Universal flat-panel mount

PCM-MS2
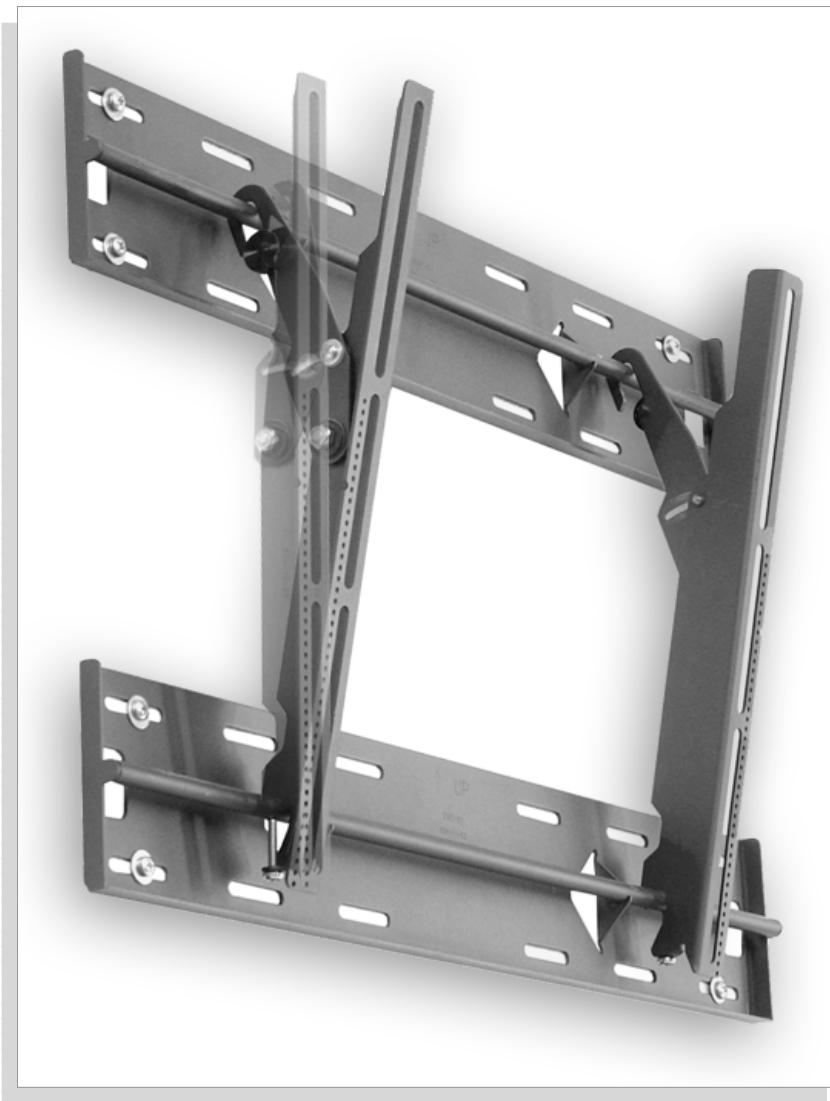
Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

www.mounts.com

Contents

WARNING!

The wall structure should be capable of supporting a max weight of 160 Lbs., the weight of the flat panel. More than 160 Lbs the wall must be reinforced. Proper installation procedure by qualified personnel as outlined in the installations instructions must be adhered to. Failure to do so could result in serious personal injury.

WARNING Safety precaution measures must be practiced at all times during the installation of this product. Use proper safety gear and tools for the installation procedure to prevent personal injury.

The entire installation instructions should be fully read and understood, including all of the safety symbols and safety precautions, before beginning installation. The installation instructions should be read, understood and followed to prevent personal injury or property damage. Keep these installation instructions in an easily accessible location for future reference.

Indicates that the power plug is to be disconnected from the power outlet.

Contact Premier Mounts for any questions

Safety precautions must be taken at all times.
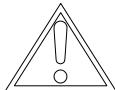
Warning and caution in general
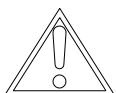
A secured structure wooden stud wall must always support the weight or load of the flat panel. Always confirm the center of the wood stud before beginning the installation.

Do not install in locations where there is vibration, movement or danger of impact. Failure to do so could result in flat panel cracking or falling from the wall causing damage and injury.

Do not install near heater, fireplace, direct sunlight or air conditioning or any other source of direct heat energy. Failure to do so may result in damage to the flat panel and could cause a risk of fire.

At least two qualified people should always perform the installation work. Injury and damage can result from dropping or mishandling the flat panel.
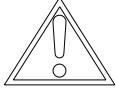
Mounting structure recommended wood studs, solid-flat concrete. Use a min dia of 5/16" x 2 ¼" lg concrete wedge anchor (commercially available). or a min dia of 5/16" x 3" lg wood screws.

Assembly drawing

Dimensions are in Inches and (*mm*)
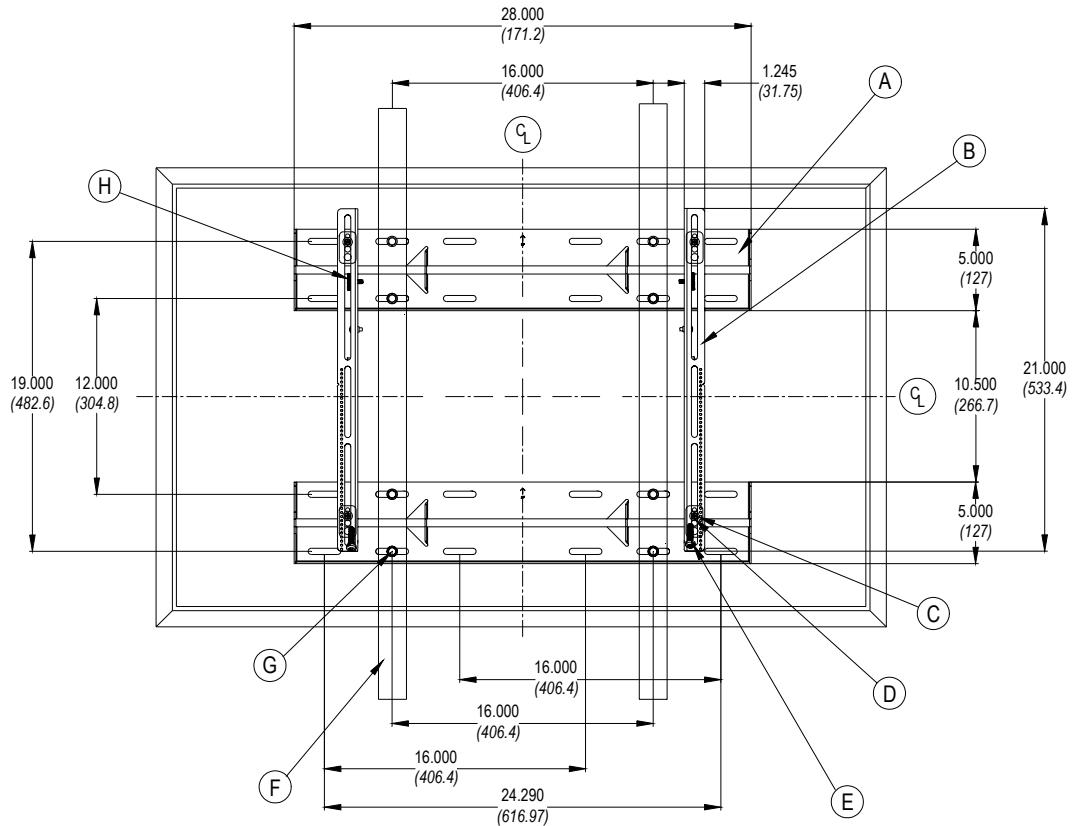
Description

A. Wall plates

B. Mounting brackets

C. Griplate™

D. Mounting hardware

E. M6 x 30 (mm) Phillip screws

F. Wood stud

G. 5/16" x 3" Lag screws and flat washers

H. Safety knobs
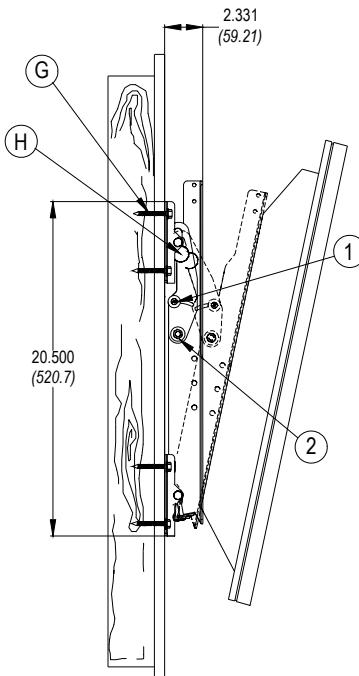
Fine tune tilt adjustments

1. M5 Phillips screws for fine tension
2. M8 Hex nut coarse tension

NOTE: The 8 (mm) hex nut is for your coarse tension adjustment and the 5 (mm) screws are for your fine tension adjustment.

Flat panel list

Acer

PDP7859: **M6 x 20**

Akai

CTA42AR7A, PDP4247, PDP4290, PDP4294, PDP5090, HPT500AN: **M8 x 25 – ½" nylon spacers - sleeves**

Akira

EPM420, SV4201: **M5 x 16**

Albatron

PWV46AC: **M6 x 20**

Barco

Cineversum 50: **M8 x 20**

BenQ

PDP7843E: **M6 x 20 – ¼" nylon spacers (small)**
PDP46W1: **M6 X 12**

Cornea

MP4200, MP4204: **M5 x 16**

Dream Vision

Revolution One, Revolution Five: **M4 x 16**

Dukane

P37: **M6 x 12**
P42: **M6 x 12**
P50: **M8 x 20**

Dwin

HD50: **M8 x 30 – ½" nylon spacers - sleeves**

EIKI

PLD32: **M5 x 20 - ¼" nylon spacers (small)**
PLD42XU: **M5 x 20 - ¼" nylon spacers (small)**

Eizo

5420T: **M8 x 30**

Electrograph

DTS42W: **M8 x 30 – ¼" nylon spacers (large)**
DTS4230: **M8 x 30 – ½" nylon spacers - sleeves**
DTS42DD, DTS42GBDD, DTS42GB: **M6 x 20**

Faroudja

FPP42HD10, FPP50HD10: **M4 X 16**

Fujitsu

4211, 4212, 4221, 4222, 4208, 4209, 4213, 4214, 4229, 4241 4242, 4233: **M5 x 16**
5001, 5002, 5003, 5004, P50XHA10, P50XCA11UH, P50XHA30WS: **M8 x 25 – flat washers**
PDS6101, PDS6001, PDS6002: **M8 x 30 – ½" Nylon spacers - sleeves**

