HNARL 4461016

JLG Connector Male 14 Pin Instruction Manual

Brand: **HNARL** | Model: **4461016**

1. Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of the HNARL JLG Connector Male 14 Pin, Part Number 4461016. Adherence to these guidelines will ensure optimal performance and longevity of the connector in compatible JLG aerial lift machines.

Please read this manual thoroughly before attempting any installation or maintenance procedures.

2. Product Overview

The JLG Connector Male 14 Pin (Part Number 4461016) is a robust electrical component designed for secure and reliable connections within specific JLG aerial lift machines. It features 14 pins for signal and power transmission.



Figure 2.1: Front view of the JLG 14-pin male connector, highlighting the pin configuration and labeling.



Figure 2.2: Side profile of the connector, illustrating its robust construction and threaded body for installation.



Figure 2.3: Angled view of the connector, showcasing the mounting flange and overall dimensions.

3. Specifications

Attribute	Detail
Part Number	4461016
Connector Type	Male, 14 Pin
Approximate Length	80 mm
Approximate Width	80 mm
Approximate Height	80 mm

Attribute	Detail
Approximate Weight	0.4 kg
Manufacturer	HNARL
Country of Origin	China
UPC	765147457079

4. Compatibility

This JLG Connector Male 14 Pin (Part Number 4461016) is designed for direct compatibility with the following JLG aerial lift machine models:

- JLG 1930ES
- JLG 2030ES
- JLG 2630ES
- JLG 2646ES
- JLG 3246ES
- JLG E300A
- JLG E300AJ
- JLG E300AJP

Ensure your machine model is listed above to guarantee proper fit and function.

5. Installation

Proper installation is crucial for the safe and effective operation of the JLG Connector. It is highly recommended that installation be performed by qualified and experienced personnel familiar with JLG machinery and electrical systems.

Installation Steps:

1. **Safety First:** Ensure the JLG machine is completely powered off, de-energized, and secured according to the manufacturer's safety guidelines. Disconnect the battery if necessary to prevent accidental power-up.
2. **Locate Receptacle:** Identify the corresponding female receptacle on the JLG machine where the 14-pin male connector will be installed.
3. **Inspect Components:** Before installation, visually inspect both the new male connector and the machine's receptacle for any damage, bent pins, or debris. Clean if necessary.
4. **Align and Insert:** Carefully align the 14 pins of the male connector (Part 4461016) with the corresponding holes in the female receptacle. Gently push the connector into place, ensuring it slides in smoothly without excessive force.
5. **Secure Connection:** Once fully seated, secure the connector using any integrated locking mechanisms, threaded collars, or fasteners present on the connector or the machine's receptacle. Tighten securely but do not overtighten.

6. **Verify Connection:** Perform a firm tug test to ensure the connection is secure and free from any looseness. Visually confirm that the connector is fully engaged and flush.
7. **Final Check:** Before restoring power, conduct a final visual inspection to ensure no wires are pinched, exposed, or improperly routed.

6. Maintenance

Regular inspection and proper maintenance are essential to ensure the long-term reliability and performance of the JLG Connector. Always ensure the machine is powered off and de-energized before performing any maintenance.

- **Cleaning:** Periodically inspect the connector for accumulation of dirt, dust, moisture, or debris. Use a clean, dry, lint-free cloth to wipe down the exterior. For internal pin cleaning, if necessary, use a specialized electrical contact cleaner (non-conductive and residue-free) and a non-abrasive brush. Allow to dry completely before re-connecting.
- **Visual Inspection:** Regularly check for any signs of physical wear, cracks, corrosion on the pins or housing, bent pins, or discoloration. Pay close attention to the integrity of the cable entry points.
- **Connection Integrity:** Verify that the connector remains securely seated in its receptacle and that there is no excessive play or movement. If a locking mechanism is present, ensure it is functioning correctly and providing a firm lock.
- **Environmental Protection:** If the connector is exposed to harsh environments (e.g., excessive moisture, dust, chemicals), consider additional protective measures as recommended by the JLG machine manufacturer.

7. Troubleshooting

This section outlines common issues that may arise with the JLG Connector and provides potential solutions. For complex issues, consult a qualified technician or the JLG machine's service manual.

Problem	Possible Cause	Solution
Loose Connection	Improper seating; worn or damaged locking mechanism; vibration.	Ensure connector is fully seated and locked. Inspect locking mechanism for damage and replace if necessary. Check for excessive vibration in the machine.
Intermittent Electrical Function	Corroded or dirty pins; damaged internal wiring; loose connection.	Inspect pins for corrosion or dirt and clean thoroughly. Check for continuity in associated wiring. Re-seat connector firmly.
Connector Will Not Seat Fully	Misalignment; bent or damaged pins; obstruction in receptacle.	Verify correct orientation and alignment. Carefully inspect pins for bends and straighten gently if possible, or replace the connector if pins are severely damaged. Remove any foreign objects from the receptacle.
Visible Damage to Connector Housing	Physical impact; exposure to harsh chemicals or extreme temperatures.	If the housing is cracked or severely damaged, the connector's integrity may be compromised. Replace the connector immediately to prevent electrical hazards or malfunction.

8. Warranty and Support

HNARL is committed to customer satisfaction. This product is backed by a 100% customer satisfaction guarantee. If you encounter any problems with your purchase, or have questions regarding the JLG Connector Male 14 Pin (Part Number 4461016), please do not hesitate to contact HNARL customer support.

For direct support inquiries or to explore other aerial lift parts, please visit the official HNARL store on Amazon: **HNARL Amazon Store**

We aim to resolve any issues within 24 hours.

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