
FRONT DOOR LOCK ACTUATOR

id091400108300

Purpose

- Performs lock/unlock switching of the front doors electrically based on the signal from the rear body control module (RBCM).

Function

Lock function

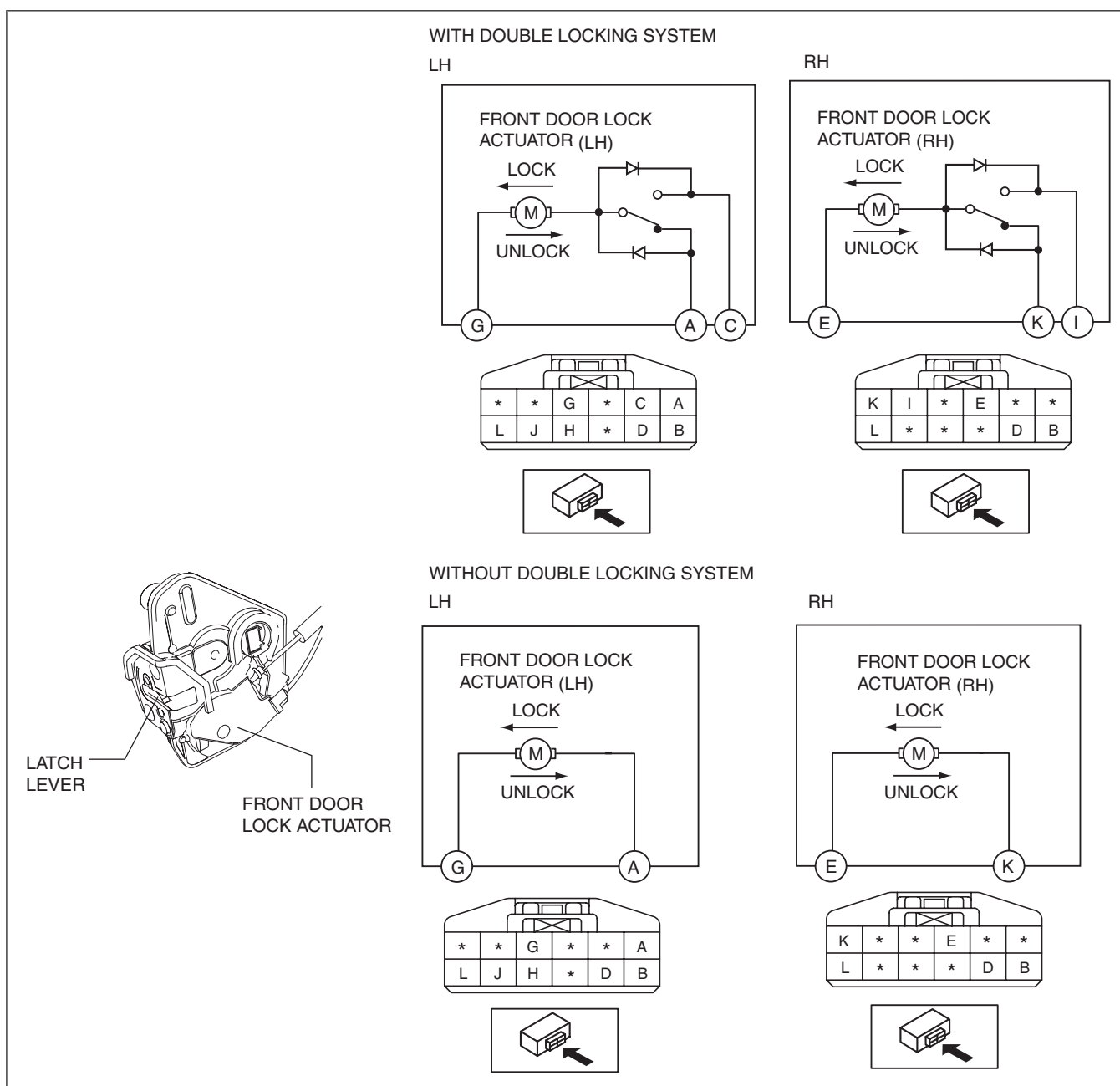
- The built-in motor is operated in the lock direction, and the latch lever will not release even if an inner/outer handle is operated.

Unlock function

- The built-in motor is operated in the unlock direction and the latch lever releases when an inner/outer handle is operated.

Construction

- The front door lock actuator has a built-in motor, and the link installed to the motor moves in the lock/unlock direction in conjunction with the motor rotation.
- The link for the inner/outer handle and latch lever can be disconnected by the movement of the link installed to the motor.
- When the door lock is unlocked, the link for the inner/outer handle and latch lever release is connected.
- When the door lock is locked, the link for the inner/outer handle and latch lever release is disconnected.



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Operation

Lock operation

1. The front door lock actuator rotates the built-in motor to the lock side.
2. When the motor rotates to the lock side, the link installed to the motor moves in the lock direction, and the link for the inner/outer handle and latch lever release disconnects.
3. When the link connection is disconnected, the latch lever cannot be released even if an inner/outer handle is operated.

Unlock operation

1. The front door lock actuator rotates the built-in motor to the unlock side.
2. When the motor rotates to the unlock side, the link installed to the motor moves in the unlock direction, and the link for the inner/outer handle and latch lever release connects.
3. When the link connects, the latch lever releases by the inner and outer handle operation.

Double locking operation

1. The front door lock actuator rotates the built-in motor to the double locking side based on the double locking operation signal from the rear body control module (RBCM).
2. When the motor rotates to the double locking side, the connection of the door lock knob and front door lock link is disconnected.

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3. When the link is disconnected, switching between lock/unlock is not possible even if the door lock knob is operated.

Fail-safe

- Function not equipped.