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# SECTION DMS

## DRIVE MODE SYSTEM

### CONTENTS

<b>SAVE MODE</b>	<b>DTC/CIRCUIT DIAGNOSIS</b> .....	6
<b>SYSTEM DESCRIPTION</b> .....	<b>SET-UP SWITCH (TRANSMISSION)</b> .....	6
<b>DESCRIPTION</b> .....	Description (GT-R certified NISSAN dealer) .....	6
SAVE Mode .....	Diagnosis Procedure (GT-R certified NISSAN dealer) .....	6
<b>COMPONENT PARTS</b> .....	<b>WIRING DIAGRAM</b> .....	8
Component Parts Location (GT-R certified NISSAN dealer) .....	<b>SAVE MODE</b> .....	8
Component Description (GT-R certified NISSAN dealer) .....	Wiring Diagram (GT-R certified NISSAN dealer) .....	8
Set-up Switch (GT-R certified NISSAN dealer) .....	<b>PRECAUTION</b> .....	13
<b>SYSTEM</b> .....	<b>PRECAUTIONS</b> .....	13
System Description (GT-R certified NISSAN dealer) .....	Precautions for Removing Battery Terminal .....	13
<b>BASIC INSPECTION</b> .....	<b>SYMPTOM DIAGNOSIS</b> .....	14
<b>DIAGNOSIS AND REPAIR WORK FLOW</b> .....	<b>SAVE MODE</b> .....	14
Work Flow (GT-R certified NISSAN dealer) .....	Does not enter to SAVE mode, SAVE mode lamp does not illuminate (GT-R certified NISSAN dealer) .....	14

DMS

**SYSTEM DESCRIPTION****DESCRIPTION****SAVE Mode**

INFOID:000000011485819

According to the signal transmitted by SAVE mode switch, TCM and ECM performs control to get following vehicle behavior.

Shift lever	Vehicle behavior
A range	<ul style="list-style-type: none"> <li>• In order to be more economic and improve fuel economy, selects automatically an appropriate gear position.</li> <li>• Gives mild engine response to accelerating operation.</li> <li>• Controls to output an adequate driving force for snow-covered or slippery road.</li> </ul>
M range	<ul style="list-style-type: none"> <li>• Gives mild engine response to accelerating operation.</li> <li>• Controls to output an adequate driving force for snow-covered or slippery road.</li> </ul>

# COMPONENT PARTS

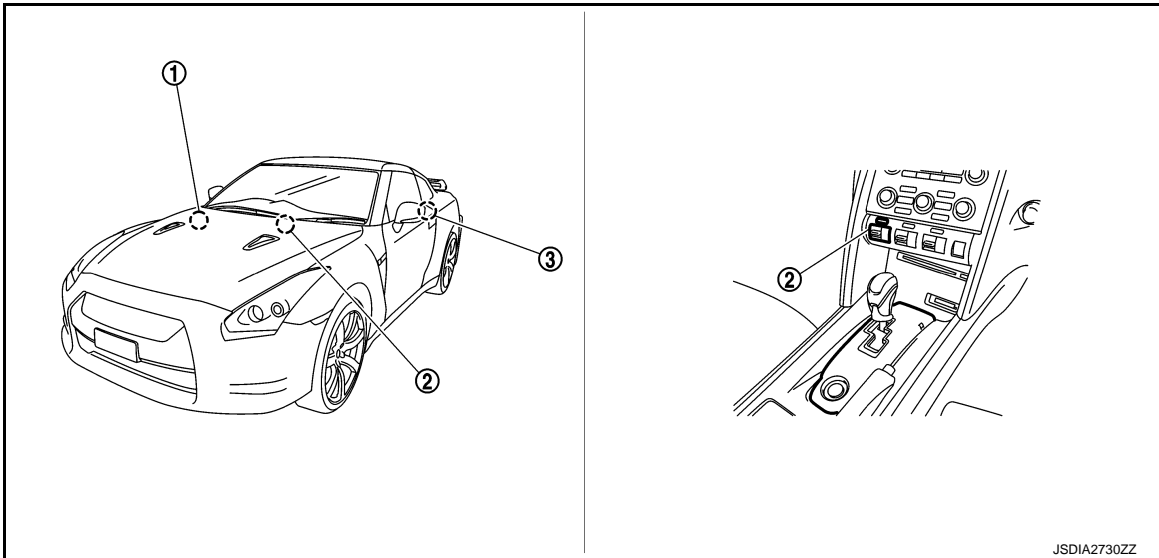
< SYSTEM DESCRIPTION >

[SAVE MODE]

## COMPONENT PARTS

### Component Parts Location (GT-R certified NISSAN dealer)

INFOID:000000011485820



1. ECM  
Refer to [EC-42, "Component Parts Location \(GT-R certified NISSAN dealer\)"](#).
2. Set-up switch (Transmission) (SAVE mode switch and SAVE mode lamp)
3. TCM  
Refer to [TM-40, "Component Parts Location \(GT-R certified NISSAN dealer\)"](#).

