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› Xtreme X0049 PTO Clutch Instruction Manual - Replacement for Warner 5218-213, 5218-65, 5218-65E, 548-65

Xtreme X0049

Xtreme X0049 PTO Clutch Instruction Manual

Model: X0049 | Brand: Xtreme

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the Xtreme X0049 Power Take-Off (PTO) Clutch. This component is designed for use in various outdoor power equipment, serving as a replacement for specific Warner models and compatible with several equipment brands. Proper installation and maintenance are crucial for ensuring the longevity and safe operation of the clutch.



Image 1.1: Front view of the Xtreme X0049 PTO Clutch, showing the pulley, wiring harness, and engagement mechanism.

2. SPECIFICATIONS

The Xtreme X0049 PTO Clutch features robust construction and specific operational parameters. Verify these specifications match your equipment's requirements before installation.

Specification	Value
Description	PTO Clutch
Crankshaft Diameter	1.125 inches
Pulley Diameter	6.31 inches
Rotation Direction	Clockwise
Belt Type	A/B Belt
Torque Rating	200 ft. lbs.
Product Dimensions	11 x 9 x 6 inches
Item Weight	14 pounds

3. COMPATIBILITY AND REPLACEMENT INFORMATION

The Xtreme X0049 PTO Clutch is designed as a direct replacement for the following original equipment manufacturer (OEM) part numbers and is compatible with the listed equipment models. Always verify the part fits your specific equipment before purchasing and installing.

Replacement For OEM Part Numbers:

- **Bobcat:** 2721337
- **Bunton:** 2721337
- **Exmark:** 1-631732, 103-0501, 103-0665, 631732, E631732
- **Great Dane:** 180265
- **Ingersoll:** 2721337
- **Jacobsen:** 2721337, 33-136
- **Prime:** 7-06278
- **Ransomes:** 2721337
- **Rotary:** 11237
- **Sears Craftsman:** 2721337, 255-552
- **Toro:** 1-631732, 103-0501, 103-0665, 631732, E631732
- **Warner:** 5218-213, 5218-65, 5218-65E, 548-65
- **Woods:** 2721337

Compatible With/Replacement For Equipment Models:

- **Bobcat - Bunton - Ransomes:** 942218E 26hp Briggs, 942219F 26hp Briggs, Predator Pro Series, ProCat Series, ZT 100 Series, ZT200D ZT220ES, ZT218 ZT219, ZT223 ZT225, ZT226 ZT226ES, ZT226EFI, ZT227 ZT228
- **Exmark:** Lazer Z 25 hp Units Serial No. 160,000 to 369,999, Lazer Z EFI Serial No. 160,000 to 369,999
- **Woods:** ME1952K, ME2661B, Model MZ1952K, Model MZ2061YD, Model MZ2252K - MZ2561K, Model MZ2652G MZ3361G, Model MZ2661K(or KL), Model MZ2761

4. KEY FEATURES

The Xtreme X0049 PTO Clutch incorporates several design enhancements for improved performance and durability:

- **Cool Coil Technology:** Designed to reduce heat buildup during operation, contributing to extended clutch life.
- **Heavy Duty "FatBoy Series" Upgrade:** Indicates a robust construction for demanding applications.
- **Replaceable Pulley Bearing:** Allows for easier maintenance and repair of the pulley system.
- **Super Smooth "Xtreme Precision" Machined Pulley:** Ensures efficient power transfer and reduced wear on belts.
- **Upgraded to 3 Layer "Xtreme TOUGH" Integrated, Water Tight, Impact Resistant Wire Harness:** Provides enhanced protection for electrical connections against environmental factors and physical damage.

