

ACCESSORY POWER HARNESS KITS AND ACCESSORY RELAY HARNESS KITS

NOTICE

After completing installation, place these instructions with the product for the owner's future use.

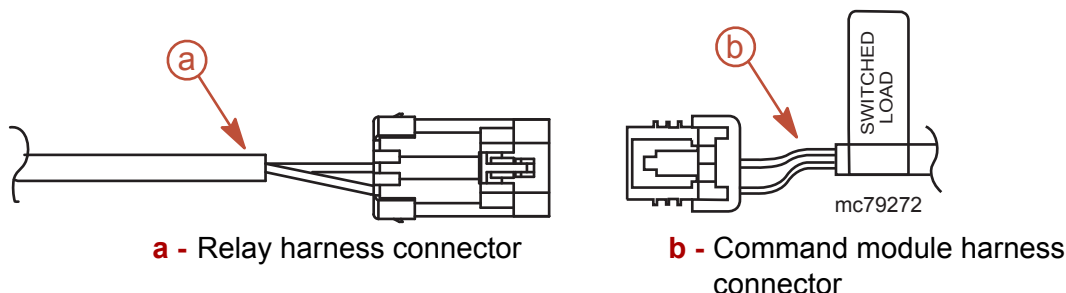
Notice

This Product Requires Electronic Calibration Before Use.

Installation of this product will require electronic calibration. This calibration must not be attempted by anyone other than the Original Equipment Manufacturer (OEM) or a Mercury technician trained in Digital Throttle and Shift systems (DTS) at an authorized Mercury dealership. Improper installation and calibration of the DTS product will result in a system which is inoperable or unsafe for use.

Installing the 3 Pin Accessory Relay Harness to the DTS Command Module Harness

1. Connect the relay harness to the DTS command module harness at the connection labeled "SWITCHED LOAD."



Installing the 10 Pin Accessory Relay Harness to the Junction Box

⚠ CAUTION

Pulling on connectors can loosen terminals resulting in open or poor electrical connections. Open or poor electrical connections may result in loss of throttle and shift control. Do not pull on the cable connectors when pulling cable into boat.

IMPORTANT: Do not route cables near sharp edges, hot surfaces or moving parts. Fasten cables away from any sharp edge, fastener or object that could wear into the cable.

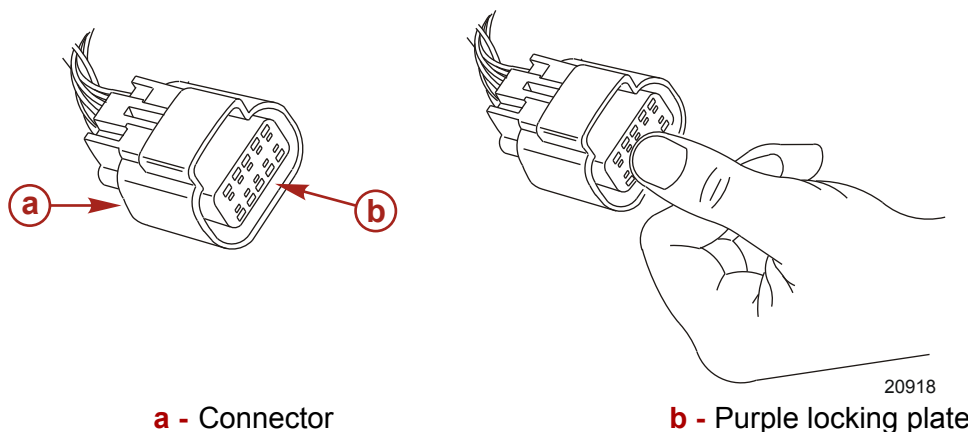
IMPORTANT: Avoid sharp bends in the cable. The minimum bend radius must be 76 mm (3 in.).

IMPORTANT: The engine electrical system is negative (–) ground.

1. Ensure the junction box is mounted correctly.
2. Ensure the battery and junction box are installed within the limits of the harness.

IMPORTANT: Verify the terminals are properly positioned in the connector. The terminals must be visible through the purple locking plate.

