

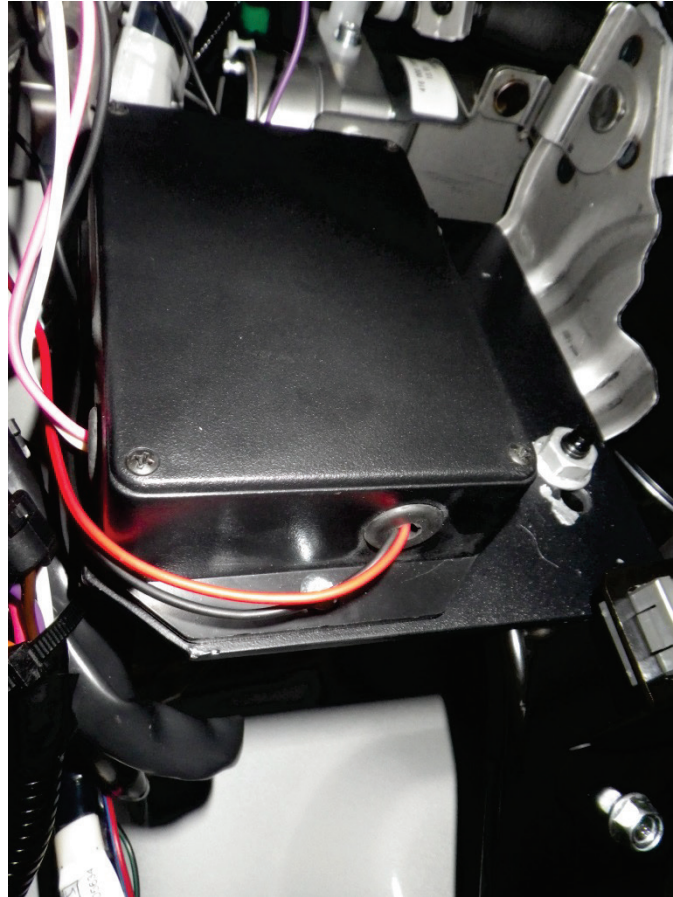


Troubleshooting Sheet for LandiRenzo CNG Conversion on Isuzu NPR Cab Chassis

SYMPTOM	CHECK / SOLUTION
ECM Reflash Is Required	<p>This programming is model year unique to the LandiRenzo CNG system installed on the Isuzu NPR 6.0L engine with gaseous prep package. It is NOT the same as the normal gasoline system ECM program available through Isuzu. If there is a need to re-flash the CNG system ECM, contact Utilimaster at (800) 237-7806 and select the option for Customer Product Support/Warranty. Remove ECM from vehicle and ship it to the address provided by Utilimaster.</p>
Fuel Gauge Does Not Show Correct Fuel Level	<p>1) Check wiring for correct corresponding colors between Fuel Gauge Driver Module & Fuel Gauge Transducer as show on schematic in CNG Service Manual, page 15 (Dedicated NGI2 Wiring). These are the solid color Black, Pink, and White wires.</p>  <p>2) If wiring is correct but Fuel Gauge always shows empty, make sure power connection to Fuel Gauge Driver Module is connected (located on cross-member where vapor recovery canister is on gasoline vehicle). These are the orange and blue wires.</p> 

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- 3) If wiring for items 1 & 2 are correct, check wiring on other side of Fuel Gauge Driver Module as shown on schematic in CNG Service Manual, page 15 (Dedicated NGI2 Wiring). These are the Orange, Black w/White, Tan, and Purple wires.



Fuel Gauge Shows Empty at Start-Up (and Tank Has Fuel)

- a. If lines cannot hold pressure, the sensor that registers fuel level will read zero until pressure is built up after approximately 30 minutes of driving.
- b. Check for leaks at all hard tubing and flex tubing connections (using a sniffer or soapy water spray method) and tighten or repair connections as required.
- c. Connections will loosen over time depending on duty cycle. Inspect all connections per Warranty manual every 7 months/7500 miles.

Pressure Relief Device (PRD) Has Opened

The Pressure Relief Device is designed to open when temperature is between 100°C - 120°C. This allows fuel to blow off and reduce pressure in the tank.

Warranty Service and Parts are Required

Customer or dealer should call **Utilimaster Technical Support** at **(800)237-7806** and select option for Customer Product Support/Warranty. Utilimaster will coordinate parts delivery.