

November 3, 2020

Version 1

## Rear Engine Mount Chirps

### AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2018	MDX 2WD	ALL	5J8YD3.....000303 and later
2018	MDX AWD	ALL	5J8YD4.....000186 and later
2019	MDX	ALL	ALL

### SYMPTOM

A chirping in the cabin with the engine running, the transmission in Drive, and the engine at operating temperature.

### POSSIBLE CAUSE

An issue with the rear engine mount can cause internal components to wear prematurely. This may cause a chirping once the engine warms up.

### CORRECTIVE ACTION

Do the diagnosis and, based on the results, replace the rear engine mount.

### PARTS INFORMATION

Part Name	Part Number	Quantity
Rubber Assy., RR. Engine Mounting (ACM)	50810-TZ5-A03	1
Flange Nut (12 mm)	90371-SAA-010	2
Flange Bolt (10 x 35)	90163-SDA-A01	1
Flange Bolt (10 x 16)	90178-SDA-A00	2
Flange Bolt ( 10 x 30)	90161-T2F-A01	2
Flange Bolt (10X25)	90167-SAA-010	4
Ex Pipe Gasket	18212-SA7-003	2
Ex Chamber Gasket	18115-5G0-A01	1
Self-Lock Nut (8 mm)	90212-RCA-A01	4
Self-Lock Nut (10 mm)	90212-SA5-003	9
Pre Chamber Gasket	18393-SDB-A00	1

**CLIENT 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 Acura automobile dealer.

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
112103	Diagnose and replace the rear engine mount.	2.0 hr.	00504	04205	B20041A	50810-TZ5-A02

Skill Level: Repair Technician

## DIAGNOSIS

1. Start the engine, and make sure it warms up to operating temperature (the cooling fans cycle twice).
2. Put the transmission in Drive, and apply the parking brake. Place a stethoscope or a long, thin screwdriver on the airbag mounting bolt, and listen for a chirp. Click on the sound clip below to hear an example of the chirping.



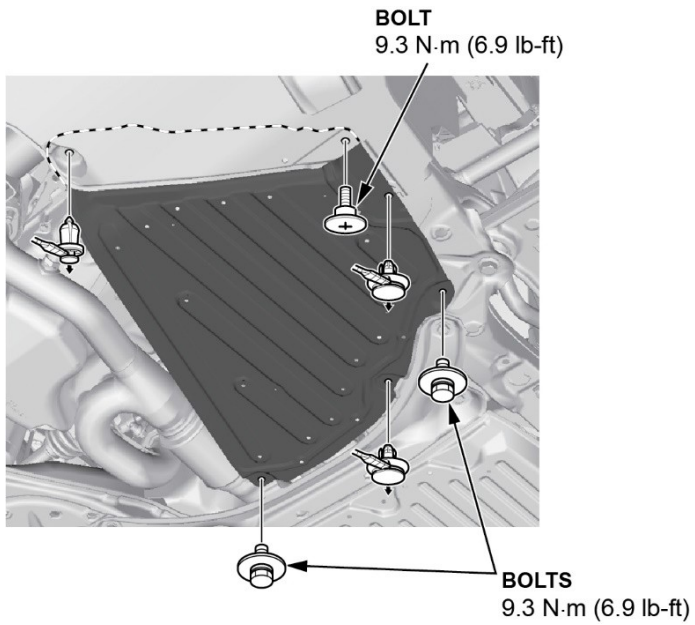
AIRBAG  
MOUNTING  
BOLT



Rear Engine Mount Chirp.

- If you hear the chirping from this location, continue to step 3.
- If you hear chirping coming from the high pressure fuel pump, refer to S/B 16-008, *High Pressure Fuel Pump Chirps*.
- If you hear chirping coming from the timing belt area, refer to S/B 14-025, *Timing Belt Chirps*.
- If you do not hear the chirping, this service bulletin does not apply. Continue with normal troubleshooting.

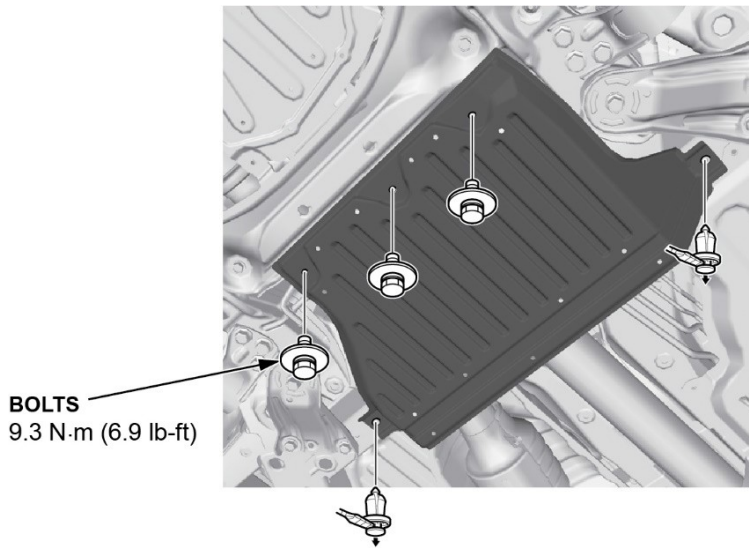
3. Raise the vehicle on a lift and remove the engine undercover.



