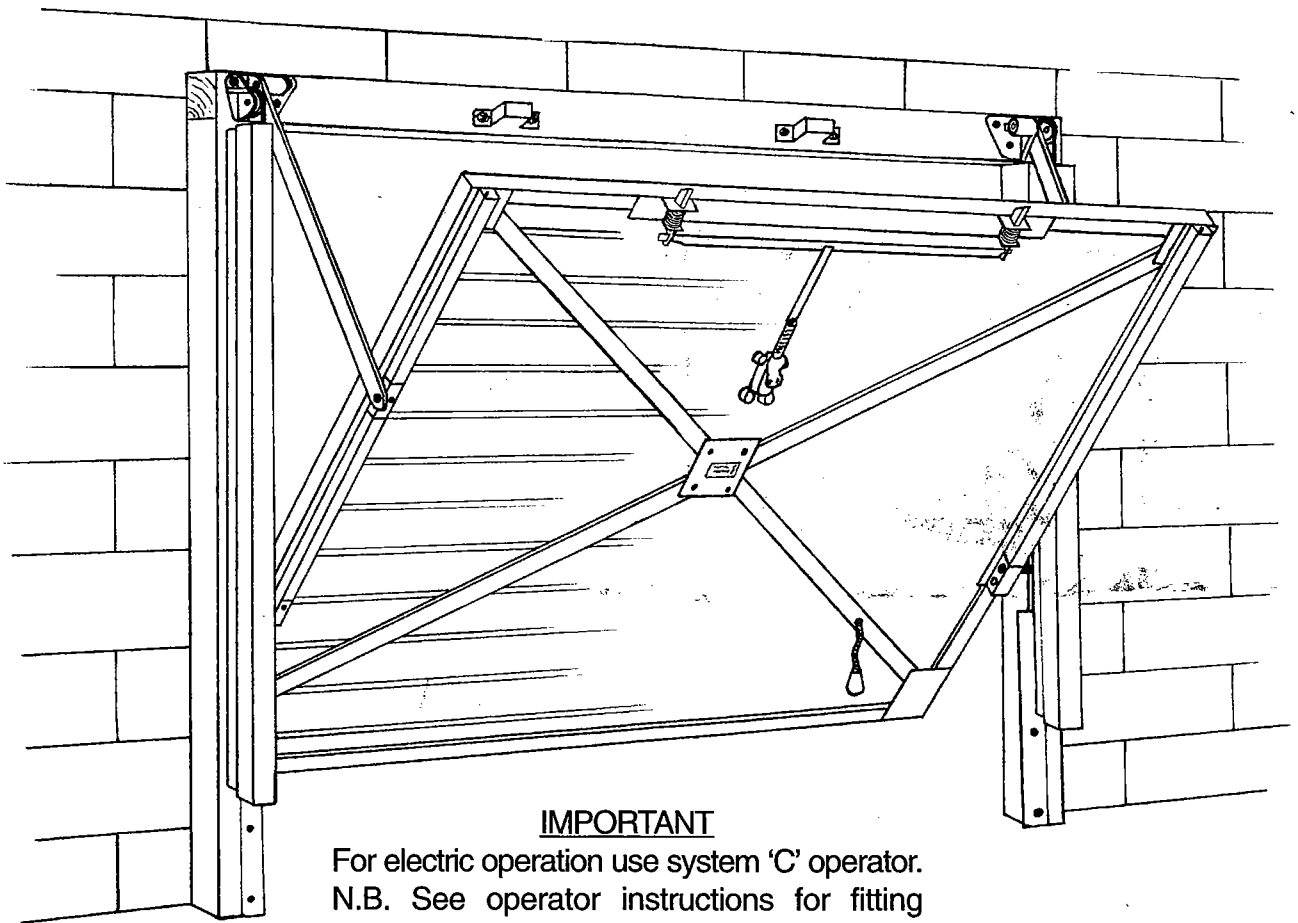


GARADOR

Fitting instructions for 'C' Type doors

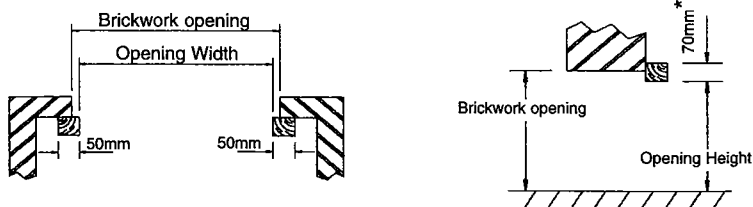


IMPORTANT

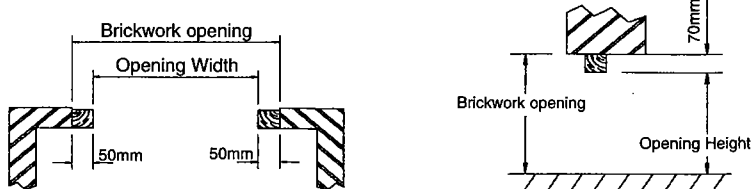
For electric operation use system 'C' operator.
N.B. See operator instructions for fitting requirements.

Frame arrangement

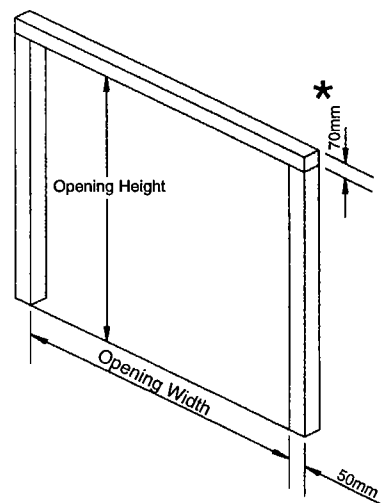
BEHIND BRICKWORK



BETWEEN BRICKWORK



* Ensure Frame is true and square *



* 50mm Minimum timber frame, provided there is sufficient clearance for 65mm door kick up.

