



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: DP 21-003
Prompted by: VOQ requesting a Defect Petition
Date Opened: 11/12/2021
Investigator: Jianqing Xue **Reviewer:** Scott Yon
Approver: Stephen Ridella
Subject: Throttle control system vulnerabilities

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Kia Motors America, Hyundai Motor America
Products: Various Model/Model Year Hyundai and Kia Vehicles
Population: 6,000,000 (Estimated)
Problem Description: Petitioners alleged throttle control system defects produce sudden uncommanded acceleration (SUA), runaway throttle conditions, surging, stalling and loss of motive power.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	1	TBD	TBD
Crashes/Fires:	0	TBD	TBD
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD

ACTION / SUMMARY INFORMATION

Action: Open the Defect Petition for a grant or deny decision

Summary:

The Office of Defects Investigation of the National Highway Traffic Safety Administration received a petition letter dated October 10, 2021 requesting an investigation of an alleged defect(s) in the electronic throttle control system in certain Model Year (MY) 2005-2016 Kia Optima/K5, MY 2006-2015 Kia Sorento, MY 2007-2016 Hyundai Elantra, MY 2007-2016 Hyundai Santa Fe, MY 2006-2015 Hyundai Sonata vehicles. The petition was filed as a Vehicle Owner Questionnaire that can be reviewed at NHTSA.gov under reference (ODI) number 11439675.

The petitioners allege the subject vehicles exhibit a range of dangerous vehicle speed control problems including sudden uncommanded acceleration, runaway throttle conditions, surging, stalling and loss of motive power, all due to various defects and vulnerabilities in the electronic throttle control system.

This defect petition has been opened to evaluate the allegation and determine whether to grant or deny the petitioners' request.