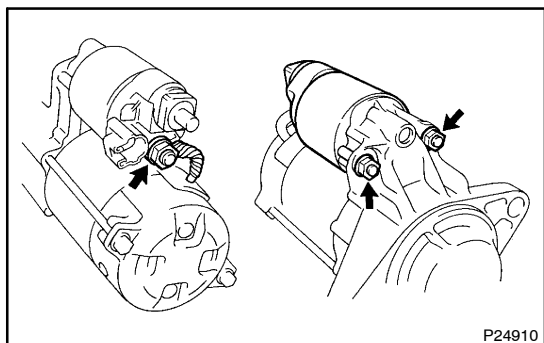
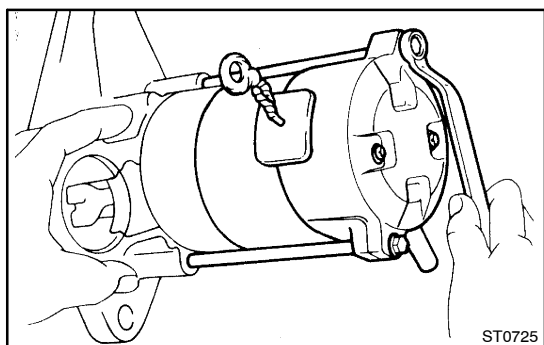




DISASSEMBLY

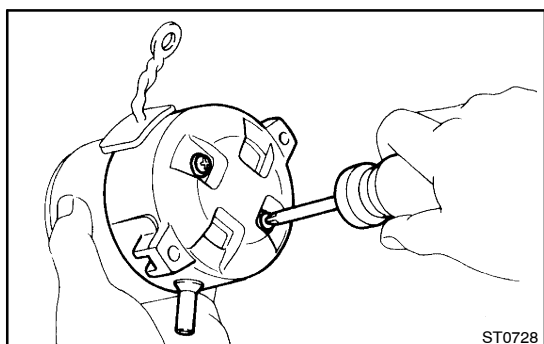
1. REMOVE MAGNETIC SWITCH

- (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.
- (d) Remove the plunger cover.



2. REMOVE FIELD FRAME AND ARMATURE

Remove the 2 through bolts, and pull out the field frame together with the armature.

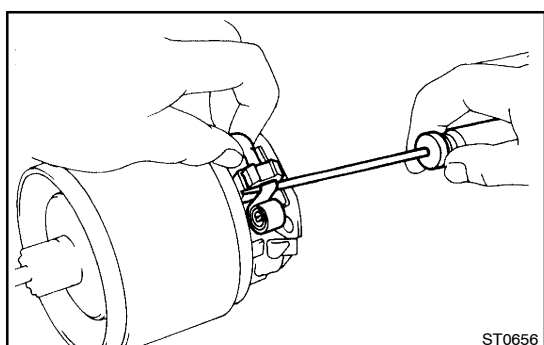


3. REMOVE COMMUTATOR END FRAME

Remove the 2 screws and commutator end frame, and hold down the lead wire while releasing the commutator end frame.

NOTICE:

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

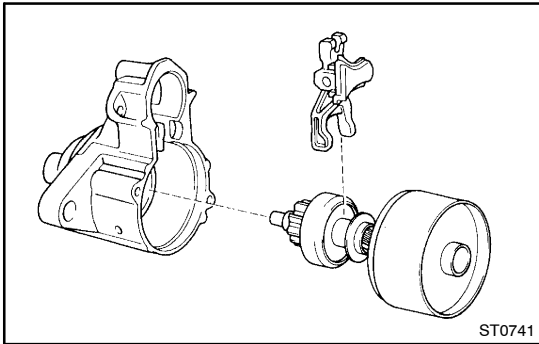


4. REMOVE BRUSH HOLDER

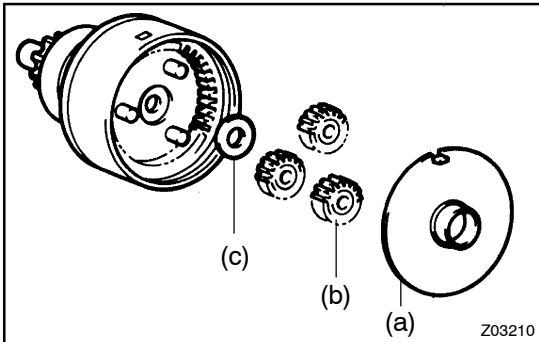
- (a) Using a screwdriver, hold the spring back and disconnect the brush holder.
- (b) Disconnect the 4 brushes, and remove the brush holder.

5. REMOVE ARMATURE FROM FIELD FRAME

6. REMOVE 2 O-RINGS FROM FIELD FRAME

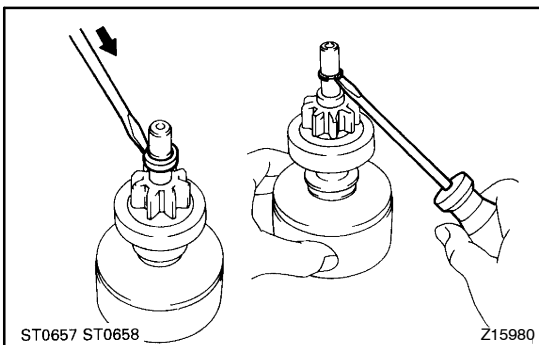


- 7. REMOVE DRIVE LEVER AND STARTER CLUTCH WITH SHOCK ABSORBER FROM STARTER HOUSING**



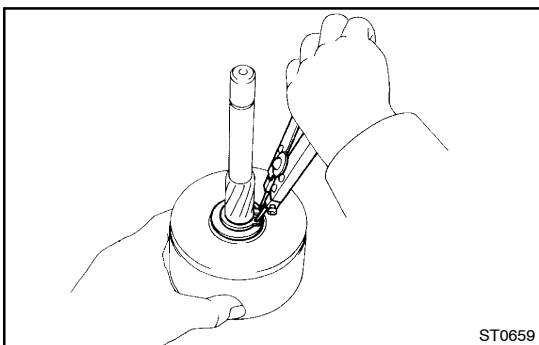
8. REMOVE PLANETARY GEARS

- (a) Remove the plate.
- (b) Remove the 3 planetary gears.
- (c) Remove the plate washer.



9. 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 rear collar and starter clutch from the planetary shaft.



10. 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.