

Technical Specifications		2002 Audi A8	
ENGINE:			
Type	DOHC aluminum alloy 90 degree V8, LEV exhaust standard		
Arrangement	Front mounted, longitudinal		
	4.2 liter		
Bore	3.32 in.	84.5 mm	
Stroke	3.66 in.	93.0 mm	
Displacement	255 cu. in.	4172 cc	
Compression ratio	10.8 : 1		
Fuel requirement	Premium unleaded (91 AKI) recommended for maximum performance		
Horsepower (SAE)	310 hp	@	6200 rpm
Max. Torque	302 lbs. ft.	@	3000 - 4000 rpm
ENGINE DESIGN:			
Cylinder block	Aluminum alloy		
Crankshaft	Forged steel, 5 main bearings		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, belt driven, hydraulic lifters / 3 path variable intake manifold roller camshaft followers, variable intake camshaft timing		
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 7.0 Motronic® with electronic multi-point sequential fuel injection, hot film air mass sensor, solid state direct ignition		
Ignition system	with multiple coils, dual knock sensors with cylinder selective knock control and fully adaptive controls, electronic throttle control		
Emission system	Dual 3-way catalytic converters with individual (four) oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	92 amp/hr	
Alternator	14 volts	150 amp	
DRIVETRAIN:			
Transmission	Electronically controlled five-speed automatic with Tiptronic®, dynamic shift program (DSP) and hill detection capability, lock-up torque converter and automatic shift lock		
Type	quattro®		
	Automatic		
Gear ratios:	1st	3.571 : 1	
	2nd	2.200 : 1	
	3rd	1.505 : 1	
	4th	1.000 : 1	
	5th	0.804 : 1	
	Reverse	4.025 : 1	
	Final Drive	2.909 : 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:			
Type	Rack and pinion, Servotronic® - vehicle speed variable power assist		
Ratio	15.7 : 1		
Turns (lock-to-lock)	2.7		
	A8		A8 L
Turning circle (curb-to-curb)	40.2 ft.	12.25 m	41.7 ft. 12.7 m
SUSPENSION:			
Front	Four link with upper and lower control arms, stabilizer bar, coil spring/shock absorber struts (gas charged)		
Rear	Trapezoidal link with track-rod, anti-roll, coil spring/shock absorber struts (gas charged)		

BRAKES:

Service brake	Anti-lock brake system (ABS 5.3), vacuum power assist, with asbestos-free linings, dual diagonal circuits and electronic rear brake pressure proportioning					
	A8		A8 L			
Front, size and type	12.3 in.	312 x 25 mm	- Ventilated disc	12.7 in.	323 x 30 mm	- Ventilated disc
Rear, size and type	9.6 in.	245 x 10 mm	- Ventilated disc	10.6 in.	269 x 22 mm	- Ventilated disc
Parking brake	Mechanically actuated at the rear wheels					

WHEELS:

Size	7.5J x 16 inch cast alloy "Rundloch" design standard on A8 and A8L			
	8 J x 17 forged 5-spoke design optional on A8 and A8L			
	8 J x 18 hollow 5-spoke design optional on A8 and A8L			
	8J x 18" flaired 10-spoke design optional on A8L			

TIRES:

Size	225 / 60 R 16 H speed rated all-season radial with low rolling resistance construction			
	225 / 55 R 17 H speed rated all-season tires optional on A8 and A8L			
	245 / 45 ZR 18 performance tires optional are optional on A8L			

BODY:

Material	Audi Space Frame construction (aluminum alloy) with aluminum alloy body panels			
Corrosion protection	Multi-step anti-corrosion protection			

CAPACITIES:

	A8		A8 L	
Engine oil	8 qt.	7.5 liter	8 qt.	7.5 liter
Fuel tank	23.7 gal.	90 liter	24.2 gal.	92 liter
Cooling system	11.6 qt.	11 liter	11.6 qt.	11 liter

EXTERIOR DIMENSIONS:

	A8				A8 L					
Wheelbase	113.4 in.	2880 mm			118.5 in.	3010 mm				
Track: front / rear	62.6 in.	1591 mm	/	62.2 in.	1580 mm	62.8 in.	1595 mm	/	62.4 in.	1584 mm
Overall length	198.2 in.	5034 mm			203.3 in.	5164 mm				
Overall width (with mirrors)	79 in.	2007 mm			79.0 in.	2007 mm				
Height (unloaded)	56.6 in.	1438 mm			56.6 in.	1438 mm				
Ground clearance (loaded)	5.7 in.	146 mm			5.7 in.	146 mm				
Curb weight auto	4068 lbs.	1845 kg			4156.0 lbs.	1885 kg				
Distribution % front / rear	58 / 42				58 / 42					

