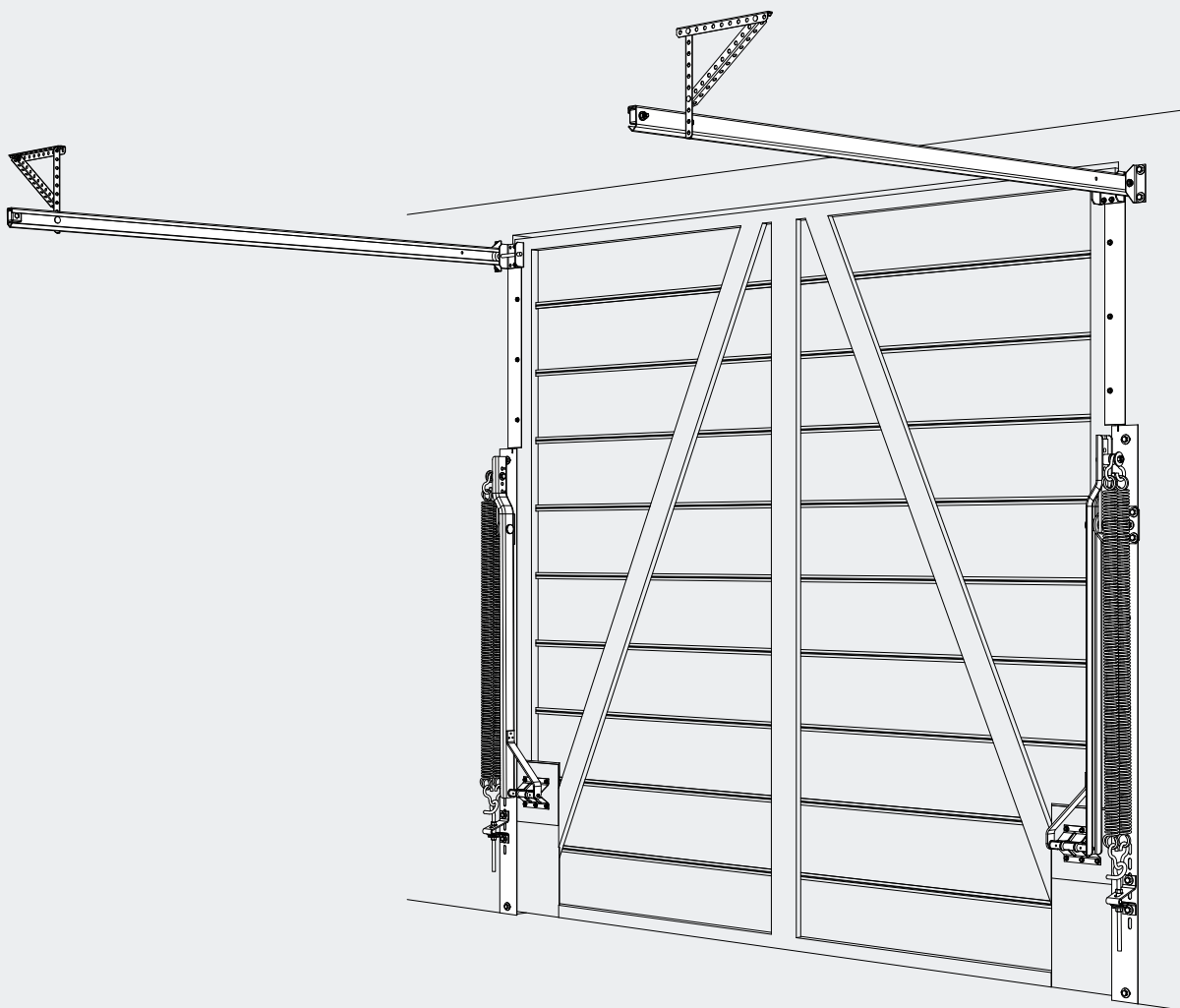


DOMINATOR[®]

TRACK TYPE INSTALLTION INSTRUCTIONS



DISCLAIMER

THESE INSTRUCTIONS ARE INTENDED FOR PROFESSIONAL GARAGE DOOR INSTALLERS and only apply to the fittings

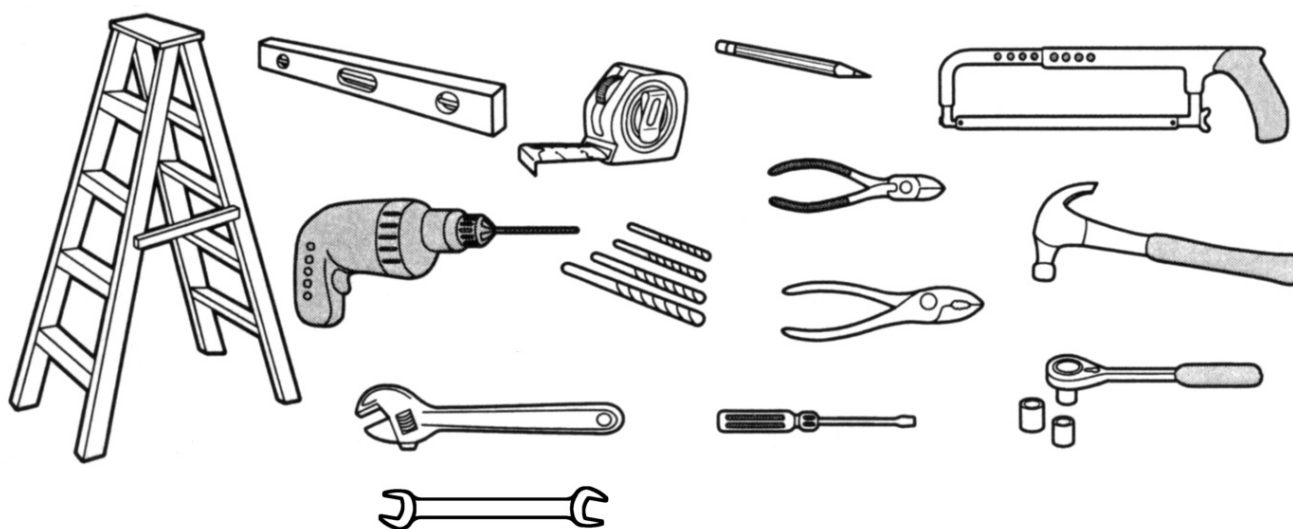
Note: All references are taken from inside looking out

