

FuelCel

Light weight composite fuel tanks

CAP ADJUSTMENT AND SEAL REPLACEMENT

CAP ADJUSTMENT

Your cap is designed for lightness, therefore it integrates exclusively into your new FuelCel. The standard OEM caps will not work.

There are two styles in service out in the field today. Prior to mid 2008, the caps used a brown colored fiberglass bar to retain the cap in place. After that time the design was replaced with a metal bar with adjustable tension. The both work similarly but the new one is user adjustable.

When turning the cap into place it should have a nice ramping feel then snap into place. Adjust the screw in the bottom to increase the tension if needed by a 1/16 of a turn at a time. Too tight it could cause premature wear.

If your older style cap is feeling loose, you can replace the bar with the new metal style bar, which is available to anyone with this older cap design. The cap design after 2008 uses a different mechanism and is not interchangeable with the older bezels in the older tanks (pre 2008)

SEAL REPLACEMENT

Use something sharp to carefully pull the old white base seal out of the bezel groove it nests in, same for the o-ring in the cap.

Use a little liquid like hand lotion or oil to help put the o-ring back into the cap. Start by snapping it into the grove at the 6:00 o'clock position, slowly push the o-ring into the groove while packing it back against itself as you move up to the top, this will help keep the o-ring from stretching and not fitting properly. If done right, the o-ring will be smooth and parallel with the adjacent cap surface, this must be right for the cap to seal properly.

When replacing the white base seal, slip the seal into the undercut groove and very carefully introduce more of into the groove. Use something soft like the big end of a toothpick to help it into the groove like a tire iron, when at the end there should only be a little bump left that you need to tuck in. If done correctly it should lay flat. Be very careful as the material is very malleable and can scare, stretch, distort or nick easily.

Check the cap for closing tension as described above afterwards. You can also see a video here that visually explains this process.

<http://www.youtube.com/watch?v=-aYreX9576I>