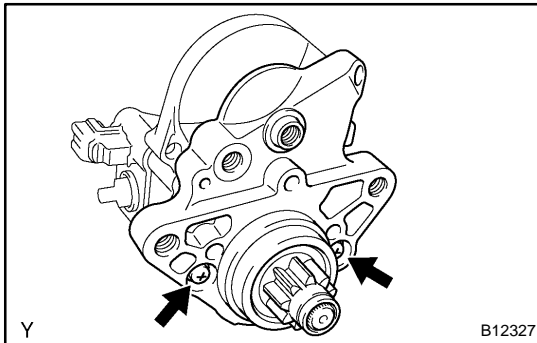


DISASSEMBLY

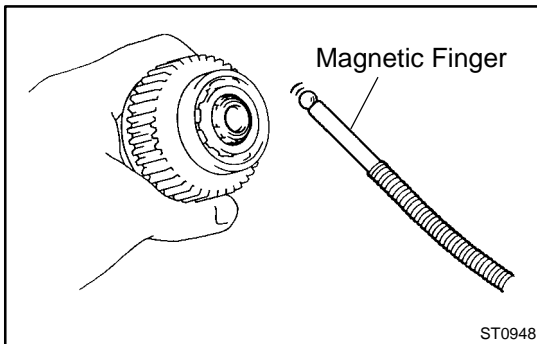
1. REMOVE FIELD FRAME AND ARMATURE

- Remove the nut, and disconnect the lead wire from the magnetic switch terminal.
- Remove the 2 through bolts.
- Pull out the field frame together with the armature from the magnetic switch.
- Remove the O-ring from the field frame.



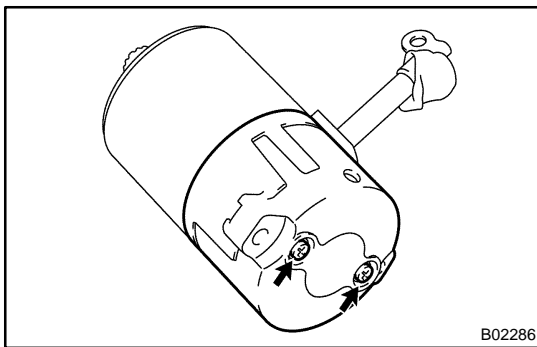
2. REMOVE STARTER HOUSING, CLUTCH ASSEMBLY AND GEARS

- Remove the 2 screws.
- Remove these parts from the magnetic switch:
 - Remove the starter housing.
 - Remove the return spring.
 - Remove the idler gear.
 - Remove the bearing.
 - Remove the starter clutch assembly.
- Remove the O-ring from the starter housing.



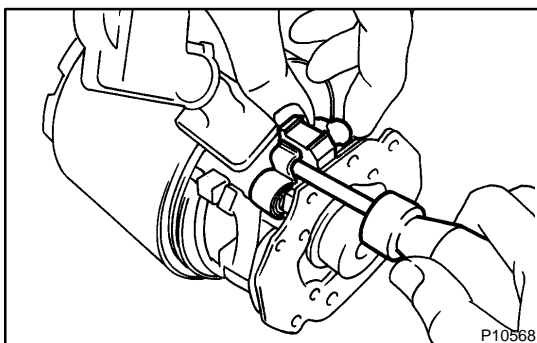
3. REMOVE STEEL BALL

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



4. REMOVE BRUSH HOLDER

- Remove the 2 screws and end cover from the field frame.



- 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