

2009 ACCESSORIES AND EQUIPMENT**Frame and Bumpers - Journey****BUMPERS****SPECIFICATIONS****FASTENER TORQUE****FASTENER TORQUE**

DESCRIPTION	N.m	Ft. Lbs.	In. Lbs.
Rear bumper reinforcement attaching nut	28	21	-
Front Crossmember to cradle bolts (3)	50	41	-
Front suspension crossmember frame rail torque boxes attaching bolts	135	100	-
Front suspension crossmember attaching front and rear	55	41	-
Fore/Aft crossmember anti roll through bolt	50	37	-
Radiator support crossmember attaching bolts	115	85	-
Shear bracket fasteners	55	41	-

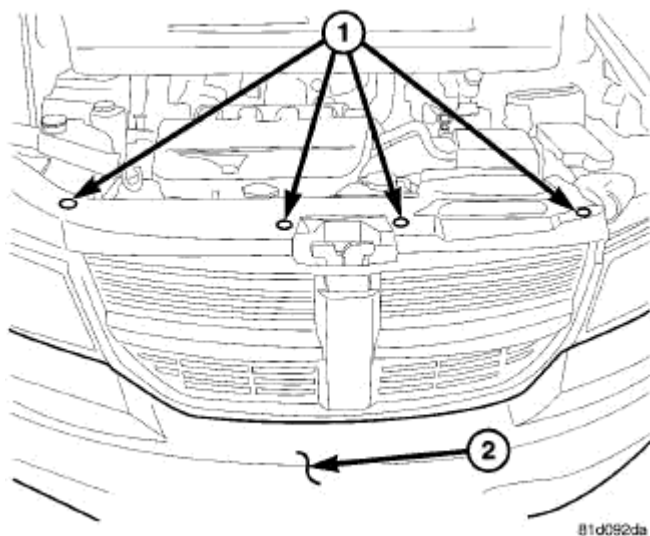
FASCIA, FRONT**Removal****REMOVAL**

Fig. 1: Pushpins

Courtesy of CHRYSLER LLC

1. Release hood latch and open hood.
2. Remove the pushpins for the fascia (2) at the radiator support.

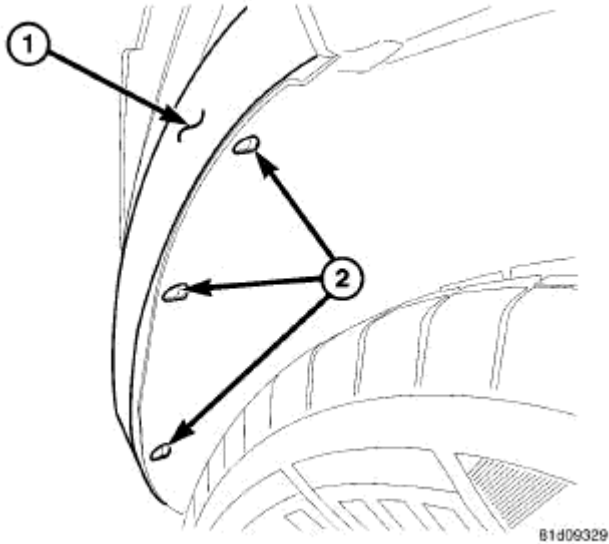


Fig. 2: Pop Rivets

Courtesy of CHRYSLER LLC

3. Hoist and support vehicle on safety stands. Refer to **Vehicle Quick Reference/Hoisting - Standard Procedure** for proper hoisting and jacking procedures.
4. Remove the pop rivets (2) at the wheel well opening.

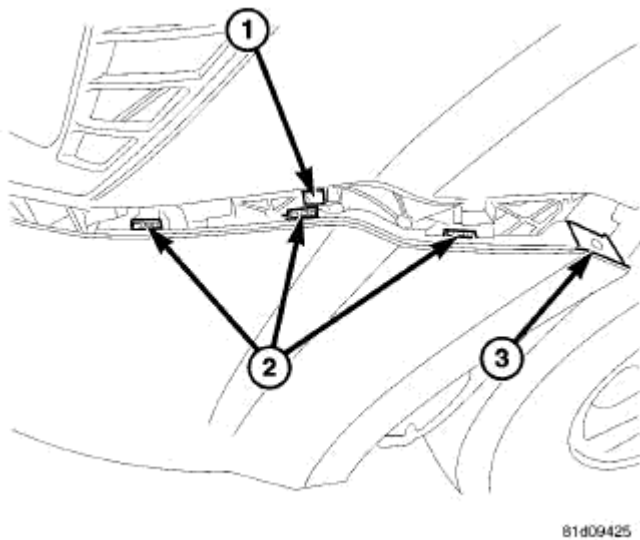
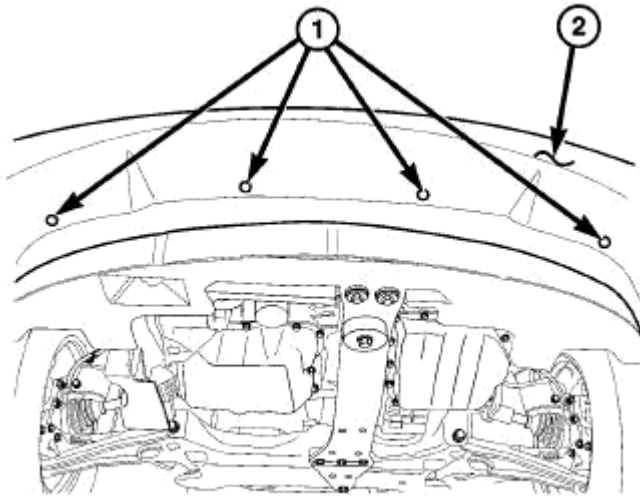


Fig. 3: Fascia Tabs & Bracket
Courtesy of CHRYSLER LLC

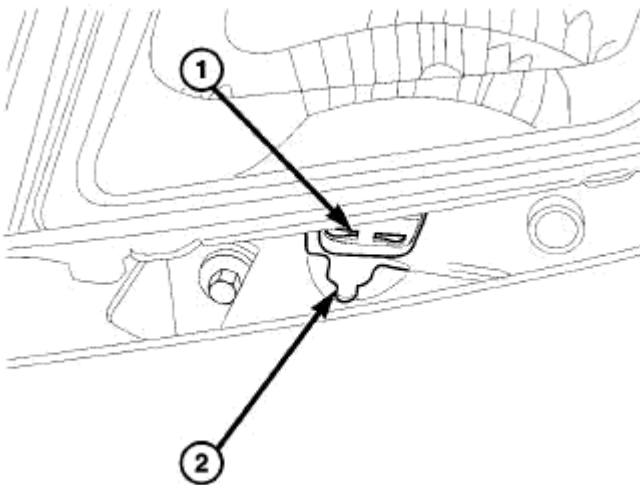
5. Remove the Torx® screw (3) at the wheel well housing.
6. Separate the fascia tabs (2) at the bracket (1).



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Fig. 4: Lower Pushpins
Courtesy of CHRYSLER LLC

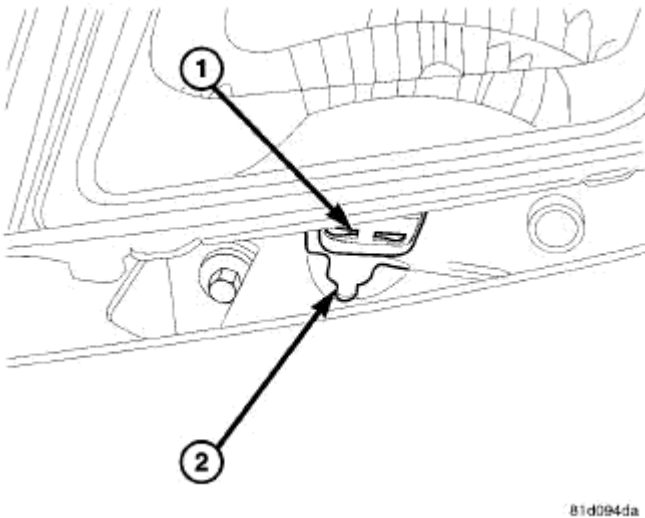
7. Remove the pushpins (1) for the fascia (2) at the lower closeout panel.



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Fig. 5: Fascia & Mounting Tab
Courtesy of CHRYSLER LLC

8. Slide the fascia (2) out from the mounting tab (1) under the headlamp.
9. Disengage fog lamp wire connector and side marker connector from body harness, if equipped.
10. Disengage the ambient temp sensor wire connector, if equipped.
11. Remove fascia from vehicle.

Installation**INSTALLATION**

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Fig. 6: Fascia & Mounting Tab
Courtesy of CHRYSLER LLC

1. Install the fascia to the vehicle.
2. Reconnect the ambient temp sensor wire connector, if equipped.
3. Reconnect the fog lamp wire connector and side marker connector from body harness, if equipped.
4. Slide the fascia (2) into the mounting tab (1) under the headlamp.

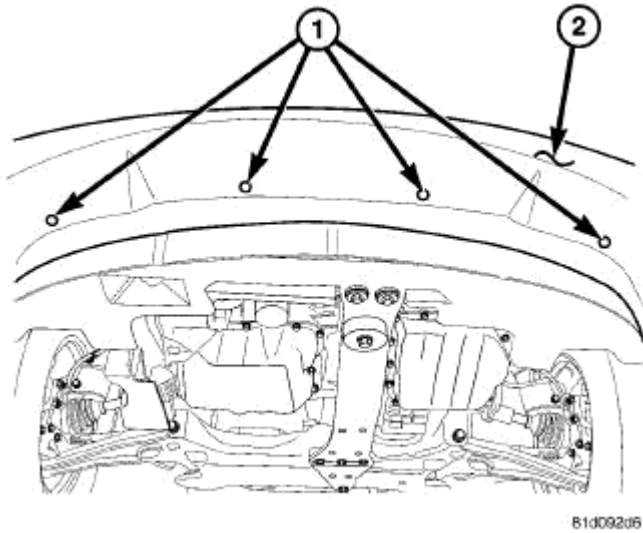


Fig. 7: Lower Pushpins

Courtesy of CHRYSLER LLC

5. Install the pushpins (1) for the fascia (2) at the lower closeout panel.

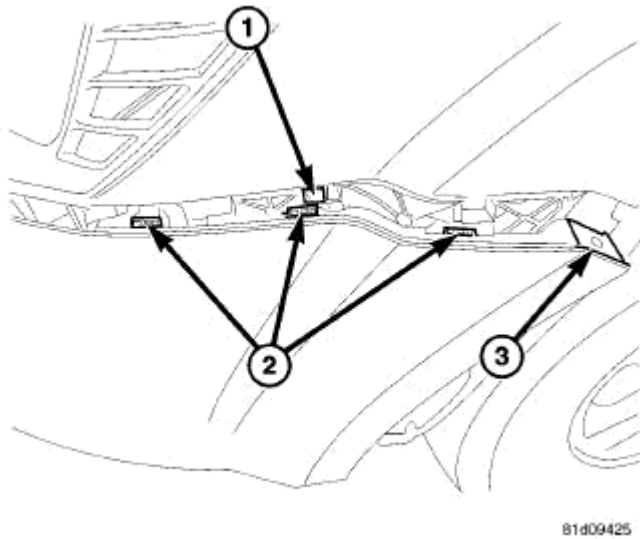


Fig. 8: Fascia Tabs & Bracket

Courtesy of CHRYSLER LLC

6. Insert and snap into place the fascia tabs (2) at the bracket (1).
7. Install the Torx® screw (3) at the wheel well housing.

