

Rear Suspension

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Description and Operation

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Rear Suspension Description and Operation

This vehicle has a semi-independent twist-beam rear suspension system consisting of the following components:

- An axle with integral trailing arms
- A V-shaped twisting cross beam
- Two coil springs
- Two standard shock absorbers

Axle Assembly

The axle assembly attaches to the underbody through a rubber bushing and bracket located at the front of each integral trailing arm. The brackets are bolted to the underbody side rails. The axle structure itself maintains the geometrical relationship of the wheels relative to the centerline of the body.

Rear camber and tow are not adjustable. Replace any damaged suspension components as necessary.

Coil Spring

The coil springs support the weight of the vehicle in the rear. Rubber insulators isolate the coil spring at the upper and lower spring seat.

Shock Absorber

The shock absorbers are connected to the rear axle and the vehicle underbody. The shock absorbers are non-adjustable and non-refillable. Service of the shocks requires replacement of the shock assembly.

Wheel Bearing/Hub Assembly

A single hub and bearing assembly is bolted to both ends of the rear axle assembly. The hub and bearing assembly is a sealed unit that eliminates the need for wheel bearing adjustment or periodic maintenance.

Although the rear suspension components are lubricated for life and require no routine lubrication, they should be inspected periodically for damage and wear.

Related Part Information

Part Name	Catalog Name	Part Code
Rear Suspension	SUSPENSION,RR	2989Y
Rear Suspension	SUSPENSION,RR	2990A
Rear Suspension	SUSPENSION,RR(W/BRK)	2992A
Rear Suspension	SUSPENSION,RR(W/BRK & DIFF CARR)	2992B
Rear Suspension	SUSPENSION,RR (W/ BRK) (RPR)	2992C
Rear Suspension	SUSPENSION,RR (W/ BRK & DIFF CARR) (RPR)	2992D

Repair Instructions

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Rear Wheel Bearing and Hub Replacement

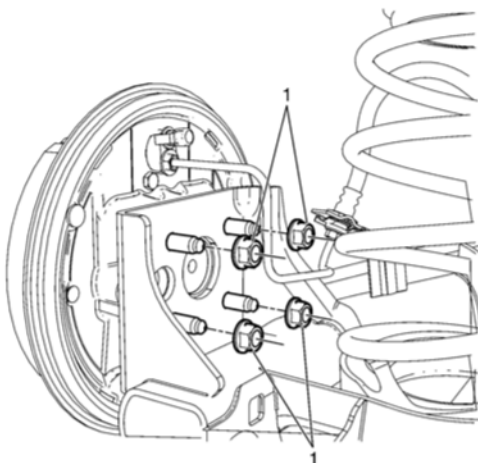
Special Tools

DT-50186 Wheel Hub Holding Tool

For equivalent regional tools, refer to [Special Tools](#).

Removal Procedure

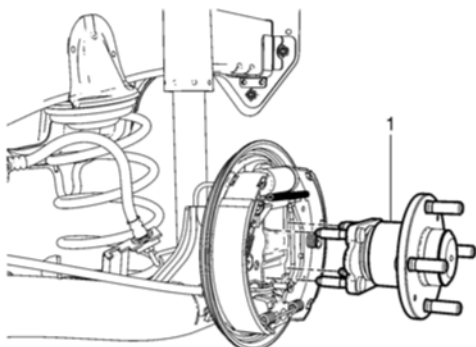
1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
3. Remove the brake drum. Refer to [Brake Drum Replacement](#).
4. Remove the rear wheel speed sensor, if equipped with ABS. Refer to [Rear Wheel Speed Sensor Replacement](#).



5.

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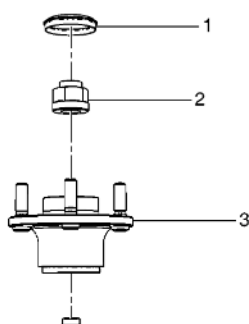
6. Remove the wheel bearing/hub and spindle assembly to rear axle retaining nuts (1).

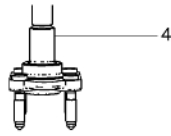


7.

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8. Remove the wheel bearing/hub and spindle assembly (1) from the rear axle assembly and the brake backing plate.



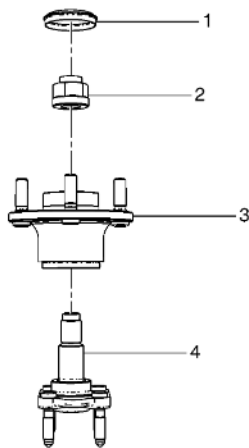


9.

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10. Install the wheel bearing/hub and spindle assembly to the vise.
11. Remove the wheel bearing cap (1).
12. Using the *DT-50186* holding tool , remove the wheel hub spindle nut (2).
13. Remove the wheel hub/bearing assembly (3) from the wheel hub spindle (4).
14. Remove the wheel hub spindle (4) from the vise.

Installation Procedure



1.

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2. Install the wheel hub spindle(4) to the vise.

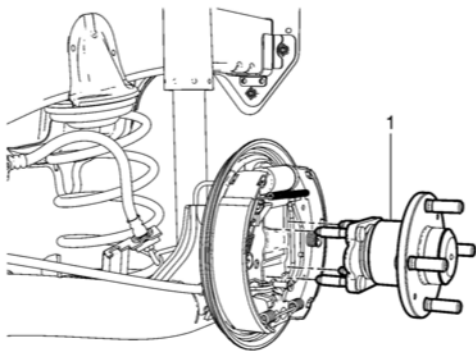
3. Install the wheel hub/bearing assembly(3) to the wheel hub spindle(4).

4. Caution:

Refer to [Fastener Caution](#).

5. Using the DT-50186 holding tool , install the wheel hub spindle nut(2) and tighten to 190N-m (140lb-ft).

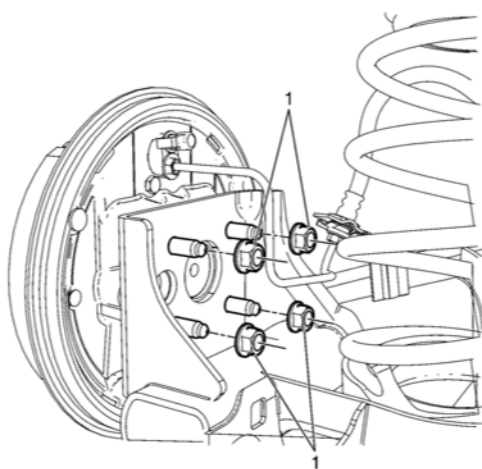
6. Install the wheel bearing cap(1) to the wheel hub/bearing and spindle assembly.



