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# POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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## **BASIC INSPECTION**

### BATTERY

### How to Handle Battery

### **CAUTION:**

- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

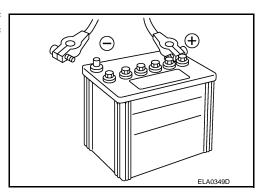
#### METHODS OF PREVENTING OVER-DISCHARGE

The following precautions must be taken to prevent over-discharging a battery.

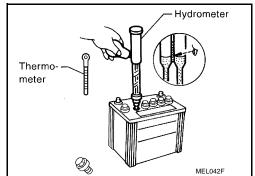
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level.
   This also applies to batteries designated as "low maintenance" and "maintenance-free".



 When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage switch, turn it off.)



Check the charge condition of the battery.
 Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.



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### CHECKING ELECTROLYTE LEVEL

#### **WARNING:**

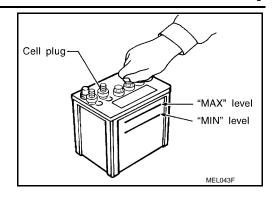
Revision: 2010 March

Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.

PG-3

### [POWER SUPPLY & GROUND CIRCUIT]

- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.

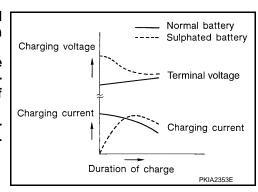


### Sulphation

A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.

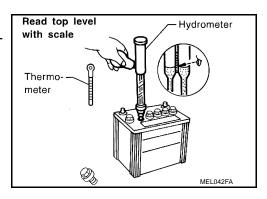
To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.

A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.



### SPECIFIC GRAVITY CHECK

- 1. Read hydrometer and thermometer indications at eye level.
- 2. Use the chart below to correct your hydrometer reading according to electrolyte temperature.



### Hydrometer Temperature Correction

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
71 (160)	0.032
66 (150)	0.028
60 (140)	0.024
54 (130)	0.020
49 (120)	0.016
43 (110)	0.012
38 (100)	0.008
32 (90)	0.004
27 (80)	0
21 (70)	-0.004
16 (60)	-0.008
10 (50)	-0.012
4 (40)	-0.016
-1 (30)	-0.020
-7 (20)	-0.024

### **BATTERY**

### < BASIC INSPECTION >

### [POWER SUPPLY & GROUND CIRCUIT]

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
-12 (10)	-0.028
-18 (0)	-0.032

Corrected specific gravity	Approximate charge condition
1.260 - 1.280	Fully charged
1.230 - 1.250	3/4 charged
1.200 - 1.220	1/2 charged
1.170 - 1.190	1/4 charged
1.140 - 1.160	Almost discharged
1.110 - 1.130	Completely discharged

### CHARGING THE BATTERY

#### **CAUTION:**

- Never "quick charge" a fully discharged battery.
- Keep the battery away from open flame while it is being charged.
- When connecting the charger, connect the leads first, then turn on the charger. Never turn on the charger first, as this may cause a spark.
- If battery electrolyte temperature rises above 55 °C (131 °F), stop charging. Always charge battery at a temperature below 55 °C (131 °F).

#### **Charging Rates**

Amps	Time
50	1 hour
25	2 hours
10	5 hours
5	10 hours

Do not charge at more than 50 ampere rate.

#### NOTE:

The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated above refer to initial charge rate.

• If, after charging, the specific gravity of any two cells varies more than 0.050, the battery should be replaced.

Work Flow

### TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

For battery testing, use Battery Service Center (J-48087). For details and operating instructions, refer to Technical Service Bulletin and/or Battery Service Center User Guide.

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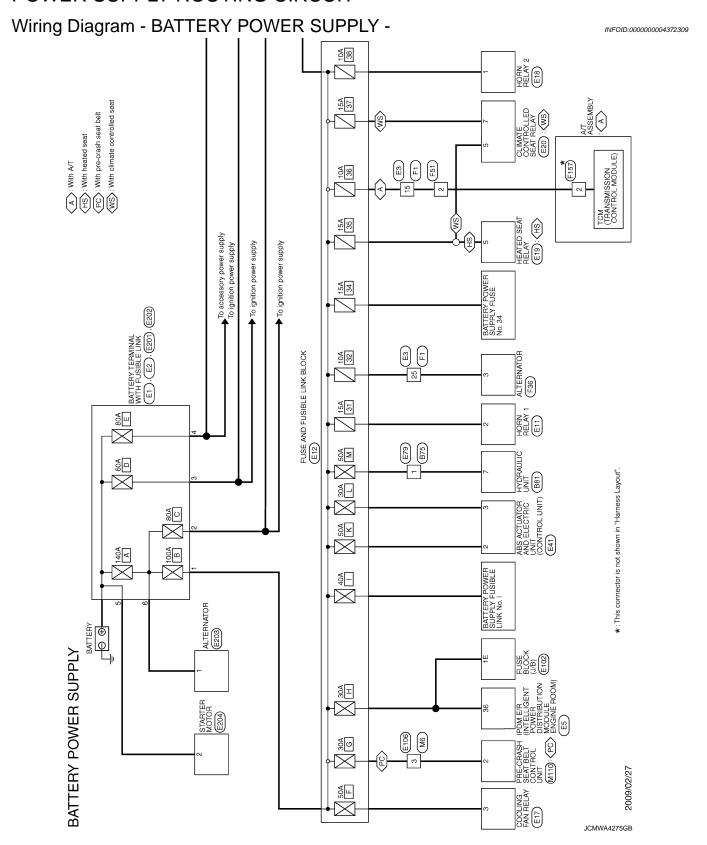
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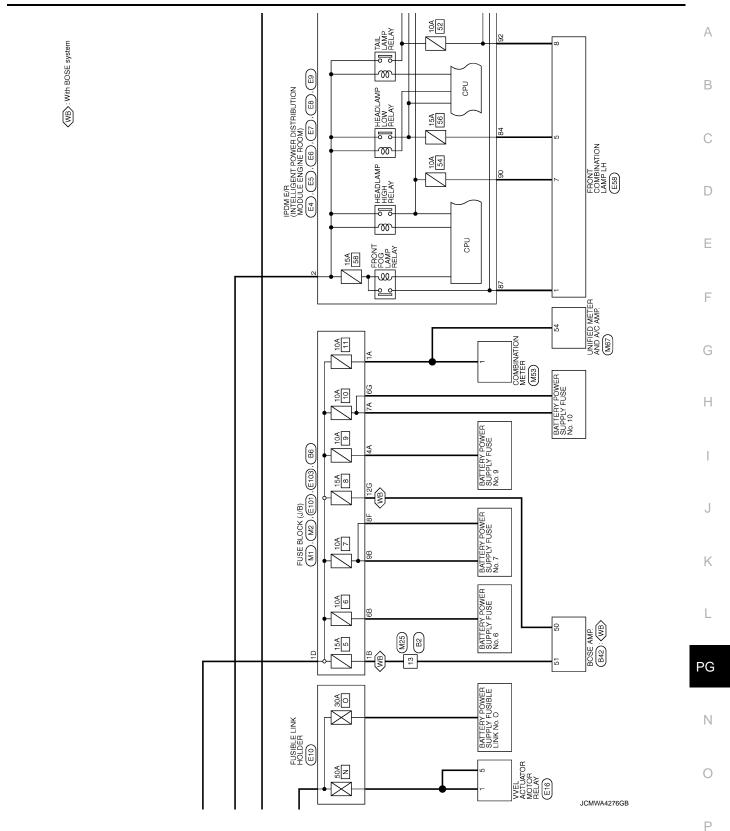
## DTC/CIRCUIT DIAGNOSIS

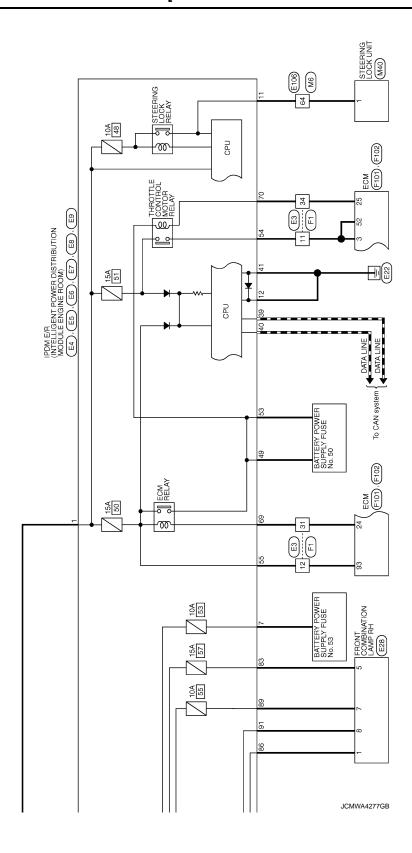
## POWER SUPPLY ROUTING CIRCUIT



< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]





< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

	Signal Norm [Specification]	O WIPE  MB-RSE-SH28    10   11   12	Signal Name [Seecification]		АВ
Commetter No. B75 Commetter Name WIRE TO WIRE Commetter Type MOZMW-LC  MIS.	Color of   Signal   No.   Vire     No.   Vire     No.   Vire     No.   Vire   No.	Connector No. E3  Connector Type SAA36MB-RS9-SH28  LAS    1	Terminal   Color of   Signal		C
					Е
B02E AMP. SGA12FBR-SJA2  52	Signal Name (Specification)  BATTERY  BATTERY	E2 SATTERY TERMINAL WITH FUSBLE LINK LOZFGY-MC  3 4 1	Signal Name [Specification]		F
Commetter No. B42 Commetter Name BOSE AMP Commetter Type SGA12FBR  H.S. E4 52  49 47 45	Color of Wire Color of Color o	No. Name Type	Color of L		G
Conne	Terminal No. So 51 51	Connector Connector	Terminal No. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.		Н
x (J/B)	Signal Name (Specification)	EATTERY TERMINAL WITH FUSIBLE LINK LUGFBR-MIC	Signal Name [Specification]		I
B6 FUSE BLOCK (J/B) NS12FBR-CS 5G4G 3G		E1 LOZFBR-MO			
Connector No. Connector Name Connector Type H.S.	Color of	Connector Name Connector Type	Color of   No. of   Color of   No. of		K
	П	ПП	П		L
DATTERY POWER SUPPLY Connector No. 82 Connector Number 10 WIRE TO WIRE Connector Types NS16PW-CS  H.S. 7 6 5 4 1 3 2 1 1 16 15 14 13 12 11 10 9 8	Signal Name [Specification]	TIMIT I I I I I I I I I I I I I I I I I	Signal Name (Specification)		PG
POWER 18 WIRE TO WIRE INSIGEW-CS 6 5 4		HYDRAULC UNIT LOZFB-MC			Ν
BATTERY Connector No. Connector Name Connector Type H.S. T	Codor of No. Were IS GR	Connector No. Connector Name Connector Type	Color of No. 7		0
				JCMWA4278GB	_
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Connector Name Brown F P P P P P P P P P P P P P P P P P P	Terminal   Color of   Signal Name (Specification)   No.   Wife   Signal Name (Specification)   Signal Name (Specification)	Commerce No. E16 Commerce Name VVEL ACTUATOR MOTOR RELAY Commerce Type 24347 9F900	Terminal   Color of   Signal Hane (Specification)   No.   Wife   Signal Hane (Specification)   F.
Connector No. E6 Connector Name provide distribution rower derivation with the provided provi	Terminal   Color of   Signal Name [Sheaffeatford]   No.   Wire   Signal Name [Sheaffeatford]   41   B/W	Connector No. E11  Connector Name HORN RELAY I  Connector Type 24381 7990A  1.3.	Terminal   Color of   Color of   Wire   Signal Name [Saeolfection]   2   SB
Corrector Name	Terminal Color of Nove   Signat Name [Sacoff cation]   No.	Connector No. E8  Connector Name Boule on ATTLAZENT POWER DESTRUTION MODIAE  Connector Types THI 65 W-NH  H.S. SERVING	Terminal   Color of   Signa Name [Specification]   Wire   Wire   P   -
BATTERY POWER SUPPLY Connector No. Et plots of the statement of the statem	Terminal   Coder of   Signal Name   Specification    No.   Wire   W	Connector No. E8  Connector Name peop is a particulari Pondia distribution Module  Connector Type NSQBFW-CS  WH.S. 85   190   89   87   86	Terminal Color of Nive Signal Name [Specification]  83 P

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< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

LED SEAT RELAY	Sprui Name (Specification)		Signal Name (Specification)		АВ
Instact No. E20 CLIMATE CONTROLLED SEAT RELAY MOGFBR. R-US    C	Wire BR O	r No. E79 Frame WIRE TO WIRE Type MOZEW-LC	Color of Wire Y		С
Connector No. Connector Name Connector Type H.S.	Terminal No. 5	Connector No. Connector Name Connector Type H.S.	Terminal No.		D
	feation]	되	fication]		Е
E19 MEATED SEAT RELAY MISOZEL-MZ	Signal Name [Specification]	ESS FRONT COMBINATION LAMP LH RSOBFB-PR  1 3 4 1 3 4 1 5 6 7 8	Signal Name [Specification]		F
	Color of Wire BR	2 0	Color of Wire LG		G
Connector No. Connector Name Connector Type	Terminal No.	Connector No. Cornector Name Cornector Type H.S.	Terminal No. No. 25		Н
	Signal Name (Specification)	Ke.   E41   Ass. CONTROL UNTO NO BLEOTING UNT CONTROL UNTO Type   BAA427EB-A424-LH   Ass. CONTROL UNTO Type	Signal Name (Specification) UBMR UBVR		I
	Signal Na	EST  SEACTATOR AND ESCOT  SEACTATOR AND ESCOT  THE THE SEAT OF SEATOR AND SEATOR  THE THE SEATOR AND SEATOR AN	Signal Na		J
Connector No. E18 Connector Name HOF Connector Type M03 H3.	Terminal Color of No.	Connector No. E41 Connector Name Also Connector Type BAA H.S.	Terminal Color of No. Wire 2 G G 3 R R		K
					L
BATTERY POWER SUPPLY Densetor No. E17 Connector Nume COOLING FAIN RELAY Connector Type 24347 9F900  ALS.	Signal Name (Specification)	E28 FRONT COMBINATION LAMP RH RS30FB-PR  6 6 7 8	Signal Name [Specification]		PG
FIT COOLING FAN RELAY 24347.9F900		FRONT COM RSG08FB-PR			Ν
BATTERN Connector No. Connector Name	Terminal Color of No. Wire 3 W	Connector No. Connector Name Connector Type Connector Type H.S.	Calor of No. Wire   W		0
		<u> </u>		JCMWA4280GB	Р
					1

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Connector No F106	90	Connector Type TH80FW-CS16-TM4	# S # H	Terminal   Color of   Signal Name [Sepecification]   3   Wire	Connector No. E204	Connector Name STARTER MOTOR	Connector Type 24348.51E61	1.8 O Z Z	Terminal Color of Signal Name [Specification]
Connector No E103	90	Connector Type NS16FW-CS	H.S.    7F 6F 5F 4F	Terminal Oxice of Signal Name (Specification)  BF L	Connector No. E203	Connector Name ALTERNATOR	Connector Type 24340, 65F45	<b>⊚</b> <b>⊗</b>	Terminal   Color of   Signal Name [Specification]   No.   Wire   B   B
Connector No F102	9	Connector Type M02FB-LC	H.S.	Terminal Objec of Signal Name [Seconfraction] 16. G	Connector No. E202	Connector Name BATTERY TERMINAL WITH FUSIBLE LINK	Connector Type 24340, 79905	(A)	Terminal Color of Signal Name [Specification] No. Wire 6 B/GR –
BATTERY POWER SUPPLY Connector No.   F101	e	Connector Type L01FW-MC	HS.	Terminal Color of Nime Signal Name [Socordication] 1D R - 1	Connector No. E201	Connector Name BATTERY TERMINAL WITH FUSIBLE LINK	Connector Type 24340,79908	H.S.	Terminal Color of Signal Name [Specification] No. Wire 5 B/Y –

