

Power Locking Installation Intro

How To Get What I Need.

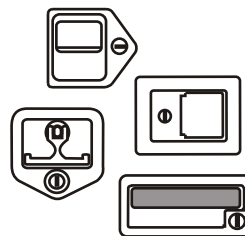
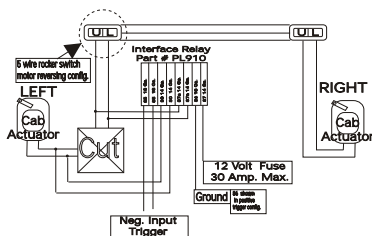
Controllers

PLW10-RC

PLW10

PLRB

Pro



Control Systems: Keyless Entries, Security Systems.

Schematic: Situational Wiring Details, Data Interface Modules.

Instructions: Specific Latch Details for Tool Box & OEM Doors.

For these and other viewable and printable instructions please visit:

www.poplocks.com 24/7

Or call Monday- Friday 8:00 am to 3:00 pm Central Time
HDC Inc. support and sales 512-301-0303

POWER LOCKING INSTALLATION INSTRUCTIONS

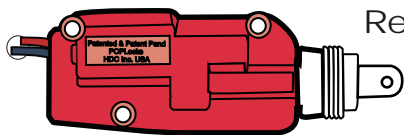


- 1-strippers
 - 2-crimpers
 - 3-screwdriver
 - 4-small wrench
 - 5-razorblade
 - 6-pop-riveter
 - 7-needle nose pliers,
 - 8-electric drill, 9-1/4"-1/2"
step drill or bits
 - 10-1/4" tech driver.
- Not shown: volt meter or test light.

Tools needed to install a basic power locking system. Installer should be skilled in electrical accessory installation. HDC Inc. accepts no responsibility for consequential damages to vehicles relating to any installation of their products.

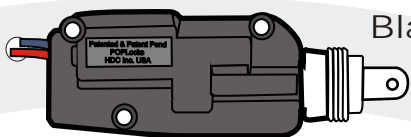
Power Locking Installation Intro

How To Get What I Need.



Red Flat Actuator (Stand Nose SN)

Exclusive new actuator developed by HDC Inc. Red Flat Actuator is ideal for spring detent latches is smaller and flatter than traditional styles. Unique detachable nosepiece capability.

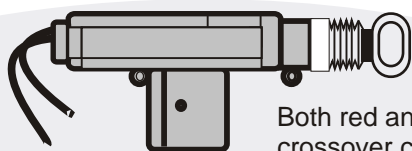


Black Flat Actuator (Standard Nose SN)

Exclusive new actuator developed by HDC Inc. Black Flat Actuator is ideal for HDC's link-pin attachment allowing compact power locking is smaller and flatter than traditional styles. Unique detachable nosepiece capability.

MES Red Actuator

Red actuators employ a unique spring detent feature. The spring detent holds the intended lazy action latch in its designated position. This feature is the principle used with many P.O.P Locks products.



D-Nose Black Actuator

Both red and other actuators share critical dimensions with non-spring detent allowing crossover components i.e.; bases covers and connecting linkages to be interchanged.

Before starting any work disconnect battery.

A: Triggering options:

1. Factory power locks as master.
2. MES power door locks as master.
3. Independent rocker switch.
3. Keyless entry on body only.
4. Pro Control master 3rd channel, cab/body independent.

B: Controllers managing the output:

Select location to install Controller. Recommended mounting high in the front compartment of drivers side. Pro Controllers should be installed in cab under dash within the reach of the valet buttons 36 inch reach of wire. Other locations will require optional feature wiring to be extended.

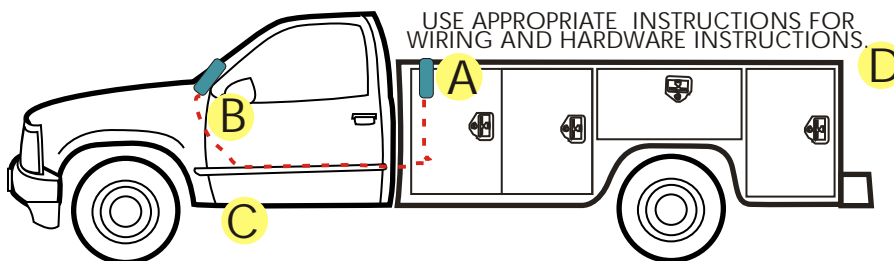
Controllers

PLW10-RC

PLW10

PLRB

Pro



C: Main power feed:

Fuse the beginning of main power feed starting at the auxiliary OEM power terminal. Ideally, run all new wires to Controller next to the factory wire harness in the frame rails using OEMs wire holders in frame rails. Drill the grommet and tie wire as needed.

