

For release: Aug. 1, 2006

2007 PONTIAC SOLSTICE

New for 2007

- New GXP model featuring Ecotec 2.0L Direct Injection Turbo with Variable Valve Timing DOHC 4-cylinder aluminum engine with 260 hp and 260 lb-ft of torque**, 4-wheel independent sport-tuned suspension, StabiliTrak vehicle enhancement system, P245/45R18-96W blackwall performance tires, high-polished stainless-steel dual exhaust outlets, front and rear fascia extensions, embroidered GXP seats
- Preferred Package replaces Power Package, and includes power windows, power door locks, remote keyless entry and outside power body-color mirrors
- Two-way power driver seat height adjuster standard on all models
- Latte-color cloth convertible top
- Rear spoiler available on all models
- Sport metallic pedals available on all models
- Exterior color: Mean (yellow) available

Model Lineup

	Engines		Transmissions	
	2.4L Ecotec VVT four-cylinder	2.0L Ecotec DI Turbo VVT	5-speed manual	5-speed automatic
Solstice	s	-	s	o
GXP	-	s	s	o

Key:

Standard s
Optional o
Not Available -

PONTIAC SOLSTICE UPS THE ANTE FOR 2007

Pontiac Solstice, the sleek and seductive roadster, turns up the power and performance for 2007 with the addition of the turbocharged GXP model. The Solstice GXP produces 260 horsepower (194 kW) and 260 lb.-ft. of torque (353 Nm)** – a 47-percent increase over the base model – making its engine the most powerful production version in the Ecotec family.

The Solstice and Solstice GXP are true sports cars with a near 50/50 weight distribution for balanced handling and feel. The models feature rear-wheel drive, four-wheel independent SLA suspensions and 18-inch aluminum alloy wheels. Drivers have a choice between a standard Aisin five-speed close-ratio manual transmission and an optional five-speed automatic.

The '07 models continue to be well-equipped with a variety of comfort and convenience items appreciated by enthusiastic drivers. Standard equipment includes two-way power driver seat height adjuster, racing-inspired sport bucket seats with convenient seat cushion and seatback storage, leather-wrapped manual shift knob, AM/FM and CD stereo with six speakers, rear window defogger, rake-adjustable steering wheel, dual-stage frontal air bags and easy-to-operate cloth convertible top with glass backlight.

Additionally, several option packages are available:

Preferred Package – includes power locks, mirrors and windows, along with remote keyless entry

Convenience package – includes cruise control, driver information center and fog lamps

Premium package – includes leather seating surfaces (Ebony or Steel/Sand two-tone), leather-wrapped steering wheel and steering wheel radio controls

Other options and accessories include sport metallic pedals, rear spoiler, Latte-color cloth convertible top, air conditioning, carpeted floor mats, MP3-capable CD player radio, MP3-capable radio with six-disc in-dash CD player, Monsoon Premium seven-speaker system, OnStar and XM Satellite Radio.

With a wide variety of programming, XM has something to excite any driver. Whether you want to be entertained or informed, to laugh, think or sing, XM has the perfect channel for you – coast-to-coast, and in digital-quality sound.

Solstice is available in seven bold exterior colors, each inspired by a personality trait: Aggressive (red), Cool (silver), Deep (blue), Envious (green), Mysterious (black), Pure (white) and Sly (gray). A new premium exterior color, Mean (yellow), is also available at extra cost.

For 2007, OnStar-equipped Solstice models will feature a new service called OnStar Turn-by-Turn Navigation, the first factory-installed, fully integrated GPS navigation system from OnStar. Turn-by-Turn allows consumers to talk to a live advisor, who in turn sends complete step-by-step directions to customers' vehicles through their OnStar system. These audio directions automatically play through the vehicle's stereo as needed, triggered by the OnStar system's GPS capabilities. This enables drivers to be led to their destination while keeping their hands on the wheel and eyes on the road.

OnStar-equipped Solstice models feature dual-mode (analog-digital) equipment. OnStar's digital equipment includes enhanced hands-free voice recognition capabilities including more intuitive continuous digit dialing and improved voice recognition accuracy.

The OnStar service also includes the General Motors Advanced Automatic Crash Notification (AACN) system, making crash data available to the participating 911 centers to help them dispatch the appropriate life-saving personnel and equipment to crash scenes faster.

