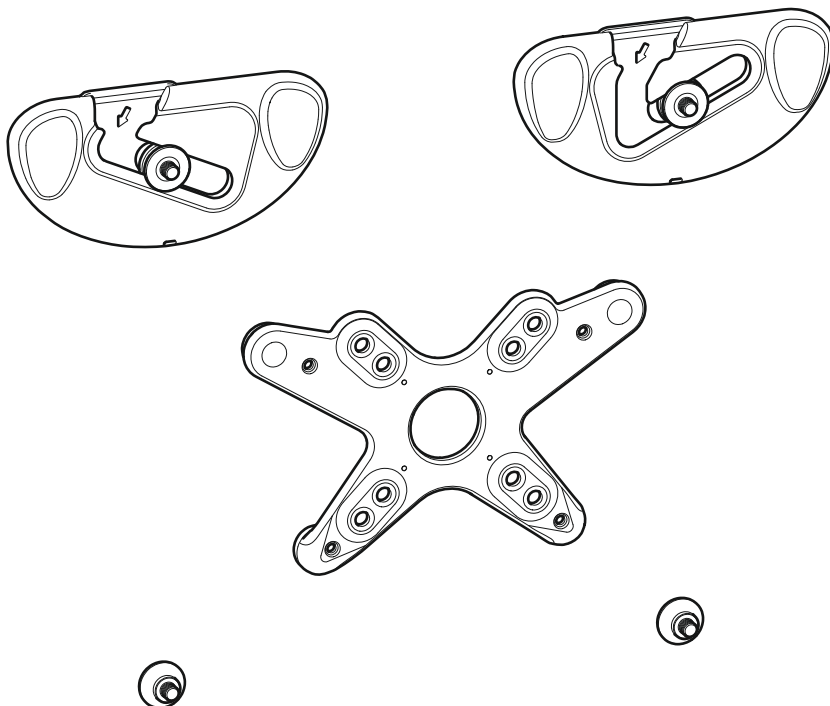


**465161 rev00** ##



**Read through ALL instructions before commencing installation.**

**If you have any questions about this product or issues with installation contact the customer services help line before returning this product to the store.**

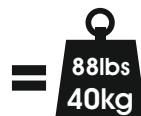
**See [www.avfgroup.com/unimax](http://www.avfgroup.com/unimax) for instruction video.**

**CUSTOMER SERVICES HELP LINE NUMBER:**

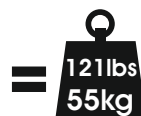
**+44 (0)1952 670009 (UK)**

**1-800 667 0808 (USA)**

TVs up to



TVs up to



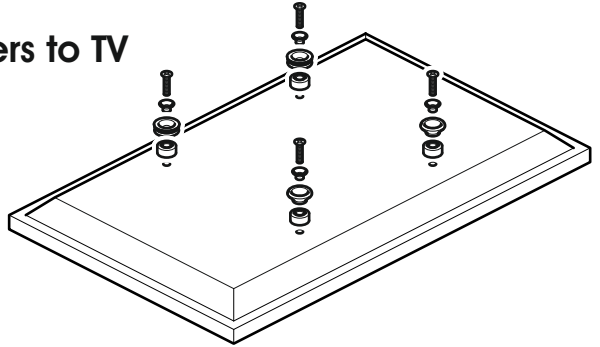
**AVF Group Ltd.** Hortonwood 30, Telford, Shropshire, TF1 7YE, England

**AVF Incorporated** 3187, Cornerstone Drive, Eastvale, CA 91752, USA

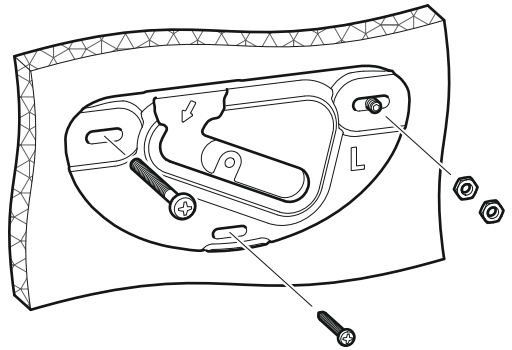
[www.avfgroup.com](http://www.avfgroup.com)

## Assembly Overview

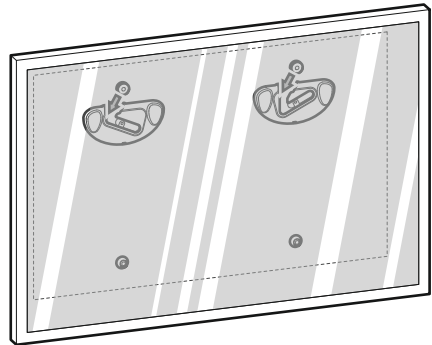
### Fit Screen Adaptor / Hangers to TV



### Fitting the Wall Bracket



### Hanging the TV



Retain all packaging in case the bracket needs to be returned.

Contents may vary from photography/ Illustrations.

You will not need all these parts, so expect there to be some left over depending upon the specification of your TV.

This product is intended for indoor use only. Use of this product outdoors could lead to failure and personal injury.

It is the responsibility of the installer to ensure that the mounting wall is of a suitable standard and void of any services (eg gas, electricity, water etc).

AVF accept no responsibility for any damage or loss caused by installing this product in a sub standard wall.

## Index

- 1** Measure the TV fixing holes Width and Height

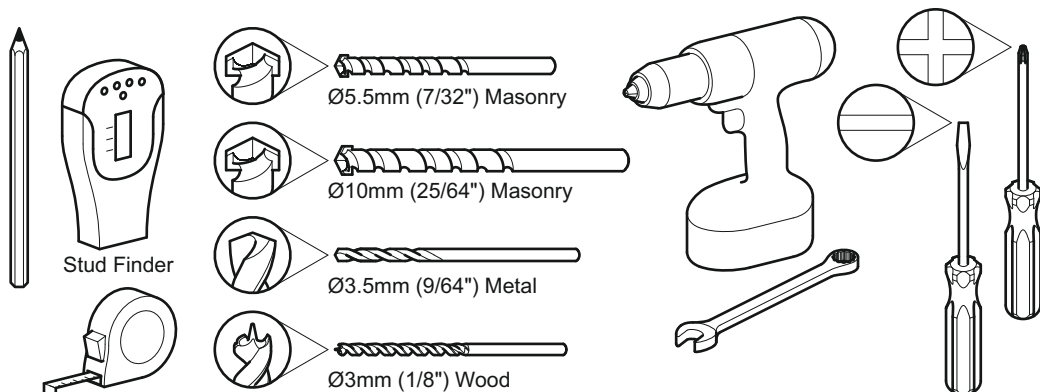
### Adaptor Required

- 2** Fit Adaptor to TV
- 3** Assemble Positioning Template
- 4** Determine Bracket Hole Centres
- 5** Marking Wall For Drill Points
- 6** Fitting the Wall Bracket
- 7** Fitting the Wall Bracket Covers
- 8** Hanging the TV

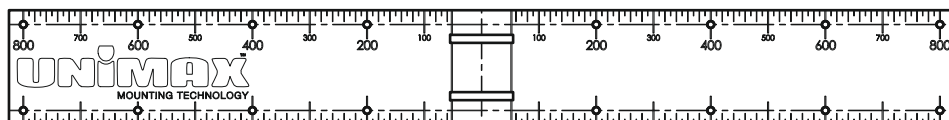
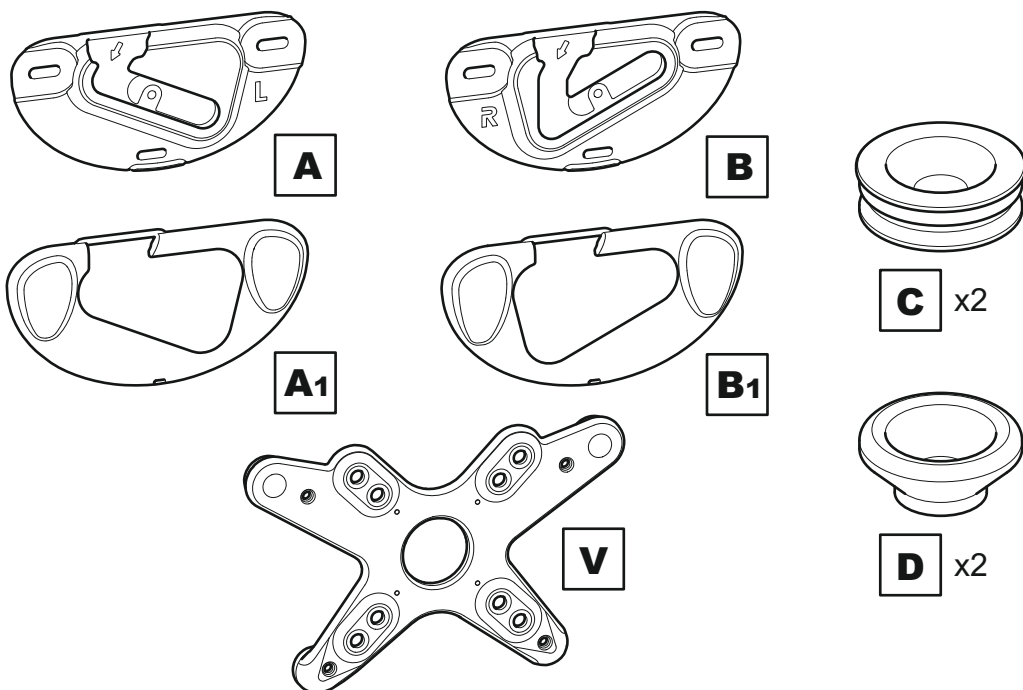
### No Adaptor Required

