

2005 Cadillac SRX

2005 ACCESSORIES & EQUIPMENT Frame and Underbody - SRX

2005 ACCESSORIES & EQUIPMENT**Frame and Underbody - SRX****SPECIFICATIONS****FASTENER TIGHTENING SPECIFICATIONS****Fastener Tightening Specifications**

Application	Specification	
	Metric	English
Antilock Brake Module Retaining Nuts	8 N.m	71 lb in
Brake Line to Brake Hose Fitting	27 N.m	20 lb ft
Brake Pipe Bracket to Body Retaining Nuts	10 N.m	89 lb in
ECM Bracket Retaining Bolts	9 N.m	80 lb in
ECM Bracket Retaining Nuts	12 N.m	106 lb in
ECM to Bracket Retaining Nuts	12 N.m	106 lb in
Engine Mount Lower Retaining Nuts	80 N.m	59 lb ft
Front Frame to Body Front Mounting Bolts (Position 3)	250 N.m	185 lb ft
Front Frame to Body Mounting Bolts	191 N.m	141 lb ft
Front Frame to Body Rear and Mid Mounting Bolts (Positions 1 and 2)	191 N.m	141 lb ft
Intermediate Shaft to Steering Gear Retaining Bolt	50 N.m	37 lb ft
Outer Tie Rod to Steering Knuckle Retaining Nut	70 N.m	52 lb ft
Outer Transmission Mounting Bolts	60 N.m	44 lb ft
Power Steering Cooler to A/C Condenser Retaining Bolts	9 N.m	80 lb in
Power Steering Hoses to Frame Retaining Bolts	4 N.m	35 lb in
Power Steering Pipes to Power Steering Gear Retaining Bolt	23 N.m	17 lb ft
Rear Frame to Body Front Mounting Bolts	265 N.m	195 lb ft
Rear Frame to Body Rear Mounting Bolts	191 N.m	141 lb ft
Rear Shock Absorber Lower Mounting Bolt	150 N.m	111 lb ft
Trailer Hitch Mounting Bolts	95 N.m	70 lb ft
Transmission Mount Lower Mounting Nuts	60 N.m	44 lb ft
Upper Ball Joint Retaining Nut		
• First Pass	120 N.m	15 lb ft
• Second Pass	+ 210°	

2005 Cadillac SRX

2005 ACCESSORIES & EQUIPMENT Frame and Underbody - SRX

Water Bottle to Knuckle Retaining Bolts • First Pass	61 N.m	53 lb ft
Yoke to Shock Absorber Retaining Nut • Second Pass	180 N.m + 210	133 lb ft

REPAIR INSTRUCTIONS

FRAME REPLACEMENT - FRONT

Tools Required

- **J 24319-B** Steering Linkage and Tie Rod Puller. See **Special Tools**.
- **J 39580** Engine Support Stand. See **Special Tools**.
- **J 43631** Ball Joint Remover. See **Special Tools**.

Removal Procedure

1. Install the engine support fixture. Refer to **Engine Support Fixture** in Engine Mechanical - 3.6L (LY7) or **Engine Support Fixture** in Engine Mechanical - 4.6L (LH2).
2. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.
3. Remove the front wheels. Refer to **Tire and Wheel Removal and Installation** in Tires and Wheels.
4. Remove the front air deflector. Refer to **Air Deflector Replacement - Front** in Body Front End.

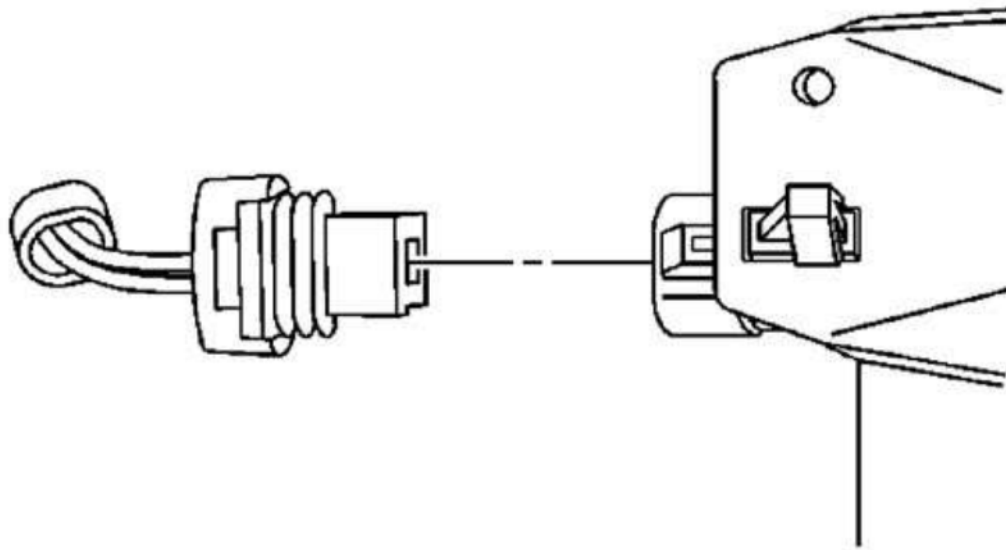


Fig. 1: View Of Wheel Speed Sensor Electrical Connector
Courtesy of GENERAL MOTORS CORP.

5. Disconnect the wheel speed sensor harness connectors.
6. Disconnect the wheel speed sensor harness from the lower control arm.

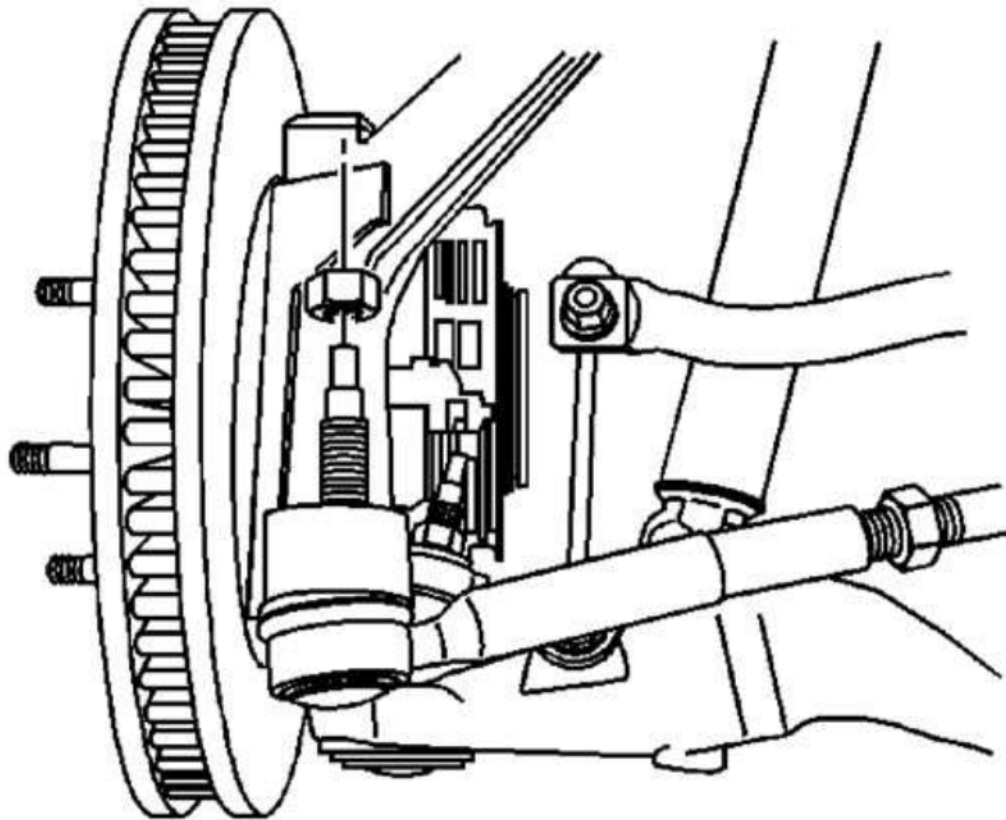


Fig. 2: View Of Outer Tie Rod-To-Steering Knuckle And Retaining Nut
Courtesy of GENERAL MOTORS CORP.

7. Remove the outer tie rod to steering knuckle retaining nut.

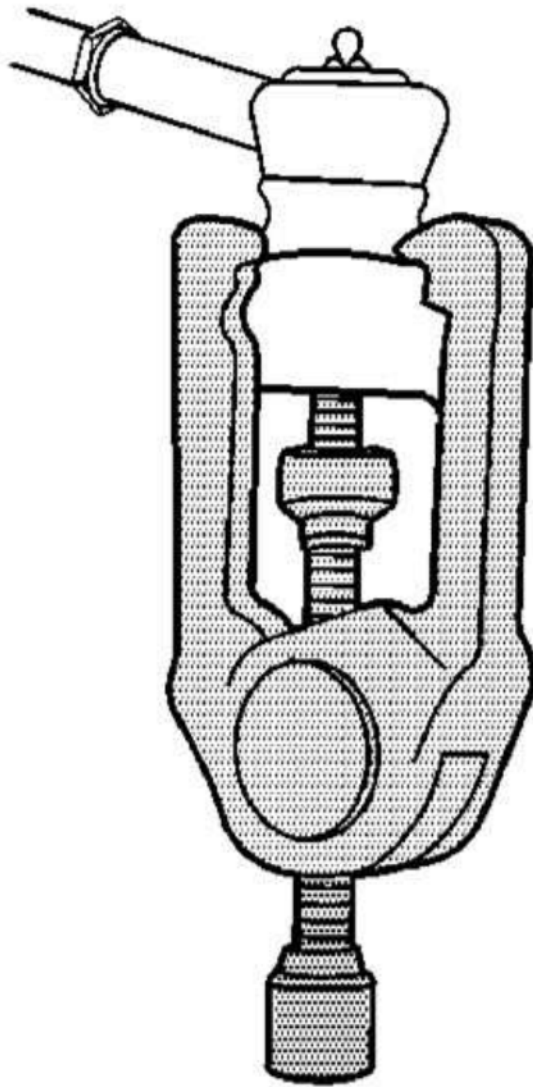


Fig. 3: Removing Outer Tie Rod Assembly From Steering Knuckle
Courtesy of GENERAL MOTORS CORP.

8. Using the **J 43631** , separate the outer tie rod from the steering knuckle. See **Special Tools**.

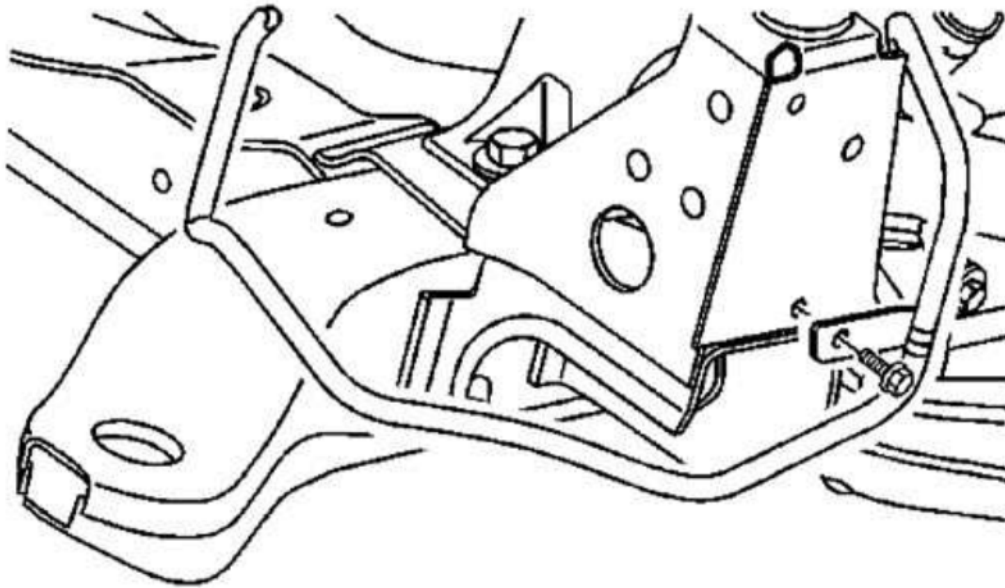


Fig. 4: View Of Power Steering Return Hose-To-Frame Retaining Bolts
Courtesy of GENERAL MOTORS CORP.

9. Remove the power steering return hose to frame retaining bolts.

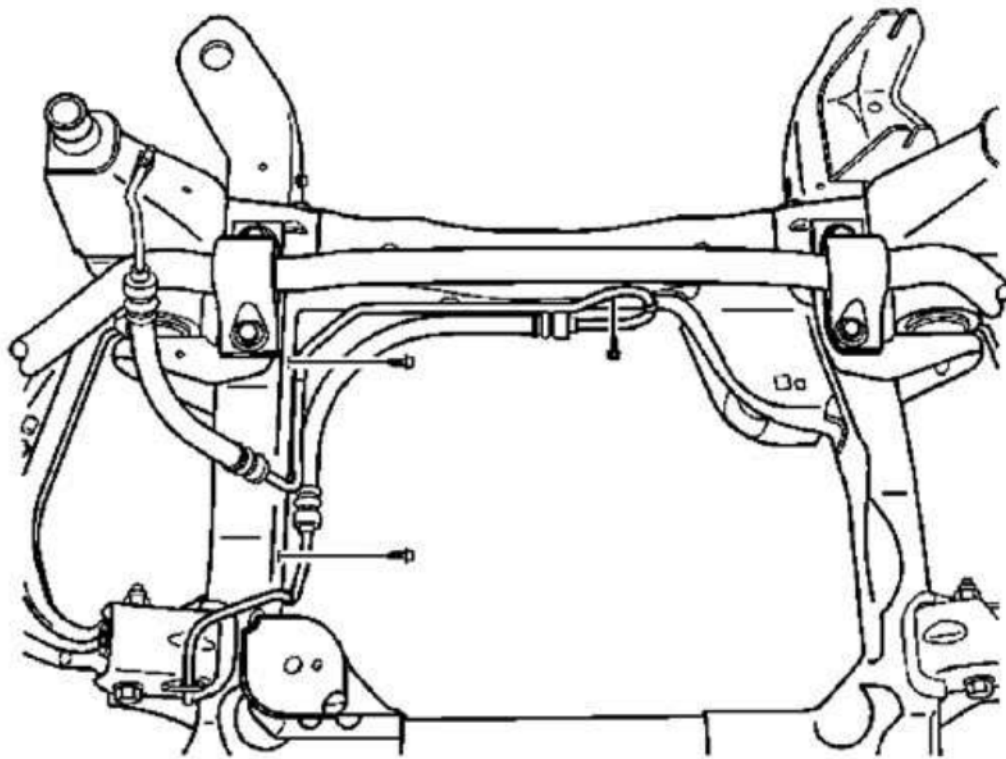


Fig. 5: View Of Power Steering Pressure Hose-To-Frame Retaining Bolts
Courtesy of GENERAL MOTORS CORP.

10. Remove the power steering pressure hose to frame retaining bolts.
11. Remove the engine control module (ECM). Refer to **Engine Control Module (ECM) Replacement** in Engine Control - 3.6L (LY7) or **Engine Control Module (ECM) Replacement** in Engine Controls - 4.6L (LH2).
12. Remove the ECM bracket retaining bolts.
13. Remove the ECM bracket.

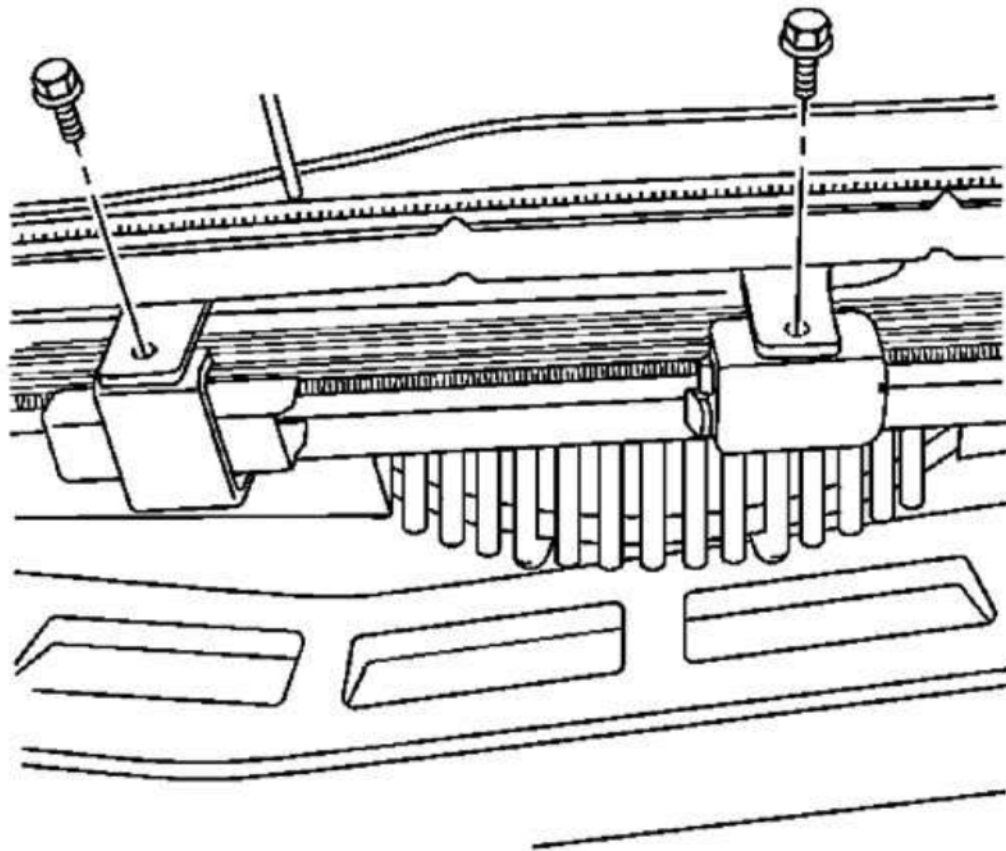


Fig. 6: View Of Power Steering Cooler Bracket-To-Air Conditioning Condenser Retaining Bolts

Courtesy of GENERAL MOTORS CORP.

14. Remove the power steering cooler bracket to air conditioning condenser retaining bolts.
15. Remove the power steering cooler from the air conditioning condenser.
16. Remove the tie strap from the power steering pressure hose to the electrical harness.

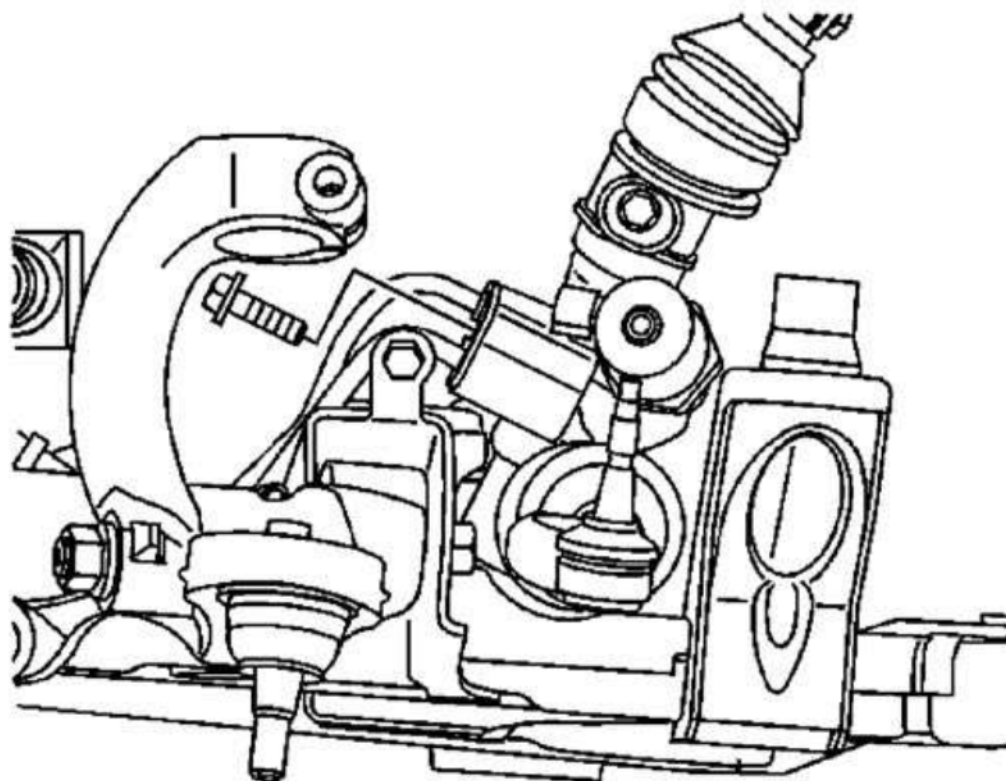


Fig. 7: View Of Power Steering Pipes-To-Steering Gear Retaining Bolt
Courtesy of GENERAL MOTORS CORP.

