

REPAIR GUIDELINE

String Trimmer Attachment_STA1500



Version: 1

Issue Date: 01/26/2017

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Troubleshooting

Problem	Possible Cause	Fault Position	Test & Solution
Not feeding line	Poor cutting line	Trimmer line	Replace the cutting line. (e.g. 2.4mm nylon line)
Hard to wind up line	Support of the lower housing assembly is worn	Lower housing assembly	Replace the lower housing assembly
Not cutting the line	Blade on the guard assembly is worn	Guard assembly	Replace the guard assembly

Tool List For Repair

NO.	Tool List	SPEC	Remark
1	Socket wrench	14mm	
2	Hex wrench	4mm	

Part 1: Replace the Housing Assembly and Gear Case

Replace the Housing Assembly and Gear Case

1. Loosen 2 screws to disassemble the guard assembly, if the guard assembly is broken, replace it with a new one.



Description	Part Number	Qty.
Tapping screw	5620216003	2
Guard assembly	2824957002	1

Replace the Housing Assembly and Gear Case

2. Press the release tabs to remove the lower housing assembly.



Description	Part Number	Qty.
Lower housing assembly	2824946001	1



Replace the Housing Assembly and Gear Case

3. Take the spring out of the upper housing assembly.



Replace the Housing Assembly and Gear Case

4. Rotate the upper housing assembly to align the slot in the flange with the hole in the gear case.
5. Insert the hex wrench into the aligned holes to act as a stabilizer.



Replace the Housing Assembly and Gear Case

6. Loosen the nut with multifunction wrench clockwise to remove it from the shaft.



Replace the Housing Assembly and Gear Case

7. Take the plain washer out of the shaft.



Replace the Housing Assembly and Gear Case

8. Take the upper housing assembly out of the shaft.



Description	Part Number	Qty.
Upper housing assembly	2824947001	1

Replace the Housing Assembly and Gear Case

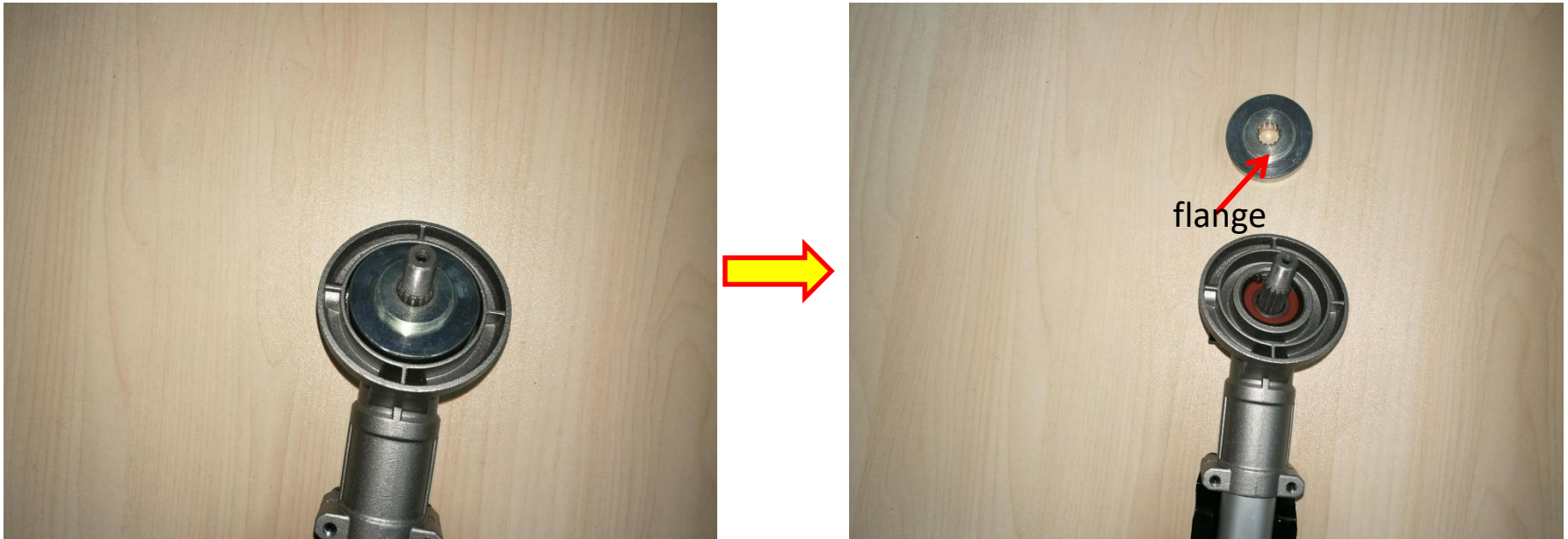
9. Take the flange cover out of the shaft.



