

# 2012 Jeep® Grand Cherokee SRT8®

## SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted. All dimensions are measured at curb weight with standard tires and wheels.

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

### GENERAL INFORMATION

Body Style	Four-door sport-utility vehicle
Construction	Steel uniframe
Assembly Plant	Jefferson Avenue North Assembly Plant, Detroit, Mich.
EPA Vehicle Class	Multi-purpose vehicle
Introduction	Summer 2011 as a 2012 model

### ENGINE: 6.4-LITER HEMI® V-8 WITH FUEL SAVER TECHNOLOGY

Availability	Standard
Type and Description	90-degree V-type, liquid-cooled
Displacement, cu. in. (cu. cm.)	392 (6,424)
Bore x Stroke	4.09 x 3.72 (103.9 x 94.5)
Valve System	Pushrod-operated overhead valves, 16 valves with sodium-filled exhaust valves and hollow stem intake valves, 16 conventional hydraulic lifters, all with roller tips
Fuel Injection	Sequential, multi-port, electronic, returnless; automatic features Fuel Saver mode
Construction	Deep-skirt cast-iron block with cross-bolted main bearing caps, aluminum alloy heads with hemispherical combustion chambers
Compression Ratio	10.9:1
Power (SAE J2723)	470 hp (351 kW) at 6,000 rpm
Torque (SAE J2723)	465 lb.-ft. (630 N•m) at 4,300 rpm
Max. Engine Speed	6,400 rpm (electronically limited)
Fuel Requirement	Premium 91 octane (R+M)/2 — recommended
Oil Capacity, qt. (L)	7 (6.6)
Coolant Capacity, qt. (L)	14 (13.25)
Factory Oil Fill	5W-40 Synthetic
Emission Controls	Dual close-coupled three-way catalytic converters, quad-heated oxygen sensors and internal engine features(a)
EPA Fuel Economy mpg (City/Hwy)	12/18
Assembly Plant	Saltillo Engine Plant, Saltillo, Mexico

(a) Meets Federal Tier 2, Bin 5 emissions requirements; marketed in California as an LEV II (Low Emission Vehicle) under cleanest vehicle rules.

**TRANSMISSION: W5A580 FIVE-SPEED AUTOMATIC**

Availability	Standard with 6.4-liter HEMI engine
Description	AutoStick driver interactive manual control and electronically modulated torque converter clutch
<b>Gear Ratios</b>	
1 <sup>st</sup>	3.59
2 <sup>nd</sup>	2.19
3 <sup>rd</sup>	1.41
4 <sup>th</sup>	1.00
5 <sup>th</sup>	0.83
Reverse	3.16
Final Drive Ratio	3.70:1 – ZF Electronic Limited Slip Differential
Overall Top Gear	3.07

**TRANSFER CASE: MP 3010**

Availability	Standard with 6.4-liter HEMI engine
Type	Single-speed, electronic proportioning
Operating Modes	Full-time 4WD
Torque Split, Front/Rear	Variable - 50/50 Snow and 35/65 Sport and Track

**FRONT AXLES**

Differential Type	Conventional
Availability	Standard with 6.4-liter HEMI engine
Ring Gear Diameter	7.7 (195)
Axle Ratio	3.70:1

**REAR AXLES**

Differential Type	Electronic Limited Slip Differential (ELSD)
Availability	Standard with 6.4-liter HEMI engine
Ring Gear Diameter	9 (230)
Axle Ratio	3.70:1

**ELECTRICAL SYSTEM**

Alternator	Standard 220-amp
Battery	Group 65 maintenance-free 750CCA

**DIMENSIONS AND CAPACITIES**

Wheelbase	114.8 (2,915)
Track, Front	63.7 (1,618)
Track, Rear	64.3 (1,633)
Overall Length	191.3 (4,859)
Overall Width (Width at Mirrors)	84.9 (2,156)

