

Wall Mounting Unit PX-W3U

Installation Manual

Thank you for your purchase of the NEC plasma display mounting unit.

Please read this installation manual carefully to ensure proper use.

***This mounting unit is made especially for use with NEC 61 inch and 50 inch plasma displays.**
Please check that the plasma display can accommodate the unit before use.

Special technology is required in the mounting of the plasma display.
Such work should never be undertaken by the customer.

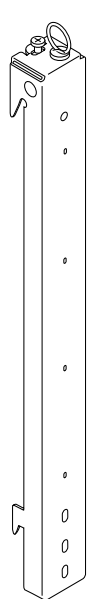
To the Dealer and the Installer

For the safety of the customer, we ask that the installation work be started after careful attention is paid to the strength of the mounting location to be sure it will withstand the weight of the plasma display and mounting hardware.

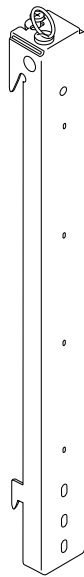
Be sure that three or more persons engage in the installation work.

Be careful not to lose any screws that have been removed, extra parts, etc.

■ Package Parts List

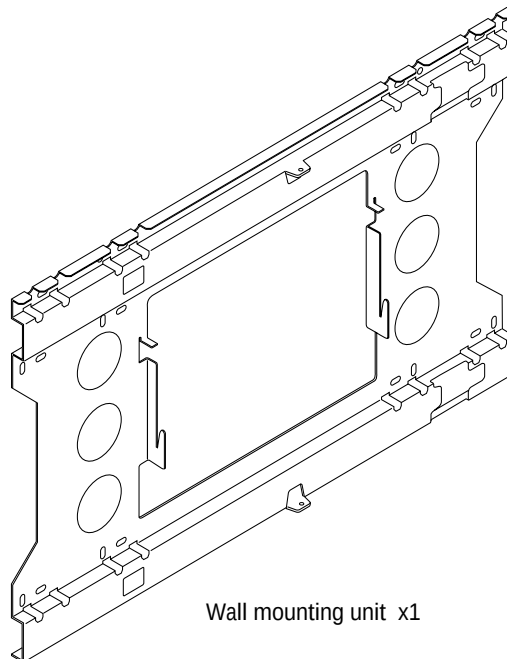


Left x1

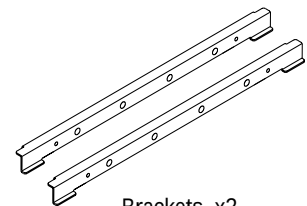


Right x1

Display fittings



Wall mounting unit x1



Brackets x2



M5 screws x2



M4 screws x8



M8 screws x6

Heed the Following

Before Use...

Symbols

Various symbols are used in this Installation Manual for the safe and proper use of the product as well as preventing any injury or damage to persons or property. These symbols and their meanings are described below. Please have a good understanding of these matters before reading the main text of the manual.

WARNING



Ignoring this indication and improper handling could be the cause of personal injury such as a serious injury or death.

CAUTION



Ignoring this indication and improper handling could cause injury to a person or damage to the surrounding household belongings.

Examples of Symbols



⚠ This symbol informs that there are contents that **demand caution (including warnings)**. Concrete details of the caution are written within the diagram.



⊘ This symbol indicates a **prohibited** matter. Concrete details of the prohibition are written within the diagram.



❗ This symbol indicates something that **must be done**. Concrete details of the prohibition are written within the diagram.



WARNING



* When installing the plasma display or making angle adjustments, be sure to make a request for service with the dealer and ensure the work is performed according to this manual. Incorrect installation and angle adjustments may result in the plasma display falling and causing injury.



* To prevent the plasma display from falling, the strength of the installation place and the method of fastening must support the combined weight of the plasma display and the mounting unit for an extended period of time as well as withstand earthquakes. Improper installation may result in the plasma display falling and causing injury. Be sure to observe the following matters.

- An electrical outlet should be used for the power supply of the plasma display. Direct connection to a power cable is dangerous and should not be used. Please use a power outlet that can be reached to allow the insertion and withdrawal of the power plug.
- Installation for Wooden Walls
The load should by all means be carried by beams, and when the strength of the beams is insufficient, they should be strengthened. The installation should not be made to skirting or supporting members. The load should also be carried by beams when there is a steel beam suspended ceiling; installation should not be made to the ceiling suspension fittings.
- Installation for Concrete Walls
Commercial anchors that are strong enough to easily support the load of the plasma display should be used.



* To ensure safety, bolts and screws must be tightened securely. Be sure to use the supplied parts for the brackets and the other fittings.
Failure to do so may result in the plasma display falling and causing injury.



* When aligning the grooves of the display fittings to the fixed unit, check to make sure that they are securely engaged.
Failure to do so may result in the plasma display falling and causing injury.

WARNING

-  * Do not modify any parts.
Failure to do so may result in the plasma display falling and causing injury.
-  * Do not use any damaged parts. Failure to do so may result in the plasma display falling and causing injury.
In the event that any parts are damaged, please contact the dealer.
-  * This unit is made especially for use with NEC 61 inch and 50 inch plasma displays.
Do not use with any other equipment since the equipment could fall and cause injury.

CAUTION

-  * Do not obstruct the ventilation holes of the plasma display. Doing so will prevent the dissipation of heat and may result a fire. Do not use the plasma display in the following ways:
Do not install the plasma display in a tight place where ventilation is poor, place a cover on it, etc.
-  * Do not install the plasma display in front of the vents of an air conditioner or heater, or in a place where there is strong vibration. Doing so may result in fire or electrical shock.
-  * Do not install the plasma display in humid or dusty places, or where it will be exposed to greasy smoke or steam (such as near cooking equipment or humidifiers). Doing so may result in a fire. Do not use the plasma display outdoors. Doing so may result in a fire or electrical shock.
-  * Leave sufficient space around the plasma display when installing it.
Failure to do so may load to head buildup within the display and could result in fire.
-  * Hold the plasma display in place while attaching it to the unit. Failing to do so may lead to it falling and causing injury.
-  * Do not apply pressure to the glass surface of the plasma display. The pressure could cause it to crack and it could cause injury.
-  * Do not attach screws to the plasma display without the fittings mounted. Doing so could cause breakdown.
-  * Never use screws other than those supplied.
Use of such screws could cause breakdown.

Installation Location

Avoid rooms with a lot of dust, humidity, greasy smoke, or tobacco smoke.

Dirt will adhere to the surface of the display monitor screen and cause a deterioration in image quality.

Avoid places in which the screen is exposed to direct sunlight or illumination light.

When surrounding light hits the screen directly, the image appears washed out and is difficult to view.

Avoid places which reach high temperatures or low temperatures.

Such extreme temperatures will cause breakdown.

Attaching the Display Fittings to the Plasma Display

Mounting the Plasma Display in the Horizontal Orientation

Display fittings are required to attach the plasma display to the wall mounting unit.

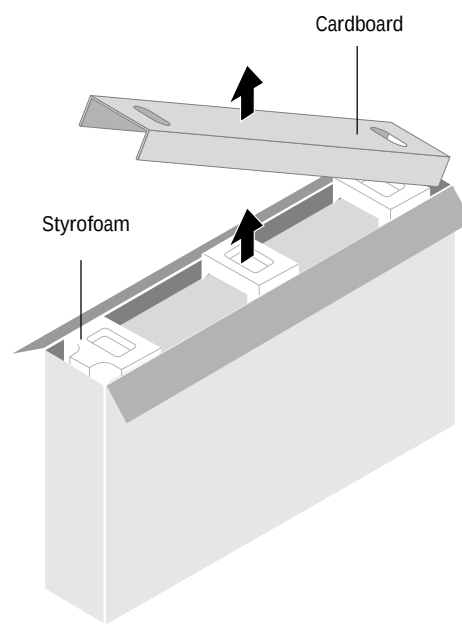
Follow the procedure described below to attach the fittings to the plasma display.

Preparation

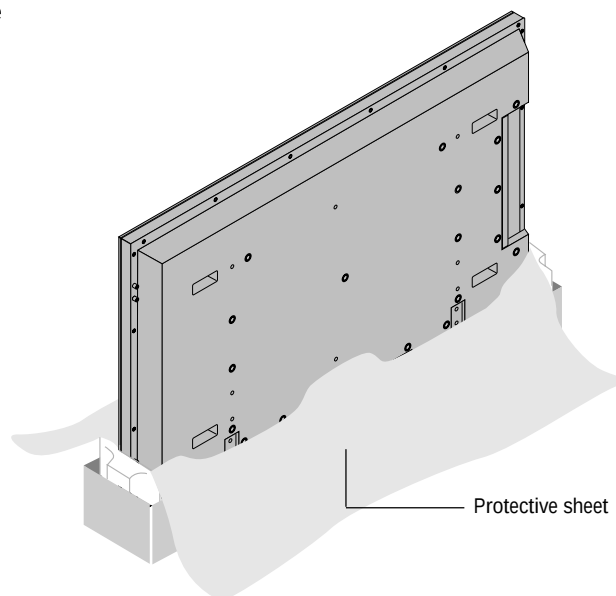
The procedures for mounting the display fittings to the various models will be described after the following steps are performed.