Gateway

GTWP42M102: **M8 x 20, M8 x 35 – ¼" nylon spacers (large)**
GATEWAY 42: **M8 x 30 – ¼" nylon spacers**
GATEWAY 46: **M6 x 20**
GATEWAY 50: **M8 x 30 – ¼" nylon spacers**

Helios

4200: **M8 x 20**

Hitachi

32HDT20,CMP307XJ,CMP307XU,32HDT20
CMP401HDU, CMP402HDE, CMP402HDU, CMP4120HDU, CMP4121, CMP4121HDU,CMP4201U, CMP4202U, 42HDW10,42HDT20, 42HDT50, 42HDT55 **M6 x 12**
CMP5000WXU, CMP5003WXU, 50HDT50, 50HDT55: **M8 X 20**

Idex

PDM4260: **M4 x 16**

Ikegami

PTM4202: **M5 x 20**

Integra

PLA50V1: **M4 X 16**

JVC

GDV4200PZW, 4210, GDV4210PZWGA, 4211, GMP420UG, GMV42UG, JVP042WV74, PD42WV74, PD42WX84: **M5 x 16**
GDV500PZU, GDV501U, 502U: **M8 X 30 – ½" nylon spacers – sleeves**

LG Electronics

Flatron MU40PA10B, MU40PA15B: **M5 x 20- ¼" nylon spacers**
Flatron MN42PZ10, MN42PZ11, MU42PZ10, MU42PZ11B, MU42PZ15B: **M5 x 20**
MU50PZ41, MU50PZ90: **M5 x 20**
Flatron MU60PZ10, MU60PZ11B, MU60PZ12B, MU60PZ90V: **M8 x 25**

Luce

PDTV4220A: **M5 x 25 – ½" nylon spacers**

Marantz

PD4280D, PD4282D, PD4290D, PD4292D, PD4293: **M4 x 20**
PD4298HD: **M6 X 20**
PD501OD, PD5020, PD5040:

Max

4600, 4600T: **M6 x 20**
5000: **M8 x 30- ½" nylon spacers - sleeves**

NOTE: If your flat panel display is not listed, go to (page 8) to determine the thread pitch for your flat panel.

Mitsubishi

PD5010HD, PD5030: **M4 x 16**

Monivision

PWV46AC, PD46W00: **M6 x 20**

NEC

4200W, 4210W, M4A,MP2, PX42M3A, 42PD1W, PD2 M5A,M5G, 42MP1, 42PD1, PX42VM1A, PX42VP1A, PX42VP2A, 42MP3, 42PD3, PX42VP3A, 42MP4, 42VP4A, 42MX2: M4 X 16, 5000W, PX50M5A, 50PD1, PX50VP1A, PX50MX1A, 50MP1, 50MP2, 50PD2, 50VP2, 50MP3, 50XM3: **M4 X 16**

Norcent

46WGA850: **M6 x 12**

Orion

PM4202: **M5 x 16**

Panasonic

TC42P1, PT42PD3P, PT42PD1P, TC42P1F, PT37P1, TH42PWD3, TH37PWD4UZ, PT37PD4, TH37PW5EX, TH37PA20UP, TH42PD4UY, TH42PWD4EX, PT42P1, 42PD2, TH42PWD3U, TH42PHD5U, PT42PD3P, PT42PD4, PT42PHD4P, TH42PWD5UY, TH42PW5UZ, TH42PWD6UY, TH42PA20UP, TH42PL20E, TH42PAX20, TH50PHD3U, PT50PD3P, PT50PHD4P, TH50PHD3E, TH50PHW3, TH50PD4, TH50PHD5UY, TH50PHD6UY, TH50PL20E, TH50TX20UP:
M8 X 30 – ½" Nylon spacers – sleeves
TH42PX20U, TH50PX20U: M8 X 70 – 1-1/2" Nylon spacers

Philips

42FD9934, 42FD9952, 42FD9954, 42PH9555, 42FD9935: **M5 x 25 ½" Nylon spacers**
BDS4611: **M6 x 20**
50FD9934/17S: **M4 X 16**

Pioneer

PDPV401, V402, PDP4330HD, PDP433HDE, PDP433CMX, PDP433PU, PDP4300, PDP4340HD, PRO800HD, PRO800HDI, PRO910HD, PDP4310, PDP501X, V502MX, V502X, PDP503MX, V505, PDP505HD, PRO1000HD, PDP503CMX, PDP5030HD, PDP503HDE, PDP5031HD, PDP5040HD, PRO1000HDI,PRO1110HD: **M8 X 20**

Planar

42N: **M4 x 16**
50P: **M8 x 20**

Princeton Graphics

AR3.4FTW,AR4.6PDP: **M6 x 20**

Rainbow

Spectrum 3750: **M6 x 20**

RCA

PR42300, PHD42600, PHD50300, PHD50400: **M4 X 16**
PHD50500: **M8 X 20**

Revox

E1042: **M6 x 20**
E1050: **M8 x 20**

Runco

PL42C, CW42: **M4 X 16**
PL42CXPL50CX: **M8 X 30, ½" Nylon spacers – sleeves**
E1050, PL50C, PL50HDX, CW50MC: **M8 X 20**

Sampo

PME42S6: **M8 x 30 – ¼" nylon spacers (large)**
PME42F61: **M8 x 20, M8 x 35 – ¼" nylon spacers (large)**
PME50X6: **M8 x 30 – ¼" nylon spacers (large)**

Samsung

PPM42S2, PPM42S3, SPL4225K, SPN4235, SPN4239: SPK4215M, PK42P2S**: M8 x 25 – ½" nylon spacers**
PPM50H2, HPL5025K: **M8 x 30 – ½" Nylon spacers - sleeves**
PPM50H3, HPN5039: **M8 x 25 – ½" nylon spacers**

Sanyo

PDP421A: **M5 x 20 - ¼" nylon spacer (small)**
PDP42H1NA: **M5 x 20 - ¼" nylon spacer (small)**

Sharp

PZ42H2U, PZ43HV2U, PD50U, PZ50HV2U: **M8 X 20**

SONY

PFM42B1,PFM42B2: **M6 x 20 - 5/16" flat washers**
PFM-42V1,PFM-42V2: **M6 x 25 – 9/16" nylon spacers**
PFM50C1: **M6 x 20 - 5/16" flat washers**
KE-42XBR900: **M6 x 20 - 5/16" flat washers**
KE50XBR900: **M6 x 20 - 5/16" flat washers**
KE42XS910: **M6 x 20 - 5/16" flat washers**
KDE61XBR950: **M6 x 20 - 5/16" flat washers**

SVA

HD4208TIII: M6 x 20 - ¼" nylon spacers

Tatung

P46T: **M6 x 20**

Toshiba

42HP82: **M4 X 16**
PD42W, PD42W1: **M8 X 30 – ½ " nylon spacers (large) - sleeves**
50HP81: **M8 X 30 – ½" nylon spacers (large) - sleeves**
50HP82: **M4 X 16**

Tredex

TXP4600: **M6 x 20**

V-Inc

Vizio P1, Vizio P4: **M6 x 12**

Vidikron

VPW420: **M8 X 30, ½" Nylon spacers (large) - sleeves**

VIEWSONIC

VPW420: **M8 x 30 – ½" nylon spacers - sleeves**
VPW425: **M8 x 30 – ¼" nylon spacers (large)**
VPW450HD: **M8 x 30 – ¼" nylon spacers (large)**
VPW500: **M8 X 20**
VPW505: **M8 x 30 – ¼" nylon spacers (large)**

Yamaha

PDM1: **M8 x 30 – ½" nylon spacers - sleeves**

Zenith

DPDP40W, P40V22,DPDP40V, P40V24: **M5 x 20 – ¼" nylon spacers (small)**
P42W22, P42W22B, P42W24P, P42W34P: P40V24:
M5 x 20 – ¼" nylon spacers (small)
P50W26, P50W28, P50W38: **M5 x 16**

NOTE: If your flat panel display is not listed, go to (page 8) to determine the thread pitch for your flat panel.

Parts list

NOTE: This wall mount is shipped with all proper installation hardware and components. Make sure that none of these parts are missing before beginning installation. If there are parts missing stop the installation and contact Premier Mounts.

Actual screw size

M4 x 16   (Qty 8)

M4 x 25   (Qty 4)
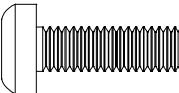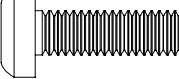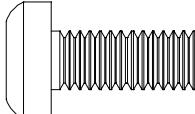
M5 x 12   (Qty 8)

M5 x 16   (Qty 6)

M5 x 20   (Qty 6)

M5 x 25   (Qty 4)

M5 x 50   (Qty 4)

M6 x 12   (Qty 8)

M6 x 20   (Qty 6)

M6 x 30   (Qty 2)
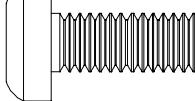
M8 x 20   (Qty 6)
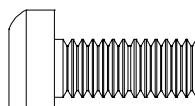
M8 x 25   (Qty 6)

M8 x 30   (Qty 6)
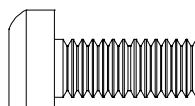
M8 x 35   (Qty 4)
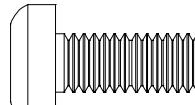
M8 x 70   (Qty 4)
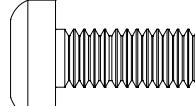
**Nylon spacers and flat washers
actual size**

NOTE: The nylon spacers may be staked to achieve proper spacing.
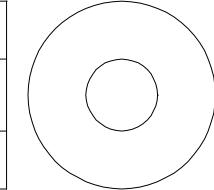
1/4" Nylon spacers
(large)
(Qty 6)
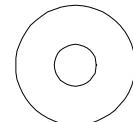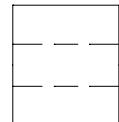
9/16" Nylon spacers
(Qty 6)
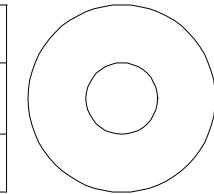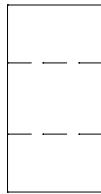
1/2" Nylon spacers
(large)
(Qty 12)
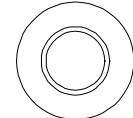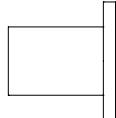
Nylon sleeves
(Qty 4)
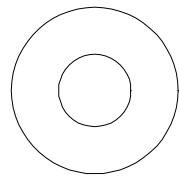
5/16" Flat washers
(metal)
(Qty 6)
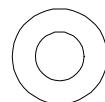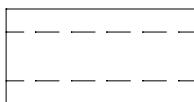
1" Nylon spacers
(Qty 6)
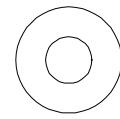
1/4" Nylon spacers
(small)
(Qty 6)

Checking the thread depth on your flat panel

1. Insert the thread depth indicator (supplied) through the thread inserts found on the back of the flat panel to make sure the inserts measure the same full depth and mark it.
(see figure 1)

2. Locate the correct diameter screw for the thread insert. Compare your marking to the screws (supplied). If your selected screw is longer than the marking on the thread depth indicator **DO NOT USE** this screw.
The screw length must not bypass the marking. Select another screw size (see figure 2 and 3). Until you find one that comes closest to your mark without going past.