Body Width	77.1 (1,958)
Overall Height (at Roof Rail/at Antenna)	69.1/76.9 (1,756 /1,952)
Load Floor Height	32.4 (823)
Sill Step Height	20.7 (527)
Minimum Ground Clearance	8.3 (210.8)
Chassis (Fuel Tank)	9 (230)
Front Axle	8.97 (227.8)
Rear Axle	8.99 (228.3)
Approach Angle, Degrees	18.45
Ramp Breakover Angle, Degrees	17.84
Departure Angle, Degrees	21.9
Frontal Area, sq. ft. (sq. m.)	31.5 (2.93)
Drag Coefficient	.39
Aero CdA	12.2 (Cd x cross-sectional area)
Fuel Tank Capacity, gal. (L)	24.6 (93.1)
<b>ACCOMMODATIONS</b>	
Seating Capacity, Front/Second	2/3
Front Seat	
Head Room	39.9 (1,013)
Legroom	40.3 (1,025)
Shoulder Room	58.7 (1,491)
Hip Room	57.0 (1,449)
Seat Travel	11.0 (280)
SAE Volume, cu. ft. (cu. m.)	54.6 (1.55)
Rear Seat	
Head Room	39.2 (995)
Legroom	38.6 (981)
Shoulder Room	58.0 (1,474)
Hip Room	56.2 (1,428)
Knee Clearance	4.3 (110)
Couple	34.6 (880)
SAE Volume, cu. ft. (cu. m.)	50.8 (1.4)
Cargo Volume	
Behind Rear Seat, cu. ft. (cu. m.)	35.1 (0.99)
Rear Seats Folded, cu. ft. (cu. m.)	68.7 (1.95)

	<b>MODEL</b>	<b>ENGINE</b>	<b>GVWR<sup>(a)</sup> lbs. (kg)</b>	<b>CURB WEIGHT<sup>(b)</sup> lbs. (kg)</b>	<b>PAYLOAD<sup>(c)</sup> lbs. (kg)</b>
<b>4WD</b>	SRT8	6.4-liter	6,500 (2,948)	5,150 (2,336)	1,350 (612)

(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

(c) Payload is the maximum allowable weight of driver, passengers, cargo, and options, rounded to the nearest 10 lbs. (5kg).

#### **WEIGHT DISTRIBUTION, F/R**

<b>4WD</b>	54/46
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#### **BODY**

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

#### **EXHAUST**

Type	Dual exhaust with active valves and dual 4-in. oval black chrome tips
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#### **SUSPENSION**

Front	Short- and long-arm independent (SLA), coil springs, Bilstein Adaptive Damping Suspension (ADS), upper- and lower-control arms ("A" arms), stabilizer bar
Rear	Multi-link rear suspension, coil spring, Bilstein Adaptive Damping Suspension (ADS), aluminum lower control arm, independent upper links (tension and camber) plus a separate toe link, stabilizer bar

#### **STEERING**

Type	SRT-tuned power rack and pinion
Steering Ratio	17.5:1
Turn Circle, ft. (m.)	37.1 (11.3)
Lock-to-Lock Steering Wheel Rotations	3.369

#### **BRAKES**

<b>Front</b>	
Size and Type	15.0 x 1.34 (380 x 34) vented disc with Brembo six-piston caliper and ABS
Swept Area, sq. in. (sq. cm.)	104.2 (672)
<b>Rear</b>	
Size and Type	13.78 x 1.10 (350 x 28) disc with Brembo four-piston caliper and single-channel ABS
Swept Area, sq. in. (sq. cm.)	79.0 (508)
Power Assist	Single-rate, tandem diaphragm vacuum

(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.

## TIRES

Standard	
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli Scorpion Verde – All-Season Performance (run flat)
Revs per Mile	699
Optional	
Size and Type	P295/45ZR20
Mfr. and Model	Pirelli P-Zero – Three Season (run flat)
Revs per Mile	699

## TRAILER TOWING<sup>(a)</sup>

	ENGINE	AXLE RATIO	MAXIMUM TRAILER WEIGHT <sup>(b)</sup> LBS. (KG)
<b>4WD</b>	6.4-liter V-8	3.70	5,000 (2269)

- (a) For towing heavier trailers up to the Maximum Trailer Weight Ratings shown in the Trailer Towing chart, the vehicle must be equipped with the Trailer Tow Group Class IV for the 6.4-liter engine for North America.
- (b) Maximum Trailer Weight = GCWR - Curb Wt. with hitch - 300 lbs. (allowance for driver and passenger) and must be decreased by the weight of optional equipment, cargo and additional passengers. Maximum trailer weights shown are rounded to the nearest 50 lbs. Tongue weight should be 10-15% of loaded trailer weight but may not cause vehicle to exceed GVWR or GAWR. Load equalizing hitch recommended for trailers over 2,000 pounds.

