

SAFETY RECALL ACTION

Reference number:	RA-07-0024	Issued: 6 July, 2017
Subject:	Connector failure on V8 Vantage 7-Speed SportShift II Transmission	
Model(s):	V8 Vantage and V8 Vantage S with 7-Speed SportShift II Transmission	
VIN range:	Refer to the separately published list of VINs	
Applicable to:	All Dealers (Not USA)	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Staff Technician(s) Parts Staff

Attached Documents:

1. **Copy of the Owner Notification letter for vehicles in RA-07-0024.**
2. **Copy of the Change of Keeper or Address form.**

Reason for this Recall Action

This Recall Action is applicable to the vehicles that follow:

- V8 Vantage Coupe and Roadster with 7-Speed "SportShift II" transmission from February 2012 thru September 2013.
- V8 Vantage S Coupe and Roadster with 7-Speed "SportShift II" transmission from July 2010 thru September 2013.

Aston Martin has determined that a defect which relates to motor vehicle safety exists on a range of V8 Vantage vehicles that were manufactured from July 2010 thru September 2013.

In October 2010, a connector in the hydraulic system for the 7-speed Auto-Shift Manual (ASM) transmission that is installed on V8 Vantage, was found not to have sufficient support. The connector is between the pipe for the clutch fluid and the ASM system. It is possible that this connector can fail and cause loss of the clutch fluid.

If the hydraulic fluid leaks, the level will go down. As the fluid level goes down, the following can occur:

- The driver may see signs of fluid below the vehicle or underneath on the ground.
- At start-up, an "Unable to select gears" warning will show in the driver's display and the transmission will not change from Neutral or Park into a gear. The driver will be unable to move the vehicle.
- While driving, an "Unable to select gears" warning will flash and the driver can continue in the same gear until they choose a place to stop. In this condition, if the driver operates the brakes, the engine can be stalled as the vehicle comes to a stop.
- If, in the case above there is sufficient pressure remaining in the hydraulic system, the transmission will select emergency neutral as the vehicle comes to a stop.

To correct the problem

To correct this problem, you must:

- Do a check to see if Service Action SA-07-0225 has been completed on the vehicle.
- If necessary, install a support bracket to hold the connector and prevent movement.

The full list of VINs for the affected vehicles is on the DCS portal as an attachment to this Recall Action document.

PLEASE DO A CHECK OF ALL VEHICLES THAT ARE IN THE AFFECTED VIN LIST

Communications

We will write to every owner directly to tell them about this Safety Recall Action. A copy of the letter is attached at the end of this Recall Action for your information. There is also a copy of the "Change of Keeper's Address or Ownership" form.

When the Owner calls to make an appointment, briefly describe the remedial work which will be done to the Owner's vehicle and fully explain the reason for this work. Tell the owner that the repair will be done at no cost to them.

Service Reception Desk – Checks you must do before you book the vehicle in

When you make a reservation for a Customer that you confirm the name and contact details are correct in Aston Martin's records.

To do this, please do the steps that follow:

1. Enter the vehicle's 6-digit chassis number into DCS (amdealers.com) and click "Validate" (refer to Figure 1).

Figure 1

2. Make sure that the vehicle details are correct. If the current owner is correct, no action is necessary.
3. Make sure that the Customer name is correct. If the data is correct, then no action is necessary.
4. To update the Customer details, use the search feature to find the customer in your Synergy database (refer to Figure 2).

Chassis	Model Name	Body Style	Model Year	Drive Type	Gear Box	Exterior Colour	Trim	Spec	Current Owner
L02491	DB11 Coupe	C	2017	L	A	Jet Black P1320AAA	Pure Black Leather (LX131)		

Figure 2

Note: *The Customer record and updated details must have been entered into Synergy before you try to transfer the ownership in DCS.*

5. If the correct Customer shows, click "confirm".
6. If the correct Customer details do not show, click "add new".

Before you start work

Log on to the Online Dealer Warranty (ODW) system. Do the steps that follow:

1. Select the Warranty Live screen (Outstanding Campaigns Status).
2. Download the attached VIN list from the DCS Portal and do a check of the VINs in your control.
3. Find out if there are other open Service Actions (SAs) or Recall Actions (RAs) for the vehicles in the list.
4. List the SAs and RAs and plan the work so that the Owner only needs to come to your Dealership once.

Note: *The ODW system operates in real-time. Thus, the online condition shows only the newest Dealer Warranty Claim submissions.*

Workshop Procedure

This Workshop Procedure has the parts that follow:

- Part A - Examine the Connector for the Clutch Fluid Line.
- Part B - Install the ASM Hose Bracket Assembly.