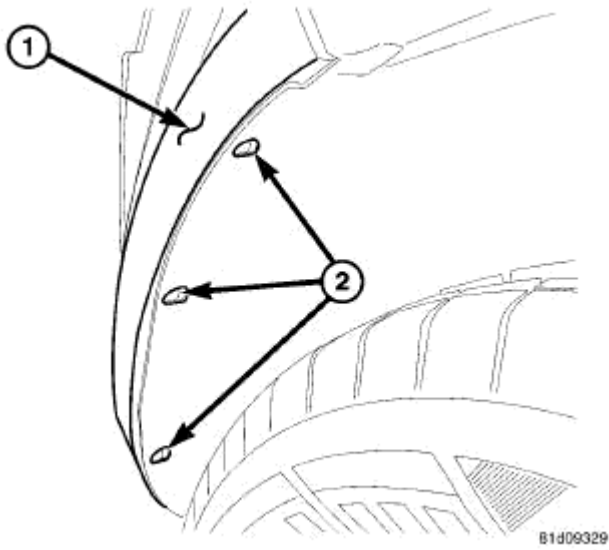


Fig. 9: Pop Rivets

Courtesy of CHRYSLER LLC

8. Install the pop rivets (2) at the wheel well opening.
9. Lower the vehicle.

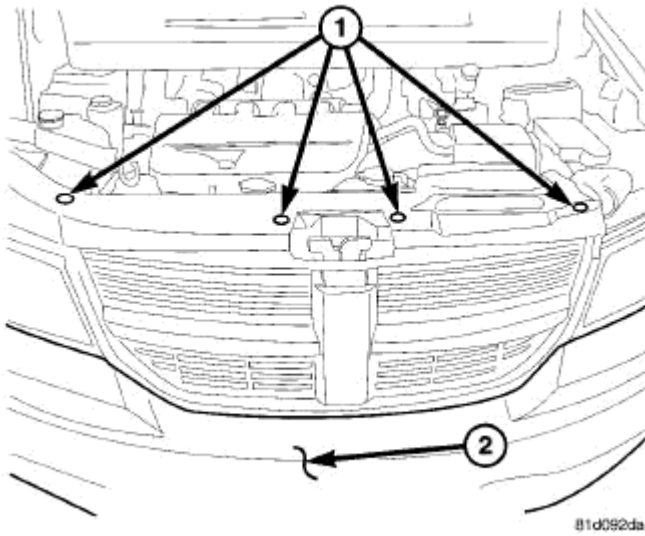


Fig. 10: Pushpins

Courtesy of CHRYSLER LLC

10. Install the pushpins for the fascia (2) at the radiator support.
11. Close the hood and check for proper fit.

FASCIA, FRONT LOWER, CLOSEOUT

Removal

REMOVAL

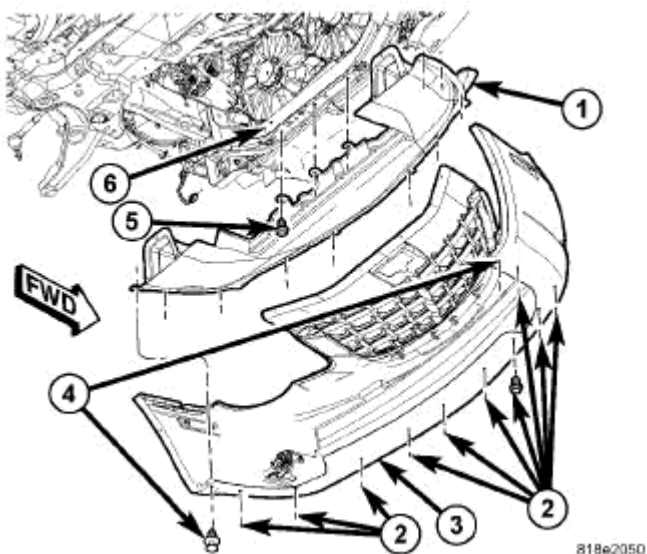


Fig. 11: Lower Fascia

Courtesy of CHRYSLER LLC

1. Remove fasteners (5) to lower closeout.

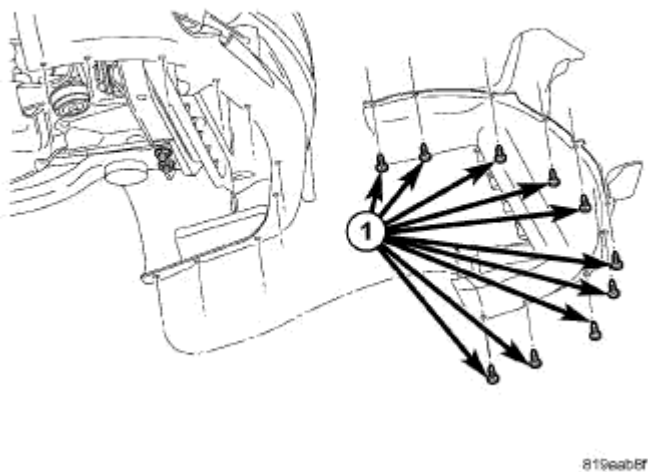


Fig. 12: Push Pins - Front Lower Fascia

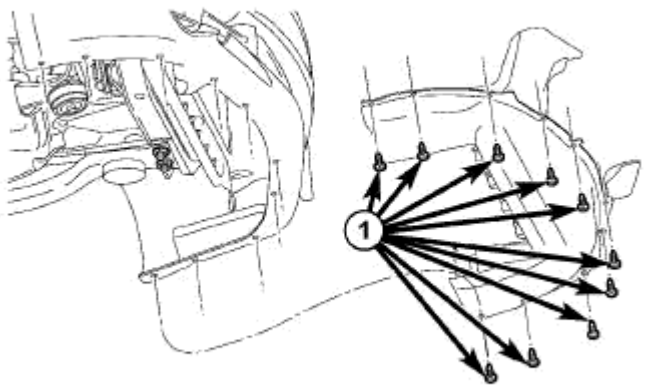
Courtesy of CHRYSLER LLC

2. Remove push pins (1) to lower closeout.

3. Remove the front lower fascia.

Installation

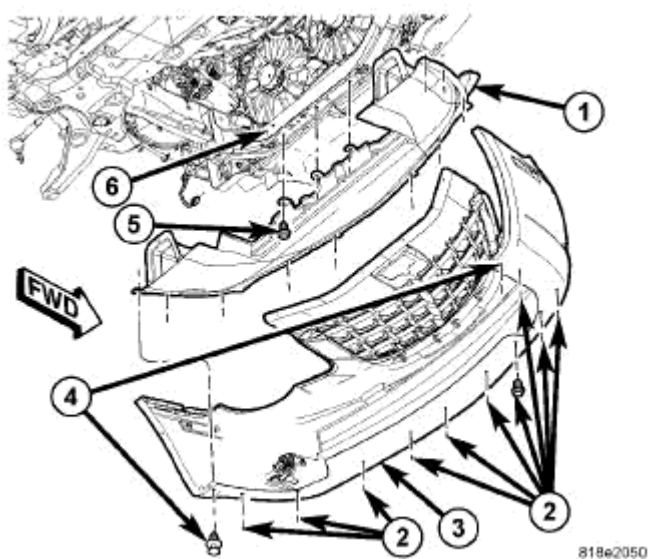
INSTALLATION



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Fig. 13: Push Pins - Front Lower Fascia
Courtesy of CHRYSLER LLC

1. Install the front lower fascia.
2. Install the push pins (1) to lower closeout.



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Fig. 14: Lower Fascia

Courtesy of CHRYSLER LLC

3. Install the fasteners (5) to lower closeout.

FASCIA, REAR

Removal

REMOVAL

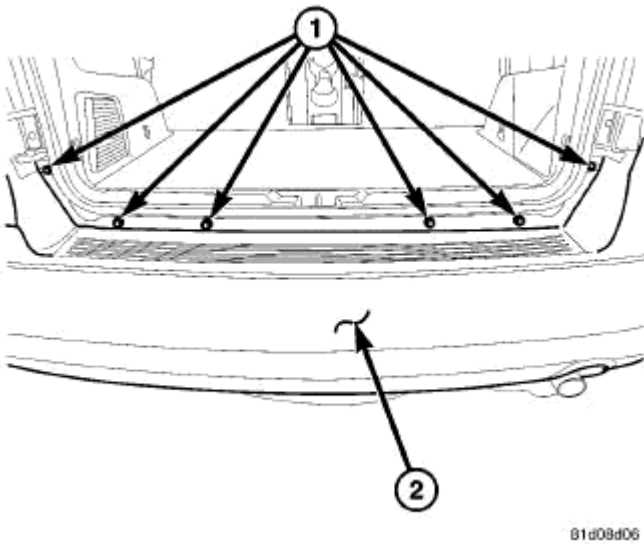


Fig. 15: Push Pins

Courtesy of CHRYSLER LLC

1. Open the hatch.
2. Remove the 6 pushpins (1) securing the fascia (2).

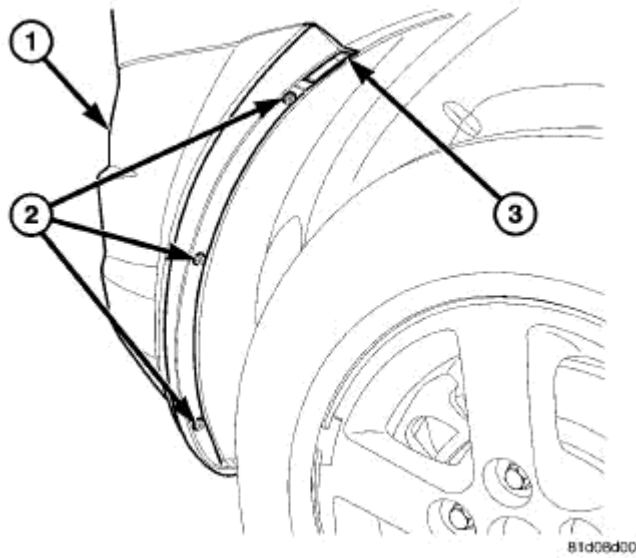


Fig. 16: Rivets

Courtesy of CHRYSLER LLC

3. Remove the rivets (2) and the Torx® screw (3) around the wheel well for the fascia (1).

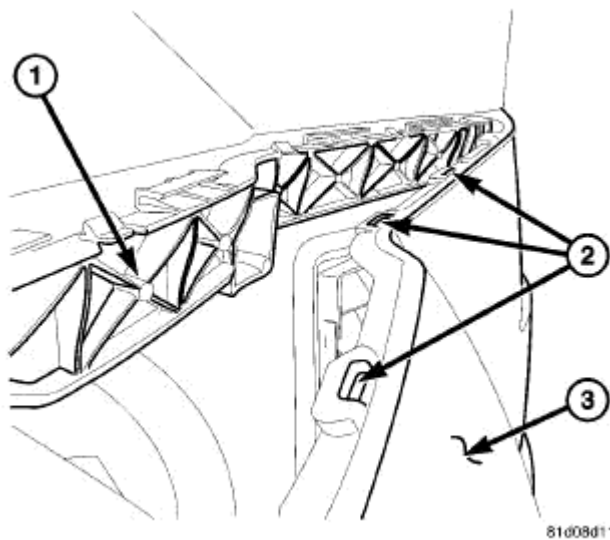


Fig. 17: Tabs, Fascia & Bracket

Courtesy of CHRYSLER LLC

4. Separate the tabs (2) securing the fascia (3) to the bracket (1).

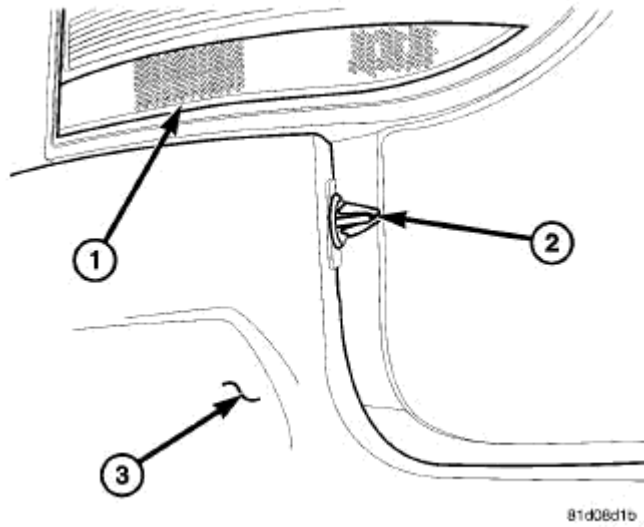


Fig. 18: Tail Light Push Pin
Courtesy of CHRYSLER LLC

5. Remove the push pin (2) under the taillight (1) to the fascia (3).
6. Remove fascia (3) from vehicle.

Installation

INSTALLATION

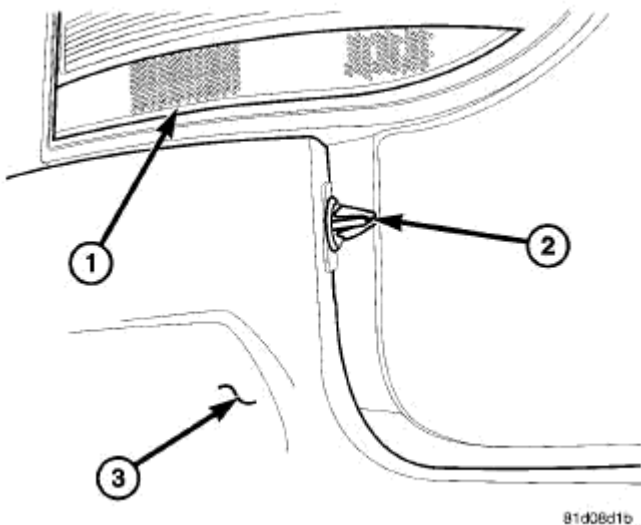


Fig. 19: Tail Light Push Pin
Courtesy of CHRYSLER LLC

1. Install the fascia (3) to the vehicle and install the pushpin (2) at the taillight (1) to the body.

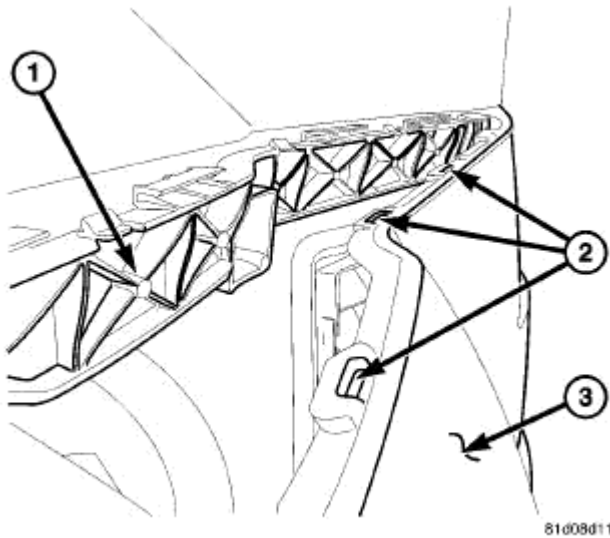


Fig. 20: Tabs, Fascia & Bracket
Courtesy of CHRYSLER LLC

2. Clip the fascia (3) into the tabs (2) to the bracket (1).

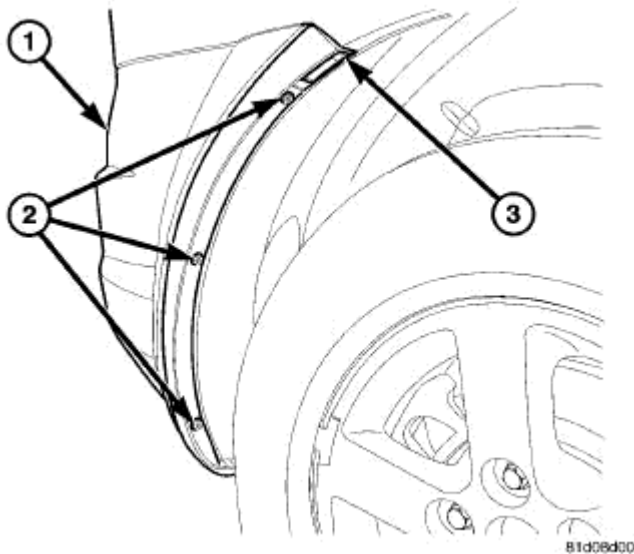


Fig. 21: Rivets
Courtesy of CHRYSLER LLC

3. Install the Torx® screw (3) for the fascia top the wheel opening and then install the pop rivets (2).



Courtesy of CHRYSLER LLC

- ## REINFORCEMENT, BUMPER, FRONT

REMOVAL



Courtesy of CHRYSLER LLC

1. Remove the front fascia. See **Removal** .
2. Support bumper reinforcement (3) on a suitable lifting device.
3. Mark the position of the bolts (1) on frame rail to aid in installation.
4. Remove the smaller bolts (2) attaching bumper reinforcement (3) to frame rail.
5. Remove the larger bolts (1) attaching bumper reinforcement (3) to frame rail.
6. Remove bumper reinforcement (3) from vehicle.