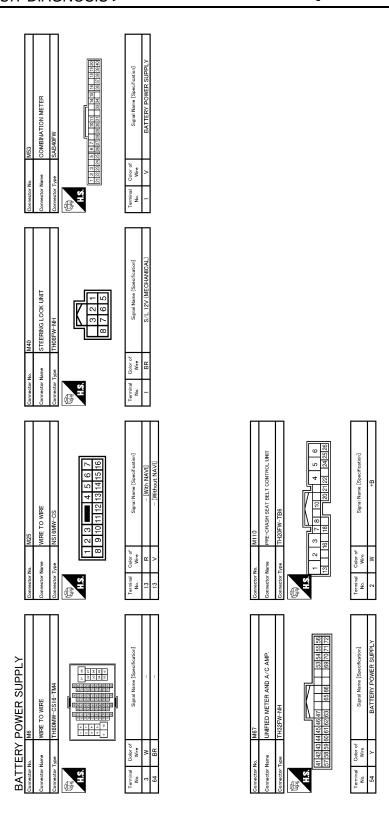
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< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

SP-L-U+Z    SP   SP   SP     SP   SP     SP   SP	SK (J/B)  S		АВ
Connector No.   F	Commetter No.   M2		C D
lood	loon)		Е
F31 A-7 ASSEMBLY RR(IDFG-DOY  RR(IDFG-DOY  Signal Name [Seecifeatrot]	NSOBFW-MZ  NSOBFW-MZ  SA TA FA SA 4A  Signal Name (Secortanted)		F
ire of R	N   W   N   N   N   N   N   N   N   N		G
Commetter No. Commetter Name Commetter Type (A.S. (A.S	Commercer No.  Commercer Name Commercer Name Terminal Color 1.A. 1.A. 1.A. 1.A. 1.A. 1.A. 1.A. 1.A		Н
OR Signal Name (Secreticatora)	Mission control, MobulE) Signal Name [Specification]  BATT		I
F36 ALTERNATOR HS03FB  4 3 2	F167   TOM (TRANSMISSION CONTROL MODULE)   SP10FG		J
Connector No. F. Connector Name Al Connector Type H.S. H.S. Connector Type M.S. Connector Type M.S. Colec of No. Were S. Colec of No. W	Commercer No.  Commercer Name  Commercer Name  Commercer Tremman  Code of Name  R.  B.  Tremman  Code of Name  R.  B.  Tremman  Code of Name  R.  A.  B.  Tremman  Code of Name  R.  R.  R.  R.  R.  R.  R.  R.  R.  R		K
[a			L
WIRE RESS SHZ8	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2		PG
POWE FI   WIRE TO W   SAA36FB-1	E CM BH40FB7-1 CM BH40FB7-1 CM BH40FB7-1 CM BH20FB7-1 CM		Ν
Commetter No.	Connector No. Connector Name Connector Name Connector Type Terminal Connector Type Terminal Connector Type No.		0
		JCMWA4282GB	Р

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JCMWA4283GB

< DTC/CIRCUIT DIAGNOSIS >

### [POWER SUPPLY & GROUND CIRCUIT]

# Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. I BATTERY POWER SUPPLY FUSIBLE LINK No. I

INFOID:0000000004372310

PM: With automatic drive positioner
OP: Without automatic drive positioner

Connect to

AUTOMATIC DRIVE POSITIONER CONTROL UNIT

BCM (BODY CONTROL MODULE)

DRIVER SEAT CONTROL UNIT

LUMBAR SUPPORT SWITCH

SIDE SUPPORT UNIT

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\*: This connector is not shown in "Harness Layout".

Connector No.

M118

(M52)

(B504)

(B505)

(B509)\*

Terminal No.

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Revision: 2010 March

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BATTERY POWER SUPPLY FUSIBLE	LINK No. I		
Connector No. B1	Connector No. B10	Connector No. B11	Connector No. B501
Connector Name WIRE TO WIRE	Connector Name WIRE TO WIRE	Connector Name WIRE TO WIRE	Connector Name WIRE TO WIRE
Connector Type TH80FW-CS16-TM4	Connector Type NS12FW-CS	Connector Type NS16FW-CS	Connector Type NS12MW-CS
	E	B	<b>E</b>
	66 (48 19] 3 32 67 40	60 67 33 21 48 32 66 5	33 5
Terminal Color of Signal Name (Specification) Wire 97 SB	Terminal Color of Signal Mane [Speoification] No. Wire Signal Mane [Speoification]	Terminal Color of Signal Name [Seedification] Whe Start Seedification]	Terminal   Color of   Signal Name [Specification]   Wife
Connector No. B502	Connector No. B504	Connector No. B505	Connector No. B509
Connector Name WIRE TO WIRE	Connector Name DRIVER SEAT CONTROL UNIT	Connector Name LUMBAR SUPPORT SWITCH	Connector Name SIDE SUPPORT UNIT
Connector Type NS16MW-CS	Connector Type NS16FW-CS	Connector Type NS04FW-CS	Connector Type NS06FW-CS
H.S. 19 3 1 1 40 17 40 15 66 32 48 21 33 67 60	H.S. (37 38 39 (40 41 42 44 45 48)	## FEET 48 33	4.5 55 — 54 33 53 52 48
Terminal Color of Signal Name [Specification] No. Wire Signal Name [Specification]	Terminal   Color of   Signal Name [Specification]   No.   Wire   Signal Name [Specification]   33   R   BAT (C/B)	Terminal Color of Signal Name [Specification] No. Wire Signal Name [Specification]	Terminal Color of Signal Name (Specification) No. Wire 33 R

JCMWA4285GB

< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

	MAS AUTOMATIO DEVVE POSITIONER CONTROL UNIT NS16FW-CS  34 35 36 7 39 41 44 48	Signal Nume [Specification] BAT (C/B)				АВ
	Connector No. MS2 Connector Name AUTOMATIC DRIVE Connector Type NS16FW-CS  RMM AS 33 4 35 36 1 142  H.S.  140 41 42 44	Terminal Golor of Supa No. Wee 39 W				C
	1000	peofication				Е
	WIRE TO WISE THROMW-CS16-TM4 THROMW-CS16-TM4 THROMM-CS16-TM4 T	Sugual Native [Specification]				F G
	Connector No.	Terminal Color of Wire By SB SB SB				Н
	# 7	Supai Name (Severication)	MISS BOM (BODY CONTROL MODULE) MISSFB-LC  113	Signal Name [Specification] BAT (F./L)		J
LINK No. 1	Commetter No. M6 Commetter Name WIRE TO WIRE Commetter Type ITHEOMY-CS 16—TM4  H.S. T.	Terminal Color of No. Wee B6 W	Connector Name BOM (BOD) Connector Name BOM (BOD) Connector Name MOSFB-LC HAS	Terminal Color of Mr. 1 W		K
Щ	***** ******	Signal Name (Speedination)		Signal Name (Specification)		L PG
BATTERY POWER SUPPLY FUSIBI	WIRE TO WIRE THOOFW-CS16-TMA	Color of Www.www.WW	M62 CIRCUIT BREAKER M02FW-P-LC	Oslor of WWw WW WW Signal Nam Sig		Ν
BATTEF	Connector Name Connector Trape  Character Trape  Trape  H.S.	Terminal Coo	Connector No. Connector Name Connector Type H.S.	Terminal   Colo   No.   M.	JCMWA4286GB	0
						Р

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Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. O - BATTERY POWER SUPPLY FUSIBLE LINK No. O

INFOID:000000000514260

30A			
2 B75	Connector No.	Terminal No.	Connect to
	(B71)	8	PARCEL SHELF UNIT
	B71	10	PARCEL SHELF UNIT
	B84	57	RETRACTABLE HARD TOP CONTROL UNIT
	(B84)	58	RETRACTABLE HARD TOP CONTROL UNIT
	(B84)	59	RETRACTABLE HARD TOP CONTROL UNIT
	(B85)	1	TRUNK CLOSURE SUB-CONTROL UNIT
(E89) (E361)	(B363)	2	TRUNK CLOSURE CONTROL UNIT

2009/02/27 JCMWA4287GB

< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

Connector No. B85 Connector Name TRUNK CLOSURE SUB-CONTROL UNIT Connector Type NSU6FW-CS  1.S. 4	Color of   Signal Name [Specification]     Y	Connector No. E79 Connector Name WIRE TO WIRE Connector Type MOZFW-LC	Terminal Color of Were Signal Name (Specification) 2 LG Signal Name (Specification)		A B C
Connector No. B84  Connector Nume RETRACTABLE HARD TOP CONTROL UNIT  Connector Type NS16FW-CS  R\$ 62 61 60 69 68 67 66 65 64  72 71 70 99 68 67 66 65 64	Terminal   Color of   Signal Name [Specification]	Connector No.  Connector Name TRUNK CLOSURE CONTROL UNIT Connector Type NSMFW-CS  H.S.  [4 3 2 1]	Terminal   Color of   Wire   Signal Name (Specification)		E F G
E LINK No. O Connector No. WIRE TO WIRE Connector Type MOZMW-LC  ALS.	Terminal Goldor of Signal Name [Specification]   No.	Commercer Name WIRE TO WIRE Commercer Types NSOBFW-CS  ALS.  2	Terminal Color of No. Nor Nor Nor No. Y		J K
BATTERY POWER SUPPLY FUSIBLE  Connector Nume  Connector Nume  Connector Type  NS16FBR-CS  MS  T 6 5 4	Terminal   Color of   Signal Name [Specification]   Wire	Connector No. B99  Connector Nume WIRE TO WIRE  Connector Type NSORMW-CS  H.S.	Terminal Cobor of No.   Signal Name [Specification]   Wire	JCMWA4288GB	PG N

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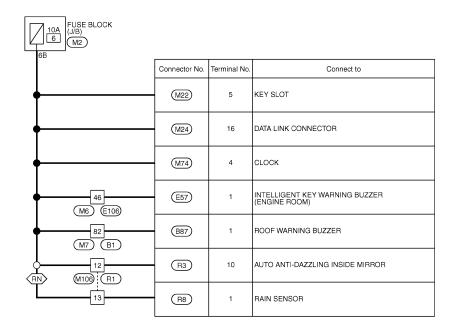
< DTC/CIRCUIT DIAGNOSIS >

### [POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 - BATTERY POWER SUPPLY FUSE No. 6

INFOID:0000000004372311

(RN): With rain sensor



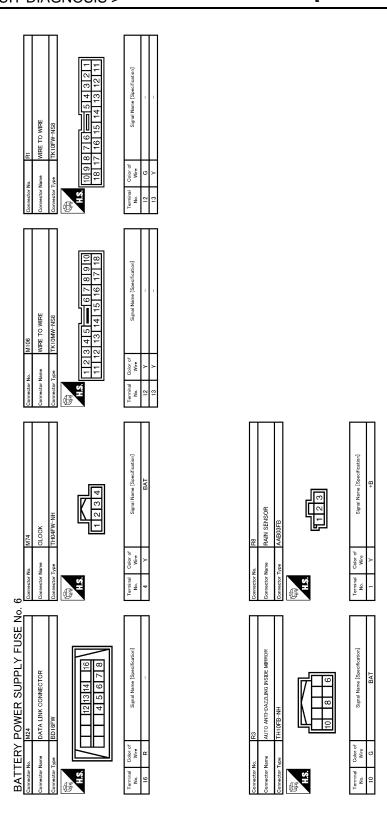
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< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

RRE SI 6-TAM4 Signal Name (Specification)	Signal Name (Specification)		A B
E 106 WIRE TO W A 12 12 12 12 12 12 12 12 12 12 12 12 12	M W22		С
Commeter No. Commeter Name Commeter Tree  Terminal Co. No. No.  46	Commetor No. Commetor No. Commetor Type  (Street Type No. No. No. 5		D
ation)	ation		Е
RYTELLOSOT REY WASHING BUZZER (ENGINE BOOD)  RROGFBR  Signal Name (Specification)	WIRE TO WIRE THBOMW-CSIE-TMA  THEOMY-CSIE-TMA  THEOMY-CSIE-TMA  THEOMY-CSIE-TMA  Signal Name [Specification]		F
or of fire	Notice of L		G
Commetter No. Commetter Name Commetter Type Terminal Col No. 1	Connector Name Connector Type Connector Type No. No. 82		Н
NING BUZZER  Signal Name (Specification)	Signal Name Speedicadors		I
OF WAR	N		J
Connector No. Connector Name Connector Type Terminal Color of No.  1.5.	Connector No. M6 Connector Name WIF Connector Type TH  H.S.  Terminal Color of No. Wire  46 Y		K
OSE No.			L
BATTERY POWER SUPPLY FUSE  Dimension Name  WIRE TO WIRE  THROPW-CS16-TM4  THROPW-CS16-TM4  THROPW-CS16-TM4  THROPW-CS16-TM4  THROPW-CS16-TM4  THROPM-CS16-TM4  THROPM-CS16-TM4	NSIOFW-CS NSIOFW-CS Signal Name [Specification]		PG
Color of   Color of	الله و الله الله الله الله الله الله الل		N
BATTEL Connector No. Connector Type Connector Type H.S. H.S. R. Col	Connector No. Connector Name Connector Type No. No. No.		0
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Revision: 2010 March PG-21 2009 G37 Convertible



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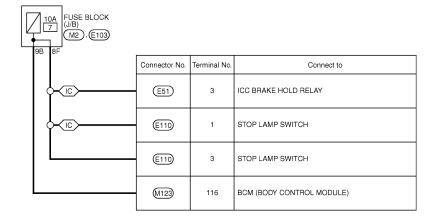
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -BATTERY POWER SUPPLY FUSE No. 7

INFOID:0000000004372312

(IC): With ICC



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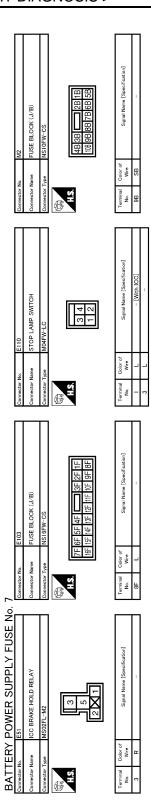
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M123	BCM (BODY CONTROL MODULE)	TH40FG-NH		Signal Name [Specification]	STOP LAMP SW 1
Vo.	Vame	Fype	151 150 159 159 157 151 150 149 149 149 147	Color of Wire	SB
Connector No.	Connector Name	Connector Type	S.H.	Terminal No.	116

JCMWA4293GB

< DTC/CIRCUIT DIAGNOSIS >

2009/02/27

[POWER SUPPLY & GROUND CIRCUIT]

# Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 - BATTERY POWER SUPPLY FUSE No. 9

INFOID:0000000004372313

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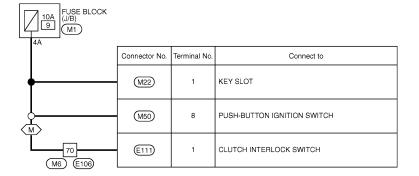
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M: With M/T



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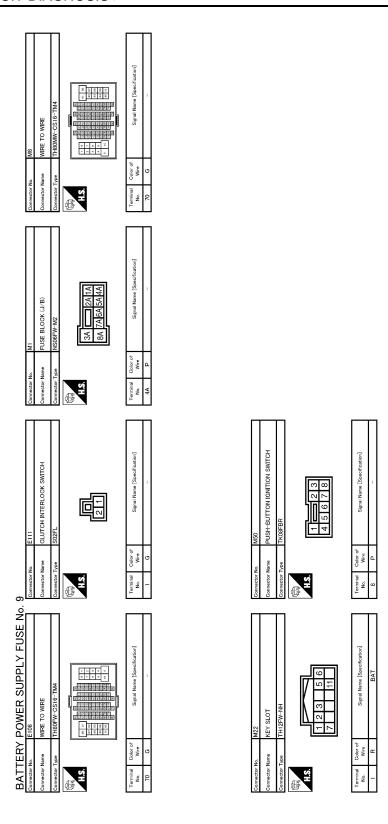
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Revision: 2010 March PG-25 2009 G37 Convertible



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< DTC/CIRCUIT DIAGNOSIS >

### [POWER SUPPLY & GROUND CIRCUIT]

# Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 - BATTERY POWER SUPPLY FUSE No. 10

INFOID:0000000004372314

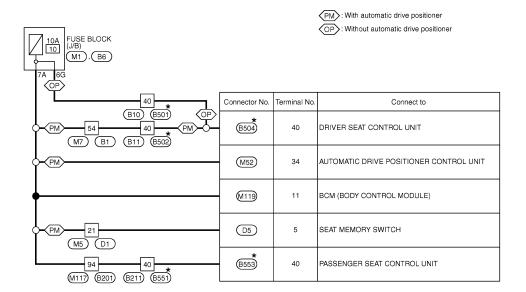
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★: This connector is not shown in "Harness Layout".

