



Installation Guide

Accessories *for the* *Wide Plasma Display*

Pedestal

TY-ST42PT3S TY-ST42PT3K

Wall stand

TY-ST42PW1

Mobile stand

TY-ST42PF3

Wall-hanging bracket (vertical)

TY-WK42PV1

Wall-hanging bracket (angled)

TY-WK42PR1

Ceiling unit

TY-CE42PS1

Speakers

TY-SP42PM3W TY-SP42PWD3W

How to use this manual

Some notes on how to read this manual

In this manual, the number such as "1, 2, 3,..." appears to the left of each step.

Go ahead in numerical order.

Warning:

Indicates a situation where incorrect handling may result in death or serious injury for the person performing the installation.

Caution:

Indicates a situation where incorrect handling may result in breakdown or damage to physical objects.

Note:

Contains more detailed information than in the steps in the main text. Be sure to read the notes.

Other notes

- More-detailed explanations and supplemental information for the installation procedures are given on the right.
- * Be sure to read not just the steps on the left, but the information on the right as well.
- At the very beginning of the installation procedure, there are illustrations for assembling various accessory parts on the Wide Plasma Display. Refer to them when installing.
- Each installation procedure for accessory parts is preceded by a brief description of the procedure. During the procedure, refer to the description if necessary.
- Each installation procedure for accessory parts is followed by an explanation of how to remove the Wide Plasma Display. Refer to this when it is necessary to remove the accessory parts from the Wide Plasma Display and reposition it.

Before installing

Be sure to read through these instructions before starting the installation.

The installation should be only performed by a professional person.

If any parts are not installed correctly, the display unit may fall, possibly resulting in damage and personal injury.

Warning:

Failure to follow Warning instructions may result in damage and personal injury.

Make sure that all safety conditions regarding strength at installation are observed.

If the installation strength is insufficient, the display unit may fall and personal injury may result.

Do not install in places which are unable to bear the weight of the display.

If the strength of the floor and wall at the site of installation is insufficient, the display unit may fall, possibly resulting in damage and personal injury.

Caution:

A caution indicates special precautions against actions which may result in fire or electric shock.

Do not install in places subject to humidity, dust, oil fumes, condensation or excessive heat.

These factors may adversely affect the Wide Plasma Display, possibly resulting in fire or electric shock.

Do not install the Wide Plasma Display horizontally with the screen facing up, or sideways or upside down.

Installing the screen other than in the conventional viewing setting may cause heat to build up inside the display and possibly result in fire.

Two persons are required to install and remove the display unit.

The display unit is heavy and at least two persons are needed to handle it safely. The display unit may drop and personal injury may result if one person attempts to install it without assistance.

Maintain a space of at least 10 cm respectively at the top, bottom and sides of the display unit and at least 1.9 cm at the rear of the display unit.

The display unit has air outlet holes at the top and air intake holes at the bottom and rear. These holes must not be blocked, nor airflow not be obstructed. Otherwise fire may result.

Tools list

The tools in the following tables are necessary for complete assembly.

Before attempting to install the accessories, make sure you have the following tools on hand.

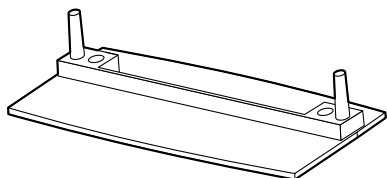
	Plus screw driver	Clean cloth	Drill	Measure	Level gauge
Pedestal	✓	✓	–	–	–
Wall stand	✓	✓	✓	✓	✓
Mobile stand	✓	✓	–	–	–
Wall-hanging bracket (vertical)	✓	✓	✓	✓	✓
Wall-hanging bracket (angled)	✓	✓	✓	✓	✓
Ceiling unit	✓	✓	✓	✓	✓

Optional parts list

	Wire or Chain	M6 bolt x 6
Pedestal	✓	–
Wall stand	–	✓
Mobile stand	–	–
Wall-hanging bracket (vertical)	–	✓
Wall-hanging bracket (angled)	–	✓
Ceiling unit		

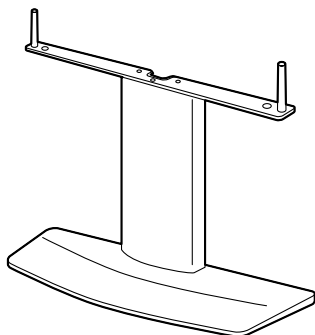
Accessory list

1 Pedestal



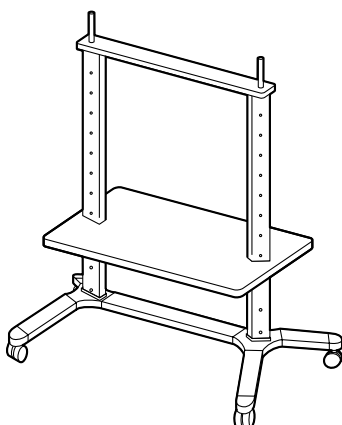
TY-ST42PT3-S
TY-ST42PT3-K

2 Wall stand



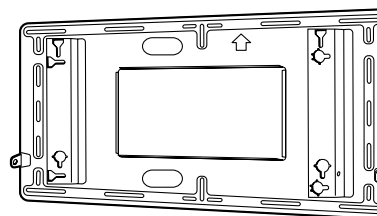
TY-ST42PW1

3 Mobile stand



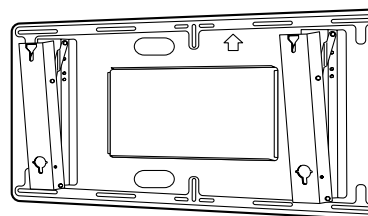
TY-ST42PF3

4 Wall-hanging bracket (vertical)



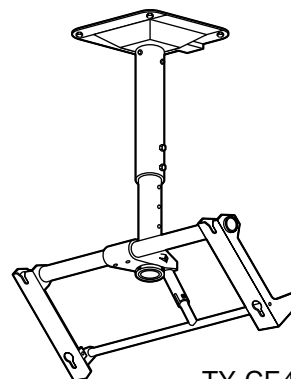
TY-WK42PV1

5 Wall-hanging bracket (angled)



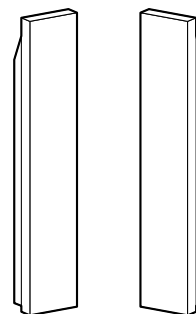
TY-WK42PR1

6 Ceiling unit



TY-CE42PS1

7 Speakers



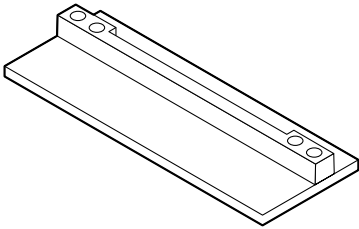
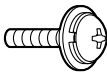
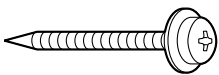
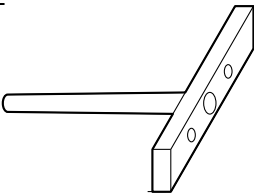
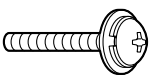
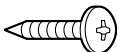
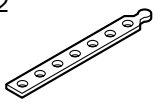

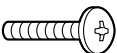
TY-SP42PM3W
TY-SP42PWD3W

■ For information on the wiring of the Wide Plasma Display after installing accessories, be sure to refer to the documentation that comes with the Wide Plasma Display.

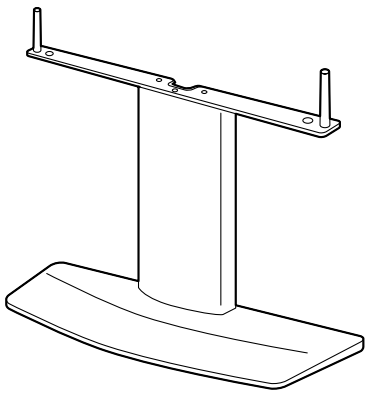
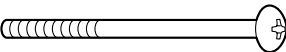

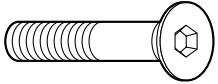
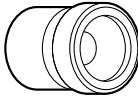
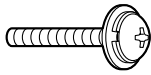

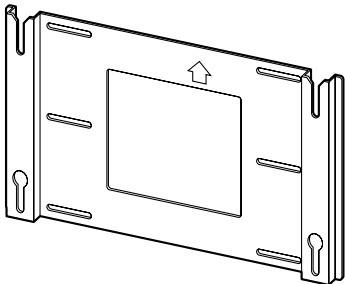
Parts list

Check the part number before performing the installation procedure.

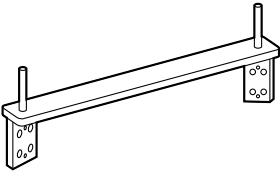
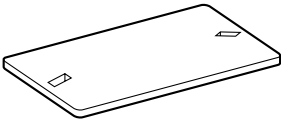
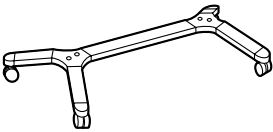
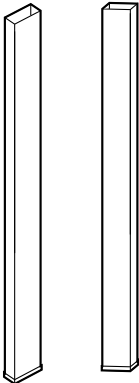
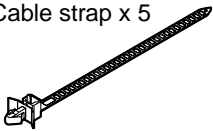
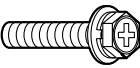


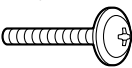
1 Pedestal

1 Base 	3 Assembly screw(M5-20) x 4 	7 Wood screw x 2 
2 Pole x 2 	4 Assembly screw (M5-30) x 4 	8 Black screw x 2 
	5 Band x 2 	9 Clamp x 4 
	6 Black screw x 2 	

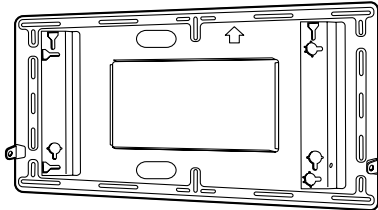
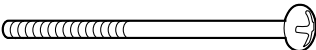
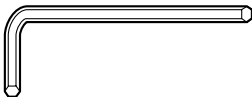
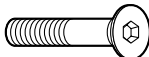

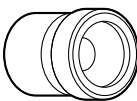
2 Wall stand

1 Wall pedestal 	3 Fixing screw (M5) x 2 	6 Allen key (accessory) 
	4 Pan head bolt with hex socket (M8-45) x 4 	7 Insulating spacer x 4 
	5 Fixing screw (M5) x 2 Assembly 	8 Toothed pan washer x 4 
2 Holding bracket 		

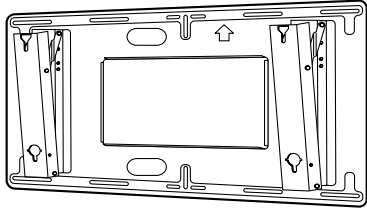
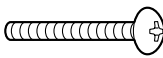

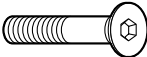

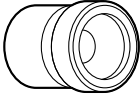
3 Mobile stand

1 Holder 	2 Shelf 	3 Stand base 	4 Support x 2 
5 Cable strap x 5 	6 Bolt (M8)x 4 	7 Assembly screw (M6-16) and spring washer x 4 each 	
8 Assembly screw (M5-15) x 4 	9 Assembly screw (M5-30) x 4 		

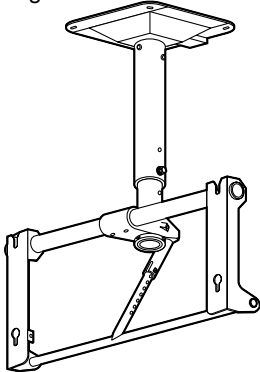
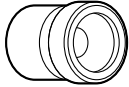

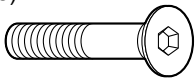

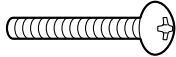

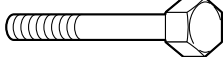
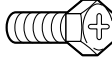



4 Wall-hanging bracket (vertical)

1 Wall-hanging bracket unit 	2 Fixing screw (M5) x 2 	6 Allen key (accessory) 
	3 Pan head bolt with hex socket (M8-45) x 4 	
	4 Tooted pan washer x 4 	
	5 Insulating spacer x 4 	

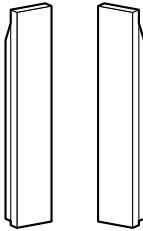

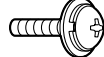
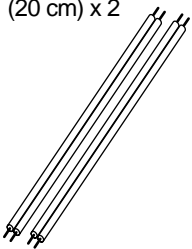
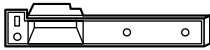

5 Wall-hanging bracket (angled)

1 Wall-hanging bracket unit 	2 Fixing screw (M5-35) x 2 	6 Allen key (accessory) 
	3 Pan head bolt with hex socket (M8-45) x 4 	
	4 Tooted pan washer x 4 	
	5 Insulating spacer x 4 	

6 Ceiling unit

1 Ceiling unit 	4 Insulating spacer x 4 	9 Fixing bolt (M8-12) x 2 
2 Pan head bolt with hex socket (M8-45) x 4 	5 Allen key 	10 Fixing screw (M5) x 2 
3 Toothed pan washer x 4 	6 Fixing bolt (M8-100) 	11 Fixing bolt (M8-20) x 2 
7 Spring washer 	12 Cable tie x 2 	8 Washer pan nut (M8) 

7 Speakers

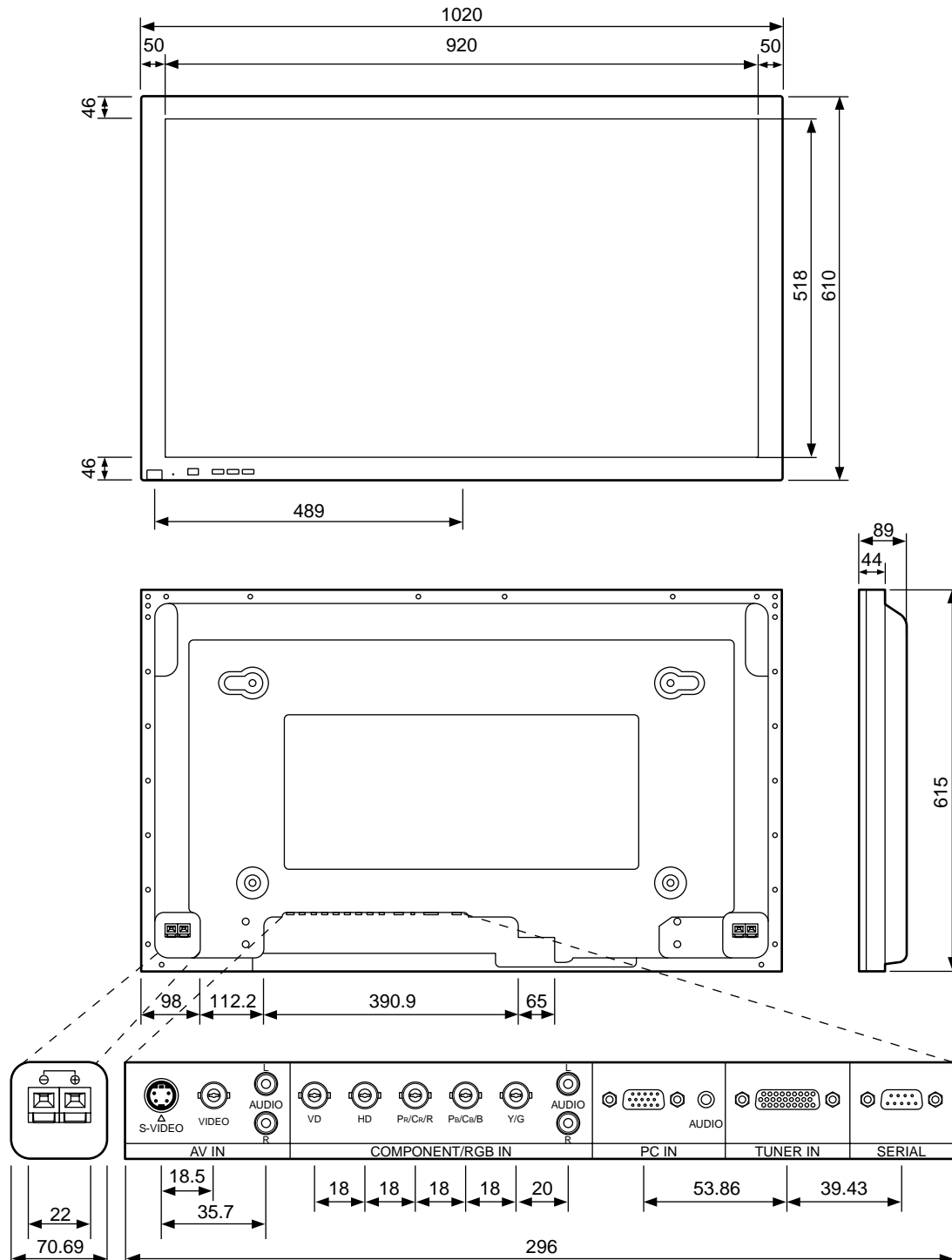
1 Speaker x 2 	2 Mounting bracket (right) x 2 	4 Bracket mounting Assembly screw (M4-10) x 12 	6 Speaker cable (20 cm) x 2 
3 Mounting bracket (left) x 2 	5 Sponge x 2 		

Points to note during installation

- This ceiling unit is for mounting a Wide Plasma Display to a ceiling for viewing purposes. Do not use it for any type of installation other than ceiling mounting.
- In order to ensure correct, problem-free operation of the Wide Plasma Display, do not install the Display in any of the following places:
 - Next to sprinklers or sensors
 - Where it may be subject to vibration or shocks
 - Near high-voltage wires or electric motors
 - Where it may be in direct contact with air from heaters
- When installing this ceiling unit, use a fixing method appropriate to the type of ceiling.
- Insert the mains plug for the Wide Plasma Display into a mains socket which is close and easily accessible.
- Provide adequate ventilation so that the temperature around the display does not rise above 40°C (104 F°). If there is insufficient movement of the air inside the display, heat may build up inside the display and fire may result.
- For U.S.A (TH-42PW3 / TH-42PWD3 only)
 - If the connection cable cannot reach the Display when it has been installed to the wall, use the 15 m cable (TY-SCP15C03) which is sold separately.

