WAGONEER

2023 GRAND WAGONEER/WAGONEER

5.7L ENGINE SUPPLEMENT

TABLE OF CONTENTS

1 STARTING AND OPERATING 3

2 SERVICING AND MAINTENANCE 4

3 TECHNICAL SPECIFICATIONS 7

4 INDEX 8

STARTING AND OPERATING

FUEL SAVER TECHNOLOGY 5.7L — IF EQUIPPED **3**
TRAILER TOWING **3**
Trailer Towing Weights (Maximum Trailer Weight Ratings) 3

SERVICING AND MAINTENANCE

SCHEDULED SERVICING **4**
Maintenance Plan 4
ENGINE COMPARTMENT **5**
5.7L Engine 5
Checking Oil Level — 5.7L Engines 6

TECHNICAL SPECIFICATIONS

FUEL REQUIREMENTS **7**
5.7L Engine 7
FLUID CAPACITIES **7**
ENGINE FLUIDS AND LUBRICANTS **7**

FUEL SAVER TECHNOLOGY 5.7L — IF EQUIPPED

This feature offers improved fuel economy by shutting off four of the engine's eight cylinders during light load and cruise conditions. The system is automatic with no driver inputs or additional driving skills required.

NOTE:
This system may take some time to return to full functionality after a battery disconnect.

TRAILER TOWING

TRAILER TOWING WEIGHTS (MAXIMUM TRAILER WEIGHT RATINGS)

Model	Engine	Wheel Base (in)	Axle Ratio	GCWR	Frontal Area	Max GTW	Max TW
4x2 Series 3	5.7L	123	3.21	13,700 lb (6,214 kg)	40 sq ft (3.72 sq m)	7,400 lb (3,356 kg)	740 lb (335 kg)
4x2 Series 3	5.7L	123	3.92	15,000 lb (6,803 kg)	60 sq ft (5.57 sq m)	10,000 lb (4,536 kg)	1,000 lb (454 kg)
4x2 Series 2	5.7L	123	3.21	15,000 lb (6,803 kg)	55 sq ft (5.11 sq m)	8,790 lb (3,987 kg)	879 lb (398 kg)
4x2 Series 2	5.7L	123	3.92	16,600 lb (7,529 kg)	60 sq ft (5.57 sq m)	10,000 lb (4,536 kg)	1,000 lb (454 kg)
4x4 Series 1	5.7L	123	3.21	13,700 lb (6,214 kg)	40 sq ft (3.72 sq m)	7,180 lb (3,256 kg)	718 lb (325 kg)
4x4 Series 1	5.7L	123	3.92	15,000 lb (6,803 kg)	55 sq ft (5.11 sq m)	8,480 lb (3,846 kg)	848 lb (386 kg)
4x4 Series 2	5.7L	123	3.21	13,700 lb (6,214 kg)	40 sq ft (3.72 sq m)	7,170 lb (3,252 kg)	717 lb (325 kg)
4x4 Series 2	5.7L	123	3.92	16,600 lb (7,529 kg)	60 sq ft (5.57 sq m)	10,000 lb (4,536 kg)	1,000 lb (454 kg)
4x4 Series 3	5.7L	123	3.21	13,700 lb (6,214 kg)	40 sq ft (3.72 sq m)	7,170 lb (3,252 kg)	717 lb (325 kg)
4x4 Series 3	5.7L	123	3.92	15,000 lb (6,803 kg)	55 sq ft (5.11 sq m)	8,470 lb (3,841 kg)	847 lb (384 kg)

SERVICING AND MAINTENANCE

SCHEDULED SERVICING

NOTE:
5.7L Engines: Under no circumstances should oil change intervals exceed 10,000 miles (16,000 km), or 12 months, whichever comes first. The engine controller also monitors the number of hours of engine run time, and will illuminate the oil change indicator after 350 hours (which is not likely to be exceeded except for certain fleet customers with extended engine idling periods).

