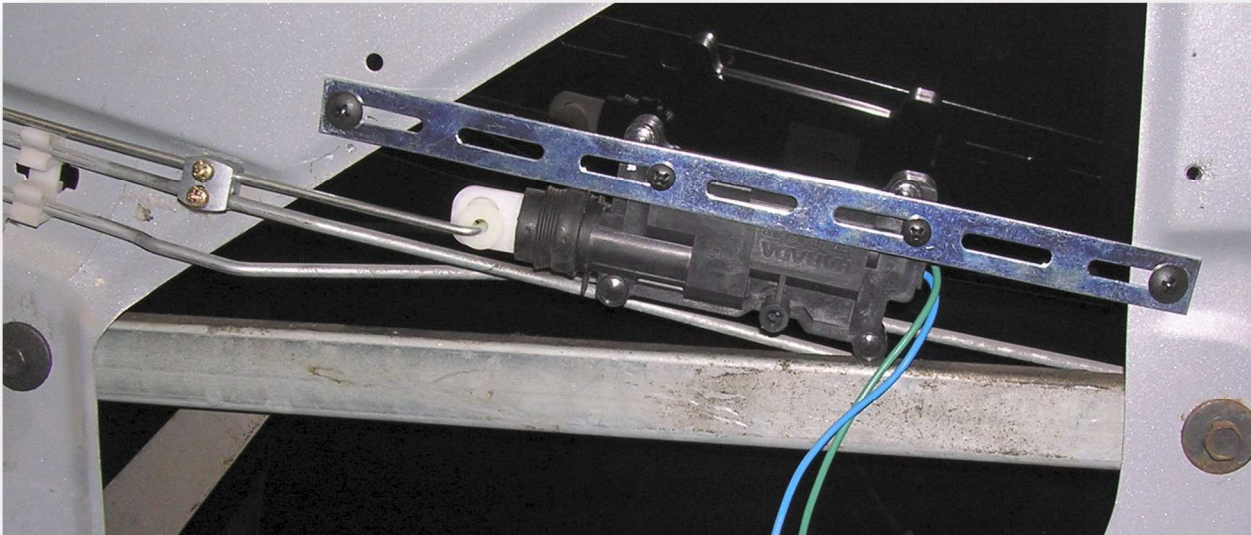


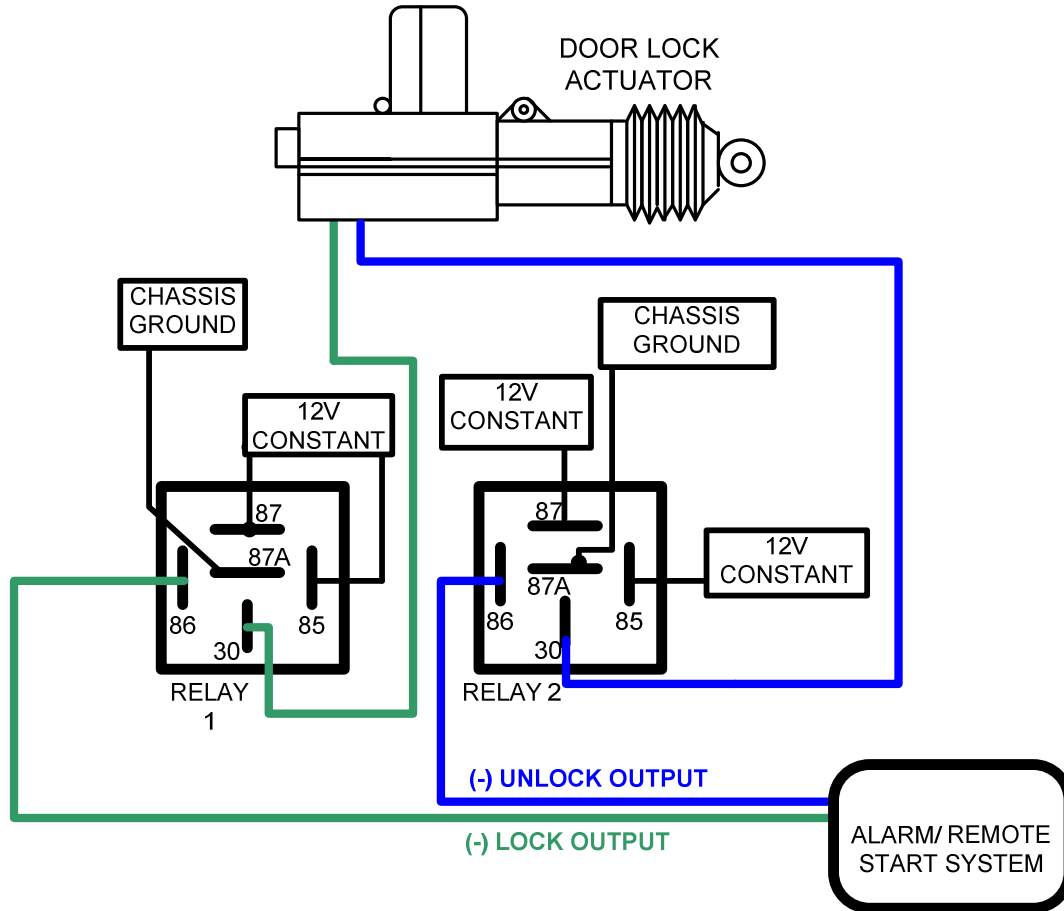
ADDING DOOR LOCK ACTUATORS

- ▶ Vehicles without factory power door locks require the installation of an actuator in each door.
- ▶ This requires mounting the door lock actuator inside the door. This can be a difficult installation on some vehicles and extra time must be allowed to properly complete the installation.
- ▶ To install door lock actuators the door panel must be removed. A window crank removal tool and a door panel removal tool are recommended to help remove the door. Both tools are available at most auto parts stores.
- ▶ Most actuators come with mounting instructions. Read and carefully follow all directions.
- ▶ Locate the metal lock rod that moves when the doors are locked or unlocked. Notice how it moves when the locks are locked and unlocked. The actuator needs to be mounted so that it can pull and push that rod to lock and unlock the door. The actuator should be mounted in a way that it moves parallel to the locking rod of the door.
- ▶ The actuator must be mounted so that the door panel can be reinstalled without interfering with movement of the door lock actuators, windows, or the door handle.
- ▶ Some good spots are located towards the rear of the door
- ▶ Carefully wrap all wires and run them into the car.

Pictured below is a door lock actuator mounted inside the door.



2 relays can be used to interface the door lock actuators to the aftermarket unit as shown:



RELAY 1

PIN	CONNECTION
85	TO 12V CONSTANT
86	TO (-) UNLOCK OUTPUT FROM ALARM/REMOTE START SYSTEM
87	12V CONSTANT
87A	TO CHASSIS GROUND
30	TO GREEN WIRE ON DOOR LOCK ACTUATOR

RELAY 2

PIN	CONNECTION
85	TO 12V CONSTANT
86	TO (-) UNLOCK OUTPUT FROM ALARM/REMOTE START SYSTEM
87	12V CONSTANT
87A	TO CHASSIS GROUND
30	TO BLUE WIRE ON DOOR LOCK ACTUATOR

Remote starter and security installations should be attempted by experienced security installers only. Information contained is accurate to the best of our knowledge and experience. Information contained is without any representation of warranty. It is the installer's responsibility to test and confirm all circuits with a digital multi-meter. Proper installation remains the responsibility of the installer. CarInstallExperts.com assumes no liability or responsibility resulting from an improper installation, even in reliance with the information contained in this guide.