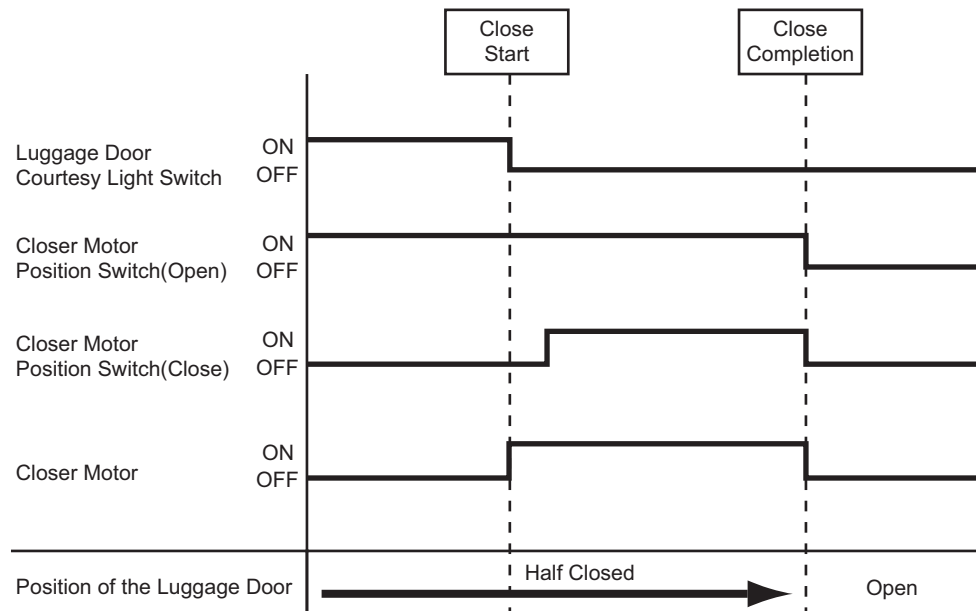


Luggage Door Close Operation

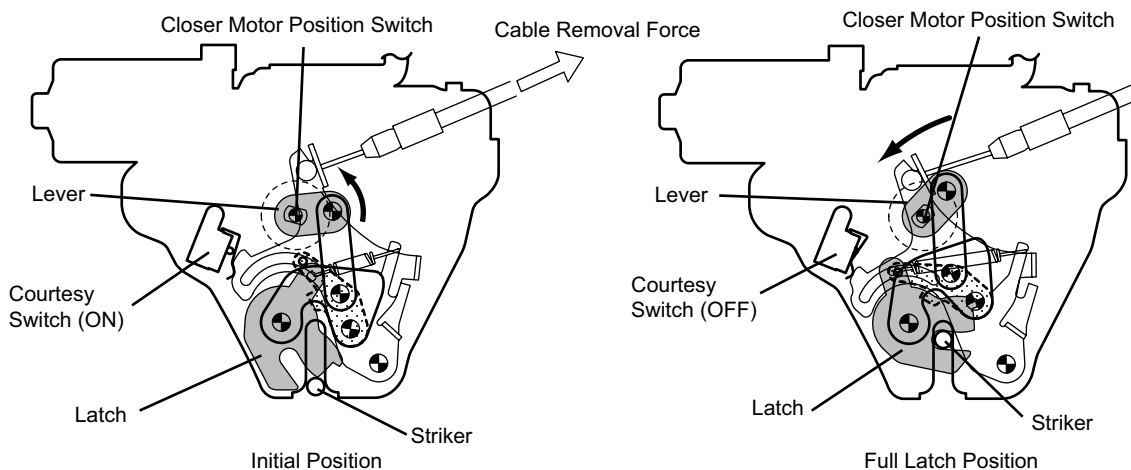


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- Upon detecting that the luggage door courtesy light switch has been turned from ON to OFF as the luggage door moves from the "open" to the "ajar" position, the left side J/B ECU turns ON the normal rotation relay to operate the closer motor in the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

