

DUNGANNON WINDOW COMPANY LIMITED

VERTICAL SLIDING SASH WINDOW SPECIALISTS



◆ Balance Location (see Diagram 5)

The balances for the top and the bottom sashes are different lengths. The shorter pair of the balances are to used with the top sash. They are located in the channel towards the outside of the window, one in each jamb. The two longer ones are located towards the inside of the window, one in each jamb.

◆ Fastening Balances to Outerframe (see Diagram 5)

The balances are screwed at the top of each jamb, in both the inside and outside channel.

Outerframe
(VS01) DIAGRAM 5

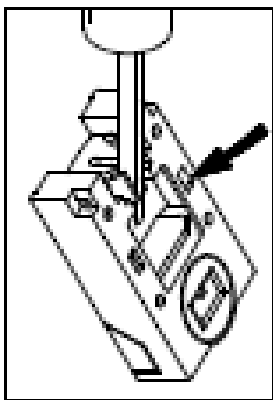
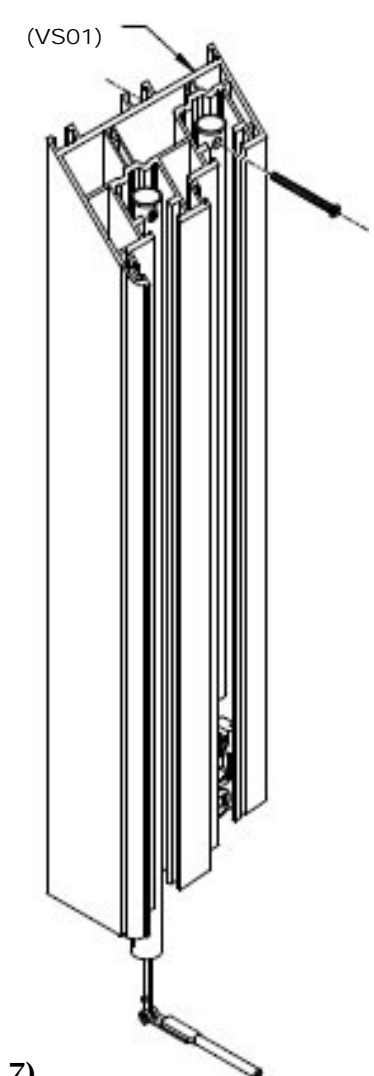


DIAGRAM 6

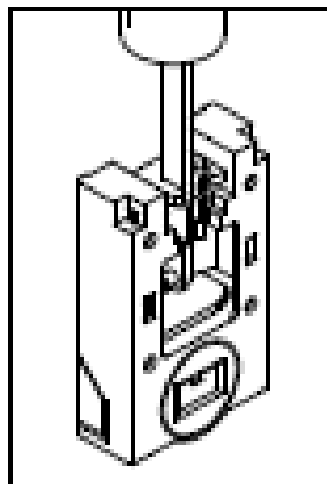


DIAGRAM 7

◆ Fitting of Balance to Balance Shoe (see Diagrams 6 and 7)

With the pivot bar (which is connected to the balance shoe in the frame) parallel to the frame, slide it up the channel to approximately 100mm from the bottom of the balance and tilt the pivot bar inwards to 90° to lock the shoe. Using the tension tool, grab the balance pull it downwards and connect into the shoe as per diagrams

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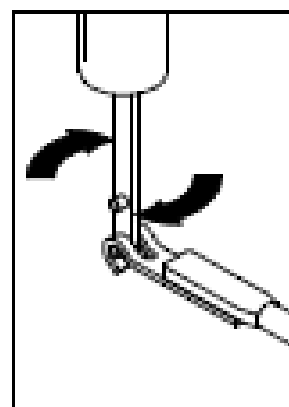
◆ Tension Adjustment (see diagram 8)

The sashes must be removed and the shoes locked to do this leave the pivot bars at 90° to the frame and this will lock the shoes. Unhook the balance from the balance shoe, using the tension tool.

Please Note - The balance does not need to be removed from the frame.

Make sure the spring is pulled out from the balance before tensioning or turning (as the balance can not be tensioned when closed) and apply 3 or 4 turns to the balance and re-hang sashes to determine if your adjustment is sufficient, if not, repeat process.

DIAGRAM 8



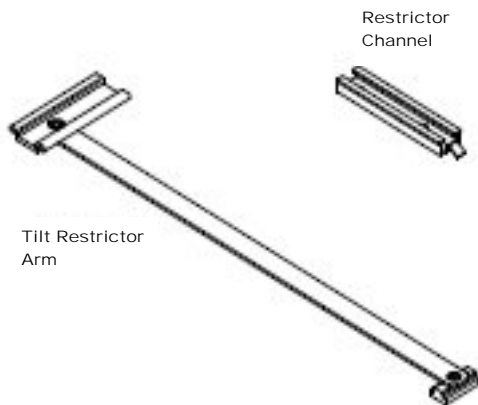
The direction of the arrows shows how to **release** the tension of the balance and to **add** tension to the balance turn in the opposite direction.

