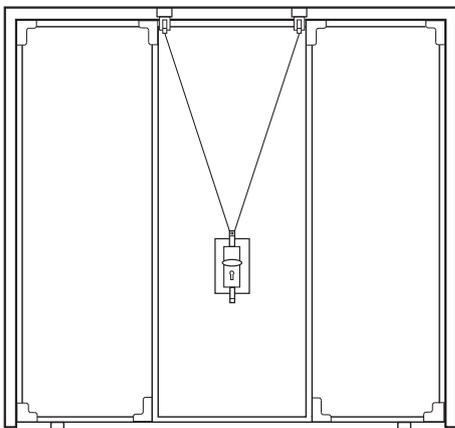




Garage Door

fitting instructions

Unframed Tracked Fitting Instructions V2.2



Warning!

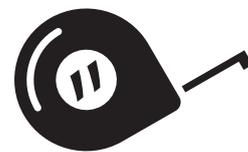


Garage doors are under extreme pressure from the spring system and a poorly installed frame could lead to serious injury if the door comes loose or falls in any way.

Before you start!

Measure

Measure the timber frame opening is the advertised size of the door, for instance if you have purchased a 7'x7' door then the internal frame opening should be 7'x7' as the door is delivered slightly smaller to give opening tolerances. Check the frame is square and check there is the space inside the garage to ensure the door will not be impeded by anything in the garage.



Frame Requirement

This door is ready to install to your timber frame (not supplied). This must be a minimum 60mm square (ideal size 70mm square). It must also be sound and free from any rot, splits or damage.

Pack Contents

1x fitting pack containing:

8x M8 Coach screws hex head	2x top spring hooks
8x M6 Coach screws hex head	16x wood screws
16x M8 washers	2x side seals (black)
3x keys	4/6 springs
1x door	2x top tracks
1x handle pack	2x end stops (black)
2x bottom anchors	2x hanging straps
2x bottom spring hooks	

Tools required for installation:



Screw driver



Pliers



Electric drill



Tape measure



Allen key



Spanner



Spirit Level



Wedge

Safety Equipment



Gloves



Goggles

Wear adequate protection when installing

Handy information:

Caution!



Garage doors are heavy and this item must be installed by two people.

Do not!



Do not allow children to assist in the installation, adjustment, or operation of this door. Garage doors can inflict severe injury if not used correctly.

CE Marked



This door is CE marked and comes with a Europe wide 2 year warranty, limitations apply visit **www.fortdoors.co.uk** and view full terms and conditions.

Warranty



Always ensure the door is correctly adjusted and serviced as failure to do so may invalidate the warranty.

Warning!



Until all parts of the installation are finished, there is a possibility of being locked out, always ensure someone is inside until you have checked the operation of the lock and adjusted as required.

For technical help:

