

## ROLLER GARAGE DOOR INSTALLATION INSTRUCTIONS

**Series A Doors** - up to 3400mm wide  
**Series AA Doors** - 3400mm and under

### Parts List

**Important: Remote control options only: For remote control doors, these instructions must be read in conjunction with separate 'Glidermatic' Remote Control Instructions.**

**Please Note:**

This door can be automated from manual operation in most circumstances.

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

**This door should only be installed by a competent person.**

All dimensions given are for guideline purposes only and final adjustments may have to be made depending on the garage specifications.

**SERIES A DOORS**

- 2 25mm Side Tracks
- 2 Mild Steel Mounting Brackets
- 4 75mm Coach Screws
- 2 U Bolts with Nuts
- 2 Pressed Steel Saddles
- 16 Washers
- 8 Fixing Lugs
- 8 70mm Coach Screws
- 1 Handle & Fixings
- 1\* Remote Control Box
- 1\* Steel Balance Weight Bar
- 1\* Heavy Duty Anchor Bracket with Anchor Tubes
- 1\* Cast Saddle

**SERIES AA DOORS**

- 2 50mm Side Tracks
- 2 Mild Steel Mounting Brackets
- 4 75mm Coach Screws
- 2 U Bolts with Nuts
- 2 Cast Iron Saddles
- 16 Washers
- 8 70mm Coach Screws
- 2 Gutter Bolts
- 2 Straps
- 1 Handle
- 1\* Remote Control Box
- 1\* Steel Balance Weight Bar
- 1\* Heavy Duty Anchor Bracket with Anchor Tubes
- 1\* Cast Saddle

**Handle not supplied with Auto Doors**

\* Remote Control Option Only

### 1 Preparation

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

The doors are positioned inside the opening and, therefore overlap the opening at **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. This only applies to manual doors. For auto doors an extra 35mm is required on the motor side of the curtain.

Before commencing, measure both the opening and the door curtain and mark the overlap on the wall to facilitate the fixing of brackets and guides.

## 2 Affixing Mounting Brackets

The headroom required between the underside of the ceiling/rafters and the top of the opening is 420mm for Series A doors and 450mm for Series AA doors minimum.

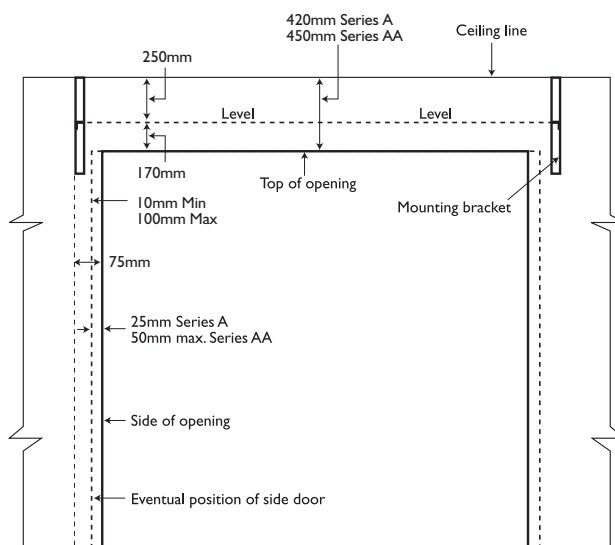
Firmly secure one of the mounting brackets with 75mm coach screws. It is important that the outside face (smooth side) of the angle brackets faces the side wall of the garage.

The clearance on either side between the door curtain and mounting brackets is 10mm minimum, 75mm maximum.

The top of the bearing surface of the mounting brackets should be 170mm from the top of the opening, and 250mm minimum from the underside of the rafters. In the event of a shallower headroom, the 250mm dimension must be maintained for series A and series AA. 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

**\*If Automatic Door please refer to instructions in C/Box for operator, make sure you have anchor block attached to door opposite side to motor.**

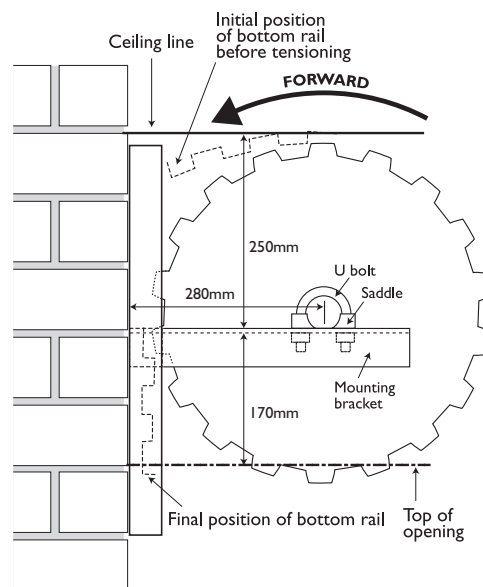
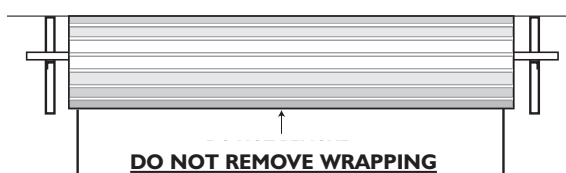


THE BRACKETS ARE EXACTLY LEVEL WITH EACH OTHER, otherwise the door will not sit square. The minimum 250mm Series A and 280mm series AA dimensions must be maintained. Automatic doors require the motor side bracket to be lowered by 10mm after brackets have been levelled off.

## 3 Positioning the door

Place the rolled up door on the mounting brackets and centre the axle approximately 250mm 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 right illustrates the relative position of the bottom rail.

