

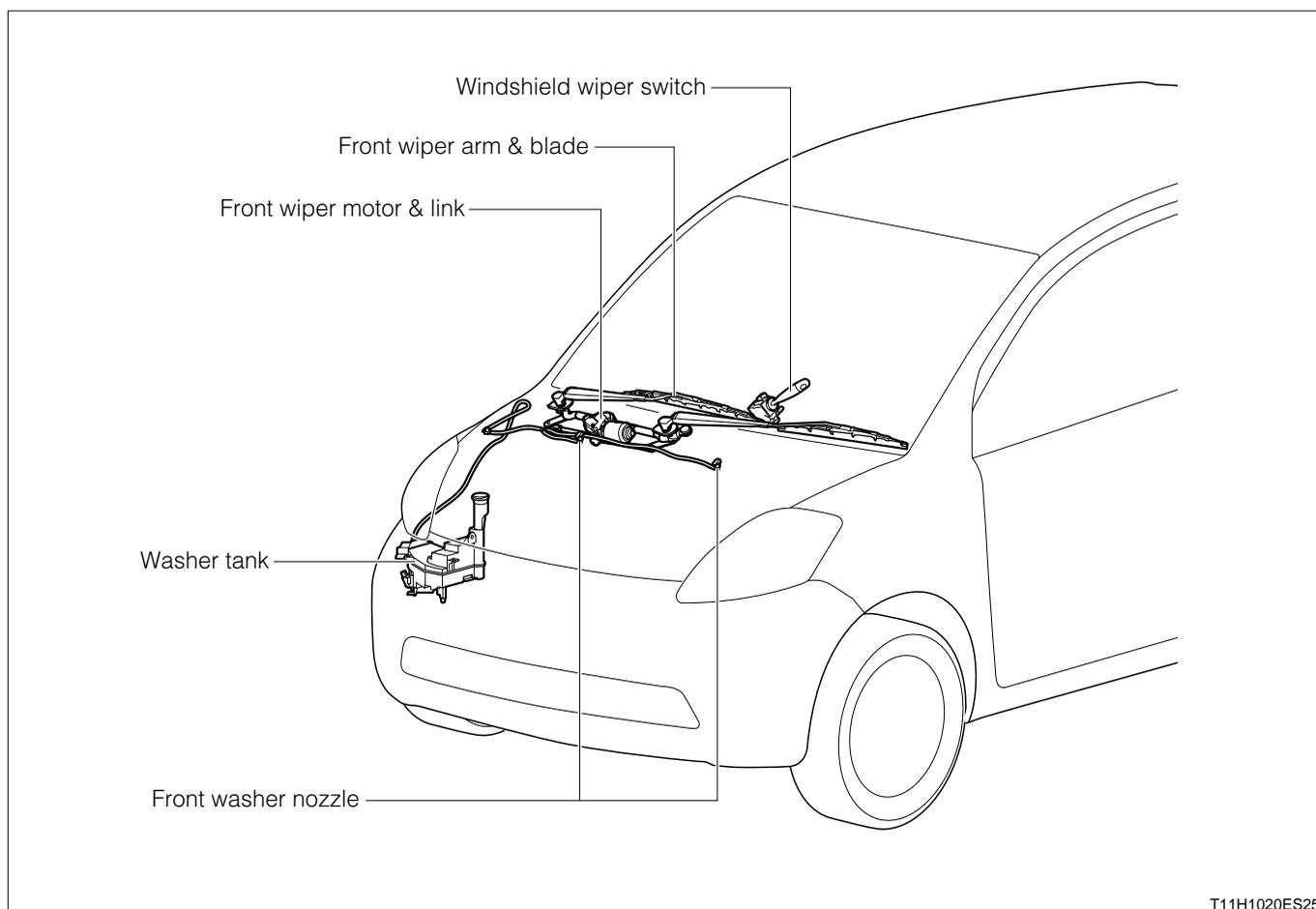
J2 WIPER & WASHER

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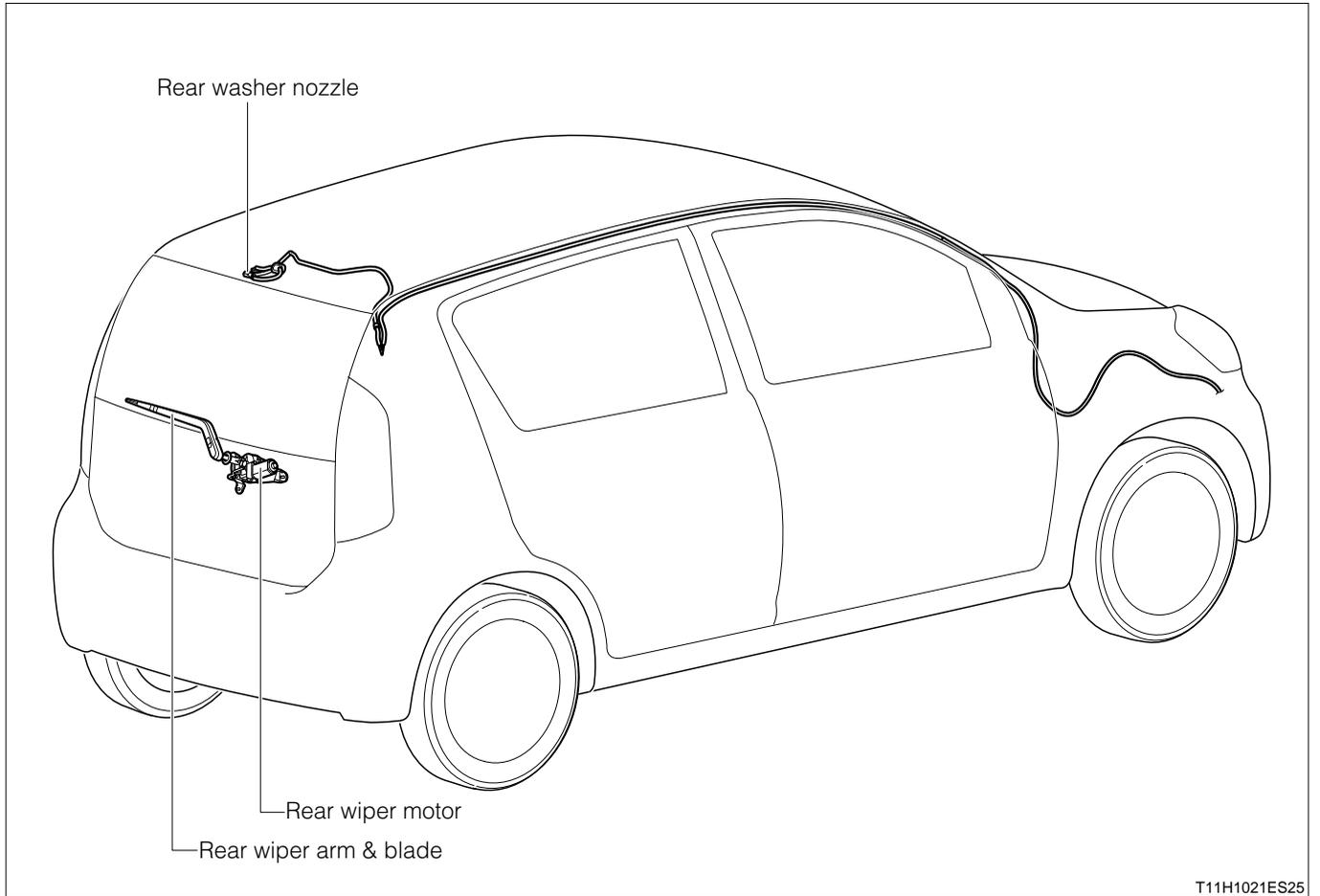
1 OUTLINE

1-1 DESCRIPTION

- 1.Improvements have been made in the downward field of view and the interior appearance of the arm by positioning the front wiper system lower than the previous model.
- 2.The appearance and the workability when replacing the blade has been improved by employing the U-hook type for the tightening of the front wiper arm and the front wiper blade.
- 3.The frame integrated module type has been employed for the installation structure of the front wiper motor and the front wiper link. As a result, the system rigidity has been enhanced, thus reducing the wiper operation sound as well as the variation of the wiper sweep angle.
- 4.Careful consideration has been made for the protection of pedestrians by employing a pivot section breaking structure for the front passenger seat side wiper.
- 5.The rear wiper which has a plastic arm and blade has been provided on some specifications.
- 6.Two 1-hole type washer nozzles have been set in the front and one 1-hole type washer nozzle has been set in the rear side.