1.0 BEFORE YOU START

1.1 TOOLS CHECK-LIST

The following tools are needed to install Tilt-A-Dor® T fittings.

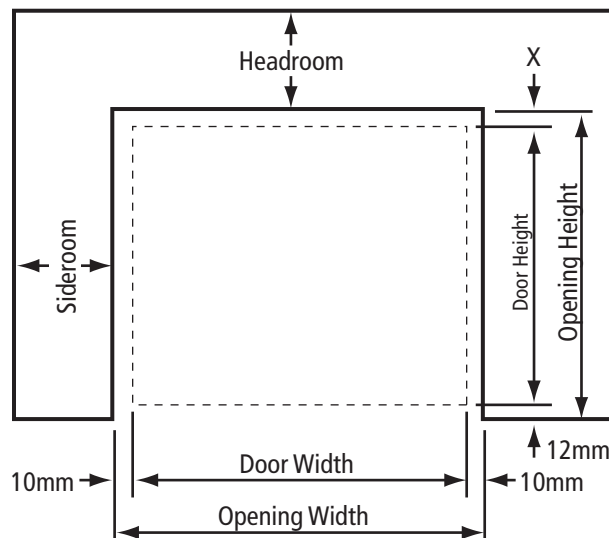
- Spirit level 1200mm
- Measuring tape
- Extension lead
- Step ladder
- Speed drill and drill bits
- Impact drill and masonry bits
- Hack saw
- Open end adjustable spanner
- Socket set and speed brace
- Set square
- Wood chisel
- Steel chisel
- Screw driver set
- Pliers
- Tin snips
- 2 vice grips
- Felt tip pen & pencil



1.2 CHECKING MEASUREMENTS

Before proceeding please check the opening measurements against the panel and ensure that the correct fitting has been obtained in regards to door weight.

Door width	Opening Width - 20mm
Door Height	Opening Height - 27mm
Headroom	50mm for a manually operated door 100mm with an automatic opener
Sideroom	70mm (Model 50-T, 70-T, 100-t, 120-T) 90mm (Model 150-T)
X	(Panel thickness - 35) minimum 15mm