Dimensions of the display unit

Units : mm

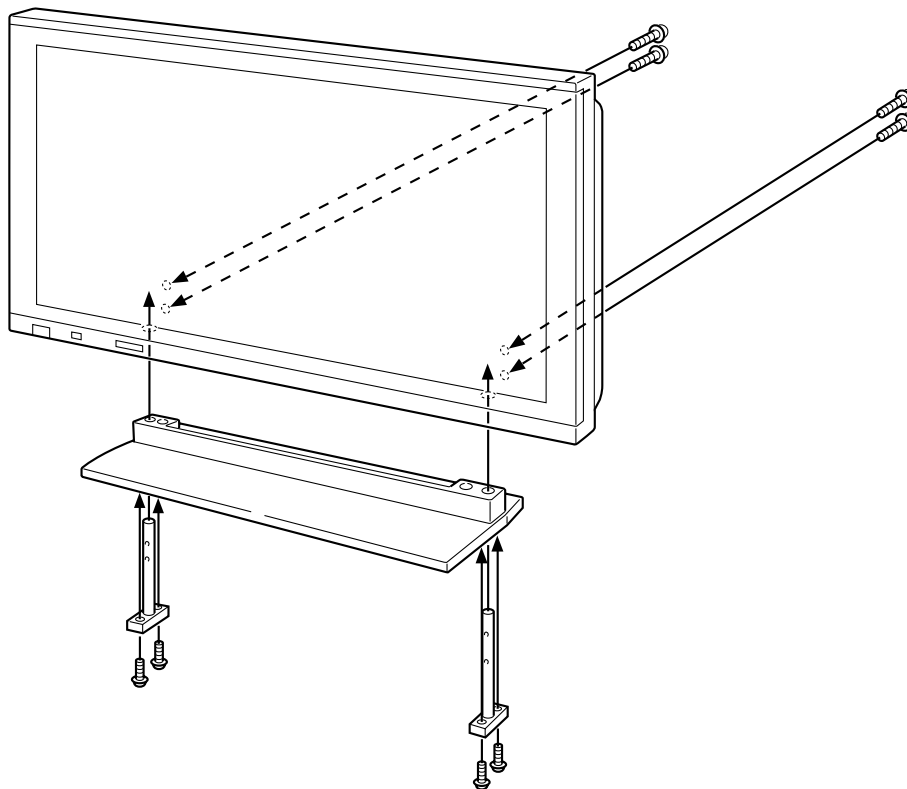


■ To connect the power cord and others, refer to the documentation that comes with the Wide Plasma Display.

Pedestal

TY-ST42PT3S
TY-ST42PT3K

Assembly diagram



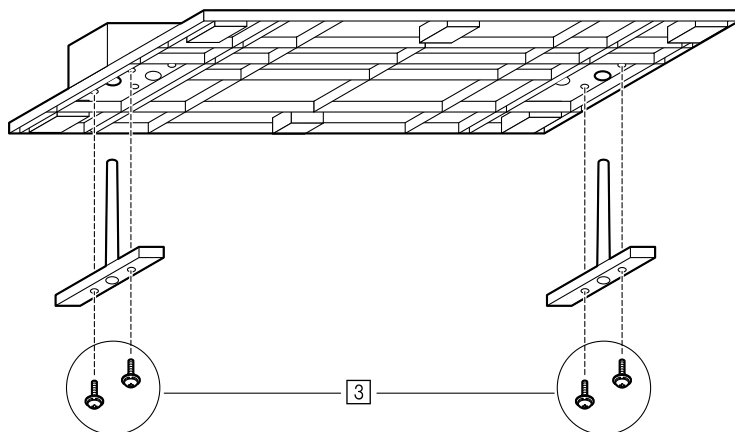
CONTENTS

Instruction of the installation	1-2
1.Assembling the pedestal	1-2
2.Attaching the pedestal to the display unit	1-2
3.Fixing the display unit	1-3

Instruction of the installation

1 Assembling the pedestal

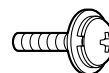
- 1 Put the poles into the outer holes on the base, and fasten the four 3 screws.



◀ Note:

Ensure that the poles sit flush with the bottom of the base.

- 3 Assembly screw (M5-20) x 4

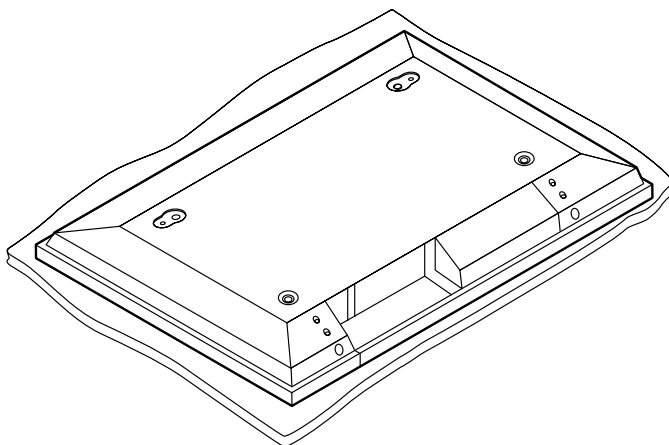


2 Attaching the pedestal to the display unit

- 1 Spread a clean cloth over a level floor or base, and place on it the display unit face down.

Remove the screws and covers.

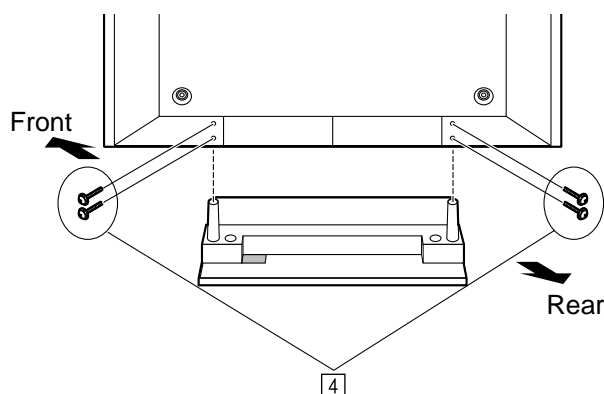
Keep them in a safe place for possible future use.



◀ Note:

Place the display face down on a cloth clean and free from other foreign particles, and then proceed to the next step.

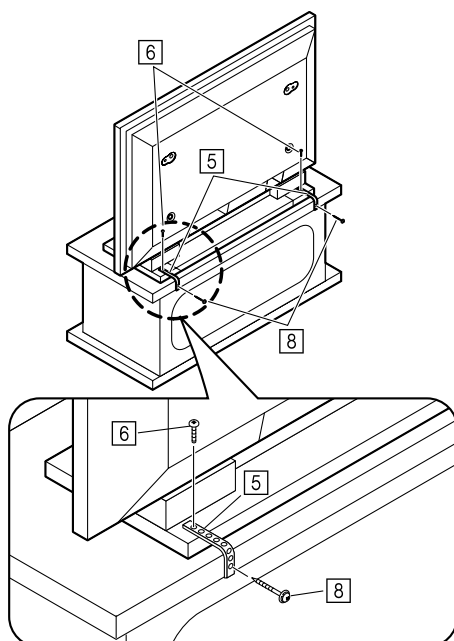
- 2 Insert the two poles at the top of the pedestal into the holes in the base of the display unit as shown in the illustration below.
- 3 Insert the four [4] screws, two on each side, into the holes in the back of the display unit and screw them into the holes on the inserted poles.



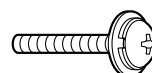
3 Fixing the display unit

Fixing the display unit to a desk.

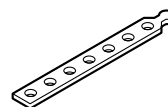
- 1 Screw the bands to the pedestal with [6] screws.
- 2 Screw the bands to edge of a desk with [8] screws.



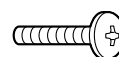
- [4] Assembly screw
(M5-30) x 4



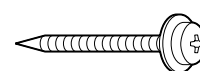
- [5] Band x 2



- [6] Black screw x 2



- [8] Wood screw x 2

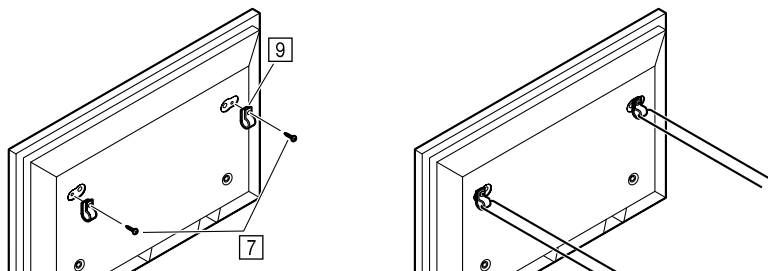


◀ Note:

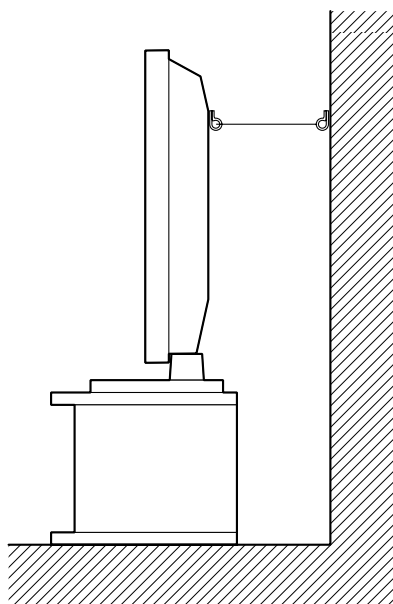
*If you are using a wooden desk, then use the wood screws.
Use the appropriate screws for the type of material of the desk.*

■ Fixing the display unit to the wall

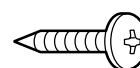
- 1** Insert the **7** screws and clamp into the holes at the back of the display unit.



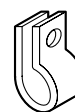
- 2** Use a strong wire or chain commercially available to fix the display unit to a solid area of the wall or pillar.



7 Black screw x 2



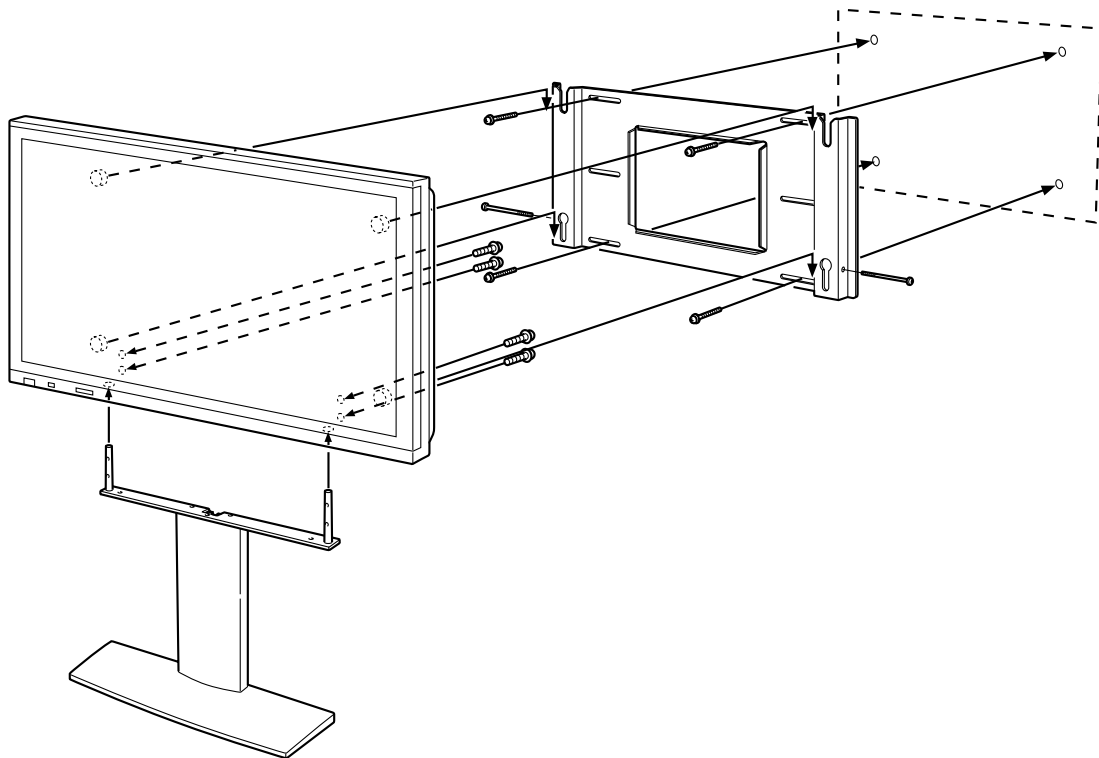
9 Clamp x 4



Wall stand

TY-ST42PW1

Assembly diagram



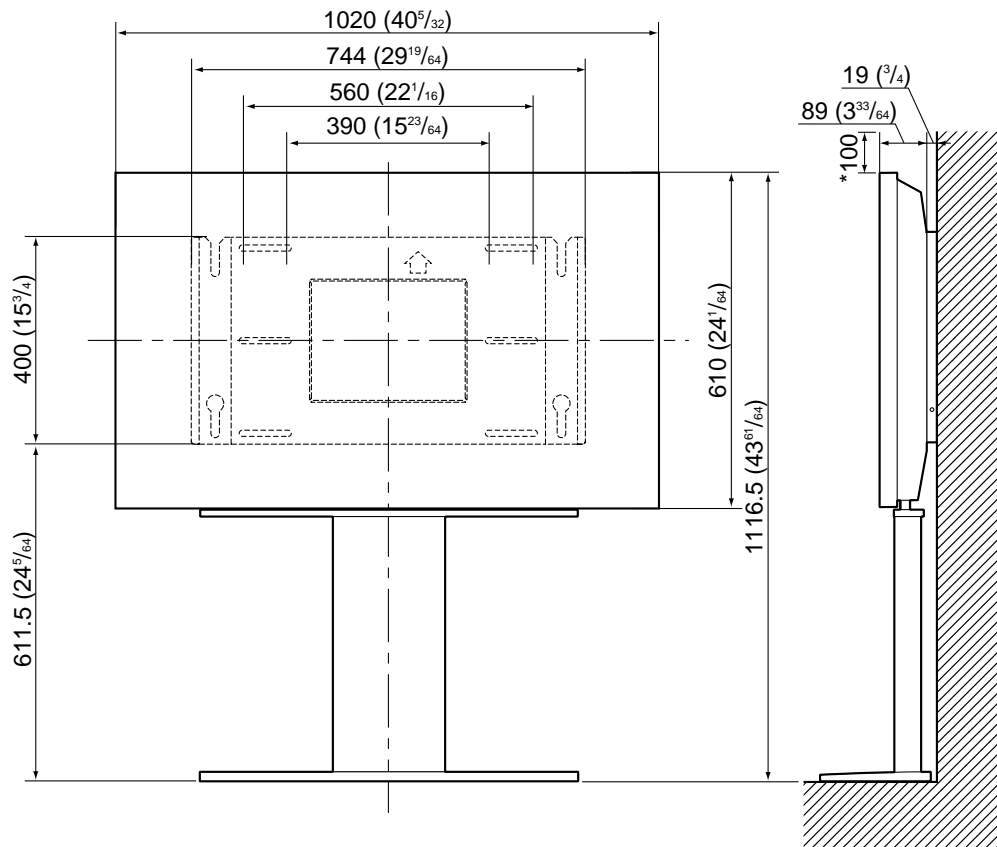
CONTENTS

Description	2-2
Instruction of the installation	2-3
1.Assembling the wall stand.....	2-3
2.Fixing the insulating spacers to the display unit	2-4
3.Attaching the wall stand to the display unit	2-6
4.Fixing the display unit to the wall	2-7
Removing the display unit.....	2-8

Description

Installation diagram

Units : mm



* A clearance of at least 100mm at the top of the display unit should be provided.

