 HYUNDAI Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 20-01-006H
	DATE FEBRUARY 2020	MODEL(S) APPLICABLE MODELS BELOW
SUBJECT: ENGINE MONITORING LOGIC PRODUCT IMPROVEMENT (SERVICE CAMPAIGN 953)		

This TSB supersedes TSB# 19-01-002H-4 to update the ECM software on 2.4L engines.

★ IMPORTANT

***** Dealer Stock & Retail Vehicles *****

Dealers must perform this Campaign on all affected vehicles prior to customer retail delivery and 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: Hyundai is conducting a product improvement campaign to enhance the knock sensor software to detect abnormal engine bearing noise before potentially severe engine damage occurs. If abnormal engine bearing noise is detected, the Malfunction Indicator Lamp (MIL) will blink continuously, a chime will sound on certain vehicles, and the vehicle will be placed in Engine Protection Mode allowing the customer to drive to the nearest Hyundai dealer for diagnosis and repair. In addition, DTC P132600 will be recorded in the ECM. The vehicle can continue to be operated for a limited time in Engine Protection Mode, but it will accelerate slower and have a reduced maximum speed. Engine RPMs will be limited to approximately 1800-2000 RPM.

Applicable Vehicles:

Certain 2011-2014 MY Sonata (YF) vehicles with 2.0L Turbo and 2.4L engines
 Certain 2015-2019 MY Sonata (LF) vehicles with 2.0L Turbo and 2.4L engines
 Certain 2013-2018 MY Santa Fe Sport (AN) vehicles with 2.0L Turbo and 2.4L engines
 Certain 2019 MY Santa Fe (TM) vehicles with 2.0L Turbo and 2.4L engines
 Certain 2014-2015 MY Tucson (LM) vehicles with 2.4L engines
 Certain 2018-2019 MY Tucson (TL) vehicles with 2.4L engines
 Certain 2019 MY Veloster N (JSN) vehicles with 2.0L Turbo engines

GDS Information:

ROM ID Information Table - Engine ECM

VEHICLE	EVENT #	NOTE
11-14MY Sonata (YF)	567*	Updated 2/2020 (2.4L)
15-18MY Sonata (LF)	561*	Updated 2/2020 (2.4L)
19MY Sonata (LF)	570*	Updated 2/2020 (2.4L)
13-14MY Santa Fe Sport (AN)	568*	Updated 2/2020 (2.4L)
15MY Santa Fe Sport (AN)	562*	Updated 2/2020 (2.4L)
16MY Santa Fe Sport (AN)	563*	Updated 2/2020 (2.4L)
17-18MY Santa Fe Sport (AN)	564*	Updated 2/2020 (2.4L)
19MY Santa Fe (TM)	571*	Updated 2/2020 (2.4L)
14-15MY Tucson (LM) (ULEV)	565*	Updated 2/2020 (2.4L)
14-15MY Tucson (LM) (SULEV)	See note	
18MY Tucson (TL)	566*	Updated 2/2020 (2.4L)
19MY Tucson (TL)	573*	Updated 2/2020 (2.4L)
19MY Veloster N (JSN)	572*	Updated 2/2020 (2.4L)

* Use the latest event listed in the GDS ECU update screen if one is available

Note: For 14-15MY Tucson (LM) (SULEV), refer to Campaign 959. If Campaign 959 is not available, use EVENT # 496.

11-14MY SONATA (YF), 13-14MY SANTA FE SPORT (AN)

VEHICLE	MY	ECU P/No.		ROM ID	
				OLD	NEW
Sonata (YF) 2.4L	11MY (ULEV)	39***-2G670	39***-2G670	YBC4R75A YBC4R75B YBC4RF3K YBC4RF3M	YBC4RF3O
		39***-2G671	39***-2G671	YBC4R86B YBC4R86C YBC4R88A YBC4R88B YBC4R88C YBC4RF3L YBC4RF3N	YBC4RF3P
		39***-2G660	39***-2G660	YBC4M75A YBC4M75B YBC4MF3K YBC4MF3M	YBC4MF3O
		39***-2G661	39***-2G661	YBC4M86B YBC4M86C YBC4M88A YBC4M88B	YBC4MF3P

				YBC4M88C YBC4MF3L YBC4MF3N	
	11MY (SULEV)	39***-2G675	-	YBS4R82A YBS4RF3E YBS4RF3G YBS4RF3K YBS4RF3M	YBS4RF3O
		39***-2G676	-	YBS4R86B YBS4R86C YBS4R88A YBS4R88B YBS4RF3F YBS4RF3H YBS4RF3L YBS4RF3N	YBS4RF3P
		39***-2G665	-	YBS4M82A YBS4MF3E YBS4MF3G YBS4MF3K YBS4MF3M	YBS4MF3O
		39***-2G666	-	YBS4M86B YBS4M86C YBS4M88A YBS4M88B YBS4MF3F YBS4MF3H YBS4MF3L YBS4MF3N	YBS4MF3P
	12MY (ULEV)	39***-2G672	39***-2G672	YCC4RB3A YCC4RB3B YCC4RB3C YCC4RB3K YCC4RB3L	YCC4RB3M
		39***-2G662	39***-2G662	YCC4MB3A YCC4MB3B YCC4MB3C YCC4MB3K YCC4MB3L	YCC4MB3M
	12MY (SULEV)	39***-2G677	-	YCS4RB3A YCS4RB3B YCS4RB3C YCS4RB3K YCS4RB3L	YCS4RB3M
		39***-2G667	-	YCS4MB3A YCS4MB3B YCS4MB3C YCS4MB3K YCS4MB3L	YCS4MB3M

	13MY (ULEV)	39***-2G673	39***-2G673	YDC4RF0A YDC4RE1A YDC4REAA YDC4RF3A YDC4RF3B YDC4RF3C YDC4RF3K YDC4RF3L	YDC4RF3M	
		39***-2G663	39***-2G663	YDC4MF0A YDC4ME1A YDC4MEAA YDC4MF3A YDC4MF3B YDC4MF3C YDC4MF3K YDC4MF3L	YDC4MF3M	
	13MY (SULEV)	39***-2G678	-	YDS4RE1A YDS4REAA YDS4RF0A YDS4RF3A YDS4RF3B YDS4RF3C YDS4RF3K YDS4RF3L	YDS4RF3M	
		39***-2G668	-	YDS4ME1A YDS4MEAA YDS4MF0A YDS4MF3A YDS4MF3B YDS4MF3C YDS4MF3K YDS4MF3L	YDS4MF3M	
	14MY (ULEV)	39***-2G674	39***-2G674	YEC4RH2A YEC4RH2B YEC4RH2K YEC4RH2L	YEC4RH2M	
		39***-2G664	39***-2G664	YEC4MH2A YEC4MH2B YEC4MH2K YEC4MH2L	YEC4MH2M	
	14MY (SULEV)	39***-2G679	-	YES4RH2A YES4RH2B YES4RH2K YES4RH2L	YES4RH2M	
		39***-2G669	-	YES4MH2A YES4MH2B YES4MH2K YES4MH2L	YES4MH2M	
	Sonata (YF) 2.0T	11MY (ULEV)	39***-2G690	-	YBC0R95B YBC0R95D YBC0R95E YBC0R96A YBC0R97A	YDC0RF3L

				YBC0R97B YDC0RF3A YDC0RF3B YDC0RF3K	
		39***-2G680	-	YBC0M95B YBC0M95D YBC0M95E YBC0M96A YBC0M97A YBC0M97B YDC0MF3A YDC0MF3B YDC0MF3K	YDC0MF3L
	12MY (ULEV)	39***-2G691	-	YCC0RB3A YCC0RC0B YCC0RC0C YDC0RF3K	YDC0RF3L
		39***-2G681	-	YCC0MB3A YCC0MC0B YCC0MC0C YDC0MF3K	YDC0MF3L
	13MY (ULEV)	39***-2G691	-	YDC0RE1A YDC0REAA YDC0REAB YDC0RE3A YDC0RE5A YDC0RF3A YDC0RF3B YDC0RF3K	YDC0RF3L
		39***-2G681	-	YDC0ME1A YDC0MEAA YDC0MEAB YDC0ME3A YDC0ME5A YDC0MF3A YDC0MF3B YDC0MF3K	YDC0MF3L
		39***-2G692	-	YDC0RF3A YDC0RF3B YDC0RF3K	YDC0RF3L
		39***-2G682	-	YDC0MF3A YDC0MF3B YDC0MF3K	YDC0MF3L
		39***-2G694	-	YDC0RG1A YDC0RG1B YDC0RG1K	YDC0RG1L
		39***-2G684	-	YDC0MG1A YDC0MG1B YDC0MG1K	YDC0MG1L
		14MY (ULEV)	39***-2G693	-	YEC0RH2A YEC0RH2B YEC0RH2K