- 9** Fit Screen Hangers to TV
- 10** Assemble Positioning Template
- 11** Determine Bracket Hole Centres
- 12** Marking Wall For Drill Points
- 13** Fitting the Wall Bracket
- 14** Fitting the Wall Bracket Covers
- 15** Hanging the TV

## Tools Recommended



## Boxed Parts



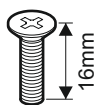
**U1**

**U2**



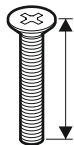
# TV Screws, Reducers and Spacers

You can only  
use these  
screws with  
Adaptor V



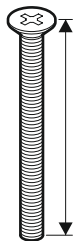
M4

**G1** x4



M4

**G2** x4

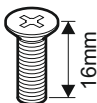


M4

**G3** x4

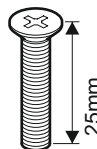


**E1** x12



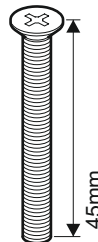
M5

**G4** x4



M5

**G5** x4

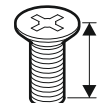


M5

**G6** x4

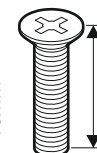


**E2** x4



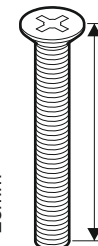
M6

**G7** x4



M6

**G8** x4

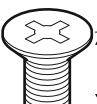


M6

**G9** x4

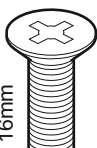


**F1** x4



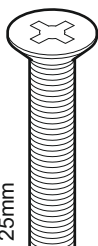
M8

**G10** x4



M8

**G11** x4



M8

**G12** x4



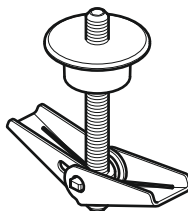
**F2** x4



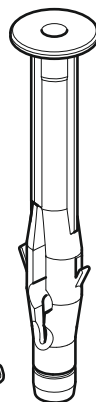
**F3** x4



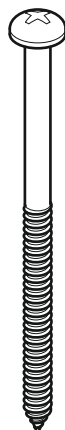
**J** x8



**H** x4



**I** x4



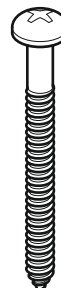
**K** x4



**L** x2



**M** x4



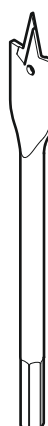
**N** x4



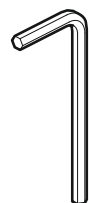
**O** x2



**P** x2



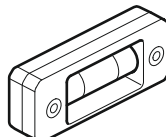
**R**



**S**



**Q** x2



**T**

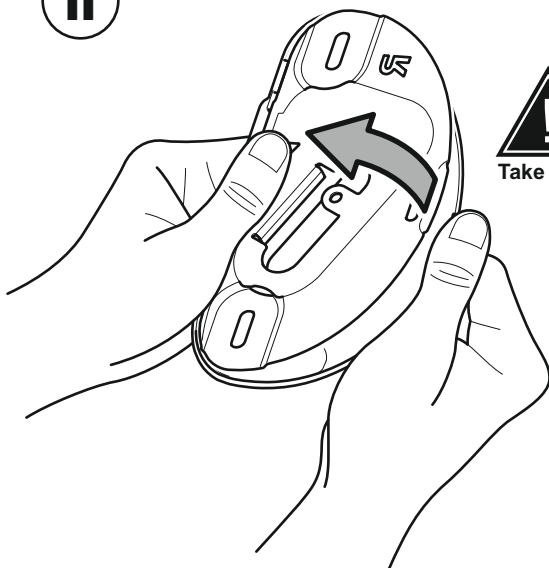
## Remove the Wall Bracket Covers and keep for step 7 or 14

Wall bracket covers **A1** & **B1** are removed in the same way.

i



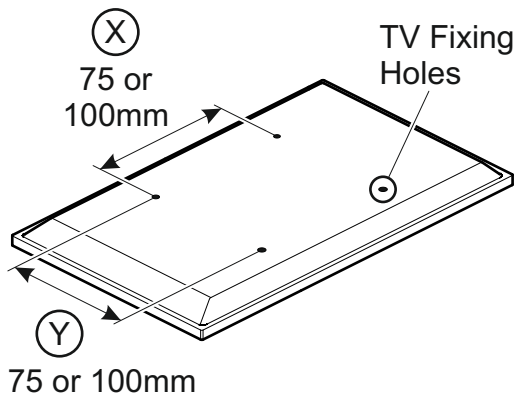
ii



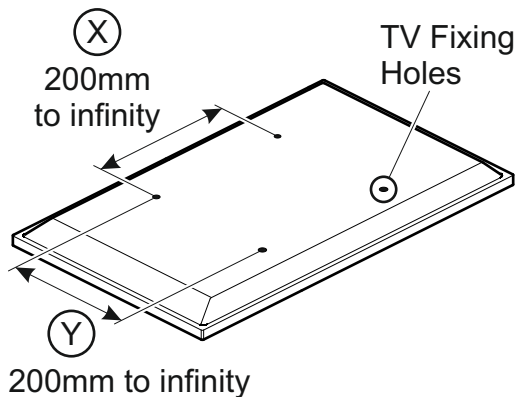
**1**

## Measure the TV fixing holes Width and Height

**Adaptor Required** (X) = 75 or 100mm  
(Y) = 75 or 100mm

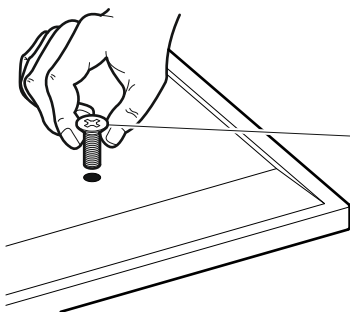


**No Adaptor Required** (X) = 200mm to infinity  
(Y) = 200mm to infinity



If width (X) and height (Y) are not equal to 75mm or 100mm and are less than 200mm, STOP installation now and contact the customer help line

You are provided with 4 diameters of TV fixing screws, **M4**, **M5**, **M6** and **M8**. Determine the screw diameter that fits and remember for step 2 or 9.



**M4 = G1-G3**

**M5 = G4-G6**

**M6 = G7-G9**

**M8 = G10-G12**

## With or Without Adaptor

The width and height of your TV fixing holes will determine if you need to use the adaptor supplied.

**With Adaptor**  
Follow steps 2 - 8



**Without Adaptor**  
Follow steps 9 - 15



## 2

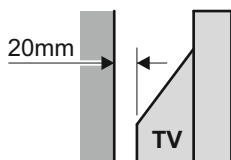
## Fit Adaptor to TV

## With Adaptor

Once you have established which screw diameter you need for your TV you will need to choose which wall spacing you require. Check the back of your TV and use the **OPTION** that fits your TV. Please see page opposite for more details.

### OPTION 1

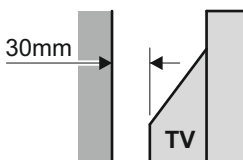
20mm Wall Space



Suitable for TVs with a flat back and no obstructions

### OPTION 2

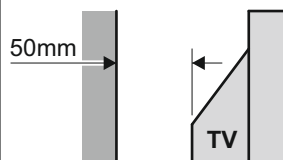
30mm Wall Space



Suitable for TVs with small to medium obstructions eg power supply, mouldings etc

### OPTION 3

50mm Wall Space



Suitable for TVs with large obstructions eg power supply, mouldings etc

### Top Fixings

**G1-G12**

**F1-F3**

If required

**V**

Top

\* If required

**E1**

### Bottom Fixings

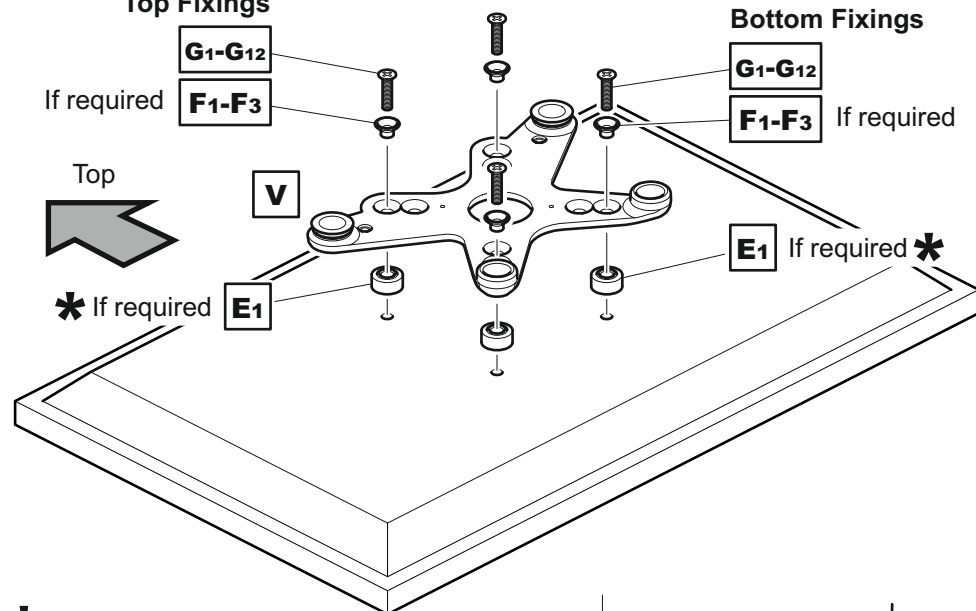
**G1-G12**

**F1-F3**

If required

**E1**

If required \*



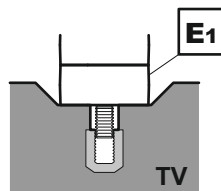
In certain circumstances it may be necessary to use red spacer **E2** as either a replacement or addition to spacer **E1**.

