



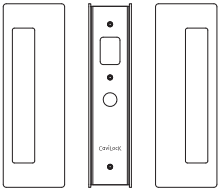
CL400[®] Magnetic

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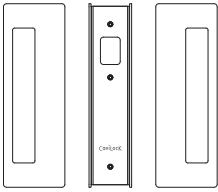
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Installation Instructions for CL400 Magnetic Passage Handle

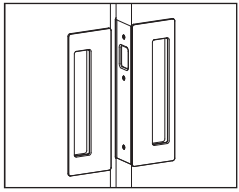
CL400 Latching Passage Handle



CL400 Non-Latching Passage Handle



CL400 Bi-Parting Passage (Non Latching)



(Refer to Instruction 18)

Before you Start:

- This handle has been manufactured to specifications which **cannot** be altered by the installer. These include:
 - Handle type:** the CL400 handle is available in *Passage*, *Privacy*, *Key Locking* and *Bi-Parting* versions. You have purchased the **Passage** version.
 - Configuration:** the Passage handle configurations include; *Passage Latching* and *Passage Non Latching*.
 - Handing** (Passage handles are not handed).
 - Door thickness range:** the CL400 handle is available in three door thickness ranges. These are: 34-40mm, 40-46mm, 46-52mm and 52-58mm (1-3/8" to 1-9/16", 1-5/8" to 1-3/4", 1-13/16" to 2" and 2-1/16" to 2-1/4").

Refer to the information printed on the *Side Handle* and *Chassis* boxes to ensure you have purchased a handle with the correct specifications for your situation. **If the specifications are incorrect you will need to exchange the handle.**

- Component drawings have been provided. Please familiarise yourself with the components and check the package to ensure nothing is missing. **Note:** *Components may vary slightly between configurations.*
- To ensure the handle latches accurately, it is essential that the door is adjusted for height and is parallel with the closing jamb when closed **before** installing the handle and striker.
- This is a metric handle. **Accurate measurements are shown in millimetres. Conversions to inches are approximate.**

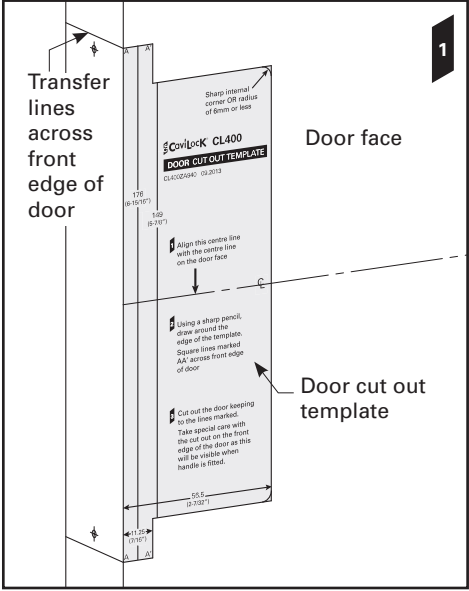


WARNING: THE STRIKER CONTAINS A STRONG MAGNET
IRON FILINGS - Magnets will attract shavings from iron or ferrous metals which may be hard to remove. Keep the striker a safe distance away from these materials.

