

LEGEND: S=Standard, O=Optional, P=Package, — = Not available

Complete package information is listed at the end of the Feature Availability section.

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

2007 Jeep® Grand Cherokee SRT8

FEATURE AVAILABILITY

	SRT8
EXTERIOR	
Antenna—Fixed _____	S
Badging	
"SRT8" on liftgate passenger side _____	S
"Jeep" bright, on hood and liftgate _____	S
Colors	
Bright Silver, Brilliant Black, Inferno Red _____	O
Door Handles	
Body color _____	S
Fascias:	
Front with integrated brake ducts _____	S
Rear with center cutouts for four-inch exhaust tips _____	S
Front and rear (body color with bright insert) _____	S
Fog Lamps _____	S
Headlamps	
Halogen _____	S
SmartBeam® _____	O
Glass	
Liftgate, flipper with electric release and self-rising feature _____	S
Solar control glass front windshield and front doors _____	S
Sunscreen glass rear doors, rear quarter windows and liftgate _____	S
Grille	
Body color _____	S
Black lattice texture with body color surround _____	S
Mirrors	
Dual, power, heated, foldaway and automatic dimming driver's side (body color) _____	S
Moldings	
Belt, bright _____	S
Bodyside, chrome _____	S
Sill Extensions _____	S
Sun Roof—Power with one-touch express-open and close feature _____	O
Wipers	
Variable-delay intermittent _____	S
Rain-sensing automatic _____	O
Rear window _____	S
INTERIOR	
SRT8	
Pedals	
Power adjustable (standard in Laredo F and X Package) _____	S
Power with memory _____	O
Assist handles _____	S
Battery saver (automatically turns off exterior and interior lamps after eight minutes) _____	S

Cargo storage—Covered—Load floor includes reversible, water-resistant storage bin _____	S
Cargo tie down Loops (four), two D-rings at belt line on D-pillar and passenger-side quarter trim panel cargo net and two utility hooks on driver's side _____	S
Cover—Cargo compartment _____	S
Climate control	
Air conditioning, manual (includes provision for Mopar particulate or odor/particulate air filter) _____	S
Infrared dual-zone automatic (includes provision for Mopar particulate or odor/particulate air filter) _____	O
Colors	
Medium Slate Gray _____	S
Consoles	
Full-length floor with dual front cup holders, rear A/C outlets, non-locking storage, console lid includes storage net for CD wallet _____	S
Unique leather-wrapped center console armrest _____	S
Overhead—Two map/reading lamps and sunglass storage bin _____	S
Defroster—Rear window, electric _____	S
Door trim—Refined aluminum switch bezels _____	S
HomeLink®—Universal home transceiver _____	S
Illuminated Entry System _____	S
Instrument Panel	
"Carbon-fiber" technical finish on panel brow _____	S
Refined aluminum inserts _____	S
Instrument cluster includes 180-mph (300 kph) speedometer, tachometer and temperature gauges _____	S
Instruments trimmed with unique blue accent with carbon-fiber binnacle _____	S
Oil pressure and temperature displayed in specially configured unit in I/P center _____	S
Traveler/mini-trip computer	
Vehicle information center _____	S
Jeep® Memory System (programmable settings for two drivers: driver's seat, outside mirrors, radio station settings, last radio station and adjustable pedals _____)	O
Lamps	
Glove box, front courtesy/map, rear courtesy/reading with manual switch (two), cargo area and dual function liftgate lamp _____	S
Power Accessory Delay (power sun roof and windows remain operable for 45 seconds after ignition off) _____	S
Power Outlet—Auxiliary 12-volt—IP-mounted _____	S
Cargo power-point, mounted left-side _____	S
Seats, Front	
Power-adjustable, deeply sculpted performance front seats _____	S
Heated _____	O
Seats, Rear	
Single-action folding 60/40 split seat with folding outboard head restraints and retractable cup holders in seat cushion _____	S
Sound Insulation	
Hood _____	S
Dash liner _____	S
Deluxe Insulation Group _____	S
Floor tunnel _____	S
Sound Systems and Entertainment	
AM/FM stereo with six-disc in-dash CD with MP3 capability _____	S
Color full-screen navigation system with GPS and DVD map _____	O
SIRIUS Digital Satellite Radio _____	O
Rear-seat video system—Screen in rear overhead console and DVD in center floor console (included in P1) _____	O

Speakers

Six Boston Acoustics (includes two 3.5-inch mid- to high-frequency instrument panel-mounted speakers, two 6 x 9-inch woofers mounted in the front doors and two 6.5-inch full-range speakers mounted in the rear doors; plus six-channel, 285-watt amplifier with Digital Signal Processing) _____

