



DIAMONDBACK

180

INSTALLATION GUIDE

CVR-180.1

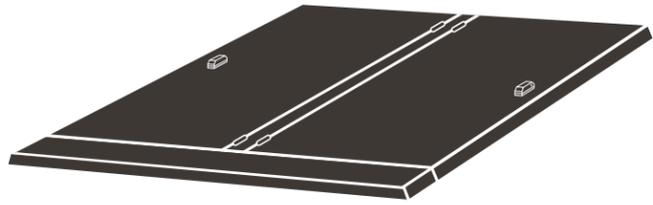
75 minutes
Normal install time

Keep an eye out for these icons:

IMPORTANT!
Important installation information

Helpful Hints
Tips to assist installation

PARTS INCLUDED:



180 Cover



Clamp Bracket



Lock-Rod Striker Brackets (2)



1/4" Self-Drilling Screws (8)



1/4" Rivet Nuts (12)



Threaded Insert Installation Tool



1/4" Lock Washers (8)



1/4" Plain Washers (12)



1/4" Hex Bolts (12)



Cap Clamps (2)



1/8" Hex Key



Gas Springs (4)

TOOLS REQUIRED:



Drill



3/8" Nut Driver Bit



25/64" Drill Bit



5/16" Drill Bit



Utility Knife



Ratchet Wrench, (Torque Wrench preferred)



9/16" Wrench



Rubber Mallet



9/16" Socket



7/16" Socket



Marker



Tape Measure (optional)

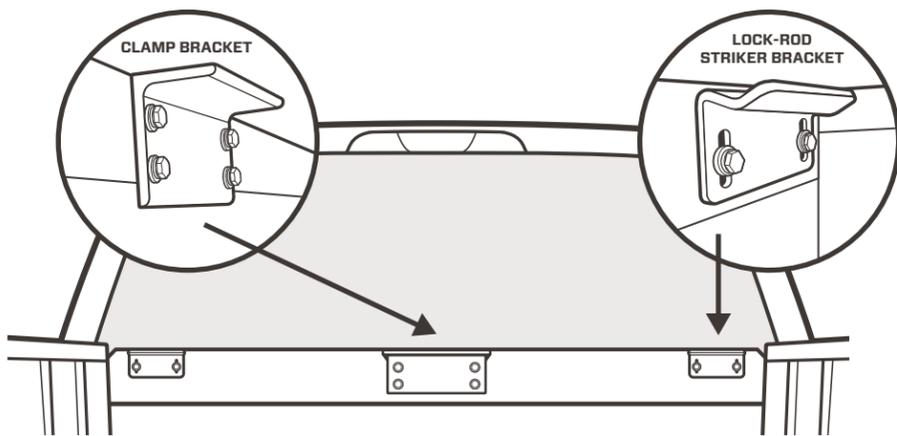
PRE-INSTALLATION NOTES (REVIEW ALL OTHER INCLUDED INSTALLATION GUIDES BEFORE BEGINNING)

If your truck has a plastic bed liner, trimming is required for brackets/rivet nuts at the bulkhead.

Some models require bulkhead preparation first. Please refer to the instructions in the bulkhead prep kit prior to mounting the cover.

PREPARE THE CARGO BED

1 Referencing the image below, align the **clamp bracket (longer leg down)**, centered side to side between the bedrails, and flush with the top of the bulkhead. Attach using a drill, 3/8 nut driver bit, and included self leveling screws.



2 Using a drill, 3/8" nut driver bit, and the included self-drilling screws, attach a **lock-rod striker bracket** to each corner of the bulkhead (as shown above). Ensure the following:

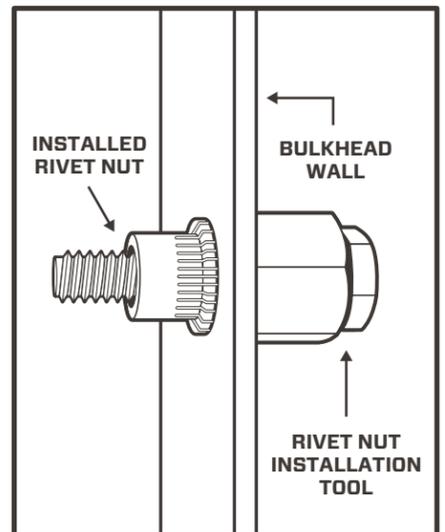
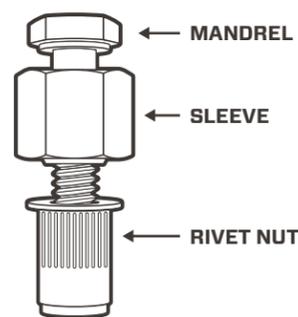
- A. place the top edge of the bracket flush with the top of the bulkhead and
- B. drill your mounting holes as close to the vertical middle of the slots as possible.

