



**HYUNDAI**  
**Technical Service Bulletin**

|                            |                                 |
|----------------------------|---------------------------------|
| GROUP<br><b>RECALL</b>     | NUMBER<br><b>24-01-065H</b>     |
| DATE<br><b>AUGUST 2024</b> | MODEL(S)<br><b>SONATA (DN8)</b> |

**SUBJECT:** ESC SOFTWARE UPDATE FOR EMERGENCY STOP SIGNAL (ESS)  
FEATURE DEACTIVATION (RECALL 267)

**★ IMPORTANT**

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WebDCS to identify open recalls.

**Description:** Certain 2024MY Sonata’s (DN8) brake lights could inadvertently flash due to an incorrect specification of rear brake light software when braking heavily at vehicles speeds over 30 miles per hour. As such, the affected vehicles may not comply with the requirements set forth in Federal Motor Vehicle Safety Standard No. 108, “Lamps, Reflective Devices, and Associated Equipment”. This bulletin provides instructions to perform a software update to change the logic of the electronic stability control (ESC) system as a remedy for certain Sonata (DN8) vehicles that may experience flashing brake lights from the ESS feature.

**Applicable Vehicles (Certain):**

- 2024MY Sonata (DN8) produced from 10/18/2023 – 06/12/2024

**GDS Information:**

System Selection: ABSESC / BRAKE

| System | Event # | Description                    |
|--------|---------|--------------------------------|
| ABSESC | 1137    | DN8 ESC LOGIC IMPROVEMENT(ESS) |

(\*or use a later available event as listed in the GDS applicable System (e.g. ECM) Update screen if one is available.)

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**Warranty Information:**

| Model        | Op. Code | Operation                      | Op. Time | Casual Part | Nature Code | Cause Code |
|--------------|----------|--------------------------------|----------|-------------|-------------|------------|
| Sonata (DN8) | 41D148R0 | Software Update for ESC System | 0.4 M/H  | 58910-L1310 | I11         | ZZ3        |

**NOTE 1:** Submit claim on Claim Entry Screen as “Campaign” type.

**NOTE 2:** If a part is found in need of replacement while performing this recall and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

**NOTE 3:** Op times include VIN, Mileage, and photo capture of the “ECU update complete” screen as outlined in the Digital Documentation Policy.

**ROM ID Information: Event #1137**

| Model        | System | ECU Part Number                 | ROM ID               |      |
|--------------|--------|---------------------------------|----------------------|------|
|              |        |                                 | Old                  | New  |
| Sonata (DN8) | ESC    | 58910-L1310<br>(2.5L FWD)       | 1.00<br>1.01<br>1.02 | 1.50 |
|              |        | 58910-L1410<br>(2.5L AWD)       |                      |      |
|              |        | 58910-L1560<br>(2.5L Turbo FWD) |                      |      |

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This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

**NOTICE**

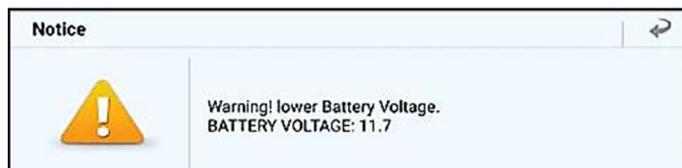
**You must initially perform the GDS ECU update in Auto Mode.**

- If the ECU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

**NOTICE**

**GDS Vehicle Battery Low Voltage Warning:**

If voltage is below 12 Volts per the GDS warning, then select **Back** and attach a battery charger to ensure an adequate battery charge for reliable update results. Turn ignition back **ON**, and then retry the ECU update again.

