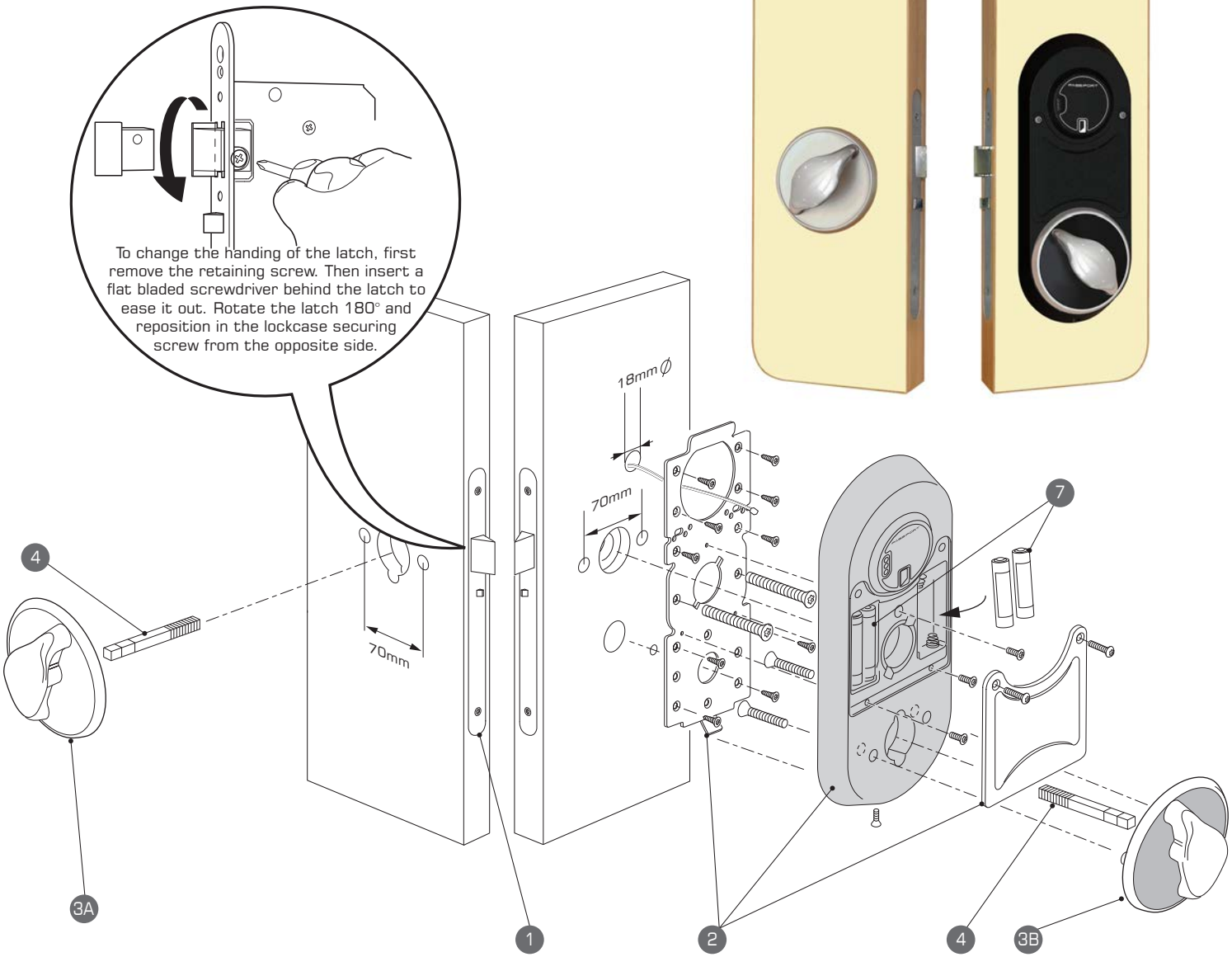
SAFEHINGE PRIMERA

SOP091 Revision (1)

PASSPORT v2

Anti-ligature Access Control System with Secondary Override



PASSPORT Fitting Kit Contents

Item		Qty	Components
1	Solenoid Lockcase Complete:	1	Lock, Faceplate, Strike-plate & Anti-tamper fixings.
2	Pattress Assembly (including fixings)	1	Including PCB, Battery Access Plate, Pattress Mounting Plate
		2	M4 button head anti-tamper machine screw 6mm
		1	M4 button head anti-tamper machine screw 12mm
		3	M4 c/sunk head anti-tamper machine screw 10mm
3A	Turn/Pull SSS	1	
3B	Turn/Pull Dual Finish	1	
4	Safety Spindle C/W O-ring	2	
5	Installation Fixings		Including;
		2	M5 c/sunk anti-tamper machine screw 80mm
		2	M5 c/sunk anti-tamper machine screw12mm
		10	5/8 6's c/sunk pozidrive wood screws
6	Fitting Template	1	Of each hand
7	AA 1.5v Batteries	4	

Optional Extra			
	Internal Repair Plate SSS (see page 6 for size options)	1	For retro fit applications only (not included in standard kit).

