



HYUNDAI

Technical Service Bulletin

GROUP	NUMBER
ENGINE 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: https://hyundaiaessentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 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/ 4WD	IMMO (Y/N)	ECU Part Number	ROM ID	
					Current	Latest
2016 Tucson (TL)	1052	2WD	N	39133-2ETA0	GGTL-FNUAPK02C00	GGTL-FNUAPK03C00
		4WD	N	39133-2ETA2	GGTL-FNUAPK03D00	GGTL-FNUAPK04D00
2017 Tucson (TL)		2WD	Y	39131-2ETA4 39131-2ETA6	GGTL-GNUAQK01C00	GGTL-GNUAQK02C00
			N	39133-2ETA4 39133-2ETA6	GGTL-GNUAPK01C00	GGTL-GNUAPK02C00
		4WD	Y	39131-2ETA5 39131-2ETA7	GGTL-GNUAQK01D00	GGTL-GNUAQK02D00
			N	39133-2ETA5 39133-2ETA7	GGTL-GNUAPK01D00	GGTL-GNUAPK02D00
2018 Tucson (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 Tucson (TL)		2WD	Y	39131-2ETF0	GGTL-INU AQK00C00	GGTL-INU AQK01C00
			N	39133-2ETF0	GGTL-INUAPK00C00	GGTL-INUAPK01C00
		4WD	Y	39131-2ETF1	GGTL-INU AQK00D00	GGTL-INU AQK01D00
			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 Tucson (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 Tucson (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.



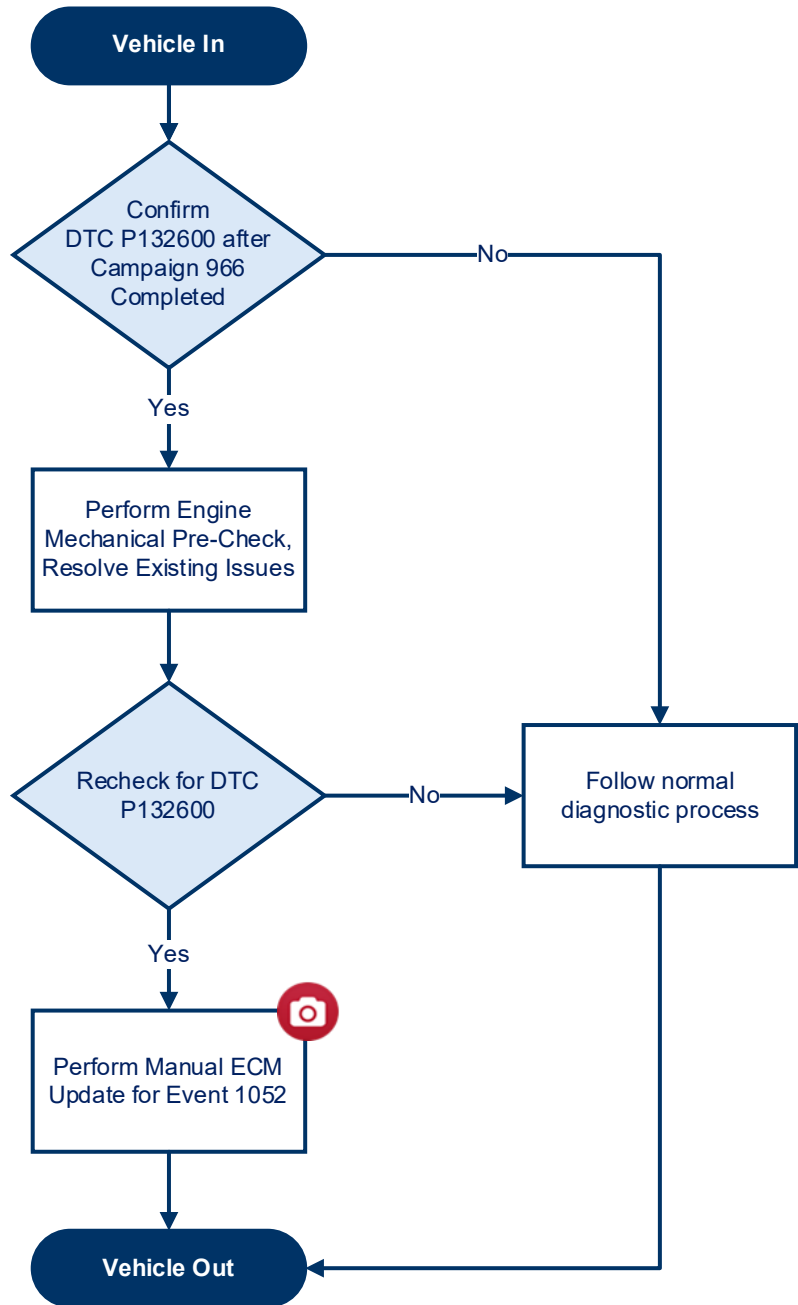
Information

- 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.

