



## ***FALCON PHASER2***

**Advanced Keyless Entry System**

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## 1. Features

Remote lock and unlock  
Car finder  
Total closure  
Remote boot release  
Code learning (up to 4 remotes)  
Flashes hazard lights  
Universal Central Locking  
Siren/horn output

## 2. Button Function Table

button	door lock	door unlock	ignition on
button #1 once	lock	lock	lock
button #1 2 sec.	car finder	car finder	
button #2 once	unlock	unlock	unlock
button #3 2 sec.	boot release	boot release	

### 2.04 Button definition



## 3. Code Learning

The remotes have programmed to the system when leaving the factory. If necessary there are 2 methods to program a new remote to the system as follows:

- Power on the system
- Lights flash twice
- Within 10 sec., press the onboard switch 6 times
- The system enters into the code learning mode and the indicator lights turn on to confirm
- Within 10 sec., press any button of 1<sup>st</sup> remote

- Lights flash once then stay on again to confirm the 1<sup>st</sup> remote is programmed to the system
  - Follow the same procedure as above to program the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> remote. You have up to 10 sec. for the learning of each remote
- The system will quit the learning mode as follows and the indicator lights will turn off to confirm:
- \* Upon programming 4 remotes to the system
  - \* If doing nothing for 10 sec.

#### The 2<sup>nd</sup> method of programming the new remote to the system:

- Unlock the door by remote control
- Within 20 sec. turn the ignition on-off 5 times then back to on
- The system enters into code learning mode and the indicator lights will turn on to confirm
- Within 10 sec. press any button of 1<sup>st</sup> remote
- Lights will flash once and then stay on again to confirm the 1<sup>st</sup> remote is programmed to the system
- Follow the same procedure as above to program 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> remote. You have up to 10 sec. for the learning of each remote.
- The system will quit the learning mode as follows and the indicator lights will be off to confirm:
  - \* Turn the ignition off during the code learning
  - \* Upon programming 4 remotes to the system
  - \* If doing nothing for 10 sec.

### 4. System Operation & Installation

#### 4.01 Door lock

- Press the lock button once with the ignition off
- Doors lock
- Lights flash once
- The siren/horn chirps once (if connected)
- Then window closure output will be on for 40 sec.
  - \* If pressing the lock button with ignition on then the window closure output won't be activated

#### 4.02 Door unlock

- Press the unlock button once
- Doors unlock
- Lights flash twice
- The siren/horn chirps twice (if connected)

#### 4.03 Boot release

- Press the boot release button (#) for 2 sec. will operate the boot release output.

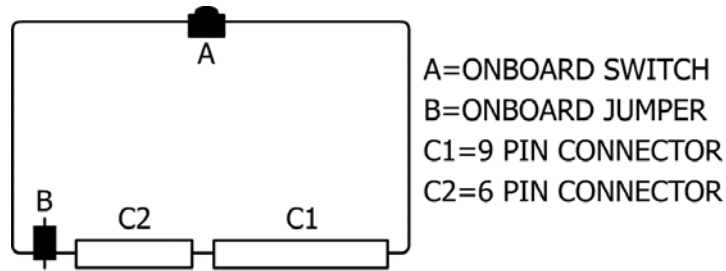
#### 4.04 Car finder

- Press the lock button for 2 sec. the horn/siren will chirp once (if fitted) and the lights will flash 12 times to help you locate the car.

#### 4.05 Programming lock and unlock time

- 1 sec. pulse -> put the onboard jumper on
- 4 sec. pulse -> remove the onboard jumper

