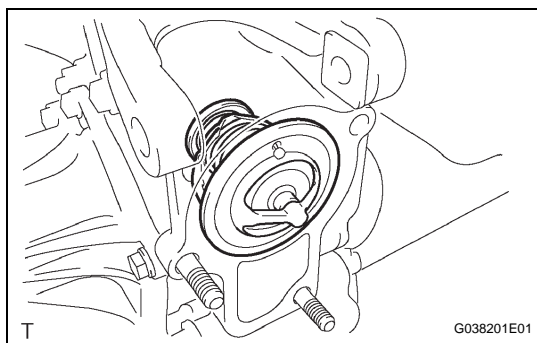
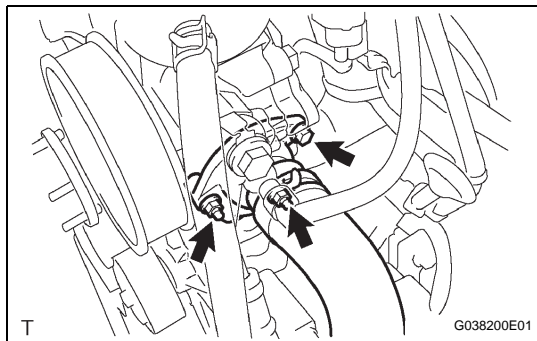


THERMOSTAT

REMOVAL

1. **DRAIN ENGINE COOLANT** (See page [CO-3](#))
2. **REMOVE WATER INLET**
 - (a) Remove the bolt and 2 nuts, then remove the water inlet.
 - (b) Remove the gasket from the timing chain cover.



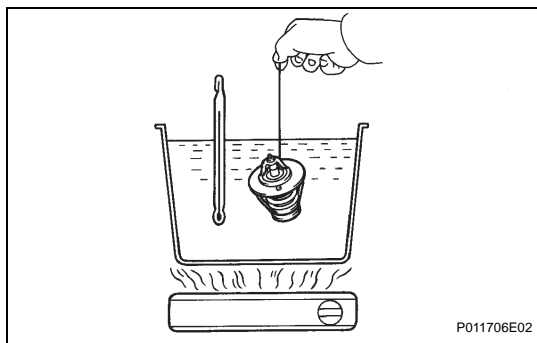
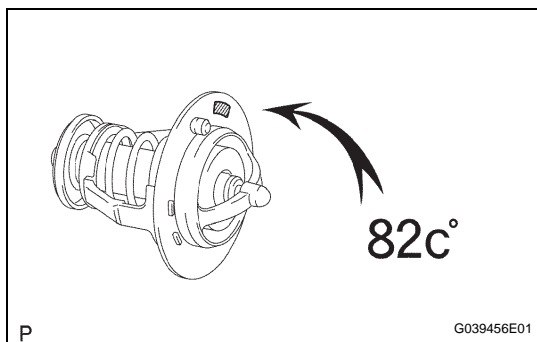
3. **REMOVE THERMOSTAT**
 - (a) Remove the thermostat from the timing chain cover.

INSPECTION

1. **INSPECT THERMOSTAT**

HINT:

The valve opening temperature is inscribed on the thermostat.

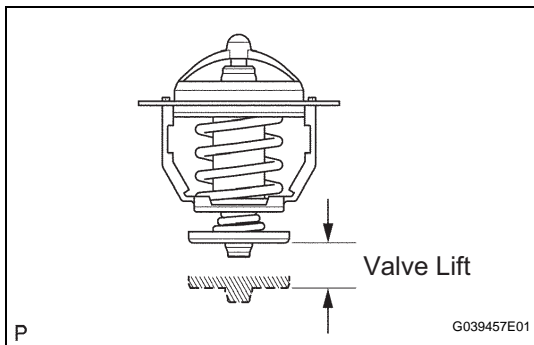


- (a) Immerse the thermostat in water, then gradually heat the water.
- (b) Check the valve opening temperature of the thermostat.

Valve opening temperature:

80 to 84°C (176 to 183°F)

If the valve opening temperature is not as specified, replace the thermostat.



- (c) Check the valve lift.

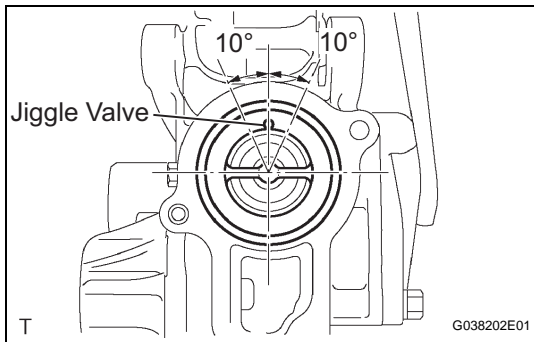
Valve lift:

8.5 mm (0.355 in.) or more at 95°C (203°F)

If the valve lift is not as specified, replace the thermostat.

- (d) Check that the valve is fully closed when the thermostat is at low temperatures (below 77°C (171°F)).

If not fully closed, replace the thermostat.



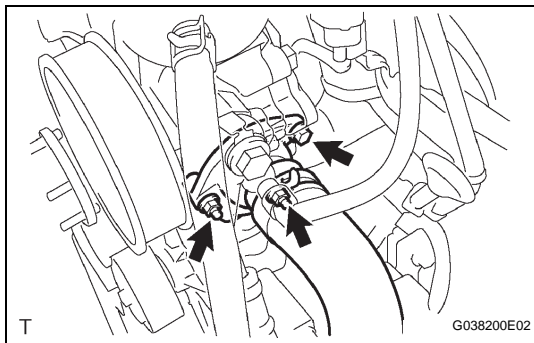
INSTALLATION

1. INSTALL THERMOSTAT

- (a) Install a new gasket onto the thermostat.
 (b) Install the thermostat with the jiggle valve upward.

HINT:

The jiggle valve may be set within 10° to either side of the prescribed position.



2. INSTALL WATER INLET

- (a) Install a new gasket and the water inlet with the bolt and 2 nuts.

Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)

3. ADD ENGINE COOLANT (See page [CO-3](#))

4. CHECK FOR ENGINE COOLANT LEAKAGE (See page [CO-2](#))