



DIAMONDBACK

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REAR EXTENSION

INSTALLATION GUIDE

ATV-2

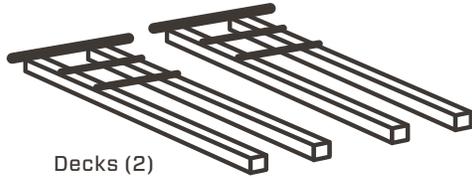
45 minutes
Normal install time

Keep an eye out for these icons:

IMPORTANT!
Important installation information

Helpful Hints
Tips to assist installation

PARTS INCLUDED:



Decks (2)



Holed Receiver Brackets (4)



Solid Receiver Brackets (4)



5/16" x 1" SS Button Head Bolts (8)



5/16" x 3" SS Button Head Bolts (8)



Stud Caps (4)



5/16" Fender Washers (16)



5/16" Plain Washers (16)



5/16" Lock Nuts (16)



Spring Pins (4)



5" Shims (2)



Tail-Panel Jack Post

TOOLS REQUIRED



Tape Measure



Marker



Drill



5/16" Bit



Straightedge



Ratchet Wrench



1/2" Socket



3/16" Hex Key

PRE-INSTALL NOTE:

You must mount the cover and cab guard prior to installing the Rear Extension.

INSTRUCTIONS

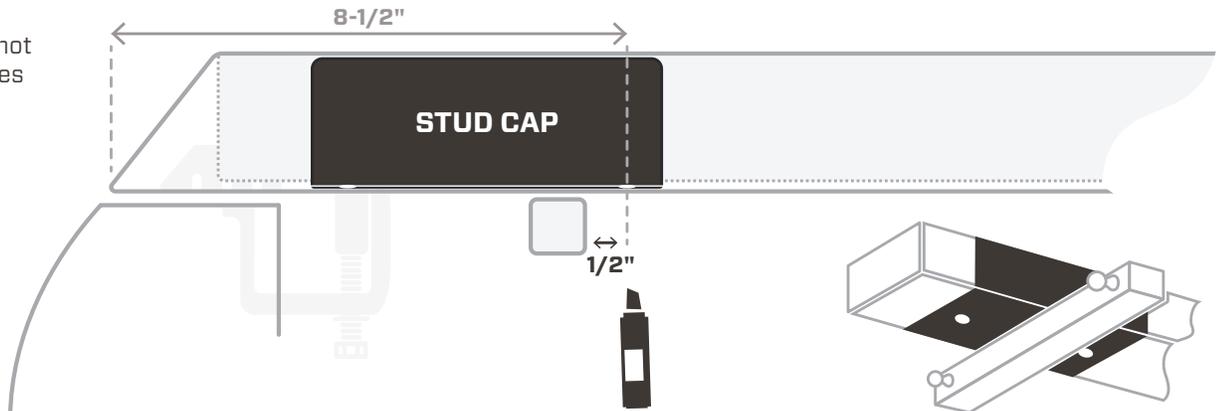
- Measure and write down:
 - the distance from the nose of your ATV or SXS to the back of its rear tires, and
 - the width of your ATV or SXS from outside to outside of its tires.

- Fit a **stud cap** around the center-panel stud so that the center of its inboard hole is 1/2" inboard of the driver-side ball stud arm. Use the two holes on the stud cap as a template to mark drill locations on the stud.

- ★ If your truck bed measures less than 6' long, your center panel has no stud. To mark drill locations, flip the stud cap upside down so that its holed face sits flat against the underside of the center panel.

- Repeat step 2 on the passenger side.

! The Rear Extension is not compatible with vehicles over 60" wide.



4 From under the cover, drill all four marks up through the stud and through the cover with a 5/16" bit.

! Drill straight up and down to ensure vertical hole alignment.

5 Place two **holed receiver brackets** onto the center panel, each aligned with one of the new pairs of newly drilled holes.

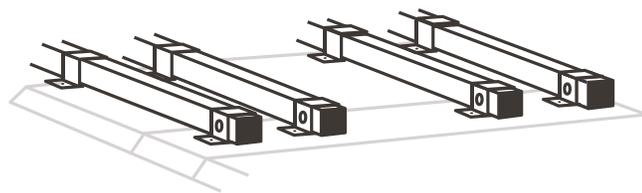
6 Drop a 3" bolt through the center-panel brackets' flanges, into the just-drilled holes, and through the stud.

