

DOMINATOR[®]

INTERNATIONAL LIMITED

C-Rail Tilt/Sectional Garage Door Opener Installation Instructions

Benefits of C-Rail:

- Enclosed chain for improved safety and appearance
- Easy install header bracket means opener can be installed by one person
- C-rail can be surface-mounted to a ceiling
- Over-length C-rails can be ordered in custom sizes. (Bracing is recommended for over-length rails)
- C-rail can be braced at intermediate points to prevent flexing. (Order a "C Rail Support Bracket Kit 400105")
- C-rail can be painted

Installation Instructions

Mounting Header Bracket

Determine the centre of the door and continue the vertical line through the header as in fig 1.

Find Door High Point

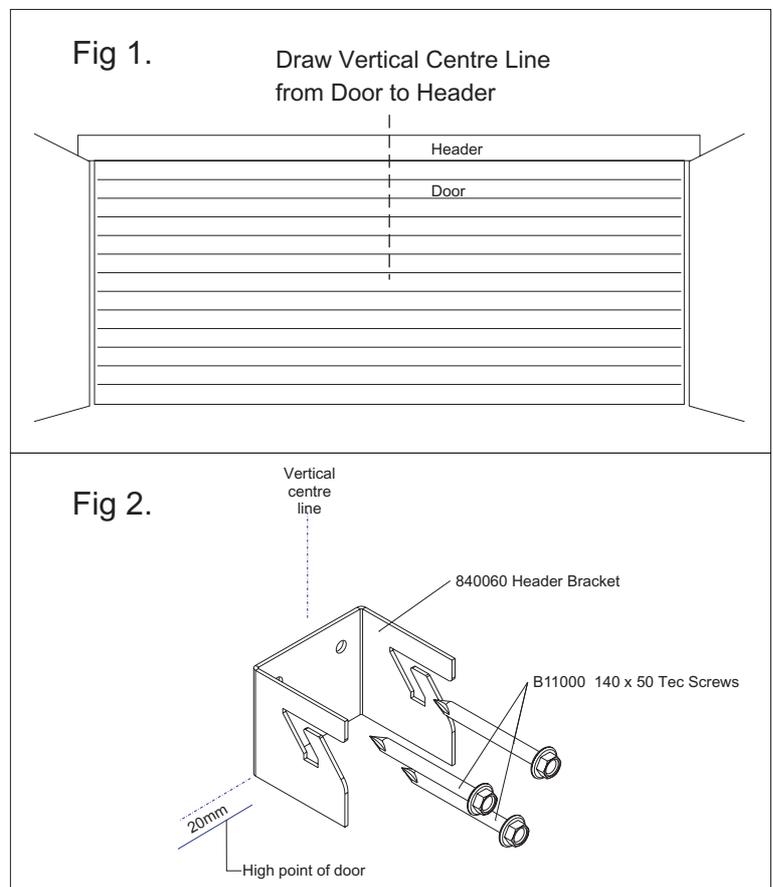
Lift the door and find the highest point the door reaches.

Using a straight edge and level, transfer the height to the header.

Fix Header Bracket

Fix the Header Bracket to the Header so that the bottom of the bracket is at least 20mm above the height found above (see fig 2).

Find a solid fixing point as significant forces act through the Header Bracket.



Assemble Idler Wheel

Assemble the chain idler wheel inside the idler housing as shown in figs 3a, 3b & 3c. Make sure to apply light grease on the idler axle.