7.

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8. Install the wheel bearing/hub and spindle assembly(1) to the brake backing plate and the rear axle assembly.



9.

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10. Install the wheel bearing/hub and spindle assembly to rear axle retaining nuts(1). Tighten the nuts evenly, in a cross-pattern to 80N-m (59lb-ft).

11. Install the rear wheel speed sensor, if equipped with ABS. Refer to [Rear Wheel Speed Sensor Replacement](#).
12. Install the brake drum. Refer to [Brake Drum Replacement](#).
13. Install the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
14. Lower the vehicle.

Related Part Information

Part Name	Catalog Name	Part Code
Rear Wheel Bearing	BEARING KIT,RR WHL	0100C
Rear Wheel Bearing	BEARING,RR WHL	X0001
Rear Wheel Hub	HUB,RR WHL(W/WHL SPD SEN)	0645A
Rear Wheel Hub	HUB,RR WHL(W/BRG & WHL SPD SEN)	0646A
Rear Wheel Hub	HUB KIT,RR WHL	0649Y
Rear Wheel Hub	HUB,RR WHL	0650A
Rear Wheel Hub	HUB,RR WHL	0650B
Rear Wheel Hub	HUB,RR WHL	0650C
Rear Wheel Hub	HUB,RR WHL(W/ BRG)	0651A
Rear Wheel Hub	HUB,RR WHL (R/AXL FRT U)	0830A
Rear Wheel Hub	HUB,RR WHL (R/AXL FRT U) (RH PROC)	0830B
Rear Wheel Hub	HUB,RR WHL (R/AXL RR U)	0840A
Rear Wheel Hub	HUB,RR WHL (R/AXL RR U)(RH PROC)	0840B

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Rear Wheel Bearing Replacement

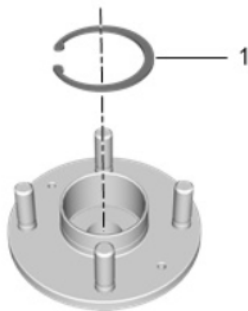
Special Tools

- CH-51725-10 Hub Installer Adapter

For equivalent regional tools, refer to [Special Tools](#)

Removal Procedure

1. [Rear Wheel Bearing and Hub Replacement](#) >> Remove



2. [Click here for full size](#)

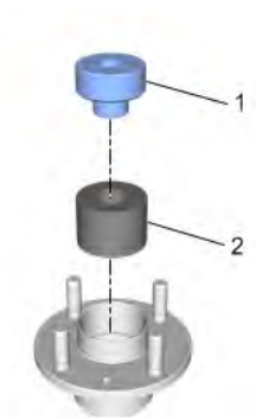
3. Rear Wheel Bearing Retaining Ring (1) @ Rear Wheel Hub Assembly >> Remove



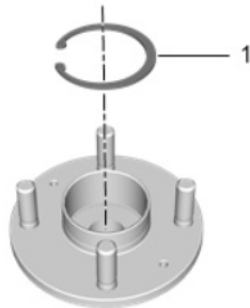
4. [Click here for full size](#)

5. Using a hydraulic press and the CH-51725-10 hub installer adapter (1), remove the rear wheel bearing (2) from the wheel hub assembly.

Installation Procedure



1. [Click here for full size](#)
2. Position the rear wheel bearing (2) to the rear wheel hub assembly.
3. Using a hydraulic press and the CH-51725-10 hub installer adapter (1), install the rear wheel bearing (2) to the wheel hub assembly.



4. [Click here for full size](#)
5. Rear Wheel Bearing Retaining Ring (1) @ Rear Wheel Hub Assembly >> Install
6. [Rear Wheel Bearing and Hub Replacement](#) >> Install

Related Part Information

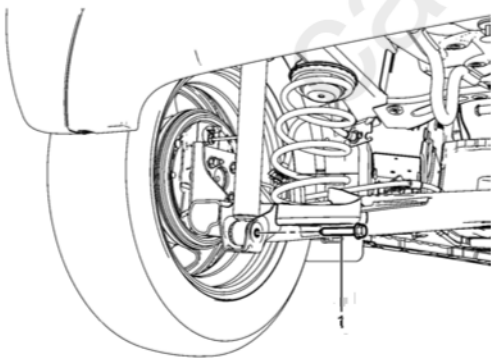
Part Name	Catalog Name	Part Code
Rear Wheel Bearing	BEARING KIT,RR WHL 0100C	
Rear Wheel Bearing	BEARING,RR WHL	X0001

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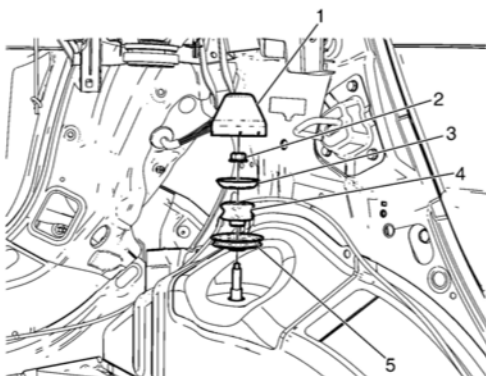
Shock Absorber Replacement (Hatchback)

Removal Procedure

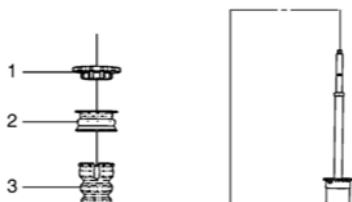
1. Apply the park brake completely.
2. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
3. Support the rear tire with a hydraulic jack stand.

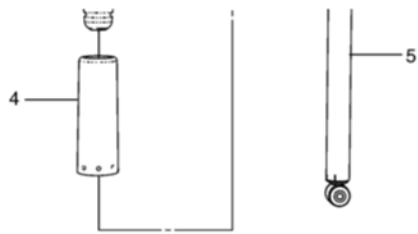


4. [Click here for full size](#)
5. Remove the shock absorber strut to rear axle retaining bolt(1).
6. Remove the jack stand.
7. Lower the vehicle.
8. Remove the rear wheelhouse trim finish panel. Refer to [Rear Wheelhouse Trim Finish Panel Replacement](#).



