



# 5-STAR SAFETY RATINGS FOR THE FUTURE



## The National Highway Traffic Safety Administration (NHTSA) 5-Star Safety Ratings Today

- For decades, NHTSA has informed consumers about vehicle safety to help them purchase new vehicles and to encourage manufacturers to continually improve vehicle safety. Today's 5-Star Safety Ratings detail how well a vehicle protects occupants in a frontal or side crash, how well a vehicle resists rolling over, and whether a vehicle has any of the three advanced crash-avoidance technologies that meet NHTSA's performance test measures.
  - Vehicles earn ratings of 1 to 5 stars in frontal crash and side crash performance, as well as in rollover resistance. Vehicles also earn a 1- to 5-Star Overall Vehicle Score rating, which indicates how the individual 5-Star Safety Ratings combine to reflect a vehicle's overall safety.
  - NHTSA currently recommends that consumers consider buying vehicles equipped with Rearview Video Systems, Forward Collision Warning, and Lane Departure Warning technologies.
    - Beginning with Model Year 2018 vehicles, NHTSA recommends Automatic Emergency Braking technology to consumers as well.
  - 5-Star Safety Ratings and other vehicle safety information may be found on [Safercar.gov](https://www.safercar.gov).

## 5-Star Safety Ratings for the Future

More and improved information means the 5-Star Safety Ratings will tell consumers even more about a vehicle's safety while further encouraging manufacturers to improve the safety of their vehicles.

### **New:**

- A frontal oblique crash test that simulates a type of crash that continues to result in deaths and serious injuries despite seat belt use, air bags, and crashworthy structures of late-model vehicles.
- Use of a 5<sup>th</sup> percentile female dummy in a full frontal crash test to enhance safety for rear-seat occupants.
- New crash test dummies that provide information on chest, abdomen, lower spine, and brain injuries will be added to help determine 5-Star Safety Ratings.
- A pedestrian 5-Star Safety Rating will be based on tests that determine how well vehicles minimize injuries and fatalities to pedestrians. The rating will reflect whether or not a vehicle is equipped with—and the performance of—Frontal Pedestrian Automatic Emergency Braking and/or Rear Automatic Braking systems.
- A rating for crash avoidance and advanced technology systems based on whether or not a vehicle is equipped with one or more of the selected technologies and the performance of



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those technologies:

- Forward Collision Warning and Automatic Emergency Braking (AEB) in the form of Crash Imminent Braking (CIB) and/or Dynamic Brake Support (DBS) to help prevent rear-end crashes;
- Lower beam headlights, semi-automatic headlamp beam switching, and amber rear turn signal lamps to improve driving-related visibility; and
- Lane Departure Warning and Blind Spot Detection to enhance driver awareness.
- Frontal crash tests – NHTSA plans to use the THOR 50<sup>th</sup> percentile male dummy with advanced instrumentation to better predict injuries to various areas of the body in frontal crashes.
- Side crash tests – NHTSA plans to use the WorldSID 50<sup>th</sup> percentile male dummy in the front seat for side crash tests. This dummy exhibits a more human-like response to various types of side crashes.
- A vehicle's rollover resistance will be part of the crash avoidance rating using updated criteria.