

Toyota Defiant Armor Differential Guard for Hilux Pickup / 4Runner, Tacoma 8" (SKU# TAR-DG)

Installation Instructions



CAUTION: Safety glasses should be worn at all times when working with vehicles and related tools and equipment.



Suggested Tools:

- MIG (or Stick) Welder
- Angle Grinder
- Flexible Grinding Pad
- Spray Paint

FOR ADDITIONAL COPIES OF THESE AND OTHER INSTRUCTIONS GO TO:
www.lowrangeoffroad.com and click on the "TECH AND INSTRUCTIONS" tab.



Step 1

Hold the differential armor in position where it is to be welded. Notice the locations on the differential housing where the welding will be applied.



Step 2

Remove any rust, paint or undercoating where the welds are to be made, using a flexible grinding pad.



Step 2 Continued

Rear axle assembly ready for welding.

Note: We also recommend painting the area of the differential (circled in red) that will be covered by the differential armor. Keep paint away from the area to be welded.



Step 3

Position the armor on the differential. While holding the armor in place, tack weld it in at least 8 places.

Note: Insure the access hole aligns with the fill & check plug so that a socket can be used for removal.





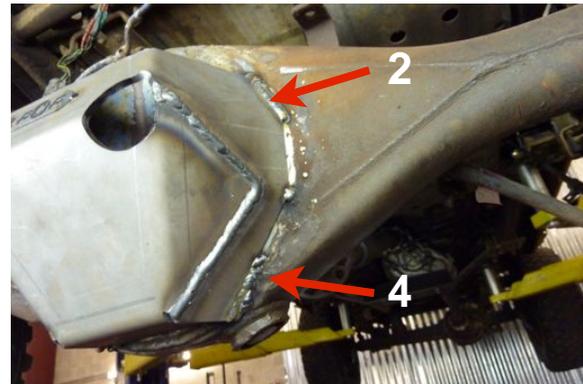
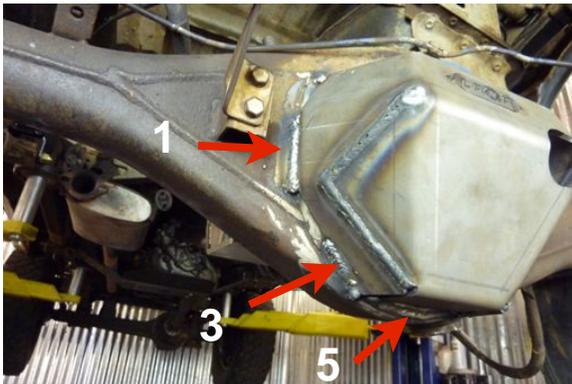
Tech Tip

Tach Weld Locations - Driver Side



Tech Tip

Tach Weld Locations - Passenger Side



Step 4

The differential armor will need to be welded all the way around; wherever it contacts the differential. However, it is not wise to weld it, all the way around, in one continuous bead. This can cause the rear axle housing to warp. Therefore, we recommend making a 2" long bead, skip a 2" long space and make another 2" long bead; continuing this process all the way around the armor. We number the welding sequence we used in the pictures above as a suggestion.





Step 5

Then let things cool-off for a while. About 20 minutes should be enough. Longer would be better, if you have time.



Step 6

After things have cooled off, weld the "skipped" spaces.

Note: The differential armor should be completely welded wherever it contacts the differential housing.



Step 7

Paint all the exposed surfaces to improve appearance and reduce the risk of rust.



Step 8

This is what the job should look like when completed.





Congratulations

We hope you enjoy your Low Range
Off-Road Differential Armor.



As always, If you experience any difficulty during the installation of this product please contact Low Range Off-Road Technical Support at 801-805-6644 M-F 8am-5pm MST. Thank you for purchasing from Low Range Off-Road.



These instructions are designed as a general installation guide. Installation of many Low Range Off-Road products require specialized skills such as metal fabrication, welding and mechanical trouble shooting. If you have any questions or are unsure about how to proceed, please contact our shop at 801-805-6644 or seek help from a competent fabricator. Using fabrication tools such as welders, torches and grinders can cause serious bodily harm and death. Please operate equipment carefully and observe proper safety procedures.

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