9. [Click here for full size](#)
10. Remove the strut upper cap(1) from the shock absorber strut.
11. Remove the strut nut(2) from the shock absorber strut.
12. Remove the upper mounting plate(3), the upper mount assembly(4) and the washer(5) from the shock absorber strut.
13. Remove the shock absorber strut assembly from the vehicle.



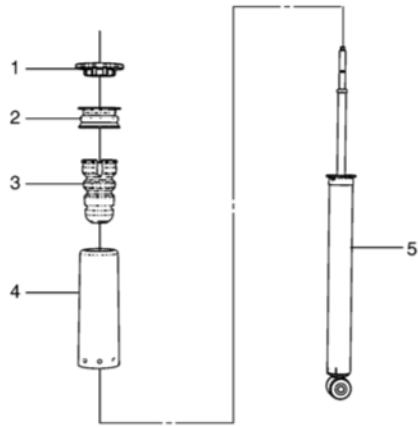


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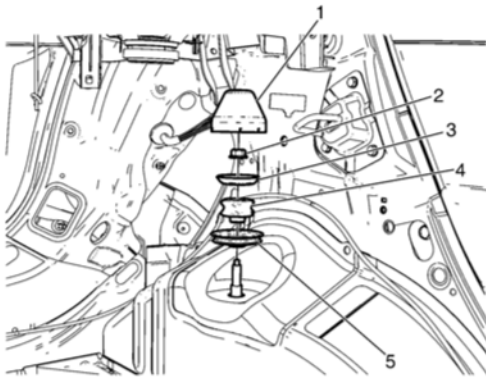
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15. Remove the lower mount assembly(1), the washer(2), the jounce bumper(3), and the dust shield(4) from the strut(5).

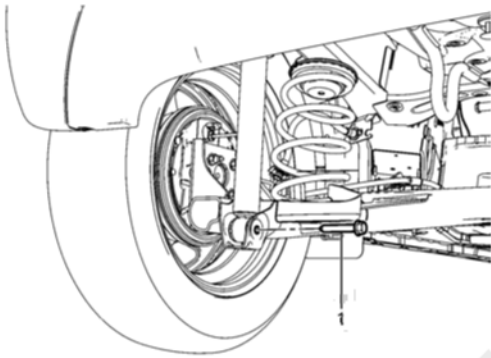
Installation Procedure



1. [Click here for full size](#)
2. Install the lower mount assembly (1), the washer (2), the jounce bumper (3), and the dust shield (4) to the strut (5).
3. Position the shock absorber strut assembly to the vehicle.



4. [Click here for full size](#)
5. Install the upper mounting plate(3), the upper mount assembly(4) and the washer(5) to the shock absorber strut.
6. Caution:
Refer to [Fastener Caution](#).
7. Install the strut upper mounting nut(2) to the shock absorber strut and tighten to 21â€”N-m(15â€”lb-ft).
8. Install the strut upper cap(1) to the shock absorber strut.
9. Install the rear wheelhouse trim finish panel. Refer to [Rear Wheelhouse Trim Finish Panel Replacement](#).
10. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
11. Support the rear tire with the hydraulic jack stand.



12.

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13. Install the shock absorber strut to rear axle retaining bolt (1) and tighten it by hand

13. Install the shock absorber strut to rear axle retaining bolt (1) and tighten it by hand.
14. Raise the rear axle to the rear suspension height specification by measuring the vertical distance between the center of wheel and bottom edge of the wheelhouse. Refer to [Trim Height Specifications](#).
15. Tighten the shock absorber strut to rear axle retaining bolt (1) and tighten to 95 N-m (70 lb-ft).
16. Remove the hydraulic jack stand.
17. Lower the vehicle.

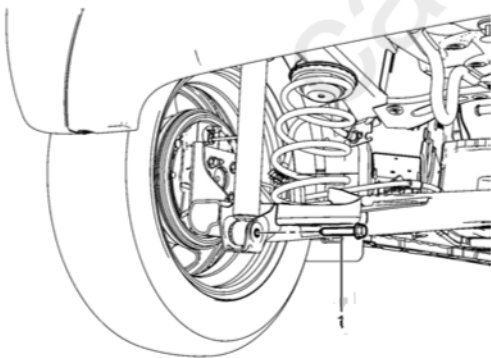
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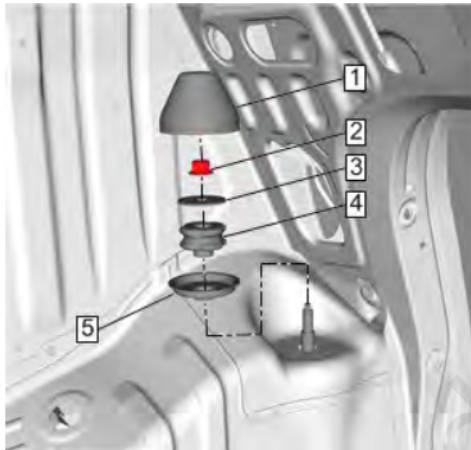
Shock Absorber Replacement (Notchback)

Removal Procedure

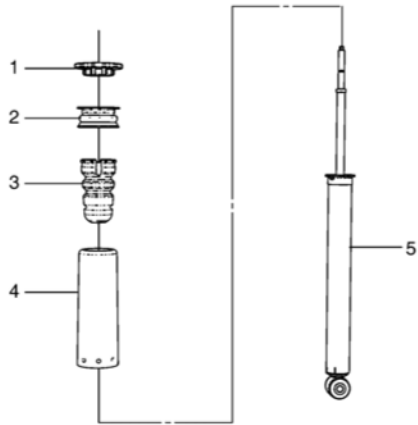
1. Apply the park brake completely.
2. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
3. Support the rear tire with a hydraulic jack stand.



4. [Click here for full size](#)
5. Remove the shock absorber strut to rear axle retaining bolt(1).
6. Remove the jack stand.
7. Lower the vehicle.
8. Remove the rear wheelhouse trim finish panel. Refer to [Rear Compartment Side Trim Panel Replacement](#).



9. [Click here for full size](#)
10. Remove the strut upper cap(1) from the shock absorber strut.
11. Remove the strut nut(2) from the shock absorber strut.
12. Remove the upper mounting plate(3), the upper mount assembly(4) and the washer(5) from the shock absorber strut.
13. Remove the shock absorber strut assembly from the vehicle.

