

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.**Technical Service Bulletin**

GROUP

CAMPAIGN

NUMBER

16-01-054

DATE

NOVEMBER 2016

MODEL(S)

SONATA (LFA)**SUBJECT:**ECU & TCU UPDATE – CONTROL LOGIC UPDATE
(SERVICE CAMPAIGN TYY) **HYUNDAI**
Global Diagnostic System**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 TCU for shift quality improvement.

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 | TCM 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 | TCM 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:**

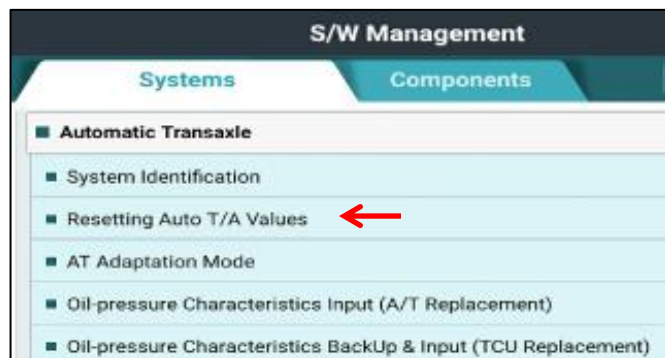
| MENU | PASSWORD |
|----------------------------------|----------|
| LFA 2.4GDI ECU -IMMO 39111-2GGK3 | 1123 |
| LFA 2.4GDI ECU -IMMO 39111-2GGL3 | 1124 |
| LFA 2.4GDI ECU +IMMO 39111-2GGK8 | 1128 |
| LFA 2.4GDI ECU +IMMO 39111-2GGL8 | 1129 |

TCU:

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

Service Procedure:

1. Check for Diagnostic Trouble Codes and erase any DTC.
2. Erase any DTC in the BlueLink system according to TSB 12-BE-005-2.
3. Reset the automatic transmission adaptive values using GDS, **S/W Management** menu and **Resetting Auto T/A Values**. Follow the prompts on the GDS.



4. Relearn the adaptive values using GDS, **S/W Management** menu and **AT Adaptation Mode**. Follow the prompts on the GDS.

