

REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. **REMOVE BATTERY CLAMP SUB-ASSEMBLY**

(a) Loosen the bolt and nut, and remove the battery clamp.

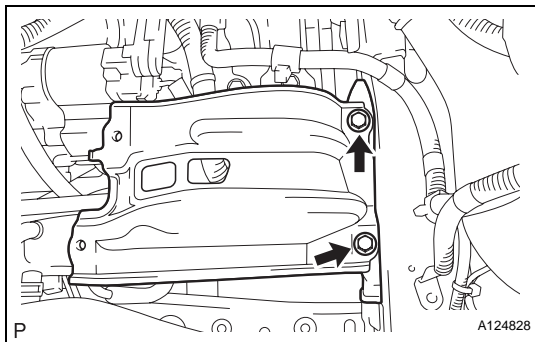
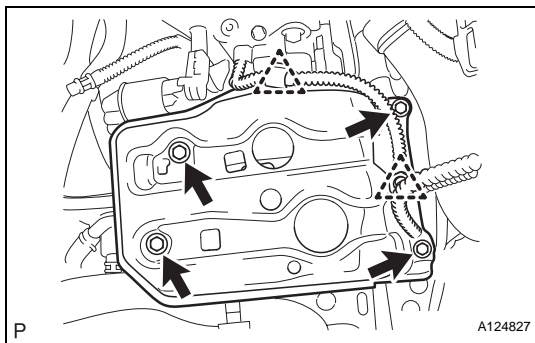
3. **REMOVE BATTERY INSULATOR**

4. **REMOVE BATTERY**

5. **REMOVE BATTERY TRAY**

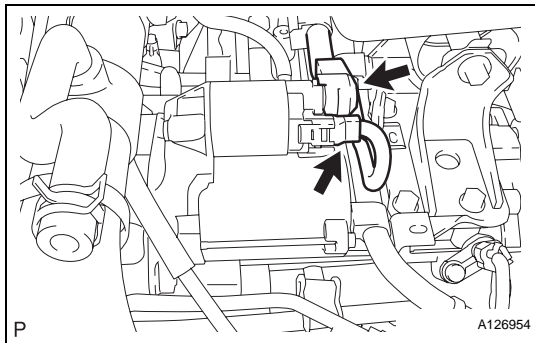
6. **REMOVE FRONT BATTERY CARRIER**

(a) Disconnect the 2 clamps of the engine wire.
(b) Remove the 4 bolts and front battery carrier.



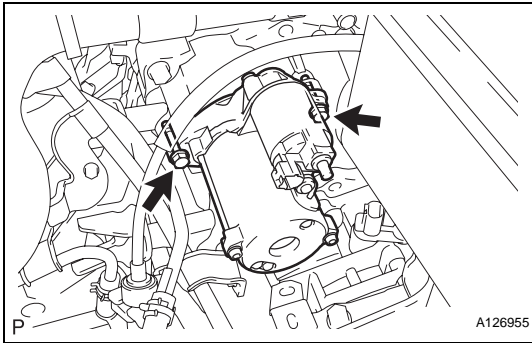
7. **REMOVE BATTERY BRACKET REINFORCEMENT**

(a) Remove the 2 bolts and battery bracket reinforcement.

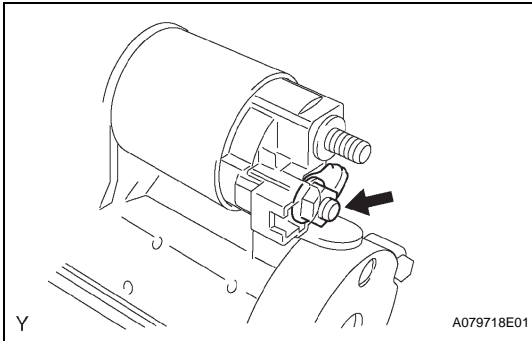


8. **REMOVE STARTER ASSEMBLY**

(a) Disconnect the starter connector.
(b) Open the terminal cap, remove the nut and disconnect the starter wire.



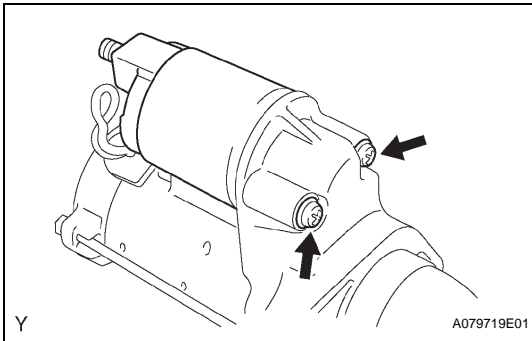
(c) Remove the 2 bolts and starter.



