

HD-2D

Power Door Lock Kit

HD 2D: 2 and 4 Door Power Locking Kit



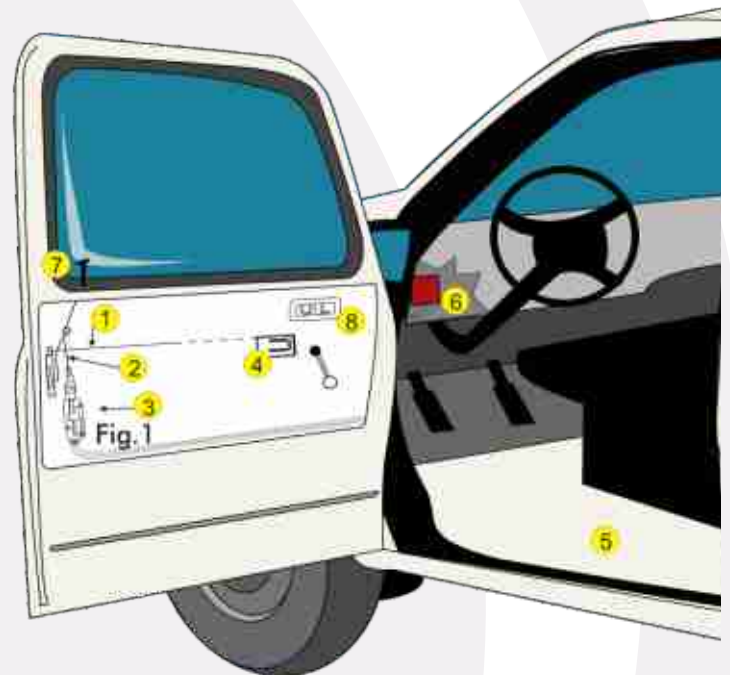
Keyless Fob Power Locking retro-fits to OEM door locking configurations and converts to power locking. Includes (2) key activated flat actuators, (2) T-25 Fobs, hardware, timed relay, wiring harness and installation instructions.

Section of HD Power Door Lock Installation Instructions

- 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.

The communication wire needing to exiting wire can be run under door threshold, exiting the cab by making a penetration or using a factory plug to transition the wires to the PLRB Controller. ideally converging with the power feed wire in the vehicles frame rail. Both wires ultimately terminating at the controller.

Behind kick panel is where the wires will need to be intersected for power locking communication.



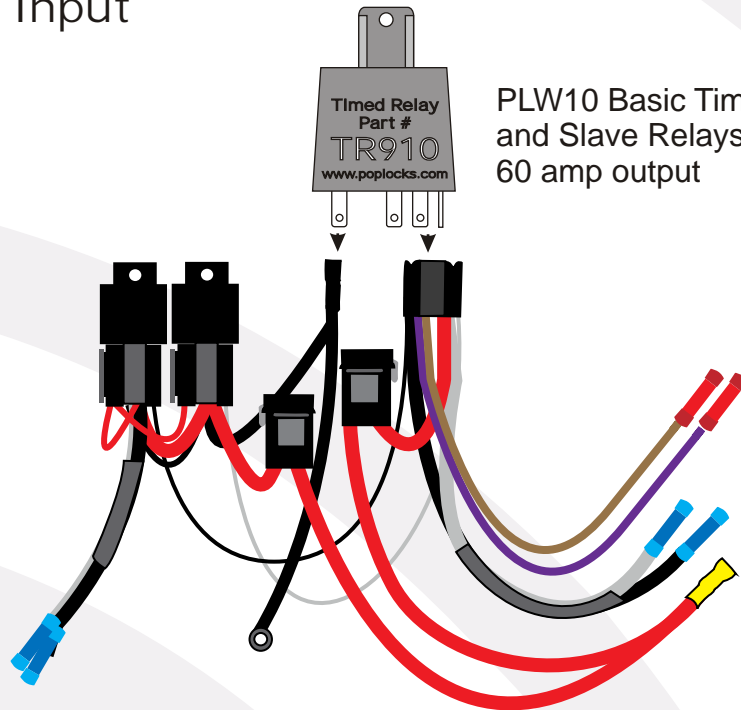
TR910 and RC35a

Relay Details

Trigger Options: Negative Input



Part No: TR910
Basic Timed Relay
Negative Trigger Input
30 amp output



PLW10 Basic Timed Relay
and Slave Relays
60 amp output

Trigger Options: Negative or Positive Input, Key Fob, Flex Switch



RC35a Rimed Relay
Negative or Positive
trigger input
30 amp output
Part No: RC35a