Table of Contents

• Flowchart	5
• Engine Mechanical Pre-Check	6
• ECU Update Procedure	7

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

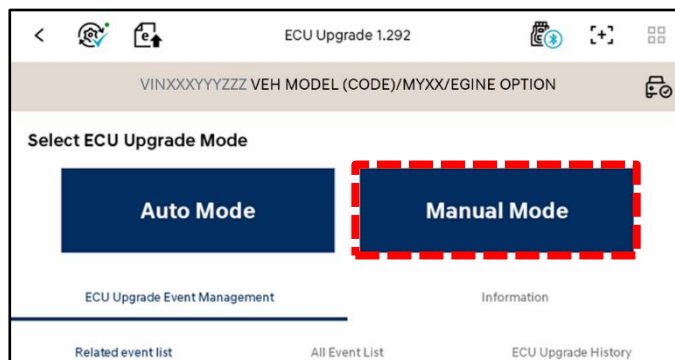
Information

- 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:

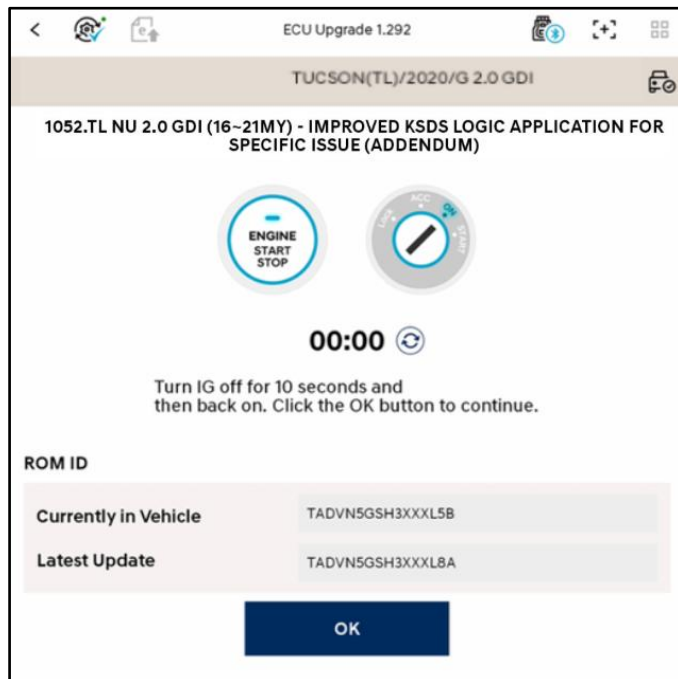
Event	Menu	Password
1052	TL NU 2.0 GDI (16MY) 2WD 39133-2ETA0	5202
	TL NU 2.0 GDI (16MY) 4WD 39133-2ETA2	5204
	TL NU 2.0 GDI (17MY) 2WD 39131-2ETA4/6	5205
	TL NU 2.0 GDI (17MY) 2WD 39133-2ETA4/6	5206
	TL NU 2.0 GDI (17MY) 4WD 39131-2ETA5/7	5207
	TL NU 2.0 GDI (17MY) 4WD 39133-2ETA5/7	5208
	TL NU 2.0 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.

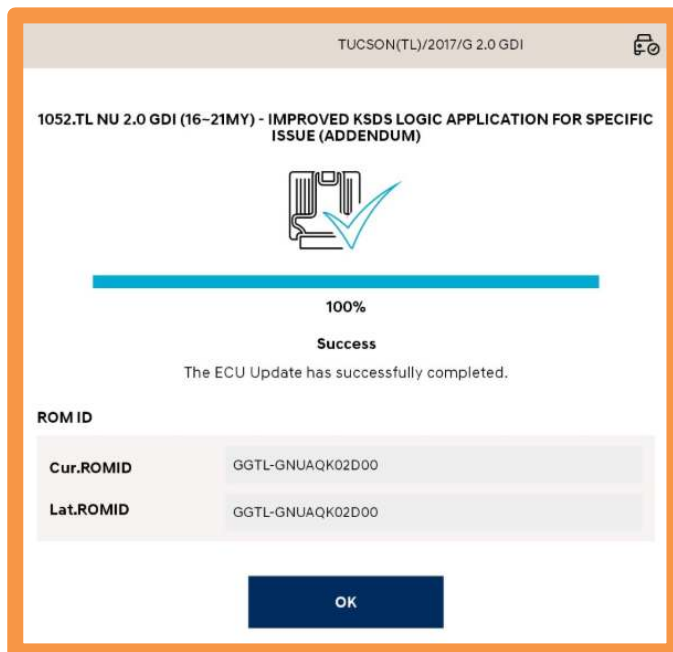
DIGITAL DOCUMENTATION



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.