

2019 Subaru WRX® Specifications

Engine	4-cylinder, horizontally opposed (BOXER), turbocharged/intercooled, aluminum cylinder heads and block		
Displacement	1,998 cc		
Bore x Stroke	86 mm x 86 mm		
Compression ratio	10.6:1		
Horsepower	268@5,600 rpm		
Torque lb-ft	258@2,000-5,200 rpm		
Valvetrain	Chain driven Double Overhead Camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (AVCS) variable valve timing on intake and exhaust valves		
Fuel / Induction	Gasoline Direct Injection (GDI), Electronic Throttle Control (ETC), twin-scroll turbocharger with intercooler		
Maximum boost	15.9 PSI		
Fuel requirement	91 AKI required		
Drivetrain			
Transmission	Standard: 6-speed manual Optional: Sport Lineartronic™ CVT features SI-DRIVE performance management with 6-speed and 8-speed manual shifting modes and steering wheel paddle shift switches		
M/T AWD system	Continuous All-Wheel Drive with viscous-coupling locking center differential and nominal 50:50 torque split; transfers more torque to wheels with best traction		
A/T AWD system	Variable Torque Distribution (VTD) with planetary gear-type center differential and an electronically controlled hydraulic transfer clutch, 45:55 nominal torque split; transfers more torque to wheels with best traction		
Transmission ratios	6-speed manual	Sport Lineartronic™ CVT	
		6 ratios (Intelligent and Sport modes)	8 ratios (Sport Sharp mode)
	1	3.454	3.505
	2	1.947	2.405
	3	1.296	1.855
	4	0.972	1.544
	5	0.780	1.258
	6	0.666	1.032
	7	--	0.856
	8	--	0.716
	R	3.636	2.345
Final drive ratio	4.111	3.900	
Stability/traction control	Vehicle Dynamics Control with all-wheel, all-speed traction control and Active Torque Vectoring		
Chassis			
Suspension	4-wheel independent; sport-tuned plus special chassis reinforcements		
	Front	MacPherson-type struts (inverted struts for Premium and Limited) aluminum lower L-arms with pillow ball mounts and bushings, coil springs and stabilizer bar	
	Rear	Double wishbone with subframe, pillow ball bushings for lower lateral links, coil springs and stabilizer bar	

Brakes	Power-assisted 4-wheel disc with Electronic Brake-force Distribution (EBD) and 4-channel / 4-sensor ABS, Brake Assist and Brake Override (plus switch-activated Electronic Parking Brake and Auto Vehicle Hold with EyeSight option)
Front	12.4-inch ventilated discs dual-piston calipers
Rear	11.3-inch solid discs, single-piston calipers (11.8-inch with EyeSight option)
Steering	Rack-and-pinion with electric power assist
Ratio	Base: 14.3:1 Premium, Limited and Series.Gray: 14.4:1
Turns, lock-to-lock	Base: 2.8 base Premium, Limited and Series.Gray: 2.7
Turning circle	Base: 35.4 ft Premium, Limited and Series.Gray: 36.0 ft
Wheels	<u>WRX</u> 17 x 8-inch aluminum alloy in dark gray finish <u>WRX Premium and Limited</u> 18 x 8.5-inch aluminum alloy in dark gray finish <u>WRX Series.Gray</u> 18 x 8.5-inch aluminum alloy in black finish
Tires	<u>WRX</u> 235/45R17 94W summer performance <u>WRX Premium, Limited and Series.Gray</u> 245/40R18 97W summer performance
Exterior Dimensions (in.)	
Wheelbase	104.3
Length	180.9
Height	58.1
Width	70.7
Track (front /rear)	60.2 in. / 60.6 in.
Road clearance	4.9 in.
Base curb weight (lb.)	WRX: 3,294 WRX Premium: 3,336 WRX Series.Gray: 3,340 WRX Limited: 3,371WRX Premium with Sport Lineartronic™ CVT: 3,488 WRX Limited with Sport Lineartronic™ CVT: 3,512
Interior Dimensions (in.)	
Headroom	Front: 39.8 With moonroof: 37.2 Rear: 37.1
Legroom	Front: 43.3 Rear: 35.4
Hip room	Front: 52.1 Rear: 53.1
Shoulder room	Front: 55.6 Rear: 54.2
EPA passenger volume	96.6 cu. ft. With moonroof: 93.1 cu. ft.
Trunk capacity	12.0 cu. ft.
Trunk liftover height	27.0
EPA City/highway/combined	6-speed manual: 21/27/23 Sport Lineartronic® CVT: 18/24/21
Fuel capacity	15.9 gal.