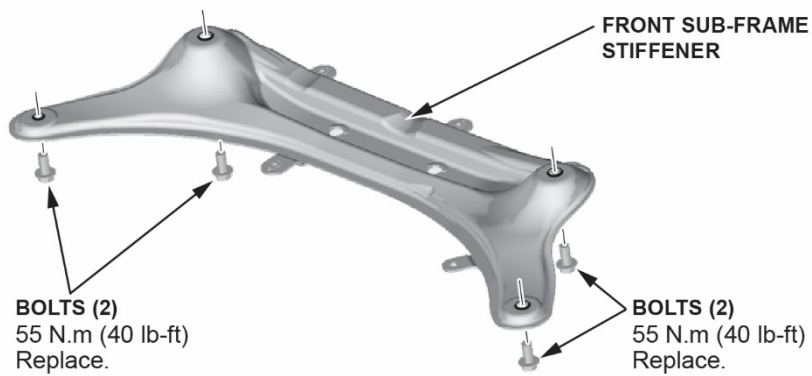
4. Unplug the connector to the rear engine mount, then lower the vehicle, and listen for the chirp at the airbag mounting bolt again.
- If the chirping stops, proceed to REPAIR PROCEDURE.
  - If you still hear the chirping, this bulletin does not apply. Connect the connector, and continue with normal system troubleshooting.

## REPAIR PROCEDURE

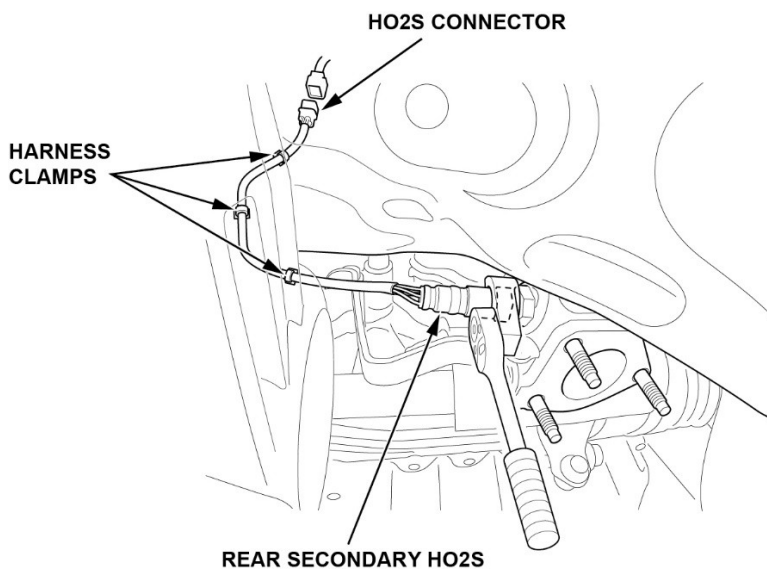
1. Remove the transmission undercover.



