CP7 Adapter

Cat. No. 1784–CP7
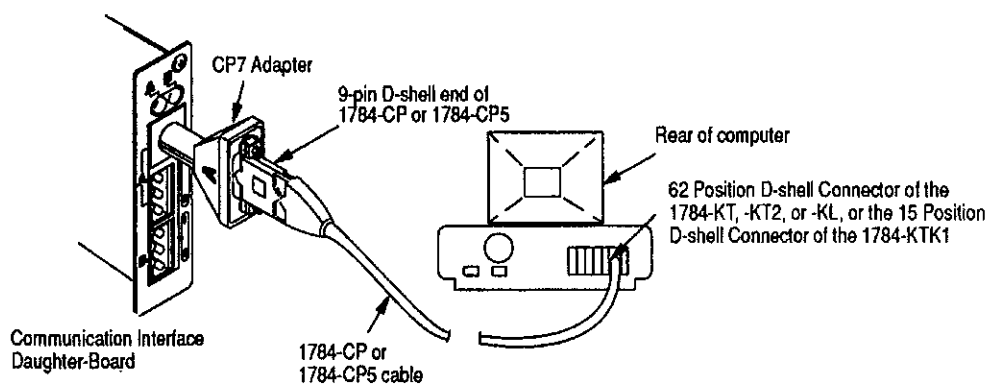
Installation Data

To the Installer

Use the CP7 adapter to connect a personal computer to a communication interface daughterboard (Figure 1). The daughterboard provides the communication to your Data Highway Plus network and can be found in devices such as: as:

- Allen-Bradley family programmable controllers
- motion control devices

Figure 1
Using the CP7 Adapter to Connect a Personal Computer to a Communication Interface Daughterboard

With this computer:	And this Interface:	Use this cable or cable combination CCAT. No. 1
IBM–AT/XT compatible computer	1784–KTK1	1784–CP5 and 1784–CP7
	1784–KT	1784–CP6 or 1784–CP and 1784–CP7
Allen-Bradley 1784–T35 or –T50 industrial terminal	1784–KTK1	1784–CP and 1784–CP7
	1784–KT	1784 CP6 or 1784–CP and 1784–CP7
Allen-Bradley 1784–T45 or –T47 industrial terminal	1784–KL	1784–CP6 or 1784–CP and 1784–CP7
IBM PS/2 device	1784–KT2	1784–CP6 or 1784–CP and 1784–CP7

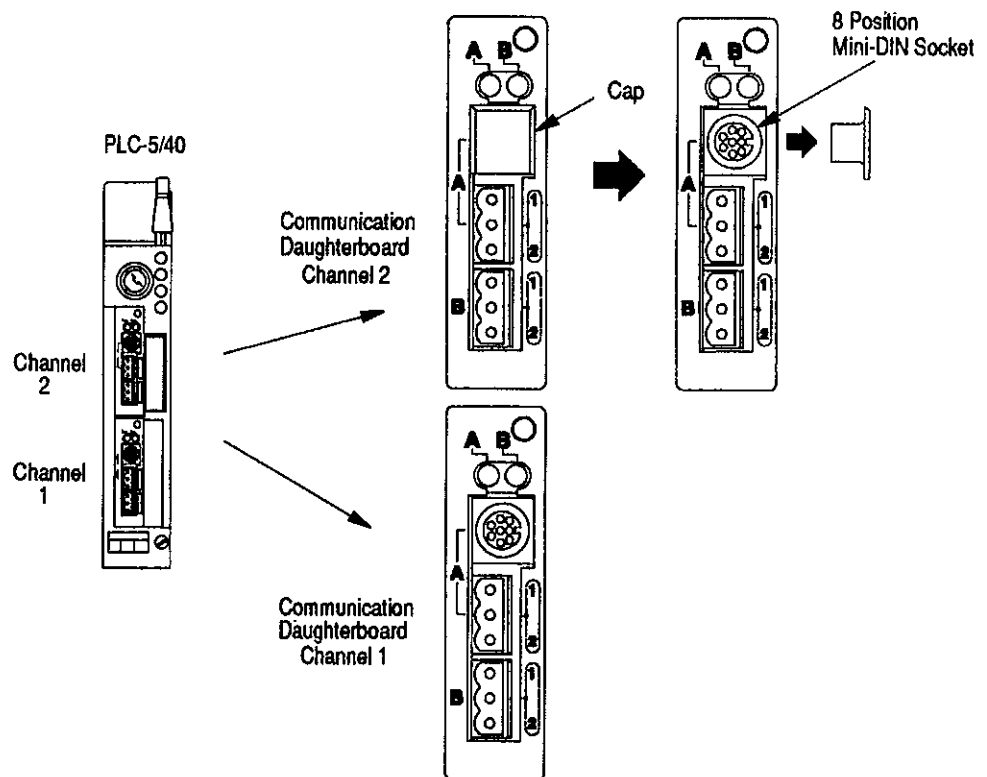Refer to your devices user's manual for the location of the daughterboard.

