

# LOTUS FOLDING WALLS & DOORS

## TIMBERLINE ACCORDION DOOR

### INSTALLING MODULES

#### Putting the Modules on the Track

##### 1.1 Track Preparation

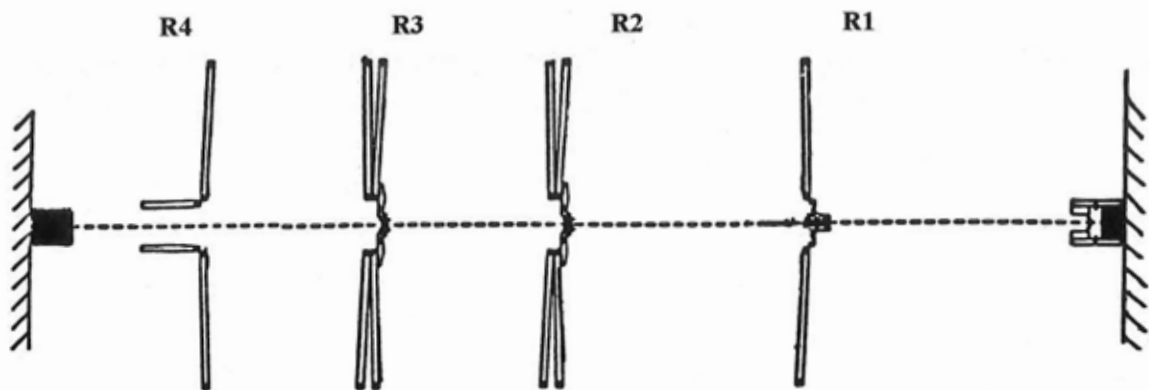
If necessary drop short length of track to allow modules onto the track.

Make sure track is clear of all dirt/dust.

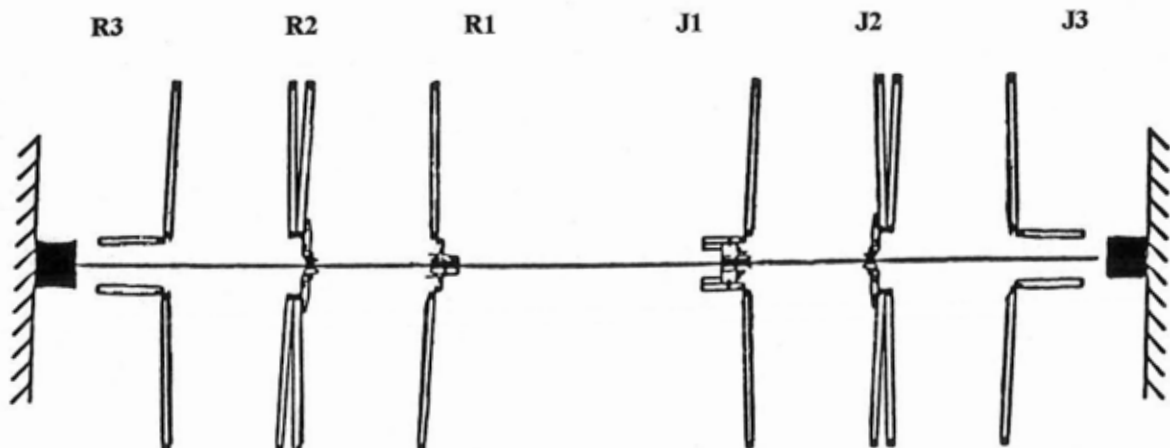
##### 1.2 Sequence

All the modules go on the track with metal hinges on the front side of the module facing towards the direction of closing.

All modules are identified at the top of 1 panel and must be installed in the correct order this is because modules may have been manufactured to different heights to allow for unevenness in the floor. Please follow the diagram below.



For a bi-parting pair follow the diagram below.



When all modules are installed replace short piece of track.

For a bi-parting pair screw yellow centre stop screw into track.

### 1.3 Fixing the Jamb

All jambs are matched in the same material as the panels.

“Stackiend” jambs are 32mm x 44mm and should be cut to height ensuring a tight fit onto the carpet, notched around any skirt, acoustically siliconed around any gaps and fixed securely to the wall. Ensure this is located directly central under the track and is plumb vertical.

“Closing-end” jambs are 32mm x 38mm and will be marked top & bottom. It is important that the jamb is fitted correctly as it has been cut out at the rear of the slot to allow the latch to engage properly. Fix securely to the wall as previously described.

Note: a spare “stack-end” jamb is included should extra width be required. If necessary screw directly on top of the first jamb. In the case of a pair, 2 spare jambs have been included.

Do not fit modules to jambs yet.

