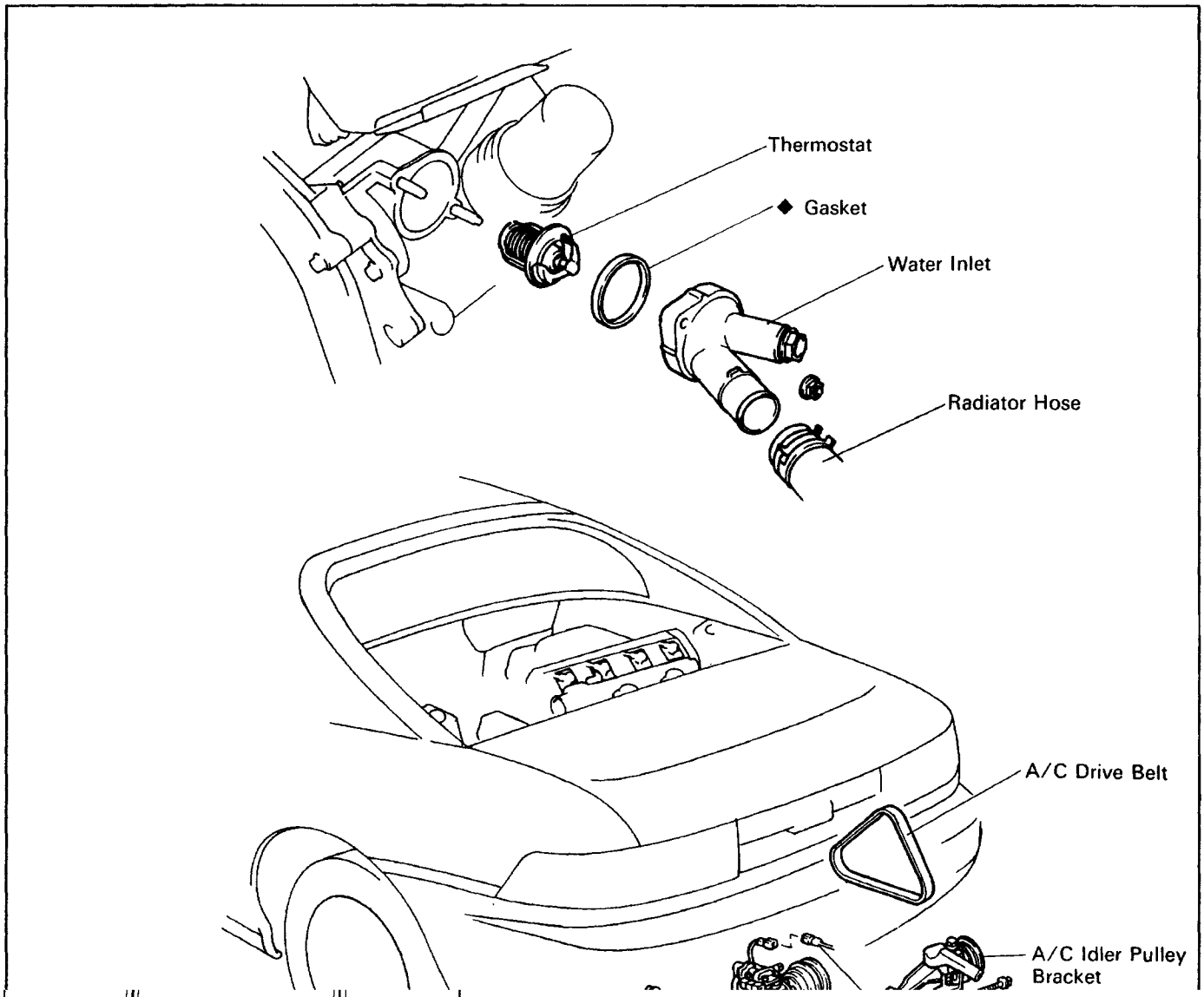
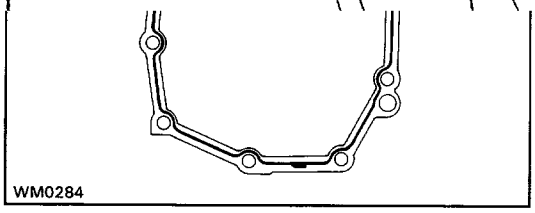
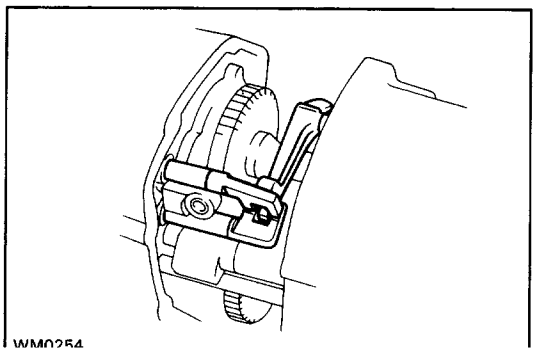
THERMOSTAT

