

EXTERIOR APPEARANCE

Front View



278MO13

Rear View



278MO14

MODEL CODE

MHU38 R – A W X G K W

1 2 3 4 5 6 7 8

MO

1	BASIC MODEL CODE
	MHU38 : 3MZ-FE 4WD

5	GEAR SHIFT TYPE
	X : Automatic, Floor

2	STEERING WHEEL POSITION
	L : Left-Hand Drive R : Right-Hand Drive

6	GRADE
	G : Standard

3	MODEL NAME
	A : RX400h

7	ENGINE SPECIFICATION
	K : DOHC and SFI

4	BODY TYPE
	W : Wagon

8	DESTINATION
	W : Europe

MODEL LINE-UP

Destination	Drive Type	Engine	Transaxle	Model Code
Europe	4WD	3MZ-FE	P310	MHU38R-AWXGKW
				MHU38L-AWXGKW

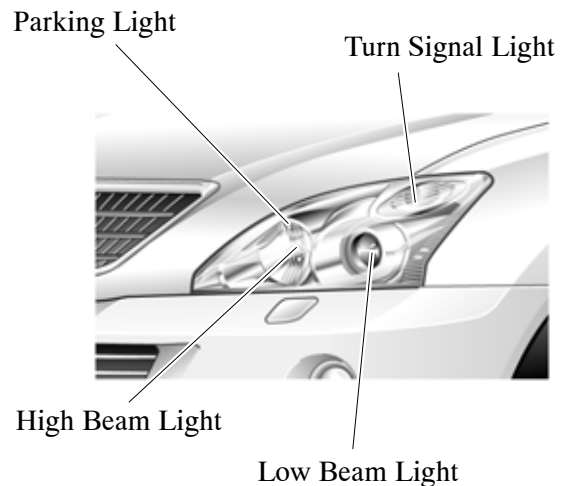
EXTERIOR

Front View

- The engine hood has been designed with an image of wings and the headlights have been designed with a sharp, hawk-like look to express powerfulness and speed.
- A radiator grille that consists of vertical and horizontal lines is provided on the engine hood, and a large opening is provided in the center of the front bumper. These designs give the vehicle a powerful and sporty look.
- Round, projector type fog lights are used on the front bumper to ensure visibility under poor weather conditions.



278MO15



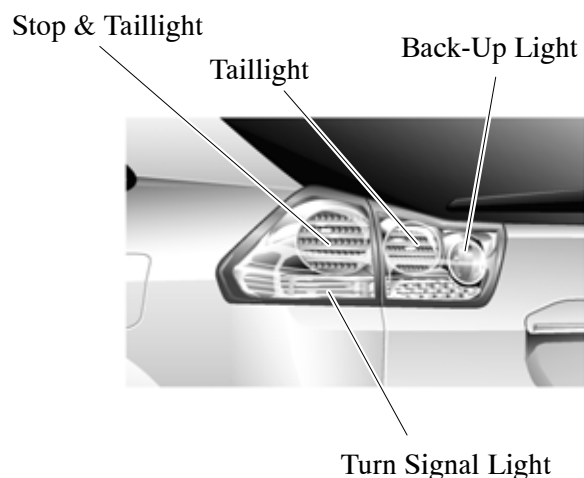
278MO16

Rear View

- The streamlined configuration in which the bottom of the window comes in contact with the rear combination lights and the downward expansion of both lights express the vehicle's powerfulness and stability.
- The rear combination lights express innovation and luxury through the use of transparent lenses and LEDs (Light Emitting Diodes). In addition, the LEDs have been designed so that they are located on the entire surfaces of the stoplights and taillights.



277MO05



277MO06

Side View

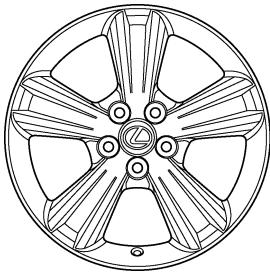
- The side view has an identity form that makes the new-generation LEXUS RX400h recognizable even from afar.
- The belt line that sweeps from the slanted front nose to the rear gives the vehicle a powerful flow.
- The wheel arches express the powerfulness of the SUV (Sports Utility Vehicle) and the anticipation of its on road driving performance in a stylish manner.

MO



278MO17

Tire & Disc Wheel

Tire	Size	P235/55R18
Disc Wheel	Size	18 × 7J
	Material	Aluminum
	P.C.D.*	114.3 mm (4.5 inch)
	Off Set	35 mm (1.4 inch)
Design		

277MO08

*: Pitch Circle Diameter

Exterior Color List

Color No.	Color Name	Color No.	Color Name
062	White Pearl Crystal Shine	1C0	Silver Metallic
1E0	Dark Gray Mica	202	Black
4R4	Beige Mica Metallic	6T1	Light Olive Mica Metallic
8R7	Dark Blue Mica Metallic		

INTERIOR

Instrument Panel

- The two-tone (metallic and black) center cluster adds to the luxurious look of the interior.
- Aluminum panels have been provided in the various areas of the instrument panel and center console to achieve a sporty design.
- A sporty and luxurious interior has been achieved through the use of a combination of a gate type shift lever and the expanded application of aluminum made panels.
- The airbag door for the front passenger has been made invisible to realize a streamlined look.

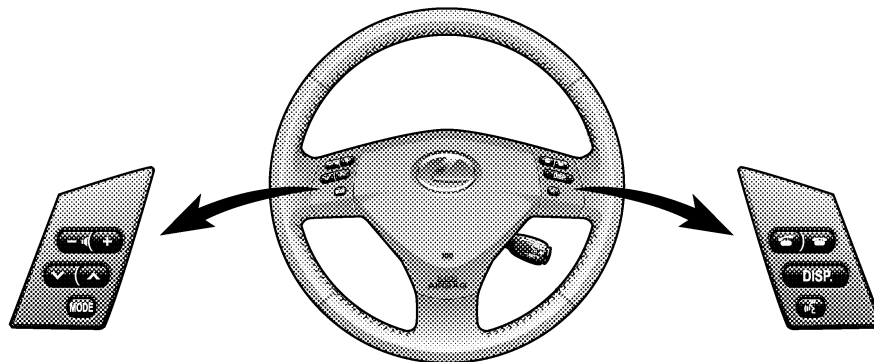
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277MO09

Steering Wheel

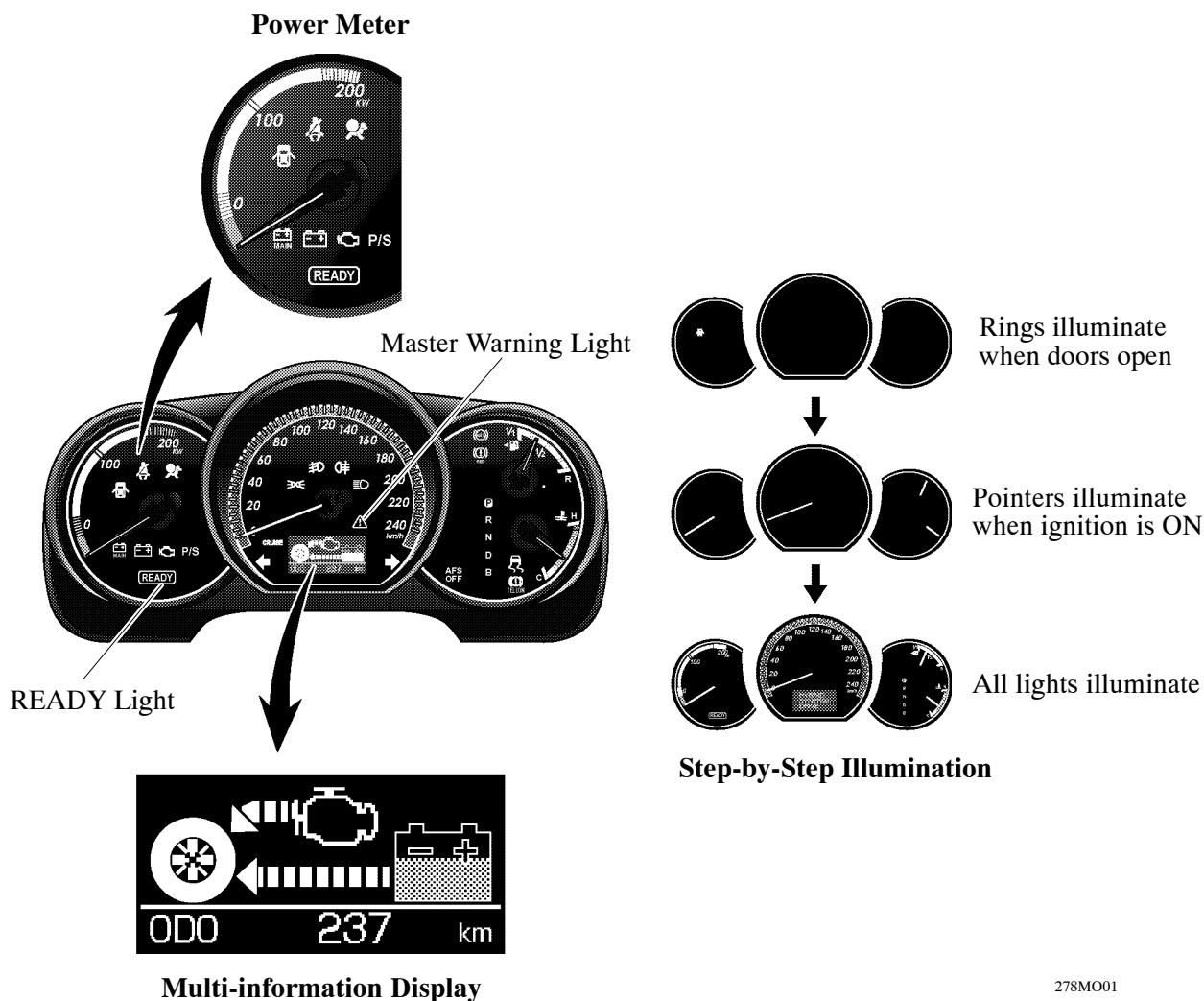
- A 3-spoke leather type steering wheel is used.
- Audio switches, voice recognition switch, telephone switch, multi-information mode switch, and cruise control switch have been functionally located on the steering wheel to enhance convenience and ease of use.