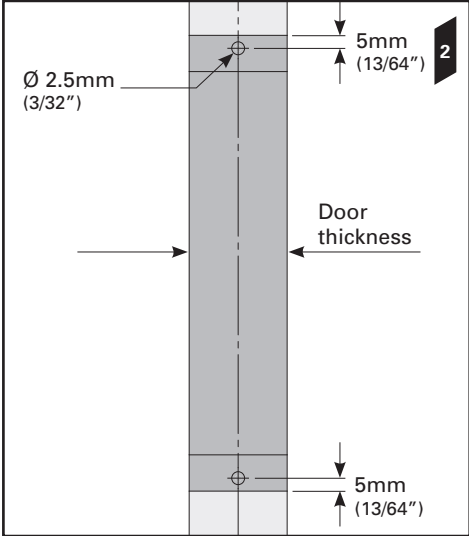
DANGER FOR CHILDREN - Magnets may cause serious injury if swallowed. Keep out of reach of children.
CRUSHING, BLISTERS AND CUTS - Fingers may become caught between magnets resulting in crushing, blisters or cuts.
BREAKING OR CHIPPING - It is possible that magnets could chip or shatter on contact, resulting in chips flying off at high speed into someone's eye. Chips can also be very sharp - treat them as you would broken glass.
MAGNETICALLY SENSITIVE ITEMS - Keep a safe distance between the magnet and all objects that can be damaged by magnetism (e.g. mechanical watches, pacemakers, cell phones etc.).
DISPOSAL - Magnets should be disposed of carefully and in accordance with your local regulations.

Door Preparation

- Mark a line on the face of the door where the centre of the handle is to be positioned. Align the centre line on the *door cut out template* with the centre line on the door. Follow the instructions on the template.

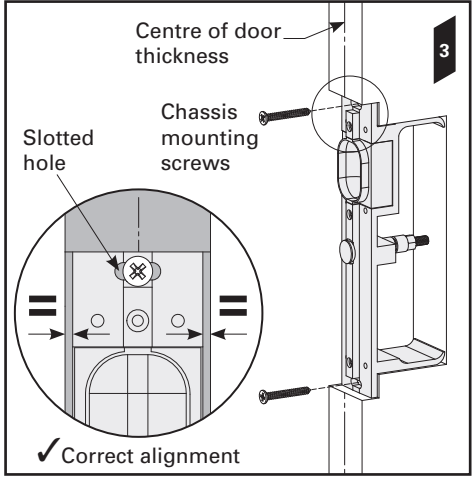


- Mark two holes in the centre of the door thickness in the positions shown. Using these marks, drill two 2.5mm (3/32") diameter holes to a depth of 35mm (1-3/8").

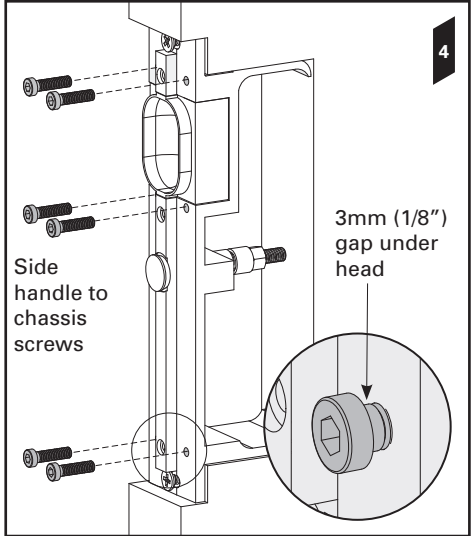


Fitting the Chassis

- Remove the *face plate screw* and *face plate* from the *chassis*. Align the chassis with the centre of the door thickness. Screw the chassis to the door (using the 2x *chassis mounting screws*) through the slotted holes at the top and bottom of the chassis. **DO NOT** fully tighten the screws. Realign the chassis with the centre of the door thickness. When happy with the chassis position, fully tighten the screws.



- Fit the 6x *side handle to chassis screws*. Leave a 3mm gap (1/8") between the underside of the screw head and the chassis.



