

AeroBox™ Installation Manual – Premium

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Thank you for choosing the AeroBox™ as a value adding accessory for your pick-up truck. The AeroBox™ is designed to provide the additional utility and functionality you are looking for in a truck bed cargo management product. The following installation instructions are developed to help make your installation as easy as possible. Although some deviations from these instructions may be necessary in some unforeseen situations, please try to follow them as closely as possible so your AeroBox™ will perform as desired.

INSTALLATION TIME

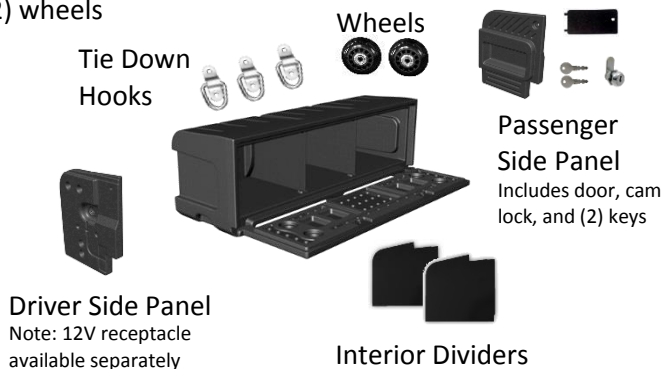
Approximate installation time: 2 hours, based on installer - For best results, consult a skilled installer.

TOOLS REQUIRED

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • Crayon/marker • Tape measure • Gloves | <ul style="list-style-type: none"> • 17/64" 23/64" 25/64", 17/32" drill bits • Center punch • Drill (corded or cordless) | <ul style="list-style-type: none"> • 7/16", 9/16", 1/2" wrench and socket • Pliers, vise grips, or equivalent • Rivet nut tool (included) |
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PARTS LIST

Premium AeroBox™ - Includes: main door w/ seal, (2) keyed cam locks with (2) keys, (1) load floor, (2) dock-n-lock side panels, (2) interior dividers, (3) tie down hooks, (2) wheels



Kit #1: All Assemblies - Wheels

- (2) Wheels, (2) axle bolts, (2) main door keys

Kit #2A: Premium Assembly – Hardware

- (2) 3/8"-16 x 4", (6) 3/8"-16 X 6" threaded rods
- (2) ¼ turn bail handle quick disconnect studs
- (2) 3/8" rubber plugs with tab
- (6) ¼"-20 X 5/8" hex bolts

Kit #2B: Premium Assembly – Hardware

- (22) 3/8" flat washers, (18) 3/8" split washers
- (4) 3/8" hex nylon insert lock nuts
- (18) 3/8"-16 hex nuts
- (2) 3/8"-16 rivet nuts
- (6) ¼"-20 hex nylon insert lock nuts and washers
- (2) Plastic cupped washers/spacers

Kit #2C: Premium Assembly – Tie down rings

- (3) Tie down rings and brackets (may be pre-installed)
- (1) Rivet nut installation tool, (2) Side panel door keys

Note: Extra hardware is included to enable additional adjustment for different applications, thus some unused parts may remain.

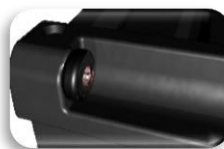
-ATTENTION-

Read all instructions before installing or using this product. The AeroBox™ will fit most full-size truck beds have 58 ½" min. tailgate opening (including liner thickness, if present) and 62 in. min. width for 19 in. min. forward of tailgate opening vertical rails. However, attachment may be more difficult with plastic drop-in liners due to geometric variety of liners and may require additional hardware (not included) and/or some local modification of the liner. If your truck does not have a plastic or spray-on liner, the box can abrade the painted surface of the truck bed over a period of time, so a protective liner is recommended. Please view helpful installation video and FAQ's on our website, or call Customer Service (1-866-300-9606) if you have any questions. Any modification or unintended use of this product shall immediately void all manufacturer's warranties. The manufacturer disclaims all liability for injuries to persons or property resulting from any modifications to, unintended use, or improper assembly of this product.

WHEEL INSTALLATION

1. Place AeroBox™ upside down on clean surface and locate the threaded inserts in the wheel pocket.
2. Insert axle (wheel bolt) through bearing on wheel and screw in to threaded insert using ½" wrench or socket. Do not overtighten.

