

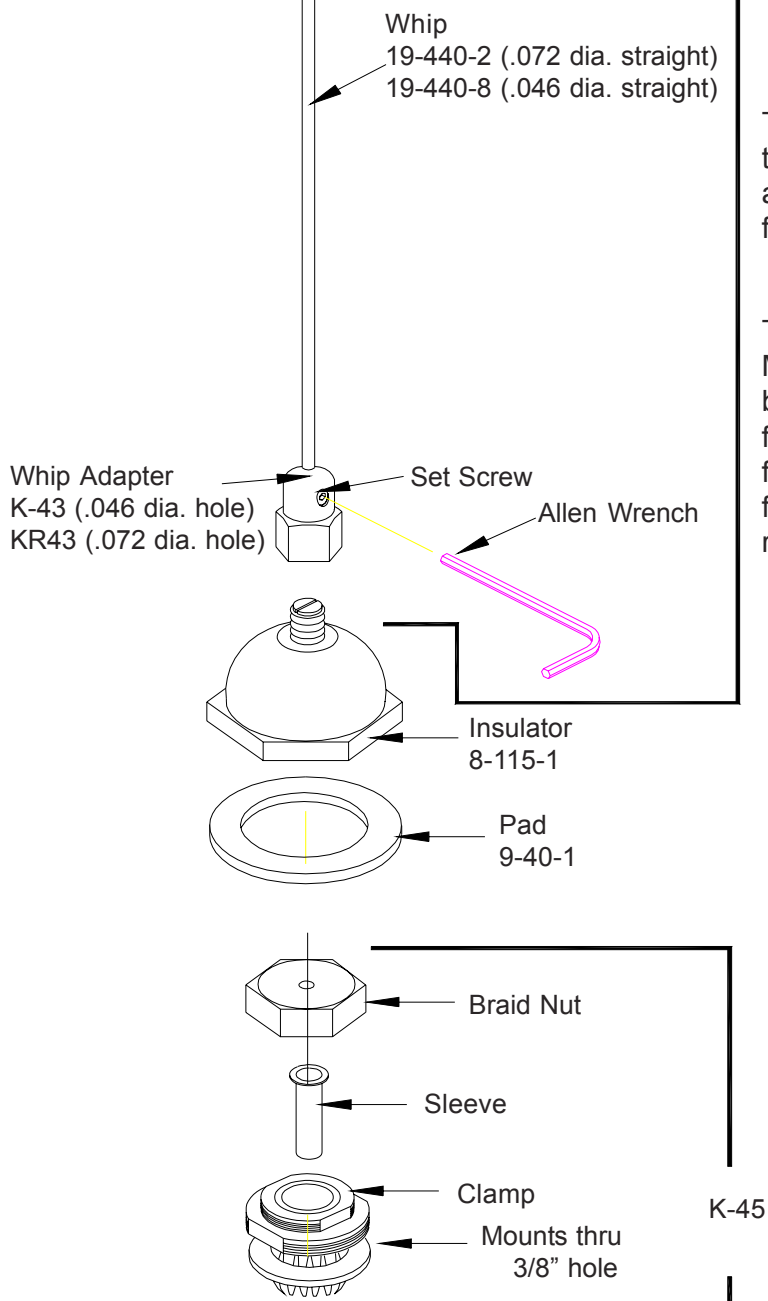
snap-in mount VHF antenna

Replacement Whip & Whip Adapter
 K-42 (.072 dia. straight whip)
 K-51 (.072 dia. tapered whip)

