

Installation Instructions For

TRACKED

Framed Single GRP Garage Door

(where the door is supplied with a Henderson steel garage door frame)

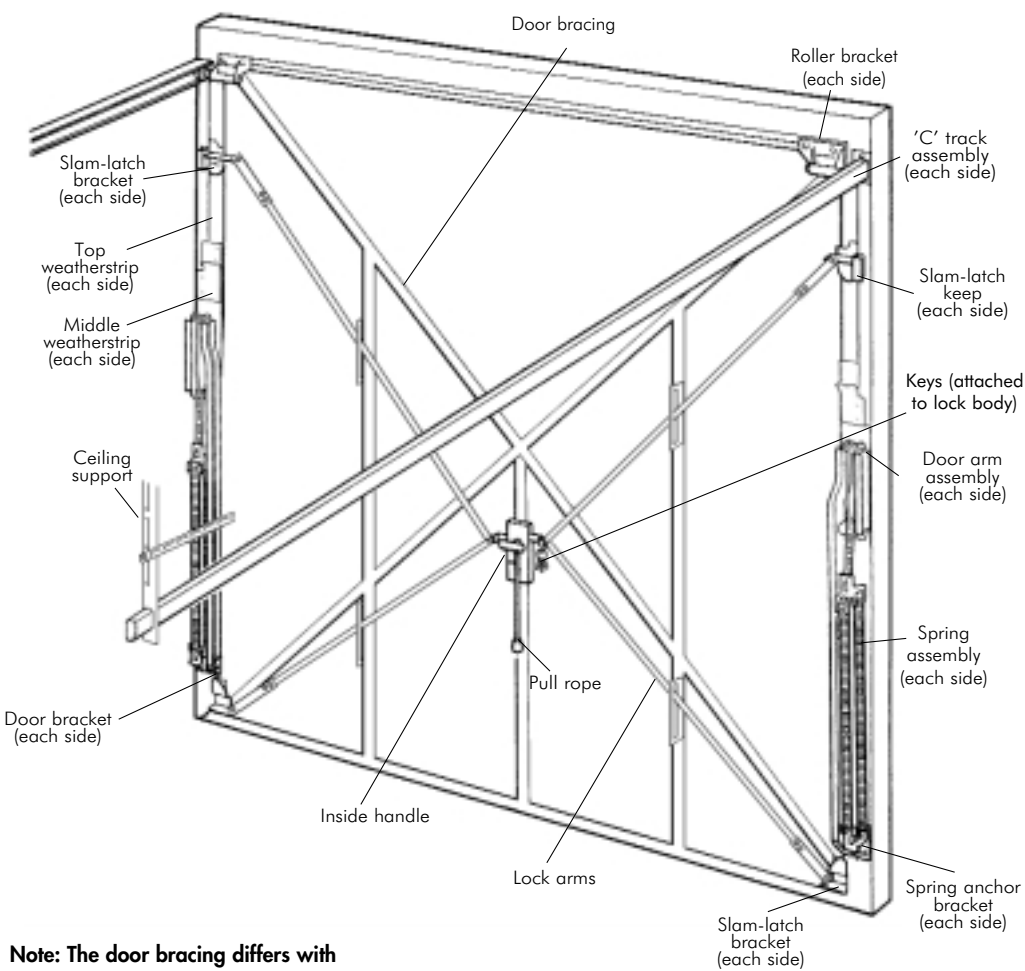
Always read the care and maintenance label thoroughly.
Part No. 002441
Issue No. 04 January 2004

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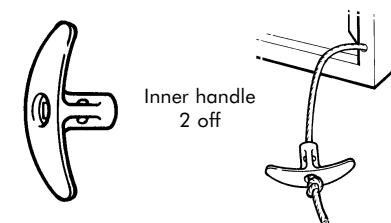
FRAMED TRACKED DOOR

Familiarize yourself with the terms for the door components before starting the installation. The door and components must be installed by suitably trained and qualified persons, in accordance with the instructions provided. If in doubt contact a professional installer. It is important that the installation does not deviate from the instructions provided such that all requirements of EN 12604 and EN 12453 are met and if necessary verified (from May 2004). Once installed the door should be labeled in accordance with EN 13241 (from May 2004).



Note: The door bracing differs with each door style

NOTE: Two inner handles are provided to make the door easier to lift during transit. They are attached by ropes to the bottom sides of the door chassis and should be removed once the door is secured in position. They will be used in step 15.



IMPORTANT

Check that all contents are included in the packs and that the door size is correct for the opening (see label on side of door - the label refers to the size of opening and not size of door).

