

 HYUNDAI NEW THINKING. NEW POSSIBILITIES.	GROUP CAMPAIGN	NUMBER 16-01-054-1
	DATE DECEMBER 2016	MODEL(S) SONATA (LFA)
Technical Service Bulletin		
SUBJECT:	ECU & TCU UPDATE – CONTROL LOGIC UPDATE (SERVICE CAMPAIGN TYY)	

This TSB supersedes 16-01-054 to revise the Description.

ECU Update

★ IMPORTANT

*** Dealer Stock Vehicles Only ***

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description:

This bulletin provides information related to certain 2017 Sonata vehicles to update the ECU and/or TCU for shift quality improvement.

NOTICE

The ECU Update may not apply to all affected vehicles. If the GDS displays: "ECU Update does not apply to this ECU", do not update the ECU. Update the TCU only.

Applicable Vehicles: Certain 2017 Sonata (LFA) with 2.4L engines

GDS Information: System Selection: **Engine** and **A/T**

EVENT #	DESCRIPTION
423*	423.LFA 2.4GDI CONTROL LOGIC IMPROVEMENT(ECU)
424*	424.LFA 2.4GDI CONTROL LOGIC IMPROVEMENT(TCU)

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

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME
Sonata (LFA)	60CA29R0	ECU & TCU UPGRADE	0.5 M/H

NOTE: Submit claims on Campaign Claim Entry Screen

NOTICE

You must initially perform GDS ECU and TCU Update in Auto Mode.

- If the ECU or TCU Update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.
- Refer to the General Instructions found in TSB: 15-GI-001 (GDS Mobile) and 15-GI-002 (PC GDS).

ECU ROM ID Table:

MODEL	IMMO	PCM P/N	CAL ID	
			OLD	NEW
Sonata (LFA)	YES	39111-2GGK8	LFAHNC4ERC0B LFAHNC4ERC3A LFAHNC4ERC3B	LFAHNC4ERC5A
	NO	39111-2GGK3	LFAHNC4EMC0B LFAHNC4EMC3A LFAHNC4EMC3B	LFAHNC4EMC5A
	YES	39111-2GGL8	LFAHNS4ERC0B LFAHNS4ERC3A LFAHNS4ERC3B	LFAHNS4ERC5A
	NO	39111-2GGL3	LFAHNS4EMC0B LFAHNS4EMC3A LFAHNS4EMC3B	LFAHNS4EMC5A

TCU ROM ID Table:

MODEL	PCM P/N	CAL ID	
		OLD	NEW
Sonata (LFA)	39111-2GGK3	TLF0G24NB6 TLF0G24NB7	TLF0G24NB8
	39111-2GGK8	TLF0G24NB6 TLF0G24NB7	TLF0G24NB8
	39111-2GGL3	TLF0G24SB6 TLF0G24SB7	TLF0G24SB8
	39111-2GGL8	TLF0G24SB6 TLF0G24SB7	TLF0G24SB8

Manual Mode Password Information Table:**ECU:**

MENU	PASSWORD
LFA 2.4GDI ECU -IMMO 39111-2GGK3	1123
LFA 2.4GDI ECU -IMMO 39111-2GGL3	1124
LFA 2.4GDI ECU +IMMO 39111-2GGK8	1128
LFA 2.4GDI ECU +IMMO 39111-2GGL8	1129

TCU:

MENU	PASSWORD
LFA 2.4GDI TCU 39111-2GGK3/8	1238
LFA 2.4GDI TCU 39111-2GGL3/8	1239

Service Procedure:

1. Perform GDS software update.
 - Refer to TSB **15-GI-001** for tablet-based GDS Mobile update procedures.
 - Refer to TSB **15-GI-002** PC-based GDS update procedures.
2. Check for Diagnostic Trouble Codes and erase any DTC.
3. Erase any DTC in the BlueLink system according to TSB 12-BE-005-2.
4. Reset the TCM adaptive learning values.
5. Confirm normal vehicle operation.