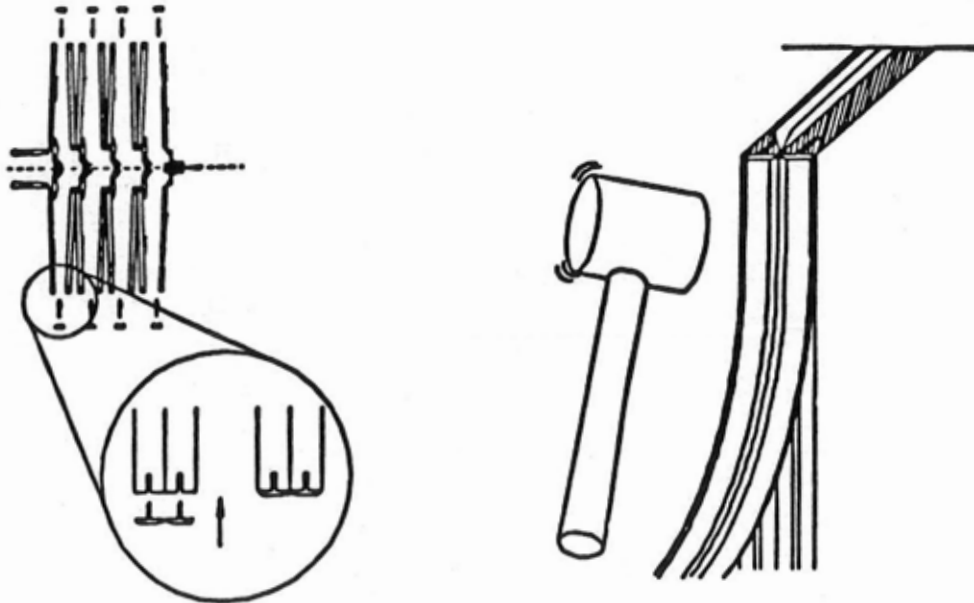
### 1.4 Joining the Modules

Note: all hinges have been pre-cut to the correct length.

Squeeze a bead of silicone into the grooves before inserting the hinges. This will provide a secure fitting, yet allow for separation if required later.

Starting with the nose module, couple the modules together by knocking the hinges into the grooves, preferably with a rubber hammer. Ensure panels align at the top then work down the hinge. Work along both sides of the door until all modules are joined. This will leave only the back panel to be attached (back panel & back flap are sent as separate units). hold and align with previous panel and insert hinge.

For a pair of doors join together with latch and follow above.



### 1.5 Fixing to Jamb

Place closing style assy into position on closing jamb. Bring door stile into position on closing stile and engage latch. Check stile is plumb vertical and pre-drill through existing holes with 3mm drill. Fix together with 8 gauge x 25mm screws and place cover caps over screws.

Move back-flap into position on stack-end jamb and access if spare jamb is required. Fit if necessary.

Making sure back-flap is plumb vertical and that all top seals are within the outside of guard, pre-drill through existing holes with 3mm drill. Fix together with 8g x 25mm screws and place cover caps over screws.

Open and close door making sure that when closed top seals stay within the outside edge of guard.

### 1.6 Keylock

If keylock fitted, check for correct for operation.

### 1.7 Cleaning and Finishing

Check all perimeters are acoustically sealed.

Ensure the installation operates smoothly and is clean.

Complete the commissioning sheet and return to lotus.

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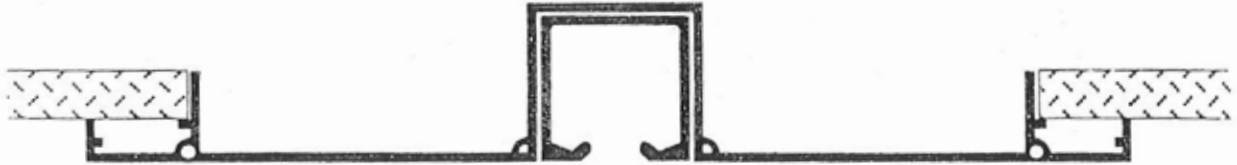
## TRACK & HEADWORK INSTALLATION

### 1.1 Support Structure

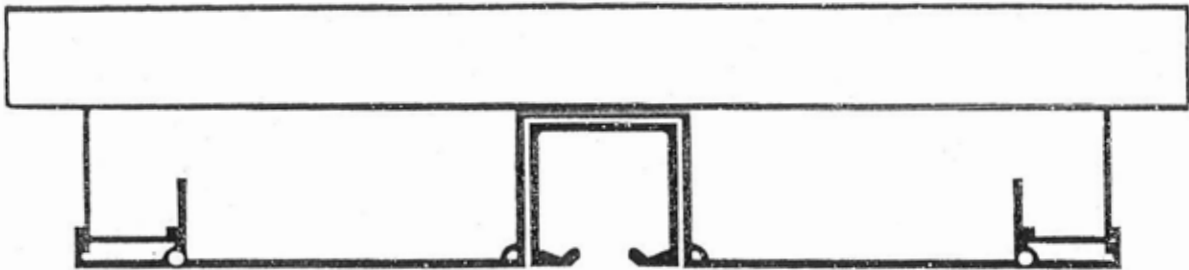
This must be strong enough to support the door and have no more than maximum 5mm deflection when under load. Your door weights are noted below:

