Technical Specifications	2002 Audi S4 Avant
ENGINE:	
Туре	Six-cylinder four-stroke, spark ignition, two light alloy cylinder heads, three inlets and two (sodium-cooled) exhaust valves,
7.	DOHC, twin turbochargers
Arrangement	Front mounted, longitudinal
Bore	3,19 in. 81,0 mm
Stroke	3.40 in. 86.4 mm
Displacement	163 cu.in. 2671 cc
Compression ratio	9.3:1
Fuel requirement	Premium unleaded (91 AKI) recommended for maximum performance
Horsepower (SAE)	250 hp @ 5800 rpm
Max. Torque	258 lbs. ft. @ 1850 rpm
ENGINE DESIGN:	
Cylinder block	Cast iron
Crankshaft	Forged steel, 4 main bearings
Cylinder head	Aluminum alloy
Valve train / intake	DOHC, belt driven, hydraulic lifters / variable intake valve timing and variable geometry composite intake manifold
Firing order	1-4-3-6-2-5
Cooling system	Water-cooled, thermostatically controlled radiator fan
Lubrication system	Gear pump, pressurized, full flow with oil cooler
Fuel injection / Ignition system	Electronic sequential fuel injection, mapped-characteristic ignition with solid-state direct ignition, variable intake camshaft control,
Tuerinjection rightion system	cylinder-selective knock control, exhaust temperature control, coordinated engine-torque control, ME 7.0 Motronic® with electronic throttle
Emission system	Two tubular exhaust manifolds with air-gap insulation, pre catalytic converters close to engine, two main catalytic converters underfloor,
Zsolon system	oxygen sensing for each cylinder bank with four heated oxygen sensors
ELECTRICAL SYSTEM:	oxygen sensing to each symmetrisant four heated oxygen sensors
Battery	12 volts 70 amp/hr
•	14 volts 120 amp
Alternator DRIVETRAIN:	14 VOILS 120 amp
Transmission	6-speed manual transmission with synchronized reverse gear
Transmission	5-speed automatic transmission with DSP and hill detection capability and tiptronic®
Tuna	
Туре	quattro  Manual Automatic
Coor milion. 1st	3.500 1 3.665 1
Gear ratios: 1st 2nd	1.889 : 1 1.999 : 1
3rd	1,231 : 1 1,407 : 1 1,000 : 1 1,000 : 1
4th	
5th	0.806; 1 0.742; 1
6th	
Reverse	3.455 : 1 4.096 : 1
Final Drive	4111:1 3511:1 .
Front Differential	Hypoid gear, electronically locking (EDL)
Center Differential	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportioning
Rear Differential	Hypoid gear, electronically locking (EDL)
STEERING:	
Туре	Maintenance-free rack and pinion with power assistance
Ratio	16.2:1
Turns (lock-to-lock)	3.1
Turning circle (curb-to-curb)	37.4 ft. 11.4 m
SUSPENSION:	
Front	Independent four-link with virtual steering axis and tubular anti-roll bar; twin-tube gas-filled shock absorbers, coil springs, spring
	rebound stops, guide arms with hydraulically damped pivot bearings
Rear	Double wishbone, with anti-roll bar
BRAKES:	
Service brake	Diagonally split dual circuits, ABS/EBV; brake servo. At front, ventilated discs and high-performance four-pad
	HP2 calipers, at rear, disc brakes
Front, size and type	12.6 in. 321 mm - Ventilated disc 321 x 30 mm
Rear, size and type	10.1 in. 256 mm - Ventilated disc 256 x 22 mm
Parking brake	Mechanically actuated at the rear wheels
. =9 =	processing a state of the control of

