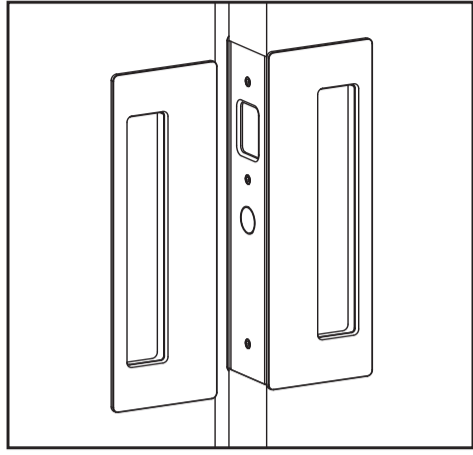


# CL400<sup>®</sup> Magnetic 1

PAGE

## Installation Instructions for CL400 Bi-Parting Passage (Magnetic Latching) Handles



### Before you Start:

1. These handles have been manufactured to specifications which **cannot** be altered by the installer. These include:

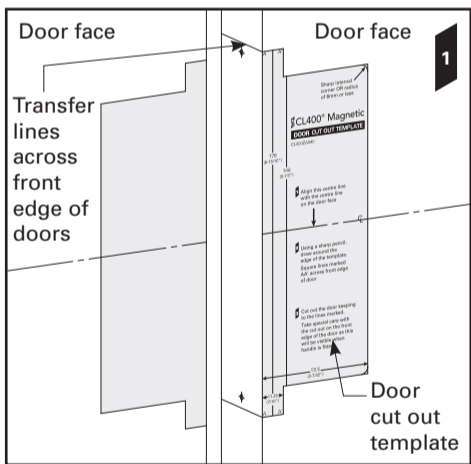
- a **Handle type:** the CL400 handle is available in *Passage, Privacy, Key Locking* and *Bi-Parting* versions. You have purchased the **Bi-Parting Passage (Magnetic Latching)** version.
- b **Configuration:** the Passage handle configurations include; *Passage Magnetic Latching* and *Passage Non Latching*.
- c **Handing** (Passage handles are not handed).
- d **Door thickness range:** the CL400 handle is available in four 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 the handles with the correct specifications for your situation. **If the specifications are incorrect you will need to exchange the handles.**

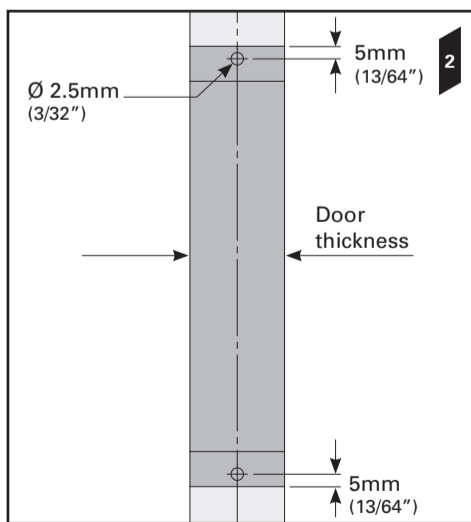
- 2. Component drawings have been provided. Please familiarise yourself with the components and check the package to ensure nothing is missing.
- 3. To ensure the handles latch accurately, it is essential that both doors are adjusted for height and are parallel with each other when closed **before** installing the handles.
- 4. The CL400 is a metric handle. **Accurate measurements are shown in millimetres. Conversions to inches are approximate.**

### Door Preparation

- 1. Mark a line on the face of the doors where the centre of the handles are 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. Repeat cut out for both doors.

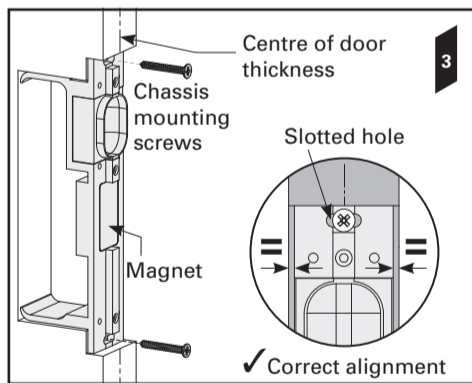


- 2. Mark two holes in the centre of the door thickness in the positions shown. Using these marks, drill two 2.5mm (3/32") diameter holes to a depth of 35mm (1-3/8"). Repeat holes for both doors.