Total Door Weights (KGMS)      Door 1 \_\_\_\_\_      Door 2 \_\_\_\_\_      Door 3 \_\_\_\_\_

### 1.2 Typical Track Installation for Recessed Ceiling



### 1.3 Typical Track Installation for Surface Mounted



### 1.4 Examples below are given for a 3 metre high door:

<u>Type of Structure</u>	<u>Fixing Details</u>
1. Direct to timber	a. 6g x 38mm countersunk screws to hold headboard in place. (non-structural, see b below). b. 12g x 50mm panhead screws to fix track and guard through the headboard into and guard through the headboard into the structural support above.
2. Direct to steel	5mm diameter machined bolts of sufficient length. <b>Important:</b> Take care that bolt heads allow clearance for trolleys.
3. Direct to concrete	It is better to fit timber to concrete with Dynabolts and then fix the headboard & Track to the timber. Important: Do not rely on fixing track to headboard alone. Track must be directly fixed to overhead structure.

### 1.5 Track Fixing

Track and Guard have been pre-drilled in the factory. 5mm clearance holes have been drilled at intervals of 100mm where the door is stacked back & 300mm centres along the remainder of the track.

A short piece of track has to be removed to be able to put the panel assemblies on the track. In the case of a pair of doors, this will be the centre section and if the door is single it will be at the closing end.

The guard is held in place by the track. Screw track into position leaving screws loose. Slide guard into position under each side of the track, hold in position and tighten track screws.

Where a headboard is used it is necessary to fit a trim angle into guard (this is supplied).

### 1.6 Install Track Horizontal

Use a dumpy or laser to ensure the headboard and track is level to +/- 1mm. Adjust the ceiling tiles to suit or fill gaps with white silicone. If track is not exactly horizontal, the doors will not function properly. Ensure track is fitted hard up to structural support.

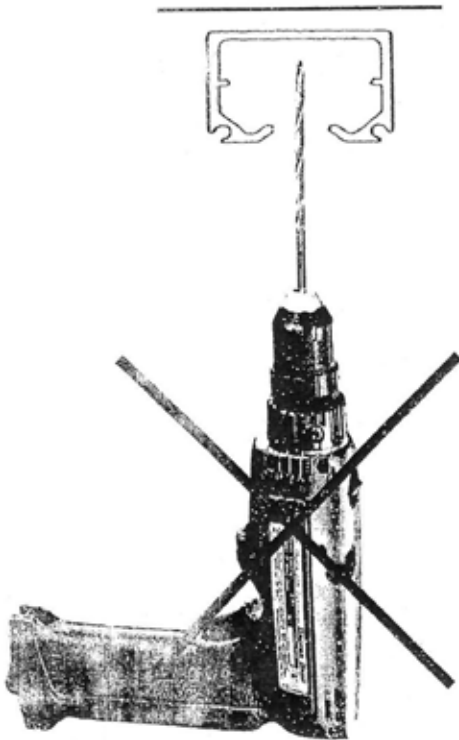
## 1.7 Other Instructions

- a. Use junction pins to align track and guard at joins (supplied).
- b. If track has to be cut, ensure ends are filed clean.
- c. If headboards have to be joined, ensure joins remain exactly level by providing support above.
- d. Ensure a good acoustic seal between headboard and structure / ceiling by using silicone.

**Important:** If the open ends of the track & guard are visible, an angle plate is available Powder coated white to match track. This is riveted to the open ends.

### DO NOT drill through track

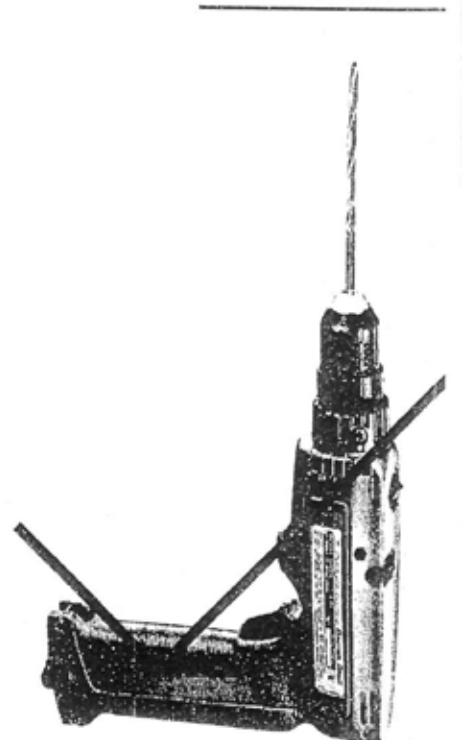
Swarf will stick to track  
lubricant and prevent trolley  
from moving



### 1. Mark hole Remove track



### 2. Drill



**FOLDING  
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Ph: (07) 3266 4807  
Fax: (07) 3314 7722  
Email: [sales@foldingdoors.com.au](mailto:sales@foldingdoors.com.au)  
Web: [www.foldingdoors.com.au](http://www.foldingdoors.com.au)