

2005 SUBARU OUTBACK





Orionback 40R LL. Orion® Edition Wayon shown in Brilliant Silver Metallic/Grand Gray Pearl with necessary roof-mounted bicycle attachment





SOMETIMES THERE'S SIMPLY NO ESCAPING CIVILIZATION. Or reason to, for that matter. Just consider the remarkably quiet and refined interiors of the Outback 3.0R Sedan and VDC Limited Wagon. Completely redesigned to provide an outstanding driving experience, in both vehicles you'll find elegant, leather-trimmed seats, offering durability with a



- 1 The Outback 3.0R interiors possess a premium quality that's evident from the moment you enter, starting with a wood and leather-wrapped MOMO brand steering wheel.
- 2 A luxurious dual-zone automatic climate control system with separate temperature controls allows both driver and front passenger to personalize their specific environments for maximum comfort.

rich, luxurious feel. And within the VDC Limited Wagon, a power dual-panel moonroof that's large enough to bathe the entire cabin in sunlight. Plus an audiophile-pleasing, 7-speaker premium audio system featuring a 6-disc in-dash CD changer with an MP3 player for an unparalleled listening environment. If only your campsite was this well provisioned.

17" alloy wheels

Raised suspension

5-speed automatic with
SPORTSHIFT

Mirrors with integrated
turn signals

Vehicle Dynamics Control
(VDC) system*



Leather-trimmed upholstery

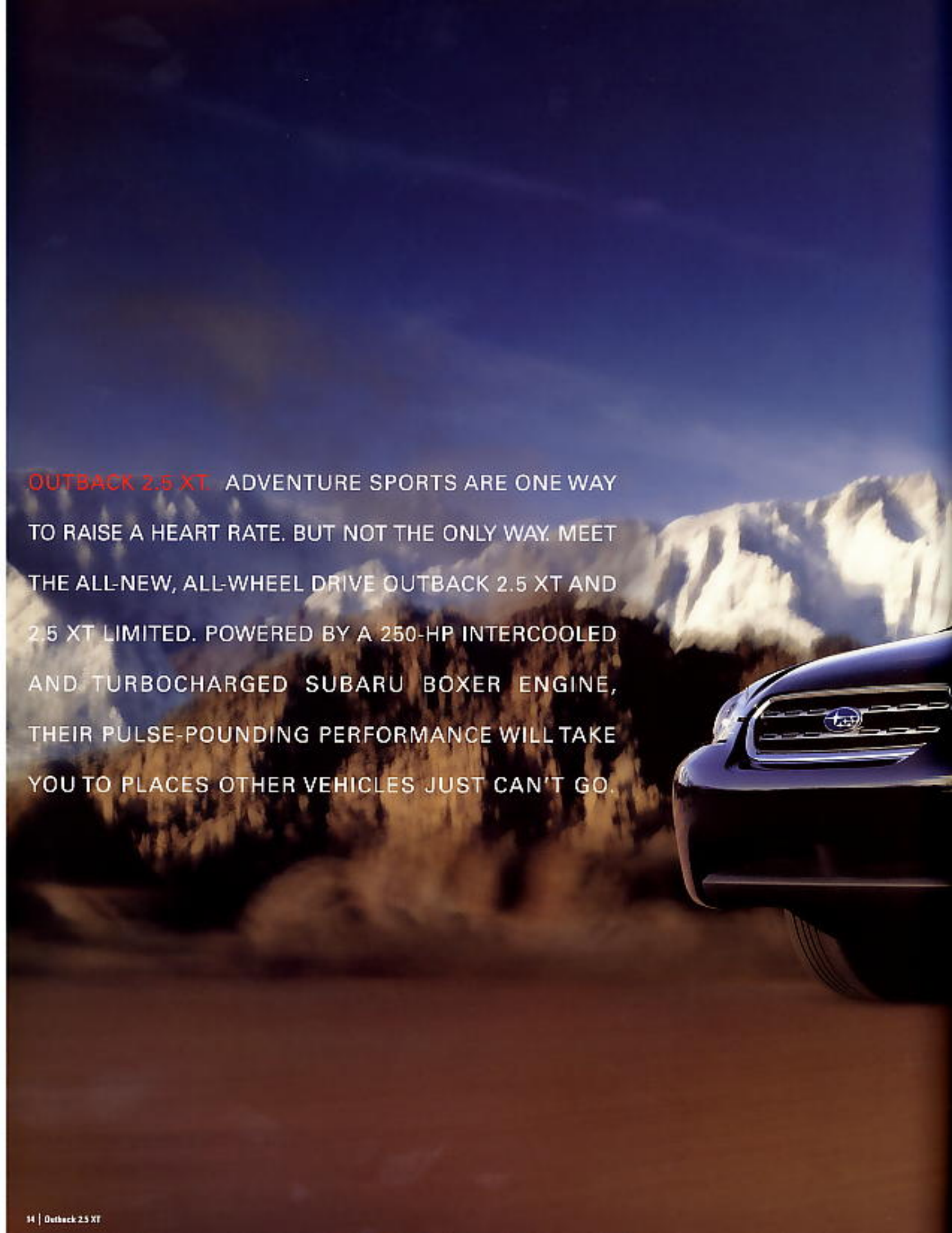
Heated power front seats

Premium audio system*