278MO10

Combination Meter

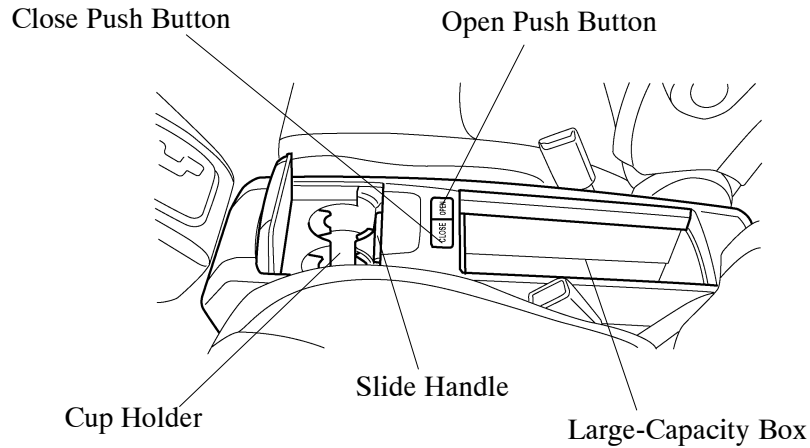
- The combination meter is a unique, triple-dial type. It expresses both sportiness and powerfulness.
- A luminous ring is provided around each dial for an innovative look.
- A step-by-step illumination function welcomes the entry of the user.
- A power meter that indicates the total of the engine output and motor output is used.
- A multi-information display that indicates cruise information, energy monitor, etc., is used.



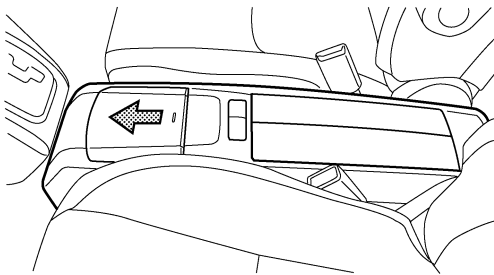
Console Box

- A slide type console box is used. This gives walk-through access at the front seats, thus enhancing convenience.
- For ease of use, a new type of mechanism that opens and closes the console box door with the touch of a button is used.
- A large cup holder has been provided at the front end of the console to accommodate one extra-large size beverage cup or two large-size beverage cups.

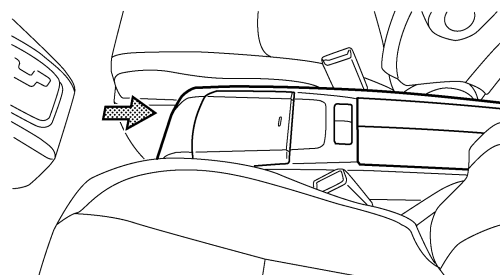
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**Forwardmost Position**

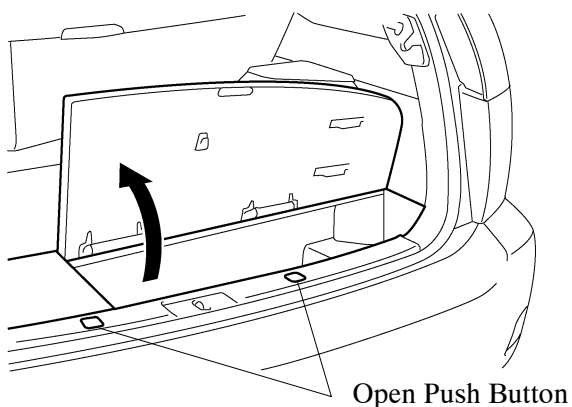
241MO21

**Rearmost Position**

241MO22

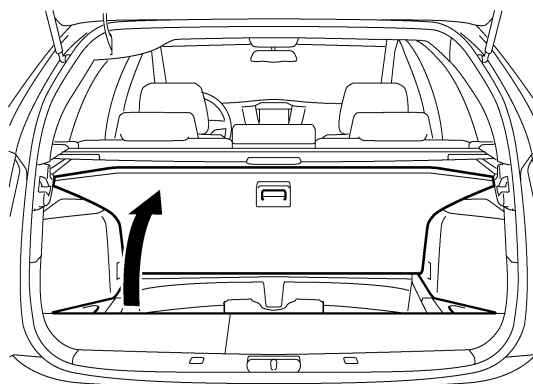
Luggage Room

The following new mechanisms have been included to significantly improve its utility and ease of use.



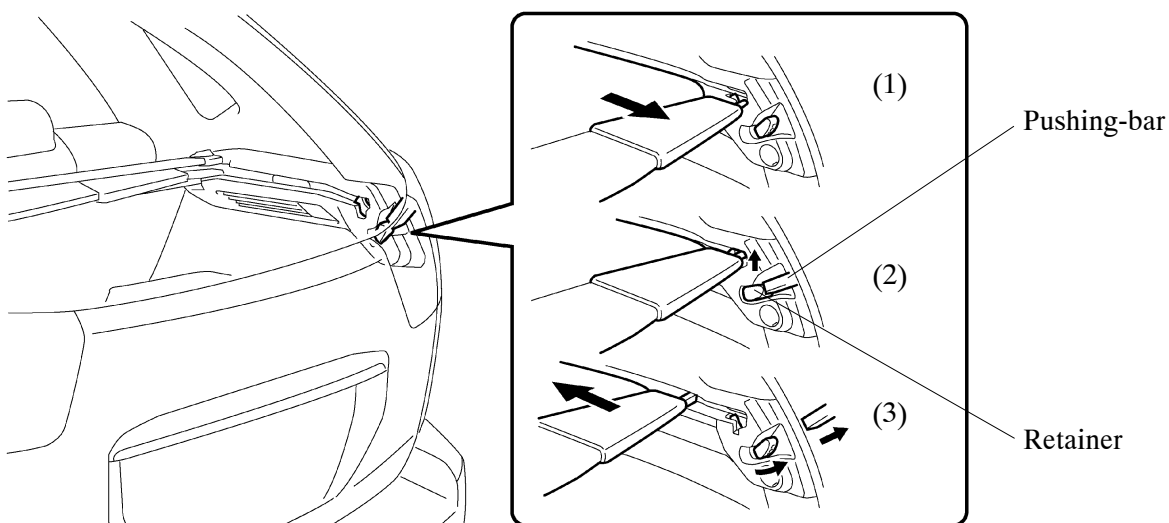
241MO26

Push-Open Deck Board



241MO25

Large Deck Under Tray



241MO24

Auto Retract Tonneau Cover

- (1) : Pull out the tonneau cover and set up the cover before closing the back door.
- (2) : By closing the back door, the pushing-bar located on the back door pushes and rotates the retainer to lock the tonneau cover, and the auto retract mechanism is set.
- (3) : The tonneau cover is retracted when the back door is opened. The retainer is returned to position and the tonneau cover is released to retract.