Instruction of the installation

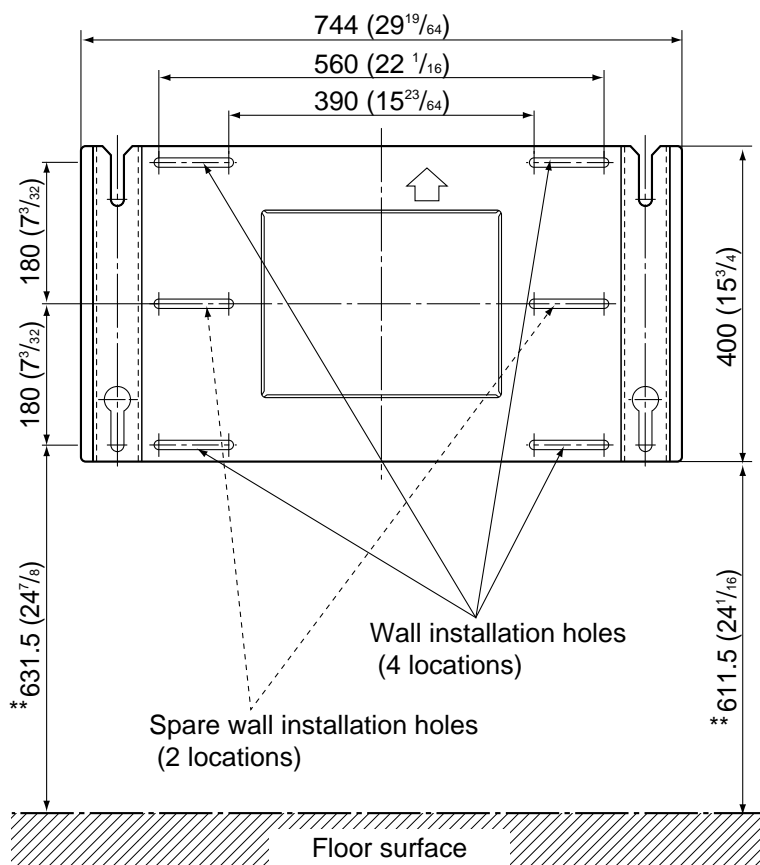
1 Assembling the wall stand

1 Check the strength of the installation location.

The height measurements marked ** are particularly important. Do not attempt to set up the pedestal in a location where these dimensions and a clearance of at least 100 mm at the top of the display unit should be provided.

- 1) On the wall, measure and mark a height 650 mm above the floor;
- 2) Measure and mark the location 475 mm horizontally to the right of the mark you made in 1). Measure and mark points 180 mm and 360 mm above each mark (for a total of six marked locations);
- 3) Drill a hole at each of the six marked locations on the wall.

Units : mm



◀ Note:

Refer to the holding bracket installation measurements in the drawing left. Ensure that the wall is able to bear the weight at each of the 4 upper and lower installation locations. Add reinforcement if any of these locations are not strong enough.

◀ Note:

Ensure an area of at least 650 mm by 1,230 mm in length at the location where you plan to install the holding bracket.

◀ Note:

The holding bracket has 6 slits through which the bracket can be fixed to a wall with screws.

If the wall material does not allow sufficient strength by using six installation holes, use some of the spare holes. However, depending on the construction material used at the place of installation, cracks may develop if the screws are inserted too close to each other.

2 Fix a M6 screw, through any of the slits in the bracket, into the corresponding hole in the wall.

Using a level along the top or bottom edge, ensure that holding bracket is horizontal.

Caution:

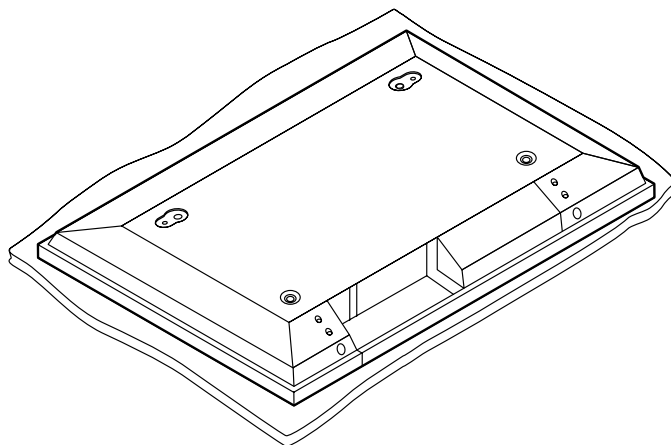
The holding bracket must always be installed. It prevents the display unit from falling after installation.

3 Fix the screws through the slits into the remaining three holes.

4 Provisionally tighten the fixing screws.

2 Fixing the insulating spacers to the display unit

- 1) Spread a clean cloth over a level floor or base, and place it on the display unit face down.
- 2) Remove the screws and covers. Keep them in a safe place for possible future use.



◀ Note:

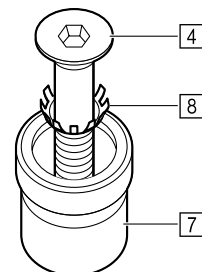
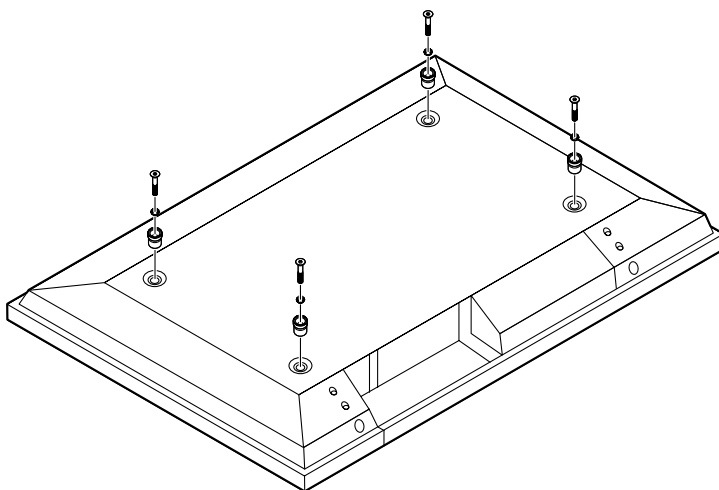
If the screws protrude more than 5 mm, it will not be possible to properly install the display unit.

◀ Note:

Carefully place the Wide Plasma Display face down on top of a clean cloth, which has been spread over a flat surface with no other objects on it, and then proceed to the next step.

2 Remove the four screws.

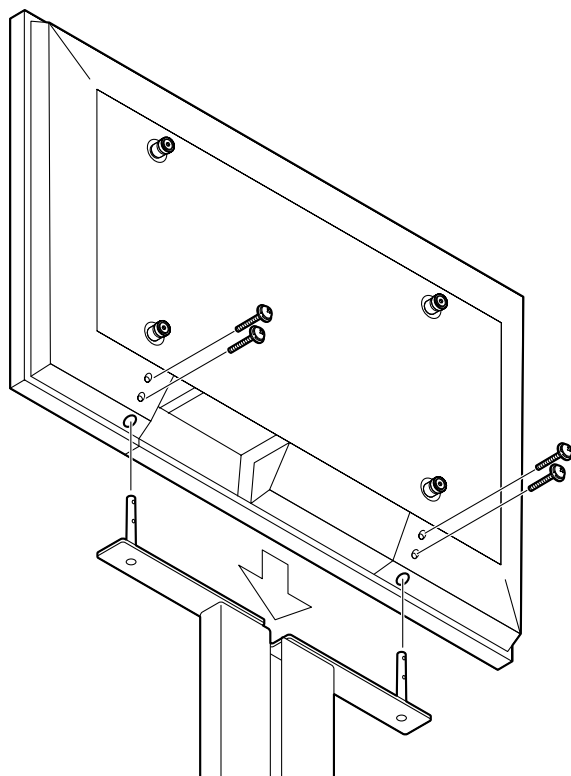
3 As shown in the illustration, use the supplied "Allen key" to fasten the screw through **8** and **7** , then screw the four **4** to the display unit.



- 4** Pan head bolt with hex socket
- 8** Toothed pan washer
- 7** Insulating spacer

3 Attaching the wall stand to the display unit

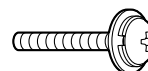
- 1 Insert the two poles at the top of the wall pedestal into the holes in the base of the display unit as shown in the illustration.
- 2 Insert the four [5] screws, two on either side, into the holes in the back of the display unit and fasten them into the holes in the inserted poles.



◀ **Note:**

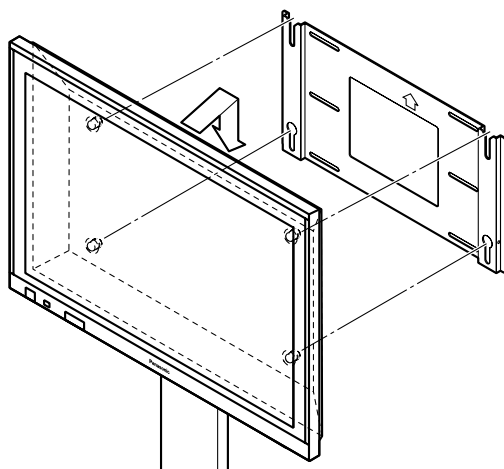
The screws and covers may be required later if the display unit is moved and mounted directly to a wall, so keep them in a safe place so that they will not get lost.

[5] Assembly screw
(M5-30) x 4

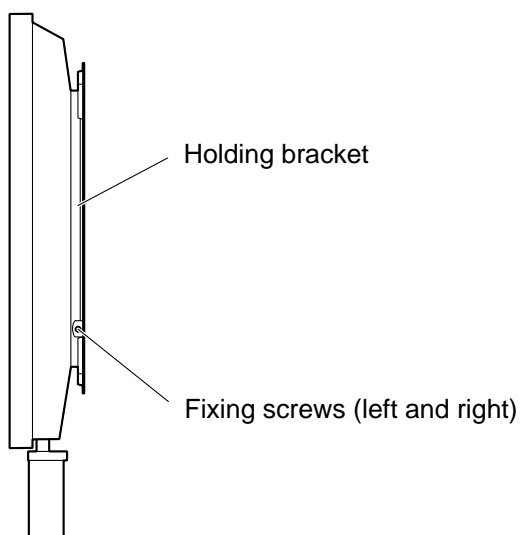


4 Fixing the display unit to the wall

- 1 Lift the display so that the upper insulating spacers at the back may fit into the notched indentation at the top of the holding bracket, and then lower the display into place.
- 2 1) Lift the display slightly and insert the lower insulating spacers at the back of the display unit into the lower cutouts in the holding bracket.
2) Lower the display into the lower notched part of the cutouts.



- 3 Insert and fasten the 3 screws at both the left and right sides.



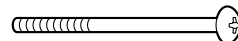
◀ Note:

Do not lift the display too high or it may come out of the notches in the upper indentations.

◀ Note:

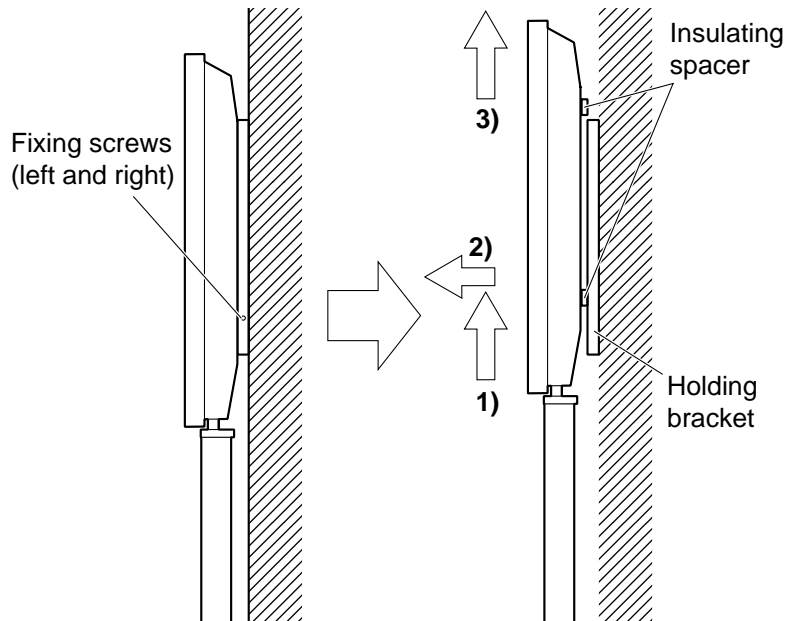
To prevent the display unit from becoming detached from the holding bracket, make sure that both the left and right fixing screws are properly fitted.

3 Fixing screw(M5)



Removing the display unit

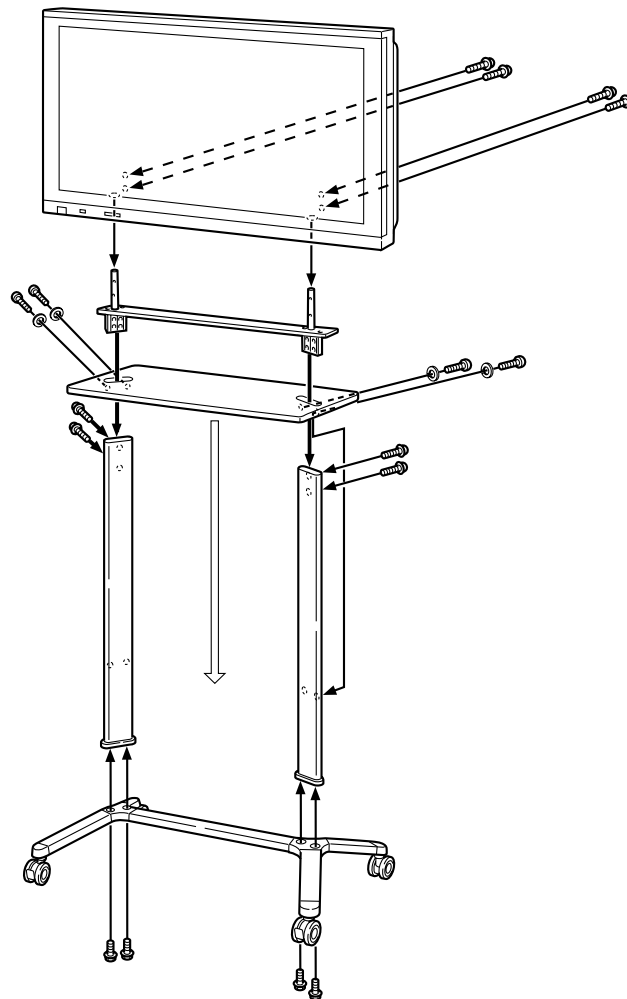
- 1** Remove the two fixing screws from the sides of the holding bracket.
- 2**
 - 1) Lift the display slightly;
 - 2) Pull the bottom half way to detach the lower insulating spacers;
 - 3) Lift the display away from the holding bracket.