17. Remove the power steering pipes to steering gear retaining bolt.
18. Disconnect the power steering pipes from the power steering gear.

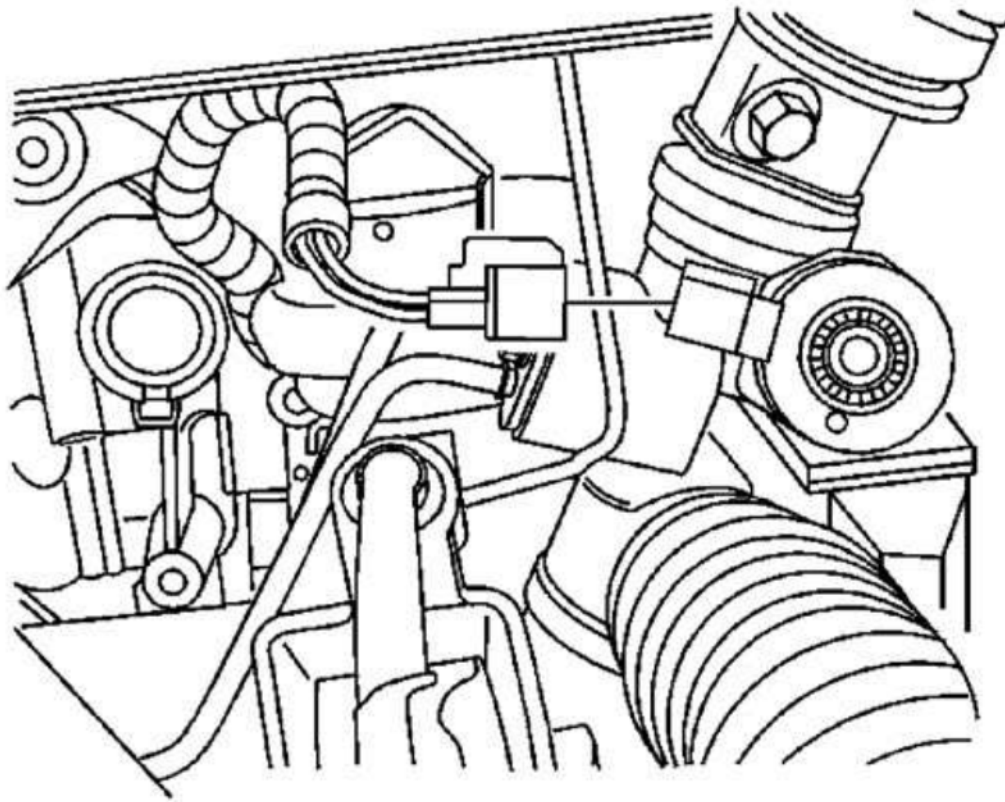


Fig. 8: View Of Variable Effort Steering Electrical Connector
Courtesy of GENERAL MOTORS CORP.

19. Disconnect the variable effort steering electrical connector from the power steering gear.

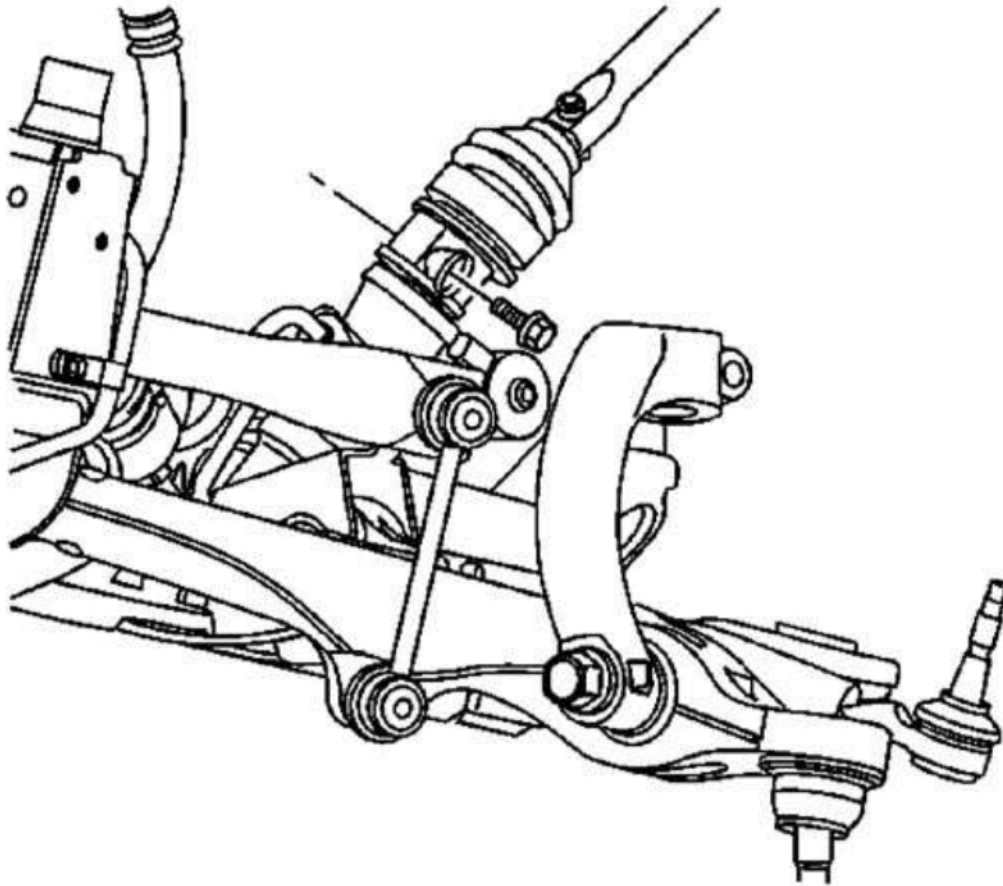


Fig. 9: View Of Intermediate Shaft-To-Power Steering Gear Pinch Bolt
Courtesy of GENERAL MOTORS CORP.

20. Remove the intermediate shaft to power steering gear pinch bolt.

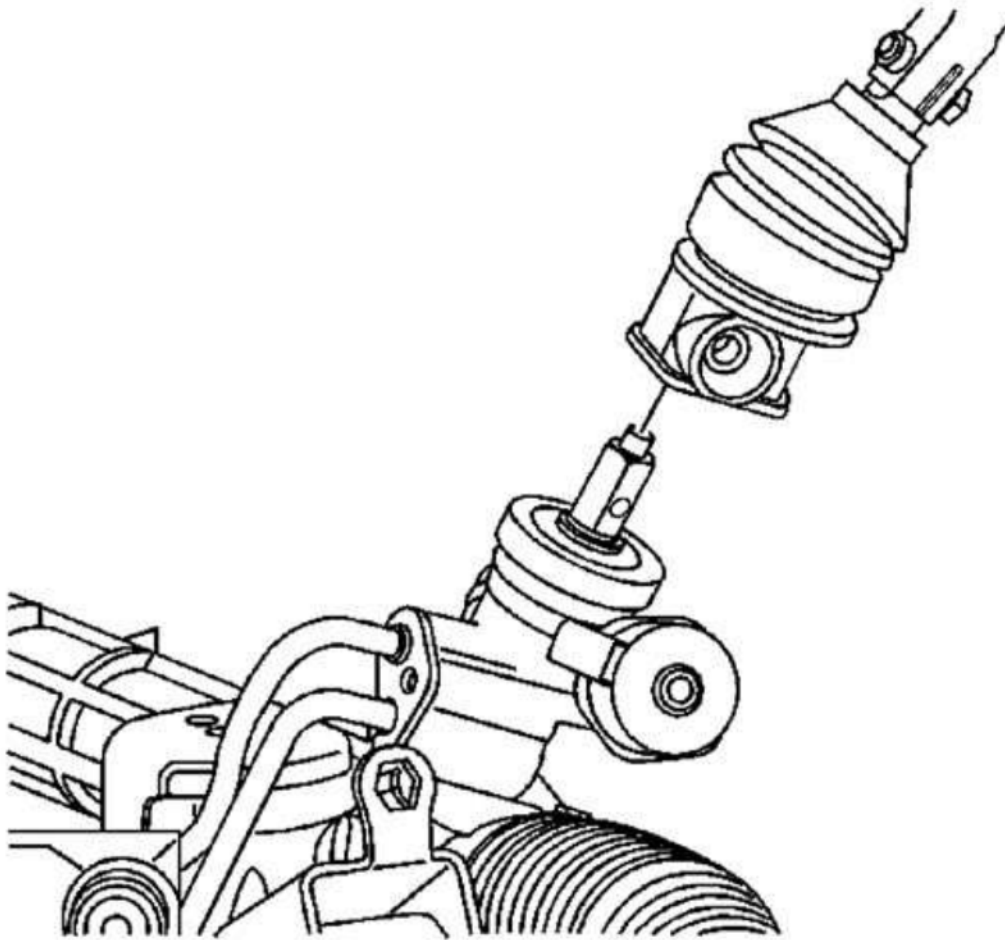


Fig. 10: View Of Intermediate Shaft & Power Steering Gear
Courtesy of GENERAL MOTORS CORP.

21. Disconnect the intermediate shaft from the power steering gear.

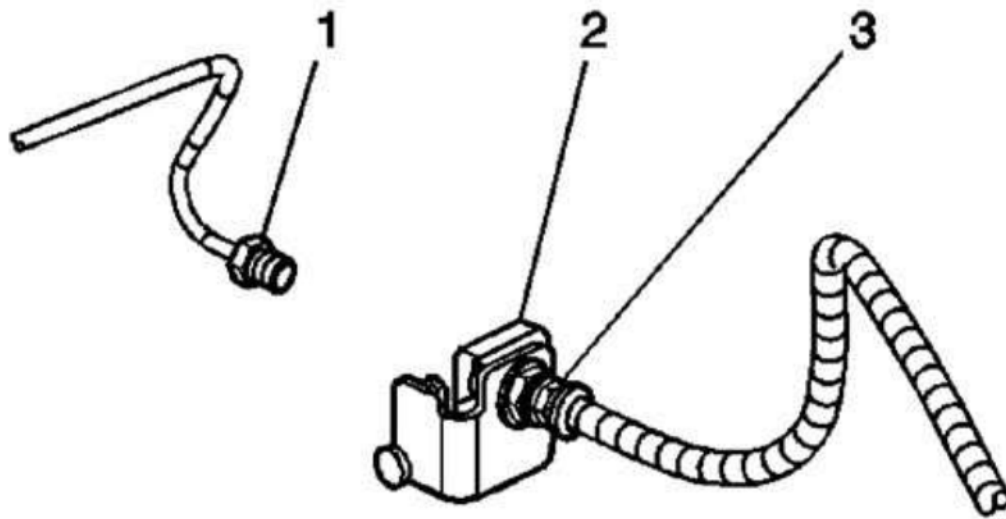


Fig. 11: Disconnecting/Reconnecting Brake Line Fitting
Courtesy of GENERAL MOTORS CORP.

22. Disconnect the brake lines (1) from the brake hoses (3).

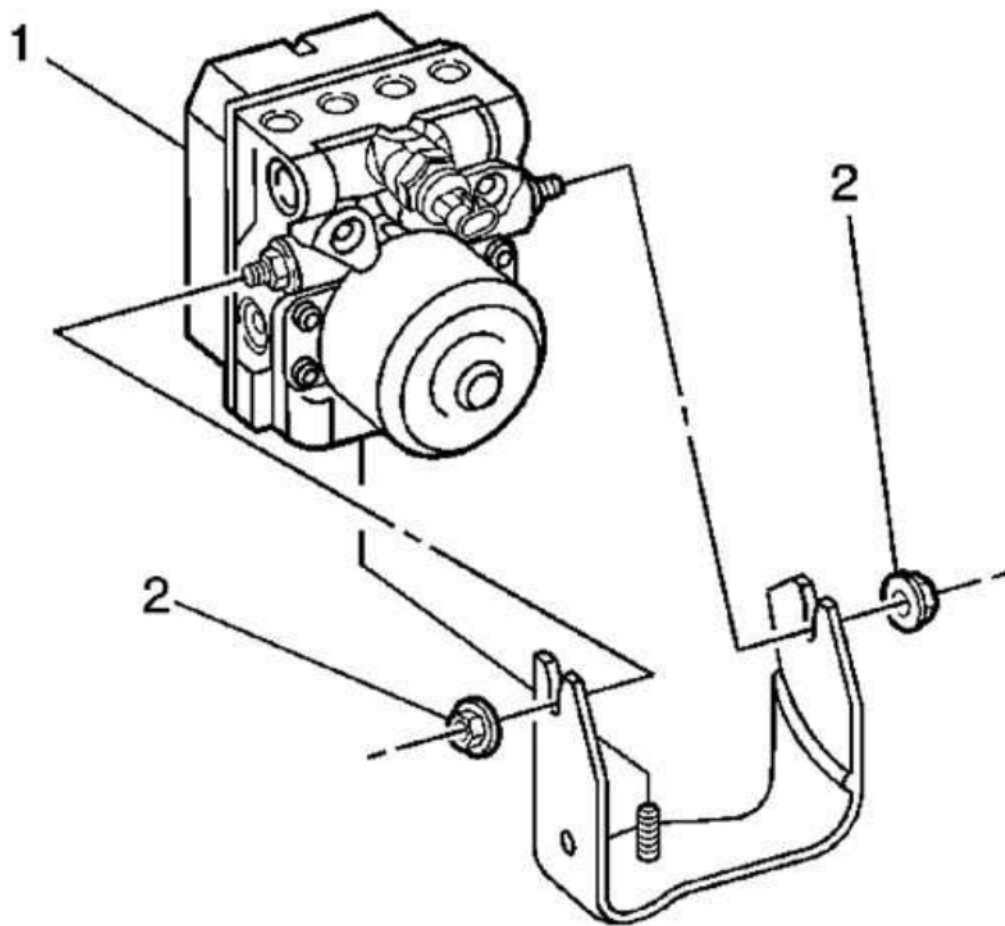


Fig. 12: View Of ABS Module
Courtesy of GENERAL MOTORS CORP.

23. Loosen the ABS module retaining nuts (2, 3).
24. Disconnect the ABS module harness connector.
25. Remove the upper ball joint retaining nut.

NOTE: Do not free the ball stud by using a pickle fork or a wedge-type tool. Damage to the seal or bushing may result.

26. Using the **J 43631**, separate the ball stud from the steering knuckle. See **Special Tools**.
27. Remove the yoke to shock retaining nut.
28. Remove the yoke to shock retaining bolt.
29. Remove the washer bottle to knuckle retaining bolts.

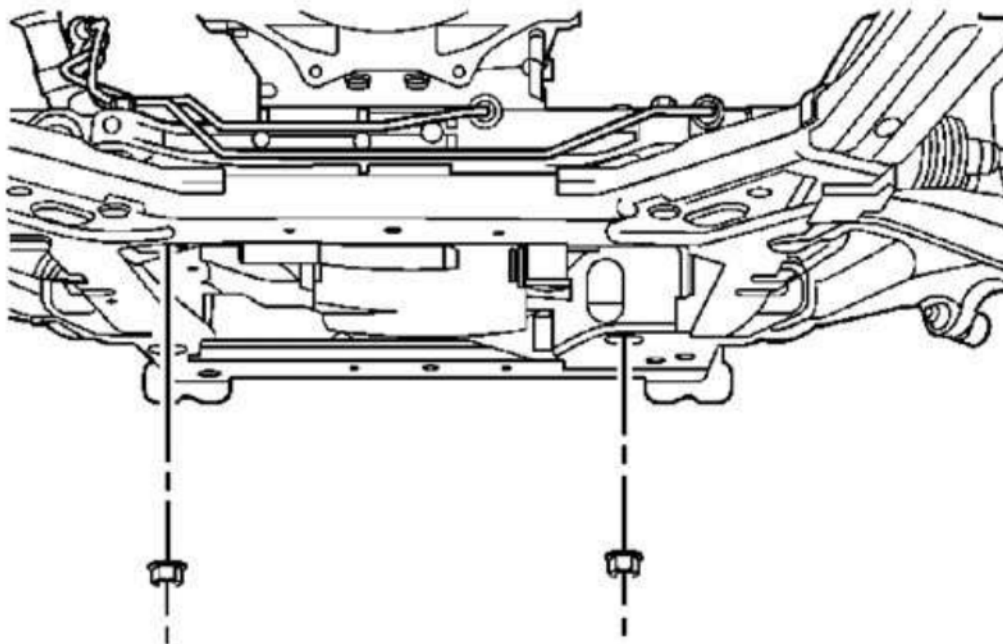


Fig. 13: View Of Engine Mount Lower Retaining Nuts
Courtesy of GENERAL MOTORS CORP.

30. Remove the engine mount lower retaining nuts.
31. Install the **J 39580** under the vehicle. See **Special Tools**.
32. Lower the vehicle to the frame support table.

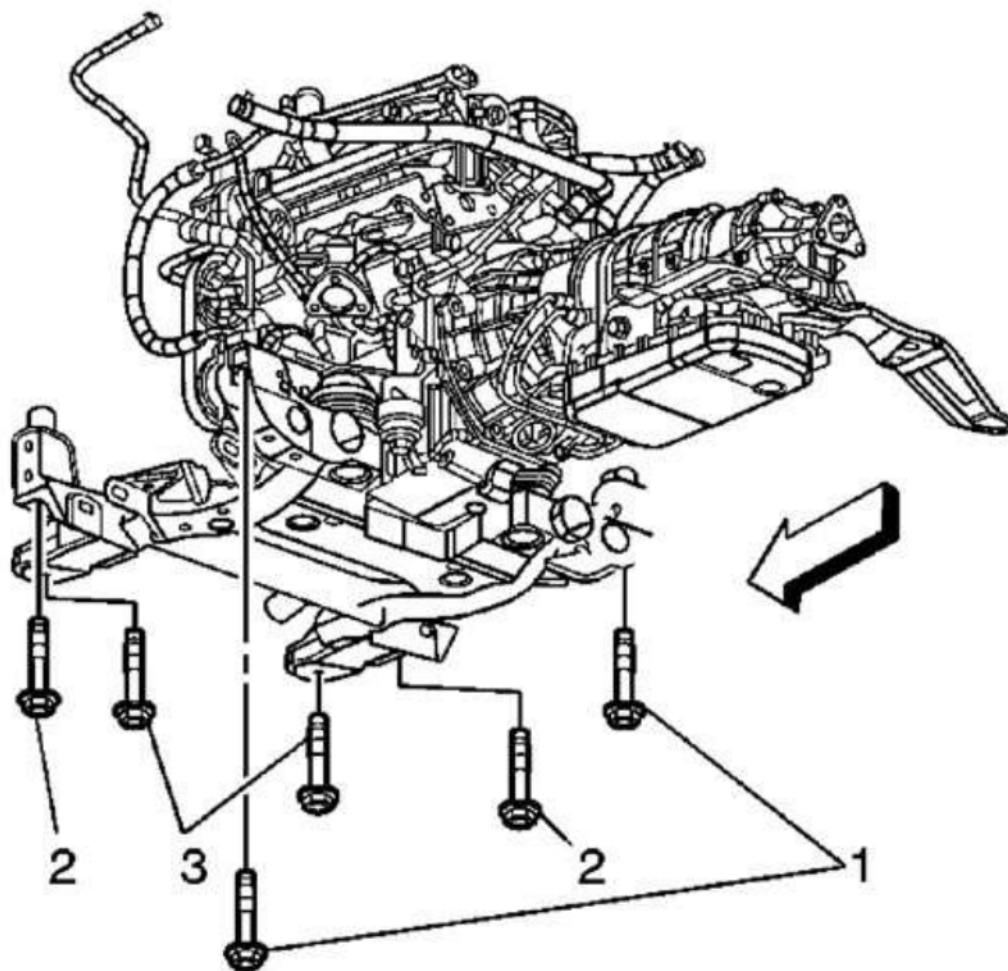


Fig. 14: Frame Mounting Bolts
Courtesy of GENERAL MOTORS CORP.

