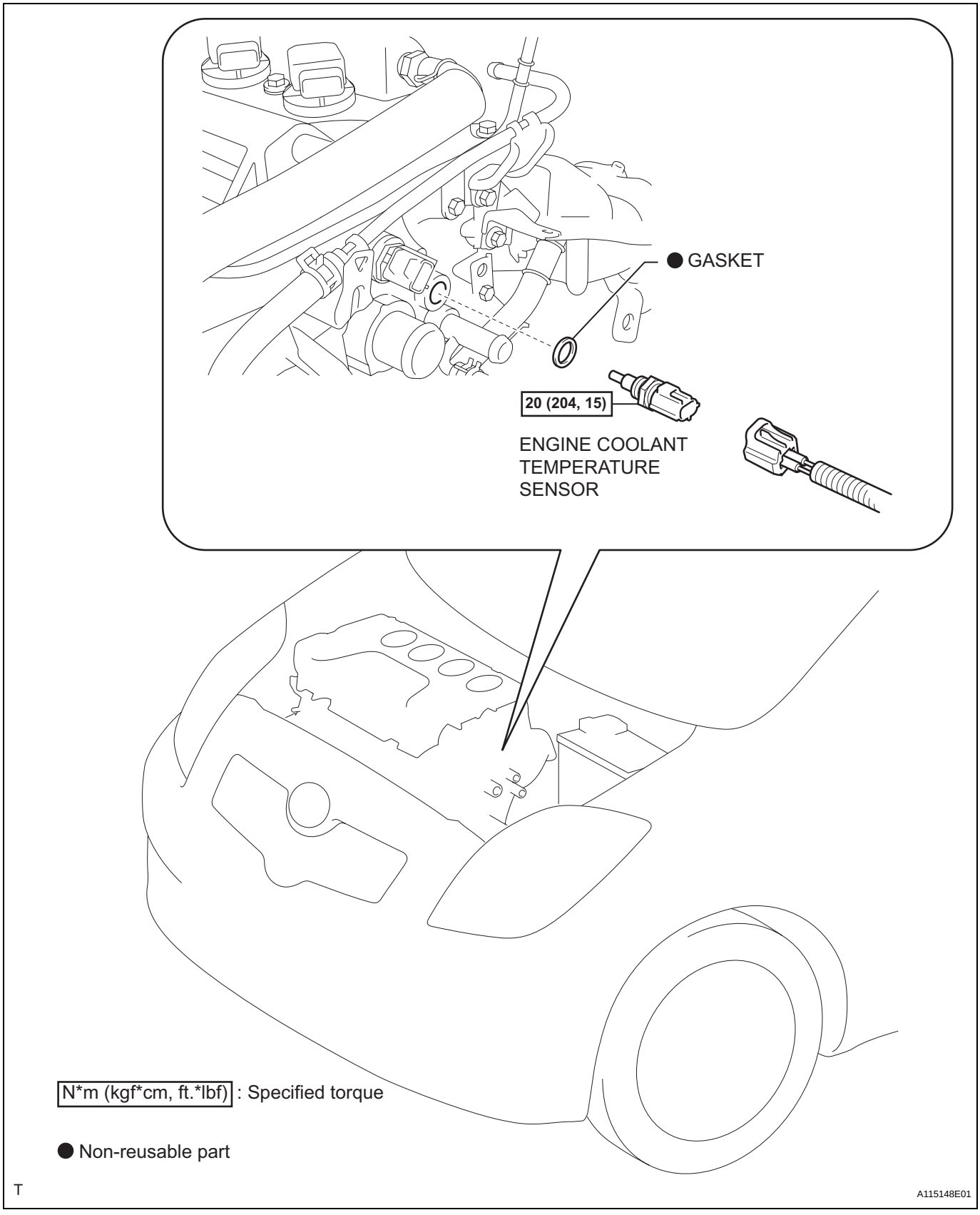
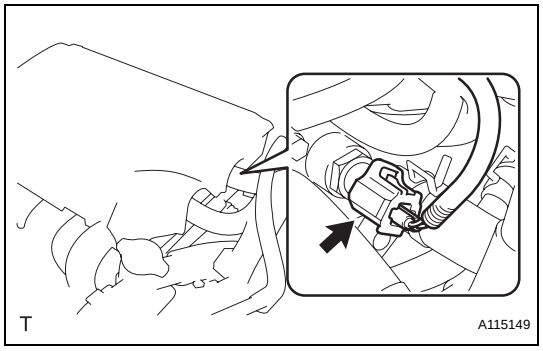
ENGINE COOLANT TEMPERATURE SENSOR

