

RESTRAINT CONTROL MODULE DIAGNOSIS MANUAL

Reference number:	OTH-01-1043	Issued: 22 May 2018
Subject:	Correct Diagnosis and Replacement of Restraint Control Modules	
Model(s):	DB9, Vantage (All Variants) , Vanquish (All Variants), DBS, Rapide, One-77, Taraf & Virage (Legacy Vehicles only)	
VIN Range:	All VINs	
Applicable to:	All Dealers	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Technician(s) Parts

Restraints Control Module (RCM) Overview

The location of the safety electronics Restraints Control Module (RCM) is on the tunnel under the armrest.

The RCM provides important functions in the vehicle as follows:

- Sense a crash impact and, when the impact is severe enough, trigger the applicable restraints based on information such as the type of impact, occupancy, and seat belt status.
- Sends data to the vehicle to tell it that a crash has occurred, this tells other control modules to react in an applicable way. For example, cut off the fuel supply and unlock the doors.
- Constantly monitor the restraints system, which includes input sensors, RCM and output actuators such as airbags, seat belts and deployable roll bars.
- Report the status of failure modes as fault codes in the event that a fault has occurred.

This RCM Diagnosis manual has been issued to explain the fault diagnosis process so that you can diagnose and repair faults in the safety electronics system. This means that you should only need to replace the RCM when it has an internal fault or it has deployed the restraints due to a crash event.

The restraints system operates independently from the vehicle's electronic architecture (with the exception of the power supply in and the CAN and crash signal outputs). This independent system is shown on the schematic diagram below. You can see the sensing inputs and the restraints outputs (refer to Figure 1).

Note: *The schematic diagram shows a typical two-door coupe setup. There are different variants of this configuration for convertible and four-door vehicles.*

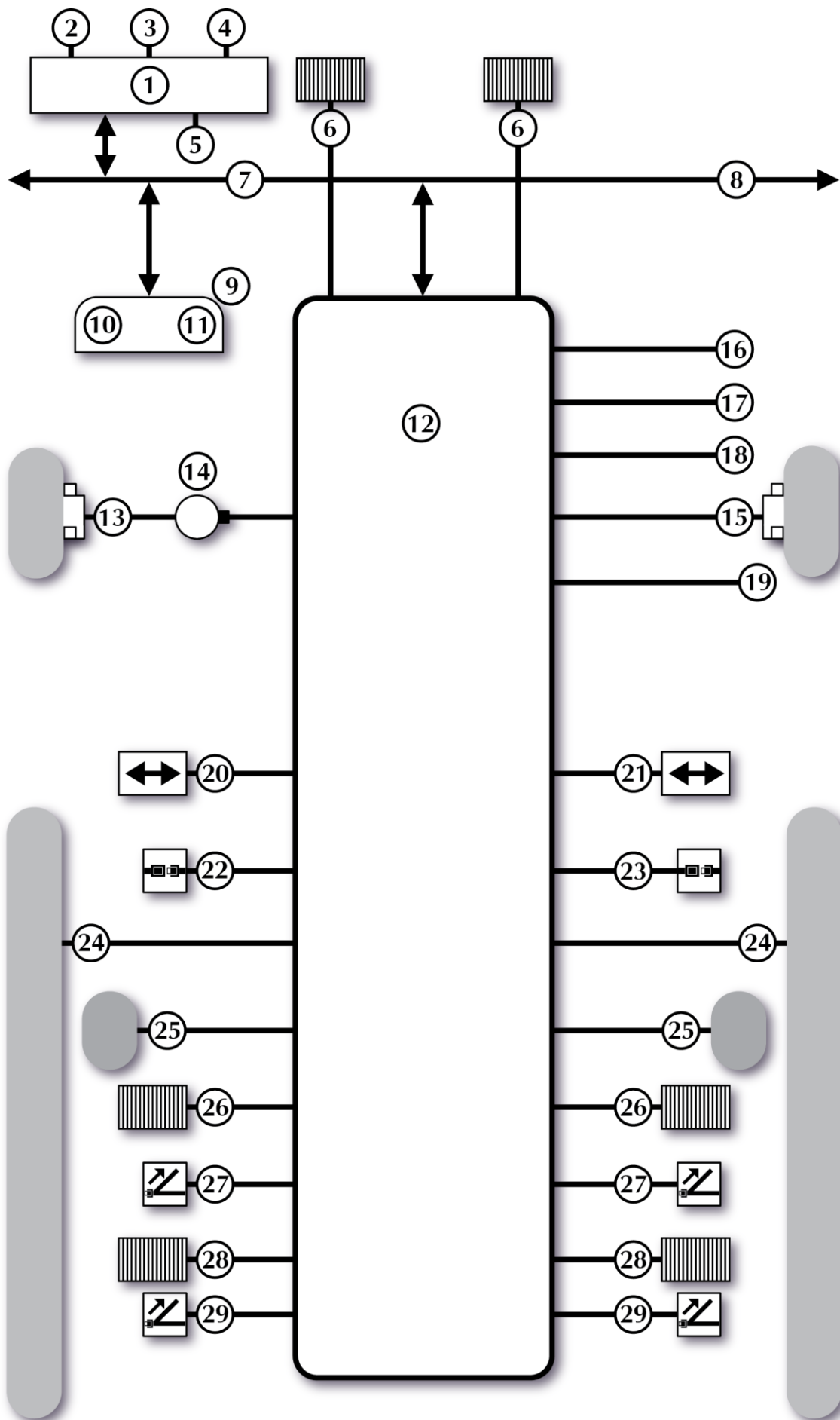


Figure 1

Item	Description
1	Central Electronic Module (CEM)
2	Crash output signal (CAN)
3	Seat belt reminder driver's side (all models), passenger side (Rapide and Vanquish only)
4	Rear seat belt buckles (Rapide only)
5	Passenger Airbag Deactivation (PAD) lamp
6	Up-front sensors acceleration
7	CAN L/S (Low Speed)
8	CAN BUS
9	Driver Information Module (DIM)
10	Text message on DIM
11	Supplementary Restraint System (SRS) warning light
12	Restraints Control Module (RCM) Electronic Control Module (ECU)
13	Driver airbag (two-stage)
14	Clock-spring rotary connector (steering column)
15	Passenger airbag (two inflators)
16	Power supply, 15
17	Power supply, CEM relay
18	Crash output signal (voltage drop)
19	Passenger Airbag Cut Off Switch (PASSENGER AIRBAG CUT-OFF SWITCH (PACOS))
20	Seat track sensor driver side
21	Seat track sensor passenger side
22	Seat belt buckle driver's side
23	Seat belt buckle passenger's side
24	Inflatable Curtains (IC) (cantrail or door-mounted)
25	Side airbags seat
26	Side sensors door pressure
27	Shoulder seat belt pretensioners
28	Side sensors B pillar acceleration
29	Lap belt pretensioners

Trace Faults

The RCM constantly diagnoses all circuits connected to it by the measurement of resistances or current flow. Diagnostic Trouble Codes (DTCs) report out-of-specification performance. The DTC identifies the faulty circuit and gives a descriptive text for the type of fault.

Category of faults are as follows:

- Open circuit
- Short circuit
- Short to GROUND
- Short to LIVE

These are all hardware faults, which can be repaired by physical actions, for example: clean the contacts or resolve broken wires. In addition to this, configuration faults are reported, often as "Plausibility". These faults refer to incorrect configurations when an input or output is connected, but the system (as defined by software) does not expect to see them. This type of fault usually needs a software correction to repair it, for example: Install software file.

The DTC list highlights the fault category. This will state if the warning will clear if you remove the fault or you have to make an active clear command. A DTC list is inbuilt into AMDS (Aston Martin Diagnostic System) and, if the system recognises the RCM fitted, it automatically reports some information to the technician to help track the fault.

There are two categories for DTCs called external faults and internal faults. External faults are anything on the safety electronics system that is after the RCM interface plug. Internal faults are related to the RCM itself.

You can only repair external faults by actions on peripheral input or output circuits. When you have repaired the root cause of the fault, you can clear the DTC. Internal faults are only applicable to the RCM, so you cannot repair them and you cannot clear the DTCs. The only way to resolve internal faults in the RCM is to replace the RCM.

Some diagnostic procedures require the use of one or more special air bag simulators which simulate a complete circuit for diagnostic purposes. These are supplied as part of the AML VH mandatory tooling kit.

WARNING: THE RCM MUST BE REPLACED IN THE EVENT OF AN ACCIDENT WHERE THE AIRBAGS HAVE BEEN DEPLOYED.

WARNING: THE BATTERY MUST BE DISCONNECTED WHEN TESTING CIRCUITS BEYOND THE RCM BY RESISTANCE OR OTHER MEANS. WAIT FOR TWO MINUTES BEFORE YOU ATTEMPT TO REMOVE THE RCM TO MAKE SURE THAT THE RESTRAINTS SYSTEM HAS DE-ENERGIZED. THIS WILL PREVENT ACCIDENTAL OPERATION WHICH CAN CAUSE PERSONAL INJURY OR DAMAGE TO THE VEHICLE.

