



SPUHR ISMS LEVEL REPLACEMENT

The ISMS series of mounts and rings include bubble levels installed into the rear of the mount/ring bodies. The level is secured with two rubber washers and a M8 set screw on the ISMS series of mounts, and two rubber washers and a retainer ring on the SR series of rings.

ISMS Mounts

1. Remove the bubble level (# A-0110) by unscrewing the M8 set screw (# A-0140) counterclockwise, using a 4 mm hex key.
Note: There is a $\varnothing 7$ mm rubber washer (# A-0170) between the M8 set screw and the bubble level. The washer may stick to the set screw as the screw is removed. Be careful not to lose the washer if no replacements are on hand.
2. Insert a 2-3 mm ($\frac{3}{32}$ "- $\frac{1}{8}$ ") punch into the small hole on the left side of the mount and gently push out the bubble level with rubber washers.
3. Position a rubber washer in the bottom of the bubble level cavity.
4. Slide the new bubble level into the bubble level cavity followed by the second rubber washer.
5. Check the rotation of the bubble level then insert the set screw and screw it in one rotation.
6. Tighten the set screw while observing the rubber washer through the small hole on the left side of the mount. When the washer begins to bulge the screw is tight enough.
Tip: To prevent the bubble level from rotating as the set screw is tightened you can place the pad of your thumb against the level.

SR Rings

Tip: Prior to attempting removal or installation of the retainer ring (# A-0155) we recommend that masking tape is applied around the hole to prevent scratches when using hand tools.

1. Remove the bubble level (# A-0111) by prying off the retainer ring using a fine needle-nose plier.
Note: Be careful not to lose/or rupture the $\varnothing 4.5$ mm rubber washer (# A-0190) if no replacements are on hand.
2. Using a pencil eraser or your finger, gently push out the bubble level and rubber washer.
 - a. If needed, using a toothpick or tweezers, remove the inner rubber washer from the bottom of the bubble level cavity.
 - b. Position a new rubber washer in the bottom of the bubble level cavity.
3. Slide the new bubble level into the bubble level cavity followed by the second rubber washer.
4. Check the rotation of the bubble level then insert the retainer ring using a needle nose plier and a punch etc.

Parts Lists

Scope Mounts

A-0110	Vial Clear Liquid 7 mm
A-0112	Vial Green Liquid 7 mm
A-0140	M8 Set Screw
A-0170	Rubber Washer 7x0.5 mm

SR Rings

A-0111	Vial Clear Liquid 5 mm
A-0155	Retainer Ring Vial SR
A-0190	Rubber Washer 4.5x0.5 mm