Figure 1

Inverted flat panel display

Marking the depth

Thread insert

Thread depth indicator

Figure 2

Screw

Thread depth indicator

Marking

Figure 3

Screw

Thread depth indicator

Marking
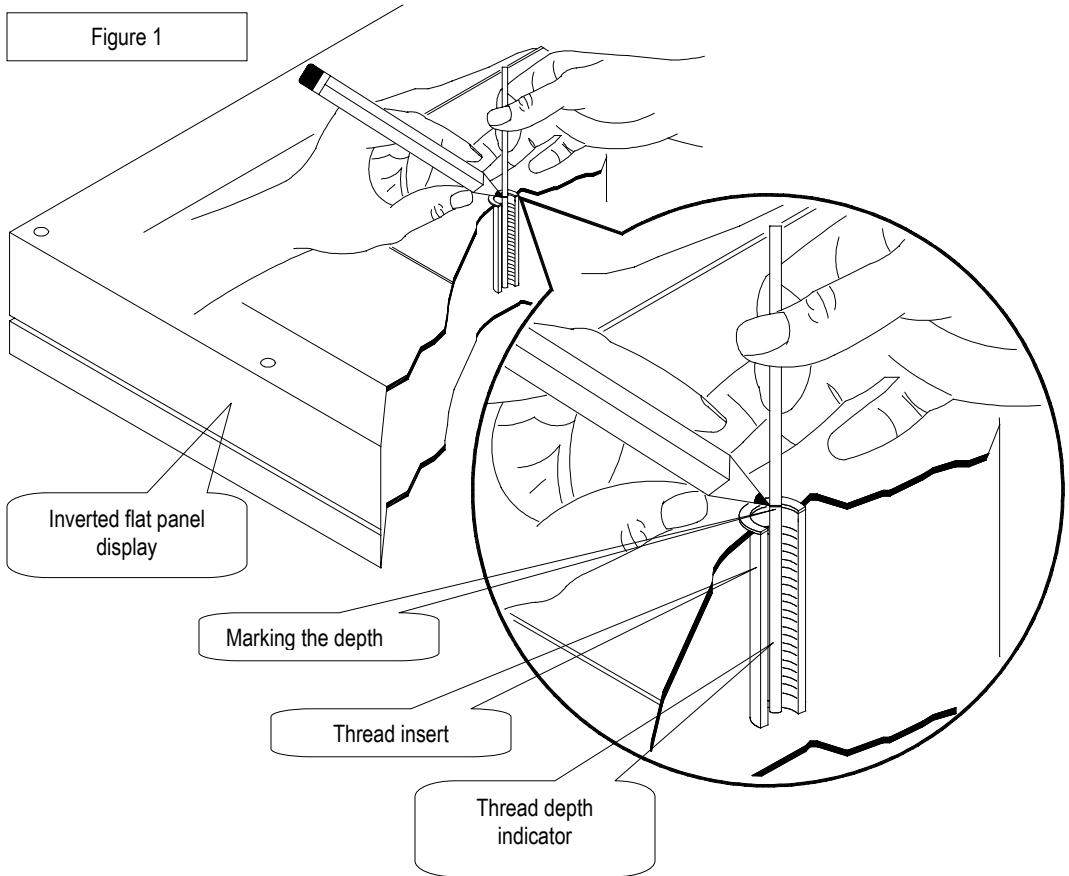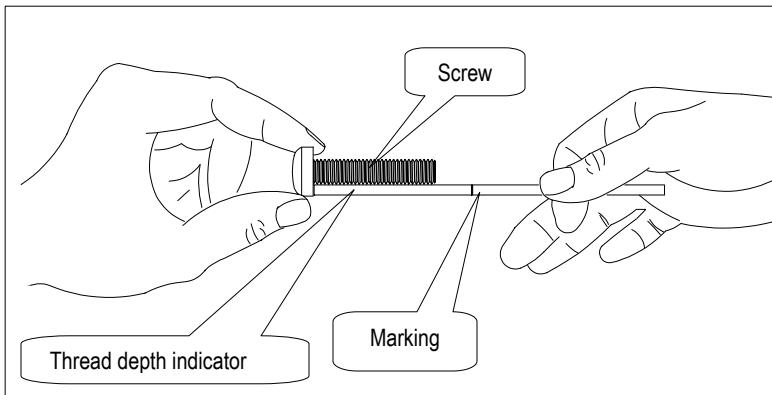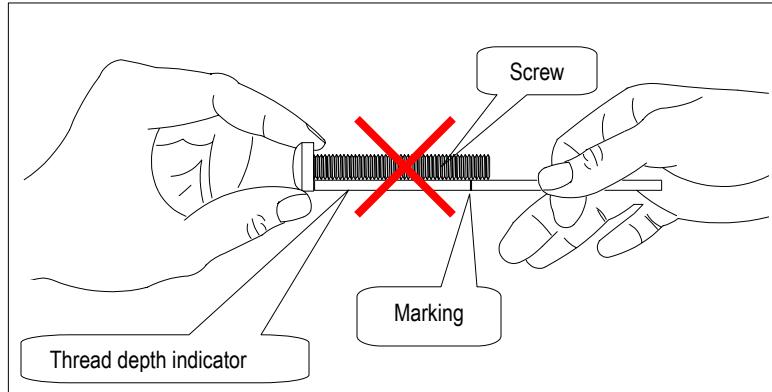
Parts list (con't)

All of these parts are used to install the mounting bracket. Make sure that none of these parts are missing before beginning installation. If there are parts missing stop the installation and contact Premier Mounts.

Level (1)
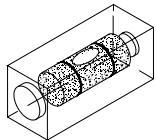
Griplates™ (8)

M6 x 12 Safety knobs (2)
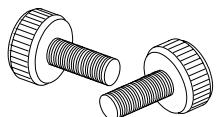
Wall plates (2)
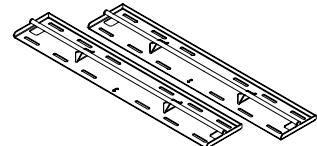
5/16" flat washers (8)
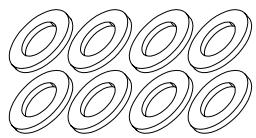
Mounting brackets
(left & right)
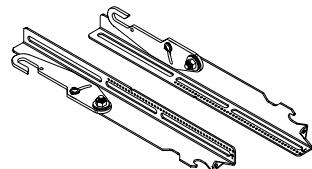
5/16" x 3" Lag bolts (8)
(used on wood studs only)
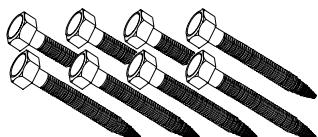
M6 x 30 Lateral shift
locking screws (2)
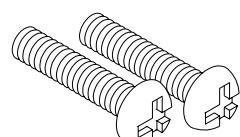
Template (1)
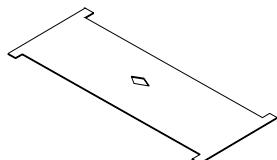
Thread depth
indicator (1)
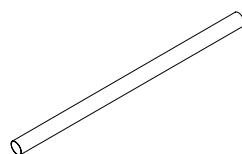
Finding center of the plasma TV

WARNING : Proper installation procedure by qualified personnel as outlined in the installation instructions must be adhered to. Failure to do so could result in serious personal injury and possible damage to the flat panel.

WARNING!
INVERT THE FLAT PANEL PLACE IT ON A SOFT, FLAT SUFRACE TO PREVENT DAMAGE TO THE FLAT PANEL. USE A BLANKET, FOAM, ETC. FAILURE TO DO SO WILL RESULT IN DAMAGING THE FLAT PANEL. DO NOT LAY THE FLAT PANEL ON THE FLOOR WITHOUT ANY PROTECTION TO THE GLASS. THE FLAT PANEL IS HEAVY AND FRAGILE. AT LEAST (2) QUALIFIED PERSONNEL ARE STRONGLY RECOMMENDED FOR INSTALLATION OF THIS PRODUCT. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY AND POSSIBLE DAMAGE TO THE FLAT PANEL.

Figure 1

Top of flat panel

Measuring tape

Inverted flat panel

Bottom of flat panel
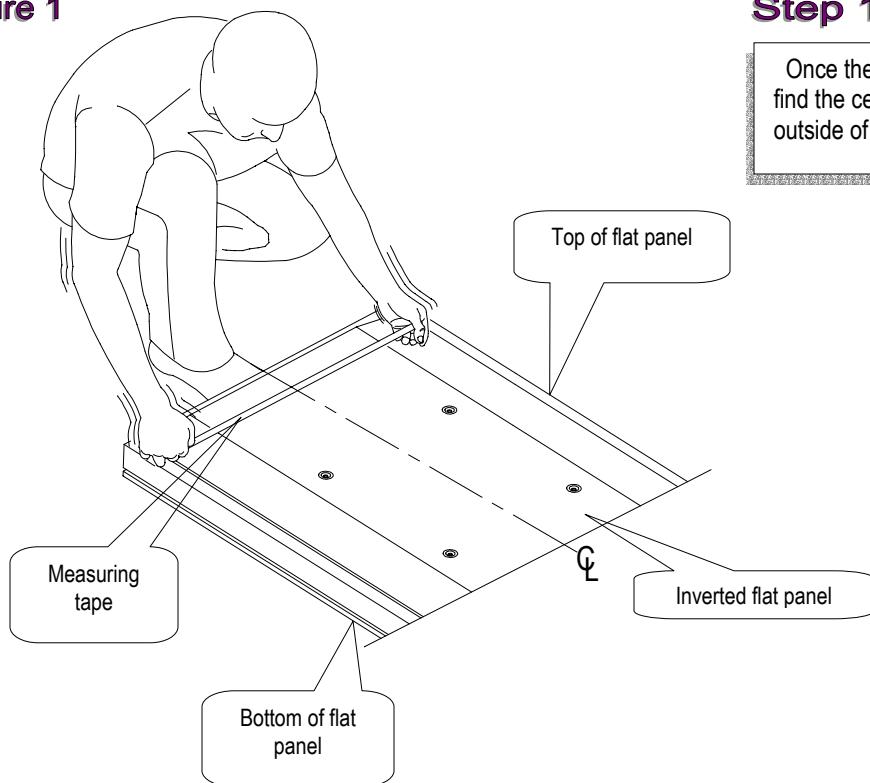
Step 1

Once the flat panel is inverted, use a measuring tape to find the center of your flat panel measuring from outside to outside of the chassis. See figure 1.

