

World Power Systems E47

Instruction Manual

WORLD POWER SYSTEMS MEYER E47 ELECTRO TOUCH SNOW PLOW ANGLE PUMP MOTOR

[Installation](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. Product Overview

This manual provides essential information for the proper installation, operation, and maintenance of your World Power Systems Meyer E47 Electro Touch Snow Plow Angle Pump Motor. Please read these instructions carefully before use to ensure safe and efficient performance.

The Meyer E47 Electro Touch Snow Plow Angle Pump Motor is designed for reliable performance in snow plow applications. It is a 12-volt motor with a counter-clockwise (CCW) rotation, engineered to meet or exceed OEM specifications.



Figure 1: Side view of the Meyer E47 Electro Touch Snow Plow Angle Pump Motor, showing the main cylindrical body and electrical terminals.

Key Features:

- 12 Volt DC operation.
- Counter-Clockwise (CCW) rotation.
- Designed for snow plow angle pump applications.
- Engineered and tested to exceed OEM specifications.
- Compatible with various Meyer Products and Prestolite models.

Compatibility:

This unit is compatible with the following models:

- Meyer Products: 15054
- Prestolite: 46-2001, 46-2415, 46-854, MGL4005, MGL4105, MKW4007
- United Technologies: M0551046A, MM48826, MO551046A, SM48826

2. Setup & Installation

Warning: Installation should be performed by a qualified technician. Disconnect all power sources before beginning installation to prevent electrical shock or damage to the unit.

1. **Safety First:** Ensure the vehicle's battery is disconnected before starting any electrical work.
2. **Remove Old Motor:** Carefully disconnect the wiring from the existing snow plow pump motor. Note the orientation and connection points for positive and negative terminals. Remove any mounting bolts or clamps securing the old motor.
3. **Inspect Mounting Area:** Clean the mounting surface and inspect for any damage or corrosion.
4. **Mount New Motor:** Position the new World Power Systems Meyer E47 motor in the designated location. Secure it using appropriate mounting hardware. Ensure the motor is firmly seated and aligned correctly.
5. **Electrical Connections:**



Figure 2: End view of the Meyer E47 motor, highlighting the electrical terminal posts for connection.

- Connect the positive (+) cable to the positive terminal on the motor.
 - Connect the negative (-) or ground cable to the negative terminal or a suitable ground point on the motor or vehicle chassis.
 - Ensure all connections are clean, tight, and free from corrosion. Use dielectric grease if recommended by the snow plow manufacturer.
 - Verify the motor's rotation is counter-clockwise (CCW) as specified.
6. **Test System:** Reconnect the vehicle's battery. Perform a functional test of the snow plow system to ensure the motor operates correctly and the plow angles as expected. Check for any unusual noises or vibrations.

Refer to your snow plow's specific service manual for detailed wiring diagrams and installation procedures.

3. Operating Instructions

The Meyer E47 Electro Touch Snow Plow Angle Pump Motor functions as part of your snow plow's

hydraulic system. Its operation is typically controlled via the snow plow's in-cab controls.

1. **Familiarize Yourself:** Before operating, ensure you are familiar with your snow plow's specific control system and safety procedures.
2. **Power On:** Turn on the snow plow's power system.
3. **Engage Plow:** Use the snow plow controls to engage the hydraulic pump. The motor will activate to provide power for angling the plow blade.
4. **Monitor Performance:** During operation, listen for any unusual sounds from the motor or hydraulic system. If the motor struggles or makes excessive noise, discontinue use and investigate the cause.
5. **Avoid Overloading:** Do not attempt to force the plow into immovable objects or exceed its design limits, as this can strain the motor and hydraulic system.

Always follow the operating guidelines provided by your snow plow manufacturer.

4. Maintenance

Regular maintenance helps ensure the longevity and reliable performance of your snow plow pump motor.

- **Visual Inspection:** Periodically inspect the motor for any signs of physical damage, loose wiring, or corrosion on the terminals.
- **Cleanliness:** Keep the motor free from dirt, snow, ice, and debris. A clean motor dissipates heat more effectively.
- **Electrical Connections:** Check all electrical connections for tightness and corrosion, especially before and after the snow season. Clean terminals with a wire brush if necessary and apply a protective coating.
- **Mounting Hardware:** Ensure all mounting bolts and fasteners are secure.
- **Professional Check:** Consider having your snow plow's hydraulic and electrical systems, including the motor, inspected by a professional annually.

5. Troubleshooting

If you encounter issues with your snow plow pump motor, refer to the following basic troubleshooting steps. For complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Motor does not run or runs slowly.	• Low battery voltage. • Loose or corroded electrical connections. • Faulty wiring or switch. • Motor overload or internal fault.	• Check vehicle battery charge. • Inspect and clean all electrical connections. • Test wiring and switches for continuity. • If motor is hot, allow to cool. If problem persists, professional inspection is needed.
Motor makes unusual noise.	• Bearing wear. • Foreign object in motor. • Misalignment.	• Discontinue use and have motor inspected by a professional. • Check for obstructions.

Problem	Possible Cause	Solution
Plow angles slowly or weakly.	• Low hydraulic fluid. • Hydraulic system issues (e.g., leaks, pump issues). • Motor not providing sufficient power.	• Check and refill hydraulic fluid. • Inspect hydraulic lines and pump. • Verify motor connections and power supply.

6. Specifications

Attribute	Value
Brand	World Power Systems
Model	Meyer E47 (Compatible with various models)
Voltage	12 Volts DC
Rotation	Counter-Clockwise (CCW)
Case Diameter	3 inches
Item Weight	6.4 pounds
Manufacturer	World Power Systems
UPC	769407694990
ASIN	B0F4XXZD2M

7. Warranty & Support

This World Power Systems product is a 100% brand new replacement, engineered and tested to exceed OEM specifications, ensuring high quality and reliability.

For specific warranty details, please refer to the documentation provided at the time of purchase or contact the seller directly. Many sellers offer extended protection plans for added peace of mind.

For technical support or inquiries, please contact your point of purchase or the manufacturer, World Power Systems. The seller, BuyMCR, has been serving customers since 1963 and can assist with product-related questions.

Seller Contact: For support related to your purchase, you may contact the seller[BuyMCR](#).