2007 Jeep® Grand Cherokee SRT8
FEATURE AVAILABILITY

**EXTERIOR**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna—Fixed</td>
<td>S</td>
</tr>
<tr>
<td>Badging</td>
<td>S</td>
</tr>
<tr>
<td>&quot;SRT8&quot; on liftgate passenger side</td>
<td>S</td>
</tr>
<tr>
<td>&quot;Jeep&quot; bright, on hood and liftgate</td>
<td>S</td>
</tr>
<tr>
<td>Colors</td>
<td>O</td>
</tr>
<tr>
<td>Bright Silver, Brilliant Black, Inferno Red</td>
<td>O</td>
</tr>
<tr>
<td>Door Handles</td>
<td>S</td>
</tr>
<tr>
<td>Body color</td>
<td>S</td>
</tr>
<tr>
<td>Fascias:</td>
<td>S</td>
</tr>
<tr>
<td>Front with integrated brake ducts</td>
<td>S</td>
</tr>
<tr>
<td>Rear with center cutouts for four-inch exhaust tips</td>
<td>S</td>
</tr>
<tr>
<td>Front and rear (body color with bright insert)</td>
<td>S</td>
</tr>
<tr>
<td>Fog Lamps</td>
<td>S</td>
</tr>
<tr>
<td>Headlamps</td>
<td>S</td>
</tr>
<tr>
<td>Halogen</td>
<td>S</td>
</tr>
<tr>
<td>SmartBeam®</td>
<td>O</td>
</tr>
<tr>
<td>Glass</td>
<td>S</td>
</tr>
<tr>
<td>Liftgate, flipper with electric release and self-rising feature</td>
<td>S</td>
</tr>
<tr>
<td>Solar control glass front windshield and front doors</td>
<td>S</td>
</tr>
<tr>
<td>Sunscreen glass rear doors, rear quarter windows and liftgate</td>
<td>S</td>
</tr>
<tr>
<td>Grille</td>
<td>S</td>
</tr>
<tr>
<td>Body color</td>
<td>S</td>
</tr>
<tr>
<td>Black lattice texture with body color surround</td>
<td>S</td>
</tr>
<tr>
<td>Mirrors</td>
<td>S</td>
</tr>
<tr>
<td>Dual, power, heated, foldaway and automatic dimming driver’s side (body color)</td>
<td>S</td>
</tr>
<tr>
<td>Moldings</td>
<td>S</td>
</tr>
<tr>
<td>Belt, bright</td>
<td>S</td>
</tr>
<tr>
<td>Bodyside, chrome</td>
<td>S</td>
</tr>
<tr>
<td>Sill Extensions</td>
<td>S</td>
</tr>
<tr>
<td>Sun Roof—Power with one-touch express-open and close feature</td>
<td>O</td>
</tr>
<tr>
<td>Wipers</td>
<td>S</td>
</tr>
<tr>
<td>Variable-delay intermittent</td>
<td>S</td>
</tr>
<tr>
<td>Rain-sensing automatic</td>
<td>O</td>
</tr>
<tr>
<td>Rear window</td>
<td>S</td>
</tr>
</tbody>
</table>

**INTERIOR**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedals</td>
<td>S</td>
</tr>
<tr>
<td>Power adjustable (standard in Laredo F and X Package)</td>
<td>S</td>
</tr>
<tr>
<td>Power with memory</td>
<td>O</td>
</tr>
<tr>
<td>Assist handles</td>
<td>S</td>
</tr>
<tr>
<td>Battery saver (automatically turns off exterior and interior lamps after eight minutes)</td>
<td>S</td>
</tr>
</tbody>
</table>
Cargo storage—Covered—Load floor includes reversible, water-resistant storage bin

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

Cover—Cargo compartment

Climate control
Air conditioning, manual (includes provision for Mopar particulate or odor/particulate air filter)
Infrared dual-zone automatic (includes provision for Mopar particulate or odor/particulate air filter)

Colors
Medium Slate Gray

Consoles
Full-length floor with dual front cup holders, rear A/C outlets, non-locking storage, console lid includes storage net for CD wallet

Overhead—Two map/reading lamps and sunglass storage bin

Defroster—Rear window, electric

Door trim—Refined aluminum switch bezels

HomeLink®—Universal home transceiver

Illuminated Entry System

Instrument Panel
“Carbon-fiber” technical finish on panel brow
Refined aluminum inserts

Instrument cluster includes 180-mph (300 kph) speedometer, tachometer and temperature gauges

Instruments trimmed with unique blue accent with carbon-fiber binnacle

Oil pressure and temperature displayed in specially configured unit in I/P center

Traveler/mini-trip computer
Vehicle information center

Jeep® Memory System (programmable settings for two drivers: driver’s seat, outside mirrors, radio station settings, last radio station and adjustable pedals)

Lamps
Glove box, front courtesy/map, rear courtesy/reading with manual switch (two), cargo area and dual function liftgate lamp

Power Outlet—Auxiliary 12-volt—IP-mounted

Power Accessory Delay (power sun roof and windows remain operable for 45 seconds after ignition off)

Cargo power-point, mounted left-side

Seats, Front
Power-adjustable, deeply sculpted performance front seats
Heated

Seats, Rear
Single-action folding 60/40 split seat with folding outboard head restraints and retractable cup holders in seat cushion

Sound Insulation
Hood
Dash liner
Deluxe Insulation Group
Floor tunnel

Sound Systems and Entertainment
AM/FM stereo with six-disc in-dash CD with MP3 capability
Color full-screen navigation system with GPS and DVD map
SIRIUS Digital Satellite Radio

Rear-seat video system—Screen in rear overhead console and DVD in center floor console (included in P1)
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

**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 ....................................................................................... 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.

**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
Construction ______________________________________________________ Steel Uniframe

SUSPENSION

Front __________________________________________________________ Short/long independent (SLA), coil springs, gas-charged,
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)
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)
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
Revs per mile __________________________________________ 721

Rear—Standard

Size and type ___________________________285/40-W20
Mfr. and model __________________________ Goodyear Eagle RSA
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.