



Getrag Differential install guide

Mount the differential into the rear mount:

1. The rear mount (cross bar) bolts to the back side of the differential ears using the supplied 14mm fasteners. Torque fasteners 95ft=lbs. You may choose to add a small amount of non-permanent loctite to the fasteners. Place the mounted differential into the subframe back over the factory studs. Install the OEM large washer (black plates with rubber knobs). With the differential in place, the general area where the tabs will be welded is noticeable. Remove the paint from this area and prep for welding.

Front differential mount plates:

2. Attach the front differential mounting plates with the supplied hardware. The diff needs to be mounted 1.5 degrees up. Set the subframe and differential on a level surface. To verify that the subframe is level an angle finder can be placed on the four brace mounting points. Once level, place the angle finder on the pinion flange to determine the degree of the differential – a good starting point is three inches from the pinch weld in the subframe to the bolt center. There will be a small gap between the subframe and plates, a spacer may be used if desired, and the plates can be trimmed as needed to clear the subframe or differential case.



2. After locating the correct angle, clamp the plates in place and tack them to the subframe.

3. Remove the clamp and weld the plates in place. You may choose to add a spacer between the plates to weld aid in welding deflection. After welding, use some paint to prevent the surfaces from rusting.

Nose bushing:

Check the nose bushing for wear and tear. If there is any sign of damage replace the bushing. For minimal increase in NVH the OEM rubber bushing is the best option. For performance applications, Creative Steel offer different durometer ratings.

<https://creative-steel.com/shop/cadillac/cts-v-year-04-07/bushings-tools/04-07-cts-v-rear-differential-bushing/>