Description	Part Number	Qty.
Flange cover	3706103001	1

Replace the Housing Assembly and Gear Case

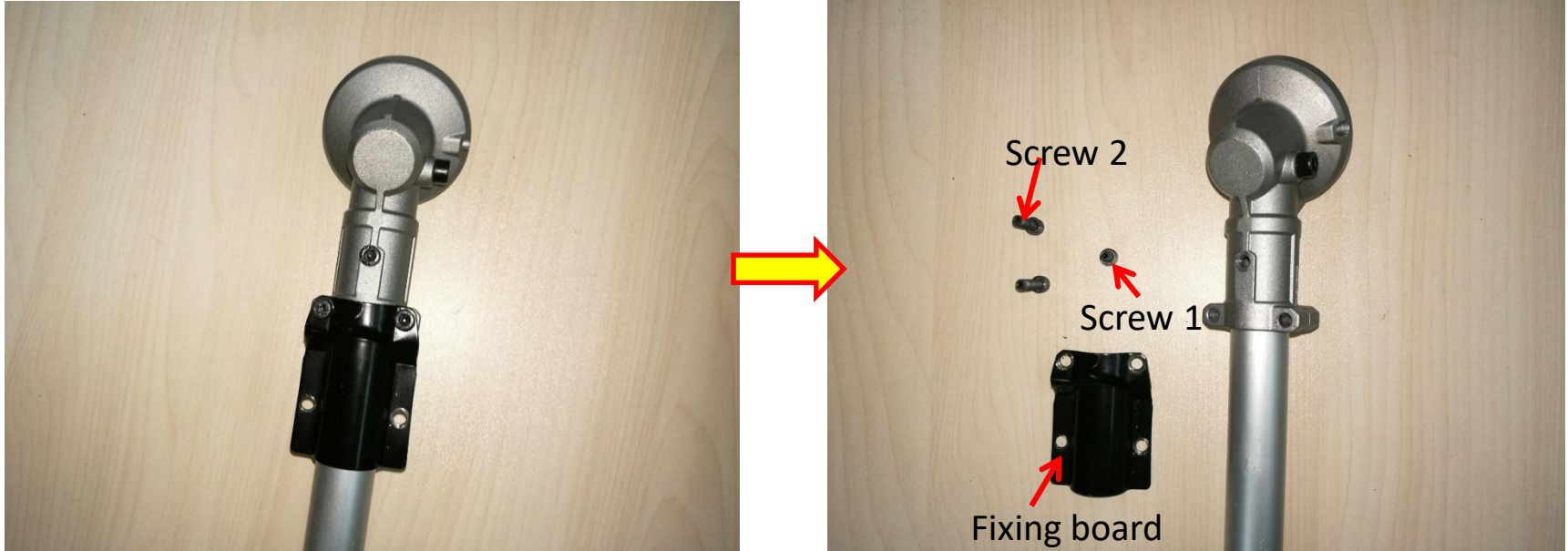
10. Take the flange out of the shaft.