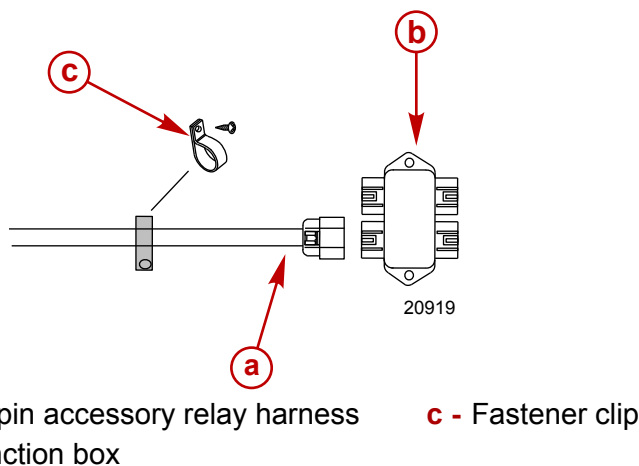
3. Apply light pressure to the purple locking plate to ensure it is positioned properly. When properly positioned the wire terminals will be visible in the pin holes of the locking plate.



4. Visually inspect the sealing ring inside the connector to ensure it is free of dirt or debris.

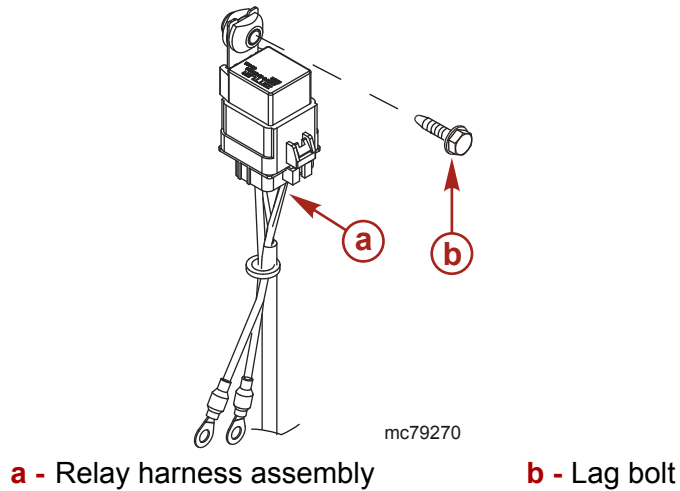
IMPORTANT: Never force a connector into an engine harness or junction box receptacle.

5. To install the connector to the junction box or engine harness, align and insert the connector into the receptacle. Push in until connection is locked. Listen for a click sound.
6. Fasten the harness within 25.4 cm (10 in.) of the junction box to prevent flexing of the cable.



Attaching the Accessory Relay Harness to the Boat Hull

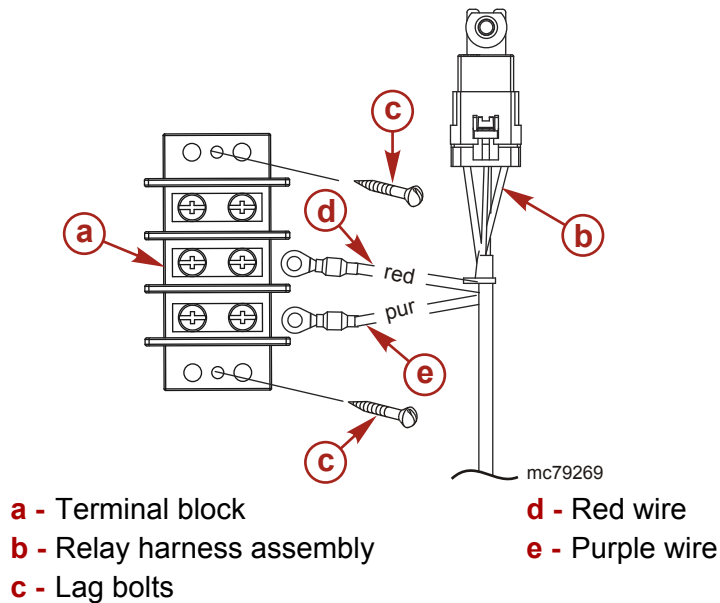
1. Using a suitable lag bolt, mount the harness relay to the hull of the boat.