Part A - Examine the Connector for the Clutch Fluid Line

1. Lift the vehicle and make it safe.

WARNING: **DO NOT TOUCH THE EXHAUST SYSTEM AFTER OPERATION OF THE ENGINE. THE EXHAUST SYSTEM WILL BE HOT AND CAN CAUSE INJURY. WAIT FOR THE EXHAUST TO BECOME COOL BEFORE YOU DO WORK.**

2. Examine the connector on the clutch supply line. If the bracket (1) shown in Figure 3 is installed, you do not need to do more work. Do Step 4.

If the bracket is not installed, continue from Part B.

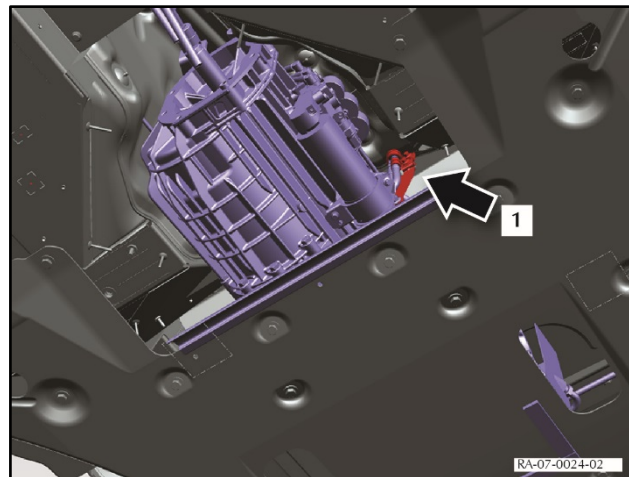
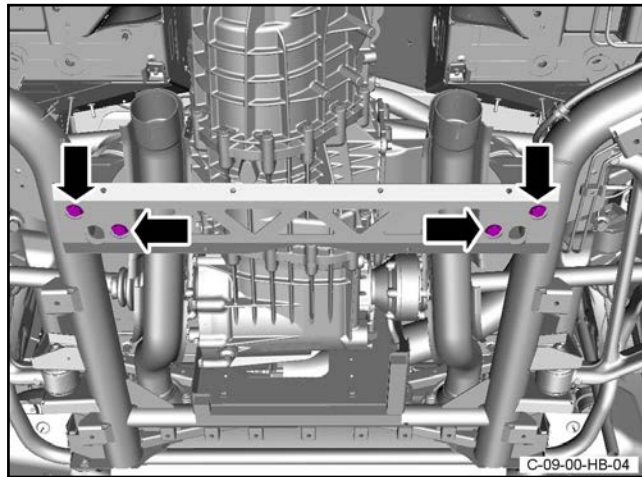


Figure 3

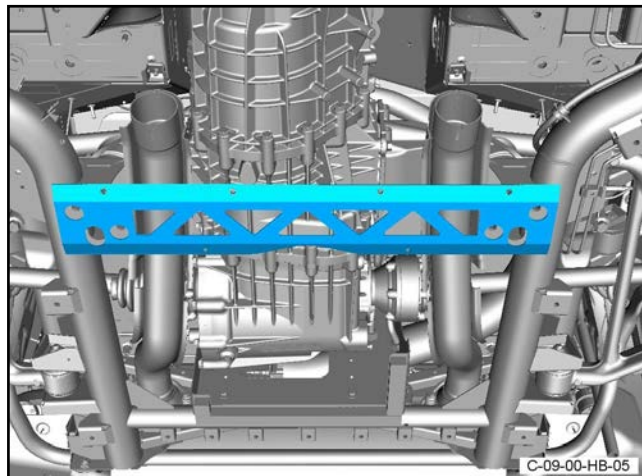
3. Install the rear undertray (refer to Workshop Manual procedure 01.02.PB).

Part B - Install the ASM Hose Bracket Assembly

4. Hold the cross brace (refer to Figure 4).
5. Remove the four bolts that attach the cross brace to the subframe.

**Figure 4**

6. Remove the cross brace (refer to Figure 5).

**Figure 5****Release the fluid pressure in the ASM system**

WARNING: MAKE SURE THAT YOU DO THE STEPS THAT FOLLOW TO RELEASE THE PRESSURE FROM THE HYDRAULIC SYSTEM. THE ASM SYSTEM OPERATES AT VERY HIGH PRESSURE. IF YOU DO NOT RELEASE THE PRESSURE, PERSONAL INJURY CAN OCCUR IF YOU DO WORK ON THE HYDRAULIC SYSTEM.