Dual-zone climate control

Dual-panel power moonroof

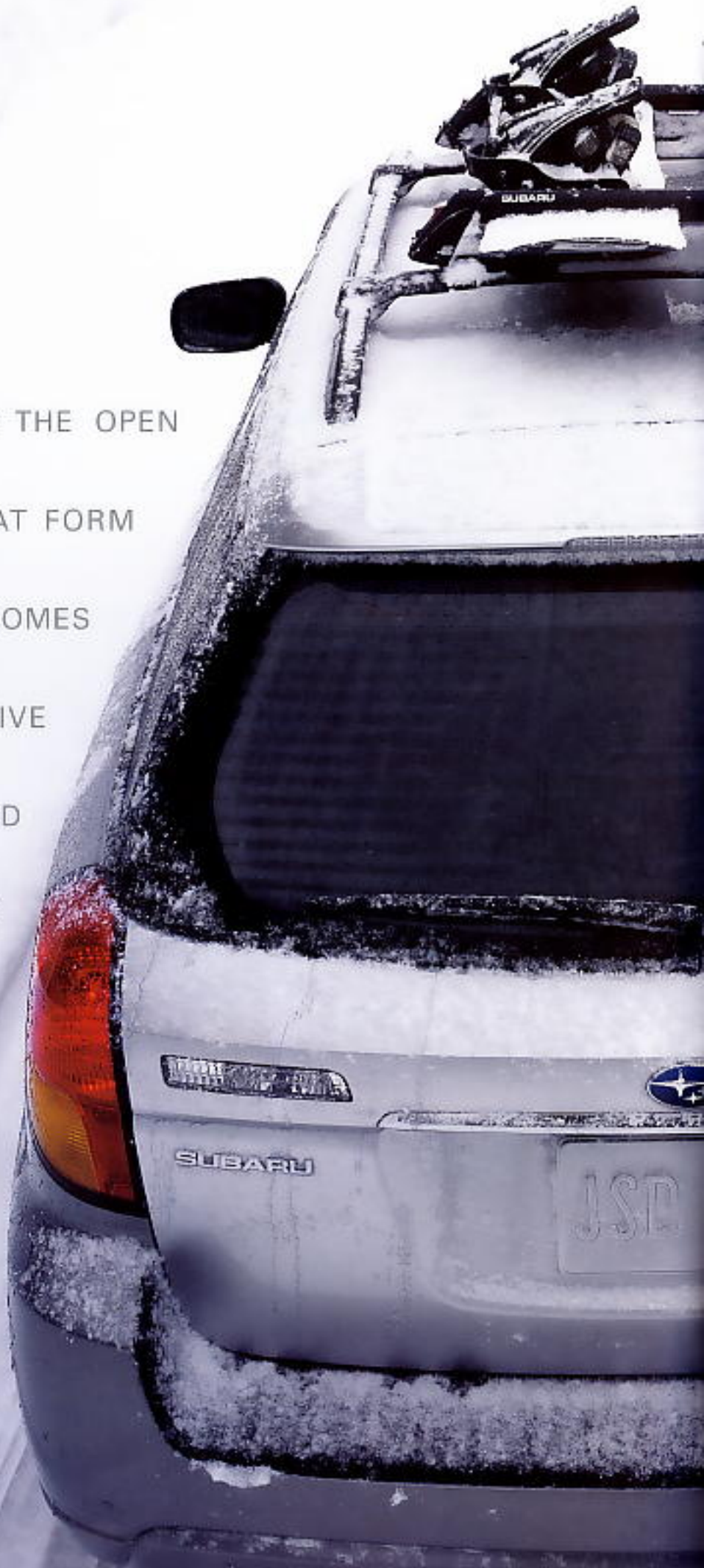
3.0R VDC Limited only

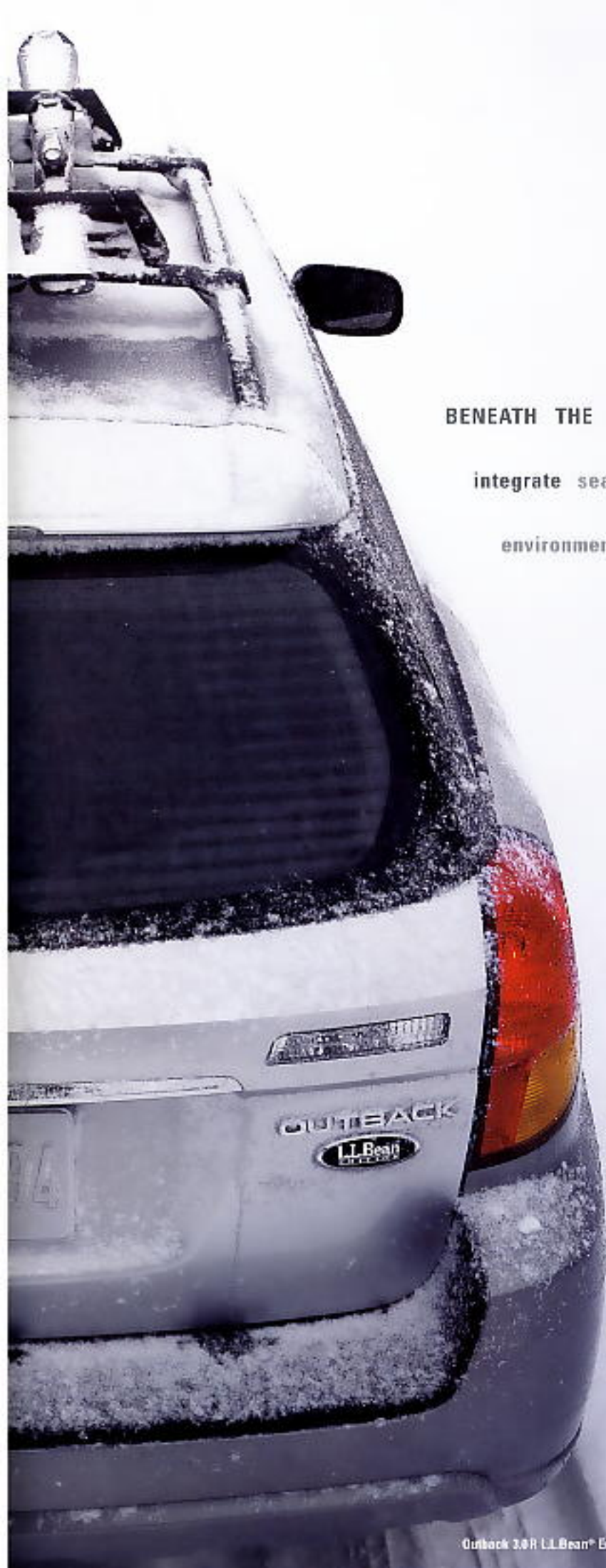


OUTBACK 2.5 XT. ADVENTURE SPORTS ARE ONE WAY TO RAISE A HEART RATE. BUT NOT THE ONLY WAY. MEET THE ALL-NEW, ALL-WHEEL DRIVE OUTBACK 2.5 XT AND 2.5 XT LIMITED. POWERED BY A 250-HP INTERCOOLED AND TURBOCHARGED SUBARU BOXER ENGINE, THEIR PULSE-POUNDRING PERFORMANCE WILL TAKE YOU TO PLACES OTHER VEHICLES JUST CAN'T GO.



THERE IS NO SUBSTITUTE FOR THE OPEN
ROAD. BECAUSE IT IS HERE THAT FORM
BECOMES FUNCTION. POWER BECOMES
PERFORMANCE. AND SUPERLATIVE
ENGINEERING IS TRANSFORMED
INTO AN ALL-ENCOMPASSING
DRIVING EXPERIENCE THAT'S
WORTH FAR MORE THAN THE
MERE SUM OF ITS PARTS.





