

RIV938P

Troubleshooting



October 3rd, 2024

Common Problems

Tool pulls back but does not unscrew	Follow steps in section 1
Nothing happens when trigger is pressed	Follow steps in section 1
Issues with the head of the tool	Follow steps in section 2

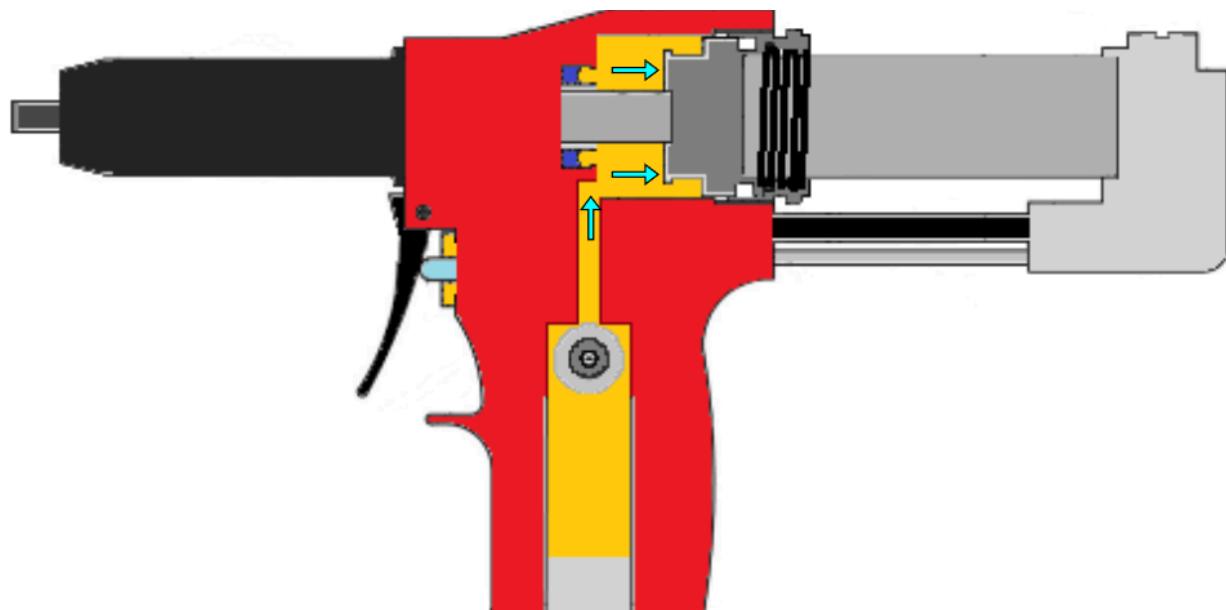
Section 1: Filling the Tool with Oil

Tools Required:

- 5mm allen wrench
- 32 VG Hydraulic Oil

Parts Required:

None



1. While air is connected, place the tool on its side and use a 5mm allen wrench to remove the oil cap.



2. Fill the hydraulic circuit with 32 VG hydraulic oil till it is full.



3. Place your finger over the cap and rock the tool back and forth to get air out of the oil chamber.

4. Screw the oil cap back on.

5. While the tool is still on its side press and hold the trigger several times. This will help get air bubbles that are deep inside the tool out

6. If the tool is working you can test it and return it to its original spot.

If the tool is still not working repeat steps 1 through 5 but with the air hose not attached.

7. If after step 6 the tool is still not working, do not give up. Repeat steps 1 to 5 with the air hose attached over and over again until the tool works.

It has taken 10 times of repeating steps 1 to 5 to fix the tool in the past.

Section 2: Checking the Head

Tools Required:

- Universal Tool (see image below, found in RIV938P case)



- 12mm wrench
- 15mm wrench
- large adjustable wrench (larger than 37mm)
- 2.5mm allen wrench
- 5mm allen wrench

