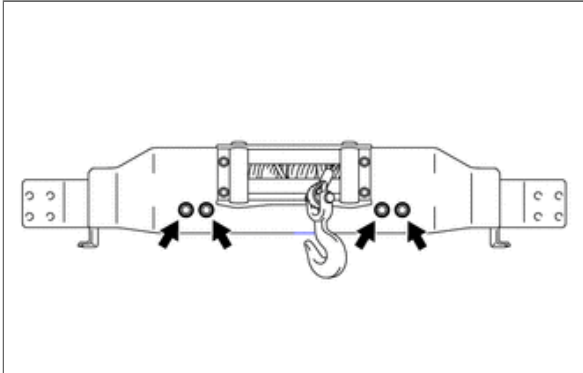
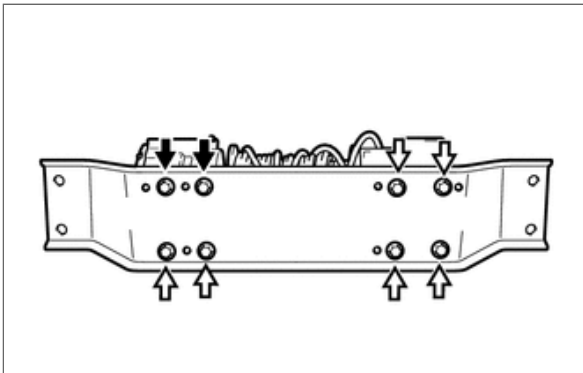




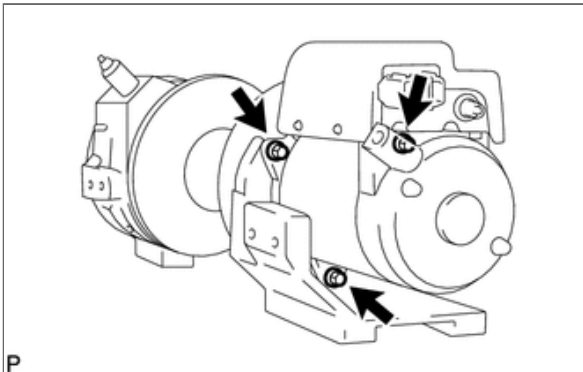
PROCEDURE**1.REMOVE WINCH MOTOR ASSEMBLY****38600A****a.**

Remove the 4 bolts and member.

b.

	Bolt A
	Bolt B

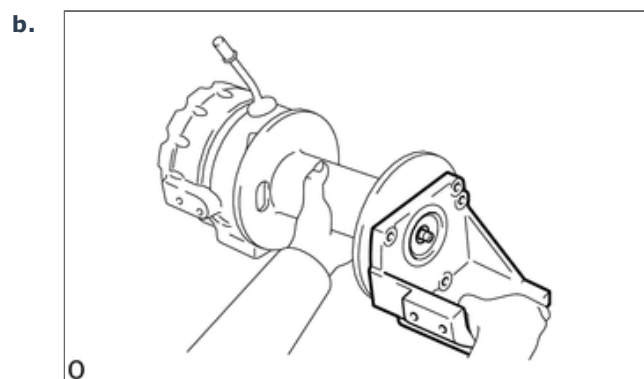
Remove the 2 bolts labeled A, 6 bolts labeled B and winch base.

c.**P**

Remove the 3 bolts and winch motor assembly.

2.REMOVE WINCH BRAKE CASE SUB-ASSEMBLY

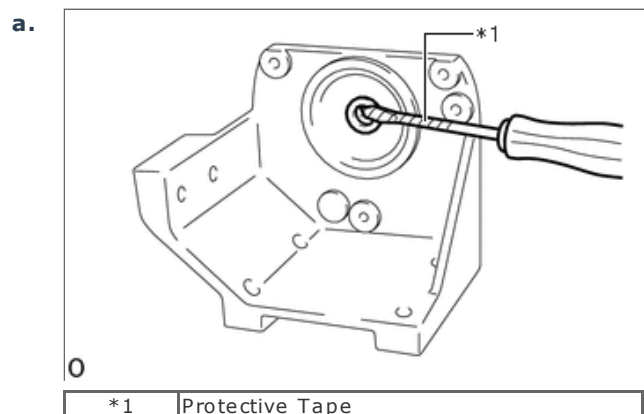
- a. Remove the bolt and winch wire guide.