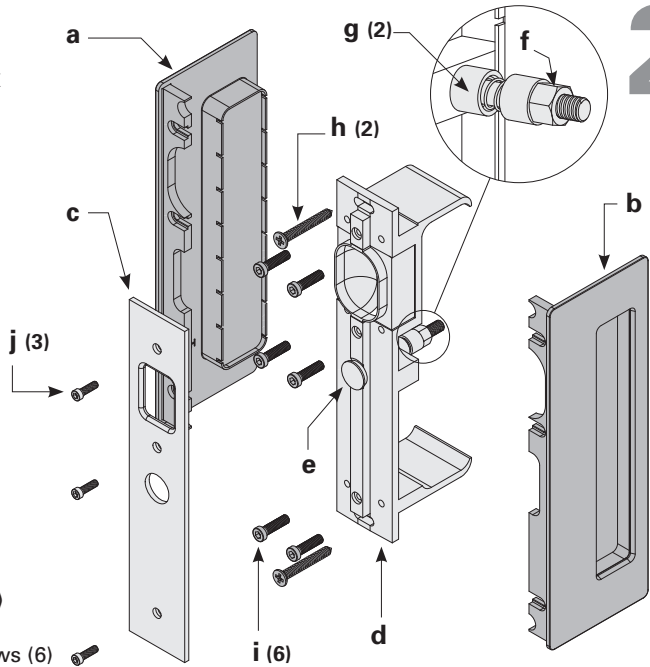
Component Drawings

Passage Side Handle Box

- a Passage Side Handle (Left)
- b Passage Side Handle (Right)

Passage Chassis Box

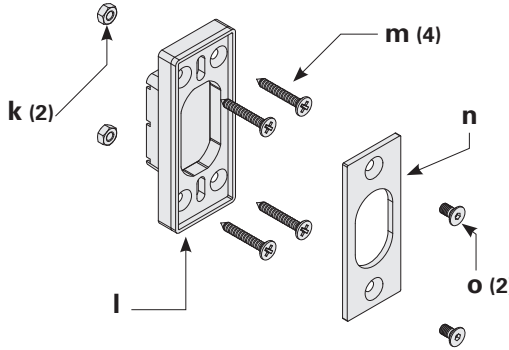
- c Passage Face Plate
- d Passage Chassis
- e Plunger
- f Plunger Nut
- g Spring Reservoirs (2)
- h Chassis Mounting Screws (2)
- i Side Handle to Chassis Screws (6)
- j Handle Face Plate Screws (3)



Note: *Latching version shown above. Components will vary between the 'latching' and 'non-latching' version.*

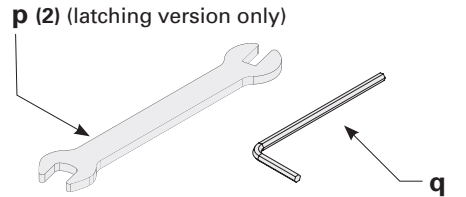
Striker Box (latching version only)

- k Striker Nuts (2)
- l Striker Body
- m Striker Mounting Wood Screws (4)
- n Passage Striker Face Plate
- o Striker Face Plate Screws (2)



Tools (contained in Passage Chassis Box)

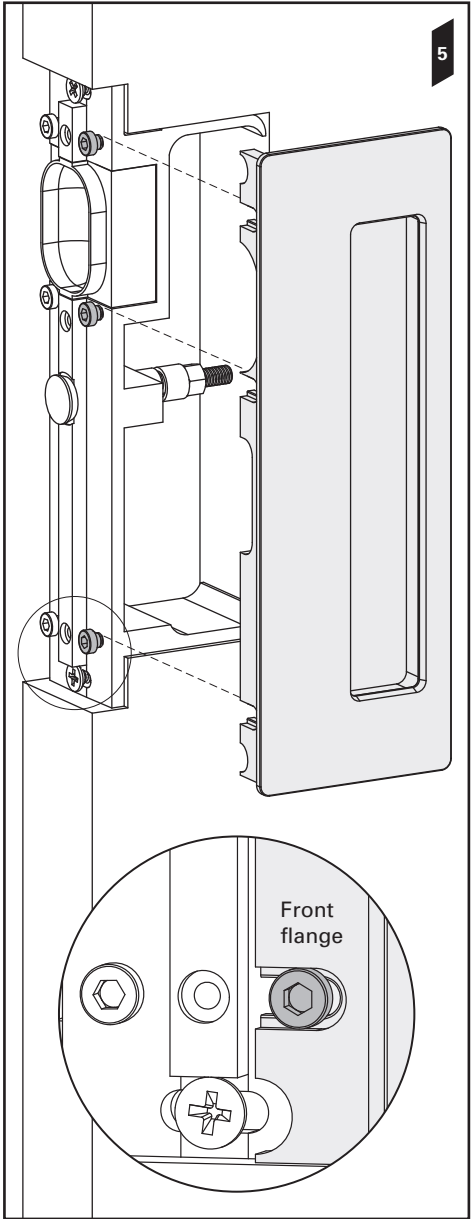
- p Plunger Adjustment Spanners (2)
- q CL400 Allen Key (used for all machine screws)



