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Tapa TM402HB8750

Tapa Inverter Module Instruction Manual

Model: TM402HB8750
Brand: Tapa

1. Product Overview

This manual provides essential information for the Tapa Inverter Module, designed as a replacement part for specific Harbor Freight Predator 8750/7000 Watt Inverter Generators. This module is crucial for the proper functioning of your generator's power output and regulation.

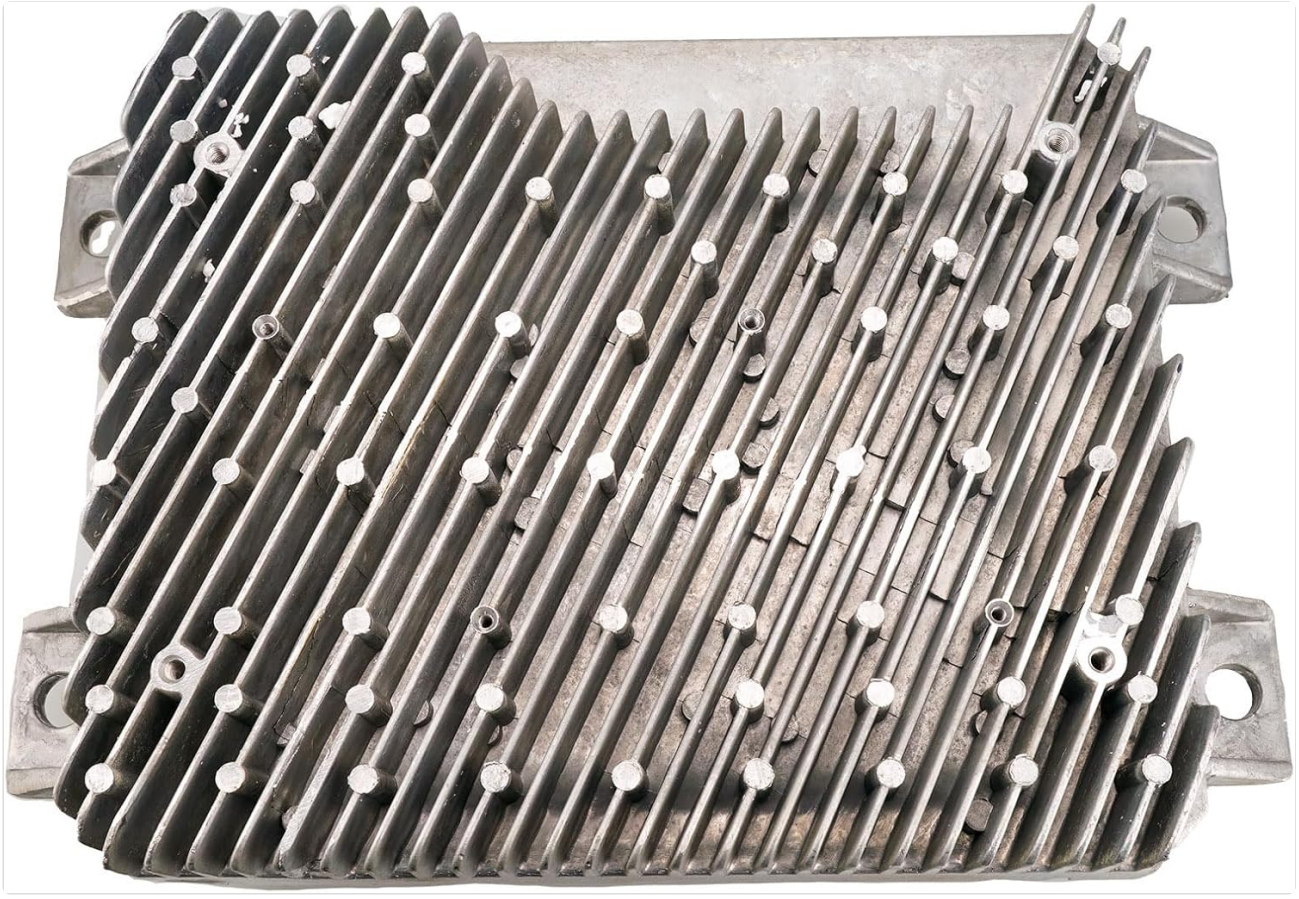


Figure 1.1: Top view of the Tapa Inverter Module, showing the heat sink fins.

