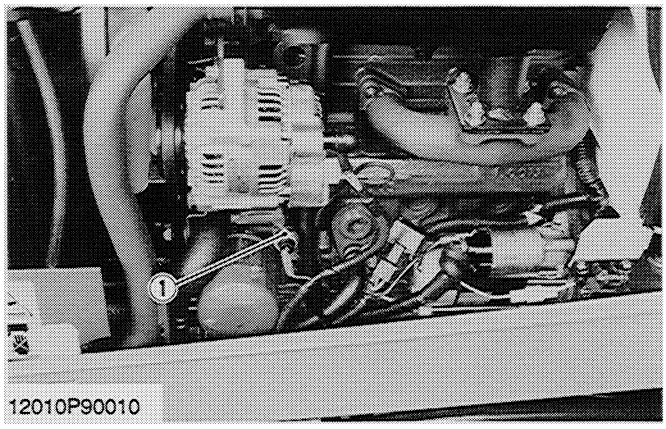
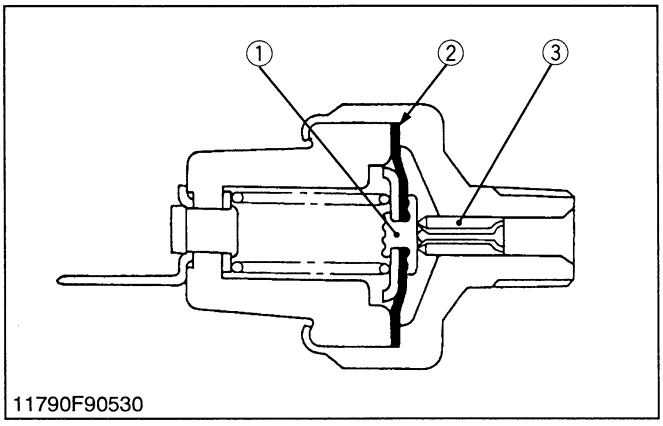
(2) Engine Oil Pressure Alarm



When the engine oil pressure has dropped, the engine oil pressure switch is activated to let the current flow from the main switch and to light up the lamp.

(1) Oil Pressure Switch

12010M90120



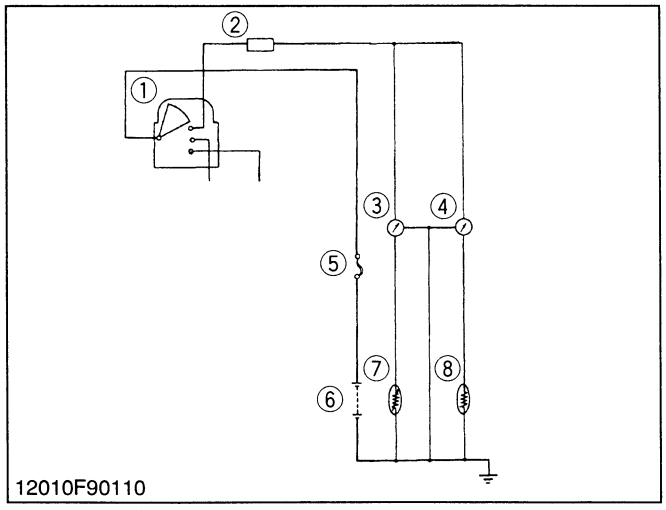
■ Engine Oil Pressure Switch

While oil pressure is high and the force applied to the diaphragm (2) is larger than the spring tension, the terminal contact (1) is open separated from the body contact (3). If the pressure drops below approx. 49 kPa (0.5 kgf/cm^2, 7.1 psi), the contact closes.

