

2015 Dodge Viper SRT 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, Michigan
EPA Vehicle Class	Two-seater
Introduction Date	Third quarter 2014 as 2015 model

BODY/CHASSIS

Layout	Longitudinal mid-front engine, rear-wheel drive (RWD)
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	Overhead valve, variable-valve timing (VVT), 20 valves, roller-type hydraulic lifters
Fuel Injection	Sequential, multiport, 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)	645 bhp (481 kW) @ 6,200 rpm (77 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)	11 qt. (10.4 liter)
Coolant Capacity	16 qt. (15 liter)
Emission Controls	Four three-way catalytic converters, heated oxygen sensors, engine internal features ^(a)

EPA Fuel Economy (city/hwy)	12/20
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(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
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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 (Viper); 0.50 (GT and GTS)
Axle Ratio	3.55
Overall Top-gear	2.24 (Viper); 1.78 (GT and GTS)

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	All models: four-wheel independent with high-performance aluminum control arms and knuckles and lightweight coil-over shock absorbers GT/GTS model: two-mode, driver selectable Bilstein DampTronic shock absorbers TA 2.0 model: unique two-mode, driver selectable Bilstein DampTronic shock absorbers and springs
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

	Viper	SRT TA 2.0	GT and GTS
X-brace Weight (lbs.)	6	3.1	6
Spring Rates (lb./in.)			
Front	200	240	220
Rear	500	600	550
Sway Bar Weight (lbs.)			
Front	10	17	10
Rear	10	17	10
Sway Bar Stiffness (N/MM)			
Front	50.9	68.9	50.9
Rear	35.4	46.5	35.4
Alignment (deg.)			
Camber: front	-1.4	-2.5	-1.4
Camber: rear	-1.15	-1.5	-1.15
Caster: front	6.6	6.3	6.6
Caster: rear	0.7	0.7	0.7
Total toe: front	0.14	0.14	0.14
Total toe: rear	0.24	0.24	0.24

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

BRAKES

Front	Standard on Viper and GT
Size and Type	14.0 x 1.26 (355.6 x 32.0) vented disc, with Brembo 44/40 opposing piston calipers
Rear	Standard on Viper and GT
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	Standard on GTS
Size and Type	14.0 x 1.26 (355.0 x 32.0) curved fin vented StopTech two-piece slotted rotors with Brembo 44/40 opposing piston calipers

Rear	Standard on GTS
Size and Type	14.0 x 1.26 (355.0 x 32.0) curved fin vented StopTech two-piece slotted rotors with Brembo 42/38 dual opposing calipers
Power-assist Type	Tandem diaphragm vacuum with zero lost travel
Front	Available – TA 2.0 Special Edition Package
Size and Type	14.0 x 1.26 (355.0 x 32.0) unique Brembo slotted, vented high thermal capacity two-piece wide annulus rotors and pads with Brembo 44/40 opposing piston anodized calipers with orange Viper logo
Rear	Available – TA 2.0 Special Edition Package
Size and Type	14.0 x 1.26 (355.0 x 32.0) unique Brembo slotted, vented high thermal capacity two-piece wide annulus rotors and pads with Brembo 42/38 dual opposing anodized calipers with orange Viper logo
Power-assist Type	Revised with new high response booster; tandem diaphragm vacuum with zero lost travel

	Viper and GT	SRT TA 2.0	GTS
Rotor OD (mm)	355	355	355
Rub Surface ID (mm)	245	226	245
Width (mm)	32	32	32
Swept Area per Rotor (cm ²)	1,036	1,176	1,036
Rotor Weight (lbs.)	26	22.6	18

Stability Control/Traction Control	Viper: three-mode with launch control (Full-on, Rain and Full-off) GT/GTS: five-mode with launch control (Full-on, Sport, Track, Rain and Full-off) (included in TA 2.0 Special Edition Package with unique tuning)
Launch Control	Engine only controlled wheel slip with control button on steering wheel (standard 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)	3,390 (1,537) – Viper model
	3,366 (1,526) – Viper model with lightweight Sidewinder II wheels
	3,390 (1,537) – Viper with TA 2.0 Special Edition Package
	3,415 (1,549) – Viper GTS model
	3,399 (1,541) – Viper GTS model with lightweight Sidewinder II wheels
Weight Distribution, percent F/R	49.6/50.4
Drag Coefficient, Cd	0.369
Fuel-Tank Capacity, gal. (liter)	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	P295/30ZR18
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 — must have optional lightweight Sidewinder II wheels (standard with TA Special Edition Package)
Size and Type	P295/30ZR18
Manufacturer and Model	Pirelli P Zero Corsa with low-pressure sensors in valve stems
Revs per Mile (rpm)	835

Rear	Available — must have optional lightweight Sidewinder II wheels (standard with TA 2.0 Special Edition 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	
Front	18.0 x 10.5
Rear	19.0 x 13.0
Styles	<p>Five-spoke “Rattler” polished aluminum (standard on Viper and GT; optional on GTS)</p> <p>Five-spoke “Rattler” painted aluminum – Hyper Black finish (optional on Viper, GT and GTS)</p> <p>Five-spoke “Rattler” painted aluminum – Matte Black finish (optional on Viper, GT and GTS)</p> <p>Split-six spoke “Venom” polished face aluminum – Hyper Black painted pockets (standard on GTS)</p> <p>Split-six spoke “Venom” painted aluminum – Hyper Black finish (optional on GTS)</p> <p>Split-six spoke “Venom” painted aluminum – Matte Black (optional on GTS)</p> <p>Multi-spoke ultra-lightweight “Sidewinder II” – Hyper Black finish (optional on Viper, GT and GTS)</p> <p>Multi-spoke ultra-lightweight “Sidewinder II” – Matte Black finish (standard on TA 2.0 Special Edition Package; optional on Viper, GT and GTS)</p>