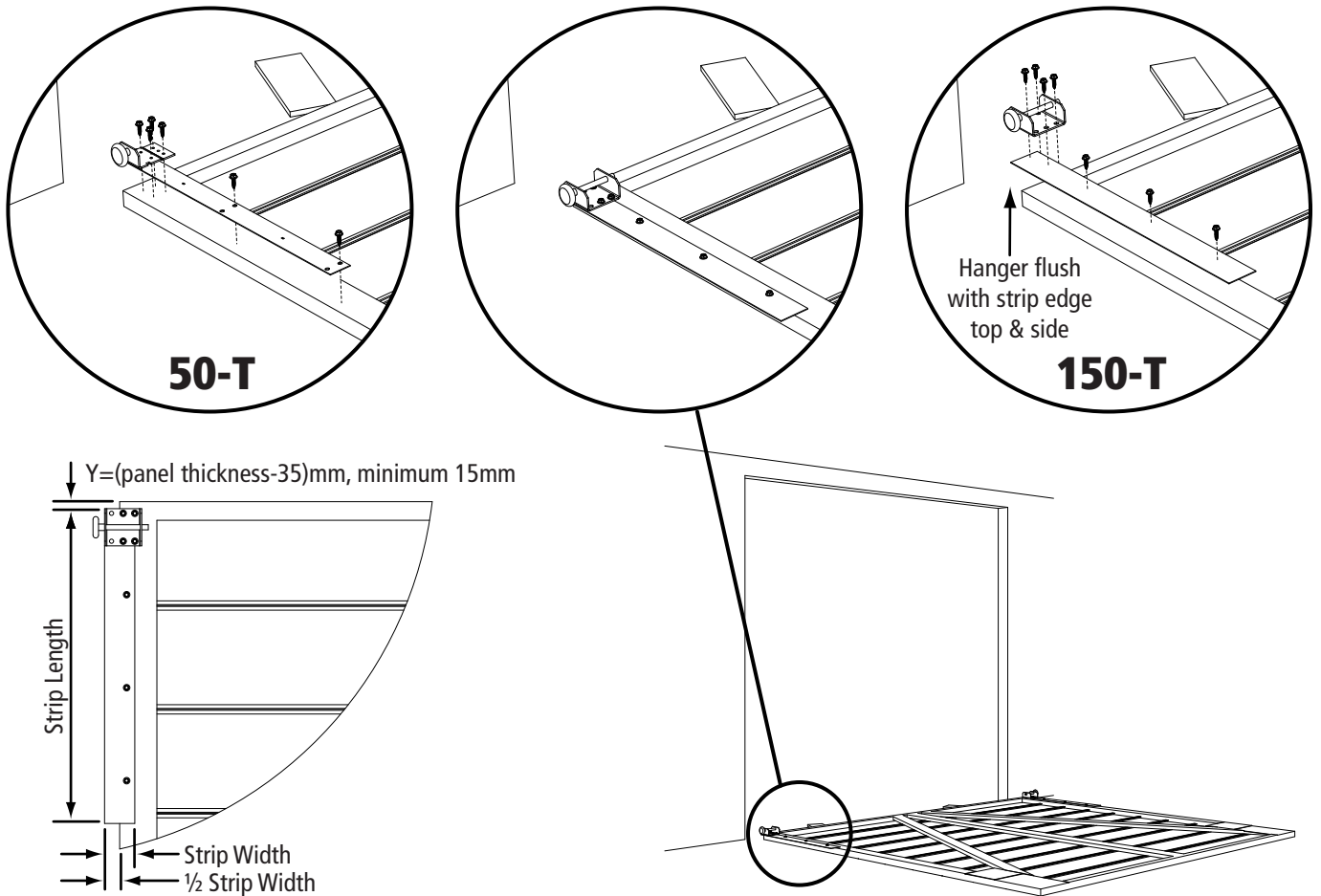


2.0 INSTALLATION

2.1 INSTALLING TOP WEATHERSTRIP AND WHEEL

Assemble the top strip onto the panel as shown in Figure 2.1.1. Note that only in the 150-T model fitting is the wheel a separate assembly to the weatherstrip, all other fittings are already assembled. Please note that dimension Y is variable depending on panel thickness, with a minimum of 15mm.

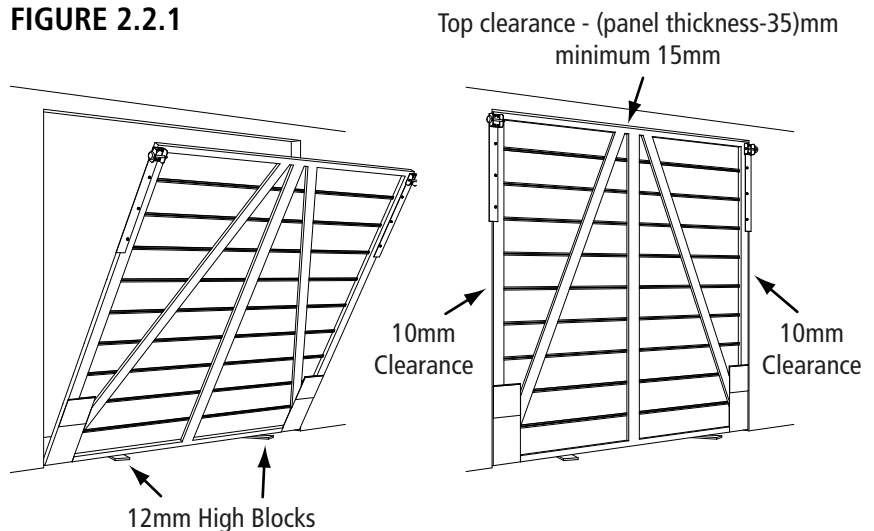
FIGURE 2.1.1



2.2 PLACING PANEL INTO POSITION

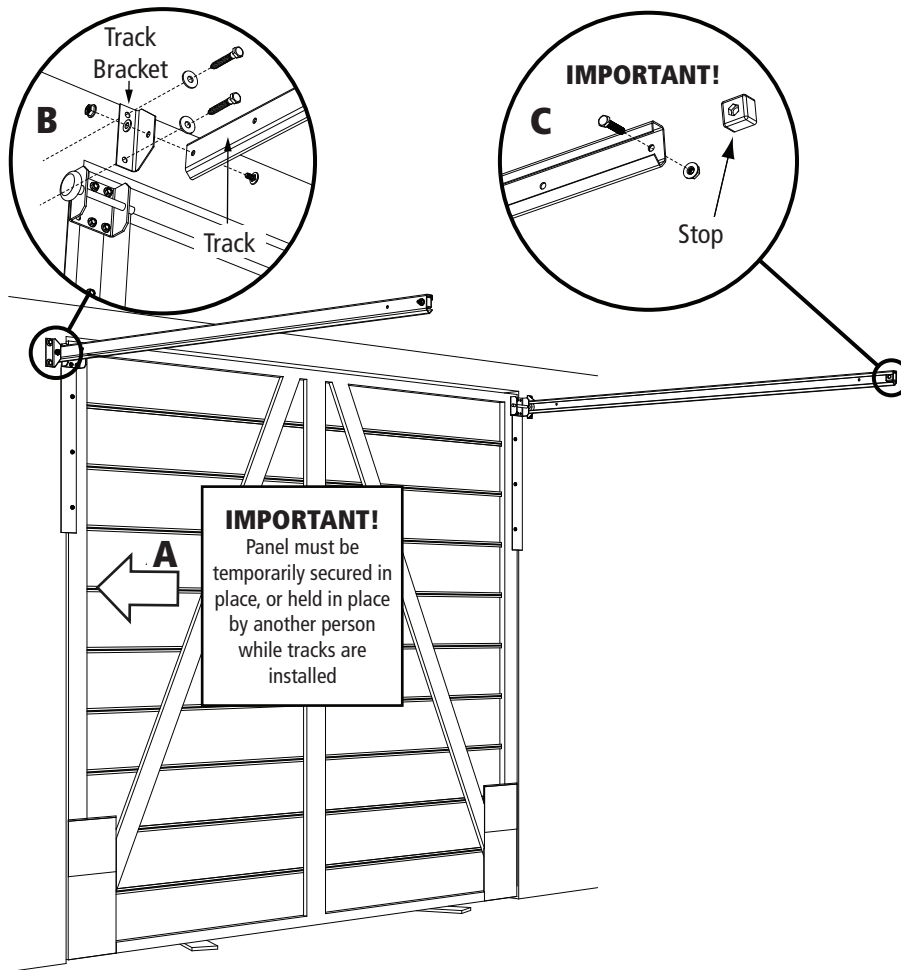
Place some 12mm high blocks at the opening. Lift panel into position as shown. Ensure that the top weatherstrip is flush against the jamb and that the proper clearances are observed as shown in Figure 2.2.1.

