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PPE- und PPC-Modelle, Elektronikarchitektur E3: Safty and driving dynamics

Audi models based on the Premium Platform Electric (PPE) and Premium Platform Combustion (PPC) will receive a comprehensive hardware and software update at the start of the new model year. New features will be added to the A5, A6, Q5, A6 e-tron, and Q6 e-tron series.

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*Driver assistance: more safety, more comfort*

The system not only keeps the vehicle in its lane as long as the driver's hands remain on the wheel, but now also supports lane changes initiated by the driver on the highway. Where possible, the driver can initiate assisted lane changes by activating the turn signal; the vehicle then steers into the desired lane.

Expanded predictive assistance systems provide even greater safety and comfort. While adaptive cruise assist activated, the vehicle automatically adjusts its speed in accordance with road signs. Furthermore, the Audi drive select assistant will also be available. When activated, this function automatically adjusts the drive select mode to suit the driver's individual driving style and the respective driving situation.

The car recognizes stop signs, right of way, and speed limits based on data fusion from stored route data and visual detection by the front camera. In addition, vehicles with the prerequisite specification also detect road irregularities and pass this swarm data on to other Audi vehicles via the backend.

*Driving dynamics: greater emotion, greater efficiency*

An advanced form of adaptive cruise assist will be available in several markets. The system not only keeps the vehicle in its lane as long as the driver's hands remain on the wheel, but now also supports lane changes initiated by the driver on the highway. Where possible, the driver can initiate assisted lane changes by activating the turn signal; the vehicle then steers into the desired lane.

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swarm data on to other Audi vehicles via the backend.

Once this information has been received, adaptive cruise assist on following vehicles can adjust the speed before reaching the relevant section of road, ensuring a comfortable drive over the irregularity.

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