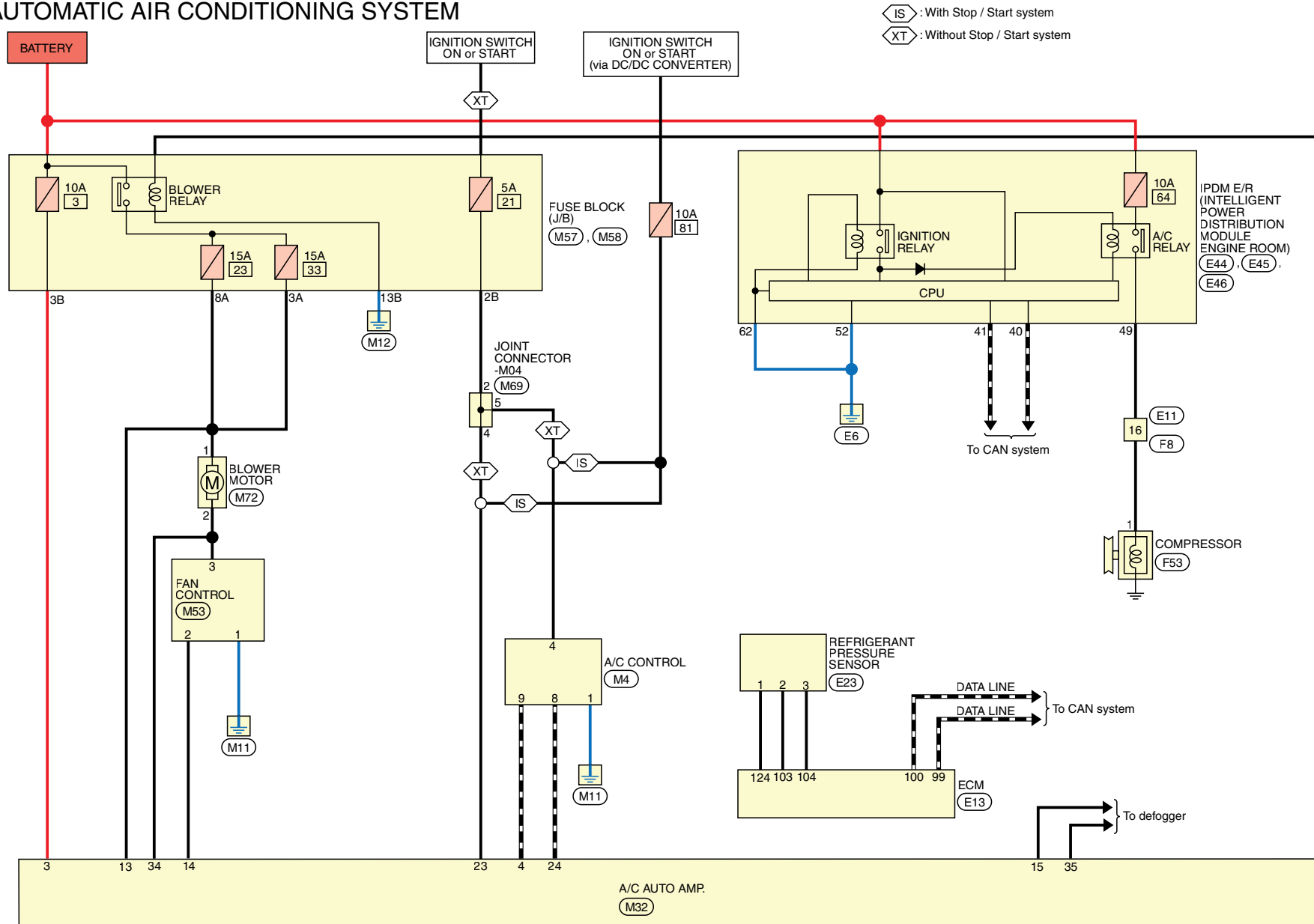
