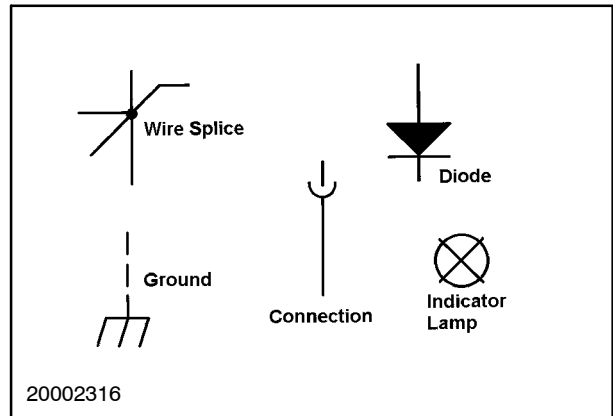


FUEL LEVEL CIRCUIT

1. Right Frame Rail Ground
2. Battery
3. Starter
4. 40-amp Main Fuse
5. Key Switch
6. 7.5-amp Instrument Panel Fuse
7. Fuel Gauge
8. Fuel Level Sending Unit
9. Starter Bolt Ground Terminal
10. Left Side HPL Housing Ground Terminal



FUEL LEVEL CIRCUIT**DELUXE AND ECONOMY MODELS**

1. Current leaves the positive (+) terminal of the battery and flows to the battery (B) terminal of the starter. Current is directed from the battery terminal of the starter to the 40-amp main fuse. Current flows through the main fuse to a wiring splice. Current flows from the wiring splice to terminals "C" and "D" on the key switch. Current that is sent to the "D" terminal of the key switch is not utilized when the key switch is in the "ACC/RUN" position.
2. When the key switch is turned to the "ACC/RUN" position, current flows through the key switch from terminal "C" to terminal "B". From terminal "B", current flows to the 7.5-amp fuse that protects the instrument panel and lighting circuit.

Current is then directed to terminal 21 on the instrument panel and then to the positive (+) terminal of the fuel gauge. The ground path for the gauge exits the instrument panel at terminal 24 and is then directed to the ground terminal at the starter bolt.

3. The fuel level gauge is controlled by variable resistance to ground. The ground path exits the gauge and then out of the instrument panel through terminal 14. The ground path then goes to the fuel level sending unit. At the sending unit, the resistance to ground changes as the engine is consuming fuel or fuel is added to the fuel tank. The fuel gauge translates this resistance into movement of the gauge needle. The ground path then is directed out of the fuel sending unit to the ground terminal on the left side of the HPL housing.

**FUEL LEVEL CIRCUIT
TROUBLESHOOTING**

CONDITION	POSSIBLE CAUSE	REMEDY
Inoperative fuel level gauge	Blown 7.5-amp instrument panel fuse	Check fuse and replace as necessary
	Malfunctioning fuel level sending unit	Test fuel level sending unit and replace as necessary
	Improper ground circuit	Check fuel level sending unit connections and circuit grounds and repair as necessary
	Malfunctioning fuel gauge	Test fuel gauge and replace instrument panel as necessary

