



2025 Ram 1500 SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

All dimensions are in inches (millimeters) unless otherwise noted.

All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Vehicle Type	Quad Cab and Crew Cab: 4x2, 4x4
Assembly Plant	Sterling Heights Assembly Plant, Sterling Heights, Michigan
EPA Vehicle Class	Standard Pickup

BODY/CHASSIS

Layout	4x2 — Longitudinal, front engine
	4x4 — Longitudinal, front engine, transfer case
Construction	4x2 — Ladder-type frame, steel cab, double-wall steel pickup box
	4x4 — Ladder-type frame, steel cab, double-wall steel pickup box

ENGINE: 3.6-LITER PENTASTAR V-6 ETORQUE

Availability	Tradesman, Big Horn/Lone Star
Type and Description	60-degree gasoline V-6 with variable valve timing (VVT), V-type, liquid-cooled
Hybrid Battery	48-volt, 12-cell lithium-ion, nickel manganese cobalt (NMC) graphite chemistry, .43 kWh
Belt-starter Generator	9kW power, 90 lb.-ft. launch torque
Displacement	220 cu. in. (3,604 cu. cm)
Bore x Stroke	3.78 x 3.27 (96.0 x 83.0)
Valve System	Chain-driven DOHC, 24 valves and hydraulic end-pivot roller rockers
Fuel Injection	Sequential, multiport, electronic, returnless
Construction	Aluminum deep-skirt block, aluminum alloy heads
Compression Ratio	11.3:1
Power	305 hp (234 kW) @ 6,500 rpm
Torque	271 lb.-ft. (365 N•m) @ 4,900 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane
Oil Capacity	6.0 quarts (5.7 liters)
Coolant Capacity	14.0 quarts (13.25 liters)
Emission Controls	Dual three-way catalytic converters, heated oxygen sensors
EPA Fuel Economy mpg (city/hwy/combined)	20/25/22 (2WD), 19/24/21 (4WD)



ENGINE: 3.0- LITER STRAIGHT-SIX TURBO (SST)

Availability	Tradesman, Warlock, Big Horn/Lone Star, Laramie and Rebel
Type and Description	In-line six-cylinder (I-6), Twin Turbocharged, liquid-cooled, direct injection, gasoline
Displacement	183 cu. in. (2.993 cu. cm)
Bore x Stroke	3.31 x 3.54 (84 x 90)
Valve System	DOHC, dual independent valve timing, hydroformed tubular camshafts, 24 valves with sodium-filled exhaust valves, roller finger followers and hydraulic lash adjusters
Fuel Injection	Gasoline direct injection, centrally located injectors, single high-pressure pump providing up to 5,075 psi (350 bar) to a single fuel rail
Construction	Deep-skirt cast-aluminum block with cross-bolted steel main bearing caps, low friction plasma spray-bore coated cylinders, structural die-cast aluminum alloy oil pan, aluminum alloy head with pent-roof combustion chambers, forged and twisted steel crankshaft, forged steel connecting rods and cast aluminum alloy pistons with DLC coated piston pins
Compression Ratio	10.4:1
Power	420 hp (313 kW) @ 5,200 rpm
Torque	469 lb.-ft. (635 Nm) @ 3,500 rpm
Max. Engine Speed	5,800 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity	7.5 quarts (7.1 liters) oil change with filter
Coolant Capacity	High Temperature Circuit: 16.6 (15.7) Low Temperature Circuit: 2.85 (2.70)
Factory Oil Fill	Pennzoil Ultra Platinum 0W-20 GF6+ (API SP)
Emission Controls	Dual close-coupled two-stage three-way catalytic converters, quad heated oxygen sensors, cooled exhaust gas recirculation and internal engine features
Exhaust Type	Dual 3-in. straight-thru exhaust system with dual 5-in. black tips
EPA Fuel Economy mpg (city/hwy/combined)	18/25/21 (2WD), 17/24/19 (4WD)
Assembly Plant	Saltillo North Engine Plant, Saltillo, Mexico

ENGINE: 3.0-LITER STRAIGHT-SIX TURBO HIGH OUTPUT (SST HO)

