6820

6820, 6821, 6822

Printer Terminal Holder

Installation Instructions

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About These Instructions

A terminal holder connects Intermec computers to the 6820, 6821, or 6822 printers. These instructions explain how to install the holder in the printer.

For simplicity, these instructions refer to all compatible printers as the 6820. Differences between installing the holder in a fixed printer or in a portable printer are called out where appropriate.

Holder Installation Kit Contents

Note: Your installation kit may come with cables. These are not necessary for installing the terminal holder and should be discarded.

Item	Computer	Part Number
Holder assembly (1 ea.)	700/700C	203-645-101 203-693-102 (Bluetooth, for fixed printers only)
	CK61	203-739-101 203-739-102 (Bluetooth, for fixed printers only)
	CN3	203-842-001 203-881-001 (Bluetooth, for fixed printers only)
	CN3e	203-872-001 203-882-001 (Bluetooth, for fixed printers only)
	CN4	203-908-001 203-910-001 (Bluetooth, for fixed printers only)
	CN4e	203-909-001 203-911-001 (Bluetooth, for fixed printers only)
Flathead screws, 8-32 x 1.25 in (4 ea.)	All	801-115-000 (for portable printer) 800-562-001 (for fixed printer)
Spacers (4 ea.)	CN3/CN3e, CN4/CN4e	642-874-001 (for portable printers only)
Adapter (1 ea.)	CN3/CN3e, CN4/CN4e	642-850-001 (for fixed printers only)

If you are installing a Bluetooth-enabled holder, you also need:

- the 6820 Printer Configuration Utility.
- a programming cable (P/N 226-270-001) to connect the printer to your PC.

The Bluetooth-enabled holder in this kit must be installed by a qualified technician. The hardware in this kit is warranted for 1 year. If the hardware is installed by non-Intermec-authorized service personnel and there is a hardware failure, at Intermec's sole discretion, if the cause of this failure is determined to be related to improper installation of the Bluetooth-enabled holder, any warranty periods remaining for any components of the kit will be voided. Any costs associated with the remediation of such failures will be the responsibility of the user.

Tools Required

You need these tools to install the holder in the printer:

- #1 Phillips screwdriver
- #0 Phillips screwdriver

Installing the Holder

1. Remove the existing holder.
2. Install the cables for the new holder.
3. Install the new holder.
4. Insert the computer to test the printer connection.
5. Configure the printer to communicate with your computer.

These steps are explained in the next sections.

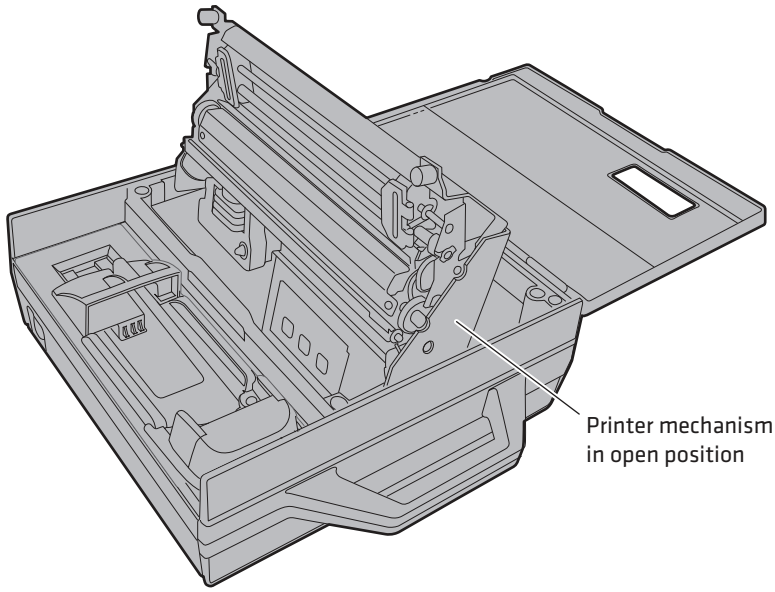
Removing the Existing Holder

The steps for removing the holder are different depending on whether the 6820 printer is fixed or portable:

- For a portable printer, see the next procedure.
- For a fixed printer, see **"To remove the existing holder from a fixed printer" on page 9.**