FIGURE 2.2.1



2.3 INSTALLING TRACKS

FIGURE 2.3.1



Secure panel into place, either temporarily fastening to the door jamb, or having a helper hold it in place for the duration of this stage, as shown in Figure 2.3.1.A.

Assemble track bracket onto track, but still allowing the track to pivot. Slip over wheel and fix onto wall using appropriate fasteners, as shown in Figure 2.3.1.B.

Assemble the stop at back of the track, this is a critical safety measure for both installer and customer, as shown in Figure 2.3.1.C.

Use some angle to prop up the back track temporarily to the ceiling. Measure from common reference points across the diagonals of the tracks as shown in Figure 2.3.2. These must be equal and the tracks slope down by 33mm, before securing the track bracing Figure 2.3.3.

FIGURE 2.3.2

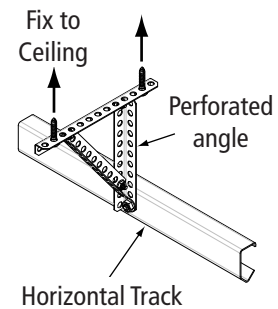
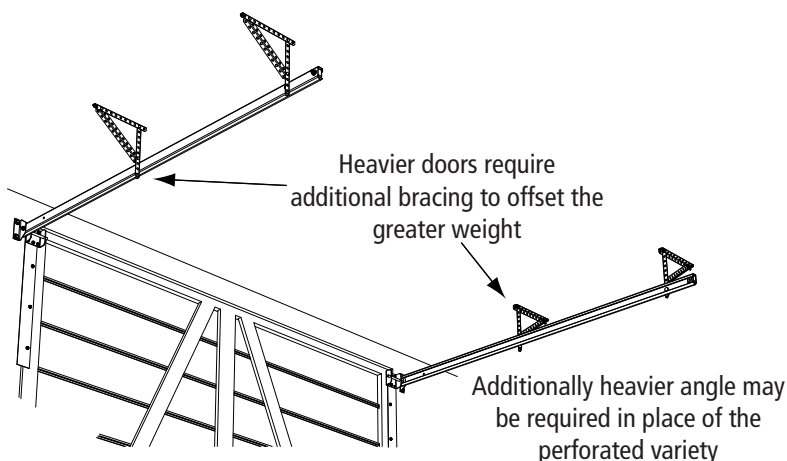
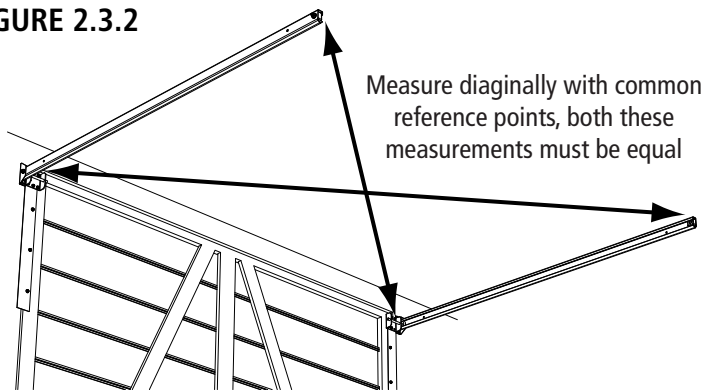
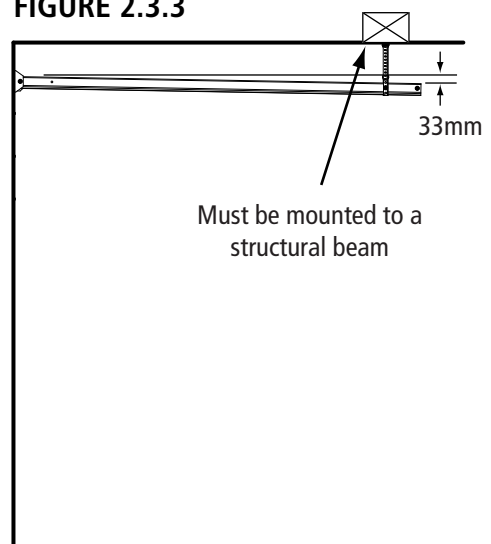


