

SERVICE BULLETIN

To: For the attention of: Please copy to:	All Dealers Service Manager/After Sales Manager Dealer Principal Warranty Administrator Aston Martin Technician(s) Parts Manager	Reference SB-04-0363V2 Issued: 20 January 2014
Model:	DB9 (Pre-13MY), DB9 Sportspack (Pre-10.75MY), DB9 (13MY onwards), Virage, DBS Coupe, DBS Volante, V8 Vantage 4.3L (Pre-09MY), V8 Vantage 4.7L (09MY onwards), V8 Vantage S, V12 Vantage, V12 Vantage S, Vanquish (13MY onwards), Rapide, Rapide S, V12 Zagato, V8 Zagato, One-77	Page 1 of 6
VIN Range:	All	
Subject:	Suspension Geometry Data For All Current Production Vehicles.	

Reason for Version 2 of this Service Bulletin (SB-04-0363).

More information has been added to get the correct adjustment. Changes to this document have a black line against them in the left margin. Please destroy all copies of SB-04-0363 that you have and replace them with this Service Bulletin SB-04-0363V2.

Reason for this Service Bulletin

This Service Bulletin gives the available geometry data for all current Aston Martin vehicles.

Workshop Procedure

These initial conditions are necessary to get the correct results:	
V8 Vantage 4.3L (Pre-09MY), V8 Vantage 4.7L (09MY onwards), V8 Vantage S, V12 Vantage, V12 Vantage S, V12 Zagato, V8 Zagato, One-77	DB9 (Pre-13MY), DB9 Sportspack (Pre-10.75MY), DB9 (13MY onwards), Virage, DBS Coupe, DBS Volante, Vanquish (13MY onwards), Rapide, Rapide S
• A full tank of fuel • All fluids at the correct level • A 37.5 kg weight in the right side front seat • A 37.5 kg weight in the left side front seat.	• A full tank of fuel • All fluids at the correct level • A 68 kg weight in the right side front seat • A 68 kg weight in the left side front seat. • A 14 kg weight in the luggage compartment.

1. Do a check and if necessary, adjust the Four-Wheel Alignment (refer to Workshop Manual procedure 04.00.AD). Refer to the tables that follow for the applicable vehicle geometry settings:

	DB9 (Pre-13MY)			DB9 Sportspack (Pre-10.75MY)		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	2.5	2	2	2.5	2	2
Total Toe (in minutes)	5	4	4	5	4	4
Camber (in minutes)	-15	5	5	-15	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	5	0	10	5	0
Total Toe (in minutes)	20	10	0	20	10	0
Camber (in minutes)	-90	5	5	-105	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	DB9 (13MY onwards)			Virage		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	-4	2	2	-4	2	2
Total Toe (in minutes)	-8	4	4	-8	4	4
Camber (in minutes)	-15	5	5	-15	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	2.5	2.5	10	5	0
Total Toe (in minutes)	20	5	5	20	10	0
Camber (in minutes)	-90	5	5	-105	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	DBS Coupe			DBS Volante		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	2.5	2	2	-4	2	2
Total Toe (in minutes)	5	4	4	-8	4	4
Camber (in minutes)	-15	5	5	-15	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	5	0	10	5	0
Total Toe (in minutes)	20	10	0	20	10	0
Camber (in minutes)	-105	5	5	-105	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	V8 Vantage 4.3L (Pre-09MY)			V8 Vantage 4.7L (09MY onwards), V8 Vantage S		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	3	2	2	-4	2	2
Total Toe (in minutes)	6	4	4	-8	4	4
Camber (in minutes)	-30	5	5	-30	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	5	0	10	5	0
Total Toe (in minutes)	20	10	0	20	10	0
Camber (in minutes)	-105	5	5	-105	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	V12 Vantage			V12 Vantage S		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	-4	2	2	-4	2	2
Total Toe (in minutes)	-8	4	4	-8	4	4
Camber (in minutes)	-30	5	5	-30	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	5	0	15	2.5	2.5
Total Toe (in minutes)	20	10	0	30	5	5
Camber (in minutes)	-90	5	5	-90	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	Vanquish (13MY onwards)			Rapide, Rapide S		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	-4	2	2	-4	2	2
Total Toe (in minutes)	-8	4	4	-8	4	4
Camber (in minutes)	-15	5	5	-15	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	2.5	2.5	10	5	0
Total Toe (in minutes)	20	5	5	20	10	0
Camber (in minutes)	-90	5	5	-90	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	V12 Zagato			V8 Zagato		
	Nom'	Tolerance		Nom'	Tolerance	
Front		+	-		+	-
Toe (in minutes)	-4	2	2	-4	2	2
Total Toe (in minutes)	-8	4	4	-8	4	4
Camber (in minutes)	-30	5	5	-30	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Caster (in degrees)	5	0.5	0.25	5	0.5	0.25
Caster difference (in degrees)	0	0.25	0.25	0	0.25	0.25
Rear		+	-		+	-
Toe (in minutes)	10	5	0	10	5	0
Total Toe (in minutes)	20	10	0	20	10	0
Camber (in minutes)	-90	5	5	-105	5	5
Camber difference (in minutes)	0	10	10	0	10	10
Thrust Angle (in minutes)	0	2.5	2.5	0	2.5	2.5

	One-77		
	Nom'	Tolerance	
Front		+	-
Toe (in minutes)	0	1	1
Total Toe (in minutes)	0	2	2
Camber (in minutes)	-15	1.5	1.5
Camber difference (in minutes)	0	5	5
Caster (in degrees)	4.75	0.25	0.25
Caster difference (in degrees)	0	0.25	0.25
Rear		+	-
Toe (in minutes)	5	1.5	1.5
Total Toe (in minutes)	10	3	3
Camber (in minutes)	-75	1.5	1.5
Camber difference (in minutes)	0	5	5
Thrust Angle (in minutes)	0	1.5	1.5

Warranty Data

Description	Model:	Labour Time	ROT Code
Do a check and if necessary adjust the four wheel alignment	DB9 (Pre-13MY), DB9 Sportspack (Pre-10.75MY), DB9 (13MY onwards), Virage, DBS Coupe, DBS Volante, V8 Vantage 4.3L (Pre-09MY), V8 Vantage 4.7L (09MY onwards), V8 Vantage S, V12 Vantage, V12 Vantage S, Vanquish (13MY onwards), Rapide, V12 Zagato, V8 Zagato, One-77	1.35 hours.	04.00.AD

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