

Rear Axle Hub, Bearing, Cup, and/or Seal Replacement

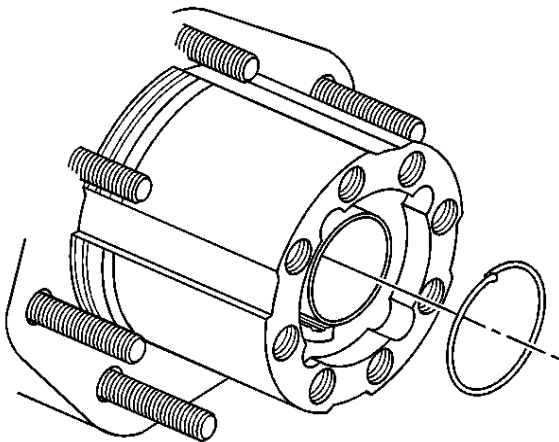
Special Tools

- [J 8092](#) Universal Driver Handle - 3/4 inch - 10
- [J 2222-C](#) Wheel Bearing Nut Wrench
- [J 24426](#) Wheel Bearing Race Installer - Outer
- [J 24427](#) Wheel Bearing Race Installer - Inner
- [J 44419](#) Hub Outer Bearing Race Installer
- [J 44420](#) Differential Bearing and Hub Seal Installer

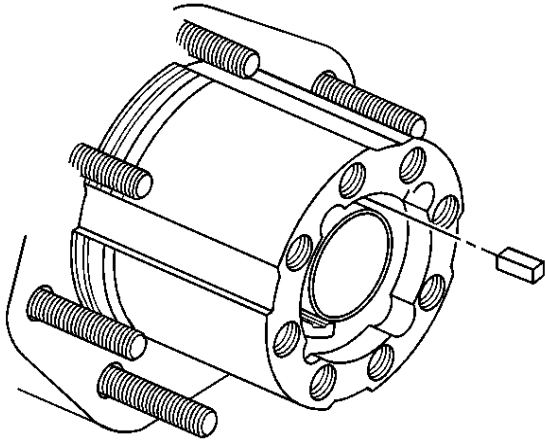
Removal Procedure

Important: The wheel hub seal must be replaced anytime the wheel hub assembly is removed from the axle housing.

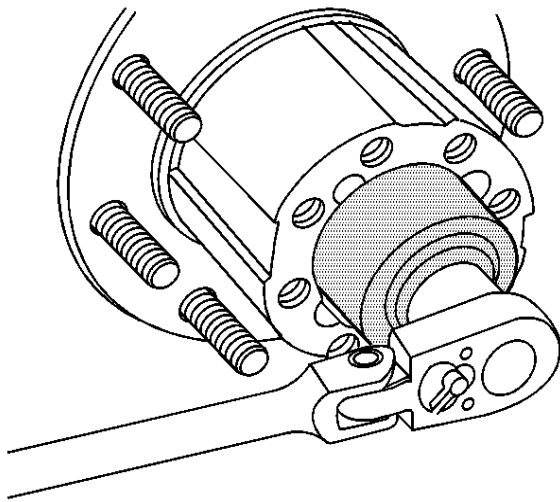
- Raise the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
- Remove the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
- Remove the brake caliper bracket. It is not necessary to remove the brake caliper from the bracket. Refer to [Rear Brake Caliper Bracket Replacement](#).
- Remove the axle shaft. Refer to [Rear Axle Shaft and/or Gasket Replacement](#).



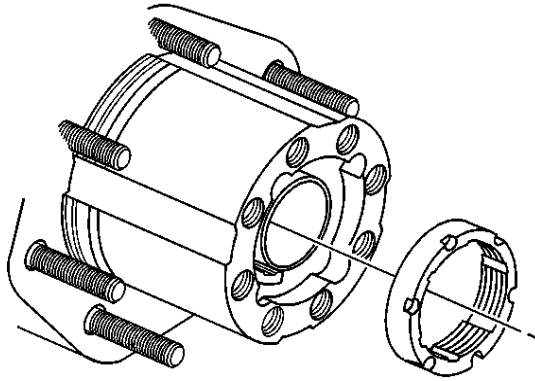
- Remove the axle nut retaining ring.



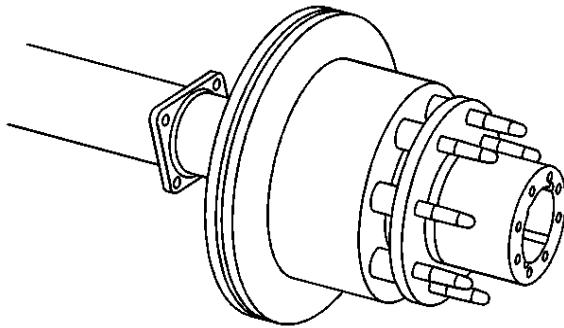
- Remove the key.



