



DEVILBISS
AN ITW COMPANY

SERVICE BULLETIN
SB-2-234-F
Replaces SB-2-234-E

Repair Kit KK-4987-1

JGV™ SPRAY GUN MODEL JGV-572 SUCTION FEED

IMPORTANT: Before using this equipment, read all safety precautions and instructions. Keep for future use.

DESCRIPTION

The JGV-572 is a primary finishing tool for metallic-type paints used in the auto-refinish industry, and is recommended for use on "Suction Feed" only. When used with the recommended air caps and fluid tips, it has been proven to be extremely effective in minimizing metallic mottle.

Note

This gun has been constructed of 300 series stainless steel fluid passages and 400 series tip and needle. 300 series stainless tips and needles may also be ordered separately. See page 2. JGV guns may be used with chlorinated solvent materials.

The following gun combinations are available as standard: JGV-572FW and JGV-572EX.

Although several DeVilbiss air caps have been found to satisfactorily perform on the JGV-572, ultimate results are obtained using the No. 86 and No. 80 caps.

IMPORTANT: The JGV-572, with either of the fluid tip sizes listed in chart 2, will produce less fluid flow output than other DeVilbiss guns, such as JGA-502 and JGV-560 using the same combinations. This degree of control has been designed into the gun through modified (Patent Pending) gun porting in order to permit the manual sprayer greater control over metallic flake orientation and distribution on painted surfaces.

When using this gun for lacquer base metallics or clear coat applications, the painter may wish to change the fluid*tip/needle combination from FW to EX. This will effectively increase fluid output and deposition rates. As with all paint materials it is important to follow the manufacturers directions for thinning and blending in order to provide a desirable finish.

When ordering, add the air cap and fluid tip sizes to the basic gun part number. See Chart below.

Example: JGV-572-86-FW

	└───┘	Fluid Tip Size
Basic Part No. └───┘	└───┘	Air Cap Size

PREVENTIVE MAINTENANCE

CAUTION

To avoid serious gun damage, do not remove the fluid tip (4) from the spray gun when the fluid inlet adapter (9) is removed. Doing so may allow the stainless steel insert to break free from the aluminum body, which is non-repairable. Remove the fluid tip (4) first.

Strain material thru 60 or 90 mesh screen.

To clean fluid passages, remove excess material at source, then flush with a suitable solvent.

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

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.

CAUTION

To prevent damage to the fluid tip (4) or fluid needle (32), be sure to either 1) pull the trigger and hold while tightening or loosening the fluid tip or 2) remove fluid needle adjusting screw to relieve spring pressure.

JGHV-116-K5 Gasket Replacement Instructions

1. Remove fluid inlet adapter (9) with appropriate wrench.
2. Clean loctite from gun body inlet threads and seal area.
3. Place a new gasket (7) squarely into the fluid inlet cavity in the gun body. Push the gasket (7) down with a blunt object, such as a pen or pencil, to guide and seat the gasket squarely into the gun body.
4. Place a couple of drops of QH-130 (medium strength No. 242 blue Loctite) on threads before installing fluid inlet adapter (12).
5. Torque fluid inlet adapter (9) to 10 ft. lbs. and tighten locknut (8).

CHART 1

NOZZLE COMBINATIONS			AIR CAPS	
Air Cap Size	Fluid Tip & Needle Size (Order from Chart 2)		Ref. No. 1 Air Cap with Retaining Ring	Ref. No. 3 Air Cap less Retaining Ring
	FW (.063")	EX (.070")		
30	S	S	MB-4039-30	—
43	S	S	—	31767-043
**80	S	S	MB-4039-80	—
**86	S	S	—	AV-1239-86

** Recommended combination.

S -Suction feed combination.

CHART 2

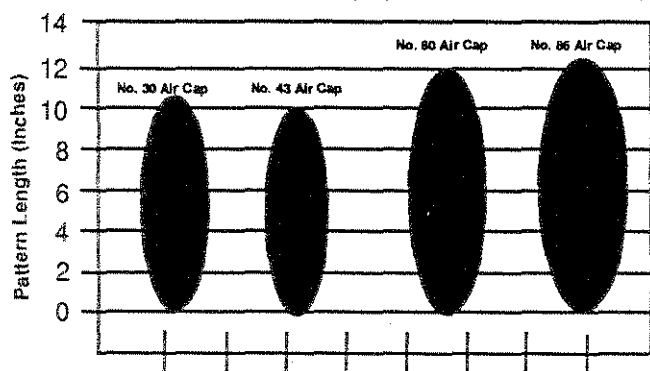
FLUID TIPS AND NEEDLES		
Ref. 4 Fluid Tip 2115	#Order No.	Ref. No. 32 Fluid Needle No. on Needle
AV-2115-FW	AV-650-FW	JGA-402-FF
AV-2115-EX	AV-650-EX	JGA-402-DEX

‡ Do not use AV-1 Gasket with this gun.

