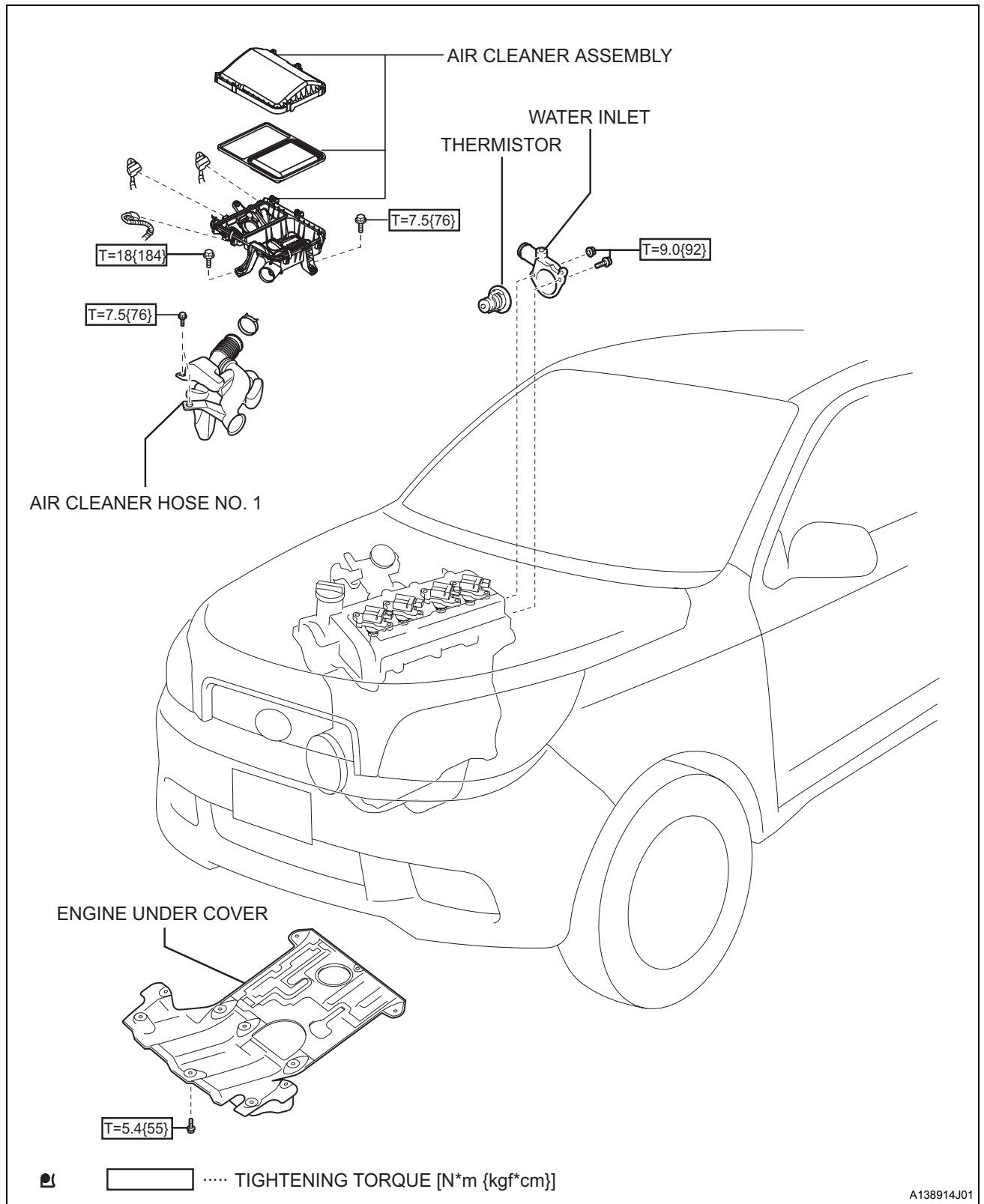


THERMOSTAT (3SZ-VE)

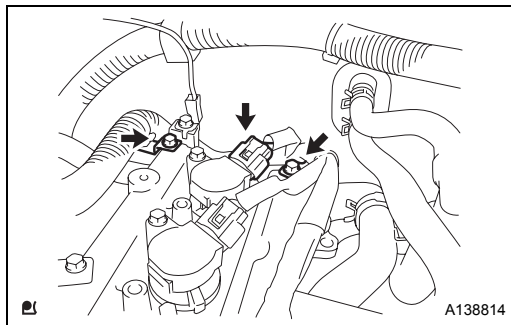
COMPONENTS



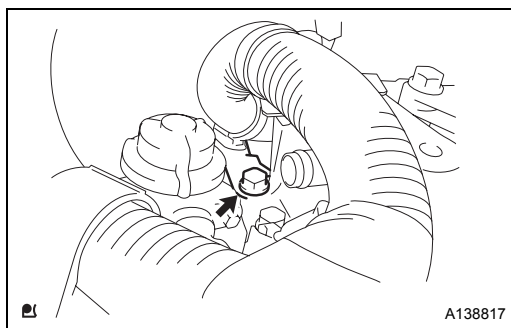
REMOVAL

1. REMOVE ENGINE UNDER COVER
2. DRAIN ENGINE COOLANT (See page CO-11)
3. REMOVE AIR CLEANER HOSE NO. 1 (See page CO-22)
4. REMOVE AIR CLEANER ASSEMBLY (See page EM-173)
5. REMOVE WATER INLET