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2009/02/27 JCMWA4296GB

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Conserver No. 811	NSI 6FW-CS   M.S. 6FW-TS   M.S. 6FW-TS   M.S.   M	Terminal Color of Signal Name [Seperification]  No. Wree  40 BR	Connector Name   B502	Terminal Color of Signal Name [Specification]
Connector No.	Connector Type NS12FW-CS  H.S. 66 (48 19 3 32 67 40)	Terminal   Color of   Signal Name (Specification)   No.   A0   C   C   C   C   C   C   C   C   C	Connector No. B501  Connector Name WIRE TO WIRE  Connector Type NS12MW-CS  (A) 2 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Terminal Color of Signal Name [Specification]
Connector No BR	Connector Type  MS12FBR-CS  H.S.  5646  362616  125116 10596 8G 7G 6G	Terminal Coder of Supun Name (Specification)  Mo. G. G	Connector No. B211  Connector Name WIRE TO WIRE  Connector Type NS12FW-CS  (S) 33 1 40 5 32  (6) 48 8 66 67	Terminal Color of Signal Name [Specification] No.
BATTERY POWER SUPPLY FUSE No.	H.S. HOSOFW-CS:16-TM4	Terminal Color of Signal Name (Saeoffcation) 54 BR -	Connector No.  Connector Name  WIRE TO WIRE  Connector Type  H.S.    Washington   W	Terminal Golor of Signal Name [Specification] No. Wire Signal Name [Specification]

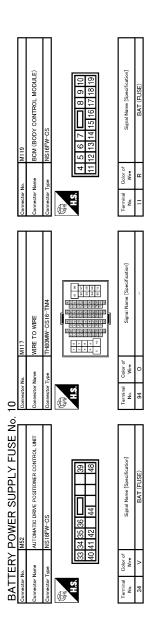
JCMWA4297GB

< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

No.   D1   NRE TO WIRE   TH40FW-CS15	Signal Name (Specification)	M7 WIRE TO WIRE THBOMY-CS16-TM4    1	Signal Name [Specification]		A B
Connector No.  Connector Name  Connector Type  1.15  Connector Type  1.15  Connector Type  Con	Terminal Color of No. 21 R R	Connector No.  Connector Name  Connector Type  1.3.	Terminal Color of Mr Wer S4 BR		D
TROL UNIT 88 39 48 48	orfraction] SE)	(2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	refrestor)		Е
3 SSENGER SEAT CON 6FW-CS 35 36  37 42  44 45	Signal Name (Seacrifuction) BAT (FUSE)	Mist	Signal Name [Specification]		F
Connector No. B55 Connector Name PAS Connector Type INSI H.S 33	Cole of   Phys.   Ph	Connector No. Miles Connector No. Miles Connector Type Triangle Connector No. Miles Connec	No. Wire of Wi		G H
	[cation]		[reation]		ı
MIRE TO WIRE INSTAMM-OS  22 5 40	Signal Name (Specification)	MI FUSE BLOCK (J/B) NSOGFW-M2 3A TAGA [SA [AA]	Signal Name [Specification]		J
Commercer No. BB51 Commercer Name WIRE Commercer Type NSI2 H.S. 32	Color of We We 40 R/W	MI PLOS Commercior No. MI PLOS Commercior No. Occurrence Type NSO Commercior Type NSO	Color of Nor		K
<u> </u>	$\overline{\square}$				L
POWER SUPPLY B504 B604 B104 B105 B105 B105 B105 B105 B105 B105 B105	Signal Name (Specification) BAT (FUSE)	D5 A08FW A08FW    5   6   7   2   1   4	Signal Name [Specification]		PG
ATTERY cettor No.  ector Type  23  240	Terminal Color of Nice 40 R/W	Commetter No. DS Commetter Name SEAT M Commetter Type AOSFW  WAS	Color of Nive 5 R P		N O
BA Comm	T Z	Communication	<u> </u>	JCMWA4298GB	
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Revision: 2010 March PG-29 2009 G37 Convertible



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< DTC/CIRCUIT DIAGNOSIS >

### [POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -BATTERY POWER SUPPLY FUSE No. 34

INFOID:0000000004372315

WB: With BOSE system NV: With NAVI ON: Without NAVI BN: With BOSE system without NAVI

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15A 34			
E106 6 M6			
	Connector No.	Terminal No.	Connect to
<del>\</del> NV\	M75)	2	DISPLAY UNIT
+	M80)	19	AV CONTROL UNIT
+	M87)	22	AV CONTROL UNIT
	M87)	24	AV CONTROL UNIT
<del>ON</del>	M81)	19	AV CONTROL UNIT
\_\wB\	M111)	5	iPod ADAPTER
89 (M117) (B201)	B236	12	SATELLITE RADIO TUNER
BN 40	B237)	1	TEL ADAPTER UNIT
66	(B241)	32	CAMERA CONTROL UNIT

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2009/02/27 JCMWA4300GB

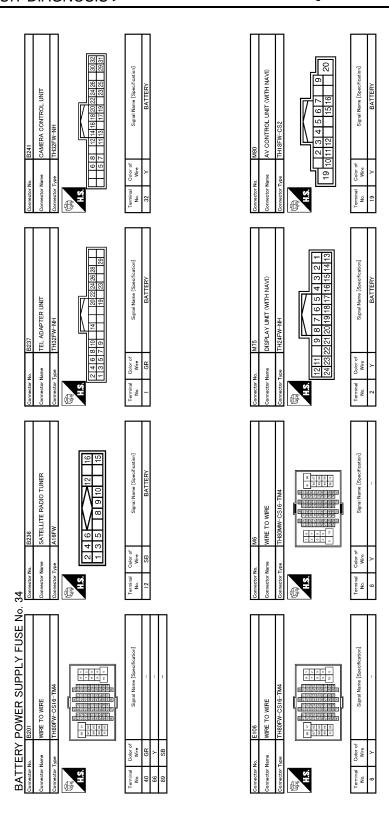
**PG-31** Revision: 2010 March 2009 G37 Convertible

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JCMWA4301GB

< DTC/CIRCUIT DIAGNOSIS >

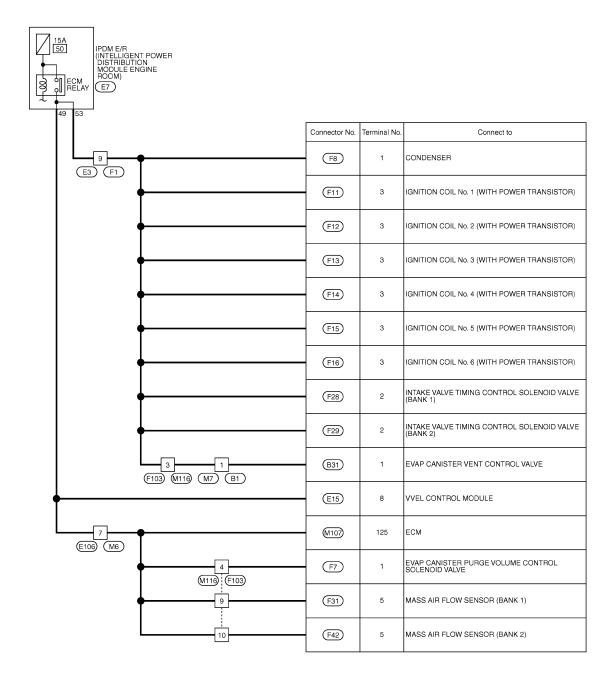
[POWER SUPPLY & GROUND CIRCUIT]

		А
AM.	Signal Name (Speedfactori)	В
M117 WIRE TO WIRE TH80MW-CS16-TM4	Signal and the state of the sta	С
Connector No. Connector Name Connector Type	Terremonal   Color of   No.   Wise   No.   Wise   No.   No	D
111 23 24 24	Pool	Е
Н Н 19 8 9 10	Signal Name (Secultreated) BATTERY	F
01 <u>4</u>	Object of Wife of	G
Connector Name Connector Type  L.S.	Terminal Rep. 5	Н
TH NAV()  6.60 6.60 6.60 6.60 6.60 6.60 6.60 6.	ERY FRY	1
NH (W	Sgral Name ISoseification] BATTERY BATTERY	J
No. Name Type	Wire of No.	К
<u>ё</u> пт	Temmad R 2 2 2 4 2 4 2 4 2 4 2 4 2 4 4 4 2 4 4 4 2 4	L
BATTERY POWER SUPPLY FUSE    M81	Signal Name [Specification] BATTERY	PG
POWER SUPPLY FUS MBI THISFW-CSZ THISFW-CSZ  Z 3 4 5 6 7 8 9 1112131415161718 20	Signal Name (Specified of Batter)	N
TTTERY POOR of the Name AV CC ctor Name AV CC ctor Types TH188	Code of Wire of Wire of	
BATTEL Connector Name Connector Type H.S.	Terminal Ro.	JCMWA4302GB
		Р

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# Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 - BATTERY POWER SUPPLY FUSE No. 50

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2009/02/27 JCMWA4303GB

< DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

Commercian No.   ET   Commercian No.   Color of   ET   Color of	Connector No. F7  Connector Name Eval countries place volual control, societor valve  Connector Type ECOFL-RS-LGY  Connector Type  Terminal Color of Signal Name [Specification]  No. Wer  R. Signal Name [Specification]	A B C
Connector No.   E3   Connector Name   WIRE TO WIRE	Convector Name	E F G
Commercer No. B31 Commercer Name EVAP CANISTER VENT CONTROL VALVE Commercer Types E027B-RS  Terminal Color of Name Supra Name [Specification]	Connector Name  Connector Name  Connector Type  TH80FF TO WIPE  Connector Type  TH80FF TO WIPE  TH80FF TO WIPE	J K
BATTERY POWER SUPPLY FUSE No.  Connector No.  HISTORY  Connector Type  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4  THEOPY-CS16-TM4	Connector No.   E15   Connector Name   VVEL CONTROL MODULE   Connector Name   WHIRFB-AJZB-RH	PG  N  O  JCMWA4304GB

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Connector Name (1974)  Connector Type (1974)  Connector Type (1974)  Terminal Octor of Name (Specification)  Realization Octor of Name (Specification)  Connector Name (1978)	Corrector Nume Board or No. 2 for the Power Travassion of Partner Car. 12 3	Connector Name injurior cat, No. 1 onth Power Traksistroe connector Type EDGFQY-RS  Terminal Color of Name (Specification)  Towns of Name (Specification)  Connector Name (Specification)	Signal Name   Secretarion
Terminal Color of	Terminal Color of	Terminal Color of	Signal Name [Specification]
		(1 <u>2</u> 3)	
Connector No. Connector Name Connector Type			ON CORE, No. 4 WITH POWER TRANSISTOR)
No war Wife of Market of M	Wree of Wire W	Wire of Wire of	Signal Nano (Specification)
	SH.	HS.	<u>-</u>
Connector Type	П	П	IDENSER FW-LC
Connector No.	Π	П	

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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

Connector No.  Connector Type  TR36FW-NS:0  Connector Type  TR36FW-NS:0  Connector Type  TR36FW-NS:0	No.   Wire   Signal Name (Seecification)   No.   No.	Mile   Connector Name   WIRE TO WIRE   Connector Name   WIRE TO WIRE   Connector Type   TRASAMY-NS10   Connector Type   TRASAMY-NS10   Connector Type   Conne	A B C
F42   MASS AIR FLOW SENSOR (BANK 2)   Co   RH06FB   Co   3 4 5   Co	Signal Name (Specification)	E CM RPEAFCY-RZ8-R-LH-Z    20   12   11   11   12   10   10   10	E F G
F31   Connector No.   MASS AIR FLOW SENSOR (BANK 1)   Connector Name   RH00FB   Connector Type   Connector	of Signal Nama (Specification) No. No.	WIPE TO WIPE  THEOMWY-C'SIG-TMA  THEOMY-C'SIG-TMA  Connector N  THEOMY-C'SIG-TMA  Connector N  THEOMY-C'SIG-TMA  Connector N  THEOMY-C'SIG-TMA  Connector N  THEOMY-C'SIG-TMA  THEOMY-C'SIG-TMA	H
RY POWER SUPPLY FUSE No. 50    F29   Connector No. 50   F29   Connector	Octor of Signal Name (Sewalination) Terminal Octor Miles R. – – – 55 Y	WINE TO WINE  THEOMWY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  THEOMY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  Commerce THEOMY-CS1G-TMA  Terminal  No. of Supal Name [Secretation]  Terminal	L PG
BATTERY Commetter Name Commetter Type Commetter Type	No. 2	Commetter Name Commetter Type Terminal Co	O JCMWA4306GB

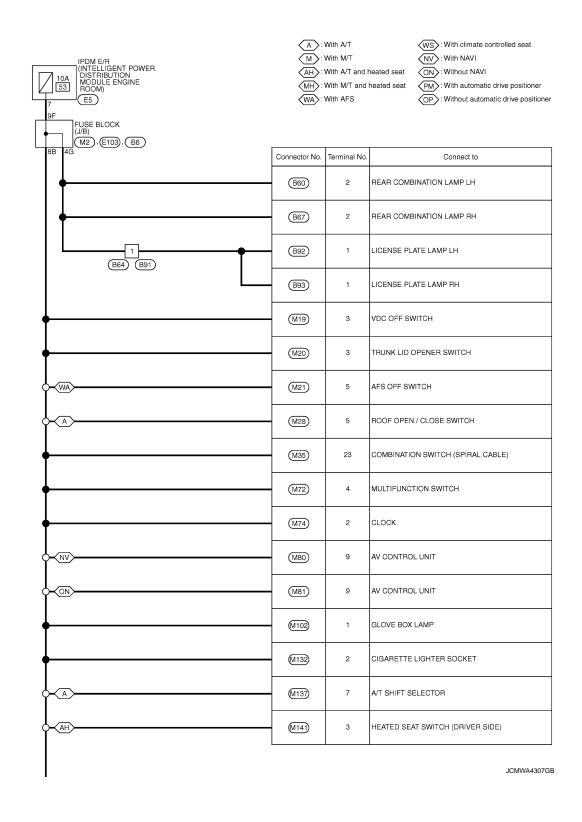
Revision: 2010 March PG-37 2009 G37 Convertible

< DTC/CIRCUIT DIAGNOSIS >

#### [POWER SUPPLY & GROUND CIRCUIT]

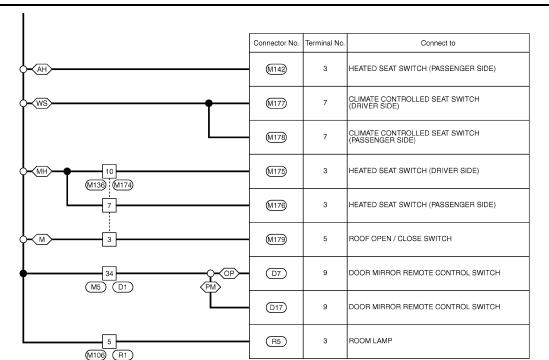
Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 - BATTERY POWER SUPPLY FUSE No. 53

INFOID:0000000004372317



#### < DTC/CIRCUIT DIAGNOSIS >

#### [POWER SUPPLY & GROUND CIRCUIT]



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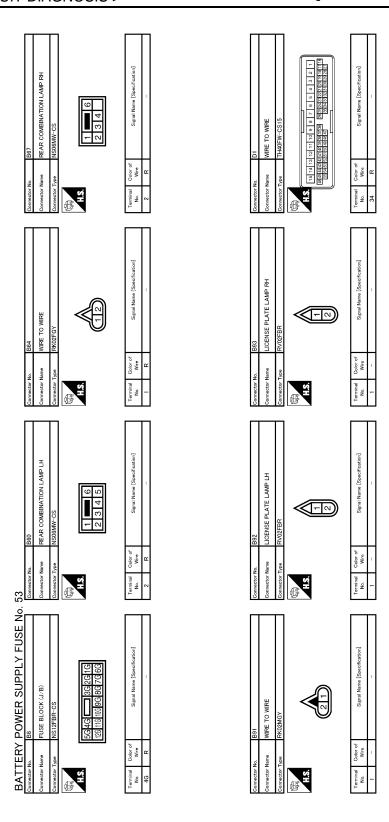
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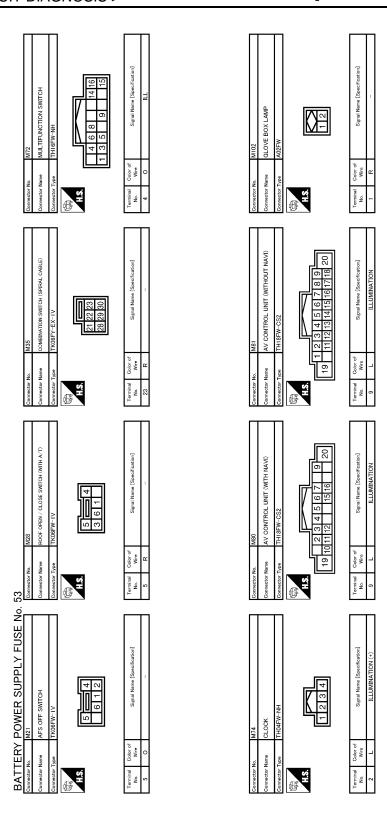
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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

