What is an ABS - ESP - TC system and how does it work?

Beitrag von „Albert Motorsport“ vom 27. März 2023, 23:48

Hi E9,

you're welcome, thanks for your great suggestion, I'll record it!

The sensitivity of the switches is most sensitive at the lowest levels, which means that e.g. at level 1 the ABS system immediately kicks in at the slightest slip when braking and starts decelerating.

It's the same with the ESP system. These are the ideal settings for beginners who want to be 100% on the safe side. The advantage is safety: The disadvantage is the sensitive response that prevents best lap times, which, if you want to be fast, are always on the edge of the grip limit.

Accordingly, the logical consequence is that top drivers will select the highest levels in order to have as little regulation as possible and then get this at the liability limit.

Important in this context is the condition of the tires, which influences the slip, as well as the air pressure and the condition of the road surface and the degree of dirt on the route.

An experienced driver starts with our recommendation in the recommended setting 6 and then moves according to his ability, with the rotary switch in the direction of professional or in the opposite direction.

After a very short time you will learn to appreciate the system and will notice that the lap times will improve significantly.

We tried different options, hence the different knobs in the dash of the test car.

In the past, there were separate regulation options for the front and rear, which is combined in the standard system today because only marginal differences had to be compensated for, which can be recorded and regulated very well with a single rotary switch.

Another option will be available shortly, a tracking system that will then regulate the slip when accelerating in curves as well. Another advance in terms of safety and speed. I will report on this separately.

If you have any further questions, I'll be happy to answer them!

Many thanks for the comment.

Jürgen Albert

Team Albert Motorsport