FIGURE 2.3.3

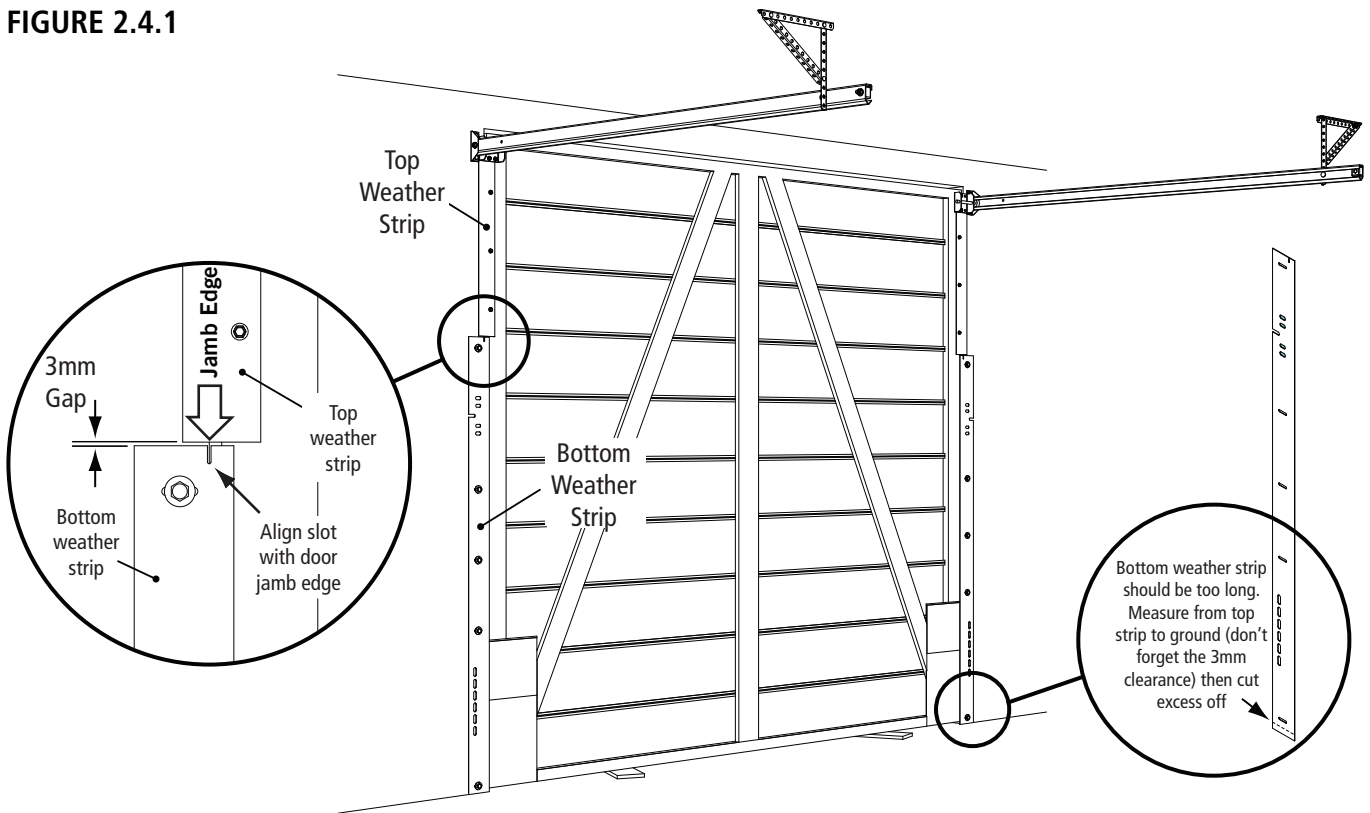


2.4 INSTALLING WEATHER STRIP AND POWER ARM

Measure the distance from the bottom top weatherstrip down to the floor, then cut down the bottom weatherstrip accordingly giving a 3mm clearance between the strip.

