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Mazda CX 9 2017 Manual - Service & Repair Guide

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STAY DAMPER DISPOSAL

SM2899262

id09110052100

Stay Damper Disposal (Without Power Liftgate (PLG))

Note

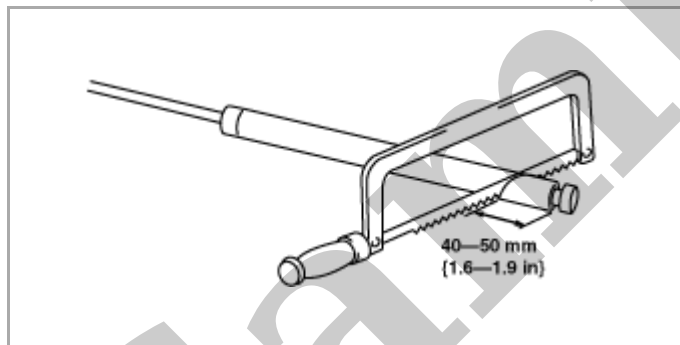
- The stay damper contains colorless, odorless, nontoxic gas.

1.Wear protective eye wear.

Warning

- When cutting the stay damper, wear protective eye wear to prevent the gas or oil from getting into your eyes. Otherwise, the force of the gas and oil spraying out could lead to injury.

2.Position the stay damper horizontally.



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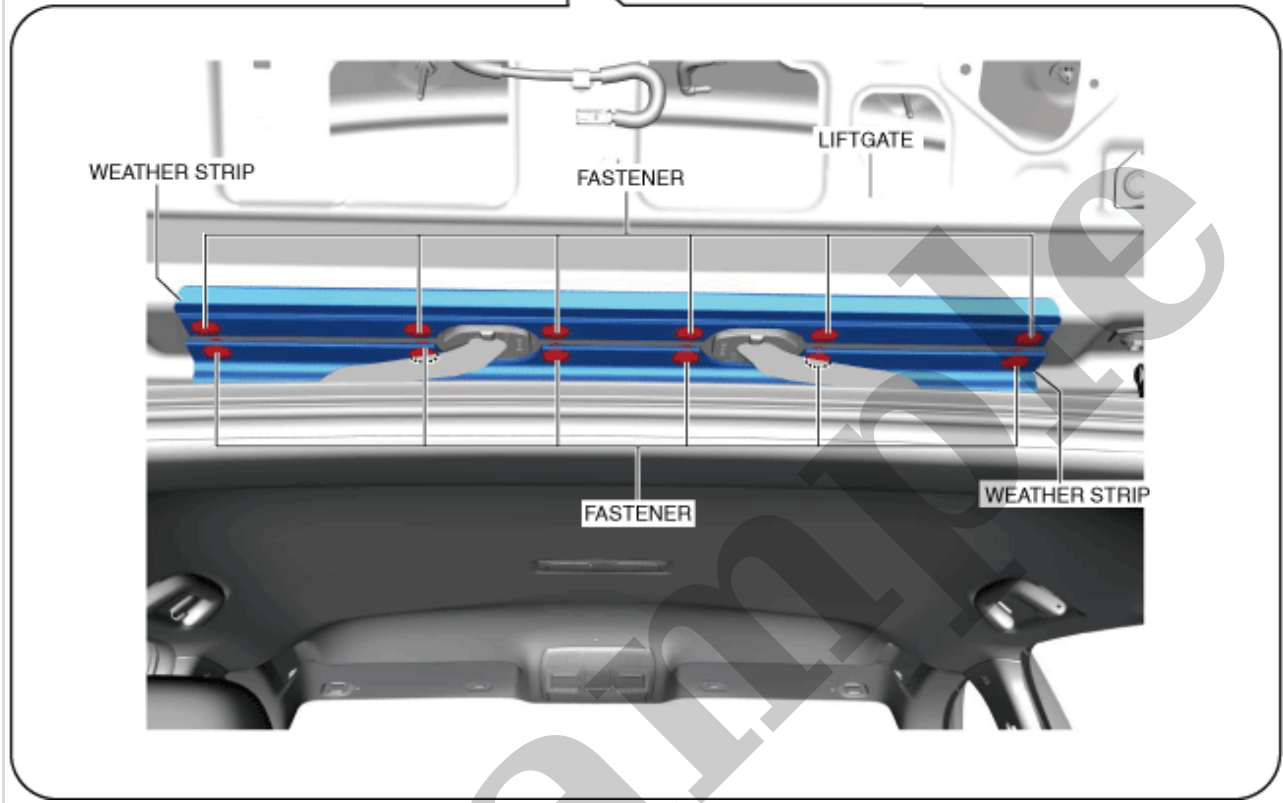
3.Drain gas and oil by cutting the position shown in the figure to a 2-3 mm (0.08-0.11 in) depth using a metal saw.

