



# Assembly, Disassembly & Cleaning Instructions

## 545 Flow Control Beer Faucet

U.S. Patent #8,066,257



**P**erlick's Perl 500 Series faucets are unique in both appearance and function. The revolutionary Perl ball and floating O-ring design eliminates the need for a valve shaft. Beer is not exposed to air so the handle lever doesn't stick and there is no build up of mold and bacteria in the faucet body. The polished interior produces a smooth flow with less foaming, ensuring the perfect pour each and every time. They have fewer internal parts for better reliability and fewer service calls. In addition, the new design of the compensator allows mounting of the 545 Perl to an American shank without the need for an adapter. The flow compensator provides an improved, stable flow control design set inside of faucet body, not inside the shank.

## Cleaning Instructions for the *Perl* 545 Faucet

Before using your new Perl faucet, clean the faucet as you would for regular cleaning (see cleaning instructions below.) This will ensure that the faucet is clear of any materials that may be present from the manufacturing process. This faucet will fit all standard North American shanks.

We recommend that the faucet be cleaned when the beer system is cleaned. Regular cleaning of the faucet is extremely important. The faucet can be cleaned "in place" by simply pumping your cleaning solution through the beer system and the "opened" beer faucet. There is no need to remove or disassemble the faucet! By leaving the faucet installed, the cleaning solution will thoroughly clean all internal parts including the floating O-ring and its' groove.

If your specific cleaning procedure requires removing the faucet from the dispensing head, remove faucet and soak the faucet in cleaning solution for 15 minutes. Use a faucet brush if necessary. Rinse with clean warm water and install back on the dispensing head. See back page for disassembly and assembly instructions.

