



SPECIFICATIONS

DODGE RAM HEAVY DUTY 2500 AND 3500 PRELIMINARY SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.
All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Body Styles:	Regular Cab and Quad Cab™
Assembly Plants:	St. Louis (North), MO and Saltillo, Mexico
EPA Vehicle Class:	Standard Pickup

ENGINE: 5.7-LITER HEMI® MAGNUM V-8

Availability – Standard, all

Type and Description:	Eight cylinders, 90° V-type, liquid-cooled
Displacement:	345 cu. in. (5654 cu cm)
Bore x Stroke:	3.92 x 3.58 (99.5 x 90.9)
Valve System:	Pushrod-operated overhead valves, 16 valves, hydraulic lifters with roller followers
Fuel Injection:	Sequential, multi-port, electronic, returnless
Construction:	Deep-skirt cast iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio:	9.6:1
Power (SAE net):	345 bhp (246 kW) @ 5,600 rpm
Torque (SAE Net):	365 lb.-ft. (488 N•m) @ 4,400 rpm



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ENGINE: 8.0-LITER MAGNUM® V-10

Availability – Optional, all

Type and Description:	Ten cylinders, 90° V-type, liquid-cooled
Displacement:	488 cu. in. (7994 cu cm)
Bore x Stroke:	4.00 x 3.88 (101.6 x 98.6)
Valve System:	OHV, 20 valves, hydraulic lifters with roller followers
Fuel Injection:	Sequential, multi-port, electronic
Construction:	Deep skirt cast iron block, cast iron heads
Compression Ratio:	8.6:1
Power (SAE net):	305 bhp (228 kW) @ 4000 rpm - (51.7 bhp/liter)
Torque (SAE net):	450 lb.-ft. (597 N•m) @ 2800 rpm

ENGINE: 5.9-LITER CUMMINS TURBO DIESEL

Availability – Optional, all

Type and Description:	Six-cylinder, inline, liquid-cooled, turbocharged, intercooled
Displacement:	359 cu. in. (5883 cu cm)
Bore x Stroke:	4.02 x 4.72 (102.1 x 119.9)
Valve System:	OHV, 24 valves, solid lifters
Fuel Injection:	Electronic high-pressure common rail
Construction:	Cast iron block and head
Compression Ratio:	17.2:1
Power (SAE net):	250 bhp (186 kW) @ 2900 rpm – standard output, 49 state manual or 47 RE automatic 235 bhp (175 kW) @ 2700 rpm – standard output, carb, automatic and manual 305 bhp (227 kW) @ 2900 rpm – high-output, 49 state manual
Torque (SAE net):	460 lb.-ft. (624 N•m) @ 1,400 rpm – standard output, manual 460 lb.-ft. (624 N•m) @ 1,400 rpm – standard output, automatic 555 lb.-ft. (752 N•m) @ 1,400 rpm – high output, manual



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TRANSMISSION: NV4500/NV4500HD - MANUAL, FIVE-SPEED OVERDRIVE

Availability: NV4500 – standard with 5.7-liter V-8 and 8.0-liter V-10 engines
NV 4500 HD – standard with 5.9-liter standard output I-6 diesel

Description: Synchronized in all gears

Gear Ratios:

1st:	5.61
2nd:	3.04
3rd:	1.67
4th:	1.00
5th:	0.75
Reverse:	5.04

Overall Top Gear Ratio: 2.80 with 3.73 axle ratio and 3.07 with 4.10 axle ratio

TRANSMISSION: NV5600 - MANUAL, SIX-SPEED OVERDRIVE

Availability: Standard with 5.9-liter high-output I-6 diesel engine

Description: Synchronized in all gears

Gear Ratios:

1st:	5.63
2nd:	3.38
3rd:	2.04
4th:	1.39
5th:	1.00
6th:	0.73
Reverse:	5.63

Overall Top Gear Ratio: 2.72 with 3.73 axle and 2.99 with 4.10 axle



SPECIFICATIONS

TRANSMISSION: 545RFE – AUTOMATIC FIVE-SPEED

Availability: Optional with 5.7-liter engines
Description: Three planetary gear sets, one overrunning clutch, full electronic control, electronically controlled converter clutch

Gear Ratios:

1st: 3.00
2nd: 1.67 – upshift; 1.50 kick-down
3rd: 1.00
4th: 0.75
5th: 0.67

Overall Top Gear 2.50 with 3.73 axle and 2.63 with 4.10 axle

TRANSMISSION: 47RE/48RE – AUTOMATIC, FOUR-SPEED OVERDRIVE

Availability: 47RE – Optional with 8.0-liter V-10 and standard-output Cummins diesel engine
48RE – Optional with 8.0-liter V-10 and standard-output Cummins diesel engine
Description: Hydraulic control, electronically controlled governor overdrive, overdrive lockout and converter clutch

Gear Ratios:

1st: 2.45
2nd: 1.45
3rd: 1.00
4th: 0.69

Overall Top Gear Ratio: 2.57 with 3.73 axle ratio and 2.82 with 4.10 axle ratio

TRANSFER CASES: NV271/NV273

Availability: NV271 – Standard 4WD ST
NV273 – Standard 4WD SLT Plus
Type: Part Time
Operating Modes: 2WD; 4WD High, Locked; Neutral; 4WD Low, Locked
Shift Mechanism: NV271 – manual, NV273 – electric
Low-Range Ratio: 2.72
Center Differential: None



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DIMENSIONS AND CAPACITIES

REGULAR CAB – 2WD

Box Length: 8 ft. (All)

