

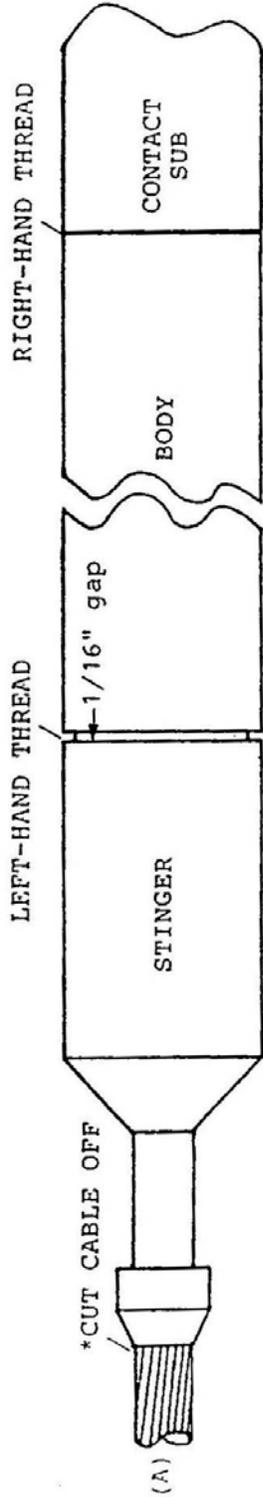
CABLEHEAD REPLACEMENT INSTRUCTIONS

PART #108352

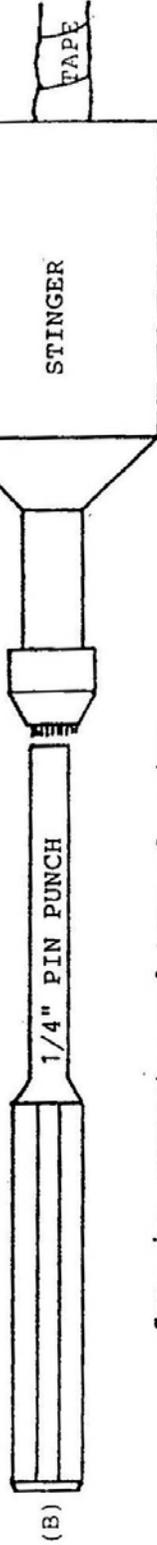


G1.0

REMOVING THE CABLE HEAD

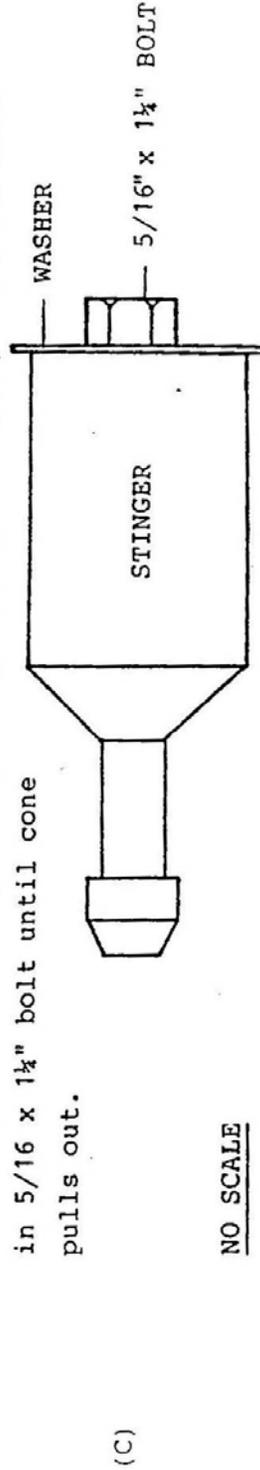


Put the stinger end of the cable head in a bench vise. With a pipe wrench on the contact sub (right-hand thread), barely loosen the sub from the body. Then loosen the body from the stinger. Holding the contact sub in one hand, turn the body with other hand and disassemble cable head. Remove connection from contact sub and remove body.



Save joy connector and tapered washer.

With a 1/4" pin punch, punch the cable through the hole of the stinger. Use large wire cutters to cut cable strands to clear the hole of cable. Remove the brass cone from inside the stinger. If it sticks, tap the cone with a 5/16" thread tap. Place large washer over stinger end and screw in 5/16 x 1 1/4" bolt until cone pulls out.