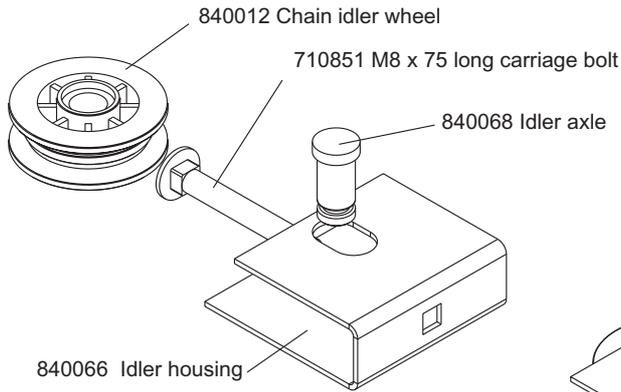


Fig 3a
Component parts
of chain idler assembly

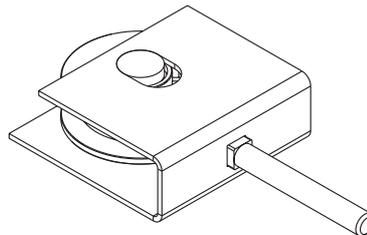


Fig 3b
Assembled
component parts

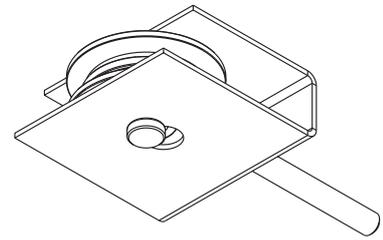


Fig 3c
Assembly viewed
from underneath
showing idler axle
registered in keyhole
slot

Assemble Rail

Assemble the C-rail to the motor unit by sliding the rail into the slots on the motor unit. Push the rail until it hits the tags on the motor unit. Push Chain Guides over ends of rail at