EG13D–01

COMPONENTS FOR REMOVAL AND INSTALLATION







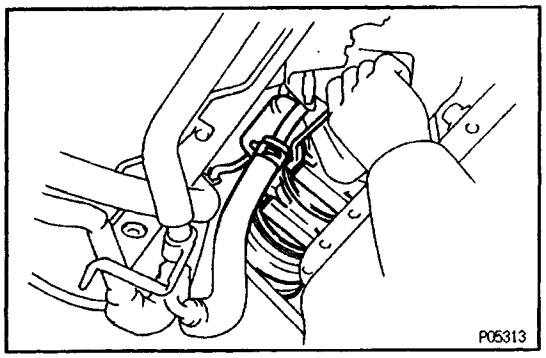
THERMOSTAT REMOVAL

EG13F–01

(See Components for Removal and Installation)

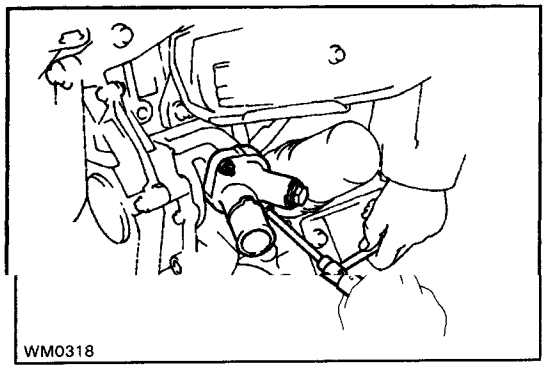
HINT: Removal of the thermostat would have an adverse effect, causing a lowering of cooling efficiency. Do not remove the thermostat, even if the engine tends to overheat.

1. DRAIN ENGINE COOLANT



2. DISCONNECT A/C COMPRESSOR FROM ENGINE
(See steps 1, 2 and 5 in Water Pump Removal)

3. DISCONNECT RADIATOR HOSE FROM WATER INLET



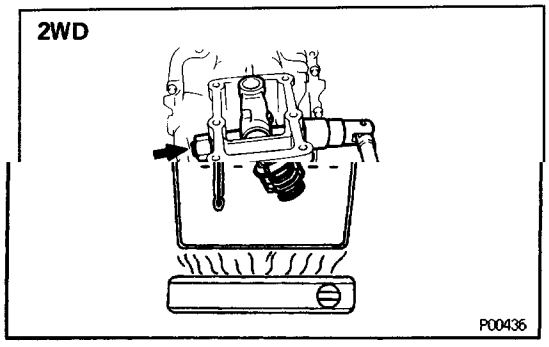
4. REMOVE WATER INLET AND THERMOSTAT

(a) Remove the two nuts and water inlet from the water pump cover.
(b) Remove the thermostat.
(e) Remove the gasket from the thermostat.

