

2018 DRIVELINE/AXLE

Wheel Drive Shafts - Equinox & Terrain

SPECIFICATIONS

FASTENER SPECIFICATIONS

Single Use Non-Threaded Fasteners/Components

NOTE: <i>All fasteners/components listed in this table MUST BE DISCARDED and replaced with NEW after removal.</i>	
Application	
CV Joint Inner Boot Clamp	
CV Joint Large Boot Clamp	
CV Joint Outer Boot Clamp	
CV Joint Small Boot Clamp	
Front Wheel Drive Shaft Washer	
Power Transfer Unit O-Ring	
Power Transfer Unit Retaining Ring	
Wheel Drive Shaft O-Ring	
Wheel Drive Shaft Retaining Clip	
Wheel Drive Shaft Retaining Ring	

Single Use Threaded Fastener/Component Tightening Specifications

NOTE: <i>All fasteners/components listed in this table MUST BE DISCARDED and replaced with NEW after removal.</i>	
Application	Specification
	Metric (English)
Front Wheel Drive Shaft Nut	
First Pass:	150 N.m (111 lb ft)
Second Pass:	Loosen 45 degrees
Final Pass:	250 N.m (185 lb ft)
Rear Wheel Drive Shaft Nut	
First Pass:	150 N.m (111 lb ft)
Second Pass:	Loosen 45 degrees
Final Pass:	250 N.m (185 lb ft)

ADHESIVES, FLUIDS, LUBRICANTS, AND SEALERS

Application	Type of Material	GM Part Number
Wheel Drive Shaft	Grease	Refer to Electronic Parts Catalog

REPAIR INSTRUCTIONS

FRONT WHEEL DRIVE HALF SHAFT REPLACEMENT - LEFT SIDE

Special Tools

- J-45859 Hub Spindle Remover

Equivalent regional tools: [Special Tools](#)

Removal Procedure

1. Place a drain pan under the vehicle.
2. Remove the left front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
3. Have an assistant apply the brakes.

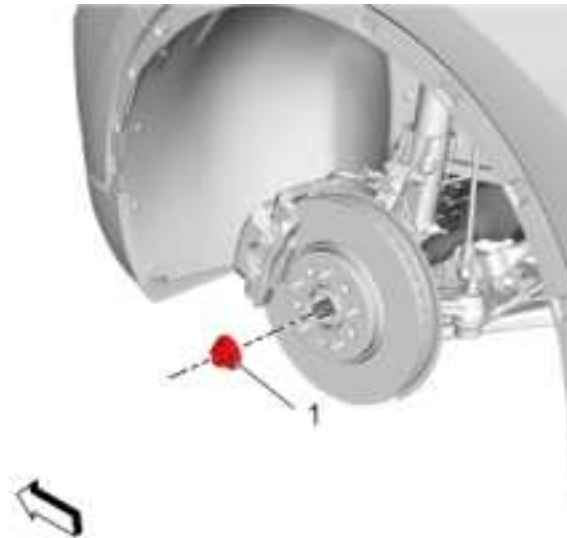


Fig. 1: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: DO NOT use air tools to remove the wheel drive shaft nut. Damage to the wheel drive shaft threads could occur. Use hand tools only.

WARNING: To prevent personal injury and/or component damage, do not allow the weight of the vehicle to load the front wheels, or attempt to operate the vehicle, when the wheel drive shaft(s) or wheel drive shaft nut(s) are removed. To do so may cause the inner bearing race to separate, resulting in damage to brake and suspension components and loss of vehicle control.

4. Remove Wheel Drive Shaft Nut (1) and DISCARD

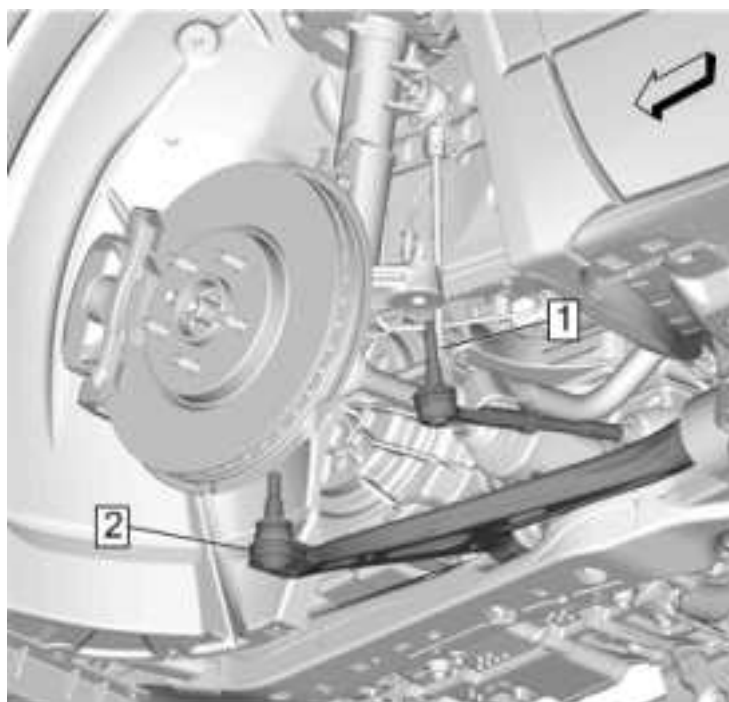


Fig. 2: Steering Linkage Outer Tie Rod
Courtesy of GENERAL MOTORS COMPANY

5. Separate Steering Linkage Outer Tie Rod (1) @Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
6. Separate Lower Control Arm (1) @Knuckle - [Lower Control Arm Replacement \(Equinox\)](#) [Lower Control Arm Replacement \(Terrain\)](#)

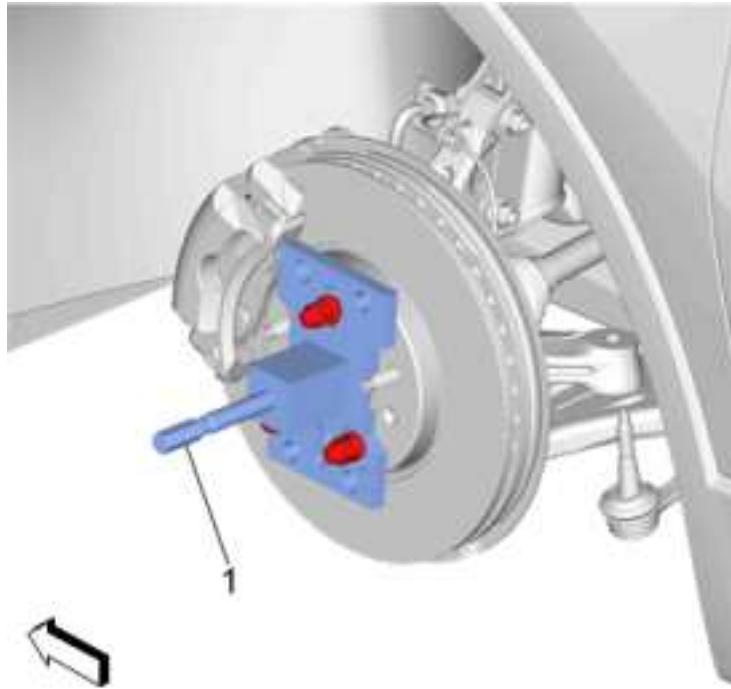


Fig. 3: Attaching Remover To Wheel Hub
Courtesy of GENERAL MOTORS COMPANY

7. Attach the *J-45859* remover (1) to the wheel hub using the wheel lug nuts.
8. Using the *J-45859* remover (1) release the front wheel drive halfshaft from the wheel hub.
9. Remove the *J-45859* remover (1) from the wheel hub.

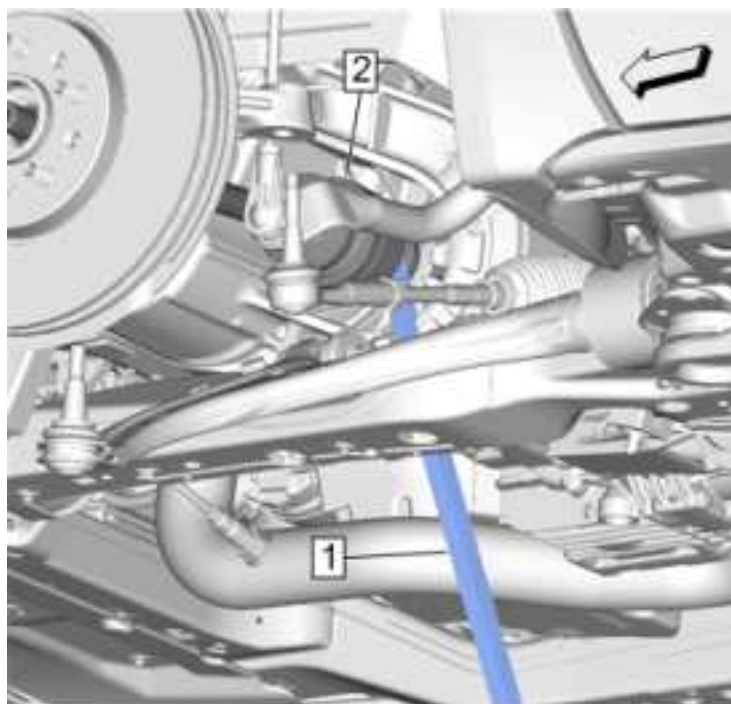


Fig. 4: Separating Wheel Drive Shaft From Transmission
Courtesy of GENERAL MOTORS COMPANY

CAUTION: Wheel drive shaft boots, seals and clamps should be protected from sharp objects any time service is performed on or near the wheel drive shaft(s). Damage to the boot(s), the seal(s) or the clamp(s) may cause

lubricant to leak from the joint and lead to increased noise and possible failure of the wheel drive shaft.

