

## WHEEL DRIVE SHAFT REPLACEMENT...

### WHEEL DRIVE SHAFT REPLACEMENT (WHEEL DRIVE SHAFTS)

Document ID# 601985

## Wheel Drive Shaft Replacement

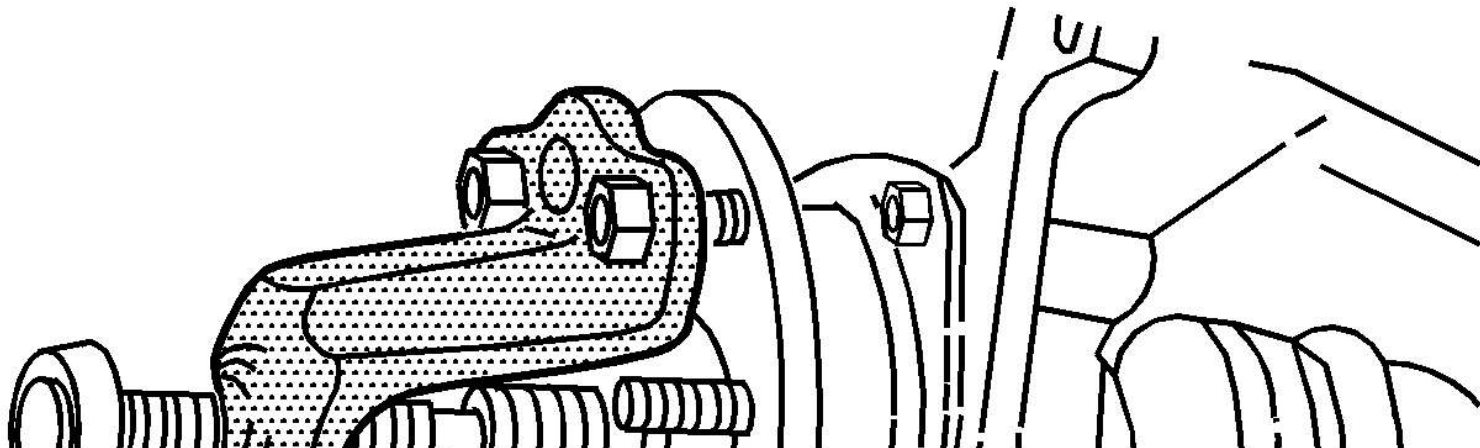
### Removal Procedure

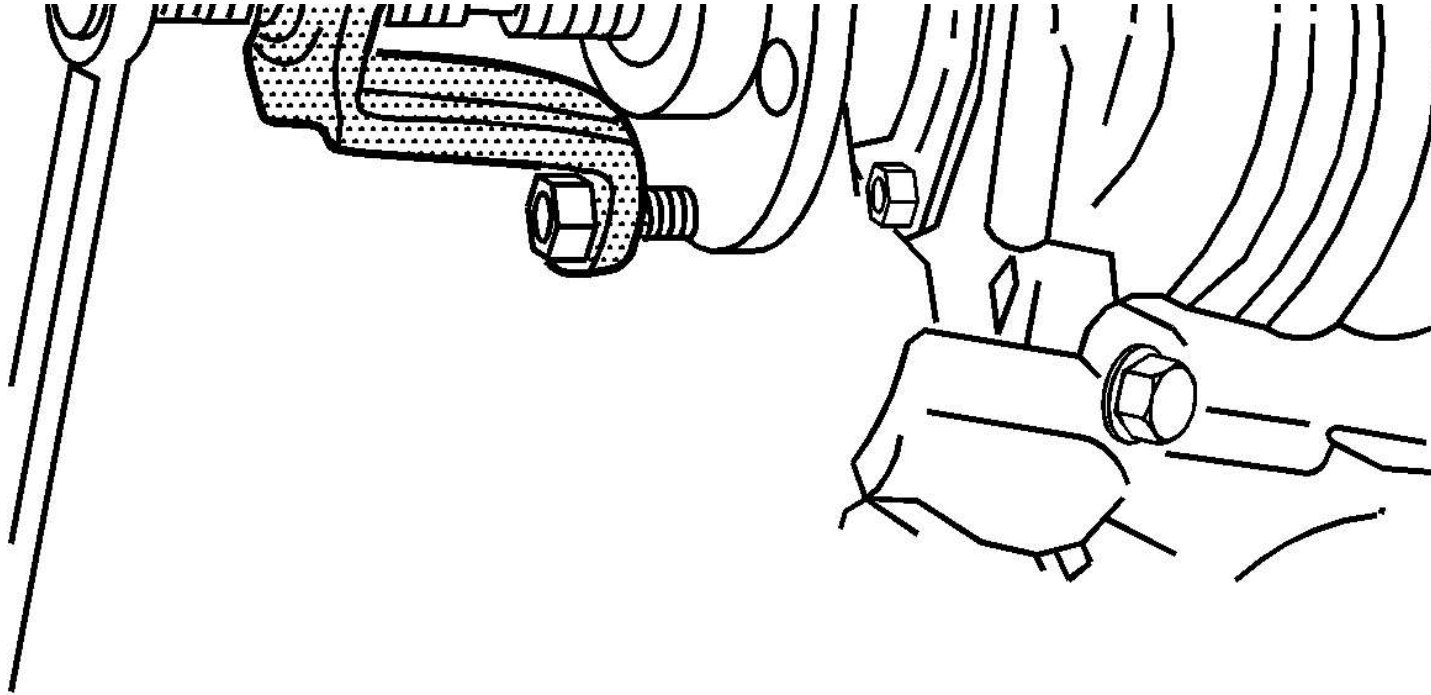
#### Tools Required

- [J 2619-01](#) Slide Hammer
- [J 28733-B](#) Front Hub Spindle Remover
- [J 29794](#) Extension
- [J 33008](#) Axle Shaft Remover

**Important:** Prevent the seals (boots) from contacting the other components in order to prevent damage to the seals (boots).

1. Raise and suitably support the vehicle. Refer to [Lifting and Jacking the Vehicle](#) in General Information.
2. Remove the wheel and the tire. Refer to [Tire and Wheel Removal and Installation](#) in Tires and Wheels.
3. Remove the stabilizer shaft link. Refer to [Stabilizer Shaft Link Replacement](#) in Front Suspension.

