

Service Campaign 953 Dealer Best Practice



Date: January 10, 2019

Attn: Dealer Principal/General Manager/Service Manager/Parts Manager

Subject: Service Campaign 953: ECM & Cluster Update (TSB #19-01-002 supersedes TSB#18-01-027-2) – UPDATED v7

<u>Updates To This Document</u>	<u>Date</u>
<ul style="list-style-type: none"> 16-18MY Sonata, 16-18MY Santa Fe Sport, 14-15MY and 18MY Tucson vehicles added to Service Campaign 953. Updated TSB#19-01-002 supersedes TSB#18-01-027-2. 	01/10/19
<ul style="list-style-type: none"> 2011-2014 Sonata and 2013-2014 Santa Fe Sport only: In the event DTC code P132600 is set <u>after</u> Service Campaign 953 is performed: Down vehicle and provide SRC. 	12/17/18
<ul style="list-style-type: none"> Update: 2015 Santa Fe Sport vehicles repair process outlined for each model and model year in the event DTC code P132600 is set <u>after</u> Service Campaign 953 is performed 	12/12/18
<ul style="list-style-type: none"> 2011-2014 Sonata and 2013- 2014 Santa Fe Sport vehicles added to Service Campaign 953. Repair process outlined for each model and model year in the event DTC code P132600 is set <u>after</u> Service Campaign 953 is performed 	12/07/18
<ul style="list-style-type: none"> 2015 Santa Fe Sport vehicles added to Service Campaign 953. 	11/08/18
<ul style="list-style-type: none"> 2015 Sonata only: In the event DTC code P132600 is set <u>after</u> Service Campaign 953 is performed, refer to TSB #18-01-032 (campaign T3G) for the service procedure and Special Service Tools information. 	10/17/18
<ul style="list-style-type: none"> 2015 Sonata only: Initial communication to dealers. 	08/09/18

Affected Vehicles

Hyundai has launched a Product Improvement Campaign to perform a knock sensor software update on the subject vehicles.

The affected vehicles include:

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

Hyundai is initiating this action to ensure the safety and quality of its vehicles and the continued satisfaction of Hyundai customers.

Description

The software update installs a newly developed Knock Sensor Detection System (KSDS) that detects vibrations indicating the onset of excessive connecting rod bearing wear in the engine. The KSDS is designed to alert a vehicle driver at an early stage of bearing wear before the occurrence of engine damage. If vibrations caused by bearing wear start to occur, the Malfunction Indicator Lamp (MIL) will blink continuously, an audible chime will sound, and the vehicle will be placed in Limp Home Mode. At that time, Diagnostic Trouble Code (DTC) P132600, specific to the KSDS, will be recorded in the ECM. The vehicle can continue to be operated for a limited time in Limp Home Mode, but it will accelerate slowly and have a reduced maximum speed with RPMs limited to approximately 1800-2000 RPM.

The update will be done free of charge to customers and will only involve the addition of the KSDS software update.

Service Campaign 953 Dealer Best Practice



Service Action

- **Reservation and Reception** - Check the Vehicle Information screen in WebDCS for open recalls and service campaigns whenever a vehicle is in your dealership or if a customer calls in to schedule an appointment.
- **Readiness** - This campaign can be completed quickly. Please ensure that the appropriate technicians have reviewed the TSB, have their workspaces or designated areas ready and **GDSs are accessible and updated**. If no other work is being performed, this campaign does not require a hoist. Dealers should consider a workspace that offers the technicians the appropriate vehicle and wi-fi access that also ensures high frequency completion rates.
- **Readiness** - This document (Dealer Best Practice) has been posted in Campaign Central within hyundaidealer.com.
 - **Repair** - TSB #19-01-002 (supersedes TSB#18-01-027-2) provides vehicle service procedures, affected VIN production range, and warranty claim information.

--Perform any open Recalls prior to performing Service Campaign 953--

- **Return – Comeback:**

2015 Sonata and 2015 Santa Fe Sport

- In the event DTC code P132600 is set **after the campaign software update is performed**, refer to TSB# 18-01-032 (campaign T3G) to inspect the vehicle and install a wire harness extension or replacement engine based on the inspection results.
- Please note: The DTC code may not set until vehicle is test driven through a normal drive cycle.
- Campaign T3G will not show as an open campaign in WebDCS and is for warranty claim submission purposes.
- If the customer needs an engine replacement, be prepared to place them into a **Service Rental Car (SRC)**.

2011-14 and 2016-18 Sonata, 2013-14 and 2016-18 Santa Fe Sport, and 2014-15 and 2018 Tucson

- In the event DTC code P132600 is set **after the campaign software update is performed**, down the customer's vehicle.
- Please note: The DTC code may not set until vehicle is test driven through a normal drive cycle.
- If the customer needs alternate transportation, be prepared to place them into a **Service Rental Car (SRC)**.

Parts

- This campaign is related to software update only. In the event a part will be needed, please proceed to ordering OE parts as outlined in any corresponding TSB's or typical service repair.

Customer Notification

Hyundai will notify all owners of the vehicles described above and strongly encourage them to return their vehicles to their Hyundai dealers for the service procedure as soon as possible. The owner notification schedule is as follows:

- 2015 Sonatas: November, 2018.
- 2015 Santa Fe Sport: December 2018
- 2011-2014 Sonata: Beginning late-December through early 2019
- Remaining vehicles: Early 2019

Thank you for your prompt attention to this important matter and continued commitment to Hyundai customers.

Hyundai Motor America

Customer FAQ

Q1: Why is Hyundai conducting this Product Improvement Campaign?

A1: Hyundai is conducting this Product Improvement Campaign to ensure the satisfaction of its customers.

