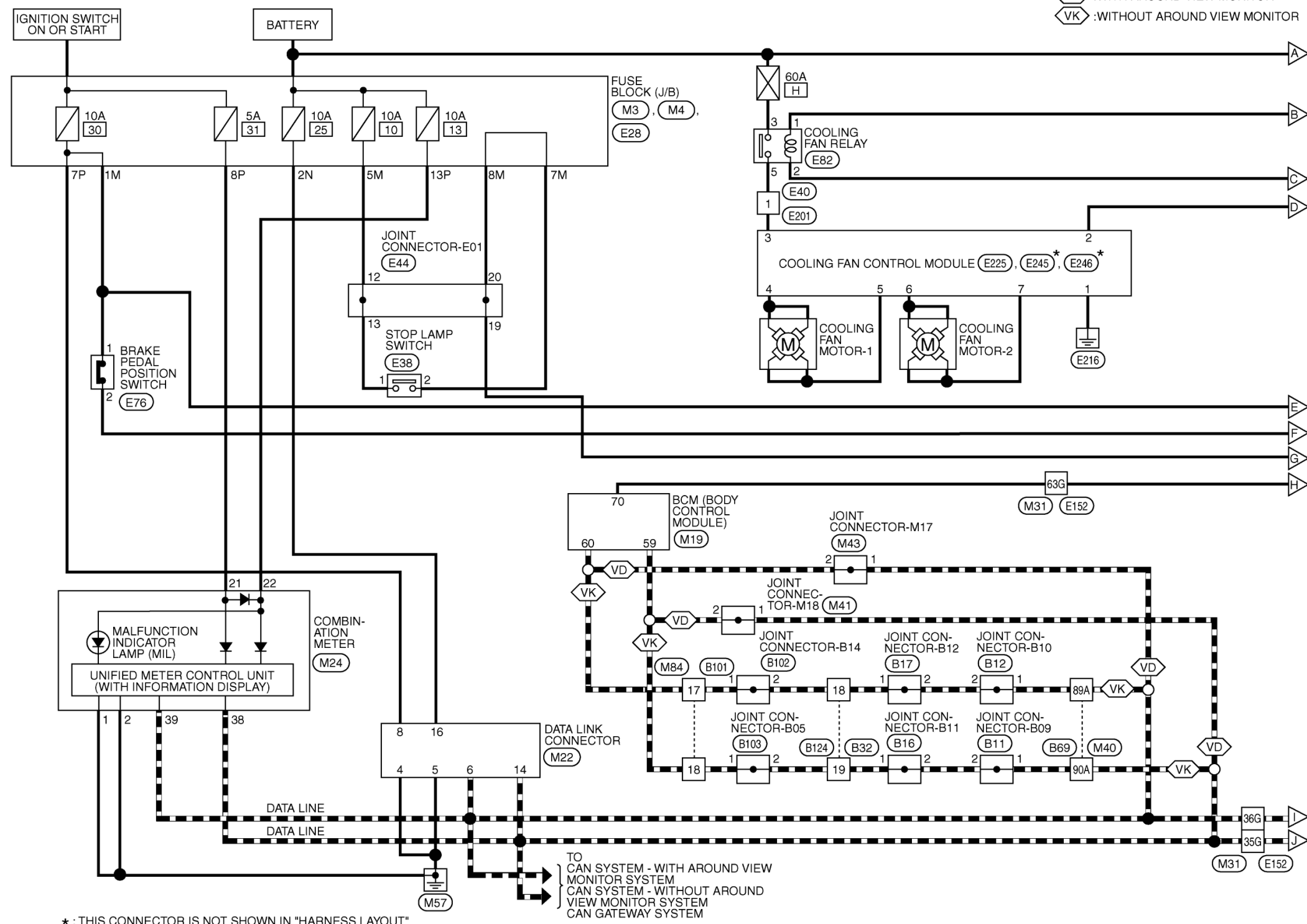