Technical Specifications (	continued)				2002 Audi S4 Avan
WHEELS:					
Size	7.5J x 17 Avu	s design cast alloy wi	neel		
TIRES:					
Size	225/45/17 per	formance tire			
BODY:					
Material	Fully galvaniz	ed (both sides) steel			
Corrosion protection	Multi-step ant	-corrosion protection			
CAPACITIES:					
Engine oil	6.3 qt.	6 liter			
Fuel tank	16.4 gal.	62 liter			
Cooling system	6.3 qt.	6 liter			
EXTERIOR DIMENSIONS:					
Wheelbase	102.6 in.	2607 mm			
Track: front / rear	58.9 in.	1498 mm 1/	58.7 in.	1490 mm	
Overall length	176.7 in.	4487 mm			
Overall width (incl. mirrors)	72.7 in.	1848 mm			
Height (unloaded,excl.roof rails)	54.9 in.	1396 mm /	55,8 in.	1418 mm w /	roof rails
Ground clearance (unloaded)					
man. / auto.	3.5 in.	90 mm /	3.5 in.	90 mm	
Curb weight man. / auto.	3704 lbs.	1680 kg . /	3814 lbs.	1730 kg	
Distribution % front / rear	58 / 42		59 / 41		
Drag coefficient	Cw = 0.31	Frontal Area = 2.03	sq. m.		
INTERIOR DIMENSIONS:					
Seating Capacity	5				
EPA class	Compact				
Head room front / rear	38,1 in.	969 mm /	36,8 in.	936 mm	
with sunroof front / rear	36.6 in.	930 mm ./	36.3 in.	923 mm*	
Shoulder room front / rear	54.7 in.	1389 mm 1/	53.4 in.	1357 mm	
Leg room front / rear	41.3 in.	1049 mm /	33.4 in.	848 mm	
Int. vol. (EPA) front / rear	49.9 cu. ft.	. 1413 liter /	39.0 cu. ft.	1104.5 liter	
Luggage capacity (EPA)	31.3 cu. ft.		63.7 cu, ft.	(with seats folded)	
PERFORMANCE:					
0-50 mph (0-80kmh)		n.a. sec.		n.a. sec.	sec.
0-60 mph (0-100 km/h)		6.0 sec.		6.7 sec.	A CONTRACTOR OF THE CONTRACTOR
1/4 mile		14.7 sec.		15.2 sec.	
Top speed	Top speed is	electronically limited t	o 143 mph (230 kn	n/h) for U.S.	
FUEL ECONOMY:	EPA estimate				
		Manual		Automatic	
City		17.0 mpg		17.0 mpg	
Highway		23.0 mpg		24.0 mpg	
Combined		20.0 mpg	a	20.0 mpg	
FUEL ECONOMY:	CANADIAN E	stimate			
		Manual		Automatic	
City		13.6 I/100km		13.7 I/100km	
Highway		9.2 l/100km		9.1 I/100km	



Legend	S4 Sedan	S4 Avant
x = Standard O = Optional -= Not available		US only
Technical		
and the second of the second o		
• 2.7 liter, 250 hp, V6 DOHC bi-turbo engine with direct ignition, electronic turbo boost regulation and 5	×	x
valves per cylinder, ME 7.0 Motronic® with electronic throttle control  • 6-speed manual transmission with synchronized reverse gear	×	×
5-speed automatic transmission with Tiptronic® and DSP (selects over 200 shift programs to match)	^	
driver needs) and hill detection capability (no cost)	0	0
Anti-lock brake system (ABS 5.3) with front and rear electronic differential locks (EDL) and electronic		
rear brake pressure regulation	Х	X
• quattro® IV - permanent all-wheel drive system, includes Torsen® torque sensing center differential	х	x
ESP - Electronic Stabilization Program	x	×
Fully galvanized sheet metal	x	X
CFC - free (ChloroFlouroCarbon) air conditioning refrigerant	x	X
Wheels / Tires / Suspension / Steering		
wheels / Tires / Suspension / Steering		
HP2 High performance four-pad front calipers	x	x
<ul> <li>7.5J x 17 AVUS cast alloy wheels with 225/45/R 17 performance tires</li> </ul>	x	x
Full size spare tire with alloy wheel	×	-
Space saving spare tire with steel wheel	_	x
Sport suspension, specifically designed for the S4	x	x
Four-link front suspension	x	x
Double A-arm fully independent rear suspension	x	x
Rack & pinion power steering	x	x
Tilt and telescopic (manual) adjustable steering column	×	x
Exterior		
2.5 MPH (Federal standard) front and rear bumpers, painted in body color (5 MPH for Canada)		~
Retractable high pressure headlight washers	X X	x x
Heatable windshield washer nozzles	×	×
Protective side moldings, painted in body color	×	X
B-pillar trim in high gloss material		
Body color outside mirrors; left side flat, right side convex	X	X
	X	X
Metallic paint at no extra charge     Bright finish roof rails	×	X
2.19.1.		X
Nomenclature: - Four rings on center of rear deck lid	X	X
- Four rings on the front grille	X	X
- S4 badge on:	X	X
front grille - right		
rear deck lid - left		
- 85 mm quattro badge right of dashboard belt line trim	X	Х



