Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

HIRINTOL G3502B G3608 G3612 G3616

Instruction Manual

HIRINTOL Control Gp-Programmed Monitor

Model: **274-8748, 2748748**

1. Product Overview

The HIRINTOL 274-8748 Control Gp-Programmed Monitor is a critical component designed for various Caterpillar heavy equipment and engines. This remanufactured unit serves as a direct replacement part, providing essential monitoring and control functions for optimal machine performance. It features a durable construction of metal and plastic, engineered to withstand demanding operational environments.



Figure 1.1: Front view of the Control Gp-Programmed Monitor, showing the display screen and control buttons.

2. Key Features

- **Direct Replacement:** Designed as a direct replacement for part numbers 274-8748 and 2748748.

- **Intuitive Interface:** Features a simple and intuitive interface for easy operation, allowing users to monitor and control the running status and various parameters of the equipment.
- **Durable Construction:** Constructed from high-quality materials, ensuring durability and reliability in harsh working environments and continuous use.
- **Broad Compatibility:** Compatible with a wide range of Caterpillar engines and heavy machinery.

3. Compatibility

This Control Gp-Programmed Monitor is compatible with various Caterpillar models, including but not limited to:

- **Engines:** C6.6, C4.4, C7.1, C15, C18, C27, C32, 3412E, G3520J, C175, G3508J, G3512J, G3516, 3508, 3508B, G3606, G3608, G3612, G3520B
- **Off-Highway Trucks:** 777E, 773E, 793F, 794 AC, 770G, 772G, 797F, 773GC, 798AC, 777D, 777B, 773G LRC, 795F-AC, 789D, 773G, 775G, 777G
- **Wheel Loaders:** 993K, 992K, 993K, 994H
- **Wheel Dozers:** 854K
- **Asphalt Pavers:** AP500E, BG500E, AP555E, BG555E, AP600D, AP655D, BG-600D, BG-655D, AP1000E, BG1000E, AP1055E, BG1055E

4. Setup and Installation

Proper installation and programming of the Control Gp-Programmed Monitor are crucial for its correct function. It is strongly recommended that installation and programming be performed by an experienced technician.

4.1 Pre-Installation Requirements

1. Ensure the equipment is powered off and secured before beginning installation.
2. Gather the original module part number and a picture of the original unit.
3. Note the vehicle model and serial number, as well as the engine model and serial number. This information will be required for programming.

4.2 Installation Steps

1. Carefully remove the existing monitor unit from its housing.
2. Disconnect all electrical connectors from the old unit. Observe the orientation and connection points.
3. Align the new HIRINTOL 274-8748 monitor with the mounting points.
4. Connect all electrical harnesses to the corresponding ports on the new monitor. Ensure connections are secure and properly seated.



Figure 4.1: Rear view of the monitor, highlighting the main electrical connector.



Figure 4.2: Detailed view of the multi-pin electrical connector, showing the pin configuration.

4.3 Programming

Programming of the module is required for it to function correctly with the engine. Each engine has specific requirements, and the module must be programmed to match these specifications. This step typically involves specialized diagnostic tools and software.

5. Operating Instructions

The Control Gp-Programmed Monitor provides a user-friendly interface for monitoring and controlling various aspects of your Caterpillar equipment. Once installed and programmed, the monitor will display critical operational data.



Figure 5.1: Front panel of the monitor, illustrating the display and control buttons.

5.1 Interface Navigation

The monitor features a central display screen and an array of buttons on both sides for navigation and input. While specific button functions may vary slightly based on the equipment model and programming, common controls include:

- **Arrow Buttons:** Used for navigating through menus and adjusting values.
- **OK Button:** Confirms selections or enters sub-menus.
- **Menu/Home Button:** Returns to the main menu or home screen.
- **Function Buttons (Left Side):** Typically assigned to specific functions or quick access to frequently used screens.

Refer to your equipment's specific operational manual for detailed instructions on navigating the monitor's interface and interpreting displayed information.

6. Maintenance

The HIRINTOL Control Gp-Programmed Monitor is designed for durability and reliability. Regular maintenance of the surrounding environment and connections will help ensure its longevity and optimal performance.

- **Cleaning:** Keep the monitor screen and buttons clean using a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the display or housing.
- **Connection Checks:** Periodically inspect electrical connections to ensure they remain secure and free from corrosion.
- **Environmental Protection:** While designed for harsh environments, protect the unit from excessive moisture, dust, and extreme temperatures when possible.

7. Troubleshooting

If you encounter issues with the Control Gp-Programmed Monitor, consider the following general troubleshooting steps. For complex problems, professional assistance is recommended.

- **No Display/Power:**
  - Check all power connections to the monitor and the equipment's electrical system.
  - Verify that the equipment's main power supply is active.
  - Inspect fuses related to the monitor's power supply.
- **Incorrect Readings/Malfunctions:**
  - Ensure the module was correctly programmed for your specific engine and equipment model. Reprogramming may be necessary.
  - Check for loose or corroded electrical connections.
  - Consult your equipment's diagnostic codes if available, as they may indicate underlying issues.
- **Buttons Unresponsive:**
  - Ensure the monitor is receiving power.
  - Check for any physical obstructions or damage to the buttons.

If troubleshooting steps do not resolve the issue, contact a qualified technician or the product supplier for further assistance.

8. Specifications

Attribute	Detail
Part Name	Control Gp-Programmed Monitor
Condition	Remanufactured
Material	Metal, Plastic
Item Condition	Aftermarket Part
Way of Use	Direct Replacement
Reference Numbers	274-8748, 2748748
Manufacturer	HIRINTOL
Item Weight	4 pounds
Product Dimensions	1.97 x 1.18 x 1.57 inches
Item Model Number	G3502B G3608 G3612 G3616

9. Warranty and Support

This Control Gp-Programmed Monitor comes with a**12-month warranty period**. During this period, repair or replacement services will be provided for any problems encountered with the product.

For technical support, warranty claims, or further inquiries, please contact your original point of purchase or the HIRINTOL customer service department. When contacting support, please have your product model number (274-8748) and purchase details readily available.

Please note that any custom or import taxes are the buyer's responsibility.

© 2024 HIRINTOL. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0D5QMVQ9P

More documents and user manuals: **https://manuals.plus/**