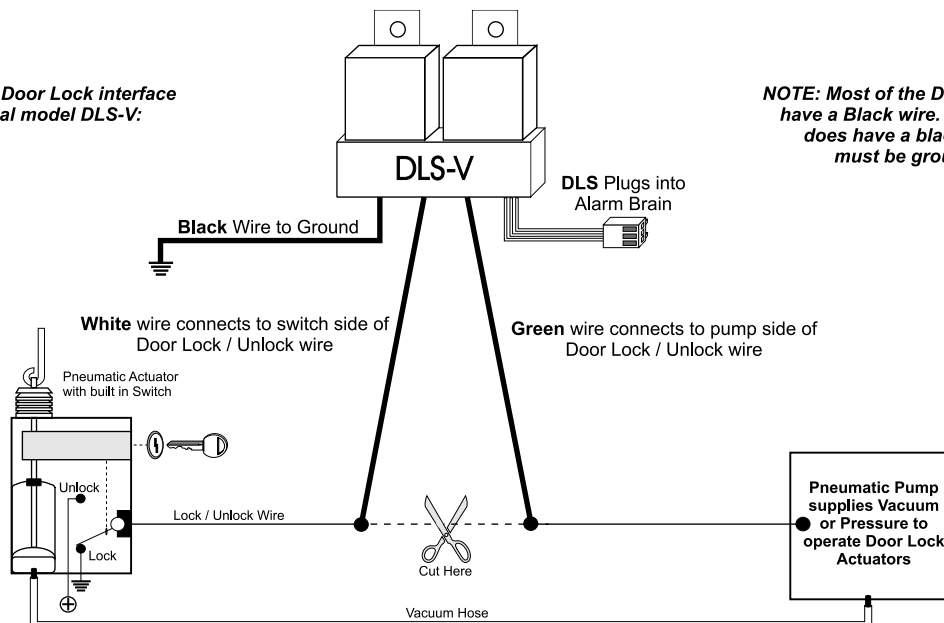


Note #210 - Mercedes Vacuum Door Lock Circuit

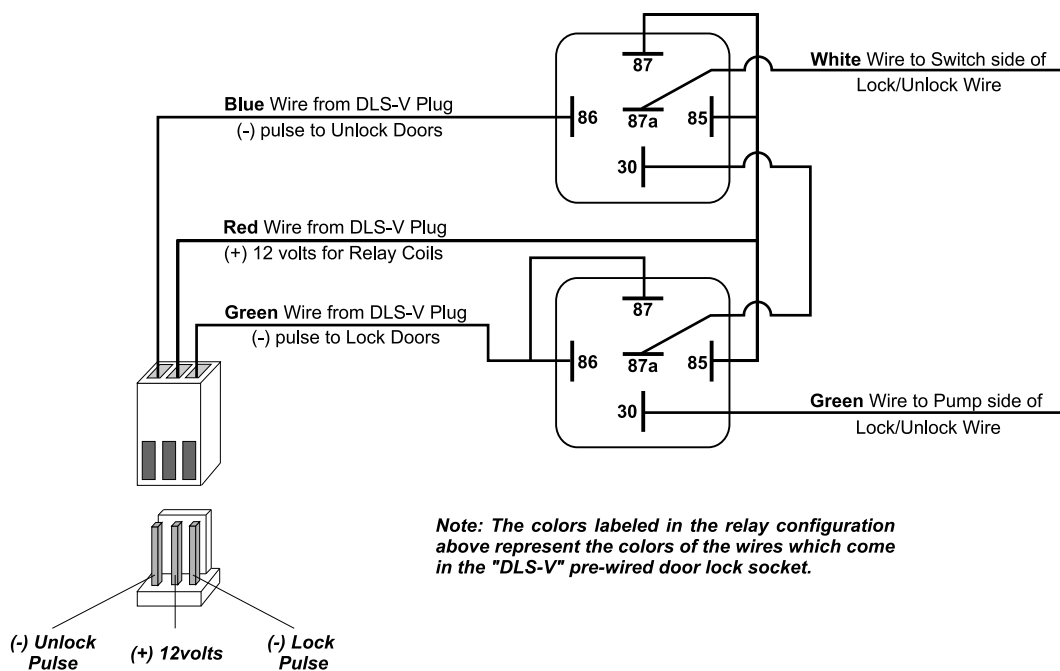
• The Pneumatic actuators used in a Mercedes Vacuum type door lock system have a built in switch which supply Positive 12 volts or Ground to a control unit and pneumatic pump. The switches are operated when the doors are locked or unlocked manually with the door lock knob or from the key cylinder switch in the door. The polarity supplied to the pump determines if the pump supplies vacuum or pressure to lock or unlock the doors. The pneumatic pump must supply vacuum or pressure for at least 3 seconds to operate the door lock actuators correctly, therefore, the alarm or keyless entry module must be programmed to pulse the door lock outputs for 3 seconds.

• The connection point for the Mercedes Vacuum type door lock system interface can be made in either kick panel or at the pneumatic pump itself, which is located in the trunk or under the rear seat. The proper wire from the driver side actuator/switch is usually blue and the proper wire from the passenger side actuator/switch is usually green. The yellow wire from the trunk actuator can also be used. The correct blue, green, or yellow wire will show ground when the doors are locked and 12 volts when the doors are unlocked.

Mercedes Vacuum Door Lock interface with the optional model DLS-V:



CONNECTION: The diagram above shows how to connect the optional model "DLS-V" to a Mercedes Vacuum type door lock system. If the relays are going to be wired directly without the optional model "DLS-V", then use the wiring diagram below to see how the relay coils are wired to the alarm brain outputs & how the wires from the relay contacts are wired to interface with the door lock system.



OPTIONAL MODEL DLS-V: This "DLS-V" Door Lock Socket with optional relays just plugs into the alarm. This option saves time by pre-wiring relays & the wires that interface with the vacuum type door lock system. This "DLS-V" can be used in vehicles that are equipped with vacuum type door locks. NOTE: The alarm or keyless entry can only operate a vacuum door lock system if the door lock and unlock output pulses are programmed to a 3 second pulse time.