



Article published on December 8th 2011 | [Business](#)

Now available at Ferrari Beverly Hills, the Ferrari FF is the new revolutionary four-seat Ferrari, the predecessor of an innovative GT sports car concept providing exceptional performance and versatility.

The 4RM Control features multiple logics specifically developed for low or low grip conditions. In particular, when accelerating out of blends in low grip conditions, the F1-Trac, E-Diff and PTU work together to distribute the maximum torque to each individual wheels for optimum performance. Torque is transmitted to the front wheels only in a balanced, progressive way in order to guarantee maximum stability. The system also recognizes under- and over- steer situations and grip variations and instantly correct them by modifying the amount of torque transmitted to each wheel. The 4 RM Control has a specific high-performance system integrated into the Performance Launch feature active in all Manettino positions. The logic recognizes the amount of grip available to each individual wheel and then sends the maximum amount of torque possible to the road without causing wheel spin. The result is a car achieving a smooth and maximum longitudinal acceleration under all grip conditions without wheel spin. In a conventional 4WD system, instead, the wheel spin during standing starts is controlled by the ASTR and/or by locking the differentials. Thus, the 4RM Control redistributes torque to the wheels but doesn't act as a brake as it does with systems used by other vehicle manufacturers. The Ferrari FF four wheels drive system achieves therefore an improved stability, superior handling and control as well as superb performances even on snow surfaces.

Braking is perfectly controlled too thanks to Ferrari Pre-Fill logic which activates the calipers pistons when the driver takes his foot off the accelerator pedal, with a consequential reduction of response time, shorter stopping distances, better pedal feel, less drag and lower fuel consumption.

The FF's new suspension features traditional double wishbones in the front (with lower L arm) and a redesigned multi-link system in the rear, allowing boosting transverse and vertical rigidity by 20%. This system also enhances handling and superior sporty driving, thanks to the FF extremely fast response times, a more direct steering ratio (-20%) and absolutely minimal body roll. Longitudinal flexibility has been tripled too, resulting in a lower suspension noise and even more efficient absorption of bumps and asperities.

The FF is also the first vehicle in the Ferrari range to support the third generation Brembo carbon-ceramic material (CCM) brakes. The main innovation in the braking system is the new material used for the pads which decreases disc dimensions by 10%, despite improved braking performances.

Article Source:

<http://www.articleside.com/business-articles/new-ferrari-ff-vehicle-dynamic-control.htm> - [Article Side](#)

[Passione Rossa](#) - About Author:

As every a [Ferrari](#), the a [Ferrari FF](#) has a truly unique design approach and technology innovations to achieve indisputable performance and driving experience. Inquiry about the new FF or a [Ferrari California](#) today.

Article Keywords:

Ferrari FF, Ferrari California, Ferrari

You can find more [free articles](#) on [Article Side](#). Sign up today and share your knowledge to the community! It is completely FREE!