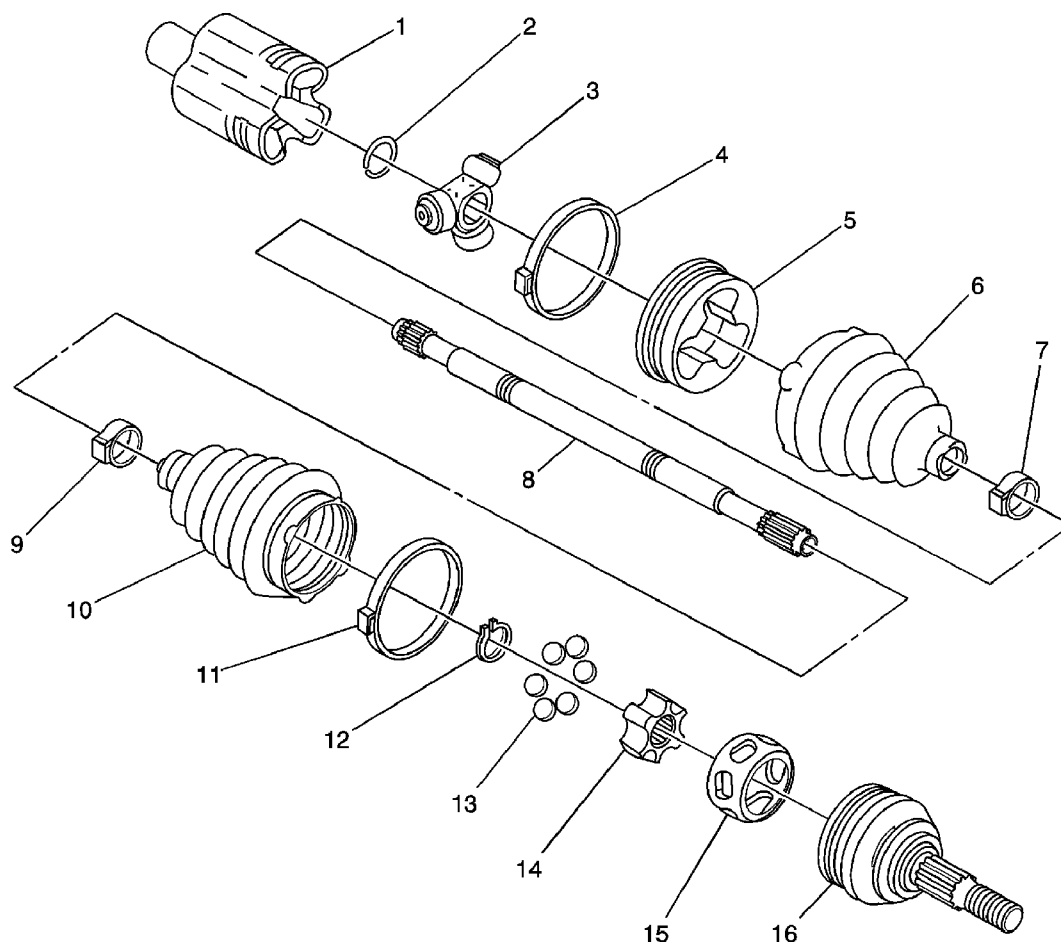


Fastener Tightening Specifications

Application	Specification	
	Metric	English
Front Lower Stabilizer Bar Link Nut	65 N·m	48 lb ft
Front Outer Tie Rod Stud Nut	50 N·m	37 lb ft
Front Wheel Drive Shaft Spindle Nut	205 N·m	151 lb ft
Intermediate Drive Shaft-to-Bracket Bolts	30 N·m	22 lb ft
Intermediate Drive Shaft Support Bracket Mounting Bolts - L61	35 N·m	26 lb ft
Intermediate Drive Shaft Support Bracket Mounting Bolts - L66	50 N·m	37 lb ft
J-44015 Steering Linkage Installer	40 N·m	30 lb ft
Lower Ball Joint Stud Nut	40 N·m	30 lb ft
Rear Lower Control Arm-to-Suspension Knuckle Bolt and Nut	110 N·m	81 lb ft
Rear Lower Jounce Bumper Nut	63 N·m	46 lb ft
Rear Shock Absorber Lower Mounting Bolt	110 N·m	81 lb ft
Rear Stabilizer Link-to-Control Arm Nut	15 N·m	11 lb ft
Rear Wheel Drive Shaft Spindle Nut	205 N·m	151 lb ft

Wheel Drive Shafts Disassembled Views

Tripot Design Wheel Drive Shaft



- (1) Retainer and Housing Assembly
- (2) Retaining Ring
- (3) Tripot Joint Spider Assembly
- (4) Boot Retaining Clamp
- (5) Tripot Trilobal Bushing
- (6) Inboard Boot
- (7) Boot Retaining Clamp
- (8) Axle Shaft
- (9) Boot Retaining Clamp
- (10) Outboard Boot

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- (11) Boot Retaining Clamp
- (12) Race Retaining Ring
- (13) Chrome Alloy Ball
- (14) CV Joint Inner Race
- (15) CV Joint Cage
- (16) CV Joint Outer Race

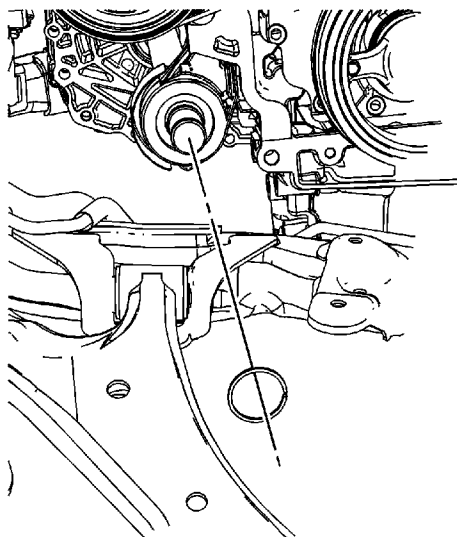
Intermediate Shaft Replacement (LE5)

Special Tools

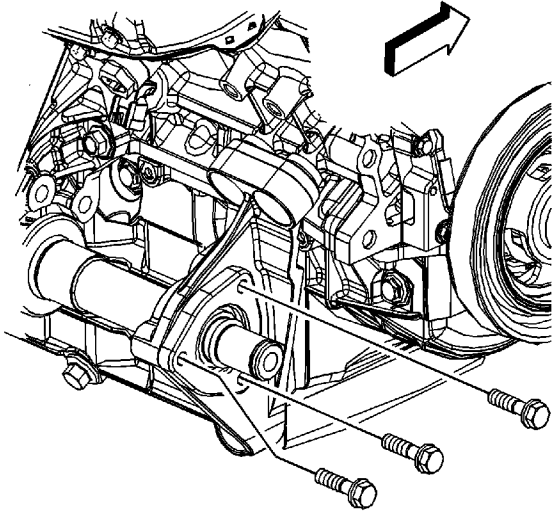
- [J 2619-01](#) Slide Hammer
- [J 44394-A](#) Seal Protector
- [J 44467](#) Output Shaft Assembly Remover and Installer

Removal Procedure

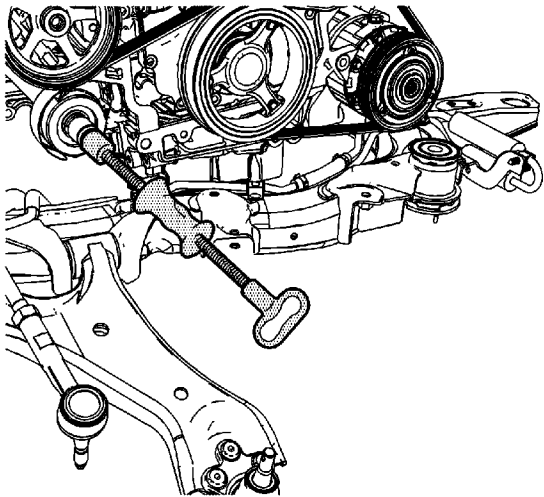
1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the right front wheel drive shaft. Refer to [Front Wheel Drive Shaft Replacement](#).



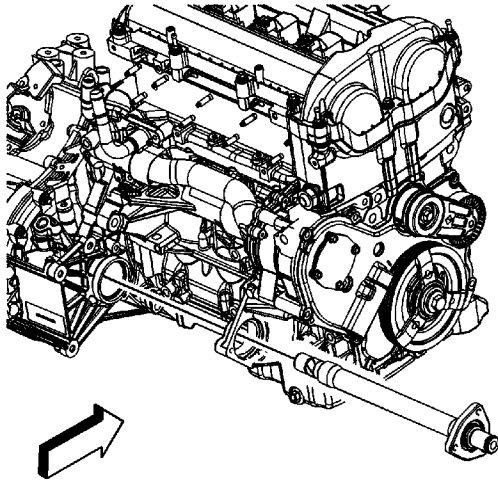
3. Remove and discard the wheel drive shaft retaining ring.
4. Remove the O-ring seal from the from the intermediate drive shaft.



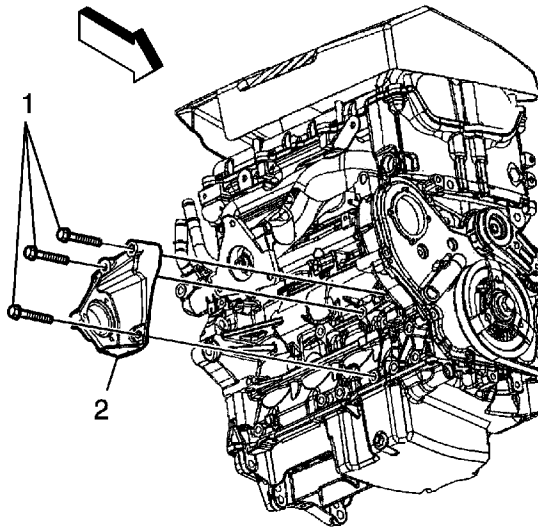
5. Remove the intermediate drive shaft mounting bolts.



6. Using the [J 2619-01](#) and the [J 44467](#) , remove the intermediate shaft from the transmission.
7. Remove the [J 2619-01](#) and the [J 44467](#) from the intermediate shaft.

