



DAIHATSU



September 29, 2014  
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## Daihatsu Reveals Technical Overview of New Mini Passenger Car Model

Daihatsu Motor Co., Ltd. (hereafter Daihatsu) has revealed the technical overview of the new mini passenger car model to be released in November 2014. The new mini car is currently under development based on the Deca Deca, which was exhibited as a concept car at the Tokyo Motor Show in 2013.

Daihatsu is developing a new category of mini cars with versatile uses, including leisure as well as daily transportation, with a focus on the greater potential of mini cars to provide added value according to the vehicle characteristics based on their essence.

The design of the car is surprising: it includes Ultra Space, which means that it is the most roomy of all existing mini cars,<sup>\*1</sup> and Fine Vision for ensuring a good view while seated.

The new mini passenger car employs the following new technologies:

### Ultra Space, the most roomy of mini cars<sup>\*1</sup>

- ◆ The largest interior space of all mini cars has been achieved, with a total height of 1,835 mm.
- ◆ The height of the interior is 1,455 mm, the highest of all mini cars.<sup>\*2</sup>

### Fine Vision for a good view while seated

- ◆ The level of the driver's eye line is set to 1,387 mm<sup>\*3</sup> to achieve an easy-to-drive mini car.

### Fun & Relax Drive Concept for safe, secure basic performance without noticing the height

- ◆ The vehicle offers high stability and high ride quality despite its total height of 1,835 mm.
- ◆ Employment of an aerodynamic fin for boosting straight line stability.
- ◆ Prevention of elevation of center of gravity by saving weight.

### Miracle Luggage for the outstanding usability of the car trunk

- ◆ Installation of an under trunk that can accommodate a large amount of luggage.
- ◆ Installation of a sliding lever on the back of the rear seat, and the employment of water-repellent-coated seats.
- ◆ Substantial storage on and around the instrument panel.

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\*1: Based on an investigation by Daihatsu as of September 2014 (length × width × height of the interior space)

\*2: Based on an investigation by Daihatsu as of September 2014

\*3: This level is a result of a simulation using a JM50 ordinary Japanese male dummy with a height of 170 cm

## **\*Technical overview of the new mini passenger car\***

### The most roomy of all compact cars

- ◆ The largest interior space of all mini cars has been achieved, with a total height of 1,835 mm.
  - The total height of 1,835 mm and the height of the interior of 1,455 mm allow four adults to be seated comfortably. Adults won't feel uncomfortable when changing their clothes for a leisure activity.
  - The distance from the ground to the top of the door opening is 1,700 mm: children can simply step into the car, and adults and elderly people do not have to bend down when getting into the car.

### Fine Vision for a good view while seated

- ◆ The level of the driver's eye line is set to 1,387 mm to achieve an easy-to-drive compact car.
  - A good view is achieved as a result of the pursuit of an easy-to-drive compact car. You will notice it as soon as you sit in the car. The driver has a good view that reaches far and wide enough to provide a large amount of information and enable driving without difficulties.
  - The beltline is designed to be optimally positioned so that the driver feels securely held and protected within the car, providing reassurance while driving on high-speed roads.

### Fun & Relax Drive Concept for safe, secure basic performance without noticing the height

- ◆ The vehicle offers high stability and high ride quality despite its total height of 1,835 mm.
  - To achieve the total height of 1,835 mm, the suspension and body structure have evolved, and highly stable steering and high ride quality have been materialized in such a way that the driver will not notice the height. An extremely quiet car interior has been achieved to create a sophisticated environment within the car.
  - The rigidity has been increased to improve stability by upsizing the front shock absorber rod and rear shock absorber. In addition, secure travelling performance has been achieved by suppressing rolling through the employment of urethane bump springs and the standard equipment of a stabilizer, while the steering stability and high ride quality have been fused at high levels.
  
- ◆ Employment of an aerodynamic fin for increasing straight line stability
  - For the first time ever, an aerodynamic fin has been introduced to a Daihatsu model, with a focus on airflow. This has improved the straight line stability.
  
- ◆ Prevention of elevation of center of gravity by saving weight
  - The weight of the components installed above the center of gravity has been reduced through the optimization of the thickness of boards such as the roof panel, and the employment of resin for the outer panel. Although the total height is 85 mm higher than that of the Tanto, the increase in the height of the center of gravity has been minimized to about 10 mm.

### Miracle Luggage for the outstanding usability of the car trunk

- ◆ Installation of an under trunk that can accommodate a large amount of luggage
  - The high capacity under trunk (approximately 90 l) can store two cartons each containing twenty-four 350-ml cans of beer. Long articles can be placed in the under trunk because of the tall interior space, such as an unfolded buggy upright, without the need to collapse the rear seats.
  
- ◆ Installation of a sliding lever on the back of the rear seat, and the employment of water-repellant-coated seats
  - User-friendliness has been improved by installing a sliding lever that can slide the rear seat from the car trunk.
  - Full-fabric seats with water-repellant cloth are used. The back of the rear seat is covered in vinyl chloride to facilitate the removal of water and dirt by wiping.
  
- ◆ Substantial storage on and around the instrument panel
  - A large storage compartment (6.6 l) is installed in front of the front passenger seat for the storage of a single-lens reflex camera, a tablet computer and other items.
  - The usability has been further upgraded by employing variously sized storage pockets, including a lower pocket at the center of the instrument panel and a box under the front passenger seat.

For reference:

Daihatsu's official home page will launch a special website for the new mini passenger car on October 1.

URL of the website: <http://www.daihatsu.co.jp/ultraspace>