

NOTE: Information shown is correct at time of publication, and is subject to change without notice.

2007 Chrysler Aspen SPECIFICATIONS

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

GENERAL INFORMATION

Body Style _____ Four-door, full-size sport-utility vehicle
Assembly Plant _____ Newark, Delaware
EPA Vehicle Class _____ Multi-purpose vehicle

ENGINE: NEXT-GENERATION 4.7-LITER MAGNUM[®], SOHC, 16-VALVE SMPI V-8

Availability _____ Std.
Type and Description _____ 90-degree V-type, liquid-cooled
Displacement _____ 287 cu. in. (4701 cu. cm)
Bore x Stroke _____ 3.66 x 3.41 (93.0 x 86.5)
Valve System _____ Chain-driven SOHC, 16 valves and hydraulic end-pivot roller rockers
Fuel Injection _____ Sequential, multi-port, electronic, returnless
Construction _____ Cast-iron block and bedplate, aluminum alloy heads
Compression Ratio _____ 9.0:1
Power (estimated SAE net) _____ 235 bhp (172 kW) @ 4,600 rpm (50.0 bhp/L)
Torque (estimated SAE net) _____ 300 lb.-ft. (393 N•m) @ 3,600 rpm
Max. Engine Speed _____ 6,000 rpm (electronically limited)
Fuel Requirement _____ Unleaded regular, 87 octane (R+M)/2
Oil Capacity _____ 6 qt. (5.7L)
Emission Controls _____ Dual three-way catalytic converters,
heated oxygen sensors, electronic EGR and internal engine features(a)
Estimated EPA Fuel Economy mpg (City/Hwy) _____ 14/19—2WD or 14/18—4WD(b)

ENGINE: 5.7-LITER HEMI[®] MAGNUM, OHV, V-8 WITH MDS

Availability _____ Opt.
Type and Description _____ 90-degree 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 and 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 (estimated SAE net) _____ 335 bhp (250 kW) @ 5,200 rpm (58.8 bhp/L)
Torque (estimated SAE net) _____ 370 lb.-ft. (502 N•m) @ 4,200 rpm
Max. Engine Speed _____ 5,800 rpm (electronically limited)
Fuel Requirement _____ Unleaded mid-grade, 89 octane (R+M)/2—recommended,
Unleaded regular, 87 octane (R+M)/2—acceptable
Oil Capacity _____ 7 qt. (6.6L)
Coolant Capacity _____ 18.7 qt. (17.7L)
Emission Control _____ Dual three-way catalytic converters, heated oxygen sensors, electronic EGR
and internal engine features(c)
Estimated EPA Fuel Economy mpg (City/Hwy) _____ 15/20—2WD, 14/19—4WD

(a) Meets SULEV I emission requirements in CA, NY, MA, ME and VT. Meets Tier 2, Bin 10C emissions in other states.

(b) Tentative EPA label values, pending official test results.

(c) Meets LEV I emission requirements in CA, NY, MA, ME and VT.
Meets Tier 2, Bin 10A emission requirements in 45 remaining states.

TRANSMISSION: 5-45RFE, AUTOMATIC FIVE-SPEED

Availability _____ Included with 4.7L and 5.7L engines

Description _____ Three planetary gear sets, one overrunning clutch,
full electronic control, electronically controlled torque 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 _____ 2.38 with 3.55 axle or 2.63 with 3.92 axle

TRANSFER CASE: NV144HD

Availability _____ Std. with 4.7L engine

Type _____ Single-speed, electronically shifted

Operating Modes _____ AWD; Locked (4 Lock)

Low-Range Ratio _____ None

Center Differential _____ Planetary

Torque Split, Front/Rear _____ 48/52

TRANSFER CASE: NV244HD

Availability _____ Opt.—Included with 5.7L engine

Type _____ Two-speed, electronically shifted

Operating Modes _____ AWD; Neutral; Locked (4 Lock); Locked (4 Lo)

Low Range Ratio _____ 2.72

Center Differential Type _____ Planetary with lock

Torque Split, Front/Rear _____ 48/52

ELECTRICAL SYSTEM

Alternator _____ 160-amp—std.

Battery _____ Group 65 maintenance-free: 750 CCA—std.

DIMENSIONS AND CAPACITIES

Wheelbase _____ 119.2 (3027)

Track, Front _____ 64.4 (1636.5)

Track, Rear _____ 64.4 (1635.8)

Overall Length _____ 200.8 (5101)

Overall Width(a) _____ 76.0 (1930)

Overall Height _____ 74.3 (1887)

Load Floor Height _____ 33.2 (842)

Sill Step Height _____ 21.4 (544.3)

Ground Clearance

Chassis (fuel tank) _____ 10.0 (254)

Front axle _____ 10.1 (255.9)

Rear axle _____ 8.7 (220.9)

Frontal Area _____ 33.36 sq. ft. (3.099 sq. m)

Drag Coefficient _____ 0.391

Fuel Tank Capacity _____ 27 gal. (102L)

ACCOMMODATIONS

Seating Capacity, Front/Second/Rear _____ 2/3/2—std.; 2/3/3—opt.; 2/2/3—opt.

Front Seat

Head room _____ 40.8 (1036)

Leg room _____ 41.4 (1050.8)

Shoulder room _____ 59.4 (1508.6)

Hip room _____ 58.8 (1492.5)

Seat travel _____ 8.7 (220)

Recliner range, degrees _____ 69

SAE volume _____ 58.0 cu. ft. (1.642 cu. m)

Second Seat

Head room _____ 39.3 (997.5)

Leg room _____ 37.4 (949)

Shoulder room _____ 59.6 (1515)
 Hip room _____ 57.2 (1452)
 SAE volume _____ 50.6 cu. ft. (1.4 cu. m)

Third Seat

Head room _____ 39.2 (997)
 Leg room _____ 34.5 (875.1)
 Shoulder room _____ 58.9 (1495.4)
 Hip room _____ 48.0 (1219.2)
 SAE volume _____ 46.5 cu. ft. (1.32 cu. m)

Cargo Volume (cu. ft.)

