

PARTNERSHIP  
PROGRAM

# AUTONOMOUS EMERGENCY BRAKING (AEB) QUICK FACTS

## Road accidents



AEB is a vehicle safety technology which has the **potential to prevent a crash or reduce the impact speed** of a crash



AEB can **alert the driver** to an imminent crash and help them use the maximum braking capacity of the car



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## How does AEB work?



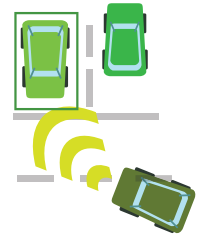
AEB systems use **sensors, radar, laser or cameras** to detect potential collisions with other vehicles, pedestrians or hazards



Most AEB systems will **provide a warning** (audible and/or visual) to the driver and will also **intervene and brake the vehicle automatically** if the driver does not respond

## Types of AEB Systems

- Low speed:** This version targets city driving where crashes often occur at low speeds but can cause debilitating injury such as whiplash injuries. **These systems look for the reflectivity of other vehicles and are not as sensitive to pedestrians or roadside objects.**
- High speed system:** These systems utilise long range radar to scan further ahead of the vehicle (up to 200 metres) at higher speeds.
- Pedestrian systems:** These versions use a camera combined with radar to detect pedestrians through their shape and characteristics. The way in which pedestrians move relative to the path of the vehicle is calculated to determine whether they are in danger of being struck.



## With the introduction of AEB there has been:



**38%** reduction in real world rear end crashes



Est. **20-25%** reduction in fatal crashes



**30%** of all new passenger cars and **20%** of all new SUVs being delivered to the market in Australia are fitted with AEB