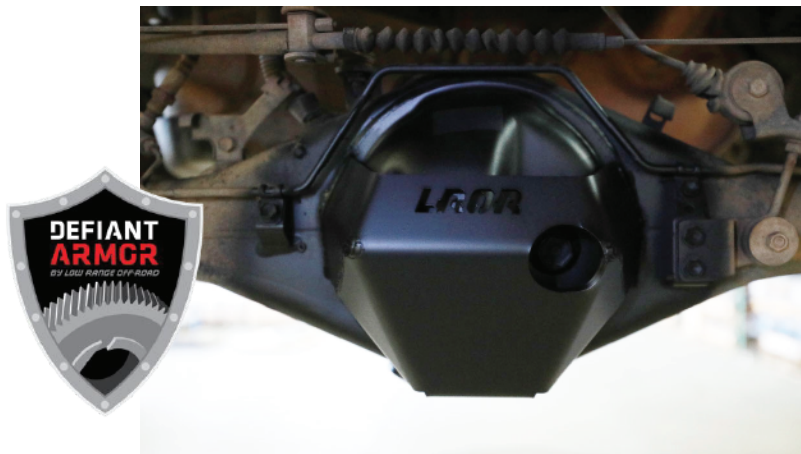


Toyota Defiant Armor Differential Guard for Hilux Pickup / 4Runner, Tacoma 8" (SKU# TAR-DG)

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:

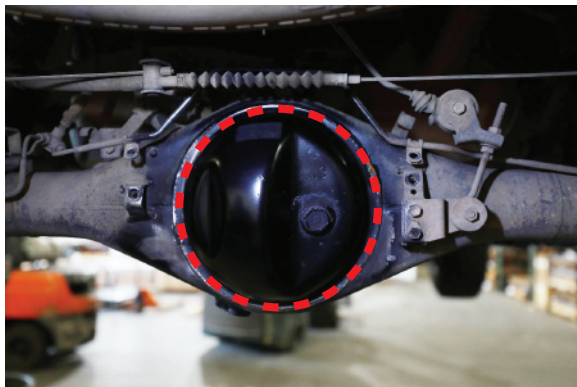
www.lowrangeoffroad.com and click on the "TECH AND INSTRUCTIONS" tab.

Step 1

Hold the differential armor in position where it is to be welded. Mark the locations on the differential housing where the welding will be applied. Be sure that the fill plug is lined up with the hole in the armor to ensure easy removal of the plug with a socket.



Tech Tip: At this point we recommend painting the area of the differential (circled in red) that will be covered by the differential armor.



Step 2

Remove any rust, paint, and undercoating where the welds are to be made using a flexible sanding pad or wire wheel. On some models you may need to unbolt the brake line mounts and gently bend the brake lines out of the way to thoroughly remove all surface contaminants. Do not disconnect the brake lines, if you do, you will need to bleed your brakes when you reconnect them.



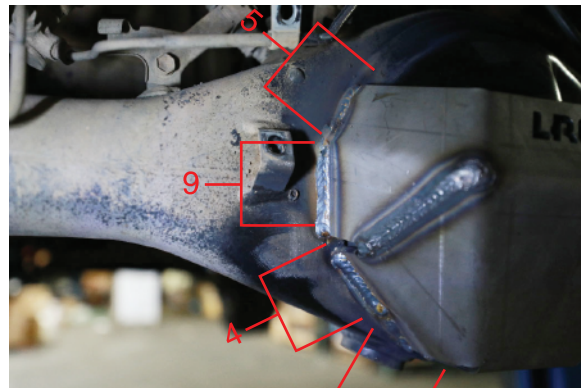
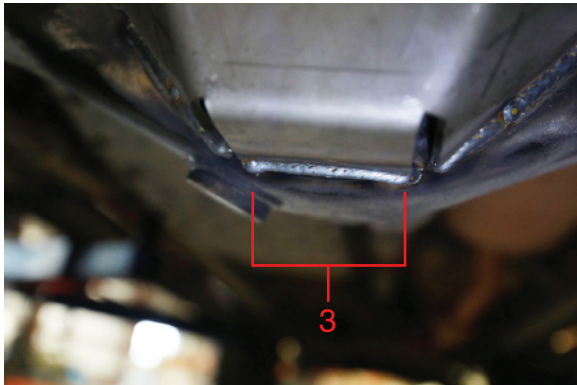
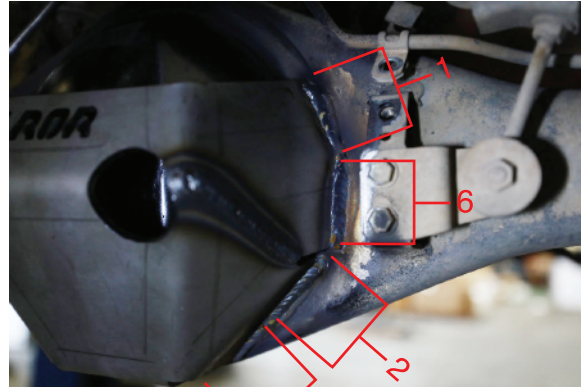
Step 3

Position the armor on the differential. Be sure that the fill plug is lined up with the hole in the armor to ensure easy removal of the plug with a socket. While holding the armor in place, tack weld the armor to the differential housing in at least 8 places.



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 minute 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

Reinstall any brake line mounting bolts or other hardware that was temporarily removed for easier access around the differential armor. At this point you can install the new Low Profile Magnetic Drain Plugs and steel washers provided with this kit.





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.

Rock crawling and off-road driving are inherently dangerous activities. Some modifications will adversely affect the on-road handling characteristics of your vehicle. All products sold by Low Range Off-Road are sold for off road use only. Any other use or application is the responsibility of the purchaser and/or user. Some modifications and installation of certain aftermarket parts may under certain circumstances void your original dealer warranty. Modification of your vehicle may create dangerous conditions, which could cause roll-overs resulting in serious bodily injury or death. Buyers and users of these products hereby expressly assume all risks associated with any such modifications and use.

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