<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>AIR CAPS</th>
<th>*MAX GUN INLET PRESS. FOR HVLP</th>
<th>FAN CONTROL</th>
<th>SCFM @ MAX GUN INLET</th>
<th>AIR CAP RING</th>
<th>STANDARD IN CAT PACK</th>
<th>AVAILABLE FLUID NOZZLES TIPS</th>
<th>NEEDLES / marking on needle</th>
</tr>
</thead>
<tbody>
<tr>
<td>190-1090</td>
<td>15</td>
<td></td>
<td>6</td>
<td>21-1001</td>
<td></td>
<td></td>
<td>31-0205 0.5mm (.020&quot;)</td>
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<tr>
<td>190-1091</td>
<td>15</td>
<td></td>
<td>8</td>
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<td>31-0208 0.8mm (.022&quot;)</td>
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<tr>
<td>190-1092</td>
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<td>8</td>
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<td>31-0210 1.0mm (.040&quot;)</td>
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<tr>
<td>190-1093</td>
<td>18</td>
<td>60-1502 (#2)</td>
<td>10</td>
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<td>21-1001</td>
<td></td>
<td>31-0212 1.2mm (.046&quot;)</td>
<td>W, W-PPS</td>
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<tr>
<td>190-1094</td>
<td>33</td>
<td></td>
<td>13</td>
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<td>31-0213 1.3mm (.052&quot;)</td>
<td>A, A-PPS</td>
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<tr>
<td>190-1095</td>
<td>50</td>
<td></td>
<td>22.5</td>
<td></td>
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<td></td>
<td>31-0214 1.4mm (.055&quot;)</td>
<td>W, W-PPS</td>
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<tr>
<td>190-1097</td>
<td>50</td>
<td></td>
<td>22.5</td>
<td></td>
<td></td>
<td></td>
<td>31-0215 1.5mm (.059&quot;)</td>
<td>W, A, PPS</td>
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<tr>
<td>31-0216</td>
<td>1.6mm (.063&quot;)</td>
<td></td>
<td>21-1001</td>
<td>31-0217 1.7mm (.070&quot;)</td>
<td>W, A, PPS</td>
<td></td>
<td>40-1100 (100)</td>
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</tr>
</tbody>
</table>

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
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.
ITEM NO. | PART NO. | DESCRIPTION | ITEM NO. | PART NO. | DESCRIPTION
--- | --- | --- | --- | --- | ---
1 | See Air Cap Chart | Air Cap Ring** | 19 | 60-2101 | Trigger
2 | See Air Cap Chart | Air Cap** | 20 | 60-1520 | Air Valve Assembly
3 | See Air Cap Chart | Fluid Tip** | 21 | 60-302 | Air Valve Poppet
4 | 31-1201 | Fluid Nozzle Body | 22 | 60-125 | Seal*
5 | 60-J11H | Nozzle Body Carrier | 23 | 61-1003 | Air Valve Spring*
6 | 60-123 | Seal* | 24 | 60-119 | Seal*
7 | 60-12H | Air Cap Adapter | 25 | 60-201 | Rear Bushing
8 | 60-131 | O-Ring* | 26 | 60-204 | Needle Return Spring*
9 | 60-124 | Seal* | 27 | 60-205 | Spring Seat*
10 | 60-130 | Seal* | 28 | 60-202 | Fluid Control Knob*
11 | 60-118 | Locknut | 29 | 60-1510 | Inlet Air Control (Optional)
12 | 60-127 | Fluid Inlet | 30 | 60-122 | Plug
13 | 60-1113 | Jaguar Gun Body HVLP | 31 | 60-104 | Air Inlet Fitting
14 | 98-0109 | Allen Plug | 32 | 51-401 Standard 700 mL | Gravity Feed Cup (Aluminum)
15 | See Air Cap Chart | Fan Control Assembly** | 33 | 51-418 | Gravity Cup Lid (401 & 403)
16 | See Air Cap Chart | Fluid Needle** | 34 | 51-413 | Gravity Cup Lid (400)
17 | 60-1400 | Needle Seal* | 35 | 51-400 Optional 700 mL | Gravity Feed Cup (Plastic)
18 | 60-1033 | Trigger Pivot Set | 36 | 51-403 Optional 1000 mL | Gravity Feed Cup (Aluminum)

**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

<table>
<thead>
<tr>
<th>MATERIAL TYPE</th>
<th>FLUID ORIFICE x AIR CAP</th>
<th>MAXIMUM PATTERN WIDTH</th>
<th>CFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Thin</td>
<td>0.5, 0.8 mm x 1090</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>0.5, 0.8 mm x 1092</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>Thin</td>
<td>1.0, 1.2 mm x 1092</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>1.0, 1.2 mm x 1093</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>Medium</td>
<td>1.3, 1.4, 1.5 mm x 1093</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>1.3, 1.4, 1.5 mm x 1095</td>
<td>12</td>
<td>22.5</td>
</tr>
<tr>
<td></td>
<td>1.3, 1.4, 1.5 mm x 1097</td>
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<td>Heavy</td>
<td>1.6, 1.7 mm x 1095</td>
<td>12</td>
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</tr>
<tr>
<td></td>
<td>1.6, 1.7 mm x 1097</td>
<td>13</td>
<td>22.5</td>
</tr>
</tbody>
</table>

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
- 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
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