2F 8F 9F 8F	beofication]	ТСН	secfication)		A B
E103 FUSE BLOCK (J./B) NS16FW-CS TE 6F 6F 4F 1 9F 11F 10F 18F 15F 14F 11F 10F	of Signal Name (Specification)	TRUNK LID OPENER SWITCH TKO4FW	Signal Name [Seedification]		С
Connector No. Connector Name Connector Type	Terminal Color of No. Wire 9F R R	Connector No. Connector Name Connector Type	Terminal Color of More 3 LG		D
170N MODULE	ation		atori		Е
Comment   Comm	Signal Name (Specification)	MI9 VDC OFF SWITCH TKOBFGY  1 4 3 2 1	Signal Name (Specification)		F
9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Color of Were R	2 0	Code of Wee of SB		G
Connec	Terminal No. 7	Commetter Name Commetter Type Commet	Terminal Re. 3		Н
10.7 Coord waters (2007 Coord	Signal Name [Soecification]	(1) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Signal Name [Specification]		I
D17	Signal Na	No.   M/S	Signal Na		J
Commettor No. Commettor Name Commettor Types H.S.	Terminal Color of No.   Wire   9   R	Connector No.  Connector Name  We connector Type  The connector Ty	Terminal Color of No. Wire 34 G.		K
USE No.					L
BATTERY POWER SUPPLY FUSE No.  Connector Name Connector Name Connector Types TK16FW  Connector Types TK16FW  TK16FW  TK16FW  TK16FW  TK16FW  TK16FW  TK16FW  TK16FW	Signal Nane (Specification)	25 52 1 28 18 88 78 66 58	Signa Name [Seedfleaton]		PG
POWE AUTOMATIC DR AUTOMATIC DR TKI GFW	Color of No. 2	M2 FUSE BLC NSTOFW 4B 3B 108 9B	Were of		Ν
BATTER Commetter No. Commetter Name Commetter Type	Terminal C No. 9	Connector No. Connector Name Connector Type H.S.	Terminal No. 88		0
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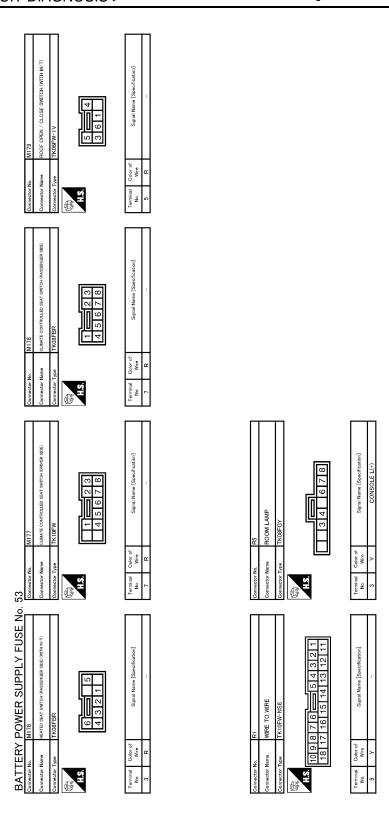
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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

10 m	Signal Name [Specification]	99 ER SIGE ONTH AV.T.	Signal Name [Specification]		АВ
Connector No. M137 Connector Name A-7 SHIFT SELECTOR Connector Type TH12FW-NH H.S. 1 2 3 4 5 6 7 8 9 10 111	Color of   Signal N	Connector No. MITS Connector Name HeXTBS SEAT SHITTON LOW/OR SIDES (MITH MAT) Connector Type TKLIGPW  MAS    6     6     5	Color of Signal N		C
Ooms Ooms 13		Come Come Come Come Come			Е
O WIRE  W-NH  W-101  W-	Signal Name [Seacrinated]	о wire w-ын б б б 7 8 9 10111 17 18 19 20 21 22 22	Signal Name (Seperiration)		F
Connector No. M136 Connector Name WIRE 1 Connector Type TH24F (1.5) (1.2) (1.2) (1.1) (24) (25) (21)	Terminal   Color of     No.   Wire     No.   No.     No.   N	Connector No. M174  Connector Name WIRE 1  Connector Type TH2AM  (1) 2 3 4  (1) 1 2 3 4	Color of   Reserved   Color of   Reserved   Reserved		G H
					П
MI32 GIGARETTE LIGHTER SOCKET NSGORH-GS	Signal Name (Soeoffication)	MI42 FREID SEAT SWITCH GASSENGER GIDE GWTH A.T) TKOBFEBR  6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Signal Name (Soserfication)		J
Commetor No. Commetor Name Commetor Type	Terminal Color of Mre 2 BR	Connector No. M142 Connector Name HEATED 9 Connector Name HEATED 9 Connector Type H.S.	Terminal Cider of Mer. 3 R. R. S. R. S. S. R. S.		K
BATTERY POWER SUPPLY FUSE No.  Connector Name WIRE TO WIRE  CONNECTOR TAYLOMY-NSS    1   2   3   4   5   6   7   8   9   10      1   1   1   1   1   1   1   1   1	peoffeativo)	7.7 A HITTON	perfeation)	ı	L PG
POWER SUPF MING WRR TO WIRE TKIOMW-NSS 3 4 15 6 7 12 13 14 15 16	Signal Name [Seedfration]	MI41 HACED SET SINTCH DRIVER SIDE OWTH A/T) TKI OFW  6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Signal Name [Seedfleaton]		N
BATTERY Monactor No. Monactor Name Works of Monactor Name Works of Monactor Type TIE 3 112 3 1112 3	Color of No. Were S. S. S. D. Were S. S. S. D. Were S. S. S. D. D. Were S.	ornector No.	Terminal Color of No.		0
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Revision: 2010 March PG-43 2009 G37 Convertible

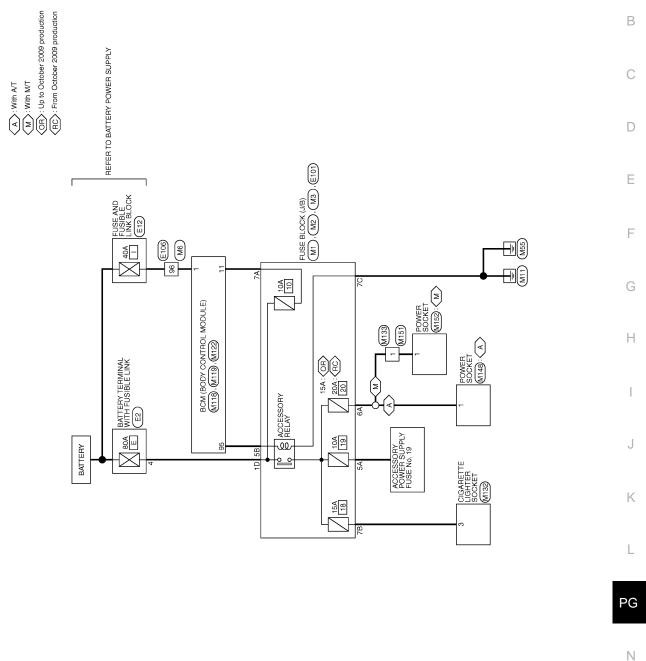


JCMWA4313GB

Wiring Diagram - ACCESSORY POWER SUPPLY -

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ACCESSORY POWER SUPPLY

2009 G37 Convertible

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Connector No.   M1	Terminal   Color of   Signal Name   Specification   No. Wire   Signal Name   Specification   S. No.   No.	Connector No. M118 Connector Name BCM (BODY CONTROL MODULE) Connector Type M03FB-LC  A1.S.	Terminal   Color of   Signal Name [Specification]   Wire   Wire   BAT (F/L)
Corrector No. E 106 Corrector Nome Corrector Type TH80FW-CS16-TM4  TH80FW-CS16-TM4	Terminal   Color of   Signal Name [Specification]   Wee   Wee   We   Terminal Name [Specification]	Connector Name Connector Type THEOMW-CSTG-TM4  Connector Type THEOMW-CSTG-TM4  THEOMW-CSTG-TM4	Terminal Color of Signal Name [Specification]  Were Were Were Were Were Were Were
Connector No. E101 Connector Name FUSE BLOCK (J/B) Connector Type L0FW-MC	Terminal Color of Ner Signal Name [Specification]  1D R	Connector No. M3  Connector Name FUSE BLOCK (J/B)  Connector Type NISTERW-CS  H.S.    100	Terminal Color of Nire Name [Specification] No. Wire 77 B -
ACCESSORY POWER SUPPLY Connector No. E2 Connector Name BATTERY TERMINAL WITH FUSBLE LINK Connector Type LOZFGY-MC	No. Wive Signal Name (Specification)  4 R R	Connector No.  Connector Name  Connector Type  MS.10FW-CS  MS.10FW-CS  48.88	Terminal Color of   Signal Name [Specification]   Wire   Wire   Signal Name [Specification]   Signal Name   Specification   Spec

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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

b WifeE LG	Signal Name (Specification)				АВ
Connector No. M133 Connector Name WIRE TO WIRE Connector Type M02FB-LC  H.S.	Terminal Color of No. Wire				C
M132 GIGARETTE LIGHTER SOCKET NS05FW-CS	Signal Name [Specification]	MIS2 POWER SOCKET (WITH M/T) POZEB-Z	Signal Name [Specification]		E
Commetter No. M132 Commetter Name CIGARETTE Commetter Type NS03FW-GS	Terminal Color of No. Wire 3.3 P.P.	Connector No. M152 Connector Name POWER SO Connector Type POZFB-Z	Terminal Color of No. Wire 1		G H
M122 TH40FB-NH TH40FB-NH TH40FB-NH TH0 EN	Signal Name [Specification] ACC RELAY CONT	P-LC	Signa Name [Specification]		I
Connector No. M122 Connector Name BCM (BODY CON- Connector Type TH40FB-NH  H.S. CONNECTOR CONTENT OF THE CONTEN	Terminal Color of No. We 95 O	Commetter No. MIST Commetter Name WIRE TO WIRE Commetter Types MOZNIB-P-LC	Terminal Coler of Mr. Wire Wire P. R. Mr. Wire P. R. Mr. Wire P. R. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr. Mr		К
RY POWER SUPPLY MI19 BCM (BODY CONTROL MODULE) NSIGEW-CS  5 6 7 1 18 19 10 12 13 14 15 16 17 18 19	Signal Name (Specification) BAT (FUSE)	M148 POWER SOCKET (WITH A/T) POZEB-Z	Signal Name [Specification]		PG
ACCESSORY POWER SUPPLY  Connector No. MI19  Connector Name BCM (SODY CONTROL MODULE)  Connector Type NS 16FW-CS  HS 6 7	Terminal Color of No. Wire II R.	Connector No. M146 Connector Name POWER SO Connector Type P02FB-Z MAS.	Terminal Color of No. Wire   Y		N O
				JCMWA4316GB	Р

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< DTC/CIRCUIT DIAGNOSIS >

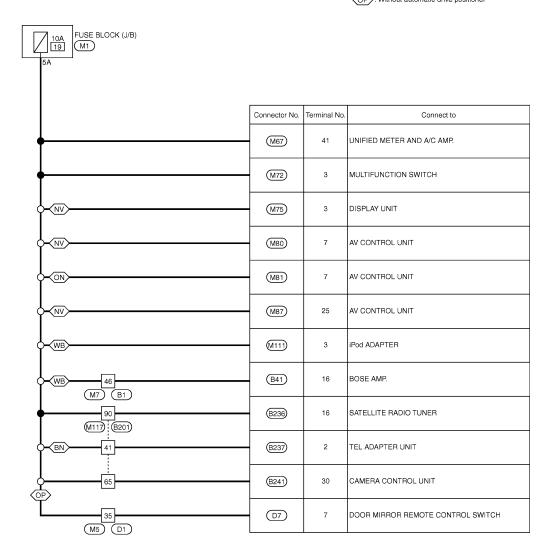
#### [POWER SUPPLY & GROUND CIRCUIT]

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 - ACCESSORY POWER SUPPLY FUSE No. 19

INFOID:0000000004372319

AOOEGOOTTI I OWEIT GOTT ET 1 OGE NO. 19

WB): With BOSE system
NV): With NAVI
ON): Without NAVI
BN): With BOSE system without NAVI
OP): Without automatic drive positioner



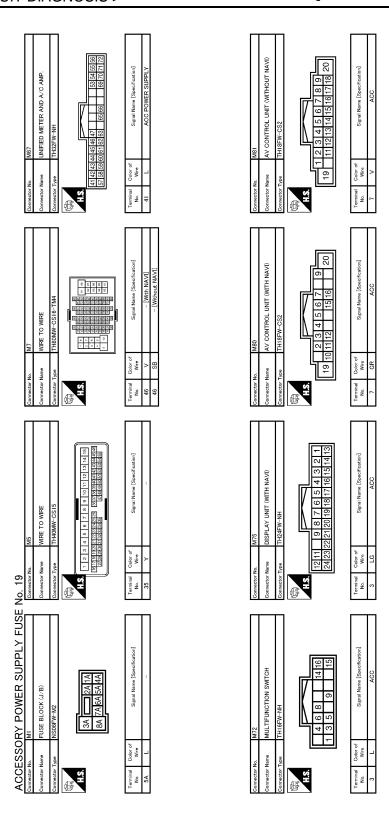
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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

SATELLITE RADIO TUNER   Same transport of the same transport of	Connector No. D7  Connector Name  Authorises Resour countrol, owthout of the Connector Types  TK 16FW  Connector Types  TK 16FW  TR 18FW  TR 18 9 10 12 13 14 15 16  No. Were  Signal Name (Specification)		A B C
Connector No. B201 Connector Name WIPE TO WIPE Connector Type TH80FW-CSI 6-TM4 Connector Type	Connector No.   D1   Connector No.   D1   Connector Name   WIRE TO WIRE   Connector Type   TH40FW-CS15   Connector Type		E F G
No. 19   Connector No. 1841   Connector No. 1841   Connector No. 1842   Connector No. 1842   Connector No. 1842   Connector No. 1843   Connector No. 1843   Connector No. 1844	September   Sept		J K
ACCESSORY POWER SUPPLY FUSE  Connector Name  Connector Name  Connector Name  Connector Name  Terrinal  Terrinal  Code of Wor  No. Sunal Name (Specification)	Connector No.   B237   Connector No.   B237   Connector Name   TEL ADAPTER UNIT   Connector Type   TH32FW-NH	JCMWA4318GB	PG N
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	Sonnector No. M117	Connector Name WIRE TO WIRE	connector Type TH80MW-CS16-TM4	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Terminal Color of Signal Name [Specification] No.		- BS 99	
	Conne	Conne	Conne	€ =	Fel	4	9	ć
	M111	iPod ADAPTER	TH24FW-NH	3 4 5   8 9 1011112 15 16 17   19 21222324	Signal Name [Specification]	ACC		
No. 19	Connector No.	Connector Name	Connector Type	H.S. 1 2 1 13 14	Terminal Color of No. Wire	3		
ACCESSORY POWER SUPPLY FUSE No. 19	M87	AV CONTROL UNIT (WITH NAVI)	TH40FW-NH		Signal Name [Specification]	ACC		
ESSO			П	22 24 26 28 21 23 25 27	Color of Wire	>		
ACC	Connector No.	Connector Name	Sonnector Type	H.S.	Terminal No.	25		

