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## GROUP 51

# EXTERIOR

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## GENERAL INFORMATION

M2510000101357

Friendly and cozy body lines have been aggressively used as an exterior design, appealing to customer's instinct.

### FEATURES

#### BETTER APPEARANCE

1. A new three-diamond mark matched with new front design is adopted.
2. Employs a grille integrated sport front bumper <Except vehicles for GCC>.
3. Employs a grille integrated standard front bumper <Vehicles for GCC>.
4. Large side sill garnishes have been installed <Except vehicles for GCC>.
5. A tailgate spoiler has been installed.
6. A sport rear bumper has been installed <Except vehicles for GCC>.
7. A standard rear bumper has been installed <Vehicles for GCC>.
8. A rear wiper with resin arm has been adopted.

#### BETTER AERODYNAMIC CHARACTERISTICS

9. Side sill garnishes have been installed.
10. A tailgate spoiler has been installed.

#### BETTER USER-FRIENDLINESS

11. Roof rails have been installed <Optional>.
12. Electric retractable remote controlled door mirrors have been installed.

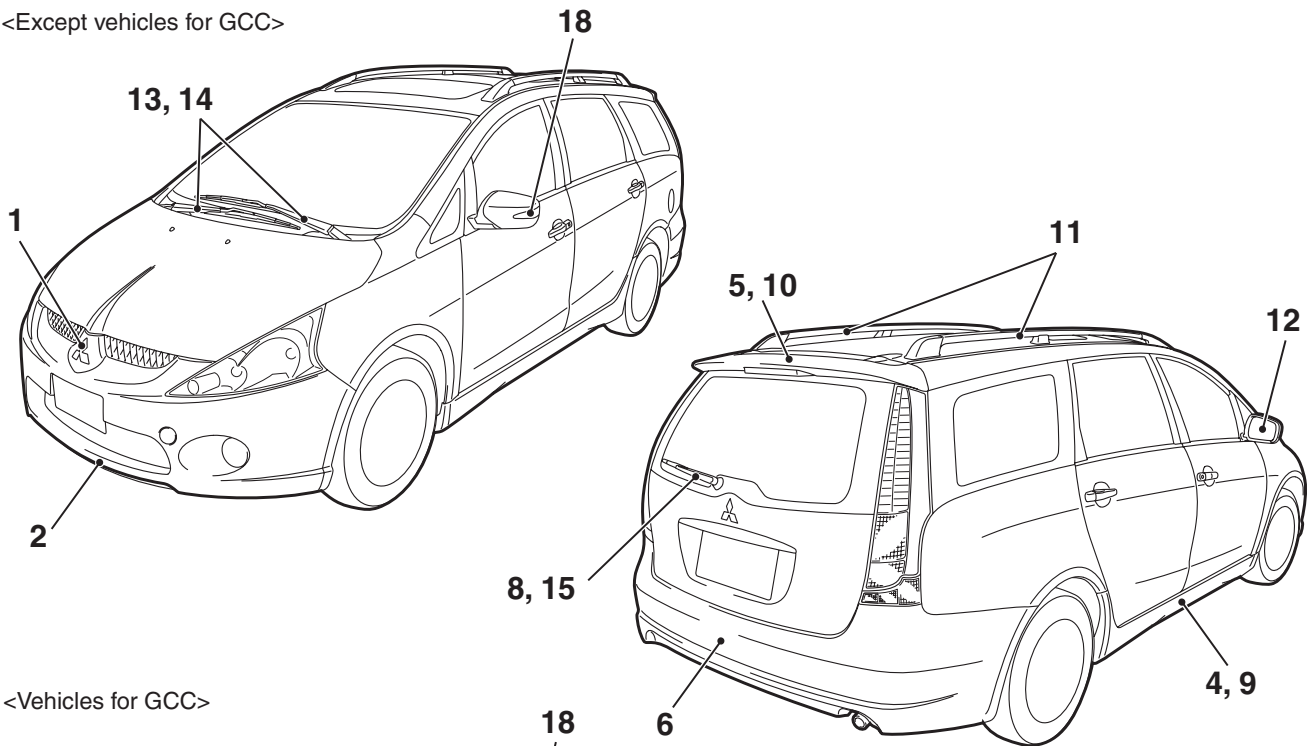
#### BETTER PRODUCT PACKAGE

13. A face-to-face type windshield wiper has been adopted.
14. Comes with a vehicle speed sensitive intermittent time variable windshield wiper.
15. Comes with an initial continuous operation and reverse interlocked operating rear intermittent wiper.
16. Comes with front mud guards for optional <Vehicles for GCC>.
17. Comes with rear mud guards for optional <Vehicles for GCC>.
18. Employs side turn-signal lamp integrated door mirrors.

