

Replacing/Serviceing the Seal Assembly

If the spray gun leaks or spits at the tip when the trigger is released, the needle or seat is worn, damaged, or dirty and must be replaced or cleaned. For best results, use all the parts supplied with this kit.

WARNING

Never attempt to perform maintenance on the spray gun without first performing the "Pressure Relief Procedure" outlined in the spray gun's Owner's Manual.

1. Disconnect the airless spray hose from the gun.
2. Remove the roller extension or tip extension.
3. With the trigger depressed, remove the diffuser from the front of the gun.
4. Remove the trigger guard.
 - a. Pull the back of the trigger guard down so that it comes loose from the swivel assembly on the handle.
 - b. Twist the front of the trigger guard out of the slot in the gun head.
5. Remove the two trigger screws that secure the trigger to the gun head. Remove the trigger.
6. Remove the handle assembly from the gun head. Pull the filter out of the gun head.
7. Using a 3/8" socket, remove the lock nut from the threaded end of the seal assembly inside the back of the gun head.
8. Using a pliers, pull the seal assembly from the front of the gun head.
9. Soak the removed parts in the appropriate solvent and wipe clean.
10. Inspect the parts for wear or damage and use new parts during reassembly of the gun, when necessary.

NOTE: Lubricate all packings and moving parts with a lithium-based grease before reassembly .

11. Install the new seal assembly into the front of the gun head. Make sure the threaded portion of the seal assembly is aligned with the rectangular hole in the back of the gun head.
12. Thread the new lock nut onto the threaded shaft of the new seal assembly in the back of the gun head. Tighten the nut until approximately 1/16" of the seal assembly shaft sticks out past the nut.
13. Push the filter into the gun head. Make sure the handle seal is in position and thread the handle assembly into the gun head until secure.
14. Reassemble the trigger.
15. Install the seal washer into the front of the gun head.
16. With the trigger depressed, install the new diffuser into the front of the gun head. Torque to 45–50 ft./lbs.

17. Test the operation of the trigger. There should be a small amount of play in the trigger after the trigger is released. This will ensure that the seal assembly is fully seated in the diffuser and the gun is shut off when the trigger is released. Adjust the position of the lock nut on the seal assembly if trigger adjustment is necessary.
18. Reassemble the trigger guard.
19. Start the sprayer and pressurize the gun (refer to the instructions in the sprayer's Owner's Manual). Check the gun for leaks.
20. Move the trigger lock to the locked position. Pull the trigger and check for leaks.

