

REPAIR GUIDELINE

Pole Hedge Trimmer Attachment_PTX5100



Draft Date: 01/10/2021

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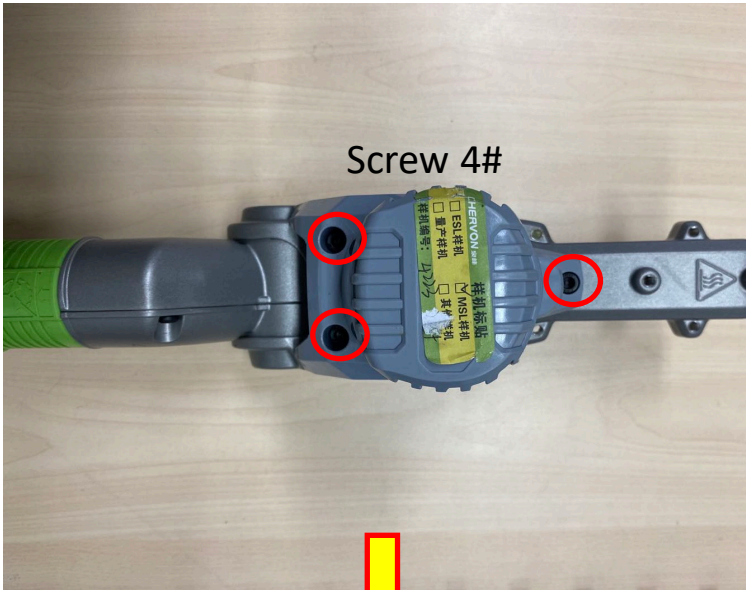
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Troubleshooting

Problem	Possible Cause	Fault Position	Test & Solution
Blade stuck	Blade worn or stuck due to resin.	Blade	Replace the worn blade with a new one or clean the resin.
Noise	Lack of grease in gearbox.	Gear case	Add grease
Release button stuck	Release button broken or worn	Release button	Replace the release button with a new one

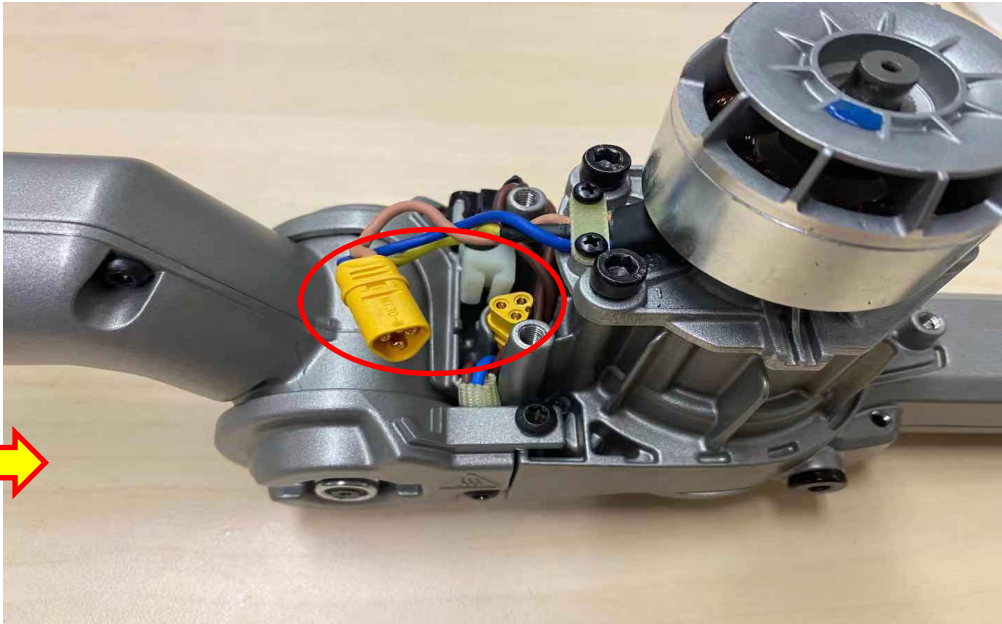
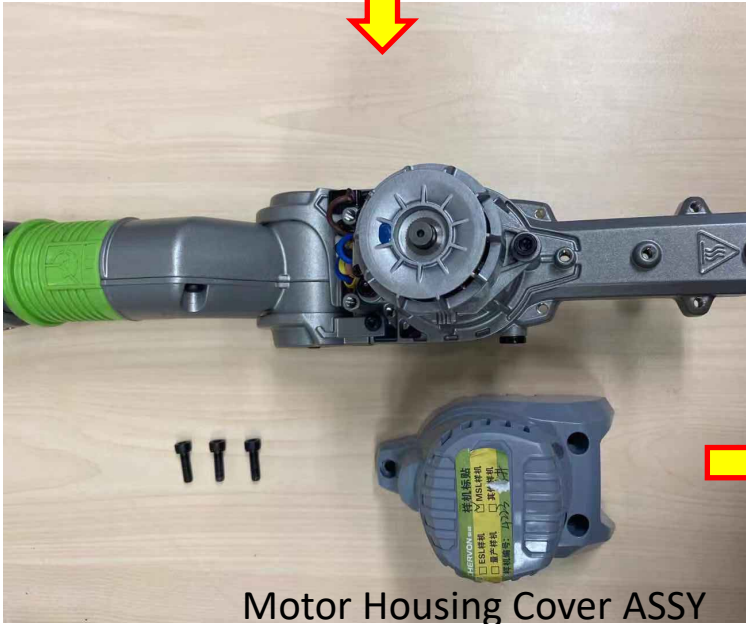
Part 1: Motor Problem Detection

Motor problem detection



1. Loosen the 3 screw 4# to remove the Motor Housing Cover Assembly.
2. Disconnect the yellow plug linked with the Motor and the Switch Assembly.

Description	Part Number	Qty.
Screw 4#	5620019004	3
Motor Housing Cover ASSY	2827735001	1



Motor problem detection

Test the motor assembly to judge if it is open-circuit.

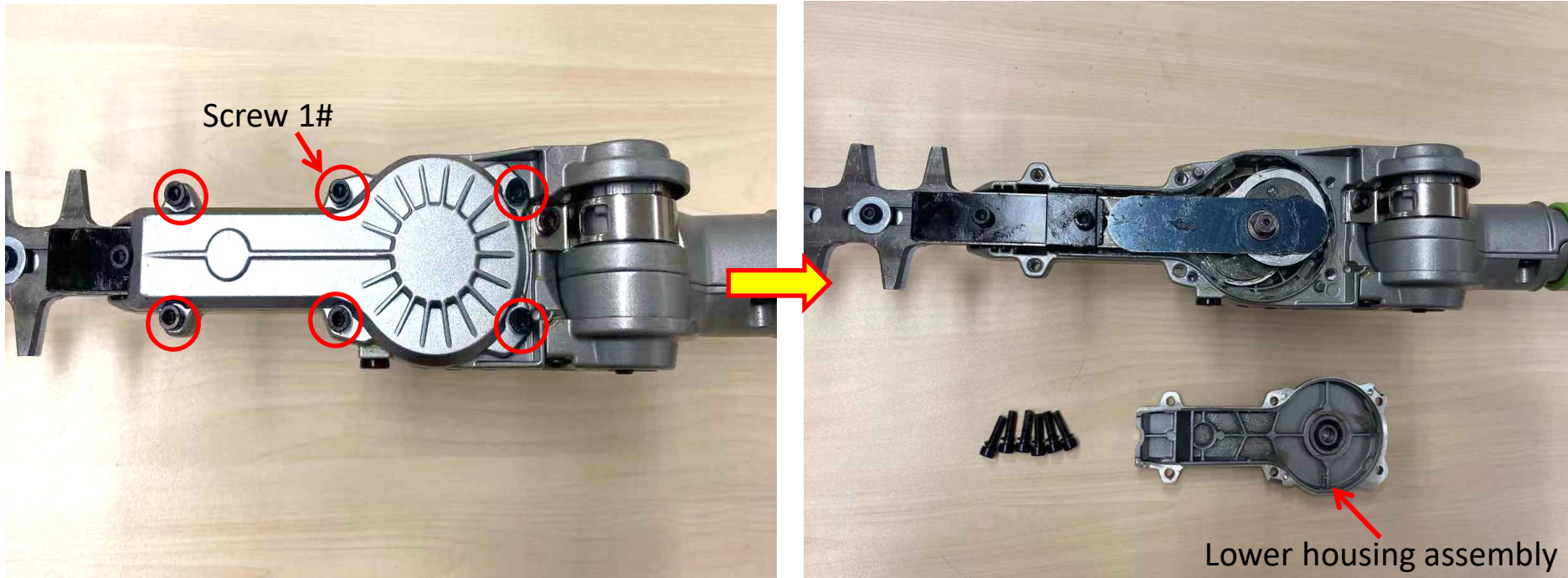


- a) Set the multimeter function to “Resistance measuring” .
- b) Measure the resistance between any of the two terminals.
- c) If any of the measurements is infinite, means the circuit between the two connectors is open circuit, the motor is damaged. Follow the procedure “Replace the Motor and Gear Assembly” to replace a new one.

Part 2: Replace the Blades

Replace the Blades

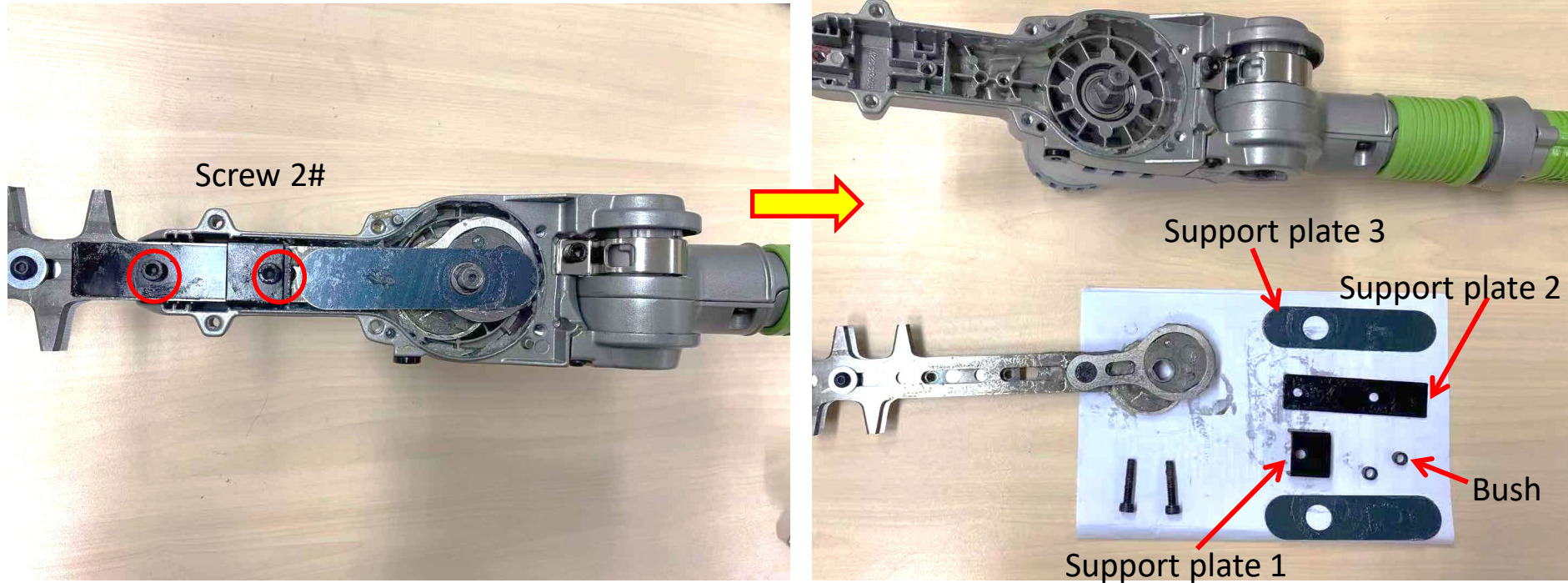
1. Loosen screw 1# to remove the lower housing assembly.



