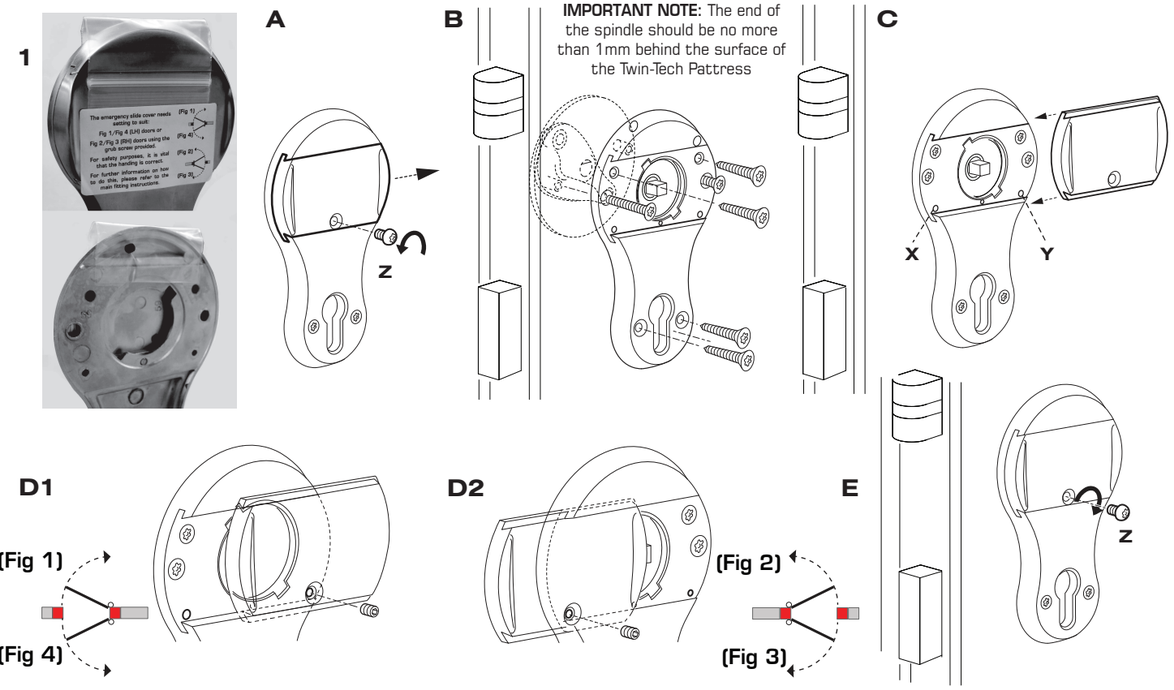
Installing the Twin-Tech pattress and setting the emergency slide cover handing.

1. Carefully remove the handing label and the bag containing the hex grub screw and set aside. Take care not to lose the hex grub screw as this is critical to a successful installation.
2. Remove the M4 x 6mm button head screw marked Z and slide the emergency cover out of the of the pattress as shown at A.
3. Secure the pattress to the door as illustrated at B.
4. With the pattress installed, slide the emergency cover back into the pattress taking note of the two tapped holes marked X and Y as detailed at drawing C.
5. Identify the handing of the door according to the detail shown at D1/D2.
6. For figure 1/4 applications align the centre hole in the emergency slide cover with hole Y.
For figure 2/3 applications align the centre hole in the emergency slide cover with hole X.
7. Using a 2mm allen key, insert the hex grub screw through the centre hole in the slide plate and in to either hole (X or Y) and fully tighten. The top of the grub screw will sit below the surface when tightened. The grub screw limits the movement of the slide plate and prevents it from coming out in use.
8. To complete the installation of the Twin-Tech pattress, secure the slide plate back in position using the M4 x 6mm button head screw marked Z as shown at E. The slide plate must move freely and without the spindle interfering with the movement.