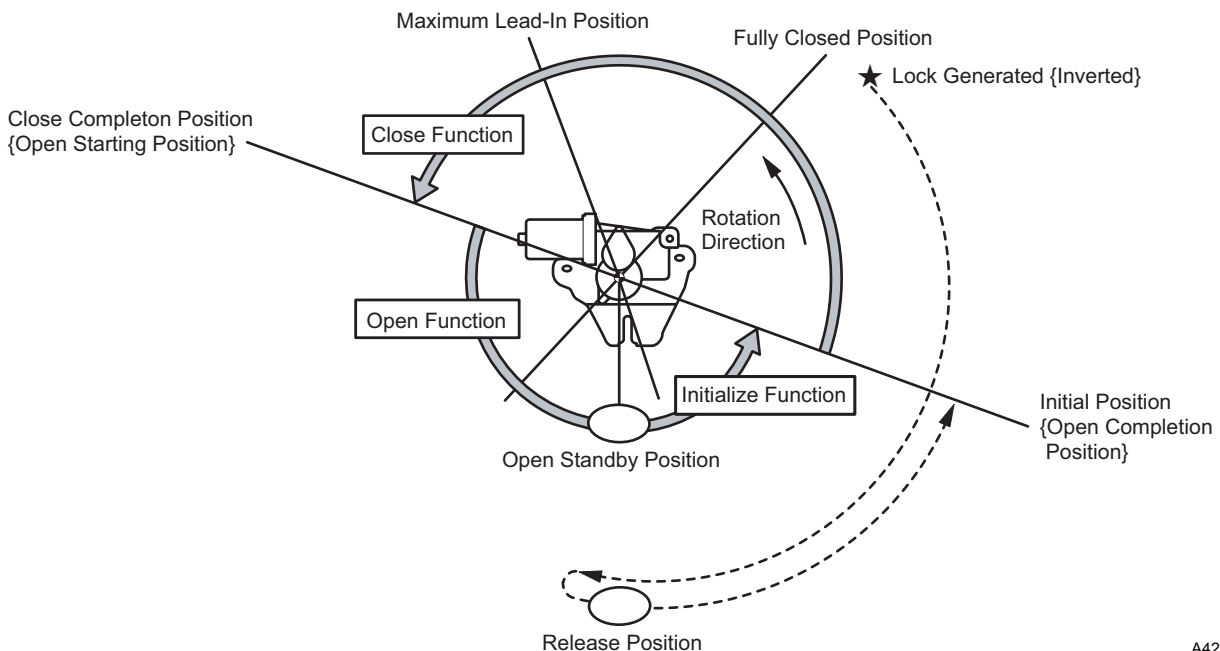


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Luggage Door Easy Closer Position Detection Switch

Closer Motor Position Switches (Open and Close)

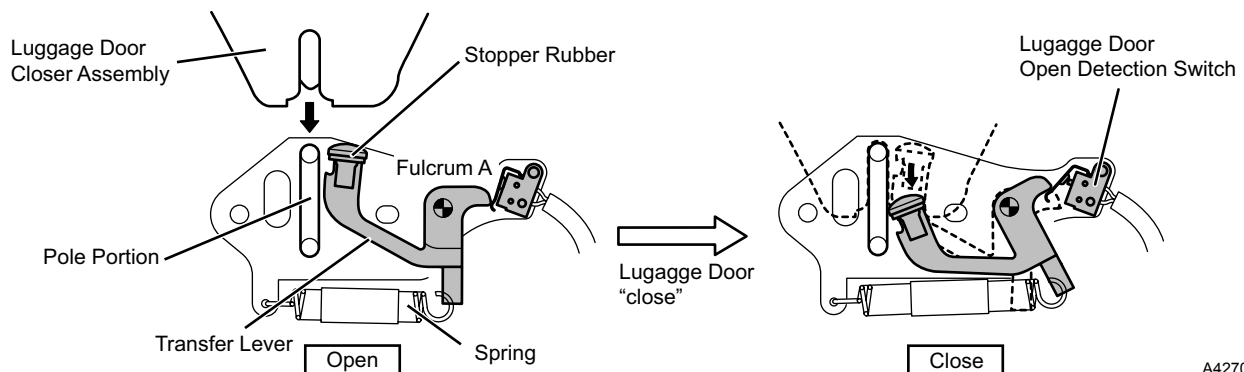
- The "Open" and "Close" closer motor position switches are provided coaxially to the lever and their ON and OFF operations are linked to the rotational movement of the motor. Upon receiving the ON and OFF input signals from these two switches, the left side J/B ECU detects the rotational position of the closer motor in accordance with the combination of the two signals.
- One rotation of the lever is divided into the following regions, based on the angle of the lever at the center of the rotation: close operation region, open operation region, and initialization operation region. The left side J/B ECU controls the motor in accordance with the ON and OFF signals of the luggage door courtesy light switch or the "Open" and "Close" closer motor position switches, in order to perform the closer operation.
- When the luggage door closer system is normal, the system controls the motor to operate in the normal direction, based on the position detected from the combination of the two signals from the "Open" and "Close" switches: open completion position, close completion position, open standby position, and open completion position.



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Luggage Door Open Detection Switch

- When the luggage compartment door is open, the rubber stopper end of the luggage door transfer lever is always higher than the striker. Thus, fulcrum A and the spring adjust the striker so that its opposite end pushes on the door opening detection switch. Accordingly, the door opening detection switch turns ON when the luggage compartment door is open, and turns OFF when the door is closed.



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