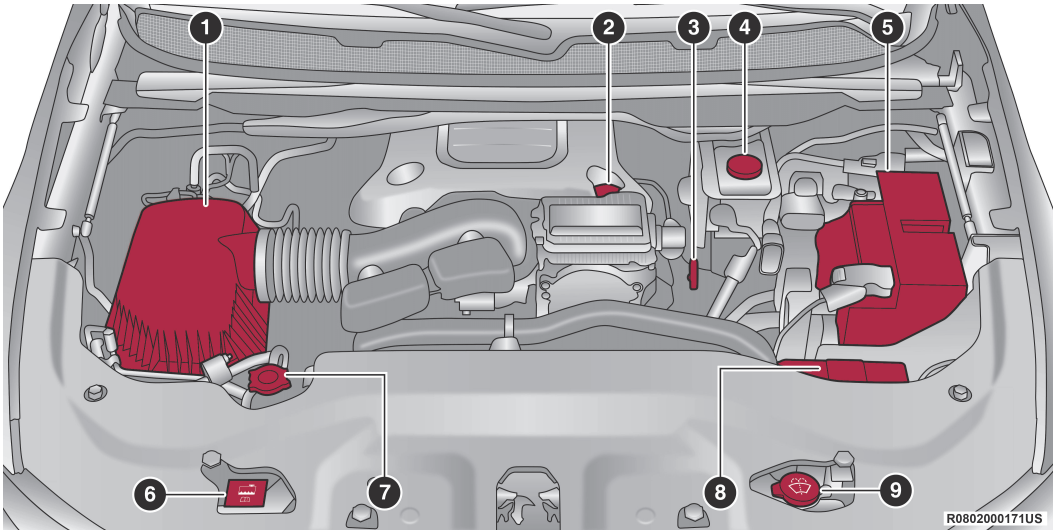
MAINTENANCE PLAN

Mileage Or Time Passed (Whichever Comes First)	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	150,000
Or Years:	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Or Kilometers:	32,000	48,000	64,000	80,000	96,000	112,000	128,000	144,000	160,000	176,000	192,000	208,000	224,000	240,000
Additional Maintenance														
Replace spark plugs (5.7L Engine).[1]									X					

1. The spark plug change interval is mileage based only, yearly intervals do not apply.

ENGINE COMPARTMENT

5.7L ENGINE



1 — Engine Air Cleaner Filter
2 — Engine Oil Fill Cap
3 — Engine Oil Dipstick
4 — Brake Fluid Reservoir Cap
5 — Battery
6 — Engine Coolant Reservoir Cap
7 — Engine Coolant Pressure Cap
8 — Power Distribution Center (Fuses)
9 — Washer Fluid Reservoir Cap

CHECKING OIL LEVEL — 5.7L ENGINES

To ensure proper engine lubrication, the engine oil must be maintained at the correct level. Check the oil level at regular intervals, such as every fuel stop. The best time to check the engine oil level is about five minutes after a fully warmed up engine is shut off.

Checking the oil while the vehicle is on level ground will improve the accuracy of the oil level readings.

There are four possible dipstick types:

- Crosshatched zone.
- Crosshatched zone marked SAFE.
- Crosshatched zone marked with MIN at the low end of the range and MAX at the high end of the range.
- Crosshatched zone marked with dimples at the MIN and the MAX ends of the range.

NOTE:

Always maintain the oil level within the crosshatch markings on the dipstick.

Adding 1 quart (1 liter) of oil when the reading is at the low end of the dipstick range will raise the oil level to the high end of the range marking.

TECHNICAL SPECIFICATIONS

FUEL REQUIREMENTS

5.7L ENGINE

Do not use E-85 flex fuel or ethanol blends greater than 15% in this engine.



This engine is designed to meet all emission regulations and provide satisfactory fuel economy and performance when using high-quality unleaded gasoline having an octane range of 87 to 89 as specified by the (R+M)/2 method. The use of 89 octane plus gasoline is recommended for optimum performance and fuel economy.

FLUID CAPACITIES

	US	Metric
Engine Oil With Filter		
5.7L Engine	7 qt	6.6 L
Cooling System *		
5.7L Engine	17 qt	16 L
* Includes heater and coolant recovery bottle filled to MAX level.		

ENGINE FLUIDS AND LUBRICANTS

Component	Fluid, Lubricant, or Genuine Part
Engine Coolant	We recommend using Mopar® Antifreeze/Coolant 10 Year/150,000 Mile (240,000 km) Formula OAT (Organic Additive Technology) meeting the requirements of the manufacturer Material Standard MS.90032.
Engine Oil — 5.7L Engine	We recommend using Mopar® SAE 0W-20 Full Synthetic Engine Oil which meets the requirements of the manufacturer Material Standard MS-6395. Equivalent full synthetic SAE 0W-20 engine oil can be used but must have the API Starburst trademark.
Fuel Selection – 5.7L Engine	89 Octane Recommended - 87 Octane Acceptable (R+M)/2 Method, 0-15% Ethanol (Do not use E-85).

INDEX

A
Antifreeze (Engine Coolant) 7

C
Capacities, Fluid 7
Caps, Filler
  Oil (Engine) 5
Cooling System
  Cooling Capacity 7
  Selection Of Coolant (Antifreeze) 7

D
Dipsticks
  Oil (Engine) 6

E
Engine 5
  Checking Oil Level 6
  Compartment 5
  Compartment Identification 5
  Oil 7
  Oil Filler Cap 5
  Oil Selection 7

F
Fluid Capacities 7
Fluid Level Checks
  Engine Oil 6
Fuel 7
  Gasoline 7
  Octane Rating 7
  Specifications 7

G
Gasoline, (Fuel) 7

M
Maintenance Schedule 4

O
Octane Rating, Gasoline (Fuel) 7
Oil, Engine
  Capacity 7
  Checking 6
  Dipstick 6
  Recommendation 7
  Viscosity 7

S
Schedule, Maintenance 4

T
Towing 3
  Guide 3
  Weight 3
Trailer Towing 3
Trailer Weight 3

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