2.14 Location of Optional Cards

The location of the optional cards is shown below.

Precaution To protect the printed circuit boards (P-boards) from static electricity, do not touch parts on the P-boards in the main unit and on the optional cards. If accessing the parts is required, wear a grounding strap.

3 CO Line and 8 EXT Expansion Card (KX-TA62477) or 8 Extension Expansion Card (KX-TA62470) Connector

Doorphone/Door Opener Card (KX-TA62460) Connector

The front covers are open.

OGM/FAX Detection Card (KX-TA62491) Connector

Caller ID Card (KX-TA62493) Connector
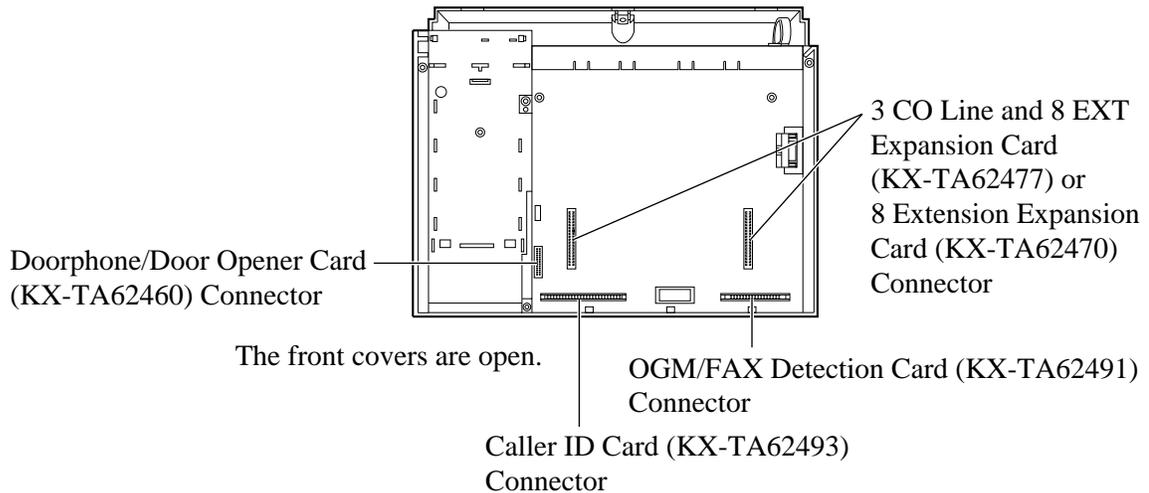
NOTE:

Power off the system, and unplug the AC cord before installing an optional card.

2.15 OGM/FAX Detection Card Installation

An optional OGM/FAX Detection Card (KX-TA62491) can be installed to the system.

The OGM/FAX Detection Card supports the following.
Direct Inward System Access (DISA) with OGM:
   One of the system features. An outgoing message greets the external caller and gives information so that the caller can access an extension(s) directly.
Facsimile detection:
   When the system receives a facsimile transmission signal by DISA, it automatically connects the specified facsimile extension.

1. Remove the 2 screws.

Screws
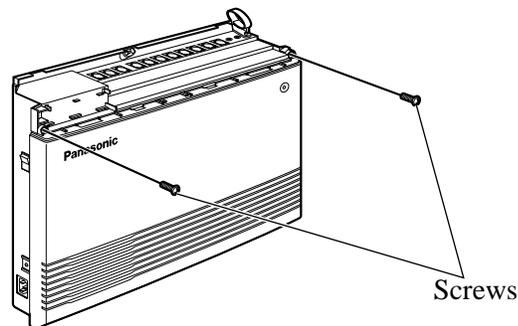
2.15   OGM/FAX Detection Card Installation

2. Open the bottom front cover.

Bottom front cover
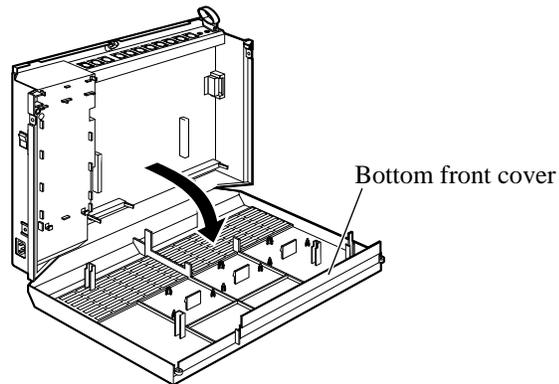
3. Attach the OGM/FAX Detection card.

OGM/FAX Detection Card
(KX-TA62491)

Note
Please do not damage this part.
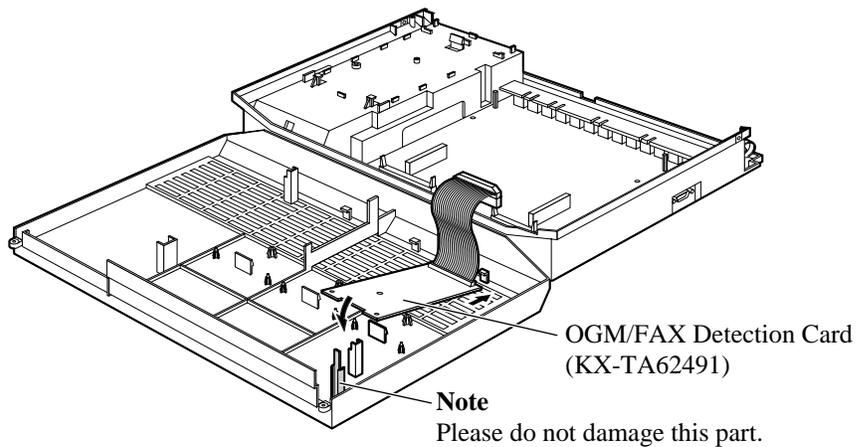
4. Insert the flat cables to the card connector.

