

# CB RPCP CHUBB 110 + DECODER & RPCP PRE-LIFTER

COMPLETE USER MANUAL

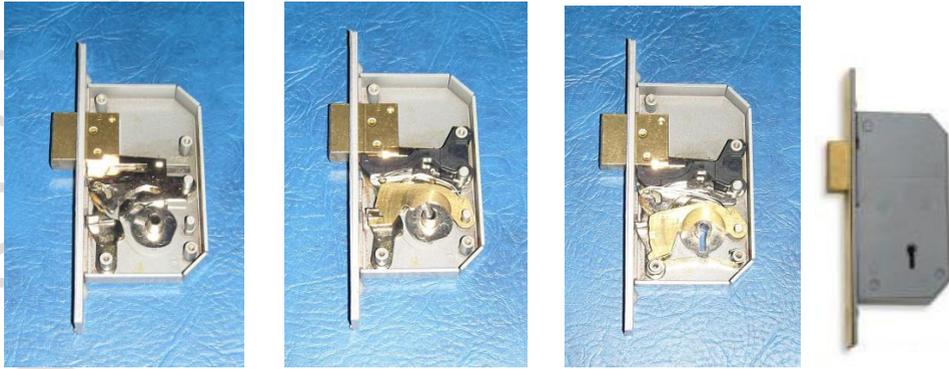
By Chris Belcher



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# CB RPCP CHUBB 110 + DECODER & RPCP PRE-LIFTER

# RPCP Chubb 110 User Notes



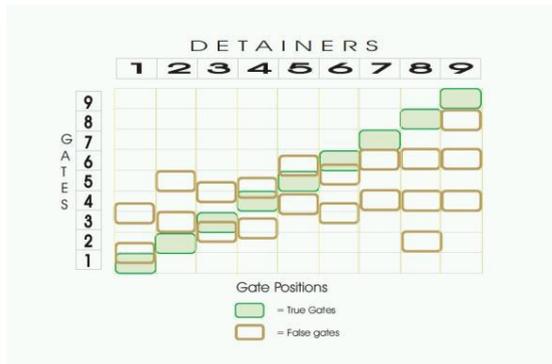
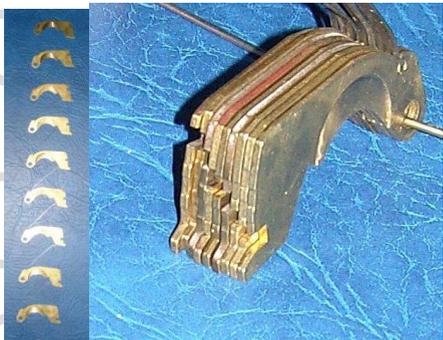
The 110 Pick has a thick blade

- This tool was designed to fit the Chubb Detainer locks only.
- This tool is designed to allow manual picking of the Chubb Detainer locks, such as the :
  - 3K 70 - 5 Detainer Mortice Sashlock
  - 3G110 - 5 Detainer Mortice Deadlock
  - 3R 35 - 5 Detainer Escape Mortice Deadlocking Latch
  - etc

- \* For use on timber doors hinged on the left or right
- \* Detainer style locks provide a higher number of key combinations than lever locks
- \* Deadbolt is locked or unlocked by key from either side

### Specification

- \* Case size - 73mm
- \* Backset - 44mm
- \* Forend - Stainless steel or brass
- \* Striking plate - Painted to match forend
- \* Deadbolt - Brass, with hardened steel rollers



### Features

- \* Force Resistant
- \* Anti - Drill
- \* Anti - Pick
- \* Anti - Saw
- \* Available with square fore-end and striking plate
- \* 14mm bolt throw

There are 5 detainers in a lever pack, however there are 9 possible variations of detainer.



- LH Blade
- RH Blade
- Collar
- Collar Securing Screw
- Tension Wrench
- Picking Wire
- Thumb-turn
- Curtain

- The wires to use with the RPCP 110: Different wires can be used in the lock, such as the CB range Standard wire, F wire, and most of the CB wires bearing in mind that the stronger the picking tip the better.
- Important: You need to use a different holding grip as you will be using both tension and compression.
- Tension: Using the tool to apply pressure via the curtain such that the lock fence presses against the detainers in order to determine the position of the gates.
- Compression: Using the tool so that pressure is applied to the back of the last detainer on a left hand lock, so that each detainer is touching each other. The objective of that is to slow down or even stop the uncontrolled movement of the detainers.
- There are 5 detainers in a lever pack, however there are 9 possible variations of detainer.
- Old detainers: With regards to the older detainers in older locks, compared to the detainers in the newer locks, there is a huge difference. This is due to the positioning of the False Gates, and the numbers of False Gates in the detainers.
- False Gates – effects re picking
- Construction of the lock & why it is an awkward lock to pick

