

## Mechanical checks

### Notes

Locking action is provided by a steel jaw mechanism which closes over the locking arm.

The jaws pivot to allow for some vertical misalignment of door to frame.

On opening the door, the retainer holds the mechanism unlocked to allow for reclosure over the locking arm.

Always use a door closer:

If closer is single speed then set to slow latching force.

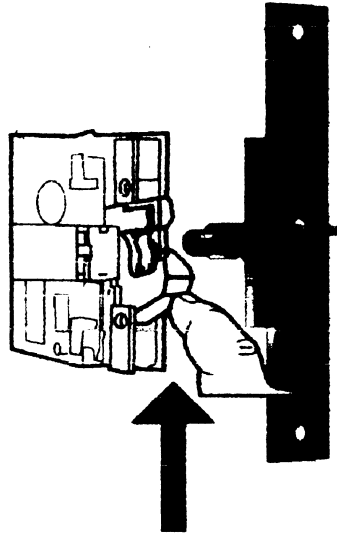
If closer is twin speed, disable the higher latching speed and set closing speed to slow.

Any other latching devices must be disabled or removed.

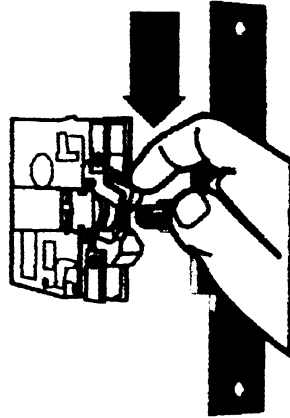
### Checks

With cover removed, perform the following tests after commissioning and with mechanism locked:

- 1 *Check for smooth locking action during opening/closing* by releasing the lock with both key and handle several times. With door open, manually push the jaws out of alignment both up ...

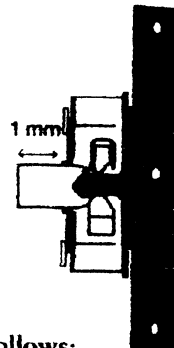


... and down in turn and check automatic re-alignment when door is closed.




- 2 *Check free movement of the bolt when closed* by moving the door backwards and forwards against the mechanism without releasing the lock. Movement between the door stop and the locking arm should be 1 mm minimum. This free play is necessary to cater for door movement and can be adjusted by releasing the striker plate and unscrewing the screw from the striker arm and turning the arm in the appropriate direction. Replace the screw after the correct free play has been achieved and re-secure the striker plate.

Apply side pressure of up to 5 kg to the door and check that the door will still release with the key.



On satisfactory completion of these checks, fit the cover as follows:

- 1 Open the door, lift the handle to its limit and thread cover over the handle, hooking into the rear of the base plate.
- 2 Keep the cover pushed toward door edge, lower into position, hold and secure with two M4 x 8 pan-head screws from inside the overhang at the door edge.
- 3 Ensure that the rim of the cover does not foul the frame or locking arm when the door is closed.
- 4 Check the action of the two control buttons.

 Careful checks must be made to ensure the case does not foul the door frame.