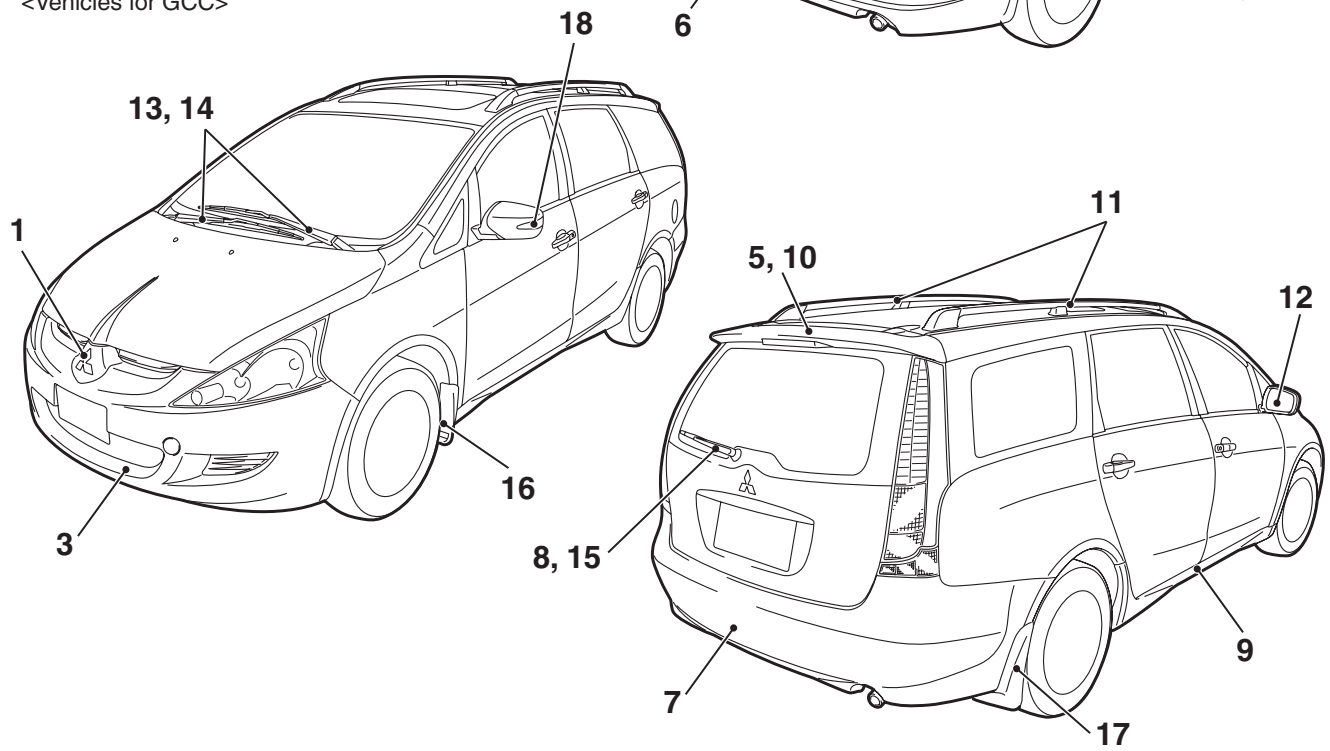
#### SUPPORT RECYCLING OF RESOURCES

Aggressively uses PP materials that are easy to recycle and easy to recognize material symbols on the plastic (resin) parts.

<Except vehicles for GCC>



<Vehicles for GCC>



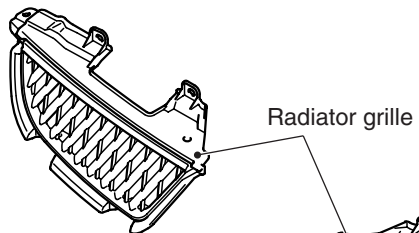
# RADIATOR GRILLE

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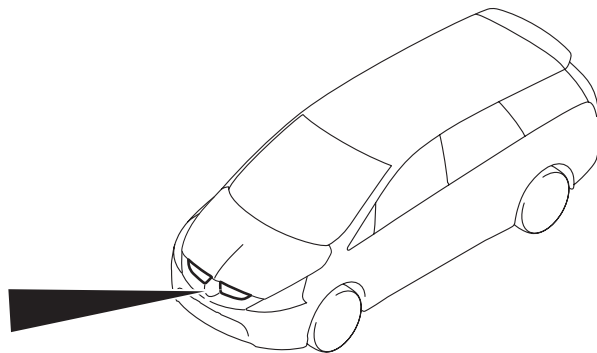
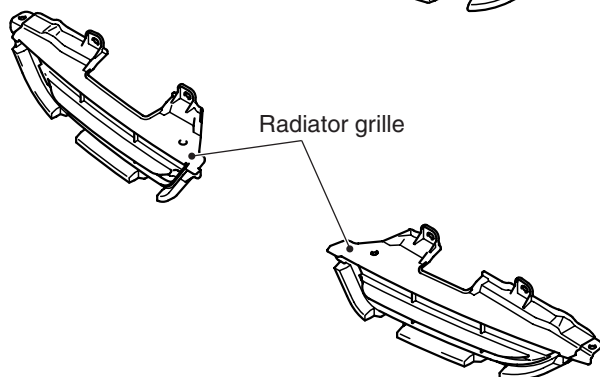
Two kinds of radiator grilles are set up.

## CONSTRUCTION DIAGRAM

<Except vehicles for GCC>



<Vehicles for GCC>



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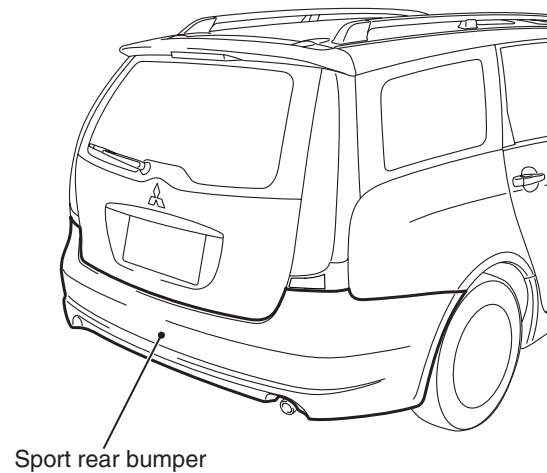
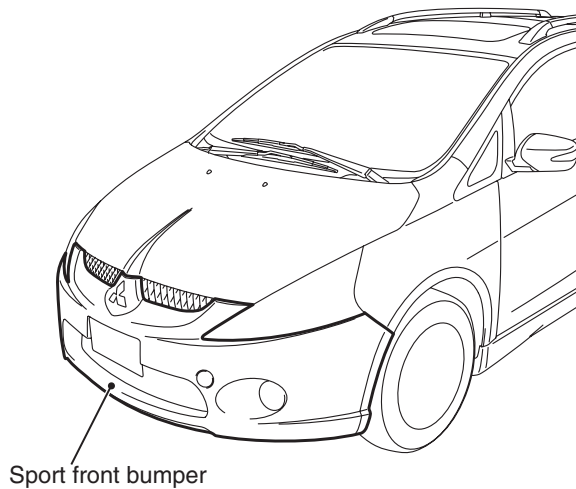
## BUMPER

