

# PRODEMAND

YMMS: 2014 RAM 1500 Lone Star  
 Engine: 5.7L Eng  
 VIN:

Jan 15, 2022  
 License:  
 Odometer:

## COMMON SPECS & PROCEDURES

### RAM 1500 PICKUP COMMON SPECS & PROCEDURES

System	Specification/Procedure
Air Conditioning	
Service	Refer to A/C SYSTEM .
Torque	Refer to FASTENER TORQUE .
Axle Nut/Hub Nut	
Front	185 ft. lbs. (251 N.m)
Rear	N/A
Battery	Refer to SPECIFICATIONS .
Brakes	
Bleeding Sequence	Base Brakes: refer to STANDARD PROCEDURE , Antilock Brakes: refer to STANDARD PROCEDURE
Disc Brakes	
Service Specifications	Refer to SPECIFICATIONS .
Torque	Base Brakes: refer to TORQUE , Antilock Brakes: refer to SPECIFICATIONS
Drum Brakes	
Service Specifications	N/A
Torque	N/A
Charging	
Generator	Refer to GENERATOR RATINGS .
Torque	Refer to TORQUE - GENERATOR / CHARGING SYSTEM .
Drive Belts	
Adjustment	Serpentine belt used, not adjustable.
Drive Belt Routing	Refer to appropriate "Belt Routing" figure

		under REMOVAL .
Engine Cooling		
General Service Specifications		Refer to FILL VOLUMES .
Radiator Cap Pressure	14-to-18 psi (97-to-124 kPa)	
Thermostat R & I	Refer to THERMOSTAT .	
Water Pump R & I	Refer to PUMP, WATER .	
Engine Mechanical		
3.0L Diesel		
Compression	Compression should not be less than 689 kPa (100 psi) and not vary more than 25 percent from cylinder to cylinder.	
Oil Pressure	See OIL PRESSURE table under SPECIFICATIONS .	
Overhaul	Refer to SPECIFICATIONS .	
Torque	Refer to TORQUE .	
3.6L		
Compression	Compression should not be less than 689 kPa (100 psi) and not vary more than 25 percent from cylinder to cylinder.	
Oil Pressure	See OIL PRESSURE table under SPECIFICATIONS	
Overhaul	Refer to SPECIFICATIONS .	
Torque	Refer to TORQUE SPECIFICATIONS .	
5.7L		
Compression	Compression should not be less than 689 kPa (100 psi) and not vary more than 25 percent from cylinder to cylinder.	
Oil pressure	At Curb Idle Speed (MIN): 4 psi (25 kPa), @ 3000 RPM: 25-110 psi (170-758 kPa), If pressure is zero at curb idle, DO NOT run engine.	
Overhaul	Refer to SPECIFICATIONS .	
Torque	Refer to TORQUE SPECIFICATIONS .	
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>		
3.0L Diesel		70 ft. lbs. (95 N.m)
3.6L	70 ft. lbs. (95 N.m)	
5.7L		
	Flexplate	70 ft. lbs. (95 N.m)
Flywheel	55 ft. lbs. (75 N.m)	
<b>Fuel System</b>		
Pressure Specification		<b>Non SRT-4</b> : 59 psi +/- 5 psi; <b>SRT-4</b> : 80 psi +/- 5 psi (552 kPa +/- 34 kPa)
Fuel Pressure Test Procedure	Refer to CHECKING THE FUEL DELIVERY SYSTEM (HARD START) .	
Fuel Filter Location	Fuel filter is part of fuel pump module.	
Fuel Filter R & I	Refer to MODULE, FUEL PUMP .	
<b>Ignition</b>		
Firing Order & Cylinder Identification		Refer to FIRING ORDER & CYLINDER IDENTIFICATION .
Ignition Wires (Resistance)		Coil On Plug
Ignition Wires (Routing)		Coil On Plug
<b>Spark Plug</b>		
3.6L		
Type	RER8ZWYCB4	
Gap	.043 in. (1.1 mm)	
Torque	20 ft. lbs. (27 N.m).	
5.7L		
Type	REC14MCC4	
Gap	.040 in. (1.0 mm)	
Torque	13 (± 2) ft. lbs. (18 (± 3) N.m): Torque critical tapered design. Do not exceed 15 ft. lbs.	
<b>Starting</b>		
Starter		Refer to STARTING SYSTEM .

