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Adventure Series Rock Sliders Jeep Grand Cherokee (ZJ)

Installation Instructions

Congratulations for purchasing a TNT Customs, Inc. Extreme Duty Rock Sliders for your Jeep Grand Cherokee. Begin by unpacking your kit and comparing the contents to the packing list provided as appendix "A" to this manual. Please observe proper shop safety procedures when performing this install. Use proper eye and hearing protection as required and use safe jack stands/supports, place appropriately for supporting the vehicle while you work on it.

PLEASE READ these Installation Instructions carefully, and save them for future reference, as they contain important installation and maintenance information.

Warning

INTENDED FOR VEHICLES WITHOUT PRE-EXISTING DAMAGE to the rocker panels or pinch welds. If damage already exists in these areas, Rock Sliders may still be installed as long as damage is not too severe and pinch welds have been properly straightened, or repaired if necessary.

TRIM PLASTIC SILL MOLDING (*if equipped*) some models have plastic molding covering the rocker panels. If equipped, the lower edge must be trimmed prior to installing the Rock Rails.

IMPORTANT: *Plastic sill molding is not equipped on all models. If vehicle has painted sheet metal rocker panels, disregard and proceed to the main installation.*

- Measuring 2" from the outboard side of the metal pinch weld, draw a straight "trim line" along the bottom of plastic sill molding.
- Remove the plastic molding from the lower rocker panel per the factory service manual for your vehicle.
- Carefully cut plastic sill molding along "trim line" and discard remnants.
- Re-attach plastic sill molding to rocker panels using the supplied black Sheet Metal Screws



Tools Required

Socket Wrench Set
Clamps
Tape Measure
Jack Stands
Floor jack
Reciprocating Saw or Die Grinder with Cut-Off Wheel (for cutting pinch weld)
Drill
13/64" Drill Bit
11/32" Drill Bit
Welder *
Satin Black Spray Paint
Factory Service Manual (recommended)

Asterisk denotes tools that are required for the optional installation.

Thoroughly read instructions first to determine which tools will be required for your application.

STEP 1: Placement

Begin by placing the appropriate rail under your Jeep. Rails can be identified as left and right by the support tubes that have a slight bend. The support tubes with the bend goes towards the rear of the vehicle. Place the rail under the rocker panel and up tight against the pinch seam. Ensure that the rail is centered on the rocker panel between the wheel openings. In the steps that follow you will cut the pinch seam to allow the support tubes and pinch seam mount to sit flush against the bottom of the rocker panel for minimum loss in ground clearance. When satisfied with placement of the rail, mark the location of where the support tubes intersect the pinch seam as shown in the picture below:



STEP 2: Pinch Seam

Using an appropriate cutting device trim the pinch seam on the marks you made in the previous step. Cut the entire marked area away, do not cut and fold the pinch seam as you will not have enough space for the pinch seam mount to fit in it's optimal position against the bottom of the rocker panel. A properly trimmed pinch seam is shown below.



