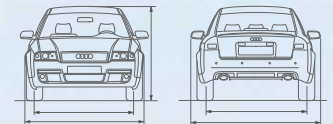




RS 6

**The 2003 Audi RS 6
Specifications**



Audi of America, Inc. believes the specifications in this document to be correct at the time of publishing. See your dealer for complete details.

AUDI RS 6 SPECIFICATIONS

Engine

- ▶ **TYPE:** V8 spark-ignition, DOHC aluminum alloy 90 degree biturbo V8, TLEV exhaust standard
- ▶ **ARRANGEMENT:** Front mounted, longitudinal
- ▶ **BORE:** 3.32 in.
- ▶ **STROKE:** 3.66 in.
- ▶ **DISPLACEMENT:** 255 cu. in.
- ▶ **COMPRESSION RATIO:** 9.8:1
- ▶ **FUEL REQUIREMENT:** Premium Plus unleaded recommended for maximum performance
- ▶ **HORSEPOWER (SAE):** 450 hp @ 5700 - 6400 rpm
- ▶ **MAX. TORQUE:** 415 lb./ft. @ 1950 - 5600 rpm
- ▶ Volkswagen Oil Standard 505 01 (5W-40 Synthetic Motor Oil) required¹

Engine Design

- ▶ **CYLINDER BLOCK:** Aluminum alloy
- ▶ **CRANKSHAFT:** Forged steel, 5 main bearings
- ▶ **CYLINDER HEAD:** Aluminum alloy
- ▶ **VALVE TRAIN / INTAKE:** DOHC, belt driven, hydraulic lifters, variable intake camshaft timing, roller camshaft followers with hydraulic compensation, 3 intake valves, 2 sodium-cooled exhaust valves
- ▶ **FIRING ORDER:** 1-5-4-8-6-3-7-2
- ▶ **COOLING SYSTEM:** Water-cooled, thermostatically controlled radiator fan
- ▶ **LUBRICATION SYSTEM:** Gear pump, pressurized, full flow with oil cooler
- ▶ **FUEL INJECTION:** ME 7.1.1 Motronic with electronic multi-point sequential fuel injection with mass air measurement, hot film air mass sensor
- ▶ **IGNITION SYSTEM:** Mapped ignition with solid-state high-voltage distribution, electronic throttle control, three knock sensors with cylinder selective knock control and fully adaptive controls, coordinated torque control, and cylinder-bank selective exhaust-gas temperature control
- ▶ **TURBO CHARGERS:** Two turbochargers with integrated boost control, one turbo charger per cylinder bank
- ▶ **EMISSION SYSTEM:** Two air-gap-insulated tubular manifolds, two underhood primary catalytic converters, two underfloor main converters, cylinder-bank selective lambda control with heated oxygen sensors

Electrical System

- ▶ **BATTERY:** 14 volts (110 amp / hr)
- ▶ **ALTERNATOR:** 14 volts (150 amp)

Drivetrain

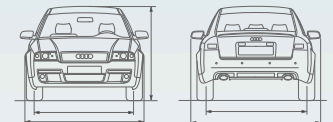
- ▶ **TRANSMISSION:** Electronically controlled five-speed automatic with Tiptronic®, dynamic shift program (DSP), hill detection capability, and Sport Mode, lock-up torque converter and automatic shif lock, Tiptronic® control paddles mounted on steering column
- ▶ **TYPE:** quattro®
- ▶ **GEAR RATIOS:**
 - 1st: 3.571:1
 - 2nd: 2.200:1
 - 3rd: 1.505:1
 - 4th: 1.000:1
 - 5th: 0.804:1
 - Reverse: 4.095:1
 - Final Drive: 3.197:1
- ▶ **FRONT DIFFERENTIAL:** Hypoid gear, electronically locking (EDL)
- ▶ **CENTER DIFFERENTIAL:** TORSEN® (TORque SENsing) differential providing automatic and variable front to rear proportioning
- ▶ **REAR DIFFERENTIAL:** Hypoid gear, electronically locking (EDL)

Steering

- ▶ **TYPE:** Rack and Pinion
- ▶ **RATIO:** 14.3
- ▶ **TURNS (lock-to-lock):** 2.8
- ▶ **TURNING CIRCLE (curb-to-curb):** 37.4 ft.

