

Installation Instructions

NOTE

Installation of ground kits is recommended at the top and bottom of each vertical run, at 200 ft. increments and just prior to building entry.

REQUIRED TOOLS

Knife
7/16" Open end wrench
#6 Crimp tool (For unattached versions)
Heat gun or equivalent (for unattached versions)
9/16" Socket Wrench
9/16" Open End Wrench
(1) 3/8" nut, (1) 3/8" lock washer and 7/16" hole screw-on lug.

MATERIAL LIST

(1) Pre-formed copper ground strap assembly with un-terminated ground lead*

(1) Roll 3-3/4" x 24" butyl mastic

(1) Roll 2" x 20" electrical tape

(1) Heat shrink tube*

(1) Crimp-on 3/8" 2-hole universal or 1-hole lug

(2) 3/8" x 1-1/4" slotted bolts

(2) 3/8" nuts

(2) 3/8" lockwashers

(2) 3/8" flat washer

*Factory attached Clip-on Ground Kits are supplied with a 3/8" 2-hole or 1-hole crimp lug and heat-shrink tubes pre-applied. Screw on lug versions include

STEP 1

Verify that all parts are present as outlined in the material list above.
(CX27-GK158 shown)



STEP 5

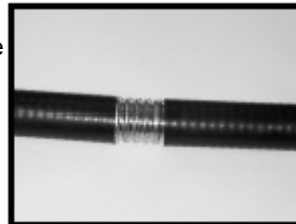
Place one of the 2" butyl mastic pieces under the ground wire cable, as close to the clamp as possible



STEP 2

Remove approximately 2" of the outer jacket from a straight section of coax cable.

NOTE: Care should be taken when removing the jacketing to prevent scoring of the copper outer conductor. The exposed outer conductor should be free from foreign debris, grease or moisture.



STEP 6

Fold one of the 2" pieces of butyl mastic in half and place over the riveted ground lug and copper hardware to act as a filler. Mold the mastic to the ground lead to insure a proper seal.



STEP 3

Install the preformed copper strap around the exposed outer conductor, hook the bailing clip into position, and pull the latch closed to create a clamping effect.



STEP 7

Place one of the 2" pieces of butyl mastic over the end of the ground lead as shown. Mold the mastic to the ground lead to insure a proper seal.



STEP 4

Cut four 2" pieces of butyl mastic.



STEP 8

Apply one layer of butyl mastic overlapping the coax jacket by 1" on each end of the exposed outer conductor. Overlap each wind by one-half of the width of the mastic. Cut any remaining mastic. All parts of the ground kit and outer conductor should be sealed by the mastic.



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STEP 9

Apply three overlapping layers of vinyl electrical tape extending 2" beyond the butyl mastic. Cut the remaining tape and dispose of properly.



STEP 10

Cut ground lead to the desired length and remove approximately 3/4" of jacket from the end.



STEP 11

Slide the appropriate #6 lug over the end of the ground lead and crimp in two places using a hand crimping tool as shown.



STEP 12

Slide the heat shrink tube over the end of the lug and use a heat gun to shrink it into position as shown.



STEP 13

Clean the ground point thoroughly and bolt the lug into position using the appropriate hardware provided.



Note:

Once the ground lead is bonded to the ground point, the lead should be as straight as possible and installed in a downward direction.

Note:

All bends in the ground lead should be no smaller than an 8" radius.