Important: You can use the Allen-Bradley 1784–CP6 cable in place of your 1784–CP cable when connecting a computer to a communication interface daughterboard. You do not need the CP7 adapter when using the 1784–CP6 cable. For more information on the 1784–CP6 cable, refer to the CP6 Cable Installation Data Sheet (publication 1784–2.26)

Installing the CP7 Adapter

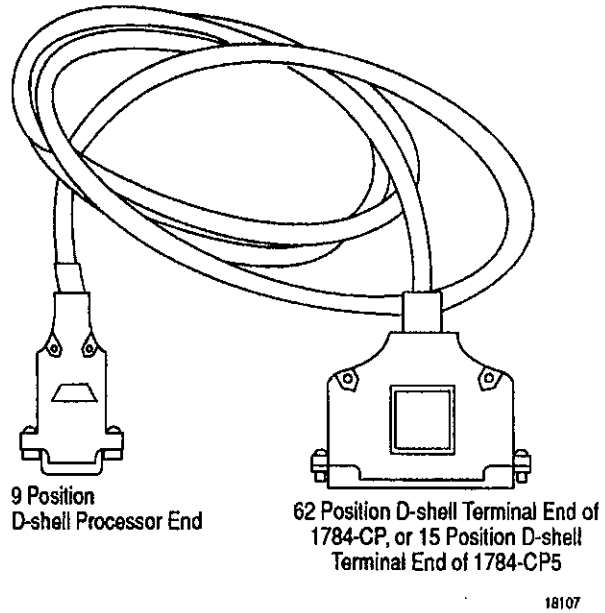To install the CP7 adapter, follow the steps below:

7. Locate the communication interface daughterboard and remove the cap covering the 8 position mini-DIN socket.

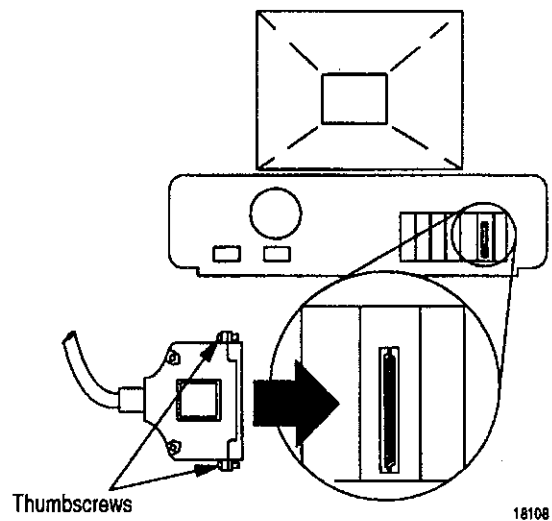**Important:** Save this cap; you will need to re-insert it when the socket is not in use.

PLC-5/40

Channel 2

Channel 1

Communication Daughterboard Channel 2

Communication Daughterboard Channel 1

Cap

8 Position Mini-DIN Socket

18106

8.   Locate the 1784–CP or 1784–CP5 cable.

9 Position
D-shell Processor End

62 Position D-shell Terminal End of
1784-CP, or 15 Position D-shell
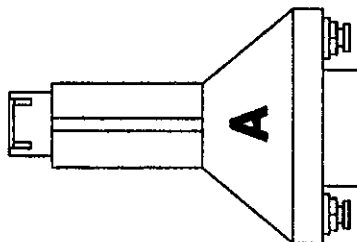Terminal End of 1784-CP5

18107

9.   Connect the cable to your computer terminal's interface module

If you are using this cable:	Plus this end into your terminal's interface module:
1784–CP	62 position D-shell terminal end
1784–CP5	15 position D-shell terminal end

