KP 12 CLD RVON-2 Option Card
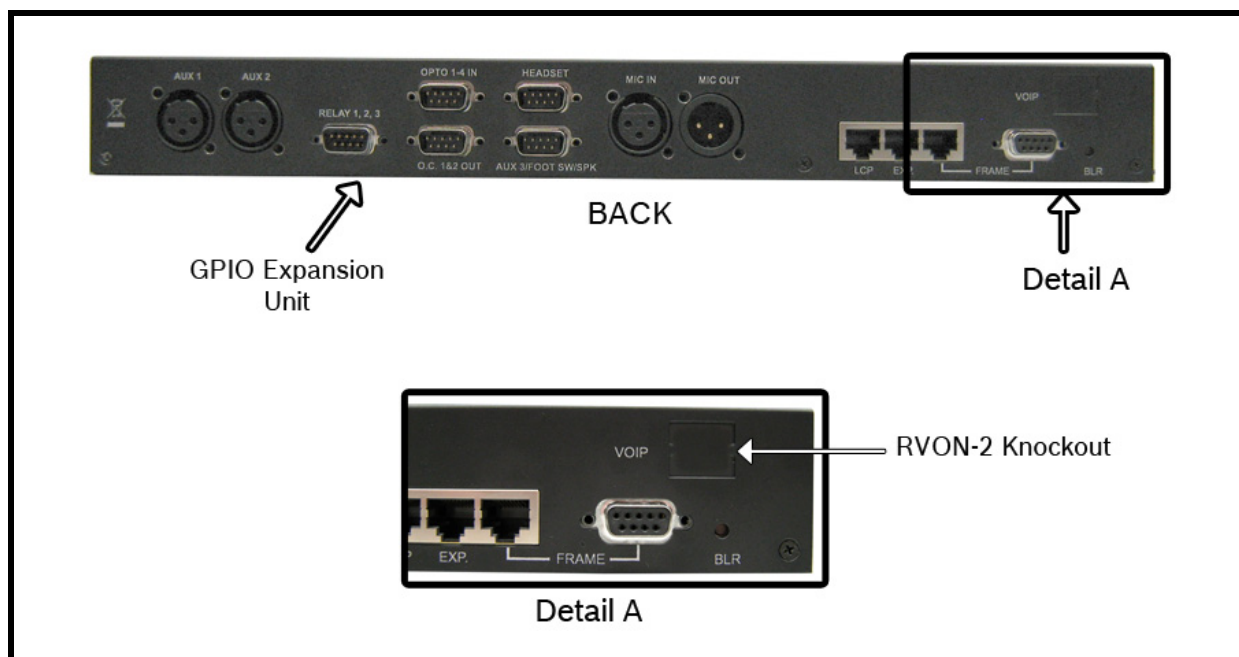# Installation Instructions

The RVON-2 option card allows you to install VoIP technology into the keypanel.

IMPORTANT: Be sure to remove the knock-out piece on the rear panel of the GPIO Expansion unit.

NOTE: You must have the GPIO expansion unit installed to use an RVON-2 card. However, coupling a KP 12 CLD and an RVON-I/O gives you RVON capabilities, as well.

To **install the RVON-2 Option card in the GPIO Expansion Unit**, do the following:

NOTE: You do not need to uninstall the GPIO Expansion Unit from the KP 12 CLD when you install the RVON-2 Option Card.

