

FACT SHEET

# FORWARD COLLISION WARNING



Forward Collision Warning support the driver in keeping a safe distance to the vehicle ahead and alert the driver if there is a risk for a potential collision with the vehicle ahead.

Two variants also have emergency braking. If the risk of collision is imminent, the vehicle brakes will be applied automatically.

The systems use both a radar sensor and a camera to collect information and identify vehicles on the road.

### Sales variants

**HWSS-FCB** Forward collision warning with emergency braking

**HWSS-ACB** Forward collision warning with emergency braking and adaptive cruise control

**HWSS-CW** Forward collision warning, only available for FL 4x4

## SAFETY

- Reduce the risk of accidents and collisions.
- Keep a safe distance.
- Audio and visual collision warning – even if the ACC is not activated.
- Fulfils UN/ECE requirements.

## DRIVER APPEAL

- Easy and logical to handle.
- Audio and visual collision warning – even if the ACC is not activated.

	HWSS-FCB	HWSS-ACB	HWSS-CW*
Forward Collision Warning	•	•	•
Emergency Braking	•	•	—
Adaptive Cruise Control	—	•	—

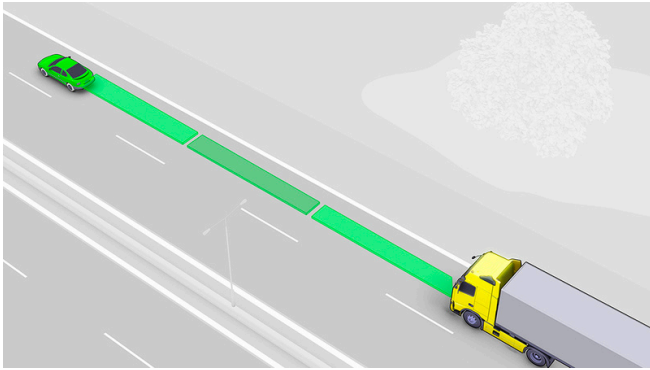
• Standard, — Not available

\*Only available on FL 4x4

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# FORWARD COLLISION WARNING

### Forward Collision Warning



All forward collision warning systems use radar and camera.

The Forward Collision Warning (FCW) system alerts the driver if there is a risk for a potential collision with the vehicle ahead.

The driver is warned with a flashing light and an acoustic signal sounds.

The Forward Collision Warning system is activated each time the vehicle is started and is available at speeds above 5 km/h.

The FCW system can be manually switched off by using the switch on the instrument panel.

### Emergency Braking

The Emergency Braking system adds an extra layer of safety to the Forward Collision Warning system. If immediate action is not taken when the FCW warns and the system considers the risk of a collision to be imminent the vehicle brakes are applied automatically. (See last image).

First the system applies a moderate braking (pre-brake). If the collision risk is not reduced, then full emergency braking is applied. If there is full braking, the trucks brake lights flash to warn vehicles behind about the sudden braking. This brake light flashing occurs both for automatic emergency braking and manual full braking.

The Emergency Braking, as well as the FCW, is activated each time the vehicle is started and is available at speeds above 10 km/h.

The Emergency Braking system can be manually switched off by using the switch on the instrument panel, though it is highly recommended to only switch it off in a few situations, e.g. Front-mounted accessories, e.g. snow plough.

- A press on the switch deactivates both FCW and Emergency Braking.

The Emergency Braking system is designed to handle more and significantly tougher situations than the UN/ECE requirements, including, in certain circumstances, braking from 80 km/h to a standstill to prevent a collision with stationary vehicles.

**Note:** Several factors can reduce the performance of the Forward Collision Warning with Emergency Braking systems. It is the driver's responsibility to drive safely and remain in control of the vehicle at all times. It is a complementary tool and not a substitute for maintaining a safe travelling distance from the vehicle in front.

### Adaptive Cruise Control



Adaptive Cruise Control adapts and maintains the selected distance to the vehicle ahead.

Adaptive Cruise Control (ACC) is a driver support system that extends the standard Cruise Control. By using a forward-looking sensor, ACC can detect, adjust and maintain a constant time gap (speed dependent distance) to vehicles in front.

If the system does not detect a vehicle in front, then the cruise control holds the truck at a steady speed. If the forward-looking sensor detects a slower moving vehicle in front, ACC reduces the speed and maintains a constant time gap.

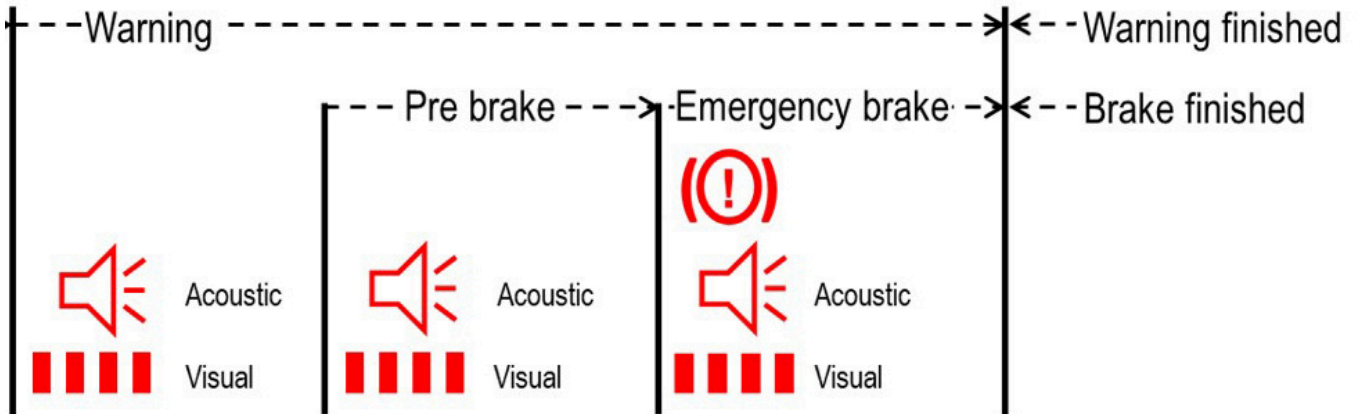
ACC can be engaged from 30 km/h and reactivated from 15 km/h.

ACC should be used mainly when driving on motorways and major roads. ACC only reacts on moving vehicles ahead. As the system only uses partial braking power, it has limited capacity to slow down the truck.

See the Cruise Control fact sheet for more information on ACC cruise behaviour.

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The different steps of the Forward Collision Warning with Emergency Brake. In certain situations, the system may skip steps of the process to respond to the criticality of the situation.