

## COMMON SPECS & PROCEDURES

### CTS - Sedan

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| 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                        | NA                                                                                                                                                                        |
| Brakes                         |                                                                                                                                                                           |
| Bleeding Sequence              | Right Rear, Left Front, Left Rear, Right Front<br><u>HYDRAULIC BRAKE SYSTEM BLEEDING (MANUAL)</u> Or<br><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                      | NA                                                                                                                                                                        |
| Torque                         | <u>FASTENER TIGHTENING SPECIFICATIONS</u>                                                                                                                                 |
| Drive Belts                    |                                                                                                                                                                           |
| Adjustment                     | Non-Adjustable Serpentine Belt                                                                                                                                            |
| Drive Belt Routing             | For 2.0L, See the figure under <u>DRIVE BELT REPLACEMENT</u><br>For 3.6L, See the figure under <u>DRIVE BELT REPLACEMENT (LFX)</u> or <u>DRIVE BELT REPLACEMENT (LF3)</u> |
| Engine Cooling                 |                                                                                                                                                                           |
| General Service Specifications | N/A                                                                                                                                                                       |
| Radiator Cap Pressure          | Pressure Stamped On Cap                                                                                                                                                   |
| Thermostat R & I               |                                                                                                                                                                           |
| 2.0L                           | <u>ENGINE COOLANT THERMOSTAT HOUSING REPLACEMENT (LTG)</u>                                                                                                                |
| 3.6L                           | <u>ENGINE COOLANT THERMOSTAT HOUSING REPLACEMENT (LFX, LF3)</u>                                                                                                           |
| Water Pump R & I               |                                                                                                                                                                           |
| 2.0L                           | <u>WATER PUMP REPLACEMENT (LTG)</u>                                                                                                                                       |

|                                               |                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.6L                                          | <b><u>WATER PUMP REPLACEMENT (LFX, LF3)</u></b>                                                                                                        |
| <b>Engine Mechanical</b>                      |                                                                                                                                                        |
| 2.0L (LTG)                                    |                                                                                                                                                        |
| Compression                                   | <b><u>ENGINE COMPRESSION TEST</u></b>                                                                                                                  |
| Oil Pressure                                  | 140-200 kPa (20-29 psi) @700 RPM 100°C                                                                                                                 |
| Overhaul                                      | <b><u>ENGINE MECHANICAL SPECIFICATIONS</u></b>                                                                                                         |
| Torque                                        | <b><u>FASTENER TIGHTENING SPECIFICATIONS</u></b>                                                                                                       |
| 3.6L (LF3, LFX)                               |                                                                                                                                                        |
| Compression                                   | <b><u>ENGINE COMPRESSION TEST</u></b>                                                                                                                  |
| Oil pressure                                  | 69 kPa at Idle (10 psig at Idle)<br>138 kPa at 2,000 engine RPM (20 psig at 2,000 engine RPM)                                                          |
| Overhaul                                      | <b><u>ENGINE MECHANICAL SPECIFICATIONS (LF3)</u></b><br><b><u>ENGINE MECHANICAL SPECIFICATIONS (LFX)</u></b>                                           |
| Torque                                        | <b><u>FASTENER TIGHTENING SPECIFICATIONS (LF3)</u></b><br><b><u>FASTENER TIGHTENING SPECIFICATIONS (LFX)</u></b>                                       |
| Fluid Specifications                          | See FLUIDS under MAINTENANCE/FLUIDS tab. From within Manager or Service Writer, click the "30/60/90 Interval" or "Maint." button.                      |
| <b>Flywheel/Flex Plate/Drive Plate Torque</b> |                                                                                                                                                        |
| 2.0L                                          | First Pass 30 N.m (22 lb ft)<br>Final Pass 40 Degrees                                                                                                  |
| 3.6L                                          | First Pass 30 N.m (22 lb ft)<br>Final Pass 45 Degrees                                                                                                  |
| <b>Fuel System</b>                            |                                                                                                                                                        |
| Pressure Specification                        | 2.0L - Ignition ON 380 - 520 kPa (55-76 psi)<br>Engine Idling - 300 - 400 kPa (43-58 psi)<br>3.6L - Ignition ON, Engine OFF 345 - 690 kPa (50-100 psi) |
| Fuel Pressure Test Procedure                  | 2.0L <b><u>CIRCUIT/SYSTEM VERIFICATION</u></b><br>3.6L <b><u>CIRCUIT/SYSTEM VERIFICATION</u></b>                                                       |
| Fuel Filter Location                          | 2.0L & 3.6L - Next To Fuel Tank                                                                                                                        |
| Fuel Filter R & I                             | 2.0L <b><u>FUEL FILTER REPLACEMENT</u></b><br>3.6L <b><u>FUEL FILTER REPLACEMENT</u></b>                                                               |
| <b>Ignition</b>                               |                                                                                                                                                        |
| Firing Order & Cylinder Identification        | <b><u>FIRING ORDER &amp; CYLINDER IDENTIFICATION</u></b>                                                                                               |
| Ignition Wires (Resistance)                   | 2.0L & 3.6L coil on plug                                                                                                                               |
| <b>Ignition Wires (Routing)</b>               |                                                                                                                                                        |
| 2.0L & 3.6L                                   | coil on plug                                                                                                                                           |
| <b>Spark Plug</b>                             |                                                                                                                                                        |
| 2.0L See parts catalog for part number.       |                                                                                                                                                        |
| Gap                                           | 0.95-1.10 mm (0.0375-0.0433 in)                                                                                                                        |

|                                         |                                                                                                                          |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Torque                                  | 20 N.m (15 lb ft)                                                                                                        |
| 3.6L See parts catalog for part number. |                                                                                                                          |
| Gap                                     | LF3 0.90 mm (.035 in)<br>LFX 0.95-1.1 mm (0.0375-0.0433 in)                                                              |
| Torque                                  | 25 N.m (18 lb ft)                                                                                                        |
| Starting                                |                                                                                                                          |
| Starter                                 | N/A                                                                                                                      |
| Torque                                  | <b><u>FASTENER TIGHTENING SPECIFICATIONS</u></b>                                                                         |
| Wheel Alignment                         |                                                                                                                          |
| Adjustment Specifications               | <b><u>WHEEL ALIGNMENT SPECIFICATIONS</u></b>                                                                             |
| Torque                                  | <b><u>FASTENER TIGHTENING SPECIFICATIONS</u></b>                                                                         |
| Wheel & Tire                            |                                                                                                                          |
| Wheel Lug Nut Torque                    | 140 N.m (103 lb ft)<br>For Wheel Nut Tightening Sequence, See Illustration Under<br><b><u>INSTALLATION PROCEDURE</u></b> |