

FITTING INSTRUCTIONS - NOTICE DE POSE - MONTAGE HANDLEIDING - MONTAGEANLEITUNG ISTRUZIONI DI MONTAGGIO - INSTUCCIONES DE MONTAJE



Maximum Weight = 60kg Maximum Door Width = 930mm (to suit 900mm clear opening)

These instructions describe how to install the track & sliding door gear - for operation of the Drive unit & wiring detail for the addition of switches & or sensors please refer to the operating instructions for RolloSystem T2.

Before you commence work, please read through these instructions completely & follow all the safety instructions. Please store these instructions in a safe place and pass them on to any future owners. Damage resulting from non - compliance with these instructions and safety instructions will void the warranty. PC Henderson nor the drive unit manufacturer will assume any liability for any consequential damage.

Quick Start

For quick start installation sequence for the drive unit please refer to page 69 in the drive unit manufacturer operating instructions for RolloSystem T2

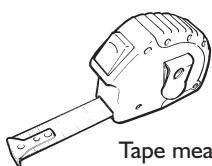
Door sizes and kit numbers

For doors up to and including standard door sizes	Kit number
762mm (30") wide x up to 1981mm (78") high doors	EP3**
838mm (33") wide x up to 1981mm (78") high doors	EP4**
762mm wide x up to 2040mm high doors	EP5**
826mm wide x up to 2040mm high doors	EP6**
930mm wide x up to 2315mm high doors	EP10**

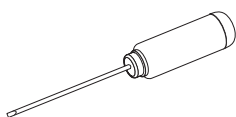
Door thickness between 28mm and 44mm

Please substitute ** with EU or UK depending on power supply

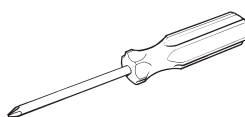
Tools required



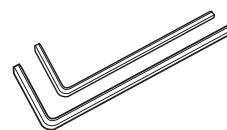
Tape measure



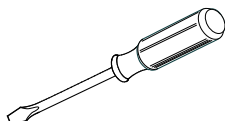
Electricians screwdriver



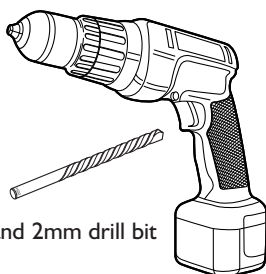
Posi screwdriver



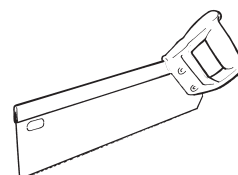
5 & 4mm Allen keys



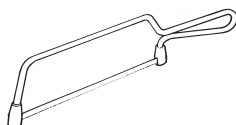
Flat head screwdriver



Drill and 2mm drill bit



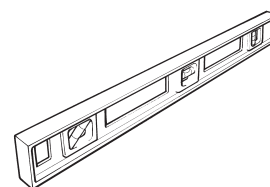
Tenon wood saw
(only needed if reducing kit in size)



Junior metal hacksaw
(only needed if reducing kit in size)

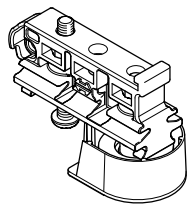


Scissors

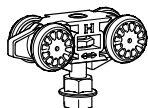


Spirit Level

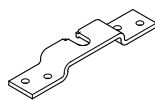
Contents of kit



1 x Husky Clipstop Assembly



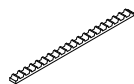
2 x Husky
100kg Hanger



2 x Apron Plate



2 x 287 Stop



1 x Linear
Timing Belt



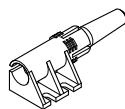
2 x M6 x 30
CSK Screw



2 x M6 Nut



2 x Ø5 x 28
Domed Head
Woodscrew
(Clutch Base)

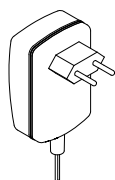


1 x Clutch Base
& Release Pin



1 x Spanner 320

European Supply

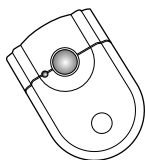


1 x 2 Pin 24Volt
Transformer

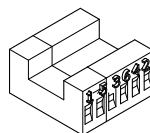
UK & Ireland Supply



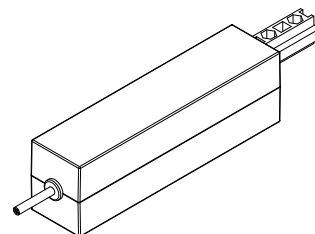
1 x 24Volt Transformer
(To be hard wired in to a fuse spur)
Not PCH



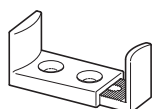
2 x Remote Fob



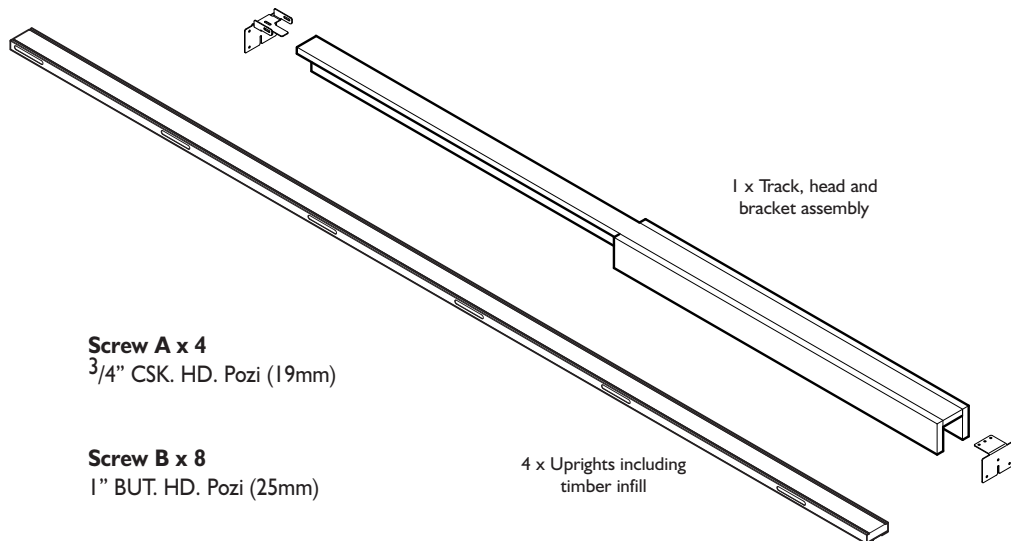
1 x Terminal Block



1 x Rollo System RS-T2
Drive Unit



1 x Plastic guide



1 x Track, head and
bracket assembly



Screw A x 4
3/4" CSK. HD. Pozi (19mm)



Screw B x 8
1" BUT. HD. Pozi (25mm)



Screw C x 8
1 3/4" CSK. HD. Pozi (44mm)

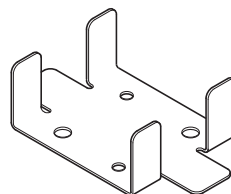


Screw D x 14
5/8" BUT. HD. Pozi (16mm)



Screw E x 8
1 1/2" BUT. HD. Pozi (38mm)

