

## OPERATION AND ADJUSTMENT

### 1 Springs

Open the door and prop it firmly in the open position with rollers engaged in track stops.

Assemble 1 spring onto the spring yokes and locate over anchor bolt. Locate tension adjuster bolt through bottom anchor bracket by approximately 25mm. Stretch the spring to position bottom yoke over tension bolt. One at a time locate the rest of the springs.

### 2 Track Supports

The track supports should hang vertically with the door central between the frame, if not adjustment is necessary. Remove the prop and lower the door very carefully supporting the weight as necessary. Move the tracks to the left or right to bring the supports level and door central. The door should open with the arms level and both rollers touching the track stop at the same point. Now secure the track hangers with 2nd coachscrew and fit diagonal stabilisers.

### 3 Balance

Very carefully lower the door supporting the weight as necessary.

If the door feels heavy from top to bottom increase tension with the adjuster bolt until balance is achieved.

If the door feels heavy at the top but is pushing back lower down prop the door in the open position, remove the springs individually and move the spring anchor pin UP one hole retightening pin securely. Refit springs. Repeat for the other side.

If the door feels balanced at the top but is dropping lower down prop the door in the open position, remove the springs individually and move the spring anchor pin DOWN one hole retightening pin securely. Refit springs. Repeat for the other side.

### 4 Adjustment

The door should now be working in a satisfactory manner however, after installation the door can drop slightly, check:

Is the gap between the top and lower side weather strips still 3mm (1/8").

If not SLIGHTLY loosen the bolts in the bottom lifting arm bracket and raise door to achieve gap, then retighten bolts securely.

Are the top rollers just touching the bottom of the tracks? If not adjust front track brackets and retighten.

Is the door clear of the frame during opening and closing? If not check first that tracks are square, see STEP 2. If door still catches frame adjustment can be obtained by horizontally adjusting bottom lifting arm brackets on slotted plates, loosen bolts SLIGHTLY adjust then retighten securely.

### 5 Lubricating

For the smooth running of the door it is important to oil the moving parts.

1. The four pivots on the activating arms
2. The roller wheels
3. The top spring attachments



## RETRACTABLE DOOR INSTALLATION

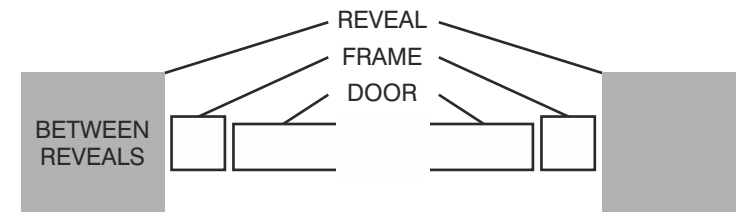
All installation/ repair work should be carried out by trained, professional installers. These instructions act as a guide only.

Before you begin fitting of the door, read and understand all instructions thoroughly. Measure the door to check it is the correct size.

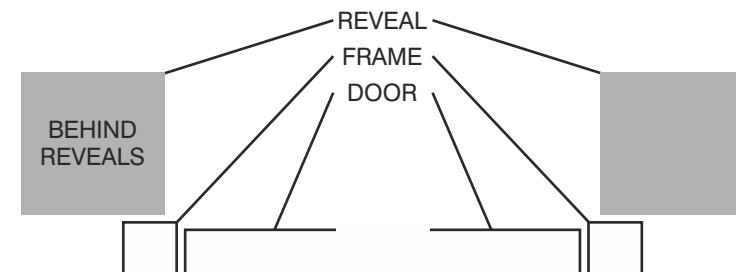
Garage doors are large, heavy items and we would recommend two people carry out the installation.

### FRAME POSITION OPTIONS

#### BETWEEN FIT



#### BEHIND FIT



## INSTRUCTIONS FOR DOORS FACTORY FITTED TO STEEL FRAME

Tools required-utility knife/ step ladder/ level/ drill/ tape/ 6mm masonry bit/ screw driver/ packers/ sockets 17mm & 13mm/ 13mm spanner/ hammer/ pliers/.

Carefully remove all packaging and recycle whenever possible. Always place packers on the floor for the door to rest on until installation is complete to prevent damage.

