

Replacing the resuscitation cabinet single door catch with dual catch system

The Viamed Infant Resuscitation Cabinet System is subject to continuous improvements during the product's life cycle.

One aspect that has been improved upon is to implement a significantly stronger latching mechanism on the drop-down door.

The latest resuscitation cabinet system utilizes a significantly stronger catch than previous versions. The new catch cannot freely rotate without the application of force by the user.

The rotating catch is also mounted on the cabinet body above the door, so that in the unlikely event of the catch rotating freely, it falls into a vertically downward, closed, position for additional safety.



Older version with the rotating catch mounted on the door



New version with the rotating catch mounted on the cabinet body

For additional safety, the cabinet uses dual catches, which are mounted approximately 100 mm from either edge of the cabinet. This also has the advantage of preventing accidental opening of the cabinet, as both catches need to be operated in order to allow the door to open.



Cabinet with dual catch system

Whilst Viamed does not recommend that all cabinets be upgraded to the newer catch, it may be necessary to upgrade the system should the existing catch become worn or damaged.

To replace the older catch with a new style catch, the existing catch first needs to be removed.

The door catch is secured to the fibreboard door using wood screws: remove these screws and the catch. Remove any loose material from the holes.

The clasp part may be fixed to the metal cabinet body using a nut and bolt fixing, which can be unfastened to remove the catch. Alternatively, it may be riveted, in which case the rivets need to be drilled out using a suitable drill bit.

Before removing the catch, first ensure that all internally mounted equipment, bedding and the mattress are removed from the cabinet. It is not necessary to remove the bed or mounting rails.

If drilling, please ensure that all swarf is captured: this can be done by using adhesive tape to secure a plastic bag in place around the upper catch, so that swarf falling both forwards and backwards is collected. Viamed recommends using a hand drill. If using a powered drill, use a very low speed.

Please also note that swarf may also collect on the inside lip of the cabinet and needs to be carefully removed.

Once the rivets have been successfully removed, remove any sharp edges from the holes in the cabinet body with a round file or similar.

To tidy the appearance of the cabinet and reduce any hazard from exposed edges, the supplied labels should be applied centrally, covering the holes in the cabinet body and the holes in the door as per the image below.



To ensure good adhesion, first clean the site with isopropyl alcohol or similar and allow to dry. The labels are semi-rigid to safely cover the holes and manufactured with dome shaped edges to facilitate easy cleaning.

The replacement catches need to be affixed to the cabinet at approximately 100 mm from the edge of the cabinet to the centre of the catch.

Position the upper and lower parts of the catch with the straight edge of the semi-circular sections facing each other, with the edges close to, but not protruding beyond, the edge of the cabinet and door respectively. This will maintain a small gap to ensure that the catches will not snag on each other when the door is opened and closed.

Mark the positions of the centre of the fixing holes for both halves of the catch on the cabinet body and door, ensuring that the top and bottom parts of the catch are aligned.

Prepare the cabinet for drilling as detailed above, to ensure that all swarf is collected.

Drill the holes in the cabinet body using a suitably sized drill bit for the fixing bolts supplied.

Affix the rotating part of the catch using the supplied bolts, ensuring that they are tightened fully.

Mount the semi-circular plate onto the door using woodscrews, being careful not to over-tighten as this may damage the door, a pilot hole will help guide the screws into place.

Repeat the process for the second catch on the opposite side of the cabinet and the result should look as per the image below.



Finished cabinet with new catches

Finally, clean the cabinet, ensuring that no swarf or other waste matter remains: Viamed recommends using an anti-microbial cleaning agent such as TECcare Control.

Replace the equipment, mattress, bedding and any other parts that were removed prior to commencing work.