Torque	Refer to TORQUE .
Wheel Alignment	
Adjustment Specifications	Refer to SPECIFICATIONS .
Torque	Refer to SPECIFICATIONS .
Wheel & Tire	
Wheel Lug Nut Torque	Refer to SPECIFICATIONS

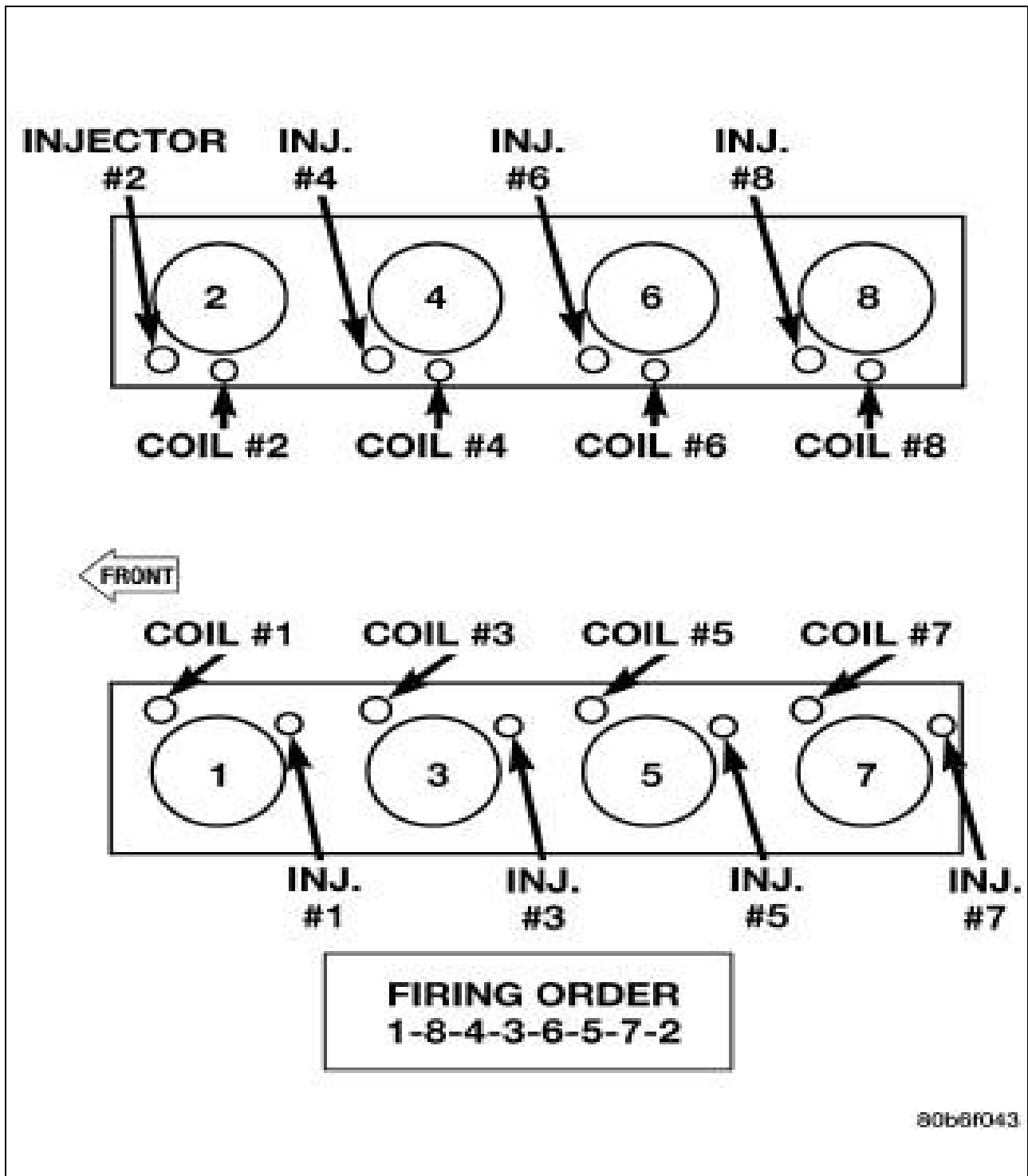
## EAGLE ENGINE - 90° V-8 OHV SPECIFICATIONS