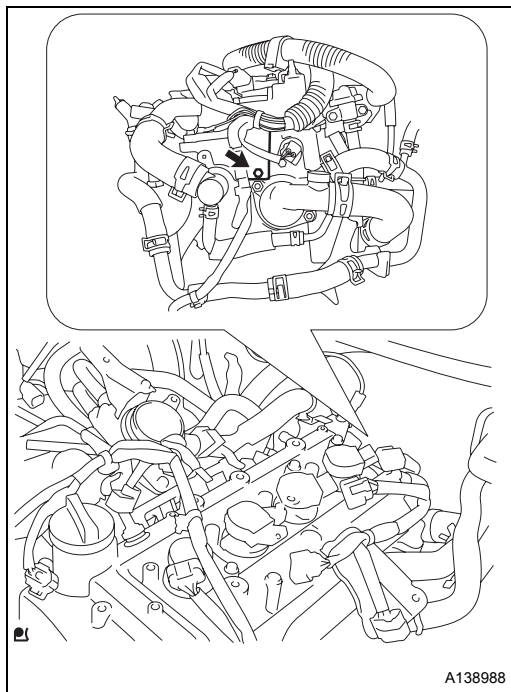
(a) Remove the bolt. Then remove the harness clamp.

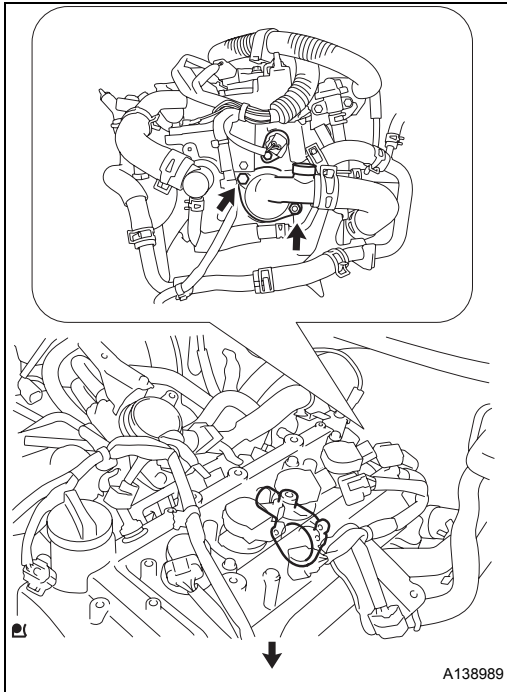


(b) Disconnect the connector.



- (c) Remove the bolt. Then remove the harness clamp.
- (d) Disconnect the connector.





(e) Remove the bolt and the nut. Then remove the water inlet.

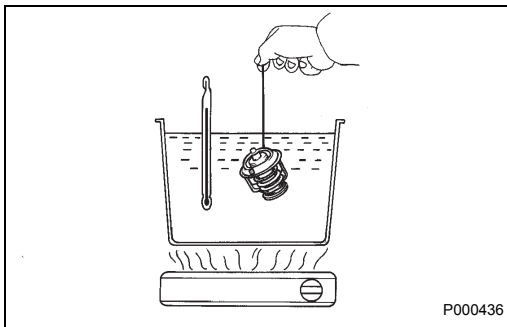
6. REMOVE THERMOSTAT

(a) Remove the thermostat.

INSPECTION

1. THERMOSTAT

(a) Before heating, measure the dimension with the valve fully closed.



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

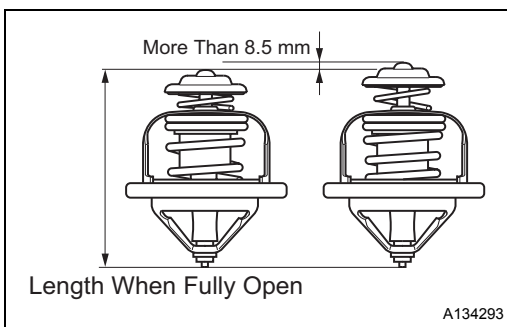
(c) Check the valve opening temperature.

Standard:

78 - 82°C

HINT:

- The thermostat is stamped with the valve opening temperature.
- If the valve opening temperature is not as specified, replace the thermostat.



(d) Check the valve lift.

Standard:

Valve lift 8.5 mm or more

Temperature with the valve fully open 93°C

HINT:

If the valve lift is not as specified, replace the thermostat.

(e) Check that the valve is fully closed when the thermostat is at low temperature (below 75°C/167°F).

