

SECTION

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POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

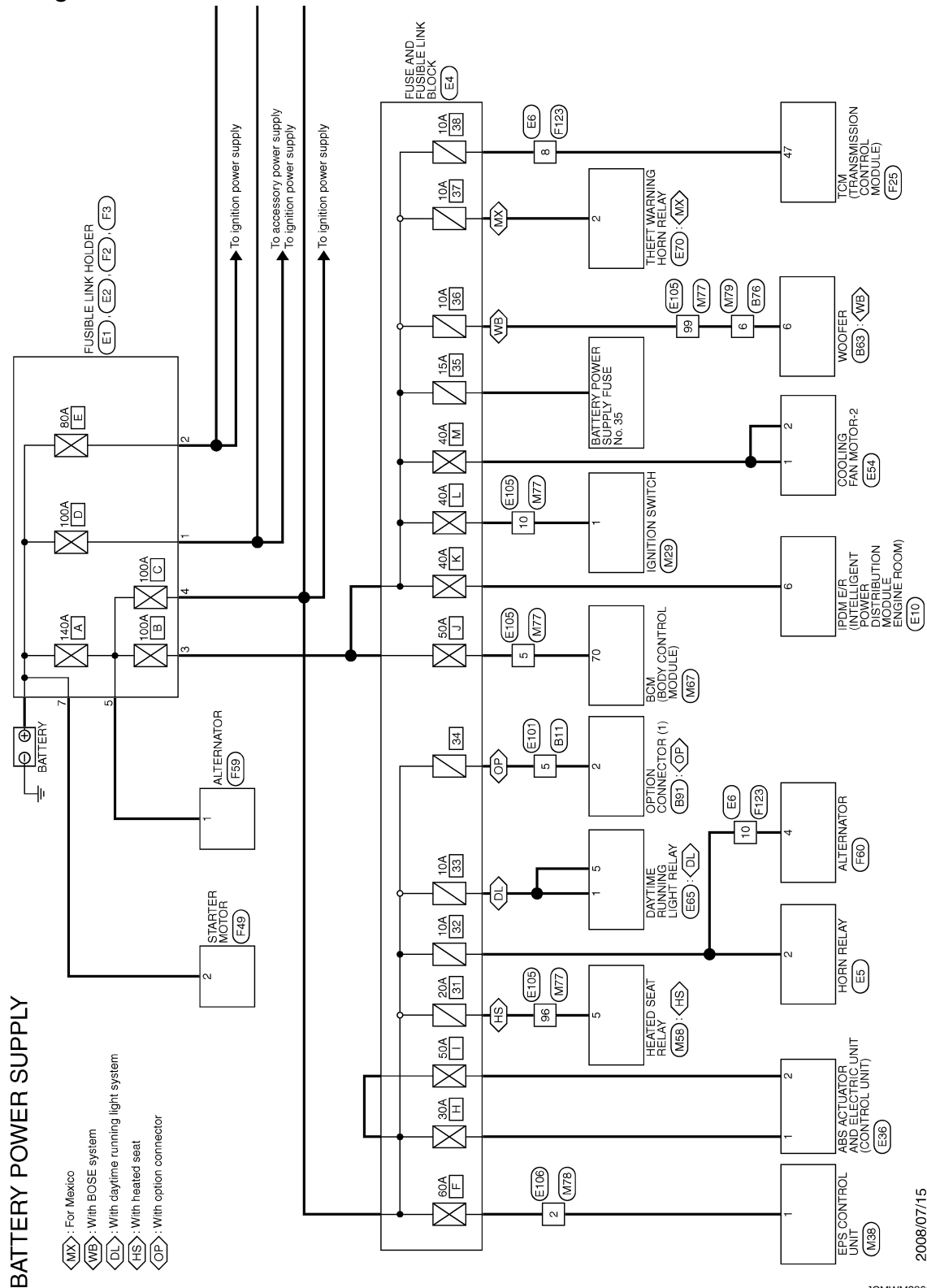
[POWER SUPPLY&GROUND CIRCUIT]

