C.A.Technologies **Jaguar 100 Series**

GRAVITY FEED SPRAY GUN
PRODUCT INFORMATION

HVLP AIR CAP AND FLUID NOZZLE CHART

MODEL NO.	AIR CAPS	MAX GUN INLET PRESSURE FOR HVLP*	SIDEPORT CONTROL	APPROXIMATE CFM	AIR CAP RING	AVAILABLE FLUID NOZZLES TIPS	NEEDLES / marking on needle
J100H			60-1502 (#2)		21-1001	31-0205 0.5mm (.020")	40-1100 (100)
						31-0208 0.8mm (.022")	
	21-1090	13		6		31-0210 1.0mm (.040")	
	21-1091	13		8		31-0212 1.2mm (.046")	
	21-1092	15		8		31-0213 1.3mm (.052")	
	21-1093	18		10		31-0214 1.4mm (.055")	
	21-1094	33		13		31-0215 1.5mm (.059")	
	21-1095	50		22.5		31-0216 1.6mm (.063")	
	21-1097	50		22.5		31-0217 1.7mm (.070")	
						31-0412 1.2Fmm (.046")	40-1112F (112F)
						31-0414 1.4Fmm (.055")	40-1114F (114F)
						31-0417 1.7Fmm (.070")	40-1114F (114F)

*Note: Air cap test gages are available to confirm HVLP compliance.

CONVENTIONAL AIR CAP AND FLUID NOZZLE CHART

MODEL NO.	AIR CAPS	MAX GUN INLET PRESSURE*	SIDEPORT CONTROL	APPROXIMATE CFM	AIR CAP RING	AVAILABLE FLUID NOZZLES TIPS	NEEDLES / marking on needle
J100C	21-2163	50	60-1500	8	21-0101 (Included)		
	21-2263	50		14			
	21-2263-E	50		15			
	21-2363	50		13.6		31-0606 0.6mm (.022")	40-1107 (107)
	21-2266	50		5		31-0607 0.7mm (.028")	
	21-2266	50		12		31-0612 1.2mm (.046")	40-1110 (110)
	21-2266-3	50		16.2		31-0613 1.3mm (.052")	
	21-2366	50		12		31-0615 1.5mm (.059")	40-1115 (115)
	21-2466	50		15		31-0618 1.8mm (.070")	
	21-2167	50		14.5		31-0622 2.2mm (.086")	40-1122 (122)
	21-2267	50		15		31-0628 2.8mm (.110")	40-1128 (128)
	21-2168	50		14			
	21-2268*	50		13.5			
	21-200**	50		5.2			
	21-201**	50		5.2			

Actual fluid nozzle and air cap combinations are determined by application (see application chart on Page 4)

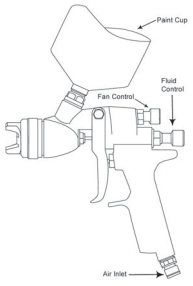
*Air caps used for gel coat applications

**200 Air cap requires P/N 21-1583 base & 21-1584 ring

Coating Atomization Technologies P.O. Box 17820, Boulder CO 80308 (888) 820-4498 Fax (303) 438-5708
www.sprayCAT.com

Operation and Maintenance Instructions for *Jaguar* Gravity Spray Guns

Operation



1. Connect air supply hose at handle of gun. 5/16” air hose x 25 ft. max. length is recommended. Also, only use CAT high flow quick disconnects and avoid using any restrictive fittings for the air supply to the gun.
2. Screw the paint cup onto the gun’s gravity feed fluid inlet.
3. Fluid flow can be controlled using the fluid control knob, this restricts flow by limiting needle travel. It is best to control fluid flow by the proper selection of orifice size and use the fluid control knob to “fine tune flow rate”.
4. Fan width can be adjusted using the fan control knob. Turning the knob clockwise narrows the fan.

Maintenance

IMPORTANT! Routine cleaning and maintenance is essential to insure proper gun operation.
Several states prohibit spraying solvent into the atmosphere and require the use of covered gun cleaner.

1. If a gun cleaner is being used, connect and clean the gun in the gun cleaner according to the manufactures instructions.
2. If a gun cleaner is not being used:
   Remove air cap and clean separately using clean solvent.
   Clean the gravity feed cup thoroughly, then spray clean solvent through the gun until clean.

NOTE: Gun disassembly is not recommended for normal cleaning and maintenance.

