



Roadster

**What could be more extraordinary  
than to drive a supercar  
with a mid LP V12 engine?**

**The answer, if you haven't  
already guessed, is to drive  
an open top supercar  
with a mid LP V12 engine.**

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**More  
Extraordinary**



# The Aventador LP 700-4. The Unique Roadster.

Shaped and inspired by extreme aeronautics,  
the most extraordinary Lamborghini experience ever.

You'll recognise it in the sinuous geometrics of the design, in the unique shape and trim.

You'll hear it in the intimidatory growl of the V12, 6.5 litre, 700 metric horse power,  
mid-rear mounted engine; a first for open-top super sports cars.

You'll sense it in the torsional stiffness of the carbon fiber monocoque.

You'll feel it in the dynamics of its movement, the breathless excitement of its high velocity performance.

You'll see it encapsulated in scissor doors, and in the lightweight, two-piece, carbon fiber,  
removable hard top; the neatest of touches in a perfect balance of sportiness and elegance.

You'll know exactly why we call it the pinnacle of open top sports car precision driving,  
when you drive it yourself.





# Design & Hard Top



The exterior bodyshape possesses a look that concentrates its core power on the rear axle. It offers up a reflection of a certain lifestyle: individual, distinctive, super-stylish and luxurious.

**The Hard Top.** The most differentiating feature of the Aventador Roadster is the two piece, detachable, carbon fiber hard top that can be stowed in the luggage compartment. Rounded in shape for greater spaciousness, its design pursues the strict maxim of Lamborghini: Form Follows Function. The whole car was refined in wind-tunnel experiments to guarantee high down force and simultaneous on-board comfort: in both open and closed configuration.

Each part is made by melding two skins of carbon fiber, both produced by high pressure RTM technology. The result provides the top with the highest automotive standards and a consummate level of aesthetical attainment. The internal hard top reinforcements are made of forged composite,<sup>®</sup> an innovative technology used also on the Sesto Elemento Tub. The final result is a stiff and lightweight hard top.

