Document Title

GUIDE, QUICK START, POWERBOX, VAC4, HARDWARE INSTALL

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1. Material:

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2. Artwork:

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ProwerBox** Installation Guide The device complex with Part 15 of the FCC Rules and Industry Canada License-Exempt RSS Standard(s). Contains in salect to the following two conditions: (1) This device must accept any indicate the must interference in the conditions submitted in the conditions are considered and contained any indicate the must interference in the conditions are considered any indicated the must interference in the conditions as when the conditions are considered any indicated the must indicate the conditions are considered any indicated the must indicate the conditions are considered and conditions submitted. (2) This device must accept any interference in review, including interference that many cases undestined any indicated the conditions are considered and interference interference in the conditions are considered and interference interferen

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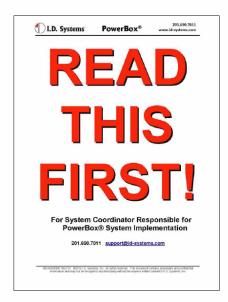
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Note: This publication is intended to provide the general knowledge needed to install the Vehicle Asset Communicator (VAC). Since vehicle designs vary widely throughout the industry, this guide focuses on providing comprehensive instruction for a "typical" installation method instead of tailored instructions by vehicle model.



9ystem coordinator and installers should first refer to the PowerBox VAC4 Getting Started Guide for complete product overview.



Select an appropriate location to perform the vehicle installation. Ideally, a well-lit, open area where the vehicle can be test driven for about 5 seconds forward and then 5 seconds in reverse once the installation is complete.

3 Confirm that the vehicle kit is complete.

Component	Description	Qty
Vehicle Asset Communicator (VAC)	Black box with LCD screen and keypad	1
VAC mounting bracket	VAC Bracket	1
Vehicle hardware kit	VAC Bracket rear mounting plate, grommet, screws and nuts	1
VAC cable	6' to 18' fused cable (wired or OEM harness)	1
Relay kit	Small bag with two (2) relays and various fast-ons, etc.	1
Impact sensor	Square plastic device with integrated 12' cable	1
Electrical installation kit	Cable ties, ring terminals, etc.	1

4 Gather recommended installation tools.

Vehicle electrical diagram	17/64" (7 mm) drill bit
Multimeter and clip leads	11/32" (9 mm) drill bit
Allen wrench set	1-1/4" (32 mm) Holesaw
Metric socket set	Wire stripper/cutter
Metric combination wrench set	Utility knife
Phillips and flathead screwdriver set	Pliers
18 AWG wire	Electrical tape
Butt splices	Flashlight
Spare fuses (supplied in the Open Me First box)	
IDSY's Diode Splitters (supplied in the Open Me	First box)

NOTE: In addition to the recommended installation tools listed above, tools to be used for dismantling the vehicle body and potentially removing the vehicle battery will be needed.

By following these installation guidelines, the aftermarket installation of the I.D. Systems VMS hardware does not void the vehicle manufacturer's warranty.

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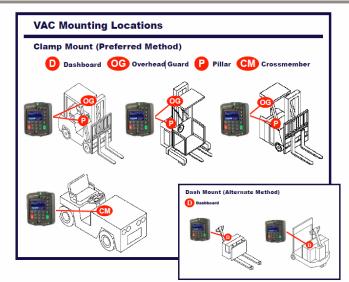




Choose the VAC mounting location.

VAC Mounting Location Considerations:

- Whenever possible, mount the VAC bracket to an available beam, pillar, overhead guard, or cross-member using the "Clamp Mount" method.
- Vehicle operator must be able to view the VAC display and access the keypad while positioned for normal vehicle operation.
- Do not obscure the operator's line of sight or prohibit accessibility to the vehicle controls.
- Mount the VAC within physical range of vehicle connections and within 12 feet of the impact
- Limit the risk of cable damage by routing cables through the vehicle body. Whenever possible, use existing cable paths.
- Keep the VAC and VAC bracket inside the overall dimensions of the vehicle to avoid damage.
- Install the VAC and cable in a manner that will not interfere with routine vehicle operation.