motor end as in fig 4b. Place the rail and motor unit on the ground with channel side facing up. Insert the Traveller into the end of the rail with straight-arm attachment point to front. Thread the chain around the drive sprocket and the chain idler. Pull the chain idler assembly into the end of the rail. Note the spool must go to the side shown in fig 4a. Ensure chain ends are located at a mid-rail position.

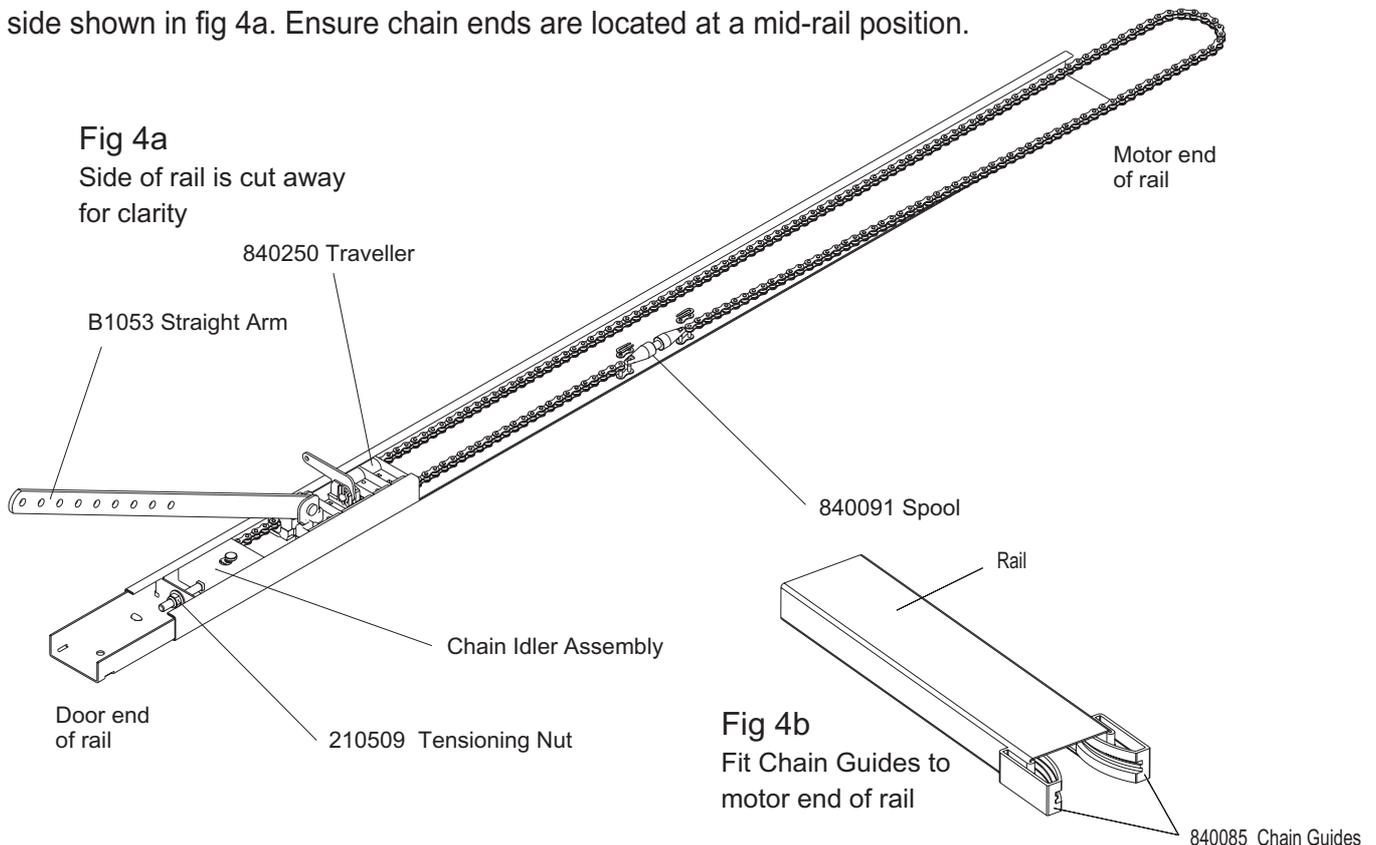
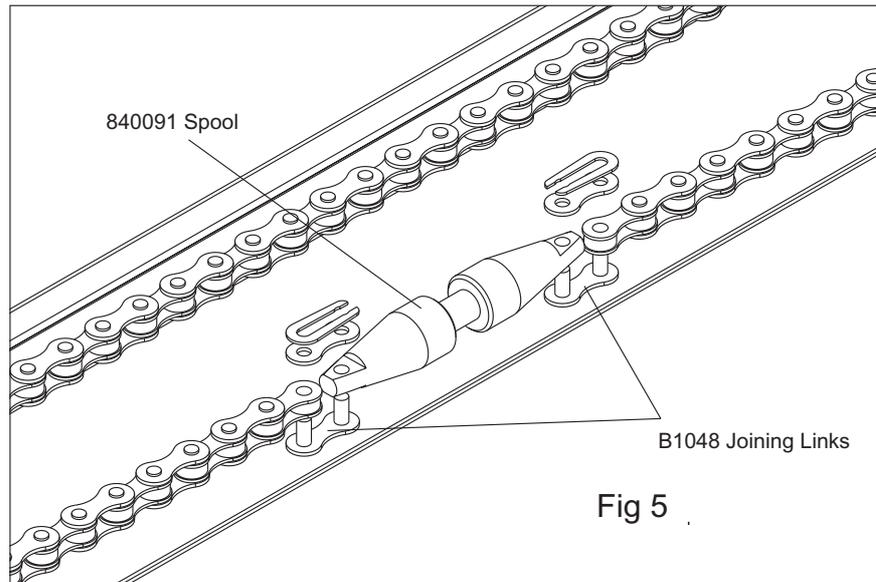