PR3S Secondary Barricade Instructions

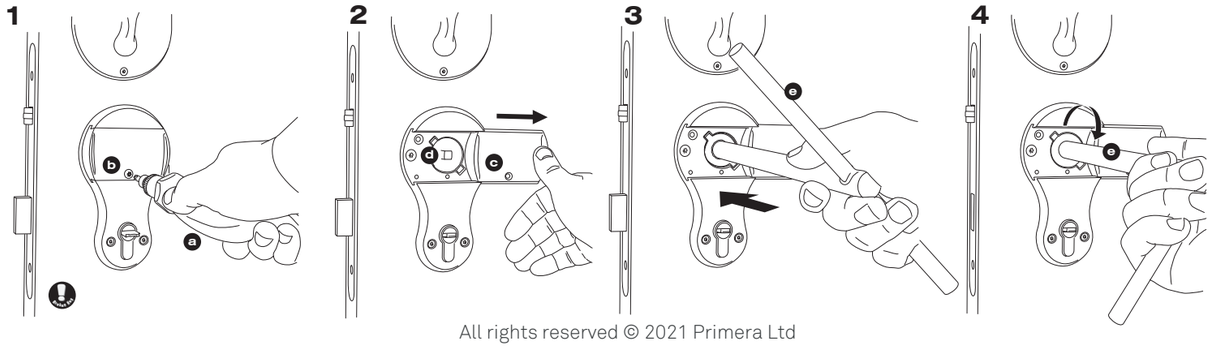
5.1 This lockset is equipped with an important secondary barricade override mechanism the installation of which is vital to the safety features of this product. Carefully review diagrams 1-4 below.

5.2 To install this product correctly the spindle must be accessible when the access slider (b) is opened by removing the button head anti-tamper screw (See diagrams 1 & 2)

5.3 Using the centre of the spindle as a datum (and preferable using a Forstner bit) cut a 45mm dia. hole to create access for the T-Bar Emergency Tool.

5.4 It is essential to ensure that the T-Bar Spindle Key will fit properly to operate the lock in an emergency. This should be verified at the point of installation using the tools illustrated below.
UNDER NO CIRCUMSTANCES SHOULD THIS PRODUCT BE FITTED WITHOUT ACCESS TO THESE TOOLS.

5.5 Please refer back to page 2 section 6 to complete this installation.



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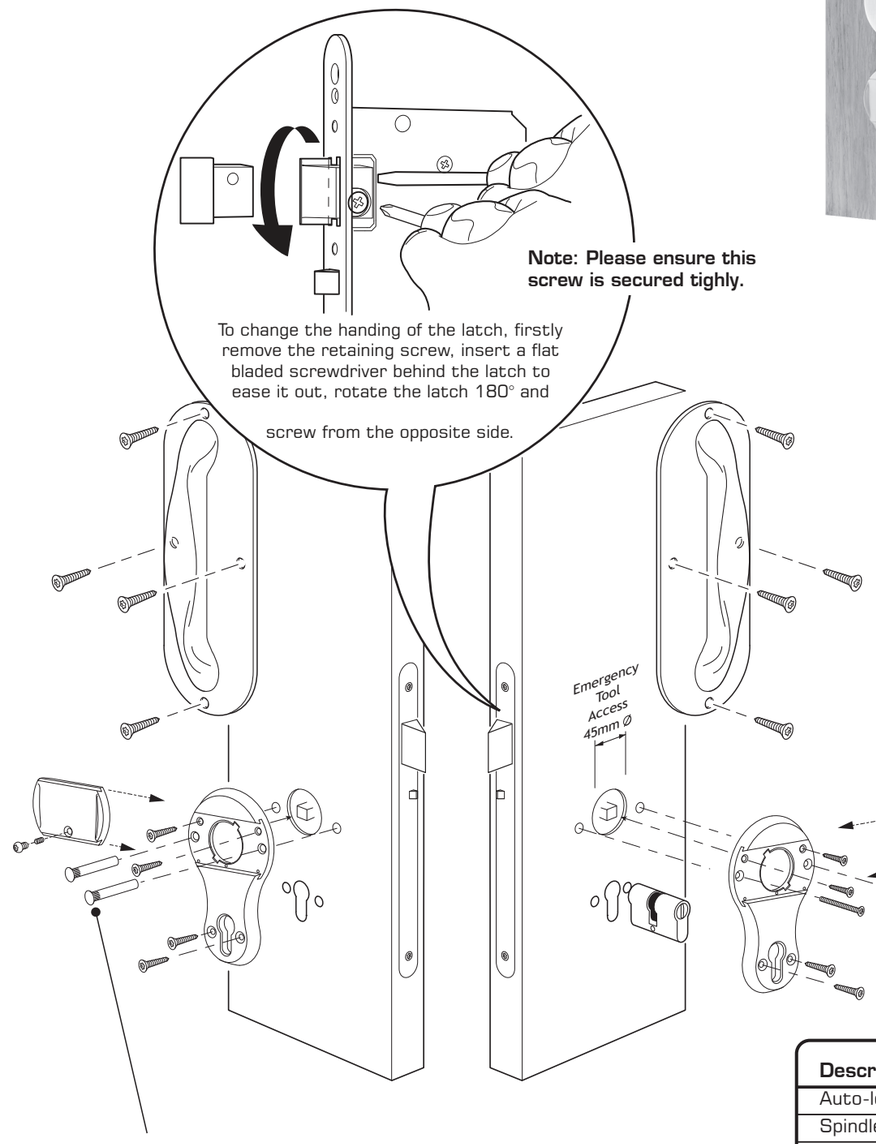
3S-86-729A (TWIN-TECH)