Description	Part Number	Qty.
Inner flange	3552509001	1

Replace the Housing Assembly and Gear Case

11. Loosen 3 screws to remove the fixing board.



Description	Part Number	Qty.
Screw 1	5620213003	1
Screw 2	5620216003	2
Fixing board	3705417001	1

Replace the Housing Assembly and Gear Case

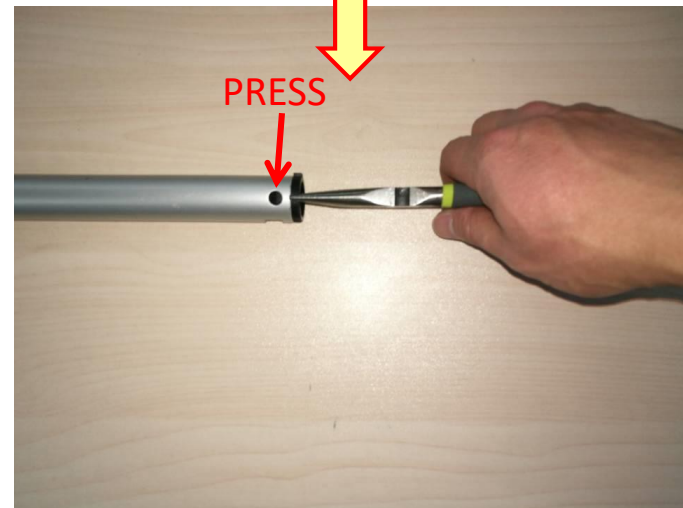
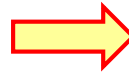
12. Pull the connecting tube with one hand and pull the gear case with the other hand to separate them from each other. If the gear case assembly was broken or worn, replace it with a new one.



Description	Part Number	Qty.
Gear case assembly	2824954002	1

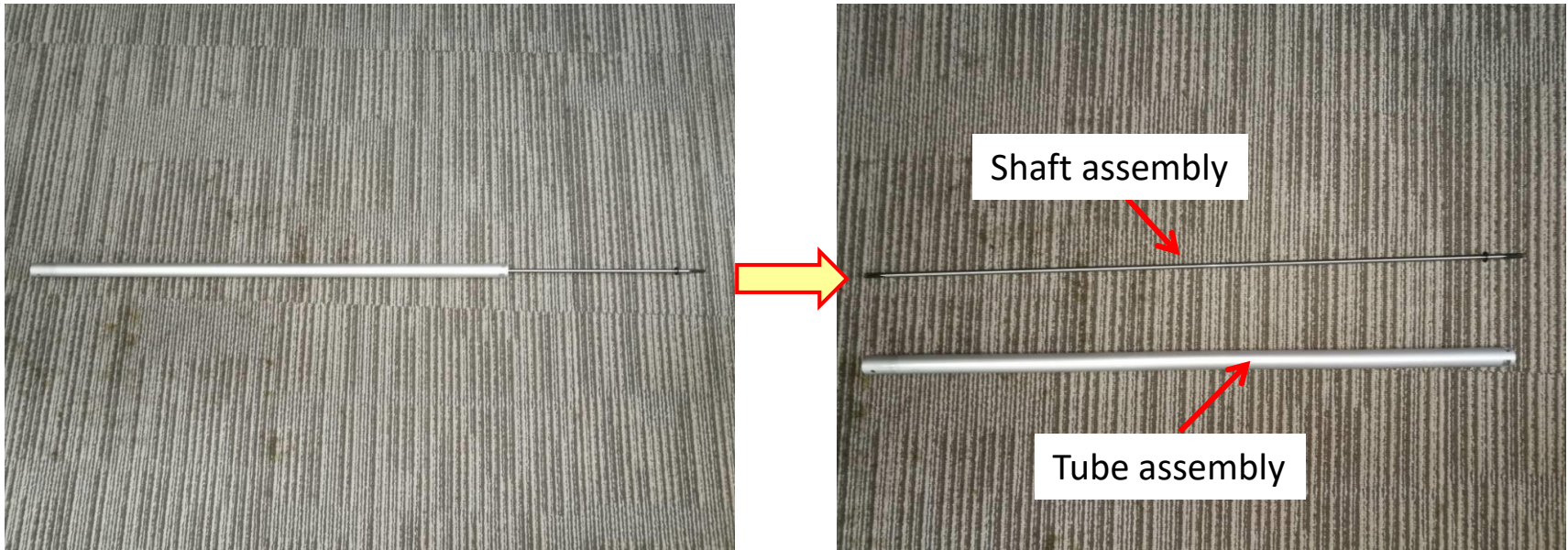
Replace the gear case assembly

13. Remove the sleeve and press the guide blocking through the hole to pull the guide blocking out with nose-needle pliers.