The following parts are supplied separately and must be checked before starting installation:

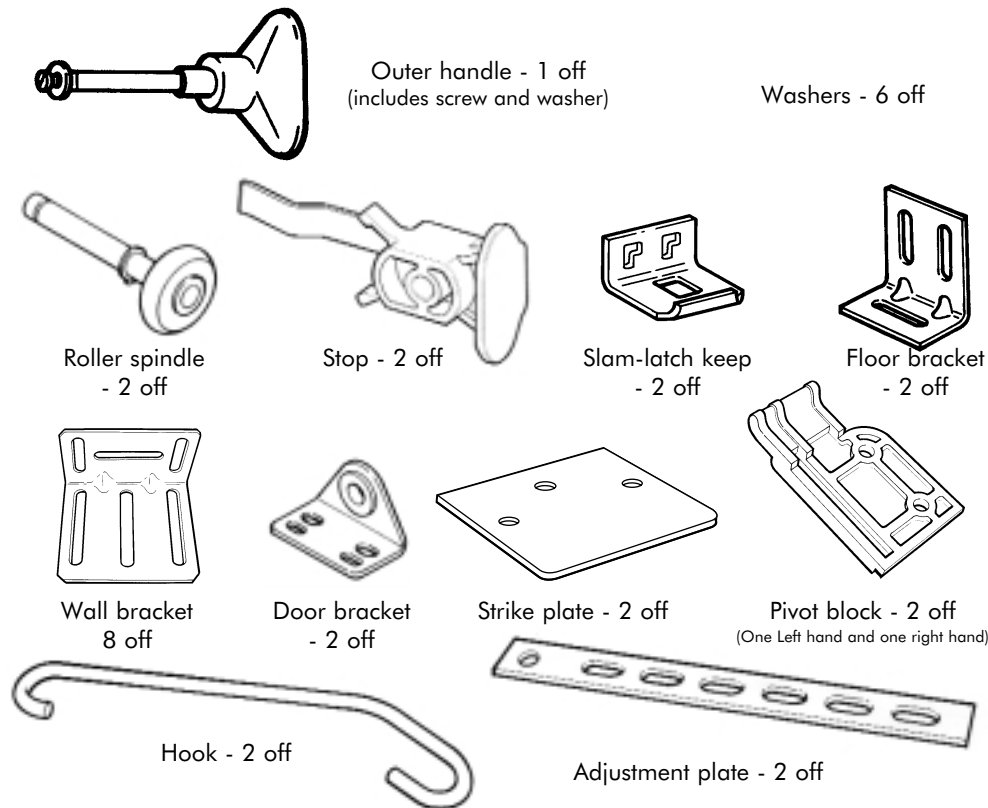
- Gear Pack 1 off - see contents list
- Fittings pack 1 off - see contents list
- Pre-Pack 1 off - see contents list
- Frame Pack 1 off - see contents list

Installation is carried out from inside the garage. Ensure that you have adequate lighting and that all tools and fittings are inside the garage BEFORE you start.

Ensure you have the outer handle with you before leaving the garage during installation. Whilst operating the door be aware of the area it moves through. Keep people and objects out of the way. When manually operating the door, control the leading edge of the door by hand throughout the opening and closing cycle. When the door is in the open position, always ensure it is fully open/as far back as possible.

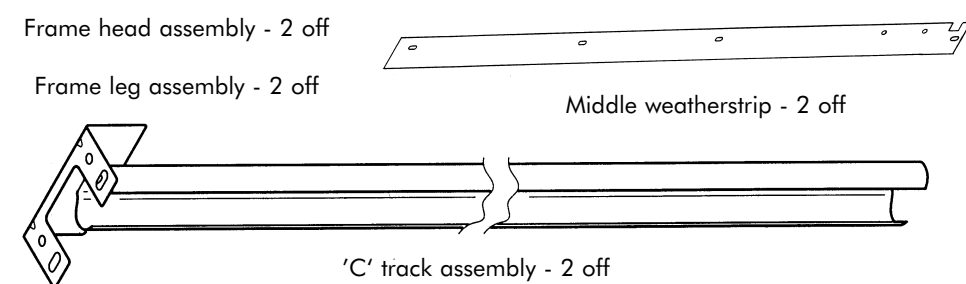
Ensure that good safety practices are employed during installation. Use good quality tools and take appropriate care if using any electrical equipment. Always check for dangerous features in the workspace such as sharp edges, protrusions or concealed or damaged electrical wiring.