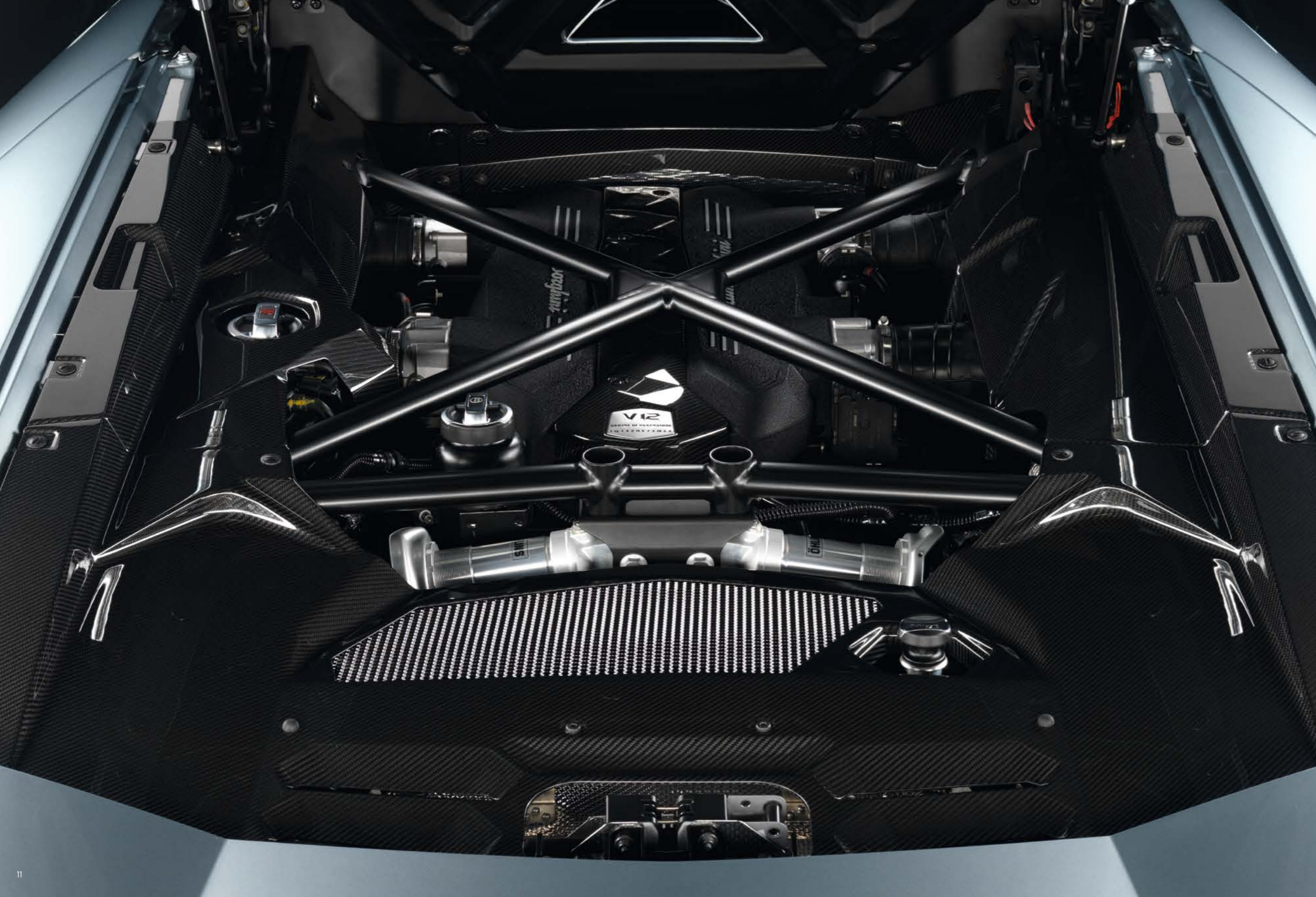
# Chassis

Lightweight engineering is the secret ingredient of the Aventador Roadster. The entire monocoque is made of CFRP - not only the shell but also the windscreen frame, and the infamous hard-top. Weighing only 6kg each, two pillars make up the sleek and light-weight roof. Whilst also made from carbon-fiber, the Aventador rear pillars have been strengthened, to compensate for when the roof is removed.

Main chassis parts are joined by a co-bonding process; shell and rockers are used as a mold to reduce the assembling tolerances - a process borrowed from the aeronautics industry to ensure structural continuity. The upper part of the Aventador is completely carbon fiber, too. The rear pillars house the electric rear window and the automatic rollover occupant protection system. The complete open top body actually has a stiffness comparable to the torsional properties of the aluminium chassis of a super sports car coupé.







# Engine

Not just top of its class in design and comfort, the Roadster is also the only open top V12 mid-rear mounted engine super sports car. Its V12 60 degree engine has been positioned mid-rear to guarantee a perfect weight distribution. The response to even the slightest pressure on the accelerator is an instantaneous and powerful reflexive release of a generous and well-rounded torque curve, while lower fuel consumption and improved CO<sub>2</sub> emissions have been boosted by Stop-Start and Cylinder Deactivation System.\* The Stop-Start is unlike any other, providing the Roadster with the quickest restart time and utilizing a super-capacitor to guarantee the necessary electrical power and obviate the need for a further, weight-producing battery. Compared to traditional systems, restart time in the Roadster is 20% faster; 180 milliseconds is all it takes.

\*These features are available only in some markets.



# Push Rod Suspension

Inspired by extreme competition cars, the front and rear push-rod suspension not only reduces the overall weight of the car - adhering closely to the Lamborghini ethos of lightweight engineering - it also improves both the vehicle's performance and passenger comfort by keeping un-sprung masses to a minimum. The spring/damper elements are not located on the wheel mounts but connected inboard to the body shell structure, they are transversely positioned under the windscreen and close to the engine in the rear. This makes wheel control and handling more responsive and easier to manage at all speeds.