Garador, Bunford Lane, Yeovil, Somerset BA20 2YA
Tel: (01935) 443700 Fax: (01935) 443744

1) Parts list

Please check that you have all the parts before installation.

A) Pack contents

<u>DESCRIPTION.</u>	<u>PART No.</u>	<u>QTY</u>
Side Unit Assembly.	G230-20-*	1LH & 1RH
Despatch Pack Bag.	G230-24-B	1
Handle Pack.	OJ-HDL-*	1
Horizontal Latch Bar.	G240-51	1
Vertical Latch Bar.	G240-52	1
Bottom Plastic Weatherstrip.	108-127	2

B) Despatch pack bag

<u>DESCRIPTION.</u>	<u>PART No.</u>	<u>QTY</u>
Latch Keeper.	1760004-3	2
Latch Bolt.	9700008/1	2
Latch Frame.	97000010/1	2
Latch Spring.	9700009	2
Adjustment Plate.	G240-54	1
M6x50 Hex Head Coach Bolt (slotted).	OH-SCW-16385	16
M6x25 Hex Head Bolt.	OH-SCW-16576	4
No.14x40 Hex Head Self Tap Screw.	OH-SCW-16337	2
M6x40 Hex Head Bolt.	OH-SCW-15640	2
Plastic Cup.	OI-PLT-13843	4
M6 Washer.	OH-WSH-21720	4
Oil Sachet.	OF-OIL-13190	1
Fitting Instructions-CG5/9.	OB-FIT-40050	1
Warranty Card.	OB-CRD-00001	1
Declaration of Conformity.	OB-FIT-40061	1
Poly Bag.	OT-BAG-00500	1
Plastic Grip.	OI-PLT-00009	1
Pull Cord.	OF-ROP-14221	1
Strut Clip.	OF-CLP-08380	2
Nails.	OH-NLS-12430	6

C) Handle pack contents

<u>DESCRIPTION.</u>	<u>QTY</u>
Lock Body.	1
Cam Plate.	1
Short Spacer.	1
Tee Handle.	1
Inside Handle And Cover.	1
M8 Lock Nut.	1
Starlock Washer.	1

D) Tools required

Drill.
 Drill Bit (4.5mm).
 Sockets (10mm & 17mm) + Drive.
 Hammer.
 Tape Measure.
 Knife.
 Spirit Level.
 Step Ladder.
 10mm AF Ring Spanner.

IMPORTANT INFORMATION

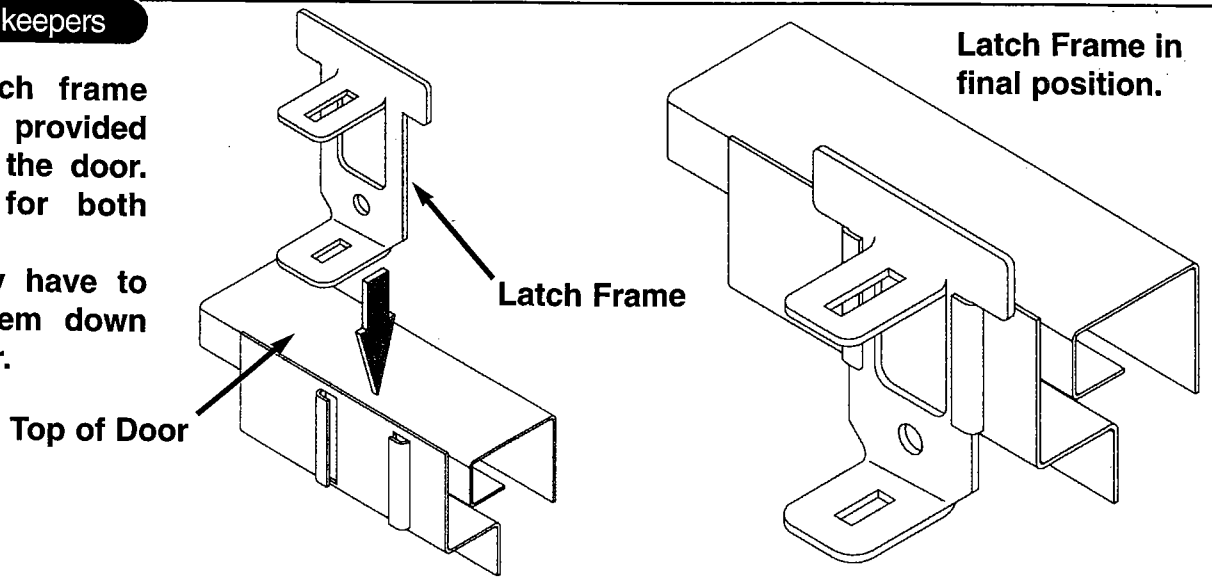
1. The spring in the side unit assembly is fully tensioned. **DO NOT** remove the safety transit bracket or cut the cable tie until stages 6B & 6C
2. The lock body and cam plate must be fitted as per illustrations at stage 3B.