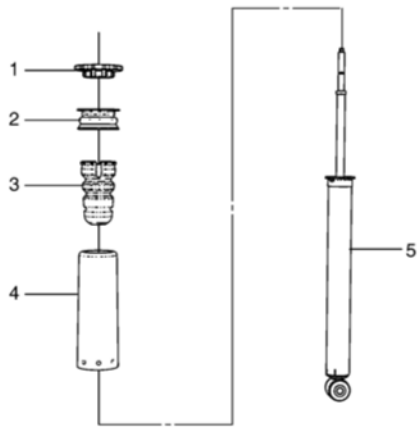


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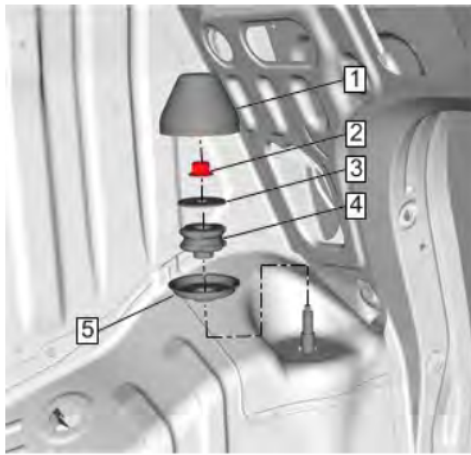
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15. Remove the lower mount assembly (1), the washer (2), the jounce bumper (3), and the dust shield (4) from the strut (5).

Installation Procedure



1. [Click here for full size](#)
2. Install the lower mount assembly(1), the washer(2), the jounce bumper(3), and the dust shield(4) to the strut(5).
3. Position the shock absorber strut assembly to the vehicle.



4.

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5. Install the upper mounting plate(3), the upper mount assembly(4) and the washer(5) to the shock absorber strut.

6. Caution:

Refer to [Fastener Caution](#).

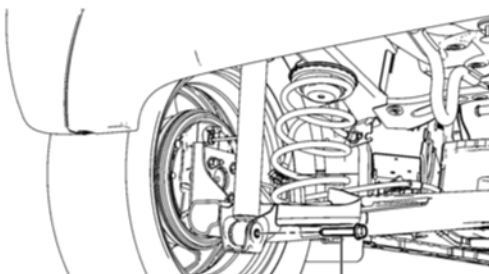
7. Install the strut upper mounting nut(2) to the shock absorber strut and tighten to 21â€”N-m (15â€”lb-ft).

8. Install the strut upper cap(1) to the shock absorber strut.

9. Install the rear wheelhouse trim finish panel. Refer to [Rear Compartment Side Trim Panel Replacement](#).

10. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).

11. Support the rear tire with the hydraulic jack stand.





12. [Click here for full size](#)
13. Install the shock absorber strut to rear axle retaining bolt(1) and tighten it by hand.
14. Raise the rear axle to the rear suspension height specification by measuring the vertical distance between the center of wheel and bottom edge of the wheelhouse. Refer to [Trim Height Specifications](#).
15. Tighten the shock absorber strut to rear axle retaining bolt(1) and tighten to 95â€%N-mâ€% (70â€%lb-ft).
16. Remove the hydraulic jack stand.
17. Lower the vehicle.

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Rear Spring Replacement

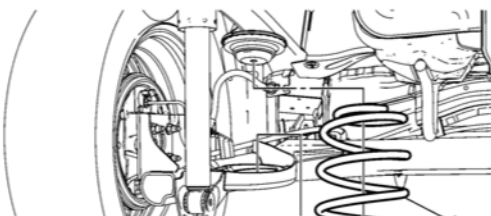
Removal Procedure

1. Apply the park brake completely.
2. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
3. Support the tire to be replaced with a hydraulic jack stand.
4. Remove the shock absorber strut to rear axle retaining bolt. Refer to [Shock Absorber Replacement](#).
5. Lower the hydraulic jack stand.
6. Note:

The opposite strut to rear axle retaining bolt must be removed so that the rear axle can turn down easily.

KEEP supporting the tire with the hydraulic jack stand to prevent the rear brake hose and rear wheel speed sensor harness from being damaged.

7. Support the opposite tire with the hydraulic jack stand.
8. Remove the opposite strut to rear axle retaining bolt. Refer to [Shock Absorber Replacement](#).
9. Using the hydraulic jack stand, slowly lower the rear axle until the tension is not applied to the rear brake hose and rear wheel speed sensor harness.



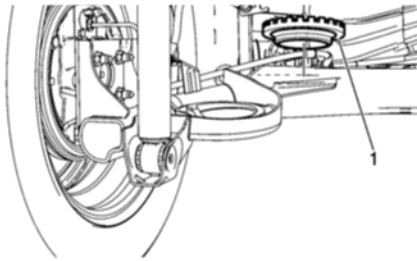


10.

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11. With the hydraulic jack stand supported, remove the spring (1) from the vehicle.

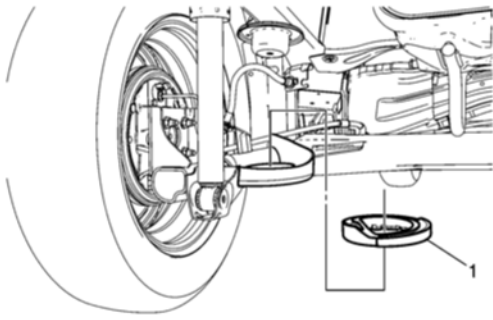




12.

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13. Remove the spring upper insulator(1) from the upper spring seat on the underbody rear side rail.

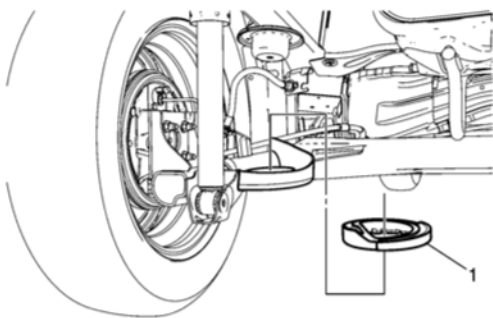


14.

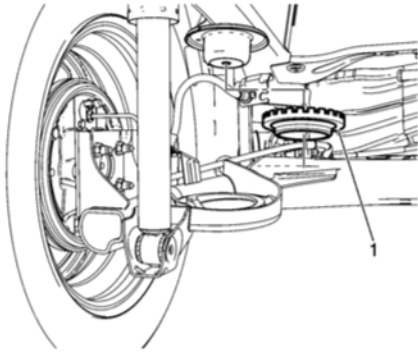
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15. Remove the spring lower insulator (1) from the lower spring seat on the rear axle.

