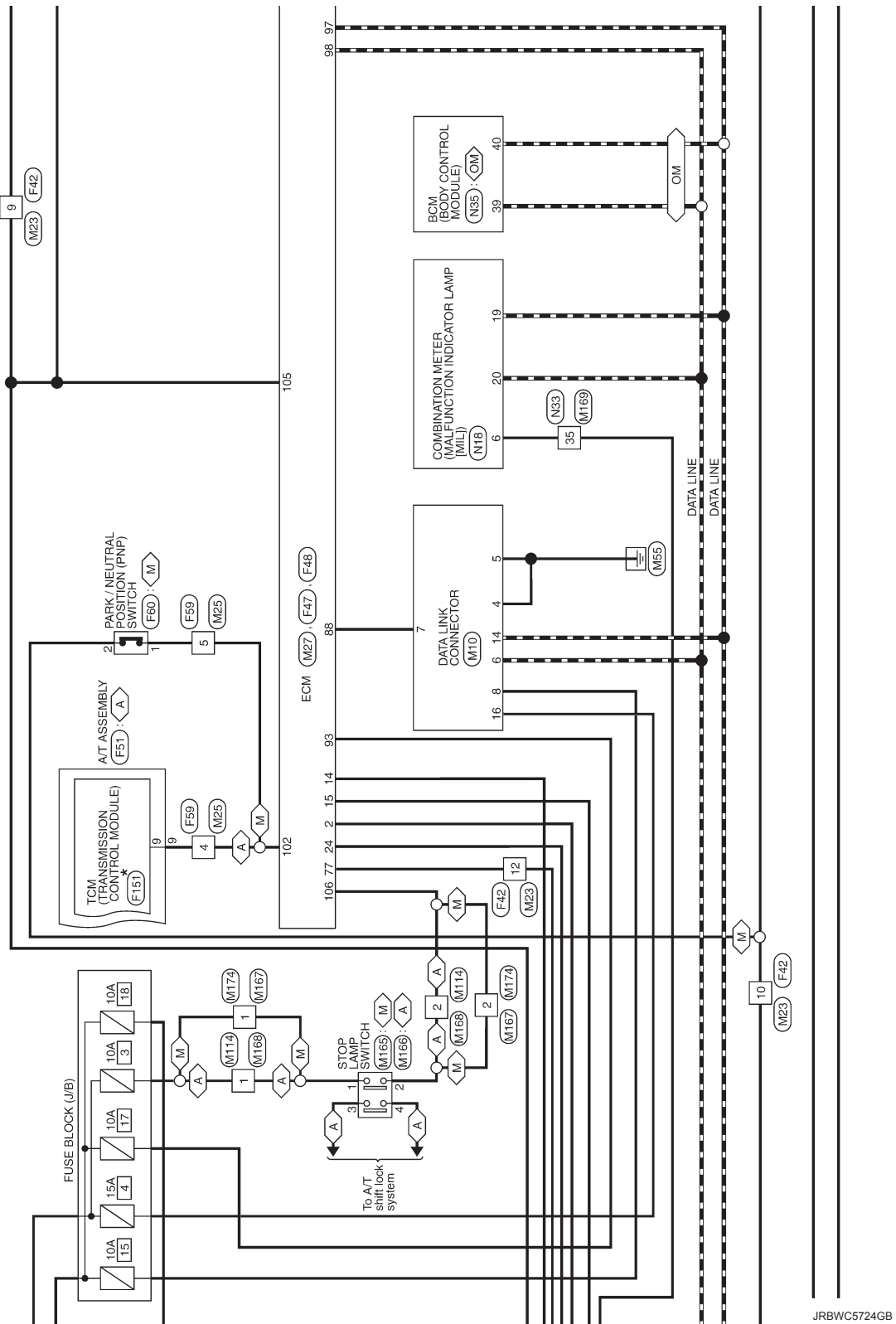


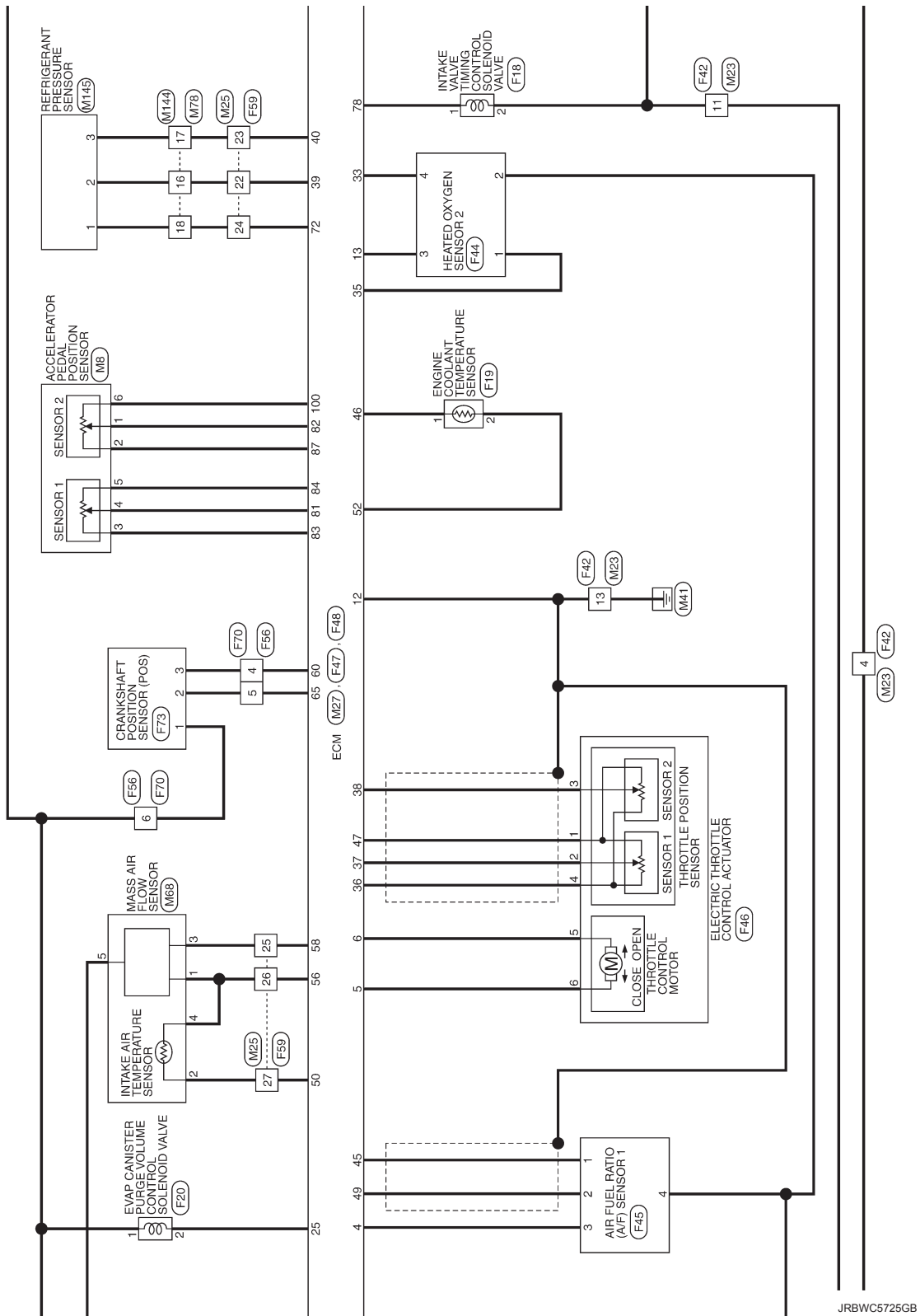
ENGINE CONTROL SYSTEM

< WIRING DIAGRAM >

[QR20DE • QR25DE]