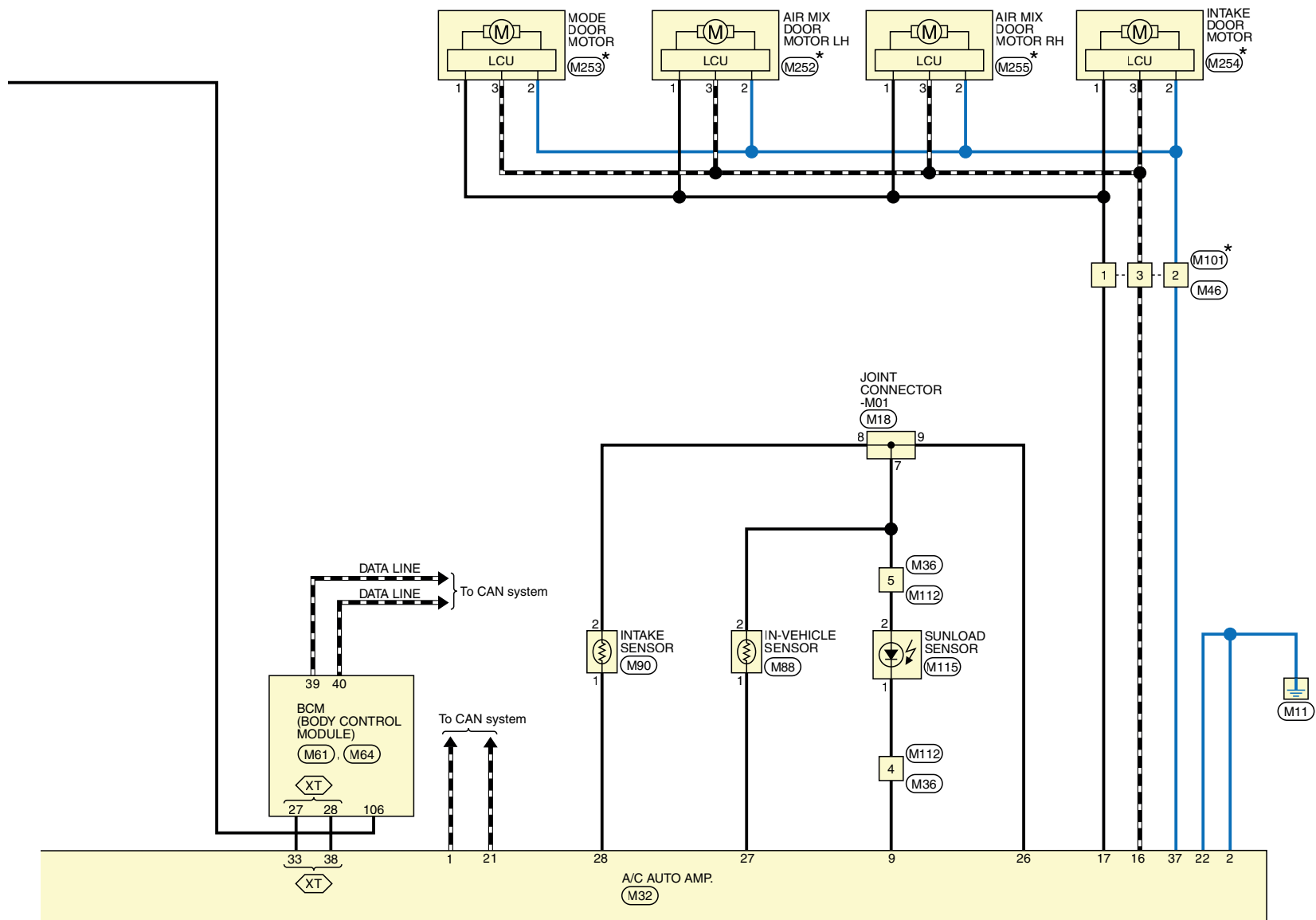