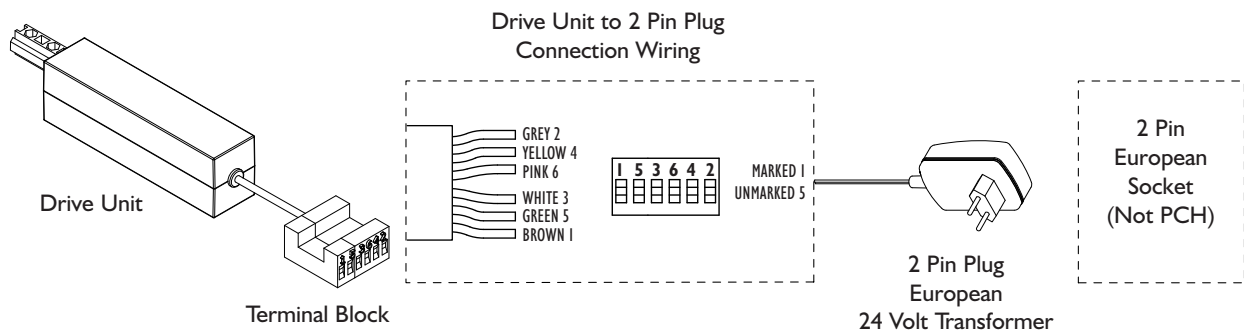
4 x Uprights including
timber infill



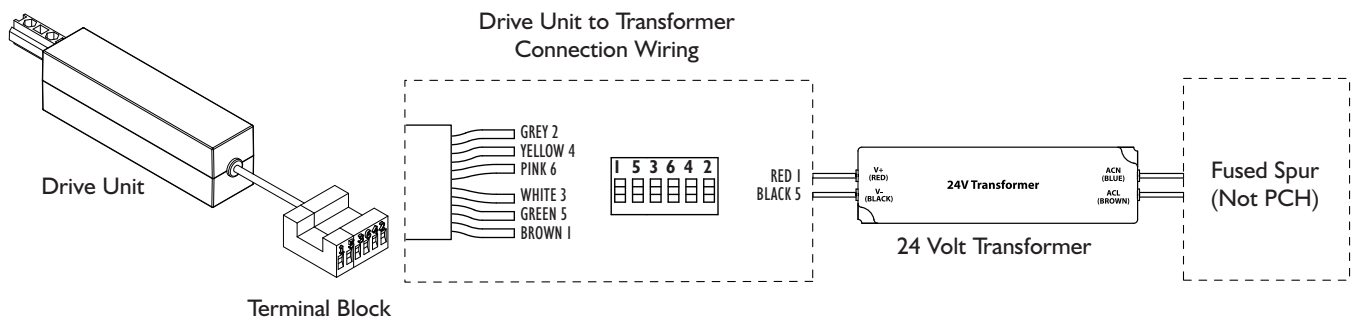
2 x Stud insert brackets

Screws shown actual size

Wiring diagram - European



Wiring diagram - UK and Ireland



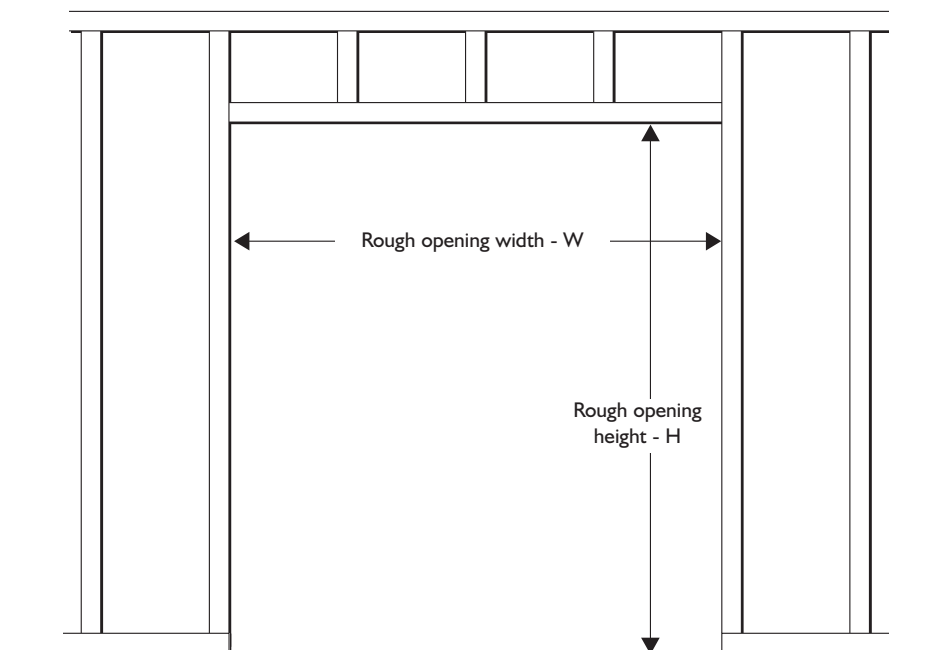
I Preparing the Rough Opening

How to calculate the opening width required

Opening width in mm = (Door width in mm x 2) + 30mm

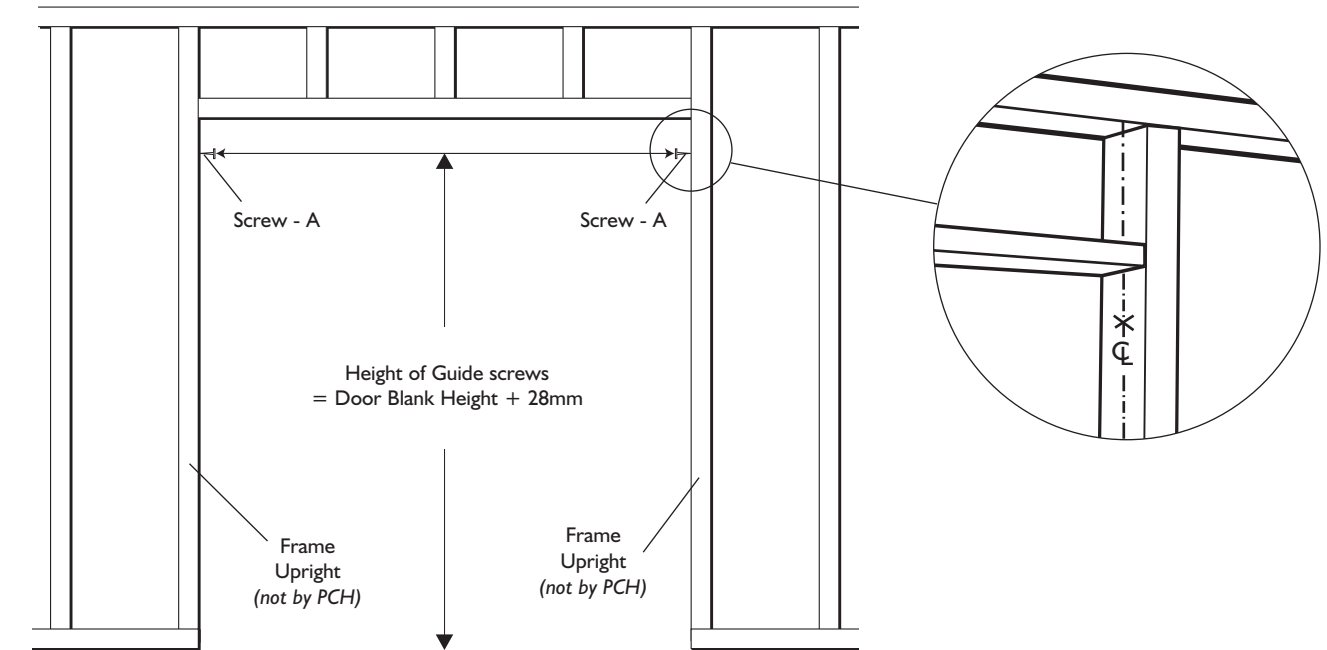
Opening height in mm = (Door height in mm) + 90mm

Note: 90mm = door floor clearance 8mm + door to track clearance 28mm + header/track clearance 54mm



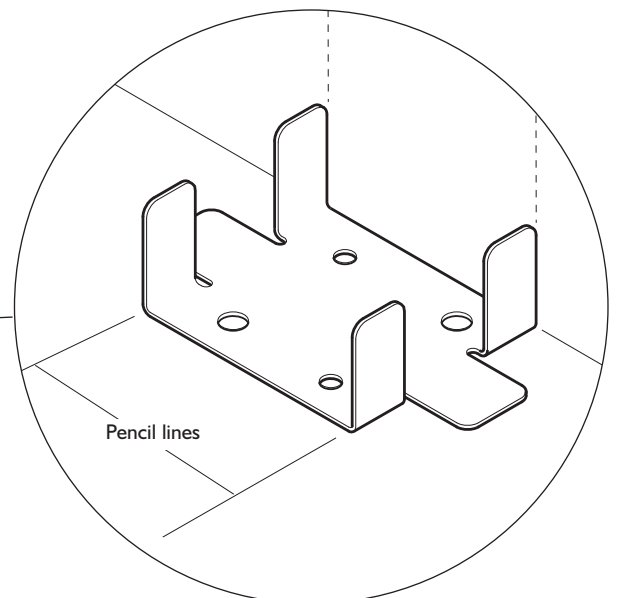
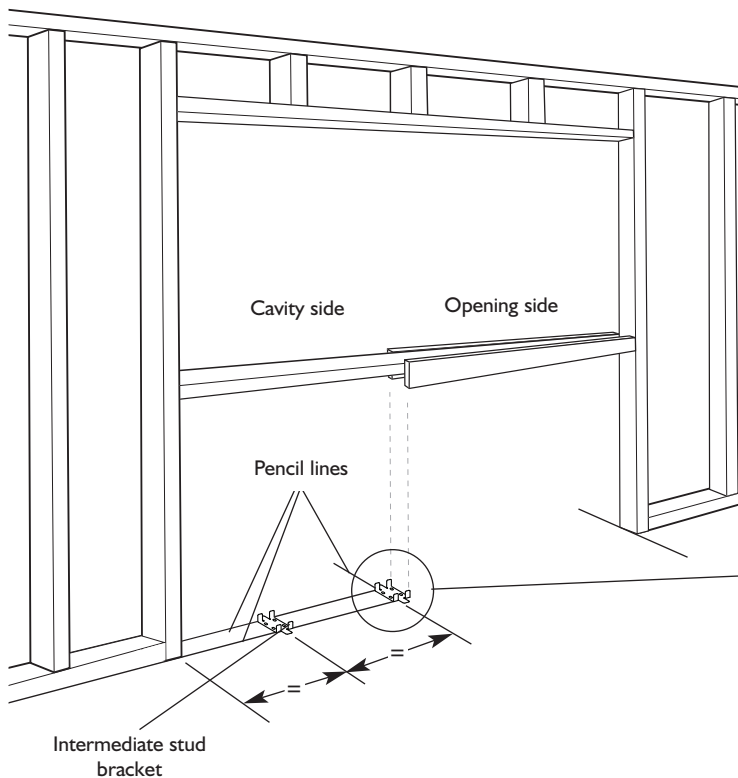
2 Install Guide screws

