

Instruction Sheet

Kit P/N 550-276

NOTE: The spray tip determines the size of spray pattern and coverage. When more coverage is needed, use a larger tip instead of increasing fluid pressure.

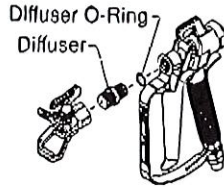
Replacing the Diffuser

Use the following procedure to replace the diffuser on an S-3 or S-7 spray gun.



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

1. Perform the "Pressure Relief Procedure" and disconnect the fluid hose from the gun.
2. Remove the tip guard and tip assembly from the spray gun.
3. Using a wrench, remove the diffuser from the front of the gun head.
4. Remove the diffuser o-ring from inside the front of the gun head.
5. Grease the new diffuser o-ring with a lithium-based grease and place it inside the front of the gun head.
6. Grease the new diffuser and thread it into the front of the gun head. Make sure the diffuser passes through the hole at the top of the trigger guard before it is threaded into the gun head. Torque the diffuser to 35-40 ft./lbs. (55-60 Nm).
7. Replace the tip guard and tip assembly.



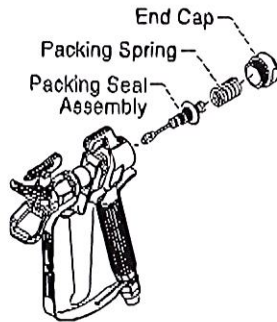
Replacing the Packing Seal Assembly

Use the following procedure to replace the packing seal assembly on an S-3 or S-7 spray gun.



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

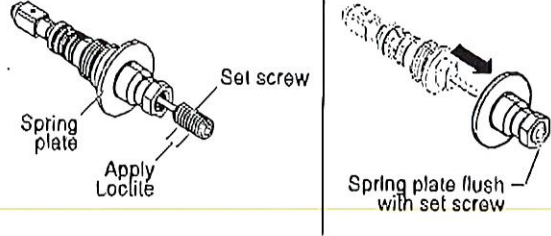
1. Perform the "Pressure Relief Procedure" and disconnect the fluid hose from the gun.
2. Remove the end cap and the packing spring from the rear of the gun head.
3. Using a 3/8" socket, remove the packing seal assembly from the rear of the gun head.
4. Soak the removed parts in the appropriate solvent and wipe clean.
5. 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 before reassembly with a lithium-based grease.

6. Make sure the two retractor pins inside the gun head are still in the correct position.

7. Apply Loctite to three (3) full threads in the middle of the set screw.
8. Thread spring plate onto set screw until it is flush with the rear of the set screw.



9. Insert the packing seal assembly into the rear of the gun head and thread it by hand until it stops.
10. Using a 3/8" socket, tighten the packing seal assembly. Torque to 5 Nm (3.7 ft./lbs.).
11. Grease both ends of the packing spring and place it over the packing seal assembly in the gun head.
12. Place the end cap over the packing spring so that the pilot inside the end cap seats inside the packing spring.
13. Push the end cap toward the gun head while threading it into the gun head. Using a wrench, tighten the end cap securely.
14. Perform the "Adjusting the Packing Seal Assembly" procedure described below. This must be done immediately after applying Loctite to the set screw.

Adjusting the Packing Seal Assembly



Proper adjustment of the packing seal assembly is essential to ensure positive shut-off when the trigger is released.

1. Insert an 1/8" hex wrench through the hole in the center of the end cap until it seats inside the packing seal adjustment screw.
2. Turn the packing seal adjustment screw counterclockwise (about 2-3 revolutions) until there is approximately 1/4" of "trigger play" between the tab on the gun trigger (1) and the trigger guard (2).
3. Pressurize the gun and check for leakage at the diffuser (3). If leakage occurs, relieve the pressure in the system, rotate the seal adjusting screw until the proper amount of "trigger play" (1/4") is achieved and there is no leakage at the diffuser.