When is it necessary to use red spacers **E2**?

It is recommended that when fitting Adaptor **V** to your TV you have at least 5-10mm of screw engagement. In certain circumstances you may need to use red spacers **E2** as either a replacement, or together with spacers **E1** to achieve this. Whenever you use red spacers **E2** you must use all 4 provided.

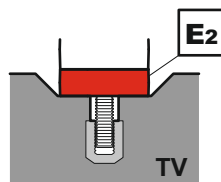
### Problem

Not enough screw engagement



### Solution























Red spacer **E2** has replaced spacer **E1**



**OPTION 1**

20mm Wall Space































**Top Fixings****Bottom Fixings**

M4	M5	M6	M8	M4	M5	M6	M8
 <b>G1</b>	 <b>G4</b>	 <b>G7</b>	 <b>G10</b>	 <b>G1</b>	 <b>G4</b>	 <b>G7</b>	 <b>G10</b>
 <b>F1</b>	 <b>F2</b>	 <b>F3</b>		 <b>F1</b>	 <b>F2</b>	 <b>F3</b>	
 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>

**OPTION 2**

30mm Wall Space















































**Top Fixings****Bottom Fixings**

M4	M5	M6	M8	M4	M5	M6	M8
 <b>G2</b>	 <b>G5</b>	 <b>G8</b>	 <b>G11</b>	 <b>G2</b>	 <b>G5</b>	 <b>G8</b>	 <b>G11</b>
 <b>F1</b>	 <b>F2</b>	 <b>F3</b>		 <b>F1</b>	 <b>F2</b>	 <b>F3</b>	
 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>

**OPTION 3**

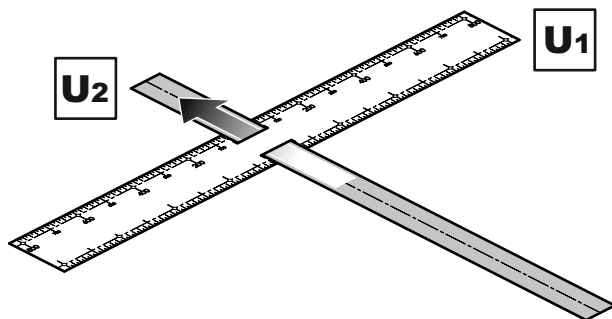
50mm Wall Space

**Top Fixings****Bottom Fixings**

M4	M5	M6	M8	M4	M5	M6	M8
 <b>G3</b>	 <b>G6</b>	 <b>G9</b>	 <b>G12</b>	 <b>G3</b>	 <b>G6</b>	 <b>G9</b>	 <b>G12</b>
 <b>F1</b>	 <b>F2</b>	 <b>F3</b>		 <b>F1</b>	 <b>F2</b>	 <b>F3</b>	
 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>	 <b>V</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>

## Assemble Positioning Template

## With Adaptor

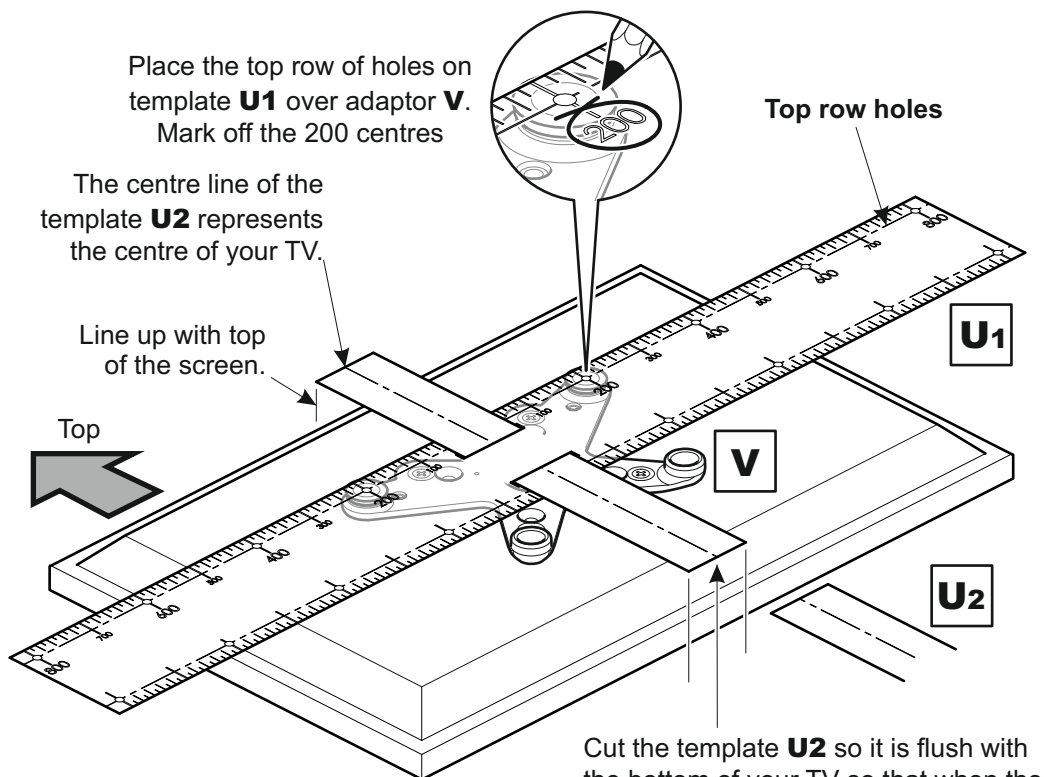


## 4

## Determine Bracket Hole Centres

## With Adaptor

Lay the template on the back of the TV and follow the instructions below.

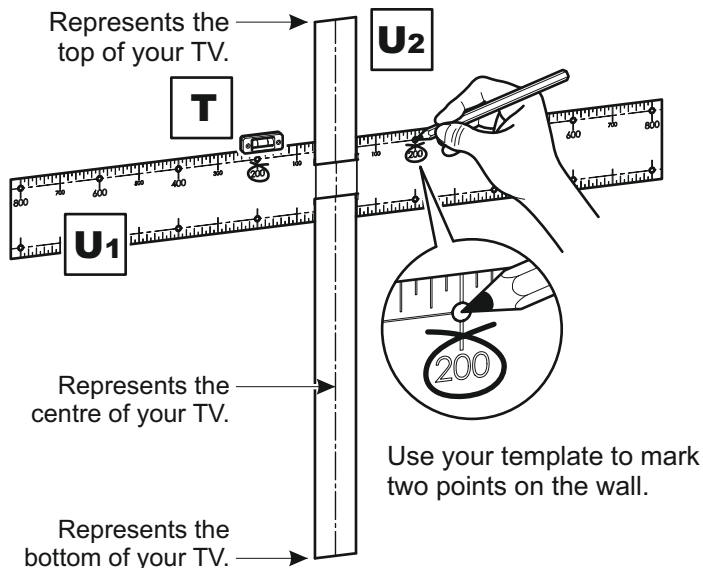


Cut the template **U2** so it is flush with the bottom of your TV so that when the template is on the wall you can see exactly where your TV will be vertically (distance from the floor and ceiling).

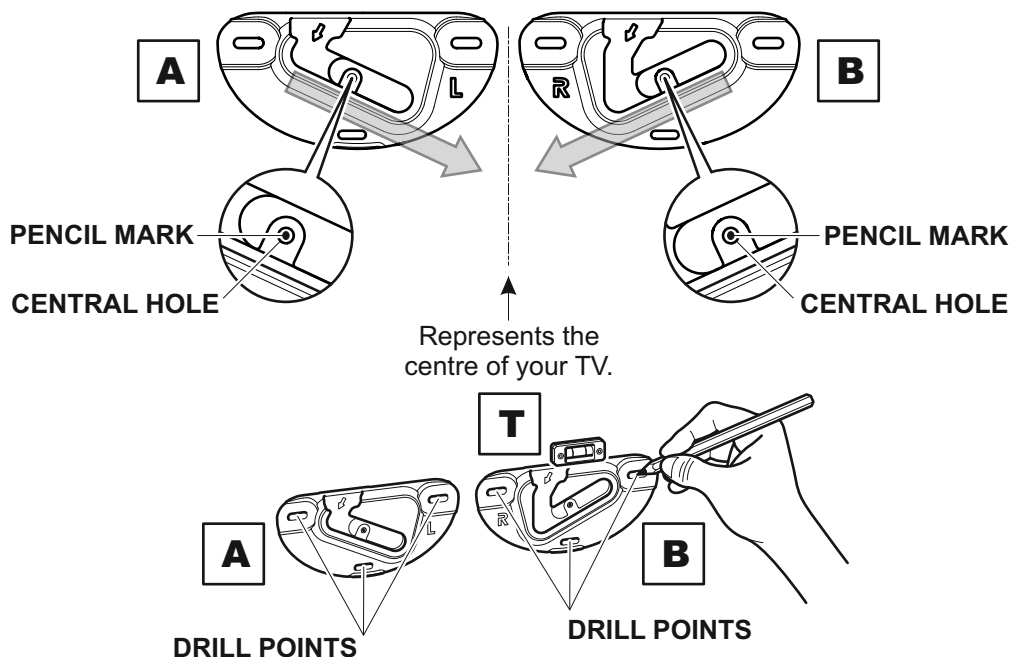
## 5 Marking Wall For Drill Points

With Adaptor

Before marking the wall, determine the wall type that you have (i.e. Solid Wall/ Dot & Dab/ Plasterboard/ Wood Stud/Metal Stud). Ensure the drilling area is free from mains services (Gas/Electric/Water).