Q2: What vehicles are covered by this Product Improvement Campaign?

A2: This Product Improvement Campaign covers 2011-2018 model year Sonata and 2013-2018 Santa Fe Sport vehicles equipped with 2.4L GDI and 2.0L Turbo GDI engines and 2014-15 and 2018 model year Tucson vehicles with 2.4L engines.

Q3: What will be done during the Product Improvement Campaign at the dealer?

A3: The knock sensor detection system being installed is able to alert customers at an early stage of bearing wear before the occurrence of engine damage. This will allow customers to get their vehicle to a Hyundai dealer for repair.

Q4: What will happen if the knock sensor detects bearing wear?

A4: If excessive bearing wear is detected after the knock sensor detection system software update has been completed, the following will occur:

1. **The Malfunction Indicator Lamp (MIL) will blink continuously**, an audible chime will sound and the vehicle will be placed in a reduced power and acceleration mode [referred to as "Limp Home Mode"].



Malfunction Indicator Lamp (MIL)

2. **The vehicle can continue to be operated for a limited time in Limp Home Mode to permit the customer to drive the vehicle to a safe location, but it will accelerate slowly and have a reduced maximum speed.** Engine RPMs will be limited to approximately 1800-2000 RPM. This means the maximum vehicle speed will be limited to approximately 65 mph or less depending on vehicle loading and road conditions.
3. Should the above occur in your vehicle (blinking MIL and Limp Home Mode), contact your dealer immediately to have your vehicle inspected.

Q5: How long will it take for the software update?

A5: It is always suggested that customers contact their local Hyundai dealer to schedule a service appointment. The dealer can advise on the time needed for the repair.

Q6: Will other Hyundai vehicles get this update?

A6: Hyundai is currently evaluating the deployment of the knock sensor detection system in additional vehicles and model years.

Q7: If the knock sensor is activated and bearing wear is identified, what is the repair that will take place?

A7: Hyundai dealers will inspect, and if necessary, replace the engine.

Q8: When will owners be notified?

A8: Hyundai notified customers of 2015 Sonata customers early November, 2018 and 2015 Santa Fe Sport vehicles in December, 2018. Customers of 2011-14 Sonatas began late December, 2018 and will continue early into 2019. The remaining vehicles will be notified early 2019. Ongoing notifications for other model years are being finalized. If a customer wishes to have the dealer inspect their vehicle before receiving the Product Improvement Campaign notification, they can contact their Hyundai dealer to schedule an appointment.

Service Campaign 953 Dealer Best Practice



Q9: My vehicle is affected by this Product Improvement Campaign. When should I have the campaign procedure completed on my vehicle?

A9: Hyundai strongly encourages customers to return their vehicles to their Hyundai dealers for the service procedure as soon as possible.

Q10: What if I have already paid for engine repairs?

A10: Hyundai has a Reimbursement Program in place if you previously had any repairs or expenses related to this Product Improvement Campaign. Submit a request for reimbursement online at www.HyundaiUSA.com/campaignhome.

Service Campaign 953 Dealer Best Practice



Key Contact Information		
Dealer Support	Contact Information	Description
Parts	HyundaiPartsHotline@MobisUSA.com 1-800-545-4515	Parts ordering hotline
Techline	1-800-325-6604	Vehicle Technical Support for Hyundai Dealer Technicians
Warranty HELPREP Line	1-877-446-2922	Warranty Claim questions for Hyundai Dealers
Warranty Prior Approval (PA) Center	1-844-371-3808	Warranty Prior Approval (PA) Center for Hyundai Dealers
Xtime Technical Support	Support@xtime.com 1-866-984-6355	Assistance with Car Care Scheduling: <ul style="list-style-type: none"> • Appointment / Shop Capacity Management / Campaign Integration / Operation Codes
Customer Support	Contact Information	Description
Hyundai Customer Care Center (Recall/Campaign Questions)	1-855-671-3059	Customer questions or concerns related to <u>recall or service campaigns</u>
Hyundai Recall /Campaign Website	www.hyundaiusa.com/campaignhome	Updated information related to the specific recall or service campaign
Hyundai Customer Care Center (General Questions)	1-800-633-5151	Customers general questions, <u>non-campaign related</u>
Hyundai Roadside Assistance	1-800-243-7766	Hyundai Roadside Assistance

Key Reference Information	
Name	Source
Campaign Central	Consolidated repository of recall and service campaign dealer best practices. Located on the service tab homepage in www.HyundaiDealer.com
Car Care Scheduling (Xtime) - Tutorials	www.HyundaiDealer.com > Service > Dealer Resources > Documents Library > Car Care Scheduling
Car Care Scheduling (Xtime) - Recall Appointment Notification	<ol style="list-style-type: none"> 1. Log into Xtime 2. Under the menu at the top left, select 'CONFIGURE' 3. Under the dealership tab, click "EMAIL COMMUNICATION" 4. Slide the toggle to "ADVANCED" 5. Populate as many e-mails as desired in the "PARTS DESK EMAIL FIELD"
Parts – Campaign Parts Management (CPM) Procedure	As applicable; www.HyundaiDealer.com > Parts > Documents Library > Campaign Parts Management
Service Rental Car (SRC) Program	www.HyundaiDealer.com > Service tab
Technical Service Bulletin (TSB)	www.HyundaiDealer.com > Service tab > Hyundai Tech Info
Uncompleted Campaign VIN Listing	A listing of vehicles is located on WEBDCS> SERVICE tab> select UNCOMPLETED CAMPAIGN VIN LISTING
Recall / Service Campaign Website	www.hyundaiusa.com/campaignhome