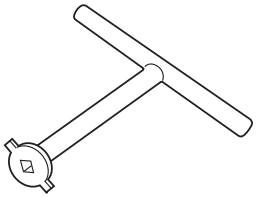
Essential Tools

a) Heavy Duty Drill (Mains)
b) Cordless Screwdriver, with torque setting **(Not Impact Driver)**
c) Router
d) 13mm Flat (or Forstner) Bit
e) 18mm Flat (or Forstner) Bit
f) 22mm Flat (or Forstner) Bit
g) 32mm Flat (or Forstner) Bit
h) 45mm Flat (or Forstner) Bit
i) T20 Pin Torx Bit
j) T25 Pin Torx Bit
k) Pozidrive Bit
l) Tape Measure
m) Pencil
n) Slotted Screwdriver
o) Hacksaw
p) File
q) Bradall
r) Masking Tape

Recommended Equipment

s) Trend Large Lock Jig (PR-9-LJIG)
t) 235mm Jig Template (PR-9-JTEMP-235)
u) 13mm Router Bit (Straight Cutter)

Emergency Override Tool Kit (PR-7246-ABK-COM)



Do not attempt installation of this product without access to the Primera emergency override tool shown above (not included)

PASSPORT FITTING GUIDE

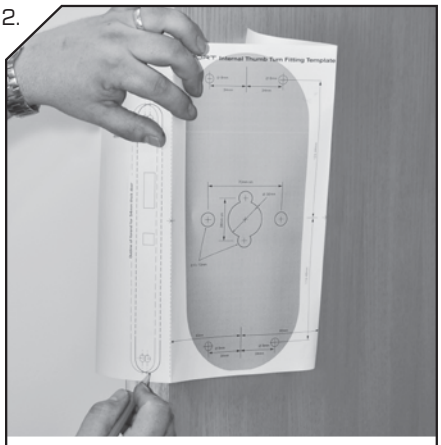
Primera anti-ligature locksets are not a DIY product. Installation should be carried out by a qualified trade-person suitably equipped to facilitate a professional installation. These guidelines assume that the installer is familiar with the general principles of lock installation and as such, serve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

Only use the anti-tamper screws provided. We strongly recommend that impact drivers are not used to install this product.

1.

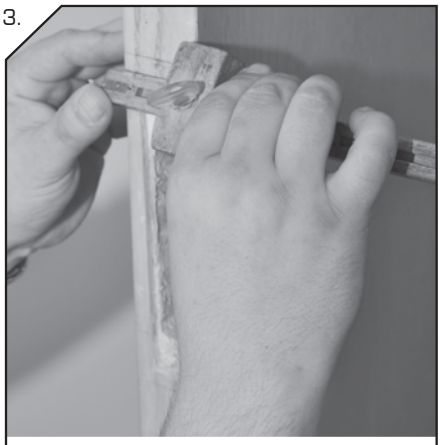
If retro-fitting to an existing door, carefully remove any previously installed hardware fittings. If not go straight to step 2.

2.



Using the paper template carefully plan the installation on the door ensuring (where possible) that all previous door preparation will be fully covered. This can be seen using the shaded area of the template.

3.



When the position of the lock is decided, mark out the mortise on the edge of the door as detailed more specifically at step 4.

4.

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 (Fig 1 & 2). Adjust accordingly for doors with a leading edge. **Note:** Ensure that the mortise is free from all debris.

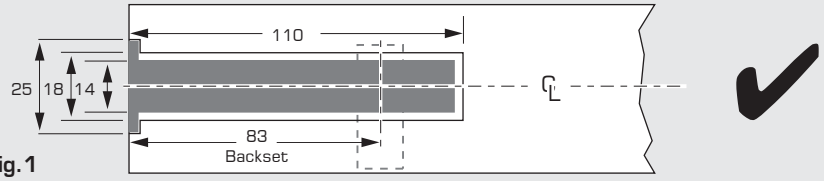


Fig. 1

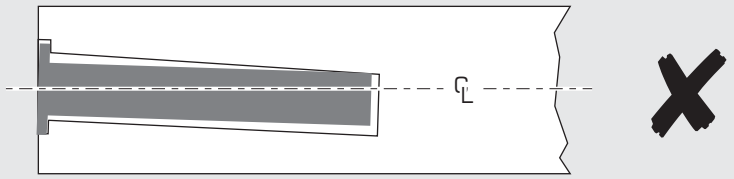
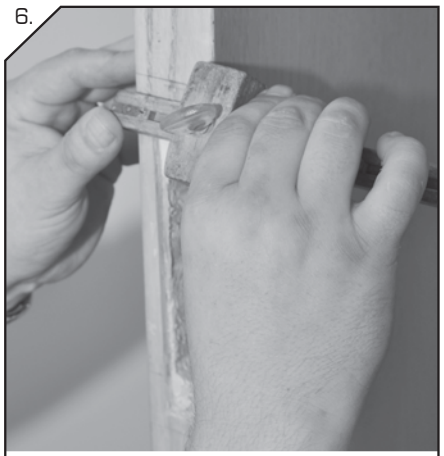


Fig. 2

5.