Gun disassembly and reassembly instructions:

Have repair kit # 10-105 available before gun disassembly.

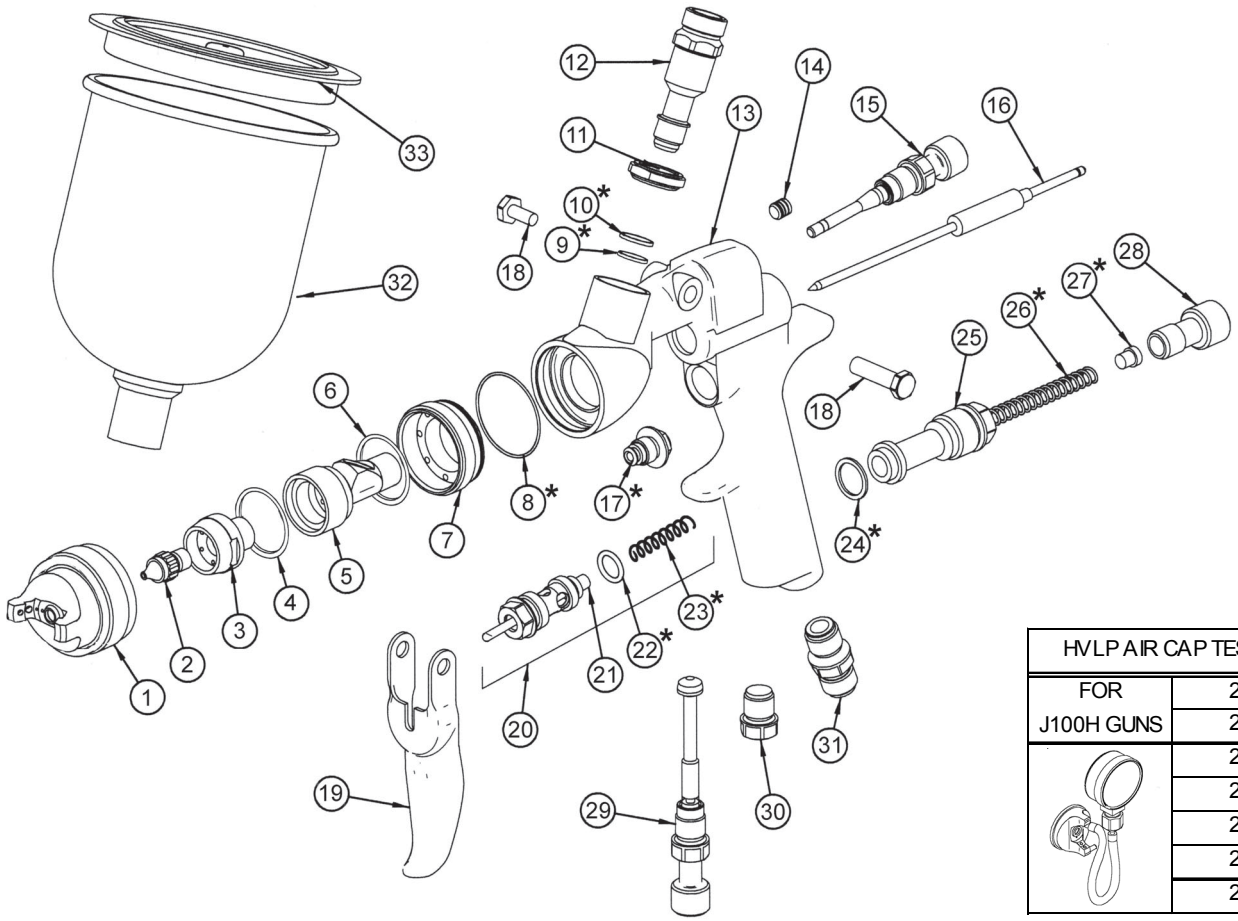
Disassembly

To remove nozzle carrier (5) and air cap adapter (7):

1. Remove the air cap (1), fluid tip (2), fluid nozzle body (3) and needle (16).
2. Remove needle seal cartridge (17).
3. Loosen locknut (11) and remove fluid inlet (12).
4. The fluid nozzle carrier (5) and air cap adapter (7) will now slide foward from the gun handle (13).