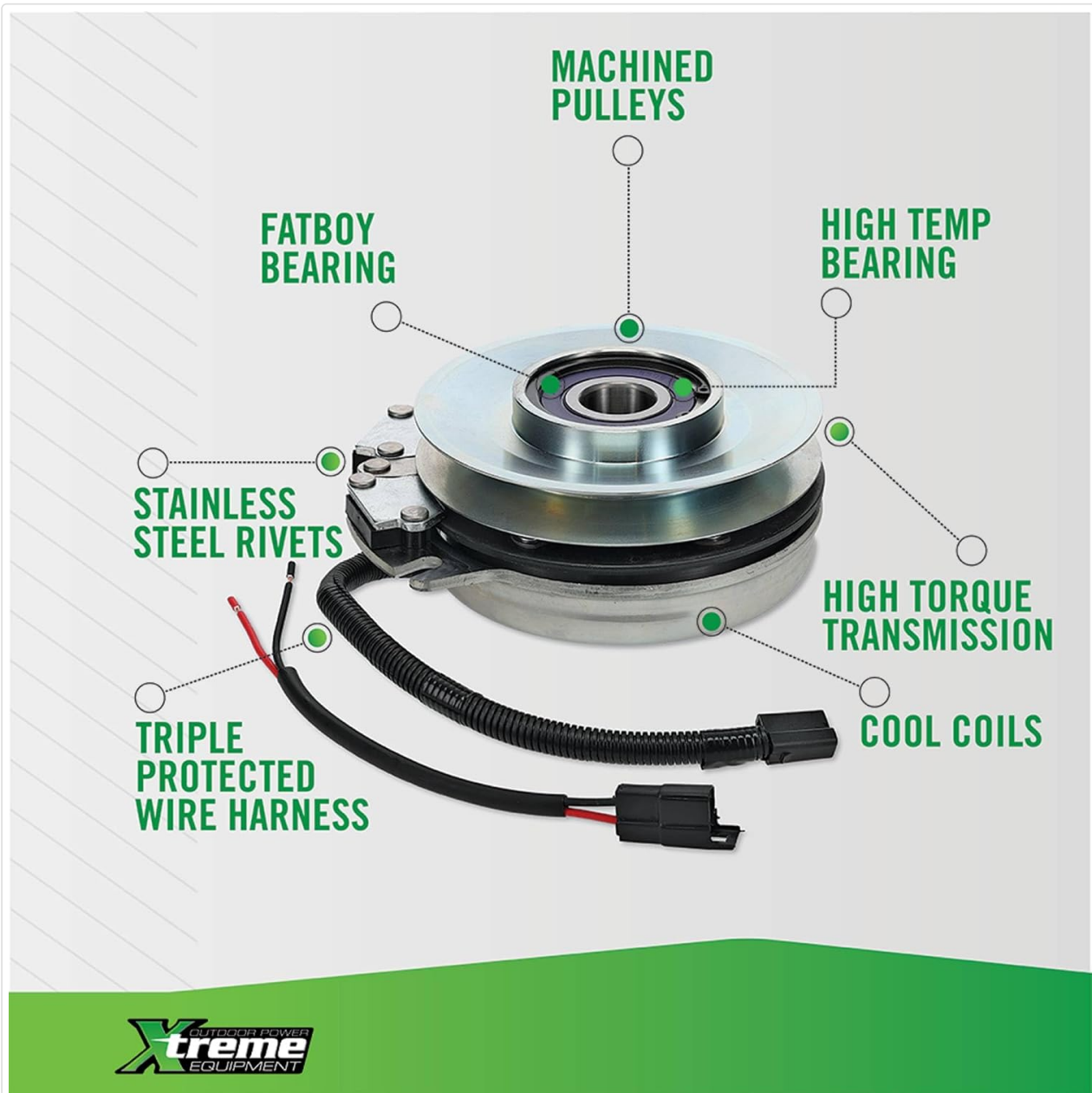


Image 4.1: Diagram highlighting key features such as machined pulleys, Fatboy bearing, high temp bearing, stainless steel rivets, high torque transmission, cool coils, and triple protected wire harness.

PTO CLUTCHES

High Torque Transmission:

Xtreme PTO (Power Take-Off) clutches deliver high torque, reducing over-heating and premature failing for heavy-duty lawn care usage.



Image 4.2: Illustration emphasizing the high torque transmission capability of the Xtreme PTO clutches, designed to reduce overheating and premature failure.

STAINLESS STEEL RIVETS

Premium grade stainless steel brake rivets withstand rigorous conditions better than cheaper aluminum or copper rivets used on some PTO clutches.

