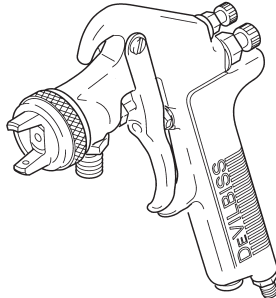




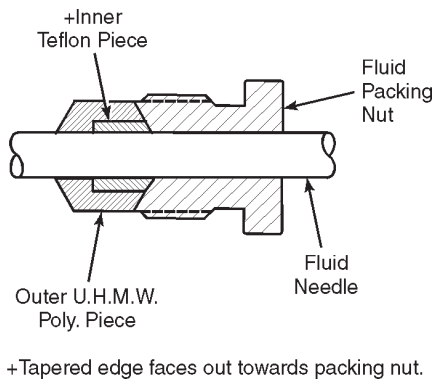
# KK-4987-2 GUN REPAIR KIT

(FOR JGA, JGV, JGHV, JGP, JGPV, LMG, MSA, MSV, & PGA GUNS)

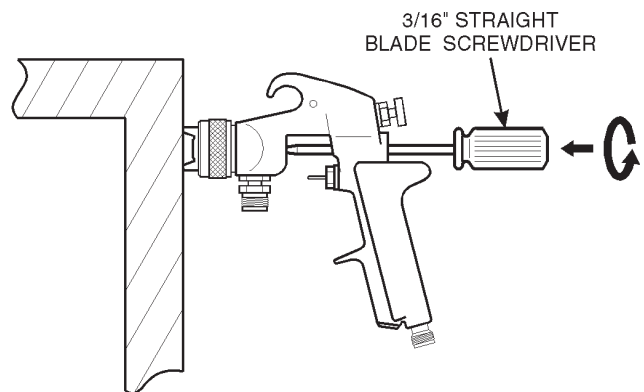
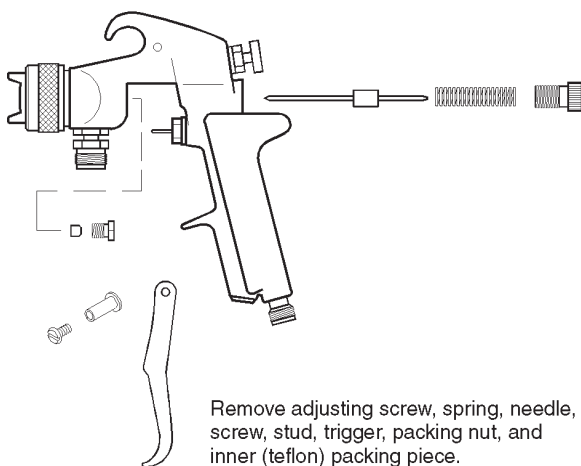


## PACKING REPLACEMENT INSTRUCTIONS

**NOTE 1:**  
**JGV-463 Packing Replacement Instructions**  
**2 piece packing covered by U.S. Patent No. 5,209,501.**  
**Other patents pending.**



1. Remove adjusting knob, needle spring, spring pad, and needle from gun.
2. Loosen packing nut and remove.
3. Remove old packing. See disassembly illustration below.
4. Assemble packing nut to needle.
5. Assemble packing in order shown to needle.
6. Insert needle all the way into gun body seating in tip.
7. Install needle spring, spring pad, and adjusting knob.
8. Thread packing nut into gun body.
9. Tighten packing nut in equal increments - no more than 1/6 turn at a time.
10. After each adjustment, pull needle open and observe needle closure.
11. If needle snaps shut, continue adjusting nut until there is evidence of needle bind or slow closing.
12. Back off packing nut 1/12 turn to the point where needle snaps shut. Packing nut must remain tight enough to prevent loosening by hand.
13. Pull needle several times to verify needle snaps shut and check packing nut for looseness.



Place air cap horns against a solid object. Insert 3/16" screwdriver through rear gun opening and into outer (U.H.M.W. Poly.) packing piece. **PRESS FIRMLY**, then rotate screwdriver counterclockwise. Packing will back out of slot. If it does not come out, push in the screwdriver again, this time with more force.

**NOTE 2: GTI-33 Baffle Seal Replacement**

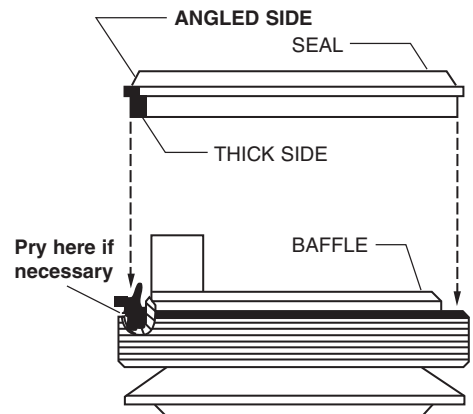
1. Remove fluid tip.
2. Remove baffle.
3. Remove seal (7) from baffle.
4. Assemble seal to baffle with **angled side up** as shown at right.
5. Install baffle on gun.
6. Install fluid tip and tighten to 20-25 ft-lbs.