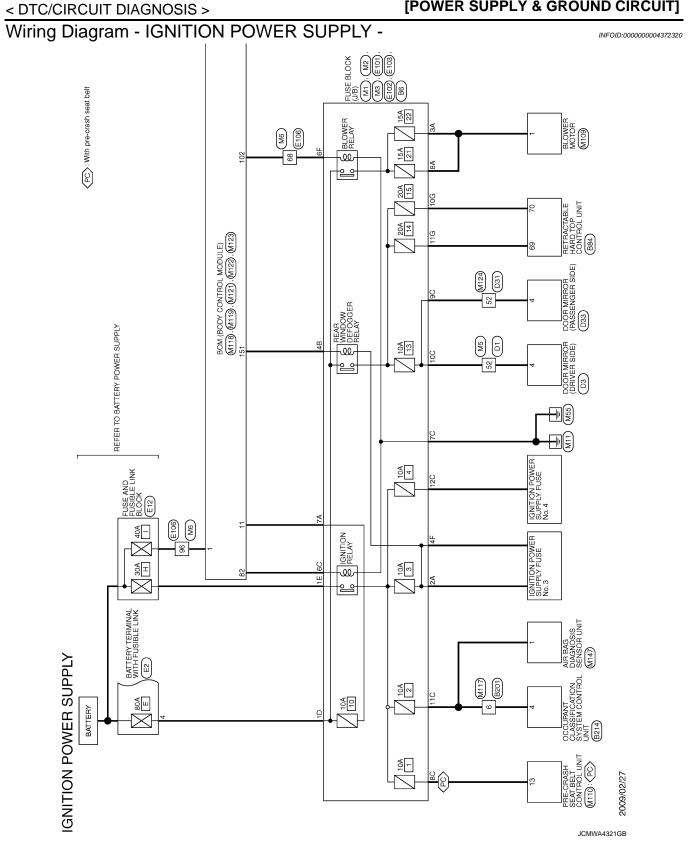
		_				
M117	WIRE TO WIRE	TH80MW-CS16-TM4		Signal Name [Specification]		
Connector No.	Connector Name	Connector Type	· B.S.	Terminal   Color of No.   Wire   41   G   65   SB   90   W		
Connector No. M111	Connector Name iPod ADAPTER	Connector Type TH24FW-NH	H.S.   1   2   3   4   5	Terminal   Cole of   Signal Name [Saeoffoution]   Wire		
	Connector Name AV CONTROL UNIT (WITH NAVI)	Connector Type TH40FW-NH	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Terminal Color of Nine   Signal Name   Specification]   Nine   Nine		
<u> </u>	J	<u>.</u> .	<b>_</b>			JCMWA4320GB

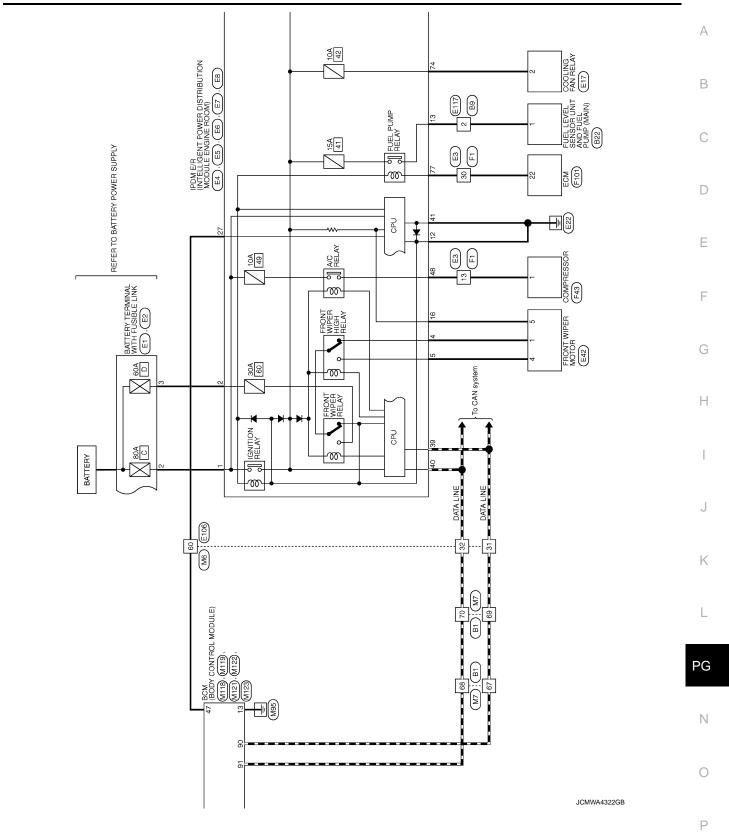
В D Е F G Κ PG Ν 0

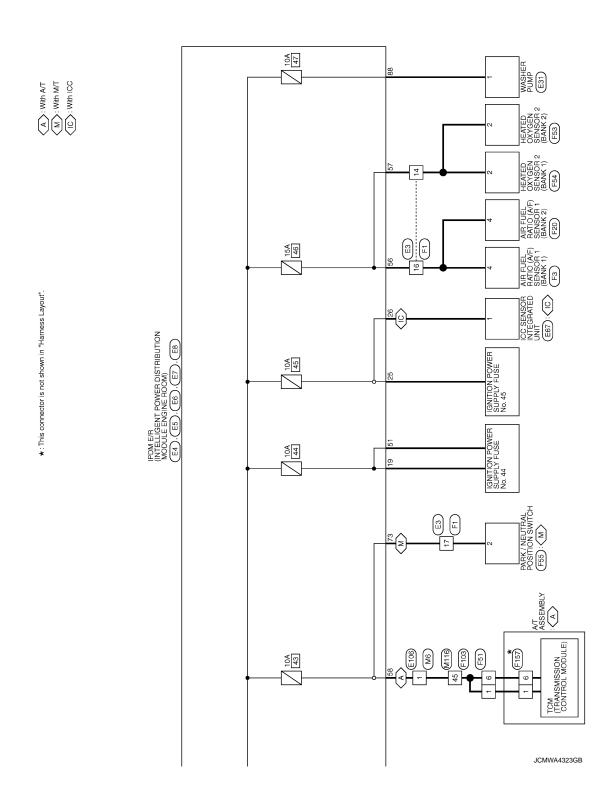
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**PG-51** Revision: 2010 March 2009 G37 Convertible







< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

EDSFOY-RS  C12345	Signal Name (Specification)		Signal Name (Specification)		АВ
Connector No. 822 Connector Name Pull, Levil, Scholor Connector Type EOSF GY-RS H.S.	Terminal Color of No.	Connector Name WIRE TO WIRE  Connector Name WIRE TO WIRE  Connector Type   T1440FW-CS15	Terminal   Color of   Sig		C
	Stepal Name [Specification]	as sisted colorines, user	Signal Name [Specification]		E F
MOGFW-LC    3 2 1     6 5 4	Calcor of Signal Na	8214 cocupant cussimonin	Color of Wire R		G
Connector Name Connector Type H.S.	Terminal No.	Connector No.	No. A		Н
Be FUSE BLOCK (J/B) NS12FBR-GS FG446 362616 126116 1089G 807G 6G	Signal Name [Severlication]	WIRE TO WIRE THEOFW-CS16-TM4	Signal Name [Specification]		J
Connector No. B6 Connector Name FUS Connector Type NSI H.S.	Terminal Color of   Pho.   Wise of   Pho.   Wise of   Pho.     110G   Pho.     111G   G   Pho.	Connector No. B201 Connector Name WIRE Connector Type TH600 H.S. In Inc. Inc. Inc. Inc. Inc. Inc. Inc.	Terminal Color of No.		K
SOWER SUPPLY BI WIRE TO WIRE THEOFW. CSIG-TMA	Signal Name (Soecification)	E84 NS16FW-CS S2 61 60 59 68 67 66 65 64	Signal Name [Specification] REAR WINDOW DEF IN 2 REAR WINDOW DEF IN 1		PG
IGNITION POWER SUPPLY Connector Name Connector Name TH80FW-CSI6-TM4  TH80FW-CSI6-TM4  TH80FW-CSI6-TM4	Terminal Color of   No.   Wite   No.   N	Connector No. B84 Connector Name RETRACIA Connector Type INSTGFW  W.S. R.S. R.S. R.S. R.S. R.S. R.S. R.S.	Terminal   Coder of   No.   Wire of   Oder of   No.   Oder of   Oder of	JCMWA4324GB	N O
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Corrector No. E1 Corrector No. E1 Corrector None BATTERY TERMINAL WITH FUSBLE LINK	Cornector Type LOZFBR-MC	Terminal Color of No. Wee Sgral Name (Specification) 2 W	Corrector Name Pape CR SHTLLEANT POWER DESTRIBUTION WODLE Corrector Type TH20PPV-CSI2-MA-IV  MA  LAS 1 T S STATE S	Terminal Color of New Signal Name (Specification)
Connector No. D33 Connector Name DOOR MIRROR (PASSENGER SIDE)	H.S. TH12MW-NH1	Terminal Color of Nune Signal Name Especification	Connector No. E4 Connector Name Bonk or R BITLUGBY POWER DISTRIBUTION WODULE Gomentor Types LOZFB-MC  H.S. 1	Terminal   Color of Nine   Signal Name   Specification   Nine   Terminal   Nine   Signal Name   Specification   Nine   Specification   Nine   Nine
Connector No. D31  Connector Name WIRE TO WIRE	TH40FW-CS15	Ferminal Color of Nore Signal Name (Specification)  52 L	Connector Name  Commetter Types  SAA36MAP-RS8-SHZ8  Commetter Types  SAA36MAP-RS8-SHZ8  A	Ferninal Color of   Signal Name [Specification]   Name   Specification]   Name   Specification]   Name
IGNITION POWER SUPPLY         Connector No.         D3         Connector No.         Connector N		Terminal   Cober of   Signal Name [Spandfraction]   Terminal   T	Connector No.  Commercer Name  BATTERY TEMBNAL WITH FUSSILE LINK  Commercer Types  LOZFGY-MC  Commercer Types  LOZFGY-MC  ALS.  S 4 D	Terminal   Color of   Signal Name [Specification]   Terminal   Name   Specification]   Terminal   Name   Specification]   Name   Specification]   Name   N

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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

Оотпекси No. E17  Солтекси Name (2001/10 FAN PELAY  Солтекси Туре (2441 9F900  1244 1 9F900	Terminal Color of New Signal Name (Specification) 2 G	Corrector No. E101 Corrector Name FUSE BLOCK (J/B) Corrector Type LOIFW-MC	Turnisal Color of Nove Signal Name [Specification]  1D R -	A B C
Connector No. E8  Connector Nume   E8  Connector Type   NSORFV-CS  Connector Type   NSORFV-CS    State   State	Color of Signal Name [Specfration]   Wire   Signal Name [Specfration]	Connector No. E67 Connector Name ICC SENSOR INTEGRATED UNIT Connector Type RSORTE P.R.  ALS.  ALS.	Wire Signal Name Specification]  R IGNITION	E F G
Connector No. ET Connector Connector No. ET Connector Connector Name Space Room 11/20FW-CS12-M4  Connector Type 11/20FW-CS12-M4	Terminal Color of Signal Name (Saedroution)   No.   No.	Connector No. E42 Connector No. E42 Connector No. E42 Connector Type HSOBFGY Connector Type	Terminal Coder of No.	H I J
IGNITION POWER SUPPLY   Connector No.   E6   Connector Name   E6   Connector Name   E6   Connector Name   E7	Terminal Color of   Signal Name [Spec/Frattori]   Signal Name [Spec/Frattori]   39   P	Connector No. E31 Commercer Name WASHER PUMP Commercer Types EDZFGV-RS  WH.S.	Temminal Color of No. Wire No.	PG N

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Connector No. E117  Connector Name WIRE TO WIRE  Connector Type MOBMW-LC  1 2 3  1 2 3  4 5 6	Terminal   Color of   Signal Name [Specification]   No.   Wire     Y	Connector No. F43 Connector Name COMPRESSOR Connector Type RSDIFB	Terminal Color of Nime Specification] No. 1 L
Cornector No. E106 Cornector Type WIRE TO WIRE  Cornector Type WIRE TO WIRE  WIRE TO W	Terminal   Color of   Supral Name [Specification]	Connector Nume  Ocunector Nume  AR FUEL PATTO (A,F) SENSOR 1 (BANK 2)  Connector Type  AFZO4FDGY	Terminal Color of No. Wire Signal Name [Specification]
Connector No. E103 Connector Name FUSE BLOCK (J/B) Connector Type NS16FW-CS  A1.3  TF 6F 5F 4F  3F 2F 1F  16F 16F 16F 16F 17F 10F 9F 8F	Ternical Color of   Signal Name (Saecification)   4F   6F   BR	Connector No. F3 Commenter Name APP FuEL. RATIO (A/F) SENSOR 1 (BANK 1) Connector Type AFZOAFDGY  AFZOAFDGY  1.5.	Terminal Color of No. Wire Signal Name [Specification] 4 Y
IGNITION POWER SUPPLY Commerce No. E102 Commerce No. E102 Commerce Type MOZEB-LC  ALS  ZETE	Terminal   Color of   Signal Name [Specification]   No.   Wire	Connector Nume WRE TO WRE  Connector Name SAAA36FB-RS8-SHZ8  Connector Type SAA36FB-RS8-SHZ8	Terminal Golor of North Wire Signal Name [Specification] 13 L

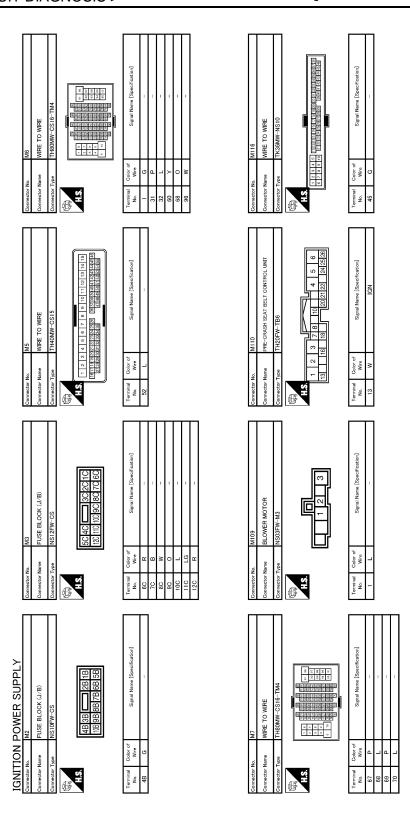
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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

10 TO					Α
F85 PARK / NEUTRAL POSITION SWITCH RROZFB	Signal Name (Specification)	(J/B) 12A1A 45A4A	Signal Name [Specification]		В
F55 PARK / NEUTI RKOZFB		MI FUSE BLOCK (J/B) NSOGFW-MZ 3A			С
Connector No. Connector Name Connector Type H.S.	Terminal Color of No. We 2 W	Connector No. Connector Type	Terminal   Color of Nice   Nice   Color of Nice   Nice   Nice   Color of   Nice   Ni		D
2 (BANK 1)	setion	морице)	Del (or I)		Е
F94 HEATED OXYGEN SENSOR 2 (6AMK 1) AFZOAFB  1123 134	Signal Name (Specification)	F157 TOM (TPANSMISSION CONTROL MODULE) SP10FG  (1 2 3 4 5 6 7 8 9 10)	Signal Name (Separatrastro) VIGN VIGN		F
2 0	Color of Wer P		Gole of W Wes		G
Connector Name Connector Type H.S.	Terminal No.	Connector Nane Connector Nane H.S.	Terminal No. 1		Н
OR 2 (BANK 2)	peofication]	- D - A L 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	pecification]		I
F83 HEATED GXYGEN SENSOR 2 (BANK 2) AFZO4FB  1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Sarral Name (Savorfroation)	F103	Signal Name [Specification]		J
Connector No. F53 Connector Name HEA Connector Types AF2 H.S.	Terminal Color of Mr. Wire 2 LG	Connector No. F103 Connector Name WIRE TC Connector Type TX35FW  M.S. REPRESENTED TO	Code of No. Wre 45. Y		K
Conne	Temple 1	Conne	Term R A A		L
BPL∀	Signal Name (Specification)	-Z 10 10 10 10 10 10 10 10 10 10 10 10 10 1	Signal Name [Specification] FPR		PG
DOWER SUL	Signal Ne	ECM RH40FB-RZ8-L-LH RH40FB-RZ8-L-LH 140 36 28 24 20 118 38 34 30 22 118 38 34 30 22 118 37 33 43 25 21 117 11 11 11 11 11 11 11 11 11 11 11 11 11	Sign at National Nati	_	N
IGNITION POWER SUPPLY Connector No.   F51 Connector Nume   Art ASSEMBLY Connector Type   RK10FG-DGY    RK10FG-DGY   RK10FG-DGY   RK10FG-DGY   RK10FG-DGY   RK10FG-DGY	Color of   Color of	CONNECTOR NA.  (CA)  (CA	Terminal Color of No. Wire 22 R R		0
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< DTC/CIRCUIT DIAGNOSIS >