D: Wiring recommendations:

Optional wiring kits include most components necessary to do a quality installation. The 2 provided gray jacketed wires include 3 trunk wires each. The trunk wires drop down to each door providing power to the actuator. Identify the longest of the two. This wire will cross over to the Controller. Starting at the rear door bring the first of the 3 branch wires to their intended location to the power lock to be mounted on the latch. Trunk wire should be run high in upper panel.

Factory Power Lock Interface

Rocker Switch Wiring Identification

FIG. A: Factory Ford Ranger power door lock switch.



This type of switch is held in place with friction keepers only. With slight lifting pressure the OEM switch lifts up, exposing the wires needed to be connected.

FIG. B: Below shows rear of OEM rocker switch.



These wires can be intersected in kick panel and then connect to the positive input of the PLRB Controller. If a negative trigger controller is used such as RC35 or TR910. The shown positive trigger will need to be converted to a negative. See Positive to negative instructions

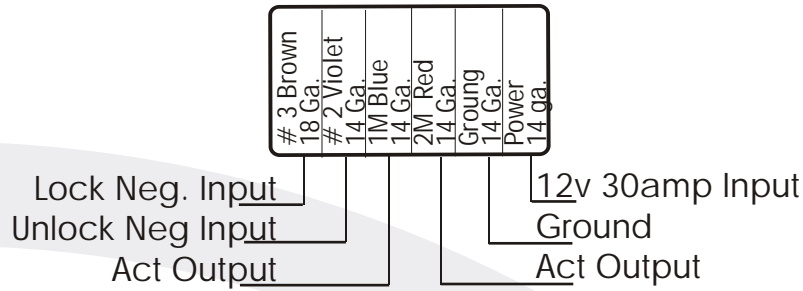
Black= Power + 12V
Pink/White=Lock (Positive)
Pink/Black =Unlock (Positive)

3 wire positive trigger relay driven system. These outputs can be used only for triggering a relay driven power lock system.