Helpline: 01217 497 977

Email: sales@fortdoors.co.uk

Website: www.fortdoors.co.uk

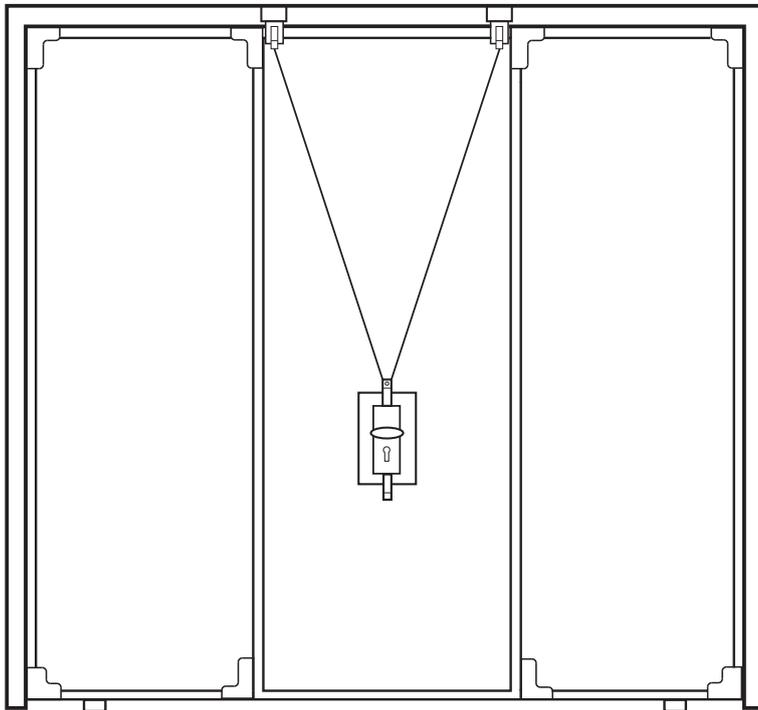
Installation

Offer the door up to the opening (**two persons required**) and wedge in to place, use a spirit level to ensure the overall satisfactory look of the installation and in particular the level of the frame head is correct.



Tip!

It's good to have someone outside for levelling the door, concentrate on the sides as this is the most obvious part if the installation is out of alignment. Ensure that when you stand back the door looks evenly spaced in the hole. Try not to rush this part as its not easy to put right after you have fixed the screws in place.

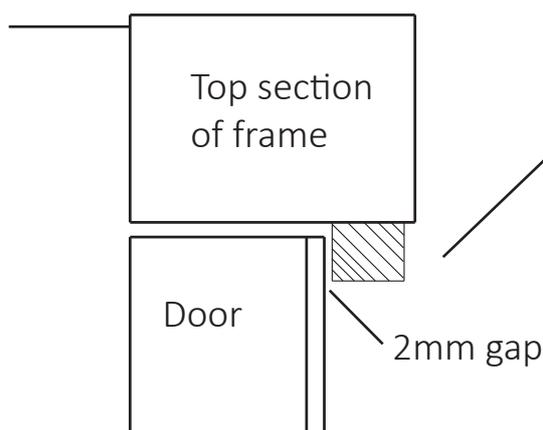


Timber wedges to lift door into correct position.

Look for around 8-10mm per gap all around

Slamming strip

You will need a slamming strip at the front after installation. We recommend you tack on a 1" square piece of timber (not supplied) butted up to the front of the door. This will stop potential attack to the locking points at the top from outside (see picture below).

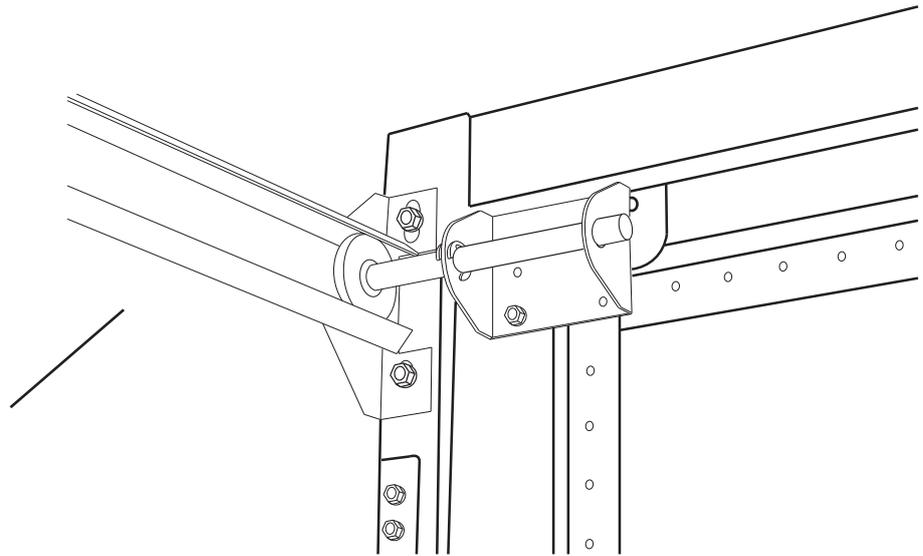


1" square slam strip nailed on the frame the full length of the door at the top with a 2mm gap to the face of the door. If it is too tight the door locks wont engage.