Mobile stand

TY-ST42PF3

Assembly diagram



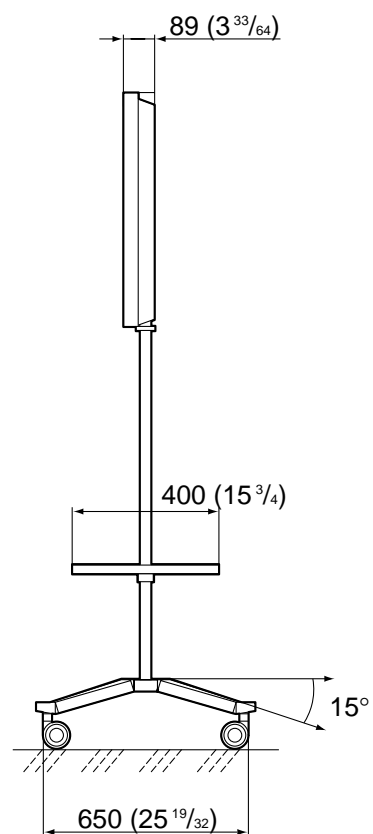
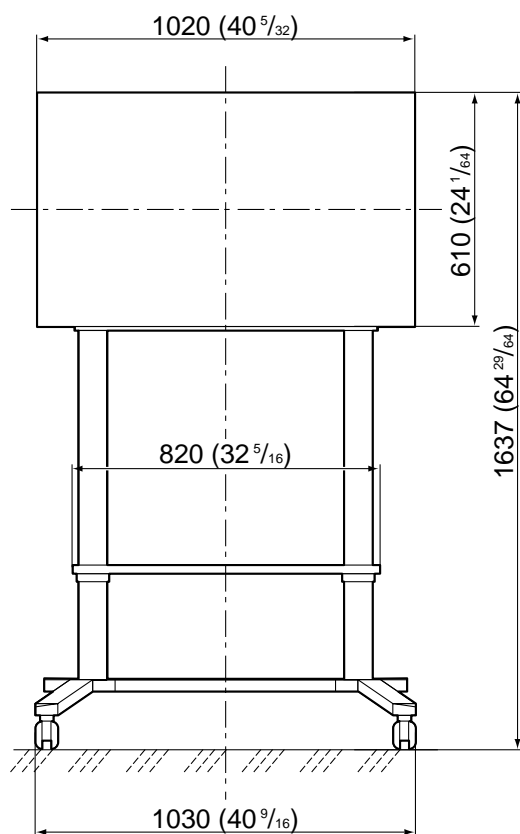
CONTENTS

Description	3-2
Instruction of the installation	3-3
1.Assembling the mobile stand	3-3
2.Fixing the display unit to the stand	3-4
3.Fixing the wiring	3-5
Removing the display unit.....	3-6

Description

Installation diagram

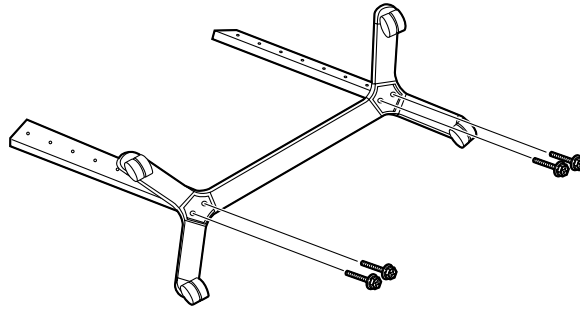
Units : mm



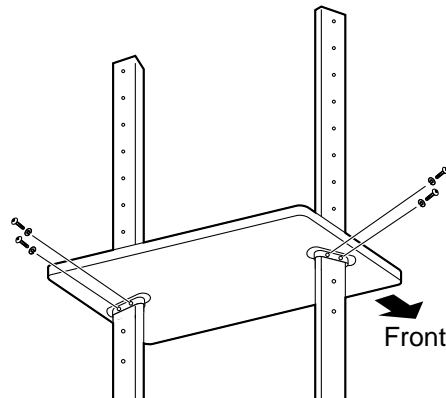
Instruction of the installation

1 Assembling the mobile stand

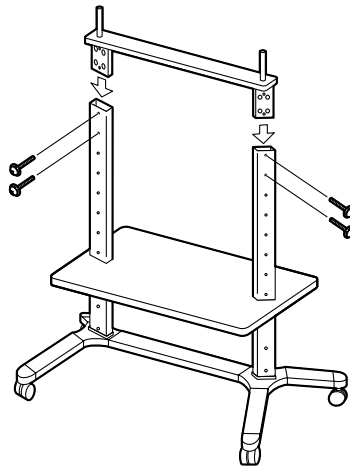
- 1 Insert the supports into the slots on the upper side of stand base, and then fix them from below using the four **6** bolts.



- 2 Slide the shelf, with the supports in the slots, down to the required height. Choose the locations of stopper holes to match the required height. Then fix the shelf using the four **7** screws and spring washers.



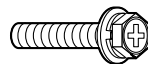
- 3 Insert the holder into the supports, and fix it with the four **8** screws.



◀ Note:

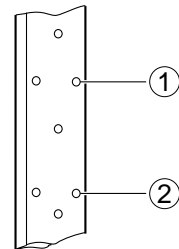
When installing the stand, provisionally fasten all bolts and screws first, and then fasten them to complete the assembly.

6 Bolt (M8)



◀ Note:

Support

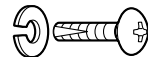


Choose the locations of the stopper holes to match the required height.

- 1) height of 500 mm
- 2) height of 350 mm

7 Assembly screw (M6-16)

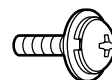
and spring washer x 4 each



◀ Note:

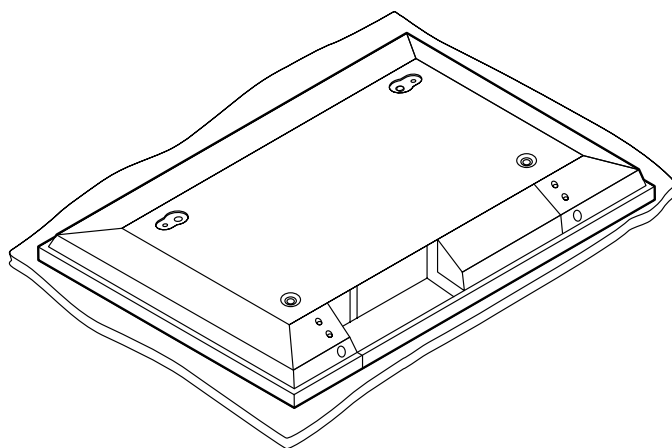
Be sure to assemble on a stable horizontal surface.

8 Assembly screw (M5-15)

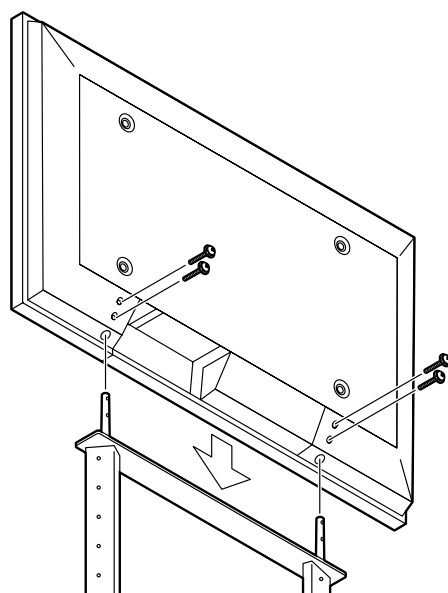


2 Fixing the display unit to the stand

- 1 1) Spread a clean cloth over a level floor or base, and place on it the display unit face down.
2) Remove the screws and covers.
Keep them in a safe place for possible future use.

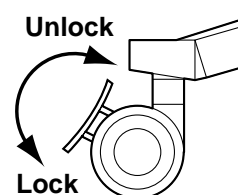


- 2 Insert the two poles at the top of the stand into the holes in the base of the display unit as shown in the illustration below.
- 3 Insert the four [9] screws, two on each side, into the holes in the back of the display unit and fasten them into the holes in the inserted poles.

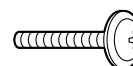


◀ Note:

Lock the casters before installing the display unit. Press down the caster switch to lock the caster.

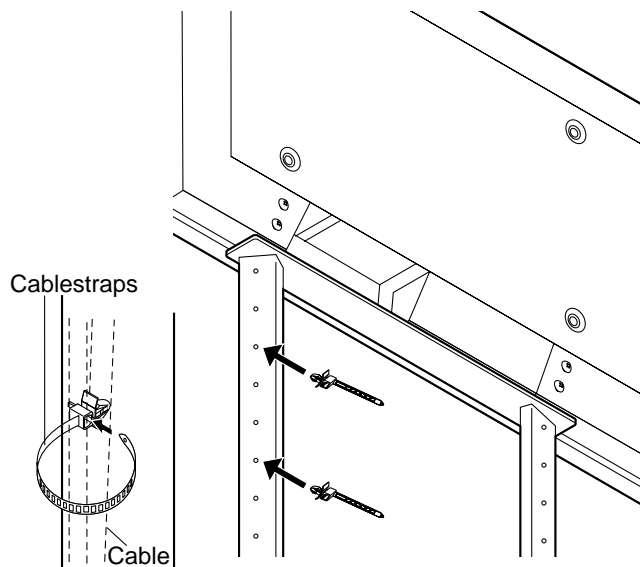


[9] Assembly screw (M5-30)

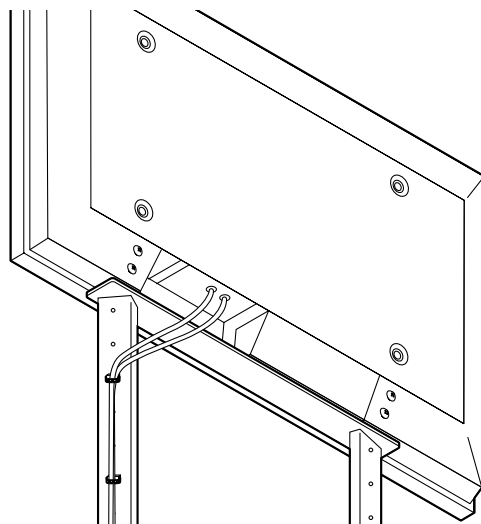


3 Fixing the wiring

- 1 Insert the accessory cable straps, evenly spaced, into the appropriate mounting holes in the rear of the support.



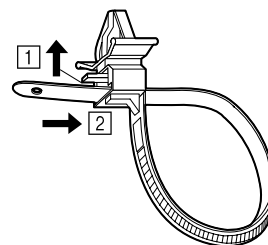
- 2 Bring together the input cables which are connected to the terminals at the bottom of the display unit and secure them with the five cable straps.



◀ Note:

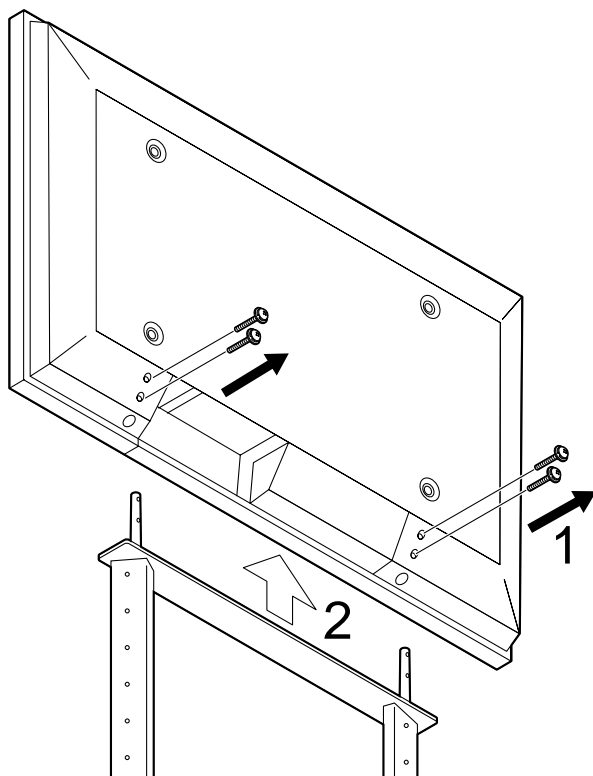
To loosen cable straps:

1. Push the strap in the direction of the arrow in the diagram; and
2. Loosen the cable strap by passing it through the cramping hole.



Removing the display unit

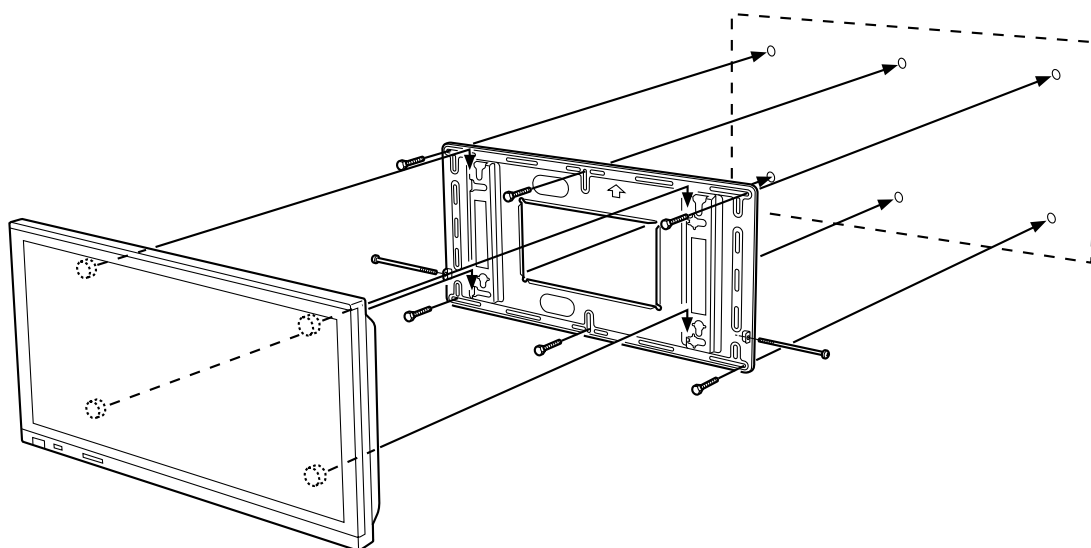
- 1** Loosen and remove the four screws from the display unit.
- 2** Lift the display unit away from the stand.



Wall-hanging bracket (vertical)

TY-WK42PV1

Assembly diagram



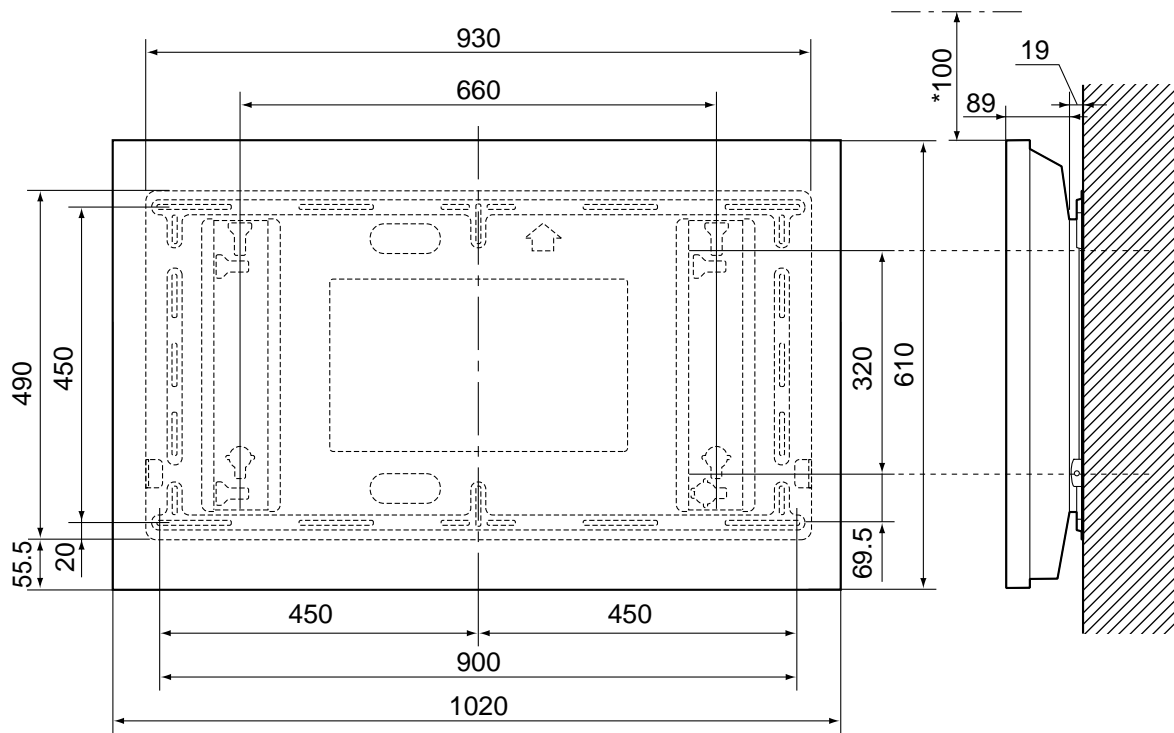
CONTENTS

Description	4-2
Instruction of the installation	4-4
1. Fixing the wall-hanging bracket to the wall	4-4
2. Fixing the insulating spacers to the display unit	4-5
3. Attaching the display unit to the wall-hanging bracket	4-6
Removing the display unit	4-7
Warning	4-8

Description

Installation diagram

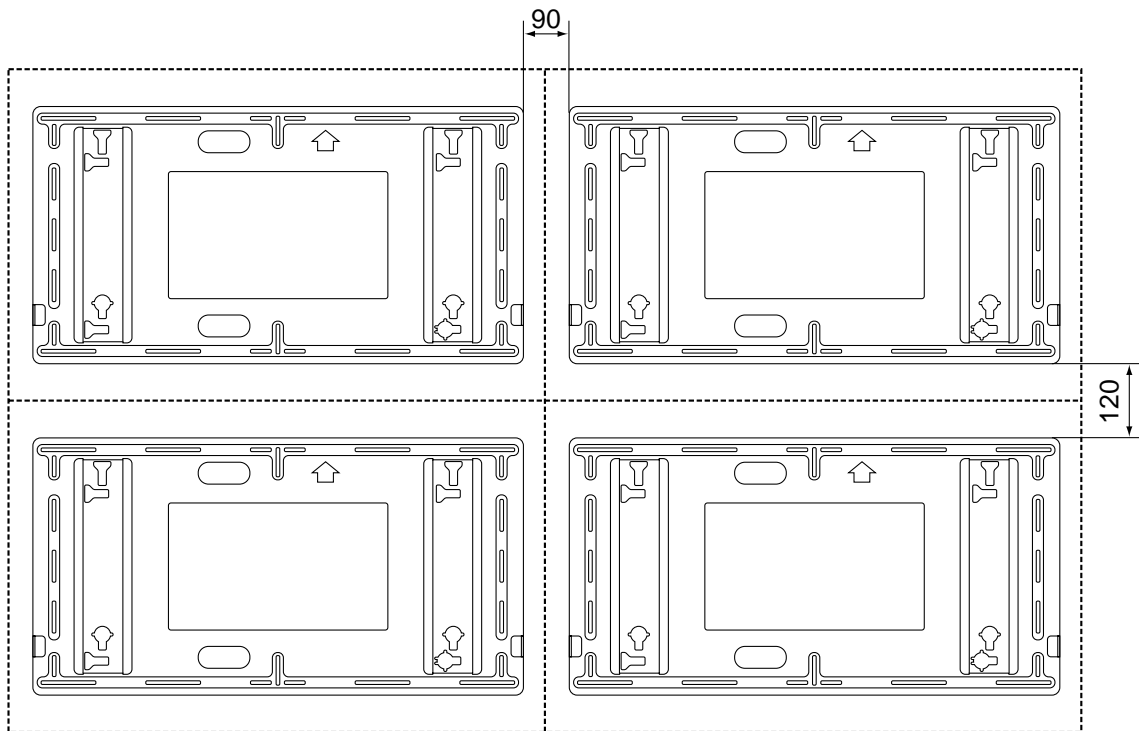
Units : mm



* A clearance of at least 100mm at the top of the display unit should be provided.