COMPONENT DIAGNOSIS

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY

Connector No.	E14
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FB-C5



39	38	37	36	35
46	45	44	43	42
41	40			

Terminal No.	Color of Wire	Signal Name [Specification]
37	R	-
38	R	-
39	GR	-

Connector No.	E15
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-C5



53	52	51	50	49	48	47
62	61	60	59	58	57	56
55	54					

Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
51	L	-
52	P	-
61	R	-

Connector No.	E24
Connector Name	HEADLAMP HIGH LH (WITHOUT XENON HEADLAMP)
Connector Type	U02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-

Connector No.	E26
Connector Name	HEADLAMP LOW LH (WITHOUT XENON HEADLAMP)
Connector Type	FH202FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

Connector No.	E27
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z03FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

Connector No.	E30
Connector Name	FRONT FOG LAMP LH
Connector Type	FH202FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH28FB-NL4-DH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	MOTOR
2	BR	ACTR

Connector No.	E43
Connector Name	HEADLAMP HIGH RH (WITHOUT XENON HEADLAMP)
Connector Type	U02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

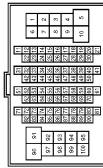
BATTERY POWER SUPPLY FUSE No. 14

Connector No.	E23
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03ER



Terminal No.	1
Color of Wire	O
Signal Name [Specification]	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	71
Color of Wire	O
Signal Name [Specification]	-

Connector No.	M25
Connector Name	IGNITION KNOB SWITCH KEY SWITCH AND KEY LOCK SOLENOID
Connector Type	TK03MGY



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-
Terminal No.	4
Color of Wire	P
Signal Name [Specification]	-

Connector No.	M28
Connector Name	STEERING LOCK UNIT
Connector Type	TK04FW



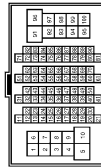
Terminal No.	1
Color of Wire	R
Signal Name [Specification]	-

Connector No.	M40
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW-NH



Terminal No.	11
Color of Wire	R
Signal Name [Specification]	BATT+

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	71
Color of Wire	P
Signal Name [Specification]	-

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY POWER SUPPLY FUSE No. 45

Connector No.	D181
Connector Name	WIRE TO WIRE
Connector Type	NS38MBR-CS



Terminal No.	2
Color of Wire	R
Signal Name [Specification]	-

Connector No.	D195
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK0ZFBR



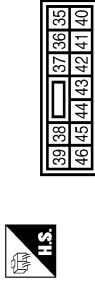
Terminal No.	1
Color of Wire	R
Signal Name [Specification]	-

Connector No.	D196
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK0ZFBR



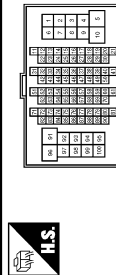
Terminal No.	1
Color of Wire	R
Signal Name [Specification]	-

Connector No.	E14
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FBR-CS



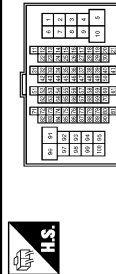
Terminal No.	37
Color of Wire	R
Signal Name [Specification]	-

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	8
Color of Wire	R
Signal Name [Specification]	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



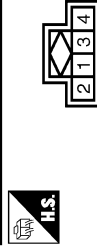
Terminal No.	7
Color of Wire	R
Signal Name [Specification]	-

Connector No.	M5
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



Terminal No.	3
Color of Wire	R
Signal Name [Specification]	-

Connector No.	M6
Connector Name	HEADLAMP AMMING SWITCH
Connector Type	A04FW



Terminal No.	3
Color of Wire	R
Signal Name [Specification]	-

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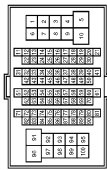
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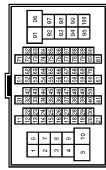
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

ACCESSORY POWER SUPPLY

Connector No.	E1	Connector No.	E106	Connector No.	M1
Connector Name	FUSIBLE LINK HOLDER	Connector Name	WIRE TO WIRE	Connector Name	FUSE BLOCK (J/B)
Connector Type	LOFCY-MC	Connector Type	TH8QFW-CS16-TM4	Connector Type	-
					