Fitting the First Side Handle

- Fit **ONE** *passage side handle* (left **OR** right) to the chassis by sliding the front flange of the handle under the heads of the 3x *side handle to chassis screws*. Tighten the screws.

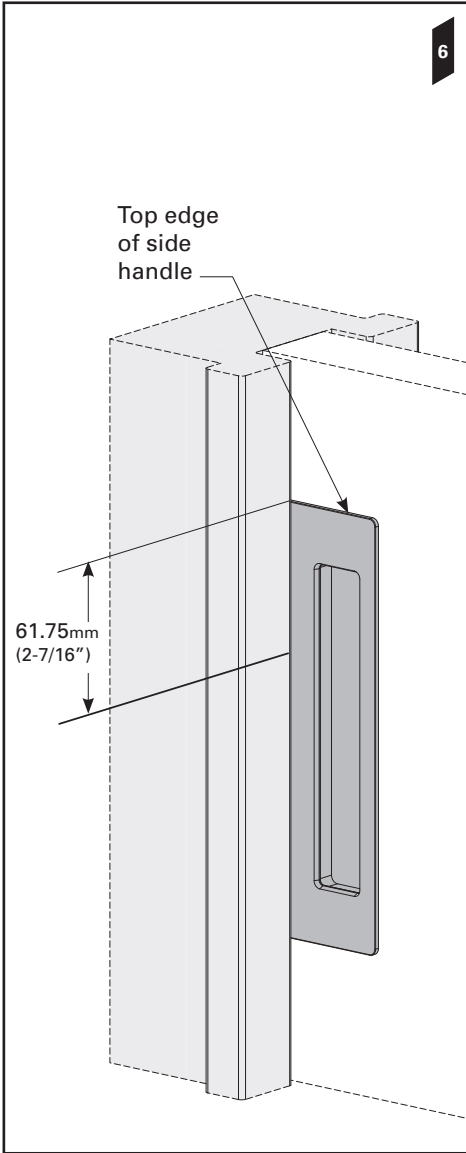
If you are fitting a **Non-Latching** or **Bi-Parting** handle, skip to **Step 16**; otherwise continue to **Step 6**.



Fitting the Striker

- Close the door and mark a horizontal line on the closing jamb 61.75mm (2-7/16") down from the top edge of the side handle.

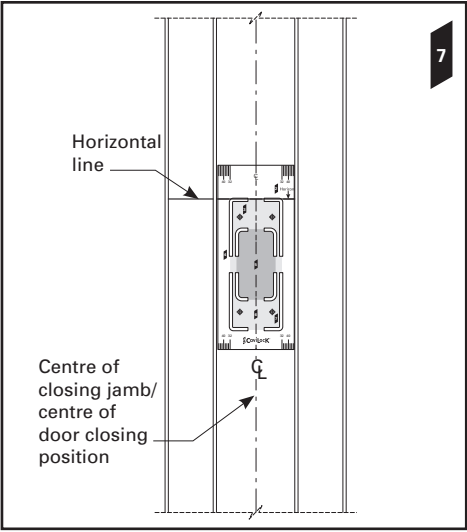
Note: *these instructions are demonstrated on a recessed closing jamb, however, the same method applies to a flat closing jamb.*