**Information**

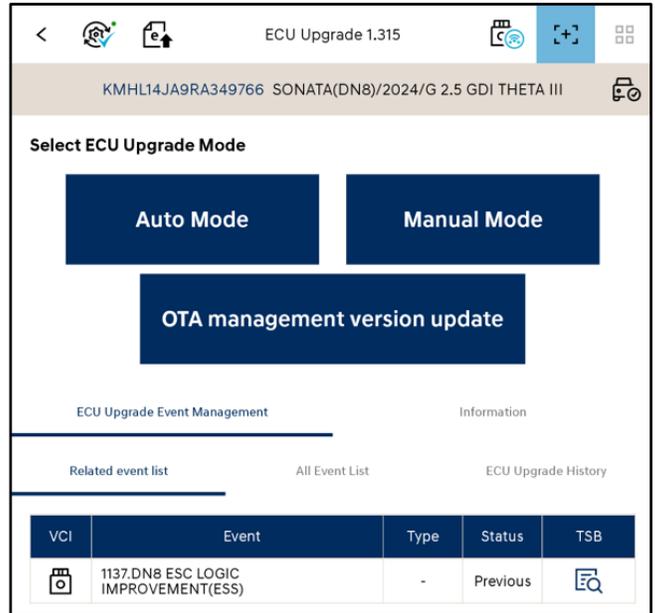
- Turn off all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during update.
- Do **NOT** start the engine during update.
- Do **NOT** turn off the ignition switch during update.

**ECU Update Procedure**

1. Perform the ECU update in **Auto Mode**.

**i Information**

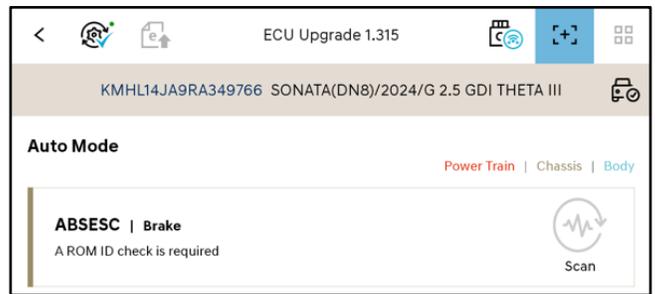
Refer to **TSB 24-GI-012H**, “**ECU Update Procedure for Tablet-Based GDS-Smart**”, for additional information.



2. Under **ABSESC** system, select **Scan** to check the vehicle’s current ROM ID.

**NOTICE**

Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

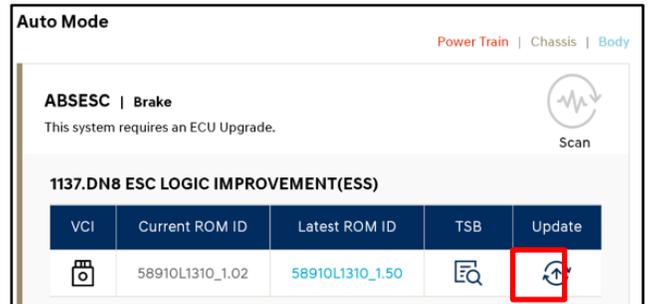


**NOTICE**

If the upgrade fails, please remove the power connector or the battery (-) connector from the indoor fuse box for at least 5 seconds and reassemble it to retry the upgrade.

3. Under Event #1137. **DN8 ESC Logic Improvement (ESS)**, verify the current ROM ID and latest ROM ID. Refer to the **ROM ID Information** table for applicable ROM IDs.

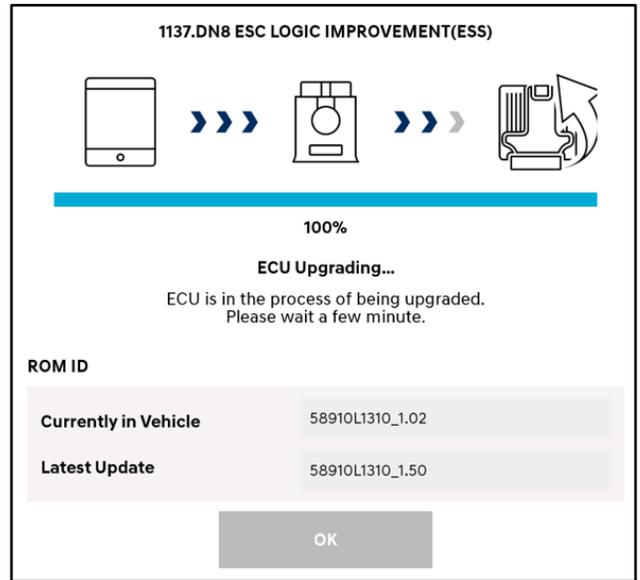
Select the icon under “Update” to start update.



