

September 28, 2023

Version 2

Clunking or Looseness in the Outer Tie Rod

Supersedes 23-019, dated May 4, 2023, to revise the information highlighted in **yellow**.

AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2022	MDX	TYPE S (TECH)	5J8YD8H...L000015 thru 5J8YD8H...L005545
2022	MDX	TYPE S (ADVANCE)	5J8YD8H...L000037 thru 5J8YD8H...L005665
2022	MDX	A-SPEC	5J8YE1H...L000263 thru 5J8YE1H...L052452
2022	MDX	ADVANCE	5J8YE1H...L000001 thru 5J8YE1H...L052372
2022	MDX	TECH	5J8YD9H...L000001 thru 5J8YD9H...L012341
2022	MDX	TECH	5J8YE1H...L000623 thru 5J8YE1H...L052342
2022	MDX	BASE	5J8YE1H...L000791 thru 5J8YE1H...L044295
2022	MDX	BASE	5J8YD9H...L000266 thru 5J8YD9H...L011256
2023	MDX	TYPE S (TECH)	5J8YD8H...L000065 thru 5J8YD8H...L000719
2023	MDX	TYPE S (ADVANCE)	5J8YD8H...L000008 thru 5J8YD8H...L002851
2023	MDX	A-SPEC	5J8YE1H...L000136 thru 5J8YE1H...L026114
2023	MDX	ADVANCE	5J8YE1H...L000014 thru 5J8YE1H...L025731
2023	MDX	TECH	5J8YD9H...L000007 thru 5J8YD9H...L005216
2023	MDX	TECH	5J8YE1H...L000124 thru 5J8YE1H...L026293
2023	MDX	BASE	5J8YE1H...L000244 thru 5J8YE1H...L026222
2023	MDX	BASE	5J8YD9H...L000181 thru 5J8YD9H...L005259

REVISION SUMMARY

- Under WARRANTY CLAIM, a flat-rate time was updated.
- Under INSPECTION PROCEDURE, a step was added.

SYMPTOM

A clunk, click, or knock type of sound is heard from the steering area while turning.

POSSIBLE CAUSE

The outer tie rod end nut has become loose.

CORRECTIVE ACTION

Inspect the outer tie rod for play or looseness. Clean the area as necessary and replace the cotter pin and nut.

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.

PARTS INFORMATION

Part Name	Part Number	Quantity
Flange Nut (12 mm)	90307-TYA-A00	1

REQUIRED MATERIALS

Part Name	Part Number	Quantity
Cotter pin	94201-30220	1

WARRANTY CLAIM INFORMATION

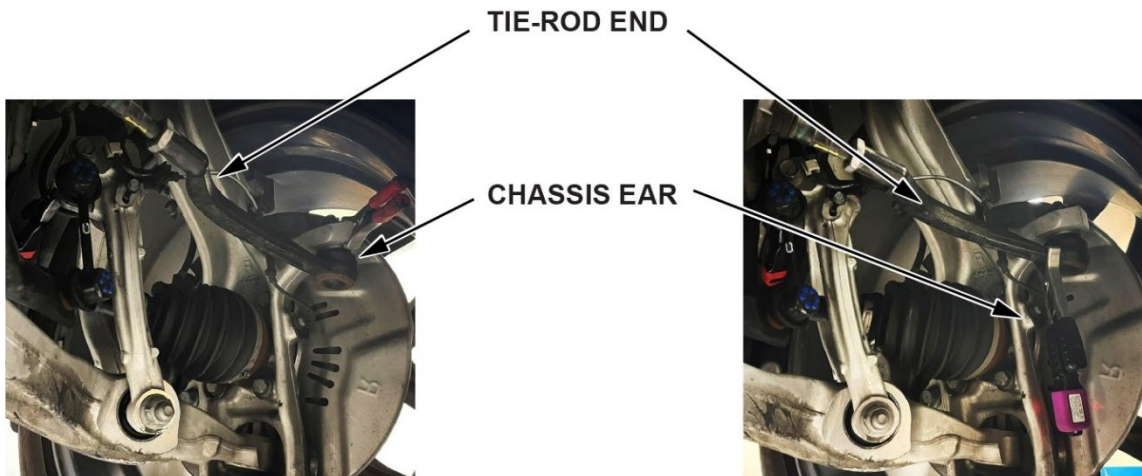
The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
5115A0	Inspect both tie rod ends (includes: replacement of one side tie rod end cotter pin and nut, and test drive)	0.5 hr	06201	03217	B23019A	53540-TYA-A01
A	Alignment-Add (includes VSA sensor memorization and steering angle position relearn)	0.4 hr				
B	Replace opposite side tie rod end cotter pin and nut	0.1 hr			B23019B	