7. Disconnect the electrical connector (1) for the ASM fluid pump (2) (refer to Figure 6).
8. Start the engine.
Note: This will log a transmission fault code.
9. Operate the gears until they do not continue to change.
Note: This releases the pressure in the hydraulic system.
10. Stop the engine and remove the key from the docking station.

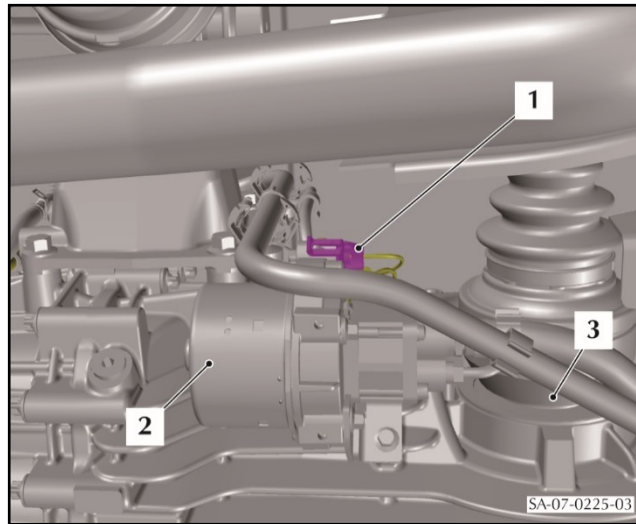


Figure 6

Install the New Bracket Assembly

11. Remove the two bolts that attach the front heat shield to the rear exhaust pipe (refer to Figure 7).

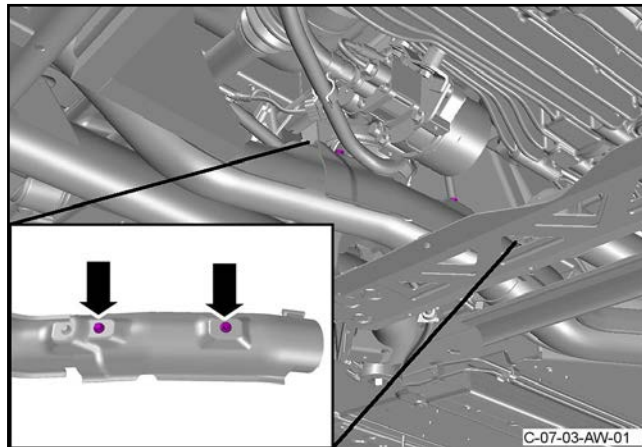


Figure 7

12. Remove the heat shield (refer to Figure 8)

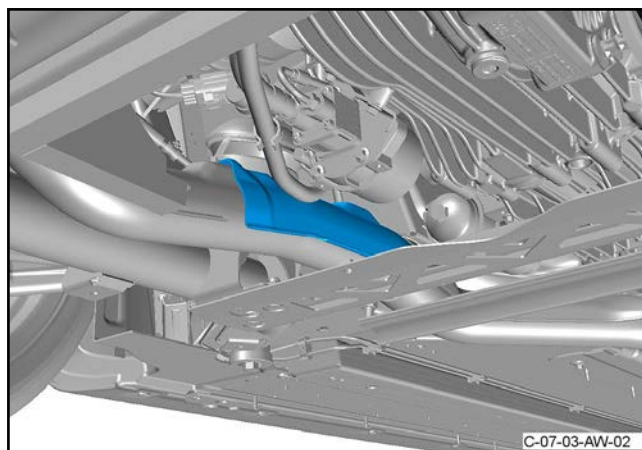


Figure 8

WARNING: THE EDGES OF THE EXHAUST REAR HEAT SHIELD ARE SHARP AND CAN CAUSE INJURY. APPLY TAPE TO THE REAR HEAT SHIELD FOR PROTECTION.

13. Apply applicable tape to the edges of the exhaust rear heatshield for protection.

14. Remove and discard the clip that attaches the tube for the clutch slave cylinder to the flexible hose.
15. Install a new clip to attach the tube for the clutch slave cylinder to the flexible hose.

16. Cut and remove the fir-tree fixing (1) that attaches the ASM hose assembly (2) to the transmission (refer to Figure 9).
17. Install the two P-clips (3) onto the ASM hose assembly (2).
18. Put the new ASM hose bracket (4) in position on the transmission mounting bracket (5).
19. Loosely install the screw (6) that attaches the top P-clip to the ASM hose bracket (4).
20. Align the top P-clip (3), the ASM hose bracket (4) and the ASM hose (2).
21. Align the ASM hose bracket (4) with the holes in the transmission mounting bracket (5). Install and tighten the two attachment screws (8).

