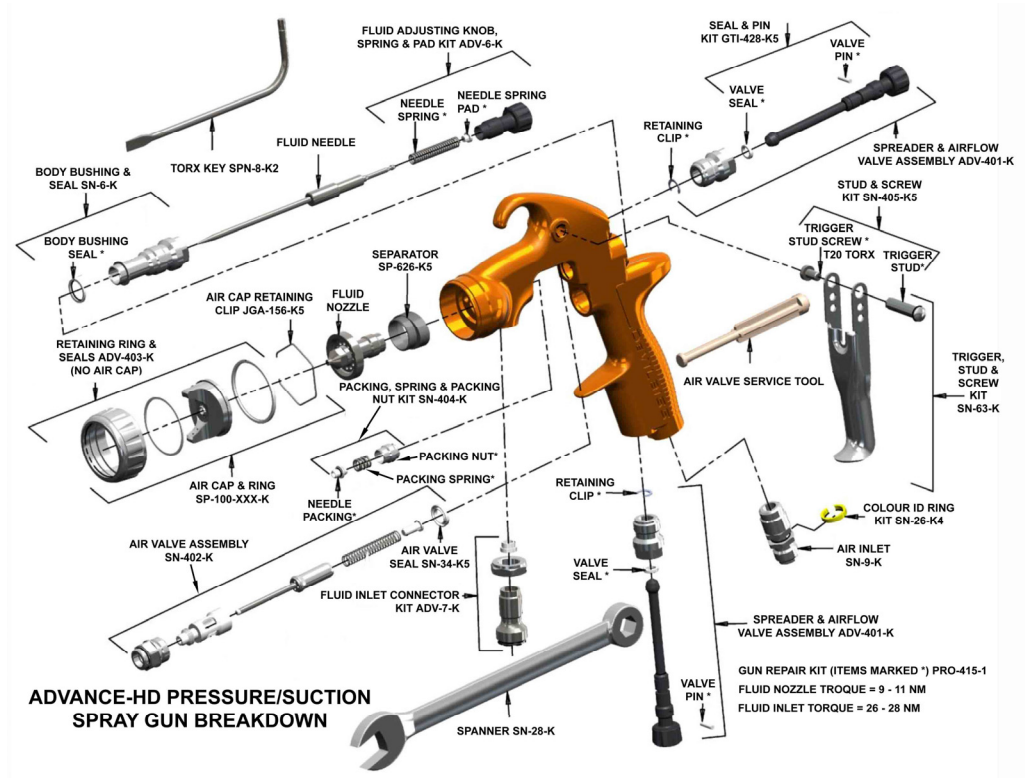
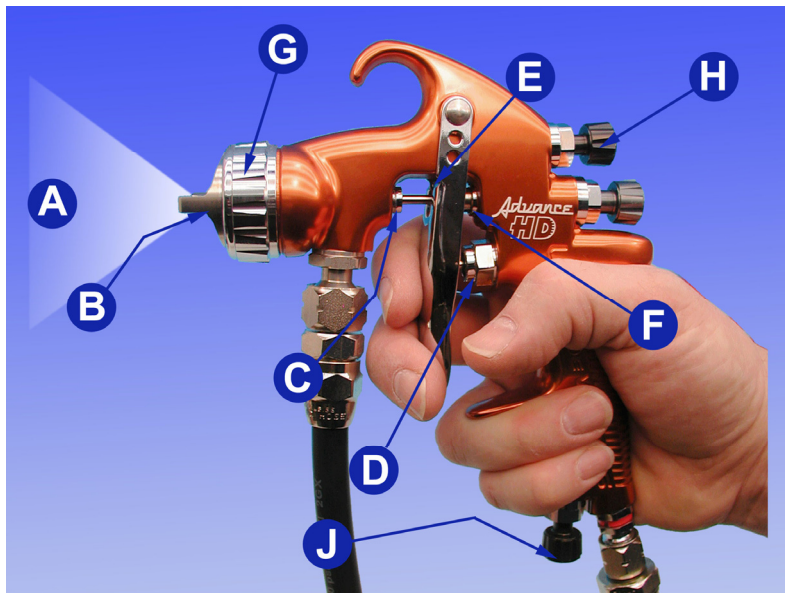
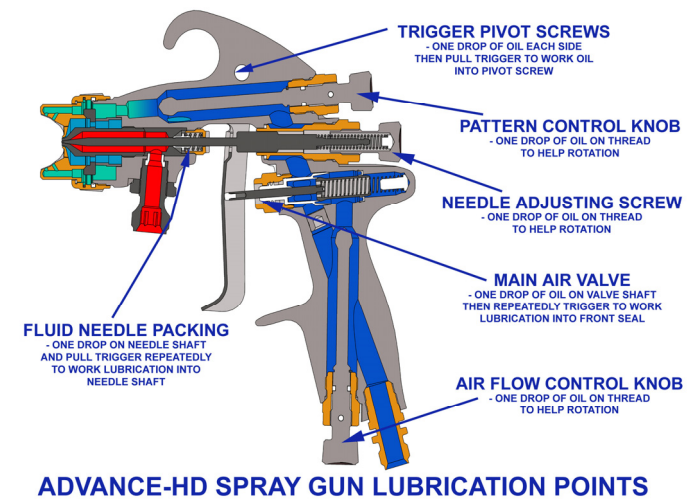
SUCTION/PRESSURE SPRAY GUN MAINTENANCE & FAULT FINDING