Description	Part Number	Qty.
Screw 1#	5620446005	6
Lower housing assembly	2824873002	1

Replace the Blades

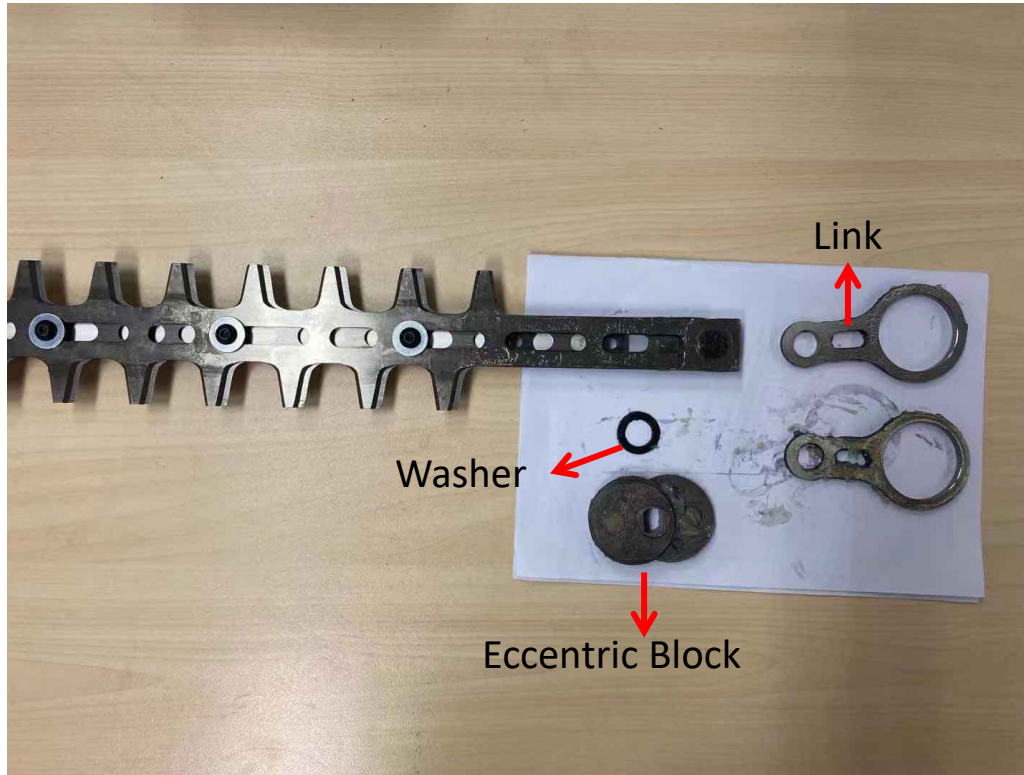
- Loosen screw 2# to remove support plates, bush, blade sets from the housing.



Description	Part Number	Qty.
Screw 2#	5620216005	2
Support plate 1	3706098001	1
Support plate 2	3705991001	1
Support plate 3	3700736001	2
Bush	5650671001	2

Replace the Blades

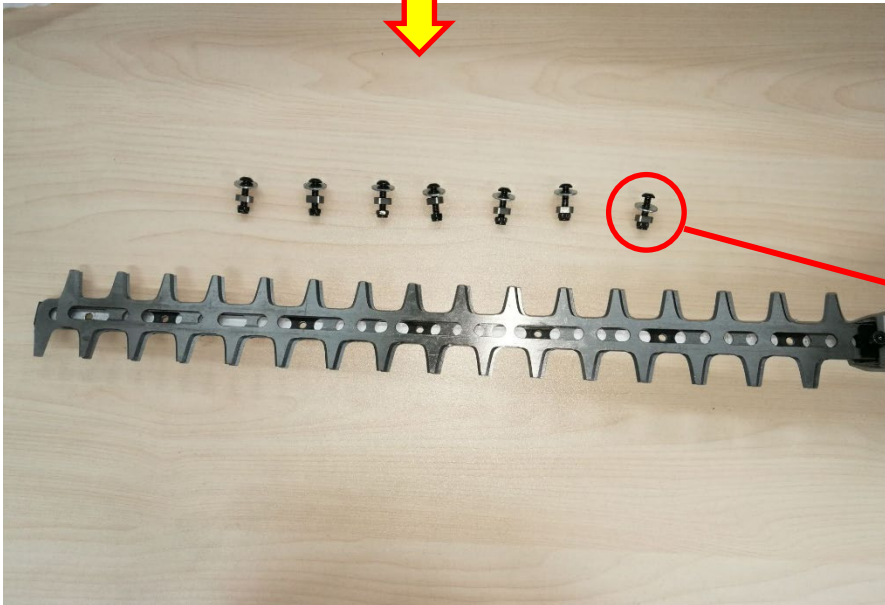
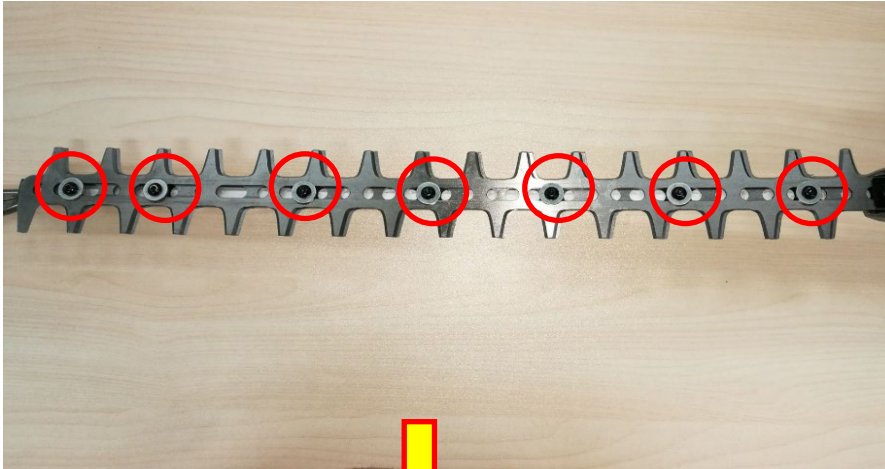
3. Remove link, eccentric block and washer from the blade set.



Description	Part Number	Qty.
Link	3706165001	2
Eccentric Block	3553504001	1
Washer	3700335001	1

Replace the Blades

4. Loosen the screw 3# to remove the screws, plain washers, bushes and nuts.



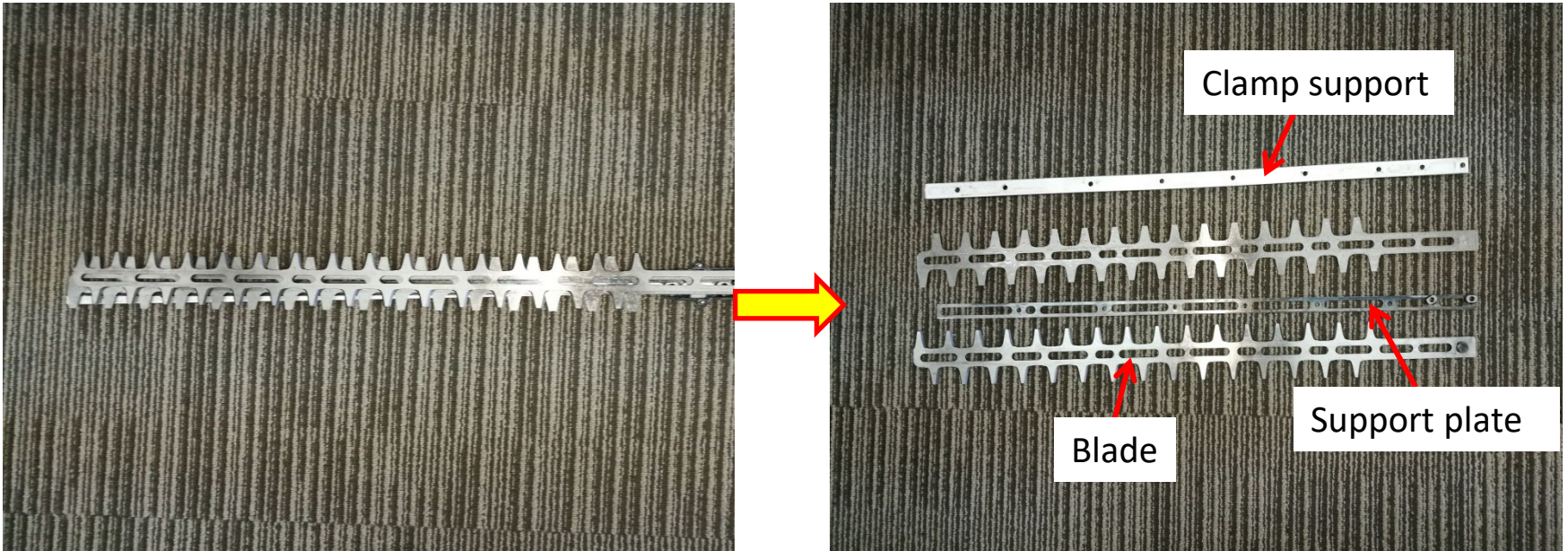
Description	Part Number	Qty.
Screw 3#	5620604001	7
Plain washer	5650487001	7
Bush	5650671001	7
Nut 1#	5630007006	7



Screw 3#
Plain washer
Bush
Nut 1#

Replace the Blades

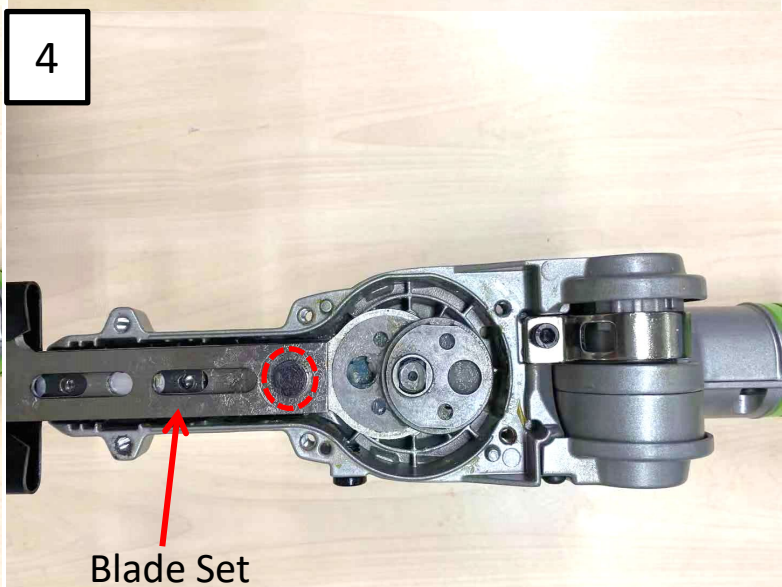
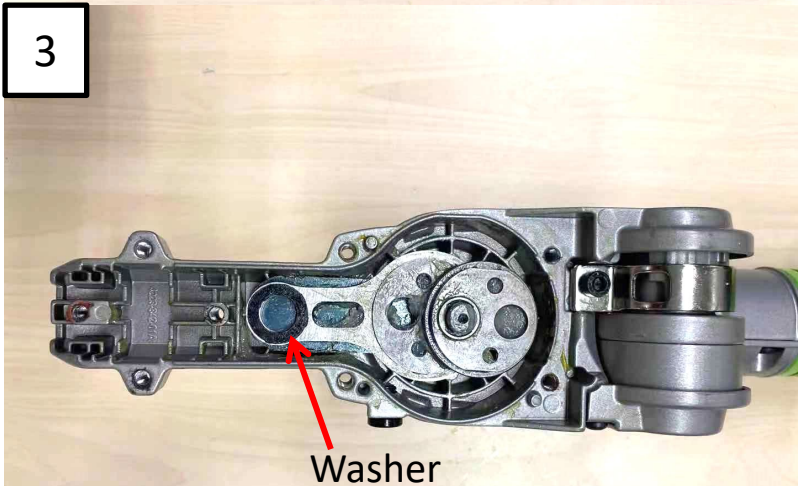
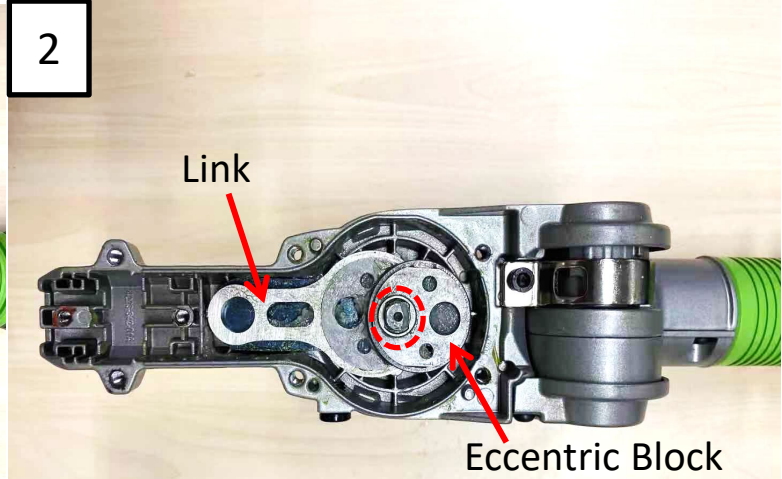
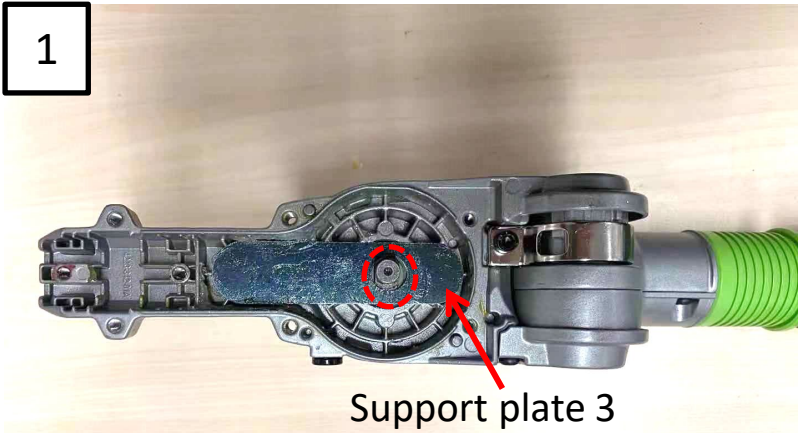
5. Remove the blades, support plate and clamp support in sequence.