NO SCALE

PREPARING THE CABLE HEAD

(See illustrations that follow)

Step 1) Cut cable and clean and wrap with electrical tape. Measure back 12 inches and wrap with electrical tape.

Step 2) Cut off the outer armor at the 12-inch mark and discard strands.

Step 3) Measure back 10 inches and wrap with electrical tape.

Step 4) Position cone at the 10-inch mark. Place the cable in a bench vise so that the cone flat end butts against the end of the vise jaws.

NOTE: See the pattern for threading wire through the cone holes; one wire, two wires, two wires, two wires, one wire, etc. (12 holes, 21 wires.)

Step 5) Pull outer armor wires back over the cone and thread them through the wire holes, following the pattern (1,2,2,2,1, etc.) Rotate assemble in the vise as you go.

Step 6) Pull wires tight, bend them over, and cut them off. Cut back the inner armor to within $\frac{1}{4}$ inch of the cone.

CAUTION: When pulling and bending the wires, be careful not to pull the wires through the side of the cone holes. The cone is brass.

Step 7) Trim back the plastic covering on the center wire to within one inch of the cone.

CAUTION: DO NOT cut the copper shielding under the plastic covering.

Step 8) Measure the joy plug and its cord, then cut the center conductor so that an overall length of $13 \frac{1}{4}$ inches measure from the cone to the end of the joy plug.

CAUTION: DO NOT cut the copper shield yet.

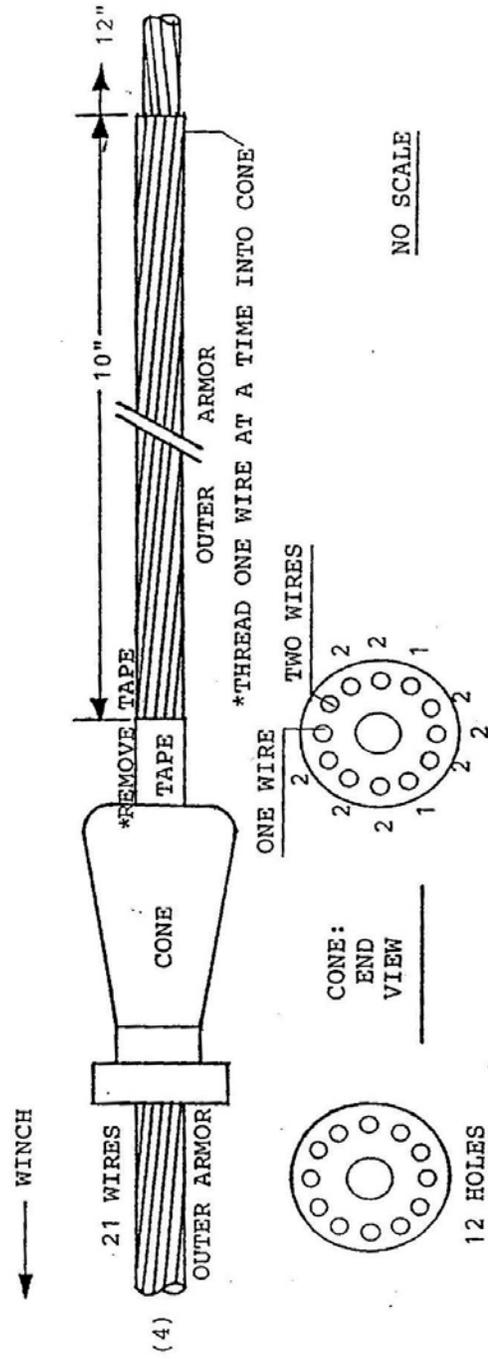
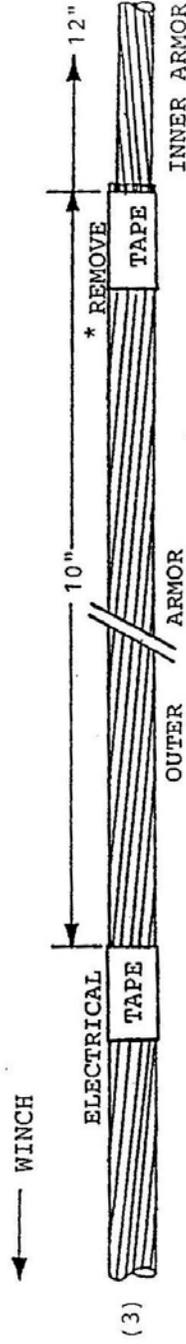
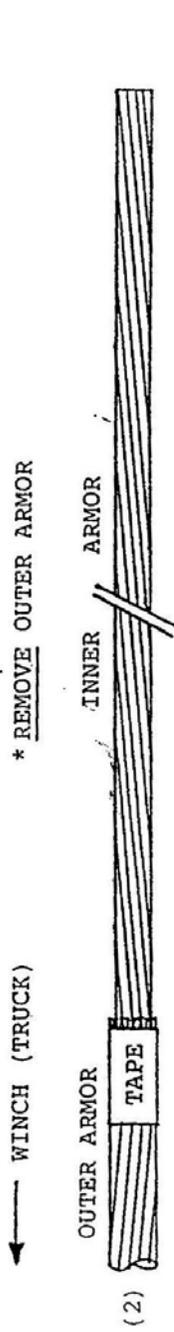
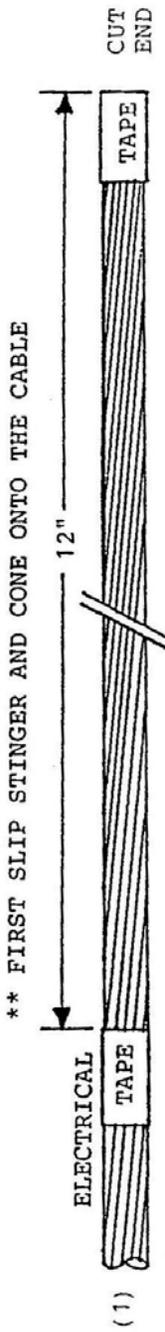
Step 9) Slide the stinger over the cone. Solder the center conductor to the joy plug wire.

