

October 20, 2016

05046 Version 1

## Pop or Clunk from the Rear Suspension in Cold Weather

### AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2013–16	RDX	ALL	ALL
2017	RDX	All 2WD	5J8TB3...HL [REDACTED] thru 5J8TB3...HL [REDACTED]
2017	RDX	All 4WD	5J8TB4...HL [REDACTED] thru 5J8TB4...HL [REDACTED]

### SYMPTOM

There is a pop or clunk from the rear suspension when driving on a rough road in cold weather with temperatures below 50°F.

### POSSIBLE CAUSES

The rear damper upper mount bushing material is too hard.

### CORRECTIVE ACTION

Replace both rear upper damper mount bushings.

### REQUIRED MATERIALS

Part Name	Part Number	Quantity
Rear Damper Upper Bushing	52631-SNA-A22	2
Center Damper Nut	90364-SNA-003	2

### WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Defect Code	Symptom Code	Flat Rate Time	Template ID	Failed Part Number
4171E7	Replace both rear upper damper mount bushings.	03217	04201	0.5 hr	16-059N	52631-TX4-A01

Skill Level: Repair Technician

**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.

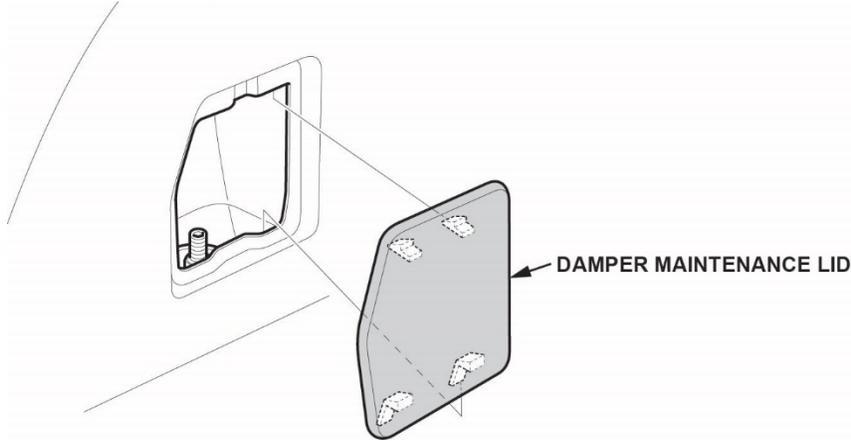
## DIAGNOSIS

1. With the vehicle cold-soaked and the ambient temperature at 50°F or below, drive the vehicle on a rough road.  
If you hear a pop or clunk from the rear dampers, park the vehicle inside the shop and wait for about 30 minutes or until the temperature of the rear damper upper bushings are above 50°F (This can be confirmed with an Infrared thermometer) and then continue with step 2.
2. After the suspension components have warmed up to above 50°F, drive the vehicle on the same road where you heard the pop or clunk before.
  - If there is no noise from the rear suspension, continue to REPAIR PROCEDURE.
  - If you hear the same noise, this bulletin does not apply. Continue with normal troubleshooting.

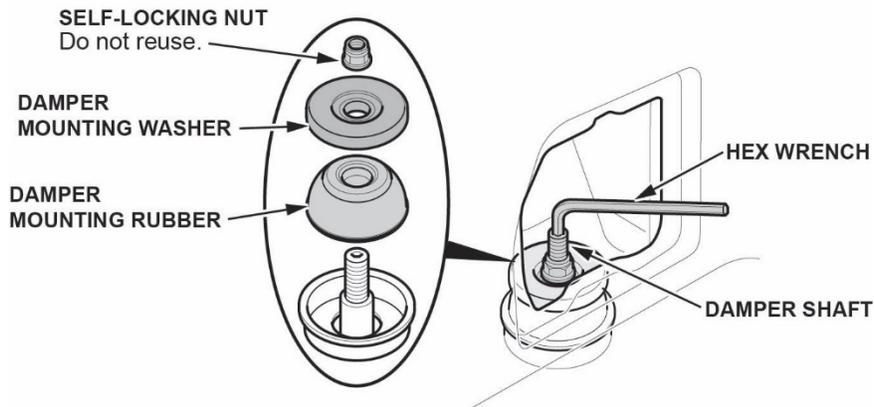
## REPAIR PROCEDURE

NOTE: The following repair should be completed with the suspension loaded.

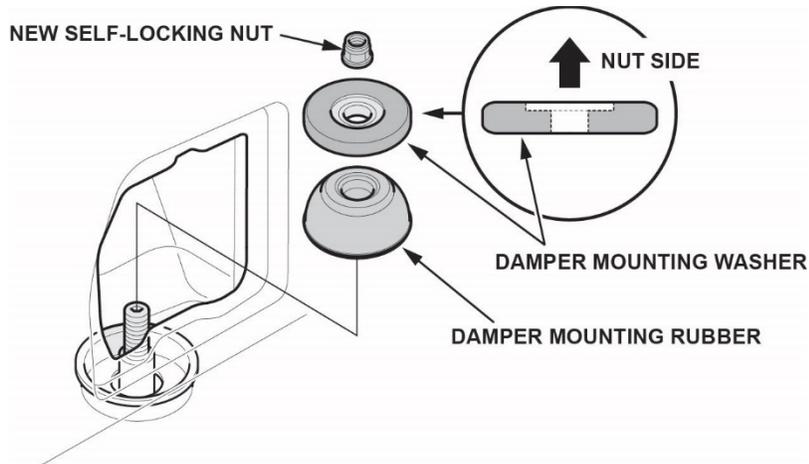
1. Remove the damper maintenance lid.



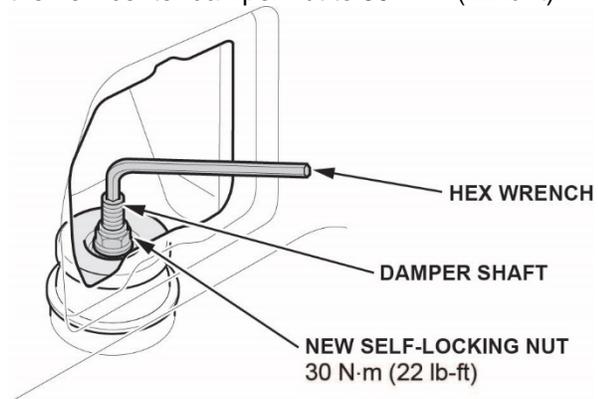
2. Remove the self- locking nut while holding the damper shaft with a hex wrench.



3. Remove the damper mounting washer, and remove the upper damper mount rubber bushing .



4. Install the new upper damper mount rubber bushing. Reinstall the damper mounting washer as shown and torque the new center damper nut to 30 N·m (22 lb-ft).



5. Repeat steps 1 thru 4 on the opposite side.

END