

## Parking and Back-up Sensor System Software Update

### AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2022–24	RDX	Tech, Advance, A-Spec	ALL
2022–24	MDX	Tech, Advance, A-Spec, Type S	ALL

### SYMPTOM

Under certain circumstances when reversing near a chain-link fence or highly reflective surfaces, a parking and back-up sensor system abnormal message may be displayed in the multi-information display (MID).

### POSSIBLE CAUSE

When the back-up sensors detect a large number of reflected waves, the increased processing load on the sensor may cause a memory processing overload.

### CORRECTIVE ACTION

Clear any DTCs and update the parking and back-up sensor system software with the latest version.

### WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
8105A0	<b>RDX:</b> Update the parking and back-up sensor system software.	0.2hr	03265	03217	B24058A	39670-TJB-A22
A	Do an all-DTC check and clear- Add	0.1hr				
8105A0	<b>MDX:</b> Update the parking and back-up sensor system software.	0.2hr	03265	03217	B24058B	39670-TYA-A07
A	Do an all-DTC check and clear- Add	0.1hr				

Skill Level: Repair Technician

### TOOL INFORMATION

Tool Name	Quantity
i-HDS and Acura-approved VCI	1
Midtronics GR8-110P AST, or Midtronics DCA8-8000 Dynamic Diagnostic Charging System, or Associated Equipment Corporation ESS 6100 100A Smart Charger	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.

## SOFTWARE INFORMATION

### NOTE:

- Unnecessary or incorrect repairs resulting from a failure to update the diagnostic and reprogramming software are not covered under warranty.
- Update only the systems and software listed in this service bulletin.
- Before beginning the repair, make sure all diagnostic and reprogramming software are updated as listed:

<b>i-HDS Software Version</b>	1.010.011 or later
<b>HDS Software Version</b>	3.105.036 or later
<b>Honda ECU Reprogramming</b>	4.7.0.0 or later

For more information about updating vehicle systems, refer to service bulletin 22-100, [Updating Control Units/Modules with the ECU Reprogramming Application](#).

**Do not** use the MongoosePRO VCI for this service bulletin as it is not an American Honda approved device.

### Honda ECU Reprogramming information:

Year	Model	Trim Level	System	Program ID (or later)
2022–24	RDX (SH-AWD)	Tech, Advance, A-Spec	Parking Sensor	39673-TJB-A240
2022–24	RDX (2WD)	Tech, A-Spec	Parking Sensor	39673-TJC-A040
2022–24	MDX	Tech, Advance, A-Spec	Parking Sensor	39673-TYA-A070
2022–24	MDX	Type S	Parking Sensor	39673-TYB-C030

## SOFTWARE UPDATE PROCEDURE

### NOTE:

- Make sure the 12-volt battery is fully charged before starting an update.
  - Connect the Midtronics GR8-110P AST in Power Supply Mode, or the Midtronics DCA8-8000 Dynamic Diagnostic Charging System in Reflash Mode, or the Associated Equipment Corporation ESS 6100 100A Smart Charger in Power Supply Mode | DIAG+, directly to the vehicle's 12-volt battery. Leave it connected during the entire procedure to maintain a steady voltage.
  - **Do not** use a lithium-ion jump pack to supply power due to the pulses of high amperage that **do not** provide consistent power to the battery during reprogramming.
  - If the vehicle's 12-volt battery drops below 10 volts during the update, the programming status bar may not present accurately, or the Honda ECU Reprogramming application may display an error message.
  - Control module failure caused by the improper completion of a software update (early key cycle, low battery voltage, disconnected DLC cable, etc.) is not covered by warranty.
  - If an error occurs during the update or the i-HDS freezes, do not disconnect the battery or turn the ignition to OFF. Reboot the i-HDS and start over.
  - To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.
  - Warranty reimbursement for technician labor is not allowed for routine checking/installation of any available software update.
1. Do an **ALL DTC Check**. Note any DTCs and then do an **ALL DTC Clear**.
  2. Update the **Parking Sensor** software, see service bulletin 22-100, [Updating Control Units/Modules with the Honda ECU Reprogramming Application](#).
  3. Do an **ALL DTC Check** and clear any codes that may have set during the update.