Step 10) Apply silicone rubber to the solder joint and to the place where the copper shield extends from under the plastic, wire covering.

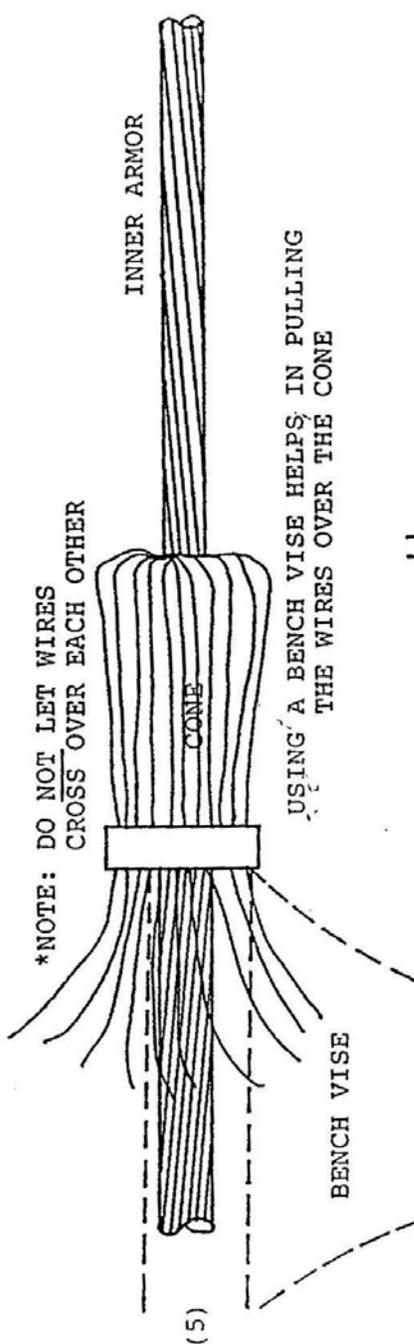
CAUTION: DO NOT cut the copper shield.

Step 11) Wrap the wire with electrical tape from the cone to beyond the solder joint, back and forth. Leave the copper shield hanging out between wraps, as shown.