33. Remove the frame mounting bolts (1-3).
34. With the aid of an assistant, carefully raise the body from the frame.
35. Ensure when raising the body the following items are clear from the frame:
 - The brake pipes
 - The steering knuckle assembly
 - The wheel speed sensor electrical harness
36. Remove the lower control arms. Refer to **Lower Control Arm Replacement** in Front Suspension.
37. Remove the stabilizer shaft. Refer to **Stabilizer Shaft Replacement** in Front Suspension.

38. With the aid of an assistant, remove the frame from the support fixture.

Installation Procedure

1. With the aid of an assistant, install the frame to the support fixture.
2. Install the stabilizer shaft. Refer to **Stabilizer Shaft Replacement** in Front Suspension.
3. Install the lower control arms. Refer to **Lower Control Arm Replacement** in Front Suspension.
4. Ensure when lowering the body the following items are clear from the frame:
 - The brake pipes
 - The steering knuckle assembly
 - The wheel speed sensor electrical harness
5. With the aid of an assistant, carefully lower the body to the frame.

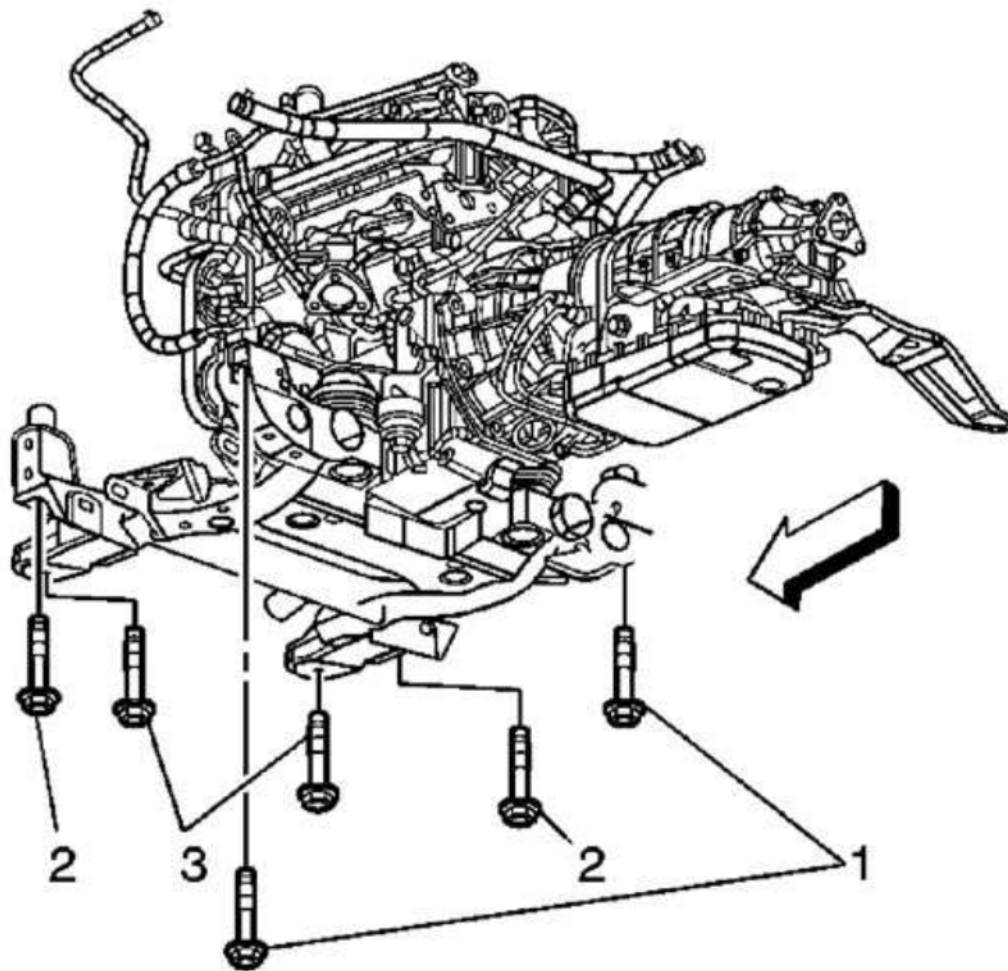


Fig. 15: Frame Mounting Bolts
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to Fastener Notice in Cautions and Notices.

6. Install the frame mounting bolts (1-2).

Tighten: Tighten the bolts to 191 N.m (141 lb ft).

7. Install the frame mounting bolts (3).

Tighten: Tighten the bolts to 250 N.m (185 lb ft).

8. Raise the vehicle from the support table.

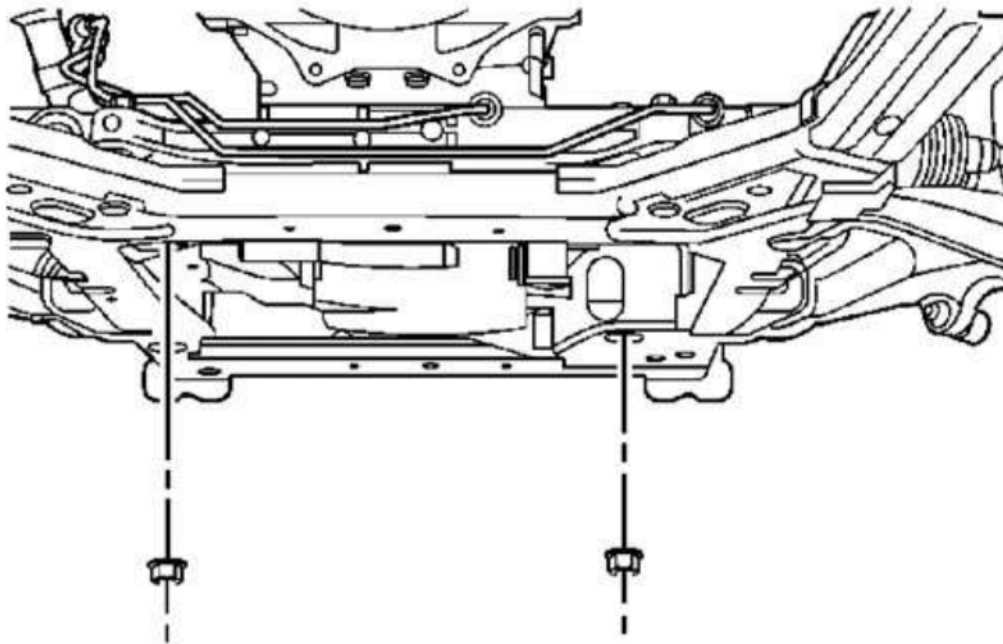


Fig. 16: View Of Engine Mount Lower Retaining Nuts
Courtesy of GENERAL MOTORS CORP.

9. Install the engine mount lower retaining nuts.

Tighten: Tighten the nuts to 80 N.m (59 lb ft).

10. Install the washer bottle to knuckle retaining bolts.

Tighten: Tighten the bolts to 6 N.m (53 lb ft).

11. Install the yoke to shock retaining bolt.

Tighten: Tighten the bolt to 180 N.m (133 lb ft).

12. Install the yoke to shock retaining nut.

Tighten: Tighten the nut to 180 N.m (133 lb ft).

13. Install the upper ball joint retaining nut.

Tighten: Tighten the nut to 20 N.m (15 lb ft plus 210 degrees).

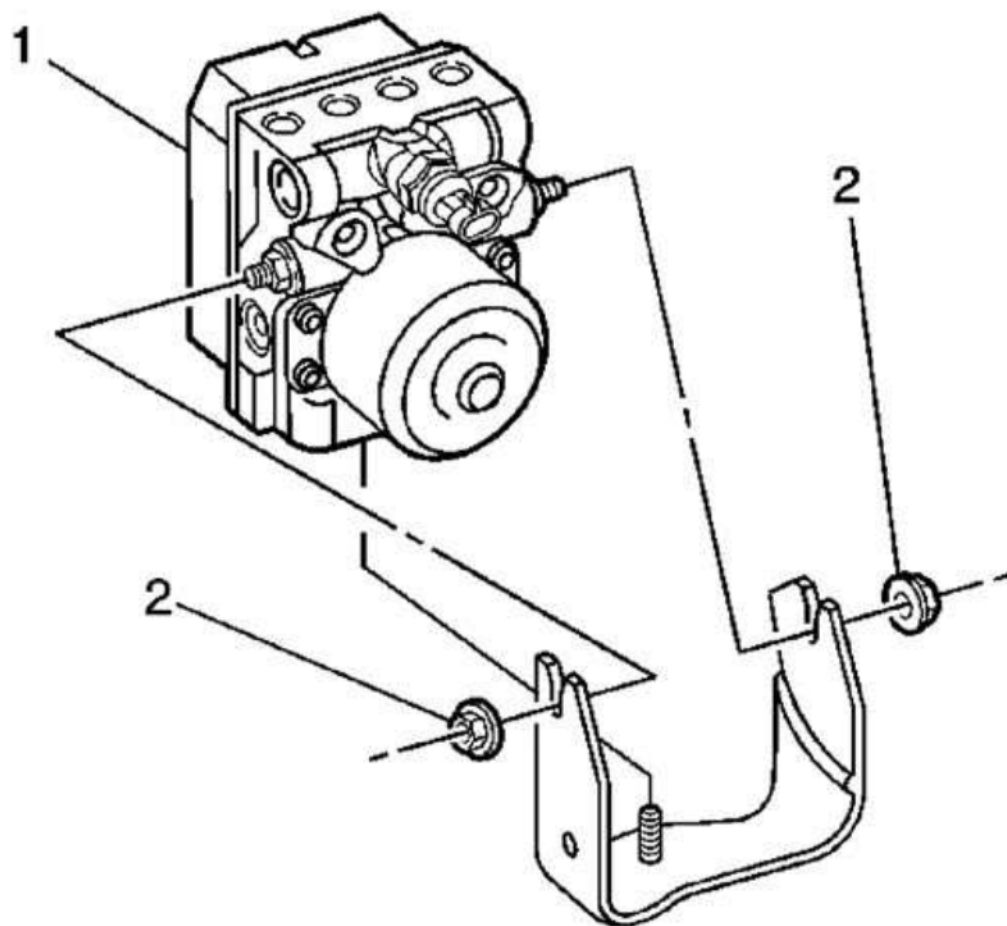


Fig. 17: View Of ABS Module
Courtesy of GENERAL MOTORS CORP.

14. Tighten the ABS module retaining nuts (2, 3).

Tighten: Tighten the nuts to 8 N.m (71 lb in).

15. Connect the ABS module harness connector.

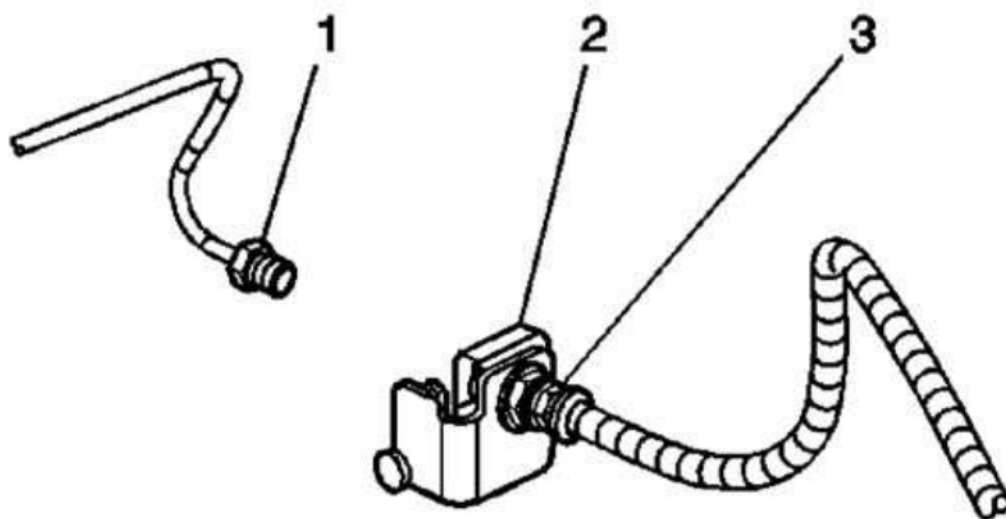


Fig. 18: Disconnecting/Reconnecting Brake Line Fitting
Courtesy of GENERAL MOTORS CORP.

16. Connect the brake lines (1) to the brake hoses (3).

Tighten: Tighten the fittings to 27 N.m (20 lb ft).

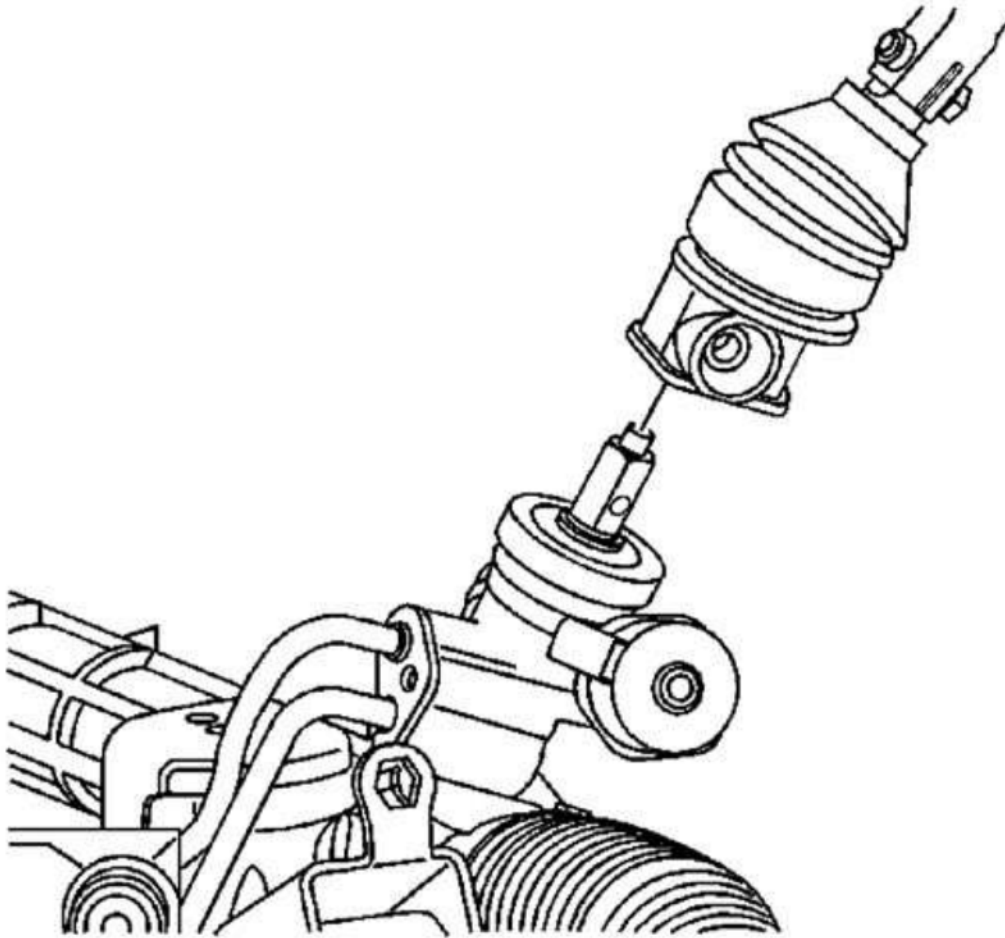


Fig. 19: View Of Intermediate Shaft & Power Steering Gear
Courtesy of GENERAL MOTORS CORP.

17. Connect the intermediate shaft to the power steering gear.

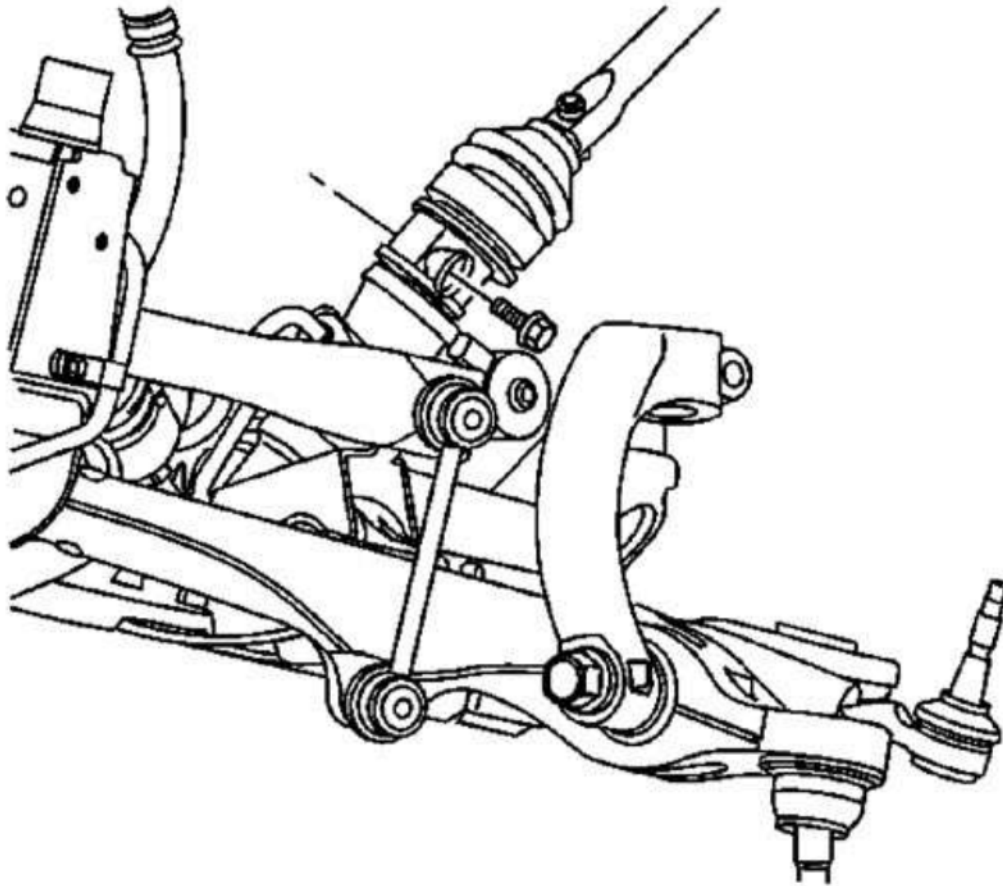


Fig. 20: View Of Intermediate Shaft-To-Power Steering Gear Pinch Bolt
Courtesy of GENERAL MOTORS CORP.

