

2022 Subaru WRX®

Specifications

Engine	DOHC 4-cylinder SUBARU BOXER high output; aluminum cylinder block and heads; turbocharged with intercooler	
Bore x Stroke	94 x 86mm (3.70 x 3.40 in.)	
Displacement	2,387cc (146 cu. in.)	
Compression ratio	10.6:1	
Valvetrain	Chain-driven camshafts, Dual Active Valve Control System (intake and exhaust valves)	
Fuel/induction	Direct Fuel Injection and Electronic Throttle Control (ETC) system; twin-scroll turbocharger and intercooler	
Max. boost pressure	12.0 psi	
Horsepower	271 hp @ 5,600 rpm	
Torque	258 lb-ft @ 2,000-5,200 rpm	
Fuel requirement	91 AKI recommended for maximum performance	
A/T Oil cooler	External, air cooled (Premium, Limited and GT trim levels)	
Drivetrain		
Transmission	Standard: 6-speed manual, includes Incline Start Assist and SI-DRIVE performance management Standard for GT and optional for others: Subaru Performance Transmission A/T (SPT) with 8-speed manual shifting modes and steering wheel paddle shift switches; Auto Vehicle Hold and SI-DRIVE performance management	
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	Subaru Performance Transmission manual mode ratios
	1 3.455	3.490
	2 1.947	2.031
	3 1.367	1.461
	4 1.029	1.116
	5 0.825	0.903
	6 0.667	0.756
	7 --	0.645
	8 --	0.571
	R 3.636	3.394
Front and rear differential ratio	4.111	4.444
Stability/traction control	Multi-Mode Vehicle Dynamics Control (VDC) with Track Mode; all-wheel Traction Control System (TCS) and Active Torque Vectoring	
Chassis and Body	Subaru Global Platform (SGP) with full inner frame construction with aluminum hood and front fenders Ring-Shaped Reinforcement Frame safety structure	
Suspension	4-wheel independent; sport-tuned WRX GT exclusively features Electronic Adjustable Ride Control with damper settings shown in Drive Mode Select / Center Information Display	

Front	MacPherson-type struts with internal rebound springs; aluminum lower L-arms with pillow ball mounts and bushings, coil springs and stabilizer bar	
	WRX GT: electronic dampers	
Rear	Double wishbone with subframe, pillow ball bushings for lower lateral links, coil springs and stabilizer bar	
	WRX GT: electronic dampers	
Brakes	Mechanical vacuum pump power assist 4-wheel disc brakes; electronic controlled power assisted dual diagonal system - This is the ebooster system only for EyeSight equipped models; 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	11.4-inch ventilated discs, single-piston calipers (11.8-inch with EyeSight option)	
Steering	Quick-ratio electric power assisted rack and dual pinion (EPAS)	
Ratio	13.5:1	
Turns, lock-to-lock	2.5	
Turning circle	36.74 ft. (Base is 36.8)	
Wheels	WRX Base: 17 x 8-inch aluminum alloy in gray finish WRX Premium and Limited: 18 x 8.5-inch aluminum alloy in dark gray finish WRX GT: 18 x 8.5-inch aluminum alloy in matte gray finish	
Tires	WRX Base: 235/45 97W R17 summer performance WRX Premium, Limited and GT: 245/40R18 97W summer performance	
Exterior Dimensions (in.)		
Wheelbase	105.2	
Length	183.8	
Height	57.8	
Width	71.9 With mirrors: 79.3 Limited and WRX GT with mirrors (integrated turn signals): 79.6	
Track (front /rear)	61.4 in. / 61.8 in.	
Road clearance	5.4 in.	
Base curb weight (lbs.)	6-speed manual transmission WRX Base: 3,297 WRX Premium: 3,320 WRX Limited: 3,390	Subaru Performance Transmission A/T WRX Base: 3,431 WRX Premium: 3,457 WRX Limited: 3,529 WRX GT: 3,534
Interior Dimensions (in.)		
Headroom	Front: 39.8 With moonroof: 38.8 Rear: 36.7 (all)	
Legroom	Front: 43.1 Rear: 36.5	
Hip room	Front: 54.1 Rear: 49.3	
Shoulder room	Front: 56.7 Rear: 55.6	
EPA passenger volume	98.9 cu. ft. With moonroof: 97.5 cu. ft.	
Trunk capacity	12.5 cu. ft.	
Trunk liftover height	28.7	

EPA estimated fuel economy	City/highway/combined
	6-speed manual: 19/26/22 Subaru Performance Transmission: 19/25/21
Fuel capacity	16.6 gal.