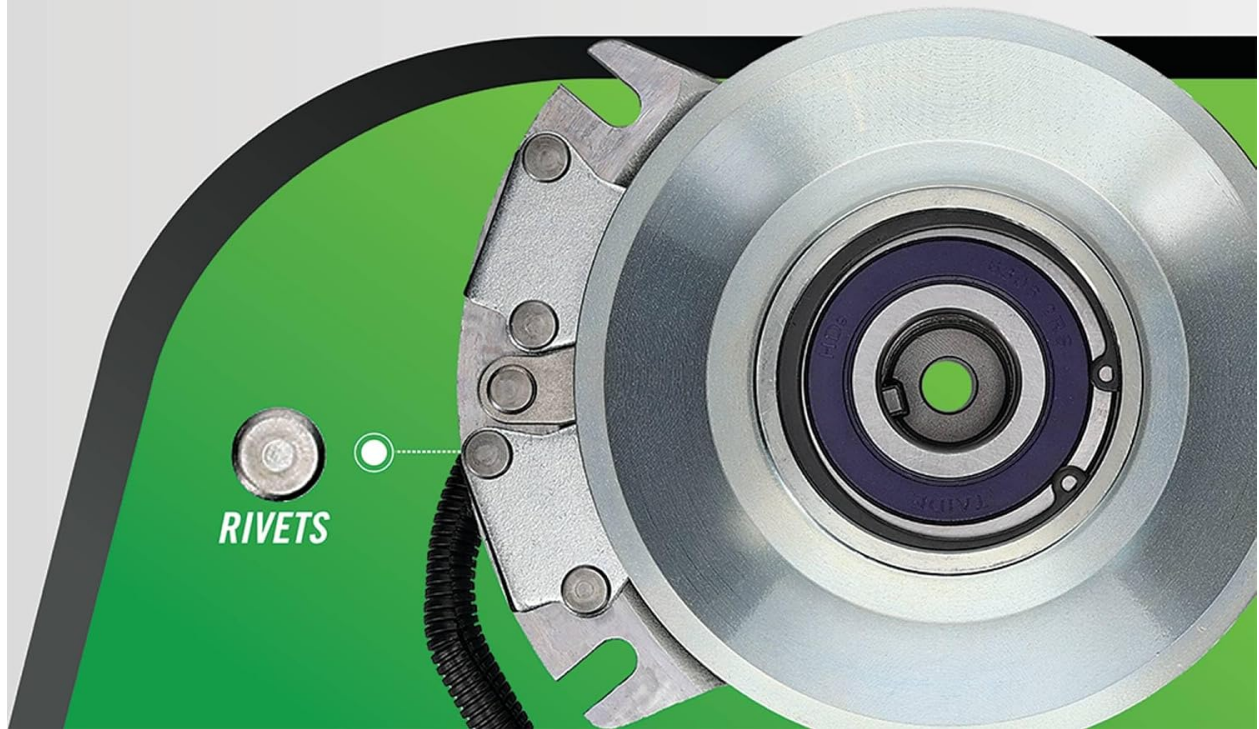


Image 4.3: Close-up view detailing the stainless steel rivets used in the clutch assembly, which offer superior durability compared to other materials.

5. SETUP AND INSTALLATION

Installation of a PTO clutch requires mechanical aptitude and adherence to safety protocols. If you are not confident in your ability to perform this installation, it is recommended to seek assistance from a qualified service technician.

General Installation Guidelines:

1. **Safety First:** Disconnect the spark plug wire(s) or battery to prevent accidental engine starting. Ensure the equipment is on a stable, level surface.
2. **Remove Old Clutch:** Carefully disconnect the wiring harness and mounting bolts of the old PTO clutch. Note the orientation and any shims or spacers.
3. **Inspect Components:** Before installing the new clutch, inspect the crankshaft, keyway, and mounting surface for any damage or wear. Clean any debris.

4. **Install New Clutch:** Position the Xtreme X0049 PTO Clutch onto the crankshaft, ensuring the keyway aligns correctly. Secure it with the appropriate mounting hardware, tightening to the manufacturer's specified torque.
5. **Connect Wiring:** Attach the clutch's wiring harness to the equipment's electrical system. Ensure connections are secure and protected. The Xtreme X0049 features an upgraded 3-layer, water-tight, impact-resistant wire harness for enhanced durability.
6. **Belt Installation:** Route the drive belt(s) around the clutch pulley. Ensure proper tension according to equipment specifications.
7. **Test Operation:** Reconnect the spark plug wire(s) or battery. Start the engine and carefully test the PTO engagement and disengagement in a safe, open area.