PREPARING THE CABLE HEAD



NO SCALE



USING A BENCH VISE HELPS IN PULLING THE WIRES OVER THE CONE

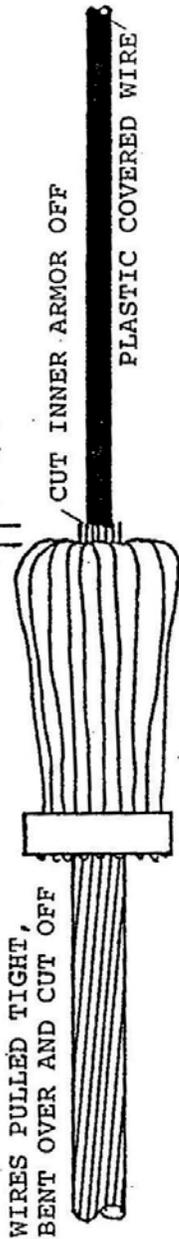
*NOTE: DO NOT LET WIRES CROSS OVER EACH OTHER

INNER ARMOR

CONE

BENCH VISE

(5)



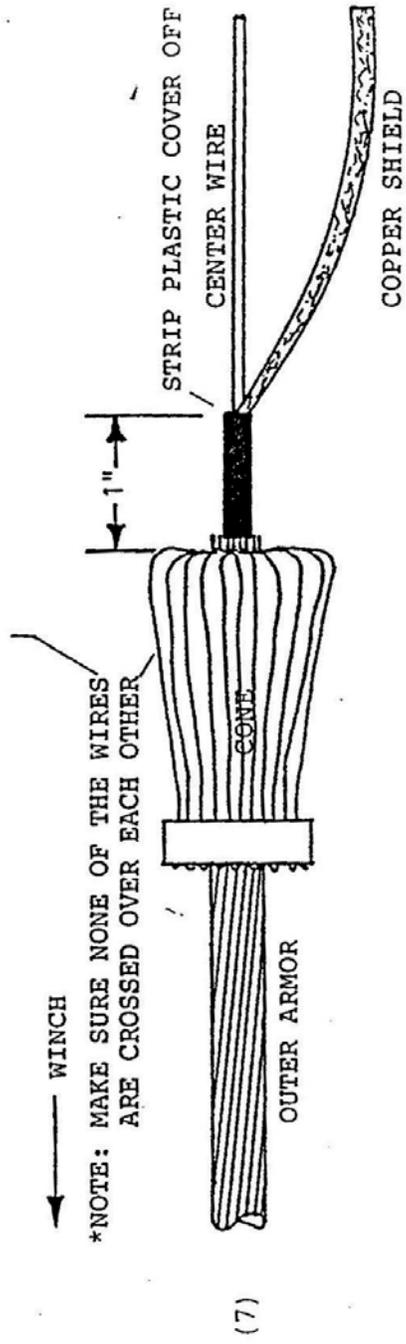
WIRES PULLED TIGHT, BENT OVER AND CUT OFF

CUT INNER ARMOR OFF

PLASTIC COVERED WIRE

(6)