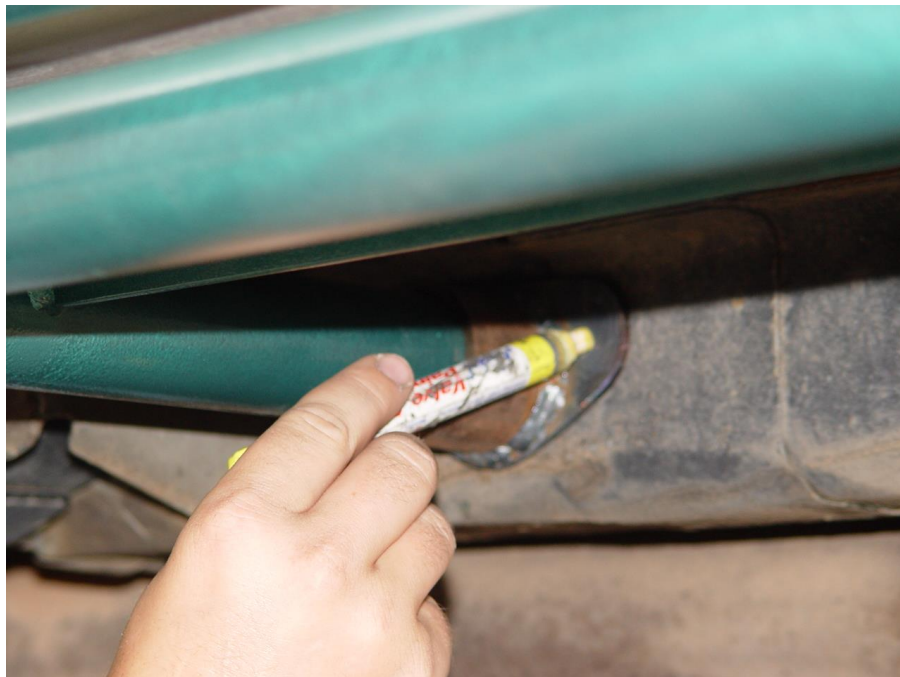
STEP 3: Pinch Seam

Place the rock slider up against the rocker panel ensuring the support tubes go up into the clearance windows you cut in the previous step. Trim as needed for proper fitment. When satisfied with the fit, place a jack under the center of the rock slider and jack the slider up tightly against the bottom of the rocker panel. The pinch seam mount of the slider must fit tightly to the rocker panel for the best outcome. Clamp the pinch seam mount on the slider to the pinch seam. Using a suitable marking device, mark a hole to be drilled on either side of each support tubes and one fastener centered between each support tube– use 8 fasteners per pinch rail mount. Drill through the pinch seam and pinch seam mount with a 13/64" drill bit to create a pilot hole for the self tapping fasteners.

STEP 4: Mounting Cups

Please refer to Appendix A for optional mounting cup installation

Place a mounting foot on each of the three support tubes. Place the rail under the rocker panel and secure the slider to the pinch seam with the 1/4" X 1" self tapping screws provided in the hardware kit. Using a floor jack or suitable device placed under the center support tube; raise the support tube until you have approximately 1" clearance between the door hoop and the bottom of the door with the door partially open. Only slight pressure is needed, and is mainly needed to support the rail in its proper alignment. When satisfied with the rail placement slide the mounting cups tight to the chassis and with a suitable marking device mark the holes in the mounting cups on the chassis as shown in the picture below.



Remove the rail assembly from the vehicle and drill the mounting cups bolt holes that you just marked with an 11/32" drill bit.

STEP 5 – Final Assembly:

Select the 3/8" self tapping screws provided in the hardware kit and bolt the mounting cups to the chassis. Do not tighten at this time. Slide ends of the support tubes into the mounting cups and lift the rail up to the rocker panel. Secure the pinch seam mount to the pinch seam with 8 – 1/4" X 1" self tapping screws. Tighten all bolts at this time beginning with the pinch seam mount. Use caution when tightening the self tapping screws.



STEP 6 – Through Bolts

Using the holes in the mounting cups as a guide, drill a 3/8" hole through each support tube. Insert a 3/8" X 2 1/2" bolt and secure with a 3/8" nylock nut.

STEP 7 – Test

Go to your favorite trail and test. Enjoy the minimum loss of ground clearance with our high mounting system and enjoy total piece of mind knowing you have the best rocker panel protection on the market. Thanks for choosing T&T Customs!



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Appendix A

Parts List:

- 1 – Left Rail
- 1 – Right Rail

Hardware kit:

- 6 – Mounting Cups
- 12 – 3/8" X 1" self tapping screws
- 16 – 1/4" X 1" self tapping screws
- 6 – 3/8" X 2 1/2" Grade 5 Bolts and lock nuts

Mounting Cup optional install procedures:

TNT Customs, suggests installing our Adventure Series Rock Sliders and HD Chassis Stiffeners for the ultimate platform to protect the under side of your Jeep. We only suggest the following procedure to be performed if our HD Chassis Stiffeners are installed.

Place a mounting foot on each of the three support tubes. Place the rail under the rocker panel and secure the rail to the pinch seam with the 1/4" X 1" self tapping screws provided in the hardware kit. Using a floor jack or suitable device placed under the center support tube; raise the support tube until you have approximately 1" clearance between the door hoop and the bottom of the door. Only slight pressure is needed, and is mainly used to support the rail in its proper alignment. When satisfied with the rail placement slide the mounting cups tight to the chassis.

We recommend a qualified welder perform the following:

With the mounting cups placed firmly against the HD Chassis Stiffeners weld the mounting cups directly to the Stiffeners for the ultimate in mounting strength. Do not weld the support tubes to the mounting cups, only weld the mounting cups to the chassis. Welding the support tubes to the cups will prevent you from ever removing the rock sliders from the vehicle. Continue with the installation at STEP 5; disregard all references to the self tapping screws.