RCM Replacement

Where it is determined that an RCM must be replaced, it is most likely that a direct part number-to-part number, will not be available, due to obsolescence. If this occurs it is important to get a replacement which matches the 'family' of part types, designated P11, P12, P14 and P15. When a part is received from Parts Operations make sure you check the component in the attached list in Table 4, to ensure you have the correct part. This can be done by a check of the 8 digit number printed on the part label (refer to Figure 1).

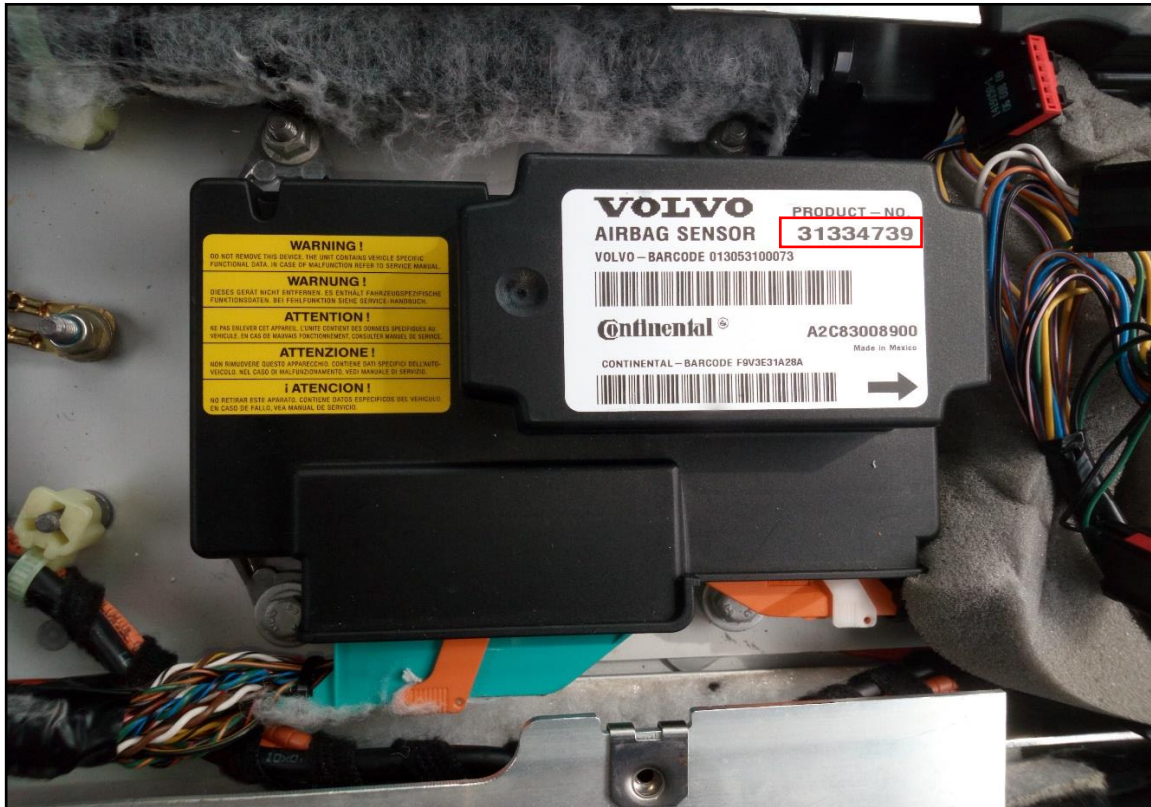


Figure 1

Note: *Only replace an RCM on a non-crashed vehicle when it has an internal fault which logs a DTC for example: "CFFF". Do not replace the RCM for any other DTC's and it is not expected that replacement will solve any non-"CFFF" issues unless movement of the connections itself resolves dirty contacts as a secondary consequence.*

If you replace the RCM it will not repair the external faults, these should be diagnosed and repaired without RCM replacement.

This RCM manual gives you a generic overview of the DTCs, the likely reason for the faults and descriptive text about the possible cause and action, to help you diagnose problems (refer to Table 1, 2 or 3 dependant on module type).

Note: *Additional note to Restraints Control Module (RCM) Diagnosis Manual on the software update process.*

Purpose

The purpose of this note is to inform dealers to order software as soon as they know an RCM module has to be swapped on a VH type vehicle.

RCM Background

The P1X family of RCM modules has been used on VH platform vehicles since the introduction of DB9. In the time since DB9 introduction there have been many iterations of the part. Due to these changes, early level parts are generally not now available, so where a RCM has to be swapped on a vehicle (this should only be necessary if there is a CFFF code that indicates an internal fault) then a later part level must be used. In this case updated or hybrid (not released for the original model) software may be required, to ensure functionality. In some cases VH platform vehicles are not supported with RCM software in the AMDS (Aston Martin Diagnostic System) system, i.e. the part and software associated with it is not registered in the database, therefore there is not an automatic routine to flash SW to a new module.

RCM Replacement Process

As soon as a dealer is aware of the need for replacement of the RCM, they should contact Service operations to request software to suit, this will be sent via MX and an MX account will be required, dealers must provide the user information before requesting new RCM software. When this is done please provide the vehicle VIN number, part number of the original RCM (a photo of the label is best), part number of the ordered replacement and confirm that there have been no significant safety system configuration changes over the vehicles life, such as seats swapped from comfort to lightweight. The service contact will then provide a folder with a sequence file (.vbs format) and individual files (.vbf format), along with instructions on how to flash them with AMDS.

DTC Lists

Please use the specific DTC list only as a guide to diagnose but also refer to AMDS or Engineering for a vehicle-specific decoding. Below are three separate DTC lists aligned to the basic module type and vehicle body type. Ensure that the correct DTC list is being used when checking faults and be aware that not all circuits and DTC's have been used throughout all model years.

Note: *The DTCs may not report the correct circuit for some older control modules. If you have any questions about this, please contact engineering through your Client Services contact.*

Table 1

Module Types, P11, P12, P14, on Coupe vehicles.

DTC	Tested Subject	Reason for Fault	Probable Cause of the Fault and Action
0001	SRS warning lamp	CAN message: "SRSBulbStatus" reports WL faulty	Check CAN signal from DIM, check DIM and WL connection.
0002	Supplementary Restraint System (SRS) warning lamp	CAN message: SRSBulbStatus timeout	Missing CAN message from DIM to the SRS, check DIM's CAN connection.
0003	Passenger Airbag Disabled (PAD) warning lamp	CAN message: "PADLampStatus" reports Passenger Airbag Disabled (PAD)	Check CAN signal from CEM, check CEM and PAD lamp connection.
0004	Passenger Airbag Disabled (PAD) warning lamp	CAN message: PADLampStatus timeout	Missing CAN message from CEM to SRS, check CEM's CAN connection.
0005	Battery power supply	Low voltage	Flat battery
0006	Battery power supply	High voltage	Lorry or external AC/DC power supply being used.
0010	Squib driver airbag stage 1	Leakage to GROUND	Trapped wire to chassis.
0011	Squib driver airbag stage 1	Leakage to LIVE	Trapped wire to power feed.
0012	Squib driver airbag stage 1	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0013	Squib driver airbag stage 1	Resistance too high	Open connector
0014	Squib driver airbag stage 1	Short circuit to ignition loop	Short circuit between two different squib circuits.
0015	Squib driver airbag stage 1	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

0016	Squib driver airbag stage 2	Leakage to GROUND	Trapped wire to chassis.
0017	Squib driver airbag stage 2	Leakage to LIVE	Trapped wire to power feed.
0018	Squib driver airbag stage 2	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0019	Squib driver airbag stage 2	Resistance too high	Open connector.
001A	Squib driver airbag stage 2	short circuit to ignition loop	Short circuit between two different squib circuits.
001B	Squib driver airbag stage 2	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
001C	Squib driver shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
001D	Squib-driver shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
001E	Squib driver shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
001F	Squib driver shoulder belt pretensioner	Resistance too high	Open connector.
0020	Squib driver shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits
0021	Squib driver shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

