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Installation Instructions
Dual battery Tray
07-11 Wrangler & Unlimited
Part # 2799

Please read instructions entirely before installing this product. Wiring is not included with this part and should be done by an experienced technician. This part is designed to work with Optima Class 34, 34/78 batteries.

Parts Included	Qty
Dual Battery Tray	1
Fuse/Power Box Bracket	1
Battery Strap	1
"J" Bolt	2

Parts Included	Qty
"J" Bolt Nut	2
Flat Washer	3
Hex Bolt	3
Spacer	3

Step 1: Disconnect the battery negative cable (-) and then the positive (+) cable. Remove the ground connected to the stud on the inner fender. Remove the bolt on the bottom front of the battery (Fig A) Remove the battery.

Step 2: Remove the Air filter box by first loosening the hose clamp then pulling the intake tube off of box. Remove side vent hose off of box also. Pull up/out air box. (It may take some wiggling to come loose) Fig B



(Fig A)



(Fig B)

Step 3: Remove the bolt holding the power steering reservoir on and move to the side. (Fig C)

Step 4: Remove the power junction connector from the factory battery tray base (Fig D)
Then proceed to disconnect the EVAP solenoid connector and slide off of the tab on the base.(Fig E)

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(Fig C)



(Fig D)

Step 5: Push and release the four tabs (2 per side) the hold the fuse box onto the OEM bracket. (Fig F)

Step 6: Lift the fuse box upward and carefully lay over the side of vehicle (Fig G)

Step 7: If you have any connectors attached to the fuse box bracket remove them. (Fig H) then remove the Four bolts that secure the fuse box bracket, and remove bracket. (Fig I,J)



(Fig E)



(Fig F)

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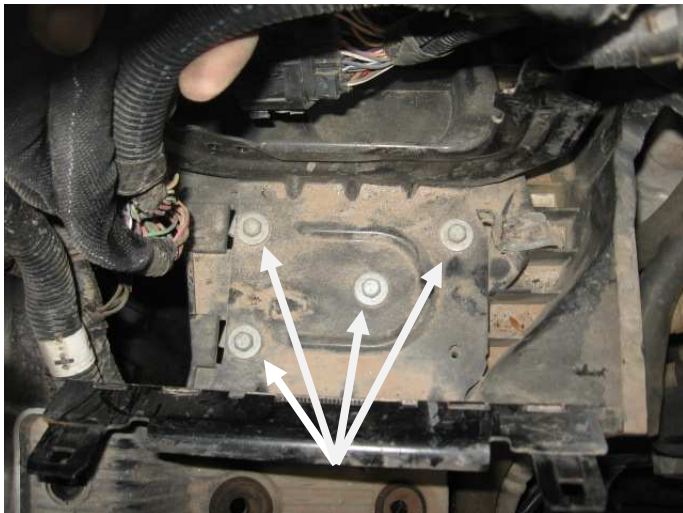


(Fig G)



(Fig H)

Step 8: Remove the factory battery tray by removing the 3 nuts that hold the back of the tray onto the firewall and 4 bolts that secure it to the engine compartment area. (Fig K) Use care when removing from the vehicle. It will take some wiggling and turning to get it out.



(Fig I)



(Fig J)

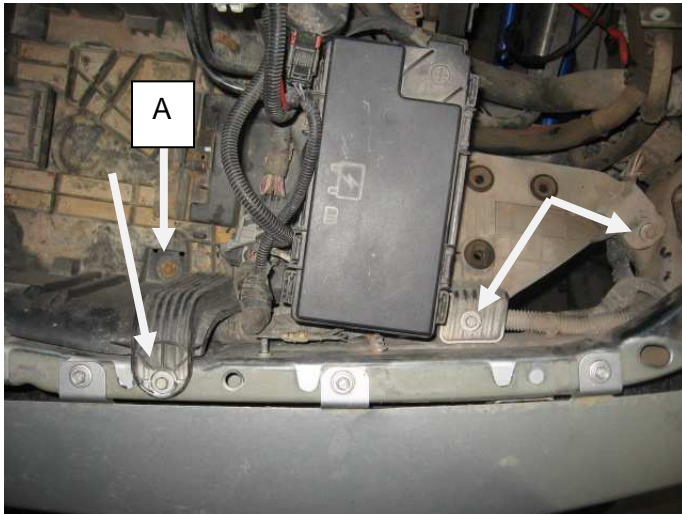
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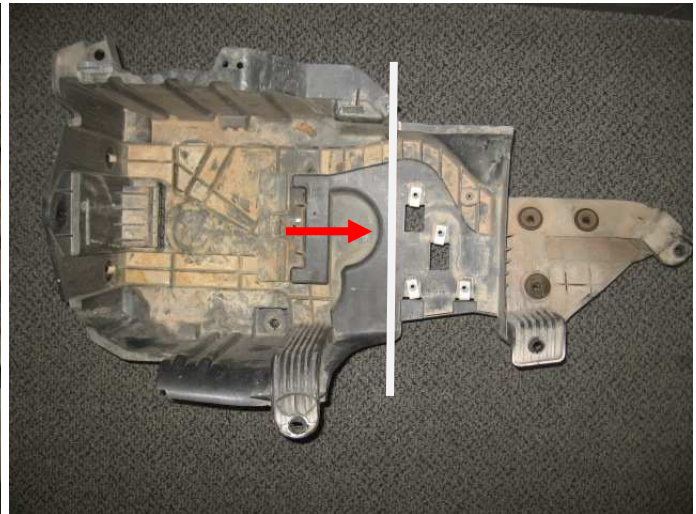