Remove the winch brake case sub-assembly

- c. Remove the x-ring from the winch brake case sub-assembly.

3.REMOVE OIL SEAL



Using a screwdriver, remove the oil seal.

NOTICE:

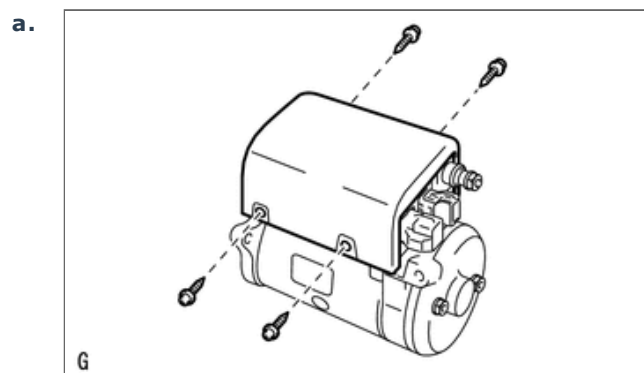
Do not damage the winch brake case sub-assembly when removing the oil seal.

HINT:

Tape the screwdriver tip before use.

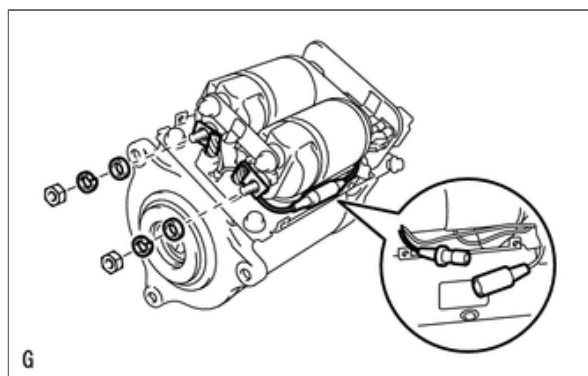
4.REMOVE MAGNET SWITCH WINCH COVER

38621B



Remove the 4 screws and cover.

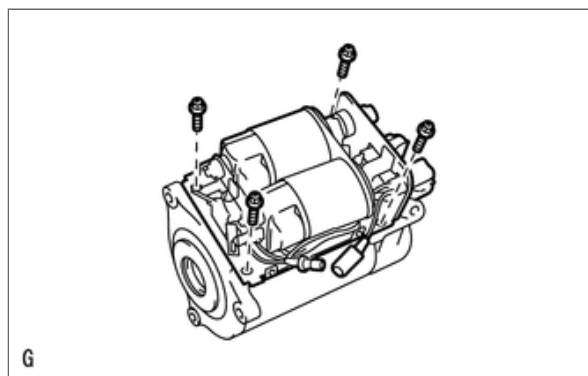
a.



Disconnect the connector.

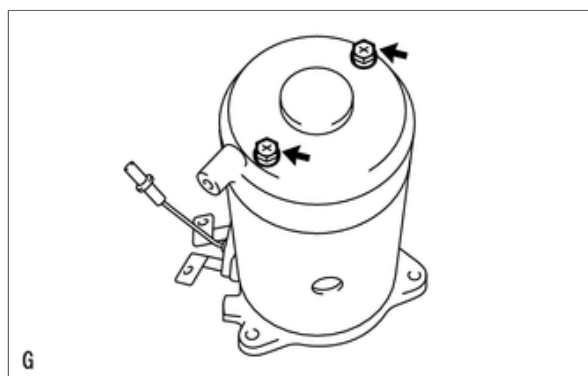
b. Remove the 2 nuts, 2 spring washers, 2 washers and wire harness.

c.



