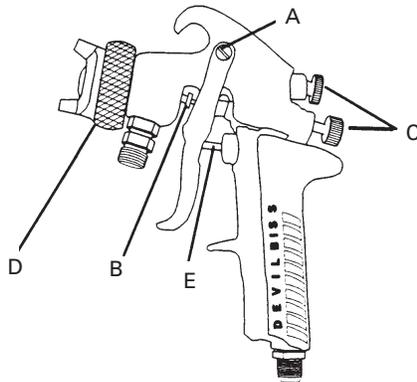


**SPRAY GUN LUBRICATION**

Daily, apply a drop of SSL-10\* spray gun lube at trigger bearing stud (28) and the stem of air valve (20) where it enters air valve assembly. The shank of fluid needle (11) where it enters packing nut (9) should also be oiled. Fluid needle packing (8) should be lubricated periodically. Make sure baffle (6) and retaining ring (3) threads are clean and free of foreign matter. Before assembling retaining ring to baffle, clean the threads thoroughly, then add two drops of SSL-10 spray gun lube to threads. Fluid needle spring (14) and air valve spring (19) should be coated with a very light grease, making sure that any excess grease will not clog the air passages. For best results, lubricate the points indicated, daily.

\* Not for air tools or high RPM equipment.

- A. Trigger Points
- B. Packing
- C. Adjusting Knobs
- D. Baffle Threads
- E. Air Valve Cartridge



**PARTS REPLACEMENT**

**FLUID INLET GASKET (32) REPLACEMENT INSTRUCTIONS**

1. Remove fluid inlet adapter (34) with appropriate wrench.
2. Clean Loctite from gun body inlet threads and seal area.
3. Place gasket (32) squarely onto the fluid inlet adapter and push it down until it is flat against the shoulder.
4. Use medium strength thread sealant (i.e. Devcon 2242 blue, or equal) on threads before installing fluid inlet adapter.
5. Torque fluid inlet adapter to 20-25 ft. lbs. and tighten locknut.

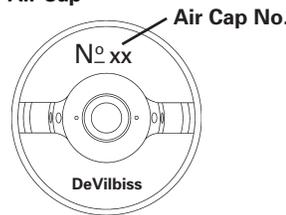
**Chart 1**

No. on Air Cap Order No. →	Air Cap With Ring (Ref. No. 4)	Type of Fluid Delivery	Suction Feed		Pressure Feed	
			Fluid Needle (Ref. No. 11)	Fluid Tips Used (Ref. No. 5)	Fluid Needle (Ref. No. 11)	Fluid Tips Used (Ref. No. 5)
80	MB-4039-80	SUCTION	GTI-413	AV-213-16 OR AV-213-18		
9000	AV-440-9000	SUCTION OR PRESSURE	GTI-413	AV-213-16 OR AV-213-18	GTI-449-12	AV-213-10 OR AV-213-12
765	AV-440-765	PRESSURE			GTI-449-12	AV-213-12
777	AV-440-777	PRESSURE			GTI-449-12	AV-213-14

**Chart 2**

Fluid Tips Available			
Tip Size		Fluid Tip (Ref. No. 5)	Type of Fluid Delivery
in.	mm		
0.039	1.0	AV-213-10	Pressure Feed
0.047	1.2	AV-213-12	Pressure Feed
0.055	1.4	AV-213-14	Pressure Feed
0.063	1.6	AV-213-16	Suction Feed
0.070	1.8	AV-213-18	Suction Feed

**PARTS REPLACEMENT Figure 1 Air Cap**

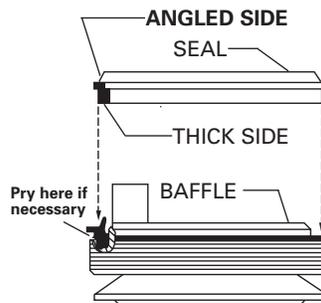


**GTI-33 Baffle Seal Replacement**

1. Remove Fluid Tip (5).
2. Remove Baffle (6).
3. Remove Seal (7) from baffle.

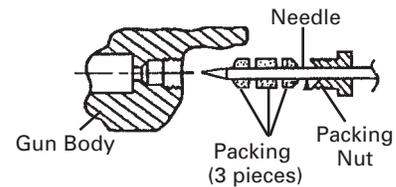
**NOTE**

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.

