

RECALL 013G ATTACHMENT A

CHRONOLOGY OF EVENTS LEADING UP TO DEFECT DECISION

October 2022

- ❖ On October 7, 2022, Hyundai received the agency's Information Request letter pertaining to RQ22-003, an investigation into allegations of abnormal seat belt pretensioner deployments in vehicles associated with Recalls 21V-796, 22V-069, 22V-123, 22V-218, 22V-354, and 22V-458*.
- ❖ On October 24, 2022, NASO convened its North American Safety Decision Authority ("NASDA") and initiated Recall 22V-816.

November - December 2022

- ❖ In November 2022, the airbag control unit ("ACU") from the September 2021, North Carolina incident referenced in earlier chronologies* was recovered for analysis of the crash pulse parameters by HMC and the supplier, Samsung.
- ❖ On December 7, 2022, Hyundai submitted its response to the agency's inquiry regarding RQ22-003. Hyundai cited in its response that it was continuing to evaluate vehicles equipped with Samsung pretensioners that had not yet been recalled despite not having received any domestic or foreign reports of the alleged defect involving these vehicles.

January – February 2023

- ❖ On January 17, 2023, HMC informed NASO of its findings from continued analysis of the ACU crash pulse data recovered from the North Carolina incident. HMC confirmed that the MGG separated despite a lower pretensioner "time-to-fire" when compared to the other known incidents.
- ❖ On January 26 and February 2, 2023, HMC provided updates regarding its investigation to NASO. HMC confirmed replication of MGG separation during recent sled testing using RS4 (G90) SRS components. The test results prompted a reevaluation of leading factors, such as vehicle-specific "time-to-fire," previously thought to be potential contributors to over-pressurization of the pretensioner pipe.
- ❖ On February 9, 2023, NASO convened its NASDA. Although no concern was observed in North American markets, based on the recent findings by HMC, and in an abundance of caution, NASO decided to conduct a safety recall (012G) of Genesis G80, GV60, GV70, and GV80 vehicles equipped with pretensioners without a vent valve. Recall 012G supersedes Recall 009G, obsoleting all affected population(s) of Recall 211/009G (21V-796).
- ❖ Hyundai is not aware of any abnormal pretensioner deployment incidents in the global market involving the subject vehicles, including fatalities, injuries, crashes, and fires.

March 2023

- ❖ On March 1, 2023, NASO met with ODI to review details surrounding Hyundai's assessment of the open RQ investigation and recent associated recalls. During the review, Hyundai noted that the recent recalls address all U.S. vehicles equipped with the subject Samsung seat belt pretensioner excluding Genesis G90 vehicles, which contain seat belt pretensioners that face outward and away

*For supporting chronological events preceding October 2022, please refer to Hyundai's Part 573 defect information report concerning Recalls 231 and 238.

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from occupants instead of inward and toward occupants in the recalled vehicles. Based on recent testing performed by HMC, replication of MGG separation in G90 vehicles did not result in the MGG fragments entering the cabin area due to the outboard orientation of the pretensioner, thus concluding that Genesis G90 vehicles are at significantly lower risk due to the unique orientation of the equipped seat belt pretensioners.

- ❖ During subsequent discussions with the agency, ODI provided feedback on its assessment of Hyundai's investigation and recall scope.
- ❖ Based on the feedback received from the agency, on March 21, 2023, NASO convened its NASDA. Although no concern was observed in North American markets and recent testing by HMC confirmed lower risk of injury due to the unique orientation of the pretensioners, in an abundance of caution, NASO decided to conduct a safety recall (013G) of Genesis G90 vehicles equipped with pretensioners without a vent valve.