Flat cables
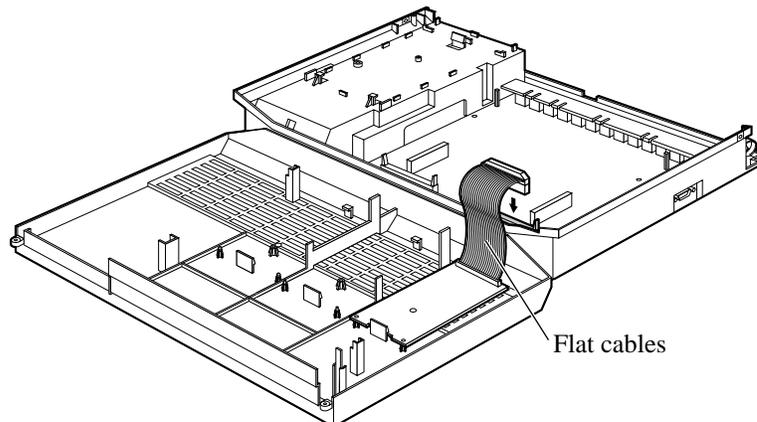
5. Close the cover.

☞ • **Required System Programming**
  See 'Required System Programming' in Section 3, Features "Direct Inward System
  Access (DISA)"

• **Feature References**
  Section 3, Features
  Direct Inward System Access (DISA)
  Outgoing Message (OGM)

2.16   Doorphone and Door Opener Connection

Four doorphones (KX-T30865) and 4 door openers (user-supplied) can be installed.

Maximum cable length

The maximum length of the doorphone and door opener line cord which connects the system is as follows.

ø 0.6 mm (24 AWG); Under 113 m
ø 0.8 mm (22 AWG); Under 180 m
(Extension Loop Limit: 20 Ω)

Doorphone
(KX-T30865)

ø 0.8 mm (22 AWG); Under 180 m   Door Opener
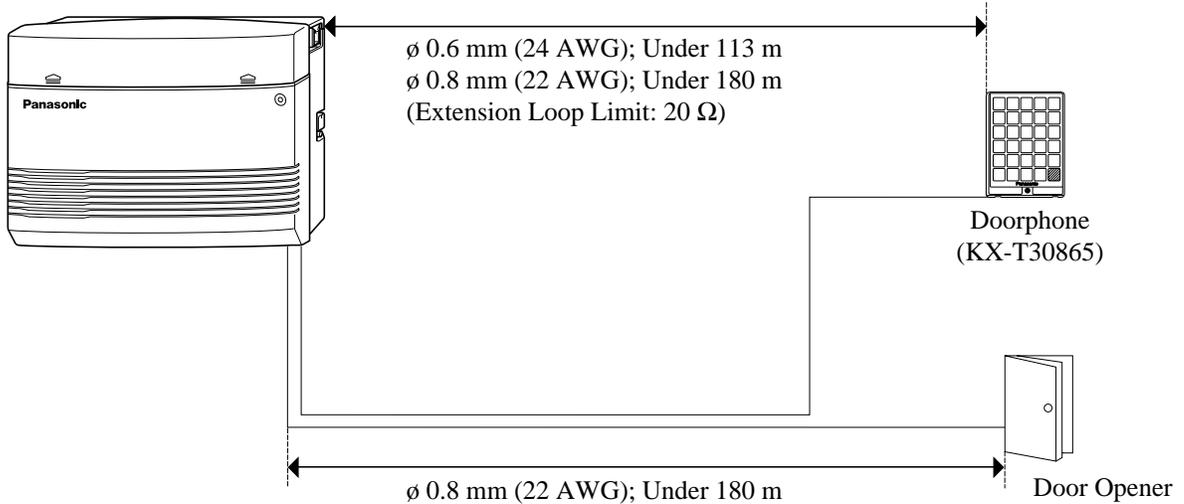
Installing the Doorphone
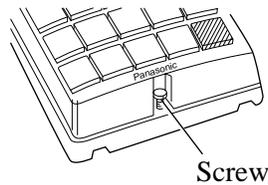
Screw

1. Loosen the screw to open the doorphone unit.
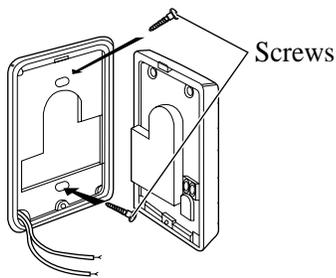
Screws

2. Attach the base cover to a wall using 2 screws.

   Note Two kinds of screws are included. Please choose the appropriate one depending on your type of wall.

   Type 1: When a doorphone plate has been fixed to the wall.

   Type 2: When you wish to install the doorphone directly to the wall.

2.16 Doorphone and Door Opener Connection

3. Connect the wires to the screws located in the front cover.

To the terminal box ←
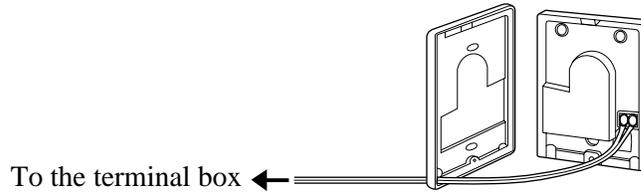
4. Put the doorphone together and re-install the screw.

