

# Installing the SeeSnake Flexmitter™

**Note:** These instructions are for **Self-Leveling SeeSnakes with a S/N of 20-30000 or greater and the "red cable" Compact SeeSnake.**

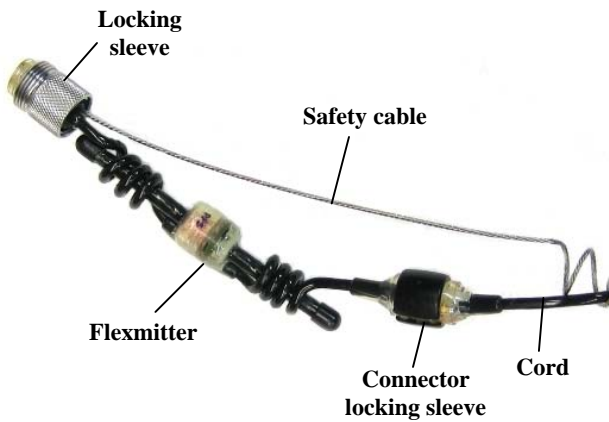
The Flexmitter in-line transmitter is a powerful, miniaturized transmitter that installs inside the spring assembly of your Standard or Mini SeeSnake camera system, just behind the camera head. The Flexmitter transmits a 512Hz radio frequency signal that can be picked up with any compatible receiver, allowing users to pinpoint the camera's position underground.

To activate the Flexmitter, turn the Camera Control Unit's Dimmer/Transmitter Switch all the way to the left until it clicks. When the Flexmitter is active (transmitting a signal), faint interference lines will be visible on the monitor.

**NOTE:** The Flexmitter will not transmit a signal until it has been activated with the Dimmer/Transmitter Switch.

**NOTE:** If you're using an older SeeSnake monitor that doesn't have a Dimmer/Transmitter Switch, you can activate the Flexmitter by turning the power OFF and back ON again. After turning the power OFF, you will need to wait approximately 1 – 3 seconds before turning the power back ON. It may take a few attempts to get the timing right and activate the Flexmitter. You'll know the Flexmitter is transmitting when you see faint interference lines on the monitor.

## Removing the old/failed transmitter and installing the Flexmitter



Parts located inside the spring.



To remove the camera head, align the tab on the spanner wrench with the end of the spring and snap the wrench into (see Figure 1).

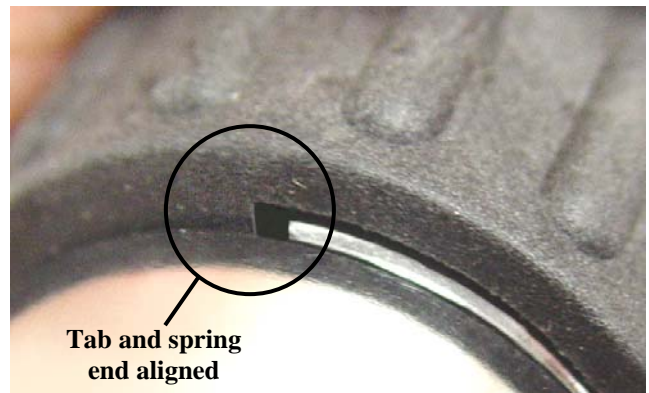
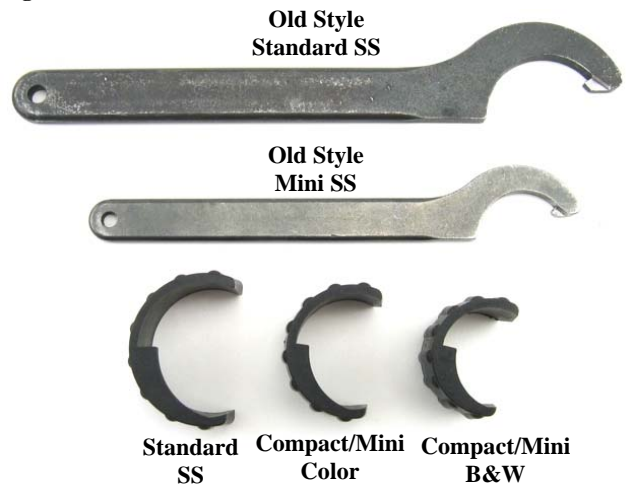


Figure 1



SeeSnake spanner wrenches.



