

February 09, 2022

Version 1

## Brake Warning Message on MID and/or Brake Warning Light and Unable to Release Electronic Parking Brake

### AFFECTED VEHICLES

Year	Model	Trim Level	VIN Range
2022	MDX	ALL	ALL

### SYMPTOM

**Brake Warning Message:** Clients may complain of a brake warning message in their gauge cluster accompanied by other warning lights. The brake warning message instructs the clients to visit their local dealer for diagnosis and repair.

**Brake Warning Light and Unable to Release Electric Parking Brake (EPB):** Clients may complain of their EPB not releasing and/or with an accompanied brake warning light on their gauge cluster. It may take several cycles of the EPB switch to get it to release.

### POSSIBLE CAUSE

**Brake Warning Message:** This message is caused by erroneous rear wheel speed sensor inputs from vehicle movement caused by the driver adjusting themselves and/or passengers entering or exiting the vehicle during VSA initialization at startup. The warning messages and lights turn off once the brake pedal is released and the vehicle starts moving.

**Brake Warning Light and Unable to Release Electric Parking Brake (EPB):** This is caused by a miscommunication between the VSA Modulator and EPB Actuators

### CORRECTIVE ACTION

Install the ABS/VSA Software.

### WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
4135B0	Update the ABS/VSA Control Unit Software	0.2 hr	03214	03217	B22005A	57114-TYA-A06

Skill Level: Repair Technician

**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.

**Before beginning the repair, make sure all diagnostic and reprogramming software are updated as listed.**

<b>i-HDS Software Version</b>	1.006.051 or later
<b>HDS Software Version</b>	3.104.047 or later
<b>J2534 Rewrite Software Information</b>	
<b>PC Application Version</b>	1.2.1.1
<b>Database Update</b>	04-NOV-2021 or later
<b>NoticeDB Version</b>	04-NOV-2021 or later

**Update only the systems and software listed in this service bulletin.**

**American Honda has validated and approved the Denso DST-I as the vehicle communication interface (VCI) to support this service bulletin.**

For more information about updating vehicle systems, refer to service bulletin 01-023, *Updating Control Units/Modules*.

<b>Year/Model</b>	<b>Vehicle System</b>	<b>Program ID (or later)</b>
2022 MDX	ABS/VSA	57114-TYA-A06
		57114-TYA-A150

## REPAIR PROCEDURE

NOTE:

- Make sure the 12-volt battery is fully charged before starting an update.
- Connect a fully charged jumper battery to the vehicle, and leave it connected during the entire procedure to maintain steady voltage.
- Do not use the GR8 because the vehicle requires a steady electrical current.
- 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.

Software has been developed for the VSA Modulator that addresses both concerns, the brake warning message on MID and/or brake warning light and unable to release the electronic parking brake. Downloading and installing the software will address both issues. It should be noted that the software eliminates the brake warning message and all warning lights except the VSA Indicator. This light will go out as soon as the brake pedal is released. Brake performance is not affected by this being illuminated as it relates to this scenario.

NOTE: The VSA light will not come back on after the brake pedal is released and the vehicle is moving. Should the light illuminate while the vehicle is in motion, the client will need to return the vehicle to their local dealership for troubleshooting and repair.

1. Connect the i-HDS.
2. Navigate to the VSA Modulator system.
3. Identify and install the new software.
4. Disconnect the i-HDS.
5. Disconnect the battery jumper/aux power supply.

NOTE: This update will not require entering a service bulletin number.

END