18. Install the intermediate shaft to power steering gear retaining bolt.

Tighten: Tighten the bolt to 50 N.m (37 lb ft).

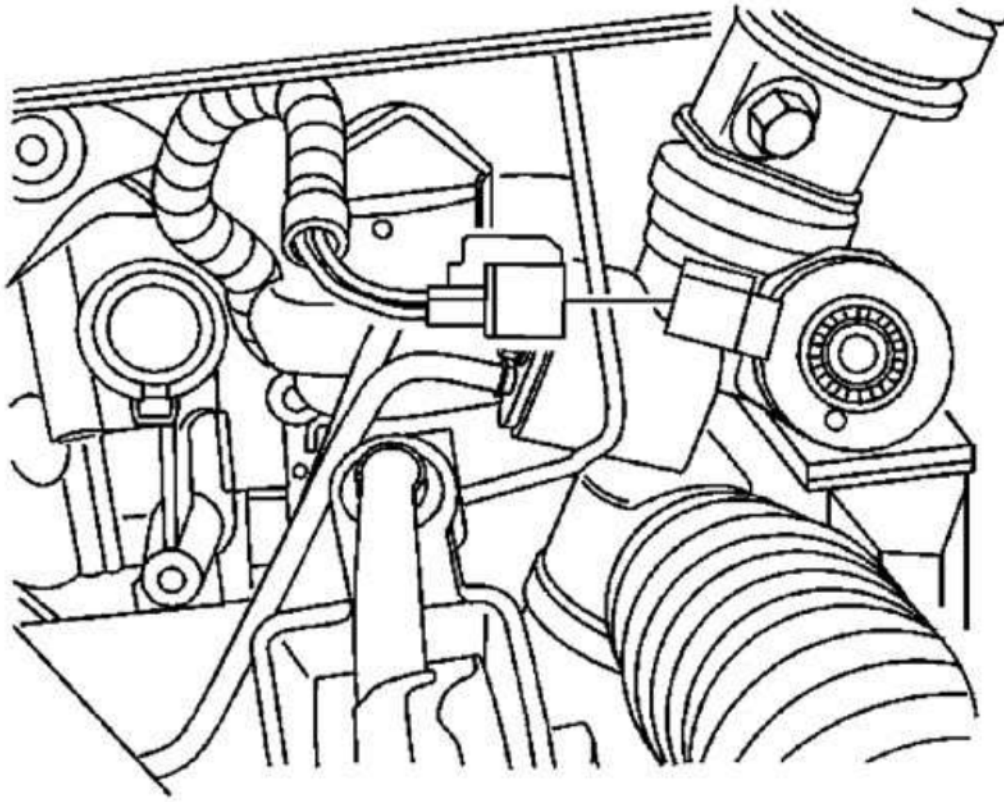


Fig. 21: View Of Variable Effort Steering Electrical Connector
Courtesy of GENERAL MOTORS CORP.

19. Connect the variable effort steering harness connector to the power steering gear.

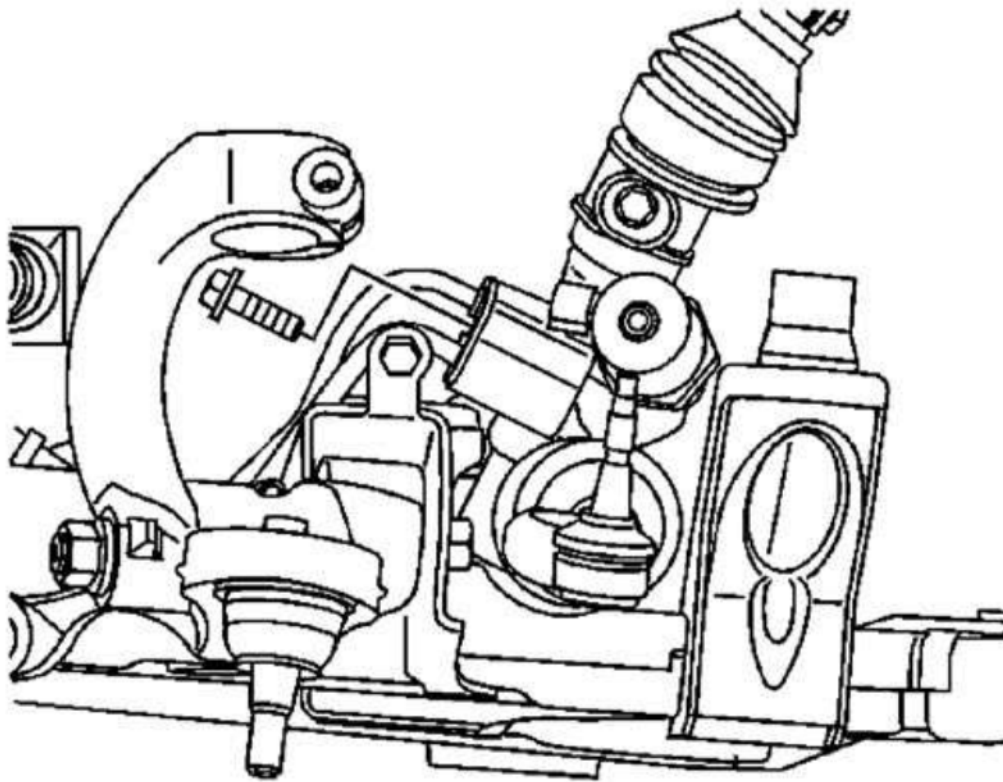


Fig. 22: View Of Power Steering Pipes-To-Steering Gear Retaining Bolt
Courtesy of GENERAL MOTORS CORP.

20. Install the power steering pipes to the power steering gear.
21. Install the power steering pipes to steering gear retaining bolt.

Tighten: Tighten the bolt to 23 N.m (17 lb ft).

22. Install a new tie strap to the power steering pressure hose and the electrical harness.

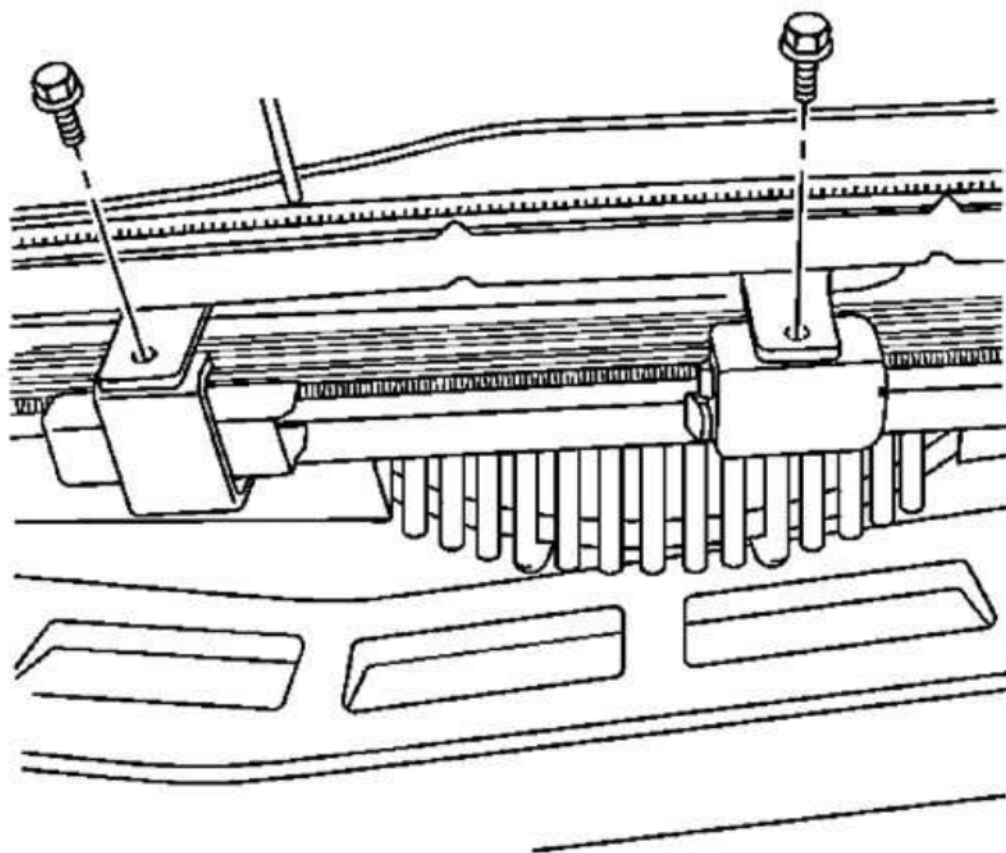


Fig. 23: View Of Power Steering Cooler Bracket-To-Air Conditioning Condenser Retaining Bolts

Courtesy of GENERAL MOTORS CORP.

23. Install the power steering cooler to the air conditioning condenser.
24. Install the power steering cooler bracket to air conditioning condenser retaining bolts.

Tighten: Tighten the bolts to 9 N.m (80 lb in).

25. Install the ECM bracket.
26. Install the ECM bracket retaining bolts.

Tighten: Tighten the bolts to 9 N.m (80 lb in).

27. Install the ECM. Refer to **Engine Control Module (ECM) Replacement** in Engine Control - 3.6L (LY7) or **Engine Control Module (ECM) Replacement** in Engine Controls - 4.6L (LH2).

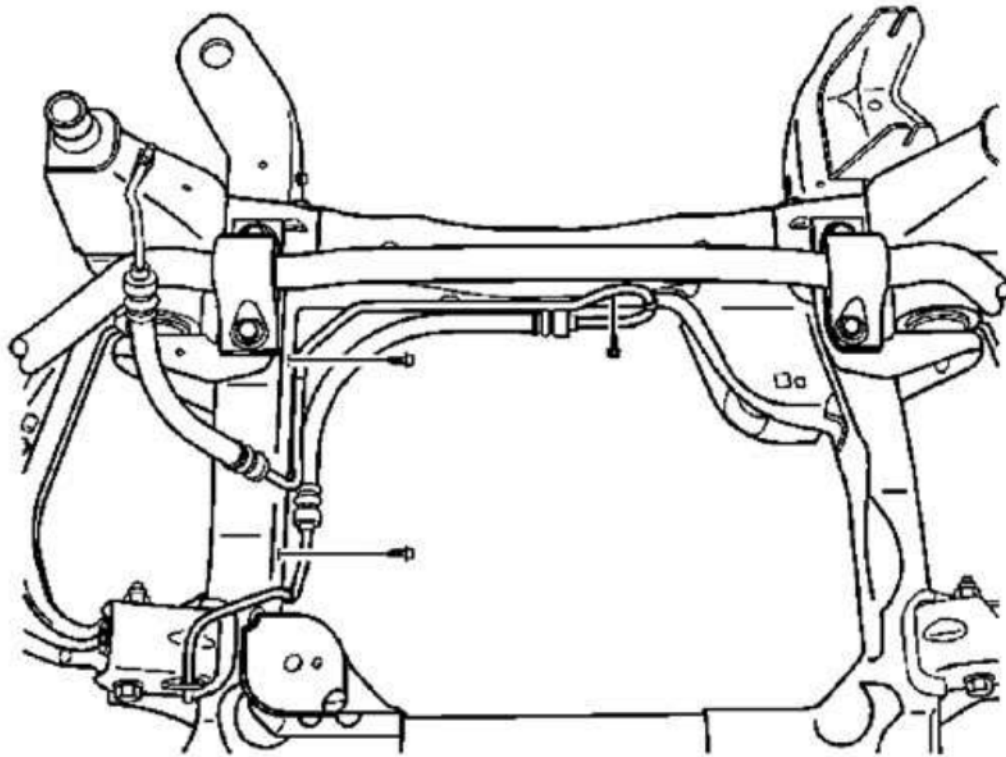


Fig. 24: View Of Power Steering Pressure Hose-To-Frame Retaining Bolts
Courtesy of GENERAL MOTORS CORP.

28. Install the power steering pressure hose to frame retaining bolts.

Tighten: Tighten the bolts to 4 N.m (35 lb in).

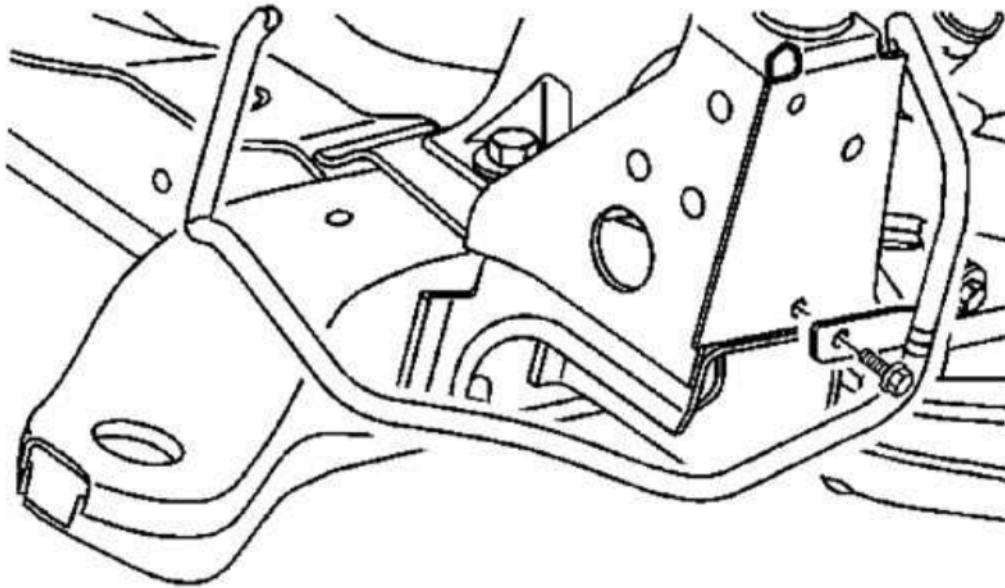


Fig. 25: View Of Power Steering Return Hose-To-Frame Retaining Bolts
Courtesy of GENERAL MOTORS CORP.

29. Install the power steering return hose to frame retaining bolts.

Tighten: Tighten the bolts to 4 N.m (35 lb in).

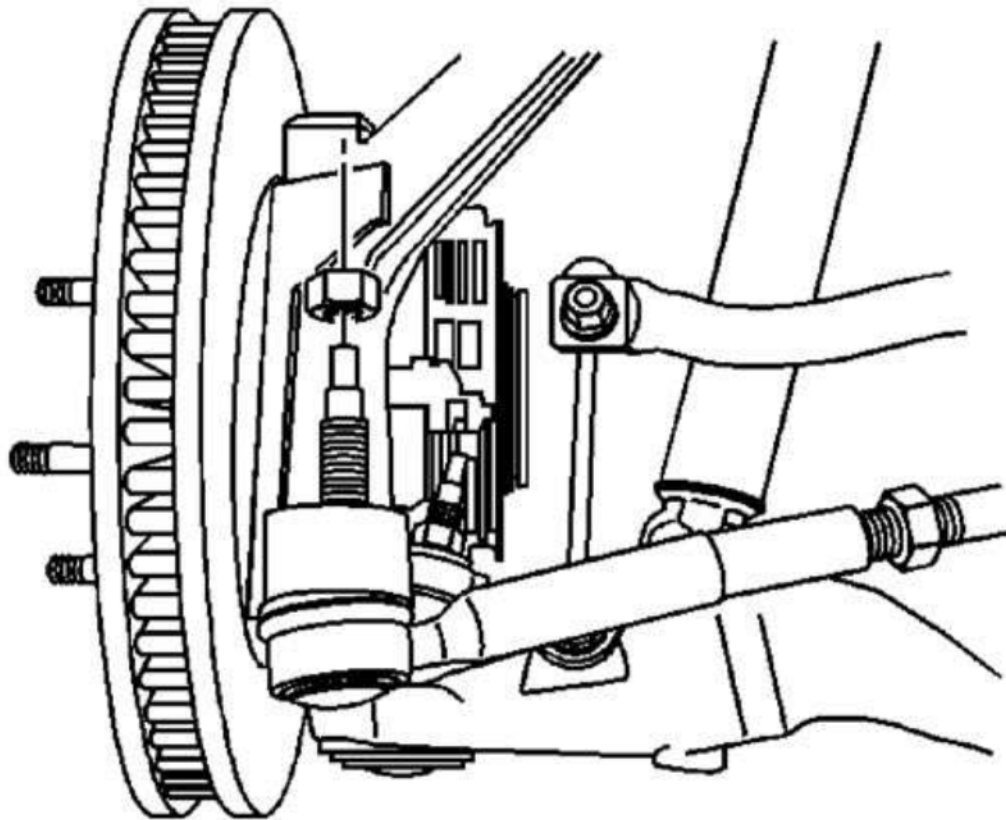


Fig. 26: View Of Outer Tie Rod-To-Steering Knuckle And Retaining Nut
Courtesy of GENERAL MOTORS CORP.

30. Install the outer tie rod to steering knuckle.
31. Install the outer tie rod to steering knuckle retaining nut.

Tighten: Tighten the nut to 70 N.m (52 lb ft).

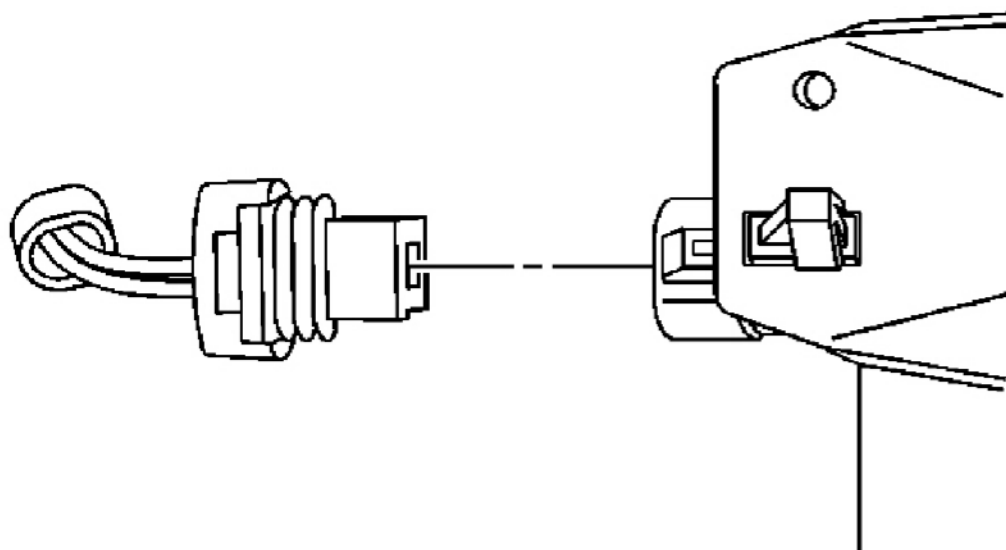


Fig. 27: View Of Wheel Speed Sensor Electrical Connector
Courtesy of GENERAL MOTORS CORP.

32. Connect the wheel speed sensor harness to the lower control arm.
33. Connect the wheel speed sensor harness connector.
34. Install the front air deflector. Refer to **Air Deflector Replacement - Front** in Body Front End.
35. Install the front wheels. Refer to **Tire and Wheel Removal and Installation** in Tires and Wheels.
36. Lower the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.
37. Remove the engine support fixture. Refer to **Engine Support Fixture** in Engine Mechanical - 3.6L (LY7) or **Engine Support Fixture** in Engine Mechanical - 4.6L (LH2).