		39***-2G683	-	YEC0MH2A YEC0MH2B YEC0MH2K	YEC0MH2L
Santa Fe Sport (AN) 2.4L	13MY	39***-2GAE0	39***-2GAE0	BDC4RE3A BDC4RE5A BDC4RG0B BDC4RG0D BDC4RG1K BDC4RG1O	BDC4RG1S
				BDC4RE5B BDC4RE5C BDC4RE5D BDC4RF3A BDC4RG0A BDC4RG0C BDC4RG0E BDC4RG1M BDC4RG1Q	BDC4RG1U
		39***-2GAE5	-	BDC4RE3A BDC4RE5A BDC4RG0B BDC4RG0D BDC4RG1L BDC4RG1P	BDC4RG1T
				BDC4RE5B BDC4RE5C BDC4RE5D BDC4RF3A BDC4RG0A BDC4RG0C BDC4RG0E BDC4RG1N BDC4RG1R	BDC4RG1V
		39***-2GAG0	39***-2GAG0	BDC4ME3A BDC4ME5A BDC4MG0B BDC4MG0D BDC4MG1K BDC4MG1O	BDC4MG1S
				BDC4ME5B BDC4ME5C BDC4ME5D BDC4MF3A BDC4MG0A BDC4MG0C BDC4MG0E BDC4MG1M BDC4MG1Q	BDC4MG1U
		39***-2GAG5	-	BDC4ME3A BDC4ME5A BDC4MG0B BDC4MG0D BDC4MG1L	BDC4MG1T

				BDC4MG1P			
				BDC4ME5B BDC4ME5C BDC4ME5D BDC4MF3A BDC4MG0A BDC4MG0C BDC4MG0E BDC4MG1N BDC4MG1R	BDC4MG1V		
				39***-2GAE1	39***-2GAE1	BEC4RH2A BEC4RH2B BEC4RH2K BEC4RH2M	BEC4RH2O
				39***-2GAE6	-	BEC4RH2A BEC4RH2B BEC4RH2L BEC4RH2N	BEC4RH2P
				39***-2GAG1	39***-2GAG1	BEC4MH2A BEC4MH2B BEC4MH2K BEC4MH2M	BEC4MH2O
	14MY	39***-2GAG6	-	BEC4MH2A BEC4MH2B BEC4MH2L BEC4MH2N	BEC4MH2P		
Santa Fe Sport (AN) 2.0T	13MY	39***-2GBB0	-	BDC0RE3A BDC0RE3B BDC0RE5A BDC0RE5B BDC0RF2A BDC0RF3A BDC0RG0A BDC0RG01 BDC0RG02 BDC0RG1K	BDC0RG1M		
		39***-2GBC0	-	BDC0RE3A BDC0RE3B BDC0RE5A BDC0RE5B BDC0RF2A BDC0RF3A BDC0RG0A BDC0RG01 BDC0RG02 BDC0RG1L	BDC0RG1N		

		39***-2GBD0	-	BDC0ME3A BDC0ME3B BDC0ME5A BDC0ME5B BDC0MF2A BDC0MF3A BDC0MG0A BDC0MG01 BDC0MG02 BDC0MG1K	BDC0MG1M
		39***-2GBE0	-	BDC0ME3A BDC0ME3B BDC0ME5A BDC0ME5B BDC0MF2A BDC0MF3A BDC0MG0A BDC0MG01 BDC0MG02 BDC0MG1L	BDC0MG1N
	14MY	39***-2GBB1	-	BEC0RH2A BEC0RH2B BEC0RH2K	BEC0RH2M
		39***-2GBC1	-	BEC0RH2A BEC0RH2B BEC0RH2L	BEC0RH2N
		39***-2GBD1	-	BEC0MH2A BEC0MH2B BEC0MH2K	BEC0MH2M
		39***-2GBE1	-	BEC0MH2A BEC0MH2B BEC0MH2L	BEC0MH2N

15-18MY SONATA (LF), 15-18MY SANTA FE SPORT (AN), 14-15MY TUCSON (LM), 18MY TUCSON(TL)

VEHICLE	MY	ECU P/No.		ROM ID	
				OLD	NEW
Sonata (LF) 2.4L	15MY (ULEV)	39***-2GGK5	-	LFAFNC4ER86A LFAFNC4ER86B LFAFNC4ER86C LFAFNC4ER87A LFAFNC4ER87B LFAFNC4ER88A LFAFNC4ERA51 LFAFNC4ERA53 LFAFNC4ERC0A LFAFNC4ERC0K LFAFNC4ERC0L	LFAFNC4ERC0M
		39***-2GGK0	-	LFAFNC4EM86A LFAFNC4EM86B LFAFNC4EM86C	LFAFNC4EMC0M

				LFAFNC4EM87A LFAFNC4EM87B LFAFNC4EM88A LFAFNC4EMA51 LFAFNC4EMA53 LFAFNC4EMC0A LFAFNC4EMC0K LFAFNC4EMC0L	
	15MY (SULEV)	39***-2GGL5	-	LFAFNS4ER86A LFAFNS4ER86B LFAFNS4ER86C LFAFNS4ER87A LFAFNS4ER87B LFAFNS4ER88A LFAFNS4ERA51 LFAFNS4ERA53 LFAFNS4ERC0A LFAFNS4ERC0K LFAFNS4ERC0L	LFAFNS4ERC0M
		39***-2GGL0	-	LFAFNS4EM86A LFAFNS4EM86B LFAFNS4EM86C LFAFNS4EM87A LFAFNS4EM87B LFAFNS4EM88A LFAFNS4EMA51 LFAFNS4EMA53 LFAFNS4EMC0A LFAFNS4EMC0K LFAFNS4EMC0L	LFAFNS4EMC0M
	16MY (ULEV)	39***-2GGK6	-	LFAGNC4ERA3A LFAGNC4ERA5A LFAGNC4ERB0B LFAGNC4ERC0A LFAGNC4ERC0K LFAGNC4ERC0L	LFAGNC4ERC0M
		39***-2GGK1	-	LFAGNC4EMA3A LFAGNC4EMA5A LFAGNC4EMB0B LFAGNC4EMC0A LFAGNC4EMC0K LFAGNC4EMC0L	LFAGNC4EMC0M
	16MY (SULEV)	39***-2GGL6	-	LFAGNS4ERA3A LFAGNS4ERA5A LFAGNS4ERB0B LFAGNS4ERC0A LFAGNS4ERC0K LFAGNS4ERC0L	LFAGNS4ERC0M
		39***-2GGL1	-	LFAGNS4EMA3A LFAGNS4EMA5A LFAGNS4EMB0B LFAGNS4EMC0A LFAGNS4EMC0K	LFAGNS4EMC0M