# Transmission & Performance

The Roadster's Automated Manual Transmission with independent shifting rods (AMT ISR) is an electro hydraulic-actuated, seven-speed gearbox with four independent shifting rods. The shifting process runs virtually in parallel: while one shifting rod is disengaging one gear, another shifting rod is engaging the next gear. So changing gear occurs much faster and without any distinct interruption of traction. The Aventador Roadster is the only V12 open top with a Haldex four wheel drive system. Its transmission, a single-clutch seven-speed semi-automatic, accomplishes gear shifts in 50 milliseconds.

Summing up, all its technical innovations make the Aventador Roadster a car with a weightless structure that releases boundless power and seamless performance. But what you'll really be holding your breath for are these figures: 0-100 Km/h (0-62mph) in 3 seconds; top speed 350 Km/h (217 mph) in both the open and closed top configuration. Breathe out.









# Exterior Design

# Exterior Colors

Claim your position. Without uttering a word.

## Basic Colors



Nero Aldebaran (Black)

Giallo Evros (Yellow)

Bianco Isis (White)

## Solid Color (option)

## Metallic Colors (option)



Nero Pegaso (Black)

Grigio Estoque (Gray)

Grigio Antares (Gray)

Blue Hera (Blue)

AzzurroThetys (Light Blue)

## Pearl Effect Colors (options)

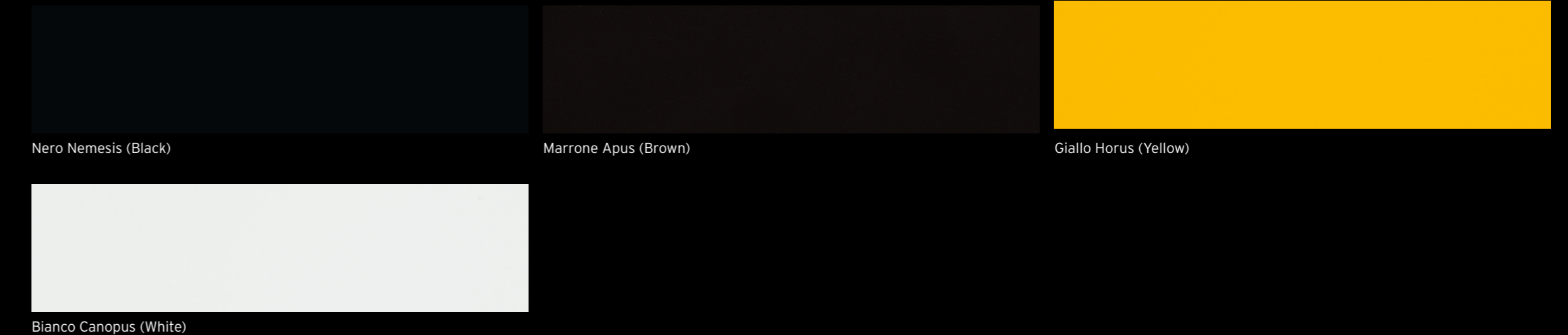


Arancio Argos (Orange)

Arancio Atlas (Light Orange)

Giallo Orion (Yellow)

## Matt Colors (Ad Personam)



Nero Nemesis (Black)

Marrone Apus (Brown)

Giallo Horus (Yellow)

Bianco Canopus (White)



# Exterior Details

Personalizing your Aventador Roadster to your personality and lifestyle is always possible at Lamborghini. No matter how big or small, aggressive or sporty, masculine or elegant.

## Rims

Different wheel sizes are available. The "Iperione" rim is 9"x19" at the front and 12"x20" at the rear and it's available in silver or high gloss black paint. The "Dione" Forged rim is 9"x20" at the front and 13"x21" at the rear and emphasizes the aggressive look of the car. The design is light and the structure is made of forged aluminum to reduce the overall car weight. This new rim allows for a superior traction, road holding and driving precision that reinforces the Aventador Roadster driving experience and thrill.

## Brake Caliper Colors

It is possible to customize your Aventador Roadster right down to the brake calipers. Calipers are available in 5 different colors.

## Rear Suspension Springs Colors

These come in two color options. Black or yellow.

