

HD-2D

Power Door Lock Kit

HD 2D: 2 and 4 Door Power Locking Kit



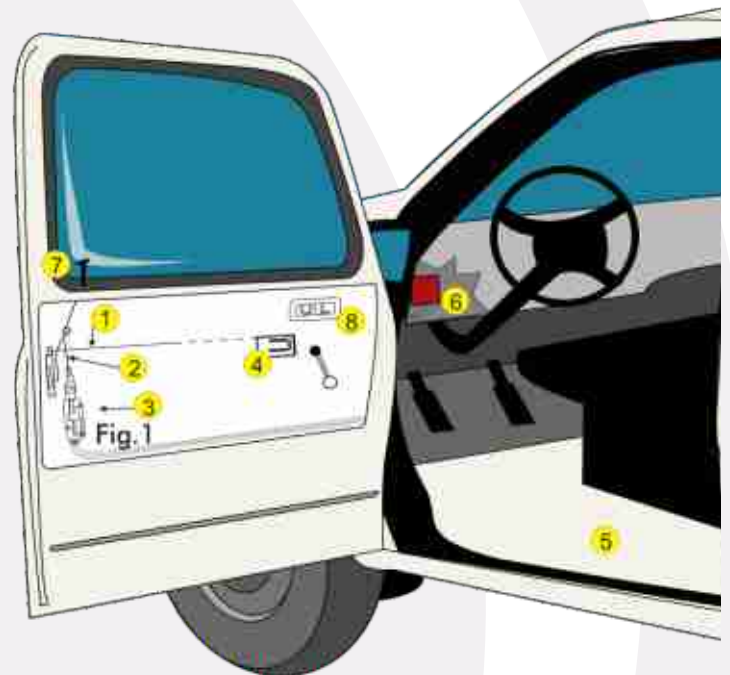
Keyless Fob Power Locking retro-fits to OEM door locking configurations and converts to power locking. Includes (2) key activated flat actuators, (2) T-25 Fobs, hardware, timed relay, wiring harness and installation instructions.

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.

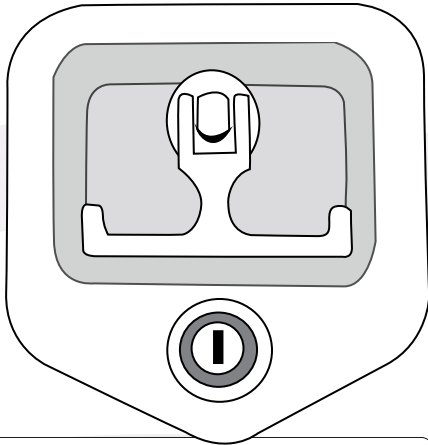


SST Handle Power Lock Options

HDC's Power Lock Options with New Act

SST Handle Latch

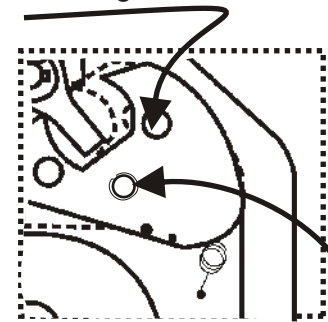
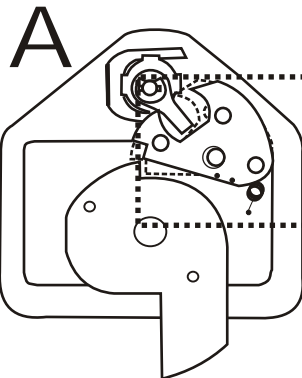
Front of Latch



Power lock shown with Tee Handle latch, is HDC's universal Black Act actuator. Works with all power lock capable hardware.