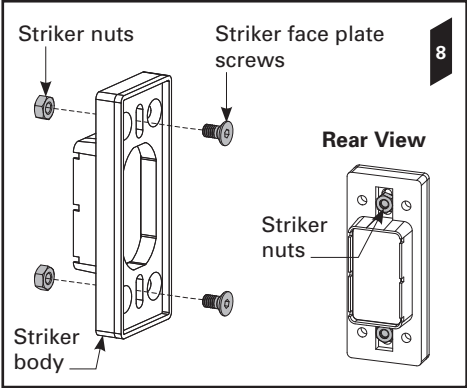
Go to page **5** (overleaf) ➔

Fitting the Striker

7. Open the door. Transfer the horizontal line across the centre of the closing jamb. This line represents the top of the striker cut out. A double-sided *striker cut out template* has been provided. Use the 'FLUSH striker template' and instructions to router out the recess in the closing jamb.

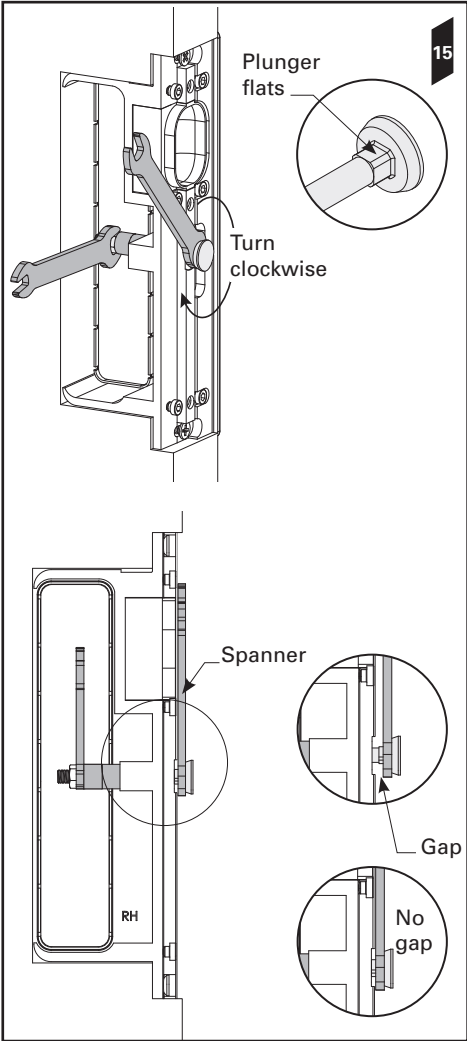


8. Remove the *striker* from its box. Remove the *striker face plate* from the *striker body*. Insert the 2x *striker nuts* into the recess in the back of the *striker body*. Insert the 2x *striker face plate screws* through the slot in the front face of the *striker body* and into the *striker nuts*. Loosely tighten the screws.