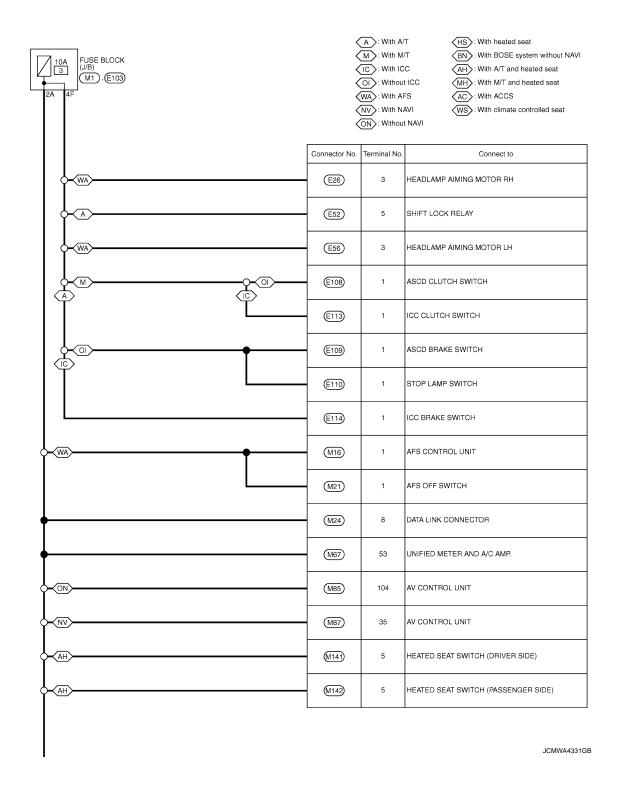
# [POWER SUPPLY & GROUND CIRCUIT]

NOL MODULE)	Signal Name [SteerInstron] (GN RELAY (IPDM E/R) CONT	S SENSOR UNIT	Signal Name (Specification)		A B
MI21 BCM (BODY CONTROL MODULE) BCM (BODY CONTROL MODULE) TH40FCV-NH  TH30FG and an extent and an ext	Oolor of Wire	M147 AIR BAG DIAGNOSIS SENSOR UNIT Treetor Type M1267-EX R B 9 7 6 2 5 4 3 R B 0 7 6 2 5 4 3 R B 0 7 6 2 5 4 3 R B 0 7 6 2 5 4 3 R B 0 7 6 2 5 4 3 R B 0 7 6 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 4 3 R B 0 7 6 7 2 5 7 4 3 R B 0 7 7 2 5 7 4 3 R B 0 7 2	Color of Wire LG		С
Cornector No. Cornector Name Cornector Type H.S.	Terminal No. 47	Connector No. Connector Type Connector Type H.S.	Terminal No.		D
ли.е)	sakend	0 1-10 0	netioni		Е
MI18 ROM (BODY CONTROL MODULE) NSIGFW-CS 5 6 7 1 8 9 10 12 13 14 15 16 17 18 19	Signal Name (See officiation) BAT (FUSE) GND	MIZ4 Name WIRE TO WIRE TH40MM-CS15  (1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 15 15 14 15 15 15 14 15 15 15 14 15 15 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15	Signal Name (Specification)		F
4 =	Donor of B	### MI24  WIRE TO WIRE  WIRE T	O Ne of We of Me o		G
Cornector No. Cornector Name Cornector Type H.S.	Terminal No. 11	Connector No. Connector Type Connector Type H.S.	Terminal No. 852		Н
MII8 BOM (BODY CONTROL MODULE) M03FB-LC  113	Signal Name [Sosoffcation] BAT (F/L)	MIZ3 BCM (BODY CONTROL MODULE) TH40FG-NH  TH40FG-NH  TH TH40FG-NH  TH40FG-NH  TH40FG-NH	Signal Name [Soxedfraston] REAR WINDOW DEFOGGER RELAY CONT		I
WITE WORFB-LC MOSFB-LC	Signa	M123 BCM (BODY CC TH40FG-NH TH20FG-NH TWENDER WENT	Signa		J
Connector No. MITS Counsetor Name BCM Counsetor Type MOSF	Terminal Color of No. Wife W	Commetter No.  Commetter Name BCM Commetter Type TH400 ENGE ENGE ENGE ENGE ENGE ENGE ENGE ENGE	Terminal Color of No. Wire 151 G PE		K
	П				L
IGNITION POWER SUPPLY  Sometor Name MITS  THROMW-CS16-TM4  THROMW-CS16-TM4  THROMW-CS16-TM4  THROMW-CS16-TM4  THROMW-CS16-TM4  THROMW-CS16-TM4	Signal Name [Severification]	MIZZ EDM (BODY CONTROL MODULE) TH40FB-NH TH60FB-NH	Signal Name [Specification]  IGN RELAY (F/B) CONT  CAN-L  CAN-H  BLOWER FAN MOTOR RELAY CONT		PG
MILLY WIRE TO WIRE THROWN-CSIG	4.	M122 BCM (BODY) TH40FB-NH TH40FB-NH			Ν
IGNITION Commetter Name Commetter Type Commetter Type LES	Color of No. Wire S. R.	mector No. mector Name meetor Type M.S. [0] [0] [0] [0] [0]	Color of Nine   Color of Nine   Wire   Wire   Nine   Nin		0
	Ë	Comm	<u> </u>	JCMWA4330GB	
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Revision: 2010 March PG-61 2009 G37 Convertible

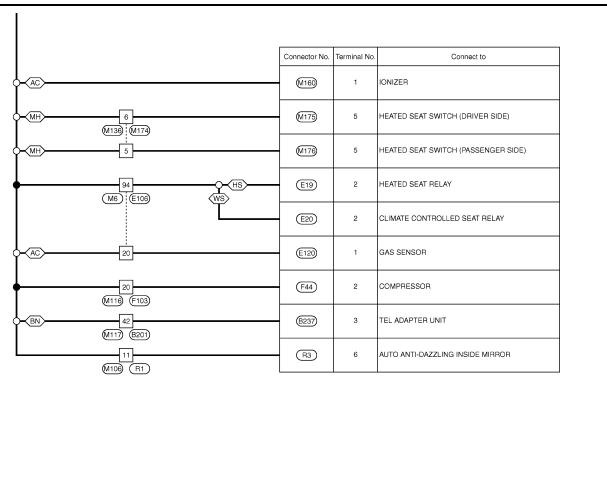
Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 - IGNITION POWER SUPPLY FUSE No. 3

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# < DTC/CIRCUIT DIAGNOSIS >

#### [POWER SUPPLY & GROUND CIRCUIT]



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Commetor No. E20	TED SEAT RELAY Connector Name 271–M2 Connector Toe	HIS WITH	Signal Name (Severification)  No. Wire Signal Name (Severification)  2 W	Commerce No.   E103	Signal Name [Specification]  Terminal Color of Signal Name [Specification]  No. Wire
Connector No.	9 9	1	Terminal Delever of No. Wive 2 V	Commetor No. ESG. Commetor Name HEA. Commetor Type RVO	Terminal Color of No. Wire
3 Connector No.   B237	2 9	2 2 8	Terminal   Color of   Signal Name   Specification	Connector No. ES2 Connector Name SHIFT LOCK RELAY Connector Type MS02FL-M2  13 15 15 15 15 15 15 15 15 15 15 15 15 15	Terminal Color of Signal Name [Specification]
IGNITION POWER SUPPLY FUSE No. Connector No. 18201	e e		Terminal Color of Signal Name [Saeoffcation]  42 O	Connector No. E26 Connector Name HEADLAMP AINING MOTOR RH Connector Type RV03FB  (3 1 2)	Terminal Color of Signal Name [Specification]

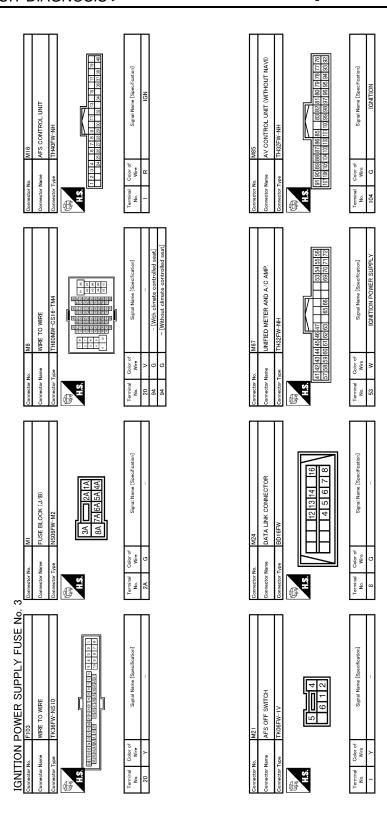
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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

				П		А
	MITCH 42	Signal Name (Specification) - [With IGG] - [Without IGG]		Signal Name (Specification)		В
	STOP LAMP SWITCH MOMPW-LC		F44 COMPRESSOR RKOZFGY			С
	Connector No. Connector Type	Terminal   Color of   No.   Wite   No.   No.	Connector No. Connector Name Connector Type	Terminal Color of No. Wre 2 Y		D
		ken]		ken]		Е
	ASD BRAKE SWITCH SOZEL	Signal Name (Speedination)  - [With M/T]  - [With M/T]		Signal Name (Seacrification) POWER		F
		Obje of Miles of States	GAS SENSOR	Oolor of Wires		G
	Connector No. Connector Name Connector Type	Terminal No.	Connector No. Connector Type Connector Type H.S.	Terminal Co. Ro.		Н
		efraction		of cation of AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		I
	ASCD CLUTCH SWITCH SOZEL	Supai Name (Soeoffication)	EI14 SIZET.	Signal Name [Specification] - [With M.7] - [With M.7]		J
		Coder of Wire	ПП	Color of Wire		K
ر. ب		Terminal No.	Connector Name Connector Name Connector Type	Preminal Richards 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		L
PLY FUSE N		Signal Name [Severination] [Without climate controlled seat]		Signal Name [Specification]		PG
WER SUP	WIRE TO WIRE TH80FW-CSIG-TM4	Signal Name  - (With olimate  - [Without climate	SIZER.	Signal Name		N
IGNITION POWER SUPPLY	Connector Name WIRE Connector Types TH80  H.S.    Connector Type   Connect	Terminal Color of Mire Wiles V	ector No.	Color of Wire Color of O		0
5I	Conne	-	Communication	<u> </u>	JCMWA4334GB	Р

Revision: 2010 March PG-65 2009 G37 Convertible



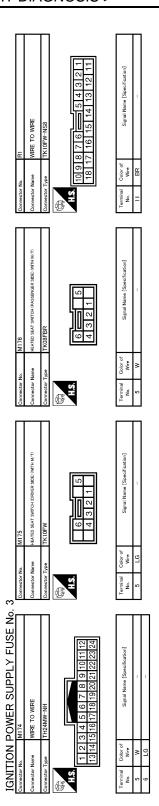
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< DTC/CIRCUIT DIAGNOSIS >

# [POWER SUPPLY & GROUND CIRCUIT]

Connector No.  Connector Name WRE TO WIRE  Connector Type TH80AW-CS16-TM4  LLS  TH80AW-CS16-TM4  TH80AW-CS16-TM4	Terminal Color of Signal Name (Specification) 42 LG -	Connector No. M160 Connector Name IONIZER Connector Type THO4FW-NH  THS	Terminal   Color of   Signal Name [Speedfaction]     V   IGN   IGN     Terminal   Term		A B C
Connector No. MI16 Connector Name WIRE TO WIRE Connector Type TRASBMY-NS10  MAX H.S. Connector Type Trasbmy-name agreement and the connector trasbmy-name agreement and trasbmy-name agreement agreement and trasbmy-name agreement and trasbmy-name agreement agreement and trasbmy-name agreement agreement agreement agreement agreement agreement agreement agr	Terminal Color of Nor Signal Name [Specification] 20 Y	Connector No. M142  Connector Name HeATE SEAT SWITCH PASSENGES SIDE (WITH A T)  Connector Type  TKORFER  A.S.  6  6  6  7  1  1  1  1  1  1  1  1  1  1  1  1	Terminal Color of Signal Mane (Specification)  No. Wre  M		E F G
Cornector Nu.   MIO6	Terminal Color of Nire No. Wire Wire [Specification]	Connector No. M141  Connector Nume Hextes Start SWITCH (DRIVER SIDE ONTH A.T.)  Connector Type TK1 (DRIV  H.S.  H.S.  E. TK1 (DRIVER)  H.S.  E. TK1 (DRIVER)	Terninal Oxfor of Signal Name [Saeofreation] No. Wire Wire Wire Wire Wire Wire Wire Wire		J K
IGNITION POWER SUPPLY FUSE No. Connector No. Connector Name AV CONTROL UNIT (WITH NAV)) Connector Name AV CONTROL UNIT (WITH NAV) CONNECTOR NAVA CONTROL UNIT (WITH NAVA) CONTROL UNIT (WITH NAVA	Terminal Coler of Signal Name [Specification] No. Wire 35 G IGNITION	Connector No. M136 Connector Name WIRE TO WIRE Connector Type TH24FW-NH  M.S. T2 [11   10   9   8   7   6   5   4   3   2   1    Z4 Z3 Z2 [27   20   19   18   17   16   15   14   13	Terminal Coder of   Signal Name [Speedication]   No.   Wire   Wire	JCMWA4336GB	PG N

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R3	AUTO ANTI-DAZZLING INSIDE MIRROR	TH10FB-NH	100	Signal Name [Specification]	IGN
ło.	lame	ype		Color of Wire	BR
Connector No.	Connector Name	Connector Type	E.S.	Terminal No.	9

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< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

# Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

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IGNITION POWER SUPPLY FUSE No. 4

A: With A/T
M: With M/T

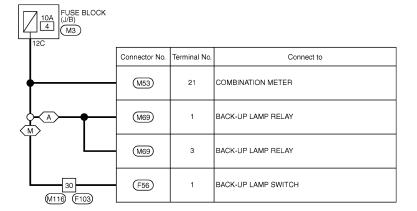
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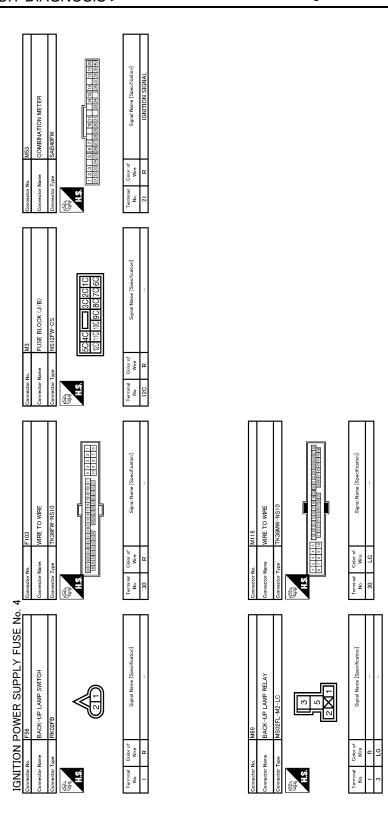
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< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

# Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

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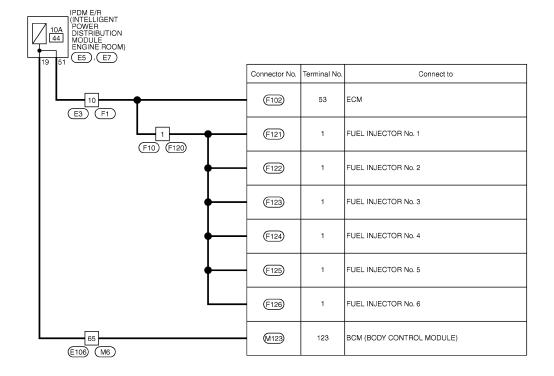
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**IGNITION POWER SUPPLY FUSE No. 44** 



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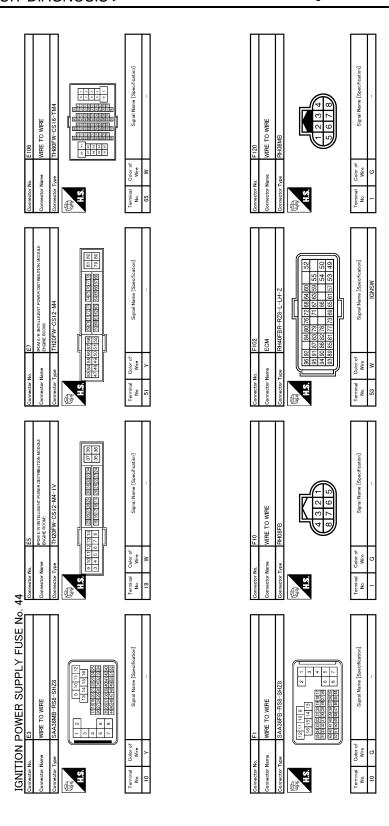
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JCMWA4341GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

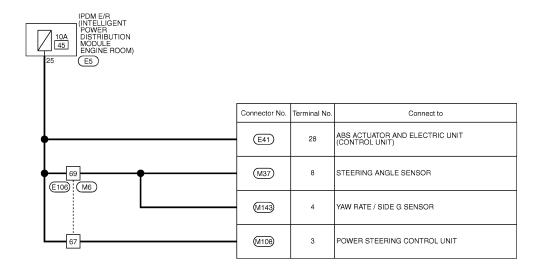
# [POWER SUPPLY & GROUND CIRCUIT]

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ECTOR No. 4	Signal Name (Specification)	BOM (BODY CONTROL MODULE) TH40FG-NH TH40FG-NH Signal Name [Specification] Signal Name [Specification]		В
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	eatord	[minor]		Е
FIZ3 FUEL INJECTOR No. 3 HSGEFGY	Signal Name (Specification)	WINE TO WINE THEOMY-CSIG-TMA  THEOMY-CSIG-TMA  THEOMY-CSIG-TMA  Signal Name [Secretation]		F
	Color of G	Solor of Wire		G
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FI22 HUEL INJECTOR No. 2 HSGERGY	Signal Name	FIZE FUEL INJECTOR No. 6 HSGZFGY Signal Name [5		J
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Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 - IGNITION POWER SUPPLY FUSE No. 45

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# POWER SUPPLY ROUTING CIRCUIT

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## POWER SUPPLY ROUTING CIRCUIT

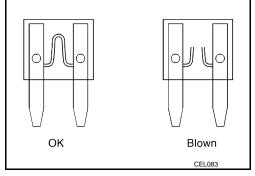
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Fuse INFOID:000000004372325

• If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.

- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is not used for a long period of time.



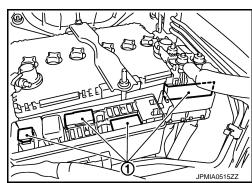
Fusible Link

A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

1 : Fusible link

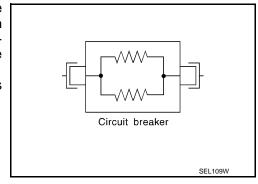
### **CAUTION:**

- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.



Circuit Breaker

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.



# **HARNESS LAYOUT**

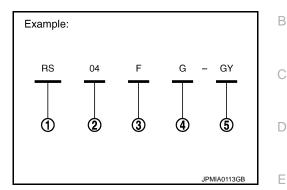
# How To Read Harness Layout

1 : Connector model

2 : Cavity

3 : Male (M) and female (F) terminals

4 : Connector color5 : Special type



## **CONNECTOR SYMBOL**

Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Connector symbol	<b>©</b>	۵		
Fround terminal etc.	_	_	•	P

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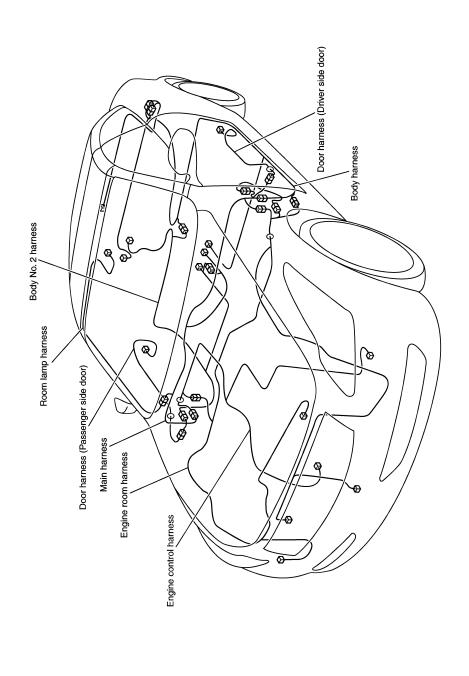
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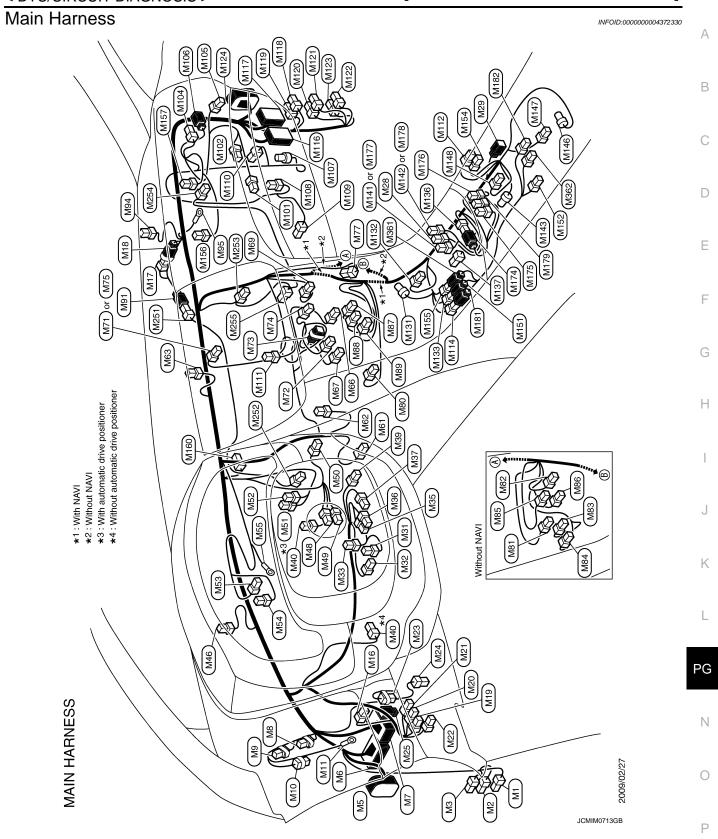
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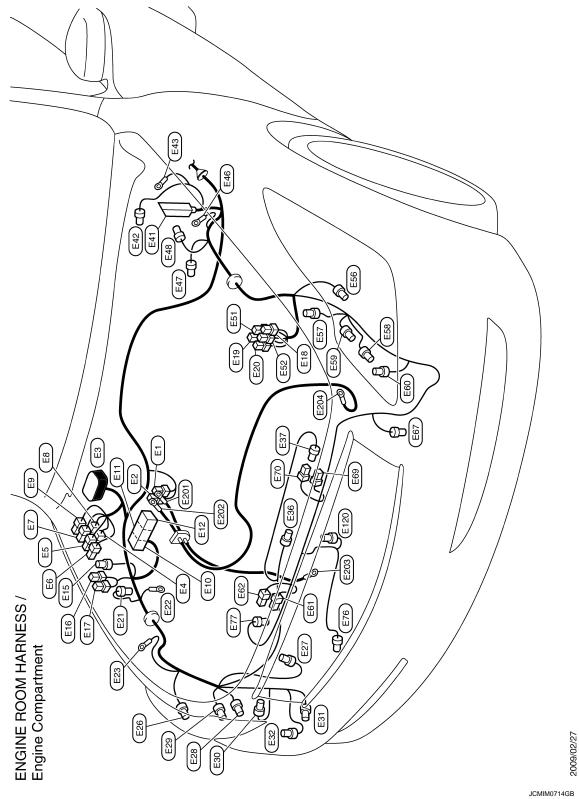
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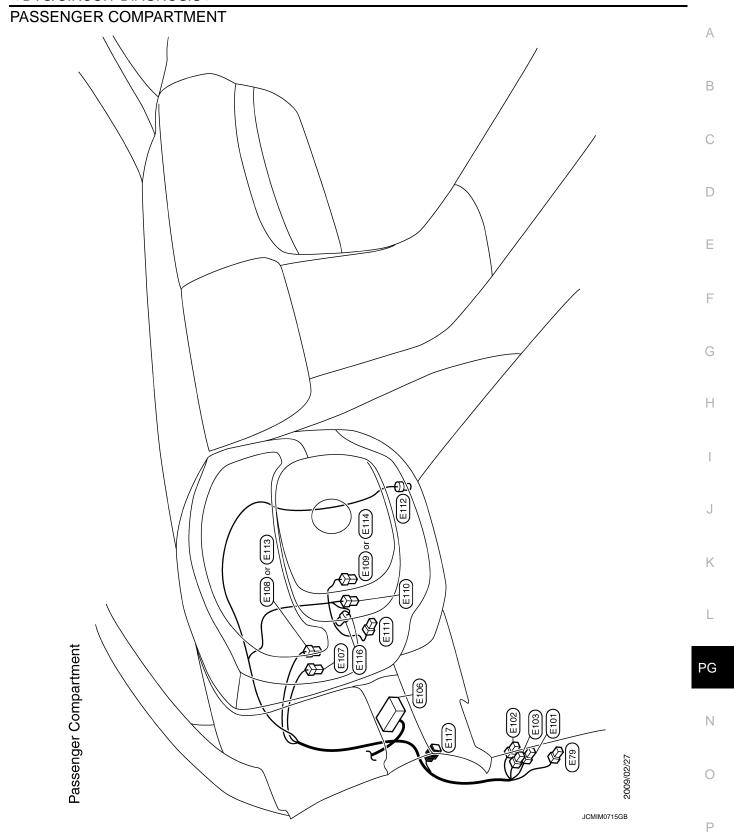
# **Engine Room Harness**

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## **ENGINE COMPARTMENT**



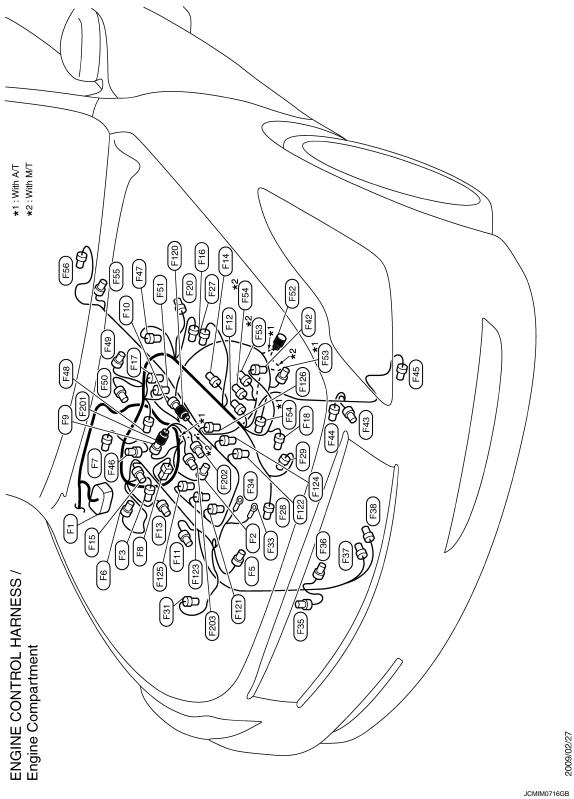
## **HARNESS LAYOUT**

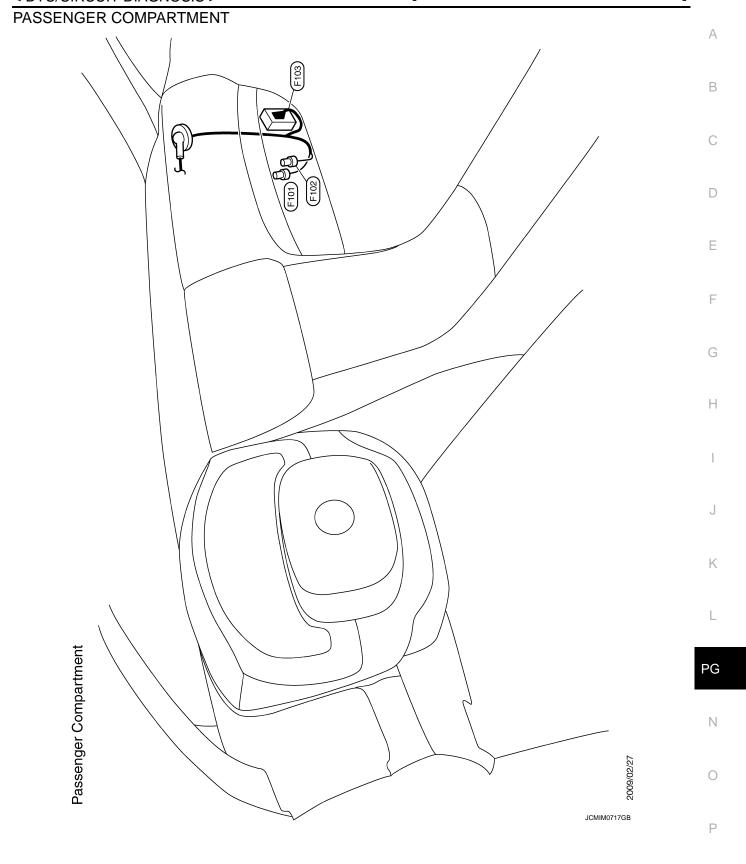


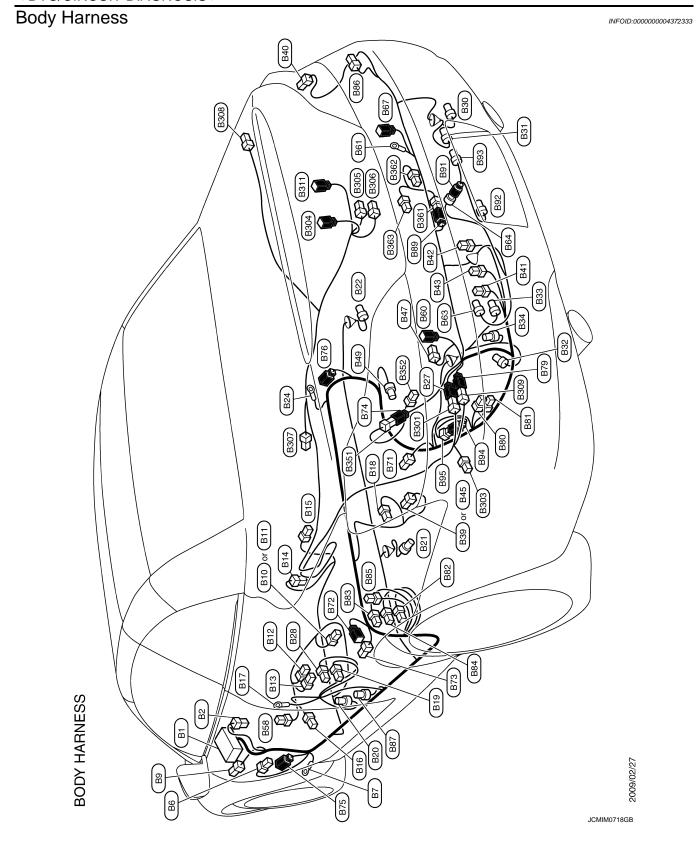
# **Engine Control Harness**

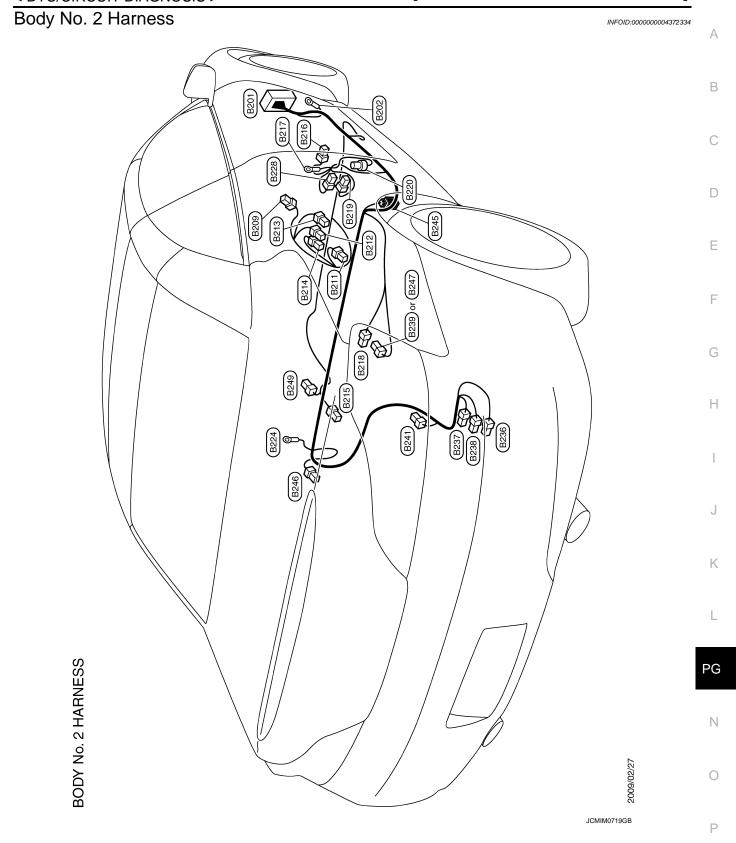
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## **ENGINE COMPARTMENT**









