



HONDA INSTALLATION INSTRUCTIONS

Accessory

SPORTS SUSPENSION
P/N 08W60-TBF-100

Application

2018 CIVIC Si

Publications No.

VERSION 1

Issue Date

OCT 2017

PARTS LIST

Sports Suspension Kit

Right front damper assembly



Left front damper assembly



Right rear damper assembly



Left rear damper assembly



2 Rear springs



Adaptive damper system unit



2 Rear lower bolts, 12 x 80 mm



4 Upper rear damper flange bolts, 8 x 32 mm



6 Damper flange nuts A, 10 mm



4 Stabilizer flange nuts B, 10 mm



2 Cotter pins



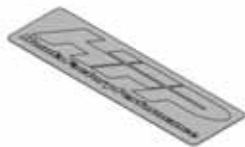
2 Spindle nuts



2 Flange nuts, 6 mm



2 Stickers



2 Alcohol wipes



Clip
(May not be used)



Important Information



TOOLS AND SUPPLIES REQUIRED

Refer to the tools listed in the service information.

INSTALLATION

Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

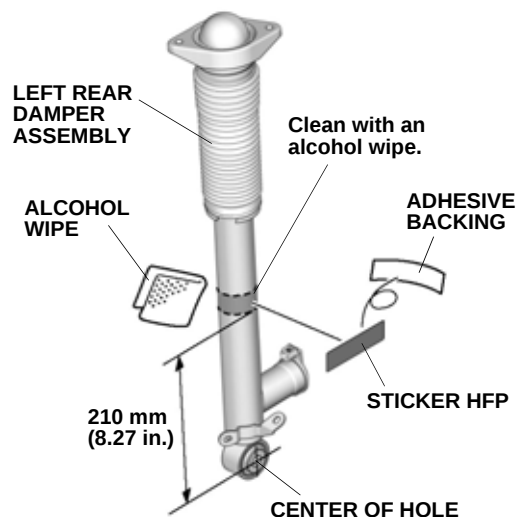
NOTE:

- Place the vehicle on a firm, level surface.
- Inflate the tires to the specified air pressures.
- Follow the procedure, safety notes, and precautions in the service information.
- Install the right and left dampers in the proper positions. The damper marked R goes on the right side; the damper marked L goes on the left side.
- These dampers are designed to be used exclusively with this model and should not be used with other models.

1. Disconnect the negative cable from the battery.

Attaching the Sticker

2. Using an alcohol wipe, thoroughly clean the area on the left rear damper assembly where the HFP sticker will attach.

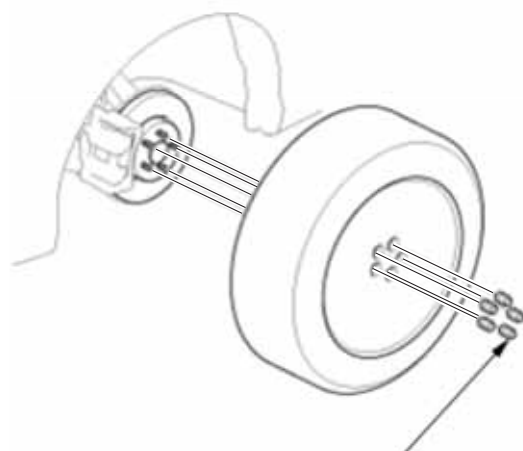


QF01910BT

3. Remove the adhesive backing from the sticker, and attach it to the left rear damper assembly as shown.
4. Repeat steps 2 and 3 on the right rear damper assembly.

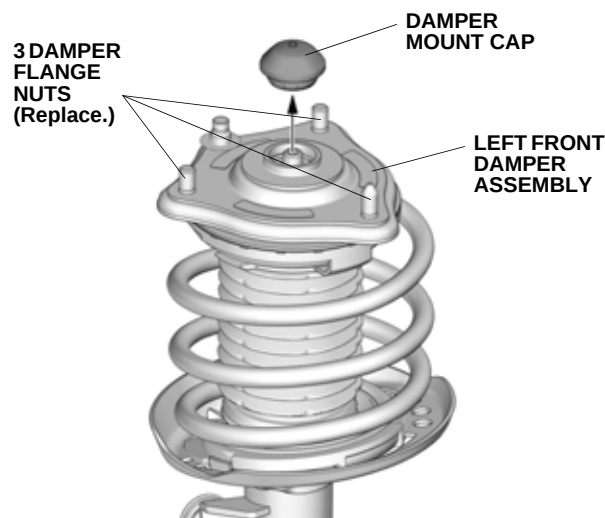
Installing the Sports Suspension

5. Raise the vehicle, and remove the left front wheel.



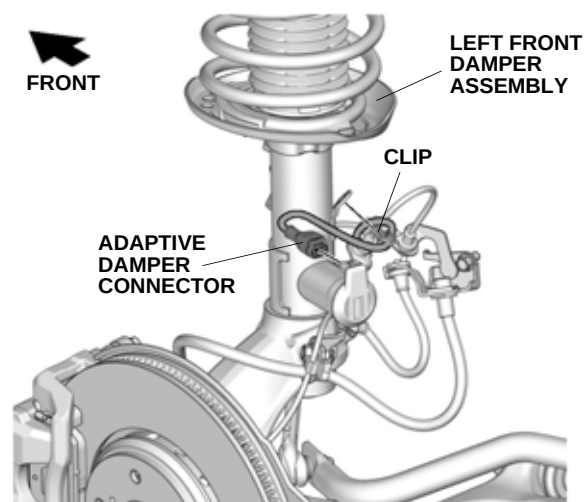
5 FRONT WHEEL NUTS
(Reuse.)
(Torque to 80 lb-ft
(108 N·m).)

6. With the vehicle on a lift and not raised, remove the damper mount cap from the left front damper assembly and loosen the three damper flange nuts.



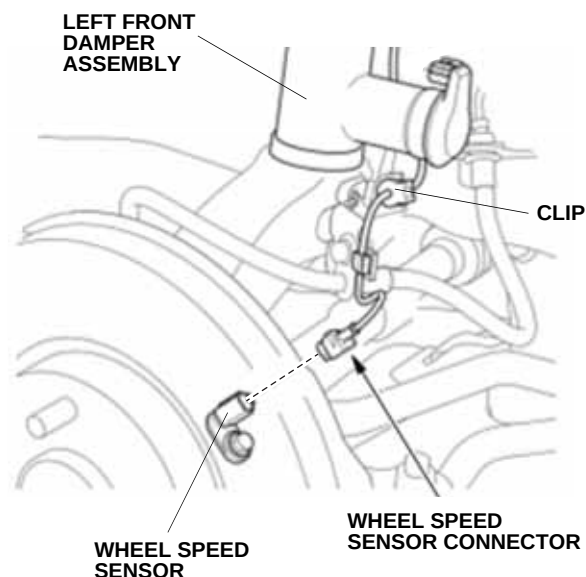
QF01901AT

7. Unplug the adaptive damper connector, and release the clip from the left front damper assembly.

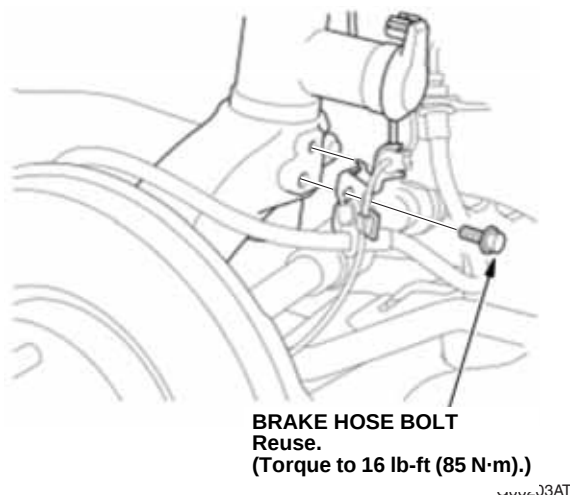


QF01902AT

8. Unplug the wheel speed sensor connector, and release the clip from the left front damper assembly. Then, remove the wheel speed sensor.