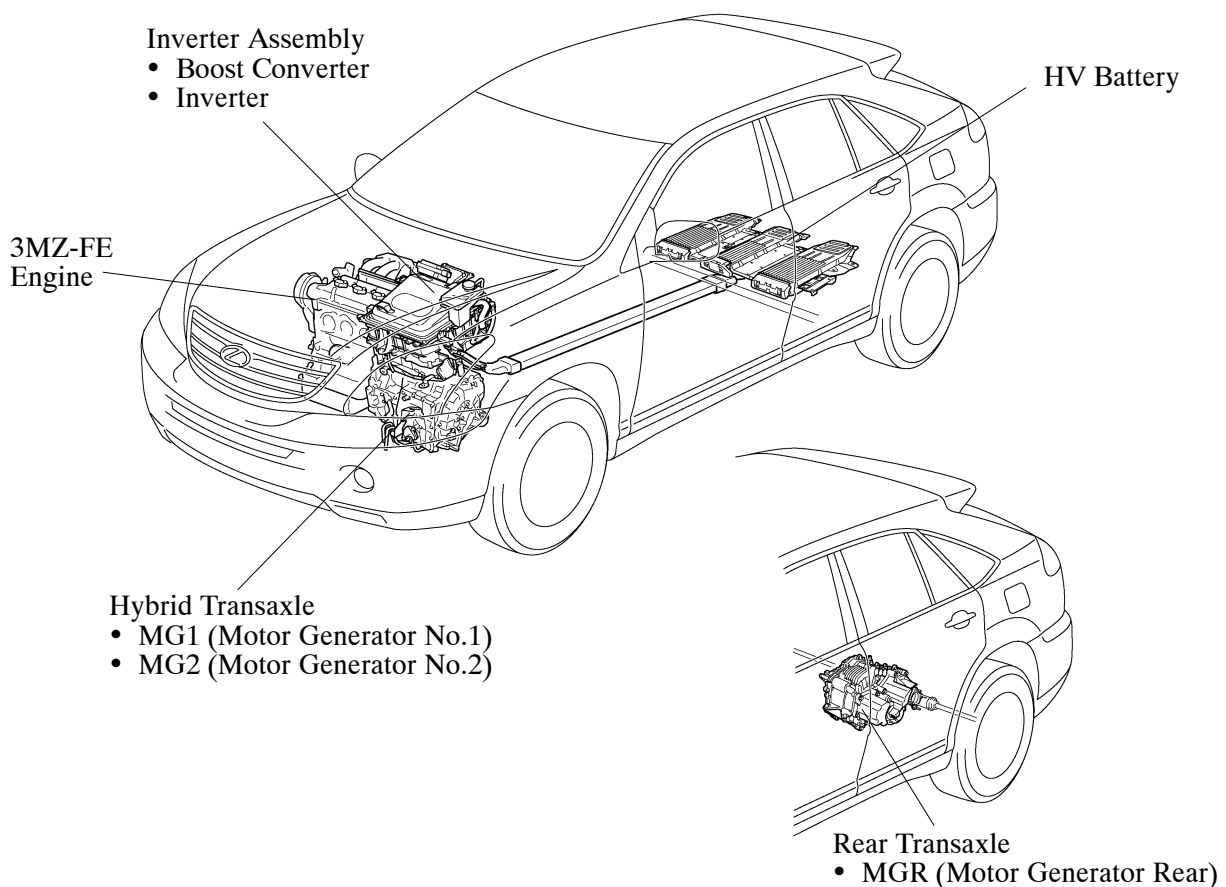
This mechanism can be deactivated by deeply pressing down the retainer. The tonneau cover is fixed by operation.

EQUIPMENT

THS-II (Toyota Hybrid System-II)

- The new RX400h is powered by a THS-II (Toyota Hybrid System-II), which has been developed under a “Hybrid Synergy Drive” concept to pursue better environmental performance and to realize “fun to drive” feeling. Under this concept, the THS-II has achieved significant advances in control systems, which aim for synergy between the power of the motor and the power of the engine. By greatly boosting the power supply voltage, this system has achieved a high level of balance between environmental performance and power.
- This hybrid system consists of a high power output 3MZ-FE engine and a high speed, high power output MG2, which cooperate optimally through a hybrid transaxle that excels in transmission performance. Furthermore, this system uses a high-output HV battery with a nominal voltage of DC 288V which is supplied to MG1, MG2 and MGR by a variable-voltage system. The variable-voltage system has a boost converter which boosts the operating voltage of the system to a maximum voltage of DC 650V, and an inverter which converts it into an alternating current. Through these elements, the dynamic performance of a class above has been realized, in addition to realizing a high level of regenerative capability. Together with the highly efficient cooperative control of the engine and the motor, a dramatic fuel economy performance has been realized.
- The new RX400h uses the electric type 4WD system, which uses an electric motor to drive the rear wheels. This system drives the MGR (Motor Generator Rear) electric motor that is built into the rear transaxle to suit various driving conditions, thus realizing an optimal drive torque distribution between front and rear wheels.

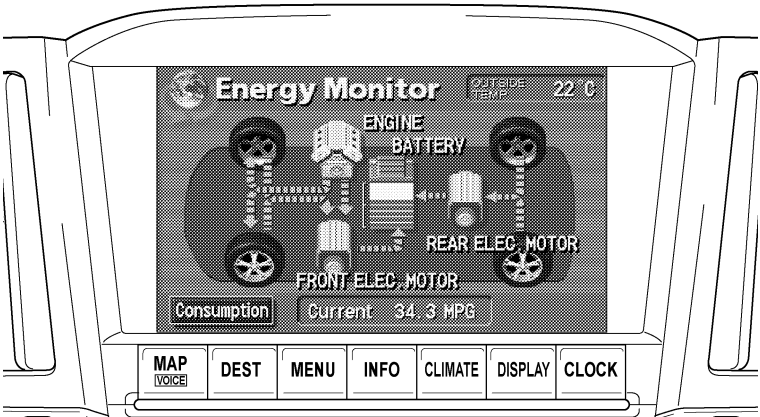
► Main Components ◀



Multi Display

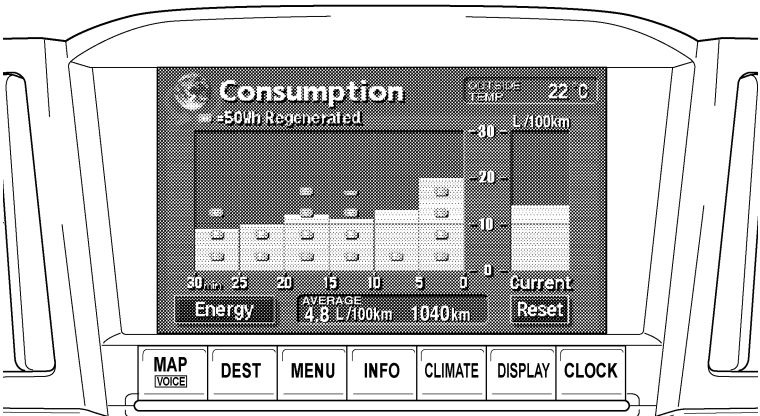
- A multi display has been provided on the center cluster panel as optional equipment. The display, which consists of a wide 7.0-inch LCD (Liquid Crystal Display) screen with a pressure sensitive touch panel, offers improved ease of use.
- Items listed below are the main functions of the multi display.

Main Function
• Navigation Screen Display • Information Display - Energy Monitor Screen Display - Fuel Consumption Screen Display • Warning Screen Display • Air Conditioner Screen Display • Telephone Operation Screen Display • Language Selector Screen Display • Adjustment Screen Display



Energy Monitor Screen

278MO18

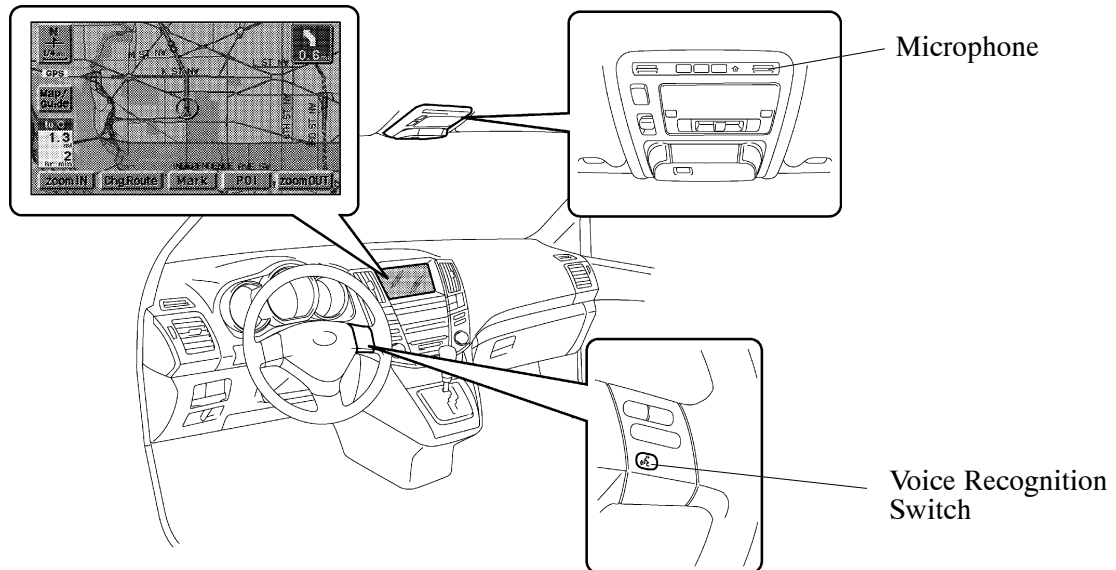


Fuel Consumption Screen

278MO19

Lexus Navigation System

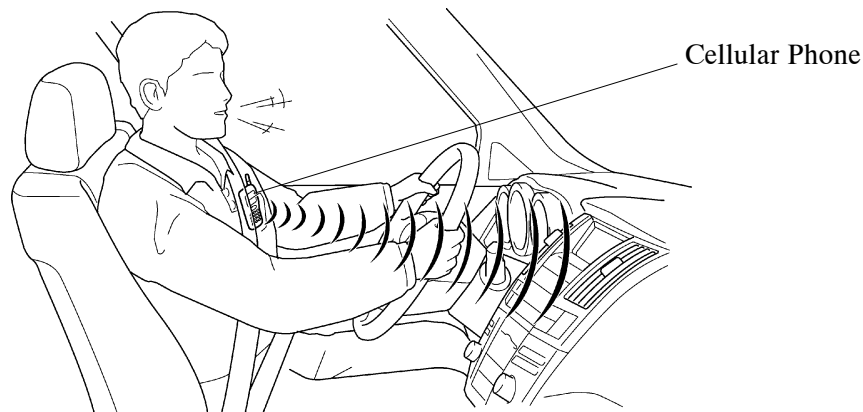
- Through the use of the GPS (Global Positioning System) and the map data in a DVD (Digital Versatile Disc), this navigation system analyzes the position of the vehicle and indicates that position on the map that is displayed on the screen. Additionally, it provides voice instructions to guide the driver through the route to reach the destination that has been selected.
- The languages of voice navigation can be selected from among 8 languages: English, French, Danish, Dutch, German, Italian, Spanish and Swedish.
- The navigation system employs a voice recognition function with a voice recognition microphone installed in the overhead console. The voice recognition function can be turned on and off using the switch on the steering wheel.



