

4. Connect the NMEA 0183 device to the MercMonitor wire harness white/blue (+) and blue/white (-) wires, if applicable. Ensure that the connection is watertight.
5. Connect the air temperature sensor to the MercMonitor wire harness connector.

Wire Harness Connections for SmartCraft MercMonitor NMEA 2000 Level 1, 2, or 3

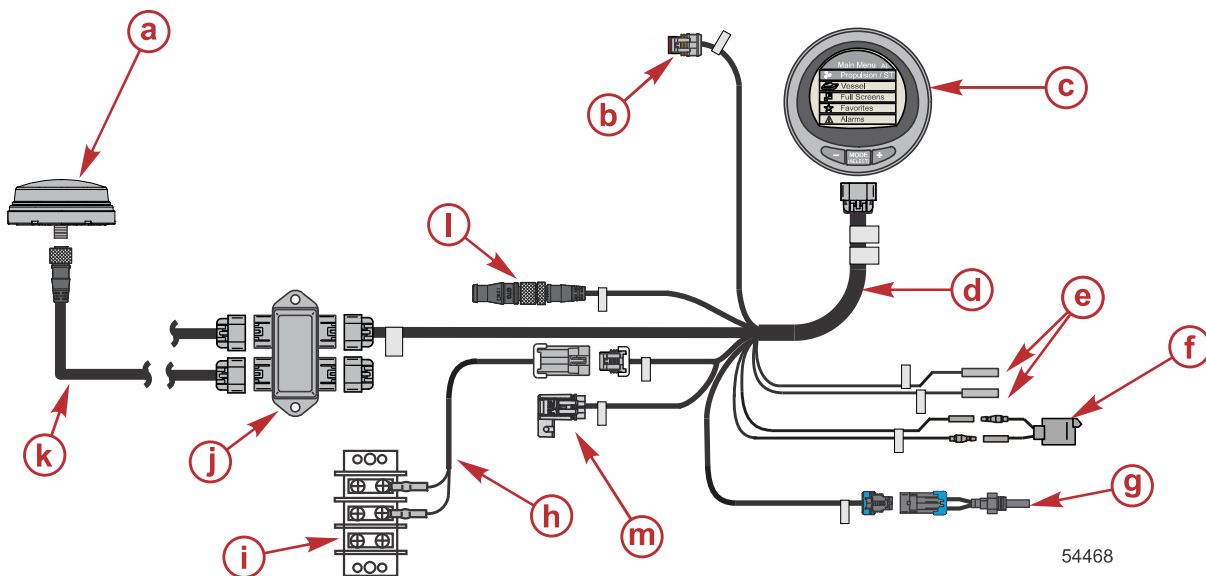
IMPORTANT: Do not allow electrical connections to flex. Fasten all electrical harnesses within 25 cm (10 in.) of the connection. Ensure that all unused harness connectors are protected with weather caps.

1. Connect the wire harness to the MercMonitor.
2. Connect the MercMonitor wire harness to the junction box.
3. Connect the Link gauges to the MercMonitor wire harness System Link connector, if applicable.

IMPORTANT: The NMEA 2000/J1939 power harness adapter is required only to power a NMEA backbone, if used. If a SmartCraft CAN P GPS puck is used, the NMEA harness is not required, unless it is required for other NMEA devices.

When the NMEA 2000/J1939 backbone is powered through a device other than the MercMonitor, do not use the NMEA 3-amp fuse. Remove the NMEA 3-amp fuse and install the fuse holder onto the MercMonitor wire harness connector.

