



CDPD BOOSTER KIT

FIELD INSTALLATION GUIDE

VERSION 1.0

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CDPD BOOSTER KIT PN 06100-00048

PARTS SUPPLIED

1	Booster Amplifier, PN 01270-00003
1	Power Supply, PN 01100-00027
1	SMA Female to TNC Male Adapter, PN 01060-00362
1	SMA Male to TNC Male Coax Cable, PN: 09120-00008

TOOLS REQUIRED

Wire Cutter/Stripper

OPTIONAL EQUIPMENT

Antenna (high-gain), PN 01270-00004

20-Ft Extension Cable, PN 09600-00067

INSTALLING THE BOOSTER KIT

Unpack Booster Kit. Verify all components are present in the kit.

Follow these steps to install the Booster Kit components:

1. Open ATM control panel. Turn OFF ATM power supply. Open the ATM security vault.
2. If installed, disconnect the existing antenna cable from the CDPD Modem PCB (PN 09600-02070). Connect the SMA end of the SMA Male-to-TNC Male adaptor cable to the antenna jack on the CDPD Modem PCB. See Figure 1, CDPD Booster Kit Interconnect, which shows the cabling connections.
3. Starting inside the ATM upper enclosure, route the free end of the SMA Male-to-TNC Male adaptor cable down through the access hole in the top of the security vault. Route the cable through the existing cable clamps, if possible and out the access hole in the lower rear wall of the vault, as shown in Figures 2 and 3. Connect to the INPUT jack of the Booster Amplifier.

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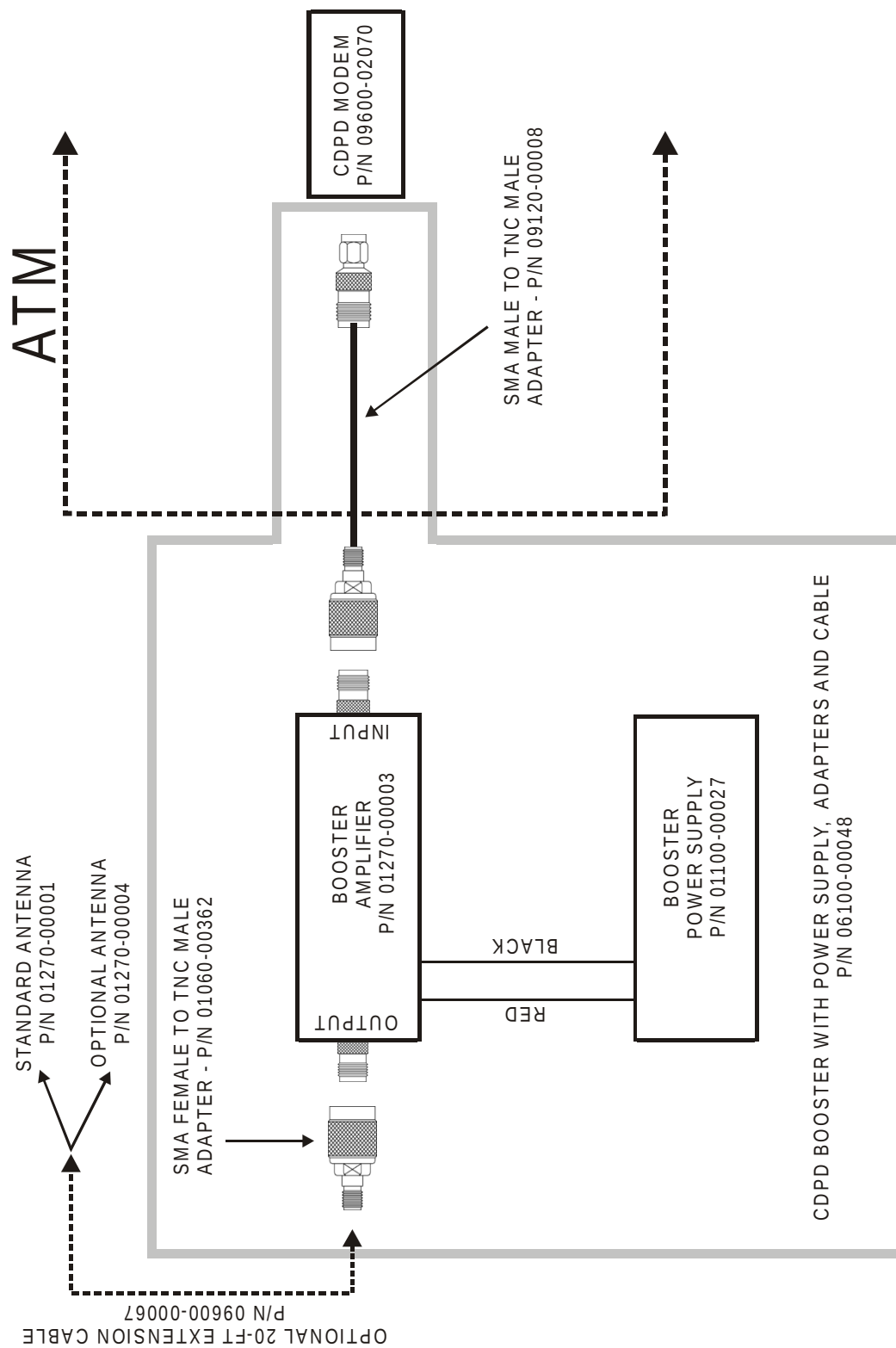


