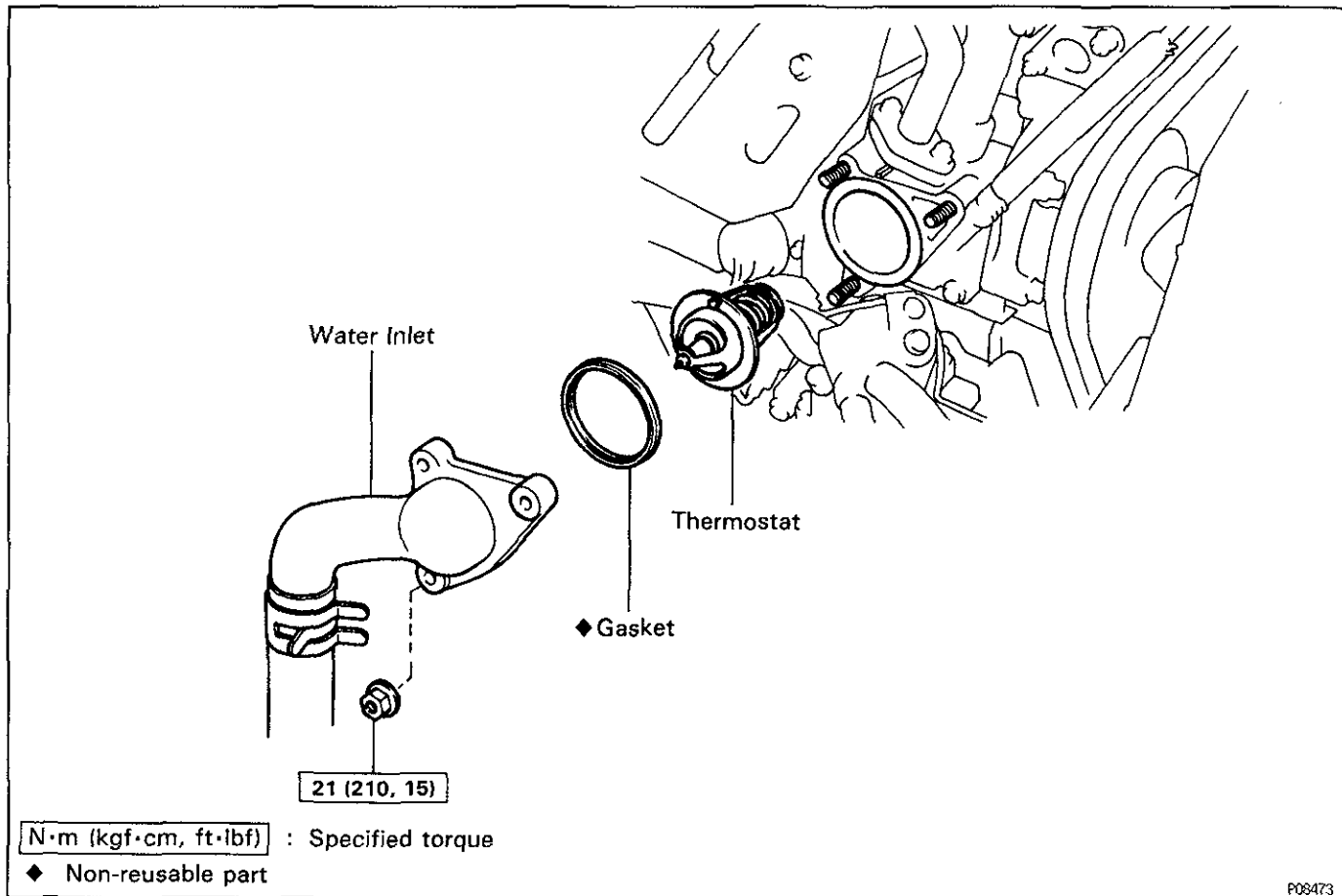


# THERMOSTAT COMPONENTS FOR REMOVAL AND INSTALLATION

EG13D-03

EG

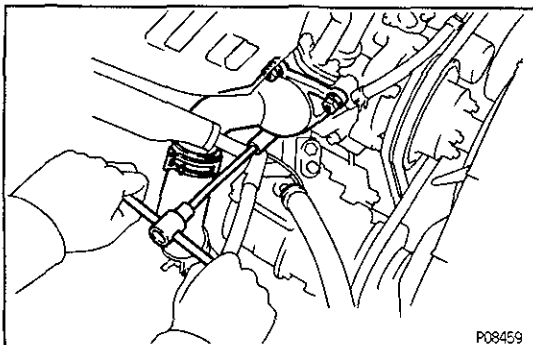


## THERMOSTAT REMOVAL

EG1J2-01

**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.

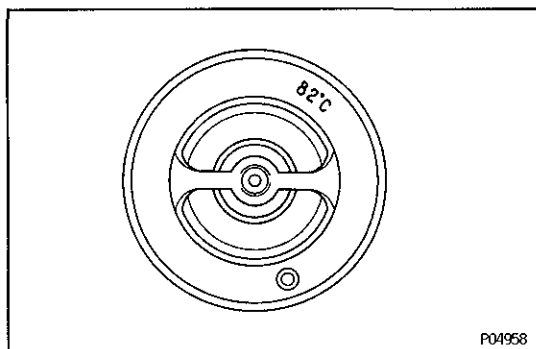
### 1. DRAIN ENGINE COOLANT



### 2. REMOVE WATER INLET AND THERMOSTAT

- (a) Remove the three nuts holding the water inlet to the inlet housing, and disconnect the water inlet from the inlet housing.
- (b) Remove the thermostat.
- (c) Remove the gasket from the thermostat.

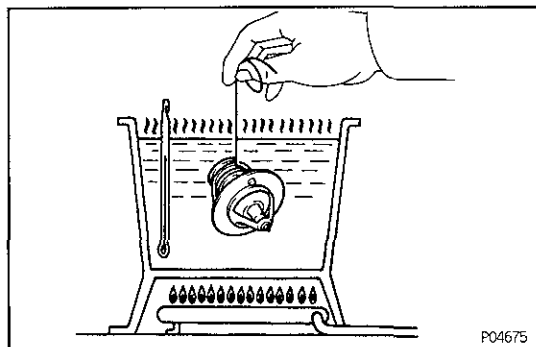
EG



## THERMOSTAT INSPECTION

### INSPECT THERMOSTAT

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

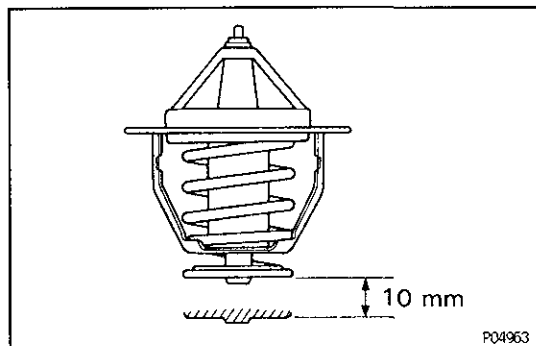


- (a) Immerse the thermostat in water and gradually heat the water.