Hold the Spanner Wrench and unscrew the camera head from the spring.  
Note: Turn the camera head not the spring.



Use a fine point flat blade screwdriver to remove the retaining ring, then pull the safety cable & inserts free from the back of the locking sleeve.



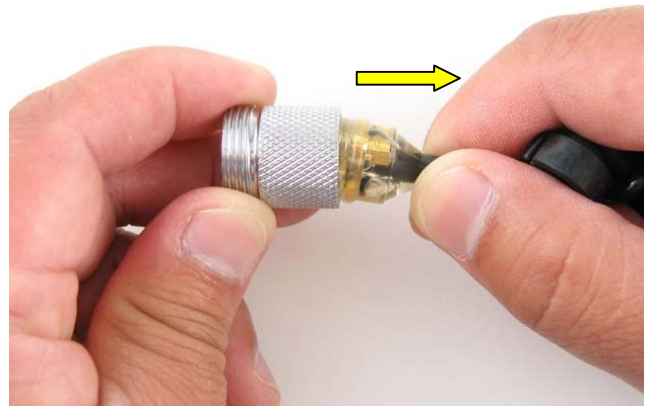
Unscrew the locking sleeve from the back of the camera head and slide it back to expose the connector.



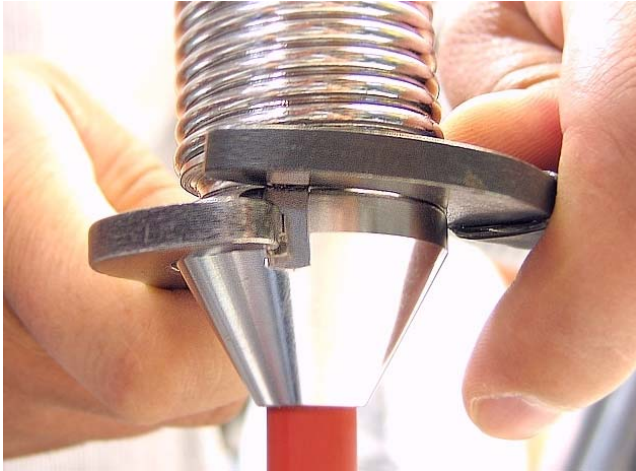
Insert a flat blade screwdriver in between the inserts and twist to separate them. Set them aside for use during assembly.



Unplug the connector at the back of the camera head.



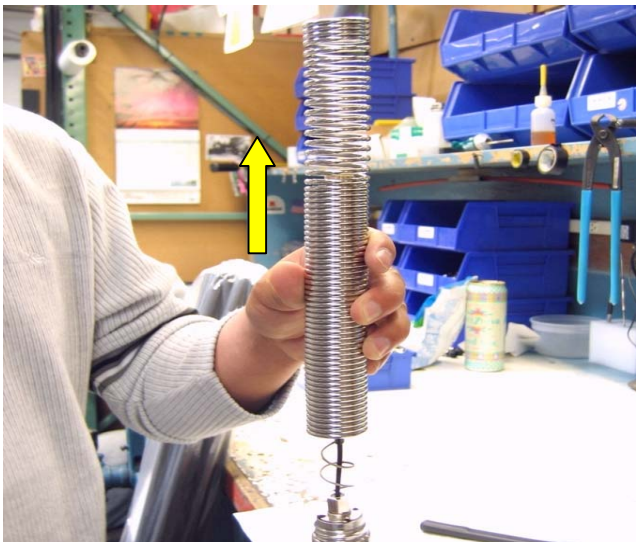
Pull the Flexmitter connector out through the back of the locking sleeve.



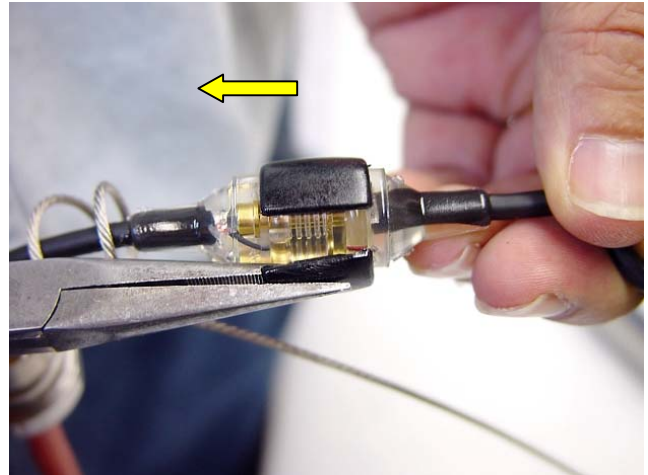
If you are replacing the Flexmitter on the Large SeeSnake, use two of the older style metal spanner wrenches, one to hold the rear spring shell and the other to unscrew the spring.



