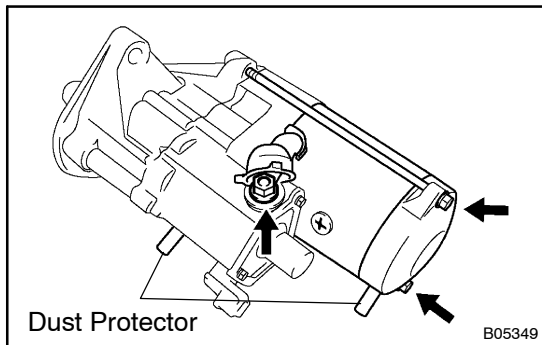


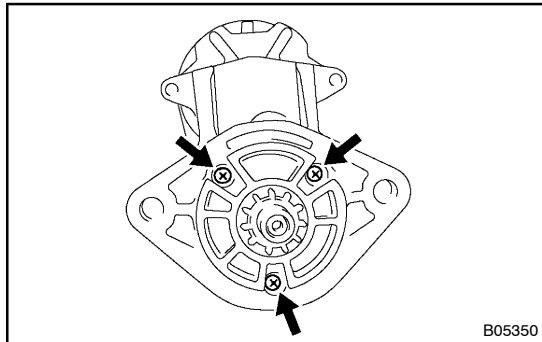


DISASSEMBLY

1. REMOVE 2 DUST PROTECTORS

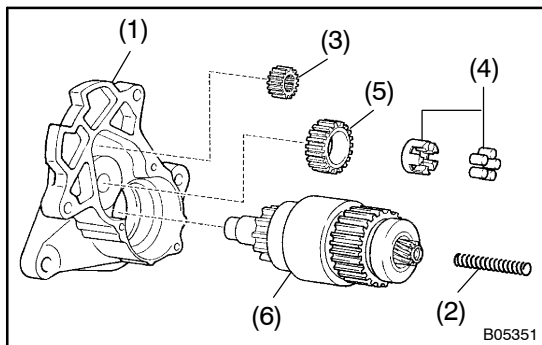
2. REMOVE FIELD FRAME AND ARMATURE

- (a) Remove the nut, and disconnect lead wire from the magnetic switch terminal.
- (b) Remove the 2 through bolts.
- (c) Pull out the field frame together with the armature from the magnetic switch assembly.
- (d) Remove the O-ring from the field frame.



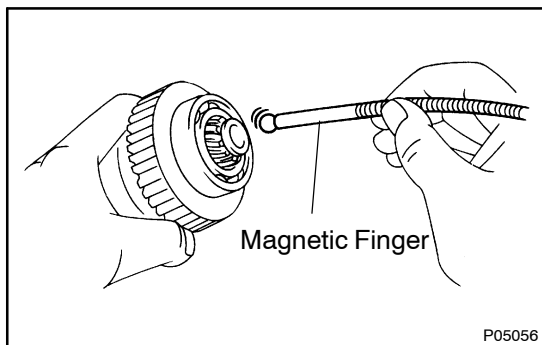
3. REMOVE STARTER HOUSING, CLUTCH ASSEMBLY AND GEAR

- (a) Remove the 3 screws.



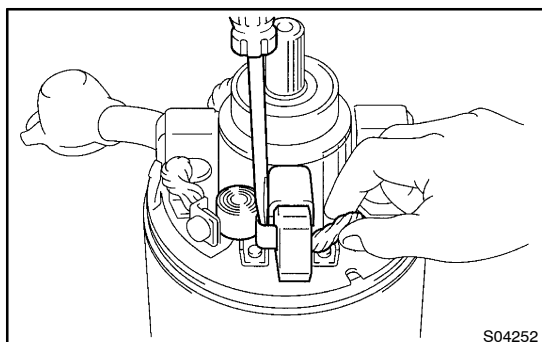
- (b) Remove these parts from the magnetic switch assembly:

- (1) Starter housing
- (2) Return spring
- (3) Pinion gear
- (4) Bearing
- (5) Idler gear
- (6) Clutch assembly



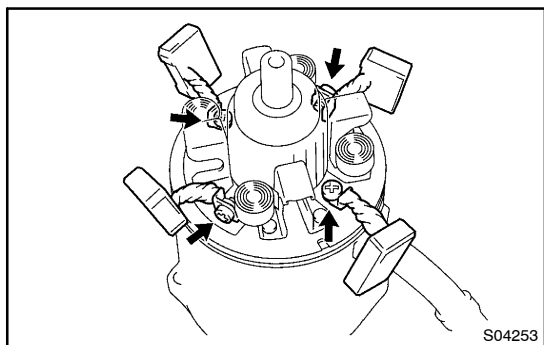
4. REMOVE STEEL BALL

Using a magnetic finger, remove the steel ball from the clutch shaft hole.



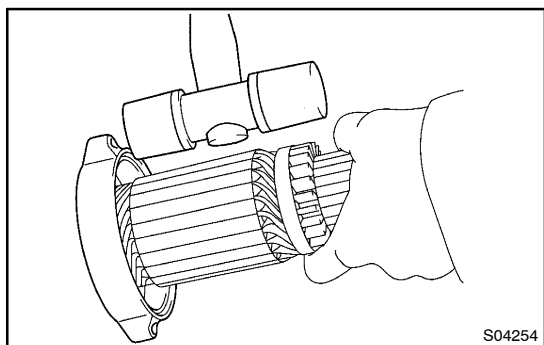
5. REMOVE BRUSH HOLDER

- (a) Using a screwdriver, hold the spring back and disconnect the brush from the brush holder. Disconnect the 4 brushes.



- (b) Remove the 4 screws and 4 brushes.
- (c) Remove the brush holder from the field frame.

6. REMOVE ARMATURE WITH END COVER FROM FIELD FRAME



7. REMOVE ARMATURE FROM END COVER

Using a plastic hammer, tap the end cover to remove the armature from the end cover.