Fit a guide screw - A to both frame uprights of the opening at the door height plus 28mm (measured from the Finished Floor Level - FFL). The screws should be fitted on the centre line of the cavity, refer to diagram for details.
Fix both screws into the frame until the head of the screws are protruding about 3mm from the frame uprights.



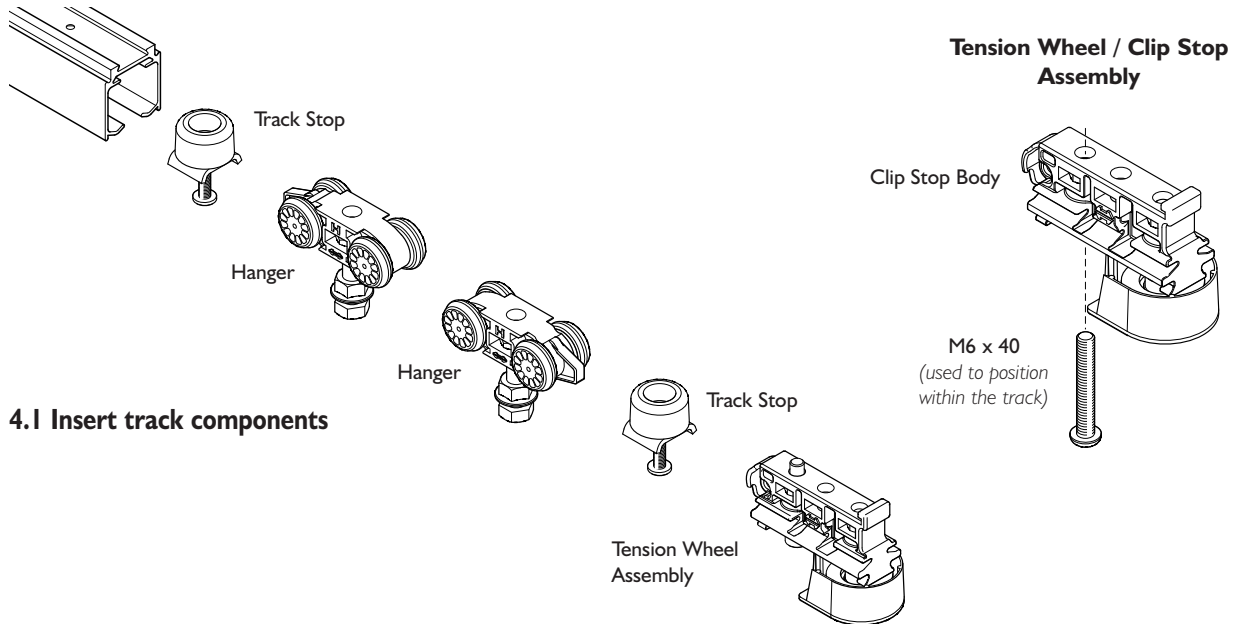
3 Fit stud insert brackets

Using the Track and Head assembly as a template, mark on the floor between the vertical uprights with a soft pencil the lines as shown on diagram. These lines are the position of the stud insert bracket near the pocket opening. Fit remaining stud insert bracket half way between the rough opening upright and the first fitted stud insert bracket using screws - D. (See step 11)

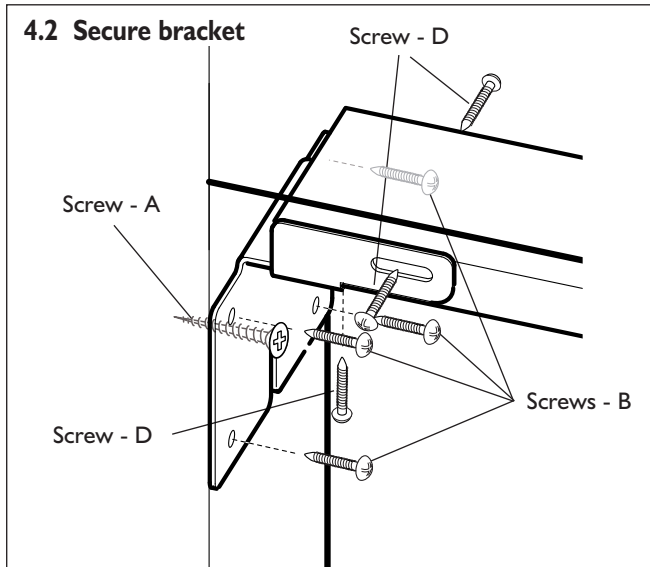


4 Fitting the track & head assembly

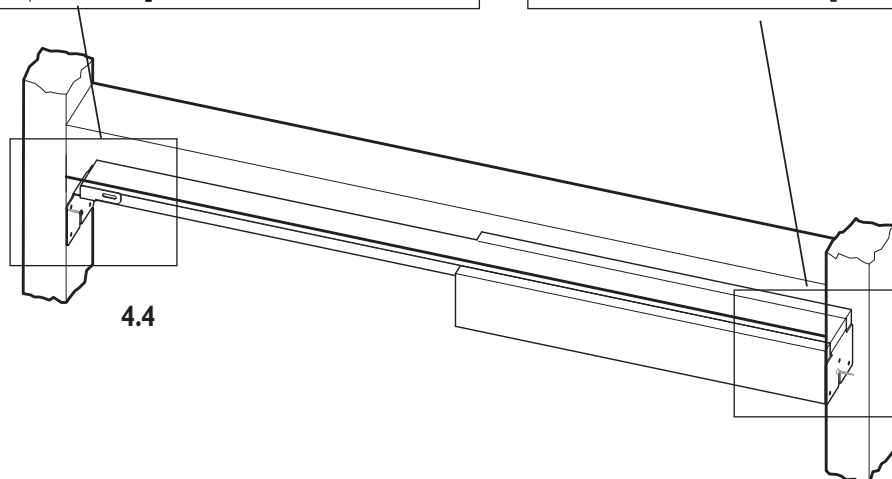
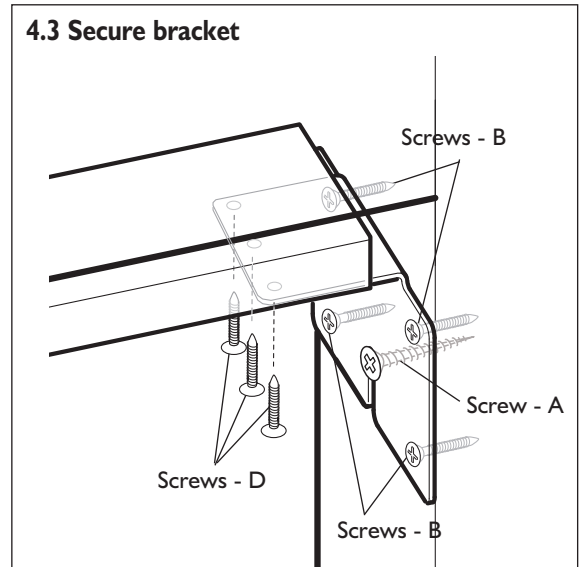
Insert both hangers and Track Stops into the track with the hanger 'ears' facing the Track Stops at each end of the track (4.1). Carefully lift the Head and Track assembly into the opening, then hook the metal brackets at both ends of the assembly on to the protruding guide screws fitted earlier. Then rotate the assembly into the final upright position (4.4). Whilst holding the assembly with one hand, screw the guide screws home at both ends. This should hold the Head and Track assembly in position with friction. Do not let go of the assembly if it is not held securely in place by the screws. Using a spirit level, check and correct the assembly ensuring it is level in all directions. Using screws B secure end brackets (4.2 & 4.3).