(1) Terminal Contact
(2) Diaphragm
(3) Body Contact

12010M90130

[7] GAUGE

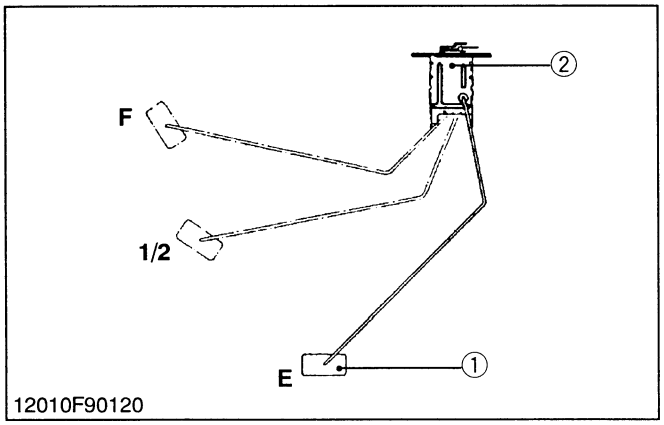


The fuel quantity and coolant temperature are indicated by the ammeters. The ammeters indicate each amperate flowing through the fuel level sensor (7) for the fuel quantity detection and through the coolant temperature sensor (8) for the coolant temperature detection.

(1) Main Switch
(2) Fuse (10 A)
(3) Fuel Gauge
(4) Water Temperature Gauge
(5) Slow Blow Fuse
(6) Battery
(7) Fuel Level Sensor
(8) Water Temperature Sensor

12010M90140

(1) Fuel Quantity



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■ 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.

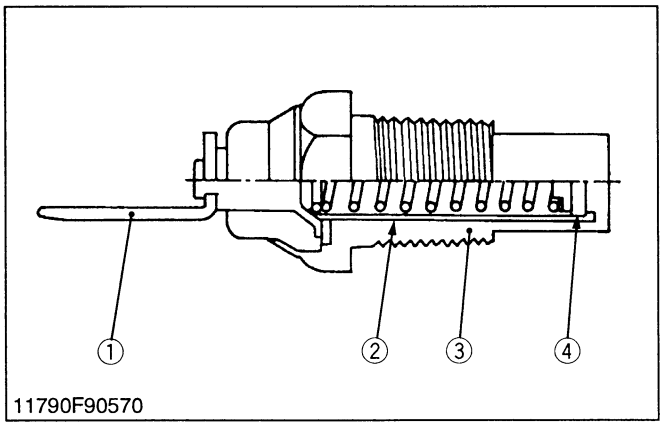
As the float (1) lowers, the resistance of the variable resistor (2) varies. The relation between the amount of fuel and the resistance is as follows.

F	1/2	E (Remaining fuel of approx. 3.0 L, 0.79 U.S.gal, 0.66 Imp.gal.)
1 to 5 Ω	28.5 to 36.5 Ω	103 to 117 Ω

(1) Float
(2) Variable Resistor

12010M90150

(2) Coolant Temperature



11790F90570

■ 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 Ω)
80 °C (176 °F)	50.3 Ω
120 °C (248 °F)	16.0 Ω
170 °C (338 °F)	(5.6 Ω)