Fix the tracks

Now fix the tracks either side and fix to the back of the frame over the running wheel using 2x 10 mm coach screws.

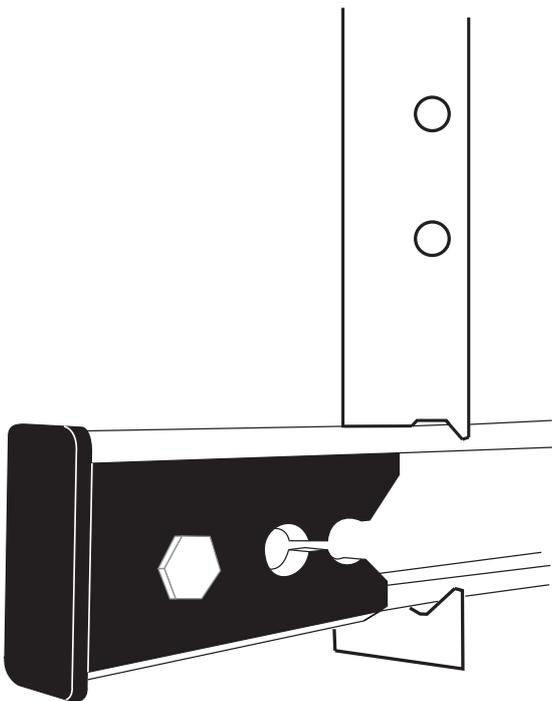
Ensure the tracks are fitted within 5mm of the outer edge of the frame any closer to the door they will foul the pivot blocks as the door opens.



Suspension Straps

Slide the suspension straps over the end of the track end and re fix the plastic stop as shown below.

Suspend the tracks from the roof joists - the suspension straps can be cut if required. When fitted you should have a gentle slope from the door end into the garage. (Down hill no more than around 20mm).

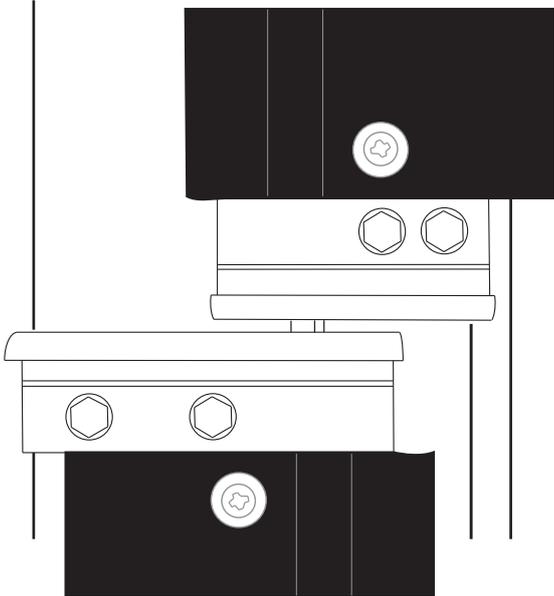


Measure

Measure diagonally across the top of the tracks. From the right hand leg to the back of the left hand track and then from the left hand leg to the back of the right hand track. **The measurements should be the same.** If not, move the tracks until the tracks have the same diagonal measurement.

Fit the weather seals

The black weather seals are the template for installation. They have pre drilled holes for the lifting gear and the seal has a lip that must be flush with the edge of the frame to ensure the rest of the gear works correctly.

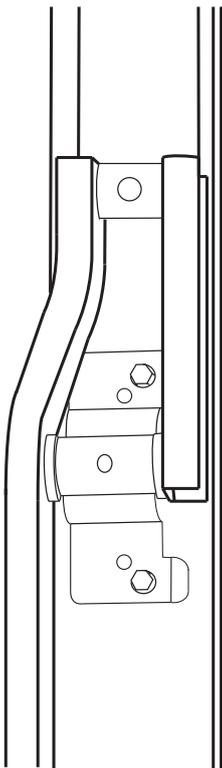


The top weather seal and pivot point will already be fitted to the door panel. Now fit the bottom pivot point as shown using 2x M6 coach screws.

