

COMMON SPECS & PROCEDURES

CTS Coupe & Wagon

COMMON SPECS & PROCEDURES INDEX

CTS COUPE & WAGON COMMON SPECS & PROCEDURES

System	Specification/Procedure
Air Conditioning	
Service	<u>REFRIGERANT SYSTEM SPECIFICATIONS</u>
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS</u>
Axle Nut/Hub Nut	
Front	215 N.m (158 lb ft.)
Rear	215 N.m (158 lb ft.)
Battery	<u>BATTERY USAGE</u>
Brakes	
Bleeding Sequence	Right Rear, Left Front, Left Rear, Right Front <u>HYDRAULIC BRAKE SYSTEM BLEEDING (MANUAL)</u> Or <u>HYDRAULIC BRAKE SYSTEM BLEEDING (PRESSURE)</u>
Disc Brakes	
Service Specifications	<u>DISC BRAKE COMPONENT SPECIFICATIONS</u>
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS</u>
Charging	
Generator	<u>GENERATOR USAGE</u>
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS</u>
Drive Belts	
Adjustment	Non-Adjustable Serpentine Belt
Drive Belt Routing	For 3.0L And 3.6L, See the figure under <u>DRIVE BELT REPLACEMENT</u> For 6.2L, See the figure under <u>SUPERCHARGER BELT REPLACEMENT</u> Or <u>DRIVE BELT REPLACEMENT - ACCESSORY</u>
Engine Cooling	
General Service Specifications	N/A
Radiator Cap Pressure	Pressure Stamped On Cap
Thermostat R & I	
3.0L & 3.6L	<u>ENGINE COOLANT THERMOSTAT REPLACEMENT (LFW OR LFX)</u>
6.2L	<u>ENGINE COOLANT THERMOSTAT REPLACEMENT (LSA)</u>
Water Pump R & I	

3.0L & 3.6L	<u>WATER PUMP REPLACEMENT (LFX)</u>
6.2L	<u>WATER PUMP REPLACEMENT (LSA)</u>
Engine Mechanical	
3.0L & 3.6L	
Compression	<u>ENGINE COMPRESSION TEST</u>
Oil Pressure	69 kPa (10 psi) @ Idle 138 kPa (20 psi) @ 2,000 RPM
Overhaul	<u>ENGINE MECHANICAL SPECIFICATIONS (LFW)</u> <u>ENGINE MECHANICAL SPECIFICATIONS (LFX)</u>
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS</u>
6.2L	
Compression	<u>6.2L ENGINE COMPRESSION TEST</u>
Oil pressure	165 kPa at 1,000 engine RPM (24 psig at 1,000 engine RPM) 241 kPa at 2,000 engine RPM (35 psig at 2,000 engine RPM) 262 kPa at 3,000 engine RPM (38 psig at 3,000 engine RPM)
Overhaul	<u>ENGINE MECHANICAL SPECIFICATIONS (6.2L LSA)</u>
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS (6.2L LSA)</u>
Fluid Specifications	See FLUIDS under MAINTENANCE/FLUIDS tab. From within Manager or Service Writer, click the "30/60/90 Interval" or "Maint." button.
Flywheel/Flex Plate/Drive Plate Torque	
3.0L & 3.6L	A/T First Pass 30 N.m (22 lb ft) - Use NEW Fasteners A/T Final Pass 45 Degrees 49 lb ft - Use NEW Fasteners M/T 67 N.m - Use NEW Fasteners
6.2L	A/T First Pass 20 N.m (15 lb ft) A/T Second Pass 50 N.m (37 lb ft) A/T Final Pass 100 N.m (74 lb ft) M/T First Pass 37 lb ft 50 N.m - Use NEW Fasteners M/T Final Pass An Additional 45 Degrees - Use NEW Fasteners
Fuel System	
Pressure Specification	3.0L & 3.6L - Ignition ON, Engine OFF 345 - 690 kPa (50-100 psi) 6.2L - Ignition ON, Engine OFF 380 - 520 kPa (55-76 psi)
Fuel Pressure Test Procedure	3.0L & 3.6L - <u>CIRCUIT/SYSTEM VERIFICATION</u> 6.2L - <u>CIRCUIT/SYSTEM VERIFICATION</u>
Fuel Filter Location	3.0L & 3.6L - The fuel filter is contained in the fuel sender assembly inside the fuel tank 6.2L - The fuel filter is located in the primary fuel pump module
Fuel Filter R & I	3.0L & 3.6L - N/A 6.2L - N/A
Ignition	
Firing Order & Cylinder Identification	<u>COMMON SPECS & PROCEDURES INDEX</u>
Ignition Wires (Resistance)	3.0L & 3.6L coil on plug 6.2L 170-220 ohms per 25.4 mm (1.0 in)
Ignition Wires (Routing)	

3.0L & 3.6L	coil on plug
6.2L	See illustrations under <u>SPARK PLUG WIRE REPLACEMENT</u>
Spark Plug	
3.0L & 3.6L See parts catalog for part number.	
Gap	0.95-1.1 mm (0.0375-0.0433 in)
Torque	18 N.m (13 lb ft)
6.2L See parts catalog for part number.	
Gap	0.95-1.1 mm (0.0375-0.0433 in)
Torque	20 N.m (15 lb ft)
Starting	
Starter	N/A
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS</u>
Wheel Alignment	
Adjustment Specifications	<u>WHEEL ALIGNMENT SPECIFICATIONS</u>
Torque	<u>FASTENER TIGHTENING SPECIFICATIONS</u>
Wheel & Tire	
Wheel Lug Nut Torque	165 N.m (122 lb ft) For Wheel Nut Tightening Sequence, See Illustration Under <u>INSTALLATION PROCEDURE</u>