4.Verify that the gas and oil is drained completely by pulling and pushing the piston rod several times with the cut position facing downward.

5.Spray or pour water on the door and surrounding area using a hose or a high pressure car wash machine, and verify that there is no water leakage.

6.If the front door is adjusted, perform the 360° view monitor system aiming. (with 360° view monitor system) (See **360°VIEW MONITOR SYSTEM AIMING.**)

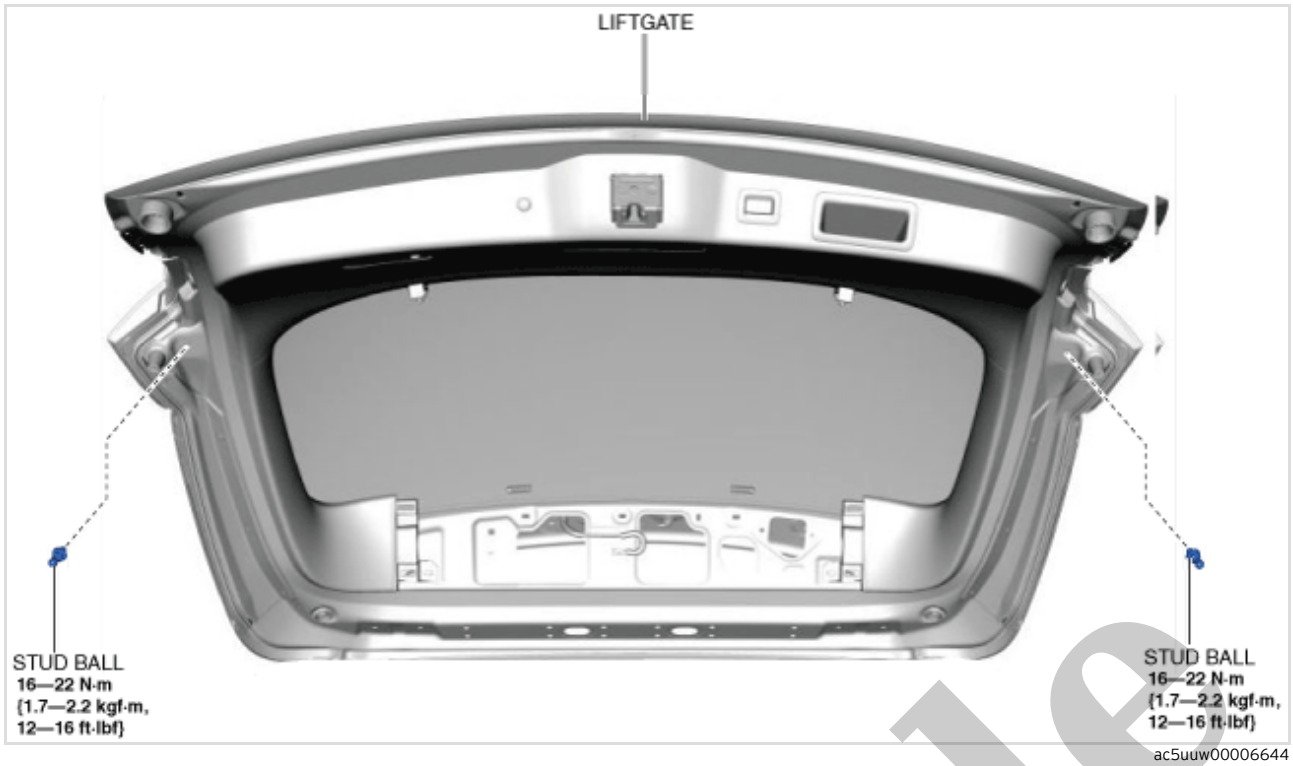
Sample



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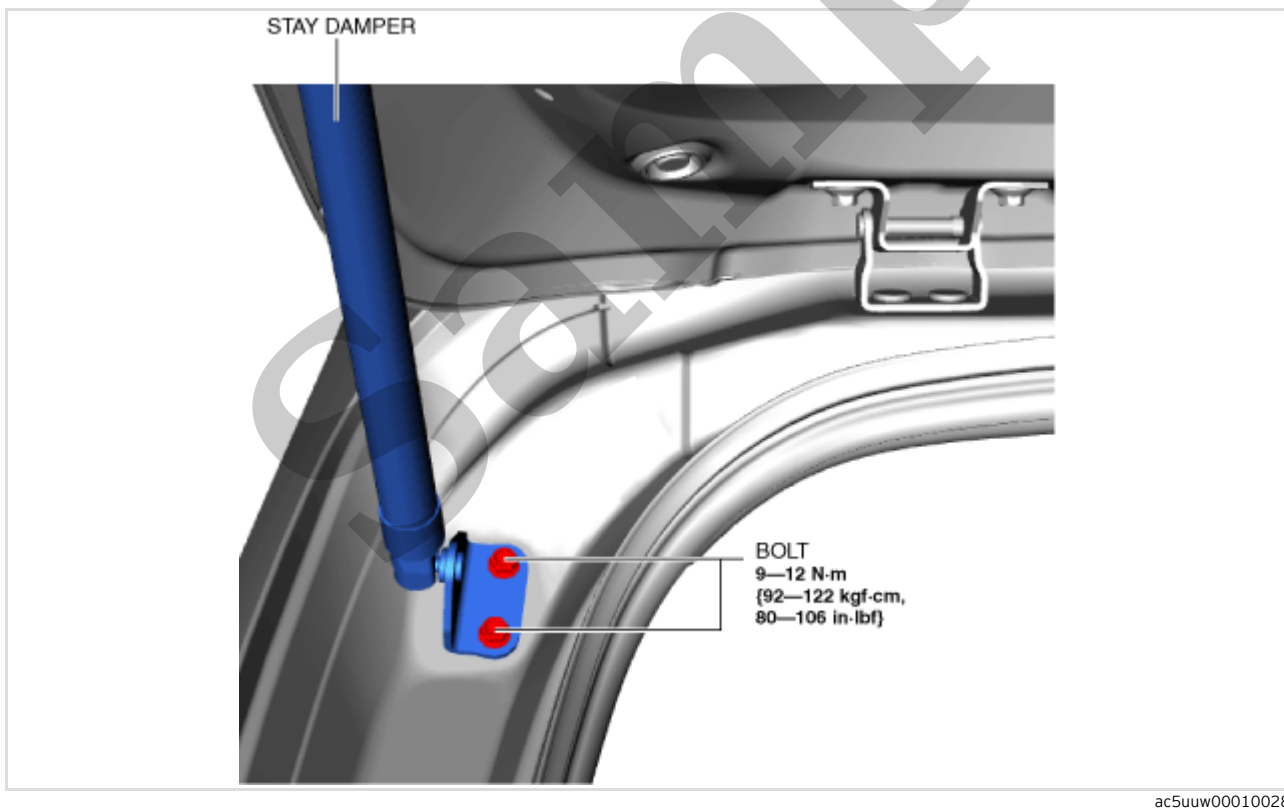
7. Remove the weatherstrips.

8. Move the liftgate grommet in the directions of the arrows shown in the figure, and remove the liftgate grommet from the inner liftgate grommet.



14. When removing the stay damper, perform the following procedure (without power liftgate (PLG) system) :

(1) Remove the bolts.

