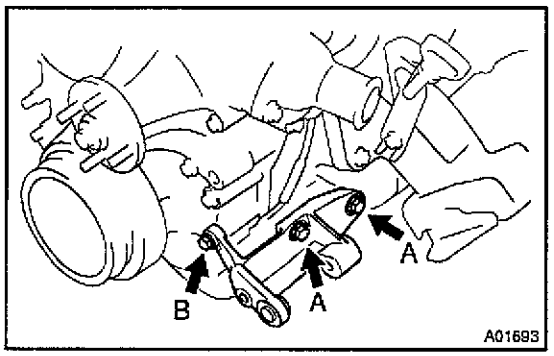


CRANKSHAFT POSITION SENSOR(2RZ–FE, 3RZ–FE)

IG04I–01

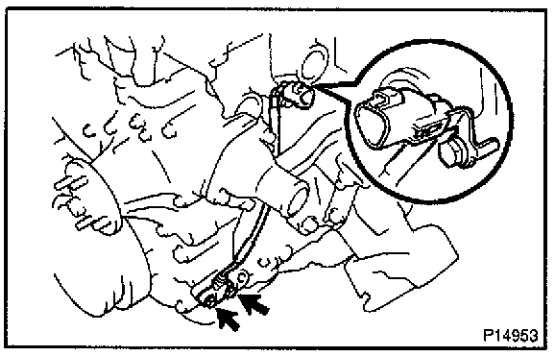
REMOVAL

1. **REMOVE ENGINE UNDER COVER**
2. **REMOVE GENERATOR**
   (See page CH–7)
3. **REMOVE GENERATOR BRACKET**

Remove the 3 bolts and bracket.

Torque:
Bolt A: 74.5 N·m (760 kgf·cm, 55 ft·lbf)
Bolt B: 18 N·m (180 kgf·cm, 13 ft·lbf)

4. **DISCONNECT CRANKSHAFT POSITION SENSOR CONNECTOR**



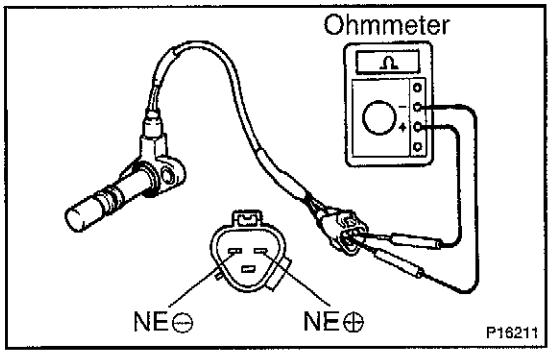
5. **REMOVE CRANKSHAFT POSITION SENSOR**

(a) Remove the 2 bolts and crankshaft position sensor.
Torque: 8.5 N·m (85 kgf·cm, 74 in.·lbf)

(b) Remove the O–ring.

HINT:

- At the time of assembly, please refer to the following items.
- Apply a light coat of engine oil on the O–ring.
- Install the crankshaft position sensor with the new O–ring.



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INSPECTION

NOTICE:

"Cold" and "Hot" in these sentences express the temperature of the sensors themselves. "Cold" is from –10°C (14°F) to 50°C (122°F) and "Hot is from 50°C (122°F) to 100°C (212°F).

INSPECT CRANKSHAFT POSITION SENSOR RESISTANCE

Using an ohmmeter, measure the resistance between terminals.

Resistance (NE⊕ and NE⊖):

Cold: 1,630 – 2,740 Ω

Hot: 2,065 – 3,225 Ω

If the resistance is not as specified, replace the crankshaft position sensor.

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INSTALLATION

Installation is in the reverse order of removal.
(See page IG–11)