CONTENTS OF THE FITTING / PRE PACK

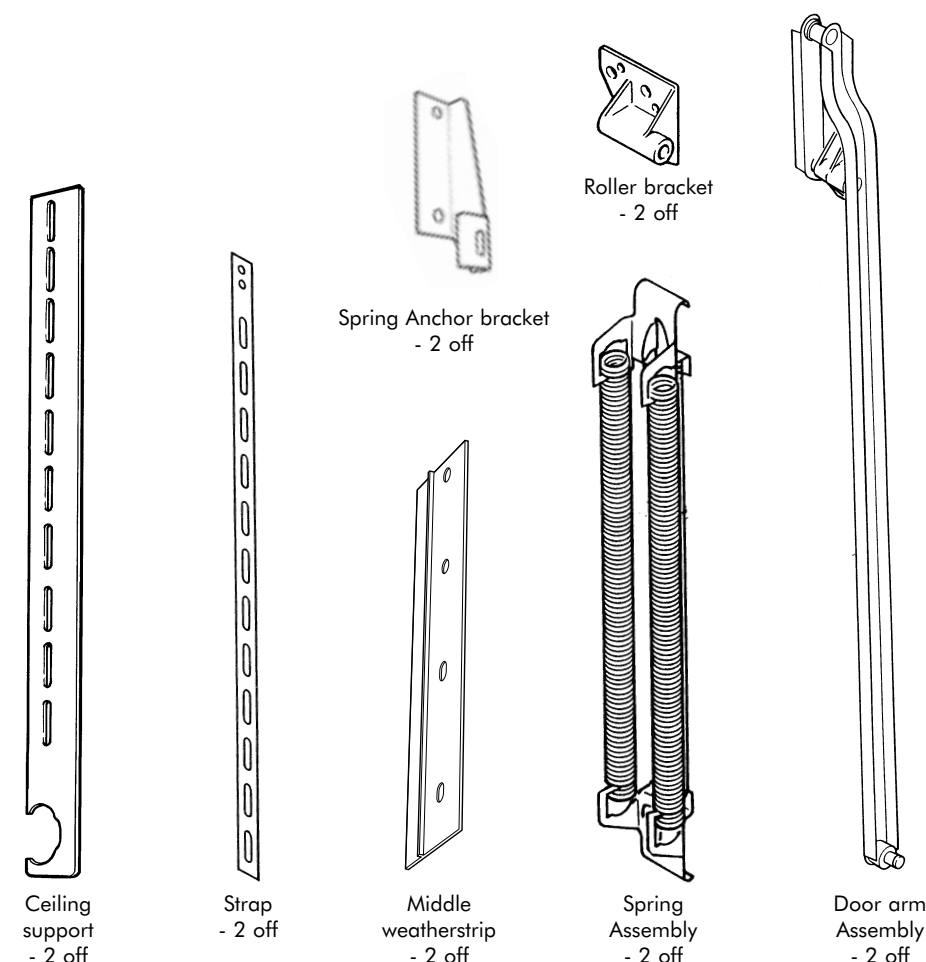


Note: If you are short of any of the items mentioned, please contact your supplier.

CONTENTS OF THE FRAME PACK

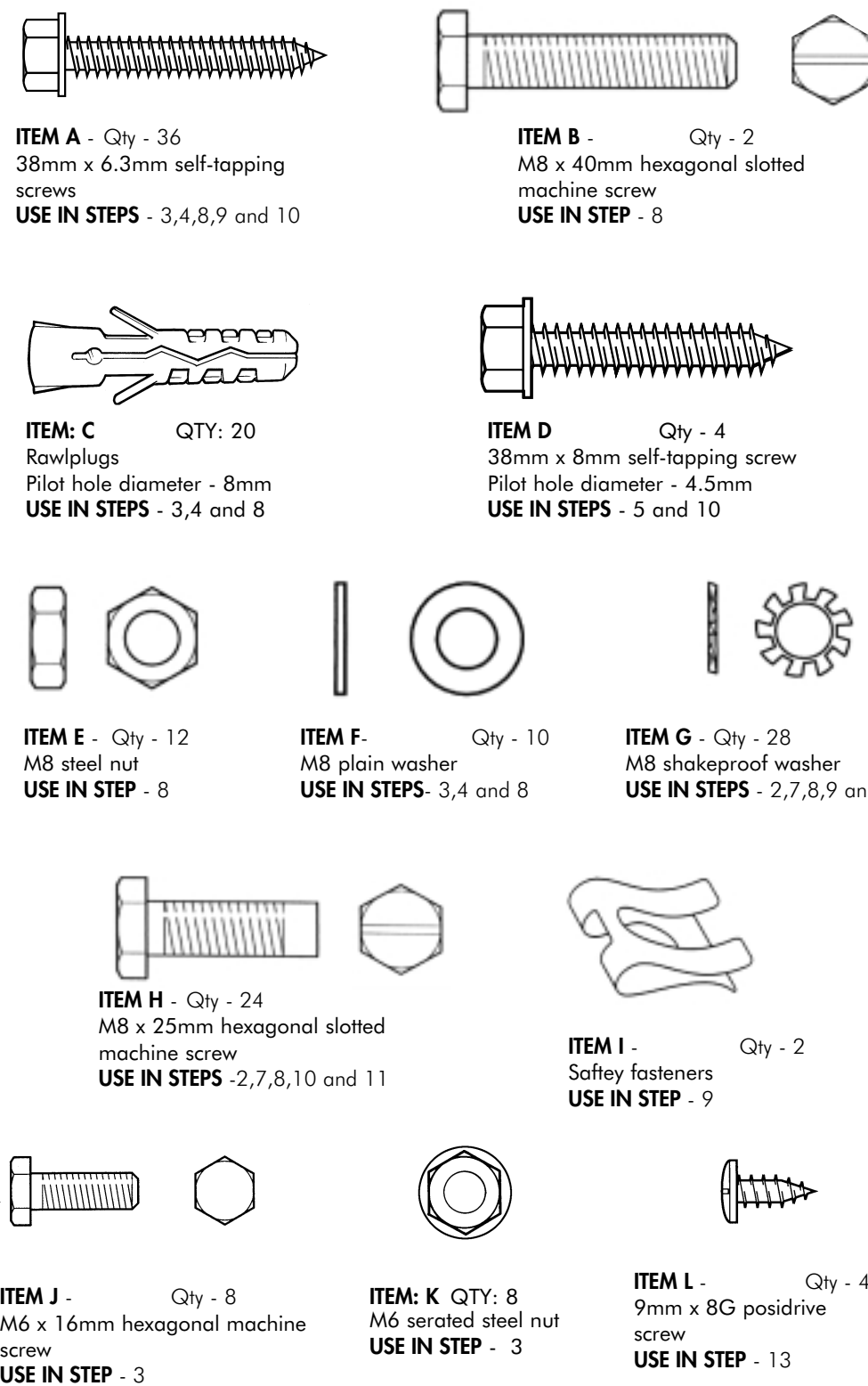


CONTENTS OF THE GEAR PACK



CONTENTS OF FIXINGS PACK

SHOWN ACTUAL SIZE



1 CLEARANCES

The framed door may be fitted centrally between or behind the reveals.