This is designed for a 50mm frame. If you are using a thicker frame you need to adjust the fixing point. You should have a 3mm gap between the two pivot points.

Next, butt the black weather seal up to the underside of the lower pivot point and using the wood screws provided fix to the frame.

Side lifting arms



The side lifting arms are screwed to the door chassis at the top when delivered.

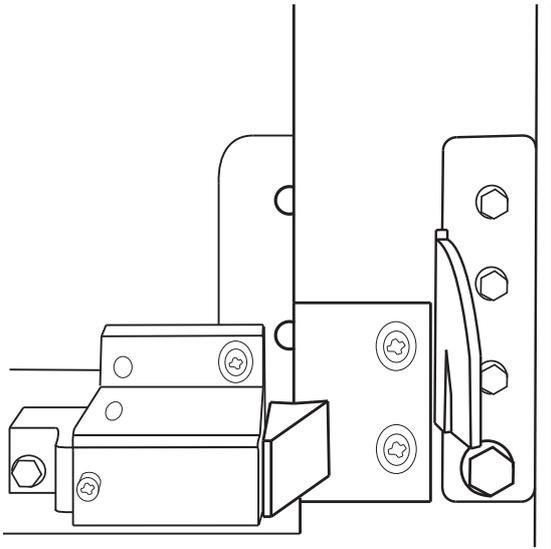
Do not unscrew the lifting arm at the bottom.

Unscrew the arm at the top and move it over to line up with the pre drilled hole in the weather seal.

Using 2x m10mm, (these are the larger coach screws), bolt this into place as shown below.

Bottom spring assembly

The picture below shows the layout of the bottom spring anchor assembly.



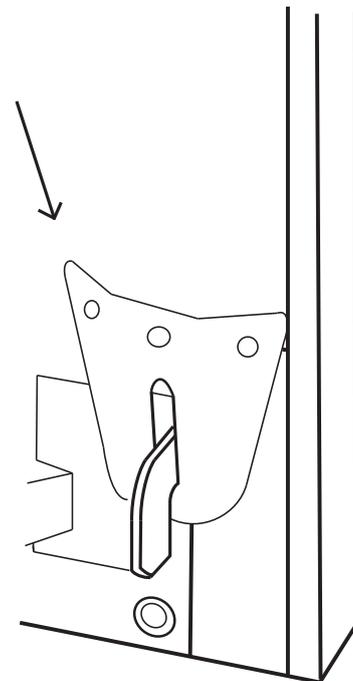
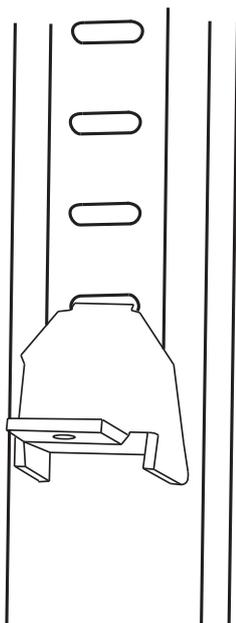
Tip!

The hook will be under extreme pressure and so its very important that the timber is solid with no rot.

Using 1x M10 coach bolt and 3x M6 coach bolts as shown fix the strike plate for the lock using the wood screws as shown.

Spring assembly

Open the door and fit the spring lower and upper anchor points as shown.



Spring assembly

Stretch the springs to hook over the upper anchor point and test the door movement. It should open and close smoothly without being too heavy or fall uncontrollably. If it does then move the upper suspension point higher to stretch the spring further. Bend over the lug on the top spring anchor point to ensure it cannot fall out (use pliers etc to close the lug down). Try the door movement and adjust as required.