4.2 Secure bracket

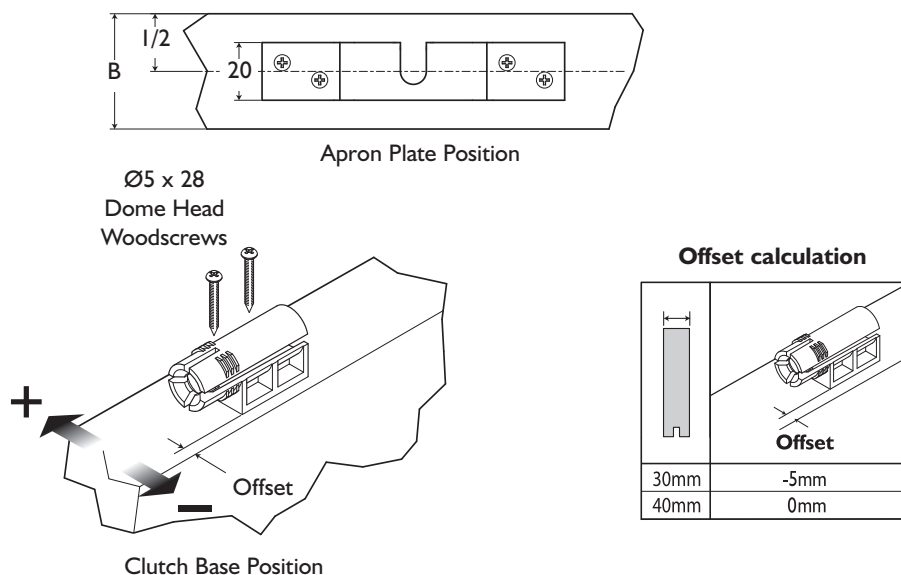


4.3 Secure bracket

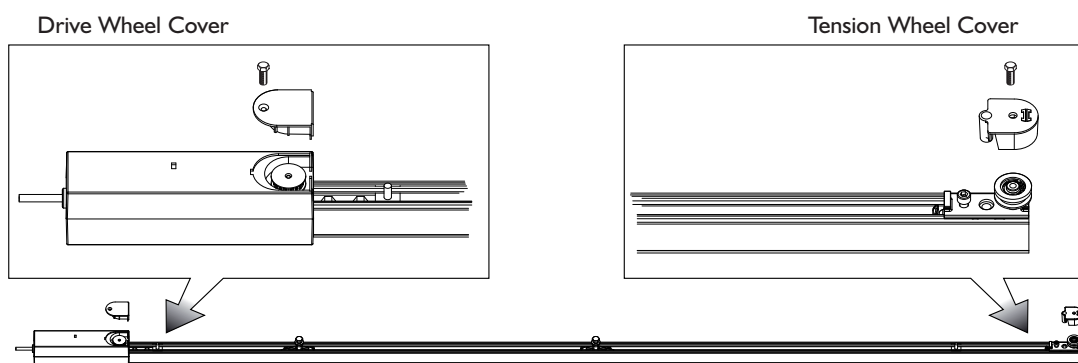


5 Fitting the Apron Plate & Clutch base to the door

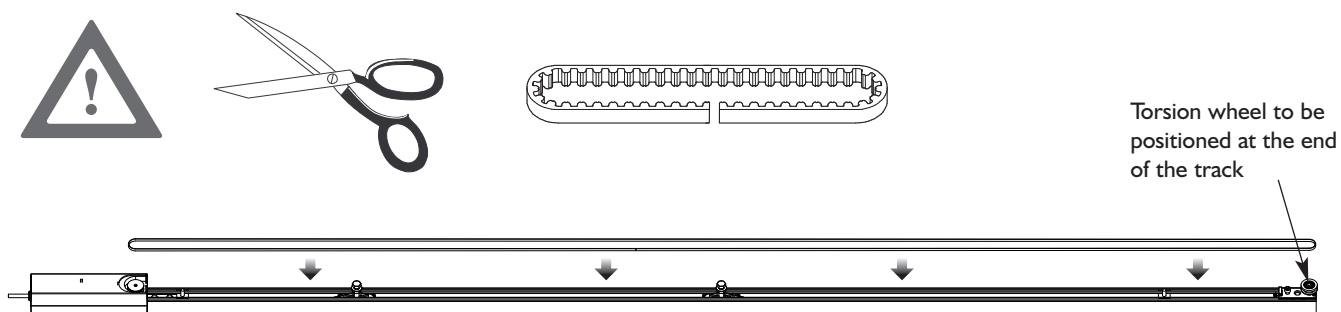
The centre of the apron plates must be no closer to the corners of the door than 280mm on the open side & 80mm on the cavity side. Position the centres of the apron plates along the centre of the door blank. Using screws E fix both the hanger apron plates on to the top of the door. Position the clutch base centrally between the two apron plates & flush with the edge of the door.



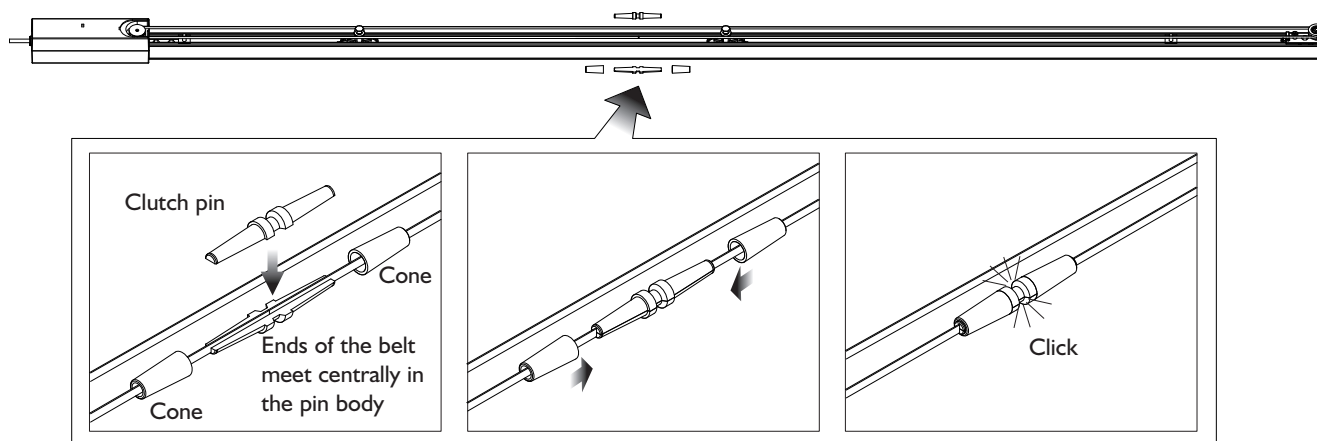
6 Remove covers to allow linear timing belt to be attached



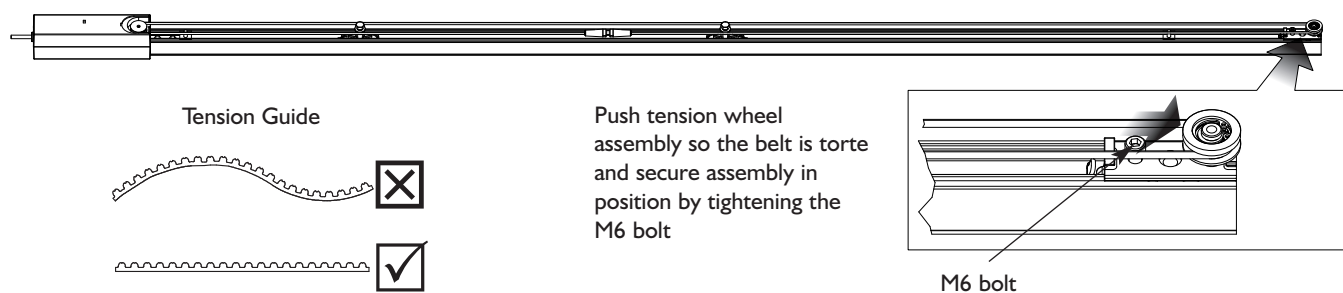
7 Cut linear timing belt to length (no overlap required)