Installing the Terminal Block

IMPORTANT: The terminal block must be mounted within reach of the red and purple wires at the relay on the relay harness assembly.

1. Using suitable lag bolts, mount the terminal block under the dash at the helm.
2. Connect the red and purple wires of the relay harness assembly to the terminal block.

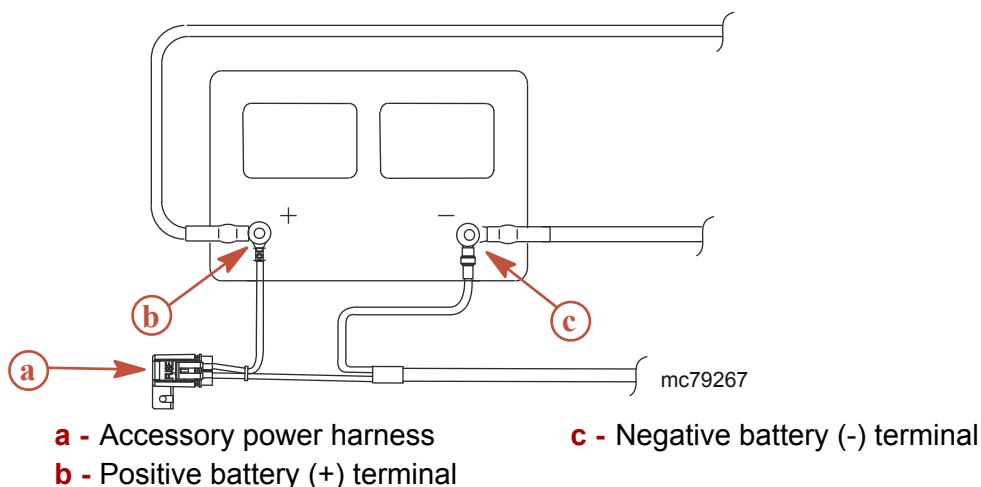


Installing the Accessory Power Harness

IMPORTANT: The fused end of this harness must be connected at the battery.

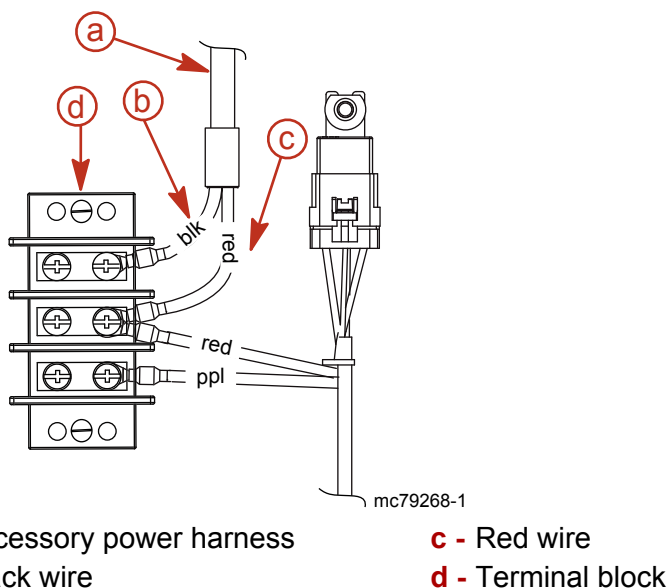
1. Connect the red wire at the fuse to the positive terminal of the battery. Tighten securely.
2. Connect the black wire to the negative terminal of the battery. Tighten securely.

3. Apply sealant to the connections at the battery.



Tube Ref No.	Description	Where Used	Part No.
 25	Liquid Neoprene	Electrical connections	92-25711-3

4. Route the accessory power harness from the battery to the terminal block.
 5. Fasten the harness to the hull at 46 mm (18 in.) increments.
 6. Connect the red and black wires from the accessory power harness to the terminal block, as shown.