- Remove the adjusting nut using the [J 2222-C](#) .

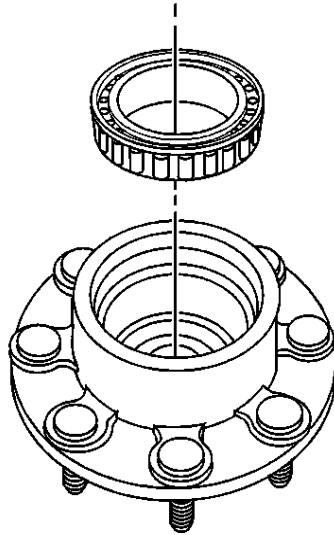


- Remove the adjusting nut.

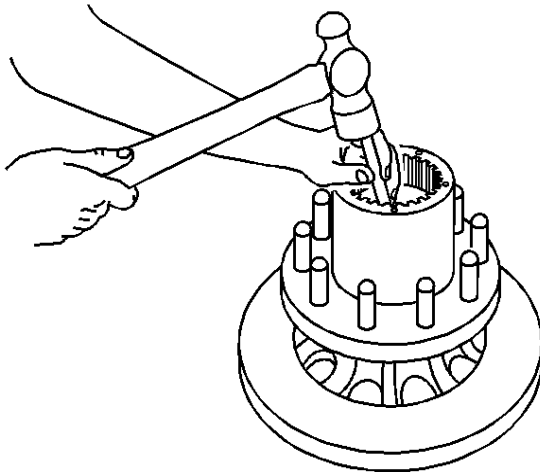


Important: Inspect the axle spindle to ensure that the hub seal has not remained on the axle. The hub seal must be removed before the hub assembly can be installed.

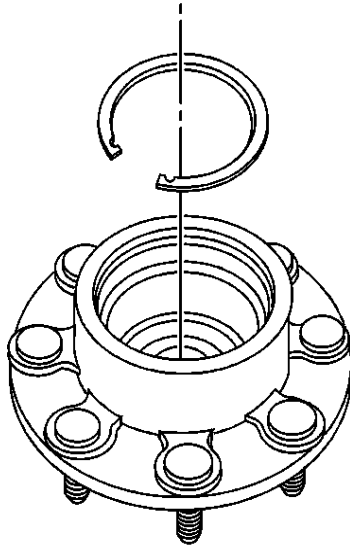
- Remove the hub from the axle housing.
- Remove the rotor, if necessary. Refer to [Rear Brake Rotor Replacement](#).
- Remove the oil seal from the wheel hub using a suitable seal removal tool.



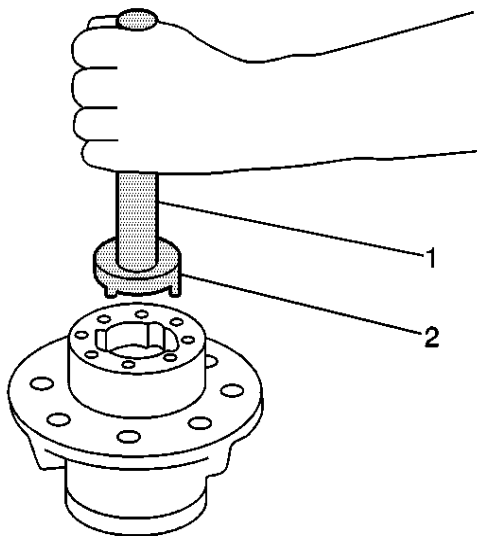
- Remove the inner hub bearing.



- Remove the inner hub bearing cup using a brass drift and a hammer.



- Remove the retaining ring from the wheel hub.

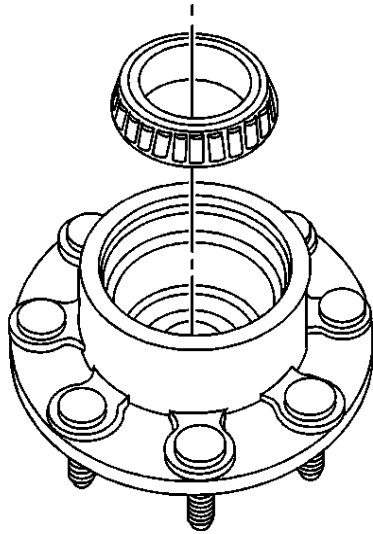


- Remove the outer hub bearing and bearing cup using the [J 24426](#) (2) and the [J 8092](#) (1).

