

<b>Technical Specifications</b>	<b>2006 Audi A6 3.2 FSI quattro Avant</b>
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<b>ENGINE:</b>	
Type	V6, spark-ignition direct injection
Arrangement	Front mounted, longitudinal
Bore	3.33 in.    84.5 mm
Stroke	3.65 in.    92.8 mm
Displacement	191 cu. in.    3123 cc
Compression ratio	12.5:1
Fuel requirement	Regular unleaded (87 AKI), Premium unleaded (91 AKI) recommended for maximum performance
Horsepower (SAE)	255 hp    @ 6500 rpm
Max. Torque	243 lbs. ft.    @ 3250 rpm

<b>ENGINE DESIGN:</b>	
Cylinder block	Aluminium alloy
Crankshaft	Forged Steel
Cylinder head	Aluminium alloy
Valve train / intake	DOHC, chain driven, continuous camshaft adjustment for the intake and exhaust valves
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	fully electronic management with drive-by-wire throttle control, petrol direct injection, cylinder-selective lamda control mapped ignition with solid-state high-voltage distribution, manifold-pressure controlled system
Emission system	two close-coupled ceramic main catalytic converters

<b>ELECTRICAL SYSTEM:</b>	
Battery	12 volts    92 amp/hr
Alternator	14 volts    180 amp

<b>DRIVETRAIN:</b>	
Transmission	Six-speed automatic with Tiptronic®, automatic shift lock, and Dynamic Shift Program
Type	<b>quattro</b>
	Automatic
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
Reverse	3.403 : 1
Final Drive	3.539 : 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)

<b>STEERING:</b>	
Type	vehicle speed-sensitive power rack and pinion
Ratio	16.1:1
Turns (lock-to-lock)	2.74
Turning circle (curb-to-curb)	39.0 ft.    11.9 m

<b>SUSPENSION:</b>	
Front	Four link, anti roll bar, twin-tube-gas-filled shock absorbers
Rear (FrontTrak)	
Rear (quattro)	Trapezoidal-link, twin-tube-gas-filled shock absorbers

<b>BRAKES:</b>	
Service brake	Electronic stability program (ESP 8) with anti-lock brake, electronic rear brake pressure proportioning, vacuum power assist, asbestos free linings, dual diagonal circuits