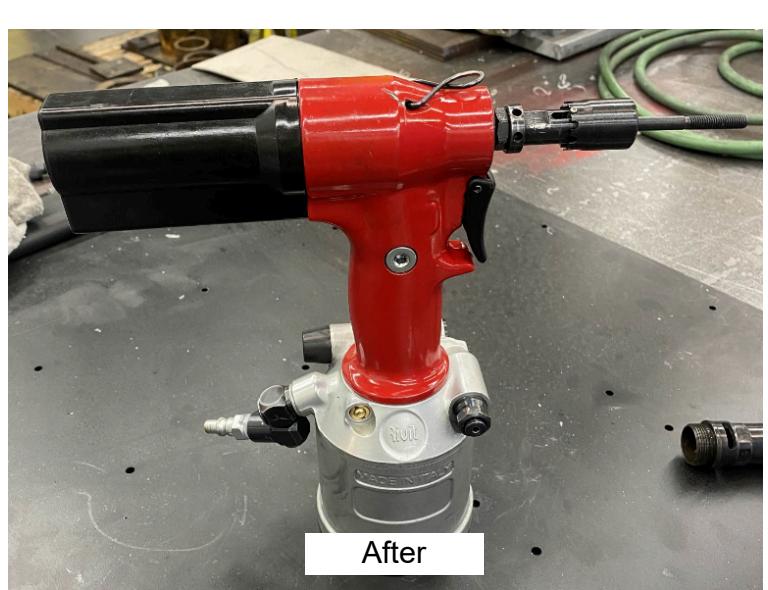
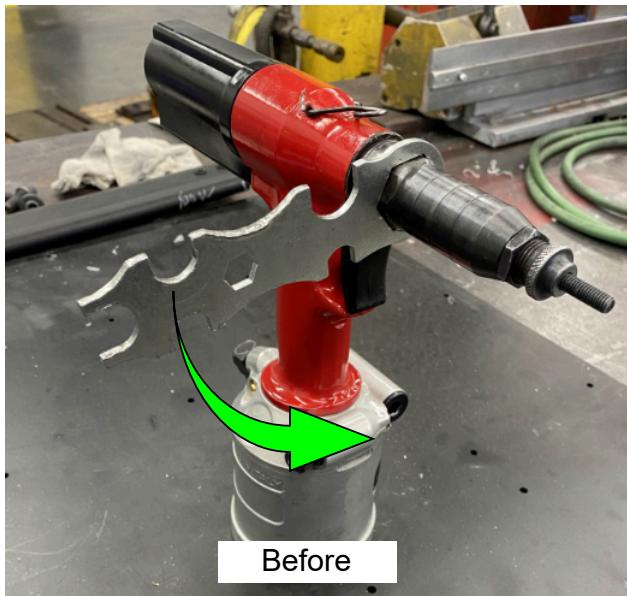
Parts Required:



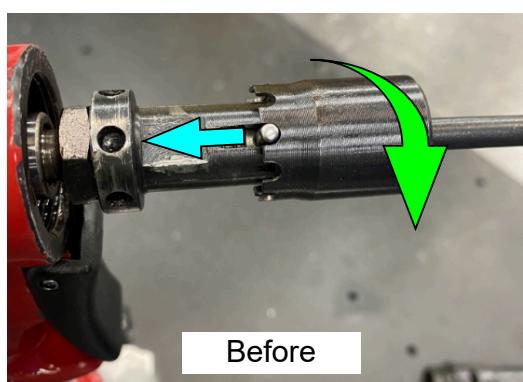
Rotating Pin + Skimmer
(Code: 4151500)