				LFAHNS4EMC0L	
17MY (ULEV)	39***-2GGK7	-	LFAHNC4ERC0A LFAHNC4ERC0K LFAHNC4ERC0L LFAHNC4ERC0N	LFAHNC4ERC0O	
	39***-2GGK2	-	LFAHNC4EMC0A LFAHNC4EMC0K LFAHNC4EMC0L LFAHNC4EMC0N	LFAHNC4EMC0O	
17MY (SULEV)	39***-2GGL7	-	LFAHNS4ERC0A LFAHNS4ERC0K LFAHNS4ERC0L LFAHNS4ERC0N	LFAHNS4ERC0O	
	39***-2GGL2	-	LFAHNS4EMC0A LFAHNS4EMC0K LFAHNS4EMC0L LFAHNS4EMC0N	LFAHNS4EMC0O	
17MY (ULEV)	39***-2GGK8	-	LFAHNC4ERC0B LFAHNC4ERC3A LFAHNC4ERC3B LFAHNC4ERC3K LFAHNC4ERC3L LFAHNC4ERC3N	LFAHNC4ERC3O	
	39***-2GGK3	-	LFAHNC4EMC0B LFAHNC4EMC3A LFAHNC4EMC3B LFAHNC4EMC3K LFAHNC4EMC3L LFAHNC4EMC3N	LFAHNC4EMC3O	
17MY (SULEV)	39***-2GGL8	-	LFAHNS4ERC0B LFAHNS4ERC3A LFAHNS4ERC3B LFAHNS4ERC3K LFAHNS4ERC3L LFAHNS4ERC3N	LFAHNS4ERC3O	
	39***-2GGL3	-	LFAHNS4EMC0B LFAHNS4EMC3A LFAHNS4EMC3B LFAHNS4EMC3K LFAHNS4EMC3L LFAHNS4EMC3N	LFAHNS4EMC3O	
17MY (ULEV)	39***-2GGK9	-	LFAHNC4ERC5A LFAHNC4ERC5K LFAHNC4ERC5L LFAHNC4ERC5N	LFAHNC4ERC5O	
	39***-2GGK4	-	LFAHNC4EMC5A LFAHNC4EMC5K LFAHNC4EMC5L LFAHNC4EMC5N	LFAHNC4EMC5O	
17MY (SULEV)	39***-2GGL9	-	LFAHNS4ERC5A LFAHNS4ERC5K LFAHNS4ERC5L	LFAHNS4ERC5O	

				LFAHNS4ERC5N		
		39***-2GGL4	-	LFAHNS4EMC5A LFAHNS4EMC5K LFAHNS4EMC5L LFAHNS4EMC5N	LFAHNS4EMC5O	
Sonata (LF) 2.0T	15MY (ULEV)	39***-2GTE5	-	LFAFNC0ER87A LFAFNC0ER87B LFAFNC0ER88A LFAFNC0ER88K	LFAFNC0ER88L	
	16MY (ULEV)	39***-2GTE6	-	LFAGNC0ERA3A LFAGNC0ERA3K	LFAGNC0ERA3L	
		39***-2GTE1	-	LFAGNC0EMA3A LFAGNC0EMA3K	LFAGNC0EMA3L	
	17MY (ULEV)	39***-2GTE7	-	LFAHNC0ERC2A LFAHNC0ERC3A LFAHNC0ERC3K LFAHNC0ERC3L	LFAHNC0ERC3N	
		39***-2GTE2	-	LFAHNC0EMC2A LFAHNC0EMC3A LFAHNC0EMC3K LFAHNC0EMC3L	LFAHNC0EMC3N	
Sonata (LF) 2.4L	18MY (ULEV)	39***-2GGJ5	-	LPAINC4ERDAA LPAINC4ERDAB LPAINC4ERD5A LPAINC4ERD5B LPAINC4ERD5K LPAINC4ERD5L LPAINC4ERD5N	LPAINC4ERD5O	
		39***-2GGJ0	-	LPAINC4EMDAA LPAINC4EMDAB LPAINC4EMD5A LPAINC4EMD5B LPAINC4EMD5K LPAINC4EMD5L LPAINC4EMD5N	LPAINC4EMD5O	
	18MY (SULEV)	39***-2GGK5	-	LPAINS4ERDAA LPAINS4ERDAB LPAINS4ERD5A LPAINS4ERD5B LPAINS4ERD5K LPAINS4ERD5L LPAINS4ERD5N	LPAINS4ERD5O	
		39***-2GGK0	-	LPAINS4EMDAA LPAINS4EMDAB LPAINS4EMD5A LPAINS4EMD5B LPAINS4EMD5K LPAINS4EMD5L LPAINS4EMD5N	LPAINS4EMD5O	
	Sonata (LF) 2.0T	18MY (ULEV)	39***-2GTE5 39***-2GTE6	-	LPAINC08RD3A LPAINC08RD3B	LPAINC08RD5N

				LPAINC08RD5A LPAINC08RD5D LPAINC08RD5K LPAINC08RD5L	
		39***-2GTE0 39***-2GTE1	-	LPAINC08MD3A LPAINC08MD3B LPAINC08MD5A LPAINC08MD5D LPAINC08MD5K LPAINC08MD5L	LPAINC08MD5N
Santa Fe Sport (AN) 2.4L	15MY (ULEV)	39***-2GAE2 39***-2GAE7	39***-2GAE2	BFC4RH5A BFC4RH5B BFC4RH6A BFC4RH6B	BFC4RH6C
		39***-2GAG2 39***-2GAG7	39***-2GAG2	BFC4MH5A BFC4MH5B BFC4MH6A BFC4MH6B	BFC4MH6C
	16MY (ULEV)	39***-2GAE4	39***-2GAE4	BGC4RH5A BGC4RH5B BGC4RH6A BGC4RH6C	BGC4RH6E
		39***-2GAE9	-	BGC4RH5A BGC4RH5B BGC4RH6B BGC4RH6D	BGC4RH6F
		39***-2GAG4	39***-2GAG4	BGC4MH5A BGC4MH5B BGC4MH6A BGC4MH6C	BGC4MH6E
		39***-2GAG9	-	BGC4MH5A BGC4MH5B BGC4MH6B BGC4MH6D	BGC4MH6F
Santa Fe Sport (AN) 2.0T	15MY (ULEV)	39***-2GBB2 39***-2GBC2	-	BFC0RH5A BFC0RH6A	BFC0RH6B
		39***-2GBD2 39***-2GBE2	-	BFC0MH5A BFC0MH6A	BFC0MH6B
	16MY (ULEV)	39***-2GBB4	-	BGC0RH5A BGC0RH6A	BGC0RH6C
		39***-2GBC4	-	BGC0RH5A BGC0RH6B	BGC0RH6D
		39***-2GBD4	-	BGC0MH5A BGC0MH6A	BGC0MH6C
		39***-2GBE4	-	BGC0MH5A BGC0MH6B	BGC0MH6D
Santa Fe Sport (AN) 2.4L	17MY (ULEV)	39***-2GKP0	-	DMAHNC4ERB2A DMAHNC4ERB2B DMAHNC4ERB2C DMAHNC4ERB4A DMAHNC4ERB4K DMAHNC4ERB4M	DMAHNC4ERB4S

				DMAHNC4ERB4Q	
		39***-2GKP5	-	DMAHNC4ERB2A DMAHNC4ERB2B DMAHNC4ERB2C DMAHNC4ERB4A DMAHNC4ERB4L DMAHNC4ERB4N DMAHNC4ERB4R	DMAHNC4ERB4T
		39***-2GKR0	-	DMAHNC4EMB2A DMAHNC4EMB2B DMAHNC4EMB2C DMAHNC4EMB4A DMAHNC4EMB4K DMAHNC4EMB4M DMAHNC4EMB4Q	DMAHNC4EMB4S
		39***-2GKR5	-	DMAHNC4EMB2A DMAHNC4EMB2B DMAHNC4EMB2C DMAHNC4EMB4A DMAHNC4EMB4L DMAHNC4EMB4N DMAHNC4EMB4R	DMAHNC4EMB4T
	18MY (ULEV)	39***-2GKP1	-	DMAINC4ERB4A DMAINC4ERC0A DMAINC4ERB5A DMAINC4ERB5B DMAINC4ERB5K DMAINC4ERB5M DMAINC4ERB5Q	DMAINC4ERB5S
		39***-2GKP6	-	DMAINC4ERB4A DMAINC4ERC0A DMAINC4ERB5A DMAINC4ERB5B DMAINC4ERB5L DMAINC4ERB5N DMAINC4ERB5R	DMAINC4ERB5T
		39***-2GKR1	-	DMAINC4EMB4A DMAINC4EMC0A DMAINC4EMB5A DMAINC4EMB5B DMAINC4EMB5K DMAINC4EMB5M DMAINC4EMB5Q	DMAINC4EMB5S
		39***-2GKR6	-	DMAINC4EMB4A DMAINC4EMC0A DMAINC4EMB5A DMAINC4EMB5B DMAINC4EMB5L DMAINC4EMB5N DMAINC4EMB5R	DMAINC4EMB5T