Replace the gear case assembly

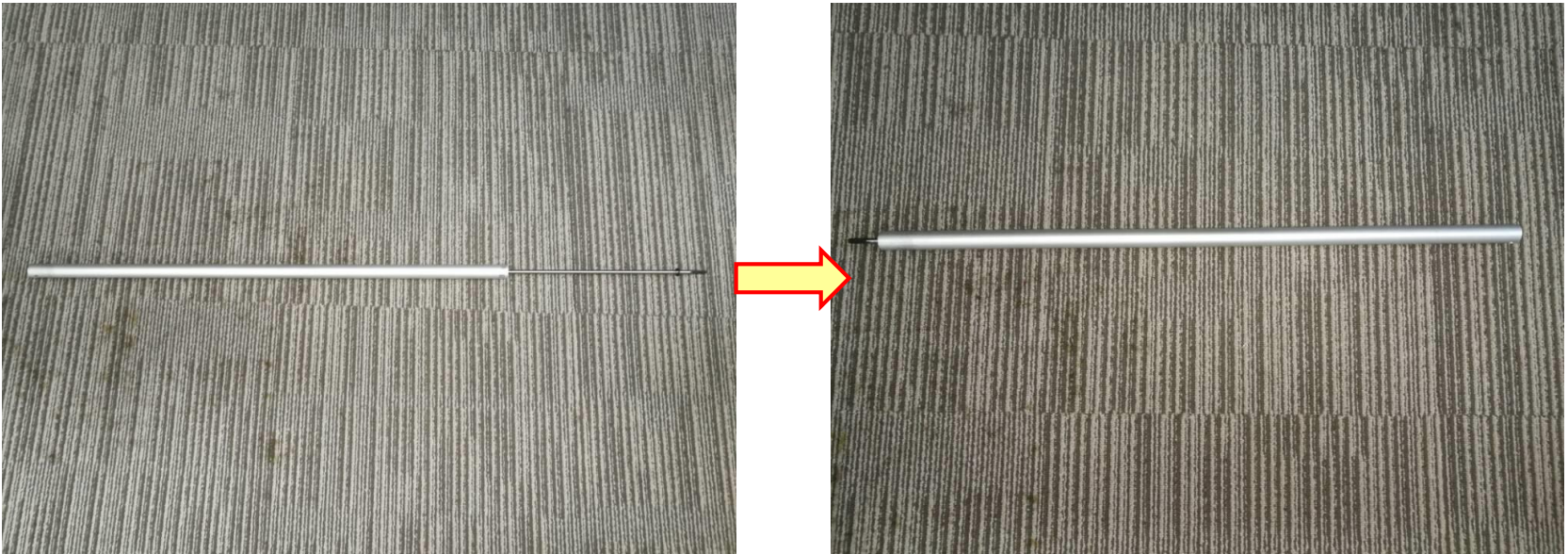
14. Take the shaft assembly out of the tube assembly, if the shaft was broken or worn, replace it with a new one.



Description	Part Number	Qty.
Shaft assembly	2824792002	1
Tube assembly	2824791002	1

