Rocker Protection

2010+ Ram HD 2500/3500 Crew Cab with 6’4” Bed (SRW)

2009-2018 Ram 1500 Crew Cab with 6’4” Bed

INSTALLATIONGUIDE

NEW PRODUCT

Please visit www.aev-conversions.com to view the most current installation guide for this product.

This is a new product and we want to make sure that you receive the latest and most accurate information based on customer feedback, product revisions, and/or model year updates. We value customer feedback, so we encourage you to contact our Technical Support department if you have any suggestions on how to make the installation of this product easier or if you have any questions regarding the installation of this product. AEV’s Technical Support can be reached by email at tech@aev-conversions.com or by giving us a call at (248)-926-0256.

AEV30467AA Written By: Jacob Maurer Approved By: Josh Webb
Last Updated: 10/22/2026

PLEASE READ BEFORE YOU START

To guarantee a quality installation, we recommend reading these instructions thoroughly before beginning any work. These instructions assume a certain amount of mechanical ability and are not written nor intended for someone not familiar with auto repair.

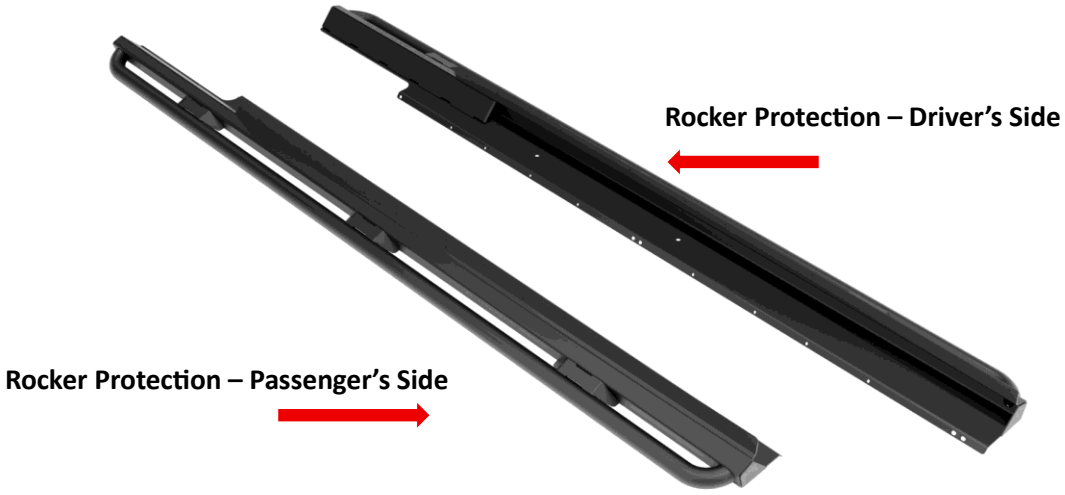
INCLUDED PARTS	QTY
Rocker Protection – LH	1
Rocker Protection – RH	1
Hardware Kit	1