Doorphone/Door Opener Installation

Attach the optional Doorphone/Door Opener Card to the main unit, connect the cord to the Doorphone/Door Opener Card Connector and secure the screw.

Screw — Doorphone Connectors
Door Opener Terminal

Doorphone/Door Opener Card
(KX-TA62460)

Doorphone/Door Opener Card
Card Connector
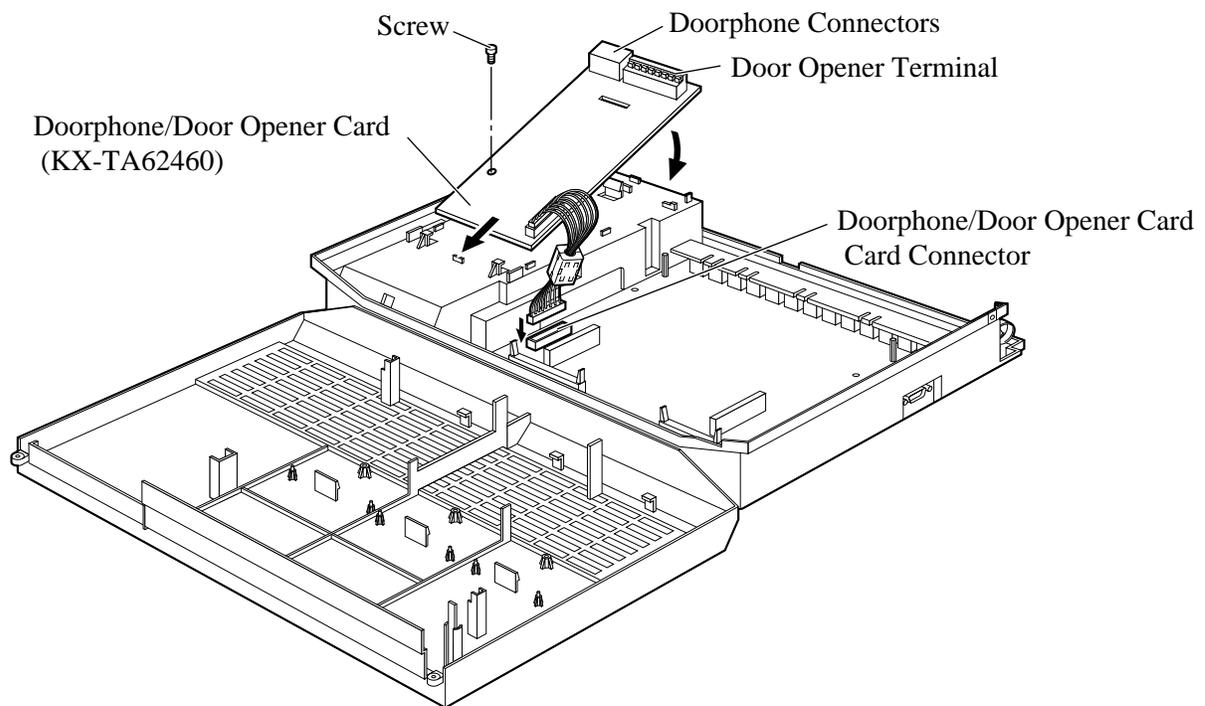
2.16   *Doorphone and Door Opener Connection*

Wiring of the Doorphone

1. Connect the Doorphone/Door Opener Card to the terminal boxes using 4-conductor modular connectors.

2. Connect the wires of doorphones 1 and 3 to the red and green screws on the terminal box.

3. Connect the wires of doorphones 2 and 4 to the yellow and black screws on the terminal box.

View of Doorphone Connector Port

Doorphone 2   Doorphone 4
Doorphone 1   Doorphone 3

4-conductor wiring is required.

Yellow   Black
Red   Green

Doorphone 1   Doorphone 2
(KX-T30865)   (KX-T30865)

4-conductor wiring is required.

