Pivot bolt

59 N·m (600 kgf·cm, 44 ft·lbf)

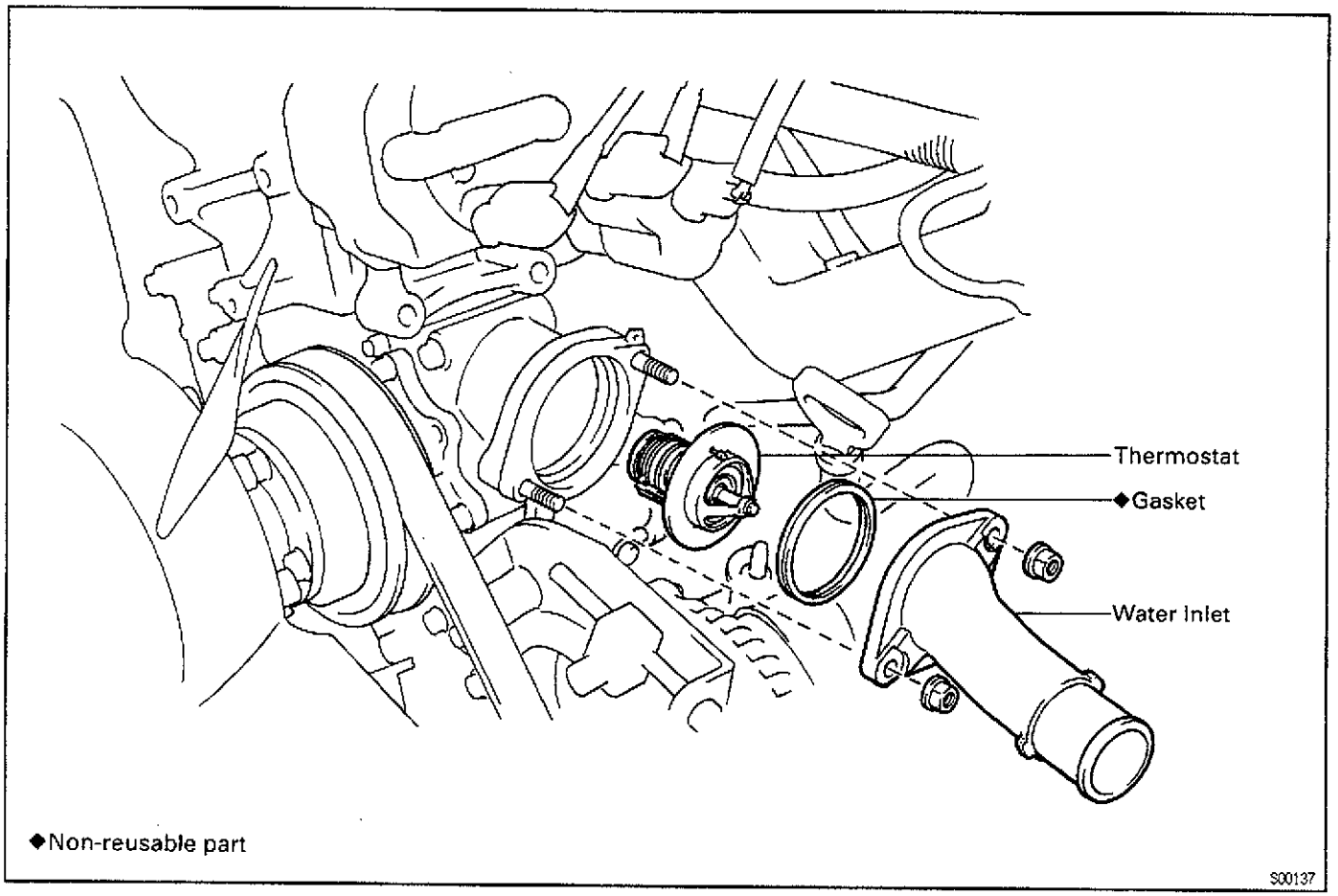
3. **FILL WITH ENGINE COOLANT**
4. **START ENGINE AND CHECK FOR COOLANT LEAKS**

THERMOSTAT

COMPONENTS FOR REMOVAL AND INSTALLATION

EG13D-1C

EG



THERMOSTAT REMOVAL

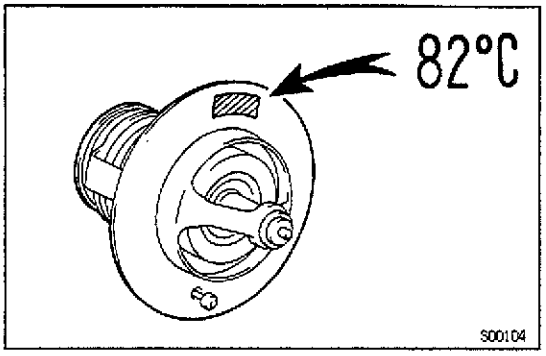
EGMRY-01

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 INLET AND THERMOSTAT**

(a) Remove the 2 nuts and water inlet.
(b) Remove the thermostat.
(c) Remove the gasket from the thermostat.

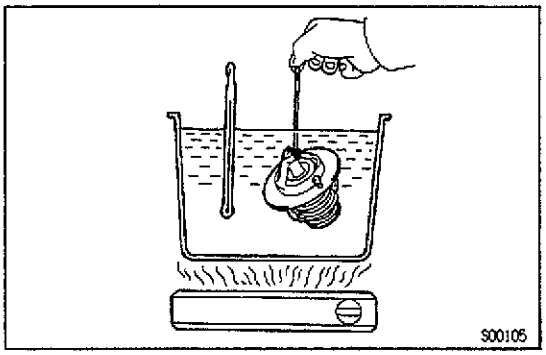
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THERMOSTAT INSPECTION

INSPECT THERMOSTAT

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