### Component Description (GT-R certified NISSAN dealer)

INFOID:000000011485821

Name	Function
TCM	Based on ON/OFF signal from SAVE mode switch, TCM transmits/receives following signals to/from ECM and auto amp to operate SAVE mode control. <ul style="list-style-type: none"> <li>• Transmit signal <ul style="list-style-type: none"> <li>- SAVE mode control signal *</li> <li>- SAVE mode lamp ON/OFF signal</li> </ul> </li> <li>• Receive signal <ul style="list-style-type: none"> <li>- SAVE mode control signal *</li> <li>- SAVE mode ON/OFF signal</li> </ul> </li> </ul>
ECM	ECM transmits/receives following signal to/from TCM to operate SAVE mode control. <ul style="list-style-type: none"> <li>• SAVE mode control signal *</li> </ul>
Set-up switch	<a href="#">DMS-3, "Set-up Switch (GT-R certified NISSAN dealer)"</a>

\*: CAN communication

### Set-up Switch (GT-R certified NISSAN dealer)

INFOID:000000011485822

It inputs the switch signal of SAVE mode to TCM.

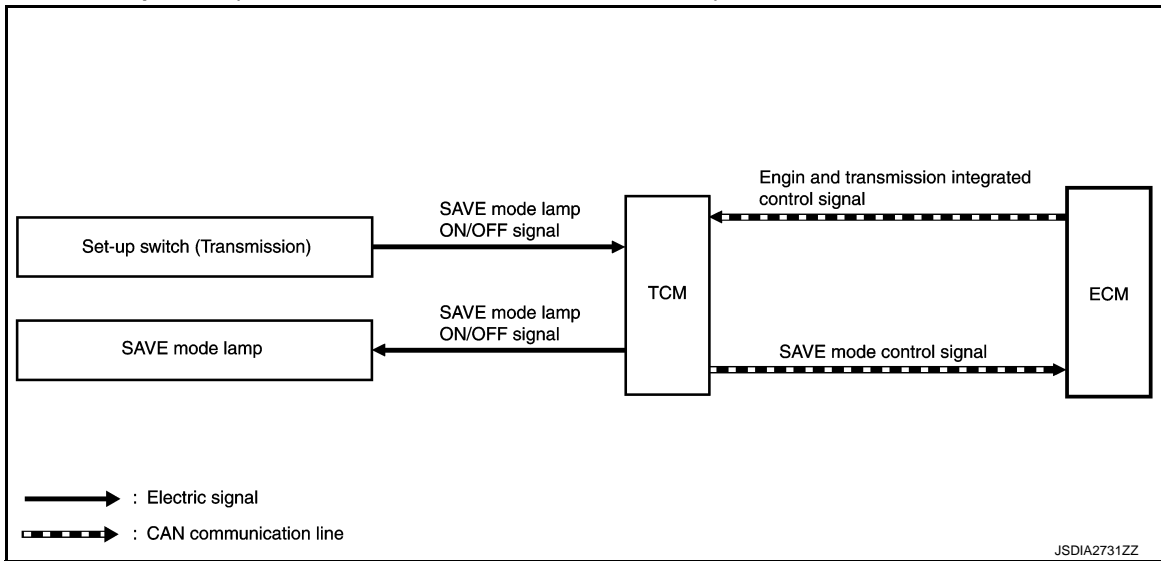
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## SYSTEM

### System Description (GT-R certified NISSAN dealer)

INFOID:000000011485823



1. TCM performs ON/OFF judgment of SAVE mode based on SAVE mode ON/OFF signal from set-up switch (transmission).
2. When TCM receives engine and transmission integrated control signal (engine request status normal signal) from ECM under SAVE mode practicable condition, it transmits SAVE mode control signal to ECM.
3. SAVE mode ON/OFF operation is performed by TCM and ECM that receive signal from TCM. Refer to each C/U for detailed controls.
  - TCM: Refer to [TM-41, "SAVE MODE : System Description \(GT-R certified NISSAN dealer\)"](#).
  - ECM: Refer to [EC-159, "System Description \(GT-R certified NISSAN dealer\)"](#).
4. TCM transmits SAVE mode lamp ON/OFF signal to set-up switch (transmission) to operate illumination/turn off of SAVE mode lamp.