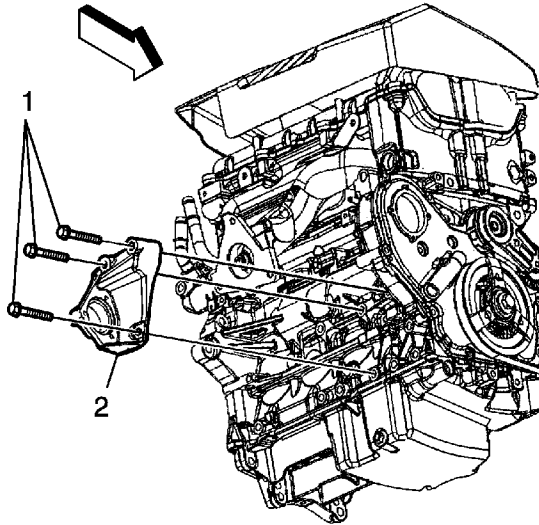


8. Remove the intermediate drive shaft from the mounting bracket.



9. Remove the intermediate drive shaft bracket mounting bolts and bracket, if needed.

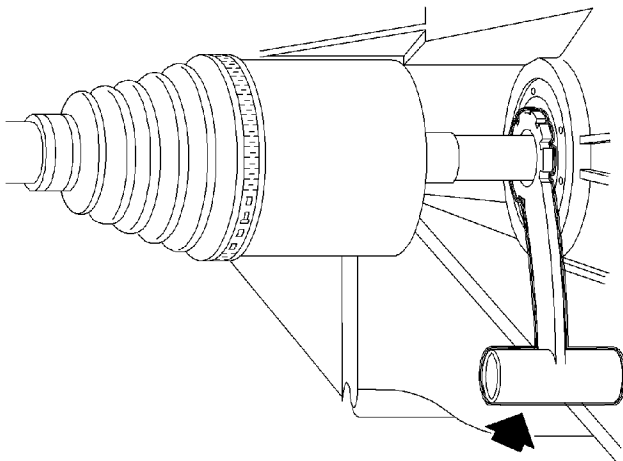
Installation Procedure



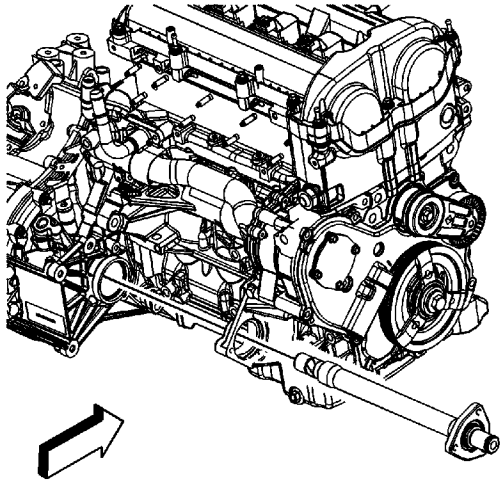
1. Position the intermediate drive shaft mounting bracket on the engine block.

Caution: Refer to [Fastener Caution](#) in the Preface section.

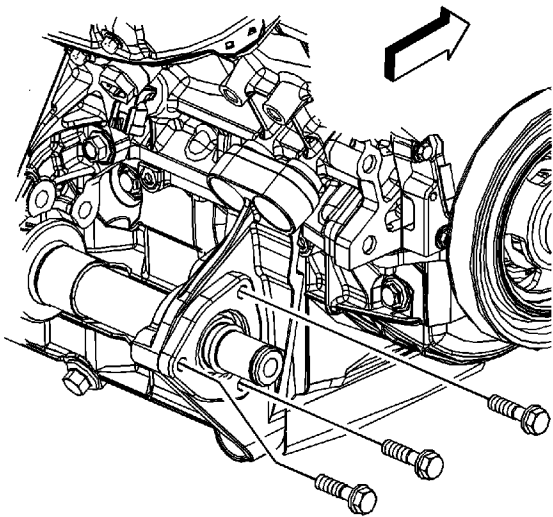
2. Install the intermediate drive shaft mounting bracket bolts. Tighten the mounting bolts to **22 N·m (16 lb ft)**.



3. Install the [J 44394-A](#) on the intermediate drive shaft.



4. Install the intermediate drive shaft.
5. Remove the [J 44394-A](#) from the intermediate drive shaft.



6. Install the mounting bolts for the intermediate drive shaft.
7. Install the intermediate drive shaft mounting bolts. Tighten the mounting bolts to **30 N·m (22 lb ft)**.
8. Install a new O-ring for the intermediate drive shaft.
9. Install a new retaining ring for the intermediate drive shaft.
10. Install the right wheel drive shaft. Refer to [Front Wheel Drive Shaft Replacement](#).
11. Remove the support and lower the vehicle.

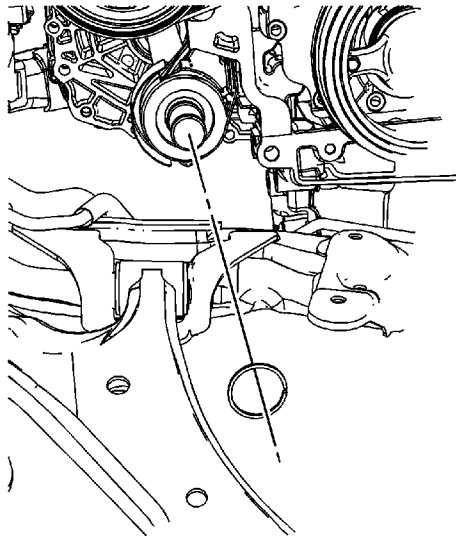
Intermediate Shaft Replacement (LY7)

Special Tools

- [J 2619-01](#) Slide Hammer
- [J 44467](#) Output Shaft Assembly Remover and Installer

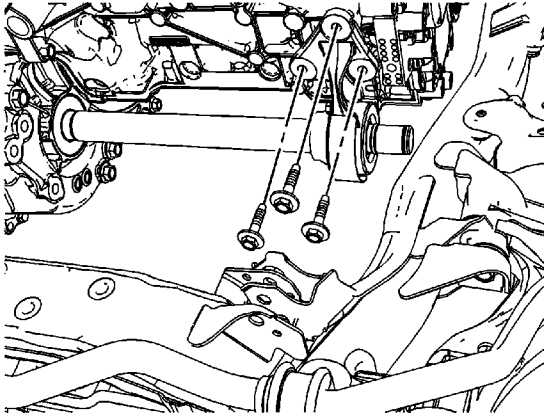
Removal Procedure

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the wheel drive shaft assembly. Refer to [Front Wheel Drive Shaft Replacement](#).

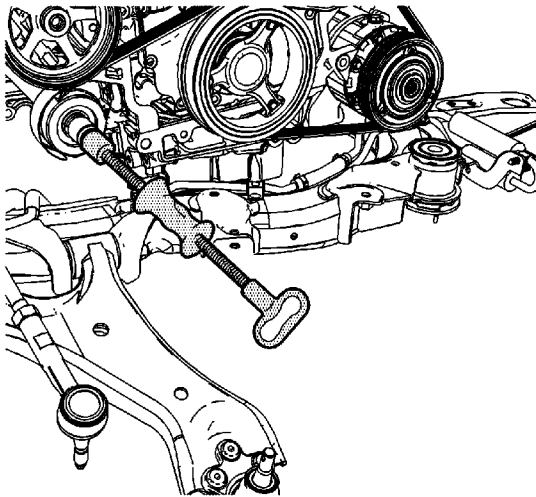


Note: Remove the retaining ring. DO NOT re-use the retaining ring discard. Use NEW only.

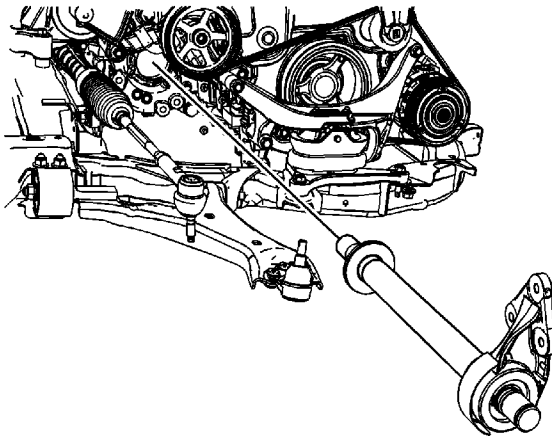
3. Remove the retaining clip for the wheel drive shaft.



4. Remove the mounting bolts for the intermediate shaft support bracket.
5. Support the wheel drive shaft.

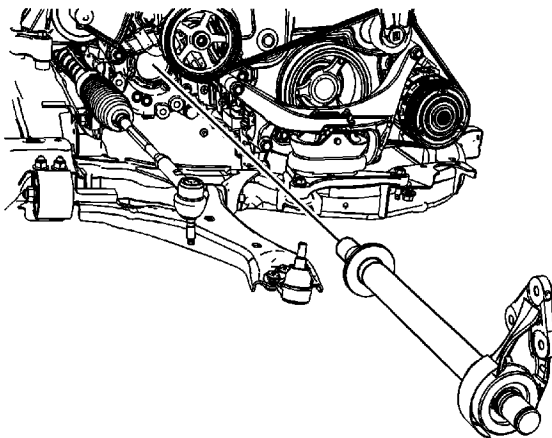


6. Assemble the [J 44467](#) and the [J 2619-01](#) .
7. Install the [J 44467](#) and the [J 2619-01](#) in the retaining ring groove on the wheel drive shaft.
8. Using the [J 44467](#) and the [J 2619-01](#) , remove the wheel drive shaft from the transmission.