RC35a Keyless
Entry and
Timed Relay with
Slave Relays
60 amp output
Part No:
PLW10-RC

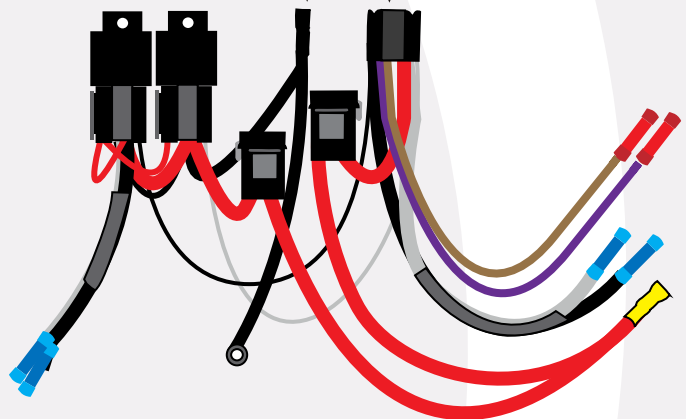
pat. pend.



Optional
Flex Switch™
Part No: RS2 or RS1
Wireless Switching

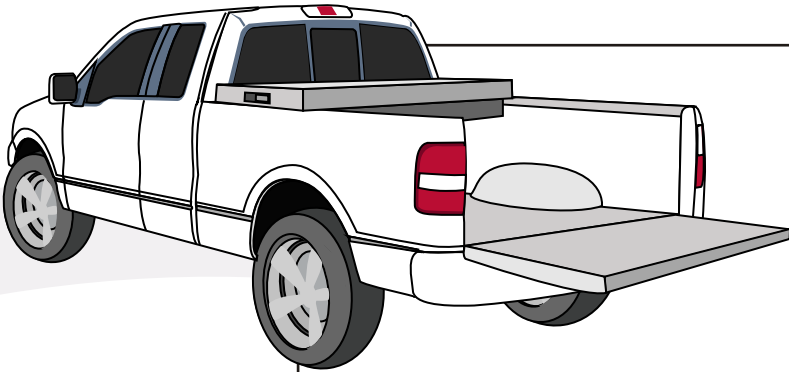


Part No: T25
Standard Fobs



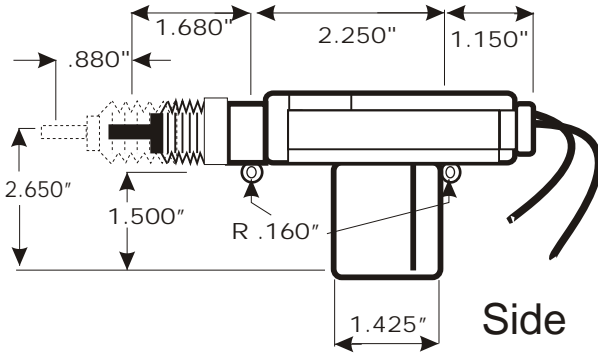
Tool Box Power Locking

Cross Bed and Side Boxes

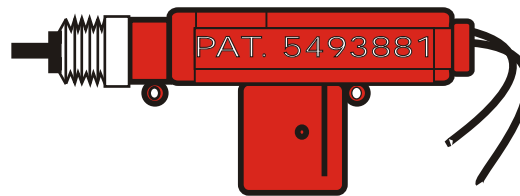


Converts Many of the Most Common Tool Boxes

Part #PLIV-PL801
Single Power Lock Kit.



