

2011 Subaru Impreza® WRX® STI®

Specifications

Body	4-Door or 5-Door wide-body designs, 5-passenger	
Engine	Horizontally opposed (Boxer), turbocharged/intercooled	
Block	Specially reinforced die-cast aluminum with integral cast iron cylinder liners, five main bearings, semi-closed deck cylinder design	
Cylinders	4	
Displacement	2,457 cc (150 cu. in.)	
Bore x Stroke	99.5 x 79 mm (3.92 x 3.11 in.)	
Heads/Valvetrain	Aluminum alloy cylinder heads with double overhead belt-driven camshafts (DOHC), four valves per cylinder, Subaru Dual Active Valve Control System (Dual AVCS) variable valve timing (operates on intake and exhaust valves)	
Compression ratio	8.2:1	
Fuel/Induction	Aluminum alloy intake manifold, sequential multi-port fuel injection (MFI), electronic throttle control (ETC) system, high-boost turbocharger, cross-flow intercooler	
Max. boost pressure	760 mmHg / 14.7 PSI	
Horsepower	305 hp @ 6,000 rpm	
Torque	290 lb.-ft. @ 4,000 rpm	
Ignition	Direct with iridium-tipped spark plugs	
Emission control	Bin 5 Tier 2-Federal (EPA) / LEV2-California	
Fuel requirement	91 AKI minimum	
All-Wheel Drive	Symmetrical All-Wheel Drive with Driver Control Center Differential (DCCD) featuring three performance modes and six driver-selectable differential locking settings; mechanical and electronically controlled limited-slip center differential; helical limited-slip front differential and TORSEN® limited-slip rear differential, steering angle input sensor	
Stability system	Multi-mode Vehicle Dynamics Control (VDC) stability and traction control system with yaw sensor	
Transmission	6-speed manual transmission	
Gear ratios	1	3.636
	2	2.235
	3	1.521
	4	1.137
	5	0.971
	6	0.756
	R	3.545
Final drive	3.90	
Chassis	Unitized body construction with Ring-Shaped Reinforcement Frame structure; high-tensile steel reinforcements at key structural and suspension-mounting locations	
Suspension	4-wheel independent, high-performance sport-tuned (retuned for 2011)	
Front	Inverted struts with forged aluminum-alloy lower L-arms, crossmember stiffener bar, coil springs, 21mm stabilizer bar, STI designed components and geometry	
Rear	Double-wishbone type with coil springs and damper units, 19mm stabilizer bar and STI designed components and geometry	

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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
Front disc	13.0 in. ventilated with four-piston fixed position calipers
Rear disc	12.6 in. ventilated with dual-piston fixed position calipers
Steering	Quick-ratio rack-and-pinion with engine-speed controlled variable power assist, variable-capacity power steering pump
Ratio	15.0:1
Turns, lock-to-lock	2.8
Turning circle	36.1 ft.
Wheels	18 x 8.5JJ cast alloy (BBS [®] forged alloy wheel optional, same size)
Tires	245/40R18 93W Dunlop SP Sport 600 summer tire
Exterior Dimensions	
Wheelbase	103.3 in.
Length	4-Door: 180.3 in. 5-Door: 173.8 in.
Height	57.9 in.
Width	70.7 in
Track (front/rear)	60.2 in. / 60.6 in.
Ground clearance /Curb weight	5.9 in.
Curb weight	4-Door: 3,384 lbs. 5-Door: 3,373 lbs.
Interior Dimensions	
Headroom (f/r)	4 dr. and 5 dr.: 40.3 in. / 37.6 in.
Legroom (f/r)	43.5 in. / 33.5 in.
Hip room (f/r)	53.4 in. / 53.3 in.
Shoulder room (f/r)	54.8 in. / 53.2 in.
EPA interior volume	4-Door: 94.6 cu. ft 5-Door: 94.4 cu. ft.
EPA trunk volume, 4-Door	11.3 cu. ft.
Cargo volume, 5-Door	Rear seat backs up: 19.0 cu. ft. Rear seat backs down: 44.4 cu. ft.
Max. load floor length, 5-Door	Rear seat backs up: 31.7 in. Rear seat backs down: 60.1 in.
Cargo width between wheel housings, 5-Door	42.0 in.
Fuel Economy	
EPA city / highway mpg	TBD
Fuel tank capacity	16.9 gal

All specifications are preliminary and subject to change.