



# HYUNDAI

## Technical Service Bulletin

|                      |             |
|----------------------|-------------|
| GROUP                | NUMBER      |
| ENGINE<br>MECHANICAL | 26-EM-014H  |
| DATE                 | MODEL(S)    |
| SEPTEMBER 2026       | TUCSON (TL) |

**SUBJECT:** CONTINUED DTC P132600 AFTER KSDS ENGINE MONITORING ECM LOGIC UPDATE

This TSB supersedes TSB 24-EM-002H to incorporate Manual Mode passwords, clarify that contacting Techline is no longer required prior to performing the procedure, and specify that the software update must be completed using Manual Mode.

### ★ IMPORTANT

This field action requires both a reported condition consistent with the symptoms outlined in this TSB and dealer confirmation of those symptoms before any repair work is performed.

**Description:** Some Tucson (TL) vehicles equipped with a 2.0L engine may exhibit a continued DTC P132600 after an ECM logic update has been performed per **TSB 24-01-068H, Engine Monitoring Logic (Service Campaign 966)**. This bulletin provides instructions to inspect and resolve other engine mechanical issues and if DTC P132600 remains, then a procedure and manual mode passwords are given to perform the update again in manual mode to resolve this condition.

### Applicable Vehicles:

| Model Year  | Model       | Engine | Prerequisite         |
|-------------|-------------|--------|----------------------|
| 2016 – 2021 | Tucson (TL) | 2.0L   | Service Campaign 966 |

### SST Information:

| Tool Name | Tool Number | Figure                                                                              | Ordering Information                                                                                                                                                                                                                   |
|-----------|-------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VCI 3     | G0VHNNN06   |  | Website:<br><a href="https://hyundaiaessentialtools.com/">https://hyundaiaessentialtools.com/</a><br>Email:<br><a href="mailto:Hyundaitools@snapon.com">Hyundaitools@snapon.com</a><br>Phone: 1-855-763-9199<br>Hours: 7 AM – 7 PM CST |
| VCI 2     | G1XDDMN001  |  |                                                                                                                                                                                                                                        |

**NOTE:** VCI 2 can **NO** longer be ordered but can be used for the updates in this TSB.

**GDS Information:**

| Model       | System | Event Number* | Description                                                   |
|-------------|--------|---------------|---------------------------------------------------------------|
| Tucson (TL) | Engine | 1052          | IMPROVED KSDS LOGIC APPLICATION FOR SPECIFIC ISSUE (ADDENDUM) |

(\*or use a later available event listed in the GDS **Engine** Update screen if one is available.)

**Warranty Information:**

| Model       | Op. Code | Operation                     | Op. Time | Causal Part | Nature Code | Cause Code |
|-------------|----------|-------------------------------|----------|-------------|-------------|------------|
| Tucson (TL) | 10D021RE | DTC Inspection and ECM Update | 0.4 M/H  | 39133-2ETA6 | I11         | ZZ3        |

**NOTE 1:** Submit a campaign claim on the "Claim Entry/Edit/Submit" screen on WebDCS and attach all required Digital Documentation per TSB to the claim.

**NOTE 2:** If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

**NOTE 3:** Op times include VIN, mileage, and photo capture of the ECU Update "Success" result screen as outlined in the Digital Documentation Policy.

