

2019 Subaru WRX® STI®

Specifications

Body	4-door wide-body design, 5-passenger														
Engine	4-cylinder SUBARU BOXER, turbocharged/intercooled; SI-DRIVE Engine Performance Management system; die-cast aluminum cylinder block with integral cast iron cylinder liners, five main bearings, semi-closed deck cylinder design														
Displacement	2,457 cc														
Bore x Stroke	99.6 x 79.0 mm														
Heads/Valvetrain	Aluminum alloy cylinder heads with belt-driven double overhead camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (DAVCS) variable valve timing (operates on intake and exhaust valves)														
Compression ratio	8.1:1														
Fuel/Induction	Aluminum alloy intake manifold, sequential multi-port fuel injection (MFI), electronic throttle control (ETC) system, turbocharger, cross-flow intercooler														
Max. boost	16.2 PSI														
Horsepower	310 @ 6,000 rpm														
Torque	290 lb-ft @ 4,000-5,200 rpm														
Ignition	Direct														
Fuel requirement	91 AKI minimum; 93 AKI recommended for maximum performance														
All-Wheel Drive	Symmetrical All-Wheel Drive with Multi-Mode Driver Control Center Differential (DCCD) featuring three performance modes and six driver-selectable differential locking settings; electronically controlled limited-slip center differential; helical limited-slip front differential and TORSEN® limited-slip rear differential, steering angle input sensor; nominal torque split is 41:59														
Stability system	Multi-mode Vehicle Dynamics Control (VDC) stability and traction control system with yaw-rate sensor; Active Torque Vectoring														
Transmission	6-speed manual transmission														
Gear ratios	<table style="border: none;"> <tr><td>1</td><td>3.636</td></tr> <tr><td>2</td><td>2.235</td></tr> <tr><td>3</td><td>1.590</td></tr> <tr><td>4</td><td>1.137</td></tr> <tr><td>5</td><td>0.971</td></tr> <tr><td>6</td><td>0.756</td></tr> <tr><td>R</td><td>3.545</td></tr> </table>	1	3.636	2	2.235	3	1.590	4	1.137	5	0.971	6	0.756	R	3.545
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Final drive	3.900														
Chassis	Unitized body construction with Ring-shaped Frame Reinforcement structure; high-tensile steel reinforcements at key structural and suspension-mounting locations														
Suspension	4-wheel independent, high-performance STI sport-tuned WRX STI Series.Gray: high-performance Bilstein® STI sport-tuned														
Front	Inverted struts with forged aluminum-alloy lower A-arms with pillow ball joint mount, coil springs, 24mm stabilizer bar (Bilstein® dampers for WRX STI Series.Gray)														

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Rear	Double-wishbone type with coil springs and damper units, stiffener bar, 20mm stabilizer bar (Bilstein® dampers for WRX STI Series.Gray)
Brakes	Brembo® Performance Brake System, power assisted 4-wheel disc with 4-channel, 4-sensor Super-Sport anti-lock brake system (ABS) with g-sensor; Electronic Brake-force Distribution (EBD), Brake Assist and Brake Override
Front disc	13.4 in. ventilated and cross-drilled with 6-piston monoblock calipers
Rear disc	12.8 in. ventilated and cross-drilled with dual-piston monoblock calipers
Steering	Quick-ratio hydraulic power assisted rack-and-pinion
Ratio	13.3:1
Turns, lock-to-lock	2.5
Turning circle	36.0
Wheels	19 x 8.5-inch cast alloy with dark gray finish 19 x 8.5-inch cast alloy with black finish (Series.Gray)
Tires	245/35R19 89W summer performance
Exterior Dimensions	
Wheelbase	104.3 in.
Length	180.9 in.
Height	58.1 in.
Width	70.7 in
Track (front/rear)	60.2 in. / 60.6 in.
Road clearance	4.9 in.
Curb weight (lb.)	WRX STI: 3,448 WRX STI Series.Gray: 3,463 WRX STI Limited: 3,514
Interior Dimensions	
Headroom	Front: 39.8 in. With moonroof: 37.2 in. Rear: 37.1 in.
Legroom	Front: 43.3 in. Rear: 35.4 in.
Hip room	Front: 52.1 in. Rear: 53.1 in.
Shoulder room	Front: 55.6 in. Rear: 54.2 in.
EPA passenger volume	96.6 cu. ft. With moonroof: 93.1 cu. ft.
EPA trunk volume	12.0 cu. ft.
Trunk liftover height	27.0 in.
Fuel Economy	
City / highway / combined mpg	EPA estimated: 17/22/19
Fuel tank capacity	15.9 gal