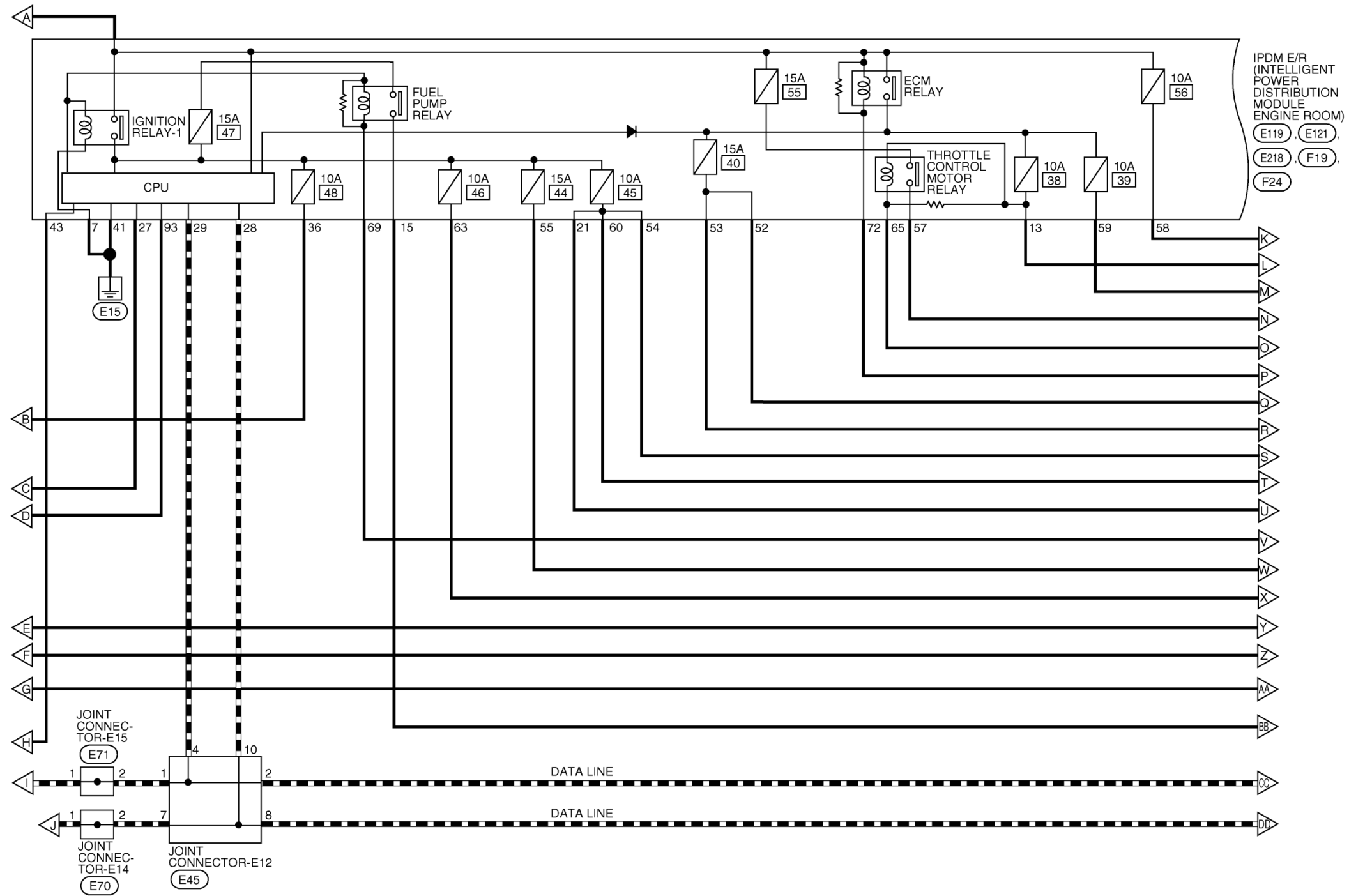