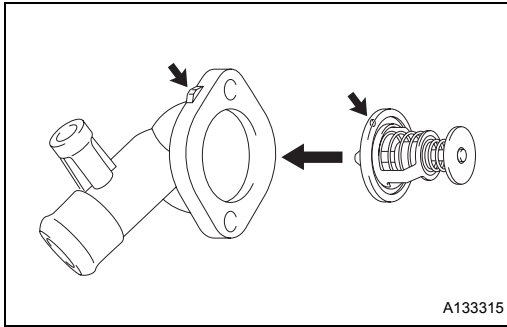
HINT:

If the valve is not fully closed, replace the thermostat.

INSTALLATION

1. INSTALL THERMOSTAT

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



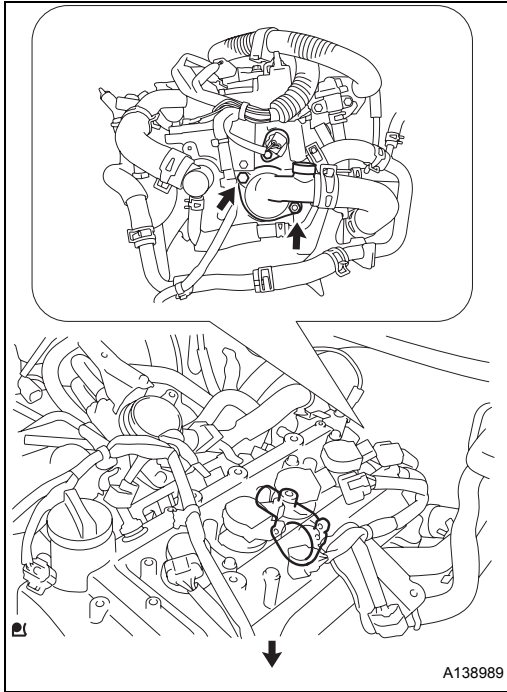
- (b) Install the thermostat, aligning the water inlet matchmark and the thermostat jiggle valve.

2. INSTALL WATER INLET

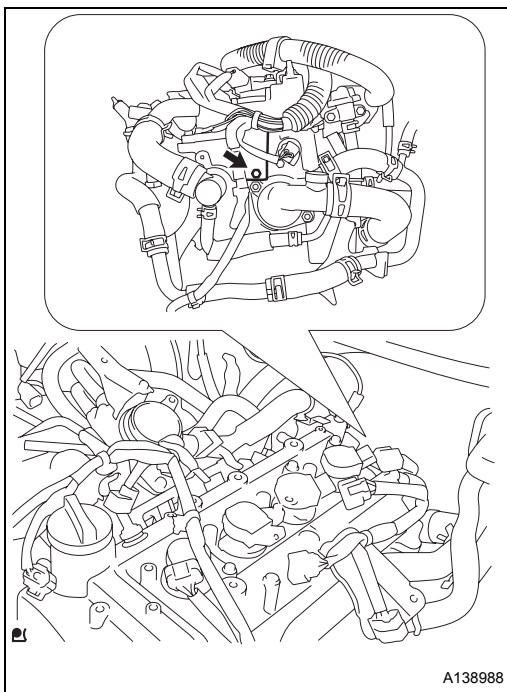
- (a) Using a preset torque wrench, install the water inlet with the bolt and nut.

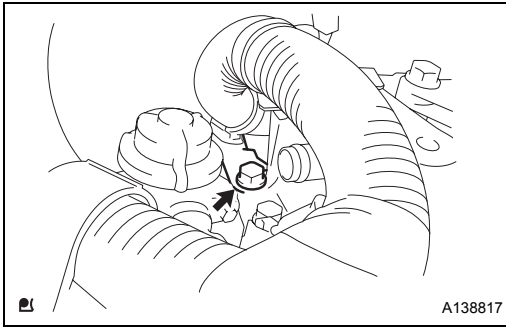
Torque: 9.0 N*m (92 kgf*cm)

- (b) Connect the connector.

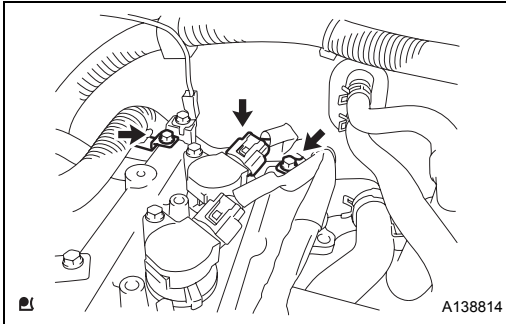


- (c) Install the wire harness clamp with the bolt.





(d) Install the wire harness clamp with the bolt.



(e) Install the wire harness clamp with the bolt.

(f) Connect the connector.

3. **INSTALL AIR CLEANER ASSEMBLY** (See page EM-194)
4. **INSTALL AIR CLEANER HOSE NO. 1** (See page CO-26)
5. **REFILL ENGINE COOLANT** (See page CO-9)
6. **CHECK FOR ENGINE COOLANT LEAKS** (See page CO-10)
7. **CHECK COOLANT LEVEL** (See page CO-10)
8. **INSTALL ENGINE UNDER COVER** (See page CO-26)