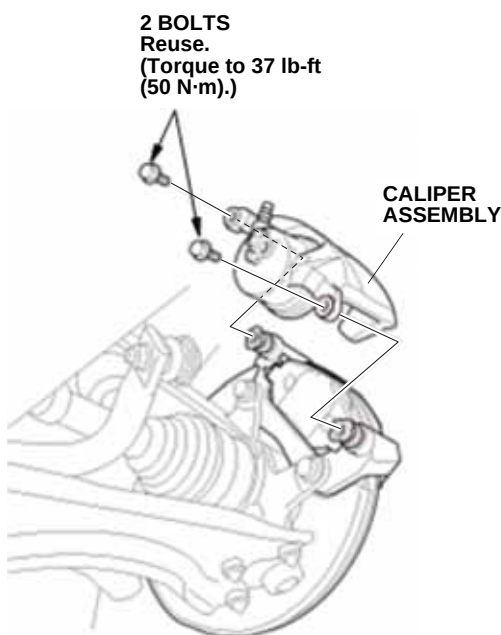
9. Remove the brake hose bolt.



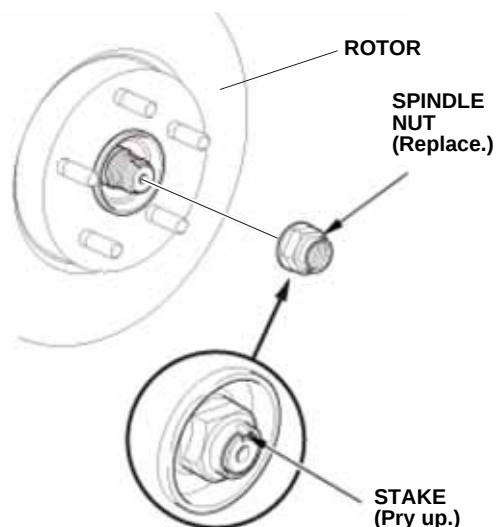
10. Remove the caliper assembly.

NOTE:

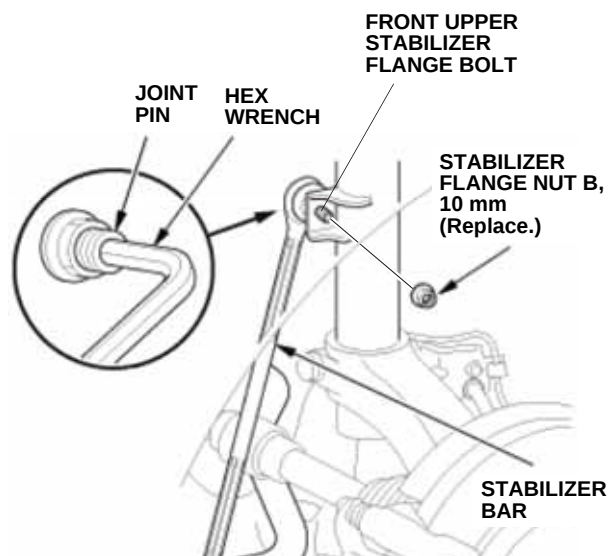
- To prevent damage to the caliper assembly or brake hose, use a short piece of wire to hang the caliper assembly from the undercarriage.
- Do not twist the brake hose excessively.



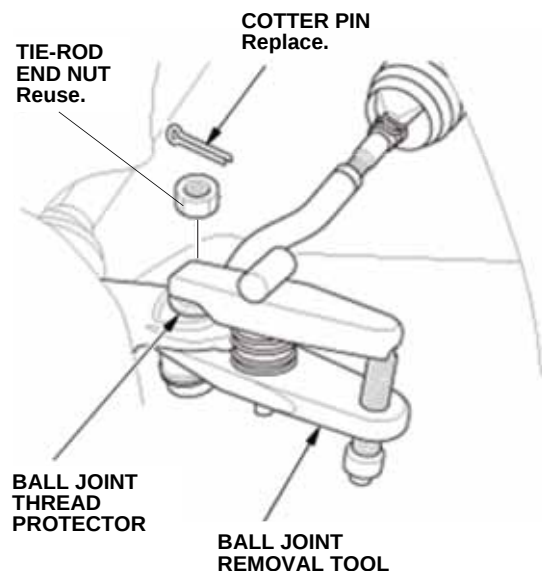
11. Pry up the stake on the spindle nut, and remove the spindle nut.



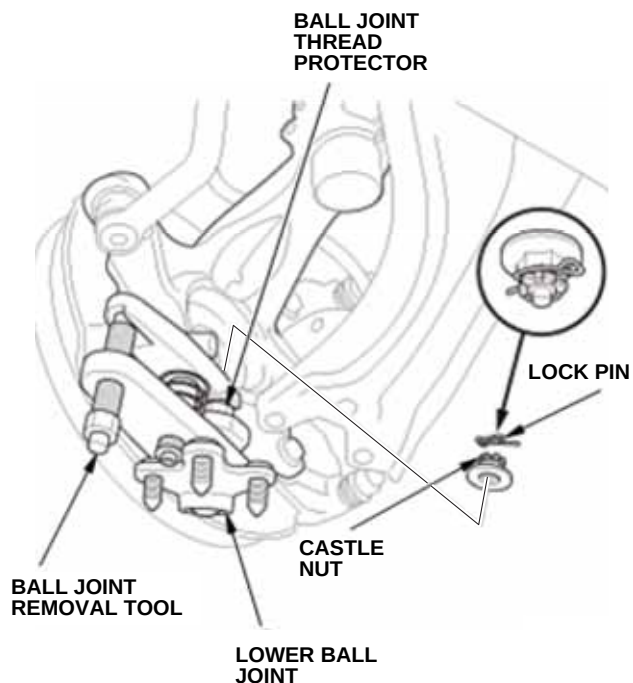
12. Release the front upper stabilizer flange bolt. Remove stabilizer flange nut B while holding the joint pin with a hex wrench.



13. Remove the cotter pin from the tie-rod end nut, and remove the tie-rod end nut. Using the ball joint removal tool, disconnect the tie-rod from the knuckle.

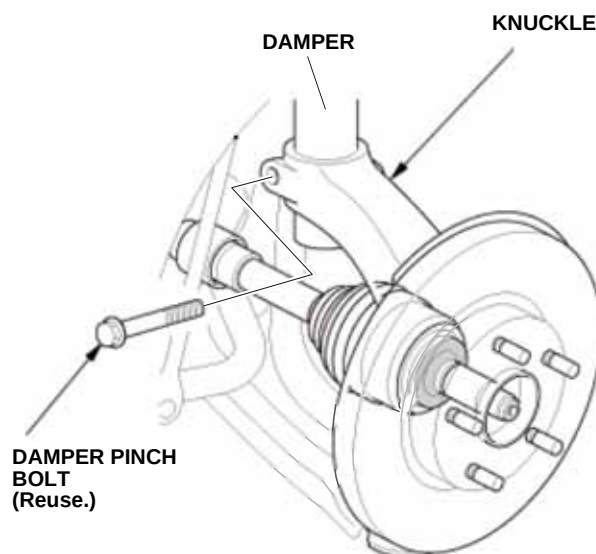


14. Remove the lock pin.
NOTE: During installation, install the lock pin as shown after tightening the castle nut.

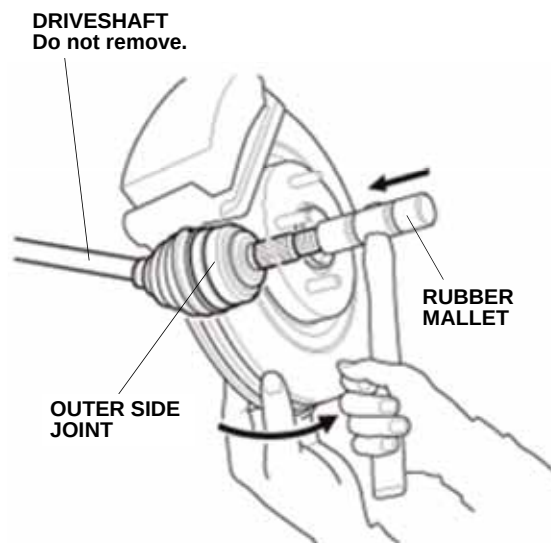


15. Remove the castle nut.
16. Disconnect the lower ball joint from the knuckle using the ball joint thread protector and the ball joint removal tool.
NOTE: Be careful not to damage the ball joint boot when installing the ball joint removal tool.

