



Maybe you've had a run in with those Packard electrical connectors on your equipment's waterproof electrical system, and you've been wondering how you can order a repair kit.

To make a long story short—you can't. The individual parts hafta be ordered as separate items.

Before going through the list to pick out the part needed, here are a few hints to check through that'll help with the connectin' business.

1. Pick out the right parts to go with the gage wire to be used (12, 14, or 16 AWG wire).
2. Working on 12-gage wire? Then don't use the plastic sleeve with the male shell, but use washer, FSN 5310-298-8903 instead.

It works like this . . . shove the wire through the male shell and strip off the insulation. Then the stripped wire is put through the small hole in the washer. Now, slip a terminal on the stripped wire . . . and just snug 'em up and crimp or solder 'em in place.

3. The two types of male shells (ribbed & plain version) are to be used for identifying the hookups on polarized units.
4. Knowing that earlier produced female (metal) terminals had a habit of spreading so the male terminal had poor or NO contact at all, a "hog-ring" was added to the female.

The hog-ring does two jobs. It keeps the terminal from spreading and insures

	1	2	3	4	5	6	7	8
ITEM								
FSN	5935-699-9004	5975-660-5962	5935-833-8561	5935-399-6673	2590-695-9076	5935-691-5591	1015-833-8566	2590-695-9077
NOMEN- CLATURE	Connector Assy "Y"	Shell, Male (Rubber)	Shell, Male (Rubber)	Shell, Male, Ribbed (Rubber)	Shell, Male (Rubber)	Shell, Female (Rubber)	Shell, Female (Rubber)	Shell, Female (Rubber)
GAGE WIRE IN USE	12, 14, 16	16	14	14	12	16	14	12
ORD PART NO.	7982404	8724494	8338561	7982401	8338569	8724495	8338566	8338572
TECH SERVICE	ORD	SIG	ORD	ORD	ORD	ORD	ORD	ORD

BIT BY BIT



a good contact because the terminal remains round.

SO-O-O-O, NEVER, NEVER, MASH DOWN ON THE RUBBER SHELLS TO GET A GOOD CONTACT 'TILL YOU SEE IF THE TERMINAL IS THE LATER VERSION WITH THE HOG-RING . . . MASHING DOWN'LL RUIN AND DEFEAT THE PURPOSE OF THE RING.

5. You'll find two female metal terminals floating around in the system. They both have hog-rings and'll do the job.

The difference lies in the manner of attaching the wire to them.

On the one with the solid sleeve, the wire gets crimped to the terminal. With the other, the larger tabs are bent around the insulated part of the wire and the small tabs bent around the

peeled wire . . . then it gets soldered into the terminal.

Either the solder or crimp type version can be used with 14 or 16 AWG wire, but the crimped version is better when playing with the 12-gage stuff, than the soldered-on-type.

If you hafta use the solder type for 12-gage wire, the tabs can't be used to latch onto the insulation because the small washer FSN 5310-298-8903 must be used. So peel off the insulation far enough to take the washer and bend over the tabs (washer first) and solder the wire in place. The washer goes between the insulation and terminal.

Tie this info in with the following list and it should simplify this connectin' up business.

9	10	11	12	13	14	15	16	17	18
5940-057-2931	5940-057-2930	5940-399-6676	5310-833-8567	5310-298-8903					
5940-057-2929	1015-798-2997	5310-656-0067	5310-595-7044	5970-833-8562					
Ferrule, Electrical Connector	Ferrule, Electrical Connector	Ferrule, Electrical Connector	Terminal Assy (Female) (solder)	Terminal Assy (Female) (Crimp)	Washer, "C" (Terminal Retaining)	Washer, (Slotted) "C" (Terminal Retaining)	Washer, "C" (Terminal Retaining)	Washer, Plain, (Terminal Retaining)	Sleeve, Insert Plastic
16	14	12	12, 14, 16	12, 14, 16	16	14	12	12 (ONLY)	14, 16
572931	572929	572930	7982997	8338564	8724497	8338567	8338573	8338570	8338562
ORD	ORD	ORD	ORD	ORD	ORD	ORD	ORD	ORD	ORD