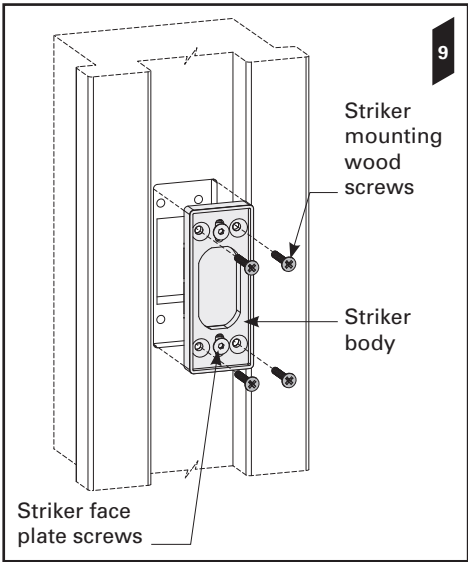


Adjusting the Plunger

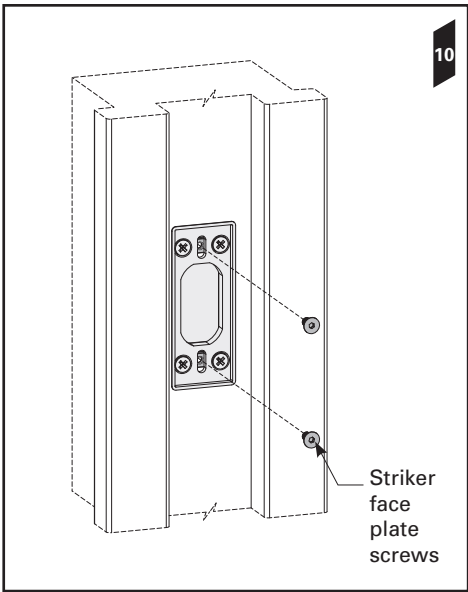
15. Place the **small** end of the second spanner across the flats under the head of the *plunger*. Keep the spanner restraining the plunger nut **stationary** while turning the second spanner **clockwise**. Continue to turn the spanner until there is no longer a gap between the spanner and the chassis. Now turn the spanner **anti clockwise** half a turn. The plunger should now be adjusted correctly. Slide the door closed to check that it latches. Adjust if necessary.



9. Insert the *striker body*, with the *striker face plate screws* and the *striker nuts* attached, into the cut out in the closing jamb. Screw the 4x *striker mounting wood screws* into the closing jamb.

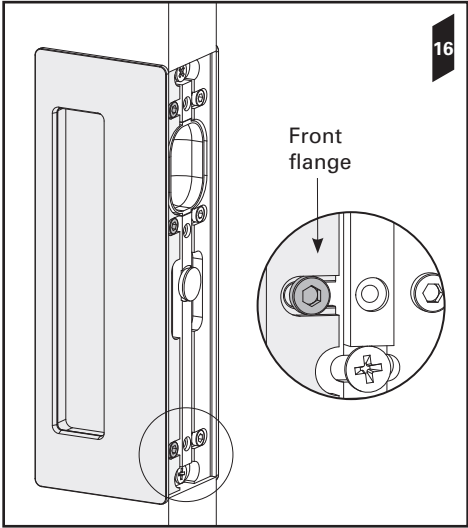


10. Remove the *striker face plate screws*. The *striker nuts* are now trapped in position.



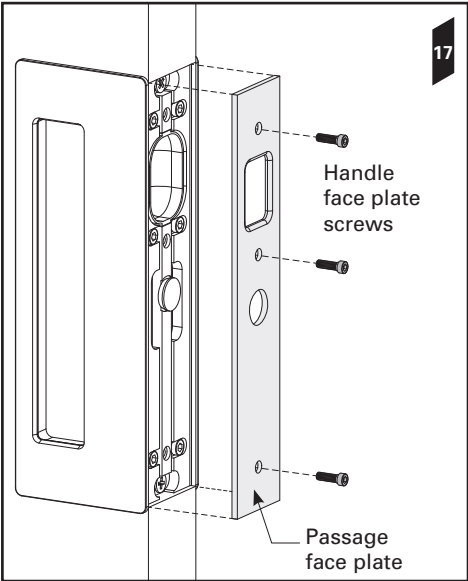
Fitting the Remaining Side Handle

16. Fit the remaining side handle to the chassis (using the 3x *side handle to chassis screws*) by sliding the front flange of the handle under the heads of the three screws. Tighten the screws.