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◆ Bottom Sash



- Open sash and tilt inwards, so that the sash rests on the tilt restrictor arms (approximately 45° from frame)
- On each side of the sash, approximately half way up, the tilt restrictor arms are held within the restrictor channel, take out the bottom screws in the restrictor channel on both sides and lower the sash to 90° which will disengage the restrictor arms from the channel

- Keep the sash at 90° to the frame
- The balance shoes are now locked within the balance chamber and the sash will not slide up or down

- The pivot bar which is connected to the balance shoe in the frame is held within the pivot bar channel at the bottom of the sash and secured by a black plastic rivet. Remove the rivet from both sides and slide the sash away from the frame ensuring both sides come away at the same time

- Keep the pivot bars at 90° to the frame (see Balance Fitting section at this stage if you are changing the balances)



Balance Shoe

◆ Top Sash

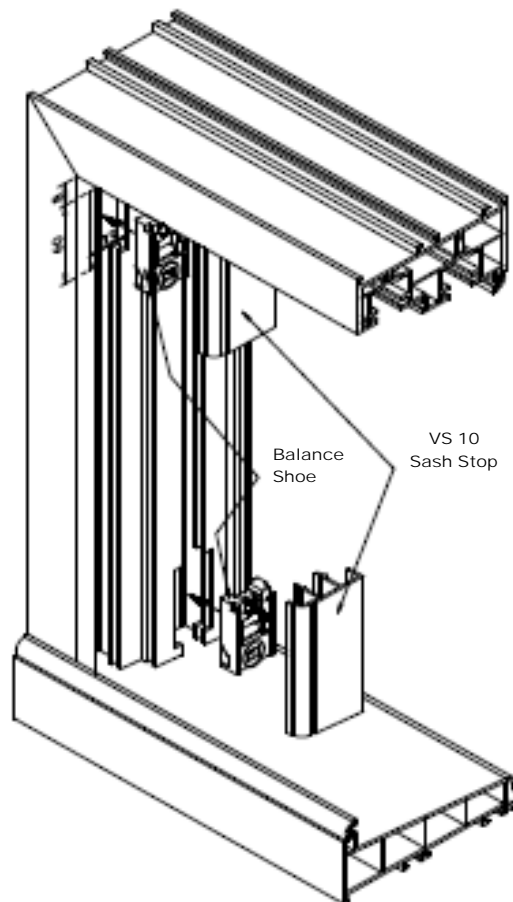
Repeat the above stages to remove the top sash

Please Note - To re-hang sashes simply reverse the above stages you have taken to remove the sashes

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BALANCE SHOE AND TILT RESTRICTOR REPLACEMENT



The balance shoes are fitted to the window prior to assembly and installation these cannot be removed in the same way as they were fitted. If it becomes necessary to replace the balance shoes or tilt restrictor arms this can be done by routing cut outs in the jambs as shown above. Once the shoes / tilt restrictors have been replaced the cut outs are covered by the re-installation of the VS10 sash stops.

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MISCELLANEOUS HARDWARE REPLACEMENT

◆ Horn Removal (see diagram 9 and 10)

If it becomes necessary to remove the horns this can be achieved by removing the retaining screw from behind the pile seal. The horn can then be released by inserting a small flat screwdriver through the 6mm hole in the back of the horn, as shown.

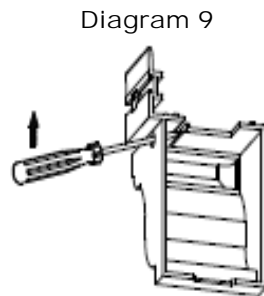


Diagram 9

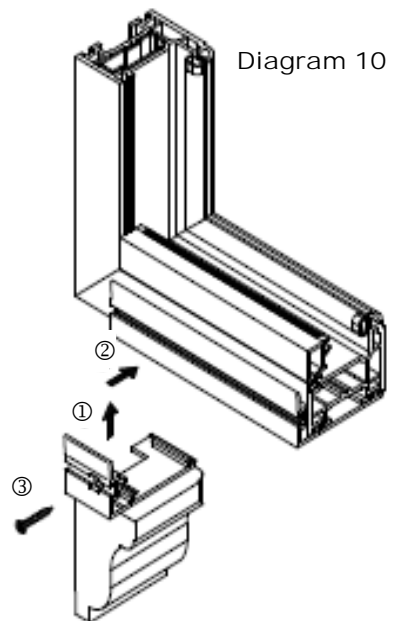


Diagram 10

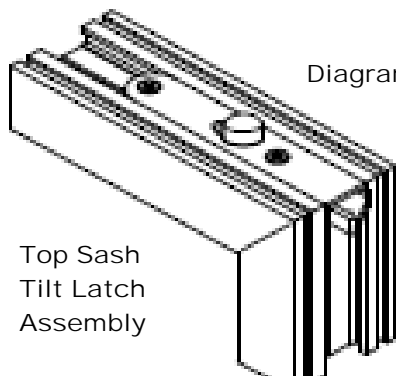


Diagram 11

Top Sash
Tilt Latch
Assembly

◆ Top Sash Tilt Latch (see diagram 11)

