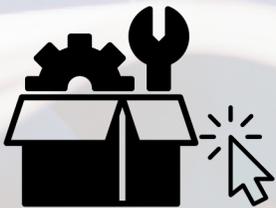


# CET

Coating Equipment Technology, Inc  
Quality Spray Equipment. World Class Service.

## C.A. Technologies

### CA Tech Jaguar 100H Spray Gun



### CLICK-N-PICK SPARE PARTS CUTSHEET

Easily find spare parts without digging through the full manual.

[Click on part numbers to order.](#)

**BINKS**



**WAGNER**



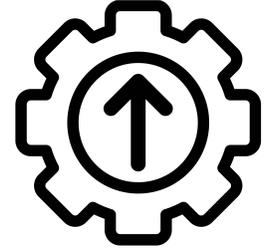
**C.A. Technologies**

**DEVILBISS**

**SCHULZ**



ENHANCED \*INTERACTIVE\* MANUAL



BLUE TEXT = CLICK TO ORDER 



DISTRIBUTED BY COATING EQUIPMENT TECHNOLOGY, INC

PHONE: 586-210-0555

WEB: [www.cetinc.com](http://www.cetinc.com)

### HVLP AIR CAP AND FLUID NOZZLE CHART

MODEL NO.	AIR CAPS	*MAX GUN INLET PRESS. FOR HVLP	FAN CONTROL	SCFM @ MAX GUN INLET	AIR CAP RING	STANDARD IN CAT PACK	AVAILABLE FLUID NOZZLES TIPS	NEEDLES / marking on needle	
Jaguar 100H (J100H)							31-0205 0.5mm (.020")	40-1100 (100)	
							31-0208 0.8mm (.022")		
	21-1090	15	60-1502 (#2)	6	21-1001	W, W-PPS	31-0210 1.0mm (.040")		
	21-1091	15		8		A, A-PPS	31-0212 1.2mm (.046")		
	21-1092	15		8		W, W-PPS	31-0213 1.3mm (.052")		
	21-1093	18		10		W, A, PPS	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			W, A, PPS		31-0217 1.7mm (.070")
						31-0414 1.4Fmm (.055")	40-1114F (114F)		
						31-0417 1.7Fmm (.070")	40-1117F (117F)		

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

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

\*Gun inlet pressures may vary as required by application

W = Wood

A = Automotive

PPS = 3M™ PPS™

# Operation and Maintenance Instructions for *J100H* Spray Guns

## Operation

1. Connect air supply hose at handle of 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 proper selection of fluid 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 head disassembly is not recommended for normal cleaning and maintenance.**