2. Compatibility Verification

CRITICAL: Before installation, it is imperative to verify that this Tapa Inverter Module is compatible with your specific Harbor Freight Predator 8750/7000 Watt Inverter Generator. There are different inverter board versions for these generators that are not interchangeable. Carefully compare your existing module with the details provided below.

- This module features **4 copper coils**.
- This module features **6 capacitors**.
- This module has **3 main connectors/plugs**.

If your existing module has 2 copper coils and 4 capacitors, this module is NOT compatible. Refer to the comparison images below to ensure correct identification.

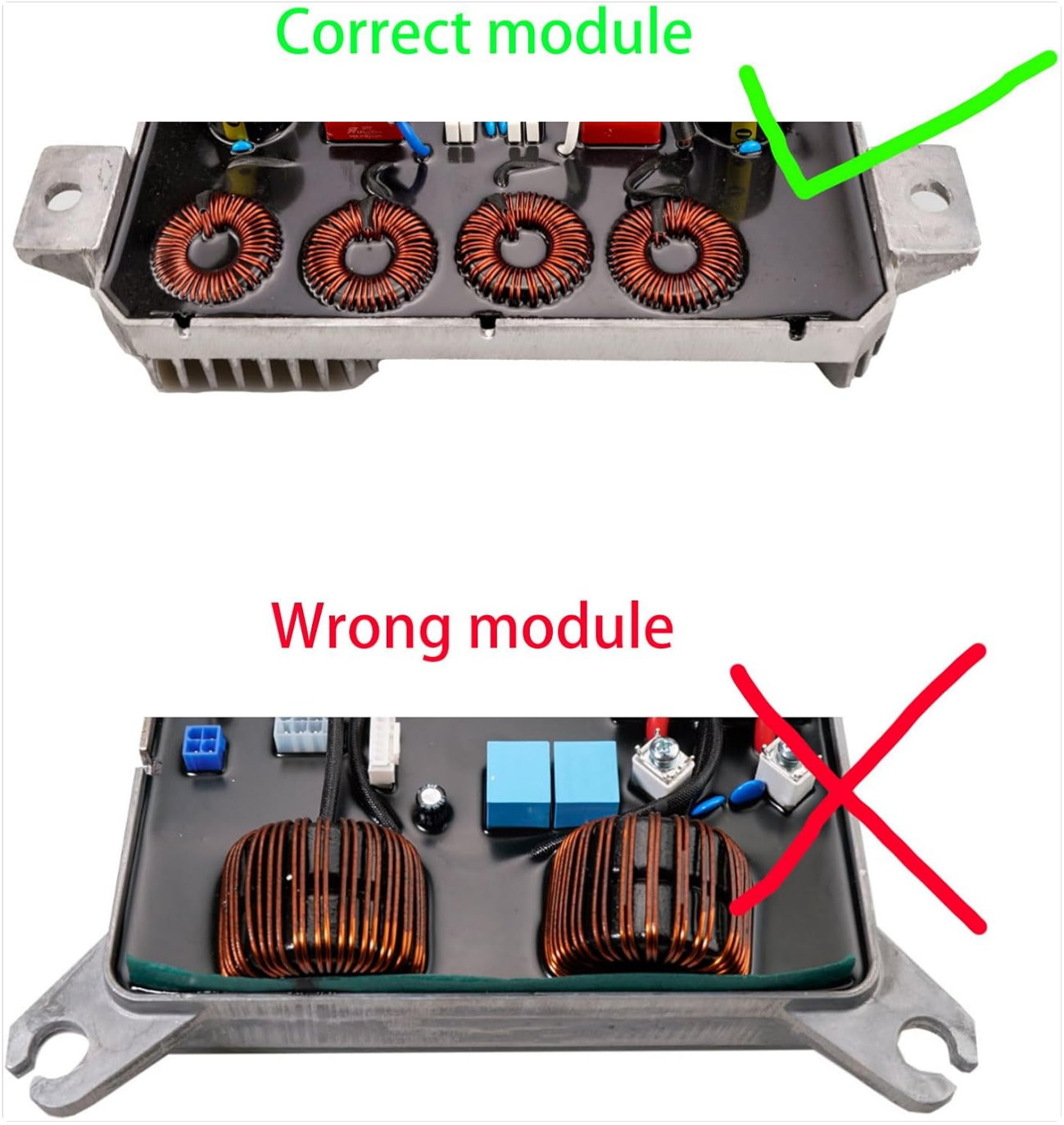


Figure 2.1: Comparison of inverter modules based on copper coil count. Ensure your module matches the 'Correct module' with 4 coils.