Installation

INSTALLATION

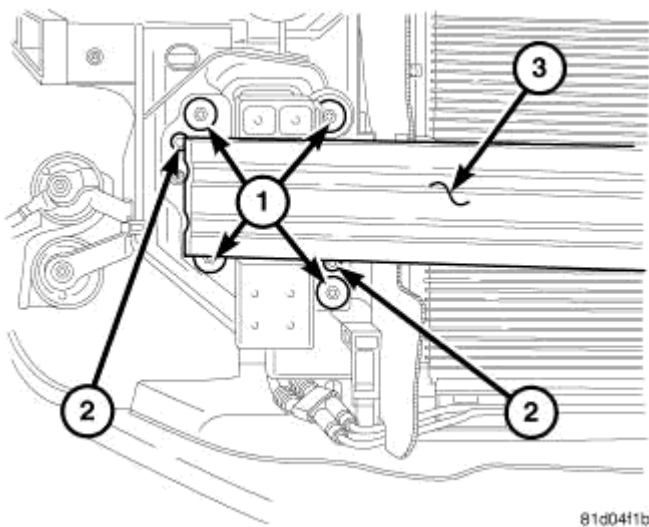


Fig. 24: Front Bumper Reinforcement
Courtesy of CHRYSLER LLC

1. Position the bumper reinforcement (3) on vehicle.

NOTE: Use marks made previously to properly position bumper reinforcement

2. Install the larger bolts (1) attaching bumper reinforcement (3) to frame rail. Tighten bolts (1) to 28 N.m (250 in. lbs.).
3. Install the smaller bolts (2) attaching bumper reinforcement (3) to frame rail.
4. Install front fascia. See **Installation** .

REINFORCEMENT, BUMPER, REAR

Removal

REMOVAL

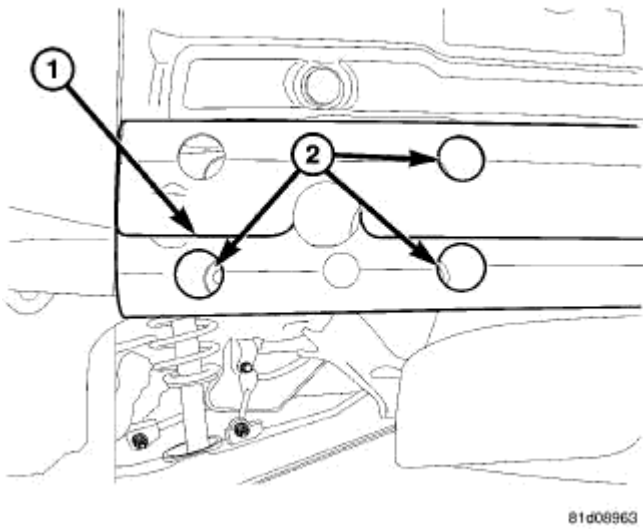


Fig. 25: Rear Bumper Reinforcement
Courtesy of CHRYSLER LLC

1. Remove rear fascia. See **Removal** .
2. Support bumper reinforcement (1) on a suitable lifting device.
3. Mark position of bolts (2) on frame rail to aid in installation.
4. Remove bolts (2) attaching rear bumper reinforcement (1) to frame rail.
5. Remove bumper reinforcement (1) from vehicle.

Installation

INSTALLATION

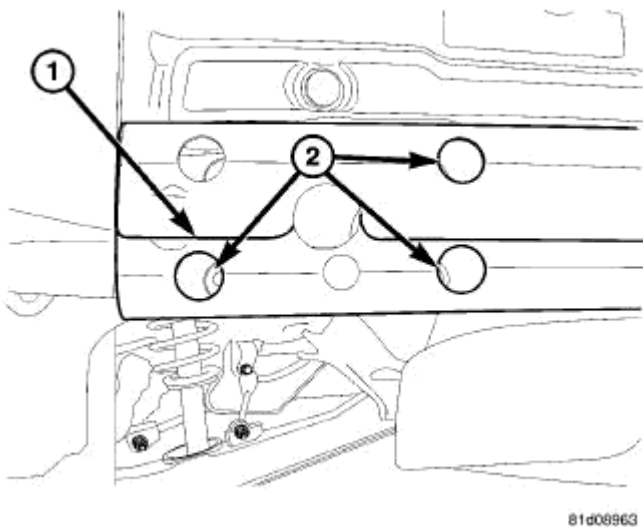


Fig. 26: Rear Bumper Reinforcement

Courtesy of CHRYSLER LLC

1. Position rear bumper reinforcement (1) on vehicle.
2. Install bolts (2) attaching bumper reinforcement to frame rail. Use marks made previously to properly position bumper reinforcement.
3. Tighten bolts (2) to 28 N.m (250 in. lbs.).
4. Install rear fascia. See **Installation** .

FRAME**SPECIFICATIONS****FRAME DIMENSIONS**

Frame dimensions are listed in metric scale. All dimensions are from center to center of Principal Locating Point (PLP), or from center to center of PLP and fastener location.

VEHICLE PREPARATION

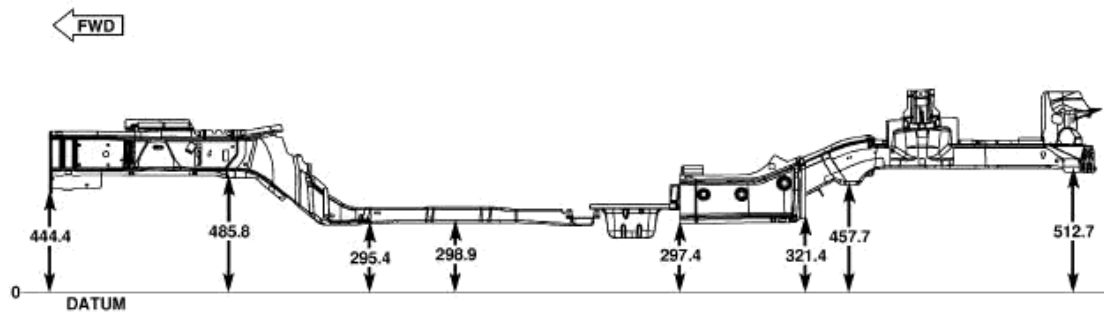
Position the vehicle on a level work surface. Using screw or bottle jacks, adjust the vehicle PLP heights to the specified dimension above a level work surface. Vertical dimensions can be taken from the work surface to the locations indicated were applicable.

VEHICLE PREPARATION INDEX

DESCRIPTION	FIGURE
FRAME DIMENSIONS - SIDE VIEW	<u>Fig. 27</u>
FRAME DIMENSIONS - BOTTOM VIEW	<u>Fig. 28</u>

2009 Dodge Journey R/T

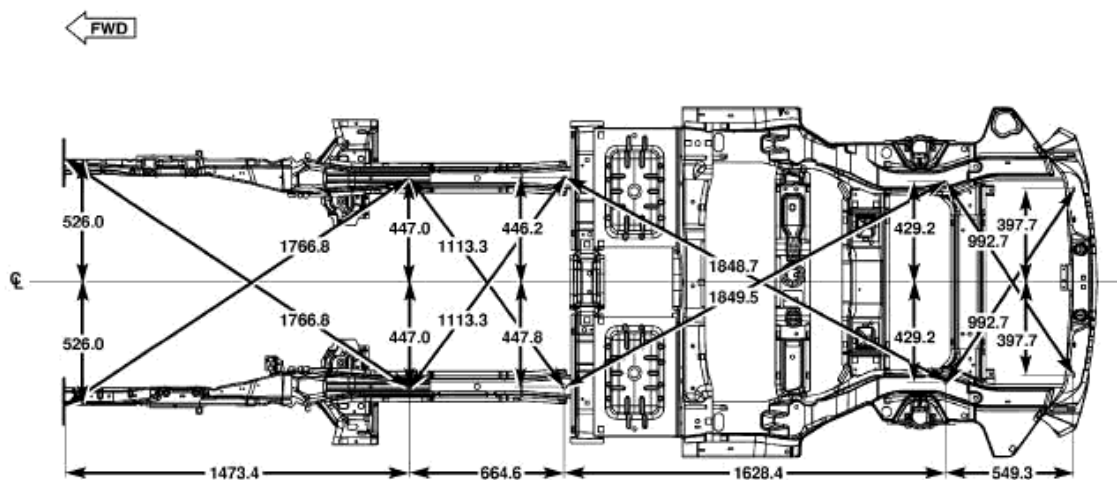
2009 ACCESSORIES AND EQUIPMENT Frame and Bumpers - Journey



ALL DIMENSIONS ARE IN MILLIMETERS

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Fig. 27: Frame Dimensions - Side View
Courtesy of CHRYSLER LLC



ALL DIMENSIONS ARE IN MILLIMETERS
MEASUREMENTS ARE FROM CENTER LINES OF HOLES (PLP'S)

9112667

Fig. 28: Frame Dimensions - Bottom View
Courtesy of CHRYSLER LLC

FASTENER TORQUE

FASTENER TORQUE

DESCRIPTION	N.m	Ft. Lbs.	In. Lbs.
Front Engine Mount Crossmember Mounting Bolts	50	37	-
Front Fore/Aft Crossmember Forward Mounting Bolts	55	41	-
Front Fore/Aft Crossmember Rearward Mounting Bolts	55	41	-
Front Suspension Crossmember Mounting Bolts	135	100	-
Front Suspension Crossmember Reinforcement Bracket Mounting Screws	55	41	-
Rear Suspension Crossmember Mounting Bolts	95	70	-
Rear Suspension Crossmember Reinforcement Bracket Mounting Nuts	50	37	-
Rear Suspension Crossmember Reinforcement Bracket Mounting Screws	55	41	-

CROSSMEMBER, FRONT FORE AND AFT

Removal

REMOVAL

1. Raise and support the vehicle. Refer to **Vehicle Quick Reference/Hoisting - Standard Procedure**.
2. If equipped, remove the engine belly pan.

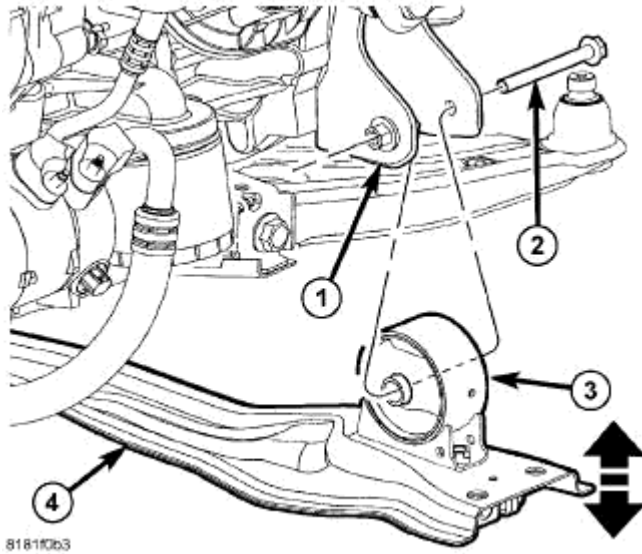


Fig. 29: Removing/Installing Fore/Aft Crossmember
Courtesy of CHRYSLER LLC

3. Remove the front engine mount thru-bolt (2).

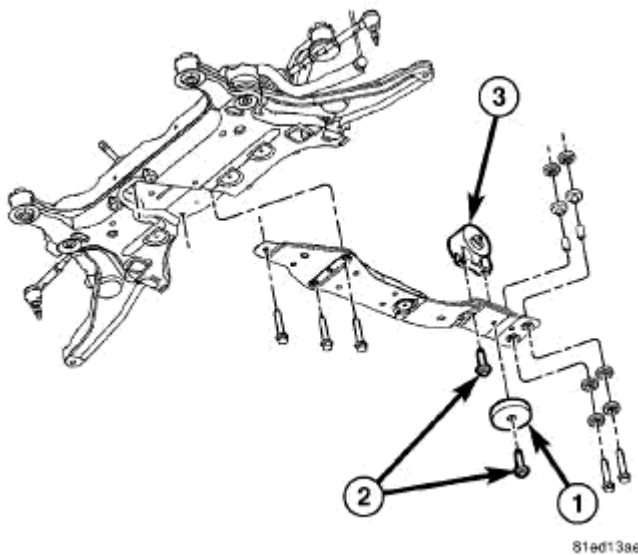


Fig. 30: Fore-Aft Crossmember Forward Mounting Bolts
Courtesy of CHRYSLER LLC

4. Remove the fore-aft crossmember forward mounting bolts at the radiator support.
5. Remove the fore-aft crossmember rearward mounting bolts at the crossmember.
6. Remove the fore-aft crossmember.
7. Remove the front engine mount mounting bolts (2) and damper (1). Remove the mount (3) from the crossmember.

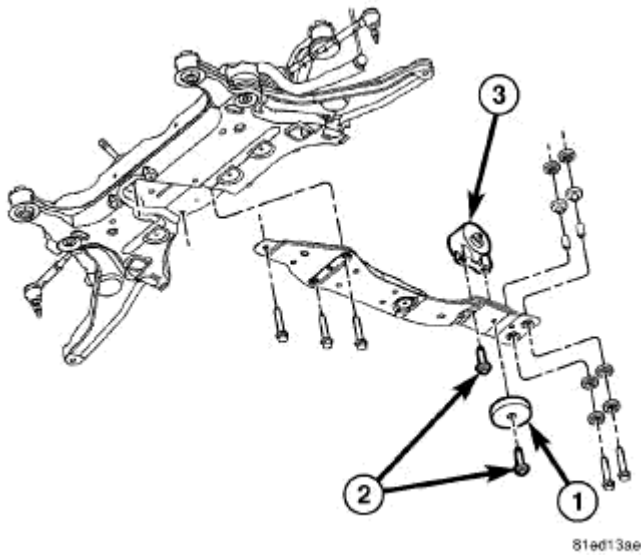
Installation**INSTALLATION**

Fig. 31: Fore-Aft Crossmember Forward Mounting Bolts
Courtesy of CHRYSLER LLC

1. Install the front engine mount (3) on the crossmember. Install the mounting bolts (2) and damper (1). Tighten the bolts to 50 N.m (37 ft. lbs.).
2. Position the fore-aft crossmember in the engine compartment and install the mounting bolts. Tighten the forward mounting bolts at the radiator support to 55 N.m (41 ft. lbs.). Tighten the rearward mounting bolts at the suspension crossmember to 55 N.m (41 ft. lbs.).

