



Mobile Communications

MLS OPTIONAL CONTROL PANELS

This publication provides instructions for installing the CONTROL PANEL in MLS Mobile Radios, 19A705800P1 thru P7.

There are 5 interchangeable control panels available for configuring a MLS radio to a two channel, eight channel or sixteen channel radio. The control panels are listed below.

Two (2) Channel without Scan (Option MLMK1J)	19A705800P100
Eight (8) Channel Without Scan (Option MLMK1L)	19A705800P101
Eight (8) Channel With Scan (Option MLMK1N)	19A705800P102
Sixteen (16) Channel Without Scan (Option MLMK1P)	19A705800P103
Sixteen (16) Channel with Scan (Option MLMK1R)	19A705800P104

CAUTION

Control panels 19A704991() are not interchangeable with radios using control panels 19A705800(). Mismatching the radios and control panels will result in serious damage to the equipment.

The only tool required to change the CONTROL PANEL is a Phillips head screwdriver.

NOTE

When a new or different CONTROL PANEL is installed, the radio must be reprogrammed using PC programming instructions TQ3342.

INSTALLATION PROCEDURE

CAUTION

Disconnect radio power supply cable from the DC power source before connecting or removing any flex cables. Adjacent pads of the flex cable may momentarily short together if the flex cable is not moved vertically.

1. Remove the top and bottom covers from the radio by removing the four screws at A in figure 1.
2. Remove the FRONT PANEL by removing the four screws at B in figure 1.

Copyright © July 1990, Ericsson GE Mobile Communications Inc.

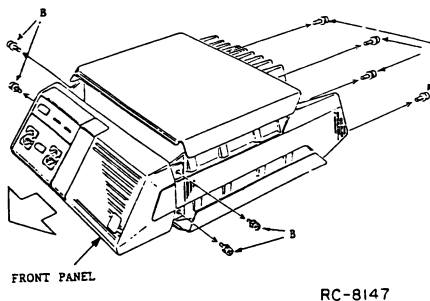


Figure 1

3. Lift the connector lock, see figure 2, and carefully remove the flex ribbon cable from connector J702. Disconnect internal speaker leads from J552/J503.

Note: For first time installation, omit steps 4, 5, and 6

4. Remove the screws securing the CONTROL PANEL as shown in figure 3.
5. While pushing the lock tabs, remove the CONTROL PANEL - towards front of radio.

6. On the CONTROL PANEL, lift the connector lock, see figure 2, and carefully remove the flex cable from connector J801.

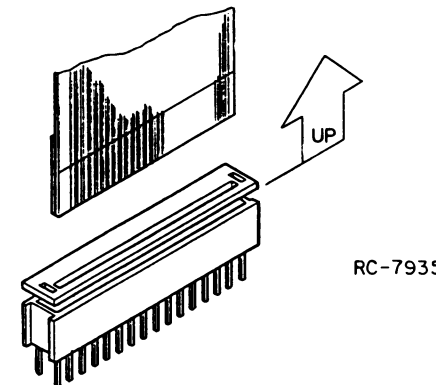


Figure 2 - Connector Unlocked

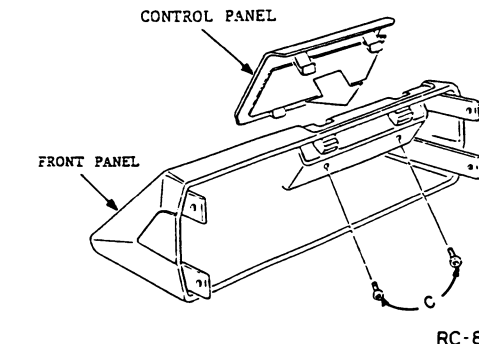


Figure 3

7. Install and secure the CONTROL PANEL to the FRONT PANEL with screws at location C as shown in figure 3.
8. Reinstall the flex cable in J801 on the new optional CONTROL PANEL, see figure 8. Secure the cable by pushing down on the connector lock as shown in figure 4.

9. Carefully refold the flex cable observing the original folds. Figure 5 describes the proper method for folding the cable and figure 6 shows the cable ready for installation.

10. Reinsert the flex cable into J702, observing the original creases. See figure 7 for cable orientation. Secure the cable by pushing down on the connector lock as shown in figure 4. Reassemble the FRONT PANEL to the radio with screws B. (use care handling the flex cable.)