Yellow   Black
Red   Green

Doorphone 3   Doorphone 4
(KX-T30865)   (KX-T30865)
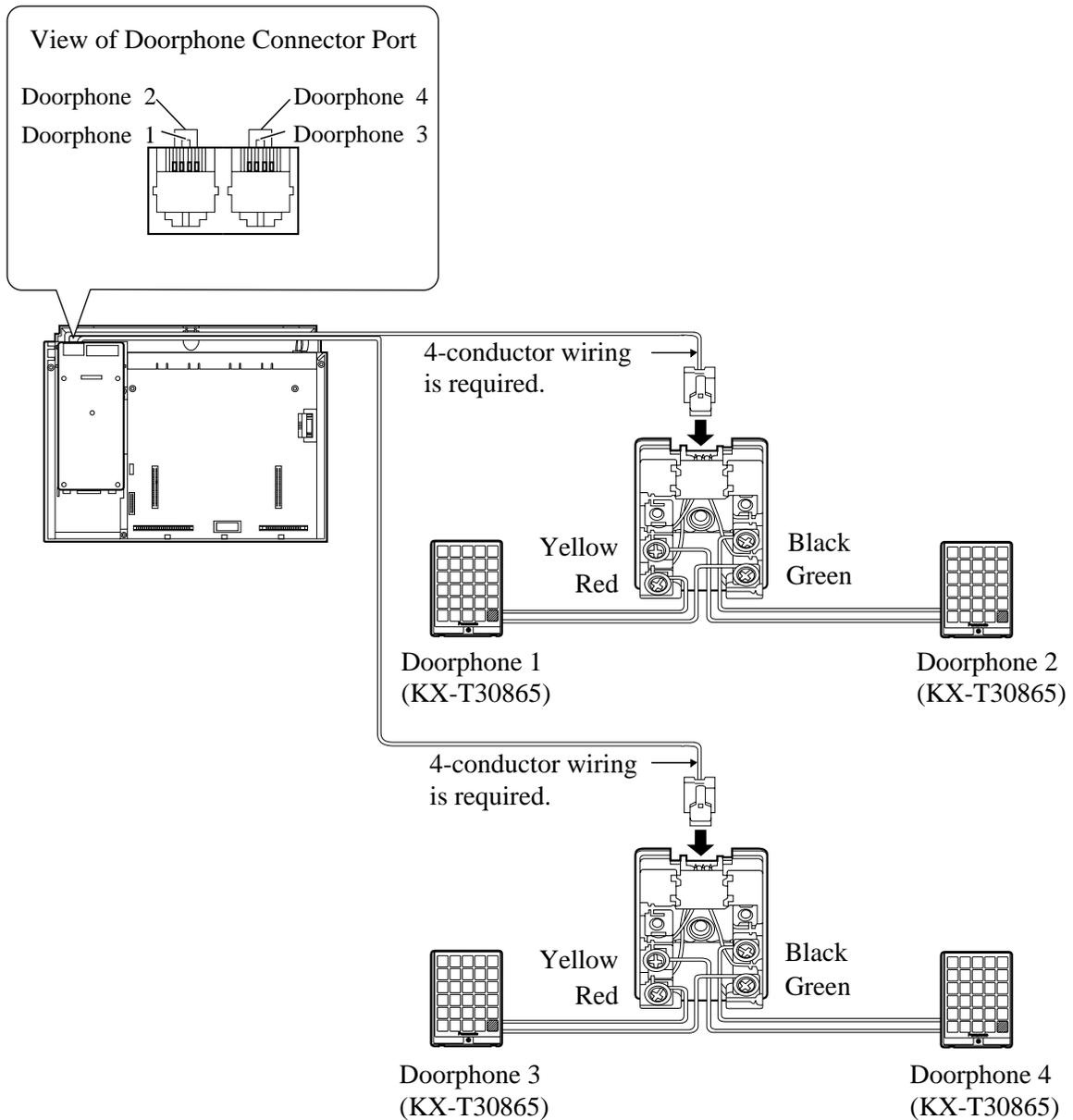
2.16   *Doorphone and Door Opener Connection*

Connecting Door Openers

1. While pressing the button below a hole with a screw driver, insert the wire from the door opener into the hole.

Door opener 1   Door opener 4
Door opener 2
Door opener 3

To the door openers
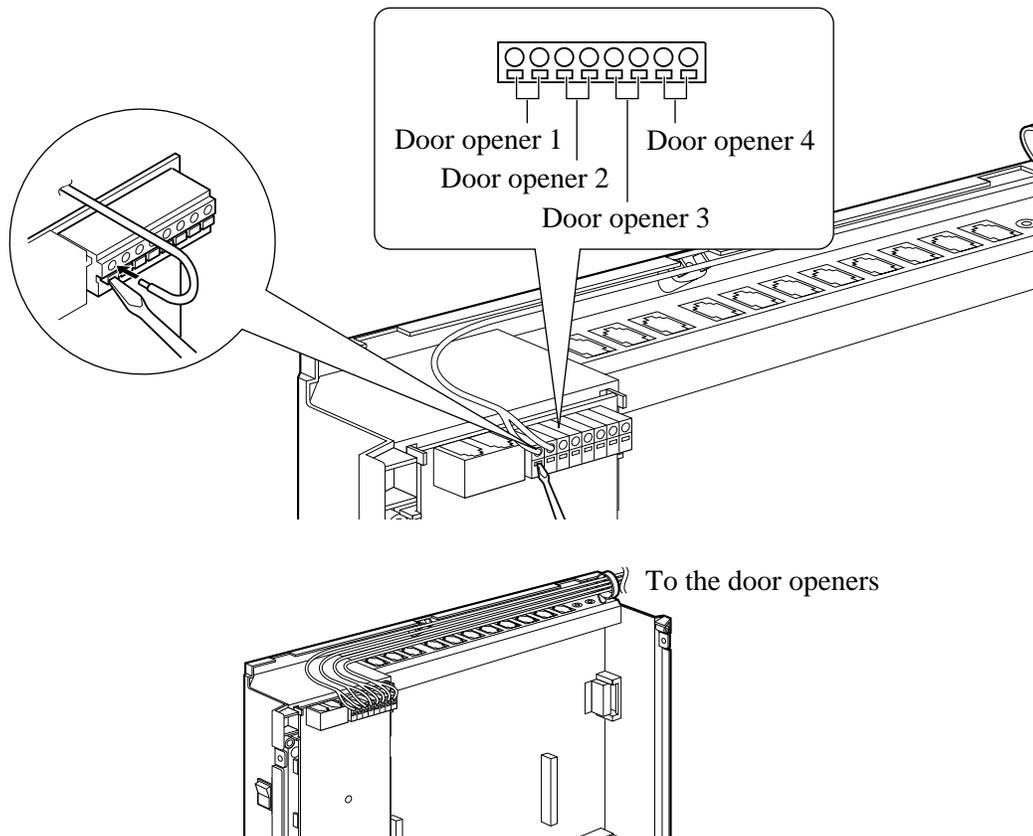
2. Wrap the strap around all of the cords. (☞ 2.20, Securing the Cords)

!
- We recommend using the wire (ø 0.4 mm – ø 1.2 mm) or the equivalent for wiring.
- The wire should be under 3.0 mm in diameter including the coating.
- Door Opener ports are at SELV.