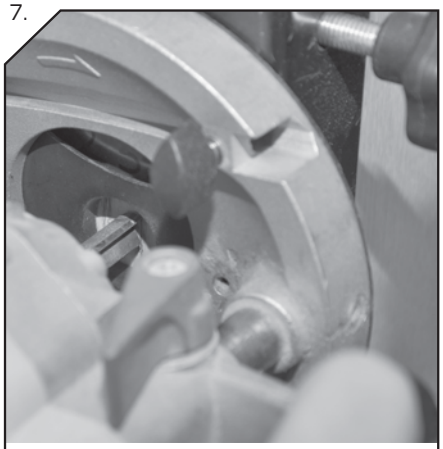
Taking care not to damage the cable, carefully insert the solenoid lockcase into the mortise and mark the faceplate position.

6.



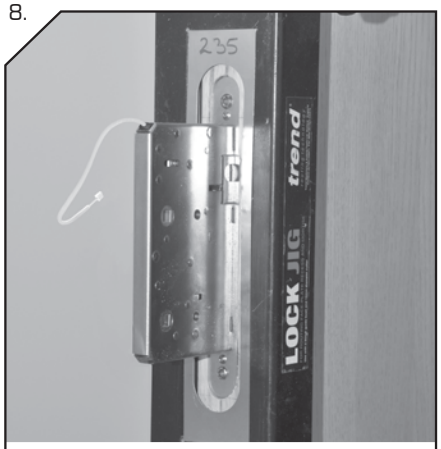
If using a router jig, mark a centre line on the door for alignment purposes and proceed to step 7. If not, recess the faceplate in to the edge of the door ensuring that the faceplate sits flush with the door. Proceed to step 8.

7.



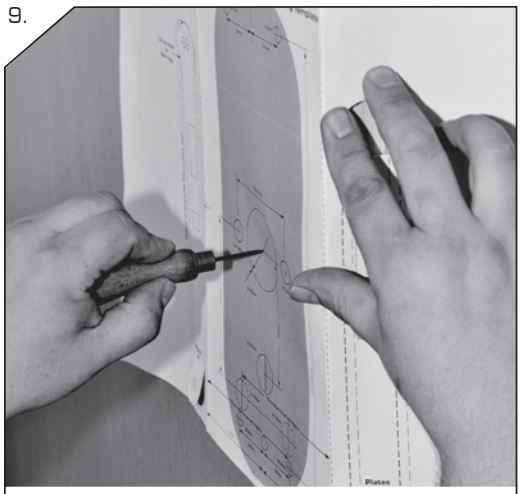
Using the Primera 235mm template (PR-9-JTEMP-235), router out for the lockcase forend. As a guide the faceplate should be recessed flush into the edge of the door. Adjust accordingly for doors with a radius forend or leading edge.

8.



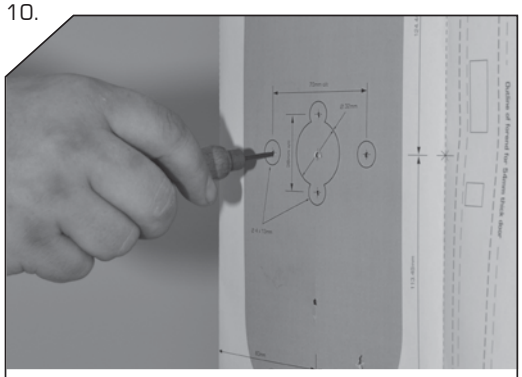
Before removing the jig offer the front of the lock in to the recess to check accuracy of faceplate depth and adjust if necessary.

9.



Using the lock faceplate recess as the datum, align the external template on the outside surface of the door and accurately tape in position. Use a bradall to carefully mark the 5 drilling positions: Turn/Pull fixings A1, (x2), Secondary Override Aperture B1 (x1), Lower Spindle Hole C (x1), Lock Cable Hole D (x1), The size of each hole is clearly marked on the template. Do not begin drilling yet! **Important Note:** When retrofitting to an existing door we recommend the use of internal repair plate PR-6961-RP. Only when using this plate should you mark the drilling positions F1 (x4).

10.



Again, using the lock faceplate recess as the datum, align the internal template on the inside surface of the door and accurately tape into position. Using a bradall, carefully mark the 5 drilling positions.

Note: Some of these are not identical to the holes on the external surface of the door: Turn/Pull fixings A2 (x2), Turn/Pull Spindle Hole B2 (x1), Screw Port Holes E (x2). The size of each hole is clearly marked on the template. **Important Note:** When retrofitting to an existing door we recommend the use of internal repair plate PR-6961-RP. Only when using this plate should you mark the drilling positions F1 (x4). Now, remove the template and, ensuring the drill is in horizontal alignment. carefully drill the holes on both sides of the door.

11.