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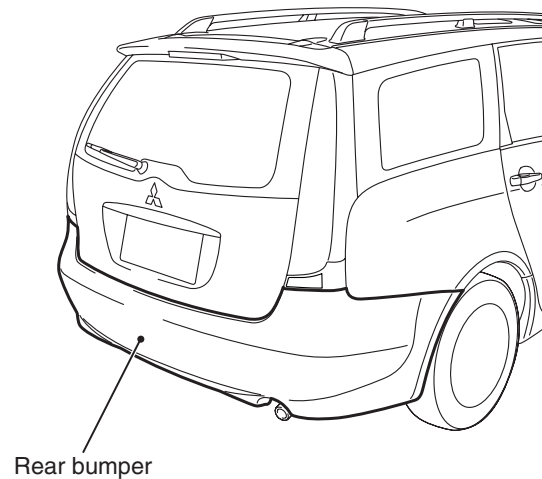
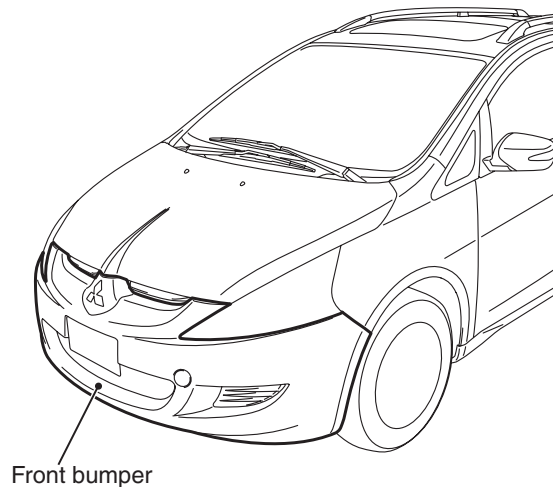
- Metal reinforcement of the front bumper has been downsized, and weight saving has been achieved by introducing the resin bracket.
- Metal reinforcement has been eliminated from the rear bumper, and the resin centre bracket and resin side bracket have been installed.
- Weight saving, reparability, and recycle efficiency have been improved.

### CONSTRUCTION DIAGRAM

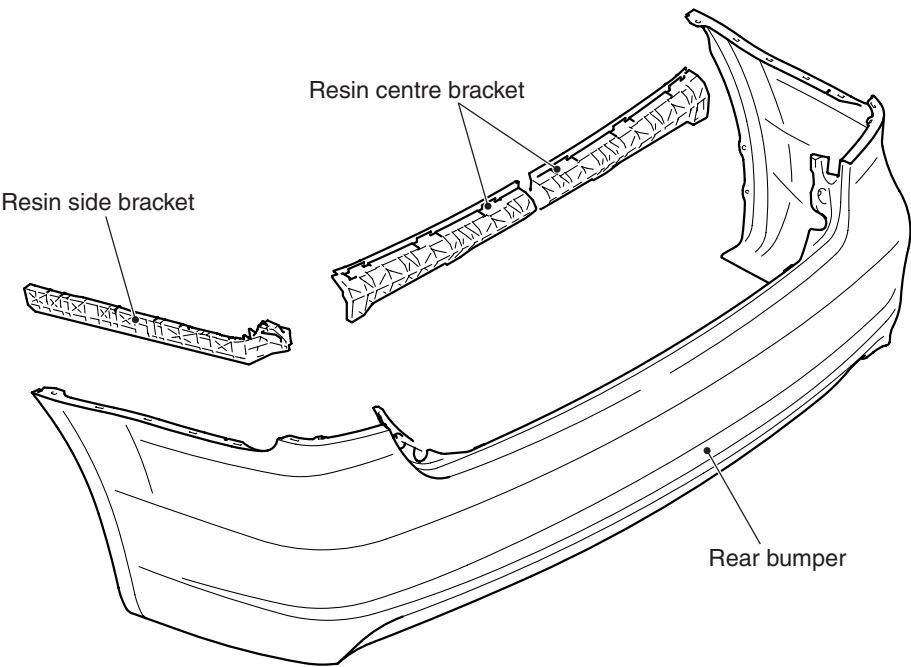
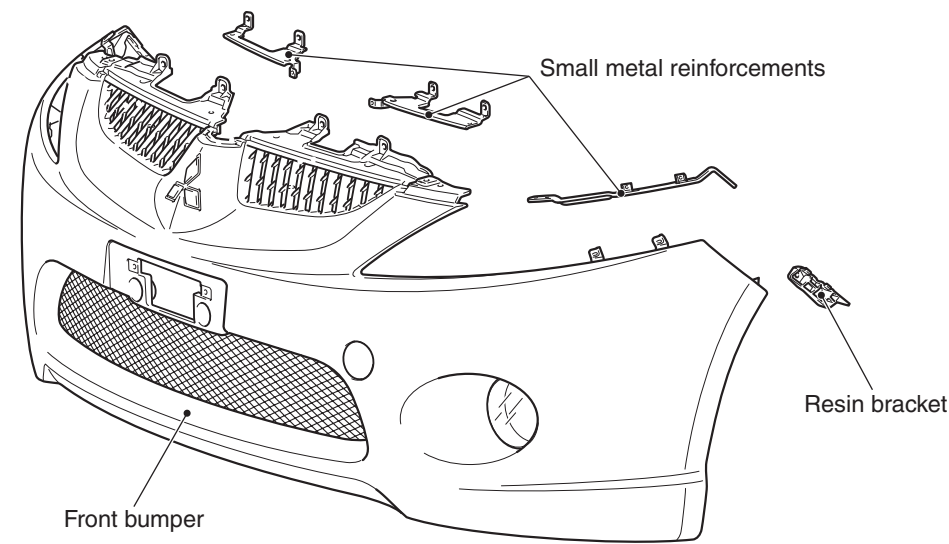
<Except vehicles for GCC>



