

Dodge Journey Preliminary Specifications

The information shown is based on data available at the time of publication (August 2007) and is subject to change without notice. All measurements are in inches (mm) unless otherwise noted.

General Information

Body Style	Four-door, five- or seven-passenger
Assembly Plant	Toluca Assembly, Mexico
U.S. EPA Vehicle Class	Sport-utility Vehicle

Engine: Diesel 2.0-Liter CRD DOHC 16-Valve I4 (available in markets outside North America)

Availability	Optional — All models (in markets outside North America)
Type and Description	Four cylinders in line, turbocharged
Displacement	120 cu. in. (1968 cu. cm)
Bore x Stroke	3.19 x 3.76 in. (81 x 95.5 mm)
Compression Ratio	18:1
Power (SAE net, estimated)	138 bhp (140 DIN hp) (103 kW) @ 4000 rpm (68 bhp/liter)
Torque (SAE net, estimated)	229 lb.-ft. (310 N•m) @ 1750 rpm
Maximum Engine Speed	5000 rpm (electronically limited)
Fuel Requirement	Cetane 49 diesel, DIN EN 590
Oil Capacity	4.4 qt. (4.2L) with filter 4.1 qt. (3.9L) without filter 5W-30 synthetic
Coolant Capacity	7.9 qt. (7.5L) — single or dual-zone climate control 9.8 qt. (9.3L) — tri-zone climate control
Emission Controls	Cooled EGR, oxidation catalytic converter, standard diesel particulate filter for all European vehicles; meets Euro IV emission requirements

Engine: 2.4-Liter, DOHC, 16-Valve, VVT, SMPI I4

Availability	Standard Journey SE
Type and Description	Four cylinders in line, tuned intake manifold with electronic active charge motion control valves, dual counter-rotating balance shafts
Displacement	144 cu. in. (2360 cu. cm)
Bore x Stroke	3.46 x 3.82 in. (88 x 97 mm)
Compression Ratio	10.5:1
Power (SAE net, estimated)	173 bhp (129 kW) @ 6000 rpm (71 bhp/liter)

Torque (SAE net, estimated)	166 lb.-ft. (225 N•m) @ 4000 rpm
Maximum Engine Speed	6500 rpm (electronically limited)
Fuel Requirement	Unleaded regular, 87 octane (R+M)/2
Oil Capacity	5.0 qt. (4.7L) SAE 5W-20
Coolant Capacity	7.9 qt. (7.5L) — single or dual-zone climate control 9.8 qt. (9.3L) — tri-zone climate control
Emission Controls	Single catalytic converter, dual heated oxygen sensors and internal engine features ¹

Engine: 2.7-Liter, DOHC, 24-Valve, SMPI V6

Availability	Standard Journey SXT FWD — United States and Canada and SXT outside North America
Type and Description	60-degree, liquid-cooled, dual-tuned intake manifold
Displacement	167 cu. in. (2736 cu. cm)
Bore x Stroke	3.38 x 3.09 in. (86 x 78.5 mm)
Compression Ratio	9.9:1
Power (SAE net, estimated)	186 bhp (138 kW) @ 6400 rpm (70.4 bhp/liter)
Torque (SAE net, estimated)	191 lb.-ft. (258 N•m) @ 4000 rpm
Maximum Engine Speed	6464 rpm (electronically limited)
Fuel Requirement	FFV: unleaded regular, 87 octane (R+M)/2 or E-85 ²
Oil Capacity	6 qt. (5.7L) with dry filter SAE 5W-20
Coolant Capacity	9.8 qt. (9.3L) — single or dual-zone climate control 12.0 qt. (11.4L) — tri-zone climate control 12.0
Emission Controls	Dual, close-coupled three-way catalytic converters, quad heated oxygen sensors and internal engine features ³

