Audi A7 Sportback – Crossing and Turn Assist

Audi offers a choice of 39 driver assistance systems in the new A7 Sportback. They are split up into three packages: the Park assist package (successive introduction beginning 2018), the City assist package with the new crossing assist, and the Tour assist package.

Like the A8, the new Audi A7 Sportback is equipped with the central driver assistance controller (zFAS), which continually computes an image of the surroundings. It draws on a sensor set that in the full version includes five radar sensors, a laser scanner, a front camera, four 360 degree cameras and twelve ultrasonic sensors. The Audi (remote) parking pilot and Audi remote garage pilot, which will follow in the course of the year, automatically steer the Gran Turismo into a parking space or garage and back out again when the driver activates and monitors this function on their smartphone. The driver can also activate the Audi parking pilot via the corresponding button.

At the front axle, it changes the steering ratio depending on the driving situation. At the rear axle, it turns the wheels either in the same or opposite direction of the front wheels depending on the speed. Even with the base steering, a new steering boost concept provides the driver with intensive feedback from the road.

The optional sport differential actively distributes drive torque between the rear wheels, complementing the standard quattro all-wheel drive. It as well as the dynamic all-wheel steering, optional suspension with damper control, optional sport suspension and adaptive air suspension with controlled damping (option) are controlled by the electronic chassis platform (ECP). Thanks to this close networking, all systems work together for increased comfort, sportiness and maximum precision. The driver can choose from several profiles in the Audi drive select system; they offer a wider spread between comfort and dynamics compared to the predecessor.

Status 2/2018

Source: www.audi-technology-portal.com
AUDI AG 2026