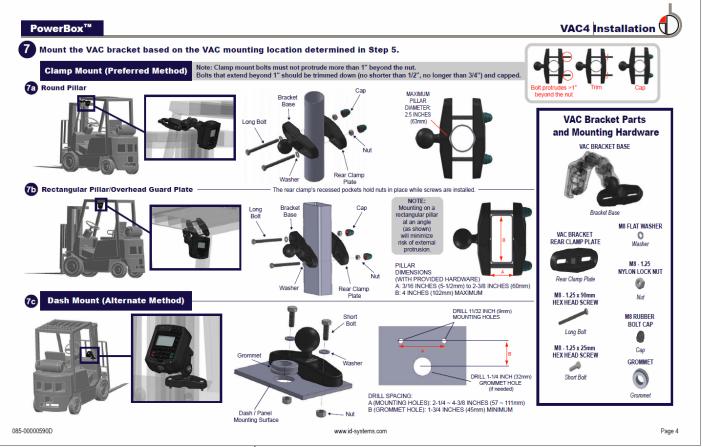
6 Loosen the bracket arm bolt so that the VAC adapter plate and bracket base plate can be adjusted.



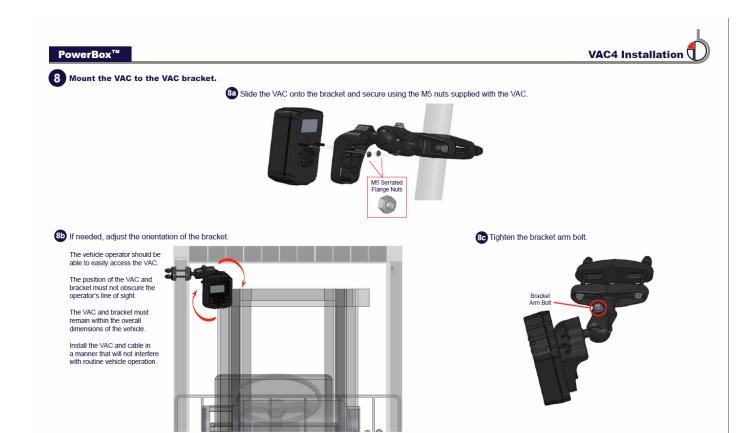
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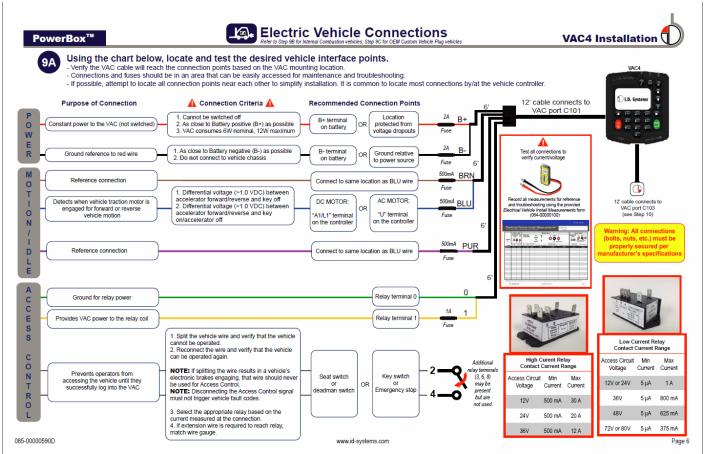