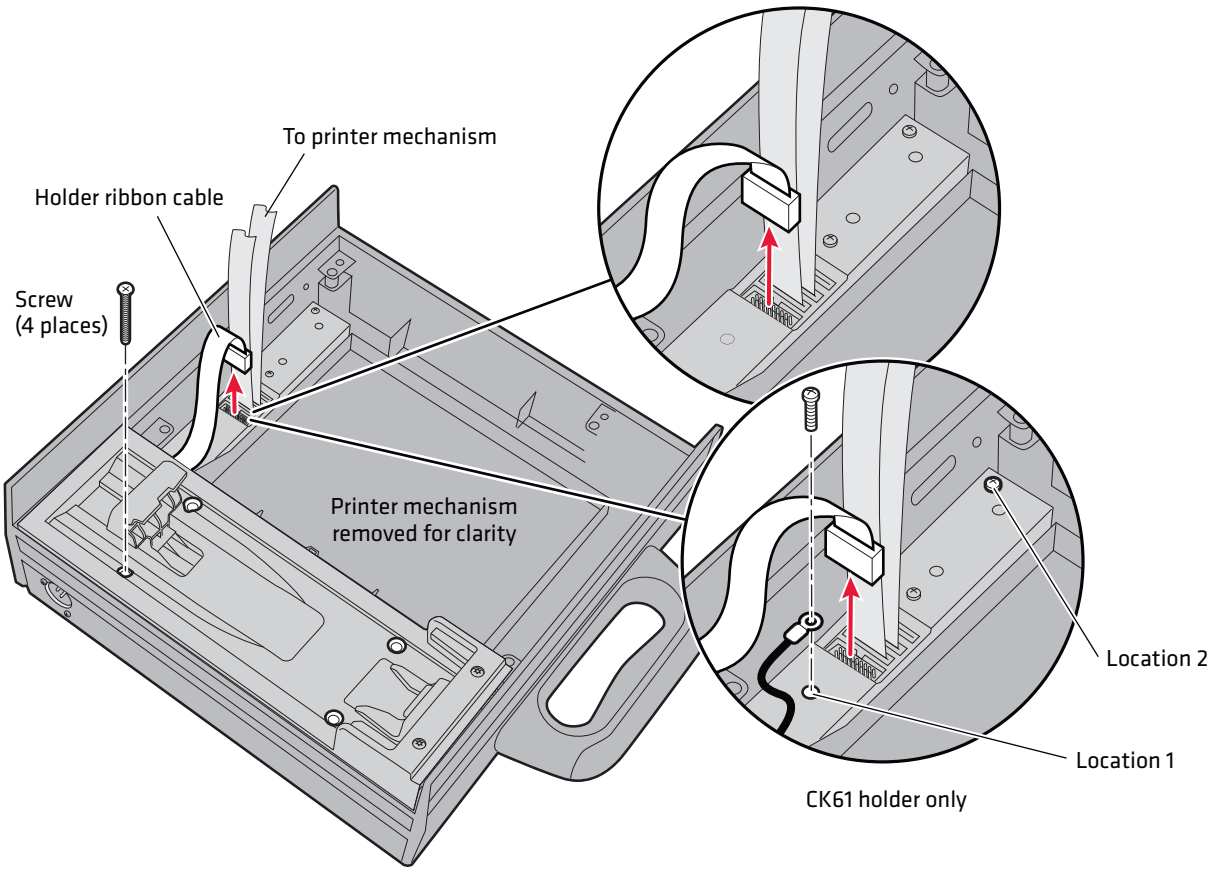
To remove the holder from a portable printer

1. Disconnect external power and remove the internal battery (if installed) from the printer.
2. Open the printer lid.
3. Lift and tilt the printer mechanism to the open position.



4 Locate and disconnect the holder ribbon cable from the connector board inside the printer, and separate the cable from the double-sided tape on the connector board cover. The cable is located on the same side as the green thumb wheel and is not attached to the printer mechanism.

Note: As seen in the next illustration, older CK61 holders may also include a long braided ground cable installed at either Location 1 or Location 2 inside the printer. Remove the screw to disconnect the ground cable and replace the screw in the same location.



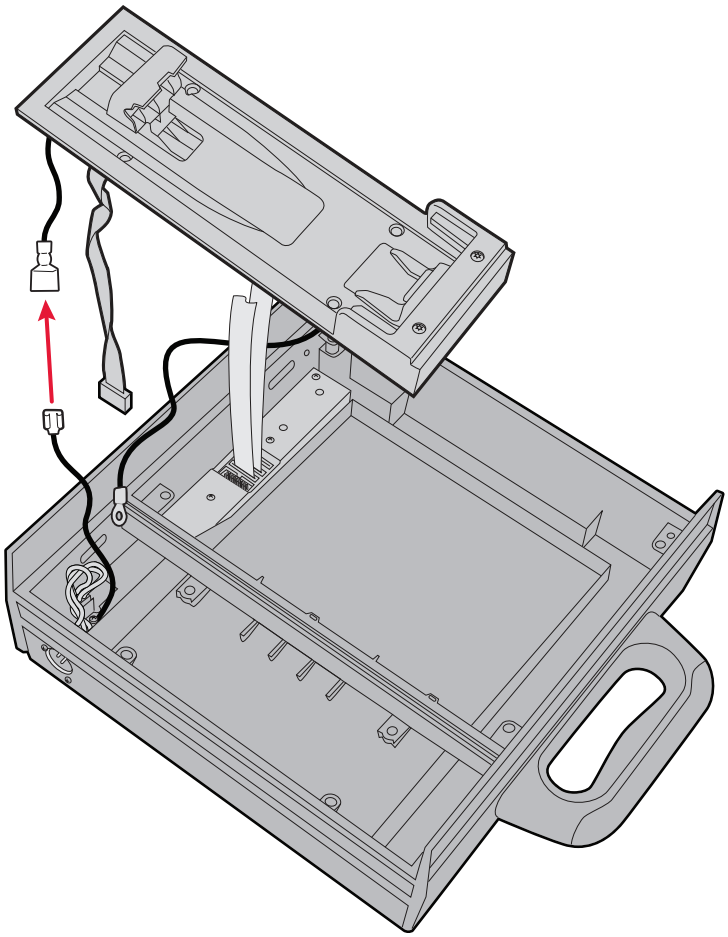
Disconnecting the CK61 Holder Cables: *In addition to the ribbon cable, the CK61 holder (shown above) may also have a ground cable attached at Location 1 or Location 2.*