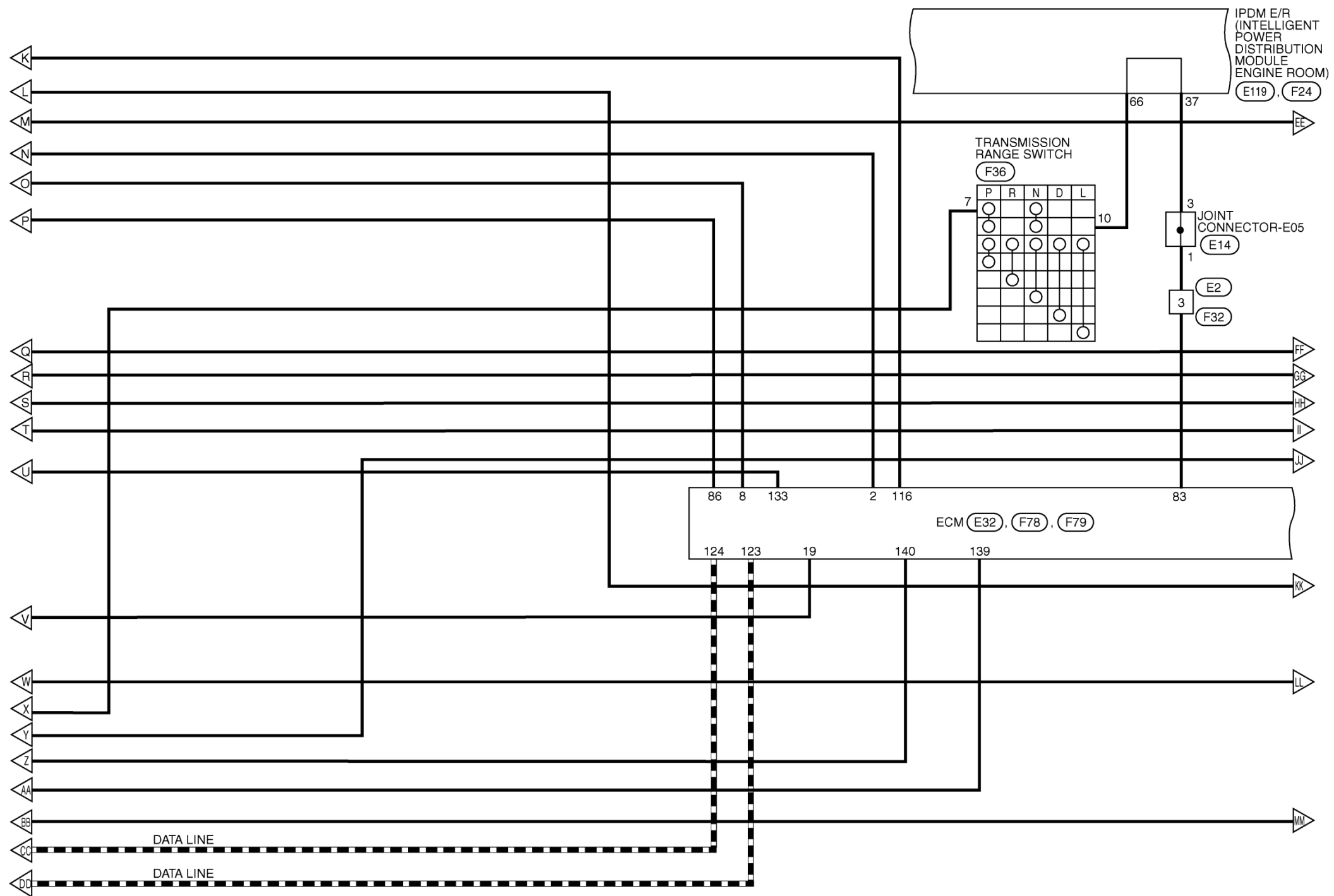
ENGINE CONTROL SYSTEM - EXCEPT FOR MEXICO

