Centralock master fit & setup instructions. Ref 7th March 2006

1, *Check you have the correct Centralock. The first one on the system must be a MASTER unit.*

A, colour of gearbox (black or white)
B, colour of handles (white, black, chrome, gold or polished gold)
C, gearbox handing. (left or right) From inside the house, face the door if the hinges are on the right and the door handle is on the left, this is a RIGHT HAND. If the hinges are on the left and the handle is on the right, this is a LEFT HAND. Check the Centralock gearbox has the letter L for left or R for right on the face of the 8mm square spindle that is sticking out from the front by 30mm

this is a RIGHT HAND

2, *Check you have at least one key fob and a maximum of eight.*

3*, Check the operations of the cylinders, handles and lock type in the door before removing door handles.*

A, you must have an euro cylinder profile type of lock.
B, you must have lever type of door handles fitted to your door, both inside and out, that lift to operate. Check that the new Centralock handles are longer than the ones fitted. The Centralock is designed to fit over the old handle holes but please check by offering the new inside Centralock handle up to the old handle fitted on the door, line up the handles and see if the top of the Centralock handle is above the old handle.
C, with the door open and NOT locked, check that when the inside handle is lifted the hooks, bolts or rollers operate.

Yes, now check the deadbolt operation by turning the inside cylinder key or thumb turn slowly to lock the door. As the key turns, the deadbolt moves forward, a small resistance should be felt, when the deadbolt is fully thrown, the key resistance stops and moves freely. If the key is very stiff to operate, then the lock may be faulty or not installed correctly. The Centralock gearbox will detect a stiff or faulty lock and will not install. A faulty lock would damage the gearing and motor. The door must be correctly adjusted in the frame so the door closes. It does not jam on the frame or require force to latch. Exception to this rule is a “fast lock.” Centralock will still work on this type of lock. A “fast lock” still throws the hooks when you lift the handle but the deadbolt is also thrown at the same time.

No, if the handle will not lift or does not throw the hooks, bolts or rollers, then turn the cylinder key. As the key is turned, the hooks, bolts or rollers now operate. This is a “wind up” lock and the Centralock will not work on this type.

4, *Remove the existing door handles.*
A, open the door and remove the inside screws from the existing door handle (hold the outside handle as it will fall off)
B, do not remove the 8mm square steel spindle or cylinder at this stage.

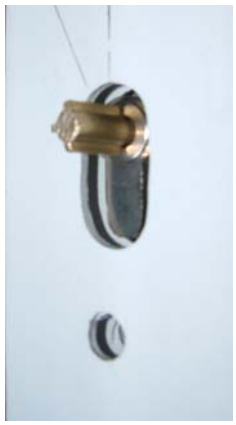
5,*Marking out the drill holes.*
A, Place the drill jig over the 8mm square and cylinder on the inside of the door, mark with a pencil the position of holes 1, 2, 3 & 4.
B, Place the drill jig over the 8mm square on the outside of door and mark the outside holes 5 & 6. NOTE see drill jig drawing.
C, After marking out the holes for drilling, moving the M5 set screw which is located in the lock face bar. (This is the machine screw with a M5 thread.) You will have to slowly turn the key as you pull the cylinder to line up the cylinder cam with the slot. Cylinders cannot be removed if the correct key is not used.
D, remove the lock by removing all the fixing screws only DO NOT remove the machine screws that hold the lock cases onto the face plate, if you do, the lock will fall to bits!

6, *Drilling the holes.*

A, drill the inside hole 1 10.0mm dia x 10.0mm deep
B, drill the inside hole 2 10.0mm dia x half way through the door
C, drill the inside hole 3 6.0mm dia x half way through the door
D, drill the inside hole 4 12.0mm dia x 10.0mm deep

E, drill the outside hole 5 9.0mm dia x half way through the door to meet hole 3
F, drill the outside hole 6 9.0mm dia x half way through the door to meet hole 2