Fuel Economy (EPA Estimate)

- ▶ **CITY (Automatic):** n/a
- ▶ **HIGHWAY (Automatic):** n/a



Brakes

- ▶ **SERVICE BRAKE:** Diagonally split dual circuits, ABS/EBD; brake booster servo. cross-drilled and vented discs at front and rear. Front: 8-piston fixed Brembo brakes with 4 pads. Rear: single floating piston with 2-pad brakes
- ▶ **FRONT, SIZE AND TYPE:** 14.37 in. - Ventilated disc 14.37 x 1.3 in.
- ▶ **REAR, SIZE AND TYPE:** 13.19 in. - Ventilated disc 13.19 x 0.9 in.
- ▶ **PARKING BRAKE:** Mechanically actuated at the rear wheels

Wheels and Tires

- ▶ **WHEEL SIZE:** 8.5J x 18" RS Design 9-spoke alloy wheel
- ▶ **TIRE SIZE:** 255 / 40 ZR 18 high performance tire²

Body

- ▶ **MATERIAL:** Fully galvanized (both sides) steel, aluminum front hood and front fender
- ▶ **CORROSION PROTECTION:** Multi-step anti-corrosion protection

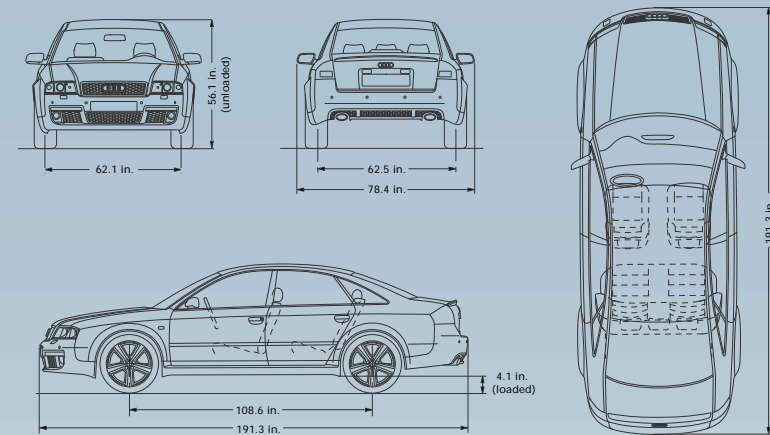
Capacities

- ▶ **ENGINE OIL:** 9.5 qt.
- ▶ **FUEL TANK:** 21.7 gal.
- ▶ **COOLING SYSTEM:** 11.6 qt.

Interior Dimensions

- ▶ **SEATING CAPACITY:** 5 with rear seat
- ▶ **EPA CLASS:** Mid-size
- ▶ **HEAD ROOM (front / rear):** 38.6 in. / 37.6 in.
- ▶ **SHOULDER ROOM (front / rear):** 58.6 in. / 57.3 in.
- ▶ **LEG ROOM (front / rear):** 41.3 in. / 37.3 in.
- ▶ **INT. VOL. (EPA) (front / rear):** 52.7 cu. ft. / 45.6 cu. ft.
- ▶ **LUGGAGE CAPACITY (EPA):** 15.0 cu. ft.

Exterior Dimensions



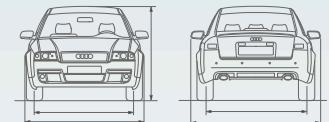
- ▶ **CURB WEIGHT:** 4024 lbs. (1840 kg)

Performance

- ▶ **0 - 50 mph:** 3.5 sec.
- ▶ **0 - 60 mph:** 4.6 sec.
- ▶ **1/4 MILE:** 14.1 sec.
- ▶ **TOP SPEED:** Top speed is electronically limited to 155 mph for the U.S.