- (b) Check the valve opening temperature.

**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.

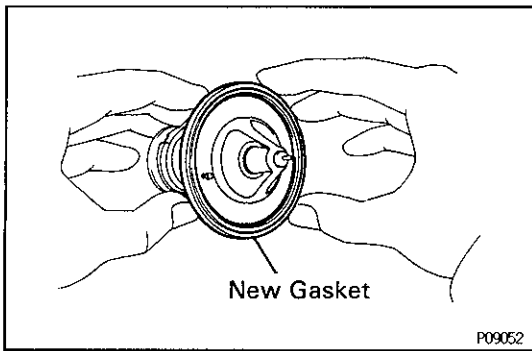
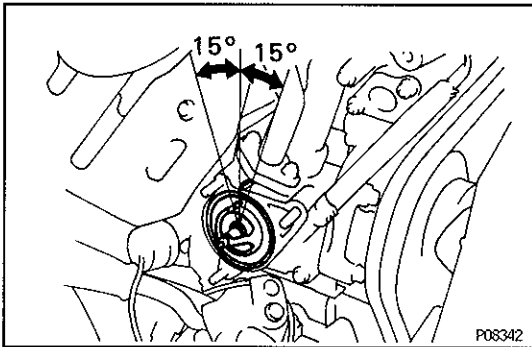
- (d) Check that the valve spring is tight when the thermostat is fully closed.  
If not closed, replace the thermostat.

## THERMOSTAT INSTALLATION

(See Components for Removal and Installation)

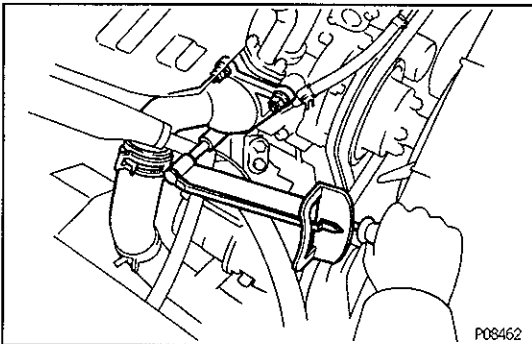
### 1. PLACE THERMOSTAT IN WATER PUMP

- (a) Install a new gasket to the thermostat.

**EG**

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

HINT: The jiggle valve may be set within 15° of either side of the prescribed position.



### 2. INSTALL WATER INLET

Install the water inlet with the three nuts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

### 3. FILL WITH ENGINE COOLANT

### 4. START ENGINE AND CHECK FOR LEAKS