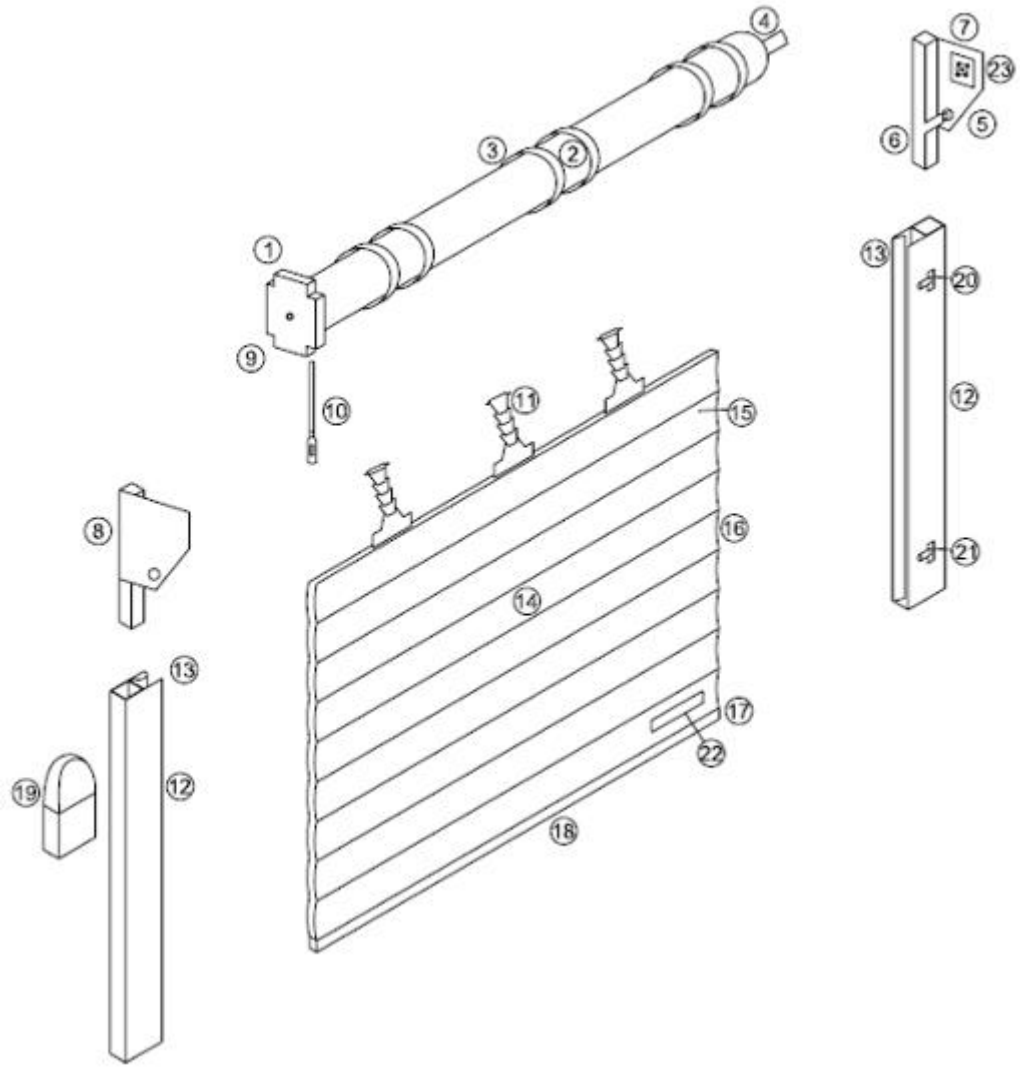
GLIDEROL
GARAGE DOORS

ROLL-A-GLIDE INSULATED ROLLER DOOR

Installation Instructions

March 2017



1. Motor
2. Axle Assembly
3. Now not applicable
4. Octagonal Plug End
5. Shaft Support Bracket
6. Guide Rollers
7. R/H End Plate
8. L/H End Plate
9. Override Adapter
10. Override Eye
11. Rigid Links
12. Guide Rails
13. Brush / Wear Strips
14. Curtain Assembly
15. Door Laths
16. Locking Caps
17. Bottom Lath
18. Rubber Seal
19. Control Unit
20. Now not Applicable with Nrg System
21. Now not Applicable with Nrg system
22. Door Transmitter
23. Safety Brake (standard on all 77mm doors)

