

This operating manual includes the initial adjustment instructions after installation and routine maintenance instructions of the windows. The operation of the window should be checked and adjusted to ensure a smooth operation and the operation ease can be increased by adjusting the fittings as prescribed below. The force needed for locking and unlocking of the window is defined according to ASTM standard E2068-00.

1. SASH OPERATION

Unlock door sash by turning lock cylinder clockwise if handle is on left, and counter clockwise if lock cylinder is on right (Figure 1) and push down door handle to open sash. Push sash in an outward motion to open for 1450 series and pull inward for 1460 series. To close door, leave the handle in the same open position, and push sash to close against frame. Once the sash is in close tight position, pull handle upward, and turn lock cylinder 180° to lock door (see Figure 2).

2. ANTI SLAM LATCH

Doors will be delivered with a blue cover piece to temporarily cover the anti slam latch (see Figure 3) and must only be removed once alignment and installation are complete. First please ensure that the anti slam latch is aligned against the latch and dead bolt strike plate (see Figure 4). Failure to do so may result in the anti slam latch falling into the void of the strike plate and keeping the door stuck in the closed position. When the blue cover is removed please make sure the anti slam latch is orientated the same direction as the latch bolt. If this is not the case then gently pull the anti slam latch and rotate it until it is facing the same direction.

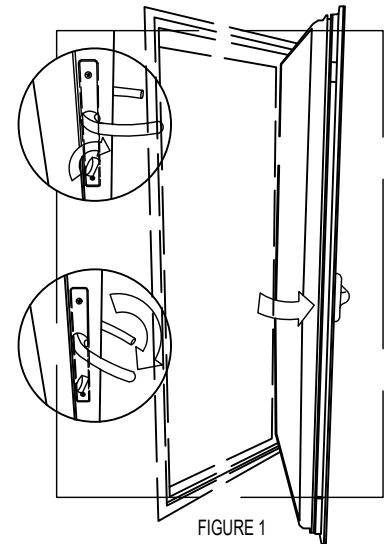


FIGURE 1

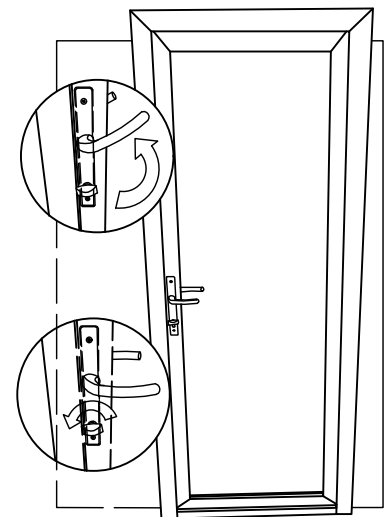


FIGURE 2

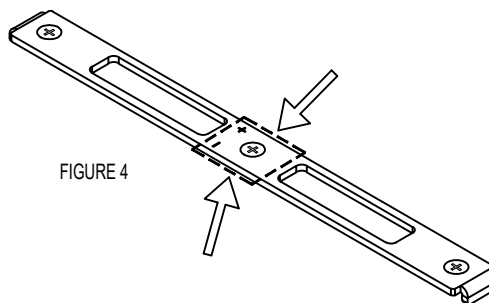


FIGURE 4

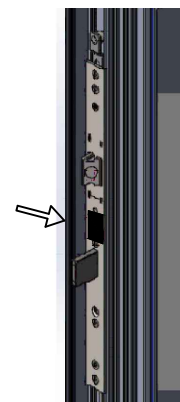


FIGURE 3

3. KEEPER ADJUSTMENT

To adjust keeper position, release keeper with 2.5mm allen key by turning counter clockwise and slide keeper up or down to the desired position (see Figure 5).

To adjust frontward or reverse for compression, insert 2.5mm allen key at the middle of the keeper where the screw to release keeper leg is located. Pull keeper leg towards positive sign indicator of the keeper for more compression (see Figure 5). push toward negative sign indicator if sash is too tight.