DB9 & Vanquish 13MY Onwards, V12 Vantage 15.5MY Onwards

0022	Squib driver lap belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0023	Squib driver lap belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
0024	Squib driver lap belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0025	Squib driver lap belt pretensioner	Resistance too high	Open connector.
0026	Squib driver lap belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
0027	Squib driver lap belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
0028	Squib adaptive load limiter dr.	Leakage to GROUND	<i>This component is Not used by AML</i>
0029	Squib adaptive load limiter dr.	Leakage to LIVE	
002A	Squib adaptive load limiter dr.	Resistance too low	
002B	Squib adaptive load limiter dr.	Resistance too high	
002C	Squib adaptive load limiter dr.	Short circuit to ignition loop	
002D	Squib adaptive load limiter dr.	Plausibility	
002E	Squib adaptive steering column	Leakage to GROUND	<i>This component is Not used by AML</i>
002F	Squib adaptive steering column	Leakage to LIVE	
0030	Squib adaptive steering column	Resistance too low	
0031	Squib adaptive steering column	Resistance too high	
0032	Squib adaptive steering column	Short circuit to ignition loop	
0033	Squib adaptive steering column	Plausibility	
0034	Squib passenger airbag stage 1	Leakage to GROUND	Trapped wire to chassis.
0035	Squib passenger airbag stage 1	Leakage to LIVE	Trapped wire to power feed.
0036	Squib passenger airbag stage 1	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0037	Squib passenger airbag stage 1	Resistance too high	Open connector.
0038	Squib passenger airbag stage 1	Short circuit to ignition loop	Short circuit between two different squib circuits.
0039	Squib passenger airbag stage 1	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Rapide and Taraf only			
003A	Squib passenger airbag stage 2	Leakage to GROUND	Trapped wire to chassis.
003B	Squib passenger airbag stage 2	Leakage to LIVE	Trapped wire to power feed.
003C	Squib passenger airbag stage 2	Resistance too low	Pins touching each other on line or connector not pushed in fully.
003D	Squib passenger airbag stage 2	Resistance too high	Open connector.
003E	Squib passenger airbag stage 2	Short circuit to ignition loop	Short circuit between two different squib circuits.
003F	Squib passenger airbag stage 2	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0040	Squib passenger shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0041	Squib passenger shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
0042	Squib passenger shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0043	Squib passenger shoulder belt pretensioner	Resistance too high	Open connector.
0044	Squib passenger shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
0045	Squib passenger shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

DB9 & Vanquish 13MY Onwards, V12 Vantage 15.5MY Onwards			
0046	Squib passenger lap belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0047	<u>Squib right seat side bag</u> Squib passenger lap belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
0048	Squib passenger lap belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0049	Squib passenger lap belt pretensioner	Resistance too high	Open connector.
004A	Squib passenger lap belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
004B	Squib passenger lap belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
004C	<i>Squib adaptive load limiter passenger</i>	<i>Leakage to GROUND</i>	<i>This component is not used by AML</i>
004D	<i>Squib adaptive load limiter passenger</i>	<i>Leakage to LIVE</i>	
004E	<i>Squib adaptive load limiter passenger</i>	<i>Resistance too low</i>	
004F	<i>Squib adaptive load limiter passenger</i>	<i>Resistance too high</i>	
0050	<i>Squib adaptive load limiter passenger</i>	<i>Short circuit to ignition loop</i>	
0051	<i>Squib adaptive load limiter passenger</i>	<i>Plausibility</i>	
0052	Squib left side seat airbag	Leakage to GROUND	Trapped wire to chassis
0053	Squib left side seat airbag	Leakage to LIVE	Trapped wire to power feed
0054	Squib left side seat airbag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0055	Squib left side seat airbag	Resistance too high	Open connector
0056	Squib left side seat airbag	Short circuit to ignition loop	Short circuit between two different squib circuits
0057	Squib left side seat airbag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0058	Squib right side seat airbag	Leakage to GROUND	Trapped wire to chassis.
0059	Squib right side seat airbag	Leakage to LIVE	Trapped wire to power feed.
005A	Squib right side seat airbag	Resistance too low	Pins touching each other on line or connector not pushed in fully.

005B	Squib right side seat airbag	Resistance too high	Open connector.
005C	Squib right side seat airbag	Short circuit to ignition loop	Short circuit between two different squib circuits.
005D	Squib right side seat airbag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Vanquish only			
005E	Squib inflatable curtain left cantrail	Leakage to GROUND	Trapped wire to chassis.
005F	Squib inflatable curtain left cantrail	Leakage to LIVE	Trapped wire to power feed.
0060	Squib inflatable curtain left cantrail	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0061	Squib inflatable curtain left cantrail	Resistance too high	Open connector.
0062	Squib inflatable curtain left cantrail	Short circuit to ignition loop	Short circuit between two different squib circuits.
0063	Squib inflatable curtain left cantrail	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Vanquish only			
0064	Squib inflatable curtain right cantrail	Leakage to GROUND	Trapped wire to chassis.
0065	Squib inflatable curtain right cantrail	Leakage to LIVE	Trapped wire to power feed.
0066	Squib inflatable curtain right cantrail	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0067	Squib inflatable curtain right cantrail	Resistance too high	Open connector.
0068	Squib inflatable curtain right cantrail	Short circuit to ignition loop	Short circuit between two different squib circuits.
0069	Squib inflatable curtain right cantrail	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Rapide only			
006A	Squib Rear left shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
006B	Squib Rear left shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
006C	Squib Rear left shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
006D	Squib Rear left shoulder belt pretensioner	Resistance too high	Open connector.
006E	Squib Rear left shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
0070	<i>Squib rear middle belt pretens.</i>	<i>Leakage to GROUND</i>	<i>These restraint items and circuits are not used on Aston Martin vehicles</i>
0070	<i>Squib rear middle belt pretens.</i>	<i>Leakage to GROUND</i>	
0071	<i>Squib rear middle belt pretens.</i>	<i>Leakage to LIVE</i>	
0072	<i>Squib rear middle belt pretens.</i>	<i>Resistance too low</i>	
0073	<i>Squib rear middle belt pretens.</i>	<i>Resistance too high</i>	
0074	<i>Squib rear middle belt pretens.</i>	<i>Short circuit to ignition loop</i>	
0075	<i>Squib rear middle belt pretens.</i>	<i>Plausibility</i>	

Rapide only			
0076	Squib Rear Right shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0077	Squib Rear Right shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
0078	Squib Rear Right shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0079	Squib Rear Right shoulder belt pretensioner	Resistance too high	Open connector.
007A	Squib Rear Right shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
007B	Squib Rear Right shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
0090	Belt buckle driver	Short circuit to LIVE	Open circuit or short circuit within or backed out connector at seat.
0091	Belt buckle driver	Open circuit or current not defined	Open circuit or short circuit within or backed out connector at seat.
0092	Belt buckle driver	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
0093	Belt buckle driver	Plausibility	Configuration error: Output has been switched off but part is connected. Software mismatch, check SWP4 part number.
0094	Belt buckle passenger	Short circuit to LIVE	Open circuit or short circuit within or backed out connector at seat.
0095	Belt buckle passenger	Open circuit or current not defined	Open circuit or short circuit within or backed out connector at seat.
0096	Belt buckle passenger	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
0097	Belt buckle passenger	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0098	Belt Buckle	Coupling driver or passenger	Driver passenger belt buckles circuits coupled.
009A	CAN bus belt buckle rear	Signal timeout	Check CAN signal from CEM to SRS, check CEM or belt buckle connector.
009C	Seat track sensor driver	Short circuit to LIVE	Short within or backed out connector at seat.
009D	Seat track sensor driver	Open circuit or current not defined	Short within or backed out connector at seat.
009E	Seat track sensor driver	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
009F	Seat Track Sensor driver	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A0	Seat track sensor passenger	Short circuit to LIVE	Short within or backed out connector at seat.
00A1	Seat track sensor passenger	Open circuit or current not defined	Short within or backed out connector at seat.
00A2	Seat track sensor passenger	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
00A3	Seat track sensor passenger	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

00A4	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch A short circuit to LIVE	Trapped wire to power feed.
00A5	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Open circuit or switch A undetermined	Open circuit or backed out connector. Check SWP4 part number.
00A6	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch A short circuit to GROUND	Trapped wire to chassis.
00A7	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A8	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch B sc. to LIVE	Trapped wire to power feed.
00A9	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Open circuit or switch B undetermined	Open circuit or backed out connector. Check SWP4 part number.
00AA	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch B short circuit to GROUND	Trapped wire to chassis.
00AB	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch state undetermined	The switch may be stuck halfway between On and Off or is physically broken. Check SWP4 part number.
00B0	Left B-pillar SENSOR com. line	open circuit / no new data /Manchester/ parity error	Open connector in circuit
00B1	Left B-pillar SENSOR com. line	short circuit to GROUND	Trapped wire to chassis
00B2	Left B-pillar SENSOR com. line	short circuit to LIVE	Trapped wire to power feed
00B3	Left B-pillar SENSOR	Acceleration sensor error	Internal component error, change sensor.
00B4	Left B-pillar SENSOR	Wrong measurement range	Incorrect sensor fitted, check part number.
00B5	Left B-pillar SENSOR	Plausibility	Incorrect sensor fitted, check part number.

Rapide Only			
00B9	Left C-pillar SENSOR com. line	Open circuit / no new data / Manchester / parity error	Open connector in circuit
00BA	Left C-pillar SENSOR com. line	Short circuit to GROUND	Trapped wire to chassis
00BB	Left C-pillar SENSOR com. line	Short circuit to LIVE	Trapped wire to power feed
00BC	Left C-pillar SENSOR	MRSA5 error	Incorrect sensor fitted, check part number.
00BD	Left C-pillar SENSOR	Wrong measurement range	Incorrect sensor fitted, check part number.
00BE	Left C-pillar SENSOR	Plausibility	Incorrect sensor fitted, check part number.