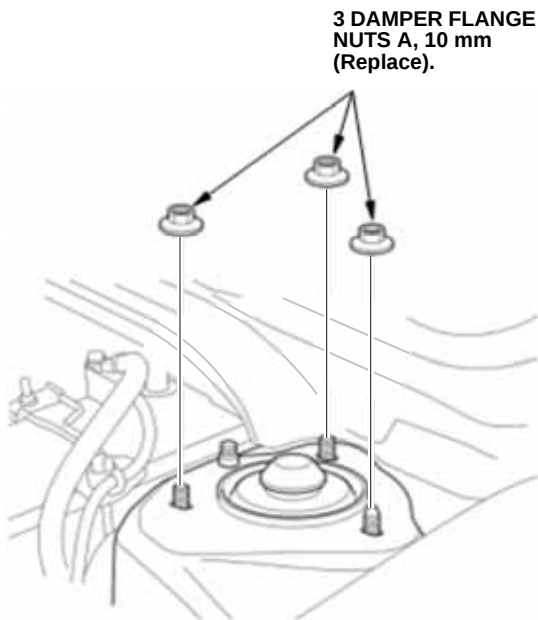
17. Remove the damper pinch bolt. Rotate the knuckle down, and remove the knuckle from the damper.



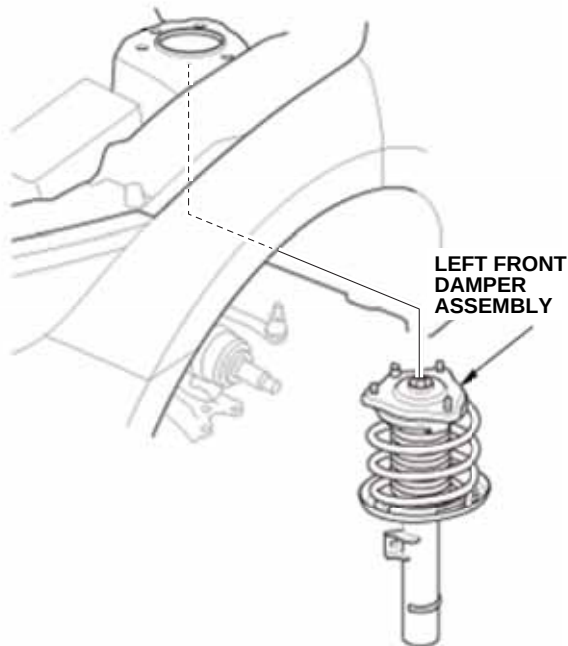
18. Pull the knuckle outward, and separate the outer side joint from the front hub using a rubber mallet.
NOTE: Do not remove the driveshaft from the differential.



19. While holding the damper, remove the three damper flange nuts loosened in step 6.



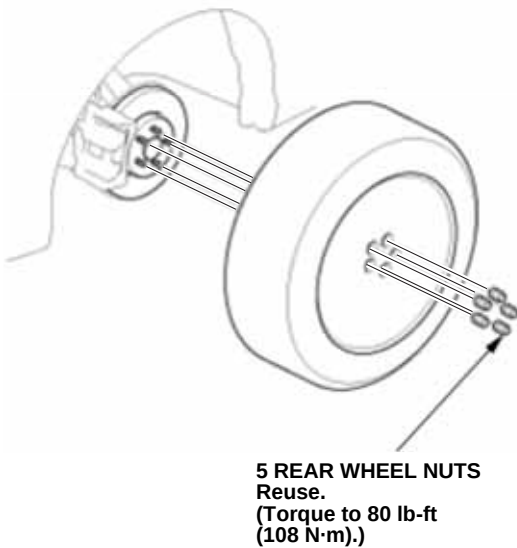
20. Remove the left front damper assembly.
NOTE: Be careful not to damage the clip on the wheel sensor when removing the left front damper assembly.



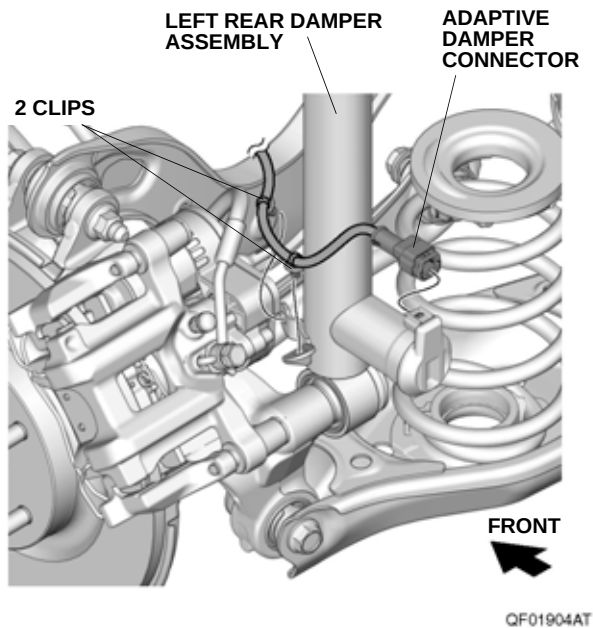
21. Install the new left front damper assembly.
NOTE: Do not fully tighten the bolts and nuts at this time.
- Install the upper part of damper into the tower, and loosely secure it with the three new flange nuts.
 - Install the lower ball joint with knuckle.
 - Install the lower part of the damper into the knuckle, and loosely secure it with the damper pinch bolt.
 - Install the remaining parts in the reverse order of removal, and connect the adaptive damper connector and wheel speed sensor connector.
22. Repeat steps 5 through 21 on the other side.
23. Load the suspension with the vehicle weight and torque as shown in step 42.
24. Repeat step 23 on the other side.

Installing the Rear Dampers

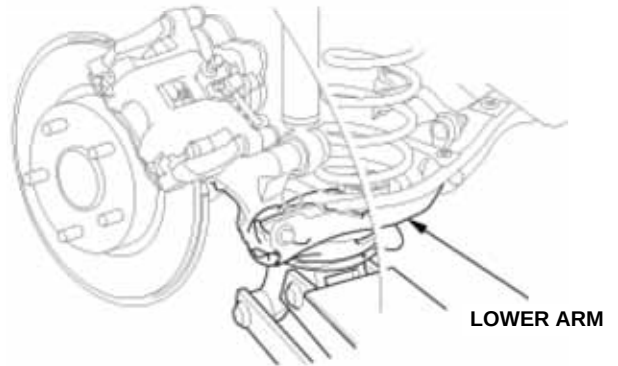
25. Remove the left rear wheel.



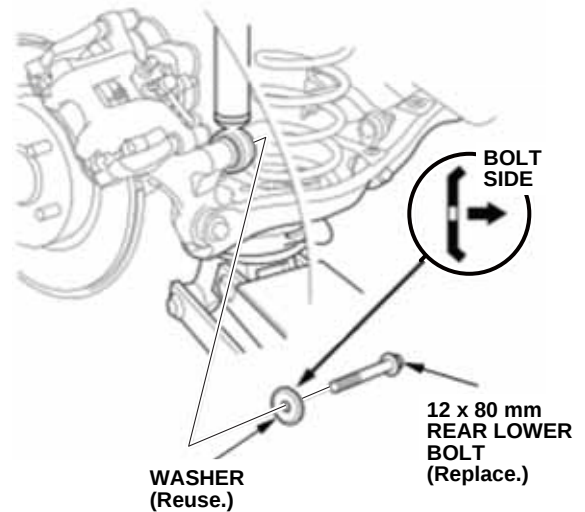
26. Unplug the adaptive damper connector, and release the two clips from the left rear damper assembly.