<Vehicles for GCC>



AC311698AC



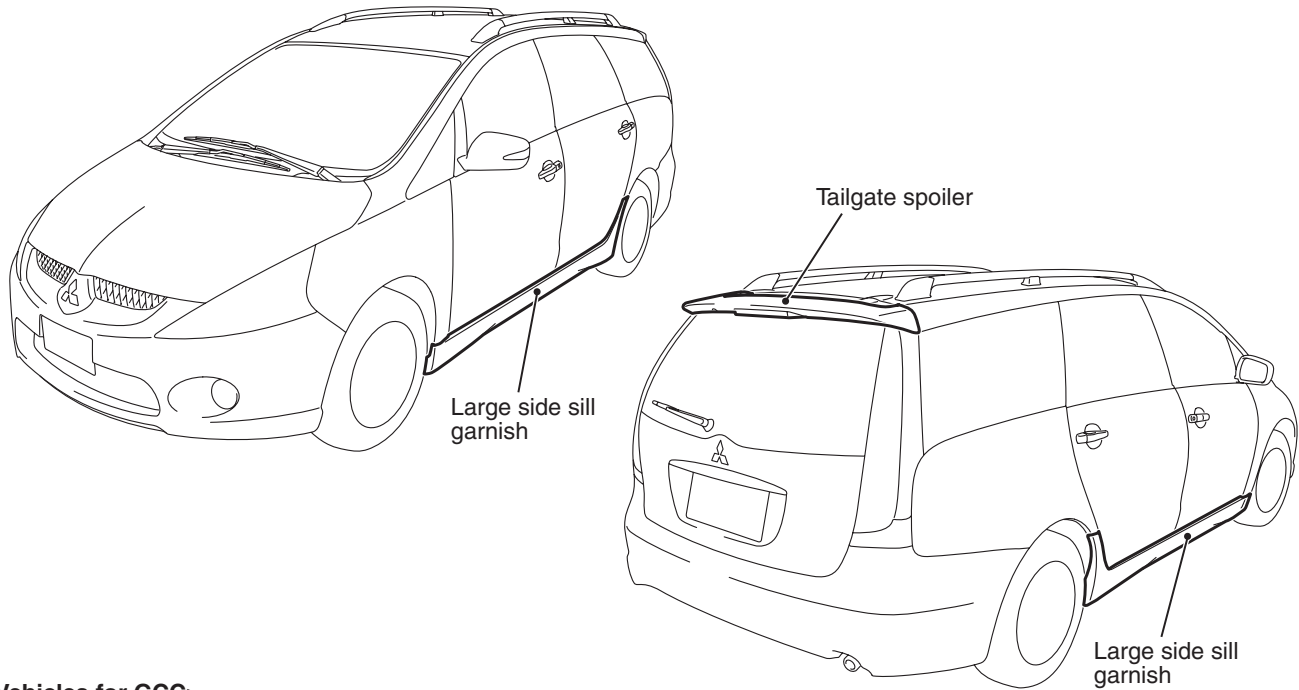
## AERO PARTS

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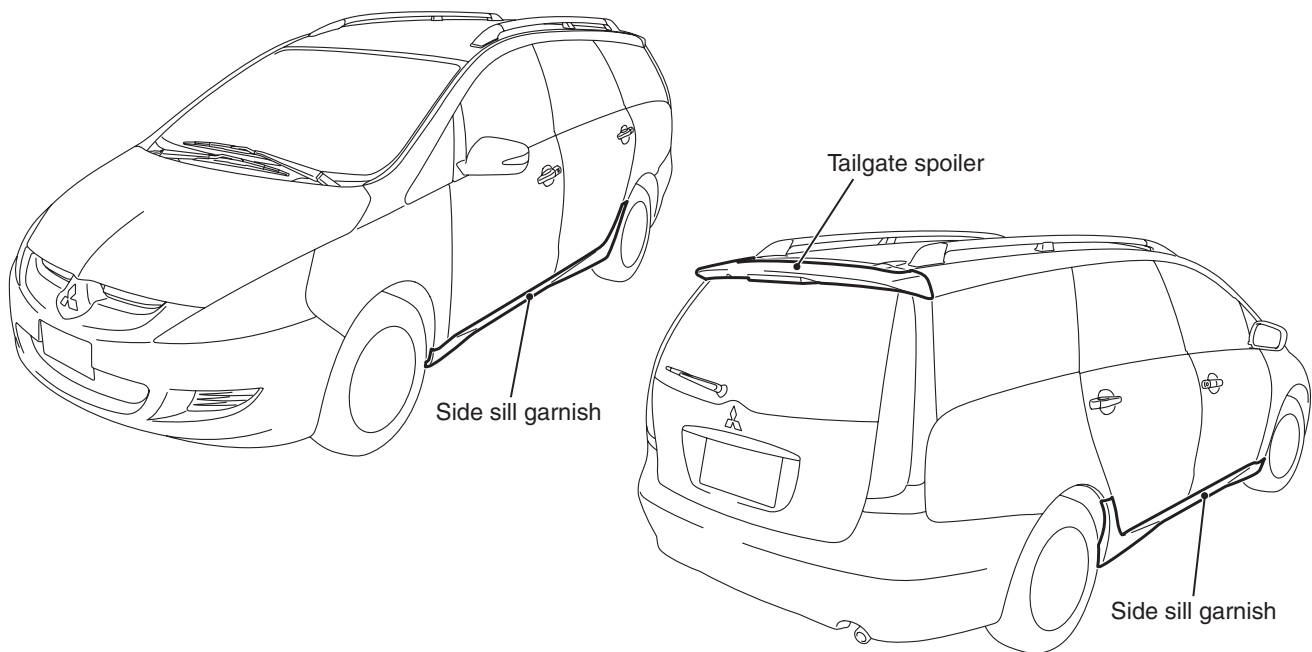
- Side sill garnishes and tailgate spoiler improve aerodynamic characteristics and appearance.
- Tailgate spoiler with a built-in high-mounted stop lamp has been installed.