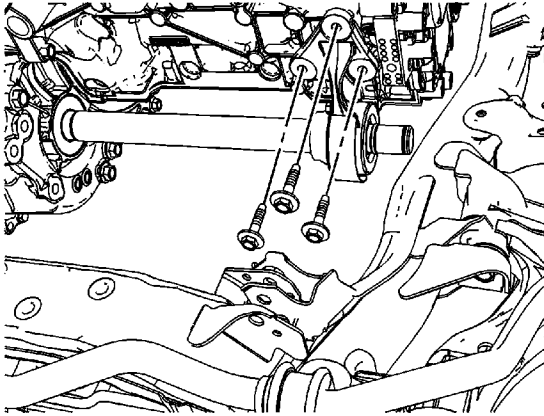


9. Remove the wheel drive shaft from the vehicle.

Installation Procedure



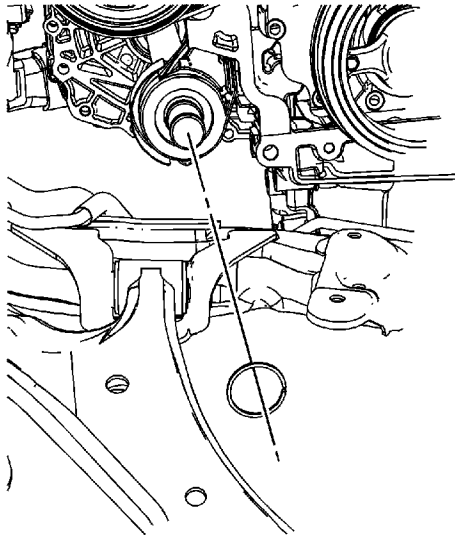
1. Install the intermediate shaft in the transmission.
2. Move the intermediate shaft back and forth to ensure that the intermediate shaft is properly seated.



3. Hand tighten the mounting bolts for the intermediate shaft mounting bracket.

Caution: Refer to [Fastener Caution](#) in the Preface section.

4. Tighten the mounting bolts for the intermediate shaft. Tighten the mounting bolts to **22 N·m (16 lb ft)**.



5. Install the NEW intermediate shaft retaining.
6. Install the wheel drive shaft assembly. Refer to [Front Wheel Drive Shaft Replacement](#).
7. Remove the support and lower the vehicle.

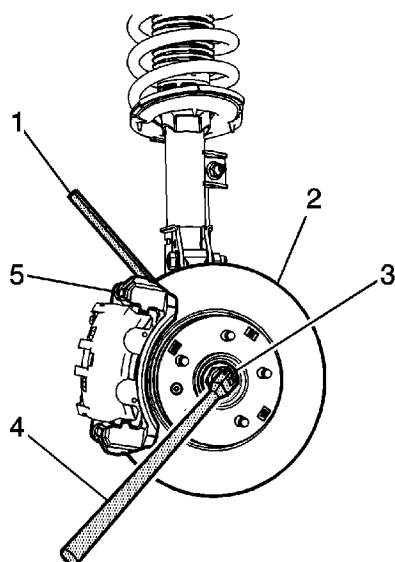
Front Wheel Drive Shaft Replacement

Special Tools

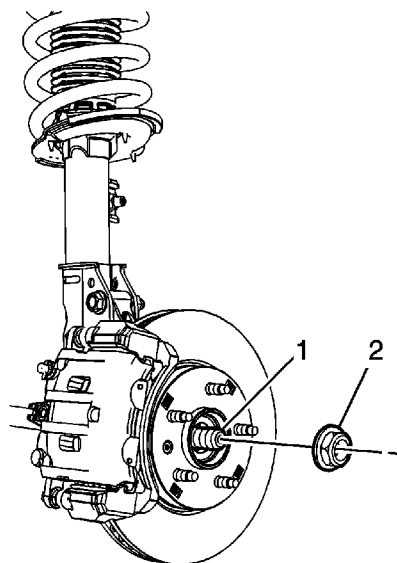
- [J-2619-A](#) Slide Hammer with Adapter
- [J 45341](#) Axle Shaft Puller
- [J 42129](#) Wheel Hub Puller
- [J 45859](#) Axle Remover
- [SA91112T](#) Axle Seal Protector

Removal Procedure

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
3. Remove the engine splash shield. Refer to [Engine Splash Shield Replacement](#).

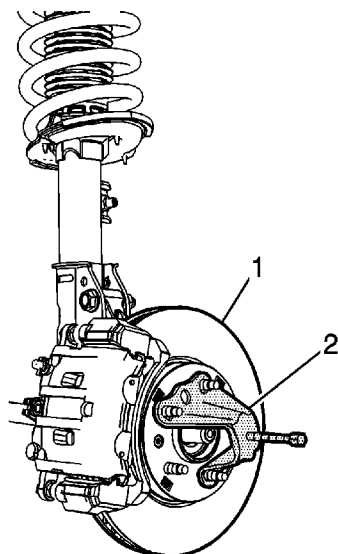


4. Insert a brass drift or punch (1) between the brake rotor cooling fins (2) and the brake caliper mounting bracket (4).
5. Using the appropriate size socket and a breaker bar (4), remove the wheel drive shaft nut (3).

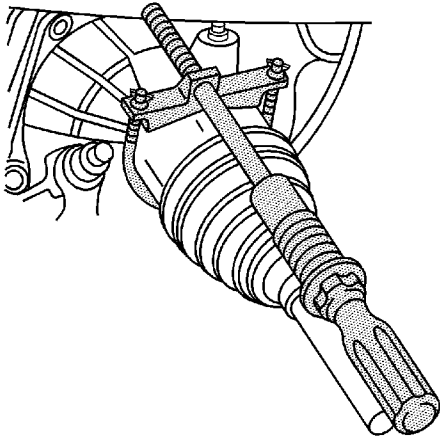


Note: Once the wheel drive shaft nut has been removed, discard and replace with NEW. DO NOT re-use the nut.

6. Remove the wheel drive shaft nut (2) from the wheel drive shaft (1).

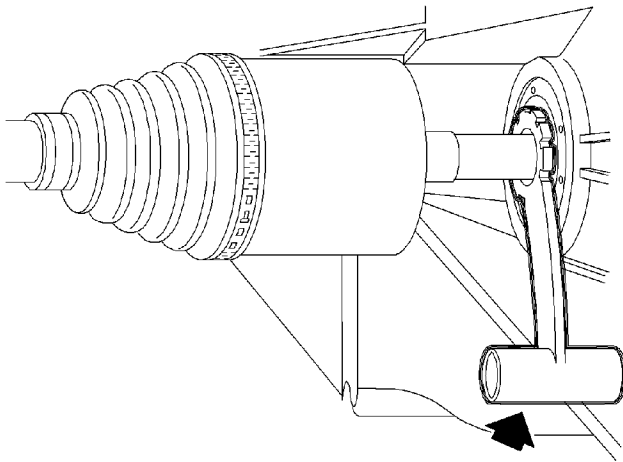


7. Using the [J 42129](#) (2), separate the wheel drive shaft from the brake rotor and wheel bearing/hub assembly (1).
8. Remove the outer tie rod end from the steering knuckle. Refer to [Steering Linkage Outer Tie Rod Replacement](#).
9. Remove the stabilizer bar link from the stabilizer shaft. Refer to [Stabilizer Shaft Link Replacement](#).
10. Remove the lower control arm from the steering knuckle. Refer to [Lower Control Arm Replacement](#).

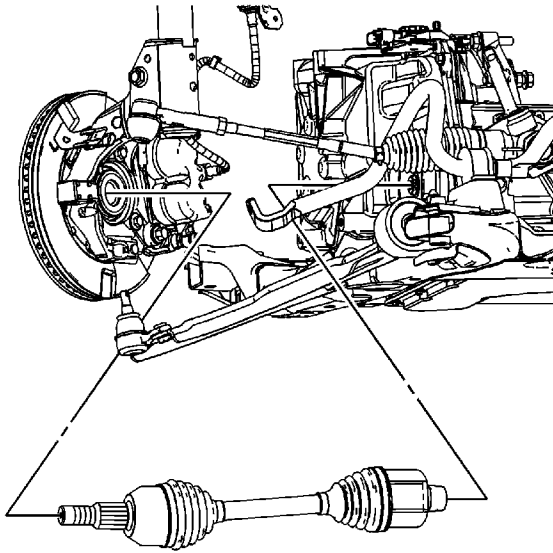


11. Install the [J 2619-01](#) , [J 29794](#) , and the [J 45341](#) on the wheel drive shaft inner joint groove.
12. Using the [J 2619-01](#) , [J 29794](#) , and the [J 45341](#) , remove the wheel drive shaft.
13. Remove the wheel drive shaft from the knuckle.

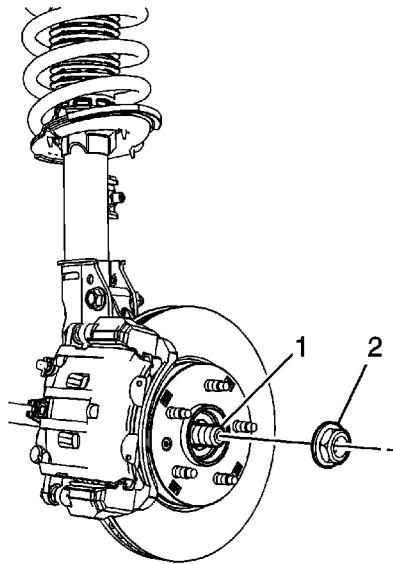
Installation Procedure



1. Install the [SA91112T](#) seal protector.

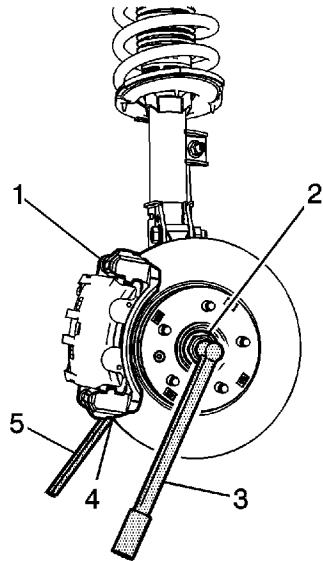


2. Install the wheel drive shaft in the vehicle.
3. Remove the [SA91112T](#) seal protector.
4. Install the lower control arm to the knuckle. Refer to [Lower Control Arm Replacement](#).
5. Install the outer tie rod end for the steering gear to the knuckle. Refer to [Steering Linkage Outer Tie Rod Replacement](#).
6. Install the stabilizer link to the stabilizer bar. Refer to [Stabilizer Shaft Link Replacement](#).



7. Install the NEW wheel drive shaft nut (2) on the wheel drive shaft (1).
8. Insert a brass drift or punch (5) between the brake rotor cooling fins (4) and the brake caliper mounting bracket (1).

Caution: Refer to [Fastener Caution](#) in the Preface section.



9. Using a torque wrench (2), tighten the wheel drive shaft nut (2). Tighten the wheel drive shaft nut (2) to **205 N·m (151 lb ft)**.
10. Inspect the transmission fluid level and add fluid if necessary. Refer to [Transmission Fluid Check](#).
11. Install the engine splash shield. Refer to [Engine Splash Shield Replacement](#).
12. Install the tire and wheels. Refer to [Lifting and Jacking the Vehicle](#).
13. Lower the vehicle.