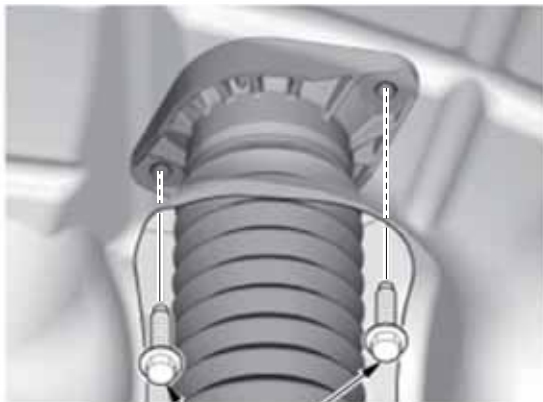
27. Position a floor jack under the lower arm, and raise the floor jack until the suspension begins to compress.



28. Remove the washer and the rear lower bolt.

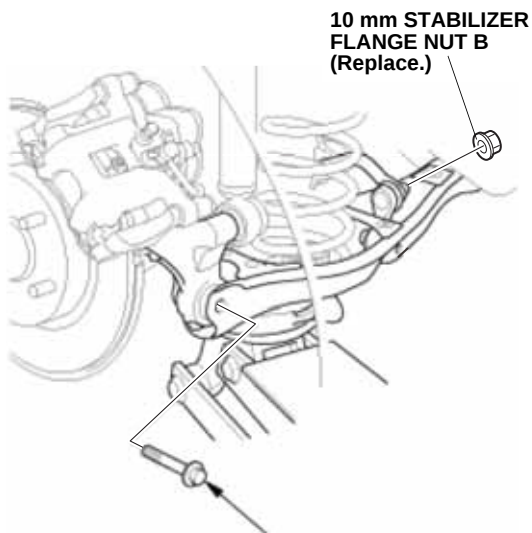


29. Remove the two upper rear damper flange bolts.



**2 UPPER REAR DAMPER
FLANGE BOLTS, 8 x 32 mm
(Replace.)**

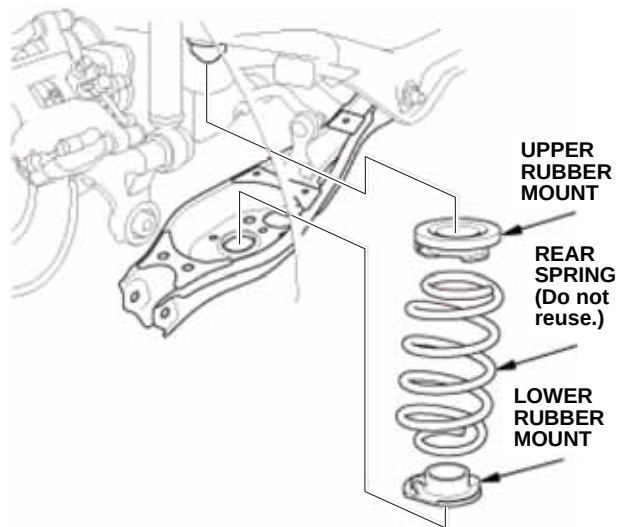
30. Remove the lower arm mounting bolt and 10 mm stabilizer flange nut B.



**LOWER ARM
MOUNTING BOLT
(Reuse.)**

**10 mm STABILIZER
FLANGE NUT B
(Replace.)**

31. Lower the floor jack gradually, and remove the rear spring, upper rubber mount, and lower rubber mount.

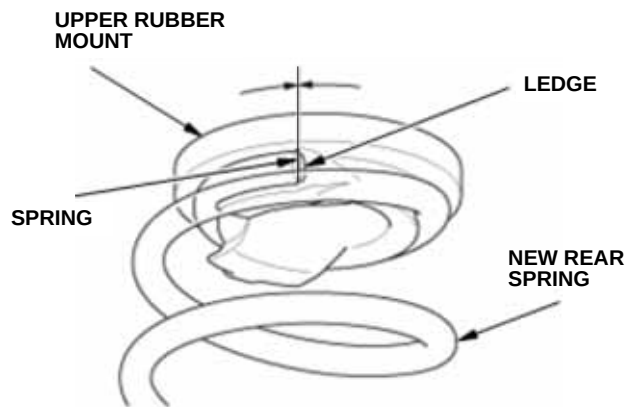


**UPPER
RUBBER
MOUNT**

**REAR
SPRING
(Do not
reuse.)**

**LOWER
RUBBER
MOUNT**

32. Install the upper rubber mount on the new rear spring, and line up the upper end of the new rear spring with the ledge in the upper rubber mount.



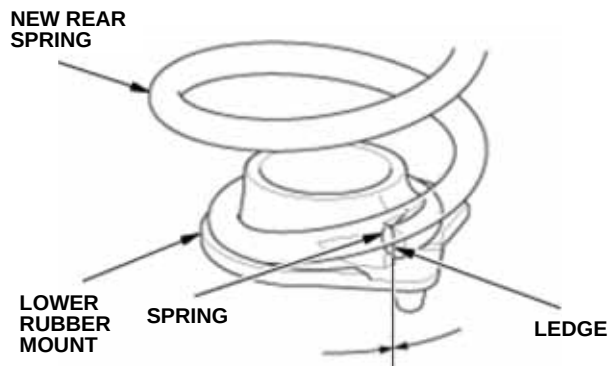
**UPPER RUBBER
MOUNT**

LEDGE

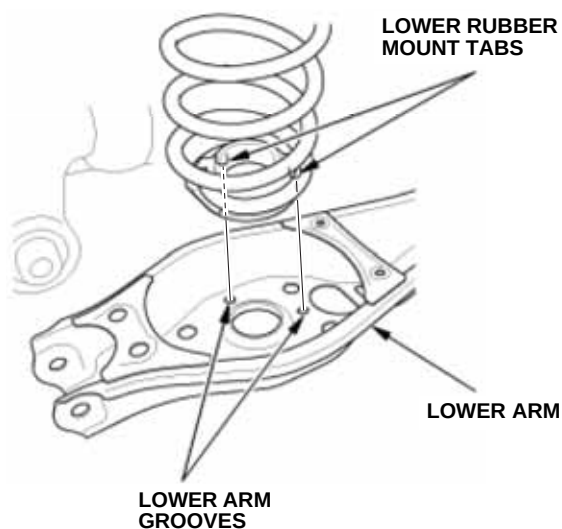
SPRING

**NEW REAR
SPRING**

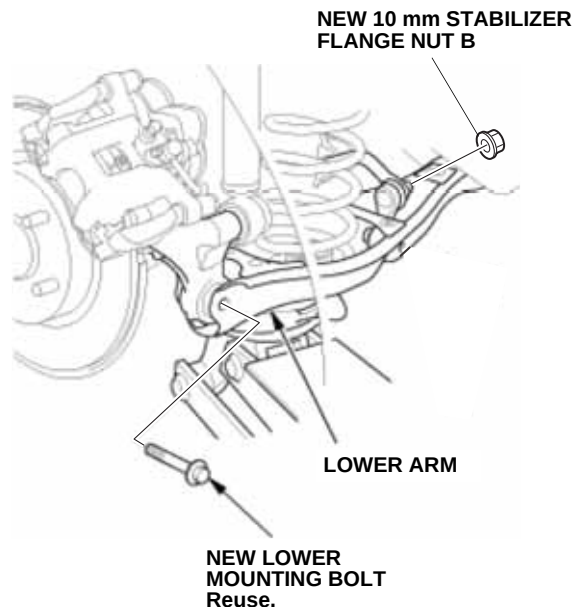
33. Install the lower rubber mount on the new rear spring and line up the lower end of the new rear spring with the ledge in the lower rubber mount.



34. Install the lower rubber mount tabs into the lower arm grooves, and install the spring assembly.
NOTE: Make sure that the lower rubber mount tab is properly installed into lower arm.