### EAGLE ENGINE - 90° V-8 OHV

DESCRIPTION	SPECIFICATION	
	Metric	Standard
Displacement	5.7 Liters	348 CID
Bore	99.5 mm	3.92 in.
Stroke	90.9 mm	3.58 in.
Compression Ratio	10.5:1	
Max. Variation Between Cylinders	25%	
Firing Order	1-8-4-3-6-5-7-2	
Lubrication	Pressure Feed - Full Flow Filtration	
Cooling System	Liquid Cooled	
Cylinder Block	Cast Iron	
Cylinder Head	Aluminum	
Crankshaft	Nodular Iron	
Camshaft	Cast Iron	
Pistons	Aluminum Alloy	
Connecting Rods	Powdered Metal	

### ENGINE FIRING ORDER - 4.7L

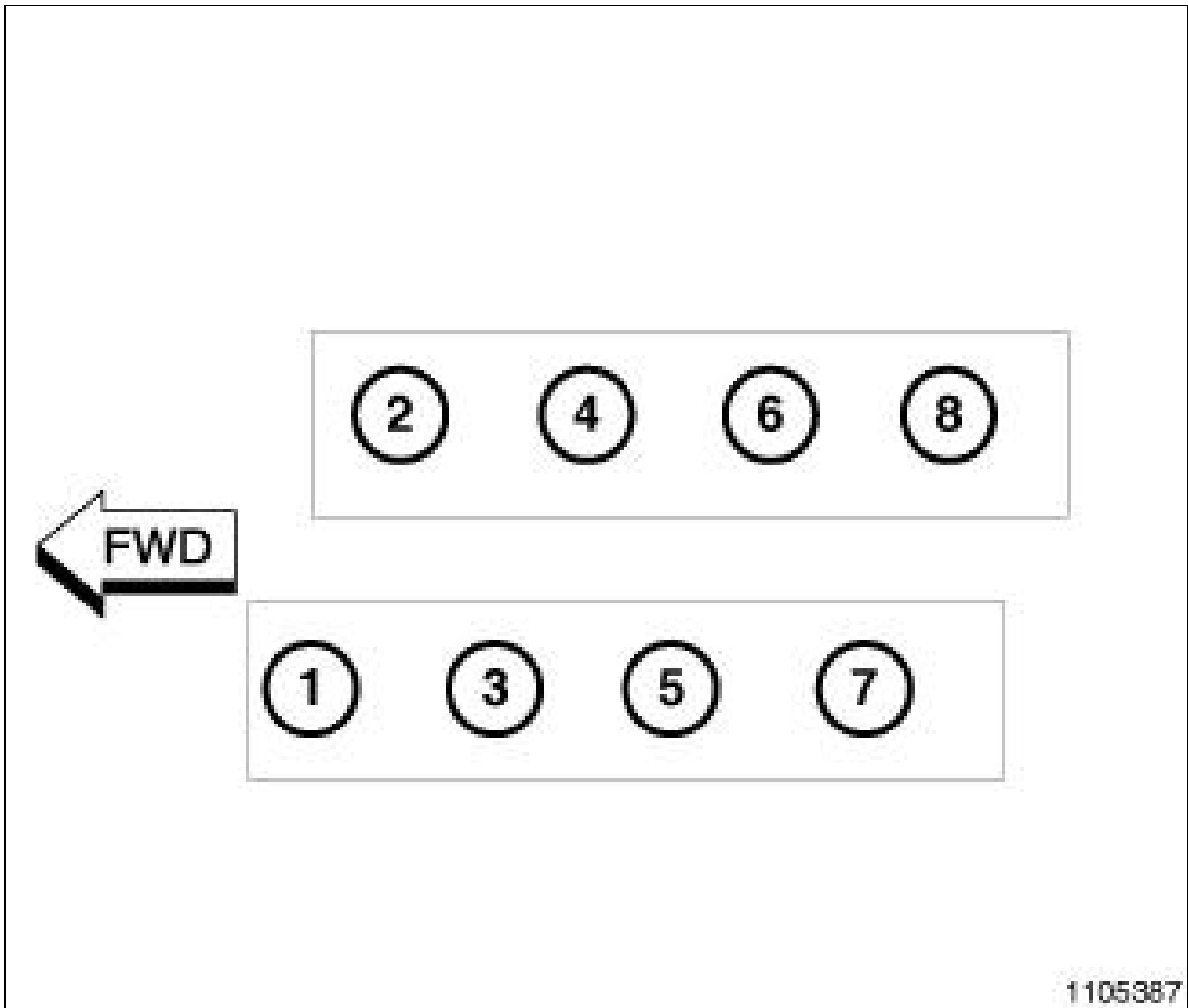
Fig 1: Identifying Engine Firing Order - 3.7L V6