## Gun head disassembly and reassembly instructions:

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

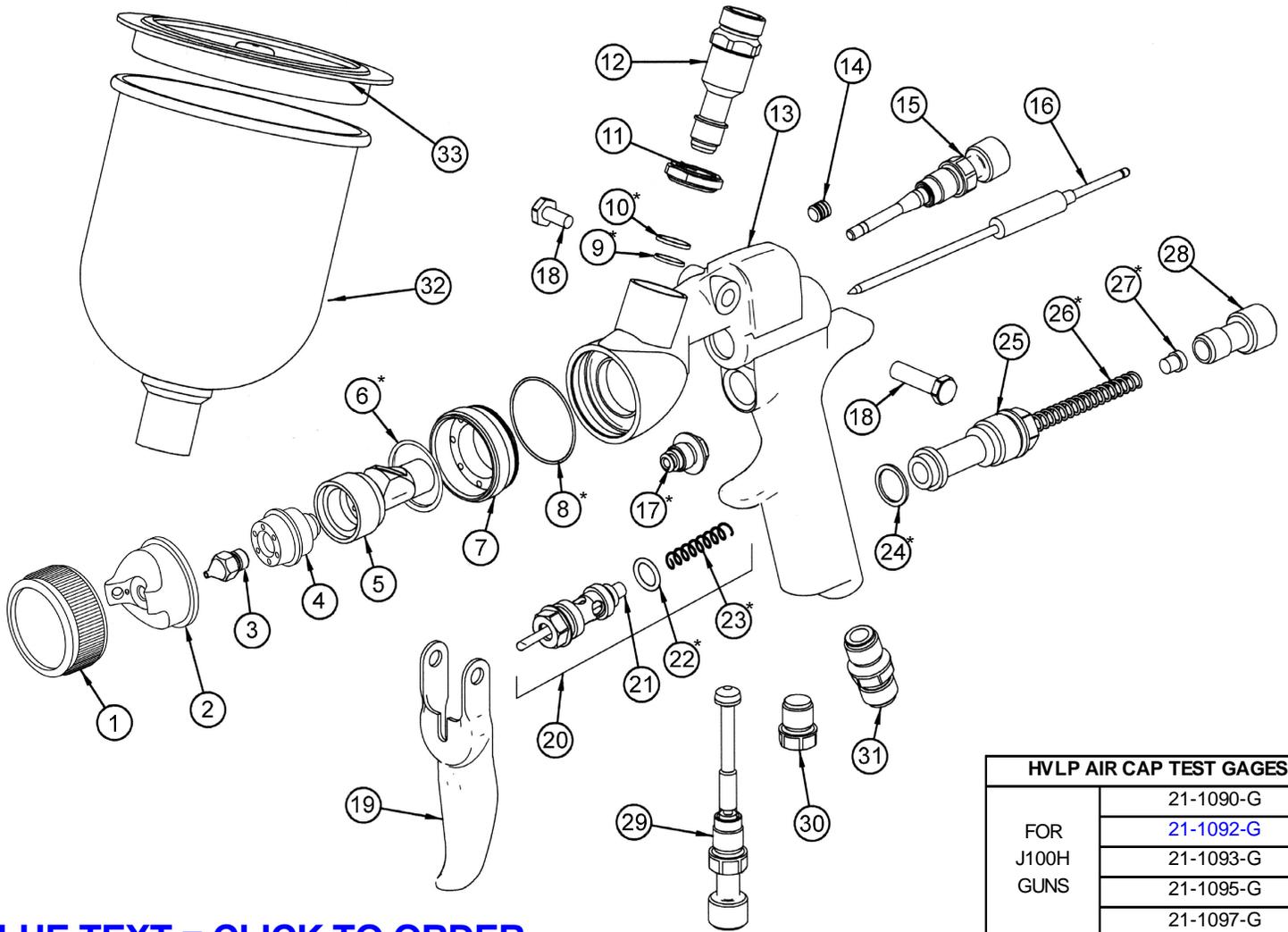
### Gun head disassembly

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

1. Remove the air cap (1 & 2), fluid nozzle tip (3), fluid nozzle body (4), and needle (16).
2. Remove the needle seal cartridge (17).
3. Loosen the locknut (11) and remove fluid inlet (12) using a 11/16" open-end wrench.
4. The nozzle carrier (5) and air cap adapter (7) will now slide forward from the gun body (13).