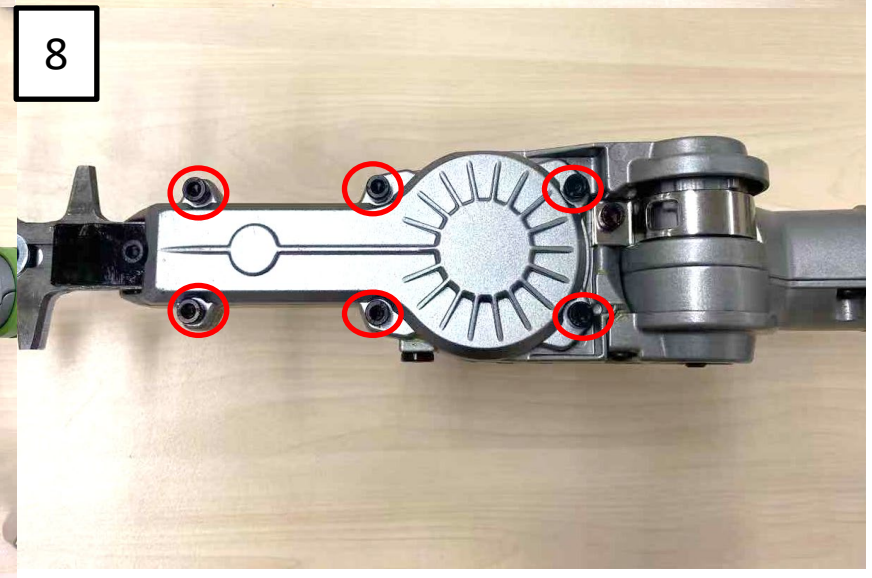
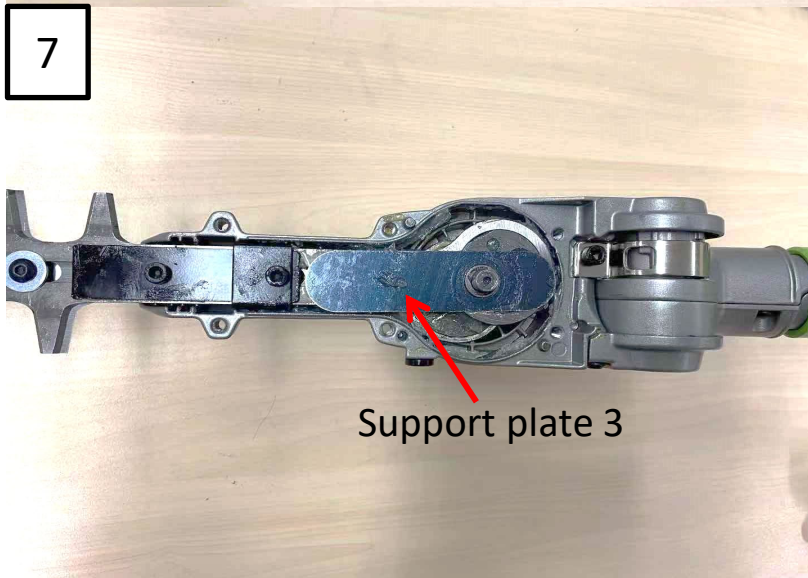
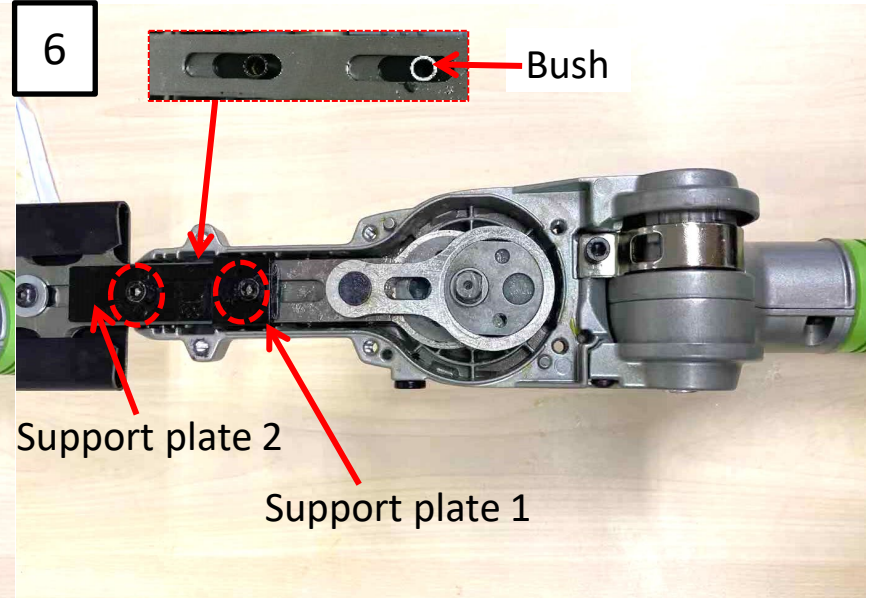
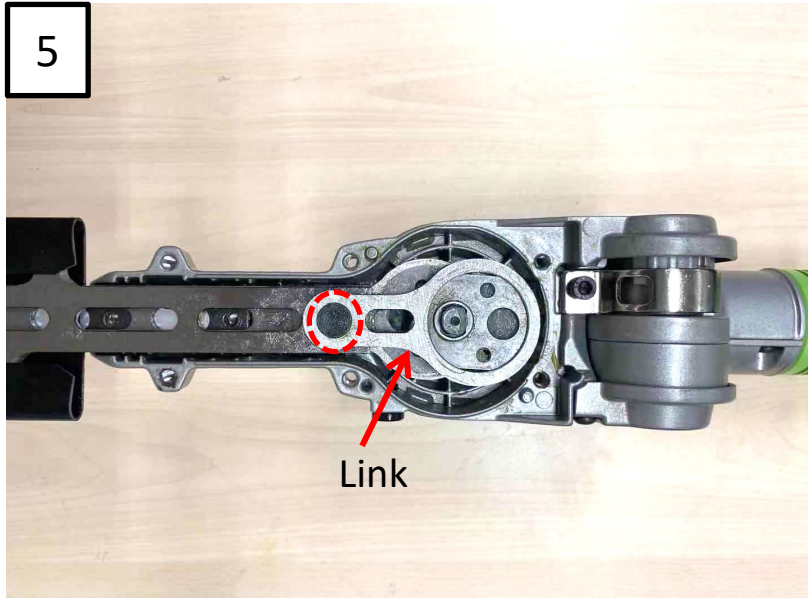
Description	Part Number	Qty.
Clamp support	3552609001	1
Support plate	3706193001	1
Blade	2827813001	2

Replace the Blades

6. Replace broken blades, mount the new blade set as the following steps.



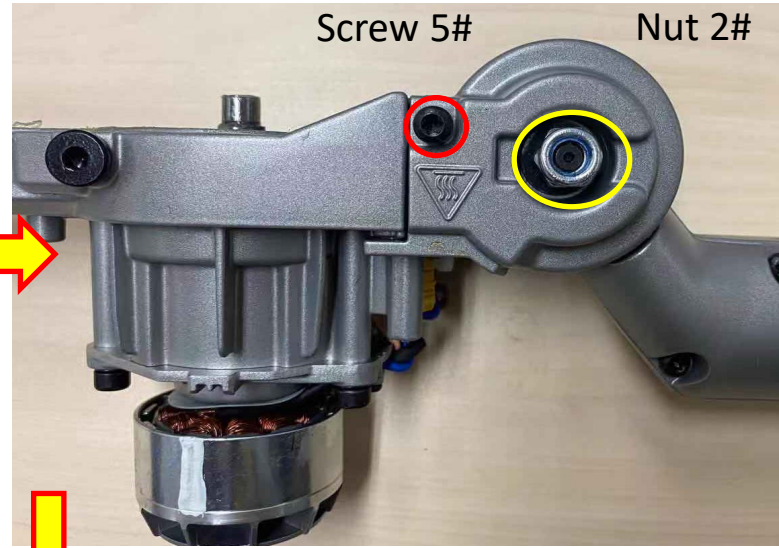
Replace the Blades



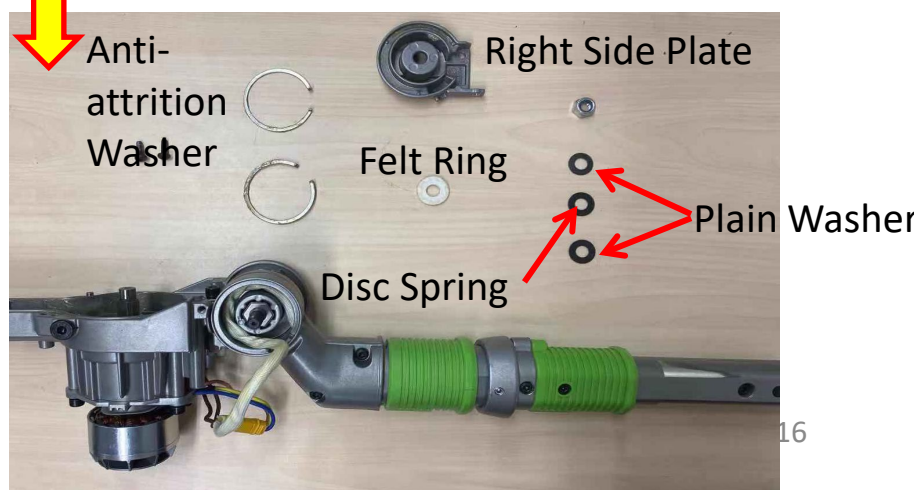
Part 3: Replace the Motor And Gear Case Assembly

Replace the Motor And Gear Case Assembly

1. Disassemble the motor housing cover ASSY as is shown in the “Motor Problem Detection” section.
2. Disassemble the blade set as “Replace the Blades ” section.
3. Loosen the 2 screws 5# and Nut 2# to remove the right side plate.