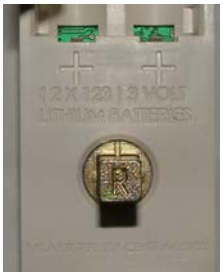
7, *Cutting parts to length for fitting Centralock to the door.*
A, offer Centralock gearbox up to the new drilled inside holes and check it lines up and sits flush on the door. Also check the outside door handle sits flush in the new holes. (do not fit at this stage)
B, clean out wood/plastic bits from lock cut outs and replace lock using same screws.
C, from the inside, place the new dummy cylinder into the lock and line up the cam by slowly turning the splined shaft until the cam rotates in the lock case. The M5 hole in the dummy cylinder will line up with the hole in the lock face plate. Fix dummy cylinder in place by inserting the M5 machine screw through the face plate. Now mark the brass splined shaft with a pencil 12mm from the face of the door. Remove the dummy cylinder and cut the splined shaft with a hacksaw. File any sharp edges from the shaft and replace in the lock.

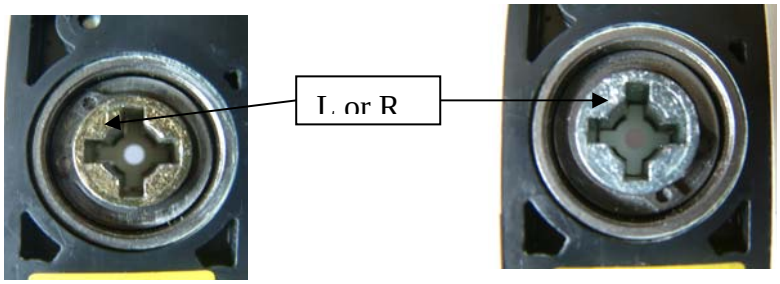


D, prepare to cut the 8mm square steel spindle to length.
E, with the door open. Fit the new 8mm shaft into the square hole in the lock.
F, offer the Centralock gearbox up to the door and fit the 8mm spindle into the square hole in the gearbox hold the gearbox flush with the door. On the outside of the door make sure the spindle is pushed home, then mark the spindle 25mm from the face of the door with a pencil. Remove the spindle and cut with a hacksaw, file any sharp edges.
G. cut the M5 machine mounting screws to length.
H, Again offer the gearbox up to the door and hold flush with the door, push the M5 screws into the fixing holes top and bottom of the gearbox, they will stick out of the outside of the door. Measure 5mm from the face of the outside of the door and mark. Remove screws and cut to length with a hacksaw. Both screws should be the same size. File a 1.5mm chamfer on the cut ends of the screws to give the thread a good start and to prevent cross cutting the threads when fitting.

8. *Prepare the Centralock gearbox for fitting*

A, **fit the small black jumper to the small plug socket on the back of the gearbox.** (a reed switch can be fitted if required but is not necessary for masters.)
B, check the drive clutch is in the locked position, by lining up the 8mm square shaft of the gearbox. To find the correct position of this shaft, hold the gearbox upright facing you, the R or L on the shaft should be upright and level. If not adjust until correct.





C, check the gearbox is in the locked position by holding the gearbox upright with the back facing you, look at the drive gear towards the bottom of the gearbox, if it is a right hand there is a small R engraved in the casting or an L if left hand. This letter should be again upright and level, if not use a large flat blade screwdriver to move the drive gear to the correct position. This drive will only turn a total of 270 degrees, do not force past the end stops. This must be done correctly or else the Centralock gearbox will not work.
D, fit the dummy cylinder to the lock on the door, turn the splined shaft with your fingers to make sure the deadbolt is back. If it is stiff to turn, loosen the cylinder holding screw and re-try turning the shaft, then re-tighten the M5 screw.

E, fit the 8mm square spindle into the lock and use any handle to throw the hooks, bolts or rollers. Now very slowly turn the splined shaft to throw the deadbolt. As soon as the deadbolt is thrown, stop turning the splined shaft and line up the spline that is closest to the 12 o clock position, to the exact 12 o clock position. You may have to slowly turn the spline 10 – 15 degrees either way to find this position.