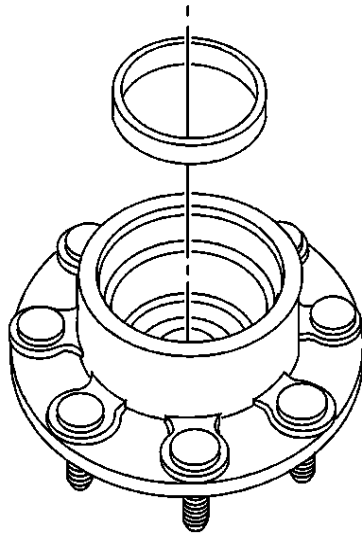
Installation Procedure

- Lubricate the following with a light coat of high melting point EP bearing lubricant:
 - The outer wheel bearing
 - The inner wheel bearing
 - The outer wheel bearing cup
 - The inner wheel bearing cup

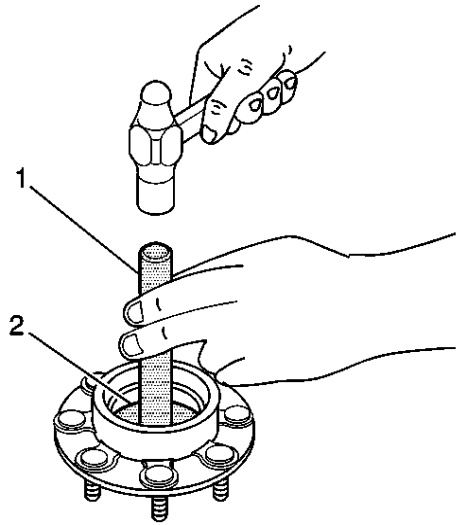
- The axle hub spindle



- Install the outer bearing into the wheel hub.

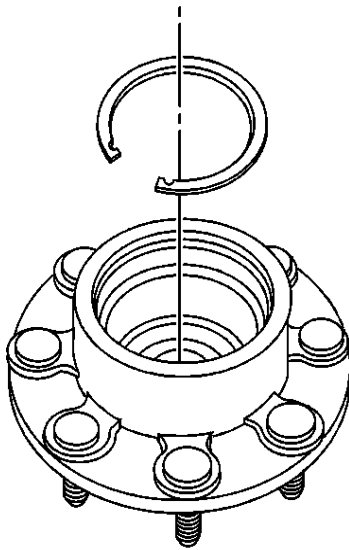


- Install the outer bearing cup into the wheel hub.

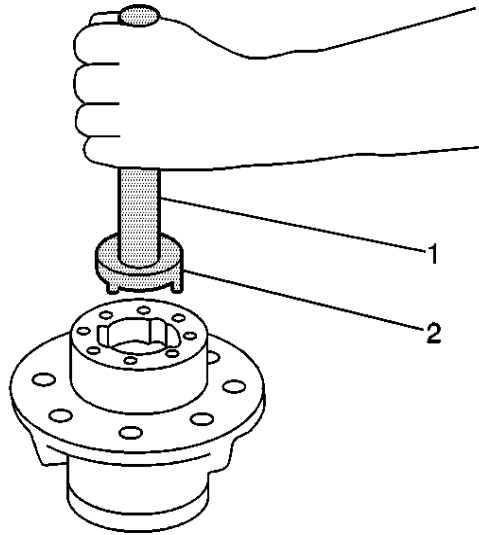


- Drive the outer bearing cup into the wheel hub using the [J 44419](#) (2) and the [J 8092](#) (1).

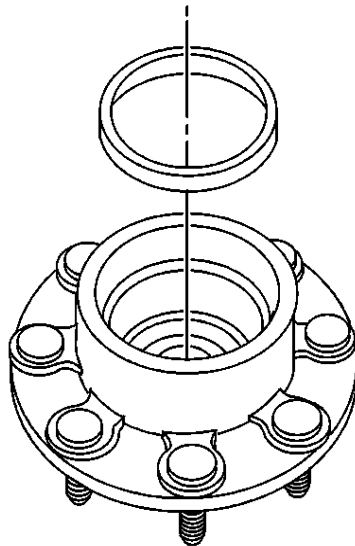
Drive the outer bearing cup into the wheel hub until it is just past the retaining ring groove. Do not bottom out the bearing assembly in the bore.



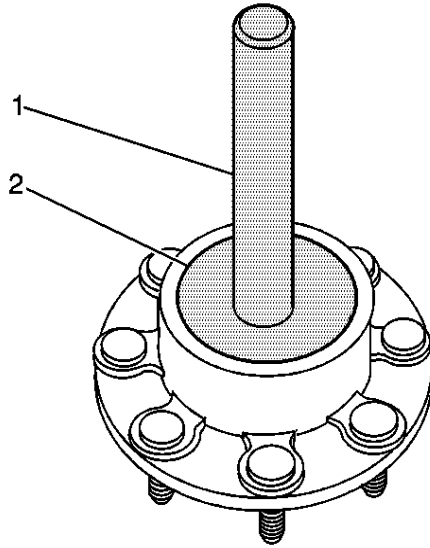
- Install the retaining ring into the groove. Make sure the retaining ring is fully and evenly seated in the groove.



