



Installation Instructions

One Piece Door Lock and Strike



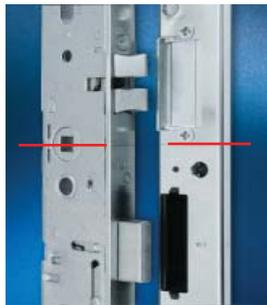
This door is fitted with a Maco one piece door lock and striker plate set. By following a few simple steps during installation this lock will give years of trouble free service.



1. To ease the installation process for single doors the Maco one piece door strikes are fitted with screw holes to conceal the frame fixing bolts.

Simply remove the plastic cover and find the best positioned hole for securing the door. Drill through the strike and insert the fixing bolt, after completion simply replace the plastic cover.

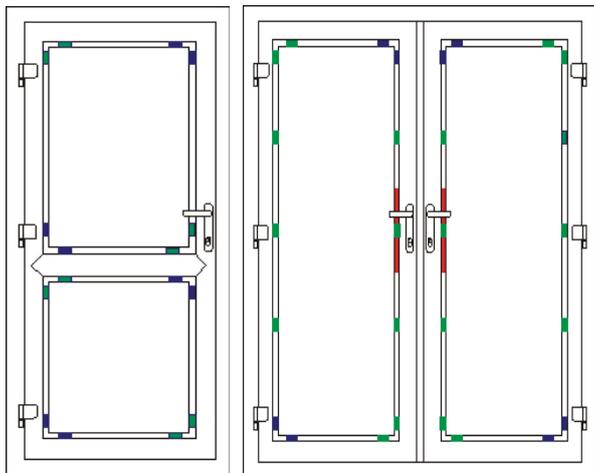
NOTE: It is not necessary to remove the striker plate from the door frame to install the frame.



2. Maco door locks and one piece striker plates are marked with centre lines. Once the door set has been installed and the glass toe and heeled, these centre lines should correspond with one another. Should it be necessary to adjust the door hinges, this should only be done once the glass has been toe and heeled. Once installation and adjustment has been completed the door lock and striker plate has sufficient clearances to allow for thermal movement and settling in of the door.

The locking system has been designed for a 12mm air gap. On a profile system with a 20mm rebate leg the sash overlap/cover should be 8mm. The lock will function with a sash coverage of between 5 and 12mm.

NOTE: It is good practice to fit a run up block to either the bottom of the frame or the underside of the sash to prevent the door from dropping.



Step 1. – Toe and Heeling

Toe and heeling of the glass/infill panel is essential in order that the door functions smoothly. Clip in the bridge packers and then use glass packers to toe and heel the glass/infill panel.



Step 2. – Optional Packing

Additionally to toe and heeling the glass/infill panel it is good practice to fit additional clip in bridge packers and glass packers to reduce the movement of the sash adjacent to the locking points helping to increase the security.



On double doors without mid rails the glass/infill panel should not be packed too tightly on the handle side as this can cause the door sash to bow causing clearance issues. To prevent the packers from moving they should be siliconed in position.

The application of a 200mm silicone bead on double doors without mid rails can help to bond the glass to the sash helping to prevent thermal movement and the sash from bowing in the centre.



3. The door lock and striker plate come pre-set in the central position. It should not be necessary to adjust the lock. If a small adjustment is required the cams can be adjusted by using a Maco adjusting spanner, article number 20947 or a 9mm spanner.

The cam is set in the central position. By turning the cam horizontally you can increase the gasket contact pressure and vertically to reduce it.

To adjust the latch plate, slacken by hand the two cross headed screws, adjust the latch as required and re-tighten the two screws.

It should not be necessary to adjust the cam striker inserts. By doing so there is a danger that the lock will over compress the gaskets resulting in a higher than normal handle pressure. Alternatively if adjusted the other way, the door may not have sufficient gasket compression.



CAUTION: Do not use power tools to adjust the screws on the single piece latch plate. Lubricating oils, Anti Rust (WD40), or Silicone sprays etc should **not** be used.

Maintenance Instructions: 1. The door lock (centre lockcase) is supplied with a permanent high quality lubricant and does not require further lubrication. 2. The latch and deadbolt must be lubricated once a year. Bolts, hooks and iS cams must also be lubricated once a year.

Only use petroleum jelly to lubricate the locking points.