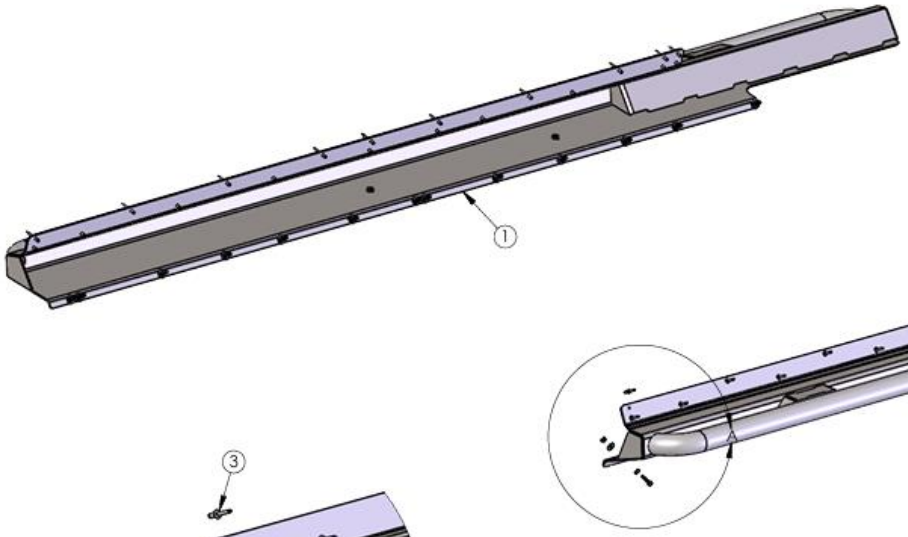
REQUIRED TOOLS

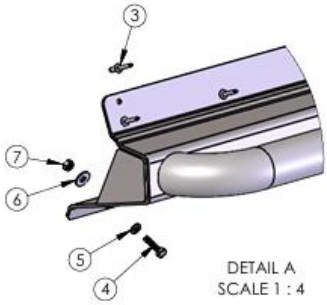
90deg (right angle) drill
Power/pneumatic rivet tool (highly recommended)
Common hand tools
Hand rivet tool
3/16” transfer punch
Center punch
1/8” (pilot) drill bit
1/4“ drill bit
Masking tape
Floor Jack
Permatex Rust Preventative

RECOMMENDED SEAM SEALER:

SEM 1k Seam Sealer, Black (SEM part number: 29392) is recommended but any black seam sealer will work.







DETAIL A
SCALE 1 : 4

ITEM NO.	PartNo	DESCRIPTION	QTY.
1	ARMP0200AA	WELDMENT RH 4DR, RAM ROCKER PROTECTION	1
2	ARMP0201AA	WELDMENT LH 4DR, RAM ROCKER PROTECTION	1
3	AEV91252AA	3/16" BLIND RIVET - 316 STAINLESS (0.158"-0.236" GRIP RANGE)	40
4	AEV91253AA	M6 X 1.0 X 25 HEX HEAD SCREW - GRADE 10.9 - GMW16730	26
5	AEV91255AA	M6 WASHER - 11.7 OD - GMW16730	26
6	AEV91256AA	M6 FENDER WASHER - 17.8MM OD - GMW16730	26
7	AEV91254AA	M6 X 1.0 HEX NUT - FREE SPINNING - GMW16730	26
8	AEV91258AA	HOLE PLUG 1/2" NYLON BLACK - 1/8" PANEL THICKNESS	4

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IMPORTANT NOTE BEFORE BEGINNING INSTALLATION:

Measure the gap between the bottom of the front doors to the door sill before beginning installation, both driver's and passenger's side. A feeler gauge or body panel gap tool works best for measuring.

- If measuring the gap on vehicle equipped with AEV Highmark Fender Flares, simply measure the panel gap from the rear edge of the flare.



- If measuring the gap on a stock vehicle, measure the gap roughly 4" rearward from the leading edge of the front door.



A gap of <u>4.5mm or greater</u> between the bottom of the leading edge on the front door and rocker panel is recommended before installation.

Some installations may require a minor door adjustment due to normal vehicle-to-vehicle variation.

I. VEHICLE PREPARATION

1. Ensure door sill and rocker panel area is clean and free from debris.
    a. Rocker Protection is heavy and awkward to handle alone. A second person is strongly recommended during installation.
2. Installation procedure is best performed with the vehicle on the ground or a 4-post lift. A 2-post lift is not recommended since the doors will be fully open.
3. Remove any power step bolts from the entire pinch weld (if applicable). If vehicle is equipped with fixed running boards, see step 3d. If vehicle is equipped with AMP Powersteps, see step 3e.
    a. Mopar Power Steps will not fall as they are secured elsewhere.
    b. Entire outboard length of the pinch weld must be clear for Rocker Protector installation.

