

ROLLER GARAGE DOOR INSTALLATION INSTRUCTIONS

Series A Doors - up to 3710mm wide
Series AA Doors - 3760mm and above

Parts List

Please check that you have all the parts prior to commencing the installation. If any parts are missing, contact your Henderson dealer immediately.

Please Note:

This door can be automated from manual operation.

For remote control doors, these instructions must be read in conjunction with separate Henderson Glidermatic Remote Control instructions.

Please read the instructions carefully as improper fitting may affect the manufacturer's warranty.

SERIES A DOORS

- 2 25mm side tracks
- 2 Mild steel mounting brackets
- 4 50mm coach screws
- 2 U bolts with nuts
- 2 Pressed steel saddles
- 14 Washers
- 6 Fixing lugs
- 6 40mm coach screws
- 1 Handle
- 1* Remote control box
- 1* Steel balance weight bar

SERIES AA DOORS

- 2 50mm side tracks
- 2 Mild steel mounting brackets
- 4 50mm coach screws
- 2 U bolts with nuts
- 2 Cast iron saddles
- 14 Washers
- 6 Fixing lugs
- 6 40mm coach screws
- 4 Gutter bolts
- 2 Nylon guide stop blocks
- 1 Handle
- 1* Remote control box
- 1* Steel balance weight bar
- 1* Heavy duty anchor bracket with steel pin (dual motor doors only)

* Remote control options only

I Preparation

Remove all parts. **THE WRAPPING HOLDING THE DOOR MUST NOT BE CUT AT THIS STAGE.**

The door is positioned inside the opening and overlaps the opening on **each side** by 25mm for series A and 50mm for Series AA doors. A minimum of 75mm is required between the opening and the side wall for Series A doors, 100mm for Series AA.

Before starting the installation, measure both the opening and the door curtain and mark the overlap on the wall to determine the fixing of brackets and guides.

2 Fix the mounting brackets

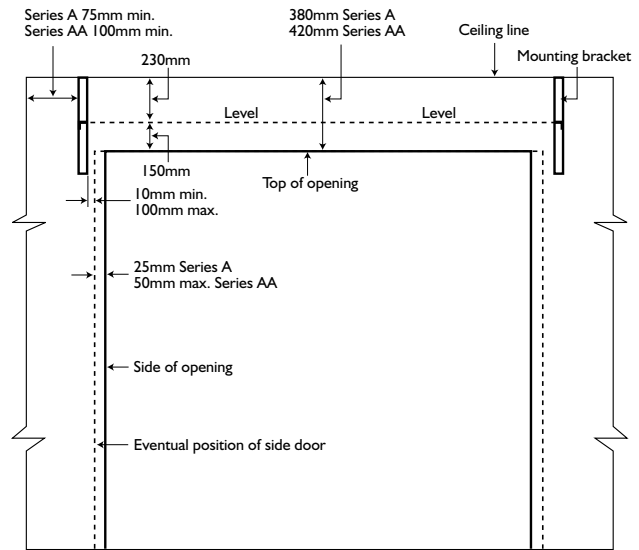
The headroom required between the underside of the ceiling/rafters and the top of the opening is 380mm for Series A doors and 420mm for Series AA doors minimum.

Firmly secure one of the mounting brackets with 50mm coach screws. It is important that the outside face (smooth side) of the angle brackets faces the side wall of the garage.

The clearance on either side between the door curtain and mounting brackets is 10mm minimum, 100mm maximum .

The top of the bearing surface of the mounting brackets should be 150mm from the top of the opening, and 230mm minimum from the underside of the rafters. In the event of a shallower headroom, the 230mm dimension must be maintained. Shallower headrooms down to 300mm can be maintained, but will result in the underside of the rolled up door showing when the door is in the open position.

The second mounting bracket should then be positioned. The use of a line level or spirit level and straight edge is recommended as IT IS VITAL THAT THE BRACKETS ARE EXACTLY LEVEL WITH EACH OTHER, otherwise the door will not sit square. The minimum 230mm dimension must be maintained.