AUTOMATIC AIR CONDITIONING SYSTEM





AUTOMATIC AIR CONDITIONING SYSTEM

Connector No.	E11
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	White



1	2	3		4	5	6	7	
8	9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	TO ENGINE CONTROL HARNESS
2	W	TO ENGINE CONTROL HARNESS
3	G	TO ENGINE CONTROL HARNESS
4	Y	TO ENGINE CONTROL HARNESS
5	G/Y	TO ENGINE CONTROL HARNESS
6	SHIELD	TO ENGINE CONTROL HARNESS
7	O	TO ENGINE CONTROL HARNESS
10	LG/R	TO ENGINE CONTROL HARNESS
11	B	TO ENGINE CONTROL HARNESS
12	R	TO ENGINE CONTROL HARNESS
13	LG	TO ENGINE CONTROL HARNESS
14	G/R	TO ENGINE CONTROL HARNESS
16	W	TO ENGINE CONTROL HARNESS

Connector No.	E13
Connector Name	ECM
Connector Type	RH24FGY-RZ8-L-RH
Connector Color	Gray



	101	105	109	113	117	121	
			110	114	118	122	126
99	103		111	115	119	123	127
100	104	108		116	120	124	128

Terminal No.	Color Of Wire	Signal Name [Specification]
99	P	CAN-L
100	L	CAN-H
101	Y	CRANKING ENABLE SIGNAL
103	W/LG	REFRIGERANT PRESSURE SENSOR

104	B	SENSOR POWER SUPPLY
105	O	ENGINE RESTART RELAY CONTROL SIGNAL
108	R	CLUTCH PEDAL POSITION SWITCH
109	LG	IGNITION SWITCH
110	SB	ASCD STEERING SWITCH
111	B	ASCD STEERING SWITCH GROUND
113	BR	SENSOR POWER SUPPLY
114	W	BAROMETRIC PRESSURE SENSOR
115	Y	STOP LAMP SWITCH
116	LG	BRAKE PEDAL POSITION SWITCH
117	LG/Y	PNP SIGNAL [With M/T models]
117	P	PNP SIGNAL [With A/T models]
118	GR	SENSOR POWER SUPPLY
119	P	ACCELERATOR PEDAL POSITION SENSOR 2
120	G	SENSOR GROUND
121	R	POWER SUPPLY FOR ECM
122	V	SENSOR POWER SUPPLY
123	B	ECM GROUND
124	BR	SENSOR GROUND
126	SB	ACCELERATOR PEDAL POSITION SENSOR 1
127	L	SENSOR GROUND
128	B	ECM GROUND

Connector No.	E23
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	RK03FB
Connector Color	Black



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	SENSOR GROUND
2	W/LG	REFRIGERANT PRESSURE SENSOR
3	B	SENSOR POWER SUPPLY

Connector No.	E44
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH12FW-NH
Connector Color	White



42	41	40	39		37
	47	46	45	44	

Terminal No.	Color Of Wire	Signal Name [Specification]
37	Y	CRANKING ENABLE
39	G	FRONT WIPER STOP POSITION
40	P	CAN-L
41	L	CAN-H
42	G/B	DAYTIME RUNNING LIGHT RELAY CONTROL
44	SB	STARTER RELAY CONTROL
45	R/Y	FUEL PUMP RELAY CONTROL
46	LG	HOOD SWITCH
47	O	POWER GENERATION COMMAND

Connector No.	E45
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FBR-CS
Connector Color	Brown



				49
				52

Terminal No.	Color Of Wire	Signal Name [Specification]
49	W	A/C RELAY POWER SUPPLY
52	B/W	GROUND

Connector No.	E46
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	M06FB-LC
Connector Color	Black



			57
62			

Terminal No.	Color Of Wire	Signal Name [Specification]
57	G	REAR WINDOW DEFOGGER RELAY POWER SUPPLY
62	B/W	GROUND

Connector No.	F8
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	White



7	6	5	4		3	2	1	
16	15	14	13	12	11	10	9	8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	TO ENGINE ROOM HARNESS
2	V	TO ENGINE ROOM HARNESS
3	G	TO ENGINE ROOM HARNESS
4	BR	TO ENGINE ROOM HARNESS
5	G/Y	TO ENGINE ROOM HARNESS
6	B	TO ENGINE ROOM HARNESS
7	GR	TO ENGINE ROOM HARNESS
10	GR	TO ENGINE ROOM HARNESS
11	B	TO ENGINE ROOM HARNESS
12	R	TO ENGINE ROOM HARNESS
13	LG	TO ENGINE ROOM HARNESS
14	G/R	TO ENGINE ROOM HARNESS
16	SB	TO ENGINE ROOM HARNESS

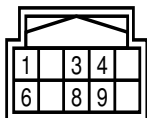
AUTOMATIC AIR CONDITIONING SYSTEM

Connector No.	F53
Connector Name	COMPRESSOR
Connector Type	RS01FB
Connector Color	Black



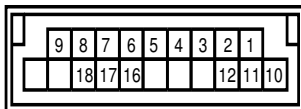
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-