MOUNTS IN 3/8" DIA. HOLE

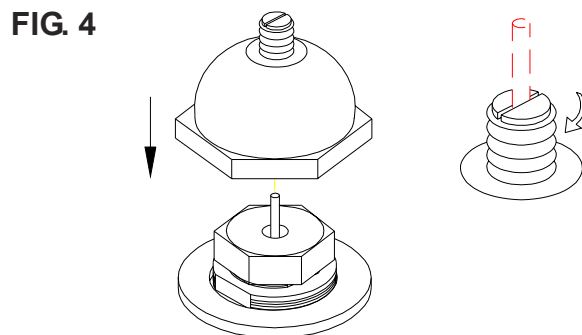
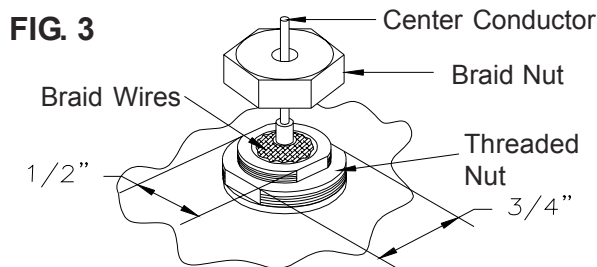
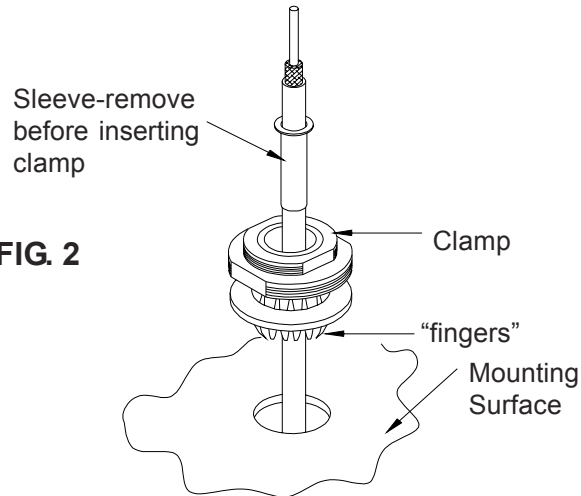
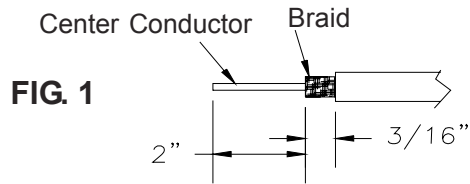
The use of PTFE or similar lubricant on the threaded portions of the antenna, prior to assembly, will protect from weather and ease future disassembly.

This antenna is designed for both the 108-174 MHz and the 406-512 MHz bands. It may be mounted on any flat surface; roof, cowl, fender or rear deck, but rooftop is recommended for best performance. Only one hole is required for mounting. Antenna can be installed without removing or disturbing upholstery.



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ANTENNA INSTALLATION



1. Drill a 3/8" diameter mounting hole.
2. Route cable (if cable not supplied use RG/U or equivalent cut to required length) through mounting hole leaving approx. 6" of cable exposed (see FIG. 1). Loosely coil any excess cable at radio end, and store it where it will not be damaged.
3. Carefully strip cable as shown in FIG. 1.
4. Unscrew braid nut and remove sleeve from clamp (FIG. 2).
5. Slide cclamp over exposed end of cable and press slotted "fingers" into mounting hole (FIG. 2).
6. Push sleeve (small end first) over cable and into clamp until flared end is flush with top of clamp (FIG. 2).
7. While holding the clamp with a wrench on the 1/2" flats, tighten the threaded nut with another wrench on the 3/4" flats (FIG. 3). Be sure the assembly is securely fastened to the mounting surface.
8. Fan out braid wires. Push cable into clamp until braid wires are flush on top of clamp (FIG. 3).
9. With center conductor passing through hole in the braid nut, tighten braid nut on clamp securely capturing braid wires underneath (FIG. 3).
10. Place gasket over clamp and flat on mounted surface (FIG. 4).
11. Screw insulator onto clamp. Center conductor will pass through hole in top of insulator (FIG. 4).
12. Wrap center conductor, clockwise, around shoulder of threaded fitting on top of insulator (FIG. 4). Trim excess wire if necessary.
13. Screw whip onto insulator. Be sure wire is held securely under whip adapter.
14. If cable and connector have not been supplied, cut radio end of cable and install appropriate connector.

WHIP CUTTING CHARTS

Remove whip from adapter by loosening set screws; after cutting whip, replace in adapter and tighten set screws securely. NOTE: WHIP IS SUPPLIED LONG ENOUGH TO COVER THE FREQUENCY RANGE SPECIFIED FOR THE MODEL. A LONGER WHIP MAY HAVE TO BE OBTAINED FOR LOWER FREQUENCIES.

| <u>406-512 MHz CHART</u> | |
|---------------------------------|--------|
| FREQUENCY | "L" |
| 405-420 MHz | 6" |
| 420-450 MHz | 5-5/8" |
| 450-470 MHz | 5-1/8" |
| 470-488 MHz | 5" |
| 488-512 MHz | 4-5/8" |



108-174 MHz CHART