If fitted between, the ideal clearance between the wall and the frame is 10mm around the head and legs.

If fitted behind, the clearance between the wall and the inside face of the legs is 2.5mm min, and 62.5 mm max on each side.

Ensure there is a minimum 10mm clearance between the bottom of the door (not the frame legs) and the floor.

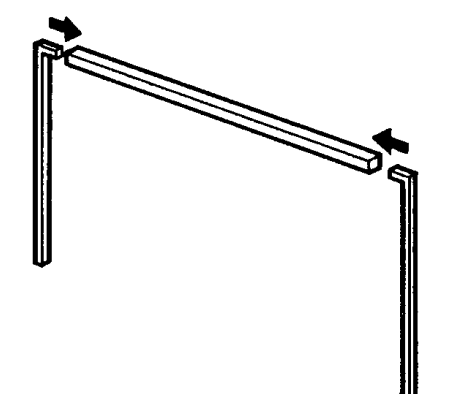
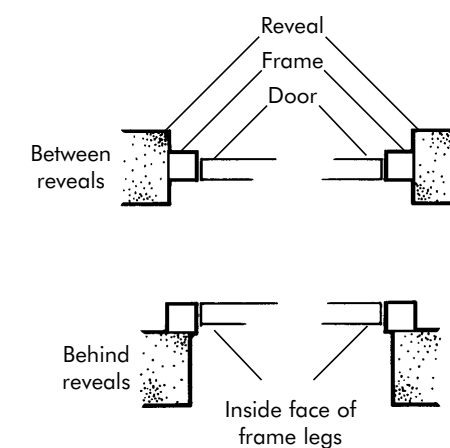
Note: All doors include the necessary clearances within the frame. The frame legs must be kept parallel to the door chassis. It is not permissible to misalign the frame legs to suit the brickwork.

2 ASSEMBLE THE FRAME

Assemble the frame pack as indicated and secure using M8 x 25mm hexagonal slotted machine screws H and shakeproof washers G.

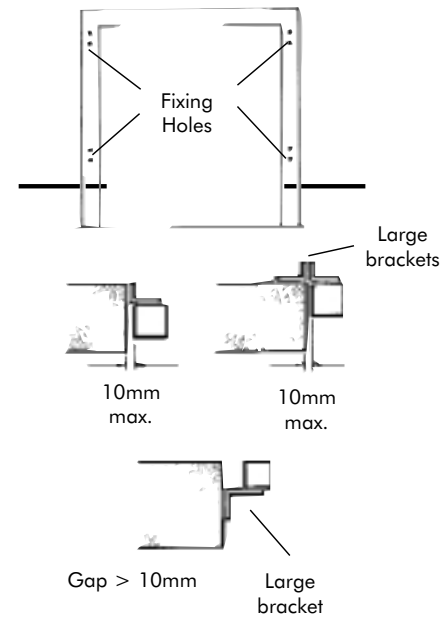
If fitting the frame between the reveals, follow step 3.

If fitting the frame behind the reveals, follow step 4.



3 FITTING BETWEEN THE REVEALS

Loosely fit four brackets to the pilot holes in the frame legs (where shown) using the 38mm x 6.3mm self-tapping screw A. If the frame is flush with the inside wall, use two wall brackets bolted together (use the M6 x 16mm screws and nuts, J and K) at each fixing point to fasten securely.

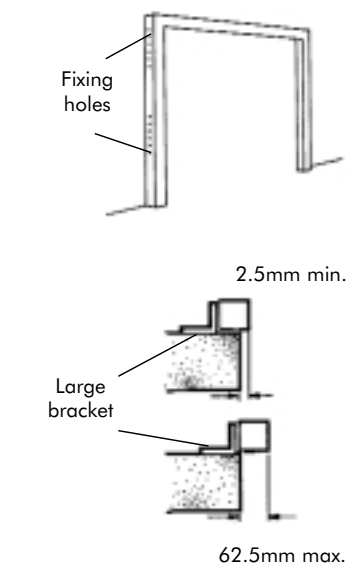


Position the frame centrally into the opening. Ensure that the frame head is horizontal and that the frame legs are square to the floor, central and upright in the opening. Using 38mm x 6.3mm screws A washer F and rawlplugs C fix and secure the brackets to the wall. Tighten the screws securing the brackets to the frame.

Fit a small bracket to the bottom of each leg using 38mm x 6.3mm screw and secure to the floor using 38mm x 6.3mm screws A and rawlplugs C.

4 FITTING BEHIND THE REVEALS

Sets of holes are provided on the outside edge of the frame legs. Loosely fit the large brackets (two each side) to the frame using the self tapping screws A. Ensure that a secure wall fixing is possible.