GXP details

With the 2.0-liter Turbo engine tucked neatly inside the stunning, curvaceous body of the Solstice, power and beauty become one in the GXP. The GXP is also outfitted with high-polished stainless steel dual exhaust outlets, and front and rear fascia extensions. Inside, the standard cloth or available leather seats are embroidered with a choice of grey or red accent stitching. Other standard interior appointments include brushed aluminum sill plates and embroidered floor mats.

Standard excitement, solid performance

Solstice's superior handling characteristics have been enhanced for '07 with the addition of StabiliTrak electronic stability control system. StabiliTrak, standard on the GXP, helps drivers maintain control during sudden maneuvers or in low traction conditions by using a comprehensive series of sensors to measure acceleration, deceleration, steering angle and yaw rate. By monitoring these inputs, the system automatically controls the vehicle to help maintain the driver's intended path when a measurable deviation from the intended course is detected. It maintains control by regulating the vehicle's acceleration or applying brakes at any wheel.

Solstice uses independent short/long arm-type suspensions at the front and rear to give it a responsive, road-gripping driving feel. Other driver-focused features include:

- Bilstein coil-over monotube shocks at all corners
- Rack-and-pinion steering (power assisted)
- Eighteen-inch aluminum alloy wheels
- P245/45R18 all-season tires; P245/45R18-96W blackwall performance tires are standard on the GXP
- Four-wheel disc brakes
- Available limited-slip rear differential (standard on the GXP)
- Cockpit-style instrument panel with motorcycle-inspired gauges
- Short-throw shifter

The Solstice's four-wheel disc brakes consist of 11.7-inch (297 mm) ventilated front rotors and 10.9-inch (277 mm) rear rotors, which combine to provide assured braking capability. ABS (with dynamic rear proportioning) is available.

Two compact powerhouses

The Ecotec 2.0-liter Turbo engine that powers the GXP is GM's first direct injection offering in North America. Gasoline direct injection technology helps the engine produce more power without sacrificing the fuel economy of a small displacement port-injected engine. The Turbo 2.0-liter produces 260 horsepower* (194 kW) at 5300 rpm and 260 lb.-ft. (353 Nm) at 5300 rpm*.

The base model Solstice is powered by a 2.4L Ecotec four-cylinder engine that produces 177 horsepower (132 kW) at 6600 rpm and 166 lb.-ft. of torque (225 Nm) at 4800 rpm.*

Power output aside, the 2.0L Turbo version shares a number of traits with its naturally-aspirated sibling in the Ecotec family. The features include:

- Dual overhead camshafts (DOHC) and four valves per cylinder
- Twin counter-rotating balance shafts
- Low-friction, roller-finger follower valvetrain with hydraulic lash adjusters
- Low-maintenance chain-drive for the camshafts
- Extremely compact dimensions and low mass
- Direct mounting of all accessories to the engine structure to eliminate common sources of noise, vibration and harshness
- Full circle transmission attachment is more rigid than most 4-cylinder powertrains for reduced noise and vibration
- GM Oil Life System for optimum oil change frequency (included with optional driver information system)
- No routine maintenance apart from oil/oil filter changes
- Innovative cast-in oil filter housing eliminates crawling under the car to perform oil changes. The design also eliminates throwaway oil-filter “cans” that retain used oil that typically end up in landfills

A 3.91:1 axle ratio is standard on the base level Solstice with the five-speed manual powertrain. The GXP model with the manual transmission comes with a 3.73:1 axle ratio.

**Horsepower and torque are SAE certified. A new voluntary power and torque certification procedure developed by the SAE Engine Test Code committee was approved March 31, 2005. This procedure (J2723) ensures fair, accurate ratings for horsepower and torque by allowing manufacturers to certify their engines through third-party witness testing. GM was the first auto manufacturer to begin using the procedure and expects to use it for all newly rated engines in the future.*

***Preliminary, pending SAE certification.*

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SPECIFICATIONS

(See GM of Canada section for Canadian product information.)

Overview

Models:	2-passenger, 2-door roadster ; front-engine, rear-wheel drive
Body style / driveline:	
Construction:	welded galvanized steel enclosed central tunnel and hydroformed tube
EPA vehicle class:	two seater
Manufacturing location:	Wilmington , Del.
Key competitors:	Base: Mazda Miata, Honda S2000, Toyota MR2 Spyder GXP: Mazda MX-5, BMW Z4, Nissan 350Z, Porsche Boxster, Audi TT

