SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-13EXML42-004A	DATE : 2013-11-20
SUBJECT : CHECK AT ECU TERMINAL & POWER WINDOWS		<Affected Destination/Model> (MMNA/USTP/EUR/RUSSIA /G.EXP/GCC/MMAL/NZ) <M/Y> 14
GROUP : BODY(Gr:42A)		OUTLANDER SPORT/ASX(GA0W)

1. Description :

Please refer to the attached document for the correction of the error in writing existing in the applicable service manual.

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 2-3/5-7)

※ **Original MSB(MSB-13EXML42-004) was issued on Oct 1 2013**
※ **Revised A version(MSB-13EXML42-004A) was issued on Nov 20 2013**

＜MMNA＞

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2014 OUTLANDER SPORT Service Manual	MSCD-017B-2014	CHECK AT ECU TERMINAL (M429-01-360-91500-01)	Attached sheet 2(1/2,2/2) A
		POWER WINDOWS (M901-00-466-28200-01)	Attached sheet 5

＜EU/RUSSIA＞

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2014 ASX Workshop Manual CD-ROM	CGAE14E1-CD (ENGLISH), CGAF14E1-CD (FRENCH), CGAG14E1-CD (GERMAN), CGAS14E1-CD (SPANISH), CGAI14E1-CD (ITALIAN) RUSSIA:N/A	CHECK AT ECU TERMINAL (M429-01-360-89600-01)	Attached sheet 3(1/2,2/2) A
		POWER WINDOWS <LHD> (M901-00-466-26000-01)	Attached sheet 6
		POWER WINDOWS <RHD> (M901-00-466-27100-01)	Attached sheet 7

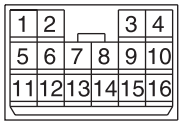
＜G.EXP/GCC/MMAL/NZ＞

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2014 OUTLANDER SPORT / ASX Workshop Manual CD-ROM	PWPE1312R (ENGLISH) PWPS1313R (SPANISH) MMAL:AU900410 NZ:DRAFT	POWER WINDOWS <LHD> (M901-00-466-24800-01)	Attached sheet 6
		POWER WINDOWS <RHD> (M901-00-466-25900-01)	Attached sheet 7

Attached Sheet 2(1/2)

CHECK AT ECU TERMINAL

POWER WINDOW MAIN SWITCH TERMINAL CHECK





<Incorrect>

<Correct>

ACC00076

Terminal No.	Terminal code	Check item	Check condition	Normal condition
1	D.AS	Output to power window motor (Passenger's side)	The front passenger's window lowers	System voltage
			The front passenger's window rises	1 V or less
2	U.AS	Output to power window motor (Passenger's side)	The front passenger's window rises	System voltage
			The front passenger's window lowers	1 V or less
3	MU	Output to power window motor (Driver's side)	The driver's window rises	1 V or less
			The driver's window lowers	System voltage
3	MD	Output to power window motor (Driver's side)	The driver's window lowers A	<Incorrect> 1 V or less <Correct> System voltage
			The driver's window rises A	<Incorrect> System voltage <Correct> 1 V or less
4	MD	Output to power window motor (Driver's side)	The driver's window lowers	1 V or less
			The driver's window rises	System voltage
4	MU	Output to power window motor (Driver's side)	The driver's window rises A	<Incorrect> 1 V or less <Correct> System voltage
			The driver's window lowers A	<Incorrect> System voltage <Correct> 1 V or less
5	+BP	Power supply	Always	System voltage
6	SGND	Input from power window motor (pulse sensor earth)	–	1 V or less
6	SEN1	Input from power window motor (pulse sensor signal)	When the power windows are operating	0 to 5 V (pulse signal)