Next, use the Wall Brackets **A** and **B** as a template and position them over the appropriate **PENCIL MARKS** you have made, so that the mark is in the middle of the **CENTRAL HOLE** of the Wall Bracket. Ensure the bracket is level and mark the three **DRILL POINTS** with a pencil. Repeat for other bracket. Drill six 3mm pilot holes and select appropriate fixings (see section 6)



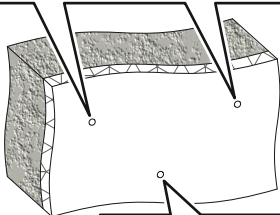
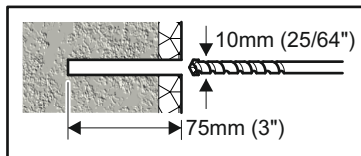
# 6

## Fitting the Wall Bracket

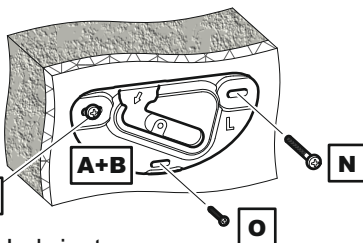
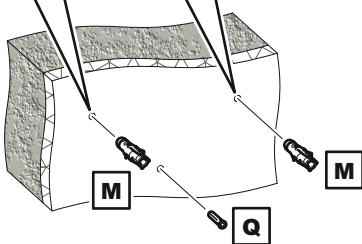
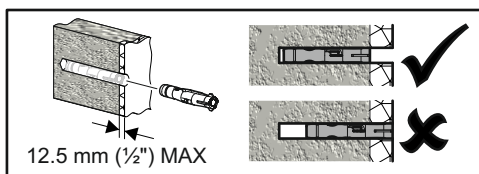
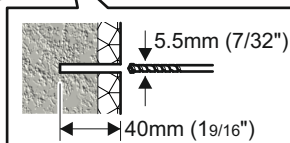
## With Adaptor

Use the correct fixings for your wall type. Mixing fixing screws may be required for installations that span different wall types. **DO NOT OVER TIGHTEN SCREWS.**

### Solid Wall

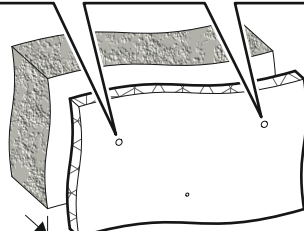
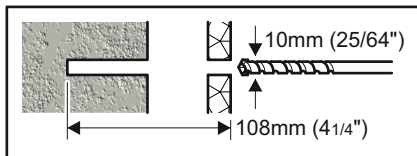


Remove dust from holes



Lubricate screw thread with soap

### Dot & Dab

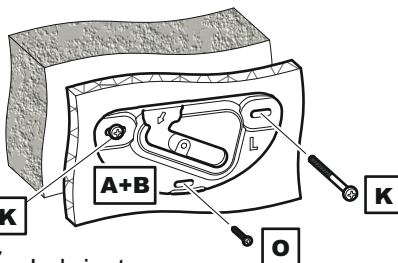
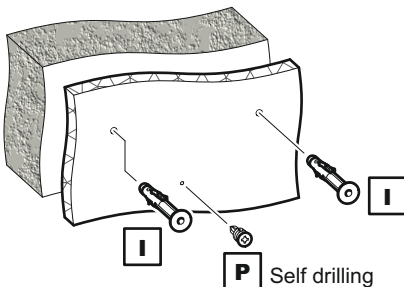


\* 40mm (1 9/16 inch) MAX gap

\* If gap is above 40mm (1 9/16 inch) use plasterboard fixing method



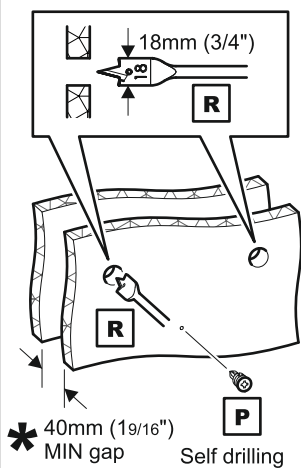
Remove dust from holes



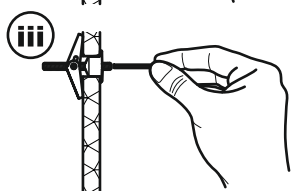
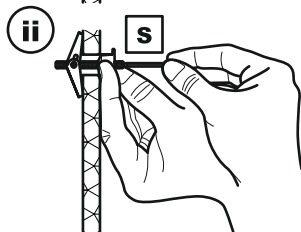
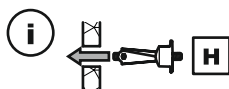
Lubricate screw thread with soap



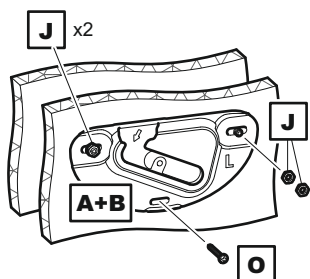
## Plasterboard



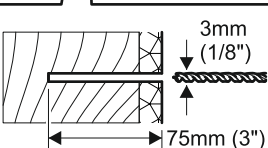
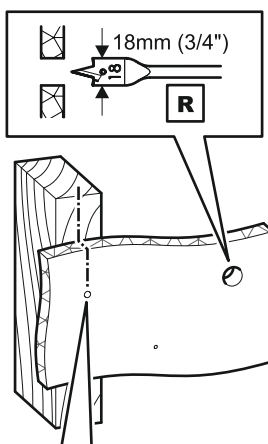
Remove dust from holes



Turn until secure  
do not over tighten

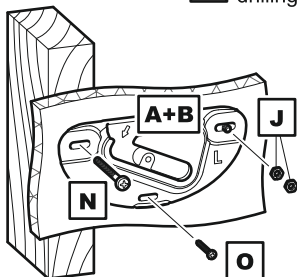
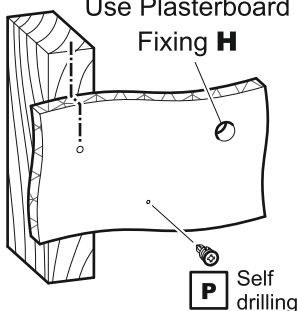


## Wood Stud



Ensure hole is in the middle  
of the wood stud

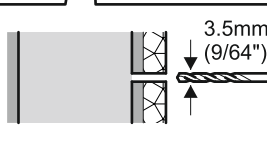
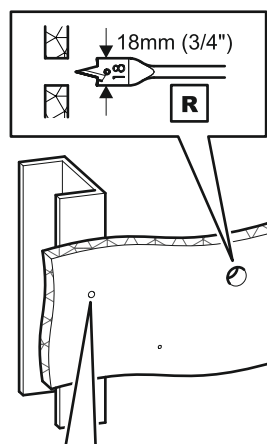
Use Plasterboard  
Fixing **H**



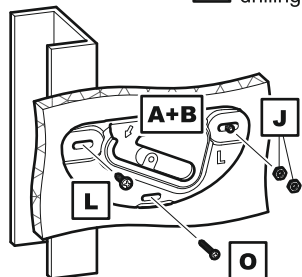
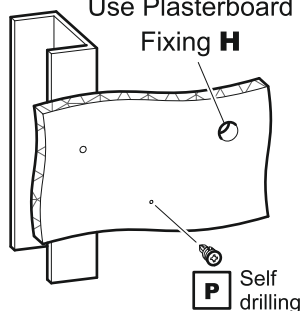
Lubricate screw  
thread with soap

Only one fixing will be in the  
wood stud. The other fixings will  
be in plasterboard (see above)

