

Part 573 Safety Recall Report

24V-248

Manufacturer Name : Aston Martin The Americas**Submission Date :** APR 03, 2024**NHTSA Recall No. :** 24V-248**Manufacturer Recall No. :** RA-51-1928**Manufacturer Information :**

Manufacturer Name : Aston Martin The Americas

Address : Banbury Road
Gaydon Warwick, United Kingdom O0
CV35 ODB

Company phone : 999

Population :

Number of potentially involved : 10

Estimated percentage with defect : 12 %

Vehicle Information :

Vehicle 1 : 2021-2021 Aston Martin DBX

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Due to a temporary parts shortage between 23 October 2020 and 17 November 2020, up to eleven DBX vehicles intended for sale in the USA were manufactured outside the normal production process. Seven other vehicles were made for other markets in the same period. The build logs for eleven of the US vehicles do not record the tools or torques applied to the front drive unit bolts. Without these records, it cannot be confirmed that proper torque was applied. One of these eleven US vehicles has since been rectified in the field.

Production Dates : OCT 23, 2020 - NOV 17, 2020

VIN Range 1 : Begin : SCFVUJAW6MTV01080 End : SCFVUJAW4MTV01093 Not sequential**Description of Defect :**

Description of the Defect : Aston Martin have found that the fixings for the front prop shaft and the front differential on 10 vehicles manufactured for sale in the USA do not have a record of being torqued to specification. Aston Martin would like to inspect the affected vehicles and confirm the fixings have been torqued correctly, and if not, to torque to the correct value.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loose bolts would likely cause noise and vibration and could result in a potential loss of front wheel drive. Improper fastening of the front prop shaft could result in the crank position sensor becoming unplugged and the engine stalling.

In one case, the crank position sensor was damaged which will cause the

engine to be unable to restart.

Aston Martin has not received any report of an accident or injury caused by this defect.

Description of the Cause : For the affected vehicles there was a shortage of parts available (Front drive unit/differential) on the production line. These vehicles were then moved to rework bays where the affected parts were fitted later. The build logs for these vehicles do not record the tools or torques applied to the front drive unit bolts. Without these records, it cannot be confirmed that proper torque was applied.

Identification of Any Warning that can Occur : There will be noise and vibration and a potential loss of front wheel drive.

Involved Components :

Component Name 1 : BOLT M12X1.5X100 HEX FLANGE

Component Description : BOLT M12X1.5X100 HEX FLANGE

Component Part Number : MY83-E601424-AA

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

573.6 (c) (6) - Chronology of Events Determining the Non-Compliance

1. 26th February 2024 – A fault was discovered on a customer vehicle following a roadside recovery in Switzerland. The bolts for the front prop shaft had become loose, and the loose prop shaft had caused the crank position sensor to become unplugged.
2. This prompted an investigation.
3. The investigation identified a similar occurrence on 4th July 2022.
4. The Company's Technical Review Group (TRG) met on 5th March 2024 to investigate the concern.
5. The Company's Critical Concerns Review Group (CCRG) met on 12th March 2024 to assess the concern and recommended the matter should be reviewed by the Recall Committee.
6. The Recall Committee convened on 03/04/2024 and determined that:
 - a) a potential defect could occur in the relevant vehicle population;

- b) this defect could lead to a potential safety risk; and
- c) a voluntary safety recall of all affected vehicles should be implemented.

Description of Remedy :

Description of Remedy Program : Aston Martin will inspect the affected vehicles and confirm the fasteners have been torqued correctly, and if not, to torque to the correct value. Owners will be notified to take their vehicle to an Aston Martin Dealer. The repair procedure will take under 1 hour to complete, at no cost to the owner.

How Remedy Component Differs from Recalled Component : No new components will be required.

Identify How/When Recall Condition was Corrected in Production : Process for parts shortages and recorded torque applications outside of lineside fitment have since been updated (April 2023) to prevent future occurrences.

Recall Schedule :

Description of Recall Schedule : It is Aston Martin's intention to notify all customers listed in table in 573.6(c) (2) above. Aston Martin will provide copies of the notification schedule, including mail dates for the owner letter, when available.

Planned Dealer Notification Date : APR 05, 2024 - APR 05, 2024

Planned Owner Notification Date : APR 22, 2024 - APR 22, 2025

* NR - Not Reported