Automatic Lockset Key/Key

SOP114 Revision (2)



Note: When fitting the knurled nuts, it is necessary to tap it into it's final seated position

Description
Auto-locking Nightlatch 103x235
Spindle Universal 44mm-63mm
729 Pull Handle & Backplate X 2
Twin-Tech Escutcheon plate assembly X 2
Fixings Supplied
Note: Unless ordered separately the cylinder is not included in this kit.

Important Note: products are protected by Intellectual Property Rights including UK and Community Unregistered Design Rights, UK and Community Registered Designs and UK Patents and Patent Applications. For further details please contact Safehinge Primera Limited.

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Fitting Guide

Primera anti-ligature locksets are not a DIY product. Installation should be carried out by a qualified trades person suitably equipped to facilitate a professional installation. These guidelines assume that the installer is familiar with the general principles of lock installation and as such, serve only to provide additional guidance on some of the more specific issues relating to the installation of Primera anti-ligature lock sets.

1) Decide the optimum position for the lock on the door. Then mark out and prepare a mortise hole 18W x 110D x 175H (mm). The hole must be vertical and central to the core of the door and there must be sufficient clearance for the lock to centrally align in the mortise pocket. Adjust accordingly for doors with a leading edge. Ensure that the mortise is free from all debris.

Fig. 1

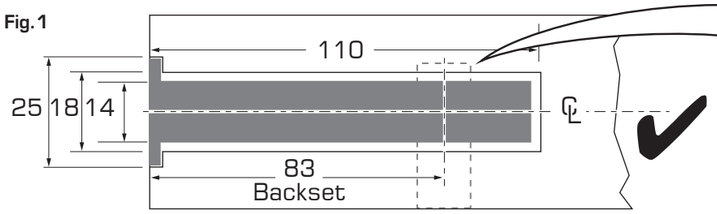
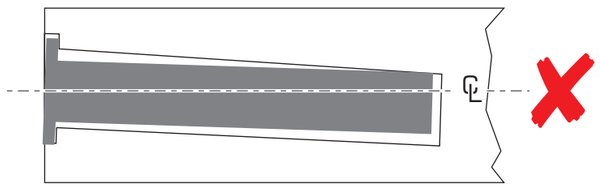
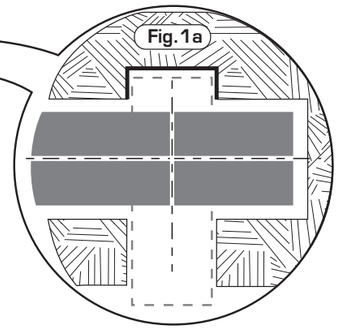


Fig. 2





Clearance required for back of cylinder on locksets. (46, 56, 66, 76)

2) Carefully review the exploded view on page 1. For models 76, 86 & 96 please go straight to section 4.

3) For models 46, 56 & 66 (where Turn/Pull PR4-728-TP is supplied) using the template provided, mark the 5 internal and 3 external reference points and drill the door to the size detailed. Care should be taken to ensure accuracy and that the holes are in horizontal alignment. Place the lock back in the mortise to check alignment and adjust if required.

4) Continuing with the template, mark out and neatly drill for the installation of the locking cylinder ensuring that the hole is in horizontal alignment. Do not remove more material than is absolutely necessary. Please ensure sufficient clearance for the back of the single Euro cylinder on models 46, 56, 66 & 76 as shown in figure 1A.

5) Models 86 & 96 require a through hole for the key-key cylinder. Locks with a PR2, PR3 & PR3S prefix are supplied with an important Secondary Barricade Override safety feature. They must be configured to ensure nursing staff can gain access to the spindle concealed under the external escutcheon plate. This is achieved by removal of the anti-tamper screw(s) and moving the slider on the escutcheon plate to access the spindle. Please refer to page 4 for specific information on the installation of this model.