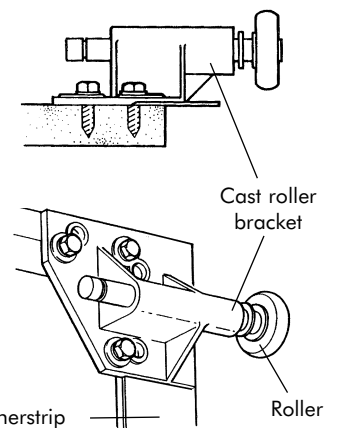


Position the frame centrally in the opening, ensuring that the frame head is level horizontally and that the frame legs are square to the head. Loosely secure the brackets to the wall using the 38mm x 6.3mm screws, washers and plugs (A, F and C). With the frame legs flush against the rear of the reveals, tighten the screws into the frame and finally tighten the wall fixings.

Fit a small bracket to the bottom of each leg using 38mm x 6.3mm screw and secure to the floor using 38mm x 6.3mm screws A and rawlplugs C.

5 FIT THE ROLLER BRACKETS AT THE TOP WEATHERSTRIP

Secure the cast alloy roller brackets over the top weatherstrips using 38mm x 8mm self-tapping screws D using the 3 large holes in the bracket. Ensure that the roller brackets are aligned squarely with the top of the door and insert the roller spindles into the roller brackets.



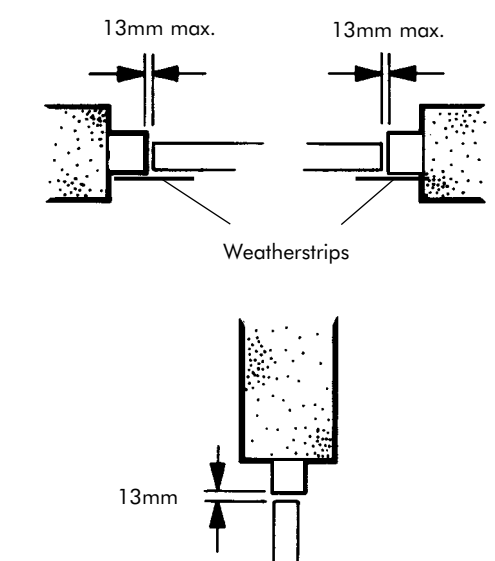
When all installation steps have been completed, the rollers must still be able to be turned by hand.

6 PLACE THE DOOR IN POSITION

Position the door within the frame, ensuring that the top weatherstrips at the roller brackets are flush against the frame legs.

Temporarily secure the door in position. Place 2 x 10mm packers in the top of the door, lift and wedge the door on both sides until it is in contact with the packers at the top. Ensure that the following clearances are established between the door and frame.

- Top = 10-13mm
- Each Side = 8-10mm
- Bottom = 10-13mm



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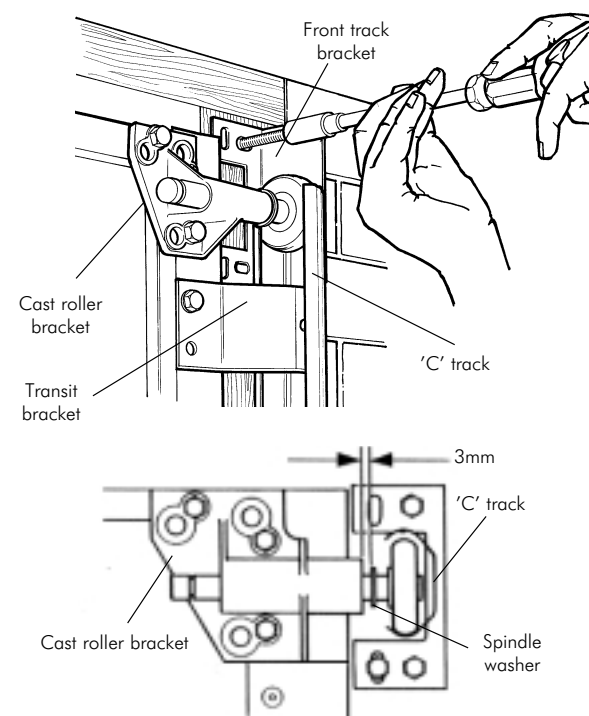
ATTACH THE 'C' TRACKS

'C' tracks are supplied pre-assembled to the front track brackets. Support the rear end of the 'C' track and place the front over the roller as shown.

Using M8 x25mm screw **H** and washer **G**, fit front track brackets to the side frames, first through the top vertical slotted hole as shown and then through the lower vertical slotted hole. Note - a third fastener is added to each track bracket later (see step 8).

Ensure the roller spindle clearance between the cast roller bracket and spindle washer is 3mm as shown.

Note: The rollers are not required to support the weight of the door. It is important that the rollers can be moved by hand once the temporary door supports used in step 6 are removed in step 13.