**NOTE**

The seal should be a tight fit on the baffle. If it is a loose fit on the baffle, assure that it is assembled with the angled side up.

**NOTE**

The seal is designed to be a tight fit on the baffle. The seal should be able to be removed using your fingers. If you are unable to remove the seal using your fingers, insert a small screwdriver between the outer lip and the back of the baffle and pry the seal off.



**PREVENTIVE MAINTENANCE**

**FOR HVLP GUNS ONLY:**

**NOTE**

If the baffle is removed, baffle gasket (7) and O-ring (8) should be replaced. To prevent damage to the O-ring during installation, apply gun lube to exterior of O-ring and ID of baffle.

To clean air cap and fluid tip, brush exterior with a stiff bristle brush. If necessary to clean cap holes, use a broom straw or toothpick. **Never use a wire or hard instrument.** This may scratch or burr holes causing a distorted spray pattern.

To clean fluid passages, remove excess material at source, then flush with a suitable solvent using a device such as the Solvent Saver™. Wipe gun exterior with a solvent dampened cloth. Never completely immerse in solvent as this is detrimental to the performance and gun life expectancy, as well as destroying the lubricants and packings.

**FOR GUNS WITH S.S. FLUID INSERTS ONLY:**

**CAUTION**

To prevent serious gun damage, do not remove the fluid tip if the fluid inlet adapter has been removed. The stainless steel fluid insert can break free (which is non-repairable). Remove the fluid tip **before** removing the fluid inlet adapter. Use a new gasket before reinstalling the fluid inlet adapter.

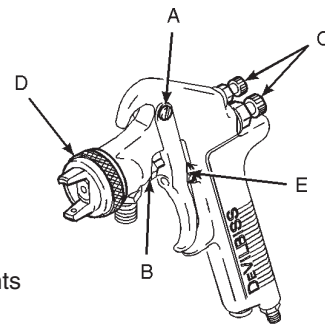
**CAUTION**

To prevent damage to the fluid tip or fluid needle, be sure to either 1) pull the trigger and hold while tightening the fluid tip, or 2) remove fluid needle adjusting screw to relieve spring pressure.

**SPRAY GUN LUBRICATION**

Daily, apply a drop of gun lube at trigger stud screw (15) and the stem of the air valve (12) where it enters the air valve assembly. The shank of the fluid needle where it enters the packing nut should also be lubricated. **Make sure baffle and retaining ring threads are clean and free of foreign matter. Before assembling air cap to baffle, clean the retaining ring and baffle threads thoroughly, then add two drops of spray gun lube to threads.**

The fluid needle spring (4), and air valve spring (13), should be coated with a very light grease, ensuring that any excess grease will not clog the air passages. For best results, lubricate the points indicated daily using SSL-10 spray gun lube.



- A. Trigger points
- B. Packing
- C. Adjusting valve
- D. Baffle and retaining ring threads
- E. Air valve cartridge

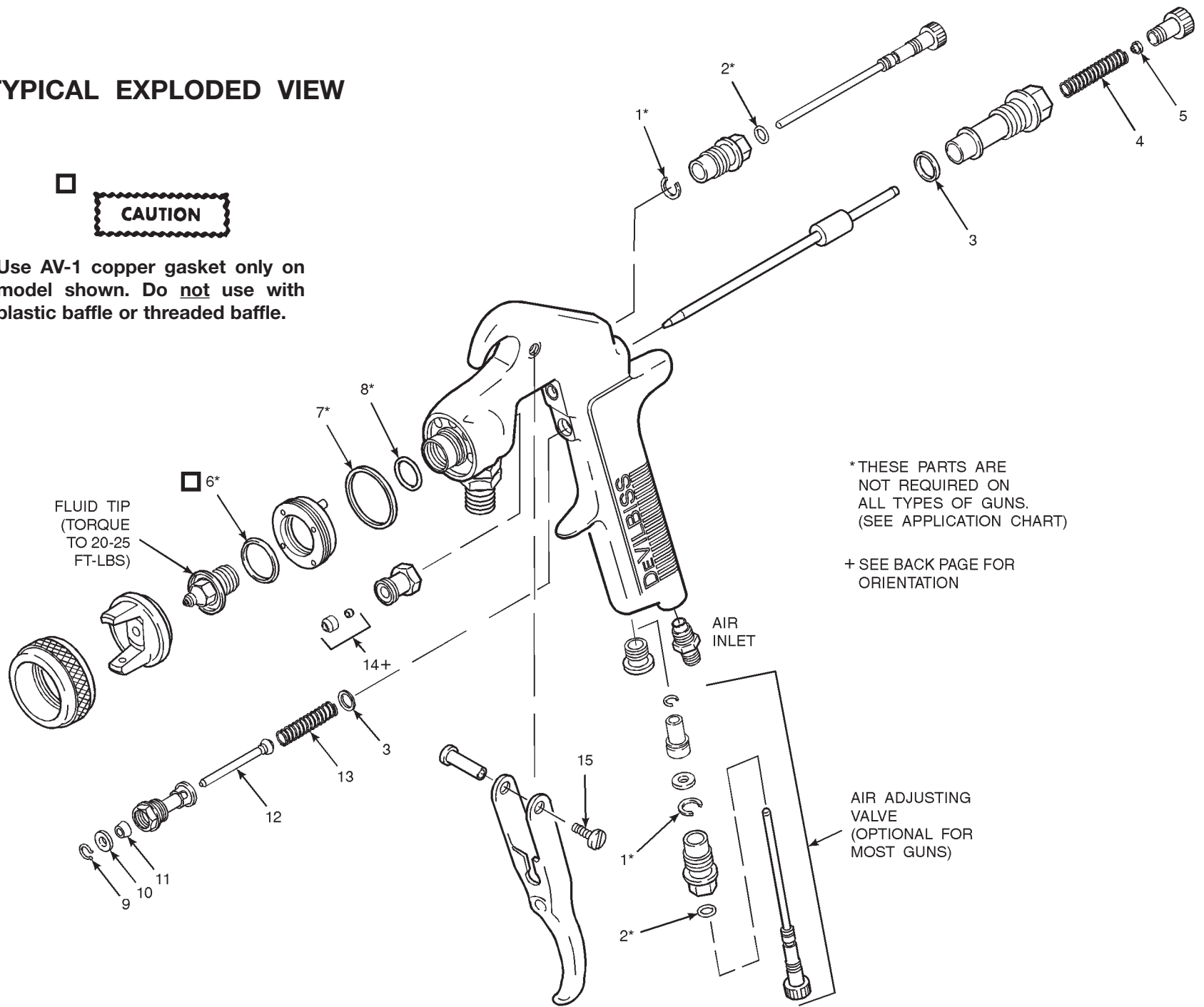
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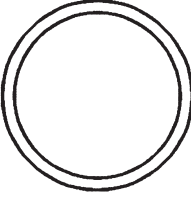
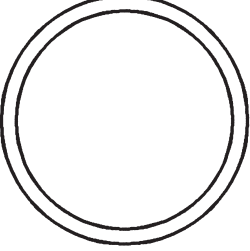
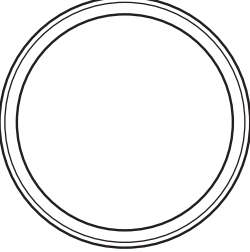
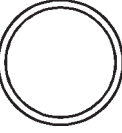