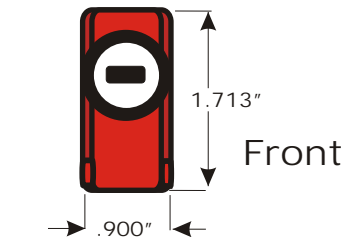
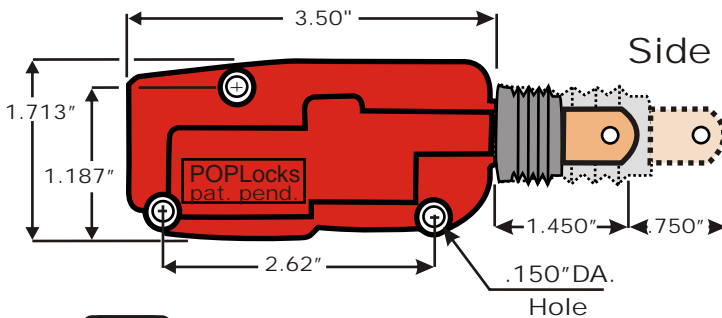
Red actuators employ a unique spring detent feature. The spring detent holds the intended lazy action latch in its designated position. This feature is the principle used with many P.O.P. Locks products.



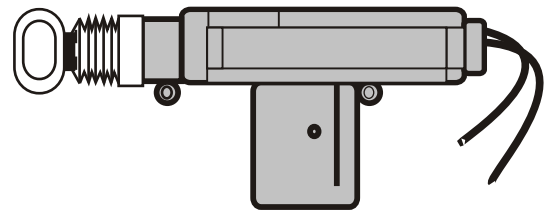
Red Body Actuator 2 Wire
Also In PD Series

Both red and other actuators share critical dimensions allowing crossover components i.e.; bases, covers and connecting linkages to be interchanged.

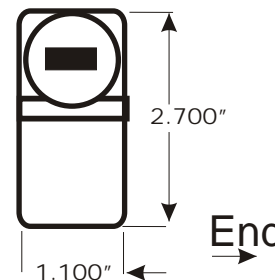
TECHNICAL SPECIFICATION HDC 12V ACTUATORS



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MES-Clutch Type,
Standard

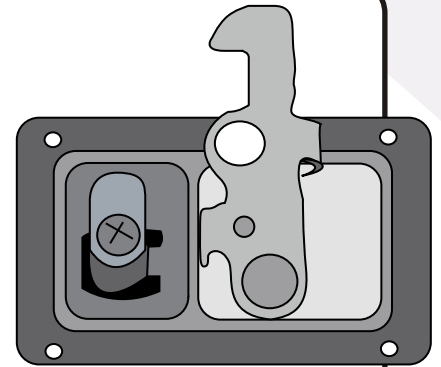
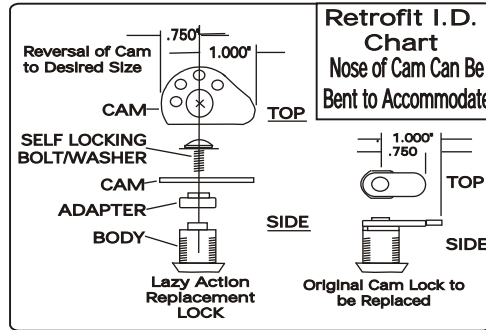
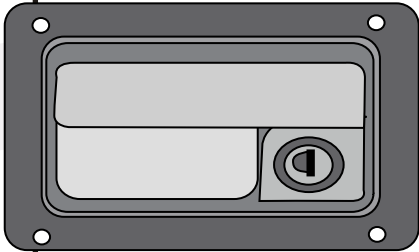