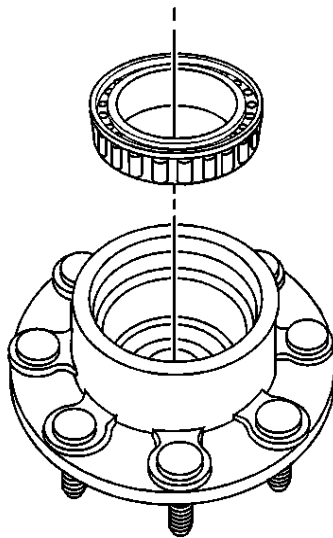
- Turn the wheel hub over and seat the outer bearing assembly against the retaining ring using the [J 24426](#) (2) and the [J 8092](#) (1).
- Ensure that the outer bearing assembly rotates freely in the hub.



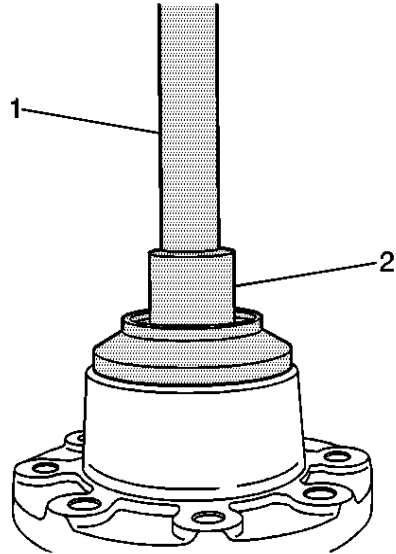
- Turn the wheel hub over and install the inner bearing cup.



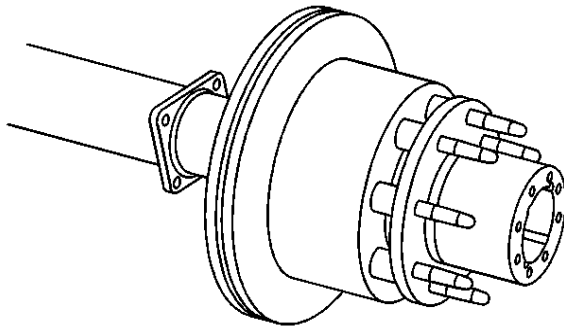
- Drive the inner bearing cup into the wheel hub using the [J 24427](#) (2) and the [J 8092](#) (1).



- Install the inner bearing.

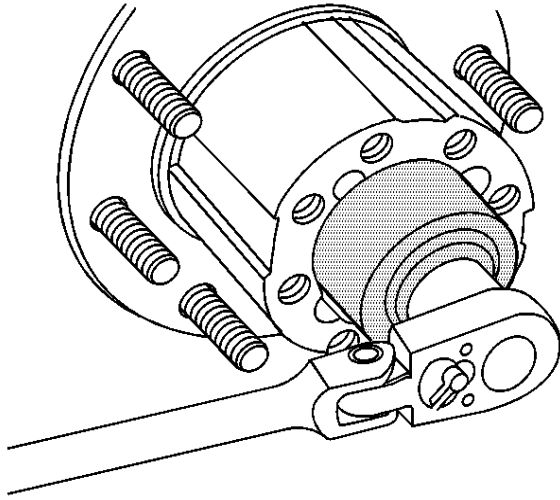


- Using the [J 44420](#) (2) and the [J 8092](#) (1), install the new oil seal. Ensure the seal is fully seated in the hub bore.
- Install the rotor, if necessary. Refer to [Rear Brake Rotor Replacement](#).
- Apply a light coat of high melting point EP bearing lubricant to the axle housing spindle.



Important: If the wheel hub assembly does not fully seat itself onto the axle shaft spindle and is removed, the wheel hub seal must be replaced.

- Install the wheel hub to the axle housing.



- Install the adjusting nut to the hub using the [J 2222-C](#) .
- Adjust the wheel bearings. Refer to [Wheel Bearing Adjustment](#).
- Install the axle shaft. Refer to [Rear Axle Shaft and/or Gasket Replacement](#).
- Install the brake caliper bracket. Refer to [Rear Brake Caliper Bracket Replacement](#).
- Install the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
- Inspect and add axle lubricant to the axle housing, if necessary. Refer to [Rear Axle Lubricant Level Inspection](#).
- Lower the vehicle.