1. Disconnect the air

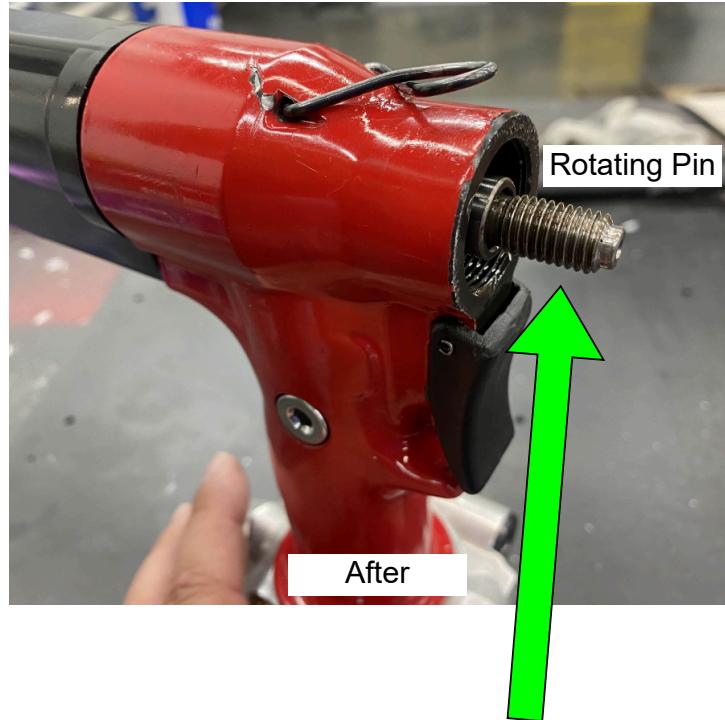
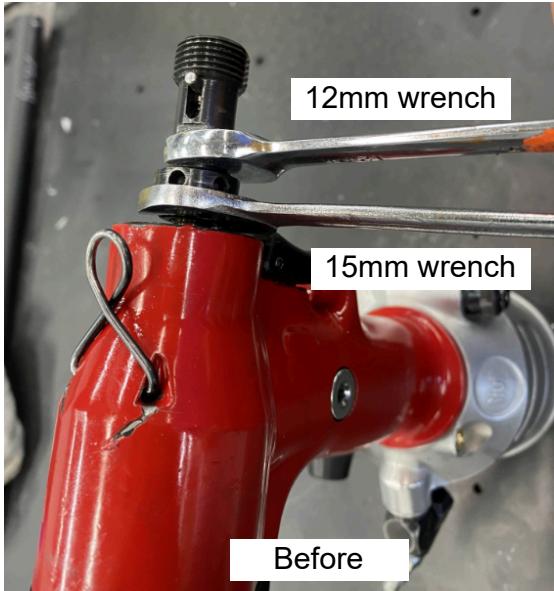
2. Unscrew the mandrel cover using the universal tool



3. Pull back the metal pin and unscrew the toothed blocking ring nut



4. Use a 12mm and 15mm wrench to remove the quick kit and ring nut

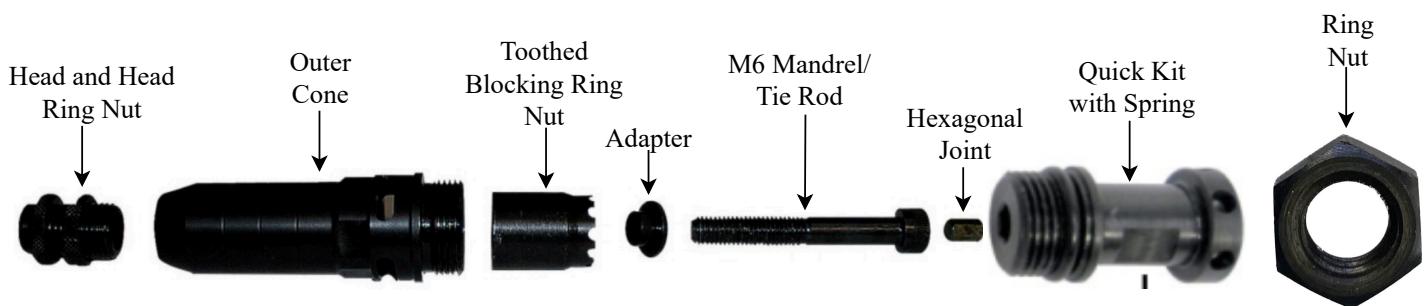


Check to make sure that the rotating pin is not broken. (See images below for Broken)



Broken pin

5. Ensure that all pieces are present and in good condition before moving foward.



6. If the rotating pin is broken continue with step 7. If the rotating pin is NOT broken, skip to step 25 to reassemble the head of the tool.