FRAME REPLACEMENT - REAR

Tools Required

J 39580 Engine Support Stand. See **Special Tools**.

Removal Procedure

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.

2. Remove the rear wheels. Refer to **Tire and Wheel Removal and Installation** in Tires and Wheels.
3. Remove the exhaust system. Refer to **Exhaust System Replacement** in Engine Exhaust.
4. Remove the propeller shaft from the differential. Refer to **Propeller Shaft Replacement - Rear (AWD)** or **Propeller Shaft Replacement - Rear (RWD)** in Propeller Shaft.

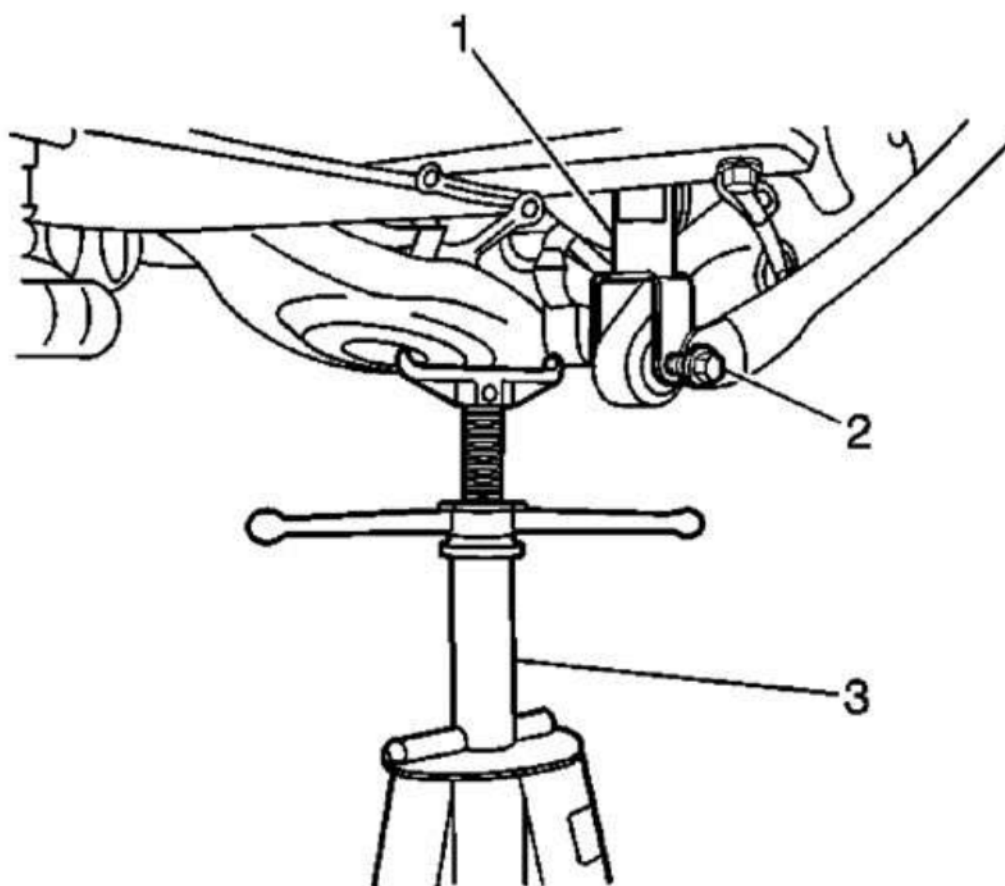


Fig. 28: Supporting Control Arm Using Support Fixture
Courtesy of GENERAL MOTORS CORP.

IMPORTANT: The lower control arms will drop approximately 1.5 inches when the shock to lower control arm bolts are removed.

5. Install the support fixture (3), in order to raise the lower control arm to relieve the tension from the shock.

6. Remove the shocks lower mounting bolt (2).
7. Remove the support fixture.

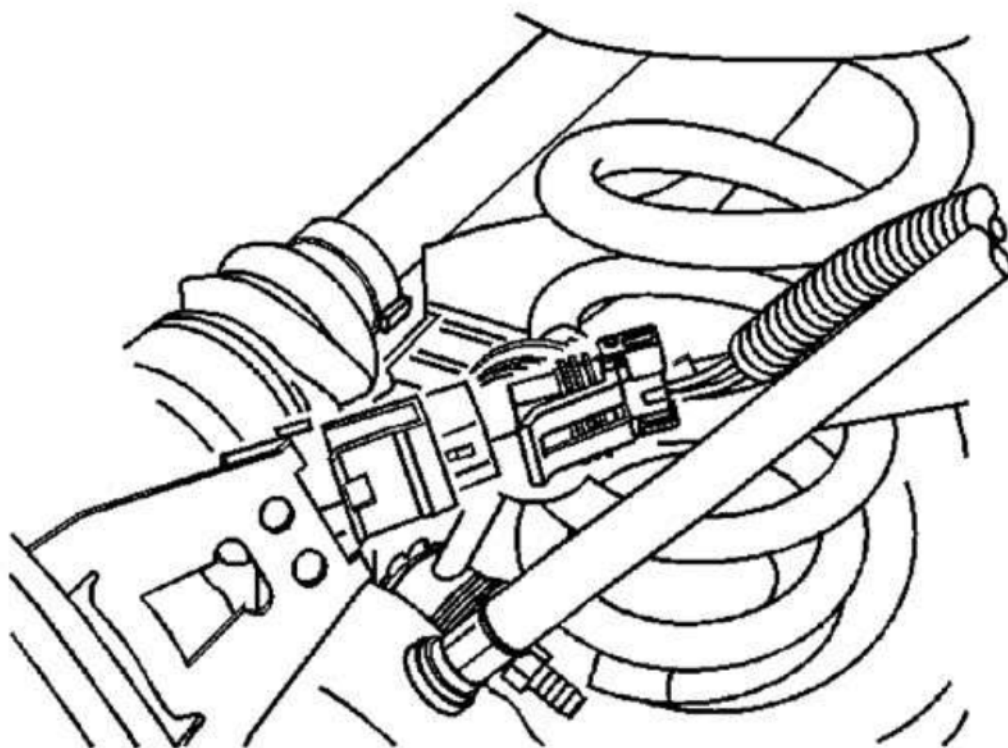


Fig. 29: View Of Rear Wheel Speed Sensor Electrical Connectors
Courtesy of GENERAL MOTORS CORP.

8. Disconnect the electrical connectors for the rear wheel speed sensors.
9. Disconnect the ABS wiring harness from the upper control arms.
10. Disconnect the rear suspension position sensor wiring harness from the frame.
11. Disconnect the rear suspension position sensor harness connector.
12. Disconnect the head lamp leveling wiring harness from the frame.
13. Disconnect the head lamp leveling sensor harness connector.

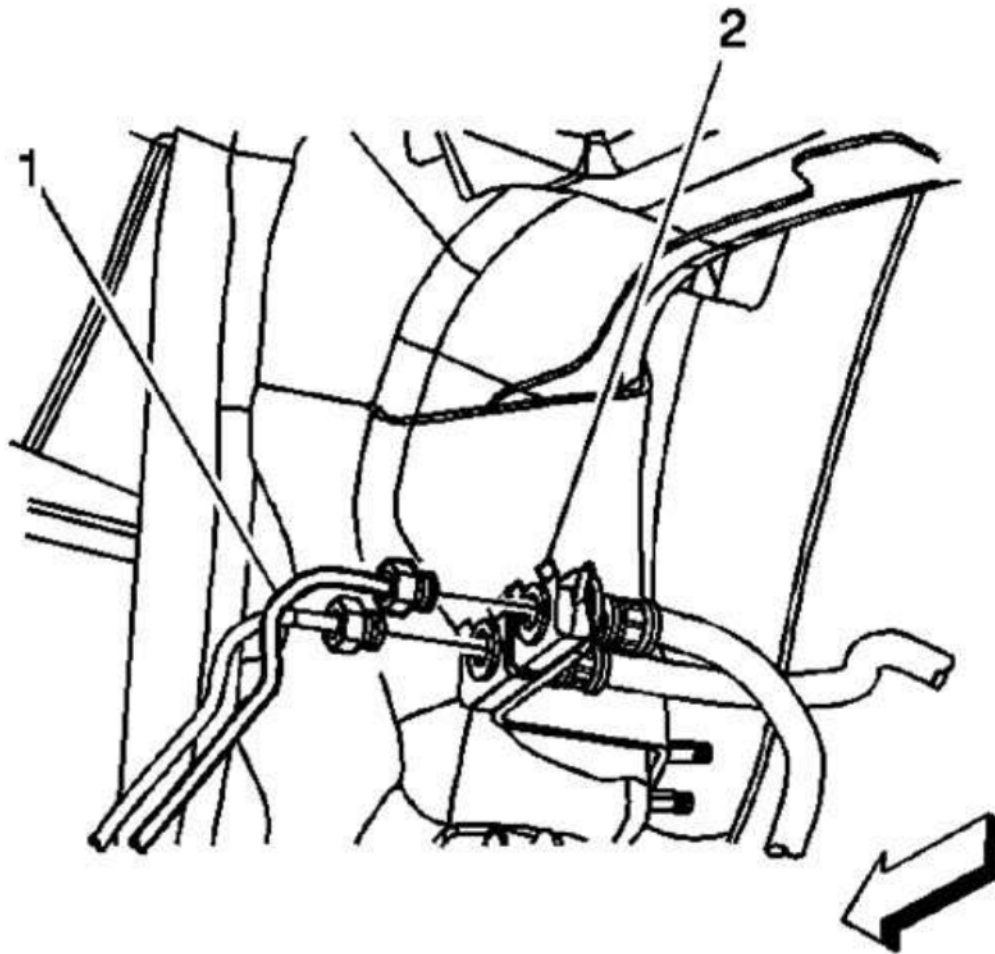


Fig. 30: View Of Rear Brake Pipe Lines
Courtesy of GENERAL MOTORS CORP.

14. Disconnect the rear brake pipe lines (1) forward of the rear wheelhouse.

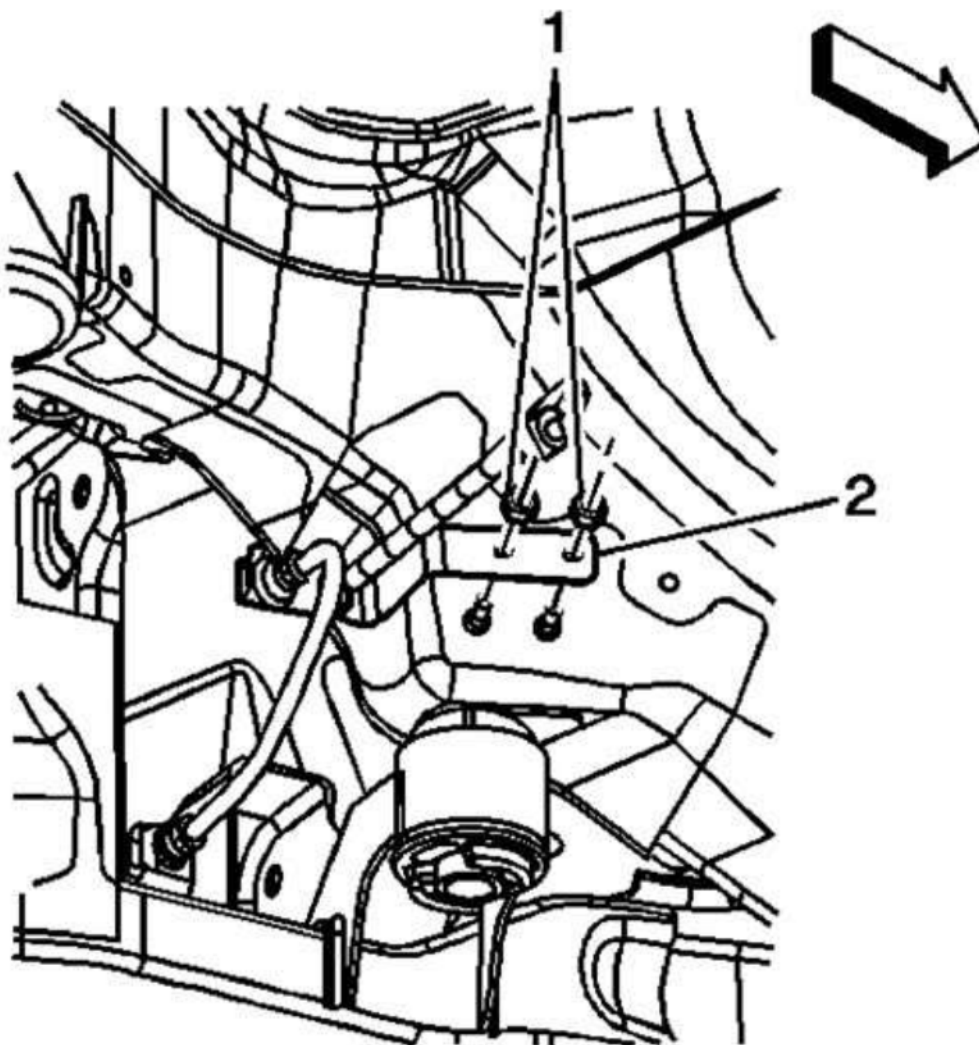


Fig. 31: View Of Intermediate Brake Hose Assembly & Mounting Nuts
Courtesy of GENERAL MOTORS CORP.

15. Remove the fastener for the brake pipe bracket (1).
16. Remove the brake pipe bracket (2) from the studs in the body.

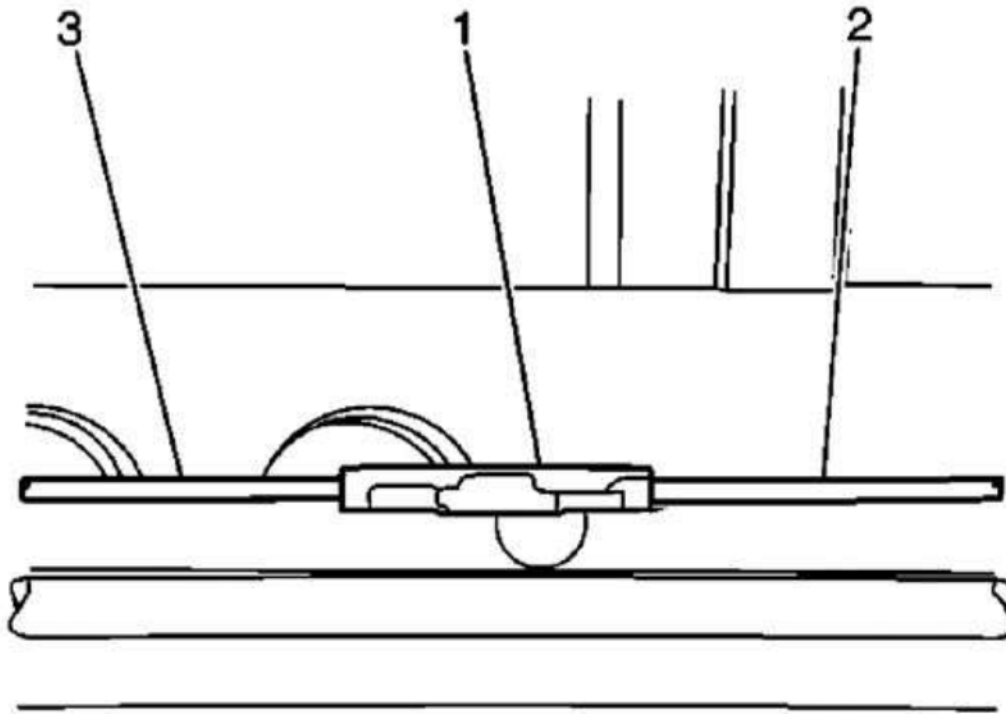


Fig. 32: View Of Park Brake Cable
Courtesy of GENERAL MOTORS CORP.

17. Disconnect the intermediate park brake cable (2) from the front park brake cable connector.

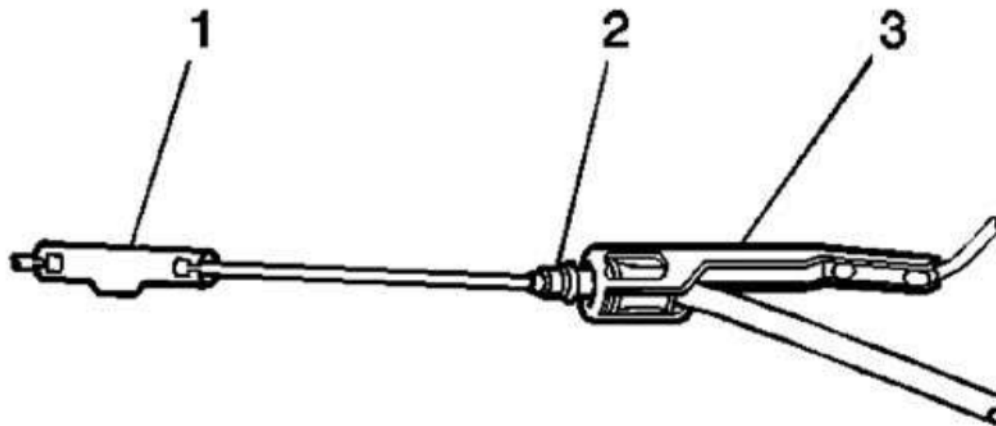


Fig. 33: View Of Rear Park Brake Cable Connector & Intermediate Park Brake Cable

Courtesy of GENERAL MOTORS CORP.

18. Disconnect the intermediate park brake cable (2) from the rear park brake cable connector (1).
19. Position the frame support table **J 39580** under the vehicle. See **Special Tools**.
20. Using the **J 39580** , lower the vehicle to the frame support table. See **Special Tools**.

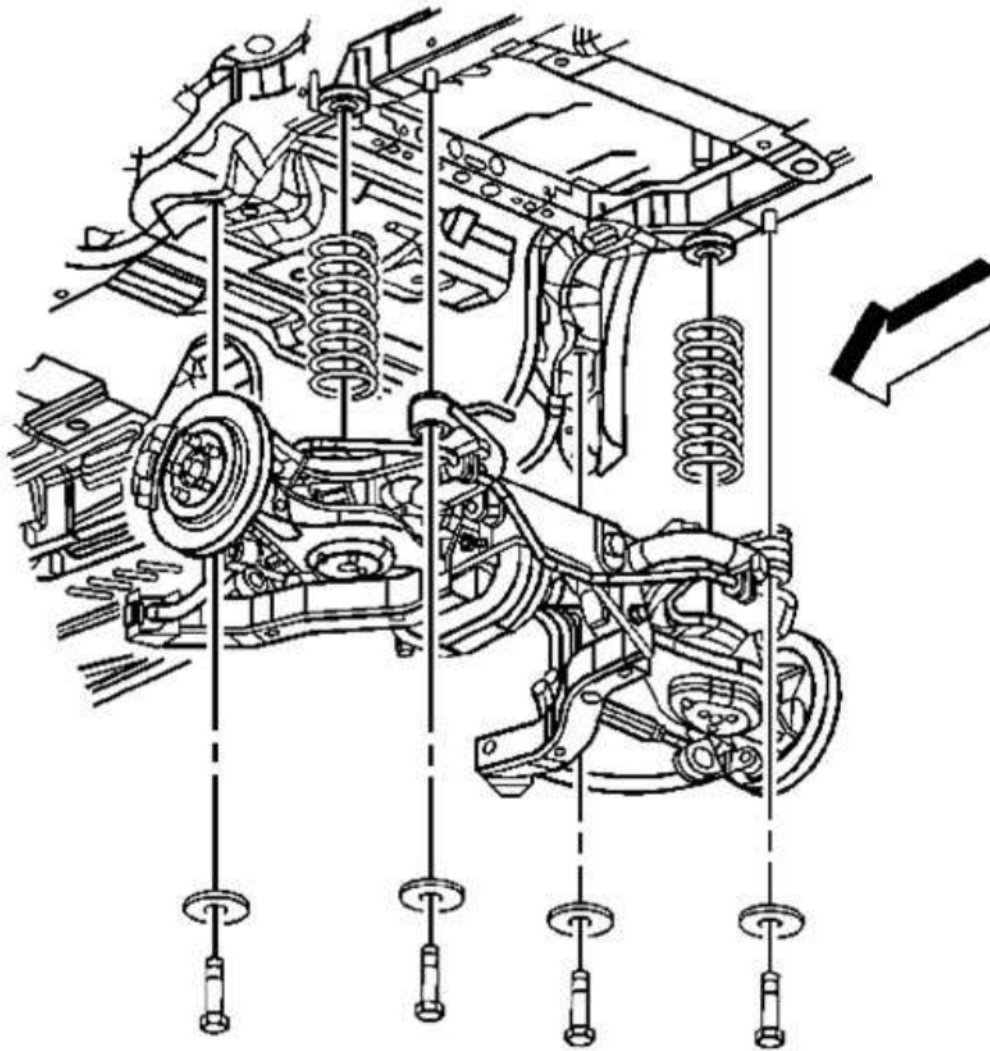


Fig. 34: View Of Frame-To-Body Mounting Bolts & Washers
Courtesy of GENERAL MOTORS CORP.

