# **CHILTON**LIBRARY



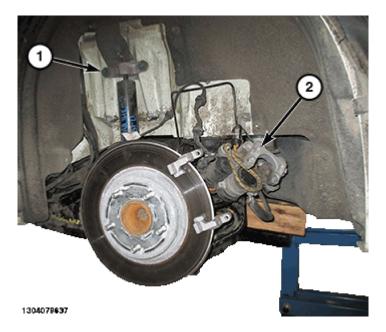
## **Removal & Installation**

## **REMOVAL AND INSTALLATION**

## **REMOVAL**



- 1. Disconnect and isolate the negative battery cable.
- 2. Raise and support the vehicle (Refer to Vehicle Quick Reference/Hoisting/Standard Procedure).
- 3. Remove the rear belly pan (Refer to Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation).(Refer To List 1)
- 4. Remove the exhaust as necessary (Refer to Exhaust System/MUFFLER, Exhaust/Removal and Installation).
- 5. Disconnect the electrical connectors (1).



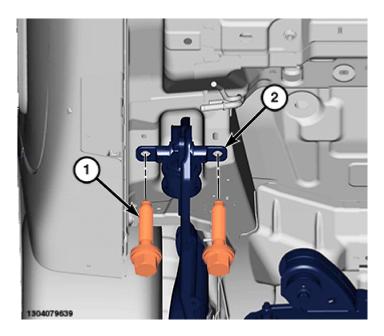
- 6. Hang the rear callipers (2) securely out of the way (Refer to Brakes, Base/Hydraulic/Mechanical/CALIPER, Disc Brake, Front/Removal and Installation).(Refer To List 2)
- 7. Using a suitable lifting device, support the lower control arms and remove the bolts (1) to separate the upper shock mounts from the vehicle.



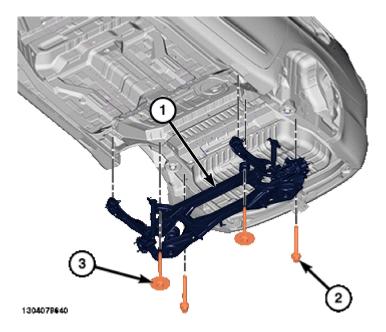
8. Raise the vehicle and using a suitable marking device, mark the position of the crossmember on the rear frame rails (1).



9. Using a suitable marking device, mark the position of the trailing arm bushing on the rear frame rails (1).

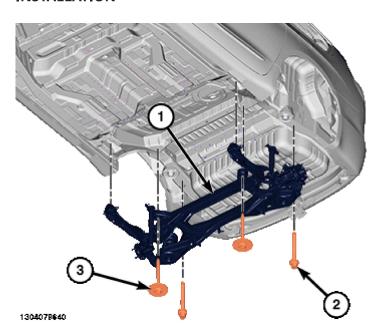


10. Remove the front trailing arm bushing (2) bolts (1).



- 11. Support the crossmember (1) with a suitable lifting device remove and **DISCARD** the front (3) and rear (2) bolts.
- 12. Remove the crossmember (1) and remove the trailing arms (Refer to Rear Suspension/LINK, Trailing, Rear/Removal and Installation).
- 13. Remove the rear knuckles (Refer to Rear Suspension/KNUCKLE, Rear/Removal and Installation).
- 14. Remove the camber, spring and toe links (Refer to 17 Rear Suspension/LINK, Camber/Removal and Installation).(Refer To List 3)
- 15. Remove the shock absorbers (Refer to Rear Suspension/SHOCK ABSORBER, Suspension/Removal and Installation).

