

2005-09 SPECIFICATIONS INDEX

A6 & S6

SPECIFICATIONS INDEX

SPECIFICATIONS INDEX

System	Specification/Procedure
Air Conditioning	
Service	<u>REFRIGERANT CIRCUIT, SERVICING CAPACITIES</u>
Torque	<u>COMPRESSOR (4 OR 6-CYL. ENGINE), REMOVING AND INSTALLING</u> <u>COMPRESSOR (8-CYL. ENGINE), REMOVING AND INSTALLING</u> <u>COMPRESSOR (10-CYL. ENGINE), REMOVING AND INSTALLING</u>
Axle Nut/Hub Nut	
Front	<u>WHEEL BEARING HOUSING, WHEEL BEARING UNIT, ASSEMBLY OVERVIEW</u>
Rear	<u>WHEEL BEARING HOUSING, WHEEL BEARING UNIT, SHOCK ABSORBER FOR COIL SPRING, ASSEMBLY OVERVIEW</u>
Battery	<u>NO LOAD VOLTAGE, CHECKING</u>
Brakes	
Bleeding Sequence	<u>BLEEDING BRAKING SYSTEM</u>
Disc Brakes	<u>GENERAL, TECHNICAL DATA</u>
Torque	<u>BRAKES - MECHANICAL COMPONENTS</u> <u>BRAKES - HYDRAULIC COMPONENTS</u>
Charging	
Generator	<u>GENERATOR, SERVICING</u>
Torque	
3.2L	<u>VEHICLES WITH 3.2L FSI ENGINES</u>
4.2L	<u>VEHICLES WITH 4.2L MPI ENGINE</u>
5.2L	<u>VEHICLES WITH 5.2L FSI ENGINES</u>
Drive Belts	
Adjustment & Belt Routing	
3.2L	<u>RIBBED BELT DRIVE, COMPONENT OVERVIEW</u>
4.2L	<u>RIBBED BELT, REMOVING AND INSTALLING (BNK - 2005-06)</u> <u>RIBBED BELT, REMOVING AND INSTALLING (BVJ - 2007-09)</u>
5.2L	<u>RIBBED BELT, REMOVING AND INSTALLING</u>
Engine Cooling	
General Service Specifications	
3.2L	<u>COOLING SYSTEM, DRAINING AND FILLING</u>
4.2L	<u>COOLING SYSTEM, DRAINING AND FILLING (BNK - 2005-06)</u>

2008 Audi A6 Quattro

2005-09 SPECIFICATIONS INDEX A6 & S6

	<u>COOLING SYSTEM, DRAINING AND FILLING (BVJ - 2007-09)</u>
5.2L	<u>COOLING SYSTEM, DRAINING AND FILLING</u>
Radiator Cap Pressure	1.4-1.6 Bar
Thermostat R & I	
3.2L	<u>COOLANT THERMOSTAT, REMOVING AND INSTALLING</u>
4.2L	<u>COOLANT THERMOSTAT, REMOVING AND INSTALLING (BNK - 2005-06)</u> <u>MAP CONTROLLED ENGINE COOLING THERMOSTAT F265 , REMOVING AND INSTALLING (BVJ - 2007-09)</u>
5.2L	<u>COOLANT TEMPERATURE HOUSING, REMOVING AND INSTALLING</u>
Water Pump R & I	
3.2L	<u>COOLANT PUMP, REMOVING AND INSTALLING</u>
4.2L	<u>COOLANT PUMP, REMOVING AND INSTALLING (BNK - 2005-06)</u> <u>COOLANT PUMP, REMOVING AND INSTALLING (BVJ - 2007-09)</u>
5.2L	<u>COOLANT PUMP, REMOVING AND INSTALLING</u>
Engine Mechanical	
3.2L	
Compression	<u>COMPRESSION, CHECKING</u>
Oil Pressure	At Idle: Min. 1.2 Bar At 2000 RPM: Min. 3.4 Bar
Overhaul	<u>ENGINE - CRANKSHAFT, CYLINDER BLOCK</u>
Torque	See Appropriate Procedure
4.2L	
Compression	<u>COMPRESSION PRESSURES, CHECKING (BNK - 2005-06)</u> <u>COMPRESSION PRESSURE, MEASURING (BVJ - 2007-09)</u>
Oil Pressure	BNK - 2005-06 At 2000 RPM: Min.2.0 Bar At 3500 RPM: Min.3.5 Bar BVJ - 2007-09 At Idle: Min.1.5 Bar At 2000 RPM: Min.3.5 Bar
Overhaul	<u>ENGINE, DISASSEMBLING AND ASSEMBLING (BNK - 2005-06)</u> <u>ENGINE - CRANKSHAFT, CYLINDER BLOCK (BVJ - 2007-09)</u>
Torque	See Appropriate Procedure
5.2L	
Compression	<u>COMPRESSION, CHECKING</u>
Oil Pressure	At Idle: Min.1.5 Bar At 2000 RPM: Min.3.5 Bar
Overhaul	<u>ENGINE - CRANKSHAFT, CYLINDER BLOCK</u>
Torque	See Appropriate Procedure
Fluid	See FLUIDS under MAINTENANCE tab.