2) Preliminary preparation

A) Fitting of latch keepers

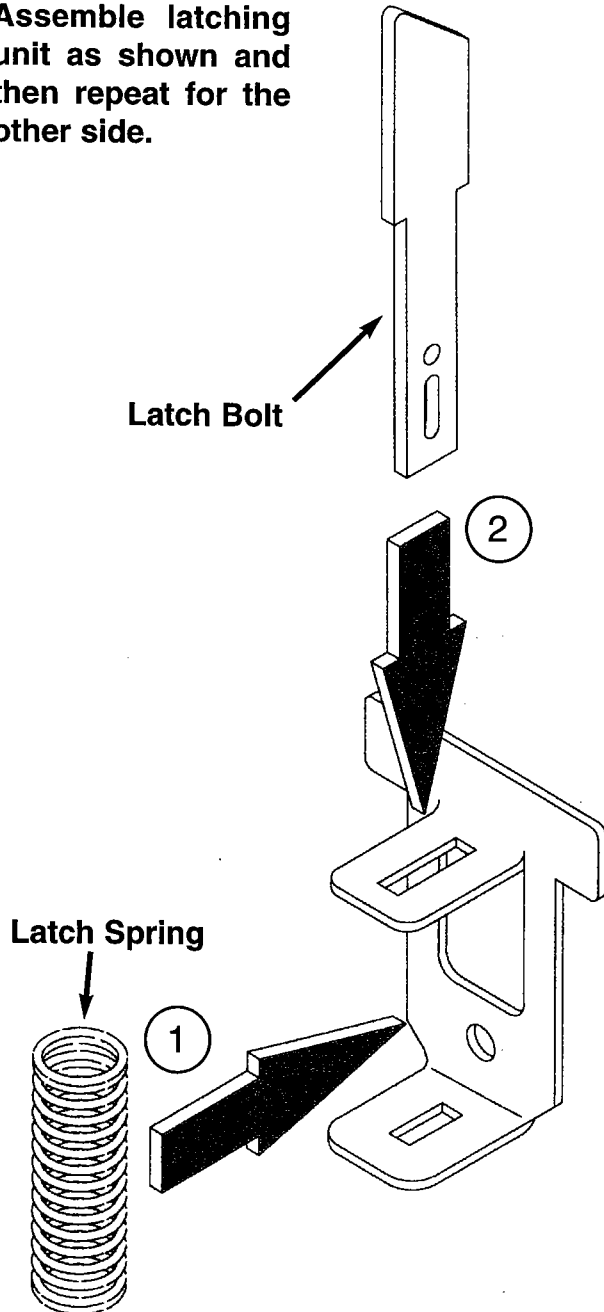
Slide the latch frame into the slots provided at the top of the door. Repeat this for both sides.

N.B. You may have to gently tap them down with a hammer.



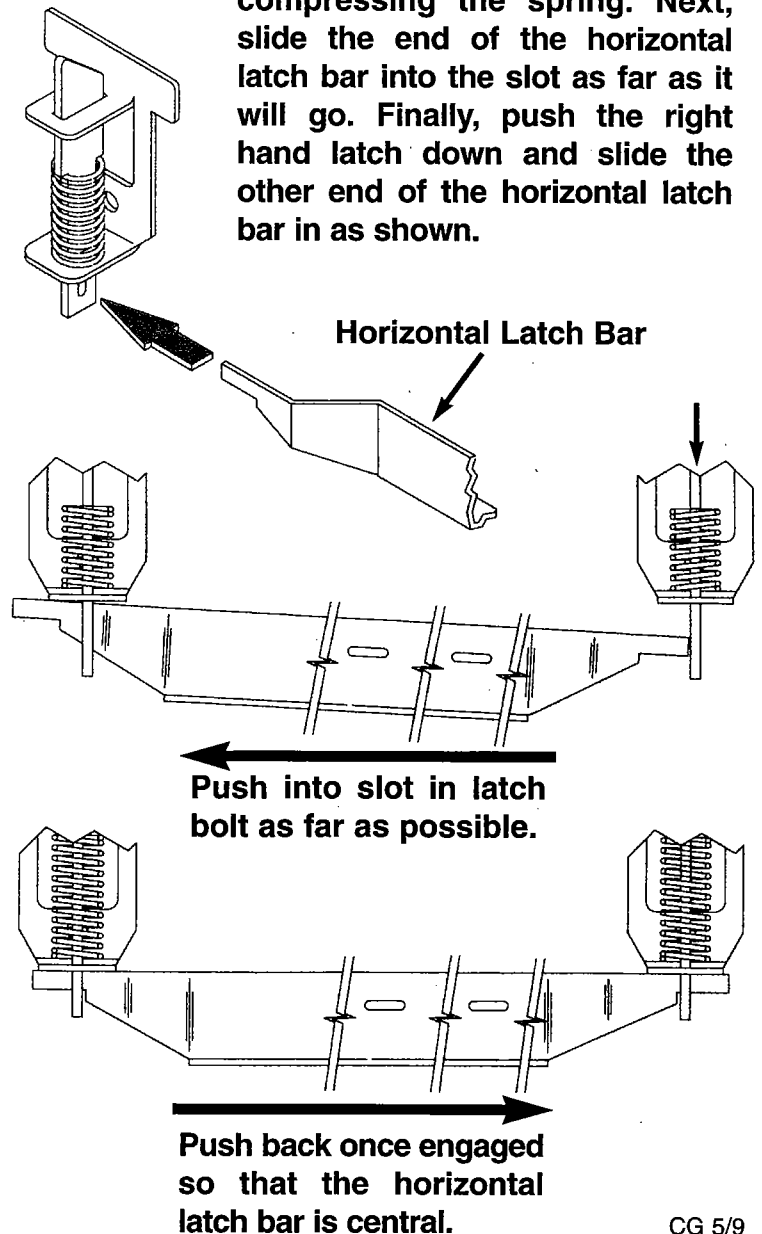
B) Latch assembly

Assemble latching unit as shown and then repeat for the other side.



C) Horizontal latch bar assy

To fit the horizontal latch bar push the left hand latch bolt down, compressing the spring. Next, slide the end of the horizontal latch bar into the slot as far as it will go. Finally, push the right hand latch down and slide the other end of the horizontal latch bar in as shown.

