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The AMB 001 by Aston Martin and Brough Superior

- **The AMB 001 by Aston Martin and Brough Superior: Aston Martin design meets Brough Superior engineering; two iconic and historic British performance brands unite**
- **The track-only, strictly limited edition motorcycle, is the first product from new partnership**

5 November 2019, Milan, Italy: The AMB 001 by Aston Martin and Brough Superior made its worldwide debut at EICMA, the Milan Motorcycle Show, today. The reveal heralds the first chapter of an exciting new partnership between Aston Martin and Brough Superior.

Strictly limited to just 100 examples, the track-only AMB 001 represents the union of iconic Aston Martin design and state-of-the-art Brough Superior engineering to create a piece of automotive art for the motorbike connoisseur.

Aston Martin Executive Vice President and Chief Creative Officer, Marek Reichman said: “This is what we believe a cutting-edge motorcycle should be and we are very proud to see the Aston Martin wings on a motorcycle for the first time. In addition to applying the skills we have developed for cars such as the ground breaking Aston Martin Valkyrie we have also been able to bring our special expertise in the traditional craft techniques to this project. The finished product is a truly beautiful motorcycle; a design and engineering work of art.”

With the AMB 001, Aston Martin and Brough Superior are presenting a unique, modern, lightweight and powerful sports bike concept, boasting exclusive technical features, including a chassis configuration with a double wishbone front fork and structural carbon fibre body.

Taking their inspiration from the new series of mid-engined Aston Martin cars, the Aston Martin Design team worked on clear principles of form and function, where design and

engineering had to work together, resulting in a motorcycle that is a high performance work of art.

Presented in the traditional Aston Martin Racing colours of Stirling Green and Lime Essence with Matte Black wheels, forks and brake assemblies, the AMB 001 features a sublime combination of paint and bare carbon fibre that accentuates the lines of this collectors' item. As befits the Aston Martin and Brough Superior brands, all of the components have been specially designed using the best processes and materials, including carbon fibre, titanium and billet aluminium.

The bike boasts a strong, sculptural body form, beautifully accented by a carbon fibre fin - the design of which is derived from the side strake on Aston Martin cars - that runs along the full length of the Stirling Green tank, passing under the saddle and out onto the rear, creating a flowing form along the top of the bike. As the fin passes under the saddle it can be seen through breaks in the Oxford Tan leather pads of the hand-stitched saddle, which combines old techniques and modern technology in one swooping area that is a perfect fit for the human form.

AMB 001 has been designed to display a level of elegance that isn't normally found on racing bikes. Beauty and power is the order of the day for this track-only racer. Aerodynamic wings attached to the cowl on the front of the bike take their direction from the S-Curve on the front of an Aston Martin, providing Aerodynamic downforce.

The AMB 001 boasts a turbo-charged output of 134 kW (180 hp) at just 180 kilos dry weight. This turbo configuration brings an incredible engine response with huge torque in a wide range of engine rpm. This is also the first time that a Brough Superior model is presented with a V-twin turbo-charged engine.

In keeping with its track-inspired pedigree, the AMB 001 is presented with ultra-lightweight Aston Martin wings, which sit under the lacquer of the bodywork on the nose and the tank. These are the same nine-micron stainless steel wings that adorn the Aston Martin Valkyrie.

"Aston Martin may be 106 years-old but the forward momentum of this company is inspiring, for every area of the business but for Design in particular," continued Reichman. "The same people who work on the design of our cars have worked on the AMB 001. These people are absolute experts and have delivered many of the special project cars that we have designed.

Unlike at other car companies, our designers have the full breadth of experience and I think this is showcased in this aspirational bike.”

The AMB 001 is being built and hand-assembled in the Brough Superior factory in Toulouse, France. Just 100 examples will be made, with an MRSP of 95,000 EUR (excl. local tax). First deliveries are set to begin from Q4 2020. For further information please visit: <https://www.astonmartin.com/en-gb/our-world/partnerships/brough-superior>.