Step 2

Using a pencil lightly mark the center of your flat panel. See figure 2.

Figure 2

Inverted flat panel

Mark the center of the flat panel
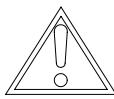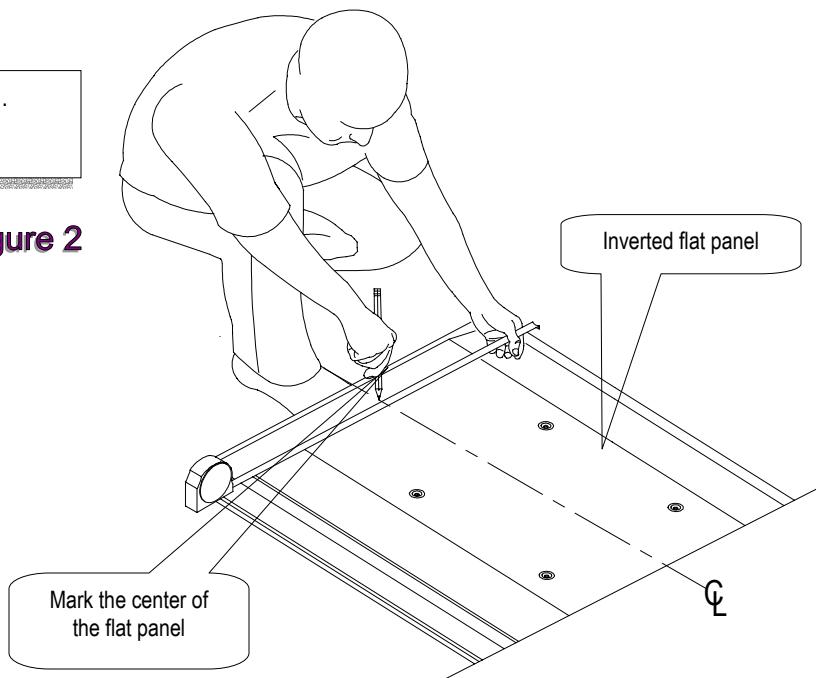
Positioning the mounting brackets

Figure 3

Nylon spacers if Applicable (see chart) on page 4 and 5

Center mark

Inverted flat panel
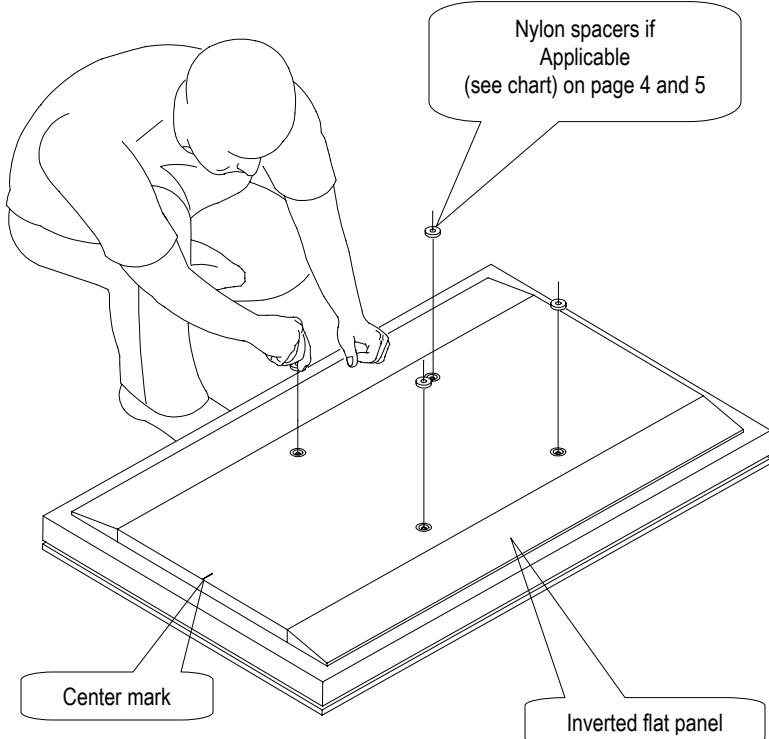
Step 3

CAUTION: Check the chart on page 4 and 5 to see if your flat panel needs nylon spacers. The nylon spacers provided, must be used. Failure to do so will result in damaging the flat panel.

Install the nylon spacers to the mounting points on the flat panel see figure 3.

NOTE: See chart (if the nylon spacers apply to your flat panel).
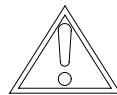
Step 4

Lay the left and right mounting brackets (stamped arrows facing out). See figure 4.

Figure 4

Left mounting bracket

Left mounting bracket

Bottom of flat panel

Arrows facing out
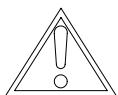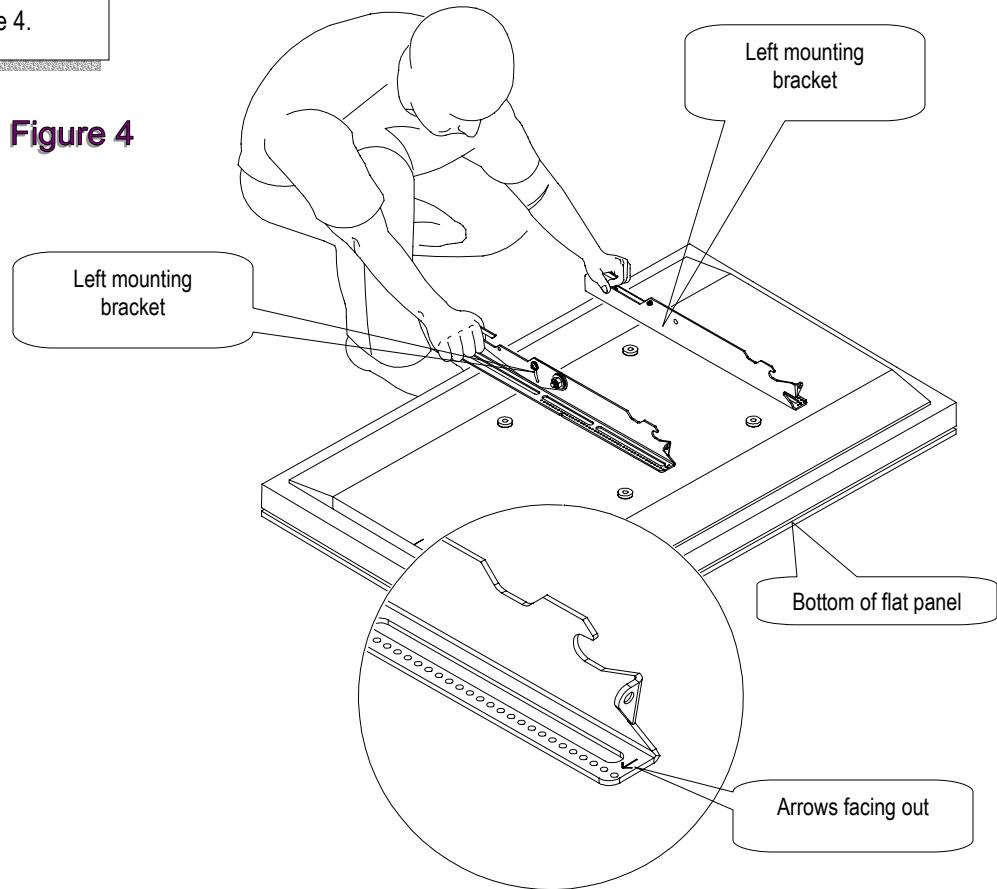
Figure 5

Step 5
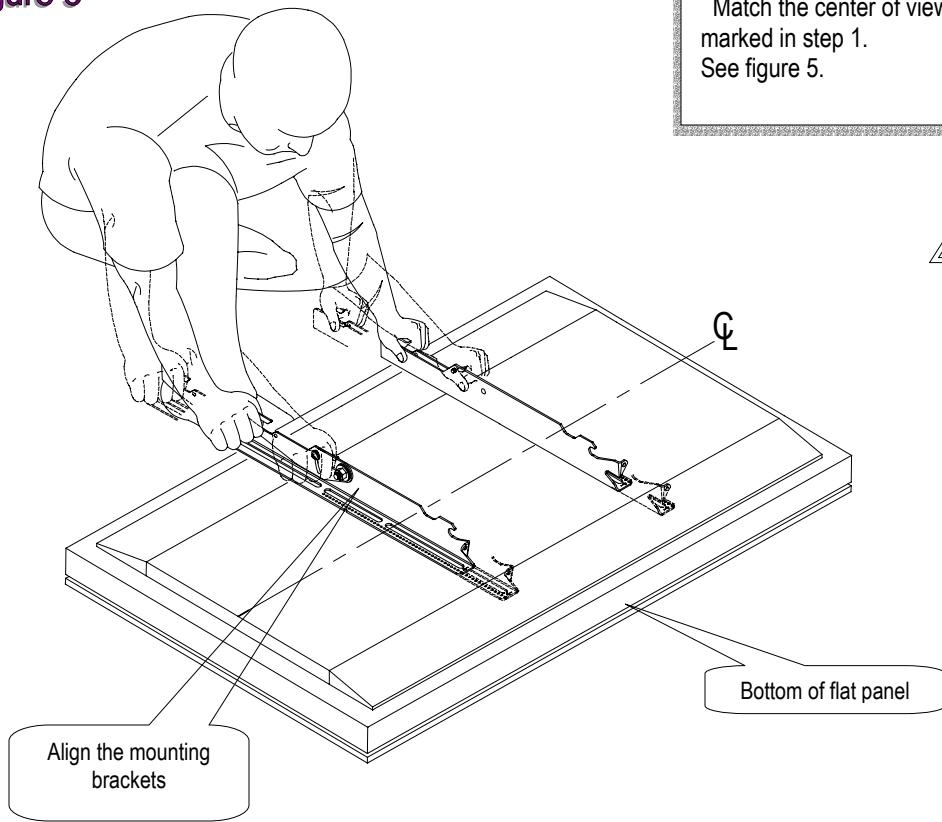
Match the center of viewing guide with the center line you marked in step 1.
See figure 5.

