



2013 SRT VIPER and SRT VIPER GTS
SPECIFICATIONS

2013 SRT Viper and SRT Viper GTS SPECIFICATIONS

All dimensions are in inches (millimeters) unless otherwise noted.
Information shown is correct at time of publication and is subject to change.

GENERAL INFORMATION

Vehicle Type	Coupe
Assembly Plant	Conner Avenue Assembly Plant, Detroit
EPA Vehicle Class	Two-seater
Introduction Date	2013 model year

BODY/CHASSIS

Layout	Longitudinal front engine, rear-wheel drive
Construction	Backbone tubular steel space frame with magnesium cowl structure. Carbon fiber clamshell hood, roof, and liftgate assemblies. Aluminum doors and sills. RIM quarter panels and fascias.

ENGINE: 8.4-LITER V-10

Type and Description	10-cylinder, 90-degree V-type, liquid-cooled
Displacement, liter (cu.in.)	8.4 (512)
Bore x Stroke	4.055 x 3.96 (103 x 100.6)
Flywheel	Low-inertia aluminum with steel wear surface
Intake	Three-piece shell molded, vibration-welded composite for improved flow, reduced weight and improved thermal performance
Valve System	OHV, variable-valve timing (VVT), 20 valves, roller-type hydraulic lifters
Fuel Injection	Sequential, multi-port, electronic
Construction	Aluminum-alloy block with cast-iron liners, forged-aluminum pistons, forged-steel crankshaft, aluminum-alloy heads
Compression Ratio	10.2:1
Power (SAE net)	640 bhp (477 kW) @ 6,200 rpm (76 bhp/liter)
Torque (SAE net)	600 lb.-ft. (814 N•m) @ 5,000 rpm
Max. Engine Speed	6,400 rpm (fuel cutoff)
Fuel Requirement	Unleaded premium — 91 Octane (R+M)/2
Oil Capacity (with Filters), qt. (liter)	11 (10.4)
Coolant Capacity, qt. (liter)	16 (15)
Emission Controls	Four three-way catalytic converters, heated oxygen sensors, engine internal features ^(a)



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EPA Fuel Economy (city/hwy)	TBD
(a) Meets Tier 2 standards in all 50 states.	

ELECTRICAL SYSTEM

Alternator	180-amp high-speed
Battery	Leak-resistant, maintenance-free, 600 CCA

TRANSMISSION: MANUAL SIX-SPEED OVERDRIVE

Description	Synchronized in all gears, electronic 1-4 skip-shift and reverse lockout mechanisms
Gear Ratios	
1 st	2.26
2 nd	1.58
3 rd	1.19
4 th	1.00
5 th	0.77
6 th	0.63
Axle Ratio	3.55
Overall Top-gear	2.24

FINAL DRIVE

Description	Frame-mounted hypoid bevel gear with GKN ViscoLok speed-sensing limited-slip differential; 3.55:1
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SUSPENSION

Type	Four-wheel independent with high-performance aluminum control arms and knuckles and lightweight coil-over shock absorbers. Two-mode, driver selectable Bilstein DampTronic shock absorbers on GTS model
Front	Cast-aluminum unequal-length upper and lower "A" arms, coil springs, low-pressure gas-charged shock absorbers, stabilizer bar
Rear	Cast-aluminum unequal-length upper and lower "A" arms, toe-control links, coil springs, low-pressure gas-charged shock absorbers, stabilizer bar

STEERING

Type	Power-assisted rack-and-pinion
Overall Ratio	16.7:1
Turning Diameter (curb-to-curb), ft. (m)	40.5 (12.34)
Steering Turns (lock-to-lock)	2.4



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BRAKES

Front	Standard
Size and Type	14.0 x 1.26 (355.6 x 32.0) vented disc, with Brembo 44/40 opposing piston calipers
Rear	Standard
Size and Type	14.0 x 1.26 (355.6 x 32.0) vented disc, with Brembo 42/38 dual opposing calipers
Power-assist Type	Tandem diaphragm vacuum with zero lost travel
Front	Available – SRT Track Package
Size and Type	14.0 x 1.26 (355.0 x 32.0) vented disc, with Brembo 44/40 opposing piston calipers; curved fin vented StopTech two-piece slotted rotors
Rear	Available – SRT Track Package
Size and Type	14.0 x 1.26 (355.0 x 32.0) vented disc, with Brembo 42/38 dual opposing calipers; curved fin vented StopTech two-piece slotted rotors
Power-assist Type	Tandem diaphragm vacuum with zero lost travel

STABILITY CONTROL / TRACTION CONTROL

Viper: 2-mode with launch control (Full-on, Full-off)
Viper GTS: 4-mode with launch control (Full-on, Sport, Track, Full-off)

LAUNCH CONTROL

Engine only controlled wheel slip with control button on steering wheel
(Available in all models)

DIMENSIONS AND CAPACITIES

Wheelbase	98.8 (2,510)
Track, Front	62.9 (1,598)
Track, Rear	61.0 (1,550)
Overall Length	175.7 (4,463)
Overall Width	76.4 (1,941)
Overall Height	49.1 (1,246)
Ground Clearance	5.0 (127)
Approach angle, degrees	10.73
Departure angle, degrees	16.15
Curb Weight, lb. (kg)	3,354 (1,521.4) – Viper model 3,297 (1,495.5) – Viper model with SRT Track Package 3,431 (1,556.3) – Viper GTS model 3,374 (1,530.4) – Viper GTS model with SRT Track Package
Dry Weight, lb. (kg)	3,200 (1,451.5) – Viper model 3,143 (1,425.7) – Viper model with SRT Track Package 3,277 (1,486.4) – Viper GTS model 3,220 (1,460.6) – Viper GTS model with SRT Track Package
Weight Distribution, percent F/R	49.6/50.4



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Drag Coefficient, Cd	0.369
Fuel-Tank Capacity, gal. (L)	16.0 (70)

ACCOMMODATIONS

Seating Capacity	2
Head Room	36.62 (930.2)
Leg Room	42.72 (1,085.2)
Shoulder Room	53.07 (1,347.9)
Cargo space, cu. ft.	14.65
Seat Travel	7.87 (200): fore/aft 1.57 (40): up/down
Seat back recliner range, degrees	30

TIRES

Front	Standard
Size and Type	295/30ZR18
Manufacturer and Model	Pirelli P Zero with low-pressure sensors in valve stems
Revs per Mile (rpm)	835
Rear	Standard
Size and Type	P355/30ZR19
Manufacturer and Model	Pirelli P Zero with low-pressure sensors in valve stems
Revs per Mile (rpm)	764
Front	Available – SRT Track Package
Size and Type	295/30ZR18
Manufacturer and Model	Pirelli P Zero Corsa with low-pressure sensors in valve stems
Revs per Mile (rpm)	835
Rear	Available – SRT Track Package
Size and Type	P355/30ZR19
Manufacturer and Model	Pirelli P Zero Corsa with low-pressure sensors in valve stems
Revs per Mile (rpm)	764

WHEELS

Type and Material	Forged aluminum
Size	18.0 x 10.5 — front, 19.0 x 13.0 — rear

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