

## SERVICE BULLETIN

Reference number:	SB-03-0450V2	Issued: 10 January, 2019
Subject:	V12 Secondary Air Injection System Codes P0492 P0491	
Model(s):	DB11 V12, DBS Superleggera	
VIN Range:	All	
Applicable to:	All Dealers	
Distribute to:	After Sales Manager Service Manager	Warranty Staff Technician(s) Parts Staff

### Reason for this Service Bulletin

There can be problems related to the Secondary Air Injection (SAI) system. If you find a fault with the SAI system, please do the checks that follow:

### Workshop Procedure

**Notes:** *For more information about procedures that follow, please refer to the Workshop Manual for the applicable vehicle.*

*This Service Bulletin is for additional information only. Further diagnosis may be required.*

*For SAI system operation, refer to Description and Operation section 03-08 in Workshop Information.*

1. Complete Workshop Manual procedure 00.06.AD AMDS Operation Check (Check).
2. Do a check for Diagnostic Trouble Codes (DTCs).
  - If you find only DTC P0492 (ECM2, AIR System Insufficient Flow Bank 2), do Step 3.
  - If you find DTCs P0491 (ECM1, AIR System Insufficient Flow Bank 1) and P0492 (ECM2, AIR System Insufficient Flow Bank 2), do Step 4.

### 3. P0492 Only

We have found a problem with the SAI pump to SAI control valve pipe. In some incidents, the pipe has split at the elbow for the sensor. (Refer to Figure 1). To do a check for leaks, attach a smoke leak tester to the pipe on the SAI pump side.

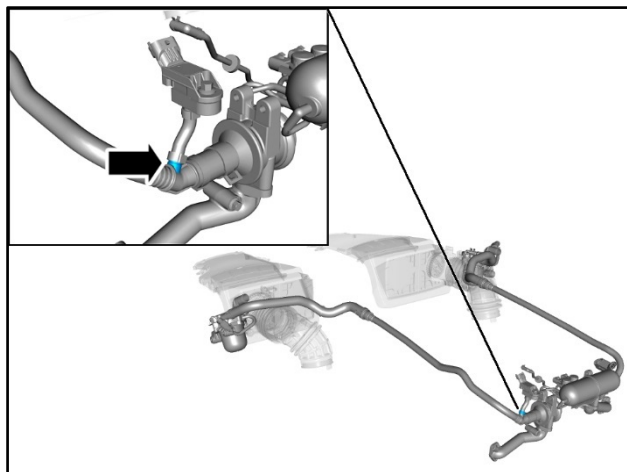
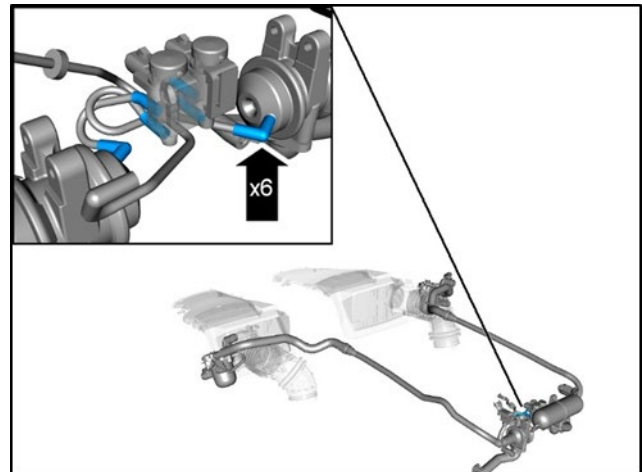


Figure 1

**4. P0491 and P0492**

It is possible that the vacuum pipes for the SAI control valve are not correctly attached. This can cause failure of the SAI control valve operation. In these incidents, make sure that all of the vacuum connections shown in Figure 2 are correctly attached.



**Figure 2**

- 5. Complete an ePDR. Give this bulletin number as reference and submit it to DCS. Aston Martin Technical Services can request return of the related parts under the warranty process for analysis.

**Failure Mode Description**

Select the failure modes that follow when you make a claim through the warranty system:

Subsystem	Location	Component	Mode of Failure
POWERTRAIN	ENGINE - BASE	ENGINE - SECONDARY AIR INJECTION - PIPE (VACUUM)	INOPERATIVE - NOT CONNECTED
POWERTRAIN	ENGINE - BASE	ENGINE - SECONDARY AIR INJECTION - PIPE	LEAKING - DAMAGED

If you have any questions related to this Service Bulletin, 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 Service Bulletin is written in Simplified Technical English to ASD-STE100™.