# Parts Replacement/Maintenance

## Chart 1 – Air Caps

<table>
<thead>
<tr>
<th>ORDER NO. FOR AIR CAP</th>
<th>APPLICATION</th>
<th>NUMBER ON CAP</th>
<th>RECOMMENDED INLET PRESSURE BAR/PSI</th>
<th>AIR FLOW LPM/SCFM</th>
<th>RECOMMENDED FLUID TIP (MM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>702723 (HVLP)</td>
<td>Basecoats – Solvent &amp; Waterborne</td>
<td>202</td>
<td>1.2-1.5 bar 18-22 psi</td>
<td>382-434 LPM</td>
<td>13.5-15.5 SCFM</td>
</tr>
<tr>
<td>702724 (HVLP)</td>
<td>Clears, Single Stages, Waterborne Basecoats</td>
<td>909</td>
<td>1.5-1.8 bar 22-26 psi</td>
<td>396-453 LPM</td>
<td>14-16 SCFM</td>
</tr>
<tr>
<td>703062 (High Efficiency)</td>
<td>Basecoats – Solvent &amp; Waterborne, Clears, Single Stages</td>
<td>7E7</td>
<td>1.1-1.5 bar 16-22 psi</td>
<td>255-312 LPM</td>
<td>9-11 SCFM</td>
</tr>
</tbody>
</table>

**NOTE 1:** Guns with HVLP caps must not exceed 0.7 bar (10 psi) air cap pressure with gun fully triggered. (Approximately 26 psi gun inlet pressure.) (See accessories for air cap test kits which are available to set the exact cap pressure.) Compliance with SCAQMD and other air regulatory agencies requires gun inlet pressure not to exceed 1.5 bar (22 psi) with gun fully triggered when the high efficiency cap is used. Gun inlet pressure may be adjusted as required to any desired value in areas not requiring EPA compliance.

**NOTE 2:** When removing air cap from retaining ring, don’t remove slip ring (2) or retaining ring seal (5) from retaining ring. Damage to the parts may occur. Slip ring and retaining ring seal are not available as replacements. Simply wipe parts clean and reassemble with new or clean air cap.

## Chart 2 – Fluid Nozzle & Fluid Needles

<table>
<thead>
<tr>
<th>NO. ON FLUID NOZZLE</th>
<th>TIP SIZE I.D. (MM)</th>
<th>NO. ON FLUID NEEDLE (TO MATCH FLUID NOZZLE)</th>
<th>ORDER NO. FOR NOZZLE &amp; NEEDLE SET</th>
</tr>
</thead>
<tbody>
<tr>
<td>SN-37-11</td>
<td>1.1</td>
<td>SN-38-11</td>
<td>702711</td>
</tr>
<tr>
<td>SN-37-12</td>
<td>1.2</td>
<td>SN-38-12</td>
<td>702712</td>
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<tr>
<td>SN-37-13</td>
<td>1.3</td>
<td>SN-38-13</td>
<td>702713</td>
</tr>
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<td>SN-37-14</td>
<td>1.4</td>
<td>SN-38-14</td>
<td>702714</td>
</tr>
<tr>
<td>SN-37-15</td>
<td>1.5</td>
<td>SN-38-15</td>
<td>702715</td>
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**NOTE:** When replacing the fluid nozzle or fluid needle, replace both at the same time. Lightly lubricate the threads of the fluid nozzle before reassembling. Torque to 18–20 nm (13–15 ft-lbs). Don’t over tighten the fluid nozzle. Use 10 mm wrench supplied with gun.
### Table of Parts

<table>
<thead>
<tr>
<th>REF. NO.</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Air Cap Retaining Ring</td>
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</tr>
<tr>
<td>2</td>
<td>Slip Ring</td>
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<tr>
<td>3</td>
<td>Air Cap</td>
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<tr>
<td>4</td>
<td>Air Cap Retaining Clip</td>
<td>191972</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Retaining Ring Seal</td>
<td></td>
<td>1</td>
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<tr>
<td>6</td>
<td>Air Cap &amp; Ring</td>
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<tr>
<td>7</td>
<td>Air Cap Retaining Ring &amp; Seals</td>
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<tr>
<td>8</td>
<td>Fluid Nozzle</td>
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<td>9</td>
<td>Air Separator</td>
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<td>*10</td>
<td>Air Separator Seal (kit of 2)</td>
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<tr>
<td>11</td>
<td>Air Separator &amp; Seal Kit</td>
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<tr>
<td>*12</td>
<td>Body Bushing Gasket</td>
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<td>13</td>
<td>Body Bushing</td>
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<td>14</td>
<td>Body Bushing &amp; Gasket</td>
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<td>15</td>
<td>Fluid Needle</td>
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<tr>
<td>*16</td>
<td>Needle Spring</td>
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<td>*17</td>
<td>Needle Spring Pad</td>
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<td>18</td>
<td>Fluid Adjusting Knob</td>
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<td>Fluid Adjusting Knob, Spring, &amp; Pad Kit</td>
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<td>*20</td>
<td>Retaining Clip</td>
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<td>21</td>
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<td>*22</td>
<td>O-ring</td>
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<td>Spreader Valve Adjusting Knob</td>
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<td>*24</td>
<td>Spreader Valve Pin</td>
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<td>25</td>
<td>Spreader Valve Assembly</td>
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### Table of Other Parts

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<tr>
<td>*26</td>
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<td>Packing Spring</td>
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<td>Packing Nut</td>
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<td>29</td>
<td>Packing, Spring &amp; Packing Nut Kit</td>
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<td>30</td>
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<td>Air Valve Cage</td>
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<td>Air Valve Poppet</td>
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<td>33</td>
<td>Air Valve Spring</td>
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<td>Air Valve Spring Pad</td>
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<td>36</td>
<td>Air Valve Assembly</td>
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<td>38</td>
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<td>Trigger, Stud &amp; Screw Kit</td>
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<td>43</td>
<td>Colour ID Ring Kit (4 Colours)</td>
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<td>Gun Body</td>
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</table>

### Other Salable Parts / Accessories

- **Wrench (10 & 14mm)**: 702740
- **Seal and Pin Kit (Kit of 5)** (Items 20, 22 and 24): 192229
- **Air Adjusting Valve**: 702737

* The TEKNA Spray Gun Repair Kit (702736) contains all the parts indicated with an asterisk.

**Notes:**
- Fluid Nozzle: Torque to 18–20 nm (13–15 ft-lbs)
- Air Inlet: Torque to 20 nm (15 ft-lbs)
- Use medium strength thread sealant (i.e. Devcon #2242 blue, or equivalent) on threads.
- For parts 20, 22 and 24, replace with a new kit.
- For parts 702725, 702728 and 702729, replace with a new kit.
- For parts 36 and 702731, use a new kit if necessary.