

INSTALLATION INSTRUCTIONS FOR THE HUSTLER
COLINEAR GAIN ANTENNA MODEL CGT-144

Model CGT-144 : Attach trunk lip mount to rear or side of trunk lid as shown in the illustration.

Run the cable from the transceiver to the trunk by going under the carpet and under the rear seat. Plug it into the pigtail lead on the mount.

Assemble the tip rod to the upper end of the coil. Tighten securely with the two set screws provided. Screw the above assembled mast onto the mount.

NOTE: Because of the low radiation angle the mast of the CGT must be adjusted to an absolute vertical position. This is done as follows:

-If base tilts front to back, loosen knob and adjust mast to vertical.

If base tilts front to back and to side, or to side only, remove mast by removing 5784 Knob Assembly. Loosen screw Y and rotate ball segment N until flat face of ball segment is vertical. Tighten screw Y. Attach mast in vertical position and tighten knob.

TUNING INSTRUCTION

The antenna is sufficiently broad to cover 143-149 MHz and accomodate frequency spacings used in all repeater operations. Check the SWR after installation. Some adjustment is available on the rod length to optimize the VSWR which should be below 1.5 : 1.

Loosen set screws S for adjusting lower rod length. Reducing the rod length raises the operational frequency. Increasing the rod length lowers the operational frequency.

The conditions will vary from one vehicle to another and the importance of good grounds cannot be over emphasized.

When adjusting the rod for the higher end of the range you might find you cannot reach the desired frequency because the rod has bottomed in the post. If this happens grind 1/4" off the bottom of the rod.

After adjusting the lower antenna section for best SWR the rod above coil C should be adjusted for optimum SWR. This is accomplished by loosening the two set screws in the upper coil cap of coil C and adjusting rod length for best SWR.

Only calibrated RF watt meters known to be designed for these frequencies should be used.

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Hustler Incorporated warrants its products to be free of defects in material and workmanship and extends this warranty under intended use and normal service conditions to the original owner for a period of one year from the date of purchase.

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CGT-144

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HUSTLER INC

One New-Tronics Place
Mineral Wells, Texas 76067

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