

## 2016 Dodge Viper 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, Michigan (U.S.A.)
EnerGuide Vehicle Class	Two-seater

### BODY AND 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
2015 EnerGuide Fuel Economy L/100km (mpg) city/hwy	19.2 (15) / 11.3 (25)

**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
<b>Gear Ratios</b>	
1 <sup>st</sup>	2.26
2 <sup>nd</sup>	1.58
3 <sup>rd</sup>	1.19
4 <sup>th</sup>	1.00
5 <sup>th</sup>	0.77
6 <sup>th</sup>	0.63 (SRT); 0.50 (GT, GTC, GTS and ACR)
Axle Ratio	3.55
Overall Top-gear	2.24 (SRT); 1.78 (GT, GTC, GTS and ACR)

**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 GTC and GTS models: two-mode, driver selectable Bilstein DampTronic shock absorbers TA 2.0 model: unique two-mode, driver selectable Bilstein DampTronic shock absorbers and springs ACR model: 10-setting, double-adjustable, coil-over Bilstein racing shocks with unique spring rates
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

	SRT	GT, GTC and GTS	TA 2.0	ACR
X-brace Weight kg (lb.)	2.7 (6)	2.7 (6)	1.4 (3.1)	2.7 (6) [1.4 (3.1) optional carbon]
Spring Rates (lb./in.)				
Front	200	220	240	600
Rear	500	550	600	1300
Sway Bar Weight				
Front	4.5 kg (10 lb.)	4.5 kg (10 lb.)	7.7 kg (17 lb.)	7.7 kg (17 lb.)
Rear	4.5 kg (10 lb.)	4.5 kg (10 lb.)	7.7 kg (17 lb.)	7.7 kg (17 lb.)
Sway Bar Stiffness (N/MM)				
Front	50.9	50.9	68.9	68.9
Rear	35.4	35.4	46.5	46.5
Alignment (deg.)				
Camber: front	-1.4	-1.4	-2.5	-2.8
Camber: rear	-1.15	-1.15	-1.5	-1.7
Caster: front	6.6	6.6	6.3	6.0
Caster: rear	0.7	0.7	0.7	0.7
Total toe: front	0.14	0.14	0.14	0.14
Total toe: rear	0.24	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 — SRT
Size and Type	355.6 x 32.0 (14.0 x 1.26) vented disc, with Brembo 44/40 opposing piston calipers
Rear	Standard — SRT 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 — GTS and GT
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
Rear	Standard — 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 and with optional ACR Package on GTC models
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

Front	Standard — ACR Available on GTC (must have ACR Package)
Size and Type	390 x 34 (15.4 x 1.3) Brembo Carbon Ceramic Matrix with Brembo 6 piston calipers
Rear	Standard — ACR
Size and Type	360 x 32 (14.2 x 1.25) Brembo Carbon Ceramic Matrix with Brembo 4 piston calipers
Power-assist Type	Revised with new high response booster (same as TA); tandem diaphragm vacuum with zero lost travel

	SRT and GT	GTS	TA 2.0	ACR
Rotor OD (mm)	355	355	355	390
Rub Surface ID (mm)	245	245	226	226
Width (mm)	32	32	32	34
Swept Area per Rotor (cm <sup>2</sup> )	1,036	1,036	1,176	1,587
Rotor Weight (lb.)	26	18	22.6	13.4
Stability Control/Traction Control	SRT: three-mode with launch control (Full-on, Rain and Full-off) GT and GTS: five-mode with launch control (Full-on, Sport, Track, Rain and Full-off) (included in TA 2.0 Special Edition Package and ACR 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	12.7 base, 9.0 ACR Extreme Aero
Departure angle, degrees	16.2 base, 12.9 ACR Extreme Aero
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
	1,539 kg (3,392 lb.) – Viper ACR model with Extreme Aero
Weight Distribution, per cent F/R	49.6/50.4
Drag Coefficient, Cd	0.369 base, 0.433 TA 1.0 and TA 2.0, 0.547 ACR Extreme
Fuel Tank Capacity	70 litres (14.4 gal.)

**ACCOMMODATIONS**  
mm (in.) unless otherwise noted

Seating Capacity	2
Head Room	930 (36.6)
Leg Room	1,085 (42.7)
Shoulder Room	1,348 (53.1)
Cargo space	414.8 litres (14.7 cu. ft.)
Seat Travel	200 (7.9) : fore/aft
	40 (1.6) : 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)	515 (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)	471 (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)	515 (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 km (mile)	471 (764)
Front	Standard on ACR
Size and Type	295/25R19
Manufacturer and Model	Kumho Ecsta V720 with low-pressure sensors in valve stems
Revs per km (mile)	508 (824)
Rear	Standard on ACR
Size and Type	355/30R19
Manufacturer and Model	Kumho Ecsta V720 with low-pressure sensors in valve stems
Revs per km (mile)	458 (743)

**WHEELS (in.)**

Type and Material	Forged aluminum
Size	
Front	18.0 x 10.5 base, 19.0 x 11.0 ACR
Rear	19.0 x 13.0
Styles	Five-spoke "Rattler" polished aluminum (standard on SRT, GT, and GTC; optional on GTS)
	Five-spoke "Rattler" painted aluminum – Hyper Black finish (optional on SRT, GT and GTS)
	Five-spoke "Rattler" painted aluminum – Matte Black finish (optional on SRT, GT and GTS)
	Five-spoke "Rattler" painted aluminum – Black Vapor Chrome finish (optional on GT, GTC and GTS)
	Split-six spoke "Venom" polished face aluminum – (optional on GT and GTC, standard on GTS)
	Split-six spoke "Venom" painted aluminum – Hyper Black finish (optional on SRT, GT, GTC and GTS)
	Split-six spoke "Venom" painted aluminum – Matte Black (optional on SRT, GT, GTC and GTS)
	Multi-spoke ultra-lightweight "Sidewinder II" – Hyper Black finish (optional on SRT, GT and GTS)
	Multi-spoke ultra-lightweight "Sidewinder II" – Matte Black finish (optional on SRT, GT and GTS)
	ACR painted forged aluminum – Gloss Black finish (standard on ACR)
	ACR painted forged aluminum – Brass Monkey finish (optional on ACR)