Availability	Longhorn, Limited, RHO and Tungsten
Type and Description	In-line six-cylinder (I-6), Twin Turbocharged, liquid-cooled, direct injection, gasoline
Displacement	183 cu. in. (2.993 cu. cm)
Bore x Stroke	3.31 x 3.54 (84 x 90)



ENGINE: 3.0-LITER STRAIGHT-SIX TURBO HIGH OUTPUT (SST HO) (CONTINUED)

Valve System	DOHC, dual independent valve timing, hydroformed tubular camshafts, 24 valves with sodium-filled exhaust valves, roller finger followers and hydraulic lash adjusters
Fuel Injection	Gasoline direct injection, centrally located injectors, single high-pressure pump providing up to 5,075 psi (350 bar) to a single fuel rail
Construction	Deep-skirt cast-aluminum block with cross-bolted steel main bearing caps, low friction plasma spray-bore coated cylinders, structural die-cast aluminum alloy oil pan, aluminum alloy head with pent-roof combustion chambers, forged and twisted steel crankshaft, forged steel connecting rods and forged aluminum alloy pistons with DLC coated piston pins
Compression Ratio	9.5:1
Power	540 hp (403 kW) @ 5,700 rpm
Torque	521 lb.-ft. (707 N•m) @ 3,500 rpm
Max. Engine Speed	6,100 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — required
Oil Capacity	7.5 quarts (7.1 liters) oil change with filter
Coolant Capacity	High Temperature Circuit: 17.34 liters Low Temperature Circuit: 4.52 liters
Factory Oil Fill	Pennzoil Ultra Platinum 0W-40 API SP MS-A0921
Emission Controls	Dual close-coupled two-stage three-way catalytic converters, quad heated oxygen sensors, cooled exhaust gas recirculation and internal engine features
Exhaust Type	Dual 3-in. straight-thru exhaust system with dual 5-in. black tips
EPA Fuel Economy mpg (city/hwy/combined)	15/21/17
Assembly Plant	Saltillo North Engine Plant, Saltillo, Mexico

TRANSMISSION: TORQUEFLITE 850RE EIGHT-SPEED AUTOMATIC

Availability	Standard with 3.6-liter Pentastar V-6
Description	Adaptive electronic control, automatic or Electronic Range Select (ERS) manual control. Five-clutch-pack design with only two open clutches in any gear. Torque converter lock with turbine torsional damper for low lock-up speeds in 1st through 8th gear
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.10
4th	1.67
5th	1.29
6th	1.00

**TRANSMISSION: TORQUEFLITE 850RE EIGHT-SPEED AUTOMATIC (CONTINUED)**

7th	0.84
8th	0.67
Reverse	3.30
Axle Ratios	3.21, 3.55

TRANSMISSION: TORQUEFLITE 8HP75 EIGHT-SPEED AUTOMATIC

Availability	Standard — 3.0-liter Straight-Six Turbo (SST)
Description	Five clutches and four planetary gear set architecture. 7.03 overall ratio spread. Start/stop and electronic range select capability. Electronically modulated torque converter clutch with torsional turbine damper
Gear Ratios	
1st	4.71
2nd	3.14
3rd	2.11
4th	1.67
5th	1.29
6th	1.00
7th	0.84
8th	0.67
Reverse	3.30
Axle Ratios	3.21, 3.55, 3.92

TRANSFER CASE: BW 48-12 PART-TIME

Availability	3.6-liter Pentastar V-6 eTorque and 3.0-liter Straight-Six Turbo (SST)
Shift Mechanism	Electric
Available Speeds	Two-speed
Operating Modes	2WD High; 4WD High, Locked; Neutral; 4WD Low, Locked
Low-range Ratio	2.64
Center Differential Type	None

TRANSFER CASE: BW 48-11 ON-DEMAND

Availability	3.0-liter Straight-Six Turbo (SST)
Shift Mechanism	Electric
Available Speeds	Two-speed
Operating Modes	2WD High; 4WD Auto; 4WD High, Locked; Neutral; 4WD Low, Locked
Low-range Ratio	2.64
Center Differential Type	None