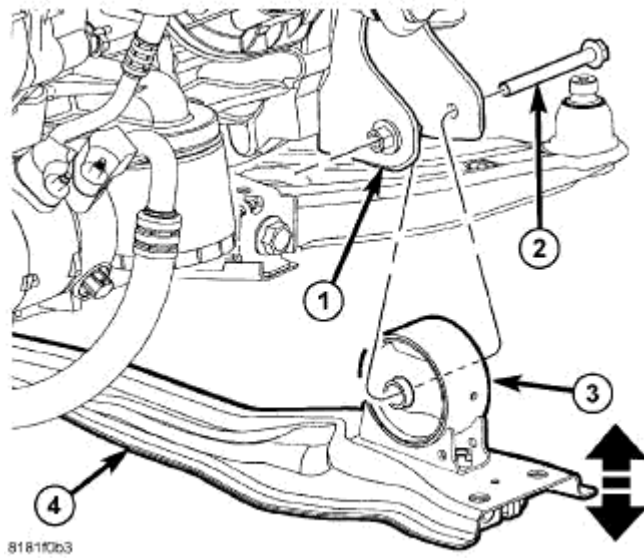


Fig. 32: Removing/Installing Fore/Aft Crossmember
Courtesy of CHRYSLER LLC

3. Install the front engine mount thru-bolt (4). Tighten the bolt to 60 N.m (44 ft. lbs.).
4. If equipped, install the engine belly pan.
5. Lower the vehicle.

CROSSMEMBER, FRONT SUSPENSION

Removal

REMOVAL

1. Raise and support the vehicle. Refer to **Vehicle Quick Reference/Hoisting - Standard Procedure** .

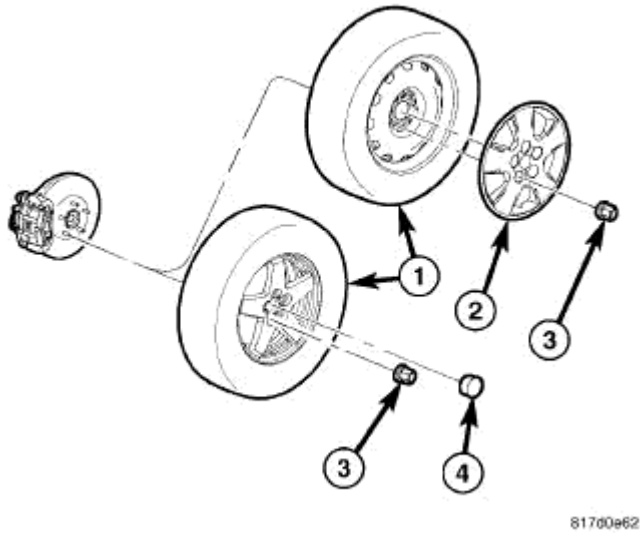


Fig. 33: Tire And Wheel Mounting
Courtesy of CHRYSLER LLC

2. On each side of the vehicle, remove the wheel mounting nuts (3), then the front tire and wheel assembly (1).

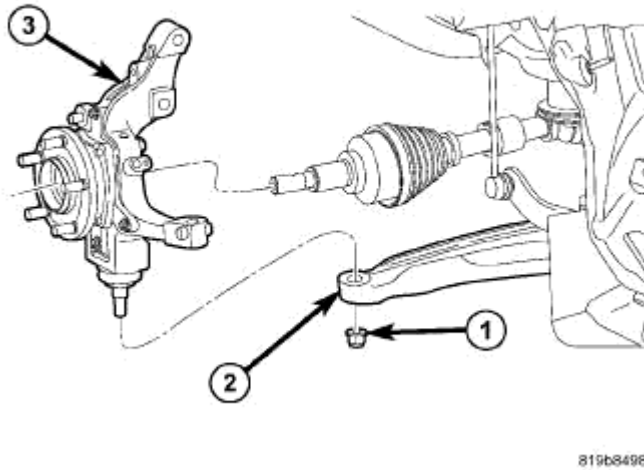


Fig. 34: Lower Ball Joint To Control Arm
Courtesy of CHRYSLER LLC

3. On each side of the vehicle, remove the nut (1) attaching the lower ball joint to the lower control arm (2).

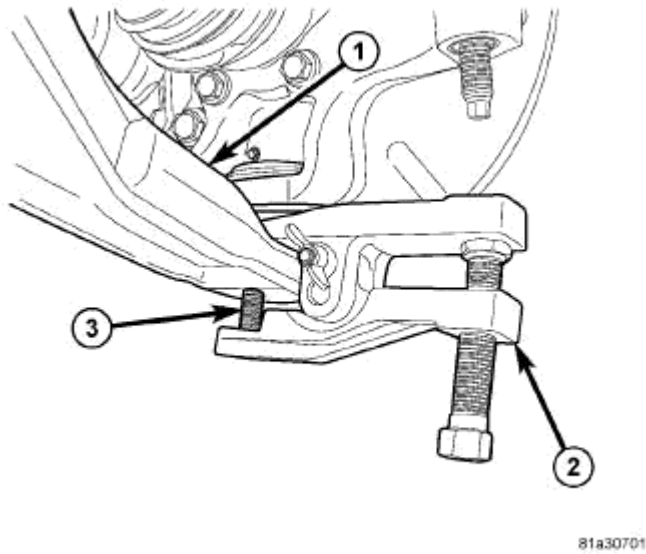


Fig. 35: Using 9360 On Lower Ball Joint
Courtesy of CHRYSLER LLC

4. On each side of the vehicle, release the lower ball joint (3) from the lower control arm (1) using Remover (2), Special Tool 9360. Do not lift the knuckle out of the lower control arm at this time.
5. If equipped, remove the engine belly pan.
6. Remove the fore/aft crossmember. See **Removal**.
7. Remove the rear engine mount. Refer to **Engine/Engine Mounting/INSULATOR, Engine Mount - Removal**.

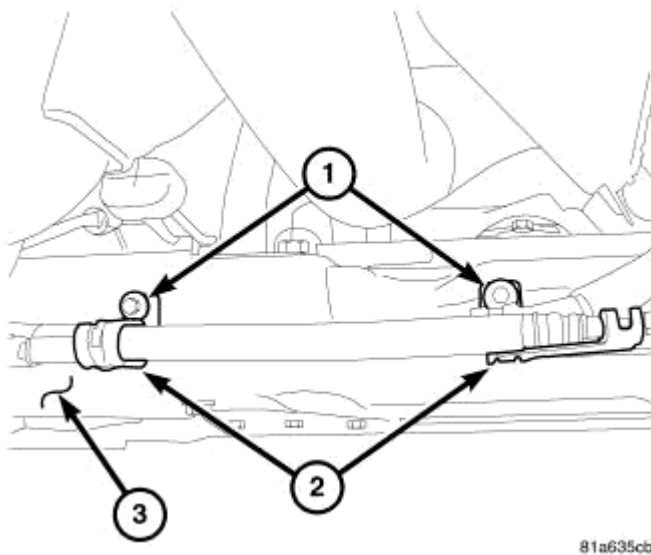


Fig. 36: Hoses At Rear Of Crossmember
Courtesy of CHRYSLER LLC

8. Remove the screws (1) securing the power steering hose routing clamps (2) to the rear of the

crossmember.

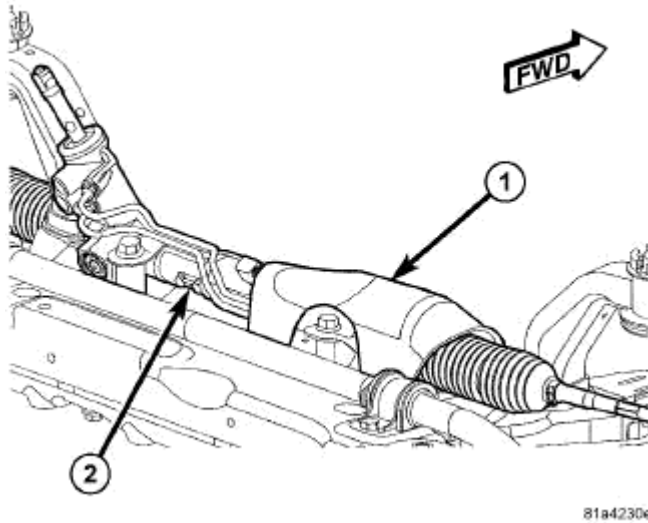


Fig. 37: Heat Shield Over Gear
Courtesy of CHRYSLER LLC

9. Remove the screws and push-pins securing the heat shield (1) over the right side of the steering gear (2).

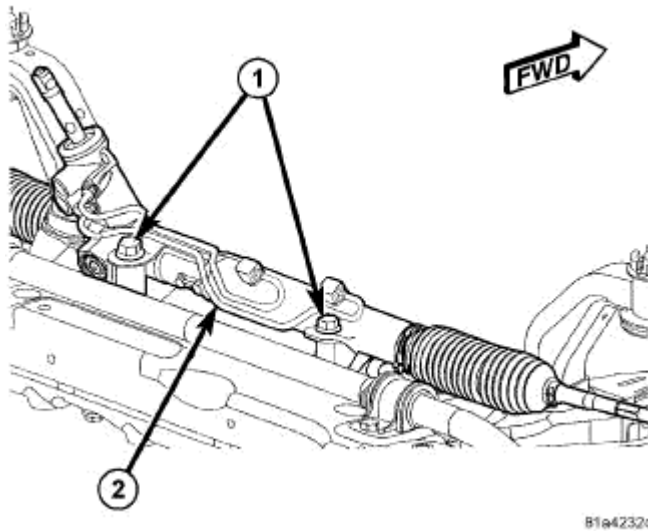


Fig. 38: Steering Gear Mounting
Courtesy of CHRYSLER LLC

10. Remove the two bolts (1) securing the steering gear (2) to the crossmember.
11. Support the steering gear using a bungee cord or other to keep the steering gear from lowering when the crossmember is lowered.

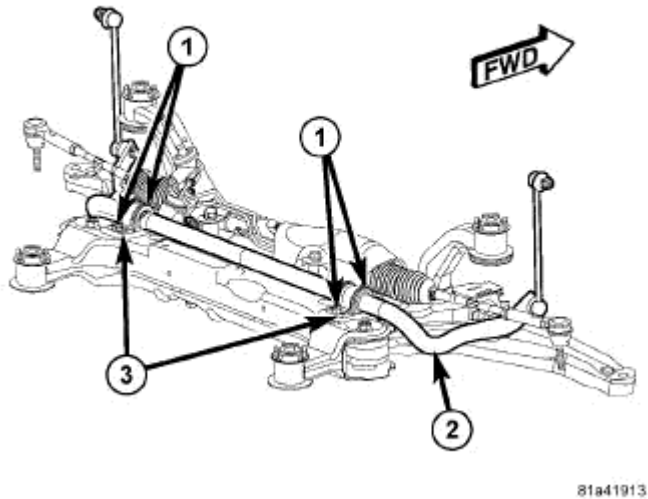


Fig. 39: Stabilizer Bar Mounting
Courtesy of CHRYSLER LLC

12. Remove the screws (1) securing the stabilizer bushing retainers (3) to the crossmember.

NOTE: Before lowering the front suspension crossmember, the location of the crossmember must be marked on the body of the vehicle. Do this so the crossmember can be relocated, upon reinstallation, against the body of vehicle in the same location as before removal. If the front suspension crossmember is not reinstalled in exactly the same location as before removal, the preset front wheel alignment settings (caster and camber) may be lost.

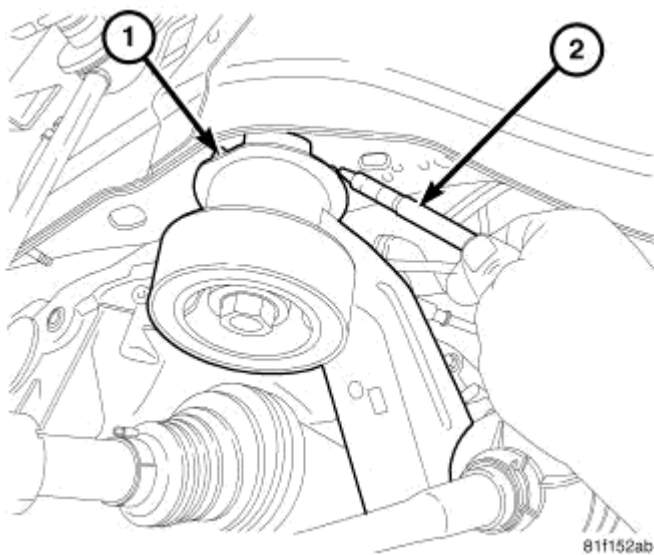


Fig. 40: Marking Location Of Crossmember

Courtesy of CHRYSLER LLC

13. Using a crayon or marker (2) that will not break the paint surface, mark the location of the front crossmember (1) on the body near each mounting bolt. **Do not use any type of sharp instrument that will damage the underbody of the vehicle.**

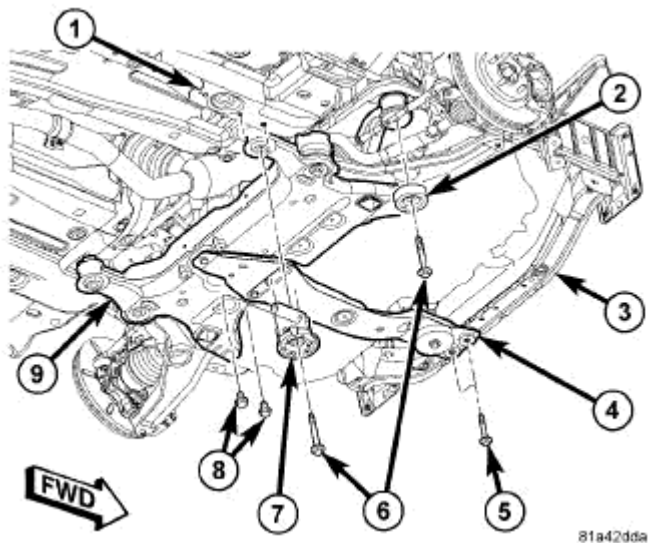


Fig. 41: Front Crossmember Mounting
Courtesy of CHRYSLER LLC

14. Support the crossmember (9) with a transmission jack. Secure the crossmember to the jack.
15. Remove the four mounting bolts (6) securing the front crossmember (9) to the body.
16. Remove the mounting screws (8) securing the front crossmember reinforcement brackets (7) (one each side of vehicle) to the body (1). Remove the brackets.
17. Slowly lower the crossmember and control arms to a comfortable working height using the jack.