BENEATH THE SKIN, the Subaru Boxer engine and Symmetrical AWD
integrate seamlessly for extraordinary performance in virtually every
environment. They are complemented by precise engine-speed-sensing



1 A heavy-duty raised fully independent suspension provides confident handling on virtually all road conditions.

2 Standard on the Outback 3.0R VDC Limited, Vehicle Dynamics Control (VDC) continuously monitors various vehicle parameters, reacting as necessary to help keep the vehicle on its intended path.

power rack-and-pinion steering, an incredibly rigid yet
lightweight body structure and an advanced 4-wheel
independent suspension for dynamic, **balanced** handling



Symmetrical AWD

SUBARU, 2004

For every model tested, Subaru receives the highest rating in frontal offset crash test results from the Insurance Institute for Highway Safety (IIHS).

Seatbelt pre-tensioners and force limiters

Collapsible steering column

Safety brake pedal

Side-impact door beams

THE SUBARU DRIVING EXPERIENCE evokes many emotions. Confidence should always be one of them. Which is why every

Subaru is engineered according to the principles of "Active Driving/Active Safety." **Proactive** safety components such as full-time

Symmetrical AWD and 4-wheel anti-lock disc brakes (ABS) with Electronic Brake-force Distribution (EBD) help provide the



1 A newly designed Ring-Shaped Reinforcement Frame helps dissipate crash impact energy away from occupants.
2 An intelligent front air bag system with dual-stage deployment senses driver's seat position and front passenger seat occupancy to determine the safest air bag inflation level for each.
3 Standard side curtain air bags help protect both front and rear outboard passengers from side impacts.
4 Active front seat head restraints help protect against potential whiplash in a collision.



driver with outstanding vehicle control during evasive maneuvering. And when the unexpected becomes the unavoidable,

a cocoon of passive safety features, including a Ring-Shaped Reinforcement Frame with **enhanced side-impact protection**,

front and rear crumple zones, side curtain air bags, and more, work in unison to help keep all occupants safe and sound.

Dual-stage front air bags (SRS)¹

Side curtain air bags (SRS)¹

Front side-impact air bags (SRS)¹

Daytime Running Lights (DRL)

LATCH system²

¹For more information, contact the Insurance Institute for Highway Safety or visit their Web site at www.iihs.org.
²Always wear seatbelts. Children should be properly restrained in the rear seat. 3-Point Child System, Lower Anchors and Tethers for Children

BECAUSE EVERYONE'S IDEA of a perfect driving experience is unique, a wide variety of Genuine Subaru Accessories is available to make your Outback as distinctive as you are. Crafted with the same quality, durability, fit and finish as the vehicle itself, these specially designed accessories offer a means to accentuate every aspect of your Outback with



1 Heavy-duty Roof Cargo Basket with Fork-mounted Bike Carrier and Front-wheel Holder: Carries up to 100 lbs. of cargo, and includes mounting hardware, black cargo net with hooks and custom fairing. Shown with accessory Fork-mounted Bike Carrier and Front-wheel Holder (sold separately).

2 Roof-mounted Bicycle Attachment: Securely transports one bicycle and accommodates 1" to 3" downtubes.

3 Round Cross Bar Set: May be used in conjunction with all genuine Subaru roof attachments and carriers. Stabilizing brackets sold separately.

4 Roof Cargo Carrier: Provides 11 cubic feet and up to 100 lbs. of lockable storage capacity.

5 Hitch-mounted Bicycle Attachment: Slides into trailer hitch to carry up to 2 bikes. Designed for easy dismantling of bikes without lifting.