! You may need to shift lock-rod striker bracket slightly inward from the bedrail, to keep flat with bulkhead surface.

3 Detach all three brackets by removing the self-drilling screws and set aside. Use the 25/64" drill bit to enlarge the holes in the bulkhead left by the self-drilling screws.

! Protection is needed to avoid drilling directly into the cab. Create a physical stop on the drill bit or place protection between the bulkhead and cab to prevent damage.

4 Thread a rivet nut onto the **rivet nut installation tool**. Hand-tighten until the hexagonal sleeve is tight to the face of the rivet nut. Next, using a rubber mallet, gently tap rivet nut into the pilot hole.



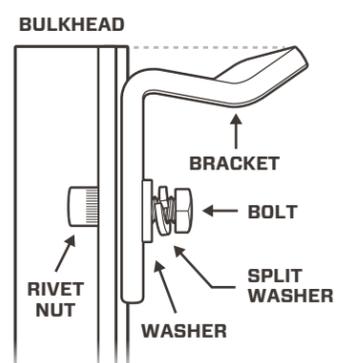
5 Use a 9/16" wrench to hold the sleeve of the **rivet nut installation tool** as you tighten the mandrel with a 7/16" socket until the rivet nut deforms and locks against the interior of the bed wall.

! At approximately 2 full revolutions, the nut should be tight. Do NOT overtighten or you will risk stripping the rivet nut.

6 Remove the installation tool by unscrewing the mandrel. Repeat steps 4-6 for each rivet nut.

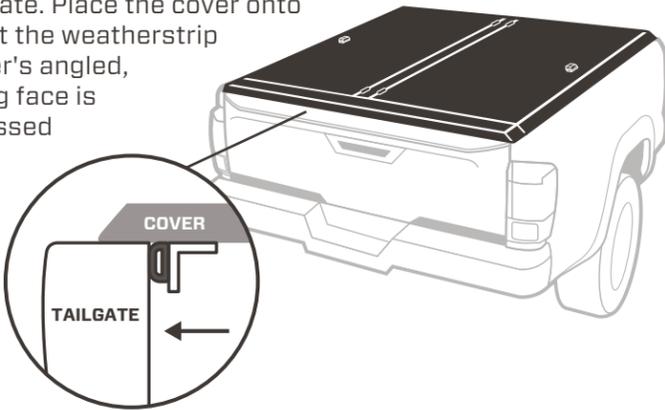
7 With all rivet nuts installed correctly, reattach all brackets using the provided hex bolts and washers as shown. Tighten with a 7/16" socket, **ensuring not to overtighten** the bolts or you will strip the rivet nuts.

★ Re-installing the clamp bracket using the hex bolts and washers is easiest if you enlarge the holes in the clamp bracket using the 5/16" drill bit.



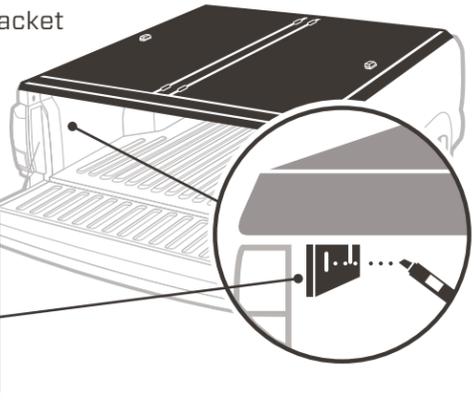
MOUNT THE COVER

8 Close the tailgate. Place the cover onto the bed so that the weatherstrip along the cover's angled, vertical sealing face is firmly compressed against the inside edge of the tailgate.



9 Center the cover side to side.

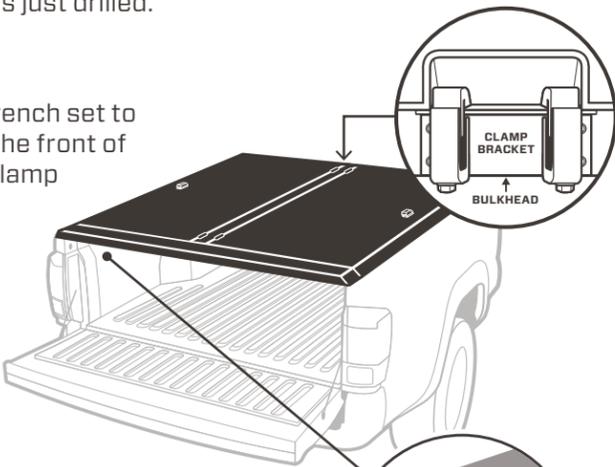
10 Open the tailgate. At the rear of the bed, mark drill locations on both bed walls using the mounting-bracket slots as a template. Make these marks slightly lower than the vertical center of the slots.