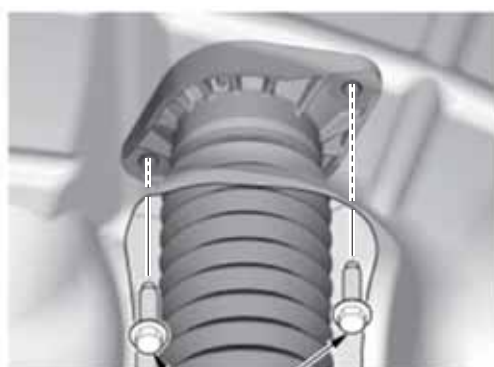
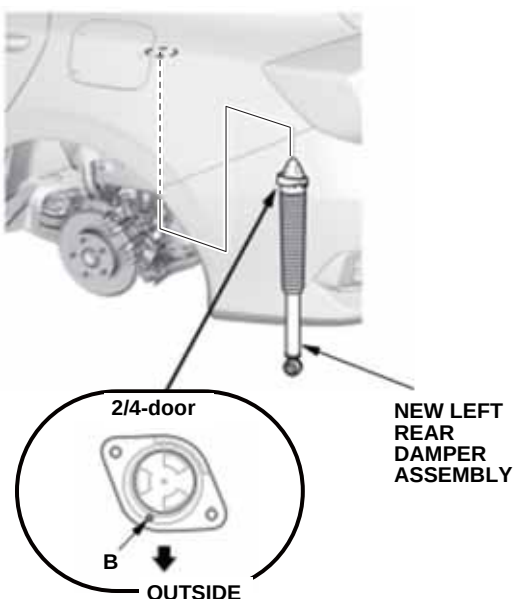


35. Slowly raise the lower arm with the floor jack until the bolt hole in the lower arm lines up with the bolt hole in the knuckle.

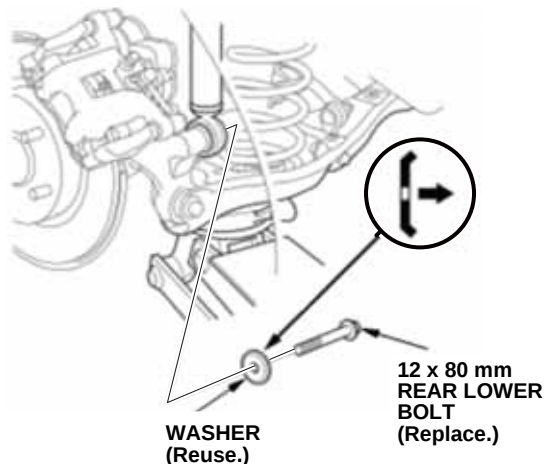


36. Loosely install the new lower mounting bolt and new stabilizer flange nut.
NOTE: Do not tighten it.

37. Install the new left rear damper assembly, and loosely tighten the rear lower bolt with washer.



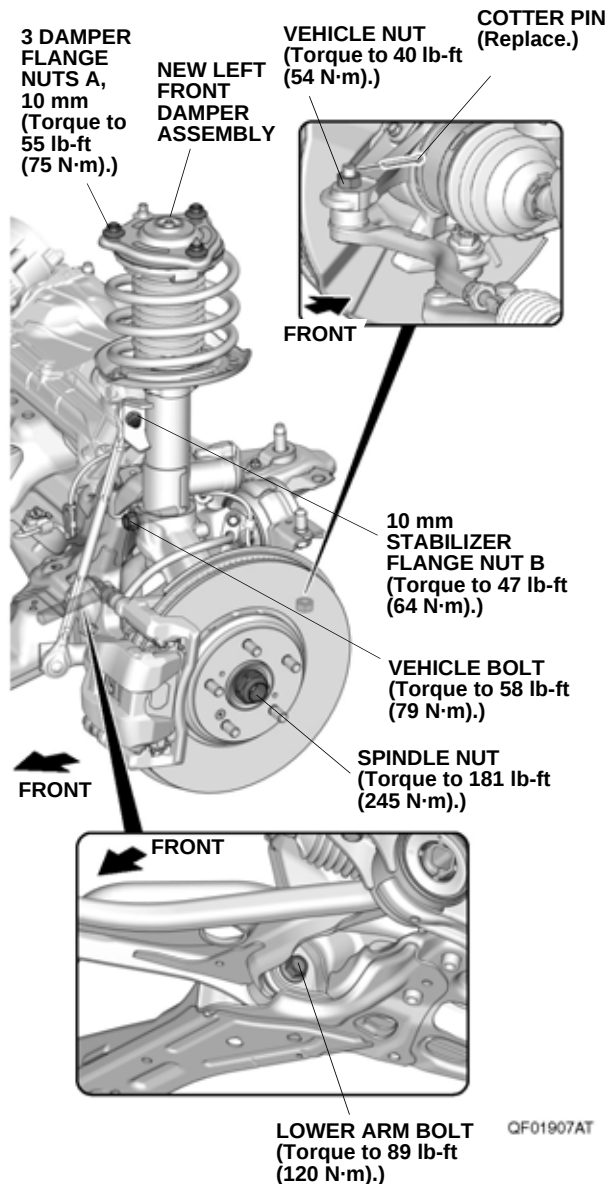
2 UPPER REAR DAMPER
FLANGE BOLTS, 8 x 32 mm
(Replace.)



38. Install the new left rear damper assembly.
NOTE: Do not fully tighten the bolts and nuts at this time.
- Install the upper part of damper into the tower, and loosely secure it with the three new flange nuts.
 - Install the lower part of damper into the knuckle, and loosely secure it with the damper pinch bolt.
 - Install the remaining parts in the reverse order of removal.
39. Repeat steps 25 through 37 on the other side.
40. Load the suspension with the vehicle weight and torque as shown in step 44.
41. Repeat step 40 on the other side.

Tightening the Specified Torque

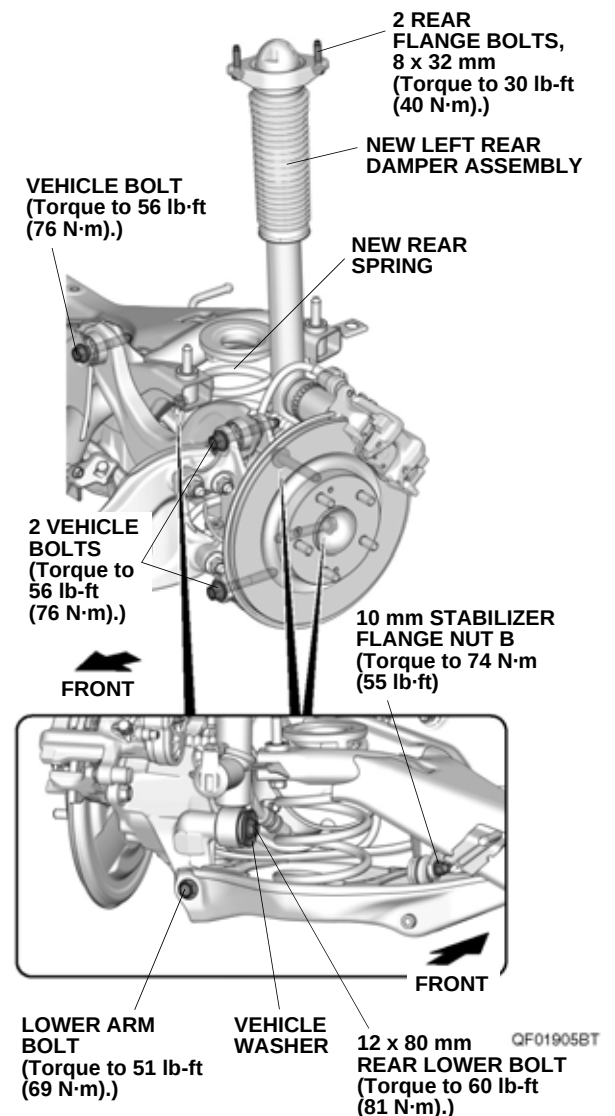
42. With the bolts and nuts loosely tightened, raise the suspension to load it with the vehicle weight.



43. Tighten the bolts and nuts.

- If the bolts and nuts are tightened without application of the vehicle weight, the strain of the rubber bushings will not be relieved and it will cause uneven tire wear. Also, the vehicle may not be lowered to the specified vehicle height.