Installation diagram For Multi Screen

Units : mm



* Installe lower panel unit first.

Instruction of the installation

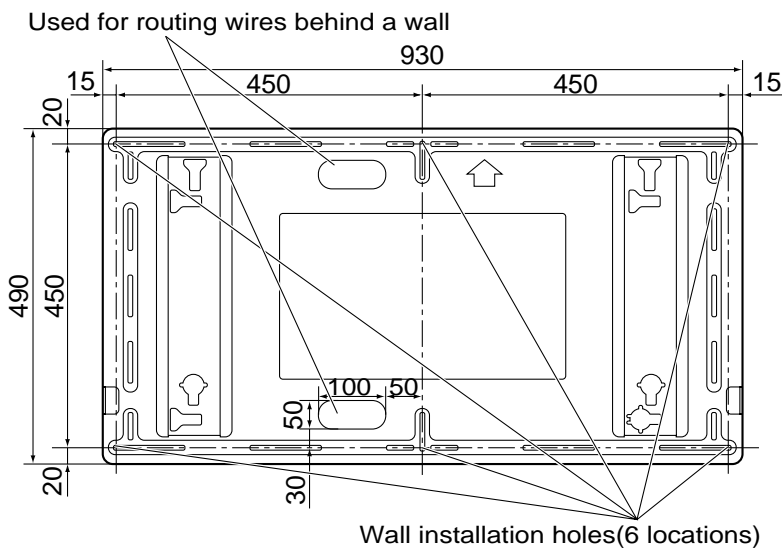
1 Fixing the wall-hanging bracket to the wall

1 Check the strength of the installation location

The wall-hanging bracket weighs approximately 6kg, and the display unit by itself weighs 33kg. Refer to the wall-hanging bracket installation dimensions in the diagram below to, check the strength of the wall in six installation locations, and add reinforcement if any of these locations are not strong enough.

- 1) Select an installation site with an area of at least 1,500 mm wide by 800 mm high. Refer to the figure to make a positioning mark for the location of the center-top hole.
- 2) Measure and mark the locations 450 mm to the left and 450 mm horizontally to the right of the location you marked in 1).
- 3) Measure and mark the locations 450 mm below each of the marked location.

Units : mm



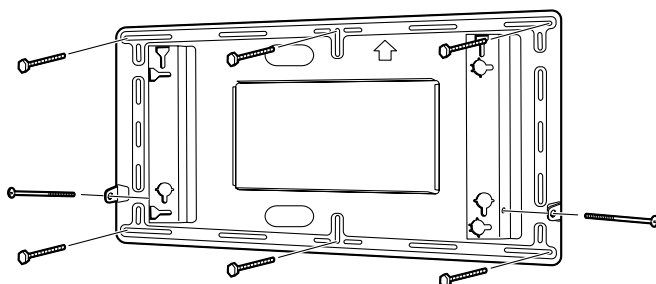
◀ Note:

The wall-hanging bracket has installation holes provided at 24 locations.

If the wall material does not allow sufficient strength by using six installation holes, use some of the spare holes.

However, depending on the construction material used at the place of installation, cracks may develop if the screws are inserted too close to each other.

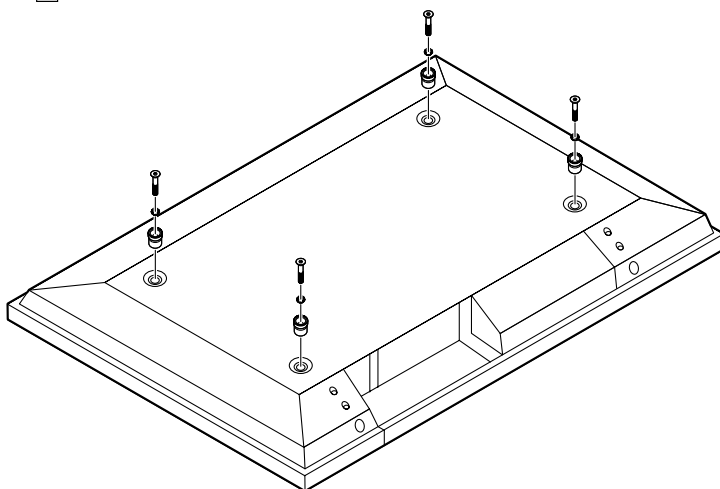
- 2** Insert and fasten a M6 screw bolt into the center-top hole.
- 3** Use a level gauge to correct the alignment of the wall-hanging bracket, and screw bolts into the remaining five holes.



- 4** Provisionally tighten the fixing screws.

2 Fixing the insulating spacers to the display unit

- 1** Spread a clean cloth over a level floor or base, and place on it the display unit face down.
Remove the four screws from the display.
- 2** Use the accessory tool "Allen key" to install the four accessory [3], [4] and [5] into the holes.



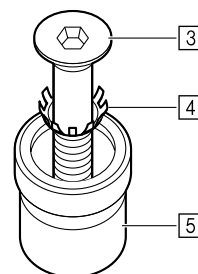
◀ **Note:**

If required, use commercially available M6 bolts which suit the wall materials.

If the Screws protrude more than 5 mm, it will not be possible to install the Wide Plasma Display in the correct position.

◀ **Note:**

Place the display unit face down on top of a cloth clean and free from other foreign particles, and then proceed to the next step.

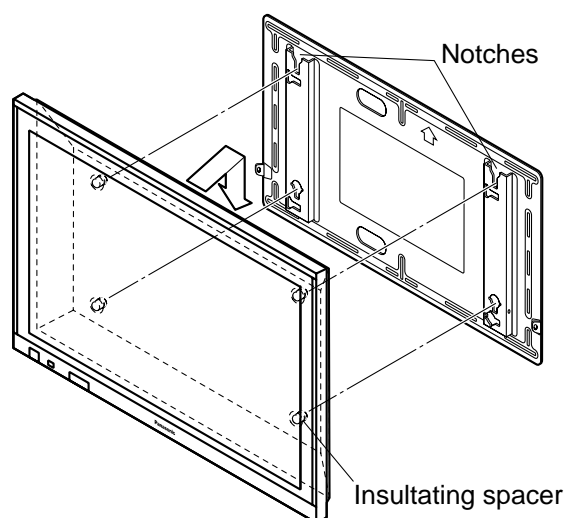


- [3] Pan head bolt with hex socket
- [4] Toothed pan washer
- [5] Insulating spacer

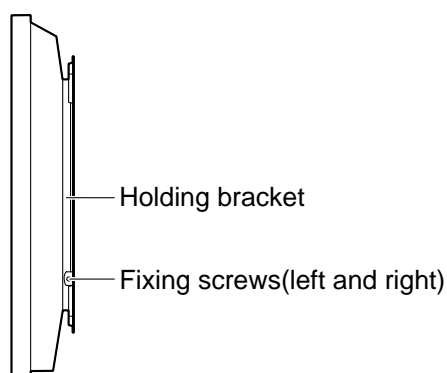
3

Attaching the display unit to the wall-hanging bracket

- 1 Lift the display unit so that the upper insulating spacers at the back may fit into the notched indentation at the top of the wall-hanging bracket, and then lower the display unit into place.
- 2 1) Lift the display unit slightly and insert the lower insulating spacers at the back of the display unit into the lower cutouts in the wall-hanging bracket.
2) Lower the display unit into the lower notched part of the cutouts.



- 3 Insert and fasten the [2] screws at both the left and right sides.



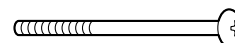
◀ Note:

Do not lift the display too high or it may come out of the notches in the upper indentations.

◀ Note:

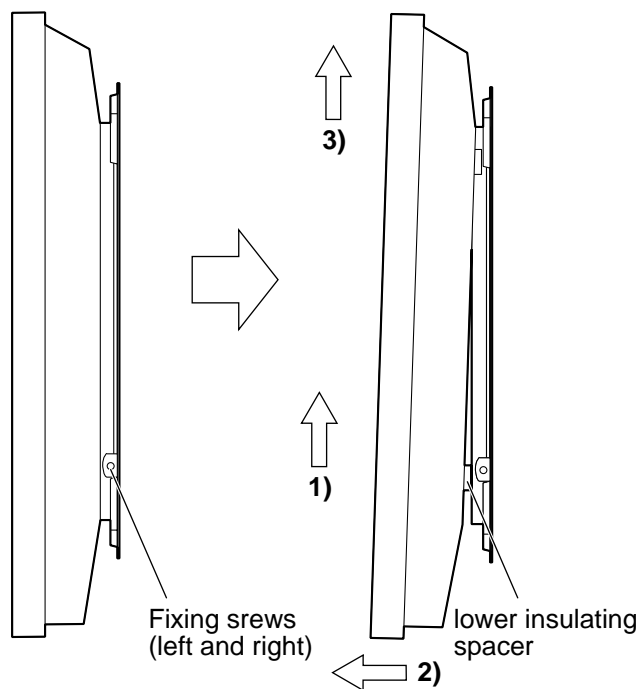
To prevent the display unit from becoming detached from the wall-hanging bracket, make sure that both the left and right fixing screws are properly fitted.

[2] Fixing screw(M5)



Removing the display unit

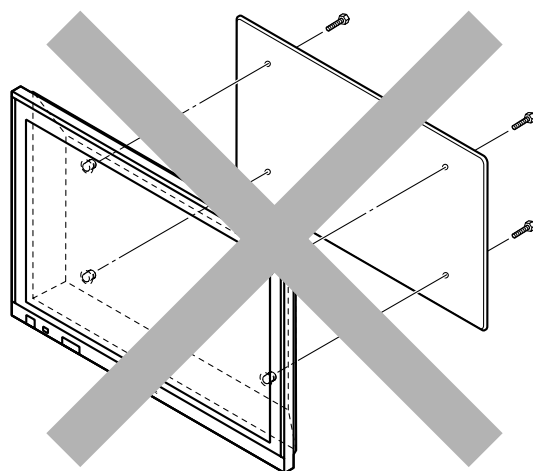
- 1** Remove the two fixing screws from the sides of the wall-hanging bracket.
- 2**
 - 1) Lift the display slightly;
 - 2) At the same time, pull the bottom half way to detach the lower insulating spacers;
 - 3) Lift the display away from the wall-hanging bracket.



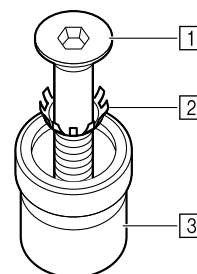
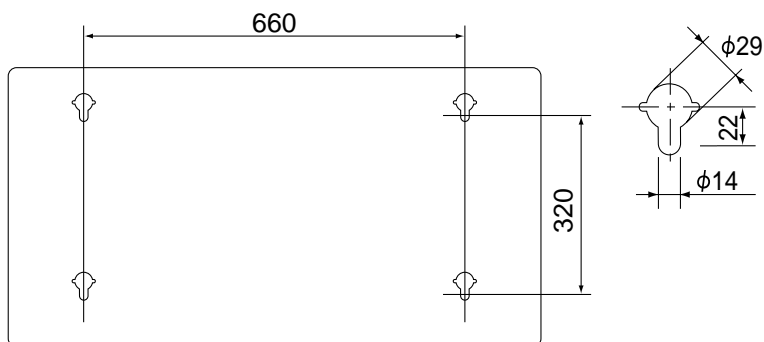
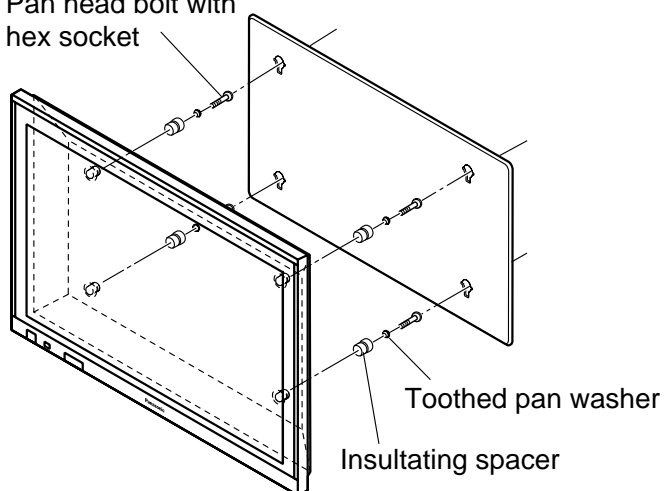
Warning

IF UN OFFICIAL BRACKET IS USED.

Do not fix. The display unit with un official bracket by bolts directly, the display unit may damage and possibly electrical interfalnce for other electronics equipment.



Pan head bolt with
hex socket

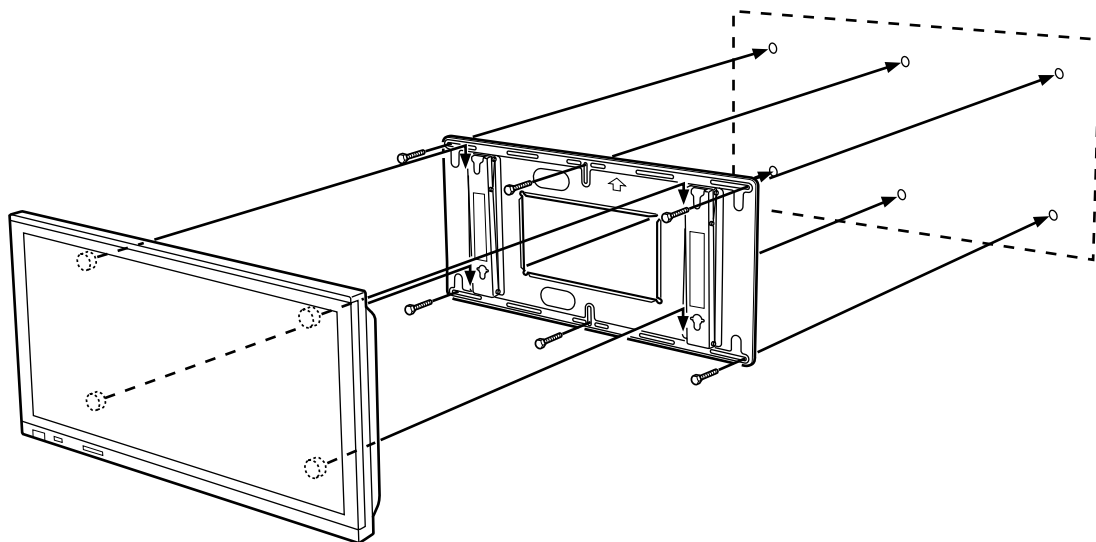


- 1 Pan head bolt with
hex socket
- 2 Toothed pan washer
- 3 Insulating spacer

Wall-hanging bracket (angled)

TY-WK42PR1

Assembly diagram



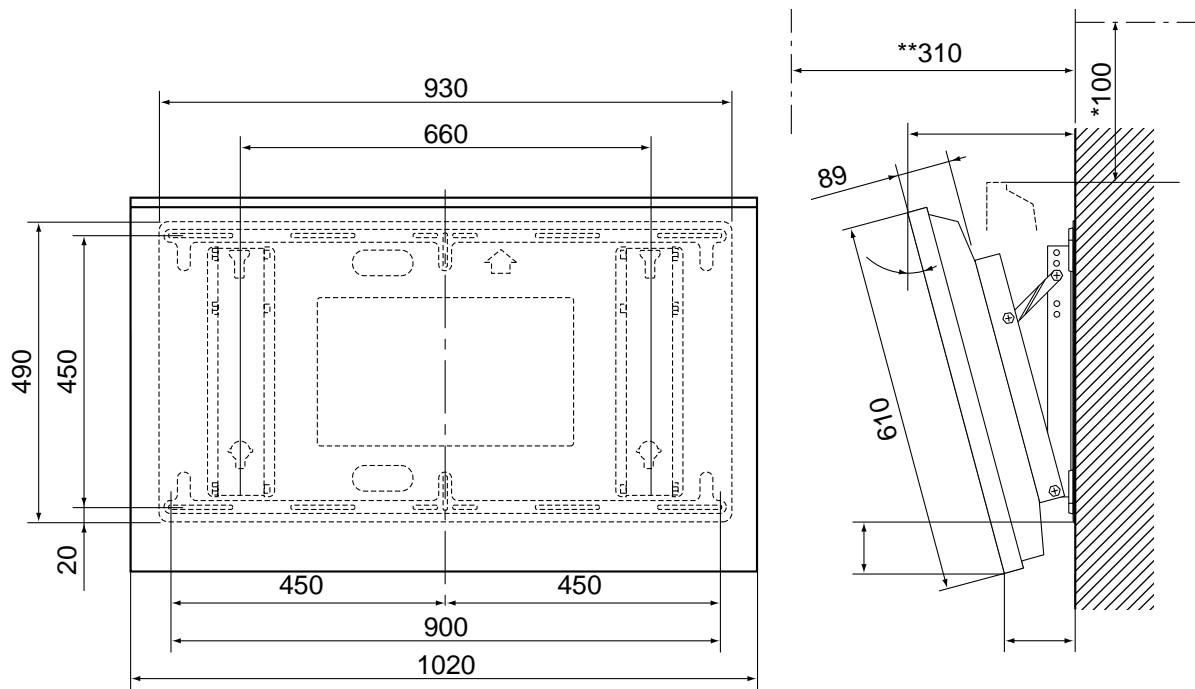
CONTENTS

Description	5-2
Instruction of the installation	5-3
1.Fixing the wall-hanging bracket to the wall	5-3
2.Adjusting the angle of the display fitting	5-4
3.Fixing the insulating spacers to the display unit	5-5
4.Attaching the display unit to the wall-hanging bracket	5-6
Removing the display unit	5-7

Description

Installation diagram

Units : mm



* A clearance of at least 100mm at the top of the display unit should be provided.