THERMOSTAT INSPECTION

INSPECT THERMOSTAT

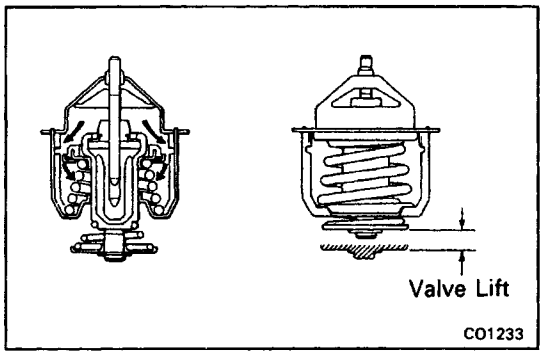
HINT: The thermostat is numbered with the valve opening temperature.



(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.

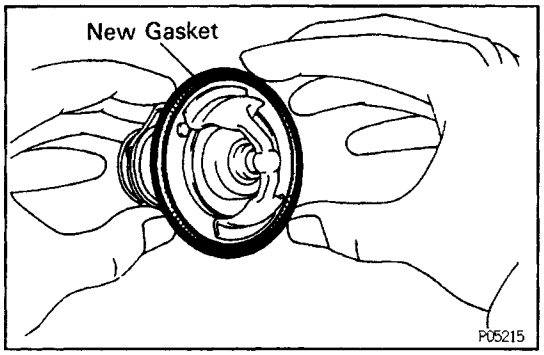
Valve lift:

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 spring is tight when the thermostat is fully closed.

If not closed, replace the thermostat.



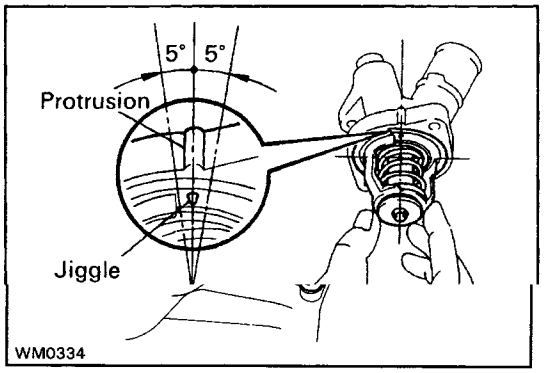
EG13J–01

THERMOSTAT INSTALLATION

(See Components for Removal and Installation)

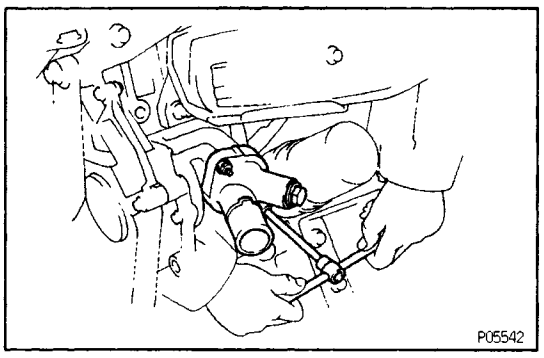
1. PLACE THERMOSTAT IN WATER PUMP

(a) Install a new gasket to the thermostat.



(b) Align the jiggle valve of the thermostat with the protrusion of the water inlet, and insert the thermostat in the water inlet.

HINT: The jiggle valve may be set within 5° of either side of the prescribed position.

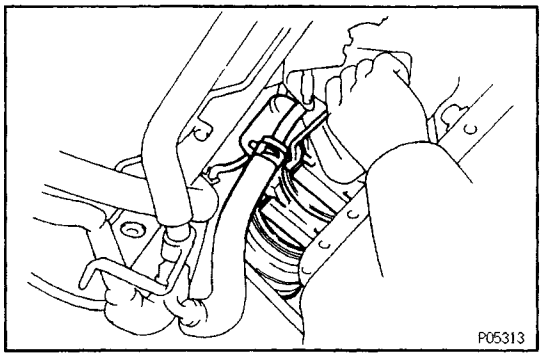


2. INSTALL WATER INLET AND THERMOSTAT

Install the water inlet and thermostat with the two nuts.

Torque: 8.8 N–m (90 kgf–cm, 78 in–lbf)

3. CONNECT RADIATOR HOSE TO WATER INLET



4. INSTALL A/C COMPRESSOR

(See steps 7, 8 and 12 in Water Pump Removal)

5. FILL WITH ENGINE COOLANT

6. START ENGINE AND CHECK FOR COOLANT LEAKS