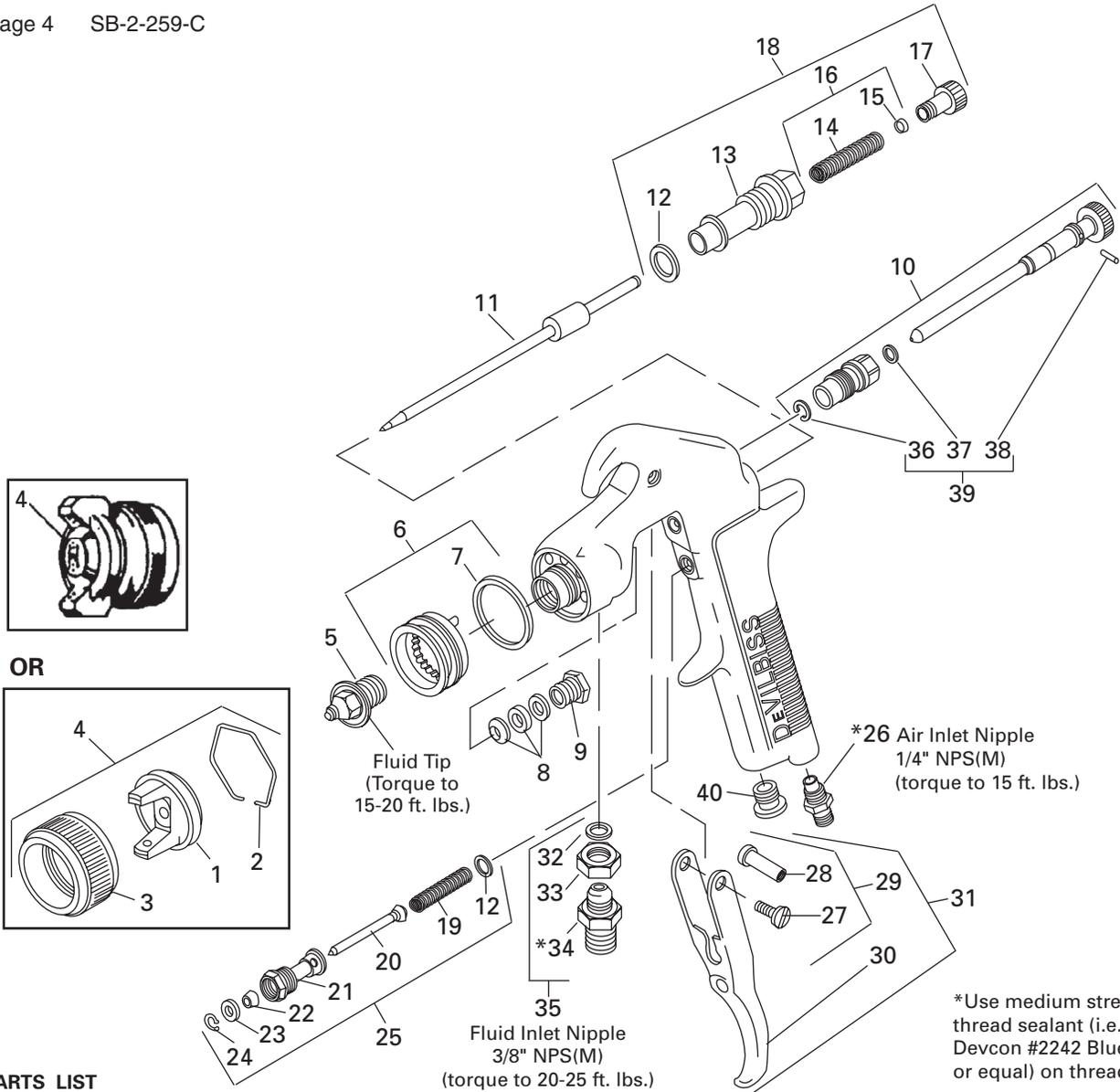


4. Assemble seal to baffle with angled side up as shown in diagram. **NOTE:** The seal should be a tight fit on the baffle. If it is a loose fit on the baffle, assure that it is assembled with the angled side up.
5. Install baffle on gun.
6. Install fluid tip (5) and tighten to 15-20 ft-lbs.

**JGA-4035 Packing Replacement Instructions**



1. Remove adjusting knob and needle spring from gun.
2. Partially withdraw needle from gun body.
3. Loosen packing nut and remove.
4. Remove old packing.
5. Assemble packing nut to needle.
6. Assemble packing in order shown to needle.
7. Insert needle all the way into gun body seating in tip.
8. Install needle spring and adjusting knob.
9. Thread packing nut into gun body.
10. Tighten packing nut in equal increments - no more than 1/6 turn at a time.
11. After each adjustment, pull needle open and observe needle closure.
12. If needle snaps shut, continue adjusting nut until there is evidence of needle bind or slow closing.
13. 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.
14. Pull needle several times to verify needle snaps shut and check packing nut for looseness.



\*Use medium strength thread sealant (i.e. Devcon #2242 Blue, or equal) on threads.

**PARTS LIST**

Ref. No.	Replacement Part No.	Description	Ind. Parts Req.
1	---	Air Cap	1
2	JGA-156-K10	Spring Clip (Kit of 10)	1
