



Legend	A8 L W12 quattro®
x = Standard o = Optional p = Package	
Exterior Lighting	
• Adaptive Bi-Xenon high intensity, low and high beam headlights with automatic self-leveling, cornering light with auxiliary light bulb, and auto on/off low-beam headlights (light sensor located in interior rearview mirror housing)	x
• High pressure retractable headlight washers	x
• Two front fog lights located in lower front bumper	x
• Two rear fog lights in portion of taillights located on the decklid	x
• Red taillight lenses with red LED's used as the turn signals	x
• "Puddle" lights in all four doors	x
• LED lights underneath exterior mirrors and side door handles, activated automatically when doors are unlocked and opened	x
• Coming home/leaving home lights programmable via MMI (fog lights, tail lights, license plate lights and LED lights below mirror and door handle)	x
• Programmable LED daytime running light headlights with distinctive 5-pointed star lighting element	x
• Side indicators with white LED lights	x
• Front clear lenses w/amber turn lights, amber DRL lenses, and side markers w/amber bulbs	x
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lights in front and rear headliner with fade-in and fade-out feature, time delay and automatic switch on when key is withdrawn from ignition	x
• Front and rear reading lights located in headliner	x
• White ambient LED lighting for storage compartments, front & rear footwells, door handles, indirect illumination of the door trims & reading lights in rear headliner. Different light profiles programmable via MMI	x
• Entry/exit lights and active reflectors on all doors	x
• Illuminated front make-up mirrors	x
• Illuminated rear vanity mirrors	x
• Illuminated glove box, trunk, lighter and ashtray	x
Comfort and Convenience	
• Fully automatic dual-zone climate control system with sun sensor, humidity sensor, air-quality sensor, particle filter with activated charcoal, and residual-heat function (via ON/OFF button, heater can operate when ignition is off). Draught-free, indirect ventilation.	x
• Fully automatic four-zone climate control, adds additional rear climate operating unit in rear center console and allows for separate temperature and air distribution settings for for each outboard seat.	x
• Power glass sunroof with both tilt and slide functions, tinted safety glass and infinitely variable sunshield, electrically actuated wind deflector (road speed control), automatic pre-select function of sliding roof position, and closing system with pinch protection.	x
• Power Solar sunroof, with solar panel to maintain power supply to the fan when car is parked in the sun. With both tilt and slide functions and electrically actuated wind deflector (road-speed control).	o
• Power windows with: - 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 all four windows - driver controlled lock out switch for rear power windows	x
• Electronic cruise control with coast, resume and speed-up features	x
• Adaptive Cruise Control (ACC) adapts the vehicle's speed by applying the accelerator and/or brakes to help keep a safe distance to the vehicle driving ahead in the same distance.	o
• Dual auto dimming, power folding outside mirrors with defog feature and memory. Power tilt passenger side mirror when gear is in reverse.	x
• Auto dimming interior rearview mirror	x
• Multi-function 3-spoke wood steering wheel with MMI controls and shift paddles in Beige Birch, Brown-polished Walnut or Sycamore. Includes wood shift knob. Not available with heated steering wheel.	o
• Multi-function 4-spoke leather steering wheel in dashboard color, heated, with MMI controls, shift paddles and leather shift knob (available at no cost, replaces wood steering wheel and wood shift knob)	no cost option