## Metal Stud



Use Plasterboard  
Fixing **H**



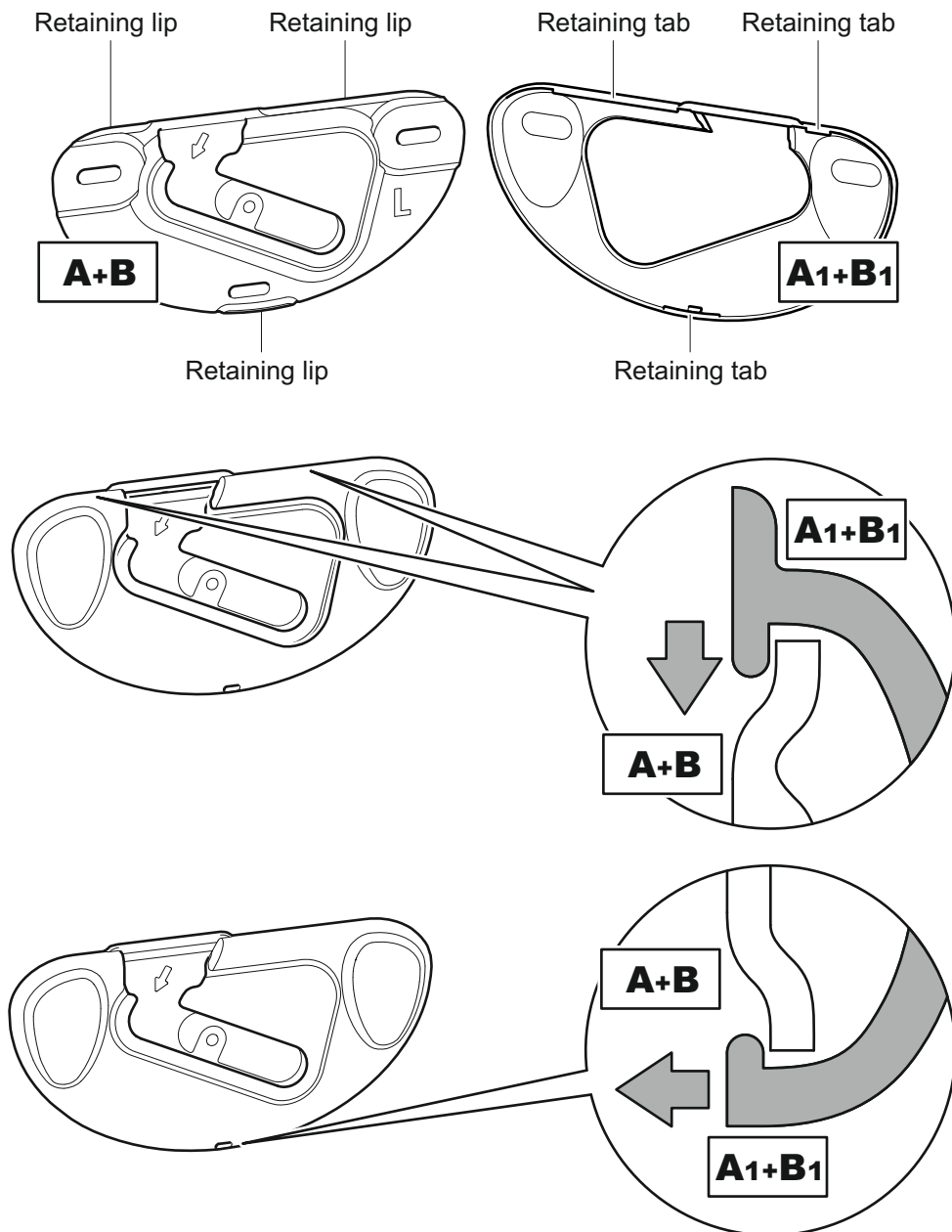
Only one fixing will be in the  
metal stud. The other fixings will  
be in plasterboard (see above)

## 7

## Fitting the Wall Bracket Covers

With Adaptor

On wall bracket covers **A1** & **B1** are 3 retaining tabs. These locate onto 3 retaining lips on wall brackets **A** & **B** and lock the wall bracket covers in position.

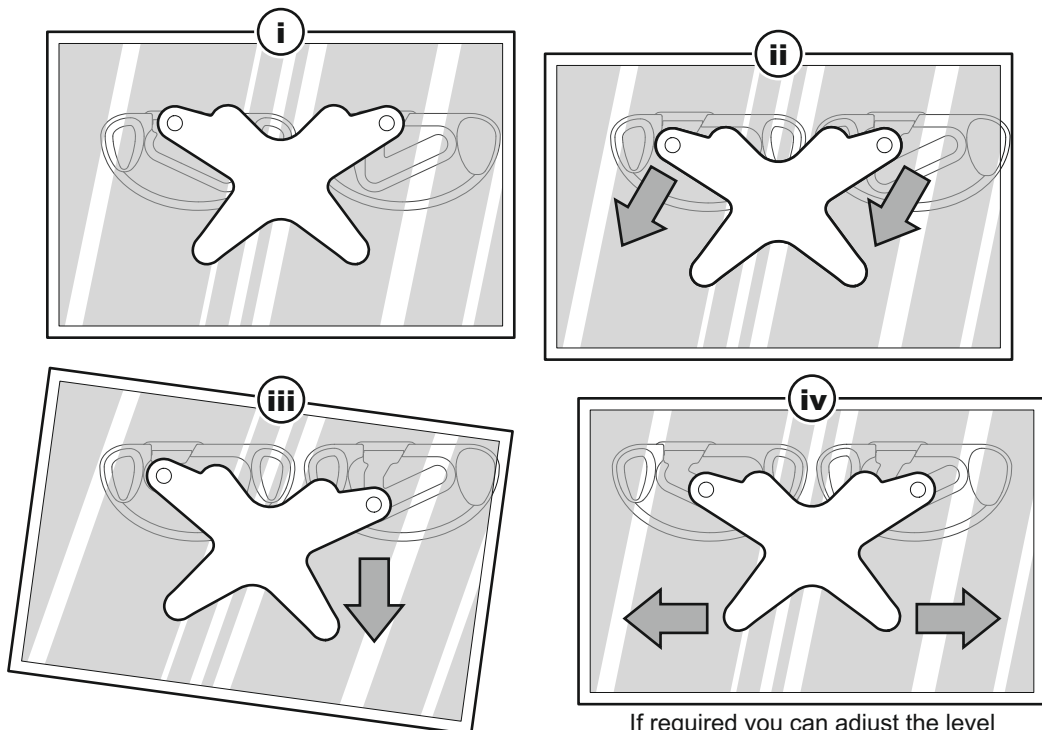
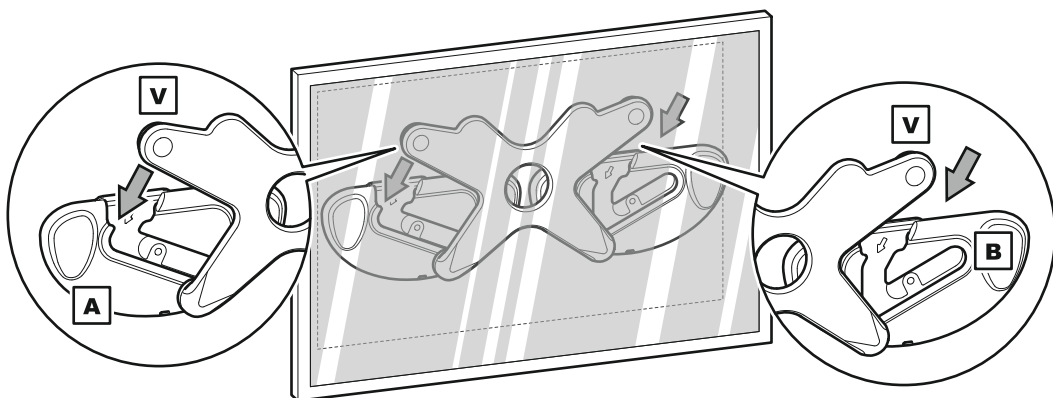


## 8 Hanging the TV

### With Adaptor

**Hanging the TV is a two person job.**

Present adaptor **V** (on the back of the TV) to the opening on brackets **A** & **B**. Slide down and across into place. Ensure adaptor is fully engaged. If cables from the TV prevent the TV resting against the wall then an alternative hanger configuration will be required (see section 2).



If required you can adjust the level of your TV by moving from side to side

### Removing the TV

This is a two person job. To remove the TV reverse the movements as shown above.

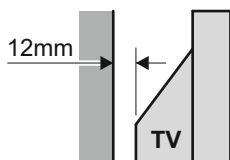
# 9 Fit Screen Hangers to TV

## Without Adaptor

Once you have established which screw diameter you need for your TV you will need to choose which wall spacing you require. Check the back of your TV and use the **OPTION** that fits your TV. Please see page opposite for more details.