** Installation of the wall-hanging bracket requires a depth of 310 mm.

Instruction of the installation

1 Fixing the wall-hanging bracket to the wall

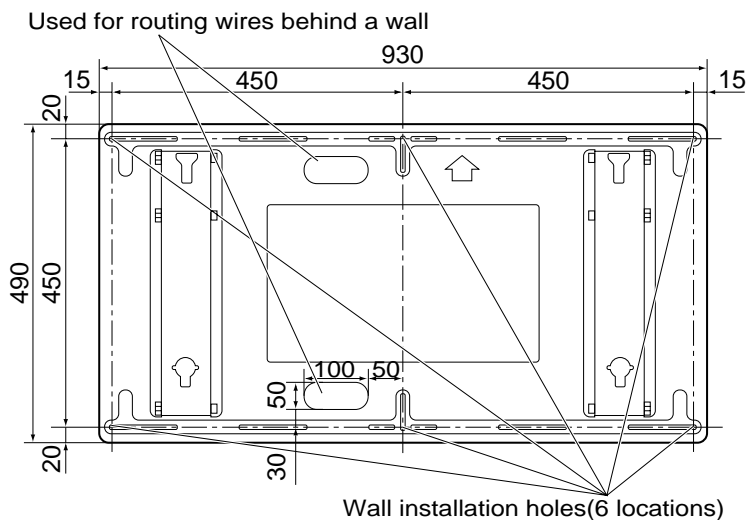
1 Check the strength of the installation location

The wall-hanging bracket weighs approximately 6kg, and the wide plasma display unit by itself weighs 33kg. Refer to the wall-hanging bracket installation dimensions in the diagram below to check the strength of the wall in six installation locations, and add reinforcement if any of these locations are not strong enough.

Further installation of the wall-hanging bracket requires a depth of 310 mm.

- 1) Select an installation site with an area of at least 1,500 mm wide by 800 mm high. Referring to the figure, make a positioning mark for the location of the center-top hole;
- 2) Measure and mark the locations 450 mm to the left and 450 mm horizontally to the right of the location you marked in 1);
- 3) Measure and mark the locations 450 mm below each of the marked location.

Units : mm



2 Insert and fasten a M6 screw bolt into the center-top hole.

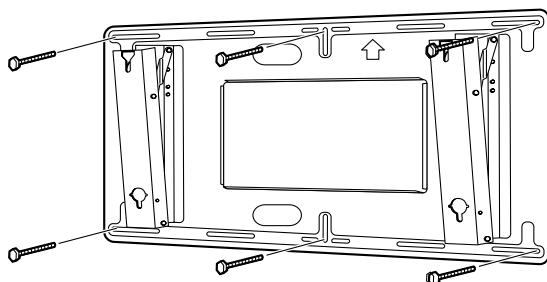
◀ Note:

The wall-hanging bracket has installation holes provided at 14 locations. If the wall material does not allow sufficient strength by using six installation holes, use some of the spare holes. However, depending on the construction material at used at the place of installation, cracks may develop if screws are inserted too close to each other.

◀ Note:

If required, use commercially available M6 bolts which suit the wall materials.

- 3 Use a level gauge to correct the alignment of the wall-hanging bracket, and screw bolts into the remaining five holes.



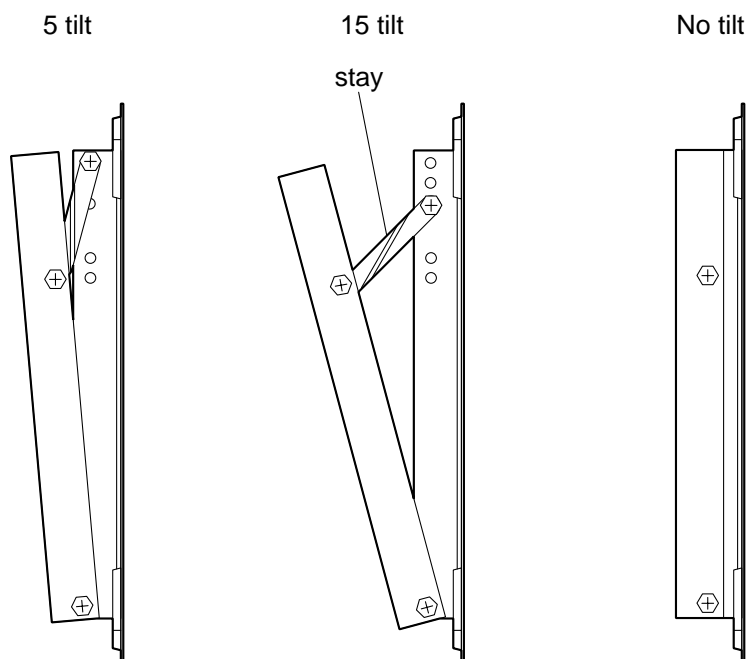
- 4 Provisionally tighten the fixing screws.

After determining the positions and checking them against the bracket, embed M6 bolts or nuts. Furthermore, when embedding the bolts, ensure that the bolts protrude from the wall by 10 to 15 mm.

2 Adjusting the angle of the display fitting

The angle of the display fitting can be adjusted to one of the five positions ranging from vertical to 20 tilt in 5 steps.

At the time of shipment, the angle of tilt is set to 5 from vertical. To change this angle, adjust the position of the stay.



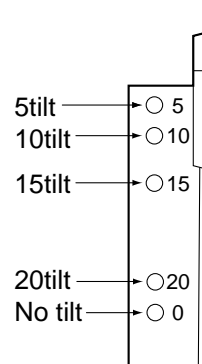
◀ Note:

If the screws protrude more than 5 mm, it will not be possible to install the Wide Plasma Display in the correct position.

◀ Note:

The stay is not needed if the display unit is to be fixed vertically.

Angle adjustment positions

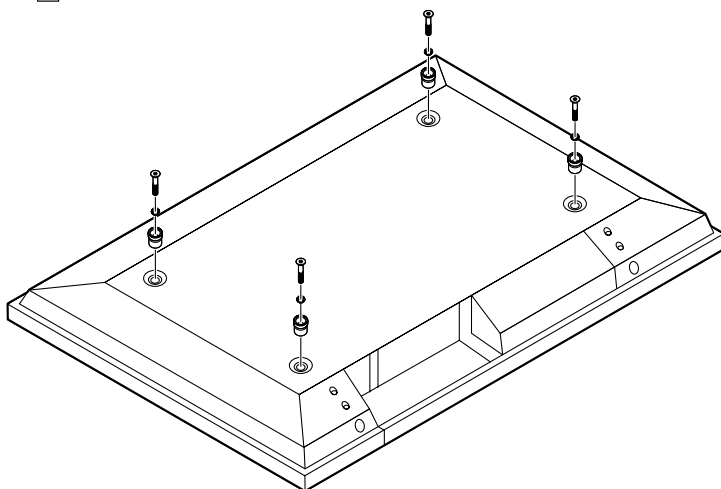


3 Fixing the insulating spacers to the display unit

- 1 Spread a clean cloth over a level floor or base, and place on it the display unit face down.

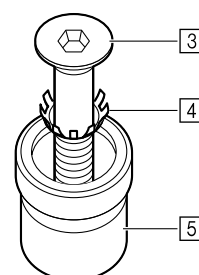
Remove the four screws from the display.

- 2 Use the accessory tool "Allen key" to install the four accessory 3, 4 and 5 into the holes.



◀ Note:

Place the display unit face down on top of a cloth clean and free from otherforegin particles, and then proceed to the next step.



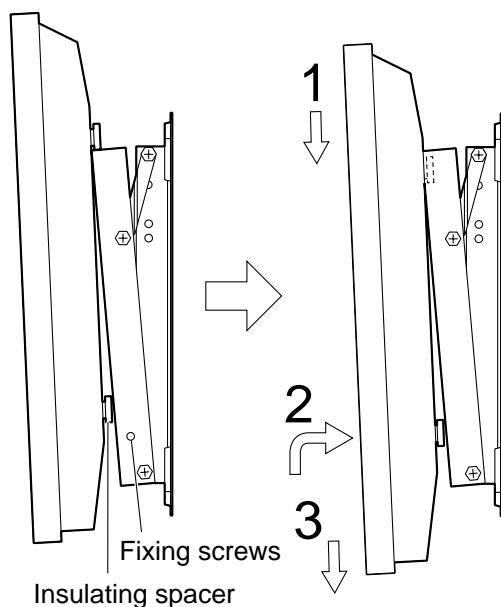
3 Pan head bolt with hex socket

4 Toothed pan washer

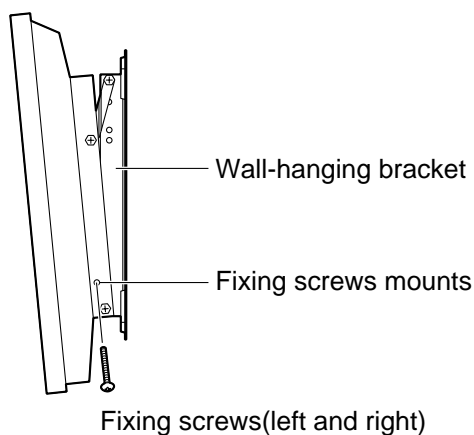
5 Insulating spacer

4 Attaching the display unit to the wall-hanging bracket

- 1 Lift the display unit so that the upper insulating spacers at the back may fit into the notched indentation at the top of the wall-hanging bracket, and then lower the display unit into place.
- 2 After that, lift the display unit slightly and insert the lower insulating spacers at the back of the display unit into the lower cutouts in the wall-hanging bracket.
- 3 Then lower the display unit into the lower notched part of the cutouts.



- 4 Insert and fasten the [2] screws at both the left and right sides.



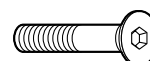
◀ Note:

Do not lift the display too high or it may come out of the notches in the upper indentations.

◀ Note:

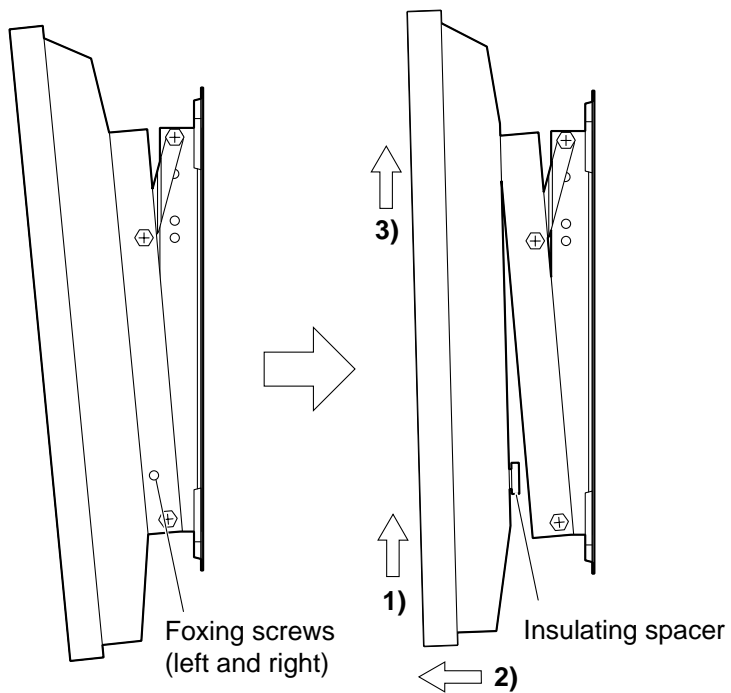
To prevent the display unit from becoming detached from the wall-hanging bracket, make sure that the left and right fixing screws are properly fitted.

[2] Fixing screw (M5-35)



Removing the display unit

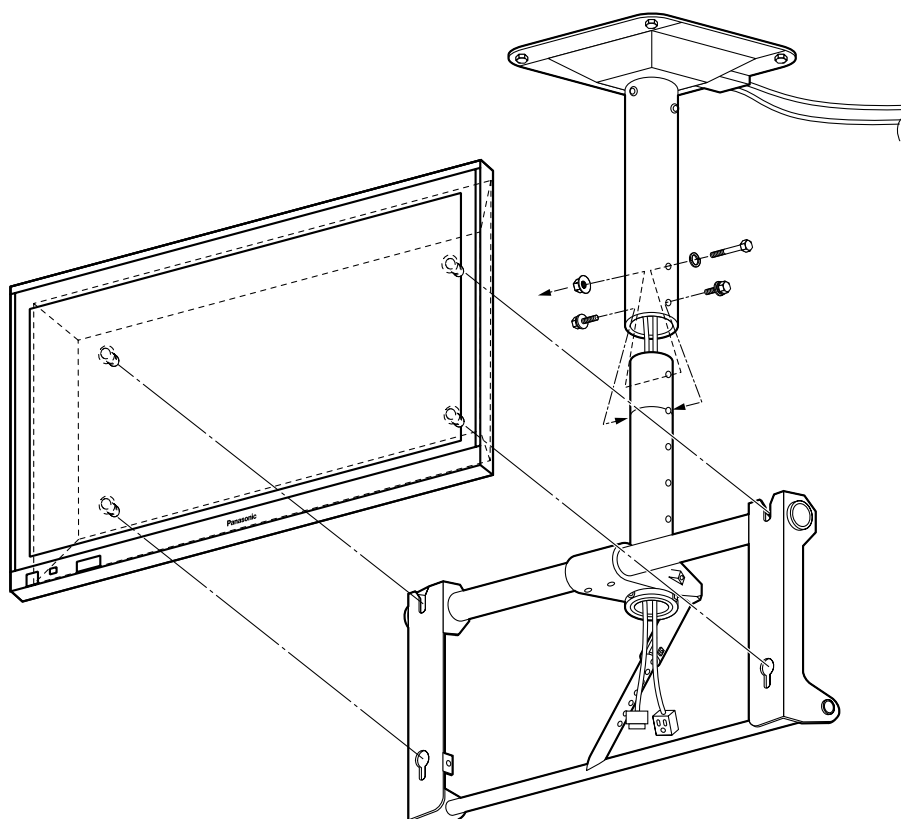
- 1** Remove the two fixing screws from the sides of the wall-hanging bracket.
- 2**
 - 1) Lift the display unit slightly;
 - 2) At the same time, pull the bottom half way to detach the lower insulating spacers;
 - 3) Lift the display away from the wall-hanging bracket.