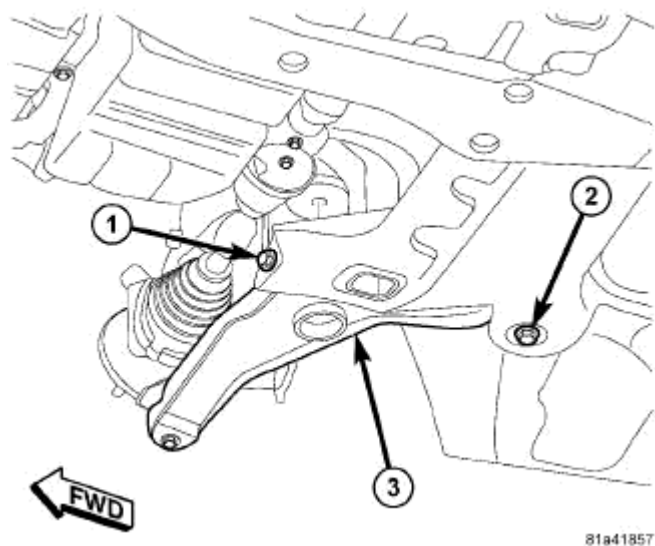


Fig. 42: Lower Control Arm Mounting
Courtesy of CHRYSLER LLC

18. To remove each lower control arm:
 - a. Remove the front bolt (1) attaching the lower control arm (3) to the front suspension crossmember.
 - b. Remove the nut on the rear bolt (2) attaching the lower control arm (3) to the front suspension crossmember. Remove the bolt.
 - c. Remove the lower control arm (3) from the crossmember.

Installation

INSTALLATION

1. Support the crossmember with a transmission jack. Secure the crossmember to the jack.

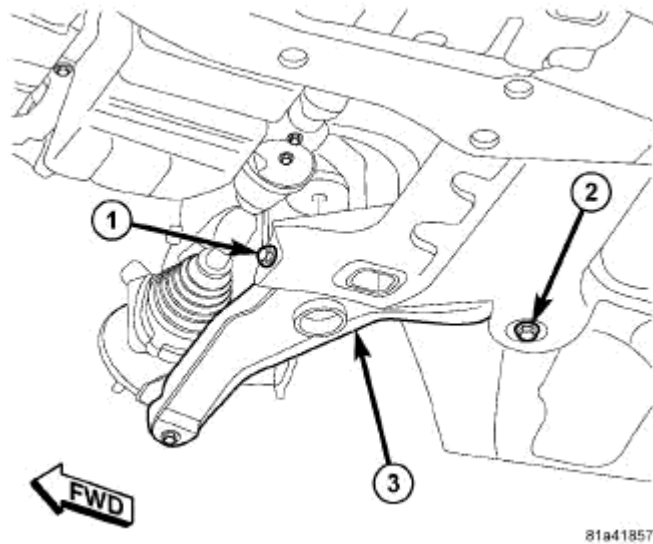


Fig. 43: Lower Control Arm Mounting
Courtesy of CHRYSLER LLC

2. To install each lower control arm on the crossmember:
 - a. Place the lower control arm (3) into the front suspension crossmember.
 - b. Insert the rear bolt (2) up through the crossmember and lower control arm (3). Install the nut on the top-end of the bolt, but do not tighten it at this time.
 - c. Install, but do not fully tighten, the front bolt (1) attaching the lower control arm (3) to the crossmember.
 - d. With no weight or obstruction on the lower control arm, tighten the lower control arm **front** mounting bolt (2) to 145 N.m (107 ft. lbs.).
 - e. With no weight or obstruction on the lower control arm, tighten the lower control arm **rear** mounting bolt nut to 145 N.m (107 ft. lbs.).

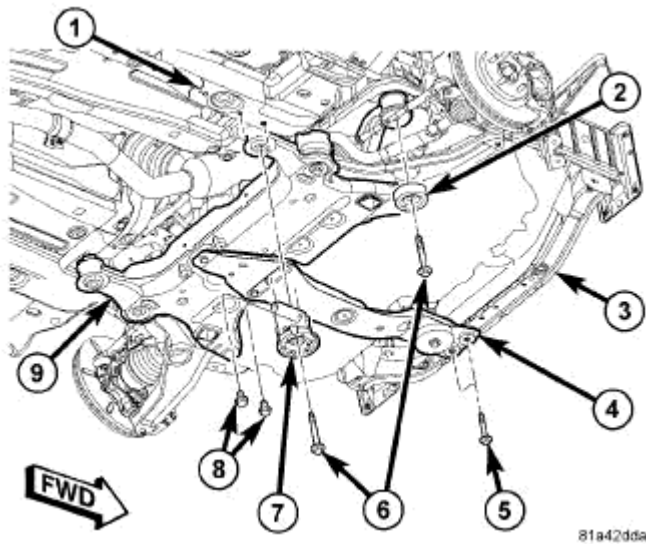


Fig. 44: Front Crossmember Mounting
Courtesy of CHRYSLER LLC

3. Slowly raise the crossmember (9) into mounted position using the transmission jack matching the crossmember to the marked locations on the body made during removal. As the crossmember is raised, guide the lower ball joints into the mounting holes in the lower control arms. Also, make sure the stabilizer bar is properly positioned on the crossmember.
4. Position the front crossmember reinforcement brackets (7) (one each side of vehicle) over the crossmember rear mounting bushings and install the mounting screws (8), but do not tighten at this time.

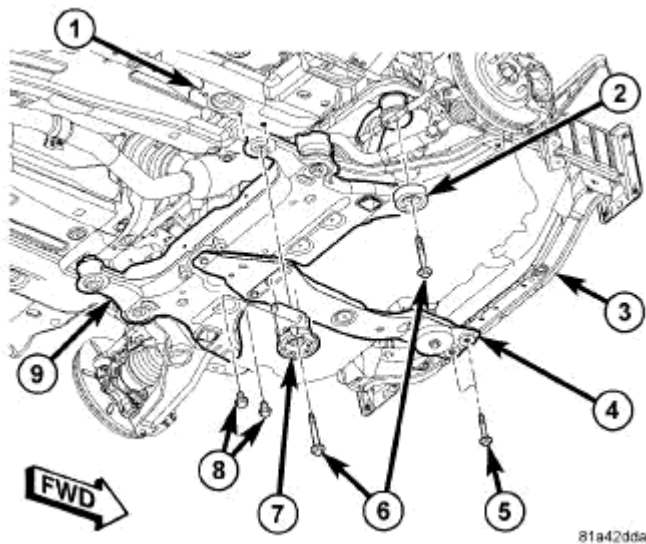


Fig. 45: Front Crossmember Mounting
Courtesy of CHRYSLER LLC

5. Install the four mounting bolts (6) securing the front crossmember (1) to the body. Tighten the crossmember mounting bolts to 135 N.m (100 ft. lbs.).
6. Tighten the crossmember reinforcement bracket mounting screws (8) to 55 N.m (41 ft. lbs.).
7. Remove the transmission jack.

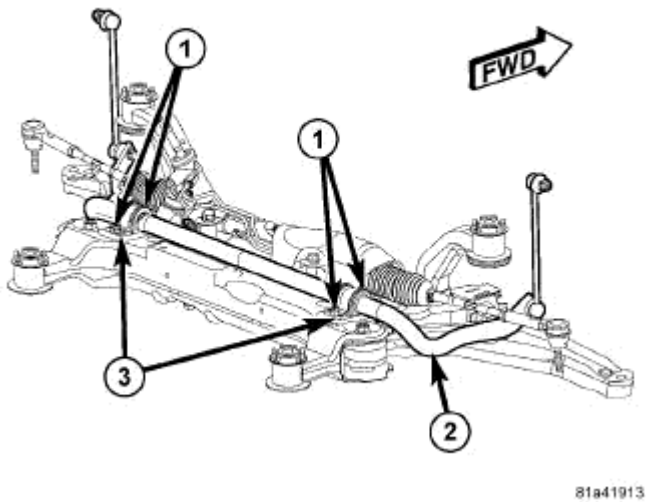


Fig. 46: Stabilizer Bar Mounting
Courtesy of CHRYSLER LLC

8. Position both stabilizer bar bushing retainers and install the screws (1) securing the stabilizer bushing retainers (3) to the crossmember. Tighten all four stabilizer bar cushion retainer screws to 60 N.m (44 ft. lbs.).

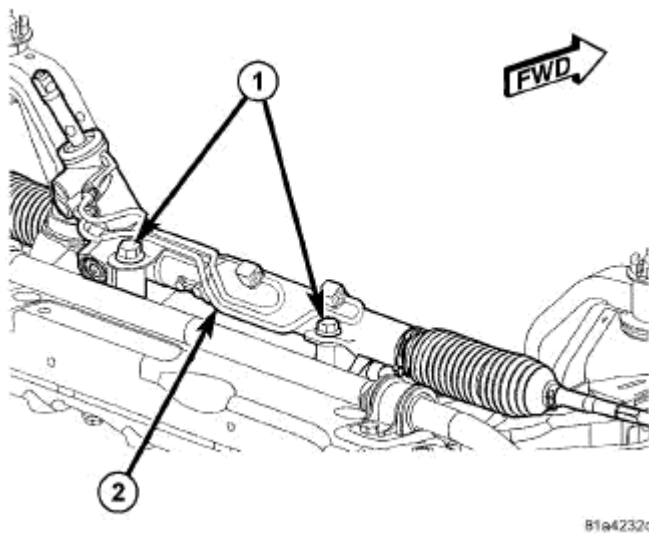


Fig. 47: Steering Gear Mounting

Courtesy of CHRYSLER LLC

9. Remove the bungee cord or other supporting the steering gear (2).
10. Install the two bolts (1) securing the steering gear (2) to the crossmember. Tighten the steering gear mounting bolts to 100 N.m (74 ft. lbs.).

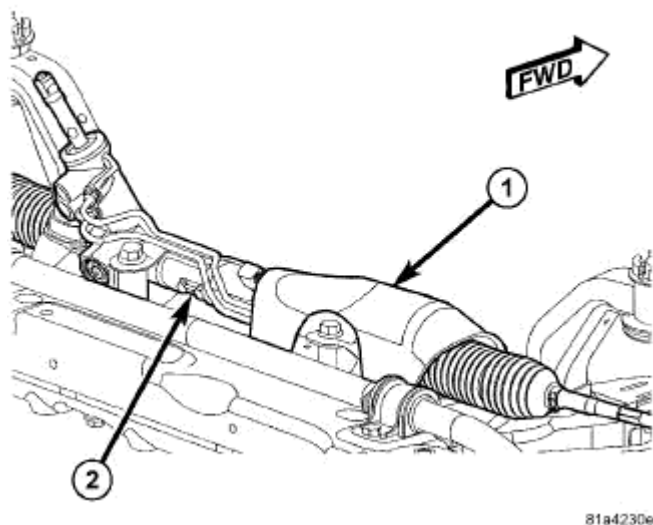


Fig. 48: Heat Shield Over Gear
Courtesy of CHRYSLER LLC

11. Position the heat shield (1) over the steering gear (2). Install the mounting screws and push-pins. Tighten the screws to 6 N.m (53 in. lbs.).

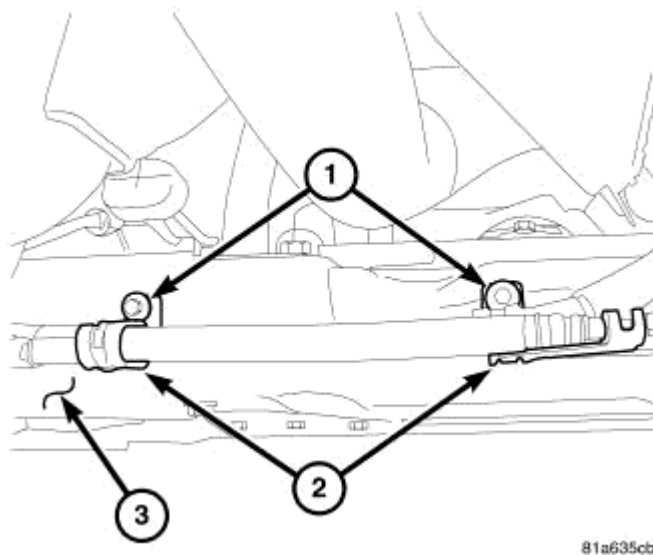
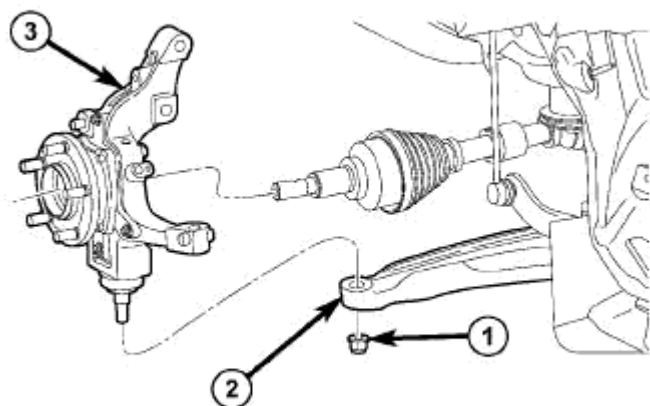


Fig. 49: Hoses At Rear Of Crossmember
Courtesy of CHRYSLER LLC

12. Position the power steering hose routing clamps (2) on the crossmember. Install and tighten the screws to 8 N.m (71 in. lbs.).
13. Install the rear engine mount. Refer to appropriate Engine SERVICE INFORMATION article.
14. Install the fore/aft crossmember. See **Installation**.
15. If equipped, install the engine belly pan.

