



FCA CANADA
2017 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	Conner Avenue, Detroit, Michigan, USA
EPA Vehicle Class	Two-seater
Introduction Date	Third quarter 2016 as 2017 model

BODY AND 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-LITRE V10

Type and Description	10-cylinder, 90-degree V-type, liquid-cooled
Displacement, litre (cu.in.)	512 (8.4)
Bore x Stroke	103 x 100.6 (4.055 x 3.96)
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/litre)
Torque (SAE net)	600 lb-ff (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)	10.4 litres (11 quarts)
Coolant Capacity	15 litres (16 quarts)
Emission Controls	Four three-way catalytic converters, heated oxygen sensors, engine internal features



EnerGuide (2016) Fuel Consumption 19.2 (15) / 11.3 (25)
Ratings L/100 km (MPG – imperial
gallon) city/hwy

Based on 2016 EnerGuide fuel consumption ratings. Government of Canada test methods used. Your actual fuel consumption will vary based on driving habits and other factors. For EnerGuide information, please visit the Government of Canada website: www.vehicles.nrcan.gc.ca

ELECTRICAL SYSTEM

Alternator	180-amp high-speed
Battery	Leak-resistant, maintenance-free, 590 CCA (Standard) Lightweight, leak-resistant, maintenance-free, 520 CCA (ACR)

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	0.50
Axle Ratio	3.55
Overall Top-gear	1.78

FINAL DRIVE

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

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



	GTC and GTS	TA 1.0 / TA 2.0	ACR
X-brace Weight kg (lb)	2.7 (6.0) (1.4 (3.1) optional carbon GTC only)	1.4 (3.1)	2.7 (6.0) (1.4 (3.1) optional carbon)
Spring Rates (lb/in)			
Front	220	240	600
Rear	550	600	1300
Sway Bar Weight kg (lb)			
Front	4.5 (10)	7.7 (17)	7.7 (17)
Rear	4.5 (10)	7.7 (17)	7.7 (17)
Sway Bar Stiffness (N/MM)			
Front	50.9	68.9	68.9
Rear	35.4	46.5	46.5
Alignment (deg.)			
Camber: front	-1.4	-2.5	-2.8
Camber: rear	-1.15	-1.5	-1.7
Caster: front	6.6	6.3	6.0
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), m (ft)	12.34 (40.5)
Steering Turns (lock-to-lock)	2.4

BRAKES

Front	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 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 1.0 and 2.0, 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 1.0 and 2.0, 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 42/38 dual opposing anodized calipers with orange Viper logo
Power-assist Type	Booster with revised response; tandem diaphragm vacuum with zero lost travel

Front	Standard — ACR Available on GTC (must have ACR Package)
Size and Type	390.0 x 34.0 (15.4 x 1.3) Brembo Carbon Ceramic Matrix with Brembo 6 piston calipers
Rear	Standard — ACR
Size and Type	360.0 x 32.0 (14.2 x 1.25) Brembo Carbon Ceramic Matrix with Brembo 4 piston calipers
Power-assist Type	Booster with revised response (same as TA); tandem diaphragm vacuum with zero lost travel

	GTS	TA 1.0 / TA 2.0	ACR
Rotor OD (mm)	355	355	390
Rub Surface ID (mm)	245	226	226
Width (mm)	32	32	34
Swept Area per Rotor (cm ²)	1,036	1,176	1,587
Rotor Weight kg (lb)	8.1 (18)	10.2 (22.6)	6.0 (13.4)

Stability Control/Traction Control	GTS: five-mode with launch control (Full-on, Sport, Track, Rain and Full-off) (included in TA 1.0 and 2.0 - 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

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, kg (lb)	1,549 (3,415) – Viper GTS model
	1,541 (3,399) – Viper GTS model with lightweight Sidewinder II wheels
	1,539 (3,392) – Viper ACR model with Extreme Aero
	1,549 (3,415) – Viper GTS model
Weight Distribution, percent F/R	49.6/50.4
Drag Coefficient, Cd	0.369 GTS, 0.433 TA 1.0 and TA 2.0, 0.544 ACR, 0.541 ACR Extreme
Fuel-Tank Capacity, litres (imperial gallons)	61 (13.4)

ACCOMMODATIONS

Seating Capacity	2
Head Room	930.2 (36.62)
Leg Room	1,085.2 (42.72)
Shoulder Room	1,347.9 (53.07)
Cargo space, cu. ft.	14.65
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 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 1.0 and 2.0)
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 1.0 and 2.0)
Size and Type	P355/30ZR19
Manufacturer and Model	Pirelli P Zero Corsa with low-pressure sensors in valve stems
Revs per Mile (rpm)	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 Mile (rpm)	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 Mile (rpm)	743

WHEELS

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 GTC; optional on GTS)
	Five-spoke “Rattler” painted aluminum – Hyper Black finish (optional on GTS)
	Five-spoke “Rattler” painted aluminum – Matte Black finish (optional on GTS)
	Five-spoke “Rattler” painted aluminum – Black Vapor Chrome finish (optional on GTC and GTS)
	Split-six spoke “Venom” polished face aluminum – (optional on GTC, standard on GTS)
	Split-six spoke “Venom” painted aluminum – Hyper Black finish (optional on GTC and GTS)
	Split-six spoke “Venom” painted aluminum – Matte Black (optional on GTC and GTS)
	Multi-spoke ultra-lightweight “Sidewinder II” – Hyper Black finish (optional on GTS)
	Multi-spoke ultra-lightweight “Sidewinder II” – Matte Black finish (optional on GTS)
	ACR painted forged aluminum – Gloss Black finish (standard on ACR)
	ACR painted forged aluminum – Brass Monkey finish (optional on ACR)