Celing unit

TY-CE42PS1

Assembly diagram



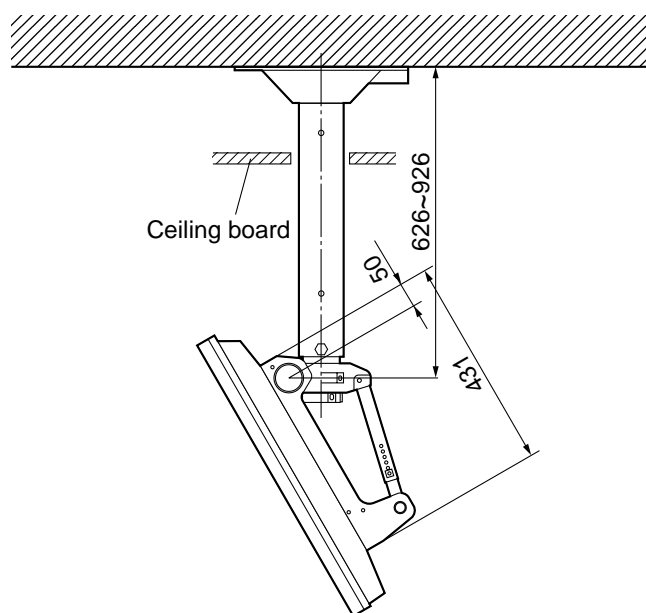
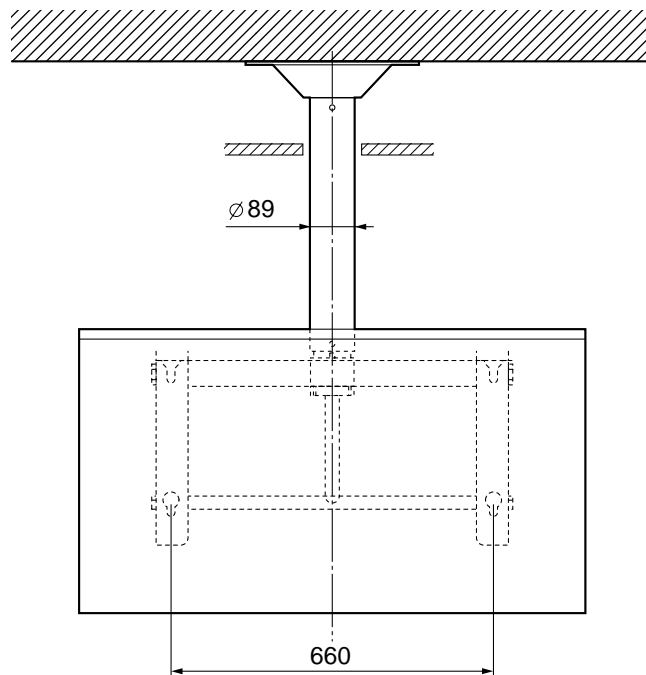
CONTENTS

Description	6-2
Instruction of the installation	6-3
1.Assembling the ceiling unit	6-3
2.Prepare the ceiling unit.....	6-4
3.Prepare the display	6-6
4.Mount the display in the ceiling unit	6-7
Removing the display unit.....	6-8

Description

Installation diagram

Units : mm (in.)



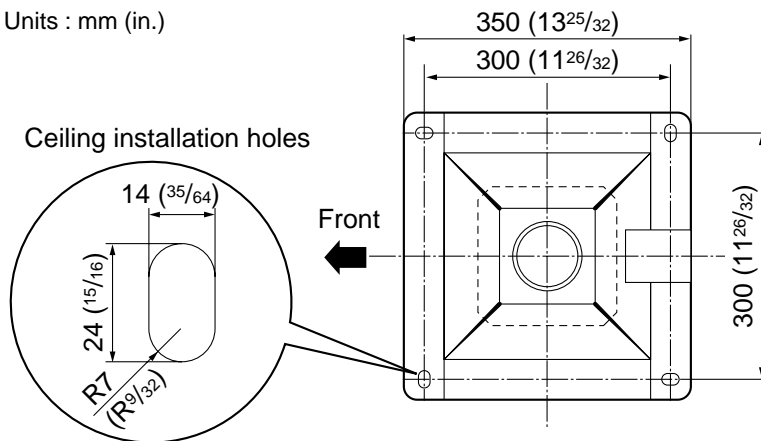
Instruction of the installation

1 Assembling the ceiling unit

1 Check the strength of the installation location.

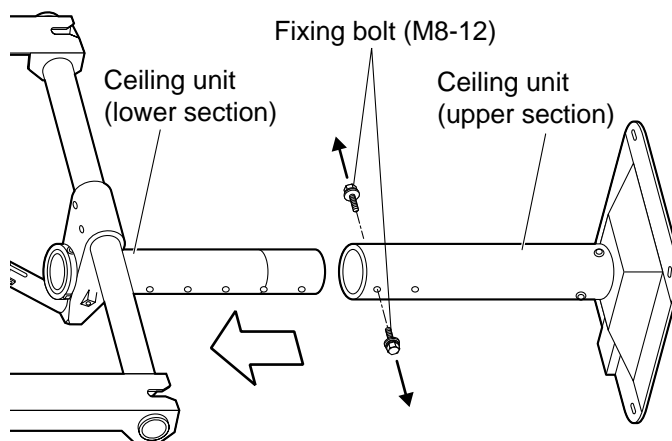
This ceiling unit weighs approx. 19kg (41.9lbs). The display weighs approx. 33kg (72.8lbs) to 45kg (99.2lbs). Refer to the diagram on the right and confirm that the four points for mounting the ceiling unit and display are capable of bearing this weight. If the installation location is not strong enough to bear this weight, reinforce the ceiling before the ceiling unit and display are installed.

Units : mm (in.)



2 Prepare the ceiling unit.

Remove the two Fixing bolts (M8-12) from the ceiling unit and separate the upper and lower sections of the unit.



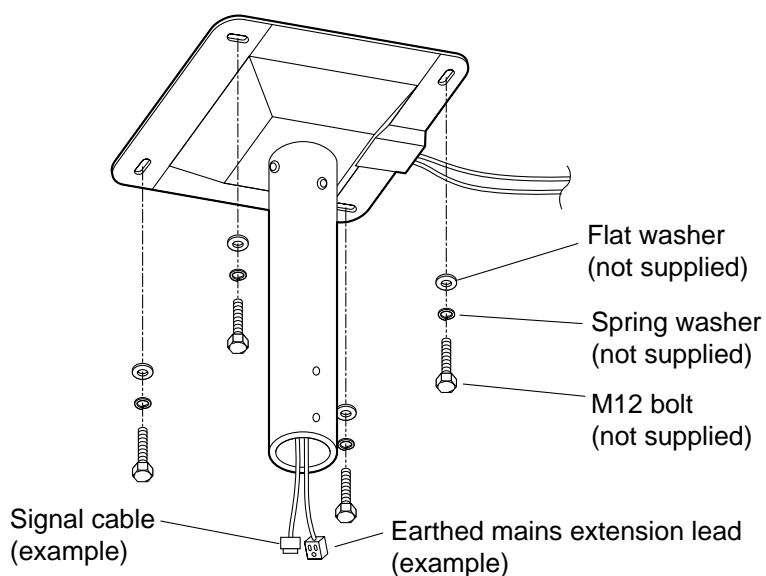
9 Fixing bolt (M8-12) x 2



2 Installation the ceiling unit.

1 Attach the ceiling unit (upper section)

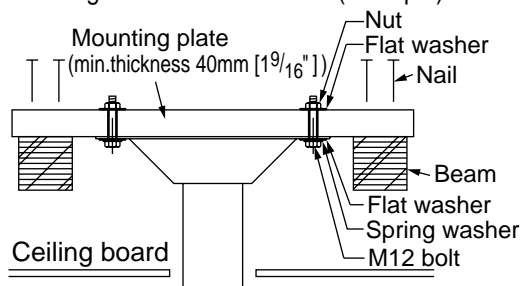
- 1) Before installing the upper section, pull the wiring through the pipe. Use an earthed mains extension lead (not supplied).
- 2) Make holes in the ceiling using a method appropriate for the ceiling structure and for inserting M12mm bolts. Install the upper section using a hex socket bolt (M12 not supplied), flat washer and spring washer.



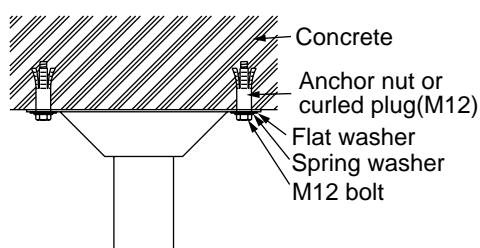
▼ Note:

- Reinforce the ceiling if it is not strong enough.
- Use bolts appropriate for the ceiling material (not supplied).
- Refer to the installing examples for wooden structure and concrete structure.

● Installing to a wooden structure(example)

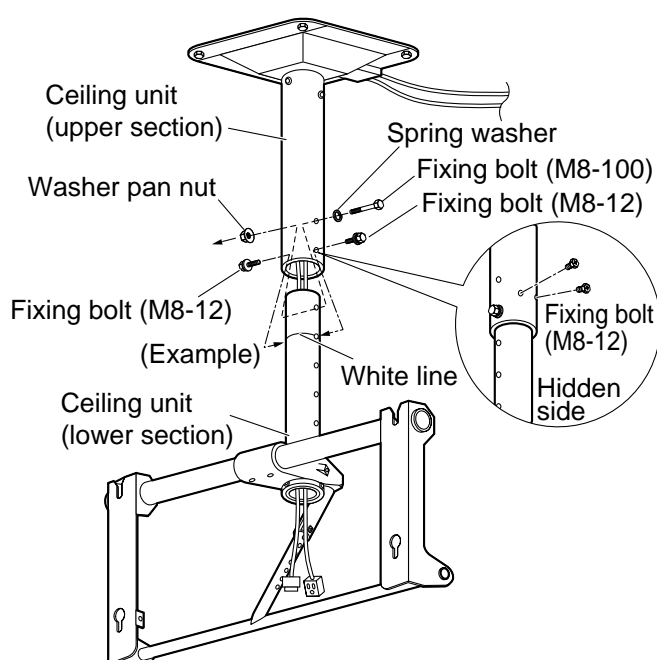


● Installing to a concrete structure(example)

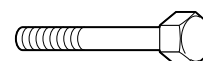


2 Attach the ceiling unit (lower section)

- 1) Match the height adjustment holes on the upper and lower sections to the desired height and refasten in place with two M8 assembly screws.
- 2) Insert the fixing bolt (M8-100) through the spring washer and then insert it through the uppermost hole in the pipe. Fasten in place with the washer pan nut (all included).
- 3) Tighten with two fixing bolts (M8-12, included) so that the lower section does not move.



6 Fixing bolt (M8-100)



7 Spring washer



8 Washer pan nut (M8)

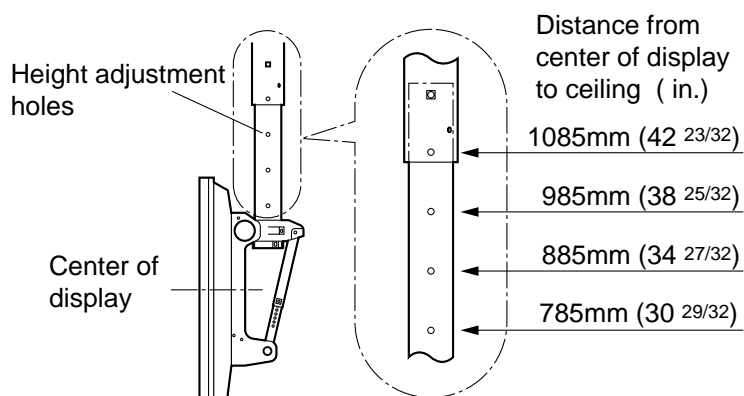


9 Fixing bolt (M8-12) x 2



▼ Note:

When adjusting the height, no more than 4 holes should be visible. (The white line should not show.)



3 Prepare the display.

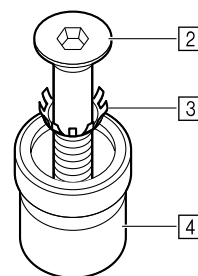
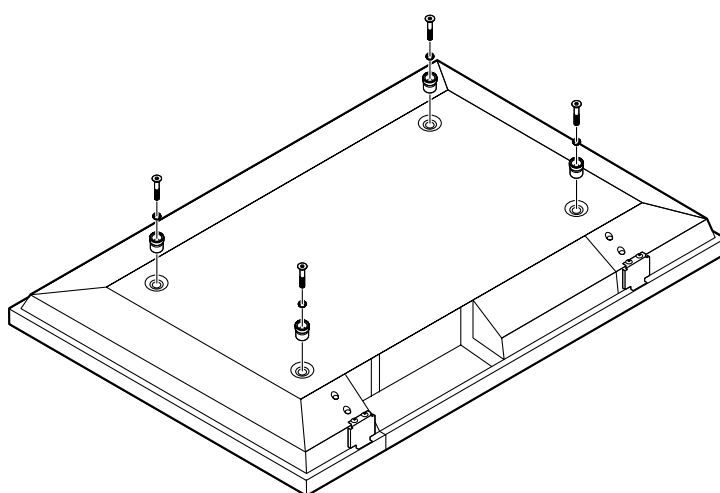
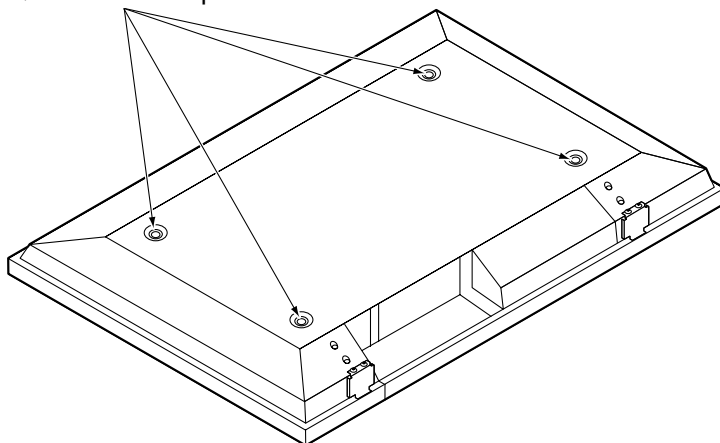
1 Install the insulating spacers in the display unit.

Lay the display with the screen facing down on a clean blanket or sheet and follow the steps below.

1) Remove the four bolts from the display.

2) In each of the four bolt holes, insert a pan head bolt with hex socket (M8-45), toothed pan washer and insulating spacer (four each, all included). Insert as shown in the diagram on the left.

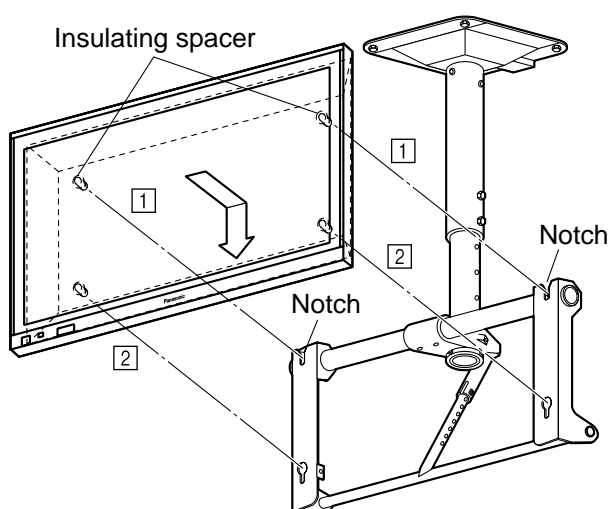
Quite los cuatro pernos.



- 2 Pan head bolt with hex socket
- 3 Toothed pan washer
- 4 Insulating spacer

4 Mount the display in the ceiling unit.

- 1 Hook the display's top insulating spacers in the ceiling unit by aligning the display with the notches in the ceiling unit and sliding the display downward.
- 2 Insert the bottom insulating spacers by lifting the display slightly, fitting the bottom spacers into the holes, and then lowering the display.

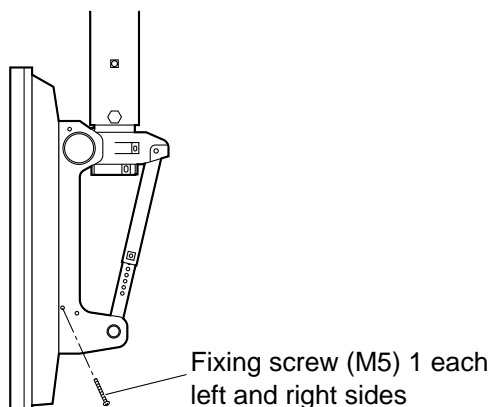


Caution:

Do not lift the display too high. It may come unhooked from the unit.

3 Fix the display.

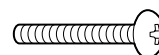
Install two fixing screws (M5, included) in the corresponding holes on the ceiling unit (left and right).



◀ Note:

When mounting the display in the ceiling unit, be sure the ceiling unit is straight and not at an angle.

