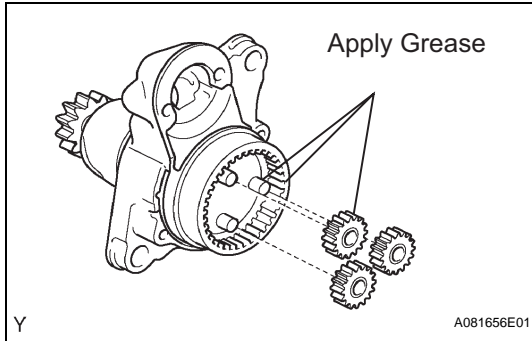


REASSEMBLY

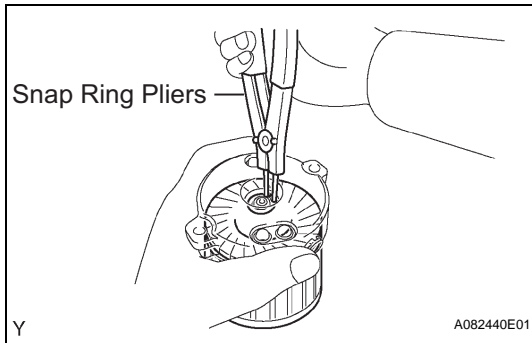
HINT:

Use high-temperature grease to lubricate the bearings, gears, return spring and steel ball when assembling the starter.



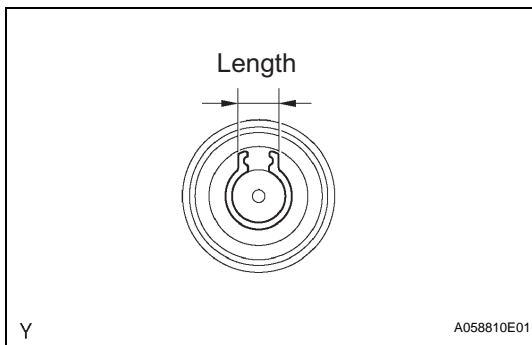
1. INSTALL PLANETARY GEAR

- Apply grease to the planetary gears and pin parts of the planetary shaft.
- Install the 3 planetary gears.



2. INSTALL STARTER ARMATURE ASSEMBLY

- Apply grease to the plate washer and the armature shaft.
- Install the starter armature to the starter commutator end frame.
- Using snap ring pliers, install the plate washer and a new snap ring.

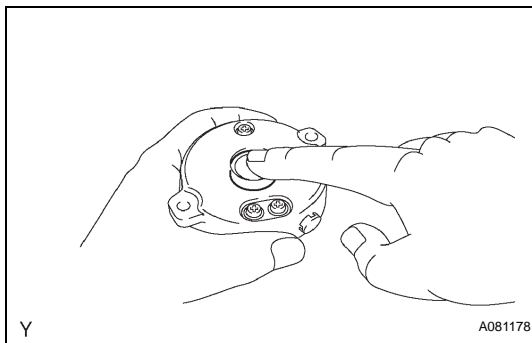


- Using a vernier caliper, measure length of the snap ring.

Maximum length:

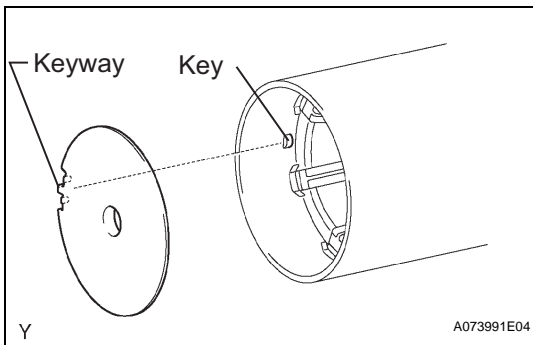
5.0 mm (0.197 in.)

If the length is greater than the maximum, replace it with a new snap ring.



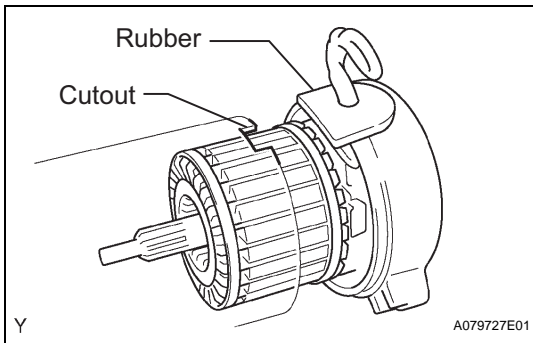
3. INSTALL STARTER COMMUTATOR END FRAME COVER

- Install the end frame cover to the commutator end frame.