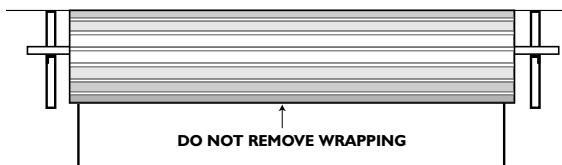
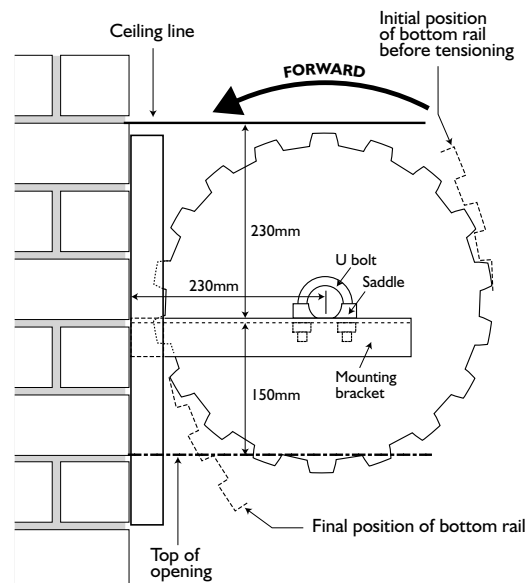


3 Position the door

Place the rolled up door on the mounting brackets and centre the axle approximately 230mm from the front wall, ensuring that the door is centralised with the opening.

N.B.: If the side clearance for the axle is insufficient, cut EACH END of the axle. IT IS IMPORTANT THAT THE AXLE IS NOT CUT TOO SHORT. Ensure that the door is placed the correct way round on the brackets. The sketch illustrates the relative position of the bottom rail.

Secure the axle to the mounting brackets with the U Bolts. LOCK TIGHTLY using washers under the nuts. Spring tension will be lost if the axle is not firmly clamped. Tension should now be applied to the spring by rotating the door about 1 1/2 times in a forward direction, as shown. The amount of tension required to give the operation may vary with individual doors. Final adjustment should be made on completion of the job.



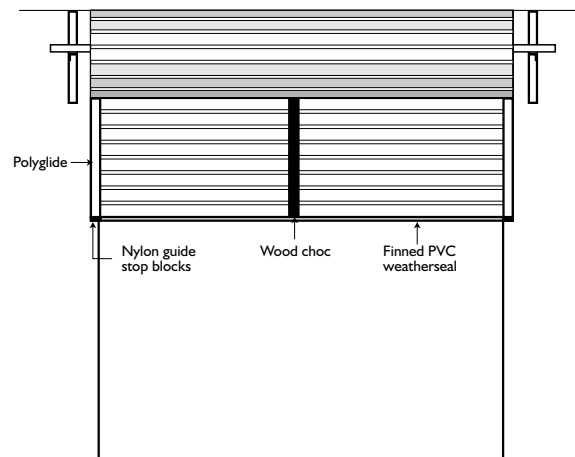
4 Unroll the door

Hold the door in its tensioned position and remove the wrapping which holds the door in a roll. It is important that the door is held firmly at this stage to prevent loss of tension. Pull the door partly down. N.B. THE DOOR MAY HAVE A STRONG TENDENCY TO RISE WHICH, IF UNCONTROLLED, CAN CAUSE DAMAGE.

Affix the lifting handle in the centre of the aluminium bottom rail and allow the door to rise slowly, the handle acting as a door stop against the lintel.

If the lifting handle will not engage the lintel for any reason, use a piece of soft timber as a choc, approximately 450mm long, and place it between the bottom rail and the drum, as shown, taking care not to damage the door.

On Series AA doors only, fit the left and right handed nylon guide stop blocks to the aluminium bottom rail by sliding them beneath the Polyglide wearing strips and securing the gutter bolts ensuring the head of the gutter bolt is on the outside of the door. N.B. When lifting the Polyglide, ensure that the PVC finned weatherseal remains in position.



5 Fix the side tracks

Carefully remove the wood choc, if used. Ensure that the door curtain is rolled up evenly and centred on the opening.

Clean the side tracks with a spirit cleaner.

With Series AA doors, it is advisable to use two lengths of 20mm thick timber to be packed between the side tracks and the garage wall.

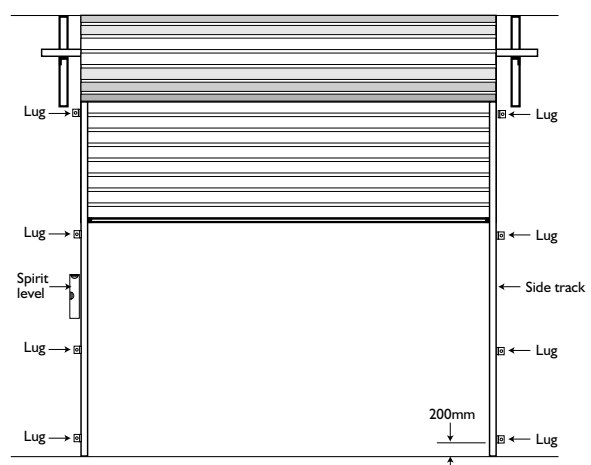
The bottom of the side tracks must be at finished floor line. If the floor is slightly out of level, always work from the higher side first. The top of the tracks (splayed end) should be level with the top of the bearing surface of the mounting brackets.