## Rims



Iperione 19"/20" Silver



Iperione 19"/20" High Gloss Black



Dione Forged 20"/21" Silver



Dione Forged 20"/21" Titanium Matt



Dione Forged 20"/21" High Gloss Black

## Caliper Colors



Black



Silver



Red



Orange



Yellow

## Rear Suspension Springs Colors



Black



Yellow



# Exterior Carbon Fiber Packages

Years of experience in development and production of carbon fiber parts can clearly be seen on the Aventador Roadster. Its new lightweight carbon fiber exterior packages, give the car an enhanced feel of masculinity and aggression, with its powerful proportions. Packages can vary to taste, customizing the very best angle and look to your preference and personality.

## Front Exterior Carbon Fiber Package\*

Front spoiler and front air intake frame are included in this package.

## Rear Exterior Carbon Fiber Package\*

Rear diffuser and rear air outlet frame are included in this package.

## Exterior Details in Carbon Fiber\*

Front bonnet air outlet frame and upper/lower side air inlets frame are included in this package.

Even the engine can be fitted with carbon fiber parts which are stylishly exposed beneath the transparent engine bonnet which is available as an optional extra.

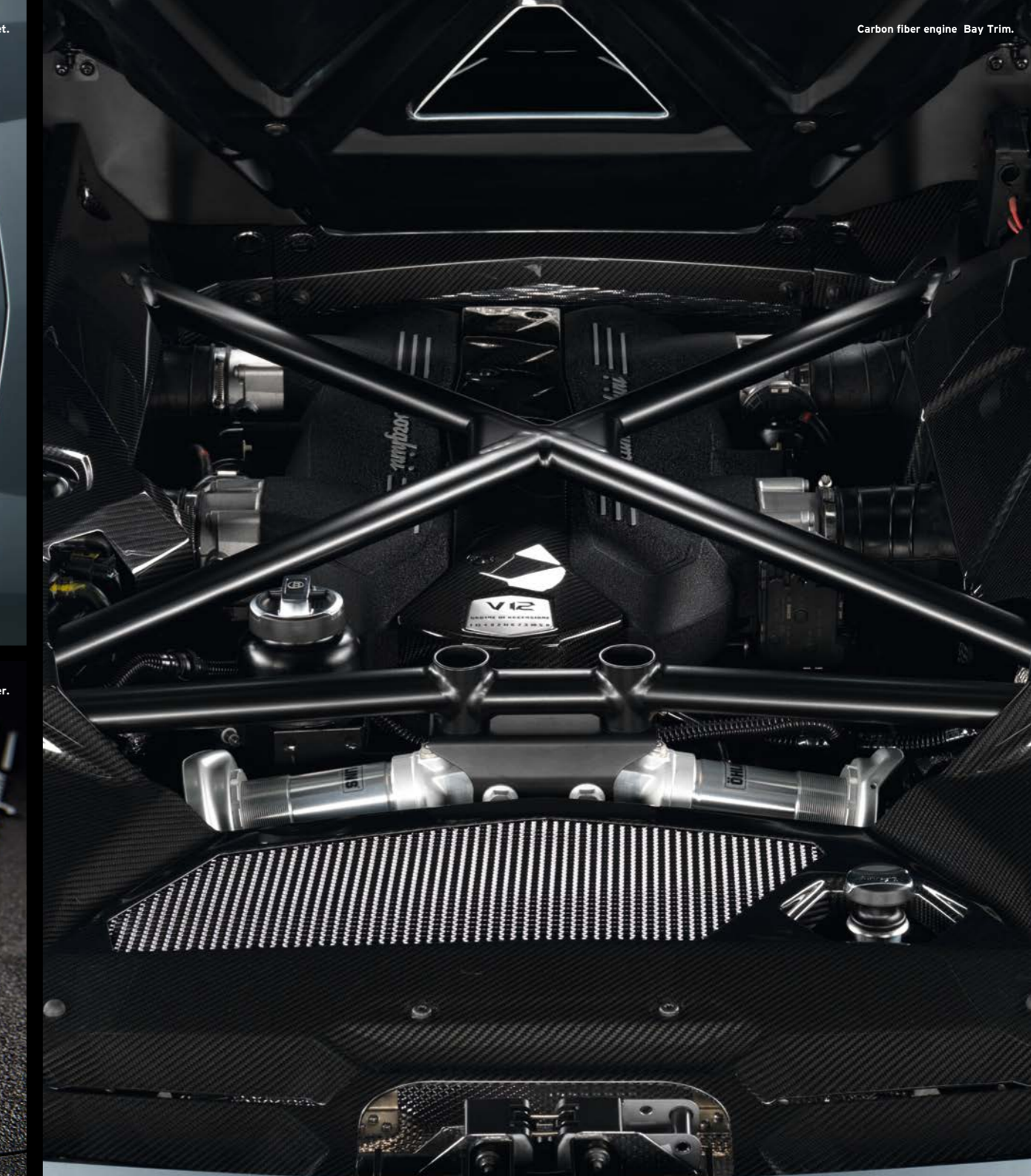
## Carbon Fiber Engine Bay Trim\*

This option includes the engine bay in visible carbon fiber and is composed of four pieces around the engine bay.