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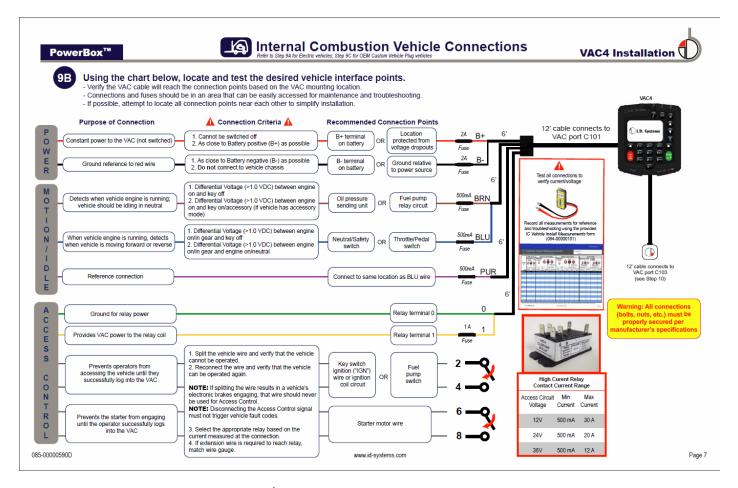
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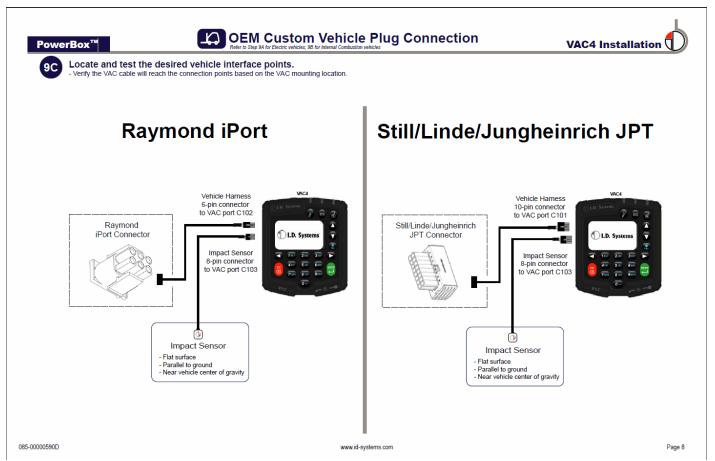
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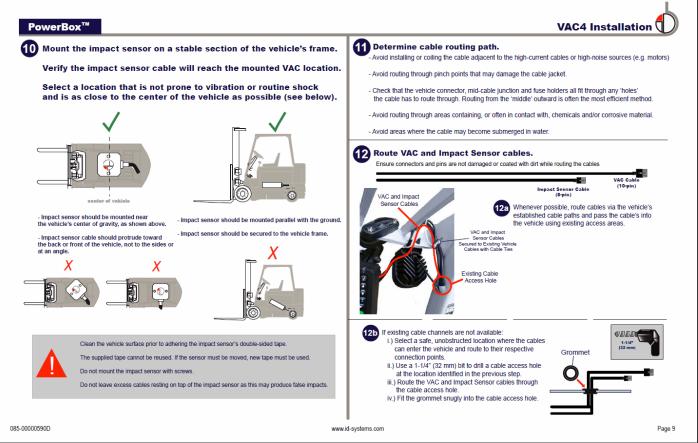
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Mount the external relay required for vehicle Access Control.

External Relay Mounting Considerations

Mount the relay to a solid surface of the truck.

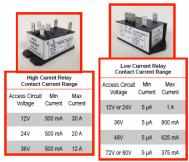
The mounting location should be dry, away from extreme heat, and as close as possible to the circuit that is being interrupted to avoid excess wire routing.

To avoid short-circuits, make sure no relay contacts remain exposed. Protection caps must remain installed on unused pins.

Never mount the relay near extreme magnetic or high current areas.

The relay is mounted to the vehicle using the supplied hardware, typically via screw mount. If tape-mounting is desired, use a wide-temperature-range VHB tape, and the vehicle surface must be cleaned.



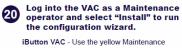


NOTE: If neither of the two relays provided meets the current/voltage requirements of the installation, contact I.D. Systems Technical Support at 201-690-7011. (18) Wire the cable to the connection points determined in Step 9.





19 Reassemble the vehicle so it can accommodate a test drive.



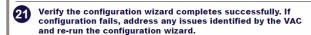
Contactless reader VAC - Enter the Maintenance operator ID and password using the VAC keypad

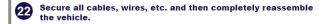
Maintenance ID: 7262468 Maintenance password: 2378

Master ID: 7278737 Master password: 5915



If needed, refer to the PowerFleet Hardware User's Guide for details on running the configuration wizard and routine troubleshooting.





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