Remove the Packaging

1. Open the top of the cardboard box containing the plasma monitor and remove the cardboard and styrofoam inside.



2. Remove the upper carton and open the protective sheet.



Opened package

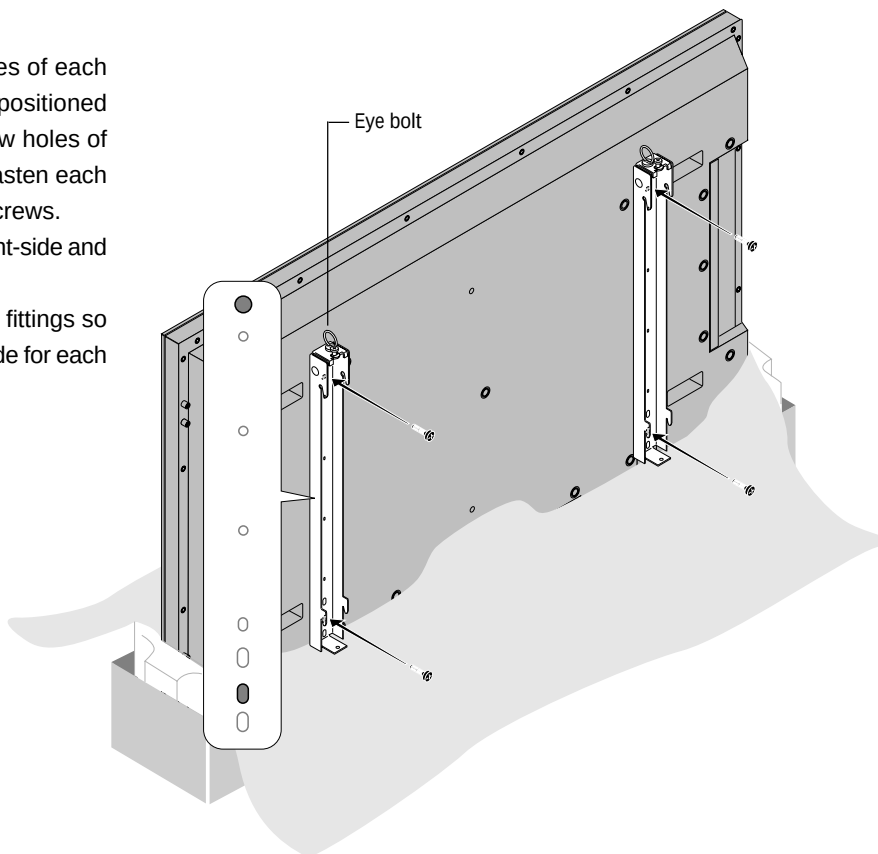
■ 61 Inch Plasma Displays

1. Attach the Display Fittings

Align the 9 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M8 screw holes of the plasma display rear panel and fasten each fitting with two of the supplied M8 screws.

The display fittings are supplied in right-side and left-side types.

When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.

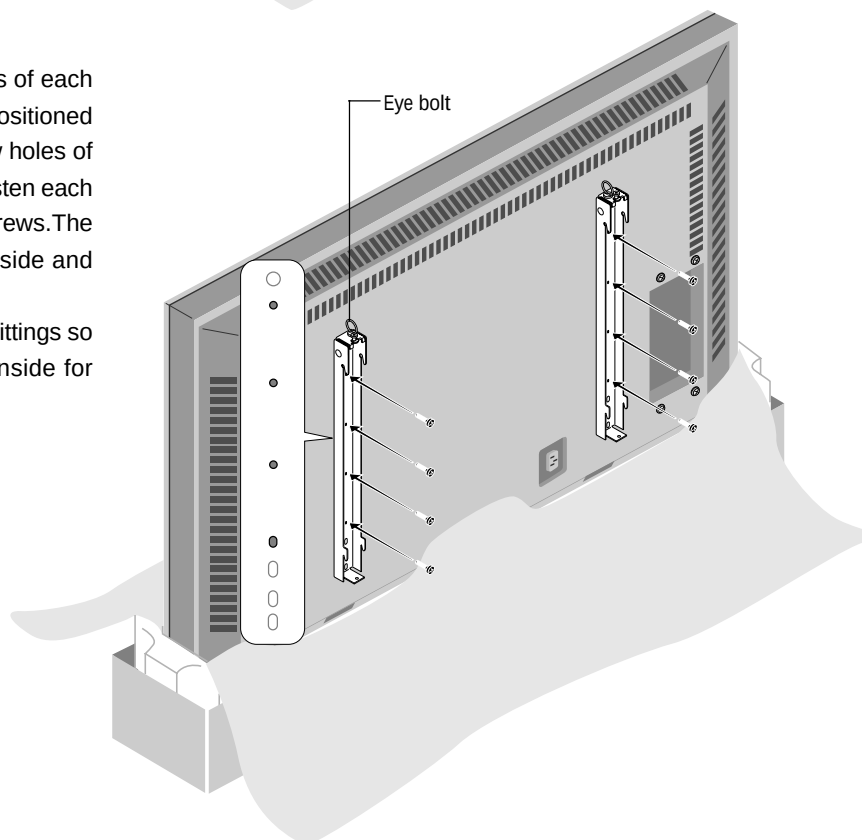


■ 50 Inch Plasma Displays

1. Attach the Display Fittings

Align the 5 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M4 screw holes of the plasma display rear panel and fasten each fitting with four of the supplied M4 screws. The display fittings are supplied in right-side and left-side types.

When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.



Attaching the Display Fittings to the Plasma Display

When the Stand Is Attached

■ 61 Inch Plasma Displays

The display fittings are attached using the M8 screw holes on the rear panel of the plasma display. To prevent falling or other problems, all screws should be removed when rear panel (M8) screw holes are used to attach the fittings and other parts.

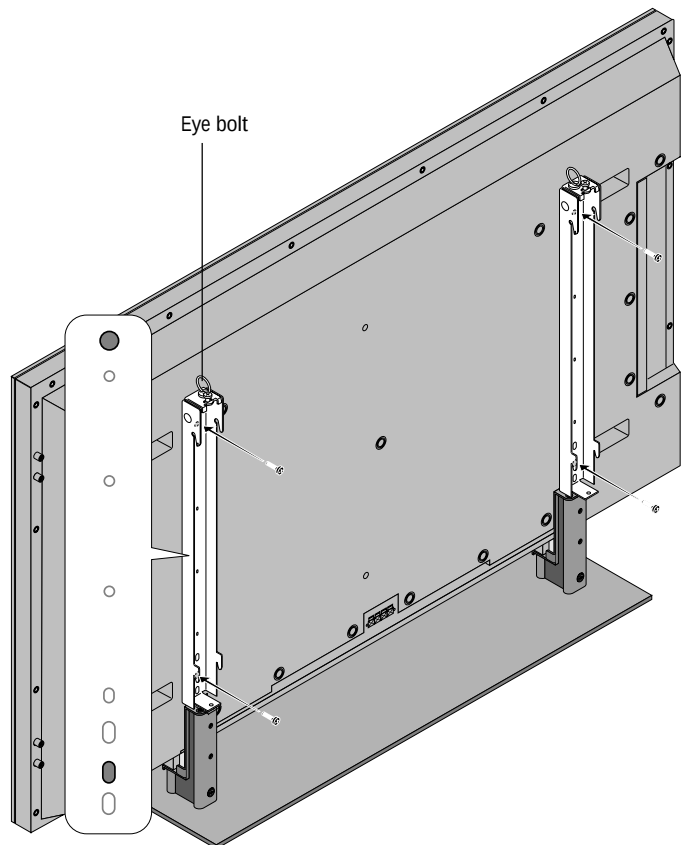
1. Attach the Display Fittings

The display fittings can be attached while the plasma display is mounted to the stand.

Align the 9 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M8 screw holes of the plasma display rear panel and fasten each fitting with two of the supplied M8 screws.

The display fittings are supplied in right-side and left-side types.

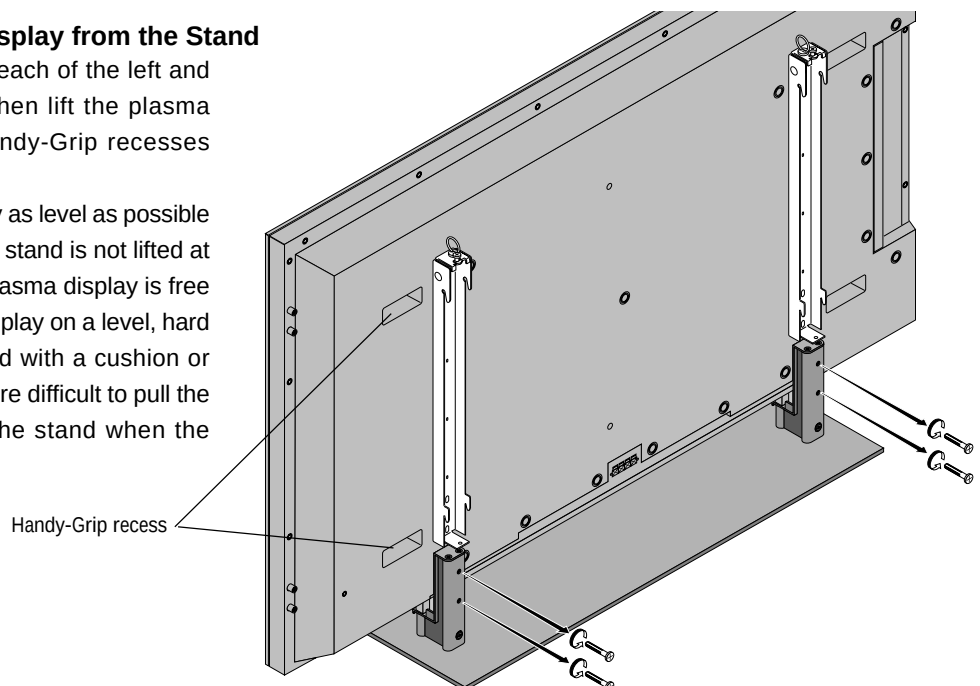
When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.



2. Remove the Plasma Display from the Stand

Loosen the two screws at each of the left and right sides of the stand, then lift the plasma display using the four Handy-Grip recesses located on the back.

At this time, keep the display as level as possible while lifting it out so that the stand is not lifted at the same time. When the plasma display is free from the stand, place the display on a level, hard floor that has been covered with a cushion or other soft item. It will be more difficult to pull the plasma display out from the stand when the display is on an angle.



