

Perko 0493DP599L

Perko Cover Bolt Complete User Manual

Model: 0493DP599L

1. PRODUCT OVERVIEW

The Perko Cover Bolt Complete is a replacement component designed for use with Perko intake water strainers. This assembly includes the hinged cover bolt, pin, nut, and washer, essential for securely fastening the strainer cover. It is available in sizes 4 and 5, ensuring compatibility with various Perko strainer models.

This product is specifically the bolt assembly and does not include the full strainer unit. It serves as a direct replacement for worn or damaged original bolts, restoring the functionality and integrity of your water strainer system.

2. PRODUCT COMPONENTS

The Perko Cover Bolt Complete package includes the following components:

- **Hinged Cover Bolt:** The main threaded shaft that secures the strainer cover.
- **Pin:** Used to attach the hinged bolt to the strainer body.
- **Nut:** A wing nut for easy hand-tightening and loosening of the bolt.
- **Washer:** Provides a secure seating surface for the nut.



Image 2.1: An example of a Perko water strainer with the cover bolt assembly (product) shown in context. The product itself is the bolt, pin, nut, and washer, not the entire strainer unit.

3. INSTALLATION INSTRUCTIONS

Follow these steps to install the Perko Cover Bolt Complete:

1. **Safety First:** Before beginning installation, ensure that the water supply to the strainer is completely shut off and the system is depressurized. This prevents accidental water flow and potential injury.
2. **Remove Old Bolt (if applicable):** If replacing an existing bolt, carefully remove the old nut, washer, and pin. Detach the old hinged bolt from the strainer body.
3. **Clean Area:** Inspect the area where the bolt attaches to the strainer. Clean any debris or corrosion to ensure a proper fit.
4. **Insert New Pin:** Align the new hinged cover bolt with the designated holes on the strainer body. Insert the pin through the bolt and the strainer's hinge points to secure the bolt in place.
5. **Attach Washer and Nut:** Once the strainer cover is in place, thread the washer onto the bolt, followed by the wing nut.

6. **Secure the Cover:** Hand-tighten the wing nut until the strainer cover is firmly secured. Do not overtighten, as this can damage the bolt or the strainer.



Image 3.1: A Perko water strainer with its cover securely fastened by the cover bolt assembly. This image illustrates the final installed state.

4. OPERATING INSTRUCTIONS

The Perko Cover Bolt Complete is designed for straightforward operation to secure and release the strainer cover.

- **To Secure the Cover:** Once the strainer basket is properly seated and the cover is aligned, swing the hinged bolt over the cover. Thread the washer and wing nut onto the bolt and hand-tighten until the cover is snug and sealed. Ensure the cover is evenly seated to prevent leaks.
- **To Open the Cover:** Before opening, ensure the water supply to the strainer is off. Loosen the wing nut by hand until it can be removed along with the washer. Swing the hinged bolt away from the cover, then carefully lift the cover to access the strainer basket.

5. MAINTENANCE

Regular maintenance of the Perko Cover Bolt Complete ensures its longevity and proper function:

- **Inspection:** Periodically inspect the bolt, pin, nut, and washer for signs of wear, corrosion, or damage. Look for stripped threads on the bolt or nut, or bending in the pin.
- **Cleaning:** If the bolt assembly becomes dirty or corroded, clean it with a mild soap and water solution. For brass components, a brass cleaner can be used, but ensure it is safe for marine environments if applicable. Rinse thoroughly.
- **Lubrication:** A light application of a marine-grade lubricant or anti-seize compound on the bolt threads can prevent galling and make future removal easier, especially in saltwater environments.
- **Replacement:** If any component of the bolt assembly shows significant wear, damage, or corrosion that compromises its integrity or function, replace the entire Perko Cover Bolt Complete to maintain system reliability.

6. TROUBLESHOOTING

Common issues and their solutions related to the Perko Cover Bolt Complete:

Problem	Possible Cause	Solution
Bolt difficult to tighten/loosen	Corrosion on threads, stripped threads, overtightening.	Clean threads and apply lubricant. If threads are stripped, replace the bolt assembly. Avoid overtightening.
Strainer cover leaks	Cover not seated properly, damaged gasket (not part of this product), insufficient tightening.	Ensure cover is aligned and seated correctly. Check strainer gasket for damage and replace if necessary. Tighten bolt firmly but do not overtighten.
Bolt appears bent or damaged	Physical impact, excessive force during tightening/loosening.	Replace the entire Perko Cover Bolt Complete assembly.

7. SPECIFICATIONS

Attribute	Detail
Product Name	Perko Cover Bolt Complete (Sizes 4 and 5)
Brand	Perko
Model Number	0493DP599L
Fastener Type	Bolt, Plug
Material	Plastic
Color	Bronze
Package Dimensions	6.97 x 2.91 x 0.59 inches (18.0 H x 7.5 W x 1.5 L cm)

Attribute	Detail
Package Weight	0.71 ounces (0.026 kilograms)
Country of Origin	United States
Manufacturer	Acr Electronics

Note on Material: While the product is typically associated with marine bronze/brass components, the provided specifications list "Plastic" for material. Users should verify the specific material of their purchased product if this is a critical factor.

8. WARRANTY AND SUPPORT

Specific warranty information for the Perko Cover Bolt Complete (Model 0493DP599L) is not provided in the product details. For warranty claims, technical support, or further assistance, please contact Perko directly or the authorized retailer from whom the product was purchased.

You may find contact information on the official [Perko website](#) or through your product's original packaging.

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