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Comfort and Convenience (Continued)	
• Power tilt and telescopic steering wheel column with automatic tilt-away for ease of entry and exit	x
• Fuel tank & trunk lid release button in driver's door	x
• Front and rear Parktronic™ Acoustic Parking System	x
• Power central locking system (doors, deck lid and fuel door), with selective unlocking (enables unlocking of a single door or individual doors), plus: - master switch located in all doors - convenient open for windows	x
• Radio frequency remote locking system with selective unlock, remote trunk opening and panic function, remote also activates interior lights and alarm system.	x
• Folding ignition key with remote controls (including rear lid release)	x
• Advanced Key, keyless entry and go system. Includes proximity sensor in door handles and trunk lid and Start/Stop button in the right upper corner of the MMI terminal. Allows for selective unlocking of doors and trunk lid, starting and stopping of the engine, and locking the vehicle without taking hold of the key. Key has to be within 60 inches (1.5 m) of proximity sensor to unlock vehicle and in the driver's cell for starting the engine.	x
• Power trunk "close" for last 1 in. of trunk closing	x
• Power "open/close" for trunk: power "open" by button in remote key, button in the driver's door or soft-touch button in the recess provided in the trunk lid. Power "close" via button on inside of trunk lid.	x
• Power door close assist for last inches of all four doors. Includes Power rear child locks.	x
• Four assist handles with slow retraction feature and integrated reading lights	x
• Power sunshades for rear side windows	x
• Power sunshade for rear window	x
• Right/left illuminated vanity mirrors in sunvisors (normal and magnified mirrors included)	x
• Windshield wipers with 4-position adjustable delay and rainsensor (located in interior rearview mirror housing) - automatically switches on windshield wipers in wet conditions when in intermittent position	x
• 12 V power source in left side of trunk	x
Seating	
• 4-seating configuration with 2 individual power rear seats (fore/aft & inclination adjustment, easy-entry function via MMI) with 4-way lumbar and extended center console in the rear	x
• 5-seating configuration with rear bench for 3 passengers and 4-way lumbar (replaces individual power rear seats and long center console)	no cost
• Premium leather upholstery (Valcona leather seats, perforated) with Alcantara door panel inserts	x
• Piping and Stitching for Seats and Headrests - Black, Beige and Cream Beige seats with clay piping/stitching - Platinum seats with gray piping/stitching - Amaretto Seats with black piping/stitching - No piping/stitching for blue seats	x
• 16-way power front driver and passenger seats with: - 4-way power lumbar adjustment - power fore/aft, height, angle and seatback-angle adjustment - power front head restraint & seat belt height adjustment - power upper seatback adjustment for angle of top third of seatback - power seat depth adjustment (seat foam and upholstery are drawn out, no gap) - 4 memory positions for driver and passenger seat, outside mirrors, head restraint, steering wheel positions and climate control settings	x
• Heated front and rear seats	x
• Front seat ventilation and massage to remove heat and moisture, and to massage and relax back muscles. Seat ventilation by means of fan in each of the front seatbacks/seat bases, activated via button in front climate control unit. Massage through movements of lumbar element, activated via button at side of seat. Comes with perforated leather.	x
• Front seat back map pockets	x
• Power lumbar adjustment for rear outboard positions	x
• 3 adjustable head restraints for rear seat	x
• Concealable center rear headrest	x



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Interior	
• Alcantara door panel inserts in all doors	x
• Door armrests and Center Console in Leather with Premium Stitching	x
• Lower dashboard, glovebox and door trim in Leather with Premium Stitching	x
• Upper dashboard and full door panel in Leather with Premium Stitching, pockets on front seat backs and power seat controls in leather. Available for sold orders only.	sold order option
• Genuine wood inlays in instrument panel, center console and door panels in Brown Polished Walnut, Sycamore, or Beige Birch	x
• Aluminum-design for trim around air vents and MMI display, control unit below central vents, electromechanical parking switch and ring around light switch.	x
• Full length front center console with: - forward storage area and storage area under front center armrest - adjustable rear passenger air vents, rear seat heater controls and rear power outlet	x
• Dual cupholders in front center console	x
• Dual front center armrests, folding and height adjustable with storage capability	x
• Extended rear center console with: - 4-zone climate control - 2 headphone jacks for Rear Seat Entertainment System - 12 V power outlet - storage area Not available with optional 5-seating configuration.	x
• Rear center armrest, folding, with cupholders and first aid kit	x
• Personal refrigerator in pass through to trunk. - Refrigerator with compressor, temperature control range + 50° to - 5° Fahrenheit (+10° to -15° C) - Cooling compartment for 2 x 33 ounce bottles, horizontal (2 x 1 liter) - Additional compartment including 2 glasses (horizontal) - Interior lighting with LED technology Located in pass through instead of ski bag. Retrofitting to ski bag possible. Impact on trunk volume: approx. - 1.1 cu.ft. (- 30 liters) Available from quattro GmbH, sold orders only. Not available with optional 5 seating configuration.	sold order option
• Bose® Premium 12-speaker sound system with surround sound, subwoofer, center fill speaker and AudioPilot® noise compensation technology	x
• AM/FM radio integrated in MMI with Radio Data System (RDS)	x
• 6-CD changer in glove box	x
• Satellite Radio pre-wiring ²	x
• Satellite Radio (choice of XM or Sirius) ²	o
• Diversified (five) antenna in rear window	x
• Audi DVD Navigation System with 7" color screen display and display in driver information display ³	x
• Rear Seat Entertainment System with 2 displays in front seat headrests, 6 DVD Changer (located in the trunk), remote control, 1 set of headphones, 2 A/V and 2 headphones connections in rear center console.	x
• HomeLink® 3 channel remote transmitter located in headliner console	x
• Backlit electro-luminescent instrument cluster with automatic brightness control including: - tachometer, electronic speedometer, voltmeter, fuel/coolant and oil temperature gauges - digital clock with date - digital odometer and trip odometer	x
• Digital odometer with service interval indicator	x
• Driver information display including: - 8-color LCD display - outside temperature display plus 5-function trip computer - radio display + additional Navigation arrows - active Auto Check system with speed warning device - pictogram display for open door and trunk lid	x
• Immobilizer III anti-theft alarm system with blinking theft-deterrent light in driver's door with tilt sensor	x
• Bluetooth® cellular phone preparation ⁴ , integrated in MMI. Includes address book functionality.	x
• Voice control for radio, CD, Navigation and phone	x

