




FUEL LEVEL GAUGE INSTALLATION INSTRUCTIONS

Models: R43900 R52900 R53900 R59900 R68900 R69900 R82900

Note: Can not be used on systems that contain Performax Front Axle Temp Gauge

- 1**  Disconnect batteries. Do not reconnect battery power until system is fully configured to avoid risk of shock or fire.
- 2**  Install Electronic Signal Processor (ESP) and ESP harness according to instructions.
- 3**  Connect the Fuel Level Sensor Harness to the ESP Harness as follows:
 - a. Remove plugs from cavities 1 and 2 of the connector D (brown) of the ESP.
 - b. Using a pair of needle nose pliers, pull the orange wedge lock out of connector D.
 - c. Insert the terminal from the white wire (Sensor Signal) into cavity 1 of connector D on the ESP, pushing until it snaps into connector D.
 - d. Insert the terminal from the black wire (Sensor Ground) into cavity 2 of connector D on the ESP, pushing until it snaps into connector D.
 - e. Note: Terminals will be close to flush with the top of the connector when fully seated.
 - f. A firm pull of the wire will confirm whether they are properly seated.
 - g. Push the orange wedge lock back into position. If any of the wires are not fully seated, the wedge lock will not insert into position.
 - h. Reconnect connector D (brown) to the ESP.




ICON KEY	
	CAUTION
	Tools may be required
	Shown in picture

Figure 1: Connector D top and bottom view. Shown with plugs and wedge-lock installed.

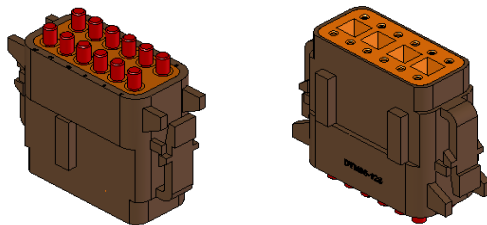
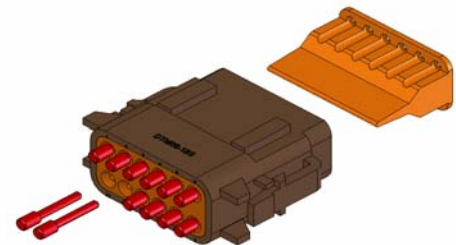




Figure 2: Remove plugs and wedge-lock as shown. Wedge-lock is replaced once wires are positioned properly.



- 4**  Connect fuel level gauge to the ESP. (See ESP instructions for more details on how to do this). Note: If drilling a mounting hole in a panel to mount this gauge, the hole size should be 2.040”.
- 5**  Secure all wiring so that it does not interfere with moving parts or chafe on sharp edges. This may be accomplished by routing the wiring within the factory wire harness sheath, using wire ties and sheathing, and using appropriate grommets when passing through the firewall.

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