C
L

Bottom of flat panel

Align the mounting brackets

Step 6

The mounting brackets are designed with a center of viewing guide on the side of them.
See figure 6.

Figure 6

Mounting bracket

Bottom of flat panel

Center of flat panel

Center of viewing guide
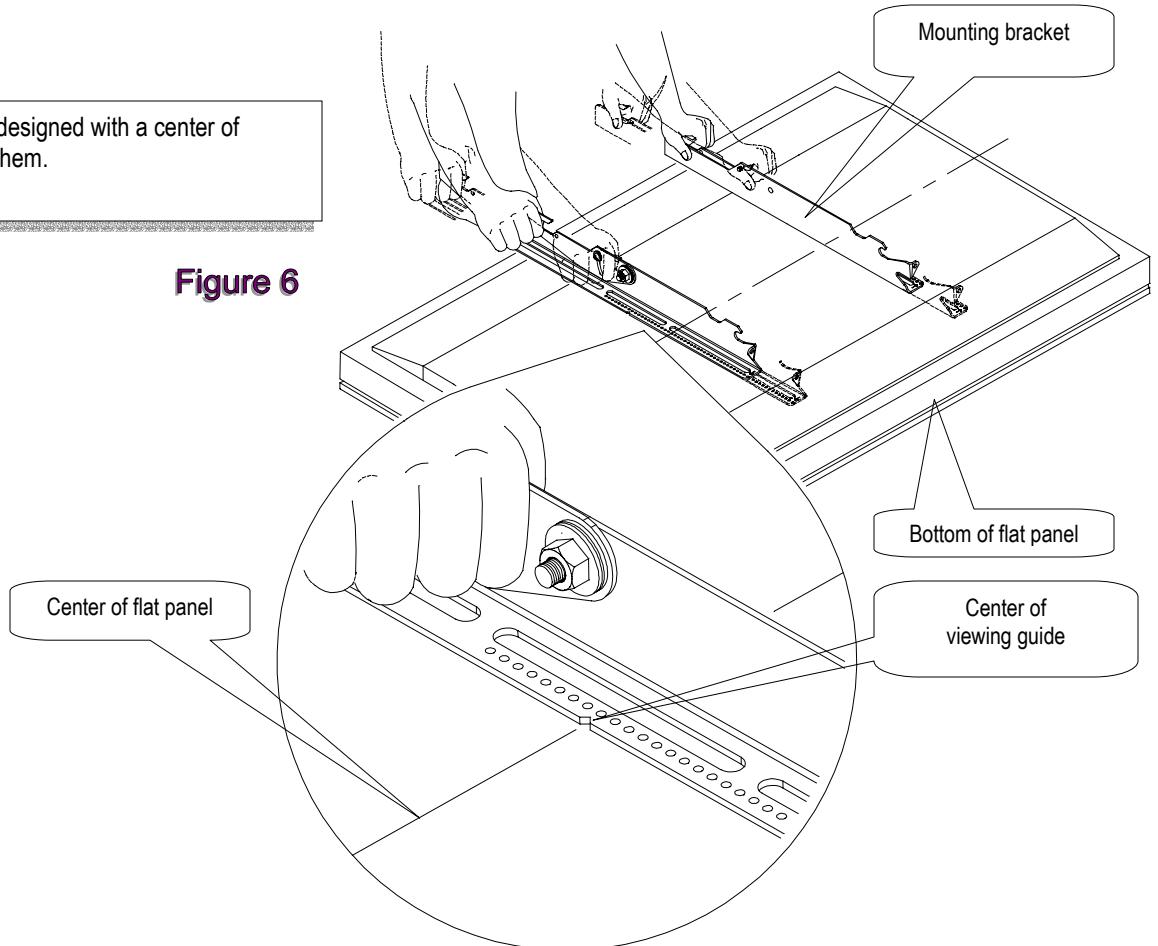
Securing the mounting brackets

Figure 7

DIMPLES

M8

M6

M5

M4
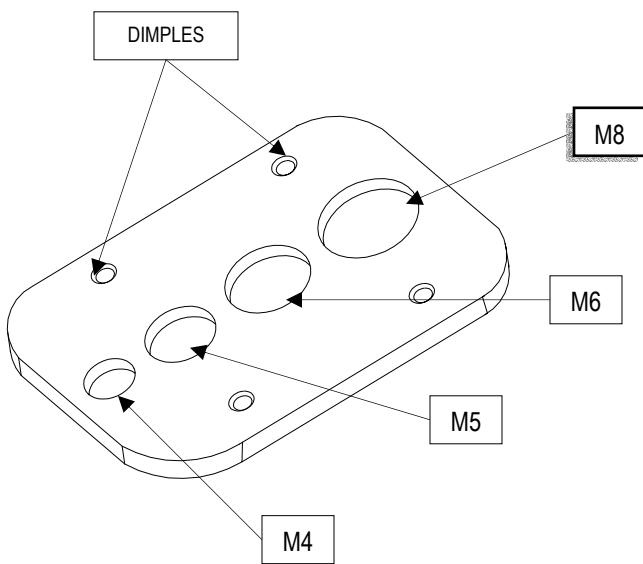
Step 7

The Griplates™ have M4, M5 M6 and M8 hole patterns to fit the hardware that your flat panel requires.

EXAMPLE: If your plasma uses M8 x 20 Phillip screws. Use the M8 mounting points. See figure 7

Step 8

Pre install two (2) M6 x 30 (mm) Phillip pan screws to the bottom of the left and right hand side mounting brackets. Once the mounting brackets are aligned secure the Griplate™ to the flat panel.

NOTE: The dimples of the top plates have to be facing up and the bottom dimples must be facing down. See figure 8.

Figure 8

Phillips screw driver

DIMPLES FACING UP

DIMPLES FACING UP

DIMPLES FACING DOWN

Bottom of flat panel

1/8"

DIMPLES FACING DOWN

CAUTION: Do not over tighten the mounting hardware.
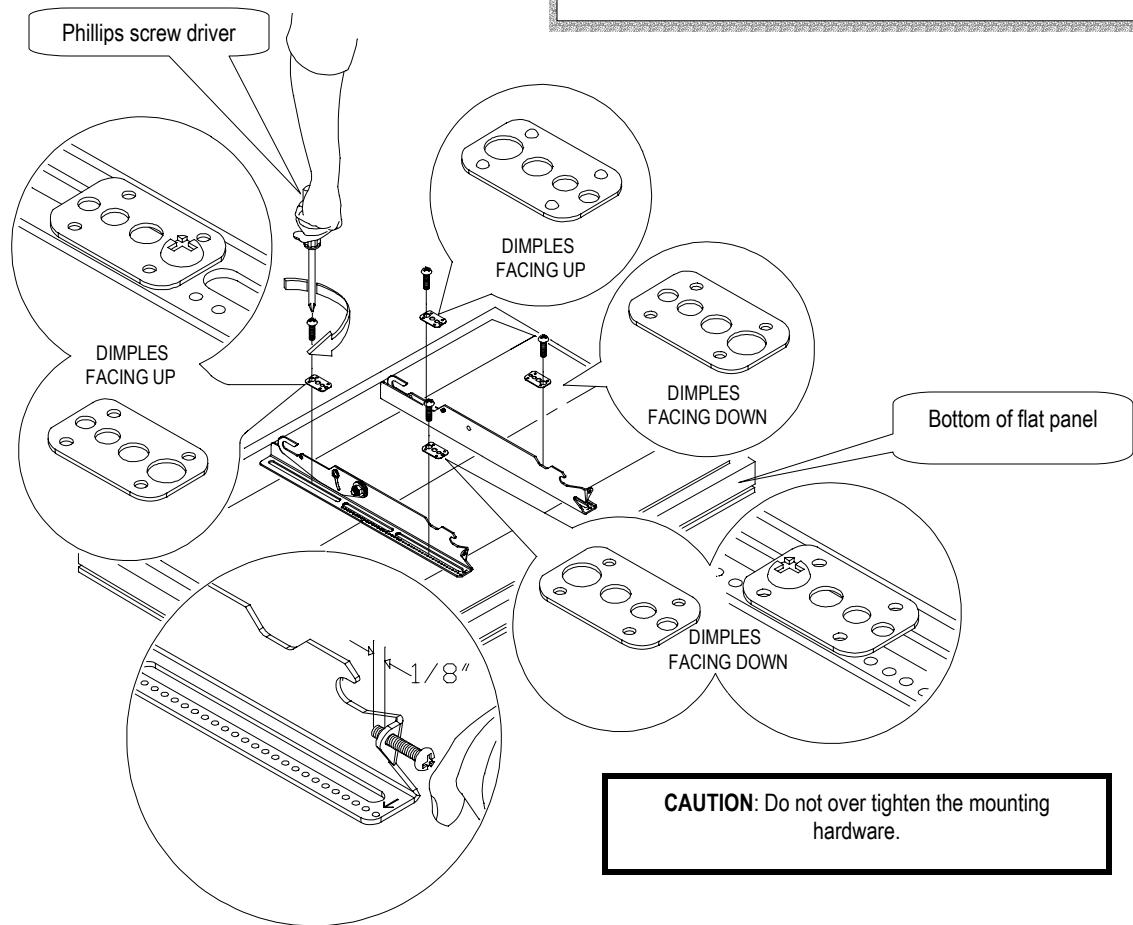
NOTE: Secure the two (2) M6 x 30 Phillip pan screws to the left and right mounting bracket.

Finding the wood studs behind the wall structure

Figure 9

Wood stud finder (commercially available)

Mark the wall and the center of the wood studs.

16"

CENTER OF VIEWING HEIGHT DESIRED

Wood studs behind the wall structure

Step 9

Using a (commercially available) wood stud finder, locate the 16" or 24" stud centers behind the wall. Once found, make a pencil marking on the center of the wood studs. See figure 9.