6) After following the specific door preparation guidelines for this model detailed overleaf, please install the remainder of the ironmongery according to the exploded view and, where Turn/Pull PR4-728-TP is supplied, in the following order:

A) With the lock inserted (not screwed) in to the mortise hole, offer the round Turn/Pull and 8mm spindle on to the door. The spindle should go in to the lock follower and allow the Turn to sit flat against the surface of the door **without force.** If the Turn does not sit freely against the surface of the door then the lock is out of alignment in the mortise which should be adjusted accordingly. **Important:** If force is used to pull the Turn/Pull back to the door this will lead to binding, difficult operation and possibly premature failure.

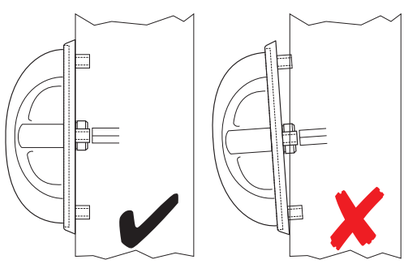


Fig. 4 Fig. 5

B) Cut the 2 x M5 Torx Pin machine Screws to the correct length to ensure sufficient penetration in to the Turn/Pull screw ports. If the screws are cut too long the Turn/Pull will not pull firmly back against the surface of the door resulting in a ligature risk! Secure the Turn/Pull on to the door fastening the screws through the Twin-Tech escutcheon assembly.

Take care not to over-tighten the fixing screws!

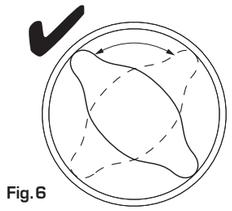


Fig. 6

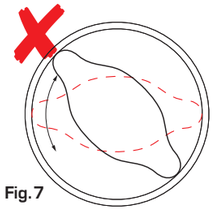


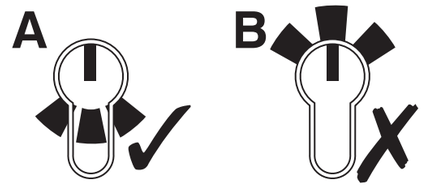
Fig. 7

IMPORTANT: When installed correctly the Turn/Pull should not pass through the horizontal position.

C) Install the locking cylinder using the screw provided again ensuring horizontal alignment. Do not over tighten the cylinder retaining screw as this will restrict the movement of the key and, in extreme cases can cause the cylinder to collapse. We recommend that final adjustment is undertaken by hand. Check that the key turns freely and will throw and withdraw the lock bolt. **Important:** With the Turn/Pull held rigid the key should withdraw the bolt.

WARNING: This lock should only be used with cylinders where the cam comes to rest as shown at Fig 'A' when the key is removed.

If using multi-positioned cam cylinders it is essential that the cam is positioned accordingly. Without this the emergency override feature may not work which could cause damage to the lock.



Position of the cam when key removed.

D) Secure the lock in the mortise hole with the anti-tamper screws provided and attach face-plate. Reconfirm that the Turn/Pull and key still operate the lock freely.

E) According to the exploded view, align all remaining fittings and fasten to door using the anti-tamper screws provided. All plates should be secured flat to the surface of the door to prevent ligature risk! Shorter 5/8ths screws are provided in the fixing pack for circumstances where the 1" screws clash with the lockcase.

F) Finally, mark out and install the strike plate. To adjust the roller catch please refer to magnified view on page 1. With the door in the closed position, operate the lock to ensure that the bolt travels freely between the locked and unlocked positions.

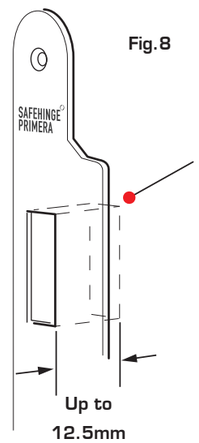


Fig. 8

IMPORTANT: When fitting strike plates to suit locksets incorporating Primera's PR-6103 & PR-6104 night-latch (applications 66 & 86) it is important to ensure that the latch-bolt can fully extend in to the strike plate when the door is closed. This is to ensure that the dead-locking function works correctly and prevents the latch from being manipulated which is especially important on outward opening doors. Depending on the gap between the door and the frame, the latch-bolt recess behind the strike plate may need to be cut as deep as 12.5mm to facilitate this. (see fig. 8)

IMPORTANT: If the strike plate included in this kit does not carry the SAFEHINGE PRIMERA logo it is not a genuine part. Fitting an unbranded strike plate will invalidate the warranty of the lock. In such circumstances please refer to your supplier.

For further guidance please contact our Technical Help Line on:

0044 (0) 1253 508643