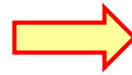
Replace the gear case assembly

15. Insert the shaft assembly into the tube assembly.



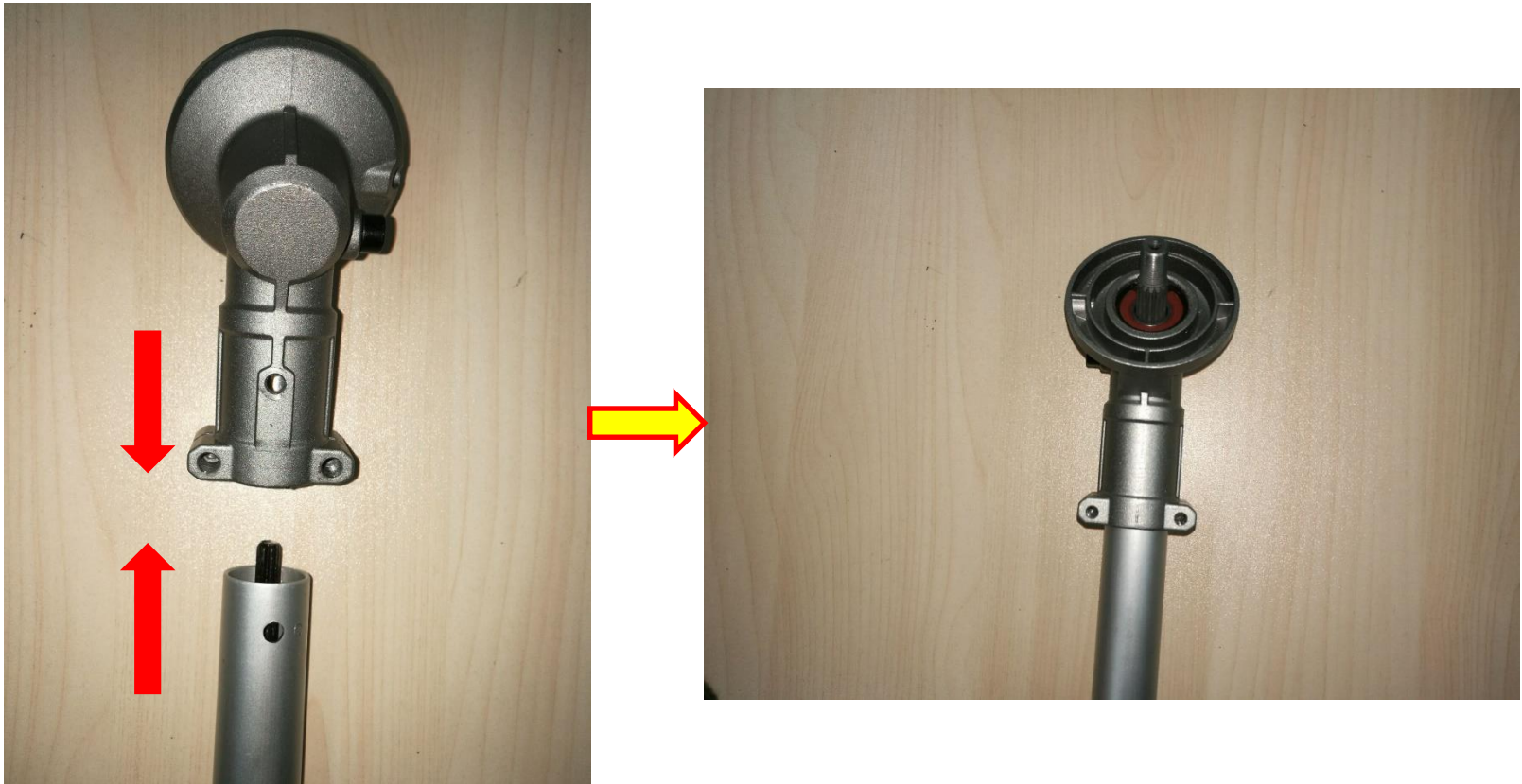
Replace the gear case assembly

16. Insert the plate blocking into the tube assembly and mount the sleeve onto the tube assembly.



Replace the Housing Assembly and Gear Case

17. Hold the connecting tube with one hand and hold the gear case with the other hand to assemble them together.



Replace the Housing Assembly and Gear Case

18. Tighten the gear case with the connecting tube with screw.
19. Tighten the fixing board with the gear case with screws.