## T-Engine Cover in Carbon Fiber

This option includes the T-shape part on the top of the engine, covering the air manifold

\*These options can be ordered during 2013.



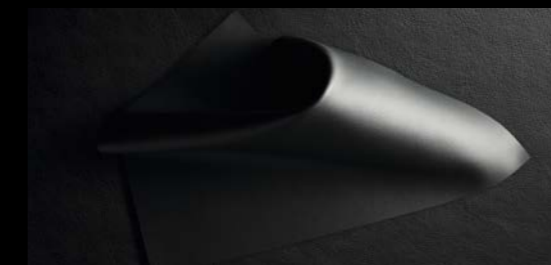


# Interior Design

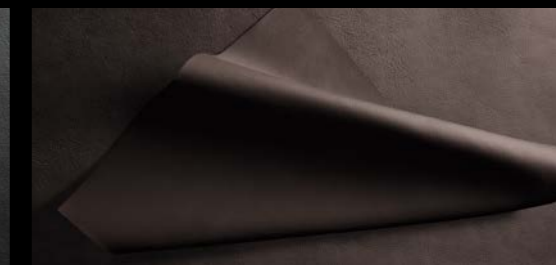


# Unicolor Interior Trim

Deep black Nero Ade or imperious brown Marrone Elpis?  
All you have to do is choose the color to adorn your kingdom.



Nero Ade (Black)



Marrone Elpis (Brown)



# Unicolor Interior with Contrast Stitching Trim

Mark your territory with one of ten colors. Add a striking contrast to the main color of Nero Ade or Marrone Elpis with a choice of nine different stitching options.



Nero Ade (Black)



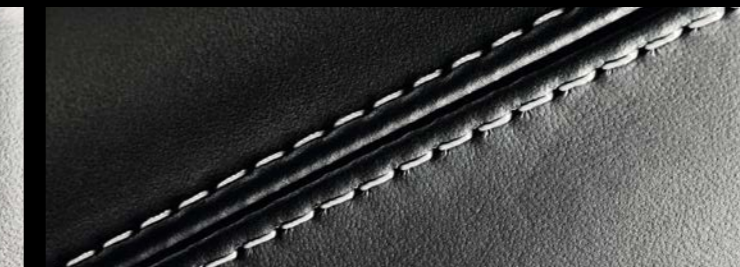
Marrone Elpis (Brown)



Terra Dirce (Brown)



Terra Semele (Brown)



Bianco Leda (White)



Arancio Argos (Orange)



Arancio Leonis (Light Orange)



Giallo Taurus (Yellow)



Sabbia Nerfertem (Brown)





# Bicolore Sportivo Trim

## The sportiest combination of all

With the optional Bicolore Sportivo and Bicolore Sportivo Alcantara packages, you can choose between leather and Alcantara® to enhance your personal realm. You make the rules when it comes to choosing colors, too. So which one of our five sporty colors will you select to complement the main color of Nero Ade?

