

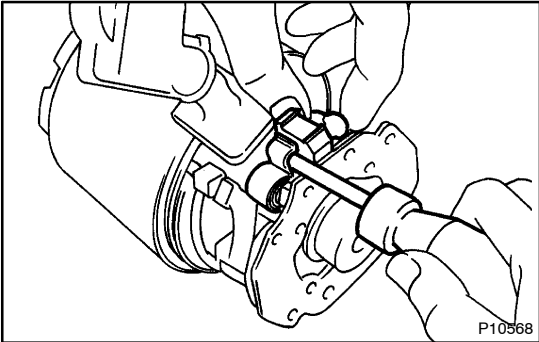
REASSEMBLY

HINT:

Use high-temperature grease to lubricate the bearings and gears when assembling the starter.

1. PLACE ARMATURE INTO FIELD FRAME

- (a) Apply grease to the armature bearings.
- (b) Insert in armature into the field frame.



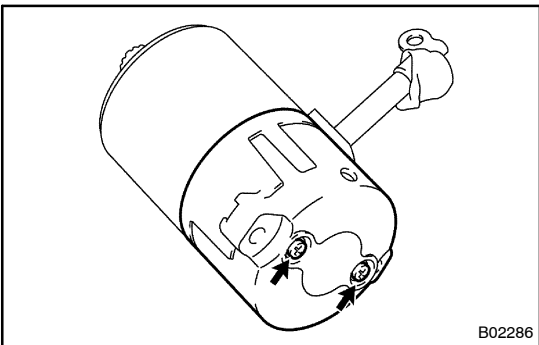
2. INSTALL BRUSH HOLDER

- (a) Place the brush holder on the field frame.
- (b) Using a screwdriver, hold the brush spring back, and connect the brush into the brush holder. Connect the 4 brushes.

NOTICE:

Check that the positive (+) lead wires are not grounded.

- (c) Install a new O-ring to the groove of the field frame.

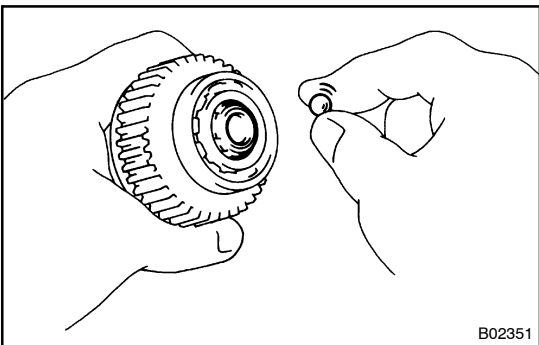


- (d) Install the end cover to the field frame with the 2 screws.

Torque:

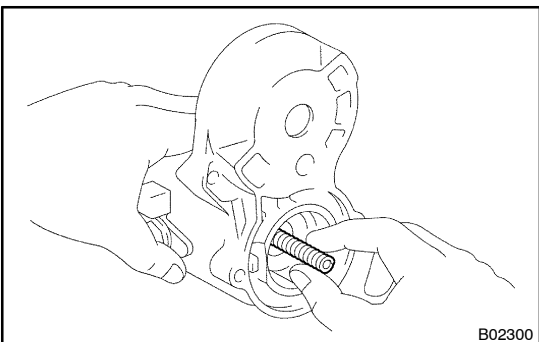
1.4 kW: 1.5 N·m (15 kgf·cm, 13 in.·lbf)

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



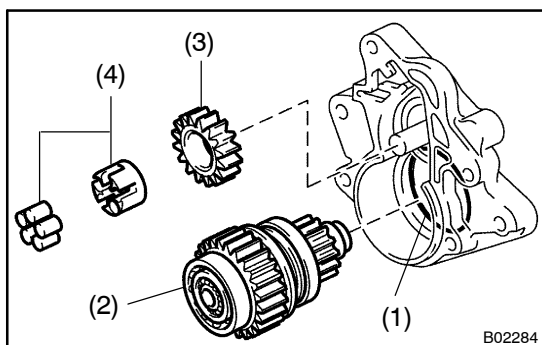
3. INSERT STEEL BALL INTO CLUTCH SHAFT HOLE

- (a) Apply grease to the steel ball.
- (b) Insert the steel ball into the clutch shaft hole.

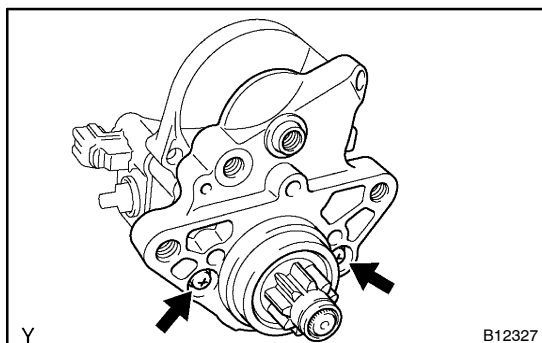


4. INSTALL STARTER HOUSING, CLUTCH ASSEMBLY AND GEARS

- (a) Apply grease to the return spring.
- (b) Insert the return spring into the magnetic switch hole.



- (c) Place these parts on the starter housing:
- (1) Place the new O-ring.
 - (2) Place the starter clutch assembly.
 - (3) Place the idler gear.
 - (4) Place the bearing.

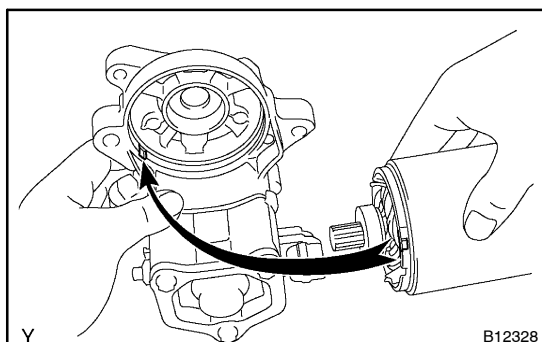


- (d) Install the starter housing to the magnetic switch with the 2 screws.

Torque:

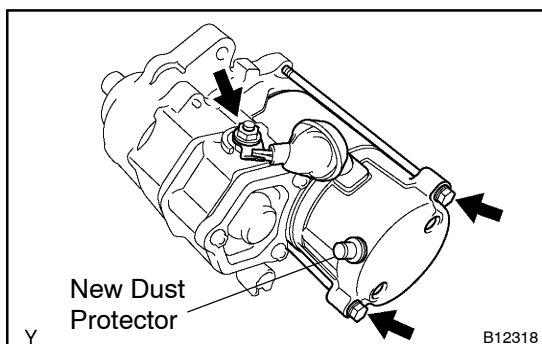
1.4 kW: 5.9 N·m (60 kgf·cm, 52 in.·lbf)

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



5. INSTALL FIELD FRAME AND ARMATURE ASSEMBLY

- (a) Install a new O-ring to the groove of the field frame.
- (b) Align the protrusion of the field frame with the groove of the magnetic switch, and install the field frame and armature shaft assembly.



- (c) Install the field frame and armature assembly with the 2 through bolts.

Torque:

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

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

- (d) Connect the lead wire to terminal C with the nut.

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