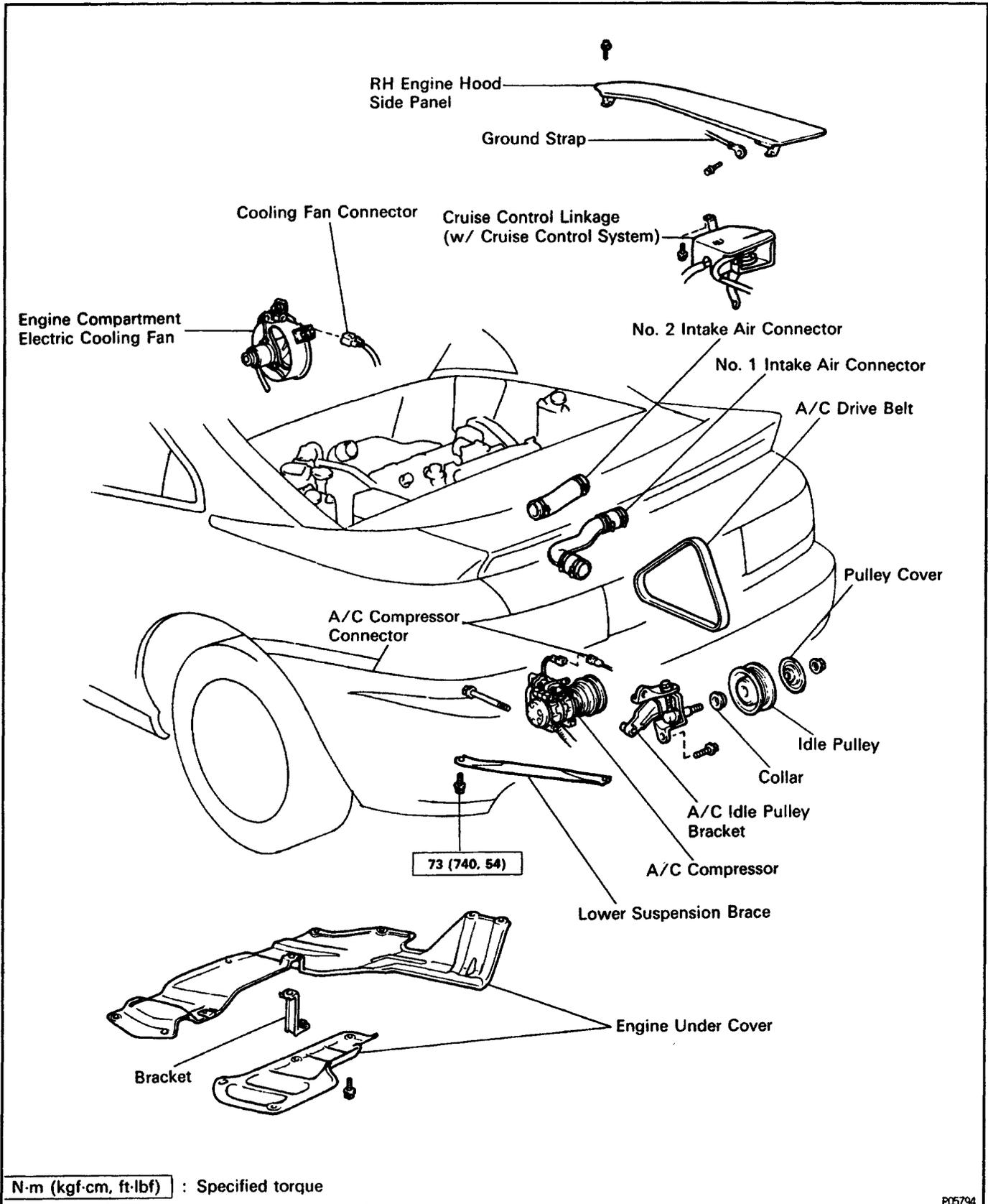
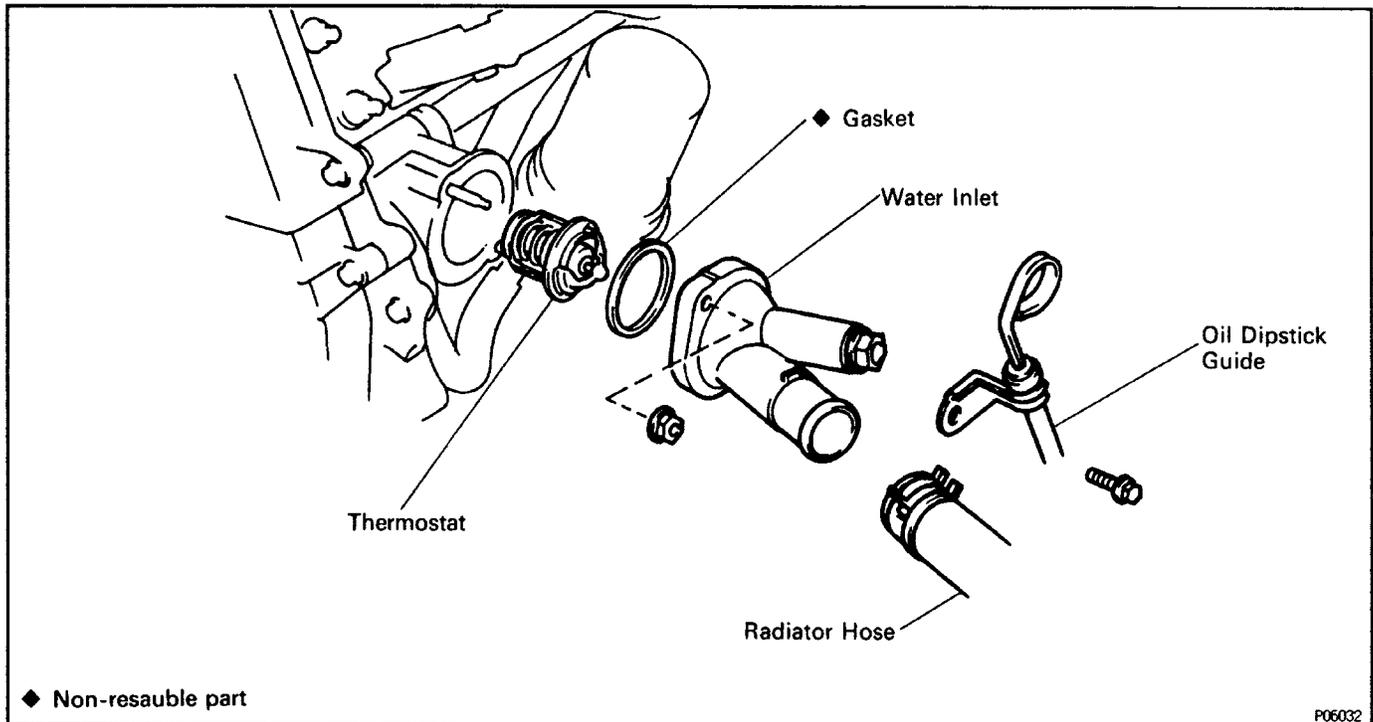