All Vehicles			
00C2	Right B-pillar SENSOR com. line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00C3	Right B-pillar SENSOR com. line	Short circuit to GROUND	Trapped wire to power feed.
00C4	Right B-pillar SENSOR com. line	Short circuit to LIVE	Open circuit or backed out connector. Check SWP4 part number.
00C5	Right B-pillar SENSOR	MRSA5 error	Trapped wire to chassis.
00C6	Right B-pillar SENSOR	Wrong measurement range	Incorrect sensor fitted, check part number.
00C7	Right B-pillar SENSOR	Plausibility	Incorrect sensor fitted, check part number.

Rapide only			
00CB	Right C pillar acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Trapped wire to power feed.
00CC	Right C pillar acceleration sensor communication line	Short circuit to GROUND	Open circuit or backed out connector. Check SWP4 part number.
00CD	Right C pillar acceleration sensor communication line	Short circuit to LIVE	Trapped wire to chassis.
00CE	Right C pillar acceleration sensor	MRSA5 error	Faulty sensor fitted.
00CF	Right C pillar acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00D0	Right C pillar acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.

All Vehicles			
00D4	Left up front acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Trapped wire to power feed.
00D5	Left up front acceleration sensor communication line	Short circuit to GROUND	Open circuit or backed out connector. Check SWP4 part number.
00D6	Left up front acceleration sensor communication line	Short circuit to LIVE	Trapped wire to chassis.
00D7	Left up front acceleration sensor	Acceleration sensor error	Incorrect sensor fitted, check part number.
00D8	Left up front acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00D9	Left up front acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.
00DD	Right up front acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00DE	Right up front acceleration sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00DF	Right up front acceleration sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00E0	Right up front acceleration sensor	Acceleration sensor error	Incorrect sensor fitted, check part number.
00E1	Right up front acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00E2	Right up front acceleration sensor	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

North American specification vehicles only			
0110	OCCUPANT WEIGHT SENSOR (OWS)	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0111	OCCUPANT WEIGHT SENSOR (OWS)	Communication timeout	Short within or backed out connector at seat.
0112	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) not calibrated	Run Calibration procedure for OCCUPANT WEIGHT SENSOR (OWS) system
0113	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) internal ECU error	Involved in a crash. Change complete OCCUPANT WEIGHT SENSOR (OWS) module
0114	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) pressure fault	Check individual OCCUPANT WEIGHT SENSOR (OWS) on seat base frame for tightness and integrity. Replace complete base if no issues found and DTC not clearable
0115	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) BTS	Code does not apply to AML system.
0116	OCCUPANT WEIGHT SENSOR (OWS)	Indeterminate fault	Replace OCCUPANT WEIGHT SENSOR (OWS)
0117	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) mount fault	Code does not apply to AML system.
0118	OCCUPANT WEIGHT SENSOR (OWS)	Illegal bit combination received	Code does not apply to AML system.
0120	CAN-P-L/H	Error bit set	Private CAN bus error, rework or change SRS module

All Vehicles			
0128	CAN signal: CarConfigParameter sMS	Timeout	CAN Bus error: Check CEM CAN Bus communication
0129	CAN signal: VehicleSpeed	Timeout	CAN Bus error: Check BCF CAN Bus communication
012A	CAN signal: DoorStatus	Timeout	CAN Bus error: CEM CAN Bus communication
012B	CAN signal: CarConfigParameter sMS	CarConfig/SWCE- Equipment file mismatch	Incorrect CEM or SRS configuration.
012C	CAN signal: CarConfigParameter sMS	CarConfig/SWCE- Local Parameters file mismatch.	Incorrect car type specified, signal mismatch in CEM or SRS. Check car type broadcasted by CEM.
012D	CAN signal: PowerMode	Timeout	CAN Bus error: Check CEM CAN Bus communication
0131	VOLCANO	Initialisation of VOLCANO failed	Internal component error, change SRS module
0132	VOODOO	Initialisation of VOODOO failed	Internal component error, change SRS module
013A	Crash Recorder Output (CRO)	Short circuit to GROUND or open line	Open connector in circuit or trapped wire to chassis
013B	Crash telegrams	Three crash events stored	Three crash events occurred, change SRS module.
014A	OCS / PASSENGER AIRBAG CUT-OFF SWITCH (PACOS)	Equipped simultaneously in SWCE equipment	Configuration error, rework module. Check equipment in car or SWP4 part number.
014B	ADLL / lap belt pretensioner	Equipped simultaneously in SWCE equipment	Configuration error, rework module (Volvo cars only).
0154	CAN receive or transmit fault	According to D2 spec	CAN Bus fault
0155	CAN configuration fault	Mismatch between MasterConfig ID and SWCE file	CAN Bus error, rework SRS and check correct H/W part number.
0156	CEM power supply	Difference between CEM and SRS	Incorrect voltage levels from CEM or battery.

Table 2

Module Types P15 (Volante, Roadster and Pre MY08 DB9 and V8 Coupes)

DTC	Tested Subject	Reason for Fault	Probable Cause of the Fault and Action
0001	SRS warning lamp	CAN message: "SRSBulbStatus" reports WL faulty	Check CAN signal from DIM, check DIM and WL connection.
0002	Supplementary Restraint System (SRS) warning lamp	CAN message: SRSBulbStatus timeout	Missing CAN message from DIM to the SRS, check DIM's CAN connection.
0003	Passenger Airbag Disabled (PAD) warning lamp	CAN message: "PADLampStatus" reports Passenger Airbag Disabled (PAD)	Check CAN signal from CEM, check CEM and PAD lamp connection.
0004	Passenger Airbag Disabled (PAD) warning lamp	CAN message: PADLampStatus timeout	Missing CAN message from CEM to SRS, check CEM's CAN connection.
0005	Battery power supply	Low voltage	Flat battery
0006	Battery power supply	High voltage	Lorry or external AC/DC power supply being used.
0010	Squib driver airbag stage 1	Leakage to GROUND	Trapped wire to chassis.
0011	Squib driver airbag stage 1	Leakage to LIVE	Trapped wire to power feed.
0012	Squib driver airbag stage 1	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0013	Squib driver airbag stage 1	Resistance too high	Open connector
0014	Squib driver airbag stage 1	Short circuit to ignition loop	Short circuit between two different squib circuits.
0015	Squib driver airbag stage 1	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0016	Squib driver airbag stage 2	Leakage to GROUND	Trapped wire to chassis.
0017	Squib driver airbag stage 2	Leakage to LIVE	Trapped wire to power feed.
0018	Squib driver airbag stage 2	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0019	Squib driver airbag stage 2	Resistance too high	Open connector.

001A	Squib driver airbag stage 2	short circuit to ignition loop	Short circuit between two different squib circuits.
001B	Squib driver airbag stage 2	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
001C	Squib passenger airbag stage 1	Leakage to GROUND	Trapped wire to chassis.
001D	Squib passenger airbag stage 1	Leakage to LIVE	Trapped wire to power feed.
001E	Squib passenger airbag stage 1	Resistance too low	Pins touching each other on line or connector not pushed in fully.
001F	Squib passenger airbag stage 1	Resistance too high	Open connector.
0020	Squib passenger airbag stage 1	Short circuit to ignition loop	Short circuit between two different squib circuits
0021	Squib passenger airbag stage 1	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0022	Squib passenger airbag stage 2	Leakage to GROUND	Trapped wire to chassis.
0023	Squib passenger airbag stage 2	Leakage to LIVE	Trapped wire to power feed.
0024	Squib passenger airbag stage 2	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0025	Squib passenger airbag stage 2	Resistance too high	Open connector.
0026	Squib passenger airbag stage 2	Short circuit to ignition loop	Short circuit between two different squib circuits.
0027	Squib passenger airbag stage 2	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0028	<i>squib adaptive steering column</i>	<i>Leakage to GROUND</i>	<i>These restraint items and circuits are not used on Aston Martin vehicles</i>
0029	<i>Squib adaptive steering column</i>	<i>Leakage to LIVE</i>	
002A	<i>Squib adaptive steering column</i>	<i>Resistance too low</i>	
002B	<i>Squib adaptive steering column</i>	<i>Resistance too high</i>	
002C	<i>Squib adaptive steering column</i>	<i>Short circuit to ignition loop</i>	
002D	<i>Squib adaptive steering column</i>	<i>Plausibility</i>	

