

# SB-10058132-4656



**HYUNDAI**

NEW THINKING.  
NEW POSSIBILITIES.

## Technical Service Bulletin

GROUP

**CAMPAIGN**

NUMBER

**15-01-010**

DATE

**MARCH 2015**

MODEL(S)

**SONATA (YF)  
SANTA FE SPORT (AN)**

**SUBJECT:** ECM UPDATE - DTC P0087 (SERVICE CAMPAIGN 935)



HYUNDAI  
Global Diagnostic System

## ECU Update

### ★ IMPORTANT

**\*\*\* Retail Vehicles Only \*\*\***

Dealers must perform this Service Campaign whenever an affected vehicle is in the shop for any maintenance or repair.

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 an Engine Control Module (ECM) update for certain 2012-2013MY SONATA (YF) and 2013MY SANTA FE SPORT (AN) vehicles equipped with 2.0T or 2.4L GDI engines to update the diagnostic logic for DTC P0087 (Fuel Rail/System Pressure - Too Low).

### NOTICE

This ECM update revises the diagnostic logic for DTC P0087 that may occur with a normally operating vehicle.

Further diagnosis may be required if the Malfunction Indicator Light (MIL) is illuminated for DTC P0087 with the following conditions:

- extended crank while starting the engine
- hesitation and/or reduced power during acceleration

If DTC P0087 and/or any of the listed conditions exist after the ECM update, then proceed with the diagnosis of the fuel system to perform the final repair as necessary.

### Applicable Vehicles:

- Certain 2012-2013MY SONATA (YF) with 2.0T or 2.4L GDI engine
- Certain 2013MY SANTA FE SPORT (AN) with 2.0T or 2.4L GDI engine

### GDS Information:

Event #	Description
347*	"YFA 2.4GDI HIGH PRESSURE CONTROL LOGIC IMPROVE"
348*	"AN 2.4GDI HIGH PRESSURE CONTROL LOGIC IMPROVE"
350*	"YFA 2.0T-GDI HIGH PRESSURE CONTROL LOGIC IMPROVE"
352*	"AN 2.0T-GDI HIGH PRESSURE CONTROL LOGIC IMPROVE"

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

**SUBJECT:**

ECM UPDATE - DTC P0087 (SERVICE CAMPAIGN 935)

**Warranty Information:**

Model	Op Code	Operation	Op Time
SONATA YF 2.0TGDI/2.4GDI	50CA03R0	ECU UPGRADE	0.3 M/H
SANTA FE SPORT AN 2.0TGDI/2.4GDI	50CA03R1		

**NOTE:**

- Submit claim on Campaign Claim Entry Screen.
- Causal part not required for campaign.

**NOTICE****You must initially perform GDS ECU Update in Auto Mode.**

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

**ROM ID Information Table:**

Verify the ECU ROM ID before updating the software. Refer to the table below.

**#347**

Model	Trans	IMMOBILIZER	MY	ECM P/N	OLD	NEW
					ROM ID	ROM ID
YFA 2.4GDI	6AT	IMMO	12MY(SULEV)	39111-2G677	YCS4RB3A	YCS4RB3B
			13MY(SULEV)	39111-2G678	YDS4RE1A YDS4REAA YDS4RF0A YDS4RF3A	YDS4RF3B
		NON IMMO	12MY(SULEV)	39111-2G667	YCS4MB3A	YCS4MB3B
			13MY(SULEV)	39111-2G668	YDS4ME1A YDS4MEAA YDS4MF0A YDS4MF3A	YDS4MF3B
	6AT	IMMO	12MY(ULEV)	39111-2G672	YCC4RB3A	YCC4RB3B
			13MY(ULEV)	39111-2G673	YDC4RE1A YDC4REAA YDC4RF3A	YDC4RF3B
		NON IMMO	12MY(ULEV)	39111-2G662	YCC4MB3A	YCC4MB3B
			13MY(ULEV)	39111-2G663	YDC4ME1A YDC4MEAA YDC4MF3A	YDC4MF3B
	6MT	IMMO	12MY(ULEV)	39112-2G672	YCC4RB3A	YCC4RB3B
			13MY(ULEV)	39112-2G673	YDC4RF0A YDC4RE1A YDC4REAA YDC4RF0A YDC4RF3A	YDC4RF3B
		NON IMMO	12MY(ULEV)	39112-2G662	YCC4MB3A	YCC4MB3B
			13MY(ULEV)	39112-2G663	YDC4MF0A YDC4ME1A YDC4MEAA YDC4MF0A YDC4MF3A	YDC4MF3B

