

fisher minute mount 2 plow wiring diagram

Fisher Minute Mount 2 Plow Wiring Diagram is an essential topic for anyone who owns a Fisher plow system. Understanding the wiring diagram is critical for installation, maintenance, and troubleshooting of the plow's electrical components. This article will provide a comprehensive guide to the wiring diagram, including its components, functions, installation tips, and troubleshooting advice.

Understanding the Fisher Minute Mount 2 System

The Fisher Minute Mount 2 is a popular plow system designed for efficiency and reliability. Its innovative design allows for quick attachment and detachment from the vehicle, making it ideal for snow removal and other applications.

Key Components of the Minute Mount 2

1. Plow Frame: The structural component that connects to the vehicle.
2. Blade: The actual snow plow blade that clears snow.
3. Lift Cylinder: Raises and lowers the blade.
4. Angle Cylinder: Adjusts the angle of the blade for effective snow management.
5. Wiring Harness: The network of wires that connects all electrical components.
6. Control Switch: The mechanism used by the operator to manage plow functions.
7. Battery: Powers the plow's electrical system.

Wiring Diagram Overview

The wiring diagram for the Fisher Minute Mount 2 plow is a detailed representation of the electrical connections between various components. Understanding this diagram is crucial for anyone looking to install or repair the plow.

Components of the Wiring Diagram

The wiring diagram typically includes the following components:

- Power Supply: Indicates where the battery connects to the system.
- Ground Connections: Essential for completing the electrical circuit.
- Control Circuit: Shows how the switch communicates with the plow motors.
- Motor Connections: Details how the lift and angle motors are wired.

Wiring Color Codes

To effectively read the wiring diagram, it's important to familiarize yourself with the common color codes used in Fisher plow systems:

- Red Wires: Power supply
- Black Wires: Ground connections
- Green Wires: Lift functions
- Blue Wires: Angle functions
- Yellow Wires: Control connections

Installation of the Fisher Minute Mount 2 Wiring System

Proper installation of the wiring system is critical for the functionality of the plow. Here's a step-by-step guide to help with the installation.

Step-by-Step Installation

1. Gather Necessary Tools and Materials:

- Wiring diagram
- Wire strippers
- Crimping tool
- Electrical tape
- Connectors
- Multimeter

2. Disconnect the Battery:

- Always start by disconnecting the vehicle's battery to prevent electrical shorts.

3. Install the Control Switch:

- Mount the control switch in a convenient location inside the vehicle.
- Follow the wiring diagram to connect the switch to the battery and ground.

4. Connect the Wiring Harness:

- Route the wiring harness from the control switch to the plow motor.
- Ensure that the harness is securely fastened and protected from potential damage.

5. Wire the Lift and Angle Motors:

- Connect the lift motor wires according to the wiring diagram, ensuring correct polarity.
- Repeat the process for the angle motor.

6. Connect the Power Supply:

- Attach the positive lead from the battery to the power input on the plow wiring harness.
- Connect the ground wire to a suitable grounding point on the vehicle.

7. Test the System:

- Reconnect the battery and test the operation of the plow using the control switch.
- Check all functions: lift, lower, and angle adjustments.

Troubleshooting Common Wiring Issues

Even with proper installation, issues can arise in the wiring system. Here are some common problems and solutions.

Common Wiring Problems

1. No Power to the Plow:

- Check Battery Connection: Ensure the battery is connected properly.
- Inspect Fuses: Check for blown fuses in the vehicle and plow system.
- Examine Ground Connections: A poor ground can lead to no power.

2. Inoperative Lift or Angle Functions:

- Check Switch Operation: Ensure the control switch is functioning correctly.
- Inspect Motor Connections: Loose or damaged connections can prevent motor activation.
- Test Motors: Use a multimeter to check the voltage at the motor terminals.

3. Intermittent Operation:

- Check Wiring for Damage: Look for frayed wires or poor connections.
- Inspect Relay Functionality: Ensure that relays are working as intended.

Maintenance Tips for Wiring System

Regular maintenance of the wiring system can extend the lifespan of your Fisher Minute Mount 2 plow.

Maintenance Checklist

- Regularly Inspect Wiring: Look for signs of wear, fraying, or corrosion.
- Clean Connections: Ensure that all connections are free from dirt and debris.
- Check Fuses: Periodically inspect fuses for damage or wear.
- Test Functionality: Before each use, test the control switch and all functions of the plow.

Conclusion

Understanding the Fisher Minute Mount 2 plow wiring diagram is essential for anyone involved in the

installation, maintenance, or troubleshooting of this snow plow system. By familiarizing yourself with the components, wiring connections, and common issues, you can ensure that your plow operates efficiently and effectively throughout the winter season. Whether you're a seasoned professional or a DIY enthusiast, having this knowledge will help you keep your plow in top condition.

Frequently Asked Questions

What is the Fisher Minute Mount 2 plow wiring diagram used for?

The Fisher Minute Mount 2 plow wiring diagram is used to guide users in properly connecting the electrical components of the plow to their vehicle, ensuring safe and effective operation.

Where can I find a reliable Fisher Minute Mount 2 plow wiring diagram?

Reliable wiring diagrams for the Fisher Minute Mount 2 plow can often be found in the owner's manual, on the Fisher Engineering website, or through authorized Fisher dealers.

What common issues can arise from incorrect wiring of the Fisher Minute Mount 2 plow?

Incorrect wiring can lead to issues such as the plow not functioning, electrical shorts, blown fuses, or damage to the vehicle's electrical system.

What tools do I need to follow the Fisher Minute Mount 2 plow wiring diagram?

To follow the wiring diagram, you will typically need a multimeter, wire strippers, crimping tools, and basic hand tools like wrenches and screwdrivers.

Are there any online forums or communities that discuss Fisher Minute Mount 2 plow wiring?

Yes, there are several online forums and communities, such as the Snow Plow Forums and various Facebook groups, where users share experiences and tips regarding Fisher Minute Mount 2 plow wiring.

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