FIGURE 1. GPIO Expansion Unit — RVON-2 Knock Out

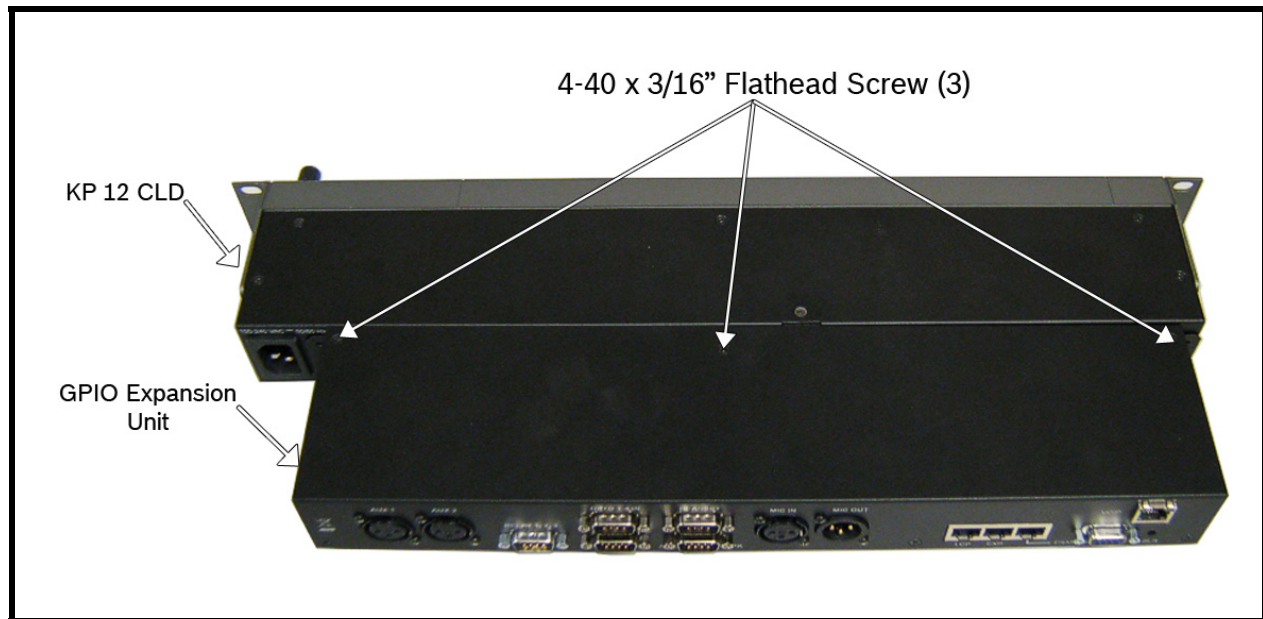1.   Using a screwdriver, remove the **three (3) screws** on the top of the GPIO expansion unit.

FIGURE 2. GPIO Expansion Unit — Top Panel Screw Removal

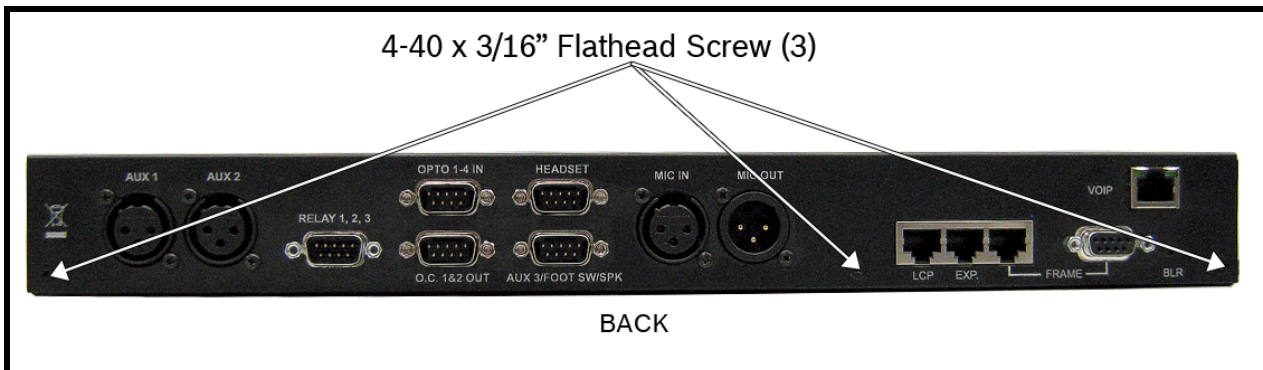2. Remove the **three (3) screws** from the back panel of the GPIO expansion unit.