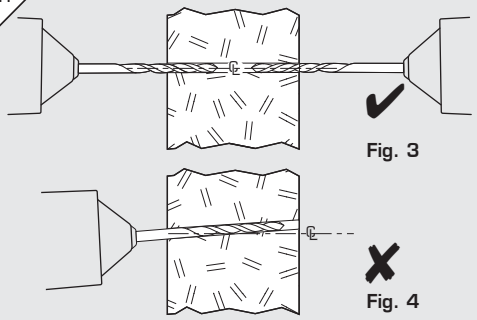


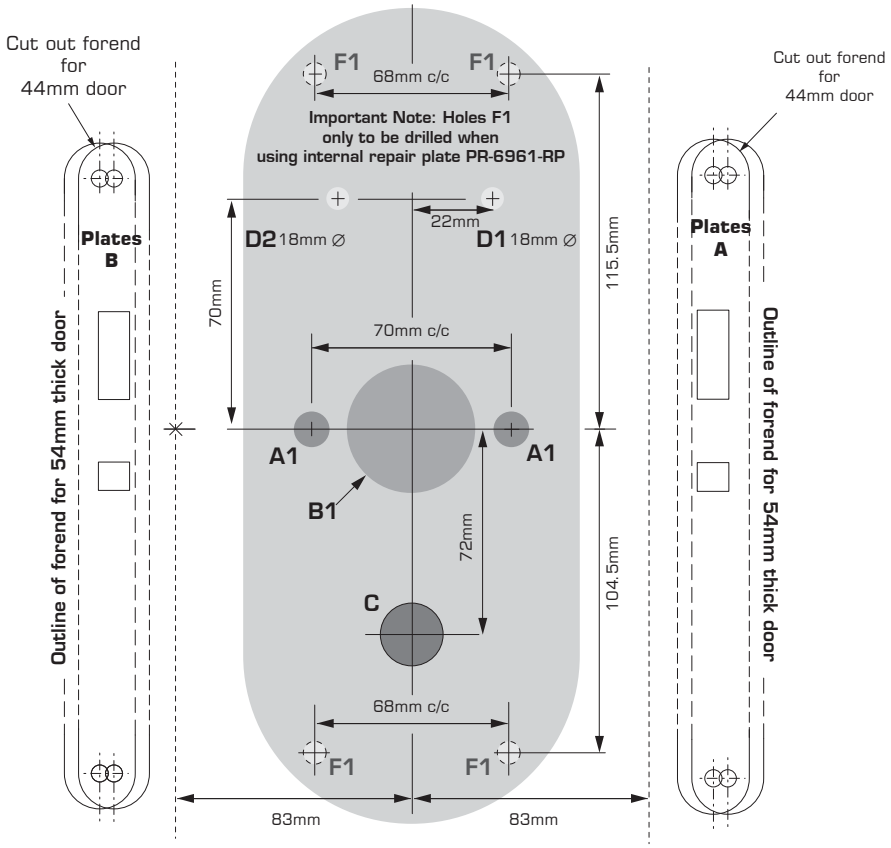
Fig. 3

Fig. 4

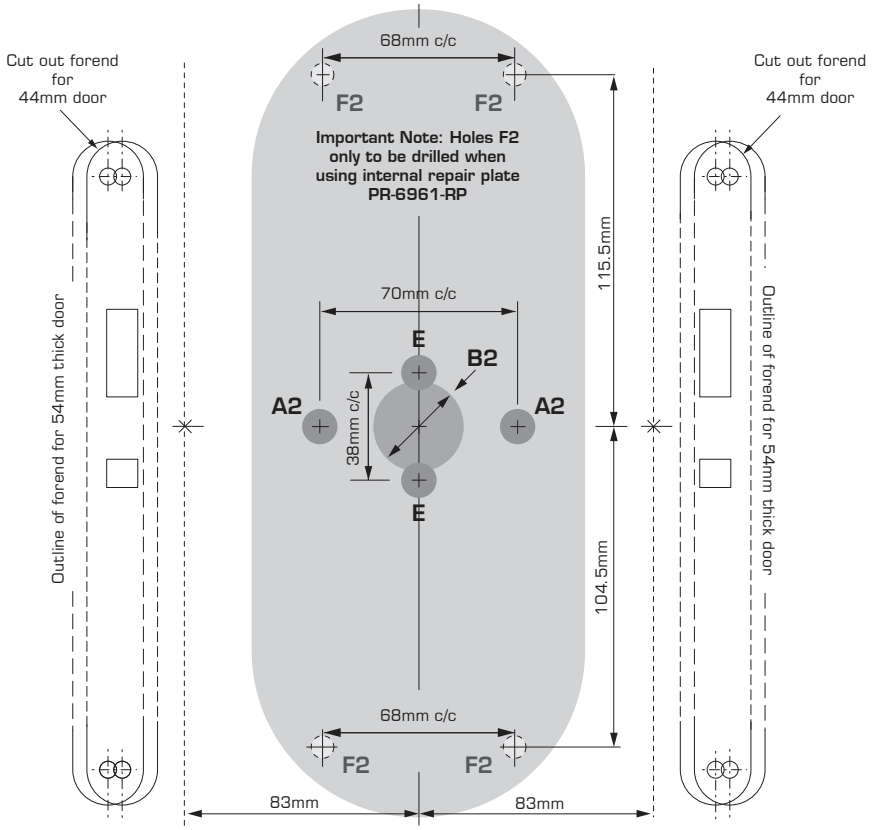
TIP

1. To prevent misalignment drill all holes (interior & exterior) working from both sides of the door as illustrated (See Fig 3) This reduces the potential for 'drill-wander' (See Fig 4)
2. Recommended Drilling Sequence: A1, A2, B1, B2, E, C, C2, D.

