

Dual Battery Tray Installation Instructions CJ/YJ 1970-1990 (No Drill Application)

Contents:

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|---|----------------------------------|
| (1) Dual Battery Tray | (3) Threaded "J" Hooks |
| (1) Firewall Support Bracket | (3) Nylon Flat Washers |
| (1) Inner Fender Brace (YJ) | (3) Wing Nuts |
| (1) Diagnostic Plug Bracket (YJ optional) | (1) Battery Retainer Bar |
| (1) Fender shield | (7) Bracket 10mm Hex Nuts |
| (2) Phillips Head Screws | (1) 14mm Support Bracket Hex Nut |



Step 1: For CJ applications remove Jack and tire tool. These items will need to be relocated. If desired the handle can be shortened by 4" and secured back in the original location.

Step 2: Disconnect Battery by removing the NEG (-) cable first and then the POS (+) connector. Remove battery from tray.

Step 3: For YJ applications remove relays by releasing holding tabs. This can be done using pliers. If the vehicle is equipped with diagnostic plugs disconnect at this time.

Step 4: Unbolt old tray and remove. Retain all mounting bolts and any clips. They will be reused.
 For CJ applications remove lower tray braces.

Step 5: For YJ applications (if equipped) remove and relocate emission vent sensor and vacuum 4WD indicator assembly. Relocate to stud located above and to the right on firewall.

Step 6: For YJ applications install fender brace to three studs on bottom of Dual Battery Tray. Use 10mm hex nuts (do not tighten).

Step 7: Install Fire Wall Support Bracket to Dual Battery Tray with 14mm Hex Nut (do not tighten). Install lower fender shield using two 10mm Hex Head Nuts. Plate attaches to the bottom of Dual Battery Trays front right corner. Secure nuts.

Step 8: Install Dual Battery Tray to vehicle. Reuse mounting bolts removed in step 4. Adjust tray as needed and tighten all bolts and hex nuts at this time.

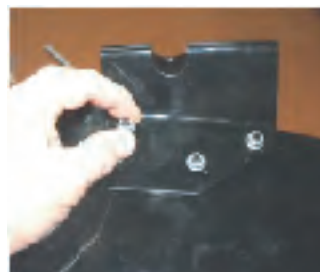
Step 9: For YJ application install supplied Diagnostic Plug Bracket if needed. Harness should be pulled to the right side of tray. Feed plug through opening in bracket and attach with supplied screws.
 If equipped, snap relays into Diagnostic Plug Bracket.



Step (2)



Step (4)



Step (6)



Step (8)

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- Step 10: Place one "J" hook into the center hole of the Dual Battery Tray.
- Step 11: Insert the other two "J" hooks into the left and right holes of the Dual Battery Tray. The hooks should be facing outwards, away from the Tray.
- Step 12: Place batteries onto Tray. Place Battery Retainer Bar over batteries and align holes with "J" Hook. Place Nylon Flat Washer and Wing Nut onto "J" Hooks and tighten Wing Nuts evenly. Place Red protective caps onto the ends of the "J" Hooks. "J" Hooks can be trimmed if needed. Some batteries may need to have plastic lower lips notched to allow proper fitment.

Step 12: Install battery cables starting with POS (+) cables first. Refer to instructions supplied with Dual Battery Relay for further wiring for dual battery setups. See drawing for possible layout.