² Satellite radio is only available in Continental U.S. Activation and first three months of service free of charge.



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Safety	
• Anti-lock braking system (ABS) with vacuum power assist, Electronic Braking-pressure Distribution (EBD), Electronic Differential Lock (EDL), hydraulic Brake Assist, and traction control (ASR)	x
• High-performance aluminum fist-caliper brake system, front brake discs 360 mm diameter with 2 piston calipers, rear discs 310 mm diameter with 1 piston caliper	x
• Electromechanical parking brake lever with emergency brake function	x
• Driver and front passenger dual-stage and dual-threshold next generation airbags supplemental restraint *	x
• Side airbag supplemental restraint for front and rear outboard occupants (seat mounted) *	x
• SIDEGUARD™ head protection airbag supplemental restraints for front and rear occupants	x
• Driver and front passenger knee protection airbags *	x
• Front 3-point safety belts with automatic pretensioning, height adjustable upper mounts and force limiters	x
• Rear 3-point safety belts with automatic pretensioning and angle adjustment	x
• Front passenger side, and rear safety belts with Convertible Locking Retractor (ALR and ELR modes)	x
• Active front head restraints, automatically pivot forward in the event of a rear-end collision	x
• Lower Anchorage and upper Tether Child seat provisions (LATCH) in rear	x
• Child-safety rear door locks	x
• Power central locking system w/safety unlock (unlocks doors & turns on interior lights if airbag deploys)	x
• Active red reflectors in rear of all doors when open	x
• First aid kit in rear center armrest	x
• Trunk release handle in trunk interior	x
• Tire pressure monitoring system	x

■ The Audi Navigation system depends upon signals from the worldwide 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 a new DVD will be required in order to maintain the latest navigation information. This will be available for purchase from time to time at additional cost. Consult your dealer or call 1-800-FOR-AUDI for details. The Audi Navigation System is designed to provide you with suggested routes in locating addresses, destinations and other points of interest. Changes in street names, construction zones, traffic flow, points of interest or other road system changes are beyond the control of Audi of America, Inc. Complete, detailed mapping of lanes, roads, streets, toll roads, highways, etc., is not possible, therefore you may encounter discrepancies between the mapping and your actual location. Please rely on your individual judgment in determining whether or not to follow a suggested Audi Navigation System route.

■ Your Audi vehicle is equipped with a phone preparation utilizing Bluetooth® interface to enable hands-free functionality (compatible mobile phones sold separately). You will need a Bluetooth enabled mobile phone in order to utilize this function. Not all Bluetooth enabled mobile phone models are compatible with Audi's phone preparation. Visit our web site, audiusa.com (audicanada.ca), or contact your local Audi dealer, for the latest listing of compatible phones. Audi recommends the use of the Audi phone cradle (sold separately) with your mobile phone while operating this vehicle.

