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The easiest and best way to install your lightning diverter is by installing a cut-out switch on the hot lead-out wire close to the sight where you will be installing the diverter. This will make adjustment of the diverter much easier.

Things to consider before mounting :

1. Mount outside the building at a location where, should it react to a lightning strike, the heat generated will be safely dissipated.
2. The diverter ground bed and charger ground bed should be separated by at least 50 feet.
3. Mount diverter between the charger and any fence connections.

Installation Instructions:

1. Turn off charger and/or unplug.
2. Mount outside and away from the building, but as close as practical to the charger.
3. Attach lead out from charger to the end of the metal coil opposite the spark gap.
4. Install ground bed at least 50ft. away from charger ground bed. Use one more ground rod than used for the charger ground bed. Install rods minimum 10ft. apart. Connect wire from the ground bed to the mounting frame of the diverter.
5. To be most effect, the gap on the 2 pointed upright metal pieces of the diverter should be $\frac{1}{8}$ " greater than the distance the charger spark will jump.
6. After adjusting the gap, disconnect power to the charger and attach hot lead going out to the rest of the fence on the spark gap end of the choke coil.

To position the gap:

With power off, make the gap $\frac{1}{8}$ " by loosening the screws that hold the coil in place.

Turn the power on and check to see if spark from charger bridges the gap. If it does, turn the power off (if cut-out switch is installed, throw switch) and increase the gap by $\frac{1}{8}$ ".

Continue the above steps until the spark no longer bridges the gap, then increase an additional $\frac{1}{8}$ ".

Retighten screws.