3. Repeat for remaining wheel



TIE DOWN RING ASSEMBLY INSTALLATION

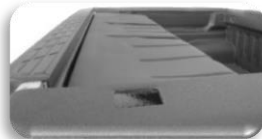
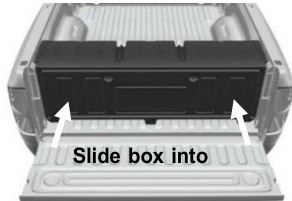
1. Place the AeroBox™ right side up so you can access the aerodynamic (rounded) side of the AeroBox™.
2. Locate drill centering marks at each tie down location and drill a $\frac{17}{64}$ " hole at each mark.
3. Insert ring in bracket recess and place assembly so holes align with drilled holes on AeroBox™.



4. Insert $\frac{1}{4}$ "-20 X $\frac{5}{8}$ " hex bolts through the holes toward the inside of the box. Place a $\frac{1}{4}$ " washer on the end of each bolt and thread on a $\frac{1}{4}$ "-20 hex nylon insert lock nut from the inside of the box.
5. Repeat this process for the remaining 2-tie-downs, tightening each bolt assembly with $\frac{7}{16}$ " socket and wrench. The rings should move freely in the brackets.

SIDE POD INSTALLATION

1. Slide AeroBox™ in to tailgate opening of your truck until door of AeroBox™ would be flush with tailgate when tailgate is closed, but does not inhibit closure.



AeroBox™ flush with closed tailgate

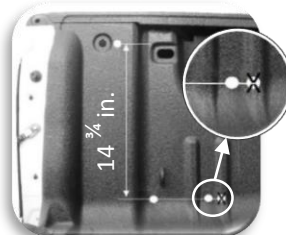
2. Slide driver and passenger dock-n-lock side panels between the respective sides of AeroBox™ and truck bed inner sidewalls until they are in full rearward position. Mark top and front reference lines for the position of the side panels.

Note: If geometry of plastic liner interferes with sliding panels to full rearward position, determine if interference would be avoided if box was positioned slightly forward, or if minor modifications, such as trimming away liner at interference points would sufficiently resolve the problem.

Hint: Mark top reference line $\sim \frac{1}{4}$ " higher than top surface to make box easier to slide. It may be helpful to temporarily remove the tailgate, if feasible, for better access to complete remaining steps.



3. Remove AeroBox™ and align each side panel with marked lines. Mark locations for drilling attachment holes within each slot. Bottom holes should be $\sim 14 \frac{3}{4}$ in. below top hole and at same height as each other. Center punch each marked location to aid drilling.



Hint: Try to find a flat area and avoid existing holes or obstructions on the bed side inner anywhere within $\frac{3}{8}$ " of either slot end for hole location. Verify there are no obstructions on opposite side of sheet metal where hole is to be drilled and sufficient room for installation of rivet nut.

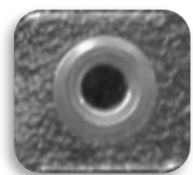
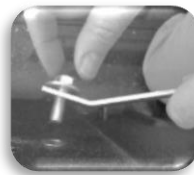
4. Drill a $\frac{17}{64}$ " pilot hole at each location. Re-drill top hole to $\frac{17}{32}$ " and bottom holes to $\frac{25}{64}$ ".

Hint: Although much preferable to use a $\frac{17}{32}$ " bit for top hole, this size may not be in your standard drill kit. As an option, you may use a $\frac{1}{2}$ " bit and slightly bore out the hole a little larger. Check Rivet Nut fit frequently. It should fit snugly in the bored hole.

Note: If a plastic liner is present, use a 1 inch (min.) hole saw to cut a hole in the liner (not sheet metal) at each attachment hole location so nuts can be secured directly against sheet metal. It may also be necessary to locally lift the liner out of the way temporarily in order to gain access to complete the bolted assembly.

5. To secure Rivet Nut, assemble two washers on a $\frac{3}{8}$ "-16 bolt (not included) and extend bolt through hole in Rivet Nut tool. Thread Rivet Nut on to bolt until tight and insert Rivet Nut in top hole. Grasp Rivet Nut tool tightly (use protective gloves) to keep it from rotating and flush with sheet metal while tightening bolt with $\frac{9}{16}$ " socket or wrench until Rivet Nut is fully compressed (clamped tight on to sheet-metal). Unscrew the bolt when finished.

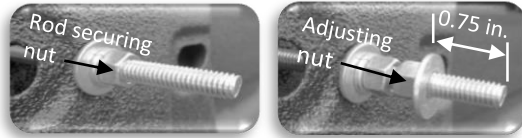
Note: Bolt will be difficult to turn at first, gets easier as rivet nut begins to compress, then very difficult when fully compressed. Rivet Nut should not turn if installed correctly.



6. Thread 4" or 6" rod (will depend on required length for your application) into Rivet Nuts until the ends of the opposing studs are $58 \frac{1}{2}$ in. apart with similar extended length from sidewall.