Terminal No.	1	Terminal No.	10	Terminal No.	1
Color of Wire	L	Color of Wire	L	Color of Wire	L
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

Connector No.	M29	Connector No.	M61	Connector No.	M77	Connector No.	M78
Connector Name	IGNITION SWITCH	Connector Name	FRONT POWER SOCKET	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	M08FW-LC	Connector Type	P02FB-Z	Connector Type	TH8QMW-CS16-TM4	Connector Type	LO2MB-MC
							
Terminal No.	1	Terminal No.	1	Terminal No.	10	Terminal No.	1
Color of Wire	L	Color of Wire	O	Color of Wire	L	Color of Wire	L
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-

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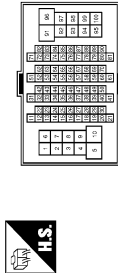
POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (F-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
21	R	-

Connector No.	B39
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH6FW-HH



Terminal No.	Color of Wire	Signal Name [Specification]
4	R	IGN

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	E30FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
5	BR	-

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FGY-MC

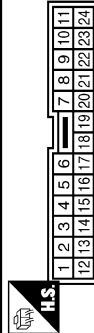


Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FER-MC-B



Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK24MW-IV



Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Connector No.	E9
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	LO2FER-MC



Terminal No.	Color of Wire	Signal Name [Specification]
4	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
2	SB	-
21	GR	-

Terminal No.	Color of Wire	Signal Name [Specification]
15	O	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

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POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 58

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK24MW-1V



1	2	3	4	5	6			7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23	24

Terminal No.	4
Color of Wire	LG
Signal Name [Specification]	
Terminal No.	15
Color of Wire	LG
Signal Name [Specification]	

Connector No.	E15
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-CS



53	52	51	50		49	48	47	
62	61	60	59	58	57	56	55	54

Terminal No.	58
Color of Wire	LG
Signal Name [Specification]	

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK03FB



3	2	1
---	---	---

Terminal No.	3
Color of Wire	LG
Signal Name [Specification]	

Connector No.	F21
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK08FG



7	6	4	8
5	1	2	3

Terminal No.	1
Color of Wire	LG
Signal Name [Specification]	

Connector No.	F25
Connector Name	TOM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-RZ8-L-RH



51	52	53	54	55	56	57	58	59	60	61	62	63
21	22	23	24	25	26	27	28	29	30	31	32	33
11	12	13	14	15	16	17	18	19	20	43	44	45
1	2	3	4	5	6	7	8	9	10	41	42	46

Terminal No.	46
Color of Wire	Y
Signal Name [Specification]	VIGN
Terminal No.	48
Color of Wire	Y
Signal Name [Specification]	VIGN

Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FB



3	2	1
---	---	---

Terminal No.	3
Color of Wire	LG
Signal Name [Specification]	

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK24FW-1V



11	10	9	8	7	6	5	4	3	2	1		
24	23	22	21	20	19	18	17	16	15	14	13	12

Terminal No.	4
Color of Wire	Y
Signal Name [Specification]	
Terminal No.	15
Color of Wire	LG
Signal Name [Specification]	

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POWER SUPPLY ROUTING CIRCUIT