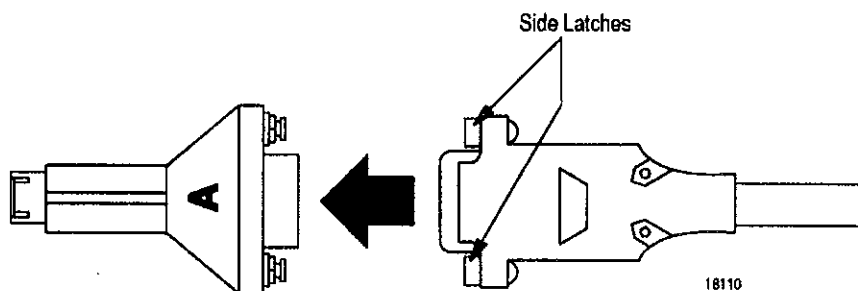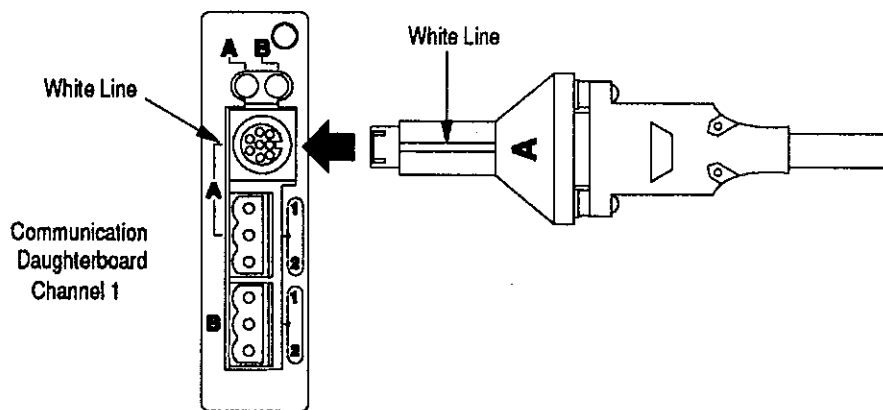Turn the thumbscrews clockwise until they come to a complete stop.

Thumbscrews

18108

10. Locate the CP7 adapter.

18109

11. Plug the cable into the adapter and secure the side latches.

Side Latches

18110

12. Plug the adapter into the 8 position mini-DIN socket communication daughterboard channel 1. Make sure the white line on the adapter lines up with the white line on the face-plate.

White Line

White Line

Communication
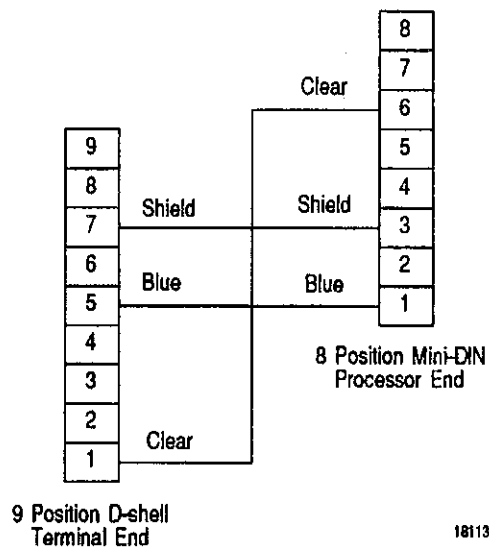Daughterboard
Channel 1

18111

Important: Do not plug the CP7 adapter into communication daughterboard channel 2.

The cable is now connected with channel 1A of the communication interface daughterboard channel 1.

Important: Allen-Bradley's PLC–5/40 and –5/60 family programmable controllers have two communication interface daughterboards. If you are connecting the adapter to a PLC–5/40 or –5/60, you can use the socket of either daughterboard; however, you are only connected with the channel A of the daughterboard in use.

Cable Pinouts

Cable pinouts for the CP7 adapter are shown below.

9 Position D-shell
Terminal End

8 Position Mini-DIN
Processor End

18113

Specifications

Specifications for the CP7 adapter are listed below.

Storage Temperature	40° to 185°F (–40 to +85°C)
Operating Temperature	32° to 140°F (0 to 60°C)
Humidity	0° to 95% noncondensing

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