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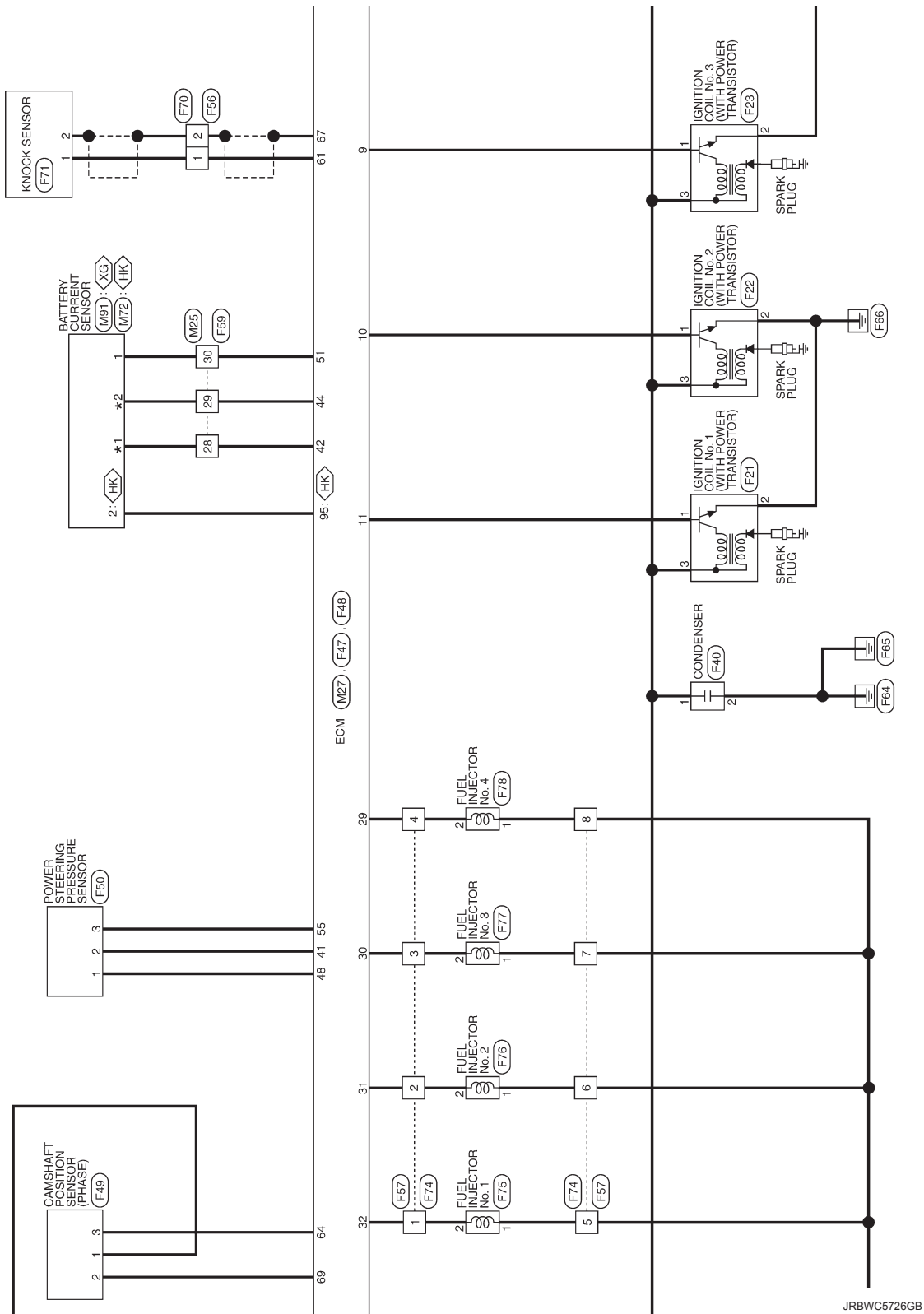


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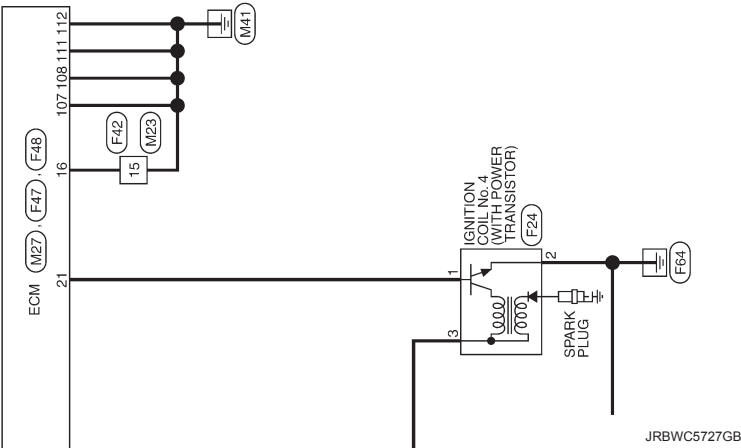
ENGINE CONTROL SYSTEM

< WIRING DIAGRAM >

[QR20DE • QR25DE]



A
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ENGINE CONTROL SYSTEM (QR ENGINE)