CAUTION: DO NOT PULL WIRES THROUGH CONE HOLE SIDES



WINCH

*NOTE: MAKE SURE NONE OF THE WIRES ARE CROSSED OVER EACH OTHER

OUTER ARMOR

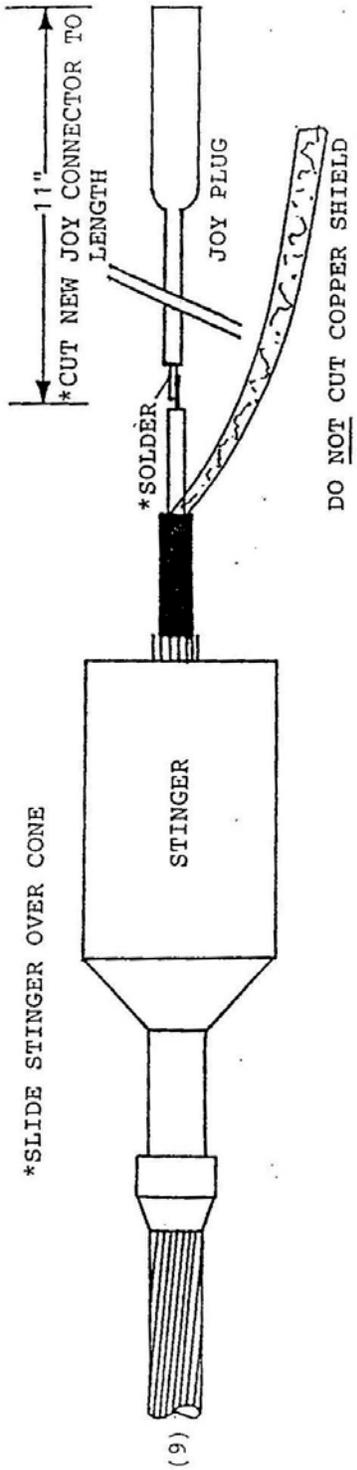
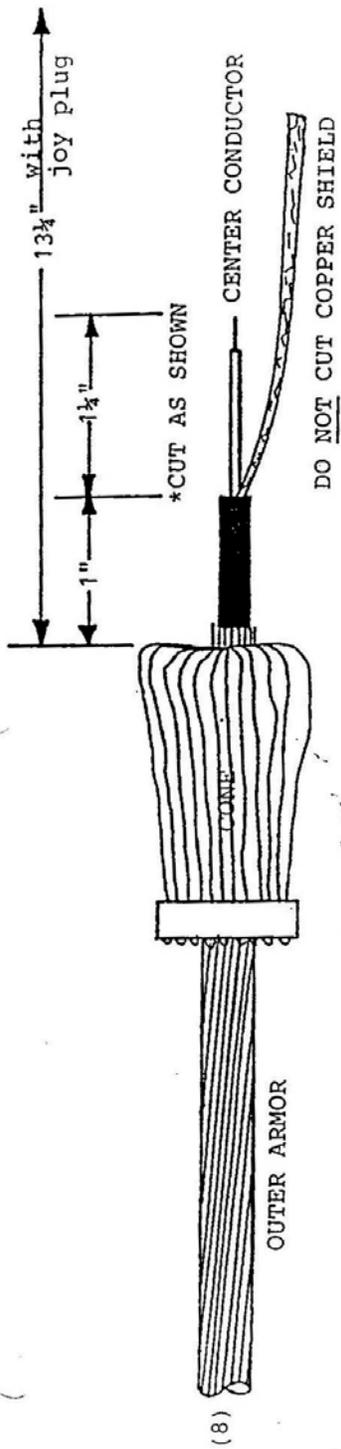
STRIP PLASTIC COVER OFF

CENTER WIRE

COPPER SHIELD

(7)

NO SCALE



NO SCALE

Step 12) Apply silicone rubber over the electrical tape.

Step 13) Wrap once again with electrical tape, leaving the copper shield hanging out, as before.

NOTE: If the contact sub requires assembly, complete steps 14-16. If the contact sub is already assembled, with its UHF connector, skip to Step 17.

Step 14) Make sure the O-ring is on behind the bulkhead connector, then solder 5 inches of wire to the connector wire. Enclose the solder joint in silicone rubber and shrink tubing.

Strip, twist, and tin one inch on the end of the wire.

Step 15) Tighten the bulkhead connector into the contact sub to 6 inch pounds of torque.

CAUTION: DO NOT over tighten.

Make sure O-rings are in place (two-#211).

