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NEWS BUREAU

2015 Sonata 2.4 GDI, Sonata 2.0T & Sonata 1.6T ECO

ENGINE

2.4 GDI (Theta II)

Type	DOHC D-CVVT (Dual Continuously Variable Valve Timing) 4-cylinder
Materials	Aluminum block and heads
Bore & Stroke	88.0 mm x 97.0 mm
Displacement	2.4 liters / 2,359 cc
Horsepower	185 @ 6,000 rpm
Torque	178 lb-ft @ 4,000 rpm
Valves per cylinder	4
Compression Ratio	11.3

2.0L Turbo (Theta II)

Type	DOHC D-CVVT (Dual Continuously Variable Valve Timing) 4-cylinder
Turbo Type	Twin Scroll
Materials	Aluminum block and heads
Bore & Stroke	86.0 mm x 86.0 mm
Displacement	2.0 liters / 1,998 cc
Horsepower	245 @ 6,000 rpm
Torque	260 lb-ft @ 1,350 – 4,000 rpm
Valves per cylinder	4
Compression Ratio	10.0

1.6L Turbo (Gamma)

Type	DOHC D-CVVT (Dual Continuously Variable Valve Timing) 4-cylinder
Turbo Type	Twin Scroll
Materials	Aluminum block and heads
Bore & Stroke	77.0 mm x 85.0 mm

Displacement	1.6 liters / 1,591 cc	
Horsepower	177 @5,500 hp (estimate)	
Torque	195 @ 1,500-4,500 lb-ft (estimate)	
Valves per cylinder	4	
Compression Ratio	TBD	
TRANSMISSION		
6-speed electronic automatic with OD lock-up torque converter, shift lock and SHIFTRONIC™ manual shift mode		
Gear ratios	2.4 GDI	2.0T
First	4.212	4.766
Second	2.637	2.946
Third	1.800	1.917
Fourth	1.386	1.420
Fifth	1.000	1.000
Sixth	0.772	0.772
Reverse	3.385	3.393
Final drive	2.885	2.885
7-speed EcoShift Dual Clutch Transmission (DCT) electronic controlled with dry dual clutch		
Gear ratios	1.6T	
First	3.929	
Second	2.318	
Third	2.043	
Fourth	1.070	
Fifth	0.822	
Sixth	0.884	
Seventh	0.721	
Reverse	5.304	
Final drive	4.294/3.174	
SUSPENSION		
Front	MacPherson strut with gas-charged Mando Dual Flow Damper (DFD) shock absorbers and 23-mm stabilizer bar (2.4L/1.6T)	

	MacPherson strut with gas-charged Mando Dual Flow Damper (DFD) shock absorbers and 24-mm stabilizer bar (2.0T)
Rear	Independent multi-link design with coil springs, gas-charged Mando Dual Flow Damper (DFD) shock absorbers and stabilizer bar (17-mm for 2.4L/1.6T)
	Independent multi-link design with stiffer coil springs, gas-charged Mando Dual Flow Damper (DFD) shock absorbers and stabilizer bar (18-mm for 2.0T)
STEERING	
Type	Motor-Driven Power Steering (MDPS) column-mounted, Rack-and-Pinion, Engine-RPM-Sensing (2.0T is dual-pinion rack-mounted design)
Overall Ratio	14.3:1
Turns, lock to lock	2.78
Turning circle, curb to curb	35.8 ft.
BRAKES/TIRES/WHEELS	
Front	Dual diagonal, split circuit, power-assisted 12.0-in. ventilated disc with pressure proportioning valves (2.4L/1.6T)
	Dual diagonal, split circuit, power-assisted 12.6-in. ventilated disc with pressure proportioning valves (2.0T, Optional on Limited 2.4L)
Rear	Dual diagonal, split circuit, power-assisted 11.2-in. solid disc with pressure proportioning valves
ABS	4-wheel, 4-channel and 4-sensor with Electronic Brake-force Distribution (EBD) and ESC
Tires	P205/65R16 (SE/Eco) P215/55R17 (Sport/Limited) P235/45R18 (Sport 2.0T) T125/80D16 (Compact temporary use spare tire) Tire Mending Kit (SE/Eco)
Wheels	16 x 6.5-in. alloy wheel (SE/Eco) 17 x 7.0-in. alloy wheel (Sport/Limited) 18 x 7.5-in. Hyper Silver alloy wheel (Sport 2.0T)
EXTERIOR DIMENSIONS	
Wheelbase	110.4 in.

Overall length	191.1 in.
Overall width	73.4 in.
Overall height	58.1 in.
Tread width (front/rear)	
16-in. wheels	63.5 in. / 63.8 in.
17-in. wheels	63.1 in. / 63.3 in.
18-in. wheels	62.9 in. / 63.1 in.
Coefficient of drag	0.27
Minimum ground clearance	5.3 in.
INTERIOR DIMENSIONS	
Head room	
Front	40.4 in.
Rear	38.0 in.
Leg room	
Front	45.5 in.
Rear	35.6 in.
Shoulder room	
Front	57.9 in.
Rear	56.5 in.
Hip room	
Front	55.3 in.
Rear	56.1 in.
EPA passenger volume	106.1 cu.ft.
EPA cargo volume	16.3 cu. ft.
EPA total volume	122.4 cu.ft.
CAPACITIES	
Fuel	18.5 gallons
CURB WEIGHT	
2.4 GDI	3,252 – 3,466 lbs
2.0L Turbo	3,505 – 3,616 lbs
1.6T Eco	3,270 – 3,298 lbs

FUEL ECONOMY	City	Highway	Combined
2.4 GDI (SE)	25 MPG	37 MPG	29 MPG
2.4 GDI (Sport & Limited)	24 MPG	35 MPG	28 MPG
2.0L Turbo	23 MPG	32 MPG	26 MPG
1.6T Eco (estimate)	28 MPG	38 MPG	32 MPG
TOWING CAPACITY			
Maximum towing capacity		Not Recommended	