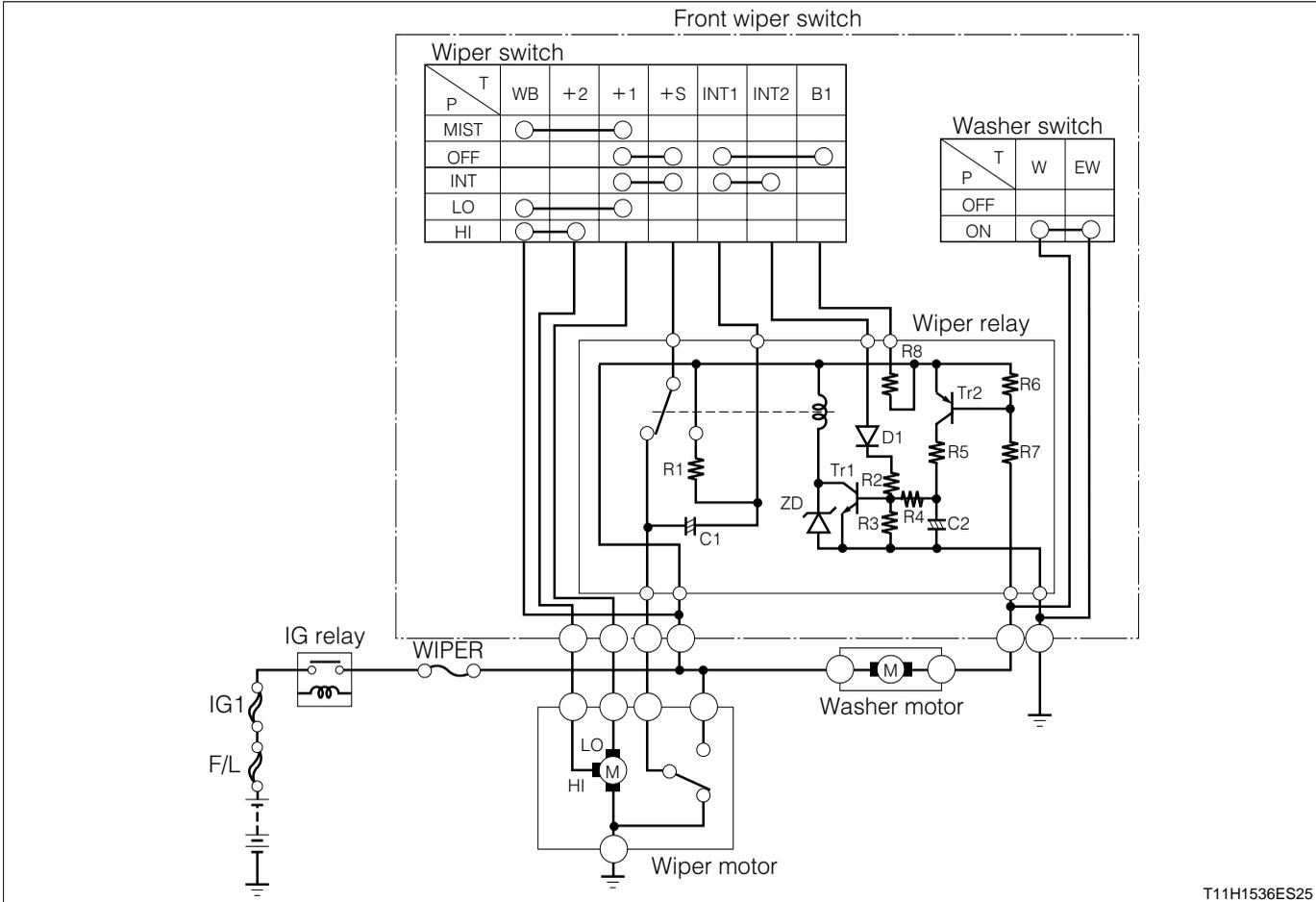


The illustration represents the RHD vehicle.