Hint: Measure cross-truck distance between each opposing attachment location. Subtract 58 ½ inches and divide by two. This should be length of rod extending from each side wall.

7. Install a flat washer, split washer, then a 3/8"-16 hex nut and tighten. Thread another nut, followed by flat washer, 3/4 inch on to threaded rod.



Note: If insufficient available length for 3/4" offset, remove adjusting nut and use washer spacers, if necessary.

8. As in step 6, measure the cross-truck distance between opposing lower attachment locations. Subtract 58 ½ inches from the distance for lower rearward location and 57 ½ inches for lower forward location. Divide each remainder by two. This is the required length of rod extension from the truck bed sidewall for each location.

9. Install a hex nut with nylon insert and a flat washer on each of the four remaining threaded rods. Thread until distance to opposite rod end equals the extension distances calculated in step 8.

Hint: Hold rod with pliers/vice grips to keep from turning, while installing Nylock nut. Be careful not to damage threads.

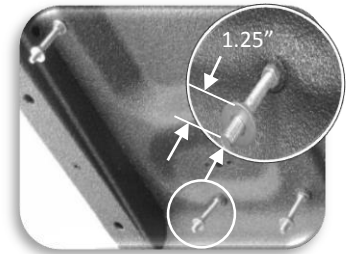
Note: It may be necessary to extend rod through hole before installing Nylock nut and washer, if access is limited.

10. Install the threaded rod assemblies in their respective lower holes, extending through bed sheet-metal from outside-in (accessed from underneath bed), so ends of rods extend into truck bed. Secure each assembly with a flat washer, split washer, and 3/8"-16 hex nut, while also gripping rod with pliers to keep it from turning.

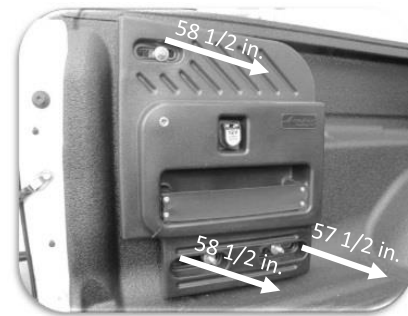
Note: If a flat spot on sheet metal was not available to secure threaded rod, tighten rod against sheet metal and apply force to base of rod to locally bend sheet metal until rod extends perpendicular to vertical sidewall.

Hint: Each opposing stud end should be equidistant from side of truck to keep AeroBox™ centered. The distance between inboard ends of opposing top and bottom rear studs should be 58 ½ in. and 57 ½ in. between bottom forward stud ends.

11. Thread an adjusting nut then flat washer on to each lower stud 1.25 inch. Assembly should now look like adjacent figure.



12. Install side panels on their respective threaded rod assemblies, while adjusting fore-aft position to match previously marked lines. Secure them by adding, a 3/8" flat washer, 3/8" lock washer, and a 3/8"-16 nut on to end of each threaded rod. Tighten nut against panel.



Note: There should be approximately 58 ½ in. between top and bottom opposite side panel faces at the rear and 57 ½ in. when measured toward the front. Adjust, if necessary for smooth docking/undocking. If threaded rod extends beyond slot recesses, thread rod further through body sheet metal and retighten.

13. Dock AeroBox in place by sliding ends over side panel guides. Adjust side panels as required for smooth operation. Make sure all nuts are tight. Re-check tightness occasionally.

Warning: Placing very heavy items in the AeroBox™ combined with rough terrain and/or heavy braking could result in your AeroBox™ coming loose and/or damage to the attachment assembly. Additional tie downs may be necessary in these situations

SIDE PANEL QUARTER TURN FASTENER INSTALLATION AND OPERATION

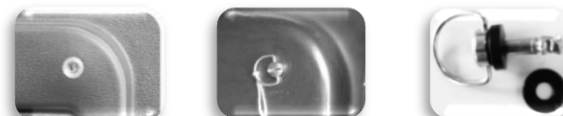
1. Locate drill centering marks at fastener location in the recessed area on each end of the AeroBox™. Drill 23/64 in. hole at each mark. (may be pre-assembled)

Hint: Plugs provided to seal holes when fasteners not in place. A 23/64 in. hole can be drilled in door opening flange to keep plug when not in use.



2. When AeroBox™ is docked, insert qtr turn fastener through AeroBox™ in to side panel receptacle and turn clockwise to secure. Additional washers are provided to adjust fastener tightness, if needed. If fastener is difficult to install, there may be too much gap. Readjust side panel spacing as required.

Hint: Use string to tether fastener to box.



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