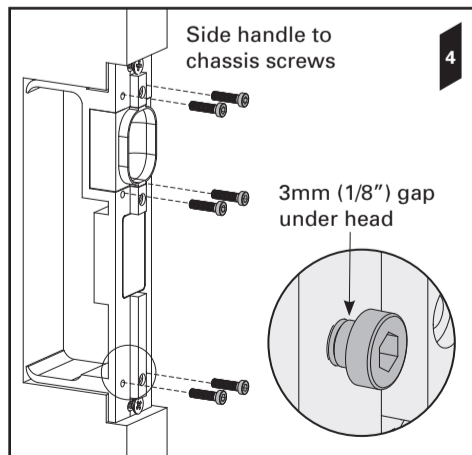


### Fitting the Bi-Parting Mate

- 3. The Bi-Parting chassis contains a strong magnet. **Read the warning on page 2 before continuing.** Remove the *Bi-Parting chassis* from its packaging. 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 two *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.



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



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**IMPORTANT: Install THIS handle FIRST**

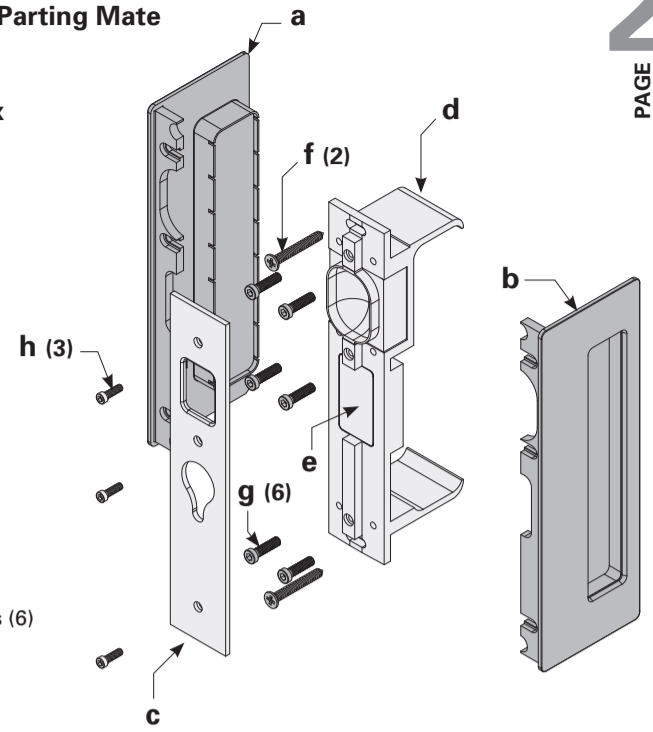
### Component Drawings - Bi-Parting Mate

#### Bi-Parting Side Handle Box

- a Bi-Parting Side Handle (Left)
- b Bi-Parting Side Handle (Right)

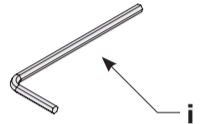
#### Bi-Parting Chassis Box

- c Bi-Parting Face Plate
- d Bi-Parting Chassis
- e Magnet
- f Chassis Mounting Screws (2)
- g Side Handle to Chassis Screws (6)
- h Handle Face Plate Screws (3)



#### Tools (contained in Bi-Parting Chassis Box)

- i CL400 Allen Key (used for all machine screws)



**WARNING: THE BI-PARTING CHASSIS CONTAINS A STRONG MAGNET**

**IRON FILINGS** - Magnets will attract shavings from iron or ferrous metals which may be hard to remove. Keep magnets 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.