**ROM ID Information:**

| Model                  | Event | 2WD/<br>4WD | IMMO<br>(Y/N) | ECU<br>Part Number         | ROM ID            |                   |
|------------------------|-------|-------------|---------------|----------------------------|-------------------|-------------------|
|                        |       |             |               |                            | Current           | Latest            |
| 2016<br>Tucson<br>(TL) | 1052  | 2WD         | N             | 39133-2ETA0                | GGTL-FNUAPK02C00  | GGTL-FNUAPK03C00  |
|                        |       | 4WD         | N             | 39133-2ETA2                | GGTL-FNUAPK03D00  | GGTL-FNUAPK04D00  |
| 2017<br>Tucson<br>(TL) |       | 2WD         | Y             | 39131-2ETA4<br>39131-2ETA6 | GGTL-GNUAQK01C00  | GGTL-GNUAQK02C00  |
|                        |       |             | N             | 39133-2ETA4<br>39133-2ETA6 | GGTL-GNUAPK01C00  | GGTL-GNUAPK02C00  |
|                        |       | 4WD         | Y             | 39131-2ETA5<br>39131-2ETA7 | GGTL-GNUAQK01D00  | GGTL-GNUAQK02D00  |
|                        |       |             | N             | 39133-2ETA5<br>39133-2ETA7 | GGTL-GNUAPK01D00  | GGTL-GNUAPK02D00  |
| 2018<br>Tucson<br>(TL) |       | 2WD         | Y             | 39131-2ETA8                | GGTL-HNUAQK01C00  | GGTL-HNUAQK02C00  |
|                        |       |             | N             | 39133-2ETA8                | GGTL-HNUAPK01C00  | GGTL-HNUAPK02C00  |
|                        |       | 4WD         | Y             | 39131-2ETA9                | GGTL-HNUAQK01D00  | GGTL-HNUAQK02D00  |
|                        |       |             | N             | 39133-2ETA9                | GGTL-HNUAPK01D00  | GGTL-HNUAPK02D00  |
| 2019<br>Tucson<br>(TL) |       | 2WD         | Y             | 39131-2ETF0                | GGTL-INUAQK00C00  | GGTL-INUAQK01C00  |
|                        |       |             | N             | 39133-2ETF0                | GGTL-INUAPK00C00  | GGTL-INUAPK01C00  |
|                        |       | 4WD         | Y             | 39131-2ETF1                | GGTL-INUAQK00D00  | GGTL-INUAQK01D00  |
|                        |       |             | N             | 39133-2ETF1                | GGTL-INUAPK00D00  | GGTL-INUAPK01D00  |
|                        |       | 2WD         | Y             | 39131-2ETF2                | GGTL-INS AQK00C00 | GGTL-INS AQK01C00 |
|                        |       |             | N             | 39133-2ETF2                | GGTL-INSAPK00C00  | GGTL-INSAPK01C00  |
| 2020<br>Tucson<br>(TL) |       | 2WD         | Y             | 39131-2E321                | GTL-0NU0AQK00C00  | GTL-0NU0AQK01C00  |
|                        |       |             | N             | 39131-2E322                | GTL-0NU0APK00C00  | GTL-0NU0APK01C00  |
|                        |       | 4WD         | Y             | 39131-2E323                | GTL-0NU0AQK00F00  | GTL-0NU0AQK01F00  |
|                        |       |             | N             | 39131-2E324                | GTL-0NU0APK00F00  | GTL-0NU0APK01F00  |
|                        |       | 2WD         | Y             | 39131-2E325                | GTL-0NS0AQK00C00  | GTL-0NS0AQK01C00  |
|                        |       |             | N             | 39131-2E326                | GTL-0NS0APK00C00  | GTL-0NS0APK01C00  |
| 2021<br>Tucson<br>(TL) |       | 4WD         | Y             | 39131-2E903                | GTL-1NU0AQK01F00  | GTL-1NU0AQK02F00  |
|                        |       |             | N             | 39131-2E904                | GTL-1NU0APK01F00  | GTL-1NU0APK02F00  |
|                        |       | 2WD         | Y             | 39131-2E905                | GTL-1NS0AQK01C00  | GTL-1NS0AQK02C00  |
|                        |       |             | N             | 39131-2E906                | GTL-1NS0APK01C00  | GTL-1NS0APK02C00  |

**Service Procedure:**

**DIGITAL DOCUMENTATION**



This TSB includes repair justification in the form of an automatically uploaded DTC via GDS e-Report at the time of diagnosis. To ensure adherence to the Digital Documentation Policy prior to claim submission, DTC history can be reviewed via the e-Report function within GDS.

