This pamphlet summarizes the results of the FY2020 evaluation of the overall safety performance of new vehicles on the market.

Please use this pamphlet as a guide to choosing a safer car.

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The Japan New Car Assessment Program conducted by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) and the National Agency for Automotive Safety & Victims’ Aid (NASVA) promotes car safety through the following activities:
- Promoting the development of safe cars by manufacturers committed to a high standard of safety performance.

MLIT · NASVA

Crash test
Collision damage reduction brake test

Establishing a cycle to promote safer cars

How drivers benefit
Car user can buy safer cars based on evaluation results.

How manufacturers benefit
Automobile manufacturers are guided to improved safety performance of their products based on evaluation results.

Evaluation Technologies for Vehicle Safety Performance in FY2020

Technologies to protect people in crashes (Collision Safety Performance)
Technologies to protect driver, vehicle occupants, and pedestrians in event of an accident, evaluated by a combination of tests duplicating vehicle and barrier impacts and vehicle and human-body impacts.

[Evaluation items for collision safety performance]

<Technology to protect the occupants of a car>
- Full frontal collision (Frontal collision)
- Offset frontal collision (Partial collision with an oncoming vehicle)
- Side collision
- Electric shock protection performance after collision
- Performance for neck-injury protection in a rear-end collision
- Passenger Seat Belt Reminder (PSBR) Evaluation

<Technology to protect pedestrians>
- Pedestrian head protection performance
- Pedestrian leg protection performance
New technologies to avoid crashes  (Preventive Safety Performance)
An extensive range of preventive safety technologies are evaluated to assist the driver; driver alerts and automatic braking to preclude a collision are examples.

[Evaluation items for preventive safety performance]

- Autonomous Emergency Braking System (AEBS)
  - Rear-end Collision with a vehicle in front
  - Collision with a pedestrian in front during the day
  - Collision with a pedestrian in the front at night (with or without street lamp)
- Lane Departure Prevention System (LDPS) (prevents straying onto the oncoming traffic lane)
- Rear-view monitoring system (allows rear-view monitoring when reversing)
- High-performance headlights (This function automatically switches between the high-beam and low-beam illumination range of headlights)
- Pedal misapplication prevention (reduces acceleration due to pedal misapplication when starting)

Technology to prepare for serious accidents (automatic emergency notifications in serious accidents)
The program evaluates systems that provide automatic accident notifications on behalf of the driver or a witness in serious accidents, such as cases involving vehicle airbag deployment.

Flow of automatic emergency notifications in case of an accident

Refer to our Web page for details

JNCAP  Search
How to Read the Evaluation Results of Vehicle Safety Performance 2020

1. **Overall evaluation**
The star rating system ranks vehicle safety performance on a scale of one to five stars. The higher the number of ★, the higher is the overall safety performance ranking. The percentage indicates the score ratio to the full score when all the scores for collision safety performance, preventive safety performance, and automatic emergency call system for accidents are totaled. The full score is 190.

2. **FIVE STAR BEST AWARD**
This safety assurance is awarded to models that receive the highest test score among ★★★★★ models in the overall evaluation for FY2020.

3. **FIVE STAR AWARD**
This award is given to models receiving the highest rating (★★★★★) in the overall evaluation for FY2020.

4. **Collision Safety**
The five-point scale from A to E is used based on the total score of the collision safety performance evaluation. The percentages indicate the score ratio to the full score. The full score is 100 points.

5. **Preventive Safety**
The scores are indicated in a five-level ranking, from A to E, based on the total score of the preventive safety performance evaluation. The percentages represent the score ratio to the full score. The full score is 82.

6. **Automatic Accident Emergency Call System**
This evaluation indicates the presence or absence of a function that automatically reports occurrence of an accident. The percentages indicate the score ratio to the full score.

- **Basic type** (2 points): Automatic emergency notification of the occurrence of an accident
- **Advanced type** (8 points): In addition to the basic notification, this type transmits information pertaining to predicted occupant injury.

* If the device is "non-conforming to the safety standard", it does not support the standard currently applied sequentially when equipping the device; however, it does provide "safety standard" device functionality.
Evaluation Results of Vehicle Safety Performance 20

To view detailed test results and test videos, please visit our Web site.

SUBARU LEVORG

Overall evaluation

98%

FY2020

186.91/190 points

Collision Safety
Preventive Safety
Automatic Accident Emergency Call System
A-rank
A-rank
Advanced type
96% 96.91/100 points 100% 82.00/82 points 100% 8/8 points

TOYOTA HARRIER

Overall evaluation

93%

FY2020

177.68/190 points

Collision Safety
Preventive Safety
Automatic Accident Emergency Call System
A-rank
A-rank
Advanced type
87% 87.68/100 points 100% 82.00/82 points 100% 8/8 points

NISSAN DAYZ / DAYZ Highway STAR

Overall evaluation

92%

FY2020

175.72/190 points

Collision Safety
Preventive Safety
Automatic Accident Emergency Call System
A-rank
A-rank
Advanced type
88% 88.60/100 points 96% 79.12/82 points 100% 8/8 points