### CONSTRUCTION DIAGRAM

<Except vehicles for GCC>



<Vehicles for GCC>



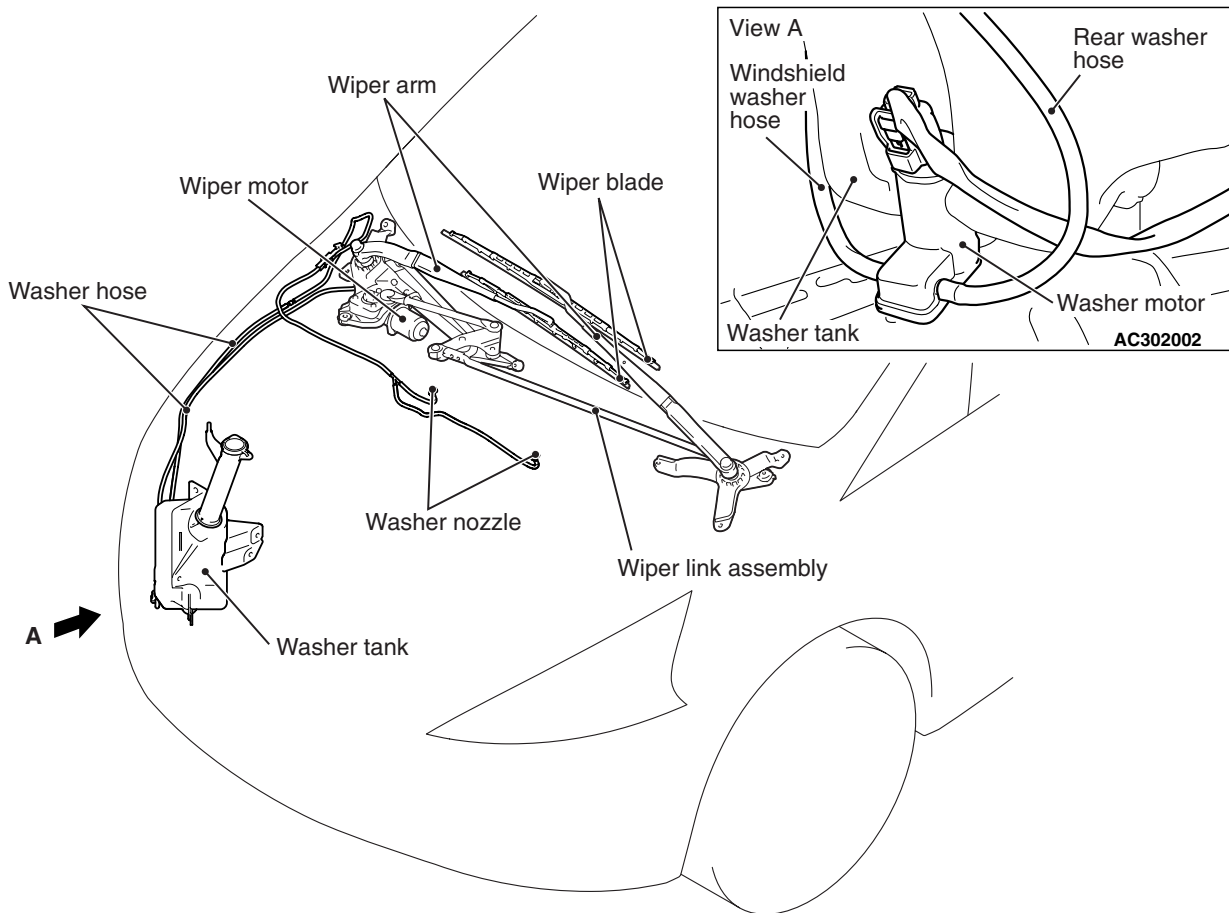
## WIPER AND WASHER

### WINDSHIELD WIPER AND WASHER

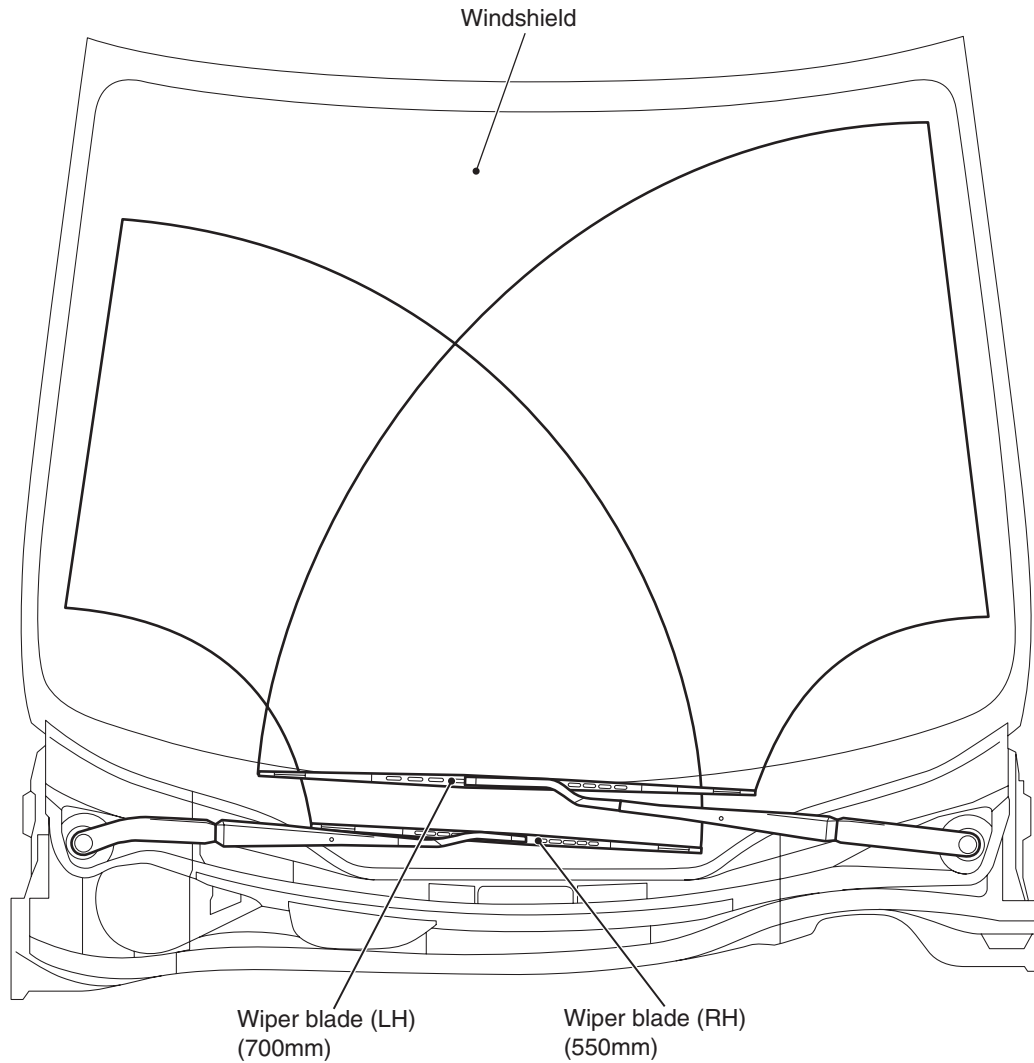
M2510007000303

- 700-mm long driver's side wiper blade for the opposed type wiper has been installed, minimizing unwiped area for the wide surface of the windshield.
- Graphite coated blade is employed to the driver side wiper, provides smoother and quieter wiper operations.
- Employment of a module structure wiper link assembly has increased durability of the wiper link area, provides smoother and quieter wiper operations. Also reduced unwiped area on the windshield.
- The windshield wiper is 2 speed type, operates at low or high speed.
- The intermittent wiper features a vehicle speed sensitive intermittent time variable system.
- The mist wiper is turned ON by operating the mist switch in the opposite direction of the wiper switch, achieving clearer operation. Features a mist wiper function that quickly wipes away rain with high speed wiping when the mist switch is ON, slows down when the mist switch is OFF and operates until stopped. When the mist switch is temporarily turned ON, the wiper wipes once at low speed.