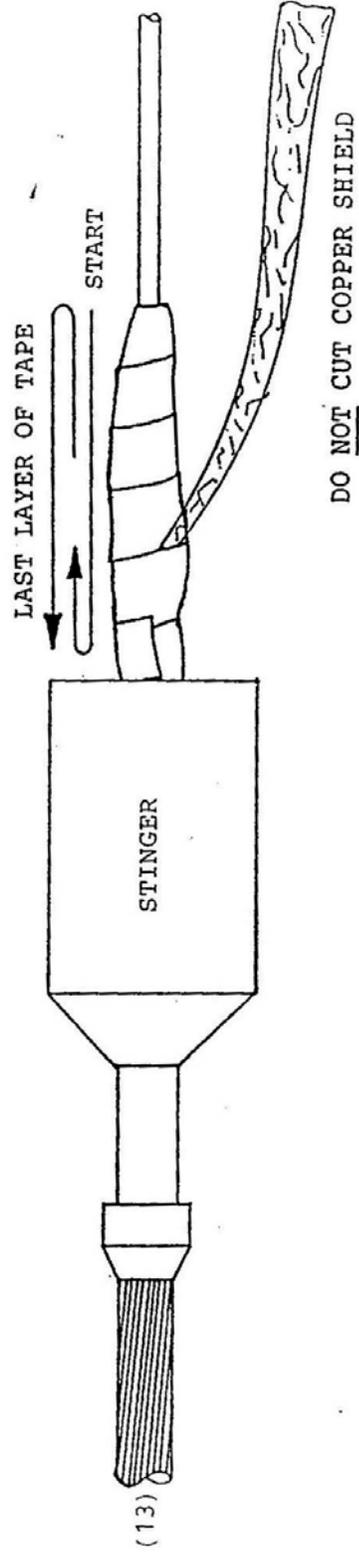
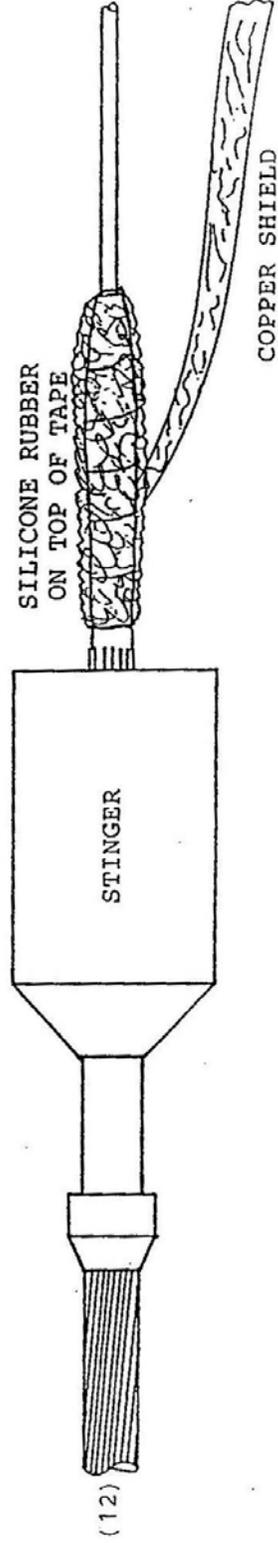
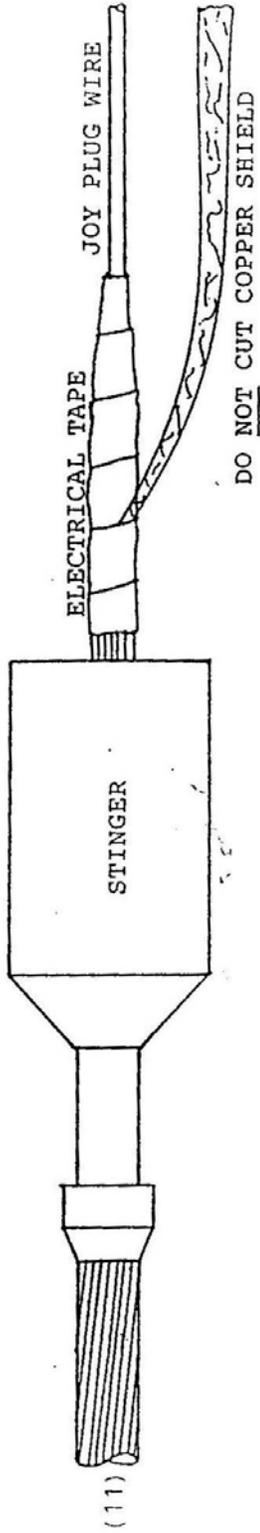
Step 16) Screw on UHF connector. Solder wire to UHF connector pin. Cut off excess wire.

Step 17) Slip tapered washer and cable head body on cable. Attach body to stinger. Cut copper shield to the length to reach sub. Solder lug on copper shield.