DISASSEMBLY

1. REMOVE MAGNETIC SWITCH ASSEMBLY

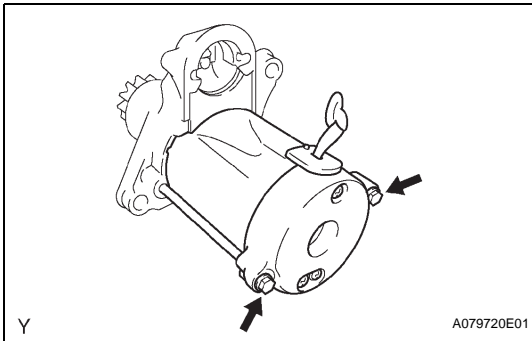
(a) Remove the nut and disconnect the lead wire from the magnetic switch assembly.



(b) Remove the 2 screws holding the magnetic switch assembly to the starter drive housing assembly.

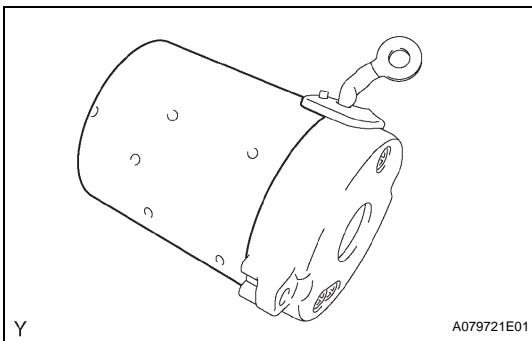
(c) Remove the magnetic switch assembly.

(d) Remove the return spring and plunger from the starter drive housing assembly.



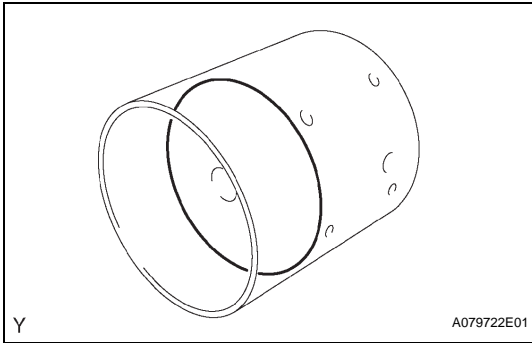
2. REMOVE STARTER YOKE ASSEMBLY

(a) Remove the 2 through-bolts, and pull out the starter yoke assembly together with the starter commutator end frame assembly.

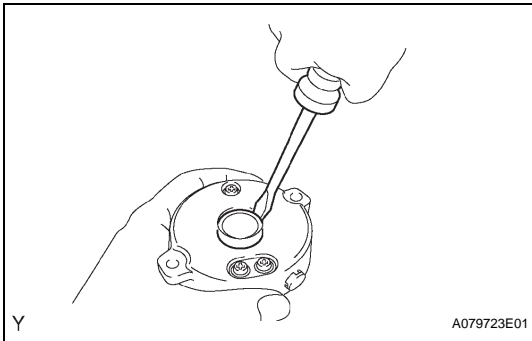


3. REMOVE STARTER COMMUTATOR END FRAME ASSEMBLY

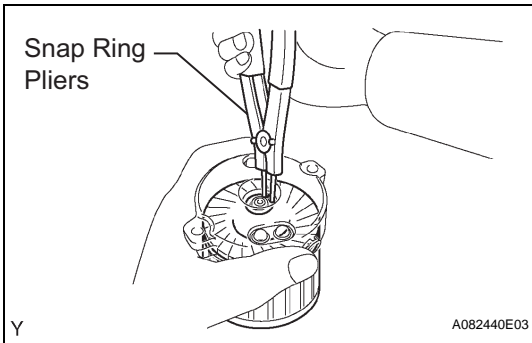
(a) Remove the starter commutator end frame assembly from the starter yoke assembly.

**4. REMOVE STARTER ARMATURE PLATE**

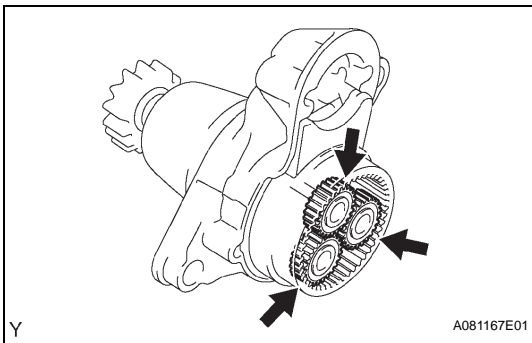
- (a) Remove the starter armature plate from the starter yoke assembly.

**5. REMOVE STARTER COMMUTATOR END FRAME COVER**

- (a) Using a screwdriver, pry out the starter commutator end frame cover.

**6. REMOVE STARTER ARMATURE ASSEMBLY**

- (a) Using snap ring pliers, remove the snap ring and plate washer.
(b) Remove the starter armature assembly from the starter commutator end frame assembly.

**7. REMOVE PLANETARY GEAR**

- (a) Remove the 3 planetary gears from the starter drive housing assembly.