8 Fit clutch pin to connect both ends of the linear timing belt

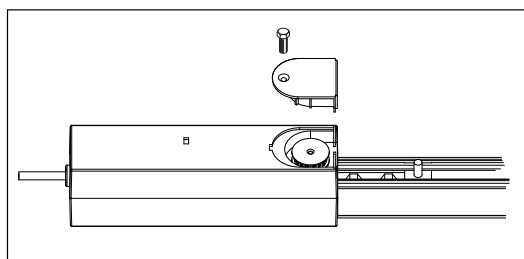


9 Tension linear timing belt

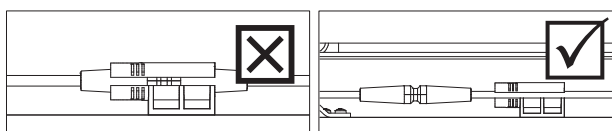
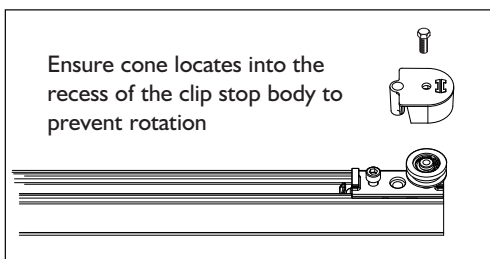


10 Refit drive wheel and tension wheel covers

Drive Wheel Cover

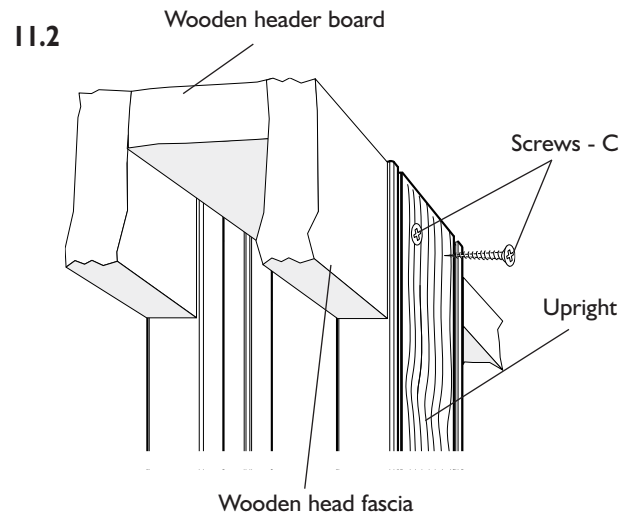
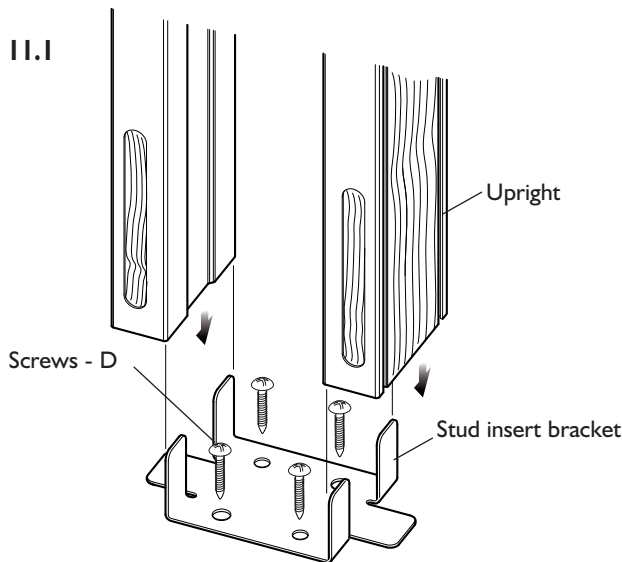


Tension Wheel Cover



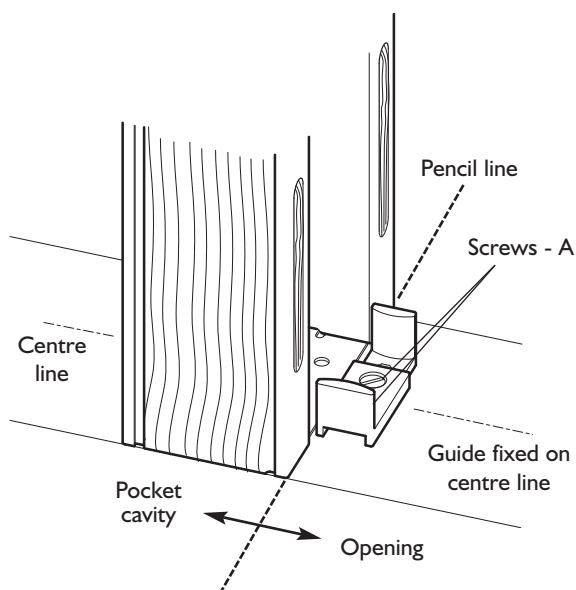
11 Fit uprights

Slot first upright into stud insert bracket (11.1) and line the top of the upright against the side of the wooden head fascia. Check upright for vertical alignment with a spirit level, then screw the top of the upright to the wooden header board through the slots on the back of the upright. Repeat this for the second upright on the opposite side. Slot the third upright on the intermediate stud insert bracket, use a spirit level to check vertical alignment and then screw the top of the upright in to the wooden header board, through the slots on the back of the upright, (11.2). Repeat step for the fourth upright on the opposite side.



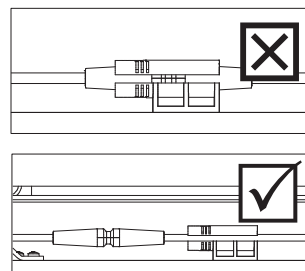
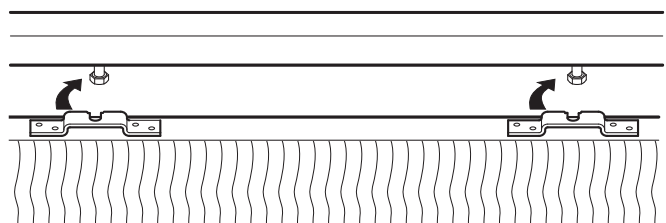
12 Installing the guide

Using screws A position the guide assembly on the centre line of the cavity and in front of the stud insert bracket, checking the distance between the guide uprights is correct for the thickness of the door before screwing down to the floor, do not overtighten.