44. With the bolts and nuts loosely tightened, raise the suspension to load it with the vehicle weight.



45. Tighten the bolts and nuts.

- If the bolts and nuts are tightened without application of the vehicle weight, the strain of the rubber bushings will not be relieved and it will cause uneven tire wear. Also, the vehicle may not be lowered to the specified vehicle height.

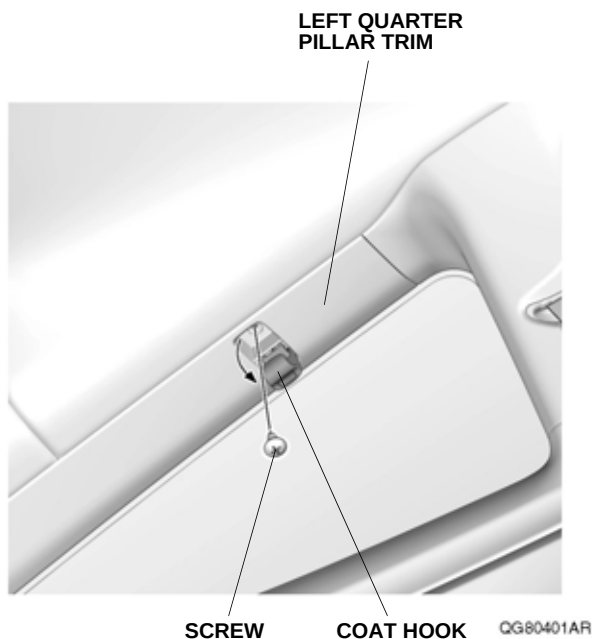
Installing the Adaptive Damper System Unit

If the vehicle is a 4-door model, go to step 54. If the vehicle is a 2-door model, continue with step 46.

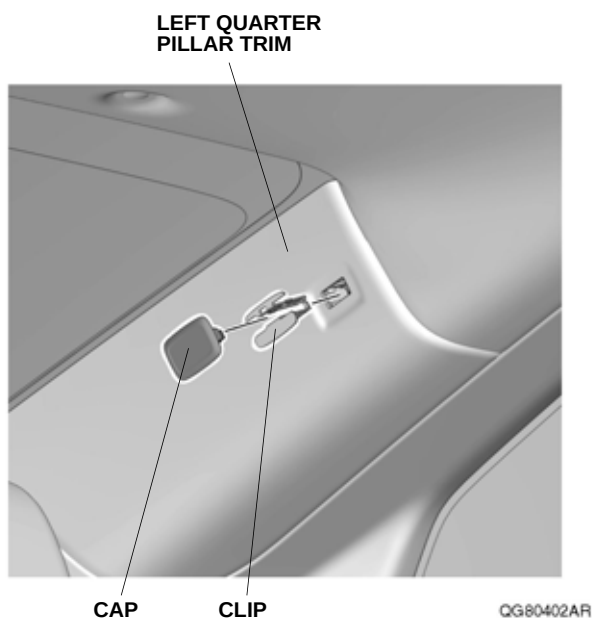
2-Door Models

46. Remove the left quarter pillar trim.

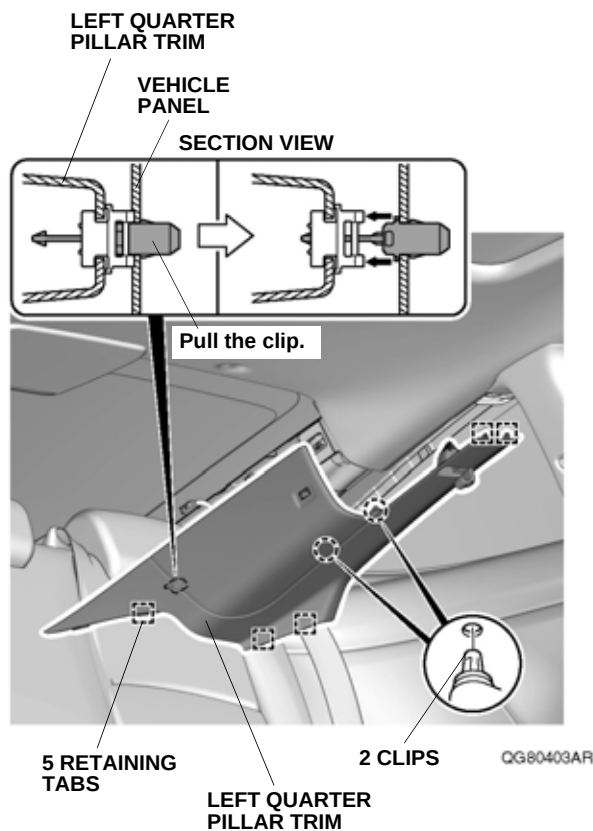
- Lower the coat hook.
- Remove the screw.



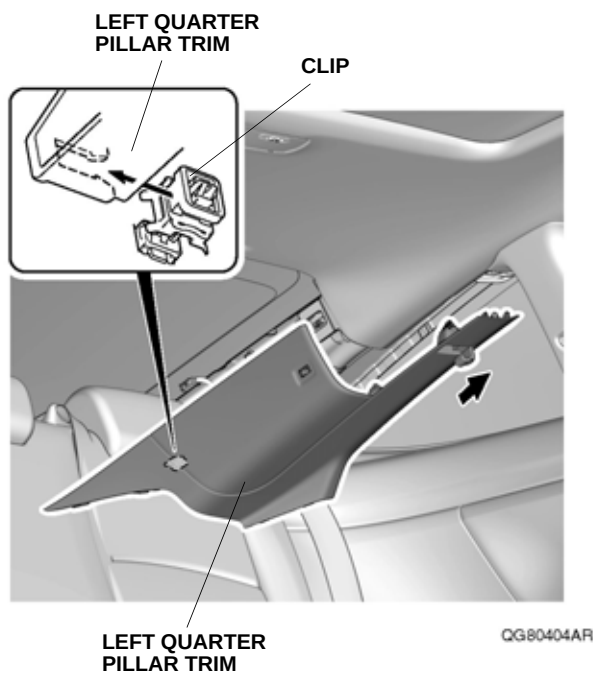
- Remove the cap and clip.



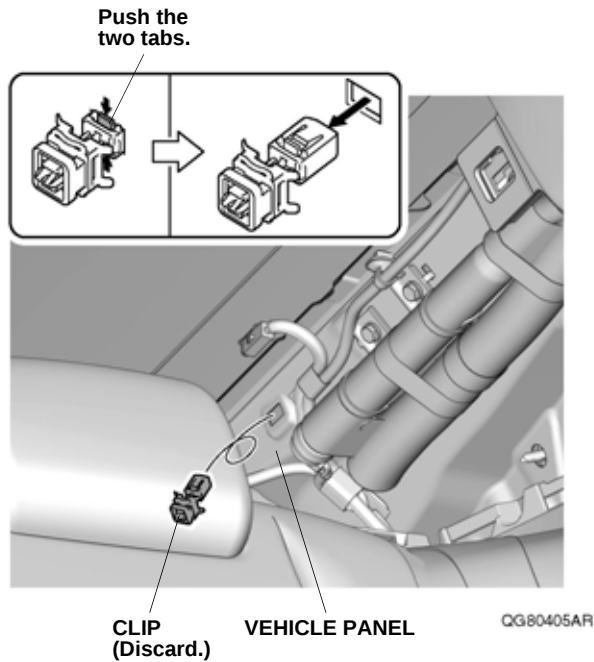
- Pull out on the left quarter pillar trim to release the three clips and five retaining tabs.



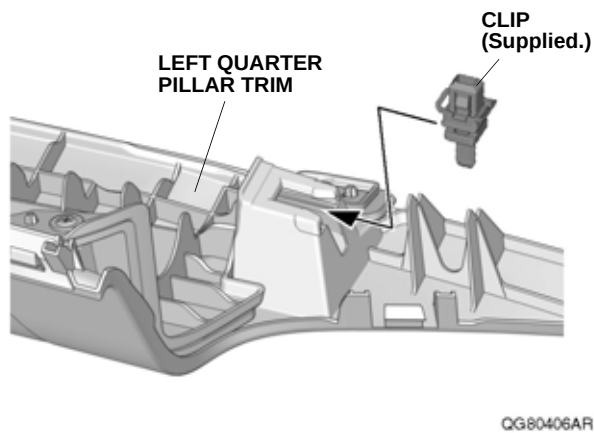
- Slide the left quarter pillar trim upward, and remove the left quarter pillar trim.