10. Use a suitable flat bladed tool (1) to dislodge the wheel drive shaft (2) from the transmission.

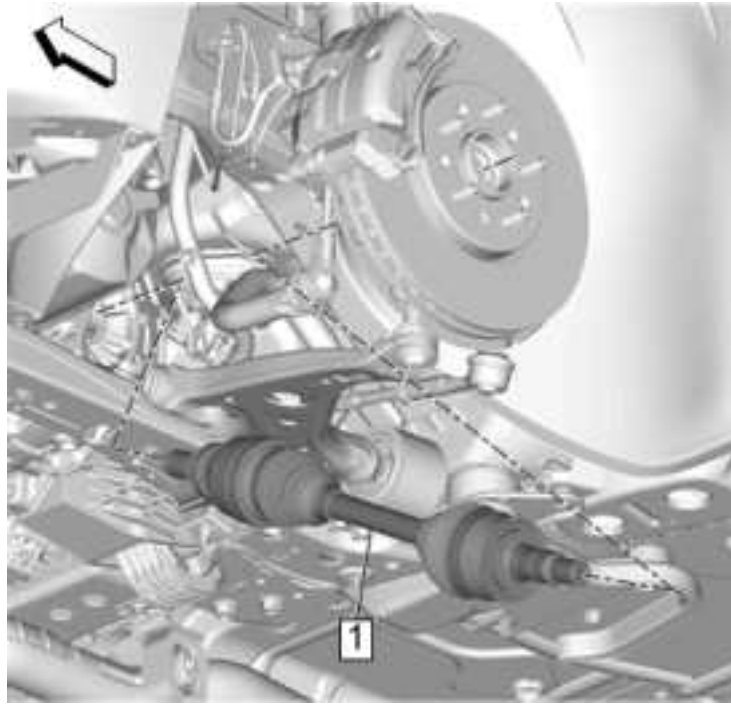


Fig. 5: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

11. Remove Front Wheel Drive Half Shaft (1)

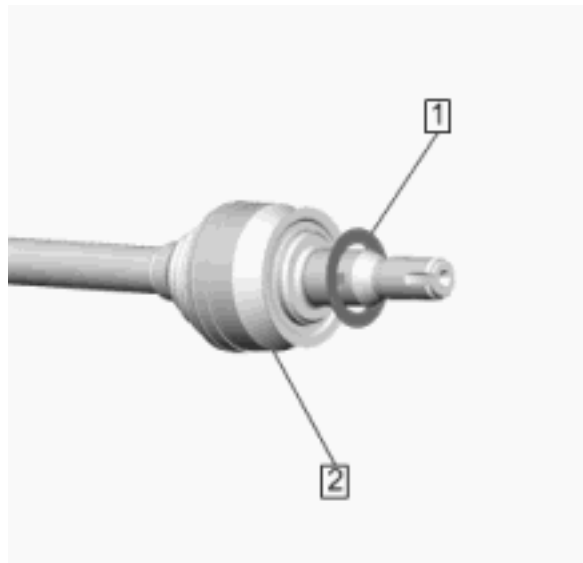


Fig. 6: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

12. Remove Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2) and DISCARD



Fig. 7: Retaining Ring

Courtesy of GENERAL MOTORS COMPANY

13. Remove Retaining Ring (1) and DISCARD

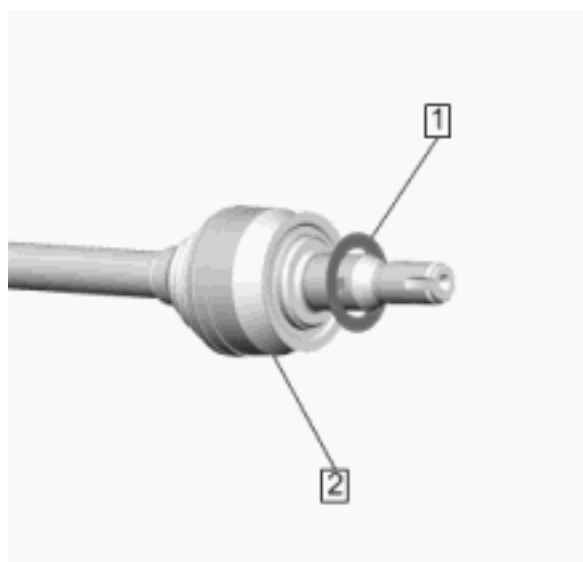
Installation Procedure



Fig. 8: Retaining Ring

Courtesy of GENERAL MOTORS COMPANY

1. Install Retaining Ring (1) - a NEW retaining ring.



2. Install NEW Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2)

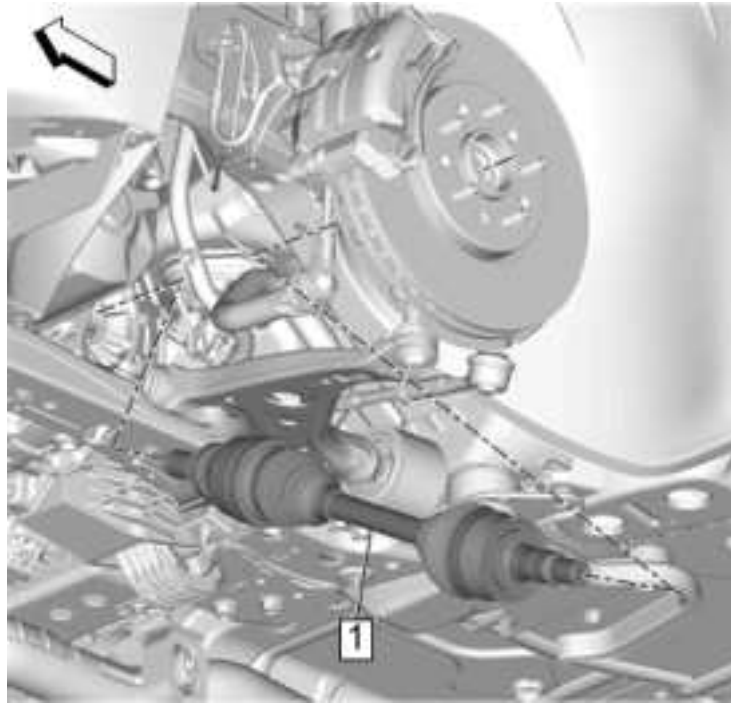


Fig. 10: Wheel Drive Shaft
Courtesy of GENERAL MOTORS COMPANY

NOTE: Ensure that the wheel drive shaft is fully seated in the transmission.

3. Install Wheel Drive Shaft (1)
4. Install the front wheel drive shaft into the front wheel bearing/hub.

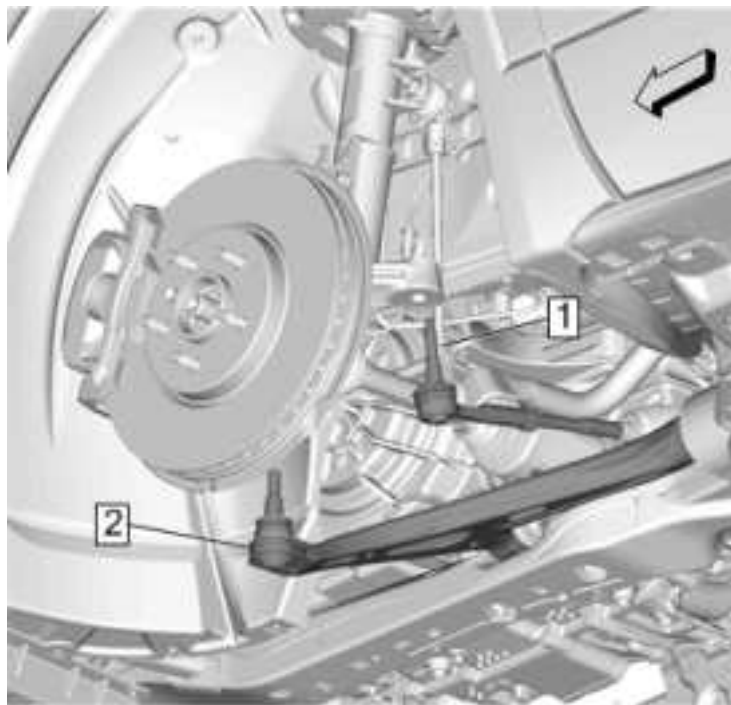


Fig. 11: Steering Linkage Outer Tie Rod
Courtesy of GENERAL MOTORS COMPANY

5. Install Lower Control Arm (2) @Steering Knuckle - [Lower Control Arm Replacement \(Equinox\)](#) [Lower Control Arm Replacement \(Terrain\)](#)
6. Install Steering Linkage Outer Tie Rod (1) @Steering Knuckle [Steering Linkage Outer Tie Rod Replacement](#)
7. Have an assistant apply the brakes.

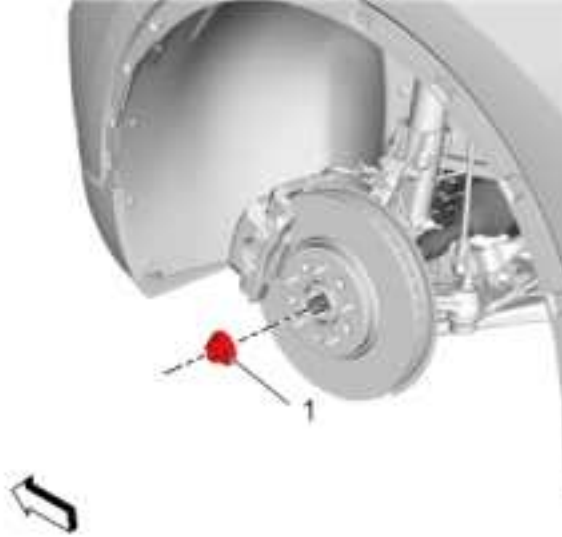


Fig. 12: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

8. Install a NEW Wheel Drive Shaft Nut (1).

Tighten

- First Pass:150 N.m (111 lb ft)
- Second Pass:Loosen 45 degrees
- Final Pass:250 N.m (185 lb ft)

9. Install the left front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)

10. Check the transmission fluid level. [Transmission Fluid Level and Condition Check](#)

11. Remove the drain pan.

FRONT WHEEL DRIVE HALF SHAFT REPLACEMENT - RIGHT SIDE (AWD)

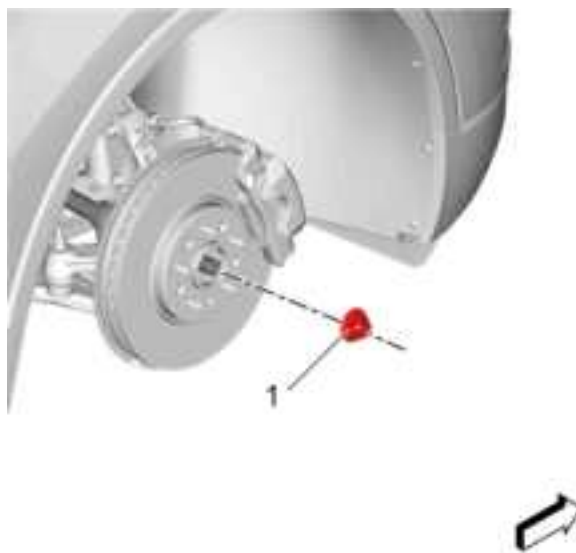
Special Tools

- **J-45859** Hub Spindle Remover

Equivalent regional tools:[Special Tools](#)

Removal Procedure

1. Remove the right front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
2. Have an assistant apply the brakes.



CAUTION: DO NOT use air tools to remove the wheel drive shaft nut. Damage to the wheel drive shaft threads could occur. Use hand tools only.

WARNING: To prevent personal injury and/or component damage, do not allow the weight of the vehicle to load the front wheels, or attempt to operate the vehicle, when the wheel drive shaft(s) or wheel drive shaft nut(s) are removed. To do so may cause the inner bearing race to separate, resulting in damage to brake and suspension components and loss of vehicle control.

3. Remove Wheel Drive Shaft Nut (1) and DISCARD
4. Separate Steering Linkage Outer Tie Rod@Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
5. Separate Lower Control Arm@Knuckle - [Lower Control Arm Replacement \(Equinox\)](#) [Lower Control Arm Replacement \(Terrain\)](#)

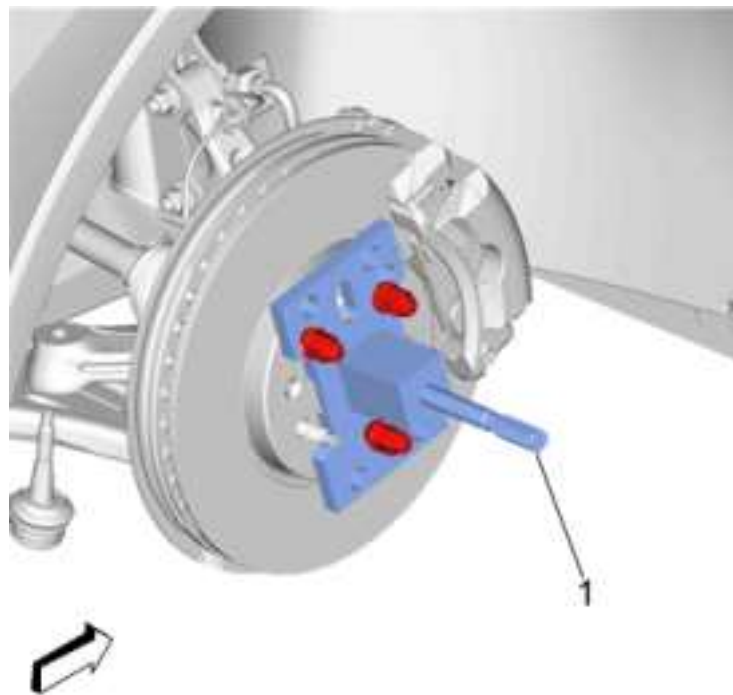


Fig. 14: Attaching Remover To Wheel Hub
Courtesy of GENERAL MOTORS COMPANY

6. Attach the *J-45859* remover (1) to the wheel hub using the wheel lug nuts.
7. Using the *J-45859* remover (1) release the front wheel drive half shaft from the wheel hub.
8. Remove the *J-45859* remover (1) from the wheel hub.