Connector No.	C6
Connector Name	FUEL LEVEL SENSOR UNIT
Connector Type	RS04MGY



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

Connector No.	C11
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [With gasoline engine]
1	W	- [With diesel engine]
3	W	-
4	B	- [With gasoline engine]
4	P	- [With diesel engine]
5	SB	-
6	LG	-
7	R	-
8	B	-

Connector No.	F18
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	ED2FG-RS-LGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	C/V
2	W	POWER(EG,RLY)

Connector No.	F19
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	ED2FGY-RS



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

Connector No.	F20
Connector Name	PUMP/ANISTER PUMP VOLUME CONTROL SOLENOID VALVE
Connector Type	ED2FL-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	POWER(VB)
2	BR	C/U

Connector No.	F21
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



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

Connector No.	F22
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



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

Connector No.	F23
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	ED3FGY-RS



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

ENGINE CONTROL SYSTEM (QR ENGINE)

Connector No.	F24
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E09GY-RS



Connector No.	F42
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Connector No.	F44
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	RH04MB



Connector No.	F46
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Type	RH06FB



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

Connector No.	F40
Connector Name	CONDENSER
Connector Type	M02FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	- [For engine control system]
3	BE	- [For front air conditioner]
4	GR	- [With diesel engine]
5	LG	- [With gasoline engine]
6	R	- [With diesel engine]
7	V	- [With gasoline engine]
8	SB	- [With diesel engine]
9	P	- [With gasoline engine]
10	BE	- [With diesel engine]
11	R	- [With gasoline engine]
12	R	- [With gasoline engine]
13	B	- [With diesel engine]
14	G	- [With gasoline engine]
15	B	- [With diesel engine]
16	Y	- [With gasoline engine]
17	W	-
18	R	- [With gasoline engine]
19	SB	- [With diesel engine]
20	B	- [With gasoline engine]
21	BR	- [With diesel engine]
22	G	- [With gasoline engine]
23	L	- [With diesel engine]
24	B	- [With gasoline engine]
25	Y	- [With diesel engine]

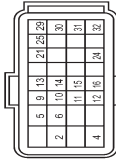
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	P	-
4	V	-

Connector No.	F45
Connector Name	AIR FUEL RATIO (AF) SENSOR 1
Connector Type	RH04MDGY-BR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	W	-
3	R	-
4	B	-
5	B	-
6	W	-

Connector No.	F47
Connector Name	ECM
Connector Type	RH24FGY-RZ8-R-RH



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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-
3	V	-
4	R	-

Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	THROTTLE CONTROL MOTOR POWER SUPPLY
4	V	AF SENSOR 1 HEATER
5	W	THROTTLE CONTROL MOTOR (OPEN)
6	B	THROTTLE CONTROL MOTOR (CLOSE)
9	SB	IGNITION SIGNAL NO. 3
10	V	IGNITION SIGNAL NO. 2
11	LG	IGNITION SIGNAL NO. 1
12	B	ECM GROUND
13	P	HEATED OXYGEN SENSOR 2 HEATER (BANK 1)
14	GR	FUEL PUMP RELAY
15	O	THROTTLE CONTROL MOTOR RELAY
16	B	ECM GROUND
21	GR	IGNITION SIGNAL NO. 4
24	GR	ECM RELAY (SELF-POWER) FOR THE AIR FUEL RATIO (AF) SENSOR 1

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ENGINE CONTROL SYSTEM (QR ENGINE)

24	W	IGN RELAY (SOLE NO. 1) (Ground for the Middle East with wide models)
25	BR	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
29	L	FUEL INJECTOR NO. 4
30	Y	FUEL INJECTOR NO. 3
31	G	FUEL INJECTOR NO. 2
32	R	FUEL INJECTOR NO. 1

Connector No.	F43
Connector Name	ECM
Connector Type	RH40FBR-RZ8-L-RH



Terminal No.	Color Of Wire	Signal Name [Specification]
33	V	HEATED OXYGEN SENSOR 2
35	B	SENSOR GROUND
36	B	SENSOR GROUND
37	W	THROTTLE POSITION SENSOR 1
38	R	THROTTLE POSITION SENSOR 2
39	P	REFRIGERANT PRESSURE SENSOR
40	R	SENSOR GROUND
41	R	POWER STEERING PRESSURE SENSOR
42	LG	BATTERY CURRENT SENSOR
44	V	SENSOR GROUND [For Hong Kong]
44	Y	SENSOR GROUND [Except for Hong Kong]
45	W	AF SENSOR 1
46	L	ENGINE COOLANT TEMPERATURE SENSOR
47	G	SENSOR POWER SUPPLY
48	BR	SENSOR GROUND
49	B	AF SENSOR 1
50	BR	INTAKE AIR TEMPERATURE SENSOR
51	O	SENSOR POWER SUPPLY
52	B	SENSOR GROUND
55	W	SENSOR POWER SUPPLY
56	V	SENSOR GROUND
58	Y	MASS AIR FLOW SENSOR
60	SB	SENSOR GROUND
61	W	KNOCK SENSOR
64	B	SENSOR GROUND
65	L	CRANKSHAFT POSITION SENSOR
67	SHIELD	SENSOR GROUND
69	L	CAUSHAFT POSITION SENSOR