Order this tip replacement if you have an AV-1115 tip series.

Optional 300 stainless tips and needles may also be ordered separately. Order AV-645-XX and JGA-421-XX needle.

JGV-572 Spray Patterns

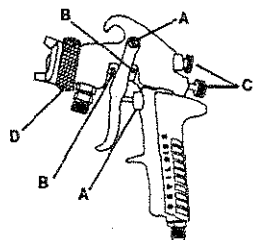


Typical Pattern at 50psi Atomizing Pressure and 24 Sec.
No. 4 Ford Material Viscosity

Spray Gun Lubrication

For best results, lubricate the points indicated, daily. Use SSL-10 Spray Gun Lube to lubricate.

- A. Trigger Points
- B. Packing
- C. Adjusting Valve
- D. Baffle Threads



Daily, apply a drop of gun lube at trigger bearing stud (21) and the stem of the air valve (14) where it enters the air valve assembly (17). The shank of the fluid needle (32) where it enters the packing nut (19) should also be oiled. The fluid needle packing (18) should be kept soft and pliable by periodic lubrication.

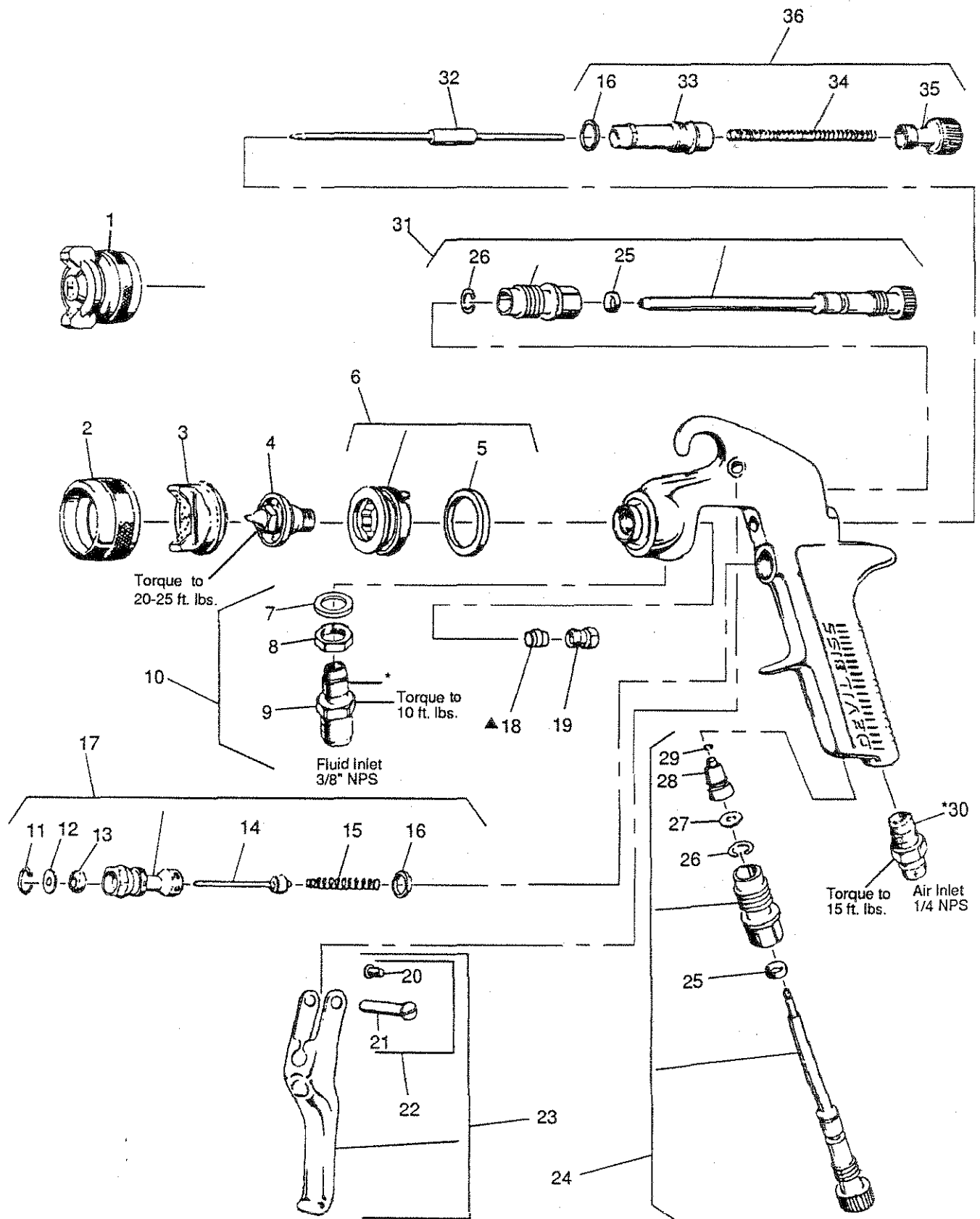
The fluid needle spring (34) should be coated with a light grease. The air valve spring (15) should be coated with a very light grease, ensuring that any excess grease will not clog the air passages.

