

# DIGITRAK® Cable Transmitter

## End Cap Rebuild Instructions

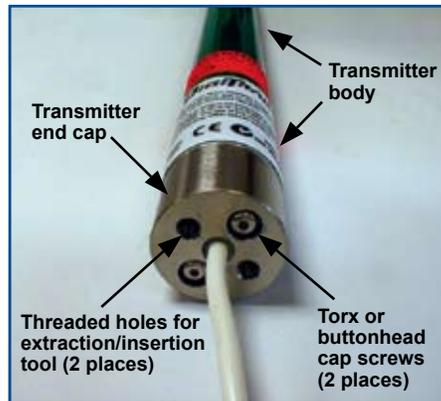
You will need to replace the cable lead and other end cap components in the cable transmitter when the wire shows wear, twists, or abrasions. This involves removing the transmitter end cap to access the cable lead connection to the transmitter base. The Replaceable Wire Kit (DCKIT) includes enough parts to replace the cable lead two times. You will also need a standard screw driver.

The DCKIT contains:

Two cable leads	Four Torx screws
Four lock washers	Four 2-021 O-rings
Two screw insulators	Two 2-106 O-rings
Two brass set screws	Three white nylon set screws
One T15 Torx wrench	One each 5/64", 1/8", and 3/32" Allen wrenches
One tube of Noalox anti-oxidant compound	

To disassemble and reassemble the transmitter end cap:

- Using the 5/64" Allen wrench or the T15 Torx wrench, depending on the screw type installed, remove the two Torx or buttonhead cap screws and lock washers.
- Pull the end cap from the transmitter base.
- Identify the deepest set screw depression in the base. Using the 1/8" Allen wrench or a standard screw driver, remove the white nylon set screw. There will be a brass set screw behind the nylon screw that holds the cable in place. NOTE: Do not tamper with the brass set screw and O-ring located on the opposite side of the base in the shallow depression.



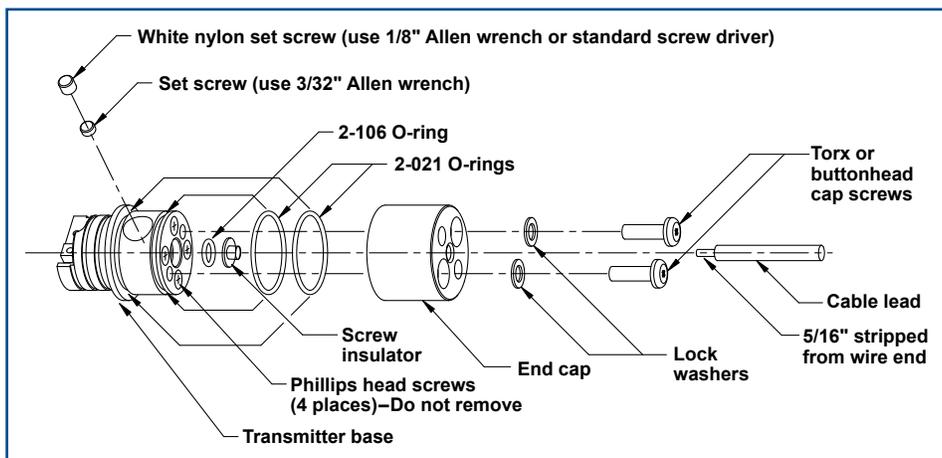
Wireline End of Cable Transmitter

- Using the 3/32" Allen wrench, remove the brass set screw inside the transmitter base that holds the cable lead to the base.
- Remove the old wire, the 2-106 O-ring, and the screw insulator. Removing the old wire from the base may require some force.
- Install a new insulator and 2-106 O-ring onto a new cable lead, and insert the wire in the base. (Be sure that only 5/16" of the wire coating is stripped back

from the end of the tinned cable lead.)

- Install a new brass set screw using the 3/32" Allen wrench. Push the cable lead in while tightening the set screw to ensure a good connection.
- Using the standard screw driver or the 1/8" Allen wrench, install a new white nylon set screw into the side of the transmitter base.
- Install two new 2-021 O-rings.
- Coat the top and sides of the base with a thin layer of Noalox to prevent electrical corrosion (do not substitute with standard grease).
- Replace end cap and line up the screw holes on the base with the nonthreaded holes on the cap.
- Install two new lock washers and Torx screws, and tighten the screws in place using the T15 Torx wrench.

NOTE: Use care when threading the Torx screws into the base to avoid cross threading.



Exploded View of Cable Transmitter Base and End Cap Assemblies



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