C - Specifications

INTRODUCTION

Use this article to quickly find specifications related to servicing and on-vehicle adjustments. This is a quick-reference article to use when you are familiar with proper adjustment procedures and only need a specification.

MODEL IDENTIFICATION

Vehicle model is identified by fourth character of Vehicle Identification Number (VIN). VIN is stamped on metal pad on top of left end of instrument panel, near windshield.

CAPACITIES

BATTERY SPECIFICATIONS

Application	Cold Crank Amps @ 0°F (-18°C)	Reserve Capacity Minutes
5.7L	(1)	(1)

(1) Information is not available at time of publication.

FLUID CAPACITY (CRANKCASE) (1)

Application	(2) Quantity Qts. (L)
5.7L	6.5 (6.2)

(1) Fluid capacities listed are approximate. Always fill to FULL mark.

(2) Includes oil filter capacity.

FLUID CAPACITY (COOLING SYSTEM) (1)

Application	(2) Quantity Qts. (L)
Automatic Transmission	12.6 (11.9)
Manual Transmission	12.9 (12.2)

(1) Fluid capacities listed are approximate. Always fill to FULL mark.

(2) Includes heater.

FLUID CAPACITY (AUTOMATIC TRANSAXLE/TRANSMISSION) (1)(2)

Application	(3) Quantity Qts. (L)
5.7L	5.0 (4.7)

(1) Fluid capacities listed are approximate. Always fill to FULL mark.

(2) Drain and refill capacity only. Does not include torque converter.

(3) Dexron-III or Dexron-IIE.

FLUID CAPACITY (MANUAL TRANSAXLE/TRANSMISSION) (1)

Application	Quantity Qts. (L)
5.7L (6-Speed)	(2) 4.1 (3.9)

(1) Fluid capacities listed are approximate. Always fill to FULL mark.

(2) Dexron-III or Dexron-IIE.

QUICK-SERVICE

SERVICE INTERVALS & SPECIFICATIONS

REPLACEMENT INTERVALS

Component	Miles
Air Cleaner	30,000
Accessory Drive Belt	(1) 60,000
Engine Coolant	150,000
Fuel Filter	(2)
Oil & Filter	3000
Spark Plugs	100,000

(1) Inspect and replace as necessary.

(2) Periodic replacement is not required. Check and replace as necessary.

MECHANICAL CHECKS

ENGINE COMPRESSION

Check engine compression with engine at normal operating temperature, all spark plugs removed and throttle wide open.

COMPRESSION SPECIFICATIONS

Application	Specification
Compression Ratio	10.1:1
Normal Compression Pressure	(1)
Minimum Compression Pressure	(1)

(1) Lowest compression reading should not be less than 70 percent of highest compression reading. No cylinder compression reading should be less than 100 psi 7 kg/cm^2).

VALVE CLEARANCE

VALVE CLEARANCE SPECIFICATIONS

Application	In. (mm)
5.7L	(1)
(1) Equipped with hydraulic lifters. Adjustment is not required.	

IGNITION SYSTEM

SPARK PLUGS

SPARK PLUG TYPE

Application	AC Spark Plug
5.7L	41-931

SPARK PLUG SPECIFICATIONS

Application	Gap In. (mm)	Torque Ft. Lbs. (N.m)
5.7L	.060 (1.52)	15 (20)

FIRING ORDER

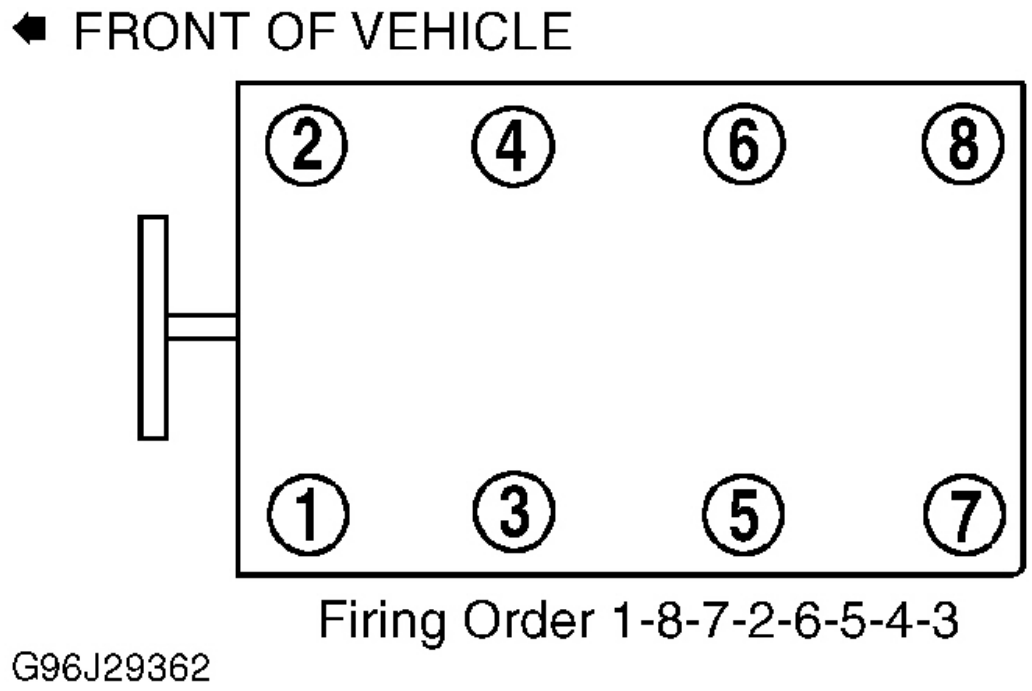

Fig. 1: Firing Order
Courtesy of GENERAL MOTORS CORP.

IGNITION TIMING

NOTE: All models are equipped with an electronic computer-controlled ignition system. Timing on this system is not adjustable.

FUEL SYSTEM

FUEL PUMP

FUEL PUMP PERFORMANCE

Application	(1) KOEO psi (kg/cm^2)
5.7L	55-61 (3.9-4.3)
(1) KOEO is ignition ON and engine OFF.	

INJECTOR RESISTANCE

INJECTOR RESISTANCE SPECIFICATIONS

Application	Ohms
5.7L	(1) 11.4-12.6
(1) Injector resistance specification is at 50-95°F 10-35°C).	

IDLE SPEED & MIXTURE

NOTE: Idle mixture is controlled by Powertrain Control Module (PCM). Idle speed is preset by manufacturer and is not adjustable.

THROTTLE POSITION (TP) SENSOR

NOTE: TP sensor is not adjustable unless specified otherwise. For further testing procedures, refer to TESTS W/CODES article.