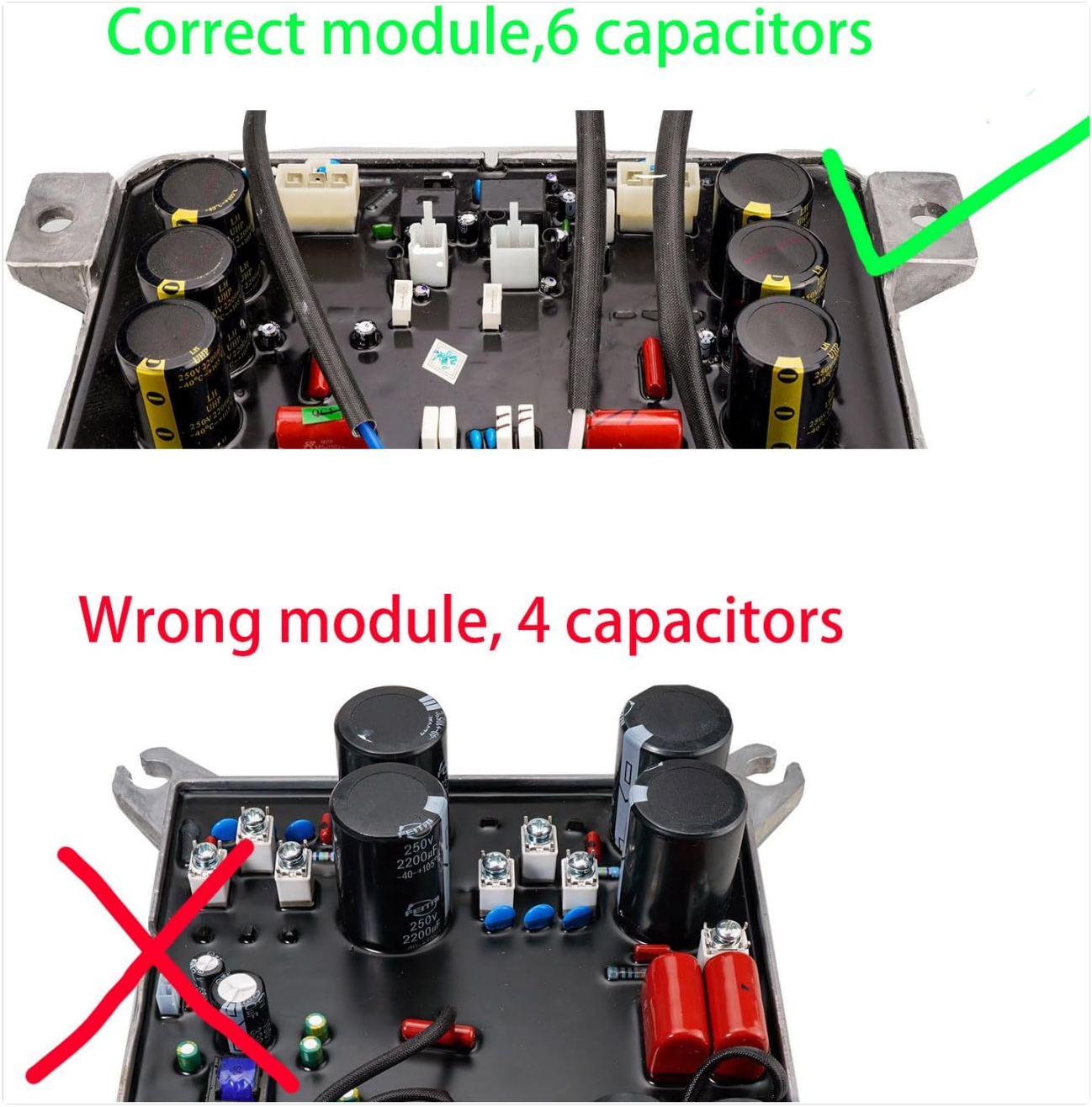


Figure 2.2: Comparison of inverter modules based on capacitor count. Ensure your module matches the 'Correct module' with 6 capacitors.