	S4 Sedan	S4 Avant
Legend  x = Standard O = Optional - = Not available	54 Sedan	US only
x = Standard O = Optional -= Not available  Exterior Lighting		US UTILY
<ul> <li>Xenon aerodynamic headlight assembly, with HID (High Intensity Discharge) low beam headlights and auto-leveling system (U.S. only)</li> </ul>	x	x
<ul> <li>Aerodynamic 2-way headlight assembly with VF (variable focus) reflectors, integrated low beam/high beam (Canada only)</li> </ul>	x	x
Two front fog lights located in lower front bumper (U.S. only)	x	x
One rear fog light in left rear light	x	x
White side turn indicator lights in front fenders with amber shine-through bulbs	×	x
Comfort and Convenience		
Fully automatic climate control system with sun sensor and activated charcoal filter	x	x
Power windows with:	x	x
- power retention (until either front door open)		
- "pinch protection" for all four windows (reverses window at force >100 N )		
- "one-touch up" for front windows		
- "one-touch down" for all windows		
- driver controlled lock out switch for rear power windows		•
Electronic cruise control with coast, resume and speed-up features	x	x
Power central locking system (doors, deck lid and fuel door) with selective unlocking (enables		
unlocking of a single front door or all doors), plus:	<b>x</b> .	х
<ul> <li>conveniet close feature for windows &amp; sunroof (functions by holding key in lock position)</li> </ul>	x	х
- master switch located in driver's door	x	х
- convenient open for windows (functions by holding key in unlock position)	х	х
Electrically adjustable outside mirrors with defog feature	x	х
Illuminated vanity mirrors in left and right front sunvisors	x	x
Third, middle sunvisor above rearview mirror	x	x
4 assist handles in headliner with slow retraction feature	x	x
Radio frequency remote locking system with selective unlock and panic function, also activates interior	x	x
lights and alarm system	-	
Folding ignition key with remote controls	x	х
Interior lights in front and rear headliner with fade-in and fade-out feature, time delay and automatic	x	×
switch on when key is withdrawn from ignition		1
Illuminated glove box, trunk area, lighter and ashtrays	Х	Х
Heated driver door lock	X	х



Legend	S4 Sedan	S4 Avant
x = Standard O = Optional -= Not available		US only
Seating		
<ul> <li>10-way power driver and front passenger seats including electric lumbar adjustment and lockable head</li> </ul>	x	х
restraints	,,	
2 adjustable head restraints for rear seat; 2 3-point safety belts and center lap belt	X	-
3 adjustable head restraints for rear seat; three 3-point rear safety belts	_	X
Front seat-back map pockets	X	X
60/40 split folding rear seat with individual locks	X	Х
Interior		
Silk nappa leather upholstery, including door panel inserts and armrests	x	x
Front and rear floor mats	x	x
Genuine birds-eye maple wood trim on dashboard door panel interior beltline and center console	x	x
Leather wrapped 3-spoke sport steering wheel in dashboard color with S4 logo	x	x
Tiptronic® controls on steering wheel	0	0
Leather covered transmission shift knob, shift boot and hand brake handle	x	x
Folding front center armrest with adjustable height and storage area for cellular telephone	x	x
Full length center console with:	x	×
- storage tray and rear ashtray		
- fold out cup holder		
- additional power outlet (SAE)		
Power outlet in the trunk	•	х
Fold down rear center armrest	х	X
Aluminum door sill trim with S4 script	х	х
Ambient lighting in headliner for dash and center console	x	x
Illuminated air vent controls in dashboard	x	х
Four tie-down eyelets with luggage net in trunk	x	х
Expandable ski sack	0	х
Retractable luggage cover	-	x
Tool kit located in left rear storage compartment in luggage area	x	х
Instrumentation and Electrical Equipment		
moti differnation and Electrical Equipment		
Driver information display including:	x	х
- 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		