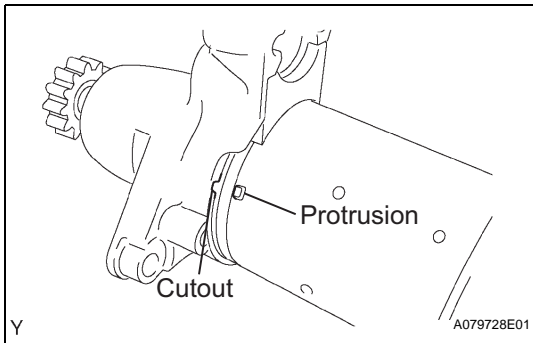
4. INSTALL STARTER ARMATURE PLATE

- Insert the armature plate to the starter yoke.
- Align the keyway of the starter plate with the key inside the starter yoke, and install the starter plate.



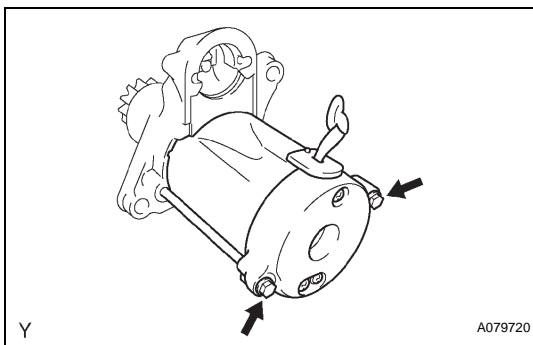
5. INSTALL STARTER COMMUTATOR END FRAME ASSEMBLY

- Align the rubber of the end frame with the cutout of the starter yoke.
- Install the end frame to the starter yoke.

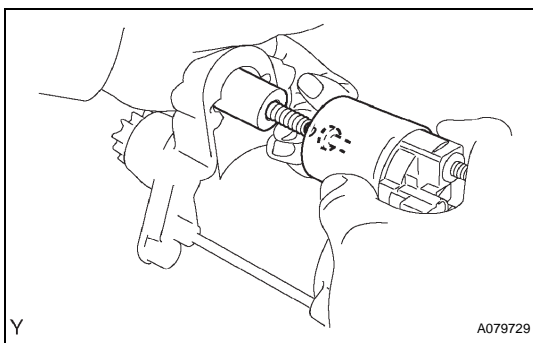


6. INSTALL STARTER YOKE ASSEMBLY

- Align the protrusion of the starter yoke with the cutout of the starter drive housing.

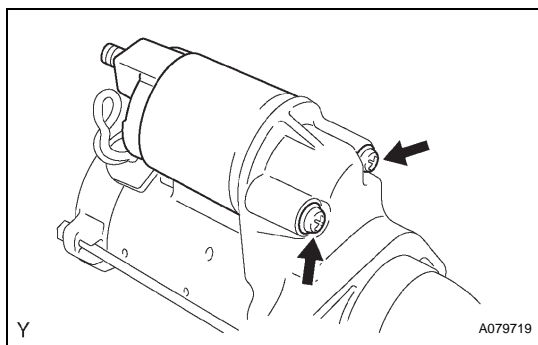


- Install the starter yoke with the 2 through-bolts.
Torque: 5.9 N*m (60 kgf*cm, 52 in.*lbf)

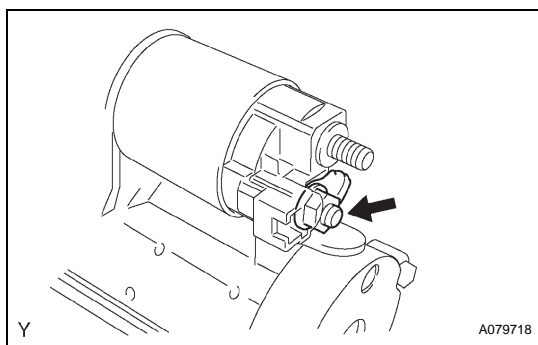


7. INSTALL MAGNETIC SWITCH ASSEMBLY

- Apply grease to the plunger and the hook.
- Hang the plunger hook of the magnetic switch to the drive lever.
- Install the plunger and return spring.



- (d) Install the magnetic switch with the 2 screws.
Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

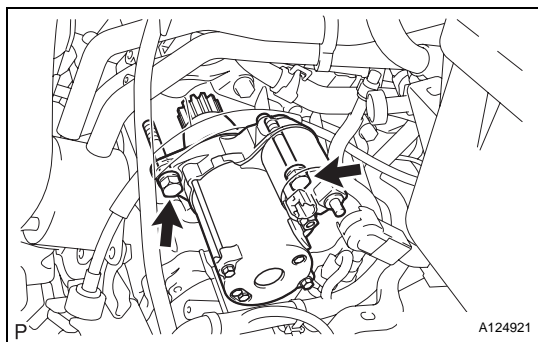


- (e) Connect the lead wire to the magnetic switch with the nut.
Torque: 10 N*m (102 kgf*cm, 7 ft.*lbf)