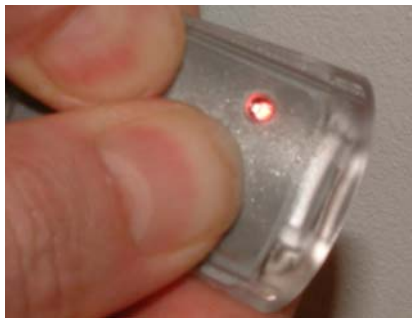
After deadbolt has thrown

Adjust to the 12.0 clock position

9, *Fitting the gearbox to the door.*
A, make sure all preparation work as above has been done and that all parts required and a medium flat blade screwdriver are close to hand.
B, the 8mm cut square spindle should be fitted in the lock.
C, from inside with the door open, offer the gearbox up to the door, without moving the splined cylinder shaft out of place. Carefully fit the gearbox drive gear over the shaft (use a small screwdriver if required to slightly lift the splined shaft) at the same time also line up the 8mm square spindle with the square slot in the back of the gearbox. Push the gearbox flush with the door.
D, push the 2 cut M5 machine screws into the mounting holes in the gearbox. While holding the gearbox on the door offer up the outside door handle and line up with the M5 screws. Tighten screws (do not over tighten)
E, drop the 7mm X 20mm spring into the 8mm square hole in the outside backplate, this spring will force the 8mm steel spindle into the back of the gearbox. If it is not used the steel spindle will slide out of position and will cause the handles to travel 360 degrees without opening the door.

10, *Testing and setting up the Centralock gearbox.*
A, door should be open with gearbox fitted to outside handle. Deadbolt should be thrown (out) and hook, rollers or pins in the locked position.
B, move the SW1 switch on the front of the gearbox to the up position.
C, place the CR123A batteries into the gearbox, the correct way round. Positive down.
D, move SW1 to the down position, after 5 seconds move SW1 up (this resets the memory of all test data and removes

