

FCW AND AEBS

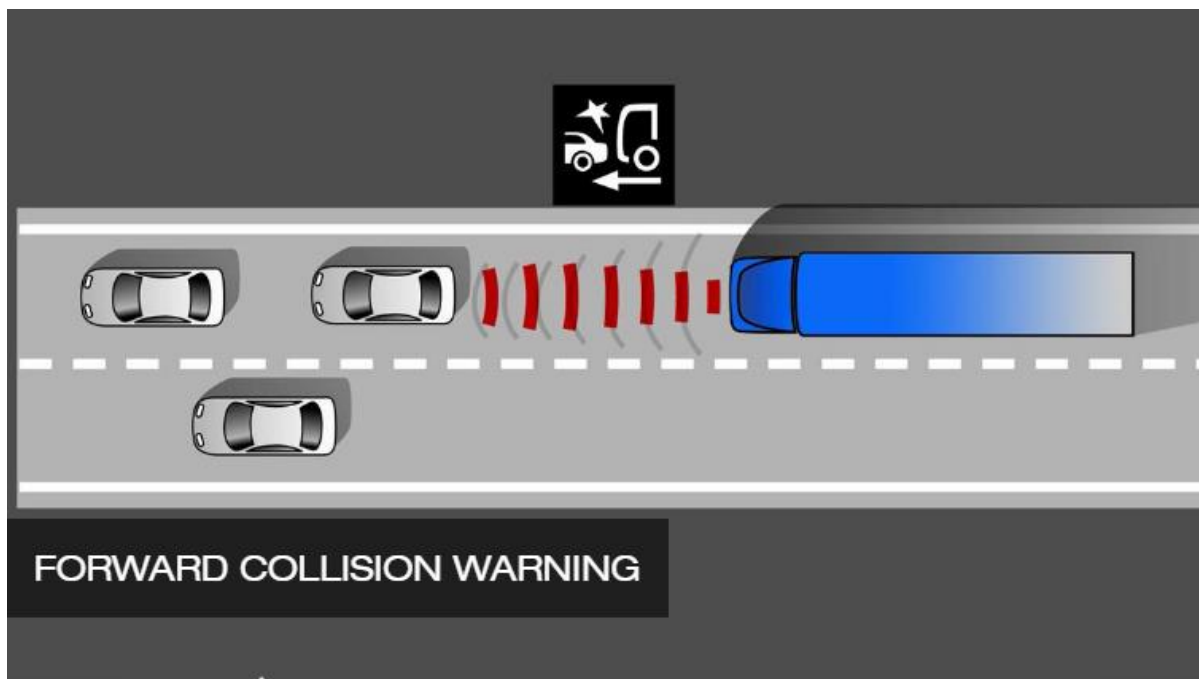
FCW (Forward Collision Warning) and AEBS (Advanced Emergency Braking System) are safety systems integrated in the Adaptive Cruise Control (ACC) system.

Whereas ACC in itself is primary intended to reduce the strain on the driver by maintaining a set distance to the traffic ahead, FCW and AEBS are safety functions that only become active to avert an impending collision.

FCW alerts the driver if manual intervention is needed to avoid a collision, Active intervention by FCW and AEBS in the vehicle systems (engine throttle; retarders) will follow if the driver does not react properly. In case of such active intervention brake lights and hazard lights will light up.

The following phases can be distinguished:

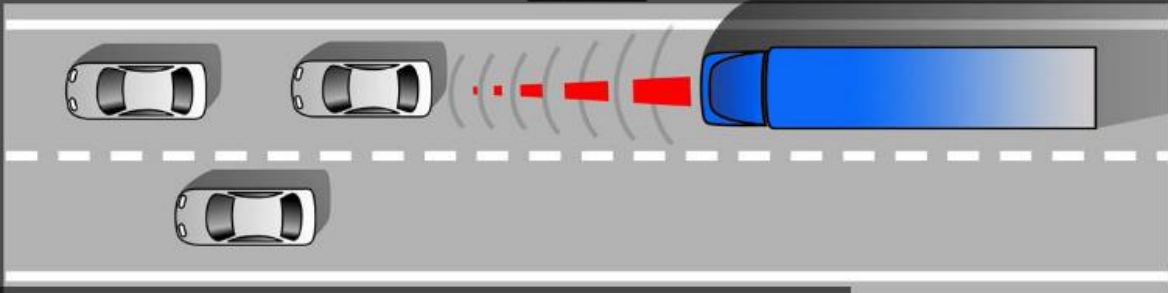
- ACC distance alert (yellow warning on the central display and audible warning)
- FCW distance alert (red warning on the central display and audible warning)
- FCW partial braking phase (max. deceleration 3 m/s²)
- AEBS full braking phase (max. deceleration 6 m/s²)
- AEBS will continue to operate when hazard lights are switched on.



DISTANCE ALERT, APPLY BRAKES!



Forward Collision Warning



ADVANCED EMERGENCY BRAKING SYSTEM

BRAKING HARD AUTOMATICALLY



Advanced Emergency Braking System