

Hock Wah Motor Workshop PTE LTD

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Customer:		Date:	8/8/2024 5:31:45 PM
Company:		VIN:	
License No:	SNC 9119 B	Technician:	
Odometer:		Order No.:	

VEHICLE ALIGNMENT REPORT

BMW 2 SERIES (F22) RWD M235i Standard Suspension(Custom), 14-17,

Primary Angles		Initial	Specifications		Final	
			Min.	Max.		
Front	Caster	Left	3.6°	-----	3.8°	
		Right	3.0°	-----	4.4°	
	Camber	Left	-0.9°	-1.3°	-0.5°	-0.7°
		Right	-0.6°	-1.3°	-0.5°	-0.5°
	Toe	Left	-0.7	0.5mm	0.9mm	0.5
		Right	1.7	0.5mm	0.9mm	0.4
		Total	1.0	1.0	1.8	0.9
	Camber	Left	-2.6°	-1.8°	-1.7°	-2.4°
		Right	-2.7°	-1.8°	-1.7°	-2.5°
	Rear	Toe	Left	1.3	0.7mm	1.1mm
Right			-1.2	0.7mm	1.1mm	-1.6
Total			0.1	1.4	2.2	-0.5
Thrust Angle		-0.2°	-0.2°	0.2°	-0.2°	
Secondary Angles		Initial	Specifications		Final	
			Min.	Max.		
Caster	Left	13.0°	-----	-----	13.0°	
	Right	16.8°	-----	-----	16.8°	
Included Angle	Left	12.1°	-----	-----	12.3°	
	Right	16.2°	-----	-----	16.3°	
Toe Out On Turns	Left	1.6°	1.5°	1.5°	1.6°	
	Right	1.7°	1.5°	1.5°	1.7°	
Ackerman Turns	Left	-----	39.8°	39.8°	-----	
	Right	-----	39.8°	39.8°	-----	
Steering Curve Change	Left	-----	-----	-----	-----	
	Right	-----	-----	-----	-----	
Subrack	Front	0.1"	-----	-----	0.1"	
	Rear	-0.5"	-----	-----	-0.5"	
Track Width Diff		-0.4"	-----	-----	0.3"	
AA (Track Diff)		0.6"	-----	-----	0.6"	
Front Ride Height	Left	-----	23.5"	24.3"	-----	
	Right	-----	23.5"	24.3"	-----	
Rear Ride Height	Left	-----	23.3"	24.1"	-----	
	Right	-----	23.3"	24.1"	-----	
Frame Angle		11	-----	-----	-----	