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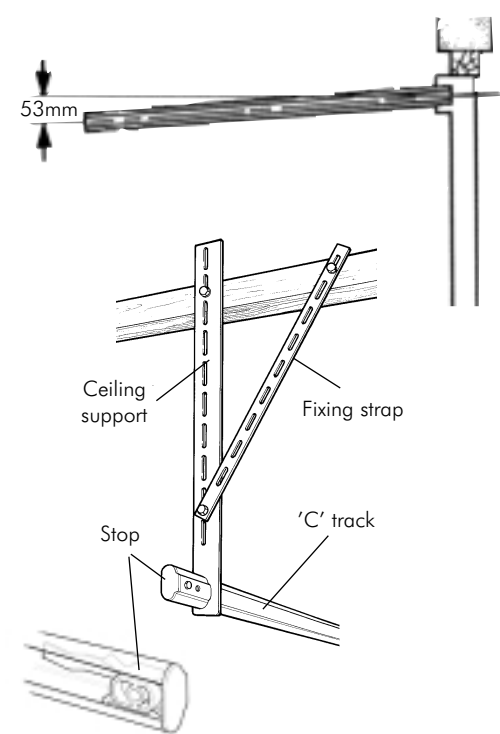
ALIGN THE 'C' TRACKS

Slide the adjustable ceiling support over the rear of the 'C' tracks and raise the tracks. Ensure the 'C' tracks are parallel and angle downward from the face of the door to the back of the garage by approximately 53mm

Secure ceiling support and fixing straps into the ceiling using fixings **A**, **H**, **E**, **F** and **C** (not required if secured to timber). Ensure 'C' tracks are square to the opening. Diagonal measurement of the tracks from corner to corner should be equal. Check the position of the roller at the front of the track. Position the front track brackets to provide a small clearance at the bottom of the roller (1mm). Now fix M8 x 25mm screws **H** in the remaining bottom hole of the 'C' track front bracket (see step 7).

Insert the track roller stop into the end of the track. Fix using M8 x 40mm hexagonal slotted machine screw **B**, nut **E** and washers **F** and **G**.

Important: Correctly fitted 'C' tracks will be rigid and parallel and will not require intermediate supports.



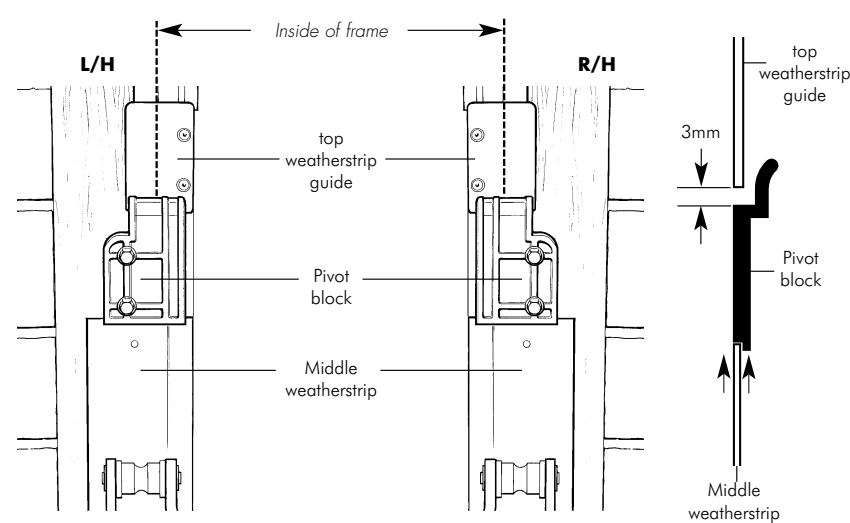
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LOCATE PIVOT BLOCKS & MIDDLE WEATHERSTRIPS

The pivot blocks are handed. Line up the edge of the pivot block with the inside edge of the frame leg, ensuring there is a gap of approximately 3mm between the top of the pivot block and the bottom edge of the top weatherstrip guide, as shown.

Secure using two 38mm x 6.3mm screws **A** through the holes provided. Repeat for the other side.

Slide the middle weatherstrip under the rebate at the bottom of the pivot block, ensuring that the rubber edge overlaps the door edge and the plastic edge is level with the inside edge of the pivot block. Secure to the frame through the top hole in the weatherstrip using a 38mm x 6.3mm self tapping screw **A**. Repeat for the other side.

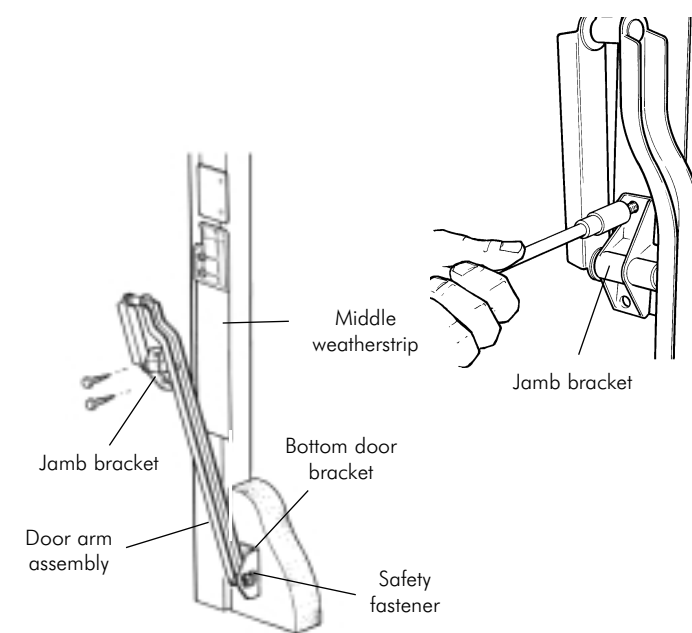


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SECURE THE GEAR ARM JAMB BRACKET TO THE FRAME

Ensure that the pivot block and middle weatherstrip are correctly positioned. Secure the jamb brackets and gear arms over the middle weatherstrip using the M8 x 25mm screws **H** and washers **G**.