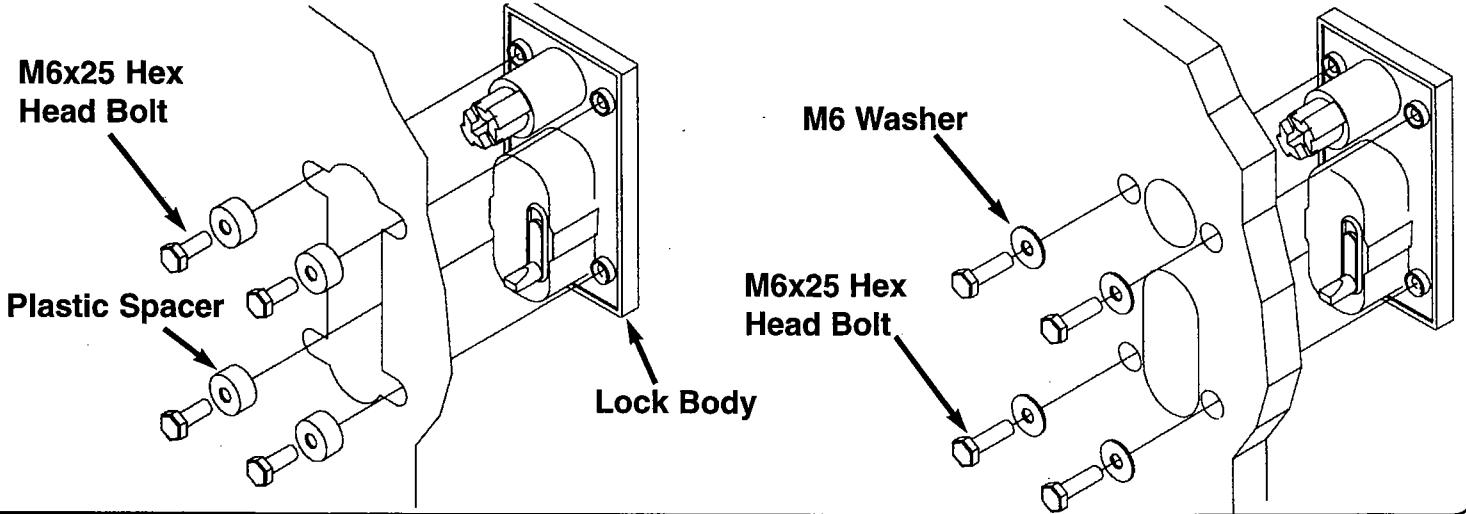


3) Handle and lock assembly

A) Fitting of face plate

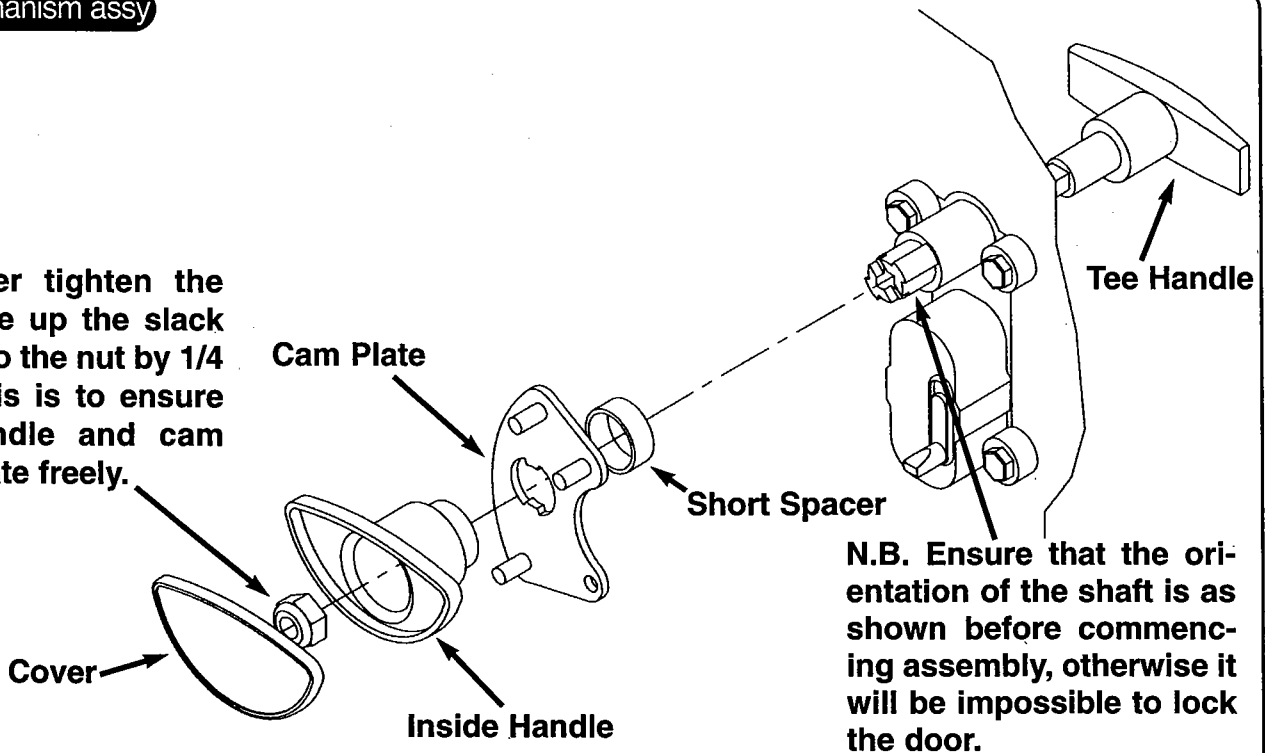
All steel, Parade and Salisbury doors

All GRP and Timber doors



B) Locking mechanism assy

DO NOT over tighten the lock nut. Take up the slack and then undo the nut by 1/4 of a turn. This is to ensure that the handle and cam plate can rotate freely.