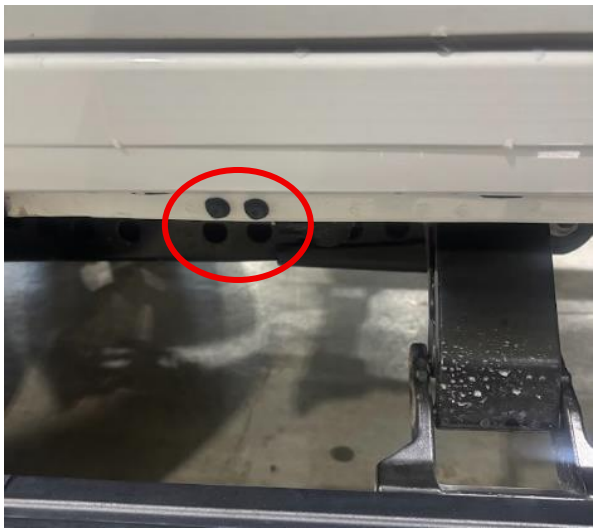


Figure 1 - Power step pinch weld bolts

    c. Do not use steps without all bolts installed.
    d. If vehicle is equipped with fixed running boards, full removal is required
    e. If vehicle is equipped with AMP Powersteps, extra steps are needed to accommodate the Rocker Protection.
        i. Remove any AMP Powerstep fasteners along the pinch weld. AMP Powersteps are riveted or bolted in place at the top of the bracket and will not fall with bottom bolts removed. Do not use AMP Powersteps without all bolts installed.
        ii. **NOTE**: Depending the exact AMP Powersteps the vehicle is equipped with, a longer AMP Powerstep bracket bolt may be needed to secure the Rocker Protection to the pinch weld (not provided in Rocker Protection kit)
        iii. Some AMP Powersteps also have lighting for the steps attached to the bottom of the rocker panel. Those lights will need to be removed for clearance reasons. The lights can be reinstalled by drilling holes in the Rocker Protection for passing wires through, if desired. This must be done before riveting in Step 19.
4. Apply masking tape along the entire door sill, ensuring it is parallel to and above the body line as shown in Figure 2.

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a. It is important to make sure the masking tape application is smooth without any creases or bends.



Figure 2 - Door sill masking tape location

5. With both the front and rear doors fully open, move the Rocker Protector into place by maneuvering it underneath the rear door.



Figure 3 - Rocker Protector in place

6. Align the two front holes and the single rear hole (circled in Figure 4) on the Rocker Protector with the existing holes along the pinch weld on the vehicle.
    a. Loosely install the bolts removed from the power step brackets (or supplied M6 bolts, washers and nuts) to hold the Rocker Protector in place, still allowing for adjustment.



*F*igure 4 - Pinch weld alignment holes



Figure 5 - Rocker Protector Loosely Installed

7. Position the Rocker Protection so that it is fully seated along the door sill, then snug the bolts along the pinch weld to hold the Rocker Protection in place.
8. Using a floor jack and a piece of wood, apply just enough upward pressure to support and hold the Rocker Protection in place.
    a. A Hi-Lift jack or another person can also be used to support and hold the Rocker Protection in place.



Figure 6 - Supporting Rocker Protection with floor jack

9. Mark the holes along the upper flange with a 3/16” transfer punch (20 per side).



Figure 7 - Mark holes with a transfer punch

a. **IMPORTANT:** Work carefully to avoid moving the Rocker Protection while marking holes.
b. For the two frontmost holes, there may not be space to hammer the transfer punch. Insert the transfer punch into each hole, apply inward pressure and spin the punch to mark the holes.

10. Remove the pinch weld bolts and Rocker Protection from the vehicle.
11. Enlarge the transfer punch marks using a center punch to ensure the drill bit doesn't wander.
12. Using a 1/8" drill bit (pilot drill bit), drill the marked holes.



Figure 8 - Pilot drill the center-punched hole locations

13. Finish drilling the holes using the provided 3/16" stubby drill bit.
    a. A 90° drill is required to drill the frontmost holes due to the clearance by the front door.
    b. Apply Permatex rust preventative to the newly drilled 3/16" holes.

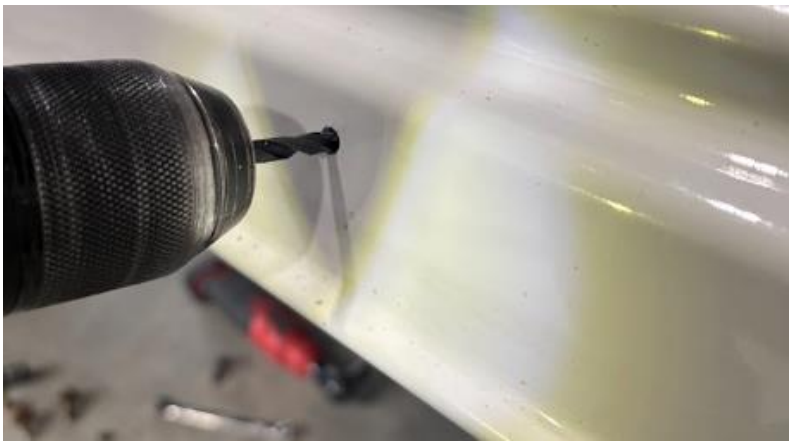




Figure 9 - Drill to 3/16" and apply rust preventative

14. Begin to remount the Rocker Protection onto the vehicle by loosely re-installing the three M6 bolts (or factory power step bolts) into the existing pinch weld holes.
    a. Support the Rocker Protection with the floor jack
15. Insert the rivets through the Rocker Protection into the holes on the body, using them as locating pins.
    a. **NOTE:** DO NOT set (fully install) the rivets yet.