2005 Audi A8 L W12 quattro Option Program

(Accurate at time of printing)



Legend	A8 L W12 quattro®
x = included in package o = Optional	
Options	
Separate options	
• Adaptive Cruise Control	o
• Solar sunroof - maintains power supply to the fan when car is parked in the sun. Replaces glass sunroof.	o
• Satellite radio (choice of XM or Sirius) ²	o
No cost options	
• 18" 5-spoke cast-alloy wheels with all-season tires	o
• 19" 12-spoke polished forged alloy wheels with performance tires ¹	o
• Multi-function 4-spoke leather steering wheel in dashboard color, heated, with MMI controls, shift paddles and leather shift knob (available at no cost, replaces wood steering wheel and wood shift knob)	o
• 5-seating configuration with rear bench for 3 passengers and 4-way lumbar (replaces individual power rear seats and long center console)	o
Separate options "Sold Orders Only" (Items can be ordered on sold orders only)	
• 20" 9-spoke forged alloy wheels with performance tires ¹ , 18" temporary spare wheel. Please advise the customer, while this selection of tires delivers responsive handling, they may ride less comfortably and transmit more road noise than other choices.	o
• Full Leather Upgrade (upper dashboard and full door panel in Leather with Premium Stitching, pockets on front seat backs and power seat controls in leather). Available for sold orders only.	o
• Personal refrigerator in pass through to trunk. Available from quattro GmbH, sold orders only. Not available with optional 5 seating configuration.	o

- Performance 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 four all-season or winter tires, which offer better traction under those conditions. We suggest you use the recommended winter or all-season tires specified for your car, or their equivalent. These high-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. Serious wheel and tire damage may occur if the vehicle is operated on rough or damaged road surfaces or upon encountering road debris or obstacles. 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. Finally, these tires may wear more quickly than other choices. For more information on all of these topics, please consult the owner's manual, your local dealer, or call 1-800-FOR-AUDI.
- Satellite radio is only available in Continental U.S. Activation and first three months of service free of charge.

Note: For the most up-to-date ordering information, please refer to the latest version of the order guide.

2005 Audi A8 L W12 quattro
Technical Specifications

(Accurate at time of printing)



Technical Specifications 2005 Audi A8 L W12 quattro				
ENGINE:				
Type	DOHC aluminum alloy 15° V-angle and 72° bank angle W12. Engine code: BSB.			
Arrangement	Front mounted, longitudinal			
Bore	3.31 in.	84 mm		
Stroke	3.55 in.	90.2 mm		
Displacement	366 cu. in.	5998 cc		
Compression ratio	11.0 : 1			
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance			
Horsepower (SAE)	450 hp	@ 6,200	rpm	
Torque	428 lb.-ft.	@ 4,000 - 4,700	rpm	
ENGINE DESIGN:				
Cylinder block	Aluminum silicon alloy (Alusil)			
Crankshaft	Forged, heat-treated steel, 7 bearings, weighing 21.2 kilograms. Crankpins are offset to achieve a constant firing order as on a V6 engine.			
Cylinder head	Aluminum alloy			
Valve train / intake	DOHC, double overhead camshafts driven by a single chain, low-friction roller cam followers, 2 inlet & 2 exhaust valves per cylinder. Infinitely variable timing control for camshafts (52° at inlet and 22° at exhaust valves)			
Firing order	1 - 12 - 5 - 8 - 3 - 10 - 6 - 7 - 2 - 11 - 4 - 9			
Cooling system	Water-cooled, thermostatically controlled radiator fan. Water pump in cylinder block/crankcase, map-controlled electronically controlled continued coolant circulation pump, coolant thermostat, hydraulic fan and electric fan, coolant circulation, and water cooled alternator.			
Lubrication system	Gear pump, pressure lubrication, full flow through oil cooler			
Fuel injection / Ignition system	Fully electronic engine management utilizing Bosch Motronic® ME7.1.1., sequential injection with electronic throttle control, hot-film air-mass sensing, cylinder selective knock control via 4 sensors and permanent lambda control.			
Emission system	Air gap insulated exhaust manifolds, 4 close-coupled 3-way ceramic catalytic converters, 8 oxygen sensors.			
ELECTRICAL SYSTEM:				
Battery	12 volts	110 amp/hr		
Alternator	14 volts	190 amp		
DRIVETRAIN:				
Transmissions	6-speed Tiptronic transmission			
Type	<p style="text-align: center;">quattro all-wheel drive</p> <p style="text-align: center;">6-speed Tiptronic transmission</p>			
Gear ratios:	1st	4.171:1		
	2nd	2.340:1		
	3rd	1.521:1		
	4th	1.143:1		
	5th	0.867:1		
	6th	0.691:1		
	Final Drive	3.317:1		
	Reverse	3.403:1		
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	Maintenance-free rack-and-pinion steering with Servotronic variable speed-based power assist			
Turns (lock-to-lock)	2.8			
Turning circle (curb-to-curb)	41.7 ft.	12.7 m		
SUSPENSION:				
Fully Pneumatic	Air Suspension Struts at all four wheels.			
	Air Strut damping characteristics are continuously adjusted via sensors.			
	Four driver-activated suspension settings (Dynamic, Standard, Lift, and Automatic)			
BRAKES:				
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster			
Front, size and type	15.2 in.	385x36 mm	- Ventilated disc, 2 piston calipers	
Rear, size and type	13.2 in.	335x22 mm	- Ventilated disc, 1 piston caliper	
Parking brake	Electro-mechanically actuated at the rear wheels			
WHEELS:				
	Standard 19" (C7G)		Optional 20" (CQ2)	No cost 18" (CG3)
Size	8.5J x 19		9J x 20	8.5J x 18
Offset	45 mm		46 mm	45 mm
Weight	11,100 g / 24.5 lbs		14,750 g / 32.5 lbs	12,800 g / 28.2 lbs
Type	Forged alloy		Forged alloy	Cast alloy
	Standard 19" (HT2) a/s		No cost 19" (H4L) Perf. ¹	Optional 20" (H9N) Perf. ¹
Size	255 / 40		255 / 40	275 / 35
Speed rating	V		Y	H
Construction	Radial		Radial	Radial
Load Index	100		102	99
Brand / Type (all approved)	Pirelli P6 Four Season		Pirelli P Zero Rosso	Pirelli P6 Four Seasons
			Dunlop SP 9000	Dunlop Sportmaxx
			Bridgestone Potenza RE 040	Conti Sport Contact 2
				Conti TouringContact Ch 95