002E	Squib rear left belt pretensioner	Leakage to GROUND	<i>These restraint items and circuits are not used on any Aston Martin 2 door vehicles</i>
002F	Squib rear left belt pretensioner	Leakage to LIVE	
0030	Squib rear left belt pretensioner	Resistance too low	
0031	Squib rear left belt pretensioner	Resistance too high	
0032	Squib rear left belt pretensioner	Short circuit to ignition loop	
0033	Squib rear left belt pretensioner	Plausibility	
0034	Squib rear middle belt pretensioner	Leakage to GROUND	<i>These restraint items and circuits are not used on any Aston Martin 2 door vehicles</i>
0035	Squib rear middle belt pretensioner	Leakage to LIVE	
0036	Squib rear middle belt pretensioner	Resistance too low	
0037	Squib rear middle belt pretensioner	Resistance too high	
0038	Squib rear middle belt pretensioner	Short circuit to ignition loop	
0039	Squib rear middle belt pretensioner	Plausibility	
003A	Squib rear right belt pretensioner	Leakage to GROUND	<i>These restraint items and circuits are not used on any Aston Martin 2 door vehicles</i>
003B	Squib rear right belt pretensioner	Leakage to LIVE	
003C	Squib rear right belt pretensioner	Resistance too low	
003D	Squib rear right belt pretensioner	Resistance too high	
003E	Squib rear right belt pretensioner	Short circuit to ignition loop	
003F	Squib rear right belt pretensioner	Plausibility	

All Vehicles			
0040	Squib left seat side bag	Leakage to GROUND	Trapped wire to chassis.
0041	Squib left seat side bag	Leakage to LIVE	Trapped wire to power feed.
0042	Squib left seat side bag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0043	Squib left seat side bag	Resistance too high	Open connector.
0044	Squib left seat side bag	Short circuit to ignition loop	Short circuit between two different squib circuits.
0045	Squib left seat side bag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0046	Squib right seat side bag	Leakage to GROUND	Trapped wire to chassis.
0047	Squib right seat side bag	Leakage to LIVE	Trapped wire to power feed.
0048	Squib right seat side bag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0049	Squib right seat side bag	Resistance too high	Open connector.
004A	Squib right seat side bag	Short circuit to ignition loop	Short circuit between two different squib circuits.
004B	Squib right seat side bag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Vanquish Volante			
004C	Squib left DMIC bag	Leakage to GROUND	Trapped wire to chassis.
004D	Squib left DMIC bag	Leakage to LIVE	Trapped wire to power feed.
004E	Squib left DMIC bag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
004F	Squib left DMIC bag	Resistance too high	Open connector.
0050	Squib left DMIC bag	Short circuit to ignition loop	Short circuit between two different squib circuits.
0051	Squib left DMIC bag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0052	Squib right DMIC bag	Leakage to GROUND	Trapped wire to chassis
0053	Squib right DMIC bag	Leakage to LIVE	Trapped wire to power feed
0054	Squib right DMIC bag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0055	Squib right DMIC bag	Resistance too high	Open connector
0056	Squib right DMIC bag	Short circuit to ignition loop	Short circuit between two different squib circuits
0057	Squib right DMIC bag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
0058	Squib passenger shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0059	Squib passenger shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
005A	Squib passenger shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
005B	Squib passenger shoulder belt pretensioner	Resistance too high	Open connector.
005C	Squib passenger shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
005D	Squib passenger shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
005E	<i>Squib adaptive load limiter pa.</i>	<i>Leakage to GROUND</i>	<i>These restraint items and circuits are not used on any Aston Martin vehicles</i>
005F	<i>Squib adaptive load limiter pa.</i>	<i>Leakage to LIVE</i>	
0060	<i>Squib adaptive load limiter pa.</i>	<i>Resistance too low</i>	
0061	<i>Squib adaptive load limiter pa.</i>	<i>Resistance too high</i>	
0062	<i>Squib adaptive load limiter pa.</i>	<i>Short circuit to ignition loop</i>	
0063	<i>Squib adaptive load limiter pa.</i>	<i>Plausibility</i>	

All Vehicles			
0064	<i>Squib adaptive load limiter dr.</i>	<i>Leakage to GROUND</i>	<i>These restraint items and circuits are not used on any Aston Martin vehicles</i>
0065	<i>Squib adaptive load limiter dr.</i>	<i>Leakage to LIVE</i>	
0066	<i>Squib adaptive load limiter dr.</i>	<i>Resistance too low</i>	
0067	<i>Squib adaptive load limiter dr.</i>	<i>Resistance too high</i>	
0068	<i>Squib adaptive load limiter dr.</i>	<i>Short circuit to ignition loop</i>	
0069	<i>Squib adaptive load limiter dr.</i>	<i>Plausibility</i>	
006A	Squib driver shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
006B	Squib driver shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
006C	Squib driver shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
006D	Squib driver shoulder belt pretensioner	Resistance too high	Open connector.
006E	Squib driver shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.

Convertible vehicles only			
0070	Squib roll over bar left	Leakage to GROUND	Trapped wire to chassis.
0070	Squib roll over bar left (convertible vehicles only)	Leakage to GROUND	Trapped wire to chassis
0071	Squib roll over bar left (convertible vehicles only)	Leakage to LIVE	Trapped wire to power feed.
0072	Squib roll over bar left (convertible vehicles only)	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0073	Squib roll over bar left (convertible vehicles only)	Resistance too high	Open connector.
0074	Squib roll over bar left (convertible vehicles only)	Short circuit to ignition loop	Short circuit between two different squib circuits.
0075	Squib roll over bar left (convertible vehicles only)	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0076	Squib roll over bar right (convertible vehicles only)	Leakage to GROUND	Trapped wire to chassis.
0077	Squib roll over bar right (convertible vehicles only)	Leakage to LIVE	Trapped wire to power feed.
0078	Squib roll over bar right (convertible vehicles only)	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0079	Squib roll over bar right (convertible vehicles only)	Resistance too high	Open connector.
007A	Squib roll over bar right (convertible vehicles only)	Short circuit to ignition loop	Short circuit between two different squib circuits.
007B	Squib roll over bar right (convertible vehicles only)	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Vanquish Volante, DB9 Volante, 13MY onwards V12 Vantage Roadster 15.5MY onwards (Only applicable to comfort seats not lightweight)			
007C	Squib passenger lap belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
007D	Squib passenger lap belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
007E	Squib passenger lap belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
007F	Squib passenger lap belt pretensioner	Resistance too high	Open connector.
0080	Squib passenger lap belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
0081	Squib passenger lap belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0082	Squib driver lap belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0083	Squib driver lap belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
0084	Squib driver lap belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0085	Squib driver lap belt pretensioner	Resistance too high	Open connector.
0086	Squib driver lap belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
0087	Squib driver lap belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
0090	Belt buckle driver	Short circuit to LIVE	Open circuit or short circuit within or backed out connector at seat.
0091	Belt buckle driver	Open circuit or current not defined	Open circuit or short circuit within or backed out connector at seat.
0092	Belt buckle driver	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
0093	Belt buckle driver	Plausibility	Configuration error: Output has been switched off but part is connected. Software mismatch, check SWP4 part number.
0094	Belt buckle passenger	Short circuit to LIVE	Open circuit or short circuit within or backed out connector at seat.
0095	Belt buckle passenger	Open circuit or current not defined	Open circuit or short circuit within or backed out connector at seat.
0096	Belt buckle passenger	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
0097	Belt buckle passenger	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0098	Belt Buckle	Coupling driver or passenger	Driver passenger belt buckles circuits coupled.
009A	CAN bus belt buckle rear	Signal timeout	Check CAN signal from CEM to SRS, check CEM or belt buckle connector.
009C	Seat track sensor driver	Short circuit to LIVE	Short within or backed out connector at seat.
009D	Seat track sensor driver	Open circuit or current not defined	Short within or backed out connector at seat.
009E	Seat track sensor driver	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
009F	Seat Track Sensor driver	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A0	Seat track sensor passenger	Short circuit to LIVE	Short within or backed out connector at seat.
00A1	Seat track sensor passenger	Open circuit or current not defined	Short within or backed out connector at seat.
00A2	Seat track sensor passenger	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
00A3	Seat track sensor passenger	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A4	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch A short circuit to LIVE	Trapped wire to power feed.
00A5	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Open circuit or switch A undetermined	Open circuit or backed out connector. Check SWP4 part number.

00A6	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch A short circuit to GROUND	Trapped wire to chassis.
00A7	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A8	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch B sc. to LIVE	Trapped wire to power feed.
00A9	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Open circuit or switch B undetermined	Open circuit or backed out connector. Check SWP4 part number.
00AA	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch B short circuit to GROUND	Trapped wire to chassis.
00AB	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch state undetermined	The switch may be stuck halfway between On and Off or is physically broken. Check SWP4 part number.
00B0	Left upfront acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Open connector in circuit.
00B1	Left upfront acceleration sensor communication line	Short circuit to GROUND	Trapped wire to chassis.
00B2	Left upfront acceleration sensor communication line	Short circuit to LIVE	Trapped wire to power feed.
00B3	Left upfront acceleration sensor	Acceleration sensor error	Internal component error, change sensor.
00B4	Left upfront acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00B5	Left upfront acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.
00B9	Right upfront acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00BA	Right upfront acceleration sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00BB	Right upfront acceleration sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00BC	Right upfront acceleration sensor	MRSA5 error	Incorrect sensor fitted, check part number.
00BD	Right upfront acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00BE	Right upfront acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.