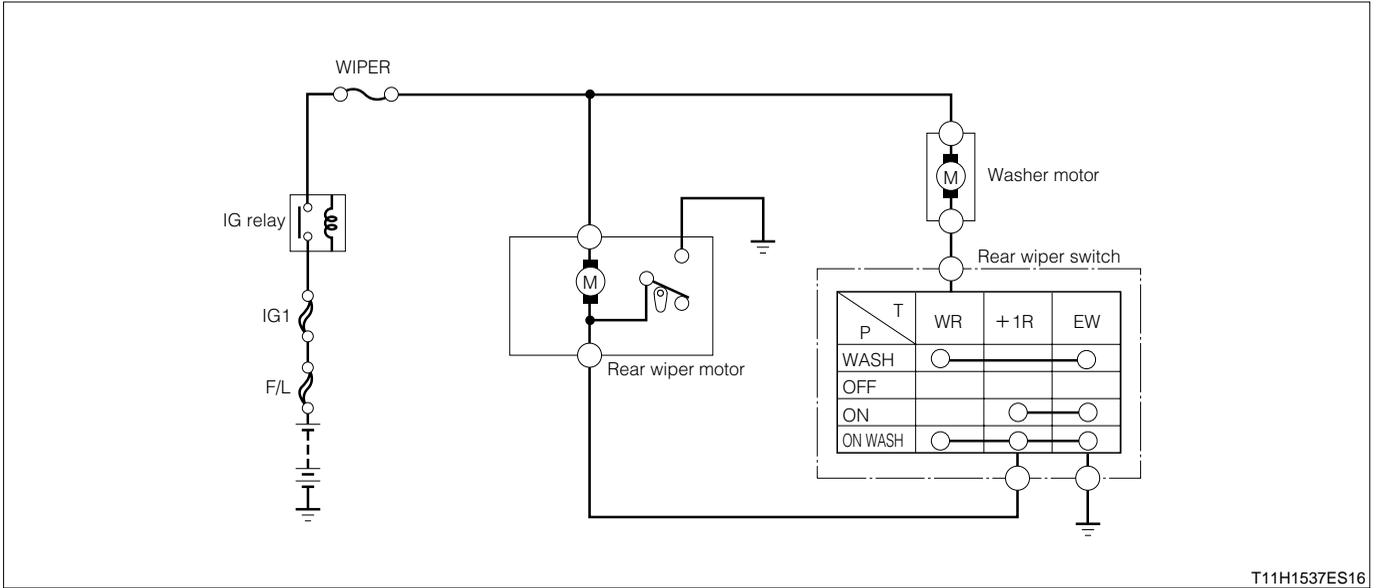


1-2 SYSTEM WIRING DIAGRAM

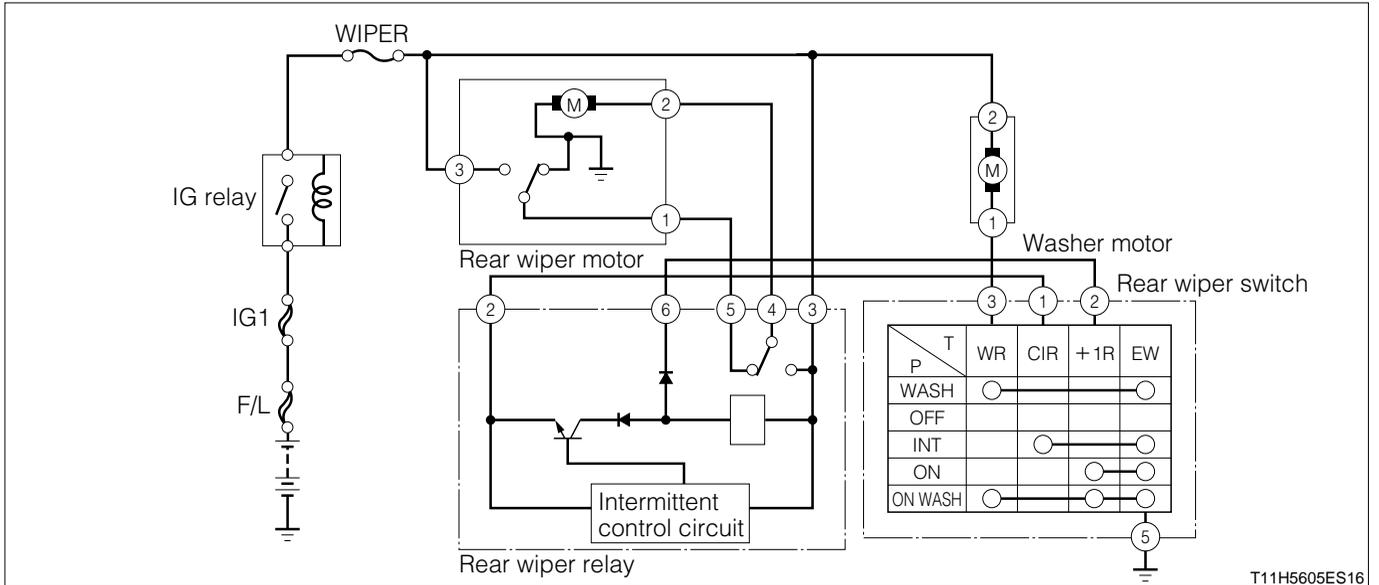
1-2-1 FRONT WIPER & WASHER



1-2-2 REAR WIPER & WASHER (VEHICLES WITHOUT INTERMITTENT FUNCTION)



1-2-3 REAR WIPER & WASHER (VEHICLES WITH INTERMITTENT FUNCTION)