3	GTI-3	Air Cap Retaining Ring	1
4	See Chart 1	Air Cap & Retaining Ring	1
5	See Charts 1 & 2	Fluid Tip	1
6	GTI-425	Baffle Assembly	1
7	GTI-33-K5	Baffle Seal (Kit of 5)	1
8	JGA-4035-K5	Packing (Kit of 5)	1
9	34411-122-K10	Packing Nut	1
10	GTI-405	Spreader Valve Assembly	1
11	See Chart 1	Fluid Needle	1
*12	JGS-72-K10	Gasket Kit (PTFE) (Kit of 10)	2
13	---	Body Bushing	1
*14	---	Fluid Needle Spring	1
*15	---	Spring Pad	1
16	MBD-19-K10	Spring and Pad (Kit of 10)	1
17	GTI-414	Needle Adjusting Screw	1
18	KK-5059	Bushing, Spring, Pad and Knob Kit	1
*19	---	Air Valve Spring	1
*20	---	Air Valve	1
21	---	Air Valve Body	1

Ref. No.	Replacement Part No.	Description	Ind. Parts Req.
*22	---	U Cup Seal	1
*23	---	Washer	1
*24	---	Snap Ring	1
25	JGS-449-1	Air Valve Assembly	1
26	P-MB-51	Air Inlet Nipple 1/4" NPS(M)	1
27	---	Trigger Stud Screw	1
28	---	Trigger Stud	1
29	JGS-478	Stud and Screw Kit	1
30	---	Trigger	1
31	JGS-477-1	Trigger, Stud & Screw Kit	1
*32	---	Fluid Inlet Gasket (PTFE)	1
33	---	Locknut	1
34	---	Fluid Inlet Adapter	1
35	JGA-4042	Fluid Inlet, Gasket, Nut Kit	1
*36	---	Retaining Clip	1
*37	---	Seal	1
*38	---	Pin	1
39	GTI-428-K5	Clip, Seal & Pin Kit (5 each)	1
40	---	Plug	1

\* KK-5058-2 Gun Repair Kit includes a quantity of necessary parts. Suffixes -K5, -K10 designate kits of multiple parts. Example: JGA-4035-K5 is a kit of 5 packings.