TRANSFER CASE: BW 48-13 FULL-TIME

Availability	3.0-liter Straight-Six Turbo High Output (SST HO)
Shift Mechanism	Electric
Available Speeds	Two-speed
Operating Modes	4WD Auto, 4WD High, Locked; Neutral; 4WD Low, Locked
Torque Split, Front/Rear	Variable — 40/60 Auto, 45/55 Wet/Snow, 45/55 Tow, 25/75 Baja, and 50/50 Off-road (in 4L)
Low-range Ratio	2.64
Center Differential Type	None

AXLES

Front	215 mm
Rear	235 mm (standard) with available open, limited-slip or electronic-locking differential 260 mm with limited slip or electronic locking differential
Available Ratios	3.21, 3.55, 3.92

ELECTRICAL SYSTEM

Architecture	Atlantis
Alternator	230-amp, 240-amp, 250- amp (RHO)
Battery	Group 94R, low-maintenance H7 730 CCA H7 AGM 80AH 800 CCA (RHO)

SUSPENSION

Front	Upper and lower A-arms, twin-tube shock absorbers and stabilizer bar Upper and lower A-arms, coil springs, Bilstein e2 Blackhawk active performance shock absorber (RHO)
Rear	Five-link with track bar, stabilizer bar, twin-tube shock absorbers, solid axle Five-link with track bar, coil springs, Bilstein e2 Blackhawk active damping twin-tube performance shock absorbers, solid axle (RHO)



BRAKES

Front

Size and Type	14.9 x 1.2 (378 x 30) vented disc with 2.2 in. (57 mm) two-piston pin-slider caliper and anti-lock braking system (ABS) 15 x 1.2 (378 x 30) inverted hat (outboard venting) rotors with 2.2 in. (57 mm) two piston pin-slider caliper and anti-lock braking system (RHO)
Swept Area	493.6 sq.in. (3,184 sq.cm)

Rear

Size and Type	14.8 x 0.87 (375 x 22) disc with 2.2 in. (57 mm) single-piston pin-slider caliper and ABS 15 x 0.87 (375 x 22) disc with 2.2 in. (57 mm) single-piston pin-slider caliper and ABS (RHO)
Swept Area	367.6 sq.in. (2,371.9 sq.cm)
Power-assist	Dual-rate, tandem diaphragm vacuum

STEERING

Power assist	Electric power steering
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AIR BAGS

Quad Cab	6
Crew Cab	6

CARGO BOX

NOMINAL BOX SIZE	5FT., 7IN. (CREW)	6FT., 4IN. (QUAD OR CREW)
SAE volume, cu. ft. (cu m)	53.8 (1.5)	61.3 (1.7)
Length-at-Floor, Tailgate Closed	67.4 (1,711)	76.3 (1,937)
Cargo Width	66.4 (1,687)	66.4 (1,687)
Distance Between Wheelhouses	51.0 (1,295)	51.0 (1,295)
Depth	21.4 (543)	21.5 (545)
Tailgate Opening Width	60.0 (1,525)	60.0 (1,525)



EXTERIOR DIMENSIONS

QUAD CAB PICKUP, 6FT., 4IN. BOX

Model – Tire Size	4x2 – 275/55R20	4x4 – 275/55R20
Wheelbase (nominal)	140.6 (3,570)	140.6 (3,570)
Track, Front	68.5 (1,740)	68.5 (1,740)
Track, Rear	68.0 (1,727)	68.0 (1,727)
Overall Length	228.4 (5,801)	228.4 (5,801)
Overall Width	81.2 (2064)	81.2 (2064)
Overall Height	77.5 (1,969)	77.6 (1,972)

QUAD CAB PICKUP, 6FT., 4IN. BOX

Ground Clearance	4x2 – 275/55R20	4x4 – 275/55R20
Front Axle	7.8 (197)	8.1 (207)
Rear Axle	8.7 (220)	8.7 (220)
Open Tailgate to Ground	35.0 (888)	34.8 (883)
Pickup Body Height	21.4 (545)	21.4 (545)
Approach Angle, degrees	17.9	18.8
Departure Angle, degrees	20.9	20.7
Ramp Breakover Angle Without Skid Plate, degrees	19.4	19.8
Ramp Breakover Angle with Skid Plate, degrees	NA	17.1
Ground Clearance without Skid Plate	8.3 (211)	8.7 (220)
Ground Clearance with Skid Plate	NA	8.1 (206)
Fuel Tank Capacity	26-gal. (98-liter) 33-gal. (125 liter)	26-gal. (98-liter) 33-gal. (125-liter)