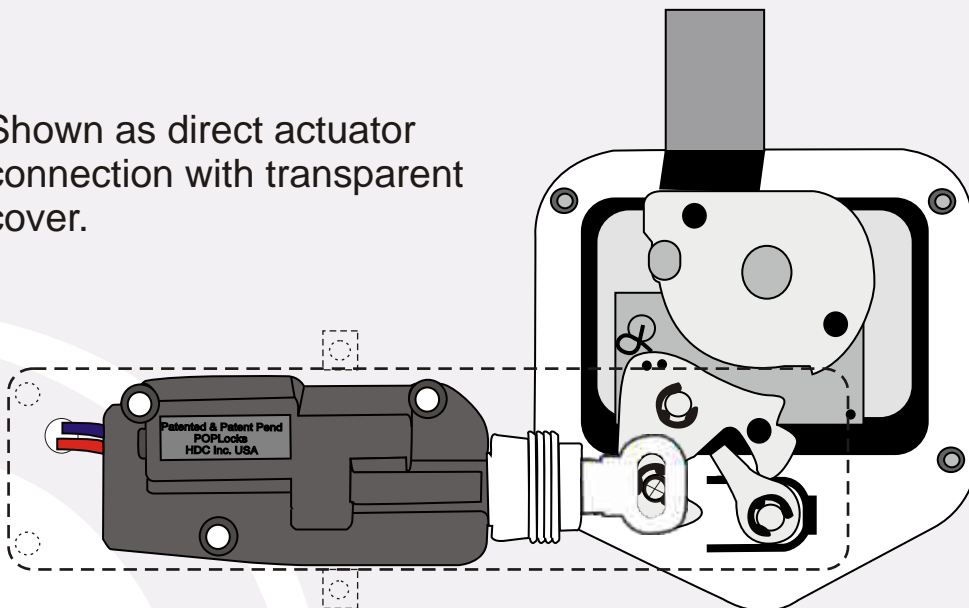
1. If needed, install "Linkpin" as shown in Fig. A
2. With actuator mounted to clear cover, locate optimum installation location.
3. Before mounting, be sure key over-ride works correctly and actuator is traveling full stroke.
4. Attaching cover with screws completes its install.

Confirm Linkpins location before removing lock cam.



Remove E clip then cam next install linkpin once Linkpin and E clip are in place re-install cam.

Shown as direct actuator connection with transparent cover.