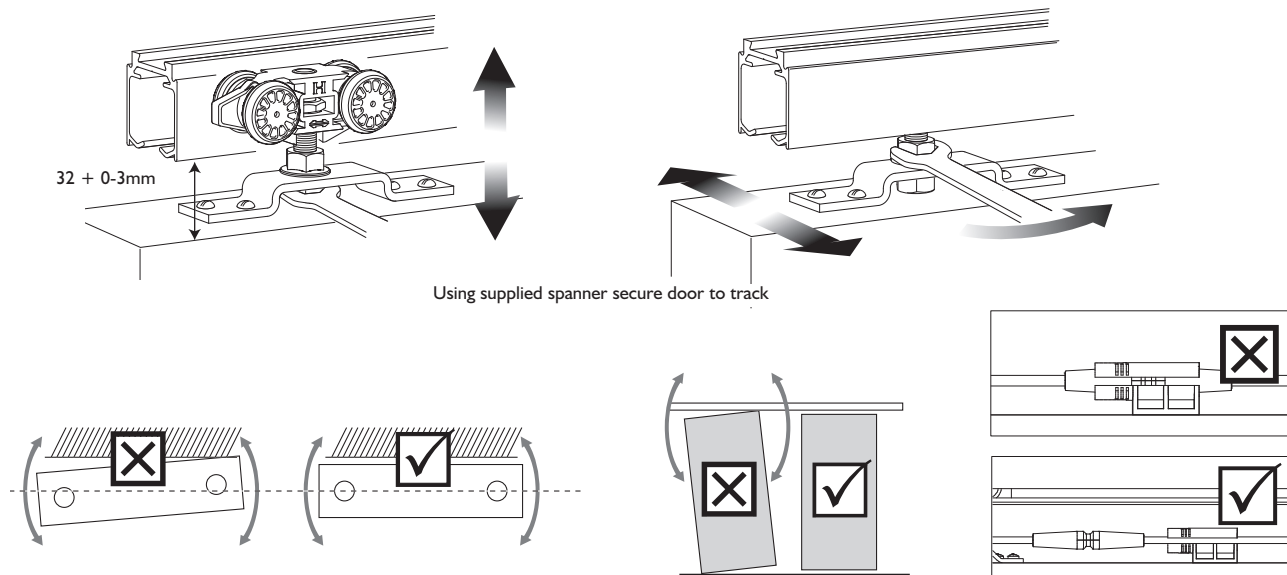


13 Hanging the door

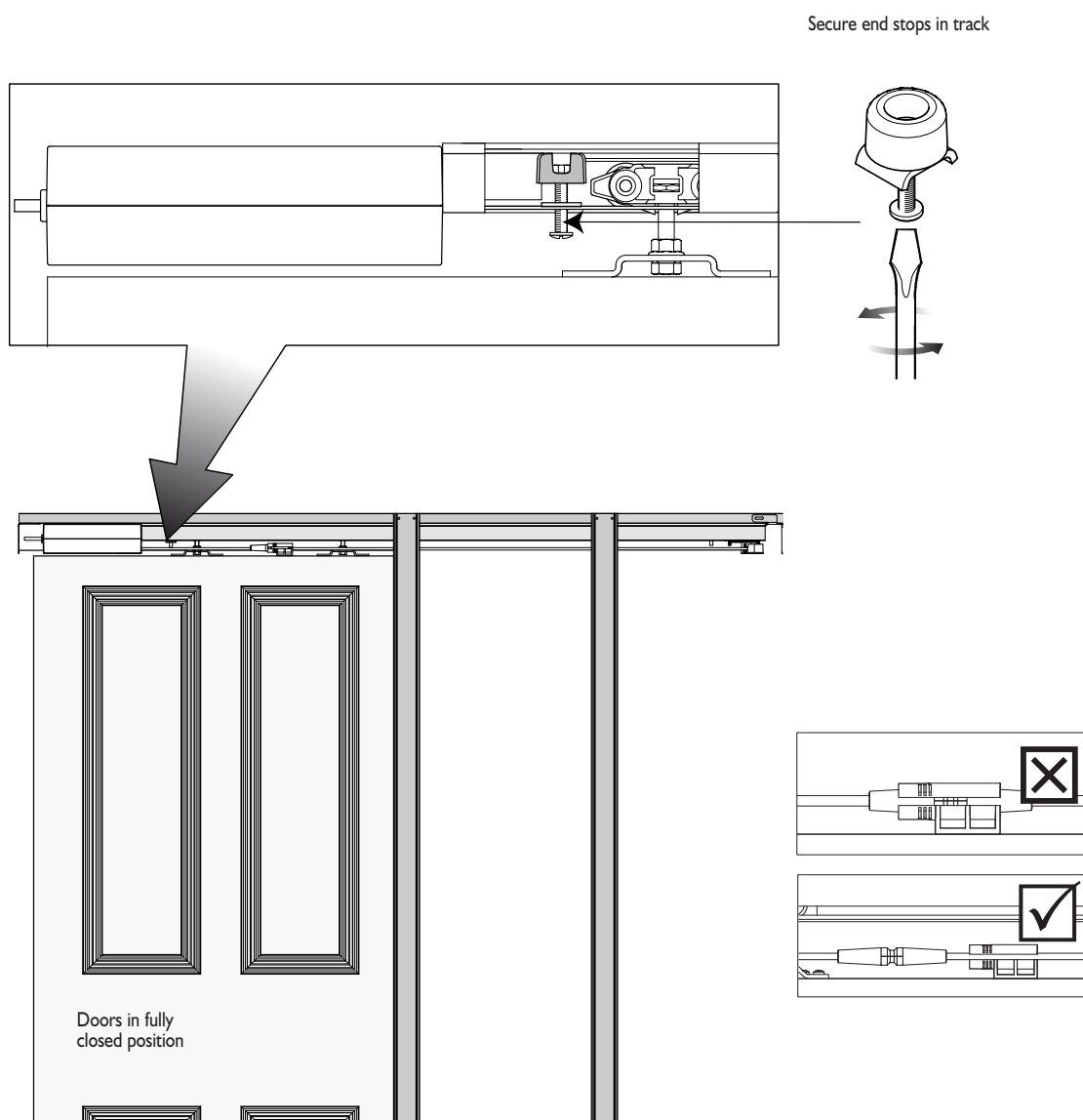
Move the hangers within the track to align with the hanger apron plates on the door. Carefully hook the door, via the apron plates, on to the bolt heads hanging beneath the hangers. The bolt heads must be firmly seated on the underside of the apron plates behind the apron plate 'ears'. When in place adjust the door for height and alignment to the frame upright. When adjusted correctly screw down the lock nuts and tighten with spanner provided.



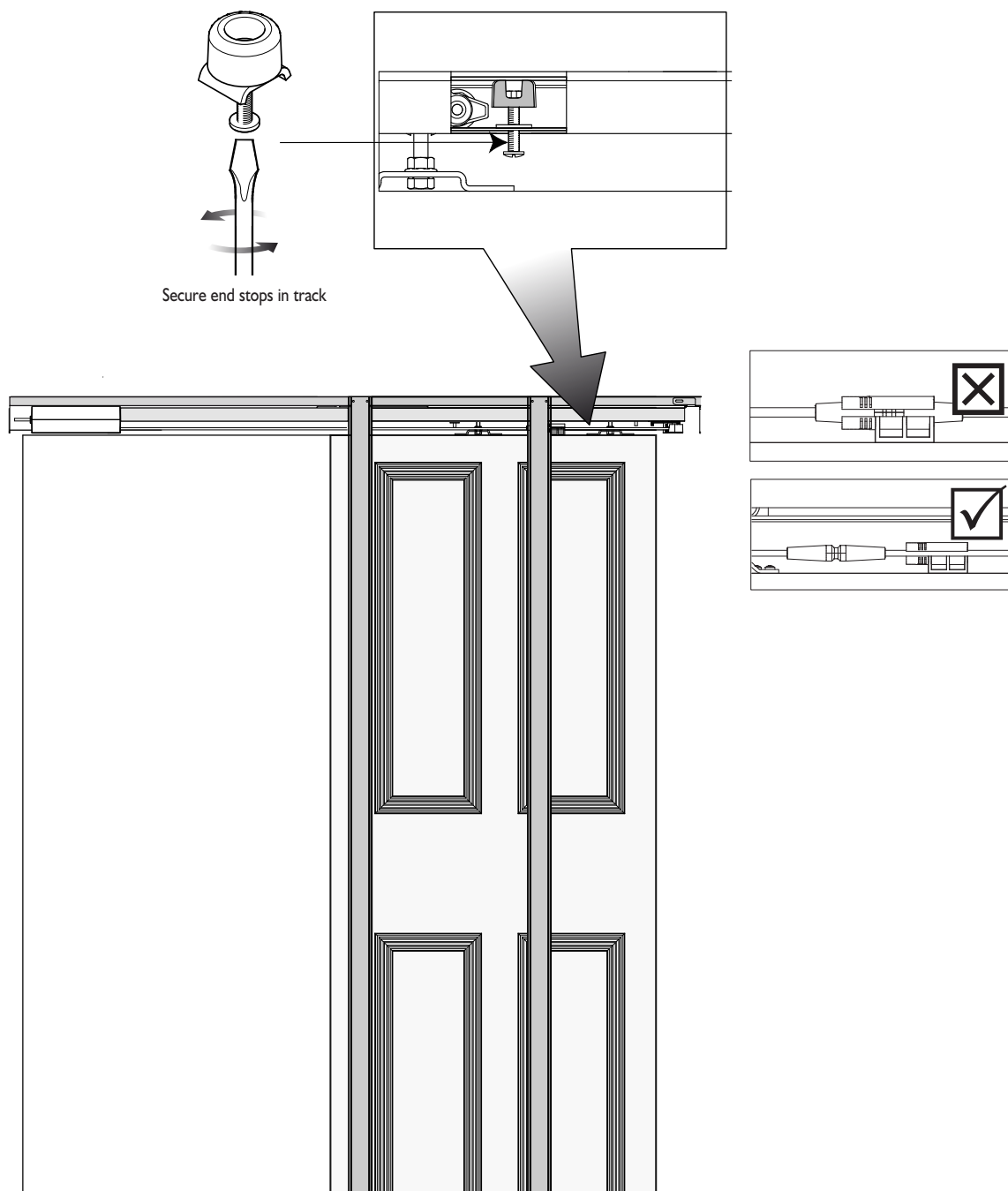
I4 Make adjustments to door position and height



