



DAIHATSU

**Press
Information**

December 20, 2012

Move – mini passenger vehicle from Daihatsu

Achieves a class-leading^{*1} fuel efficiency of 29.0 km/L^{*2}

**Improves on basic performance and equipped with the first
crash-avoidance support system for a mini vehicle^{*3}**



MOVE X 'SA'



MOVE CUSTOM RS

Daihatsu Motor Co., Ltd. greatly improved on its Move mini passenger vehicle, which enters the market nationwide on Thursday, December 20. This latest upgrade comes with an exceptionally major improvement that offers dramatic advances in fuel efficiency, basic performance, safety features and design.

Daihatsu also made changes to the Move Front Seat Lift, a feature in the Friendship welfare vehicle series.

The latest Move is equipped with the second edition of e:S Technology, which made advances in fuel efficiency and affordability, essential factors of a mini vehicle as developed in the Mira e:S released last year. It also improved on its basic performance under the concept of "Fun & Relaxing Drive." Together with the addition of Smart Assist, an advanced crash-avoidance assist system, the car embodies all that Daihatsu envisions in its manufacturing of automobiles.

Some features of the new Move are:

- 1) Achieves class-leading fuel efficiency of 29.0 km/L through exhaustive improvements on existing technology and at an affordable price
- 2) Drastically improves on basic performance, achieving reassuring drive performance, comfortable ride, and quality interior
- 3) At an affordable price is equipped with advanced devices such as the first crash-avoidance assist system for a mini vehicle
- 4) Comes in a design that offers presence and reassurance

*1: Mini passenger vehicles with total height over 1,550 mm; as of December 2012, based on Daihatsu survey

*2: On 2WD models, excluding turbo engine models

*3: As of December 2012, based on Daihatsu survey

Monthly sales target for Japan is 12,000 units. The manufacturer's suggested retail price ranges from 1.070 million yen to 1.371 million yen for MOVE and from 1.300 million yen to 1.551 million yen for MOVE CUSTOM. (excluding consumption tax)

Vehicle Outline

Ecology

Achieves class-leading fuel efficiency of 29.0 km/L

'e:S Technology' is comprised of three elements: power train advancements, vehicle body advancements, and energy management. The second edition of 'e:S Technology' particularly sought energy management through comprehensive thermo- (heat) management to improve on fuel efficiency, and achieves the highest fuel efficiency in its vehicle class.

More advanced second edition of e:S Technology thoroughly pursues thermo- (heat) management

Energy Management

-First mini vehicle to use CVT Thermo Controller

The first CVT (continuously variable transmission) Thermo Controller ever to go in a mini vehicle mutually optimizes the engine and CVT temperatures to heighten combustion efficiency and motion transfer efficiency, and to improve fuel efficiency.

-Optimizes fuel injection and speed control in accordance with temperatures optimized under the CVT Thermo Controller

-Optimizes combustive state with i-EGR and by controlling ignition timing per cylinder

-Leads wind smoothly into the engine housing and improves on combustion efficiency by controlling thermal expansion of intake

-Advancements made for the new Eco Idle feature that stops the engine when car speed drops to 9 km/h or lower after the brakes are pressed

Power train advancements

-Improved fuel efficiency by achieving lower viscosity of CVT fluid and higher gears in gearbox

Vehicle body advancements

-Reduced resistance during motion through improvements in aerodynamics and by lowering vehicle height owing to change in design

Class-leading fuel efficiency now subject to tax exemption under the New Eco-car Tax Reduction Act

- Achieves class-leading fuel efficiency of 29.0 km/L on 2WD automobiles (excluding turbo-charged automobiles)
- Now subject to tax exemption under the New Eco-car Tax Reduction Act^{*4}

Economy

Achieves low price starting at 1.07 million yen through continued cost-reduction efforts

Sustained cost-reduction efforts for lowering costs of parts and revising purchasing methods

- Reduction efforts have been taken from the standpoint of improving essential design, asking: "Is the structure principally correct?" "Are we getting full potential from the materials?" and "Can't we create this more inexpensively by being more creative in how we design or manufacture?" Cost reduction efforts are taken beyond functional boundaries, in design developments that take the above perspectives into account and from parts design that considers production conditions. Exhaustive revision of part allocation, shape and material selection lead to better drawings in terms of quality and cost, and achieve reductions in the amount of parts and cost reduction owing to lighter weight.
- Improvements in essential design reduce cost, and strenuous pursuit of product appeal suited to the product traits will heighten product appeal and achieve lower cost.

*4: All vehicles except turbo-powered 4WDs.

Performance

Dramatically improves on basic performance, achieving assuring drive performance, comfortable ride, and quality interior

"Fun & Relaxing Drive" Concept

- Equipped with front stabilizers on all models and rear stabilizers on all 2WD models. Dramatically reduced body roll, sustaining stable body position
- Uses low-down suspension on all models to achieve stable driving performance. Allows for a relaxing driving experience even on expressways.
- Reduced bush spring constant to lessen vibrations from the road surface. Improvements in roll stiffness stabilize the body position during roll, while an optimized front-rear roll stiffness ratio improves on the linear feeling during steering. Exhaustive improvements in chassis parts heighten the riding comfort.
- Improvements in performance of the Dash Inner Silencer and optimized allocation of sound insulator materials drastically improve quietness.
- Revisions in various areas, including reduction in clanking noise owing to revision of the engine starter gears and enlargement of muffler capacity improve quietness from ignition to acceleration, achieving quality interior that users feel from the moment they enter the car.