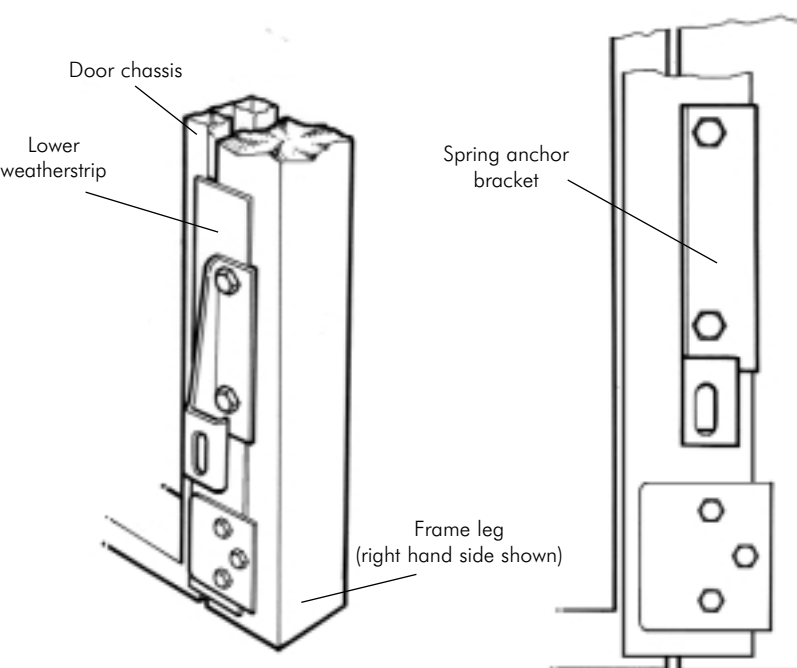
Utilizing the pilot holes provided in the door, attach both bottom door brackets, using the holes furthest from the edge of the bracket with 38mm x 8mm screws **D**. Locate the door arms into the bottom door brackets and secure using safety fasteners **I**, fully tighten bottom door brackets



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FIT THE SPRING ANCHOR BRACKETS & STRIKE PLATES

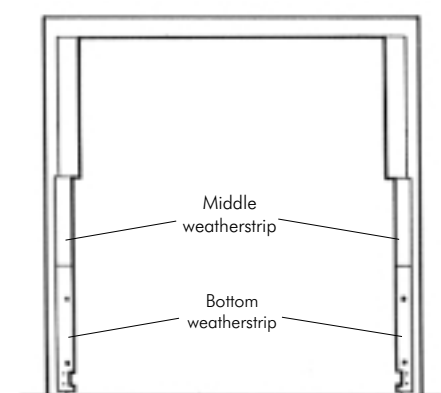
Butt the bottom weatherstrip against the end of the middle weatherstrip. Secure at the top with a 38mm x 6.3mm screw **A**. Align and flatten the bottom weatherstrip against the frame leg. Position the spring anchor bracket correctly and secure using 2 off M8 x 25mm screws **H** and washers **G**. If the weatherstrip is excessively long the excess may be removed using scissors. The strike plate should be positioned to align with the three holes and fastened with three 38mm x 6.3mm self tapping screws **A**.



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SECURE THE BOTTOM WEATHERSTRIPS

Ensure that the weatherstrips have been positioned correctly and that they lie flat against the frame legs. Using 38mm x 6.3mm screws **A** secure the unsupported section of the weatherstrips to the frame leg.



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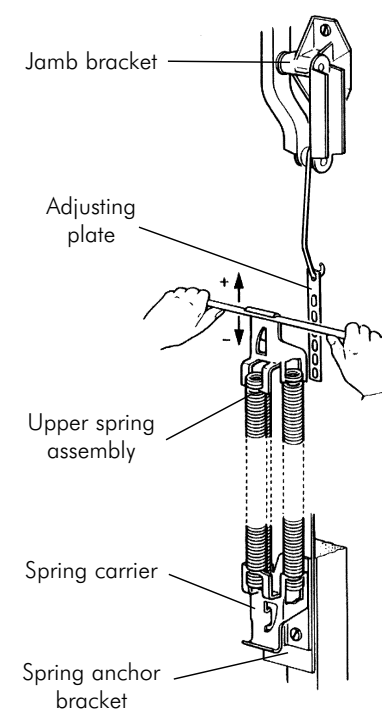
FIT THE DOOR SPRINGS

Remove the items being used to temporarily secure the door in position. Grip the door and simultaneously release the catches by pulling the lock arms. Slowly and carefully open the door and carefully locate a prop to hold the door safely while the springs are fitted.

Locate the spring carrier onto the hook on the spring anchor bracket, ensuring that the hook has located properly as shown.