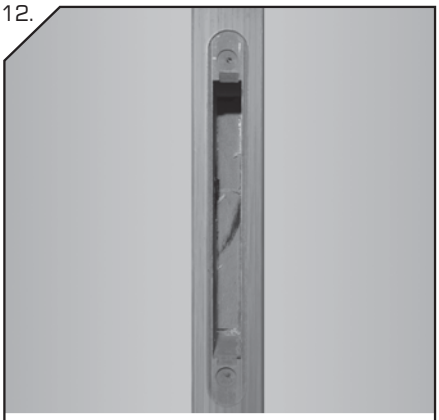
PASSPORT External Surface Preparation



PASSPORT Internal Surface Preparation

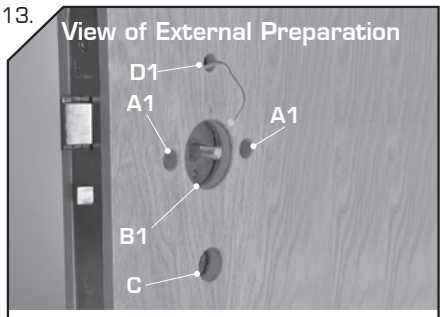


12.



Important Note: Ensure all debris is removed and that the mortise pocket is free from loose chippings & dust.

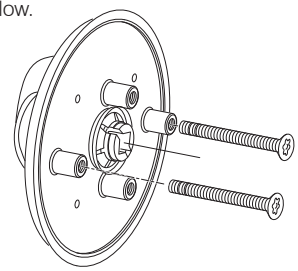
13.



Carefully feed the lock cable through hole D1 or D2 for opposite hand and push fit the lock-case into position taking care not to damage the cable (do not fasten the lock in place yet). Check the alignment of holes A1, A2, B1 & C and adjust accordingly. To avoid binding, the holes must be perfectly aligned with the lock follower and the bolt through fixing holes.

14.

The kit is supplied with 2 x 80mm M5 c/s bolt thru fixings to fastnen the internal Turn/Pull later. These will most likely require cutting to length according to the table below.

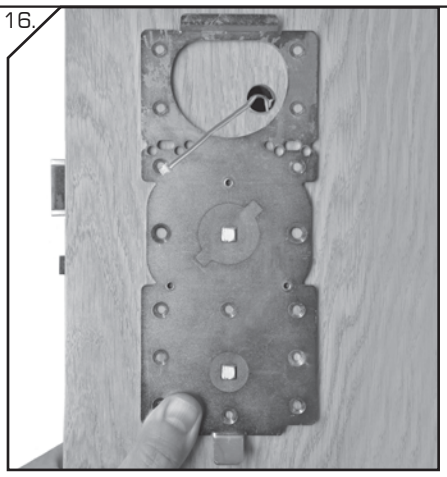


Door Thickness	Screw Length
44mm Door	56mm
54mm Door	66mm
62mm Door	74mm

15.

Push the Safety Spindle (5) in to Stainless Steel Turn/Pull (3A). Then, offer the Turn/Pull and spindle assembly on to the door and push the spindle through the upper follower in the lock case to loosely hold in place.
Temporarily insert the external Turn/Pull spindle into the lower follower to assit with the

16.



alignment off the PASSPORT mounting plate. Offer the PASSPORT mounting plate on to the external surface of the door.
Important Note: It is essential that the reference holes in the mounting plate are perfectly aligned with the bolt through holes in the lock and that the edge of the mounting

17.

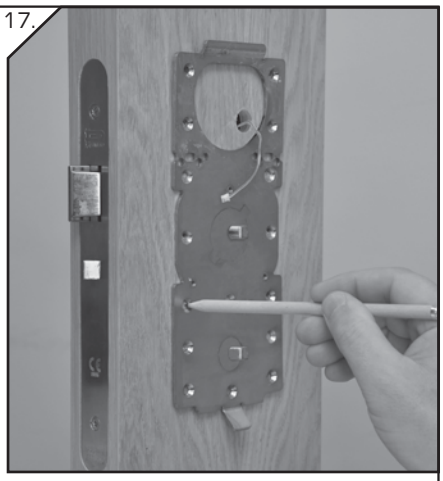
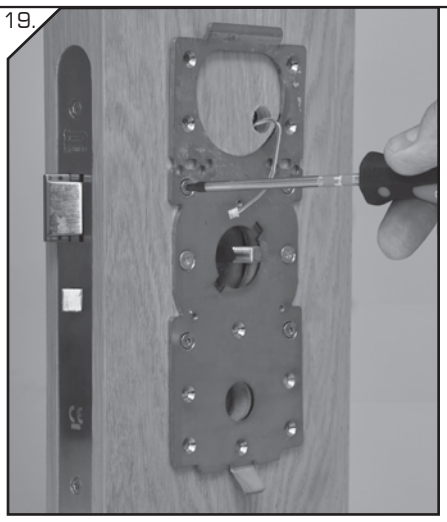


plate is parallel with the edge of the door. Please take time to ensure this is accurate. If not the lockset will not function properly. Mark the remaining fixing hloes. Remove the mounting plate and press out the aperture blanks.