Installation Procedure



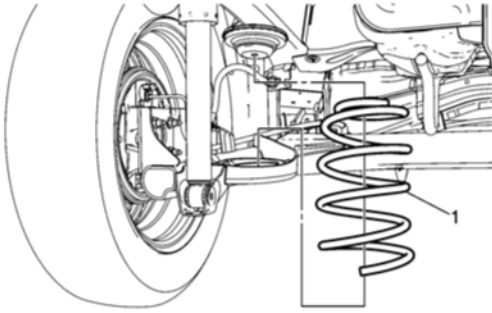
1. [Click here for full size](#)
2. Install the spring lower insulator (1) to the lower spring seat on the rear axle.



3.

[Click here for full size](#)

4. Install the spring upper insulator(1) to the upper spring seat on the underbody rear side rail.



5. [Click here for full size](#)
6. Install the spring (1) to the vehicle, making sure the lower coil is seated into the lower spring seat.
7. Raise the hydraulic jack stand in order to compress the rear spring.
8. Install the shock absorber strut to rear axle retaining bolt. Refer to [Shock Absorber Replacement](#).
9. Raise the hydraulic jack stand in order to compress the opposite rear spring.
10. Install the opposite shock absorber strut to rear axle retaining bolt. Refer to [Shock Absorber Replacement](#).
11. Remove the hydraulic jack stand.

12. Lower the vehicle.

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Rear Axle Replacement

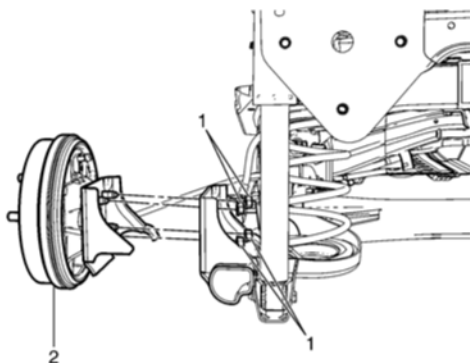
Special Tools

EN-50187 Rear Axle Supporter

For equivalent regional tools, refer to [Special Tools](#).

Removal Procedure

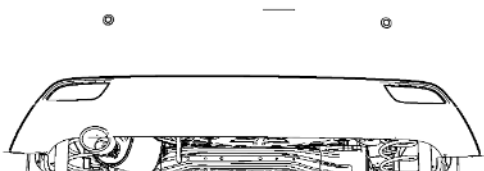
1. Release the park brake lever boot from the floor console and loosen the adjusting nut enough to completely relieve tension on the parking brake cable.
2. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
3. Remove the rear tire and wheel assemblies. Refer to [Tire and Wheel Removal and Installation](#).
4. Disconnect the parking brake cables from the equalizer and remove three parking brake cable clamps for both of the cables. Refer to [Parking Brake Cable Replacement](#).
5. Remove both of the rear wheel speed sensors, if equipped with ABS. Refer to [Rear Wheel Speed Sensor Replacement](#).
6. Disconnect the rear wheel cylinder pipes from the rear brake hose. Refer to [Rear Brake Hose Replacement](#).

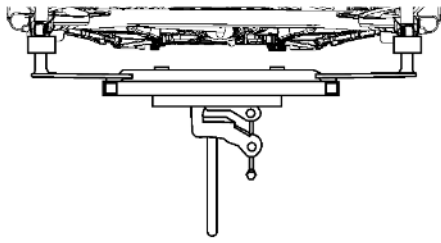


7.

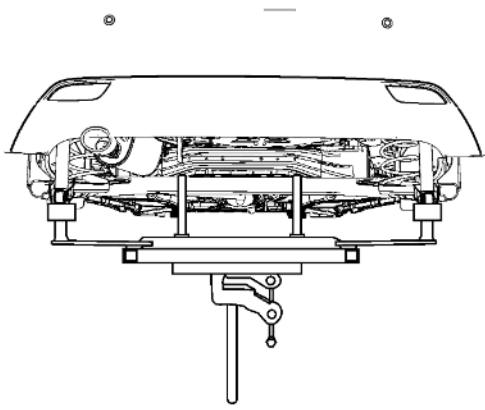
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8. Remove the wheel bearing/hub and spindle assembly to rear axle retaining nutsâ€”(1) from both sides.
9. Remove the wheel bearing/hubs, the brakes and backing plates as an assemblyâ€”(2) from the rear axle.

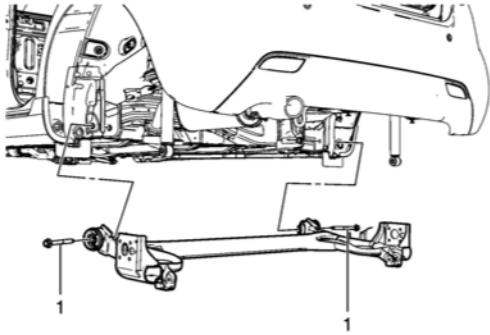




10. [Click here for full size](#)
11. Install the *DT-50187* supporter to a hydraulic jack stand and support the rear axle with the two rear adapters of the *DT-50187* supporter.
12. Remove both of the shock absorber strut to rear axle retaining bolts from the rear axle. Refer to [Shock Absorber Replacement](#).
13. Lower the hydraulic jack stand and remove the rear springs from the both sides.



14. [Click here for full size](#)
15. Position the hydraulic jack stand with the *DT-50187* supporter to the rear axle and support it with all adapters of the *DT-50187* supporter.



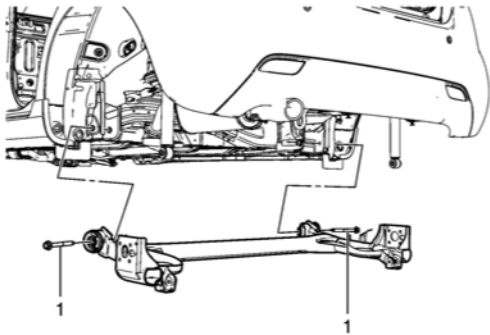
16.

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17. Remove the rear axle to body retaining bolts (1).
18. Slowly lower the hydraulic jack stand to remove the rear axle from the vehicle.
19. Remove the rear coil spring lower insulators from the axle.
20. Remove the rear axle from the hydraulic jack stand with the *DT-50187* supporter.

