

# ALL-NEW FORD GALAXY & S-MAX: TECHNOLOGIES EXPLAINED

Smart Ford technologies found in the all-new Galaxy and S-MAX are designed to make journeys safer, more comfortable and more convenient for drivers, passengers and other road users.

The diagram shows a car driving at 70 MPH. A camera scans road signs, identifying a speed limit of 50. The system then adjusts the throttle to help the driver stay within the legal speed limit of 50 MPH.

### INTELLIGENT SPEED LIMITER

- Forward-facing camera scans for road signs
- System recognises speed limits
- Adjusts throttle to help drivers stay within legal speed limits

The diagram shows a car driving at night. A camera and radar scan for vehicles and pedestrians in or near the road. If an imminent collision is identified and the driver does not respond, autonomous braking is deployed.

### PRE-COLLISION ASSIST WITH PEDESTRIAN DETECTION

- Forward-facing camera and radar scan for vehicles and pedestrians in or near the road
- System warns if imminent collision is identified
- If no driver response, autonomous braking deployed

The diagram shows a car driving at night. A camera detects light sources from vehicles ahead. The system controls the highbeam pattern to prevent dazzle while retaining maximum illumination elsewhere.

### GLARE-FREE HIGHBEAM

- Forward-facing camera detects light sources from vehicles ahead
- Controls highbeam pattern to prevent dazzle while retaining maximum illumination elsewhere

The diagram shows a car in three states: Normal Driving Condition, All Wheels Can React to Changing Grip, and Returns to Normal Driving Conditions. A circular graphic indicates the system's ability to adjust torque distribution.

### INTELLIGENT ALL-WHEEL DRIVE

- Body control, braking, gearbox and the steering sensors calculate every 16 milliseconds which wheels should receive torque for maximum grip, stability and cornering ability
- System can send engine torque to the front or rear wheels
- Adjustments is made in 100 milliseconds

The diagram shows a car with a key in the pocket. A person gestures with their foot below the rear bumper to open and close the tailgate.

### HANDS-FREE LIFTGATE

- With keys in pocket, tailgate can be opened simply by gesturing with a foot below rear bumper
- Tailgate can be closed in the same manner

The diagram shows a car driving on a road. Sensors scan for suitably-sized parking spaces parallel to the road or side-by-side with other cars. The system advises the driver on gear selection and controls steering to reverse hand-free into the parking space.

### ACTIVE PARK ASSIST WITH PERPENDICULAR PARKING

- Ultrasonic sensors scan for suitably-sized parking spaces parallel to the road or side-by-side with other cars
- System advises driver on gear selection. Driver operates pedals
- System controls steering to reverse hand-free into parking space

The diagram shows a car's interior. A hand presses a button to fold all five rear seats. A hand also presses a button on the control panel in the bootspace to fold the third row seats.

### POWER SEAT FOLDING

- All five rear seats fold flat at the push of a button
- Third row seats also are power raised from the control panel in the bootspace<sup>1</sup>

<sup>1</sup>On Galaxy only