Diagram 11 is of the top sashes' tilt latch assembly. The diagram shows the right hand latch only, the left hand latch fits in the rebate at the opposite end of the sash

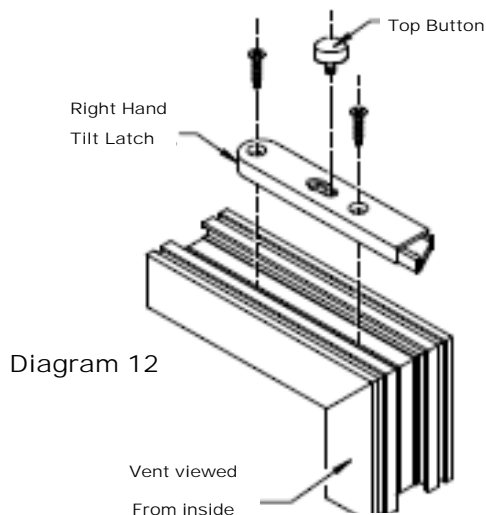


Diagram 12

◆ Tilt Latch Location and Fixing (see diagram 12)

The tilt latches are left and right handed. The appropriate tilt latch is positioned in the rebate so that the casing sits flush with the edge of the sash. It is then secured using the two self drilling screws. The tilt latch button screws directly into the tilt latch.

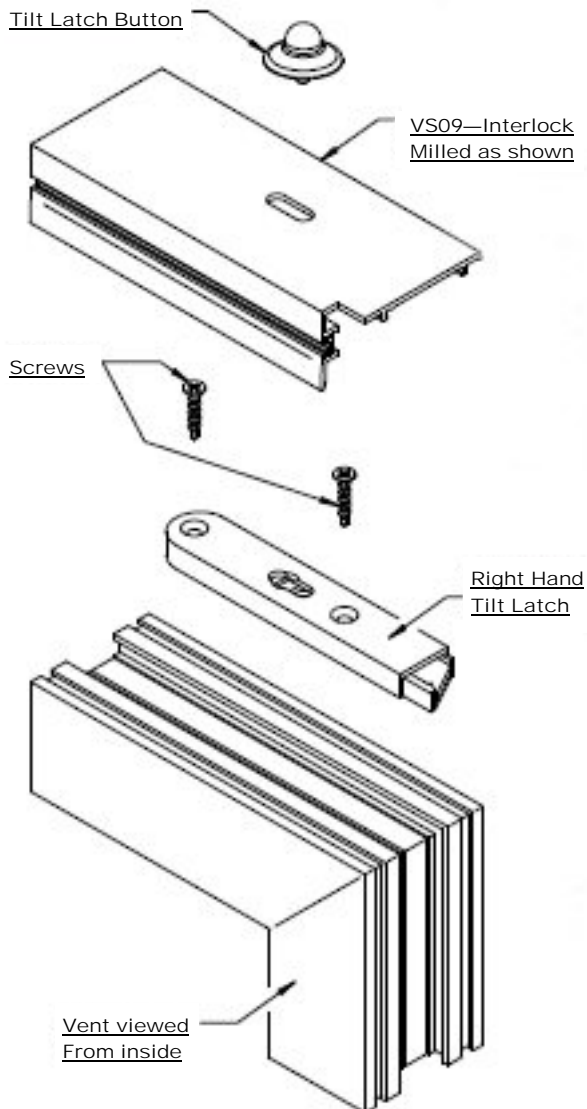
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MISCELLANEOUS HARDWARE REPLACEMENT

◆ Bottom Sash Tilt Latch (see diagrams 13 and 14)

Diagram 13



These diagrams are of the bottom sashes' tilt latch and interlock assembly. The diagram shows the right hand latch only, the left hand latch fits in the rebate at the opposite end of the sash.

Tilt latch location and fixing

The tilt latches are left and right handed. The appropriate tilt latch is positioned in the rebate so that the casing sits flush with the edge of the sash. It is then secured using the two self tapping screws.

Interlock orientation and location

The interlock is positioned so that the slots are in line with the slots in the latch, and the removed corner section is towards the inside of the vent.

Tilt latch button location

The tilt latch button thread is fastened into the tilt latch through the slot in the interlock.

Bottom Sash Tilt
Latch & Interlock
Assembly

Diagram 14