Remove the 4 bolts and magnet switch from the motor.

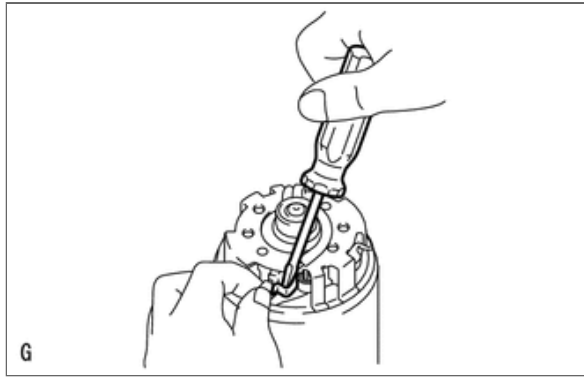
a.



Remove the 2 bolts and commutator end frame.

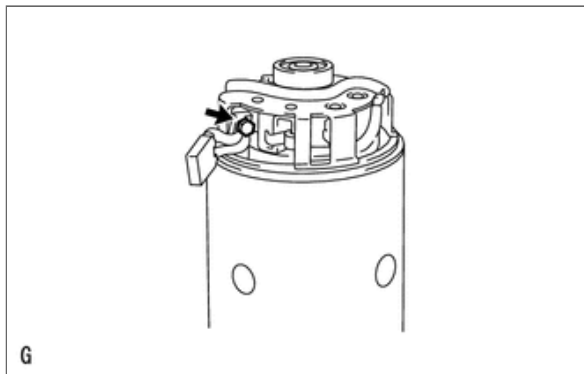
a. Remove the O-ring.

a.



Using a screwdriver, pry the brush spring forward and pull the brush out of the holder.

b.



Remove the bolt and brush from the brush holder.

HINT:

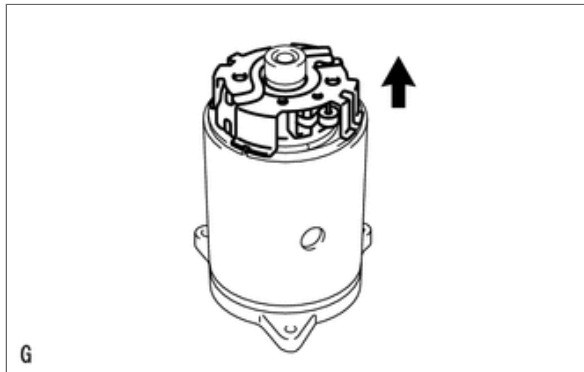
Use the same procedures to remove the 3 remaining brushes.



9.REMOVE WINCH MOTOR BRUSH HOLDER ASSEMBLY

38604A

a.



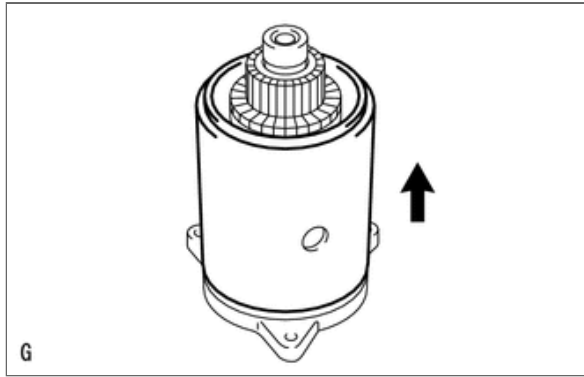
Remove the brush holder in the direction of the arrow shown in the illustration.



10.REMOVE WINCH MOTOR YOKE SUB-ASSEMBLY

38601A

a.