FIGURE 3. GPI Expansion Unit — Back Panel Screw Removal

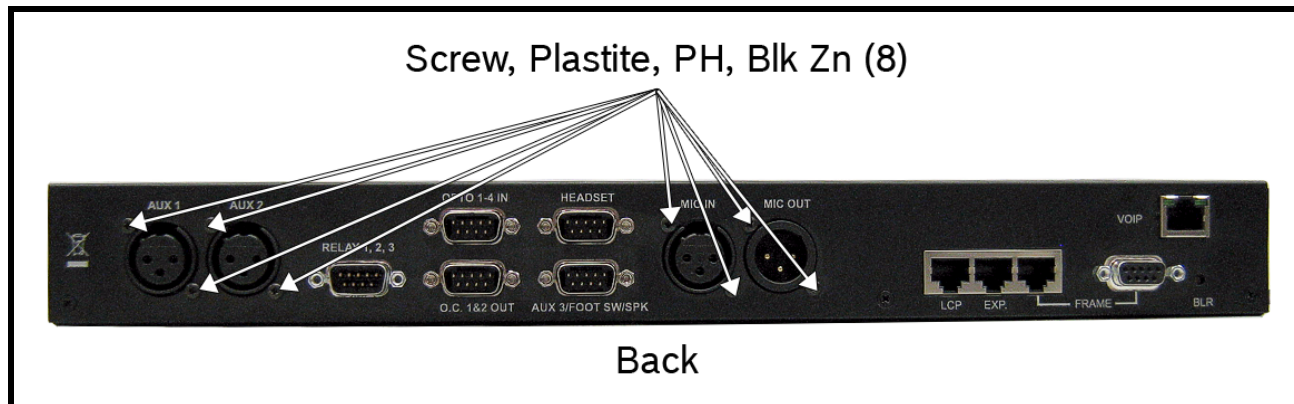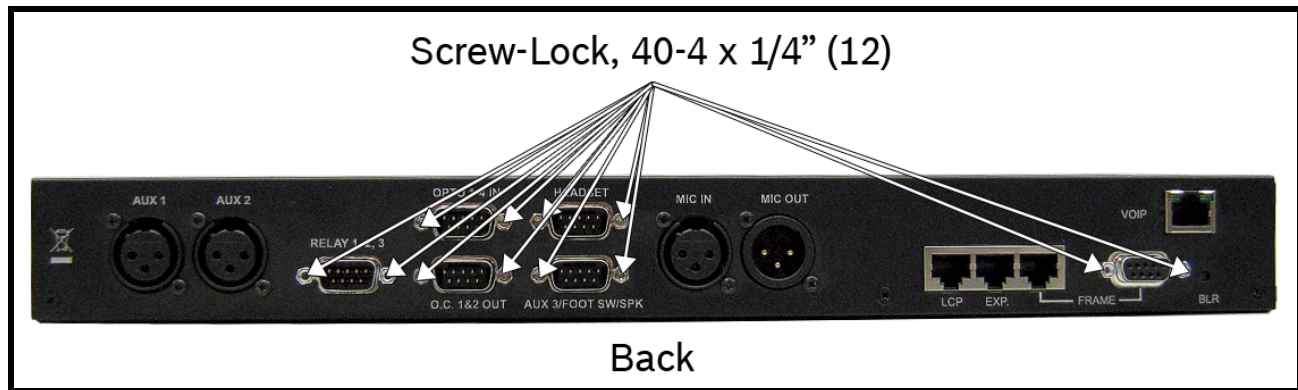3. Remove the **XLR connector screws (8)** (shown in Figure 4).

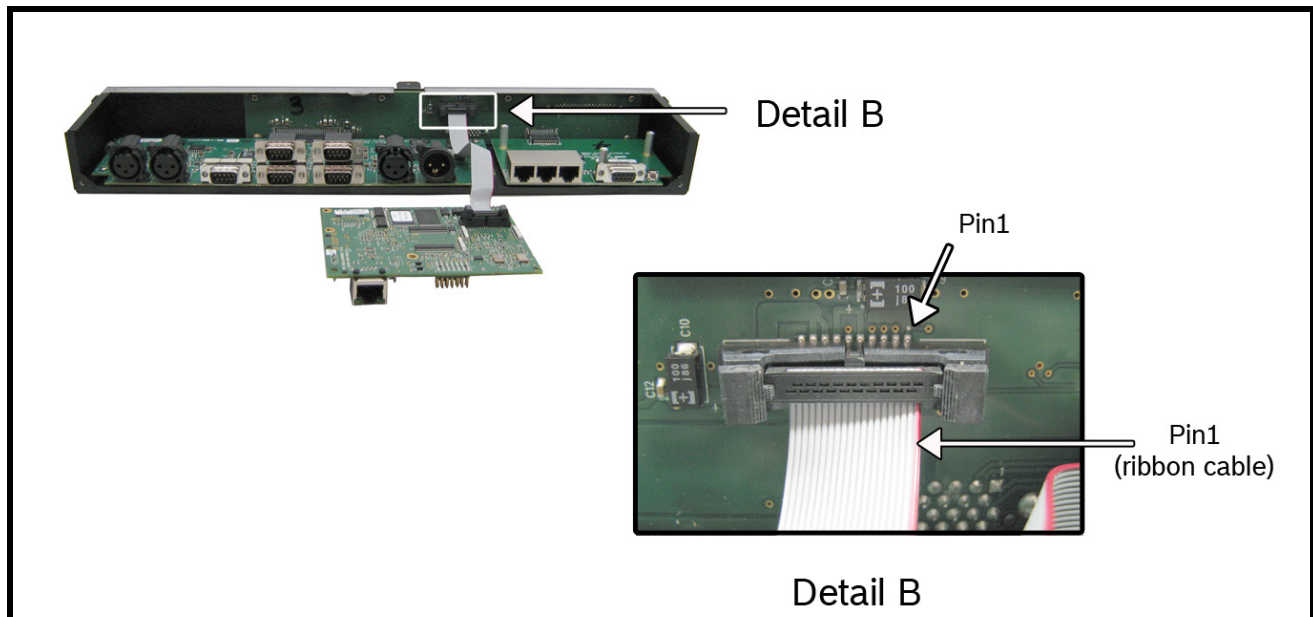**FIGURE 4.** GPIO Expansion Unit — XLR Connector Screws

