



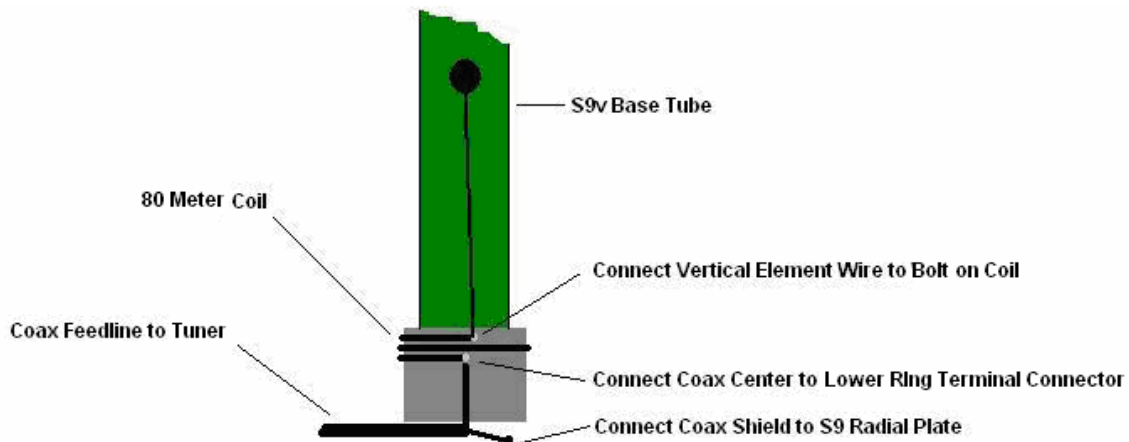
80 Meter Coil for the S9v 31' Multiband Vertical

Thank you for purchasing our 80 Meter coil for the S9v 31' multiband vertical. The coil slips over the S9v base tube and connects between the S9v vertical element wire and your coax cable center connection. The included wing nuts let you leave the coil in place after you install it and quickly disconnect the coil to return your antenna to multi-band operation on 40 through 6 meters.

NOTE: You must use an antenna tuner with this coil.

When tuned, the coil provides at least 200 KHz of bandwidth on the desired 80 meter band segment. To install the coil:

1. Remove the S9v from the ground mount pipe.
2. Slip the coil over your ground mount pipe.
3. Slip the S9v over the ground mount pipe and inside the coil.
4. Connect the S9v vertical element wire to the bolt connection on the top of the coil.
5. Connect the lower coil ring terminal to the coax center connection.



6. Use your tuner to check the SWR on the desired 80/75 meter frequency. The SWR should be at or below 1.5:1. To raise the resonant frequency, disconnect the coax center and remove the coil lower ring terminal connector. Next, trim the coil wire by 1". (If required, poke the coil wire through the zip ties - do not remove the zip ties). Hand-twist a ring terminal connector on the coil wire, re-connect the coax center and re-check the SWR. If required, repeat this step by trimming in 1" increments until the SWR is at or below 1.5:1 on the desired frequency.
7. Solder the ring terminal connector after you have finished fine-tuning the coil.

For top performance, S9 recommends adding 80 Meter radials to your installation. Each radial should be at least 53 feet, 6-inches long.

To return the antenna to multi-band use, simply re-connect your feed line directly to the S9v, leaving the coil disconnected and in place. Thanks again for your purchase and good DXing on 80 meters!