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(Fig K)



(Fig L)

Step 9: You will need to cut your factory batter tray. Measure back approx 1” from the back 2 mounting holes on the fuse box area, mark a line and cut using a reciprocating saw or similar tool. (Fig L)

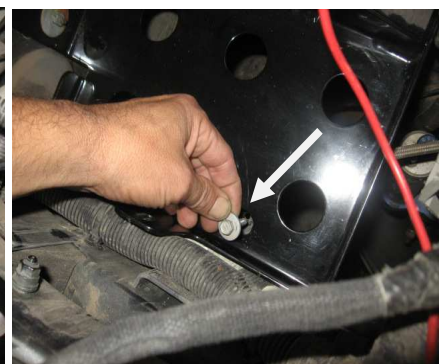
Step 10: Install the 3 included spacers over the 3 mounting studs on the firewall. (Fig M) Install the new battery tray on the studs and secure with the factory nuts you removed and bolt “A” in step 8. (Fig N, O)
Note : Due to manufactures variances you may need to open up the hole the bolt goes through in Fig O



(Fig M)



(Fig N)



(Fig O)

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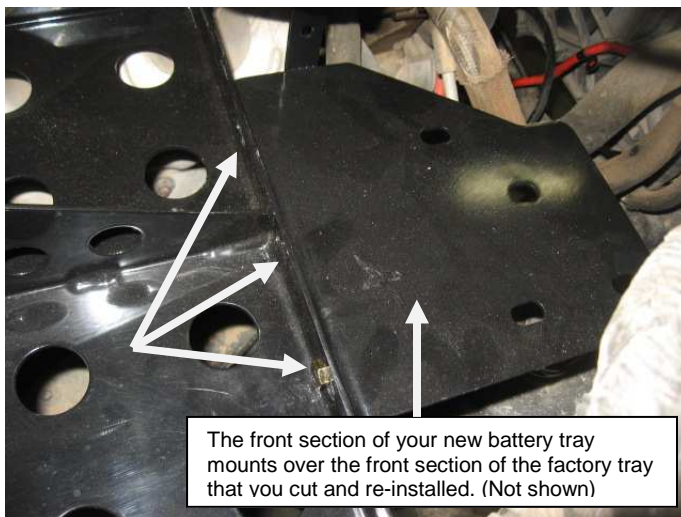
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Step 11: Re-install the front section of the factory battery tray that you cut in step 9 using the front two factory bolts you removed in step 8. Then install the front section of your new battery tray over this using the included 3 bolts/washers. (Fig P) Now install the factory fuse box bracket on top of the front of the new battery tray using the factory hardware. (Fig Q) Reinstall the factory fuse box onto the factory bracket. Make sure all hardware is now completely tightened.



(Fig P)



(Fig Q)

Step 12: Install your batteries and secure using the included "J" bolts, nuts and battery hold down bracket. Note: It is easier if you loosely attach the "J" hooks to the battery tray before you install the batteries. (Fig R,S,T)



(Fig R)



(Fig S)

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(Fig T)



(Fig U)

Step 13: Slide the EVAP solenoid over the tab on the new battery tray. Reinstall the air filter box/hoses and power steering bracket bolt you removed in step 2 and 3.

Step 14: Installation is now complete. Connect batteries to the configuration that you want. This should be done by an electrical specialist technician. You can hook up one of the batteries to the original connection in order to make the vehicle drivable.



Make sure all plugs/cables are reconnected and that no hoses, wires are out of the way of any hot or running parts in the engine compartment. You may need to zip tie cables away in order to hold in place.

Related Smittybilt Products



Winches



Black Box (#2806)



Winch Cradle (#2811)

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Customer's remedy hereunder shall be limited only to repair or replacement (at Smittybilt's option) of any defective part(s) returned to Smittybilt at customer's expense. The determination of whether or not a returned part is defective or subject to coverage under the limited warranties stated herein shall be made at Smittybilt's sole discretion.

Limited Five (5) Year / 50,000 Mile Pro-Rata Warranty (whichever occurs first) on Dual-Stage Powder Coating Products -

Smittybilt dual-stage powder coated products carry the foregoing limited repair or replacement warranty for a period of (5) years or 50,000 miles (whichever occurs first) from date of purchase against workmanship and defects in the material, provided that any claim submitted after (2.5) years from date of purchase shall, if accepted, be satisfied by Smittybilt offering customer a credit on the purchase of a replacement product equal to fifty percent (50%) of customer's initial purchase price.

To assure product quality, Smittybilt reserves the right to change product design, material, specification and finishes without prior notice to customers. This limited warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply as to you. Also, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Smittybilt reserves the right to discontinue product lines and substitute products, or provide other remedies than those listed in this limited warranty for those discontinued products.

Warning

Rollover and other types of vehicle accidents may result in serious injury or death to you, your passengers and others sharing the road. Smittybilt accessories are decorative and are not intended to reduce or avoid injury or damage in the event of an accident. The weight and location of Smittybilt accessories may affect your vehicles' handling, stability and performance, creating an increased risk of accident or rollover. Before installing any accessory, check state laws and assure that the accessory will not obscure any lights or interfere with proper operation on your vehicle's safety equipment. Consult your owner's manual and the Smittybilt instructions, or additional safety information. Smittybilt products, nor the warnings contained herein, are not a substitute for your safe driving. Don't drink and drive, always use seat belts and don't drive faster than conditions permit.

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