C) Adjuster plate assembly

Horizontal Latch Bar

1

Establish the correct slot position for the adjustment plate before fitting the starlock washer.

N.B. Bar to be fitted in the central hole on the horizontal latch bar.

N.B. Allow free movement between the cam plate and the adjustment plate.

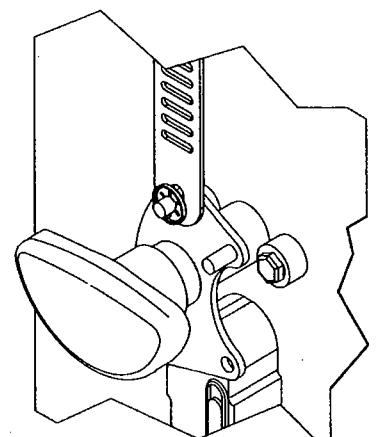
Vertical Latch Bar

Adjustment Plate

Cam Plate

Starlock Washer

Final assembly



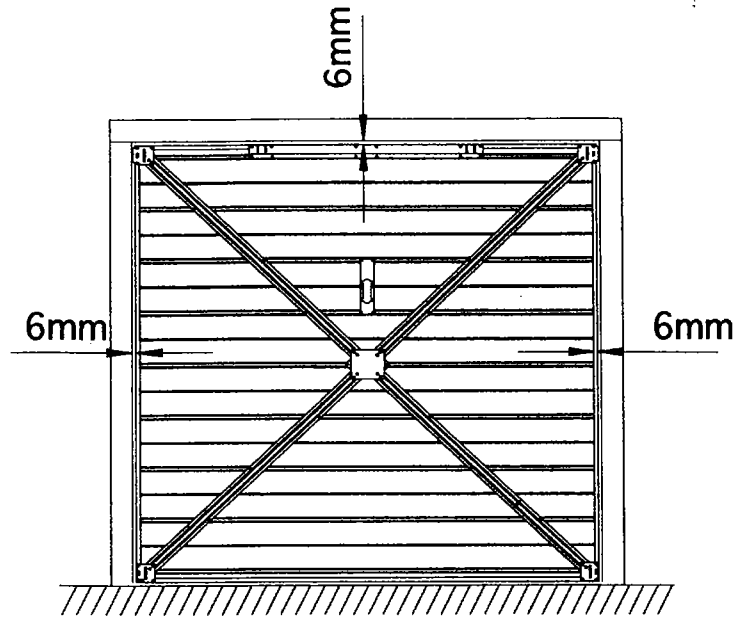
4) Assembly of door into frame

A) Gap spacing

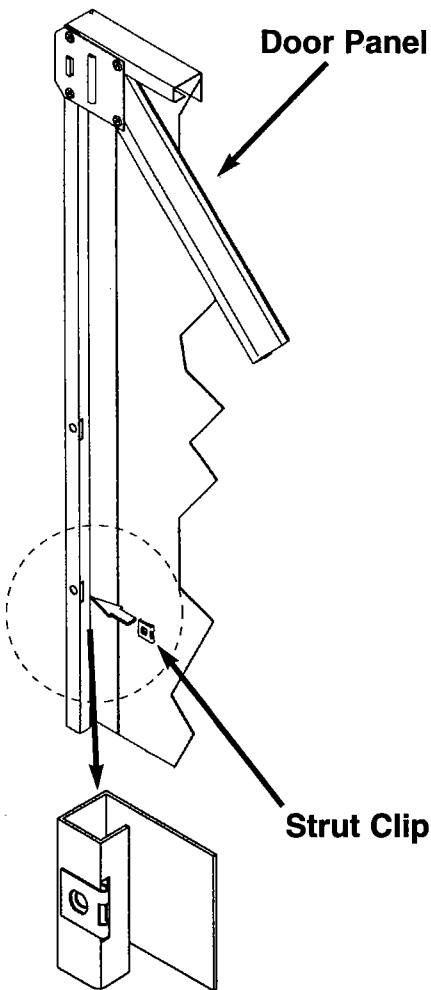
Set the door in the frame to give a 6mm parallel gap at each side. Pack the bottom of the door to leave a 6mm gap between the top of the door and the frame head.

FITTING TIP

Tear strips of cardboard from the box and use as packing pieces at the sides and bottom of the door.



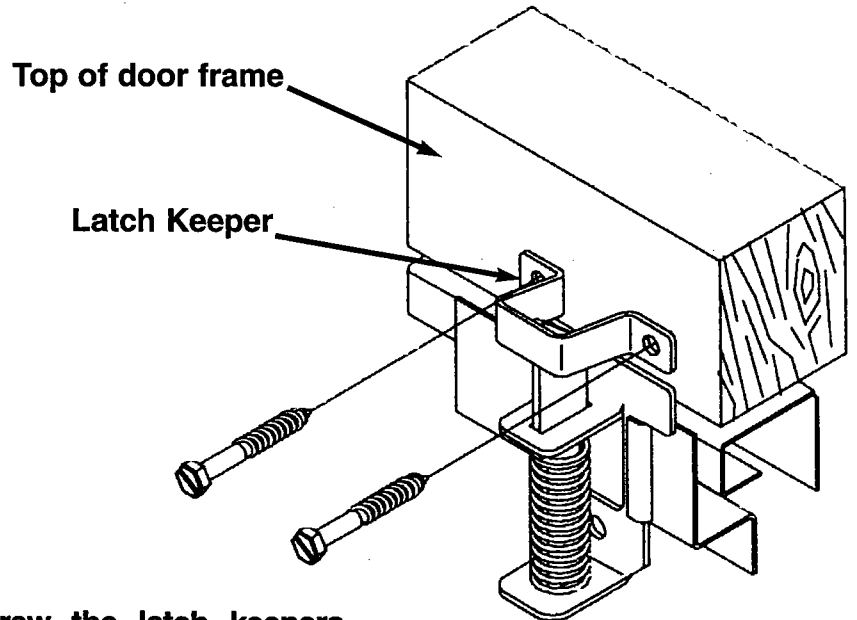
B) Strut clip assembly



The strut clip is slotted over the door boundary at the lower slot provided with the flat side facing out. Repeat on other side.