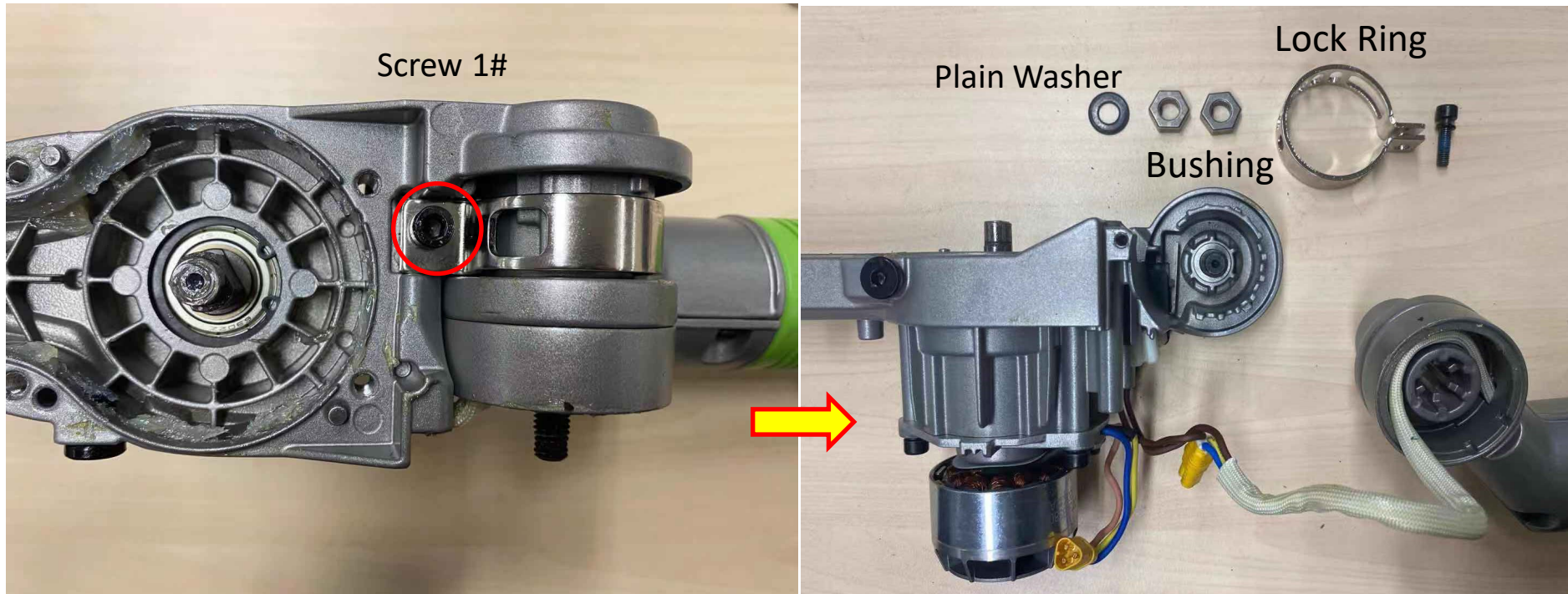


Description	Part Number	Qty.
Anti-attrition Washer	5650760001	2
Right Side Plate	3422813001	1
Felt Ring	5690440001	1
Plain Washer	5650569001	2
Disc Spring	3660652001	1
Screw 5#	5610237001	2
Nut 2#	5630271001	1



Replace the Motor And Gear Case Assembly

4. Loosen the screw 1# and remove the Connecting Lever ASSY from the shaft of Gear Case ASSY.



Description	Part Number	Qty.
Screw 1#	5620446005	1
Bushing	3580106001	2
Locking Ring	3707434001	1

Replace the Motor And Gear Case Assembly

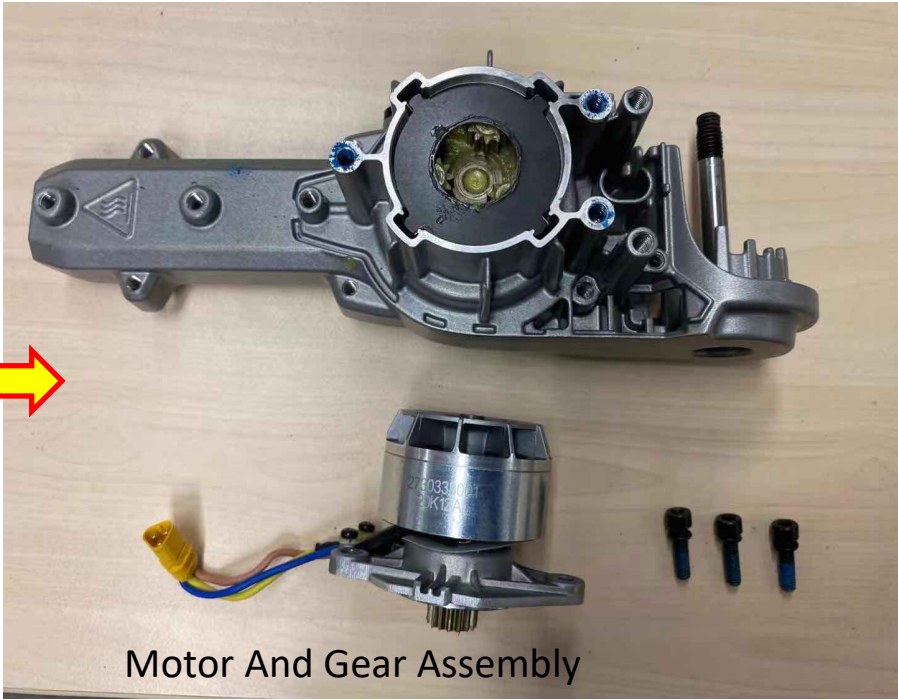
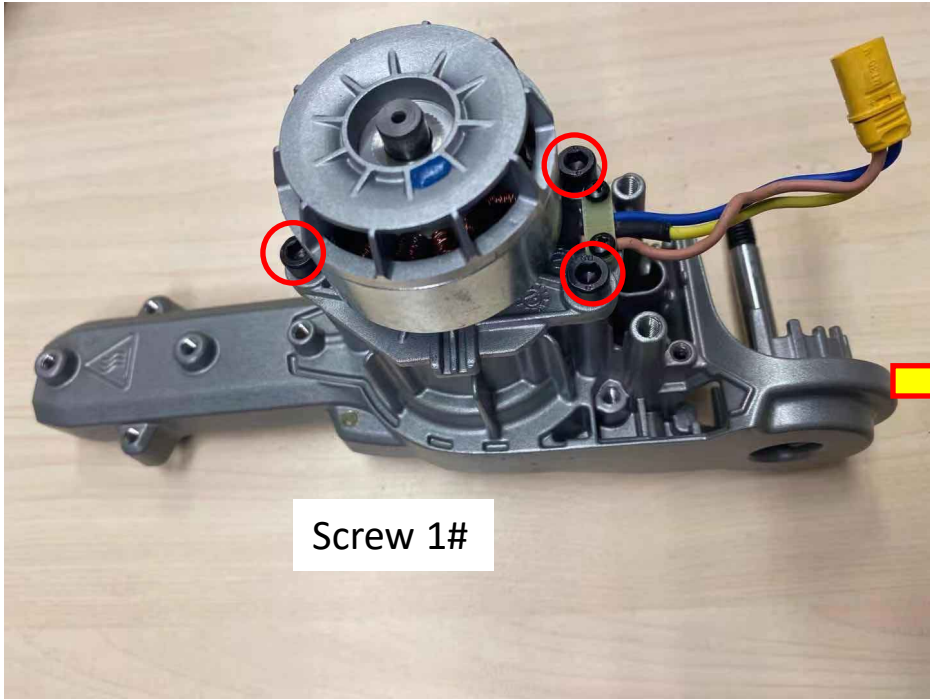
- Loosen the screw 5# to remove the fixing block from the motor and gear case ASSY .



Description	Part Number	Qty.
Fixing Block	2824878002	1
Motor And Gear Case ASSY		

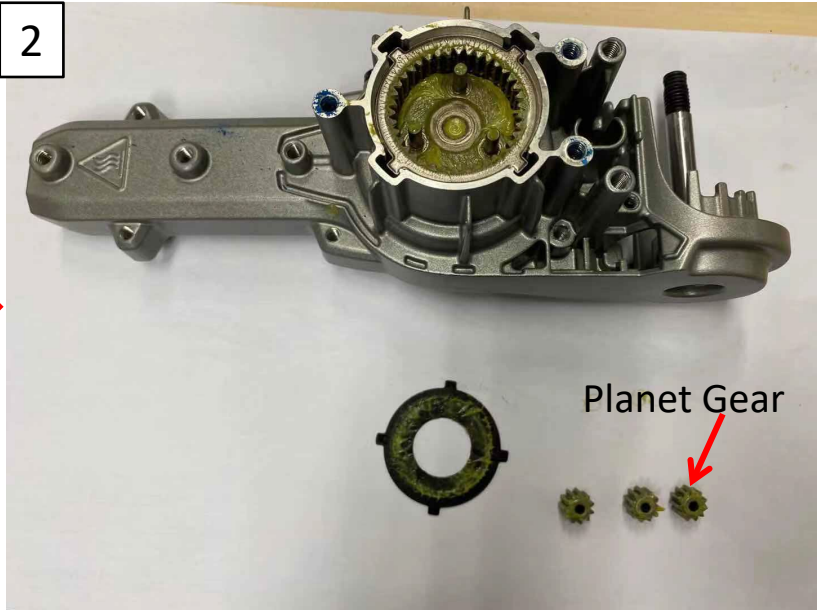
Replace the Motor And Gear Case Assembly

