

**July 8, 2016**

04145 Version 1

## Squeak From the Front Suspension

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2015–16	Odyssey	ALL	ALL

### SYMPTOM

There is a squeak from the front suspension when going over bumps.

### POSSIBLE CAUSES

Damper oil from the assembly has contaminated the bump stop rubber.

### CORRECTIVE ACTION

Replace both front rubber bump stops.

### PARTS INFORMATION

Part Name	Part Number	Quantity
Rubber Bump Stop	51722-TK8-A21	2
Flange Bolt	90119-SHJ-A00	4
Flange Nut (16 mm)	90382-SP0-003	4
Flange Nut (10 mm)	90304-S10-024	6
Self-Locking Nut	90213-SHJ-L01	2

**CUSTOMER INFORMATION:** The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Honda automobile dealer.

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
4141D0	Replace the rubber bump stops in the front damper assemblies <b>(no alignment required)</b> . Includes test-drive.	1.6 hrs	03214	04201	16-050A	51722-TK8-A21
4141D0	Replace the rubber bump stops in the front damper assemblies <b>(with alignment)</b> . Includes test-drive.	1.6 hrs	03214	04201	16-050B	51722-TK8-A21
A	Alignment- add	0.4 hr				

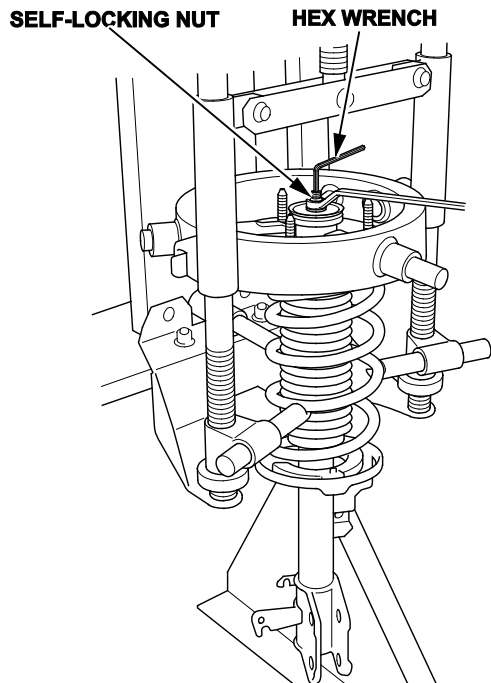
Skill Level: Repair Technician

## DIAGNOSIS

1. Test-drive the vehicle to make sure the noise is coming from the front suspension.
- If the noise is coming from the front suspension, go to step 2.
  - If the noise is not coming from the front suspension, continue with normal troubleshooting.

