Appendix C
Strap Options

STRAP OPTION SELECTION

Modem configuration is controlled by front panel pushbuttons and the LCD, AT or V.25 bis commands, and hardware option straps located on the pc board. Normally straps do not have to be changed. If a change is required, remote the modem cover to access the option straps. The strap diagrams on the following pages indicate the factory settings.

Removing the Cover

⚠ Warning

Disconnect ac power before removing the cover. Although dangerous voltage levels are not exposed, disconnecting power ensures an electrical shock hazard is not present.

Place the unit on its side on a flat surface. To disengage the lock prong from the lock clip insert a medium size flat screwdriver blade in one of the latch slots. DO NOT PUSH the screwdriver but lightly pry the handle away from the unit as illustrated in Figure C-1. Assist removal by pushing the cover from the chassis with your fingers on the unit rear edges. Repeat this procedure with the remaining three latch slots.
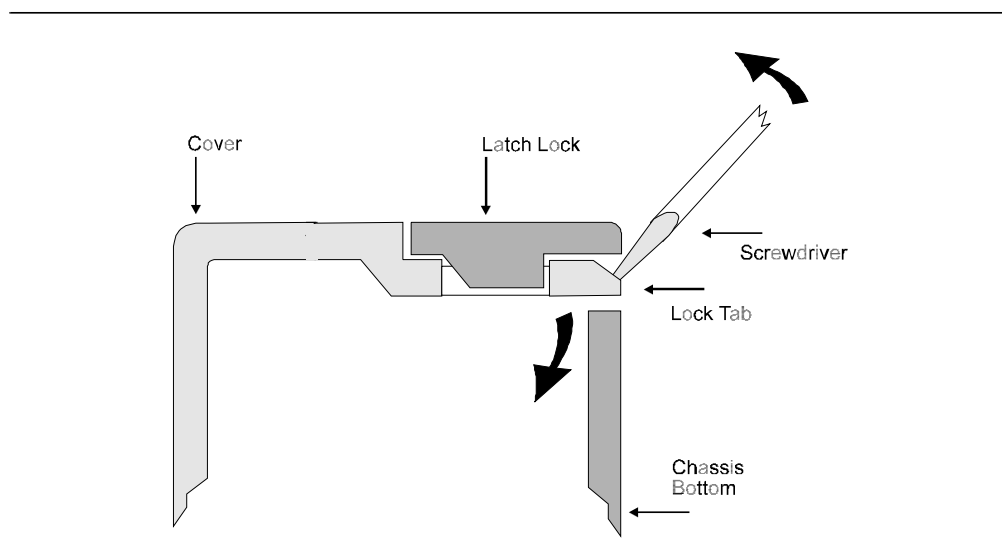

Figure C-1 Cover Removal

Figure C-2 shows strap locations and Figure C-3 shows typical strap configurations.

