



## Complete Axle Assemblies

Refer to the authorized original equipment service manual for detailed installation instructions. If you do not have the experience, proper tools or manuals, please seek the services of a qualified technician.



**Replacement TIME:**

**4 hrs**

## COMMON SYMPTOMS

- Howling or whining
- Rumbling or whirring
- Cracked axle tubes
- Clunking when turning
- Vibration
- Noisy while in drive or coasting
- Noisy in turns
- Intermittent or constant noise

## MYTH BUSTER

**Myth:** I can run the stock axle gear ratio with oversized tires

**Busted:** Going from a stock diameter tire to a larger diameter tire can affect the amount of available torque to the wheels. A vehicle with oversized tires that is not equipped with the correct axle gear ratio can exhibit increased stress at the axle assembly and the driveline, poor engine performance, poor fuel economy and inaccurate speedometer /odometer readings. Changing to an oversized tire will affect the final drive performance, the anti-lock braking system and traction control system resulting in multiple trouble codes being set and the possibility of an accident. The replacement axle is a stock gear ratio. Some vehicles will require tire ratio programming if using larger than stock tires; however, there may be limitations on the tire size that can be used based on the software programming.



**SKILL LEVEL:**

Service Technician

**B**

or higher

## TIPS

- To prevent personal injury and/or component damage, support the differential case when removing the case from the axle housing. If the case is not supported, the differential case could fall and be damaged or cause personal injury.
- Ensure the parking brake shoe clearance adjustment is performed.
- When replacing the differential oil, use only hand tools to remove and install the drain and fill plugs. Note: only certain applications have a drain plug.
- When an axle is suspected of being noisy, make a thorough test in order to determine whether the noise originates in the tires, road surface, wheel bearings, engine, transmission, propeller shaft or axle assembly.
- When removing connected parts made of a light alloy, such as front and rear differential carrier covers, tap them off with a plastic hammer. Do not attempt to pry them off with a screwdriver.
- Certain axle assemblies are equipped with a vent hose. Ensure the hose is free of kinks, dirt and mud. Route the vent hose clear of sharp components and secure properly.
- The weight of the vehicle must be supported by the springs before suspension arms and track bar fasteners can be tightened. If the springs are not at their normal ride position, vehicle ride height and handling could be affected.

## BEST MAINTENANCE PRACTICES

Follow the O.E. manufacturer's specified intervals for inspecting oil level and replacement. Only use the oil type, capacity and classification required.

**GOT QUESTIONS ABOUT THIS PART?**  
**CALL 888-280-8324**

Monday-Friday