### Color Options



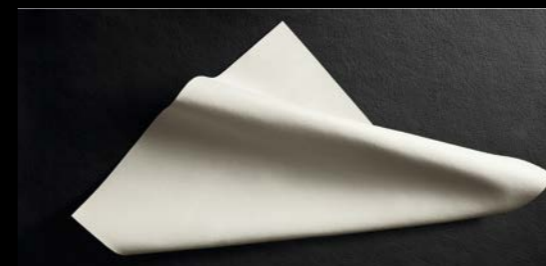
Arancio Dryope



Arancio Leonys



Giallo Taurus



Bianco Leda



Verde Ulysses

### Material Contrast Color



Bicolore Sportivo (Leather)



Bicolore Sportivo Alcantara (Alcantara)



# Bicolore Elegante Trim

## Two colors. Both one of a kind

The optional Bicolore Elegante and Bicolore Elegante Plus packages are ideal for those who like to surround themselves with elegance. Alongside the main color of Nero Ade, you're once again free to choose from four stylish colors. You can also opt for one of two truly exquisite materials: leather (Bicolore Elegante) and embossed leather (Bicolore Elegante Plus). Bicolore Elegante Plus also features unique stitching to emphasize the elegance of your Lamborghini even further.

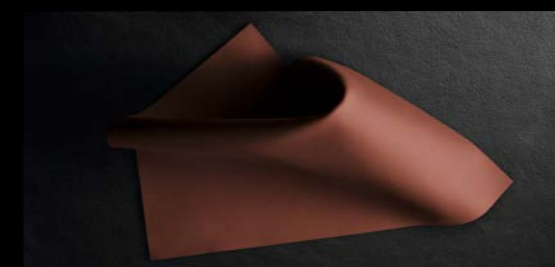
### Color Options



Marrone Elpis (Brown)



Sabbia Nefertem (Brown)



Terra Dirce (Brown)

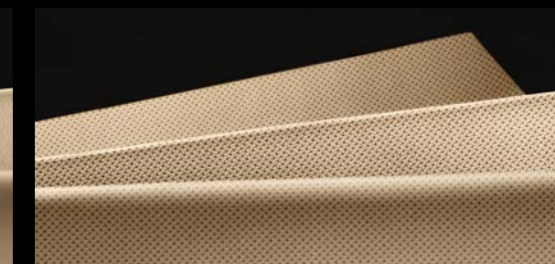


Terra Semele (Brown)

### Material Contrast Color



Bicolore Elegante (Leather)



Bicolore Elegante Plus (Embossed Leather)



# Interior Details

It's possible to fully customize the Aventador Roadster interior in order to emphasize your personal lifestyle.

## Steering Wheel

The steering wheel can have smooth, suede or perforated leather grips: keep maximum car feeling and control but choose your own style too.

## Branding Package

Created for all drivers loving the Lamborghini world, the branding package includes:

- The Lamborghini crest embossed on the headrest
- The chromed Lamborghini logo on the dashboard

The Aventador interior combines the fine exclusivity of premium materials and perfect Italian craftsmanship. Carbon fiber interior details are absolutely consistent with these characteristics and also enrich the Aventador interior with a technological and lightweight material.

## Seat Details in Carbon Fiber\*

This package includes the back of the headrest, the backrest and the side seat covers in carbon fiber. This option can be ordered with both the standard seats and the full electric and heated seats. Moreover this option can be ordered with every type of interior trim.

## Interior Carbon Fiber Package\*

This package includes the instrument scoop cover, the TFT-screen frame, the center console cover, the MMI frame, the door handles and the external kick plates.

\*These options can be ordered during 2013.



Multifunction steering wheel with perforated leather.

Branding package: Logo on dashboard and headrests.





# Standard Equipment

## Chassis, Wheels and Suspension

Carbon-fiber monocoque with aluminum front and rear frames  
Alloy silver rims (19" front - 20" rear)  
Pirelli P Zero tires  
Carbon-ceramic brakes  
Black brake calipers  
Pushrod suspension, front and rear

## Interior Trim and Seats

Upholstery in high-quality natural leather  
High-quality carpet for lower cabin area  
Manual seats with electrically adjustable backrest

## Safety

Dual-stage driver airbag  
Adaptive passenger airbag with automatic occupants classification  
Side head-thorax airbags  
Knee airbags  
Seat belt with pre-tensioner and load limiter  
Collapsible steering column  
Electric parking brake  
Immobilizer  
Auto lock  
TPMS (tire pressure monitoring system)  
Passive pedestrian protection system  
Automatic rollover occupant protection system

