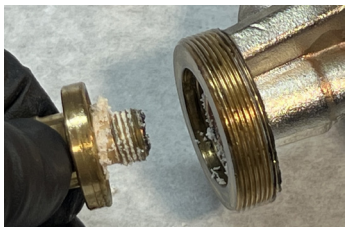
Fusor® 312 Applicator

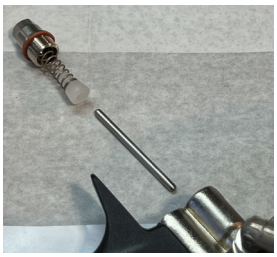
Disassembly and Cleaning Instructions

DISASSEMBLE

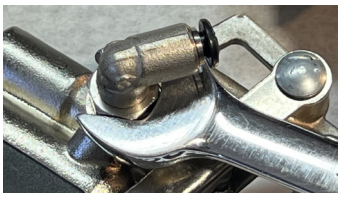
1. Unscrew spray cap, counterclockwise.
2. Unscrew nozzle, counterclockwise, using a 11mm wrench.



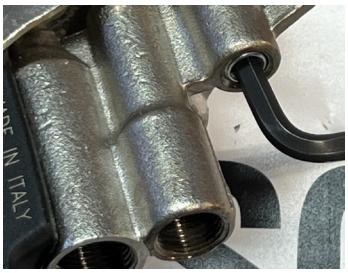
3. Remove needle, spring, and ball bearing using thumb screw located at back.
4. Remove trigger pin kit using a 11mm wrench.
5. Remove the hose (compression fittings).

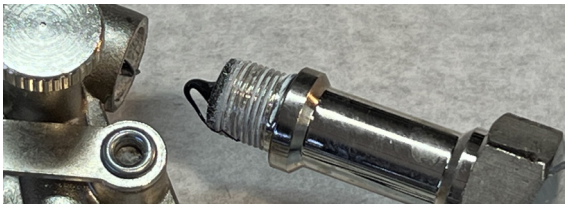


6. Unscrew revolving L-fitting using a 13mm wrench.
7. Unscrew the air knob located on left side.



8. Unscrew airflow plug using a 5mm allen wrench.
9. Unscrew small plug from back using a 4mm allen wrench.
10. Remove top cap and tube fitting kit using a 15/16" wrench. **Remove all O-rings. Do not soak in acetone.**





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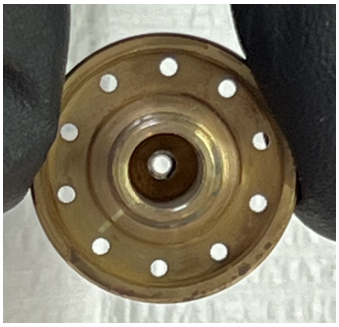
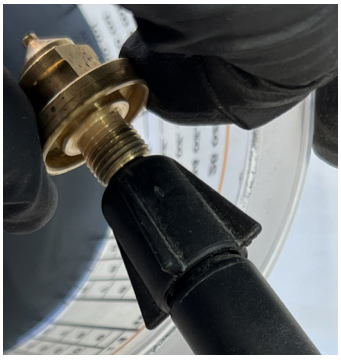
CLEANING

11. Soak overnight in acetone or MEK (Methyl Ethyl Ketone).
12. Use pipe cleaners and acid brushes to thoroughly clean all surfaces and passages.

13. Use paint sprayer cleaning tools to thoroughly clean the nozzle, ensuring all air holes are clean and clear.
14. A drill bit (13/64") can be used at low RPM to clean out the neck of the tube fitting kit.

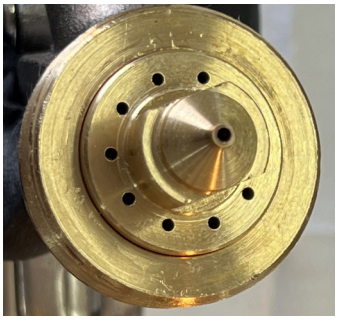


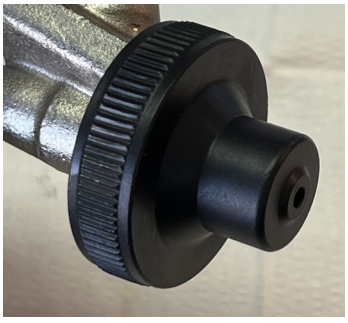
15. A pressurized pump sprayer can be used to spray internal parts.
16. Use compressed air to help remove small pieces and to ensure the black air tube is clear.



