

Installation Instructions C3821-RD1 Radio Interface Cord (Motorola XTL/APX Series)

Description

The C3821-RD1 Radio Interface Cord provides connection between a Series 3800 Radio Interface Module and Motorola XTL/APX series radios or control heads (O5/O9 heads only), thereby making the mobile radio's receive and transmit functions a part of the intercom system.

Installation

The C3821-RD1 has a military type screw-on connector on one end and an XTL/APX compatible connector with two flying leads on the other end.

1. 3800 Radio Interface Module connection

- a. In all cases, align the key-way on the military connector with the key on the Radio Interface Module connector.
- b. Push until firmly seated and hand-tighten the swivel nut.

2. XTL/APX Radio connection – see figures below

Receive audio level is controlled by the radio/control head's volume control. For fixed-level volume, contact the factory for more information.

a. Transceiver

- i. Connect the trapezoidal 26-pin connector to the J2 connector on the back of the radio.
- ii. Cut the flying leads flush and protect with heat shrink tubing.

b. Control head

- i. Connect the trapezoidal 26-pin connector to the J100 connector on the back of the control head.
- ii. Connect the green and black flying leads to J200 pins 1&2, respectively. This connection is in parallel with the external speaker, if equipped.

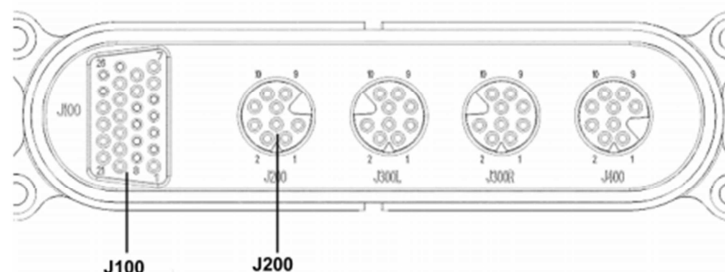
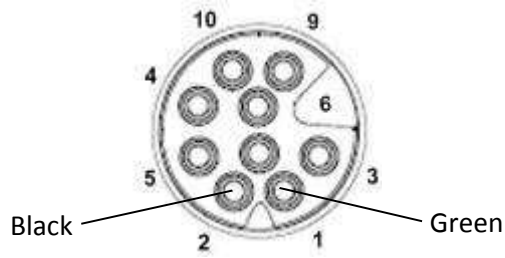


Fig. 1



J200 Power and Audio Connector

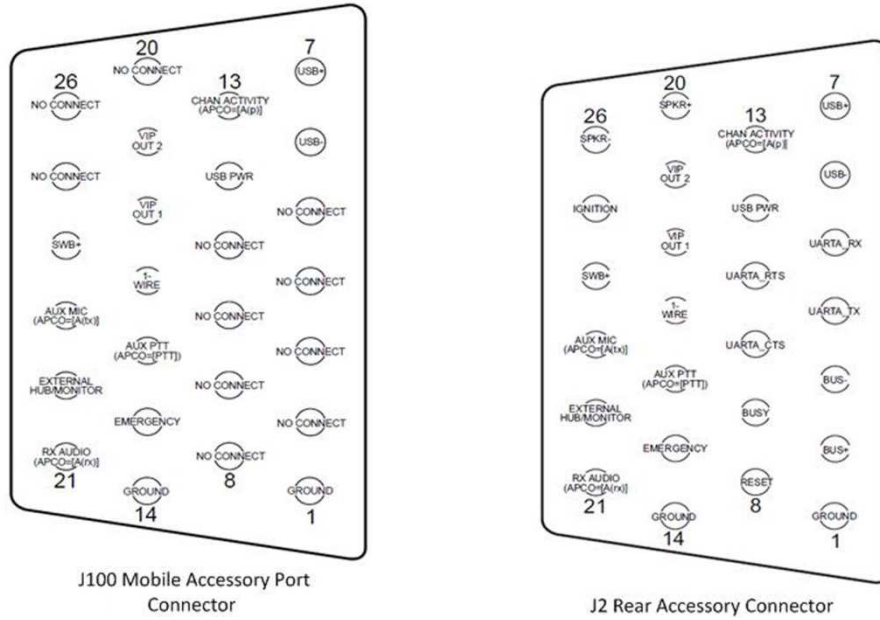


Fig. 2

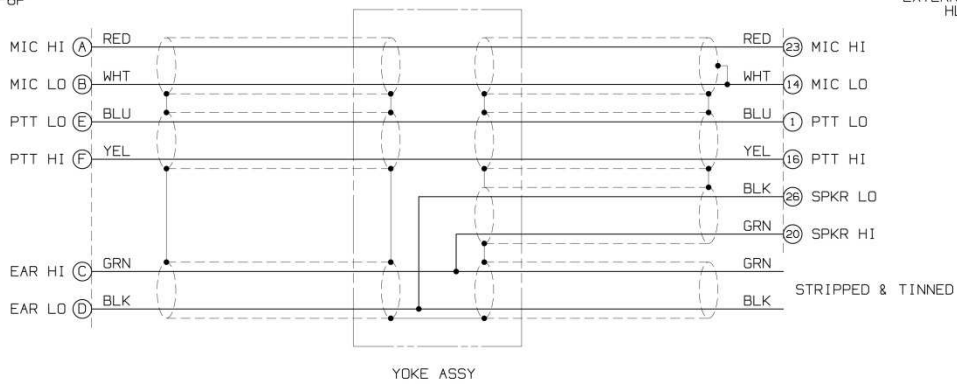
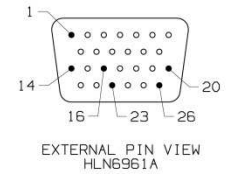
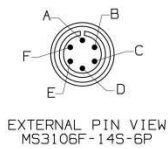


Fig. 3