Figure 10 - Place all rivets before setting

    b. The rivets will be a tight fit.
        i. Pushing the rivet head using a 5mm deep socket or similar can help fully set them into place.

ii. Refrain from hamming/tapping the rivets into place if they will not fit as this could dent the rocker panel on the vehicle.

c. For any winked (mis-aligned) holes, use the 3/16” drill bit to clean up the hole.



Figure 11 - Correct any winking holes and apply rust preventative

i. Apply Permatex rust preventative on the body and Rocker Protection that required extra drilling. The rust preventative can be applied to the rivet to reach into the holes.

16. Make a visual assessment of the front edge gap as shown in Figure
    a. Adjust the front edge gap by tightening and/or loosening the two pinch weld bolts so that the gap between the rocker panel and the Rocker Protection is minimized

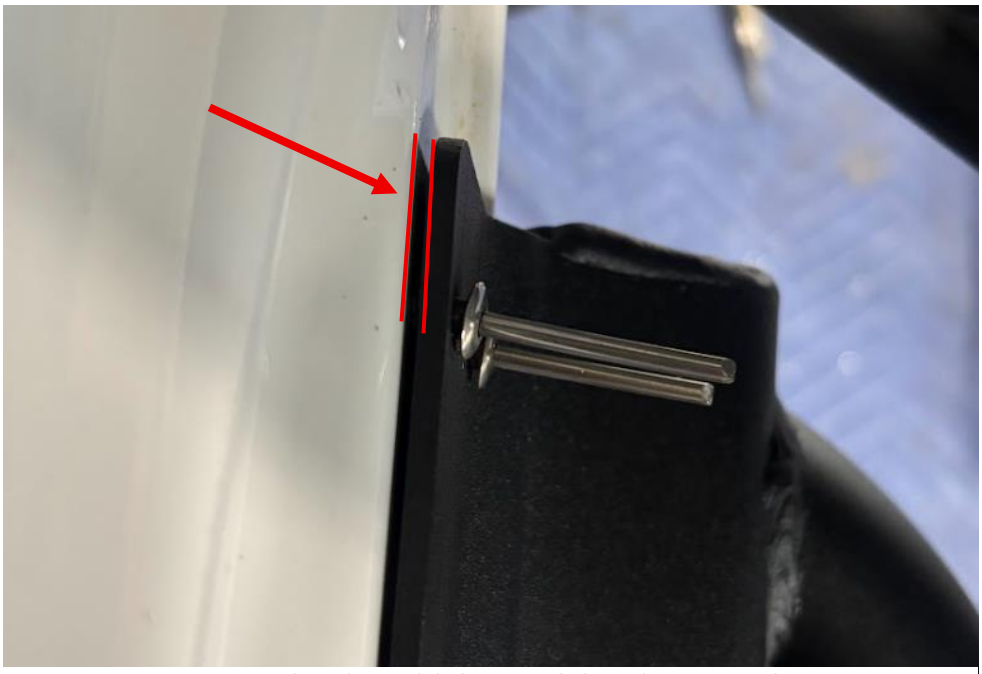


Figure 12 - Adjust the pinch bolts as needed to achieve minimal gap

17. Repeat Step 16 for the rearmost edge of the Rocker Protection

18. **IMPORTANT NOTE:**
    a. The order of rivet installation is important for best fitment.
    b. If using a power rivet tool, it is likely a hand rivet tool is still required for the two frontmost rivets due to clearance around the front door.
19. Starting from the front of the Rocker Protection and working rearward, begin to set the rivets.