This TSB also includes taking a validation picture of the ECU Update "Success" screen after the software update is completed.

**NOTICE**

Ensure the vehicle's battery charge is **≥12.3 Volts** and the tablet's battery charge is **above 30%** before performing a software update, to avoid update failure. Hyundai recommends connecting a battery maintainer/charger when performing **all ECU updates**.

**NOTICE**

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.



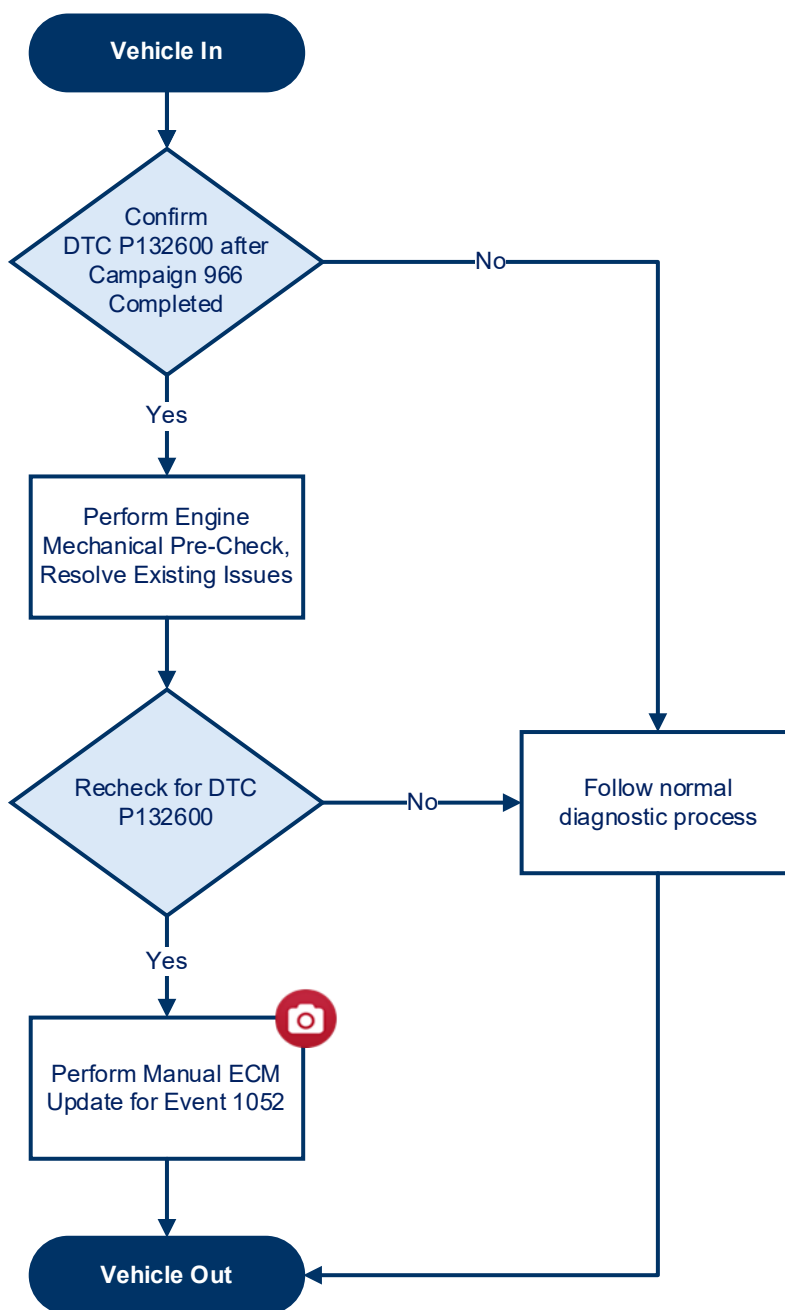
**Information**

- 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 the update.
- Do **NOT** start the engine during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

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**Flowchart**



**NOTE:** Contacting Techline is **NOT** required.

**Engine Mechanical Pre-Check*****i* Information**

- This TSB **ONLY** applies if the continued DTC P132600 condition exists.
- Perform the inspections below to resolve any contributing factors that may be causing DTC P132600.