Using a suitable lever, carefully lift the top part of the spring assembly and locate the hook into one of the slotted holes on the adjusting strap as shown. Ensure that the same slotted hole is used on both sides of the door.

Support the leading edge of the door leaf and carefully remove the door leaf support prop. Guide the door towards the closed position until the tension of the springs supports the door. Ideally the door will be well balanced and should find a natural 'at rest' position at about 2/3 of the way down. If necessary re-support the door leaf and adjust the spring tension as necessary (move up the slotted plate to increase the spring force and down the slotted plate to reduce the spring force).

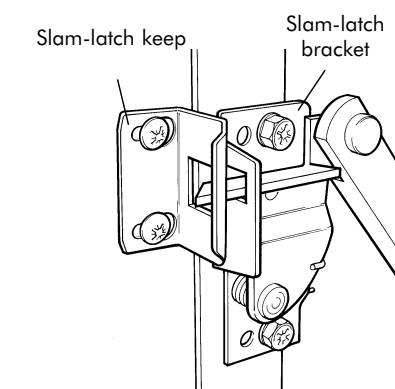


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FIT THE TOP SLAM LATCH KEEPS

Secure the slam latch keeps in position at the pre-drilled holes in the frame using two 9mm x 10G posidrive screw **L**. A 2mm clearance should be provided between the adjacent faces of the slam latch keep and the slam latch bracket, to allow free movement of the door leaf at opening. Fit the second keep.

The bottom slam latches locate against the lower metal strike plate and do not require slam latch keeps to be fitted.



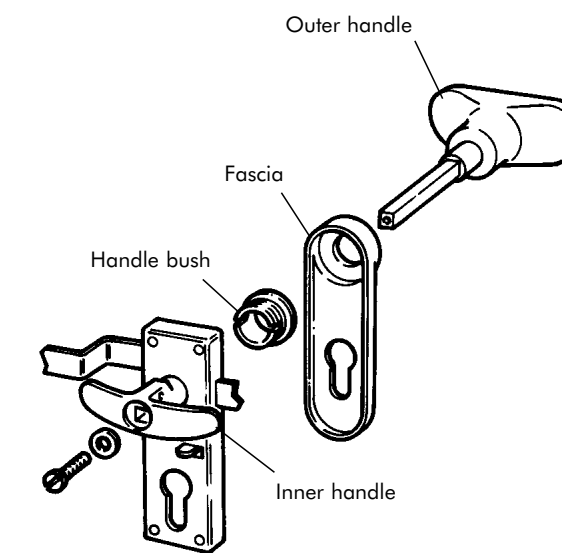
15

FIT THE LOCK

With the lock supported on the inside, push the handle bush into position from outside and fit the fascia by inserting the fixing lugs into the holes until they 'snap-in'. Remove the screw and washer from the outer handle and pass the handle through the lock as shown. Fit one of the inner handles and secure using the screw and washer just removed. Check the operation of the handle and lock mechanisms.

The second inner handle should now be attached with the rope below the lock body, on the door bracing. Thread the rope through the hole provided and knot securely to make a 'rope pull'.

Note: The fascia is not supplied for the Merlin, Doric, Durham and Victoria steel doors and is supplied pre-fitted to timber doors.



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COMPLETING THE INSTALLATION

When the installation is complete, apply a small amount of oil to the pivot points.

Do NOT oil the 'C' tracks.

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TROUBLESHOOTING

If you experience any problems with the operation of your door firstly check the frame and door installation as shown in steps 1 to 16 and ensure all installation steps have been followed correctly.

PROBLEM SOLVING

- | | |
|-------------------|---|
| Problem | The door sticks out from the frame at the bottom. |
| Solution 1 | Ensure roller spindles can move freely in the 'C' tracks. If necessary, reposition 'C' track front brackets. See step 7. |
| Solution 2 | Ensure there is a 3mm gap between the top weatherstrip guide and the pivot block. See step 9. |
| Problem | The door 'kicks across' to one side when open. |
| Solution | Ensure the 'C' tracks are parallel. Measure diagonally from corner to corner. The distance should be equal. Re-position if necessary. See step 8. |
| Problem | The handle is stiff to turn. |
| Solution | Apply a drop of lubricating oil to the handle bush - see step 15. |

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DISMANTLING

The door must be dismantled with care. Always ensure that the structure is well supported during dismantling and that parts are not allowed to fall or pivot in an uncontrolled manner.

Start from inside the garage and ensure that all necessary lighting, tools and personnel are available. The door should be opened and propped securely. The door springs can be carefully removed by disengaging from the adjustment strap (see note 13 for reference). The springs, adjustment plates and hooks can now be detached from the door. Grip the door leaf, carefully remove the prop and gently close the door.

Release the 'C' tracks from the ceiling supports and lower towards the front of the door. Remove the ceiling track supports (see note 8 for reference).

Remove the floor fixing bracket (see note 3 for reference). Remove the frame leg brackets (see notes 3 & 4 depending upon the installation). NOTE - Take care to ensure that the door and frame are supported securely and that the door can not fall.

The door can now be carefully handled but ensure that loose parts do not move to fall or jamb to cause injury. The door will release from the opening. Ensure that hands will not come into contact with any sharp edges and wear gloves if necessary. Always take care when handling heavy items.

Dispose of all unwanted parts in accordance with best practices and legislation.