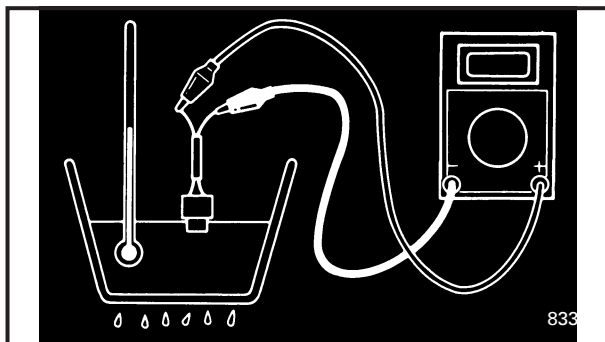
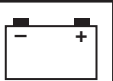




INSPECTING THE THERMO SWITCH CONTINUITY

Inspect:

- Thermo switch continuity
- Out of specification → Replace.



Thermo switch continuity temperature

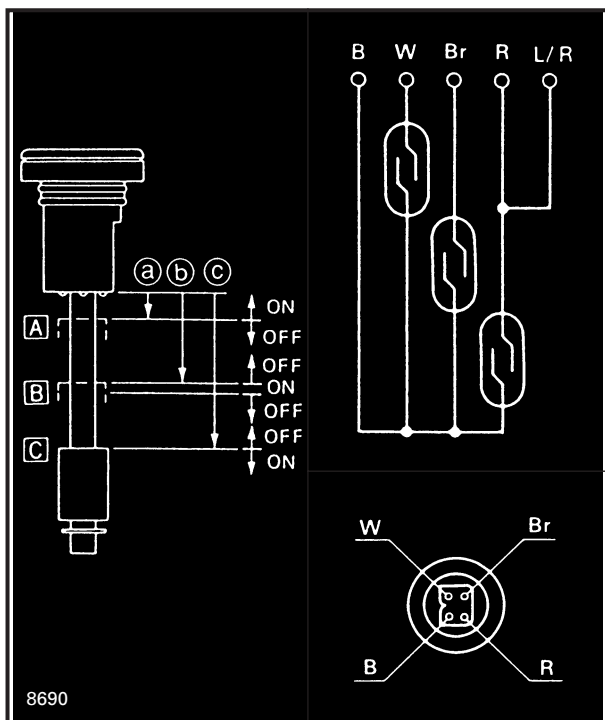
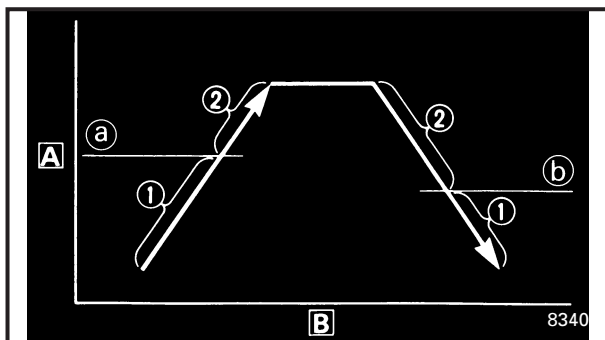
Pink (P) – Black (B)

- Ⓐ 84 - 90 °C (183 - 194 °F)
- Ⓑ 60 - 74 °C (140 - 165 °F)

- ① No continuity Ⓐ Temperature
- ② Continuity Ⓑ Time

Measuring steps

- Place the thermo switch in a container filled with water.
- Place a thermometer in the water.
- Slowly heat the water.
- Measure the continuity when the specified temperature is reached.



INSPECTING THE OIL LEVEL SENSOR CONTINUITY

Inspect:

- Oil level sensor continuity
- Out of specification → Replace.



