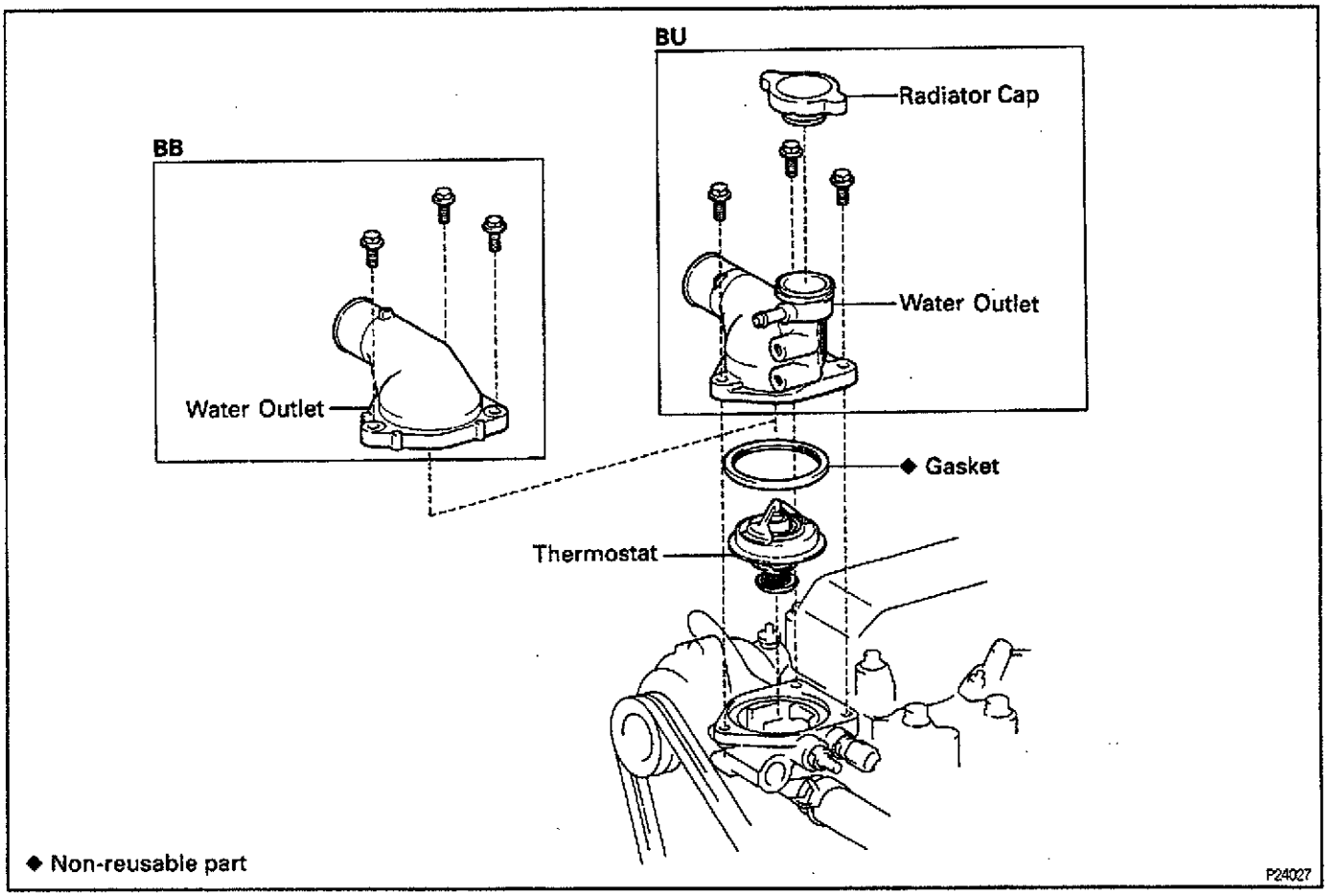
5. FILL WITH ENGINE COOLANT
6. START ENGINE, AND CHECK FOR COOLANT LEAKS

THERMOSTAT

B0180-12

COMPONENTS FOR REMOVAL AND INSTALLATION

EG



B0618-01

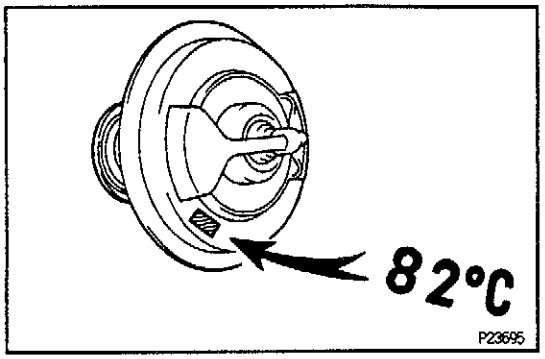
THERMOSTAT REMOVAL

HINT: Removal of the thermostat would have an adverse effect, causing a lowering of cooling efficiency. Do not remove the thermostat, even if the engine tends to overheat.

1. DRAIN ENGINE COOLANT
2. REMOVE WATER OUTLET AND THERMOSTAT

(a) Remove the 3 bolts, water outlet and thermostat.
(b) Remove the gasket from the thermostat.

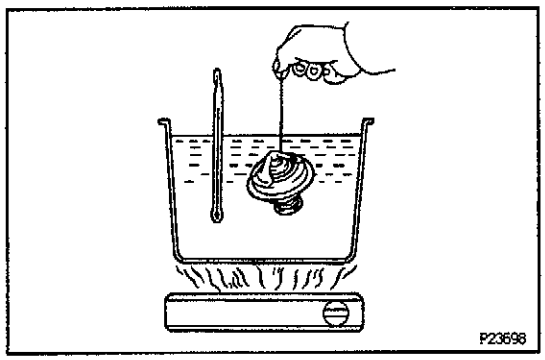
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THERMOSTAT INSPECTION

INSPECT THERMOSTAT

HINT: The thermostat is numbered with the valve opening temperature.



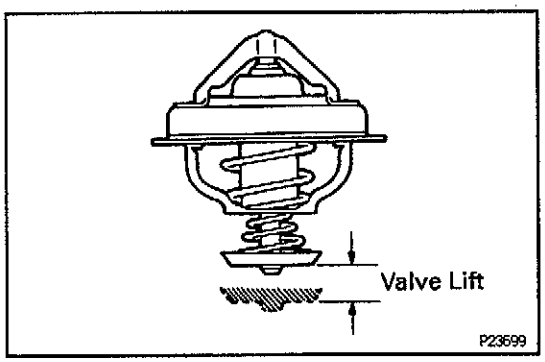
(a) Immerse the thermostat in water and gradually heat the water.

