

REMOTE CONTROL CENTRAL LOCKING 4 DOOR KIT



CONTENTS

- 4 Door Wiring Harness
- 4 x Central Locking Motors
- Universal Mounting Brackets and Accessories
- 2 x Remote Controls
- 1 x ECU

TECHNICAL PARAMETERS

- Working temperature: -40 ~ +85
- Working voltage: 9 ~ 16VDC
- Static current: ≤10mA
- Frequency: 433.92MHz ± 0.25MHZ

KEY FEATURES

- Remote lock/unlock
- Remote boot release
- Car locating
- Additional kill switch, can cut off Starter Motor
- Remote close sunroof (auxiliary output)
- Remote close windows (auxiliary output)

FEATURES

1. Remote lock

Press "🔒" button once on the transmitter, the turn signals will flash once and the doors will be locked. If the sunroof and window closer are connected, both the sunroof and windows will be closed.

2. Remote unlock

Press "🔓" button once on the transmitter, the turn signals will flash twice, and the doors will be unlocked.

3. Remote boot release

Press and hold the "🔓" button for 2.5 seconds on the transmitter, the turn signals will flash 3 times. The boot will be released (Positive or negative boot trigger can be selected).

4. Panic/Locating

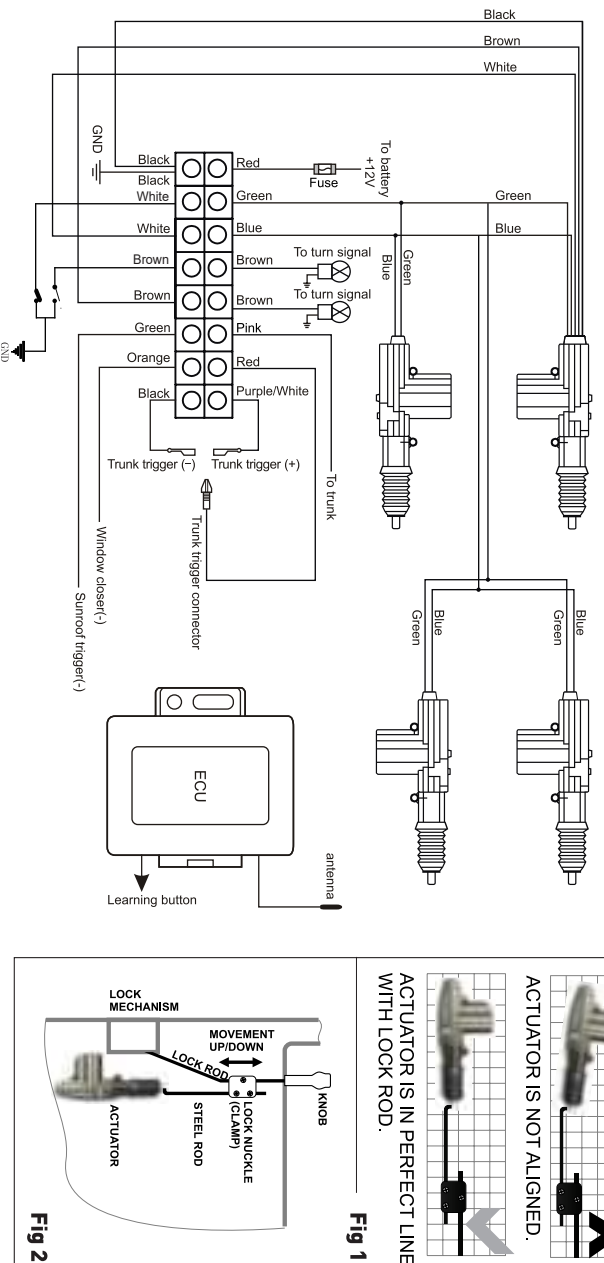
Press "🔒" or "🔓" button once in arming status, the turn signals will flash 3 times.

5. Transmitter programming

The system comes with two programmed transmitters. If you need to replace transmitters, please follow the steps below:

- 1) Press & hold the learning button located on the ECU (next to wiring plug), the turn signals will turn ON.
- 2) Press the lock button on the 1st transmitter, the turn signals will flash. This indicates that the 1st transmitter is successfully programmed.
- 3) Press the lock button on the 2nd transmitter, the turn signals will be turned off. This indicates that both transmitters are programmed successfully.

WIRING DIAGRAM (1 MASTER, 3 SLAVES)



- For positive switching boot trigger, join the RED wire with bullet terminal to the purple/white terminal wire. The Pink wire will now output 12V positive when activated.
- For negative switching boot trigger, join the RED wire with bullet terminal to the black terminal wire. The Pink wire will now output 12V negative when activated.

INSTALLATION

1. Installing Central locking motors/actuators

- Carefully remove the window handles, lever surrounds & door trims.
- Align each actuator in the correct direction, make sure the actuator doesn't obstruct any moving parts within the door. Also ensure the actuator's movement is parallel with the door lock mechanism. (See Fig 1)
- Drill two small holes (5mm) in the internal side of the door, use actuator mounting holes to indicate hole locations then secure actuator.
- If required bend a steel rod (supplied) to allow actuator to push lock mechanism.
- Align actuator to middle stroke position, align lock rod to middle position.
- Use a knuckle (supplied) to connect the steel rod to the lock rod. (See Fig 2)
- Ensure all screws are secured on the knuckle and complete with tread locking solution (Loctite, not supplied).

2. Installing Wire Harness

- Plug wire loom into central locking ECU and secure into appropriate final mounting position (somewhere under driver's side of dash).
- Run long end of the harness through vehicle's under dash area for front passenger actuator and under carpet to rear passenger's actuator.
- Run short end of harness to driver's actuator and under carpet to rear passenger door (driver's side).
- Black, Brown and white wires on master actuator must be connected colour for colour.
- Green and Blue wires should initially be connected colour for colour, however actuator direction may need to be reversed depending on mounting. If so Green & Blue may be swapped.
- Please ensure all actuators are installed, wires connected and all joints are insulated before connecting power and ground.

3. Caution

- When running wires from car into door use rubber grommets to protect wires from chafing against bare metal as door is opened & closed.
- Sleeve wires in PVC automotive sleeving or insulation tape to protect wire while bending as door is opened & closed.
- Wires run through doors must not obstruct any moving parts inside door, use cable ties to trap wires against the door skin.
- Before replacing door trims check window winding components are free form any locking wires by rolling windows up and down.

4. FAQ

Fuse always blows

- Check there is no short circuit on power wire or green & blue wires to chassis ground.

Actuators do not operate

- Check fuse
- Check wire connections to each actuator
- Check mechanical assembly and ensure there are no parts loose.