INTERIOR DIMENSIONS:

	A8				A8 L					
Seating Capacity	5				5					
EPA class	Mid Size				Large					
Head room front / rear	38.9 in.	988 mm	/	38.2 in.	971 mm	38.9 in.	988 mm	/	38.4 in.	976 mm
w/ sunroof front / rear	37.1 in.	943 mm	/	37.9 in.	964 mm	37.1 in.	943 mm	/	38.2 in.	971 mm
Shoulder room front / rear	58.3 in.	1480 mm	/	57.1 in.	1450 mm	58.4 in.	1483 mm	/	57.2 in.	1454 mm
Leg room front / rear	41.3 in.	1049 mm	/	38.4 in.	975 mm	41.3 in.	1049 mm	/	41.1 in.	1045 mm
Int. vol. (EPA) front / rear	51.7 cu. ft.	1464 liter	/	48.1 cu. ft.	1362 liter (100 cu. ft.)	51.7 cu. ft.	1464 liter	/	52.1 cu.	1475 liter (104 cu. ft.)
Luggage capacity (EPA)	17.6 cu. ft.	498 liter		(18.0 cu. ft.)		17.6 cu. ft.	498 liter		(18.0 cu. ft.)	

PERFORMANCE:

	A8		A8 L	
0-50 mph (0-80 km/h)		4.9 sec.		5.0 sec.
0-60 mph (0-100 km/h)		6.7 sec.		6.8 sec.
1/4 mile		14.2 sec.		14.3 sec.
Top speed	Top speed is electronically limited to 130 mph (209km/h) for North America			

FUEL ECONOMY:

	EPA estimate	
City	17.0 mpg	17.0 mpg
Highway	25.0 mpg	25.0 mpg

FUEL ECONOMY:

	Canadian Estimate	
City	13.8 l/100km	13.8 l/100km
Highway	9.8 l/100km	9.8 l/100km
Combined	11.2 l/100km	11.2 l/100km

**2002 Audi A8
Equipment**



Legend x = Standard O = Optional P = Package - = Not available	A8 4.2 quattro®	A8 L 4.2 quattro®
Technical		
<ul style="list-style-type: none"> • Aluminum alloy space frame and body panel construction • 4.2 liter DOHC aluminum alloy 310 hp 90 degree V8 engine, 5-valves per cylinder, variable intake magnesium manifold with 3 intake paths, direct ignition system, roller camshaft followers, variable intake camshaft timing • 5-speed automatic transmission with Tiptronic® and DSP (selects from over 200 shift programs to match driver's needs), hill detection capability and "Sport-mode" setting • quattro® IV - permanent all-wheel drive system, includes Torsen® torque sensing center differential • Anti-lock brake system (ABS 5.3) with front and rear Electronic Differential Locks (EDL) and electronic rear brake pressure regulation • ESP 5.7 - Electronic Stabilization Program • CFC-free (ChloroFlouroCarbon) air conditioning refrigerant 	x x x x x x x	x x x x x x x
Wheels / Tires / Suspension / Steering		
<ul style="list-style-type: none"> • "Rundloch" design 7.5J x 16 inch polished alloy wheels with 225/60 R 16 all-season tires • 5-spoke 8J x 17 inch forged and polished alloy wheels with 225/55 R 17 all-season tires • Flaired 10-spoke 8J x 18 inch forged and polished alloy wheels with 245/45 R 18 performance tires • Hollow 5-spoke 8J x 18 inch forged and polished alloy wheels with 245/45 R 18 performance tires • Full size spare tire with alloy wheel • Servotronic® - vehicle speed-sensitive power rack & pinion steering • Leather covered 4-spoke steering wheel with audio controls and Tiptronic® (in dashboard color) • Trapezoidal link rear suspension with track control arm and upper locating link and stabilizer bar • Electrically adjustable tilt and telescopic steering wheel with automatic tilt-away for ease of entry and exit • Heated steering wheel 	x O - O x x x x x x P	x O O O x x x x x x
Exterior		
<ul style="list-style-type: none"> • Body color outside mirrors; left side flat, right side convex • Auto dimming outside rearview mirrors • Dual pane laminated "acoustic" glass for all windows • 5 MPH (Federal standard) bumpers, painted in body color • Exterior chrome beltline trim • Protective side moldings, painted in body color • Body color, flush door handles • Heatable windshield washer nozzles • Metallic or pearl effect paint at no extra charge 	x x x x x x x x x	x x x x x x x x x
Exterior (Continued)		
<ul style="list-style-type: none"> • Nomenclature: <ul style="list-style-type: none"> - Four rings on center rear of trunk lid - "A8" on left rear of trunk lid ("A8 L" for long wheel version) - "4.2" on right rear of trunk lid - "quattro" on right rear of trunk lid - Four rings in center of grille - "quattro" on front grille • Fuel cap hanger feature • Tinted glass, dark tinted band on top of windshield 	x x x x x x x x	x x x x x x x x

