

SPECIAL “J” / VRP® / VEP™

****NEW LEVEL RETROFIT BULLETIN & INSTRUCTIONS****

As of August 1, 2013 the “Bull’s Eye” level Seraphin® has traditionally used on all Special “J”, VRP®, VEP™, and some small volume provers is being discontinued. The old “Bull’s Eye” level is being replaced with a new twin vial design which is easier to read, will be much more resistant to vibration, shock, and temperature fluctuation, and can easily be replaced in the field or laboratory. The old design requires cutting of weld or solder, drilling of blind rivets, re-riveting, and re-soldering/welding of the bracket onto the prover if replacement is required. We realize that this process requires a specialized skill set and equipment, and it is not realistic to expect this degree of repair be performed properly in the field. Hence our transition to the new twin vial, easy mount level, which simply fastens to the prover with two sealable machine screws, similar to the tube style levels found on our larger provers.

For those with provers constructed after August 1, 2013, your Special “J” / VRP® / VEP™ will be equipped with this new design of level and mounting style. Replacement levels, should they be required, can be purchased under the same PN of “E2-10000”.

The vast majority of Special “J” / VRP® / VEP™ provers in existence have the old style Bull’s Eye level which we no longer support. To allow all of our customers to gain the benefits of the new level design, we have developed a simple retrofit kit, PN “E80566”, which includes all the parts and a drill bit needed to upgrade your prover.

To convert your pre 08/01/13 prover to accept the new level design, purchase one PN E80565 kit for each prover you wish to upgrade and follow these instructions:

1. Remove old level.
 - a. This can be done by grinding the expanded rivets (3) that protrude from the old level , and using a small drift pin, knock out the remaining portion of the rivet, or using a 3/32” drill bit to drill them out. At this point, the old level can be removed and discarded.
2. Drill the old mounting pad for the new level and mount.
 - a. Using the provided #16 drill bit, and the new mount/guard as a template, drill two holes in the old mounting pad, using care so as not to damage the top cone of the prover when the drill bit pops through the old mounting pad.
3. Install the new level and mount/guard.
 - a. Using the provided hardware, bolt the new mounting plate and level to the old mounting pad that was drilled in step 2.
 - b. Snug up the screws so that the level is securely fastened and does not freely move, but not so much as to damage the level or break the screws.
 - c. Using the provided seal, fish the wire through the holes in the screw heads and around the bracket in such a way that the seal and wire would have to be broken to remove the level.

If at any point in the future your new level requires replacement, simply order PN E2-10000 from us, and follow step 3 to replace the damaged level.

For your reference, the following pictures outline the procedures detailed above.

