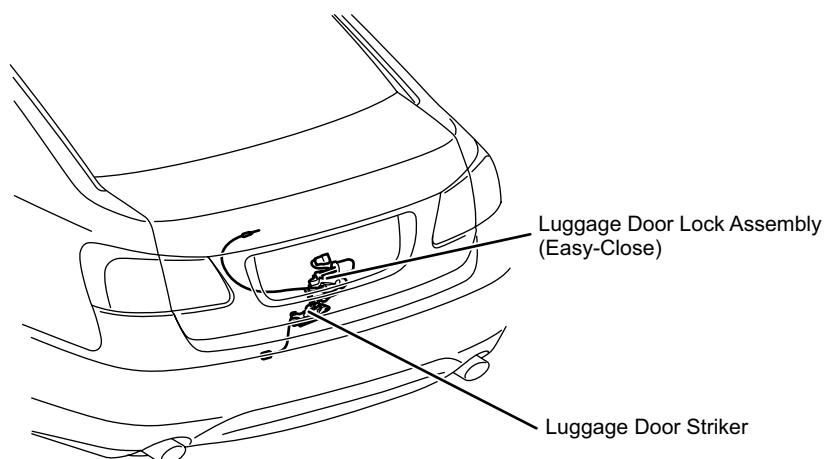


ENGINE HOOD / DOOR

Luggage Door Easy-Close System

- A "luggage door easy closer" system, which is operated by a motor, is used to fully close the luggage compartment door automatically if it is left ajar, and is provided on all models as standard equipment. As a result, the user is able to close the luggage compartment door by applying a slight force.
- The left side J/B ECU controls the system based on the information provided by the various switches that are built into the luggage door lock assembly.

Luggage Door Easy-Close System Components

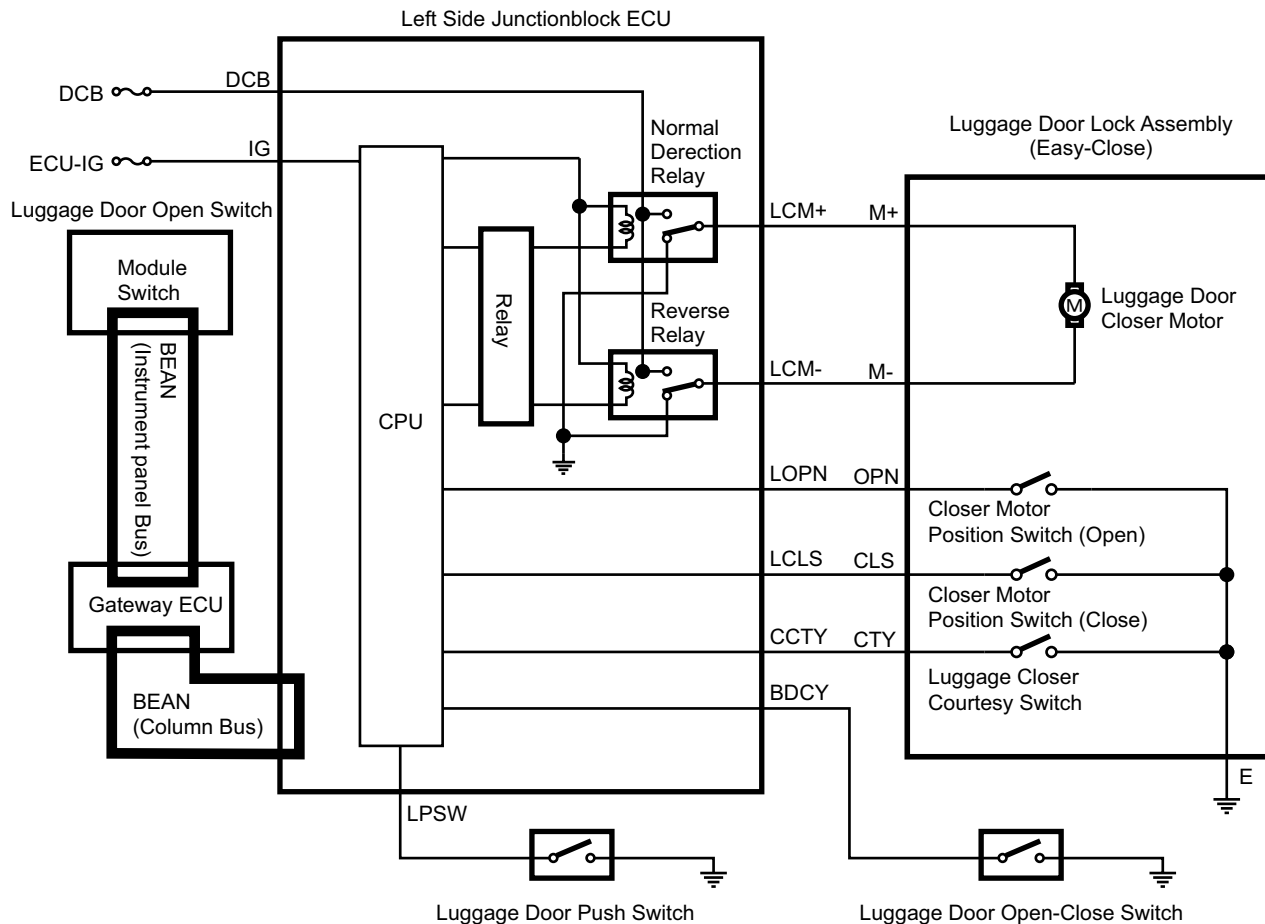


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Luggage Door Easy-Close System Function