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[SAVE MODE]

## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow (GT-R certified NISSAN dealer)

INFOID:000000011485824

#### DETAILS OF TROUBLE DIAGNOSIS FLOWCHART

##### 1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain as much information as possible about the conditions and environment under which the malfunction occurs.

>> GO TO 2.

##### 2.CHECK SYMPTOM

- Check the symptom based on the information obtained from the customer.
- Check if any other malfunctions are present.

>> GO TO 3.

##### 3.CONCONSULT- SELF-DIAGNOSIS

Perform "TRANSMISSION", "ENGINE", and "HVAC" "self diagnosis" by connecting CONSULT.

**NOTE:**

If "CAN COM CIRC [U1000]" is displayed, start the diagnosis from the CAN communication system.

Is any DTC No. displayed?

YES >> GO TO 4.

NO >> GO TO 5.

##### 4.DTC/SYSTEM DIAGNOSIS

Perform a DTC/system diagnosis and repair or replace any malfunctioning part.

>> GO TO 6.

##### 5.PERFORM DIAGNOSIS BY SYMPTOM

Perform a diagnosis by symptom and repair or replace any malfunctioning part.

>> GO TO 6.

##### 6.FINAL CHECK

Check that the SAVE mode functions normally.

Does it operate normally?

YES >> End of trouble diagnosis

NO >> GO TO 2.

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# SET-UP SWITCH (TRANSMISSION)

< DTC/CIRCUIT DIAGNOSIS >

[SAVE MODE]

## DTC/CIRCUIT DIAGNOSIS

### SET-UP SWITCH (TRANSMISSION)

Description (GT-R certified NISSAN dealer)

INFOID:000000011485825

If R or SAVE on the set-up switch (transmission) is selected, TCM energizes the circuit for each mode and illuminates the lamp.

Diagnosis Procedure (GT-R certified NISSAN dealer)

INFOID:000000011485826

#### 1. CHECK GROUND CONNECTION

1. Turn ignition switch OFF.
2. Check ground connection B31. Refer to "Ground Inspection" in [GI-42. "Circuit Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace damaged parts.

#### 2. CHECK POWER SUPPLY CIRCUIT

1. Disconnect set-up switch harness connector.
2. Turn ignition switch ON.
3. Check voltage between set-up switch vehicle side harness connector and ground.

Set-up switch vehicle side harness connector		Ground	Condition	Voltage (Approx.)
Connector	Terminal			
M73	18	Ground	Ignition switch ON	Battery voltage (11 – 14 V)
			Ignition switch OFF	0 V

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> GO TO 5.

#### 3. CHECK HARNESS BETWEEN TCM AND SET-UP SWITCH (PART 1)

1. Turn ignition switch OFF.
2. Disconnect TCM harness connector.
3. Check continuity between TCM vehicle side harness connector terminals and set-up switch vehicle side harness connector terminals.

TCM vehicle side harness connector		Set-up switch vehicle side harness connector		Continuity
Connector	Terminal	Connector	Terminal	
B45	45	M73	16	Existed
	47		10	

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Repair or replace the malfunctioning parts.

#### 4. CHECK HARNESS BETWEEN TCM AND SET-UP SWITCH (PART 2)

Check continuity between TCM vehicle side harness connector terminal and ground.

TCM vehicle side harness connector		Ground	Continuity
Connector	Terminal		
B45	45	Ground	Not existed
	47		

Is the inspection result normal?

# SET-UP SWITCH (TRANSMISSION)

< DTC/CIRCUIT DIAGNOSIS >

[SAVE MODE]

- YES >> GO TO 8.  
NO >> Repair or replace damaged parts.

## 5. CHECK HARNESS BETWEEN SET-UP SWITCH AND IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (PART 1)

1. Turn ignition switch OFF.
2. Disconnect IPDM E/R harness connector.
3. Check continuity between set-up switch vehicle side harness connector terminal and IPDM E/R (intelligent power distribution module engine room) vehicle side harness connector terminal.