Reassembly

1. Install new o-ring (8) on the air cap adapter (7).
2. Install air cap adapter (7) into gun body (13).
3. (For Lynx 100 Conventional Only) install seal (4) onto air cap adapter (7).
4. Install the locknut (11) and seal (10) onto the fluid inlet (12) as far as possible.
5. Install a new fluid inlet seal (9) into the recessed area on the nozzle carrier (5) inlet port.
6. Install carrier seal (6) onto the back of the nozzle carrier (5).
7. Slide the nozzle carrier (5) into the air cap adapter (7) as far as possible. Be sure the nozzle carrier extends into the hole at the back of the gun head. Install the needle seal cartridge (17) but do not tighten.
8. Rotate the nozzle carrier (5) until the fluid inlet port in the nozzle carrier is aligned with the threaded hole in the gun body (13). While in this position, insert the fluid inlet (12) and tighten firmly.
9. Tighten needle seal (17) to approx.12 ft-lbs torque.
10. Tighten fluid inlet (12) to approx. 25 ft-lbs torque.
11. Tighten locknut (11) to approx. 33 ft-lbs torque.



HVLP AIR CAP TEST GAUGES	
FOR J100H GUNS	21-1090-G
	21-1092-G
	21-1093-G
	21-1095-G
	21-1097-G
	21-1195-G
	21-1197-G

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	See Air Cap Chart	Air Cap*	17	60-1400	Needle Seal Cartridge**
2	See Air Cap Chart	Fluid Tip*	18	60-1033	Trigger Pivot Screw s
3	31-1201 (HVLP)	Fluid Nozzle Body (for HVLP)	19	60-2101	Trigger
	31-2201 (CONV)	Fluid Nozzle Body (for Conv)	20	60-1520	Air Valve Assembly
4	61-1005 (CONV)	Seal** (CONV)	21	60-302	Air Valve Poppet
5	60-J11H (HVLP)	Nozzle Carrier (HVLP)	22	60-125	Seal**
	60-J11C (CONV)	Nozzle Carrier (HVLP)	23	61-1003	Air Valve Spring**
6	60-123	Carrier Seal	24	60-119	Seal**
7	60-12H (HVLP)	Air Cap Adapter (HVLP)	25	60-201	Rear Bushing
	60-12C (CONV)	Air Cap Adapter (CONV)	26	60-204	Needle Return Spring**
8	60-131	O-Ring**	27	60-205	Spring Seat**
9	60-124	Fluid Inlet Seal**	28	60-202	Fluid Control Knob
10	60-130	Seal**	29	60-1510	Inlet Air Control (Optional)
11	60-118	Locknut	30	60-122	Plug
12	60-127	Fluid Inlet	31	60-104	Air Inlet Fitting
13	60-1113	Jaguar Gun body (HVLP)	32	51-401 standard 750cc	Gravity Feed Cup (aluminum)
	60-1123	Jaguar Gun body (CONV)		51-400 optional 750cc	Gravity Feed Cup (plastic)
14	98-0109	Allen Plug		51-403 optional 1 liter	Gravity Feed Cup (aluminum)
15	See Air Cap Chart	Fan Control Assembly	33	51-418	Gravity Cup Lid
16	See Air Cap Chart	Fluid Needle*			

*See air cap selection chart on pages 1 & 4

**Indicates part included in repari kit # 10-105

FLUID NOZZLE / AIR CAP SELECTION CHARTS

Jaguar 100 Series - Gravity Feed Spray Guns

MATERIAL TYPE	Orifice Size	Air Cap	HVLP	Air Cap	CONVENTIONAL
Filler	1.7	21-1093	18 psi @ 10 cfm	21-2466	50 psi @ 15 cfm
Primer/ Washprimer/Epoxy	1.4-1.7	21-1094	33 psi @ 13 cfm	21-2466	50 psi @ 15 cfm
Sealer	1.4-1.7	21-1195	50 psi @ 22.5 cfm	21-2466	50 psi @ 15 cfm
Single Stage	1.3-1.4	21-1093	18 psi @ 10 cfm	21-2466	50 psi @ 15 cfm
Basecoat	1.3-1.4	21-1095	50 psi @ 22.5 cfm	21-2466	50 psi @ 15 cfm
Clearcoat	1.3-1.4	21-1093	18 psi @ 10 cfm	21-2466	50 psi @ 15 cfm
High Solids Clears	1.3-1.5	21-1093	18 psi @ 10 cfm	21-2466	50 psi @ 15 cfm