Marlow Series 530 SC
Close Coupled Base Mounted Centrifugal Pump Kits
ASSEMBLY INSTRUCTIONS
All necessary pump components are included in the kit furnished. For proper assembly follow these instructions:

1. Mount Shaft Sleeve onto motor shaft using sealant included in Sleeve Kit. Apply sealant to complete circumference of shaft to insure watertight seal.

2. Slide Water Slinger over Shaft Sleeve and locate near the Sleeve edge closest to the motor.

3. Mount the Motor Bracket assembly to motor using motor bracket capscrews. Tighten per torque chart.

4. Press seal insert in Motor Bracket assembly. Moisten the inner diameter of the seal assembly with soapy water and press seal firmly in place. Carbon seal face must be tight against the ceramic insert. Apply small end of tapered spring on seal.

5. Make certain that the impeller has been properly cut to size for required GPM and feet of head and balanced. Slide impeller into motor shaft until it bottoms against the shaft sleeve shoulder. Install Impeller Key in slot. Fasten the impeller using (1) capscrew, (1) internal lockwasher and (1) large impeller washer. Make certain that the capscrew is tightened to 10-14 foot pounds on 1” shaft motors and 25-34 foot pounds on 1¼” motors.

6. Mount the Volute Gasket and Volute to the motor bracket assembly using the Volute Capscrews. Tighten per torque chart.

7. Complete all nameplate data and affix to Volute.

8. Install warning decals per figure.


10. Affix Installation & Service Instruction Sheet P81567.

**IMPORTANT:** The Series 530 SC pump kits are to be assembled by qualified personnel only.

Any question regarding the assembly procedure should be referred to the Goulds Water Technology / Marlow service manager.
<table>
<thead>
<tr>
<th>Capscrew Type</th>
<th>Head Marking</th>
<th>1/4</th>
<th>5/16</th>
<th>3/8</th>
<th>7/16</th>
<th>1/2</th>
<th>5/8</th>
<th>3/4</th>
<th>7/8</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE Grade 2</td>
<td>6</td>
<td>13</td>
<td>25</td>
<td>60</td>
<td>120</td>
<td>120</td>
<td>190</td>
<td>210</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Brass Stainless Steel</td>
<td>4 or 10</td>
<td>17</td>
<td>42</td>
<td>83</td>
<td>83</td>
<td>130</td>
<td>200</td>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAE Grade 5</td>
<td>10</td>
<td>20</td>
<td>35</td>
<td>90</td>
<td>180</td>
<td>180</td>
<td>325</td>
<td>525</td>
<td>800</td>
<td></td>
</tr>
</tbody>
</table>