D = 0.4 mm – 1.2 mm
D = Under 3.0 mm
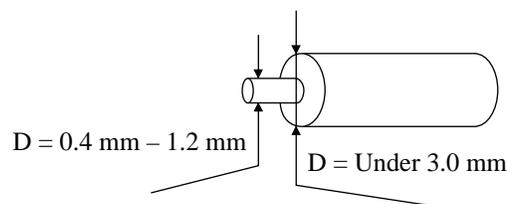
☞
- **Required System Programming**
  Section 4 System Programming
  [700]–[702] Doorphone Ringing Assignment — Day/Night/Lunch
  [703]–[705] Door Opener Assignment — Day/Night/Lunch
- **Feature References**
  Section 3, Features
  Door Opener, Doorphone Call

2.17 *Installing a 3-CO Line & 8 Ext Expansion Card (KX-TA62477) and 8 SLT Extn. Expansion Card (KX-TA62474)*

3-CO Line and 8 Ext Expansion Card Installation (KX-TA62477)

To add 3 exchange lines (exchange lines 4 through 6) and 8 extensions (extension ports 09 through 16), use an optional 3-CO Line and 8 Ext Expansion Card (KX-TA62477).

8 SLT Extension Expansion Card Installation (KX-TA62474)

To add 8 extensions (extension ports 17 through 24), use an optional 8 SLT Extension Expansion Card (KX-TA62474).
This card can be installed directly to the system or to the KX-TA62477.

! • Only a single line telephone (SLT) can be connected to extension ports 17 through 24.

Installing the KX-TA62477

1. Loosen the screws and open the top and bottom front covers.

2. Remove the lower front panel with a suitable tool as shown below. Cut the 6 areas marked with a circle.
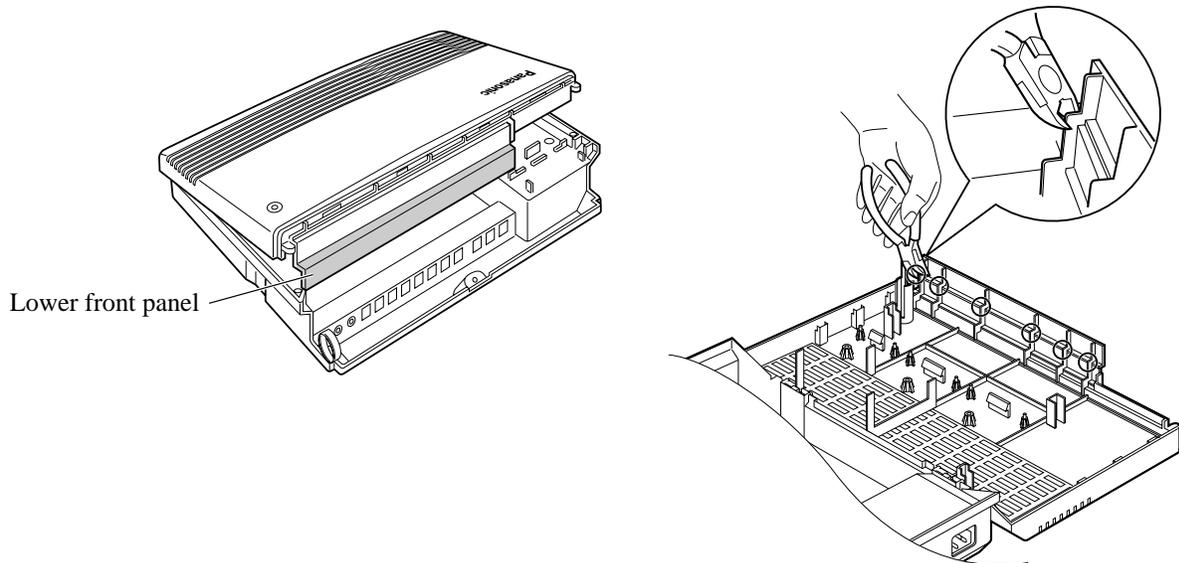
Lower front panel