2005 Audi A8 L W12 quattro
Technical Specifications

(Accurate at time of printing)



Technical Specifications 2005 Audi A8 L W12 quattro			
BODY:			
Material	Audi Space Frame construction (aluminum alloy) with aluminum alloy body panels		
Corrosion protection	Multi-step anti-corrosion protection		
CAPACITIES:			
Engine oil incl. Filter	13 qt.	12.5 liter	
Fuel tank	23.8 gal.	90 liter	
Cooling system	19.972 qt.	18.9 liter	
EXTERIOR DIMENSIONS:			
Wheelbase	121.0 in.	3074 mm	
Track:	front	63.7 in.	1619 mm
	rear	63.2 in.	1605 mm
Overall length	204.4 in.	5192 mm	
Overall width	74.6 in.	1894 mm	
Overall width with mirrors	79.8 in.	2028 mm	
Height (unloaded)	57.3 in.	1455 mm	
Ground clearance	(loaded)	4.72 in.	120 mm
	(variance)	+/- 1 in.	+/- 25 mm
Curb weight	4729 lbs.	2145 kg	*** Ground clearance is dependent on Suspension Mode setting
Drag coefficient	Cw = 0.27	Frontal Area = 2.31 sq. m.	*** Ground clearance is dependent on Suspension Mode setting
INTERIOR DIMENSIONS (SAE measurements):			
Seating Capacity	4 or 5		
EPA class	Large		
Head room	front	37.4 in.	951 mm (with sunroof)
	rear	38.3 in.	974 mm
Shoulder room	front	59.1 in.	1500 mm
	rear	57.5 in.	1461 mm
Leg room	front	41.3 in.	1049 mm
	rear	42.3 in.	1075 mm
Interior volume	front	52.8 cu. ft.	1496.7 liters
	rear	54.0 cu. ft.	1529.9 liters
	total	121.4 cu. ft.	3439.5 liters
Luggage Volume (SAE)	14.6 cu. ft.	412.9 liters	
PERFORMANCE:			
0-50 mph (0-80kmh)	3.9 sec.		
0-60 mph (0-100 km/h)	5.0 sec.		
Top speed	Top speed is electronically limited at 130 MPH (209 km/h)		
FUEL ECONOMY (EPA estimate):			
City	15 mpg		
Highway	21 mpg		
Combined	17 mpg		
FUEL ECONOMY: Canadian Estimate			
City	n/a liters/100km		
Highway	n/a liters/100km		

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