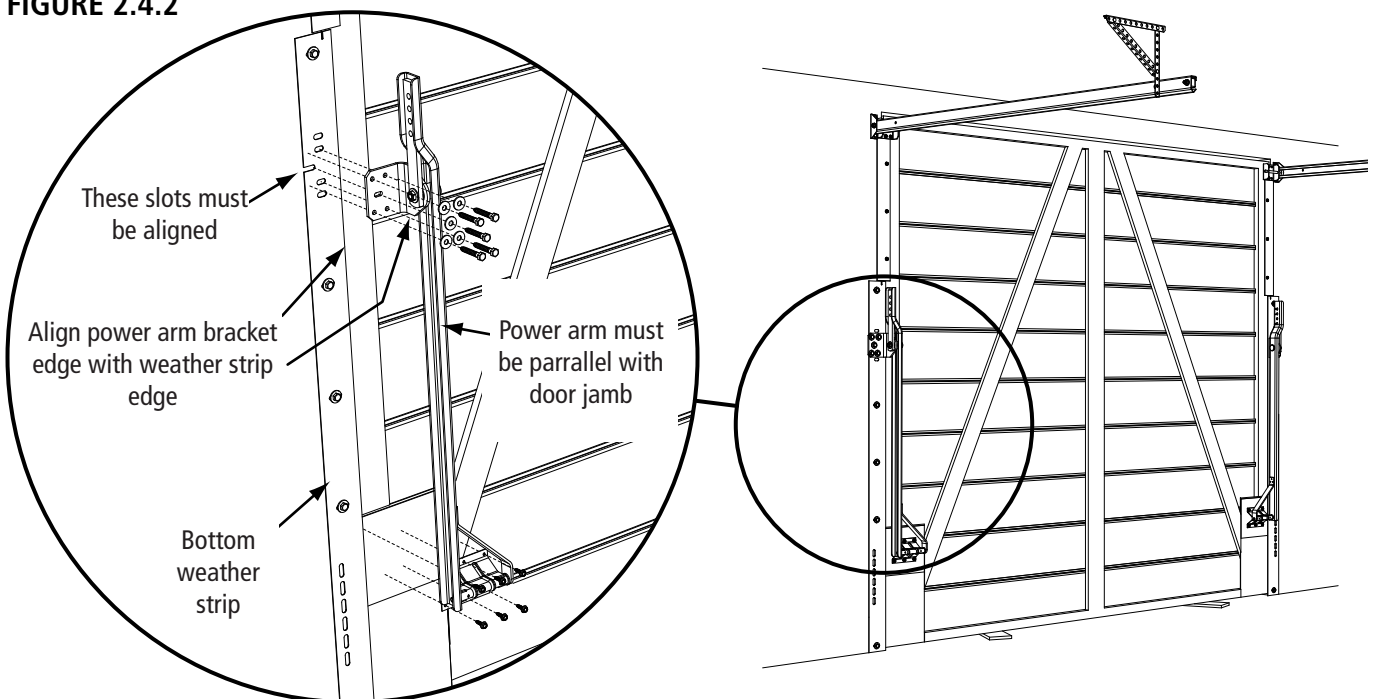
Align the vertical slot with jamb edge as shown in Figure 2.4.1. Use appropriate fasteners to fix to jamb.

FIGURE 2.4.1



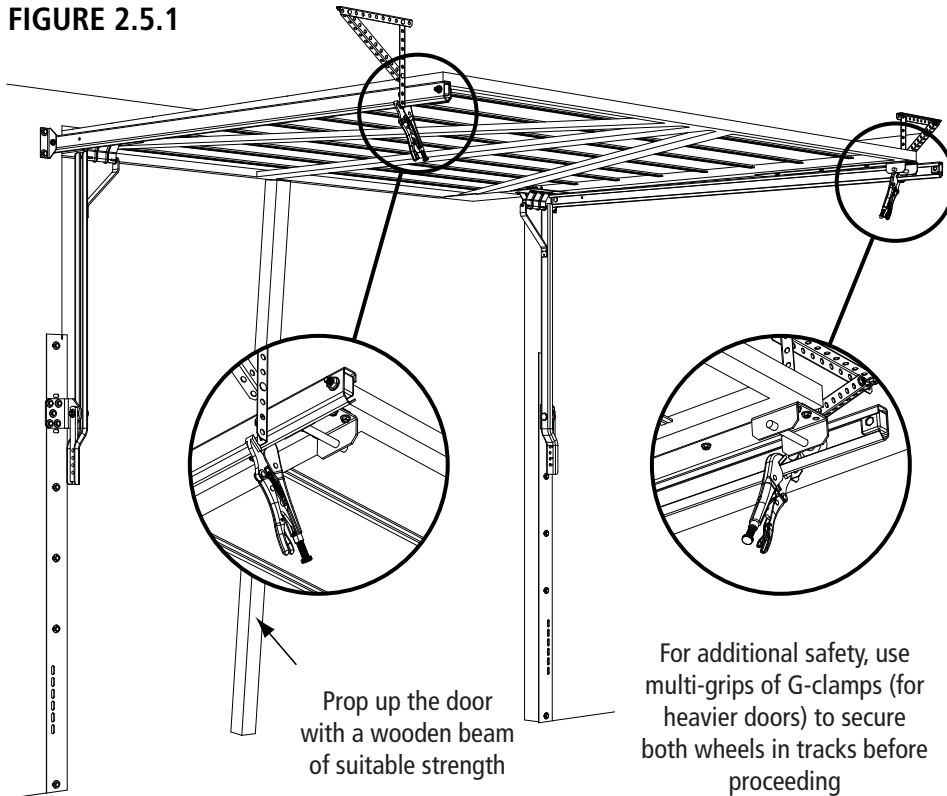
Assemble the power arm onto the bottom weather strip as shown in Figure 2.4.2, aligning slots as shown and power arm as shown.

FIGURE 2.4.2



2.5 LIFTING AND SECURING DOOR

FIGURE 2.5.1



Prop up the door with a suitable beam or support, additionally it is recommended to use clamps at the track ends to arrest the door's movement should the support be accidentally knocked out.

2.6 SPRING ASSEMBLY

Mount kicker bolt assembly to the No. 2 hole (there are hole numbers on the power arm for reference). Figure 2.6.1.A shows the assembly of a double spring system. Note the clover hook needs to be assembled onto the kicker bolt assembly.