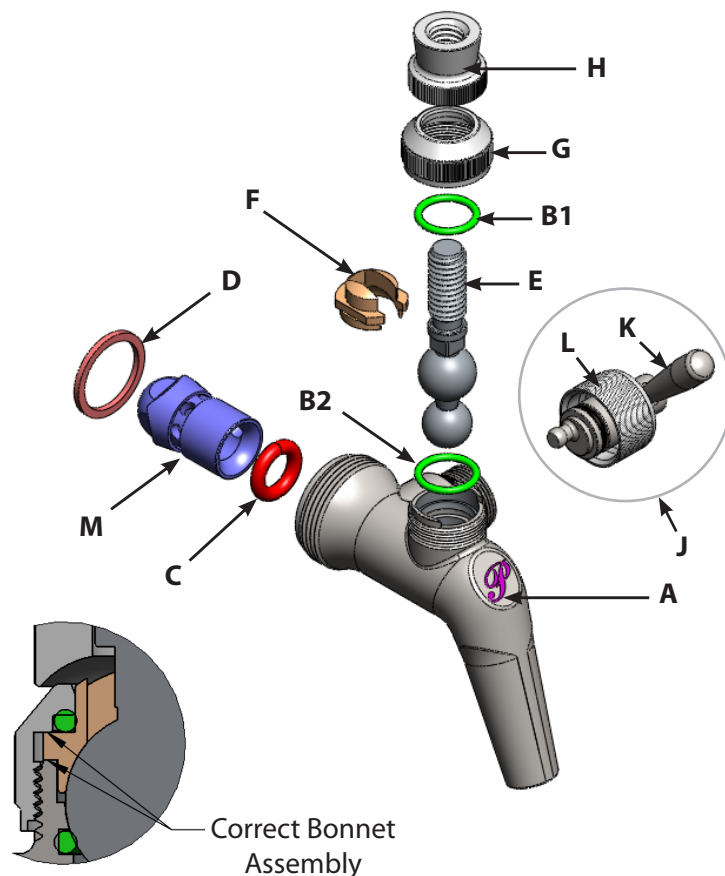
## Troubleshooting

Symptom	Possible Cause	Possible Solution
Faucet drips or leaks from the spout	<ul style="list-style-type: none"> <li>O-ring (C) is damaged or worn</li> <li>Handle Lever (E) is damaged</li> <li>Bearing Cup (F) is not installed properly</li> </ul>	<ul style="list-style-type: none"> <li>Replace O-ring</li> <li>Replace handle lever</li> <li>Reinstall bearing cup</li> </ul>
Faucet leaks from bonnet	<ul style="list-style-type: none"> <li>O-ring (B2) is not installed properly in O-ring groove</li> <li>O-ring (B2) may be damaged</li> </ul>	<ul style="list-style-type: none"> <li>Reinstall O-ring properly</li> <li>Replace O-ring</li> </ul>
Faucet leaks at the shank	<ul style="list-style-type: none"> <li>Faucet not connected tightly</li> <li>Bad coupling gasket (D)</li> </ul>	<ul style="list-style-type: none"> <li>Tighten coupling nut</li> <li>Replace coupling gasket</li> </ul>
Beer pours in a semi-circular shape	<ul style="list-style-type: none"> <li>CO2 may be low or turned off</li> </ul>	<ul style="list-style-type: none"> <li>Check and adjust CO2 pressure</li> </ul>
Faucet cannot be removed from shank	<ul style="list-style-type: none"> <li>May not have been removed recently</li> </ul>	<ul style="list-style-type: none"> <li>Pour hot water on the coupling nut on the shank to loosen it</li> </ul>

# Disassembly and Assembly Instructions

## for the *Perl* 545 Faucet

Item #	Description	Replacement Part No.
A	Faucet body	(not available for reorder)
B1/B2	O-ring	425-8
C	O-ring	43838
D	Coupling gasket	308-3-2P
E	Handle lever	68157-1
F	Bearing cup	67382-1
G	Compression bonnet	67428-1
H	Handle jacket	402A-16
J	Flow control lever assembly	(not available for reorder)
K	Lever for flow control lever assembly	(not available for reorder)
L	Nut for flow control lever assembly	(not available for reorder)
M	Compensator	(not available for reorder)



**Follow these instructions if you need to take the faucet apart to replace worn O-rings or the bearing cup. An instructional video is also available under the Perl TV tab at Perlick.com.**

### TO DISASSEMBLE:

1. If faucet is USED, soak faucet in warm cleaning solution for 15-20 minutes to free up bonnet and handle jacket. If the faucet is NEW, submerge the faucet in warm water for 5 seconds.
2. Unscrew and remove **Jacket (H)**.
3. Unscrew and remove **Bonnet (G)**.
4. To remove **Flow Control Lever Assembly (J)**, turn the **Lever (K)** to OPEN position. Unscrew **Nut (L)** and remove Flow Control Assembly.
5. Remove **Coupling Gasket (D)** only if cut or worn.
6. Remove **Compensator (M)** from the **Body (A)**.
7. To remove the **Handle Lever (E)**, lift it upward and push back.
8. To remove front **O-ring (C)** use a small screwdriver from the bonnet end of the faucet.
9. To remove **O-ring (B2)** from the bonnet end, use a small screwdriver from the back end of the faucet.

### TO ASSEMBLE:

1. Re-install **O-ring (B2)** into o-ring groove from bonnet end (use a small blunt screwdriver).
2. Re-install front **O-ring (C)** into o-ring groove (use a small blunt screwdriver). Note, O-ring must move freely in o-ring groove.
3. Re-install **Handle Lever (E)** to the **Body (A)**.
4. Re-install **Bearing Cup (F)** and **O-ring (B1)**.
5. Re-install **Compression Bonnet (G)**, Tighten by hand only. Do not use any tool, as this can damage the faucet.
6. Re-install **Handle Jacket (H)**.
7. Re-install **Compensator (M)** and **Flow Control Lever Assembly (J)**. Put Flow Control Handle in CLOSED POSITION.
8. Re-install **Coupling Gasket (D)** if removed.