When the Stand Is Attached

■ 50 Inch Plasma Displays

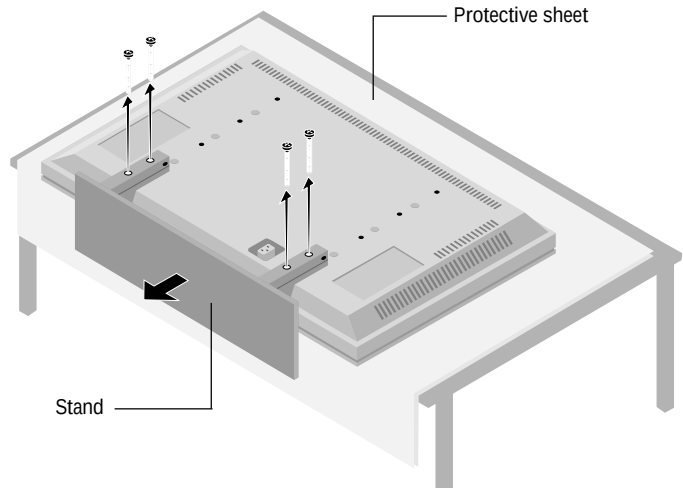
1. Lay Down the Plasma Display

Gently lay the plasma display with screen facing downward on top of a cushion or other soft item that has been laid on a level support (larger than the display).

2. Remove the Stand

Remove the screws from the rear panel of the plasma display and pull out the stand in the direction of the arrow.

The stand is heavy and due care should be taken so that it is not dropped.

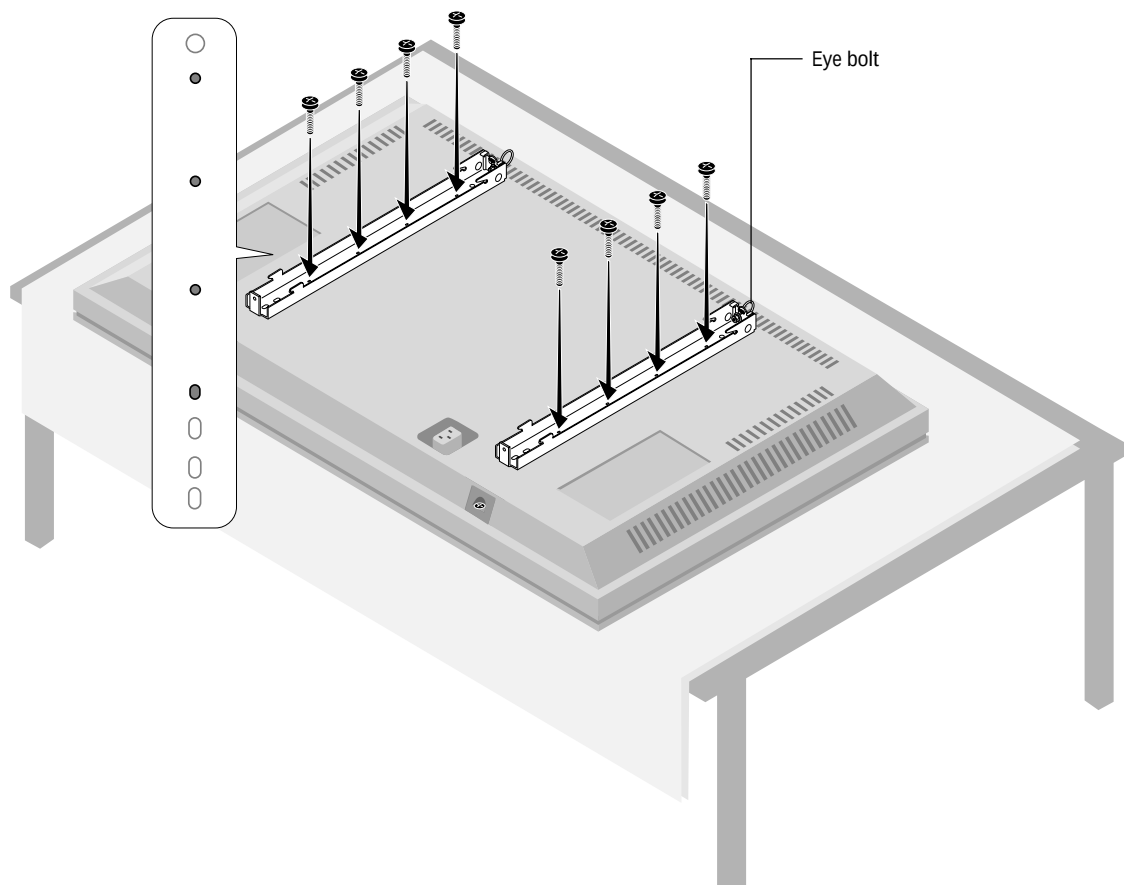


3. Attach the Display Fittings

Align the 5 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M4 screw holes of the plasma display rear panel and fasten each fitting with four of the supplied M4 screws.

The display fittings are supplied in right-side and left-side types.

When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.



Attaching the Display Fittings to the Plasma Display

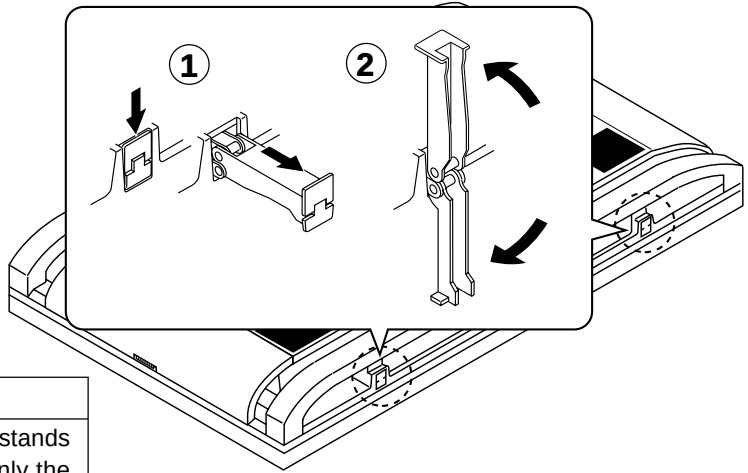
Models with Retractable feet

■ 50 Inch Plasma Displays

1. Setting Up the Retractable foot

Follow the points below and pull out the Retractable foot from the two locations at the bottom surface of the plasma display main unit.

1. Grasp the ends and pull out.
2. The foot will automatically open when your hand is removed.



⚠ WARNING!

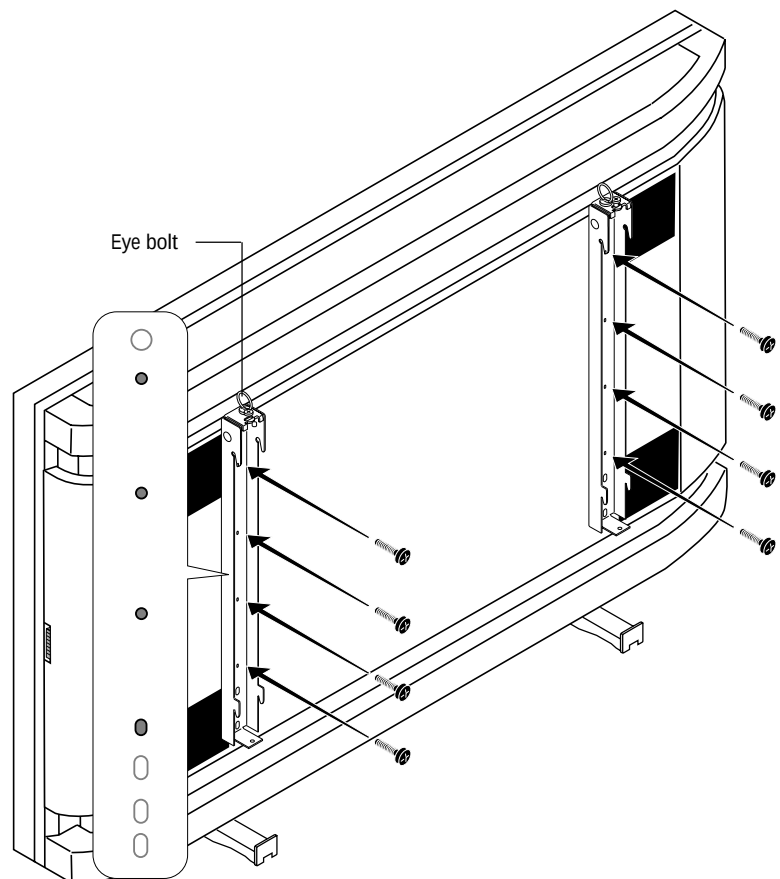
The Retractable foot are for use as temporary stands at the time of installation. Do not install with only the Retractable foot since this is dangerous.

2. Attach the Display Fittings

Align the 5 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M4 screw holes of the plasma display rear panel and fasten each fitting with four of the supplied M4 screws.

The display fittings are supplied in right-side and left-side types.

When installing, arrange the display fittings so that the eye bolt faces the inside for each of the fittings.



3. Closing the Retractable foot

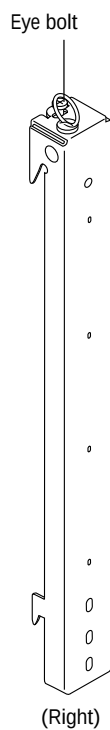
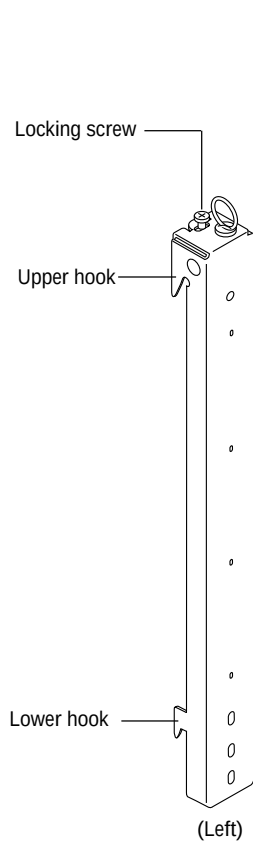
Lift the plasma display, close the Retractable foot, and then push them in.