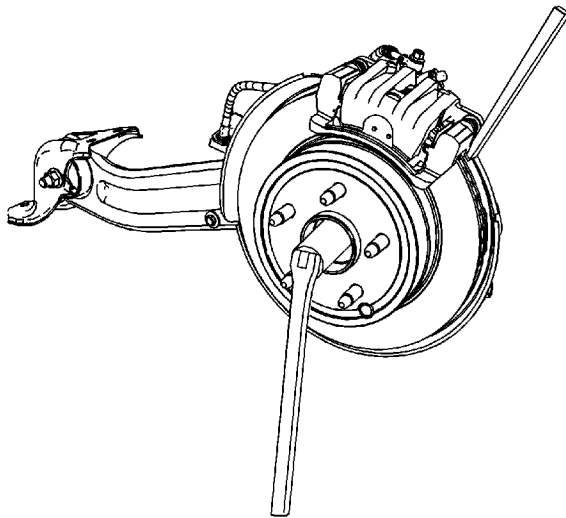
Rear Wheel Drive Shaft Replacement

Special Tools

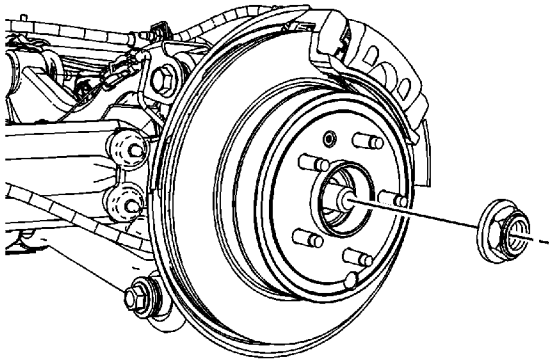
[J 42129](#) Wheel Hub Remover

Removal Procedure

1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the tire and wheel. Refer to [Tire and Wheel Removal and Installation](#).

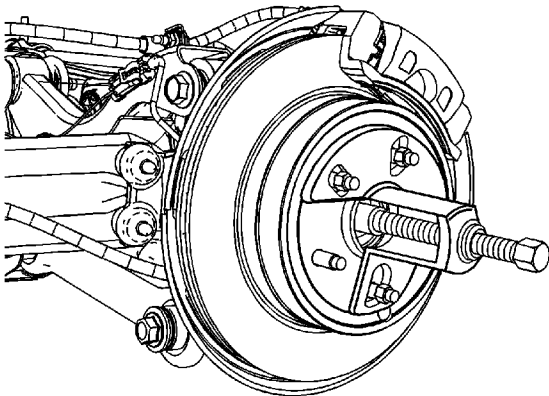


3. Insert a drift or punch into the rotor and against the brake caliper mounting bracket.
4. Using the appropriate tool, loosen the wheel drive shaft spindle nut.

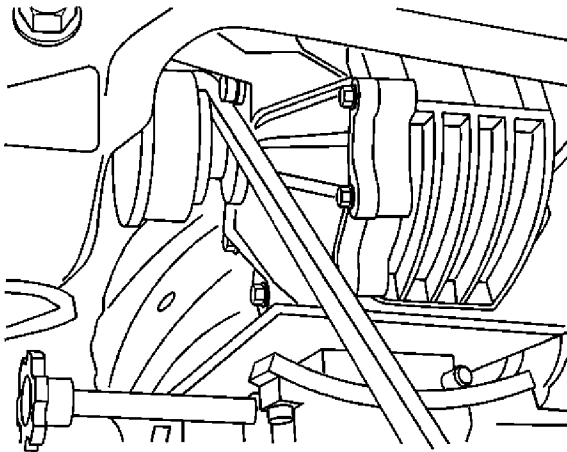


Note: DO NOT re-use the wheel drive shaft spindle nut. Replace with NEW.

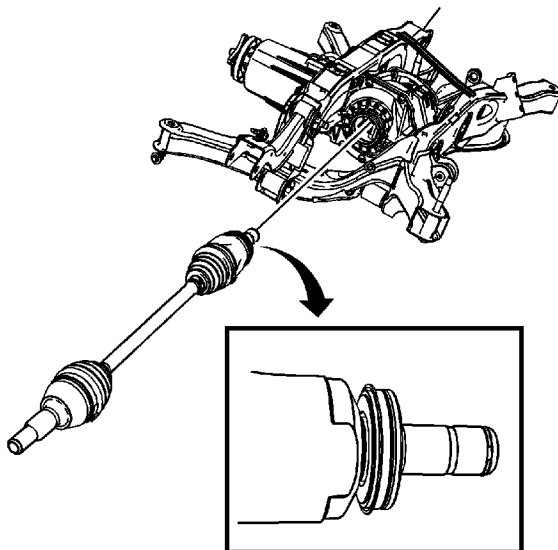
5. Remove and discard the wheel drive shaft spindle nut.



6. Using the [J 42129](#) , disengage the wheel drive shaft from the wheel hub/bearing.
7. Remove the rear suspension knuckle. Refer to [Knuckle Replacement](#).

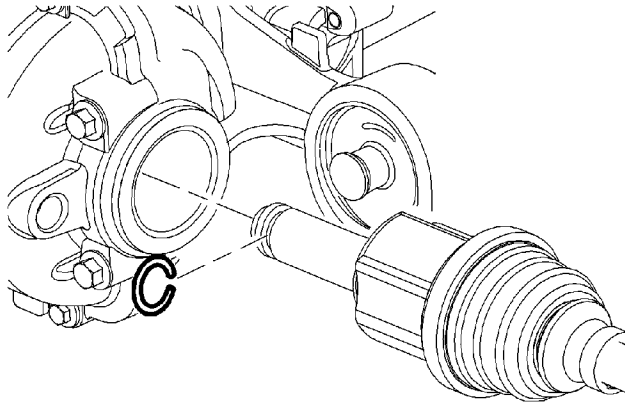


8. Using a suitable tool, carefully release the wheel drive shaft from the rear drive module (RDM).



Note: Because of the design of the inner seal wheel drive shaft seal, the seal will be removed at the same time the wheel drive shaft is. Replace the seal, DO NOT re-use the seal.

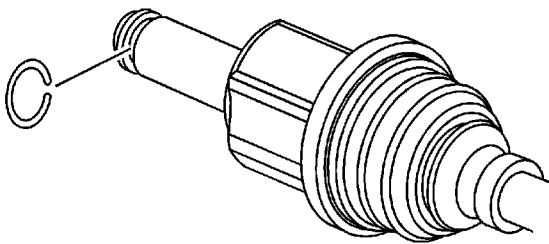
9. Remove the wheel drive shaft from the vehicle.
10. Remove the wheel drive seal.



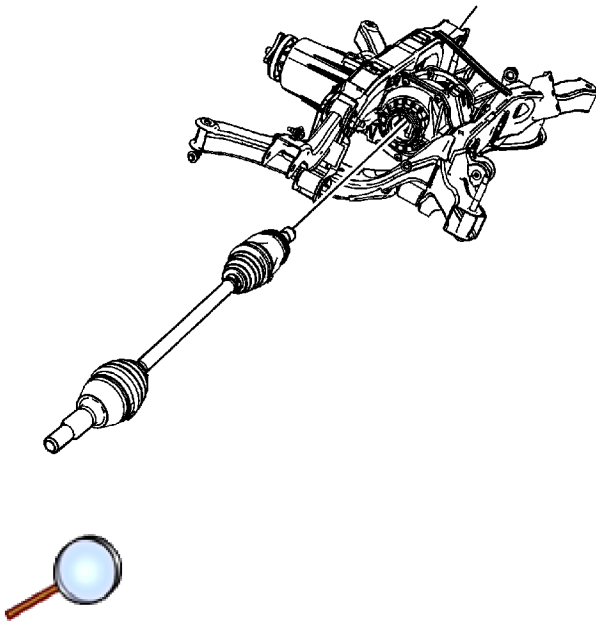
Note: DO NOT re-use the retaining clip, replace with new.

11. Remove the retaining ring from the tripod.

Installation Procedure

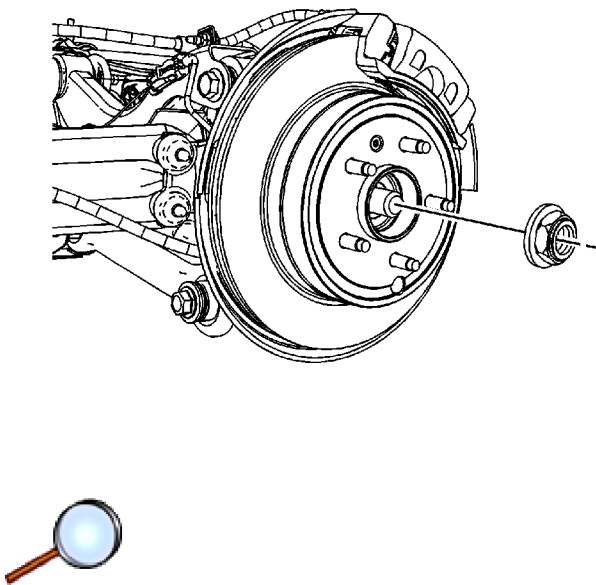


1. Install the new retaining clip on the tripod.
2. Install the new wheel drive shaft seal.
 - For the left side, refer to [Rear Axle Shaft Seal Replacement - Left Side](#).
 - For the right side, refer to [Rear Axle Shaft Seal Replacement - Right Side](#).

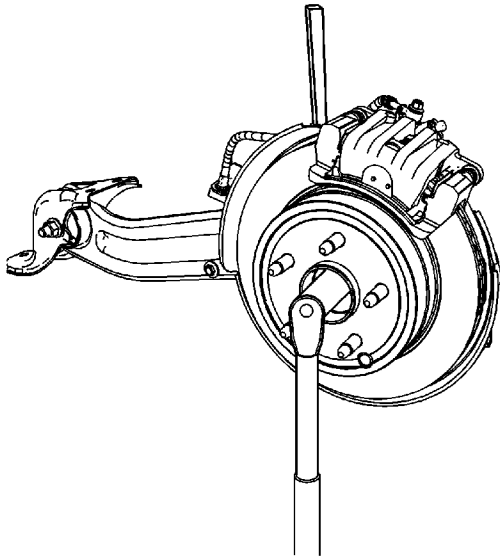


Note: When installing the wheel drive shaft, you will notice a slight resistance. This is the wheel drive shaft seal. A snap or click should be heard when the wheel drive shaft is fully seated.

