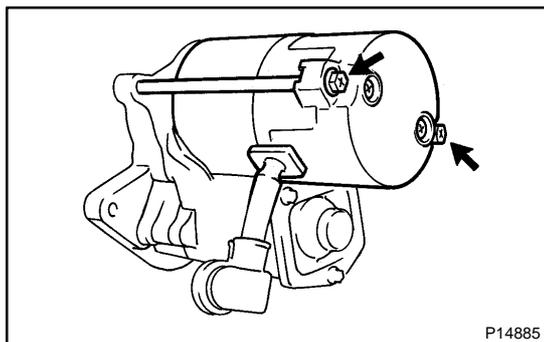


## DISASSEMBLY

### 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)**



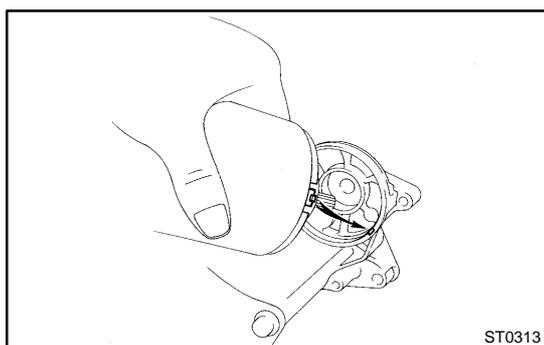
- (b) Remove the 2 through bolts.

**Torque:**

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

**9.3 N·m (93 kgf·cm, 82 in.-lbf) for 2.0 kW**

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



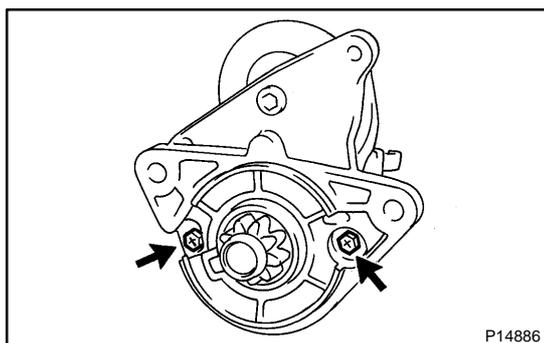
#### HINT:

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.



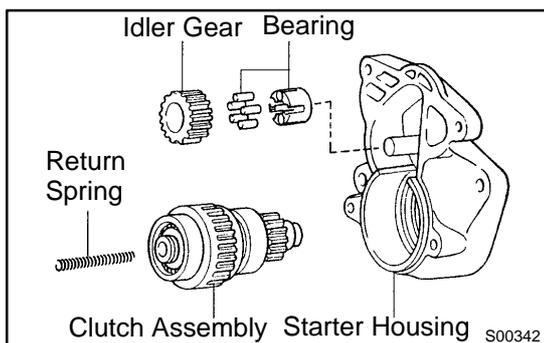
### 2. REMOVE STARTER HOUSING, CLUTCH ASSEMBLY AND GEAR

- (a) Remove the 2 screws.

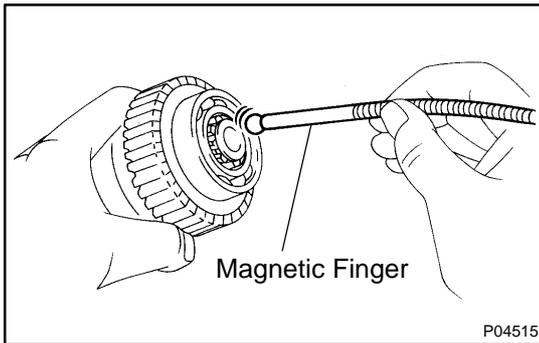
**Torque:**

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

**9.3 N·m (93 kgf·cm, 82 in.-lbf) for 2.0 kW**

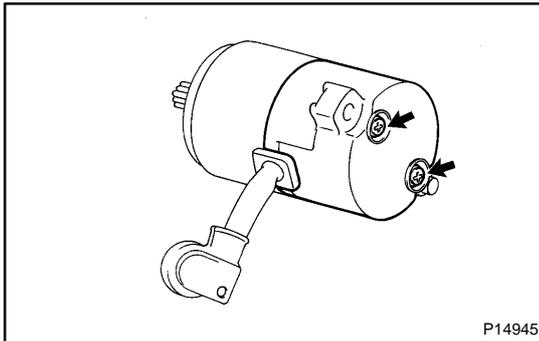


- (b) Remove the starter housing, return spring, the clutch assembly, idler gear and bearing from the magnetic switch assembly.



### 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 and end cover from the field frame.

#### Torque:

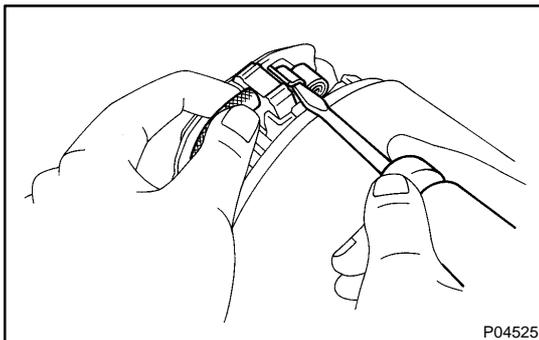
**1.5 N·m (15 kgf·cm, 13 in.-lbf) for 1.4 kW**

**3.8 N·m (38 kgf·cm, 34 in.-lbf) for 2.0 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