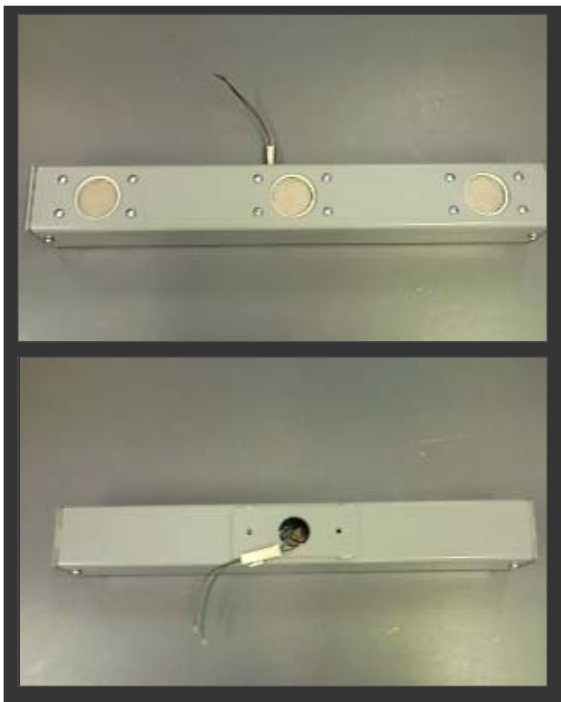


- 7. Re-install the range card in the CS-5100/CS-5100 nose tube such that the connector drops through the hole formerly occupied by the transducer element.
- 8. Clip the connector together (figure 4).



Figure 4. Ensure that the connector is in place properly by listening for the click.

- 9. Stuff the connector and any excess wire into the hammerhead tube.
- 10. Bolt the yoke over the CS-5000/CS-5100 nose tube to retain the Hammerhead tube in a perpendicular orientation.
- 11. Set up your unit using the same procedure described on the sticker inside the NEMA enclosure. This set-up procedure can also be found on our website, [www.coiltek.com](http://www.coiltek.com).



**Installation Problems**

If you find that you are having trouble installing your Hammerhead Kit, please do not hesitate to contact us for assistance. We can be reached at (330) 334-1525.

Thank you for doing business with us.

P.O. BOX 475 WADSWORTH, OH 44691  
 PHONE: (330) 334-1525  
 FAX: (330) 335-4406



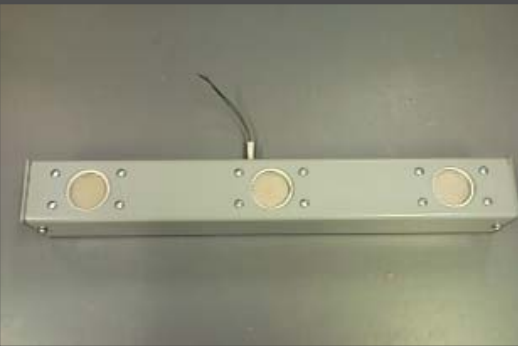
**Hammerhead  
 Kit Installation  
 Guide  
 for  
 Coiltek Loop Controls**

# The Hammerhead Option

## *Installation*

The Hammerhead nose comes with a captivating yoke and a pair of leads with a clip connector.

1. Remove the two screws that fasten the yoke to the sensor assembly.
2. Disconnect the pigtail side of the connector harness.
3. Remove the Range Card (CB-5101R) from your CS-5000/CS-5100
4. Remove the transducer element from the CB-5101R (figure 1). The element is glued in with RTV. A cheap, narrow box knife works well for this operation.
5. De-solder the two clip leads from the CB-5101R (figure 2).
6. Solder in the connector pigtail (figure 3) in place of the clip leads you just removed. Brown goes to +HV, green to GND.



The Hammerhead accessory is available for Coiltek's CS-5000/CS-5100 series ultrasonic loop controls. This accessory increases the number of sensing transducers from 1 to three and the elements are arrayed on 7 inch (178mm) centers. The spread array gives the Hammerhead installed control the capacity to keep a shifting loop valley, such as might occur on a loop suspended from a coil, in view regardless of coil build.



Figure 1. Use the knife to carefully dislodge the glue around the ultrasonic element.



Figure 2. Using a soldering iron, pull the leads marked GND and HV.



Figure 3. The "pigtail" can be detached from the rest of the kit via the white connector, making it easier to solder to the existing rangecard.