18.

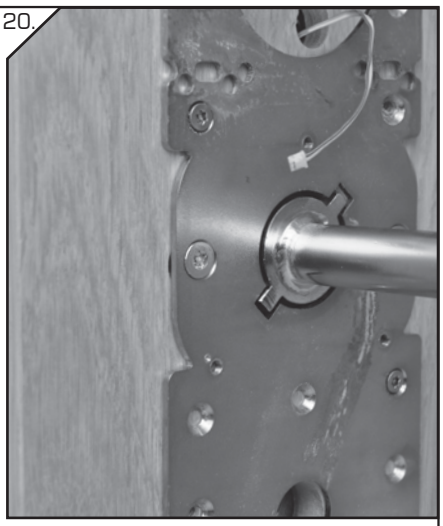
Re-fit the PASSPORT mounting plate push the 2 M5 Turn/Pull fixings through holes A1. Using the bolt through fixings, locate the screw ports on the back of the internal Turn/Pull and, taking care not to cross thread the screws, nip the screws up to hold the plate in position.

19.



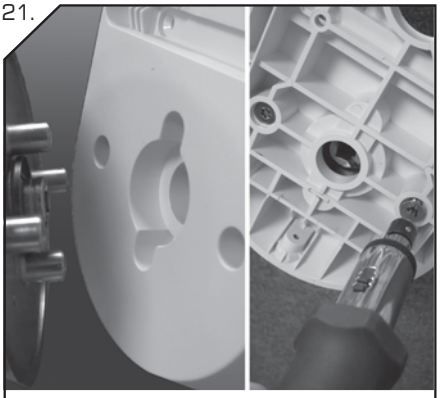
Check the function of the internal Turn/Pull. It should operate freely, without any binding and should fully return to the zero position each and every time it is operated. Then, test the lock again on the outside using the Emergency Override Tool Kit (PR-7246-ABK-COM) as

20.



shown at 20 above. When everything is in perfect alignment tighten the M5 fixing screws to firmly secure the plate into position. Finally, use the 10 x No 6 x 5/8th screws to complete the installation of the mounting plate.

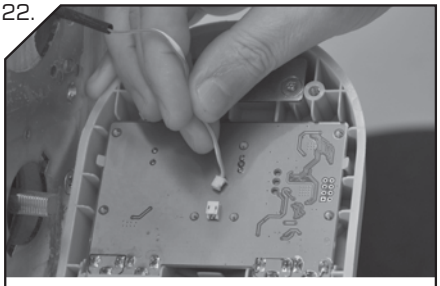
21.



Fit the external dual finish Turn/Pull (3B) onto the pattress using the 2 x 12mm M5 c/s machine screws provided. Now cut the external Turn/Pull spindle using the table below as a guide. Prior to installation remove the burrs with a file.

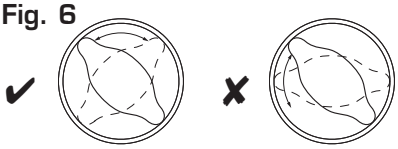
Door Thickness	Standard Spindle Length
44mm Door	55
54mm Door	60
62mm Door	64

22.

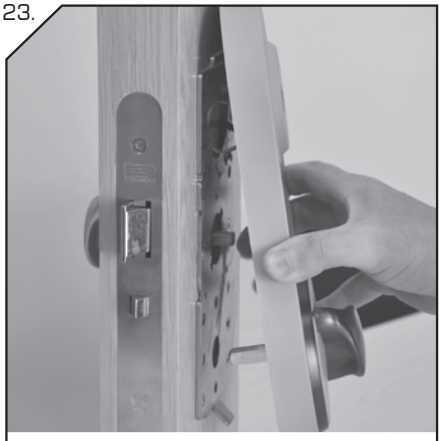


Now, insert the pre-cut spindle referred to at 21 in to the nozzle on the back of the Turn/Pull making sure the Turn/Pull is correctly aligned as shown at Fig 6. **Note:** The Turn should never pass through the horizontal position. Then, carefully insert the small white plug on the solenoid cable in to the corresponding white socket on the back of the green PCB as illustrated above taking note that the red wire must be positioned to the right side of the socket.

