



RAM Crew Cab Long Bed 3500 2014-2020

Thank you for choosing White Knuckle Rock Sliders

Please read instructions before beginning installation. Check hardware kit contents against content list below. Also, check the tools needed against the list below.

Install time: 2-3 hours

1 helper recommended

Hardware Kit

1-Driver Side Rock Slider

1-Passenger Side Rock Slider

3 – 1/2" X 2 X 9-7/16" Backing Plates

2 – 1/2" X 2 X 9-11/16" Backing Plates

2 – 1/2" X 2 X 9-5/8" Backing Plates

1 – 3/8" X 2 X 9-7/16" Backing Plate

2 – 1/4" X 2 X 9-7/16" Mounting Plate Shims (3rd Mount)

2 – 1/2" "J" Backing Plates and 2 Mounting Plate Shims (Front)

1 – 1/2" X 4-1/2" Grade 8 Bolt (Driver Side Rear Top)

15– 1/2" X 5" Grade 8 Bolts

4 – 1/2" X 5-1/2" Grade 8 Bolts (Front Mounts)

18– 1/2" Nuts, Flat Washers, and Lock Washers

Optional:

2 – 1/2" X 6" Grade 8 Bolts, Nuts and Extra Thick Washers and 2 - (9/16" X 6", 5/8" X 6", 3/4" X 6" If Radius Arm Drop Brackets are Installed)

Tools Needed

Floor Jack

2 Axle Stands

3/4" Wrench and/or

Ratchet and 3/4"

Socket

INSTALLATION INSTRUCTIONS

1. Chock your wheels to prevent your truck from rolling. Begin the install on the passenger side first. Place the axle stands directly under the rocker panel. Place the rock slider on the axle stands **Figure 1**. Place another axle stand or floor jack under one of the mounting plates or legs to keep the slider from swinging out and to provide more stability.
2. **Driver side only** – A couple of the plastic snap-in fasteners that attach the wire loom to the top of the frame rail will need to be removed or cut to provide slack in the loom which will allow the backing plates in a couple of the mounting points to be installed **Figure 2**. Be sure the wire loom is protected from wear if against the backing plates with rubber and/or electrical tape.

3. Position the rock slider mounting plates flush against the frame so that they are in a position high enough to push the bolts from the outside toward the inside of the vehicle frame and through the backing plate. **NOTE:** Slide the backing plates up from the bottom against the inside of the frame to ensure brake lines, wiring, etc. will not be pinched by the backing plate **Figure 3**. Next push the bolts through the holes in the mounting plates (begin with the Front mount then work your way back) **NOTE:** The 1/2" X 5-1/2" bolt with Extra Thick Washers is used on the front slider mounting lower hole and also goes through the factory 1" hole in the frame at the same location **Figure 5**. **NOTE:** The 1/4" X 2" X 9-7/16" **shims** are to be placed between the 3rd mounting plate and the frame **Figure 4**. **NOTE:** The 1/2" X 4-1/2" bolt goes to the rear mount on the driver side and should be installed reversed (from inside to outside of frame).
4. Place the flat washers, lock washers and nuts on the bolts but do not tighten at this point.
5. The front mounting plates requires a shim (included) to be placed at the top of the mounting position between the mounting plates and the frame **Figure 5**. A strong magnet, tape, or a friend's helping hand can be used to hold the shim in place while tightening the mounting bolts.
6. Once all of the washers and nuts have been started on the bolts, center the slider relative to the rocker panel. Keep a consistent gap (around 1/2" to 1") between the slider and the bottom of the rocker panel. The gap can be adjusted by simply lifting one end (a bottle jack or floor jack used under the mount to be adjusted works best). Tighten all of the nuts rotating from top to bottom to ensure the backing plate stays straight. Finally, recheck each for tightness.
7. **NOTE:** If you notice a creaking sound while driving, it is most likely the top of the 2nd position backing plate making contact with the bottom of the cab. Loosen the bolts and drop the backing plate until it does not make contact. Make sure the top bolt is level to the top of the frame or slightly dipping downward toward the backing plate.

Figure 1



Figure 2

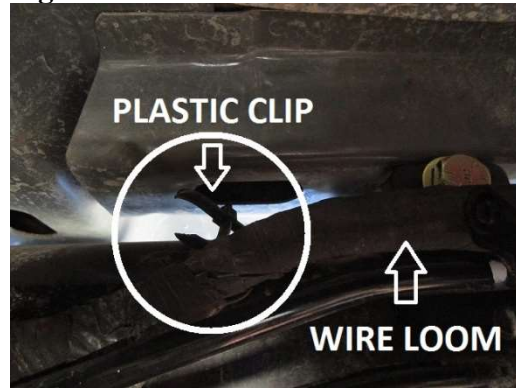


Figure 3



Figure 4



Figure 5



Front Backing Plate (Passenger Side)



SAFETY FIRST

Observe proper safety procedures during installation. Improperly used tools and unsafe procedures can cause injury or death. Refer to manufacturers manuals for use and warnings of tools to be used.

Modifications to your vehicle can cause dangerous conditions. The buyers and users of this product assume all risks associated with the installation and use of this product. All installations should be made by a qualified mechanic.

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