

FUSION AP – TROUBLESHOOTING

1. Follow **Pressure Relief Procedure**, page 15, before checking or repairing gun.
2. Check all possible problems and causes before disassembling gun.

CAUTION
To prevent cross-contamination of the gun's wetted parts, do not interchange A component (isocyanate) and B component (resin) parts.

PROBLEM	CAUSE	SOLUTION
Gun does not fully actuate when triggered.	Safety lock engaged.	Disengage safety lock, page 10.
	Plugged muffler (22).	Clean, page 20.
	Damaged air valve o-rings (24).	Replace, page 33.
Fluid does not spray when gun is fully actuated.	Closed fluid valves (12b).	Open.
	Plugged impingement ports.	Clean, page 21.
	Plugged check valves (26).	Clean, page 31.
Gun actuates slowly.	Plugged muffler (22).	Clean, page 20.
	Damaged piston o-rings (16, 17).	Replace, page 32.
	Dirty air valve, or damaged o-rings (24).	Clean air valve or replace o-rings, page 33.
Gun delays, then actuates abruptly.	Cured material around side seals (18).	Inspect side seals (18c) and mix chamber (19) for scratches. Replace, page 29.
	Retaining ring (9) not bottomed out.	Tighten retaining ring until bottomed out.
Loss of round pattern.	Dirty mix chamber nozzle.	Clean, page 21.
Loss of flat pattern.	Plugged spray tip.	Clean in compatible solvent, page 18.
	Worn tip.	Replace, page 18.
	Dirty mix chamber nozzle.	Clean, page 21.
Leakage between flat tip and mix chamber.	Tip not seated properly.	Reassemble, page 18.
	Damaged/missing o-ring (40).	Replace, page 18.
Pressure imbalance.	Plugged impingement ports.	Clean, page 21.
	Plugged check valves (26).	Clean, page 31.
	Viscosities not equal.	Adjust temperature to compensate.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
A and/or B fluid in gun air section.	Damaged side seals (18c).	Replace, page 29.
	Damaged mix chamber (19).	Replace, page 29.
	Damaged side seal o-rings (18d, 18e).	Replace, page 29.
	Tightened air cap with fluid valves (12b) open.	Close valves first.
Fluid mist from mix chamber or air cap.	Damaged side seals (18c).	Replace, page 29.
	Damaged side seal o-rings (18d, 18e).	Replace, page 29.
	Damaged mix chamber (19).	Replace, page 29.
Excessive overspray.	Too much cleanoff air.	Reduce, page 13.
Rapid buildup of material on air cap.	Plugged air cap holes.	Clean, page 20.
	Too little cleanoff air.	Increase, page 13.
	Damaged/missing fluid housing o-ring (23).	Replace, page 29.
	Damaged front o-ring (3).	Replace, page 29.
Reduced cleanoff air.	Damaged front o-ring (3).	Replace, page 29.
Excessive cleanoff air when fluid valves are closed and gun is triggered.	Damaged/missing fluid housing o-ring (23).	Replace, page 29.
Fluid does not shut off when fluid valves are closed.	Damaged fluid valves (12b).	Replace.
Burst of air from muffler when gun is triggered.	Normal.	No action required.
Steady air leakage from muffler.	Damaged air valve o-rings (24).	Replace, page 33.
	Damaged piston o-rings (16, 17).	Replace, page 32.
Air leakage from front air valve.	Damaged air valve o-rings (24).	Replace, page 33.
Air leak around lock ring.	Damaged o-ring (21).	Replace, page 29.
Cannot tighten retaining ring (9) until it bottoms out.	Air cap (10) assembled before retaining ring (9).	Install retaining ring (9) first, then air cap (10), page 30.