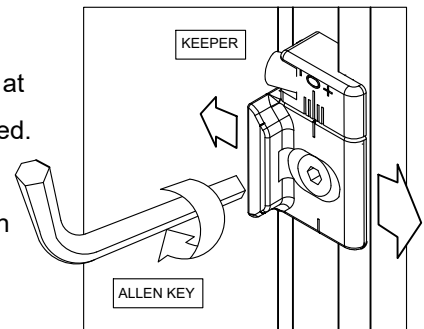


FIGURE 5

4. CLEANING

Remove any visible residue on the door frame and sashes. Use vacuum cleaner to pickup loose debris. Inspect and clean all weep holes to ensure proper drainage. Use lukewarm water and a damp cloth. Start from the top, working your way to the bottom of the window. First clean on horizontal direction, then in vertical direction. Cloth must be frequently rinsed and clean. Use soft sponge or squeegee and scrub gently to remove tough dirt while applying water to the surface. Use a mild detergent to remove other tough stains. Dry with clean cloth. Never use liquid grease removers, paint removers, chlorine bleach, acid, abrasive cleaners and any other harsh chemicals. Never use abrasive pads to clean finished surfaces. Do not use excessive abrasive rubbing to remove stubborn stains for it may damage finished surfaces. Do not clean on sun-heated surfaces, only in shaded areas, or areas not exposed to sunlight. Do not use razor sharp blades to clean glass. Do not leave masking tapes, for when sun-baked, it will be permanently attached and impossible to remove without damaging the surface.

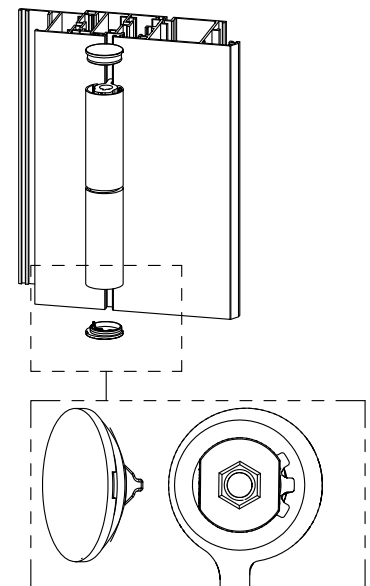
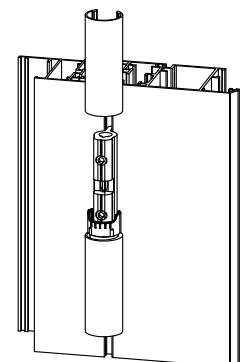


FIGURE 6

5. SASH ADJUSTMENT

Remove hinge's cap and hinge cover with flat head screw driver. Be careful not to scratch the paint (See Figure 6)



To adjust sash upward or downward on a vertical motion (See Figure 7); Insert 6mm Allen key on the grub screw integral with the frame hinge body at the bottom of the hinge. This will provide (0/+3mm) vertical adjustment.

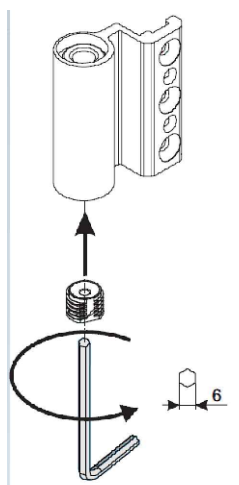
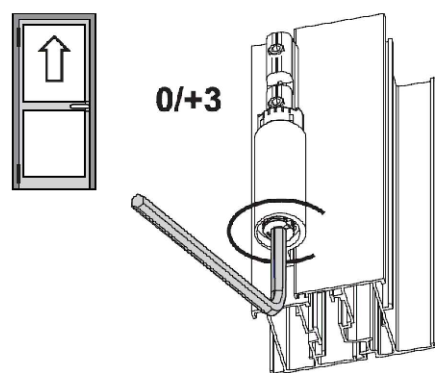


FIGURE 7

Height adjustment



To adjust sash sideways (see Figure 8), Using an Allen key on the eccentric pin, then locking it the desired position by means of two grub screws. This will provide (-2/+2mm) horizontal adjustment.