72	LG	SENSOR POWER SUPPLY
77	R	POWER SUPPLY FOR ECM (BACK-UP)
78	P	INTAKE VALVE TIMING CONTROL SOLENOID VALVE

Connector No.	F49
Connector Name	CAMSHAFT POSITION SENSOR (PHASE)
Connector Type	RK03FB



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

Connector No.	F50
Connector Name	POWER STEERING PRESSURE SENSOR
Connector Type	RK03FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	GND
2	R	SIGNAL
3	W	POWER

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BATTERY POWER SUPPLY
2	GR	BATTERY POWER SUPPLY
3	L	CANH
4	W	K-LINE
5	B	GROUND
6	BE	IGNITION POWER SUPPLY [For QR engine]
6	V	IGNITION POWER SUPPLY [For YD engine]
7	LG	BACK-UP LAMP RELAY [Except for the Middle East]
7	R	BACK-UP LAMP RELAY [For the Middle East]
8	P	CANL
9	P	STARTER RELAY
10	B	GROUND

Connector No.	F56
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	V	-
4	SB	-
5	L	-
6	Y	-

Connector No.	F57
Connector Name	WIRE TO WIRE
Connector Type	RS08FB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	Y	-
4	L	-
5	GR	-
6	GR	-
7	GR	-
8	GR	-

Connector No.	F59
Connector Name	WIRE TO WIRE
Connector Type	TH02FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	LG	- [For LHD models with reverse lamp]
3	R	- [For RHD models with reverse lamp]
4	P	- [For transmission control unit]
5	LG	-
6	V	-
7	GR	- [For the Middle East with wide models]
7	W	- [Except for the Middle East with wide models]
8	O	-
9	GR	-

ENGINE CONTROL SYSTEM (QR ENGINE)

10	L	- [With diesel engine]
10	R	- [With gasoline engine]
11	LG	- [With diesel engine]
11	SB	- [With gasoline engine]
12	P	- [For combination meter]
12	L	- [For Starting system]
13	B	- [Except for YD engine]
13	L	- [With YD engine]
14	G	- [Except for YD engine]
14	P	- [With YD engine]
17	R	-
17	GR	- [With QR engine]
18	L	- [With YD engine]
19	BE	- [With QR engine]
19	P	- [With YD engine]
20	BR	- [With YD engine]
20	L	- [With QR engine]
21	P	- [With QR engine]
21	Y	- [With YD engine]
22	LG	- [With diesel engine]
22	P	- [With gasoline engine]
23	R	-
24	LG	-
25	Y	-
26	GR	- [With diesel engine]
26	V	- [With gasoline engine]
27	BR	-
28	LG	-
29	GR	- [With diesel engine]
29	V	- [With gasoline engine] [For Hong Kong]
29	Y	- [With gasoline engine] [Except for Hong Kong]
30	G	- [With diesel engine]
30	O	- [With gasoline engine]
31	W	-
32	R	-

Connector No.	F60
Connector Name	PARK / NEUTRAL POSITION (PNP) SWITCH
Connector Type	W02FB



Connector No.	F71
Connector Name	KNOCK SENSOR
Connector Type	F02FG-HS



Connector No.	F74
Connector Name	WIRE TO WIRE
Connector Type	RS08MB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	- [With gasoline engine]
1	R	- [With diesel engine]
2	B	- [With diesel engine]
2	R	- [With gasoline engine]

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	Y	-
4	L	-
5	W	-
6	W	-
7	W	-
8	W	-

Connector No.	F73
Connector Name	CRANKSHAFT POSITION SENSOR (POS)
Connector Type	RK03FB



Connector No.	F75
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	V	-
4	SB	-
5	L	-
6	Y	-

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

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

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ENGINE CONTROL SYSTEM (QR ENGINE)