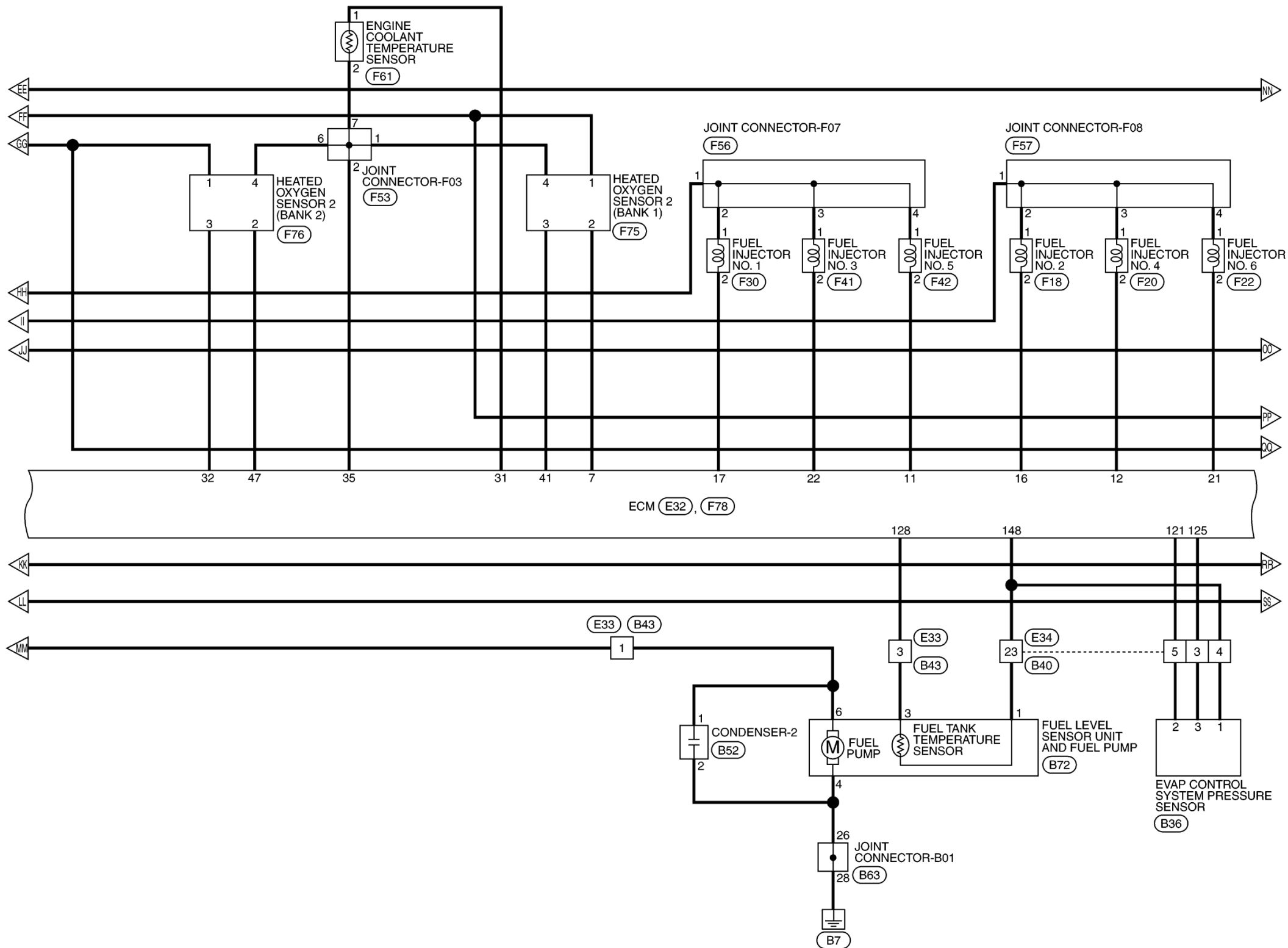
VD :WITH AROUND VIEW MONITOR
VK :WITHOUT AROUND VIEW MONITOR