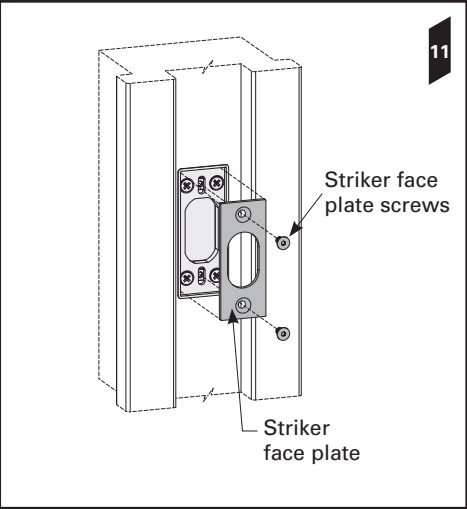
Fitting the Face Plate

17. Fit the *passage face plate* to the chassis using the 3x *handle face plate screws*.

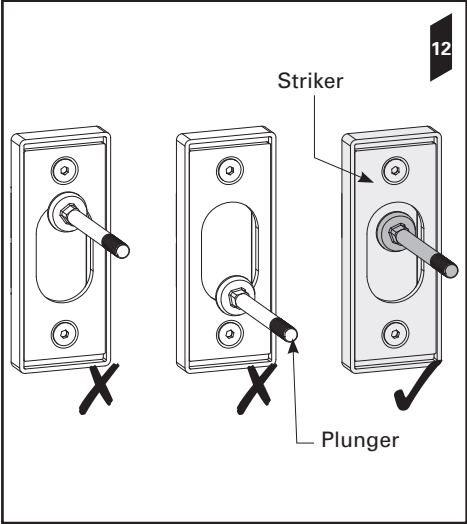


Fitting the Striker

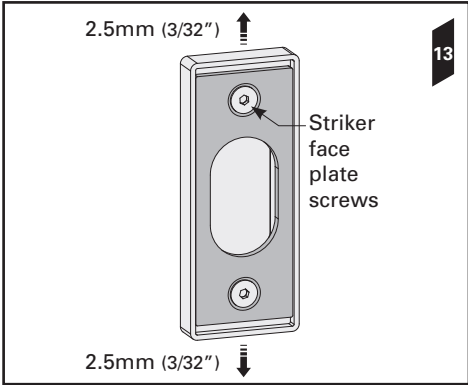
11. Position the *striker face plate* in the centre of the *striker body* - this may need to be adjusted in the steps following. Insert the *striker face plate screws* and loosely tighten.



12. Close the door. When the *striker* is fitted correctly the magnet will draw the *plunger* forward. If this does not happen the *striker* is misaligned with the *plunger* (see below). If the alignment is correct, tighten the screws and skip to **Step 14**; otherwise continue to **Step 13**.

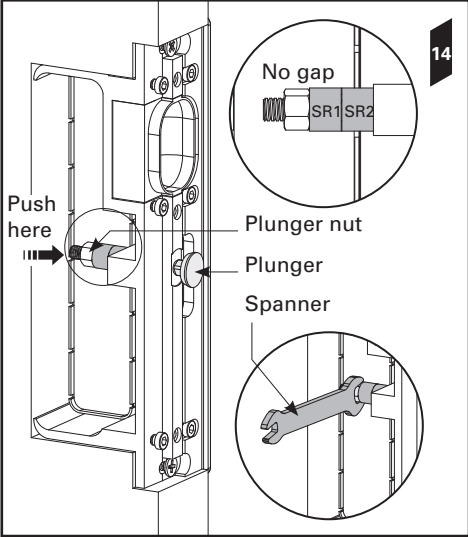


13. The *striker* allows 2.5mm (3/32") of adjustment in each direction when the *striker face plate* is fitted in the centre of the *striker body*. To adjust the face plate position, loosen the *striker face plate screws* slightly and adjust the face plate up or down to allow the *plunger* to penetrate the *striker face plate*. If the *plunger* still fails to penetrate the *striker face plate*, the door height may need to be adjusted.



Adjusting the Plunger

14. Manually push the *plunger* forward until there is no gap between *spring reservoir one* (SR1) and *spring reservoir two* (SR2). Restrain the *plunger nut* using the **large** end of one of the two identical supplied *spanners*.



Bi-Parting Handles

18. If you are installing a **CL400 Bi-Parting - Passage (Non Latching)** handle, both handles are the same and you can simply repeat the Passage Handle installation instructions. **Ignore any reference to the *striker* or *plunger*.**

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