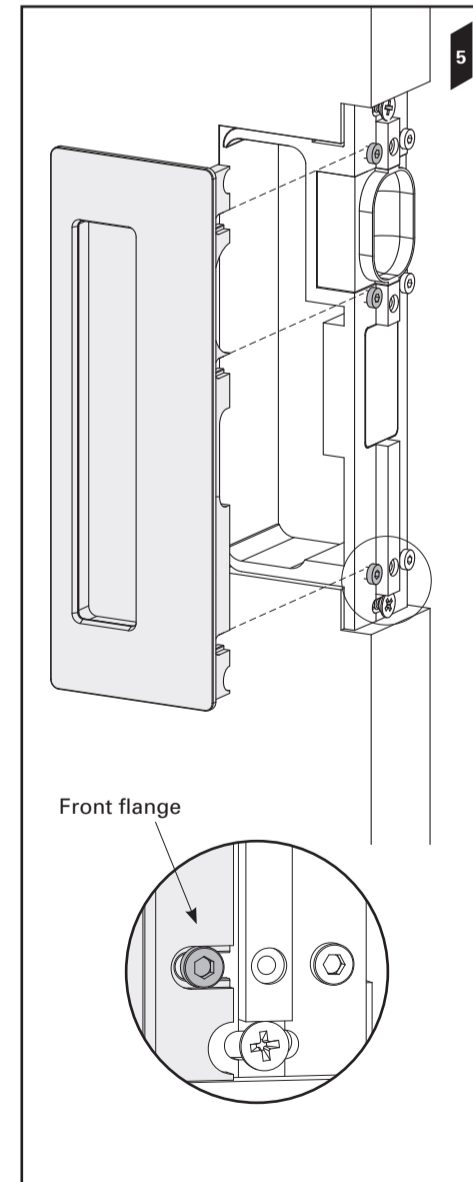
**BREAKING OR CHIPPING** - It is possible that magnets could chip or shatter on contact with other hard materials, resulting in chips flying off at high speed into someone's eye. Chips can also be very sharp - treat them as you would broken glass.

**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.).

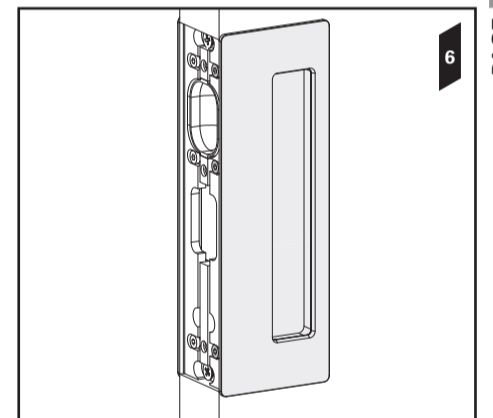
**DISPOSAL** - Magnets should be disposed of carefully and in accordance with your local regulations.

### Fitting the Bi-Parting Mate

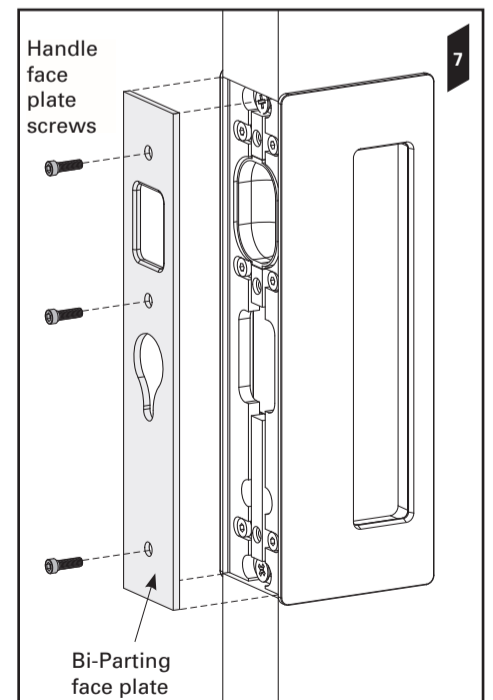
- 5. Fit one of the *Bi-Parting side handles* (left OR right) to the chassis by sliding the front flange of the handle under the heads of the 3x *side handle to chassis screws*. Tighten the screws.



- 6. Fit the remaining Bi-Parting side handle to the chassis and tighten the screws.



- 7. Fit the *Bi-Parting face plate* to the chassis using the 3x *handle face plate screws*.