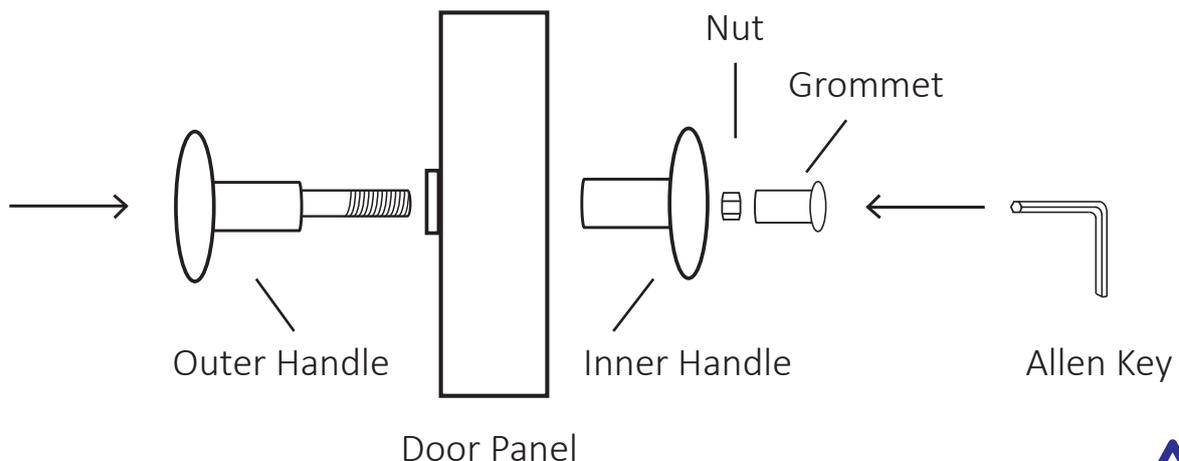
Tip



The top anchor point has 5 slots. This helps with balancing the door. **Up for more tension down for less.** It's very important to get the balance point around waist height without the door moving open or closed under its own steam, it should just hold in this position.

Fitting the outer handle

Fit the outer handle to the outside of the door, fit the inner lock and the moulded fixing using an Alan key and tighten.



Caution!



Only tighten enough to remove play from handle - over tightening can damage the outer panel.

Door commissioning and adjustment

Open the door fully and oil the side runners and the wheels/cables and top latches. **If 4 point locking purchased see separate sheet and fit now.**

Caution!



Check the locking works correctly from the inside by closing the door and opening again. Do not do this from the outside as if adjustment is required you may not be able to open the door again.

Although adjusted in the factory the cables can be disturbed during transport and it is the responsibility of the installer to correct the cables as required. Now oil the tracks / lock and latches and all moving parts – do not grease any part.

Adjustment



If the door is opening too slowly or too quickly adjust the tension on the spring (see spring tension adjustment). **Call the technical helpline on 01217 497 977 for advice** - this element should only be performed by competent persons.

Finish the door frame with trim as required.

Important

Cables



Locking cables and lifting cables are subject to wear and tear and should be examined regularly, tangling of cables through poor maintenance/adjustment does not constitute as a manufacturing defect.

Door maintenance

- Every 3 months you must oil all pivot points with 3 in 1 oil.
- You must check tension of the door - open the door and ensure it holds in place. If it falls, contact your dealer or the helpline for more advice.
- Clean the paint finish and touch up any marks with the correct RAL colour stick available from your dealer.
- **Refer to the door label for more advice.**



EC Declaration of Conformity



We, the Fort Doors company of the United Kingdom, do hereby declare that the building industry product described in the detail below conforms in all respects and meets all requirements if assembled and maintained in accordance with the installation instructions.

Product Fort overhead garage door for manual operation

Standard Industrial, commercial and garage doors and gates -
Product standard - Part 1: Products without fire resistance
or smoke control characteristics.

EN 13241-1

EN 12604 Mechanical aspects - requirements

EN 12605 Mechanical aspects - test procedures

We furthermore declare that the technical documents including test certificates will be made available to the relevant governing authority upon request.

Authorised persons for the compilation and management of the technical documentation:

A handwritten signature in blue ink.

The Directors
Fort Doors
25/06/2013



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