6. Loosen the screws 1# to remove the Motor And Gear Assembly.

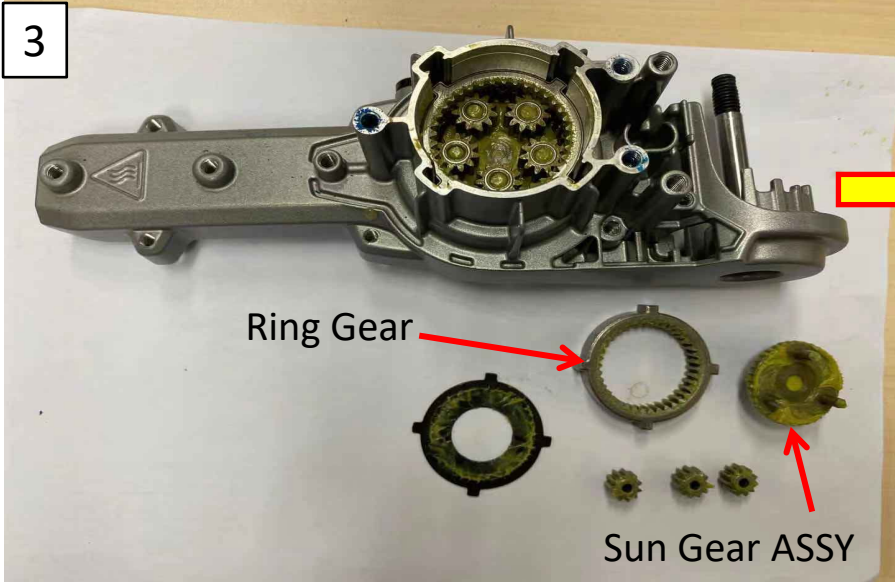


Replace the Motor And Gear Case Assembly

7. Take out the parts from the gear case ASSY one by one as Fig.1-5.



Replace the Motor And Gear Case Assembly

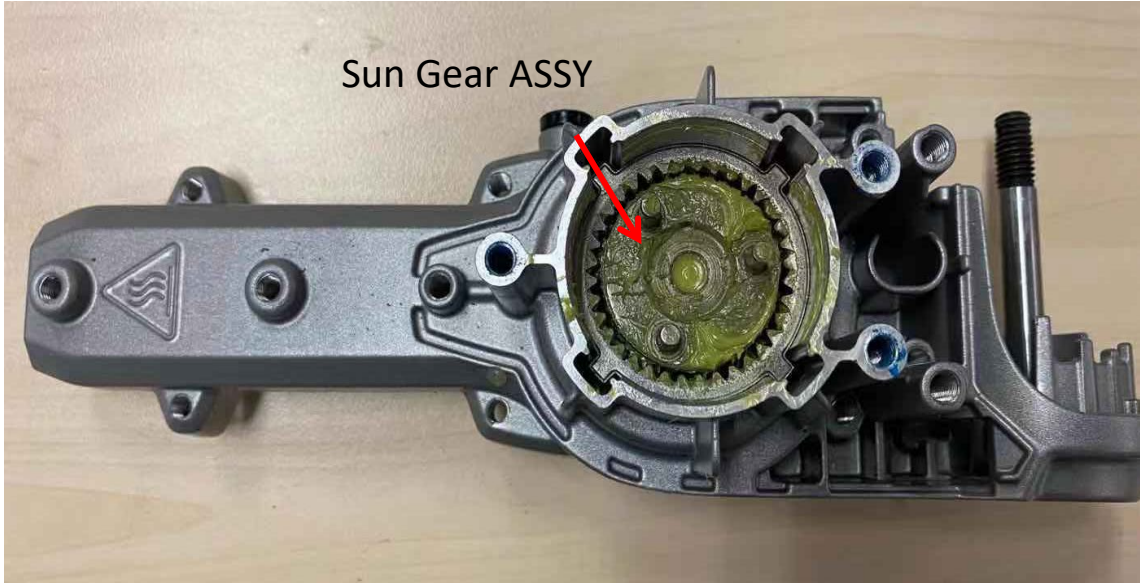


Replace the Motor And Gear Case Assembly

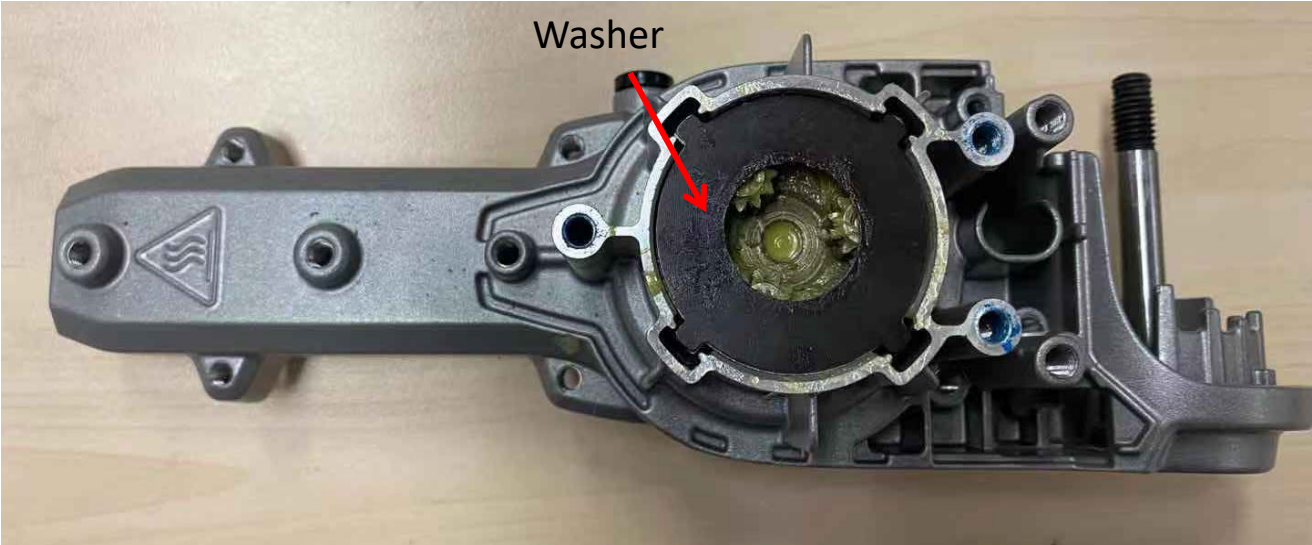
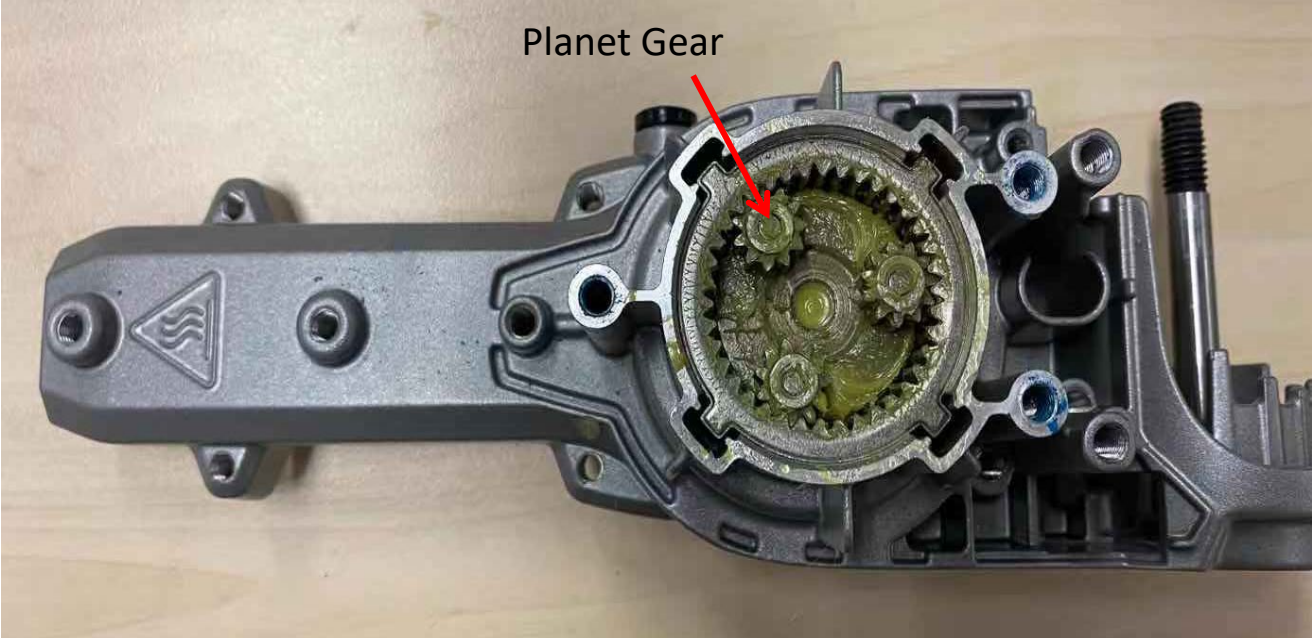
8. After replacing the broken parts, mount the Motor And Gear Case Assembly as the following steps.



Replace the Motor And Gear Case Assembly

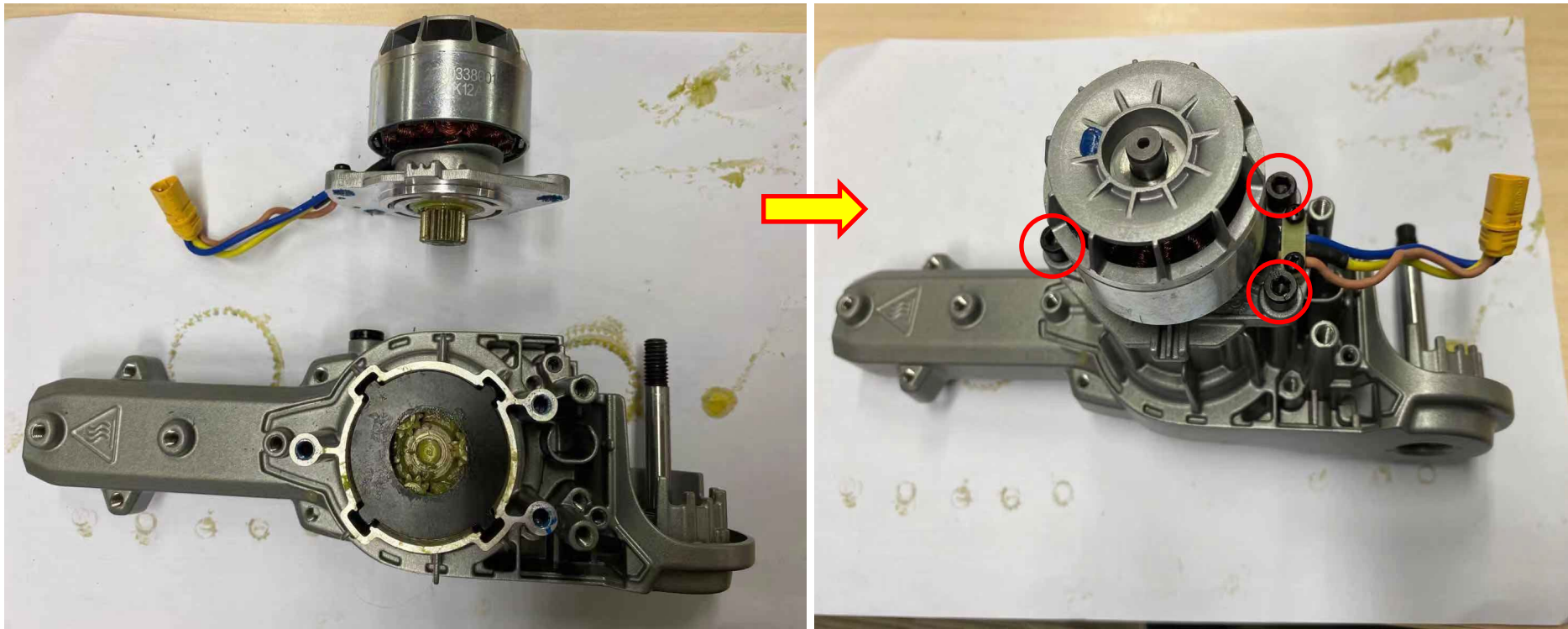


Replace the Motor And Gear Case Assembly



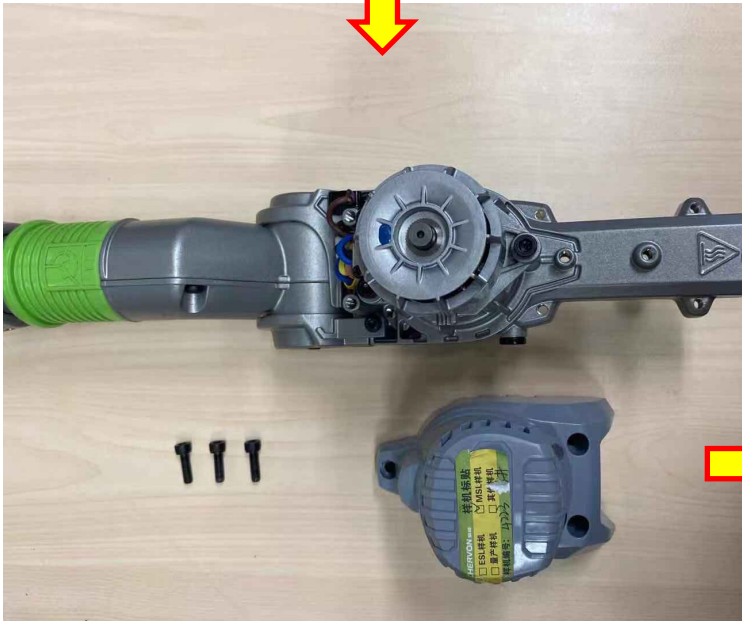
Replace the Motor And Gear Case Assembly

9. Mount the Motor And Gear Assembly on the Motor And Gear Case Assembly, tighten the 3 screws.
10. Assemble the blade ASSY showing in the 'Replace the Blades' part.
11. Assemble the Connecting Lever Assembly showing in the 'Replace the Connecting Lever Assembly'.