## Electronic Controls

ABS, EBD, ASR, ESC  
Hill Holder  
Electronically controlled rear spoiler  
Electronically controlled side air intake  
Servotronic  
Integrated command with 3 driving modes integrating gearbox, differential, engine response & servotronic

## On-Board Telematics & Electronics

Start engine button on tunnel  
Full TFT cockpit  
On-board computer  
Multimedia system with 7" TFT display  
iPod and USB interface  
Navigation system (where available)  
Bluetooth  
Antitheft system  
Lifting system  
Bi-xenon headlights with washer  
Daytime running lights with LED technology  
Ignition key with remote control (keyless)  
Automatic A/C with solar sensor  
Crepuscular and rain sensors  
Electrically adjustable and heated side mirrors with folding function  
Electric rear windows module

# Optional Equipment

## Functional Entertainment & Performance

### Standard

Seats with manual longitudinal adjustment, electric backrest adjustment and manual folding.

Lamborghini sound system  
(2 woofers on doors and 2 tweeters on dashboard).

### Optional

Fully electric and heated seats (electric longitudinal adjustment, backrest, height and lumbar support adjustment, manual folding and 5 heating levels).

SENSONUM Premium Sound System  
(2 ultimate neodymium high-performance woofers on doors and 2 ferrofluid-cooled neodymium tweeters on dashboard; 4 x 135 W, full digital DSP-based, class D amplifier).

Multifunctional steering wheel to control the multimedia system.

Parking assistance (rear-view camera with front and rear parking sensors).

HomeLink® (where available).

### Standard

Engine bonnet.  
T-shaped engine cover in polycarbonate.

### Optional

Transparent engine bonnet.  
T-shaped engine cover in carbon fiber.  
Front Exterior Carbon Fiber Package.\*  
Rear Exterior Carbon Fiber Package.\*  
Exterior Details in Carbon Fiber.\*  
Carbon Fiber Engine Bay Trim.\*

## Tires, Rims & Callipers

### Standard

"Iperione" Silver rims (19" front - 20" rear).

Black rear suspension springs.  
Black brake callipers.

### Optional

"Iperione" High Gloss Black rims (19" front - 20" rear).  
"Dione" Forged Silver (20" front - 21" rear).  
"Dione" Forged High Gloss Black (20" front - 21" rear).  
"Dione" Forged Matt Titanium (20" front - 21" rear).

Yellow rear suspension springs.  
Red, orange, yellow and gray brake calipers.

## Interior Design & Trim Accessories

### Standard

Steering wheel with smooth leather.

### Optional

Steering wheel with suede leather.  
Steering wheel with perforated leather.  
Seat details in Carbon Fiber.\*  
Interior Carbon Fiber package.\*  
Full Interior Carbon Fiber package.\*  
Branding package.  
Smoker package.

\*These options can be ordered during 2013.





# AD PERSONAM

Endless possibilities.  
Even before you start the engine.

What makes the Aventador LP 700-4 Roadster the perfect car for you? You. We want you to call the shots when designing your car, so why not create a Lamborghini that's every bit as unique as you are? Welcome to Ad Personam, Lamborghini's exclusive customization program. Exclusivity and luxury also mean unlimited freedom, especially when it comes to stamping your car with your own unique personality. Here at Lamborghini, it matters to us that your super sports car is yours and yours alone - handcrafted just for you. Thanks to a virtually endless range of customization options for both the exterior and interior, including colors, leather, materials, seams, carpets and roof liners, you can personalize your Lamborghini to your heart's content. It goes without saying that no matter what you choose, every detail will have the same high quality typical of the Lamborghini brand.