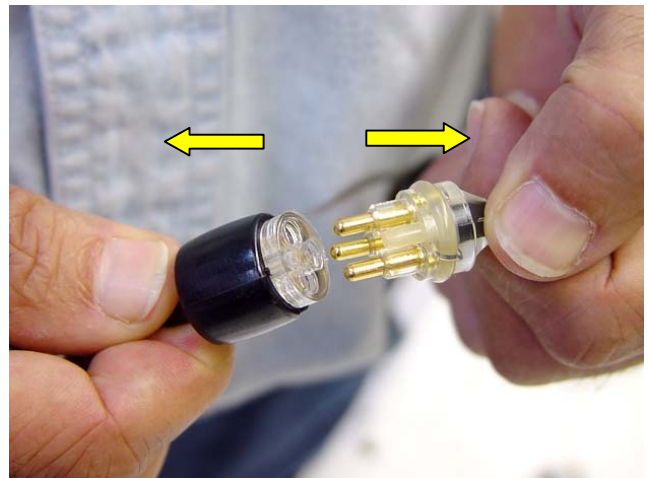
If you are replacing the Flexmitter on the Compact, hold the rear spring shell with a 7/8" wrench and use the old style metal spanner for the mini to unscrew the spring.



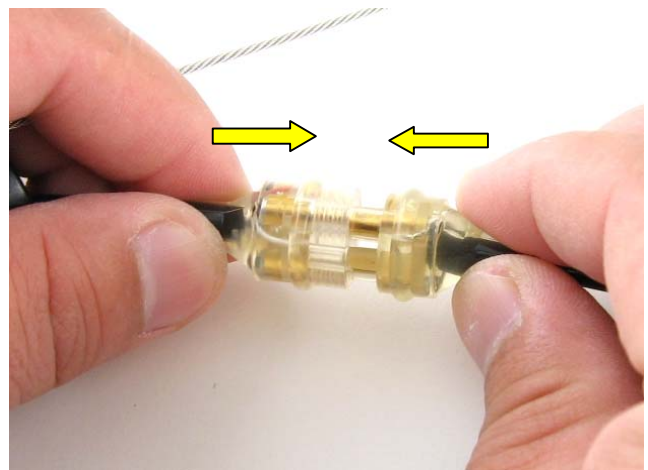
Slide the spring off the cable.



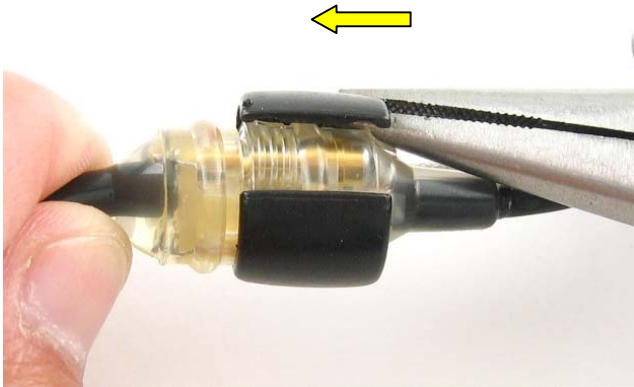
Grasp the connector locking sleeve with a pair of long nose pliers and slide it back (towards the termination), exposing the connection between the cord and Flexmitter.



Unplug the Flexmitter from the cord.



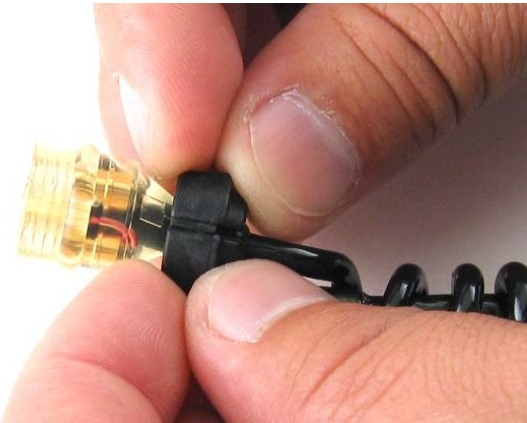
Connect the male connector on the new Flexmitter to the female connector on the cord.



