

2016 Subaru WRX®

Specifications

Engine	4-cylinder, horizontally opposed (BOXER), turbocharged/intercooled, aluminum cylinder block and heads			
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	Double overhead chain-driven 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 recommended; performance will be reduced with 87 AKI			
Drivetrain				
Transmission	Standard: 6-speed manual Optional: Sport Lineartronic™ 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		
		6 ratios (Intelligent and Sport modes)	8 ratios (Sport Sharp mode)	
	1	3.454	3.505	3.505
	2	1.947	2.238	2.405
	3	1.296	1.641	1.855
	4	0.972	1.194	1.544
	5	0.780	0.880	1.258
	6	0.666	0.611	1.032
	7	--	--	0.856
	8	--	--	0.716
	R	3.636	2.345	
Final drive ratio	4.11	3.90		
Stability/traction control	Vehicle Dynamics Control with all-wheel, all-speed traction control and Active Torque Vectoring			
Chassis				
Unitized body construction, Ring-Shaped Reinforcement Frame safety structure				
Suspension	4-wheel independent; sport-tuned plus special chassis reinforcements			
Front	MacPherson-type struts, aluminum lower L-arms with pillow ball mounts and bushings, coil springs and stabilizer bar Inverted struts (WRX Premium, WRX Limited)			
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			

Front	12.4-inch ventilated discs dual-piston calipers
Rear	11.3-inch solid discs, single-piston calipers
Steering	Rack-and-pinion with electric power assist
Ratio	14.3:1 (WRX) 14.4:1 (WRX Premium, WRX Limited)
Turns, lock-to-lock	2.8 (WRX) 2.7 (WRX Premium, WRX Limited)
Turning circle	35.4 ft. (WRX) 36.0 ft. (WRX Premium, WRX Limited)
Wheels	17 x 8J aluminum alloy (WRX) 18 x 8.5J aluminum alloy (WRX Premium, WRX Limited)
Tires	235/45 R17 94W summer performance (WRX) 245/40 R17 97W summer performance (WRX Premium, WRX Limited)
Exterior Dimensions (in.)	
Wheelbase	104.3
Length	180.9
Width	70.7
Height	58.1
Base curb weight (lbs.)	WRX with 6-speed manual transmission: 3,269 lbs. WRX Premium with Sport Lineartronic: 3,450 lbs.
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 estimated fuel economy	City/highway/combined 6-speed manual: 20/27/23 Sport Lineartronic: 19/21/25
Fuel capacity	15.9 gal.