278MO11

Bluetooth Hands-Free System

- Bluetooth is a high-speed wireless data communication system that uses the 2.4 GHz frequency band prescribed by the Bluetooth SIG (Special Interest Group), with communication at a speed of 1 Mbps. By merely bringing a cellular phone that has been pre-registered on the multi display into the vehicle, the user can talk hands-free. Thus, it is no longer necessary to connect the telephone to a hands-free connection device as in the past.
- A Bluetooth hands-free system, which enables the user to make and receive calls and talk hands-free by operating the switches on the screen display or the steering pad, is provided on the multi display as optional equipment.
- The Bluetooth hands-free system consists of a multi display, a microphone in the overhead console, and the switches on the steering pad.

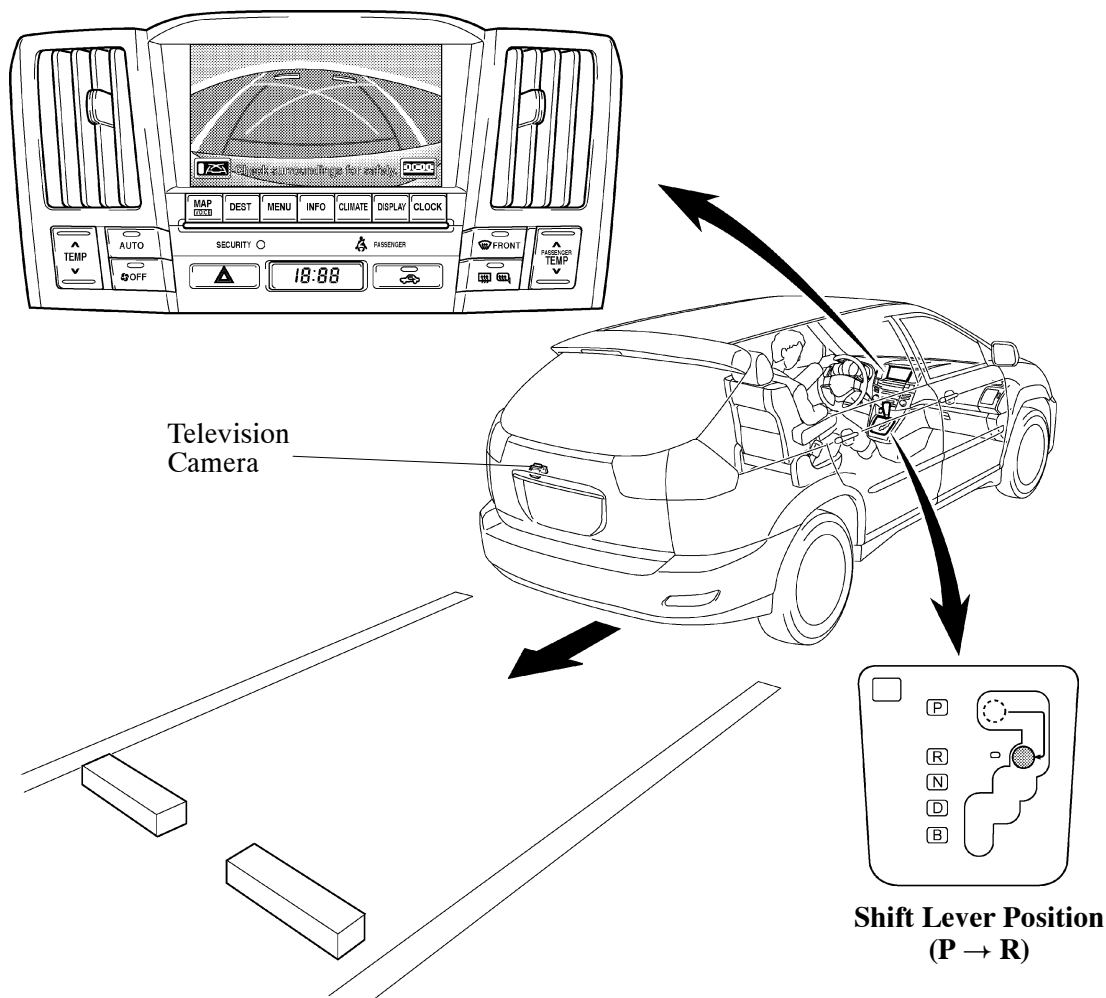


277MO14

Lexus Parking Assist System

- The parking assist monitor of Lexus Parking Assist System is available as an option.
- This system has a television camera mounted on the back door to display the rearview of the vehicle on the display panel of the multi display. The display panel also shows a composite view consisting of the rearview and parking guideline to assist the driver in parking the vehicle by monitoring the rearview.
- With the ignition switch ON, if the driver shifts the shift lever to R position, the display panel of the multi display switches to operate this system.

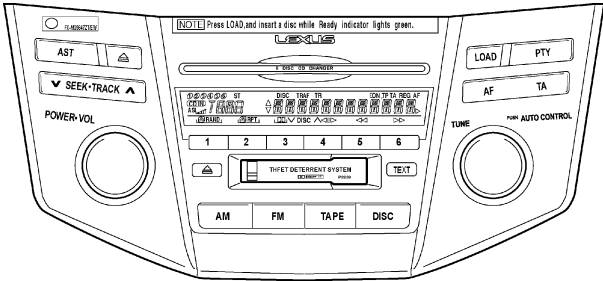
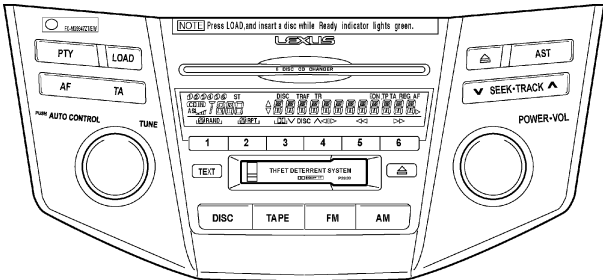
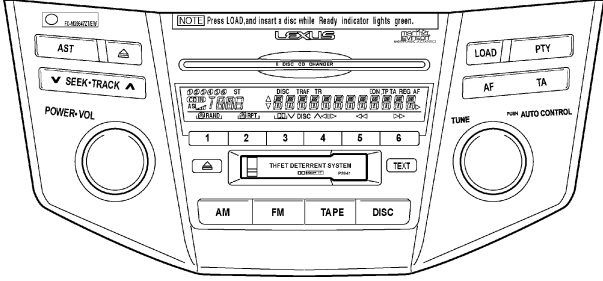
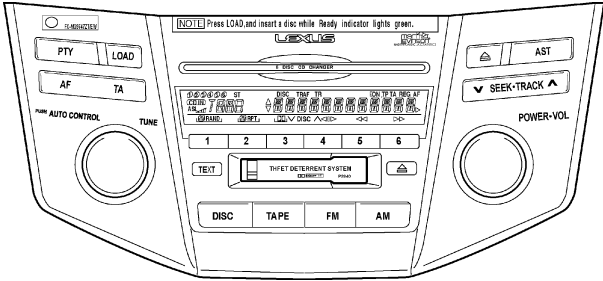
Multi Display



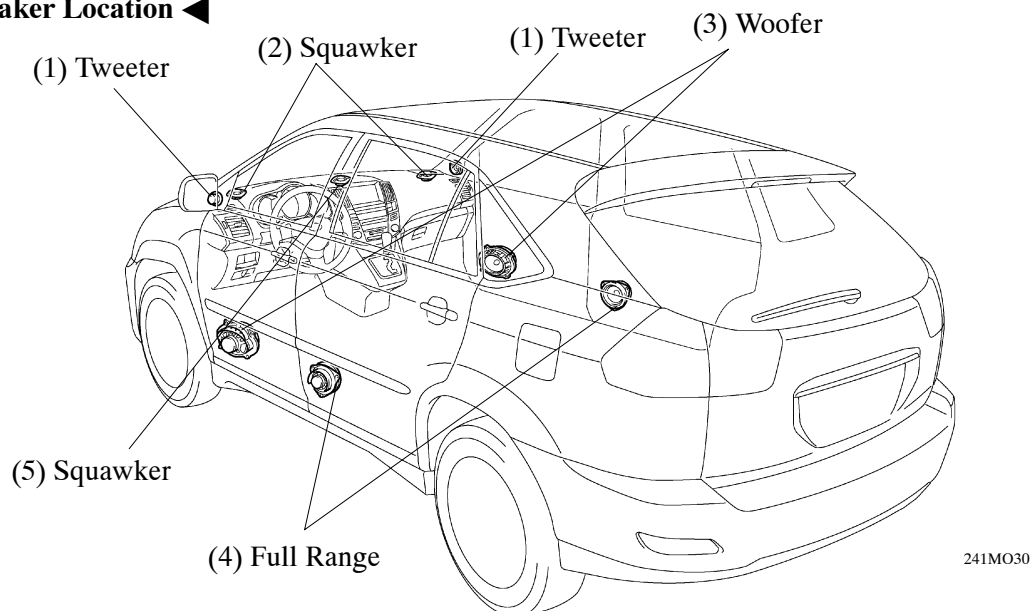
Audio System

The four types of audio head units listed in the table below are available on the RX400h.