Go to page 5 (overleaf) →

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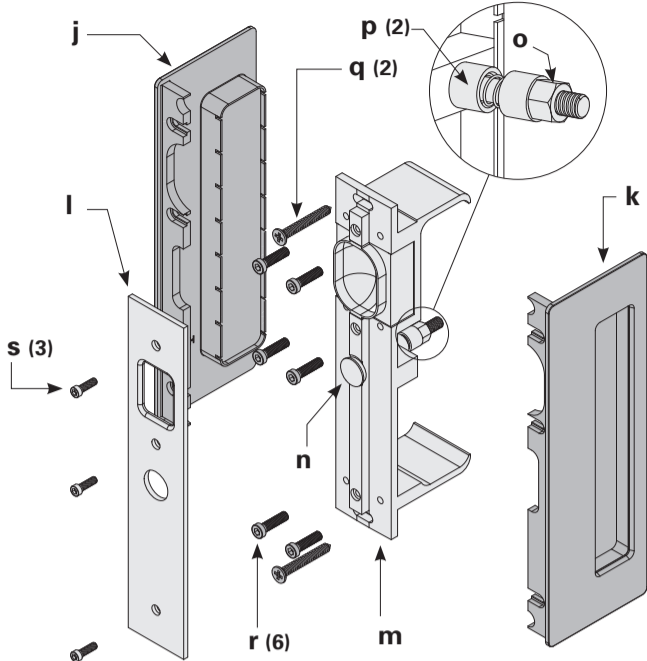
**Component Drawings - Passage Handle**

**Passage Side Handle Box**

- j** Passage Side Handle (Left)
- k** Passage Side Handle (Right)

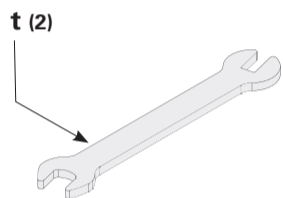
**Passage Chassis Box**

- l** Passage Face Plate
- m** Passage Chassis
- n** Plunger
- o** Plunger Nut
- p** Spring Reservoirs (2)
- q** Chassis Mounting Screws (2)
- r** Side Handle to Chassis Screws (6)
- s** Handle Face Plate Screws (3)



**TOOLS (contained in Passage Chassis Box)**

- t** Plunger Adjustment Spanners (2)