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- 4. ECU update will start and progress to 100%.

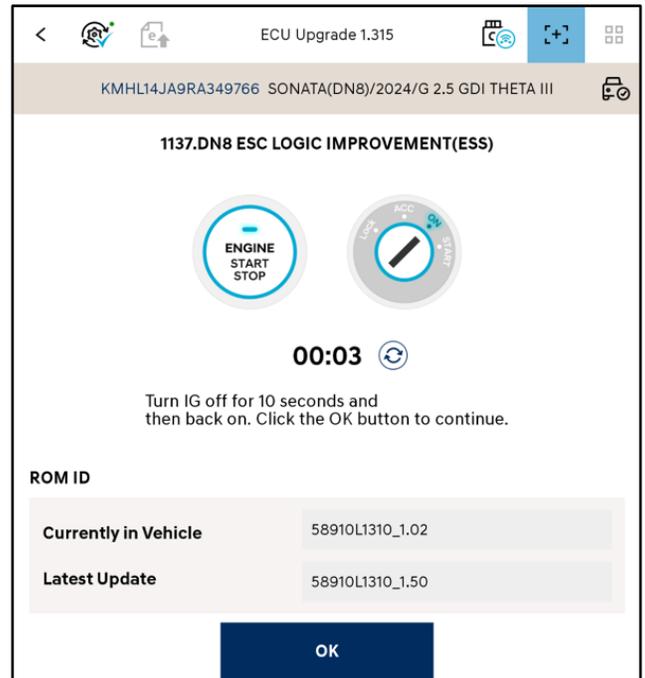


- 3. After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit.



**Information**

Use the **Refresh** button to reset the timer.

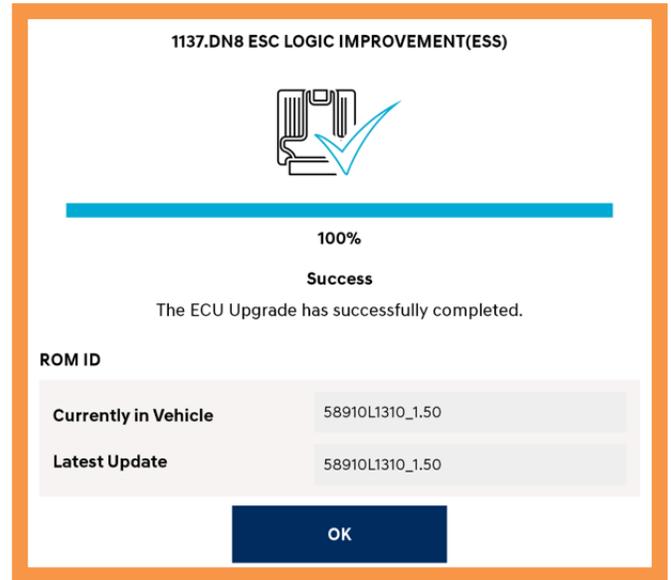


4.

**STUI**



Take a screenshot of the ECU Update Complete screen using your tablet and upload to STUI.



- 5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.
- 6. Start the engine OR place in Ready mode to confirm proper operation of the vehicle.



**Information**

For multiple ECU updates, go back to the Auto Mode screen to view all updates available in one screen.

**NOTICE**

If the ECU update fails in Auto Mode, perform the update in Manual Mode using the password below.

**Manual Mode Password: Event #1137**

| ECM Menu            | Password |
|---------------------|----------|
| DN8 ESC 58910-L1310 | 3110     |
| DN8 ESC 58910-L1410 | 4110     |
| DN8 ESC 58910-L1560 | 6510     |