Figure 1. CDPD Booster Kit Interconnect.

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4. Cut the existing terminals from the ends of the red and black booster-amp power supply wires.
5. If booster amplifier wires are pre-stripped, skip this step. If wires are NOT pre-stripped, use a wire-stripping tool (set for 18-gauge) to remove approximately one-half inch of insulation from the BLACK and RED wires.
6. Press down the lever on the BLACK (-) wire terminal at the rear of the power supply module. This opens the wire terminal. If the lever does not catch in the down position, maintain downward pressure to keep the terminal open. Feed the bare conductor at the end of the BLACK wire completely into the opening in the terminal. Release the lever to secure the wire.
7. Connect the RED booster-amp wire to the RED (+) terminal, using the procedure in the previous step.
8. Connect the antenna cable to the SMA Female-to-TNC Male Adapter. Connect the antenna cable with adapter attached to the OUTPUT jack of the Booster Amplifier. Place Booster Amplifier/Power Supply and antenna in designated mounting location.

WARNING!

The antenna must not be attached to any metal or metallic surface!

9. Turn ATM power supply ON. Turn on Booster Amplifier. Ensure power indicator on booster amplifier illuminates.
10. Close and lock the security vault. Close and lock the ATM control panel.

OPTIONAL

The optional 20-ft Extension Cable can be used to place the antenna further away from the Booster Amplifier. Connect one end of the extension cable to the SMA FEMALE-to-TNC MALE adapter and connect to the OUTPUT jack of the Booster Amplifier. Connect the antenna cable to the free end of the extension cable.

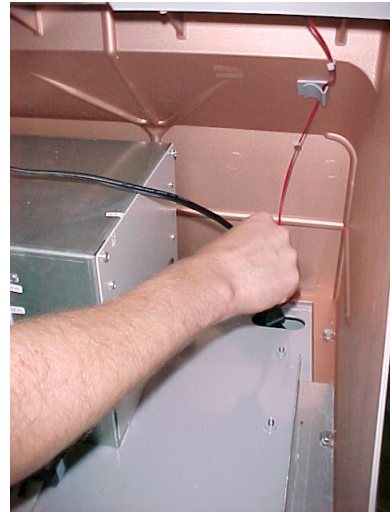


Figure 2. Feed cable through access hole in top of vault.



Figure 3. Feed cable out access hole in rear of vault.