

Surevalve™ Installation Instructions

Compliments of HCW Services Inc.

1. Open your Surevalve™ Kit. You should have 4 assembled Surevalves™, 8 shims, 2 extra outer break-away stems or 4 caps depending on the kit you have purchased, and 4 additional rubber grommets.
2. In order to install the Surevalve™, you will need to disassemble it. To disassemble the Surevalve™, do the following steps. First remove the outer break-away stem. Next, remove the nut then the washer. Finally, remove the rubber grommet leaving just a base valve.
3. Install one or two shims depending on your rim's thickness with the concave part facing away from the base of the valve. We want to shim the Surevalve™ as low as possible in the rim for greater protection of the valve core. Most applications will take the two shims.
4. Install the correct rubber grommet. There are two sizes, choose the one that fits your rim. The grommet which comes installed on the Surevalve™ is the most common size. The grommet's smaller end should face upwards towards the top of the base valve.
5. Install the base valve in the rim from the inside facing out and use a 3/16 hex wrench to hold the valve from spinning during the installation process.
6. Install the washer and nut on the base valve after it is positioned in the rim. We recommend that a drop of blue loctite be used on the nuts. Tighten the nut with a 9/16 socket or wrench until you feel the hex wrench giving you tension (trying to spin) while holding it tight. The Surevalve™ base valve must be installed very tight to squash the rubber grommet and create an air tight seal.
7. Install the outer break-away stem. Install the stem until it bottoms out then give it a three quarter turn with a 1/2 inch wrench or socket. There should be a small gap between the nut and the upper break-away stem, make sure you don't over tighten the outer stem. Install the tire and fill it to the proper pressure. Check the Surevalve™ with a soap and water mix for any leaks. If a leak is detected at the valve tighten the 9/16 nut some more this normally does not require the tire to be dismounted again. Recheck for leaks and repeat the above procedure until all leaks are gone.
8. If the optional caps are to be installed, after the assembly is leak-checked and the tire is filled to the proper pressure remove the break-away outer stem. Install the cap hand tight then you can give it a three quarter turn with a 1/2 inch socket or wrench if desired.
9. Please remember when using the caps, the outer break-away stem will still be needed in order to check or add air in your tires.

Thank you for purchasing Surevalve™

Surevalve™

