

2007 U.S. New GTI - 2dr

Technical Specifications



Published: 8.31.06
 Last Revised: 8.31.06

ENGINE

Type	4 cylinder, in-line, turbocharged with intercooler and direct fuel injection		
Bore	3.20 in	82.5 mm	
Stroke	3.70 in	92.8 mm	
Displacement	121.0 in3	1,984 cm3	
Compression Ratio	10.5:1		
Horsepower (SAE) @ rpm	200 @ 5,100-6,000 (147 kW @ 5,100-6,000)		
Maximum torque, lbs - ft @ rpm	207 @ 1,800-5,000 (280 Nm @ 1,800-5,000)		
Fuel Requirement	Premium unleaded (95 RON) recommended for maximum performance, (unleaded regular (91RON) as an alternative with slight reduction in performance)		
Firing Order	1-3-4-2		

ENGINE DESIGN

Arrangement	Front mounted, transverse
Cylinder Block	Cast iron
Crank Shaft	five main bearings
Cylinder Head	Aluminum alloy
Valve Train	Dual overhead camshaft, belt driven, four valves per cylinder, maintenance free hydraulic lifters
Cooling System	Water cooled, thermostatically controlled electric radiator fan
Lubrication	Gear pump, pressurized, full flow with oil cooler
Fuel / Air Supply	Fully electronic engine management with drive-by-wire throttle control, FSI®
Emissions	Underhood ceramic precatlyst with catalyst heating function via homogenous split dual injection

ELECTRICAL SYSTEM

Alternator - V/A	14/120
Battery - V/Ah	12/60
Ignition	Digital electronic with knock sensor

DRIVETRAIN

Drivetrain	Front wheel drive		
		Manual	Automatic
		GVT	
Transmission Gear Ratios:1	1st	3.36	3.46
	2nd	2.09	2.15
	3rd	1.47	1.46
	4th	1.10	1.08
	5th	1.11	1.09
	6th	0.93	0.92
	Reverse	1.64	TBD
	Final I	3.94	4.06
	Final II	3.09	3.14

CAPACITIES

Engine Oil (with filter)	4.4 qt	4.6 L	
Fuel Tank	14.5 gal	55.0 L	
Cooling System	7.6 qt	8.0 L	
Wiper Fluid	3.2 qt	3.0 L	

STEERING

Type	Rack and pinion, power assisted		
Turns (lock to lock)	3.01		
Turning Circle (curb to curb)	35.8 ft	10.9 m	

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INTERIOR VOLUME - SAE

EPA Class	Compact							
Seating Capacity	Five							
Passenger Volume	93.1	ft ³	2.6	m ³				
Cargo Volume	14.7	ft ³	0.4	m ³				
	Front				Rear			
Volume	51.3	ft ³	1.5	m ³	42.9	ft ³	1.2	m ³
Head Room	39.3	in	998	mm	38.5	in	979	mm
Shoulder Room	54.7	in	1,390	mm	54.6	in	1,386	mm
Leg Room	41.2	in	1,046	mm	35.3	in	896	mm

BODY, CHASSIS AND SUSPENSION

Type	Unitized construction, bolt-on front fenders							
Front Suspension	McPherson strut with lower wishbones, aluminium subframe, tubular anti-roll bar, track-stabilising steering roll radius							
Rear Suspension	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, tubular anti-roll bar							
Service Brakes	Power assisted, dual circuit, vented 312 x 25 mm front discs and 286 x 12 mm							
Anti Lock Braking System	Standard, all four wheels, 3-channel with electronic brake pressure distribution, Anti-Slip Regulation (ASR) and Electronic Differential Lock (EDL), Electronic Stabilization Program							
Parking Brake	Mechanical, effective on rear wheels							
Wheels/Tires	7J X 17" alloy wheels 225/45 R17 H, summer performance tires							
Drag Coefficient	.32							

DIMENSIONS

Wheelbase	101.5	in	2,578	mm				
Front Track	60.4	in	1,534	mm				
Rear Track	59.7	in	1,516	mm				
Length	165.8	in	4,210	mm				
Width	69.3	in	1,759	mm				
Height	58.4	in	1,484	mm				
Ground Clearance	5.6	in	143	mm				

WEIGHTS

	Manual				Automatic			
Curb Weight	3,100	lbs	1,406	kg	3,150	lb	1,429	kg
Payload	968	lbs	439	kg	961	lb	435	kg

FUEL CONSUMPTION

	Manual		Automatic	
City mpg	23		25	
Highway mpg	32		31	

PERFORMANCE

	Manual		Automatic	
0-60 mph	7.0	seconds	6.9	seconds
Top Speed	130	mph ¹	130	mph ¹

¹Maximum speed electronically limited to 130 mph in U.S. Obey all speed and traffic laws.

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Ground Clearance	5.6	in	143	mm				

WEIGHTS

	Manual				Automatic			
Curb Weight	3,162	lbs	1,434	kg	3,212	lb	1,457	kg
Payload	992	lbs	449	kg	986	lb	447	kg

FUEL CONSUMPTION

	Manual		Automatic	
City mpg - 2 dr	23		25	
Highway mpg - 2dr	32		31	