

**Chronology of Defect / Noncompliance Determination****573.6 (c) (6) (7)**

Describe the chronology of events leading up to the defect decision or test data for the noncompliance decision:  
(2000)

On July 26, 2021, Isuzu Motors Limited (IML) began production in Japan of interim 2022MY N-Series Diesel vehicles, which, unlike the earlier 2022 MY vehicles (produced between January 2021 to July 2021), were equipped with ESC as standard equipment, and optionally equipped with new ADAS technology. ESC is standard equipment on all subject vehicles and later model year N-Series Diesel vehicles. [ESC – Electronic Stability Control; ABS – Antilock Braking System; ADAS – Advanced Driver Assistance Systems]

In September 2021, the interim 2022 MY trucks equipped with ESC and in some cases the new ADAS technology began to ship to dealers, body builders and, in rare instances, customers from US ports.

On August 23, 2022, Isuzu Commercial Truck of America, Inc. (ICTA) received a question from an independent upfitter who was engaging in a frame modification (wheelbase extension) about whether the ADAS camera needed to be recalibrated.

Between August 23 and September 6, 2022, various engineering and product planning groups within Isuzu began looking into the issue – in connection with the Isuzu factory option to have the frames of the subject vehicles extended from a wheelbase of 176 inches to 200 or 212 inches whether those extended vehicles needed to have the ADAS recalibrated.

On September 6, 2022, Isuzu North America Corporation (INAC) QA and IML launched an investigation. This investigation involved an initial detailed study and then in-depth vehicle testing, which confirmed in late December that the ADAS and ESC systems in the subject vehicles whose frames were extended from wheelbase 176 inches to 200 or 212 inches could be affected by a lack of recalibration.

In the first week of January 2023, INAC received confirmation from IML that a recalibration is required for both the ADAS camera and the ABS module as it affects ESC for all interim 2022MY and 2023MY N-Series Diesel trucks receiving the wheelbase extension from 176 inches to 200 or 212 inches. The potential effect on ESC-equipped and ADAS-equipped vehicles receiving a wheelbase modification from and to a different length (which would be from an independent upfitter, not part of Isuzu’s program) is still under investigation.

On January 10, 2023, based on the above results, INAC QA travelled to both frame modification facilities that carry out the “factory option” frame extensions on behalf of Isuzu and trained the staff so all modified trucks produced after 1/10/2023 have the ADAS and ESC systems properly calibrated.

On January 13, 2023, Isuzu made a determination to conduct a safety recall to address this issue in the affected vehicles in the field.

Isuzu has received no warranty claims related to this issue and is not aware of any crashes or injuries associated with this issue.