Connector No.	F76
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



Connector No.	F78
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



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

Connector No.	F77
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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

Connector No.	F151
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FBGY



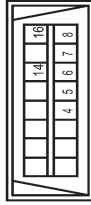
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-

Connector No.	M7
Connector Name	SNOW MODE SWITCH
Connector Type	TK08FW



Connector No.	M10
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	B	-
4	BR	-
5	V	-
6	B	-

Connector No.	M8
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	RH06FB



Terminal No.	Color Of Wire	Signal Name [Specification]
4	B	GND
5	B	GND
6	L	CAN-H
7	W	K-LINE
8	Y	IGN
14	P	CAN-L
16	GR	ELEC. B

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Type	RS08MB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	PPS_OUT2 [With diesel engine]
1	Y	ACCELERATOR PEDAL POSITION SENSOR 2 [With gasoline engine]
2	G	AVCC2_APS2 [With gasoline engine]
2	R	VREF_PPS2 [With diesel engine]
3	R	AVCC1_APS1
4	SB	ACCELERATOR PEDAL POSITION SENSOR 1 [With gasoline engine]
4	W	PPS_OUT1 [With diesel engine]
5	B	GND-PPST [With diesel engine]
5	V	GND_APS1 [With gasoline engine]
6	B	GND-PPS2 [With diesel engine]
6	BR	GND_APS2 [With gasoline engine]

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	- [With gasoline engine]
1	W	- [With diesel engine]
3	W	-
4	B	- [With gasoline engine]
4	P	- [With diesel engine]
5	SB	-
6	LG	-
7	GR	-
8	B	-

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ENGINE CONTROL SYSTEM (QR ENGINE)

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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



Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14		
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

26	BR	- [With gasoline engine]
26	P	- [With diesel engine]
27	BR	- [With diesel engine]
27	SB	- [With gasoline engine]
28	SB	-
29	L	- [With gasoline engine]
29	SB	- [With diesel engine]
30	LG	- [With gasoline engine]
30	R	- [With diesel engine]
31	G	-
32	BR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	- [For engine control system]
2	P	- [For front air conditioner]
3	L	- [With diesel engine]
3	W	- [With gasoline engine]
4	LG	- [With diesel engine]
4	Y	- [With gasoline engine]
5	G	- [With diesel engine]
5	LG	- [With gasoline engine]
6	L	- [With gasoline engine]
6	O	- [With diesel engine]
8	P	-
9	LG	- [With diesel engine]
9	W	- [With gasoline engine]
10	W	-
11	SB	-
12	G	- [With diesel engine]
12	V	- [With gasoline engine]
13	B	- [With gasoline engine]
13	R	- [With diesel engine]
14	G	- [With gasoline engine]
14	L	- [With diesel engine]
15	B	- [With gasoline engine]
15	Y	- [With diesel engine]

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	LG	- [For LHD models with reverse lamp]
3	R	- [For RHD models with reverse lamp]
3	V	- [For transmission control system]
4	R	-
5	R	-
6	W	-
7	GR	- [For the Middle East with wide models]
7	W	- [Except for the Middle East with wide models]
8	BE	-
9	P	-
10	L	- [With diesel engine]
10	V	- [With gasoline engine]
11	LG	- [With gasoline engine]
11	W	- [With diesel engine]
12	L	- [For combination meter]
12	R	- [For Starting system]
13	B	- [Except for YD engine]
13	L	- [With YD engine]
14	LG	- [Except for YD engine]
14	P	- [With YD engine]
17	R	-
18	L	- [With YD engine]
18	W	- [With QR engine]
19	P	- [With YD engine]
19	V	- [With QR engine]
20	L	- [With QR engine]
20	P	- [With YD engine]
21	G	- [With YD engine]
21	P	- [With QR engine]
22	G	- [With gasoline engine]
22	LG	- [With diesel engine]
23	P	-
24	LG	-
25	Y	-