Set-up switch vehicle side harness connector		IPDM E/R (intelligent power distribution module engine room) vehicle side harness connector		Continuity
Connector	Terminal	Connector	Terminal	
M73	18	E5	25	Existed

Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Repair or replace the malfunctioning parts.

## 6. CHECK HARNESS BETWEEN SET-UP SWITCH AND IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (PART 2)

Check continuity between set-up switch vehicle side harness connector terminal and ground.

Set-up switch vehicle side harness connector		Ground	Continuity
Connector	Terminal		
M73	18	Ground	Not existed

Is the inspection result normal?

- YES >> GO TO 7.  
NO >> Repair or replace damaged parts.

## 7. DETECT MALFUNCTIONING ITEM

Check the following. Refer to [PG-37. "Wiring Diagram - IGNITION POWER SUPPLY -"](#).

- 10A fuse [No.45, located in the IPDM E/R (intelligent power distribution module engine room)]
- IPDM E/R (intelligent power distribution module engine room)
- Harness for open or short between push-button ignition switch and IPDM E/R (intelligent power distribution module engine room)
- Push-button ignition switch

Is the inspection result normal?

- YES >> GO TO 8.  
NO >> Repair or replace damaged parts.

## 8. CHECK INTERMITTENT INCIDENT

Refer to [GI-39. "Intermittent Incident"](#).

>> INSPECTION END

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# SAVE MODE

< WIRING DIAGRAM >

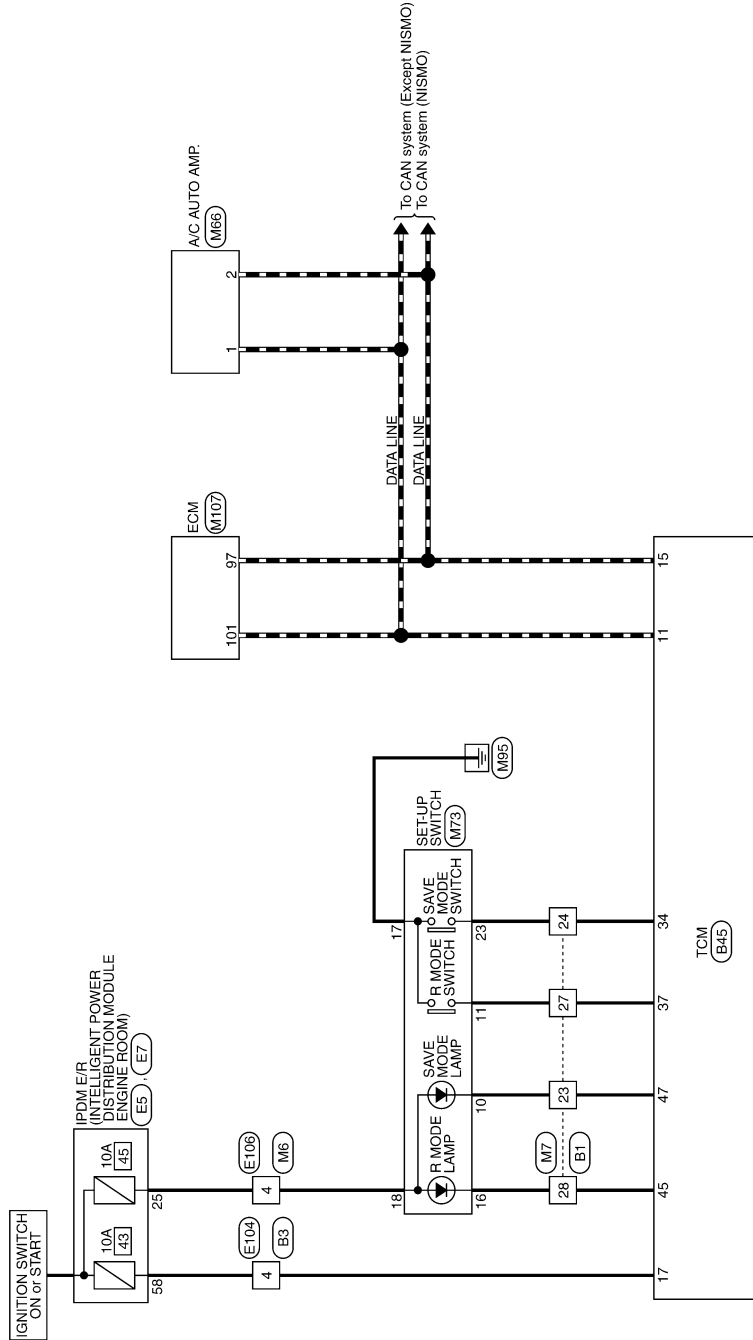
[SAVE MODE]