2 CONSTRUCTION AND OPERATION

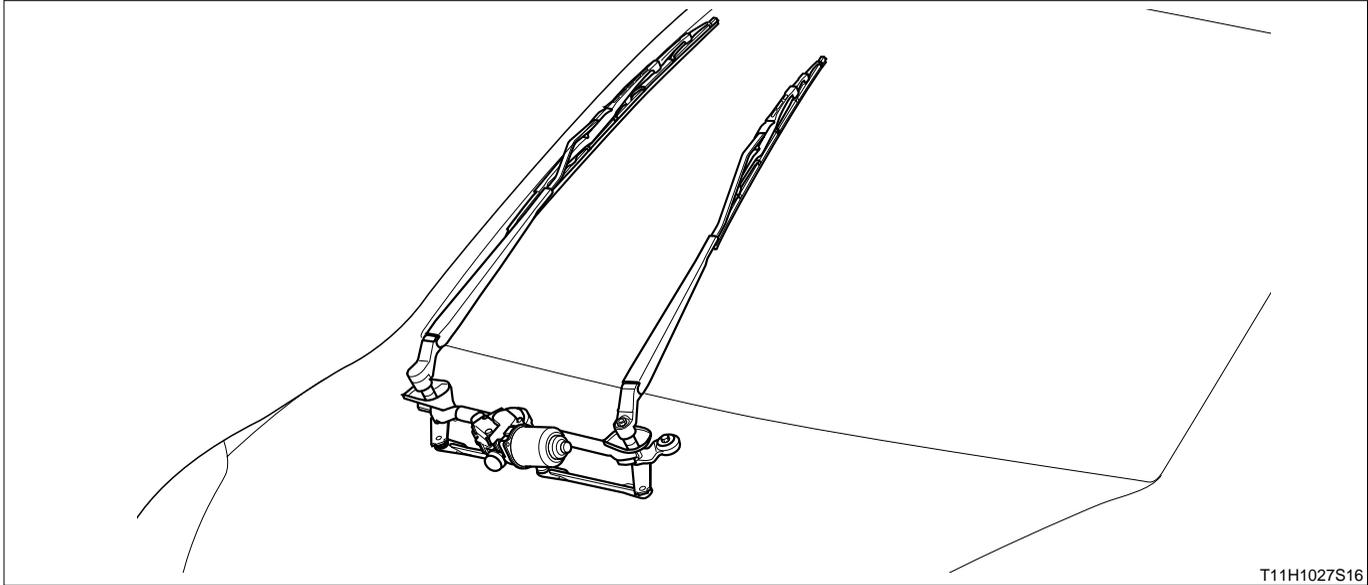
2-1 FRONT WIPER

2-1-1 DESCRIPTION

- 1.The module type wiper motor & link has been employed for the front wiper.
- 2.Careful consideration has been made for the protection of pedestrians by employing a breaking structure for the front passenger seat side pivot section.

2-1-2 FRONT WIPER MOTOR AND LINK

The frame integrated module type has been employed for the installation structure of the front wiper motor and the front wiper link. As a result, the system rigidity has been enhanced, thus reducing the wiper operation sound as well as the variation of the wiper sweep angle.



2-1-3 FRONT WIPER MOTOR

For the front wiper motor, a motor with rated voltage of 12V and rated torque of 18N·m has been employed for all models.