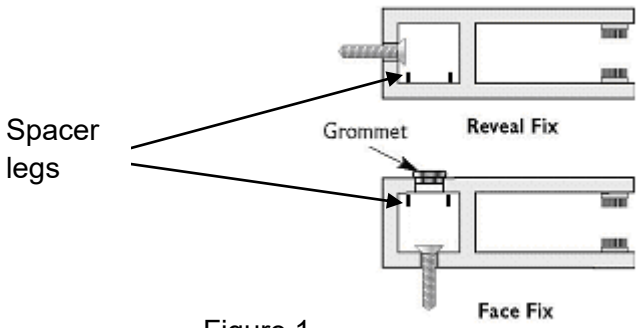
Pre-installation Checks

Ensure that the site is clear and that all fixing surfaces are sound and free from loose plaster or masonry. Ensure the opening has no irregularities that could damage or mark the optional back box or curtain. Please ensure both walls are parallel before commencing installation.

Preparing the Door and Guide Rails

The door curtain and guide rails will be fully packaged when delivered.

The guide rails should be unpacked and placed either side of the opening. The guide rails are designed with spacing legs inside to ensure a good fit with the head plate. Ensure that the guides are the correct way round, positioning the spacer legs away from the wall (Fig. 1).



Example illustrates left hand guide (as viewed from the inside of the garage).

N.B. If fitting externally, example is also left hand guide, but as viewed from *outside* of the garage.

Figure 1

Step 1 - Setting Out Your Installation

If your door is fitted with a back box please move to step 2 as the overall size is pre-set.

If your door does not have an optional back or front box please use these layout instructions. To determine the location of the guide / end plate you must measure the width of the door curtain, not including the plastic end locks. Add 110mm (with 90mm guides only) to this measurement to calculate the overall manufactured door width (back of guide to back of guide). Measure the garage door opening and deduct this measurement from the overall width, whatever size is remaining is divided in two and marked on the garage wall as the overall door position.

Step 2 - Preparing the Guide Rails

Drill fixing holes **(7mm)** through the side channel box section starting 150mm from the bottom and evenly space thereafter, your last hole should be 150mm from the top of the guide. Enlarge your fixing hole **(10mm)** on the Inside face of the guide section to accept the cover grommets.

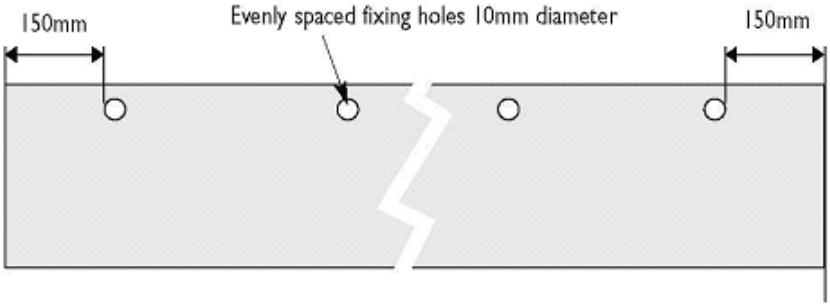
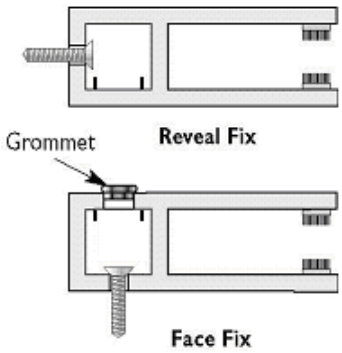