3. Install the wheel drive shaft.
4. Install the rear suspension knuckle. Refer to [Knuckle Replacement](#).



5. Hand install a new wheel drive shaft spindle nut.



6. Insert a drift or punch into the rotor and against the brake caliper mounting bracket.

Caution: Refer to [Fastener Caution](#) in the Preface section.

7. Tighten the wheel drive shaft spindle nut. Tighten the nut to **205 N·m (151 lb ft)**.
8. Install the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
9. Remove the support and lower the vehicle.

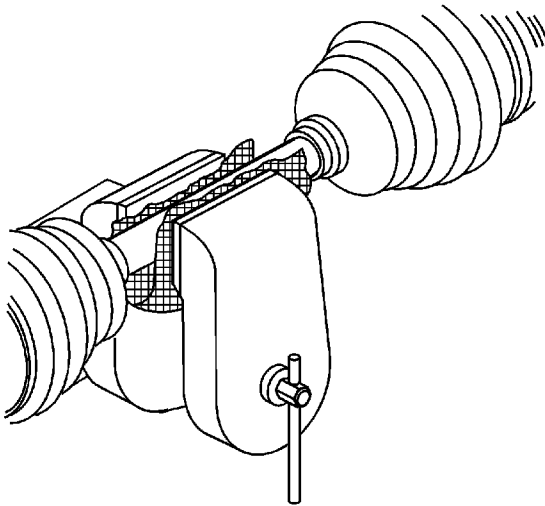
Front Wheel Drive Shaft Inner Joint and Boot Replacement

Tools Required

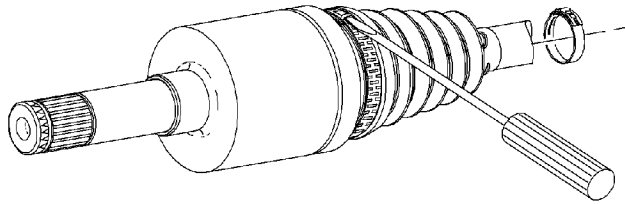
[J 35910](#) Drive Axle Seal Clamp Pliers

Disassembly Procedure

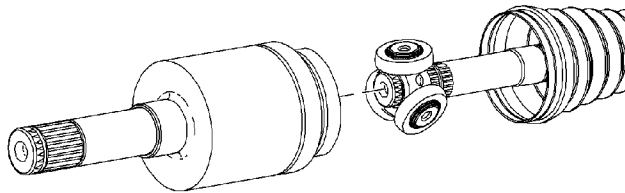
1. Remove the wheel drive shaft from the vehicle. Refer to [Front Wheel Drive Shaft Replacement](#) .



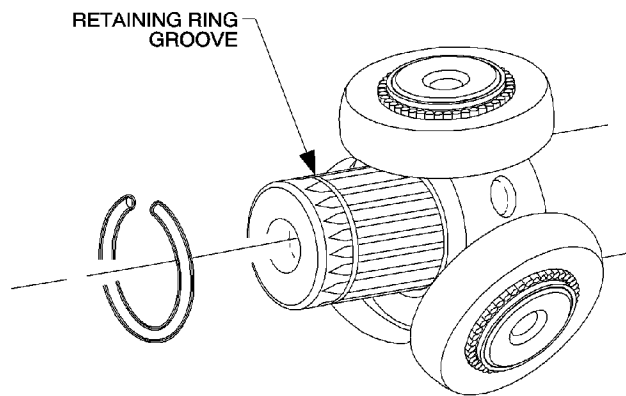
2. Position wheel drive shaft bar in a soft jawed vise and clamp securely.
3. Using side cutters, remove and discard the small seal clamp.



4. Remove large seal retaining clamp using a flat-bladed tool and discard the clamp.

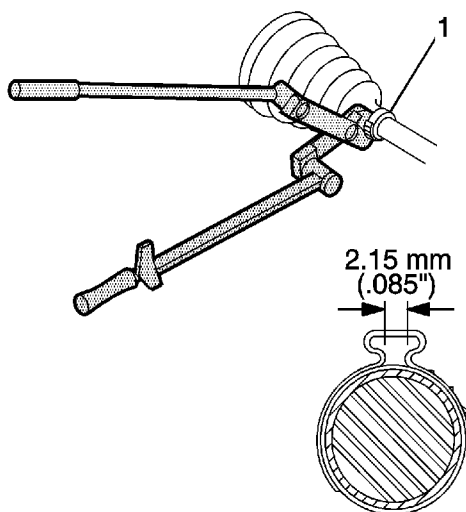


5. Separate the seal from the tripot housing at the large diameter and slide the seal away from the joint along the axle shaft.
6. Wipe the excess grease from the face of the tripot spider and the inside of the tripot housing.
7. Remove the tripot housing from the spider and shaft.



8. Remove the retaining ring from the groove on the wheel drive shaft bar and remove the spider assembly.
9. Remove the seal from the wheel drive shaft bar.
10. Thoroughly clean all parts with a suitable solvent, removing all traces of grease and contaminants.
11. Dry all parts with compressed air.
12. Inspect the tripot joint components for unusual wear, cracks, and other damage. Replace any damaged components.

Assembly Procedure



1. Install the small seal clamp to the seal. Do not crimp the clamp.

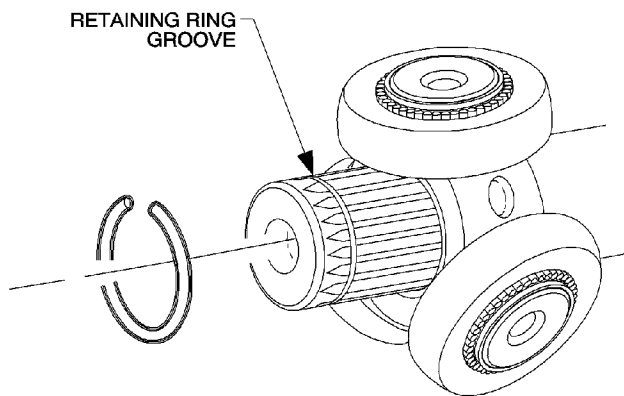
- Slide the inner seal onto the wheel drive shaft bar and locate the lip of the seal groove on the wheel drive shaft bar.

Important: Ensure the seal clamp is positioned correctly in the seal groove.

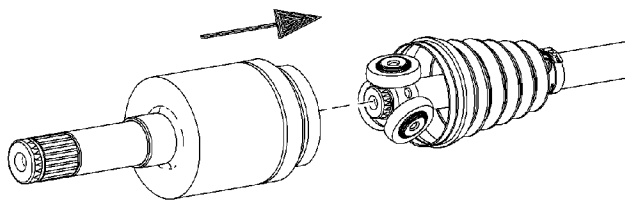
- Using the [J 35910](#) , crimp the small seal clamp.
- Measure the clamp gap width.

Specification

Clamp gap width should not exceed 2.15 mm (0.085 in).

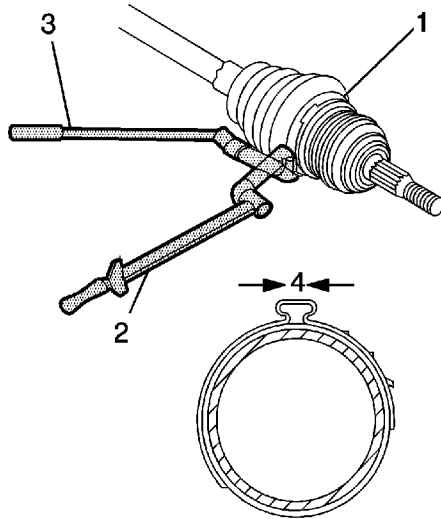


- Install the tripot spider assembly to the wheel drive shaft bar, until seated against shoulder.
- Install the retaining ring in the groove of the wheel drive shaft bar with suitable pliers.
- Place approximately half of the grease in the kit to the seal and place the remainder in the tripot housing.





8. Install the large clamp over the large diameter of the seal.
9. Install the tripot housing to the tripot spider assembly on the wheel drive shaft bar.
10. Slide the large diameter of the seal over the outside of the tripot housing and position the lip of the seal in the housing groove.



11. Place the large seal retaining clamp around the seal and close using [J 35910](#).
12. Inspect the gap dimension on the clamp ear. Continue tightening until the gap dimension is reached.

Specification

Dimension equals 1.9 mm (5/64 in).

13. Rotate the housing in a circular motion to distribute the grease in the tripot joint.
14. Install the wheel drive shaft in the vehicle. Refer to [Front Wheel Drive Shaft Replacement](#).

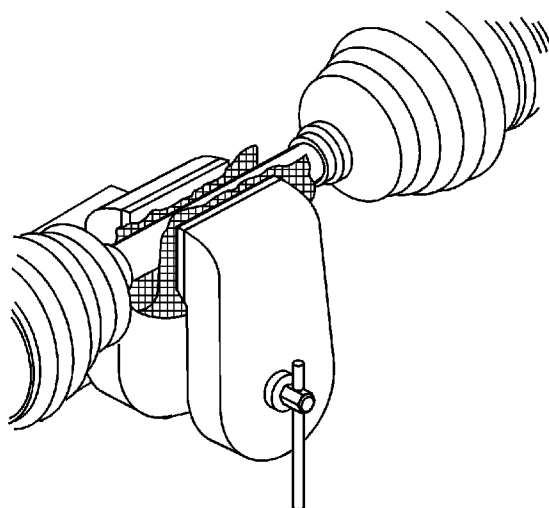
Rear Wheel Drive Shaft Inner Joint and Boot Replacement

Tools Required

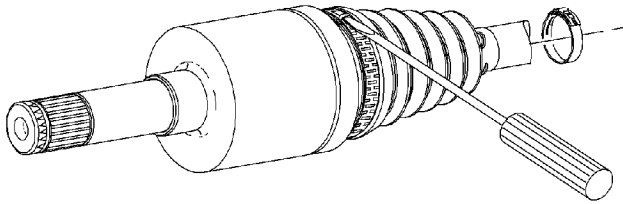
[J 35910](#) Drive Axle Seal Clamp Pliers

Disassembly Procedure

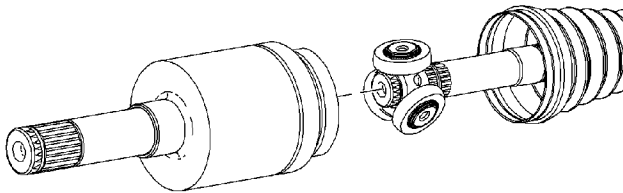
1. Remove the wheel drive shaft from the vehicle. Refer to [Rear Wheel Drive Shaft Replacement](#).