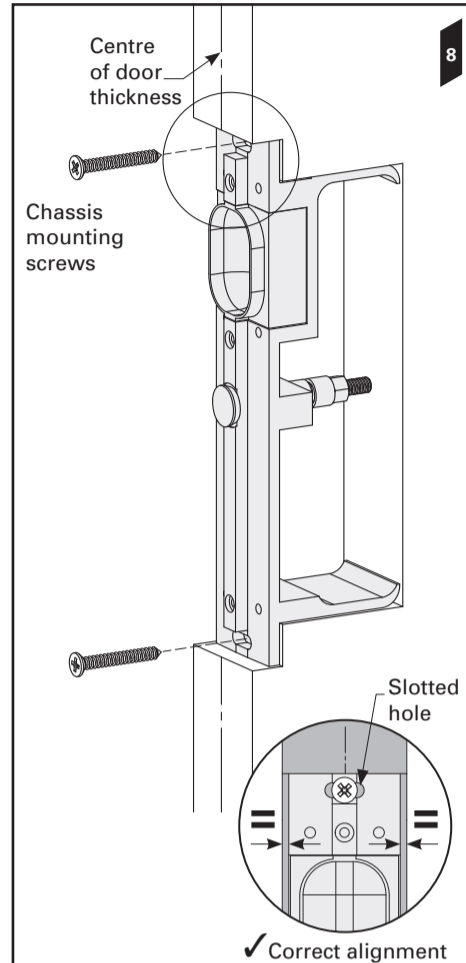


**Fitting the Passage Handle**

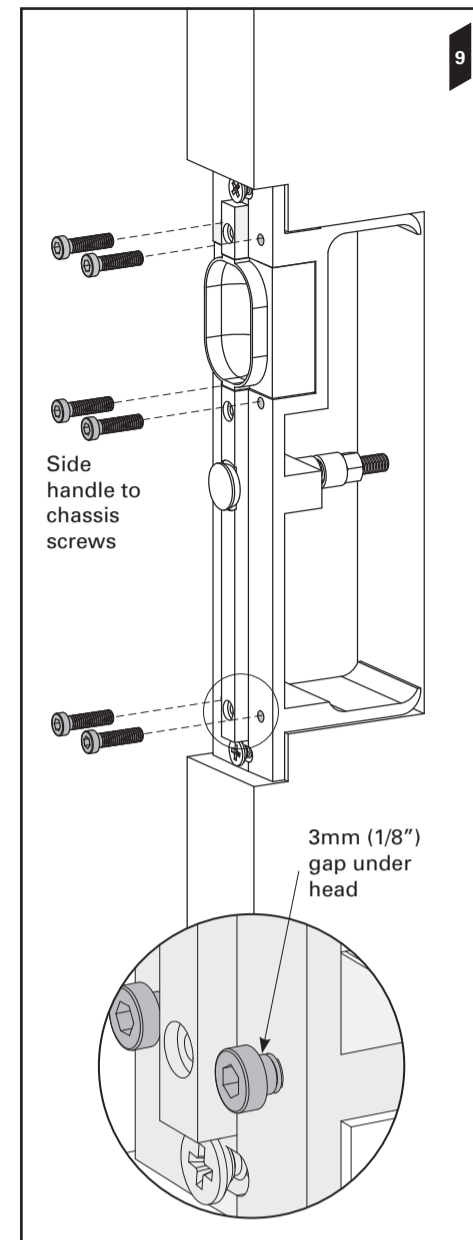
**8.** Remove the *passage chassis* from its packaging. Remove the *face plate screw* and *face plate* from the chassis.

Align the chassis with the centre of the door thickness. Screw the chassis to the door (using the two *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.

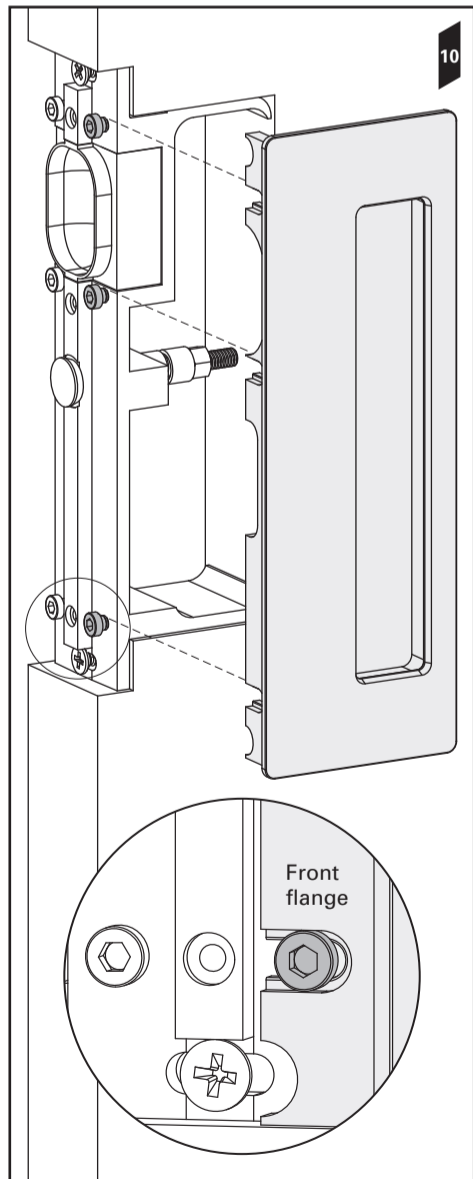


**9.** Fit the 6x *side handle* to chassis screws. Leave a **3mm gap** (1/8") between the underside of the screw head and the chassis.



