



ALUMINUM BATTERY BOX INSTALLATION INSTRUCTIONS

048100 Series (Odyssey PC1500, Optima Red Top, Yellow Top, 34/78, 75/35/25 Group Batteries)

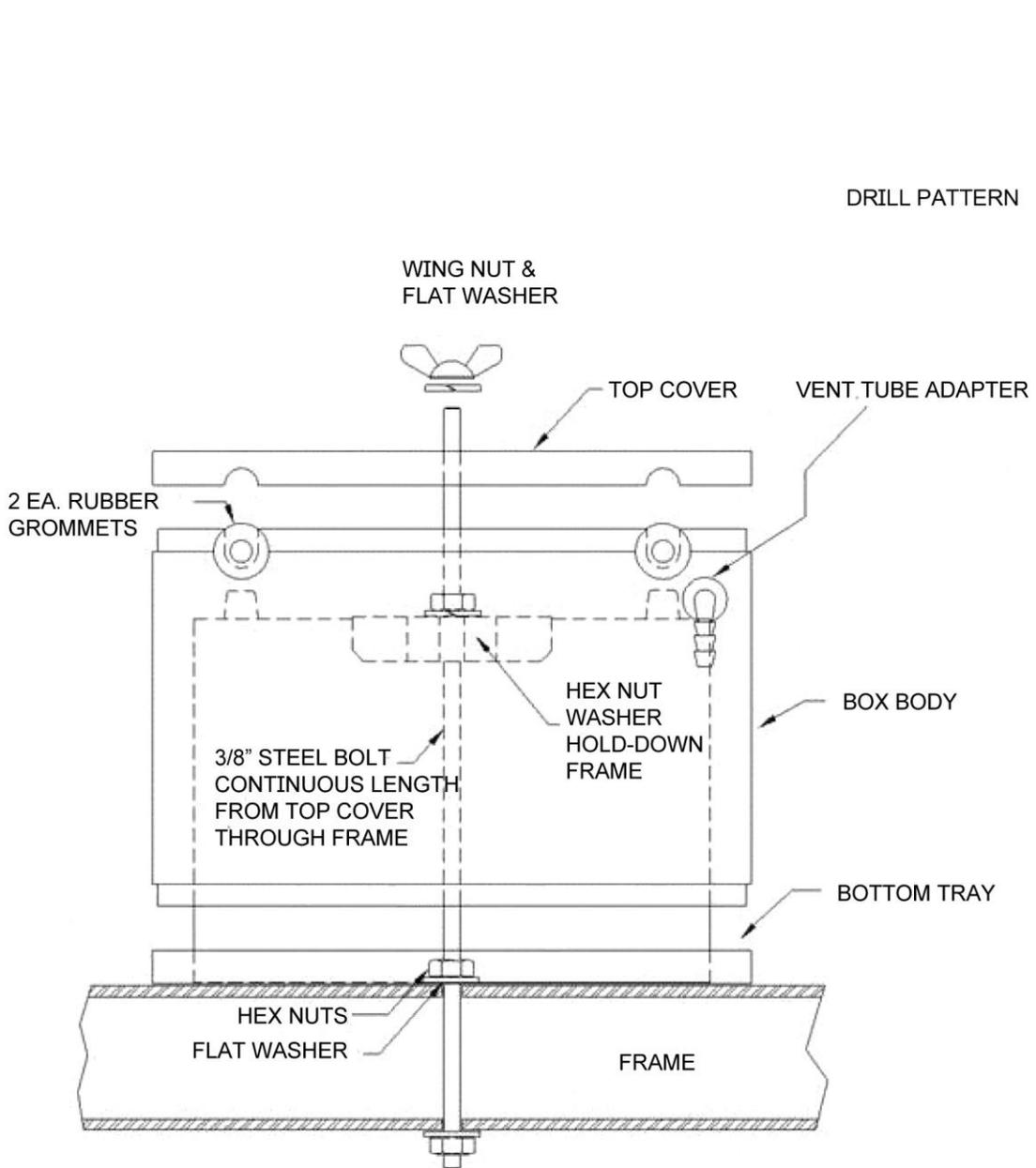
SPECIAL CARE SHOULD BE TAKEN WHEN SELECTING MOUNTING LOCATION AND DRILLING MOUNTING HOLES TO AVOID DRILLING INTO VEHICLE'S FUEL TANK, SPARE TIRE, BRAKE LINES, OR ANY OTHER CRITICAL COMPONENTS.