<Incorrect>

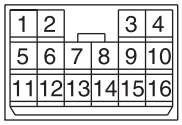
<Correct>

Terminal No.	Terminal code	Check item	Check condition	Normal condition
7	VCC	Input from power window motor (power supply to pulse sensor)	When the power windows are operating	5 V
7	SGND	Input from power window motor (pulse sensor earth)	–	1 V or less
8	E.DL	Earth	Always	1 V or less
9	SEN1	Input from power window motor (pulse sensor signal)	When the power windows are operating	0 to 5 V (pulse signal)
9	VCC	Input from power window motor (power supply to pulse sensor)	When the power windows are operating A	5 V <Incorrect> <Correct> System voltage
10	+B	Power supply	Ignition switch: ON	Battery positive voltage
11	D.RR	Output to power window motor (Rear right side)	The rear right window lowers	System voltage
			The rear right window rises	1 V or less
12	U.RR	Output to power window motor (Rear right side)	The rear right window rises	System voltage
			The rear right window lowers	1 V or less
13	SEN2	Input from power window motor (pulse sensor signal)	When the power windows are operating	0 to 5 V (pulse signal)
14	–	–	–	–
15	D.RL	Output to power window motor (Rear left side)	The rear left window lowers	System voltage
			The rear left window rises	1 V or less
16	U.RL	Output to power window motor (Rear left side)	The rear left window rises	System voltage
			The rear left window lowers	1 V or less
17	–	–	–	–
18	–	–	–	–
19	–	–	–	–
21	–	–	–	–
22	D.L	Output to door unlock signal	The central door lock switch is unlocked	1 V or less
			The central door lock switch is turned off	0V <Incorrect> 5V <Correct> A
23	D.UL	Output to door lock signal	The central door lock switch is locked	1 V or less
			The central door lock switch is turned off	0V <Incorrect> 5V <Correct> A
24	–	–	–	–

Attached Sheet 3(1/2)

CHECK AT ECU TERMINAL

POWER WINDOW MAIN SWITCH TERMINAL CHECK





<Incorrect>

<Correct>

ACC00076

<LHD>

Terminal No.	Terminal code	Check item	Check condition	Normal condition
1	D.AS	Output to power window motor (Passenger's side)	The front passenger's window lowers	System voltage
			The front passenger's window rises	1 V or less
2	U.AS	Output to power window motor (Passenger's side)	The front passenger's window rises	System voltage
			The front passenger's window lowers	1 V or less
3	MU	Output to power window motor (Driver's side)	The driver's window rises	1 V or less
			The driver's window lowers	System voltage
3	MD	Output to power window motor (Driver's side)	The driver's window lowers A	<Incorrect> 1 V or less <Correct> System voltage
			The driver's window rises A	<Incorrect> System voltage <Correct> 1 V or less
4	MD	Output to power window motor (Driver's side)	The driver's window lowers	1 V or less
			The driver's window rises	System voltage
4	MU	Output to power window motor (Driver's side)	The driver's window rises A	<Incorrect> 1 V or less <Correct> System voltage
			The driver's window lowers A	<Incorrect> System voltage <Correct> 1 V or less
5	+BP	Power supply	Always	System voltage
6	SGND	Input from power window motor (pulse sensor earth)	–	1 V or less
6	SEN1	Input from power window motor (pulse sensor signal)	When the power windows are operating	0 to 5 V (pulse signal)