Fig 4a
Side of rail is cut away
for clarity

Fig 4b
Fit Chain Guides to
motor end of rail

Join the Chain

Connect the chain using the spool and joining links as shown in fig 5.
Ensure chain is not twisted.

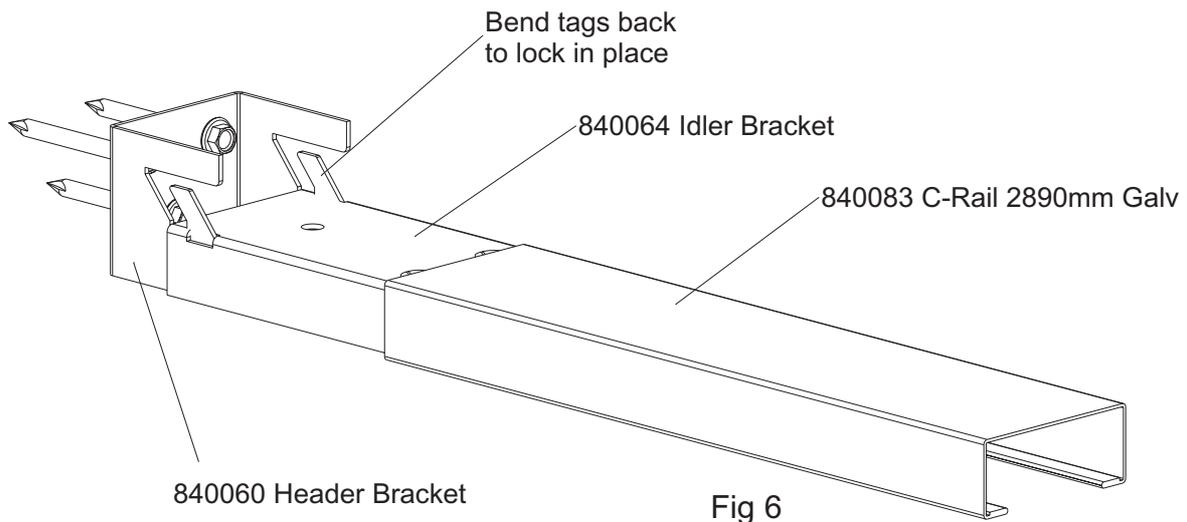


Tension Chain

Tension the chain by tightening the M8 nyloc nut. The tension is correct when the chain is clear of the rail by 5mm. Check chain tension after initial installation and thereafter as required. The tension can be adjusted after installation, even during the running cycle.

Lift up the Opener

Lift up the assembled rail and motor unit. Slide the idler bracket over the header bracket tags. Pull the rail back and down so the header bracket tags engage in the slots in the idler bracket as shown in fig 6. If required, rest the motor end on a ladder.



Fix in Place

Lift the motor end up and fix to the ceiling, keeping the rail level. Once the motor end is mounted, bend the header bracket tags slightly so the idler bracket cant jump off. For example, use pliers or a crescent to bend the tags out a few millimetres.

Fitting Rail Stops

With door fully closed, mark rail at door end of traveller. Manually raise door a few centimetres and chock from floor with timber. Insert plastic Rail Stop lengthwise into interior of rail and twist to fit rail (fig 7). Align edge of Rail Stop with marked position on rail (fig 8). Use the provided self-drilling screws to fix the rail stop to the rail.

With traveller still attached, fully open door. Mark rail at drive unit end of traveller. Attach Rail Stop in the same way.

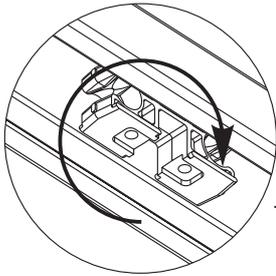


Fig 7.
Stop inserted lengthwise into rail and rotated before positioning to mark

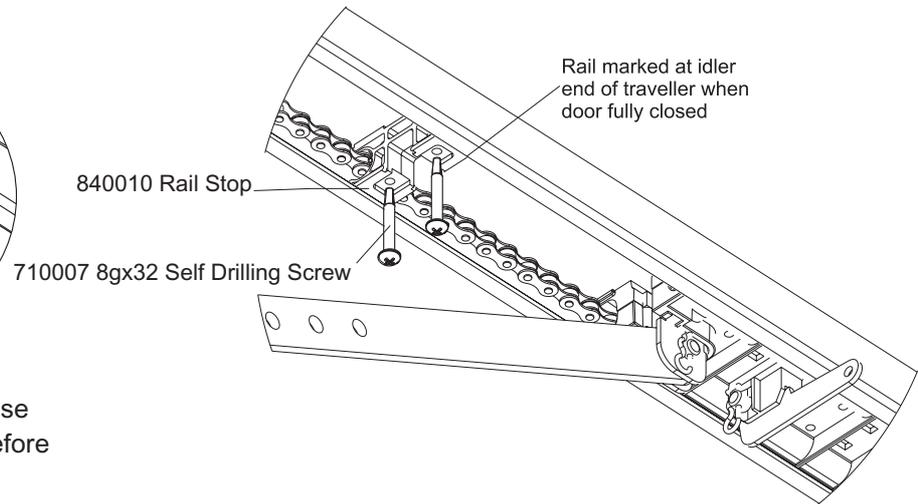


Fig 8.
Fixing rail stop at idler end

Disengaging the Traveller

Attach the cord and handle to the disengage lever. To keep the traveller disengaged, pull down on the cord handle on an angle towards the door. The lever will latch in the disengaged position. To re-engage the traveller, pull the handle down on an angle away from the door, then release straight up.