**2002 Audi A8
Equipment**



Legend	A8 4.2 quattro®	A8 L 4.2 quattro®
x = Standard O = Optional P = Package - = Not available		
Exterior Lighting		
<ul style="list-style-type: none"> • Aerodynamic halogen headlights, including integrated ellipsoid low beam • Xenon high intensity, low beam headlights with automatic self-leveling • Two front fog lights located in lower front bumper (fog lights as daytime running lights for Canadian vehicles) • Rear fog light (integrated in left rear light cluster) • High pressure headlight washers, retractable, flush with bumper • Red taillight lenses with shine through amber turn signal light bulb • "Puddle" lights in all four doors 	x P x x x x x	x x x x x x x
Interior Lighting		
<ul style="list-style-type: none"> • 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 lighting 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 	x x x x x x	x x x x x x
Comfort and Convenience		
<ul style="list-style-type: none"> • Fully automatic dual zone climate control system with "Rest" function (heater can operate when vehicle shut-off), dual sun sensors and smog sensor with activated charcoal filter • Power glass sunroof with both tilt and slide functions, "pre-select" function, convenience closing system with pinch protection • Solar sunroof • Power windows with: <ul style="list-style-type: none"> - power retention (until either front door open) - "one-touch down" for all four windows - "pinch protection" for all four windows (reverses window at force >100N) - "one touch up" for driver and passenger front windows - driver controlled lock out switch for rear power windows • Electronic cruise control with coast, resume and speed-up features • Dual power outside mirrors with defog feature • 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 door or all doors), plus: <ul style="list-style-type: none"> - convenient close feature for windows & sunroof (functions by holding key in lock position) - master switch located in driver and front passenger door - convenient open for windows (functions by holding key in unlock position) • Multi-function steering wheel with audio and Tiptronic® controls • Heated steering wheel • Audi Navigation System • HomeLink® 3 channel remote transmitter located in driver's sunvisor 	x x - x x x x x x x x x x P O x	x x O x x x x x x x O x

**2002 Audi A8
Equipment**



Legend x = Standard O = Optional P = Package - = Not available	A8 4.2 quattro®	A8 L 4.2 quattro®
Comfort and Convenience (Continued)		
<ul style="list-style-type: none"> • Radio frequency remote locking system with selective unlock, remote trunk opening and panic function, remote also activates interior lights and alarm system. • Folding ignition key with remote controls (including rear lid release) • Remote power trunk lid release button on driver's side B-pillar • Right and left illuminated vanity mirrors in sunvisors • 4 assist handles with slow retraction feature and integrated reading lights • Heated door locks • Electric sunshade for rear window and manual sunshades for rear side windows 	x x x x x x P	x x x x x x x
Seating		
<ul style="list-style-type: none"> • 14-way power front drivers and passenger seats with: <ul style="list-style-type: none"> - 4-way lumbar adjustment - power head restraint adjustment - 4 memory positions for driver's seat, outside mirrors, head restraint height, steering wheel position and climate control settings • Heated "soft optic" front and rear seats • Electrical front seat belt height adjustment • Front seat back map pockets • Front and rear door storage pockets • Dual front center armrests, folding and height adjustable with storage capability • Fold down rear center armrest • 3 adjustable head restraints for rear seat • Concealable center rear headrest • Electrically adjustable rear seat head restraints • Power lumbar adjustment for rear outboard positions 	x P x x x x x x x x x x x	x x x x x x x x x x x x
Interior		
<ul style="list-style-type: none"> • Valcona leather seat upholstery • Headliner and hat shelf upholstered in Alcantara • Leather shift knob • Full length center console with: <ul style="list-style-type: none"> - forward storage bin - adjustable rear passenger air vents and rear seat heater controls - rear power outlet - storage area under front center armrests • Heat vents to rear seat under the front seats, on bi-pillar and in rear center console • Polished burl walnut or polished Sycamore (Vavona) wood inlays in instrument panel, center console and door panels • Luggage net in trunk • Alcantara door inserts • Front and rear floor mats • Expandable ski sack 	x - x x x x x x x x P	x P x x x x x x x x x