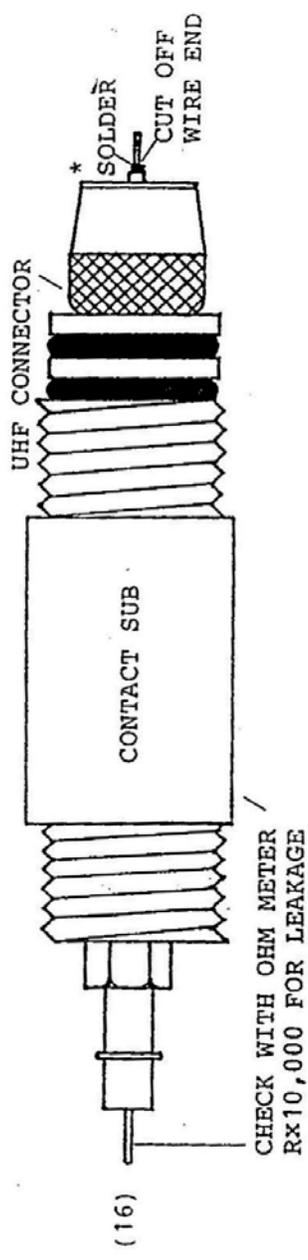
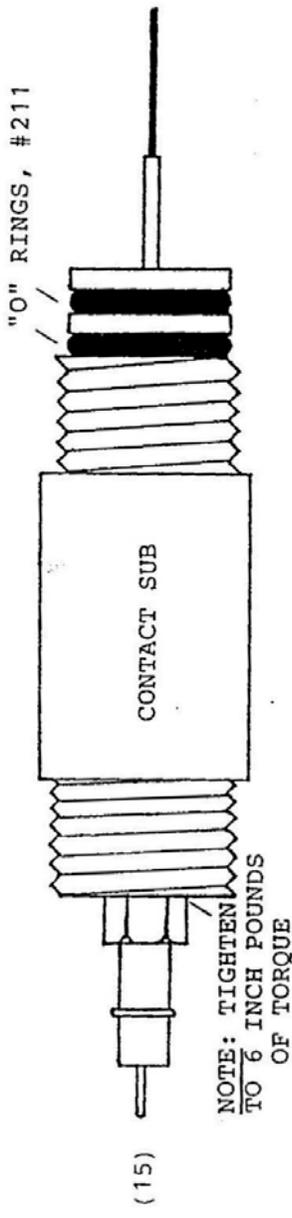
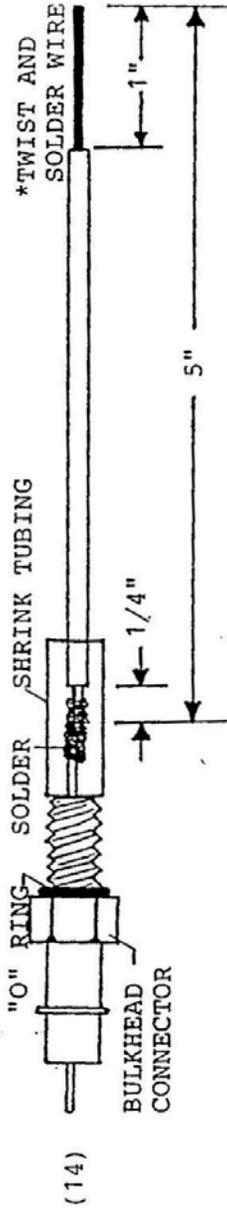
Step 18) Attach joy plug to bulkhead connector. Attach lug under 6-32 screw on contact sub end. Cover both connections with silicone rubber.

Step 19) Attach contact sub to cable head body (RH thread).