* Like models that are supplied with stands, the plasma display may be laid down on a flat surface and the display fittings can be attached.

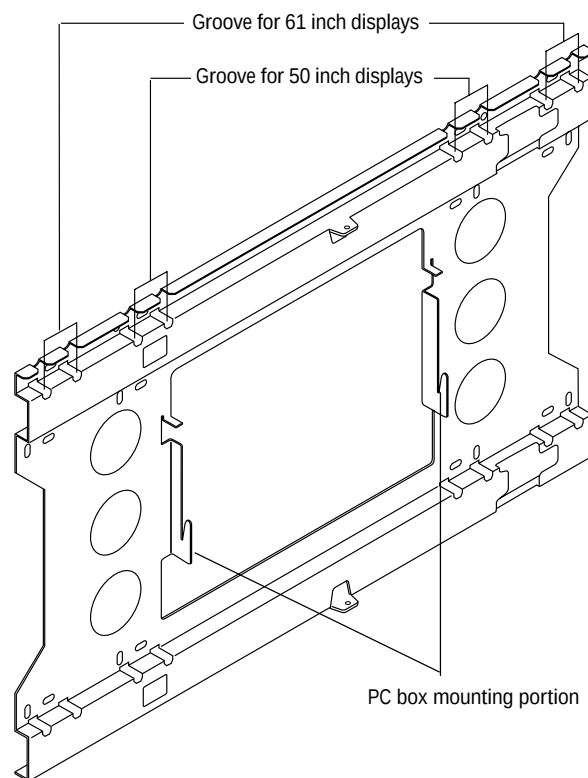
Before Attaching the Wall Mounting Unit...

■ Names of the Parts

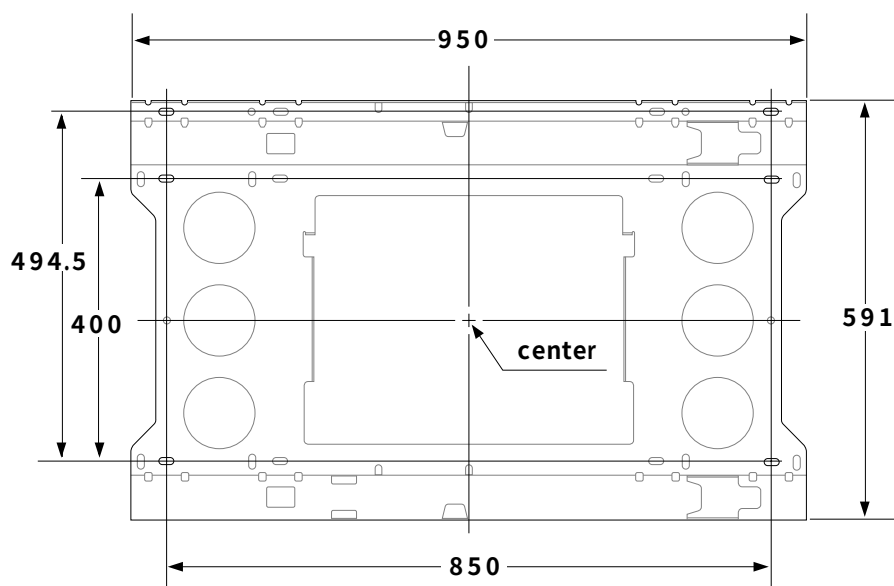
● Display fittings



● Wall Mounting Unit



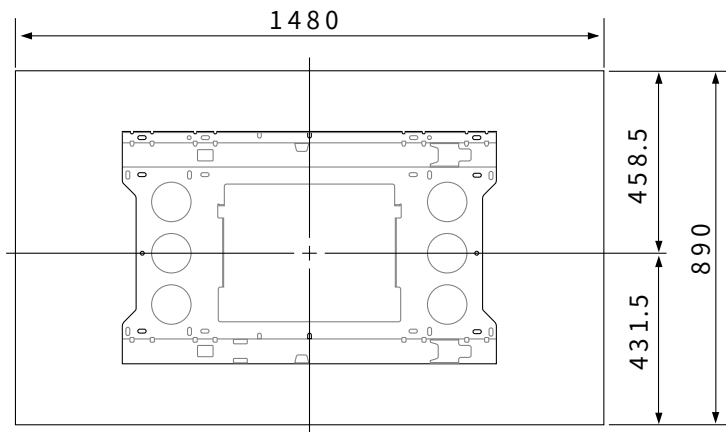
■ Dimensions of the Parts (Unit: mm)



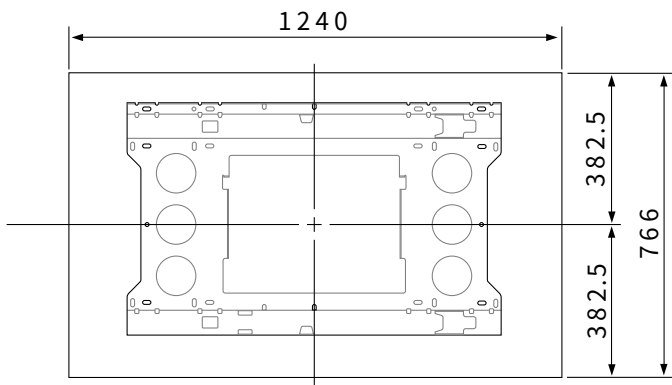
Before Attaching the Wall Mount Unit...

■ Positional Relationship Between the Wall Mounting Unit and the Display (Unit: mm)

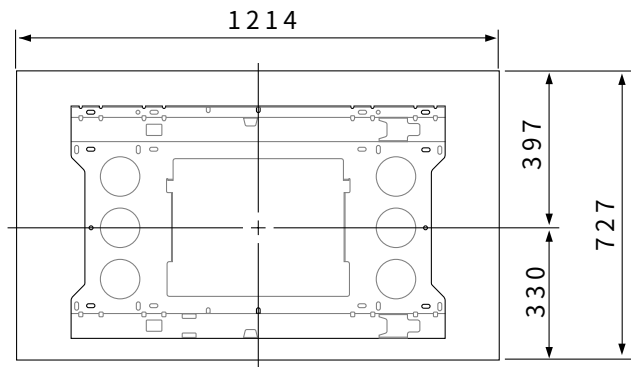
●61 Inch XM Series



●50 Inch XM Series



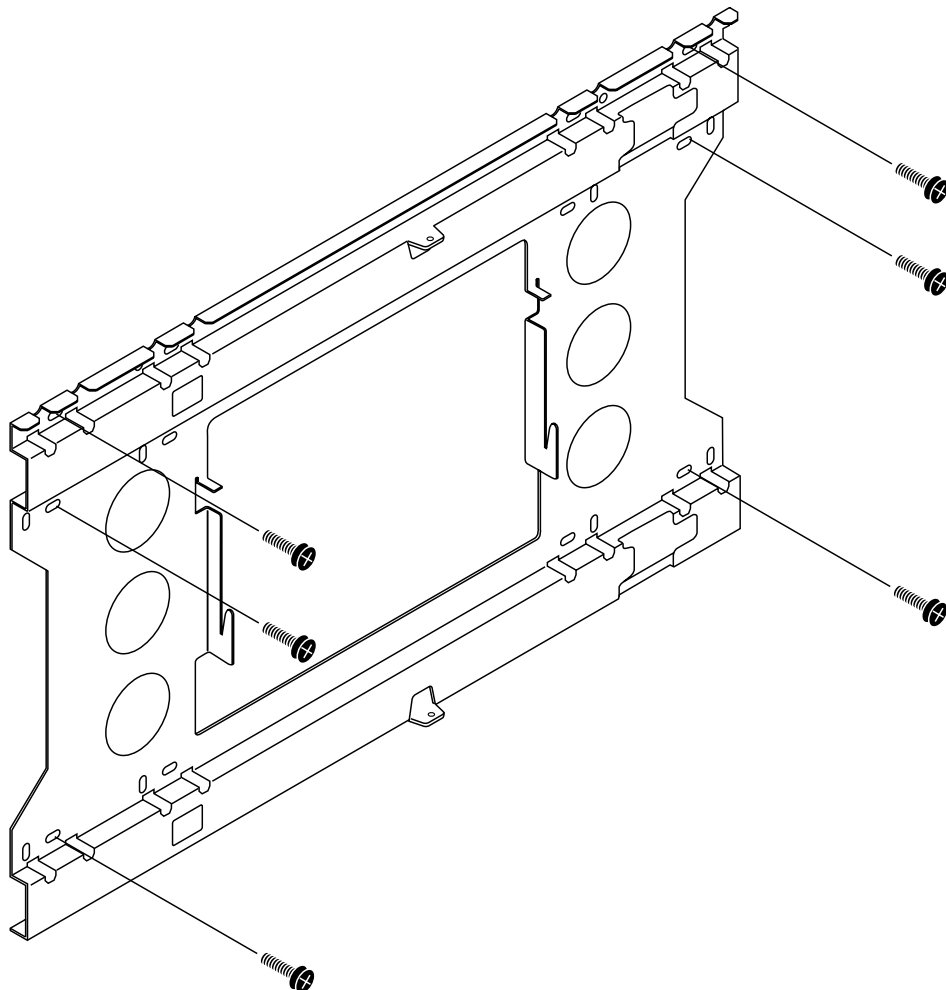
●50 Inch VP Series



Installation

1. Attach the Wall Mounting Unit to the Wall

Fasten with commercially available anchors or with six M8 screws.