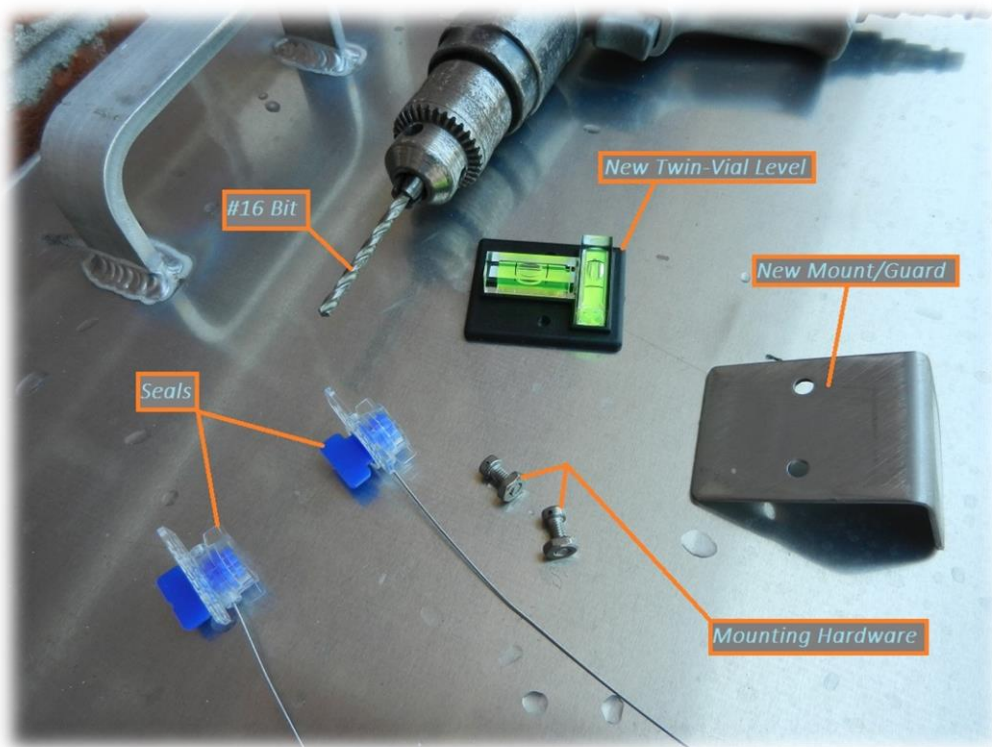


Typical Special "J" type
prover, with obsolete
Bull's Eye Level



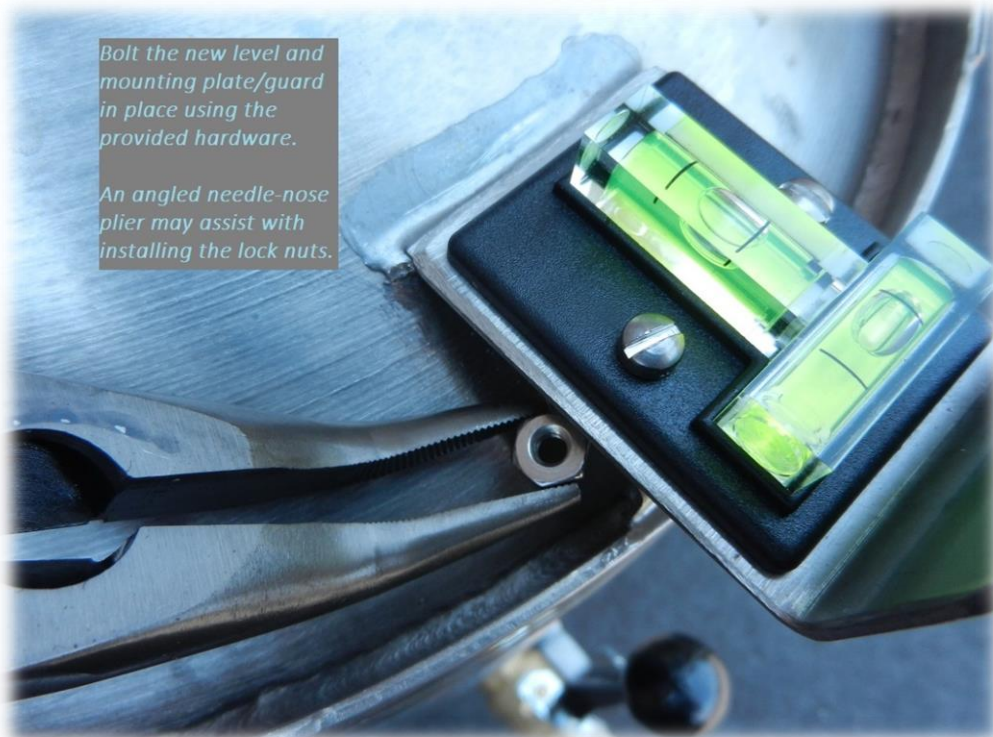
Grind rivets off





Bolt the new level and mounting plate/guard in place using the provided hardware.

An angled needle-nose plier may assist with installing the lock nuts.



Route one of the provided seals through the holes in the heads of the mounting screws, and around both the new and old mounting plates.

Feed the wire back through the Roto-Seal, and use the plastic tab to rotate the seal assembly until the wire is snug.

Break the tab off when finished to prevent tampering.