JCMIM0720GB

Room Lamp Harness INFOID:0000000004372335 ROOM LAMP HARNESS

Door Harness (Driver Side Door)

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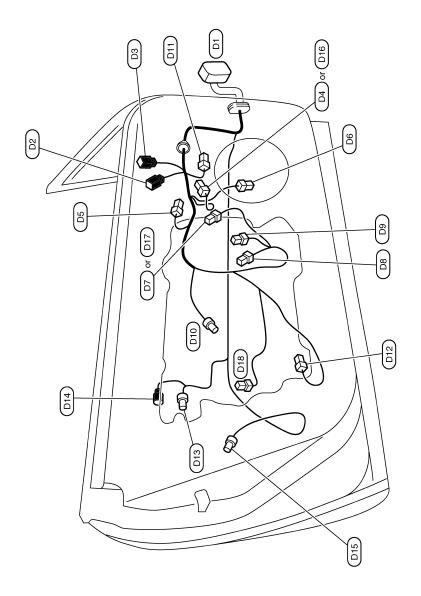
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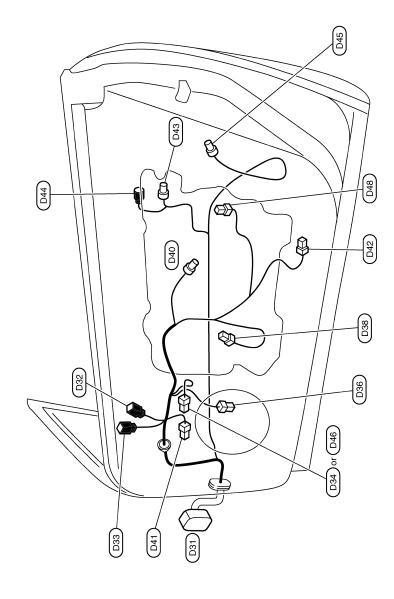
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DOOR HARNESS (DRIVER SIDE DOOR)

Door Harness (Passenger Side Door)

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DOOR HARNESS (PASSENGER SIDE DOOR)

-6/6U/6U06

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## HARNESS CONNECTOR

**Description** 

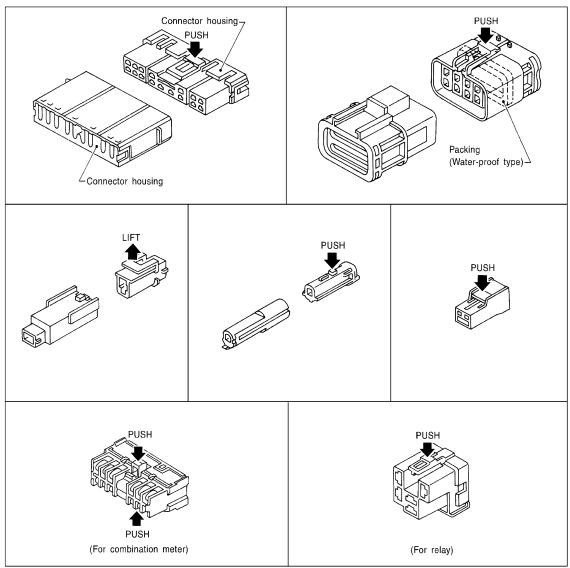
## HARNESS CONNECTOR (TAB-LOCKING TYPE)

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

## **CAUTION:**

Never pull the harness or wires when disconnecting the connector.

## [Example]



## HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

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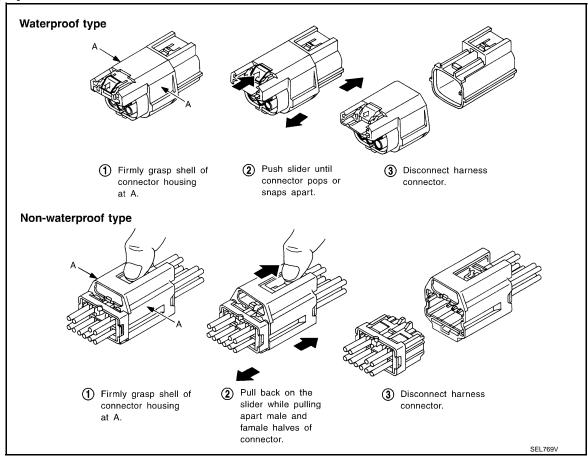
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### **CAUTION:**

- Never pull the harness or wires when disconnecting the connector.
- Be careful not to damage the connector support bracket when disconnecting the connector.

### [Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

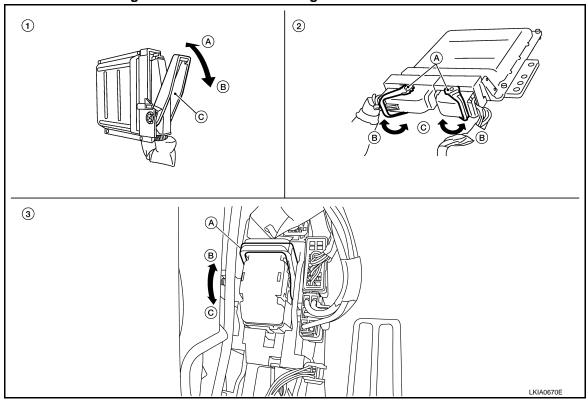
### **CAUTION:**

## HARNESS CONNECTOR

## < DTC/CIRCUIT DIAGNOSIS >

## [POWER SUPPLY & GROUND CIRCUIT]

Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



- 1. Control unit with single lever
  - A. Fasten
  - B. Loosen
  - C. Lever

- Control unit with dual levers
  - A. Levers
  - B. Fasten
  - C. Loosen

- SMJ connector
  - A. Lever
  - B. Fasten
  - C. Loosen

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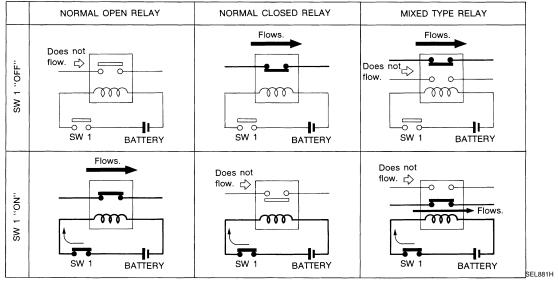
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# STANDARDIZED RELAY

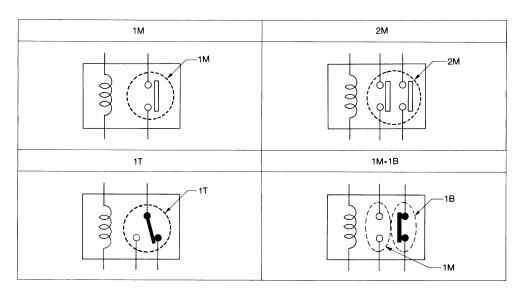
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## NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



### TYPE OF STANDARDIZED RELAYS



SEL882H

## **STANDARDIZED RELAY**

## < DTC/CIRCUIT DIAGNOSIS >

Туре	Outer view	Circuit	Connector symbol and connection	Case color
1T	5 2 4	9 3	5 2 4 1	BLACK
2М		1 6 3 2 7 5	2 1 7 5 6 3	BROWN
1M•1B		① ⑥ ③	2 1 6 7 3	GRAY
1M	3 3 3	① ⑤ · · · · · · · · · · · · · · · · · ·	5 2 1 3 5 2 1	BLUE

The arrangement of terminal numbers on the actual relays may differ from those shown above.

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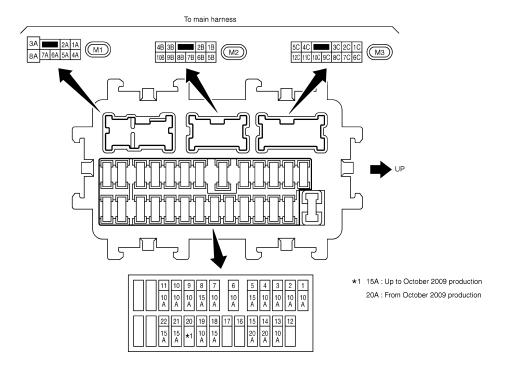
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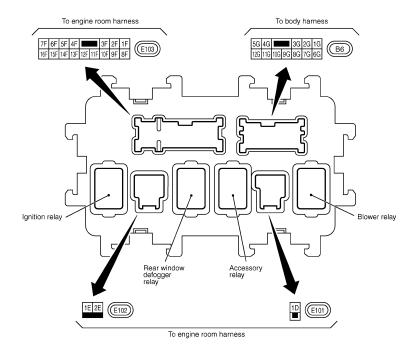
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# FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

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# FUSE, FUSIBLE LINK AND RELAY BOX

# Fuse and Fusible Link Arrangement

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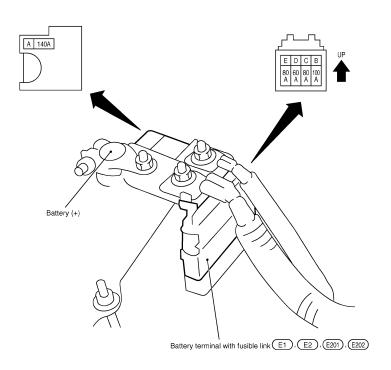
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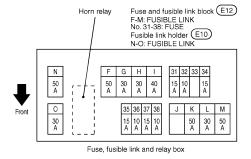
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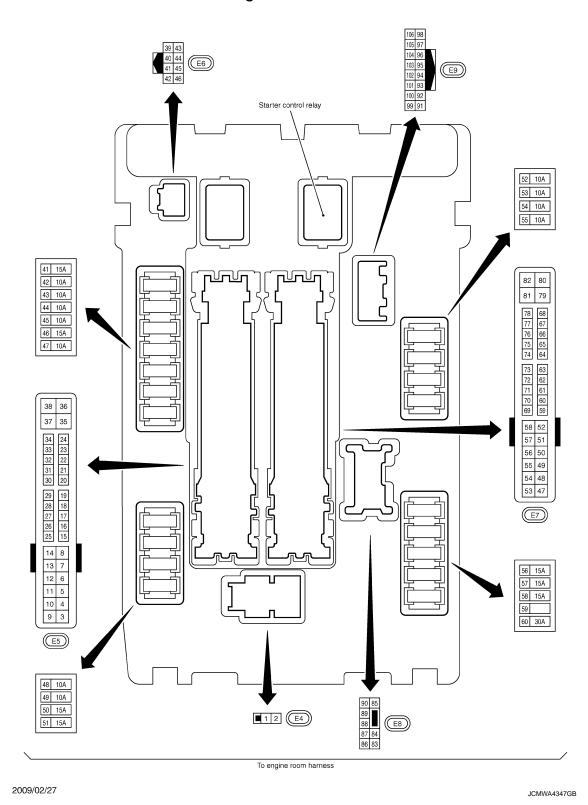
2009/02/27 JCMWA4346GB

# IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) < DTC/CIRCUIT DIAGNOSIS > [POWER SUPPLY & GROUND CIRCUIT]

# IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

Fuse, Connector and Terminal Arrangement

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## **PRECAUTIONS**

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

# **PRECAUTION**

## **PRECAUTIONS**

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIR BAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

### **WARNING:**

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

# Precaution for Battery Service

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

Service Procedure Precautions for Models with a Pop-up Roll Bar

### **WARNING:**

- Risk of passenger injury or death may increase if the pop-up roll bar does not deploy during a roll
  over collision. In order to reduce the chance of an incident where the pop-up roll bar is inoperative,
  all maintenance must be performed by a NISSAN or INFINITI dealer.
- Before removing and installing the pop-up roll bar component parts and harness, always turn the
  ignition switch OFF, disconnect the battery negative terminal, and wait for 3 minutes or more. (The
  purpose of this operation is to discharge electricity that is accumulated in the auxiliary power supply
  circuit in the air bag diagnosis sensor unit.)
- When repairing, removing, and installing a pop-up roll bar, always refer to SRS AIR BAG and SRS AIR BAG CONTROL warnings in the Service Manual.

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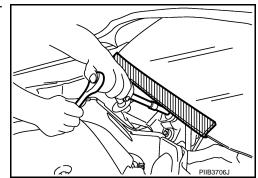
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# Precaution for Procedure without Cowl Top Cover

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When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc.



## **PREPARATION**

< PREPARATION >

# [POWER SUPPLY & GROUND CIRCUIT]

# **PREPARATION**

# **PREPARATION**

Special Service Tools

Tool number (Kent-Moore No.) Tool name		Description
— (J-48087) Battery Service Center	WKIA5280E	Tests battery. For operating instructions, refer to Technical Service Bulletin and Battery Service Center User Guide.

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# REMOVAL AND INSTALLATION

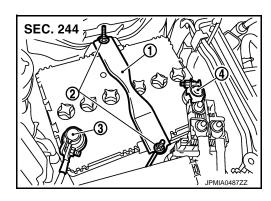
## **BATTERY**

Exploded View

1 : Battery fix frame

2 : Battery fix frame mounting nuts

3 : Battery terminal (-)4 : Battery terminal (+)



## Removal and Installation

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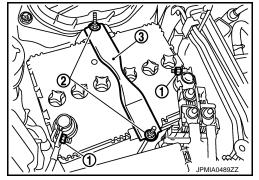
### **REMOVAL**

- 1. Remove battery cover.
- 2. Remove cowl top cover (RH). Refer to EXT-21, "Removal and Installation".
- 3. Remove cover of battery positive terminal.
- 4. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

#### **CAUTION:**

When disconnecting, disconnect the battery cable from the negative terminal first.

- 5. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
- 6. Remove battery.



### **INSTALLATION**

Install in the reverse order of removal.

#### **CAUTION:**

When connecting, connect the battery cable to the positive terminal first.

**Battery fix frame mounting nut** 

©: 3.9 N·m (0.40 kg-m, 35 in-lb)

**Battery terminal nut** 

**2**: 5.4 N·m (0.55 kg-m, 48 in-lb)

Reset electronic systems as necessary. Refer to <u>GI-50</u>, "<u>ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL</u>: Required Procedure After Battery Disconnection".

## **BATTERY TERMINAL WITH FUSIBLE LINK**

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

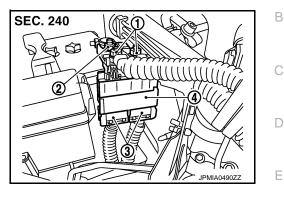
Exploded View

1 : Harness mounting nut

2 : Fusible link holder mounting nut

3 : Harness connector

4 : Battery terminal with fusible link



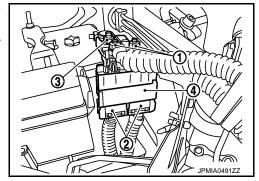
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### Removal and Installation

emovai and installation

### REMOVAL

- 1. Remove battery cover.
- 2. Disconnect the battery cable from the negative terminal.
- 3. Remove cover of battery positive terminal.
- 4. Remove harness mounting nuts (1) to disconnect harness connector (2).
- 5. 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

Substitute: 13.5 N·m (1.4 kg-m, 10 ft-lb)

Fusible link holder mounting nut

2: 13.5 N·m (1.4 kg-m, 10 ft-lb)

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# **SERVICE DATA AND SPECIFICATIONS (SDS)**

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

# SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery INFOID:0000000004372351

Туре		80D23L
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	582