

2016 Dodge Viper

SPECIFICATIONS

*Specifications are based on the latest product information available at the time of publication.
All dimensions are in inches (millimeters) unless otherwise noted.
All dimensions measured at curb weight with standard tires and wheels.*

GENERAL INFORMATION

Vehicle Type	Coupe
Assembly Plant	Conner Avenue Assembly Plant, Detroit, Michigan
EPA Vehicle Class	Two-seater
Introduction Date	Third quarter 2015 as 2016 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-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 quarts (10.4 liters)

Coolant Capacity	16 quarts (15 liters)
Emission Controls	Four three-way catalytic converters, heated oxygen sensors, engine internal features ^(a)
EPA Fuel Economy (city/hwy)	12/21

(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 (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
	GT, GTC and GTS models: two-mode, driver selectable Bilstein DampTronic shock absorbers
	TA 1.0 and TA 2.0: 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 1.0 and TA 2.0	ACR
X-brace Weight (lbs.)	6	6	3.1	6 (3.1 optional carbon)
Spring Rates (lb./in.)				
Front	200	220	240	600
Rear	500	550	600	1300
Sway Bar Weight (lbs.)				
Front	10	10	17	17
Rear	10	10	17	17
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), ft. (m)	40.5 (12.34)
Steering Turns (lock-to-lock)	2.4

BRAKES

Front	Standard — SRT
Size and Type	14.0 x 1.26 (355.6 x 32.0) vented disc, with Brembo 44/40 opposing piston calipers
Rear	Standard — SRT
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 — GT, GTC and 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 — GT, GTC and 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 1.0 and TA 2.0, with optional ACR Package on GTC models
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 1.0 and TA 2.0
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
Front	Standard — ACR Available on GTC (must have ACR Package)
Size and Type	15.4 x 1.3 (390 x 34) Brembo Carbon Ceramic Matrix with Brembo 6 piston calipers
Rear	Standard — ACR Available on GTC (must have ACR Package)
Size and Type	14.2 x 1.25 (360 x 32) 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	GT, GTC and GTS	TA 1.0 and 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 ²)	1,036	1,036	1,176	1,587
Rotor Weight (lbs.)	26	18	22.6	13.4
Stability Control/ Traction Control	SRT: three-mode with launch control (Full-on, Rain and Full-off)			
	GT, GTC, GTS and ACR: five-mode with launch control (Full-on, Sport, Track, Rain and Full-off) (included in TA 1.0, TA 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	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	12.7 base, 9.0 ACR Extreme Aero
Departure angle, degrees	16.2 base, 12.9 ACR Extreme Aero
Curb Weight, lb. (kg)	3,378 (1,536) – Viper SRT model
	3,366 (1,526) – Viper SRT model with lightweight Sidewinder II wheels
	3,390 (1,538) – Viper SRT with TA 1.0
	3,403 (1,543) – Viper SRT with TA 2.0
	3,415 (1,549) – Viper GTS model
	3,374 (1,530) – Viper ACR model
	3,392 (1,539) – Viper ACR model with Extreme Aero
Weight Distribution, percent F/R	49.6/50.4
Drag Coefficient, Cd	0.369 base, 0.433 TA 1.0 and TA 2.0, 0.544 ACR, 0.541 ACR with Extreme Aero
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 – SRT, GT, GTC and GTS
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 – SRT, GT, GTC and GTS
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, GT, GTC and GTS
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 – SRT, GT, GTC and GTS
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 Available on GTC
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
	Available on GTC
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 SRT, GT, and GTC; optional on GTS)
	Five-spoke "Rattler" painted aluminum – Hyper Black finish (optional on SRT, GT, GTC and GTS)
	Five-spoke "Rattler" painted aluminum – Matte Black finish (optional on SRT, GT, GTC and 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 GT, GTC and GTS)
	Split-six spoke "Venom" painted aluminum – Matte Black (optional on GT, GTC and GTS)
	Multi-spoke ultra-lightweight "Sidewinder II" – Hyper Black finish (optional on SRT, GT, GTC and GTS)
	Multi-spoke ultra-lightweight "Sidewinder II" – Matte Black finish (optional on SRT, GT, GTC and GTS)
	ACR painted forged aluminum – Gloss Black finish (standard on ACR, optional on GTC)
	ACR painted forged aluminum – Brass Monkey finish (optional on ACR and GTC)