- The washer-linked wiper function\* has been introduced. The washer fluid can be injected without operating the wiper. When the ignition switch is turned ON while the washer switch ON, the washer motor operates but the wiper does not.
- The windshield washer is a 2 nozzle, 4 jet type.
- Check valve integrated washer nozzle is employed. It prevents the leakage from the nozzle in a sudden acceleration or hard turn, and improve the washer injection response when the washer switch is ON.
- Injection target points and nozzle mounting positions are optimized in order to minimize fluid falling change in high speed running.
- The washer motor which works both as a windshield washer motor and a rear washer motor has been installed to reduce the weight.

**NOTE:** . \*: Using a customization feature, vehicle speed sensitive intermittent time variable wiper and washer-linked wiper function can be enabled or disabled optionally. Refer to Group 54B, Customize Function [P.54B-40](#).

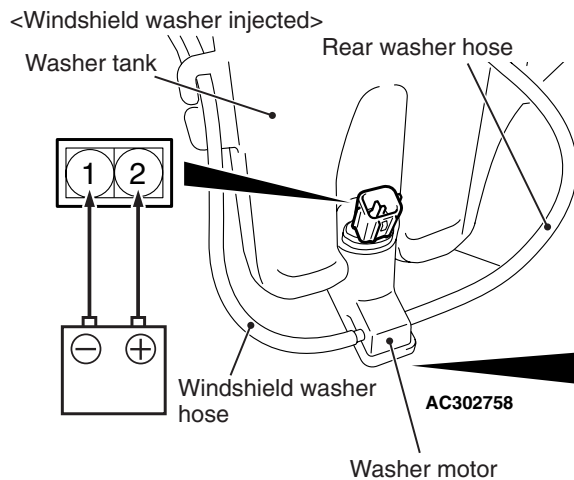




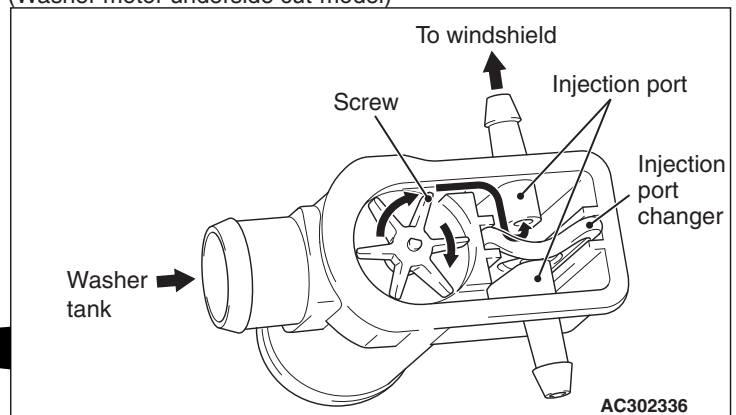


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## DESCRIPTION OF CONSTRUCTION AND OPERATION WASHER MOTOR

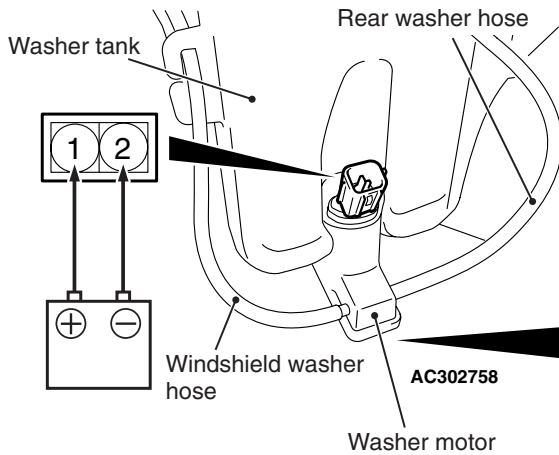


(Washer motor underside cut-model)

