

2011-2018 MY OPTIMA, SORENTO & SPORTAGE ECU UPGRADE (KNOCK SENSOR DETECTION SYSTEM SOFTWARE) PRODUCT IMPROVEMENT CAMPAIGN

Date: January 11, 2019

Affected Model(s): All 2011-2018 MY Optima vehicles equipped with 2.4L GDI and 2.0L T-GDI engines; all 2012-2018 MY Sorento vehicles equipped with 2.4L Gasoline Direct Injection (GDI) and 2.0L Turbocharged GDI (T-GDI) engines; all 2011-2018 MY Sportage vehicles equipped with 2.4L GDI and 2.0L T-GDI engines.

Vehicle Universe: 1,677,640 — Optima: 939,655; Sorento: 425,662; Sportage: 312,323

Component(s): Engine Control Unit

Summary: Kia Motors America (KMA) is voluntarily conducting a Product Improvement Campaign to perform a software update to the Engine Control Unit (ECU) to protect the engine from bearing damage. The Knock Sensor Detection System represents a state-of-the-art advancement in the early detection of engine failure. Kia developed Knock Sensor Detection System (KSDS) software that detects vibrations indicating the onset of excessive connecting rod bearing wear. The KSDS is designed to alert the driver at an early stage of bearing wear before the occurrence of severe engine damage. If vibrations caused by bearing wear start to occur, the Malfunction Indicator Lamp (MIL) will blink continuously and the vehicle will be placed in Limp Home Mode. This will help to reduce further damage to the engine and ensure the vehicle occupants are not exposed to the risk of a more severe engine failure. At that time, a diagnostic trouble code (P1326 – Knock Plausibility) specific to the KSDS will be recorded in the ECU. The vehicle can continue to be operated for a limited time in the Limp Home Mode, but it will accelerate slowly and have reduced maximum speed. Also, engine speed will be reduced to approximately 1,800-2,000 RPM.

Kia is providing lifetime engine warranty coverage- for this issue only- to both new and used vehicle owners for engine long block assembly repairs needed due to resulting bearing damage.

KMA Action: KMA began contacting customers via mail in July, 2018 and to-date approximately 20 percent of the vehicle population has received this update. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed April 10, 2018. Customers with questions may contact KMA consumer assistance at 1-800-333-4542 or their Kia dealer.

2011-2014 MY OPTIMA, 2012-2014 MY SORENTO & 2011-2013 MY SPORTAGE HIGH PRESSURE FUEL PUMP OUTLET INSPECTION RECALL

Date: January 11, 2019

Model(s): All 2011-2014 MY Optima vehicles produced from August 12, 2010 to May 15, 2014 that received an engine replacement under Recall No. 17v224; all 2012-2014 MY Sorento produced from April 19, 2011 to February 10, 2014 that received an engine replacement under Recall No. 17v224; and all 2011-2013 MY Sportage vehicles produced from December 30, 2010 to August 30, 2013 that received an engine replacement under Recall No. 17v224.

Number Potentially Involved: Optima vehicles: 50,051; Sorento: 17,024; Sportage: 1,052

Component(s): High Pressure Fuel Pipe Connections to Fuel Pump Outlet

Summary: Kia Motors America (KMA) is voluntarily conducting a recall campaign to perform inspections of vehicles that had their engine replaced under 17v224 to confirm the high pressure fuel pipe was properly installed to the fuel pump outlet by Kia dealers. The recall population was determined by a review of vehicle production and warranty records. Customers seeking information about their specific vehicle will be referred to Kia's customer Assistance Center or their Kia dealer.

The remedy for the previous recall 17v224 may not have been properly performed in all cases by the Kia dealers. In some cases, the high pressure fuel pipe may have been damaged, misaligned or improperly torqued during the engine replacement procedure, allowing fuel to leak increasing the risk of fire. KMA is not aware of any accidents or injuries as a result of this issue.

KMA Action: All owners of the subject vehicles will be notified via first-class mail with instructions to bring their vehicle to the nearest Kia dealership. Dealers will be instructed to inspect the connections of the high pressure fuel pipe to the fuel pump outlet. If leaking fuel is detected, the fuel pipe will be replaced and properly installed with a new one. Detailed installation instructions supported by a video will be provided to the dealer to ensure proper sequencing and torqueing. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed April 10, 2018. Customers with questions may contact KMA consumer assistance at 1-800-333-4542 or their Kia dealer.