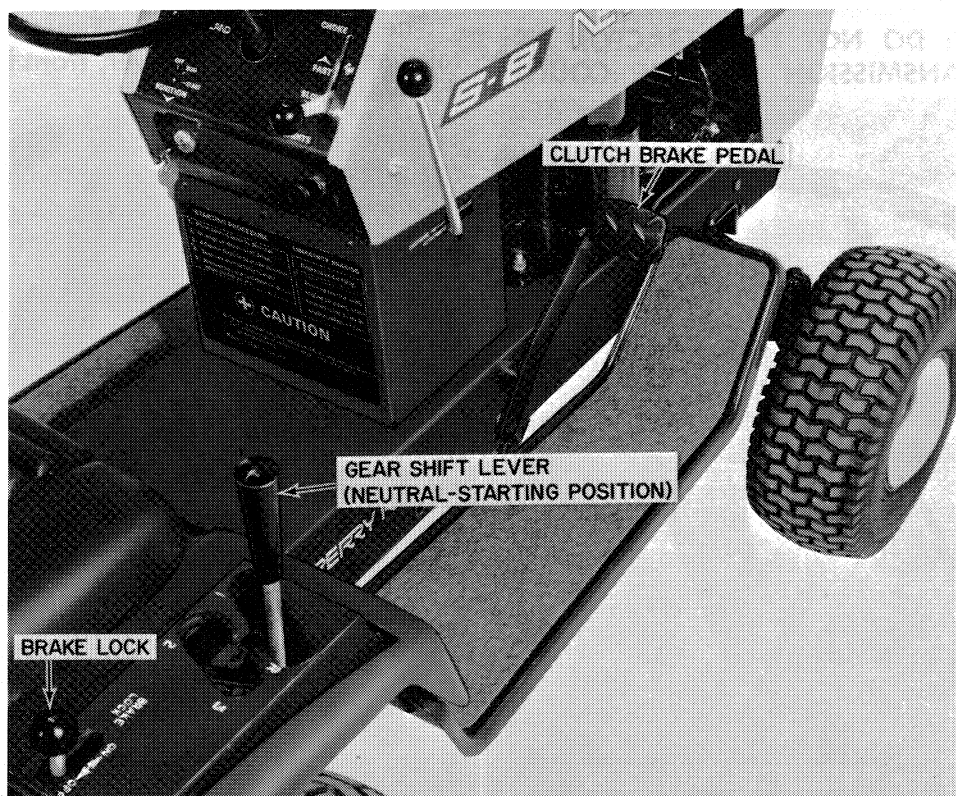


FIGURE 8

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