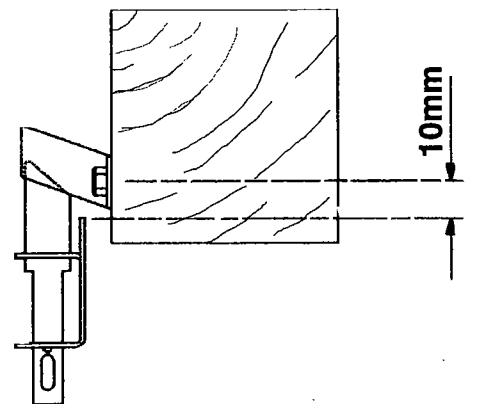
N.B. For timber doors, put the strut clip behind the lower hole.

C) Latch stay assembly



Screw the latch keepers onto the top of the door frame header, leaving a 10mm space as illustrated (use the M6x50 Hex Head Coach Bolt).

Make sure the latch keeper tilts upwards as illustrated on the right.



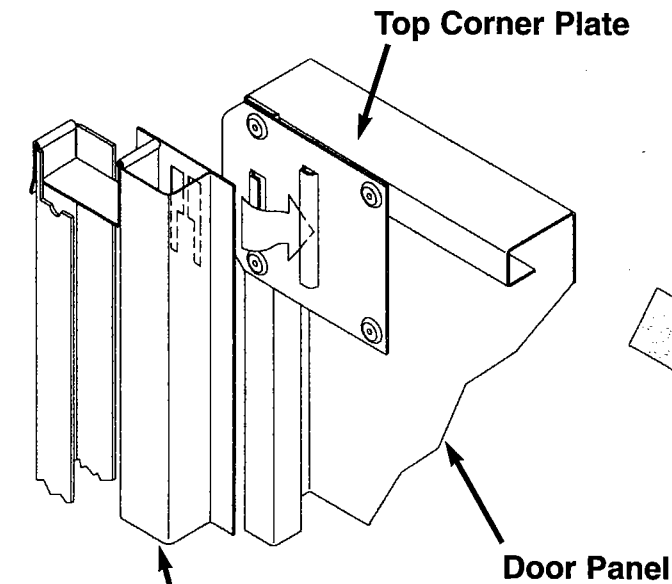
Fixings used



M6x50 Hex Head Coach Bolt

5) Side unit assembly

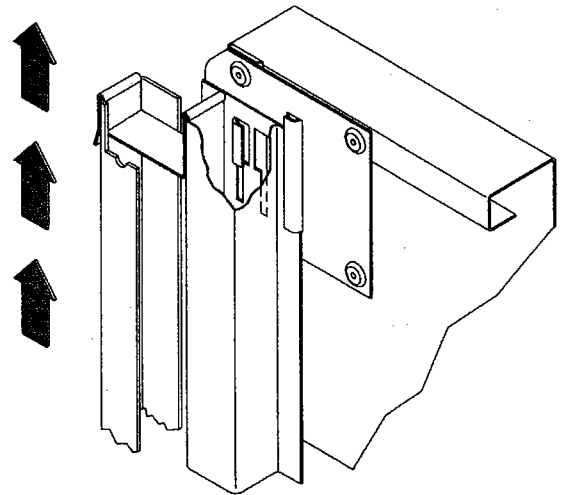
A) Attachment onto door



1

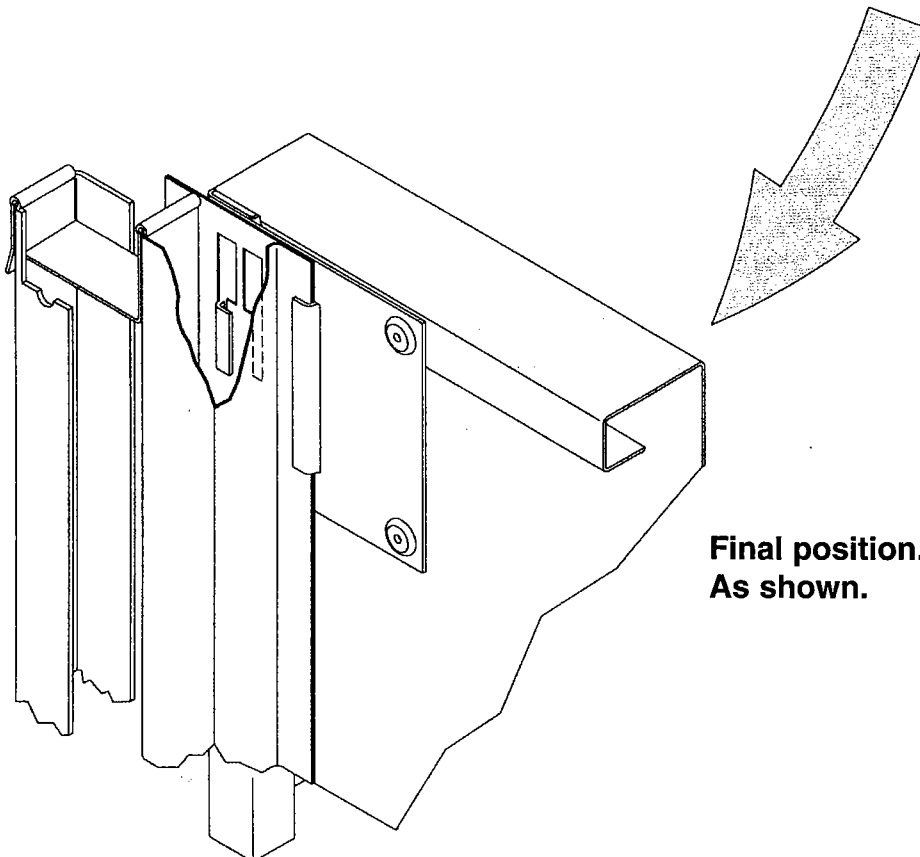
Slide the edge of the side unit assembly under the long leg of the top corner plate.