1. Determine Battery Box location in vehicle and drill two (2) 3/8 inch mounting holes. To comply with NHRA rule 8.1, battery must be isolated from the passenger compartment and mounted securely to the vehicle's frame.
2. Secure bottom tray in position with the threaded rod, hex nuts, and washers.
3. Install two (2) rubber grommets and vent tube adapter (elbow barbed fitting) with its' flat nylon washer and nylon nut into box body.
4. Position battery in bottom tray. (Some installations will be easier if the battery terminals are situated on the far side of the box away from the notches in the box, thus allowing some flex in the cables to make connections easier).
5. Secure battery with the hold-down bracket, hex nuts, and washers. NOTE: Some batteries may have close spacing between the terminal posts, and some modification of the hold-down bracket may be necessary to fit those batteries.
6. Fit the box body over the battery and into the bottom tray.
7. **NOTE: Connect the RED positive (+) cable first to the Pos (+) terminal of the battery (if negative ground vehicle).** If the vehicle has a Positive ground, then connect the Red cable first to the Neg (-) terminal of the battery. To easily pass the cable through the grommets, use liquid dish soap as a lubricant. The red cable terminates at the same location as the cable being replaced. This is typically on the starter solenoid or remote bump starter solenoid (assuming negative ground system). If the cable passes through the firewall or some other barrier where it could rub against bare metal, use the supplied rubber grommet in a 3/4 inch hole to protect the cable insulation.
8. Once the final cable routing is determined, cut the cable to length. To attach the battery cable copper lug, strip one inch of insulation, slide the heat shrink over the cable and then slide the cable fully into the threaded hex portion of the copper lug. Finally, thread the hex nut portion into the main body of the copper lug and tighten fully. Position the heat shrink 1/2 on the eyelet terminal and 1/2 on the cable. Use a heat source such as a hair dryer to shrink the material into place. Use the cable clamps to secure the cable to the determined route if included in your kit.
9. **Connect the black battery cable to the negative (-) terminal of the battery (if the vehicle has a Negative ground).** For a Positive ground vehicle, connect the black cable to the Pos (+) battery terminal. This ground cable terminates to a solid grounding point such as the chassis, engine block, the frame or some other similar common point. Be sure any paint or finish is removed from the terminal point for a good electrical connection.
10. Fit the top cover on the box body making sure the rubber grommets are aligned.
11. Secure the top cover on the box with flat washers and wing nuts. Attach the vent tube.

PARTS LISTING:

1ea	805 Battery Box	3ea	672 Black rubber grommet .450 ID
2ea	614 Nut, 3/8-16 forged wing z/p	1ea	808A Battery hold down
6ea	617-5 Hex nut 3N/8-16	2ea	819 Threaded rod 3/8-16 x 16"
8ea	617-6 Flat washer 3/8 std	6ea	875-9 Nylon Cable clamp 1/2" (#48100, 48101, 48103)
1ea	617-8 Elbow barbed fitting 90 deg	6ea	594-1 Rubber Cushioned Steel Cable clamp 1/2" (#48104)
1ea	617-8A Nylon nut for 90 deg elbow	1ea	372-36 Clear PVC vinyl vent tubing 3 ft
1ea	617-8B Nylon washer for 90 deg elbow		
1ea	651-2 Copper Lug with Compression Nut (#48101, 48103, 48104)	1ea	388-TW-2-2 Heat Shrink Sleeve Red, 3/4" x 2" (#48101, 48103, 48104)

(Battery Cables are specific to kit part number ordered)



8.375

2 EACH 3/8" STEEL THREADED ROD TO PASS THROUGH BATTERY BOX AND SECURE TO VEHICLE'S FRAME

048100 SERIES