00C2	Left door Pressure sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00C3	Left door pressure sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00C4	Left door pressure sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00C5	Left door pressure sensor	MRSA5 error	Incorrect sensor fitted, check part number.
00C6	Left door pressure sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00C7	Left door pressure sensor	Plausibility	Incorrect sensor fitted, check part number.
00CB	Right door pressure sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00CC	Right door pressure sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00CD	Right door pressure sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00CE	Right door pressure sensor	MRSA5 error	Incorrect sensor fitted, check part number.
00CF	Right door pressure sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00D0	Right door pressure sensor	Plausibility	Incorrect sensor fitted, check part number.
00D4	Left side acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00D5	Left side acceleration sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00D6	Left side acceleration sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00D7	Left side acceleration sensor	Acceleration sensor error	Incorrect sensor fitted, check part number.
00D8	Left side acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00D9	Left side acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.
00DD	Right side acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.

00DE	Right side acceleration sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00DF	Right side acceleration sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00E0	Right side acceleration sensor	Acceleration sensor error	Incorrect sensor fitted, check part number.
00E1	Right side acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00E2	Right side acceleration sensor	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

North American specification vehicles only			
0110	OCCUPANT WEIGHT SENSOR (OWS)	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0111	OCCUPANT WEIGHT SENSOR (OWS)	Communication timeout	Short within or backed out connector at seat.
0112	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) not calibrated	Run Calibration procedure for OCCUPANT WEIGHT SENSOR (OWS) system.
0113	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) internal ECU error	Involved in a crash. Change complete OCCUPANT WEIGHT SENSOR (OWS) module.
0114	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) pressure fault	Check individual OCCUPANT WEIGHT SENSOR (OWS) on seat base frame for tightness and integrity. Replace complete base if no issues found and DTC not clearable).
0115	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) BTS	Code does not apply to AML system.
0116	OCCUPANT WEIGHT SENSOR (OWS)	Indeterminate fault	Replace OCCUPANT WEIGHT SENSOR (OWS)
0117	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) mount fault	Code does not apply to AML system.
0118	OCCUPANT WEIGHT SENSOR (OWS)	Illegal bit combination received	Code does not apply to AML system.
0120	CAN-P-L/H	Error bit set	Private CAN bus error, rework or change SRS module

All Vehicles			
0128	CAN signal: CarConfigParametersMS	Timeout	CAN Bus error: Check CEM CAN Bus communication
0129	CAN signal: VehicleSpeed	Timeout	CAN Bus error: Check BCF CAN Bus communication
012A	CAN signal: DoorStatus	Timeout	CAN Bus error: CEM CAN Bus communication
012B	CAN signal: CarConfigParametersMS	CarConfig/SWCE- Equipment file mismatch	Incorrect CEM or SRS configuration.
012C	CAN signal: CarConfigParametersMS	CarConfig/SWCE- Local Parameters file mismatch.	Incorrect car type specified, signal mismatch in CEM or SRS. Check car type broadcasted by CEM in Config file.
012D	CAN signal: PowerMode	Timeout	CAN Bus error: Check CEM CAN Bus communication
0131	VOLCANO	Initialisation of VOLCANO failed	Internal component error, change SRS module
0132	VOODOO	Initialisation of VOODOO failed	Internal component error, change SRS module
013A	Crash Recorder Output (CRO)	Short circuit to GROUND or open line	Open connector in circuit or trapped wire to chassis
013B	Crash telegrams	Three crash events stored	Three crash events occurred, change SRS module.
014A	OCS / PASSENGER AIRBAG CUT-OFF SWITCH (PACOS)	Equipped simultaneously in SWCE equipment, not allowed.	Configuration error, rework module. Check equipment in car or SWP4 part number.
014B	ADLL / lap belt pretensioner	Equipped simultaneously in SWCE equipment	Configuration error, rework module (Volvo cars only).
0154	CAN receive or transmit fault	According to D2 spec	CAN Bus fault
0155	CAN configuration fault	Mismatch between MasterConfig ID and SWCE file	CAN Bus error, rework SRS and check correct H/W part number.
0156	CEM power supply	Difference between CEM and SRS	Incorrect voltage levels from CEM or battery.

Table 3

Module Rapide and Taraf only.

DTC	Tested Subject	Reason for Fault	Probable Cause of the Fault and Action
0001	SRS warning lamp	CAN message: "SRSBulbStatus" reports WL faulty	Check CAN signal from DIM, check DIM and WL connection.
0002	Supplementary Restraint System (SRS) warning lamp	CAN message: SRSBulbStatus timeout	Missing CAN message from DIM to the SRS, check DIM's CAN connection.
0003	Passenger Airbag Disabled (PAD) warning lamp	CAN message: "PADLampStatus" reports Passenger Airbag Disabled (PAD)	Check CAN signal from CEM, check CEM and PAD lamp connection.
0004	Passenger Airbag Disabled (PAD) warning lamp	CAN message: PADLampStatus timeout	Missing CAN message from CEM to SRS, check CEM's CAN connection.
0005	Battery power supply	Low voltage	Flat battery
0006	Battery power supply	High voltage	Lorry or external AC/DC power supply being used.
0010	Squib driver airbag stage 1	Leakage to GROUND	Trapped wire to chassis.
0011	Squib driver airbag stage 1	Leakage to LIVE	Trapped wire to power feed.
0012	Squib driver airbag stage 1	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0013	Squib driver airbag stage 1	Resistance too high	Open connector
0014	Squib driver airbag stage 1	Short circuit to ignition loop	Short circuit between two different squib circuits.
0015	Squib driver airbag stage 1	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0016	Squib driver airbag stage 2	Leakage to GROUND	Trapped wire to chassis.
0017	Squib driver airbag stage 2	Leakage to LIVE	Trapped wire to power feed.
0018	Squib driver airbag stage 2	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0019	Squib driver airbag stage 2	Resistance too high	Open connector.
001A	Squib driver airbag stage 2	short circuit to ignition loop	Short circuit between two different squib circuits.
001B	Squib driver airbag stage 2	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

001C	Squib driver shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
001D	Squib driver shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
001E	Squib driver shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
001F	Squib driver shoulder belt pretensioner	Resistance too high	Open connector.
0020	Squib driver shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits
0021	Squib driver shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0028	Squib rear DMIC (in Door) airbag right.	Leakage to GROUND	Trapped wire to chassis.
0029	Squib rear DMIC (in Door) airbag right	Leakage to LIVE	Trapped wire to power feed.
002A	Squib rear DMIC (in Door) airbag right	Resistance too low	Pins touching each other on line or connector not pushed in fully.
002B	Squib rear DMIC (in Door) airbag right	Resistance too high	Open connector.
002C	Squib rear DMIC (in Door) airbag right	Short circuit to ignition loop	Short circuit between two different squib circuits
002D	Squib rear DMIC (in Door) airbag right	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0034	Squib passenger airbag stage 1	Leakage to GROUND	Trapped wire to chassis.
0035	Squib passenger airbag stage 1	Leakage to LIVE	Trapped wire to power feed.
0036	Squib passenger airbag stage 1	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0037	Squib passenger airbag stage 1	Resistance too high	Open connector.
0038	Squib passenger airbag stage 1	Short circuit to ignition loop	Short circuit between two different squib circuits
0039	Squib passenger airbag stage 1	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

003A	Squib passenger airbag stage 2	Leakage to GROUND	Trapped wire to chassis.
003B		Leakage to LIVE	Trapped wire to power feed.
003C	Squib passenger airbag stage 2	Resistance too low	Pins touching each other on line or connector not pushed in fully.
003D	Squib passenger airbag stage 2	Resistance too high	Open connector.
003E	Squib passenger airbag stage 2	Short circuit to ignition loop	Short circuit between two different squib circuits.
003F	Squib passenger airbag stage 2	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0040	Squib passenger shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0041	Squib passenger shoulder belt pretensioner	Leakage to LIVEs	Trapped wire to power feed.
0042	Squib passenger shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0043	Squib passenger shoulder belt pretensioner	Resistance too high	Open connector.
0044	Squib passenger shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
0045	Squib passenger shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
004C	Squib rear DMIC (in Door) airbag left.	Leakage to GROUND	Trapped wire to chassis.
004D	Squib rear DMIC (in Door) airbag left	Leakage to LIVE	Trapped wire to power feed.
004E	Squib rear DMIC (in Door) airbag left	Resistance too low	Pins touching each other on line or connector not pushed in fully.
004F	Squib rear DMIC (in Door) airbag left	Resistance too high	Open connector.
0050	Squib rear DMIC (in Door) airbag left	Short circuit to ignition loop	Short circuit between two different squib circuits.
0051	Squib rear DMIC (in Door) airbag left	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0052	Squib left side seat airbag	Leakage to GROUND	Trapped wire to chassis
0053	Squib left side seat airbag	Leakage to LIVE	Trapped wire to power feed

