

2015 Dodge Viper SRT

CANADIAN SPECIFICATIONS

Specifications are based on the latest product information available at the time of publication.

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

All dimensions measured at curb weight with standard tires and wheels.

GENERAL INFORMATION

Vehicle Type	Coupe
Assembly Plant	Detroit, Mich., (U.S.A.)
EnerGuide 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 fibre clamshell hood, roof, and liftgate assemblies. Aluminum doors and sills. RIM quarter panels and fascias.

ENGINE: 8.4-LITRE V10

Type and Description	10-cylinder, 90-degree V-type, liquid-cooled
Displacement	8,390 cu. cm (512 cu. in.)
Bore x Stroke	103 x 100.6 (4.055 x 3.96)
Flywheel	Low-inertia aluminum with steel wear surface
Intake	Three-piece shell moulded, 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	645 bhp @ 6,200 rpm (77 bhp/litre)
Torque	600 lb.-ft. @ 5,000 rpm
Max. Engine Speed	6,400 rpm (fuel cutoff)
Fuel Requirement	Unleaded premium — 91 octane (R+M)/2
Oil Capacity (with Filters)	10.4 litres (11 qt.)
Coolant Capacity	15 litres (16 qt.)

Emission Controls	Four three-way catalytic converters, heated oxygen sensors, engine internal features
EnerGuide Fuel Economy L/100km (mpg), City/Hwy*	20 (14) / 13 (22)
*Based on 2014 EnerGuide fuel consumption ratings 5-cycle test method used	

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 (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



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	Viper	SRT TA 2.0	GT and GTS
X-brace Weight kg (lb.)	2.7 (6)	1.4 (3.1)	2.7 (6)
Spring Rates (lb./in.)			
Front	200	240	220
Rear	500	600	550
Sway Bar Weight kg (lb.)			
Front	4.5 (10)	7.7 (17)	4.5 (10)
Rear	4.5 (10)	7.7 (17)	4.5 (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)	12.34 m (40.5 ft.)
Steering Turns (lock-to-lock)	2.4

BRAKES

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



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Rear	Standard on GTS
Size and Type	355.0 x 32.0 (14.0 x 1.26) 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	355.0 x 32.0 (14.0 x 1.26) 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	355.0 x 32.0 (14.0 x 1.26) 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 (lb.)	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

mm (in.) unless otherwise noted

Wheelbase	2,510 (98.8)
Track, Front	1,598 (62.9)
Track, Rear	1,550 (61.0)
Overall Length	4,463 (175.7)
Overall Width	1,941 (76.4)
Overall Height	1,246 (49.1)
Ground Clearance	127 (5.0)
Approach angle, degrees	10.73



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Departure angle, degrees	16.15
Curb Weight	1,537 kg (3,390 lb.) – Viper model
	1,526 kg (3,366 lb.) – Viper model with lightweight Sidewinder II wheels
	1,537 kg (3,390 lb.) – Viper with TA 2.0 Special Edition Package
	1,549 kg (3,415 lb.) – Viper GTS model
	1,541 kg (3,399 lb.) – Viper GTS model with lightweight Sidewinder II wheels
Weight Distribution, per cent F/R	49.6/50.4
Drag Coefficient, Cd	0.369
Fuel-Tank Capacity	70 litres (15.4 gal.)

ACCOMMODATIONS

mm (in.) unless otherwise noted

Seating Capacity	2
Head Room	930 (36.62)
Leg Room	1,085 (42.72)
Shoulder Room	1,348 (53.07)
Cargo space	414.8 litres (14.65 cu. ft.)
Seat Travel	200 (7.87): fore/aft
	40 (1.57): 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 km (mile)	1,344 (835)
Rear	Standard
Size and Type	P355/30ZR19
Manufacturer and Model	Pirelli P Zero with low-pressure sensors in valve stems
Revs per km (mile)	1,230 (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 km (mile)	1,344 (835)



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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 km (mile)	1,230 (764)

WHEELS (in.)

Type and Material	Forged aluminum
Size	
Front	18.0 x 10.5
Rear	19.0 x 13.0
Styles	Five-spoke “Rattler” polished aluminum (standard on Viper and GT; optional on GTS)
	Five-spoke “Rattler” painted aluminum – Hyper Black finish (optional on Viper, GT and GTS)
	Five-spoke “Rattler” painted aluminum – Matte Black finish (optional on Viper, GT and GTS)
	Split-six spoke “Venom” polished face aluminum – Hyper Black painted pockets (standard on GTS)
	Split-six spoke “Venom” painted aluminum – Hyper Black finish (optional on GTS)
	Split-six spoke “Venom” painted aluminum – Matte Black (optional on GTS)
	Multi-spoke ultra-lightweight “Sidewinder II” – Hyper Black finish (optional on Viper, GT and GTS)
	Multi-spoke ultra-lightweight “Sidewinder II” – Matte Black finish (standard on TA 2.0 Special Edition Package; optional on Viper, GT and GTS)