Specification table

Rated voltage (V)	12
Rated torque (N·m)	18

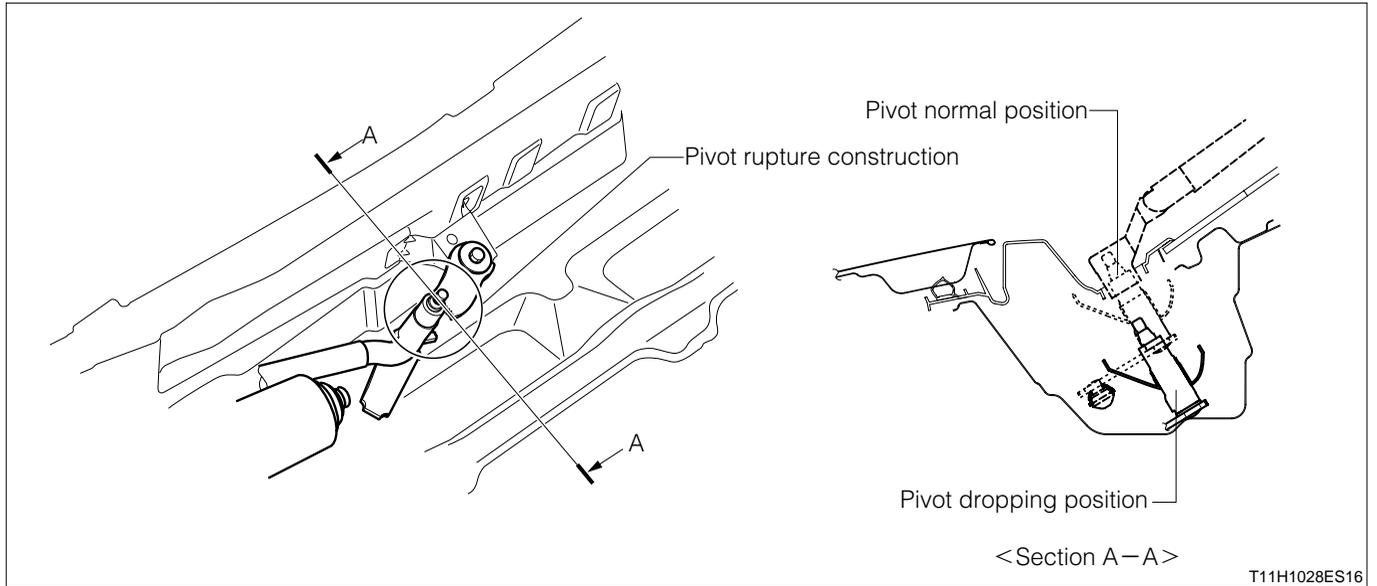
2-1-4 FRONT WIPER ARM & BLADE

Specification table

Driver seat side front wiper blade length (mm)	500
Front passenger seat side front wiper blade length (mm)	400

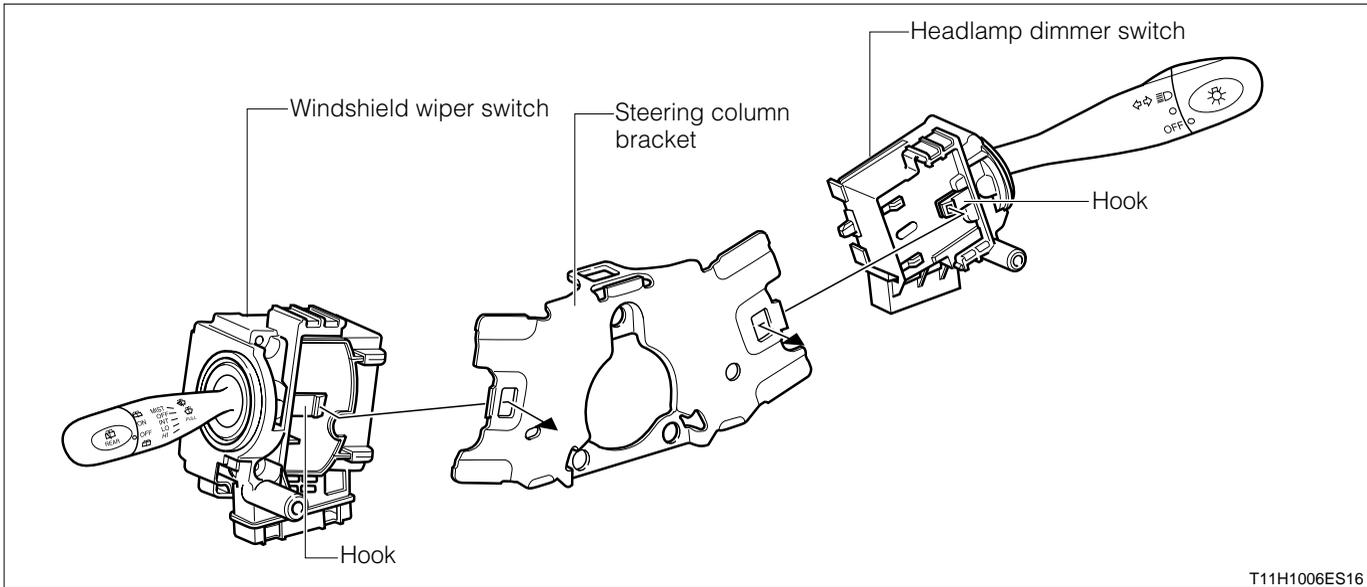
2-1-5 FRONT WIPER LINK

1. Careful consideration has been made for the protection of pedestrians by employing the pivot section breaking structure for the front passenger seat side wiper.
2. A structure in which it is difficult for the head of the pedestrian to hit the base of the wiper directly has been employed by positioning the hood higher than the base of the wiper.
3. Even in the event that the vehicle and the pedestrian collide and the pedestrian hit the base of the wiper, the pivot shaft falls off downward and reduces the impact by the breaking of the pivot section due to the impact.