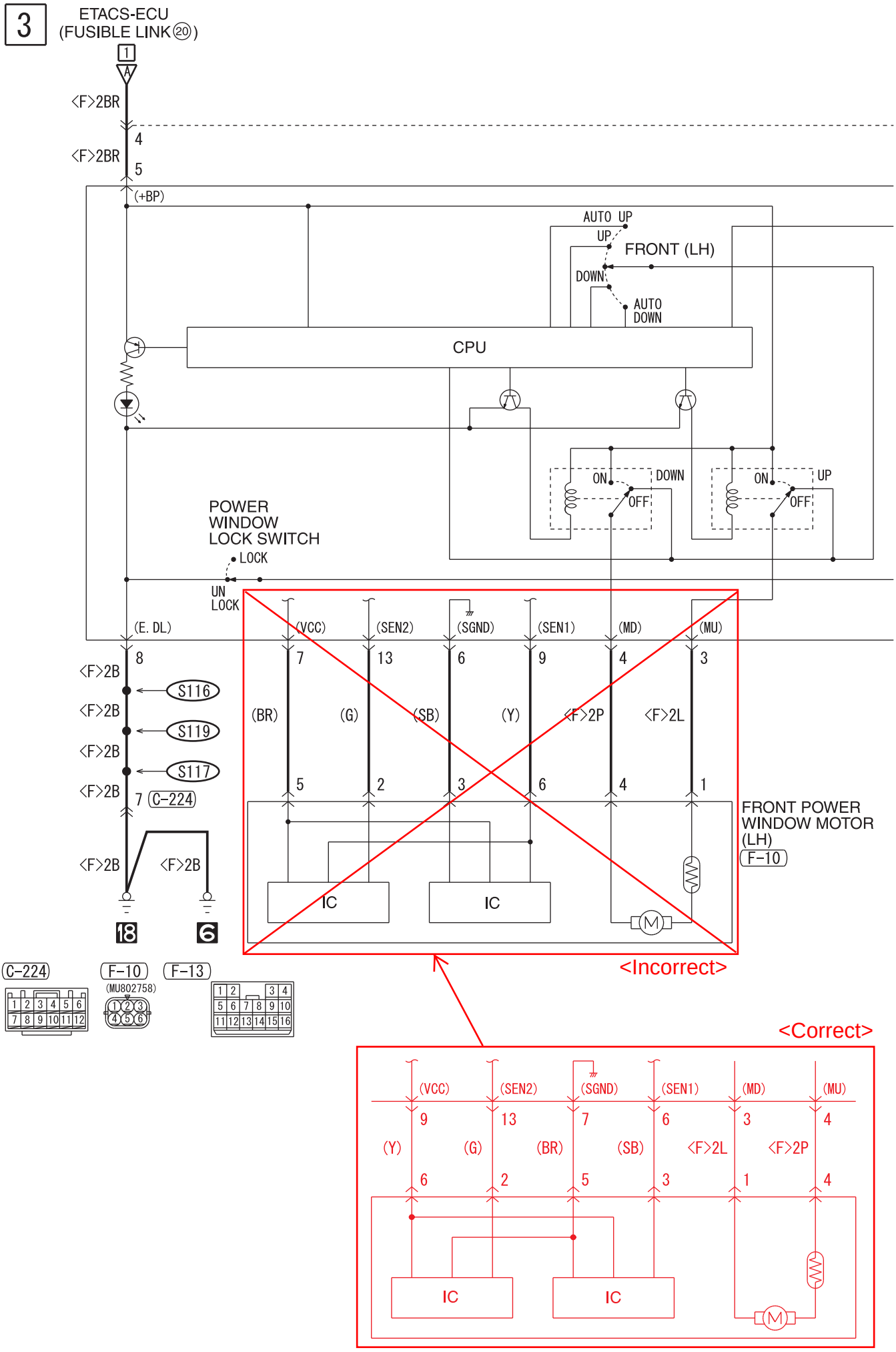
Attached Sheet 3(2/2)