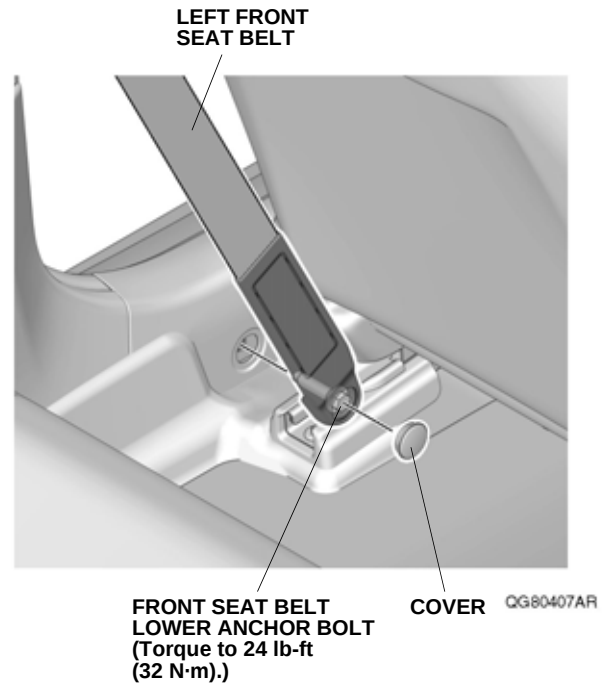
- Remove the clip from the vehicle panel.



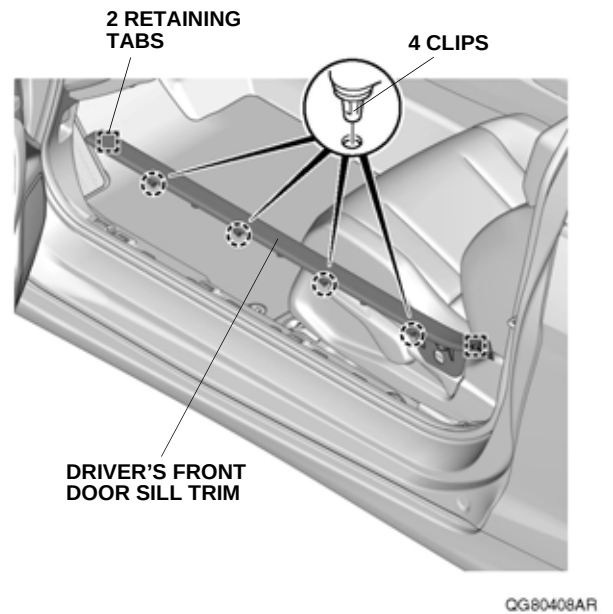
- Install the new clip (supplied) to the left quarter pillar trim.



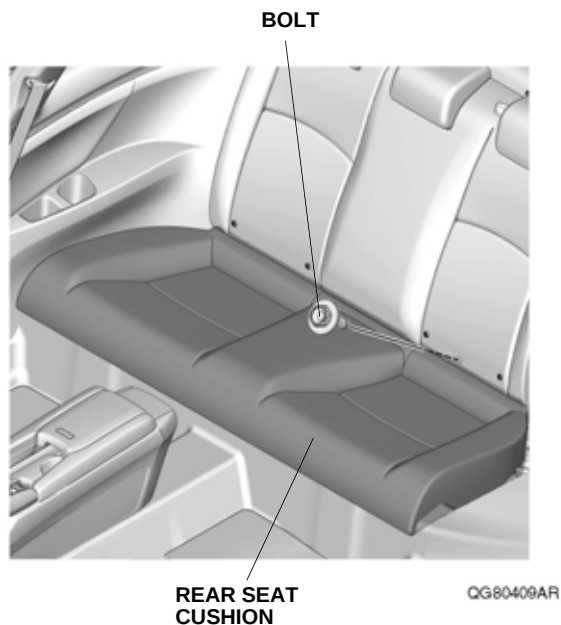
- Remove the front seat belt lower anchor bolt.



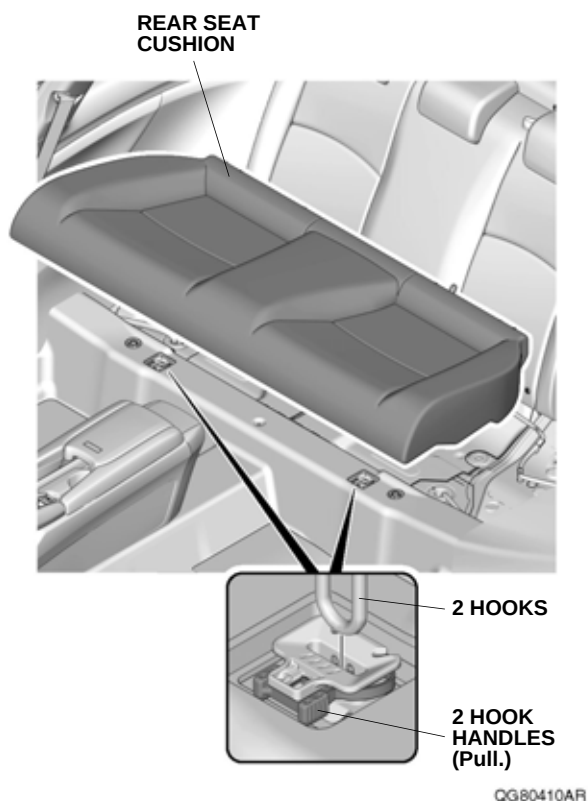
- Remove the driver's front door sill trim.



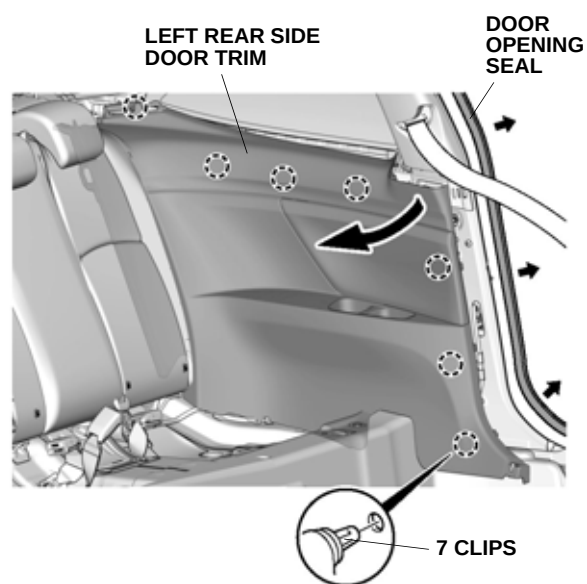
49. Remove the bolt from the rear seat cushion.



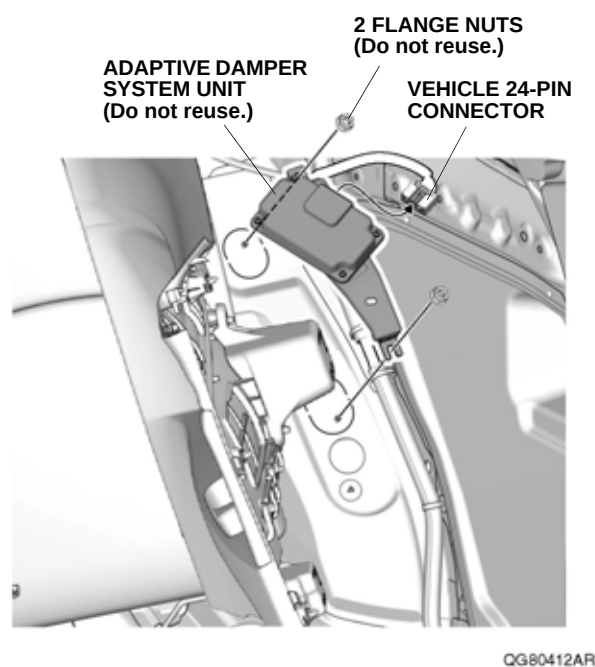
50. Remove the rear seat cushion.