Santa Fe Sport (AN) 2.0T	17MY (ULEV)	39***-2GKS0	-	DMAHNC0ERB2A DMAHNC0ERB4A DMAHNC0ERB4K DMAHNC0ERB4M	DMAHNC0ERB4Q	
		39***-2GKS5	-	DMAHNC0ERB2A DMAHNC0ERB4A DMAHNC0ERB4L DMAHNC0ERB4N	DMAHNC0ERB4R	
		39***-2GKT0	-	DMAHNC0EMB2A DMAHNC0EMB4A DMAHNC0EMB4K DMAHNC0EMB4M	DMAHNC0EMB4Q	
		39***-2GKT5	-	DMAHNC0EMB2A DMAHNC0EMB4A DMAHNC0EMB4L DMAHNC0EMB4N	DMAHNC0EMB4R	
	18MY (ULEV)	39***-2GKS1	-	DMAINC0ERB4A DMAINC0ERB5A DMAINC0ERB5B DMAINC0ERB5C DMAINC0ERB5K DMAINC0ERB5M	DMAINC0ERB5Q	
		39***-2GKS6	-	DMAINC0ERB4A DMAINC0ERB5A DMAINC0ERB5B DMAINC0ERB5C DMAINC0ERB5L DMAINC0ERB5N	DMAINC0ERB5R	
		39***-2GKT1	-	DMAINC0EMB4A DMAINC0EMB5A DMAINC0EMB5B DMAINC0EMB5C DMAINC0EMB5K DMAINC0EMB5M	DMAINC0EMB5Q	
		39***-2GKT6	-	DMAINC0EMB4A DMAINC0EMB5A DMAINC0EMB5B DMAINC0EMB5C DMAINC0EMB5L DMAINC0EMB5N	DMAINC0EMB5R	
	Tucson (LM) 2.4L	14MY (ULEV)	39***-2GBB0 39***-2GBB5	-	LEC4RH2A LEC4RH2B LEC4RH2C LEC4RH2K LEC4RH2L	LEC4RH2M
			39***-2GBD0 39***-2GBD5	-	LEC4MH2A LEC4MH2B LEC4MH2C LEC4MH2K LEC4MH2L	LEC4MH2M
15MY (ULEV)		39***-2GBB1 39***-2GBB2 39***-2GBB6	-	LFC4RH4A LFC4RH4B LFC4RH4K	LFC4RH4M	

SUBJECT:**ENGINE MONITORING LOGIC PRODUCT IMPROVEMENT (SERVICE CAMPAIGN 953)**

		39***-2GGB7		LFC4RH4L	
		39***-2GBD1 39***-2GBD2 39***-2GBD6 39***-2GBD7	-	LFC4MH4A LFC4MH4B LFC4MH4K LFC4MH4L	LFC4MH4M
Tucson (TL) 2.4L	18MY (ULEV)	39***-2GAA0	-	TSDINC4ERD5A TSDINC4ERD5K TSDINC4ERD5M TSDINC4ERD5Q	TSDINC4ERD5S
		39***-2GAA0	-	TSDINC4EMD5A TSDINC4EMD5K TSDINC4EMD5M TSDINC4EMD5Q	TSDINC4EMD5S
		39***-2GAB0	-	TSDINC4ERD5C TSDINC4ERD5L TSDINC4ERD5N TSDINC4ERD5R	TSDINC4ERD5T
		39***-2GAB0	-	TSDINC4EMD5C TSDINC4EMD5L TSDINC4EMD5N TSDINC4EMD5R	TSDINC4EMD5T

19MY SONATA(LF), 19MY SANTA FE (TM), 19MY VELOSTER N (JSN), 19MY TUCSON(TL)

VEHICLE	MY	ECU P/No.		ROM ID	
				OLD	NEW
Sonata (LF) 2.4L	19MY (SULEV)	39***-2GGK7	-	LPAJNS4ERE6A LPAJNS4ERG1B LPAJNS4ERG1C LPAJNS4ERG1D	LPAJNS4ERG1E
		39***-2GGK2	-	LPAJNS4EME6A LPAJNS4EMG1B LPAJNS4EMG1C LPAJNS4EMG1D	LPAJNS4EMG1E
Sonata (LF) 2.0T	19MY (ULEV)	39***-2GTE7	-	LPAJNC08RE6A LPAJNC08RG1B LPAJNC08RG1C	LPAJNC08RG1D
		39***-2GTE2	-	LPAJNC08ME6A LPAJNC08MG1B LPAJNC08MG1C	LPAJNC08MG1D
Santa Fe (TM) 2.4L	19MY (ULEV)	39***-2GTC0 39***-2GTD0	-	TMAJNC48SE2A TMAJNC48SE2B TMAJNC48SEAC TMAJNC48SEAD TMAJNC48SEAE TMAJNC48SEAF TMAJNC48SG1A TMAJNC48SG1B TMAJNC48SG1C	TMAJNC48SG1D
		39***-2GTE0 39***-2GTF0	-	TMAJNC48NE2A TMAJNC48NE2B TMAJNC48NEAC	TMAJNC48NG1D

				TMAJNC48NEAD TMAJNC48NEAE TMAJNC48NEAF TMAJNC48NG1A TMAJNC48NG1B TMAJNC48NG1C	
	19MY (SULEV)	39***-2GTC5 39***-2GTD5	-	TMAJNS48SE2A TMAJNS48SE2B TMAJNS48SEAC TMAJNS48SEAD TMAJNS48SEAE TMAJNS48SEAF TMAJNS48SG1A TMAJNS48SG1B TMAJNS48SG1C	TMAJNS48SG1D
		39***-2GTG0 39***-2GTH0	-	TMAJNS48NE2A TMAJNS48NE2B TMAJNS48NEAC TMAJNS48NEAD TMAJNS48NEAE TMAJNS48NEAF TMAJNS48NG1A TMAJNS48NG1B TMAJNS48NG1C	TMAJNS48NG1D
Santa Fe (TM) 2.0T	19MY (ULEV)	39***-2GTC0 39***-2GTD0	-	TMAJNC08RE5A TMAJNC08RE5B TMAJNC08RE5C TMAJNC08RG1A TMAJNC08RG1B	TMAJNC08RG1C
		39***-2GTC0 39***-2GTD0	-	TMAJNC08ME5A TMAJNC08ME5B TMAJNC08ME5C TMAJNC08MG1A TMAJNC08MG1B	TMAJNC08MG1C
Veloster N (JSN) 2.0T	19MY (ULEV)	39***-2GSG0	-	JSDJNC0ERE7A JSDJNC0ERG1B JSDJNC0ERG1C	JSDJNC0ERG1D
		39***-2GSJ0	-	JSDJNCPERE7A JSDJNCPERG1B JSDJNCPERG1C	JSDJNCPERG1D
Tucson (TL) 2.4L	19MY (ULEV)	39***-2GPA0 39***-2GPB0	-	TPDJNC4ERE6A TPDJNC4ERE6B TPDJNC4ERG1A TPDJNC4ERG1B TPDJNC4ERG1C	TPDJNC4ERG1D
		39***-2GPA0 39***-2GPB0	-	TPDJNC4EME6A TPDJNC4EME6B TPDJNC4EMG1A TPDJNC4EMG1B TPDJNC4EMG1C	TPDJNC4EMG1D
	19MY (SULEV)	39***-2GPG0	-	TPDJNS4ERE6A TPDJNS4ERE6B TPDJNS4ERE6C	TPDJNS4ERG1G

				TPDJNS4ERG1D TPDJNS4ERG1E TPDJNS4ERG1F	
		39***-2GPC0	-	TPDJNS4EME6A TPDJNS4EME6B TPDJNS4EME6C TPDJNS4EMG1D TPDJNS4EMG1E TPDJNS4EMG1F	TPDJNS4EMG1G

GDS Information:**ROM ID Information Table – Cluster**

Note: Cluster update only applies to 15MY Sonata (LF) and 15MY Santa Fe Sport (AN).