Safety

Equipped with the first crash-avoidance assisting system for a mini vehicle^{*5}

Smart Assist crash-avoidance assist system

(1) Brakes that assist low-speed crash avoidance

Laser Radar identifies the vehicle in front when driving at speeds of approximately 4-30 km/h. A buzzer alerts the driver of a high risk of crash and an indicator is displayed within the meter. If the driver still fails to steer or brake and the risk of a crash is heightened to an extreme level, it activates emergency brakes. This will avert a crash when relative speed is around or below 20 km/h, or assist in reducing damage at approximately 20-30 km/h.

(2) Gas pedal misoperation control

When the car is at a standstill or moving at around or below 10 km/h, and an obstacle (building or wall) ahead is within four meters, the system will alert the driver with a buzzer sound and meter indication when it judges that the gas pedal has been depressed more than necessary due to driver error, and restrict vehicle motion by controlling the engine output. Engine output control will continue for up to eight seconds while the gas pedal is activated.

(3) Informs of motion of vehicle in front

When the car is at a standstill at a stoplight or in traffic with a vehicle in front, the system notifies the driver with a buzzer sound and meter indication when the car remains still after the car in front moves.

(4) VSC and TRC

In addition to the standard ABS (with EBD [electronic brake force distribution] function) feature, all models are equipped with TRC (traction control) that prevents drive wheels from slipping upon acceleration, and VSC (vehicle stability control) that combines skidding control during turns. These features secure vehicle stability in sudden steering operations and when turning on slippery roads.

^{*5}: Standard feature on L"SA," X"SA," Custom X"SA," Custom X "Limited SA"

The Smart Assist system assumes safe driving on the customer's part. Do not rely on Smart Assist; drive safely.

Smart Assist's brake system that assists low-speed crash avoidance activates when the risk of crash with a preceding car heightens when moving at approximately 4-30 km/h, and attempts to avert a crash by stopping automatically or slowing down, or to reduce the damage from a crash.

The system may activate when faced with other subjects such as a two-wheeled vehicle, pedestrian, light pole or wall, but it is not intended for avoiding crashes with these subjects.

The system may not activate when the driver operates the vehicle to avoid a crash, or under certain road or weather conditions.

Design

Renewed front face and panel design

○Exterior

Move: Simple-and-smart Square Style, with greater reassurance

-Raised the hood tips and made the square headlights and grill bumpers into a single block unit to express "simple and reassuring." The new, simple and voluminous front face expresses a sense of reassurance.

Move Custom: Innovative Sports Style, with presence and premium appearance

-The first time a mini gasoline automobile is equipped with four-bulb LED headlights; raising the level of presence and sophistication

-Located the directional and fog lamps within the large plated grill and bumper as characteristic icons, upgrading the car to express greater presence. Now comes with a new color option: tungsten gray metallic.

oInterior

Move & Move Custom: Quality and Spacious, an interior with improved usability

-Renewed panel design, locating the meters in front of the driver seat and improving usability.

-The two-tone panel on the Move with beige accenting creates refined comfort. Self-lit meters with larger-sized typeface improve visibility.

-The black-based interior of the Move Custom creates a premium ambience, accentuated by black and silver decorations on the audio panel. Also comes equipped with a self-lit, three-eyed meter that exudes a quality feel with plated rings and 3D indexes.

Utility

Comfort/convenience features for handling any scenario

Sufficient storage and new driver-supporting features that offer a comfortable driving experience

-Enhanced storage around the front panel to heighten usability. The open tray in the front passenger seat can hold a thin tissue box so the tissues can be pulled upward.

-All models are equipped with Auto-off Headlights that prevent battery run-outs that occur when neglecting to turn off the headlights.

-Keyless Battery Alert located within the meter notifies of low battery level in the card key with a flashing warning light when replacement is near. (All models except L, L"SA")

-All models are equipped with Speed-Responsive Front Windshield Wipers that automatically adjust wiper intervals based on the vehicle speed, offering greater driving convenience in the rain.

A new Memory Navigation^{*6} system promptly lets the driver know of the vehicle's condition.

-The "Malfunction/Alert Display" function works with the alert lights within the meter to display the alerts on the navigation monitor. It reports half-open doors and unreleased foot brakes. It also displays vehicle malfunctions on the navigation monitor.

-"Fuel Indicator-Reactive Gas Station Search" works with the meter's fuel indicator to alert the driver of low fuel on the navigation monitor and point out the nearest gas station.

-"iPod & USB Compatibility" allows the user to connect an iPod or USB and operate devices on the navigation monitor.

*6: Standard feature on Custom X "Limited," Custom X "Limited SA"; manufacturer option on X, X"SA," and Custom RS.