1. Using GDS, confirm that **DTC P132600** is present.
  2. Check engine oil condition.
    - Confirm that engine oil is **CLEAN** with oil change maintenance work performed within the last **3,000 miles/6 months** and topped off to the “F” mark.
  3. Check coolant level.
    - If coolant level is low or coolant condition is poor, top off or replace as needed.
  4. Inspect for spark knock/pre-ignition due to fuel quality or combustion chamber deposits.
    - If engine has spark knock/pre-ignition during acceleration and throttle tip-in, check for fuel quality/contamination, and combustion chamber deposits.
    - If fuel quality issue or a combustion chamber deposit condition was found and resolved, be sure to reset the engine adaptive values prior to vehicle retest.
  5. Inspect knock sensor installation quality and connection.
    - Installation to the block must be on a cleaned casting surface and with the correct tightening torque.
    - Knock sensor connection to the engine harness must be free of any pin corrosion or intermittent contact concern due to debris/water.
    - Clean the 2 pin connection points with an electrical contact cleaner and compressed air.
  6. Verify that engine Bearing Clearance Test (BCT) inspection **PASSES** with **NO** abnormal engine noises.
    - Perform **TSB 22-01-023H-2** (or later), **DTC P1326 – Engine Bearing Inspection / Engine Replacement (Service Campaign T6G)**.
    - Diagnose and resolve the source of any observed abnormal engine noise. Some mechanical sounds are normal. Compare with like vehicle/engine.
- NOTE:** Apply the appropriate Op Code according to the Op Code tables in **TSB 26-01-033H** (or later), **Op Code/Part Number (Reference Guide for Service Campaign T6G)**.
7. After **steps 2 – 6** above have been performed with all necessary adjustments and repairs made, retest the vehicle (with a brief test drive) to duplicate continued **DTC P132600**.
    - **PASS: NO** DTC P132600 observed. Service procedure is now complete, **NO** update or other steps are required.
    - **FAIL:** Continued DTC P132600 observed. **Proceed to the [ECU Update Procedure](#).**

## ECU Update Procedure

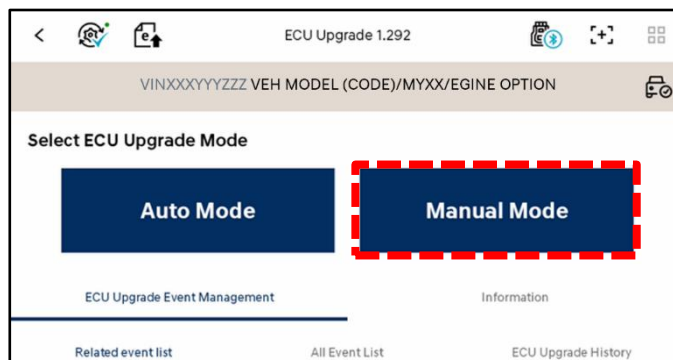
### Information

- Do **NOT** perform this update without completing the [Engine Mechanical Pre-Check](#).
- This is a specific manual-only ECM update to be applied if DTC P132600 remains after all mechanical inspections and appropriate repairs have been completed.
- Contacting Techline is **NO** longer required prior to performing the update procedure.

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

### Information

Refer to **TSB # 25-GI-011H**, “ECU Update Procedure for Tablet-Based GDS-Smart”, for additional information.



2. Verify the ROM ID by selecting the **Engine** system to scan 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.

If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (–) **12V** battery terminal and wait at least **5 seconds**. Reassemble and retry the update.