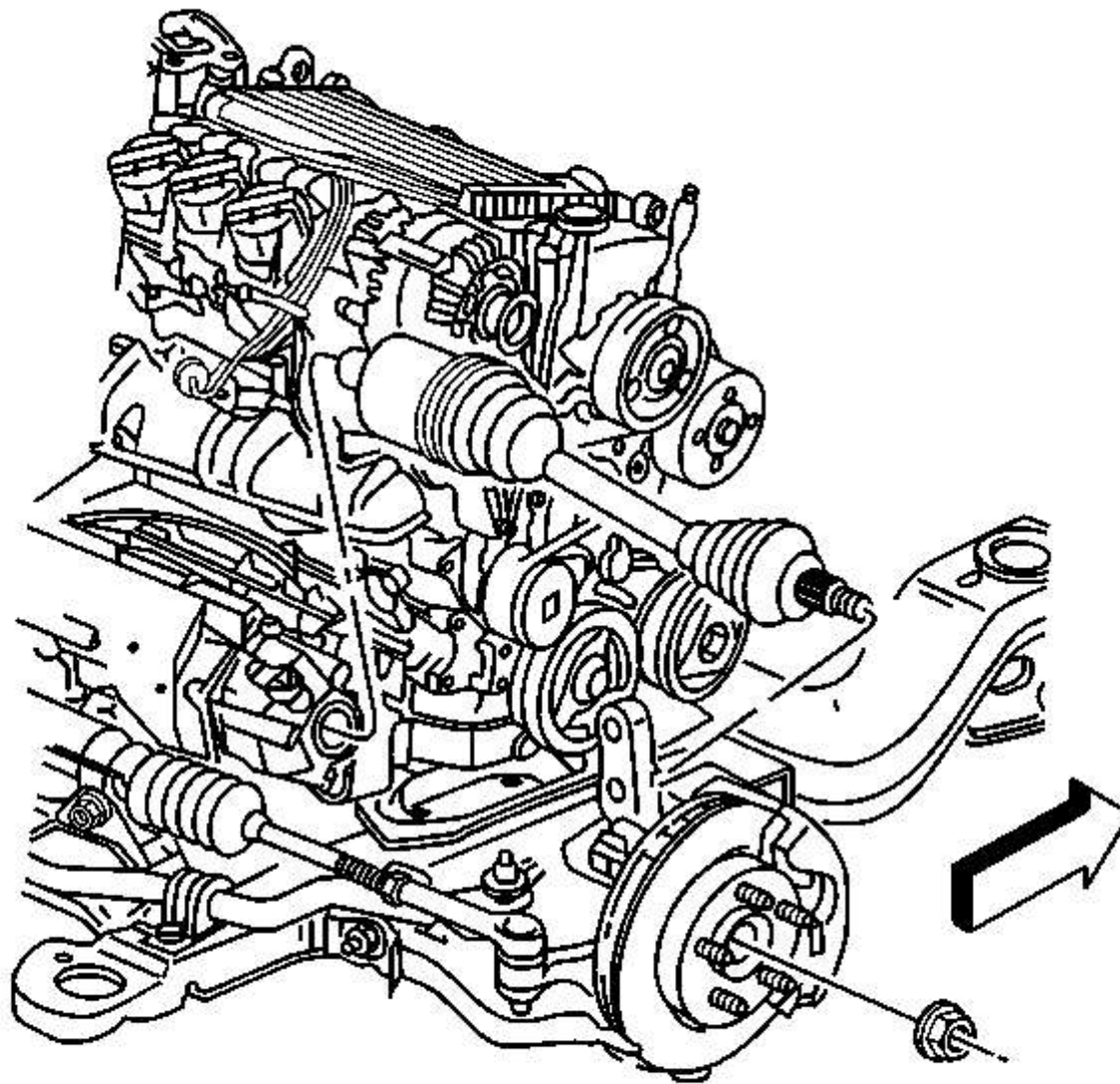




4. Remove the [front wheel drive shaft](#) nut. Insert a drift or a flat-bladed tool into the caliper and the rotor to prevent the rotor from turning.
5. Disconnect the outer tie rod assembly from the steering knuckle. Refer to [Steering Linkage Outer Tie Rod Replacement](#) in Power Steering System.
6. Separate the ball joint from the steering knuckle. Refer to [Lower Control Arm Ball Joint Replacement](#).

**Caution:** Do not attempt to move vehicle with [drive axle\(s\)](#) removed from wheel bearing. Wheel(s) could fall off, dropping vehicle to the ground and causing personal injury or damage to the vehicle.

7. Separate the front wheel [drive axle](#) from the [front wheel drive shaft](#) bearing using the [J 28733-B](#). The nut can be partially re-installed to protect the threads.



