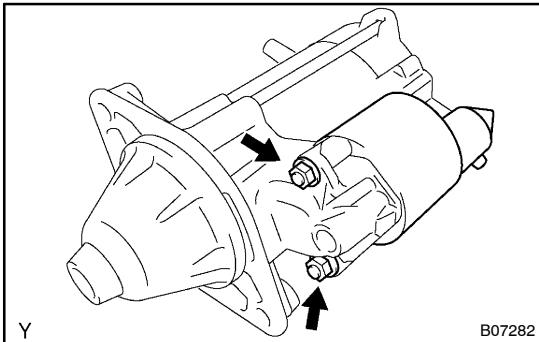
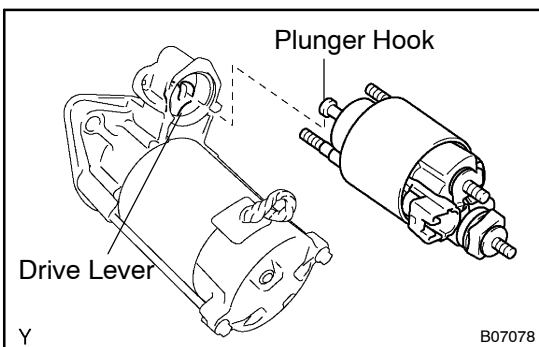


DISASSEMBLY

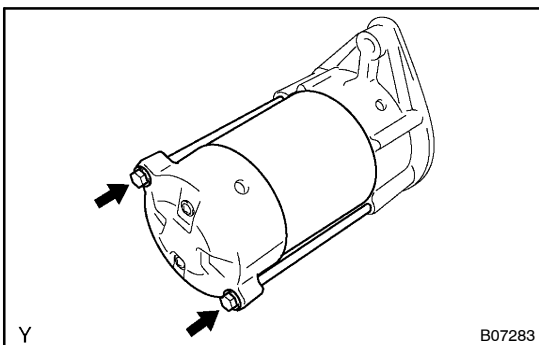
1. REMOVE DUST PROTECTOR
2. REMOVE MAGNETIC SWITCH
 - (a) Remove the nut, and disconnect the lead wire from the magnetic switch terminal.



- (b) Remove the 2 nuts holding the magnetic switch to the starter housing.

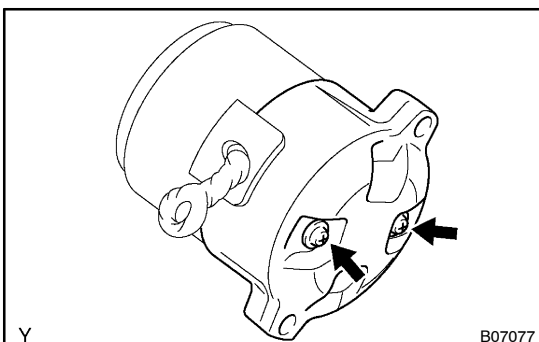


- (c) Pull the magnetic switch, and disconnect the plunger hook from the drive lever and remove the magnetic switch.



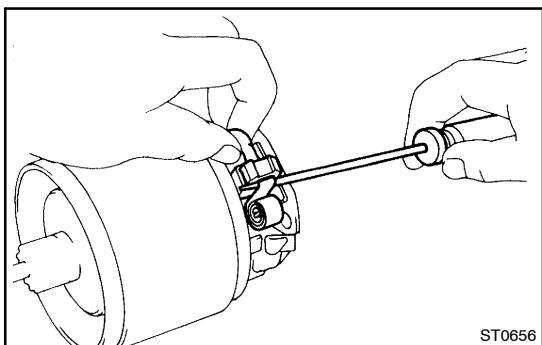
3. REMOVE FIELD FRAME, ARMATURE, STARTER CLUTCH, SHOCK ABSORBER AND DRIVE LEVER

- (a) Remove the 2 through bolts.
- (b) Remove the field frame with the armature, the starter clutch, shock absorber assembly and drive lever.
- (c) Remove the O-ring from the field frame.



4. REMOVE COMMUTATOR END FRAME

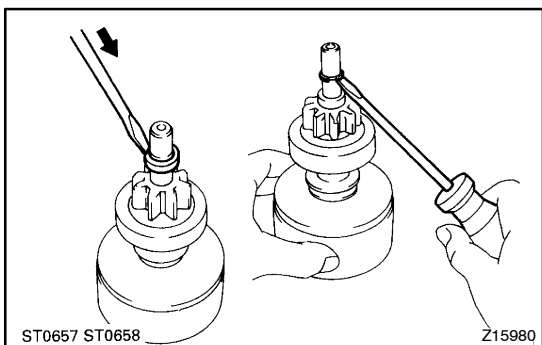
- (a) Remove the 2 screws, and commutator end frame.
- (b) Remove the O-ring from the field frame.

**5. REMOVE BRUSH HOLDER**

Using a screwdriver, hold the spring back and disconnect the brush holder disconnect the 4 brushes, and remove the brush holder.

6. REMOVE ARMATURE FROM FIELD FRAME**7. REMOVE PLANETARY GEARS**

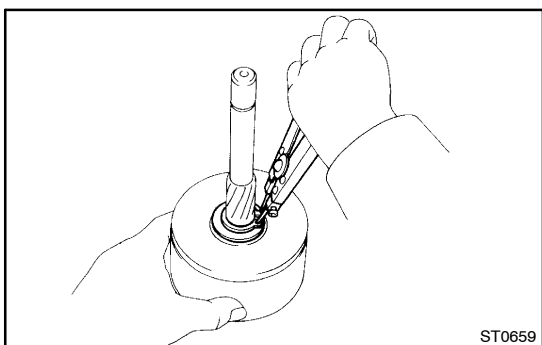
Remove the plate, 3 planetary gears and plate washer from the shock absorber.

**8. REMOVE STARTER CLUTCH**

(a) Using a screwdriver, tap in the stop collar towards the starter clutch.

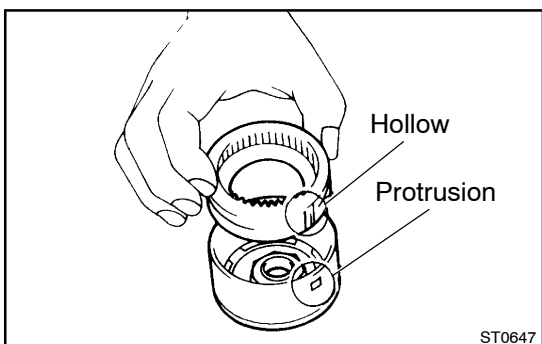
(b) Using a screwdriver, pry off the snap ring.

(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.