### OPTION 1

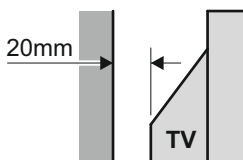
12mm Wall Space



Suitable for TVs with a flat back and no obstructions

### OPTION 2

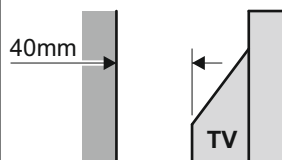
20mm Wall Space



Suitable for TVs with small to medium obstructions eg power supply, mouldings etc

### OPTION 3

40mm Wall Space



Suitable for TVs with large obstructions eg power supply, mouldings etc

### Top Fixings

**G1-G12**

If required **F1-F3**

**C**

\* If required **E1**

Top

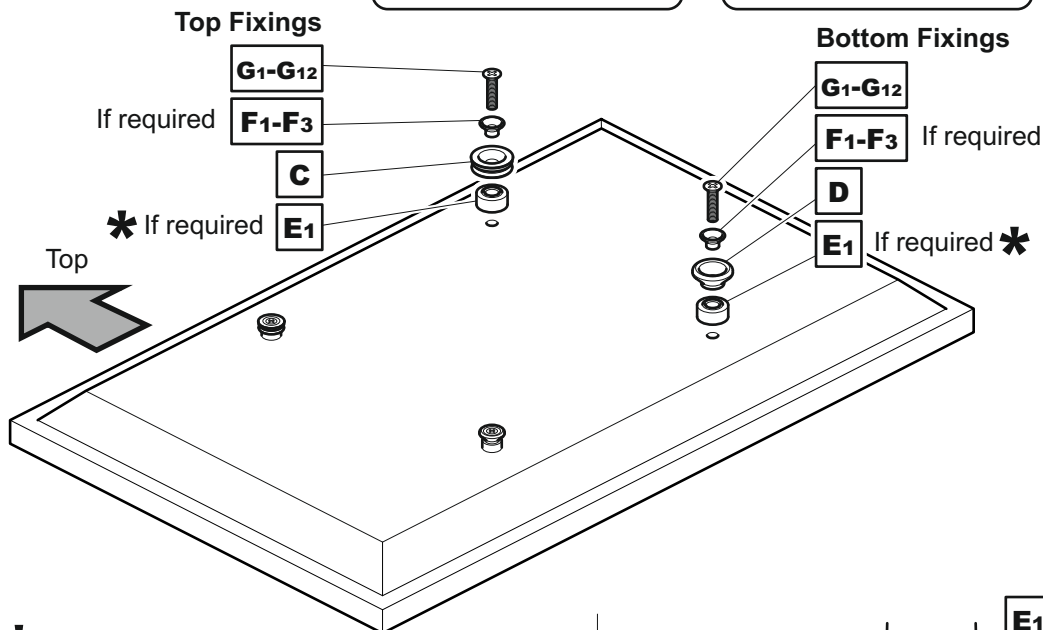
### Bottom Fixings

**G1-G12**

**F1-F3** If required

**D**

**E1** If required \*



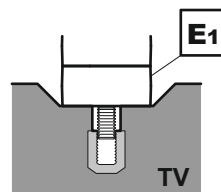
In certain circumstances it may be necessary to use red spacer **E2** as either a replacement or addition to spacer **E1**.

When is it necessary to use red spacers **E2**?

It is recommended that when fitting Hangers **C** and Stand-offs **D** to your TV you have at least 5-10mm of screw engagement. In certain circumstances you may need to use red spacers **E2** as either a replacement, or together with spacers **E1** to achieve this. Whenever you use red spacers **E2** you must use all 4 provided.

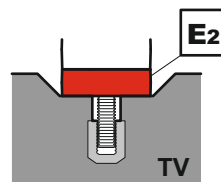
### Problem

Not enough screw engagement



### Solution























Red spacer **E2** has replaced spacer **E1**



**OPTION 1**  
12mm Wall Space

**Top Fixings**

**Bottom Fixings**























M4	M5	M6	M8	M4	M5	M6	M8
 <b>G1</b>	 <b>G4</b>	 <b>G7</b>	 <b>G10</b>	 <b>G1</b>	 <b>G4</b>	 <b>G7</b>	 <b>G10</b>
 <b>F1</b>	 <b>F2</b>	 <b>F3</b>		 <b>F1</b>	 <b>F2</b>	 <b>F3</b>	
 <b>C</b>	 <b>C</b>	 <b>C</b>	 <b>C</b>	 <b>D</b>	 <b>D</b>	 <b>D</b>	 <b>D</b>

**OPTION 2**  
20mm Wall Space

This OPTION is not suitable  
for M4 screws **G1-3**

**Top Fixings**

**Bottom Fixings**


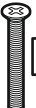
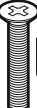































M5	M6	M8	M5	M6	M8
 <b>G5</b>	 <b>G8</b>	 <b>G11</b>	 <b>G5</b>	 <b>G8</b>	 <b>G11</b>
 <b>F2</b>	 <b>F3</b>		 <b>F2</b>	 <b>F3</b>	
 <b>C</b>	 <b>C</b>	 <b>C</b>	 <b>D</b>	 <b>D</b>	 <b>D</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>

**OPTION 3**  
40mm Wall Space

This OPTION is not suitable  
for M4 screws **G1-3**

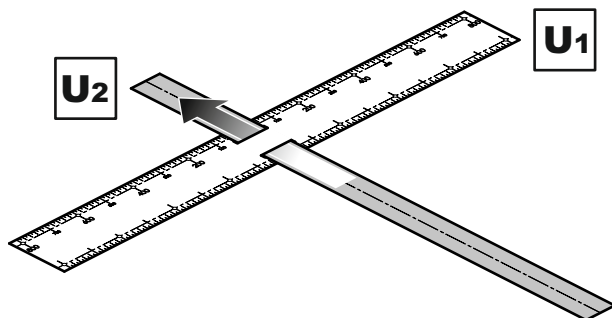
**Top Fixings**

**Bottom Fixings**

M5	M6	M8	M5	M6	M8
 <b>G6</b>	 <b>G9</b>	 <b>G12</b>	 <b>G6</b>	 <b>G9</b>	 <b>G12</b>
 <b>F2</b>	 <b>F3</b>		 <b>F2</b>	 <b>F3</b>	
 <b>C</b>	 <b>C</b>	 <b>C</b>	 <b>D</b>	 <b>D</b>	 <b>D</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>
 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>	 <b>E1</b>

## 10 Assemble Positioning Template

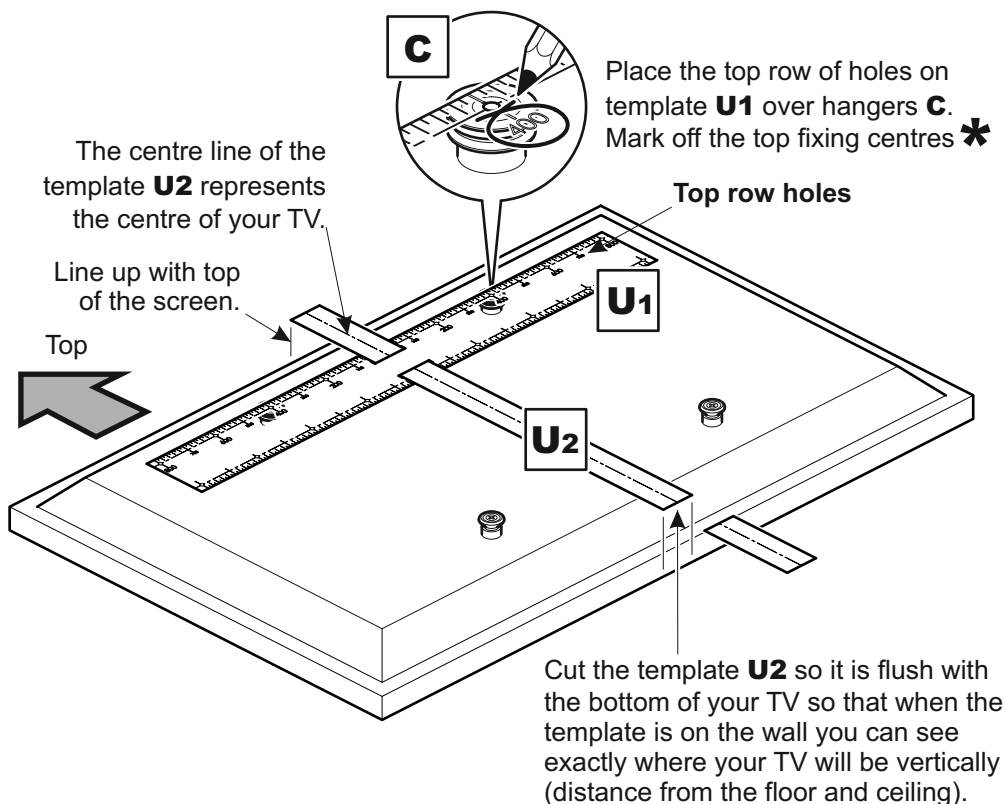
Without Adaptor



## 11 Determine Bracket Hole Centres

Without Adaptor

Lay the template on the back of the TV and follow the instructions below.

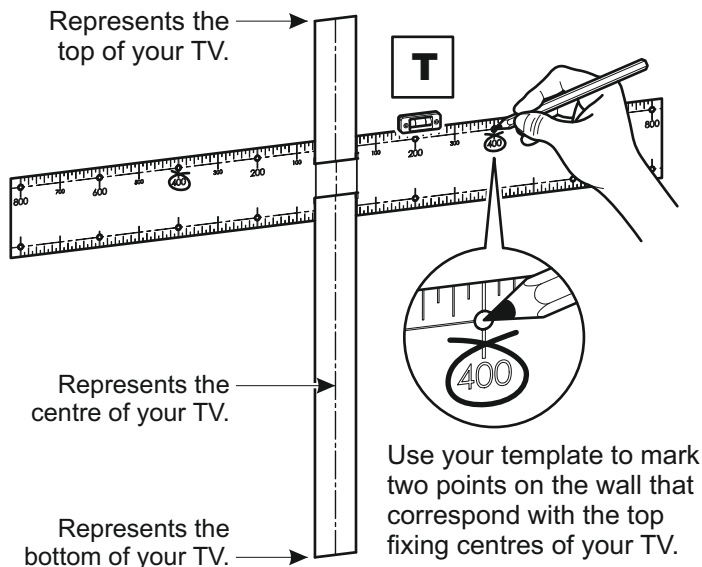


\* If hangers **C** do not line up with any holes on the template then ensure template is firmly in position and punch 2 holes to match your top fixing centers with a pencil or sharp object.