Model	Event # / Cluster Type	Part No.	OLD ROM ID	NEW ROM ID
2015 MY Sonata (LF)	EVENT #481 STANDARD CLUSTER	9400*-C2000	94001-C2000_A03	94001-C2000_103
			94001-C2000_110	94001-C2000_104
		9402*-C2000	94021-C2000_A02	94021-C2000_103
			94021-C2000_100	94021-C2000_104
	EVENT #482 SUPER VISION CLUSTER	9401*-C2000	94011-C2000_101	94011-C2000_103
			94011-C2000_102	
		9403*-C2000	94031-C2000_100	94031-C2000_103
			94031-C2000_101	
2015 MY Santa Fe Sport (AN)	EVENT #494 STANDARD CLUSTER	9400*-4Z300 9400*-4Z310 9400*-4Z320	94001-4Z300_200	9400*-4Z3*0_204
			94001-4Z310_200	
			94001-4Z320_200	
			94002-4Z300_200	
			94002-4Z310_200	
			94002-4Z320_200	
			94001-4Z300_201	
			94001-4Z310_201	
			94001-4Z320_201	
			94002-4Z300_201	
	94002-4Z310_201			
	94002-4Z320_201			
	EVENT #495 SUPER VISION CLUSTER	9401*-4Z300 9401*-4Z310 9401*-4Z320	94011-4Z300_201	9401*-4Z3*0_204
			94011-4Z310_201	
94011-4Z320_201				
94012-4Z300_201				
			94012-4Z310_201	
			94012-4Z320_201	
			94011-4Z300_202	
			94011-4Z310_202	
			94011-4Z320_202	
			94012-4Z300_202	
			94012-4Z310_202	
			94012-4Z320_202	
			94011-4Z300_203	
			94011-4Z310_203	
			94011-4Z320_203	
			94012-4Z300_203	
			94012-4Z310_203	
			94012-4Z320_203	

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part No.	Nature Code	Cause Code
11-14MY SONATA (YF)	80CA08R5	ECM UPDATE	0.3 M/H	39111-2G670	E13	ZZ3
15MY SONATA (LF)	80CA08R0	ECM & CLUSTER UPDATE	0.5 M/H	39111-2GGK5	E13	ZZ3
16-18MY SONATA (LF)	80CA08A6	ECM UPDATE	0.3 M/H	39111-2GGK6	E13	ZZ3
19MY SONATA (LF)	80CA08F1	ECM UPDATE	0.3 M/H	39112-2GGK7	E13	ZZ3
13-14MY SANTA FE SPORT (AN)	80CA08A5	ECM UPDATE	0.3 M/H	39100-2GAE0	E13	ZZ3
15MY SANTA FE SPORT (AN)	80CA08R4	ECM & CLUSTER UPDATE	0.5 M/H	39100-2GAE2	E13	ZZ3
16-18MY SANTA FE SPORT (AN)	80CA08A7	ECM UPDATE	0.3 M/H	39100-2GAE4	E13	ZZ3
19MY SANTA FE (TM)	80CA08F2	ECM UPDATE	0.3 M/H	39171-2GTC0	E13	ZZ3
14-15MY TUCSON (LM)	80CA08A2	ECM UPDATE	0.3 M/H	39106-2GBB0	E13	ZZ3
18MY TUCSON (TL)	80CA08B0	ECM UPDATE	0.3 M/H	39171-2GAA0	E13	ZZ3
19MY TUCSON (TL)	80CA08F3	ECM UPDATE	0.3 M/H	39171-2GAB0	E13	ZZ3
19MY VELOSTER N (JSN)	80CA08F4	ECM UPDATE	0.3 M/H	39165-2GSG0	E13	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same Repair Order. If the affected part(s) are out of warranty, request a Prior Authorization # for goodwill consideration prior to completing the Campaign.

Service Procedure:

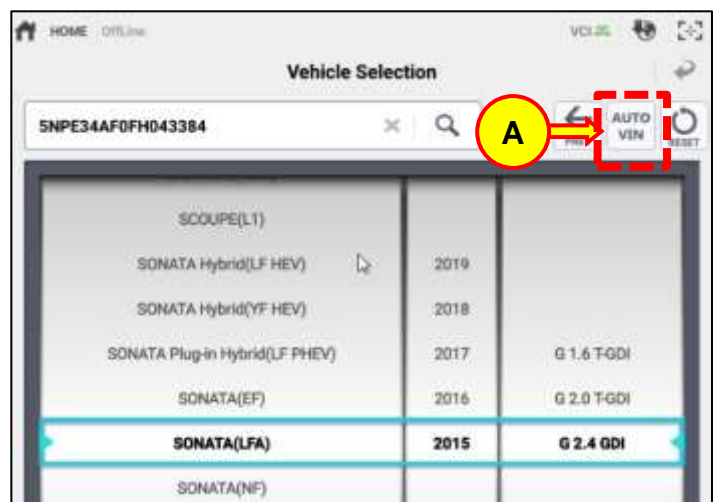
NOTICE

- Update the Engine ECM on all models and Cluster if applicable. Refer to Cluster ROM ID Information Table.
- Check the ROM ID of the vehicle's ECM and cluster and reference the ROM ID Information Table before attempting any updates.
- Ensure the GDS Mobile and the vehicle's battery are fully charged. Run the engine to charge the battery if necessary before attempting any updates.
- Turn off all lamps and do not leave the head lamp switch in auto mode. Turn off all accessories (including heater, A/C, blower, radio, seat warmer, defroster, etc.). Do not allow the battery to be discharged during update.
- Perform update with the ignition switch in the ON position.
- Be careful not to disconnect any cables connected to the vehicle or scan tool during update.
- Do not start the engine during update.
- Do not turn off the ignition switch during update unless specifically directed by the GDS Mobile.

1. Connect the VCI-II into the vehicle's DLC connector under the driver side instrument panel.



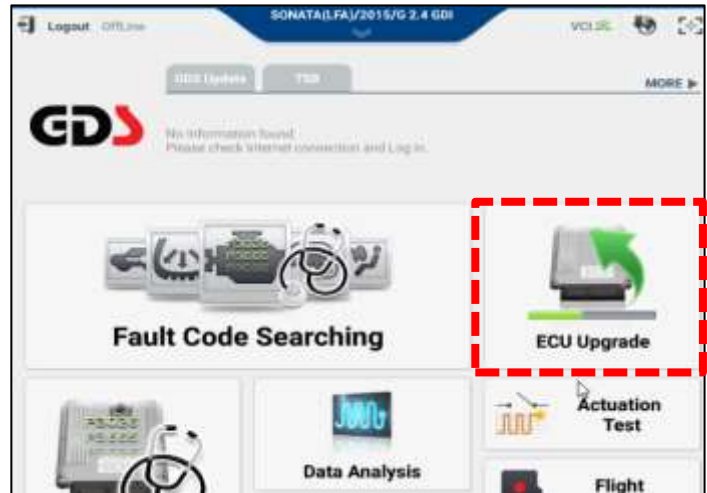
2. With the ignition in the ON position, open the GDS app on the GDS Mobile. Confirm GDS communication with the vehicle and use the **AUTO VIN** button (A) to detect the vehicle's VIN.



3. Select **ECU Upgrade** from the GDS main screen and then select **Auto Mode**.

NOTICE

Do not update using Manual Mode unless the Auto Mode fails.



4. Under **System**, select **Engine** to update the engine ECM. Then select **ID Check** to search for available updates.

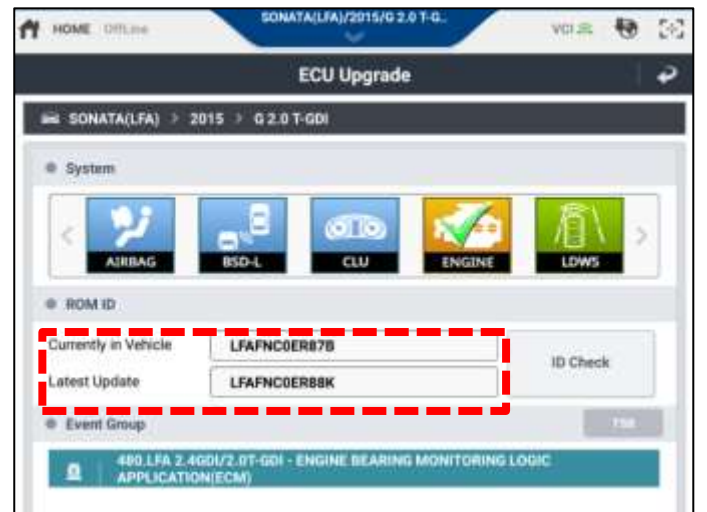


5. Confirm the ROM IDs match those in the ROM Information table for the vehicle specification. Select the event under **Event Group** and then select **Upgrade** to start the update.

The update is performed in two parts. Follow the prompts on the GDS to complete the update.

