



The all-new smart fortwo cabrio

Press Information

Summer 2016

Summer in the City

Atlanta. Now on sale in U.S. dealers, the all-new smart fortwo cabrio represents a particularly iconic variant of the model series as the one of the most affordable new convertibles on the market. An extension of the Mercedes-Benz product portfolio, the smart fortwo offers personalization, convenience, safety, efficiency and affordability. Starting at \$18,900, the all-new smart cabrio further expands the smart fortwo lineup in the U.S.

Three cars in one: at the touch of a button the new smart cabrio is transformed from a closed two-seater into a car with a large sliding canvas sunroof, or a full-fledged cabriolet with the soft top completely open. This enables the fresh air driving experience to be adapted to the weather or the driver's mood. This flexibility offered by the "tritop" folding soft top and the removable roof bars is a special feature – and not just in this segment. At the same time, the new smart cabrio is the only true cabriolet in its vehicle class.

"Our new smart cabrio really exudes the 'joy of life' in the city – which is what our brand stands for," says Dr. Annette Winkler, Head of smart. "I am sure that we will delight our present 220,000 cabrio customers and win lots of new fans with this successful lifestyle icon."

The new smart cabrio (length/width/height: 8.8/5.4/5.1 ft) is clearly recognizable as a member of the new smart generation. The third model also embodies the smart design philosophy of FUN.ctional design, defined by two poles – the heart and mind. The design idiom is clear, purist and very progressive. This includes the typical silhouette with ultra-short overhangs, the clear lines, shapes and surfaces and, of course, the tridion safety cell. With the grille in a fading honeycomb design and the rhombic headlamps, the face is unmistakably smart. The B-pillar is narrower than on the closed variant and the styling of the tridion safety cell is more progressive, giving the smart fortwo cabrio an even sportier and more forward-focused look.

Prospective customers can choose between two different colors for the "tritop" fabric soft top: red or black. The headlining is always grey. The removable roof bars that can be stowed in a compartment in the tailgate come in the tridion color.

Soft top: opens within twelve seconds

When the sun peeps out from behind the clouds, smart fortwo cabrio drivers can react quickly: the fabric soft top can be opened fully automatically in 12 seconds – even when driving at top speed. With the 3-button key the soft top can also be opened from outside the car by remote control.

Removing the side roof bars enables a full-blown cabrio experience. The roof bars can be stowed on the inside of the tailgate. This stowage compartment in the tailgate also offers additional stowage space for small items.

With an area of 19.4 sq-ft the "tritop" fabric soft top is approximately four percent larger than its predecessor. The outer covering is made of a particularly lightfast polyacrylic fabric and the inside features a polyester/cotton mix. There is a rubber layer in the middle. The soft top has a total thickness of 0.8 inches. The rear windscreen is heated and is made of glass.

Safety: occupant protection space validated in roof-drop test

The new smart fortwo cabrio is the most rigid smart cabrio ever. The torsional strength has been improved by around 15 percent compared with the predecessor. The material mix comprises a high proportion of ultra-high strength hot-formed steels and maximum-strength multiphase steels.

In addition, the cabrio has been specifically reinforced in decisive places in comparison to the coupe. The modifications include a large steel cross under the vehicle, two torsional bulkheads under the vehicle at the front and rear and an inner tube in the A-pillars made of high strength hot-formed steel.

As well as meeting the requirements of mandatory crash tests, the new smart fortwo cabrio – with a safety concept that includes the tridion safety cell typical of the brand for efficient energy absorption – also passes additional Mercedes-Benz crash tests that often have much stricter requirements. This includes the "roof-drop" test. Here the body falls at a slight angle from a height of 50 centimeters onto the roof structure and the vehicle hits one of the two A-pillars.

Several advanced assistance systems are available on the smart fortwo, including the latest-generation ESP® with Crosswind Assist and Hill Start Assist (standard) and forward collision warning (optional).

Turbocharged engine, two transmissions, four lines

The new cabrio will be available with the same state-of-the-art three-cylinder engine as the coupe, rated at 89 hp. This engine can be combined with the five-speed manual transmission or the fully automatic twinamic dual clutch transmission. Needless to say, the smart fortwo cabrio has the agility typical of the brand – with the 22.8 ft (from curb to curb) and 24 ft (from wall to wall) turning circle, turning maneuvers are extremely simple.

In addition to the three lines passion (standard), prime and proxy, customers can choose from a large range of safety and comfort features. The high-quality and charming interior of the smart fortwo cabrio corresponds to that of the closed variant with standard features including a smart radio with Bluetooth® technology, automatic climate control, power windows, power steering, cruise control, a multifunction steering wheel, alarm system, and LED Daytime Running Lamps integrated into the headlamps. A wind deflector is available as an option. The interior styling is sure to delight and is characterized by a "dynamic loop" as a signature feature throughout the interior – for example, emotional sweeping lines are featured on the dashboard and doors.

Endurance testing: extensive testing in laboratories and on the road

The testing program for open-top vehicles from Mercedes-Benz Cars is extensive – and identical for all models: the new smart fortwo cabrio was therefore subjected to the same rigorous tests as, for example, the S-Class Cabriolet from Mercedes-Benz. In one particular endurance test, the opening and closing of the soft top was simulated over the whole vehicle life cycle. As well as this component test, which comprises 20,000 cycles, the soft top and the soft top mechanism must also prove themselves in the climatic chamber because perfect functioning must also be ensured at temperatures between 5 and +176 degrees Fahrenheit. In addition, an "abuse test" is performed at -40 degrees Fahrenheit with a completely iced roof: in this case overload protection protects the soft top's drive motor.

The car wash test ensures that smart cabrio passengers always stay dry. At 500 cycles, the requirements correspond to those for the coupe. In addition to this testing in the development phase, every single smart cabrio is also tested for

leak-proofness: at the end of the production at the Hambach plant every vehicle is sprinkled with a standardized amount of water for seven minutes. Page 4

The developers tested the maintenance of a draft-free interior in the Mercedes-Benz wind tunnel with the help of the dummy "Tanja." She is fitted with a total of 16 speed sensors on her neck and arms which allow the flow speeds of the wind in the interior to be measured.

In addition, there is extensive overall vehicle testing on testing grounds and roads of different quality around the world.

smart cabrio: a car with cult character for 15 years

At the International Motor Show in Frankfurt in 1999, smart surprised the world public with a number of new model studies. A cabrio version was presented that was based on the smart city-coupe. This model opened a whole new dimension to the "closed" micro car community by opening up the roof. The smart cabrio offers pure joy of life. From the spring of 2000 the world's smallest production cabriolet rolled off the production line and onto European roads. Since the first model change in 2006 the soft top has been fully automatic.

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About smart

smart, a part of the Mercedes-Benz, USA portfolio, is headquartered in Atlanta. The smart line consists of fortwo models in coupe, cabrio and electric drive. All smart models sold in the U.S. are covered by a four-year, 50,000-mile new vehicle limited warranty.

Classified as ultra-low emissions vehicles by the State of California Air Resources Board, smart models are 8.8 feet long and just over 5 feet tall by 5 feet wide. Despite their microcar exterior dimensions, smart vehicles are surprisingly roomy inside and have a full array of technological and safety features including the patented tridion safety cell, and eight airbags in the coupe and six airbags in the cabriolet, which is designed to protect occupants in the event of a collision. All smart vehicles, designed to be 85% recyclable and over 95% reclaimable, are produced in the environmentally oriented "smartville" factory in Hambach, France.

Further information about smart is available online at www.media.mbusa.com and www.smart.com.

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