



09-15 CTS-V Differential Bushings Installation

Important: The OEM bushings have a metal sleeve that needs to be removed before our bushings can push into the differential. This may require removing the differential from the vehicle. Make sure you have ample time for this procedure before attempting the installation.

1. Raise and support the vehicle. Chalk front wheels.
2. Remove rear section of exhaust.
3. Mark the clocking of the driveshaft and pinion flange of the differential with a paint pen. Disconnect driveshaft from differential.
4. Remove differential and the bushings that are pressed into the housing.
5. Clean the bores of any rust, debris, or sharp burrs.
6. On the large section of the bushing (flange) it will have what section of the differential the bushing is pressed into.
 - 6a. The front differential bushings are pressed into the two vertical bores closest to the driveshaft. All these bushings are the same for the top, as well as the bottom. Push the bushings into the bores, grease the inside of the bushings and push the bushing tube in until it is flush. Wipe away an excess grease.

6b. The rear differential bushings get pressed into the rear horizontal bore. The bushings have two different flange thicknesses. The “Rear Driver Diff Bushing” gets pressed in from the driver side of the differential, and the “Rear Passenger Diff Bushing” gets pressed in from the passenger side. Push the bushings into the bores, grease the inside of the bushings and push the bushing tube in until it is flush. Wipe away an excess grease.

7. Install differential.

7a. Tighten two front differential mounting bolts to 129 lb ft.

7b. Tighten rear differential mounting bolt and nut to 162 lb ft.

8. Install driveshaft at proper clocking you marked with the paint pen.

9. Install exhaust.

Enjoy.

If you have any questions, please give us a call.

Creative Steel

503-316-1811

M-F 8:30am – 5:00pm PST