Installation Procedure

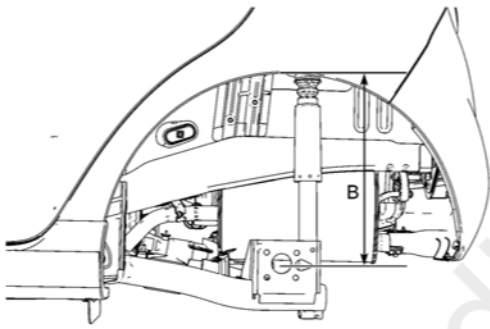
1. Place the rear axle on the hydraulic jack stand with *DT-50187* supporter.
2. Install the rear coil spring lower insulators to the rear axle.



3.

[Click here for full size](#)

4. Using the hydraulic jack stand, raise the rear axle to the correct position.
5. Hand tighten all rear axle to body retaining bolts(1).



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7. Note:

The rear axle to body retaining bolts must be tightened with the axle at the correct suspension height.

8. Using the two rear adapters of the *DT-50187* supporter and the hydraulic jack stand, raise the rear axle to the proper suspension height specification (B: 357.2mm, 14.06in) by measuring the vertical distance between the center of wheel and bottom edge of the wheelhouse.

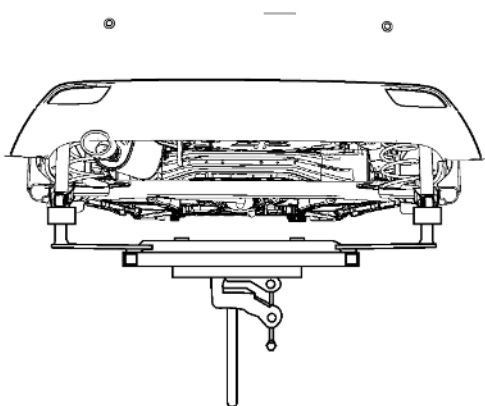
9. Caution:

Refer to [Fastener Caution](#).

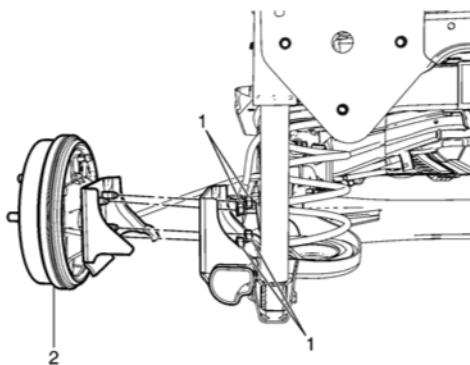
10. Tighten completely the axle to body retaining bolts to 165N-m (122lb-ft).

11. Lower the hydraulic jack stand.

12. Install the rear springs.



13. [Click here for full size](#)
14. Support the rear axle with the two rear adapters of the *DT-50187* supporter, and install the shock absorber strut to rear axle retaining bolts to the rear axle. Refer to [Shock Absorber Replacement](#).



15. [Click here for full size](#)
16. Lower the hydraulic jack stand and remove the *DT-50187* supporter.
17. Install the wheel bearing/hubs, the brakes and backing plates as an assembly to the rear axle.
18. Install the wheel bearing/hub and spindle assembly to rear axle retaining nuts(1) to both sides.
19. Install the rear wheel cylinder pipes to the rear brake hose. Refer to [Rear Brake Hose Replacement](#).
20. Install both of the rear wheel speed sensors, if equipped with ABS. Refer to [Rear Wheel Speed Sensor Replacement](#).
21. Connect the parking brake cables to the equalizer and install three parking brake cable clamps for both of the cables. Refer to [Parking Brake Cable Replacement](#).
22. Adjust the park brake cable tension. Refer to [Parking Brake Adjustment](#).
23. Install park brake lever boot.
24. Bleed the hydraulic brake system. Refer to [Hydraulic Brake System Bleeding](#).
25. Install the rear tire and wheel assemblies. Refer to [Tire and Wheel Removal and Installation](#).
26. Verify the rear wheel alignment. Refer to [Wheel Alignment Specifications](#).
27. Lower the vehicle.

Related Part Information

Part Name	Catalog Name	Part Code
Rear Axle	AXLE,RR(COMPONENTS)	0010X
Rear Axle	AXLE,RR	0025A
Rear Axle	AXLE KIT,RR	0048Z
Rear Axle	AXLE,RR	0049Z
Rear Axle	AXLE,RR	0050A
Rear Axle	AXLE,RR (FRT U)	0051A
Rear Axle	AXLE,RR (RR U)	0052A
Rear Axle	AXLE,RR	0055A
Rear Axle	AXLE,RR(2.14 RATIO)	0100A
Rear Axle	AXLE,RR(2.28 RATIO)	0150A
Rear Axle	AXLE,RR(2.29 RATIO)	0200A