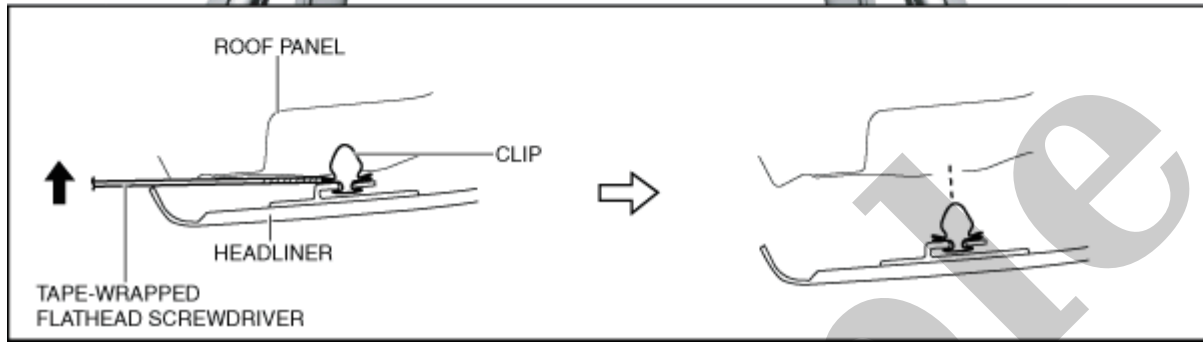
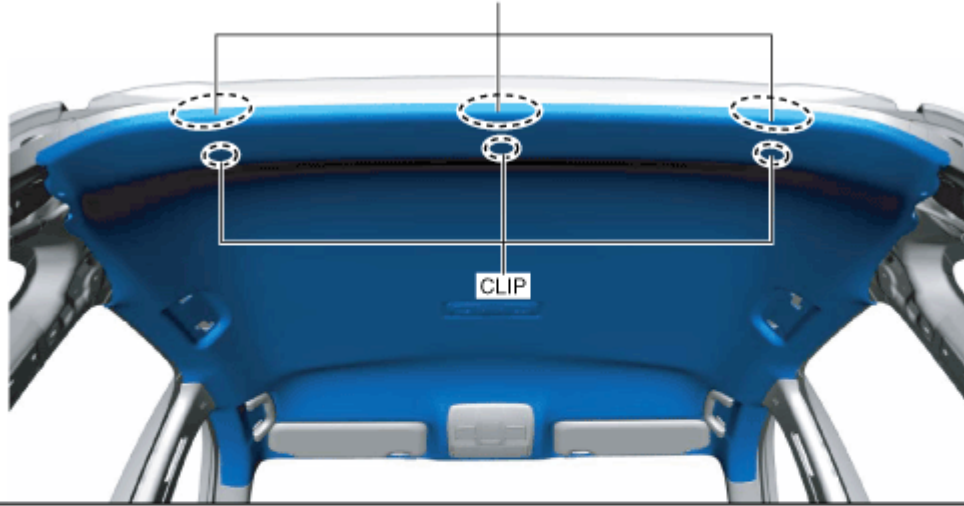


(2) Remove the stay damper.

15. Install in the reverse order of removal. (See [Stay Damper Installation Note](#).)

16. Adjust the liftgate. (See [LIFTGATE ADJUSTMENT](#).)

FLATHEAD SCREWDRIVER INSERTION POSITION



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4. Move the tape-wrapped flathead screwdriver in the direction of the arrow shown in the figure and detach the clips from the roof panel.

5. Partially peel back the headliner.

Caution

- Peeling back the headliner without supporting it may cause the headliner to bend excessively and create a fold seam. Peel back the headliner while supporting it.

6. Remove the nuts.

Sample

POWER LIFTGATE (PLG) TOUCH SENSOR REMOVAL/INSTALLATION

SM2899268

id09110080390

Replacement part

Clip

Quantity: 4

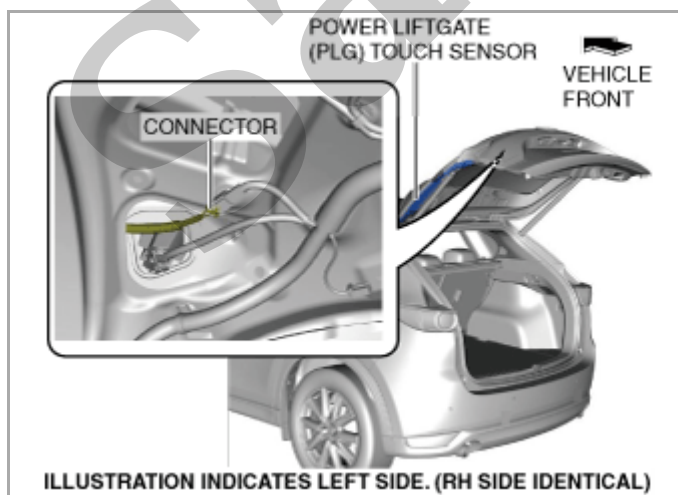
Location of use: Power liftgate (PLG) touch sensor