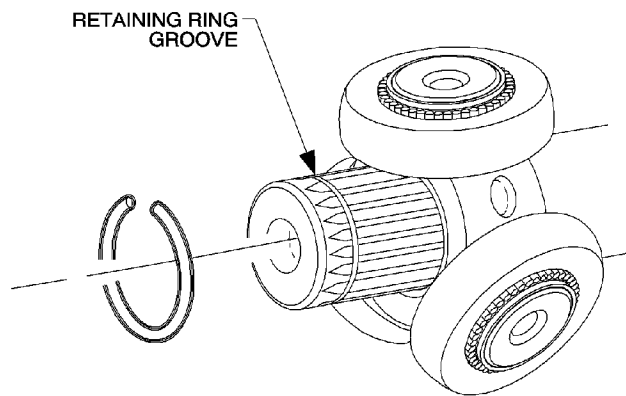
2. Position wheel drive shaft bar in a soft jawed vise and clamp securely.
3. Using side cutters, remove and discard the small seal clamp.



4. Remove large seal retaining clamp using a flat-bladed tool and discard the clamp.

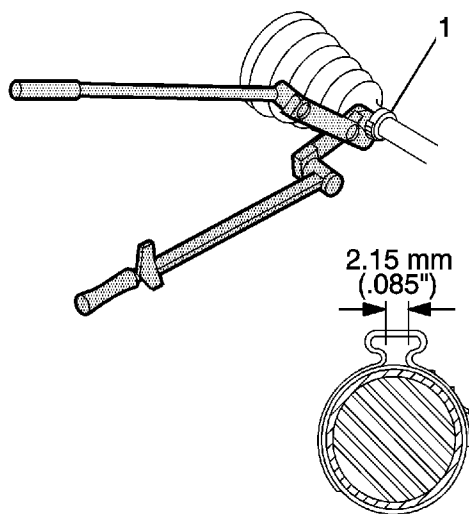


5. Separate the seal from the tripot housing at the large diameter and slide the seal away from the joint along the axle shaft.
6. Wipe the excess grease from the face of the tripot spider and the inside of the tripot housing.
7. Remove the tripot housing from the spider and shaft.



8. Remove the retaining ring from the groove on the wheel drive shaft bar and remove the spider assembly.
9. Remove the seal from the wheel drive shaft bar.
10. Thoroughly clean all parts with a suitable solvent, removing all traces of grease and contaminants.
11. Dry all parts with compressed air.
12. Inspect the tripot joint components for unusual wear, cracks, and other damage. Replace any damaged components.

Assembly Procedure



1. Install the small seal clamp to the seal. Do not crimp the clamp.

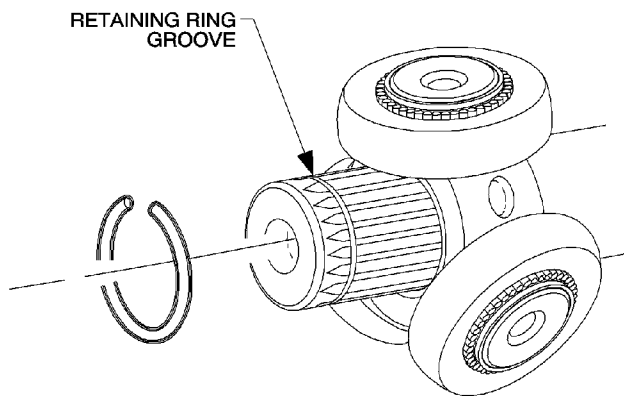
- Slide the inner seal onto the wheel drive shaft bar and locate the lip of the seal groove on the wheel drive shaft bar.

Important: Ensure the seal clamp is positioned correctly in the seal groove.

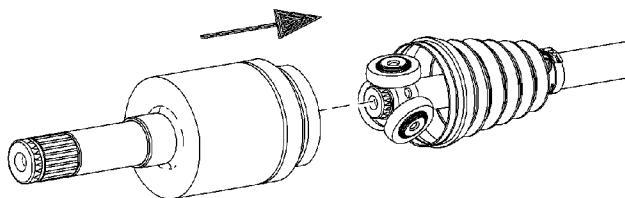
- Using the [J 35910](#) , crimp the small seal clamp.
- Measure the clamp gap width.

Specification

Clamp gap width should not exceed 2.15 mm (0.085 in).

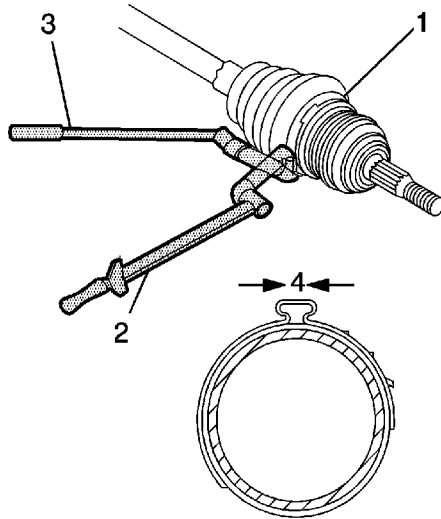


- Install the tripot spider assembly to the wheel drive shaft bar, until seated against shoulder.
- Install the retaining ring in the groove of the wheel drive shaft bar .
- Place approximately half of the grease in the kit to the seal and place the remainder in the tripot housing.





8. Install the large clamp over the large diameter of the seal.
9. Install the tripot housing to the tripot spider assembly on the wheel drive shaft bar.
10. Slide the large diameter of the seal over the outside of the tripot housing and position the lip of the seal in the housing groove.



11. Place the large seal retaining clamp around the seal and close using [J 35910](#).
12. Inspect the gap dimension on the clamp ear. Continue tightening until the gap dimension is reached.

Specification

Dimension equals 1.9 mm (5/64 in).

13. Rotate the housing in a circular motion to distribute the grease in the tripot joint.
14. Install the wheel drive shaft in the vehicle. Refer to [Rear Wheel Drive Shaft Replacement](#).

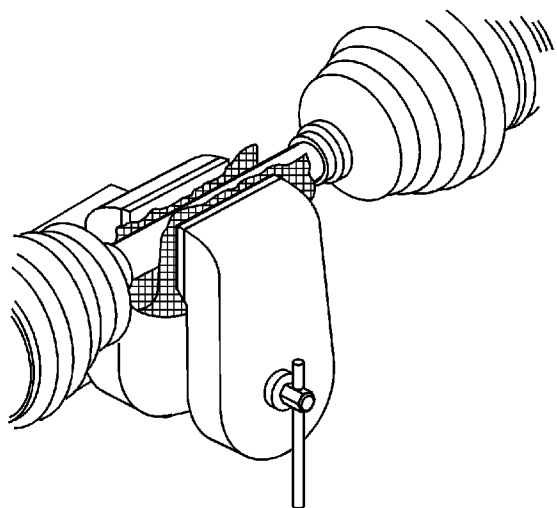
Front Wheel Drive Shaft Outer Joint and Boot Replacement

Tools Required

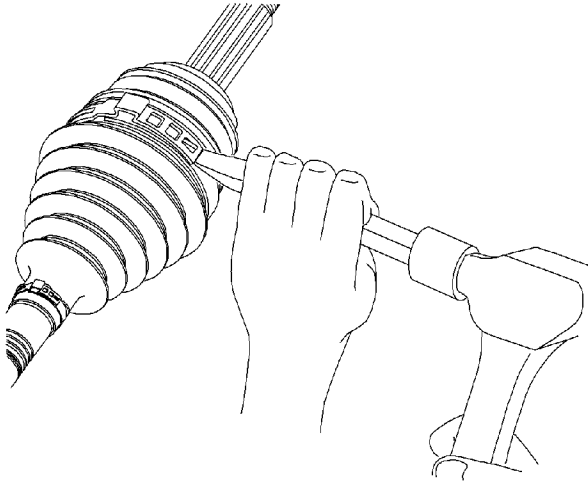
[J 35910](#) Drive Axle Seal Clamp Pliers

Disassembly Procedure

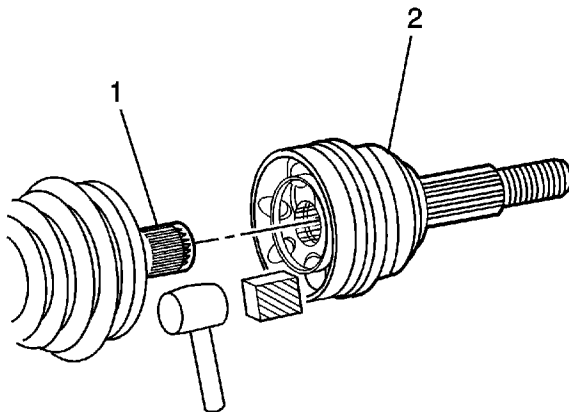
1. Remove the wheel drive shaft from the vehicle. Refer to [Front Wheel Drive Shaft Replacement](#).



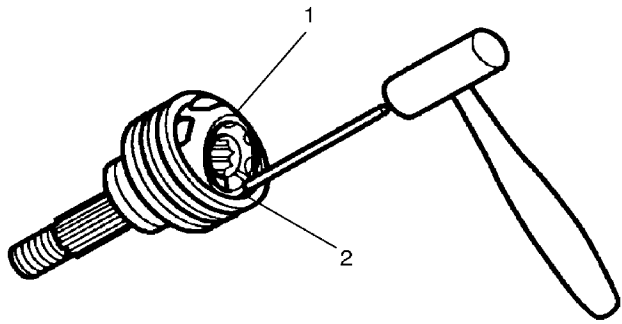
2. Clamp the drive axle shaft in a soft jawed vice.



