



Lamborghini Gallardo LP570-4 SuperLeggera



Lamborghini have released their new incarnation of the Superleggera formula with the 2011 Gallardo 570-4. This 2nd generation Superlight receives the new 5.2 litre V10 tuned to 419 kW (570 hp) for this range topping model, were as the first iteration of 2007 used the 5.0 litre version rated at 395 (530 hp).

Visually the biggest change over other models in the Gallardo line is the almighty cow catcher of a front spoiler, it is so large it wouldn't look out of place on an 1800's Central Pacific's "America" class train.

The weight reduction program continues with a dry weight of 1340 kilograms (2954 lb) This is 70 kilograms (154 lb) lighter than the current LP 560-4 Gallardo. The Lamborghini engineers targeted a power to weight ratio of 2.35 kilograms (5.18 lb) per hp. To achieve this figure the weight reduction requirements saw further use of carbon fibre with the already stiff and lightweight aluminium spaceframe. Additionally the rear windshield and side windows are now made from a tough poly-

carbonate. The engine cover also gets a window made from the same polycarbonate material. This window is surrounded by a large carbon-fiber bonnet panel. Carbon-fiber is also the material of choice for the rear spoiler, sills, diffuser, various underbody paneling and the exterior mirrors.

The power increase and weight reduction see Gallardo LP 570-4 Superleggera accelerating from zero to 100 km/h (0-62 mph) in 3.4 seconds (the first version Gallardo SuperLeggera was 3.7) The acceleration to 200 km/h (124 mph) comes in at 10.2 seconds and the top speed is 325 km/h (202 mph).

Stopping the beast is handled by eight-piston aluminum calipers at front and four-piston units at the rear. The ventilated brake discs are 365 and 356 millimeters respectively (14.37 x 1.34 in and 14.02 x 1.26 in). Optional are even lighter discs made from carbon-fiber ceramic with six pistons at the front. The front ceramic discs have a diameter of 380 millimeters (15 x 1.5 in).

Lamborghini LP570-4 Gallardo Superleggera

- All wheel drive
- 90° V 10
- 5204 cc 317.6 cu in
- 1340 kilo 2954.2 lbs
- 570 bhp 425 KW
- Torque 540 Nm

Unsprung weight is also reduced with new 19 inch forged aluminum wheels – saving 13 kg (28.6 lb). The wheel bolts are made from incredibly light and strong titanium. Tyres are Pirelli P Zero Corsa series 235/35 ZR19 at the front and 295/30 ZR19 at the rear.

As is the case these days for every exotic car manufacturer there needs to be efficiency





improvements to go along with the performance improvements and this is certainly the case with the LP570-4. The "Iniezione Diretta Stratificata" direct injection aids fuel consumption and CO2 emissions reductions of 20.5 percent compared to the previous model. The IDS tumbling mix cools the combustion chambers, which enables a very high compression ratio of 12.5:1 which helps increase efficiency. Fuel consumption is now 13.5 liters/100 km (16 mpg), an improvement of 3.5 liters per 100 kilometer

Rod Halligan

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Year 2011

ENGINE

Configuration 90° V10
 Layout Mid Longitudinal
 Induction Natural
 Valvetrain DOHC, 4 Valves
 Fuel feed Direct Fuel Injection
 Displacement 5204 cc 317.6 cu in
 Bore 84.5 mm 3.3 in
 Stroke 92.8 mm 3.7 in
 Compression 12.5:1
 Power 425 kw / 570 bhp @ 8500
 Torque 540 Nm /398 ft lbs @ 6500

BODY

Aluminum & Thermoplastic
 Body over Aluminum Spaceframe
 Weight 1340 kilo 2954.2 lbs
 Length 4390 mm 172.8 in
 Width 1900 mm 74.8 in
 Height 1170 mm 46.1 in
 Wheelbase 2560 mm 100.8 in
 Front track 1622 mm 63.9 in
 Rear track 1592 mm 62.7 in

DRIVE

All Wheel Drive
 Transmission 6-Speed Manual
 Optional Robotized E-Gear

SUSPENSION

Front Double Wishbones w/
 Coil Springs, Gas-Filled
 Shock Absorbers, Anti-
 Roll Bar
 Rear Double Wishbones w/
 Coil Springs, Gas-Filled
 Shock Absorbers, Anti-
 Roll Bar

WHEELS / TYRES / BRAKES

Scorpius forged rims
 Front tyres Pirelli Pzero 235/35 ZR 19
 Rear tyres Pirelli Pzero 295/30 ZR 19
 Front brakes Carbon Ceramic Vented
 Discs 8-Piston Brembo
 Specialist Calipers
 Rear brakes Carbon Ceramic Vented
 Discs w/4-Piston Brembo
 Specialist Calipers
 Steering Rack & Pinion w/Power
 Assist

PERFORMANCE

Top speed 325 kph
 0 - 60 mph 3.3 seconds
 Economy 13.5 L/100 km -(16mpg).