1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))

2. Remove the following parts:

- (1) Liftgate upper trim (See [LIFTGATE UPPER TRIM REMOVAL/INSTALLATION.](#))
- (2) Liftgate side trim (See [LIFTGATE SIDE TRIM REMOVAL/INSTALLATION.](#))
- (3) Liftgate recess (See [LIFTGATE RECESS REMOVAL/INSTALLATION.](#))
- (4) Power liftgate (PLG) rear switch (See [POWER LIFTGATE \(PLG\) REAR SWITCH REMOVAL/INSTALLATION.](#))
- (5) Liftgate lower trim (See [LIFTGATE LOWER TRIM REMOVAL/INSTALLATION.](#))

3. Disconnect the connector.



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4. Remove the clips.

POWER LIFTGATE (PLG) BUZZER REMOVAL/INSTALLATION

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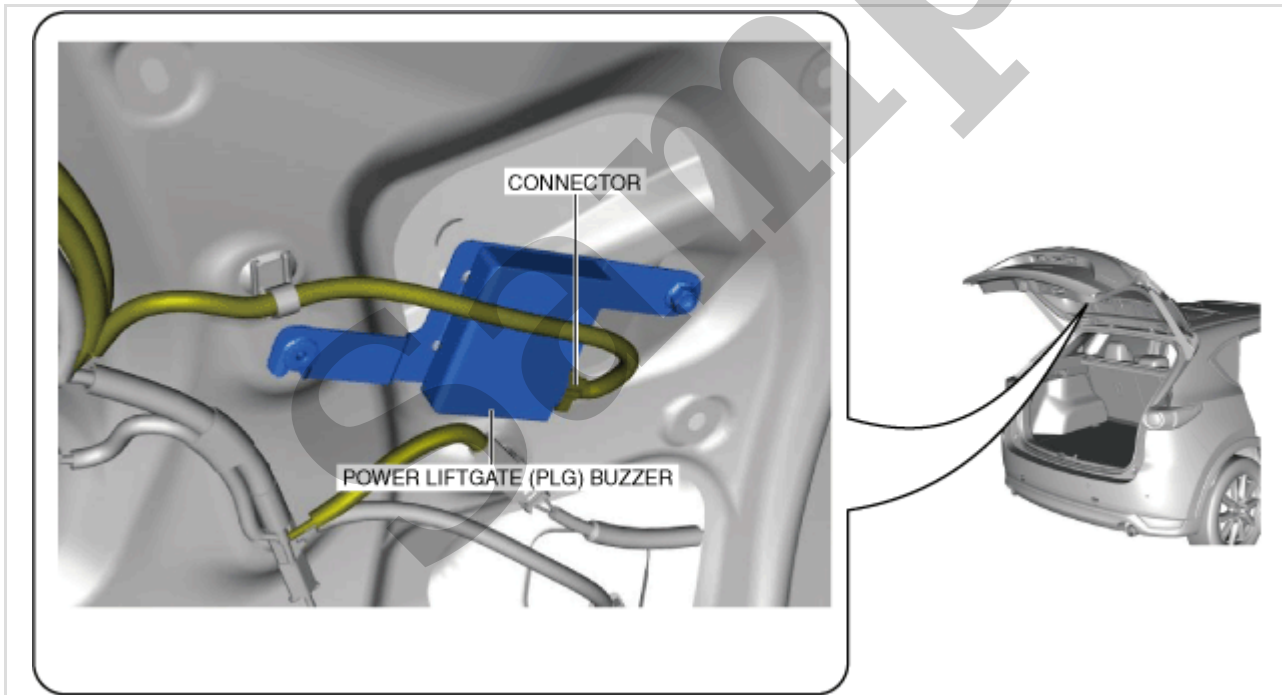
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1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))