## WIRING DIAGRAM

### SAVE MODE

Wiring Diagram (GT-R certified NISSAN dealer)

INFOID:000000011485827



SAVE MODE

2014/05/27

JROWC3513GB



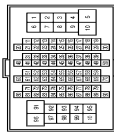
# SAVE MODE

< WIRING DIAGRAM >

[SAVE MODE]

## SAVE MODE

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

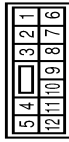


Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	-
3	P	-
6	V	-
7	W	-
8	Y	-
9	Y	-
10	R	-
11	Y	-
12	GR	-
13	BG	-
14	Y	-
15	BR	-
16	R	-
17	W	-
18	BR	-
20	GR	-
21	SB	-
22	W	-
23	G	-
24	BG	-
25	L	-
26	P	-
27	GR	-
28	BG	-
31	GR	-
32	L	-
33	V	-
34	BG	-
39	G	-
40	LG	-
41	V	-
42	SB	-
43	P	-
47	R	-
48	B	-

49	W	-
50	SHIELD	-
51	SB	-
52	B	-
53	R	-
54	B	-
56	R	-
57	G	-
58	G	-
59	R	-
60	BR	-
61	Y	-
62	SHIELD	-
63	LG	-
64	R	-
65	G	-
66	GR	-
67	BG	-
69	P	-
70	L	-
71	SHIELD	-
72	SHIELD	- [Without active noise control unit]
72	V	- [With active noise control unit]
73	SB	-
76	R	-
77	SB	-
78	G	-
79	Y	-
80	R	-
81	G	-
82	BR	- [Without active noise control unit]
82	G	- [With active noise control unit]
83	R	- [Without active noise control unit]
83	Y	- [With active noise control unit]
84	SHIELD	-
85	V	-
86	SB	- [Without active noise control unit]
86	W	- [With active noise control unit]
87	L	-
88	P	-
89	SHIELD	-
90	V	-
92	BR	-
93	SB	-
94	GR	-
95	BG	-
96	Y	-
97	Y	-
98	LG	-

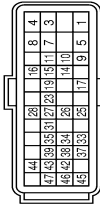
99	R	-
100	G	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	BG	-
3	BR	-
4	Y	-
5	R	-
6	P	-
7	W	-
8	SB	-
9	LG	-
10	V	-
11	GR	-
12	G	-

Connector No.	B45
Connector Name	TCM
Connector Type	RH40FB-R28L-LH-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	POWER SUPPLY (MEMORY BACK-UP)2
3	B	GROUND
4	B	GROUND

5	W	POWER SUPPLY (MEMORY BACK-UP)3
7	B	GROUND
8	B	GROUND
9	P	POWER SUPPLY (MEMORY BACK-UP)1
10	LG	BACK-UP LAMP SIGNAL
11	L	CANH
14	V	POWER OFF
15	P	CANL
16	W	STOP LAMP SWITCH SIGNAL
17	Y	IGNITION SWITCH SIGNAL
19	GR	STARTER RELAY SIGNAL
23	BR	AUTOMANUAL RANGE CHANGE SWITCH 1 SIGNAL
25	L	RANGE SENSOR POWER SOURCE 1
26	LG	RANGE SENSOR POWER SOURCE 2
27	G	RANGE SENSOR NO. SIGNAL
28	V	AUTOMANUAL RANGE CHANGE SWITCH 2 SIGNAL
31	SB	ENGINE SPEED SIGNAL
33	V	RANGE SENSOR NO.1 SIGNAL
34	BG	SAVE MODE SWITCH SIGNAL
35	G	RANGE SENSOR NO.3 SIGNAL
37	GR	R MODE SWITCH SIGNAL
38	R	RANGE SENSOR NO.2 SIGNAL
39	W	PADDLE SHIFTER (SHIFT-UP) SWITCH SIGNAL
42	L	PADDLE SHIFTER (SHIFT-DOWN) SWITCH SIGNAL
43	P	RANGE SENSOR NO.4 SIGNAL
44	GR	RANGE SENSOR NO.5 SIGNAL
45	BG	R MODE LAMP SIGNAL
46	W	SHIFT LOCK SOLENOID CONTROL SIGNAL
47	G	SAVE MODE LAMP SIGNAL