NOTE: The wall plates have (3) 16" and (1) 24" mounting slot positions. (Look at the assembly drawing on page 3)

16"

Center of viewing port

16"

Mark the bottom of the carton template

Carton template

Center of viewing mark

CENTER OF VIEWING HEIGHT DESIRED

Step 10

Align the center viewing port from the carton template to the center of the wood studs horizontally. Match the center of viewing port to the center of viewing height desired and mark a line on the bottom of the carton template. See figure 10.
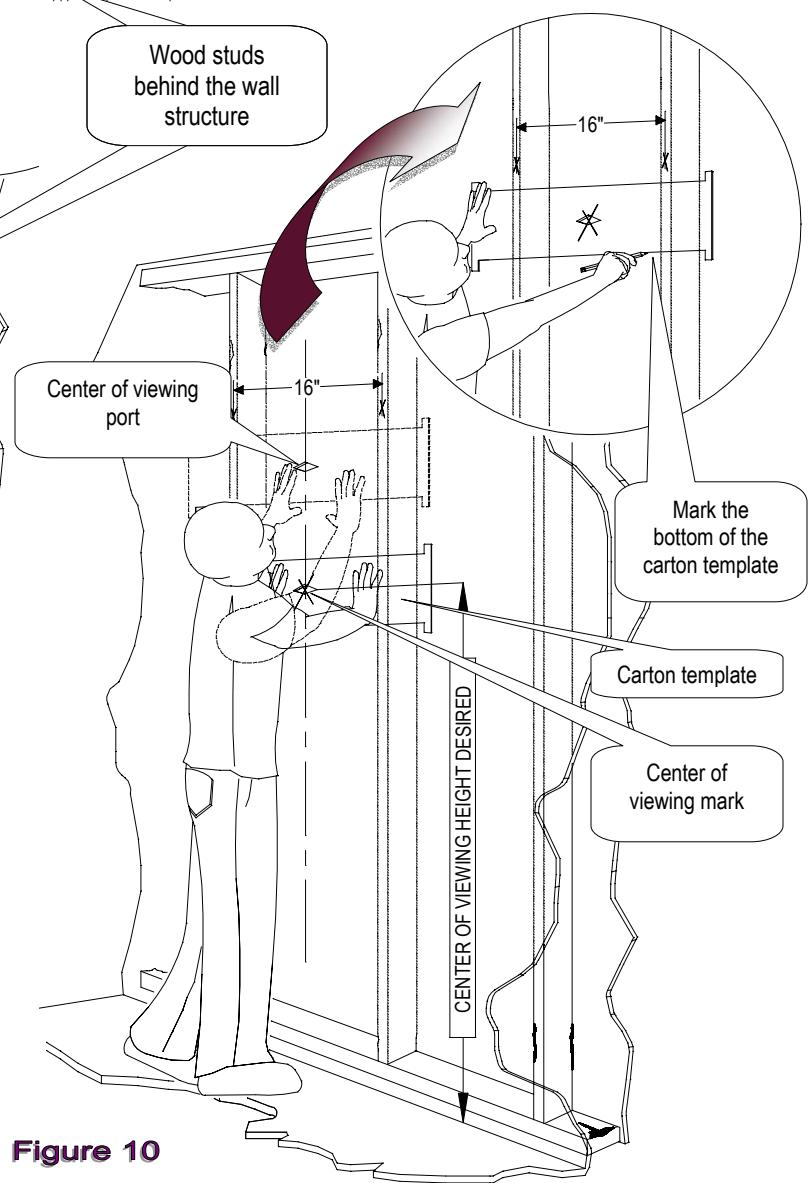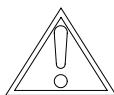
Figure 10

Marking the bottom plate mounting points

Figure 11

16"

Wall plate

Mounting slots

Wood studs
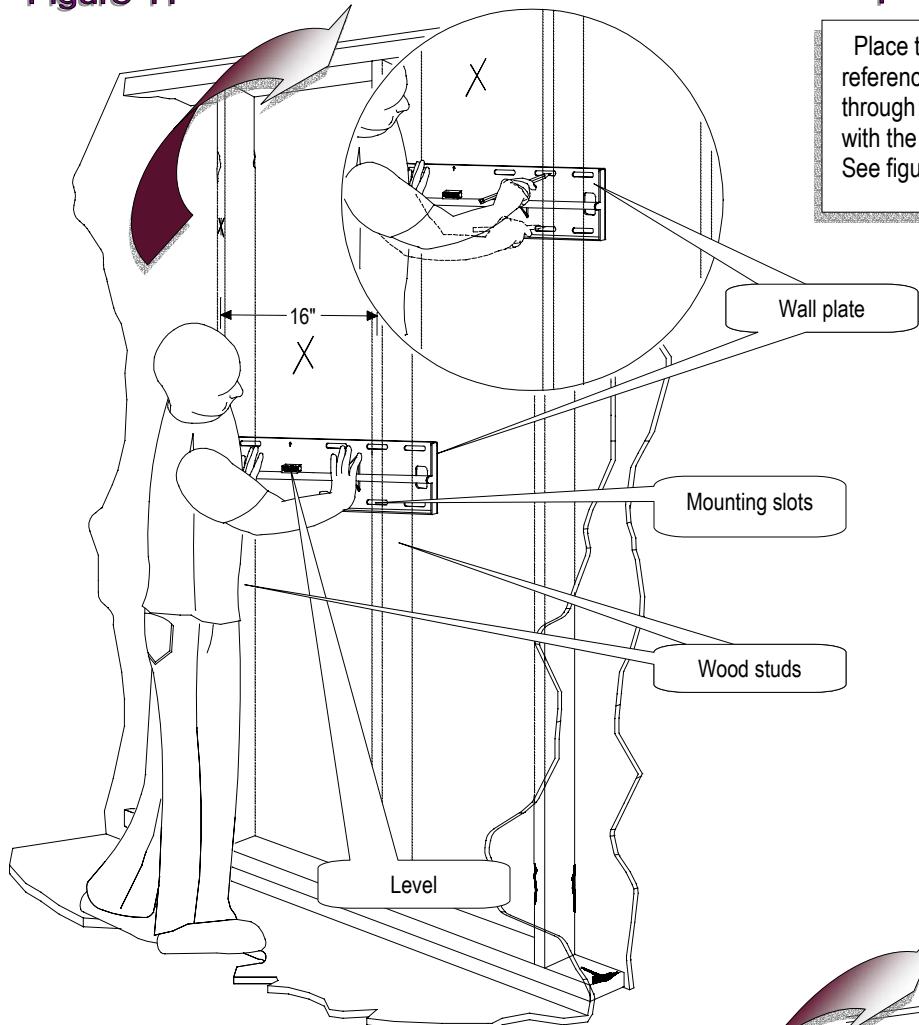
Level

Step 11

Place the upper portion of the bottom wall plate to the reference line and mark the four (4) lag bolt mounting points through the wall plate slots on the wall. Level the wall plate with the reference arrow pointing up to the ceiling. See figure 11.
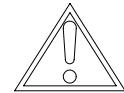
Step 12

Drill four (4) ¼" pilot holes to the marked wall. See figure 12.

Drill gun

Pilot holes

16"

Figure 12

Figure 13
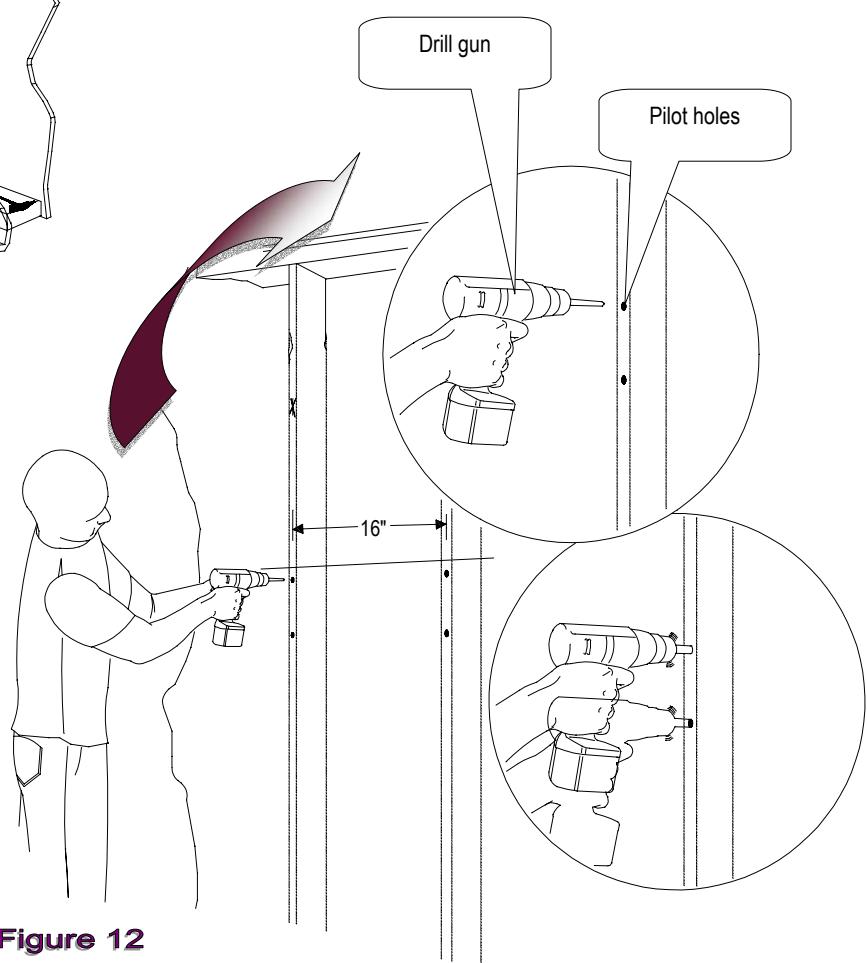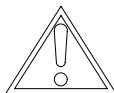
Level