Connector No.	M4
Connector Name	A/C CONTROL
Connector Type	TH10FB-NH
Connector Color	Black



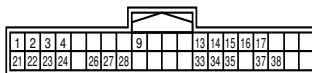
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	A/C CONTROL GROUND
3	LA/L	-
4	G	- [With Stop/Start system]
4	LA/G	- [Without Stop/Start system]
6	B	-
8	LG	-
9	SB	-

Connector No.	M18
Connector Name	JOINT CONNECTOR-M01
Connector Type	NH20FW-DC
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LA/LG	-
2	LA/LG	-
3	LA/LG	-
4	LA/L	-
5	R	-
6	LA/L	-
7	V	-
8	W	-
9	LA/V	-
10	SB	-
11	SB	-
12	SB	-
16	LG	-
17	LG	-
18	LG	-

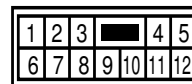
Connector No.	M32
Connector Name	A/C AUTO AMP.
Connector Type	TH40FW-NH
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	B	GND
3	BR	BAT

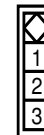
4	SB	UART TX (AMP->CONT)
9	LA/P	SUN SENS
13	R	IGN 2
14	G	FAN CONT AMP. CONT
15	LA/BR	RR DEF SW
16	V	LIN
17	W	D/MTR PWR SPLY
21	P	CAN-L
22	B	GND
23	G	IGN 1 [With Stop/Start system]
23	LA/G	IGN 1 [Without Stop/Start system]
24	LG	UART RX (CONT->AMP)
26	LA/V	SENS GND
27	LG	IN-VHCL SENS
28	R	INT SENS
33	LA/Y	A/C ON
34	L	BLWR MTR F/B
35	SB	RR DEF F/B
37	B	D/MTR GND
38	LA/LG	FAN ON O/P

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	White



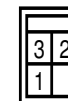
Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	TO MAIN HARNESS
3	V	TO MAIN HARNESS
4	LA/P	TO MAIN HARNESS
5	V	TO MAIN HARNESS
7	W	TO MAIN HARNESS
8	LG	TO MAIN HARNESS
9	B	TO MAIN HARNESS
10	LA/BG	TO MAIN HARNESS
11	LA/Y	TO MAIN HARNESS

Connector No.	M46
Connector Name	WIRE TO WIRE
Connector Type	A03FW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	TO MAIN HARNESS [Without airconditioner system]
1	W	TO MAIN HARNESS [With airconditioner system]
2	B	TO MAIN HARNESS
3	V	TO MAIN HARNESS

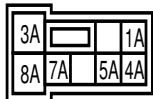
Connector No.	M53
Connector Name	FAN CONTROL AMP.
Connector Type	M04FW-LC
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	L	-

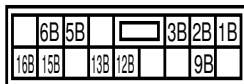
AUTOMATIC AIR CONDITIONING SYSTEM

Connector No.	M57
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	White



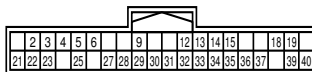
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	R	-
3A	Y	-
4A	G	-
5A	LA/GR	-
7A	LA/BR	-
8A	Y	-

Connector No.	M58
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	Brown



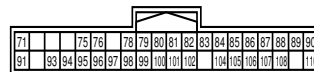
Terminal No.	Color Of Wire	Signal Name [Specification]
12B	P	-
13B	B	-
15B	LA/BR	-
16B	R	-
1B	Y	-
2B	G	-
3B	GR	-
5B	Y	-
6B	R	-
9B	L	-

Connector No.	M61
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH
Connector Color	Black