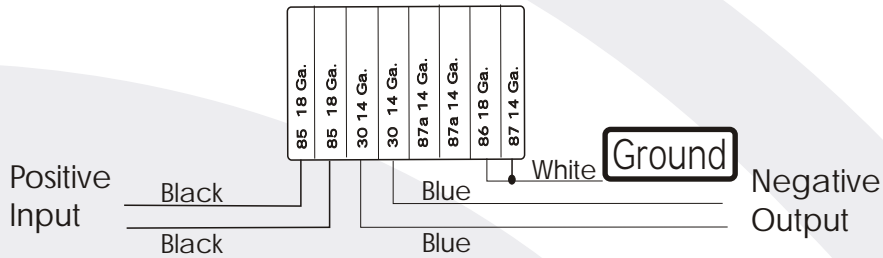
TR910, RC35 & PL910

Relay Schematic

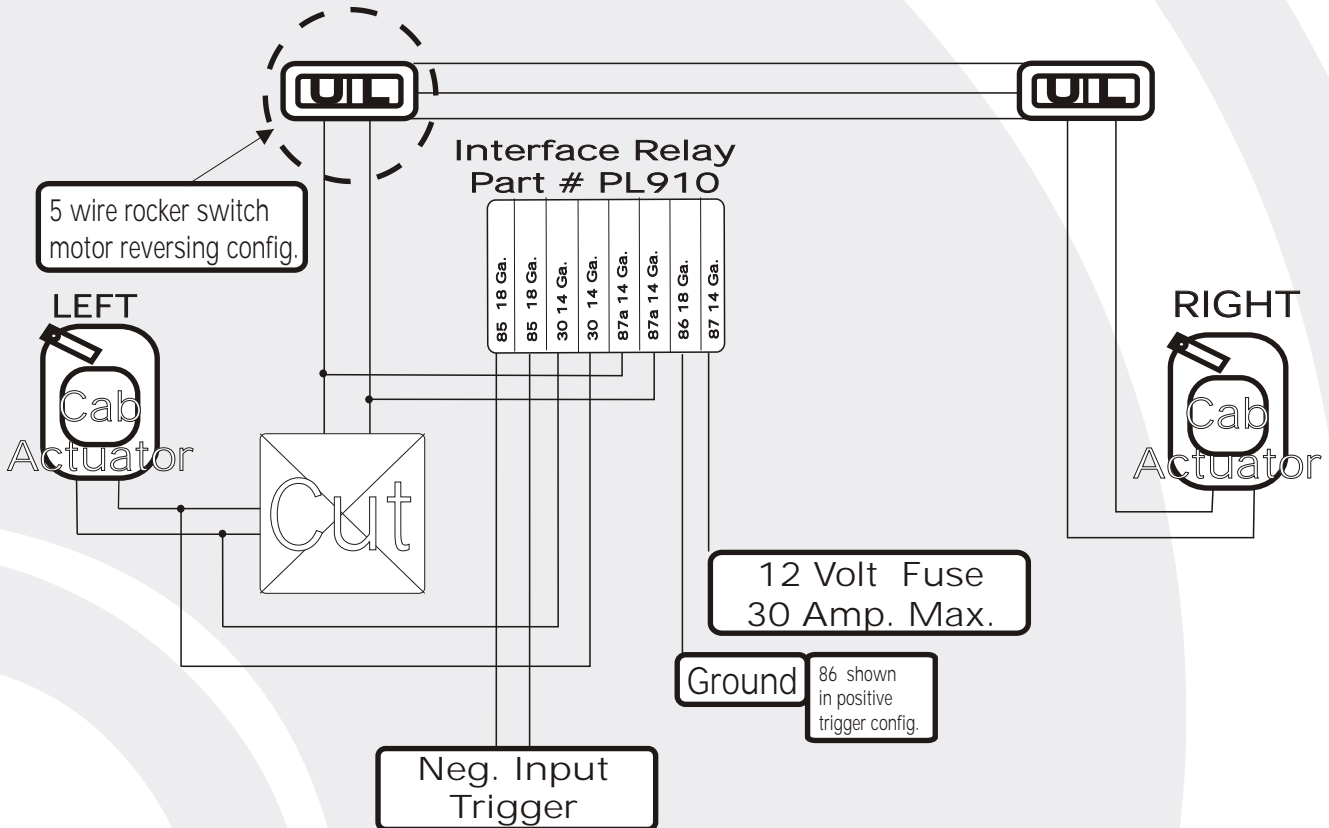
Part # TR910, RC35)Keyless Entry & Timed Relay)