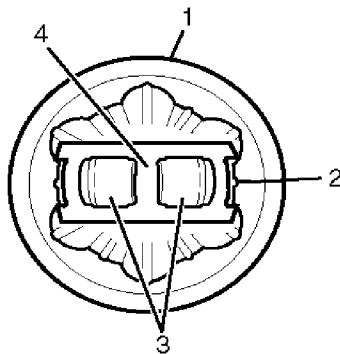
3. Use a flat-bladed tool and disengage the retaining tabs of the large seal clamp.
4. Discard the clamp.
5. Remove the small seal clamp using side cutters and discard the clamp.
6. Separate the constant velocity (CV) joint boot from the CV joint race at the large diameter.
7. Slide the boot away from the joint along the wheel drive shaft bar.
8. Wipe the excess grease from the face of the CV inner race.



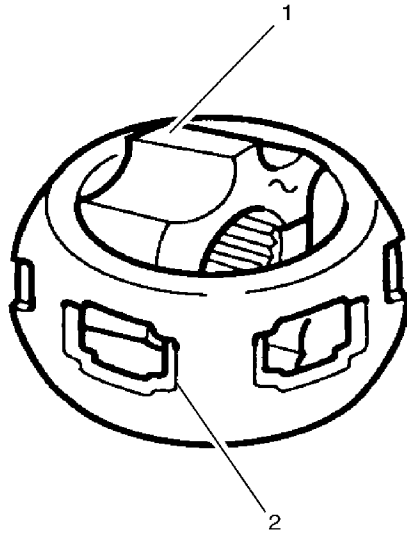
9. Place a block of wood against the CV joint outer race and carefully tap on the CV joint to remove it from the wheel drive shaft bar.
10. Remove the seal from the wheel drive shaft bar.
11. Remove the CV joint retaining ring from the wheel drive shaft bar.



12. Place a brass drift against the CV joint inner race (1).
13. Tap gently on the brass drift with a hammer in order to tilt the joint race.
14. Remove the first bearing roller (2) when the CV race tilts.
15. Repeating the steps above, tilt the CV joint inner race in the opposite direction to remove the opposing bearing roller.
16. Repeat the process to remove all 6 of the bearing rollers.

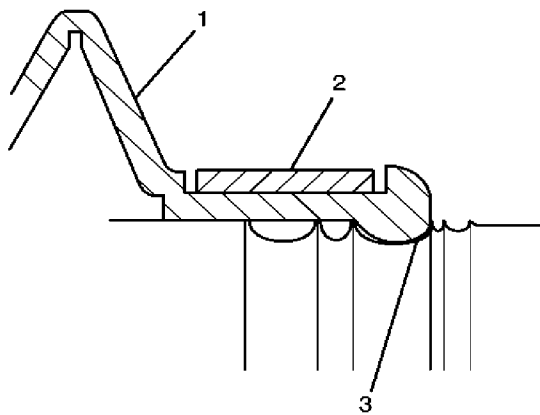


17. Pivot the CV joint cage (4) and the inner race 90 degrees to the centerline of the outer race (2). At the same time, align the cage windows (3) with the lands of the outer race.
18. Lift out the cage (4) and the inner race.



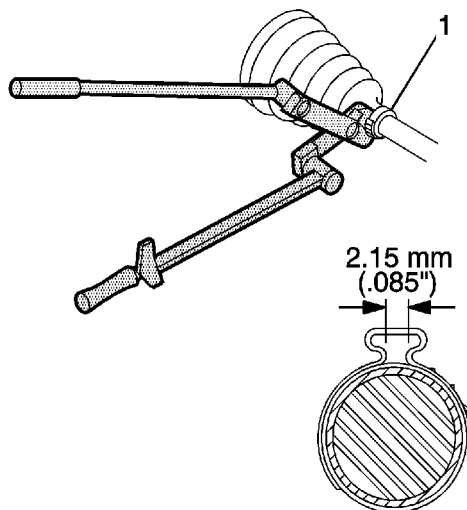
19. Remove the inner race (1) from the cage (2) by rotating the inner race upward.
20. Clean the following items thoroughly with a suitable solvent. Remove all traces of grease and contaminants.
 - The inner and outer race assemblies.
 - The CV joint cage.
 - The bearing rollers.
21. Dry all the parts with compressed air.
22. Inspect the CV joint assembly for the following:
 - Unusual wear
 - Cracks
 - Damage
23. Replace any damaged parts.
24. Clean the wheel drive shaft bar. Use a wire brush to remove any rust in the seal mounting grooves.

Installation Procedure



1. Install the new small seal clamp (2) on the neck of the outboard seal (1). Do not clamp.
2. Slide the outboard seal onto the wheel drive shaft bar and position the neck of the outboard seal in the seal groove on the bar. The largest groove below the sight groove on the wheel drive shaft bar is the seal groove seal (3).

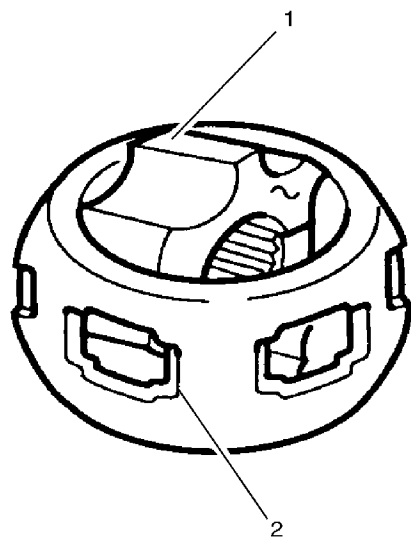
Important: Ensure that the seal clamp is properly positioned around the entire circumference of the seal.



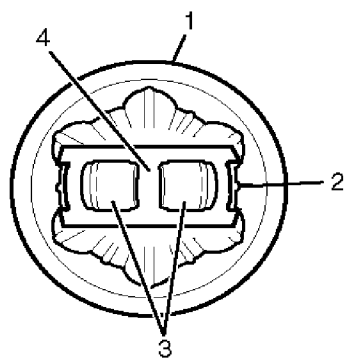
3. Crimp the seal clamp using the [J 35910](#).
4. Measure the clamp end gap dimension. The gap should not exceed 2.15 mm (0.085 in).

Specification

The gap should not exceed 2.15 mm (0.085 in).



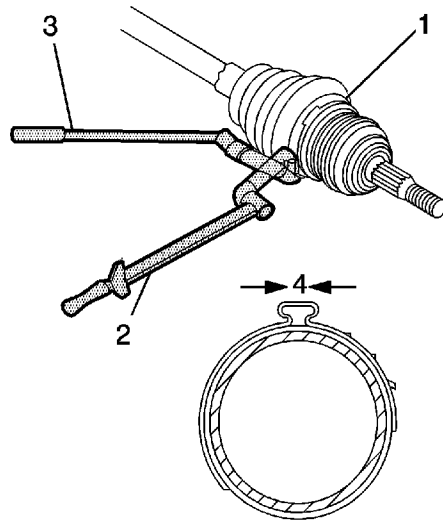
5. Put a light coat of grease from the service kit on the bearing roller grooves of the inner race and outer race.
6. Hold the inner race 90 degrees to centerline of cage with the lands of the inner race (1) aligned with the windows of the cage (2) and insert the inner race into the cage.



7. Hold the cage and inner race 90 degrees to the center line of the outer race (1) and align the cage windows (3) with the lands of the outer race.

Important: Be sure that the retaining ring side of the inner race faces the wheel drive shaft bar.

8. Place the cage and the inner race into the outer race.
9. Insert the first bearing roller, then tilt the cage to insert every other bearing roller.
10. Repeat this process until all 6 bearing rollers are in place.
11. Install the CV joint retaining ring to the wheel drive shaft bar.
12. Place approximately half the grease from the service kit inside the outboard seal and pack the CV joint with the remaining grease.



13. Place a block of wood against the CV joint spindle and tap on the block of wood until the CV joint inner race engages the retaining ring.
14. Slide the large diameter of the seal over the outside of the CV race and locate the lip of the seal in the housing groove.
15. Install the large seal retaining clamp over the seal and close using the [J 35910](#)
16. Inspect the gap dimension on the clamp ear. Continue tightening until the gap dimension is reached.

Specification

Dimension equals 1.9 mm (5/64 in).

17. Remove the wheel drive shaft from the bench vise.
18. Distribute the grease within the outer CV joint by rotating the joint in a circular motion four to five times.
19. Install the wheel drive shaft in the vehicle. Refer to [Front Wheel Drive Shaft Replacement](#) .

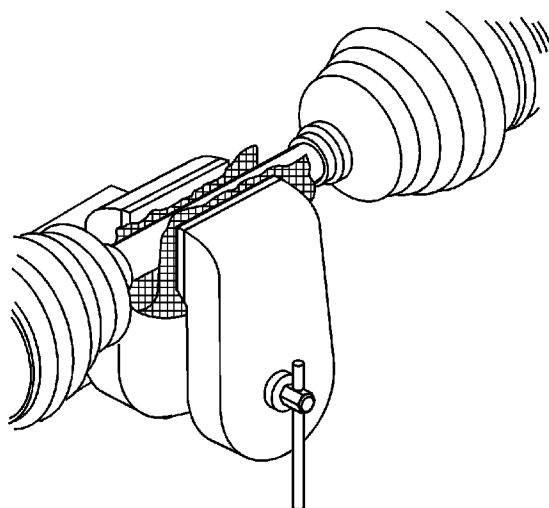
Rear Wheel Drive Shaft Outer Joint and Boot Replacement

Tools Required

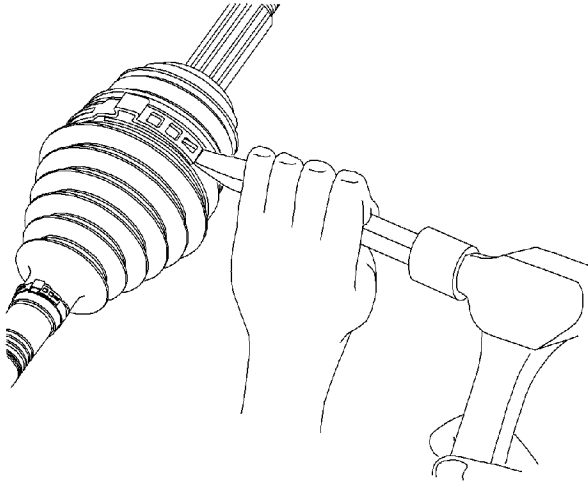
[J 35910](#) Drive Axle Seal Clamp Pliers

Disassembly Procedure

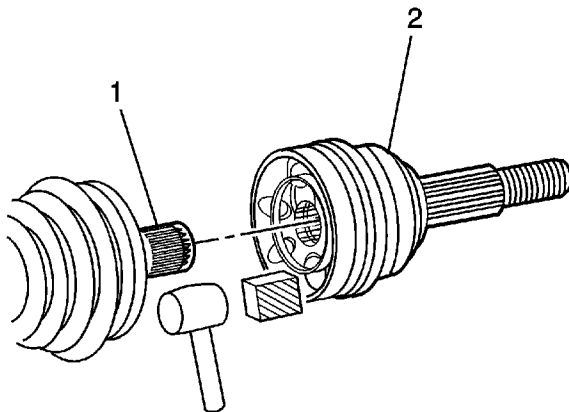
1. Remove the wheel drive shaft from the vehicle. Refer to [Rear Wheel Drive Shaft Replacement](#) .