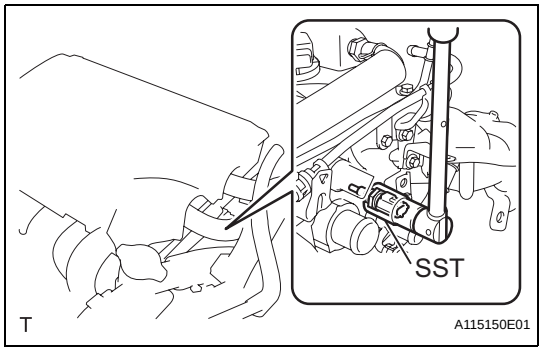
COMPONENTS



REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **DRAIN ENGINE COOLANT (See page CO-8)**
3. **REMOVE ENGINE COOLANT TEMPERATURE SENSOR**
   (a) Disconnect the engine coolant temperature sensor connector.



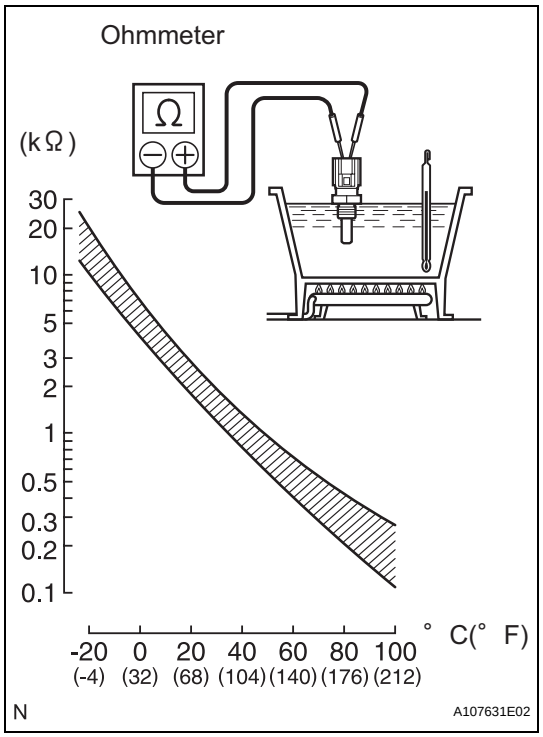


   (b) Using SST, remove the engine coolant temperature sensor.
   SST 09817-33190

INSPECTION

1. **INSPECT ENGINE COOLANT TEMPERATURE SENSOR**
   (a) Check the resistance.
      (1) Using an ohmmeter, measure the resistance between the terminals.
      Standard resistance

Condition	Specified Condition
Approximately 20°C (68°F)	2.32 to 2.59 kΩ
Approximately 80°C (176°F)	0.310 to 0.326 kΩ



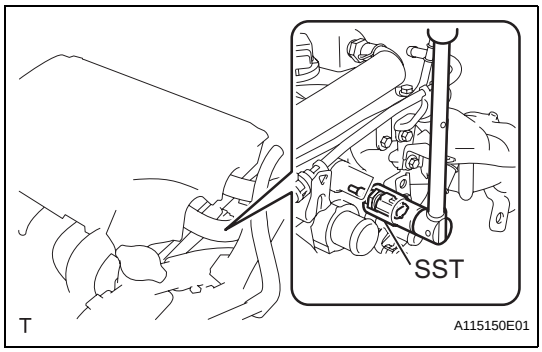
NOTICE:
When checking the engine coolant temperature sensor in water, keep the terminals dry. After the check, wipe the sensor dry.
If the resistance is not as specified, replace the engine coolant temperature sensor.

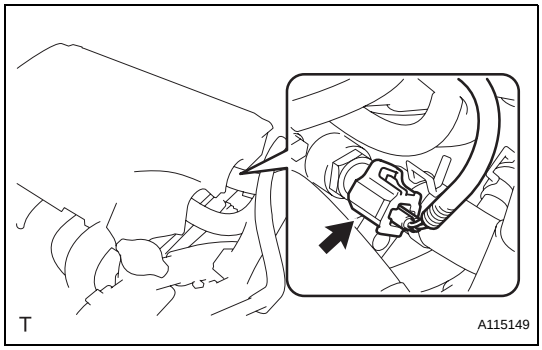
INSTALLATION

1. INSTALL ENGINE COOLANT TEMPERATURE SENSOR

(a) Provisionally install the engine coolant temperature sensor through a new gasket.

(b) Using SST, tighten the engine coolant temperature sensor.
SST 09817-33190
Torque: 20 N*m (204 kgf*cm, 15 ft.*lbf)





(c) Connect the engine coolant temperature sensor connector.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

3. ADD ENGINE COOLANT (See page CO-8)

4. CHECK FOR ENGINE COOLANT LEAKAGE (See page CO-1)