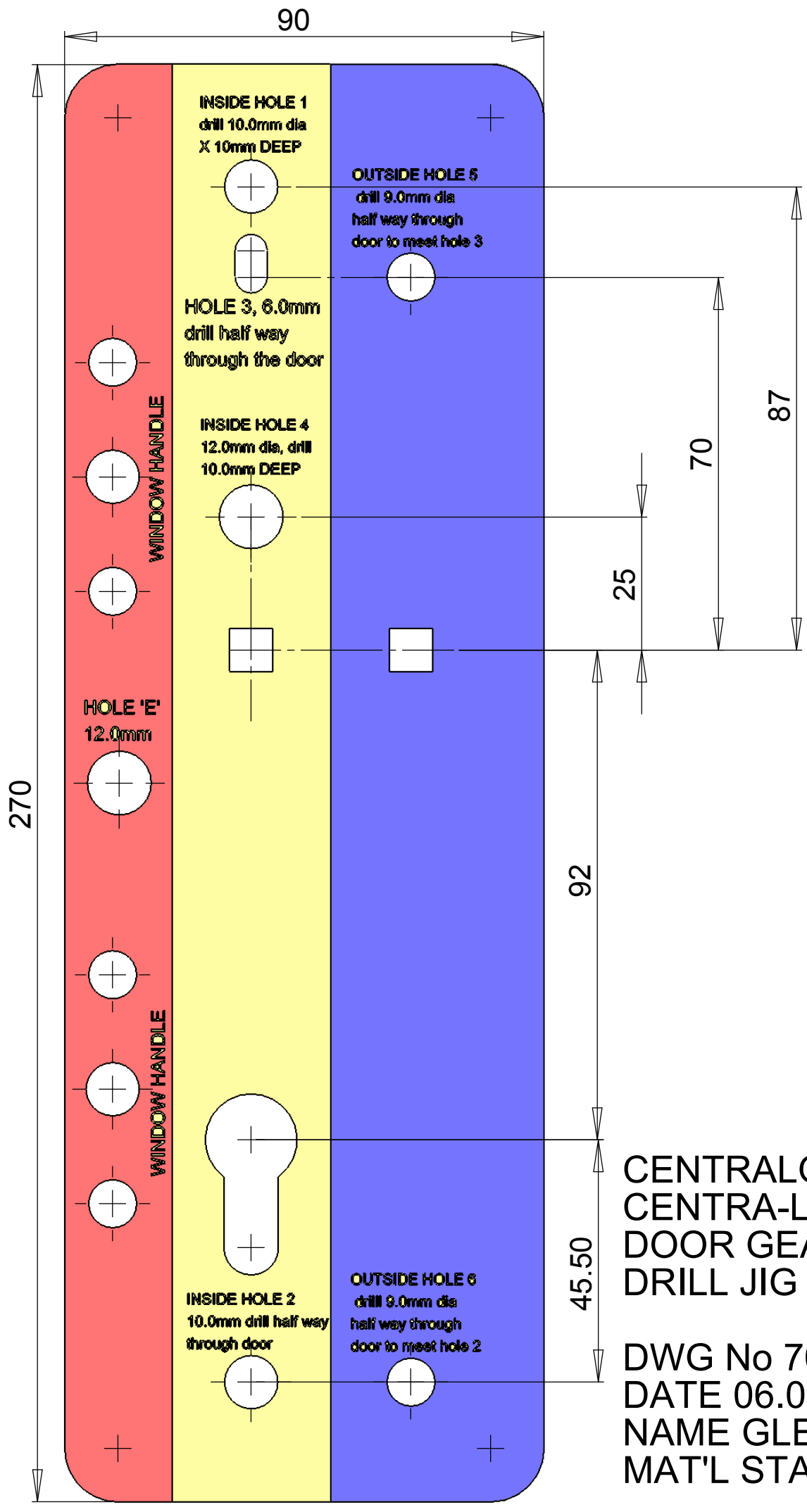
any test key fobs) after 10 seconds the unit will give a single beep. If a continual tone is emitted the batteries you are using are almost flat.
F. the unit is ready to auto install other radio devices. First take a key fob and hold it about 1 metre from the door and press both buttons together, the LED will come on. Hold down until the led goes out, then stop pressing the buttons. Watch the led after 15 – 30 seconds, the LED will flash three times and the gearbox will give a single beep to confirm device has installed. Repeat above for each key fob up to a maximum of 8 fobs. After the last fob has confirmed 'install' by the beep, move the SW1 switch down and wait for TWO beeps, the first beep indicates the start of the transmitter radio testing, the second beep confirms the tests are all OK, DO NOT press any buttons or lift the outside handle before the second beep. This would stop the test. It should take no more than 30 seconds to give the second beep.



G, the door should still be open. After the second beep take one key fob and press the door button, do not hold it closer than 1 metre to the gearbox. Now if the gearbox is fitted correctly and the dummy cylinder is correctly lined up, the gearbox will operate by testing the lock (by unlocking and then locking.) After the test, the unit will beep. Now, lift the outside door handle until it beeps once then let the handle return. The gearbox should drive the deadbolt forward and beep once to confirm deadbolt is forward. Press door open button on any installed fob once, the LED should flash and the gearbox should drive the deadbolt back and give two beeps. If this does not happen the splined shaft on the cylinder is not properly lined up with the Centralock drive.
H, lock the door by lifting the inside handle. Once the deadbolt is out and locked, remove the top white gear from the gear drive and turn the bottom gear until the black or white indicator is at the bottom, then replace the top gear. This will show when the door is locked.

I, fit the inside door handle to the Centralock using only the correct length screws as longer ones will hit the PCB and shorter ones will affect the radio range. Before you tighten the screws, turn the thumb turn to 180 degrees and make sure it fits into the castleations in the white top gear.

11. *Faults*
A, if the Centralock beeps many times after lifting the handle and there is no other units except key fobs on the system, then the lock has failed to lock. Check the dummy cylinder is in the correct position. Check the operation of the deadbolt first, by using the thumb turn on the inside handle.
B, if after opening the door via a key fob you here a long beep, it means the Centralock batteries have a maximum of one month of life left. Replace immediately.
C, if you have any problems or questions please ring 07970 158878.



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CENTRA-LOCK
DOOR GEARBOX
DRILL JIG

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