### Gun head reassembly

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



HVLP AIR CAP TEST GAGES	
FOR	21-1090-G
J100H	<a href="#">21-1092-G</a>
GUNS	21-1093-G
	21-1095-G
	21-1097-G

**BLUE TEXT = CLICK TO ORDER**

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	See Air Cap Chart	Air Cap Ring**	19	<a href="#">60-2101</a>	Trigger
2	See Air Cap Chart	Air Cap**	20	<a href="#">60-1520</a>	Air Valve Assembly
3	See Air Cap Chart	Fluid Tip**	21	<a href="#">60-302</a>	Air Valve Poppet
4	<a href="#">31-1201</a>	Fluid Nozzle Body	22	<a href="#">60-125</a>	Seal*
5	<a href="#">60-J11H</a>	Nozzle Body Carrier	23	<a href="#">61-1003</a>	Air Valve Spring*
6	<a href="#">60-123</a>	Seal*	24	<a href="#">60-119</a>	Seal*
7	<a href="#">60-12H</a>	Air Cap Adapter	25	<a href="#">60-201</a>	Rear Bushing
8	<a href="#">60-131</a>	O-Ring*	26	<a href="#">60-204</a>	Needle Return Spring*
9	<a href="#">60-124</a>	Seal*	27	<a href="#">60-205</a>	Spring Seat*
10	<a href="#">60-130</a>	Seal*	28	<a href="#">60-202</a>	Fluid Control Knob*
11	<a href="#">60-118</a>	Locknut	29	<a href="#">60-1510</a>	Inlet Air Control (Optional)
12	<a href="#">60-127</a>	Fluid Inlet	30	<a href="#">60-122</a>	Plug
13	60-1113	Jaguar Gun Body HVLP	31	<a href="#">60-104</a>	Air Inlet Fitting
14	<a href="#">98-0109</a>	Allen Plug	32	<a href="#">51-401 Standard 700 mL</a>	Gravity Feed Cup (Aluminum)
15	See Air Cap Chart	Fan Control Assembly**		<a href="#">51-400 Optional 700 mL</a>	Gravity Feed Cup (Plastic)
16	See Air Cap Chart	Fluid Needle**		<a href="#">51-403 Optional 1000 mL</a>	Gravity Feed Cup (Aluminum)
17	<a href="#">60-1400</a>	Needle Seal*	33	<a href="#">51-418</a>	Gravity Cup Lid (401 & 403)
18	<a href="#">60-1033</a>	Trigger Pivot Set		51-413	Gravity Cup Lid (400)

\*\*See air cap selection chart on page 1

\*Indicates part included in repair kit # 10-105

# FLUID NOZZLE / AIR CAP SELECTION CHARTS

## JAGUAR Series 100H - Gravity Feed Guns

### J100H HVLP SPRAY GUN

MATERIAL TYPE	FLUID ORIFICE x AIR CAP	MAXIMUM PATTERN WIDTH	CFM
<b>Very Thin</b> less than 16 sec. Zahn #2 inks , dyes, solvents, stains	0.5, 0.8 mm x 1090	10	6
	0.5, 0.8 mm x 1092	11	8
<b>Thin</b> 16 to 20 sec. Zahn #2 lacquers, enamels, primers, sealers	1.0, 1.2 mm x 1092	11	8
	1.0, 1.2 mm x 1093	12	10
<b>Medium</b> 21 to 30 sec. Zahn #2 automotive base coat enamels, primers epoxies, urethanes automotive clear coat	1.3, 1.4, 1.5 mm x 1093	12	10
	1.3, 1.4, 1.5 mm x 1095	12	22.5
	1.3, 1.4, 1.5 mm x 1097	13	22.5
<b>Heavy</b> over 30 sec. Zahn #2 heavy body primers high solid enamels high solid automotive coatings adhesives	1.6, 1.7 mm x 1095	12	22.5
	1.6, 1.7 mm x 1097	13	22.5



CP-J100H



CP-J100H-PPS



**CP-J100H-(W or A) Includes:**

- 51-401 700 mL Aluminum Gravity Cup
- 52-300 Mini Regulator
- 98-0104 3/8" Socket
- 98-0112 Ratchet Wrench
- 60-8001 Gun Wrench
- 98-0113 Gun Cleaning Brush
- 51-430 Gravity Gun Hook

Air Caps and Needles Shown on Page 1

**CP-J100H-(W or A)-PPS Includes:**

- 91-465 650 mL PPS™ Cup and Collar
- 91-466 Lids and Liners (Available in 50 Pack)
- 91-474 #2 PPS Adapter
- 52-300 Mini Regulator
- 98-0104 3/8" Socket
- 98-0112 Ratchet Wrench
- 60-8001 Gun Wrench
- 98-0113 Gun Cleaning Brush

Air Caps and Needles Shown on Page 1

**EP-J100H-(W or A) Includes:**

- 51-401 700 mL Aluminum Gravity Cup
- 98-0104 3/8" Socket
- 98-0112 Ratchet Wrench
- 60-8001 Gun Wrench
- 98-0113 Gun Cleaning Brush

Air Caps and Needles Shown on Page 1

**EP-J100H-(W or A)-PPS Includes:**

- 91-465 650 mL PPS™ Cup and Collar
- 91-466 Lids and Liners (Available in 50 Pack)
- 91-474 #2 PPS Adapter
- 98-0104 3/8" Socket
- 98-0112 Ratchet Wrench
- 60-8001 Gun Wrench
- 98-0113 Gun Cleaning Brush

Air Caps and Needles Shown on Page 1