FIGURE 2.6.1

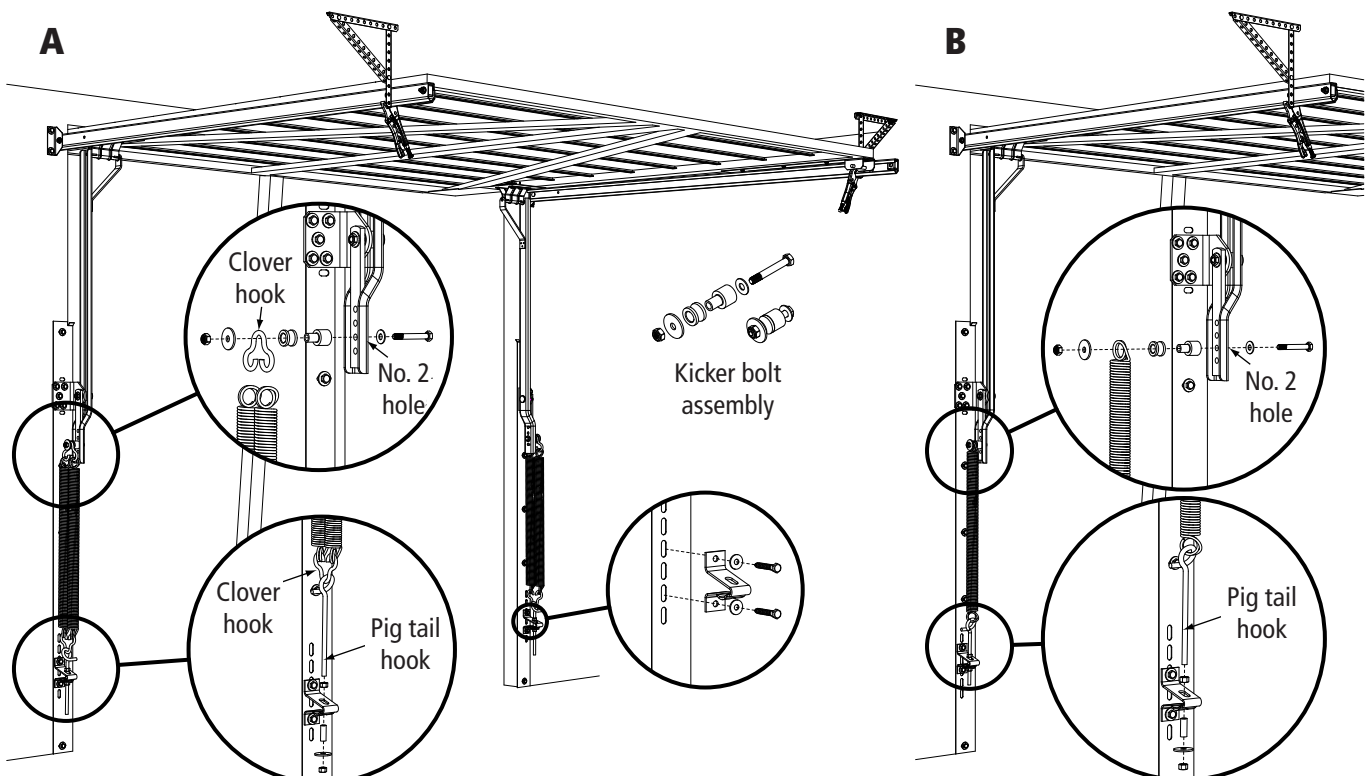


Figure 2.6.1.B shows the assembly of a single spring system. Note the spring is assembled onto the kicker bolt. Locate and secure anchor bracket in a position so that the nut can just be screwed on. In this way when the screw is tightened the spring will be stretched by about 50mm.

2.7 FINAL ADJUSTMENTS

Check that the clearance gaps are all even on the open door, use wedge packers as necessary and perform any final adjustments to the bracing.

Bend the inside of the tab on the bottom weatherstrip as shown in Figure 2.7.1.A.

If door comes down too easily

- Increase tension of spring by tightening up the nut on the pigtail hook or
- Swing door overhead and move the kicker bolt down one hole