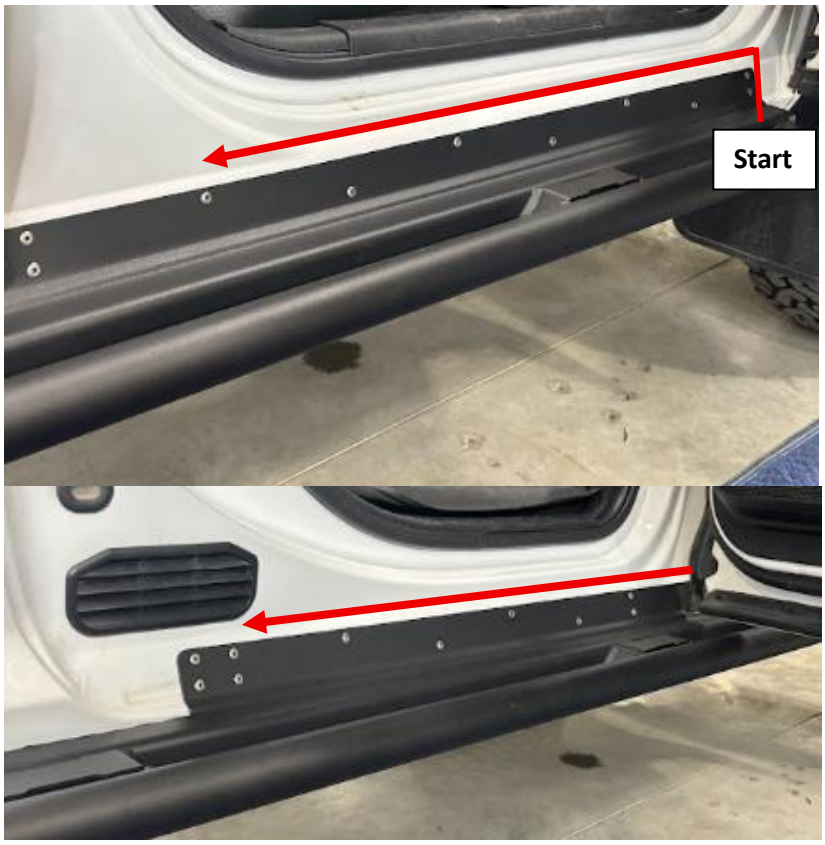


Figure 43 - Set rivets starting at the front of the vehicle

20. Once all rivets are installed, drill out the remaining holes along the pinch weld for the M6 bolts with a ¼" drill bit.
    a. Apply rust preventative to newly drilled holes along the pinch weld.



Figure 14 - Drill for pinch-weld bolts

21. Install the M6 bolts along the pinch weld. The smaller washers go on the bolt head side, larger washers on the nut side.
    a. Tighten to 7 ft lbs.



Figure 15 - Install pinch weld bolts with small washers against the Rocker Protection

22. Once the Rocker Protection is fully fastened to the truck, it is recommended to apply a black seam sealer along top edge of the part. This will prevent debris from getting trapped between the Rocker Protection and the door sill.
    a. For best results, apply masking tape so that only the seam along the top of the part is exposed
        i. Apply a bead of seam sealer on the seam between the Rocker Protection and door sill.

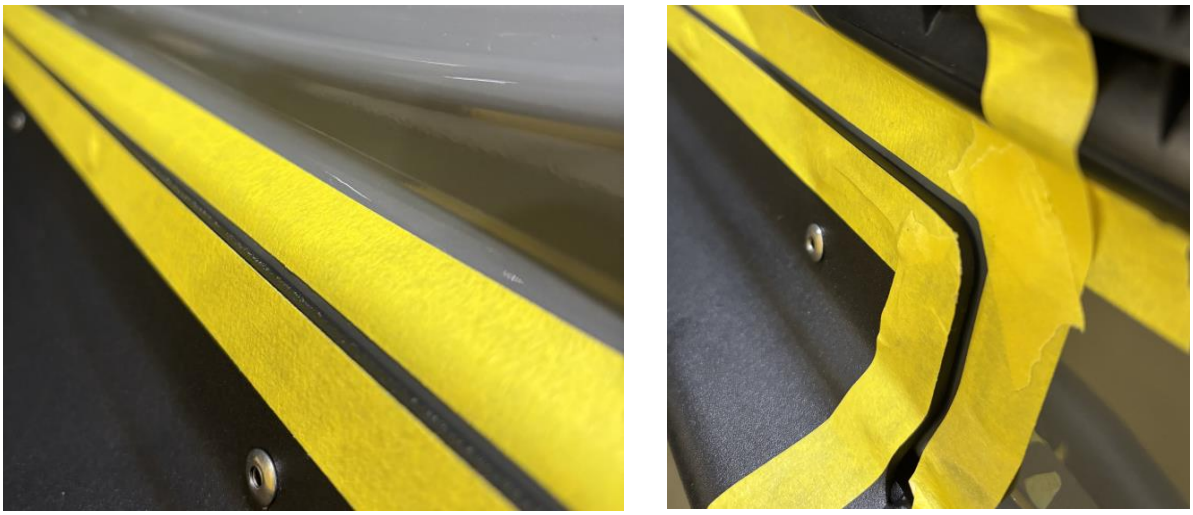


Figure 16 - Masking tape applied, prepping for seam sealer



Figure 17 – Seam sealer applied

23. Proceed installing the Rocker Protection to the other side of the vehicle using the same steps.
24. (Optional) Install plugs in holes on bottom side of the part – 2 per side.
25. Rocker Protection installation is complete.