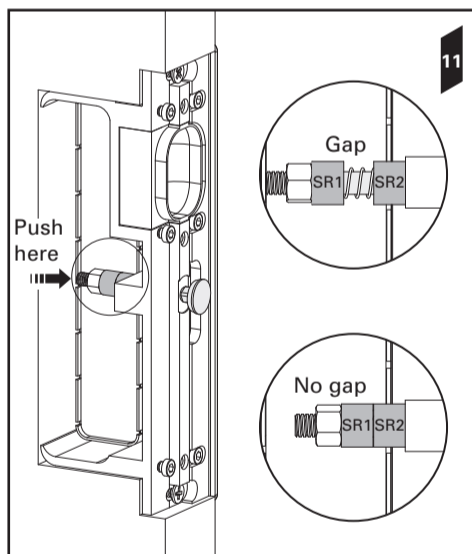
**Fitting the Passage Handle**

**10.** Fit one of the *passage side handles* (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.

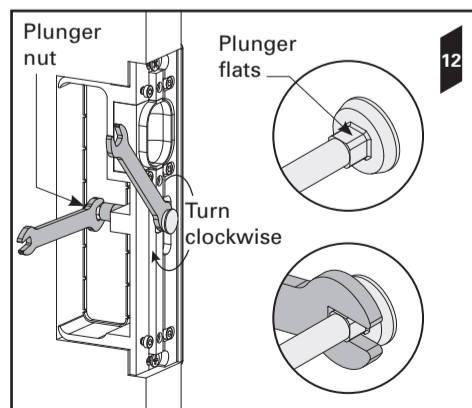


**Adjusting the Plunger**

**11.** Manually push the *plunger* in the passage chassis forward until there is no gap between *spring reservoir one* (SR1) and *spring reservoir two* (SR2).

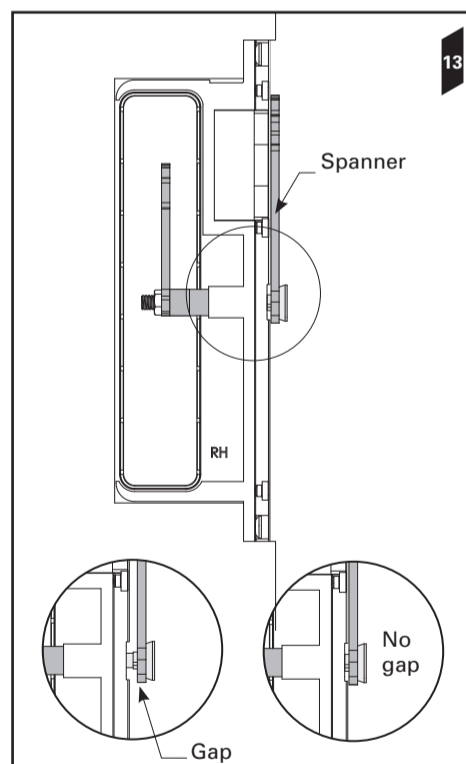


**12.** Two identical spanners have been supplied. Restrain the *plunger nut* using the **large** end of one of the supplied *spanners*. Place the **small** end of the second spanner across the flats under the head of the plunger. Keep the spanner restraining the plunger nut **stationary** while turning the second spanner **clockwise**.



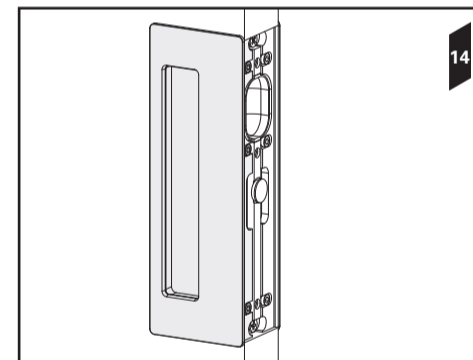
**Adjusting the Plunger**

**13.** 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 doors closed and check that they latch. Adjust if necessary.

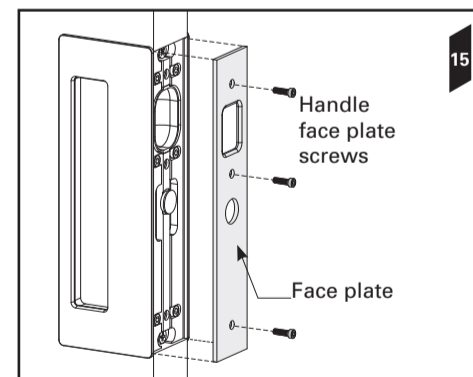


**Fitting the Remaining Side Handle**

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



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



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NZ Patent No. 733386, 628616; Aust Patent No. 2014298044, 2017204461, 2015268657; US Patent No. 10036185



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