



CONVENTIONAL AIR CAP AND FLUID NOZZLE CHART

MODEL NO.	AIR CAPS	*RECOM. GUN INLET PRESS.	FAN CONTROL	SCFM @ MAX GUN INLET	AIR CAP RING	STANDARD IN CAT PACK	AVAILABLE FLUID NOZZLES TIPS	NEEDLES / marking on needle
Jaguar 300C (J300C)	23-2010	45-55	60-1500	9-10.7	23-0201		33-0608 0.8mm (.022")	40-1308C (308)
	23-2013					W, W-PPS	33-0610 1.0mm (.040")	40-1310C (310)
	23-2014					W, A, PPS	33-0613 1.3mm (.052")	40-1313C (313)
	23-2016					A, A-PPS	33-0614 1.4mm (.055")	40-1314C (314)
						W, A, PPS	33-0616 1.6mm (.063")	40-1315C (315)

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

*Gun inlet pressures may vary as required by application

Operation and Maintenance Instructions for *J300C* 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.

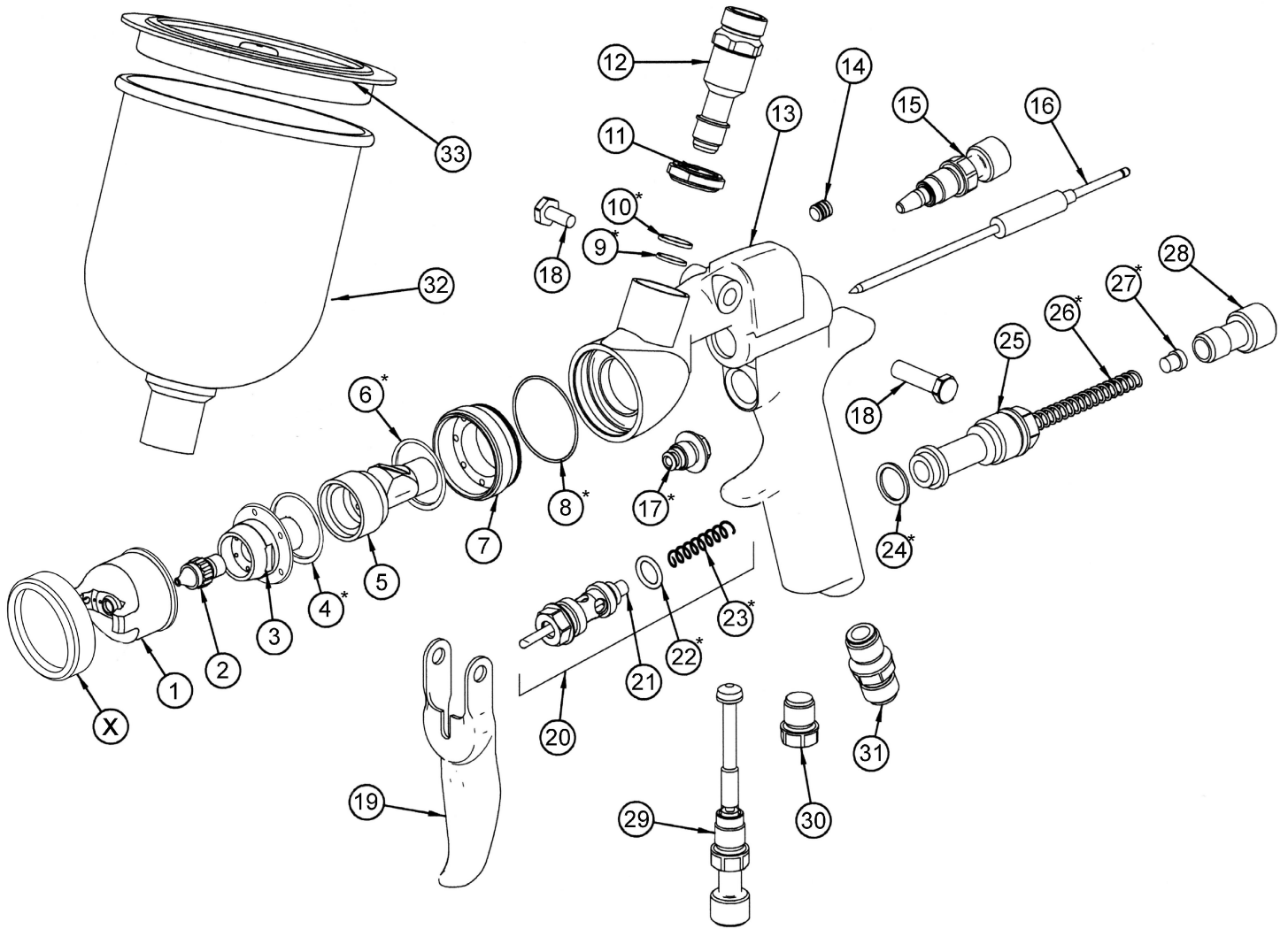
Gun head disassembly

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

1. Remove the air cap (1 & X), fluid nozzle tip (2), fluid nozzle body (3), 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 gasket (4) into the air cap adapter (6).
3. Install the thread locknut (11) and seal (10) onto the fluid inlet (12) as far as possible.
4. Install a new fluid inlet seal (9) into the recess area on the nozzle carrier (5) inlet port.
5. Install carrier seal (6) onto the back of the nozzle carrier (5).
6. 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.
7. 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.
8. Tighten the needle seal (17) to approx. 12 ft.-lb. torque.
9. Tighten the fluid inlet (12) to approx. 25 ft.-lb. torque.
10. Tighten the locknut (11) to approx. 33 ft.-lb. torque.



ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
X	See Air Cap Chart	Air Cap Ring**	19	60-2101	Trigger
1	See Air Cap Chart	Air Cap**	20	60-1520	Air Valve Assembly
2	See Air Cap Chart	Fluid Tip**	21	60-302	Air Valve Poppet