Engine: 3.5-Liter, SOHC, 24-Valve, SMPI V6

Availability	Standard Journey R/T, Optional on SXT — United States and Canada
Type and Description	60-degree bank angle, liquid-cooled, three-plenum intake manifold with electronically controlled manifold tuning valve and short-runner valves
Displacement	215 cu. in. (3518 cu. cm)
Bore x Stroke	3.78 x 3.19 in. (96 x 81 mm)
Compression Ratio	10.0:1
Valve System	SOHC, 24 valves, hydraulic, center-pivot roller rocker arms

Fuel Injection	Sequential, multi-port, electronic
Power (SAE net, estimated)	235 bhp (175 kW) @ 6400 rpm (67.1 bhp/liter)
Torque (SAE net, estimated)	232 lb.-ft. 315 N•m @ 4000 rpm
Maximum Engine Speed	6800 rpm (electronically limited)
Fuel Requirement	Unleaded mid-grade, 89 octane (R+M)/2 — preferred Unleaded regular, 87 octane (R+M)/2 — acceptable
Oil Capacity	6 qt. (5.7L) with dry filter SAE 5W-20
Coolant Capacity	9.8 qt. (9.3L) — single or dual-zone climate control 12.0 qt. (11.4L) — tri-zone climate control
Emission Controls	Three-way catalytic converter, electronic EGR, and internal engine features ⁴

Transaxle: MP T355, Manual Five-speed Overdrive

Availability	Available with 2.4L Engine in markets outside North America
Description	Five-speed, overdrive, synchronized in all forward ratios, cable-operated, three-plane shifter
Clutch	Hydraulic actuation
Gear Ratios	
1st	3.77
2nd	2.16
3rd	1.41
4th	1.026
5th	0.81
Reverse	3.417
Final Drive Ratio	4.12
Overall Top Gear	3.34

Transaxle: Aisin BG6, Manual Six-speed Overdrive

Availability	Standard with 2.0L diesel engine in markets outside North America
Description	Six-speed, overdrive, synchronized in all ratios, cable-operated, four-plane shifter with reverse lockout ring
Clutch	Hydraulic actuation, dual mass flywheel system
Gear Ratios	
1st	3.538
2nd	2.045

3rd	1.367
4th	0.974
5th	0.897
6th	0.791
Reverse	3.831
Final Drive Ratio	Gears 1–4: 4.059 Gears 5, 6 and Reverse: 3.450
Overall Top Gear	2.728

Transaxle: Getrag MPS6, Dual Clutch, Six-speed

Availability	Available with 2.0L diesel engine in markets outside North America
Description	Six-speed, dual clutch transaxle with electronically controlled, hydraulically actuated multi-plate clutches
Gear Ratios	
1st	16.244
2nd	9.283
3rd	5.990
4th	4.404
5th	3.551
6th	2.961
Reverse	15.683

Transaxle: 41TES, Automatic Four-speed Overdrive

Availability	Standard with 2.4L (all markets) and 2.7L engine (North America)
Description	Four-speed overdrive, adaptive electronic control, electronically modulated converter clutch
Gear Ratios	
1st	2.842
2nd	1.57
3rd	1.0
4th	0.69
Reverse	2.21
Final Drive Ratio	4.28 with 2.4L engine

	4.08 with 2.7L engine
Overall Top Gear	2.95 with 2.4L engine 2.82 with 2.7L engine

Transaxle: 62TE/62TEA, Automatic Six-speed Overdrive

Availability	62TE Standard with FWD 3.5L engine (United States and Canada and 2.7L engine outside North America) 62TEA Standard with AWD 3.5L engine
Description	Six-speed, adaptive electronic control and electronically modulated torque converter clutch
Gear Ratios	
1st	4.127
2nd	2.842
3rd	2.283
4th	1.452 — Upshift 1.570 — WOT kickdown
5th	1.00
6th	0.690
Reverse	3.214
Transfer Ratio	0.95
Final Drive Ratio	3.43
Overall Top Gear	2.248

Drivetrain

Front-wheel Drive

Availability	Standard with all engines
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All-wheel Drive