7 Slide a **solid receiver bracket** onto each of the four **deck** arms.

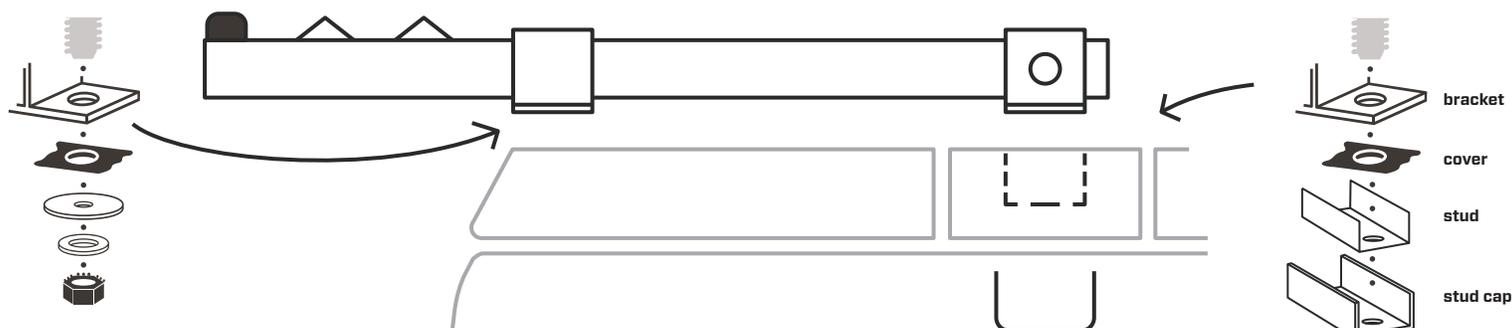
8 Slide an unattached holed receiver bracket onto each deck's inboard arm.

9 Lay the decks onto the cover so that:

- they're roughly parallel,
- the ends of the outboard arms are inside the bolted center-panel brackets,
- the unattached holed brackets rest on the center panel, and
- the solid brackets rest on the tail panel.



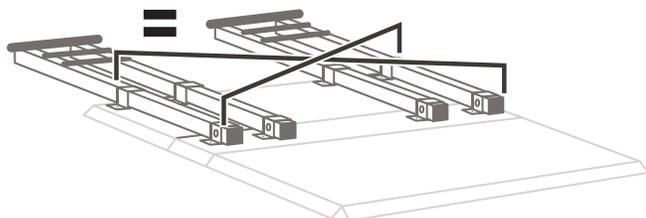
10 Use a straightedge to align the two unattached center-panel brackets with the bolted ones.



11 Align the solid brackets flush with the top of the bevel at the rear edge of the tail panel.

12 Confirm the decks sit parallel to each other by verifying the following two distances are within 1/4":

- the outboard corner of the driver-side center-panel bracket to the outboard corner of the passenger-side tail-panel bracket and
- vice versa.



13 Use the brackets' empty flange holes as templates to mark twelve drill locations on the top of the cover.

14 Remove the deck arms. Drill all the new marks down through the cover and, for the center panel, all the way through the stud.

! Drill straight up and down to ensure vertical hole alignment.

15 Put the brackets back onto the cover, aligned with the newly drilled holes.

16 Drop 3" bolts through the center-panel bracket holes and 1" bolts through the tail-panel bracket holes.

17 Put a fender washer, plain washer, and lock nut, in that order, onto the end of each tail-panel bolt. Tighten the lock nuts using a 1/2" socket and 3/16" hex key.

18 Fit a stud cap to each pair of center-panel bolts.

★ If your cargo bed measures less than 6' long, flip the stud cap upside down so that its holed face sits flat against the underside of the center panel.

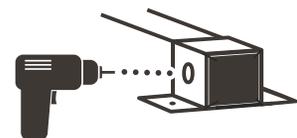
19 Repeat step 17 on the center-panel bolts.

! To avoid crushing the stud, do not over-tighten the center-panel bolts.

20 Position the decks so that:

- the plastic caps on the ends of the arms are completely through the forward openings of the center-panel brackets,
- the distance from the top of the bevel at the forward edge of the cover to the trailing ends of the decks matches the distance from the nose of the ATV to the back of its rear tires, and
- the distance from the trailing edge of the tail-panel brackets to the trailing ends of the decks is no more than 26 inches.

21 Use the pre-existing holes in the sides of the center-panel brackets as guides to drill holes through the bars with a 5/16" bit.



22 Pin the bars to the center-panel brackets with spring pins.



23 Install the **Shim Kit & Tail-Panel Jack Post**, in that order. Refer to their respective installation guides for details.