Connector No.	E5
Connector Name	POWER-INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
5	L	-
6	Y	-
7	R	-

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JROWC4563GB

# SAVE MODE

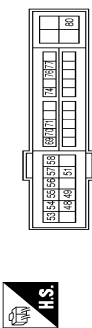
< WIRING DIAGRAM >

[SAVE MODE]

## SAVE MODE

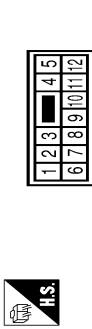
10	W	-
11	SB	-
12	BW	-
13	R	-
16	LG	-
25	BG	-
27	Y	-
28	G	-
30	GR	-
32	L	-
33	P	-
36	LG	-

Connector No. E7  
 Connector Name POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)  
 Connector Type TH80FW-CS12-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
48	L	-
49	P	-
51	LG	-
53	SB	-
54	W	-
55	BG	-
56	R	-
57	G	-
58	Y	-
69	BG	-
70	G	-
71	SB	-
74	LG	-
76	P	-
77	BW	-
80	W	-

Connector No. E104  
 Connector Name WIRE TO WIRE  
 Connector Type NS12MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	Y	-
3	BR	-
4	Y	-
5	R	-
6	P	-
7	W	-
8	G	-
9	LG	-
10	V	-
11	L	-
12	R	-

Connector No. E106  
 Connector Name WIRE TO WIRE  
 Connector Type TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
3	BG	-
4	BG	-
5	R	-
6	P	-
7	BG	-
8	P	-
9	W	-

10	Y	-
11	SB	-
12	BG	-
13	P	-
14	L	-
15	SB	-
16	BG	-
17	SHIELD	-
18	L	-
19	P	-
20	B	-
21	Y	-
22	V	-
23	Y	-
24	V	-
25	BR	-
26	L	-
27	SHIELD	-
28	G	-
29	R	-
30	W	-
31	V	-
32	G	-
33	GR	-
34	P	-
35	LG	-
36	G	-
37	Y	-
38	SB	-
39	GR	-
40	G	-
41	V	-
42	V	-
43	L	-
44	BR	-
45	G	-
46	SB	-
48	BG	-
49	L	-
50	R	-
51	SHIELD	-
60	P	-
61	L	-
71	LG	-
72	SB	-
74	P	-
75	BR	-
76	LG	-
77	V	-
78	BR	-

79	W	-
80	Y	-
81	GR	-
82	BG	-
84	P	-
85	P	-
86	GR	-
87	R	-
88	L	-
89	BG	-
90	G	-
91	GR	-
92	R	-
93	R	-
94	LG	-
95	G	-
96	GR	-
97	L	-
98	LG	-
99	BG	-
100	L	-

Connector No. M6  
 Connector Name WIRE TO WIRE  
 Connector Type TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	R	-
4	G	-
5	Y	-
6	P	-
7	W	-
8	V	-
9	L	-
10	Y	-
11	G	-
12	BG	-
13	R	-
14	L	-

# SAVE MODE

< WIRING DIAGRAM >

[SAVE MODE]

SAVE MODE

15	BR	-	-	-	-
16	R	-	-	-	-
17	SHIELD	-	-	-	-
18	L	-	-	-	-
19	P	-	-	-	-
20	B	-	-	-	-
21	W	-	-	-	-
22	GR	-	-	-	-
23	L	-	-	-	-
24	V	-	-	-	-
25	BR	-	-	-	-
26	G	-	-	-	-
27	SHIELD	-	-	-	-
28	G	-	-	-	-
29	R	-	-	-	-
30	W	-	-	-	-
31	V	-	-	-	-
32	G	-	-	-	-
33	GR	-	-	-	-
34	LG	-	-	-	-
35	P	-	-	-	-
36	L	-	-	-	-
37	W	-	-	-	-
38	Y	-	-	-	-
39	GR	-	-	-	-
40	BG	-	-	-	-
41	W	-	-	-	-
42	R	-	-	-	-
43	Y	-	-	-	-
44	BR	-	-	-	-
45	G	-	-	-	-
46	LG	-	-	-	-
48	W	-	-	-	-
49	L	-	-	-	-
50	R	-	-	-	-
51	SHIELD	-	-	-	-
60	SB	-	-	-	-
61	V	-	-	-	-
71	W	-	-	-	-
72	LG	-	-	-	-
74	R	-	-	-	-
75	BR	-	-	-	-
76	LG	-	-	-	-
77	R	-	-	-	-
78	BR	-	-	-	-
79	W	-	-	-	-
80	Y	-	-	-	-
81	BG	-	-	-	-
82	SB	-	-	-	-
84	Y	-	-	-	-

