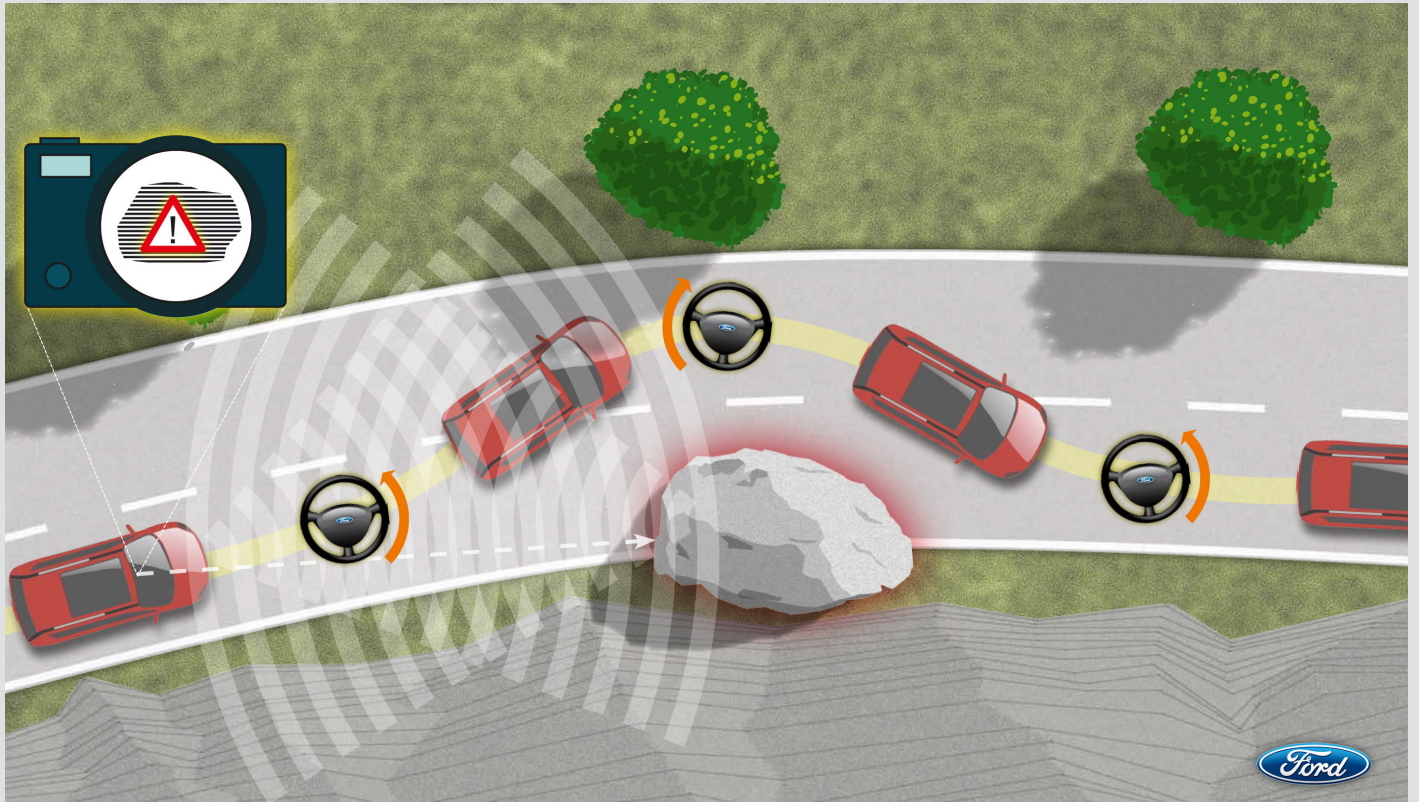




Smart Obstacle Avoidance Research Technology

Ford's Obstacle Avoidance research technology warns the driver if it detects slow-moving objects, stationary obstacles or pedestrians in the same lane ahead. If the driver ignores the warning and the system senses a collision it will then automatically steer and brake to avoid danger.

Smart Obstacle Avoidance Research Technology



What it is

Ford has developed Obstacle Avoidance technology that enables vehicles to identify potential hazards in the road and then autonomously brake and steer to avoid them if the driver fails to react. The system uses long and mid-range radar, plus a forward looking camera to monitor the car's surroundings.

How it works

- Obstacle Avoidance uses three radars, ultrasonic sensors and a camera to scan the road up to 650 feet or about the length of 14 and a half school busses.
- If the system detects a slow-moving or stationary object it first displays a warning and then sounds a chime
- If the driver does not steer or brake, then the Obstacle Avoidance technology applies the brakes, scans for gaps on either side of the hazard, and takes control of the electronic power steering to

Availability

Technology on research vehicles only.