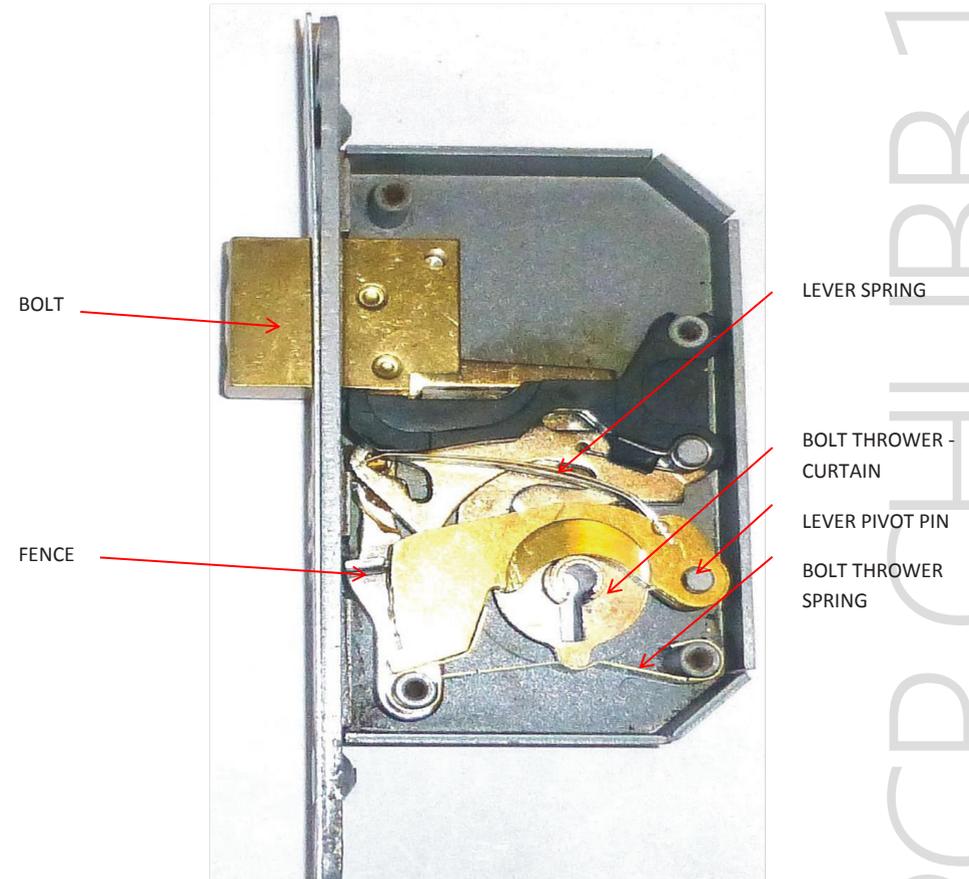


Picking tips:

- With the older detainers, the picking process is somewhat simpler because the False Gates are in known positions, however, this is not so with the newer locks.
  - Rules: I tend to go by the number of False gates before the True Gate and the distance that the lever is moved before reaching the 1st Gate.
  - Double Clicking: I listen/feel the clicks when passing over the False Gates.
  - 2 Procedures: Various locksmiths have their own methods, these are my preferred methods.
  - 1: As above detecting False Gates by feel and sound.
  - 2: Standard version of picking by finding a binding detainer, then move it until it becomes free.
  - Use light tension and light compression to start with and you vary each as required.
  - If a False Gate is encountered, this can normally be skipped past.
- If a detainer comes to a stop, you can tell by the position of the pointer whether you're in a True Gate or a False Gate.



If you have a 110 Pin & Cam set, when you pick the lock, you can still use our decoder adapter to speed up the setting time of the 110 pin & cam, to make a make up key from the decoder readings. Much faster.



The main parts of the 110 for picking purposes

CB R P D  
 CHUBB 110  
 CHUBB 110  
 CB R P C P  
 CHUBB 110

## RPCP Pre-Lifter Pick User Notes



The Pre-Lifter Pick has a thin blade  
Introducing the RPCP Pre-Lifter: Locks to use your Pre-Lifter Pick on:

This tool was designed to fit into 5g keyways.  
The tool is modified to cope with picking the : Chubb 114 Mortice Lock Chubb 114E Mortice Lock ERA Invincible Mortice Lock ERA Classic Fortress Mortice Lock ERA Std Fortress Mortice Lock ICL 6 Lever Mortice Lock and various other mortice 5g locks.

A Little ERA Product Info: Fortress

ERA make 3 versions of the Fortress :  
British Standard Classic Fortress

Group code: 231, 232  
Fully complies with both the European and British standards, meeting exacting criteria of insurance companies. CE approved, the Fortress Classic has hardened steel plates to defend against drilling and four hardened steel rollers in the deadbolt to resist hacksawing.  
British Standard Fortress

Group code: 261, 262  
Fully complies with both the European and British standards. Further recommendation from the police-endorsed Secured by Design programme guarantees insurance companies exacting criteria is not only met but exceeded.  
British Std Fortress Euro Cylinder

Group code: 263, 264  
Fully complies with both the European and British standards, meeting exacting criteria of insurance companies; every lock and comes complete with a high security 6 pin Euro Profile Cylinder resistant against picking or drill attack.

Fig 1. Fortress test lock  
Fig 2. Fortress internals including curtain  
Fig 3. Fortress internals including side warding



- LH Blade
  - RH Blade
  - Collar
  - Collar Securing Screw
  - Tension Wrench
  - Picking Wire
  - Thumb-turn
  - Curtain
  - Left you can see the stem and blade inserted into the lock cap.
  - The blade has been cut away to bypass the side warding.
  - The wires to use with the Pre-Lifter pick are dedicated Pre-Lifter Wires and F Wires. [F = Fortress]
  - Be wary of the sharp edges on the top of the blade, this can cause the blade to dig into the bellies of the levers. Smooth off the blade tip.
  - Be careful when turning the picking stem inside the lock, the blade is relatively thin, make sure that it is inserted correctly.
  - The biggest problem that we have found is that locksmiths sometimes find it difficult to work out how to insert the tool with its wire into the lock.
  - These Fortress locks contain 5 levers.
  - There are 5 levers in a lever pack, however there are 7 possible variations of lever.
  - Each lever has a False Gate.
  - Only the Number 1 and 2 High Lift Levers have a False Gate above the True Gate.
  - The lever pack is of the ABA configuration.
- Picking tips:
- Use light tension and only move the levers in small increments.
- If a False Gate is encountered, this can normally be skipped past

CB  
R  
P  
C  
P  
C  
H  
U  
B  
B  
1  
1  
0