5 Tilt the printer mechanism back into place.

6 Remove the four flathead screws that secure the existing holder to the printer.

7 Lift the holder from the printer. The holder is still connected to the printer by a ground cable.

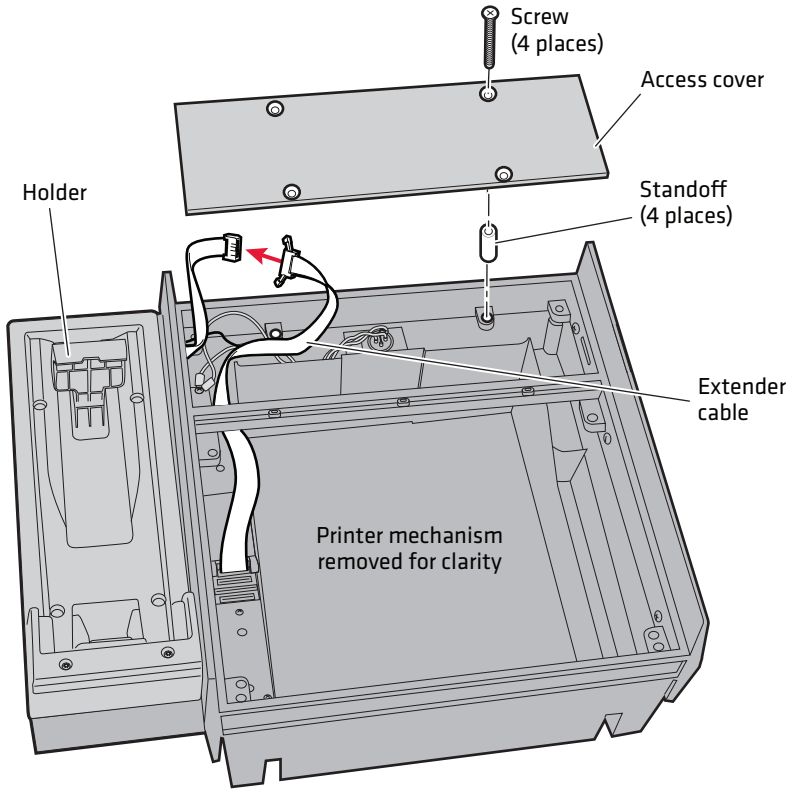
8 Disconnect the ground cable and carefully pull the ribbon cable out from under the printer mechanism. You may need to lift the mechanism out of the way.



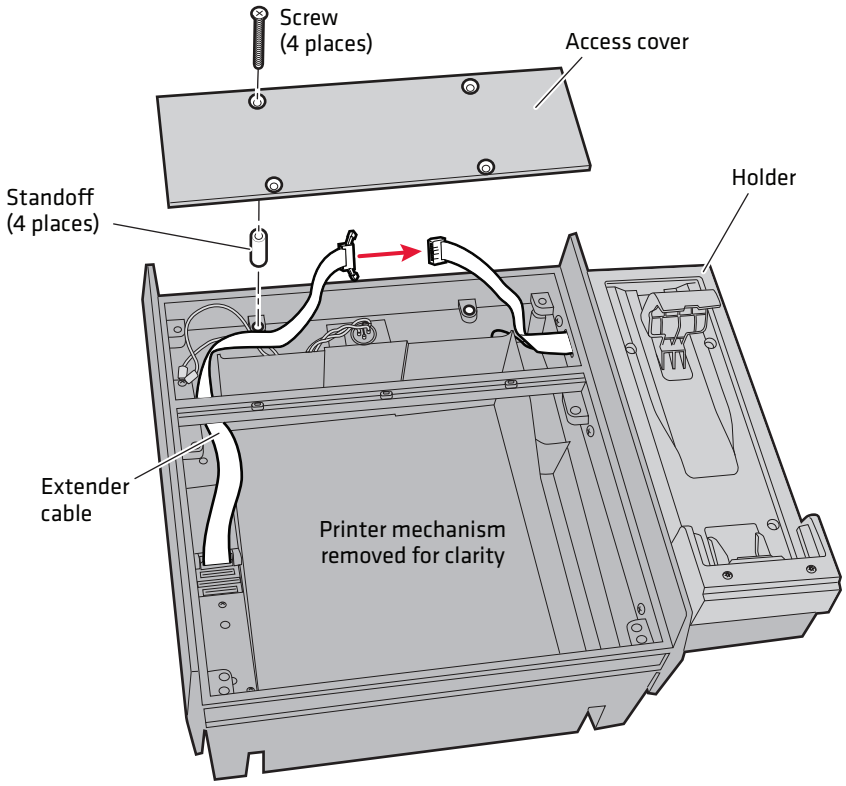
Removing the Holder: *Disconnect the ground cable under the holder to remove the holder from the printer. Older CK61 holders may have two ground cables as seen here.*