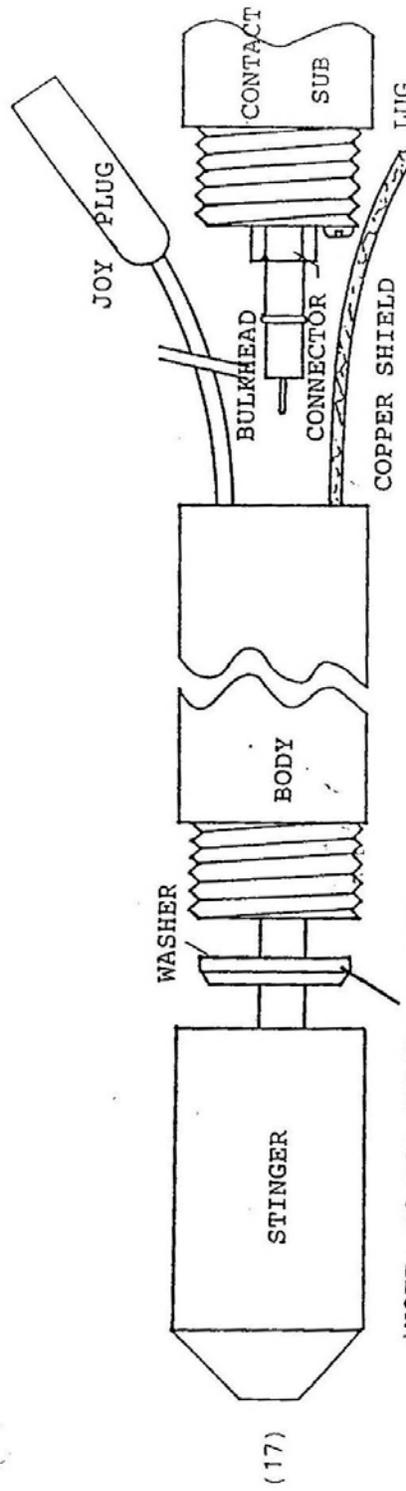
Step 20) Double-check assembly and connections.



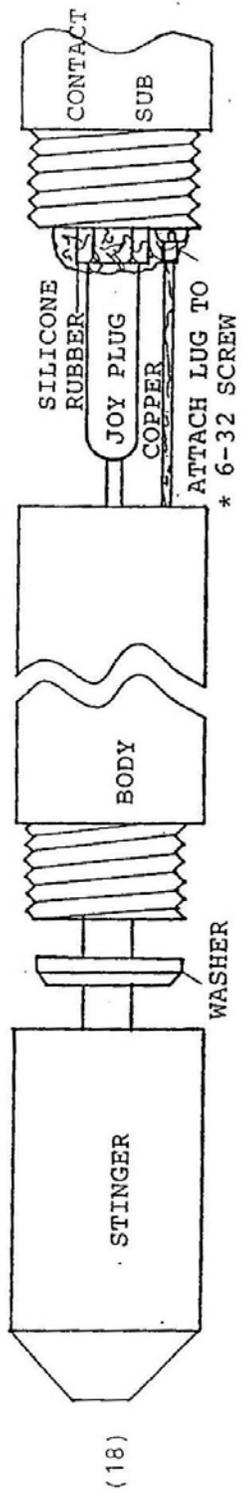
NO SCALE



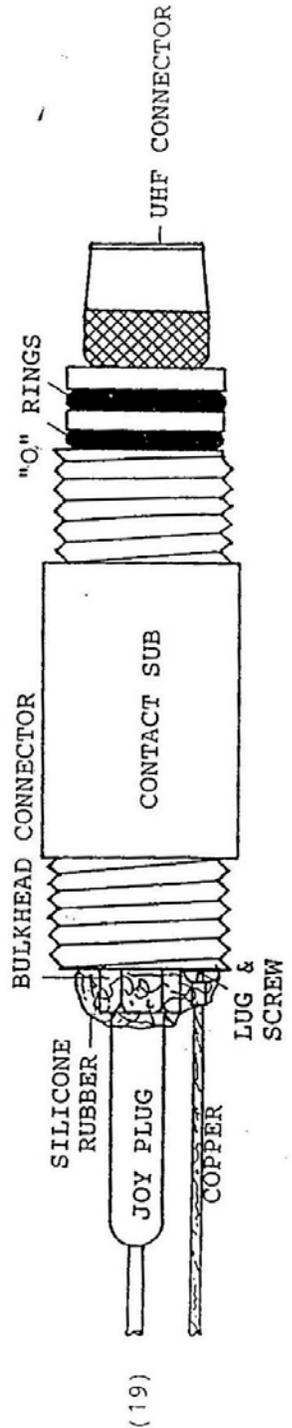
NO SCALE



* CUT COPPER TO LENGTH AND SOLDER TO LUG



ATTACH LUG TO



NO SCALE