21. Remove the frame to body mounting bolts and washers.

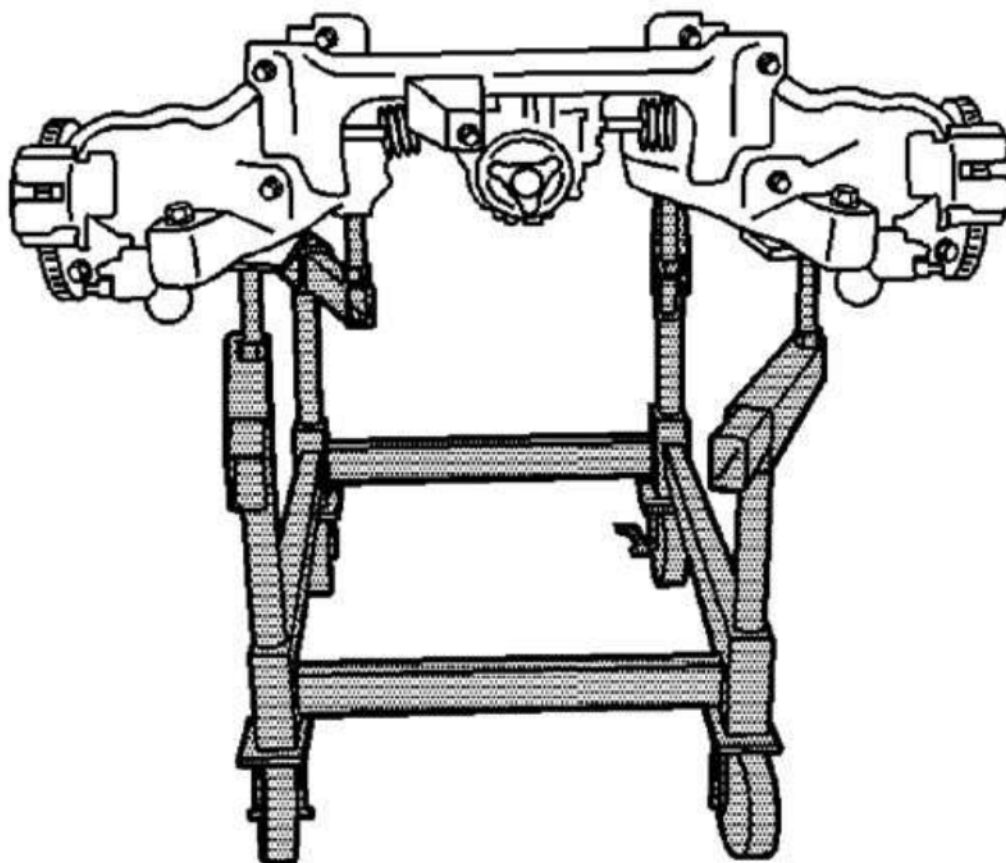


Fig. 35: View Of Support Table
Courtesy of GENERAL MOTORS CORP.

22. Carefully raise the vehicle from the rear frame assembly.
23. Secure the frame to the support table.
24. Remove the following components from the rear frame.
 - **Rear Position Sensor Replacement - Electronic Suspension** in Electronic Suspension Controls (ESC)
 - **Lower Control Arm Replacement**
 - **Upper Control Arm Replacement**
 - The rear brake pipes
 - **Park Brake Cable Replacement - Left Rear** or **Park Brake Cable Replacement - Right Rear** in Park Brake
 - **Stabilizer Shaft Replacement**

- Adjustment Link Replacement
- Trailing Arm Replacement
- Stabilizer Shaft Link Replacement
- Brake Caliper Replacement - Rear (JL9, JE5) in Disc Brakes
- Brake Rotor Replacement - Rear in Disc Brakes
- Differential Replacement in Drive Axle

25. With the aid from an assistant, remove the frame from the engine support fixture.

Installation Procedure

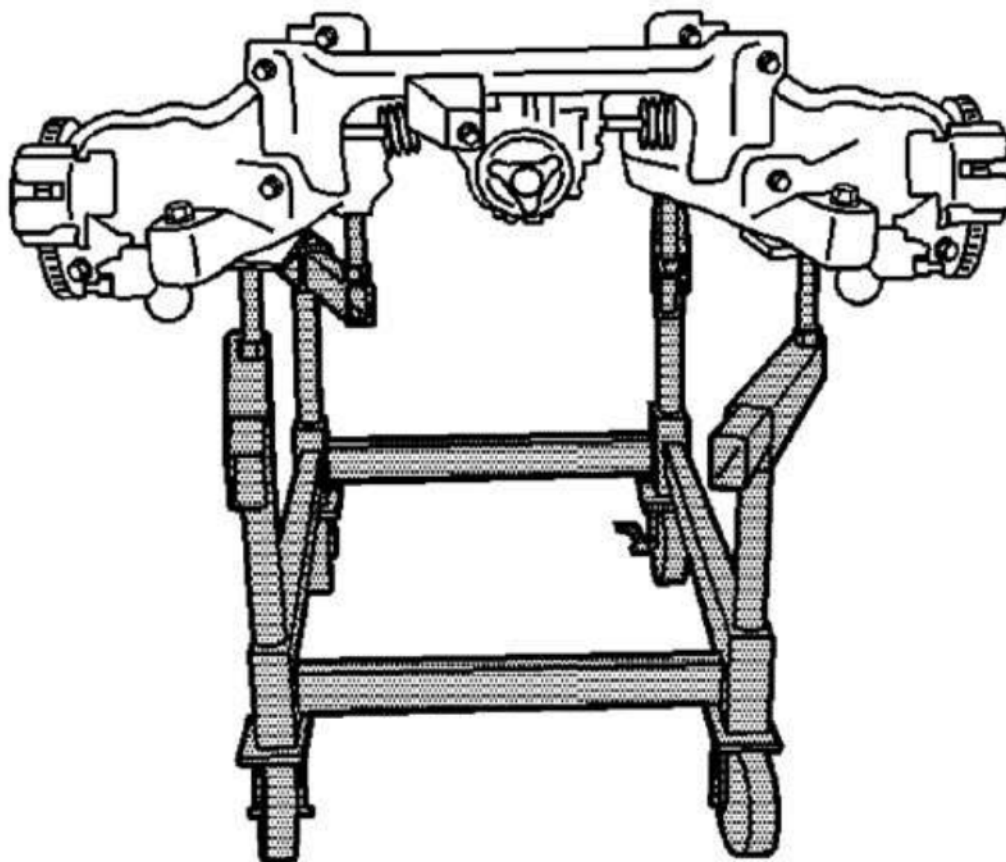


Fig. 36: View Of Support Table
Courtesy of GENERAL MOTORS CORP.

1. With the aid from an assistant, position and secure the new rear frame (2) on the engine support fixture.

2. Install the following components to the rear frame assembly.

- **Differential Replacement** in Drive Axle
- **Brake Rotor Replacement - Rear** in Disc Brakes
- **Brake Caliper Replacement - Rear (JL9, JE5)** in Disc Brakes
- **Stabilizer Shaft Link Replacement**
- **Trailing Arm Replacement**
- **Adjustment Link Replacement**
- **Stabilizer Shaft Replacement**
- **Park Brake Cable Replacement - Left Rear** or **Park Brake Cable Replacement - Right Rear** in Park Brake
- The rear brake pipes
- **Upper Control Arm Replacement**
- **Lower Control Arm Replacement**
- **Rear Position Sensor Replacement - Electronic Suspension** in Electronic Suspension Controls (ESC)

IMPORTANT: The rear coil springs need to be indexed into the lower spring insulators prior to assembly.

3. Index the rear coil springs to the spring insulators.

IMPORTANT: Ensure the intermediate brake cable is clear of the front frame to body mount prior to securing the frame bolts.

4. Ensure the intermediate park brake cable is positioned over left side frame assembly on the left side.
5. Lower the vehicle to the frame.

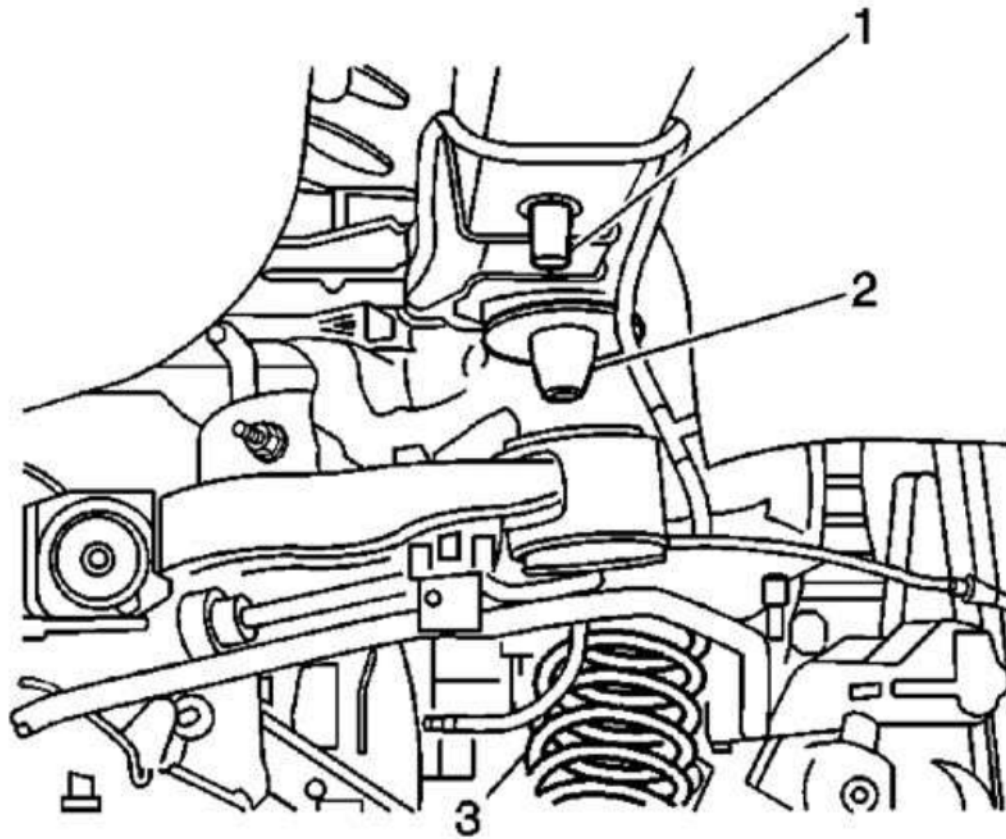


Fig. 37: View Of Rear Locator Sleeves, Upper Spring Insulator & Coil Springs
Courtesy of GENERAL MOTORS CORP.

6. Position the coil springs (3) to the upper spring insulator (2).
7. Index the rear side frame mounts to the rear locator sleeves (1) located on the body.
8. Lower the vehicle until the frame mounts contact the body rail.

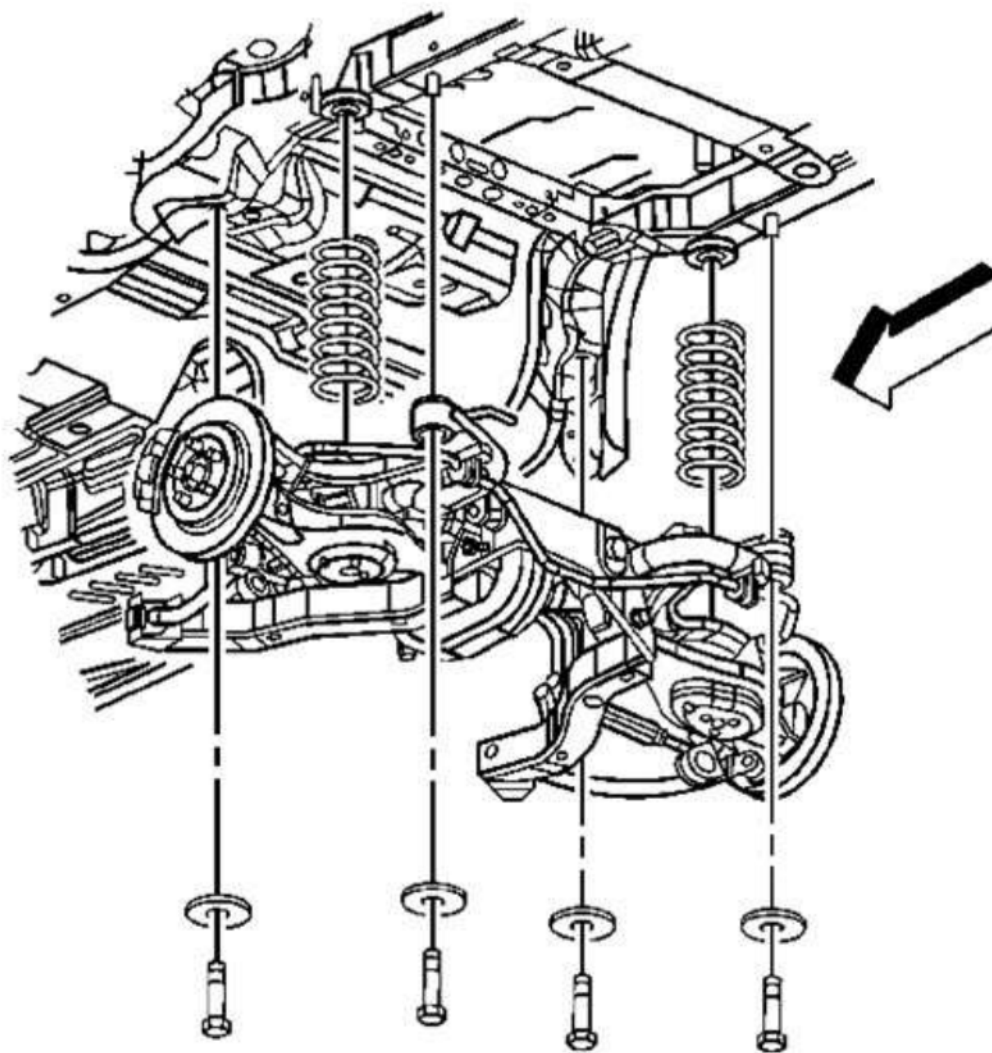


Fig. 38: View Of Frame-To-Body Mounting Bolts & Washers
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to Fastener Notice in Cautions and Notices.

9. Install the rear frame washers and anchor bolts.

Tighten:

- Tighten the front bolts to 265 N.m (195 lb ft).
- Tighten the rear bolts to 191 N.m (141 lb ft).

10. Raise the vehicle.
11. Remove the **J 39580** from under the vehicle. See **Special Tools**.

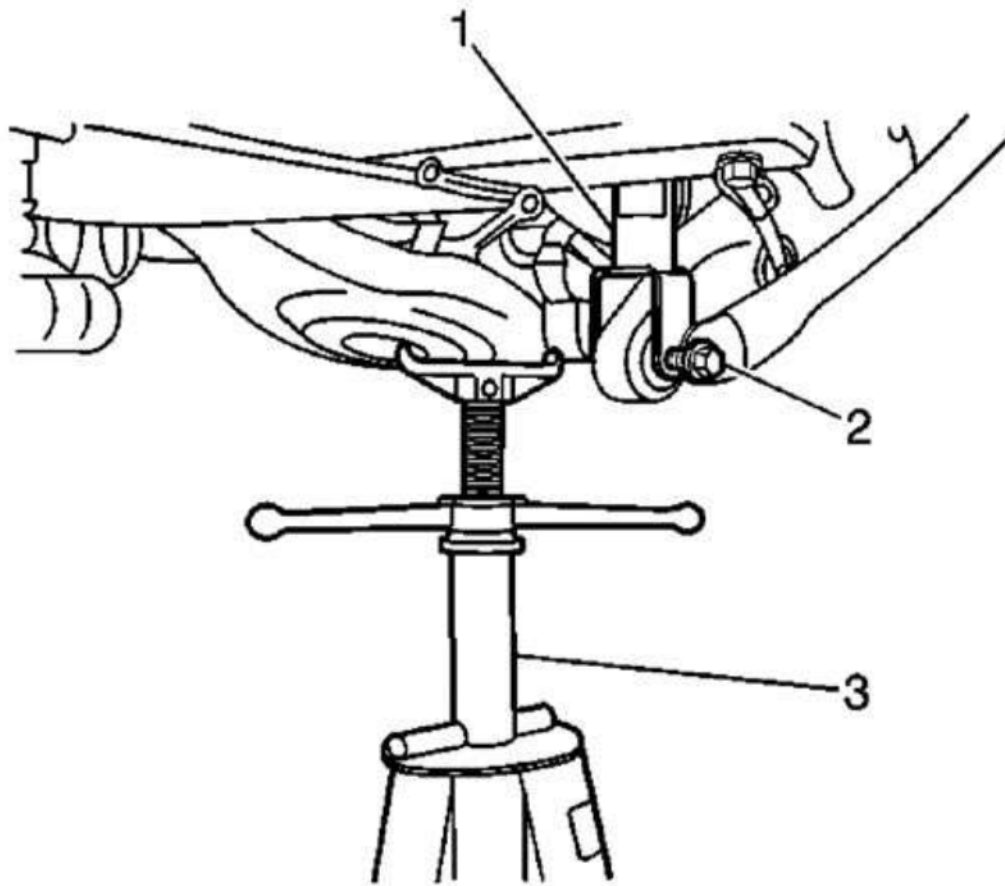


Fig. 39: Supporting Control Arm Using Support Fixture
Courtesy of GENERAL MOTORS CORP.

12. Install the support fixture (3) in order to raise the lower control arms for ease of lower shock bolt installation (2).
13. Install the lower shock bolt (2).

Tighten: Tighten the bolt to 150 N.m (111 lb ft).