Connector No.	M27
Connector Name	ECM
Connector Type	RH24FB-RZ8-LRH



81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
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Terminal No.	Color Of Wire	Signal Name [Specification]
81	SB	ACCELERATOR PEDAL POSITION SENSOR 1
82	Y	ACCELERATOR PEDAL POSITION SENSOR 2
83	R	SENSOR POWER SUPPLY
84	V	SENSOR GROUND
87	G	SENSOR POWER SUPPLY
88	W	DATA LINK CONNECTOR
93	P	IGNITION SWITCH
95	Y	BATTERY TEMPERATURE SENSOR [For Hong Kong]
97	P	CAN COMMUNICATION LINE
98	L	CAN COMMUNICATION LINE
100	BR	SENSOR GROUND
102	R	PNP SIGNAL
105	W	POWER SUPPLY FOR ECM
106	R	STOP LAMP SWITCH
107	B	ECM GROUND
108	B	ECM GROUND
111	B	ECM GROUND
112	B	ECM GROUND

Connector No.	M44
Connector Name	IGNITION RELAY LIGHT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS12FW-CS



44	43		42	41	40	
51	50	49	48	47	46	45

Terminal No.	Color Of Wire	Signal Name [Specification]
40	P	-
41	L	-
42	R	-
43	V	-
44	LG	-
45	L	-
46	G	-
47	B	-
48	W	-
49	Y	-
50	G	-
51	Y	-

Connector No.	M67
Connector Name	IGNITION RELAY LIGHT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH40FW-NH



67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
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Terminal No.	Color Of Wire	Signal Name [Specification]
67	BR	- [With diesel engine]
67	GR	- [For LHD models with gasoline engine]
67	W	- [For RHD models with gasoline engine]
68	SB	-
69	BE	-
70	R	-
71	BE	- [Except for the Middle East with wide models]
71	GR	- [For the Middle East with wide models]

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ENGINE CONTROL SYSTEM (QR ENGINE)

74	P	-
76	P	-
79	B	-
80	Y	-
81	BR	-
82	P	-
83	L	-
84	G	-
85	W	-
86	LG	- [For the Middle East with wide models]
87	R	- [Except for the Middle East with wide models]
88	W	-
90	R	-
92	V	-
95	W	-
96	G	-
97	Y	-
102	Y	-
103	Y	-
104	SB	-
105	W	-

Connector No.	M68
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH06FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	GND-TA
2	SB	INTAKE AIR TEMPERATURE SENSOR
3	Y	MASS AIR FLOW SENSOR
4	BR	SENSOR GROUND (MASS AIR FLOW SENSOR)
5	W	PWR(VB)

Connector No.	M70
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08FBR-CS



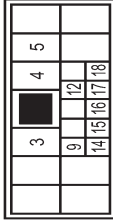
Terminal No.	Color Of Wire	Signal Name [Specification]
52	G	- [With diesel engine]
52	SB	- [With gasoline engine]
53	R	-
54	L	-
55	LG	- [With diesel engine]
55	W	- [With gasoline engine]
56	W	-
57	V	-
59	P	-

Connector No.	M72
Connector Name	BATTERY CURRENT SENSOR
Connector Type	SAZ04FGY



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

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
4	BR	-
5	V	-
9	SB	-
12	SB	-
14	R	-
15	W	-
16	G	-
17	P	-
18	LG	-

Connector No.	M81
Connector Name	BATTERY CURRENT SENSOR
Connector Type	RH03FB



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

Connector No.	M114
Connector Name	WIRE TO WIRE
Connector Type	NS04MW-CS



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

Connector No.	M142
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M04FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	O	-

ENGINE CONTROL SYSTEM (QR ENGINE)

Connector No.	M144
Connector Name	WIRE TO WIRE
Connector Type	NH0FW-CS10

5	4	3		
		12	9	
		18	17	16
		15	14	



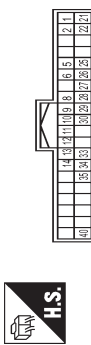
Connector No.	M165
Connector Name	STOP LAMP SWITCH
Connector Type	IM02FB-LC



Connector No.	M167
Connector Name	WIRE TO WIRE
Connector Type	NS02FW-CS

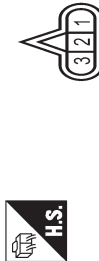


Connector No.	M169
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
4	BR	-
5	V	-
9	SB	-
12	SB	-
14	R	-
15	W	-
16	G	-
17	P	-
18	LG	-