NOTE: If a new or cleaned lower control arm is being installed, it is important to have a film of general purpose grease around the ball joint mounting hole on the lower control arm to avoid any future corrosion issues. Make sure the grease does not get inside the ball joint mounting hole or on the ball joint stud during installation.



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Fig. 50: Lower Ball Joint To Control Arm
Courtesy of CHRYSLER LLC

16. On each side of the vehicle, install a NEW ball joint stud nut (1). Tighten the nut to 95 N.m (70 ft. lbs.).

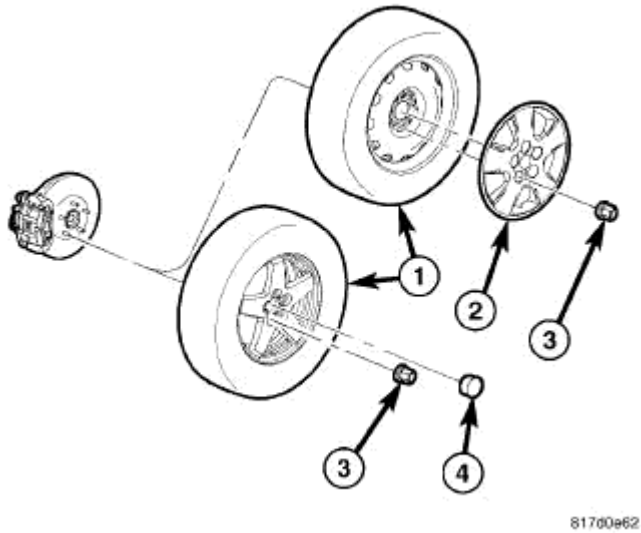


Fig. 51: Tire And Wheel Mounting
Courtesy of CHRYSLER LLC

17. On each side of the vehicle, install the tire and wheel assembly (1). Refer to **Tires and Wheels - Installation** . Install and tighten the wheel mounting nuts (3) to 135 N.m (100 ft. lbs.).
18. Lower the vehicle.
19. Perform wheel alignment as necessary. Refer to **Front Suspension/Wheel Alignment - Standard Procedure** .

CROSSMEMBER, REAR SUSPENSION

Removal

REMOVAL

1. Raise and support the vehicle. Refer to **Vehicle Quick Reference/Hoisting - Standard Procedure** .

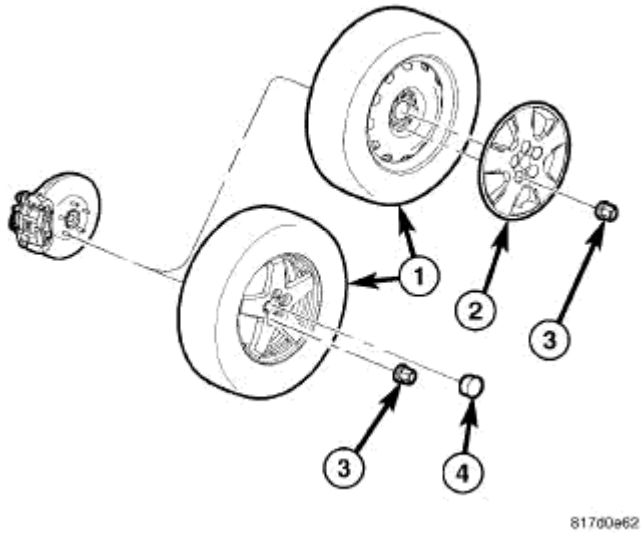


Fig. 52: Tire And Wheel Mounting
Courtesy of CHRYSLER LLC

2. On each side of the vehicle, remove the wheel mounting nuts (3), then the front tire and wheel assembly (1).

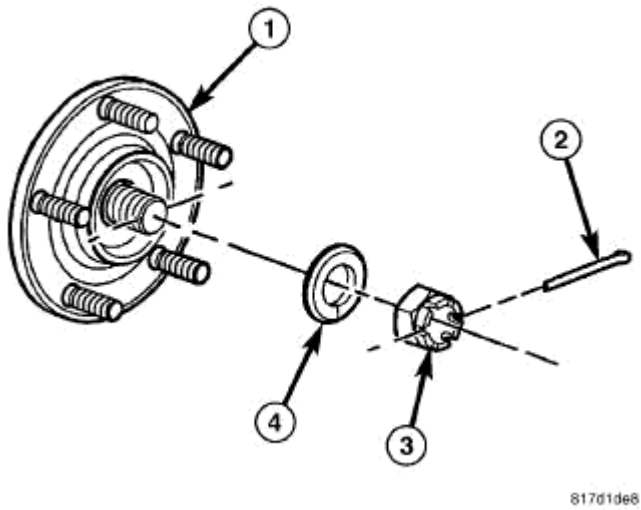


Fig. 53: Hub Nut And Washer
Courtesy of CHRYSLER LLC

3. If equipped with all-wheel-drive, remove the cotter pin (2) from the hub nut (3) on the end of the axle half shaft. While a helper applies the brakes to keep the hub (1) from rotating, remove the hub nut (3) and washer (4) from the axle half shaft.

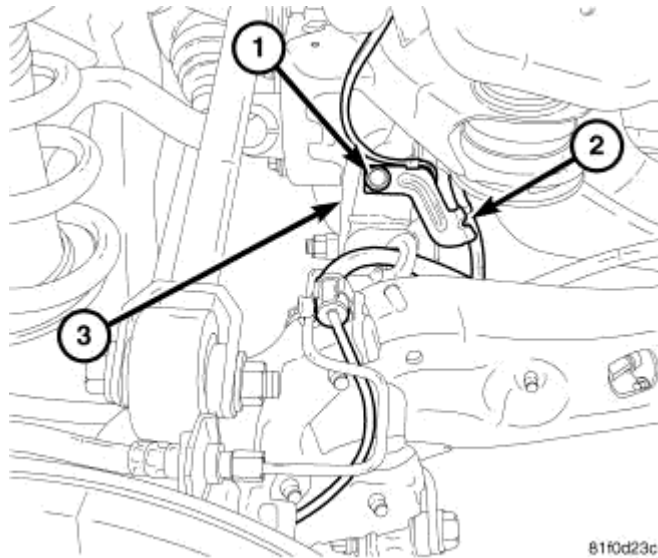


Fig. 54: Wheel Speed Sensor Routing Clamp
Courtesy of CHRYSLER LLC

4. On each side of the vehicle, remove the screw (1) fastening the wheel speed sensor routing clamp (2) to the rear suspension crossmember (3).
5. Remove the exhaust system from the vehicle. Refer to **Exhaust System/PIPE, Exhaust - Removal** .

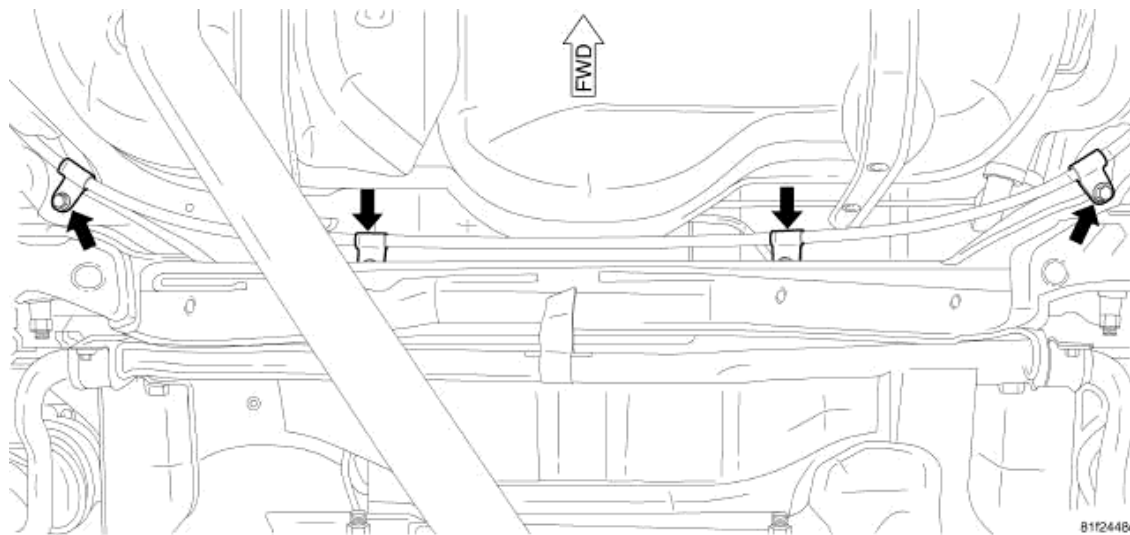


Fig. 55: Right Cable At Crossmember
Courtesy of CHRYSLER LLC

6. Remove the screws securing the four right rear parking brake cable routing clamps to the rear crossmember.

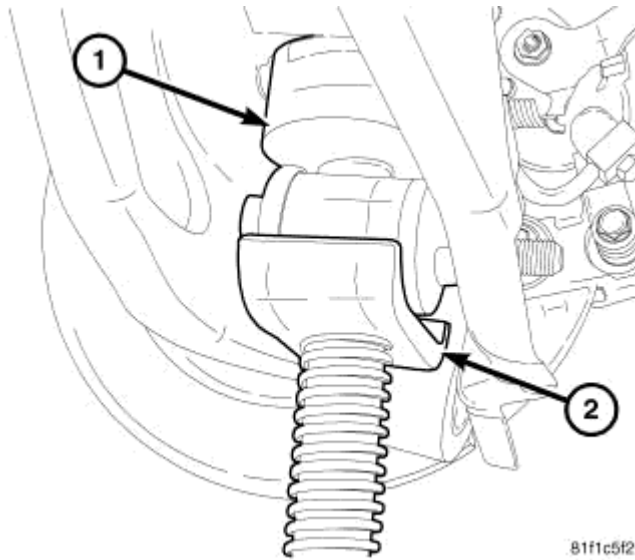


Fig. 56: Supporting Rear Shock
Courtesy of CHRYSLER LLC

7. On each side of the vehicle, if equipped with load-leveling shocks, support the lower shock (1) with a jack (2) using just enough force to allow easy removal of the lower shock mounting bolt in the following step. Lower the jack following bolt removal.

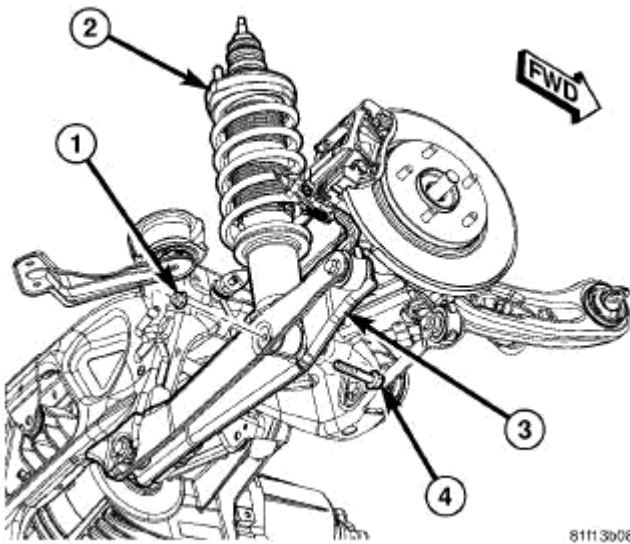


Fig. 57: Rear Lower Shock Mounting
Courtesy of CHRYSLER LLC

8. On each side of the vehicle, remove the lower shock mounting nut (1) and bolt (4).
9. If equipped with all-wheel-drive, remove the rear driveline module, but instead of using a drive-on hoist, place jacks under the outboard ends of the lower control arms and adjust the rear suspension height at the hub and bearings to simulate curb riding height. Refer to **Differential and Driveline/Rear Driveline**

Module - Removal . Once the rear driveline module is removed, remove the jacks.

10. If equipped with all-wheel-drive, slide the half shaft out of the hub and bearing on each side of the vehicle and remove it.

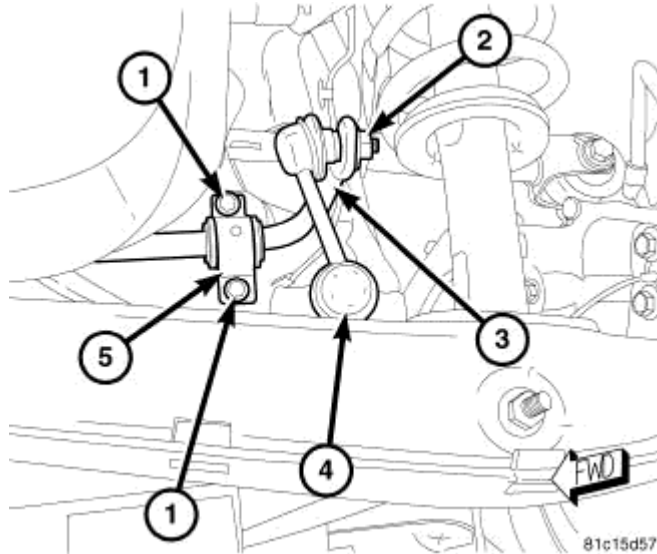


Fig. 58: Rear Stabilizer Bar Retainer
Courtesy of CHRYSLER LLC

11. On each side of the vehicle, while holding the stabilizer bar link upper stud stationary, remove the nut (2) securing the link (4) to the stabilizer bar (3).
12. On each side of the vehicle, remove the screws (1) securing the stabilizer bar retainer (5) to the crossmember.
13. Remove the stabilizer bar (3) from the vehicle.