7. Remove the rubber motor cover



Motor Cover



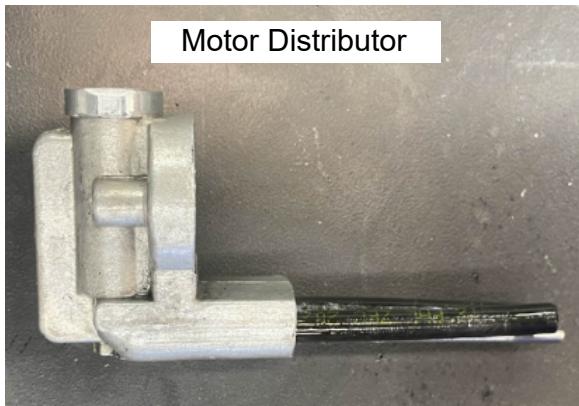
8. Unscrew the motor screws with a 2.5mm allen wrench



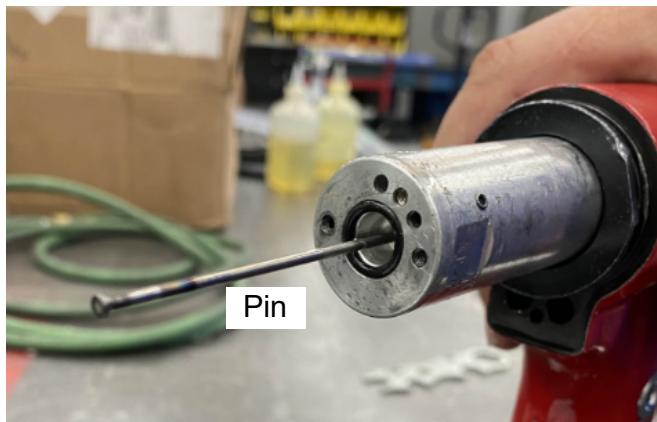
2.5mm Socket Cap screws

*****FOR THE NEXT 2 STEPS READ THE INSTRUCTIONS CAREFULLY BEFORE PERFORMING THE TASK. SEVERAL PARTS WILL EASILY GET LOST OR MISALIGNED CREATING A LARGER ISSUE*****

9. Pull out the motor distributor. Be very careful not to lose the yellow rubber ball which is in between the motor and the motor distributor

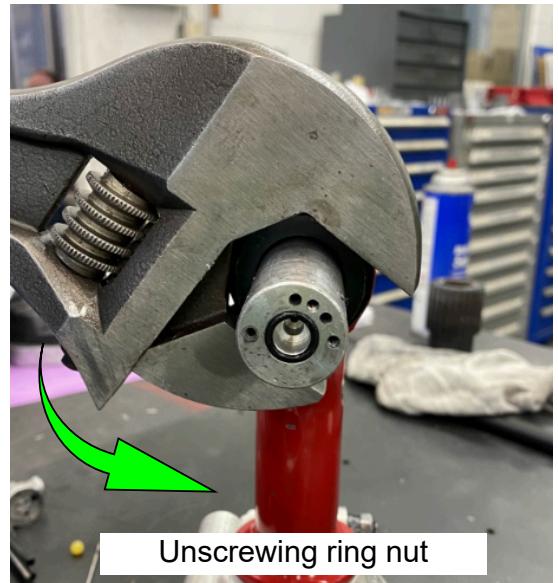


10. Remove the yellow rubber ball as well as the pin that is behind it.



Yellow Rubber Ball

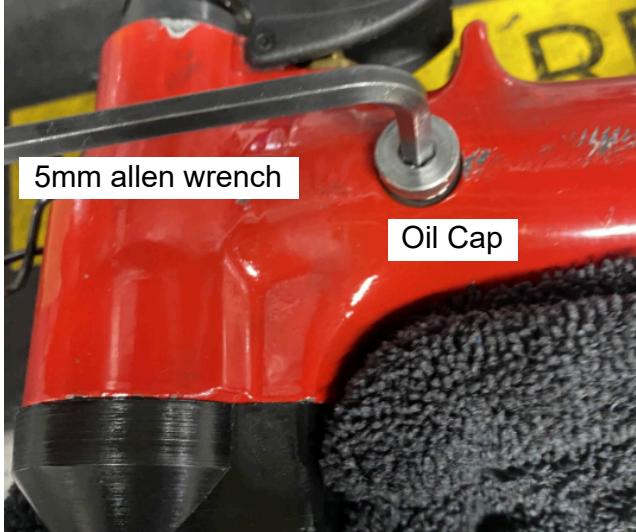
11. Using a large adjustable wrench unscrew the large ring nut.