► Head Unit Specifications ◀

Design	Specifications	Standard/ Optional
 LHD Mode 278MO03	• AM/FM Tuner • Cassette Player • In-Dash 6CD Changer • 8-Speaker System • Maker : Pioneer	Standard
 RHD Mode 278MO04		
 LHD Mode 278MO05	• AM/FM Tuner • Cassette Player • In-Dash 6CD Changer • 11-Speaker System • Maker : Mark Levinson	Optional
 RHD Mode 278MO06		

► Speaker Location ◀



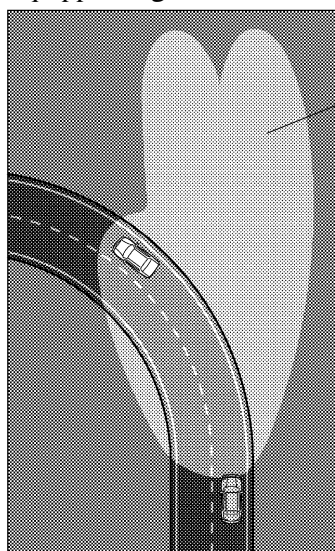
241MO30

► Speaker Specification ◀

		Mark Levinson (Option)			Pioneer (Standard)		
		Caliber	Impedance	Output	Caliber	Impedance	Input Rated (max)
(1)	Tweeter	2 cm	8 Ω	240 W	3.5 cm	4 Ω	21 W (50 W)
(2)	Squawker	6.5 cm	8 Ω		6.5 cm	4 Ω	21 W (50 W)
(3)	Woofer	6 $\times$ 9 in.	8 Ω		6 $\times$ 9 in.	2 Ω	33 W (83 W)
(4)	Full Range	16 cm + 2 cm	16 Ω		16 cm	4 Ω	21 W (50 W)
(5)	Squawker (Center)	6.5 cm	8 Ω		—	—	—

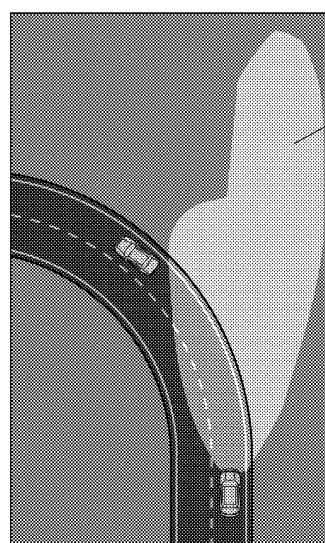
Intelligent Adaptive Front-lighting System

- An optional Intelligent AFS (Adapting Front-lighting System), which orients the front headlight (low beam) toward the inside of curve in accordance with vehicle speed and steering angle. This improves the driver's view at night when cornering to help safe driving.
- AFS ECU controls Automatic Headlight Beam Level Control System as well. When Intelligent AFS is installed, HID (High Intensity Discharge) and Automatic Headlight Beam Level Control System are equipped together with it.



With Intelligent AFS

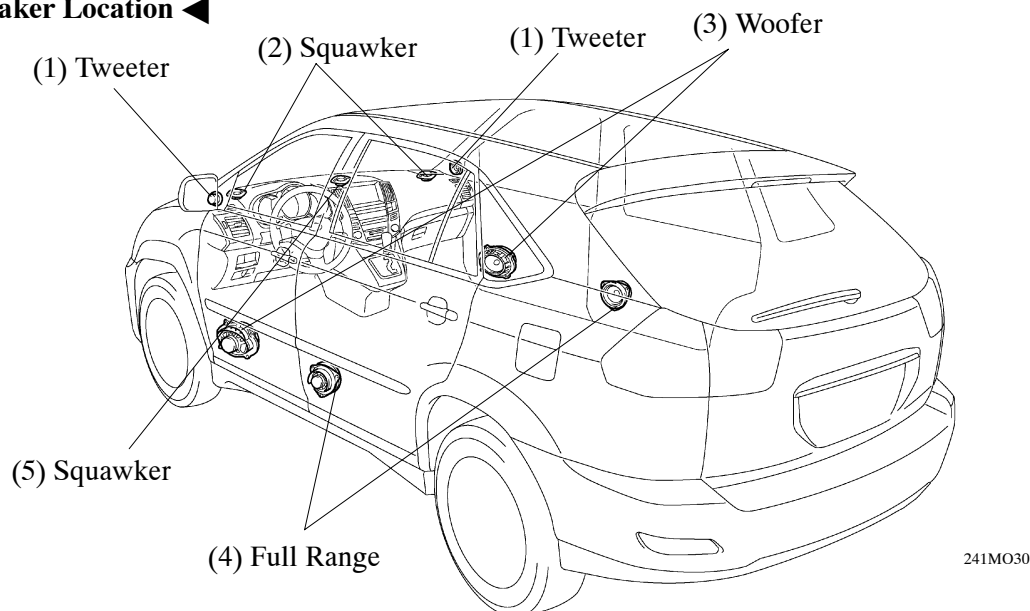
241BE15



Without Intelligent AFS

241BE16

► Speaker Location ◀

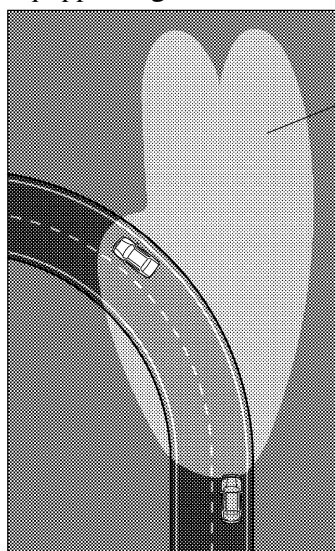


► Speaker Specification ◀

		Mark Levinson (Option)			Pioneer (Standard)		
		Caliber	Impedance	Output	Caliber	Impedance	Input Rated (max)
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(4)	Full Range	16 cm + 2 cm	16 Ω		16 cm	4 Ω	21 W (50 W)
(5)	Squawker (Center)	6.5 cm	8 Ω		—	—	—

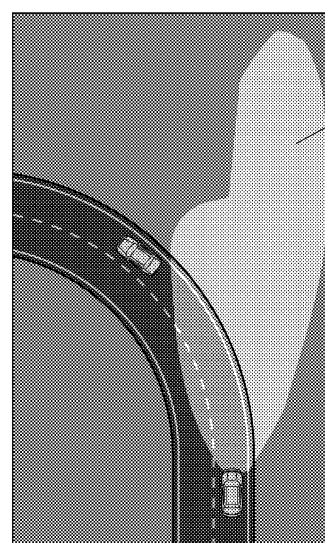
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With Intelligent AFS

241BE15



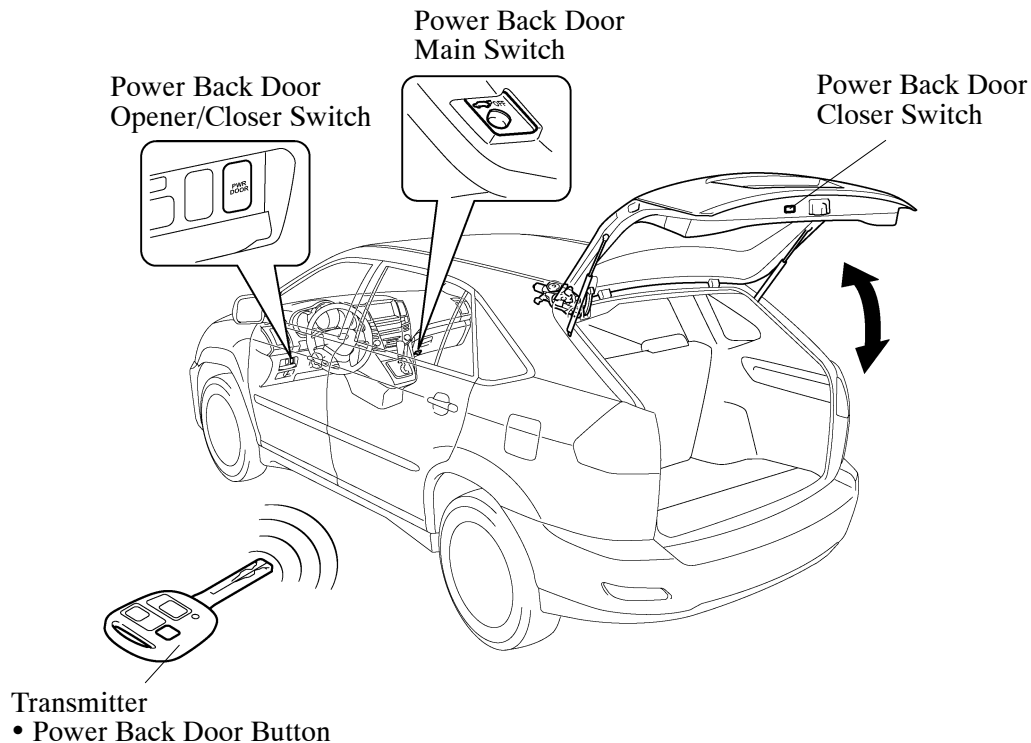
Without Intelligent AFS

241BE16

Power Back Door

A convenient power back door, which automatically opens or closes the back door through the operation of a switch, is used.