**#348**

Model	Trans	Drivetrain	IMMO	MY	ECM P/N	OLD	NEW
						ROM ID	ROM ID
AN 2.4GDI	6AT	2WD	IMMO	13MY(ULEV)	39100-2GAE0	BDC4RE5A	BDC4RG0B
			Non IMMO			39100-2GAG0	BDC4RE5B BDC4RE5C BDC4RE5D BDC4RG0A
		4WD			IMMO		39100-2GAE5
			Non IMMO			39100-2GAG5	

**#350**

Model	Trans	IMMO	MY	ECM P/N	OLD	NEW
					ROM ID	ROM ID
YFA 2.0T-GDI	6AT	IMMO	12MY(ULEV)	39111-2G691	YCC0RB3A YCC0RC0B	YCC0RC0C
			13MY(ULEV)	39111-2G691	YDC0RE1A YDC0RE3A YDC0RE5A YDC0REAA	YDC0REAB
				39111-2G692	YDC0RF3A	YDC0RF3B
				39111-2G694	YDC0RG1A	YDC0RG1B

**#352**

Model	Trans	Drivetrain	IMMO	MY	ECM P/N	OLD	NEW
						ROM ID	ROM ID
AN 2.0T-GDI	6AT	2WD	IMMO	13MY(ULEV)	39100-2GBB0	BDC0RE3A BDC0RE3B BDC0RE5A BDC0RE5B BDC0RF2A BDC0RF3A BDC0RG0A BDC0RG01	BDC0RG02
			Non-IMMO		39100-2GBD0	BDC0ME3A BDC0ME3B BDC0ME5A BDC0ME5B BDC0MF2A BDC0MF3A BDC0MG0A BDC0MG01	BDC0MG02
		4WD	IMMO		39100-2GBC0	BDC0RE3A BDC0RE3B BDC0RE5A BDC0RE5B BDC0RF2A BDC0RF3A BDC0RG0A BDC0RG01	BDC0RG02
			Non-IMMO		39100-2GBE0	BDC0ME3A BDC0ME3B BDC0ME5A BDC0ME5B BDC0MF2A BDC0MF3A BDC0MG0A BDC0MG01	BDC0MG02

**MANUAL MODE PASSWORD INFORMATION TABLE:**

#347 MENU	PASSWORD
YFA 2.4GDI SULEV 6AT <b>NON IMMO</b> 39111-2G667	2667
YFA 2.4GDI SULEV 6AT <b>NON IMMO</b> 39111-2G668	2668
YFA 2.4GDI SULEV 6AT <b>IMMO</b> 39111-2G677	2677
YFA 2.4GDI SULEV 6AT <b>IMMO</b> 39111-2G678	2678
YFA 2.4GDI ULEV <b>NON IMMO</b> 39111/12-2G662	2662
YFA 2.4GDI ULEV <b>NON IMMO</b> 39111/12-2G663	2663
YFA 2.4GDI ULEV <b>IMMO</b> 39111/12-2G672	2672
YFA 2.4GDI ULEV <b>IMMO</b> 39111/12-2G673	2673

#348 MENU	PASSWORD
AN 2.4GDI 6AT <b>NON IMMO</b> 39100-2GAG0/G5[~ME5A]	0025
AN 2.4GDI 6AT <b>NON IMMO</b> 39100-2GAG0/G5[~ME5B,~ME5C,~ME5D,~MG0A]	0026
AN 2.4GDI 6AT <b>IMMO</b> 39100-2GAE0/E5[~RE5A]	0027
AN 2.4GDI 6AT <b>IMMO</b> 39100-2GAE0/E5[~RE5B,~RE5C,~RE5D,~RG0A]	0028

#350 MENU	PASSWORD
YFA 2.0T-GDI <b>IMMO</b> 39111-2G691[~RB3A,~RC0B]	2691
YFA 2.0T-GDI <b>IMMO</b> 39111-2G691[~RE1A,~RE3A,~RE5A,~REAA]	2692
YFA 2.0T-GDI <b>IMMO</b> 39111-2G692	2693
YFA 2.0T-GDI <b>IMMO</b> 39111-2G694	2694

#352 MENU	PASSWORD
AN 2.0T-GDI 6AT <b>NON IMMO</b> 39100-2GBD0/BE0	0020
AN 2.0T-GDI 6AT <b>IMMO</b> 39100-2GBB0/BC0	0021

**NOTE:** **IMMO** is for Start-Stop Button Start. **NON IMMO** is for Key Start.