(b) Check the valve opening temperature.

Valve opening temperature:

80 – 84°C (176 – 183°F)

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



(c) Check the valve lift.

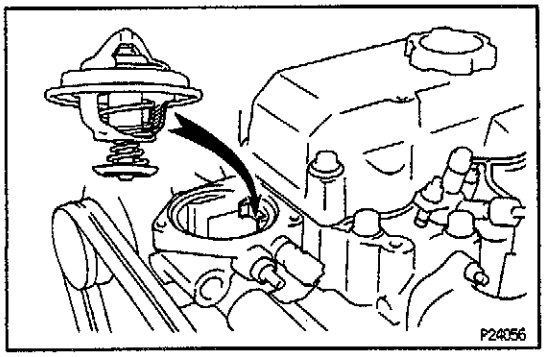
Valve lift:

10 mm (0.39 in.) or more at 95°C (203°F)

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

(d) Check that the valve spring is tight when the thermostat is fully closed.

If not closed, replace the thermostat.



THERMOSTAT INSTALLATION

1. **PLACE THERMOSTAT IN WATER OUTLET HOUSING**

(a) Install a new gasket to the thermostat.

(b) Insert the thermostat body between the water outlet housing protrusions.

2. **INSTALL WATER OUTLET**

Install the water inlet with the 3 bolts.

Torque: 18.5 N·m (189 kgf·cm, 14 ft·lbf)

3. **FILL WITH ENGINE COOLANT**

4. **START ENGINE, AND CHECK FOR COOLANT LEAKS**