S

Shifter—Refined aluminum finish _____

S

Knob—“carbon-fiber” technical finish _____

S

Steering Wheel

Leather-wrapped with “carbon-fiber” technical finish _____

S

Sun Visors

With illuminated vanity mirrors and variable intensity lamps _____

S

UConnect™ hands-free communications system _____

O

Windows—Power, one-touch up/down _____

S

SRT8

POWERTRAIN AND CHASSIS

6.1-liter HEMI V-8 engine with upgraded A580 five-speed automatic transmission _____

S

Axle Ratio—3.73:1 _____

S

Brakes

Four-wheel ABS, 360 mm rotors, front; 350 mm rotors, rear; Gloss Black calipers _____

S

Differential Types

Front—Conventional _____

S

Rear—Upgraded Dana 44 _____

S

Engine Block Heater _____

Steering—Power rack and pinion _____

S

Suspension

Short-long-arm (SLA), independent front, upper & lower control arms (“A” arms) stabilizer bar _____

S

Live axle, link coil with track bar, stabilizer bar _____

S

Tires (a)

Front—255/45W20 Goodyear Eagle RSA all-season/run flat _____

S

Rear—285/40W20 Goodyear Eagle RSA all-season/run-flat _____

S

Wheels—New 20-inch wheels—five-spoke forged machined aluminum _____

S

(a) Another tire size or brand may also be used.

SRT8

SAFETY AND SECURITY

Air Bags

Advanced multi-stage driver and front-passenger air bags(a) _____

S

Occupant Classification System _____

S

Advanced side air bags for front and outboard rear seat occupants _____

O

Brake-Shift and Park-Ignition interlocks _____

S

Door Locks

Child protection, rear _____

S

Power with programmable automatic locking keyless entry—

Remote with two color-coded transmitters _____

S

Park assist rear object detection _____

O

Electronic Stability Program (ESP) _____

S

Brake Assist _____

S

Seat Belts

Front: Three-point belts with shoulder belt height adjusters _____

S

Rear: Three-point belts for outboard and center _____

S

Lower Anchors and Tether for CHildren (LATCH) child seat anchor system _____

S

Security Alarm _____

S

Sentry Key® Theft Deterrent System engine immobilizer _____

S

PACKAGES

P1 – Electronic Infotainment System Group—Rear overhead console with overhead LCD monitor center console-mounted DVD player, battery-powered remote control, and two headsets _____ O

(a) Certified to federal regulations that allow less forceful air bags. Always use seat belts. Remember, a back seat is the safest place for children.

SPECIFICATIONS

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

GENERAL INFORMATION

Body Style _____ Four-door sport-utility vehicle
Construction _____ Steel Uniframe®
Assembly Plant _____ Jefferson Avenue North, Detroit, USA, and
Magna Steyr Assembly Plant in Graz, Austria
EPA Vehicle Class _____ Multi-purpose vehicle
2006 MY Introduction _____ Fall 2005

ENGINE: 6.1-LITER, HEMI® V-8

Availability _____ Std.—Grand Cherokee SRT8
Type and Description _____ 90-degree V-type, liquid-cooled
Displacement _____ 370 cu. in. (6059 cu. cm)
Bore x Stroke _____ 4.06 x 3.58 (103.0 x 90.9)
Valve System _____ Pushrod-operated overhead valves, 16 valves,
eight conventional hydraulic lifters, all 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 _____ 10.3:1
Power (estimated SAE net) _____ 420 bhp (313 kW) @ 6,200 rpm, (69 bhp/L)
Torque (estimated SAE net) _____ 420 lb.-ft. (569 N•m) @ 4,800 rpm
Max. Engine Speed _____ 6,400 rpm (electronically limited)
Fuel Requirement _____ Premium 91 octane (R+M)/2—recommended
Oil Capacity _____ 7 qt. (6.6L)
Coolant Capacity _____ 14 qt. (13.25L)
Emission Controls _____ Dual close-coupled three-way catalytic converters,
quad heated oxygen sensors and internal engine features
Max. Gross Trailer Weight _____ 3,500 lbs.
EPA Fuel Economy mpg (City/Hwy) _____ 12/15

TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC

Availability _____ Std.—Grand Cherokee SRT8
Description _____ Adaptive electronic control, Performance-tuned AutoStick® driver-interactive
manual control and electronically modulated torque converter clutch
Gear Ratios
1st _____ 3.59
2nd _____ 2.19
3rd _____ 1.41
4th _____ 1.00
5th _____ 0.83
Reverse _____ 3.14
Final Drive Ratio _____ 3.73
Overall Top Gear _____ 3.10

ELECTRICAL SYSTEM

Alternator _____ 160-amp
Battery _____ H7 Case, 730 CCA, maintenance-free

TRANSFER CASE: MD146 SRT

Availability _____ Standard
Type _____ Single-speed
Operating Mode _____ Electronic on-demand 4x4
Low-Range Ratio _____ None
Center Differential Type _____ Electronically controlled clutch pack torque transfer
Torque Split, Front/Rear _____ Fully variable