To remove the existing holder from a fixed printer

1. Remove the four screws that secure the access cover and remove the cover from the printer. Be careful not to lose the standoff under each screw.
2. Disconnect the ribbon cable from the extender cable in the printer.



Disconnecting Cables For a Left-Side Holder

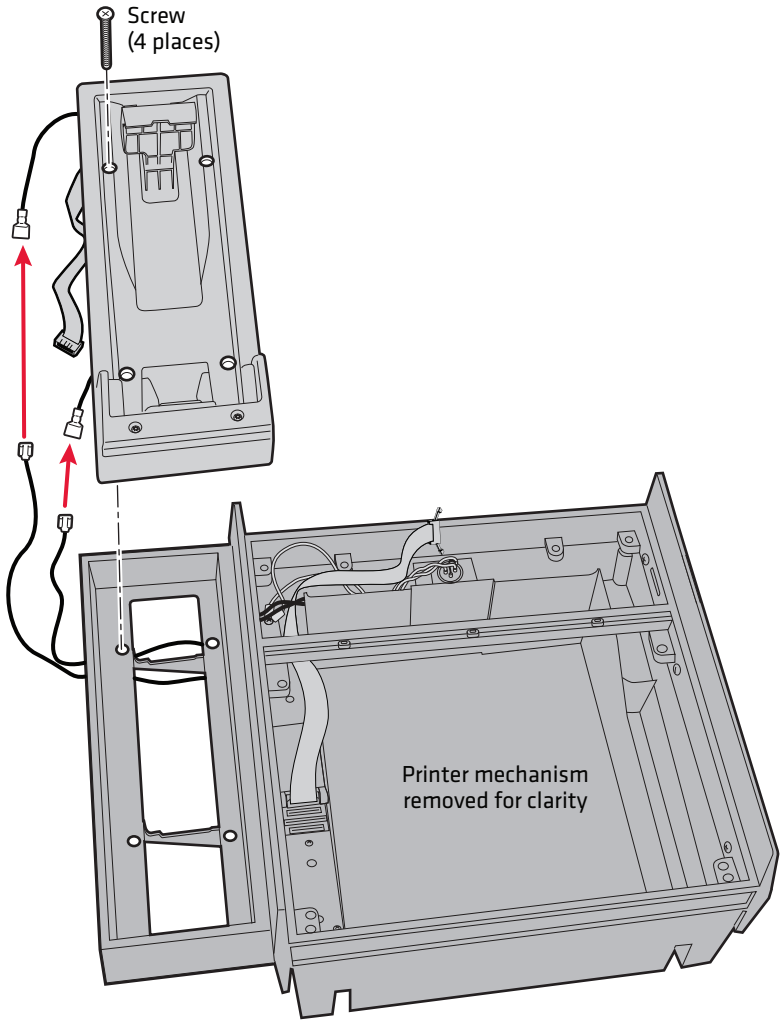


Disconnecting Cables For a Right-Side Holder

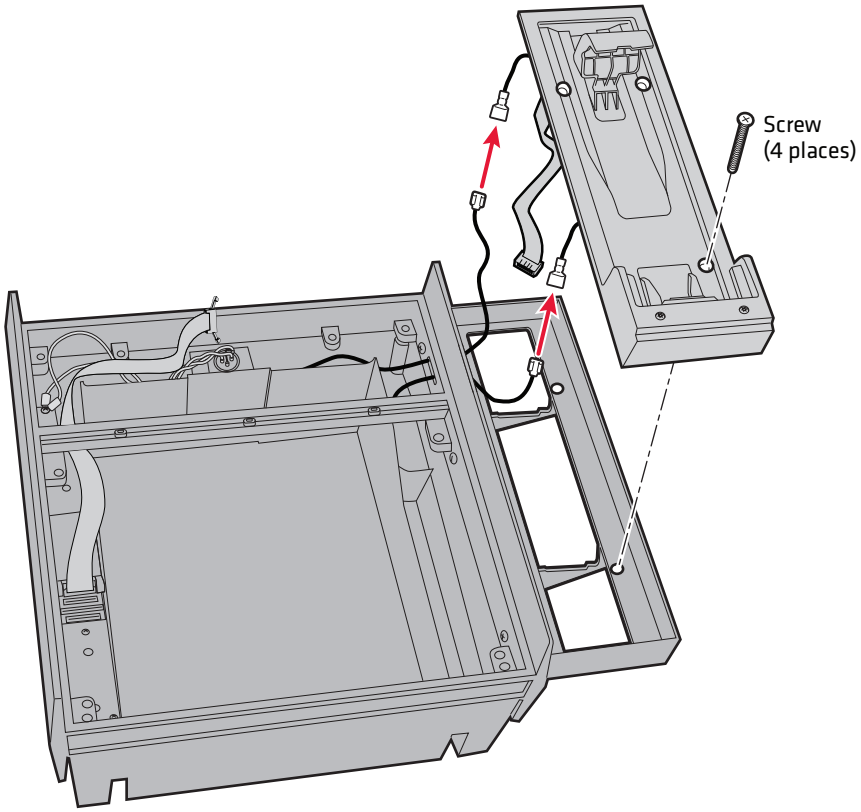
3 Remove the four flathead screws that secure the holder to the printer.

4 Lift the holder from the printer, disconnect the ground cable from the extender cable, and remove the holder.

