

## Replacing and Mounting the Wolf River Vertical Base Variable Tuning Coil

The following are procedures for replacing the stock coil on the Hy-Gain AV-18VS vertical antenna and replacing with the Wolf River Variable Tune Replacement Coil.

- Remove the stock coil from the Hy-Gain vertical, leaving the black coil support bracket in place.



- Slip the antenna feed clamp about 9 inches above the antenna base mount, this will be the new feed location.

- Remove the Wolf River Variable Tune Replacement Coil from its bag and the two plastic stand-off supports. **NOTE: The bottom of the coil is the end with the coupler feed wire and ring terminal attached.** Snap the supports onto the coil core with one bracket just above the top coil wire and one bracket just below the bottom coil wire. Make sure the bracket orientation is the same. The brackets may be hard to snap into place but they will lock onto the core.



- Using two of the wire straps locate the two holes on the support bracket that are bored out larger than the other holes (second and third hole on the bracket). Slip one wire strap through one of the holes on each bracket.

- Orientate the coil and bracket onto the vertical antenna; orientate the Wolf River Variable Tune Replacement Coil bottom bracket parallel with the black coil support bracket that came with the Hy-Gain antenna. Wrap the wire strap around the antenna element and then through the second hole on support bracket and tighten strap, do not over-tighten at this time until final placement of the new coil is made. **NOTE: It is easier to secure the top bracket first.** Slip the second wire strap around the antenna just below the antenna mounting bracket and just above the hose clamp. Again slip the wire strap through the second hole and tighten. Again do not over-tighten. Using the ring terminal secure the coil feed (coil bottom) to the antenna cable feed point.



- Secure the top coil pig tail wire to the antenna feed clamp located about 8 to 8.5 inches above the antenna base.
- Using the last wire strap, wrap the black Hy-Gain coil support bracket with the bottom replacement coil bracket and tighten. Tighten the top and bottom bracket wire strap.



- Cut off excess wire straps and if you want to remove the excess pig tail from the top of the coil.

Your installation is complete.



We work hard on providing the best homemade antenna coil possible. If for any reason you have questions or suggestion concerning your tuning coil please contact us at [www.wolfrivercoils.com](http://www.wolfrivercoils.com) we will be happy to respond. Your comments and suggestions are appreciated. As our customer's base is expanding we are asking if you can please send us a picture and a brief description on how you are using our coils. We would like to add these pictures to our website. Please send us your pictures to [wrcs@hotmai.com](mailto:wrcs@hotmai.com).