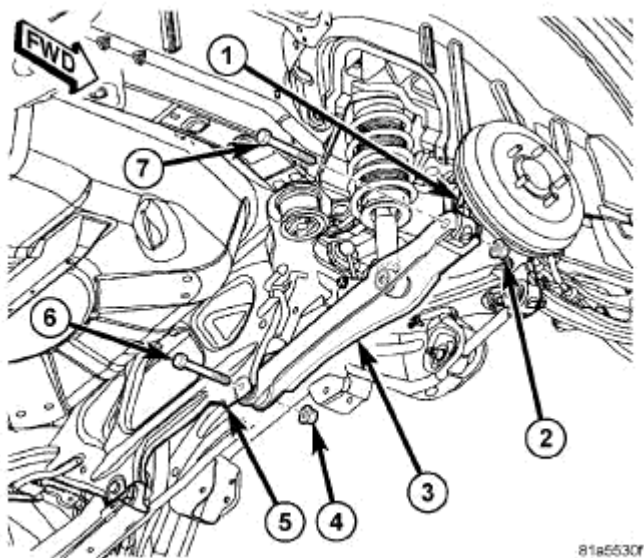


Fig. 59: Rear Lower Control Arm Mounting

Courtesy of CHRYSLER LLC

14. On each side of the vehicle:
- Loosen (do not remove) the nut (2) and bolt (7) securing the lower control arm (3) to the knuckle (1).
 - Remove the nut (4) and bolt (6) securing the lower control arm (3) to the rear crossmember (5).
 - Swing the lower control arm down away from the rear crossmember.

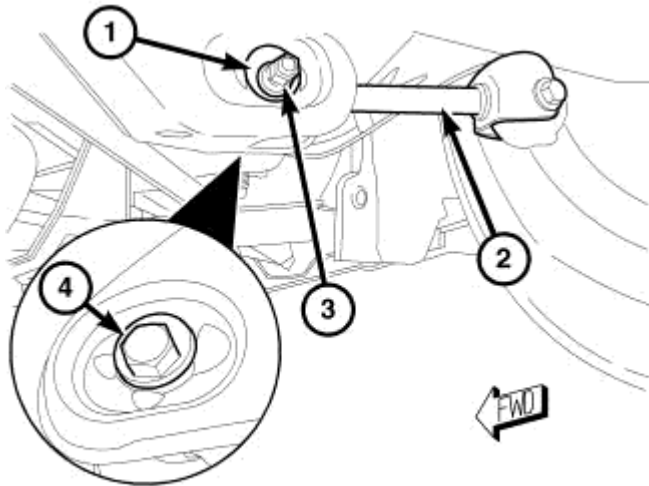
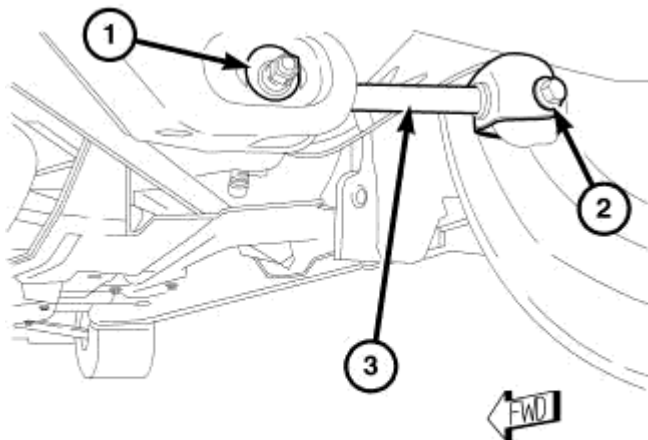


Fig. 60: Rear Toe Adjustment Cam Bolt
Courtesy of CHRYSLER LLC

15. On each side of the vehicle:
- Mark the position of the cam bolt (4) cams on the crossmember using a paint marker or crayon. Do not use any type marker that will scratch or damage the surface of the crossmember.
 - While holding the cam bolt (4) head stationary, loosen and remove the toe link mounting cam bolt nut (3) and washer (1). Remove the cam bolt.

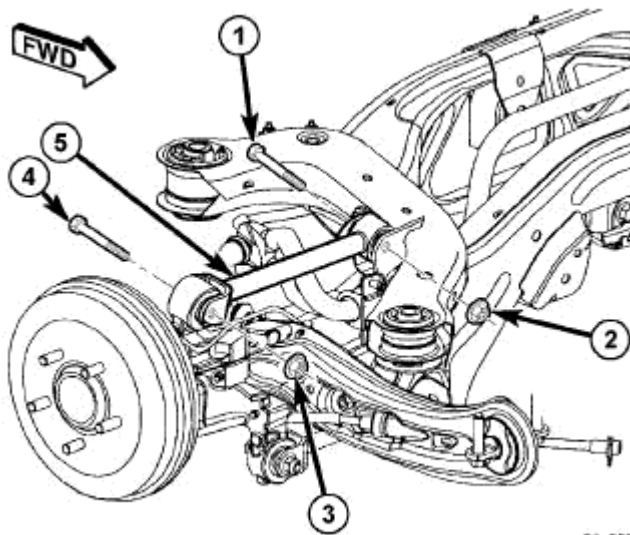


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Fig. 61: Toe Link

Courtesy of CHRYSLER LLC

16. On each side of the vehicle, loosen (do not remove) the mounting bolt (2) and nut securing the toe link (3) to the knuckle.



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Fig. 62: Upper Control Arm Mounting

Courtesy of CHRYSLER LLC

17. On each side of the vehicle:
 - a. Loosen (do not remove) the nut (3) and bolt (4) securing the upper control arm (5) to the knuckle.
 - b. Remove the nut (2) and bolt (1) securing the upper control arm (5) to the crossmember.
18. On each side of the vehicle, using wire or a bungee cord, support the knuckle to keep it from sagging.

NOTE: Before lowering the rear suspension crossmember, the location of the crossmember must be marked on the body of the vehicle. Do this so the crossmember can be relocated, upon reinstallation, against the body of vehicle in the same location as before removal. If the crossmember is not reinstalled in exactly the same location as before removal, the rear wheel alignment settings may be lost.

19. Using a crayon or marker that will not break the paint surface, mark the location of the rear suspension crossmember on the body near each mounting bolt. **Do not use any type of sharp instrument that will damage the underbody of the vehicle.**
20. Support the crossmember with a transmission jack. Secure the crossmember to the jack.
21. Remove the two mounting screws securing each crossmember reinforcement bracket (one each side of vehicle) to the body.
22. Remove the mounting nuts securing the crossmember reinforcement brackets to the crossmember rear mounting bolts. Remove the brackets.
23. Remove the four mounting bolts securing the crossmember to the body.
24. Slowly lower the crossmember using the jack.

Installation

INSTALLATION

1. Support the rear suspension crossmember with a transmission jack. Secure the crossmember to the jack.
2. Slowly raise the crossmember into mounted position using the transmission jack matching the crossmember to the marked locations on the body made during removal. As the crossmember is raised, guide the rear suspension components into place.
3. Install the four mounting bolts (rear bolts have stud heads) securing the crossmember to the body. Tighten the crossmember mounting bolts to 95 N.m (70 ft. lbs.).
4. Position the crossmember reinforcement brackets (one each side of vehicle) over the crossmember rear mounting bolt head-studs and install the mounting nuts, but do not tighten at this time.
5. Install the mounting screws securing the crossmember reinforcement brackets to the body. Tighten the screws to 55 N.m (41 ft. lbs.).
6. Tighten the mounting nuts securing the reinforcement brackets to the rear crossmember mounting bolts to 50 N.m (37 ft. lbs.).
7. Remove the transmission jack.

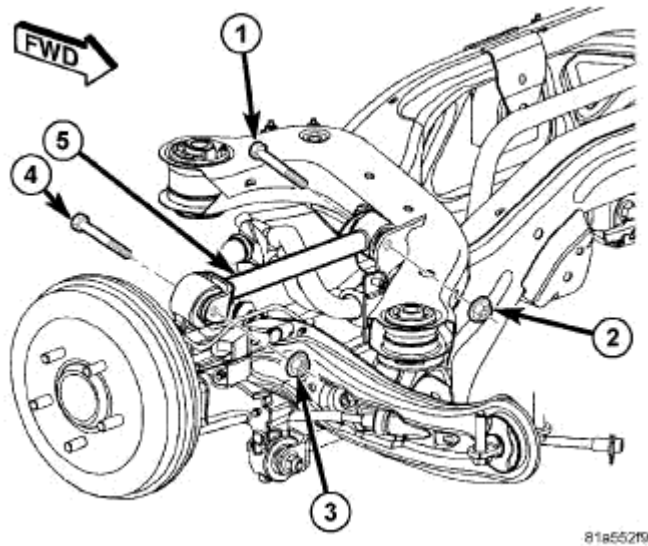


Fig. 63: Upper Control Arm Mounting
Courtesy of CHRYSLER LLC

8. On each side of the vehicle, position the upper control arm (5) and install the bolt (1) and nut (2) securing the arm to the crossmember. Do not tighten either upper control arm mounting bolts at this time.

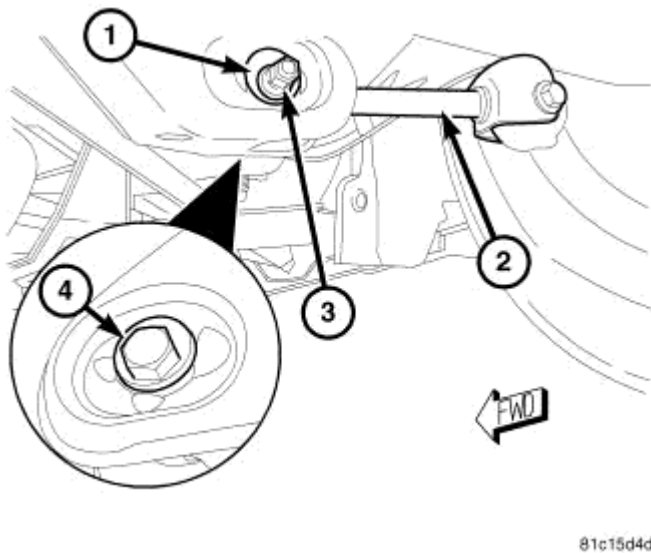


Fig. 64: Rear Toe Adjustment Cam Bolt
Courtesy of CHRYSLER LLC

CAUTION: When installing the cam bolt (4) and washer make sure the cams stay inside the abutments built into the crossmember. Failure to do so can damage the abutments and make toe adjustment difficult.

9. On each side of the vehicle:

- a. Position the toe link (2) and install the cam bolt (4) from the front through the crossmember and link. Match the cam on the bolt to the marks made during removal or position the top of the cam to the 12 O'clock position if not available.
- b. Install the cam washer (1) and nut (3) securing the toe link (2) to the crossmember. Do not tighten at this time.

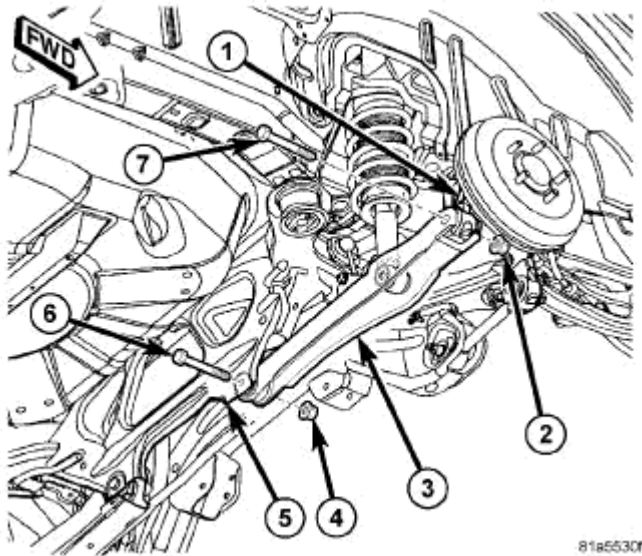


Fig. 65: Rear Lower Control Arm Mounting
Courtesy of CHRYSLER LLC

10. On each side of the vehicle, position the lower control arm (3) and install the bolt (6) and nut (4) securing the lower control arm to the crossmember (5). Do not tighten nut and bolt at crossmember or knuckle at this time.

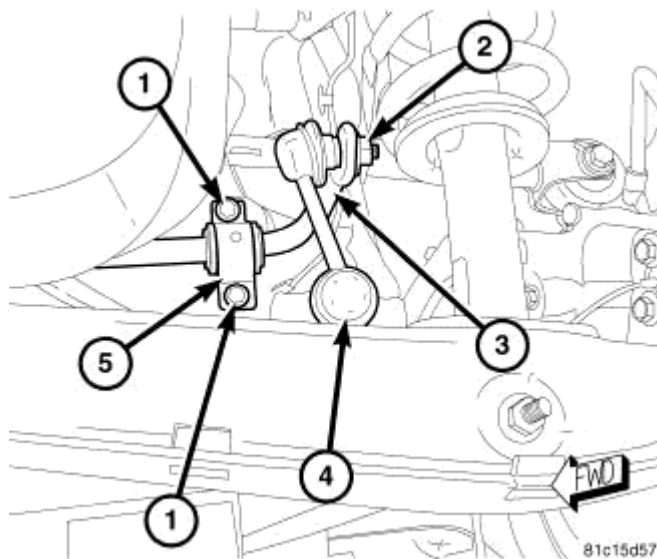


Fig. 66: Rear Stabilizer Bar Retainer

Courtesy of CHRYSLER LLC

NOTE: When installing the stabilizer bar on a vehicle with all-wheel-drive, position the bar so that the bar loops over the axle half shafts once installed, not under the axle half shafts.

11. Position the stabilizer bar (3) on the rear crossmember.

CAUTION: Before installing the screws in the following step, it is especially important to clean the threads and apply Mopar® Lock AND Seal Adhesive or equivalent.

12. Install the two retainers (5 - right side shown in illustration) over the cushions at the mounting holes and install the retainer screws (1). Do not tighten the screws at this time.

CAUTION: Before installing the nut in the following step, it is especially important to clean the threads and apply Mopar® Lock AND Seal Adhesive or equivalent.