Wall plate

(4) 5/16" x 3" lag bolts and
(4) flat washers
(supplied)
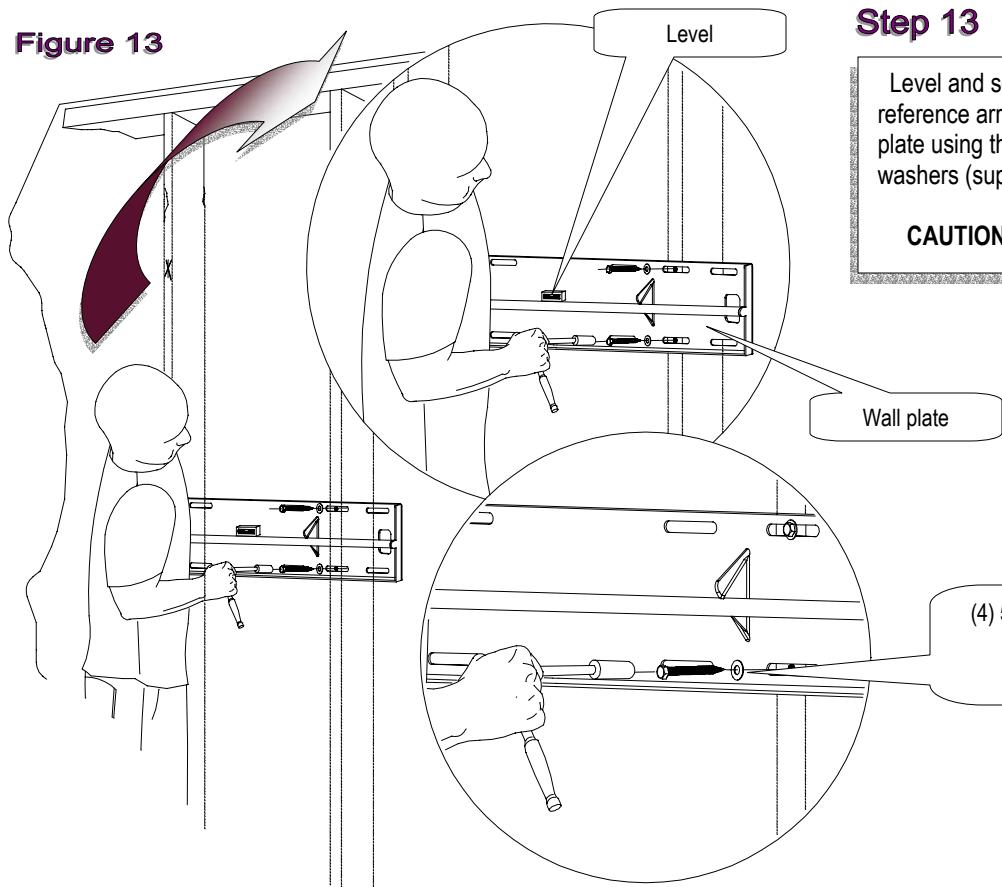
Step 13

Level and secure the plate to the wall with the reference arrow facing up to the ceiling. Secure the plate using the four (4) 5/16" lag bolts and flat washers (supplied). See figure 13.

CAUTION: Do not over tighten the lag bolts.

Step 14

When the bottom wall plate is properly installed to the wall. Lay the carton template on top of the wall plate. Lay the top wall plate on top of the cardboard template and mark the four (4) lag bolt mounting points. See figure 14.

Figure 14

Marked wall

Template
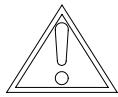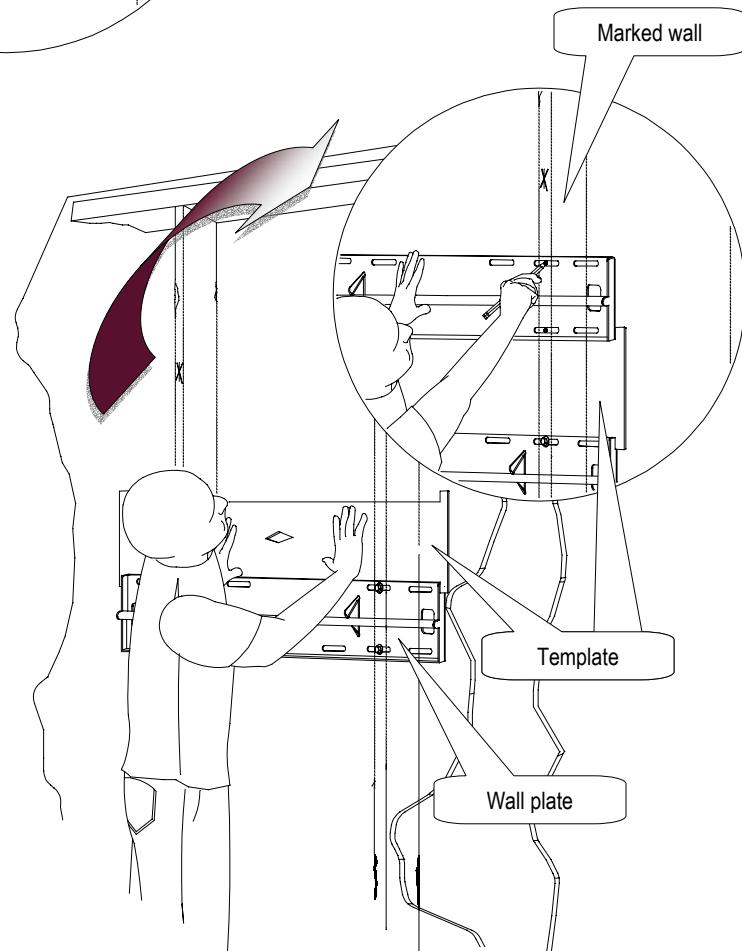
Wall plate

Step 15

Drill four (4) ¼" pilot holes to the marked wall. See figure 15.

**Figure 15**

Wall marks

Wall plate
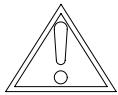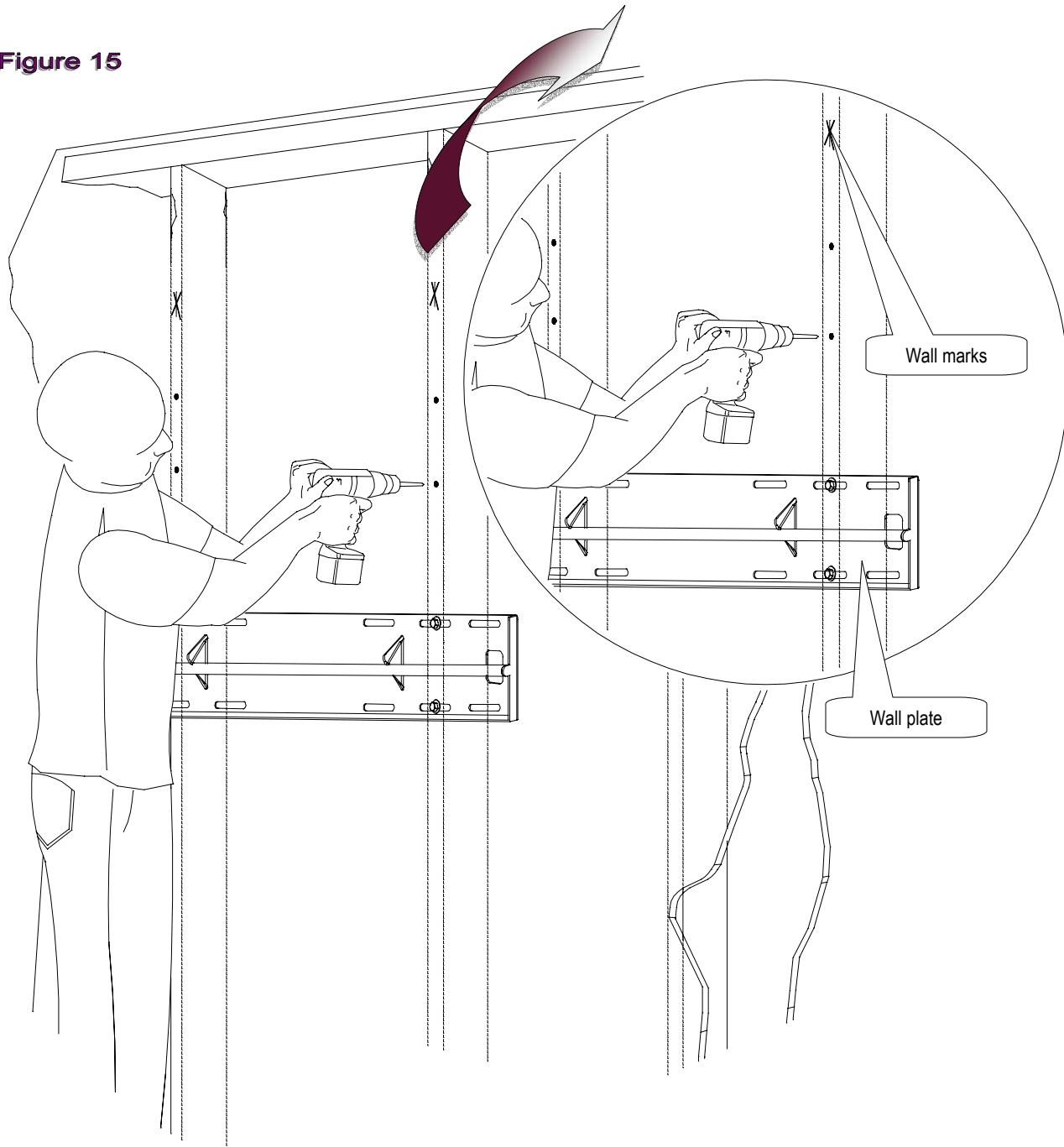
Step 16

Level and secure the plate to the wall with the reference arrow facing up to the ceiling. Secure the plate using the four (4) 5/16" lag bolts and flat washers (supplied). See figure 16

CAUTION: Do not over tighten the lag bolts.

NOTE: CHECK THE MOUNT FOR PROPER TIGHTNESS AND SECURITY.