11 Remove the cover. Drill the marks using a 25/64" drill bit.

12 Repeat steps 4-6 to insert rivet nuts into each hole that was just drilled.

13 Using a torque wrench set to **5-6 ft lb**, attach the front of the cover to the clamp bracket using the cap clamps.



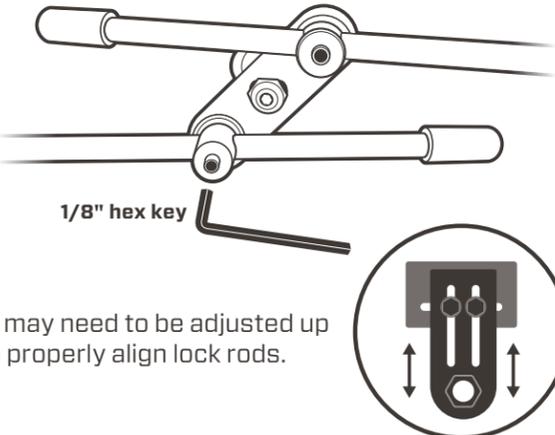
14 At rear, insert a hex bolt through a lock washer, a plain washer, through each bracket slot, and into each rivet nut. Tighten with a 7/16" socket.



! To ensure a tight seal, it is crucial to apply downward pressure on the cover while you're attaching the mounting brackets.

ADJUST THE LOCK RODS

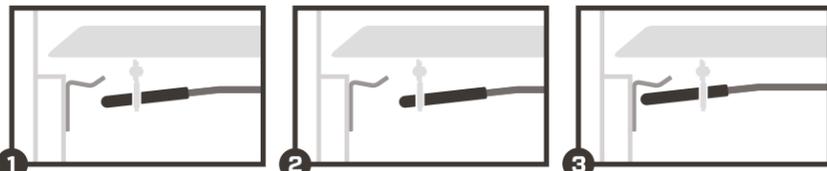
15 Loosen the set screws for the lock rods with the provided hex key and retighten each lock rod after ensuring the following...



★ The bracket may need to be adjusted up and down to properly align lock rods.

CAB SIDE OF PANELS

CORRECT ORIENTATION **+** HANDLE OPEN **—** HANDLE CLOSED



1 The angled orientation is always maintained

2 With the lock handle in the open position, the rod tips just clear the striker brackets.

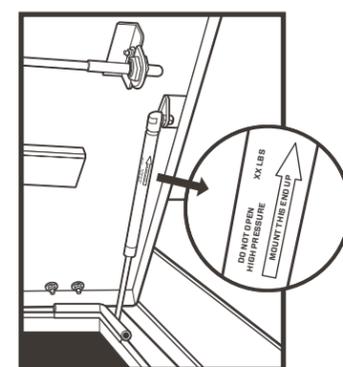
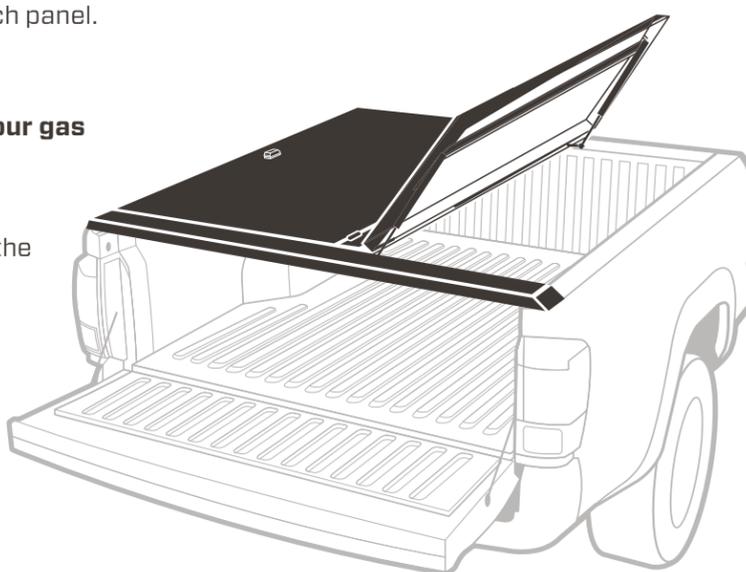
3 With the lock handle in the closed position, the lock rods are fully under the striker brackets and engaged as much as possible. Ensure the lock handle fully closes.

ATTACH THE GAS SPRINGS

16 Attach **2 gas springs** to the ball stud arms beneath each panel.

! Make sure the barrel end is up. If you install your gas springs upside down, they'll fail.

17 Leave the cover closed and locked for 24 hours to allow the pressure-sensitive weatherstrip adhesive to fully cure.



🕒 24 hours
Adhesive cure time