If necessary cut one side track to the correct length, at the bottom. Slide fixing lugs on.

Slide the track on to the door curtain, allowing 4mm clearance. Hold the guide in position against the wall and mark the location of the top lug holding screw. USING A SPIRIT LEVEL TO ENSURE THAT THE SIDE TRACK IS ABSOLUTELY VERTICAL, fix the track in position by means of the adjustable lugs and 40mm coach screws ensuring that they are evenly spaced, with the bottom lug approximately 200mm from the floor.

Similarly, cut the second track to the correct length, if necessary. Locate the door curtain in the track, allowing 4mm clearance, and with the track in position, pull the

door curtain down. Mark the location of the fixed lug holding screw and fix the track in position as before, again ensuring that the side track is ABSOLUTELY VERTICAL.

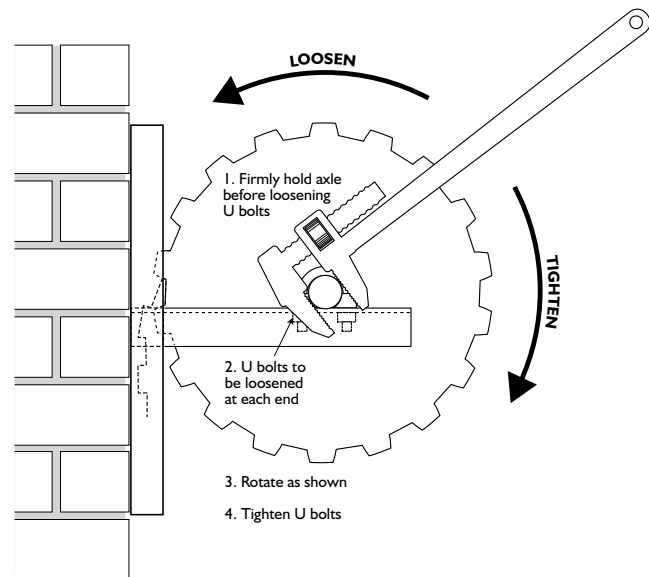


6 Final adjustments

Adjust tracks for clearance, if necessary.

Adjust door for tension, if necessary (see sketch).

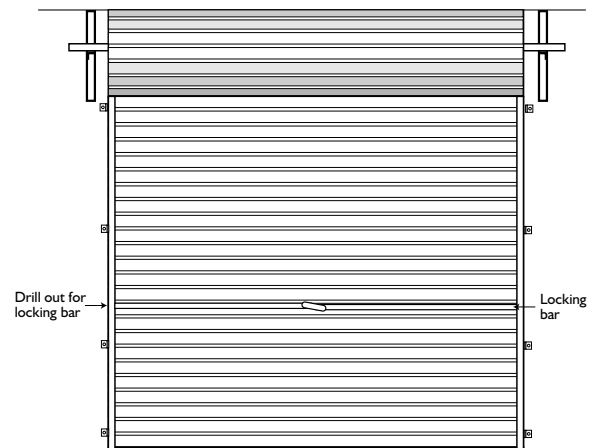
If door does not roll up evenly and squarely, move the axle sideways on the mounting brackets until the door rolls up correctly. Hold axle in the same way as described for tensioning, and re-tighten U Bolts.



7 Fit the locking bar

With door closed, and firmly seated on the floor, mark a point of contact between the locking bar and side tracks. Drill a series of holes and file out the guide slot. A neat fit will minimise vibration and maintain efficiency of weatherseal.

THE DOOR DOES NOT REQUIRE LUBRICATION.



8 Troubleshooting

If you experience any problems with the operation of your door, firstly check that all the installation steps have been followed correctly.

Problem

Door hard to operate in one direction

Door hard to operate in both directions

Door rolls up crooked; or bottom rail of door rolls up out of parallel with roll of door; or edge of roll is not flush, i.e. door is rolling up in a spiral or cone shape.

Door is stiff to work and rattles over lead in on top side of tracks.

Solution

Adjust spring tension

Check guide clearances to see door is not jamming

Check that the mounting brackets are level. Axle may not be in centralised position - follow steps to adjust spring tension up to where it states axle can be rotated. Do not rotate unless spring tension is to be changed. While still retaining firm hold on axle, tap axle in the direction of the spiralling. Move no more than 12mm at a time. Then follow steps and secure axle. If necessary, affix anti coning rings.

Check tracks are not too long; or loosen one U Bolt and push that side of the door towards the opening far as possible without scraping the lintel. Tighten U Bolt and repeat operation with other side, ensuring axle is still parallel with opening; or pack out top lug of guide.

Always pack out top of side tracks from rear surface of lintel in preference to moving axle forward on support brackets.