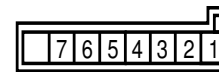
Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	COMBI SW INPUT 5
3	Y	COMBI SW INPUT 4
4	V	COMBI SW INPUT 3
5	R	COMBI SW INPUT 2
6	SB	COMBI SW INPUT 1
9	LA/R	STOP LAMP SW
12	LA/Y	DOOR LK & UNLK SW LOCK
13	LA/G	DOOR LK & UNLK SW UNLOCK
14	LA/BG	OPTICAL SENS
15	LA/BR	REAR WINDOW DEF SW
18	V	RECEIVER/SENSOR GND
19	LA/Y	OPTICAL SENS PWR SPLY
21	G	NATS ANT AMP.
22	L	KYLS ENT RECEIV RSSI
23	R	SECURITY IND LAMP CONT
25	W	NATS ANT AMP.
27	LA/Y	A/C ON [With A/T models]
27	Y	A/C ON [With M/T models]
28	LA/LG	BLOWER FAN ON [With A/T models]
28	LG	BLOWER FAN ON [With M/T models]
29	LA/V	HAZARD SW
30	LA/W	BACK DOOR OPNR SW
31	R	DR DOOR UNLK SENS
32	L	COMBI SW OUTPUT 5
33	GR	COMBI SW OUTPUT 4
34	SB	COMBI SW OUTPUT 3
35	G	COMBI SW OUTPUT 2
36	W	COMBI SW OUTPUT 1
37	P	DETENT SW
39	L	CAN-H
40	P	CAN-L

Connector No.	M64
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
71	LG	KYLS ENT RECEIV COMM
75	LA/V	DR DOOR REQ SW
76	LA/GR	PASS DOOR REQ SW
78	LA/LG	DRIVER DOOR ANT+
79	LA/Y	DRIVER DOOR ANT-
80	LA/P	PASS DOOR ANT+
81	LA/V	PASS DOOR ANT-
82	LA/G	REAR BMPR ANT+
83	LA/R	REAR BMPR ANT-
84	BR	ROOM ANT 1+
85	GR	ROOM ANT 1-
86	G	ROOM ANT 2+
87	R	ROOM ANT 2-
88	LA/G	LUGGAGE ROOM ANT+
89	LA/R	LUGGAGE ROOM ANT-
90	W	PUSH-BTN IGN SW ILL PWR
91	G	ACC / ON IND
93	R	I-KEY WARN BUZZER
94	Y	S/L UNIT COMM
95	LA/L	S/L UNIT PWR SPLY
96	LA/BR	ACC RELAY CONT
97	LA/SB	STATER RELAY CONT
98	V	IGN RELAY (IPDM E/R) CONT
99	LA/R	IGN RELAY (F/B) CONT
100	LG	PUSH-BTN IGN SW
101	LA/G	CLUTCH INTERLOCK SW
102	LA/BG	NEUTRAL SW
104	Y	A/T SHIFT SELECT PWR SPLY
105	LA/V	STOP LAMP SW 2
106	Y	BLWR RELAY CONT
107	W	S/L CONDITION 1
108	SB	S/L CONDITION 2
110	BG	KYLS ENT RECEIV PWR SPLY

Connector No.	M69
Connector Name	JOINT CONNECTOR-M04
Connector Type	SAC08JW
Connector Color	-



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	G	-
3	LA/G	-
4	LA/G	-
5	LA/G	-
6	LA/G	-
7	LA/G	-

Connector No.	M72
Connector Name	BLOWER MOTOR
Connector Type	M02FW-LC
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-

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Connector No.	M88
Connector Name	IN-VEHICLE SENSOR
Connector Type	A02FW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	IN-VHCL SENS
2	W	-

Connector No.	M90
Connector Name	INTAKE SENSOR
Connector Type	C02FW
Connector Color	White



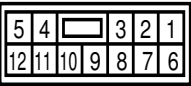
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	INT SENS
2	W	-

Connector No.	M101
Connector Name	WIRE TO WIRE
Connector Type	A03MW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M112
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	TO MAIN HARNESS
3	LG	TO MAIN HARNESS
4	P	TO MAIN HARNESS
5	V	TO MAIN HARNESS
7	W	TO MAIN HARNESS
8	GR	TO MAIN HARNESS
9	B	TO MAIN HARNESS
10	BG	TO MAIN HARNESS
11	Y	TO MAIN HARNESS

Connector No.	M115
Connector Name	SUNLOAD SENSOR
Connector Type	K02FB
Connector Color	Black



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	SUN_SENS
2	V	-

Connector No.	M252
Connector Name	AIR MIX DOOR MOTOR LH
Connector Type	A03FW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M253
Connector Name	MODE DOOR MOTOR
Connector Type	A03FW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M254
Connector Name	INTAKE DOOR MOTOR
Connector Type	A03FW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

AUTOMATIC AIR CONDITIONING SYSTEM

Connector No.	M255
Connector Name	AIR MIX DOOR MOTOR RH
Connector Type	A03FW
Connector Color	White



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-