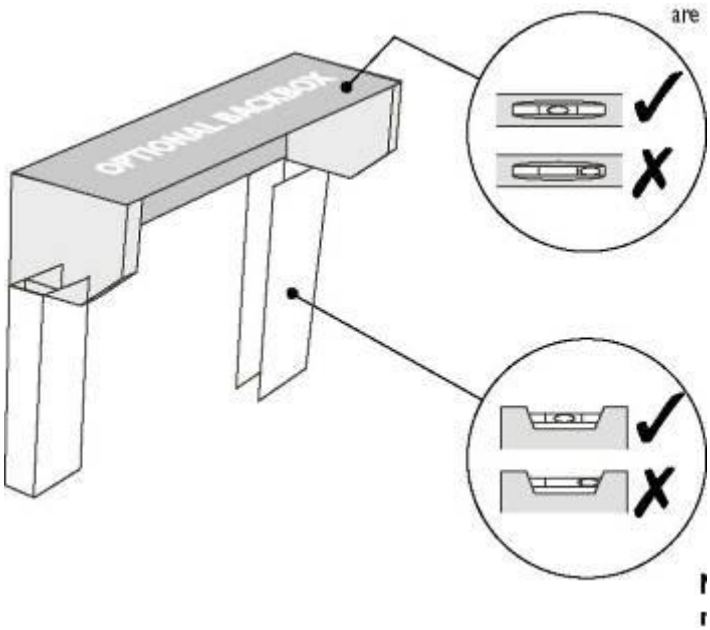
Figure 2



Example illustrates left hand guide (as viewed from the inside of the garage).

N.B. If fitting externally, example is also left hand guide, but as viewed from ***outside*** of the garage.

Step 3 - Assembling & Fixing the Door Guides & Plates



Fit the end plate 'peg' into the top of the guide section box and stand the guides upright. Level the guides with the garage opening. Check the vertical guides are level on both sides as well as horizontal across the plates.

Using horizontal (short) edge of level (top edge)

Figure 3

Step 4 - Fixing the Guide Sections

Fix the guides into place using the fixing holes previously drilled ensuring that the guides are vertically plumb and level. Do not over tighten the fixings to compensate for mounting surface distortions, please pack guides if required.

PLEASE ENSURE FIXINGS USED ARE SUITABLE FOR THE GARAGE WALL BUILD PROPERTIES

Step 5 - Fixing the Head Plates

Fix the head-plates into position ensuring that the head-plates are level and that the locating pegs are fully located into the guide section. Fix securing screws through back of head-plate and attached securely to the wall. Where a back box is fitted it may be necessary to fix the back box to the opening header to stop any marking of the curtain during door operation. If additional fixings are required in the back box, use countersunk screws, ensuring that the screw heads do not protrude, as curtain damage could occur.

Always ensure that the back box is adequately fixed to eliminate any rubbing of the curtain on the back box during the door operation.

Step 6 - Motor Barrel Assembly

Once the end plates are in position, the motor can now be mounted. The barrel should be lifted and the non-motor end (dummy end shaft) inserted into the safety break (note that the safety break must be fitted to the end plate with the semi-circular shape facing upwards (smiling). As you slide the barrel into the break place the bride (see Figure 4b) into the groove of the dummy end shaft. Place the 2 holes of the bride over the safety break and fasten the 2 diagonal nuts and bolts. The opposite end of the barrel (motor) should then be lined up with the four mounting points on the head plate and secured (see Fig. 4a). Note that the anti-drop break is pre-installed on the head plate on the non-motor end of the door and the motor adaptor bracket is also pre-installed within the motor. The non-motor end of the barrel has an adjustable adaptor which allows the barrel to be decreased in overall length to allow it to fit in between the two head plates.

Once you are confident that the door curtain is correctly positioned within the guides then you must fasten the collar (see Figure 4b) against the dummy end as close as possible to the octagonal shaft and tighten the grub screw to stop any lateral movement of the dummy end shaft .Once tightened drill dummy end spline with a 3mm drill bit and screw a self drilling screw next to the collar to prevent the possibility of the dummy end collar moving in the event of the collar grub screw coming loose.