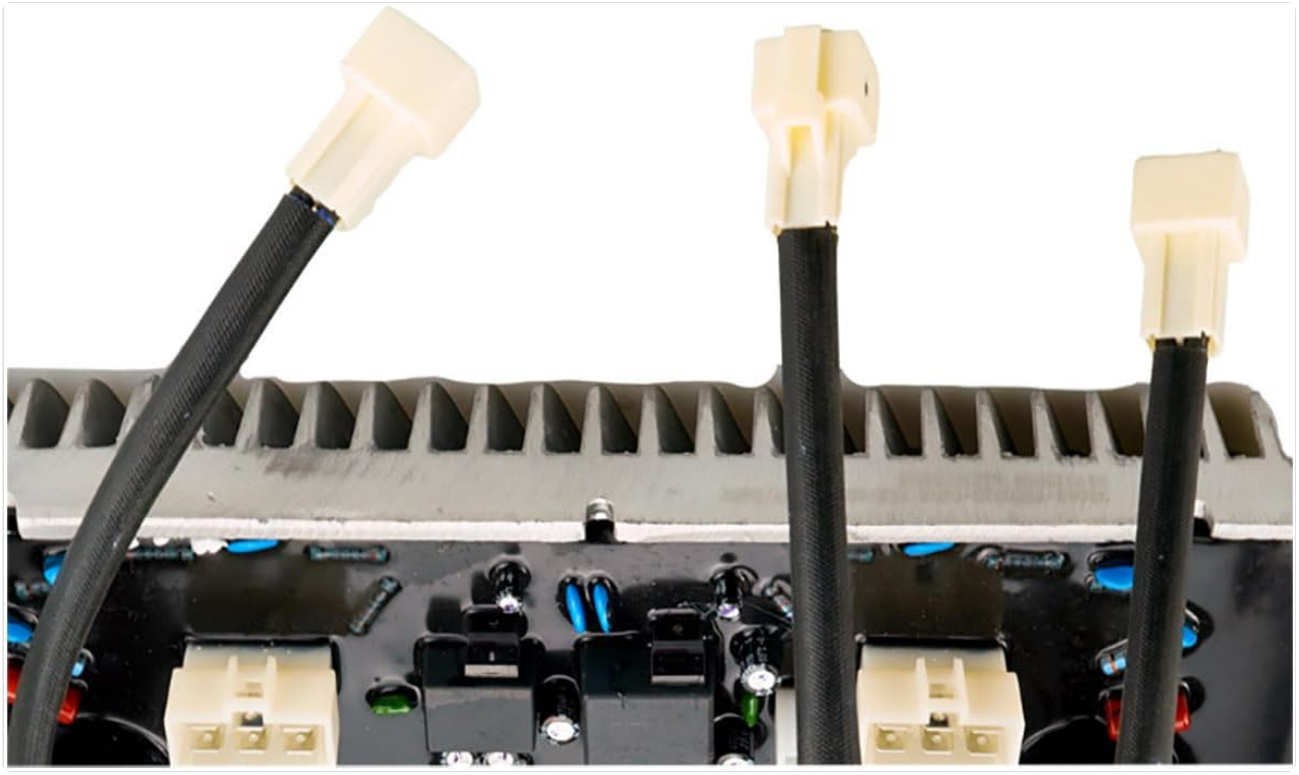


Figure 2.3: View of the three distinct connectors on the Tapa Inverter Module. Verify your generator's harness matches these connectors.