ADVANCE-HD PRESSURE/SUCTION SPRAY GUN BREAKDOWN





ADVANCE-HD SPRAY GUN LUBRICATION POINTS

	Condition	Cause	Correction
A	Will not spray	No air pressure at gun Pressure feed air cap used with Suction feed Fluid too heavy for suction feed	Check air supply and air lines Change to correct suction feed air cap Thin material or change to pressure feed
A	Gun 'spits' paint when triggering on and off	Incorrect needle fitted to gun Excessive needle wear Excessive fluid nozzle wear	Check nozzle/needle selection chart and fit correct item Replace with new needle Replace with new fluid nozzle
A	Small air leak from air cap when gun is not triggered	Main Air Valve contaminated and not correctly seating Main Air Valve Seal damaged or missing	Remove valve and thoroughly clean valve shaft and seating surfaces Replace
A	Gun 'spits' paint when triggering on due to paint build-up inside air cap between spraying operations	Fluid nozzle not fitted correctly in gun head Fluid nozzle/needle leakage	Tighten Check for damage or blockage
A	Spray Fan inconsistent & erratic	Air in fluid stream	Check fluid tip is tight, condition of needle packing and tightness of all threaded joints in fluid supply system.
B	Slow fluid leak from fluid nozzle and needle seat	Fluid nozzle internal seat scored, damaged or worn Fluid needle external profile damaged or worn Contamination on needle or nozzle mating surfaces preventing good seal Incorrect fluid nozzle for fluid needle fitted to gun Sluggish needle	Replace Replace Thoroughly clean Check nozzle/needle selection chart and fit correct item Lubricate or clean/replace packing or clean needle.
B	Major fluid leak or fluid jetting from fluid nozzle and needle seat	Contamination on needle or nozzle mating surfaces preventing good seal Incorrect fluid nozzle for fluid needle fitted to gun Fluid needle stuck or 'binding up'	Remove nozzle and needle and thoroughly clean Check nozzle/needle selection chart and fit correct item Remove and clean fluid needle shaft, or lubricate needle packing or replace needle packing
B	Paint build-up on fluid nozzle	Fluid nozzle not fitted correctly in gun head Fluid nozzle/needle leakage	Tighten Check for damage or blockage
B	Paint build-up on Air Cap	Damaged air cap holes Gradual build-up of bounce-back on gun head	Replace with new Air cap Thoroughly clean
C	Slow fluid leak from needle packing	Fluid needle packing worn or loose	Replace
D	Air valve sluggish or slow to turn on/off when trigger is pulled/released	Air valve stem bent Contamination on air valve stem	Replace damaged component Remove and clean
D	Air leak from around air valve stem	Air valve internal seal damaged	Replace air valve assembly

	Condition	Cause	Correction
D	Air valve will not operate (air valve stem will not fully slide into valve body) when trigger is pulled	Air valve stem bent Contamination on air valve stem	Remove air valve and replace damaged air valve stem Remove air valve and thoroughly clean
E	Stiff trigger action	Air valve stem bent Contamination on air valve stem Contamination on trigger bearing screw/stud Contamination on fluid needle shaft Fluid needle packing contaminated	Replace damaged component Remove and clean Remove and clean Remove and clean Clean or Replace
F	Air leak from fluid needle exit point in top of handle	Seal damaged or missing	Replace
G	Air Cap rotates freely after tightening	Retaining ring not tightened correctly Retaining ring internal seal damaged	Tighten fully Replace
G	Air cap retaining ring will not rotate	Contamination on retaining threads Deformed or damaged retaining ring	Soak gun head in solvent to soften paint Use appropriate tool to remove & replace
G	Air leak from rear of air cap retaining ring	Retaining ring internal seal damaged or ring not tightened correctly	Replace or tighten
H	Unable to turn spreader valve on top rear of gun	Internal seal damaged or broken Paint contamination on threads	Replace seal Remove and thoroughly clean
H	Unable to get round spray	Fluid nozzle incorrectly fitted Air separator seal missing or damaged	Remove, check components for damage and refit correctly Replace
H	Spreader valve excessively loose and rotates easily	Internal seal worn	Replace seal
J	Unable to turn air control valve on handle of gun	Internal seal damaged or broken Paint contamination on threads	Replace seal Remove and thoroughly clean
J	Air control valve on handle of gun excessively loose and rotates easily	Internal seal worn	Replace seal