



2004 IMPREZA WRX STi

SPECIFICATIONS

POWERTRAIN	WRX STi
Engine: 2.5L Dual Overhead Cam (DOHC), 16 valve, horizontally-opposed, 4 cylinder boxer engine Power: 300 hp @ 6,000 rpm Torque: 300 lb-ft @ 4,000 rpm Compression Ratio: 8.2:1	•
Active Valve Control System variable valve timing	•
Die cast aluminum alloy block with integral cast iron cylinder liners	•
Electronically Controlled Throttle	•
Emissions: Meets Low Emission Vehicle (LEV) Standards	•
Engine oil cooler	•
Fuel injection: Sequential multiport	•
High boost turbocharger	•
Ignition system: Direct	•
Intercooler water spray (manual with low fluid indicator)	•
Large type STi intercooler	•
Semi closed deck engine block design	•
Sodium filled exhaust valves	•
Spark plugs: Iridium	•
6-speed manual transmission (6MT) Fully synchronized, including reverse Hydraulically operated, dry single plate disc clutch Standard flywheel Reverse lockout shifter Transmission oil cooler Starter interlock system (clutch pedal controlled) Subaru All-Wheel Drive Type: Driver Controlled Centre Differential (DCCD) with manual and auto mode	•
Differential (front): Cam type limited slip	•
Differential (rear): Mechanical limited slip	•
Exhaust: STi performance turbo type	•
Exhaust: STi muffler (stainless sport type tip)	•
Fuel requirement: Super premium unleaded (93 AKI or higher recommended, 91 AKI minimum)	•
Fuel cap: Tethered type	•

CHASSIS	WRX STi
Brakes: Brembo® high performance brake system	•
Brakes: Super Sport ABS 4-channel, 5-sensor, 4-wheel and single g-load sensor	•
Brakes: Power-assisted with dual-diagonal system	•
Brakes: Electronic Brake-Force Distribution (EBD)	•
Brakes (front): Ventilated disc type, rotor size 323 X 30mm with 4 piston calipers	•
Brakes (rear): Ventilated disc type, rotor size 313 X 20mm with 2 piston calipers	•
Steering: Engine speed sensitive quick ratio (15.2) power rack and pinion (2.7 turns to lock)	•
Suspension (front & rear): 4-wheel fully-independent	•
Suspension (front & rear): STi sport tuned with front wide track	•
Suspension (front & rear): Stabilizer bars	•
Suspension (front): Inverted strut with aluminum alloy lower L-arm	•
Suspension (front): Cross member stiffener bar	•
Suspension (rear): Inverted type strut with parallel link	•
Suspension (rear): Crossmember stiffener plates	•

EXTERIOR FEATURES	WRX STi
Body: Dual-sided galvanized steel	•
Bumpers (front): STi type with corner spoilers	•
Bumpers (front): STi fog light covers	•
Bumpers (rear): Standard type	•
Door mirrors: Body colour, power adjustable, foldable & heated	•
Door: Rear cargo trunk	•
Doors: 4 with body colour handles	•
Fog lights: Projector beam halogen	◦
Front fender: Wide type	•
Front grille: Black metal mesh with Six Star cluster and STi insignia	•
Headlights: Auto-off with ignition switch	•
Headlights: Aerodynamic contoured multi-reflector halogen	•
Headlights: Daytime Running Lights (DRL)	•
Hood: Aluminum alloy	•
Hood: Functional large STi type hood scoop for intercooler air flow	•
Side moulding: STi design aerodynamic side ground effects (body colour)	•
Spoiler (rear): Large WRC box type	•
Tire (spare): Compact design T135/70 D17	•
Tires: 225/45 R17 90W Bridgestone Potenza RE070 (Summer)	•
Wheels: 17" X 7.5" BBS forged aluminum alloy	•
Wheels: Chrome lug nuts	•
Windows (doors): Tinted	•
Windows (rear quarter): Tinted	•
Windows (rear): Tinted, defogger with timer, lightweight type glass	•

EXTERIOR FEATURES continued	WRX STi
Windshield: Laminated and tinted	•
Wipers (front windshield): Variable intermittent with washer	•

SAFETY AND SECURITY	WRX STi
Airbags (SRS): Dual, driver and front passenger	•
Airbags (SRS): Dual, front seat side-impact with head and chest protection	•
Assist grips: Outboard seating positions	•
Child safety: Rear door locking system	•
Child safety: Rear seat ISO-FIX/LATCH anchor system	•
Head restraints (front): Integrated	•
Head restraints (rear): Integrated	•
Pedal: Collapsible safety brake pedal	•
Seatbelts (front): Height adjustable shoulder belt anchors (ELR)	•
Seatbelts (front): 3-point with pretensioners and load limiters	•
Seatbelts (rear): 3-point, all seating positions (ALR/ELR)	•
Seatbelts (rear): Height adjustable shoulder belt anchors (except middle seat)	•
Security: Keyless entry system with panic alarm	•
Security: Anti-theft system	•
Steering column: Collapsible type	•
Structure: Ring-shaped reinforcement frame	•
Structure: Side-impact door beams (front & rear)	•
Trunk: Internal safety release with self-illuminating handle	•