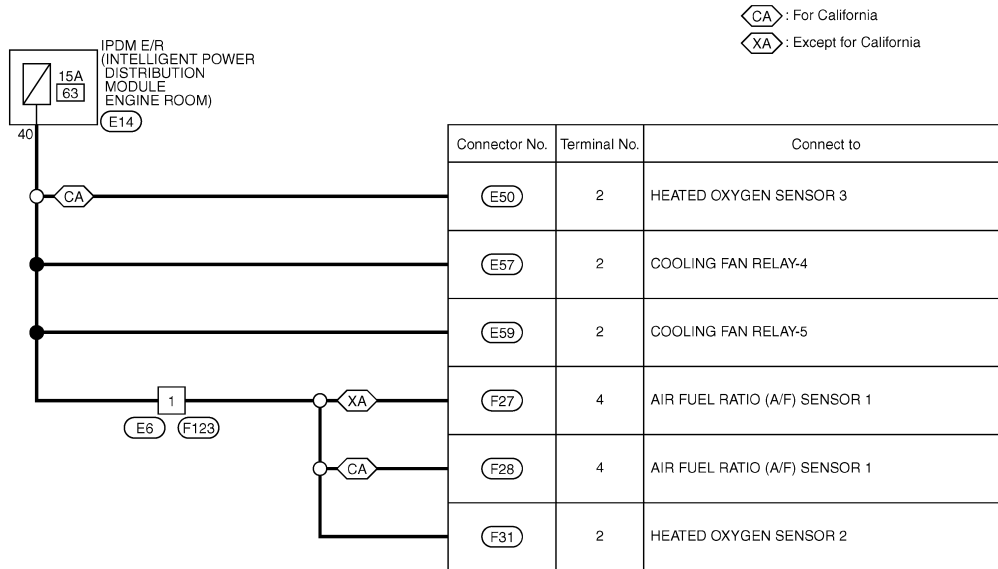
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 63 -

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IGNITION POWER SUPPLY FUSE No. 63



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OPTION HARNESS

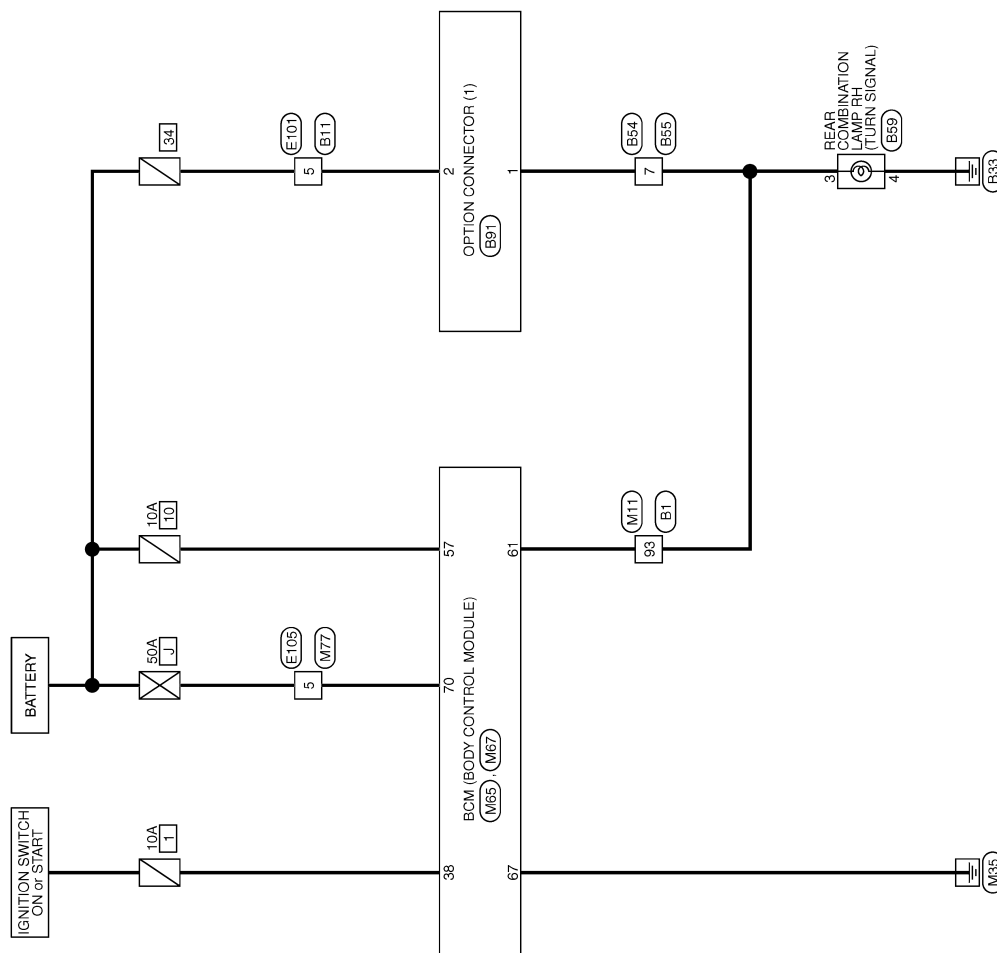
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[POWER SUPPLY&GROUND CIRCUIT]

OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

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OPTION HARNESS

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HARNESS LAYOUT

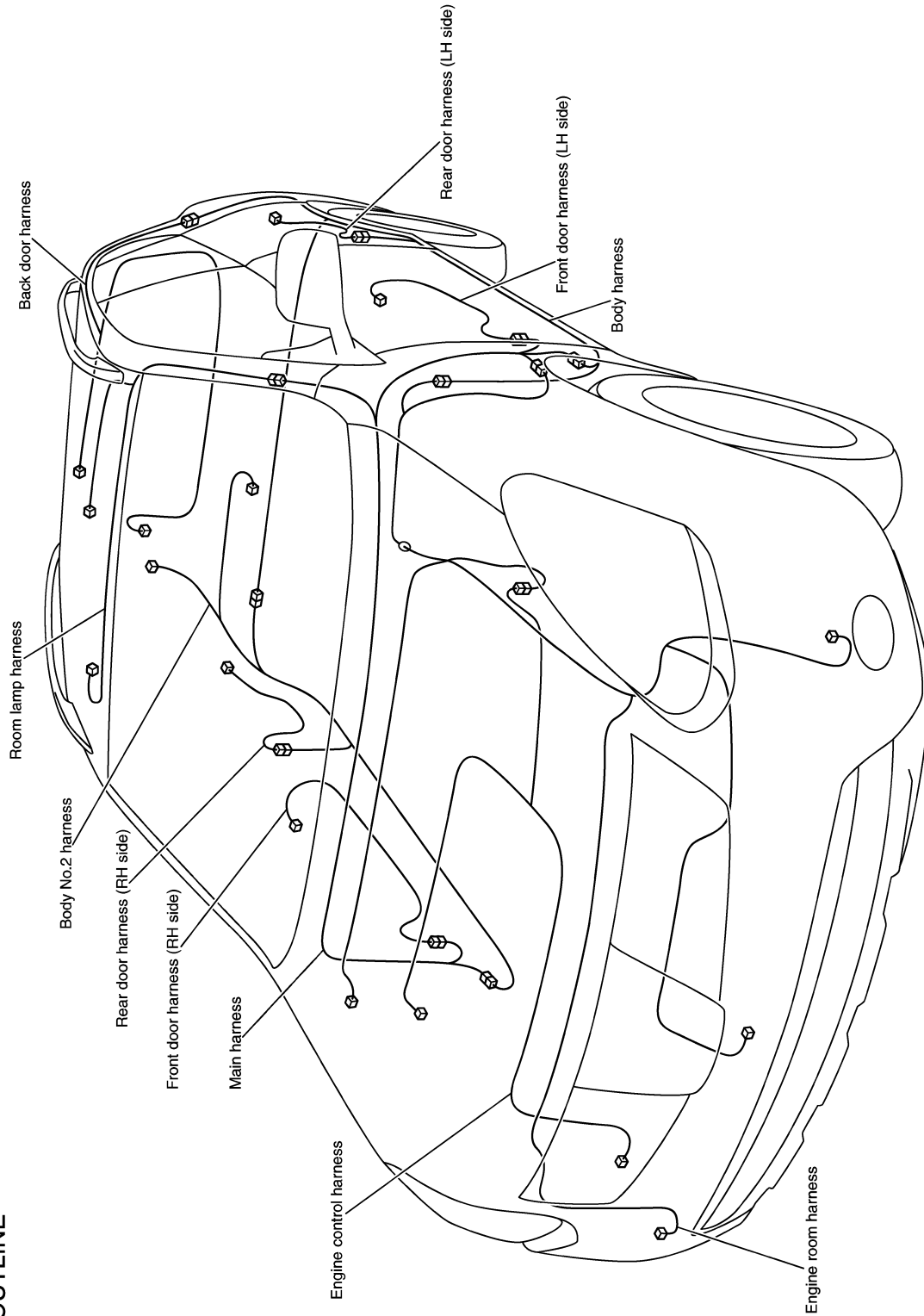
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[POWER SUPPLY&GROUND CIRCUIT]

