

PRESS RELEASE

Magneti Marelli technology on the new Alfa Romeo Giulietta

Infotainment systems, front lights and LED headlamps, electronic control units, suspensions. Plenty of Magneti Marelli components featured onboard the new Giulietta.

Magneti Marelli supplies many components and technologies for the new Alfa Romeo Giulietta, ranging from infotainment systems to lighting and suspensions.

In the **electronic systems** area, the innovative radio navigator with built-in maps and “pop-up display” fitted on the Alfa Romeo Giulietta is a Magneti Marelli product. The hide-away display is positioned in the upper part of the dashboard. The advanced design and ergonomics system incorporates radio, Audio CD player and CD MP3, SD Card (including for MP3), TMC Pro (traffic info service available in Italy, France, Germany, United Kingdom and Spain) and steering wheel controls. The SD card comes with pre-loaded maps of Europe which can be used to store music by using a card with files loaded in MP3 format. The navigator display can also show vehicle operating parameters, set by means of the Alfa DNA display, without the driver’s having to take his eyes off the road.

This equipment is perfectly integrated in the passenger compartment in terms of style, and the many features of the Blue&Me[®] system can be added to it to make it even richer.

For the Alfa Romeo Giulietta **lighting** systems, Magneti Marelli supplies bi-xenon HID (High Intensity Discharge) lights for high and low beams. Compared to traditional halogen lights, the Xenon system can supply 200 percent more light. In addition to ensuring improved safety when driving, these lights also require approximately one third less energy compared to the respective halogen lights, and their lifecycle is comparable to that of the vehicle.

The lights assembled on the Alfa Romeo Giulietta also features AFS (Advanced Frontlighting System) which adjusts the light beam, in terms of concentration and width, not only in relation to the steering and dynamic vehicle conditions, but also to weather conditions and visibility, vehicle speed, curving radius and the sides of the roads. All this to guarantee drivers utmost visibility and safety.

In the halogen version, the Alfa Romeo Giulietta lights are the clean-lens type. The Design frame features shiny and polished finish areas in aluminium (for traditional lights) and steel (darker and warmer shade) tones for the Pack Sport versions.

The main optics functions are on the inside, while a black frame completes the finish. Both the Xenon and halogen lights incorporate the DRL (DayTime Running Light) function with LED (Light Emitting Diode) technology, which is particularly suited for the DRL function due to its long life and low energy consumption.

The rear headlamp features LED parking light and a round dot-like shape. Compared to traditional incandescent lights, the main advantages of using LEDs for rear headlamps are their long life, low energy consumption and reduced depth of the units. They also offer significant advantages in terms of safety, as they turn on faster compared to a traditional light bulb.

With regards to **engines**, Magneti Marelli supplies the engine electronic control unit for the 1.4TB Multiair with 170 HP as well as the manifolds and throttled bodies for the 1.6 and the 2.0 JTDM, 105 and 170 HP respectively.

The main components of the front **suspensions** mounted on the new Alfa Romeo Giulietta feature the cross-member and control arms designed and manufactured by Magneti Marelli. The cross-member, consisting of a welded frame of elements in high-resistance steel is at the top of the current production in terms of weight/stiffness ratio and stiffness of the coupling points of the arms.

This contributes to improving the overall vehicle performance in terms of handling, comfort and road dynamics. The cross-member on the Giulietta was also developed to achieve a high degree of energy absorption in case of a head-on collision.

The control arms consist of 2 half-shells made of special ultra-resistance steel welded together, again with a view to obtain the best ratio between weight and structural strength I.

Magneti Marelli Suspension Systems also assembles the semi-corners (front spring-shock absorber groups) and the wheel groups.

The Giulietta rear suspensions feature a new multi-link structure for which Magneti Marelli Suspension Systems supplies the assembled wheel group, inclusive of the longitudinal arm.

Lastly, for the **exhaust systems** Magneti Marelli supplies the end-terminals for the 1.4TB 120 HP, 1.4TB MultiAir 170 HP and 1.6 JTDM 105 HP engines. Systems whose design blends in perfectly with the personality of the car.

***Magneti Marelli** progetta e produce sistemi e componenti avanzati per l'industria dell'auto. Con 77 unità produttive, 11 centri R&D e 26 centri applicativi in 18 paesi, circa 32.000 addetti e un fatturato di 4,5 miliardi di Euro nel 2009, il gruppo fornisce tutti i maggiori car makers in Europa, Nord e Sud America e Far East.. Le aree di business comprendono: Sistemi Elettronici, Illuminazione, Controllo Motore, Sistemi Sospensioni e Ammortizzatori, Sistemi di Scarico, Aftermarket Parts & Services, Plastic Components and Modules, Motorsport. Magneti Marelli fa parte di Fiat Group.*

Milano, 25 maggio 2010.