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## 2012 Jeep® Grand Cherokee SRT8®

### FEATURE AVAILABILITY

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.

	<b>SRT8</b>
<b>EXTERIOR</b>	
<b>Colors</b>	
Brilliant Black, Bright Silver, Deep Cherry Red, Mineral Gray	O
<b>Badges</b>	
Jeep	S
Grand Cherokee	S
SRT8	S
Black chrome exhaust tips	S
Black roof molding	S
Body-color fascias with gloss black insert and chrome bezels (front) and separate trailer hitch cover (rear)	S
Body-color grille with chrome throat bezels	S
Body-color rear spoiler	S
Body-color sill extension	S
Bright daylight opening (DLO), bright grille	S
Bright racing style brake and accelerator pedal pads	S
Bright license plate brow	S
Deep tint sunscreen glass	S
Door sill scuff pads (brushed aluminum) with Jeep® logo	S
Command View® dual-pane panoramic sunroof w/power shade	O
Flipper liftgate glass	S
Front door tinted glass	S
Front license plate bracket	O
Grille (back mesh insert)	S
<b>Lights</b>	
Automatic headlamps	S
Auto headlamp leveling system	S
Bi-xenon headlamps	S
LED daytime running lamps	S
Premium fog lamps	S
SmartBeam® headlamps	S
<b>Mirrors</b>	
Body color, power heated memory, multi-functioning mirrors, fold away	S
Power liftgate	P
SRT hood with heat extractors	S

	<b>SRT8</b>
Sunroof, single pane power front (with rear DVD)	P
<b>Wipers</b>	
Rain-sensitive windshield	S
Rear window wiper/washer and rear window defroster	S
<b>INTERIOR</b>	
<b>Auxiliary power</b>	
12-volt auxiliary power outlets — front and rear	S
115-volt auxiliary power outlet	S
<b>Air Conditioning</b>	
Air conditioning with automatic dual zone temperature control	S
Air filtering	S
Carbon fiber interior accents	S
Electronic Vehicle Information Center (EVIC) with Performance Pages	S
Floor console – premium full length	S
Illuminated cup holders	S
<b>Interior colors</b>	
Black	S
Laminated front door glass	S
LED lighting – lower driver and passenger doors	S
Deluxe door trim panel	S
Luxury front/rear floor mats	S
Passenger assist handles	S
Perforated leather-wrapped shift knob	S
Premium instrument cluster with tachometer and dual note electric horns	S
180mph speedometer	S
Premium silver strakes in rear cargo area	S
Premium insulation group	S
Radio/driver seat/mirrors memory	S
<b>Seats</b>	
Heated front seats	S
Heated second-row seats	S
Power eight-way driver and passenger seats	S
Power driver/pass four-way lumbar	S
Premium Nappa leather-trimmed bucket seats with preferred suede, vented	S
Rear seat 60/40 folding	S
Ventilated front seats	S