## **INSTALLATION**

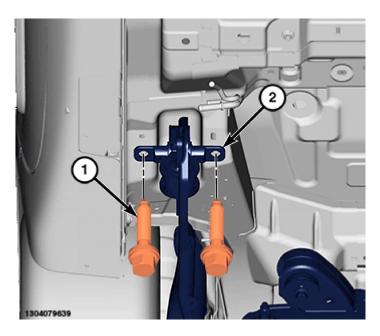


- 1. Install the shock absorbers (Refer to 17 Rear Suspension/SHOCK ABSORBER, Suspension/Removal and Installation).
- 2. Install the camber, spring and toe links (Refer to Rear Suspension/LINK, Camber/Removal and Installation).(Refer To List 3)
- 3. Install the rear knuckles (Refer to Rear Suspension/KNUCKLE, Rear/Removal and Installation).
- 4. Install the trailing arms (Refer to Rear Suspension/LINK, Trailing, Rear/Removal and Installation).
- 5. Position the crossmember assembly (1) on a suitable lifting device and install onto the vehicle.

## NOTE

Do not reuse fastener. If removed, a NEW fastener must be installed and tightened to specifications.

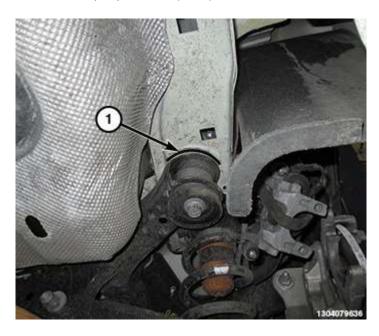
6. Install the **NEW** front (2) and rear (3) bolts.



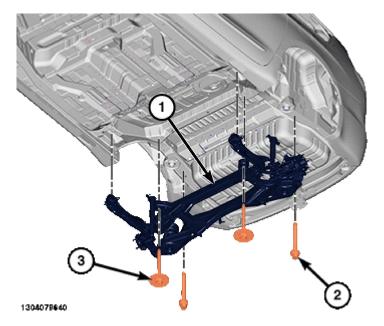
7. Install the trailing link bushing bolts (1).



8. Position the trailing arm link bushings back using the marks (1) made during removal and tighten the bolts to the proper (Torque Specifications).



9. Line up the rear crossmember assembly with the marks (1) made during removal.



- 10. Tighten the front bolts (3) to the proper (Torque Specifications).
- 11. Tighten the rear bolts (2) to the proper (Torque Specifications).



- 12. Using a suitable lifting device, support the lower control arms and install the upper shock mounts.
- 13. Tighten the upper shock mount bolts to the proper (Torque Specifications).
- 14. Install the rear brake callipers (2) (Refer to 05 Brakes, Base/Hydraulic/Mechanical/CALIPER, Disc Brake, Front/Removal and Installation).(Refer To List 2)



- 15. Connect the electrical connectors (1).
- 16. Install the exhaust as necessary (Refer to 11 Exhaust System/MUFFLER, Exhaust/Removal and Installation).
- 17. Install the rear belly pan (Refer to 13 Frame and Bumpers/Under Body Protection/BELLY PAN/Removal and Installation).(Refer To List 1)
- 18. For PHEV vehicles, power up the 12-volt system (Refer to 08 Electrical/Standard Procedure).
- 19. Connect the negative battery cable.

## **Refer To List:**

## List 1

- 13 Frame and Bumpers / Under Body Protection / BELLY PAN, Engine / Removal and Installation
- 13 Frame and Bumpers / Under Body Protection / BELLY PAN, Front / Removal and Installation
- 13 Frame and Bumpers / Under Body Protection / BELLY PAN, Rear / Removal and Installation
- 13 Frame and Bumpers / Under Body Protection / BELLY PAN, Rear Suspension / Removal and Installation
- 13 Frame and Bumpers / Under Body Protection / BELLY PAN, Side / Removal and Installation

#### List 2

- 05 Brakes / 05 Brakes, Base / Hydraulic/Mechanical / CALIPER, Disc Brake, Front / Removal and Installation
- 05 Brakes / 05 Brakes, Base / Hydraulic/Mechanical / CALIPER, Disc Brake, Rear / Removal and Installation

## List 3

- 17 Rear Suspension / LINK, Camber / Removal and Installation
- 17 Rear Suspension / LINK, Comfort / Removal and Installation
- 17 Rear Suspension / LINK, Spring / Removal and Installation
- 17 Rear Suspension / LINK, Toe / Removal and Installation