



CENTRAL LOCKING KIT

Installation Manual

VCDL01 - For 2 Door Cars
VCDL02 - For 4 Door Cars

COMPONENTS



HARDWARE BAG



MASTER ACTUATOR
5 WIRE



SLAVE ACTUATOR
2 WIRE



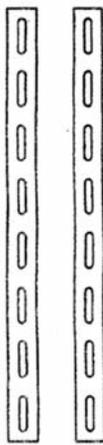
CLAMPS



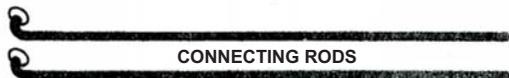
CONTROL BOX



WIRING HARNESS



MOUNTING STRIPS



CONNECTING RODS

2 DOOR KITS CONTAIN 1 x 5 WIRE AND 1 x 2 WIRE ACTUATORS
4 DOOR KITS CONTAIN 2 x 5 WIRE AND 2 x 2 WIRE ACTUATORS

Introduction

Before starting the installation please read these instructions carefully and familiarise yourself with the components of the kit.

On each door should be a button which moves when the door is locked. When the door trims are removed you will find this is joined to the lock with a rod. It is to this that the actuator's connecting rod is to be attached.

For a 2 door kit the 5 wire actuator is fitted to the drivers door and the 2 wire actuator to the passenger door.

For a 4 door kit both front door are fitted with 5 wire actuators and both rear doors are fitted with 2 wire actuators.

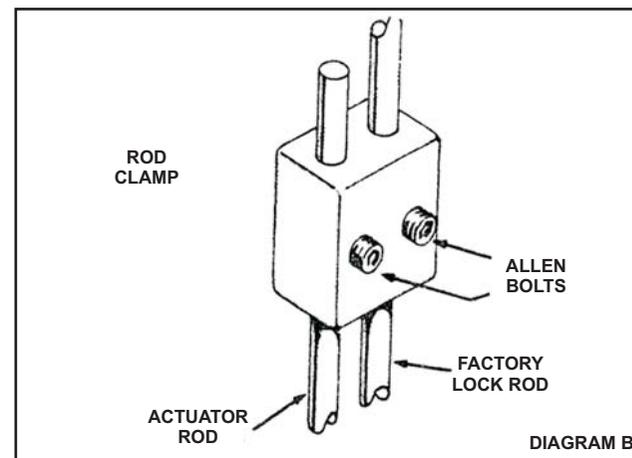
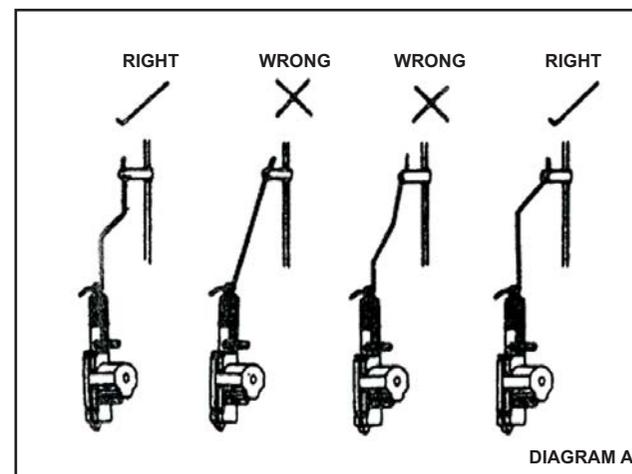
Fitting the actuators

- 1) Position the actuator parallel to the lock rod where it will not foul any moving parts such as the window mechanism.
- 2) The actuator must be mounted on a flat surface, or alternatively to the mounting strip which can then be shaped to fit.
- 3) Use the template to mark out the holes 57mm apart and drill them 3.5mm diameter.
- 4) Attach the actuator using the self tapping screws, do not over tighten them or use a power screwdriver.

Connecting the actuator to the lock rod

Cut and bend the connecting rod as shown in diagram "A". Clamp the two rods together using the block clamp and allen key as show in diagram "B". Do not tighten the clamps until the electrical connections are complete.

