



2019 VELOSTER Specifications

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ENGINE

2.0

Type	Nu 2.0 MPI Atkinson cycle 4-cylinder, DOHC Dual Continuously Variable Valve Timing (D-CVVT)
Materials	Aluminum block and head
Bore & stroke (mm)	81 X 97
Compression ratio	12.5:1
Displacement	2.0 liters / 1,999 cc
Horsepower	147 @ 6,200 rpm (est.)
Torque (lb-ft)	132 @ 4,500 rpm (est.)
Valves per cylinder	4
Intake system	VIS (2-Step Variable)

Turbo/R-Spec

Type	Gamma 1.6 Turbo GDI 4-cylinder , DOHC
Materials	Aluminum block and head
Bore & stroke	77 X 85.4
Compression ratio	10.0:1
Displacement	1.6 liters / 1591 cc
Horsepower	201 @ 6,000 rpm (est.)
Torque (lb-ft)	195 @ 1,500~4,500 rpm (est.)
Valves per cylinder	4
Intake system	TIS

TRANSMISSION	2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Drive Type	FWD				

Transmission Type	6-speed manual	S	-	S	-	S
	6-speed Automatic Transmission, paddle shifters	O	S	-	-	-
	7-speed EcoShift Dual Clutch Transmission, paddle shifters	-	-	-	S	O
Drive Mode Select		S	S	S	S	S
Gear Ratios (MT/AT)		2.0L		1.6T		
First		3.308 / 4.400		3.308 / 3.643		
Second		1.962 / 2.726		1.962 / 2.174		
Third		1.294 / 1.834		1.294 / 1.826		
Fourth		0.976 / 1.392		0.976 / 1.024		
Fifth		0.778 / 1.000		0.778 / 0.809		
Sixth		0.633 / 0.774		0.633 / 0.854		
Seventh		- / -		- / 0.717		
Reverse		3.583 / 3.440		3.583 / 4.696		
Final		4.467 / 3.437		MT: 4.467 DCT: 4.643 (1/2/4/5) 3.611 (3/6/7/R)		
SUSPENSION		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Front	Type	MacPherson strut with coil springs, gas filled hydraulic twin-tube shock absorber				
	Stabalizer Bar	23 mm		24 mm		
Rear	Type	Multi-link with Hydraulic twin-tube gas-filled shock absorber				
	Stabalizer	15 mm		19 mm		

		Bar				
STEERING		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Type		Motor Driven Power Steering (MDPS) Rack and pinion steering, column-mounted				
Overall Ratio		13.4:1				
Turns, lock to lock		2.57				
Minimum Turning Radius (m)		5.3				
BRAKES/TIRES/WHEELS		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Front		11" x 0.9" ventilated disc		12" x 1.0 Ventilated disc		
Rear		10.3" x 0.4" solid disc				
ABS w/ Electronic Force Distribution		S				
Tires	215/45R17	S	-	-	-	-
	225/40R18	-	S	-	S	S (DCT)
	225/40R18 Michelin PS4 Summer Performance	-	-	S	-	S (MT)
Wheels	17 x 7.0J Alloy	S	-	-	-	-
	18 X 7.5J Alloy	-	S	-	-	-
	18 X 7.5J Alloy (B-type)	-	-	S	-	-
	18 x 7.5J Alloy (C-type)	-	-	-	S	S
EXTERIOR DIMENSIONS (in)		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Wheelbase		104.3				
Overall length		166.9				
Overall width (excludes mirrors)		70.9				



Overall height		55.1				
INTERIOR DIMENSIONS (in)		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Head room (w/o sunroof)						
Front		38.1				
Rear		35.9				
Head room (w/ wide sunroof)						
Front		36.9				
Rear		35.9				
Leg room						
Front		42.6				
Rear		34.1				
Shoulder room						
Front		56.0				
Rear		54.3				
Hip room						
Front		54.1				
Rear		46.5				
WEIGHTS		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Curb Weight	MT	2,701-2,822		2,833-2,921	-	2,833-2,921
	AT	2,734-2,855		-		-
	DCT	-		-	2,899-2987	
GVWR	MT	3,748		3,814	-	3,814
	AT	3,748		-		-
	DCT	-		-		3,858
CAPACITIES		2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
Fuel		13.2 gallons				
VOLUME (cubic ft)		2.0	2.0	R-Spec	Turbo	Turbo



		Premium			Ultimate
Passenger	89.9				
Cargo capacity	19.9				
Total interior	109.8				
FUEL ECONOMY	2.0	2.0 Premium	R-Spec	Turbo	Turbo Ultimate
City/Highway/Combined	TBD				