Note: Older CK61 holders may have two ground cables that must be disconnected before removing the holder from the printer as seen in the next illustrations.



Removing the Existing Holder (Left-Side): *All holders have one ground cable that must be disconnected, except for older CK61 holders (shown above) which have two.*



Removing the Existing Holder (Right-Side): *Older CK61 holder with two ground cables shown here.*

Installing Cables in the Portable Printer

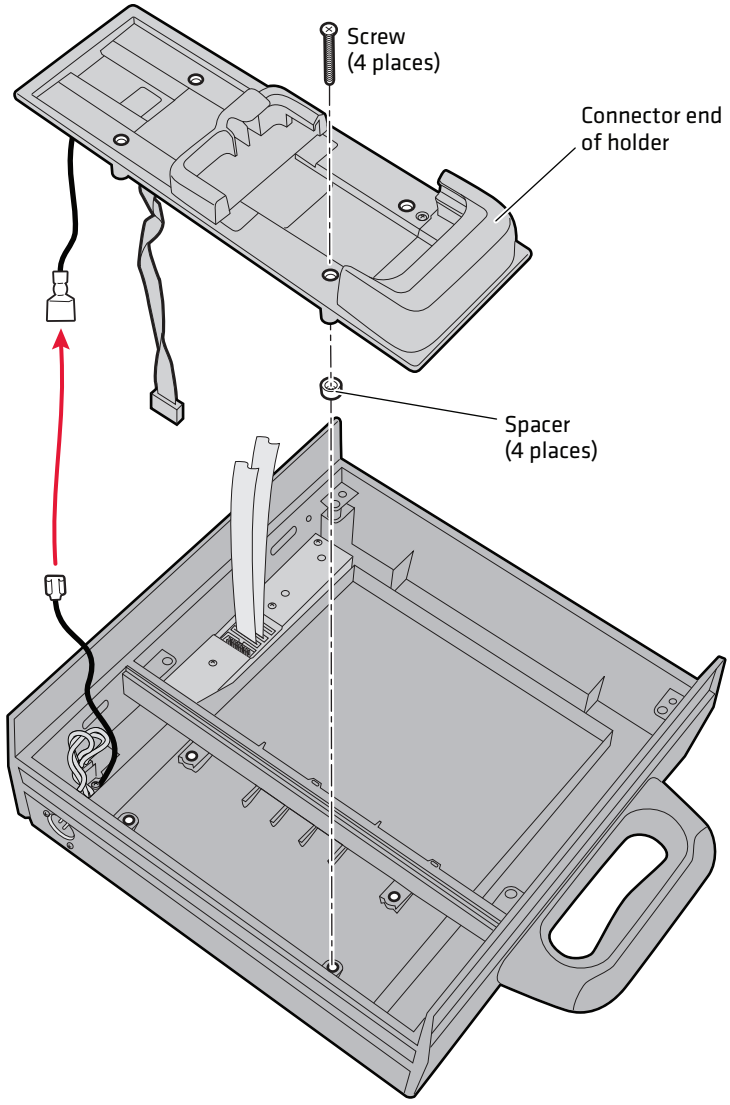
Follow the procedure in this section to install the cables for all holders in the 6820 portable printer.