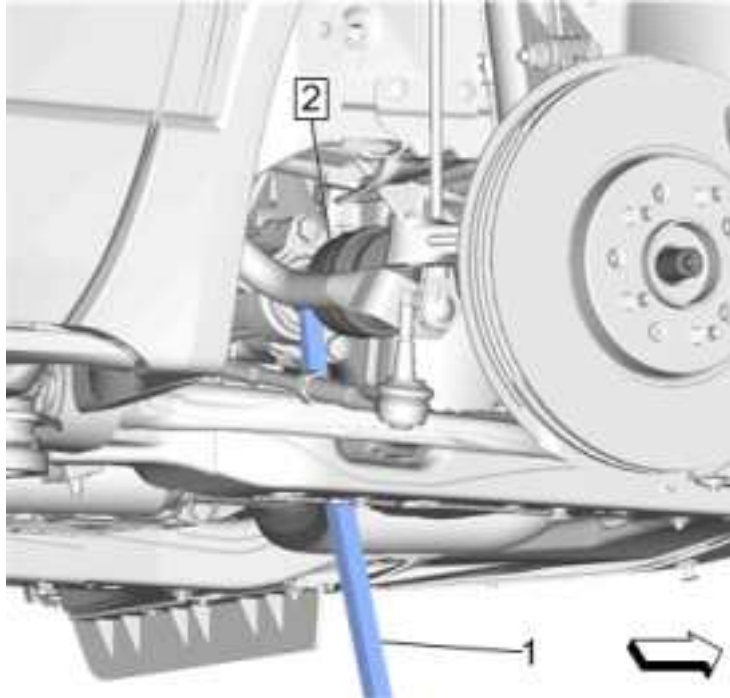


Fig. 15: Separating Wheel Drive Shaft From Transmission
Courtesy of GENERAL MOTORS COMPANY

9. Using a suitable flat bladed tool (1) separate the wheel drive half shaft from the power transfer unit.

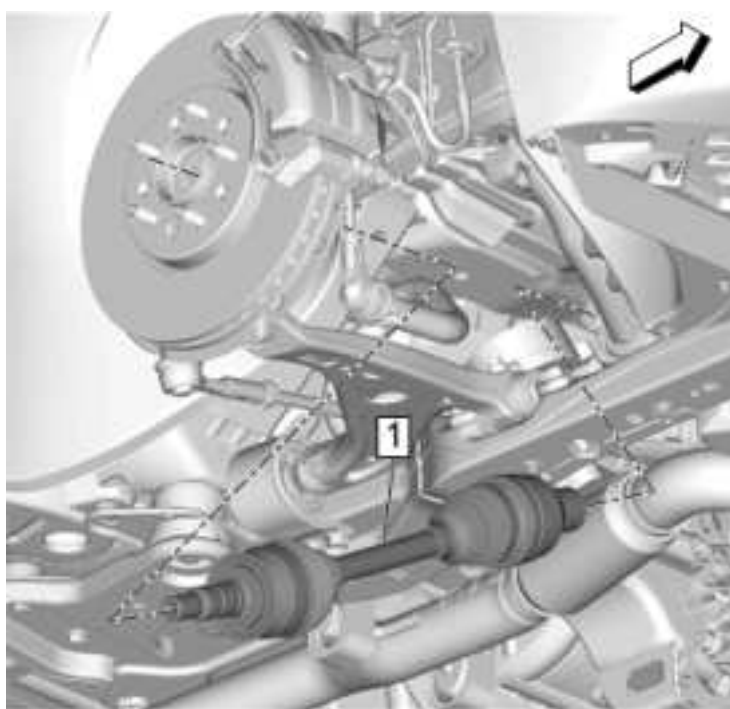


Fig. 16: Wheel Drive Shaft
Courtesy of GENERAL MOTORS COMPANY

10. Remove Wheel Drive Shaft (1).

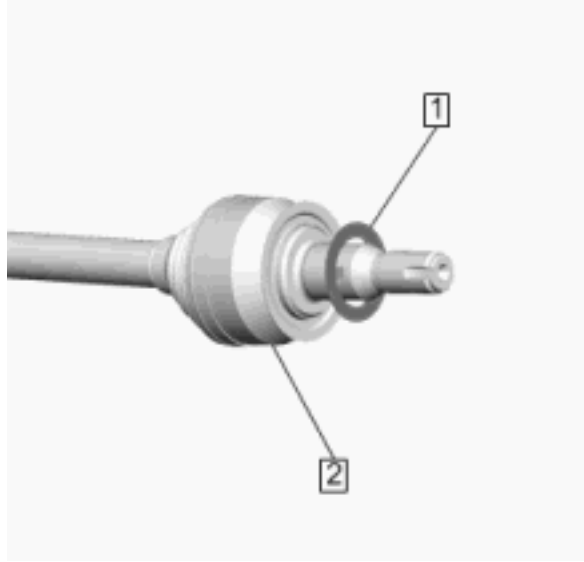


Fig. 17: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

11. Remove Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (1) and DISCARD

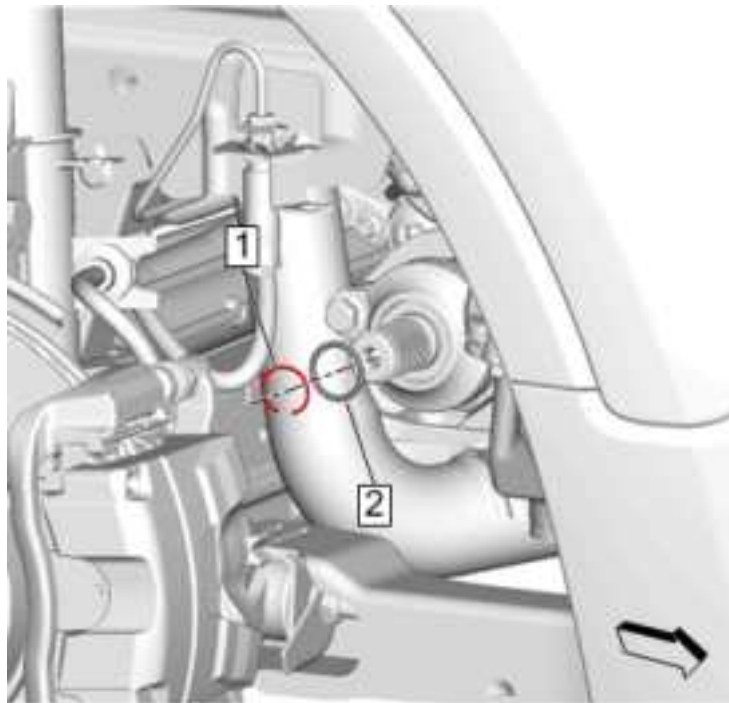


Fig. 18: Retaining Ring And O-Ring

Courtesy of GENERAL MOTORS COMPANY

12. Remove Retaining Ring (1) @Power Transfer Unit and DISCARD
13. Remove O-Ring (2) @Power Transfer Unit and DISCARD

Installation Procedure

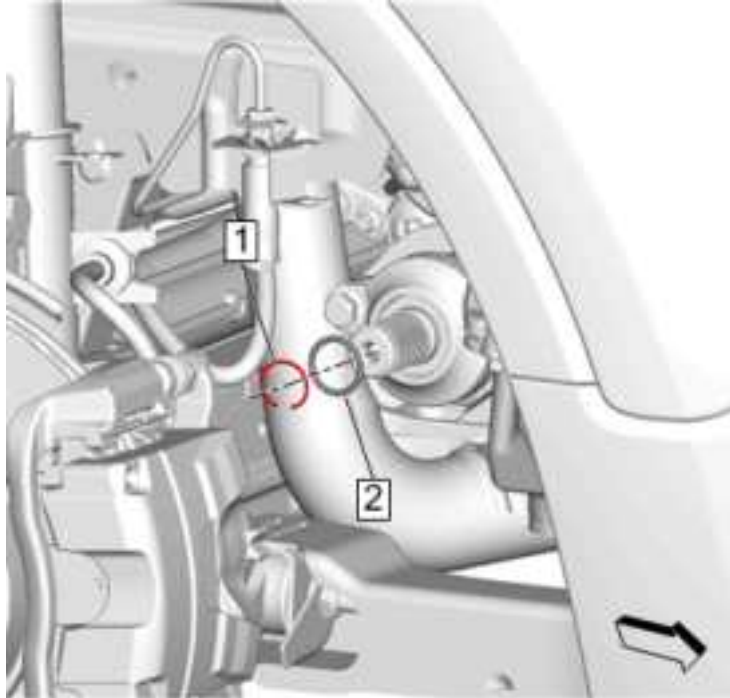


Fig. 19: Retaining Ring And O-Ring

Courtesy of GENERAL MOTORS COMPANY

1. Install a NEW O-Ring (2) @Power Transfer Unit - O-ring seal.
2. Install a NEW Retaining Ring (1) @Power Transfer Unit.

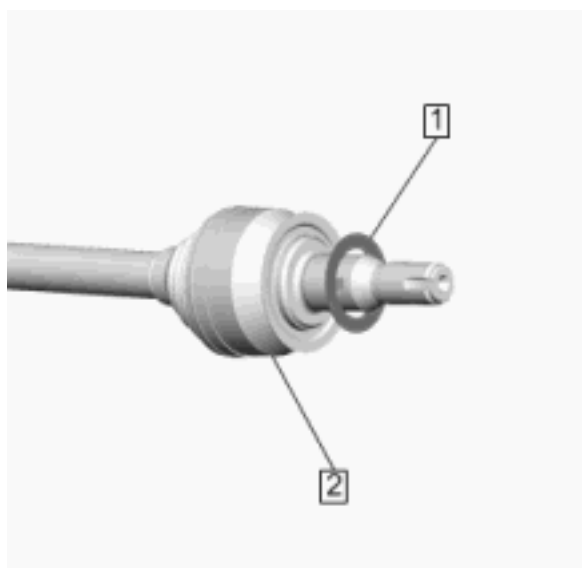


Fig. 20: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

3. Install a NEW Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2)

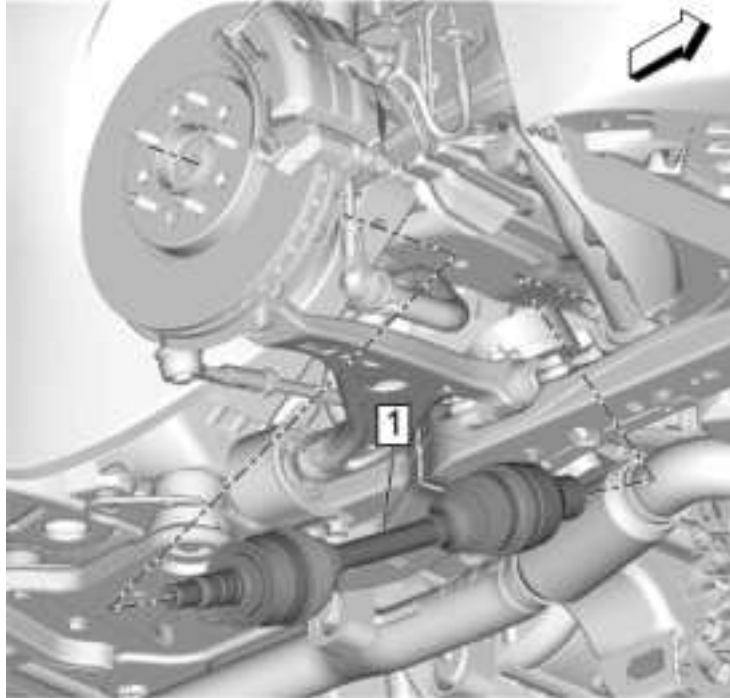


Fig. 21: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

NOTE: Ensure that the wheel drive half shaft is fully seated in the power transfer unit.

4. Install Wheel Drive Shaft (1)
5. Install the front wheel drive shaft into the front wheel bearing/hub.
6. Install Lower Control Arm@Steering Knuckle - [Lower Control Arm Replacement \(Equinox\)](#), [Lower Control Arm Replacement \(Terrain\)](#).
7. Install Steering Linkage Outer Tie Rod@Steering Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
8. Have an assistant apply the brakes.

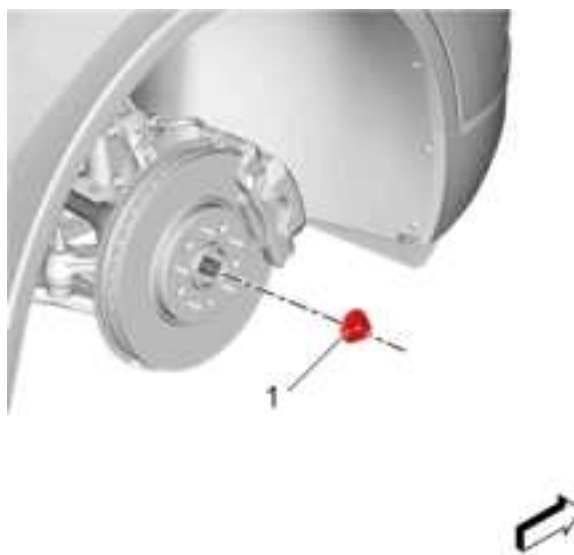


Fig. 22: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

9. Install a NEW Wheel Drive Shaft Nut (1).

Tighten

- First Pass:150 N.m (111 lb ft)

- Second Pass: Loosen 45 degrees
- Final Pass: 250 N.m (185 lb ft)

10. Install the right front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)

FRONT WHEEL DRIVE HALF SHAFT REPLACEMENT - RIGHT SIDE (M3U, MHG, MNH, MNK WITH FWD)

Special Tools

- **J-45859** Hub Spindle Remover

Equivalent regional tools: [Special Tools](#)

Removal Procedure

1. Place a drain pan under the vehicle.
2. Remove the right front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
3. Have an assistant apply the brakes.