The small leg of the plate goes through the back of the assembly.



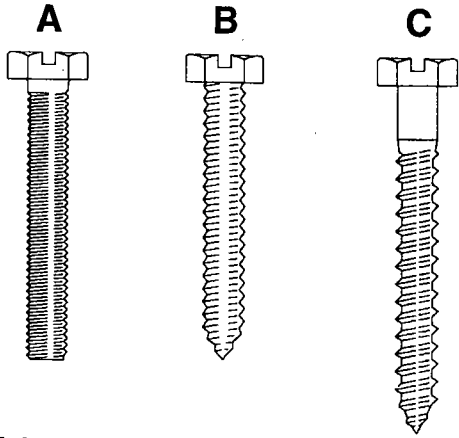
2

Slide the whole side unit assembly up until it locks firmly into place and is level with the top of the door.



6) Fixing of side unit

A) Fixings used



M 6 x 4 0
Hex Head

No.14x40
Hex Head

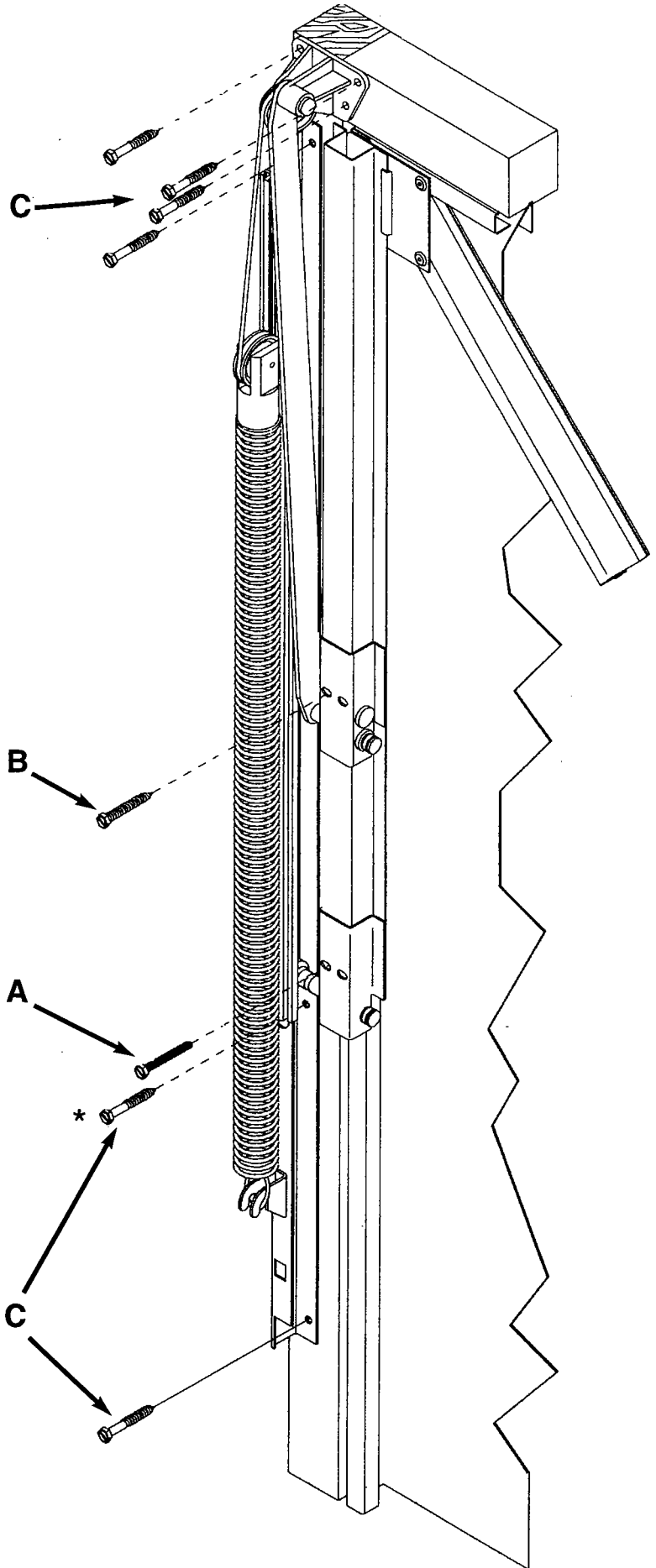
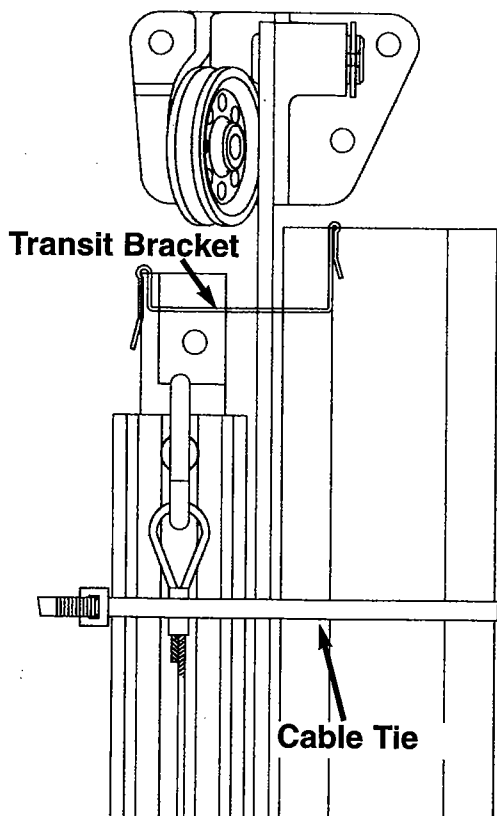
M 6 x 5 0
Hex Head
C o a c h
B o l t

