

# INSTALLATION INSTRUCTIONS



## INSTALLATION INSTRUCTIONS FOR 16+ TACOMA 8.75" DIFFERENTIAL ARMOR, KIT TGI-308499

	<b>NOTICE</b> Read instructions completely before installing this product. Refer back to the instructions frequently during installation.		<b>CAUTION</b> Flying Object Hazard. Fluid Splash Hazard. Wear safety glasses at all times when working on vehicle.
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**WARNING**  
Cancer and Reproductive Harm –  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



### 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. At this point we recommend painting the area of the differential, if needed, (circled in red) that will be covered by the differential armor.



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## 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 after you reconnect them.



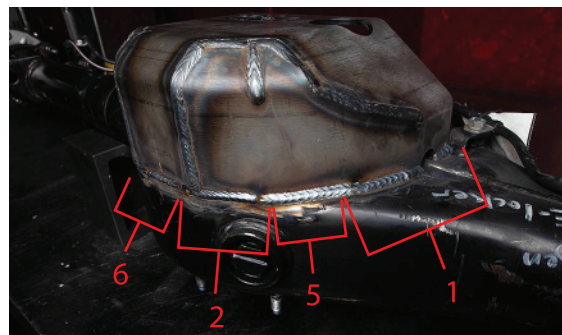
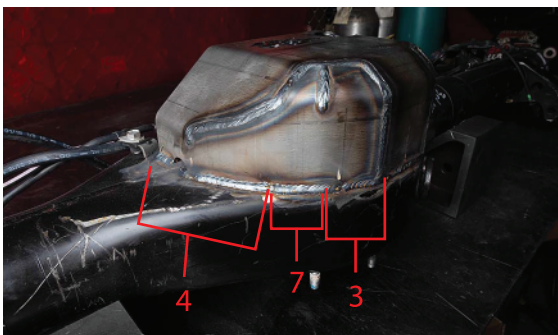
## STEP 3

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 as a suggestion.



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## STEP 5

Let the differential armor 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.

## STEP 7

Paint all the exposed surfaces to improve the 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.