Please Note: For extra security before tightening, the grub screw can be removed and a dimple hole drilled then replace screw and tighten (applies to both collar A & B)

Push Collar B (See Fig 4B) tight against bridle and tighten grub screw.

Now collars are tightened and adjustable adapter is securely in place, drill and screw the end of adjustable adaptor with 2 self-drilling screws supplied. The label on octagonal tube states v the screw goes in. The position can only be gained once collars A & B are secure.

Figure 4a

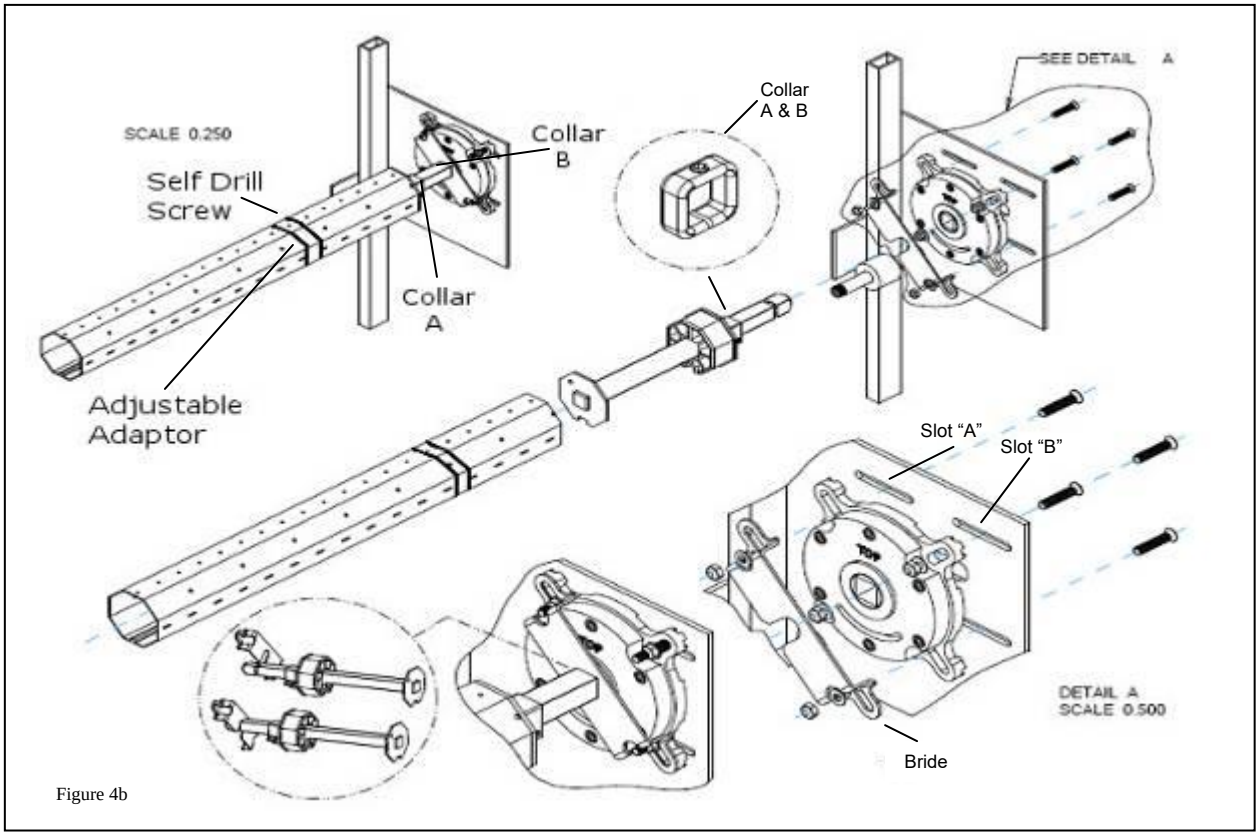


Figure 4b

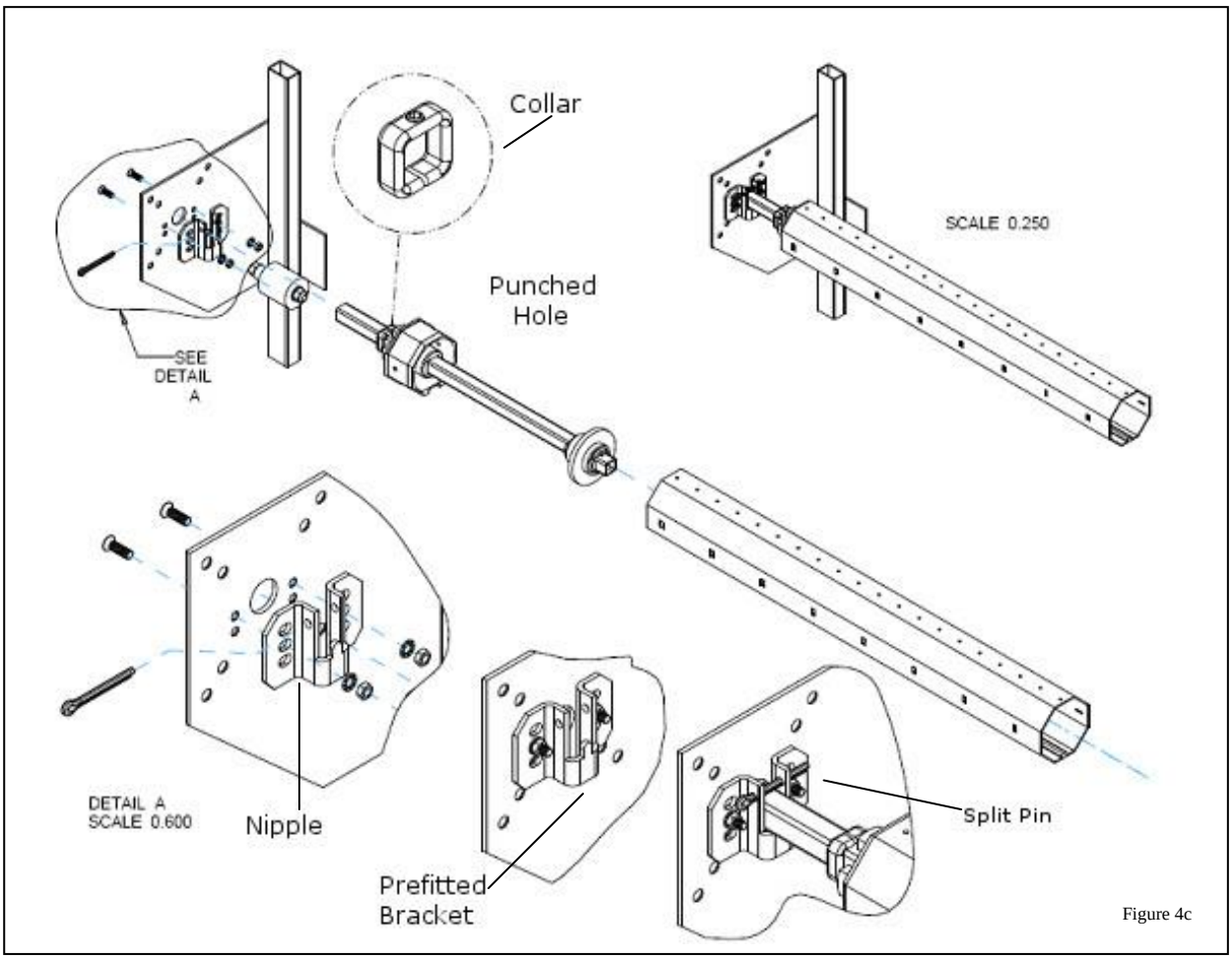


Figure 4c

Step 7 - Installing the Manual Over-ride

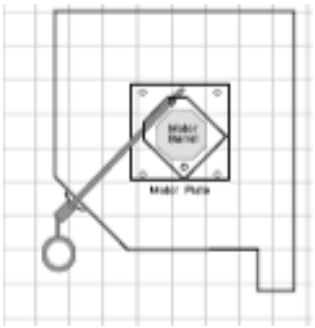


Figure 5

Please note that a notch is required in the head plate to allow the manual over-ride to pass through.