Legend	S4 Sedan	S4 Avant
x = Standard O = Optional -= Not available		US only
Instrumentation and Electrical Equipment (continued)		
Be ablit instrument about a with automatic brightness control including:		.,
Backlit instrument cluster with automatic brightness control including:      White read illumination, digital clock with data, voltmater.	X	X
- white/red illumination, digital clock with date, voltmeter		
- tachometer, electronic speedometer		
- fuel gauge, oil temperature gauge		
Digital odometer with trip odometer and service interval indicator	X	Х
Windshield wipers with 4-position adjustable intermittent interval rate	X	Х
<ul> <li>Anti-theft vehicle alarm system with blinking theft deterrent lights on front doors, and interior monitoring sensor, defeat switch for interior sensor located in driver's side B-pillar</li> </ul>	x	x
Symphony 2-DIN radio with cassette, 1-disc CD-player and:	х	x
- RBDS (Radio Broadcast Display System displays radio station call letters and other information)		
- GALA (Graduated Audio Level Adjustment, varies volume based on vehicle speed)		
6-speaker 80 Watt sound system	х	x
Diversity (four) rear window glass radio antenna	х	x
Pre-wiring for Motorola® hands-free telephone (includes speaker, microphone and transceiver)	x	×
mounting bracket)	^	^
Pre-wiring for 6-disc CD changer (includes mounting bracket in trunk)	х	х
Rear window defroster	х	-
Rear window defroster and rear wiper	-	х
Safety		
Driver and front passenger next generation airbag supplemental restraints	x	x
Driver and front passenger seat mounted side airbag supplemental restraints	x	х
Inflatable "SIDEGUARD" curtain airbags	x	х
• Front 3-point safety belts with automatic pretensioning, height adjustable upper mounts and belt force	1	
limiters	x	Х
Rear outer seat 3-point safety belts with automatic pretensioning	x	-
3 rear seat 3-point safety belts with automatic pretensioning	-	x
Rear center lap seat belt	x	-
Front passenger and outboard rear safety belts with Convertible Locking Retractor (ALR and ELR	x	x
modes)	.	^
<ul> <li>Central locking system with safety unlock feature (unlocks doors and turns on interior lights if airbag deploys)</li> </ul>	×	х
Emergency warning triangle located in rear deck lid	x	x
Active reflectors in rear of all doors	x	х
First Aid kit in rear center armrest	x	х
Three child seat tether anchorage points	x	x

## 2002 Audi S4 quattro Option Program



Legend		S4 Sedan	S4 Avant
x = included in package O = Optiona	al -= Not available		(U.S. only)
	ıipment		
Premium package		0	О
- HomeLink® transmitter in sunvisor		Х	Х
- Glass sunroof		X	Х
<ul> <li>Auto dimming inside and outside mirrors</li> </ul>		X	Х
		_	_
Cold Weather package		0	0
- Heated front seats with individual temperatur	e control (standard in Canada)	X	X
- Expandable ski sack		X	
		O	0.
Enhanced Sport package		X	X
- Leather with Alcantara seat inserts	l trim)	x	x
- Silver aluminum belt line trim (replaces wood	. u,	×	x
- Aluminum mirror housings		^	,
Separate o	otions		
200 Watt Bose® Premium Sound System		0	0
Audi Navigation System		0	. 0
6-disc CD changer		0	0
•	· ·		

#### Warranty Information for all models

#### United States / Canada

- 4-year/50,000 mile new vehicle limited warranty / 4-year/80,000 km new vehicle limited warranty
- 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 years
  - "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.



**Retail Prices** Audi of America, Inc. Effective: 1-August-01

### 2002 Audi S4 Avant

Order Code	Model	Body Style	Transmission	Drivetrain			gested Retail	
8D557Z 8D5579	S4 2.7T S4 2.7T	Wagon Wagon	5-Spd Automatic Tip. 6-Speed Manual	quattro quattro			40,500 40,500	
	***************************************				<u>2.7T</u>			t
	Nappa Leath Nappa Leath (Only Avail	ner/Alcantara		·	S O		NC NC	
D4D4	Pearlescent	White Paint			0		1,200	
WMM	Nappa Lea Silver Alui	ather Seats minum Belt	wlAlcantara Inserts Line Trim (replaces wood) ide Rear View Mirrors		0		400	
PCX	Auto-dimn	roof (w/Pow	ver, Tilt, Slide, "PreSelect") & outside Rearview Mirrors Fransmitter		0		1,200	
PAW	Heated Fron	t Seats			0		450	
PBS	BOSE <sup>®</sup> Prer	nium Sound	system		0		650	
7A2	6 Disc CD C	hanger			0		550	
PNL	Audi Naviga	tion System	(Includes Map CD's)		0		1,350	
PMT	Integrated H	ands-free M	obile Phone		0		495	
OLM	California Er	nissions Re	quirements		0		NC	
1QE	Northeast Tr	ading Regio	n Emissions Req.		0	•	NC	,

Key:

O = Optional S = Standard

NA = Not Available NC = No Charge

Specifications, equipment, options and prices are subject to change without notice. Some items may be unavailable when the vehicle is built. Prices exclude destination charges, registration and dealer delivery charges. Intro 2002 MY Prices