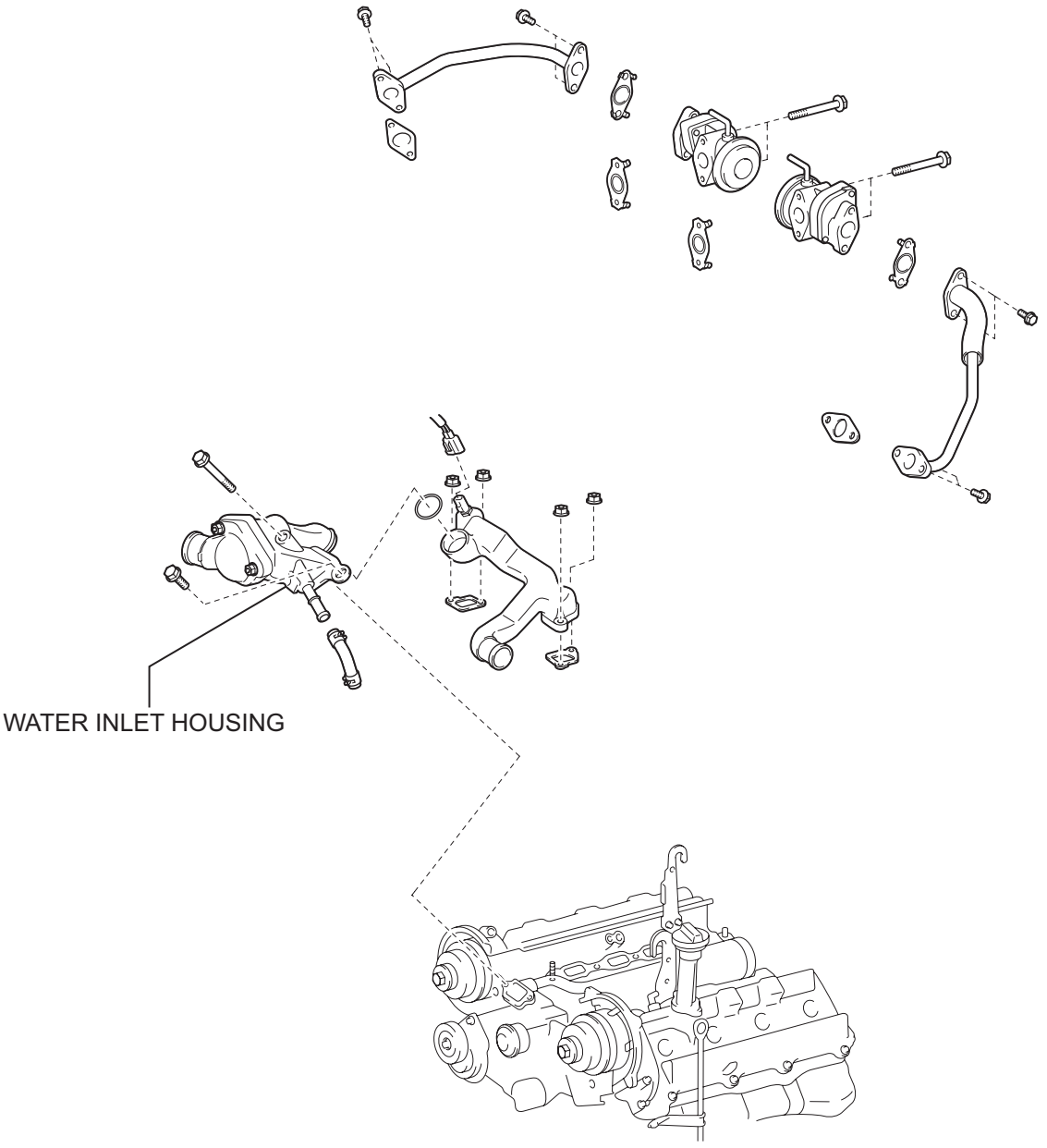
THERMOSTAT

COMPONENTS



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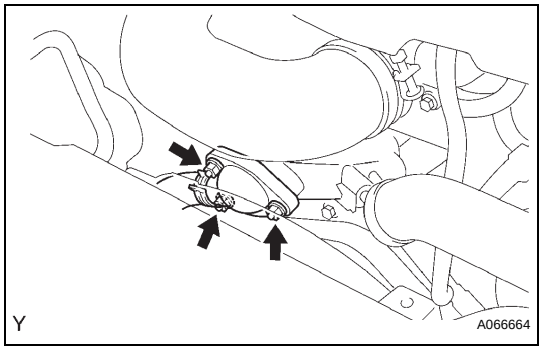
REMOVAL