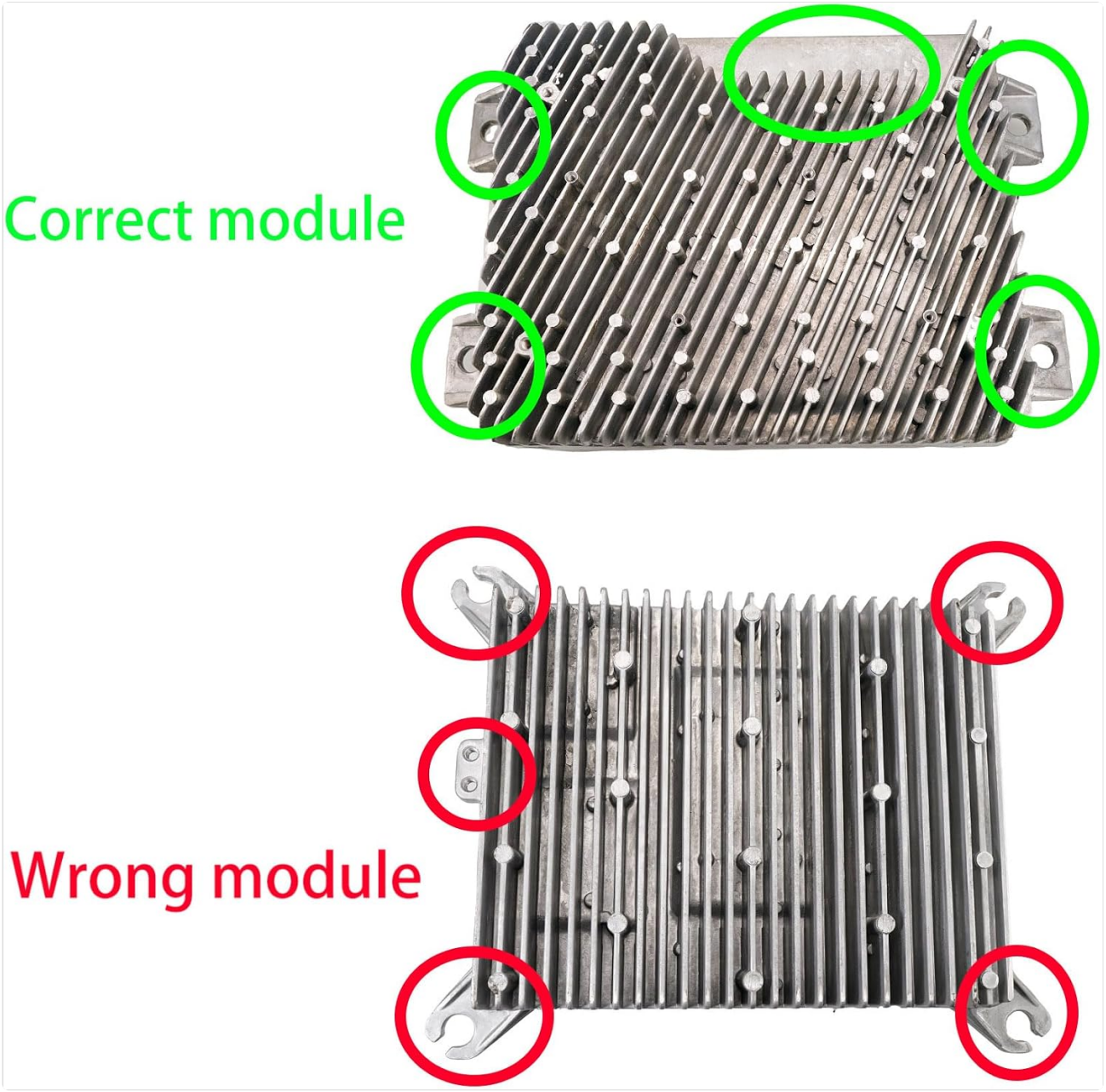


Figure 2.4: Comparison of inverter module mounting points. Ensure the physical mounting points align with your generator's chassis.