Fig. 23: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: DO NOT use air tools to remove the wheel drive shaft nut. Damage to the wheel drive shaft threads could occur. Use hand tools only.

WARNING: To prevent personal injury and/or component damage, do not allow the weight of the vehicle to load the front wheels, or attempt to operate the vehicle, when the wheel drive shaft(s) or wheel drive shaft nut(s) are removed. To do so may cause the inner bearing race to separate, resulting in damage to brake and suspension components and loss of vehicle control.

4. Remove Wheel Drive Shaft Nut (1) and DISCARD
5. Separate Steering Linkage Outer Tie Rod@Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
6. Separate Lower Control Arm@Knuckle - [Lower Control Arm Replacement \(Equinox\)](#) [Lower Control Arm Replacement \(Terrain\)](#)

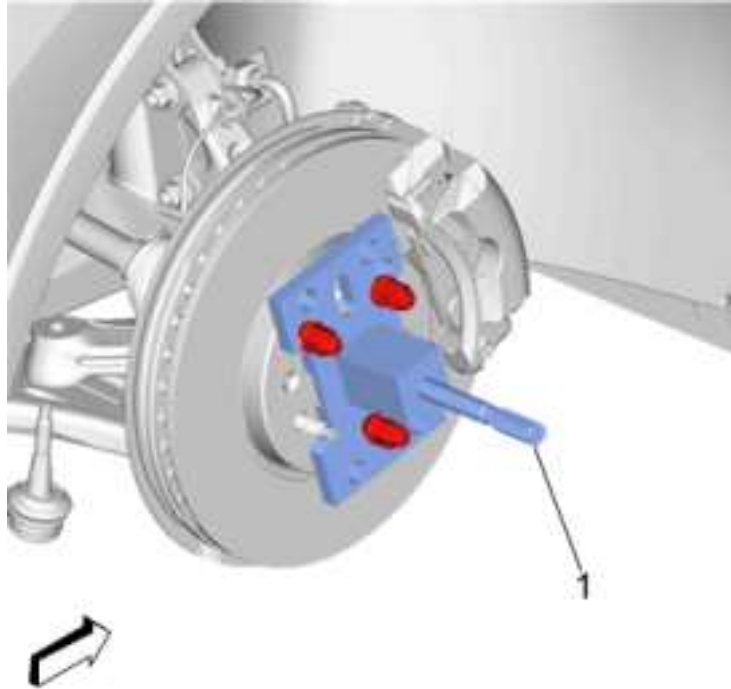


Fig. 24: Attaching Remover To Wheel Hub
 Courtesy of GENERAL MOTORS COMPANY

7. Attach the *J-45859* remover (1) to the wheel hub using the wheel lug nuts.
8. Using the *J-45859* remover (1) release the front wheel drive halfshaft from the wheel hub.
9. Remove the *J-45859* remover (1) from the wheel hub.