**2002 Audi A8
Option Program**



Legend x = Included in package O = Optional - = Not available	A8 4.2 quattro	A8 L 4.2 quattro
Options		
• Premium Package	O	
- Premium comfort front and rear heated seats	x	
- Expandable ski sack	x	
- Power rear sunshade with manual rear side sunshades	x	
- Xenon high intensity discharge headlights with automatic self-leveling	x	
- Heated steering wheel	x	
• Leather / Alcantara Package	-	O
- Headliner and hat shelf upholstered in Alcantara	-	x
Separate Options		
• Solar sunroof (operates fresh air fans when vehicle parked in sun)	-	O
• 17-inch polished forged wheels with 225/55 all-season tires	O	O
• 18-inch polished forged wheels with 245/45 performance tires	-	O
• 18-inch hollow spoke wheels with 245/45 performance tires	O	O
• Audi Navigation System	O	O
• Front and rear Parktronic™ Acoustic Parking System	O	O
• Motorola® digital/portable phone with voice control (in combination with OnStar) *	O	O
• OnStar telematics hardware with 1year service and phone preparation *	O	O
• Pearlescent white	O	O
• Tire pressure monitoring system	O	O

* delayed introduction

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

"multitronic" 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.

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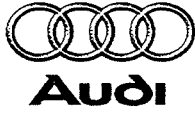
"HomeLink" is a registered trademark of Prince Corporation, Holland, Michigan.

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

"Parktronic" is registered trademark of Audi AG

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

2002 Audi A8

Order Code	Model	Body Style	Transmission	Drivetrain	Suggested Retail
4D22GZ	A8 4.2	Sedan	5-Spd Automatic Tip.	quattro	\$ 62,200
				<u>4.2</u>	
		Leather Upholstery		S	NC
D4D4	Pearlescent White Paint			O	1,200
PPX	<u>Premium Package</u> <i>Premium Comfort Front and Rear Seats</i> <i>Heated Front and Rear Seats</i> <i>Power Rear Window Shade w/ Side Manual Shades</i> <i>Ski Sack</i> <i>Heated Steering Wheel</i> <i>Xenon High Intensity Discharge Headlights</i>			O	2,550
PNK	Audi Navigation System (Includes Map CD's)			O	1,350
7X2	Front and Rear Parktronic®			O	700
PRL	17" Forged Alloy Wheels w/ All Season Tires			O	1,000
PRG	18" Hollow Spoke Wheel w/ Performance Tires			O	1,900
7K1	Tire Pressure Monitoring System			O	390
0LM	California Emissions Requirements			O	NC
1QE	Northeast Trading Region Emissions Requirements			O	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



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

2002 Audi A8 L

Order Code	Model	Body Style	Transmission	Drivetrain	Suggested Retail
4D82GZ	A8 L 4.2	Sedan	5-Spd Automatic Tip.	quattro	\$ 67,200
				<u>4.2</u>	
		Leather Upholstery		S	NC
D4D4	Pearlescent White Paint			O	1,200
PRL	17" Forged Alloy Wheels w/ All Season Tires			O	1,000
PRH	18" 10-Spoke Alloy Wheels w/ Performance Tires			O	1,500
PRG	18" Hollow Spoke Wheel w/ Performance Tires			O	1,900
PNK	Audi Navigation System (Includes Map CD's)			O	1,350
7X2	Front and Rear Parktronic®			O	700
3FR	Sunroof Solar Panel (Replaces Glass Panel)			O	850
PL1	Premium Alcantara and Leather Trim Package			O	3,000
7K1	Tire Pressure Monitoring System			O	390
OLM	California Emissions Requirements			O	NC
1QE	Northeast Trading Region Emissions Requirements			O	NC

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 Intro 2002 MY Prices*