<Incorrect>

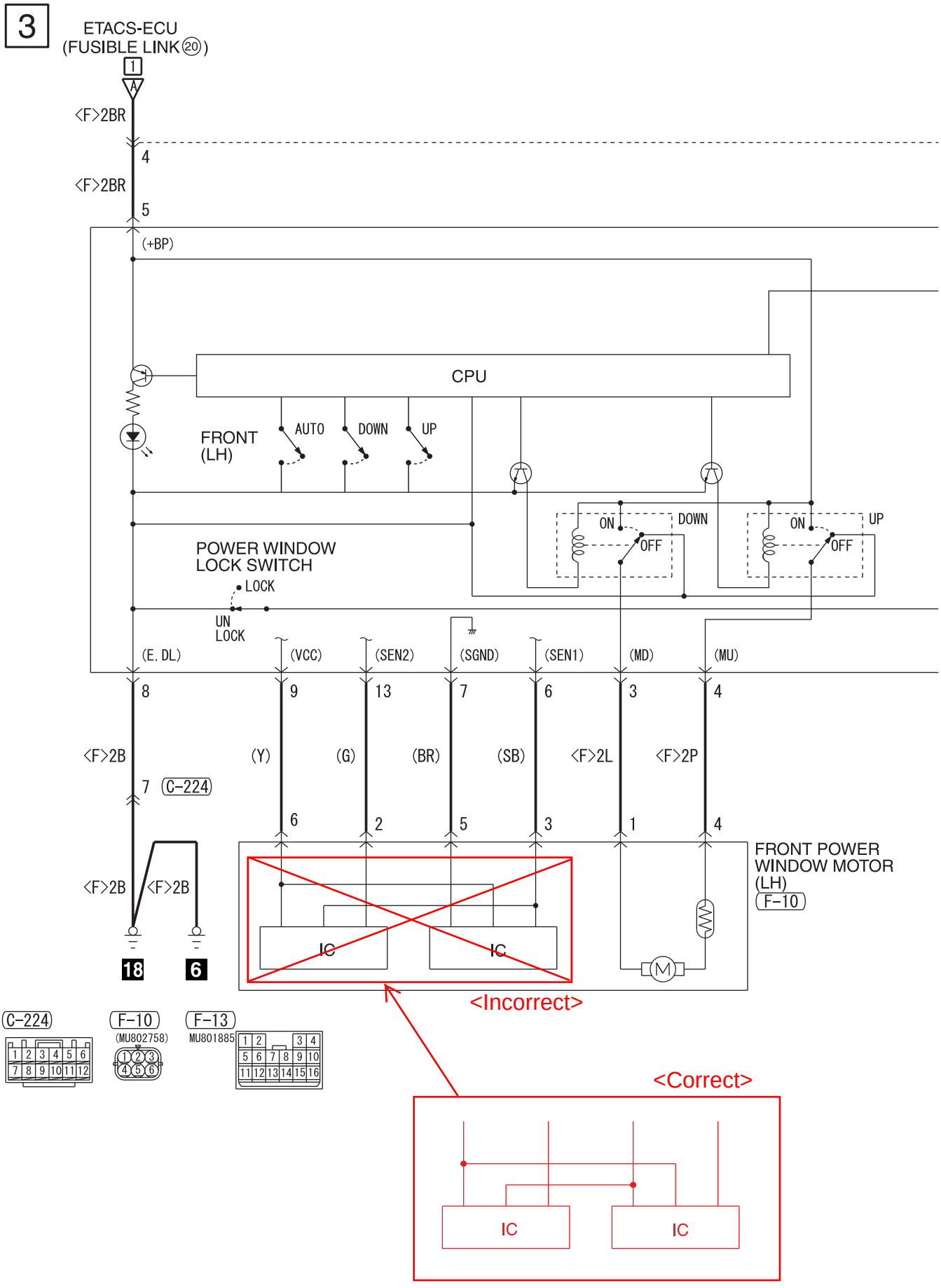
<Correct>

Terminal No.	Terminal code	Check item	Check condition	Normal condition
7	~~VCC~~	~~Input from power window motor (power supply to pulse sensor)~~	~~When the power windows are operating~~	~~5 V~~
7	SGND	Input from power window motor (pulse sensor earth)	–	1 V or less
8	E.DL	Earth	Always	1 V or less
9	~~SEN1~~	~~Input from power window motor (pulse sensor signal)~~	~~When the power windows are operating~~	~~0 to 5 V (pulse signal)~~
9	VCC	Input from power window motor (power supply to pulse sensor)	When the power windows are operating A	~~5 V~~ <Incorrect> <Correct> System voltage
10	+B	Power supply	Ignition switch: ON	Battery positive voltage
11	D.RR	Output to power window motor (Rear right side)	The rear right window lowers	System voltage
			The rear right window rises	1 V or less
12	U.RR	Output to power window motor (Rear right side)	The rear right window rises	System voltage
			The rear right window lowers	1 V or less
13	SEN2	Input from power window motor (pulse sensor signal)	When the power windows are operating	0 to 5 V (pulse signal)
14	–	–	–	–
15	D.RL	Output to power window motor (Rear left side)	The rear left window lowers	System voltage
			The rear left window rises	1 V or less
16	U.RL	Output to power window motor (Rear left side)	The rear left window rises	System voltage
			The rear left window lowers	1 V or less
17	–	–	–	–
18	–	–	–	–
19	–	–	–	–
21	–	–	–	–
22	D.L	Output to door unlock signal	The central door lock switch is unlocked	1 V or less
			The central door lock switch is turned off	~~0V~~ <Incorrect> 5V <Correct> A
23	D.UL	Output to door lock signal	The central door lock switch is locked	1 V or less
			The central door lock switch is turned off	~~0V~~ <Incorrect> 5V <Correct> A
24	–	–	–	–

Attached sheet 5



Attached sheet 6



Attached sheet 7