Fig. 6

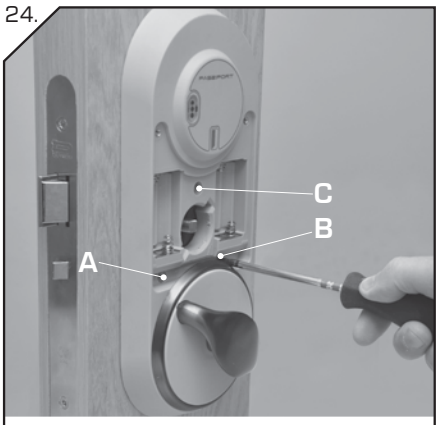


23.



With the Turn/Pull in the correct orientation, carefully hook the Pattress assembly to the mounting plate as shown in the image above. Then, taking care not to crush the cable, carefully manoeuvre the pattress over the mounting plate using the 3 screw holes (as shown at 24) to visually align the assembly. Do not force! If the pattress doesn't immediately drop in to position it may require a slight downwards tap with the hand to locate the pattress properly over the plate.

24.

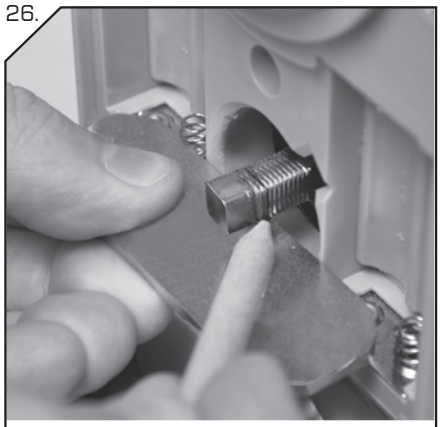


When the Pattress is sat fully over the mounting plate secure in position using the 3 x M4 x 10mm CS machine screws provided at points A,B & C as illustrated above

25.

Then secure the bottom of the pattress back to the surface of the door using the M4 x 12mm button head machine screw as illustrated.

26.

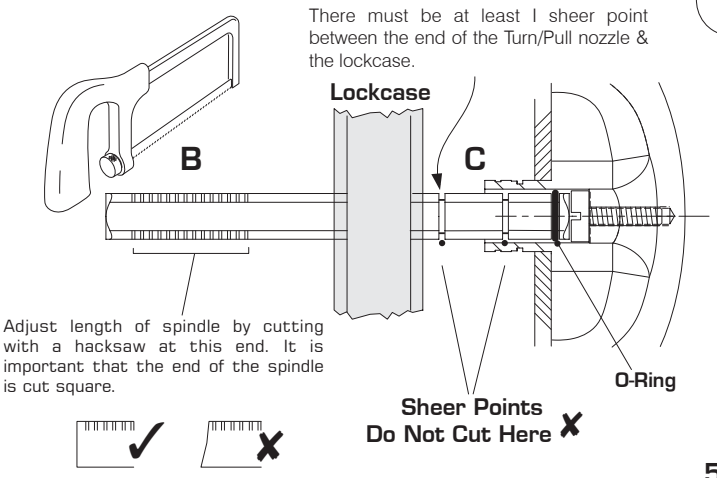


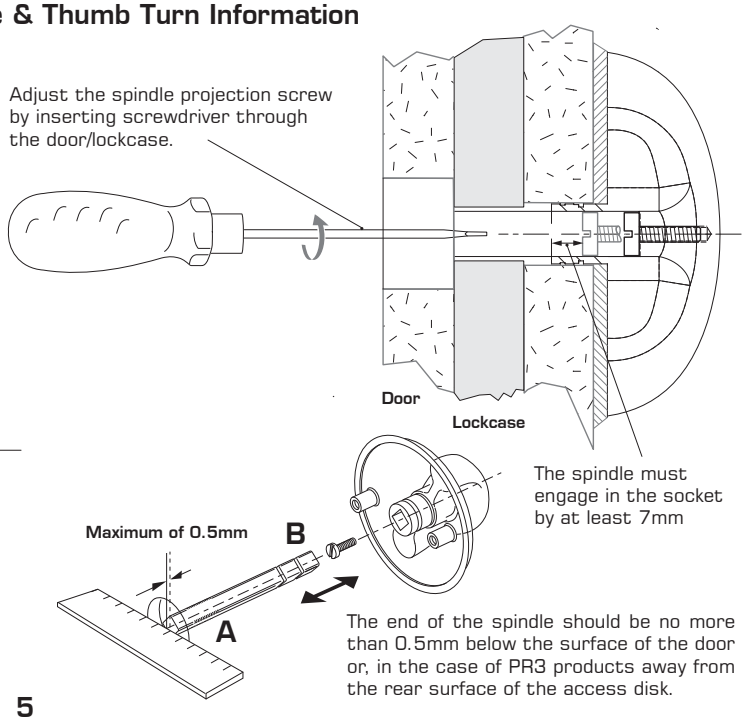
Finally, the spindle on the internal Turn/Pull should end 2-3mm behind the face of the pattress - Please see the illustration at Fig 7 below for adjustments.

Fig 7. Important Spindle & Thumb Turn Information

This Turn/Pull is equipped with a screw to adjust the projection of the spindle if required (most likely if the spindle is cut too short in error).