#### 4.06 Wiring diagram



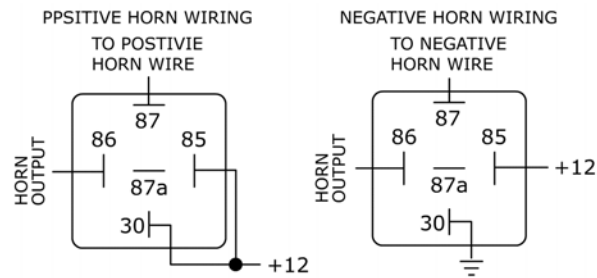
C1-1 WHITE -> 10A fused lights flash output  
C1-2 WHITE/RED <- Polarity input for C1-1 & C1-3[+ or -]  
C1-3 WHITE -> 10A fused lights flash output  
C1-4 RED <> 5A fused system power +12V  
C1-5 BLACK <> System ground  
C1-6 BROWN -> Siren/Horn output[1A]  
C1-7 YELLOW <- Ignition input[+]  
C1-8 GRAY/BLACK -> Window closure output[-500mA]  
C1-9 GRAY -> Trunk release output[-500mA]

C2-1 BLACK - Door lock[N.C]  
C2-2 GREEN - Door lock[COM]  
C2-3 PINK - Door lock[N.O]  
C2-4 WHITE - Door unlock[N.C]  
C2-5 BLUE - Door unlock[COM]  
C2-6 ORANGE - Door unlock[N.O]

- C1-1 and C1-3 White -> Lights flash outputs[+]  
Connect C1-1 and C1-3 to indicator lights.
- C1-2 White/Red -> Polarity input for C1-1 & C1-3[+ or -]  
Connect C1-2 to positive or negative depending on the polarity of the cars indicator wires.

- C1-6 Brown -> Siren/Horn output [1A]

Connect the red (+) wire of an optional siren for confirmation chirps. An additional relay will be required when connecting this output to the car horn instead of a siren; see the wiring below:



- C1-7 Yellow <- Ignition input [+]

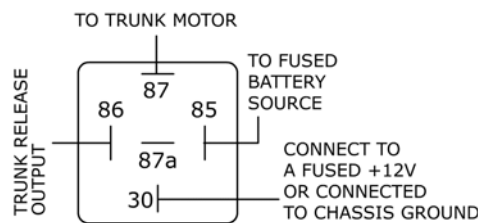
Connect to an ignition wire that shows +12V when the key is in both [on] and [start] positions

- C1-8 Gray/Black -> Window closure output [-500mA]

Can be connected to a window closure module or for cars with total closure/comfort closure to the cars total closure wire where applicable (max 500mA). If the car does not have a separate total closure wire a relay will be required.

- C1-9 Gray -> Boot release output[-500mA]

An additional relay will be required when wiring, see the wiring below:



## 4.07 Lock & unlock wiring

Diagram #A  
Original built-in central power lock

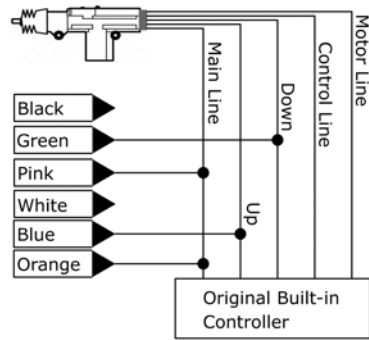


Diagram #B  
Original built-in central power lock & electric power lock switch were installed  
For example: CHRYSLER

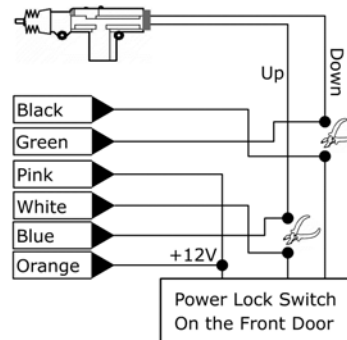


Diagram #C  
Original built-in central power lock & only a switch existed inside of the front door.  
A motor and the control level were required

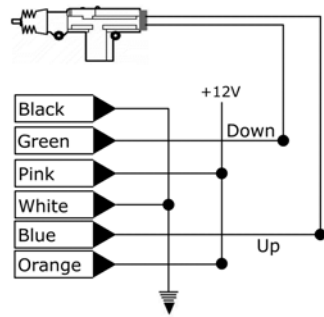


Diagram #D  
Original built-in power lock & using compressor to control the switch.  
For example: BENZ, AUDI  
(Note: Active time 3.5 sec.)