**PROP 65 WARNING**  
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TYPICAL EXPLODED VIEW**

**CAUTION**

Use AV-1 copper gasket only on model shown. Do **not** use with plastic baffle or threaded baffle.



REF NO.	PART DESCRIPTION (PARTS SHOWN ACTUAL SIZE)	(REPLACE- MENT PART NO.	GUN MODELS (SEE STAMP ON SIDE OF GUN HANDLE)							
			JGA-502 OR PGA-510	TYPE JGA (JGA-503) TYPE MSA (MSA-501/503) PGA-511	JGA-510, JGP, OR MSA-510	JGHV-530 OR TYPE MSV	JGHV-531 OR MSV-531	LMG-500	LMG-501	MODEL JGV (JGV-560, 570, 572)
			QUANTITY OF PARTS REQUIRED							
1	LARGE 		1	-	-	-	-	-	-	-
	SMALL 		-	1■	1■	1	1	-	-	1■
2	O-RING (VITON RUBBER) 		1	1■	1■	1	1	-	-	1■
3	GASKET (PTFE) 	JGS-72	2	2	2	2	2	2	2	2
4	NEEDLE SPRING 	MBD-19	1	1	1	1	1	1	1	1
5	SPRING PAD (PTFE) 		1	1	1	1	1	1	1	1
6	TIP GASKET (COPPER) 	AV-1 (■ See Caution above)	1	-	-	-	-	-	-	-
7*	BAFFLE GASKET (POLYETHYLENE) USED WITH JGD-402-1 BAFFLE 	JGD-14	-	1	1	1	1	-	1	1
7*	BAFFLE GASKET (ACETAL) USED WITH GTI-425 BAFFLE 	GTI-33 (See Note 2 on following page)	-	-	1	-	-	-	-	-
8	O-RING (BUNA-N RUBBER) 	SSG-8182	-	-	-	1	1	-	-	-
9	SNAP RING 		1	1	1	1	1	1	1	1
10	WASHER (ALUMINUM) 		1	1	1	1	1	1	1	1
11	U-CUP SEAL (POLYETHYLENE) 		1	1	1	1	1	1	1	1
12	AIR VALVE 		1	1	1	1	1	1	1	1
13	AIR VALVE SPRING 		1	1	1	1	1	1	1	1
14	FLUID NEEDLE PACKING (2 PIECE) 	JGV-463 (See Note 1 on following page)	1	1	1	1	1	1	1	1
15	TRIGGER STUD SCREW 		1	1	1	1	1	1	1	1

■ AN EXTRA PART OF EACH HAS BEEN SUPPLIED FOR USE WITH THE OPTIONAL JGA-4005 AIR ADJUSTING VALVE.  
\* PLEASE SELECT THE VERSION OF BAFFLE GASKET THAT MATCHES THE BAFFLE GASKET ON YOUR GUN.

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## WARRANTY POLICY

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

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