CREW CAB PICKUP

Model – Tire Size	4x2 – 275/55R20	4x2 – 275/55R20	4x4 – 275/55R20 4x4 – 325/65/R18	4x4 – 275/55R20 4x4 – 325/65/R18
Box Length	5ft., 7in.	6ft., 4in.	5ft., 7in.	6ft., 4in.
Wheelbase (nominal)	144.6 (3,672)	153.5 (3,898)	144.6 (3,672) 145.1 (3,686) – RHO	153.5 (3,898)
Track, Front	68.5 (1,740)	68.5 (1,740)	68.5 (1,740) 74.4 (1,889) – RHO	68.5 (1,740)
Track, Rear	68.0 (1,727)	68.0 (1,727)	68.0 (1,727) 74.0 (1,880) – RHO	68.0 (1,727)
Overall Length	232.4 (5,903)	241.3 (6,129)	232.4 (5,903) 233.7 (5,936) – RHO	241.3 (6,129)
Overall Width	81.2 (2062)	81.2 (2062)	81.2 (2062) 88.0 (2,235) – RHO	81.2 (2062)
Overall Height	77.4 (1,968)	77.4 (1,967)	77.6 (1,972) 81.9 (2,079) – RHO	77.5 (1,969)

CREW CAB PICKUP

Model – Tire Size	4x2 – 275/55R20	4x2 – 275/55R20	4x4 – 275/55R20 4x4 – 325/65/R18	4x4 – 275/55R20 4x4 – 325/65/R18
Ground Clearance	5ft., 7in.	6ft., 4in.	5ft., 7in.	6ft., 4in.
Front Axle	7.7 (196)	7.7 (196)	8.1 (206) 9.4 (239) – RHO	8.1 (206)
Rear Axle	8.5 (217)	8.7 (220)	8.6 (219) 7.4 (189) – RHO	8.6 (219)
Open Tailgate to Ground	34.8 (883)	34.8 (885)	34.7 (881) 38.7 (983) – RHO	34.6 (880)
Pickup Body Height	21.4 (543)	21.4 (545)	21.4 (543)	21.4 (545)
Approach Angle, degrees	17.9	17.9	18.8 31.0 – RHO	18.8
Departure Angle, degrees	20.7	20.8	20.6 25.2 – RHO	20.6
Ramp Breakover Angle Without Skid Plate, degrees	18.9	18.9	19.4 21.8 – RHO	19.2
Ramp Breakover Angle With Skid Plate, degrees	NA	NA	16.8	16.1



Model – Tire Size	4x2 – 275/55R20	4x2 – 275/55R20	4x4 – 275/55R20 4x4 – 325/65/R18	4x4 – 275/55R20 4x4 – 325/65/R18
Ground Clearance	5ft., 7in.	6ft., 4in.	5ft., 7in.	6ft., 4in.
Ground Clearance Without Skid Plate	8.3 (210)	8.3 (210)	8.6 (219)	8.6 (218)
Ground Clearance With Skid Plate	NA	NA	8.1 (206) 11.8 (300) – RHO	8.1 (206)
Fuel Tank Capacity	26-gal. (98-liter) (standard) 33-gal. (125-liter) (optional)	26-gal. (98-liter) (standard) 33-gal. (125-liter) (optional)	26-gal. (98-liter) (standard) 33-gal. (125-liter) (optional, Longhorn, Limited, Tungsten. Standard on RHO)	26-gal. (98-liter) (standard) 33-gal. (125-liter) (optional, standard on Longhorn, Limited, Tungsten)