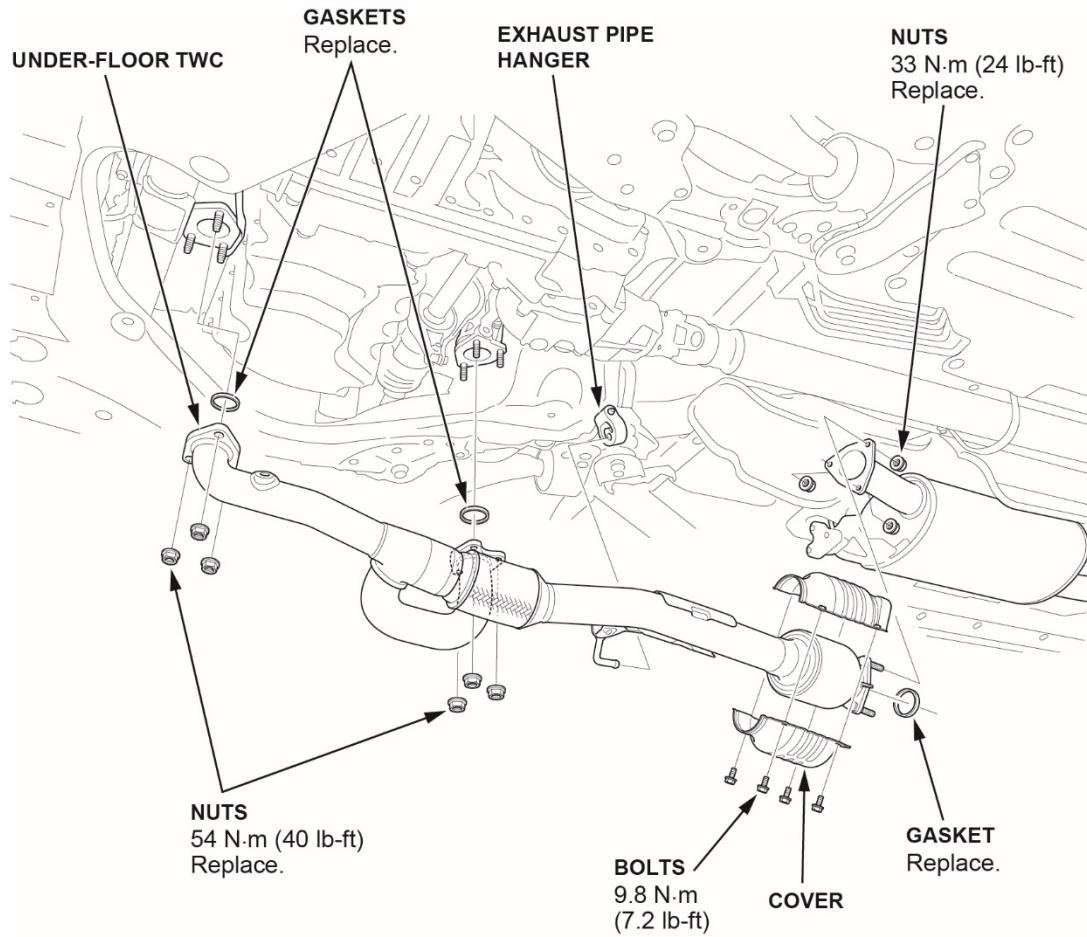
2. Remove the front sub-frame stiffener.



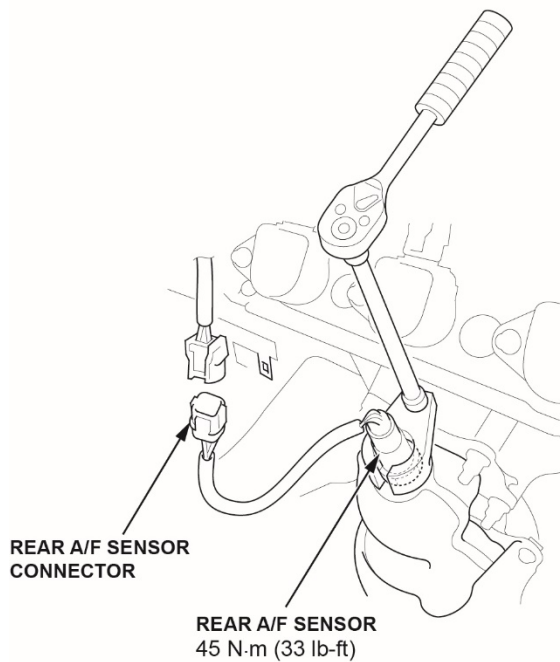
3. Disconnect and remove the rear secondary heated oxygen sensor.



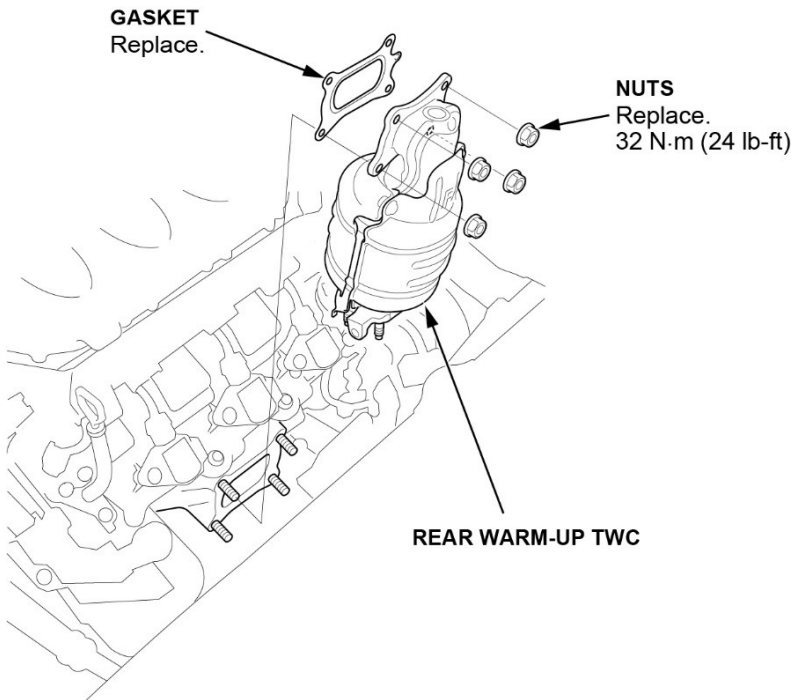
4. Remove the exhaust pipe hanger.
5. Remove the under-floor three way catalytic converter and the gaskets.