Courtesy of CHRYSLER GROUP, LLC

### ENGINE FIRING ORDER - 5.7L

Fig 2: Engine Cylinder Arrangement - 5.7L



Courtesy of CHRYSLER GROUP, LLC

The firing order for the 5.7L is 1-8-4-3-6-5-7-2.

### FIRING ORDER & CYLINDER IDENTIFICATION

Question: Where are the spark plug gaps

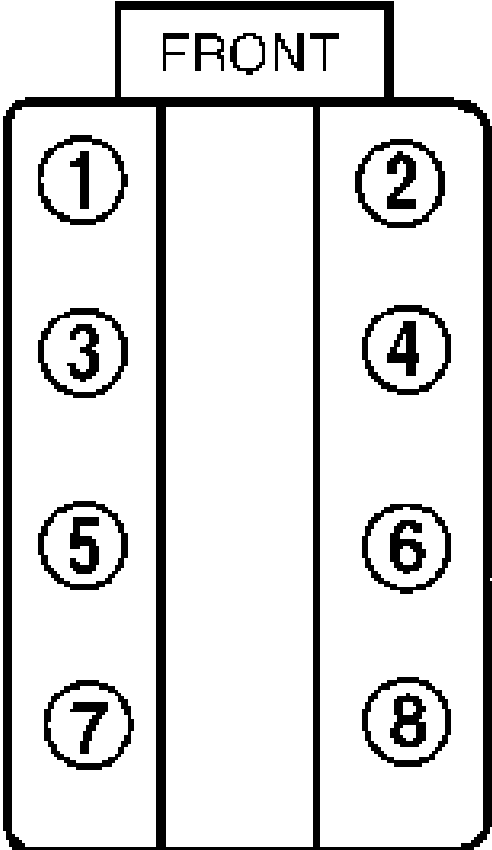
Question: ignition coil - 2001 Grand Caravan

**NOTE:** This information is intended as a quick reference for firing order and cylinder identification only. The information provided covers many vehicles and may include some information that does not apply to the vehicle you have currently selected.

### V8 ENGINE

Question: distributor rotation - 2002 Ram Van B1500

Additional Info: Spark plug cable routing - 5.7L

Engine Configuration	Firing Order	Cylinder Identification
V8	1-8-4-3-6-5-7-2	<div style="text-align: center;">  <p>G00016205</p> </div>