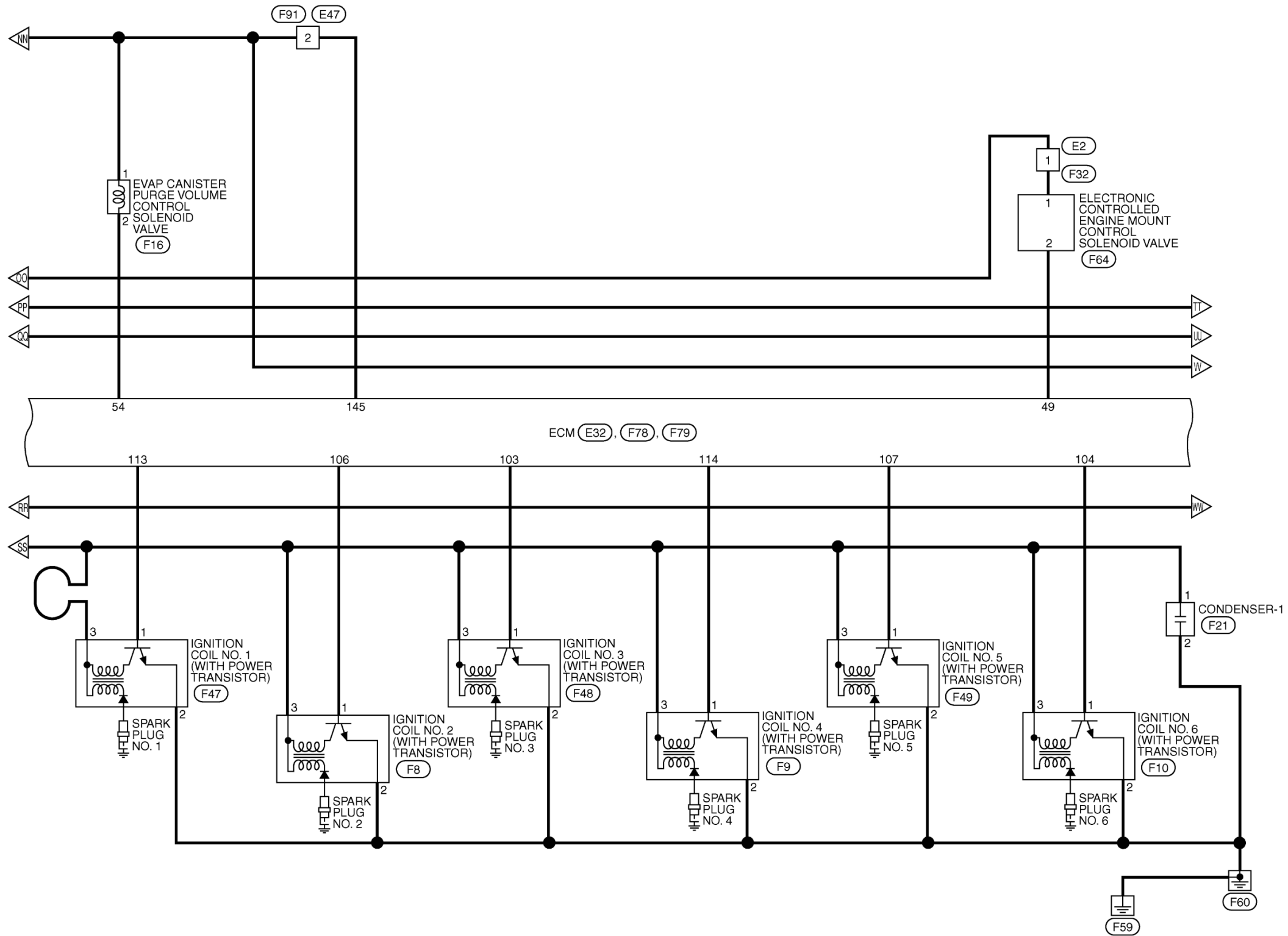


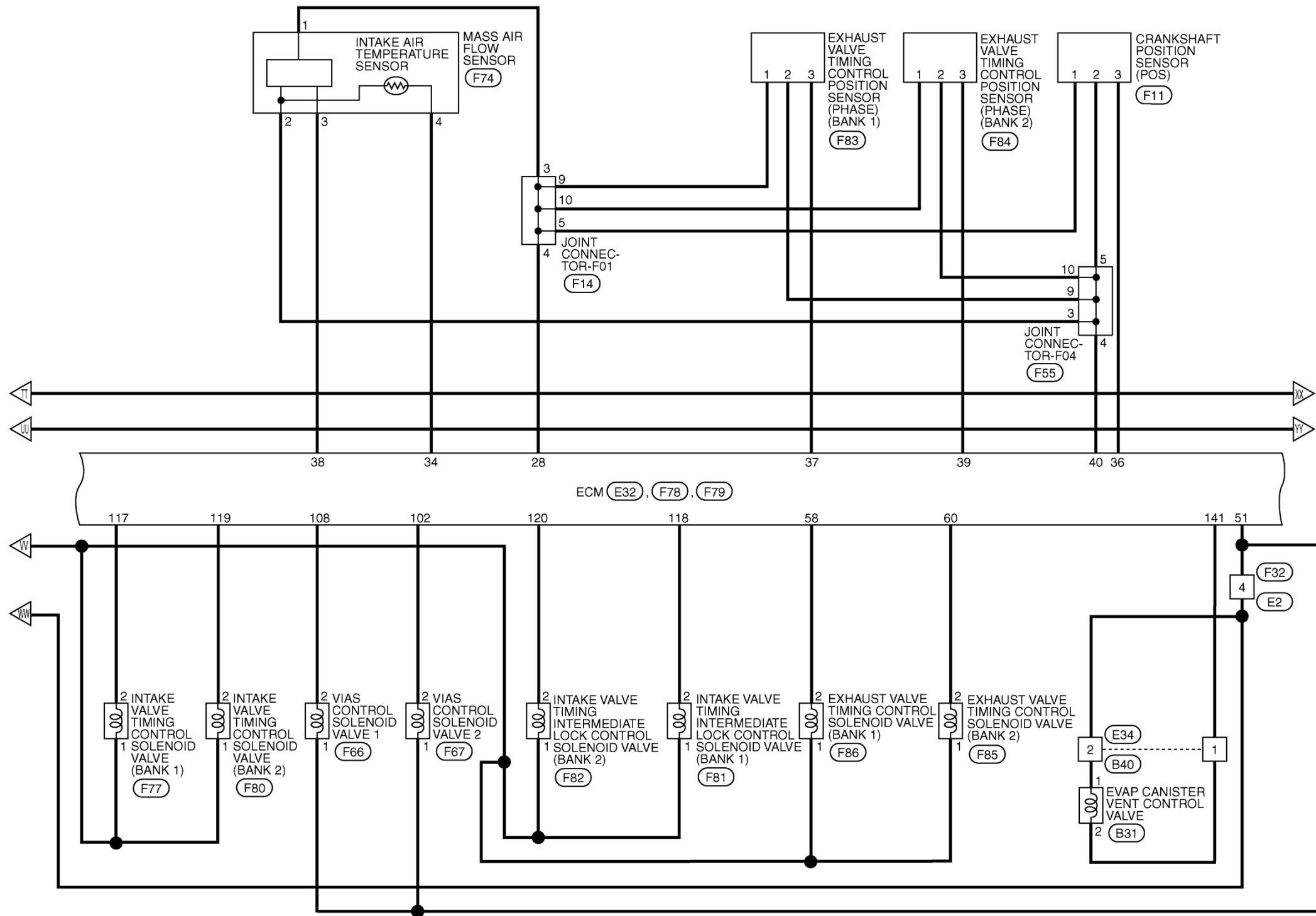
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT"