12. Remove the ring nut and the large spring



13. Unscrew the oil cap using a 5mm allen wrench and let the oil drain out so you can continue taking the tool apart



14. Carefully pull the motor unit from the handle of the tool



15. Hold the motor with the skinny side up as shown in the image below. The motor will come apart if you hold it the other way which will create a lot work. (See motor section if this happens)

Unscrew the piston with the blue U-cup seal from the motor.



16. Remove the broken rotating pin and replace it with a new rotating pin. Place the pin on the hex bit before screwing the piston back on.



Rotating Pin



17. Push the motor unit back into the rivet tool. This requires a lot of force so make sure the oil cap is removed to make this step easier.



18. Rotate the motor **clockwise** until it matches the position seen in the image below.

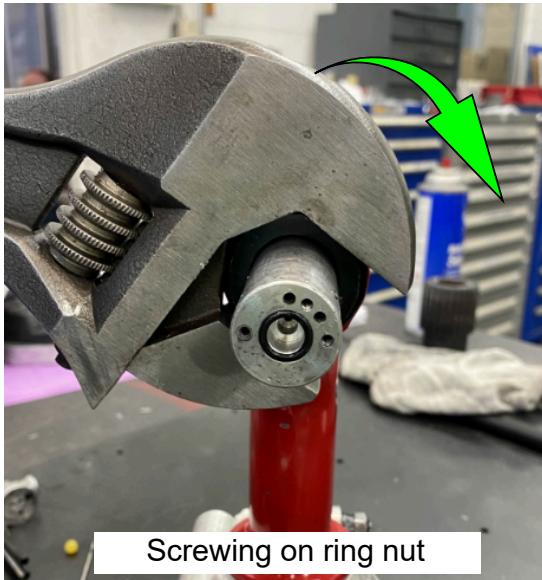
(Rotating counter clockwise will cause the piston to unscrew)



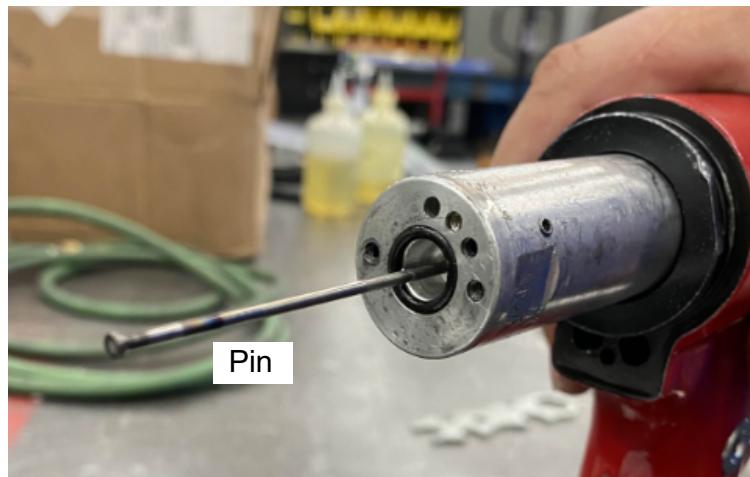
19. Place the spring over the motor



20. Screw in the large ring but using the large adjustable wrench. (Note this step can be difficult. Be careful to not damage the threads of the ring nut)

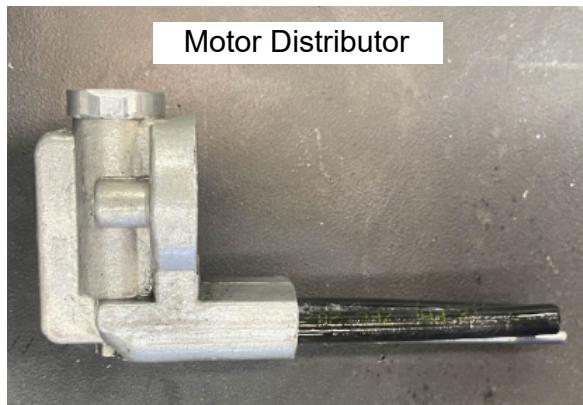


21. Place the pin back in the motor followed by the yellow rubber ball. Be prepared for the yellow ball to call out.



22. Place the motor distributor back onto the motor. Be sure both air hoses fit properly as well as the metal rod in between the air hoses.

Beyond this, also make sure that the screw holes of the motor (shown in the image below) are aligned with the screw holes on the motor distributor.