NOTICE

Do not touch the GDS buttons ('Back', 'Home', etc) while performing the update. Do not start the engine.



6. Once the update is performed successfully, select **OK** to continue. When prompted to run a fault code search, select **Yes** to check for DTCs. Clear all DTCs if any are stored.

NOTICE

Various warning messages may appear in the instrument cluster during the update. Clear any DTCs after the update.



7. Next update the cluster software (if applicable) starting with the process outlined in Step 3. Under **System** in the **ECU Upgrade** menu, select **CLU** to update the cluster. Skip to Step 8 for vehicles without cluster updates.

NOTICE

Update the Engine ECM on all models and Cluster if applicable. Refer to Cluster ROM ID Information Table.

Do not update using Manual Mode unless the Auto Mode fails.



8. When both the engine ECM and cluster updates (if applicable) are completed:

Check for any DTCs and perform the appropriate diagnostic service. Ensure no warning lights are present to complete the procedure.

Manual Update Procedure:

NOTICE

The manual update should be performed only when the automatic update fails.

If automatic update fails, turn the ignition off for about 10 seconds and then place it back in the on position to reset the control unit before performing a manual update.

1. Select **ECU Upgrade** from the GDS main screen and then select **Manual Mode**.

NOTICE

Do not update using Manual Mode unless the Auto Mode fails.

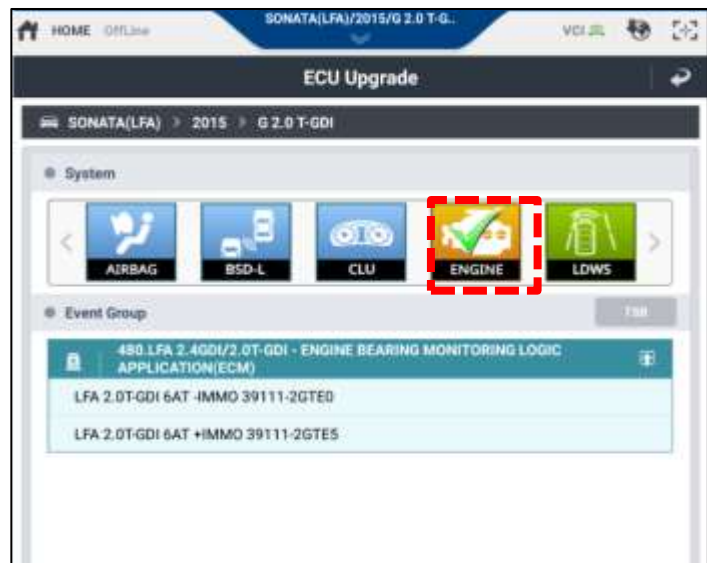
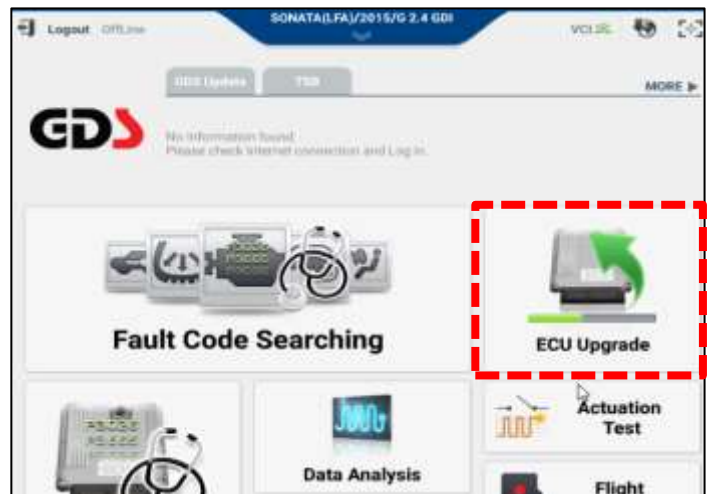
Ensure the correct update is performed by using the ROM ID Info tables. Any attempt to update using an incorrect ROM ID may cause the ECU to be inoperative.

Do not touch the GDS buttons ('Back', 'Home', etc) while performing the update.

Do not start the engine.

Various warning messages may appear in the instrument cluster during the update. Clear any DTCs after the update.

2. Under **System**, select **Engine** to update the engine ECM and, if applicable, **CLU** to update the cluster. Select the appropriate update by referencing the ROM ID Information and password tables. Select **Upgrade** and follow the prompts on the GDS to complete the update.



3. When both the engine ECM and cluster updates (if applicable) are completed:

Check for any DTCs and perform the appropriate diagnostic service. Ensure no warning lights are present to complete the procedure.

Manual Mode Update Passwords:

Engine ECM Update

#567 - 11-14MY Sonata (YF)

UPDATE NAME	PASSWORD
YFA 11MY 2.4GDI -IMMO 39***/2-2G660	6701
YFA 11MY 2.4GDI -IMMO 39***/2-2G661	6702
YFA 11MY 2.4GDI -IMMO 39***-2G665	6703
YFA 11MY 2.4GDI -IMMO 39***-2G666	6704
YFA 11MY 2.4GDI +IMMO 39***/2-2G670	6705
YFA 11MY 2.4GDI +IMMO 39***/2-2G671	6706
YFA 11MY 2.4GDI +IMMO 39***-2G675	6707
YFA 11MY 2.4GDI +IMMO 39***-2G676	6708
YFA 12MY 2.4GDI -IMMO 39***/2-2G662	6709
YFA 12MY 2.4GDI -IMMO 39***-2G667	6710
YFA 12MY 2.4GDI +IMMO 39***/2-2G672	6711
YFA 12MY 2.4GDI +IMMO 39***-2G677	6712
YFA 13MY 2.4GDI -IMMO 39***/2-2G663	6713
YFA 13MY 2.4GDI -IMMO 39***-2G668	6714
YFA 13MY 2.4GDI +IMMO 39***/2-2G673	6715
YFA 13MY 2.4GDI +IMMO 39***-2G678	6716
YFA 14MY 2.4GDI -IMMO 39***/2-2G664	6717
YFA 14MY 2.4GDI -IMMO 39***-2G669	6718
YFA 14MY 2.4GDI +IMMO 39***/2-2G674	6719
YFA 14MY 2.4GDI +IMMO 39***-2G679	6720
YFA 11~13MY 2.0T-GDI -IMMO 39***-2G680/1/2	6721
YFA 13MY 2.0T-GDI -IMMO 39***-2G684	6722
YFA 14MY 2.0T-GDI -IMMO 39***-2G683	6723
YFA 11~13MY 2.0T-GDI +IMMO 39***-2G690/1/2	6724
YFA 13MY 2.0T-GDI +IMMO 39***-2G694	6725
YFA 14MY 2.0T-GDI +IMMO 39***-2G693	6726

#561 - 15-18MY Sonata (LF)

UPDATE NAME	PASSWORD
LFA 15MY 2.4GDI -IMMO 39***-2GGK0 [ROM ID: LFAFNC4EM86A/86B/86C/87A/87B/88A/A51/A53/C0A/C0K]	6101
LFA 15MY 2.4GDI +IMMO 39***-2GGK5 [ROM ID:	6102