To install cables in the portable printer

1. Lift and tilt the printer mechanism to the open position.
2. For the 700 and CK61 holders, continue with the next step.

   For the CN3/CN3e and CN4/CN4e holders, place four spacers (P/N 642-874-001) on the feet of the holder assembly.

3 Position the holder over the printer with the connector end of the holder towards the printer handle.



4 Route the ribbon cable into the bay, under the printer mechanism, and out the other side.

5 Insert the ribbon cable connector into the connector in the printer. The connector is keyed and can only be inserted one way.

6 Tilt the printer mechanism back into place.

7 Insert the metal connector on the end of the printer ground cable into the connector on the holder ground wire. Make sure the connectors are fully seated.

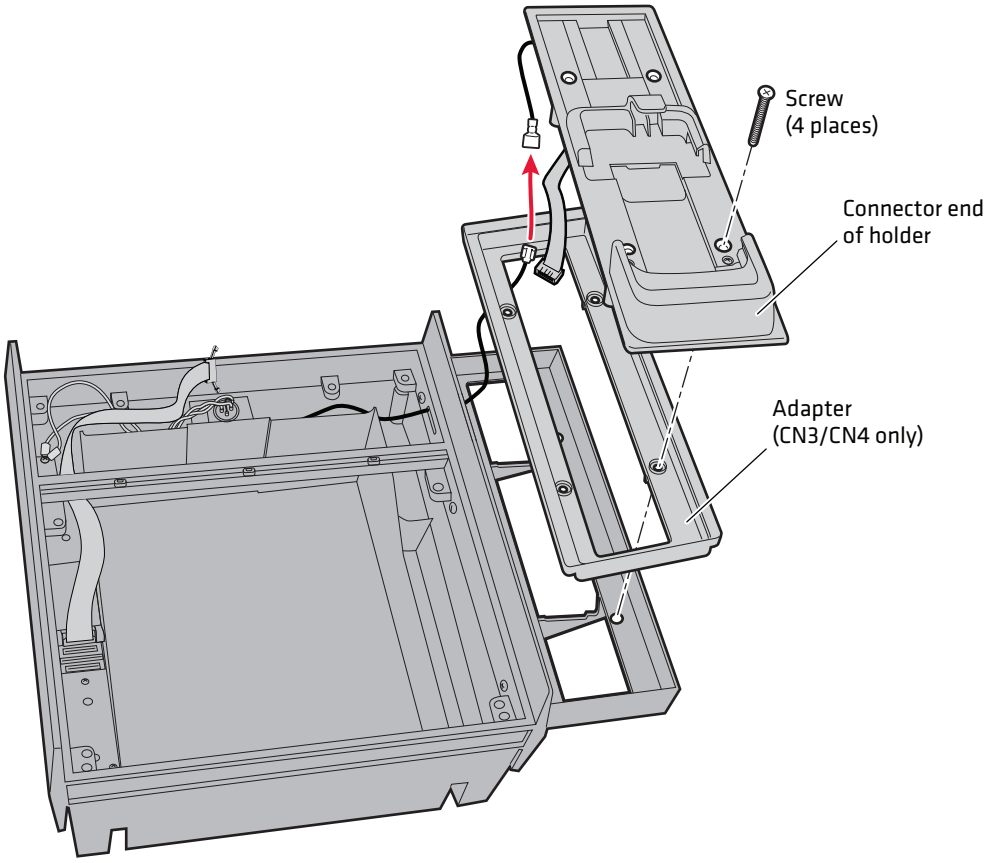
If you are replacing an older CK61 holder, connect the new holder ground cable to either one of the printer ground cables.

8 If you are installing a Bluetooth-enabled holder, place the new FCC label over the existing FCC label inside of the printer case. The new label indicates that related parameters have changed.

Installing Cables in the Fixed Printer

1. Position the holder near the mounting bay. The connector end of the holder should be closer to the 6820 front panel buttons.
2. For the 700 or CK61 holder, continue with the next step.

   For the CN3/CN3e or CN4/CN4e holder, route the cables through the bottom of the adapter (P/N 642-850-001) and place the holder in the adapter.