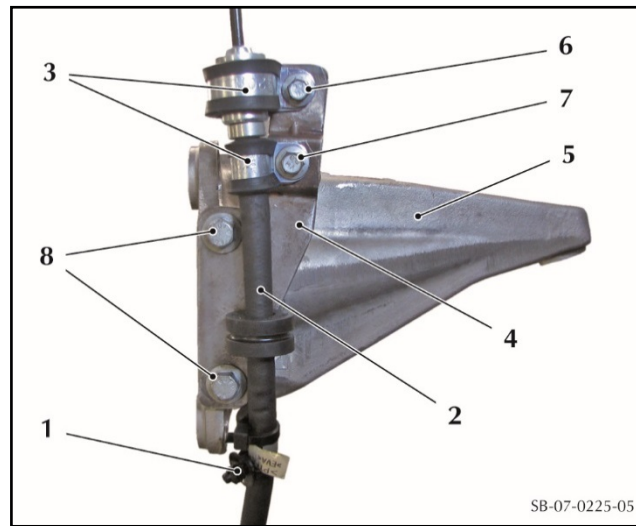


Figure 9

22. Put the bottom P-clip (3) into the correct position and loosely install the attachment screw (7).
23. Make sure that the P-clips (3) and the ASM hose assembly (2) are correctly aligned and tighten the two P-clip attachment screws (6 and 7).

Assembly

24. Connect the electrical connector to the ASM fluid pump.
25. Remove the protective tape from the exhaust rear heat shield.
26. Put the front heat shield in position on the rear exhaust pipe (refer to Figure 10).

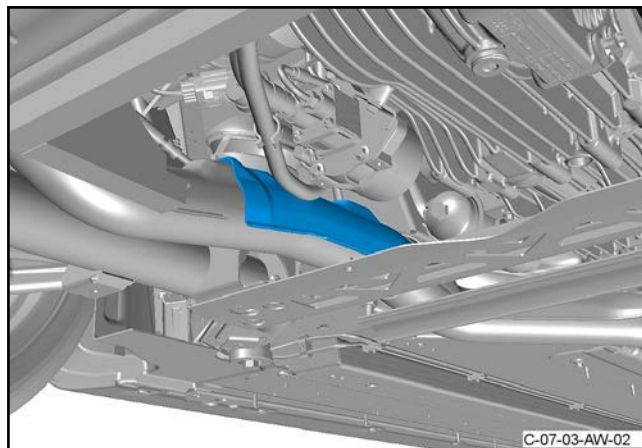


Figure 10

27. Install the two bolts that attach the front heat shield to the rear exhaust pipe (refer to Figure 11).

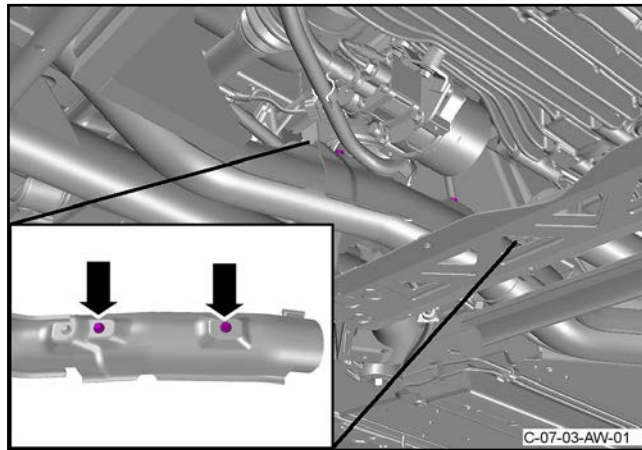


Figure 11

28. Install the rear undertray (refer to Workshop Manual procedure 01.02.PB).
 29. Use the AMDS to clear all recorded transmission fault codes.

Warranty Data

Make sure that you submit your claim in less than 24 hours after the work is completed.

Procedure and Labour Time

Description	Labour Time
Examine the connector for the ASM clutch tube assembly.	0.1 hours
Examine and if necessary install the ASM hose bracket assembly.	0.8 hours

Part Data

The parts in the list that follow are available as a Kit. The part number for the kit is: **DG33-33-10695**.

Description	Part Number	Quantity
Pipe Clip Kit (ASM)	DG33-33-10695	1

The Contents of the kit (Part Number DG33-33-10695):

Description	Part Number	Quantity
Clip, ASM Hose	6G33-33-10673	1
V8 ASM Hose Bracket	DG33-7J158-AA	1
P-clip, 20 mm diameter	DG33-589806-AA	1
P-clip, 10 mm diameter	694891	1
Screw, M8 x 20 mm	703121	2
Screw, M6 x 25 mm	703025	2

Please Note:

When you have completed this Recall Action, make sure that you make an entry in Section A of the Vehicle Owner's Guide to show that the procedure is completed.

