INSTALLING THE LOCKING DOOR

1. Lift the locking door (3) into position and lower it onto the hinge pins. Check that the door closes squarely to the frame and that the lock operates correctly. Do not force the doors to close together, but carefully carefully adjust the hinges as in Step 10.

2. When the door has been correctly adjusted, drill a short line on the outside face of the door level and make the relevant adjustment with the 5mm or 6mm Allen keys. Replace the plugs when satisfied with the adjustment.

3. The lock keep is temporarily screwed in place. With a pencil, draw a short line on the inside face of the door level with the groove in the centre of the door lock. Close the locking door and centre the pencil line onto the mullion on the slave door. Align the groove on the lock keep with the pencil line and tighten the fixing screws. Drill through the remaining holes in the lock keep into the mullion and fit the remaining 4.3 x 30mm screws (D) through the lock keep.

4. Test the door lock for correct operation. If necessary, the lock keep can be adjusted by disassembling the screws and gently moving it up or down until the lock operates correctly. Re-tighten the screws.

5. Test the lock operation while the door is open.

6. Minor misalignment of the doors can be rectified by adjusting the hinges.

7. If the doors do not line up squarely with each other, the lock will not operate correctly.

8. Access to the hinge adjusters is gained by removing the plugs and making the relevant adjustment with the 5mm or 6mm Allen keys. Replace the plugs when satisfied with the adjustment.

9. If fitting an arched door, please ensure that the aperture is built to the correct dimensions (see inside) by a qualified builder. Please refer to local building regulations to check that the intended installation complies with requirements.

10. It is recommended that the door furniture is fitted before lifting the locking door (3) into position.

11. Insert the key in the lock cylinder (13) and turn it so that the lever lines up with the barrel, then locate through lock aperture in the door frame. Fix in place with M5 x 35mm countersunk head screw (A) provided.

12. Insert the square profile lock operating bar (11) into the upper square hole in the lock.

13. Fixing the handles (10, 12) onto the door frame and secure to the door with the screws (B) provided.

14. Position the handles (10, 12) onto the door frame and push the handle downwards to disengage the dead bolts.

15. To unlock the door from the inside, turn the key away from the barrel, draw a short line on the outside face of the door level and make the relevant adjustment with the 5mm or 6mm Allen keys. The roller guide plates and latch plate may need adjusting to suit adjusting the hinges.

16. It is recommended that the door furniture is fitted before lifting the locking door (3) into position.
**Before fitting the vented head (1), position the outer vent cover to the outside of the head over the pre-drilled slots and fix with the smaller self-tapping screws **(I).

Apply a bead of a suitable grade of silicone sealant along the inner raised edges on the top rail of the frame and position the head onto the frame. Measure a distance of approximately 50mm from each end of the head and mark with a pencil. Drill through the head and the frame with a 3.2mm drill at the marked positions and fit with the four 4.3 x 40mm screws **(E)** supplied.

**Before fitting the vented head (1), position the outer vent cover to the outside of the head over the pre-drilled slots and fix with the smaller self-tapping screws **(I).

Cut brickwork with a 230mm diameter angle grinder **(including head and sill)**.

**Before commencing any work, carefully check all parts to ensure they are complete and free from marks or scratches on all finished surfaces.**

**IF IN DOUBT, SEEK EXPERT ADVICE.**

All nominal dimensions are in mm.

**PREPARING THE OPENING**

It is important that a suitable lintel is fitted above opening.

Cut brickwork with a 230mm diameter angle grinder **(including head and sill)**.

Alternative brick aperture sizes for the French Door are shown.

**NOTE:** The height of a vented head **(1)** is 440mm.

**ASSEMBLING THE PVCu FRAME**

The doors always open outwards. Two people may be required to lift the frame into place.

Lay out the frame, all vented head **(1)** and doors **(3, 4)** on an area of flat ground with a soft surface or on a dust sheet to avoid damage to the components, ensuring that the hinge pins on the frame point upwards, away from the sill.

 Fix a damp proof membrane along the bottom of the aperture.

**Tools Required**

- Allen keys
- Ø 3.2mm Steel Bit
- Ø No.10 Masonry Bit
- Wall plug
- Silicone sealant

**Installing the PVCu Frame**

Push the frame firmly into the aperture.

The majority of operating problems occur because the frame is not plumb and square. Check by using a spirit level and try measuring the diagonals.

On the left and right jambs of the frame, measure approximately 150mm downwards from the top and approximately 150mm upwards from the bottom of the frame and mark with a pencil. Mark two further points, equally spaced between the top and bottom ones, on each jamb.

Drill the frame at these marks with a steel bit **(to suit the fixings being used to fit the frame to the wall)**, then drill into the wall with a suitable masonry drill bit.

Insert the required fasteners **(K)** between frame and wall.

Fit the frame using suitable fixings **(not supplied)**, applicable to the type of wall construction, applying a bead of silicone under each screw head before tightening.

It is recommended that the frame is also secured to the brickwork through the head and sill to prevent any movement when the door is used. Two equally spaced holes should be drilled either side of the thumb lock to stop the head from moving. Appy a bead of silicone under each screw head before tightening. When tightened, cover each screw head with silicone sealant to prevent water ingress.

**Installing the Sliding Door**

Lift the sliding door (6) into position and lower it onto the hinge rail. Check that the door moves square to the frame and that the thumb locks on the mid rail engage in the plates at the top and bottom of the frame.

Adjust the hinges to ensure that the door is level with the outer frame when closed and that it operates correctly (see stage 10).