Actuator 2-5 Wire,
Also In PD Series

Basic Power Lock Install

Guide

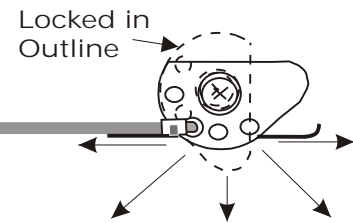
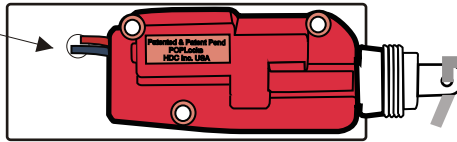
Replacement of Basic Cam Lock



Schematic of Actuator and Lock

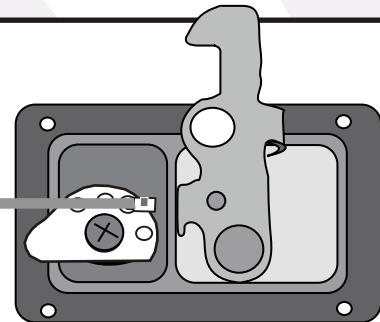
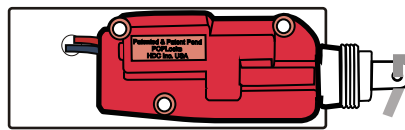
INPUTS: SEE WIRING INSTRUCTIONS