Outline

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OUTLINE



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HARNESS LAYOUT

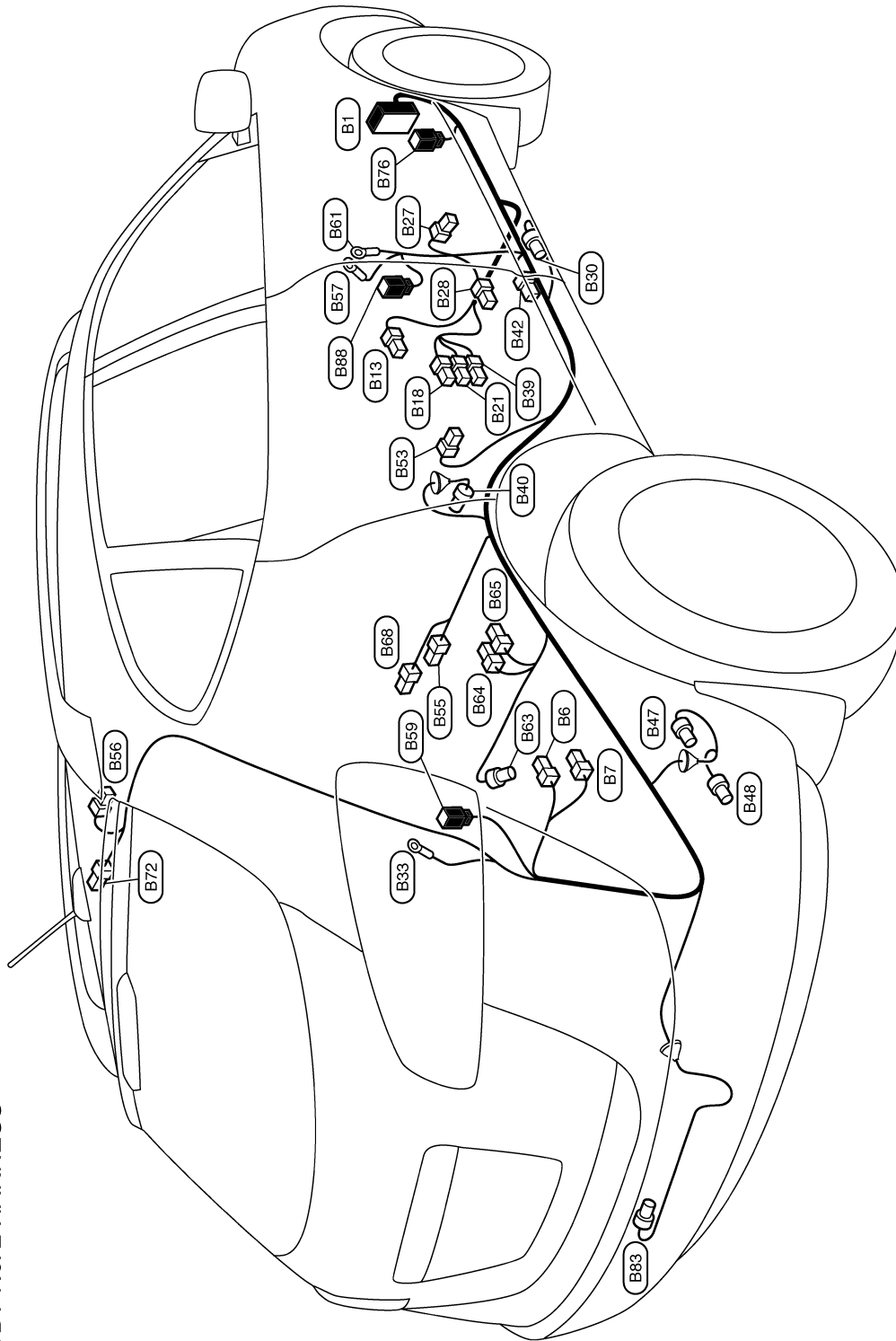
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body No. 2 Harness