Secure the axle to the mounting brackets with the U Bolts. Automatic doors require the cast bracket to be put inside the anchor block at this stage. (see Fig5 auto instructions) LOCK TIGHTLY using washers under the nuts. Spring tension will be lost if the axle is not firmly clamped.

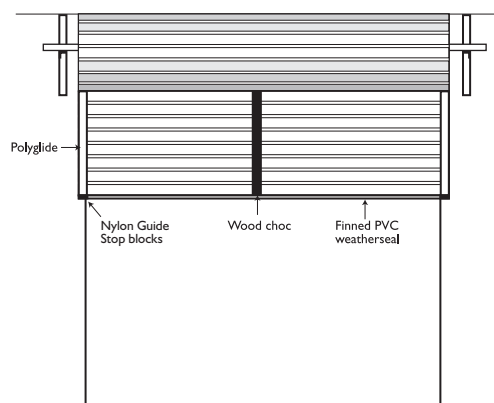


Tension should now be applied to the spring by rotating the door about 1 1/2 times in a forward direction, as shown. The amount of tension required to give the operation may vary with individual doors. Final adjustment should be made on completion of the job.

## 4 Unrolling 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.

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.



## 5 Fixing the side tracks

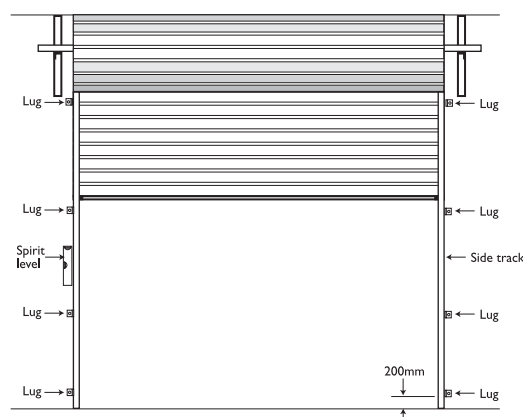
Clean the side tracks with a spirit cleaner.

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 no higher than the top of the bearing surface of the mounting brackets, on single A doors. AA Series tracks should be 90mm minimum lower than the bearing surface.

Using a hammer flatten the top 20mm of back edge of top of track. Cut one side track to the correct length, if necessary. Using the claw end of a hammer form a curl on the front edge of the track, insert fixing lugs fully.

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 70mm coach screws ensuring that they are evenly spaced, with the bottom lug approximately 200mm from the floor.

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



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.

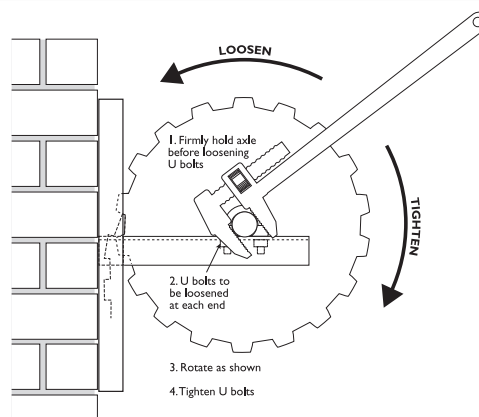
PLEASE NOTE: All dimensions given are for guide line purposes only and final adjustments may have to be made depending on the garage specifications.

## 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

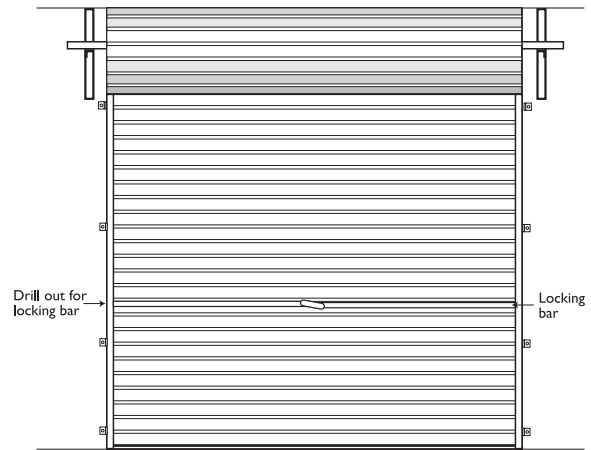
With door closed, and firmly seated on the floor, mark a point of contact between the locking bar and side tracks. Drill a series of holes and file out the guide slot. A neat fit will minimise vibration and maintain efficiency of weatherseal.

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.

Affix Stops - 'AA' Doors

### GLIDEROL DOES NOT REQUIRE LUBRICATION.

Affix lifting handle in the centre of door with bottom edges of handle at bottom of Plastisol finish to bottom aluminium bar.



## 8 Troubleshooting

### Faults

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 the tracks.

### Remedies

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 the 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. (available as an extra)

Check tracks are not too long; or loosen one U Bolt, ensuring opposite end of U bolt is thoroughly tightened, and push that side of the door towards the opening as 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.

## IMPORTANT IN THE OPERATION OF HENDERSON ROLLER DOORS

1. **In the interest of your safety and others, this door must only be operated by users familiar with its operation.**
2. **When operating the door do not place fingers near guides or other moving parts at any time.**
3. **the person operating the door must have it in sight at all times during its operation.**
4. **Do not permit children to play with the garage door or electrical controls.**
5. **Do not attach any objects to, or make any modifications to the door as this may cause damage and/or physical injury.**
6. **Operate the door only when properly adjusted and free from obstruction.**
7. **Should the door become difficult to operate or completely inoperable, call a qualified technician. Repairs and adjustments should only be undertaken by experienced door service personnel.**