Float position

Lead color

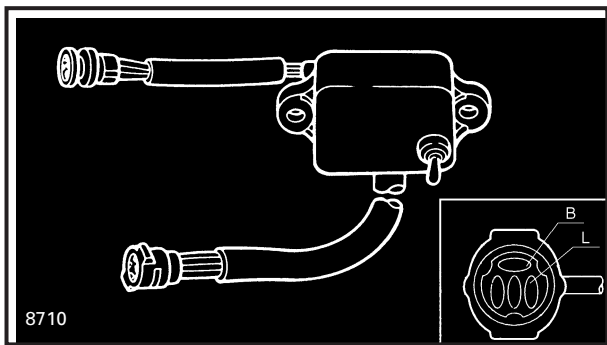
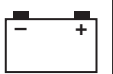
Black (B) White (W) Brown (Br) Red (R)

Float position	Black (B)	White (W)	Brown (Br)	Red (R)
Ⓐ ON	○	○		
Ⓐ OFF				
Ⓑ ON	○		○	
Ⓑ OFF				
Ⓒ ON	○			○
Ⓒ OFF				



Float distance

- Ⓐ: 3.3 - 6.3 mm (0.13 - 0.25 in)
- Ⓑ: 33.3 - 36.3 mm (1.31 - 1.43 in)
- Ⓒ: 53.3 - 56.3 mm (2.10 - 2.22 in)



INSPECTING THE EMERGENCY SWITCH

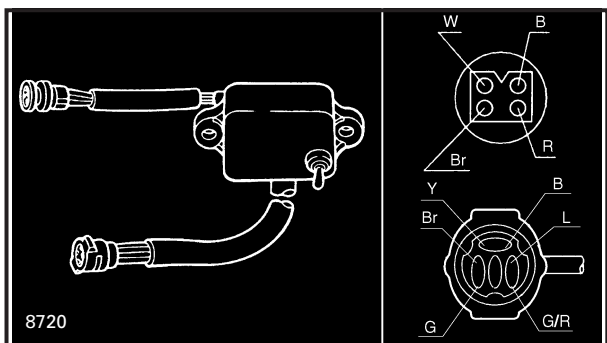
1. Inspect:

- Emergency switch continuity
Out of specification → Replace.

 Switch position	Lead color
	Blue (L) – Black (B)
Home (a)	No continuity
On (b)	Continuity

2. Inspect:

- Emergency switch
Does not automatically return to the home position → Replace.



MEASURING THE OIL PUMP CONTROL UNIT

Measure:

- Oil pump control unit resistance
Out of specification → Replace.



Oil pump control unit resistance
kΩ at 20°C (68°F)

⊖ \ ⊕	Yellow (Y)	*Yellow (Y)	Brown (Br)	Blue (L)	*Blue (L)	Black (B)	Green/red (G/R)	Green (G)	White (W)	Brown (Br)	Red (R)
Yellow (Y)			3.2 - 4.8	12.0 - 18.0	4.8 - 7.2	4.8 - 7.2	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0
Brown (Br)	∞	∞		4.8 - 7.2	1.6 - 2.4	1.6 - 2.4	8.0 - 12.0	6.4 - 9.6	8.0 - 12.0	8.0 - 12.0	8.0 - 12.0
Blue (L)	∞	∞	3.2 - 4.8			4.8 - 7.2	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0
Black (B)	∞	∞	1.6 - 2.4	3.2 - 4.8	0		8.0 - 12.0	8.0 - 12.0	8.0 - 12.0	8.0 - 12.0	8.0 - 12.0
Green/red (G/R)	∞	∞	∞	∞	∞	∞		∞	∞	∞	0
Green (G)	∞	∞	∞	∞	∞	∞	∞		∞	∞	∞
White (W)	∞	∞	8.0 - 12.0	16.0 - 24.0	8.0 - 12.0	8.0 - 12.0	16.0 - 24.0	16.0 - 24.0		16.0 - 24.0	16.0 - 24.0
Brown (Br)	∞	∞	8.0 - 12.0	16.0 - 24.0	8.0 - 12.0	8.0 - 12.0	16.0 - 24.0	16.0 - 24.0	16.0 - 24.0		16.0 - 24.0
Red (R)	∞	∞	∞	∞	∞	∞	0	∞	∞	∞	