10 Fixing screw (M5) x 2

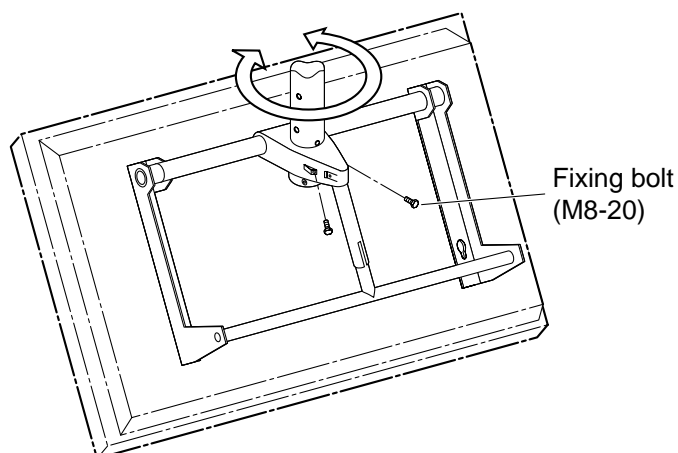


◀ Note:

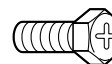
Install the fixing screws on the left and right to prevent the display from sliding out of the ceiling unit.

4 Adjust the ceiling unit's direction.

Adjust the angle of the display and fix in place with two fixing bolts (M8-20, included).



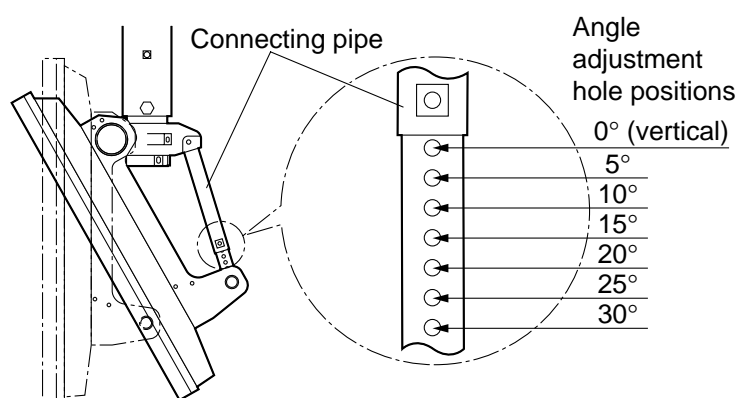
11 Fixing bolt (M8-20) x 2



5 Adjust the ceiling unit's angle.

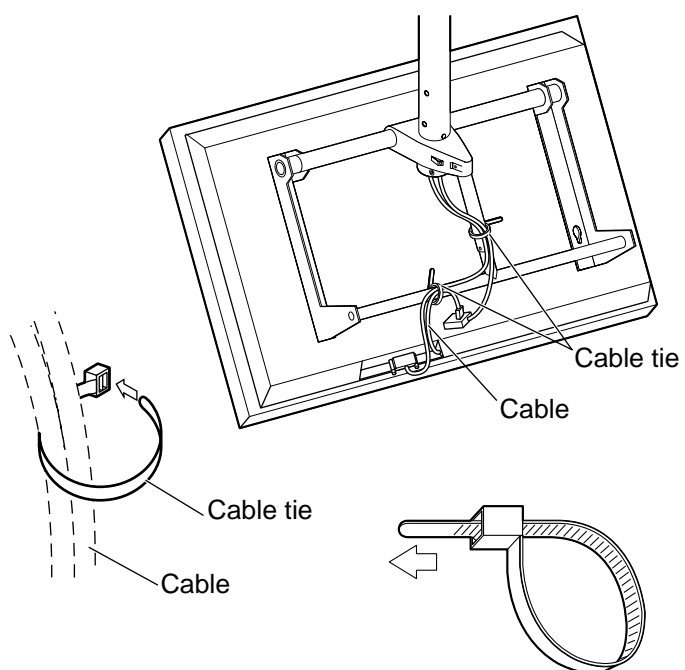
This ceiling unit can be placed in 7 angles from 0° to 30° in 5° increments. The factory setting is 0°.

If you wish to change the angle, remove the angle adjustment screws from the connecting pipe and adjust the angle adjustment holes to the desired position. Then reinsert the screws.



6 Gather the cables.

Gather the cables connected to the terminals on the back of the display and fix in place with a cable tie.

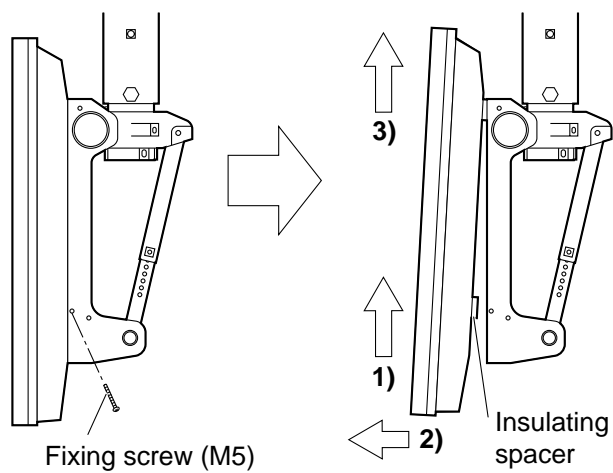


12 Cable tie x 2



Removing the display unit

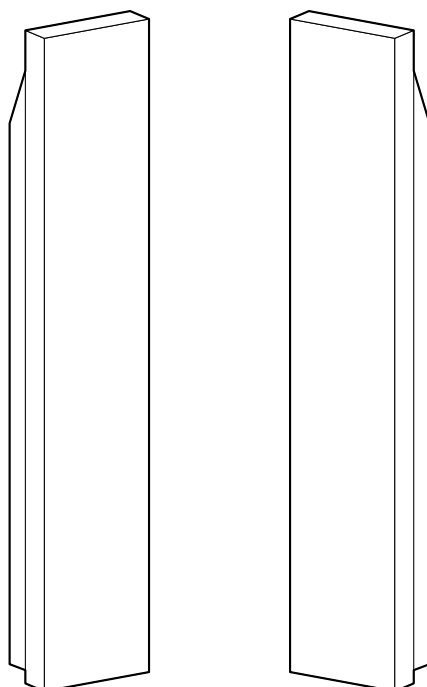
- 1** Remove the two fixing screws (M5) at the left and right sides of the ceiling unit.
- 2**
 - 1) Lift the lower part of the display,
 - 2) pull outward
 - 3) and lift upward.



Speakers

TY-SP42PM3W
TY-SP42PWD3W

Assembly diagram



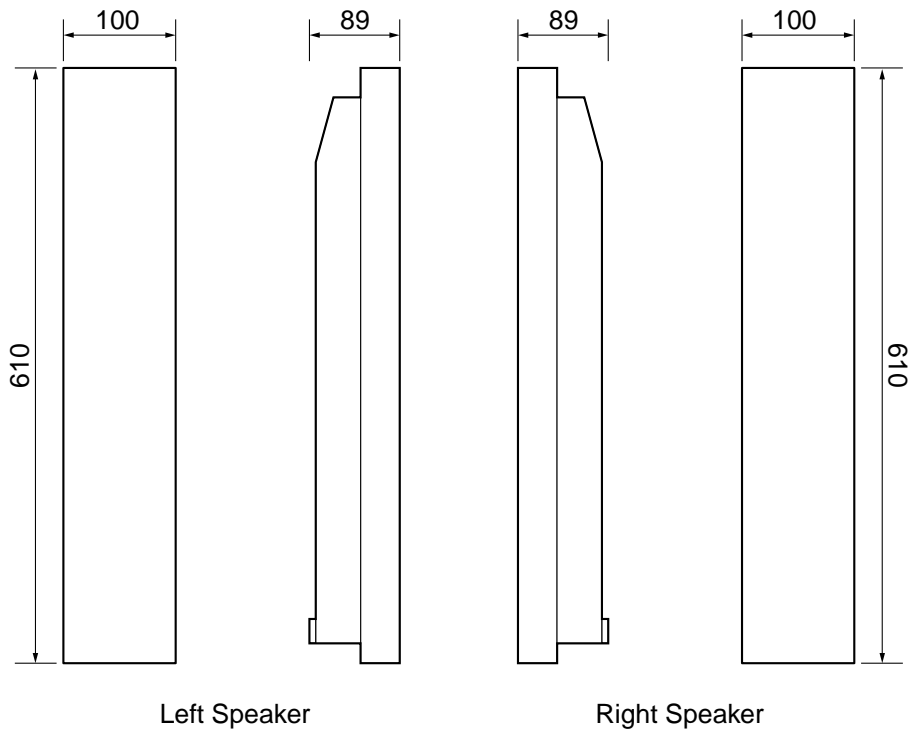
CONTENTS

Description	7-2
Safety Precautions	7-2
Instruction of the installation	7-3
1.Attach the sponges to the speakers	7-3
2.Attach the mounting brackets to the speakers	7-3
3.Attach the speakers to the Wide Plasma Display	7-4
4.Secure the speakers in place	7-4
5.Connect the speaker cables	7-5

Description

Installation diagram

Units : mm (in.)



Safety Precautions

Caution:

Do not suspend the speakers.

Personal injury may result if the speakers fall down. Take particular care to ensure the safety of children.

These speakers are for use with the Wide Plasma Display only.

If connecting them to some other amplifier, make sure that the maximum input to the speakers is within the rated level (8 W). If the rated input level is exceeded, fire may result.

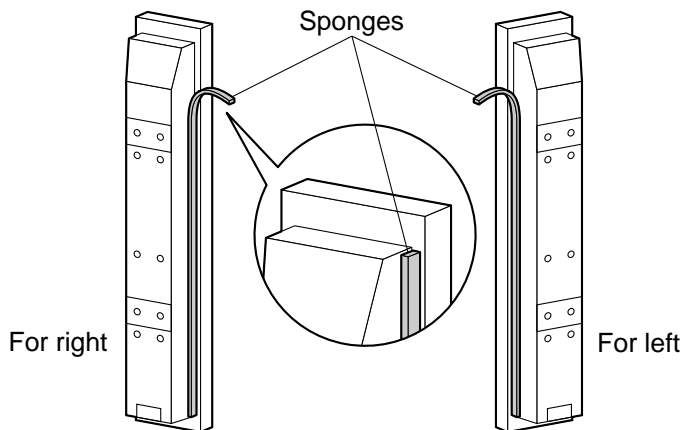
Make sure that all screws are tightened securely during installation.

Ensure that the installation is carried out properly to prevent the speakers from becoming detached, and causing possible personal injury.

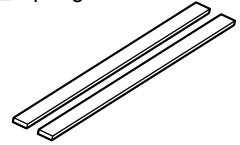
Instruction of the installation

1 Attach the sponges to the speakers.

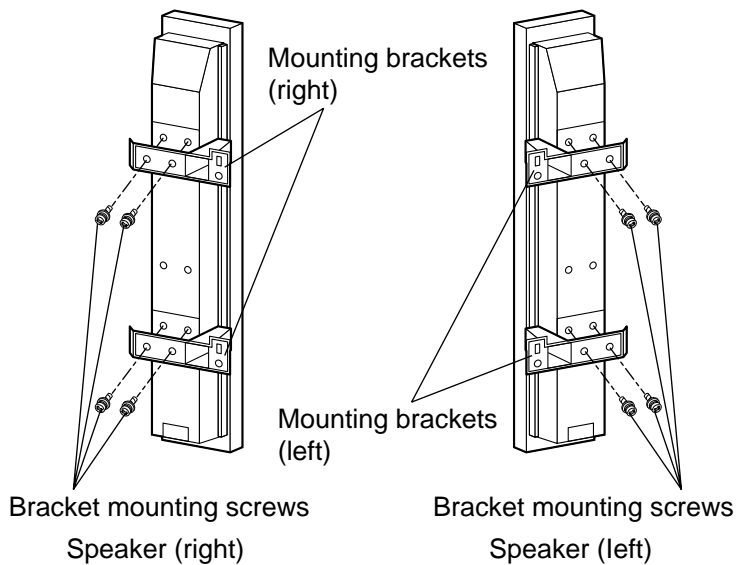
- Attach the sponges to the surfaces which are in contact with the Display.
- Clean the surfaces before attaching the sponges.



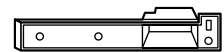
5 Sponge x 2



2 Attach the mounting brackets to the speakers.



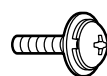
2 Mounting bracket (right) x 2



3 Mounting bracket (left) x 2



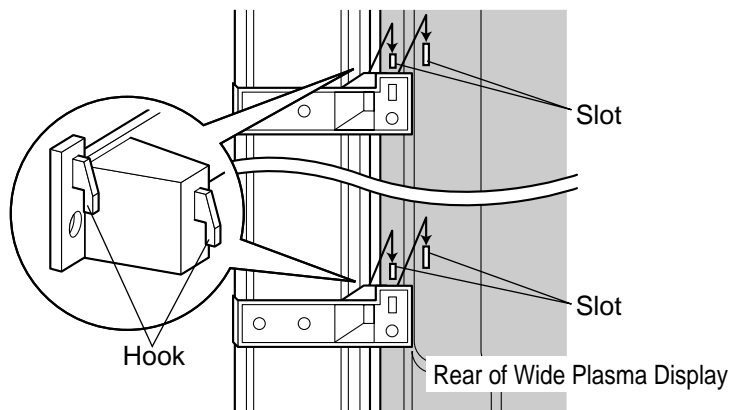
4 Bracket mounting Assembly screw (M4-10) x 8



3

Attach the speakers to the Wide Plasma Display.

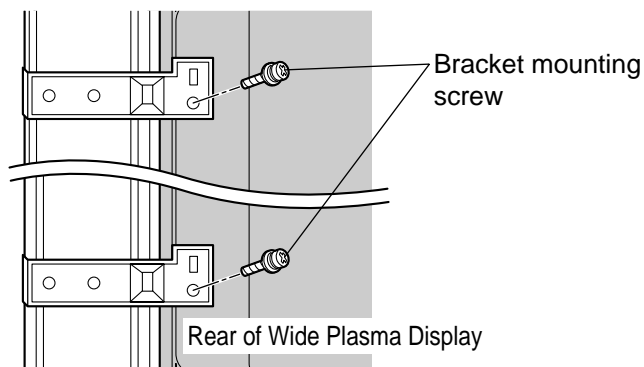
- Insert the hooks on the top and bottom mounting brackets simultaneously into the slots at the rear of the Wide Plasma Display, and then lower the speaker into place.
- Attach the left speaker in the same way.



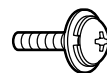
4

Secure the speakers in place.

- Adjust so that there is a uniform clearance between the Wide Plasma Display and the speakers, and then securely tighten the bracket mounting screws.
- Secure the top and bottom mounting brackets by tightening the bracket mounting screws.
- Secure the left speaker in the same way.



- 4 Bracket mounting
Assembly screw (M4-10) x 8

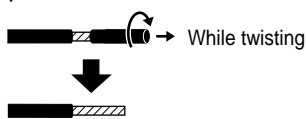


5

Connect the speaker cables.

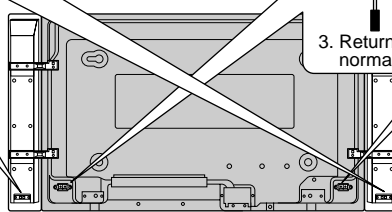
- After preparing the ends of the speaker cables, connect them as shown.
- Connect the speaker cable for the left speaker in the same way.
- The red cable is for the (+) side and the black cable is for the (-) side. Do not connect the cables to the wrong sides.

Preparing the ends of the speaker cables



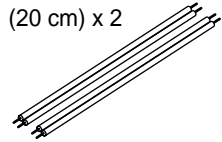
1. Press down on the lever.
2. Insert the cable.
3. Release the lever.

1. Push down the lever.
2. Insert the cable.
3. Return the lever to its normal position.



When these speakers are attached to the plasma display, they will not form a straight line but rather so that they slightly face inward, to produce stable sounds.

6 Speaker cable
(20 cm) x 2



▼ Note:

1. If connecting to an external amplifier which exceeds the rated input for the speakers, lower the amplifier volume to protect the speakers from damage. If any problems occur with speaker operation, disconnect the mains lead of the amplifier and consult a qualified service technician.
2. Do not place the speakers in the following places:
 - Places which are exposed to direct sunlight
 - Near heaters or other heat sources
 - Places with high humidity
3. This set is equipped with magnetic resistant speakers but be careful not to place them near the CRT TV as it may cause color patches.
4. To clean the speakers, wipe them with a soft cloth. If they are extremely dirty, wipe them with a cloth which has been soaked in a small amount of household detergent, and then wipe the dry with a separate cloth.
 - Do not use solvents such as alcohol or thinner.
 - If using chemically-treated cloths, follow the instructions on the cloth packaging.
5. Remove the dust on the speaker net using a duster or a vacuum cleaner at low power. Since the net is made of cloth, pushing too hard on it may damage the net.

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