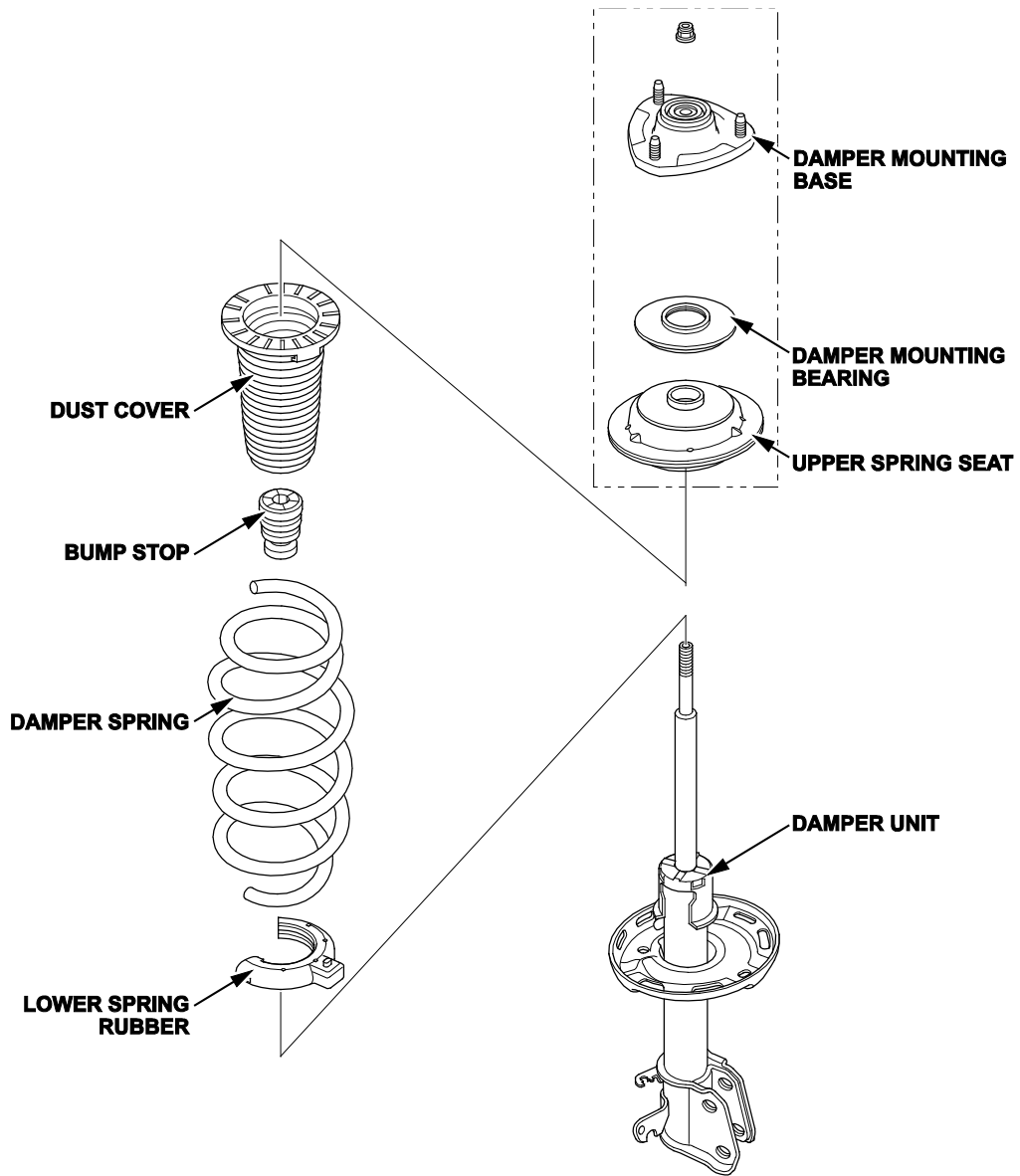
## REPAIR PROCEDURE

1. Remove the left front damper assembly. See the service information for more details.
2. Compress the damper spring, then remove the self-locking nut while holding the damper shaft with a hex wrench. Do not compress the damper spring more than necessary to remove the self-locking nut.