Bullet Silver



Brilliant Black



Baseball Red



Acid Yellow

# Technical Specifications

Chassis and body	
Frame	Carbon fiber monocoque with aluminum front and rear frames.
Body	Carbon fiber engine bonnet, front fenders and doors; SMC rear fender and rocker cover; High pressure RTM carbon fiber Hard Top matt black painted.
Suspension	Front and rear horizontal mono-tube damper with push-rod system.
ESP	ESP/ ABS with different ESP characteristics managed by drive select mode.
Brakes	Dual hydraulic circuit brake system with vacuum brake booster; front and rear CCB.
Ventilated discs (front)	Ø 400 x 38 mm (15.74 x 1.49 in) 6 pistons (calipers).
Ventilated discs (rear)	Ø 380 x 38 mm (14.96 x 1.49 in) 4 pistons (calipers).
Steering	Steering Gear with 3 different servotronic characteristics managed by drive select mode.
Tires (standard)	Pirelli 255/35 ZR19 (front) - 335/30 ZR20 (rear).
Rims (standard)	19"x9J (front) - 20" x 12J (rear).
Tires (optional)	Pirelli 255/30 ZR20 (front) - 355/25 ZR21 (rear).
Rims (optional)	20"x9J (front) - 21" x 13J (rear).
Kerb-to-kerb turning circle	12.5 m (41.01 ft).
Mirrors	External mirror electrically foldable.
Rear spoiler	Moveable - 3 positions depending on speed and drive select mode.
Airbags	Front dual stage driver airbag and front adaptive passenger airbag; seats with side "head-thorax" airbags; passenger and driver knee airbags.

Engine	
Type	V12, 60°, MPI .
Displacement	6498 cc (396.5 cu. in).
Bore and stroke	Ø 95 mm x 76.4 mm (3.74 in x 3.01 in).
Valve gear	Variable valve timing electronically controlled.
Compression ratio	11.8 ± 0.2.
Maximum power	700 PS* (515 kW) at 8250 rpm.
Maximum torque	690 Nm (509 ft-lb) at 5500 rpm.
Emission class	EURO 5 - LEV 2.
Emission control system	Catalytic converters with lambda sensors.
Cooling system	Water and oil cooling system in the rear with variable air inlets.
Engine management system	Lamborghini Iniezione Elettronica (LIE) with ion current analysis.
Lubrication system	Dry sump.

Drivetrain	
Type of transmission	4WD with Haldex generation IV.
Gearbox	<b>7 speed ISR, shifting characteristic depending on drive select mode.</b>
Standard	AMT.
Clutch	<b>Dry double plate clutch, Ø 235 mm (9.25 in).</b>
Performance	
Top speed	350 km/h (217 mph).
Acceleration 0-100 km/h (0-62 mph)	3 seconds.
Dimensions	
Wheelbase	2700 mm (106.29 in).
Overall length	4780 mm (188.18 in).
Overall width (excluding mirrors)	2030 mm (79.92 in).
Overall width (including mirrors)	2265 mm (89.17 in).
Overall height	1136 mm (44.72 in).
Dry weight	1625 kg (3582 lb).
Weight distribution (front - rear)	43% - 57%.

Tank Capacities	
Fuel tank	90 litres (23.77 US gallons, 19.79 UK gallons).
Engine oil	13 litres (3.43 US gallons, 2.86 UK gallons).
Engine coolant	25 litres (6.60 US gallons, 5.50 UK gallons).
Consumption**	
Combined	16 l/100 km
CO <sub>2</sub> emission	370 g/km

\*The horsepower (hp) can be calculated as follows: 1 kW = 1,34 hp  
 \*\*In accordance with Dir. EC/1999/100



# Accessori Originali

There's one thing that no Lamborghini has room for - compromise.

When it comes to personalizing your Lamborghini Aventador LP 700-4 even further, you should remain true to your standards, and ours, with Accessori Originali Lamborghini. Choose from our selection of highest quality accessories in order to refine, protect and enhance your super sports car. And to demonstrate your superiority in more uncompromising style than ever before.



Floor mats with personalized edge.



Valve caps with logo kit.







All the illustrations and descriptions in this brochure are based on product information available at the time of printing (31/01/2013). Some of the pictures may refer to specific market configurations which may not be present or available in all other markets.

The colors and samples featured in this brochure may differ slightly from the originals. Lamborghini reserves the right to introduce any modifications at any time and without advance notice for colors, design, equipment, options or technical specifications.

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