14. Repeat step 13 for the other side.
15. Remove the support fixture (3).

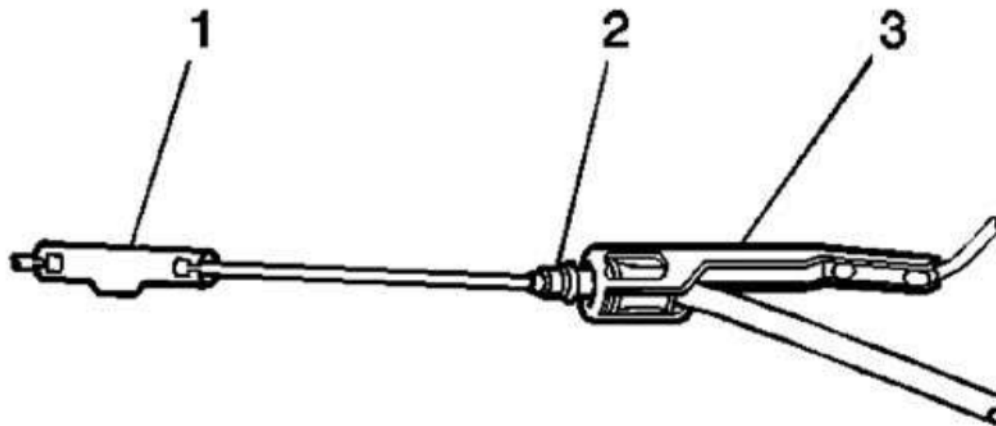


Fig. 40: View Of Rear Park Brake Cable Connector & Intermediate Park Brake Cable

Courtesy of **GENERAL MOTORS CORP.**

16. Connect the intermediate park brake cable (2) to the rear park brake cable connector (1).

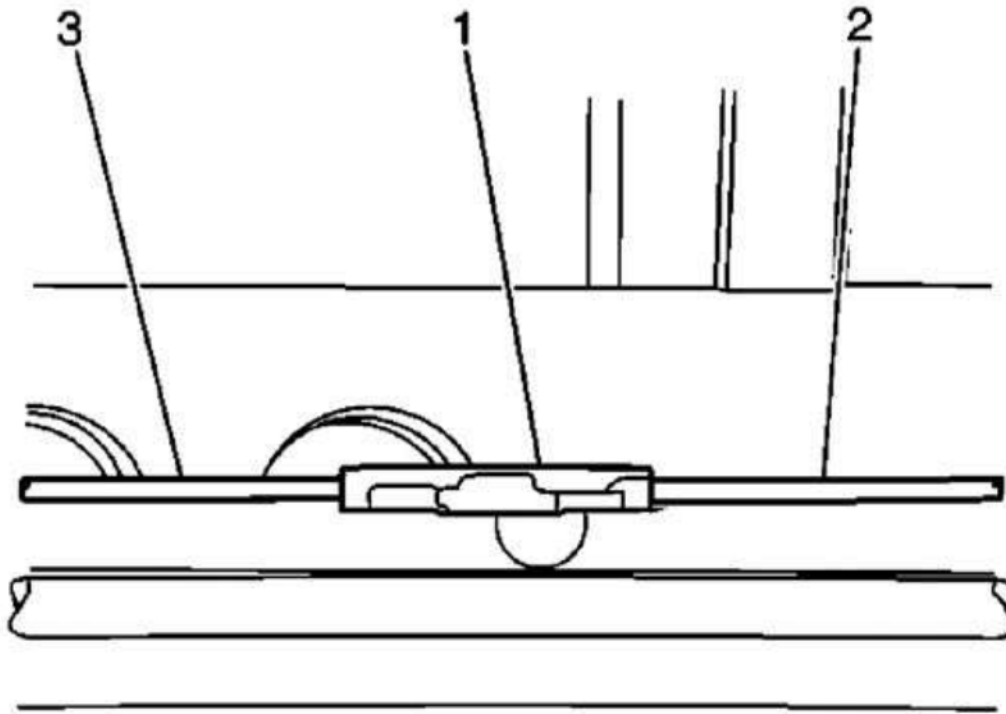


Fig. 41: View Of Park Brake Cable
Courtesy of GENERAL MOTORS CORP.

17. Connect the intermediate park brake cable (2) to the front park brake cable connector.

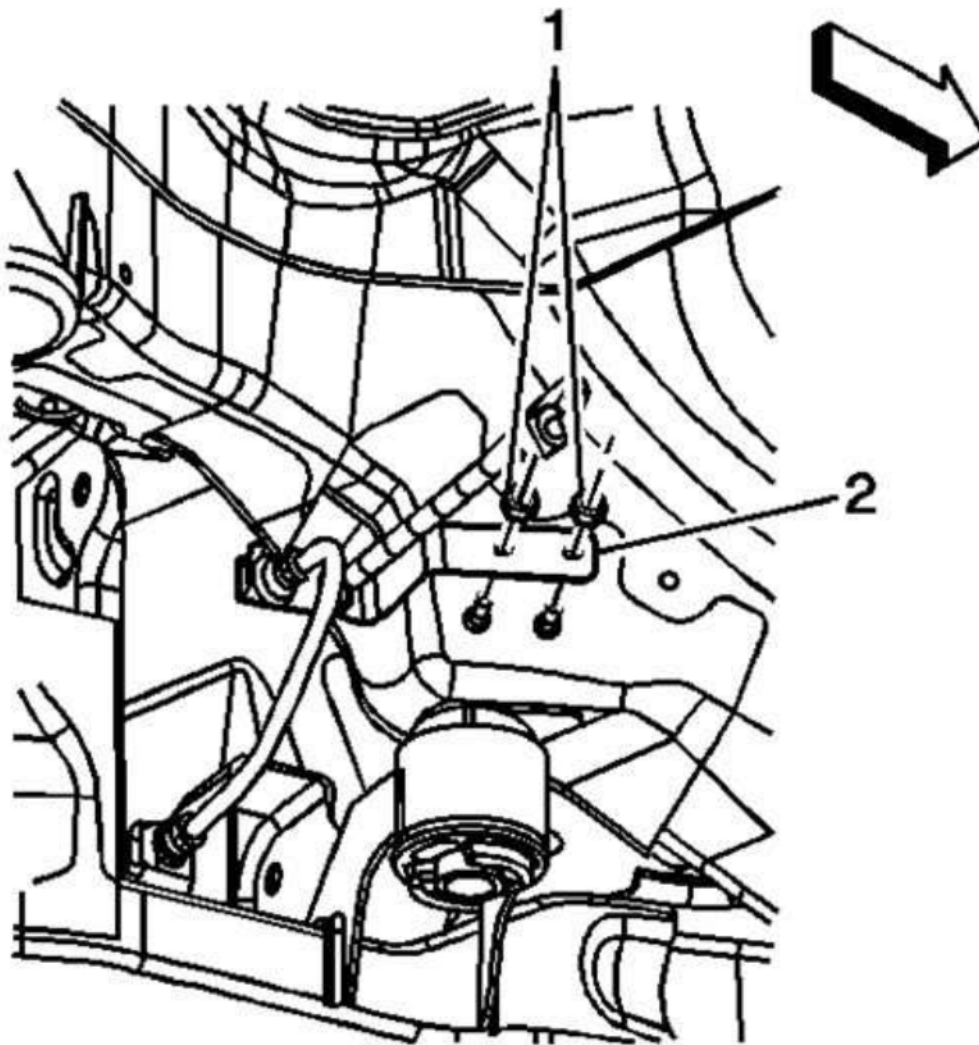


Fig. 42: View Of Intermediate Brake Hose Assembly & Mounting Nuts
Courtesy of GENERAL MOTORS CORP.

18. Position the brake pipe bracket (2) to the body studs.
19. Install the brake pipe bracket retaining nuts (1).

Tighten: Tighten the nuts to 10 N.m (89 lb in).

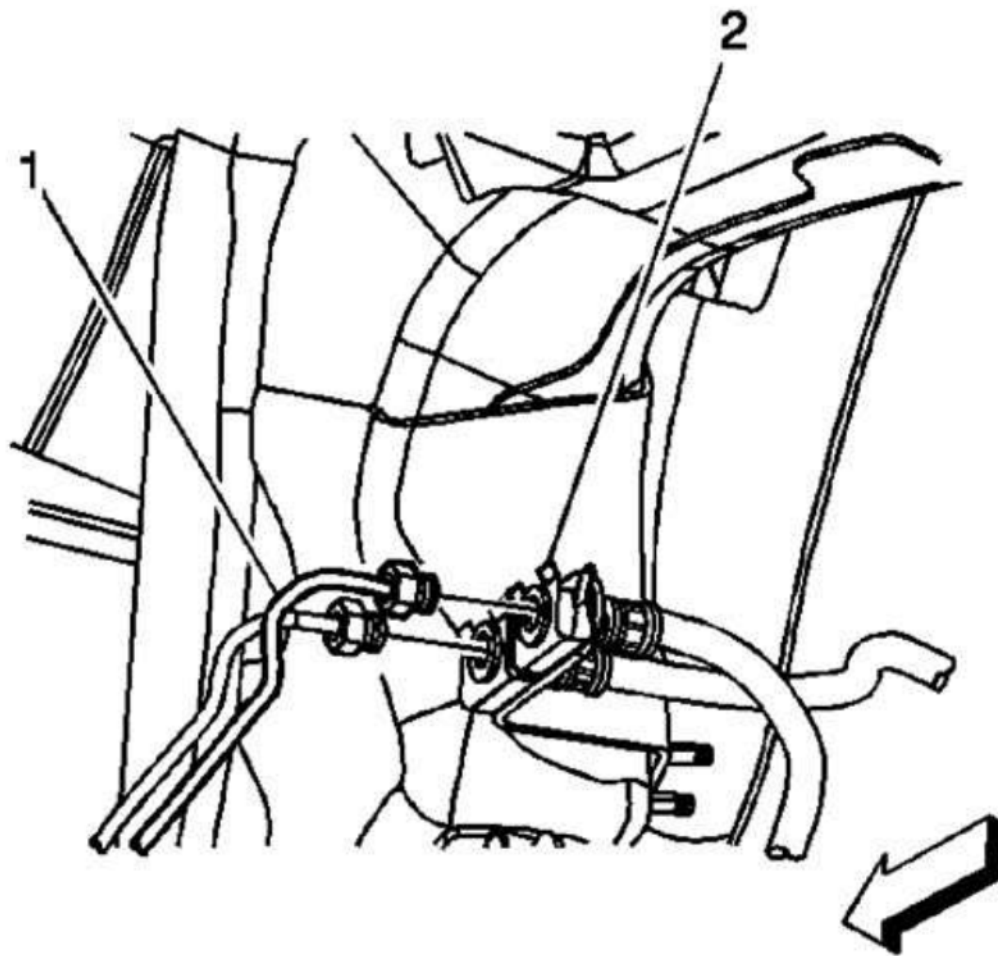


Fig. 43: View Of Rear Brake Pipe Lines
Courtesy of GENERAL MOTORS CORP.

20. Connect the rear brake lines (1) at the forward rear wheelhouse.

Tighten: Tighten the lines to 27 N.m (20 lb ft).

21. Connect the head lamp leveling sensor harness connector.
22. Connect the head lamp leveling wiring harness to the frame.
23. Connect the rear suspension position sensor harness connector.
24. Connect the rear suspension position sensor harness to the frame.
25. Connect the ABS wiring harness to the upper control arms.

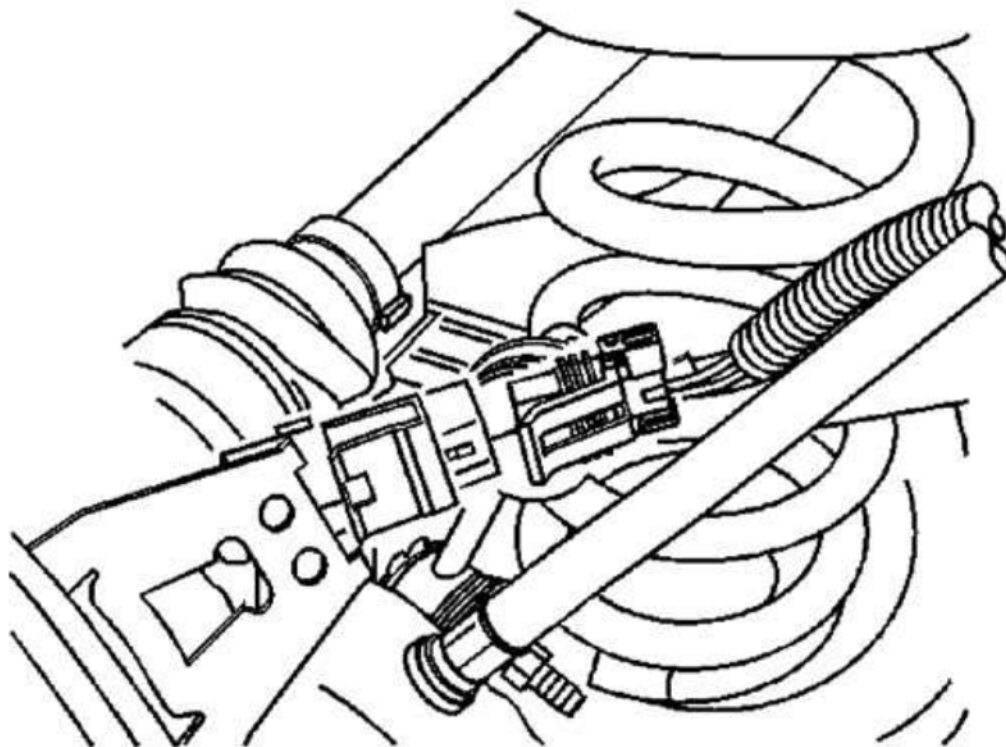


Fig. 44: View Of Rear Wheel Speed Sensor Electrical Connectors
Courtesy of GENERAL MOTORS CORP.

26. Connect the rear wheel speed sensor harness connectors.
27. Secure the electrical harness retainer clips to the park brake cables.
28. Install the propeller shaft to the differential. Refer to **Propeller Shaft Replacement - Rear (AWD)** or **Propeller Shaft Replacement - Rear (RWD)** in Propeller Shaft.
29. Install the exhaust system. Refer to **Exhaust System Replacement** in Engine Exhaust.
30. Install the rear wheels. Refer to **Tire and Wheel Removal and Installation** in Tires and Wheels.
31. Lower the vehicle.
32. Bleed the hydraulic brake system.
33. Align the vehicle. Refer to **Measuring Wheel Alignment** in Wheel Alignment.

TRANSMISSION SUPPORT REPLACEMENT

Removal Procedure

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.
2. Remove and support the exhaust from the catalytic converters. Refer to **Exhaust System Replacement** in Engine Exhaust.

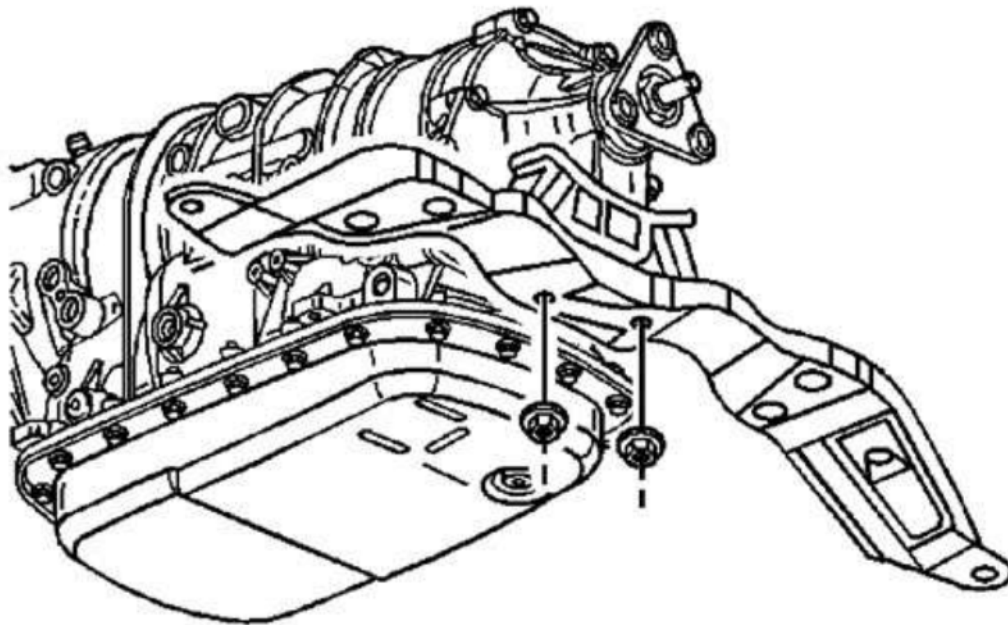


Fig. 45: View Of Transmission Mount Lower Mounting Nuts
Courtesy of GENERAL MOTORS CORP.

3. Remove the transmission mount lower mounting nuts.
4. Support the transmission with a screw jack and block of wood.

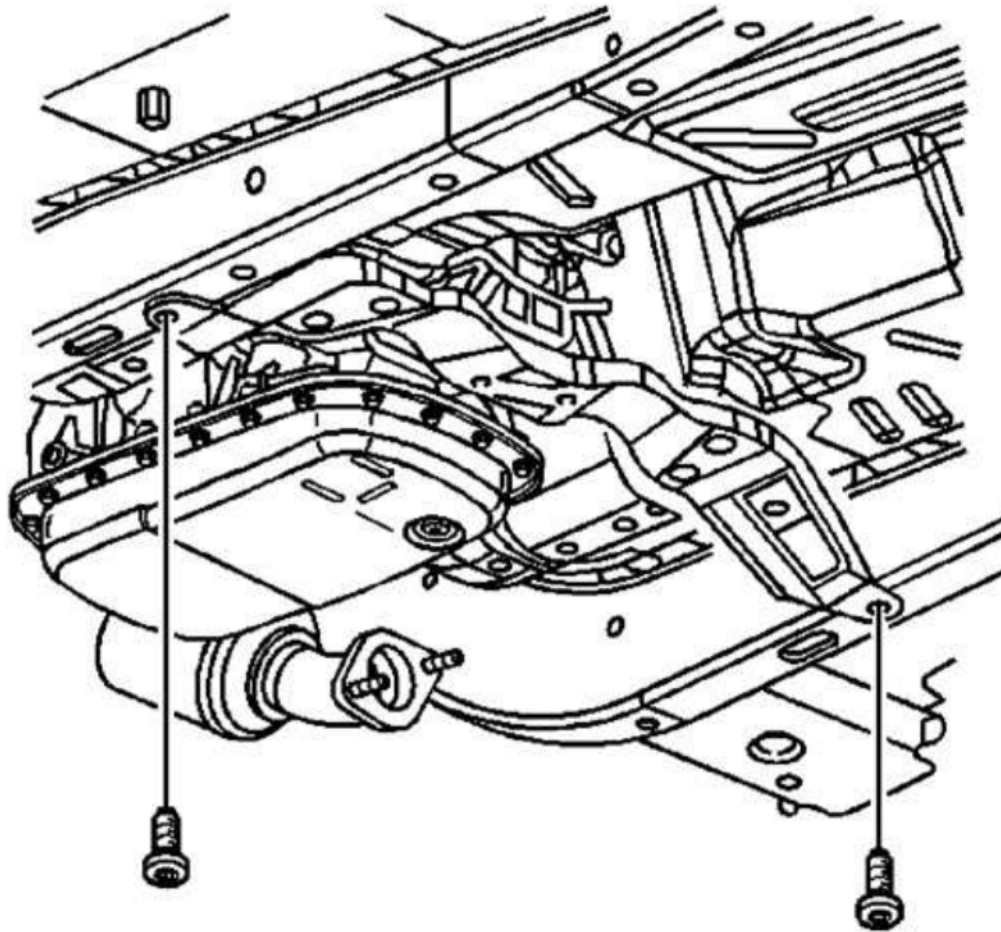


Fig. 46: View Of Outer Transmission Mounting Bolts
Courtesy of GENERAL MOTORS CORP.