LFAFNC4ER86A/86B/86C/87A/87B/88A/A51/A53/C0A/C0K]	
LFA 15MY 2.4GDI -IMMO 39***-2GGL0 [ROM ID: LFAFNS4EM86A/86B/86C/87A/87B/88A/A51/A53/C0A/C0K]	6103
LFA 15MY 2.4GDI +IMMO 39***-2GGL5 [ROM ID: LFAFNS4ER86A/86B/86C/87A/87B/88A/A51/A53/C0A/C0K]	6104
LFA 16MY 2.4GDI -IMMO 39***-2GGK1 [ROM ID: LFAGNC4EMA3A/A5A/B0B/C0A/C0K]	6105
LFA 16MY 2.4GDI +IMMO 39***-2GGK6 [ROM ID: LFAGNC4ERA3A/A5A/B0B/C0A/C0K]	6106
LFA 16MY 2.4GDI -IMMO 39***-2GGL1 [ROM ID: LFAGNS4EMA3A/A5A/B0B/C0A/C0K]	6107
LFA 16MY 2.4GDI +IMMO 39***-2GGL6 [ROM ID: LFAGNS4ERA3A/A5A/B0B/C0A/C0K]	6108
LFA 17MY 2.4GDI -IMMO 39***-2GGK2 [ROM ID: LFAHNC4EMC0A/K/L]	6109
LFA 17MY 2.4GDI +IMMO 39***-2GGK7 [ROM ID: LFAHNC4ERC0A/K/L]	6110
LFA 17MY 2.4GDI -IMMO 39***-2GGL2 [ROM ID: LFAHNS4EMC0A/K/L]	6111
LFA 17MY 2.4GDI +IMMO 39***-2GGL7 [ROM ID: LFAHNS4ERC0A/K/L]	6112
LFA 17MY 2.4GDI -IMMO 39***-2GGK3 [ROM ID: LFAHNC4EMC0B/3A/3B/3K/3L]	6113
LFA 17MY 2.4GDI +IMMO 39***-2GGK8 [ROM ID: LFAHNC4ERC0B/3A/3B/3K/3L]	6114
LFA 17MY 2.4GDI -IMMO 39***-2GGL3 [ROM ID: LFAHNS4EMC0B/3A/3B/3K/3L]	6115
LFA 17MY 2.4GDI +IMMO 39***-2GGL8 [ROM ID: LFAHNS4ERC0B/3A/3B/3K/3L]	6116
LFA 17MY 2.4GDI -IMMO 39***-2GGK4 [ROM ID: LFAHNC4EMC5A/K/L]	6117
LFA 17MY 2.4GDI +IMMO 39***-2GGK9 [ROM ID: LFAHNC4ERC5A/K/L]	6118
LFA 17MY 2.4GDI -IMMO 39***-2GGL4 [ROM ID: LFAHNS4EMC5A/K/L]	6119
LFA 17MY 2.4GDI +IMMO 39***-2GGL9 [ROM ID: LFAHNS4ERC5A/K/L]	6120
LFA 15MY 2.0T-GDI +IMMO 39***-2GTE5 [ROM ID: LFAFNC0ER87A/7B/8A/8K]	6121
LFA 16MY 2.0T-GDI -IMMO 39***-2GTE1 [ROM ID: LFAGNC0EMA3A/K]	6122
LFA 16MY 2.0T-GDI +IMMO 39***-2GTE6 [ROM ID: LFAGNC0ERA3A/K]	6123
LFA 17MY 2.0T-GDI -IMMO 39***-2GTE2 [ROM ID: LFAHNC0EMC2A/3A/3K/3L]	6124
LFA 17MY 2.0T-GDI +IMMO 39***-2GTE7 [ROM ID: LFAHNC0ERC2A/3A/3K/3L]	6125
LFA PE 18MY 2.4GDI -IMMO 39***-2GGJ0 [ROM ID: LPAINC4EMDAA/AB/5A/5B/5K/5L]	6126
LFA PE 18MY 2.4GDI +IMMO 39***-2GGJ5 [ROM ID: LPAINC4ERDAA/AB/5A/5B/5K/5L]	6127
LFA PE 18MY 2.4GDI -IMMO 39***-2GGK0 [ROM ID: LPAINS4EMDAA/AB/5A/5B/5K/5L]	6128
LFA PE 18MY 2.4GDI +IMMO 39***-2GGK5 [ROM ID: LPAINS4ERDAA/AB/5A/5B/5K/5L]	6129
LFA PE 18MY 2.0T-GDI -IMMO 39***-2GTE0/1 [ROM ID: LPAINC08MD3A/3B/5A/5D/5K/5L]	6130
LFA PE 18MY 2.0T-GDI +IMMO 39***-2GTE5/6 [ROM ID: LPAINC08RD3A/3B/5A/5D/5K/5L]	6131

#570 - 19MY Sonata

UPDATE NAME	PASSWORD
LFA PE 19MY 2.4GDI -IMMO 39112-2GGK2	7001
LFA PE 19MY 2.4GDI +IMMO 39112-2GGK7	7002

SUBJECT:

ENGINE MONITORING LOGIC PRODUCT IMPROVEMENT (SERVICE CAMPAIGN 953)

LFA PE 19MY 2.0T-GDI -IMMO 39112-2GTE2	7003
LFA PE 19MY 2.0T-GDI +IMMO 39112-2GTE7	7004

#568 - 13-14MY Santa Fe Sport

UPDATE NAME	PASSWORD
AN 13MY 2.4GDI(2WD) -IMMO 39***/10-2GAG0 [2WD_BDC4ME3A/E5A/G0B/G0D/G1K]	6801
AN 13MY 2.4GDI(2WD) -IMMO 39***/10-2GAG0 [2WD_BDC4ME5B/E5C/E5D/F3A/G0A/G0C/G0E/G1M]	6802
AN 13MY 2.4GDI(4WD) -IMMO 39***-2GAG5 [4WD_BDC4ME3A/E5A/G0B/G0D/G1L]	6803
AN 13MY 2.4GDI(4WD) -IMMO 39***-2GAG5 [4WD_BDC4ME5B/E5C/E5D/F3A/G0A/G0C/G0E/G1N]	6804
AN 13MY 2.4GDI(2WD) +IMMO 39***/10-2GAE0 [2WD_BDC4RE3A/E5A/G0B/G0D/G1K]	6805
AN 13MY 2.4GDI(2WD) +IMMO 39***/10-2GAE0 [2WD_BDC4RE5B/E5C/E5D/F3A/G0A/G0C/G0E/G1M]	6806
AN 13MY 2.4GDI(4WD) +IMMO 39***-2GAE5 [4WD_BDC4RE3A/E5A/G0B/G0D/G1L]	6807
AN 13MY 2.4GDI(4WD) +IMMO 39***-2GAE5 [4WD_BDC4RE5B/E5C/E5D/F3A/G0A/G0C/G0E/G1N]	6808
AN 14MY 2.4GDI(2WD) -IMMO 39***/10-2GAG1 [2WD_BEC4MH2A/B/K]	6809
AN 14MY 2.4GDI(4WD) -IMMO 39***-2GAG6 [4WD_BEC4MH2A/B/L]	6810
AN 14MY 2.4GDI(2WD) +IMMO 39***/10-2GAE1 [2WD_BEC4RH2A/B/K]	6811
AN 14MY 2.4GDI(4WD) +IMMO 39***-2GAE6 [4WD_BEC4RH2A/B/L]	6812
AN 13MY 2.0T-GDI(2WD) -IMMO 39***-2GBD0 [2WD_BDC0ME3A/E3B/E5A/E5B/F2A/F3A/G0A/G01/G02/G1K]	6813
AN 13MY 2.0T-GDI(4WD) -IMMO 39***-2GBE0 [4WD_BDC0ME3A/E3B/E5A/E5B/F2A/F3A/G0A/G01/G02/G1L]	6814
AN 13MY 2.0T-GDI(2WD) +IMMO 39***-2GBB0 [2WD_BDC0RE3A/E3B/E5A/E5B/F2A/F3A/G0A/G01/G02/G1K]	6815
AN 13MY 2.0T-GDI(4WD) +IMMO 39***-2GBC0 [4WD_BDC0RE3A/E3B/E5A/E5B/F2A/F3A/G0A/G01/G02/G1L]	6816
AN 14MY 2.0T-GDI(2WD) -IMMO 39***-2GBD1 [2WD_BEC0MH2A/B/K]	6817
AN 14MY 2.0T-GDI(4WD) -IMMO 39***-2GBE1 [4WD_BEC0MH2A/B/L]	6818
AN 14MY 2.0T-GDI(2WD) +IMMO 39***-2GBB1 [2WD_BEC0RH2A/B/K]	6819
AN 14MY 2.0T-GDI(4WD) +IMMO 39***-2GBC1 [4WD_BEC0RH2A/B/L]	6820

#562 - 15MY Santa Fe Sport

UPDATE NAME	PASSWORD
AN 15MY 2.4GDI -IMMO 39***-2GAG2/7,39***-2GAG2 [ROM ID: BFC4MH5A/5B/6A]	6201
AN 15MY 2.4GDI +IMMO 39***-2GAE2/7,39***-2GAE2 [ROM ID: BFC4RH5A/5B/6A]	6202
AN 15MY 2.0T-GDI -IMMO 39***-2GBD2/E2 [ROM ID: BFC0MH5A/6A]	6203
AN 15MY 2.0T-GDI +IMMO 39***-2GBB2/C2 [ROM ID: BFC0RH5A/6A]	6204