6 Kayak Carrier: Attaches quickly and easily to cross bars. Carries two kayaks.

7 Front Bumper Guard: Finishes off and helps protect lower front bumper from brush and debris.

8 Head Protector: Acrylic plastic and wrap-around design help protect hood from stone chips and bugs.

Compartment separator/
dog guard

Cargo net (rear)

Air filtration system

Rear differential
protector

Security system
perimeter alarm

personalized style, functionality and luxury. Moreover, all Genuine Subaru Accessories are backed by your basic
vehicle 3-year/36,000-mile warranty when installed at the time of vehicle purchase. For complete warranty details, or
to learn more about the full range of available Outback accessories, see your Subaru dealer or visit www.subaru.com

- 1** Moonroof Air Deflector: Helps reduce wind noise and cut sun glare.
- 2** Rear Spoiler (Sedan): Color-matched rear deck spoiler with integrated brake light.
- 3** MOMO Shift Knob (Automatic): Slat-machined aluminum shift knob with perforated leather accents lends a stylish look of performance to the 2.5 XT and 3.0R models.
- 4** Cargo Nets: Rear of Back Seat (1) and Sides (2): Cargo net storage helps keep wagon cargo area organized.
- 5** Auto-dimming Mirror Compass: Includes electronic compass. Mirror darkens when headlights are detected from rear of vehicle.
- 6** Center Armrest Extension: Raises up and forward for additional comfort when driving.
- 7** Sub-wwoofer Amplifier: Delivers rich, deep bass you not only hear but feel.
- 8** All-weather Mats: Custom-fitted, heavy-gauge protective mats.
- 9** Cooler/Warmer: Keeps food and beverages either cool or warm. Plugs into power outlet in cargo area of Outback wagon.
- 10** Trailer Hitch: Heavy-duty rated at 200 lbs. tongue weight, 2,700 lbs. (4-cyl.), 3,000 lbs. (6-cyl.) towing capacity.
- 11** Wheel Locks: Help to protect your investment in alloy wheels and tires.



Engine-block heater

Battery warmer

Car cover (sedan
and wagon)

Front-end cover
(full and hood)

Cargo-area spotlight

SPECIFICATIONS

	Outback 2.5i Wagon	Outback 2.5i Limited Wagon	Outback 2.5 XT Wagon	Outback 2.5 XT Limited Wagon	Outback 3.0R VDC Limited Wagon	Outback 3.0R LL Bean [®] Edition Wagon	Outback 3.0R Sedan
ENGINE AND DRIVETRAIN							
Engine	2.5-liter SOHC aluminum alloy 16-valve horizontally opposed 4-cylinder Subaru Boxer engine. Platinum-tipped spark plugs.		2.5-liter DOHC intercooled, turbocharged aluminum alloy 16-valve 4-cylinder horizontally opposed Subaru Boxer engine with Active Valve Control System (AVCS). Iridium spark plugs.		3.0-liter DOHC aluminum alloy 24-valve 6-cylinder horizontally opposed Subaru Boxer engine with Active Valve Control System (AVCS) and Active Valve Lift System (AVLS). Iridium spark plugs.		
Power	168 hp @ 5,600 rpm		250 hp @ 6,000 rpm		250 hp @ 5,600 rpm		
Torque	166 lb.-ft. @ 4,000 rpm		250 lb.-ft. @ 3,600 rpm		219 lb.-ft. @ 4,200 rpm		
Compression ratio	10.0:1		8.7:1		10.7:1		
Bore and stroke	99.5 x 79 mm		99.5 x 79 mm		89.2 x 82 mm		
Intake system	Aluminum alloy intake manifold.		Composite-resin intake manifold. Crossflow turbocharger with air-to-air intercooler. Maximum boost pressure: 13.5 psi.		Composite-resin intake manifold.		
Fuel and ignition system	Sequential multi-port fuel injection. Electronic capability. Distributorless electronic ignition.		Throttle Control (ETC). Engine management with integrated self-diagnostics and adaptive driving habits. 2.5i models: Direct ignition. 2.5 XT and 3.0R models.				
Manual transmission	Standard fully synchronized 5-speed manual with clutch pedal-controlled starter interlock.		Standard fully synchronized reinforced 5-speed manual with dual-mass flywheel and clutch pedal-controlled starter interlock.		Not available.		
Automatic transmission	Optional 4-speed adaptive electronic direct-control automatic with SPORTSHIFT manual control.		Optional 5-speed adaptive electronic direct-control automatic with SPORTSHIFT manual control. Steering wheel-mounted SPORTSHIFT buttons.		Standard 5-speed adaptive electronic direct-control automatic with SPORTSHIFT manual control.		
Fuel economy (city/highway)	Manual: 23/28 mpg. Automatic: 22/28.		Manual: 19/25 mpg. Automatic: 19/24 mpg.		Automatic: 19/25 mpg.		