Make sure that the anchors or screws are fastened at a location where there is a beam. (Use anchors or screws that are suited for use in all types of walls.)

Installation

Note: When mounting a PC box (made by MiTAC, etc.), connect the cable to the PC box and fix the PC box to the PC box mounting section of the wall mounting unit before mounting the plasma monitor. For the VP series there is space for mounting the PC box on the main unit side. Mount it before installation.

2. Attach the Plasma Display

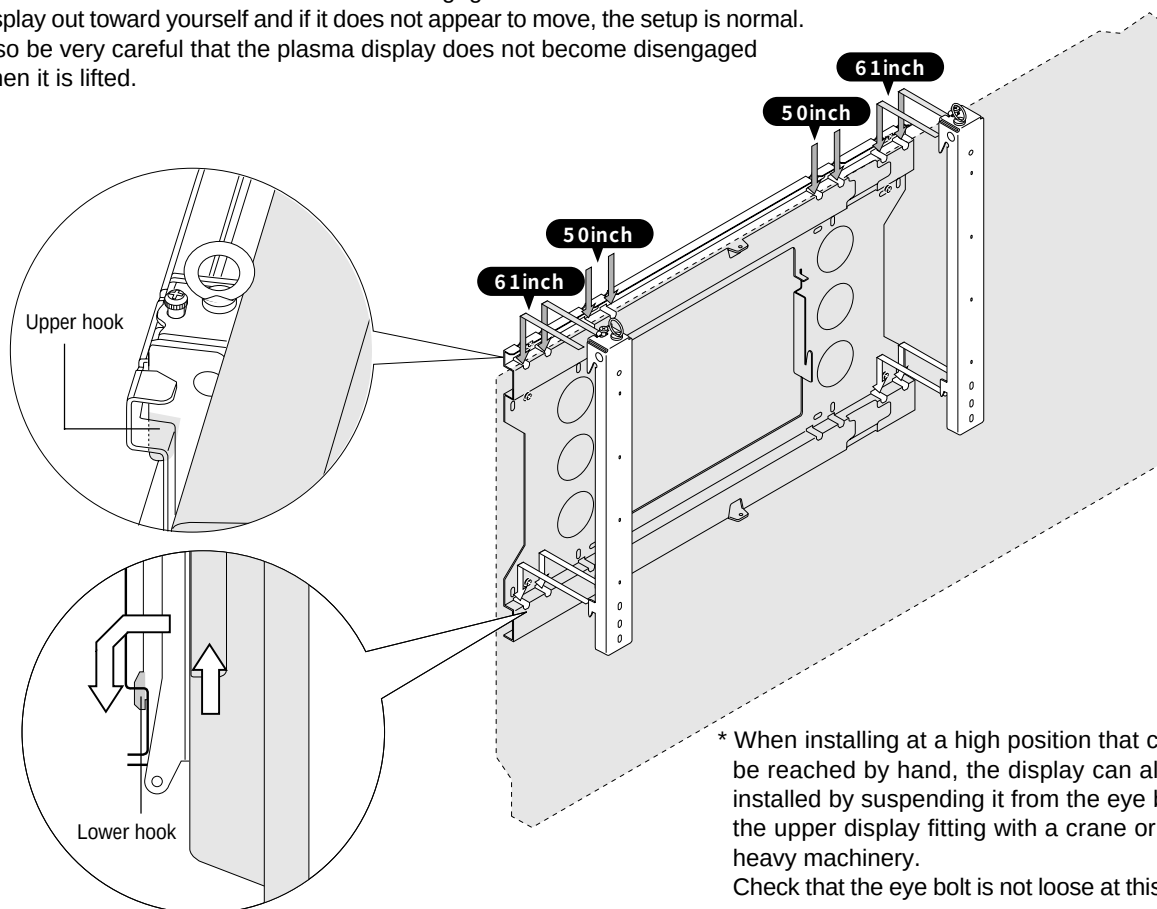
The plasma display with display fittings attached is mounted to the wall mounting unit.

Hook the upper hook of the left and right display fittings to the groove of the wall mounting unit (located on the outside for 61 inch screens and on the inside for 50 inch screens).

When the upper hook has completely engaged, lift the plasma display directly upward about 1 cm and at the point where it stops, press the bottom side of the plasma display in to the wall side.

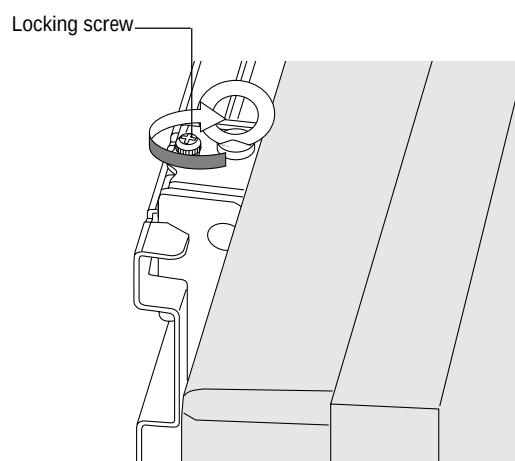
The hook of the bottom side will become engaged. Pull the bottom side of the display out toward yourself and if it does not appear to move, the setup is normal.

Also be very careful that the plasma display does not become disengaged when it is lifted.



3. Locking the Plasma Display

Check that the upper and lower hooks are securely engaged, then use a screwdriver to tighten the locking screw located on the upper part of the left and right display fittings.



Attaching the Display Fittings to the Plasma Display

Mounting the Plasma Display in the Vertical Orientation

Display fittings are required to attach the plasma display to the wall mounting unit. Follow the procedure described below to attach the fittings to the plasma display.

Note: The 50 inch XM Series cannot be used in the vertical orientation.

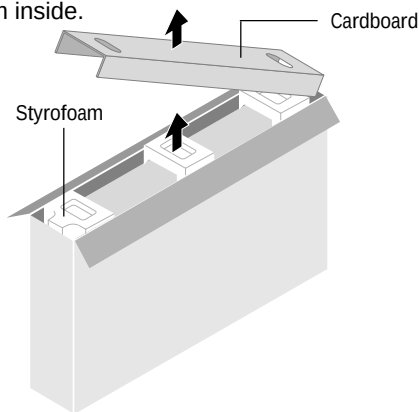
The optional speakers cannot be mounted when the plasma display is installed in the vertical orientation. Doing so may result in them falling.

Preparation

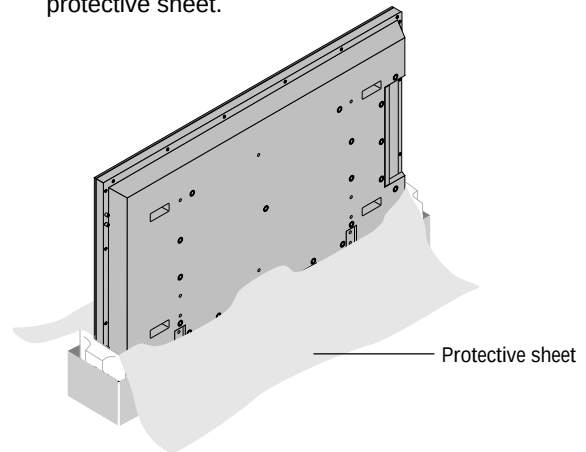
The procedures for mounting the display fittings to the various models will be described after the following steps are performed.

Remove the Packaging

1. Open the top of the cardboard box containing the plasma monitor and remove the cardboard and styrofoam inside.



2. Remove the upper carton and open the protective sheet.



Opened package

■ 61 Inch Plasma Displays

1. Attach the Bracket

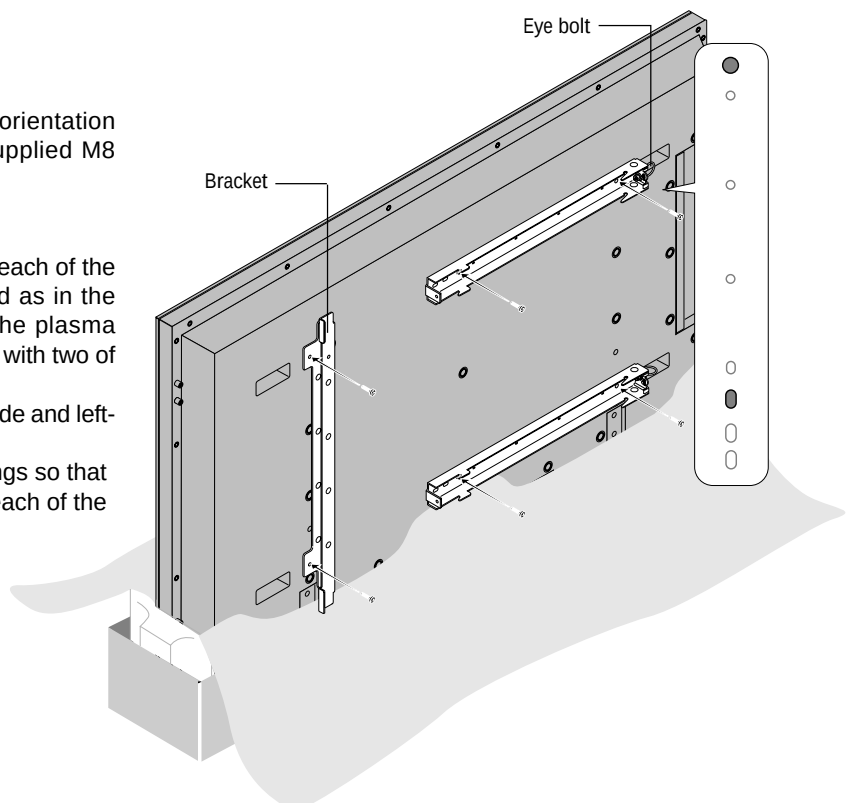
Fasten one of the two brackets in the orientation illustrated in the diagram using two supplied M8 screws.