Skill Level: Repair Technician

INSPECTION PROCEDURE

1. Install a chassis ear near the tie-rod end and on other suspected areas around the suspension. Test drive the vehicle to determine the following driving conditions of the noise:
 - If the noise is being caused when turning left or right, and isolated to the tie-rod with the chassis ear, then continue to the **next step**.
 - If the noise is caused by another driving condition (for example: going over bumps or driving over potholes), this bulletin does not apply. Continue with **normal troubleshooting**.



WIRED CHASSIS EAR

WIRELESS CHASSIS EAR

2. With the vehicle on the rack, have an assistant turn the steering wheel from side to side, and inspect the outer tie-rod joints for excessive play or looseness:

- If either tie-rod nut is loose, go to the **REPAIR PROCEDURE**.
- If the tie-rod nut is not loose, continue with **normal troubleshooting**.

NOTE: When working with a vehicle equipped with the electronic air suspension, be sure to set it to the leveling off mode to prevent unexpected operation. Refer to the electronic air suspension system service precautions for the procedure.

REPAIR PROCEDURE

1. With the vehicle raised, remove the front wheel from the side that will need repair.
2. Remove the loose outer tie-rod cotter pin and nut.
3. Clean the mating surfaces with compressed air before reinstalling. Those surfaces should be smooth and free from any debris.

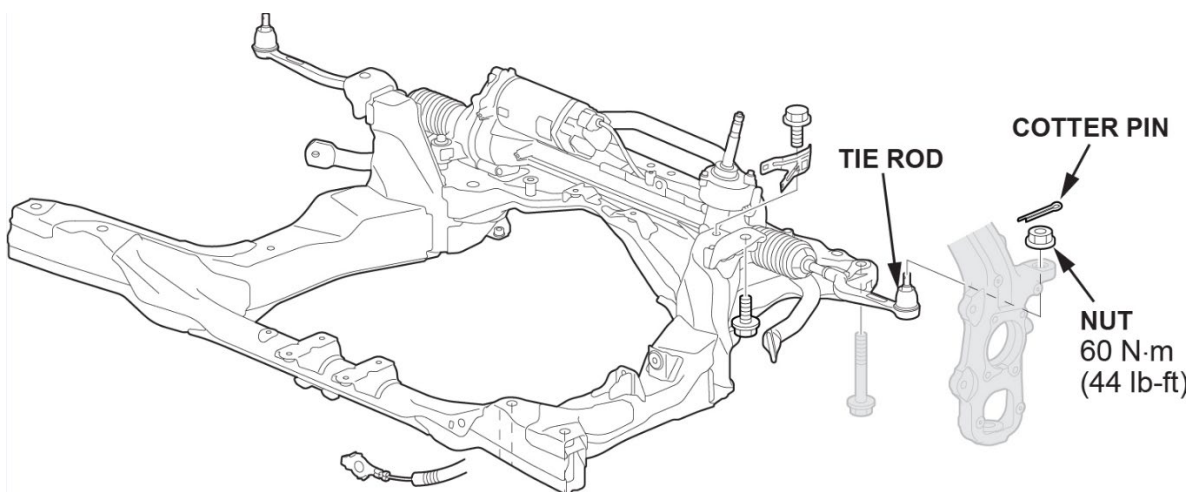
**SAMPLE IMAGE OF
GOOD CLEAN SURFACE**



**SAMPLE IMAGE OF
SURFACE WITH DEBRIS**



4. Install a new nut and cotter pin.



5. Check the wheel alignment.
6. Do a VSA Sensor Neutral Position Memorization.

END