SYMMETRICAL ALL-WHEEL DRIVE

Continuous All-Wheel Drive	Models equipped with 5-speed manual transmission utilize a viscous-type locking center differential with torque distribution configured at a 50/50 split front to rear. Also included is a limited-slip rear differential.
Active All-Wheel Drive	Models equipped with 4-speed automatic transmission utilize an electronically controlled variable transfer clutch to distribute power to where traction is needed. Sensors monitor parameters such as wheel slippage, throttle position and braking to help determine torque distribution to the wheels with optimum traction. Also included is a limited-slip rear differential.
Variable Torque Distribution (VTD) All-Wheel Drive	Models equipped with 5-speed automatic transmission utilize an electronically controlled variable transfer clutch in conjunction with a planetary-type center differential. Rear wheel-biased torque distribution normally configured at 45/55 split front to rear. Also included is a limited-slip rear differential.
Vehicle Dynamics Control (VDC) All-Wheel Drive	Exclusive to the Outback 3.0R VDC Limited Wagon, this system combines VTD All-Wheel Drive with VDC stability control. Sensors constantly monitor wheel speed, steering angle, brake pressure, vehicle's yaw rate and lateral g-forces. If VDC detects a difference between driver's intended path of travel and path vehicle is actually taking, VDC applies braking power and/or reduces engine torque to help correct vehicle path. Also included is a limited-slip rear differential.

CHASSIS

Steering	Engine-speed-sensing power-assisted rack-and-pinion. Turns lock-to-lock 3.2, turning circle 35.4 ft.		
Suspension	4-wheel independent heavy-duty raised suspension. Front: Strut-type with lower L-arm. Anti-dive geometry. Rear: Multi-link with anti-lift and antisquat geometry. Front and rear stabilizer bars.		
Brakes	4-wheel disc, ventilated front	4-wheel disc, ventilated front	4-wheel disc, ventilated front
Brake discs (in.)	11.5 front/10.6 rear	11.5 front/10.6 rear	11.5 front/10.6 rear

WHEELS AND TIRES

Wheels	16 x 6.5-inch 6-spoke aluminum alloy. Silver finish.	17 x 7.0-inch 5-spoke aluminum alloy. Silver finish (Gray finish on 3.0R LL Bean Edition).
Tires	225/60 R16 91H performance all-season	225/55 R17 95V high-performance all-season

DIMENSIONS

	Wagons						Sedan
Length	188.7 in.						186.7 in.
Height	63.2 in. (includes roof rails and cross bars)						59.1 in.
Width	69.7 in.						69.7 in.
Wheelbase	105.1 in.						106.1 in.
Track (front/rear)	58.9 in./58.7 in.						58.9 in./58.7 in.
Curb weight (manual/automatic)	2.5i Wagon	2.5i Limited Wagon	2.5i XT Wagon	2.5i XT Limited Wagon	3.0R VDC Limited Wagon	3.0R LL Bean Edition Wagon	3.0R Sedan
	3,310 lbs./3,355 lbs.	3,365 lbs./3,410 lbs.	3,415 lbs./3,460 lbs.	3,500 lbs./3,555 lbs.	N/A/3,630 lbs.	N/A/3,545 lbs.	3,000 lbs.
Coefficient of drag (cd)	0.31						0.28
Ground clearance	8.4 in. (2.5i XT models: 8.7 in.)						8.4 in.
Angle of approach	18.7° (2.5i XT and 3.0R models: 18.3°)						18.3°
Breakover angle	19.7°						19.7°
Angle of departure	22.0°						20.0°
Towing capacity (Class II)	2,700 lbs. (3.0R models: 3,000 lbs.)						3,000 lbs.
Headroom (front/rear) with moonroof	38.7 in./37.1 in. (2.5i and 2.5i XT models without moonroof: 40.5 in./39.1 in.)						37.5 in./36.5 in.
Legroom (front/rear)	44.1 in./33.9 in.						44.1 in./33.9 in.
Shoulder room (front/rear)	54.4 in./53.7 in.						54.4 in./53.7 in.
Cabin capacity	97.4 cu. ft.						83.1 cu. ft.
Cargo capacity with moonroof	32.1 cu. ft./61.7 cu. ft. with rear seat lowered (2.5i and 2.5i XT models without moonroof: 33.5 in./66.2 in. with rear seat lowered)						11.4 cu. ft.