	<b>SRT8</b>
<b>Sound systems and entertainment</b>	
Nine amplified speakers with subwoofer and 506 watt amp	S
SIRIUS Satellite Radio	S
SIRIUS Travel Link	S
730N media center-CD/DVD/MP3/HDD/Nav., GPS with voice command	S
SRT High Performance Audio from Harman Kardon® with 19 speakers, 10-inch subwoofer, 825-watt amplifier	O
<b>Steering column</b>	
Power tilt/telescoping	S
<b>Steering wheel</b>	
Leather-wrapped, heated with additional controls	S
Paddle shifters, mounted	S
Speed control	S
<b>Storage</b>	
Center floor console and overhead console	S
Cargo compartment cover	S
Cargo net	S
Cargo trim panel with storage and cargo tie-down loops	S
Sun visors with illuminated vanity	S
<b>POWERTRAIN AND CHASSIS</b>	
<b>Alternator</b>	
220-amp alternator	S
<b>Axle ratio – 3.70</b>	
230 mm rear axle, electronic limited slip	S
195 mm front conventional differential	S
<b>Battery</b>	
700-amp maintenance free	S
<b>Brakes</b>	
SRT high performance, anti-lock four-wheel disc	S
Brembo six-piston front calipers; four-piston rear calipers	S
<b>Engine</b>	
6.4-liter V-8 HEMI® engine with Fuel Saver Technology	S
Engine block heater	O
Engine oil cooler	S
<b>Fuel tank</b>	
24.6 gallon capacity	S
SRT performance-tuned adaptive damping suspension	S
Quadra-Trac Active On Demand 4WD	S
Selec-Track system	S
Five dynamic modes: Auto, Sport, Track, Snow and Tow	S



	<b>SRT8</b>
SRT performance-tuned steering, fully hydraulic	S
Heavy duty pump and cooler	S
Transfer case	
Single-speed, electronic proportioning	S
Transmission	
W5A580 five-speed automatic with paddle shift and Auto Stick	S
Tires	
P295/45ZR20 Pirelli Scorpion Verde, All Season (run flat)	S
P295/45ZR20 Pirelli P-Zero, Three Season (run flat)	O
Mini spare	S
Wheels	
20 in. x 10 in. forged aluminum, painted, split 5-spoke	S
<b>SAFETY AND SECURITY</b>	
Adaptive speed control	P
Advanced multi-stage front air bags	S
Active head restraints	S
Auto dim exterior driver mirror	S
Blind-spot Monitoring and Cross Path Detection	P
Child seat anchor system with child seat upper tether anchor	S
Electronic stability control (ESC) with brake assist	S
Enhanced accident response	S
Exterior mirrors with supplemental signals	S
Forward Collision Warning	P
Four-wheel traction control	S
Illuminated entry, glove box lamp and LED lighting	S
Hill-start Assist (HAS)	S
Interior removable/rechargeable light	S
Keyless Enter-N-Go with Sentry Key <sup>®</sup> theft deterrent	S
Locking glove box	S
ParkView <sup>®</sup> rear back-up camera	S
Parksense <sup>®</sup> rear park assist system	S
Power accessory delay	S
Power front windows with one-touch up/down and power locks	S
Power locking fuel filler	S
Rain Brake Support	S
Ready Alert Braking	S
Remote proximity keyless entry	S
Remote start system	S
Security alarm	S
Supplemental side curtain front/rear air bags	S

	<b>SRT8</b>
Supplemental front seat side air bag	S
Tire-pressure monitoring (TPM) display	S
Uconnect <sup>®</sup> Phone handsfree communication	S
Universal garage door opener	S

### **SRT TRACK EXPERIENCE**

Includes a one-day driving experience designed for SRT owners and performance enthusiasts to maximize their driving knowledge and skills on the street or track. All SRT owners and enthusiasts are eligible to participate in this day-long event held at selected tracks throughout the season with first-rate driving instruction from the professionals at the Richard Petty Driving Experience	S
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### **PACKAGES / EQUIPMENT GROUPS**

<b>Rear DVD Entertainment Center</b> - Rear-seat video system, rear overhead console, power sunroof	O
<b>Luxury Group II</b> - Premium upper door trim and instrument panel, power liftgate, forward collision warning, adaptive speed control, Blind-spot Monitoring and Cross Path Detection, leather-wrapped interior items	O
<b>SRT High Performance Audio System by Harman Kardon<sup>®</sup></b> - with 19 speakers, 825-watt amplifier with 10-inch subwoofer, Sirius Traffic-1yr., remote USB port, 30GB hard drive w/ 4250 song capacity	O
<b>Trailer Tow Group IV</b> - Class IV receiver hitch, 7- and 4-pin wiring harness	O

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