To replace the cover align the lock clips, rear guide grooves, and front lock tabs. Press the cover in place until the lock clips engage the lock prongs.
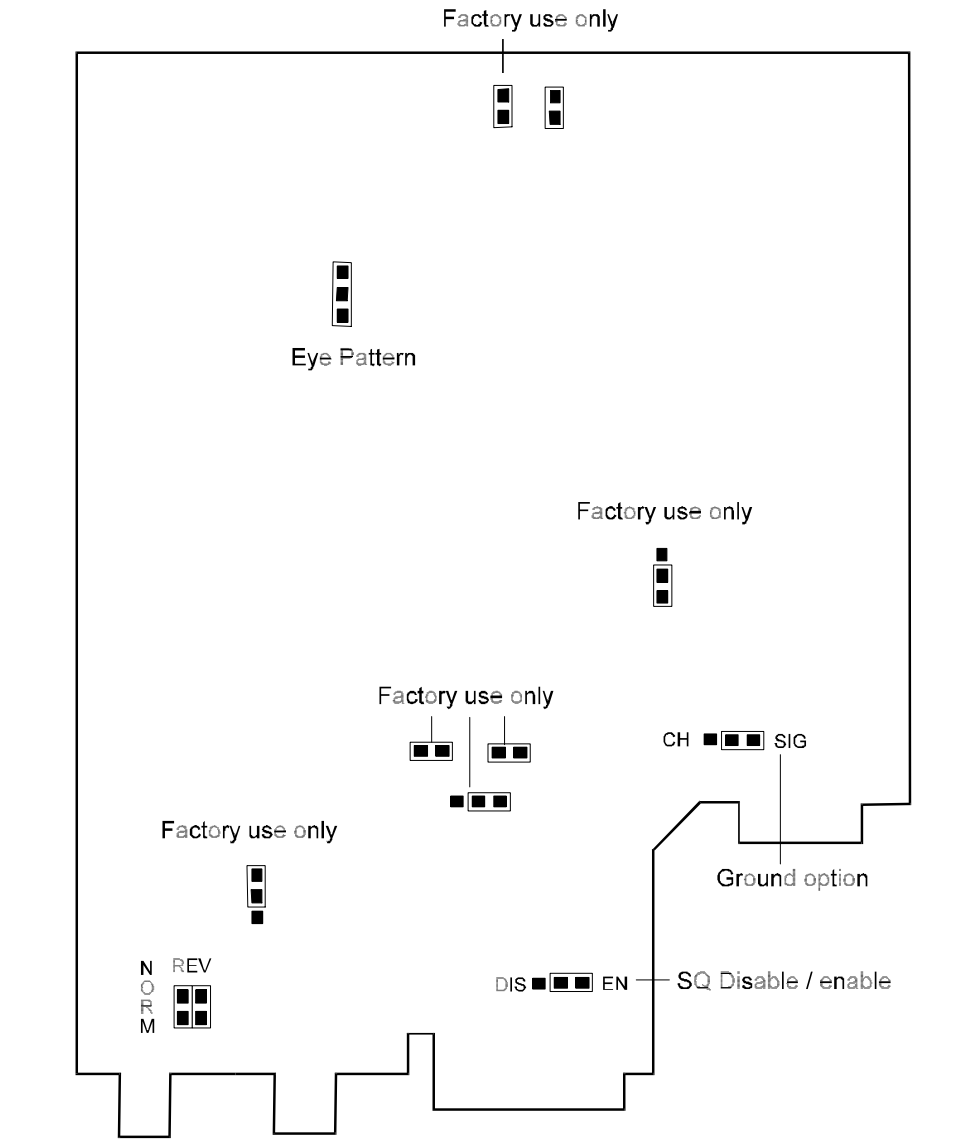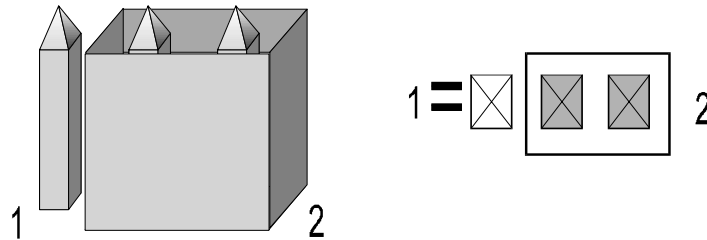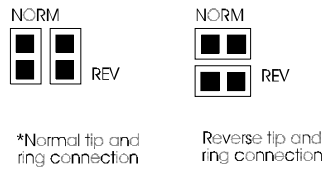

Figure C-2 Strap Locations

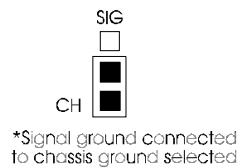*Figure C-3 Typical Strap Configuration*

HARDWARE STRAPS

Tip and Ring Polarity

Some telephones are tip and ring polarity sensitive. If a dial tone is detected after dialing, reverse these two straps.
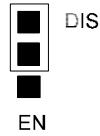

Ground Option Strap

Signal ground is normally connected to chassis ground. If interference exists, isolate signal ground from chassis ground.

* factory setting
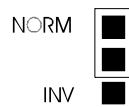
QM Disable Option

When enabled, the Quality Monitor (QM) output is connected to the EIA-232 (pin 11) interface. Disabling it disconnects the QM output. Refer to Chapter 4 and Table 2-1 for more QM information.

☐ DIS

*QM output (disabled) not connected to
EIA-232 interface

QM Normal/Inverted

This strap selects normal or inverted QM output.

NORM

INV

*QM output is normal
(QM signal going high indicates poor signal quality)

factory setting