

DISASSEMBLY

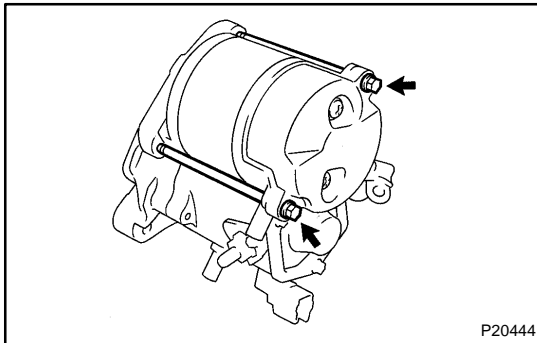
HINT:

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)

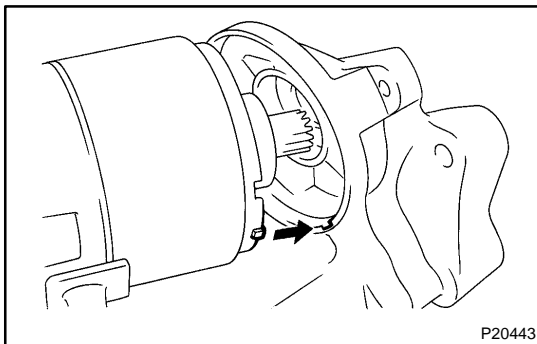


- (b) Remove the 2 through bolts.

Torque:

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

1.8 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.

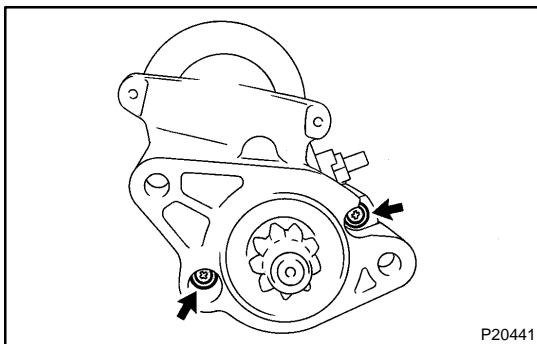
NOTICE:

Align the protrusion of the field frame with cutout of the magnetic switch.

- (d) Remove the O-ring.

HINT:

Use a new O-ring.



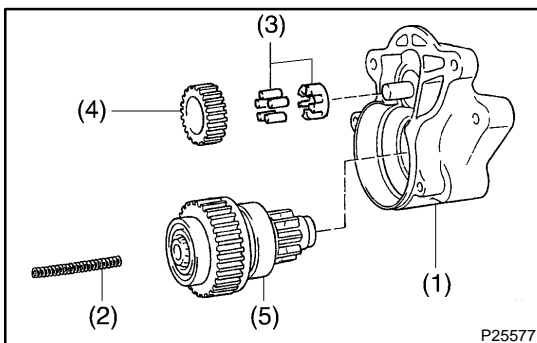
2. REMOVE STARTER HOUSING, CLUTCH ASSEMBLY AND GEAR

- (a) Remove the 2 screws.

Torque:

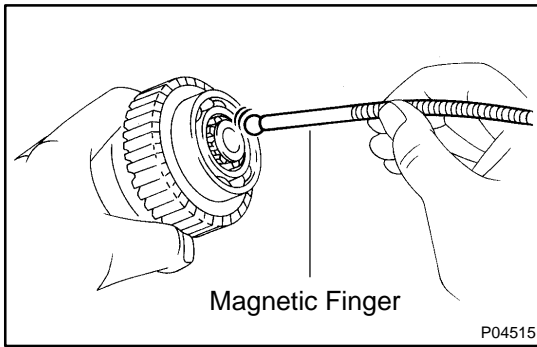
1.4 kW type: 5.9 N·m (60 kgf·cm, 52 in.-lbf)

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



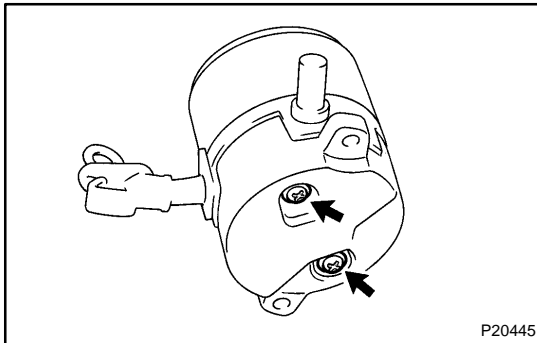
- (b) Remove these parts from the magnetic switch assembly:

- (1) Starter housing
- (2) Return spring
- (3) Bearing
- (4) Idler Gear
- (5) 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 and 2 O-rings, and pull the end frame from the field frame.

Torque:

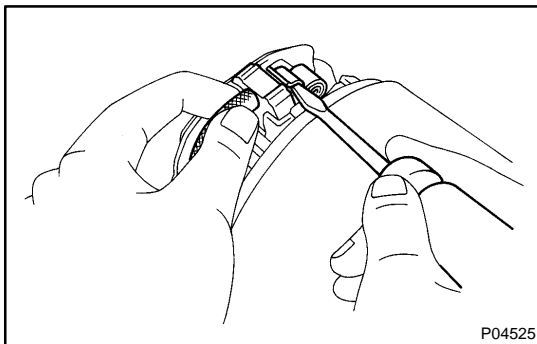
1.4 kW type: 1.5 N·m (15 kgf·cm, 13 in.-lbf)

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

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

HINT:

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