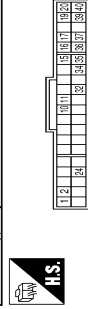
Connector No. M7  
 Connector Name WIRE TO WIRE  
 Connector Type TH60MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	-
3	P	-
6	L	-
7	W	-
8	W	-
9	G	-
10	R	-
11	W	-
12	SB	-
13	G	-
14	W	-
15	BR	-
16	R	-
17	BG	-
18	SB	-
20	GR	-
21	L	-
22	R	-

23	G	-	-	-	-
24	BR	-	-	-	-
25	L	-	-	-	-
26	LG	-	-	-	-
27	W	-	-	-	-
28	R	-	-	-	-
31	GR	-	-	-	-
32	L	-	-	-	-
33	V	-	-	-	-
34	BG	-	-	-	-
39	W	-	-	-	-
40	BG	-	-	-	-
41	R	-	-	-	-
42	V	-	-	-	-
43	W	-	-	-	-
47	G	-	-	-	-
48	R	-	-	-	-
49	W	-	-	-	-
50	SHIELD	-	-	-	-
51	SB	-	-	-	-
52	B	-	-	-	-
53	R	-	-	-	-
54	B	-	-	-	-
56	R	-	-	-	-
57	G	-	-	-	-
58	G	-	-	-	-
59	R	-	-	-	-
60	BR	-	-	-	-
61	Y	-	-	-	-
62	SHIELD	-	-	-	-
63	GR	-	-	-	-
64	R	-	-	-	-
65	G	-	-	-	-
66	BR	-	-	-	-
67	BG	-	-	-	-
69	P	-	-	-	-
70	L	-	-	-	-
71	SHIELD	-	-	-	-
72	SHIELD	- [Without active noise control unit] - [With active noise control unit]	-	-	-
73	V	-	-	-	-
76	R	-	-	-	-
77	SB	-	-	-	-
78	V	-	-	-	-
80	R	-	-	-	-
81	G	-	-	-	-
82	BR	- [Without active noise control unit] - [With active noise control unit]	-	-	-
83	R	-	-	-	-

Connector No. M66  
 Connector Name A/C AUTO AMP.  
 Connector Type SAB40FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CANH
2	P	CANL
10	L	A/C LAMP SIGNAL
11	R	EACH DOOR MOTOR POWER SUPPLY
15	BG	SUNLOAD SENSOR SIGNAL
16	R	INTAKE SENSOR SIGNAL
17	SB	ACC POWER SUPPLY
19	B	GROUND
20	G	IGNITION POWER SUPPLY
24	BG	ECV SIGNAL
32	L	BLOWER MOTOR CONTROL SIGNAL
34	Y	A/C AUTO AMP CONNECTION CONTROL SIGNAL
35	P	AMBIENT SENSOR SIGNAL
36	LG	IN-VEHICLE SENSOR SIGNAL
37	BG	SENSOR GROUND
39	B	GROUND

83	Y	- [Without active noise control unit]
84	SHIELD	-
85	V	-
86	LG	- [Without active noise control unit] - [With active noise control unit]
87	W	-
88	L	-
89	P	-
89	SHIELD	-
90	V	-
92	LG	-
93	Y	-
94	G	-
95	R	-
96	Y	-
97	R	-
98	G	-
99	L	-
100	W	-

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JROWC4565GB

# SAVE MODE

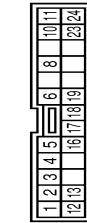
< WIRING DIAGRAM >

[SAVE MODE]

## SAVE MODE

40	Y	BATTERY POWER SUPPLY
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Connector No.	M73
Connector Name	SET-UP SWITCH
Connector Type	TK24FW-1V