Figure 16

Power source area

Wall plates
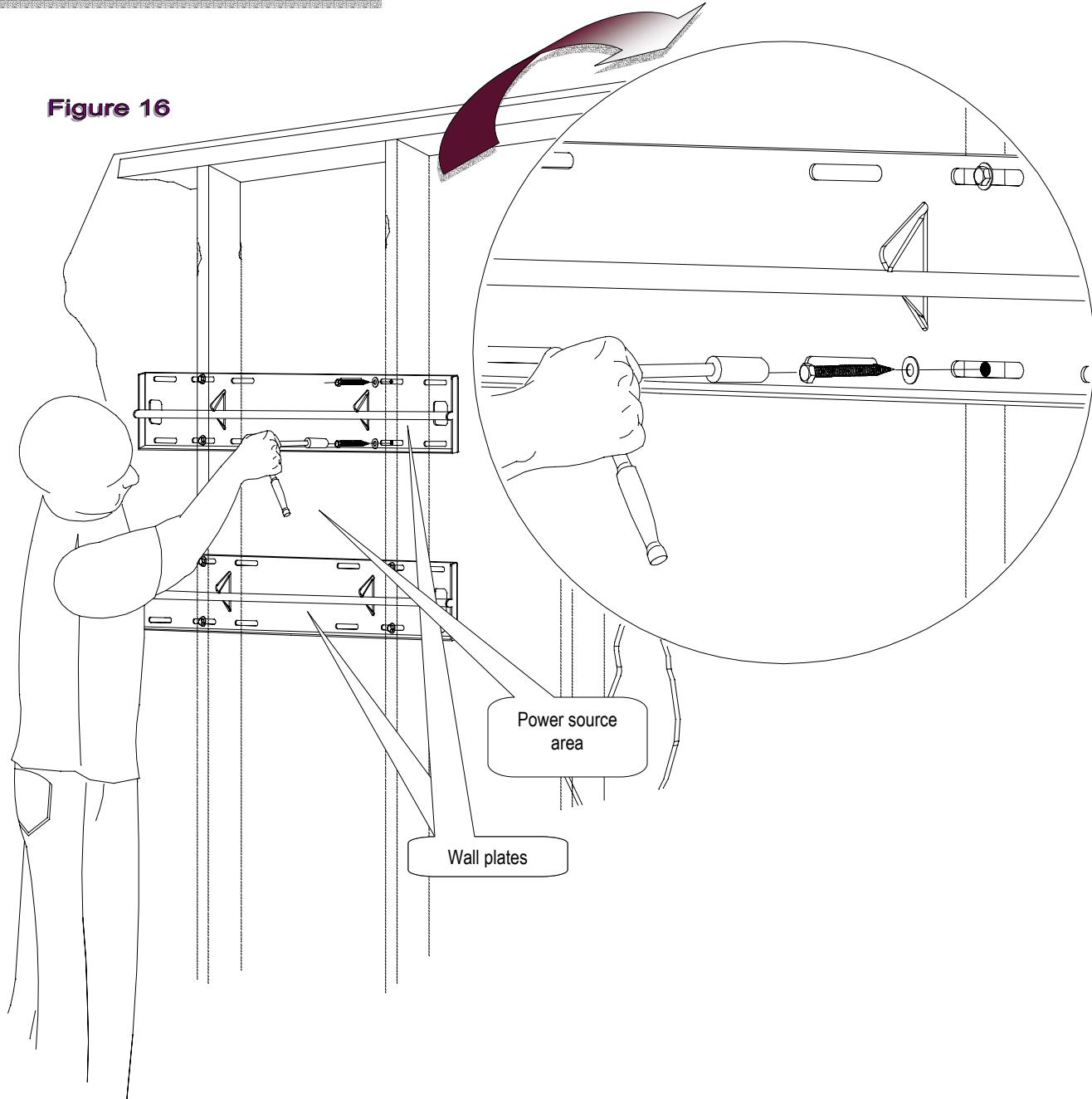
Securing the plasma to the wall mount

WARNING: AT LEAST (2) QUALIFIED PERSONNEL ARE STRONGLY RECOMMENDED FOR INSTALLATION OF THIS PRODUCT. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY AND POSSIBLE DAMAGE TO THE FLAT PANEL.

Step 17

Raise the flat panel with the LEFT and RIGHT mounting brackets secured to the flat panel and insert the top and bottom hooks from each bracket to the rods from the wall plates. See figure 17.

### Figure 17

TOP
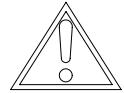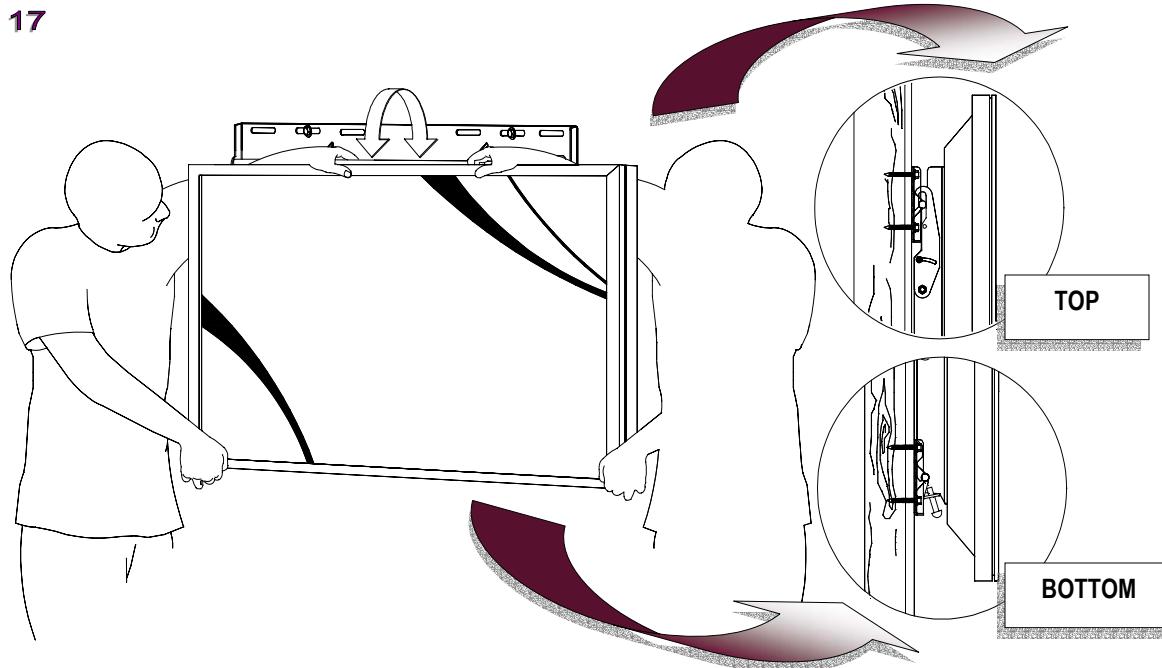
BOTTOM

Step 18

Make any lateral shift adjustment and lock it by tightening the two (2) M6 x 30 (mm) Phillips screws found on the bottom of the mounting brackets.
CAUTION: Do not over tighten the M6 screws to the rods.
See figure 18

Figure 18

Lateral shift

M6 x 30 Lateral shift screw
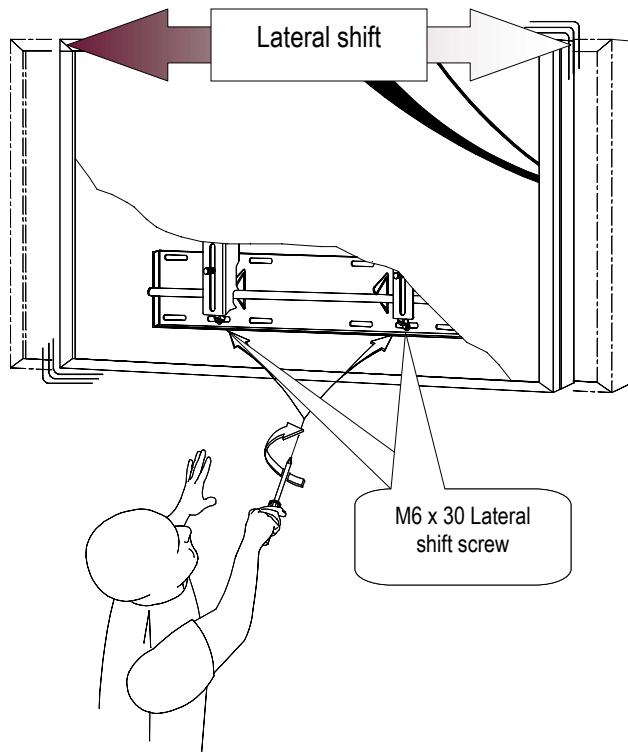
Lateral shift adjustment

Step 19

Tilt the flat panel and secure the two (2) M6 x 12 (mm) safety knobs to each of the mounting brackets.
See figure 19.

Figure 19

M6 x 12
Safety knobs
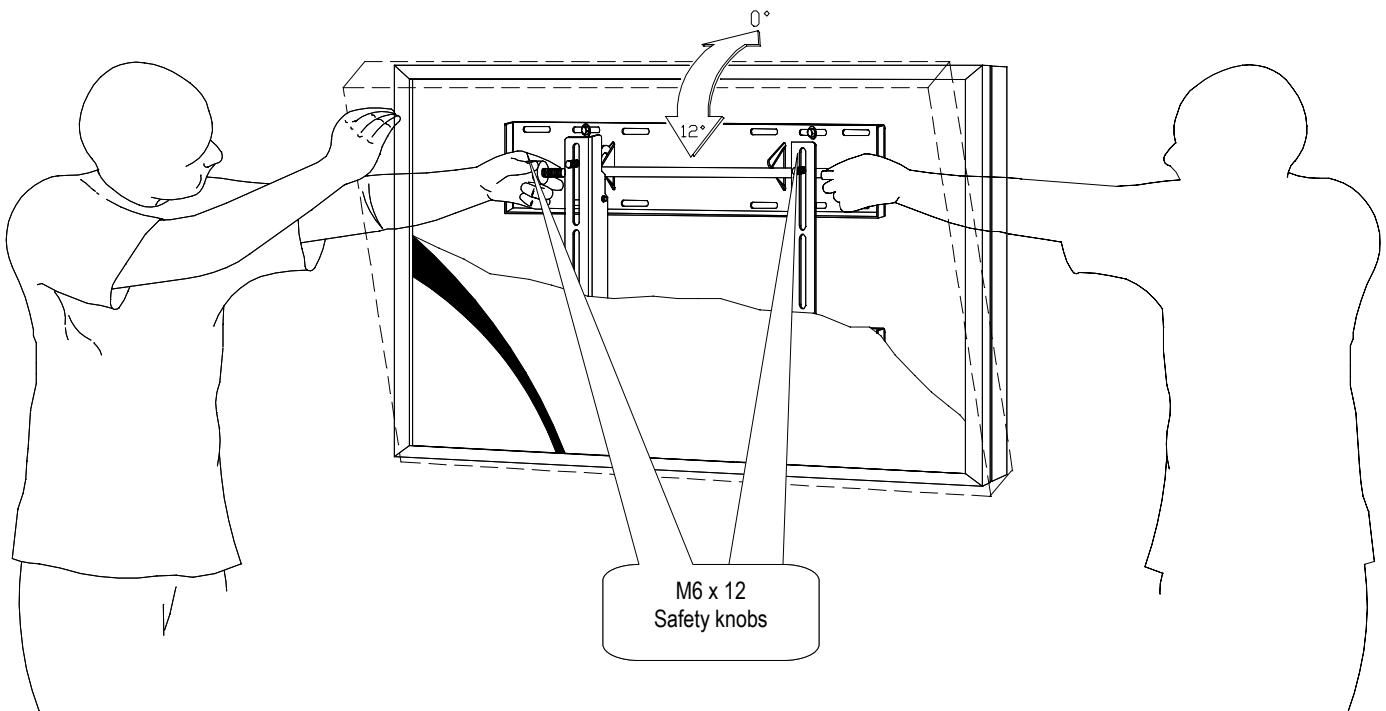
NOTE: To remove the display from the wall simply extend the display to its maximum tilt range, remove the two 6 (mm) safety knurl knobs push the flat panel back to it's flat position loosen or remove the two (2) M6 x 30 lateral shift screws and lift the unit of the wall.