BADN-LP1C2

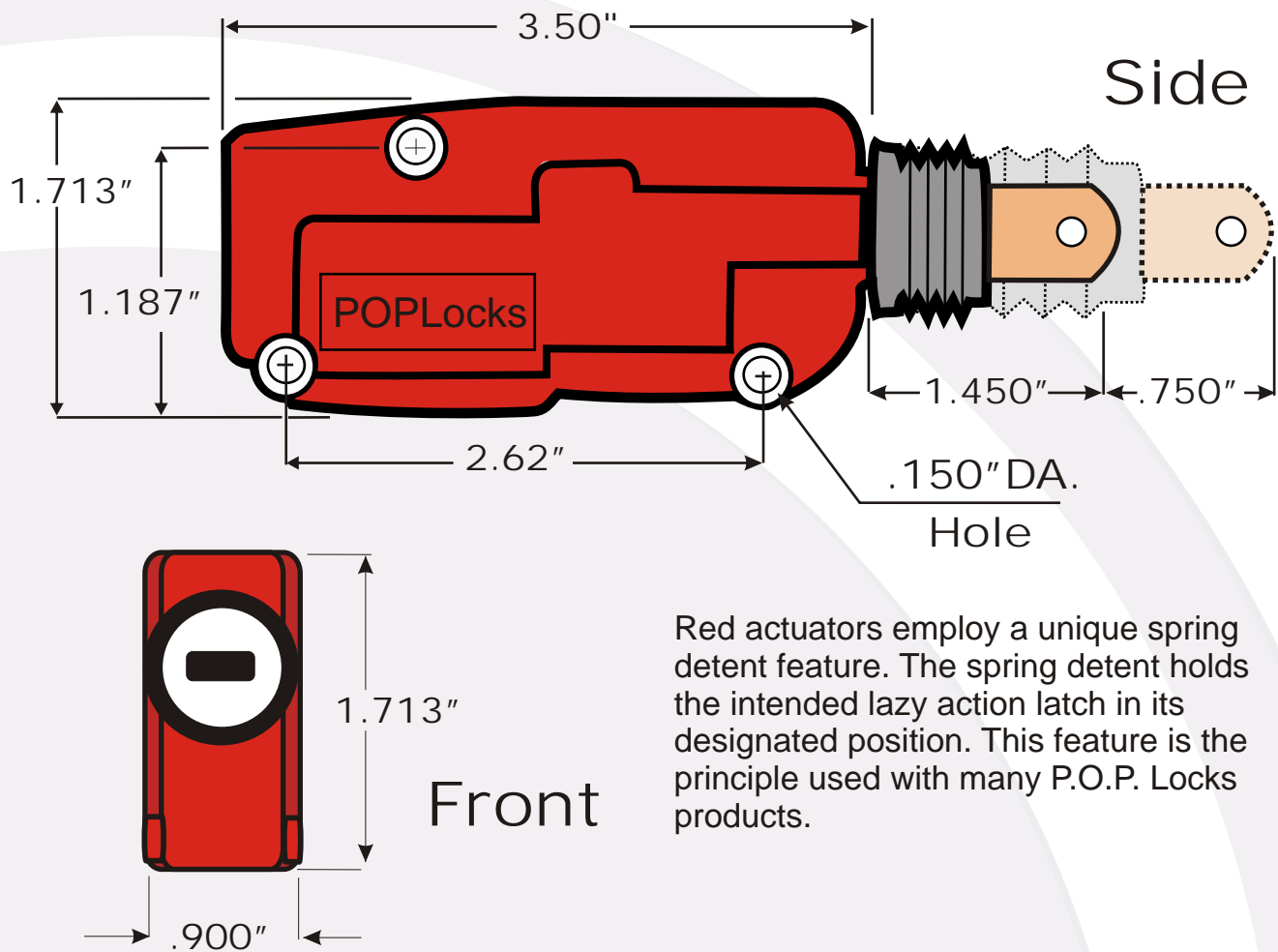
Kit Includes:

Black Actuator
D-Nosepiece
Connecting Linkage
Mounting Hardware
Short Linkpin (LP1)

Actuator Data

Unique new actuator with interchangeable nosepieces

TECHNICAL SPECIFICATION HDC 12V ACTUATORS



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.

For More Information Regarding
Technical Specifications See:
TECHNICAL SPECIFICATION
HDC ACTUATORS
Flat Act Specs

Power Locking Installation Intro

How To Get What I Need.

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.

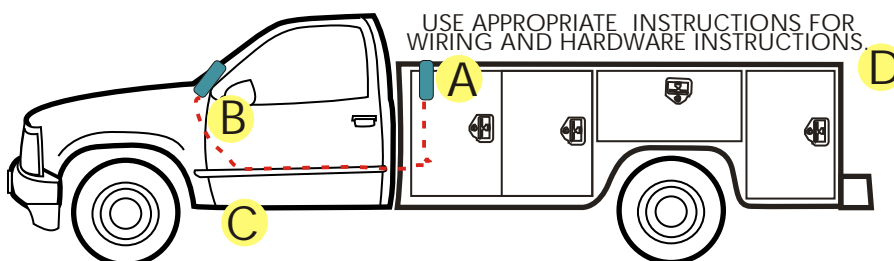
Controllers

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.