SEE INSTRUCTIONS FOR ADHESIVE BASE



180 Degree Optional Direction Location Actuator

Actuator and Latch Placement



Adhesive Base Information



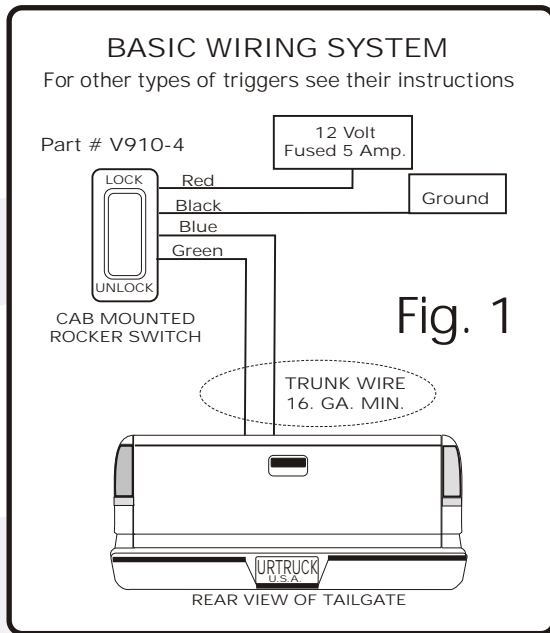
Remove Adhesive Covering

Attach Actuator To PL801 Base



Factory Power Lock Interface

Tool Box, Side Box and Tailgate Power Locking



WIRING INSTRUCTIONS

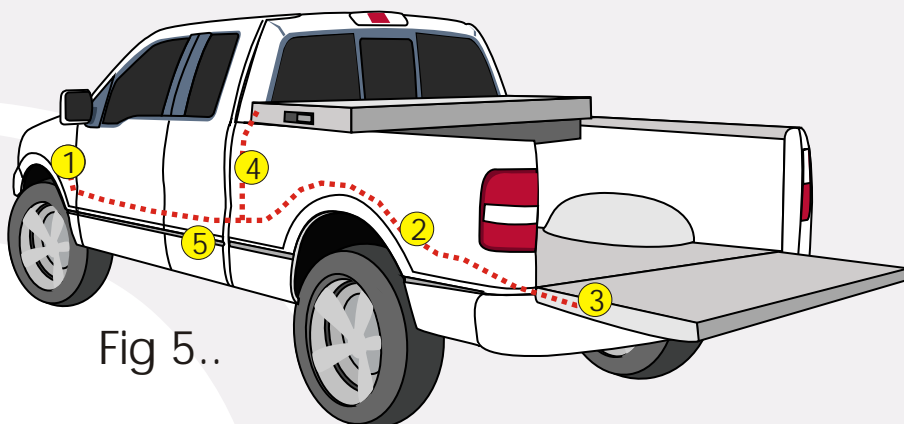
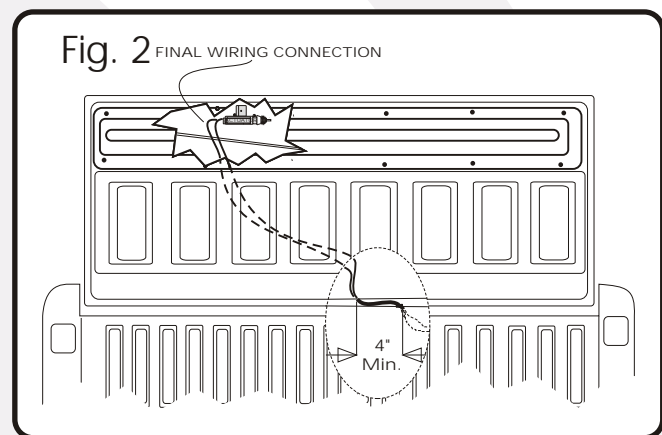
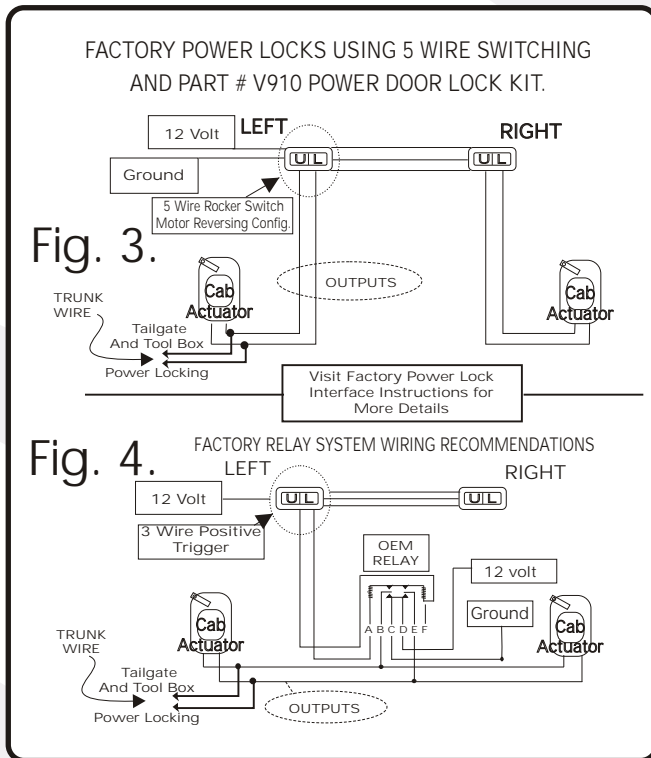
1. Intersect power lock output wires on either passenger or drivers kick panel. Connect trunk line to these wires (see FIG. 3 & 4). The wire should exit the cab through the fire wall or under the threshold. Next, with trunk wire follow factory wiring in frame rails to tailgate.
2. PRIOR TO DRILLING be sure the corresponding hole is a min. 4" away allowing the movement of the tailgate and preventing wire pinching. We recommend using a 1/2" snap grommet for the body and the tailgate. Also the use of 3/8" split loom to sleeve exiting wire.
3. Drill 1/2" hole to accommodate 1/2" snap grommet as shown in Fig. 1.

NOTE:

4. Complete circuit by connection trunk wire to actuator in tailgate as shown in Fig. 2.
5. Should tailgate actuator act out of sequence to the truck power door locks, reverse the wires connected to the tailgate actuator.
6. Be sure all wires penetrating metal or sharp edges are protected. Fasten all wire with wire ties, and maintain a safe distance from hot exhausts.

TESTING:

7. Cycle all triggers and recheck all screws and wire connection prior to covering access.



- 1 See: Cab to Body Interface Instructions
Drivers or passengers kick panel will need to be removed to access OEM power door lock wires
- 2 Trunk wire to tailgate No.16 Ga. wire minimum
- 3 Grommet all penetrations and wire tie to existing wiring harness
- 4 See PL and Flat Act power lock I.D. for appropriate locking
- 5 The average trunk wire from cab to tailgate