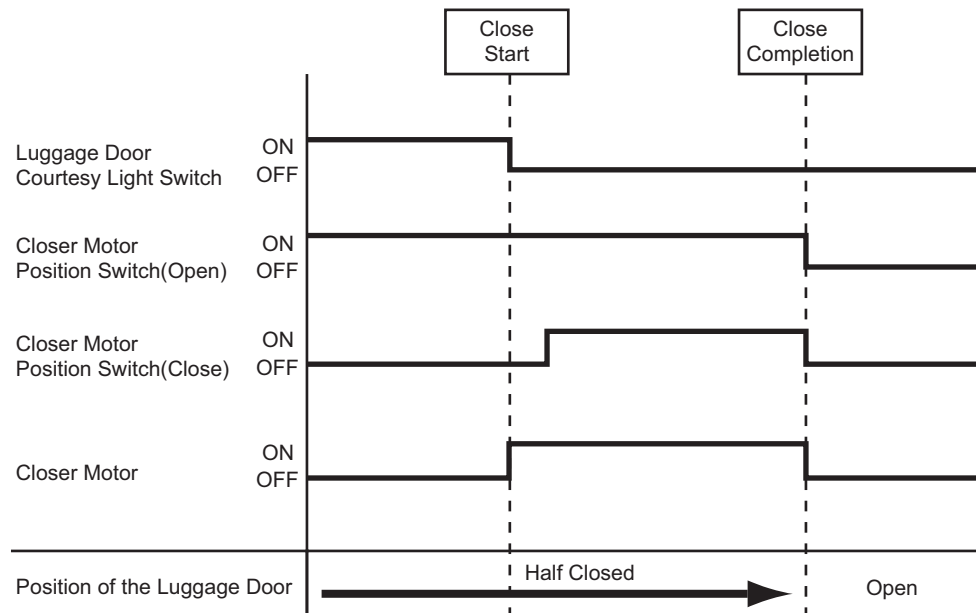
- When the user closes the luggage compartment door to the ajar state, the luggage door closer motor operates in the normal direction, in order to fully close the luggage compartment door automatically.
- If the ECU detects that a foreign object is jammed in the door while the motor is operating, the ECU stops the closing operation (normal direction of the motor) and performs a reversal operation (reverse direction of the motor).

Luggage Door Easy-Close System Operation



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Luggage Door Close Operation

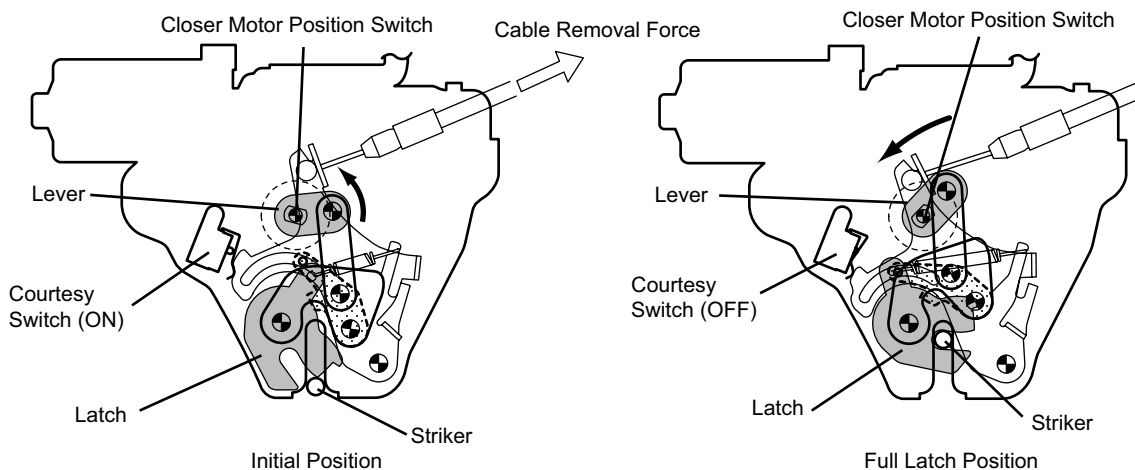


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- Upon detecting that the luggage door courtesy light switch has been turned from ON to OFF as the luggage door moves from the "open" to the "ajar" position, the left side J/B ECU turns ON the normal rotation relay to operate the closer motor in the normal direction until it reaches the "complete closed position".

Luggage Door Lock Assembly (Easy-Close)

- This construction consists of a lever that transmits the motive force of the motor and various linkages that are connected to the lever in order to both engage and disengage the latch by operating the motor in the normal direction.
- A courtesy light switch, which turns ON and OFF in accordance with the engagement and disengagement of the latch, is provided inside the luggage door lock assembly.
- "Open" and "Close" closer motor position switches are provided in the luggage door closer motor unit to detect the rotational position of the motor.
- The latch mechanism is connected mechanically to the luggage door key cylinder via a cable. Thus, the latch mechanism is actuated when the user inserts a mechanical key into the luggage door key cylinder and turns it.



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