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About Aston Martin Lagonda:

Aston Martin Lagonda is a luxury automotive group focused on the creation of exclusive cars and SUVs. The iconic Aston Martin brand fuses the latest technology, exceptional hand craftsmanship and timeless design to produce models including the Vantage, DB11, Rapide AMR and DBS Superleggera. The Lagonda brand will relaunch in 2021 as the world's first luxury electric vehicle company. Based in Gaydon, England, Aston Martin Lagonda designs, creates and exports cars which are sold in 53 countries around the world.

Lagonda was founded in 1899 and Aston Martin in 1913. The two brands came together in 1947 when both were purchased by the late Sir David Brown. Under the leadership of Dr Andy Palmer and a new management team, the Group launched its Second Century Plan in 2015 to deliver sustainable long-term growth. The plan is underpinned by the introduction of seven new models including the DB11, new Vantage, DBS Superleggera and an SUV, as well as the development of a new manufacturing centre in St Athan, Wales.

About Brough Superior:

Brough Superior Motorcycles was established in Nottingham, England, in 1919, by George Brough, Brough Superior was the fastest, best-looking, most expensive brand to beridden by thrill-seeking record-breakers and gentleman riders from the roaring twenties. Brough Superior's most famous fan was T.E Lawrence "of Arabia" who owned seven of the brand.

Relaunched in 2013 by Thierry Henriette, a highly-respected motorcycle designer who has worked for major manufacturers throughout the world. He started by relaunching the most famous of George Brough's motorcycles, the one favoured by Lawrence of Arabia, the SS100.

The new era Brough Superior bikes have kept the DNA of the classics such as the art deco design and improved it beyond the modern standards with exclusive technologies and the finest materials. Today Brough Superior produces a range of three luxury modern classic motorcycles, recognised for their superior quality, high performance and precise handling that provide a joy riding experience.

These distinctive motorcycles are handcrafted in limited numbers in a fully integrated process including the specific engine built in Toulouse, France, capital of the Aerospace industry, and shipped worldwide.

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Attachment 1.

AMB 001 Specification

POWERTRAIN

A DOHC 997cc 8-Valve 88-degree V-twin, water and oil cooled, short stroke measuring 94mm x 71.8mm, kicks out a turbo-charged 134 kW (180 hp) at just 180 kilos dry weight.

The AMB 001 represents the first Brough Superior model to be presented with a turbo-charged engine. The powerful turbo gifts the rider with a motor that has an incredible response and huge torque over a wide range of RPM.

The variable geometry turbo is intercooled for increased efficiency and its modern low inertia turbine is specifically designed to avoid turbo lag.

The Transmission includes an extractible 6 speed gearbox an APTC clutch, and a final chain drive.

The timing is driven by a compact short Morse chain and a gear train to ensure precision and reliability.

The engine covers are machined from a solid billet of metal.

The exhaust manifold is manufactured from Inconel, a superalloy chosen for its excellent thermal and mechanical properties.

CHASSIS

The AMB 001's high-tech chassis combines stiffness with lightness comprising a structural carbon fibre rear sub frame and machined titanium supports.

The AMB 001 rides on exclusive wheels that are machined from forged aluminium.

Featuring machined components and ball bearing action on the radical master cylinder piston, a custom racing brake system has been developed to give the AMB 001 excellent feel and feedback.

Developed from a Machined form billet aluminium, the double wishbone fork dissociates steering and braking functions, resulting in precise steering and stability.

The CNC-machined rear swing arm includes a progressive damping system with rocker hinges, which allow greater travel on the shock absorber, resulting in incredibly precise damping.

BODY

The body panels on the AMB 001 are all manufactured from the latest carbon fibre technology, minimising weight and where feasible the panels are structural to further reduce weight.

The leather saddle and matching handlebar grips are handcrafted with high quality automotive leather and stitching.

Developed for the latest Aston Martin hypercars, such as the Aston Martin Valkyrie, the iconic Wings badges are made from incredibly thin, ultra-light laser cut metal and are included under the lacquer for a perfect surface finish.