(1) Terminal
(2) Insulator
(3) Body
(4) Thermistor

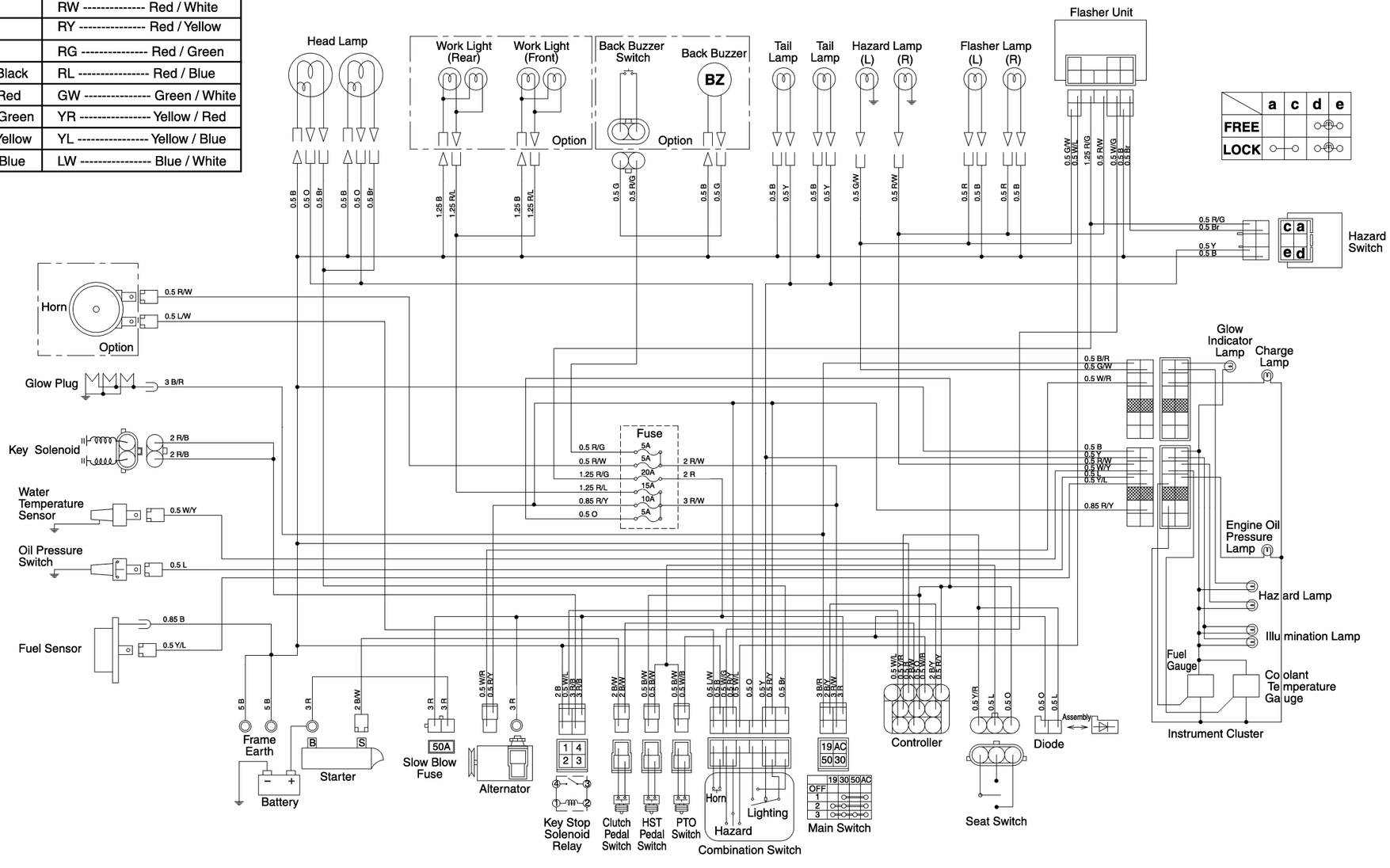
11790M90310

[8] OPC (OPERATOR PRESENCE CONTROL) SYSTEM (IF EQUIPED)

(1) Wiring Diagram

● **Color of Wiring**

B ---------- Black	BR ---------- Black / Red
R ---------- Red	BW ---------- Black / White
G ---------- Green	BY ---------- Black / Yellow
O ---------- Orange	RB ---------- Red / Black
Y ---------- Yellow	RW ---------- Red / White
Br ---------- Brown	RY ---------- Red / Yellow
L ---------- Blue	RG ---------- Red / Green
WB ---------- White / Black	RL ---------- Red / Blue
WR ---------- White / Red	GW ---------- Green / White
WG ---------- White / Green	YR ---------- Yellow / Red
WY ---------- White / Yellow	YL ---------- Yellow / Blue
WL ---------- White / Blue	LW ---------- Blue / White



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