

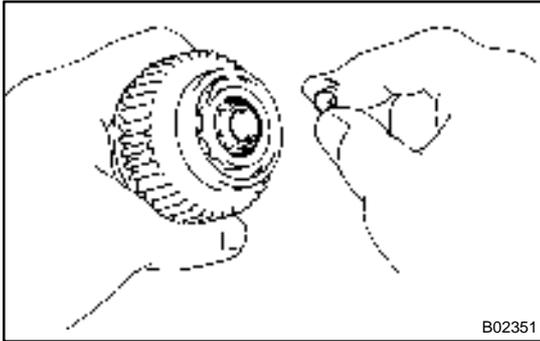
REASSEMBLY

HINT:

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

1. INSTALL ARMATURE TO MAGNETIC SWITCH ASSEMBLY

- (a) Apply grease to the armature bearings.
- (b) Install the armature to the magnetic switch assembly.



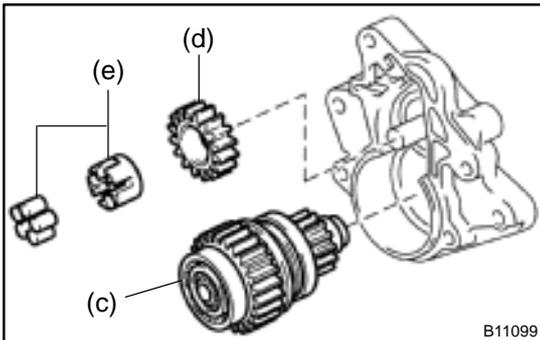
2. INSERT STEEL BALL INTO CLUTCH SHAFT HOLE

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



3. 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 the starter clutch assembly on the starter housing.
- (d) Place idler on the starter housing.
- (e) Place bearing on the starter housing.
- (f) Install the starter housing to the magnetic switch with the 2 bolts.

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

4. INSTALL FIELD FRAME

- (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.

5. 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.

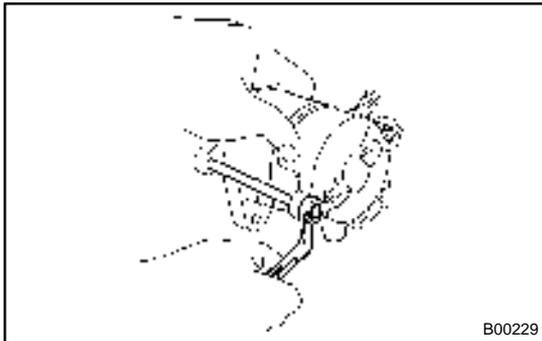
NOTICE:

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

6. INSTALL END COVER

- (a) Install a new O-ring to the groove of the field frame.
- (b) Install the end cover to the field frame with the 2 screws.

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



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

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

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

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

7. INSTALL NEW DUST PROTECTOR