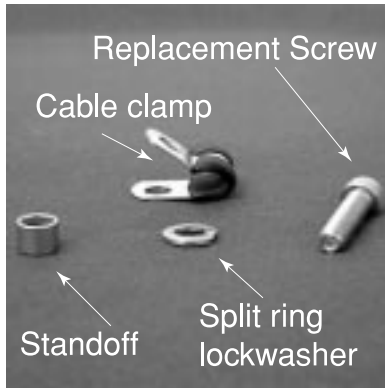


# 6003FIL78K2

# ASSEMBLY INSTRUCTIONS

6003FIL78K2 Waveguide Connector Cable Retrofit

July 1999



6003FIL78K2 Waveguide  
Connector Cable Retrofit Kit

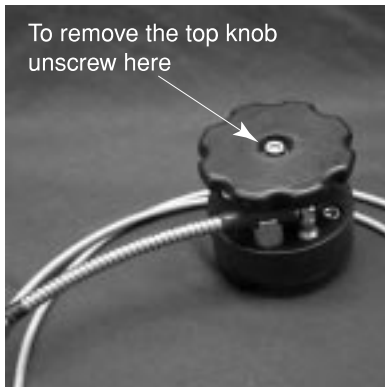
To prevent strain and cable breakage in your waveguide connector, we are including with these instructions a new waveguide connector cable retrofit for you to install. Included in the new cable retrofit package you will find the following items (see photo):

1. Cable clamp, 1 each - Part No. MSL049
2. Standoff, 1 each - Part No. Q2420CAF16
3. Replacement screw (1/4"-20 x 1"), 1 each - Part No. 6002-010
4. Split ring lockwasher (1/4"-20 S.S.), 1 each - RW040CAL

If any of the pieces are missing from your kit, please contact Soilmoisture's Sales Dept.

To install the cable retrofit, you will need the following items:

1. 12-inch ruler
2. Marking pen
3. 3/16-inch Allen wrench
4. Waveguide connector



Remove the top knob from your waveguide connector. Keep all parts as you will need these later to reassemble the connector.



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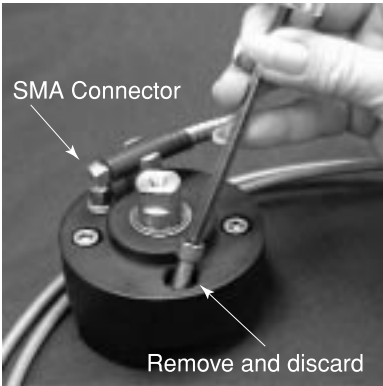
P.O. Box 30025, Santa Barbara, California 93105 USA

Telephone: (805) 964-3525 - Fax: (805) 683-2189 - email: sales@soilmoisture.com





Set the top knob and other small parts of the waveguide connector aside.



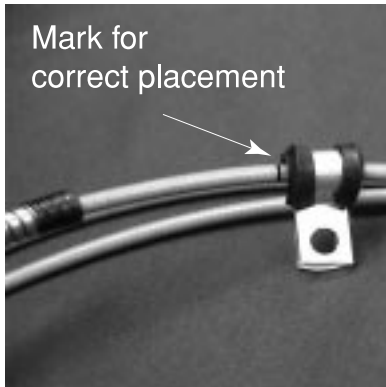
Remove both the screw and flat washer diagonal to the SMA connector and discard. A replacement screw and split ring lockwasher, provided in the retrofit kit, will be used for reassembly.



Using the ruler, measure from the tip of the SMA connector, down the length of the cable to 8.25 inches.



Mark the 8.25 inches you just measured on the cable using the marker. This is where the new cable clamp will be placed.



Place the edge of the new retrofit clamp flush with the mark on the cable, then gently squeeze the clamp so that it fits snugly around the waveguide connector cable.



Insert the new spacer, from the retrofit service kit, into the hole in the connector handle base.



Place the split ring lockwasher on the replacement screw, then insert them into the clamp, as shown.



Screw the clamp into the waveguide connector base.

**CAUTION!** Handtighten only. Do not overtighten the screw as it may strip the threads inside the connector base.



Once the cable clamp is secure, you can now reattach the top knob to your waveguide connector. Be sure to replace all parts in their correct order: First attach the top knob, reinsert the spacer in the top knob, then the flat washer, lockwasher, and lastly, insert screw into the top knob and handtighten.

Your connector is now ready to use.