3. After cutting the areas, be sure to cut off any excess plastic in order to make the surface smooth.
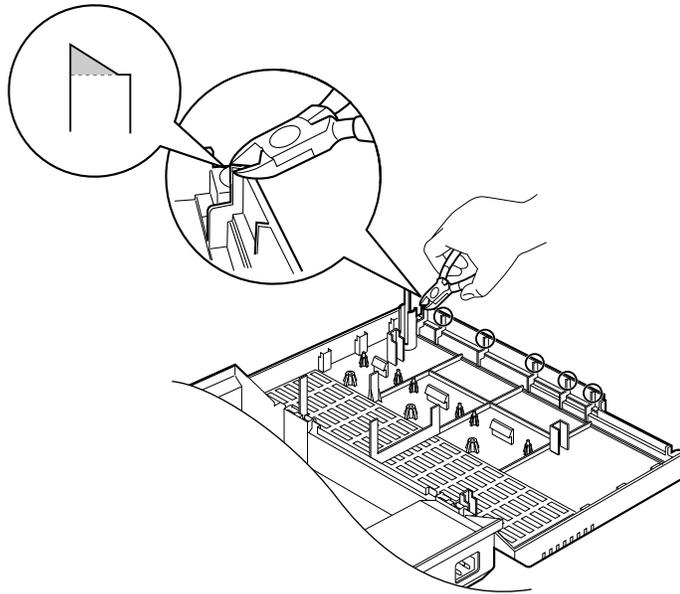
4. First, insert the plastic spacer into the hole on the KX-TA62477. Attach the 2 extension connectors to the system, install the KX-TA62477 and secure the 2 extension spacers.
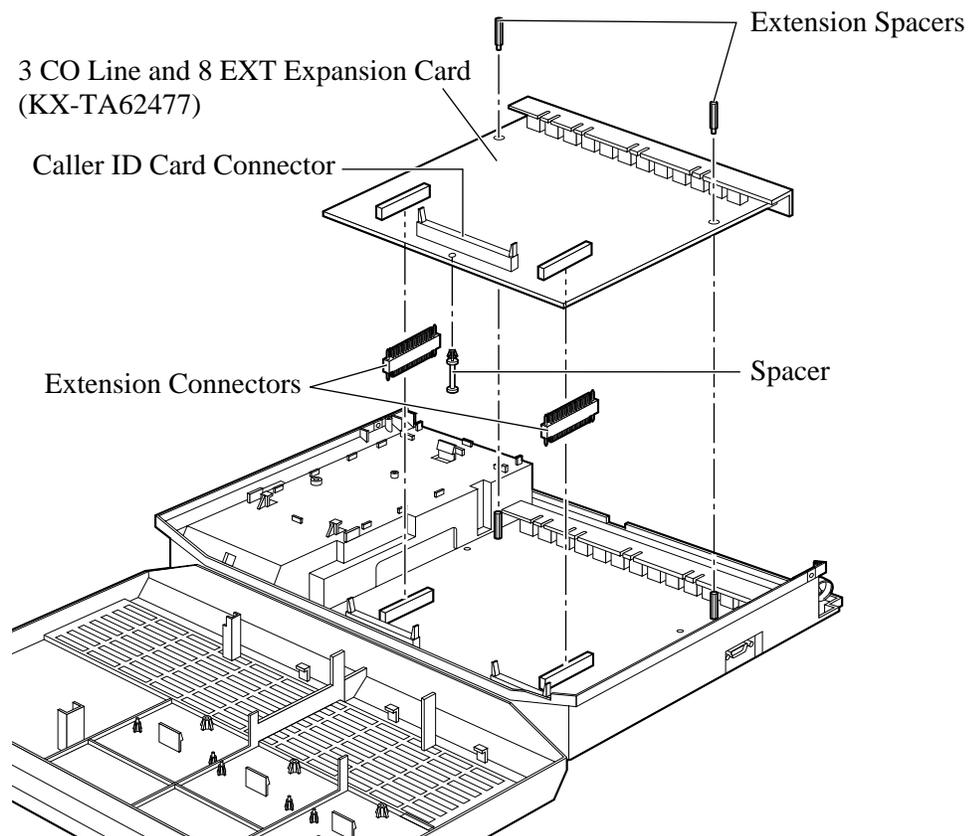
Extension Spacers

3 CO Line and 8 EXT Expansion Card
(KX-TA62477)

Caller ID Card Connector

Extension Connectors

Spacer

5. Insert the modular plugs of the telephone line cords (2-conductor wiring) into the ports (CO 4 through 6) on the card. (☞ 2.7, Exchange Line Connection)

6. Connect the line cords to the terminal board or the ports from the Local Exchange.

7. Insert the modular plugs of the telephone line cords (2 or 4-conductor wiring) into the ports (JACK 09 through 16). (☞ 2.8, Extension Connection)

8. Wrap the strap around all of the cords. (☞ 2.19, Securing the Cords)

9. Close the covers and secure the screws.

Installing the KX-TA62474

1. Loosen the screws and open the front and bottom front covers.

2. Remove the lower front panel in the same way as installing a KX-TA62477. If you install the KX-TA62474 to a KX-TA62477, remove the top front panel with pliers.
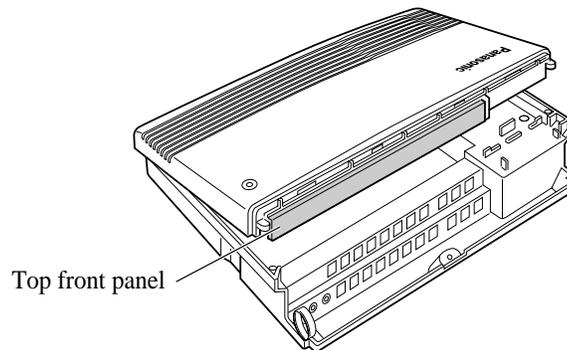
Top front panel

3. After cutting the areas, be sure to cut off any excess plastic in order to make the surface smooth. Please refer to installing the KX-TA62477.