FRONT AXLES

Differential Type _____ Conventional
Availability _____ Standard
Ring Gear Diameter _____ 7.9 in. (200 mm)
Axle Ratios _____ 3.73:1

REAR AXLES

Differential Type _____ Conventional
Availability _____ Standard
Ring Gear Diameter _____ 8.9 in. (226 mm)
Axle Ratios _____ 3.73:1

DIMENSIONS AND CAPACITIES

Wheelbase _____ 109.5 (2781)
Track, Front _____ 63.3 (1608)
Track, Rear _____ 62.1 (1577)
Overall Length _____ 195.1 (4953.3)
Overall Width (width at mirrors) _____ 84.3 (2138.7)
Body Width _____ 73.3 (1861.8)
Overall Height _____ 66.7 (1694.2)
Load Floor Height _____ 31.1 (789.9)
Sill Step Height _____ 20.1 (511.5)
Ground Clearance
 Chassis (fuel tank) _____ 8.5 (215.9)
 Front axle _____ 7.5 (190.5)
 Rear axle _____ 7.0 (177.8)
Approach Angle _____ 15.8°
Ramp Breakover Angle _____ 9.7°
Departure Angle _____ 19.7°
Curb Weight _____ 4WD Limited: 4,819 lbs. (2186 kg) with 6.1L engine
GVWR _____ 6150 (2790)
Weight Distribution, F/R _____ 4WD 56/44
Payload (includes occupants and cargo) 4WD 6.1L engine _____ 1,050 lbs. (476 kg)
Frontal Area _____ 30.3 sq. ft. (2.82 sq. m)
Drag Coefficient _____ 0.39
Aero _____ 11.7 (Cd x Cross Sectional Area)
Fuel Tank Capacity _____ 20.5 gal. (77.6L)

ACCOMMODATIONS

Seating Capacity, Front/Second _____ 2/3
Front Seat
 Head room _____ 39.7 (1008)
 Leg room _____ 41.7 (1058)
 Shoulder room _____ 59.1 (1502)
 Hip room _____ 57.6 (1451)
 Seat travel _____ 10.6 (270)
 SAE volume _____ 58.02 cu. ft. (1.6 cu. m)

Rear Seat

Head room _____ 39.3 (999)
Leg room _____ 35.5 (901)
Shoulder room _____ 58.5 (1584)
Hip room _____ 45.8 (1163.7)
Knee clearance _____ 1.44 (36.6)
Couple _____ 33.0 (838.2)
SAE volume _____ 50.84 cu. ft. (1.4 cu. m)

Cargo Volume

Behind rear seat _____ 34.5 cu. ft. (1.14 cu. m)
Behind front-row seats with rear seats folded _____ 67.4 cu. ft. (2.00 cu. m)

BODY

Layout _____ Longitudinal front engine, transfer case with
Electronic on-demand four-wheel drive
Construction _____ Steel Uniframe

SUSPENSION

Front _____ Short/long independent (SLA), coil springs, gas-charged,
monotube coil over shock absorbers, upper and lower
control arms ("A" arms), stabilizer bar
Rear _____ Live axle, link coil with track bar, gas-
charged monotube shock absorbers, stabilizer bar

STEERING

Type _____ Power rack and pinion
Overall Ratio _____ 15.8:1—on center, 13.9:1—at full lock
Turning Diameter (curb-to-curb)(a) _____ 37.1 ft. (11.3 m)
Steering Turns (lock-to-lock) _____ 2.85

(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 _____ 14.2 x 1.25 (360 x 32.0) vented disc with 1.73 (44 mm)
Four-piston Brembo fixed caliper and four channel ABS
Swept area _____ 351 sq. in. (2261 sq. cm)

Rear

Size and type _____ 13.8 x 1.1 (350 x 28) disc with 1.26/1.10 (32/28)
Four-piston fixed Brembo caliper and four channel ABS
Swept area _____ 316 sq. in. (2036 sq. cm)

Power Assist Type _____ Single-rate, tandem diaphragm vacuum

TIRES(a)**Front—Standard**

Size and type _____ 255/45-W20
Mfr. and model _____ Goodyear Eagle RSA
All-season/run-flat
Revs per mile _____ 721

Rear—Standard

Size and type _____ 285/40-W20
Mfr. and model _____ Goodyear Eagle RSA
All-season/run-flat
Revs per mile _____ 721

WHEELS**Front—Standard**

Type and material _____ Forged/Machined—aluminum wheels
Size _____ 20" x 9"

Rear—Standard

Type and material _____ Forged/Machined—aluminum wheels
Size _____ 20" x 10"

(a) Another tire size or brand may also be used.