

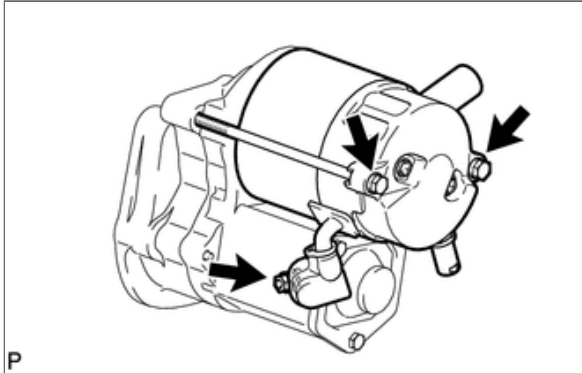
## 1GR-FE STARTING STARTER DISASSEMBLY

## PROCEDURE

## 1.REMOVE STARTER YOKE ASSEMBLY

28120

a.



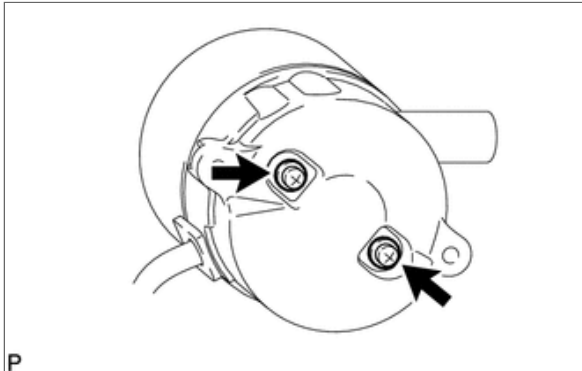
Remove the nut and disconnect the lead wire from terminal C.

- b. Remove the 2 bolts.
- c. Pull out the starter yoke assembly and starter commutator end frame together with the starter armature assembly.
- d. Remove the O-ring from the starter yoke assembly.

## 2.REMOVE STARTER BRUSH HOLDER ASSEMBLY

28140

a.



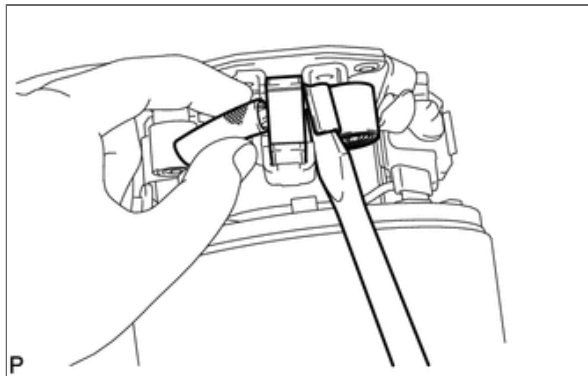
Remove the 2 screws, and then remove the starter commutator end frame from the starter yoke assembly.

**NOTICE:**

While holding down the lead wire, remove the starter commutator end frame.

- b. Remove the O-ring from the starter yoke assembly.

c.



Disconnect the 4 brushes from the starter brush holder assembly.

- i. Using a screwdriver, hold back the brush spring.
- ii. Disconnect the brush from the brush holder.

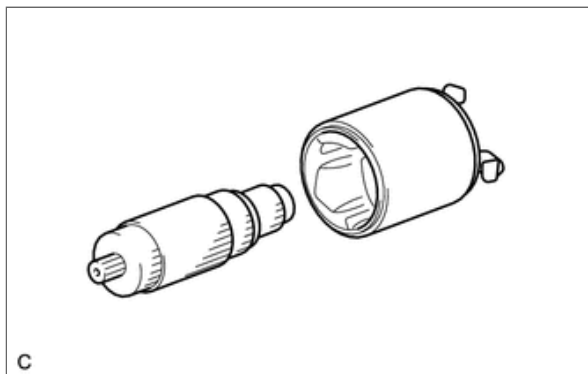
d. Remove the starter brush holder assembly.



### 3.REMOVE STARTER ARMATURE ASSEMBLY

28160

a.



Remove the starter armature assembly from the starter yoke assembly.

**NOTICE:**

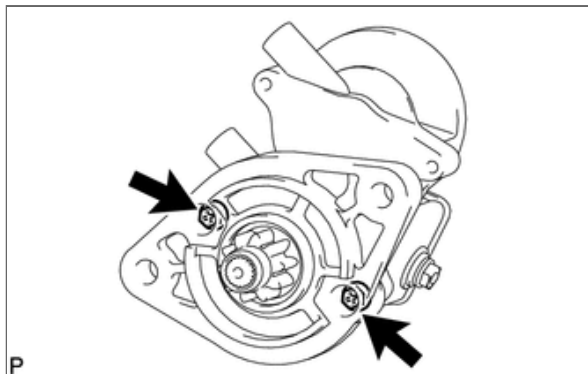
Turn the armature bearing and check that the armature bearing rotates smoothly and quietly.



### 4.REMOVE MAGNET STARTER SWITCH ASSEMBLY

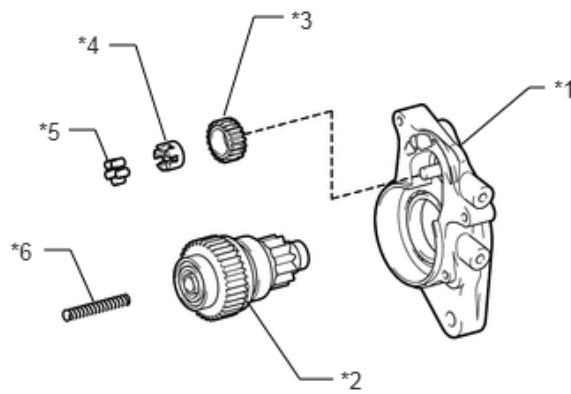
28150

a.



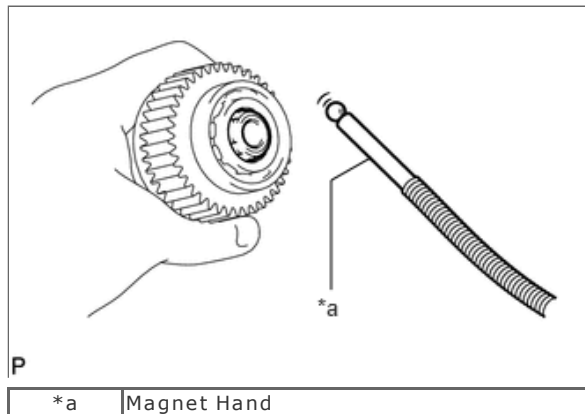
Remove the 2 screws and magnet starter switch assembly from the starter drive housing assembly.

b. Remove the idle gear, retainer, clutch roller, return spring and starter clutch sub-assembly from the starter drive housing assembly.



*1	Starter Drive Housing Assembly	*2	Starter Clutch Sub-assembly
*3	Idle Gear	*4	Retainer
*5	Clutch Roller	*6	Return Spring

c.



*a	Magnet Hand
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Using a magnet hand, remove the steel ball from the starter clutch sub-assembly hole.