Grasp the connector locking sleeve with a pair of long nose pliers and push it back (away from the termination) over the connection between the cord and Flexmitter.



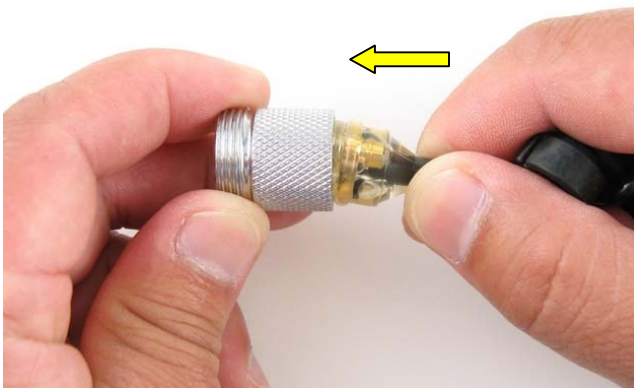
Place the safety cable in the groove on the slotted insert and push the two inserts and safety cable ball into the back of the locking sleeve.



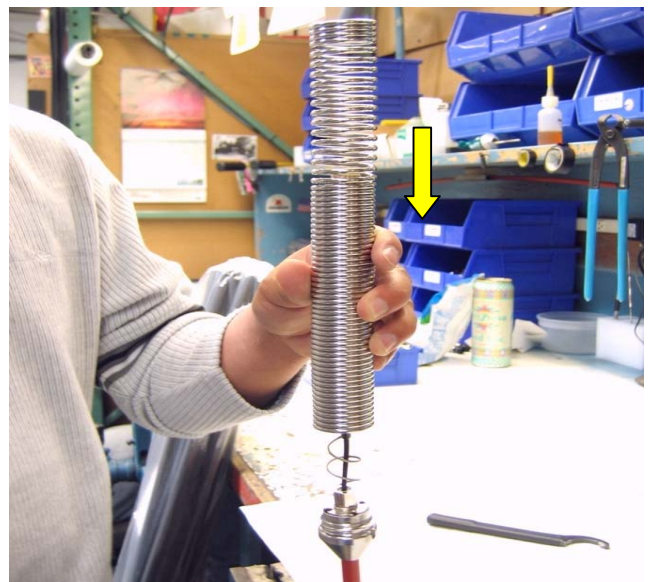
Snap the two inserts together over the female connector on the cord.



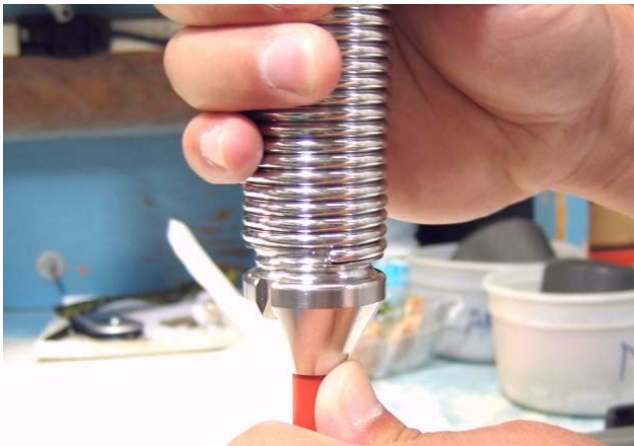
Insert the retaining ring in the back of the locking sleeve. If necessary, use a flat blade screwdriver to complete the installation.



Push the cord connector into and through the back of the locking sleeve.



Slide the spring back on the cable.



**Thread the spring back onto the rear spring shell until it is flush with rear spring shell. DO NOT OVERTIGHTEN!**



**Back-twist the camera head to counteract the twisting that will occur when the camera head is threaded onto the spring. See Figure 2.**



**Plug the Flexmitter connector into the back of the camera head.**

**Clockwise - threading direction**



**Counter Clockwise - back twisting direction**



**Slide the locking sleeve forward and thread it onto the back of the camera head.**



**Thread the camera onto the spring until it is flush with the spring end. DO NOT OVERTIGHTEN!**

If you need further assistance, please call RIDGE Tool Technical Service at 800-519-3456.