3. Installation Instructions

Safety First: Always ensure the generator is completely shut off, cooled down, and disconnected from any power sources or loads before attempting any installation or maintenance. Wear appropriate personal protective equipment (PPE).

1. **Prepare the Generator:** Disconnect the spark plug wire to prevent accidental starting. Ensure the fuel valve is closed.
2. **Access the Inverter Module:** Locate the existing inverter module on your generator. This may require removing certain covers or panels. Refer to your generator's original service manual for specific access procedures.
3. **Disconnect Wiring:** Carefully disconnect all electrical connectors attached to the old inverter module. Note their positions for reassembly.
4. **Remove Old Module:** Unbolt or unfasten the old inverter module from its mounting points.
5. **Install New Module:** Position the new Tapa Inverter Module in the same location. Secure it using the

original fasteners.

6. **Reconnect Wiring:** Connect all electrical connectors to the new module, ensuring they are firmly seated. Refer to any notes or photos taken during disassembly.
7. **Reassemble Generator:** Replace any covers or panels that were removed.
8. **Final Checks:** Before starting, double-check all connections and ensure no tools or loose parts are left inside the generator.

4. Operation

Once the Tapa Inverter Module is correctly installed, the generator should resume normal operation, providing stable power output. The inverter module is an internal component that manages the generator's electrical output, converting raw AC power into stable, clean AC power suitable for sensitive electronics.
Refer to your Harbor Freight Predator generator's original user manual for instructions on starting, operating, and shutting down the generator.

5. Maintenance

The Tapa Inverter Module is a sealed electronic component and generally requires no routine maintenance. However, to ensure its longevity and optimal performance:

- **Keep Clean:** Ensure the area around the inverter module, especially its heat sink fins, remains free of dirt, dust, and debris to allow for proper heat dissipation.
- **Keep Dry:** Protect the generator and its components from moisture and extreme weather conditions.
- **Regular Inspections:** Periodically inspect the module and its connections for any signs of damage, corrosion, or loose wiring.

6. Troubleshooting

If your generator continues to experience issues after installing the Tapa Inverter Module, consider the following:

- **Incorrect Module:** Double-check the compatibility section (Section 2) to ensure you have installed the correct inverter module for your specific generator model. An incompatible module will not function correctly.
- **Other Component Failure:** The inverter module may not have been the sole cause of the generator's malfunction. Other components such as the carburetor, ignition coil, or starter may also require inspection or replacement.
- **Installation Errors:** Verify all electrical connections are secure and correctly reconnected. Ensure the module is properly mounted.
- **Professional Assistance:** If you are unable to diagnose or resolve the issue, consult a qualified generator technician.

Note: This inverter module is designed to replace a damaged original unit. If your generator's problem was not due to a faulty inverter module, replacing it will not resolve the underlying issue.

7. Specifications

Attribute	Detail
Model Number	TM402HB8750

Compatibility	Harbor Freight Predator 8750/7000 Watt Inverter Generator (models 57480 and 59190, specific versions only)
Key Features	4 copper coils, 6 capacitors, 3 connectors
Product Dimensions	9.2 x 8.8 x 3.7 inches
Item Weight	6.4 pounds
Manufacturer	Tapa

8. Warranty and Support

For any questions regarding the Tapa Inverter Module or for support, please contact the seller directly through the platform where the purchase was made. Ensure you have your order details and the product model number (TM402HB8750) available when contacting support.
This product is intended as a replacement part. Any warranty or return policies are subject to the terms provided by the seller at the time of purchase.

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