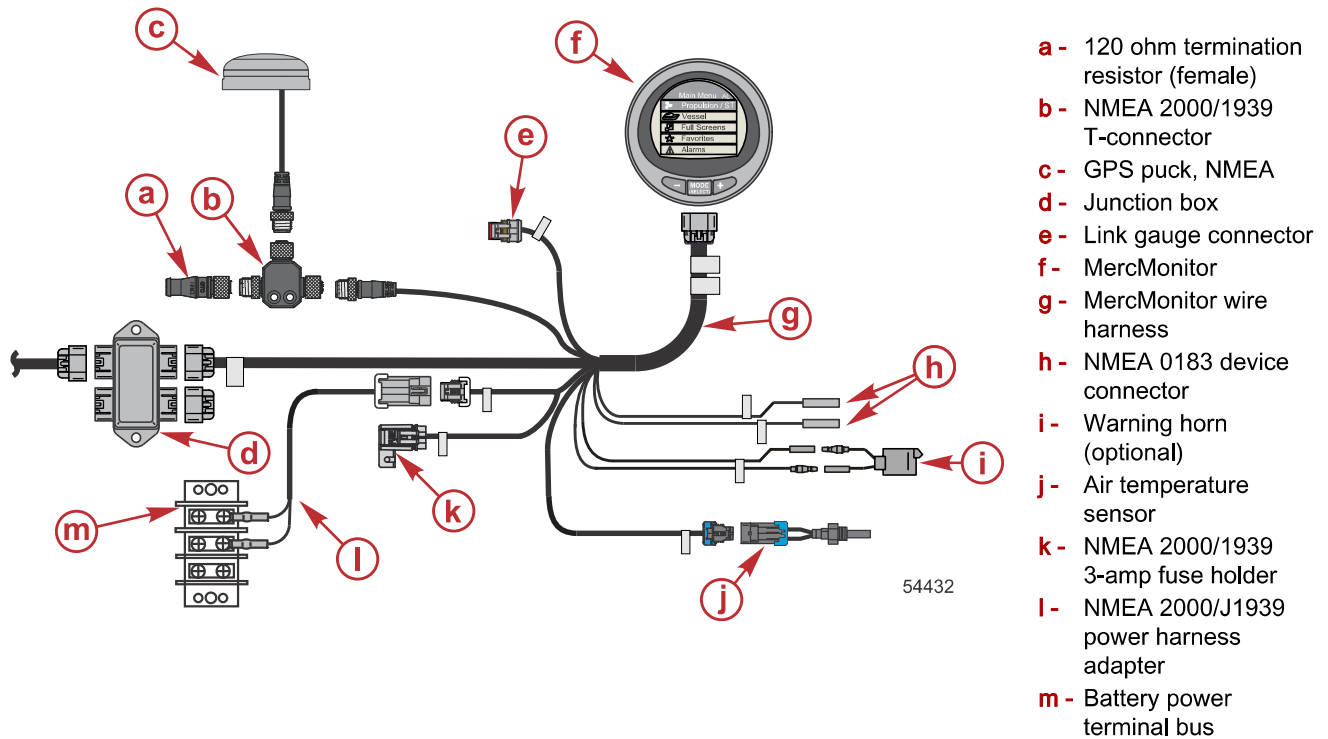
4. Depending on your application:
 - a. If using the optional **SmartCraft GPS** unit, connect the 10-pin GPS SmartCraft harness to the GPS puck and to the junction box.



54468

- a - GPS puck
- b - Link gauge connector
- c - MercMonitor gauge
- d - MercMonitor wire harness
- e - Connector for NMEA 0183 device
- f - Warning horn (optional)
- g - Air temperature sensor
- h - NMEA 2000/J1939 power harness adapter (not required for CAN P GPS)
- i - Battery power terminal bus
- j - Junction box
- k - GPS 10-pin SmartCraft harness
- l - NMEA 2000/J1939 connection with 120 ohm termination resistor
- m - NMEA 2000/J1939 3-amp fuse holder (required only for NMEA backbone powered through MercMonitor)

b. If using the optional NMEA 2000/J1939 GPS:



- i. Connect the NMEA 2000/J1939 power harness adapter to the MercMonitor wire harness connector.
- ii. Connect the NMEA 2000/J1939 power harness red and black wires to a battery power terminal bus, if the backbone is not powered through a different device.

IMPORTANT: The NMEA 3-amp fuse must be used when integrating the MercMonitor with an NMEA 2000/J1939 communication that does not have an existing powered NMEA 2000/J1939 backbone installed. When the NMEA 2000/J1939 backbone is powered through a device other than the MercMonitor, do not use the NMEA 3-amp fuse.

- iii. Secure the NMEA 3-amp fuse holder with a screw or retainer. Ensure that the fuse holder is accessible.
- iv. Connect the NMEA 0183 device to the MercMonitor wire harness white/blue (+) and blue/white (-) wires, if applicable. Ensure that the connection is watertight.
- v. Connect the NMEA 2000/J1939 T-connector to the MercMonitor NMEA 2000/J1939 wire harness connector.
- vi. Install the 120 ohm termination resistor onto the NMEA 2000/J1939 T-connector.

NOTE: Always follow NMEA 2000 installation requirements when connecting components to an existing NMEA 2000 backbone.

5. Connect the air temperature sensor to the MercMonitor wire harness connector.