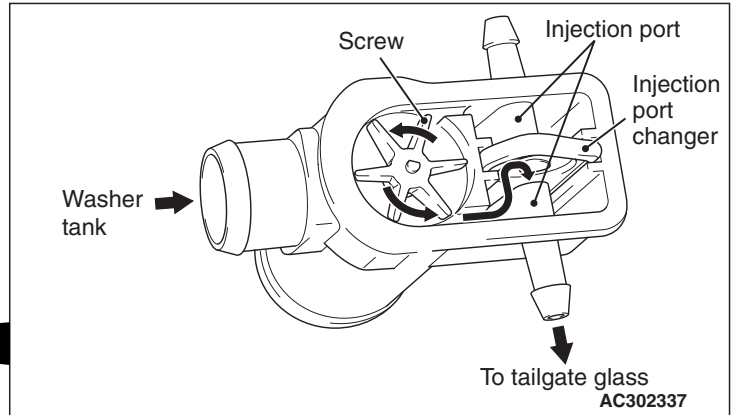


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&lt;Rear washer injected&gt;



(Washer motor underside cut-model)



AC303499AB

When the washer motor operates, the screw in the washer motor is rotated, and the washer fluid is flown into the injection nozzle. The washer motor applies pressure to the injection port changer using the flown washer fluid and screw, closes the opposite injection nozzle, and then injects the washer fluid over the windshield or the tailgate glass. Operation of the windshield washer and the rear washer is switched by reversing the direction of an electric current flow through the washer motor.

## REAR WIPER AND WASHER

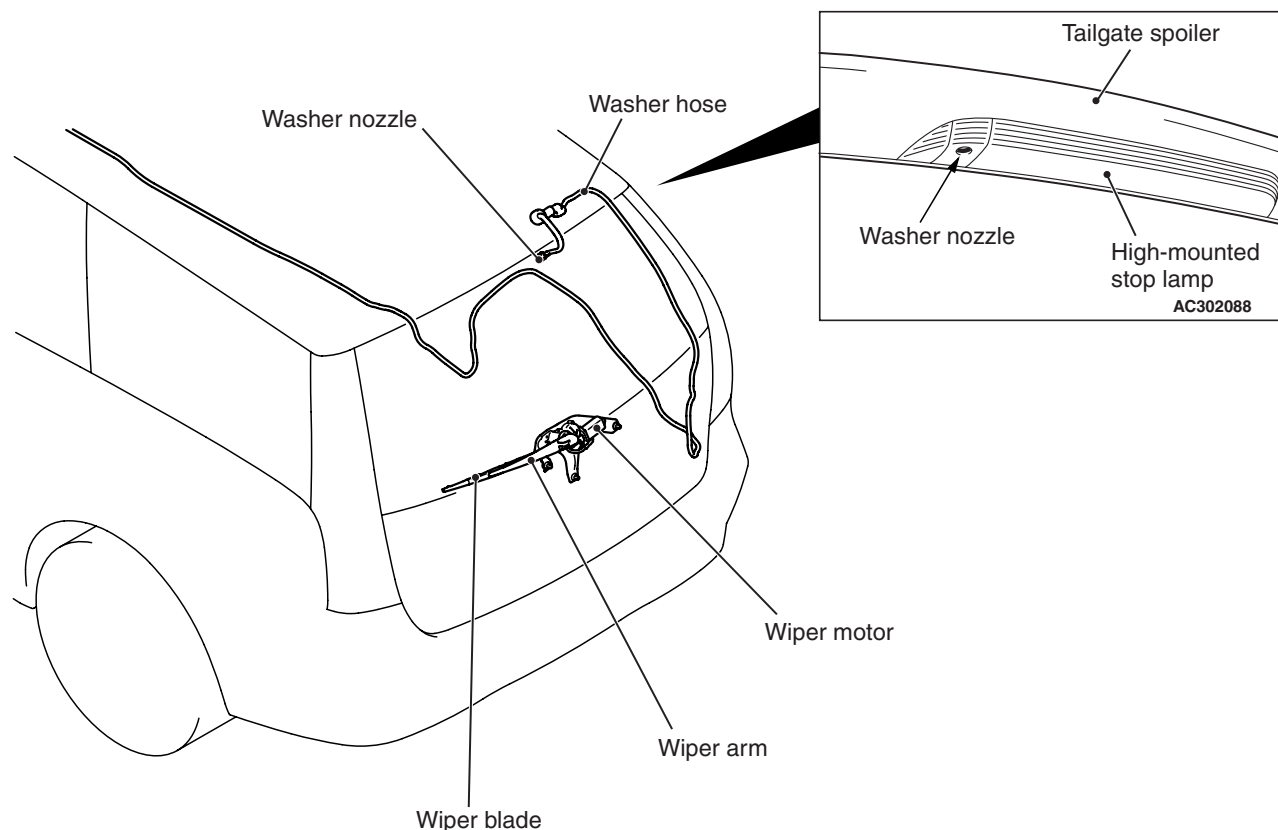
M2510008000243

- A plastic (resin) wiper arm and blade assembly has been adopted for weight reduction, with emphasis on an integrity appearance of the arm and blade for better looking.
- The wiper interval fixed type intermittent wiper has been adopted, thus improving a clear rear view in rainy weather.
- The rear wiper moves a couple of times when the switch is turned on (initial continuous movement), and operates at a fixed interval afterwards to provide a clear rear view in rainy weather.
- When the rear wiper switch is in the intermittent position and the gear in reverse, the rear wiper will continuously wipe 2 to 3 times after about 1 second, and thereafter continue with intermittent wiping with the reverse interlocked wiper function employed.