2. Remove the following parts:

- (1) Liftgate upper trim (See [LIFTGATE UPPER TRIM REMOVAL/INSTALLATION.](#))
- (2) Liftgate side trim (See [LIFTGATE SIDE TRIM REMOVAL/INSTALLATION.](#))
- (3) Liftgate recess (See [LIFTGATE RECESS REMOVAL/INSTALLATION.](#))
- (4) Power liftgate (PLG) rear switch (See [POWER LIFTGATE \(PLG\) REAR SWITCH REMOVAL/INSTALLATION.](#))
- (5) Liftgate lower trim (See [LIFTGATE LOWER TRIM REMOVAL/INSTALLATION.](#))

3. Disconnect the connector.



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4. Remove the bolt.

Terminal	Signal name	Connected to	Measurement condition	Voltage (V)/Continuity	Inspection item(s)
1T	Motor return signal	Liftgate latch and lock actuator	After opening the liftgate, operate the closure motor with the liftgate half-closed	1.0 or less	Liftgate latch and lock actuator
1U	Door lock (driver-side)	Door latch and lock actuator	The driver-side doors is unlocked	B+	Door latch and lock actuator
			The driver-side doors is locked	1.0 or less	
1V	Door unlock (driver-side)	Door latch and lock actuator	The driver-side doors is unlocked	1.0 or less	Door latch and lock actuator
			The driver-side doors is locked	B+	
1W	-	-	-	-	-
1X	Door unlock (passenger-side and rear)	Door latch and lock actuator	The passenger-side and rear doors are all unlocked	1.0 or less	Door latch and lock actuator
			The passenger-side and rear doors are all locked	B+	
1Y	Power liftgate (PLG) front switch signal (Input)	Power liftgate (PLG) front switch	Power liftgate (PLG) front switch: Switch is at ON	B+	Power liftgate (PLG) front switch
			Power liftgate (PLG) front switch: Switch is at OFF	1.0 or less	
1Z	Liftgate opener switch signal	Liftgate opener switch	When the liftgate opener switch is ON	B+	Liftgate opener switch
			When the liftgate opener switch is OFF	1.0 or less	
1AA	Power supply	<ul style="list-style-type: none"> · Rear body control module (RBCM) · Power liftgate (PLG) rear switch 	Under any condition	B+	ROOM 15 A fuse
1AB	-	-	-	-	-
1AC	Power supply to power liftgate (PLG) switches	<ul style="list-style-type: none"> · Power liftgate (PLG) front switch · Power liftgate (PLG) rear switch 	Power liftgate (PLG) front switch: Open or close switch is at ON	1.0 or less	Power liftgate (PLG) control module
			Power liftgate (PLG) front switch: Open or close switch is at OFF	B+	
1AD	Power supply	C/U IG1 15 A fuse	Ignition switched ON (engine off or on)	B+	C/U IG1 15 A fuse
			Ignition switched off or at ACC	1.0 or less	
1AE	-	-	-	-	-
1AF	Power liftgate (PLG) rear switch signal	Power liftgate (PLG) rear switch	When operating the power liftgate (PLG) rear switch	B+	Power liftgate (PLG) rear switch
			When not operating the power liftgate (PLG) rear switch	1.0 or less	
2A	Liftgate open signal	Power liftgate (PLG) drive unit (LH)	Liftgate open operation	B+	Power liftgate (PLG) drive unit (LH)
			Other	1.0 or less	
2B	Liftgate close signal	Power liftgate (PLG) drive unit (RH)	Liftgate close operation	B+	Power liftgate (PLG) drive unit (RH)
			Other	1.0 or less	
2C	Liftgate close signal	Power liftgate (PLG) drive unit (LH)	Liftgate close operation	B+	Power liftgate (PLG) drive unit (LH)
			Other	1.0 or less	
2D	-	-	-	-	-
2E	Liftgate open signal	Power liftgate (PLG) drive unit (RH)	Liftgate open operation	B+	Power liftgate (PLG) drive unit (LH)
			Other	1.0 or less	
2F	-	-	-	-	-