



## Lamborghini Murciélago LP640 specifications

### General information

<b>Type of car</b>	Lamborghini Murciélago LP640
<b>Years built</b>	2006
<b>Production</b>	First customer cars were available from September 2006
<b>Chassisnumbers</b>	n.a.
<b>Presentation</b>	March 2006 Geneva Auto Show
<b>Type of car</b>	Two door coupe, two seater berlinetta, horizontally hinged doors
<b>Designed by</b>	Centro Stylo Lamborghini
<b>Built by</b>	Automobili Lamborghini SpA

### Dimensions

<b>Wheelbase</b>	2665 mm (104.9 in)
<b>Overall length</b>	4610 mm (181.5 in)
<b>Overall width</b>	2058 mm (81.0 in)
<b>Overall height</b>	1135 mm (44.7 in)
<b>Front track</b>	1635 mm (64.4 in)
<b>Rear track</b>	1695 mm (66.7 in)
<b>Ground clearance</b>	n.a.
<b>Front overhang</b>	1005 mm (39.6 in)
<b>Rear overhang</b>	910 mm (35.8 in)
<b>Weight</b>	1665 Kg
<b>Distribution</b>	42 / 58 %

### Chassis

<b>Structure</b>	High-strength tubular steel frame with carbon fiber components
<b>Body</b>	Carbon fiber, except roof and external door panels in steel
<b>Suspension</b>	4-wheel independent articulated quadrilateral system. Hydraulic shock absorbers and coaxial coil springs. Suspension with dual front and rear struts, anti-roll, anti-dive and anti-squat bar.
<b>Brakes</b>	4 self-ventilated rotors with pedal control, hydraulic transmission with dual independent circuits, one for each axle with vacuum servo. ABS antilock device + DRP function (Ceramic disks were optionally available)
<b>Front rotor</b>	steel brake lines : 380 x 34 mm / Ceramic rotors : 380 x 38 mm
<b>Front caliper cylinders</b>	steel brake lines : N.8 (32-28 mm / 32-28 mm) / Ceramic rotors : N.6 (32-36-38 mm)
<b>Rear rotor</b>	steel brake lines : 355 x 32 mm / Ceramic rotors : 380 x 38 mm
<b>Rear caliper cylinders</b>	steel brake lines : N.4 (40-44 mm) / Ceramic rotors : N.6 (32-36-38 mm)
<b>Steering type</b>	Power assisted rack and pinion, 3.5 turns lock to lock
<b>Turning circle</b>	12.55 m (41.18 Ft)
<b>Front tyre size</b>	245/35 ZR 28
<b>Rear tyre size</b>	335/30 ZR 18
<b>Type</b>	Pirelli P-Zero 'ROSSO' with asymmetric unidirectional tread Pirelli P ZERO 'Corsa' (Racing) semi-slick tires were optionally available Pirelli P 'Scottozero' (Sub Zero) winter tires were under development
<b>Front rim size</b>	8.5 x 18 inch
<b>Rear rim size</b>	13 x 18 inch
<b>Type</b>	Aluminum 'Hermera' rims
<b>Mirrors</b>	External mirror with electrical closing and heating system Internal mirror with anti-blinding system
<b>Rear spoiler</b>	Electronically controlled

## Engine

<b>Type</b>	V-12 60 degree, light-alloy block, Longitudinal central rear mounted, permanent four-wheel drive with viscous traction system
<b>Distribution</b>	Dual overhead camshafts
<b>Main bearings</b>	7
<b>Timing</b>	4 valves per cylinder, 4 overhead camshafts timed by 2 chains Electronically controlled continuous timing variator (int. and ex.)
<b>Cylinder capacity</b>	6496 cc
<b>Bore and stroke</b>	88 x 86.8 mm
<b>Compression ratio</b>	11(+/- 0.2):1
<b>Maximum power</b>	640 hp (471 kW) at 8000 rpm
<b>Maximum torque</b>	660 Nm at 6000 rpm
<b>Cylinder heads and engine block :</b>	Aluminum
<b>Intake system :</b>	Variable geometry with 3 operating modes
<b>Cooling system</b>	Two water radiators +oil cooler, variable geometry air inlet system (Lamborghini VACS) liquid cooled, with pressurized circuit
<b>Emission control</b>	Catalytic converters with Lambda sensors
<b>Ignition</b>	Static type ignition system with individual coils (on for each spark plug)
<b>Plugs</b>	n.a.
<b>Electrical system</b>	12 V
<b>Alternator</b>	n.a.
<b>Fuel system</b>	Lamborghini L.I.E. electronic control unit, multipoint, sequential timed, drive-by-wire
<b>Fuel type</b>	Unleaded 95 R.O.N.
<b>Fuel consumption</b>	City : 9 mpg, Highway : 13 mpg
<b>Lubrication</b>	Dry sump
<b>Recovery pumps :</b>	2 gear pumps
<b>Delivery pump (high pressure) :</b>	1 gear pump

## Drivetrain

<b>Type</b>	Lamborghini six-speed + reverse manual all-synchromesh		
<b>Optional</b>	E-gear automatic gearbox available on request only, now featuring a new dedicated 'Thrust' (acceleration programme) mode		
<b>Clutch</b>	Dry-single plate with self adjusting hydraulic control		
<b>Disc diameter</b>	272 mm		
<b>1<sup>st</sup> gear ratio</b>	3.091:1	<b>Maximum speed</b>	103 Km/h (64 Mph)
<b>2<sup>nd</sup> gear ratio</b>	2.105:1	<b>Maximum speed</b>	152 Km/h (94 Mph)
<b>3<sup>rd</sup> gear ratio</b>	1.565:1	<b>Maximum speed</b>	204 Km/h (127 Mph)
<b>4<sup>th</sup> gear ratio</b>	1.241:1	<b>Maximum speed</b>	257 Km/h (160 Mph)
<b>5<sup>th</sup> gear ratio</b>	1.065:1	<b>Maximum speed</b>	299 Km/h (186 Mph)
<b>6<sup>th</sup> gear ratio</b>	0.939:1	<b>Maximum speed</b>	340 Km/h (211 Mph)
<b>Reverse gear ratio</b>	2.692:1	<b>Maximum speed</b>	n.a.
<b>Final drive ratio</b>	n.a.		

## Performance

<b>Top speed</b>	340 Km/h (211 Mph)
<b>0-100 Km/h</b>	3.4 sec
<b>Capacities</b>	
<b>Fuel</b>	100 Lt.
<b>Engine oil</b>	12 Lt.
<b>Cooling system</b>	15 Lt.
<b>Gearbox oil</b>	3.5 Lt.
<b>Front differential oil</b>	1 Lt.
<b>Rear differential oil</b>	2.5 Lt.
<b>Price</b>	European MSRP in 2006 : 215,000 Euro US MSRP in 2006 : \$ 270,000
<b>Current value</b>	Not yet on the market