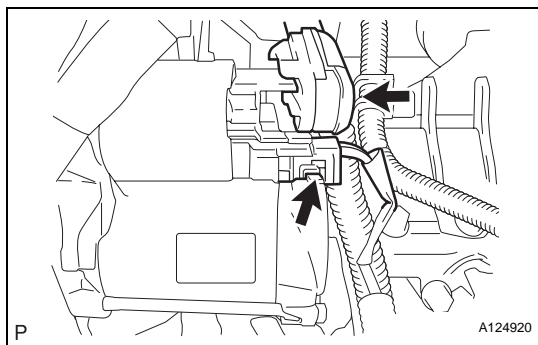
INSTALLATION

1. INSTALL STARTER ASSEMBLY

- (a) Install the starter with the 2 bolts.
Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)

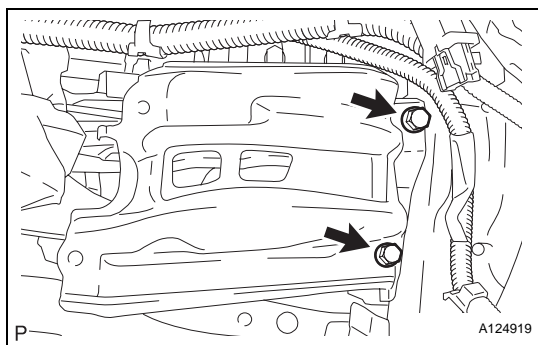


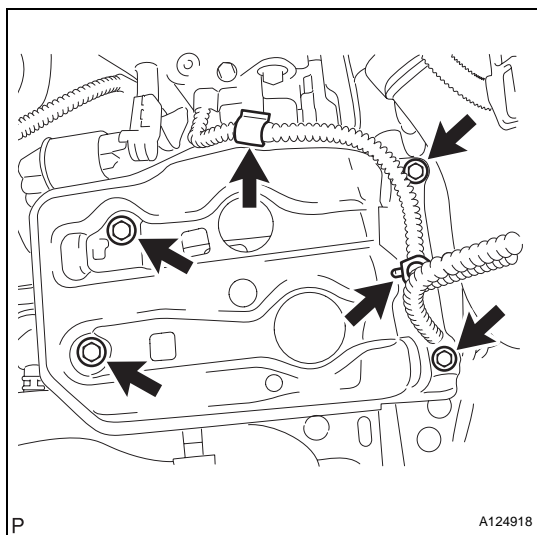
- (b) Connect the starter connector.
 (c) Install the terminal nut and cover the nut with the cap.
Torque: 9.8 N*m (100 kgf*cm, 7 ft.*lbf)



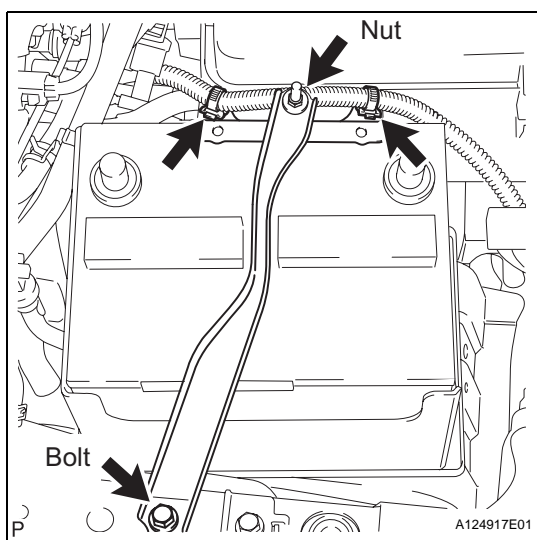
2. INSTALL BATTERY BRACKET REINFORCEMENT

- (a) Install the bracket reinforcement.
Torque: 19 N*m (194 kgf*cm, 14 ft.*lbf)



**3. INSTALL FRONT BATTERY BRACKET**

- (a) Install the bracket front with the 4 bolts.
Torque: 19 N*m (194 kgf*cm, 14 ft.*lbf)
- (b) Attach the 2 wire harness clamps.

4. INSTALL BATTERY**5. INSTALL BATTERY INSULATOR****6. INSTALL BATTERY CLAMP**

- (a) Attach the hook of the battery clamp to the battery bracket front.
- (b) Temporarily tighten the nut and install the bolt.
- (c) Adjust the battery clamp's position.
- (d) Fully tighten the nut and bolt.
Torque: 5.0 N*m (51 kgf*cm, 44 in.*lbf)
- (e) Attach the 2 wire harness clamps.

7. CONNECT CABLE TO POSITIVE BATTERY TERMINAL**8. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**