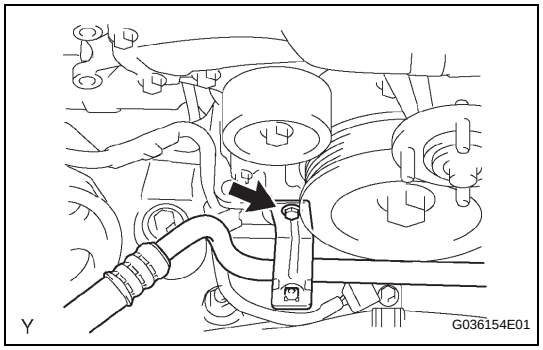
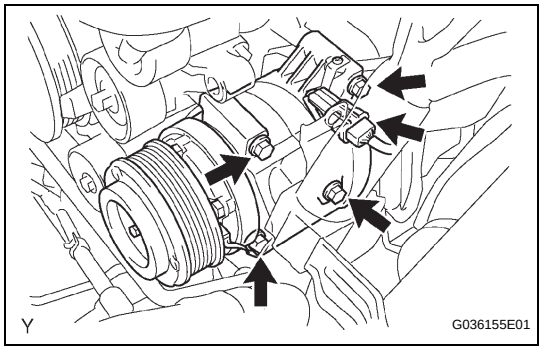
CRANKSHAFT POSITION SENSOR

REMOVAL

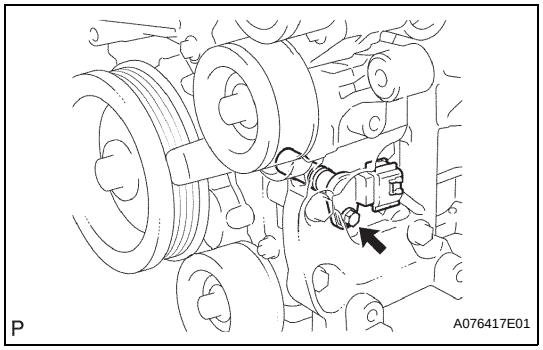
1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE V-BANK COVER (See page ES-414)**
3. **REMOVE FAN SHROUD (See page CO-15)**
4. **REMOVE GENERATOR ASSEMBLY (See page CH-7)**
5. **SEPARATE COOLER COMPRESSOR ASSEMBLY**
   (a) Remove the bolt, then separate the suction hose sub-assembly.





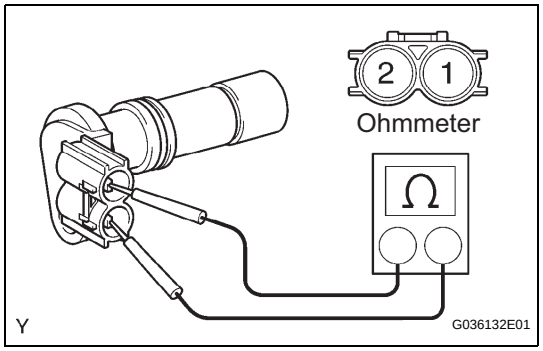
   (b) Disconnect the cooler compressor assembly connector.
   (c) Remove the 4 bolts, then separate the cooler compressor assembly from the V-ribbed belt tensioner assembly.

6. **REMOVE CRANKSHAFT POSITION SENSOR**
   (a) Disconnect the crankshaft position sensor connector.
   (b) Remove the bolt, then remove the crankshaft position sensor.



INSPECTION

1. **INSPECT CRANKSHAFT POSITION SENSOR**
   (a) Check the resistance.
      (1) Using an ohmmeter, measure the resistance between the terminals.
      Standard:
      1850 to 2450 Ω at 20°C (68°F)
      If the result is not as specified, replace the crankshaft position sensor.



INSTALLATION

1. **INSTALL CRANKSHAFT POSITION SENSOR**
   (a) Apply a light coat of engine oil to the O-ring of the crankshaft position sensor.
   (b) Install the crankshaft position sensor with the bolt.
   Torque: 10 N*m (102 kgf*cm, 7.4 in.*lbf)
   (c) Connect the crankshaft position sensor connector.
2. **INSTALL COOLER COMPRESSOR ASSEMBLY**
   (a) Install the cooler compressor assembly with the 4 bolts.
   Torque: 25 N*m (255 kgf*cm, 18 ft.*lbf)
   (b) Connect the cooler compressor assembly connector.
   (c) Install the suction hose sub-assembly with the bolt.
   Torque: 8.0 N*m (82 kgf*cm, 71 in.*lbf)
3. **INSTALL GENERATOR ASSEMBLY (See page CH-13)**
4. **INSTALL FAN SHROUD (See page CO-20)**
5. **INSTALL V-BANK COVER (See page ES-416)**
6. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
   Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

ES