# THERMOSTAT COMPONENTS FOR REMOVAL AND INSTALLATION

EG62H-01



N·m (kgf·cm, ft·lbf) : Specified torque



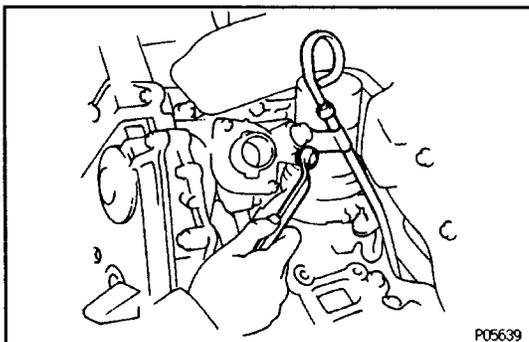
## THERMOSTAT REMOVAL

E002J-01

### (See Components for Removal and Installation)

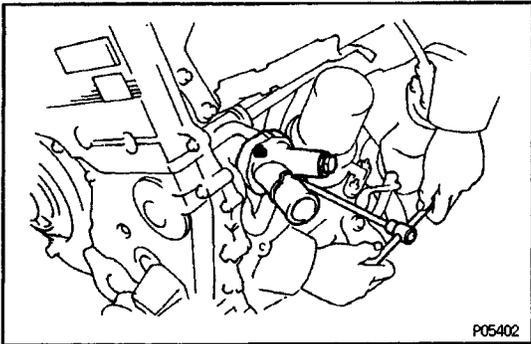
HINT: Removal of the thermostat would have an adverse effect, causing a lowering of cooling efficiency. Do not remove the thermostat, even if the engine tends to overheat.

1. **DISCONNECT A/C COMPRESSOR FROM ENGINE**  
(See steps 1, 2, 4, 7, 9 and 10 in Timing Belt Removal under Engine Mechanical)
2. **DRAIN ENGINE COOLANT**
3. **DISCONNECT RADIATOR HOSE FROM WATER INLET**



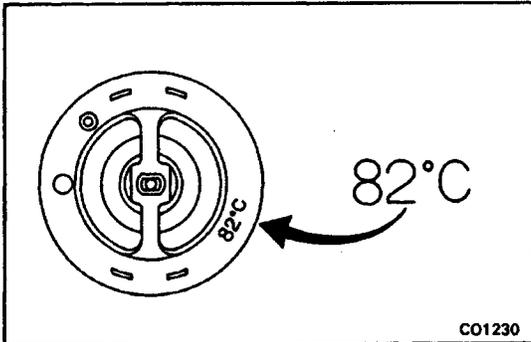
### 4. **DISCONNECT OIL DIPSTICK GUIDE FROM WATER INLET**

Remove the bolt, and disconnect the dipstick guide from the water inlet.