Push manual over-ride adaptor through notch, passing through the over-ride eye on the motor and secure with screw at the top of the motor (**Fig. 5**).

Step 8 - Mounting and Connecting the Controls

Please see installation instructions supplied with the control box.

Step 9 - Installing the Door Curtain

Figure 6

(1) The Door curtain is delivered ready rolled for installation with the bottom section to the outside of the roll. To ensure the curtain does not get scratched during installation, the motor barrel metal tube should be covered by cardboard or bubble wrap.
(2) Lift the curtain rolled and feed the bottom rail over the barrel section into the guides.
(3) Feed the door into the guides approximately half way. Un-roll the remaining curtain, so the curtain is hanging over the motor barrel **(see Fig. 6).** Gently lower rest of curtain into guides, ensuring no damage to the back of lath whilst lowering.

. ***Please note the rigid links or curtain connectors (fig 7) are connected to the top lath during curtain assembly.***

Figure 7.

To connect the rigid link to the centre axle/barrel, slide the locating arm on back of the rigid link (see figure 8) into the square hole on the barrel then tap the link across to insert both locating arm's into the barrel.

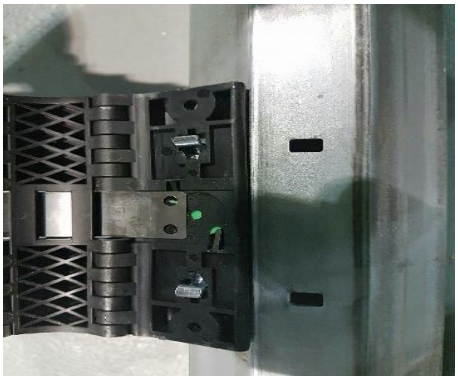
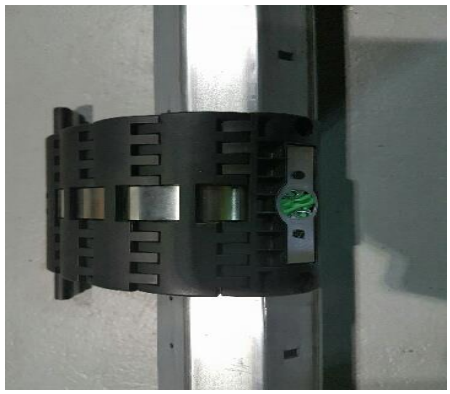


Figure 8

Figure9



Once the rigid link is connected into the barrel as (figure 9) turn the locking dial clockwise using a screw flat blade screw driver or a 2p coin works well to lock locating arms into position.

Once all the links are in position please use the pan head screws provided in the hardware box and screw the rigid links to the axle through the counter sank holes either side of locking dial.

Step 10 – Wiring motor to the control box.

Unless you are setting your travel limits by a test lead please refer to the relevant control system manual.

NR09 setup guide

Rolixo Rts control box.

Step 11 - Setting the Motor Travel Limits

PLEASE NOTE: We have two types of motor limit set: 'Rotation' and 'Push Button'.

Figure 10 Rotation limits

Please note the large arrows on the motor gear box these are directional arrows which

relate to the direction of rotation of the barrel during operation.

To set the travel limits use the hand tool provided in the hardware box (looks like an ariel) and run the door using the direction buttons on the control box the desired direction.

Use the hand tool to turn the motor screw limits in the direction required to the + Increase door travel
- Decrease door travel

Until you reach the desired door travel open and close.

NOTE:- When setting the downward travel the door will be in hold to run as the safety system is currently not commissioned to allow one touch operation.