TUCSON(TL)/2020/G 2.0 GDI

**Manual Mode**

Powertrain | Chassis | Body Open All

**ENGINE | Engine**

1052.TL NU 2.0 GDI (16–21MY) - IMPROVED KSDS LOGIC APPLICATION FOR SPECIFIC ISSUE (ADDENDUM)

1052.TL NU 2.0 GDI (16–21MY) - IMPROVED KSDS LOGIC APPLICATION FOR SPECIFIC ISSUE (ADDENDUM)

| VCI                                                                                 | Sub Event                              | TSB                                                                                   | Update                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | TL NU 2.0 GDI (16MY) 2WD 39133-2ETA0   |  |  |
|  | TL NU 2.0 GDI (16MY) 4WD 39133-2ETA2   |  |  |
|  | TL NU 2.0 GDI (17MY) 2WD 39131-2ETA4/6 |  |  |
|  | TL NU 2.0 GDI (17MY) 2WD 39133-2ETA4/6 |  |  |
|  | TL NU 2.0 GDI (17MY) 4WD 39131-2ETA5/7 |  |  |
|  | TL NU 2.0 GDI (17MY) 4WD 39133-2ETA5/7 |  |  |
|  | TL NU 2.0 GDI (18MY) 2WD 39131-2ETA8   |  |  |
|  | TL NU 2.0 GDI (18MY) 2WD 39133-2ETA8   |  |  |
|  | TL NU 2.0 GDI (18MY) 4WD 39131-2ETA9   |  |  |
|  | TL NU 2.0 GDI (18MY) 4WD 39133-2ETA9   |  |  |
|  | TL NU 2.0 GDI (19MY) 2WD 39131-2ETF0   |  |  |
|  | TL NU 2.0 GDI (19MY) 2WD 39133-2ETF0   |  |  |
|  | TL NU 2.0 GDI (19MY) 4WD 39131-2ETF1   |  |  |

**Manual Mode Password:**

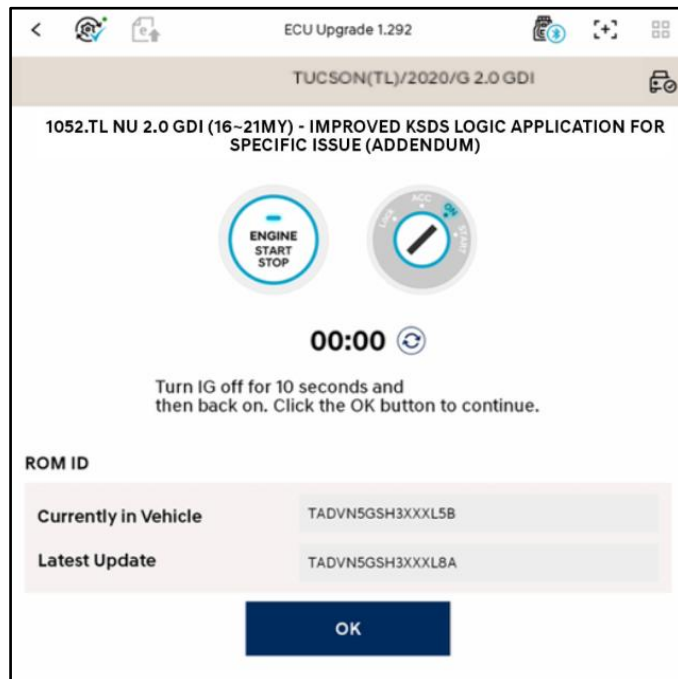
| Event | Menu                                   | Password |
|-------|----------------------------------------|----------|
| 1052  | TL NU 2.0 GDI (16MY) 2WD 39133-2ETA0   | 5202     |
|       | TL NU 2.0 GDI (16MY) 4WD 39133-2ETA2   | 5204     |
|       | TL NU 2.0 GDI (17MY) 2WD 39131-2ETA4/6 | 5205     |
|       | TL NU 2.0 GDI (17MY) 2WD 39133-2ETA4/6 | 5206     |
|       | TL NU 2.0 GDI (17MY) 4WD 39131-2ETA5/7 | 5207     |
|       | TL NU 2.0 GDI (17MY) 4WD 39133-2ETA5/7 | 5208     |
|       | TL NU 2.0 GDI (18MY) 2WD 39131-2ETA8   | 5209     |
|       | TL NU 2.0 GDI (18MY) 2WD 39133-2ETA8   | 5210     |
|       | TL NU 2.0 GDI (18MY) 4WD 39131-2ETA9   | 5211     |
|       | TL NU 2.0 GDI (18MY) 4WD 39133-2ETA9   | 5212     |
|       | TL NU 2.0 GDI (19MY) 2WD 39131-2ETF0   | 5213     |
|       | TL NU 2.0 GDI (19MY) 2WD 39133-2ETF0   | 5214     |
|       | TL NU 2.0 GDI (19MY) 4WD 39131-2ETF1   | 5215     |
|       | TL NU 2.0 GDI (19MY) 4WD 39133-2ETF1   | 5216     |
|       | TL NU 2.0 GDI (19MY) 2WD 39131-2ETF2   | 5221     |
|       | TL NU 2.0 GDI (19MY) 2WD 39133-2ETF2   | 5222     |
|       | TL NU 2.0 GDI (20MY) 2WD 39131-2E321   | 5225     |
|       | TL NU 2.0 GDI (20MY) 2WD 39131-2E322   | 5226     |
|       | TL NU 2.0 GDI (20MY) 4WD 39131-2E323   | 5227     |
|       | TL NU 2.0 GDI (20MY) 4WD 39131-2E324   | 5228     |
|       | TL NU 2.0 GDI (20MY) 2WD 39131-2E325   | 5233     |
|       | TL NU 2.0 GDI (20MY) 2WD 39131-2E326   | 5234     |
|       | TL NU 2.0 GDI (21MY) 4WD 39131-2E903   | 5239     |
|       | TL NU 2.0 GDI (21MY) 4WD 39131-2E904   | 5240     |
|       | TL NU 2.0 GDI (21MY) 2WD 39131-2E905   | 5245     |
|       | TL NU 2.0 GDI (21MY) 2WD 39131-2E906   | 5246     |