Suspension

- ▶ **FRONT:** Four link with upper and lower control arms, stabilizer bar, coil spring/shock absorber struts, radius link with hydraulic damping mount
- ▶ **REAR:** Double control arm (upper and lower), stabilizer bar, coil springs, shock absorber



Exterior Features

- ▶ 5 MPH (Federal standard) bumpers, painted in body color
- ▶ Protective side moldings, painted in body color
- ▶ Body color, flush door handles
- ▶ Special trim around side windows and lower trunk lid
- ▶ Brushed aluminum exterior mirror housings
- ▶ Heatable windshield washer nozzles
- ▶ Pearl effect paint at no extra charge
- ▶ Black door sill trim with RS 6 logo
- ▶ **NOMENCLATURE:**
 - RS 6 on rear trunk lid - left
 - Four rings on center of rear deck lid & front grille
 - "quattro" badge on dashboard belt line trim - right
- ▶ Visible dual exhaust
- ▶ Sound-enhancing exhaust system with black exhaust tips *(Optional)*
- ▶ Solar Sunroof Panel that replaces glass sunroof *(Package)*
- ▶ Power glass slide and tilt sunroof with sunshade

Exterior Lighting

- ▶ Xenon high intensity discharge headlights, high and low beam
- ▶ Two front fog lights located in lower bumper
- ▶ Two rear fog lights
- ▶ High pressure headlight washers, retractable, flush with bumper
- ▶ Red tail-light lenses with amber lenses for turn signal
- ▶ "Puddle" lights in all four doors
- ▶ White side turn indicator lights in front fenders with amber shine-through bulbs

Interior Lighting

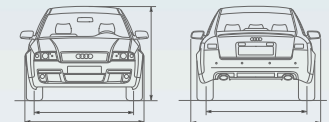
- ▶ Interior lights in front and rear headliner with fade-in and fade-out feature, time delay and automatic switch on when key is withdrawn from ignition
- ▶ Front and rear reading lights located in headliner
- ▶ Red ambient LED lights in headliner for front center console illumination
- ▶ Illumination for interior door release handles
- ▶ Front and rear footwell lights
- ▶ Illuminated glove box, trunk, lighter and ashtray

Technical Features

- ▶ 4.2 liter DOHC aluminum alloy 450 hp 90 degree biturbo V8 engine, 5-valves per cylinder, direct ignition system, roller camshaft followers, variable intake camshaft timing
- ▶ 5-speed automatic transmission with Tiptronic® (steering wheel control) and DSP (selects from over 200 shift programs to match driver needs), hill detection capability and "Sport-mode" setting
- ▶ ESP® 5.7 - Electronic Stabilization Program with Brake Assist
- ▶ quattro® IV - permanent all-wheel drive system, includes Torsen® torque sensing center differential
- ▶ Anti-lock brake system with front and rear Electronic Differential Locks (EDL) and electronic rear brake pressure regulation
- ▶ CFC-free (ChloroFlouroCarbon) air conditioning refrigerant
- ▶ Fully galvanized steel unibody construction with aluminum hood and front fenders

Suspension and Steering Features

- ▶ 8.5J x 18 inch 9-spoke cast alloy wheels with 255 / 40 ZR performance tires²
- ▶ Brembo® 8-piston 4-pad front brake calipers
- ▶ Floating-Hub Brake design front and rear
- ▶ Collapsible spare tire with air compressor
- ▶ Four-link front suspension
- ▶ Double A-arm rear suspension
- ▶ Dynamic Ride Control (DRC)
- ▶ **SPORT SUSPENSION WITH:**
 - body lowered 25mm
 - shocks with 40% increased compression damping
 - 30% stiffer spring rate
 - larger diameter stabilizer bar
- ▶ Close ratio rack & pinion, variable power assist steering
- ▶ 3-spoke sport steering wheel with Tiptronic® control paddles
- ▶ Electrically adjustable tilt and telescopic steering column with automatic tilt-away for ease of entry and exit



