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FridayParts 105739, 105739GT

FridayParts 24V 25A Battery Charger Instruction Manual

Model: **105739, 105739GT** | Brand: **FridayParts**

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your FridayParts 24V 25A Battery Charger. This aftermarket charger is designed to be compatible with various Genie Lift models, including GR-08, GR-12, GR-15, GR-20, and GRC-12. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electric shock, fire, or injury.

- **Electrical Safety:** Ensure the charger is connected to a properly grounded outlet. Do not operate the charger if the power cord or output cables are damaged. Avoid contact with water or wet surfaces.
- **Ventilation:** The charger generates heat during operation. Ensure adequate ventilation around the unit to prevent overheating. Do not cover the charger or place it in an enclosed space.
- **Battery Compatibility:** This charger is designed for 24V battery systems. Do not attempt to charge batteries with different voltage ratings.
- **Explosive Gases:** Batteries can produce explosive gases. Charge in a well-ventilated area. Avoid open flames, sparks, or smoking near the battery.
- **Personal Protective Equipment:** Wear eye protection and gloves when working with batteries.
- **Disconnecting:** Always disconnect the AC power from the charger before disconnecting the battery cables.

3. PRODUCT OVERVIEW

The FridayParts 24V 25A Battery Charger is a robust unit designed for industrial applications, featuring a durable black casing with heat dissipation fins. It includes an AC input power cord, DC output cables with ring terminals, and an interlock cable.

3.1 Components

- Battery Charger Unit (Model QB2425)
- AC Input Power Cord (with standard 3-prong plug)
- DC Output Cables (Red for positive, Black for negative, with ring terminals)
- Interlock Cable (Yellow wires with spade connectors)



Figure 1: Overview of the FridayParts 24V 25A Battery Charger with its input and output cables.

3.2 Product Dimensions



Figure 2: The charger measures approximately 20.5 cm (8.07 inches) in length, 16.5 cm (6.49 inches) in height, and 18 cm (7.08 inches) in width. The output cables extend approximately 21 cm (8.26 inches).

3.3 Product Label and Indicators

The charger features a label on its side providing model information, input/output specifications, and charging status indicators.



Figure 3: Detailed view of the charger's label, displaying model QB2425, input/output specifications, and charging status icons.



4. SETUP

Follow these steps to properly set up your battery charger:

- Placement:** Place the charger on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Battery Connection:** Connect the DC output cables to the battery terminals. Ensure the **RED** cable (positive, +) is connected to the positive battery terminal and the **BLACK** cable (negative, -) is connected to the negative battery terminal. Ensure connections are secure.
- Interlock Connection:** If your equipment requires an interlock signal, connect the yellow interlock wires to the appropriate terminals on your Genie Lift. Refer to your Genie Lift's manual for specific interlock wiring diagrams.
- AC Power Connection:** Once the battery and interlock (if applicable) are securely connected, plug the AC input power cord into a standard, grounded 100-240V AC, 50/60Hz electrical outlet.



Figure 4: The charger's AC input and DC output cables, ready for connection to power and battery.

5. OPERATING INSTRUCTIONS

After proper setup, the charger will begin its operation automatically.

- 1. Initiating Charge:** Once the AC power is connected and the battery cables are properly attached, the charger will automatically detect the battery and begin the charging cycle.
- 2. Monitoring Charge Status:** Refer to the indicator lights on the charger's label (refer to Figure 3) to monitor the charging progress:
 - **Power Indicator ():** Illuminates when the charger is receiving AC power.
 - **Charging Status Indicators (█████):** A series of bars that illuminate to indicate the battery's charge level. More bars indicate a higher charge.
 - **Full Charge Indicator (100%):** Illuminates when the battery has reached a full charge. The charger will then switch to a float charge mode to maintain the battery.
 - **AC/DC Indicators:** Indicate whether the charger is operating on AC input or providing DC output.
- 3. Completing Charge:** Once the 100% indicator light is on, the battery is fully charged. You may leave the charger connected for maintenance charging, or disconnect it.
- 4. Disconnecting:** First, unplug the AC power cord from the wall outlet. Then, disconnect the DC output cables from the

battery terminals.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your charger.

- **Cleaning:** Periodically wipe the exterior of the charger with a dry, soft cloth to remove dust and debris. Do not use liquid cleaners or solvents.
- **Cable Inspection:** Regularly inspect the AC power cord and DC output cables for any signs of damage, fraying, or exposed wires. Replace damaged cables immediately.
- **Ventilation:** Ensure the cooling fins and ventilation openings are free from obstructions to allow proper airflow.
- **Storage:** When not in use, store the charger in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your charger, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Charger not turning on / No indicator lights	No AC power; Faulty power cord; Loose connection	Check AC outlet and power cord connection; Test outlet with another device; Inspect power cord for damage.
Charger not charging battery	Incorrect battery connection; Battery deeply discharged or faulty; Incorrect battery voltage	Verify correct polarity (+ to +, - to -) and secure connections; Have battery tested by a professional; Ensure battery is 24V.
Charger overheating	Poor ventilation; Overload	Ensure charger is in a well-ventilated area; Clear any obstructions from cooling fins; Ensure battery capacity is within charger's limits.
Charger making unusual noises	Internal component issue	Disconnect power immediately and contact support. Do not attempt to repair.

8. SPECIFICATIONS

Technical specifications for the FridayParts 24V 25A Battery Charger:

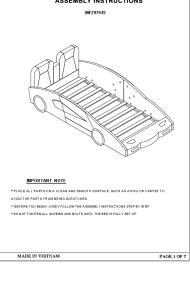
Feature	Specification
Part Numbers	105739, 105739GT

Feature	Specification
Model	QB2425
Input Voltage	100-240V AC, 50/60Hz, 9A (Autoselect Dual AC Input)
Output Voltage	24V DC
Output Current	25A
Output Power	700WATT
Compatibility	Genie Lift GR-08, GR-12, GR-15, GR-20, GRC-12 (and specific serial number ranges as detailed in product description)
Color	Black

9. WARRANTY AND SUPPORT

This product is an aftermarket replacement part. For specific warranty information, please refer to the terms and conditions provided by your point of purchase or the seller, FridayParts. If you encounter any issues or require technical assistance, please contact the seller directly through the platform where the purchase was made. Ensure you have your order details and the product's part number (105739 or 105739GT) ready when contacting support. For further application details or specific serial number compatibility, please refer to the comprehensive product description provided by the seller.

Related Documents - 105739, 105739GT

	<p>Instant Pot Max Series User Manual: Your Guide to Smart Cooking</p> <p>Explore the Instant Pot Max Series User Manual for comprehensive instructions, safety guidelines, and tips on using your smart multi-cooker for efficient and delicious home cooking.</p>
	<p>WF297945 Race Car Bed Assembly Instructions FridayParts</p> <p>Detailed assembly instructions for the WF297945 Race Car Bed by FridayParts. Includes part lists, hardware lists, and step-by-step guidance for safe and easy setup.</p>