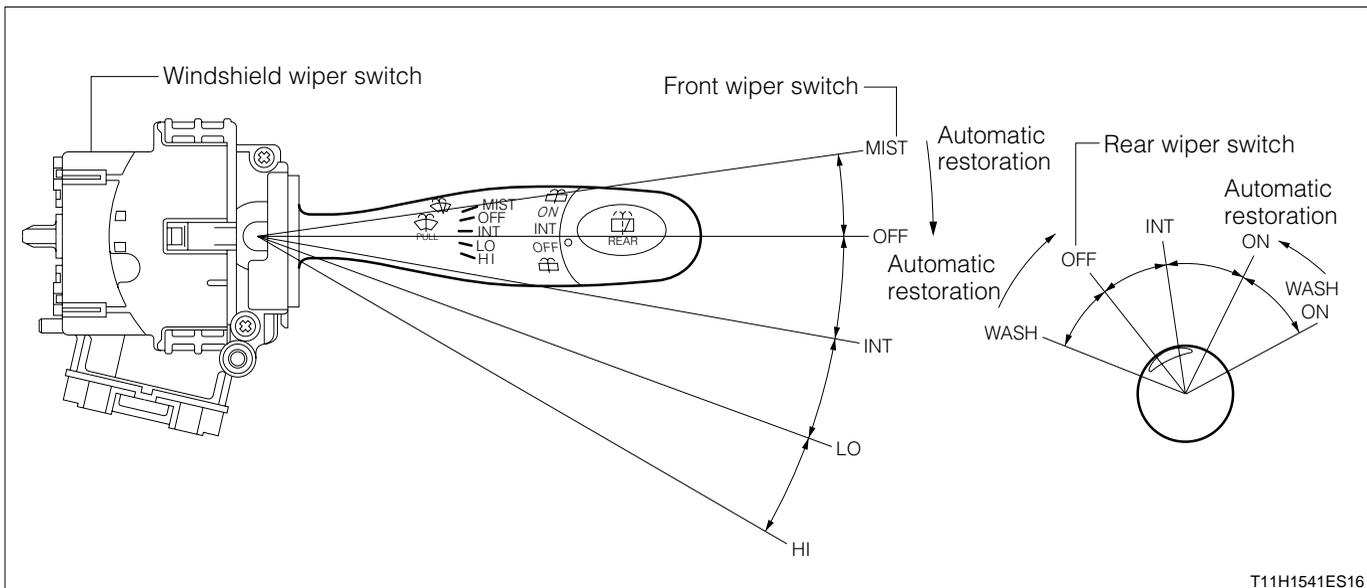


2-1-6 WINDSHIELD WIPER SWITCH

By positioning the headlamp dimmer switch and the windshield wiper switch independently, replacement of the windshield wiper switch has been made possible without removing the steering wheel. In this way, the serviceability has been enhanced.



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2-2 REAR WIPER

2-2-1 DESCRIPTION

Individual replacement of the rear wiper blade has been made possible by letting the rear wiper arm and the blade have separate body structure made of resin.

2-2-2 REAR WIPER MOTOR

The rear wiper motor is common for all models.

Specification table

Rated voltage (V)	12
Rated torque (N·m)	7

2-2-3 REAR WIPER ARM & BLADE

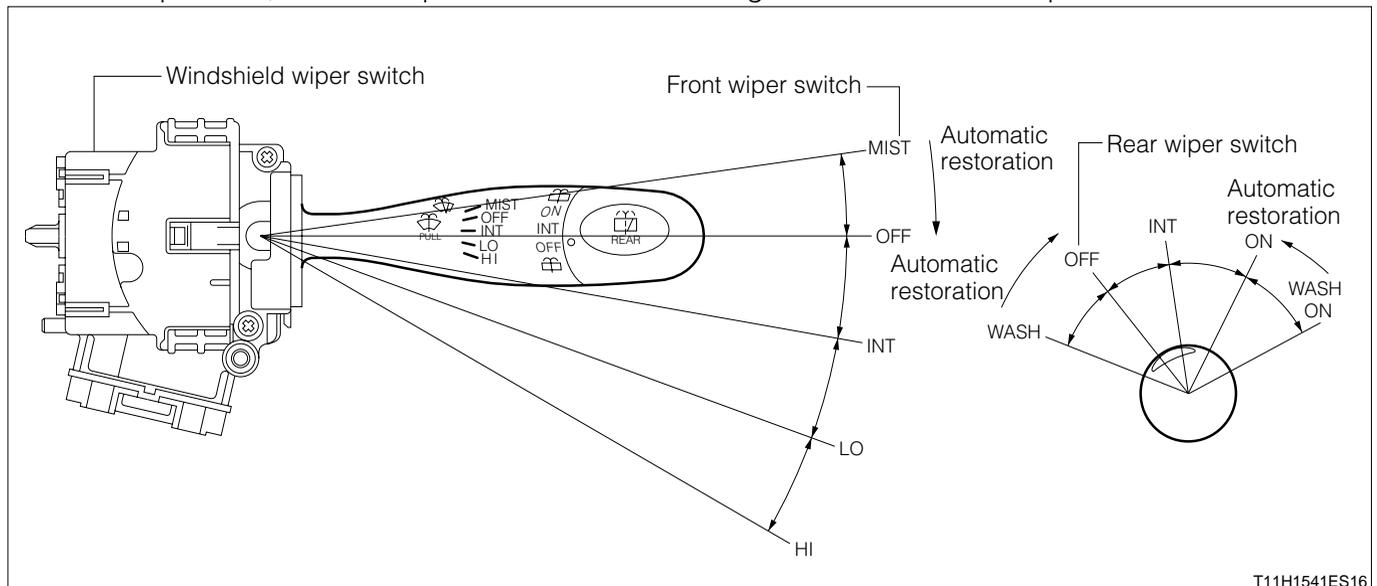
1. Individual replacement of the rear wiper blade has been made possible by letting the rear wiper arm and the rear wiper blade have separate body structure made of resin.
2. The rear wiper arm and the rear wiper blade have the specification common for all models.

