

January 23, 2019

Version 1

2014-19 RLX Sport Hybrid and 2017-19 MDX Sport Hybrid: Transmission Judders, Shudders, or Surges While Driving

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2014-19	RLX Sport Hybrid	ALL	ALL
2017-19	MDX Sport Hybrid	ALL	ALL

SYMPTOM

The transmission judders, shudders, or surges while driving.

PROBABLE CAUSE

The transmission fluid has deteriorated prematurely.

CORRECTIVE ACTION

1. A software update is available to prevent the transmission fluid from deteriorating prematurely. Make sure the DCT-TMU software is up to date. If it is not, update it.
2. Replace the ATF.

PARTS INFORMATION

Part Name	Part Number	Quantity
Drain Plug Washer (18 mm)	90471-PX4-000	1
ATF Fill Sealing Washer (20 mm)	94109-20000	1

REQUIRED MATERIALS

Part Name	Part Number	Quantity
Acura ATF DW-1	08200-9008A	4

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 warranty is for 8 years or 80,000 miles, whichever comes first.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
1255D0	Update the DCT-TMU software.	0.2 hr	03214	03505	B19004A	28101-R9T-A650
A	Replace the ATF. (Includes maintenance minder reset)	0.5 hr				

Skill Level: Repair Technician

SOFTWARE INFORMATION

NOTE

Unnecessary or incorrect repairs resulting from a failure to update the i-HDS are not covered under warranty.

i-HDS Software Version: **1.004.060 or later**

J2534 Software Information:

- PC Application Version **1.1.0.6 or later**
- Database update **12-DEC-2018 or later**

Before beginning the repair, make sure that both the i-HDS and J2534 software are updated as listed above.

Do only the update listed in this service bulletin.

For more information about updating the i-HDS, the MVCI or DST-i, and vehicle systems, refer to service bulletin 01-026, *Updating Control Units/Modules*.

Year/Model	Software System	Program ID (or later)	Program P/N (or later)
2014-17 RLX Sport Hybrid	DCT-TMU	9TA650	28101-R9T-A650
2018-19 RLX Sport Hybrid	DCT-TMU	9TA730	28101-R9T-A730
2017-19 MDX Sport Hybrid	DCT-TMU	WVA560	28101-5WV-A560

REPAIR PROCEDURE

- Connect a fully charged jumper battery, and leave it connected during the entire procedure to maintain a steady voltage.
 - Never turn the ignition to OFF or ACCESSORY during the update. If there is a problem with the update, leave the ignition turned to ON.
 - To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.
1. Check the DCT-TMU software.
 - If the software is not up to date, go to step 2.
 - If the software is up to date, go to step 3.

2. Update the DCT-TMU software using the i-HDS J2534 rewrite software with the MVCI or DST-i. Refer to Service Bulletin 01-026, *Updating Control Units/Modules*.
 - Do not use the MongoosePRO VCI.
3. Replace the ATF.
4. Test drive the vehicle to confirm the juddering, shuddering, or surging is gone.
5. If the maintenance minder did not indicate the ATF needed replacement, reset it with the i-HDS. For more information about resetting individual maintenance items, refer to the service information. If the maintenance minder indicated the ATF needed replacement, reset it with the multi-information display.

END