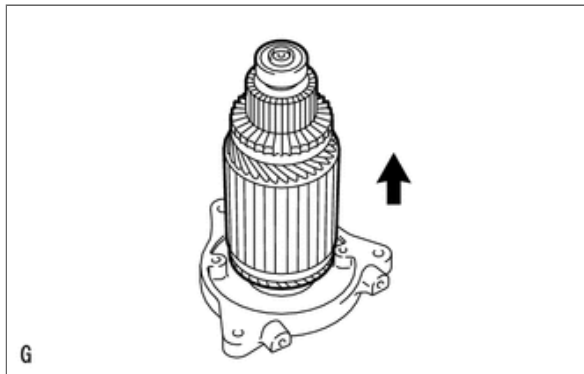


Remove the yoke in the direction of the arrow shown in the illustration.

11.REMOVE WINCH MOTOR ARMATURE SUB-ASSEMBLY

38603A

a.

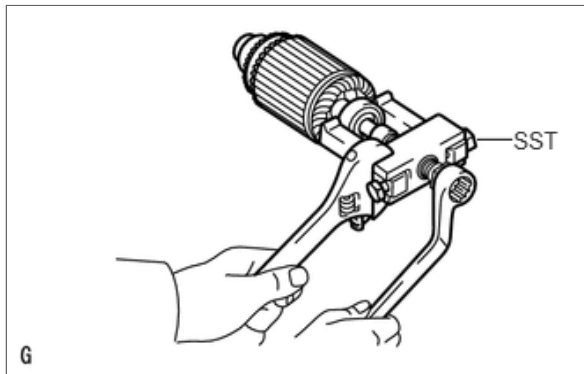


Remove the armature in the direction of the arrow shown in the illustration.

12.REMOVE NO. 1 WINCH MOTOR ARMATURE BEARING

38603B

a.



Using SST, remove the bearing.

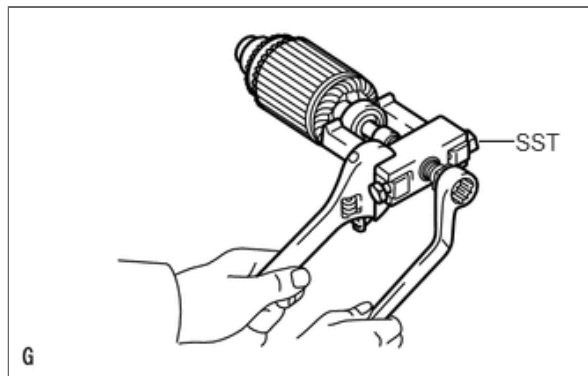
SST

09286-46011

13.REMOVE NO. 2 WINCH MOTOR ARMATURE BEARING

38603C

a.



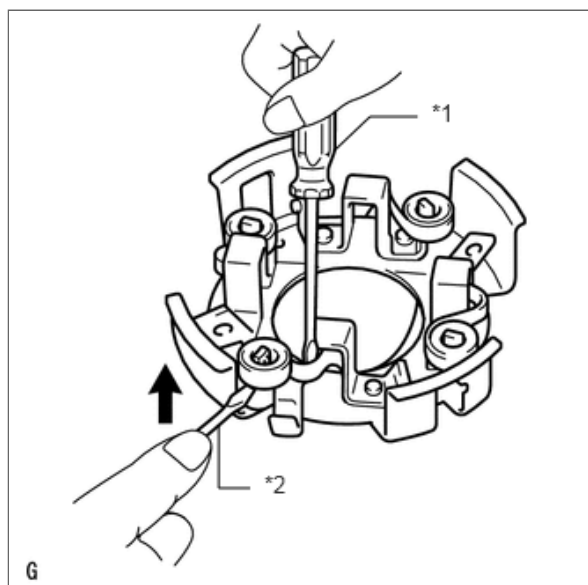
Using SST, remove the bearing.

SST
09628-62011

14.REMOVE WINCH MOTOR BRUSH SPRING

38613B

a.



*1	Screwdriver A
*2	Screwdriver B

Insert a screwdriver, labeled A, as shown in the illustration and pry the spring forward, then move the spring in the direction of the arrow shown in the illustration with a screwdriver, labeled B, to remove it from the holder.