Engines

	Ecotec 2.4LVVT	Ecotec 2.0L DI Turbo
Type:	2.4L DOHC I-4	2.0L DOHC I-4
Displacement (cu in / cc):	145 / 2384	122 / 1998
Bore & stroke (in / mm):	3.46 x 3.85 / 88 x 98	3.39 x 3.39 / 86 x 86
Block material:	cast aluminum	cast aluminum
Cylinder head material:	cast aluminum	cast aluminum
Valvetrain:	DOHC, 4 valves per cylinder; variable valve timing	DOHC, 4 valves per cylinder; dual continuous variable valve timing
Ignition system:	electronic direct	Individual coil-on-plug
Fuel delivery:	sequential multi-port fuel injection with high-pressure injectors and electronic throttle control	Spark ignition direct injection (SIDI) with variable high-pressure rail and electronic throttle control
Compression ratio:	10.4:1	9.2:1
Horsepower (hp / kW @ rpm):	177 / 132 @ 6600*	260 / 194 @ 5300*
Torque (lb-ft / Nm @ rpm):	166 / 225 @ 4800*	260 / 353 @ 2500-5200*
Recommended fuel:	premium recommended but not required	premium recommended but not required
Max engine speed (fuel cut-off):	7000 rpm	6200 rpm
Emissions controls:	close-coupled catalytic converters; Quick-Sync 24x ignition system; returnless fuel rail; fast-response O ₂ sensor	close-coupled catalytic converters, Quick-Sync 58x ignition system; returnless fuel rail; wide-range O ₂ sensor

Estimated fuel economy		
(mpg city / hwy / combined):	Manual: 20 / 28 / 24 Auto: 22 / 26 / 24	Manual: 22 / 31 / 25 Auto: 21 / 29 / 24

Transmission

Type:	5-spd man (MA5)	5L40 5-spd auto
Gear ratios: (:1):		
First:	3.75	3.42
Second:	2.26	2.21
Third:	1.37	1.60
Fourth:	1.00	1.00
Fifth:	0.73	0.75
Reverse:	3.67	3.02
Final drive ratio:	Base: 3.91:1 GXP: 3.73:1	Base: 3.91:1 GXP: 3.73:1

Chassis/Suspension

Front:	Base: independent short/long arm, with 27.2 mm stabilizer bar GXP: independent short/long arm, with 33.3 mm stabilizer bar
Rear:	Base: independent short/long arm, with 24.2 mm stabilizer bar GXP: independent short/long arm, with 25.4 mm stabilizer bar
Steering type:	power rack-and-pinion
Steering ratio:	16.4:1
Steering wheel turns, lock-to-lock:	2.7

Turning circle, curb-to-curb (ft / m):	34.8 / 10.6
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Brakes

Type:	std: four-wheel disc; opt: ABS with dynamic rear proportioning
Rotor diameter x thickness (in / mm):	front: 11.7 x 1 / 297 x 25, vented
	rear: 10.9 x 0.5 / 277 x 13, solid
Swept area (sq in / cc)	front: 243 / 1570
	rear: 189 / 1221

Wheels/Tires

Wheel size and type:	Base std: 18-inch x 8-inch five-spoke painted alloy; Base opt: 18-inch x 8-inch five-spoke chrome-plated alloy and polished aluminum alloy GXP std: 18-inch x 8-inch five-spoke polished aluminum alloy
Tires:	Base: P245/45R18 Goodyear Eagle RSA 96V all-season GXP: P245/45R18 Goodyear Eagle F1 GS2 96W high-performance

Dimensions

Exterior

Wheelbase (in / mm):	95.1 / 2415
Overall length (in / mm):	157.2 / 3992
Overall width (in / mm):	71.3 / 1810
Overall height (in / mm):	50.1 / 1273
Track (in / mm):	front: 60.7 / 1543
	rear: 61.4 / 1561
Curb weight, base (lb / kg):	Base: 2993 / 1330 GXP: 2990 / 1356

Weight distribution (front / rear):	approx. 50 / 50
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Interior

Seating capacity:	2
Headroom (in / mm):	38.4 / 975
Legroom (in / mm):	42.8 / 1086
Shoulder room (in / mm):	52.4 / 1332
Hip room (in / mm):	50.6 / 1284

Capacities

EPA interior volume (cu ft / L):	54 / 1529
Passenger Volume (cu ft / L)	50 / 1416
Cargo volume (cu ft / L):	5.4 / 153 (top up); 2.1 / 60 (top down)
Fuel tank (gal / L):	13.6 / 51.5
Engine oil (qt / L):	5 / 4.7
Cooling system (qt / L):	7.9 / 7.5

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**Horsepower and torque pending SAE certification.

Note: Information shown is current at time of publication.