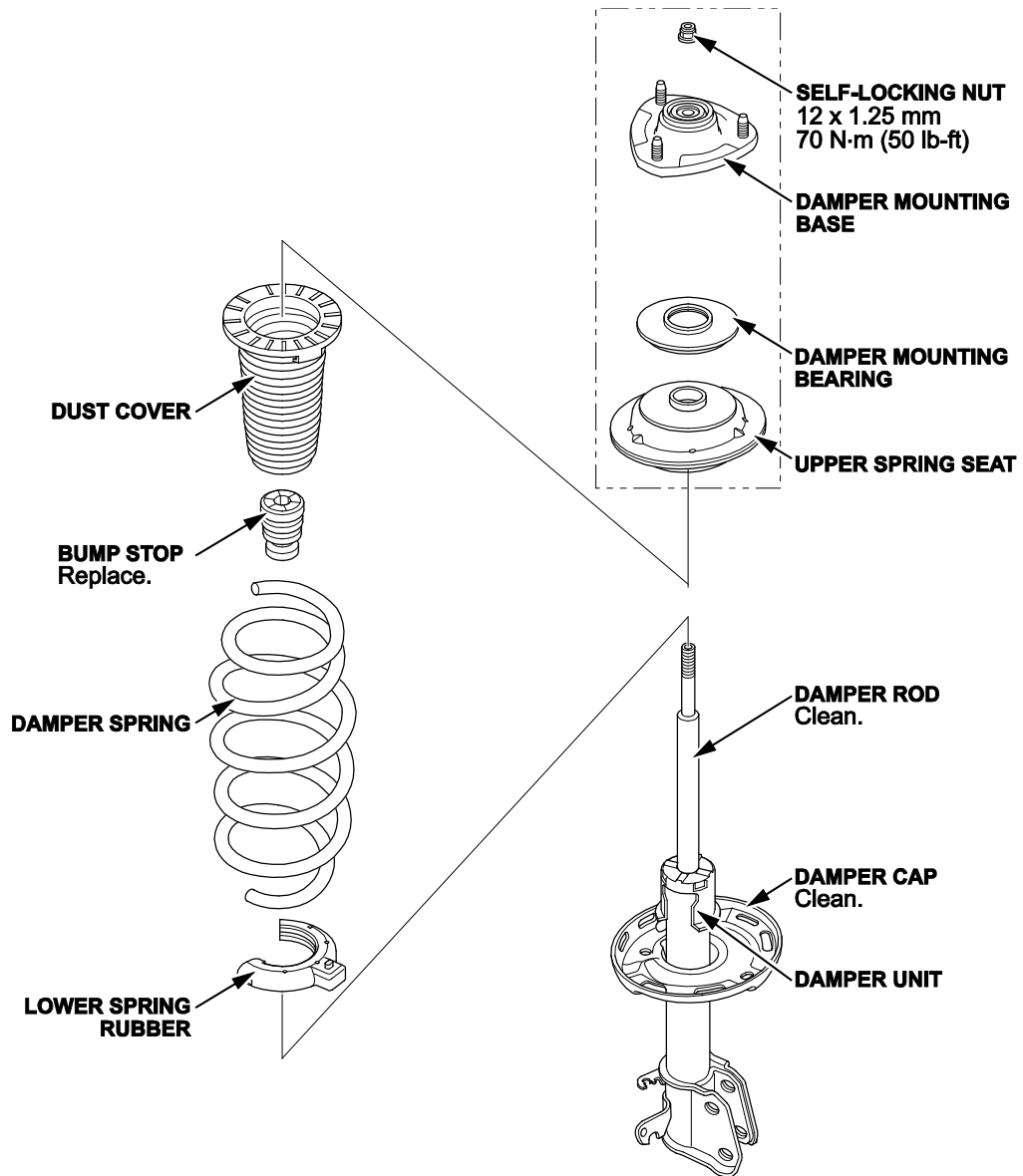


3. Release the pressure from the spring compressor.

4. Remove the damper mounting base, damper mounting bearing, upper spring seat, dust cover, rubber bump stop, damper spring, and lower spring rubber from the damper.

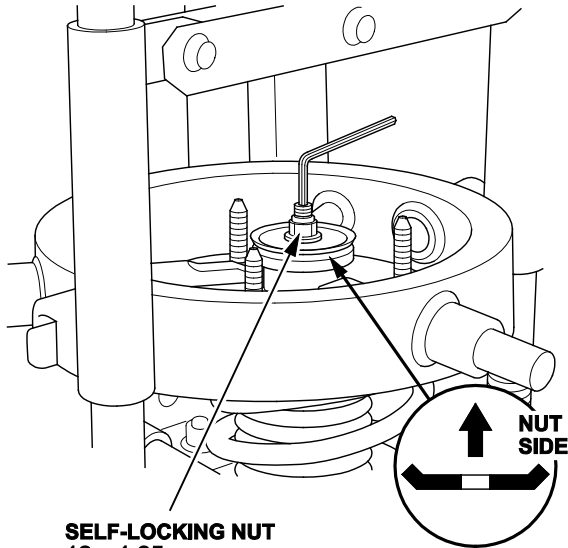


5. Replace the rubber bump stop.



6. Make sure the damper rod and damper cap are clean and clear of any residual oil or grease. Reassemble the damper assembly.
7. Reattach the dust boot to the damper cap.

8. Install a new self-locking nut and torque it to (without damper mounting washer type) **70 N·m (52 lb-ft)**, (with damper mounting washer type) **57 N·m (42 lb-ft)**.



**SELF-LOCKING NUT**

12 x 1.25 mm

without damper mounting washer type:

70 N·m (52 lb-ft)

with damper mounting washer type:

57 N·m (42 lb-ft)

Replace

9. Loosely install the damper assembly with the new upper flange nut.

**UPPER FLANGE NUTS (3)**

10 x 1.25 mm

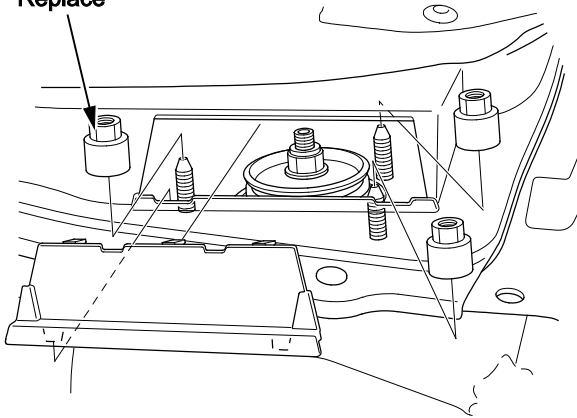
without damper mounting washer type:

69 N·m (51 lb-ft)

with damper mounting washer type:

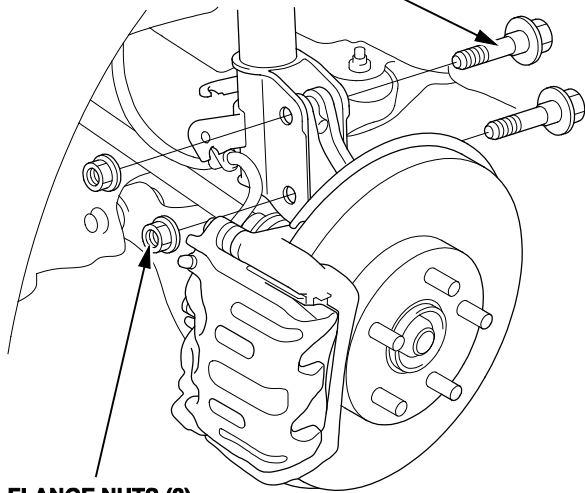
59 N·m (44 lb-ft)

Replace



10. Loosely install new damper pinch bolts and new flange nuts.

**DAMPER PINCH BOLTS (2)**  
16 x 1.25 mm  
175 N·m (129 lb-ft)  
Replace

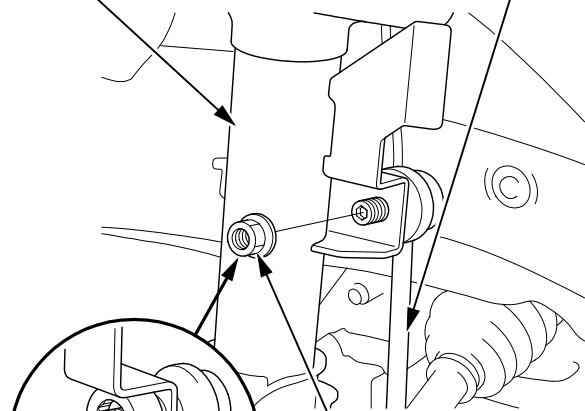


**FLANGE NUTS (2)**  
Replace

11. Connect the stabilizer link to the damper and loosely install the flange nut.

**DAMPER**

**STABILIZER LINK**

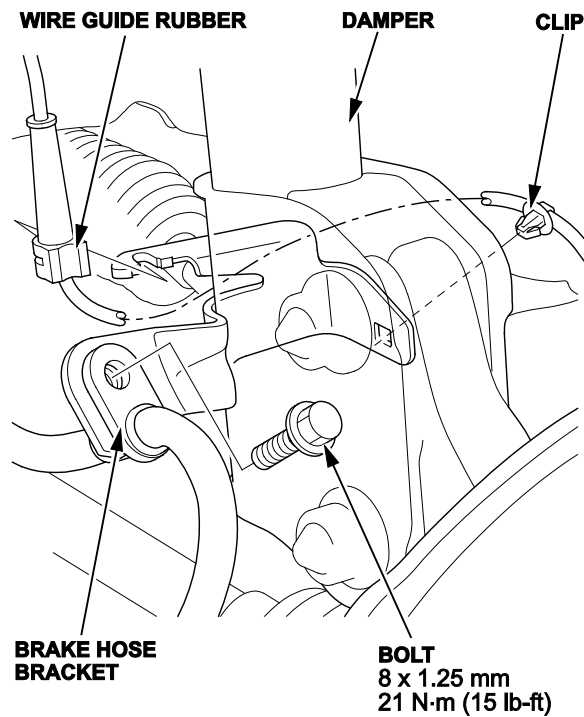


**FLANGE NUT (2)**  
12 x 1.25 mm  
79 N·m (58 lb-ft)

**HEX  
WRENCH**

**JOINT  
PIN**

12. Tighten the flange nut while holding the joint pin with the hex wrench to **79 N·m (58 lb-ft)**.
13. Tighten the flange nuts on top of the damper to (without damper mounting washer type) **69 N·m (51 lb-ft)** (with damper mounting washer type) **59 N·m (44 lb-ft)**.
14. Tighten the damper pinch bolts while holding the flange nuts to **175 N·m (125 lb-ft)**.
15. Install the brake hose bracket to the damper and tighten the bolt to **21 N·m (15 lb-ft)**.



16. Install the wire guide rubber and the clip to the damper.
17. Clean the mating surfaces between the brake disc and the inside of the wheel, then install the front wheel.
18. Repeat steps 1-17 for the right front.
19. Check the wheel alignment and adjust if necessary.

END