## 12 Marking Wall For Drill Points

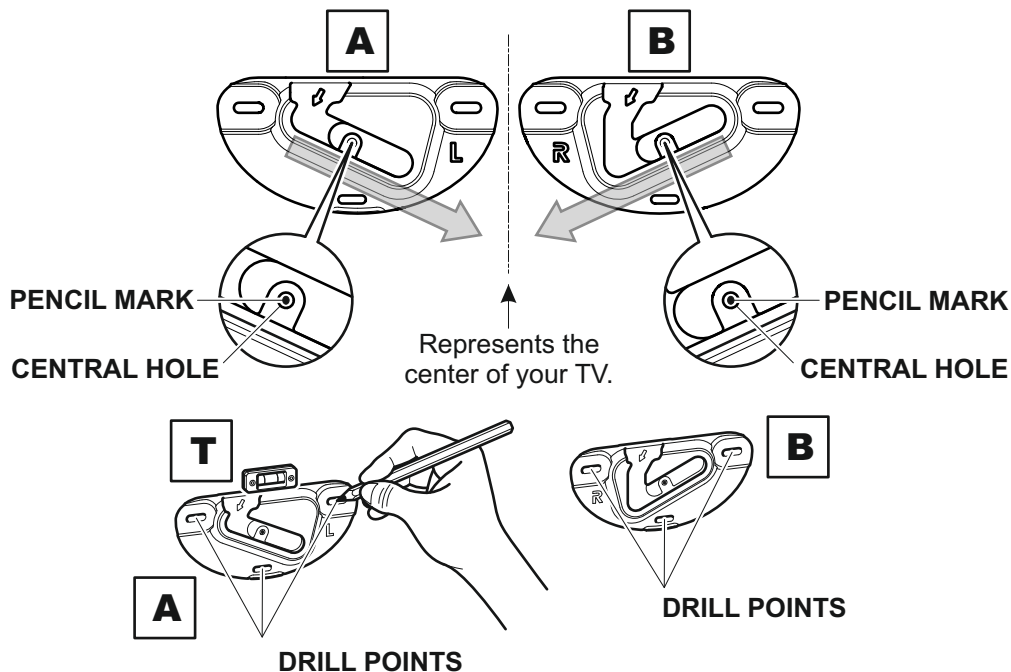
Without Adaptor

Before marking the wall, determine the wall type that you have (i.e. Solid Wall/ Dot & Dab/ Plasterboard/ Wood Stud/Metal Stud). Ensure the drilling area is free from mains services (Gas/Electric/Water).



Next, use the Wall Brackets **A** and **B** as a template and position them over the appropriate **PENCIL MARKS** you have made, so that the mark is in the middle of the **CENTRAL HOLE** of the Wall Bracket. Ensure the bracket is level and mark the three **DRILL POINTS** with a pencil. Repeat for other bracket.

Drill six 3mm pilot holes and select appropriate fixings (see section 13)

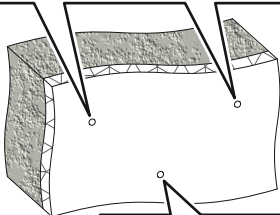
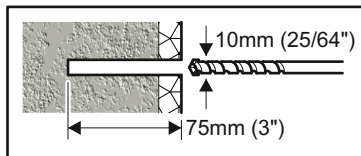


# 13 Fitting the Wall Bracket

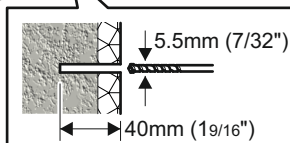
## Without Adaptor

Use the correct fixings for your wall type. Mixing fixing screws may be required for installations that span different wall types. **DO NOT OVER TIGHTEN SCREWS.**

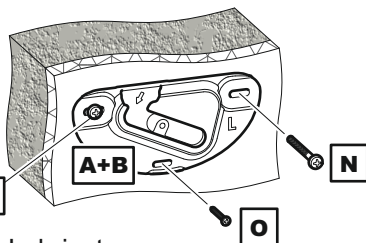
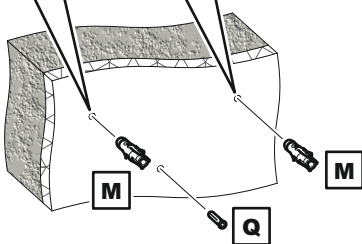
### Solid Wall



Remove dust from holes

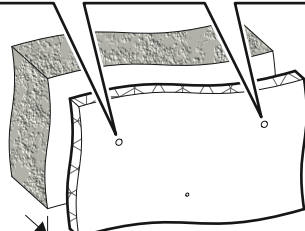
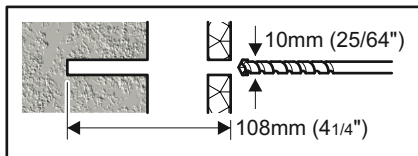


12.5 mm (1/2") MAX



Lubricate screw thread with soap

### Dot & Dab

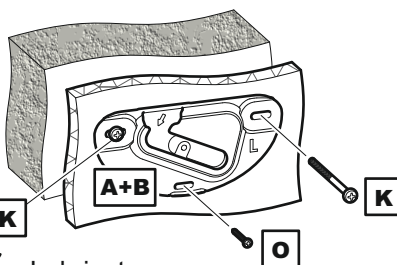
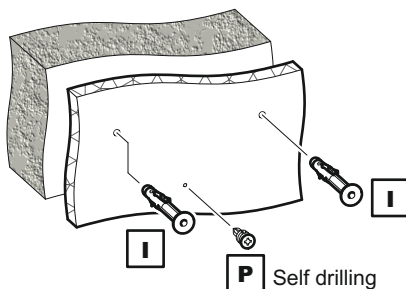


\* 40mm (1 9/16") MAX gap

\* If gap is above 40mm (1 9/16") use plasterboard fixing method



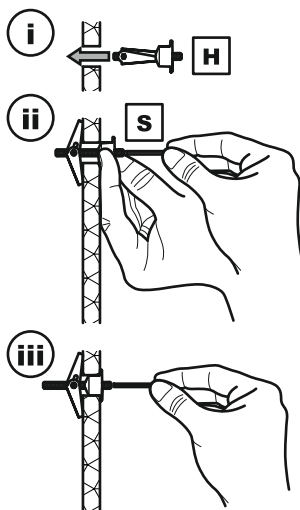
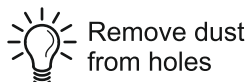
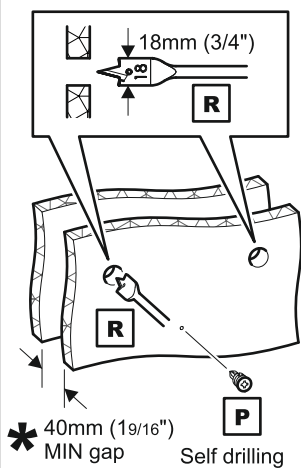
Remove dust from holes



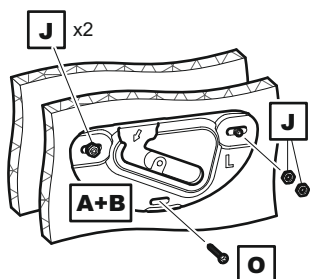
Lubricate screw thread with soap



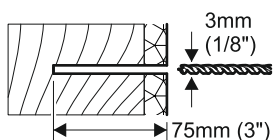
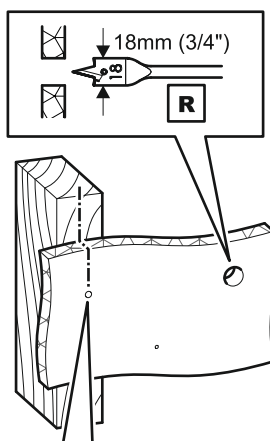
## Plasterboard



Turn until secure  
do not over tighten

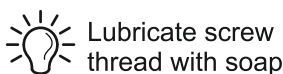
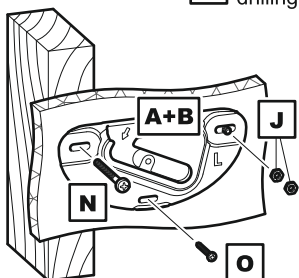
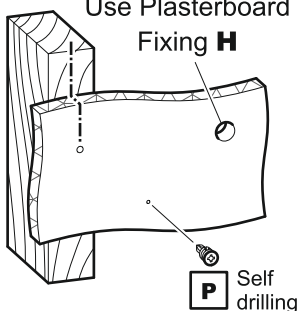


## Wood Stud



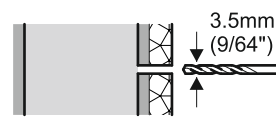
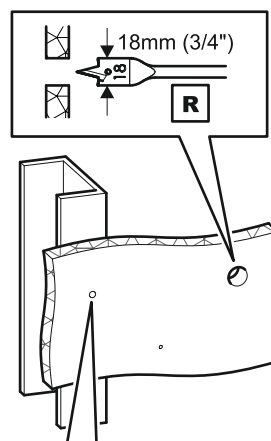
Ensure hole is in the middle  
of the wood stud