Push button motors (Somfy)

To set the push button motor limits

Remove the yellow cover, on the motor gear box, usually pops out with a small flat blade driver.

You will see a yellow and white buttons. Each button has an arrow next to it again as above relates to direction of travel during operation.

To set the limit push the limit in till it clicks in position operate the door by the control box or using the manual override handle until you reach the desired travel then unclick the limit button.

Repeat the above with the other direction travel limit.

The motor unit has an inbuilt thermal trip unit which will activate once the motor unit reaches a pre-determined temperature. Repetitive usage during the limit fine adjustment process can cause the motor to cut out. Please wait approximately ten minutes for the unit to return to a normal operating temperature.

Step 12. Commissioning of control system

Please refer to the relevant instruction manual which applies to the control system supplied.

Nrg Nr09 setup guide

Somfy Rolixo RTs setup guide.

Step 13 - Fitting the Optional Internal Cover

The optional internal cover can only be installed once the limits are fully set.

(1) Clip the internal cover into the back box top retaining lip at approximately 10 degrees **(See Fig 10)**.
(2) Once clipped along the entire length of the back box top lip place the internal cover tight to the head plates.
(3) Drill and fix in place with self-tapping screws or pop rivets.
(4) Drill a hole in the front box to allow the manual over-ride adaptor to pass through and locate into the over-ride eye on the motor unit. Please note that over-ride adaptor should now be stored securely with the crank handle,

and not permanently fixed.

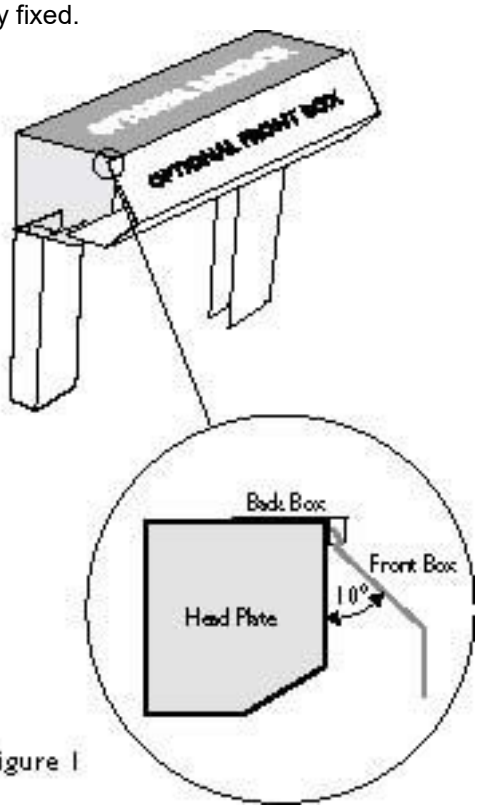


Figure 1

Figure 1

Additional accessories

The following accessories are available for use with your Roll-a-Glide door:

External manual release Standard Key Pad Additional Handset Anti vandal key pad

Electric Photo Cell Anti tamper key switch Rocker Switch (open/close)

Maintaining good working order of your door

The door is essentially a low maintenance product but certain simple check as carried out regularly, will ensure extended trouble free operation.

CLEANING

1. Periodically wash the door curtain with warm soapy water using a soft cloth.
2. Check and clean out the guide tracks, removing any accumulated leaves and debris.
3. Ensure door closes onto a level clean surface.
4. Clean photocell lens and reflector using a damp soft cloth.

SAFETY

Regularly check bottom safety edge for correct operation. Do this by operating the door in the downward cycle and placing your arm under the door, the door should stop and auto reverse then come to a stop.

Problem Solving

If you have any problems installing your Gliderol door please contact our main office on 01915180455 and ask for Technical support.