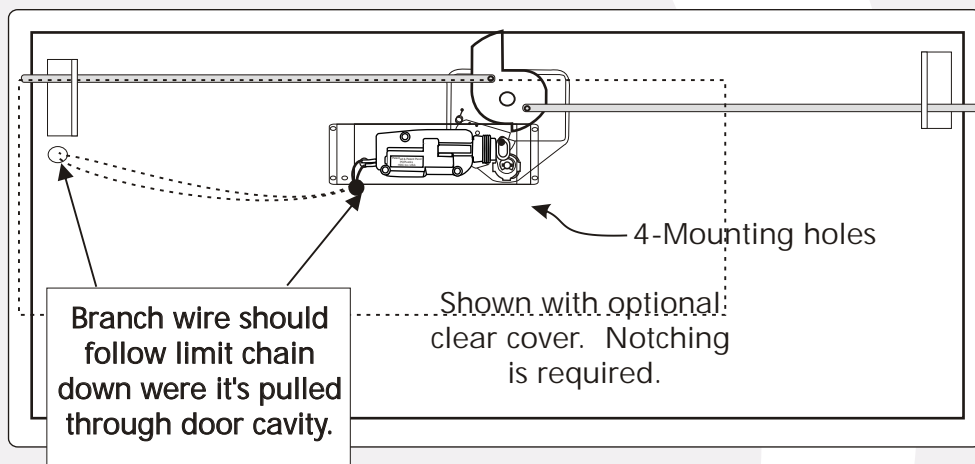
D: Wiring recommendations:

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.

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 Service body double wall door.

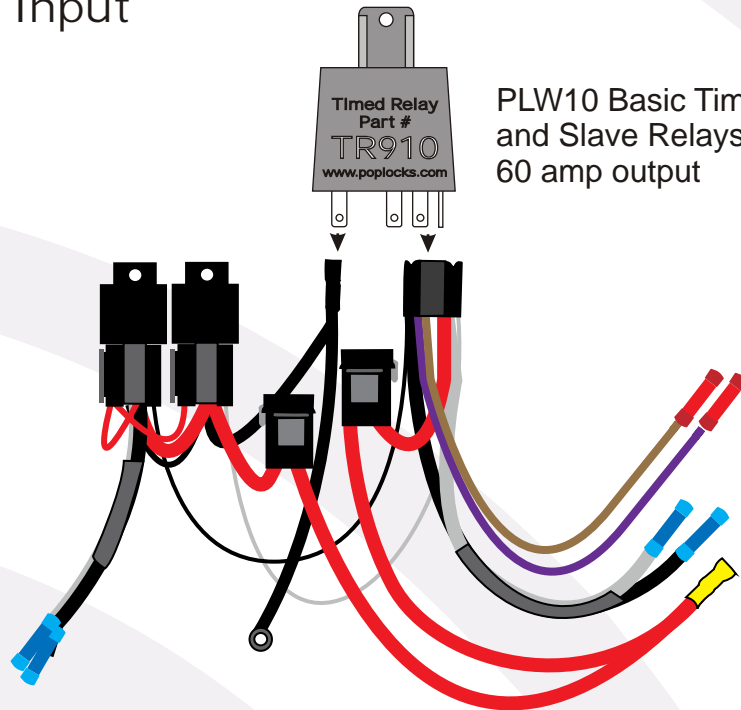
TR910 and RC35a

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

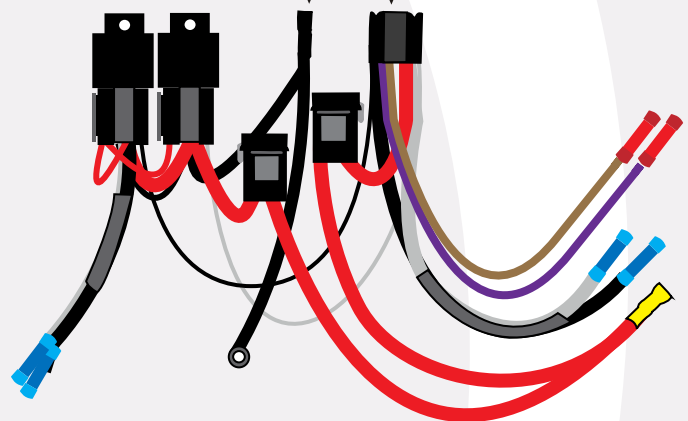
RC35a Keyless
Entry and
Timed Relay with
Slave Relays
60 amp output
Part No:
PLW10-RC



Optional
Flex Switch
Part No: RS2 or RS1
Wireless Switching



Part No: T25
Standard Fobs



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