If you have any questions related to this Recall Action, please contact: Aston Martin Technical Services on:
+44 (0) 1926 644720, email: askamtech@astonmartin.com,
or contact your After Sales Manager.

The English version of this Recall Action is written in
Simplified Technical English to ASD-STE100™.

Copy of the Owner Notification Letter

[Date DD Month, YYYY]

[Customer Name]
[Customer Address 1]
[Customer Address 2]
[Customer City/County]
[Customer Country]

IMPORTANT SAFETY RECALL NOTICE RA-07-0024

This notice applies to your vehicle: [INSERT VIN]

Dear [Customer]

Safety Recall Action RA-07-0024 – Connector failure on V8 Vantage 7-Speed SportShift II Transmission

Aston Martin has determined that a defect which relates to motor vehicle safety exists on V8 Vantage vehicles that were manufactured from July 2010 thru September 2013 with 7-speed SportShift II ASM transmission.

A connector in the hydraulic system for the 7-speed Auto-Shift Manual (ASM) transmission that is installed on V8 Vantage, was found not to have sufficient support. The connector is between the pipe for the clutch fluid and the ASM system. It is possible that this connector can fail and cause loss of the clutch fluid. This would result in malfunction of the clutch system, which could cause a vehicle crash.

A Service Action was issued to repair all vehicles that are affected but our records show that your vehicle has not yet had the modification.

WHAT WE WILL DO

Your vehicle will be examined to check if the Service Action was completed previously. If necessary, a support bracket will be installed to hold the pipe securely in position and prevent movement of the assembly. When you have booked the vehicle in with your Dealer, wherever possible they will endeavour to complete the modification while you wait, to minimise the impact on your time.

WHAT YOU SHOULD DO

Please contact your Aston Martin dealer as soon as possible to arrange a date for the repair. They will be able to fully explain why this Recall Action is necessary. Instructions for making this correction have been sent to your dealer. The labour time necessary to complete this service correction is a maximum of one hour. Please ask your dealer if you wish to know how much additional time will be needed to schedule and process your vehicle.

Your Aston Martin dealer is best equipped to obtain parts and provide the service to make sure that your vehicle is corrected as promptly as possible.

Copy of the Owner Notification Letter

IF YOU NO LONGER OWN THE VEHICLE

If you have sold or traded your vehicle, please tell us by completing the enclosed Change of Keeper form and returning it to us.

We are sorry to cause inconvenience with this Recall Action. However, this action has been taken in the interest of your safety and continued satisfaction with our products.

Yours sincerely



Phil Eaglesfield
Director, Client Services
Aston Martin Lagonda Limited

Copy - For Information Only



ASTON MARTIN

Safety Recall Action RA-07-0024

Models: V8 Vantage with 7-Speed SportShift II

Subject Connector failure on V8 Vantage S 7-Speed SportShift II Transmission

CHANGE OF KEEPER OR ADDRESS

VEHICLE IDENTIFICATION NUMBER (VIN)												
S	C	F										

REGISTRATION NUMBER (where known)

Please tick the applicable box:

I do not own/operate this vehicle now. The vehicle has been:		
Stolen	(1)	<input type="checkbox"/>
Scrapped	(2)	<input type="checkbox"/>
Sold or Transferred to a new owner	(3)	<input type="checkbox"/>
Part exchanged at an Aston Martin Lagonda Dealer	(4)	<input type="checkbox"/>
Part exchanged at a non-Aston Martin Lagonda Dealer	(5)	<input type="checkbox"/>
Declared an insurance total-loss	(6)	<input type="checkbox"/>
Permanently exported to another country	(7)	<input type="checkbox"/>
Returned to a lease company	(8)	<input type="checkbox"/>
Sold at auction	(9)	<input type="checkbox"/>
The address you have used is incorrect	(10)	<input type="checkbox"/>

If you have ticked a box from (3) to (10), please record the latest known keeper information below:

Business Name																		
Title																		
First Name																		
Last Name																		
Address Line 1																		
Address Line 2																		
Town																		
County																		
Postal/Zip Code																		
Country																		

Signature:

Date:

Please return this form by mail to: Client Services, Aston Martin Lagonda Ltd, Banbury Road, Gaydon, Warwick, CV35 0DB, England.

Or, if you prefer, you can scan and email it to cofo@astonmartin.com.

THANK YOU FOR YOUR CO-OPERATION