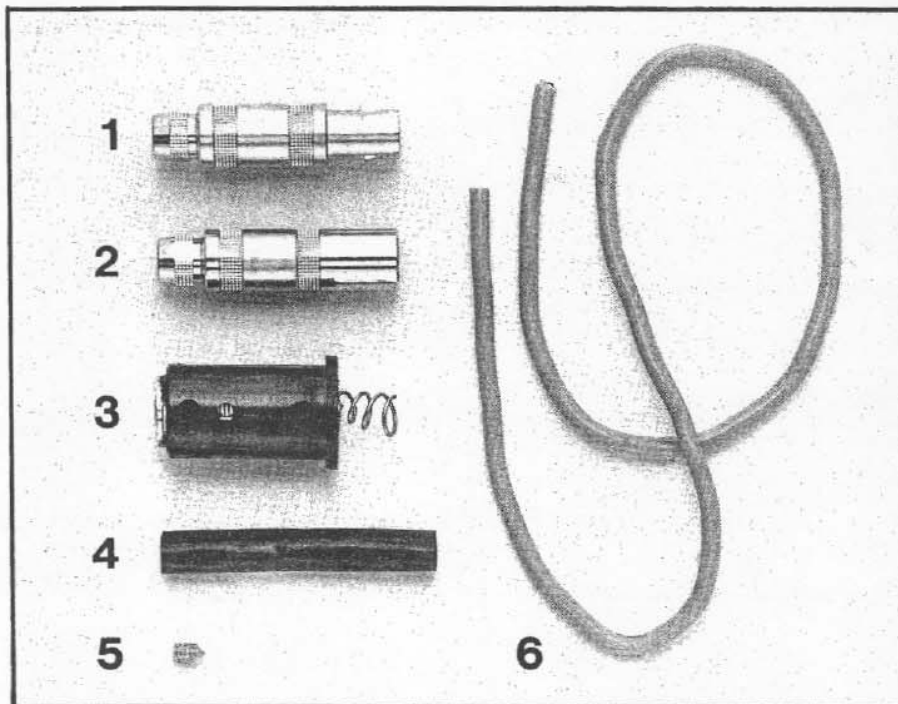




Model 512 CO85 Connector Adaptor Kit

ITEM	QTY.	DESCRIPTION	PART NO.
1	1	"F" Lemo Connector	17249
2	1	"RC" Lemo Connector	17251
3	1	Plastic Insert with "RA" Lemo Connector	*
4	2	Pieces of shrink tubing	J6617
5	1	#4-40X, 187 set screw	62341-AD
6	1	12 in. length of cable	B16577

*Note the "RA" chassis mount connector is available separately under Part No. 17250.

DESCRIPTION AND APPLICATIONS

The Model 512 connector adapter kit for the CO85 provides more flexibility by allowing the user to connect and disconnect the CO85 battery housing from the normally "hard wired" connection to the rest of the unit. The use of specially designed Lemo type connectors provides the advantages of both rapid disconnect and easily made, no-confusion positive connection. It also allows connection of the CO85 to extension cables and adapters for direct powering by certain RF mike transmitters, specialized recorders, etc., and it allows for direct connection to some RF devices.

INSTALLATION INSTRUCTIONS ON BACKSIDE

INSTALLATION DIRECTIONS

1. Cut the CO85 mike cable flush with the battery housing.
2. Over the microphone end of the cable, first slip the retaining nut of the Lemo "F" connector followed by the connector's collet and one piece of shrink tubing.
3. Strip 3/8" of the gray outer jacket of the cable connected to the CO85.
4. Strip 1/16" of insulation off of the red wire and white wire.
5. Strip the black wires all the way back to the gray jacket.

NOTE: Stripping of the delicate inner conductors (red, white, black) is best accomplished with the tip of a hot soldering iron.

6. Align the shrink tubing flush with the end of the gray insulation and shrink.

7. Slip the shield collar over the red and white wires only. Then, solder the white wire to Pin No. 1 on the connector insert and the red wire to Pin No. 2.
8. Align the shield collar over the connector insert. Slide the collet down the cable and capture the shield and two black wires between the collet face and the shield collar. Trim the shield and two black wires so that they are flush with the outside diameter of the collet.
9. Slip the connector insert, shield collar and collet into the plug shell. Slide the retaining nut down onto the collet and tighten down the retaining nut by turning it clockwise.

The "RC" Lemo connector can be installed on the supplied length of the cable by following the same set of instructions for the installation of the "F" Lemo connector.

INSTALLATION OF NEW INSERT

1. Remove the plastic insert from the threaded battery housing top by taking out the set screw in the side of the unit. Slide out the insert by pulling on the spring end.
2. Slip the new insert into the battery housing top.
3. Align the hole in the side of the plastic insert with that of the battery housing top and install the new set screw.

Your adapted CO85 is now ready for normal operation. The supplied length of cable with the "RC" Lemo connector can be used to make an adapter to interface directly to equipment that can supply powering for the microphone, thus eliminating the bulky battery transformer housing. One such example is the Electro-Voice Model 221 Lavalier Transmitter.

For more information on special adaptations of the CO85, request Technical Bulletins 17 and 18.