TOYOTA YARIS CROSS

Overall evaluation

92%

FY2020

175.70/190 points

Collision Safety
Preventive Safety
Automatic Accident Emergency Call System
A-rank
A-rank
Advanced type
86% 86.30/100 points 99% 81.40/82 points 100% 8/8 points

Honda FIT

Overall evaluation

91%

FY2020

174.40/190 points

Collision Safety
Preventive Safety
Automatic Accident Emergency Call System
A-rank
A-rank
Advanced type
Non-conforming to the safety standard
87% 87.28/100 points 96% 79.12/82 points 100% 8/8 points

TOYOTA YARIS

Overall evaluation

91%

FY2020

173.41/190 points

Collision Safety
Preventive Safety
Automatic Accident Emergency Call System
A-rank
A-rank
Advanced type
87% 87.35/100 points 95% 78.06/82 points 100% 8/8 points
Preventive safety technologies that assist the driver are not fail-safe technologies. Although it is unlikely that these technologies will fail under normal use, some conditions and surroundings of vehicle operation may have a counteracting effect on their performance. Carefully read all relevant instruction manuals, always drive safely, and as a further safeguard use good judgement in the deployment of such systems.
Outline of the Comprehensive Evaluation

Prior to fiscal year 2019, collision safety performance and preventive safety performance were evaluated separately. Since fiscal year 2020, these performance criteria have been evaluated comprehensively as a collective unit to provide vehicle owners with “Vehicle Safety Performance” information that is more readily understood.

For more information about the evaluations, please visit our Web site.

Collision Safety Performance (Total maximum score of 100 points)

<table>
<thead>
<tr>
<th>Evaluation results</th>
<th>Total score for collision safety performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-rank</td>
<td>84.63 points or more</td>
</tr>
<tr>
<td>B-rank</td>
<td>71.89 or more and under 84.63 points</td>
</tr>
<tr>
<td>C-rank</td>
<td>59.07 or more and under 71.89 points</td>
</tr>
<tr>
<td>D-rank</td>
<td>46.33 or more and under 59.07 points</td>
</tr>
<tr>
<td>E-rank</td>
<td>Under 46.33 points</td>
</tr>
</tbody>
</table>

The total of each evaluation determines performance positioning in a five-level system of ranking. An individual evaluation falling below a certain level, rules out classification as an A ranking (the highest evaluation result).

Preventive Safety Performance (Total maximum score of 82 points)

<table>
<thead>
<tr>
<th>Evaluation results</th>
<th>Total score for preventive safety performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-rank</td>
<td>66.40 points or more</td>
</tr>
<tr>
<td>B-rank</td>
<td>47.92 or more and under 66.40 points</td>
</tr>
<tr>
<td>C-rank</td>
<td>31.68 or more and under 47.92 points</td>
</tr>
<tr>
<td>D-rank</td>
<td>15.76 or more and under 31.68 points</td>
</tr>
<tr>
<td>E-rank</td>
<td>Under 15.76 points</td>
</tr>
</tbody>
</table>

The total of each evaluation determines performance positioning in a five-level system of ranking. An individual evaluation falling below a certain level, rules out classification as an A ranking (the highest evaluation result).

Comprehensive Evaluation

<table>
<thead>
<tr>
<th>Evaluation results</th>
<th>Total score for collision safety and preventive safety</th>
</tr>
</thead>
<tbody>
<tr>
<td>★★★★★</td>
<td>151.03 points or more</td>
</tr>
<tr>
<td>★★★★</td>
<td>119.81 or more and under 151.03 points</td>
</tr>
<tr>
<td>★★★</td>
<td>90.75 or more and under 119.81 points</td>
</tr>
<tr>
<td>★★</td>
<td>62.09 or more and under 90.75 points</td>
</tr>
<tr>
<td>★</td>
<td>Under 62.09 points</td>
</tr>
</tbody>
</table>

The number of ★ is determined by the sum of the overall scores for collision safety performance and preventive safety performance.

* Requirements for a ★★★★★ ranking
A vehicle must have the highest ranking (A-ranking) in collision safety performance evaluation, the highest ranking in the preventive safety performance evaluation, and must be equipped with an automatic accident emergency notification system to receive a five-star ranking.
We are an agency specializing in automotive safety and victim’s aid

The National Agency for Automotive Safety and Victim’s Aid (NASVA) is the main body that implements national projects funded by gains on management of premiums for compulsory automobile liability insurance and mutual-aid programs. NASVA performs the three integrated functions of supporting accident victims, preventing car accidents, and protecting people from car accidents.

What is the National Agency for Automotive Safety & Victims’ Aid (NASVA)?

The National Agency for Automotive Safety & Victims’ Aid carries out the following functions in order to prevent car accidents and support the victims of these accidents, promoting the concept of better motorization life.

Support activities for accident victims
- Establishment/operation of custodial care facilities
- Provision of fees for care
- Provision of costs for development of children orphaned by traffic accidents

Preventing car accidents
- Traffic safety instruction programs
- New Car Assessment Program

Protecting from car accidents
- Traffic accident victims’ hotline
- Safety management

Provision of safety information
- Support accident victims
- Safety management

Frontal collision test and usability assessment tests have been conducted on commercially available child-seats and their results have been published as safety performance evaluations. We hope you utilize this brochure to choose a safer child-seat for your precious child.

Test images are available on our website

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