How to avoid costly service calls

Problem	Action
1: Door does not operate	* Check electrical supply to unit; * Press hand set button again; * Check light flashing sequence * Check fuse on plug and replace is necessary
2: Drive motor operates but door does not move	* Ensure rigid links are still attached to the door
3: Door auto-reverses after closing fully	* Check for obstructions
4: Door runs erratically	* Check control box light sequence; * Ensure safety edge is intact and magnets are positioned correctly or fallen off.
5: Door open and closed positions are incorrect	* Call a qualified installer - **DO NOT TRY TO CORRECT THIS PROBLEM YOURSELF, IT COULD LEAD TO HARM**
6: Hand set range diminishes	* Replace hand set battery * Check position of antenna on unit to ensure it is straight * You may experience interference with other networks in the area, for example pylons * Operate the handset within sight of the door
7: Handset does not open door	* Replace hand set battery * Check position of antenna on unit to ensure it is straight * Check that the hand set has been programmed for the door
8: Door auto reverses before it is closed	* Check sensitivity setting on the circuit board. * Check door is not jammed in tracks * Ensure safety edge is intact and magnets are positioned correctly or fallen off.

9: Door stops during opening	* Check sensitivity setting on the circuit board. * Check door is not jammed in tracks * Check control box light sequence * Ensure safety edge is intact and magnets are positioned correctly or fallen off.

Maintenance for consumer

Do	Don't
Record the serial number of the unit for future reference	Do not continuously operate the unit or "play" with the handset
Remember that a normal common sense approach to all components will result in years of satisfactory service	Do not hold the hand set button down for more than 1 or 2 seconds and this will flatten the battery quickly
Check the fault finding chart before you call for service	Do not operate the door until in view
Remove plug from power socket to isolate the unit.	Do not allow children and pets to play around the door
Change the handset battery periodically	Ensure nothing is blocking the garage
Treat the handset with care - most faults are caused through dropping the handset	If door is operated to often in a short period of time, the motor will cut out thermally. You can retry again after approximately 30 mins later
Check door in adverse weather conditions	We do not warrant the back of the door

Declaration of Incorporation

SUPPLY OF MACHINERY (SAFETY) REGULATIONS 1992

E.C. DECLARATION OF INCORPORATION

GARAGE DOORS FOR POWERED OPERATION

DOOR TYPE	MAXIMUM WIDTH	MAXIMUM HEIGHT
INSULATED ROLLER DOOR	5500mm	3200mm
COMPACT INSULATED ROLLER DOOR	3300mm	2286mm

Samples of the above doors, at the maximum sizes and weights, have been tested/checked, with regard to suitability for power operation, using Gliderol's powered door-operator types with appropriate safety devices etc., all assembled and installed in accordance with the door/operator installation instructions. These doors were found to conform with EN12453.

The types of doors shown are suitable for use with powered operation unless otherwise declared. They must, however, not be put into service as a power operated door until they have been completely and safely assembled and installed, in accordance with the door and operator manufacturer's instructions, with a suitable operator and with appropriate safety devices etc., and not until the complete installation has been declared to be in conformity with the provisions of the appropriate standards.

The Technical Files to cover the Gliderol Garage Doors range of garage doors are held by Gliderol Ltd, and will be made available at the request of an enforcing authority should the need arise.

This Declaration of Incorporation has been prepared by the garage door manufacturer to signify that the accompanying garage door operator, if installed in accordance with the manufacturer's detailed instructions will meet the requirements of EN12453.

It is the responsibility of the installer to ensure that doors and garage door operators are correctly matched prior to installation. It is also the responsibility of the installer, legally described as the Responsible Person, to ensure that a suitably nominated person will confirm that the power operated door has been installed in accordance with the instructions provided by both the door and drive unit manufacturer.
It is also the responsibility of the installing company to check after installation that the power operated door and any safety devices provided are suitable for the application and are all working satisfactorily. This will permit the nominated person to attach a CE label identifying the name of the installing company, a unique door reference number and a date of completion. The installing company should label the door and provide the documentation as specified within EN12635.

One copy of the Declaration of Conformity is to be issued to the client and one copy is to be retained by the installing company, together with the relevant two Declarations of Incorporation. In accordance with the requirements of the Machinery Directive and the UK Supply of Machinery (Safety) Regulations, these records are to be retained on file for a period of ten years.