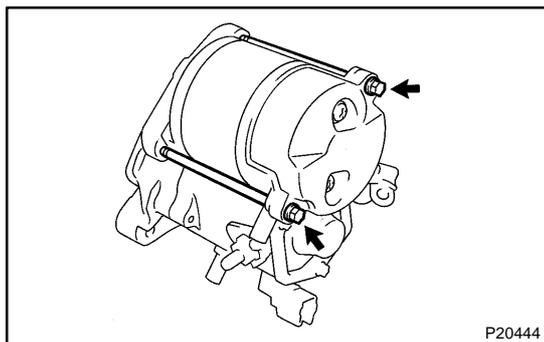


DISASSEMBLY

1. REMOVE FIELD FRAME AND ARMATURE

- (a) Remove the nut, and disconnect the lead wire from the magnetic switch terminal.

Torque: 5.9 N·m (60 kgf·cm, 52 in.-lbf)



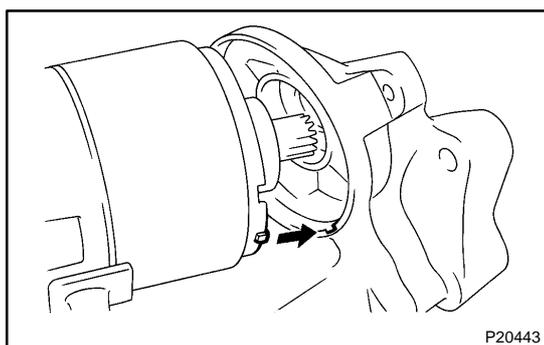
- (b) Remove the 2 through bolts.

Torque:

5.9 N·m (60 kgf·cm, 52 in.-lbf) for 1.4 kW

9.3 N·m (95 kgf·cm, 82 in.-lbf) for 1.8 kW

- (c) Pull out the field frame with the armature from the magnetic switch assembly.



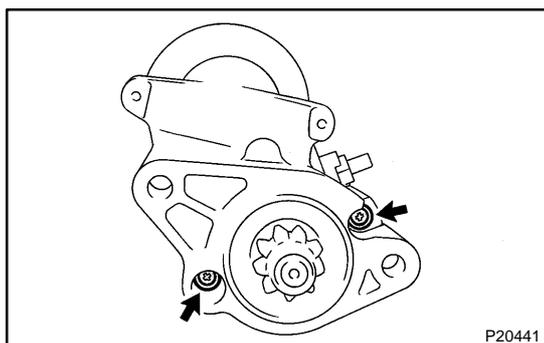
HINT:

At the time of reassembly, please refer to the following items. Align the protrusion of the field frame with the cutout of the magnetic switch.

- (d) Remove the O-ring.

HINT:

At the time of reassembly, please refer to the following items. Use a new O-ring.



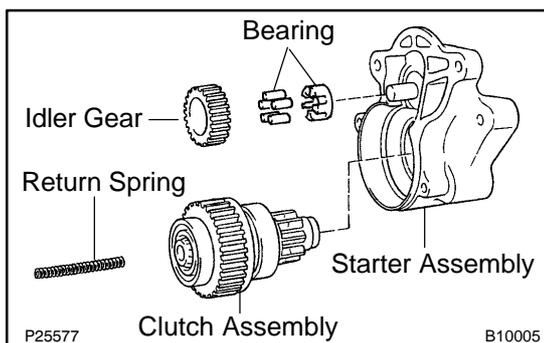
2. REMOVE STARTER HOUSING, CLUTCH ASSEMBLY AND GEAR

- (a) Remove the 2 screws.

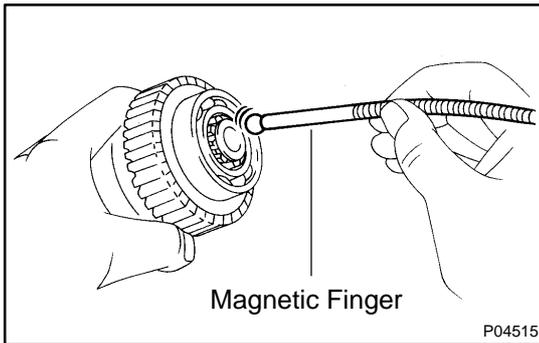
Torque:

5.9 N·m (60 kgf·cm, 52 in.-lbf) for 1.4 kW

9.3 N·m (95 kgf·cm, 82 in.-lbf) for 1.8 kW

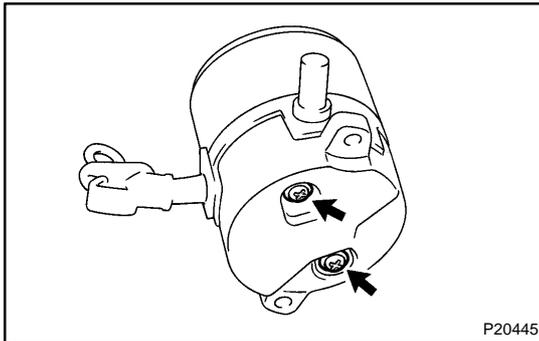


- (b) Remove the starter housing, return spring, the clutch assembly, idler gear and bearing from the magnetic switch assembly.



3. REMOVE STEEL BALL

Using a magnetic finger, remove the steel ball from the clutch shaft hole.



4. REMOVE BRUSH HOLDER

(a) Remove the 2 screws end frame from the field frame.

Torque:

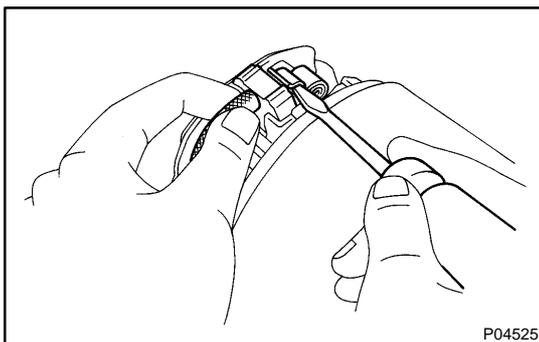
1.5 N·m (15 kgf·cm, 13 in.-lbf) for 1.4 kW

3.8 N·m (39 kgf·cm, 34 in.-lbf) for 3.8 kW

(b) Remove the O-ring from the field frame.

HINT:

At the time of reassembly, please refer to the following items.
Use a new O-ring.



(c) Using a screwdriver hold the spring back and disconnect the brush from the brush holder. Disconnect the 4 brushes, and remove the brush holder.

5. REMOVE ARMATURE FROM FIELD FRAME