



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V532

Manufacturer Name: Aston Martin The Americas

Submission Date: Aug 20, 2025

NHTSA Recall No.: 25V532

Manufacturer Recall No.: RA-06-2074

Manufacturer Information

Population

Manufacturer Name: Aston Martin The Americas

Address: Banbury Road
Gaydon
Warwick, United Kingdom
FS, CV35 0DB

Total number of potentially involved: 178

Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2025-2025 Aston Martin Vanquish

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Aug 14, 2024 - Jun 26, 2025

Number of potentially involved: 178

Descriptive Information:

Between 29 November 2024 and 26 February 2025, Aston Martin manufactured 178 Vanquish 25MY vehicles intended for sale in the USA that need an ESP software update. Between 14 August 2024 and 26 June 2025, Aston Martin manufactured a further 419 Vanquish 25MY vehicles for sale in other countries that need the same software update. All 25MY Vanquish require the software update.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Under specific conditions, the vacuum pump may not generate vacuum. This can reduce brake assistance and cause the brake pedal to feel very hard. Reduced pedal travel may result in increased stopping distances. When the brakes engage, the pedal may pulse – this is the ABS providing pressure to compensate for reduced vacuum and is normal operation by design.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

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On affected vehicles, loss of power braking assist and reduced braking performance can increase the risk of a crash.

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

Description of the cause:

The Diagnostic Trouble Code (DTC) P050FFF will stop the vacuum pump from generating vacuum to the brake booster. This DTC may be flagged on the first drive after ignition start but does not occur during normal driving.

For the DTC to be triggered both:

- (i) The vacuum for the brake system must be less than <-200 mbar of vacuum and
- (ii) Either a wheel speed must be above 1.2 km/h or engine speed of at least 400 rpm.

Both conditions (i) and (ii) must be present for more than 5 seconds.

Identification of any warning that can occur:

If sufficient vacuum has not been created by the vacuum pump, a warning message may show on the instrument panel along with a brake warning symbol. The brake pedal will also feel harder compared to normal operation. A DTC of P050FFF may also be recorded in the ESP module.

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Aston Martin Lagonda

Address: Banbury Rd
Gaydon Foreign States, CV35)DB

Country: United Kingdom

Involved Components

Component Name 1: Software - ESP Module

Component Description: Software - ESP Module

Component Part Number: Software

Chronology

1. 9th May 2025 – Initial concern raised on J60317 (Netherlands vehicle). In response, an investigation was started.
2. On the 13th of May 2025 and 25th of June 2025, 2 additional Vanquish vehicles were reported to have exhibited the same brake scenario.

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3. The investigation showed a common DTC (P050FFF) in the three vehicles. This DTC deactivates the vacuum pump so that vacuum is generated to the brake booster.
4. The Company's Technical Review Group (TRG) met regularly throughout the investigation.
5. The Company's Critical Concerns Review Group (CCRG) met on 24th July 2025 to assess the nature and scope of potential concerns related to lack of brake vacuum.
6. The CCRG reviewed the technical data and recommended the matter should be reviewed by the Recall Committee.
7. The Recall Committee convened on 13th August 2025 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 be implemented.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Software

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Aston Martin will update the ESP software for all affected vehicles.

How remedy component differs from recalled component:

The updated ESP calibration used for 26MY Vanquish removes DTC P050FFF. This DTC was not needed as it had been carried over by the supplier from an external OEM application. With the DTC removed, the vehicle will not incorrectly disable the vacuum pump at start-up.

Identify how/when recall condition was corrected in production:

Updated software introduced in production for 26MY vehicles on 10th July 2025.

Reimbursement Plan

Description of reimbursement program:

Owners will be notified to take their vehicle to an Aston Martin Dealer. The repair procedure will take up to 3 hours to complete as additional software updates may be necessary. This will be completed at no cost to the owner.

Period of reimbursement:

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No time limit

Costs to be reimbursed:
All costs

Address for reimbursement claims:
11 W42nd St
Floor 22
New York NY, 10036

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: Aug 20, 2025 - Dec 31, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: ☐ No Owners

Planned Remedy Owner Notification Date: Sep 08, 2025 - Dec 31, 2025 ☐ Phased Recall

Date when VIN will be searchable: Aug 25, 2025