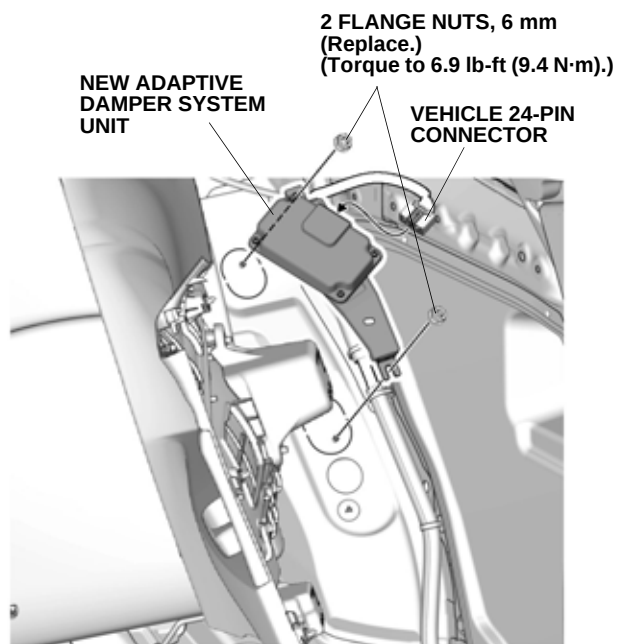
51. Pull away the door opening seal, and release the left rear side door trim.



52. Remove the adaptive damper system unit.



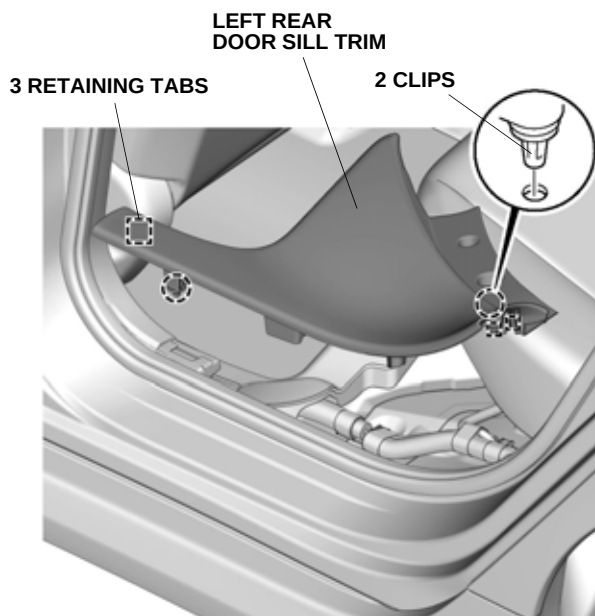
53. Plug the vehicle 24-pin connector into the new adaptive damper system unit, and secure it to the vehicle using the two 6 mm flange nuts. Go to step 58.



QG80413AR

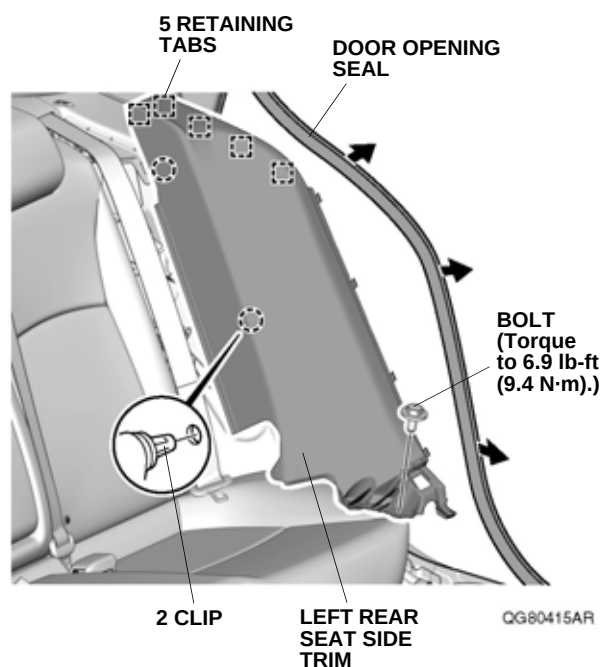
4-Door Models

54. Remove the left rear door sill trim.



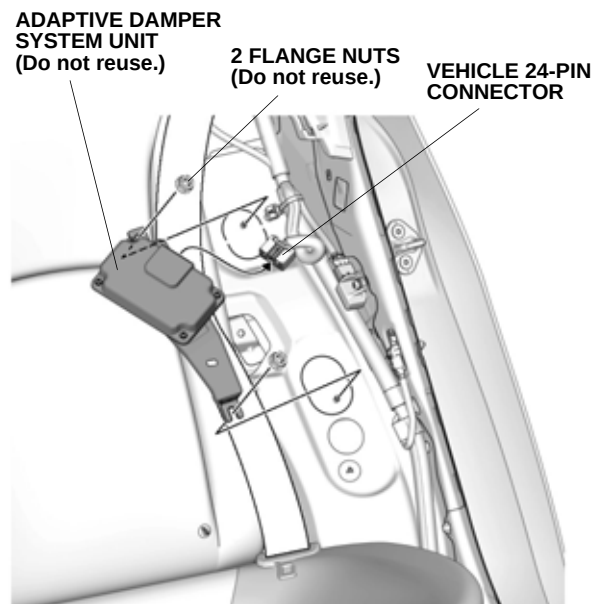
QG80414AR

55. Pull away the door opening seal, and remove the left rear seat side trim.



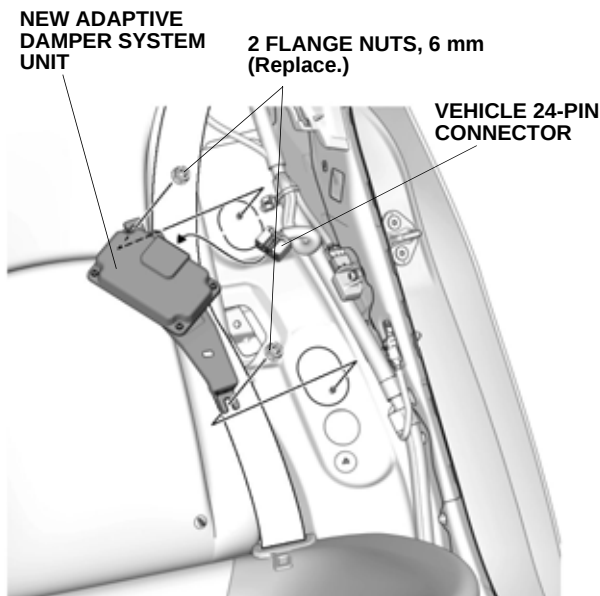
QG80415AR

56. Remove the adaptive damper system unit.



QG80416AR

57. Plug the vehicle 24-pin connector into the new adaptive damper system unit, and secure it to the vehicle using the two 6 mm flange nuts.



QG80417AR

58. Attach the Important Information page included in this kit to the owner's guide. To install this page to the owner's guide, refer to the Dealer label attached to the Important Information page. Make sure your customer is aware of this.
59. Check that all wire harnesses are routed properly and all connectors are plugged in.
60. Check the overlap between the headliner and any trim removed. If necessary, refer to the service information to adjust any overlap.
61. Install all removed parts.
62. Connect the negative cable to the battery.
63. Press and hold the audio unit power button for 2 seconds to restore the audio and navi (if equipped) system functions.
64. Set the clock.
65. If necessary, restore the systems back to normal operation as described in the service information.

TOE ADJUSTMENT

	RIDE HEIGHT	CAMBER		TOE	
		(NEGATIVE)			
Front	0 mm	0°20´	± 30´	0 mm	± 2 mm
Rear		1°20´	± 45´	in 2 mm	+2 mm
					-1 mm

HEADLIGHT AIMING ADJUSTMENT

Adjust the headlight aim as described in the service information. Also adjust the fog light aim (if equipped).