CREW CAB, 5FT., 7IN. BOX – AIR SUSPENSION, 4x2 AND 4x4

TIRE SIZE: 275/55R20

Suspension Mode	Entry / Exit	Normal Ride Height	Off Road 1	Off Road 2
Wheelbase (nominal)	144.6 (3,672)	144.6 (3,672)	144.6 (3,672)	144.6 (3,672)
Track, Front	68.5 (1,740)	68.5 (1,740)	68.5 (1,740)	68.5 (1,740)
Track, Rear	68.0 (1,727)	68.0 (1,727)	68.0 (1,727)	68.0 (1,727)
Overall Length	232.4 (5,903)	232.4 (5,903)	232.4 (5,903)	232.4 (5,903)
Overall Width	81.2 (2062)	81.2 (2062)	81.2 (2062)	81.2 (2062)
Overall Height	75.8 (1,926)	77.6 (1,971)	78.5 (1,995)	79.6 (2,022)
Front Axle	8.2 (209)	8.2 (209)	8.2 (209)	8.2 (209)
Rear Axle	8.5 (217)	8.5 (217)	8.5 (217)	8.5 (217)
Open Tailgate to Ground	33.0 (839)	34.5 (877)	35.3 (896)	36.5 (928)
Pickup Body Height	21.4 (543)	21.4 (543)	21.4 (543)	21.4 (543)
Approach Angle, degrees	14.6	19.1	21.7	23.3
Departure Angle, degrees	18.6	20.5	21.3	22.8
Ramp Breakover Angle Without Skid Plate, degrees	16.1	19.5	21.3	22.9
Ramp Breakover Angle With Skid Plate, degrees	13.6	16.8	18.4	20.2
Ground Clearance	6.7 (169)	8.7 (221)	9.9 (251)	10.7 (272)



Suspension Mode	Entry / Exit	Normal Ride Height	Off Road 1	Off Road 2
Without Skid Plate				
Ground Clearance	6.1 (156)	8.2 (209)	9.4 (238)	10.2 (260)
With Skid Plate				
Fuel Tank Capacity	26-gal. (98-liter) (standard)	26-gal. (98-liter) (standard)	26-gal. (98-liter) (standard)	26-gal. (98-liter) (standard)
	33-gal. (125-liter) (optional)	33-gal. (125-liter) (optional)	33-gal. (125-liter) (optional)	33-gal. (125-liter) (optional)

CREW CAB, 6FT., 4IN. BOX – AIR SUSPENSION, 4x4

TIRE SIZE: 275/55R20

Suspension Mode	Entry / Exit	Normal Ride Height	Off Road 1	Off Road 2
Wheelbase (nominal)	153.5 (3,898)	153.5 (3,898)	153.5 (3,898)	153.5 (3,898)
Track, Front	68.5 (1,740)	68.5 (1,740)	68.5 (1,740)	68.5 (1,740)
Track, Rear	68.0 (1,727)	68.0 (1,727)	68.0 (1,727)	68.0 (1,727)
Overall Length	241.3 (6,129)	241.3 (6,129)	241.3 (6,129)	241.3 (6,129)
Overall Width	81.2 (2062)	81.2 (2062)	81.2 (2062)	81.2 (2062)
Overall Height	75.7 (1,923)	77.5 (1,969)	78.4 (1,993)	79.5 (2,020)

CREW CAB, 6FT., 4IN. BOX – AIR SUSPENSION, 4x4

TIRE SIZE: 275/55R20

Ground Clearance	Entry / Exit	Normal Ride Height	Off Road 1	Off Road 2
Front Axle	8.1 (207)	8.1 (207)	8.1 (207)	8.1 (207)
Rear Axle	8.6 (218)	8.6 (218)	8.6 (218)	8.6 (218)
Open Tailgate to Ground	33.0 (839)	34.6 (878)	35.3 (897)	36.5 (928)
Pickup Body Height	21.4 (545)	21.4 (545)	21.4 (545)	21.4 (545)
Approach Angle, degrees	14.4	18.9	21.5	23.1
Departure Angle, degrees	18.6	20.5	21.4	22.8
Ramp Breakover Angle Without Skid Plate, degrees	16.3	19.2	20.7	22.2
Ramp Breakover Angle With Skid Plate, degrees	13.0	16.1	17.8	19.3
Ground Clearance	6.6 (167)	8.6 (219)	9.8 (249)	10.6 (270)



