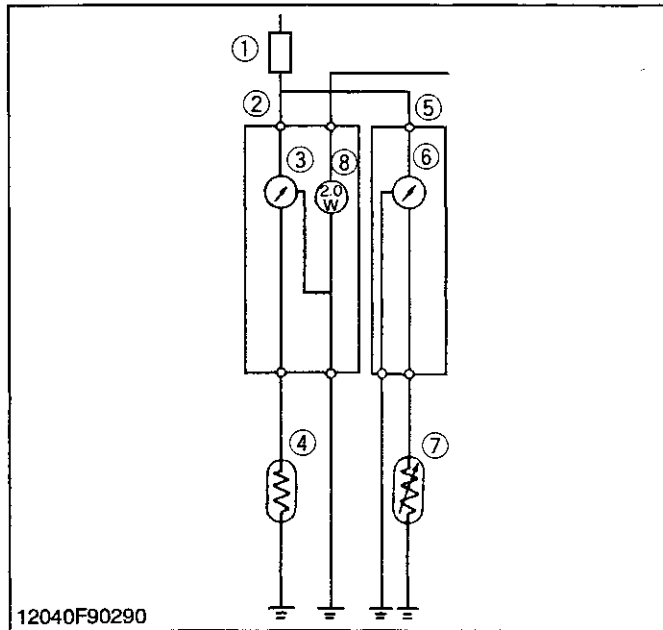


## [7] GAUGES [4WD TYPE]

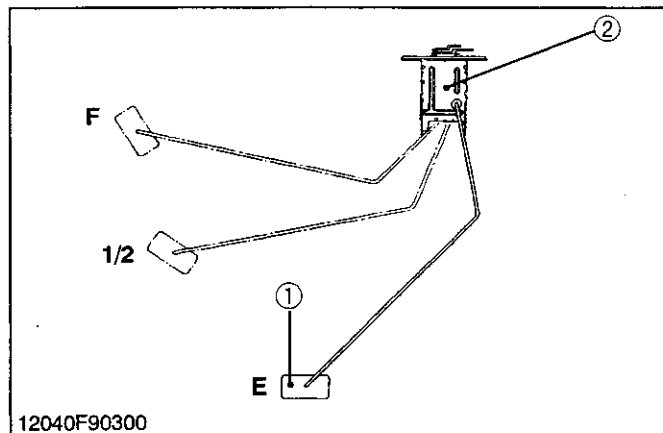


The fuel quantity and coolant temperature are indicated by the ammeters. The ammeters indicate each amperate flowing through the fuel level sensor (7) for the fuel quantity detection and through the coolant temp. sensor (4) for the coolant temp. detection.

- |                          |                       |
|--------------------------|-----------------------|
| (1) Fuse (10 A)          | (5) Fuel Meter        |
| (2) Thermometer          | (6) Fuel Level Gauge  |
| (3) Coolant Temp. Gauge  | (7) Fuel Level Sensor |
| (4) Coolant Temp. Sensor | (8) Illumination Lamp |

12040M90260

### (1) Sensor



#### ■ Fuel Level Sensor

The remaining fuel quantity is detected by the fuel level sensor installed in the fuel tank and indicated on the fuel gauge. For detection, a float and a resistor are used.

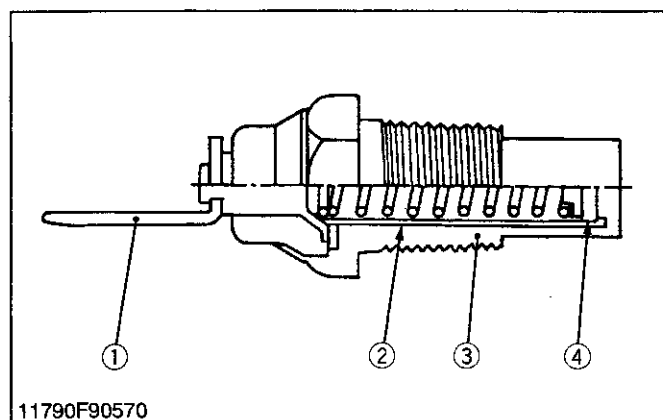
As the float (1) lowers, the resistance of the variable resistor (2) varies. The relation between the amount of fuel and the resistance is as follows.

F	1/2	E
1 to 5 $\Omega$	28 to 36 $\Omega$	103 to 117 $\Omega$

(1) Float

(2) Variable Resistor

12040M90270



#### ■ Coolant Temperature Sensor

The coolant temperature sensor is installed to the cylinder head of engine, and its tip is in touch with the coolant. It contains a thermistor (4) whose electrical resistance decreases as the temperature increases.

Current varies with changes in the coolant temperature, and the increases or decreases in the current move the pointer of gauge.

Characteristics of Thermistor	
Temperature	Resistance
50 °C (122 °F)	148.8 $\Omega$
80 °C (176 °F)	50.3 $\Omega$
120 °C (248 °F)	16.0 $\Omega$
170 °C (338 °F)	5.6 $\Omega$

(1) Terminal

(3) Body

(2) Insulator

(4) Thermistor

11790M90310