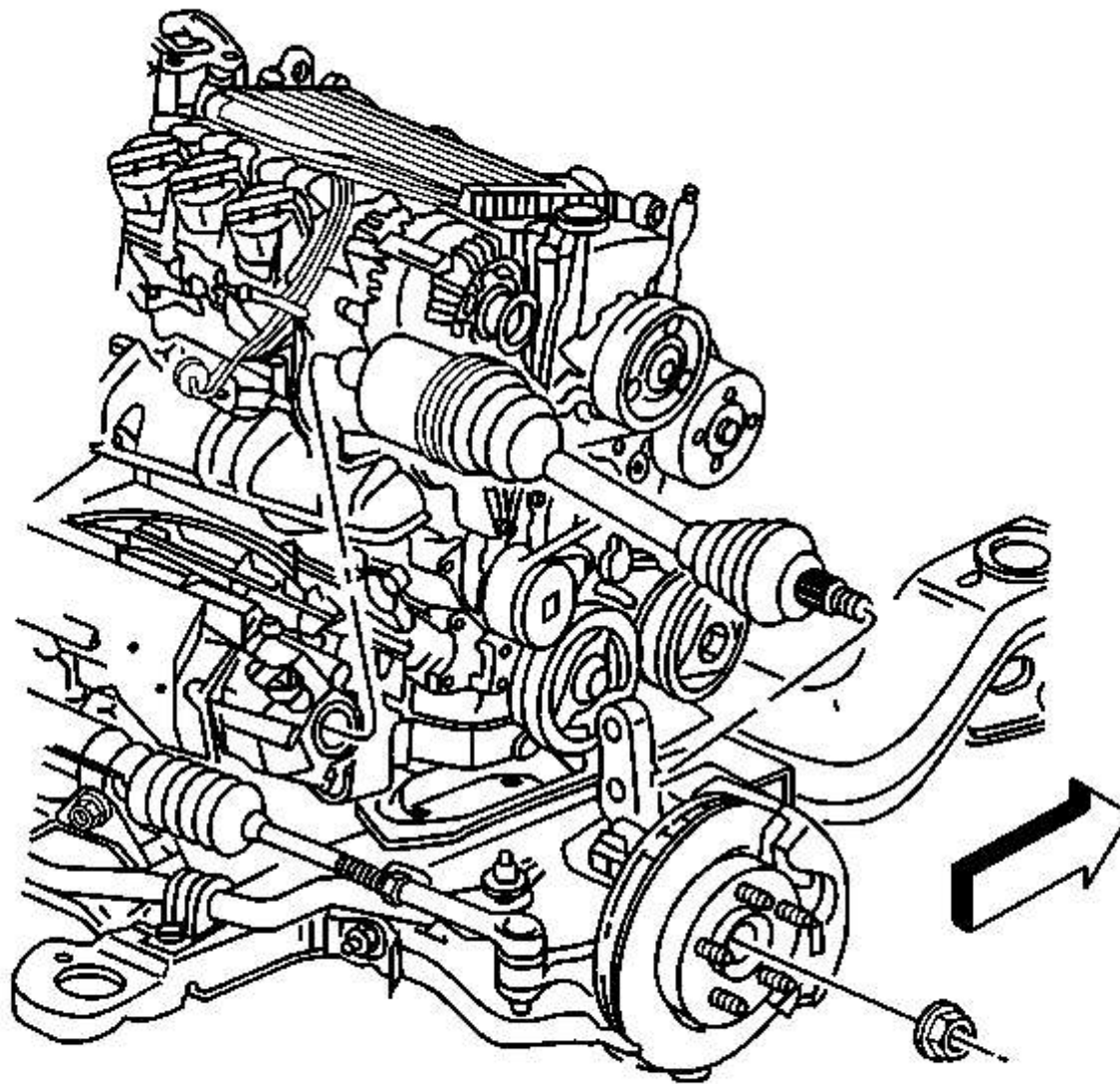
8. Remove the front wheel [drive axle](#) from the transaxle.

- Right Side :

Use the [J 33008](#), the [J 29794](#) and the [J 2619-01](#) to separate the axle from the transaxle.

- Left Side :
  - Use the frame for leverage.
  - Place a flat-bladed tool in the groove on the [front wheel drive shaft](#) tri-pot joint (inner joint).
  - Separate the front wheel [drive axle](#) from the transaxle.

## **Installation Procedure**



**Important:** Prevent the boots (seals) from contacting the other components in order to prevent damage to the boots (seals).



1. Seat the front wheel [drive axle](#) into the transaxle.
2. Verify that the [front wheel drive shaft](#) retaining ring is properly seated.

Grasp the inner housing and pull the inner housing outboard. Do not pull on the front wheel [drive axle](#) shaft.

The front wheel [drive axle](#) will remain in place when the [front wheel drive shaft](#) retaining ring is properly seated.

3. Install the front wheel [drive axle](#) into the [front wheel drive shaft](#) bearing.
4. Connect the ball joint to the steering knuckle. Refer to [Lower Control Arm Ball Joint Replacement](#).
5. Connect the outer tie rod assembly to the steering knuckle. Refer to [Steering Linkage Outer Tie Rod Replacement](#) in Power Steering System.

**Notice:** Refer to [Fastener Notice](#) in Cautions and Notices.

6. Install a new [front wheel drive shaft](#) nut. Insert a drift or a flat-bladed tool into the caliper and the rotor to prevent the rotor from turning.

Tighten:

Tighten the [front wheel drive shaft](#) nut to 160 [n-m] (118 lb ft).

7. Install the stabilizer shaft link. Refer to [Stabilizer Shaft Link Replacement](#) in Front Suspension.
8. Install the wheel and the tire. Refer to [Tire and Wheel Removal and Installation](#) in Tires and Wheels.
9. Lower the vehicle.
10. Inspect the transaxle fluid level.
11. Inspect the wheel alignment. Refer to [Wheel Alignment Measurement](#).

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