

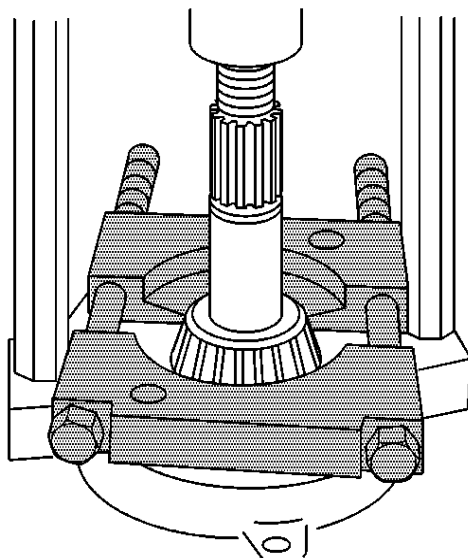
Differential Drive Pinion Gear Bearing Replacement (8.6 Inch, 9.5 Inch Axle)

Tools Required

- [J 7818](#) Inner Bearing Race Installer
- [J 8092](#) Universal Driver Handle $\frac{3}{4}$ in-10
- [J 8608](#) Rear Pinion Bearing Race Installer
- [J 8611-01](#) Rear Pinion Bearing Race Installer
- [J 22306](#) Pinion Cup Bearing Installer - Rear
- [J 22912-B](#) Split Plate Bearing Puller
- [J 24433](#) Pinion Cone and Side Bearing Installer
- [J 36614](#) Inner Pinion Bearing Installer

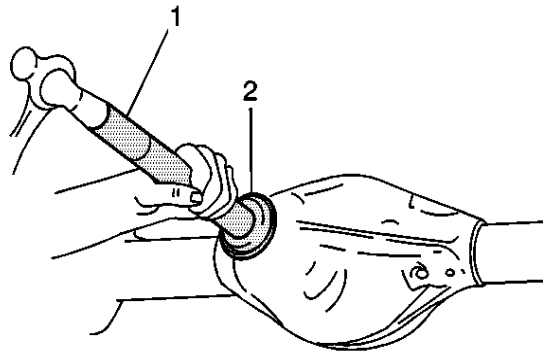
Removal Procedure

1. Raise the vehicle.
2. Remove the tire and wheel assemblies.
3. Remove the brake drums
4. Remove the axle shafts.
5. Remove the differential.
6. Remove the drive pinion from the axle.

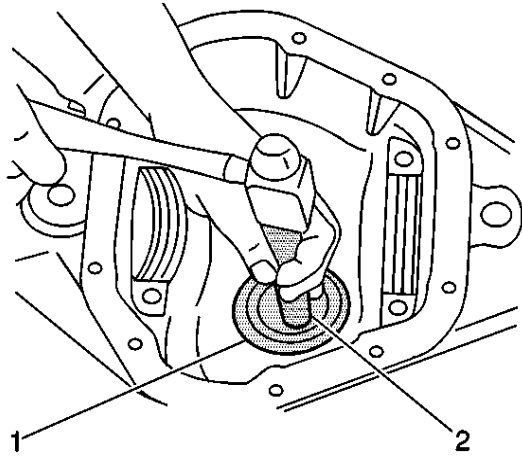


7. Press the bearing off of the pinion using the [J 22912-B](#) .
8. Remove the shim.
9. Remove the drive pinion bearing cups from the axle housing using a hammer and a brass drift in the slots provided. Move the drift back and forth between one side of the cup and the other in order to work the cups out of the housing evenly.

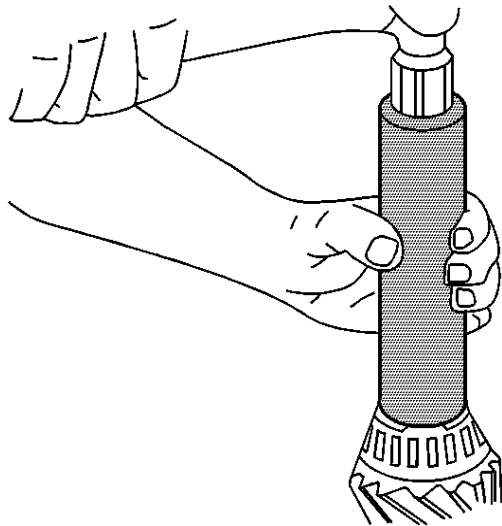
Installation Procedure



1. Install the outer pinion bearing cup using the [J 8611-01](#) (8.6 inch axle) (2), or the [J 7818](#) (9.5 inch axle) (2) and the [J 8092](#) (1).



2. Install the inner pinion bearing cup using the [J 8608](#) (8.6 inch axle) (2), or the [J 22306](#) (9.5 inch axle) (2) and the [J 8092](#) (1).
3. Determine the selective shim thickness for the pinion.



4. Install the selective shim between the inner pinion bearing and the shoulder on the gear.
5. Install the inner pinion bearing using the [J 24433](#) (8.6 inch axle) or the [J 36614](#) (9.5 inch axle).

Press the bearing on until the cone seats on the pinion shim.

6. Install a new collapsible spacer.
7. Install the pinion into the axle housing.
8. Install the outer pinion bearing onto the pinion.
9. Install a new pinion oil seal and the pinion yoke.
10. Install the differential.
11. Install the brake drums.
12. Install the tire and wheel assemblies.
13. Fill the axle with lubricant. Use the proper fluid.
14. Lower the vehicle.