Availability	Available with 3.5L V6 engine — United States and Canada
Type	Electronically Controlled Coupling (ECC) with variable torque output
Rear Differential	Open

Body/Chassis

Layout	Transverse front engine, front-wheel drive or all-wheel drive
Construction	Steel unibody

Suspension

Front	Independent MacPherson strut, coil spring over gas-charged shock absorbers, stabilizer bar with isolated suspension cradle
Rear	Multi-link independent with coil springs, link-type stabilizer bar, gas-charged shock absorbers and isolated rear suspension cradle

Steering

Type	Power rack and pinion
Overall Ratio	18.6:1
Turning Diameter (curb-to-curb)	38.5 ft. (11.7 m) — 16-in. or 17-in. wheels and tires 39.0 ft. (11.9 m) — 19-in. wheels and tires
Steering Turns (lock-to-lock)	3.3

Electrical

Battery	525-amp maintenance free — Standard with all petrol engines 700-amp maintenance free — Standard with 2.0L CRD engine
Alternator	140-amp — Standard with all petrol engines 160-amp — Included with seven-passenger vehicles 210-amp — Standard with 2.0L CRD engine in markets outside North America

Brakes

Four-wheel Disc	Standard on all models
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Front

Size and Type	11.9 x 1.1 in. (302 x 28 mm) vented rotors with 2.6 (66.0) single-piston floating caliper
Swept Area (total front)	55.0 sq. in. (355 sq. cm)

Rear

Size and Type	12.0 x 0.47 in. (305 x 12 mm) Solid Rotors with 2.6 (66.0) single-piston floating caliper
Swept Area (total rear)	54.3 sq. in. (350 sq. cm)
Power Assist Type	8 x 9 in. (204 x 230 mm) tandem-diaphragm vacuum
Parking Brake Type	Foot lever with integral parking brake

Electronic Chassis Control Features

Four-wheel Anti-lock (ABS)	Standard
Electronic Stability Program (ESP)	Standard

All-speed Traction Control	Standard
Trailer Sway Control	Standard
Electronic Roll Mitigation (ERM)	Standard

Dimensions and Capacities

Dimensions represent SXT FWD 2.7L/4-speed automatic transaxle except where noted. All measurements are in inches (mm) unless otherwise noted.

General

Wheelbase	113.8 (2889.8)
Track, Front	61.8 (1570.8)
Track, Rear	62.3 (1581.8)
Overall Length	192.4 (4887.6)
Overhang, Front	38.9 (989.3)
Overhang, Rear	39.7 (1008.5)
Overall Width	72.2 (1834.5)
Body Width, including Mirrors	83.7 (2127.0)
Overall Height (with P225/70R16 Tires)	67.0 (1701.0)
Vehicle Height including Roof Rack Assembly Complete (with P225/70R16 Tires)	69.9 (1774.7)

¹ Meets Federal Tier 2, Bin 4+ emission requirements. Meets PZEV NMOG + NOx emission limits under ULEV II for California, Massachusetts, New York, Maine, Vermont, Connecticut, Rhode Island, Pennsylvania, New Jersey, Washington and Oregon. Meets Euro IV emission requirements for Europe.

² E-85 fuel is a blend containing 85 percent fuel-grade ethanol and 15 percent gasoline. Federal FFV (Flexible Fuel Vehicle) can operate on both unleaded gasoline or E-85 fuel, or any mixture of these fuels.

³ FFV Meets Federal Tier 2, Bin 8+ emission requirements for 42 states. Meets ULEV II NMOG + NOx emission limits under ULEV II for California, Massachusetts, New York, Maine, Vermont, Connecticut, Rhode Island, Pennsylvania, New Jersey, Washington and Oregon. Standard petrol engine meets Euro IV emission requirements for Europe.

⁴ Meets Federal Tier 2, Bin 5+ emission requirements. Meets ULEV II NMOG + NOx emission limits under ULEV II for California, Massachusetts, New York, Maine, Vermont, Connecticut, Rhode Island, Pennsylvania, New Jersey, Washington and Oregon.