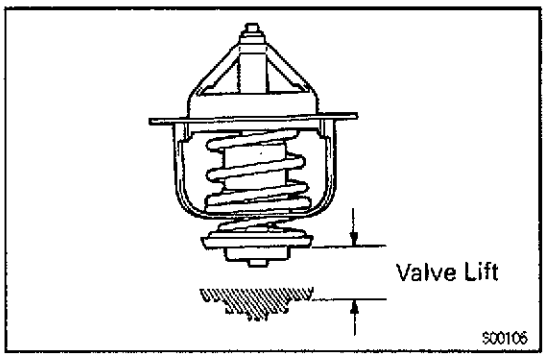
(a) Immerse the thermostat in water and gradually heat the water.

(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.

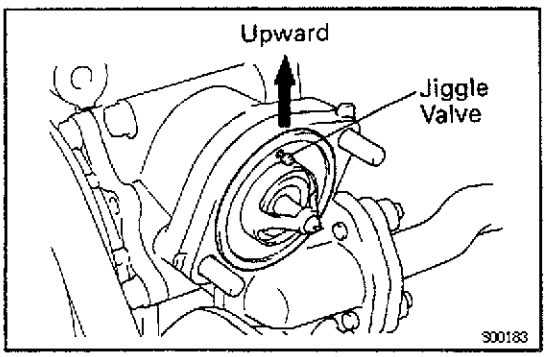
Valve lift:

8 mm (0.31 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 temperature (below 40°C (104°F)).

If not closed, replace the thermostat.



THERMOSTAT INSTALLATION

1. **PLACE THERMOSTAT IN CYLINDER BLOCK**

(a) Install a new gasket to the thermostat.

(b) Install the thermostat with the jiggle valve upward.

2. **INSTALL WATER INLET**

Install the water inlet with the 2 nuts.

Torque: 20 N·m (200 kgf·cm, 15 ft·lbf)

3. **FILL WITH ENGINE COOLANT**

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