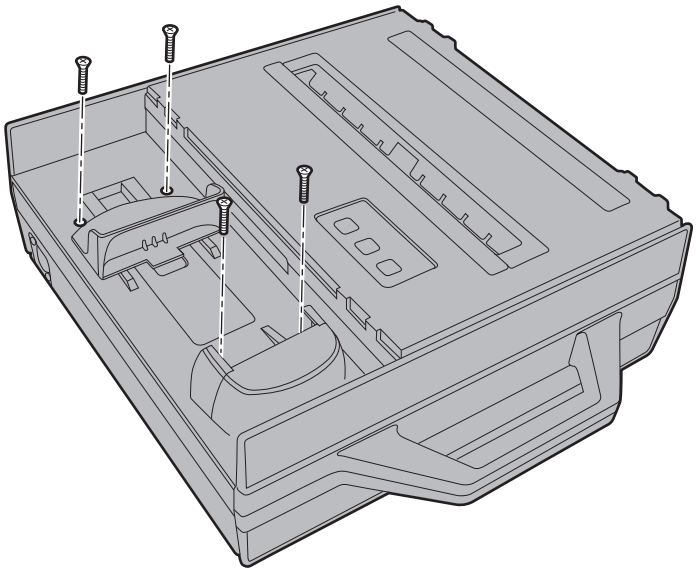


3. Route the ribbon cable into the printer through the slot in the side of the case.
4. Connect the cable to the ribbon cable extender and lock the connectors.
5. Connect the holder ground cable to the printer ground cable. Make sure the connector is fully seated.

   If you are replacing an older CK61 holder, connect the new holder ground cable to either one of the existing extender cables. Route the extra cable back into the printer and place it into the empty area outside the paper tray.
6. Inside the printer cable area, place the access cover standoffs over the screw holes and replace the printer access cover. For an illustration, see **"To remove the existing holder from a fixed printer" on page 9.**

Installing the New Holder

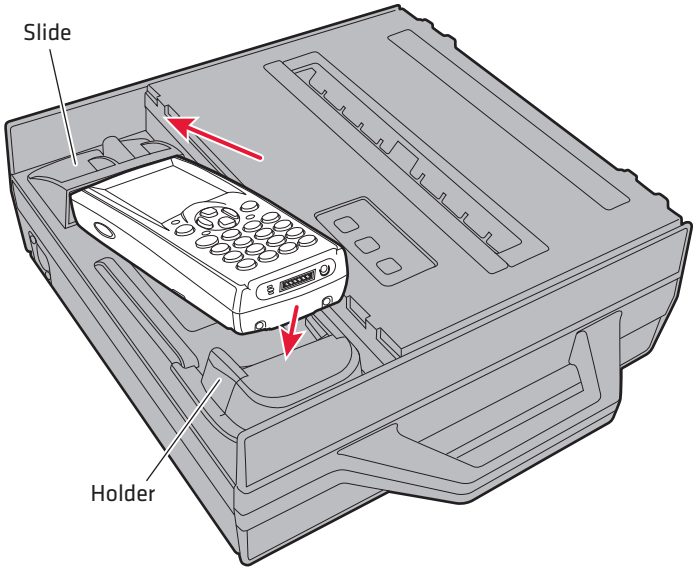
- Install the holder with four flathead screws.



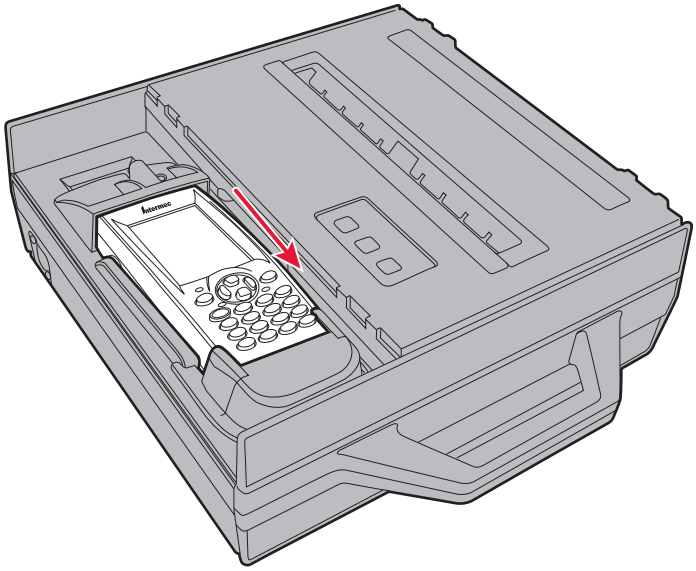
Inserting the Computer in the Holder

The next illustrations show an Intermec 700 Color computer as an example.

1. Insert the top of the computer into the slide.
2. Use the computer to push the slide to the end of its track.



3 Lower the bottom of the computer into the holder, and slide the computer into the docking connector until it is fully seated.



4 Turn on the printer and check for the appropriate charge indicator on the installed computer. The charge indicator shows that you have a good connection to the new holder.

5 Use your application to generate a printout to test the holder connection. You must have a printer test application or use another application to produce a printout to test the holder connection.