11. Reconnect internal speaker leads to J552/J503. Replace the top and bottom covers and insert screws A.

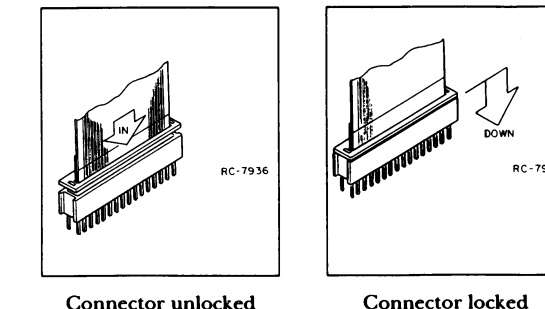
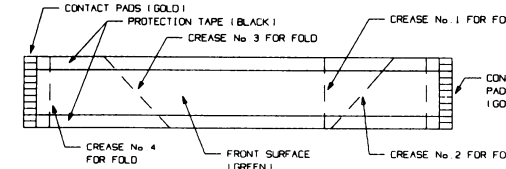


Figure 4

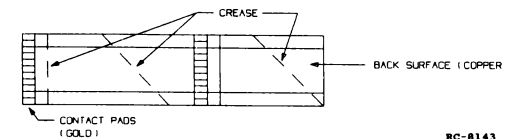
CAUTION

Fold the flex cable by the original creases for installation inside the radio. The wires inside the flex cable may break if the cable is pinched or is folded with sharp corners less than 0.02 inch radius.

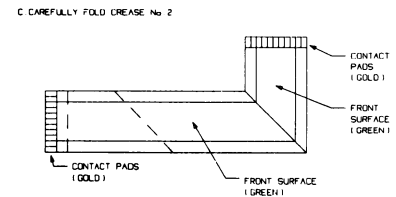
A. FLEX CABLE ARRANGEMENT BEFORE INSTALLATION. THE GOLD CONTACT PADS ARE ONLY LOCATED ON THE FRONT SURFACE (GREEN) OF THE FLEX CABLE.



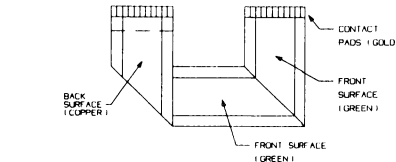
B. CAREFULLY FOLD CREASE No. 1



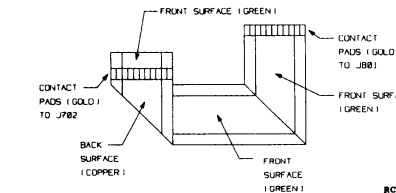
RC-8143



C. CAREFULLY FOLD CREASE No. 2



D. CAREFULLY FOLD CREASE No. 3



E. CAREFULLY FOLD CREASE No. 4

RC-8143

Figure 5

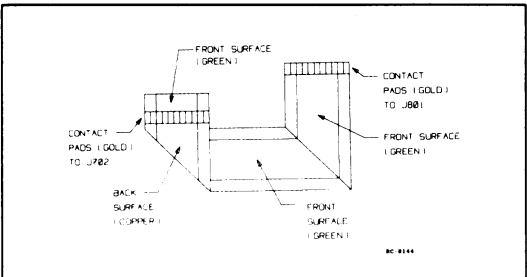


Figure 6 - Flex Cable ZC801 ready for installation

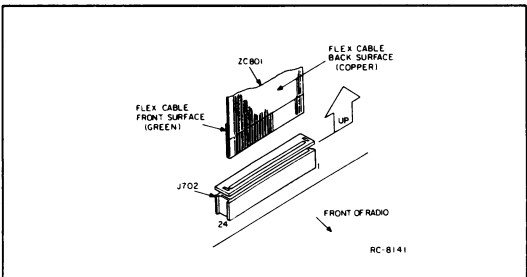


Figure 7 - Connecting Flex Cable to J702 on System Control/Synthesizer Board A801

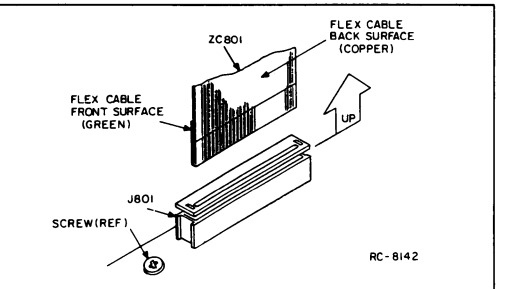


Figure 8 - Connecting Flex Cable to J801 on CONTROL PANEL A804

NOTES



Ericsson GE Mobile Communications Inc.
Mountain View Road - Lynchburg, Virginia 24502