Aft of third-row seat _____ 19.0 (538L)
 Aft of second-row seat, third-row seats folded _____ 67.25 (1.90 cu. m)
 Aft of front seat, second- and third-row seats folded _____ 102.4 (3.07 cu. m)
 Width between Wheelhouses _____ 48.2 (1225.2)

BODY AND FRAME

2WD

Layout _____ Longitudinal front engine, rear drive
 Construction _____ Ladder-type frame, steel body mounted on 10 rubber isolators

4WD

Layout _____ Longitudinal front engine,
 transfer case for rear-wheel drive or four-wheel drive
 Construction _____ Ladder-type frame, steel body mounted on 10 rubber isolators

SUSPENSION

Front _____ Upper and lower "A" arms, torsion bars,
 gas-charged monotube shock absorbers, stabilizer bar
 Rear _____ Live axle, link coil with Watt's linkage,
 gas-charged monotube shock absorbers, stabilizer bar

STEERING

Type _____ Power rack and pinion
 Overall ratio _____ 18.86—on center, 13.17:1 at full lock
 Turning Diameter (curb-to-curb)(a) _____ 39.9 ft. (12.2 m)
 Steering Turns (lock-to-lock) _____ 3.41

(a) Turning diameter is measured at the outside of the tires at curb height.

Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

BRAKES

Front

Size and type _____ 13.2 x 1.1 (336 x 28) vented disc
 with 2.13 (54) two-piston pin-slider caliper and ABS
 Swept area _____ 278 sq. in. (1796 sq. cm)

Rear

Size and type _____ 13.8 x 0.87 (352 x 22) disc
 with 2.13 (54) single-piston pin-slider caliper and single-channel ABS
 Swept area _____ 257 sq. in. (1658 sq. cm)

Power Assist Type _____ Dual-rate, tandem diaphragm vacuum
 Electronic Stability Program (ESP) _____ Std., with trailer sway control
 and Electronic Roll Mitigation (ERM)

TOWING CHARTS

Aspen Limited 2WD

Engine	Trans Type	Transmission	Axle Ratio	Rear Axle	GVWR	Payload	Base Wt. Tot.	Base Wt. Ft.	Base Wt. R	GAWR Frt.	GAWR Rear	GCWR	Max. Trail
4.7L V8	A5	545RFE 5-sp Auto	3.55	9.25	6,500	1,640	4,859	2,582	2,277	3,100	3,900	11,000	6,000
4.7L V8	A5	545RFE 5-sp Auto	3.92	9.25	6,500	1,640	4,859	2,582	2,277	3,100	3,900	12,500	7,500
4.7L V8 FFV	A5	545RFE 5-sp Auto	3.55	9.25	6,500	1,640	4,859	2,582	2,277	3,100	3,900	11,000	6,000
4.7L V8 FFV	A5	545RFE 5-sp Auto	3.92	9.25	6,500	1,640	4,859	2,582	2,277	3,100	3,900	12,500	7,500
5.7L V8 MDS	A5	545RFE 5-sp Auto	3.55	9.25	6,500	1,600	4,903	2,621	2,282	3,100	3,900	12,500	7,450
5.7L V8 MDS	A5	545RFE 5-sp Auto	3.92	9.25	6,500	1,600	4,903	2,621	2,282	3,100	3,900	14,000	8,950

Aspen Limited 4WD

Engine	Trans Type	Transmission	Axle Ratio	Rear Axle	GVWR	Payload	Base Wt. Tot.	Base Wt. Ft.	Base Wt. R	GAWR Frt.	GAWR Rear	GCWR	Max. Trail
4.7L V8	A5	545RFE 5-sp Auto	3.55	8.25	6,700	1,680	5,021	2,745	2,277	3,600	3,900	11,000	5,850
4.7L V8	A5	545RFE 5-sp Auto	3.92	8.25	6,700	1,680	5,021	2,745	2,277	3,600	3,900	12,500	7,350
4.7L V8 FFV	A5	545RFE 5-sp Auto	3.55	8.25	6,700	1,680	5,022	2,745	2,277	3,600	3,900	11,000	5,850
4.7L V8 FFV	A5	545RFE 5-sp Auto	3.92	8.25	6,700	1,680	5,022	2,745	2,277	3,600	3,900	12,500	7,350
5.7L V8 MDS	A5	545RFE 5-sp Auto	3.55	8.25	6,700	1,580	5,123	2,818	2,305	3,600	3,900	12,500	7,250
5.7L V8 MDS	A5	545RFE 5-sp Auto	3.92	8.25	6,700	1,580	5,123	2,818	2,305	3,600	3,900	14,000	8,750

NOTES: 1. Payload is rounded to the nearest 10 lbs. Payload = GVWR (-) Base Weight 2. Maximum trailer weights are rounded to the nearest 50 lbs. Maximum Trailer Weight = GCWR (-) Base wt. Total (-) 150 lbs. (allowance for driver) 3. All the above ratings are valid with Trailer Tow Package only 4. 4.7L V-8 FFV Engine (EVD) — 45 States Retail, Federal emissions. 4.7L V-8 Engine (EVA) — California emissions (CA, MA, ME, NY, and VT)

Payload Base Wt. Total Base Wt. Front Base Wt. Rear GAWR Front GAWR Rear GCWR Max Trail