- The washer-linked wiper function\* has been introduced. The washer fluid can be injected without operating the wiper optionally. When the ignition switch is turned ON with the washer switch ON, the washer motor operates but the wiper does not.
- The washer tank is commonly shared with the windshield washer fluid.
- A washer nozzle has been integrated in the high-mounted stop lamp on tailgate spoiler for improved appearance.
- The diffusion washer nozzle scatters the washer fluid over the tailgate glass surface to minimize the washer fluid falling, improving washing efficiency.
- Check valve integrated washer nozzle is employed. It prevents the leakage from the nozzle in a sudden acceleration or hard turn, and improve the washer injection response when the washer switch is ON.

**NOTE:** \*: Using a customization feature, the washer-linked wiper function can be enabled or disabled optionally. Refer to Group 54B, Customize Function [P.54B-40](#).

## CONSTRUCTION DIAGRAM



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## OUTSIDE MIRROR

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The outside mirror (door mirror) is a folded type and has the following characteristics.

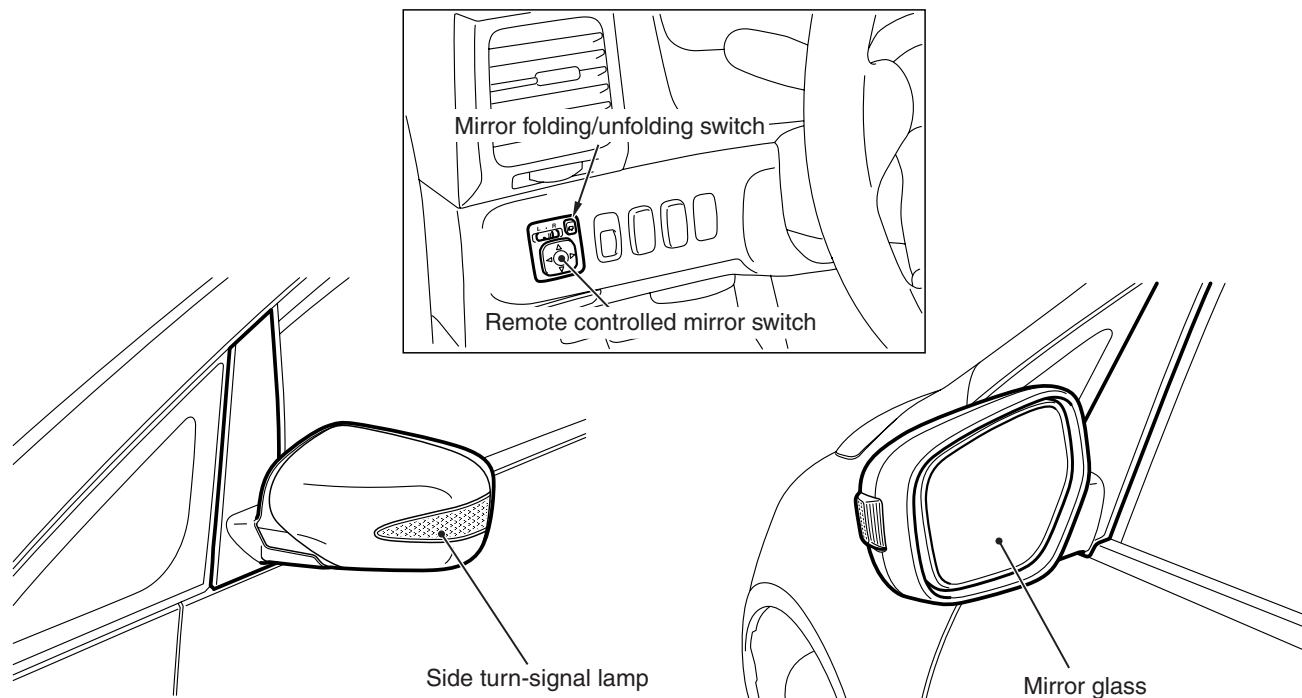
- Features an electric retractable remote controlled mirror.
- Adopted a big surface mirror, so safe confirmation around the vehicle can be done easily.
- Aerodynamic door mirrors have been installed so that the door glasses and door mirrors do not easily get wet with raindrops while driving in a rainy day.
- By ensuring sufficient distance between the door mirror and delta pillar, the blind spot area of the forward visibility is reduced.
- Adopted side turn-signal lamp integrated door mirrors.

- One of the vehicle speed-dependent automatic return function, ignition-linked unfolding/folding function, or keyless entry-linked unfolding/folding function can be selected optionally. \* (Vehicle speed-dependent automatic return function is enabled as a factory setting.)

### NOTE:

- \*: Using a customization function, vehicle speed-dependent automatic return function, ignition-linked unfolding/folding function, or keyless entry-linked unfolding/folding function can be selected optionally. All these functions can also be disabled. Refer to Group 54B, Customize Function [P.54B-40](#).

## CONSTRUCTION DIAGRAM



AC503962AB

**DESCRIPTION OF CONSTRUCTION AND OPERATION****VEHICLE SPEED-DEPENDENT AUTOMATIC RETURN**

A door mirrors automatically develop from their retracted positions to the normal positions when vehicle speed exceeds 30 km/h. When the unfolding/folding switch on the electric remote controlled mirror switch is turned ON position after the ignition switch is turned ON position, the function does not operate to run the vehicle with the door mirrors retracted. When the door mirrors are folded by other than the switch operation on the electric remote controller, the function does not also operate. (ex. When the door mirrors themselves are folded by hands.)

**IGNITION-LINKED UNFOLDING/FOLDING**

When the ignition switch is turned to the ON or OFF position, the door mirrors open or retract accordingly at the same time.

**KEYLESS ENTRY-LINKED UNFOLDING/FOLDING**

When the LOCK or UNLOCK button on the transmitter is pressed, the door mirrors retract or open accordingly at the same time.

**DOOR MIRROR TIMER FUNCTION**

Even after the ignition switch is turned OFF, the door mirrors can be operated for 30 seconds.

*NOTE: The electric retraction mirror relay determines whether the door mirrors are at the retracted position or normal position according to the memory of the previous operation. For this reason, if the mirrors are manually retracted, they may not move when the mirror folding/unfolding switch is pressed next time.*