



Engine Support



CA503 : VEHICLE SERVICES | Wednesday, May 25, 2022

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

The affected vehicles include:

- 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

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

Description

Hyundai has developed a new engine monitoring technology called a Knock Sensor Detection System (KSDS). The technology uses software innovations and leverages existing engine sensors to continuously monitor for symptoms that may precede an engine failure. Watch this [video](#) to learn more.

The KSDS software continuously monitors engine vibrations for unusual patterns that develop as an engine connecting rod bearing wears abnormally that could later cause engine seizure. If vibrations caused by bearing wear start to occur, the malfunction indicator lamp will blink continuously, an audible chime will sound and the vehicle will be placed in a temporary engine protection mode with reduced power and acceleration. At that time, Diagnostic Trouble Code (DTC) P1326 will be recorded in the ECM.

In addition, Hyundai will extend the warranty to 10 years and 120,000 miles (up from 100,000 miles) for original and subsequent owners of the covered vehicles for engine repairs needed because of excessive connecting rod bearing damage.

Please review the updated Dealer Best Practices ([attached here and on Campaign Central](#)) and the updated TSB on HTI.

 [Campaign 953 ECM Software Update Dealer Best Practice_v14 021320_FINAL.pdf](#)