Connector No.	M145
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	RK03FB



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

Connector No.	M166
Connector Name	STOP LAMP SWITCH
Connector Type	IM04FW-LC



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

Connector No.	M168
Connector Name	WIRE TO WIRE
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	L	- [For the Middle East with wide models]
2	SB	- [Except for the Middle East with wide models]
5	BR	-
6	SB	-
8	P	-
9	W	-
10	R	-
11	SB	-
12	Y	-
13	SB	-
14	R	-
21	GR	- [For the Middle East with wide models]
21	W	- [Except for the Middle East with wide models]
22	GR	- [For the Middle East with wide models]
22	SB	- [Except for the Middle East with wide models]
25	BR	-
26	Y	-
27	SB	-
28	V	-
29	B	-
30	LG	-
33	LG	-
34	P	-
35	BR	-
40	Y	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	R	-
3	GR	-
4	LG	-

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

JRBWC5829GB

ENGINE CONTROL SYSTEM

< WIRING DIAGRAM >

[QR20DE • QR25DE]

ENGINE CONTROL SYSTEM (QR ENGINE)

Connector No.	IM174
Connector Name	WIRE TO WIRE
Connector Type	NS02MW-CS



Terminal No.	Wire	Signal Name [Specification]
1	L	-
2	R	-

Connector No.	NT18
Connector Name	COMBINATION METER
Connector Type	TH40FV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	CAMERA ON
2	B	COMPI(+)
3	BE	OIL LEVEL SENSOR SIGNAL
5	V	WATER IN FUEL WARNING SIGNAL
6	R	SNOW MODE SWITCH SIGNAL
8	GR	AUTO CLOSER, TIME(S) (R) (For the Middle East with wide models)
8	P	AUTO CLOSER, TIME(S) (L) (For the Middle East with wide models)
9	L	AUTO CLOSER, TIME(S) (R) (For the Middle East with wide models)
9	W	AUTO CLOSER, TIME(S) (L) (For the Middle East with wide models)
10	GR	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
12	L	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
13	G	O/D OFF SWITCH SIGNAL
14	R	AIR BAG SIGNAL
15	BR	FUEL LEVEL SENSOR SIGNAL
16	LG	VEHICLE SPEED SENSOR SIGNAL
17	BR	SPEED(800) O/P
18	P	SPEED(2P)
19	P	CANL

20	L	CANH
21	P	CAMERA GND
22	SHIELD	COMPI(+)
23	SB	OIL LEVEL SENSOR GROUND
24	L	SECURITY INDICATOR SIGNAL
25	SB	WASHER LEVEL SWITCH SIGNAL
28	B	AUTO CLOSER, TIME(S) (R) (For the Middle East with wide models)
28	GR	AUTO CLOSER, TIME(S) (L) (For the Middle East with wide models)
29	B	AUTO CLOSER, SW. RL
30	V	AUTO CLOSER, SW. RL
31	Y	4WD IND. SW.
32	P	ACC POWER SUPPLY
33	BE	IGNITION SIGNAL
34	Y	BATTERY POWER SUPPLY
35	L	ALTERNATOR SIGNAL
36	B	VEHICLE SPEED SENSOR GROUND
37	R	FUEL LEVEL SENSOR GROUND
39	B	GROUND
40	B	GROUND

Connector No.	NS3
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	L	-
2	W	-
5	BR	-
6	SB	-
8	P	-
9	BR	-
10	R	-
11	G	-
12	Y	-
13	SB	-
14	R	-
21	B	-
21	GR	-
22	GR	-

22	P	-
25	P	-
26	L	-
27	SB	-
28	V	-
29	Y	-
30	LG	-
33	LG	-
34	P	-
35	R	-
40	Y	-

Connector No.	NS5
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	COMBI SW INPUT 5
3	Y	COMBI SW INPUT 4
4	V	COMBI SW INPUT 3
5	GR	COMBI SW INPUT 2
6	W	COMBI SW INPUT 1
7	R	DR DOOR UNLK SENS
9	R	STOP LAMP SW
10	BR	REAR WINDOW DEF SW
11	P	IGN SW ACC
18	V	RECEIVER GND
19	P	KYLS ENT RECEIV PWR SPLY
20	LG	KYLS ENT RECEIV COMM
21	V	NATS ANT AMP
23	L	SECURITY IND CONT
25	LG	NATS ANT AMP
26	G	THERMO CONT AMP
27	Y	AC SW
28	Y	BLOWER FAN SW
29	P	HAZARD SW
32	BR	COMBI SW OUTPUT 5
33	P	COMBI SW OUTPUT 4
34	LG	COMBI SW OUTPUT 3
35	SB	COMBI SW OUTPUT 2

36	BE	COMBI SW OUTPUT 1
37	LG	KEY SW
38	Y	IGN SW ON
39	L	CANH
40	P	CANL