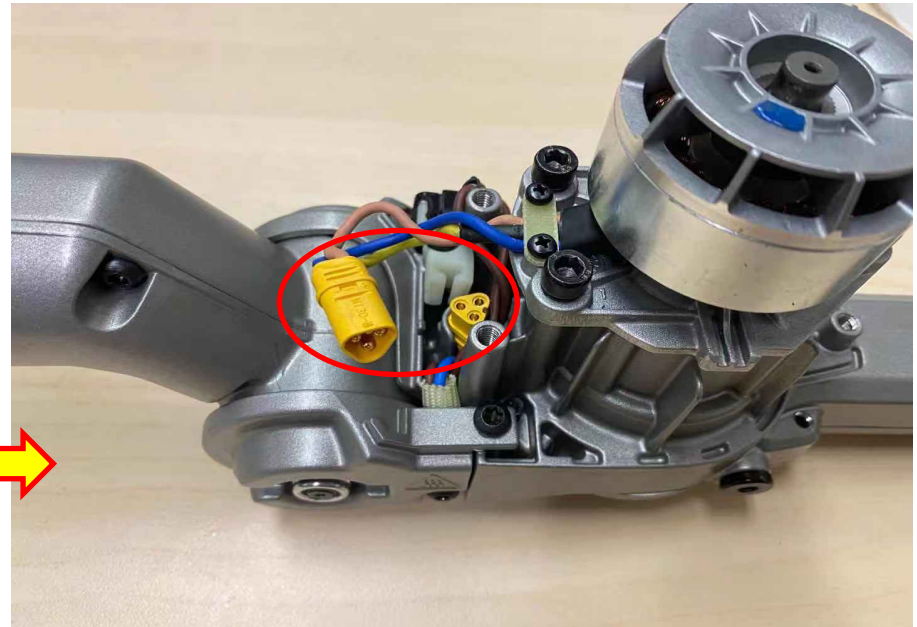


Part 4: Replace the Connecting Lever Assembly

Replace the Connecting Lever Assembly

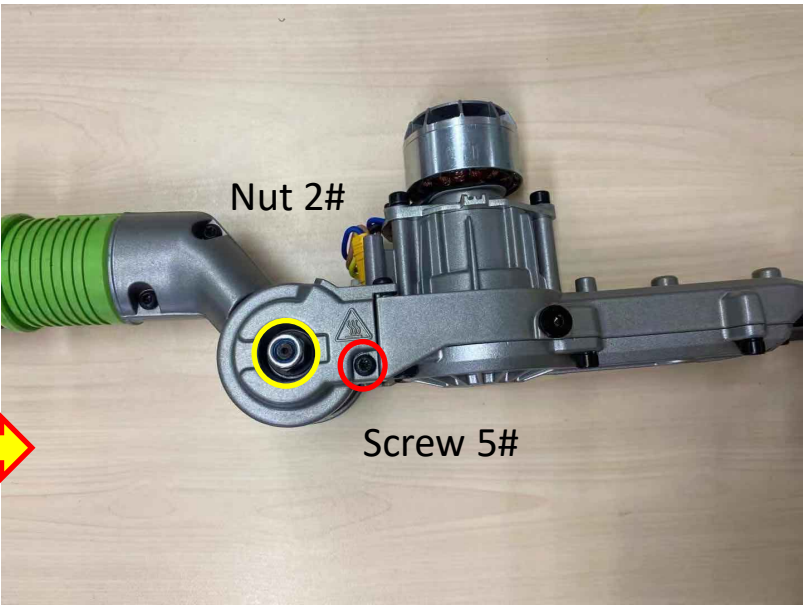
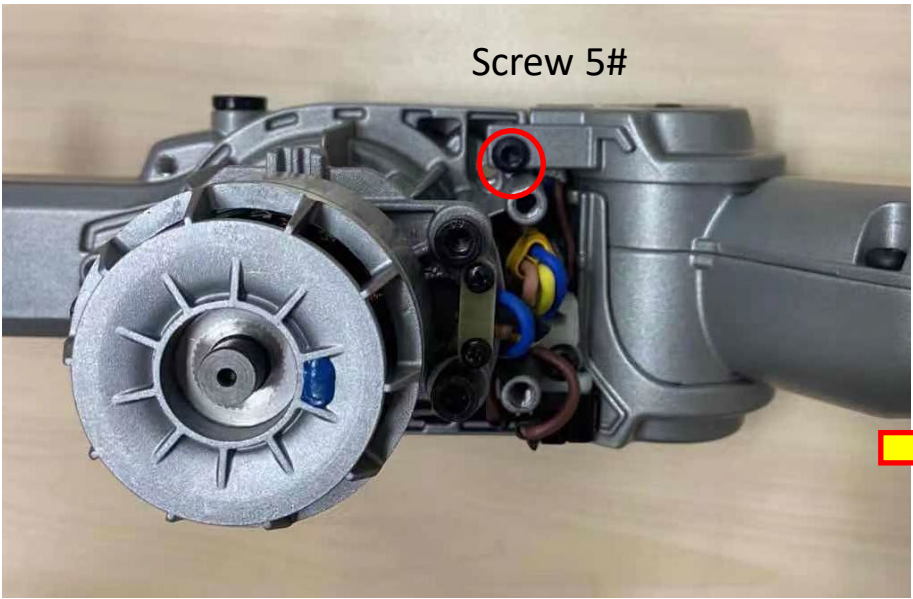


1. Loosen the 3 screws 4# to remove the Motor Housing Cover Assembly.
2. Disconnect the yellow plug linked with the Motor and the Switch Assembly.



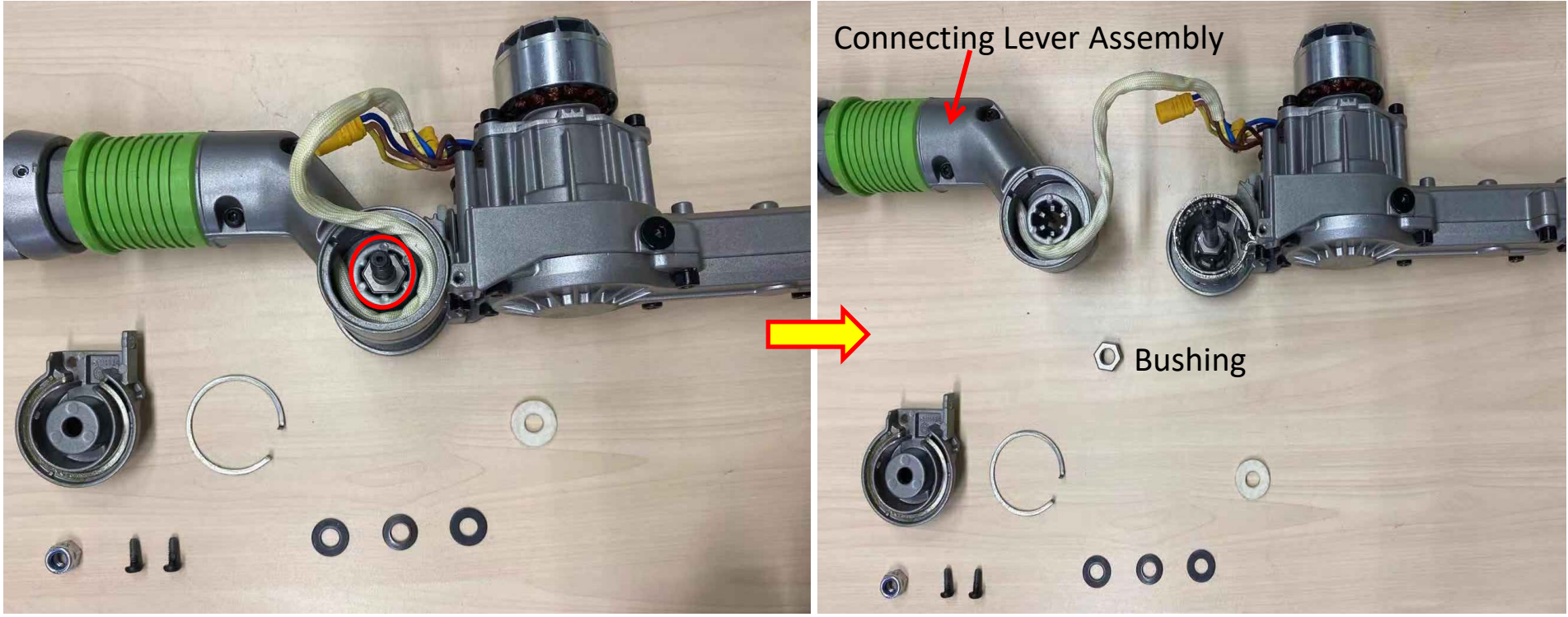
Replace the Connecting Lever Assembly

3. Loosen the 2 screws 5# and Nut 2# remove the right side plate.



Replace the Connecting Lever Assembly

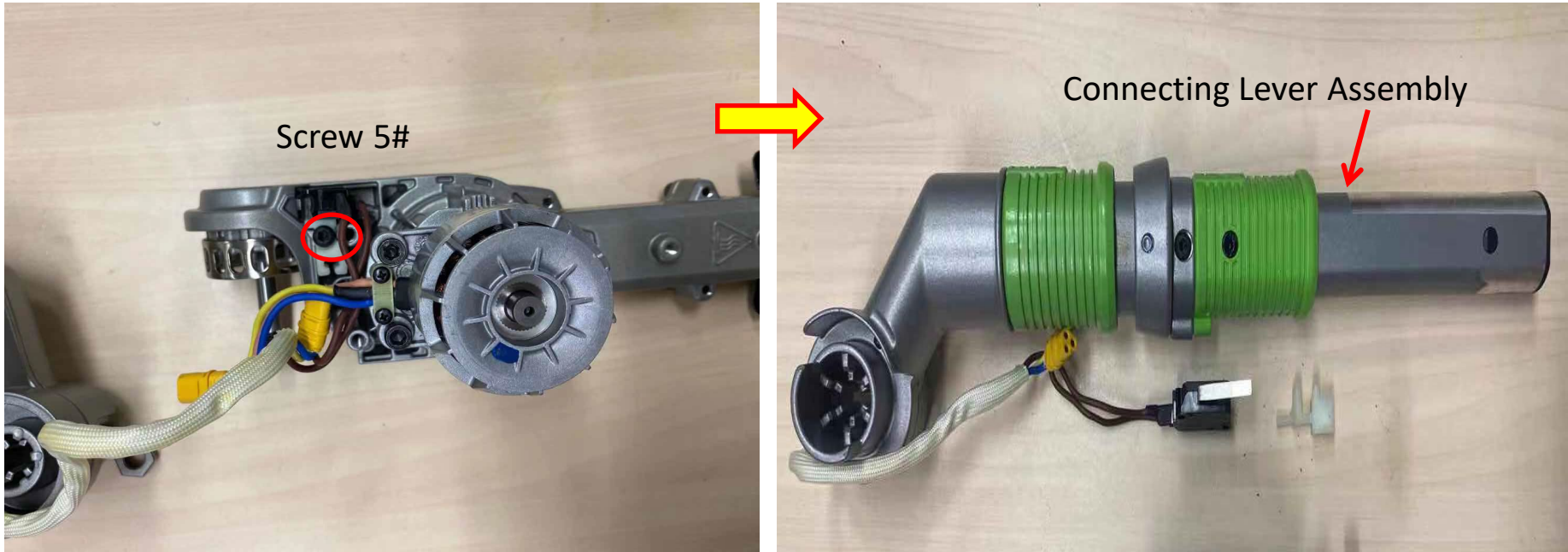
4. Remove the bushing and the connecting lever ASSY from the shaft.



Description	Part Number	Qty.
Gear	2824878002	1

Replace the Connecting Lever Assembly

- Loosen screw 5# to remove the fixing block to depart the connecting lever ASSY from the motor and gear case ASSY .



Description	Part Number	Qty.
Gear	2824878002	1

Replace the Connecting Lever Assembly

6. disassemble the connecting lever ASSY as the following steps.