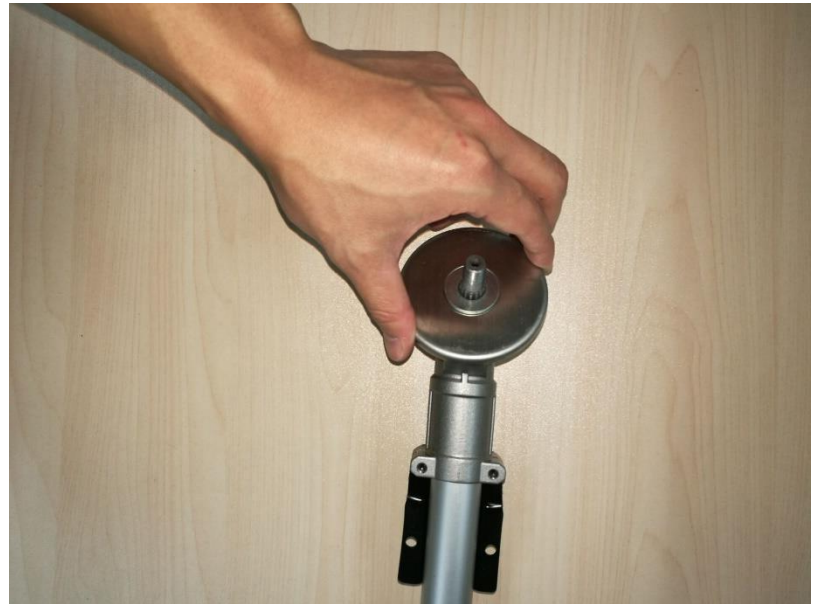
Replace the Housing Assembly and Gear Case

20. Mount the flange onto the shaft.



Replace the Housing Assembly and Gear Case

21. Mount the flange cover onto the shaft.



Replace the Housing Assembly and Gear Case

22. Mount the upper housing assembly onto the shaft.



Replace the Housing Assembly and Gear Case

23. Mount the plain washer onto the shaft.



Replace the Housing Assembly and Gear Case

24. Rotate the upper housing assembly to align the slot in the flange with the hole in the gear case.
25. Insert the hex wrench into the aligned holes to act as a stabilizer.



Replace the Housing Assembly and Gear Case

26. Mount the nut onto the shaft and tighten it with multifunction wrench anticlockwise.



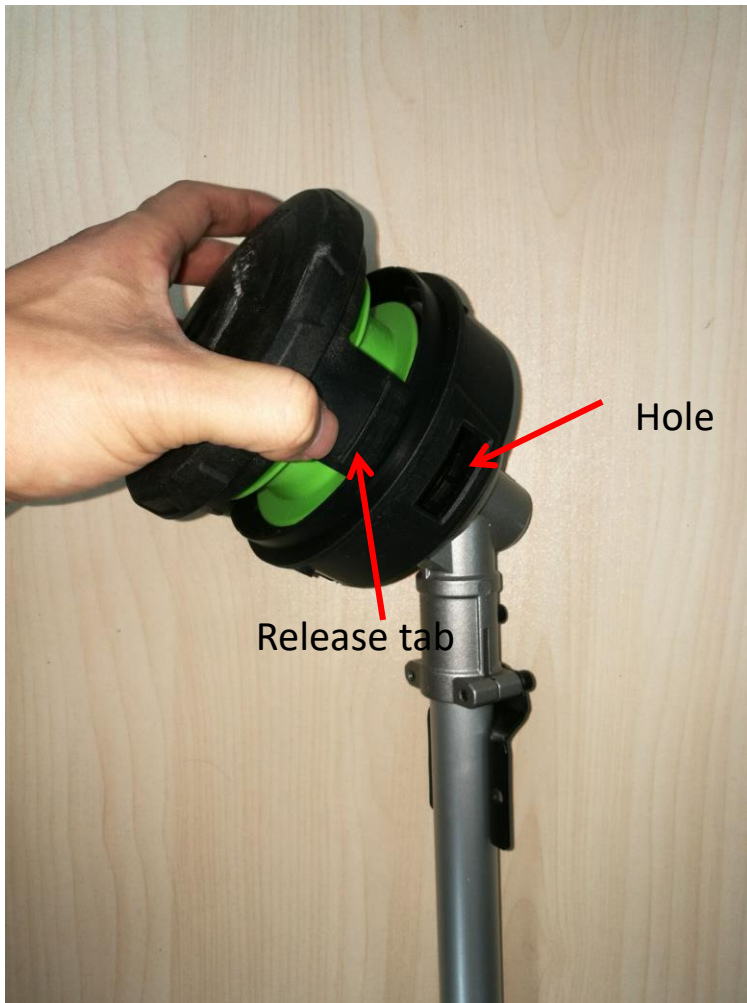
Replace the Housing Assembly and Gear Case

27. Mount the spring onto the upper housing assembly.



Replace the Housing Assembly and Gear Case

28. Align the release tabs on the lower housing assembly with the holes on the upper housing assembly to assemble them together.