*Check all parts as listed-*

Lock pack - 2 keys/ handle/ internal handle/ lock nut.

Screw pack - 6 brackets/ 12x Ankerbolts/ 12x Self drilling screws.

Gear pack - As per enclosed list.

- 1 Position framed door in opening.
- 2 Pack frame as necessary to ensure header is level and legs are square and upright.
- 3 Position slotted angle brackets to frame and wall in required position. Fasten bracket to frame with self drilling screws (no pilot hole necessary).
- 4 Drill approx' 6mm pilot hole and fix bracket to brickwork with Ankerbolts. (No plugs required).
- 5 Remove transit screws from rear side.
- 6 Check door and frame are square/level. Adjust on slotted brackets if necessary.
- 7 Tracks

Locate the track over roller. Support the rear of the track allowing 25mm to 40mm fall to the rear. With the track just touching the bottom of the roller secure front of track with 2 M8 x 16mm hex bolts and washers.

Slide on track support bracket and fasten to a suitable joist using 1 x M8 x 40 coachscrew and washer ensuring track is square to door. If there is no convenient joist use punched angle to bridge joists and bolt the track hanger to this. Extra support to be fitted later.

Fit plastic Track Stop in pre drilled hole using M8 bolt and nut supplied.

**IMPORTANT!** Do not attempt to open the door without fitting the Track Stop first!

## PROCEED TO OPERATION AND ADJUSTMENT

## INSTRUCTIONS FOR DOORS FITTED TO TIMBER FRAME

**BEFORE WORK COMMENCES ENSURE FRAME IS SQUARE, LEVEL AND UPRIGHT. Use suitable fixings to anchor frame securely.**

MINIMUM TIMBER FRAME SIZE 70mm x 70mm

Tools required-

utility knife/ step ladder/ level/ drill/ tape/ screw driver/ packers/ sockets 17mm & 13mm/ 13mm spanner/ hammer/ pliers/ 6 & 10mm drill bit.

Carefully remove all packaging and recycle whenever possible.

Always place packers on the floor for the door to rest on until installation is complete to prevent damage.

*Check all parts as listed-*

Lock pack - 2 keys/ handle/ internal handle/ lock nut.

Gear pack - As per enclosed list.

### 1 Position Door

Wedge the door squarely and centrally into frame opening, leaving a min'12 mm. clearance at the top & min'6mm at the bottom. Side clearance approximately 9mm.

### 2 Tracks

Fit the rollers, securing with circlips in 2 end slots. Locate the track over roller. Support the rear of the track allowing 25mm to 40mm fall to the rear. With the track just touching the bottom of the roller drill 2 x 6mm pilot holes in the middle of the slots in the track brackets. Fix using 2 x M8 x 60 coachscrews.

Slide on track support bracket and fasten to a suitable joist using 1 x M8 x 40 coachscrew and washer ensuring track is square to door. If there is no convenient joist use punched angle to bridge joists and bolt the track hanger to this. Extra support to be fitted later. Fit plastic Track Stop in pre drilled hole using M8 bolt and nut supplied.

**IMPORTANT!** Do not attempt to open the door without fitting the Track Stop first!

### 3 Lower weatherstrips (template)

Fit the Latch striker plate with the bottom edge approx' 6mm below door level. Locate the Lower side weather strip with top edge 3mm below the top side weather strip and trim off excess from bottom edge to sit above the Latch Striker Plate. Fix using No. 12 x 3/4 self tapping screws. Fit grey plastic guide blocks located over top 2 holes.

Locate bottom spring anchor bracket over 2 bottom holes in weather strip and drill two 10mm holes through the frame to accept the M10 x 90mm coachbolts. (Alternatively drill 6mm pilot and fit using M10x 60 coachscrews).

### 4 Lifting Arms

Identify the two lifting arm bracket holes in the weather strip and drill two 10mm holes through the frame to accept the M10 x 90mm coachbolts(Alternatively drill 6mm pilot and fit using M10x 60 coachscrews). Feed coachbolts from the outside and securely fasten the lifting arms. Fix bottom lifting arm brackets to slotted plate on door using nuts, bolts, washers and strengthening plate provided.

## PROCEED TO OPERATION AND ADJUSTMENT