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INSTALLATION INSTRUCTIONS

FOR

1 1/2" HELIAX

	TMC	SPECIFIC	CATION		NO. S	1174	
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#### Step 1.

Turn the cable clamping nut onto the outer conductor of cable 1 1/2" from edge. Using cable clamping nut as a guide cut outer conductor with a hacksaw. Excercise care not to damage inner conductor; scoring of cable clamping nut will not be harmful to the ass mbly.

Remove the cable clamping nut after the cut is made and brush all particles of copper from cables. With a sharp knife cut the spiral insulation flush with the end of the outer conductor.

Deburr the cut edges of the outer conductor. Use caution that filings do not enter cable.



Place the retaining ring and support band over the end of the outer conductor as shown in Figure 2. Next, add a thin coating of siticone grease to the gasket and inn r surface of the cable clamping nut. Plac the gasket on the outer conductor as shown in Figure 2.

# St p 3.

Slide the cable clamping nut over the gasket and screw it onto the outer conductor making only one mevolution of the cable clamping nut. At this point insert the support band into the cable clamping nut, them snap the retaining ring into the groove located just inside the cable clamping nut. Continue to turn the cable clamping nut onto the outer conductor until the threaded end is aligned with the end of the outer conductor.

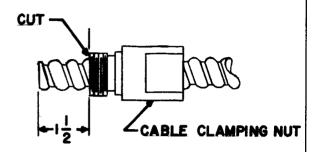
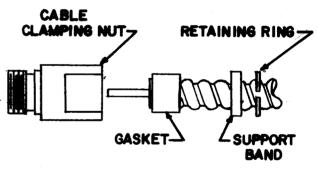


FIG. I



**FIG. 2** 

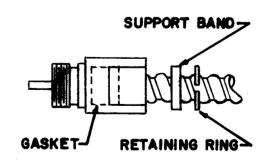


FIG. 3

TMC SPECIFICATION

NO. S 1174

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TITLE: INSTALLATION INSTRUCTIONS FOR 1 1/2 HELIAX

### Step 4.

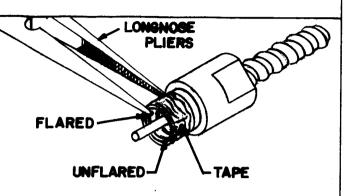
Flare the outer conductor against the taper in the cable clamping nut using longnose pliers as shown in Figure 4. Flaring is n c ssary to insure a perfect contact with the flare ring. Several turns of tape may be used to protect the threads during the flaring operation.

## Step 5.

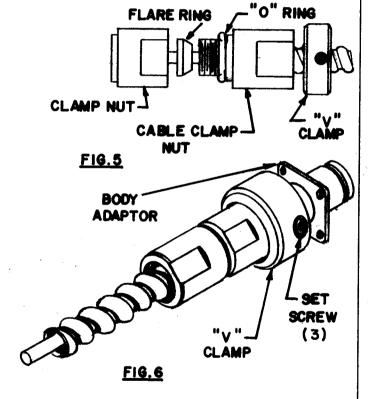
Slide "V" clamp onto cable, add flare ring and screw clamp nut to the cable clamp nut and tighten with two 13/16" wrenches. Turning only the clamp nut, not the cable clamping nut.

## Step 6.

Check inner conductor it should now measure 7/16 inch ½ 1/16" from shoulder. If cut is require use caution not to allow chips to fall into cable. File spherical radius on end of inner conductor, polish with garnet cloth insert into body adaptor and slide "V" clamp forward into position and tighten 3 set screws.



### FIG. 4



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