2. Attach the Display Fittings

Align the 9 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M8 screw holes of the plasma display rear panel and fasten each fitting with two of the supplied M8 screws.

The display fittings are supplied in right-side and left-side types.

When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.



Attaching the Display Fittings to the Plasma Display

When the Stand Is Attached

The display fittings are attached using the M8 screw holes on the rear panel of the plasma display. To prevent falling or other problems, all screws should be removed when rear panel (M8) screw holes are used to attach the fittings and other parts.

■ 61 Inch Plasma Displays

1. Attach the Bracket

Fasten one of the two brackets in the orientation illustrated in the diagram using two supplied M8 screws.

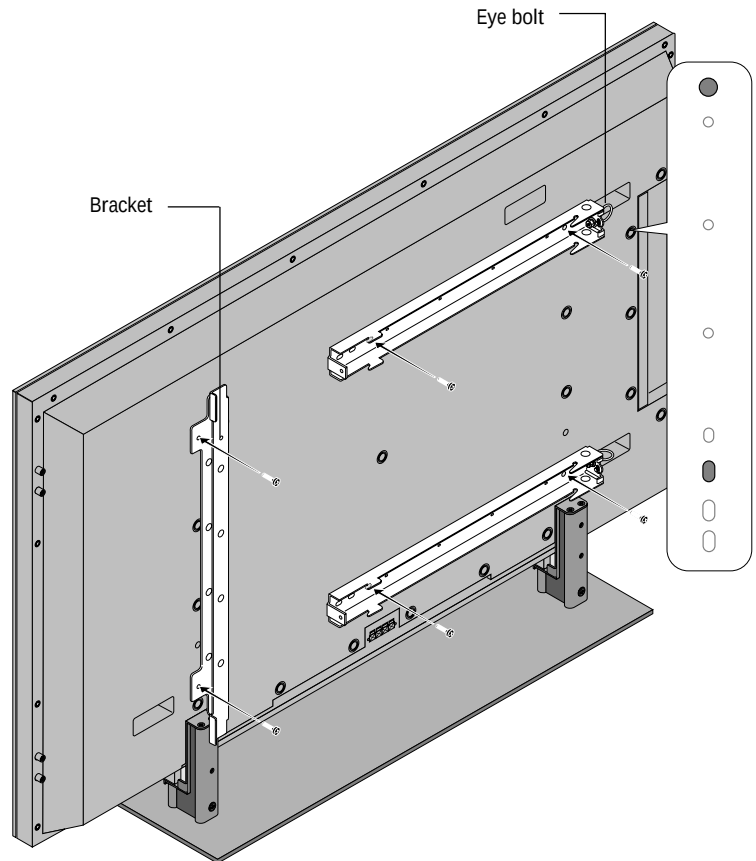
2. Attach the Display Fittings

The display fittings can be attached while the plasma display is mounted to the stand.

Align the 9 mm diameter screw holes of each of the left and right display fittings (positioned as in the diagram) with the M8 screw holes of the plasma display rear panel and fasten each fitting with two of the supplied M8 screws.

The display fittings are supplied in right-side and left-side types.

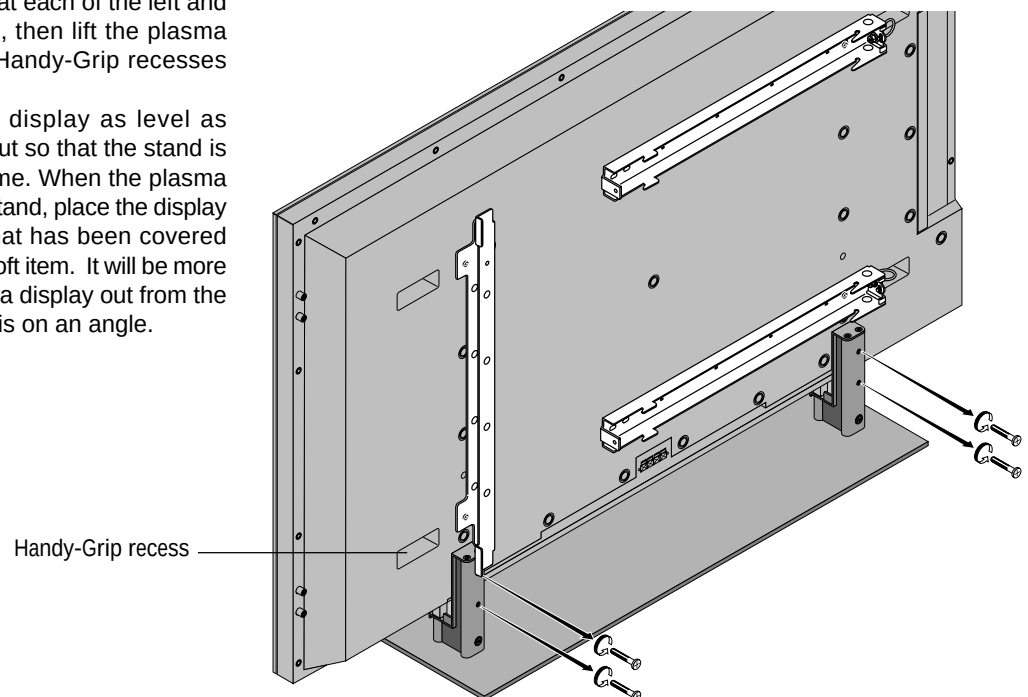
When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.



3. Remove the Plasma Display from the Stand

Loosen the two screws at each of the left and right sides of the stand, then lift the plasma display using the four Handy-Grip recesses located on the back.

At this time, keep the display as level as possible while lifting it out so that the stand is not lifted at the same time. When the plasma display is free from the stand, place the display on a level, hard floor that has been covered with a cushion or other soft item. It will be more difficult to pull the plasma display out from the stand when the display is on an angle.



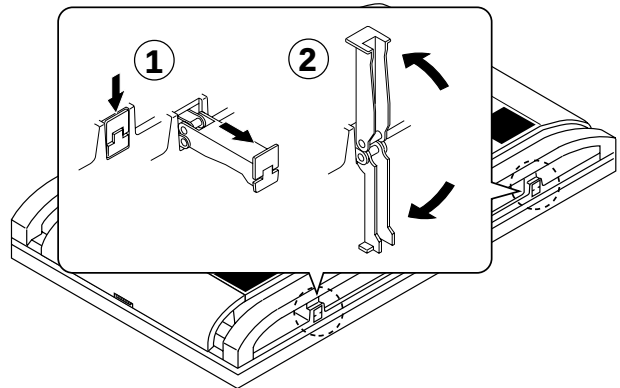
Models with Retractable feet

■ 50 Inch Plasma Displays

1. Setting Up the Retractable foot

Follow the points below and pull out the Retractable foot from the two locations at the bottom surface of the plasma display main unit.

1. Grasp the ends and pull out.
2. The foot will automatically open when your hand is removed.

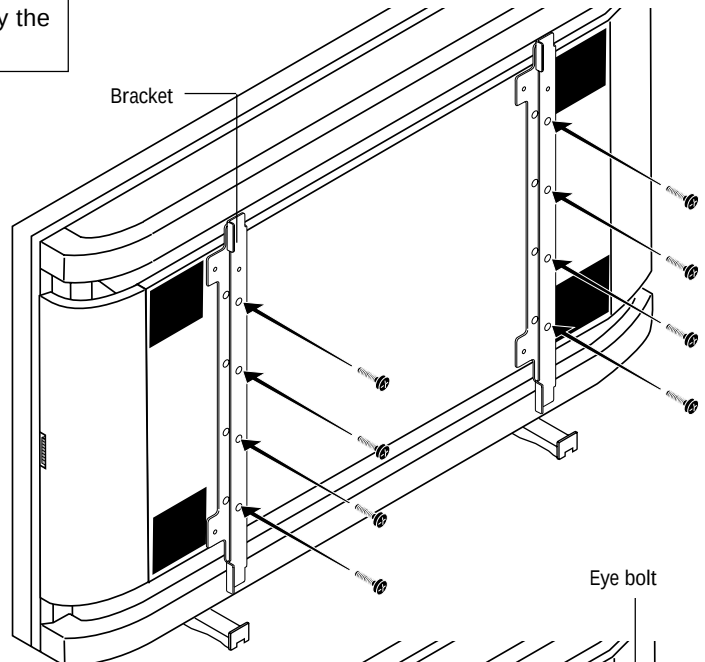


⚠ WARNING!

The Retractable foot are for use as temporary stands at the time of installation. Do not install with only the Retractable foot since this is dangerous.

2. Attach the Brackets

Fasten each of the two brackets with four M4 screws so that the level surface is oriented toward the side that is on top.

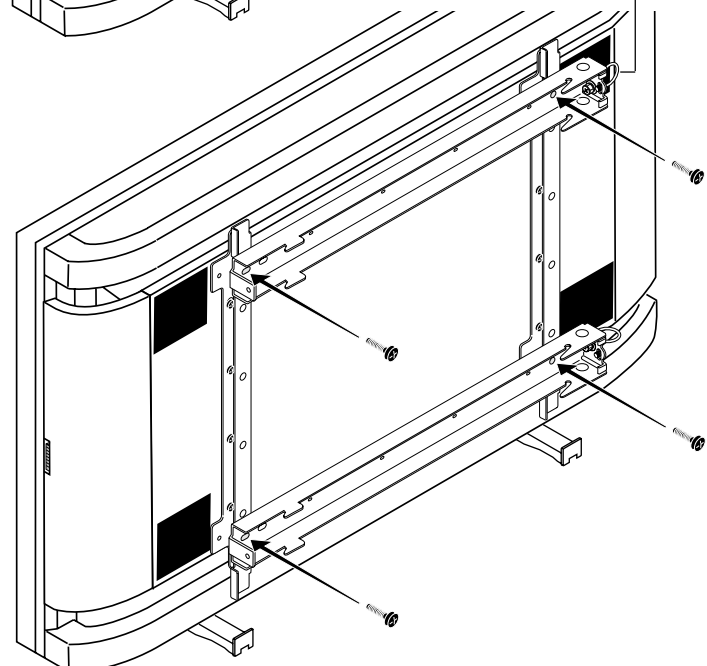


3. Attach the Display Fittings

Fasten each of the left and right display fittings from above the brackets with two M8 screws at the diagram positions.