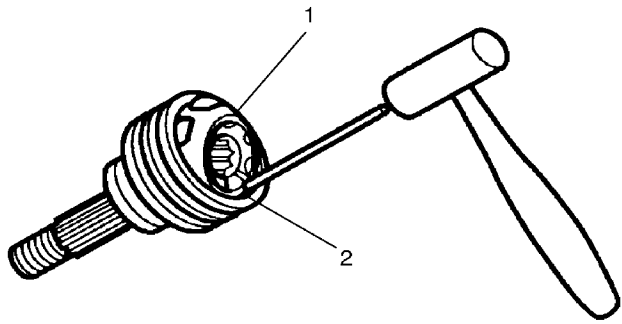
2. Clamp the drive axle shaft in a soft jawed vice.



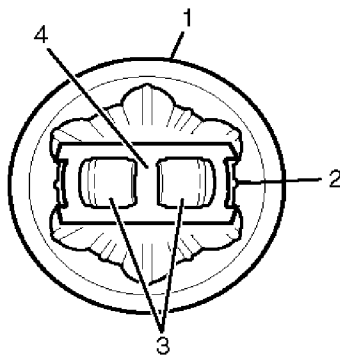
3. Use a flat-bladed tool and disengage the retaining tabs of the large seal clamp.
4. Discard the clamp.
5. Remove the small seal clamp using side cutters and discard the clamp.
6. Separate the constant velocity (CV) joint boot from the CV joint race at the large diameter.
7. Slide the boot away from the joint along the wheel drive shaft bar.
8. Wipe the excess grease from the face of the CV inner race.



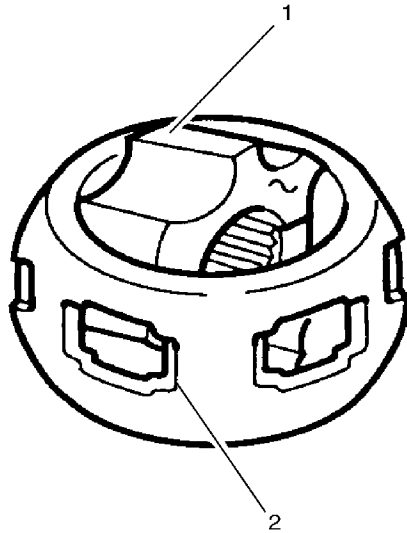
9. Place a block of wood against the CV joint outer race and carefully tap on the CV joint to remove it from the wheel drive shaft bar.
10. Remove the seal from the wheel drive shaft bar.
11. Remove the CV joint retaining ring from the wheel drive shaft bar.



12. Place a brass drift against the CV joint inner race (1).
13. Tap gently on the brass drift with a hammer in order to tilt the joint race.
14. Remove the first bearing roller (2) when the CV race tilts.
15. Tilt the CV joint inner race in the opposite direction to remove the opposing bearing roller.
16. Repeat the process to remove all 6 of the bearing rollers.

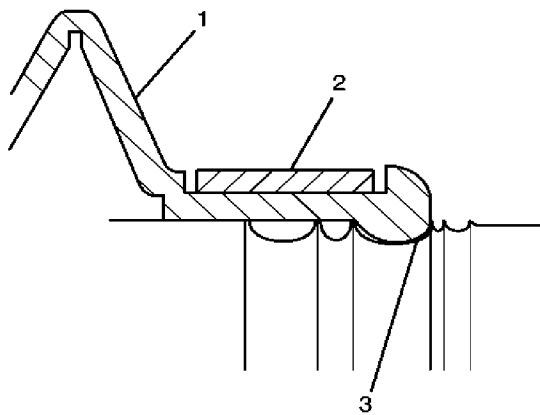


17. Pivot the CV joint cage (4) and the inner race 90 degrees to the centerline of the outer race (2). At the same time, align the cage windows (3) with the lands of the outer race.
18. Lift out the cage (4) and the inner race.



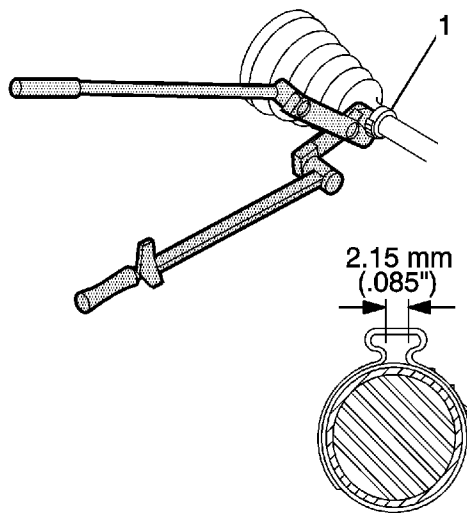
19. Remove the inner race (1) from the cage (2) by rotating the inner race upward.
20. Clean the following items thoroughly with a suitable solvent. Remove all traces of grease and contaminants.
 - The inner and outer race assemblies
 - The CV joint cage
 - The bearing rollers
21. Dry all the parts with compressed air.
22. Inspect the CV joint assembly for the following:
 - Unusual wear
 - Cracks
 - Damage
23. Replace any damaged parts.
24. Clean the wheel drive shaft bar. Use a wire brush to remove any rust in the seal mounting grooves.

Installation Procedure



1. Install the new small seal clamp (2) on the neck of the outboard seal (1). Do not clamp.
2. Slide the outboard seal onto the wheel drive shaft bar and position the neck of the outboard seal in the seal groove on the bar. The largest groove below the sight groove on the wheel drive shaft bar is the seal groove seal (3).

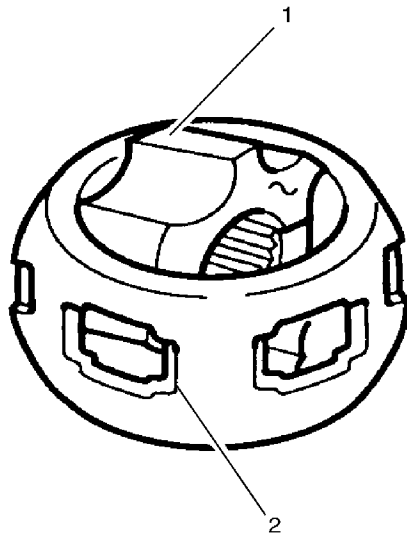
Important: Ensure that the seal clamp is properly positioned around the entire circumference of the seal.



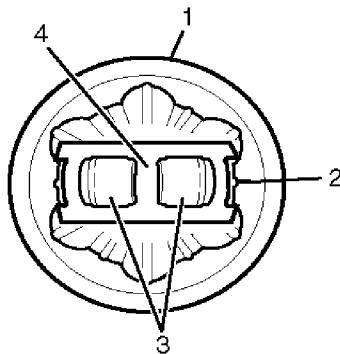
3. Crimp the seal clamp using the [J 35910](#).
4. Measure the clamp end gap dimension. The gap should not exceed 2.15 mm (0.85 in).

Specification

The gap should not exceed 2.15 mm (0.85 in).



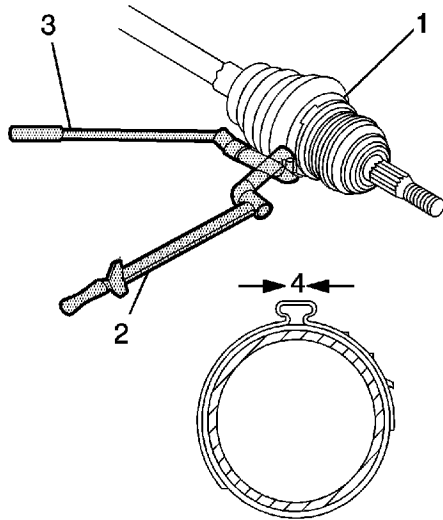
5. Put a light coat of grease from the service kit on the bearing roller grooves of the inner race and outer race.
6. Hold the inner race 90 degrees to centerline of cage with the lands of the inner race (1) aligned with the windows of the cage (2) and insert the inner race into the cage.



7. Hold the cage and inner race 90 degrees to the center line of the outer race (1) and align the cage windows (3) with the lands of the outer race.

Important: Be sure that the retaining ring side of the inner race faces the wheel drive shaft bar.

8. Place the cage and the inner race into the outer race.
9. Insert the first bearing roller, then tilt the cage in the opposite direction to insert the opposing bearing roller.
10. Repeat this process until all 6 bearing rollers are in place.
11. Using pliers, install the CV joint retaining ring to the wheel drive shaft bar.
12. Place approximately half the grease from the service kit inside the outboard seal and pack the CV joint with the remaining grease.



13. Place a block of wood against the CV joint spindle and tap on the block of wood until the CV joint inner race engages the retaining ring.
14. Slide the large diameter of the seal over the outside of the CV race and locate the lip of the seal in the housing groove.
15. Instal the large seal retaining clamp over the seal and close using the [J 35910](#) .
16. Inspect the gap dimension on the clamp ear. Continue tightening until the gap dimension is reached.

Specification

Dimension equals 1.9 mm (5/64 in).

17. Remove the wheel drive shaft from the bench vise.
18. Distribute the grease within the outer CV joint by rotating the joint in a circular motion 4 to 5 times.
19. Install the wheel drive shaft in the vehicle. Refer to [Rear Wheel Drive Shaft Replacement](#) .