

**INSTALLATION INSTRUCTIONS:**

1. Using a sharp tubing cutter, score cable 3" to 4" from end. Do not cut through aluminum jacket.
2. Using emery cloth, clean a section of the aluminum jacket approximately 1" long centered on scored groove. The emery cloth should be used in shoe-shine fashion and all scratches and marks must be removed from jacket. The "O" ring used to seal connectors acts against this surface and therefore any scratches or defects may cause leaks in the finished assembly. Brush off sanding dust from jacket.
3. Grip end of cable in vise and flex cable gently until the aluminum jacket fractures at the scored groove. Pull back on the cable until about 1/8" of Polyethylene Foam is exposed.
4. Using hot knife tool, cut polyethylene foam down to center conductor flush with aluminum jacket. Pull off short end of jacket and polyethylene foam.
5. Cut off center conductor 2-1/2 inches from end of cable. Remove cut-off burr from center conductor. Take care not to allow chips to enter cable.
6. Slide clamp ring over cable. Check roundness and size of cable using sleeve as gauge. The sleeve should slide freely over cable.
7. Grease sleeve "O" ring with "O" ring grease, GL-118, (No. 4 compound), and install in sleeve.
8. Push on wire coil over jacket until coil is entirely on jacket and rear end of coil is approximately 3/8" from end of jacket. Coat inside of sleeve with anti-seize compound, (GL-117). Use the compound sparingly and wipe off any excess before starting sleeve on cable.
9. Push sleeve over cable until wire end enters notch and is in line with thread groove. Turn sleeve clockwise, making certain that wire is engaged in thread and is not turning with sleeve. Turn on sleeve until cable butts internal shoulder.
10. Push bead over center conductor with countersink facing outward. Apply "O" ring grease, GL-118, (No. 4 compound), to small "O" ring and push it on center conductor. Push second bead on center conductor with countersink facing inward.
11. Place back-up plate over center conductor and push toward sleeve so that beads and back-up plate seat in sleeve counterbores.
12. Bring up sleeve assembly to box and place gasket over tapped holes in box.
13. Bring clamp ring up to box and clamp entire assembly with four (4) bolts and lockwashers.

NOTE: GL-118 (#4 compound) Supplied  
 GL-117 (Lubricant, Thread) By  
 T M C

**SPECIFICATIONS:**

Series - "ES"- "F"  
 No. of Contacts - One (1)  
 Type of Contact -  
 Dielectric - Teflon

**ELECTRICAL DATA:**

Max. Peak Opr. Volt - 2.4 KV.  
 Nominal Impedance - 70 Ohms

**CABLE ACCOMMODATIONS:**

Type - Foamflex - 7/8  
 Max. O. D. - 7/8

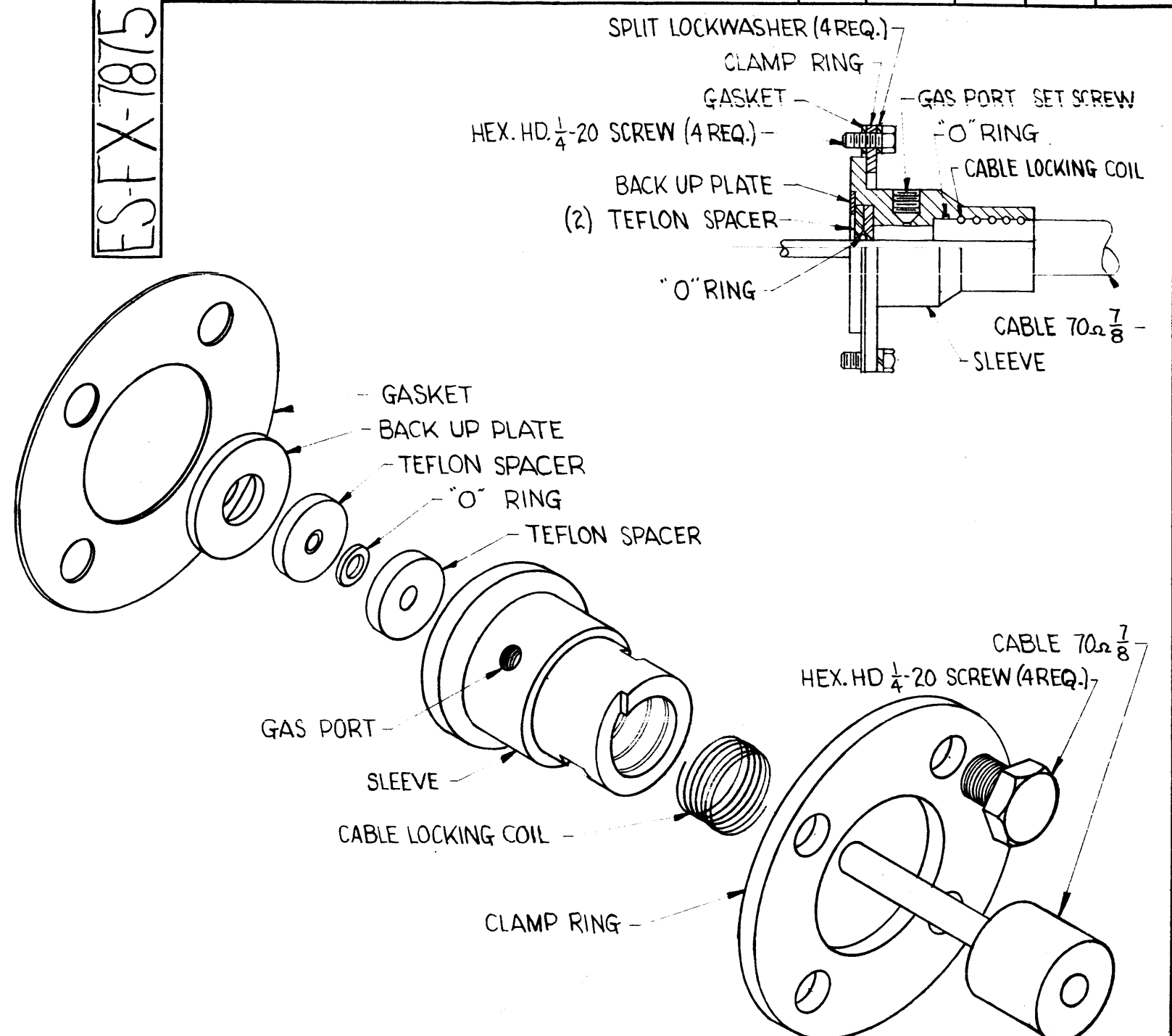
**NOTES**

1	ES-FX-7875	
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
DO NOT SCALE	CODE	S-401-70-2689

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REVISIONS					
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD APPD

ES-FX-7875



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
<b>LIST OF MATERIAL</b>				
MATERIAL			<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK	
FINISH			TITLE CONNECTOR BOX 7/8 FOAMFLEX-70Ω	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES			DRAWN <i>R. Turchin</i> DATE 6-7-62 CHECKED <i>J. W. Le</i> DATE 6-9-62 ELECT. DES. DATE MECH. DES. <i>D.M.</i> DATE 6/11/62	FINAL APPROVAL <i>[Signature]</i> DATE 6-11-62 SHEET REV. LTR.
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005			FRACTIONS ± 1/64 ANGLES ± 0° 30'	ES-FX-7875