



PRESS RELEASE

Magneti Marelli at the 2018 Geneva International Motor Show

- *Full-LED headlights fitted on the new Jeep Wrangler and Cherokee*
- *Adaptive lighting systems by Magneti Marelli Automotive Lighting also on Mercedes Maybach S-Class and BMW X4*
- *Also in the spotlight, the instrument cluster for Peugeot 508*

The Geneva International Motor Show is a showcase for Magneti Marelli technology on the most important European and worldwide previews, on display until 18 March at the Palexpo.

There is particular focus on the two most important new cars presented by Jeep, which feature Magneti Marelli advanced lighting solutions.

In particular, the classic nose of the **Jeep Wrangler**, now in its fourth generation, integrates two full-LED headlights supplied by Magneti Marelli Automotive Lighting, which combine tradition and advanced technology, inserting LED modules in the classic round shape. The low beam module is composed of 7 LEDs plus 2 supplementary LEDs with a reflective system to improve visibility. The high beams use a module with 5 LEDs. The use of a full-LED system allows for a reduction of 0.7 grams of CO₂ per kilometre, and reduces energy consumption by approximately 1/6, compared to traditional halogen modules.

Automotive Lighting technology has also been adopted for the new **Jeep Cherokee** model presented in Geneva, which is fitted with full-LED headlights and LED rear lights. The upper section of the elongated headlight carries the LEDs dedicated to DRL (Daylight Running Light), while two modules are located below for low beams, with 7 LEDs plus one reflective LED, and high beams, with 5 LEDs which illuminate the road with 1900 lumens, double that of a halogen system. Again, in this case, the use of LEDs allows for a significant reduction in terms of consumption and emissions.

Returning to the Jeep Wrangler, which has been presented in the Sport, Sahara and Rubicon versions, Magneti Marelli has also supplied the instrument cluster, which combines circular analogue elements with a 3.5" colour TFT display or a modern state of the art configurable 7" HD colour TFT display. The display provides information on safety systems such as Parking Assistant, Blind Spot Monitoring and Rear cross-path detection, as well as the front and lateral inclination of the vehicle.

Magneti Marelli is also present at the Geneva International Motor Show on **Mercedes-Benz**, on the flagship **Maybach S-Class**. This vehicle uses full-LED matrix front lighting systems with Multibeam technology, and LED rear lights. The car is equipped with the "welcome" function, which activates the lighting remotely with the unlocking and locking of the doors, with a dynamic play of lights completed with blue LED strips colouring the headlights. The

headlights are equipped with ADB (Adaptive Driving Beam), which partitions the light beam in order to avoid dazzling vehicles in front.

Again, in the lighting sector, Magneti Marelli has also supplied the full-LED headlights with adaptive system for the new **BMW X4** and the restyled **2 Series Gran Tourer**, which also uses components for the suspension system supplied by Magneti Marelli.

Focus on electronic systems for PSA: at the Geneva show, **Peugeot** has presented the completely restyled **508**, that features a digital, configurable instrument cluster by Magneti Marelli. The company will also supply the 8" secondary display with touchscreen technology for the infotainment system.

Remaining in the area of electronic systems, the new **Citroën Berlingo** has adopted the Magneti Marelli 8" display for the infotainment system.

The company has also made its contribution to the updating of the **Škoda Fabia**, which adopts a new LED front lighting system. For the new **Kodiaq L&K** edition, technology from the company is present in Exhaust System components and Powertrain (motorised throttle, and GDI pump and injectors for the 1.4L petrol engine).

***Magneti Marelli** designs and produces advanced systems and components for the automotive industry. With 86 production units, 14 R&D centres in 21 countries, approximately 43,000 employees and a turnover of 7.9 billion Euro in 2016, the group supplies all the major carmakers in Europe, North and South America and the Asia Pacific region. The business areas include Electronic Systems, Lighting, Powertrain, Suspension and Shock Absorbing Systems, Exhaust Systems, Aftermarket Parts & Services, Plastic Components and Modules, Motorsport. Magneti Marelli is part of FCA.*

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