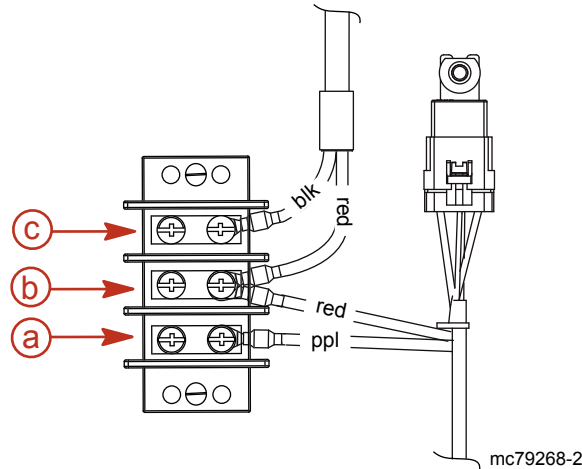


Attaching Accessories To The System

IMPORTANT: All accessories attached to the system must be appropriately fused. All electrical loads added to the terminal block must be fused individually.


- For accessories needing key "ON" power only:** Attach accessory wiring to the terminal across from the purple wire from the relay harness assembly.
- For accessories needing continuous 12 volt power (key "ON" or "OFF"):** Attach accessory wiring to one of the terminals with a red wire.

3. Connect all accessory ground wire to the terminal across from the black wire from the accessory power harness.



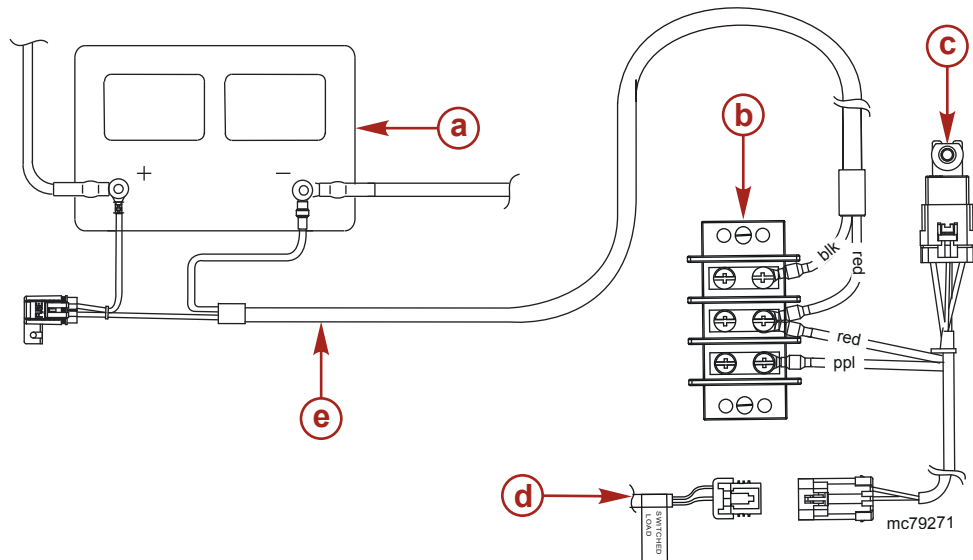
- a** - Accessory connections for key "ON" 12 volt power
- b** - Accessory connections for continuous 12 volt power
- c** - Accessory ground connections

