EV3 SEALED FUEL LEVEL GAUGE INSTALLATION INSTRUCTIONS

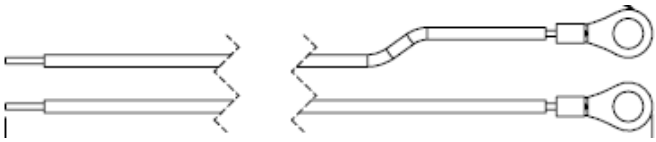
ICON KEY

CAUTION Tools may be required Shown in picture

HARNESS TO FUEL SENDER INSTALLATION

1

Disconnect batteries. Do not reconnect battery power until the system is fully configured to avoid risk of shock or fire.



Connect the green and black eyelets of the harness to fuel level sender.

- If the sender has two wires, either wire color can be connected to sender.
- If the sender has one wire, connect the green to the sender.

2

Route the two sender wires (black and green) through the firewall to the intended gauge location.

Secure all wiring so that it does not interfere with moving parts or chafe on sharp edges. Grommet usage is recommended.

6-pin sealed connector attached to gauge

GAUGE INSTALLATION

3

Connect the 6-pin sealed connector to the back of the gauge (with the gauge near its final mounting location)

Route the red, orange, black and brown wires with cut ends towards the fuse panel or other area where the power, dimmer, ground and optional output relay connections will be made, leaving enough length at the 6-pin connector to allow you to remove the gauge from the mount without unplugging it from the gauge

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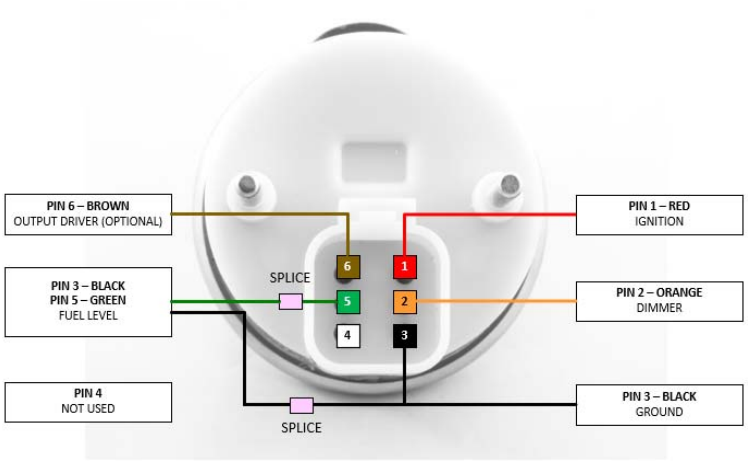
4 Wires connected as follows:



- **PIN 1 – Red:** Ignition; Connect to one wire of the included fuse holder using the included crimp splice, and the other wire of the fuse holder connected to a circuit that switches on with the key switch. Install the included 1 amp fuse in the fuse holder.

  Use only 1-amp fuses, higher amperage fuses may cause damage to the gauge or to the vehicle.

- **PIN 2 – Orange:** Dimmer; Connect to the factory gauge dimmer circuit by either tapping into the in-cab fuse block or by connecting directly to the wire running from the dimmer on the headlight switch. **NOTE**: The gauge backlighting will only illuminate if both the ignition AND the dimmer circuits are on.

- **PIN 3 - Black:** Ground; Connect 1 black wire to a clean ground on the vehicle such as the battery negative terminal or a factory ground bolt. Splice the other black wire to the fuel sender black wire.

- **PIN 5 – Green;** Fuel Level; Splice to fuel sender green wire.

- **PIN 6 - Brown;** Programmable Output Driver can switch devices that draw up to 1.3 Amps (60V) so a 1A (1 Amp) fuse should be used. **Devices** include customer supplied Relay Coils, Solenoids, Warning Buzzers, and Lamps. These devices are not included in gauge kits. The Output Driver activates these devices at a programmed level. Wiring to polarized devices is always wire from pin 6 to the negative side of the device.

  For Battery Connection: Wire pin 6 to one side of the **device (see above)** with the other side of the device wired to a positive battery connection fused for no more than 1A.

  For Ignition Connection Wire pin 6 to one side of the **device (see above)** with the other side of the device wired to a connection that switches on with the key switch fused for no more than 1A.

5 EV3 ATTRIBUTE PROGRAMMER INSTALLATION

Android - Open the Google Play Store application. In the Search box, type "Attribute Programmer". Select the **EV3 Attribute Programmer** from ISSPRO and install it on your device.

iOS (Apple) - Open the App Store. In the Search box, type "Attribute Programmer". Select the **EV3 Attribute Programmer** from ISSPRO and install it on your device.

ONCE INSTALLED - APP INSTRUCTIONS ARE LOCATED IN "EXTRAS"

Available Fuel Level Range Options:

1: SW 242 – 33 **2:** AC 0 – 30 **3:** AC 0 – 90 **4:** VDO 10 – 180 **5:** 78 – 10 **6:** 16 – 158 **7:** 40 - 250

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