4. Attach the 2 extension connectors to the system first, install the KX-TA62474 and secure the 2 screws.
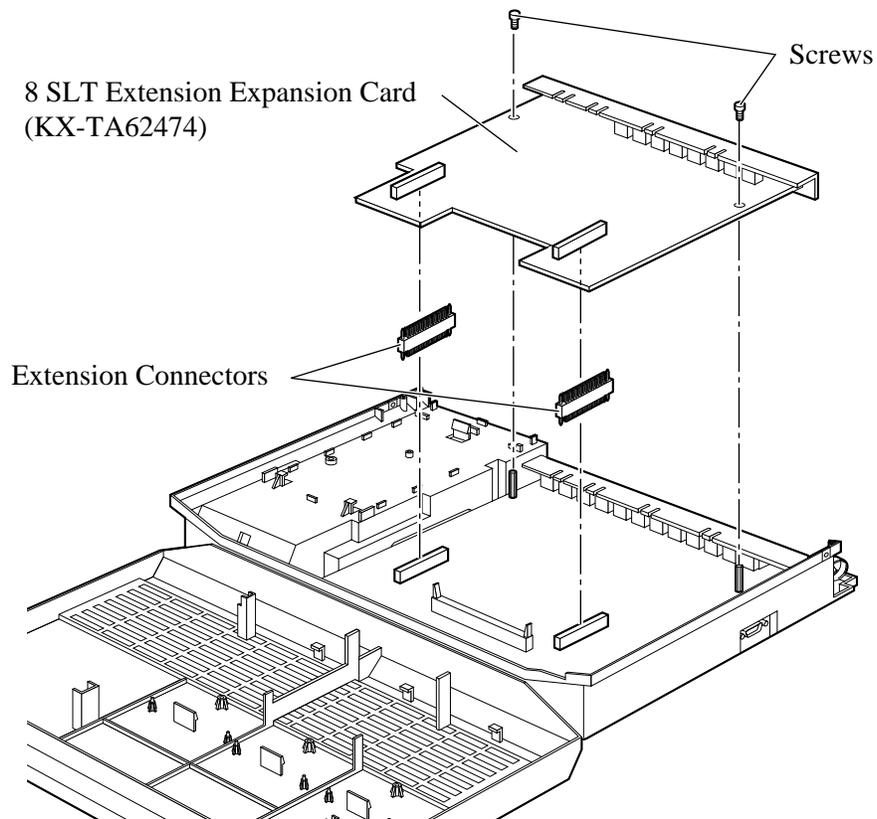
Screws

8 SLT Extension Expansion Card (KX-TA62474)

Extension Connectors

5. Insert the modular plugs of the telephone line cords (2-conductor wiring) into the ports (JACK 17 through 24). (☞ 2.8, Extension Connection)

6. Wrap the strap around all of the cords. (☞ 2.19, Securing the Cords)

7. Close the covers and secure the screws.

2.17 *Installing a 3-CO Line & 8 Ext Expansion Card (KX-TA62477) and 8 SLT Extn. Expansion Card (KX-TA62474)*

Installing the KX-TA62477 and KX-TA62474

1. Install the KX-TA62477 first and then the KX-TA62474.

Screws

8 SLT Extension Expansion Card
(KX-TA62474)

Extension Spacers

Extension Connectors

3 CO Line and 8 EXT Expansion Card
(KX-TA62477)

Extension Connectors

Spacer
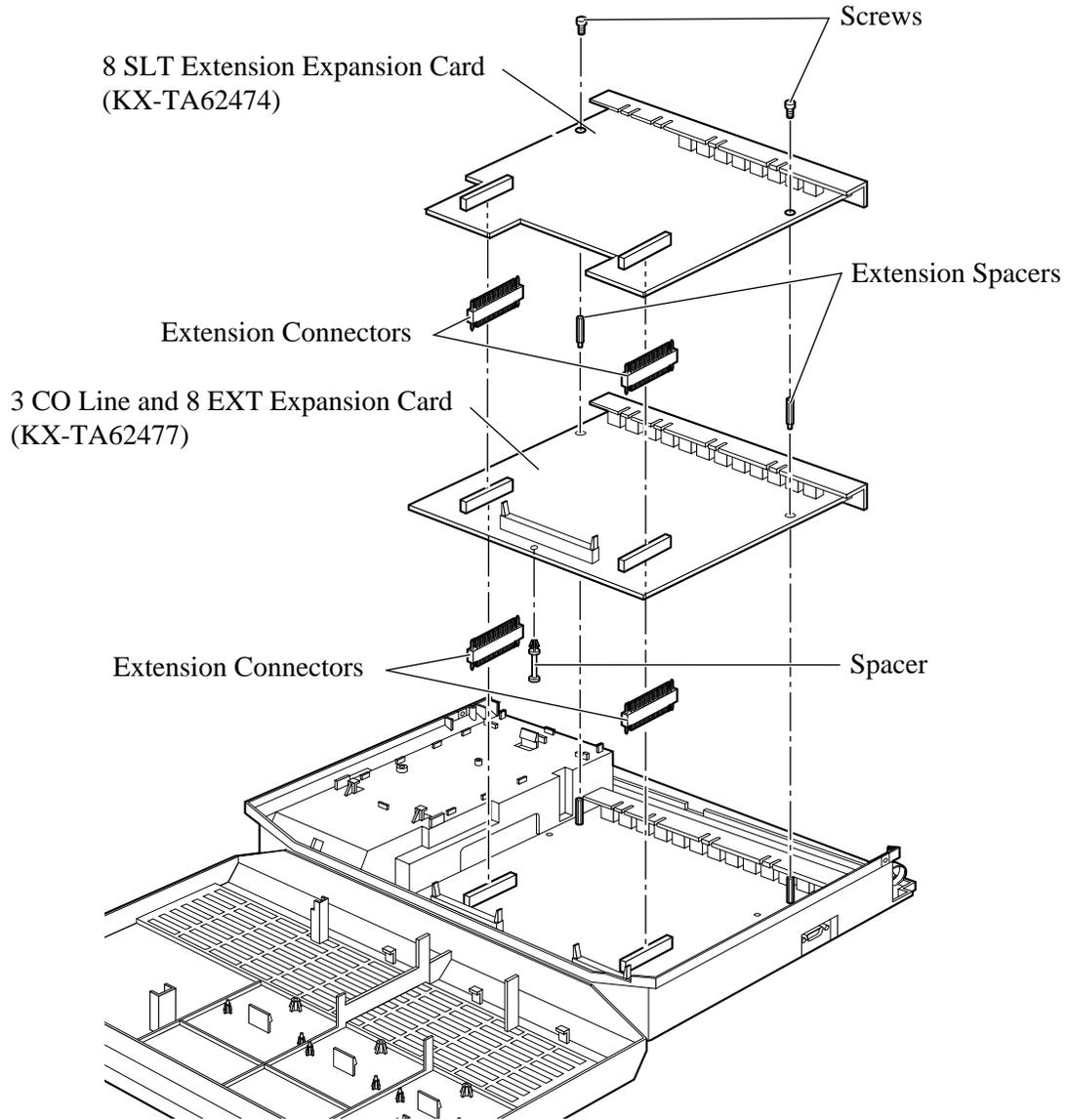
2.21　Starting the System for the First Time