Specification table

Rear wiper blade length (mm)	350
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2-2-4 REAR WIPER SWITCH

For easier operation, the rear wiper switch has been integrated with the front wiper switch.



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2-3 WASHER

2-3-1 WASHER TANK & PUMP

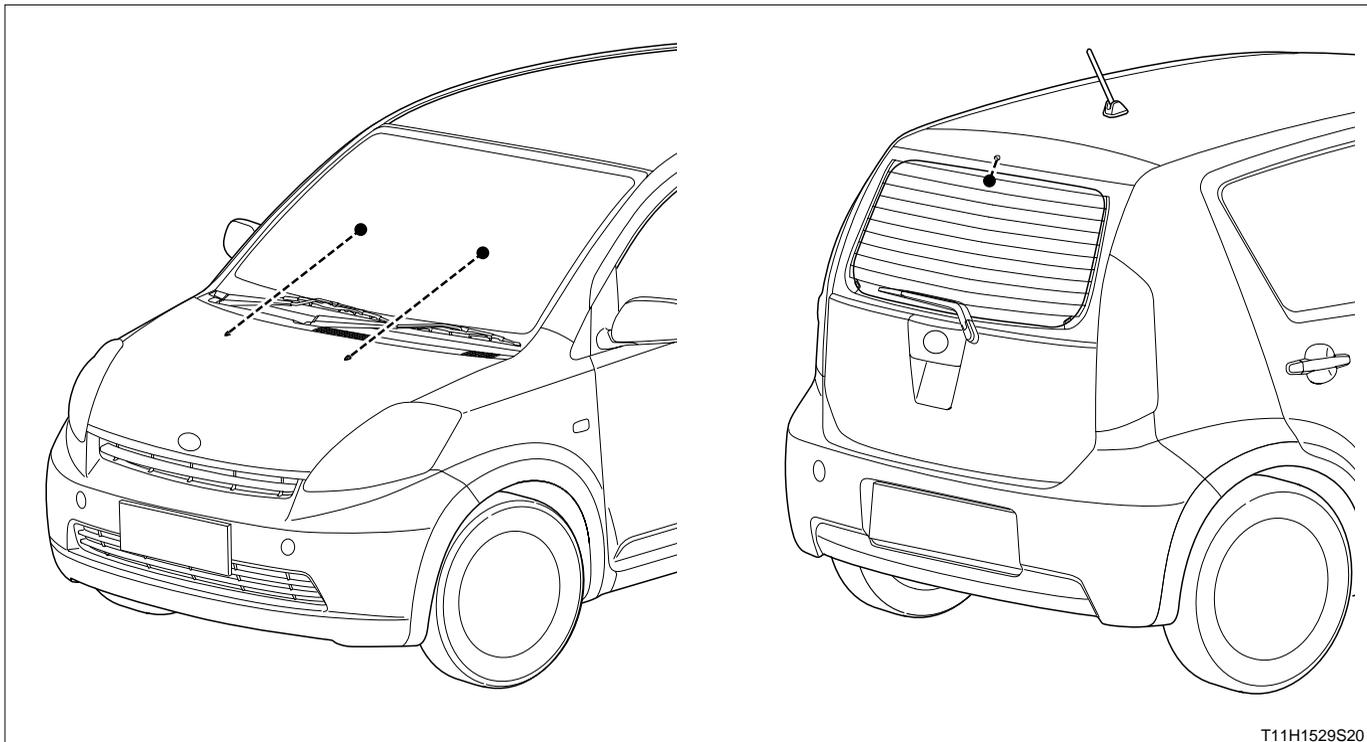
- 1.The washer tank has been positioned below the right headlamp.
- 2.A wash tank of 2.0ℓ and pump have been employed for all models.

Specification table

Tank capacity (ℓ)	2.0
Rated voltage (V)	12
Current when in use (A)	Not to exceed 2.0
Pump injection pressure (kPa)	150±30
Injection flow rate (ℓ/minute)	1.1 or more

2-3-2 WASHER NOZZLE

- 1.Two 1-hole type washer nozzle has been set in the front and one 1-hole type washer nozzle has been set in the rear side.
- 2.A stable cleaning performance during high speed driving has been achieved by setting two washer nozzles in the front.



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