#563 - 16MY Santa Fe Sport

UPDATE NAME	PASSWORD
AN 16MY 2.4GDI(2WD) -IMMO 39***/10-2GAG4 [2WD_BGC4MH5A/5B/6A]	6301
AN 16MY 2.4GDI(4WD) -IMMO 39***-2GAG9 [4WD_BGC4MH5A/5B/6B]	6302

SUBJECT:

ENGINE MONITORING LOGIC PRODUCT IMPROVEMENT (SERVICE CAMPAIGN 953)

AN 16MY 2.4GDI(2WD) +IMMO 39***/10-2GAE4 [2WD_BGC4RH5A/5B/6A]	6303
AN 16MY 2.4GDI(4WD) +IMMO 39***-2GAE9 [4WD_BGC4RH5A/5B/6B]	6304
AN 16MY 2.0T-GDI(2WD) -IMMO 39***-2GBD4 [2WD_BGC0MH5A/6A]	6305
AN 16MY 2.0T-GDI(4WD) -IMMO 39***-2GBE4 [4WD_BGC0MH5A/6B]	6306
AN 16MY 2.0T-GDI(2WD) +IMMO 39***-2GBB4 [2WD_BGC0RH5A/6A]	6307
AN 16MY 2.0T-GDI(4WD) +IMMO 39***-2GBC4 [4WD_BGC0RH5A/6B]	6308

#564 - 17-18MY Santa Fe Sport

UPDATE NAME	PASSWORD
AN PE 17MY 2.4GDI(2WD) -IMMO 39***-2GKR0 [2WD_DMAHNC4EMB2A/2B/2C/4A/4K/4M]	6401
AN PE 17MY 2.4GDI(4WD) -IMMO 39***-2GKR5 [4WD_DMAHNC4EMB2A/2B/2C/4A/4L/4N]	6402
AN PE 17MY 2.4GDI(2WD) +IMMO 39***-2GKP0 [2WD_DMAHNC4ERB2A/2B/2C/4A/4K/4M]	6403
AN PE 17MY 2.4GDI(4WD) +IMMO 39***-2GKP5 [4WD_DMAHNC4ERB2A/2B/2C/4A/4L/4N]	6404
AN PE 18MY 2.4GDI(2WD) -IMMO 39***-2GKR1 [2WD_DMAINC4EMB4A/C0A/B5A/B5B/B5K/B5M]	6405
AN PE 18MY 2.4GDI(4WD) -IMMO 39***-2GKR6 [4WD_DMAINC4EMB4A/C0A/B5A/B5B/B5L/B5N]	6406
AN PE 18MY 2.4GDI(2WD) +IMMO 39***-2GKP1 [2WD_DMAINC4ERB4A/C0A/B5A/B5B/B5K/B5M]	6407
AN PE 18MY 2.4GDI(4WD) +IMMO 39***-2GKP6 [4WD_DMAINC4ERB4A/C0A/B5A/B5B/B5L/B5N]	6408
AN PE 17MY 2.0T-GDI(2WD) -IMMO 39***-2GKT0 [2WD_DMAHNC0EMB2A/4A/4K/4M]	6409
AN PE 17MY 2.0T-GDI(4WD) -IMMO 39***-2GKT5 [4WD_DMAHNC0EMB2A/4A/4L/4N]	6410
AN PE 17MY 2.0T-GDI(2WD) +IMMO 39***-2GKS0 [2WD_DMAHNC0ERB2A/4A/4K/4M]	6411
AN PE 17MY 2.0T-GDI(4WD) +IMMO 39***-2GKS5 [4WD_DMAHNC0ERB2A/4A/4L/4N]	6412
AN PE 18MY 2.0T-GDI(2WD) -IMMO 39***-2GKT1 [2WD_DMAINC0EMB4A/5A/5B/5C/5K/5M]	6413
AN PE 18MY 2.0T-GDI(4WD) -IMMO 39***-2GKT6 [4WD_DMAINC0EMB4A/5A/5B/5C/5L/5N]	6414
AN PE 18MY 2.0T-GDI(2WD) +IMMO 39***-2GKS1 [2WD_DMAINC0ERB4A/5A/5B/5C/5K/5M]	6415
AN PE 18MY 2.0T-GDI(4WD) +IMMO 39***-2GKS6 [4WD_DMAINC0ERB4A/5A/5B/5C/5L/5N]	6416

#571 - 19MY Santa Fe

UPDATE NAME	PASSWORD
TMA 19MY 2.4GDI -IMMO 39173-2GTE0/F0	7101
TMA 19MY 2.4GDI -IMMO 39173-2GTG0/H0	7102
TMA 19MY 2.4GDI +IMMO 39171-2GTC0/D0	7103

SUBJECT:

ENGINE MONITORING LOGIC PRODUCT IMPROVEMENT (SERVICE CAMPAIGN 953)

TMA 19MY 2.4GDI +IMMO 39171-2GTC5/D5	7104
TMA 19MY 2.0T-GDI -IMMO 39163-2GTC0/D0	7109
TMA 19MY 2.0T-GDI +IMMO 39161-2GTC0/D0	7110

#565 - 14-15MY Tucson (LM) (ULEV)

UPDATE NAME	PASSWORD
LM 14MY 2.4GDI -IMMO 39***-2GBD0/5	6501
LM 14MY 2.4GDI +IMMO 39***-2GBB0/5	6502
LM 15MY 2.4GDI -IMMO 39***-2GBD1/2/6/7	6505
LM 15MY 2.4GDI +IMMO 39***-2GBB1/2/6/7	6506

#496 - 14-15MY Tucson (LM) (SULEV)

UPDATE NAME	PASSWORD
LM 2.4GDI -IMMO 39106-2GBE0/5	0626
LM 2.4GDI -IMMO 39106-2GBE6/7	0628
LM 2.4GDI +IMMO 39106-2GBC0/5	0630
LM 2.4GDI +IMMO 39106-2GBC6/7	0632

#566 - 18MY Tucson (TL)

UPDATE NAME	PASSWORD
TL 18MY 2.4GDI(2WD) -IMMO 39***-2GAA0	6601
TL 18MY 2.4GDI(4WD) -IMMO 39***-2GAB0	6602
TL 18MY 2.4GDI(2WD) +IMMO 39***-2GAA0	6603
TL 18MY 2.4GDI(4WD) +IMMO 39***-2GAB0	6604

#573 - 19MY Tucson (TL)

UPDATE NAME	PASSWORD
TL PE 19MY 2.4GDI -IMMO 39173-2GPA0/B0	7301
TL PE 19MY 2.4GDI -IMMO 39173-2GPC0	7302
TL PE 19MY 2.4GDI +IMMO 39171-2GPA0/B0	7303
TL PE 19MY 2.4GDI +IMMO 39171-2GPG0	7304

#572 - 19MY Veloster N (JSN)

UPDATE NAME	PASSWORD
JSN 19MY 2.0T-GDI +IMMO 39165-2GSG0	7201
JSN 19MY 2.0T-GDI +IMMO 39165-2GSJ0	7202

Cluster Update

Note: Cluster update only applies to 15MY Sonata (LF) and 15MY Santa Fe Sport (AN).

Model	UPDATE NAME	PASSWORD
15MY Sonata (LF)	LFA STD CLUSTER(BASE) 94001-C2000 (ROM ID : 94001-C2000_A03)	2000
	LFA STD CLUSTER(BASE) 94001-C2000 (ROM ID : 94001-C2000_110)	2001
	LFA STD CLUSTER(SPORTS PACK) 94021-C2000 (ROM ID : 94021-C2000_A02)	2002

	LFA STD CLUSTER(SPORTS PACK) 94021-C2000 (ROM ID : 94021-C2000_100)	2003
	LFA SV CLUSTER(BASE) 94011-C2000	2004
	LFA SV CLUSTER(SPORTS PACK) 94031-C2000	2005
15MY Santa Fe Sport (AN)	AN STD CLUSTER 94001/2-4Z300/10/20	4320
	AN SV CLUSTER 94011/2-4Z300/10/20(ROM ID : 201)	4321
	AN SV CLUSTER 94011/2-4Z300/10/20(ROM ID : 202)	4322
	AN SV CLUSTER 94011/2-4Z300/10/20(ROM ID : 203)	4323