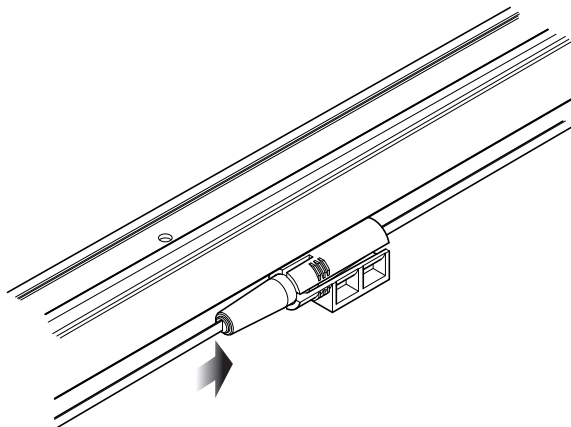
I5 Set stops in track



15 Set stops in track continued



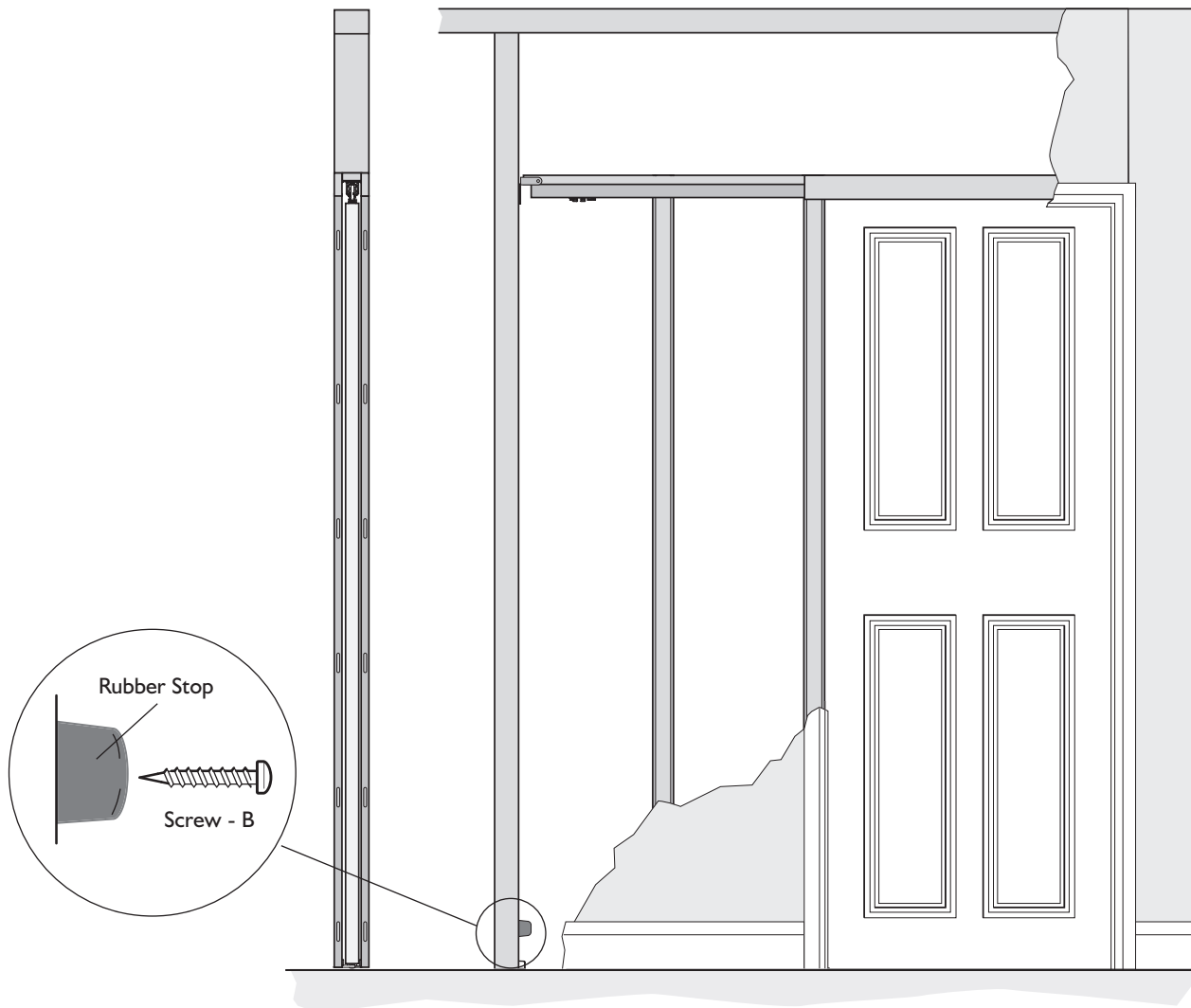
16 Engage the clutch pin into the base then follow drive set up instructions



For English language operation instructions & external motion /sensor wiring please refer to the the drive unit manufacturer manual from page 49.

17 The finishing touches

Now with the door hung, position the clip stops to the desired positions within the track to limit the travel of the door, then tighten the clip stop bolts to fix in position. Remember that when the door is in the open position there will have to be enough of the door protruding from the pocket to pull the door shut. Alternatively the door may be flush with the pocket if used in conjunction with the Henderson 395 flush door lockset. Screw the rubber stop supplied into the frame upright on the pocket side, in alignment with door, at a height of approximately 50mm above the FFL. When the installation of the Henderson Pocket Door Kit is complete and the door is running smoothly, the plaster board panels can be fitted to the uprights to create the wall pocket, and then the desired mouldings and skirting board to finish off.



Ironmongery available

To complement the installation of your Henderson Pocket Door System, we can supply a range of flush pulls and lock catches. Please contact P C Henderson sales department for further information.

Reducing the kit size

Kits can be reduced both in height and width to meet particular door sizes. To reduce the height of a kit cut down the uprights by the same amount, starting from the bottom of each upright (avoid cutting through the side slots). To reduce the width of a kit cut down the track and head assembly separately, and in equal proportion, to achieve the length required.

For further information contact the PC Henderson Technical Department.

Please note

The original languages of these instructions are English.

The airborne noise of the system under normal operating conditions does not exceed 70dB (A).

General safety precautions

This installation manual is intended for professionally competent personnel only.

Installation, electrical connections and adjustments must be performed in accordance with Good Working Methods and in compliance with applicable regulations. Before installing the product, carefully read the instructions. Bad installation could be hazardous.

The packaging materials (plastic, polystyrene, etc.) should not be discarded in the environment or left within reach of children, as these are a potential source of hazard.

Before installing the product, make sure it is in perfect condition.

Do not install the product in an explosive environment and atmosphere: gas or inflammable fumes are a serious risk hazard.

Before installing the system, ensure all structural changes relating to safety clearances and protection or segregation of all areas where there is risk of being crushed, cut or dragged, and danger areas in general.

Make sure the existing structure is up to standard in terms of strength and stability.

Each installation must clearly show the identification details of the motorized door or gate.

Apply hazard area notices required by applicable regulations.

The electricity supply must be isolated at its source before attempting installation or maintenance.

Disclaimer

PC Henderson nor the drive unit manufacturer take responsibility for failure to use Good Working Methods in building the frames to be motorized or for any deformation occurring during use.

PC Henderson & the drive unit manufacturer declines all responsibility in the event of component parts being fitted that are not compatible with the safe and correct operation.

For repairs or replacements of products only original spare parts must be used.

Installer responsibility

The installer should provide technical documentation once the installation is complete, this should include

- EC declaration of conformity with the machinery directive
- Installation manual
- Maintenance / Trouble shooting guide (supplied in the drive unit manufacturer operation manual)

The installer is also responsible for affixing final CE mark upon the installation.