3	33-2201	Fluid Nozzle Body	22	60-125	Seal*
4	98-8024	O-Ring*	23	61-1003	Air Valve Spring*
5	60-J31C	Nozzle Body Carrier	24	60-119	Seal*
6	60-123	Seal*	25	60-201	Rear Bushing
7	60-32C	Air Cap Adapter	26	60-204	Needle Return Spring*
8	60-131	O-Ring*	27	60-205	Spring Seat*
9	60-124	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	60-1123	Jaguar Gun Body Conventional	32	51-401 Standard 700 mL	Gravity Feed Cup (Aluminum)
14	98-0109	Allen Plug		51-400 Optional 700 mL	Gravity Feed Cup (Plastic)
15	See Air Cap Chart	Fan Control Assembly**		51-403 Optional 1000 mL	Gravity Feed Cup (Aluminum)
16	See Air Cap Chart	Fluid Needle**	33	51-418	Gravity Cup Lid (401 & 403)
17	60-1400	Needle Seal*		51-413	Gravity Cup Lid (400)
18	60-1033	Trigger Pivot Set			

**See air cap selection chart on page 1

*Indicates part included in repair kit # 10-105

FLUID NOZZLE / AIR CAP SELECTION CHARTS

JAGUAR Series 300C - Gravity Feed Guns

J300C CONVENTIONAL SPRAY GUN

MATERIAL TYPE	FLUID ORIFICE x AIR CAP	MAXIMUM PATTERN WIDTH	CFM
Very Thin less than 16 sec. Zahn #2 inks , dyes, solvents, stains	0.8 mm x 2010	12	10.3
	1.0 mm x 2010	12	10.3
Thin 16 to 20 sec. Zahn #2 lacquers, enamels, primers, sealers	0.8 mm x 2010	12	10.3
	1.0 mm x 2010	12	10.3
	1.3 mm x 2013	12	10.3
Medium 21 to 30 sec. Zahn #2 automotive base coat enamels, primers epoxies, urethanes automotive clear coat	1.3 mm x 2013	12	10.3
	1.4 mm x 2014	12	10.3
	1.6 mm x 2016	12	10.3
Heavy over 30 sec. Zahn #2 heavy body primers high solid enamels high solid automotive coatings adhesives	1.4 mm x 2014	12	10.3
	1.6 mm x 2016	12	10.3



CP-J300C



CP-J300C-PPS



CP-J300C-(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-J300C-(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

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