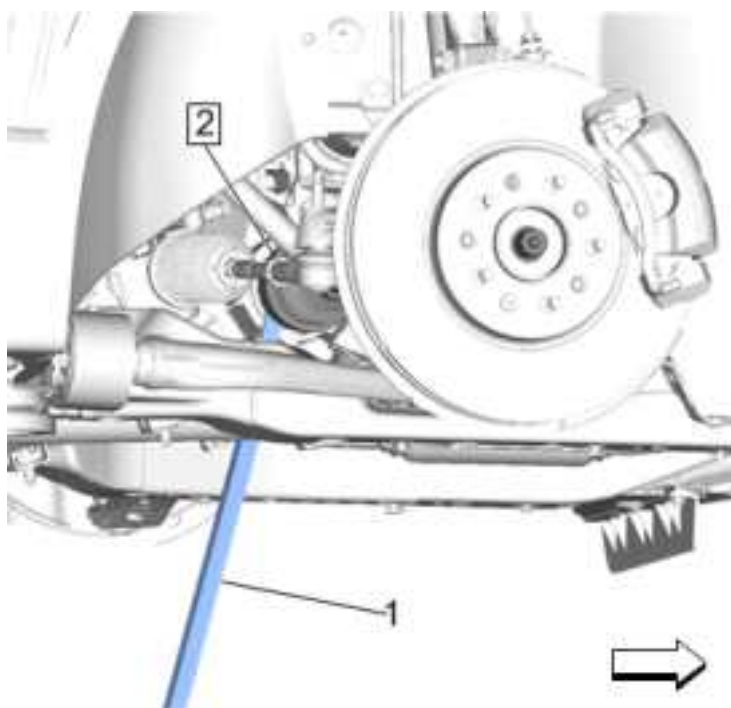


Fig. 25: Snap Ring
 Courtesy of GENERAL MOTORS COMPANY

10. Using a suitable flat bladed tool (1) separate the wheel drive shaft (2) from the transmission.

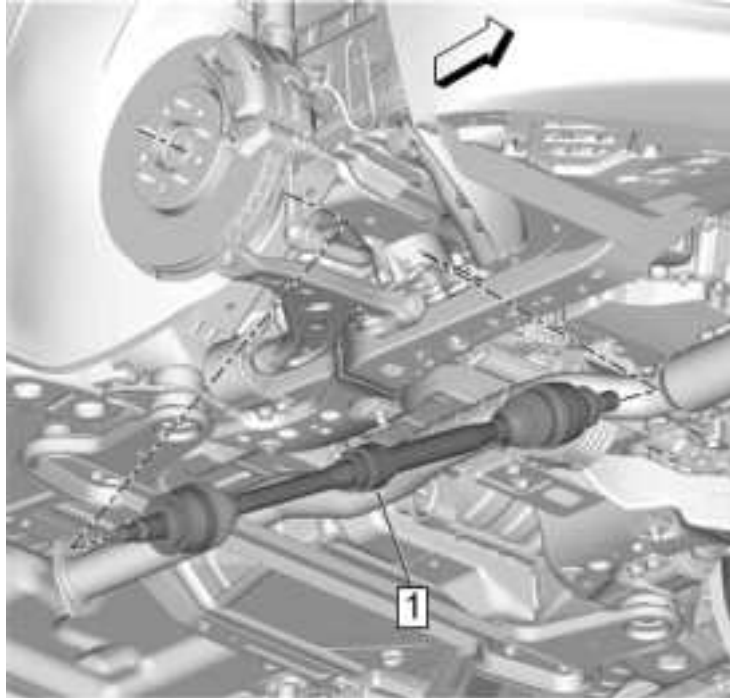


Fig. 26: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

11. Remove Wheel Drive Shaft (1)

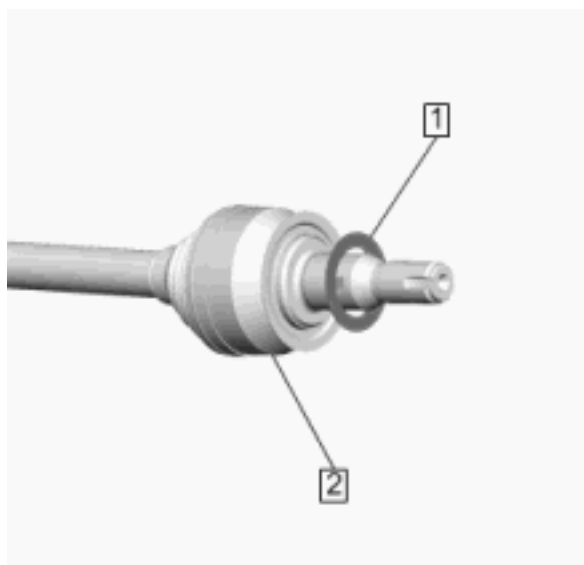


Fig. 27: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

12. Remove Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2) and DISCARD

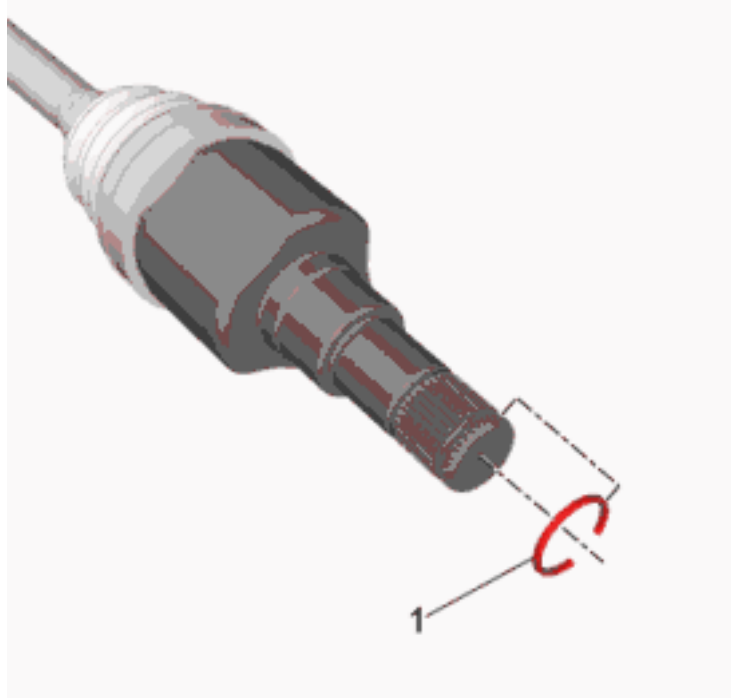


Fig. 28: Retaining Ring

Courtesy of GENERAL MOTORS COMPANY

13. Remove Retaining Ring (1) and DISCARD

Installation Procedure

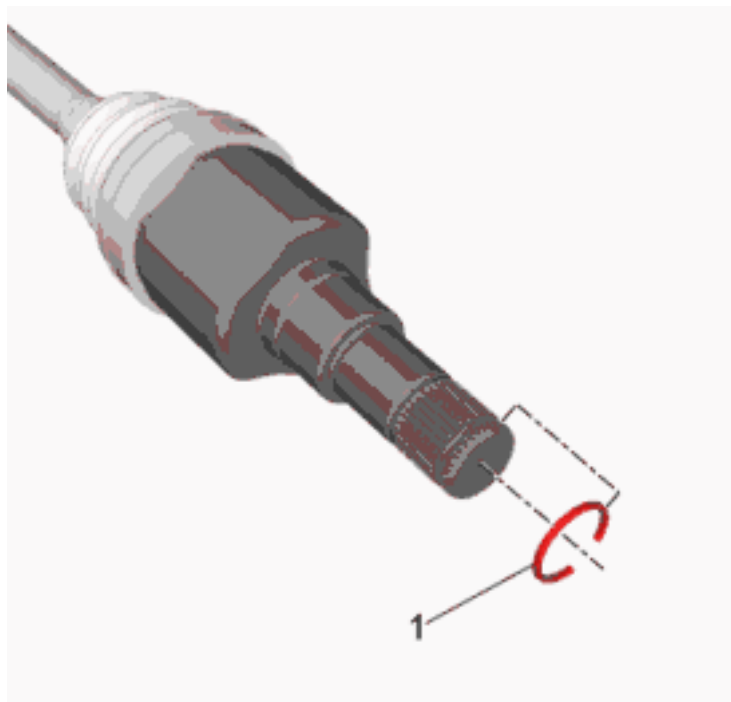


Fig. 29: Retaining Ring

Courtesy of GENERAL MOTORS COMPANY

1. Install a NEW Retaining Ring (1).

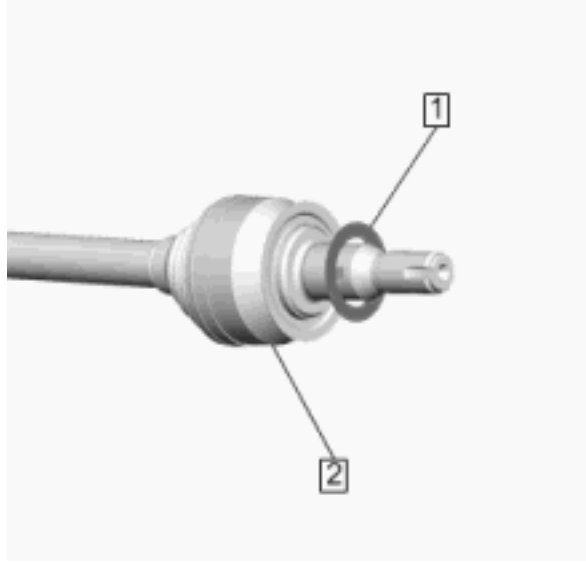


Fig. 30: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

2. Install NEW Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2)

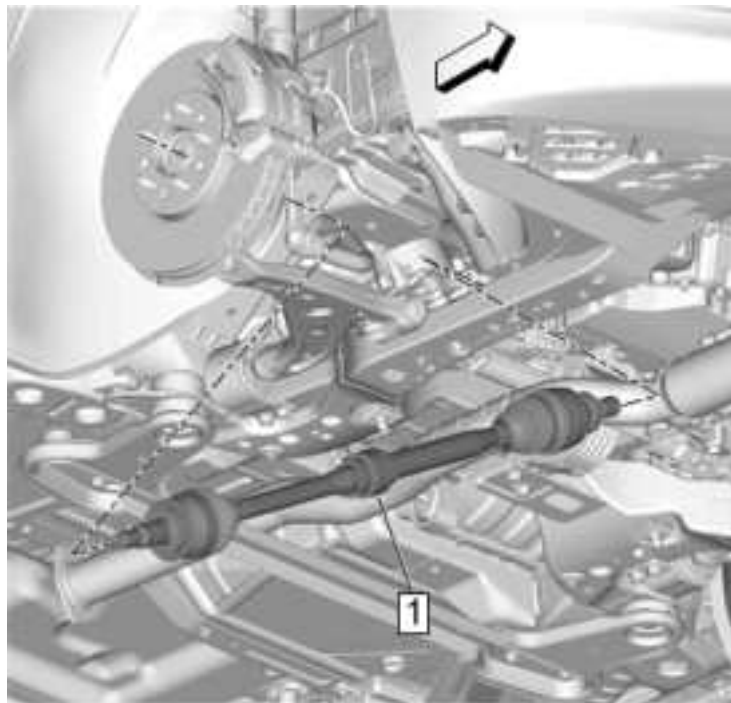


Fig. 31: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

NOTE: Ensure that the wheel drive shaft is fully seated in the transmission.

3. Install Wheel Drive Shaft (1).
4. Install the front wheel drive shaft into the front wheel bearing/hub.
5. Install Lower Control Arm@Steering Knuckle - [Lower Control Arm Replacement \(Equinox\)](#)
[Lower Control Arm Replacement \(Terrain\)](#).
6. Install Steering Linkage Outer Tie Rod@Steering Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
7. Have an assistant apply the brakes.



Fig. 32: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

8. Install a NEW Wheel Drive Shaft Nut (1).

Tighten

- First Pass:150 N.m (111 lb ft)
- Second Pass:Loosen 45 degrees
- Final Pass:250 N.m (185 lb ft)

9. Install the right front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
10. Check the transmission fluid level. [Transmission Fluid Level and Condition Check](#)
11. Remove the drain pan.

FRONT WHEEL DRIVE HALF SHAFT REPLACEMENT - RIGHT SIDE (M3D, M3H WITH FWD)

Special Tools

- **J-45859** Hub Spindle Remover

Equivalent regional tools:[Special Tools](#)

Removal Procedure

1. Place a drain pan under the vehicle.
2. Remove the right front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
3. Have an assistant apply the brakes.



Fig. 33: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: DO NOT use air tools to remove the wheel drive shaft nut. Damage to the wheel drive shaft threads could occur. Use hand tools only.

WARNING: To prevent personal injury and/or component damage, do not allow the weight of the vehicle to load the front wheels, or attempt to operate the vehicle, when the wheel drive shaft(s) or wheel drive shaft nut(s) are removed. To do so may cause the inner bearing race to separate, resulting in damage to brake and suspension components and loss of vehicle control.

4. Remove Wheel Drive Shaft Nut (1) and DISCARD

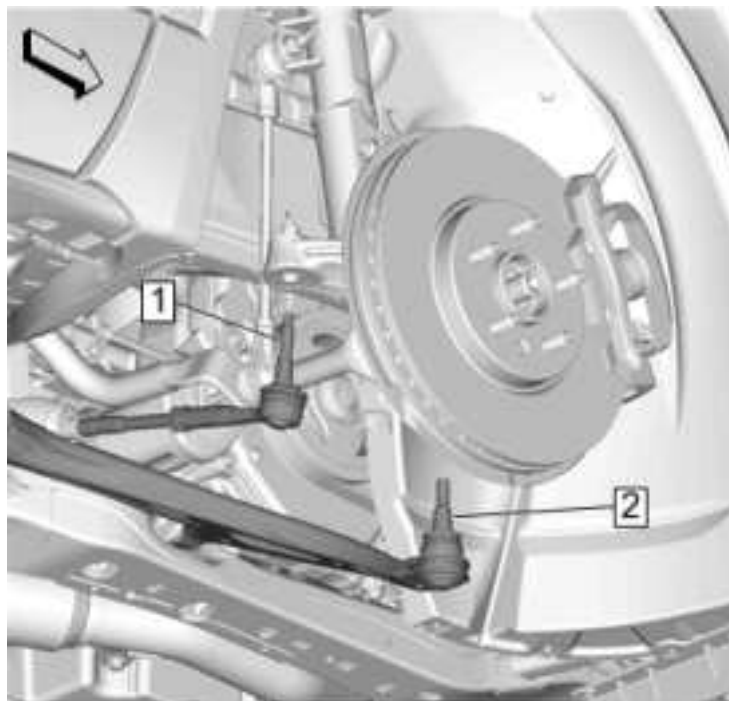


Fig. 34: Steering Linkage Outer Tie Rod

Courtesy of GENERAL MOTORS COMPANY

5. Separate Steering Linkage Outer Tie Rod (1) @Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
6. Separate Lower Control Arm (2) @Knuckle - [Lower Control Arm Replacement \(Equinox\)](#) [Lower Control Arm Replacement \(Terrain\)](#)

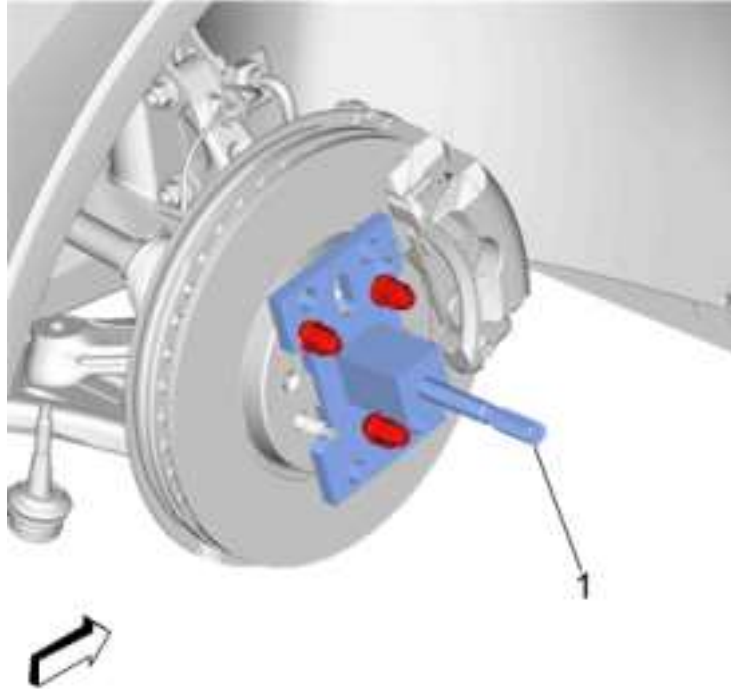


Fig. 35: Attaching Remover To Wheel Hub
 Courtesy of GENERAL MOTORS COMPANY

- 7.
8. Attach the **J-45859** Hub Spindle Remover (1) to the front wheel bearing and hub assembly using the wheel lug nuts.
9. Using the **J-45859** Hub Spindle Remover (1) release the front wheel drive half shaft from the front wheel bearing and hub assembly.
10. Remove the **J-45859** Hub Spindle Remover (1) from the front wheel bearing and hub assembly.
11. Separate Front Wheel Drive Half Shaft@Front Wheel Bearing and Hub Assembly.

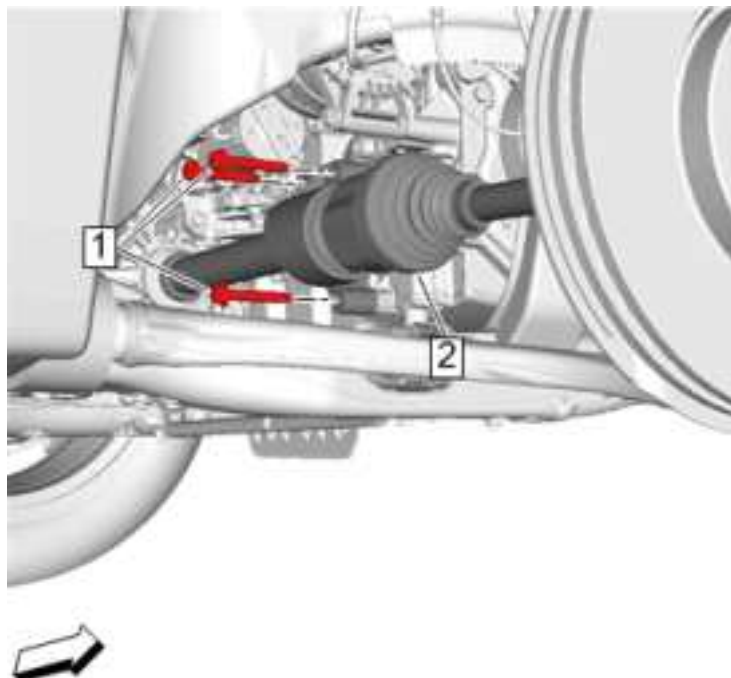


Fig. 36: Front Wheel Drive Intermediate Shaft Bracket Bolt
 Courtesy of GENERAL MOTORS COMPANY