## 5. REMOVE WATER INLET AND THERMOSTAT

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

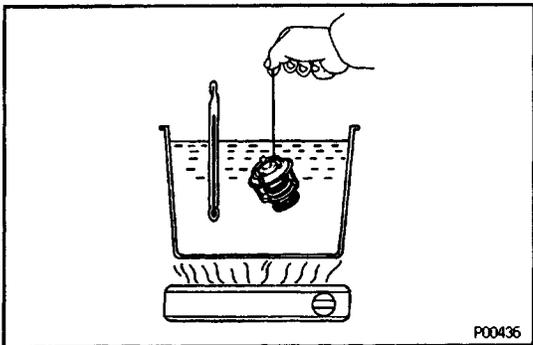


## THERMOSTAT INSPECTION

E0072-01

### INSPECT THERMOSTAT

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

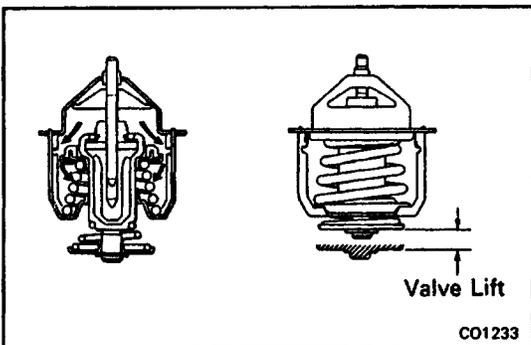


- (a) Immerse the thermostat in water and gradually heat the water.
- (b) Check the valve opening temperature.

**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.

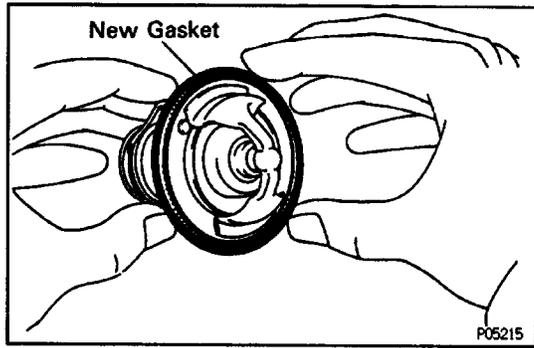
**Valve lift:**

**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.

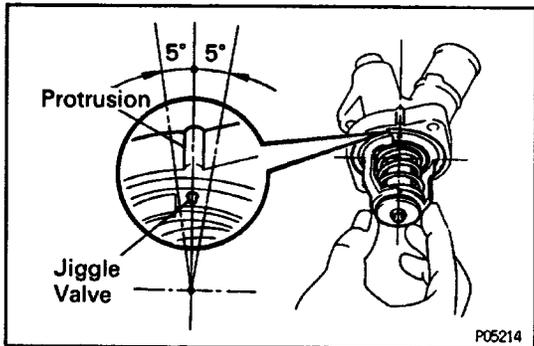


## THERMOSTAT INSTALLATION

(See Components for Removal and Installation)

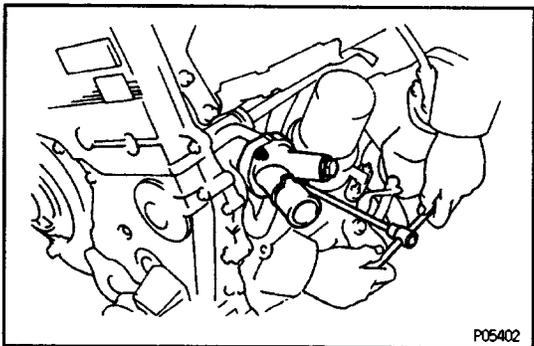
### 1. PLACE THERMOSTAT IN WATER PUMP

(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.

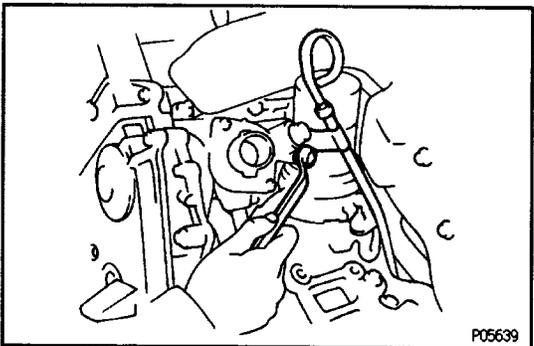
HINT: The jiggle valve may be set within 5° of either side of the prescribed position.



### 2. INSTALL WATER INLET AND THERMOSTAT

Install the water inlet and thermostat with the two nuts.

Torque: 7.8 N-m (80 kgf-cm, 69 in.-lbf)



### 3. INSTALL OIL DIPSTICK GUIDE TO WATER INLET

Install the dipstick guide with the bolt.

### 4. CONNECT RADIATOR HOSE TO WATER INLET

### 5. INSTALL A/C COMPRESSOR

(See steps 27, 28, 30, 33, 35 and 36 in Timing Belt Installation under Engine Mechanical)

### 6. FILL WITH ENGINE COOLANT

### 7. START ENGINE AND CHECK FOR COOLANT LEAKS