Installation Instructions for CAVILOCK CL400 ADA Magnetic Passage Handle

Before you Start:
1. This handle has been manufactured to specifications which cannot be altered by the installer. These include Handle type, Configuration, Handing and Door thickness range. Refer to the information printed on the Side Handle and frame 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.
2. Component drawings have been provided. Please familiarize yourself with the components and check the package to ensure nothing is missing. Note: Components may vary slightly between configurations.
3. To ensure the handle latch fits 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.
4. This is a metric handle. Accurate measurements are shown in millimeters. Conversions to inches are approximate.
5. NZS4121:2001: To comply with NZS4121:2001 the offset handle option must be used. The centre of the handle should be positioned between 900mm and 1300mm (1000mm optimal) above finished floor level. The door needs to be at least 38mm wide (Aust. 160mm) to allow minimum clear walk through of 780mm (Aust. 800mm). There must be a 45mm clear space from edge of pull handle to the nearest door jamb when the door is both fully open and completely closed. A flat closing jamb is recommended. Consult local standards for guidelines relating to the specific project.

USA ADA (Americans with Disabilities Act) Guidelines: Handle should be positioned between 34 - 48” above finished floor level. Allow a minimum of four inches for the protrusion of the door in the open position. This can be achieved by using track stops or blocking in the back of the pocket. Consult local standards for guidelines relating to the specific project.

WARNING: THE STRIKER CONTAINS A STRONG MAGNET

IRON PLINCS - 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, BLASTERS 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, components, credit cards etc.

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

Door Preparation
1. 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 out template with the centre line on the door. Follow the instructions on the template.

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 56mm (1-3/8").

3. Align the centre of the door thickness with the centre of the door thickness. Screw the chassis to the door using the 3x chassis mounting screws through the slotted holes at the top and bottom of the chassis. DO NOT fully tighten the screws. Reseal the chassis with the centre of the door thickness. Whipped happy with the chassis position, fully tighten the screws.

Fitting the Chassis
3. 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 3x chassis mounting screws through the slotted holes at the top and bottom of the chassis. DO NOT fully tighten the screws. Reseal the chassis with the centre of the door thickness. Whipped happy with the chassis position, fully tighten the screws.

Fitting the First Side Handle
5. Select the passage side handle that has no visible screws (see diagram B). Fit it 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 5.

Fitting the Striker
6. Close the door and mark a horizontal line on the closing jamb 61.75mm (2-3/8") from the top of the 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.
Fitting the Striker

7. Open the door. Transfer the horizontal line across the centre of the closing jambs. This line represents the top of the striker cut out. A double-sided striker cut out template has been provided. Use the " PLUSH 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 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.

9. Insert the striker body, with the striker face plate screws and the striker nuts attached, into the cut out in the closing jamb.

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

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 slabs foreward. 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 a 2.5mm (.025") 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.

Fitting the Remaining Side Handle

15. Place the small end of the second spanner screws the flange under the head of the plunger. Keep the spanner restraining the plunger nut stationary whilst turning the second spanner clockwise.

Continue to turn the spanner until there is no longer a gap between the spanner and the chassis.

When the spanner anti clockwise half a turn, the plungers should then be adjusted correctly. Slide the door closed to check. Adjust if necessary.

16. Fit the remaining side handle (with visible handle joining screws fitted) 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.

Fitting the Face Plate

17. Use the bolt end of the CL400 Allen key to tighten the 2x handle joining screws. Use the other end of the Allen key to firmly tighten the screws.

18. Fit the passage face plate to the chassis using the 3x face plate screws.

Bi-Parting Handles

19. 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 for the second door. Ignore any reference to the striker or plunger.

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