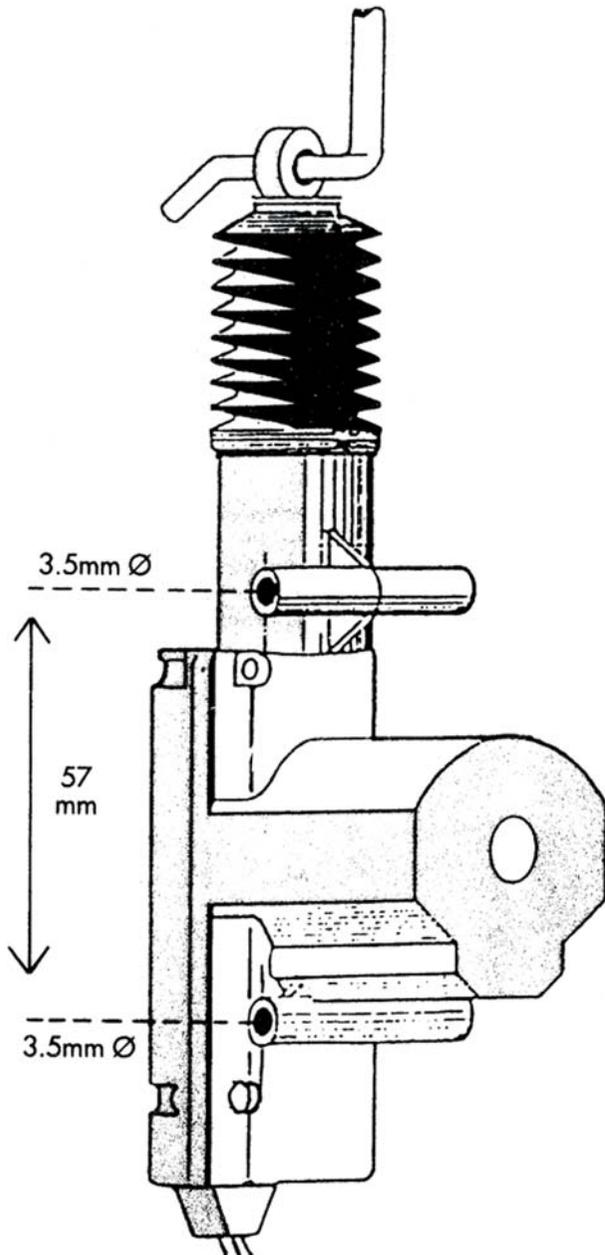
NOTE: Bend the connecting rods similarly to the correct examples shown below.



Wiring Procedure

Mount the control box inside the vehicle in a dry place.
Connect the plug to the control box.
Run the 5 core cable to the front doors (drivers door only on 2 door kit) and the 2 core cables to the remaining doors. Ensure that it does not obstruct any moving parts such as pedals or the window mechanism. Wires are connected to the actuators matching colour to colour.
Connect the black wire to ground and lastly connect the red wire to a permanent 12V source.

MOUNTING TEMPLATE



Setting up and Testing

Fully extend the 2 wire actuator/s. Tighten the clamp. Operating a 5 wire actuator should now operate the lock/s connected to the 2 wire actuator/s.

Similarly tighten the clamps on the 5 wire actuator/s. If the movement of your lock is less than the actuator's movement it may not trigger the actuator's internal switch. This problem is easily solved by moving the clamp by a small amount.

Test that this lock now operates the other doors (The doors may need to be closed for the locks to work).

Connection to an alarm system

The central locking system can be controlled by any alarm that supports negative locking (low or high).

Lock - White wire

If the white wire is grounded the doors will lock.

Unlock - Brown wire

If the brown wire is grounded the doors will unlock.

To connect to a Falcon XL, XL2, or EVO alarm follow the wiring diagram below. For a Falcon Easy Fit alarm simply connect the alarms white and brown wires to the white and brown wires on the central locking module.

CONNECTION TO FALCON ALARM

ALARM CDL OUTPUT	BLACK	NOT USED
	GREEN	TO WHITE WIRE ON CENTRAL LOCKING MODULE
	PINK	CONNECT TO GROUND
	WHITE	NOT USED
	BLUE	TO BROWN WIRE ON CENTRAL LOCKING MODULE
	ORANGE	CONNECT TO GROUND

Adding extra actuators

To add extra actuators for a boot for example, simply wire another 2 wire actuator in parallel with the green and blue wires going to the existing actuators.

Sliding Doors

For vehicles with sliding doors a special sliding door contact is required to carry the connections for the green and blue wires across to the door when it is closed.

Suitable contacts are available from your Falcon Security dealer, part number VDET14.

Fault Finding

1) All doors lock and unlock by themselves.

Either the wires have been connected to non matching colours or the clamps on the 5 wire actuator/s are not aligned correctly. Repeat the set up and test procedure more carefully.

2) When trying to lock the doors they return to unlock (or vice versa).

Test with the doors closed. If not the fault is as per problem 1.

3) Rear doors lock when the fronts unlock.

Reverse the green and blue wires to both rear door actuators.

4) Nothing works.

Check the ground connection of the black wire. Ensure the fuse is fitted and test that the red wire is live with the keys removed from the ignition.

Falcon Security Limited

Support: 0906 700 10 20

Calls are charged at 50 pence per minute.