Model	2500	3500 – SRW ¹	3500 – DRW ²
Wheelbase:	140.5	140.5	140.5
Track, Front:	69.4	69.4	69.4
Track, Rear:	68.2	68.2	75.8
Overall Length:	229.7	229.7	229.7
Overall Width:	79.9	79.9	96.0
Overall Height:	73.8	74.4	74.7
Ground Clearance:			
Front Axle:	8.2	8.9	8.3
Rear Axle:	8.0	8.6	7.3
Fuel Tank. gal. (L):	35 (132)	35 (132)	35 (132)

REGULAR CAB – 4WD

Box Length: 8 ft. (All)

Model	2500	3500	3500 – DRW
Wheelbase:	140.5	140.5	140.5
Track, Front:	69.7	69.7	69.4
Track, Rear:	68.2	68.2	75.8
Overall Length:	229.7	229.7	229.7
Overall Width:	79.9	79.9	96.0
Overall Height:	78.0	78.7	78.8
Ground Clearance:			
Front Axle:	9.3	9.9	8.3
Rear Axle:	8.0	8.5	7.5
Fuel Tank. gal. (L):	35 (132)	35 (132)	35 (132)

¹ Single rear wheel

² Dual rear wheel



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DIMENSIONS AND CAPACITIES

QUAD CAB™ – 2WD

Box Length: 6ft. 3in. Standard Bed, 8 ft. Long Bed

Model Box	2500 Standard	2500 Long	3500 Standard	3500 Long – SRW ¹	3500 Long – DRW ²
Wheelbase:	140.5	160.5	140.5	160.5	160.5
Track, Front:	69.4	69.4	69.4	69.4	69.4
Track, Rear:	68.2	68.2	68.2	68.2	75.8
Overall Length:	227.7	249.7	227.7	249.7	249.7
Overall Width:	79.9	79.9	79.9	79.9	96.0
Overall Height:	74.4	74.4	75.0	75.0	75.1
Ground Clearance:					
Front Axle:	8.3	8.3	8.9	8.9	8.1
Rear Axle:	8.0	8.0	8.6	8.6	7.6
Fuel Tank, gal. (L):	34 (128)	35 (132)	34 (128)	35 (132)	35 (132)

QUAD CAB™ – 4WD

Box Length: 6ft. 3in. Standard Bed, 8 ft. Long Bed

Model Box	2500 Standard	2500 Long	3500 Standard	3500 Long - SRW	3500 Long - DRW
Wheelbase:	140.5	160.5	140.5	160.5	160.5
Track, Front:	69.7	69.7	69.7	69.7	69.7
Track, Rear:	68.2	68.2	68.2	68.2	75.8
Overall Length:	227.7	249.7	227.7	249.7	249.7
Overall Width:	79.9	79.9	79.9	79.9	96.0
Overall Height:	78.5	78.4	79.2	79.1	79.0
Ground Clearance:					
Front Axle:	9.3	9.3	9.9	9.9	8.3
Rear Axle:	7.9	7.9	8.5	8.5	7.6
Fuel Tank, gal (L):	34 (128)	35 (132)	34 (128)	35 (132)	35 (132)

¹ Single rear wheel ² Dual rear wheel

SUSPENSION

	2WD	4WD
Front:	Short and long arm independent, coil springs, gas-charged shock absorbers, stabilizer bar	Live axle, "Quadra link" leading arms, track bar, coil springs, stabilizer bar, gas-charged shock absorbers
Rear:	Live axle, longitudinal leaf springs, gas-charged shock absorbers – 2500, auxiliary springs added – 3500	Live axle, longitudinal leaf springs, gas-charged shock absorbers – 2500, auxiliary springs added – 3500

STEERING

TWO-WHEEL DRIVE

Model	Quad Cab, Standard Bed	Quad Cab, Long Bed	Regular Cab
Overall Ratio:	15.4:1	15.4:1	15.4:1
Steering Wheel Turns, Lock to Lock:	3.0	3.0	3.0
Turning Diameter, Curb to Curb (a):	44.6 ft. (13.6 m)	50.3 ft. (15.3 m)	44.6 ft. (13.6 m)

FOUR-WHEEL DRIVE

Model	Quad Cab, Standard Bed	Quad Cab, Long Bed	Regular Cab
Overall Ratio:	13.4:1	13.4:1	13.4:1
Steering Wheel Turns, Lock to Lock:	2.75	2.75	2.75
Turning Diameter, Curb to Curb(a):	48.9 ft. (14.9 m)	52.0 ft. (15.8 m)	48.9 ft. (14.9 m)

(a) Turning diameter is measured at the outside of the tires at curb height, using a vehicle with standard tires, wheels and axles. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires, wheels and axles.



SPECIFICATIONS

BRAKES

Model	2500	3500
Front: Size and Type:	13.9 x 1.26 (356 x 32) vented disc with 2.20 (56) two-piston sliding caliper and ABS	13.9 x 1.26 (356 x 32) vented disc with 2.20 (56) two-piston sliding caliper and ABS
Swept Area:	313.2 sq. in. (2021 sq cm)	313.2 sq. in. (2021 sq cm)
Rear: Size and Type:	13.9 x 1.18 (352.5 x 30) disc with 1.77 (45) two-piston sliding caliper and ABS	13.9 x 1.18 (352.5 x 30) disc with 1.77 (45) two-piston sliding caliper and ABS
Swept Area:	309.6 sq. in. (1997 sq cm)	309.6 sq. in. (1997 sq cm)
Power Assist Type:	Tandem diaphragm vacuum with gasoline engines; hydraulic with diesel engines	Single Rear Wheels - Tandem diaphragm vacuum with gasoline engines; hydraulic with diesel engines, Dual Rear Wheels - Hydraulic