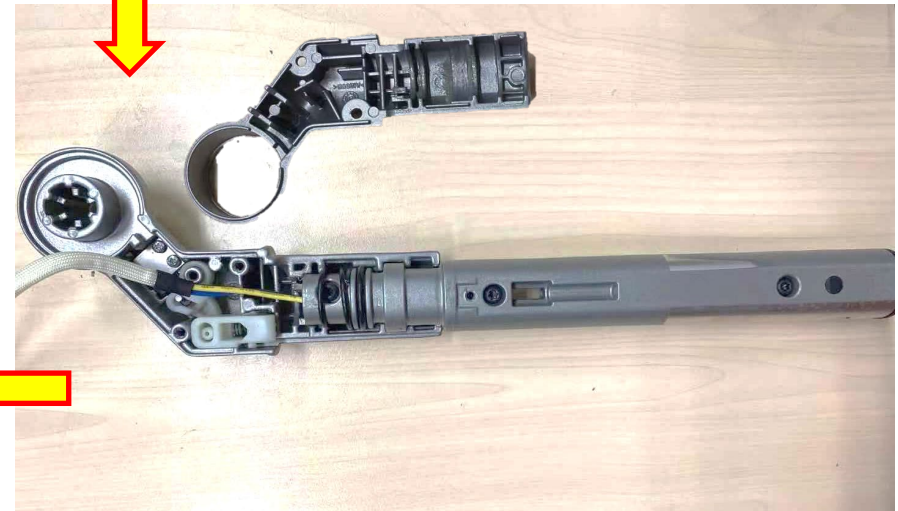
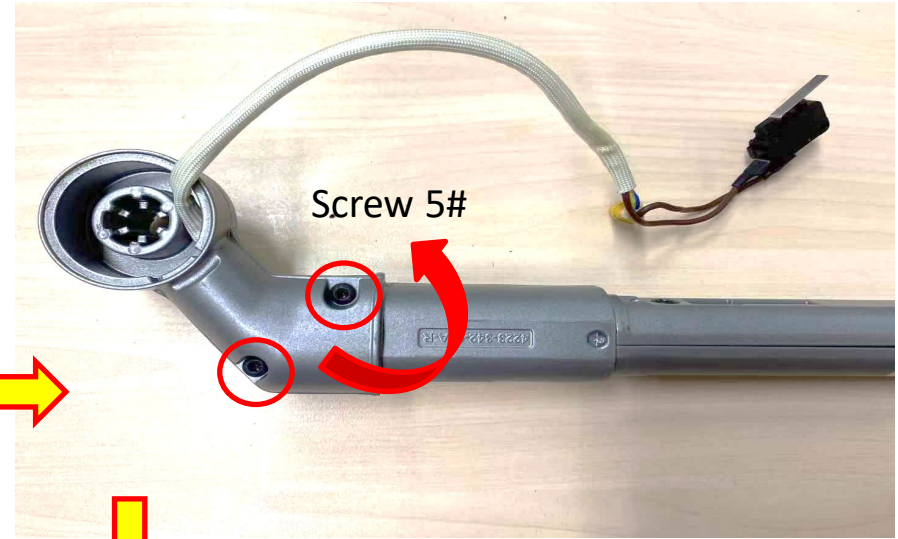
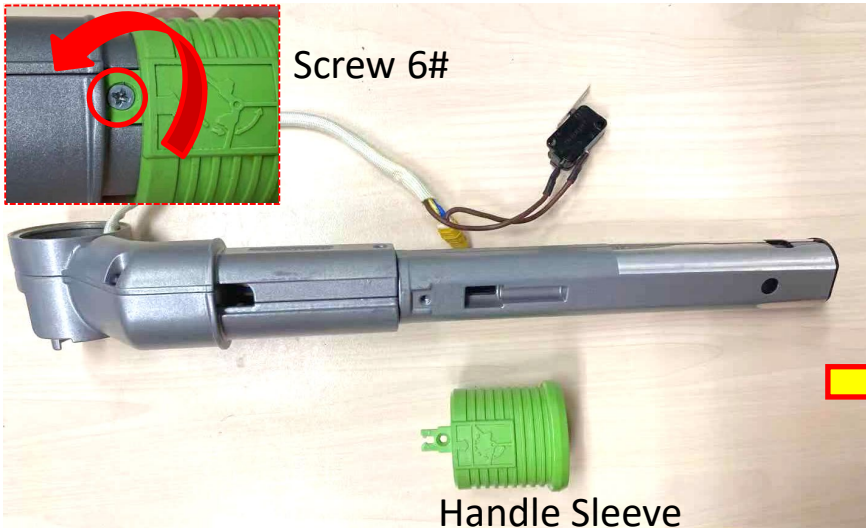
Replace the Connecting Lever Assembly

7. Loosen the 2 screws 6# and screws 5# to remove the locking ring ASSY and fixing block ASSY.



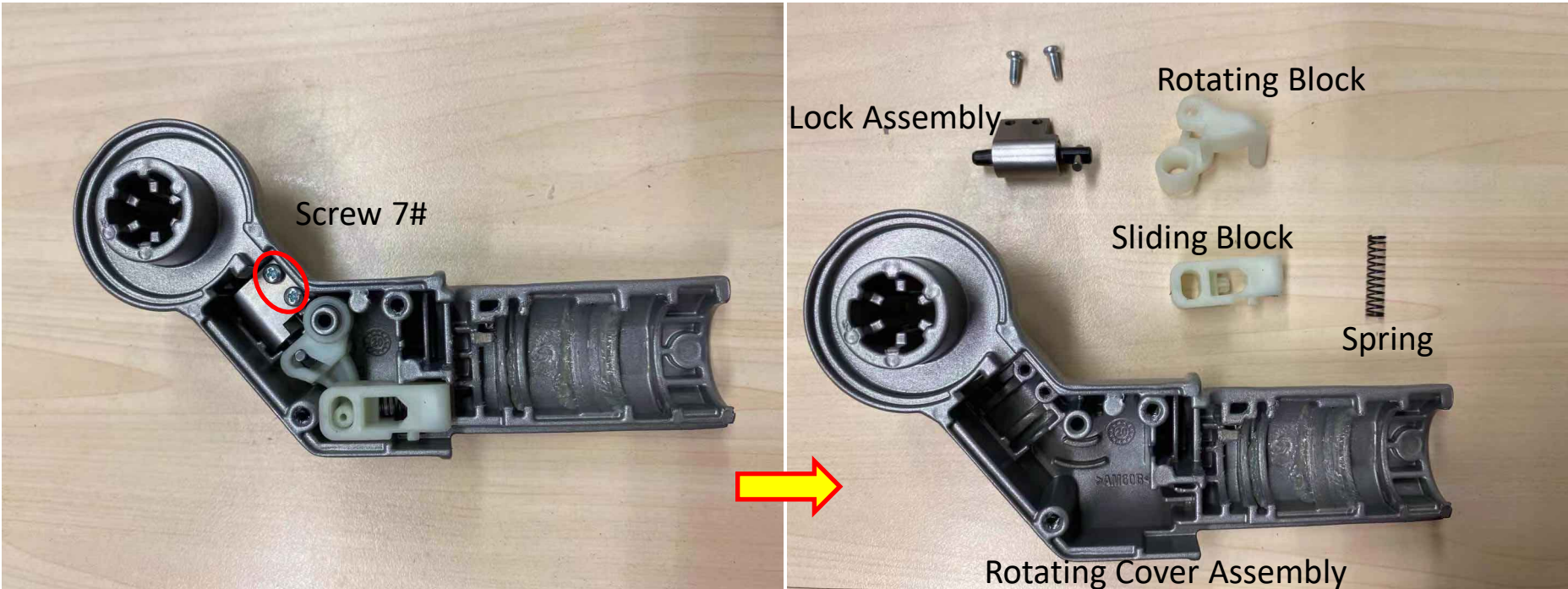
Replace the Connecting Lever Assembly

- Loosen the screw 6# and screws 5# to depart the parts as the following steps.