Use Plasterboard  
Fixing **H**

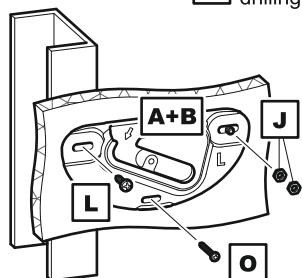
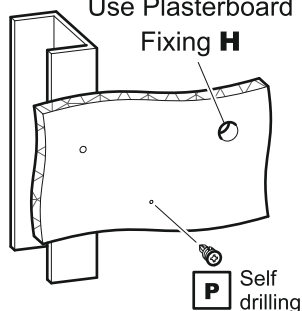


Only one fixing will be in the  
wood stud. The other fixings will  
be in plasterboard (see above)

## Metal Stud



Use Plasterboard  
Fixing **H**

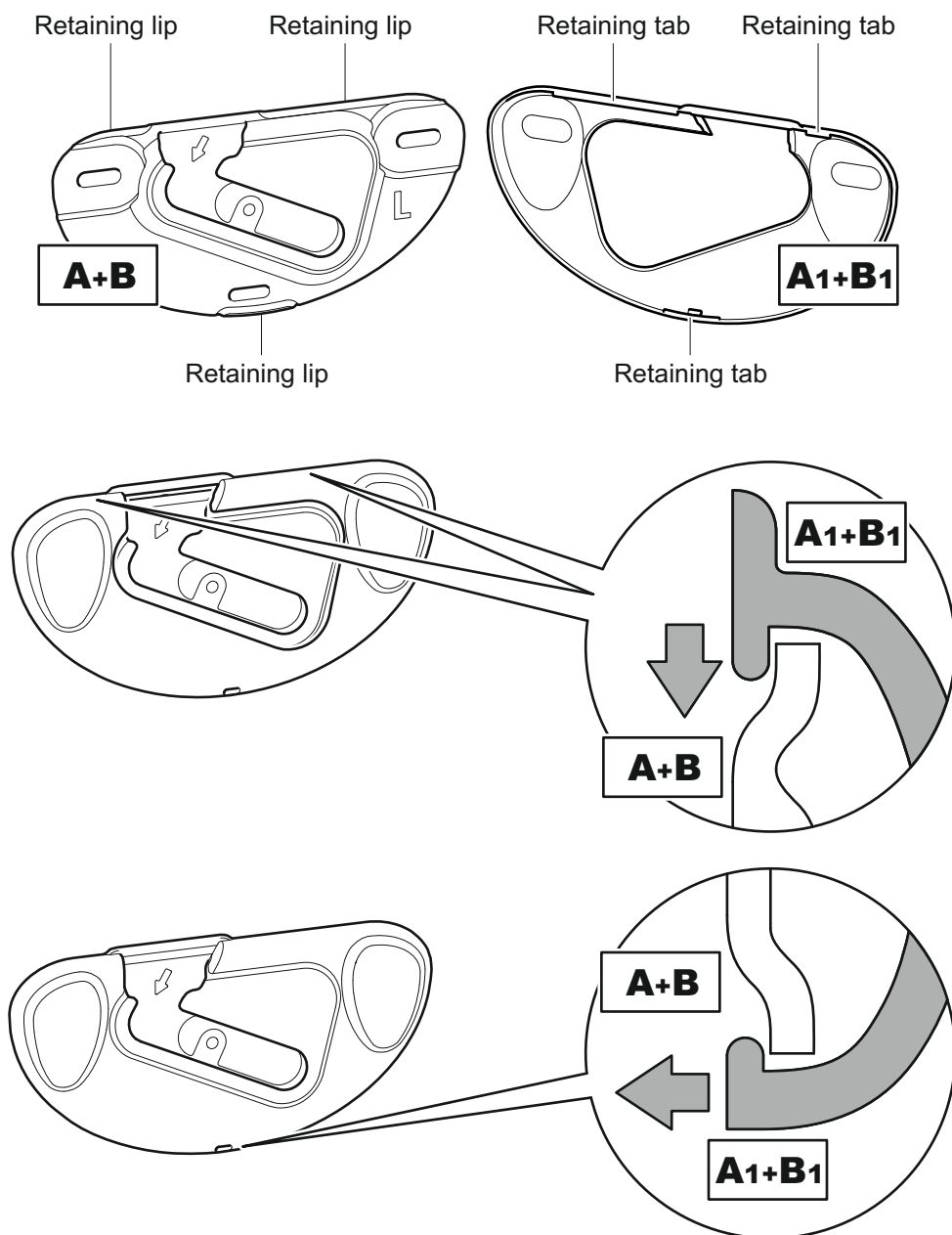


Only one fixing will be in the  
metal stud. The other fixings will  
be in plasterboard (see above)

# 14 Fitting the Wall Bracket Covers

Without Adaptor

On wall bracket covers **A1** & **B1** are 3 retaining tabs. These locate onto 3 retaining lips on wall brackets **A** & **B** and lock the wall bracket covers in position.



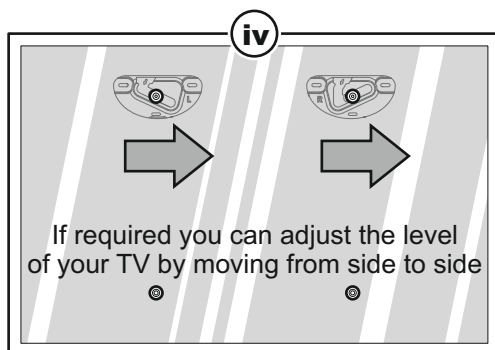
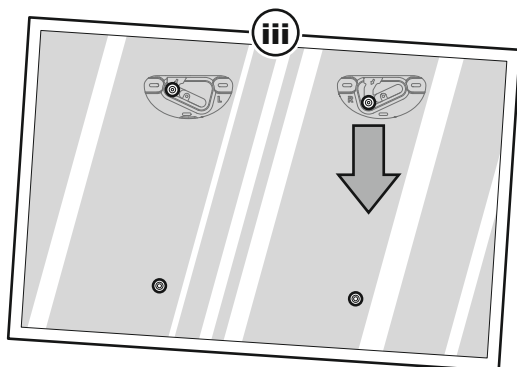
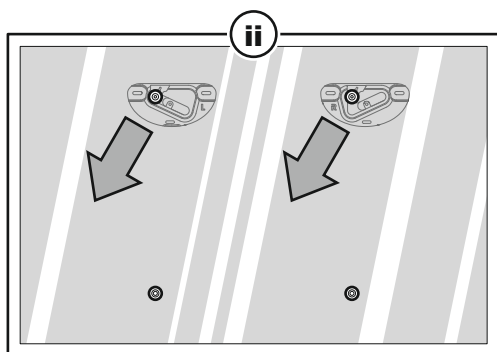
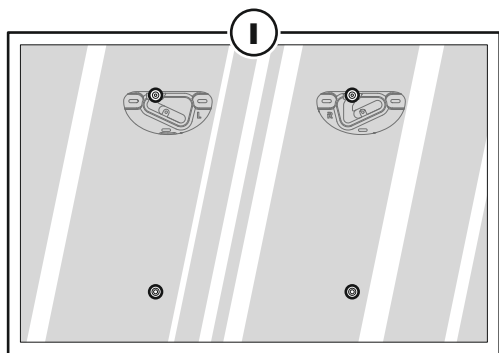
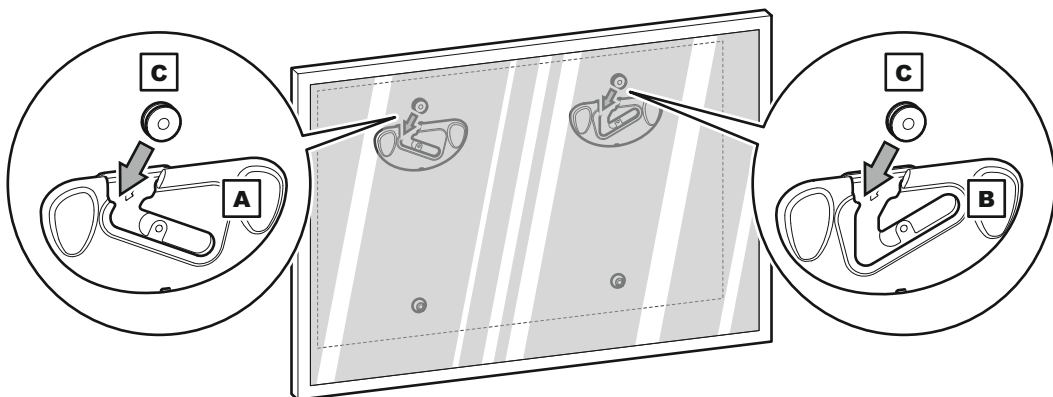
# 15 Hanging the TV

## Without Adaptor

**Hanging the TV is a two person job.**

Present hangers **C** (on the back of the TV) to the opening on brackets **A** & **B**. Slide down and across into place. Ensure both hangers are fully engaged. If cables from the TV prevent the TV resting against the wall then an alternative hanger configuration will be required (see section 9).

TV must be parallel to wall. Use spacers / stand-offs as shown in section 9.



### Removing the TV

This is a two person job. To remove the TV reverse the movements as shown above.

## Removing the Wall Bracket Covers

Should you want to remove the wall bracket covers please follow the steps below.