5. Remove the outer transmission mounting bolts.

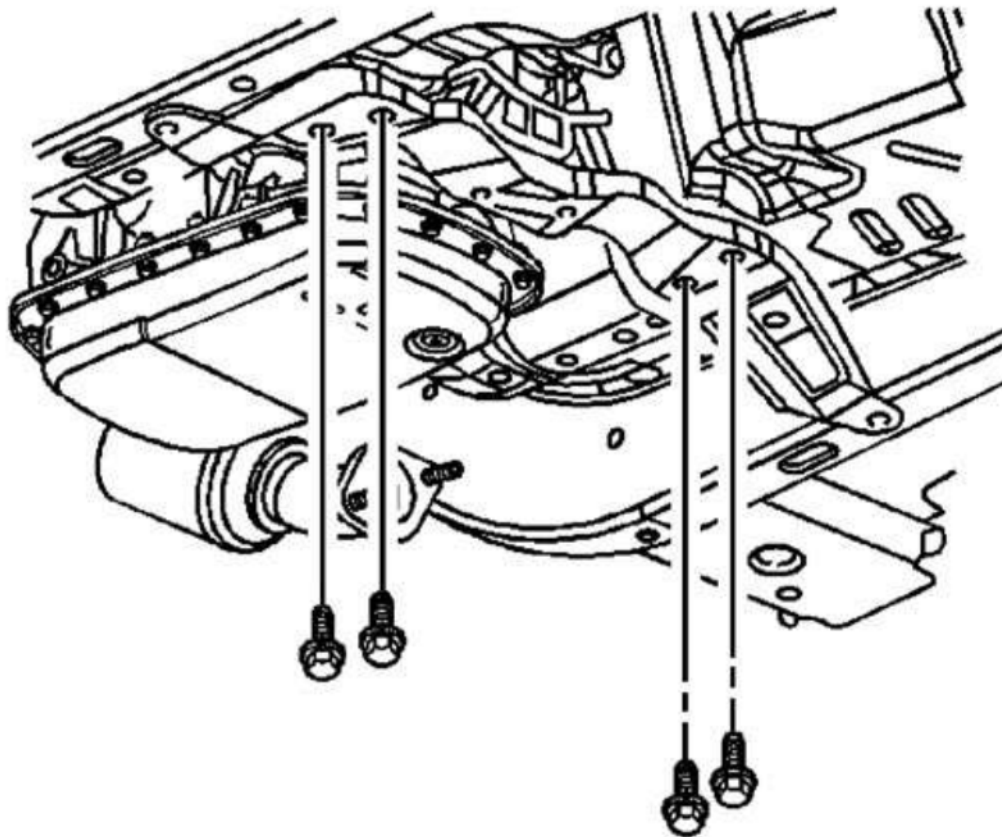


Fig. 47: View Of Inner Transmission Mounting Bolts
Courtesy of GENERAL MOTORS CORP.

6. Remove the inner transmission mounting bolts.

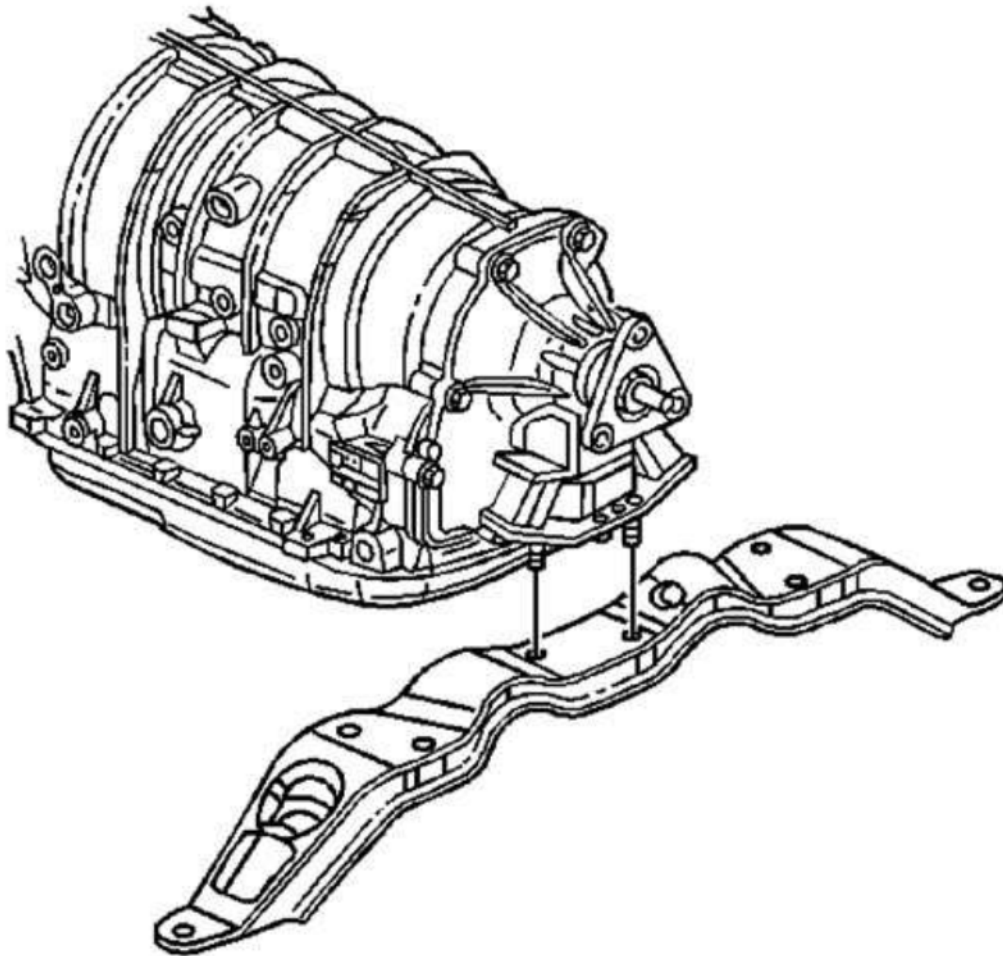


Fig. 48: View Of Transmission Support
Courtesy of GENERAL MOTORS CORP.

7. Remove the transmission support from the vehicle.

Installation Procedure

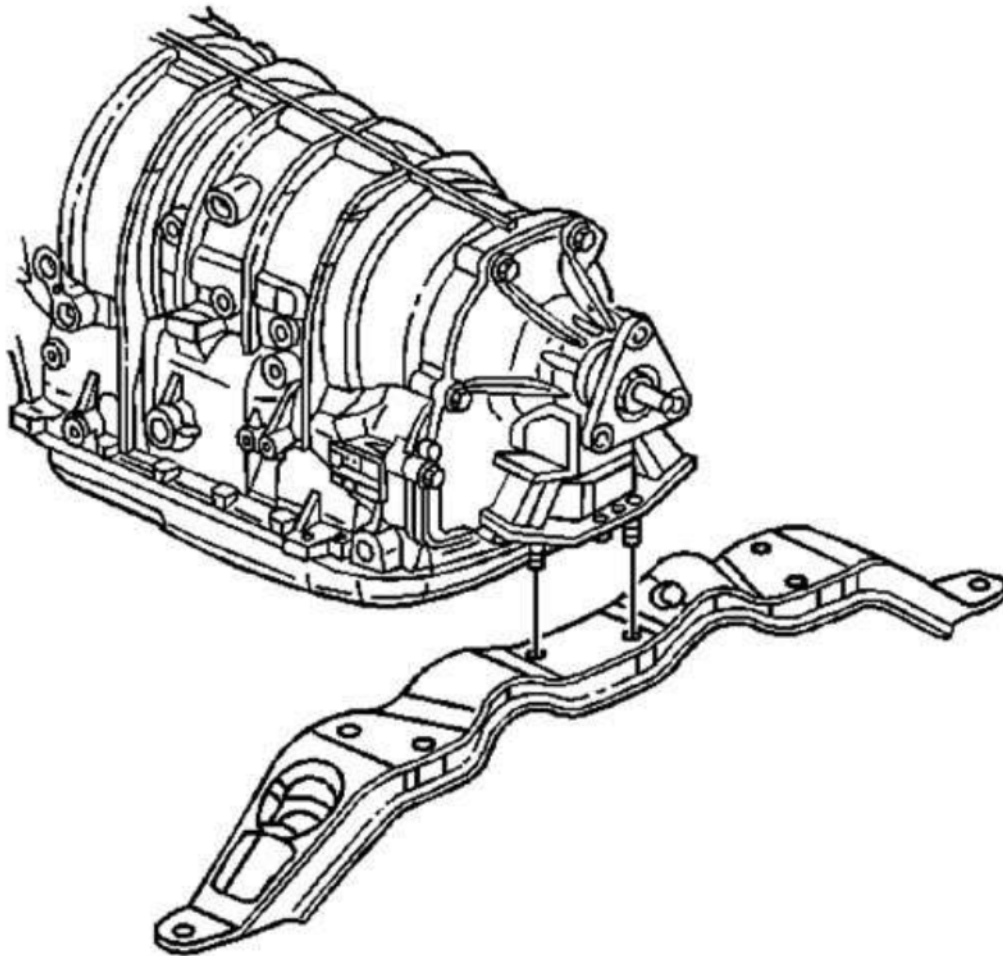


Fig. 49: View Of Transmission Support
Courtesy of GENERAL MOTORS CORP.

1. Install the transmission support to the vehicle.

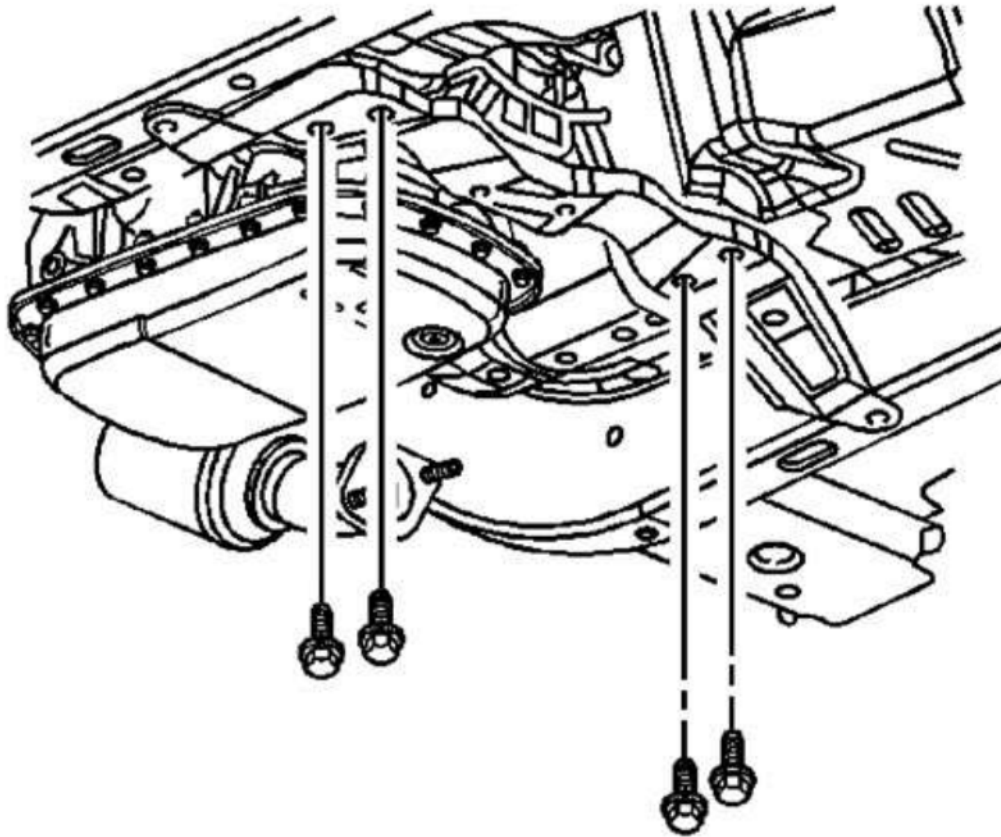


Fig. 50: View Of Inner Transmission Mounting Bolts
Courtesy of GENERAL MOTORS CORP.

2. Install the inner transmission support mounting bolts. Do not tighten at this time.

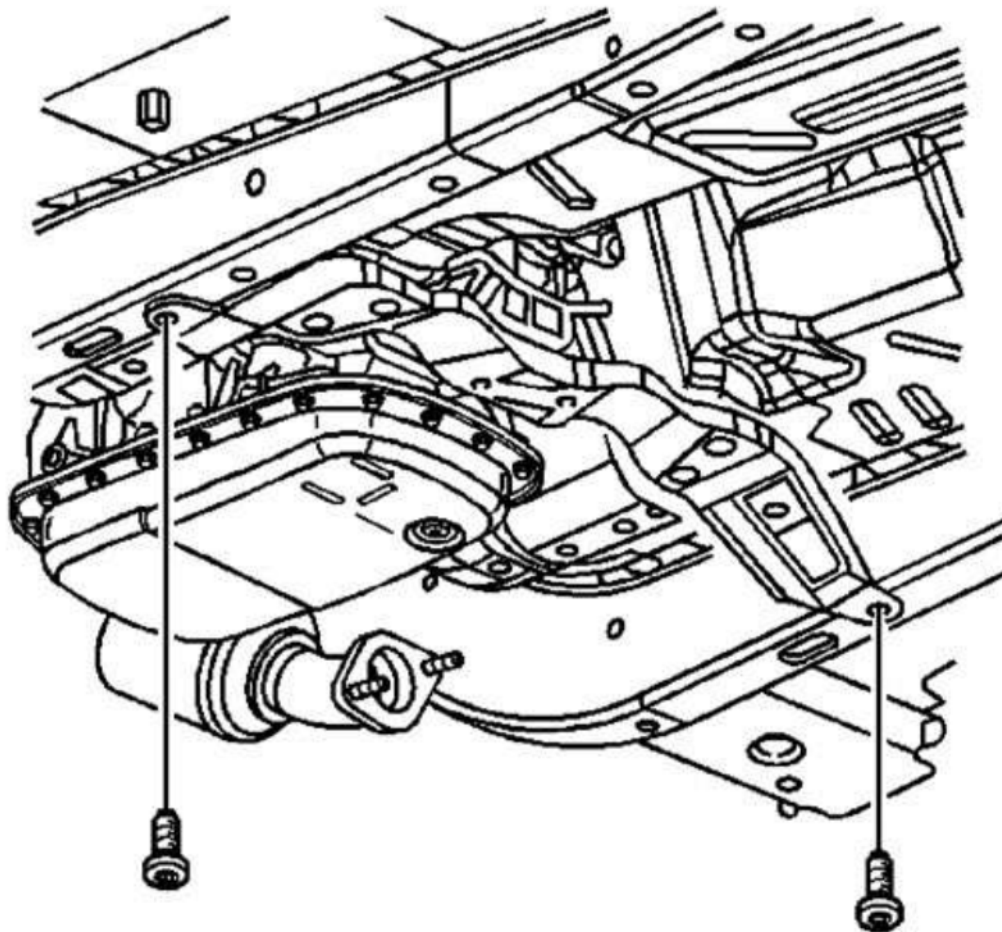


Fig. 51: View Of Outer Transmission Mounting Bolts
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to Fastener Notice in Cautions and Notices.

3. Install the outer transmission mounting bolts.

Tighten: Tighten all the support bolts to 60 N.m (44 lb ft).

4. Remove the screw jack.

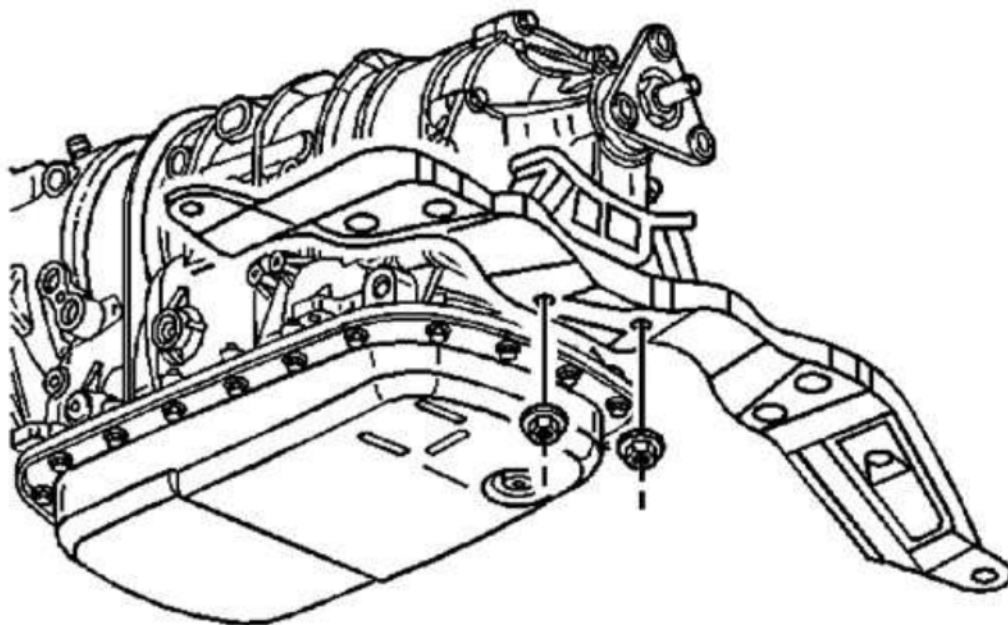


Fig. 52: View Of Transmission Mount Lower Mounting Nuts
Courtesy of GENERAL MOTORS CORP.

5. Install the transmission mount lower mounting nuts.

Tighten: Tighten the nuts to 60 N.m (44 lb ft).

6. Install the exhaust system to the catalytic converters. Refer to **Exhaust System Replacement** in Engine Exhaust.
7. Remove the support from the exhaust system.
8. Lower the vehicle.

TRAILER HITCH REPLACEMENT

Removal Procedure

1. Raise and support the vehicle. Refer to **Lifting and Jacking the Vehicle** in General Information.
2. Remove the spare tire.
3. Remove the rear fascia. Refer to **Fascia Replacement - Rear Bumper** in Bumpers.
4. Lower the exhaust system from the rear hangers and support.
5. Remove the automatic level control compressor with bracket. Refer to **Air Compressor**

Replacement in Automatic Level Control.

6. Support the trailer hitch with a suitable jack.
7. Remove the trailer hitch mounting bolts.
8. Remove the trailer hitch from the vehicle.

Installation Procedure

1. Position the trailer hitch to the vehicle using a jack to maintain the position.

NOTE: Refer to **Fastener Notice** in Cautions and Notices.

2. Install the trailer hitch mounting bolts.

Tighten: Tighten the bolts to 95 N.m (70 lb ft).

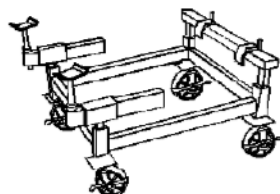
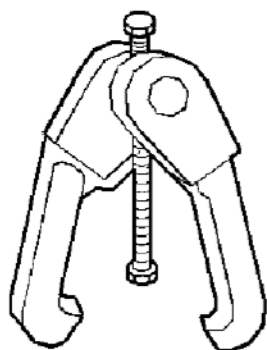
3. Install the automatic level control compressor with bracket. Refer to **Air Compressor Replacement** in Automatic Level Control.
4. Install the exhaust system the rear hangers.
5. On vehicles without a previously installed trailer hitch, carefully remove the perforated section for the trailer hitch from the rear fascia.
6. Install the rear fascia. Refer to **Fascia Replacement - Rear Bumper** in Bumpers.
7. Install the spare tire.
8. Lower the vehicle.

SPECIAL TOOLS AND EQUIPMENT**SPECIAL TOOLS****Special Tools**

Illustration	Tool Number/Description
	J 24319-B Steering Linkage and Tie Rod Puller

2005 Cadillac SRX

2005 ACCESSORIES & EQUIPMENT Frame and Underbody - SRX



J 39580
Engine Support Stand

J 43631
Ball Joint Remover