1. Set the Power Switch to the "OFF" position.

2. Plug the AC power cord into the system and an AC outlet.

3. Turn the Power Switch on.
   (The power indicator will light.)

4. Perform the following operation with a proprietary telephone connected to JACK 01.
   a) Set the MEMORY switch to "PROGRAM" on the back of the telephone.
   b) Press ✳ #.
   c) Enter 1234.
   d) Enter 999.
   e) Press the NEXT (SP-PHONE) button.
   f) Press the SELECT (AUTO ANSWER/MUTE) button until
      "All Para" is displayed.
   g) Press the STORE (AUTO DIAL/STORE) button.
   h) Press the END (HOLD) button.
   i) Set the MEMORY switch to "SET" on the back of the telephone.

The system will be initialised with the default values. If the system does not work properly, please see 2.23, "System Data Clear".

CAUTION • The system will continue to be powered even if the Power Switch is turned
            "OFF".
         • The power supply cord is used as the main disconnect device. Ensure that the
            outlet is located/installed near the equipment and is easily accessible.

To AC outlet
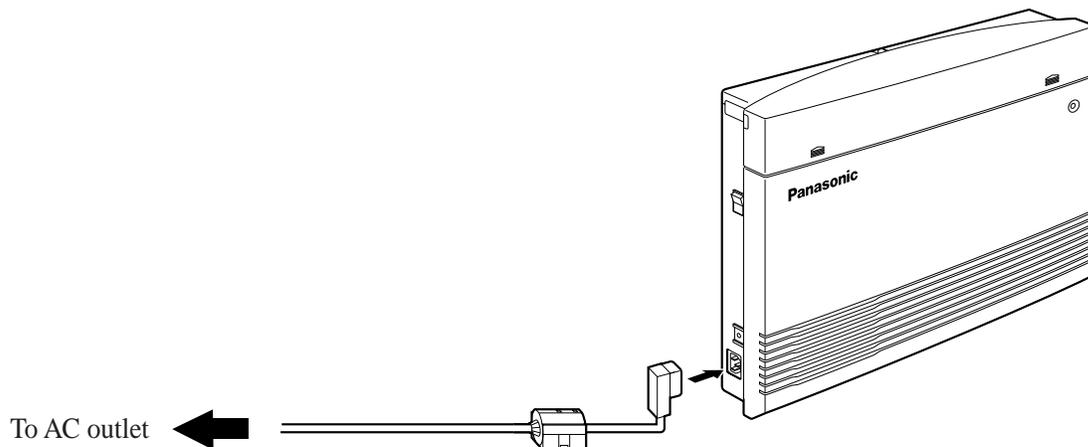
2.22   *System Restart*

After starting the system, if the system does not operate properly, restart the system.

Before restarting the system, try the system feature again to confirm whether there definitely is a problem or not.

System Restart causes the following.

- Camp-on is cleared.
- Calls on Hold are terminated.
- Calls on Exclusive Hold are terminated.
- Calls in progress are terminated.
- Call Park is cleared.
- Message Waiting is cleared.
- Last Number Redial is cleared.
- Saved Number Redial is cleared.

Other data is not cleared by System Restart.

1. Turn the Power Switch "OFF" and then "ON".

!   • If the system still does not operate properly, please see 2.23, "System Data Clear".

2.23   *System Data Clear*

When the system does not operate properly after restarting, you can clear the programming data stored in the system. The system will restart with the default settings.

First, try system program [999] "System Data Clear" by following step 4 in 2.21, "Starting the System for the First Time". If the system still does not operate properly, please follow the procedure below.

1. Slide the System Clear Switch to the "CLEAR" position.

2. Press the Reset Button.

3. Return the System Clear Switch to the "NORMAL" position before the power indicator stops flashing.
(The power indicator will flash for about 10 seconds.)
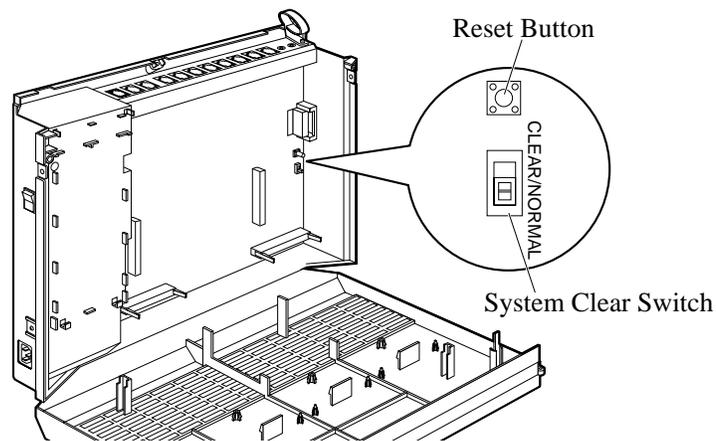
CAUTION • Before touching the System Clear Switch and Reset Button, put on a grounding strap.

! • After pressing the Reset Button, return the System Clear Switch to the "NORMAL" position in step 3 before the power indicator stops flashing. Otherwise, the system will not clear.

☞ • **Feature Reference**
Section 3, Features
System Data Default Set