

[Manuals.plus](#) /

› [Rotary](#) /

› Rotary 9656 PTO Switch Instruction Manual

Rotary 9656

Rotary 9656 PTO Switch Instruction Manual

Model: 9656

Brand: Rotary

1. PRODUCT OVERVIEW

The Rotary 9656 PTO (Power Take-Off) Switch is a multi-application replacement component designed to control the engagement and disengagement of power to various attachments on lawn and garden equipment, such as mower decks. This switch features a push-pull mechanism for operation and a snap-in mount for easy installation. It includes a corner terminal blank and a red knob for clear identification and use.



Figure 1: Front view of the Rotary 9656 PTO switch, illustrating the red knob with engagement and disengagement symbols.

2. SPECIFICATIONS

Feature	Detail
Operation Mode	ON-OFF
Current Rating	10 Amps
Contact Type	Metal
Connector Type	Blade
Switch Type	Push Button
Terminal	Blade
Material	Metal
Dimensions (L x W x H)	3 x 1.75 x 1.25 inches
Circuit Type	Multi-way
Mounting Type	Snap In Mount
Actuator Type	Rotary
Number of Positions	1
Color	Red
International Protection Rating	IP54
Item Weight	0.09 Pounds

3. COMPATIBILITY

The Rotary 9656 PTO switch is designed to replace a wide range of OEM (Original Equipment Manufacturer) part numbers across various brands. Please verify your existing switch's OEM number against the list below to ensure compatibility.

- **CRAFTSMAN/POULAN:** 140404, 146283, 154959, 169416, 169417, 174651, 174653, 532174651
- **HUSQVARNA:** 532154959, 532169417, 539101768, 582107601
- **BAD BOY:** 056-8058-00
- **BOBCAT/RANSOMES:** 1985032
- **BUNTON-GOODALL:** PL7994
- **BUSH HOG:** 50018299
- **DIXON:** 539117238, 539129512
- **DIXON IND.:** 539101768, 539120023, 539129512, 5961
- **ENCORE:** 523030, 523031
- **FERRIS:** 22180, 5022180, 5022182
- **GREAT DANE:** D38005
- **HOWARD:** 02-422
- **HUSTLER:** 77146, 776476

- **MURRAY:** 6201316, 94927
- **SCAG:** 481687, 483162, 483957
- **SIMPLICITY/ALLIS CHA:** 171348, 1713480SM, 1714772, 1716332, 1716332SM, 1722887, 1722887SM
- **SNAPPER/KEES:** 35658, 7035658, 7035658, 7035658YP, 7035658YP
- **WRIGHT:** 52420003
- **YAZOO:** 101768, 539101768

4. INSTALLATION INSTRUCTIONS

Safety First: Always ensure the equipment is turned off, the engine is cool, and the spark plug wire is disconnected before attempting any installation or maintenance to prevent accidental starting and electrical shock.

1. **Prepare Equipment:** Park the equipment on a level surface. Turn off the engine and remove the ignition key. Disconnect the spark plug wire to prevent accidental starting.
2. **Locate Existing Switch:** Identify the current PTO switch on your equipment's dashboard or control panel.
3. **Document Wiring:** Before disconnecting, carefully note the position and color of each wire connected to the existing switch. Taking a photograph is highly recommended for accurate re-connection.
4. **Remove Old Switch:** Gently depress any tabs or clips holding the old switch in place and push it out from the panel. Disconnect all wires from the terminals.
5. **Inspect New Switch:** Compare the new Rotary 9656 switch with the old one, paying close attention to the number and configuration of the blade terminals to ensure they match.
6. **Connect Wiring:** Connect the wires to the corresponding terminals on the new Rotary 9656 switch, following your documented wiring scheme. Ensure all connections are secure.
7. **Install New Switch:** Insert the new switch into the panel opening. The snap-in mount design should secure it firmly in place.
8. **Test Functionality:** Reconnect the spark plug wire. Start the equipment and carefully test the PTO switch to ensure it engages and disengages the attachment correctly and safely.



Figure 2: Rear view of the Rotary 9656 PTO switch, highlighting the blade terminals for wiring connections.

5. OPERATION

The Rotary 9656 PTO switch operates with a simple push-pull mechanism to control the power take-off function of your equipment.

- **To Engage PTO:** Pull the red knob outwards. This action will typically activate the power to the attached implement (e.g., mower blades). The knob may display an 'ON' or engaged symbol (often an upward arrow or a symbol indicating active function).
- **To Disengage PTO:** Push the red knob inwards. This action will deactivate the power to the attached implement. The knob may display an 'OFF' or disengaged symbol (often a downward arrow or a circle).

Always ensure the equipment is in a safe operating condition and clear of obstructions before engaging the PTO. Refer to your equipment's owner's manual for specific safety guidelines related to PTO operation.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your PTO switch.

- **Regular Inspection:** Periodically inspect the switch for any signs of physical damage, such as cracks in the housing or wear on the knob.
- **Check Connections:** Ensure that all wire connections to the switch terminals remain tight and free from corrosion. Loose connections can lead to intermittent operation or failure.
- **Keep Clean:** Keep the switch and surrounding area free from dirt, debris, and moisture. Use a dry cloth to wipe down the switch. Avoid using harsh chemicals or excessive liquids.
- **Functionality Test:** Occasionally test the switch's push-pull action to ensure it moves smoothly and provides a clear tactile response when engaging and disengaging.

7. TROUBLESHOOTING

If you experience issues with your Rotary 9656 PTO switch, consider the following troubleshooting steps:

- **PTO Not Engaging:**

- Check all wiring connections to the switch and the PTO clutch for looseness or corrosion.
- Ensure the equipment's battery is fully charged and providing adequate power.
- Verify that all safety interlock switches (e.g., seat switch, brake switch) are functioning correctly, as they can prevent PTO engagement.
- Test the switch for continuity using a multimeter. With the switch in the 'ON' position, there should be continuity across the relevant terminals. In the 'OFF' position, continuity should be broken.

- **Intermittent PTO Operation:**

- This often indicates a loose or corroded connection. Re-inspect all wiring.
- Internal wear within the switch can also cause intermittent contact. If connections are secure and clean, the switch may need replacement.

- **Switch Feels Stiff or Stuck:**

- Accumulation of dirt or debris around the switch mechanism can impede its movement. Clean the area thoroughly.
- If cleaning does not resolve the issue, the internal mechanism may be worn or damaged, requiring switch replacement.

If these steps do not resolve the issue, it is recommended to consult a qualified service technician or refer to your equipment's specific service manual.

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Rotary 9656 PTO Switch, please refer to the documentation provided at the time of purchase or contact Rotary customer support directly. Warranty terms typically cover manufacturing defects under normal use conditions.

For technical assistance or further inquiries, please reach out to the manufacturer or your authorized dealer.