When cutting the spindle to the required length please make sure that the material is cut from the end marked 'A' as illustrated. The 2 slots at the opposite end of the spindle are an important safety feature and designed to sheer at 50NM to protect the lock and ensure clinical staff maintain control of the lock at all times.

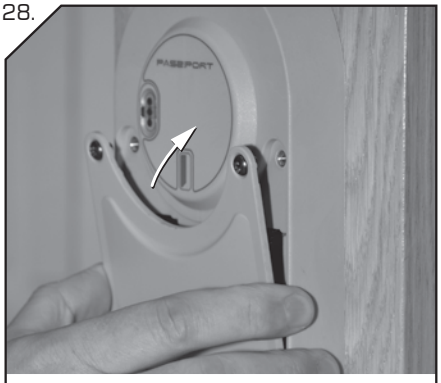




27.

Insert the four AA 1.5v batteries into the battery carriers ensuring correct polarity. A red LED will illuminate.

28.

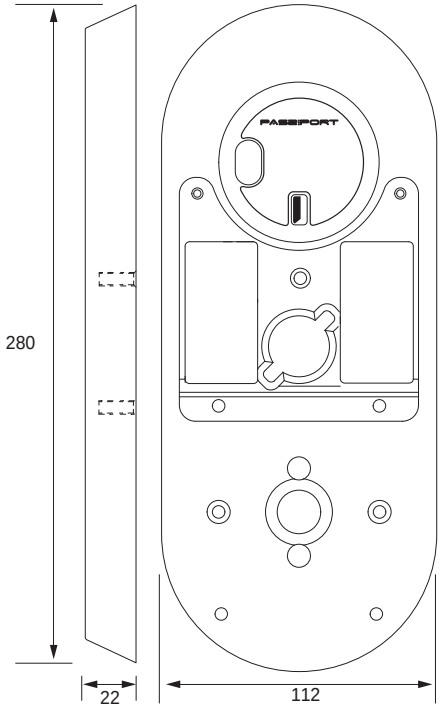


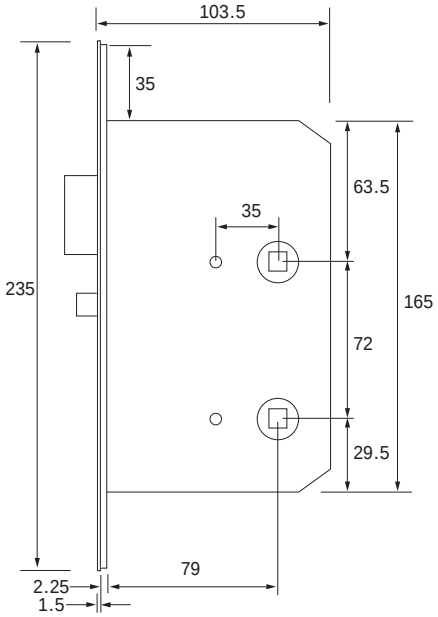
Slide the external Access Plate behind the external Turn/Pull and carefully tilt into position securing with the 2 x M4 x 6mm button head machine screws.

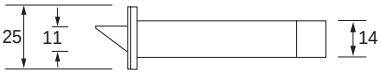
29.

The PASSPORT locking system is now ready for programming. Please refer to instructions on page 7 & 8.

NOTE: It is advisable to remove the batteries if the product is likely to be idle for a prolonged period.



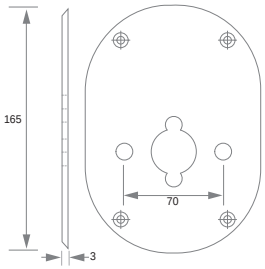




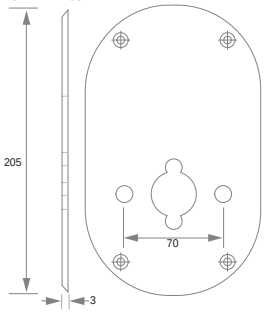
Solenoid Lock Case

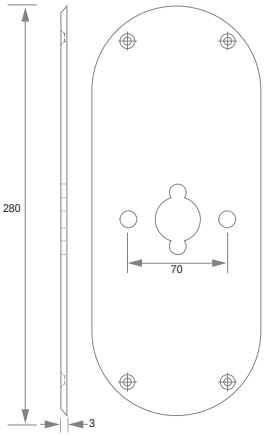
Internal repair plates are optional for retrofit applications only
(not included in standard kit)

PR-5-B411701
107mm x 165mm

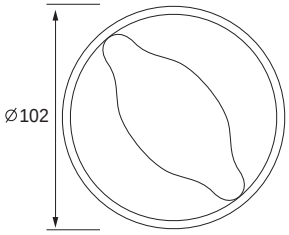


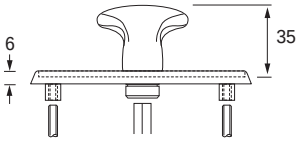
PR-5-B411703
107mm x 205mm





PR-5-B500835
112mm x 280mm





PR4-728TP
Anti-ligature Thumb Turn/Pull