

RECALL 252 ATTACHMENT A

CHRONOLOGY OF EVENTS LEADING UP TO DEFECT DECISION

❖ **November 2023**

On November 21, 2023, HMA's NASO was notified by the Insurance Institute for Highway Safety ("IIHS") of an engine compartment fire that occurred on a model year 2024 Hyundai Kona 1.6T-GDI AWD test vehicle during a 40% frontal overlap evaluation performed at approximately 40 mph. According to the IIHS, smoke and flames were observed from the vehicle's engine compartment approximately two (2) minutes following the crash test. IIHS performed a preliminary evaluation and found the ECM housing shorted to power and rising in temperature, reigniting flames two (2) additional instances after the initial fire. IIHS claimed that the thermal activity ceased shortly after disconnecting the 12-volt auxiliary battery. Based on this information, NASO opened a new investigation for the subject condition on November 27, 2023.

On November 29, 2023, NASO, along with members from HMC, HATCI, and IIHS, performed a joint inspection and tear-down of the test vehicle. During the inspection, the alternator and 12-volt positive (B+) power wiring located underneath the ECM was found damaged due to heat with the copper cores exposed. Additionally, the ECM bracket was found pushed directly into the 12-volt positive (B+) battery cable. Hyundai concluded that the ECM bracket shifted during the crash, contacting the 12-volt positive wiring, and causing an electrical short leading to the post-crash fires observed by IIHS. Hyundai continued investigating the condition observed during the inspection.

❖ **December 2023**

On December 8, 2023, NASO and IIHS performed a follow-up joint inspection of the subject test vehicle at IIHS facilities.

On December 14, 2023, HMC performed crash testing using new sheathing aimed at safeguarding the 12-volt positive wiring from electrical shorting caused by the ECM bracket. The crash test was performed successfully and confirmed no damage to the 12-volt positive wiring and no evidence of electrical shorting or thermal activity.

Based on HMC's findings, HMA's NASO convened its North America Safety Decision Authority on December 18, 2023, and decided to conduct a safety recall of affected Hyundai Kona vehicles in the U.S. market.

- ❖ **There are no crashes, injuries, or fatalities attributable to this condition in both the U.S. and Canada. Hyundai has confirmed one (1) fire occurring in the IIHS test vehicle. There are no known fire events occurring on retailed vehicles in the field due to this condition.**