13. On each side of the vehicle, install the stabilizer link (4) upper stud in the end of the stabilizer bar (3). Install the nut (2) on the upper stud and while holding the stabilizer link stud stationary, tighten the nut to 48 N.m (35 ft. lbs.).
14. On each side of the vehicle, tighten the stabilizer bar retainer screws (1) to 25 N.m (18 ft. lbs.).

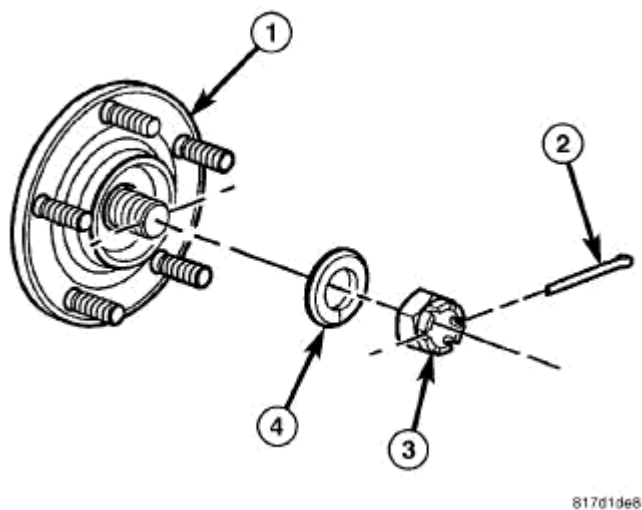


Fig. 67: Hub Nut And Washer
Courtesy of CHRYSLER LLC

NOTE: Always install a new hub nut. The original hub nut is one-time use only

and should be discarded when removed.

15. If equipped with all-wheel-drive, slide the half shaft into the hub and bearing on each side of the vehicle and hand-start the washer and hub nut (3) Support the shafts to keep them from overextending the joints.
16. If equipped with all-wheel-drive, install the rear driveline module. In place of using a drive-on hoist, place jacks under the outboard ends of the lower control arms and adjust the rear suspension height at the hub and bearings to simulate curb riding height. Refer to **Differential and Driveline/Rear Driveline Module - Removal** . Once the rear driveline module is installed, remove the jacks.

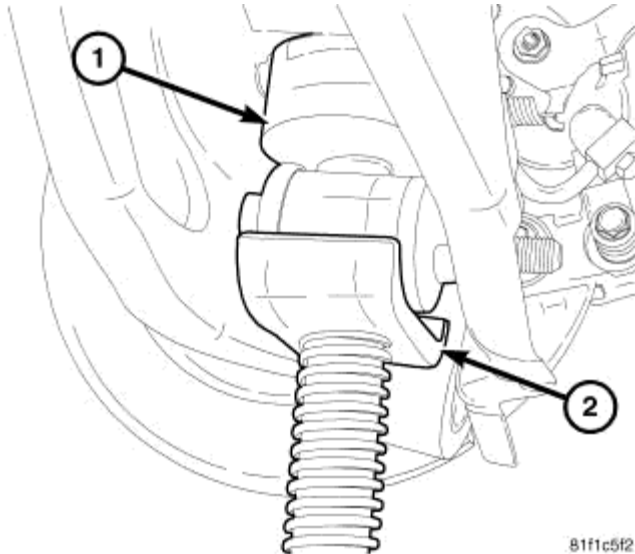


Fig. 68: Supporting Rear Shock
Courtesy of CHRYSLER LLC

17. On each side of the vehicle, if equipped with load-leveling shocks, place a jack (2) against the lower shock eye and support the lower end of the shock assembly (1). Lift the shock assembly using the jack until the hole in the lower shock eye lines up with that in the lower control arm.

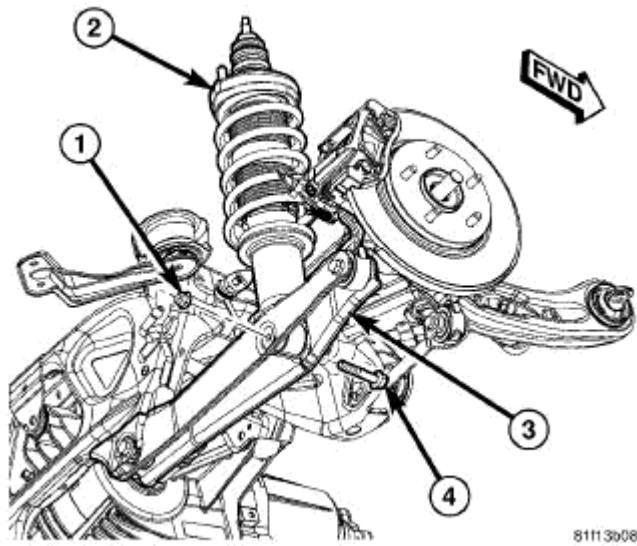


Fig. 69: Rear Lower Shock Mounting
Courtesy of CHRYSLER LLC

18. On each side of the vehicle, install the mounting bolt (4) and nut (1) fastening the shock assembly (2) to the lower control arm (3). Do not tighten at this time.

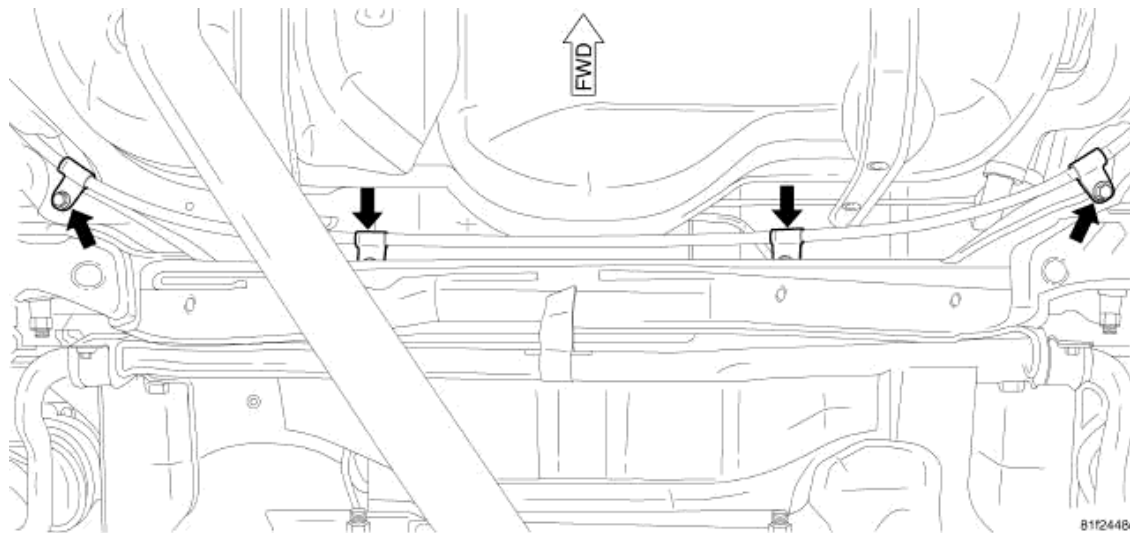


Fig. 70: Right Cable At Crossmember
Courtesy of CHRYSLER LLC

19. Position the four parking brake cable routing clamps along the front of the rear crossmember and install the screws. Tighten the screws to 6 N.m (55 in. lbs.).
20. Install the exhaust system. Refer to **Exhaust System/PIPE, Exhaust - Installation** .

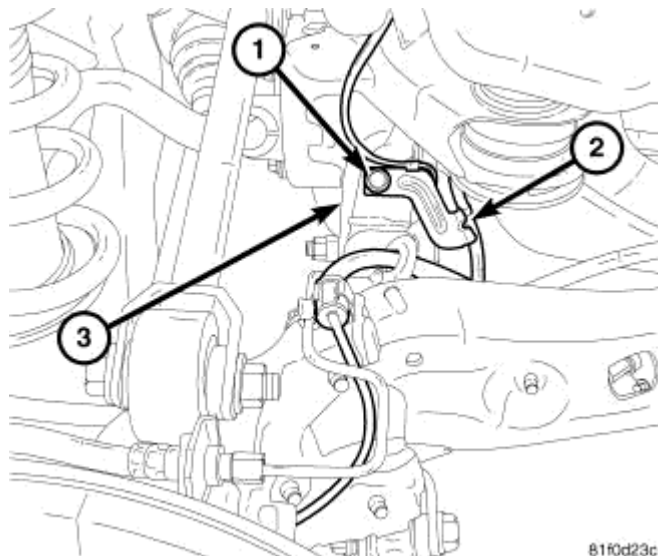


Fig. 71: Wheel Speed Sensor Routing Clamp

Courtesy of CHRYSLER LLC

21. On each side of the vehicle, attach the wheel speed sensor routing clamp (2) to the rear suspension crossmember (3) using the mounting screw (1). Tighten the mounting screw to 20 N.m (15 ft. lbs.).

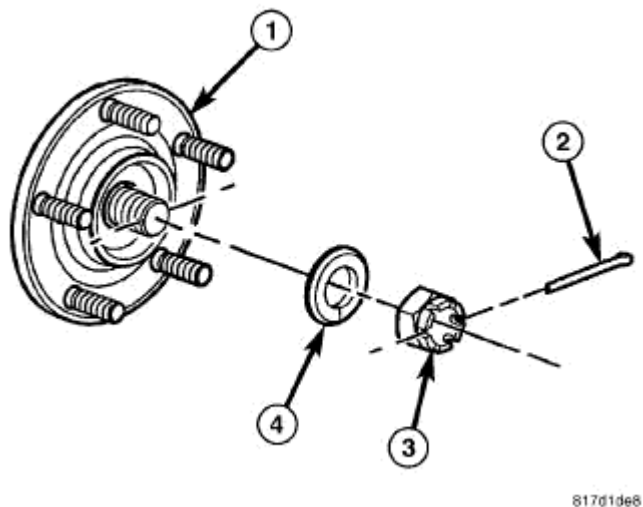


Fig. 72: Hub Nut And Washer

Courtesy of CHRYSLER LLC

22. While a helper applies the brakes to keep the hub (1) from rotating, on each side of the vehicle:
- Tighten the hub nut (3) to 245 N.m (181 ft. lbs.).
 - Insert the cotter pin (2) through the notches in the nut and the hole in half shaft. If the notches in the nut do not line up with the hole in the half shaft, continue to tighten the nut until they do. **Do not loosen the nut.**

- c. Wrap the cotter pin (2) ends tightly around the lock nut.

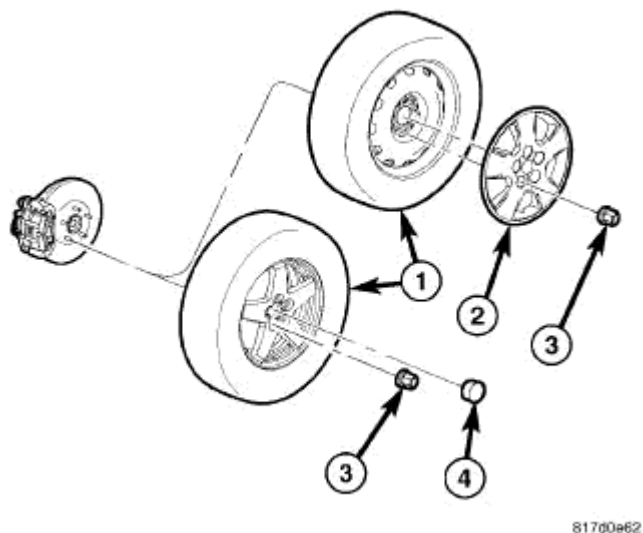
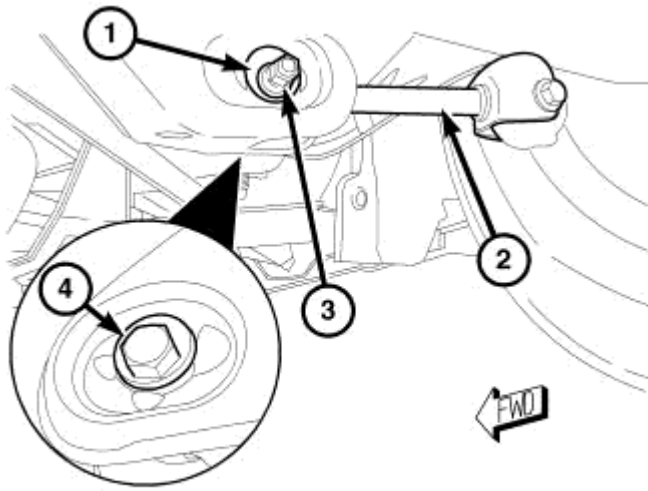


Fig. 73: Tire And Wheel Mounting
Courtesy of CHRYSLER LLC

23. On each side of the vehicle, install tire and wheel assembly (1). Refer to **Tires and Wheels - Installation** . Install and tighten wheel mounting nuts (3) to 135 N.m (100 ft. lbs.).
24. Lower the vehicle.
25. Position the vehicle on an alignment rack/drive-on lift. Raise the vehicle as necessary to access mounting bolts and nuts.
26. Tighten the lower control arm mounting bolt nut at the crossmember to 105 N.m (77 ft. lbs.).
27. Tighten the lower control arm mounting bolt nut at the knuckle to 105 N.m (77 ft. lbs.).
28. Tighten the shock assembly lower mounting bolt nut to 99 N.m (73 ft. lbs.).
29. Tighten the upper control arm mounting bolt nut at the crossmember to 105 N.m (77 ft. lbs.).
30. Tighten the upper control arm mounting bolt nut at the knuckle to 105 N.m (77 ft. lbs.).
31. Tighten the toe link mounting bolt nut at the knuckle to 105 N.m (77 ft. lbs.).
32. Perform wheel alignment as necessary. Refer to **Front Suspension/Wheel Alignment - Standard Procedure** .



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Fig. 74: Rear Toe Adjustment Cam Bolt
Courtesy of CHRYSLER LLC

33. Once rear toe is set, while holding the cam bolt (4) head stationary, tighten the toe link mounting cam bolt nut (3) to 100 N.m (74 ft. lbs.).