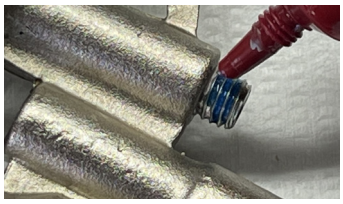
ASSEMBLY

17. Replace nozzle using a 11mm wrench, ensuring a snug fit. Do not over-tighten. Replace air cap.





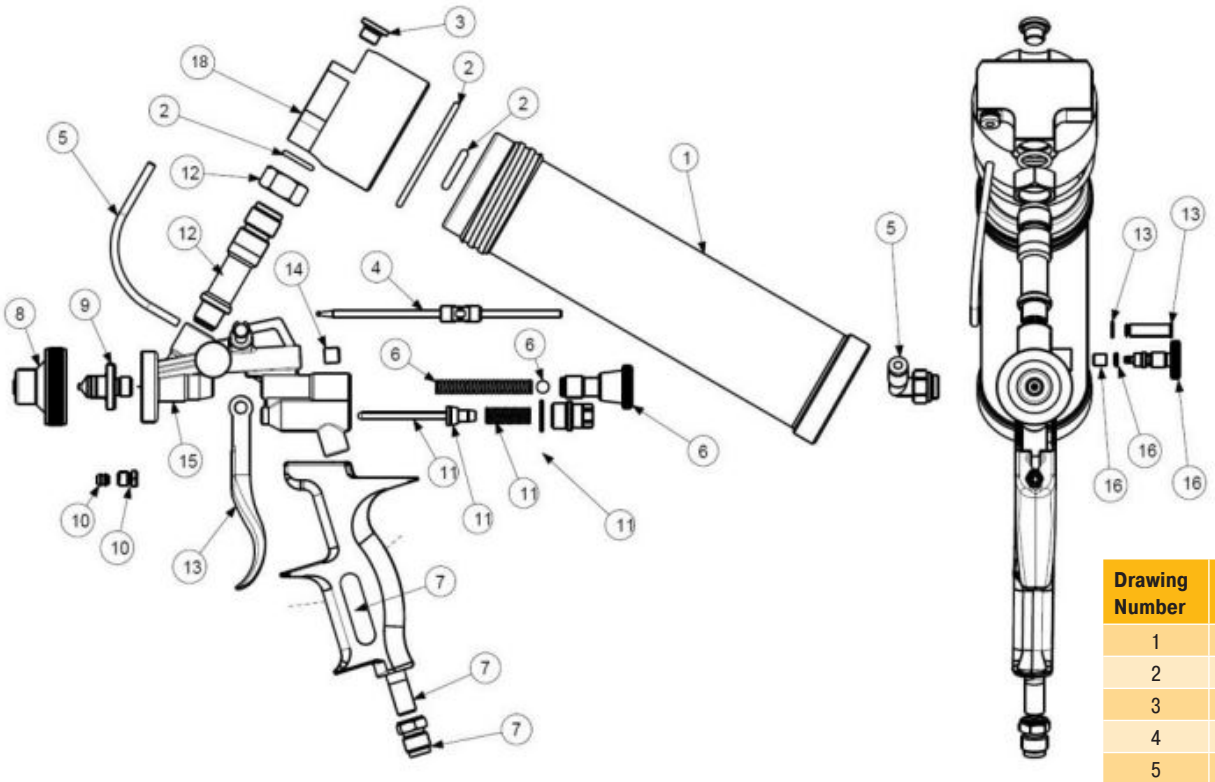
18. Replace the small plug in the back of the applicator using blue threadlocker and a 4mm allen wrench.
19. Replace the revolving L-fitting using blue threadlocker and a 13mm wrench. Replace the hose (compression fitting).



20. Replace needle, spring and ball bearing using thumb screw at back. Use paint spray lubricant on the needle.
21. Replace trigger pin kit using a 11mm wrench. Use paint spray lubricant on the pin.

22. Re-install O-rings in the top cap.
23. Replace top cap and tube fitting kit using blue threadlocker and a 15/16" wrench.
24. Replace airflow plug using a 5mm allen wrench.

FUSOR 312 APPLICATOR EXPLODED VIEW AND PARTS LIST



Drawing Number	Description
1	Tube Kit
2	O-Ring Kit
3	Air Flow Plug
4	Complete Needle
5	Revolving L-Fitting
6	Needle Regulator Kit
7	Handle Kit
8	Spray Cap, 1.6
9	Nozzle, 1.6
10	Needle Packing Kit
11	Trigger Pin Kit
12	Tube Fitting Kit
13	Trigger Kit
14	Small Plug
15	Gun Body
16	Air Regulator Kit
17	Extrusion Kit
18	Top Cap

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