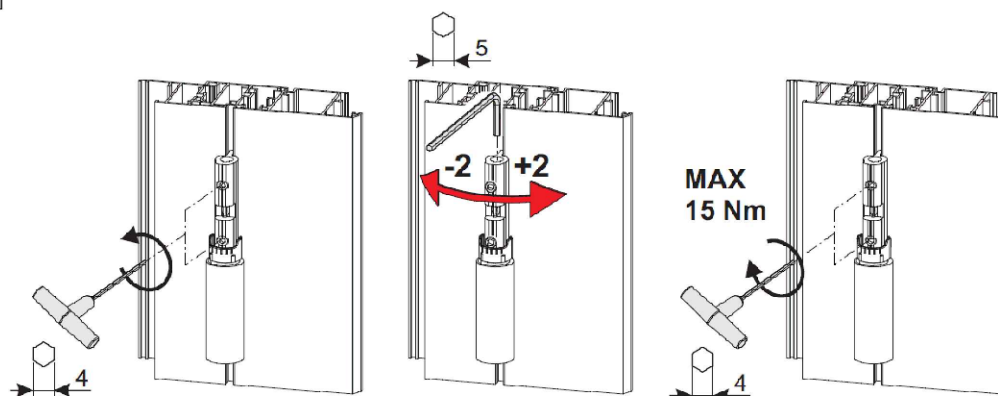
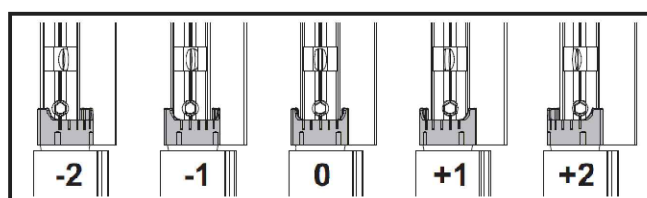
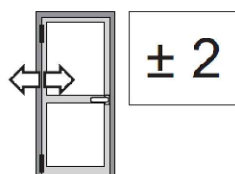


FIGURE 8

To adjust sash compression on hinge side to forward or reverse motion (see Figure 9), obtainable by turning the eccentric bush in the frame hinge body. This will allow $(-0.5/+0.5\text{mm})$ lateral pressure adjustment.

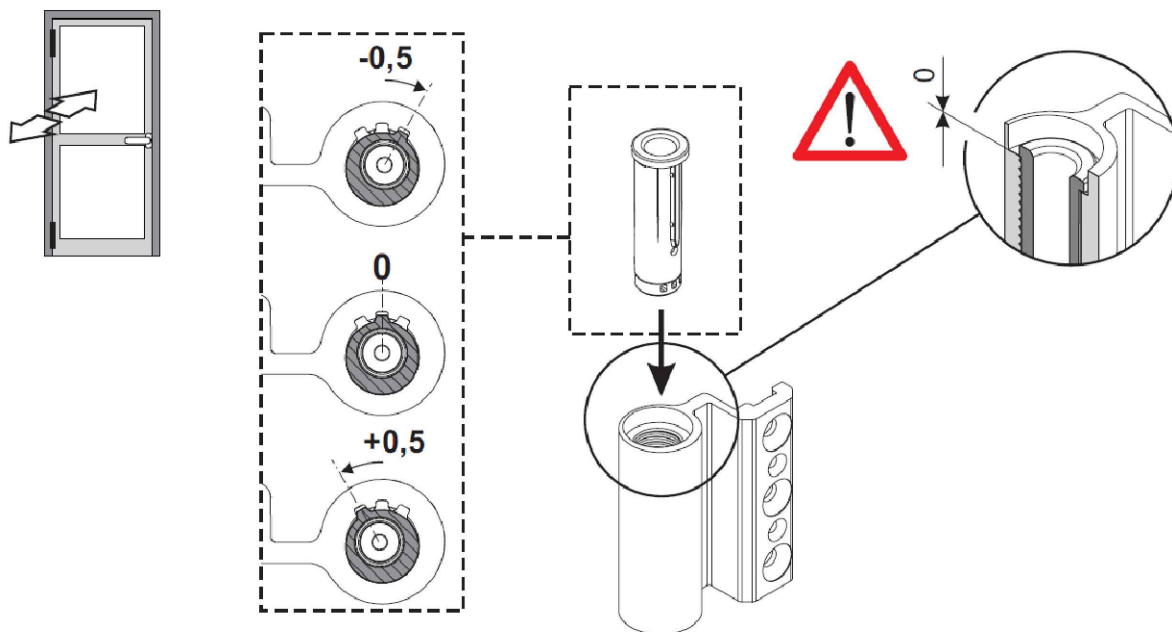


FIGURE 9