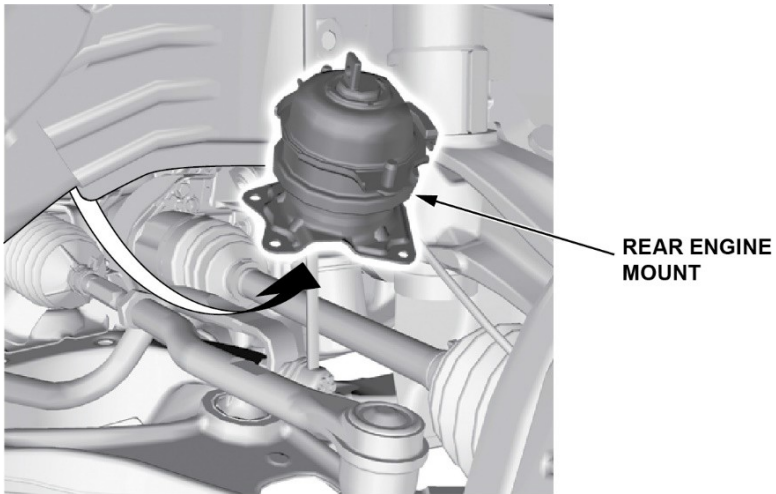
6. Disconnect and remove the rear air/fuel ratio sensor.



7. Remove the rear warm-up three way catalytic converter.

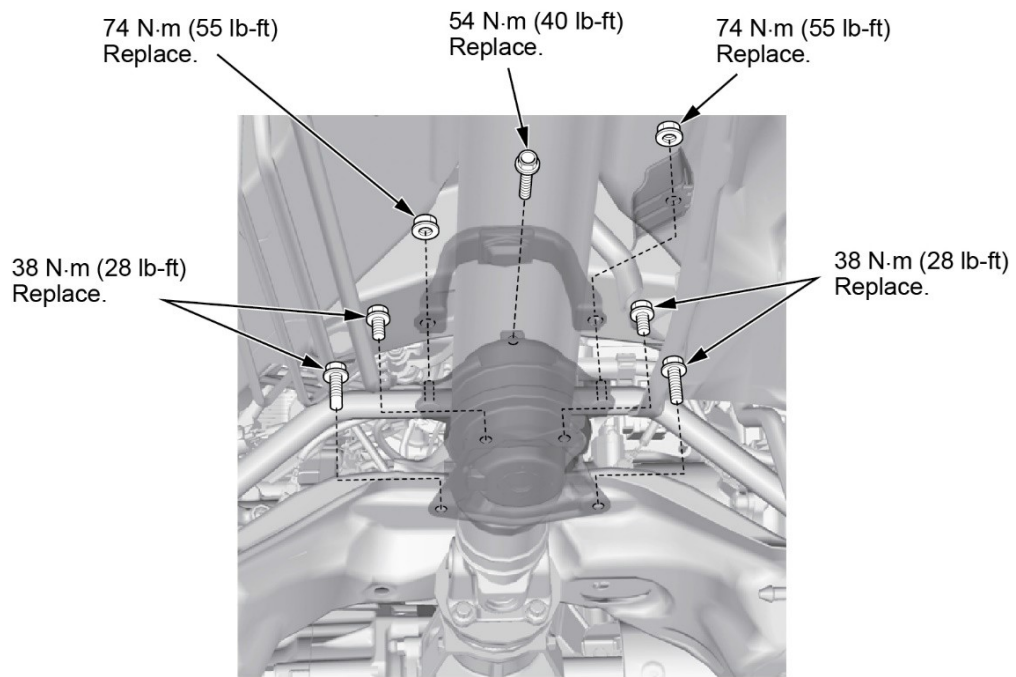


8. Lift and support the engine with a transmission jack and a wood block under the oil pan.
9. Remove the rear engine mount from the right front wheelhouse side.





10. Install the new rear engine mount. Tighten and torque as shown.



11. Install all parts in reverse order of removal.

END