Manufacturers Declaration of Incorporation

Manufacturer: **PC Henderson Ltd**
Durham Road
Bowburn
Durham
DH6 5NG

Telephone: 0191 377 7345

Fax: 0191 377 3116

Hereby declares that the electromechanical automatic door operating system

Evolve 80

Evolve 80 SIM Kit

Evolve 60 Pocket Door Kit

Are intended to be incorporated into machinery or to be assembled with other machinery to constitute machinery covered by directive 2006/42/EC

It is in conformity with the provisions of the following directives:

Electromagnetic Directive 2004/108/EC

The technical file is maintained at:

PC Henderson Ltd

Durham Road

Bowburn

Durham. DH6 5NG

The authorised representative located within the community is:

Fergus Pickard

Product Development Director

PC Henderson Ltd

Durham Road

Bowburn

Durham. DH6 5NG

The above named undertakes to transmit in response to a reasoned request by national authorities, relevant information on the partly completed machinery.



Fergus Pickard, Product Development Director

Bowburn, Durham

25/07/12

Operating Instructions for Evolve Automation Sliding Door system

Release operation

In the event of malfunction or if there is no mains power supply, move the door manually.

General Safety Precautions

The following precautions are an integral & essential part of the product and must be supplied to the end user. Read them carefully as they contain important indications for the safe installation, use and maintenance. These instructions must be kept and forwarded to all possible future users of the system. This product must be used only for that which it has been expressly designed; any other use is to be considered improper and therefore dangerous.

The manufacturer cannot be held responsible for possible damage caused by improper, erroneous or unreasonable use.

Avoid operating in the proximity of moving mechanical parts.

Do not enter the field of danger of the motorised door while in motion.

Do not obstruct the motion of the motorised door as this may cause a situation of danger.

Do not lean against or hang on to the barrier when it is moving.

Do not allow children to play or stay within the field of action of the motorised door.

Keep remote control or any other control devices out of reach of children, in order to avoid possible involuntary activation of the motorised door.

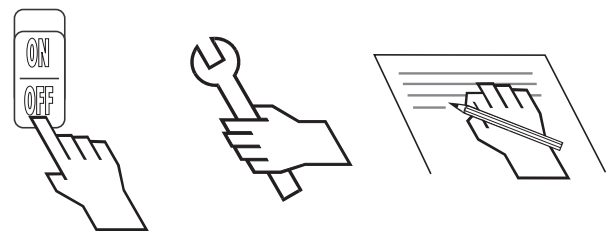
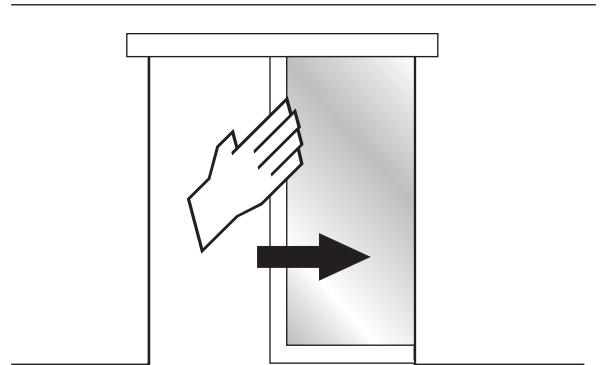
In the case of breakdown or malfunction of the product, disconnect from the mains, do not attempt to repair or intervene directly & contact only qualified personnel.

Failure to comply with the above may create a situation of danger.

All cleaning, maintenance or repair work must be carried out by qualified personnel.

In order to guarantee that the system works efficiently and correctly it is indispensable to comply with the manufacturers indications thus having periodic maintenance of the motorised door carried out by qualified personnel. In particular regular checks are recommended in order to verify that the safety devices are operating correctly.

All installation, maintained and repair work must be documented and made available to the end user.



Installer training available upon request, please note this attracts a fee.

INSTALLER

EC Declaration of Conformity - Machine Directive 2006/42/CE Schedule II Part 2

Manufacturer:

PC Henderson Ltd

Address:

Durham Road, Bowburn, Durham, DH6 5NG

Name & Address of authorised installer: _____

Hereby Declare:

Henderson

☐

Evolve 80

☐

Evolve 80 SIM Kit

☐

Evolve 60 (Pocket door)

Installed at (Installation address): _____

Conforms to Directive:

☐

2006/42/CE – Machine Directive

State that it fulfils the applicable portions of the following standard

☐☐☐☐

Date & location of Signature: _____

Signature of the person legally responsible: _____

**This completed document forms part of the European conformity (CE marking) – to be
completed by installer & forwarded to end user.
Must be kept for ten years from installation date.**

Markings

Each installation must clearly show the identification details of the motorized door or gate. The installer should apply hazard area notices required by applicable regulations, such as that shown below.

The installer must affix & complete the data tag supplied to the final installation in a suitable prominent position.



www.pchenderson.com

P C Henderson Limited
 Durham Road, Bowburn,
 County Durham,
 DH6 5NG, UK

Tel: +44(0)191 377 7345
 e-mail: sales@pchenderson.com

INSTALLER

DATE



The installer must affix warning signs to the installation on both sides of the door, similar to those shown.



Installer to complete with contact details; Address & telephone number; to be completed with legible and permanent black ink.

Maintenance schedule

Turn off the power

- Clean the moving parts
- Check the belt tension
- Clean the sensors/ remote fob (where applicable)
- Check the stability of the automatic system and make sure that all screws are correctly tightened.
- Check the alignment of the door and the stop positions

Turn on the power

- Check the stability of the door and that the movement is regular and without friction.
- Check that all command functions are operating correctly.
- Check that the doors developed powers are in accordance with the present standards.

Critical Parts Maintenance Schedule

Part Description	Part Number	Description of function	Degradation of component indicators	Maintenance interval	Planned replacement schedule
Tension wheel assembly	668349			From new - Six months - once a year thereafter	#
Tension wheel sub assembly	668324	Supports belt movement within machine	Cracking - excessive wear - slipping	From new - Six months - once a year thereafter	Every 10 years of service*
Wheel cover	668323	Moving part protective cover	Cracking - discolouration - slipping	From new - Six months - once a year thereafter	#
Linear timing belt	668350 (4.5mtr); 668351(4.0 mtr); 668352 (9.0mtr)	Provides movement to doors within system	Fraying/Shearing - elongation - discolouration	From new - Six months - once a year thereafter	Every 2 years of service*
Drive unit	668320 (c/w 2 pin Euro plug) 668354(c/w 24v transformer)	Provides movement to doors within system	Repeated error messages - failure of machine	From new - Six months - once a year thereafter	#
Toothed belt wheel	By Special request only	Provides drive to machine	Stripping of teeth - discolouration - Slipping	From new - Six months - once a year thereafter	#
Toothed belt wheel cover	By Special request only	Moving part protective cover	Cracking - discolouration	From new - Six months - once a year thereafter	#
Hanger	665507	Door is suspended from Hanger	Black deposits within track / on top of door	From new - Six months - once a year thereafter	#

* = or sooner dependent upon operating conditions. # = Replacement only recommended when apparent excessive wear affects the performance of the installation

Specifications of the motorised door and installation

Customer: _____

Order Number: _____

Model & description: _____

Dimensions and Weight: _____

Location: _____

List of components installed

Motor /Drive unit _____

Switch: _____

Remote Fob: _____

Motion Sensor: _____

Sign off check sheet:

- | | |
|--|---|
| <input type="checkbox"/> Declaration of conformity filled out | <input type="checkbox"/> Henderson & the drive unit manufacturer fitting instructions |
| <input type="checkbox"/> Proof book filled out | <input type="checkbox"/> All documents left with end user |
| <input type="checkbox"/> CE label completed & installed in suitable location | <input type="checkbox"/> Signature of receipt |
| <input type="checkbox"/> Warning signs installed in suitable location | |

Warning of residual risks and of foreseeable improper use

Inform the end user of risk points regarding existing risks and foreseeable improper use.

Description of the work

☐ Installation

Details: _____

☐ Start up

☐ Adjustments

☐ Maintenance

☐ Repairs

☐ Alterations

Date: _____ Technicians Signature: _____ Customers Signature: _____

Description of the work

☐ Installation

Details: _____

☐ Start up

☐ Adjustments

☐ Maintenance

☐ Repairs

☐ Alterations

Date: _____ Technicians Signature: _____ Customers Signature: _____

Description of the work

☐ Installation

Details: _____

☐ Start up

☐ Adjustments

☐ Maintenance

☐ Repairs

☐ Alterations

Date: _____ Technicians Signature: _____ Customers Signature: _____

Description of the work

☐ Installation

Details: _____

☐ Start up

☐ Adjustments

☐ Maintenance

☐ Repairs

☐ Alterations

Date: _____ Technicians Signature: _____ Customers Signature: _____