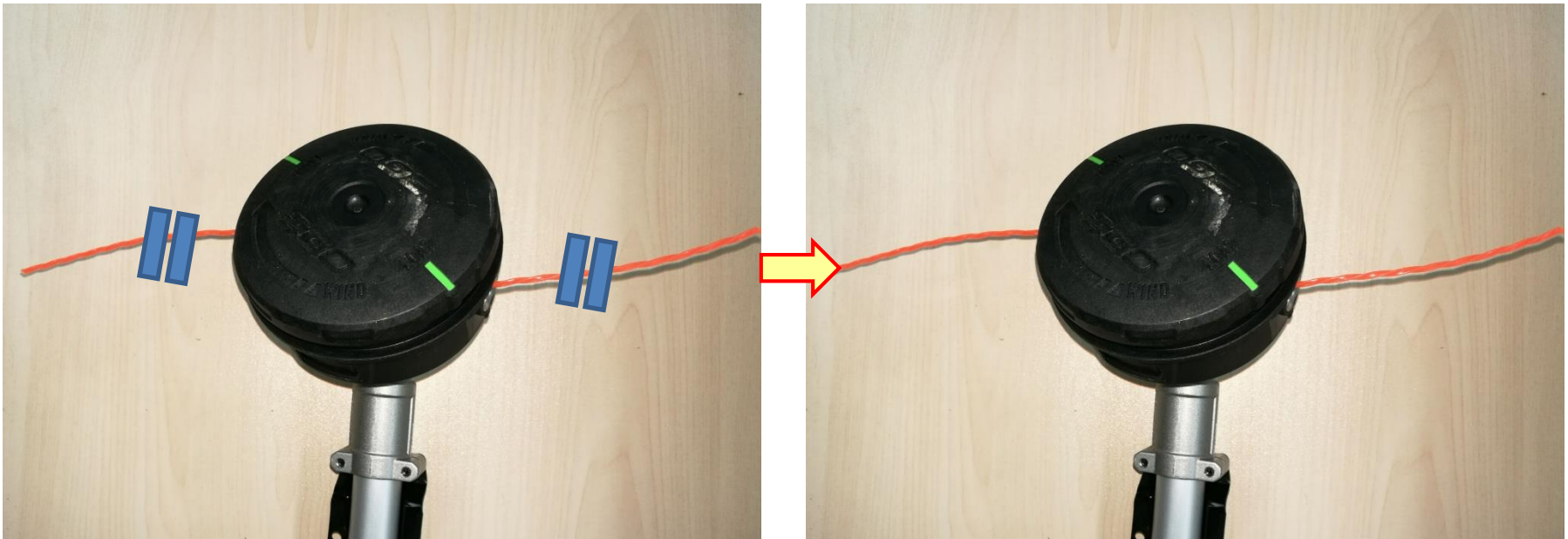
Replace the Housing Assembly and Gear Case

29. Rotate the lower housing assembly clockwise as necessary to align the mark “LOAD” on the lower housing assembly with the eyelets on the upper housing assembly.



Replace the Housing Assembly and Gear Case

30. Cut one piece of trimmer line 16ft (5m) long. Insert the line into the eyelet on the upper housing assembly. Push until the end of the line comes out of the other side of the upper housing assembly. Pull the line from the other side until equal amounts of line appear on both sides of the spool.
31. Rotate the lower housing assembly clockwise to wind the line on the spool until approximately 5.5in. (14cm) of line is showing on each side.



Replace the Housing Assembly and Gear Case

32. Assemble the guard assembly with the fixing board with screws.