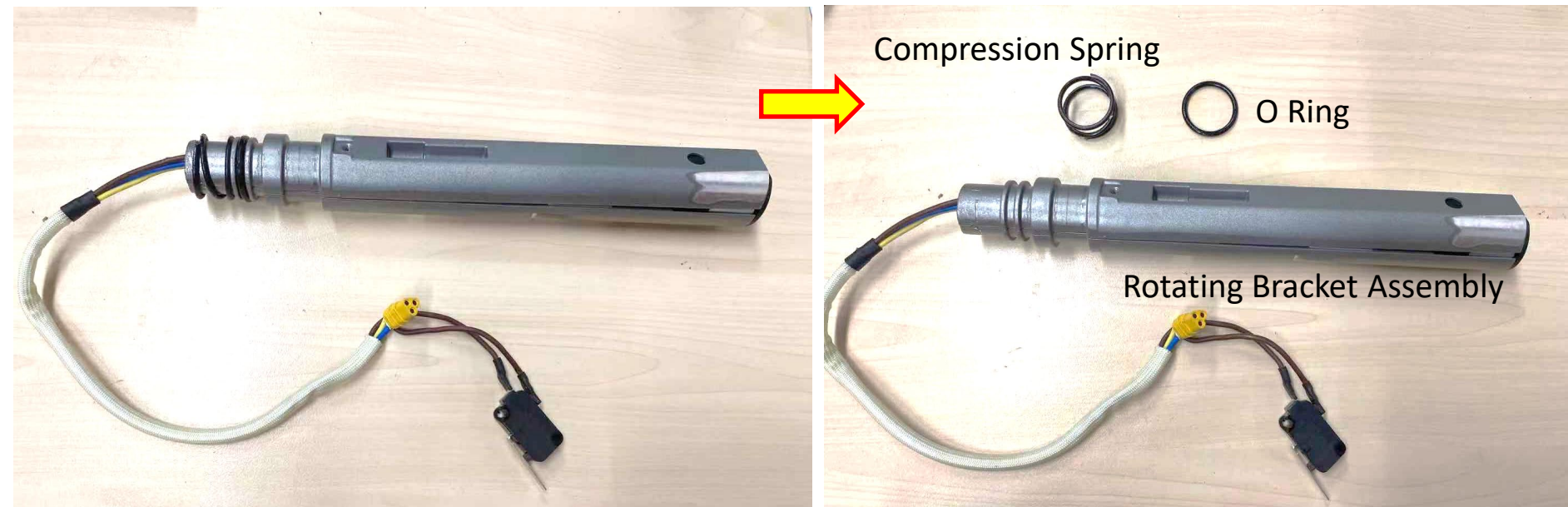
Replace the Connecting Lever Assembly

9. Loosen the 2 screws 7# to the parts from the Rotating Cover Assembly.



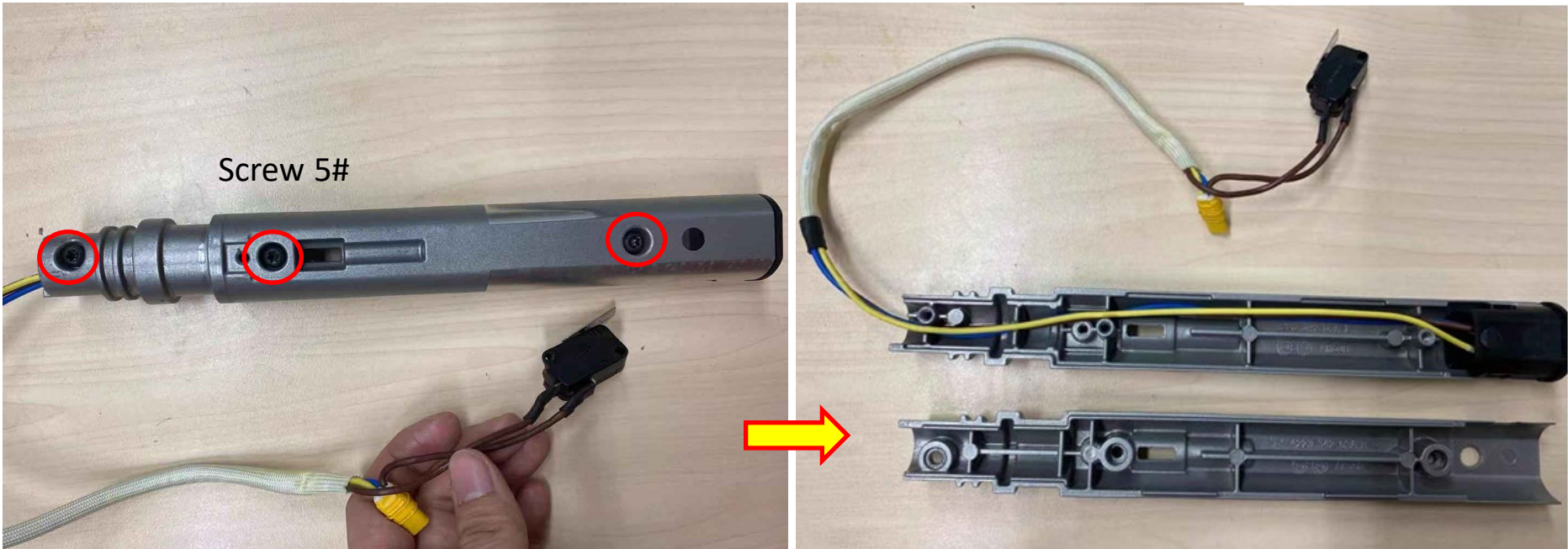
Replace the Connecting Lever Assembly

10. Remove the compression spring and O ring from the Rotating Bracket Assembly.



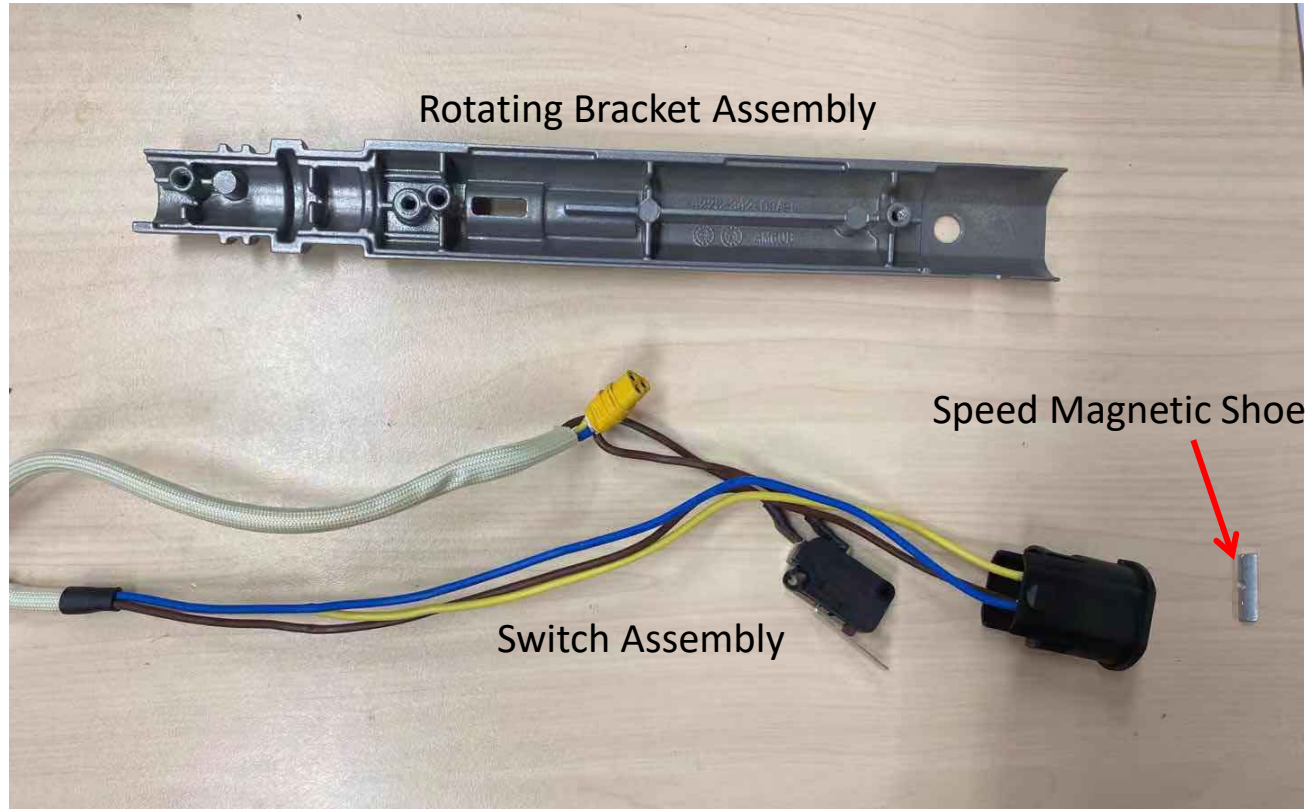
Replace the Connecting Lever Assembly

11. Loosen the 3 screws 5# to open the Rotating Bracket Assembly.



Replace the Connecting Lever Assembly

12. Remove the Switch Assembly from the Rotating Bracket Assembly, and replace a new switch ASSY.



Replace the Connecting Lever Assembly

13. Mount the Speed Magnetic Shoe on the new switch ASSY and put the switch ASSY on Rotating Bracket Assembly .



Replace the Connecting Lever Assembly

14. Tighten the 3 screws 5# to close the Rotating Bracket Assembly.
15. Mount the O ring and compression spring on the Rotating Bracket Assembly.



Replace the Connecting Lever Assembly

16. Mount the Rotating Bracket Assembly on the Rotating Cover Assembly .



Replace the Connecting Lever Assembly



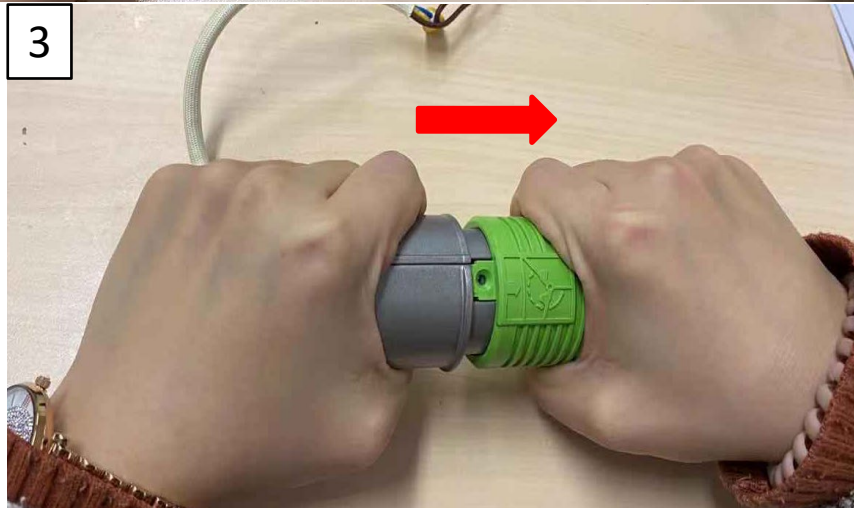
17. Tighten the screws 5# to close the Rotating Cover Assembly.



Replace the Connecting Lever Assembly

18. Mount the Handle Sleeve as the following steps.

Notice: When pull the handle sleeve make sure it catches the sliding block in step 3.



Replace the Connecting Lever Assembly

19. Mount the locking ring ASSY and fixing block ASSY on the connecting lever ASSY by tightening the screws.



Replace the Connecting Lever Assembly

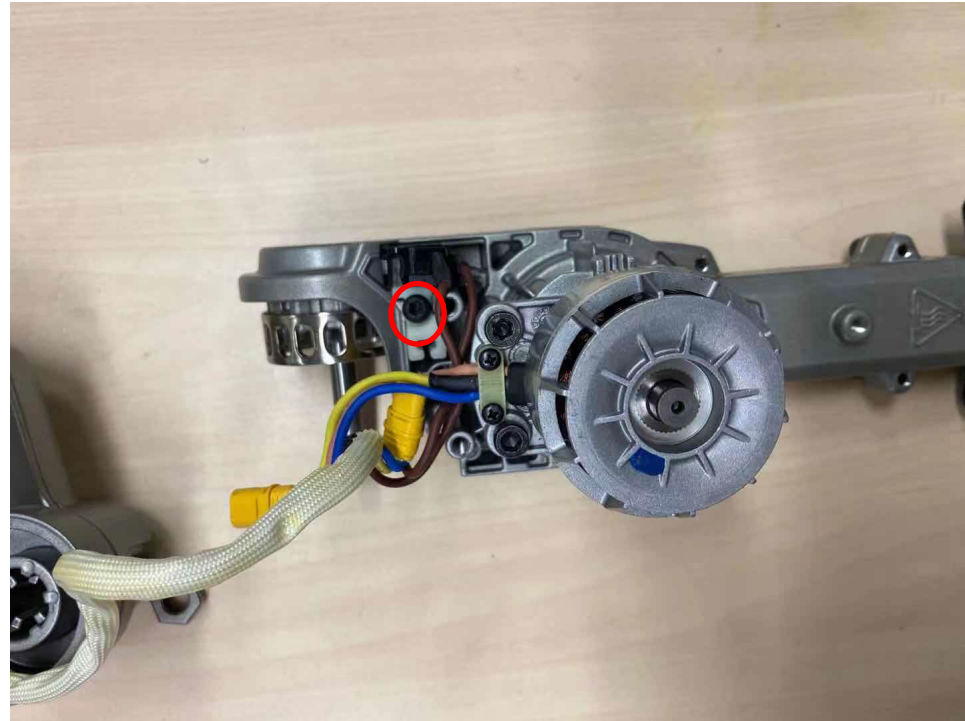
20. Mount the Lead Screw Nut and the compression spring on the connecting lever ASSY, then mount the handle sleeve by tightening the screws 5# .



Replace the Connecting Lever Assembly



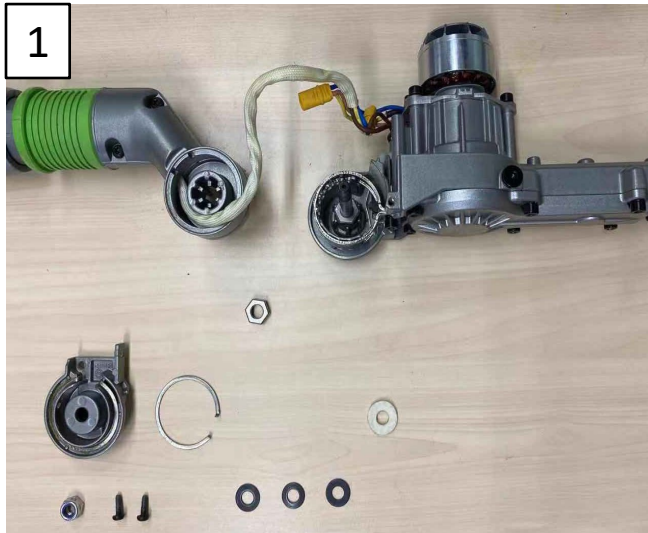
21. Insert the switch into the hole on the gear case ASSY, then use the fixing block to fix it with tightening the screw 5#.



Replace the Connecting Lever Assembly

22. Insert the connecting lever ASSY on the shaft of the gear case ASSY, then put the bushing on it.

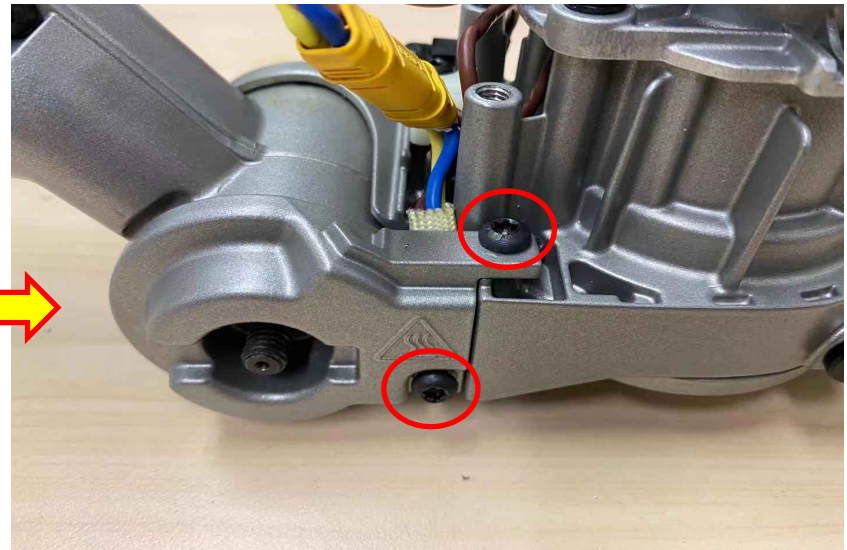
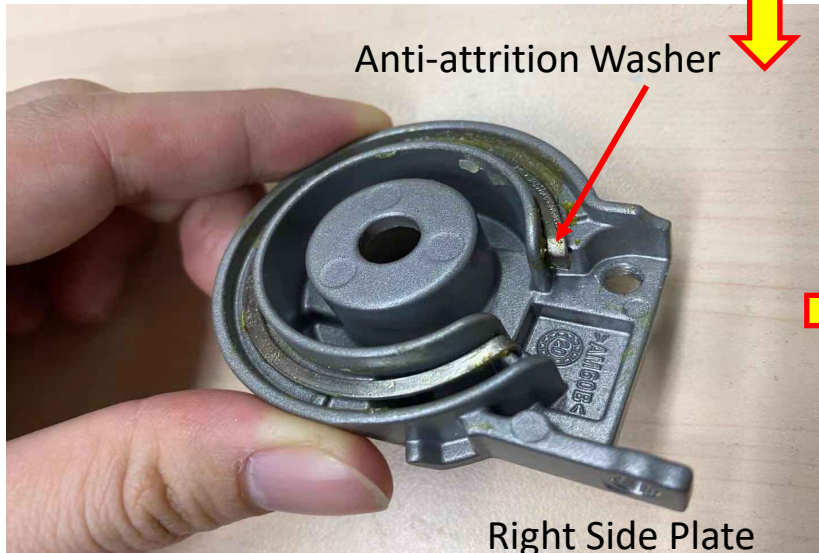
23. Connect the yellow plug, then put the felt ring on the shaft.



Replace the Connecting Lever Assembly



24. Put one anti-attribution on the border of the connecting lever ASSY and another anti-attribution on the border of the right side plate.
25. Wrap the wire harness twice inside the connecting lever ASSY, then fix the right side plate by tightening 2 screws 5#.



Replace the Connecting Lever Assembly

26. Put the yellow connector into the groove of the gear case ASSY, then close the Motor Housing Cover Assembly by tightening the 3 screws.