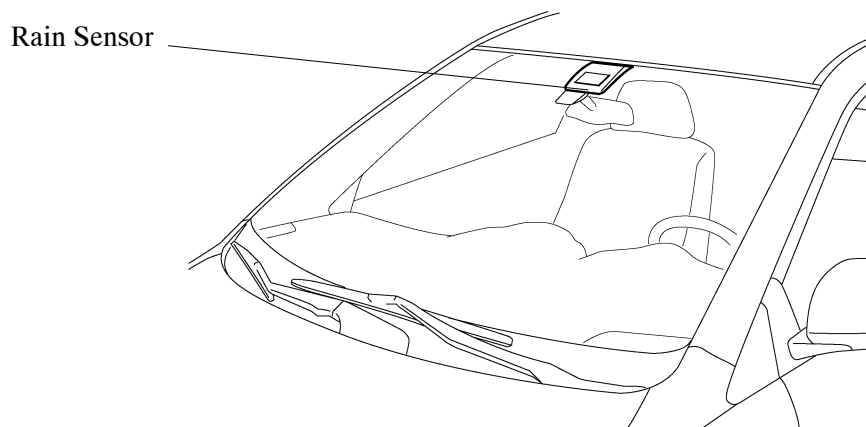
- The power back door can be fully closed or opened automatically through the operation of the power back door opener/closer switch in the instrument panel or the transmitter. Also, it can be fully closed automatically through the use of an internal back door closer switch.
- A power back door main switch that prohibits automatic operation has been provided inside the glove box.
- The automatic operation of the power back door is indicated by the sounding of the buzzer and the blinking of the hazard light.
- A jam protection function is provided. If jamming by an object is detected, this function causes the power back door to move in the reverse direction.
- When the power back door is not operating automatically, it can be opened and closed manually as an ordinary back door.



241M052

Wiper System with Raindrop Sensing Function

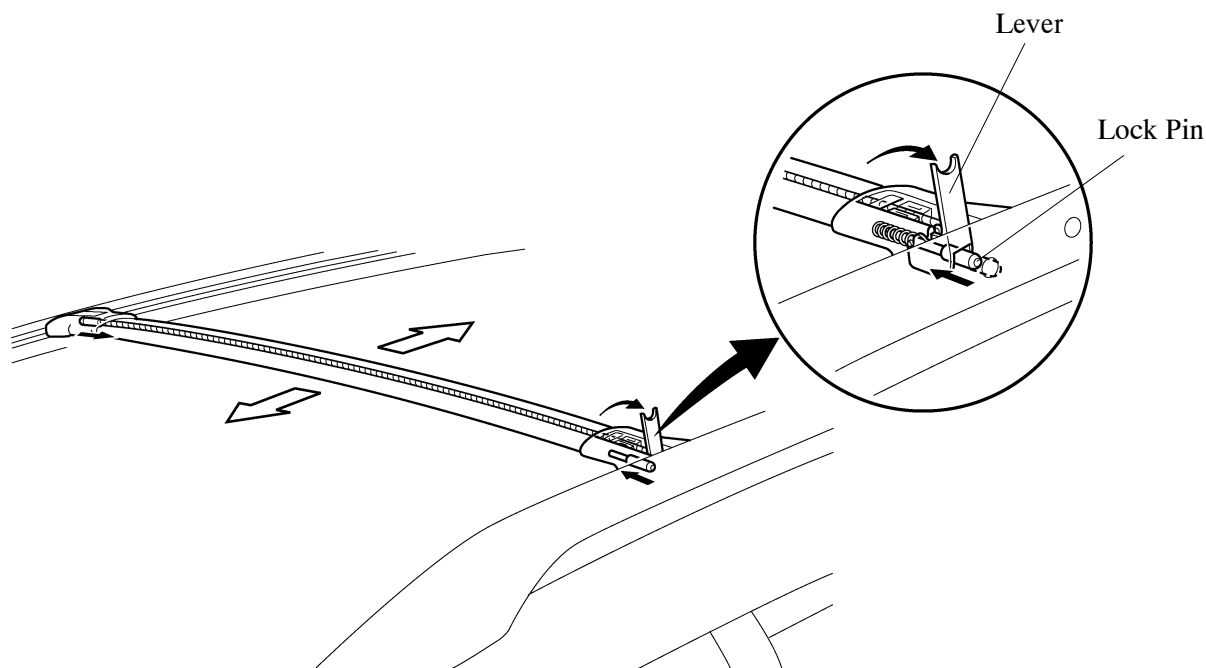
A function which utilizes a rain sensor to detect the volume of raindrops hitting the windshield surface and operates the wiper blades at the optimum wiping interval is available as an option. For example, the wipers are operated automatically, when the wiper control switch is in the AUTO position, even when water splashed up by an oncoming vehicle suddenly hits the windshield, obstructing visibility.



241MO38

Single Side Release Roof Rack

A mechanism that adjusts the longitudinal position of the crossbars of the roof rack from one side of the vehicle is used to improve the ease of use.

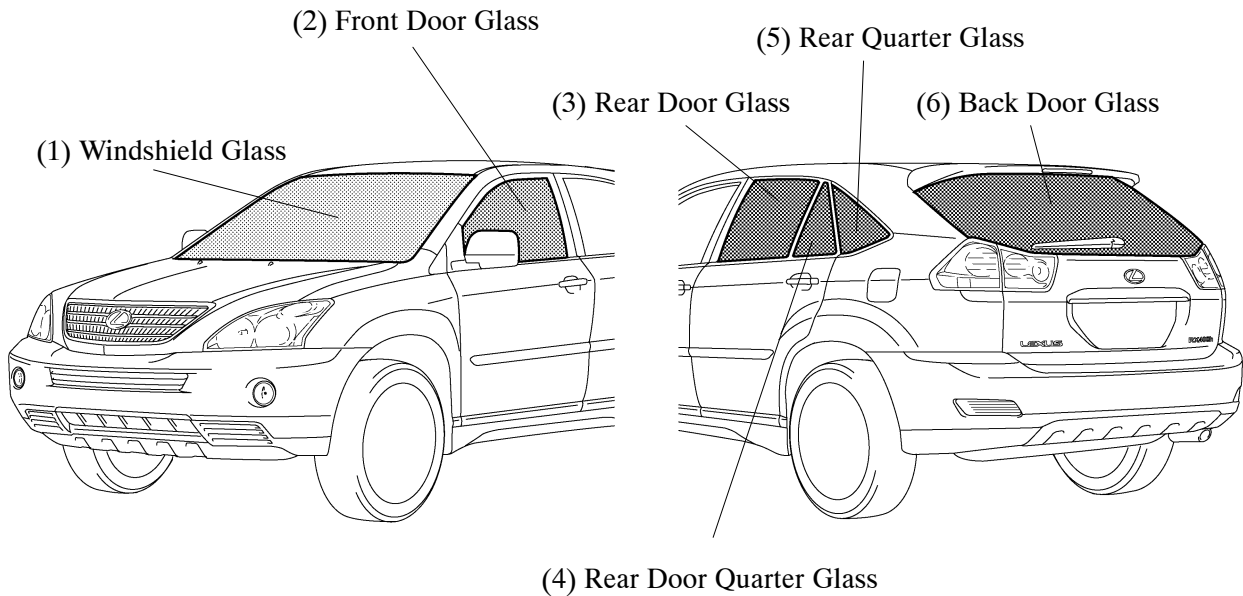


241MO56

- ★ • Pull up the single side lever located on the cross bar to release the lock at both ends of the cross bar.
- Move the cross bar forward or backward.
- Lock the cross bar by down the lever.

Windshield & Door Glass

- UV (Ultraviolet) cut glass containing properties which blocks the ultraviolet and infrared rays in the sunlight is used to prevent sunburn caused by ultraviolet rays and to reduce the scorching hot sensation caused by infrared rays.
- Front doors are fitted with water repellent coating glass to increase visibility in rain.
- Dark gray glass is used in the rear door windows, quarter windows, and the back window to ensure the privacy of the rear seat area and to realize a tight look.
- Acoustic glass is used for the windshield. This glass, which consists of an acoustic film in the intermediate layer between the sheets of laminated glass, enhances quietness in the cabin.



