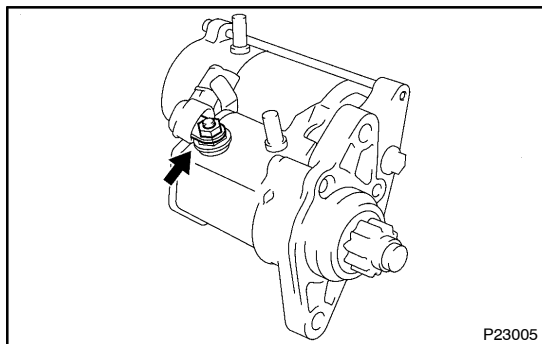


DISASSEMBLY

HINT:

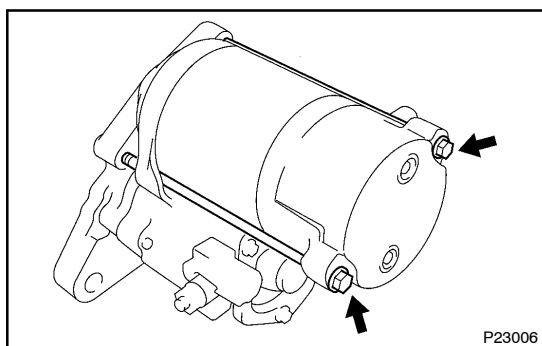
At the time of reassembly, use high-temperature grease to lubricate the bearings, gears, return spring and steel ball when assembling the starter.



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:

1.4 kW type: 5.9 N·m (60 kgf·cm, 52 in·lbf)

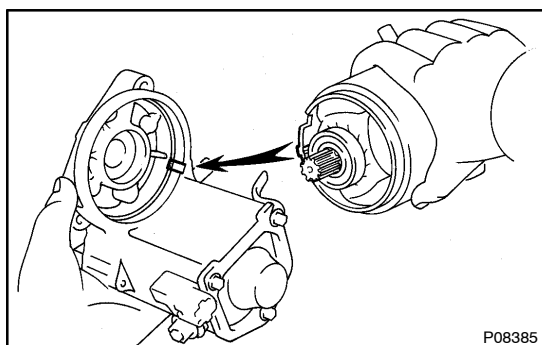
2.0 kW type: 9.3 N·m (95 kgf·cm, 82 in·lbf)

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

- (d) Remove the O-ring.

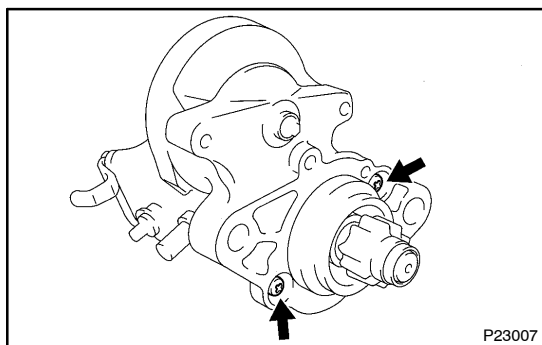
HINT:

At the time of reassembly, use a new O-ring.



HINT:

At the time of reassembly, align the protrusion of the field frame with cutout of the magnetic switch.



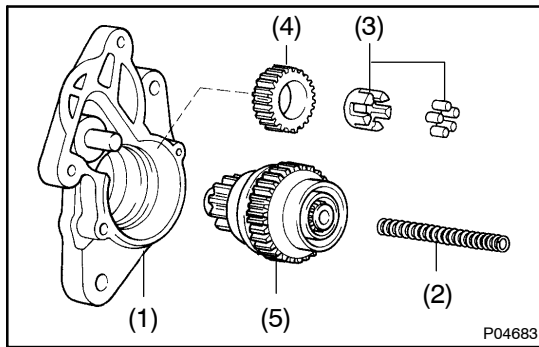
2. REMOVE STARTER HOUSING, CLUTCH ASSEMBLY AND GEAR

- (a) Remove the 2 screws.

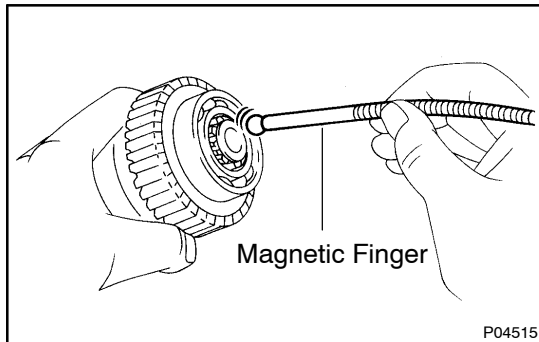
Torque:

1.4 kW type: 5.9 N·m (60 kgf·cm, 52 in·lbf)

2.0 kW type: 9.3 N·m (95 kgf·cm, 82 in·lbf)

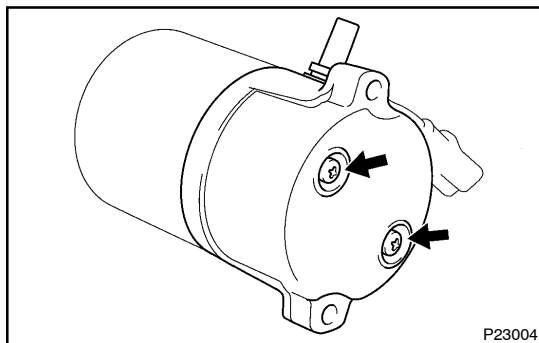


- (b) Remove these parts from the magnetic switch assembly:
- (1) Starter housing
 - (2) Return spring
 - (3) Bearing
 - (4) Idler gear
 - (5) Starter clutch assembly



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, 2 O-rings and end cover from the field frame.

Torque:

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

2.0 kW type: 3.8 N·m (40 kgf·cm, 35 in.·lbf)

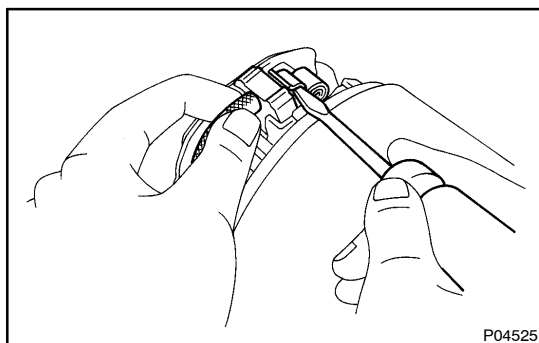
HINT:

At the time of reassembly, use new O-rings.

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

HINT:

At the time of reassembly, use a new O-ring.



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

5. REMOVE ARMATURE FROM FIELD FRAME