The display fittings are supplied in right-side and left-side types.

When installing, arrange the display fittings so that the eye bolt is located on the inside for each of the fittings.



4. Close the Retractable foot

Lift the plasma display, close the Retractable foot, and push in.

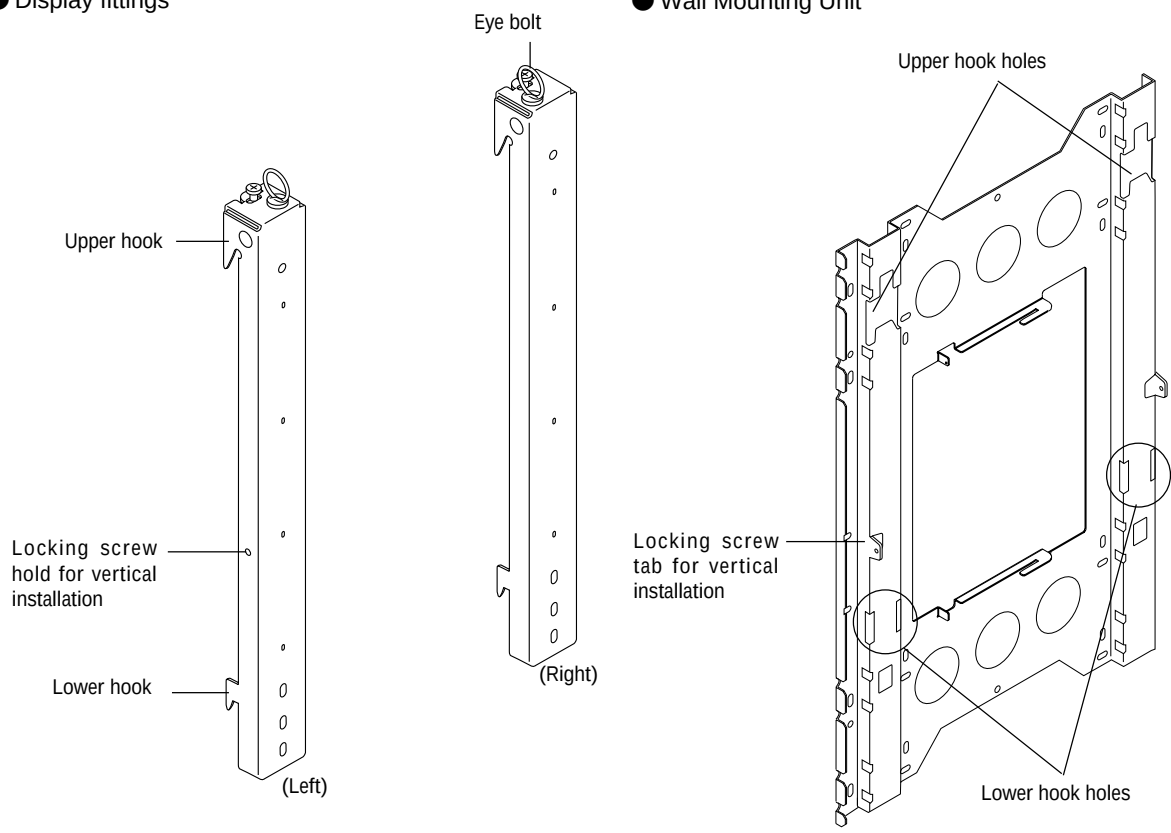
* Like models that are supplied with stands, the plasma display may be laid down on a flat surface and the display fittings can be attached.

Before Attaching the Wall Mounting Unit...

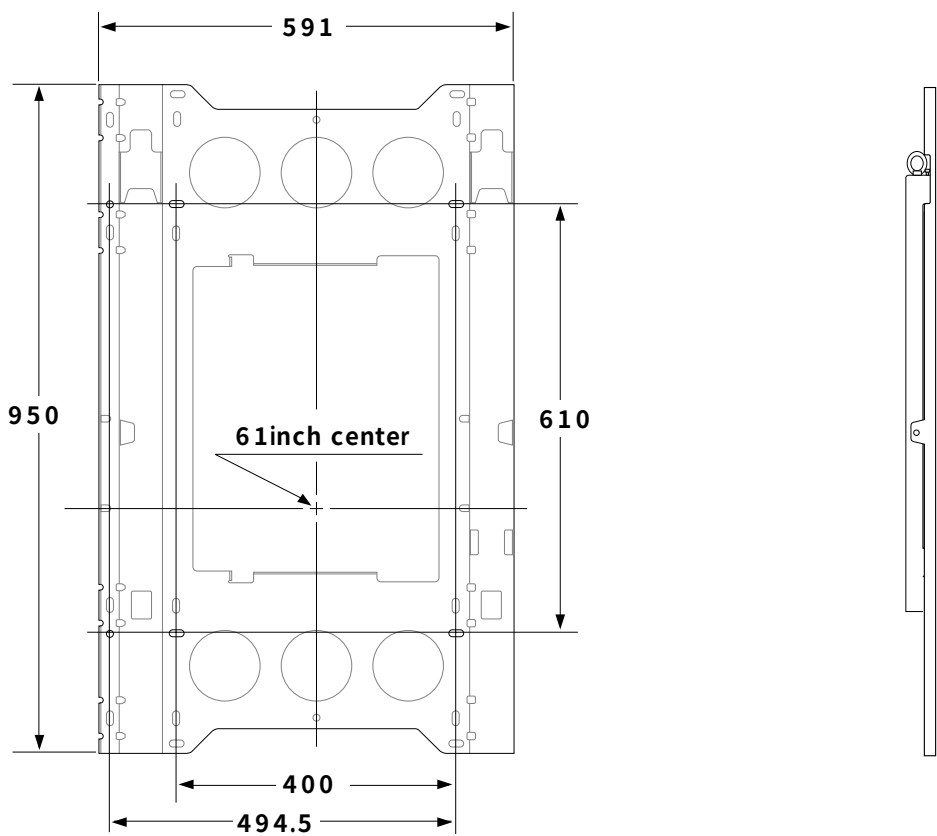
Names of the Parts

● Display fittings

● Wall Mounting Unit



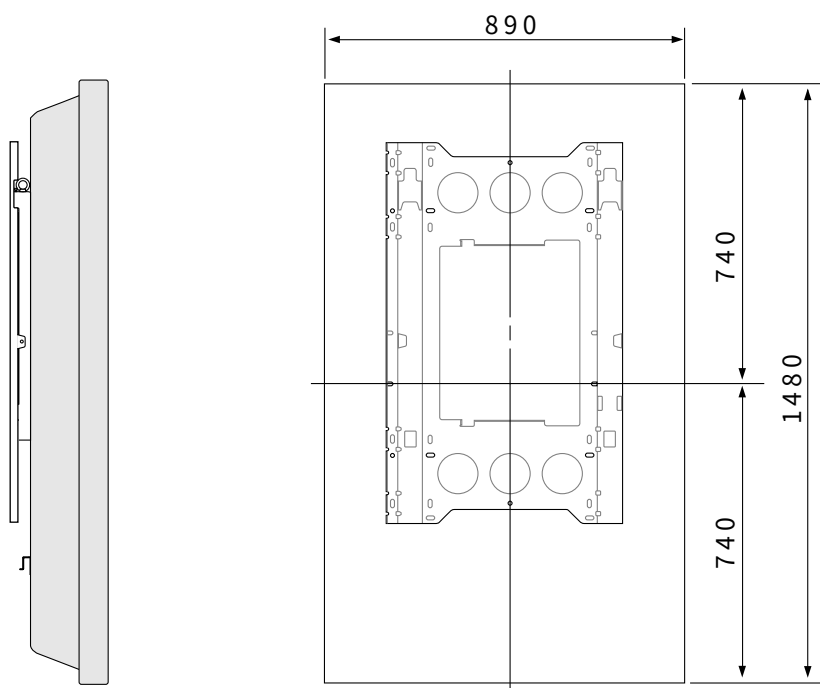
Dimensions of the Parts (Unit: mm)



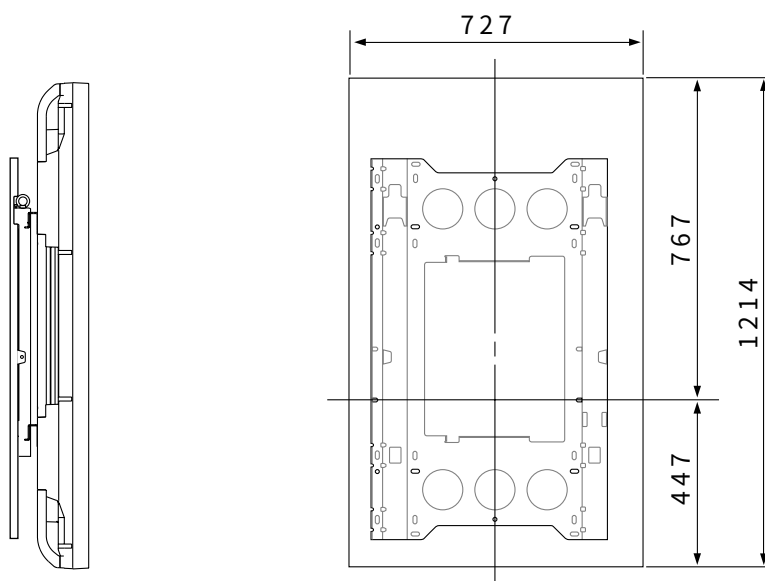
Before Attaching the Wall Mount Unit...