2008 Audi A6 Quattro

2005-09 SPECIFICATIONS INDEX A6 & S6

Specifications	
Flywheel/Flex Plate Torque	60 Nm + 90°
Fuel System	
Pressure Specification	
3.2L	Approx: 6.0 Bar (Before high-pressure pump)
4.2L	Approx: 4.0 Bar (BNK - 2005-06) Approx: 6.0 Bar (Before high-pressure pump) (BVJ - 2007-09)
5.2L	Approx: 5.0-7.0 Bar
Fuel Pressure Test Procedure	
3.2L	<u>FUEL PRESSURE AND RESIDUAL PRESSURE BEFORE HIGH PRESSURE PUMP, CHECKING</u>
4.2L	<u>FUEL PRESSURE AND RESIDUAL PRESSURE BEFORE HIGH PRESSURE PUMP, CHECKING (BNK - 2005-06)</u> <u>FUEL PRESSURE REGULATOR AND RESIDUAL PRESSURE, CHECKING (BVJ - 2007-09)</u>
5.2L	<u>FUEL PRESSURE AND RESIDUAL PRESSURE BEFORE HIGH PRESSURE PUMP, CHECKING</u>
Ignition	
Firing Order & Cylinder Identification	
3.2L	<u>FIRING ORDER & CYLINDER IDENTIFICATION</u>
4.2L	<u>FIRING ORDER & CYLINDER IDENTIFICATION</u>
5.2L	<u>FIRING ORDER & CYLINDER IDENTIFICATION</u>
Ignition Wires (Resistance)	Coil-On-Plug
Ignition Wires (Routing)	Coil-On-Plug
Spark Plug	
3.2L	<u>TECHNICAL DATA</u>
4.2L	
BNK Engine	<u>TECHNICAL DATA (BNK - 2005-06)</u>
BVJ Engine	<u>TEST DATA (BVJ - 2007-09)</u>
5.2L	<u>TEST DATA, SPARK PLUGS</u>
Starting	
Starter/Torque	
3.2L	<u>VEHICLES WITH 3.2L FSI ENGINES</u>
4.2L	<u>VEHICLES WITH 4.2L MPI ENGINE</u>
5.2L	<u>VEHICLES WITH 5.2L FSI ENGINES</u>
Wheel Alignment	
Adjustment Specifications	<u>SPECIFICATIONS FOR WHEEL ALIGNMENT</u>
Torque	<u>FRONT - WHEEL BEARING HOUSING, WHEEL BEARING UNIT</u>

2008 Audi A6 Quattro

2005-09 SPECIFICATIONS INDEX A6 & S6

**REAR - WHEEL BEARING HOUSING, WHEEL BEARING UNIT,
SHOCK ABSORBER FOR COIL SPRING**

Wheel & Tire

Wheel Lug Nut
Torque

120 Nm