4. Using a 1/4" nut driver, remove the **DB-9 connector hex screws** (12) (shown in Figure 5).

FIGURE 5. GPIO Expansion Unit — DB-9 Hex Screws

5. Carefully slide the top/back chassis to remove the **back panel** and set it aside.
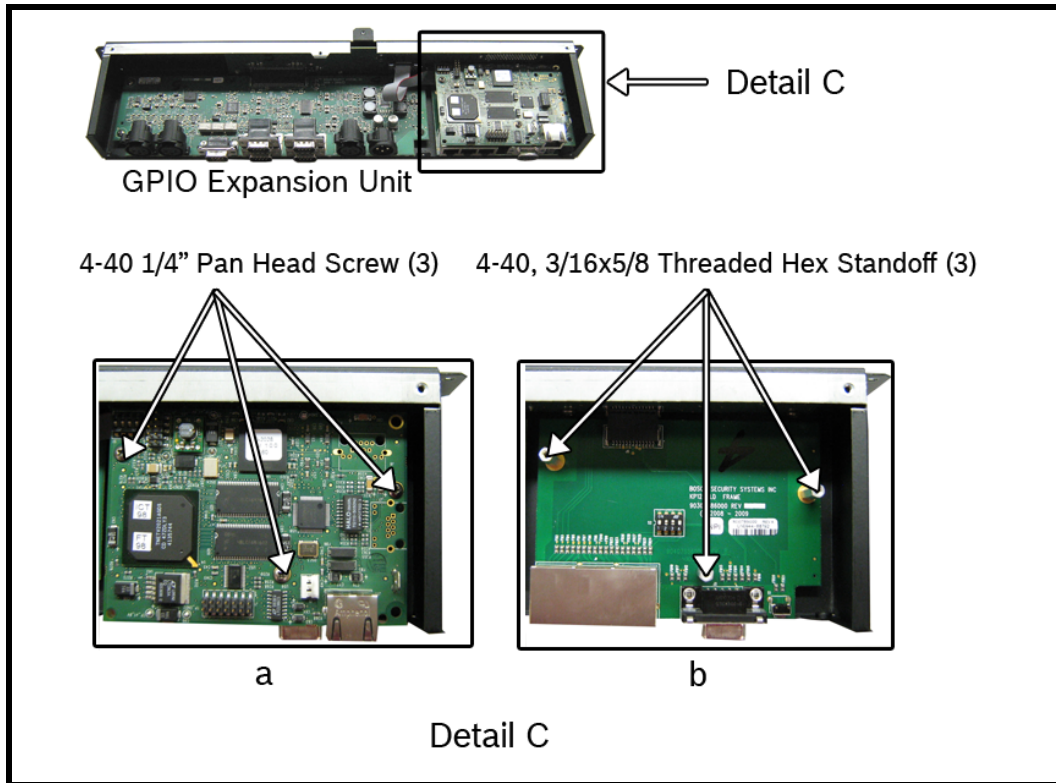6. Attach the **provided ribbon cable** to J10 on the RVON-2 card.

IMPORTANT: Do not connect the ribbon cable backwards, unintended results may occur. Align the red wire in the ribbon cable with pin 1 on the RVON-2 card (see Figure 6).

FIGURE 6. GPIO Expansion Unit — J5 Connector

7. Securely connect the **RVON-2 Option Card ribbon cable** to the J5 connector of the GPIO expansion unit. See Figure 6.

8. Place the **RVON-2 card** in the expansion unit, aligning the screw holes in the board with the metal standoffs in the GPIO expansion unit. See Figure 7.

FIGURE 7. RVON-2 Option Card — Screw (a) and Standoffs (b)

9. Using a screwdriver, connect the **three (3) screws** that hold the RVON-2 option card in place in the GPIO expansion unit.

10. Using the screws removed in steps 1 through 4, attach the **cover** to the expansion unit.

11. Power on the **KP 12 CLD** unit.