12. Remove Front Wheel Drive Intermediate Shaft Bracket Bolt (1) @Front Wheel Drive Half Shaft (2)

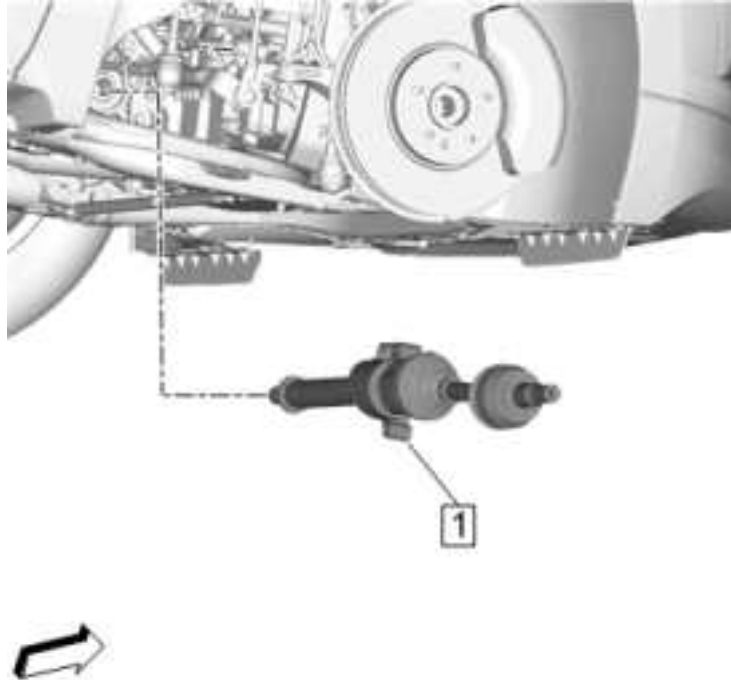


Fig. 37: Front Wheel Drive Half Shaft

Courtesy of GENERAL MOTORS COMPANY

13. Remove Front Wheel Drive Half Shaft (1) @Transmission.
14. Remove Front Wheel Drive Half Shaft (1).

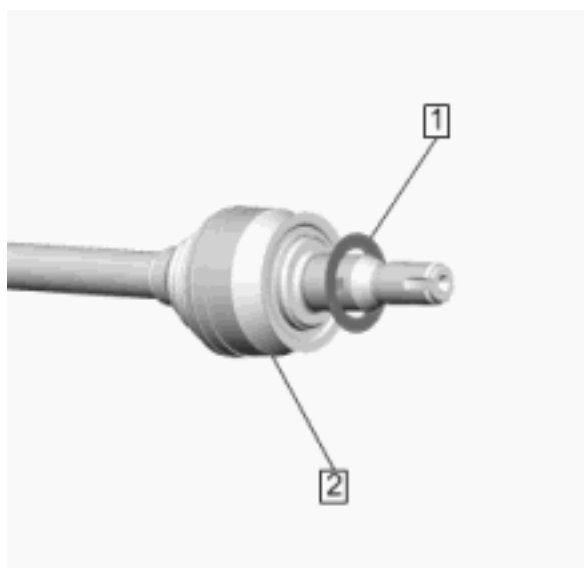


Fig. 38: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

15. Remove Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2) and DISCARD

Installation Procedure

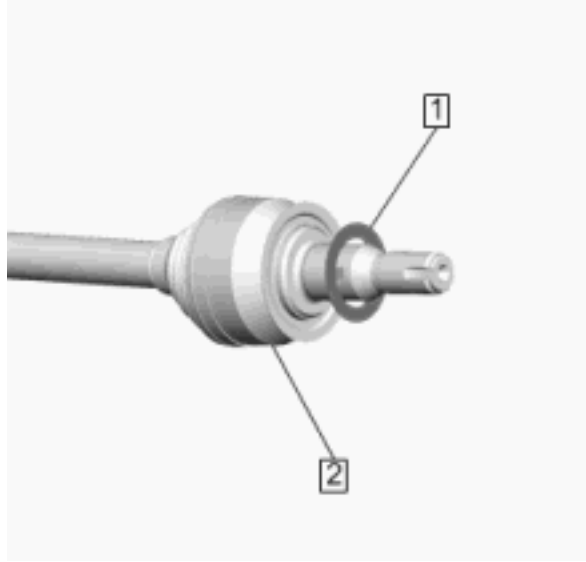


Fig. 39: Wheel Drive Shaft And Washer

Courtesy of GENERAL MOTORS COMPANY

1. Install NEW Front Wheel Drive Shaft Washer (1) @Front Wheel Drive Half Shaft (2).

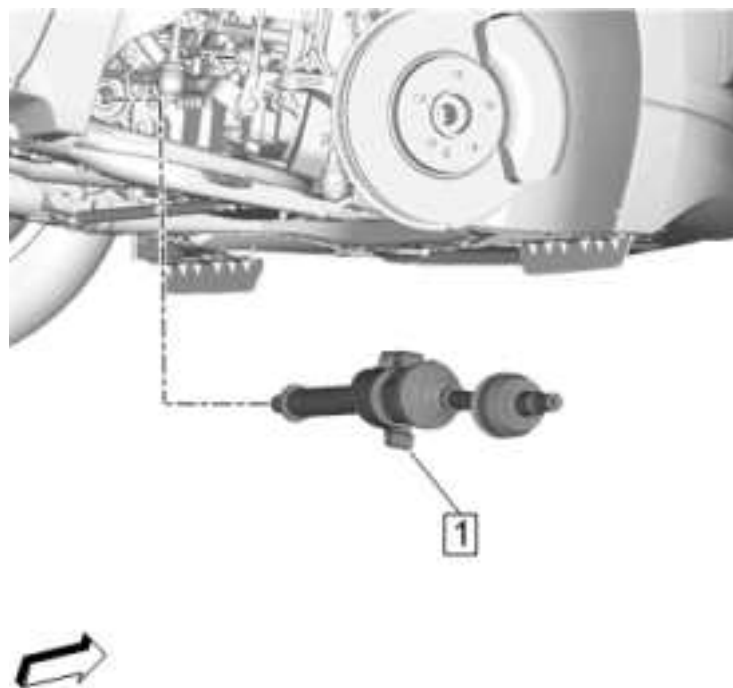


Fig. 40: Front Wheel Drive Half Shaft

Courtesy of GENERAL MOTORS COMPANY

NOTE: Ensure that the front wheel drive half shaft is fully seated in the transmission.

2. Install Front Wheel Drive Half Shaft (1) @Transmission.

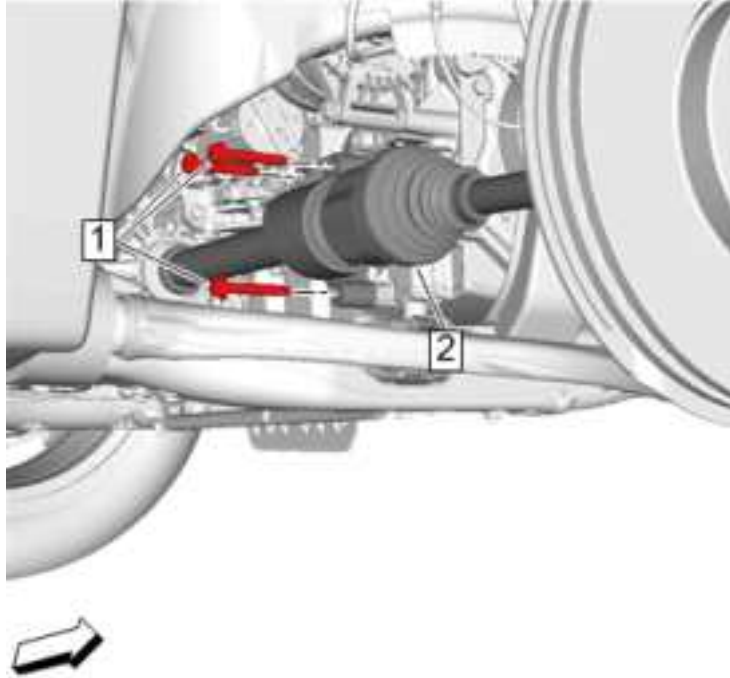


Fig. 41: Front Wheel Drive Intermediate Shaft Bracket Bolt
 Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

3. Install Front Wheel Drive Intermediate Shaft Bracket Bolt (1) @Front Wheel Drive Half Shaft (2) and tighten [3x] 58 N.m (43 lb ft).
4. Install Front Wheel Drive Half Shaft (2) @Front Wheel Bearing and Hub Assembly.



Fig. 42: Steering Linkage Outer Tie Rod
 Courtesy of GENERAL MOTORS COMPANY

5. Install Lower Control Arm (2) @Steering Knuckle. [Lower Control Arm Replacement \(Equinox\)](#) [Lower Control Arm Replacement \(Terrain\)](#).
6. Install Steering Linkage Outer Tie Rod (1) @Steering Knuckle - [Steering Linkage Outer Tie Rod Replacement](#)
7. Have an assistant apply the brakes.



Fig. 43: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

8. Install a NEW Wheel Drive Shaft Nut (1).

Tighten

- First Pass:150 N.m (111 lb ft)
- Second Pass:Loosen 45 degrees
- Final Pass:250 N.m (185 lb ft)

9. Install the right front tire and wheel assembly. [Tire and Wheel Removal and Installation](#)

10. Check the transmission fluid level. [Transmission Fluid Level and Condition Check](#)

11. Remove the drain pan.

REAR WHEEL DRIVE SHAFT REPLACEMENT - LEFT SIDE

Special Tools

- **J-2619** Slide Hammer
- **J-29794** Extension
- **J-33008** Puller

Equivalent regional tools:[Special Tools](#)

Removal Procedure

1. Remove the left rear tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
2. Have an assistant apply the brakes.

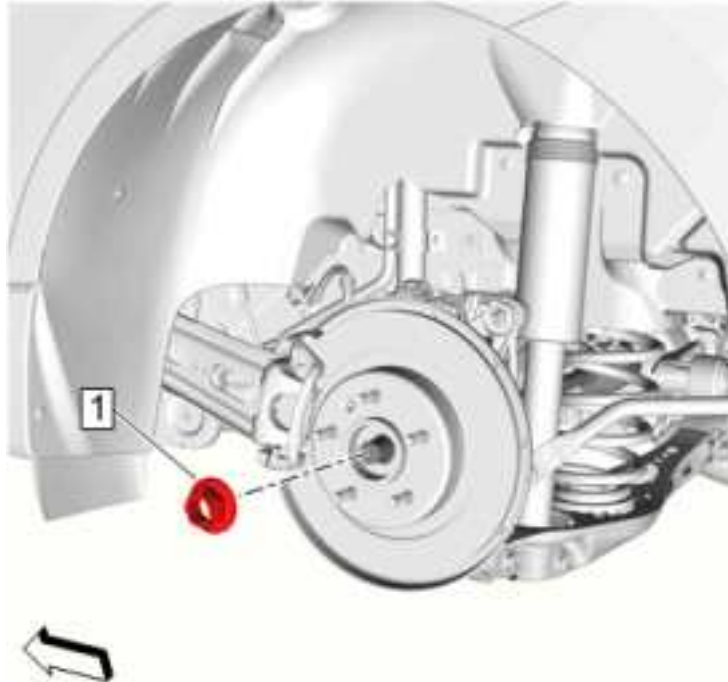


Fig. 44: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: DO NOT use air tools to remove the wheel drive shaft nut. Damage to the wheel drive shaft threads could occur. Use hand tools only.

3. Remove Wheel Drive Shaft Nut (1) and DISCARD
4. Remove -[Knuckle Replacement](#)

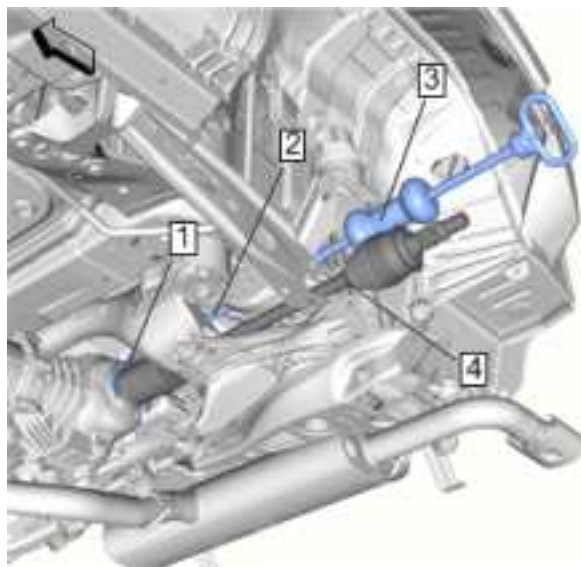


Fig. 45: Separating Wheel Drive Shaft From Differential Using Slide Hammer

Courtesy of GENERAL MOTORS COMPANY

NOTE: Place a drip pan below the differential to catch any residual oil.

5. Assemble J-33008 Puller (1), J-29794 Extension (2) and J-2619 Slide Hammer (3)
6. Separate the wheel drive shaft (1) from the differential using the assembled slide hammer tool.



