

10 automakers equipped most of their 2018 vehicles with automatic emergency braking

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Ten automakers report equipping more than half of the vehicles they produced between September 1, 2017, and August 31, 2018, with automatic emergency braking (AEB), the National Highway Traffic Safety Administration (NHTSA) and the Insurance Institute for Highway Safety (IIHS) announced today. This is the second update of manufacturer progress toward equipping every new passenger vehicle with the crash avoidance technology by September 1, 2022.

The 10 manufacturers include many high-volume automakers such as Honda, Nissan and Toyota. Three manufacturers — Mercedes-Benz, Tesla and Volvo — report 93 percent or higher conformance with the voluntary commitment, with Tesla at 100 percent.

Based on reporting by the 20 manufacturers that made the commitment, about half of the vehicles produced during the period were equipped with AEB. This is an increase from less than a third for the previous year, according to reports that included sales figures for both years. Toyota remains the frontrunner in terms of the total number of vehicles produced with AEB. The automaker equipped 2.2 million (90%) of its 2.5 million vehicles with AEB. Nissan has the second-highest number produced with AEB — 1.1 million (78%) of 1.4 million vehicles. Honda is third-highest with 980,000 (61%) of 1.6 million vehicles produced with AEB.

These data are reported as part of a voluntary commitment by 20 auto manufacturers to equip virtually all new light-duty cars and trucks with a gross vehicle weight of 8,500 pounds or less with a low-speed AEB system that includes forward collision warning (FCW) and crash imminent braking (CIB) to help prevent and mitigate front-to-rear crashes.

Brokered in 2015 by NHTSA and IIHS, the commitment is intended to get the safety technology into the vehicle fleet faster than requiring it via a federal rulemaking. Manufacturers submit yearly progress reports to the public docket until they fully conform to the voluntary agreement. Consumer Reports supported the commitment and agreed to assist in monitoring automaker progress.

“Technologies like automatic emergency braking can help make cars safer on the roads, which means Americans are safer when traveling,” said NHTSA Deputy Administrator Heidi R. King. “This update on the status of the voluntary AEB commitment demonstrates how collaborative approaches to advance safety technology can be an effective way to advance our shared safety goals. Working together, we can reduce crashes and prevent injuries.”

IIHS estimates that the commitment will prevent 28,000 crashes and 12,000 injuries by 2025. AEB systems with both FCW and CIB reduce rear-end crashes by half, while FCW alone reduces them by more than a quarter, IIHS research indicates.

“Getting AEB on the road as soon as possible was the main aim of the commitment, and this latest report shows that a significant proportion of vehicles left the factory with AEB on board,” says David Zuby, executive vice president and chief research officer of IIHS.

NHTSA, IIHS, and Consumer Reports credit manufacturers for honoring the commitment.

“When it comes to being on track for the 2022 targets, most manufacturers are ahead of the curve, but far too many still need to kick their efforts into gear,” says David Friedman, vice president, advocacy for Consumer Reports. “It is also encouraging that more than half of models now come with AEB standard, and a third already have more advanced capabilities like pedestrian detection.”

There is room for improvement. Fewer than 10 percent of vehicles produced during the reporting period by Ford, Mitsubishi and Porsche were equipped with AEB. Jaguar Land Rover didn’t report any vehicles with AEB conforming to the commitment.

According to additional data tracked by Consumer Reports and IIHS, 13 of the 20 manufacturers offer AEB as standard equipment on all trim levels on at least half of their 2019 models. Inclusion as standard equipment ensures all consumers interested in a new vehicle will get this important safety technology.

The participating automakers include Audi, BMW, Fiat Chrysler, Ford, General Motors, Honda, Hyundai, Jaguar Land Rover, Kia, Maserati, Mazda, Mercedes-Benz, Mitsubishi Motors, Nissan, Porsche, Subaru, Tesla Motors, Toyota, Volkswagen and Volvo. These companies represent more than 99 percent of the U.S. automobile market.

For details on the voluntary agreement, reports from manufacturers, and model information, visit the public docket at [regulations.gov](https://www.regulations.gov), docket number NHTSA-2015-0101.

See details for all 20 manufacturers.

	PERCENT OF VEHICLES WITH AEB PRODUCED SEPT. 1, 2017, TO AUG. 31, 2018	PERCENT OF 2019 MODELS WITH STANDARD AEB
	As reported by manufacturer for light-duty vehicles 8,500 lb. or less gross vehicle weight	As compiled by Consumer Reports
Tesla	100	100
Mercedes-Benz	96	89
Volvo	93	100
Toyota/Lexus	90	90

	PERCENT OF VEHICLES WITH AEB PRODUCED SEPT. 1, 2017, TO AUG. 31, 2018	PERCENT OF 2019 MODELS WITH STANDARD AEB
Audi	87	87
Nissan/Infiniti	78	54
Volkswagen	69	50
Honda/Acura	61	59
Mazda	61	67
Subaru	57	50
BMW	49	82
Maserati/Alfa Romeo	27	0
General Motors	24	0
Hyundai/Genesis	18	62
Kia	13	27

	PERCENT OF VEHICLES WITH AEB PRODUCED SEPT. 1, 2017, TO AUG. 31, 2018	PERCENT OF 2019 MODELS WITH STANDARD AEB
Fiat Chrysler	10	0
Porsche	8	17
Ford/Lincoln	6	36
Mitsubishi	6	0
Jaguar Land Rover	0	62

For more information from NHTSA, go to [nhtsa.gov](https://www.nhtsa.gov)

Through enforcing vehicle performance standards and partnerships with state and local governments, NHTSA reduces deaths, injuries and economic losses from motor vehicle crashes.

For more information from IIHS, go to [iihs.org](https://www.iihs.org)

The Insurance Institute for Highway Safety is an independent, nonprofit scientific and educational organization dedicated to reducing the losses — deaths, injuries and property damage — from motor vehicle crashes. The Institute is wholly supported by auto insurers.

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