Connector No.	M107
Connector Name	ECM
Connector Type	RH24FGY-RZ8-R-LH-Z



Terminal No.	Color	Wire	Signal Name [Specification]
1	Y	Y	VDC TOP POSITION LED
2	R	W	VDC TOP POSITION LED
3	W	Y	VDC TOP POSITION LED
4	Y	L	VDC UP SW
5	L	P	E-SUS R MODE SW SIG
6	P	LG	E-SUS COMF MODE LAMP SIG
8	LG	G	SAVE MODE LAMP SIGNAL
10	G	W	R MODE SWITCH SIGNAL
11	W	GR	VDC DN SW
12	GR	G	HAZARD SW
13	G	R	R MODE LAMP SIGNAL
16	R	B	SW GND
17	B	G	IGN
18	G	EG	E-SUS R MODE LAMP SIG
19	EG	BR	SAVE MODE SWITCH SIGNAL
23	BR	R	E-SUS.COMF MODE SW SIG
24	R		

Terminal No.	Color	Wire	Signal Name [Specification]
97	P		CAN COMMUNICATION LINE
99	SB		SENSOR POWER SUPPLY
100	BR		SENSOR POWER SUPPLY
101	L		CAN COMMUNICATION LINE
102	G		ASCD STEERING SWITCH
103	GR		SENSOR GROUND
104	P		ACCELERATOR PEDAL POSITION SENSOR 1
105	W		ECM RELAY (SELF-SHUT-OFF)
106	LG		IGNITION SWITCH
107	BG		SENSOR GROUND
108	L		ACCELERATOR PEDAL POSITION SENSOR 2
109	L		SAVALVERLY
110	P		STOP LAMP SWITCH
111	GR		PNP SIGNAL
113	SB		ENGINE SPEED OUTPUT SIGNAL
114	V		DATA LINK CONNECTOR
117	R		ASCD BRAKE SWITCH
118	W		POWER SUPPLY FOR ECM (BACK-UP)
120	BR		SAPMPRLY
121	P		POWER SUPPLY FOR ECM
122	V		POWER SUPPLY FOR ECM
124	B		ECM GROUND
126	L		FUEL PUMP RELAY
127	G		THROTTLE CONTROL MOTOR RELAY
128	B		ECM GROUND

JROWC4566GB

# PRECAUTION

## PRECAUTIONS

### Precautions for Removing Battery Terminal

INFOID:000000011485828

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

**NOTE:**

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

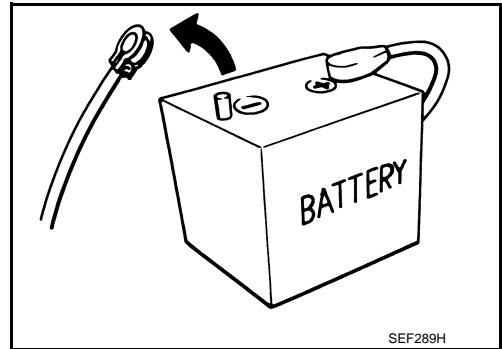
**NOTE:**

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

**NOTE:**

The removal of 12V battery may cause a DTC detection error.



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DMS

# SYMPTOM DIAGNOSIS

## SAVE MODE

Does not enter to SAVE mode, SAVE mode lamp does not illuminate (GT-R certified NISSAN dealer)

INFOID:000000011485829

### SYMPTOM

- Does not enter to SAVE mode.
- Does not illuminate to SAVE mode lamp

### DIAGNOSIS PROCEDURE

#### 1.CHECK DTC WITH TRANSMISSION

Check "Self Diagnostic Result" of "TRANSMISSION".

Is DTC detected?

- YES >> Repair or replace damaged parts. Refer to [TM-47, "CONSULT Function \(GT-R certified NISSAN dealer\)"](#).
- NO >> GO TO 2.

#### 2.CHECK DTC WITH ECM

Check "Self Diagnostic Result" of "ENGINE".

Is DTC detected?

- YES >> Repair or replace damaged parts. Refer to [EC-172, "CONSULT Function \(GT-R certified NISSAN dealer\)"](#).
- NO >> GO TO 3.

#### 3.CHECK SET-UP SWITCH (TRANSMISSION)

Check the set-up switch (transmission). Refer to [DMS-6, "Diagnosis Procedure \(GT-R certified NISSAN dealer\)"](#).

Is the inspection result normal?

- YES >> INSPECTION END
- NO >> Repair or replace damaged parts.