Fig. 46: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

7. Remove Wheel Drive Shaft (1).



Fig. 47: Wheel Drive Shaft Retaining Ring And O-ring

Courtesy of GENERAL MOTORS COMPANY

8. Remove Retaining Ring (1) and DISCARD
9. Remove O-Ring (2) and DISCARD

Installation Procedure



Fig. 48: Wheel Drive Shaft Retaining Ring And O-ring
Courtesy of GENERAL MOTORS COMPANY

1. Install a NEW O-Ring (2).
2. Install a NEW Retaining Ring (1).



Fig. 49: Wheel Drive Shaft
Courtesy of GENERAL MOTORS COMPANY

3. Install Wheel Drive Shaft (1).
4. Install **Knuckle Replacement** .
5. Have an assistant apply the brakes.

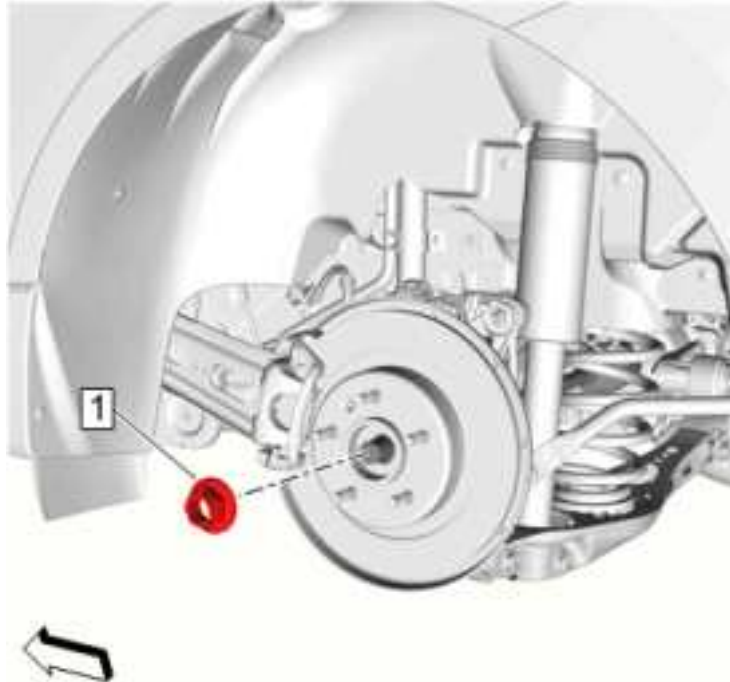


Fig. 50: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

6. Install the NEW wheel drive shaft nut.(1) and tighten

Tighten

- First Pass:150 N.m (111 lb ft)
- Second Pass:Loosen 45 degrees
- Final Pass:250 N.m (185 lb ft)

7. Install the left rear tire and wheel assembly. [Tire and Wheel Removal and Installation](#)

8. Check the fluid level. [Rear Axle Lubricant Level Inspection](#)

REAR WHEEL DRIVE SHAFT REPLACEMENT - RIGHT SIDE

Removal Procedure

1. Remove the right rear tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
2. Have an assistant apply the brakes.

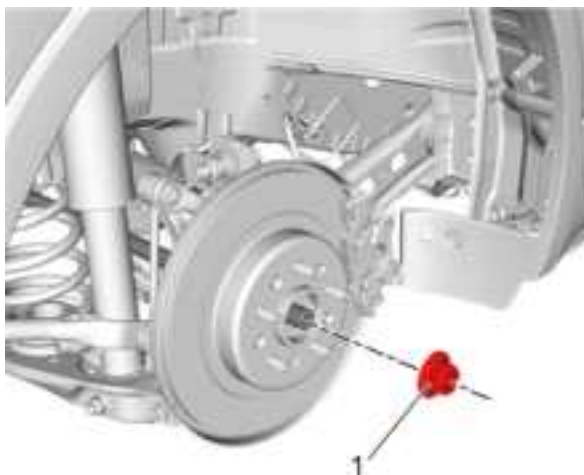


Fig. 51: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: DO NOT use air tools to remove the wheel drive shaft nut. Damage to the wheel drive shaft threads could occur. Use hand tools only.

3. Remove Wheel Drive Shaft Nut (1) and DISCARD
4. Remove Knuckle Replacement .

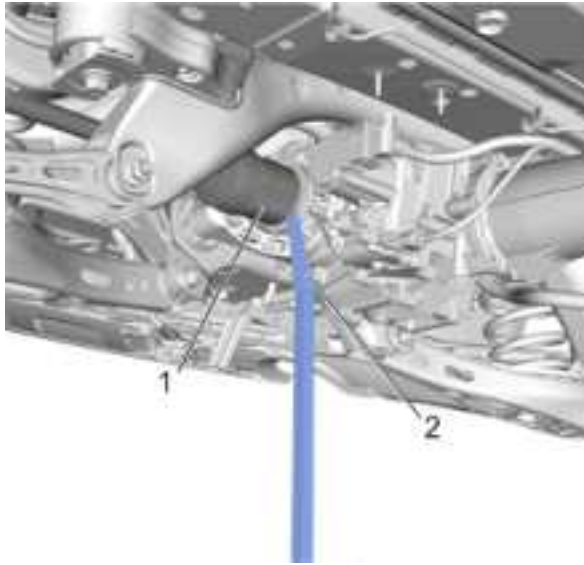


Fig. 52: Separating Wheel Drive Shaft From Differential

Courtesy of GENERAL MOTORS COMPANY

NOTE: Place a drip pan below the differential to catch any residual oil.

5. Using a suitable flat bladed tool (2) separate the wheel drive shaft (1) from the differential.



Fig. 53: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

6. Remove Wheel Drive Shaft (1)



Fig. 54: Wheel Drive Shaft Retaining Ring And O-ring
Courtesy of GENERAL MOTORS COMPANY

7. Remove Retaining Ring (1) and DISCARD
8. Remove O-Ring (2) and DISCARD

Installation Procedure



Fig. 55: Wheel Drive Shaft Retaining Ring And O-ring
Courtesy of GENERAL MOTORS COMPANY

1. Install a NEW O-Ring (2)
2. Install a NEW Retaining Ring (1).



Fig. 56: Wheel Drive Shaft

Courtesy of GENERAL MOTORS COMPANY

3. Install Wheel Drive Shaft (1)
4. Install [Knuckle Replacement](#)
5. Have an assistant apply the brakes.

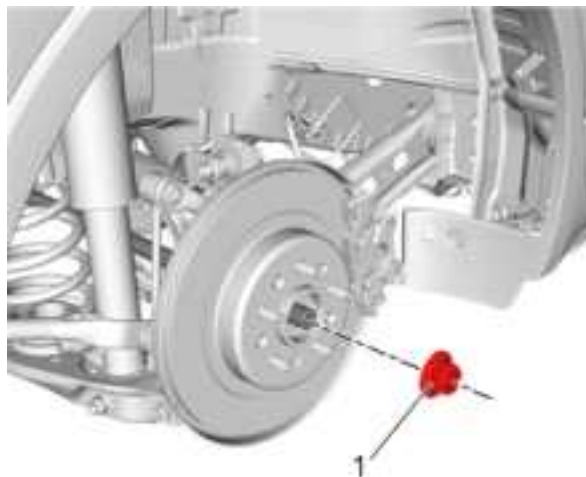


Fig. 57: Wheel Drive Shaft Nut

Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

6. Install the NEW wheel drive shaft nut. (1) and tighten

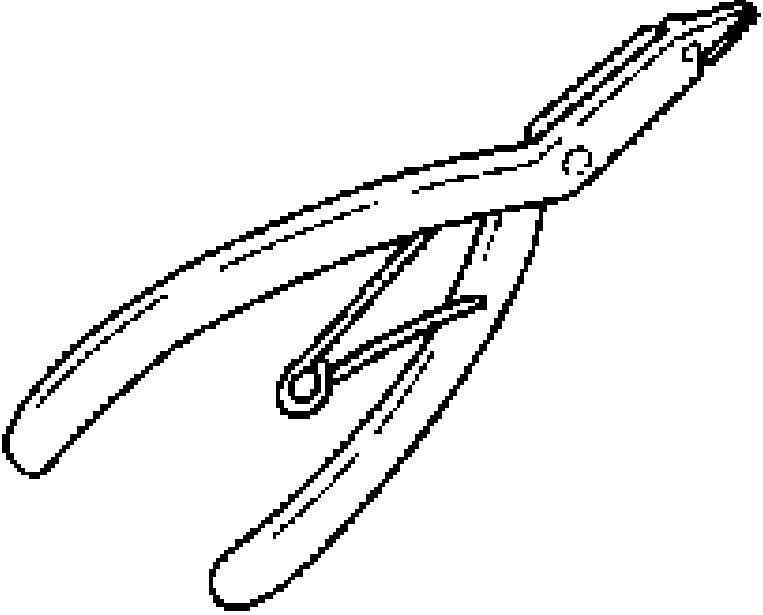
Tighten

- First Pass:150 N.m (111 lb ft)
 - Second Pass:Loosen 45 degrees
 - Final Pass:250 N.m (185 lb ft)
7. Install the right rear tire and wheel assembly. [Tire and Wheel Removal and Installation](#)
 8. Check the fluid level. [Rear Axle Lubricant Level Inspection](#)

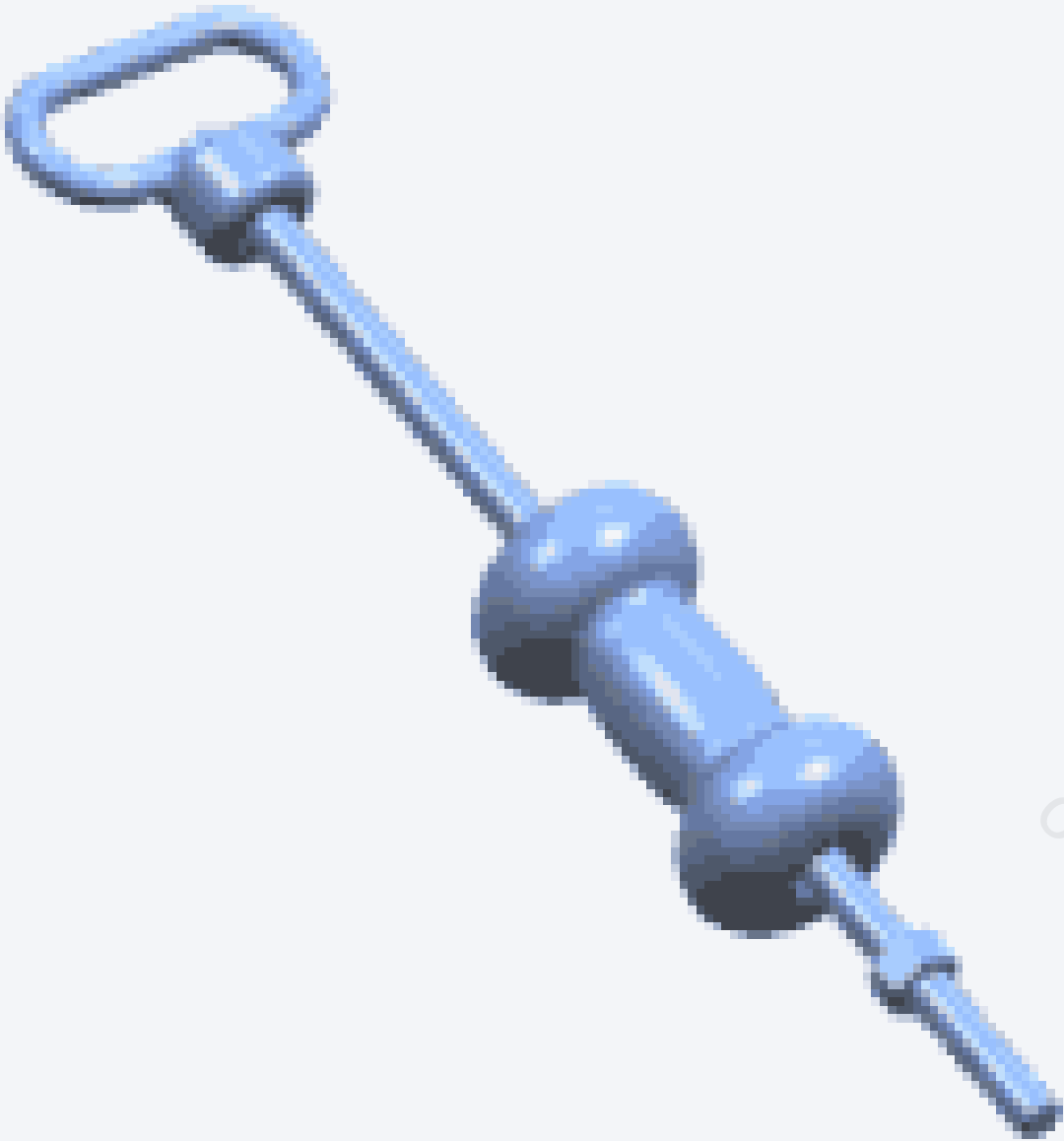
SPECIAL TOOLS AND EQUIPMENT

SPECIAL TOOLS



Illustration	Tool Number/ Description
	J-8059 Snap Ring Pliers

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Illustration	Tool Number/ Description
 A blue slide hammer tool. It features a ring handle at the top, followed by a long threaded rod. The rod has several large, rounded, knurled sections. At the bottom, the rod tapers into a thin, pointed end. A faint watermark 'cardiagn.com' is visible in the lower right corner of the illustration area.	J-2619 Slide Hammer

