The MINI - A Review of Evolution in Mechanical Engineering

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Introduction

The latest MINI offers the quality and appeal of a small BMW, but the design becomes more and more caricatured. It can get bigger with each new generation, but even the MINI is getting better and better, so it's like being in a small car. It is also a winner who won the gong of the best small premium car of the year at our 2016 New Car Awards and the Cabrio of the Year at the 2018 Awards.

In 2018, the car was subjected to a mid-life update [1], which consisted of an optimized exterior design, more technology, and other ways of personalizing - an important part of the MINI's appeal because the car was relaunched in 2001 by BMW. And although it is possible to specify a highly customized MINI and a brilliant cost, regardless of the engine, most versions are in fact very economical and can be purchased in moderation. And thanks to the five-door version, which retains the character of the three doors, but offers more space, it is now also suitable for family traffic. The MINI is an elegant and upscale hatchback that combines an attractive retro design with an exceptional driving experience.

Competitive Evolution

Similar competitors include the Audi A1 and the Volkswagen Polo as well as more classic superminis such as the SEAT Ibiza, the Mazda 2, the Ford Fiesta and the Citroën C3. To a certain extent, the Fiat 500 and its parent Abarth are also retro-styled, but they are much smaller. Over the course of today’s MINI Affi sells the style of its classic 1960s predecessor [2] and has a similar go-kart handling, it's much, much more - especially in five-door or clubman break watch. The latest “new” MINI is the third generation of BMW and even slightly larger than the last [3].

2014 introduced MINI Mk3 is longer, wider and has a slightly longer wheelbase than its predecessor, improving rear passenger housing and luggage compartment. In addition to the three and Fünftürern you can also opt for MINI Clubman's practical wagon, MINI Convertible, the sporty John Cooper Works Hatch Hot and an SUV / crossover called MINI Countryman. There is also a Countryman plug-in hybrid model, while a fully electric MINI hatchback is scheduled for 2019.

In early 2018, the MINI received its mid-term update and benefited from improved design, more technologies and features as standard, giving customers more options to customize their vehicles. Facelift MINI are recognizable by the unique LED daylight graphics, fully LED headlamps (with optional Matrix anti-glare function) and the EU flag design tail lamps.

In all vehicles is now available as standard a multifunction steering wheel, Bluetooth and a 6.5-inch color touch screen, while MINI now offers a vast MINI yours personalized program - one of the highlights include the possibility that Scutleverkleidung (plastic, in plus side markers on the front wings) in 3D with a word, a pattern or a collection of words and numbers at the customer's choice.

Conclusion and Outlook

At the same time, the latest MINI benefited from the introduction of a new line of supercharged engines and cabin upgrades. The three-cylinder units are shared with the BMW
1 Series and the BMW X1 Crossover, which also shares its platform with the MINI.

With the recent update, the range of trim levels has become a bit more complicated. the well-known 1.5-liter MINI One, the powerful MINI Cooper, the sporty 2.0-liter MINI Cooper S and the full-size MINI John Cooper Works hatchback versions are still available, but all but these now have three “styles” separated.

The entry-level model is a simple yet well-equipped classic, a traditional-looking MINI and a blank canvas that unleashes your imagination. Then, the sport comes with a JCW body kit, sport suspension, cruise control and various details inspired by the warm hatch. At the forefront of the series is Exclusive, which offers most of the sport’s features, but gives the MINI a touch of luxury, with many details in leather and chrome.

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References