Fixings A and B fitted first. Next drill the 4.5mm holes ready to accept the C fixings. Repeat for other side. N.B. Ensure the drill chuck does not hit the parts when drilling the holes.

B) Cable tie removal

C) Transit clip removal

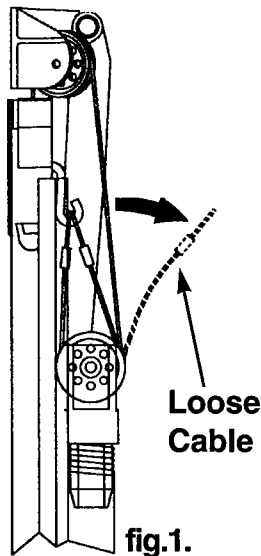
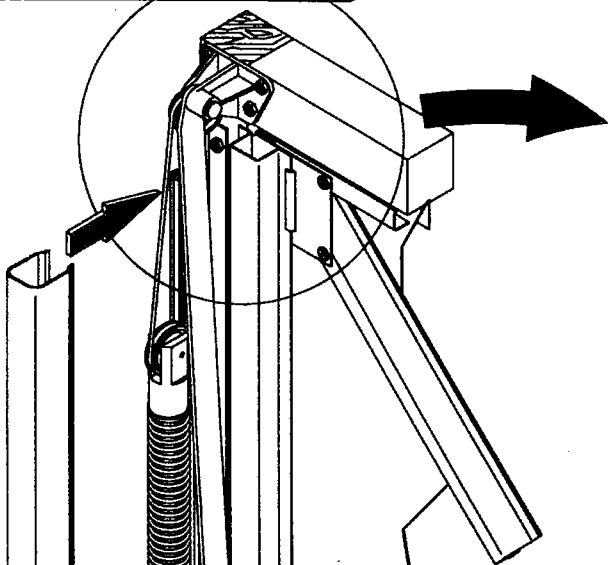
AFTER FIXING THE SIDE UNIT ONTO THE DOOR. Cut the cable tie and then remove the transit bracket by pushing it upwards. Repeat for other side.



*To fit this fastener refer to step 7

7) Final touches

A) Releasing spring tension



2

When the loose cables are free both sides, carefully open the door and hook both cables back out of the way or cut the loose length off.

1 Using a cloth to protect your hand pull the cable towards the centre of the door. This will allow the cable loop on the hook under the pulley wheel to disengage. See fig.1. Gently return cable to original position. N.B. Ensure cable locates into pulley grooves before releasing tension.

3 To fit the intermediate fixing, open the door and pull the spring to one side to gain access. (Be careful of the spring when drilling the hole).

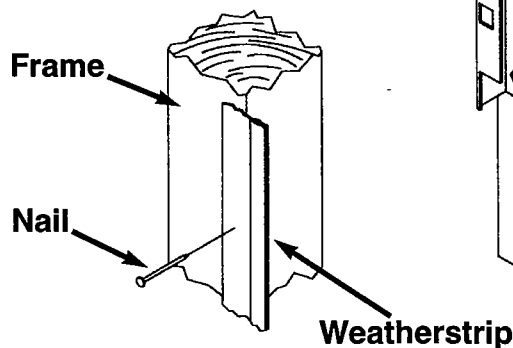
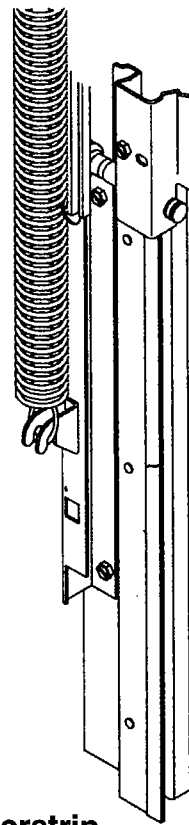
4 Clip casing into plastic track as shown.

Alternative fixing positions on the track.

B) Fixing of weatherstrip

Fix weatherstrips to the bottom of the frame using the nails provided. The weatherstrip may have to be cut to length.

In addition to this a timber batten may be nailed to the underside of the frame head to cover the clearance gap between door and frame.



Final refinements

1) Fit the pull cord to the door in the position shown on the front cover. There is a hole in the bracing through which the cord should be fed. Tie a knot one end so that it will not pull through.

2) If the door rises too slowly or is difficult to open (especially if extra weight has been added through numerous layers of paint over time), the spring strength can be adjusted. To adjust the strength of the spring, prop the door in an open position ensuring it is safe and then move the bottom of the spring and the anchor bracket down to one of the lower fixing positions as indicated above.

3) Lubricate inside of guide channels, latch bolts and all moving parts using oil sachet provided. To ensure continued ease of operation lubricate periodically.

4) Complete warranty card and return to Garador.