Neg. to Pos. Converter part # PL910



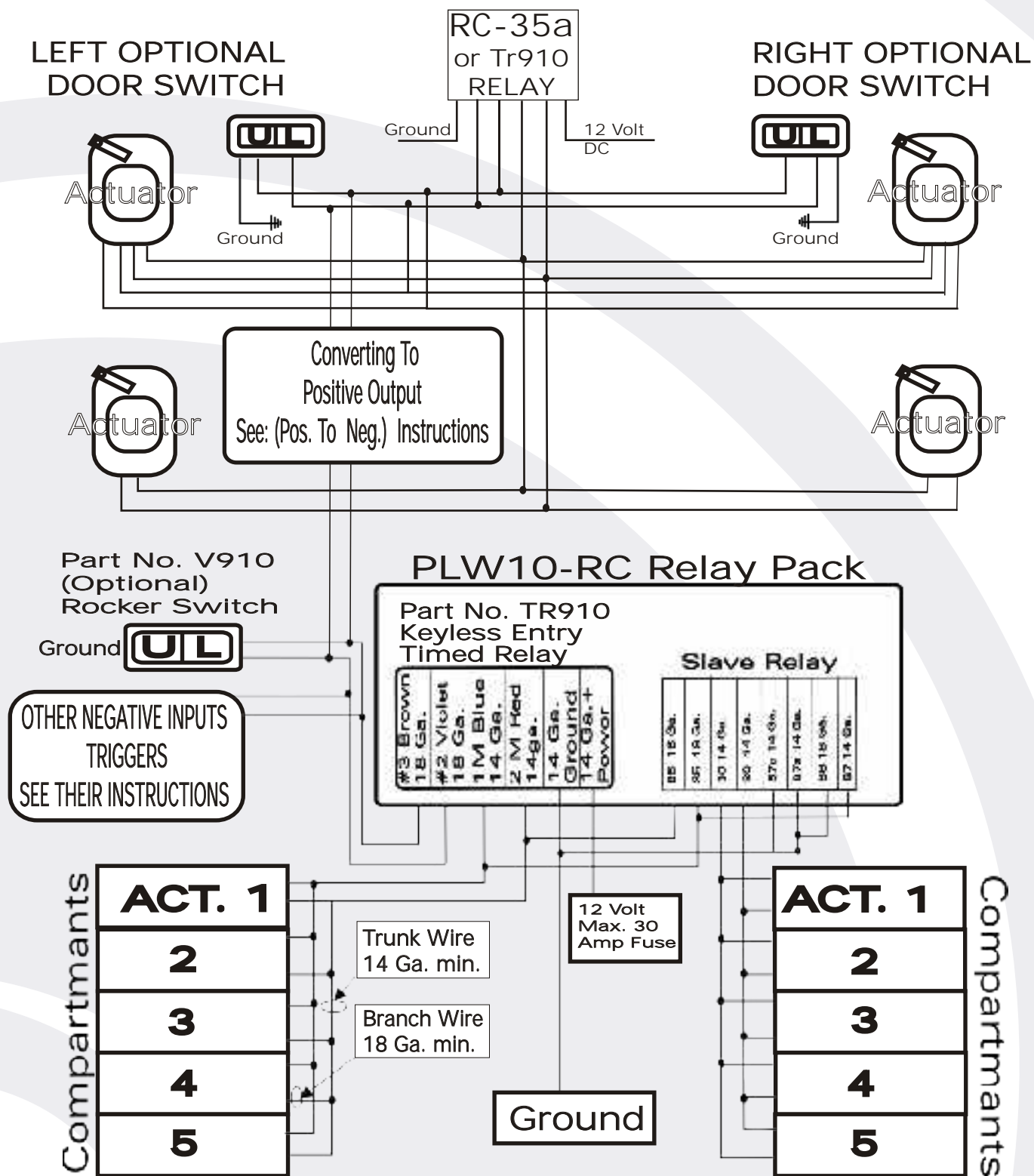
5 WIRE SWITCH INTERFACE SCHEMATIC



MES & Body Interface

4 Door Cab, 10 Door Compartment to Compartment Interface

Part No. MES4D or HD4D Power Locking Kit Shown W/RC35a Keyless Entry Relay

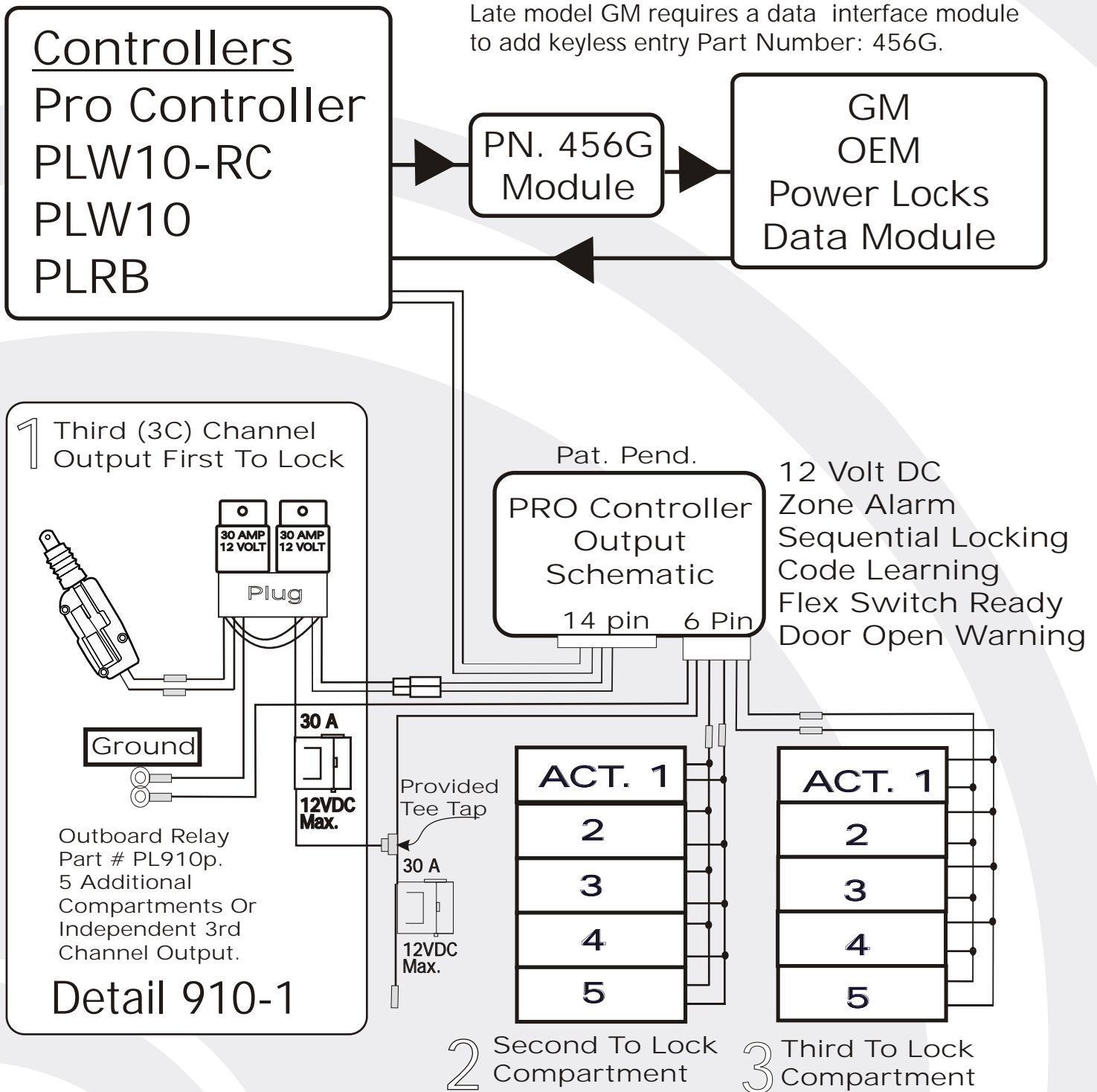


2003 GM Cab to Body Interface

Factory Power Locks as Trigger / Interface with Keyless Entry

TYPICAL RELAY DRIVEN CAB & DOOR SECTION

Late model GM requires a data interface module to add keyless entry Part Number: 456G.



Cab triggered power locking can be done on all vehicles. GM requires OEM actuator input wires be intersected.

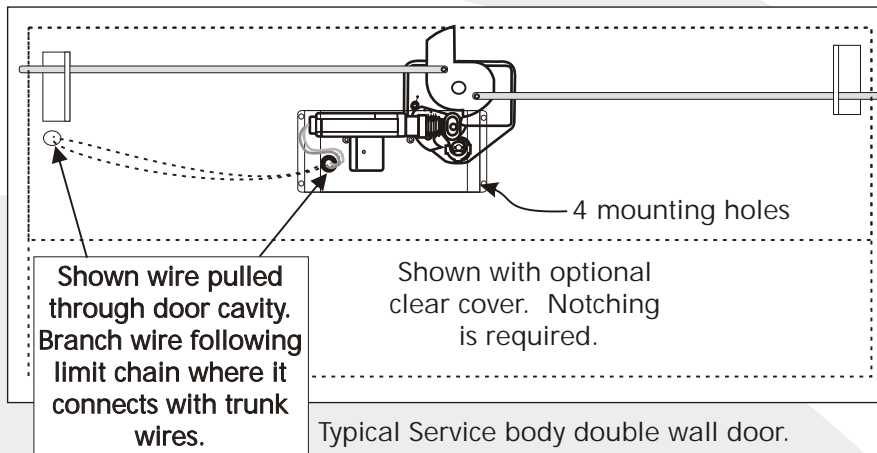
Power Locking Installation Instructions

Configuration

Compartment Wiring Notes:

1. To assure good wire passage locate door stiffener prior to drilling .
2. Install actuator. Be sure to use its specific instructions.
3. Confirm manual key lock works correctly prior to closing door.
4. Some door compartment configurations will require actuator placement to be other than shown. This installation is a linkage type and allows a wider range of actuator locations.

One of many latch configurations. Rear view of folding SST Handle.



TYPICAL RELAY DRIVEN CAB & DOOR SECTION

Late model GM requires a data interface module to add keyless entry Part # 456G.

Cab triggered power locking can be done on all vehicles. GM requires OEM actuator input wires to be intersected, see Fig. 1.0. All other vehicles with this interface can be done in the kick panel.

- ① OEM Release Rod
- ② Connecting Linkage
- ③ Actuator 5 Wire
- ④ Door Release
- ⑤ Kick Panel (must be removed)
- ⑥ General Location for Door Locking Relay
- ⑦ Door Lock Activation Via Shaft and or Key Locks. Rocker Switch is Optional.
- ⑧ Mounted Power Door Lock Rocker Switch
Note: Wire Colors for Location at Kick Panel.