Part Name	Catalog Name	Part Code
Rear Axle	AXLE,RR(2.39 RATIO)	0225A
Rear Axle	AXLE,RR(2.41 RATIO)	0250A
Rear Axle	AXLE,RR(2.56 RATIO)	0300A
Rear Axle	AXLE,RR(2.73 RATIO)	0350A
Rear Axle	AXLE,RR(2.76 RATIO)	0400A
Rear Axle	AXLE,RR(2.77 RATIO)	0401A
Rear Axle	AXLE,RR(2.92 RATIO)	0449A
Rear Axle	AXLE,RR(2.93 RATIO)	0450A
Rear Axle	AXLE,RR(3.07 RATIO)	0500A
Rear Axle	AXLE,RR(3.08 RATIO)	0550A
Rear Axle	AXLE,RR(3.15 RATIO)	0575A
Rear Axle	AXLE,RR(3.20 RATIO)	0599A
Rear Axle	AXLE,RR(3.21 RATIO)	0600A
Rear Axle	AXLE,RR(3.23 RATIO)	0650A
Rear Axle	AXLE,RR(3.27 RATIO)	0680A
Rear Axle	AXLE,RR(3.31 RATIO)	0700A
Rear Axle	AXLE,RR(3.31/4.53 RATIO)	0705A
Rear Axle	AXLE,RR(3.36 RATIO)	0725A
Rear Axle	AXLE,RR(3.38 RATIO)	0740A
Rear Axle	AXLE,RR(3.40 RATIO)	0750A
Rear Axle	AXLE,RR(3.42 RATIO)	0800A
Rear Axle	AXLE,RR(3.45 RATIO)	0810A
Rear Axle	AXLE,RR (3.46 RATIO)	0811A
Rear Axle	AXLE,RR(3.54 RATIO)	0850A
Rear Axle	AXLE,RR(3.55 RATIO)	0851A
Rear Axle	AXLE,RR(3.55/4.83 RATIO)	0855G
Rear Axle	AXLE,RR(3.58 RATIO)	0859A
Rear Axle	AXLE,RR(3.62 RATIO)	0875A
Rear Axle	AXLE,RR(3.70 RATIO)	0900A
Rear Axle	AXLE,RR (3.70/5.04 RATIO)	0924A
Rear Axle	AXLE,RR(3.70/5.05 RATIO)	0925A
Rear Axle	AXLE,RR(3.70/5.14 RATIO)	0926A
Rear Axle	AXLE,RR(3.73 RATIO)	0950A
Rear Axle	AXLE,RR(3.75 RATIO)	1000A
Rear Axle	AXLE,RR(3.78 RATIO)	1010A
Rear Axle	AXLE,RR(3.89 RATIO)	1025A
Rear Axle	AXLE,RR(3.90 RATIO)	1027A
Rear Axle	AXLE,RR(3.90/5.31 RATIO)	1028G
Rear Axle	AXLE,RR(3.90/5.32 RATIO)	1028H
Rear Axle	AXLE,RR(3.91 RATIO)	1029A
Rear Axle	AXLE,RR(3.92 RATIO)	1030A
Rear Axle	AXLE,RR(4.09 RATIO)	1050A
Rear Axle	AXLE,RR(4.10 RATIO)	1100A
Rear Axle	AXLE,RR(4.11 RATIO)	1150A
Rear Axle	AXLE,RR (4.11/5.60 RATIO)	1159A
Rear Axle	AXLE,RR(4.11/5.61 RATIO)	1160A
Rear Axle	AXLE,RR(4.27 RATIO)	1167A
Rear Axle	AXLE,RR(4.30 RATIO)	1170A
Rear Axle	AXLE,RR(4.33 RATIO)	1175A
Rear Axle	AXLE,RR(4.33/5.90 RATIO)	1177Z
Rear Axle	AXLE,RR(4.33/5.91 RATIO)	1178A
Rear Axle	AXLE,RR(4.38 RATIO)	1180A
Rear Axle	AXLE,RR(4.44 RATIO)	1187A

Part Name	Catalog Name	Part Code
Rear Axle	AXLE,RR(4.45 RATIO)	1190A
Rear Axle	AXLE,RR(4.55 RATIO)	1198A
Rear Axle	AXLE,RR(4.56 RATIO)	1200A
Rear Axle	AXLE,RR(4.56/6.20 RATIO)	1202Z
Rear Axle	AXLE,RR(4.56/6.21 RATIO)	1203A
Rear Axle	AXLE,RR(4.56/6.34 RATIO)	1203H
Rear Axle	AXLE,RR(4.62 RATIO)	1205A
Rear Axle	AXLE,RR(4.63 RATIO)	1210A
Rear Axle	AXLE,RR(4.63/6.31 RATIO)	1211A
Rear Axle	AXLE,RR(4.71 RATIO)	1225A
Rear Axle	AXLE,RR(4.77 RATIO)	1228A
Rear Axle	AXLE,RR(4.78 RATIO)	1230A
Rear Axle	AXLE,RR(4.83 RATIO)	1239A
Rear Axle	AXLE,RR(4.86 RATIO)	1245A
Rear Axle	AXLE,RR(4.86/6.63 RATIO)	1245D
Rear Axle	AXLE,RR(4.87 RATIO)	1246A
Rear Axle	AXLE,RR(4.88 RATIO)	1250A
Rear Axle	AXLE,RR(4.88/6.64 RATIO)	1254Z
Rear Axle	AXLE,RR(4.88/6.65 RATIO)	1255A
Rear Axle	AXLE,RR(4.88/6.78 RATIO)	1257A
Rear Axle	AXLE,RR(4.89 RATIO)	1260A
Rear Axle	AXLE,RR(5.04 RATIO)	1280A
Rear Axle	AXLE,RR(5.10 RATIO)	1290A
Rear Axle	AXLE,RR(5.13 RATIO)	1300A
Rear Axle	AXLE,RR(5.14 RATIO)	1305A
Rear Axle	AXLE,RR(5.14/7.16 RATIO)	1306A
Rear Axle	AXLE,RR(5.22 RATIO)	1315A
Rear Axle	AXLE,RR(5.25 RATIO)	1317A
Rear Axle	AXLE,RR(5.28 RATIO)	1320A
Rear Axle	AXLE,RR(5.29 RATIO)	1325A
Rear Axle	AXLE,RR(5.29/7.21 RATIO)	1330A
Rear Axle	AXLE,RR(5.29/7.35 RATIO)	1330Z
Rear Axle	AXLE,RR(5.29/7.36 RATIO)	1331A
Rear Axle	AXLE,RR(5.38 RATIO)	1340A
Rear Axle	AXLE,RR(5.43 RATIO)	1350A
Rear Axle	AXLE,RR(5.43/7.39 RATIO)	1351A
Rear Axle	AXLE,RR(5.57 RATIO)	1358A
Rear Axle	AXLE,RR(5.57/7.60 RATIO)	1360D
Rear Axle	AXLE,RR(5.57/7.75 RATIO)	1363A
Rear Axle	AXLE,RR(5.61 RATIO)	1370V
Rear Axle	AXLE,RR(5.63 RATIO)	1372A
Rear Axle	AXLE,RR(5.83 RATIO)	1375A
Rear Axle	AXLE,RR(5.83/7.95 RATIO)	1376A
Rear Axle	AXLE,RR(5.86 RATIO)	1378A
Rear Axle	AXLE,RR(5.86/8.15 RATIO)	1378E
Rear Axle	AXLE,RR(5.88 RATIO)	1383A
Rear Axle	AXLE,RR(5.89 RATIO)	1385A
Rear Axle	AXLE,RR(5.91 RATIO)	1385E
Rear Axle	AXLE,RR(6.14 RATIO)	1385G
Rear Axle	AXLE,RR(6.14/8.41 RATIO)	1385M
Rear Axle	AXLE,RR(6.14/8.54 RATIO)	1385N
Rear Axle	AXLE,RR(6.14/8.38 RATIO)	1385P
Rear Axle	AXLE,RR(6.14/8.55 RATIO)	1385Q

