

2021 COMMON SPECS & PROCEDURES

Canyon, Colorado

COMMON SPECS & PROCEDURES INDEX

COMMON SPECS & PROCEDURES

SYSTEM	SPECIFICATION/PROCEDURE
Air Conditioning	
Service	<u>APPROXIMATE FLUID CAPACITIES</u>
Torque	<u>FASTENER SPECIFICATIONS</u>
Wheel Drive Shaft Nut	
Tighten (use NEW Nut)	185 lb. ft. (250 N.m)
Battery	<u>BATTERY INSPECTION/TEST</u> or <u>BATTERY ELECTRICAL DRAIN/PARASITIC LOAD TEST</u>
Brakes	
Bleeding Sequence	RIGHT REAR, LEFT FRONT, LEFT REAR, RIGHT FRONT See <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 SPECIFICATIONS</u>
Charging	
Generator	<u>CHARGING SYSTEM TEST</u>
Torque	<u>FASTENER SPECIFICATIONS</u>
Drive Belts	
Adjustment	Non-Adjustable Serpentine Belt
Drive Belt Routing	See the figure under:
2.5L	<u>DRIVE BELT REPLACEMENT</u>
2.8L	<u>DRIVE BELT REPLACEMENT</u>
3.6L	<u>DRIVE BELT REPLACEMENT</u>
Engine Cooling	
General Service Specifications	<u>SPECIFICATIONS</u>
Radiator Cap Pressure	<u>PRESSURE CAP TESTING</u>
Thermostat R & I	
2.5L	<u>ENGINE COOLANT THERMOSTAT HOUSING REPLACEMENT (LCV)</u>
2.8L	<u>ENGINE COOLANT THERMOSTAT REPLACEMENT (LWN)</u>
3.6L	<u>ENGINE COOLANT THERMOSTAT HOUSING REPLACEMENT (LGZ)</u>
Water Pump R & I	
2.5L	<u>WATER PUMP REPLACEMENT (LCV)</u>
2.8L	<u>WATER PUMP REPLACEMENT (LWN)</u>
3.6L	<u>WATER PUMP REPLACEMENT (LGZ)</u>
Engine Mechanical	
2.5L	
Compression	No cylinder reading should be less than 100 psi (690 kPa). The lowest reading should not be less than 70 percent of the

SYSTEM	SPECIFICATION/PROCEDURE
	highest reading See ENGINE COMPRESSION TEST
Oil Pressure	Minimum - @700 RPM @ 212B°F (100B°C): 22-32 psi (154-220 kPa)
Overhaul	ENGINE MECHANICAL SPECIFICATIONS
Torque	FASTENER SPECIFICATIONS
2.8L	
Compression	No cylinder reading should be less than 300 psi (2069 kPa). There should not be more than 345 kPa (50 psi) difference between cylinders See ENGINE COMPRESSION TEST
Oil Pressure	Minimum - Warm at Idle: 10 psi (70 kPa) Minimum - @ 3800 RPM: 36 psi (250 kPa)
Overhaul	ENGINE MECHANICAL SPECIFICATIONS
Torque	FASTENER SPECIFICATIONS
3.6L	
Compression	No cylinder reading should be less than 140 psi (965 kPa). The lowest reading should not be less than 70 percent of the highest reading ENGINE COMPRESSION TEST
Oil Pressure	Minimum @ Idle: 10 psi (69 kPa) Minimum @ 2000 RPM: 20 psi (136 kPa)
Overhaul	ENGINE MECHANICAL SPECIFICATIONS
Torque	FASTENER SPECIFICATIONS
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 Torque	Use NEW bolts
2.5L	
Flex Plate	First Pass: 22 lb ft (30 N.m) Final Pass: additional 40 degrees
Flywheel	First Pass: 22 lb ft (30 N.m) Final Pass: additional 80 degrees
2.8L	First Pass: 37 lb ft (50 N.m) Second Pass: Loosen 90 degrees Third Pass: 18 lb ft (25 N.m) Final Pass: additional 60 Degrees
3.6L	
Flex Plate	First Pass: 22 lb ft (30 N.m) Final Pass: Additional 45 degrees
Flywheel	49 lb ft (67 N.m)
Fuel System	
2.5L	
Pressure Specification	Ignition ON, Engine OFF: 50-94 psi (345-650 kPa)
Fuel Pressure Test Procedure	CIRCUIT/SYSTEM VERIFICATION
2.8L	
Pressure Specification	Ignition ON, Engine OFF: 60-80 psi (414-550 kPa).
Fuel Pressure Test Procedure	CIRCUIT/SYSTEM VERIFICATION
3.6L	
Pressure Specification	Ignition ON, Engine OFF: 50-94 psi (345-650 kPa)
Fuel Pressure Test Procedure	CIRCUIT/SYSTEM VERIFICATION

SYSTEM	SPECIFICATION/PROCEDURE
Fuel Filter Location	
2.5L & 3.6L	Fuel Filter is Part of the Fuel Tank Fuel Pump Module
2.8L	Fuel Filter is Part of the Fuel Filter Assembly
Fuel Filter R & I	
2.5L	See FUEL TANK FUEL PUMP MODULE REPLACEMENT
2.8L	See FUEL FILTER ASSEMBLY REPLACEMENT
3.6L	See FUEL TANK FUEL PUMP MODULE REPLACEMENT
Ignition	
Firing Order & Cylinder Identification	FIRING ORDER & CYLINDER IDENTIFICATION
Ignition Wires (Resistance)	Coil On Plug
Ignition Wires (Routing)	Coil On Plug
Spark Plug	
2.5L See Parts Catalog for Application	
Gap	0.95-1.10 mm (0.037-0.043 in)
Torque	20 N.m (15 lb ft)
3.6L See Parts Catalog for Application	
Gap	0.90 mm (0.035 in)
Torque	25 N.m (18 lb ft)
Starting	
Starter R & I	
2.5L	STARTER REPLACEMENT (LCV)
2.8L	STARTER REPLACEMENT (LWN)
3.6L	STARTER REPLACEMENT (LGZ)
Torque	FASTENER SPECIFICATIONS
Wheel Alignment	
Adjustment Specifications	WHEEL ALIGNMENT SPECIFICATIONS
Torque	FASTENER SPECIFICATIONS
Wheel & Tire	
Wheel Lug Nut Torque	140 lb ft (190 N.m) For Tightening Sequence, Please see the Figure Under INSTALLATION PROCEDURE