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 (See page CO-3)**

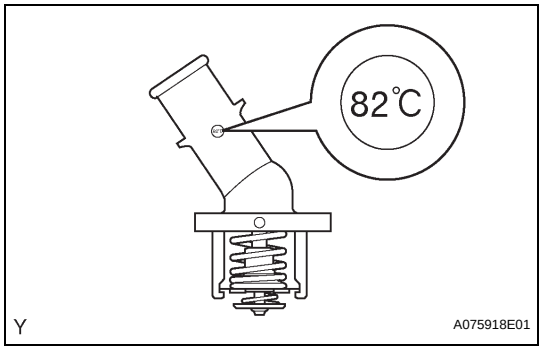
2. **SEPARATE WATER INLET HOUSING**
   (a) Remove the 3 nuts, and separate the water inlet from the water inlet housing.

3. **REMOVE THERMOSTAT**
   (a) Remove the thermostat.
   (b) Remove the gasket from the thermostat.

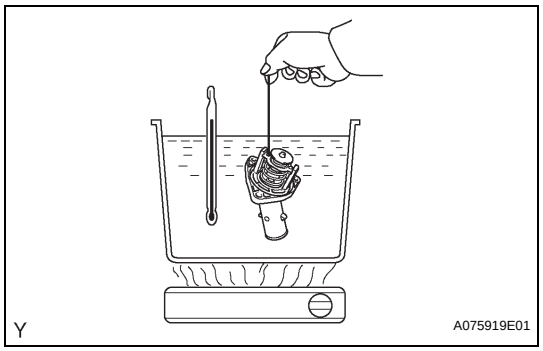


INSPECTION

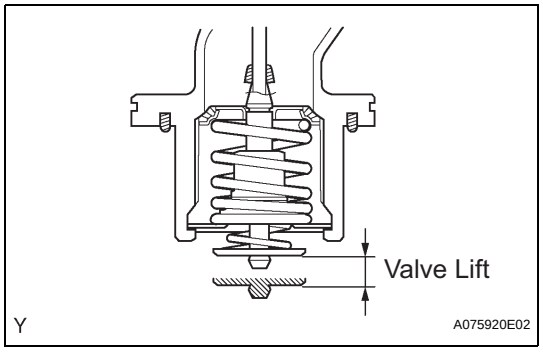
1. **INSPECT WATER INLET WITH THERMOSTAT**
   HINT:
   The valve opening temperature is inscribed on the thermostat.



   (a) Immerse the thermostat in water, then gradually heat the water.
   (b) Check the valve opening temperature of the thermostat.
   Valve opening temperature:
   80 to 84°C (176 to 183°F)
   If the valve opening temperature is not as specified, replace the thermostat.



   (c) Check the valve lift.
   Valve lift:
   8.0 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 fully closed, replace the thermostat.



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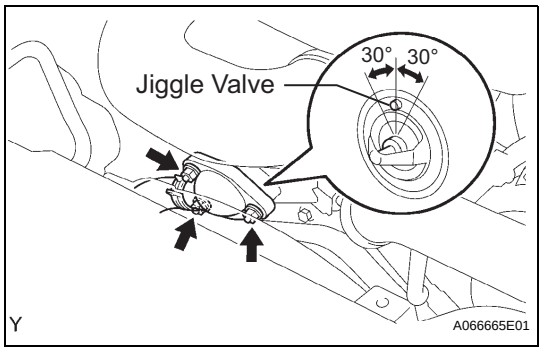

INSTALLATION

1. INSTALL THERMOSTAT

(a) Install a new gasket to the thermostat.

(b) Insert the thermostat into the water inlet housing with the jiggle valve facing straight upward.
HINT:
The jiggle valve may be set within 30° of either side of the prescribed position.

2. INSTALL WATER INLET HOUSING

(a) Install the water inlet with the 3 nuts.
Torque: 19 N*m (195 kgf*cm, 14 ft.*lbf)

3. FILL UP ENGINE COOLANT (See page CO-3)