Parts List

Ref. No.	Replacement Part No.	Description	Individual Parts Req.
1	See Chart 1	Air Cap & Retaining Ring	1
2	MBC-368	Retaining Ring for Ref. No. 1	1
3	See Chart 1	Air Cap	1
4	See Chart 2	Fluid Tip	1
5	JGD-14-K10	Seal (Kit of 10)	1
6	JGD-402-1	Baffle	1
7	JGHV-116-K5	Gasket (Kit of 5) Glass Filled Teflon	1
8	—	Locknut	1
9	—	Fluid Inlet Adapter 3/8" NPS	1
10	JGV-444	Fluid Inlet & Nut Kit	1
11	—	Snap Ring	1
12	—	Washer	1
13	—	"U" Cup	1
14	—	Air Valve	1
15	—	Spring	1
16	JGS-72-K10	Gasket (Kit of 10)	2
17	JKG-449-1	Air Valve Assembly	1
18	JGA-4035-K10	Packing (Kit of 10)	1
19	34411-122-K10	Fluid Needle Packing Nut (Kit of 10)	1
20	—	Screw	1
21	—	Trigger Bearing Stud	1
22	JGS-478	Stud & Screw Kit (Kit included 3 studs, 5 screws)	1
23	JGS-477	Trigger, Stud & Screw Kit (Kit includes 1 each)	1
24	JGA-4005	Air Adjusting Valve	1
25	—	"O" Ring	2
26	—	Retaining ring	2
27	—	Washer	1
28	—	Valve Head	1
29	—	Retaining Ring	1
30	P-MB-51	Air Inlet Adapter 1/4" NPS	1
31	JGA-497-1	Spreader Valve	1
32	See Chart 2	Fluid Needle	1
33	—	Gun Body Bushing	1
34	MBD-19-K10	Spring (Kit of 10)	1
35	JGS-16	Fluid Needle Adjusting Screw	1
36	JGA-4041	Bushing, Spring & Knob Kit	1

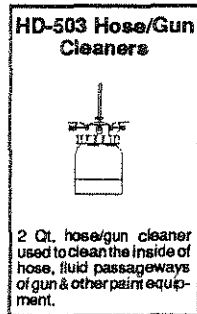
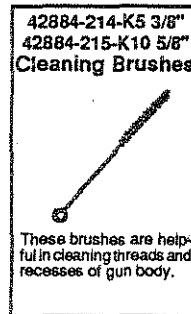
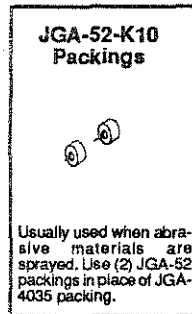
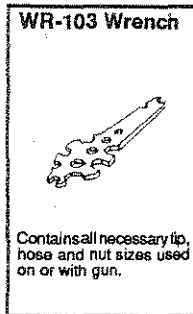
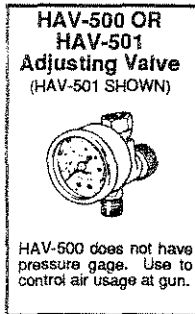
•These parts are included in Repair Kit KK-4987-1 which should be kept on hand for service convenience.

Suffixes -K5, -K10, etc., designates kits of multiple parts. Example: JGD-14-K10 is a kit of (10) seals.



▲ (Ref. No. 18) Needle Packing Assembly Detail (3 piece packing)

*Apply QH-130 (Loctite #242 med. strength blue) sealing compound on threads.

ACCESSORIES

TSC-595 Cup - Stainless Steel, suction feed cup - 1 qt. capacity.

MSP-508 - Twin cartridge, paint spray respirator, NIOSH - Certified (TC-23C-335) for respirator protection in atmospheres not immediately dangerous to life.

TGC-500-2 Cup - This cup with built-in air powered agitator, prevents metallic flake settling. It is recommended for use with all base coat and standard metallic type paint materials.

SERVICE LITERATURE REVISIONS

Refer to the following chart for Part No./Literature changes.

Part No.Changes			Literature Changes
Old Part Number	New Part Number	Interchangeability	
KK-4987 Repair Kit	KK-4987-1 Repair Kit	Directly	

WARRANTY

This product is covered by DeVilbiss' 1 Year Limited Warranty. See SB-1-000 which is available upon request.

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