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 (certain models may take up to **30 seconds**).



### Information

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



- 4.

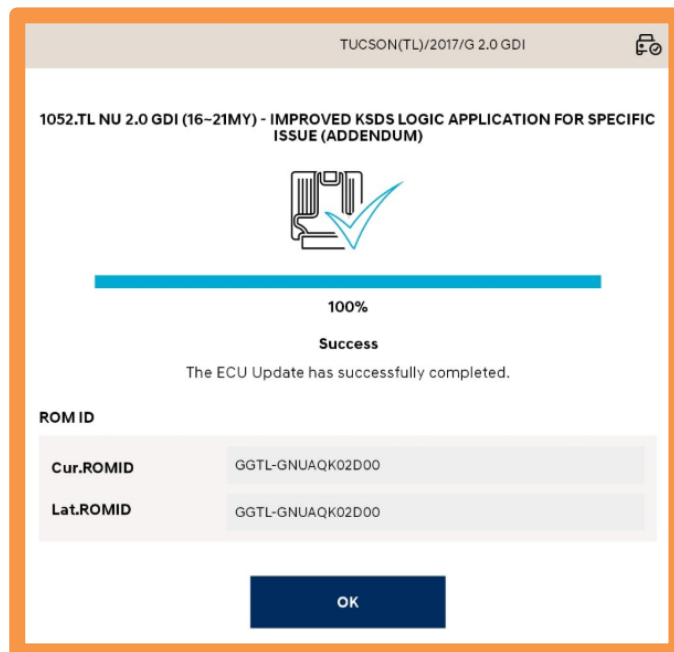
### DIGITAL DOCUMENTATION



Using the tablet or GDS screen capture function, take a screenshot of the ECU Update "Success" result screen.

Upload the photo to STUI.

**NOTE:** The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



5. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.



6. Start the engine to confirm proper operation of the vehicle.
7. The service procedure is now complete.