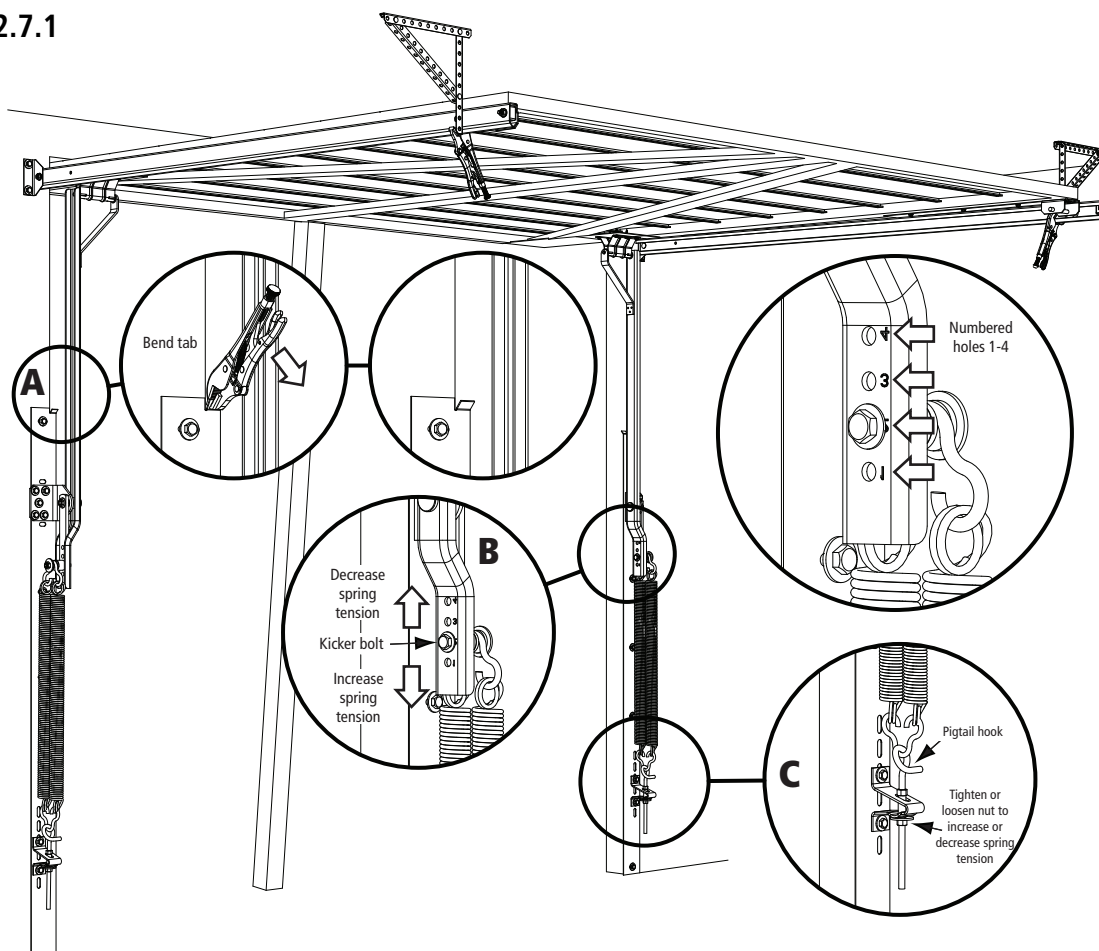
If door is hard too pull down

- Reduce tension by loosening the nut on the pigtail hook or
- Swing door overhead and move kicker bolt one hole up.

If the door rubs against the jamb

- Loosen the fasteners on the power arm bracket (just enough that the bracket can shift only), open door then pivot power arm away from jamb and then retighten fasteners.
- Lift and prop up door as in Step 2.5. Recheck that the tracks are square to the opening by measuring diagonal and adjust bracing accordingly as in Step 2.3 Installing Tracks.

FIGURE 2.7.1



3.0 AFTER INSTALLATION CARE

GENERAL CARE OF YOUR TILT FITTINGS

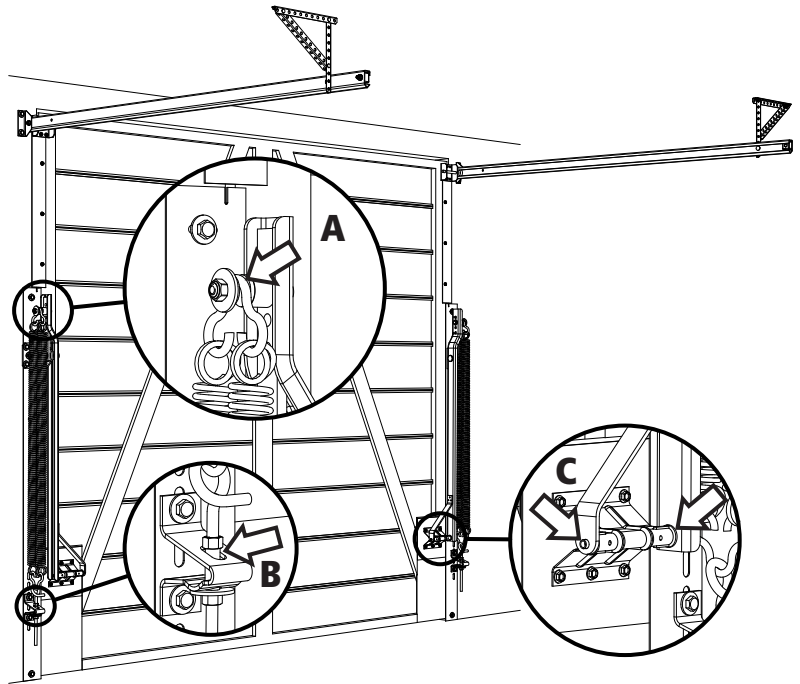
CLEANING

It is recommended that your fittings be serviced, by an experienced door technician, every 12 months (more regularly in extreme environments or frequent use), or earlier if required.

LUBRICATION

To ensure smoother operation the following areas are to be periodically lubricated to minimise wear and noise.

- A. The kicker bolt where the clover hook is attached
- B. The pig tail hook and anchor bracket
- C. Pivot of the anti-sway arm bracket



SPRING TENSION

It is natural for springs to lose tension over time. When spring tension is adjusted or when your door is first installed it is usual to apply a little more tension than is required for balanced operation, to allow for the normal "settling in" of the springs.

WARRANTY

The B&D Tilt-A-Dor® in residential use is covered by a 24 month warranty. Please consult Owner Handbook.

Warranty conditional on proper care as recommended above. Full details of the warranty are available from www.dominator.co.nz.



DOMINATOR

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