277MO21

► Specifications ◀

Glass Portion		Glass Type	UV Reduction Rate (%) (as reference)	Visible Light Penetration (%) (as reference)
(1)	Windshield	Green Laminated Glass (Acoustic Glass)	100	78.0
(2)	Front Door	UV Cut Green Glass with Water Repellent Coating	93.0	72.5
(3)	Rear Door	UV Cut Privacy Glass	96.0	19.0
(4)	Rear Door Quarter	UV Cut Privacy Glass	96.0	19.0
(5)	Rear Quarter	UV Cut Privacy Glass	94.0	24.0
(6)	Back Door	UV Cut Privacy Glass	94.0	24.0

PERFORMANCE

Power Train

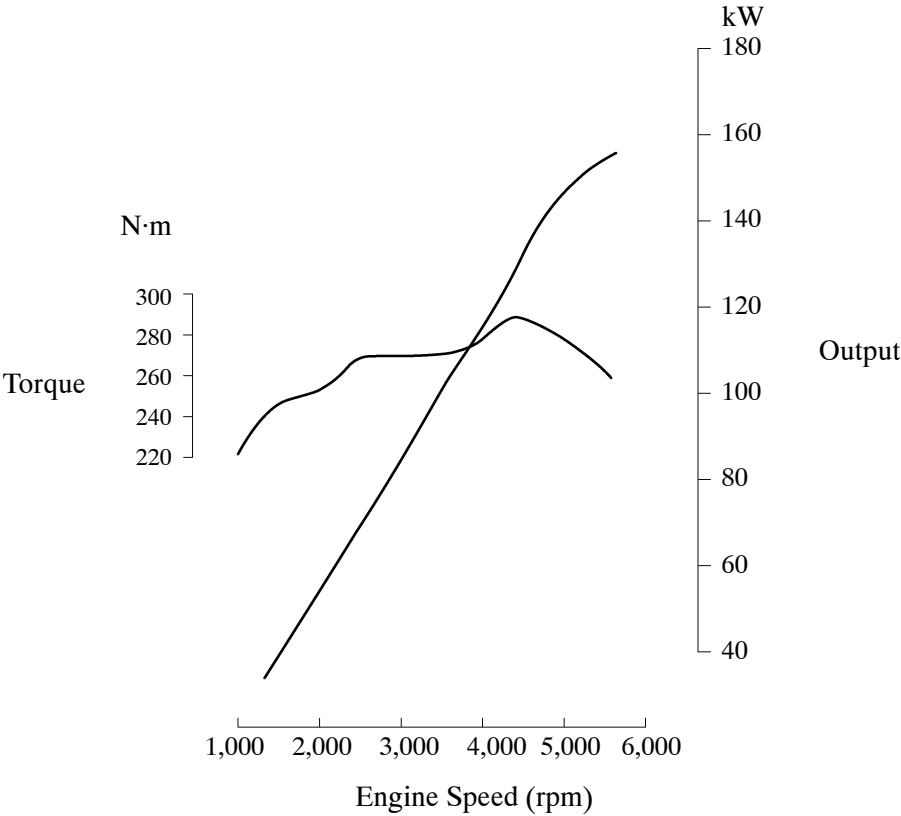
System Performance

Maximum System Output* | 200 kW

*: The maximum output indicates engine output + HV battery output

Engine

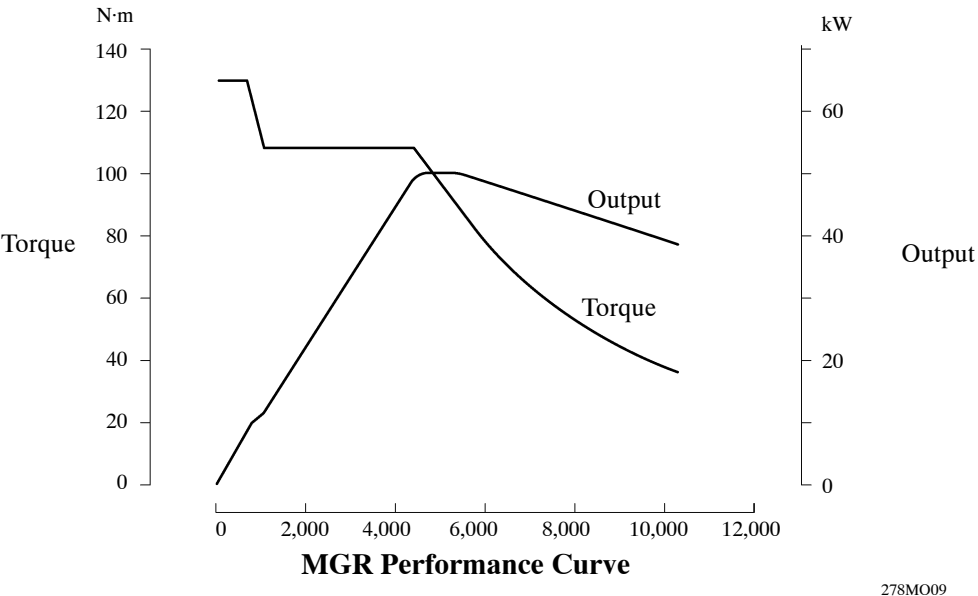
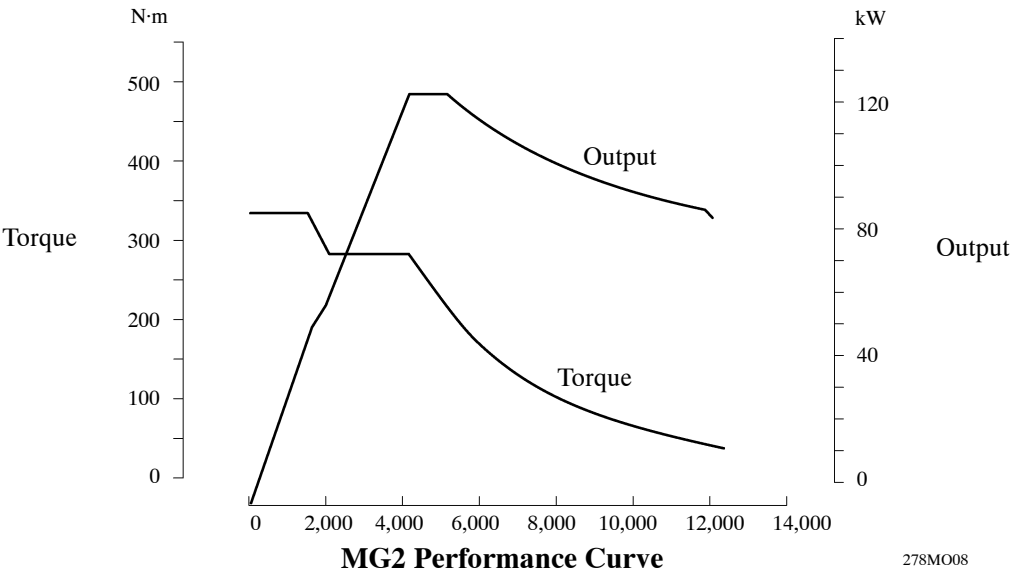
Type	3MZ-FE
No. of Cylinders & Arrangement	6-Cylinder, V Type
Valve Mechanism	24-Valve DOHC, Belt & Gear Drive (with VVT-i)
Displacement	3,311 cm ³ (202.1 cu. in.)
Maximum Output	155 kW @ 5,600 rpm
Maximum Torque	288 N·m @ 4,400 rpm



Motor and Generator

Item	MG1	MG2	MGR
Type	Permanent Magnet Motor	Permanent Magnet Motor	Permanent Magnet Motor
Function	Generate, Engine Starter	Generate, Drive Front Wheels	Generate, Drive Rear Wheels
Maximum System Voltage*	DC650 V	DC650 V	DC650 V
Maximum Output	—	123 kW @ 4,500 rpm	50 kW @ 4,610~5,120 rpm
Maximum Torque	—	333 N·m @ 0~1,500 rpm	130 N·m @ 0~610 rpm

*: This voltage is converted into an alternating current and then supplied to MG1, MG2 and MGR.



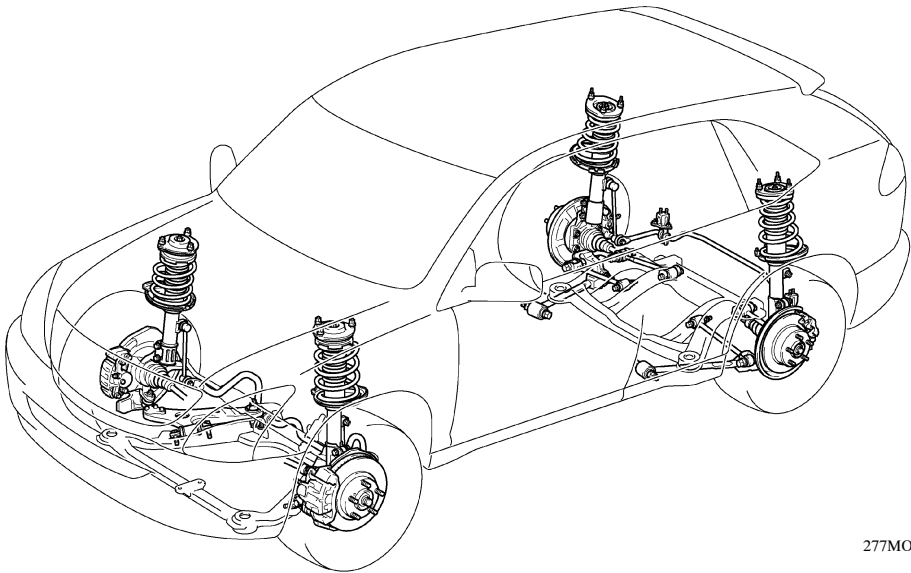
Chassis

Front Suspension

Type	MacPherson Strut Type Independent Suspension
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Rear Suspension

Type	Dual Link MacPherson Strut Type Independent Suspension
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277MO27

Brake

Front Brake Type	Ventilated Disc
Rotor Size	319 mm × 28 mm (12.56 in. × 1.1 in.)
Rear Brake Type	Solid Disc
Rotor Size	288 mm × 10 mm (11.34 in. × 0.39 in.)
Parking Brake Type	Duo-Servo
Brake Control	• Regenerative Brake Cooperative Control • ECB System (ABS Function, EBD Function, Brake Assist Function, TRC Function and VSC Function)

Steering

Type	EPS (Electric Power Steering)
Gear Type	Rack & pinion
Optional Function	Power tilt & Power Telescopic Mechanism with Memory Function

ENVIRONMENT AND RECYCLING

Adoption of TSOP, TPU & TPO

TSOP (The Super Olefin Polymer), TPU (Thermoplastic Urethane) and TPO (Thermoplastic Olefin) which have superior recyclability, are actively utilized while the use of chlorine has been reduced as much as possible.

