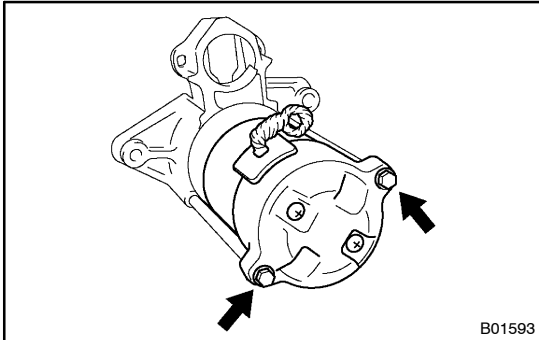


DISASSEMBLY

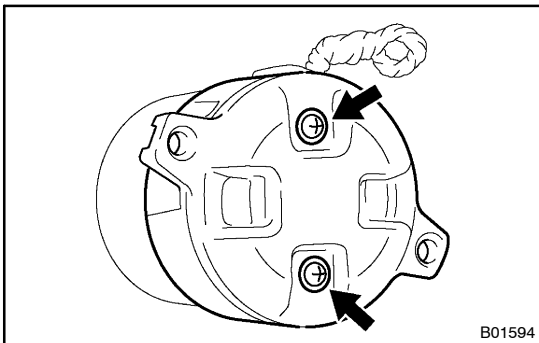
1. REMOVE MAGNETIC SWITCH

- (a) Remove the nut, and disconnect the lead wire from the magnetic switch terminal.
- (b) Loosen the 2 nuts holding the magnetic switch to the starter housing.
- (c) Pull the magnetic switch and while lifting the front part of the magnetic switch, release the plunger hook from the drive lever, then release the magnetic switch.



2. REMOVE FIELD FRAME AND ARMATURE

- (a) Remove the 2 through bolts, and pull out the field frame together with the armature.
- (b) Remove the O-ring from the field frame.

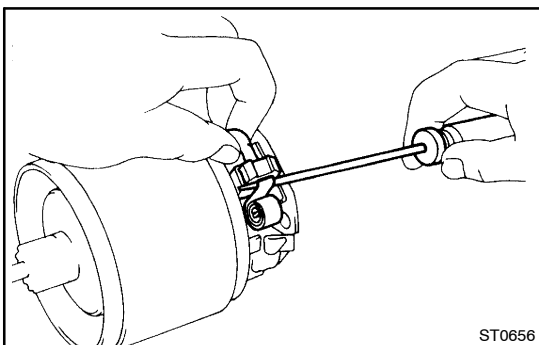


3. REMOVE COMMUTATOR END FRAME

- (a) Remove the 2 screws and commutator end frame, and hold down the lead wire while releasing the commutator end frame.
- (b) Remove the O-ring from the field frame.

NOTICE:

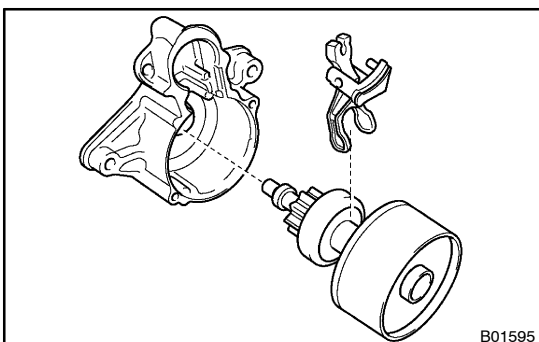
To avoid interference between the brush holder and the dust protector, pull the commutator end frame away at an angle.



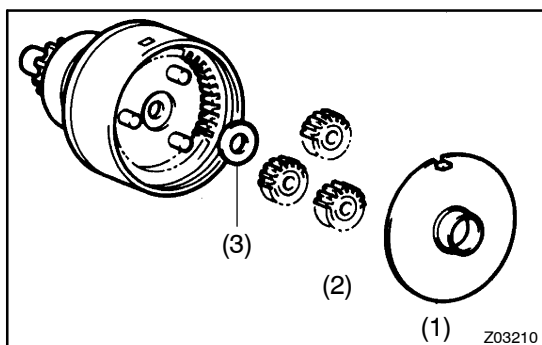
4. REMOVE BRUSH HOLDER

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

5. REMOVE ARMATURE FROM FIELD FRAME



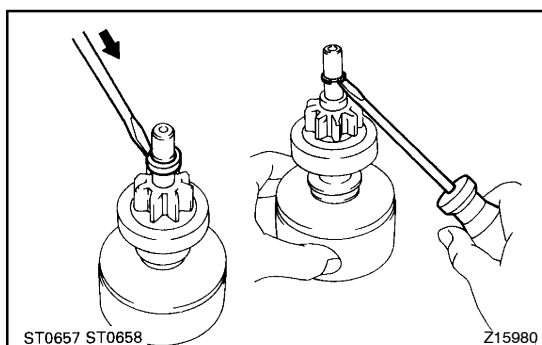
6. REMOVE DRIVE LEVER AND STARTER CLUTCH WITH SHOCK ABSORBER FROM STARTER HOUSING



7. REMOVE PLANETARY GEARS

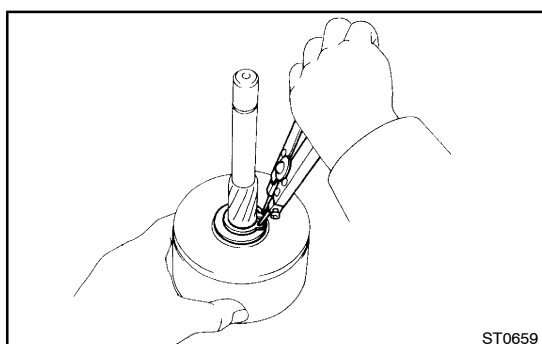
Remove these parts from the shock absorber:

- (1) Plate
- (2) 3 planetary gears
- (3) Plate washer



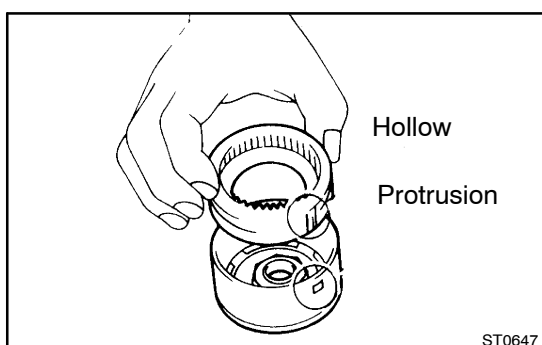
8. REMOVE STARTER CLUTCH

- (a) Using a screwdriver, tap in the stop collar towards the starter clutch.
- (b) Using a screwdriver, pry off the snap ring.
- (c) Remove the stop collar and starter clutch from the planetary shaft.



9. REMOVE PLANETARY SHAFT AND INTERNAL GEAR

- (a) Using snap ring pliers, remove the snap ring and plate washer.
- (b) Remove the planetary shaft and plate washer.



- (c) Align the hollow of the internal gear with the protrusion inside the shock absorber, and remove the internal gear.