■ Positional Relationship Between the Wall Mounting Unit and the Display (Unit: mm)

● 61 Inch XM Series



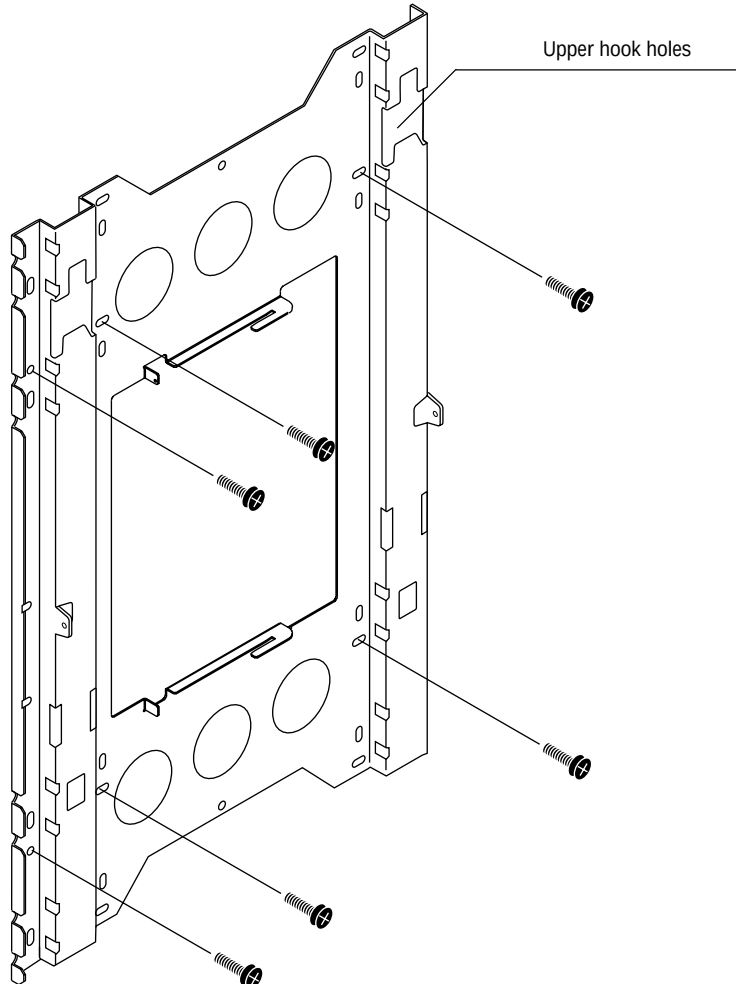
● 50 Inch VP Series



Installation

1. Attach the Wall Mounting Unit to the Wall

Fasten with commercially available anchors or with six M8 screws. Attach so that the upper hook holes are located at the top.



Make sure that the anchors or screws are fastened at a location where there is a beam. (Use anchors or screws that are suited for use in all types of walls.)
For details, see the following Table of Wall Material vs Anchors and Screws.

Note: When mounting a PC box (made by MITAC, etc.), connect the cable to the PC box and fix the PC box to the PC box mounting section of the wall mounting unit before mounting the plasma monitor. For the VP series there is space for mounting the PC box on the main unit side. Mount it before installation.

2. Attach the Plasma Display

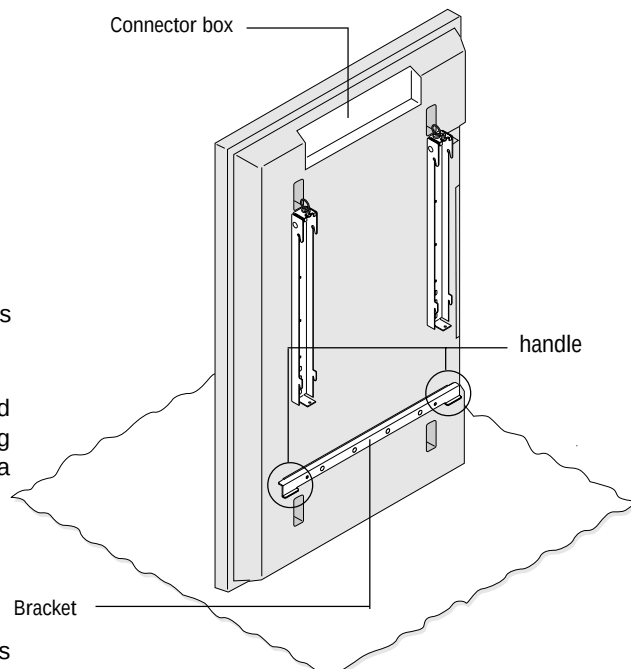
Mount the plasma display with the display fittings attached to the wall mounting unit.

Place the plasma display on a cushion or other soft item that has been laid on a level floor and change the orientation so that the connector box is at the top.

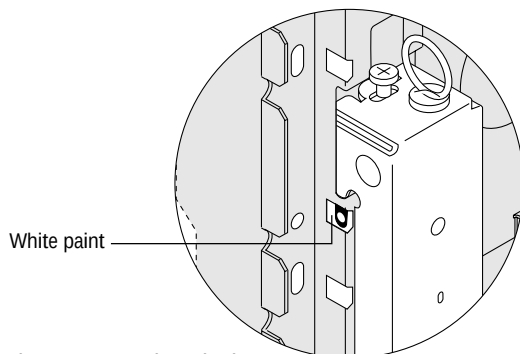
* Please use the bracket as a handle.

As a safety measure at this time, be certain to use gloves when doing the work.

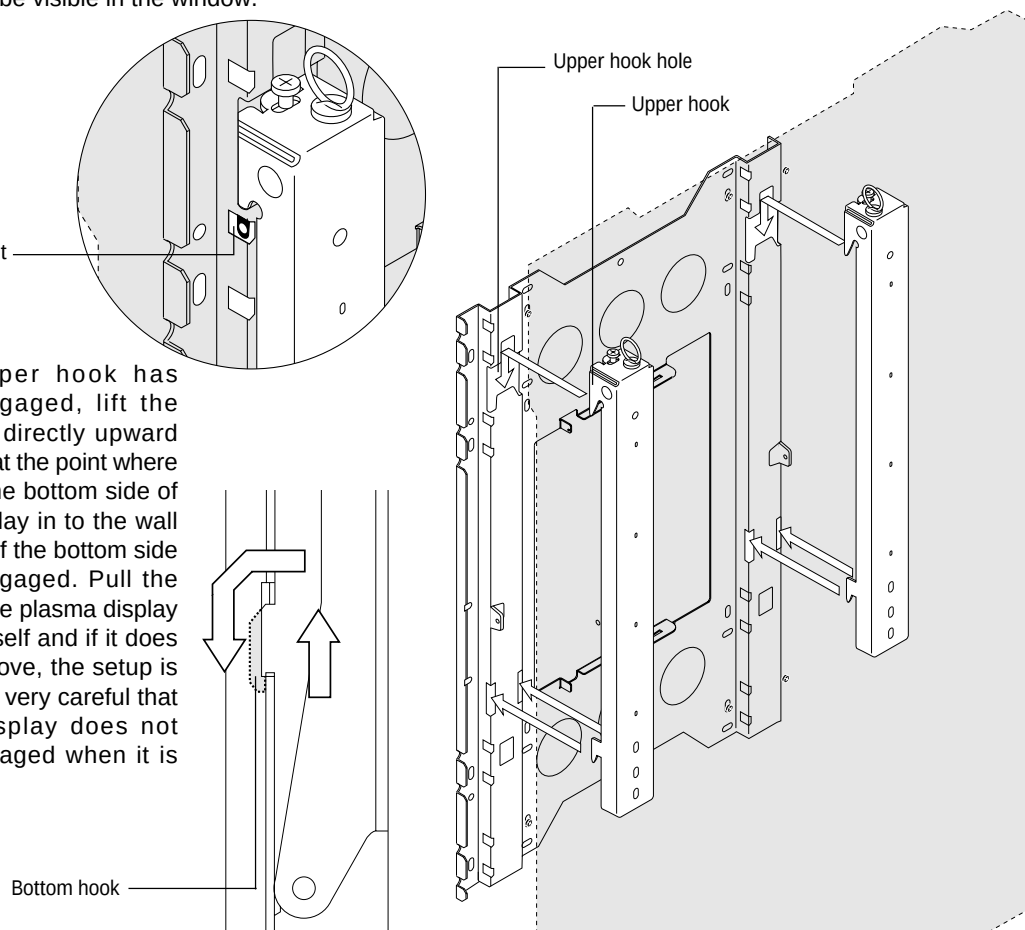
* When installing at a high position that cannot be reached by hand, the display can also be installed by suspending it from the eye bolt of the upper display fitting with a crane or other heavy machinery. Check that the eye bolt is not loose at this time.



Hook the upper hooks of the left and right display fittings into the upper hook holes of the wall mounting unit. When the upper hook is completely engaged, a white painted area will be visible in the window.



When the upper hook has completely engaged, lift the plasma display directly upward about 1 cm and at the point where it stops, press the bottom side of the plasma display in to the wall side. The hook of the bottom side will become engaged. Pull the bottom side of the plasma display out toward yourself and if it does not appear to move, the setup is normal. Also be very careful that the plasma display does not become disengaged when it is lifted.



3. Locking the Plasma Display

Fasten the left and right display fittings by tightening the supplied M5x25 screws with a screwdriver.