Comfort and Convenience

- ▶ Fully automatic dual zone climate control system with sun sensor, smog sensor and activated charcoal filter
- ▶ **POWER WINDOWS WITH:**
 - power retention (until either front door is opened)
 - "one-touch down" and "one-touch up" for all four windows
 - "pinch protection" for all four windows (reverses window at force >100N)
 - driver controlled lock out switch for rear power windows
- ▶ Electronic cruise control with coast, resume and speed-up features
- ▶ Large auto dimming/folding outside mirrors and auto dimming inside mirror with compass
- ▶ Electrical adjustable outside mirrors with defog features
- ▶ Electrical rear window defogger with automatic timed shut off feature
- ▶ **POWER CENTRAL LOCKING SYSTEM (Doors, deck lid and fuel door) WITH SELECTIVE UNLOCKING (Enables unlocking of a single front door or all doors), PLUS:**
 - convenient close feature for windows & sunroof (functions by holding key in lock position)
 - master switch located in driver's door
 - convenient open for windows (functions by holding key in unlock position)
- ▶ Radio frequency remote locking system with selective unlock, remote trunk lid opening, panic function, interior lights and alarm system activation - control integrated in folding key ignition
- ▶ Remote trunk lid release button
- ▶ Illuminated vanity mirrors in right and left front sunvisors
- ▶ 4 assist handles in headliner with slow retraction feature
- ▶ HomeLink® 3 channel remote transmitter located in driver's sunvisor
- ▶ Rear Parktronic®

Seating

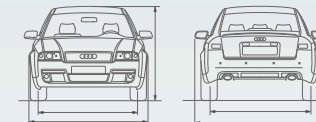
- ▶ 12-way power front driver and passenger heated Sport seats with electric lumbar adjustment and lockable head restraints
- ▶ 3-position memory for driver and passenger seats (drivers side memory controls seats, mirrors, steering wheel position and climate control)
- ▶ 3 rear seating positions with head restraints and 3-point safety belts³
- ▶ Heated front and rear seats
- ▶ Folding front center armrest with adjustable angle
- ▶ 1/3 - 2/3 split folding rear seat with lockable seat backs

Instrumentation and Electrical Equipment

- ▶ **BACKLIT INSTRUMENT CLUSTER WITH AUTOMATIC BRIGHTNESS CONTROL WITH:**
 - tachometer, electronic speedometer, digital clock with date, fuel gauge
 - temperature gauge, oil temperature gauge, voltmeter, white illumination with red pointers
- ▶ Digital odometer with service interval indicator
- ▶ **DRIVER INFORMATION DISPLAY WITH:**
 - outside temperature display plus 5-function trip computer
 - radio/telephone display
 - active Auto Check system with speed warning device
 - pictogram display for open door and deck lid
- ▶ Anti-theft vehicle alarm system with blinking theft deterrent light
- ▶ Windshield wipers with large sweep area and 4-position interval rates
- ▶ **SYMPHONY II 2-DIN AM/FM RADIO WITH CASSETTE, 6-DISC CD-PLAYER AND:**
 - RBDS (Radio Broadcast Display System displays radio station call letters and other information)
 - GALA (Graduated Audio Level Adjustment, varies volume based on vehicle speed)
- ▶ Bose® 200 Watt Premium Sound System with subwoofer
- ▶ Audi Telematics by OnStar® hardware with 1 year service and phone preparation⁴
- ▶ Integrated digital portable phone with voice recognition *(Optional)*
- ▶ Global positioning Audi Navigation System⁵ *(Optional)*

Interior

- ▶ Leather upholstery with door panel inserts
- ▶ Steering wheel and shift knob wrapped in perforated leather
- ▶ **FULL LENGTH CENTER CONSOLE WITH:**
 - storage area under front centre armrest
 - adjustable rear passenger air vents and rear power outlet
- ▶ Two retractable front cup holders (one in dash and one in center console)
(The cup holder in center console is not available with Audi Navigation System)
- ▶ Two retractable rear cup holders
- ▶ Rear seat heater vents under front seats
- ▶ Front and rear footwell mats



Interior (continued)

- ▶ Tool kit located in luggage area
- ▶ Fold down rear center armrest
- ▶ Auto dimming inside mirrors with compass
- ▶ Expandable ski sack
- ▶ Power rear and manual rear side window sunshades (Package)
- ▶ Headliner upholstered in Alcantara
- ▶ Gray Poplar Wood Trim on dashboard, door panels, and shifter surround
- ▶ Carbon Fiber Interior Trim (Replaces Gray Poplar Wood) (Optional)