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Illustration	Tool Number/ Description
 A blue, cylindrical tool extension, likely made of metal, shown at an angle. It has a slightly tapered end and a smooth surface. The background is light gray with a faint watermark 'cardiagn.com'.	J-29794 Axle Shaft Remover Extension

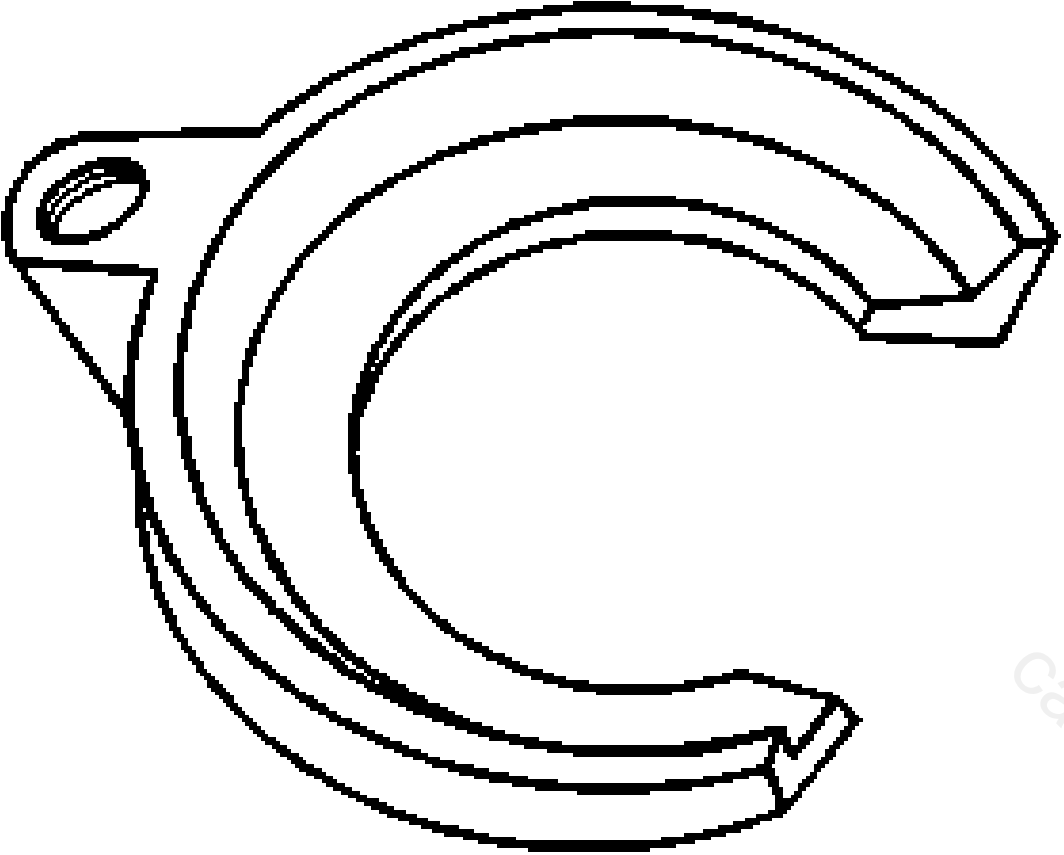
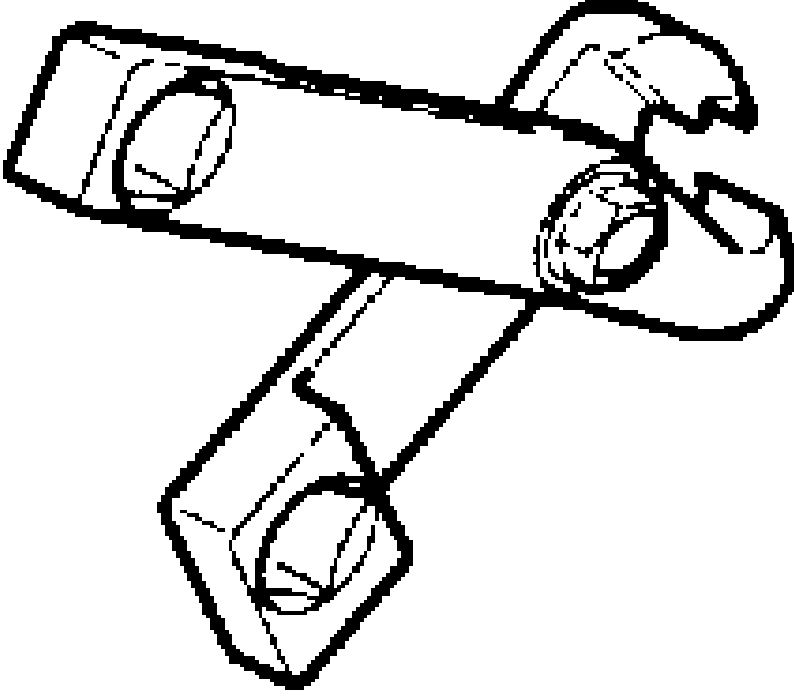
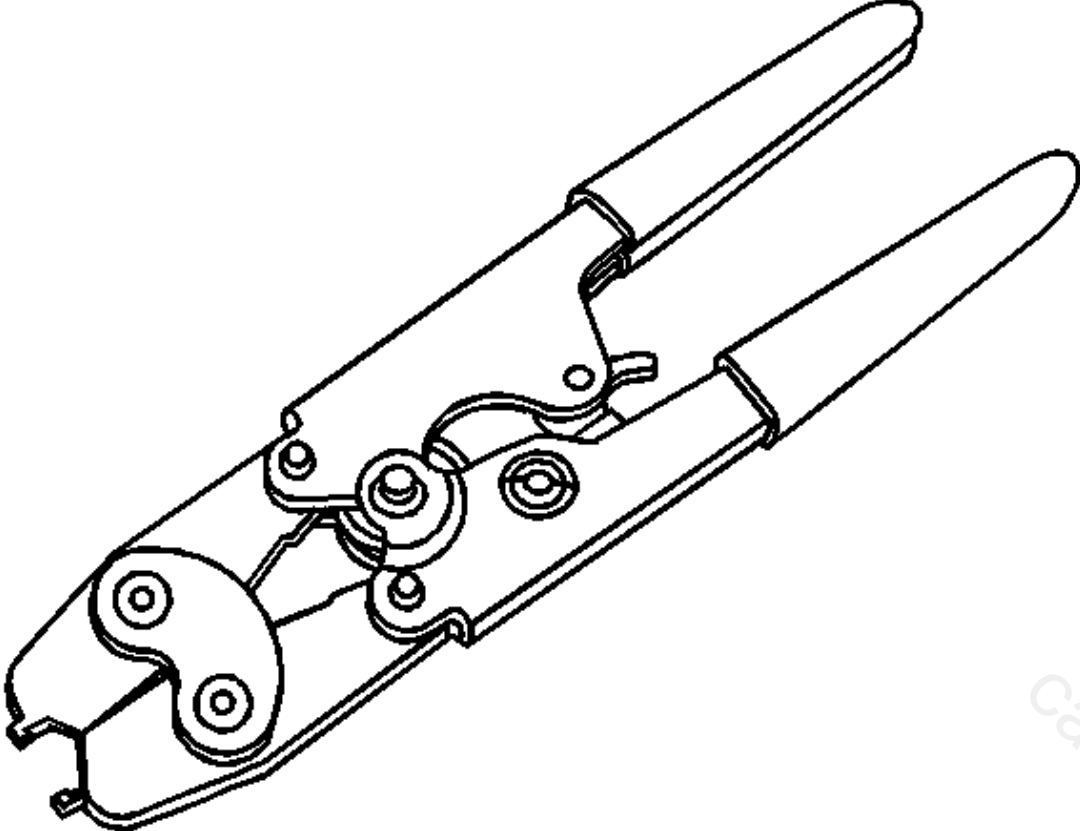
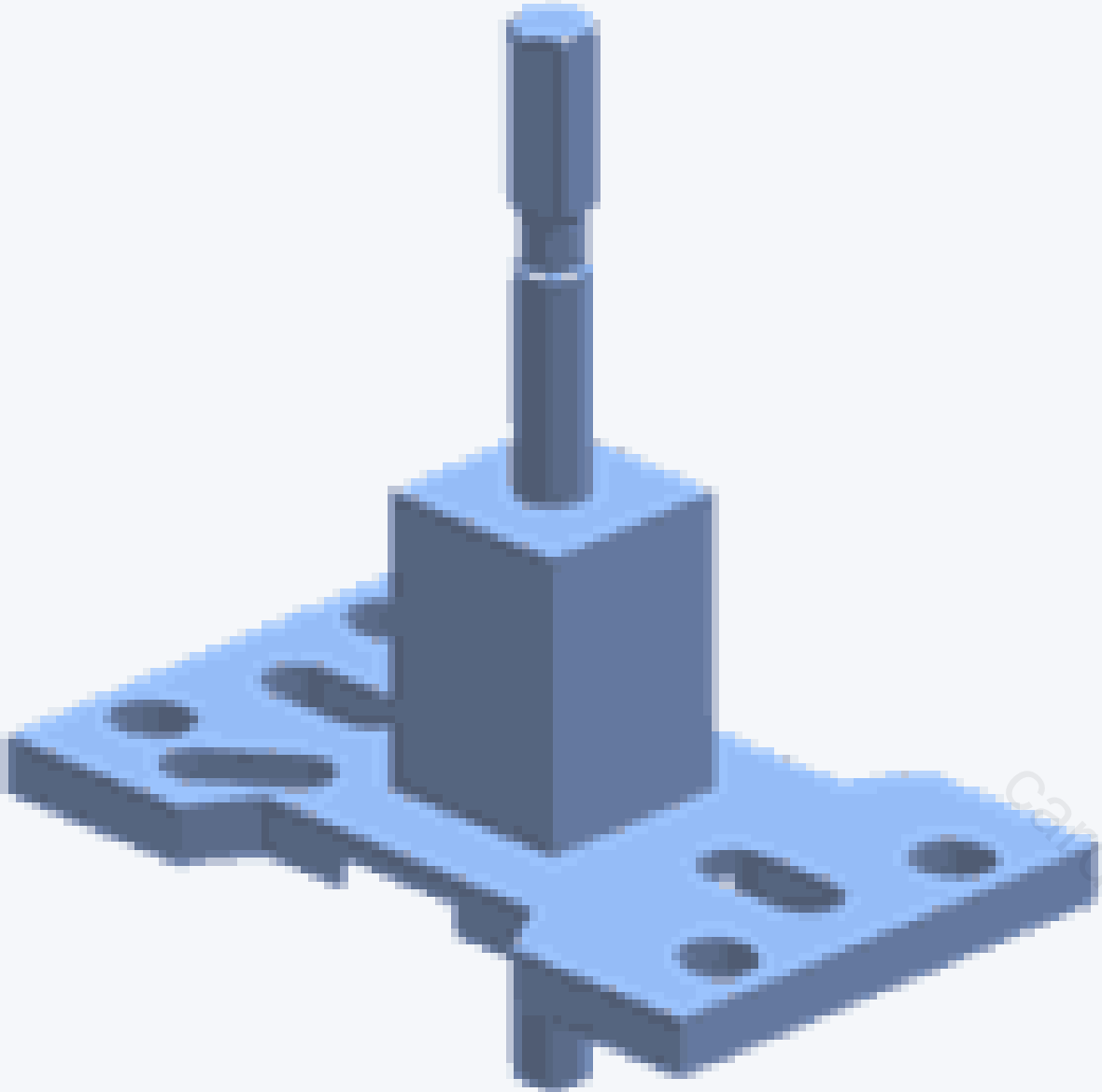
Illustration	Tool Number/ Description
	J-33008 Axle Shaft Puller cardiagn.com

Illustration	Tool Number/ Description
	DT-35910 J-35910 Drive Axle Seal Clamp Pliers

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Illustration	Tool Number/ Description
	CH-804 CH-48894 DT-50185 MKM-804 Wheel Drive Shaft Boot Clamp Pliers

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Illustration	Tool Number/ Description
	DT-45859 J-45859 Hub Spindle Remover