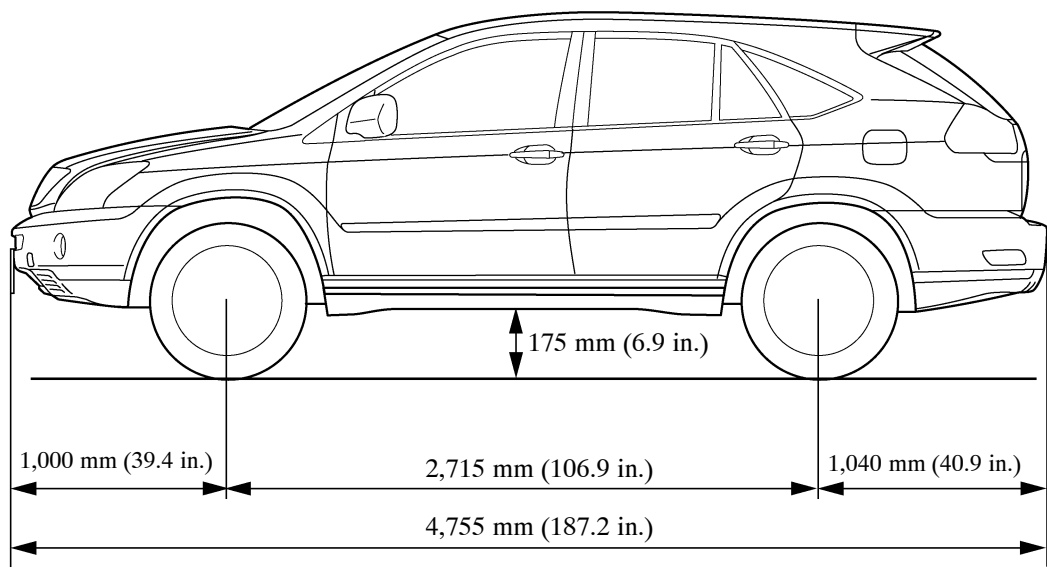
Material		TSOP, TPU and TPO
Main Application Sections	Exterior	• Front Bumper • Rear Bumper • Rocker Molding
	Interior	• Instrument Panel Upper Portion • Instrument Panel Lower Portion • Upper Pillar Garnish • Lower Pillar Garnish • Door Trim • Back Door Garnish

Adoption of Lead-free Parts

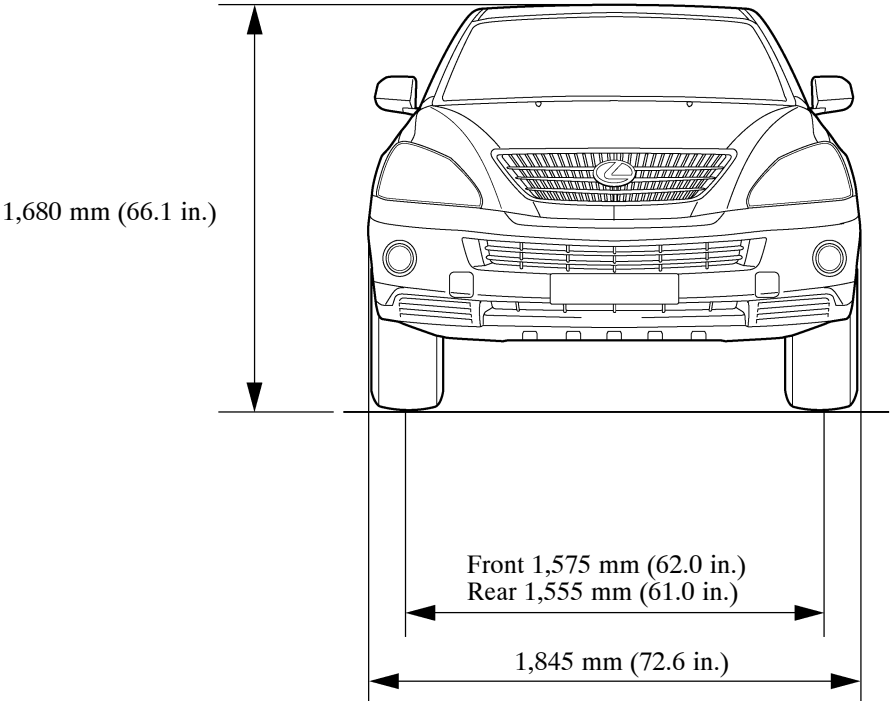
By using lead-free parts, the adverse impact on the environment has successfully reduced.

Main Lead-free Parts
• Radiator • Heater Core • Wiring Harness • Window Glass Black Coating • Wheel Balance Weight

DIMENSIONS



277MO28



278MO21

EQUIPMENT LIST

● : Standard OP : Optional

Item				Standard/ Optional
Exterior and Interior	Rear Spoiler			●
	Roof Rail	Single Side Release Roof Rack		OP
	Seat Cover	Fabric		●
		Leather		OP
Chassis	Tire	235/55R18		●
	Disc Wheel	18 × 7.0J Aluminum		●
	Steering System	EPS (Electric Power Steering)		●
		Manual Tilt Steering		●
		Power Tilt & Telescopic Steering		OP
	Brake Control System	ABS with EBD Function & Brake Assist Function & TRC Function & VSC Function		●
Regenerative Braking System		●		
Body	Front Seat	Driver	8-Way Power Seat	●
		Passenger	4-Way Power Seat	●
			8-Way Power Seat	OP
	Front Seat Belt	Driver	3-Point ELR with Pretensioner & Force Limiter	●
		Passenger	3-Point ELR with Pretensioner & Force Limiter	●
	Rear Seat Belt	Right	3-Point ELR/ALR	●
		Left	3-Point ELR/ALR	●
		Center	3-Point ELR/ALR	●
	CRS (Child Restraint System) Anchor System			●
	Automatic Retract Tonneau Cover			●
Body Electrical	Headlight	HID (High Intensity) & Automatic Headlight Beam Level Control System		●
		HID & Intelligent Adaptive Front-lighting System & Automatic Headlight Beam Level Control System		OP
	Headlight Cleaner			●
	Automatic Light Control System			●
	Daytime Running Light System			OP*
	Illuminated Entry System	Interior Light and Ignition Switch Light		●
		Interior Light, Ignition Switch Light, Inside Handle Light, Scuff Plate Light and Foot Light		OP
	Wiper System	Washer-Linked Wiper Function		●
		Washer-Linked Wiper with Raindrop Sensing Function		OP
		Front Wiper Deicer System		OP
	Air Conditioner System	Right/Left Independent Temperature Control Automatic Air Conditioning		●
		Clean Air Filter		●
	Multi Display			OP
	Lexus Navigation System		Voice Recognition Function and Bluetooth Hands-Free System	OP
Lexus Parking Assist System		Back Guide Monitor	OP	

(Continued)

● : Standard OP : Optional

Item			Standard/ Optional
Body Electrical	Power Window System		●
	Power Door Lock Control System		●
	Double Locking System		●
	Wireless Door Lock Remote Control System		●
	Power Back Door		OP
	Theft Deterrent System		●
	HV Immobilizer System		●
	SRS Airbag System	Driver & Front Passenger & Side & Curtain Shield & Knee Airbags	●
	Outside Rear View Mirror	Electrical Retractable & Remote Control with Heater	●
		Automatic Glare-Resistant EC Mirror	●
	Inside Rear View Mirror	Automatic Glare-Resistant EC Mirror	●
	Sliding Roof	Tilt & Slide Function	OP
	Cruise Control System		OP
	Memory System	Driver's Seat, Outside Rear View Mirror and Steering Position	OP
	Seat Heater	Driver and Front Passenger	OP
	Audio	AM/FM/Cassette/6-CD Changer/8-Speaker (Maker : Pioneer)	●
AM/FM/Cassette/6-CD Changer/11-Speaker (Maker : Mark Levinson)		OP	

* : Only on models with LHD