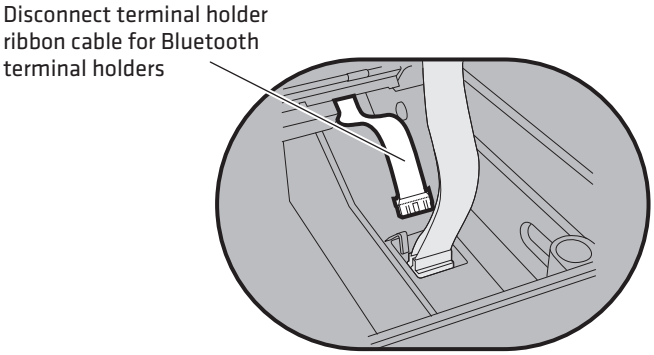
Configuring the Printer to Communicate With Your Computer

Use the 6820 Printer Configuration Utility to configure your printer to communicate with your computer, change printer configuration options, and download fonts. The Printer Configuration Utility is available in the 6820 Tool Kit.

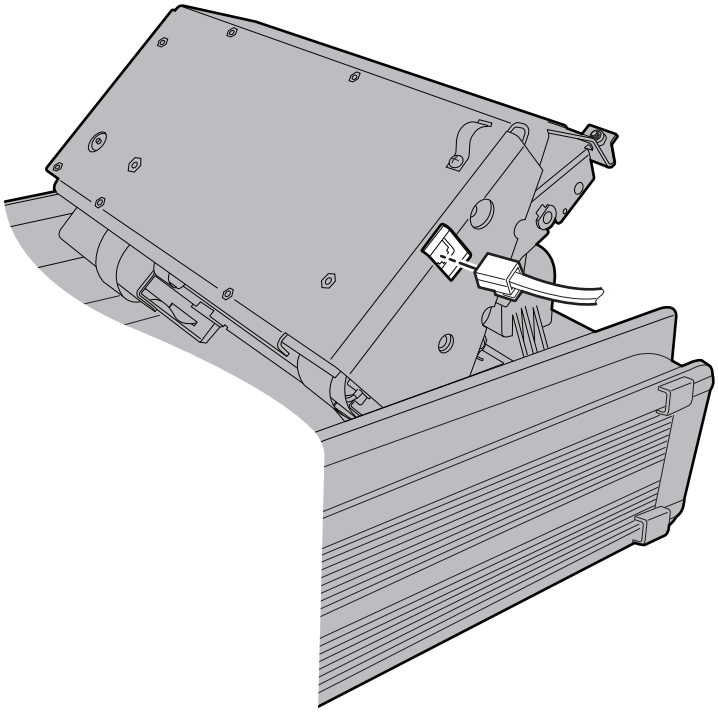
To configure your printer

1 Lift and tilt the printer mechanism to the open position.

Note: If you are installing a Bluetooth holder, disconnect the holder ribbon cable, or the utility cannot communicate with the printer.



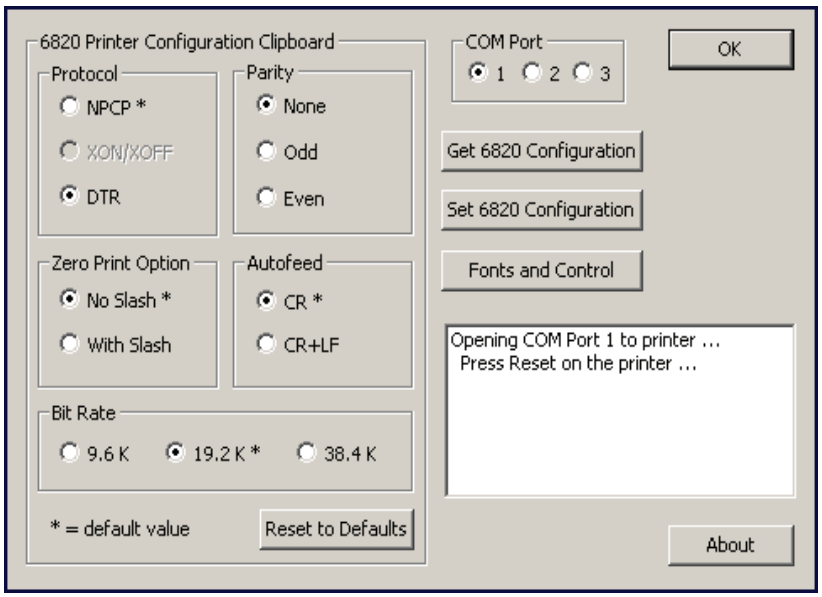
2 Plug the 6820 programming cable (P/N 226-270-001) into the side of the printer mechanism.



3 Connect the cable to your PC.

4 Start the Printer Configuration Utility.

5 Click **Get 6820 Configuration**. Follow the prompts to communicate with the printer.



Note: Select the DTR protocol when you use a Bluetooth holder.

6 When you are connected to the printer, note the displayed settings, make any necessary adjustments, and click **Set 6820 Configuration**. The configuration is sent to the printer.

7 If you are installing a Bluetooth-enabled holder, connect the holder ribbon cable.

More Information

Visit the Intermec technical knowledge base (Knowledge Central) at **www.intermec.com** and click **Support** > **Knowledge Central** to review technical information or to request technical support for your Intermec product.

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