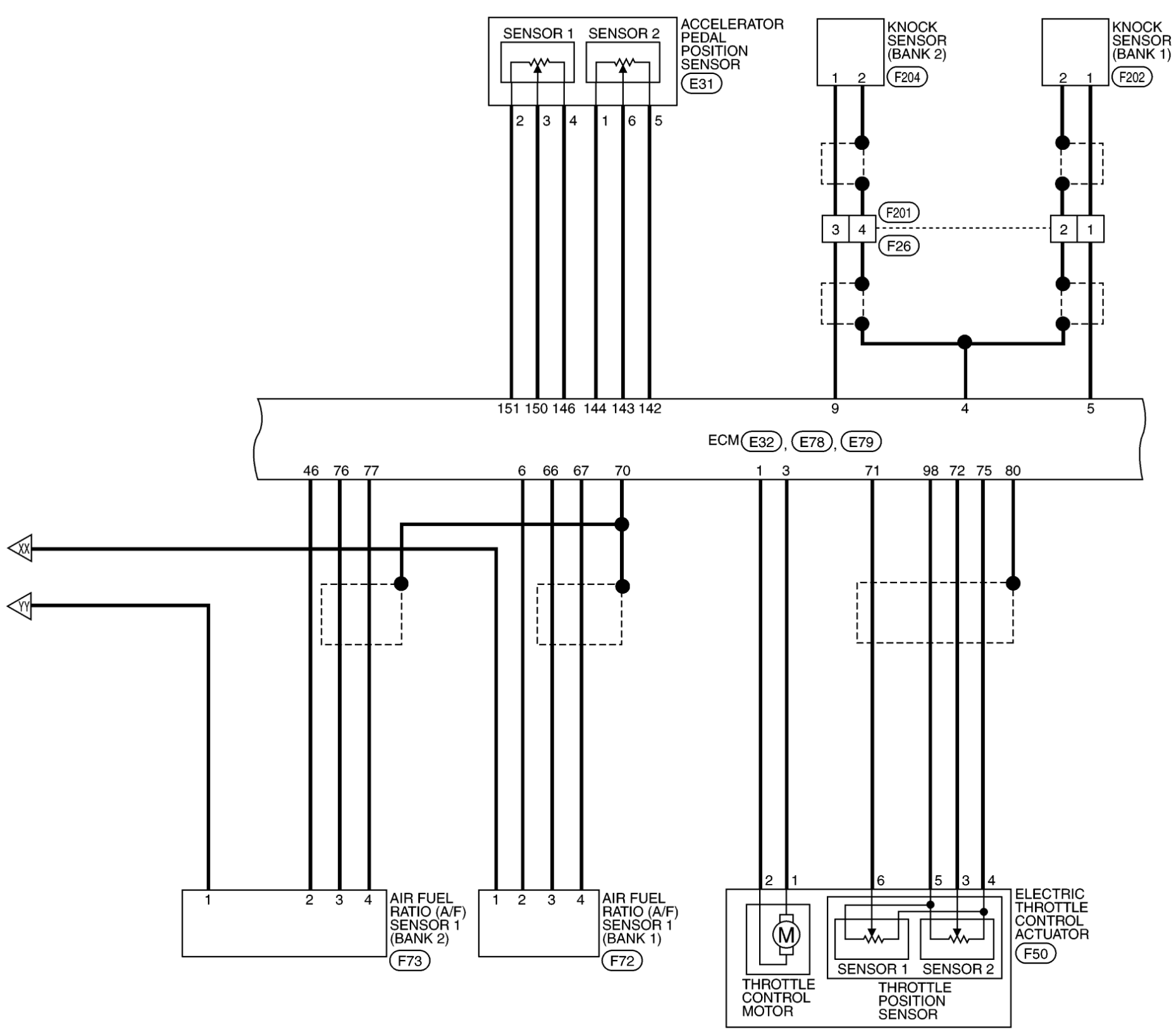


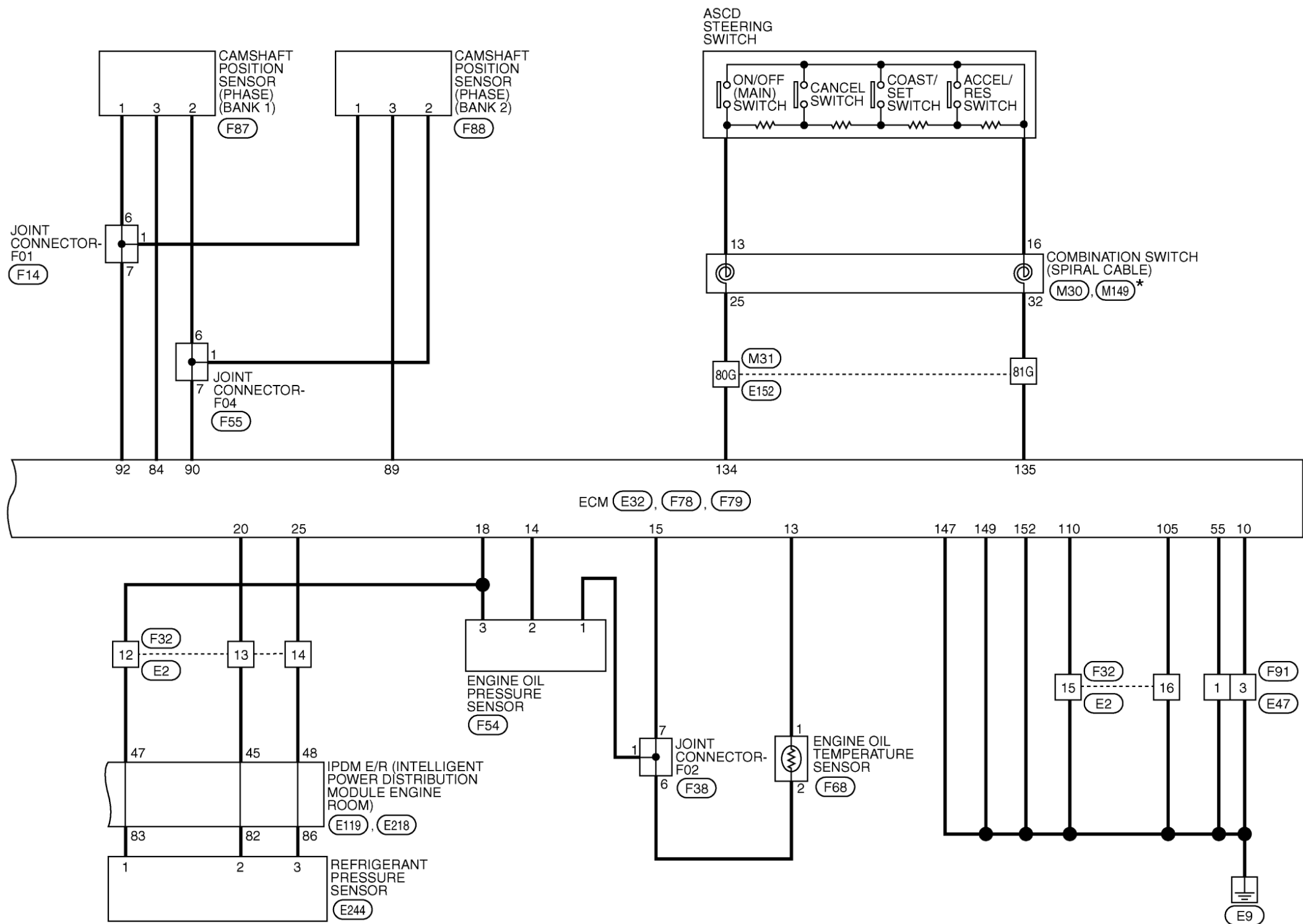








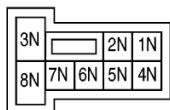




* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT"

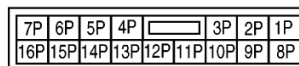
ENGINE CONTROL SYSTEM CONNECTORS - EXCEPT FOR MEXICO

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



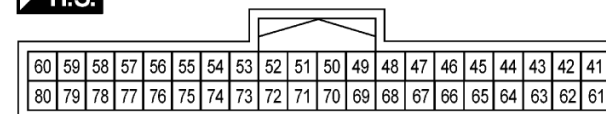
Terminal No.	Color of Wire	Signal Name
2N	BG	—

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



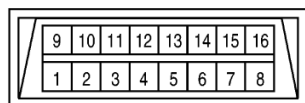
Terminal No.	Color of Wire	Signal Name
7P	LG	—
8P	BG	—
13P	W	—

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK



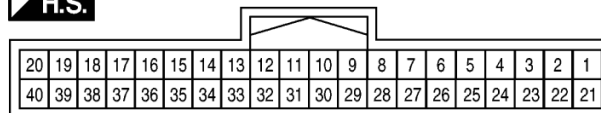
Terminal No.	Color of Wire	Signal Name
59	P	CAN-L
60	L	CAN-H
70	P	IGN USM OUT 1

