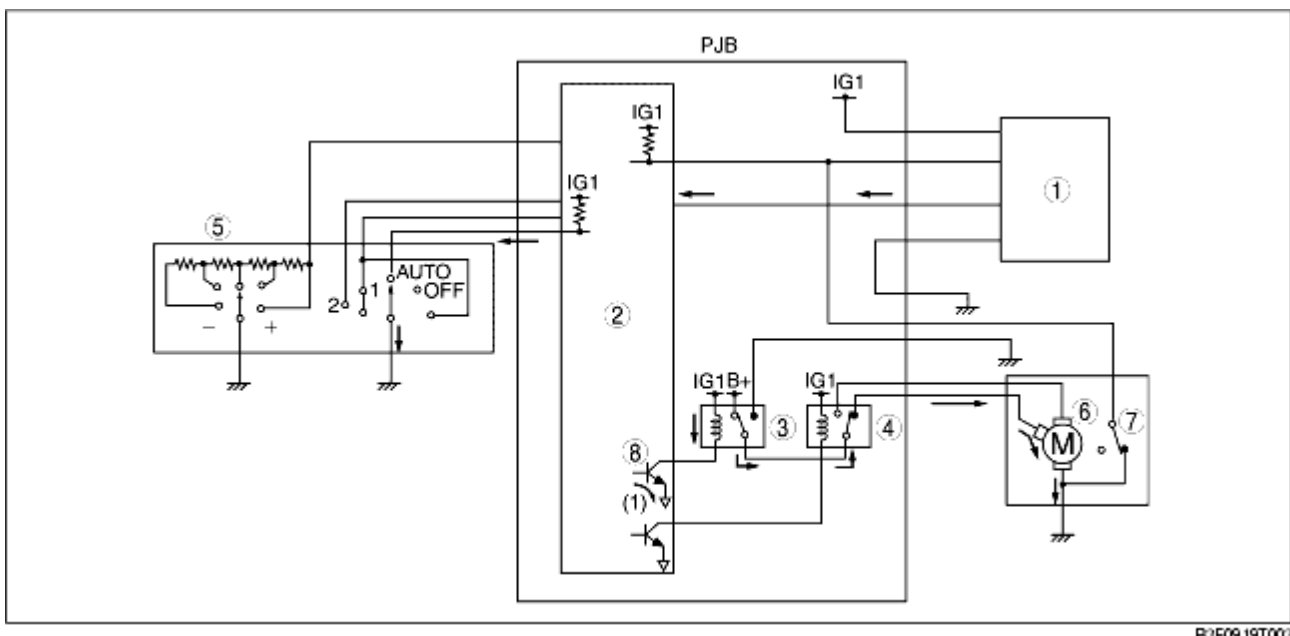


AUTO WIPER SYSTEM OPERATION

B3E091901052T12

1. The rain sensor installed in the windshield detects rainfall amount when the wiper and washer switch is moved to the AUTO position.
2. The detected rainfall amount is converted to an electric signal and transmitted to the PJB as a windshield wiper operation control signal.
3. The microcomputer in the PJB receives the control signal and sends currents (1) to transistor A respectively, causing the transistor to turn on.
4. When transistor A turn on, the windshield wiper relay also turn on.
5. When the windshield wiper relay is on, current flows to the windshield wiper motor for wiper operation at low speed.



1	Rain sensor
2	Microcomputer
3	Windshield wiper relay
4	Windshield wiper HI relay
5	Wiper and washer switch
6	Windshield wiper motor
7	Auto-stop switch
8	Transistor A

Interval Operation

- If the windshield wipers are stopped and the rain sensor detects a specified amount of rainfall, the wipers are operated at low speed. The interval timing is adjusted according to the amount of rainfall detected.

Low speed operation

- If the windshield wipers are operating at intervals and the rain sensor detects a specific amount of rainfall, the wipers are operated continuously at low speed.

High speed operation

- If the windshield wipers are operating at low speed or stopped and the rain sensor detects an amount of rainfall that is greater than that for low speed operation, the wipers are operated two times at high speed. After operating at high speed two times, if the rain sensor detects an amount of rainfall that is greater than that for low speed operation, the wipers continue to operate at high speed.