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BODY No. 2 HARNESS



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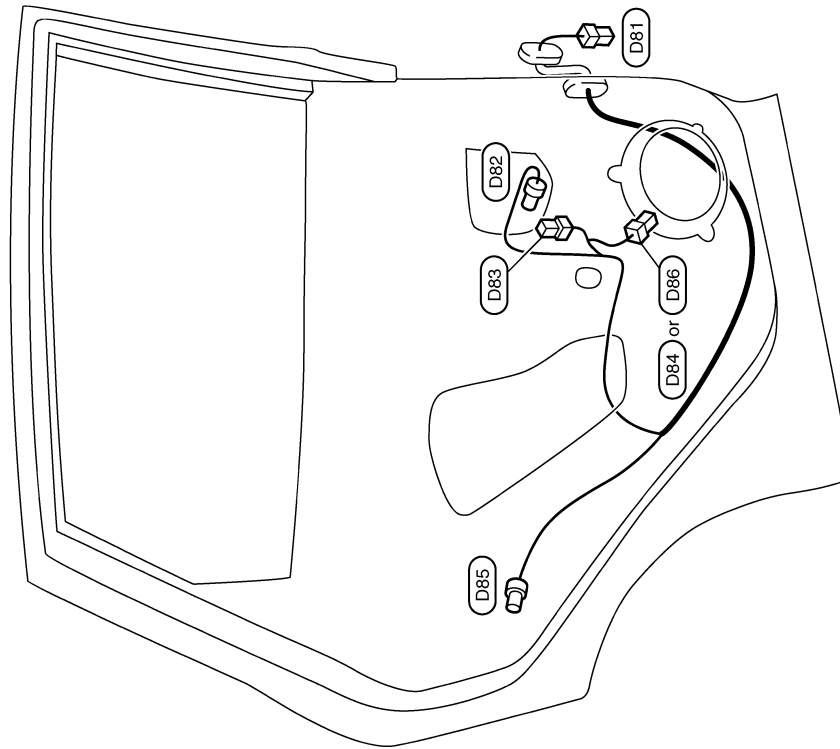
HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Rear Door Harness (LH Side)

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REAR DOOR HARNESS (LH SIDE)

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BATTERY TERMINAL WITH FUSIBLE LINK

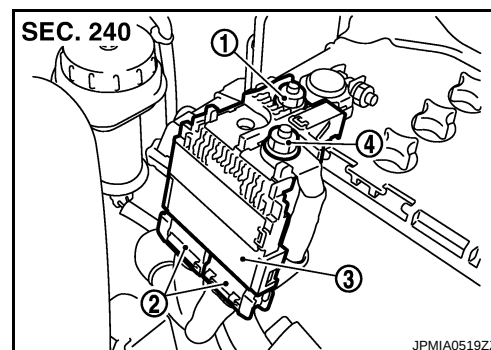
< ON-VEHICLE REPAIR >

[POWER SUPPLY&GROUND CIRCUIT]

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

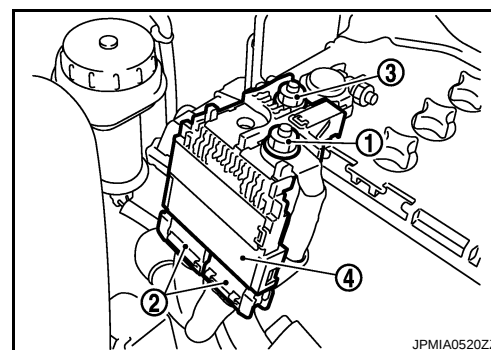
- 1 : Fusible link holder mounting nut
- 2 : Harness connector
- 3 : Battery terminal with fusible link
- 4 : Harness mounting nut



Removal and Installation

REMOVAL

1. Disconnect the battery cable from the negative terminal.
2. Remove cover of battery positive terminal.
3. Remove harness mounting nut (1) to disconnect harness connectors (2).
4. Remove fusible link holder mounting nut (3) to remove battery terminal with fusible link (4).



INSTALLATION

Install in the reverse order of removal.

Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)