Part Name	Catalog Name	Part Code
Rear Axle	AXLE,RR(6.17 RATIO)	1400A
Rear Axle	AXLE,RR(6.17/8.40 RATIO)	1400Z
Rear Axle	AXLE,RR(6.17/8.41 RATIO)	1401A
Rear Axle	AXLE,RR(6.20 RATIO)	1405A
Rear Axle	AXLE,RR(6.29 RATIO)	1415A
Rear Axle	AXLE,RR(6.29/8.75 RATIO)	1418A
Rear Axle	AXLE,RR(6.38 RATIO)	1445A
Rear Axle	AXLE,RR(6.40/8.72 RATIO)	1451A
Rear Axle	AXLE,RR(6.43 RATIO)	1454A
Rear Axle	AXLE,RR(6.50 RATIO)	1460A
Rear Axle	AXLE,RR(6.50/8.86 RATIO)	1462A
Rear Axle	AXLE,RR(6.57 RATIO)	1468A
Rear Axle	AXLE,RR(6.57/8.86 RATIO)	1468K
Rear Axle	AXLE,RR(6.57/8.94 RATIO)	1468N
Rear Axle	AXLE,RR(6.57/8.96 RATIO)	1468Q
Rear Axle	AXLE,RR(6.57/9.14 RATIO)	1470A
Rear Axle	AXLE,RR(6.57/9.14 RATIO)	1471A
Rear Axle	AXLE,RR(6.64 RATIO)	1480A
Rear Axle	AXLE,RR(6.65 RATIO)	1481A
Rear Axle	AXLE,RR(6.67 RATIO)	1483A
Rear Axle	AXLE,RR(6.67/9.08 RATIO)	1483E
Rear Axle	AXLE,RR(6.83 RATIO)	1570A
Rear Axle	AXLE,RR(7.17 RATIO)	1580A
Rear Axle	AXLE,RR(7.17/9.77 RATIO)	1583C
Rear Axle	AXLE,RR(7.17/9.97 RATIO)	1583R
Rear Axle	AXLE,RR(7.40 RATIO)	1590A
Rear Axle	AXLE,RR(9.08 RATIO)	1700A
Rear Axle	AXLE,RR(6.05 RATIO)	2375A
Differential Carrier	CARRIER,DIFF	X0288

1. SUSPENSION
2. REAR SUSPENSION
3. REPAIR INSTRUCTIONS
- 4.

Wheel Stud Replacement

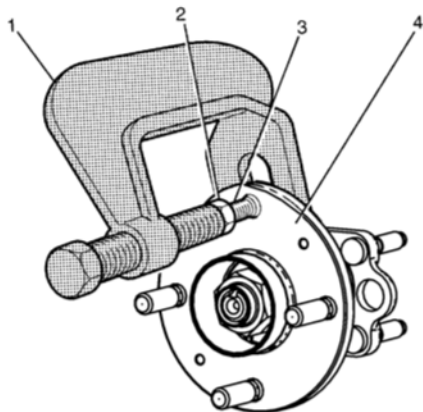
Special Tools

CH-43631 Ball Joint Remover

For equivalent regional tools, refer to [Special Tools](#).

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 brake drum. Refer to [Brake Drum Replacement](#).
4. Remove the wheel bearing/hub. Refer to [Rear Wheel Bearing and Hub Replacement](#).



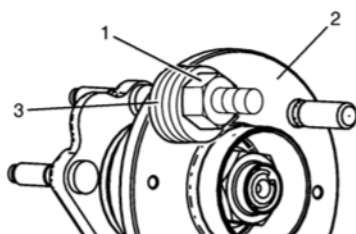
5.

[Click here for full size](#)

6. Install a wheel nut(2) flush with the end of the wheel stud(3).

7. Using the *CH-43631* remover (1), remove the wheel stud(3) from the wheel hub(4).

Installation Procedure





1. [Click here for full size](#)
2. Install the NEW wheel stud into the wheel bearing/hub(2).
3. Add enough washers(3) in order to draw the stud into the hub.
4. Install and tighten the wheel nut(1) until the head of the wheel stud is fully seated against the back of the bearing hub flange(2).
5. Install the wheel nut(1) and the washers(3).
6. Install the wheel bearing/hub. Refer to [Rear Wheel Bearing and Hub Replacement](#).
7. Install the brake drum. Refer to [Brake Drum Replacement](#).
8. Install the tire and wheel assembly. Refer to [Tire and Wheel Removal and Installation](#).
9. Lower the vehicle.

Specifications

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- 1. SUSPENSION
- 2. REAR SUSPENSION
- 3. SPECIFICATIONS
- 4.

Fastener Specifications

Reusable Threaded Fastener Tightening Specifications

Application	Specification
	Metric (English)
Note:	
All fasteners listed in this table can be reused after removal.	
Rear Axle to Body Retaining Bolt	165â€‰N-mâ€‰(122â€‰lbâ€‰ft)
Strut to Rear Axle Retaining Bolt	95â€‰N-mâ€‰(70â€‰lbâ€‰ft)
Strut Upper Mounting Nut	21â€‰N-mâ€‰(15â€‰lbâ€‰ft)
Wheel Hub Spindle Nut	190â€‰N-mâ€‰(140â€‰lbâ€‰ft)
Wheel Spindle Assembly to Rear Axle Retaining Nut	80â€‰N-mâ€‰(59â€‰lbâ€‰ft)

Special Tools and Equipment

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- 1. SUSPENSION
- 2. REAR SUSPENSION
- 3. SPECIAL TOOLS AND EQUIPMENT
- 4.

Special Tools

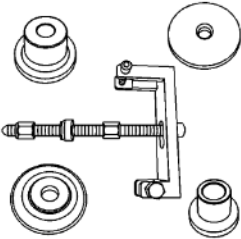
Illustration	Tool Number/ Description
 Click here for full size	CH-43631 J-43631 Ball Joint Remover
 Click here for full size	CH-51725 Wheel Hub/Bearing Remover/Installer Kit

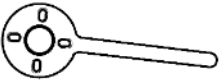
Illustration	Tool Number/ Description
	DT-50186 Wheel Hub Holding Tool
Click here for full size	

Illustration	Tool Number/ Description
	DT-50187 Rear Axle Supporter
Click here for full size	