SEATING AND TRIM	WRX STi
Floor mats: "STi" embroidered	•
Floor mats: Winter	◦
Interior: Blue Escaine® with black knit seat bolsters and STi logo seat backs	•
Interior: STi Blue Carpet	•
Seating: Capacity	5
Seat (driver's): Height adjustable (ratchet lever type)	•
Seat (driver's): Heated with high/low settings	•
Seats (front): Semi-bucket rally sport type	•
Seats (rear): Contoured bench	•
Seats (rear): Folding centre armrest with trunk pass through	•

AUDIO	WRX STi
AM/FM/6CD/Cassette	•
Antenna: In glass integrated	•
Speakers (main)	4
Speakers (premium performance)	◦
Subwoofer	◦
Tweeters	2

CONTROLS	WRX STi
Climate control: Semi-automatic type	•
Climate control: Air conditioning (CFC Free)	•
Cruise control: Steering wheel stalk controls	•
Gear selector: Black leather-wrapped with red stitching	•
Parking brake: Leather-wrapped with chrome button	•
Pedal: Aluminum alloy sport pedal	•
Pedal: Driver's foot rest	•
Shifter boot frame: Silver metallic finish	•
Steering wheel: Tilt adjustable	•
Steering wheel: Leather-wrapped Subaru World Rally Team/STi brand 3-spoke design	•

CONVENIENCE	WRX STi
12 V outlet in dash	
Armrest (front): With console storage	•
Cup holders: Console integrated cup holder	•
Cup holders: Mounted on front dash	•
Door locks: Power with remote keyless entry	•
Glove box: Lockable and illuminated	•
Ignition key ring: Illuminated	•
Ignition key: STi type	•
Light: Interior dome with off delay	•
Light: Map spotlights	•
Visor (sun): Centre windshield	•
Visor: Dual, with mirrors	•
Windows (power): Driver's window auto down	•

CARGO AREA	WRX STi
Cargo area light	•
Intercooler water reservoir (See owners manual for details on correct operation)	•
Remote trunk release (floor mounted)	•

INSTRUMENTS		WRX STi
Gauges: STi gauge pack with full needle sweep on start up		•
Gauges: Analog with red illumination and aluminum trim		•
Odometer: Digital dual trip modes		•
Speedometer: Electronically controlled analog		•
Tachometer: 9000RPM maximum, centre mount type with STi logo		•
Tachometer: Driver programmable engine revolutions alarm		•
Instrument panel: Adjustable dash illumination		•
Instrument panel: Coolant temperature gauge		•
Instrument panel: Driver Controlled Centre Differential (DCCD) Indicator		•
Instrument panel: Fuel gauge		•
Instrument panel: Outside temperature display		•
Warning lights: Intercooler water spray tank low		•
Warning lights: ABS, airbag, brake fluid, oil pressure, check engine, door ajar warning system		•

MEASUREMENTS		WRX STi
Fuel Economy		
Fuel economy: Manual transmission (6MT) (City/Hwy) (L/100km)		13.4/9.1
Fuel tank capacity (L)		60

General Weights		
Curb weight (6MT) (kg)		1484
Gross Vehicle Weight Rating (GVWR) (kg)		1880

General Trailering Weight†		
Towing capacity: Maximum weight (kg) with trailer brakes		906
Towing capacity: Maximum weight (kg) without trailer brakes		453
Towing capacity: Maximum tongue weight (kg)		90

† See owner's manual for detailed towing instructions

Exterior		
Length (mm)		4415
Width (mm) without mirrors		1740
Height (mm)		1430
Wheelbase (mm)		2540
Track: Front (mm)		1490
Track: Rear (mm)		1485
Road clearance minimum (at curb weight) (mm)		145
Steering: Turns - Lock to lock		2.7
Steering: Curb to curb turning circle (m)		10.8
Drag Coefficient (cd)		0.33

MEASUREMENTS continued		WRX STi
Headroom		
Headroom: Front (mm)		980
Headroom: Rear (mm)		932
Legroom		
Legroom: Front (mm) (at accelerator)		1090
Legroom: Rear (mm) (minimum)		838
Shoulder room		
Shoulder room: Front (mm)		1339
Shoulder room: Rear (mm)		1344
Hip room		
Hip room: Front (mm)		1354
Hip room: Rear (mm)		1318
Interior Volume		
EPA Interior volume (L)		2479
Cargo Area		
Cargo area: EPA trunk volume (L)		311
Gear Ratios (6MT) Manual transmission		
First Gear		3.636
Second Gear		2.375
Third Gear		1.761
Fourth Gear		1.346
Fifth Gear		0.971
Sixth Gear		0.756
Reverse Gear		3.545
Final Drive Ratio		3.900

EXTERIOR COLOURS	WRX STi
World Rally Blue Pearl with Gold BBS Wheels	•
Aspen White with Silver BBS Wheels	•
Java Black Pearl with Silver BBS Wheels	•
Platinum Silver Metallic with Silver BBS Wheels	•

MSRP	
WRX STi (6MT)	\$46,995

WARRANTIES
3 years / 60,000 km "bumper to bumper" no deductible limited warranty
5 years / 100,000 km major components and powertrain
3 years / unlimited km CAA roadside assistance
<i>See warranty book for details and limitations.</i>

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