

Part 573 Safety Recall Report

17V-389

Manufacturer Name : Aston Martin Lagonda of North America

Submission Date : JUN 21, 2017

NHTSA Recall No. : 17V-389

Manufacturer Recall No. : RA-07-0022



Manufacturer Information :

Population :

Manufacturer Name : Aston Martin Lagonda of North America
 Address : Banbury Road
 Gaydon Warwick, United Kingdom O0 CV35 0DB
 Company phone : 999

Number of potentially involved : 315
 Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2011-2012 Aston Martin V8 Vantage
 Vehicle Type : LOW VOLUME VEHICLES
 Body Style : 2-DOOR
 Power Train : GAS
 Descriptive Information : 2 Door Sports Cars - 7 Speed SportShift 11 ASM transmission
 Production Dates : NOV 25, 2010 - AUG 16, 2012
 VIN Range 1 : Begin : SCFEKBDL8BGC14894 End : SCFEKBBK5CGD17055 Not sequential

Description of Defect :

Description of the Defect : In 2012 we issued an update to the transmission software and engine control software. A service action was issued to upgrade vehicles made before this software was issued.

As part of the software update, the stored adjustment settings for the automatic clutch were not deleted and re-taught. These stored settings are incompatible with the updated software and can result in incorrect operation in certain circumstances.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the subject vehicles:

(a) The transmission may go into to neutral transmission state without warning to the driver, resulting in a loss of motive power. In this case, the driver will be unable to maintain or increase speed unless they select a gear manually.

The steering and brakes remain fully functional at all times but there is an increased risk of a crash.

The problems will not occur if:

1. The vehicle has had a clutch replacement and the stored settings were deleted and learned again.
2. The stored settings were deleted because of other work and learned again.

There have not been any reported injuries relating to this issue and no reports had been received from the US. There have been no further reports of this concern during the period of our investigations.

Description of the Cause :

For correct operation, the automatic clutch must be taught the correct adjustment settings by a technician. If this is not done, the clutch can become incorrectly adjusted, and after a period, can cause the following problems:

- At some throttle positions, the transmission can miss a gearchange without control from the driver. In some cases, this can result in the vehicle selecting neutral. If this happens, the driver can still use the gear select paddles to select a gear.
- The clutch can slip and overheat. If this happens, the transmission will go into a "clutch protection" mode. The engine Malfunction Indicator Light (MIL) will come on and gearchanges will be abrupt until the temperature of the clutch falls. Normal gear change will then return. This function protects the clutch from damage.

Identification of Any Warning that can Occur :

Malfunction Indicator Light illuminates

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In April 2017, we were notified about driveability problems on V8 Vantage Sportshift vehicles. The vehicles were 10,11 and 12.5 model years (manufactured from 12/2010 to 08/2012). We immediately launched an investigation into the issue.

Tests were done on an engineering vehicle at AML and we were able to replicate the reported problems.

A recommendation was made by the CCRG to progress the matter to the Recall Committee on June 15, 2017.

A Recall Committee convened on June 15, 2017 and determined to launch a Recall of all vehicles that have had the Service Action completed after the clutch values had been learnt (After the warranty start date).

Description of Remedy :

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| Description of Remedy Program : | Remedy The clutch software will be re-installed, and the system re-taught. Reimbursement Plan Owners of all potentially affected vehicles will be notified to take their vehicle to an Aston Martin dealer. The transmission software will be updated and the clutch self-learn process done. If necessary, the vehicle clutch system will be repaired or replaced, at no cost to the owner. |
| How Remedy Component Differs from Recalled Component : | Vehicle Software level identifiable through Aston Martin Diagnostic System interrogation |
| Identify How/When Recall Condition was Corrected in Production : | Updated Software installed in new production cars on-line in manufacturing facility from August 2012 |

Recall Schedule :

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|------------------------------------|---|
| Description of Recall Schedule : | It is Aston Martin's intention to notify all customers who are listed in the table above. Aston Martin will provide copies of the notification schedule, including mail dates for the owner letter. |
| Planned Dealer Notification Date : | JUN 23, 2017 - JUN 23, 2017 |
| Planned Owner Notification Date : | JUL 07, 2017 - AUG 07, 2017 |

* NR - Not Reported