Ground Clearance	Entry / Exit	Normal Ride Height	Off Road 1	Off Road 2
Without Skid Plate				
Ground Clearance With Skid Plate	6.1 (154)	8.1 (206)	9.3 (236)	10.1 (257)
Fuel Tank Capacity	26-gal. (98-liter) (standard)	26-gal. (98-liter) (standard)	26-gal. (98-liter) (standard)	26-gal. (98-liter) (standard)
	33-gal. (125-liter) (optional)	33-gal. (125-liter) (optional)	33-gal. (125-liter) (optional)	33-gal. (125-liter) (optional)

INTERIOR DIMENSIONS

ACCOMMODATIONS

Model	Quad Cab	Crew Cab
Seating Capacity, F/R	3/3	3/3

FRONT

Front	Quad Cab	Crew Cab
Headroom	40.9 (1,038)	40.9 (1,038)
Legroom	40.9 (1,040)	40.9 (1,040)
Shoulder Room	66.0 (1,676)	66.0 (1,676)
Hip Room	63.4 (1,610)	63.4 (1,610)
Seat Travel	8.7 (220)	8.7 (220)
Recliner Range (degrees)	Total travel 71 degrees (from full forward) 18 degrees forward 53 degrees rearward	Total travel 71 degrees (from full forward) 18 degrees forward 53 degrees rearward

REAR

Rear	Quad Cab	Crew Cab
Headroom	39.2 (995)	39.9 (1,013)
Legroom	35.3 (896)	44.8 (1,138)
Shoulder Room	65.7 (1,668)	65.7 (1,670)
Hip Room	63.4 (1,610)	63.4 (1,611)



INTERIOR VOLUME

Interior Volume	Quad Cab	Crew Cab
Front – cu. ft. (cu m)	63.9 (1.8)	63.9 (1.8)
Rear – cu. ft. (cu m)	52.6 (1.5)	68.0 (1.9)

STEERING SPECIFICATIONS

QUAD CAB PICKUP

Measurement	2WD Short Bed	2WD Long Bed	4WD Short Bed	4WD Long Bed	4WD Rebel
Wheelbase (nominal; in./mm)	140.6 / 3,570	140.6 / 3,570	140.6 / 3,570	140.6 / 3,570	140.6 / 3,570
Overall Ratio	16.3:1	16.3:1	16.3:1	16.3:1	17.8:1
Steering Wheel Turns (lock-to-lock)	3.1	3.1	3.1	3.1	3.4
18-in. Tire Turning Diameter (ft. / M)*	46.2 / 14.1	46.2 / 14.1	46.2 / 14.1	46.2 / 14.1	46.2 / 14.1
20-in. Tire Turning Diameter (ft. / M)*	45.1 / 13.74	45.1 / 13.74	45.1 / 13.74	45.1 / 13.74	NA

* = Curb-to-curb turning diameter is measured at the outside of the tires at curb height.

CREW CAB PICKUP

Measurement	2WD Short Bed	2WD Long Bed	4WD Short Bed	4WD Long Bed	4WD Rebel	RHO
Wheelbase (nominal)	144.6 / 3,672	153.5 / 3,898	144.6 / 3,572	153.5 / 3,898	144.6 / 3,572	145.1 / 3,686
Overall Ratio	16.3:1	15.5:1	16.3:1	15.5:1	17.8:1	16.3:1
Steering Wheel Turns (lock-to-lock)	3.1	2.9	3.1	2.9	3.4	3.1
18-in. Tire Turning Diameter (ft. / M)*	46.2 / 14.08	48.7 / 14.84	46.2 / 14.08	48.7 / 14.84	46.2 / 14.1	48.3 / 14.7
20-in. Tire Turning Diameter (ft. / M)*	46.2 / 14.08	48.7 / 14.84	46.2 / 14.08	48.7 / 14.84	NA	NA

* = Curb-to-curb turning diameter is measured at the outside of the tires at curb height.

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