4. Apply sealant to all of the electrical connections at the terminal block.

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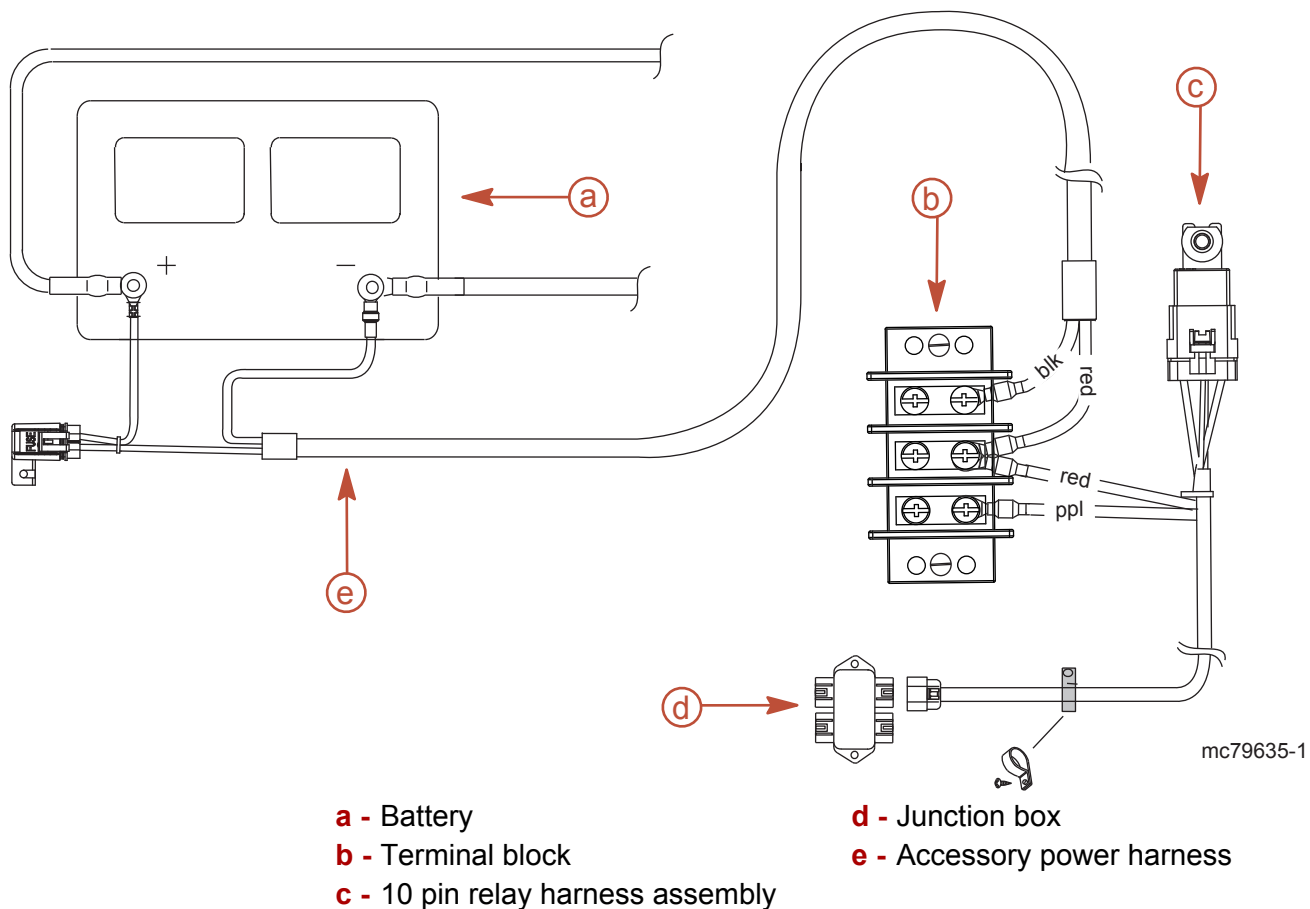
3 Pin Accessory Relay Harness Wiring Schematic

IMPORTANT: All accessories attached to the system must be appropriately fused. All electrical loads added to the terminal block must be fused individually.



- a** - Battery
- b** - Terminal block
- c** - 3 pin relay harness assembly
- d** - Command module harness
- e** - Accessory power harness

10 Pin Accessory Relay Harness Wiring Schematic



Important Information About 3 Position and 4 Position Key Switches

The three position key switch when turned to the "ON" position, will power up the 3 pin relay harness from the command module harness or the 10 pin accessory relay harness from the junction box.

The four position key switch when turned to the "ON" position, will power up the 3 pin relay harness from the command module harness. The 10 pin accessory relay harness from the junction box, will not be powered up by the four position key switch when turned to the "ON" position.