

2017 COMMON SPECS AND PROCEDURES

Impala

COMMON SPECS AND PROCEDURES INDEX

IMPALA COMMON SPECS AND PROCEDURES

System	Specification/Procedure
Air Conditioning	
Service	<u>APPROXIMATE FLUID CAPACITIES</u>
Torque	<u>FASTENER SPECIFICATIONS</u>
Axle Nut/Hub Nut	
Front	First Pass 111 lb ft (150 N.m) Second Pass Loosen 45 degrees Last Pass 185 lb ft (250 N.m)
Battery	NA
Brakes	
Bleeding Sequence	RIGHT REAR, LEFT REAR, RIGHT FRONT, LEFT FRONT Manual See <u>HYDRAULIC BRAKE SYSTEM BLEEDING (MANUAL)</u> . Pressure See <u>HYDRAULIC BRAKE SYSTEM BLEEDING (PRESSURE)</u> .
Disc Brakes	
Service Specifications	<u>DISC BRAKE COMPONENT SPECIFICATIONS</u>
Torque	<u>FASTENER SPECIFICATIONS</u>
Charging	
Generator	NA
Torque	<u>CHARGING SYSTEM TEST</u>
Drive Belts	
Adjustment	Serpentine belt used, not adjustable
Drive Belt Routing	See figure under <u>DRIVE BELT REPLACEMENT</u> for 2.5L. See figure under <u>DRIVE BELT REPLACEMENT</u> for 3.6L.
Engine Cooling	
General Service Specifications	N/A
Radiator Cap Pressure	Pressure stamped on cap
Thermostat R & I	
2.5L	<u>ENGINE COOLANT THERMOSTAT HOUSING REPLACEMENT (LCV)</u>
3.6L	<u>ENGINE COOLANT THERMOSTAT REPLACEMENT (LFX)</u>
Water Pump R & I	
2.5L	<u>WATER PUMP REPLACEMENT (LCV)</u>
3.6L	<u>WATER PUMP REPLACEMENT (LFX)</u>
Engine Mechanical	
2.5L	
Compression	No cylinder reading should be less than 690 kPa (100 psi). The lowest reading should not be less than 70 percent of the highest reading. See <u>ENGINE COMPRESSION TEST</u>
Oil Pressure	Oil Pressure - @700 RPM 100°C 22-32 psi (154-220 kPa)
Overhaul	<u>ENGINE MECHANICAL SPECIFICATIONS</u>

System		Specification/Procedure
Torque	<u>FASTENER SPECIFICATIONS</u>	
3.6L		
Compression	No cylinder reading should be less than 690 kPa (100 psi). The lowest reading should not be less than 70 percent of the highest reading. See <u>ENGINE COMPRESSION TEST</u>	
Oil Pressure	Minimum @ Idle - 69 kPa (10 psi) Minimum @ 2,000 RPM - 138 kPa (20 psi)	
Overhaul	<u>ENGINE MECHANICAL SPECIFICATIONS</u>	
Torque	<u>FASTENER SPECIFICATIONS</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	2.5L First Pass - 22 lb ft (30 N.m) Final Pass - additional 40 Degrees 3.6L First Pass - 22 lb ft (30 N.m) Final Pass - additional 45 Degrees	
Fuel System		
Pressure Specification	2.5L Key On, Not Running - 345-650 kPa (50-94 psi) 2.5L Running - Scan Tool Reading 300-400 kPa (43-58 psi) 3.6L Key On, Not Running - 345-690 kPa (50-100 psi) 3.6L Running - Scan Tool Reading 300-400 kPa (43-58 psi)	
Fuel Pressure Test Procedure	See 2.5L <u>CIRCUIT/SYSTEM VERIFICATION</u> See 3.6L <u>CIRCUIT/SYSTEM VERIFICATION</u> .	
Fuel Filter Location	Fuel filter is part of the fuel tank fuel pump module. (Gas) Multiple Fuel Filters (CNG) See R&I	
Fuel Filter R & I (CNG) Fuel Filter R & I (GAS)	2.5L <u>FUEL TANK FUEL PUMP MODULE REPLACEMENT (NT5, NT7)</u> or 2.5L <u>FUEL TANK FUEL PUMP MODULE REPLACEMENT (NU6)</u> . 3.6L <u>FUEL TANK FUEL PUMP MODULE REPLACEMENT (NT5, NT7)</u> or 3.6L <u>FUEL TANK FUEL PUMP MODULE REPLACEMENT (NU6)</u>	
Ignition		
Firing Order & Cylinder Identification	<u>FIRING ORDER & CYLINDER IDENTIFICATION</u>	
Ignition Wires (Resistance)	Individual Ignition Coil/Module Assemblies	
Ignition Wires (Routing)		
2.5L Or 3.6L	Coil on plug.	
Spark Plug		
2.5L (Refer to Electronic Parts Catalog)		
Gap	0.0375-0.0433 in (0.95-1.10 mm)	
Torque	15 lb ft (20 N.m)	
3.6L (Refer to Electronic Parts Catalog)		
Gap	0.0375-0.0433 in (0.95-1.10 mm)	
Torque	13 lb ft (18 N.m)	
Starting		
Starter	N/A	
Torque	<u>FASTENER SPECIFICATIONS</u>	
Wheel Alignment		
Adjustment Specifications	<u>WHEEL ALIGNMENT SPECIFICATIONS</u>	
Torque	<u>FASTENER SPECIFICATIONS</u>	

System	Specification/Procedure
Wheel & Tire	
Wheel Lug Nut Torque	111 lb ft (150 N.m) For tightening sequence, see Wheel Nut Tightening Sequence figure under <u>INSTALLATION PROCEDURE</u> .

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