Image 5.1: Angled view of the Xtreme X0049 PTO Clutch, highlighting the integrated wiring harness and connectors.



Image 5.2: Close-up of the electrical connectors on the Xtreme X0049 PTO Clutch, designed for secure and protected connections.

6. OPERATING INSTRUCTIONS

The Xtreme X0049 PTO Clutch operates as an engagement mechanism for various attachments on outdoor power equipment. Refer to your equipment's specific owner's manual for detailed operating procedures.

General Operation:

- **Engagement:** To engage the PTO, typically activate the PTO switch or lever on your equipment. The clutch will electrically engage, transferring power to the attached implement (e.g., mower deck blades).
- **Disengagement:** To disengage the PTO, deactivate the PTO switch or lever. The clutch will release, stopping power to the implement.
- **Smooth Operation:** Avoid rapid or harsh engagement/disengagement, which can stress the clutch and drive components.
- **Listen for Abnormalities:** Pay attention to any unusual noises, vibrations, or smells during PTO operation, which may indicate a problem.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your PTO clutch. While the Xtreme X0049 is designed for durability, periodic checks are recommended.

Maintenance Checks:

- **Visual Inspection:** Periodically inspect the clutch for signs of wear, damage, or corrosion. Check the wiring harness for fraying or exposed wires.
- **Pulley and Belt Condition:** Examine the pulley for grooves or damage. Ensure drive belts are in good condition and properly tensioned. The Xtreme X0049 features a replaceable pulley bearing, which can be serviced if needed.
- **Cleanliness:** Keep the clutch free of excessive dirt, grass clippings, and debris, which can impede cooling and operation.
- **Bearing Check:** Listen for any unusual noises from the bearing during operation. A worn bearing may indicate a need for replacement.

8. TROUBLESHOOTING

If you experience issues with your PTO clutch, consider the following common troubleshooting steps. Always ensure safety precautions are followed before inspecting or working on the equipment.

Common Issues and Solutions:

- **Clutch Not Engaging:**
 - Check electrical connections to the clutch for looseness or corrosion.
 - Verify the PTO switch is functioning correctly.
 - Inspect the wiring harness for damage.
 - Ensure the engine is running at the correct RPM for PTO engagement.
- **Clutch Not Disengaging:**
 - Check for mechanical binding or debris preventing disengagement.
 - Inspect the PTO switch and wiring.
- **Excessive Noise or Vibration:**
 - Inspect the pulley bearing for wear.
 - Check for loose mounting bolts.
 - Examine drive belts for wear or improper tension.
 - Ensure the clutch is free of debris.
- **Overheating:**
 - Ensure the clutch area is clear of debris for proper airflow.
 - Verify the clutch is not continuously slipping due to improper belt tension or internal wear.

If troubleshooting does not resolve the issue, consult a qualified service technician.

9. IMPORTANT SAFETY INFORMATION

Always prioritize safety when working with outdoor power equipment and its components. Failure to follow safety guidelines can result in serious injury or equipment damage.

- **Read Equipment Manuals:** Always refer to your equipment's owner's manual for specific safety instructions and procedures related to PTO operation and maintenance.
- **Disconnect Power:** Before performing any inspection, maintenance, or installation on the PTO clutch or related components, ensure the engine is off, the spark plug wire(s) are disconnected, and the battery is disconnected (if applicable).
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE) such as safety glasses, gloves, and sturdy footwear.
- **Stable Work Environment:** Work on a flat, stable surface. Use jack stands if lifting equipment.
- **Beware of Moving Parts:** Keep hands, feet, and clothing clear of all moving parts, especially when the engine is running or the PTO is engaged.
- **Professional Installation:** If you are unsure about any installation or repair procedure, consult a certified technician.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

10. WARRANTY AND SUPPORT

For specific warranty information regarding your Xtreme X0049 PTO Clutch, please refer to the documentation included with your purchase or contact Xtreme customer support directly. Warranty terms typically cover manufacturing defects under normal use conditions.

For technical assistance or further inquiries, please visit the official Xtreme website or contact their customer service department. When contacting support, have your product model number (X0049) and purchase details readily available.