



## Installation Procedures

### B5S4 Brake Bias Chart

**This tutorial is provided as a courtesy by ECS Tuning.**

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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B5 S4		Rotor Info						Caliper Info				BIAS			System Torque		
		Front Dia.	Effective Radius	Rear Dia.	Effective Radius	Major	Minor	Piston Area	Front	Rear	Front	Rear	% distribution	Ratio (F/R)	Delta Stock	torque	$\Delta$ torque vs stock
OEM	OE Front / OE Rear	321.0	187.6	131.5	255.0	163.0	107.0	2769.5	1319.0	7.281E+05	2.823E+05	72.1%	27.9%	2.6	0.0%	1.0E+06	0.0%
	OE RS4 Front and Rear	360.0	226.6	150.4	312.0	228.0	136.6	2747.5	1319.0	8.264E+05	3.604E+05	69.6%	30.4%	2.3	-3.4%	1.2E+06	17.5%
	OE RS6 Front	365.0	231.0	152.7	255.0	163.0	107.0	2838.6	1319.0	8.670E+05	2.823E+05	75.4%	24.6%	3.1	4.7%	1.1E+06	13.7%
ECS Tuning	<b>Stage 3</b>	321.0	193.0	132.4	255.0	163.0	107.0	2402.1	1319.0	6.362E+05	2.823E+05	69.3%	30.7%	2.3	-3.9%	9.2E+05	-9.1%
	<b>Stage 4</b>	352.4	218.4	146.6	255.0	163.0	107.0	2747.5	1319.0	8.055E+05	2.823E+05	74.0%	26.0%	2.9	2.8%	1.1E+06	7.7%
Stop Tech	332mm Rotor (early) (no longer sold, recalled by stoptech)	332.0	232.0	143.2	255.0	163.0	107.0	1522.9	1319.0	4.362E+05	2.823E+05	60.7%	39.3%	1.5	-15.8%	7.2E+05	-28.9%
	332mm Rotor (late)	332.0	232.0	143.2	255.0	163.0	107.0	2273.4	1319.0	6.511E+05	2.823E+05	69.8%	30.2%	2.3	-3.2%	9.3E+05	-7.6%
Stasis	Type B Alcon 355 (no longer produced)	355.0	220.0	147.7	255.0	163.0	107.0	2839.3	1319.0	8.385E+05	2.823E+05	74.8%	25.2%	3.0	3.8%	1.1E+06	10.9%
	Type B Alcon 332 (no longer produced)	332.0	232.0	143.2	255.0	163.0	107.0	2839.3	1319.0	8.132E+05	2.823E+05	74.2%	25.8%	2.9	3.0%	1.1E+06	8.4%
	4P Alcon Monobloc 355mm	355.0	220.0	147.7	255.0	163.0	107.0	2478.5	1319.0	7.319E+05	2.823E+05	72.2%	27.8%	2.6	0.1%	1.0E+06	0.4%
	4P Alcon Monobloc 332mm	332.0	232.0	143.2	255.0	163.0	107.0	2478.5	1319.0	7.098E+05	2.823E+05	71.5%	28.5%	2.5	-0.7%	9.9E+05	-1.8%
	6P Alcon Monobloc 355mm	355.0	220.0	147.7	255.0	163.0	107.0	2811.6	1319.0	8.303E+05	2.823E+05	74.6%	25.4%	2.9	3.6%	1.1E+06	10.1%
	6P Alcon Monobloc 332mm	332.0	232.0	143.2	255.0	163.0	107.0	2811.6	1319.0	8.052E+05	2.823E+05	74.0%	26.0%	2.9	2.7%	1.1E+06	7.6%
AP	AP Racing CP5570	330.0	228.4	141.9	255.0	163.0	107.0	2505.6	1319.0	7.110E+05	2.823E+05	71.6%	28.4%	2.5	-0.7%	9.9E+05	-1.7%

Audi S4  
OE Rear Caliper and Rotor\* unless noted



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