Safety

- ▶ Driver and front passenger next generation airbag supplemental restraints
- ▶ Front seat-mounted side airbags³
- ▶ Inflatable "SIDE GUARD" curtain airbags³
- ▶ Rear seat-mounted side airbags³ (Optional)
- ▶ Front 3-point safety belts with automatic pretensioning, height adjustable upper mounts and belt force limiters³
- ▶ Three rear 3-point safety belts with automatic pretensioning³
- ▶ Front passenger and rear safety belts with Convertible Locking Retractors (ELR and ALR modes)
- ▶ Child-safety rear door locks
- ▶ Central locking system with safety unlock feature (unlocks doors and turns on interior lights if airbag deploys)
- ▶ Active reflectors in rear of all doors and rear deck lid
- ▶ Emergency warning triangle located in rear deck lid
- ▶ Locking headrests for front seats
- ▶ LATCH System for outboard rear seating positions
- ▶ First Aid kit in rear center armrest
- ▶ Immobilizer III transponder system

Options

- ▶ **WARM WEATHER PACKAGE**
 - Power rear and manual side window sunshades
 - Solar Sunroof (Replaces glass sunroof panel)
- ▶ Rear side airbags
- ▶ Global positioning Audi Navigation System⁵
- ▶ Carbon Fiber Interior Trim (Replaces Gray Poplar Wood Trim)
- ▶ Sound-Enhancing exhaust system with black exhaust tips
- ▶ Motorola® digital/portable phone with voice control

Warranty Information

- ▶ 4-year/50,000 mile new vehicle limited warranty / 4-year/80,000 km new vehicle limited warranty⁶
- ▶ 4-year/50,000 mile no-charge scheduled maintenance / 4-year/80,000 km no-charge scheduled maintenance
- ▶ 12-year limited warranty against corrosion perforation
- ▶ 24-hour Roadside Assistance for 4 years⁷

"quattro" is a registered trademark of Audi AG

"Tiptronic" is a registered trademark of Dr. Ing. h. c. F. Porsche AG.

"Torsen" is a registered trademark of Zexel-Gleason USA, Inc.

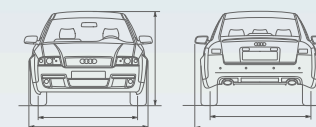
"Motorola" is a registered trademark of Motorola, Inc.

"HomeLink" is a registered trademark of Prince Corporation, Holland, Michigan.



















"Bose" is a registered trademark of the Bose Corporation. Covered by patent rights issued and/or pending

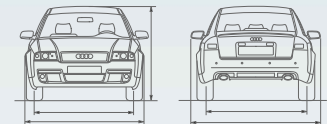
"Parktronic" is a registered trademark of Audi AG

"OnStar" is a registered trademark of OnStar, Corp.



AUDI RS 6 SPECIFICATIONS

| Color Program | | | | | | | | | |
|---|---|----------------------------------|-------------------------|--------------------|----------------------|---------------------|---------------------|---------------------|---------------------|
| EXTERIOR COLOR | INTERIOR COLOR | LEATHER SEATS / PIPING | UPPER DASH / LOWER DASH | DOOR PANEL INSERTS | SEAT CONTROLS / BELT | CARPET / CARGO AREA | HAT SHELF ALCANTARA | HEADLINER ALCANTARA | SUN VISOR ALCANTARA |
| Avus Silver pearl effect  | Ebony  Silver  | Ebony / Silver Silver / Ebony | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Silver |
| Ebony pearl effect  | Ebony  Silver  | Ebony / Silver Silver / Ebony | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Silver |
| Mugello Blue pearl effect  | Ebony  Silver  | Ebony / Silver Silver / Ebony | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Silver |
| Misano Red pearl effect  | Ebony  Silver  | Ebony / Silver Silver / Ebony | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Silver |
| Goodwood Green pearl effect  | Ebony  Silver  | Ebony / Silver Silver / Ebony | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Silver |
| Daytona Gray pearl effect  | Ebony  Silver  | Ebony / Silver Silver / Ebony | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Ebony | Ebony Silver | Ebony Silver | Ebony Silver |



Disclaimers

¹ Here's something very important that you must know about your vehicle. The high-performance RS 6 requires special synthetic engine oil which must conform to Volkswagen Oil Standard 505 01 (5W-40 Synthetic Motor Oil). Failure to use engine oil for your engine that expressly conforms to Volkswagen Oil Standard 505 01 (5W-40 Synthetic Motor Oil) can cause engine failure on the highway that can cause a crash and serious personal injury. Please note the following:

- Never use any amount of engine oil in the engine that does not conform to Volkswagen Oil Standard 505 01 (5W-40 Synthetic Motor Oil).
- Always carry with you an extra quart of engine oil that conforms to Volkswagen Oil Standard 505 01 (5W-40 Synthetic Motor Oil) in case you must top off the oil while on the road. Never use any other kind of engine oil in your vehicle, not even to top off the oil level. We have provided you with a quart of the approved oil in the luggage compartment.
- If you use engine oil that does not expressly conform to Volkswagen Oil Standard 505 01 (5W-40 Synthetic Motor Oil), very serious and very expensive damage to your vehicle's engine will occur. Your Limited New Vehicle Warranty will not cover engine damage caused by using the wrong engine oil.
- Not all commercially available oils conform to this very rigid Volkswagen oil quality standard, even though they may have the same viscosity.

Your authorized dealer has the most up-to-date technical information regarding the correct oil specification and viscosity or your engine. Always ask your Service Consultant about the correct oil to use when topping off your engine. Refer to your Owner's Manual for details about oil specifications.

² These tires are designed for optimum performance and handling in warm climates. They are not suitable for cold, snowy, or icy weather conditions. If you drive under those circumstances, you should equip your vehicle with all-season or winter tires, which offer better traction under those conditions. We suggest you use the recommended winter or all-season tire specified for your car or its equivalent. These performance tires also have a lower aspect ratio that aids performance and handling; however, in order to avoid tire, rim, or vehicle damage, it is important that the inflation pressure is regularly checked and maintained at recommended levels. Please also remember in making your selection that, while these tires deliver responsive handling, they may ride less comfortably and make more noise than other choices. When driving the RS 6, please be aware of extremely bumpy roads or potholes. These types of road conditions can easily damage the low-profile tires on this vehicle. Avoid these road conditions whenever possible. Finally, these tires may wear more quickly than other choices. For further information on all these topics, please consult the owner's manual, your local dealer or call 1-800-FOR-AUDI.

³ Airbags are supplemental restraints only and will not deploy under all accident circumstances. Always use safety belts and seat children only in the rear, using restraint systems appropriate for their size and age.

⁴ Audi vehicles are equipped with a telematics system that utilizes analog telephone signals to enable Audi Telematics by OnStar services. Recently, the U.S. Federal Communications Commission (FCC) ruled that wireless telephone carriers are required to fully support the analog wireless network until February 16, 2008. After this date, it is likely that the analog wireless network will be phased out, rendering analog devices inoperable.

⁵ The Audi Navigation System depends upon signals from the world-wide Global Positioning Satellite network. The vehicle's electrical system, and existing wireless and satellite technologies, must be available and operating properly for the system to function. The mapping does not have the same level of detail in all areas. Periodically the mapping is updated, and new discs will be required in order to maintain the latest navigation information. These will be available for purchase from time to time at additional cost. Consult your dealer or call 1-800-FOR-AUDI for details.

⁶ Ask your Audi dealer for details.

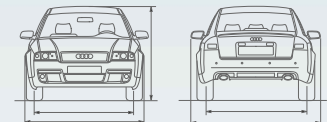
⁷ Coverage provided by AAA and its affiliated clubs in the U.S. Certain conditions apply.

Note: The RS 6 has a 450 hp biturbo V8 engine that is capable of accelerating the car from 0-60 mph in 4.6 seconds. This performance is unique to the RS 6. It is possible that you will not have operated any vehicle with the acceleration and performance capabilities of the RS 6. Therefore, it is imperative that, when operating the RS 6, extreme caution is observed at all times.

Note: As the driver, you must exercise good judgment and common sense when you operate this vehicle. Make sure that you drive within your own driving capabilities. Keep in mind that changing road and weather conditions will affect the overall performance of the vehicle.

Note: The RS 6 is equipped with an Electronic Stabilization Program (ESP), Anti-lock Brakes (ABS), Brake Assist, and quattro all-wheel drive. Despite all of these safety/performance enhancing features, you must be extremely careful when driving this vehicle. None of these vehicle systems can ensure vehicle safety at all times.

Audi of America, Inc. believes the specifications in this data sheet to be correct at the time of publishing. See your dealer for complete details.



AUDI RS 6 SPECIFICATIONS