23. Put the screws back in the motor distributor to connect the motor and motor distributor using a 2.5mm allen wrench.



2.5mm Socket Cap screws



24. Place the rubber motor cover back on.



Motor Cover

25. Screw the ring nut and quick kit onto the rotating pin.



Rotating Pin

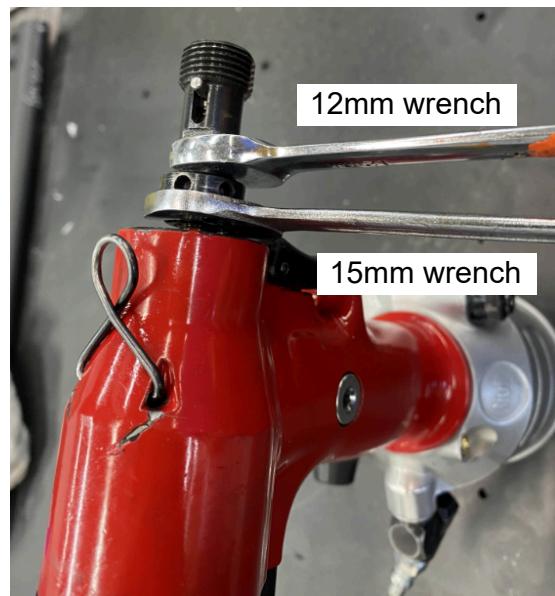


Ring Nut

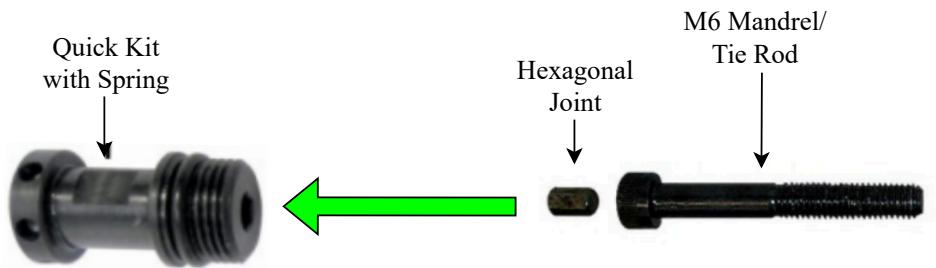


Quick Kit

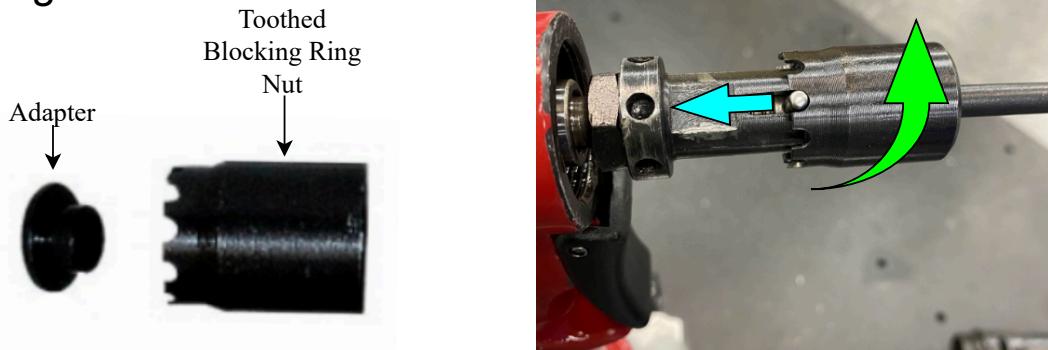
26. Use the 12mm and 15mm wrench to tighten the ring nut and quick kit. Make sure that the ring nut is at the end of the threads, but is not falling off the threads before you tighten.



27. Place the hexagonal joint into the quick kit followed by the mandrel.



28. Pull the pin of the quick kit back and screw the toothed blocking ring nut on to secure the mandrel. Make sure that the adapter is in the toothed blocking ring nut before screwing.



29. Screw the nose of the tool back on using the universal tool.



30. Fill the hydraulic circuit with oil and then put the oil cap back on.

31. Test the tool on 10 rivnuts to ensure it is working properly before returning the tool to where it came from.