0054	Squib left side seat airbag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0055	Squib left side seat airbag	Resistance too high	Open connector
0056	Squib left side seat airbag	Short circuit to ignition loop	Short circuit between two different squib circuits
0057	Squib left side seat airbag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0058	Squib right side seat airbag	Leakage to GROUND	Trapped wire to chassis.
0059	Squib right side seat airbag	Leakage to LIVE	Trapped wire to power feed.
005A	Squib right side seat airbag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
005B	Squib right side seat airbag	Resistance too high	Open connector.
005C	Squib right side seat airbag	Short circuit to ignition loop	Short circuit between two different squib circuits.
005D	Squib right side seat airbag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
005E	Squib left front DMIC (in door) airbag	Leakage to GROUND	Trapped wire to chassis.
005F	Squib left front DMIC (in door) airbag	Leakage to LIVE	Trapped wire to power feed.
0060	Squib left front DMIC (in door) airbag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0061	Squib left front DMIC (in door) airbag	Resistance too high	Open connector.
0062	Squib left front DMIC (in door) airbag	Short circuit to ignition loop	Short circuit between two different squib circuits.
0063	Squib left front DMIC (in door) airbag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
0064	Squib right front DMIC (in door) airbag	Leakage to GROUND	Trapped wire to chassis.
0065	Squib right front DMIC (in door) airbag	Leakage to LIVE	Trapped wire to power feed.
0066	Squib right front DMIC (in door) airbag	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0067	Squib right front DMIC (in door) airbag	Resistance too high	Open connector.
0068	Squib right front DMIC (in door) airbag	Short circuit to ignition loop	Short circuit between two different squib circuits.
0069	Squib right front DMIC (in door) airbag	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

Rapide & Taraf			
006A	Squib Rear left shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
006B	Squib Rear left shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
006C	Squib Rear left shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
006D	Squib Rear left shoulder belt pretensioner	Resistance too high	Open connector.
006E	Squib Rear left shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
006F	Squib Rear left shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
<i>0070</i>	<i>Squib rear middle belt pretens.</i>	<i>Leakage to GROUND</i>	<i>These restraint items and circuits are not used on Aston Martin vehicles</i>
<i>0071</i>	<i>Squib rear middle belt pretens.</i>	<i>Leakage to LIVE</i>	
<i>0072</i>	<i>Squib rear middle belt pretens.</i>	<i>Resistance too low</i>	
<i>0073</i>	<i>Squib rear middle belt pretens.</i>	<i>Resistance too high</i>	
<i>0074</i>	<i>Squib rear middle belt pretens.</i>	<i>Short circuit to ignition loop</i>	
<i>0075</i>	<i>Squib rear middle belt pretens.</i>	<i>Plausibility</i>	
0076	Squib Rear Right shoulder belt pretensioner	Leakage to GROUND	Trapped wire to chassis.
0077	Squib Rear Right shoulder belt pretensioner	Leakage to LIVE	Trapped wire to power feed.
0078	Squib Rear Right shoulder belt pretensioner	Resistance too low	Pins touching each other on line or connector not pushed in fully.
0079	Squib Rear Right shoulder belt pretensioner	Resistance too high	Open connector.
007A	Squib Rear Right shoulder belt pretensioner	Short circuit to ignition loop	Short circuit between two different squib circuits.
007B	Squib Rear Right shoulder belt pretensioner	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

All Vehicles			
0090	Belt buckle driver	Short circuit to LIVE	Open circuit or short circuit within or backed out connector at seat.
0091	Belt buckle driver	Open circuit or current not defined	Open circuit or short circuit within or backed out connector at seat.
0092	Belt buckle driver	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
0093	Belt buckle driver	Plausibility	Configuration error: Output has been switched off but part is connected. Software mismatch, check SWP4 part number.
0094	Belt buckle passenger	Short circuit to LIVE	Open circuit or short circuit within or backed out connector at seat.
0095	Belt buckle passenger	Open circuit or current not defined	Open circuit or short circuit within or backed out connector at seat.
0096	Belt buckle passenger	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
0097	Belt buckle passenger	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0098	Belt Buckle	Coupling driver or passenger	Driver passenger belt buckles circuits coupled.
009A	CAN bus belt buckle rear	Signal timeout	Check CAN signal from CEM to SRS, check CEM or belt buckle connector.
009C	Seat track sensor driver	Short circuit to LIVE	Short within or backed out connector at seat.
009D	Seat track sensor driver	Open circuit or current not defined	Short within or backed out connector at seat.
009E	Seat track sensor driver	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
009F	Seat Track Sensor driver	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A0	Seat track sensor passenger	Short circuit to LIVE	Short within or backed out connector at seat.
00A1	Seat track sensor passenger	Open circuit or current not defined	Short within or backed out connector at seat.
00A2	Seat track sensor passenger	Short circuit to GROUND or coupling fault	Trapped wire to chassis.
00A3	Seat track sensor passenger	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.

00A4	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch A short circuit to LIVE	Trapped wire to power feed.
00A5	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Open circuit or switch A undetermined	Open circuit or backed out connector. Check SWP4 part number.
00A6	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch A short circuit to GROUND	Trapped wire to chassis.
00A7	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00A8	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch B sc. to LIVE	Trapped wire to power feed.
00A9	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Open circuit or switch B undetermined	Open circuit or backed out connector. Check SWP4 part number.
00AA	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch B short circuit to GROUND	Trapped wire to chassis.
00AB	PASSENGER AIRBAG CUT-OFF SWITCH (PACOS) sensor	Switch state undetermined	The switch may be stuck halfway between On and Off or is physically broken. Check SWP4 part number.
00B0	Left B-pillar SENSOR com. line	Open circuit / no new data /Manchester/ parity error	Open connector in circuit
00B1	Left B-pillar SENSOR com. line	Short circuit to GROUND	Trapped wire to chassis
00B2	Left B-pillar SENSOR com. line	Short circuit to LIVE	Trapped wire to power feed
00B3	Left B-pillar SENSOR	Acceleration sensor error	Internal component error, change sensor.
00B4	Left B-pillar SENSOR	Wrong measurement range	Incorrect sensor fitted, check part number.

Rapide & Taraf			
00B5	Left B-pillar SENSOR	Plausibility	Incorrect sensor fitted, check part number.
00B9	Left C-pillar SENSOR com. line	Open circuit / no new data / Manchester / parity error	Open connector in circuit
00BA	Left C-pillar SENSOR com. line	Short circuit to GROUND	Trapped wire to chassis
00BB	Left C-pillar SENSOR com. line	Short circuit to LIVE	Trapped wire to power feed
00BC	Left C-pillar SENSOR	MRSA5 error	Incorrect sensor fitted, check part number.
00BD	Left C-pillar SENSOR	Wrong measurement range	Incorrect sensor fitted, check part number.
00BE	Left C-pillar SENSOR	Plausibility	Incorrect sensor fitted, check part number.

All Vehicles			
00C2	Right B-pillar SENSOR com. line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00C3	Right B-pillar SENSOR com. line	Short circuit to GROUND	Trapped wire to power feed.
00C4	Right B-pillar SENSOR com. line	Short circuit to LIVE	Open circuit or backed out connector. Check SWP4 part number.
00C5	Right B-pillar SENSOR	MRSA5 error	Trapped wire to chassis.
00C6	Right B-pillar SENSOR	Wrong measurement range	Incorrect sensor fitted, check part number.
00C7	Right B-pillar SENSOR	Plausibility	Incorrect sensor fitted, check part number.

Rapide & Taraf			
00CB	Right C pillar acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Trapped wire to power feed.
00CC	Right C pillar acceleration sensor communication line	Short circuit to GROUND	Open circuit or backed out connector. Check SWP4 part number.
00CD	Right C pillar acceleration sensor communication line	Short circuit to LIVE	Trapped wire to chassis.
00CE	Right C pillar acceleration sensor	MRSA5 error	Faulty sensor fitted.
00CF	Right C pillar acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00D0	Right C pillar acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.

All Vehicles			
00D4	Left up front acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Trapped wire to power feed.
00D5	Left up front acceleration sensor communication line	Short circuit to GROUND	Open circuit or backed out connector. Check SWP4 part number.
00D6	Left up front acceleration sensor communication line	Short circuit to LIVE	Trapped wire to chassis.
00D7	Left up front acceleration sensor	Acceleration sensor error	Incorrect sensor fitted, check part number.
00D8	Left up front acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00D9	Left up front acceleration sensor	Plausibility	Incorrect sensor fitted, check part number.
00DD	Right up front acceleration sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00DE	Right up front acceleration sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00DF	Right up front acceleration sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00E0	Right up front acceleration sensor	Acceleration sensor error	Incorrect sensor fitted, check part number.
00E1	Right up front acceleration sensor	Wrong measurement range	Incorrect sensor fitted, check part number.
00E2	Right up front acceleration sensor	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
00E6	Left door Pressure sensor communication line	Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number.
00E7	Left door pressure sensor communication line	Short circuit to GROUND	Incorrect sensor fitted, check part number.
00E8	Left door pressure sensor communication line	Short circuit to LIVE	Incorrect sensor fitted, check part number.
00E9	Left door pressure sensor	MRSA5 error	Incorrect sensor fitted, check part number.
00EA	Left door pressure sensor	Wrong measurement range	Incorrect sensor fitted, check part number.

