MERCURY
MARINER
MERCURY Sport Jet
FORCE Outboards

service information

☑ ADVISORY
☐ BULLETIN

No. 2000-13

Circulate to: ☐ Sales Manager ☐ Accounting ☑ Service Manager ☑ Technician ☑ Parts Manager

Fuel Sender Connection Modification (Optimax)

Models Affected

MERCURY/MARINER
2001 Model 135 - 225 HP Optimax
S/N 0T178500 and Above

The digital sensor harness is normally used with Optimax engines when installing digital gauges. This harness connects the ECM to the fuel tank, remote oil tank, seawater temperature, and paddle wheel sensors.

Some metal fuel tanks have a jumper wire back to the battery ground, the digital harness fuel tank ground wire (BLACK/ORANGE) is then referenced to battery ground, instead of its own dedicated sensor ground. This ground loop condition may causes the engine to idle at approximately 1200 RPM and/or the SmartCraft or System speedometer to show 20 to 30 MPH while the boat is sitting still.

CORRECTION

Disconnect the short pig-tail BLACK/ORANGE to the fuel tank sender assembly for either metal or plastic fuel tanks if there is a battery ground strap to the fuel tank or sender assembly. Only connect the fuel tank sensor ground (BLACK/ORANGE) if NO battery ground is installed. If the BLACK/ORANGE pig-tail is not used, plug the unused open bullet connector on the digital harness with rubber plug P/N 13541.

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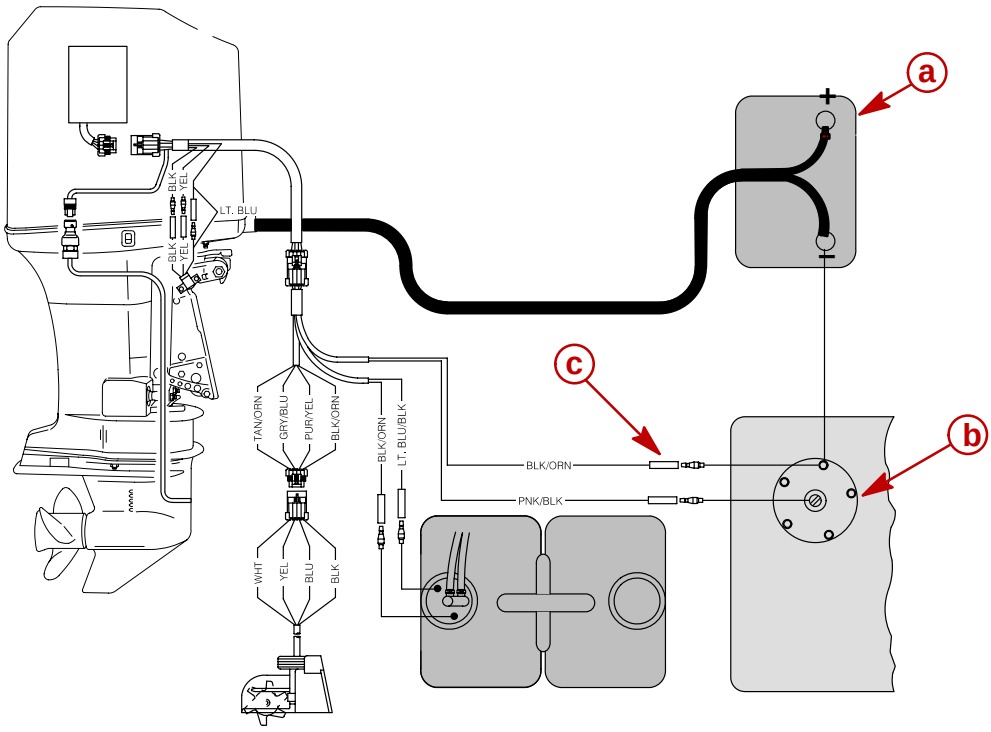

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a - Battery
b - Fuel Tank Sender
c - Black/Orange Ground Wire

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