00EB	Left door pressure sensor	Plausibility	Incorrect sensor fitted, check part number.
00EF	Right door pressure sensor communication line Right door pressure sensor communication line	Short circuit to GROUND Open circuit / no new data / Manchester / parity error	Incorrect sensor fitted, check part number. Incorrect sensor fitted, check part number.
00F0	Right door pressure sensor communication line Right door pressure sensor communication line	Short circuit to LIVE Short circuit to GROUND	Incorrect sensor fitted, check part number. Incorrect sensor fitted, check part number.
00F1	Right door pressure sensor Right door pressure sensor communication line	MRSA5 error Short circuit to LIVE	Incorrect sensor fitted, check part number. Incorrect sensor fitted, check part number.
00F2	Right door pressure sensor Right door pressure sensor	Wrong measurement range MRSA5 error	Incorrect sensor fitted, check part number. Incorrect sensor fitted, check part number.
00F3	Right door pressure sensor Right door pressure sensor	Plausibility Wrong measurement range	Incorrect sensor fitted, check part number. Incorrect sensor fitted, check part number.
00F4	Right door pressure sensor	Plausibility	Incorrect sensor fitted, check part number.

North American specification vehicles only			
0110	OCCUPANT WEIGHT SENSOR (OWS)	Plausibility	Configuration error: Output has been switched off in the software but part is connected. Software mismatch, check SWP4 part number with AM engineering.
0111	OCCUPANT WEIGHT SENSOR (OWS)	Communication timeout	Short within or backed out connector at seat.
0112	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) not calibrated	Run Calibration procedure for OCCUPANT WEIGHT SENSOR (OWS) system.
0113	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) internal ECU error	Involved in a crash. Change complete OCCUPANT WEIGHT SENSOR (OWS) module.
0114	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) pressure fault	Check individual OCCUPANT WEIGHT SENSOR (OWS) on seat base frame for tightness and integrity. Replace complete base if no issues found and DTC not clearable.
0115	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) BTS	Code does not apply to AML system.
0116	OCCUPANT WEIGHT SENSOR (OWS)	Indeterminate fault	Replace OCCUPANT WEIGHT SENSOR (OWS)
0117	OCCUPANT WEIGHT SENSOR (OWS)	OCCUPANT WEIGHT SENSOR (OWS) mount fault	Code does not apply to AML system.
0118	OCCUPANT WEIGHT SENSOR (OWS)	Illegal bit combination received	Code does not apply to AML system.
0120	CAN-P-L/H	Error bit set	Private CAN bus error, rework or change SRS module

All Vehicles			
0128	CAN signal: CarConfigParametersMS	Timeout	CAN Bus error: Check CEM CAN Bus communication
0129	CAN signal: VehicleSpeed	Timeout	CAN Bus error: Check BCF CAN Bus communication
012A	CAN signal: DoorStatus	Timeout	CAN Bus error: CEM CAN Bus communication
012B	CAN signal: CarConfigParametersMS	CarConfig/SWCE- Equipment file mismatch	Incorrect CEM or SRS configuration.
012C	CAN signal: CarConfigParametersMS	CarConfig/SWCE- Local Parameters file mismatch.	Incorrect car type specified, signal mismatch in CEM or SRS. Check car type broadcasted by CEM.
012D	CAN signal: PowerMode	Timeout	CAN Bus error: Check CEM CAN Bus communication
0131	VOLCANO	Initialisation of VOLCANO failed	Internal component error, change SRS module
0132	VOODOO	Initialisation of VOODOO failed	Internal component error, change SRS module
013A	Crash Recorder Output (CRO)	Short circuit to GROUND or open line	Open connector in circuit or trapped wire to chassis
013B	Crash telegrams	Three crash events stored	Three crash events occurred, change SRS module.
014A	OCS / PASSENGER AIRBAG CUT-OFF SWITCH (PACOS)	Equipped simultaneously in SWCE equipment	Configuration error, rework module. Check equipment in car or SWP4 part number.
014B	ADLL / lap belt pretensioner	Equipped simultaneously in SWCE equipment	Configuration error, rework module (Volvo cars only).
0154	CAN receive or transmit fault	According to D2 spec	CAN Bus fault
0155	CAN configuration fault	Mismatch between MasterConfig ID and SWCE file	CAN Bus error, rework SRS and check correct H/W part number.
0156	CEM power supply	Difference between MEC and SRS	Incorrect voltage levels from CEM or battery.

Table 4

Replacement/Supersession overview

P1X RCM PART NUMBER AND REPLACEMENTS

Type Temic	Type Volvo	AML Model application (not a complete list!)	Volvo Part number (& SW embedded)	AML Part Number (AS PER ENGINEERING RELEASE)	Preferred supersession (IF AVAILABLE FROM STOCK)	CURRENT AVAILABLE REPLACEMENT
F4	P11/12	VH100	8697679	08697679	08697679	DD33-14C246-AA
		VH100 & VH130	30724427	30724427	30773401	
			30724652	30724652	30773401	
			30773059	30773059	30773401	
			30773401	30773401	30773401	
			30773401	30773401	30773401	
F7	P14	VH104 1PP on	30724045	30724045	30724045	DD33-14C246-AA
		VH300 HTFB on	30773786	30773786	31334738	
		VH106 PP on	30773786	30773786	31334738	
		VH206 CP3 on	30773786	30773786	31334738	
F8	P14	VH100, VH106, VH107, VH108, VH130, VH206, VH208, VH280, VH282, VH300, VH302, VH304,	31295109	31295109	31334738	DD33-14C246-AA
			31334738	31334738	31334738	
FC	P14	VH288	3115800AAA	DD33-14C246-AA	DD33-14C246-AA	DD33-14C246-AA
		VH311,312,314, VH289	3115800AAA	DD33-14C246-AA	DD33-14C246-AA	

F5	P15	<i>Not used by AML according to records</i>	50269266			
		Unknown	50412861	50412861	50412861	CG43-37-11330
			50425979	50425979	50425979	
			50429894	50429894	50429894	
		<i>Not used by AML according to records</i>	30658604			
		Unknown inc VH20X	30773219	30773219	30773219	CG43-37-11330
		VH134 1PP on	30795181	30795181	30795181	
		VH104 1PP on	30795181	30795181	30795181	
		VH200	30773354	30773354	30795181	
		VH202	30795181	30795181	30795181	
		VH230 CP	30773354	30773354	30795181	
		VH230 1PP on	30795181	30795181	30795181	
		VH205 Job 1	30795181	30795181	30795181	
		VH231 Job 1	30795181	30795181	30795181	

F9	P15 1007	VH205 Job 1 +~4 wks running change	30773787	30773787	31264943	CG43-37-11330
		VH231 Job 1 +~4 wks running change,	30773787	30773787	31264943	
		VH105	30773787	30773787	31264943	
		VH135	30773787	30773787	31264943	
		VH136, VH232, VH330	31264943	31264943	31264943	
		VH240/272, VH242/276, VH243/277, VH 295, VH296	31334739	31334739	31334739	
		VH134, VH138, VH104, VH105, VH200, VH202, VH205, VH230, VH231,	31295796	31295796	31295796	
		VH144, VH146, VH148, VH332, VH340, VH342, VH344	31334739	31334739	31334739	
FC	AML VH400	VH400	4005800AAA	AD43-14C246-AA	DD43-14C246-AA	DD43-14C246-AA
			4005800AAB	AD43-14C246-AB	DD43-14C246-AA	DD43-14C246-AA
		VH406, VH408, VH410	4065800AAA	DD43-14C246-AA	DD43-14C246-AA	DD43-14C246-AA

Note: *Where the level of RCM part to be replaced is a very early level, i.e. P11, then the SW set has to be checked for compatibility to the current production P1X module.*

List of acronyms

<i>ADLL</i>	<i>Adaptive Load Limiter (not used by AML)</i>
BCF	Body Controller Front
CAN	Controller Area Network
CEM	Central Electronic Module
CRO	Crash Recorder Output (analogue signal)
DIM	Driver Information Module
DMIC	Door Mounted Inflatable Curtain
GROUND	GROUND
OCS	Occupant Classification System (see below)
OCCUPANT WEIGHT SENSOR (OWS)	Occupant Weight Sensor
<i>BTS</i>	<i>Belt Tension Sensor (not used by AML)</i>
PASSENGER AIRBAG CUT-OFF SWITCH (PACOS)	Passenger Airbag Cut Off Switch
PAD	Passenger Airbag Disabled
SRS	Supplementary Restraint System
SWCE	Software Configuration Equipment
VOODOO	Volvo on Board Diagnostics Operating Software
VOLCANO	Volvo CAN-based Operating System
WL	Warning Lamp

If you have any questions related to the Restraint Control Module Diagnosis Manual, please contact: Aston Martin Technical Services on: +44 (0) 1926 644720, email: amtech@astonmartin.com, or contact your After Sales Manager.