Connector No.	M22
Connector Name	DATA LINK CONNECTOR
Connector Color	WHITE



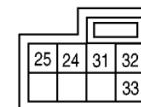
Terminal No.	Color of Wire	Signal Name
4	B	—
5	B	—
6	L	—
8	LG	—
14	P	—
16	BG	—

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



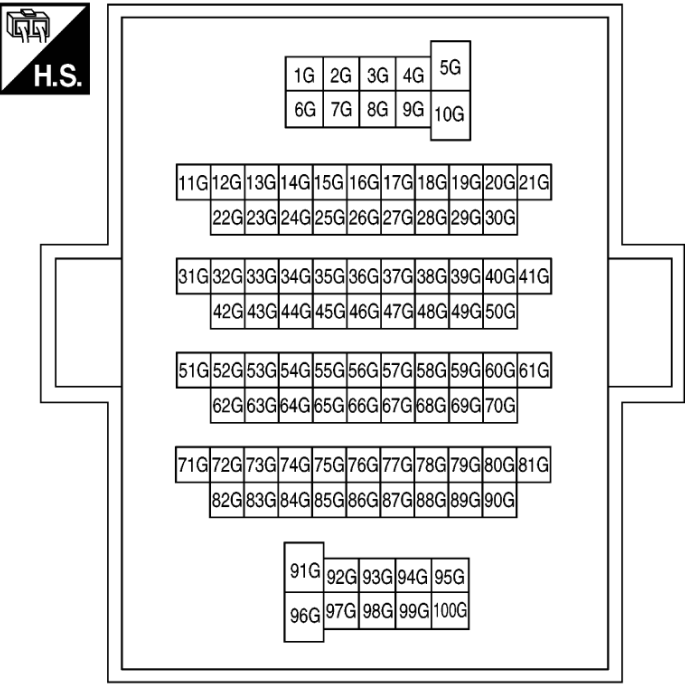
Terminal No.	Color of Wire	Signal Name
1	B	GND1
2	B	GND2
21	BG	IGN
22	W	BAT
38	P	CAN-L
39	L	CAN-H

Connector No.	M30
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	GRAY



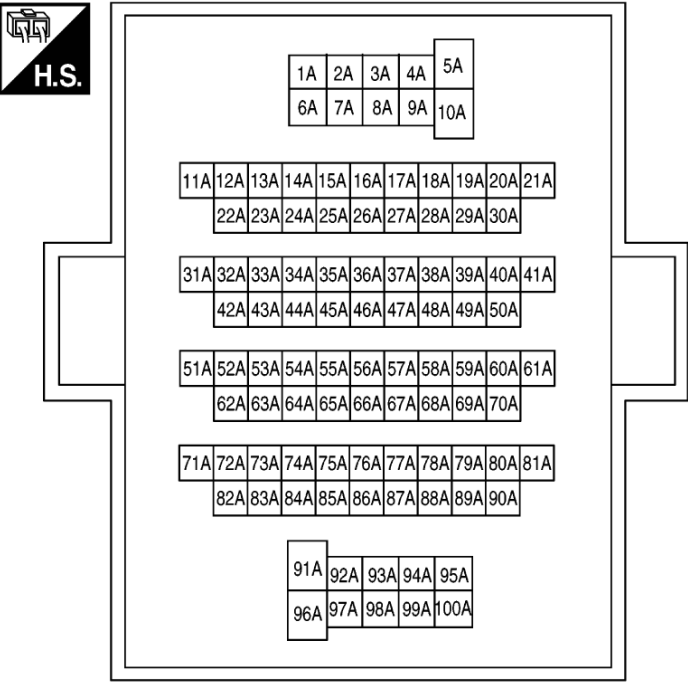
Terminal No.	Color of Wire	Signal Name
25	W	—
32	G	—

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
35G	P	—
36G	L	—
63G	P	—
80G	W	—
81G	G	—

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
89A	L	—
90A	P	—

Connector No.	M41
Connector Name	JOINT CONNECTOR-M18
Connector Color	WHITE



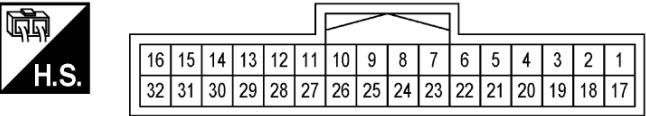
Terminal No.	Color of Wire	Signal Name
1	P	—
2	P	—

Connector No.	M43
Connector Name	JOINT CONNECTOR-M17
Connector Color	WHITE



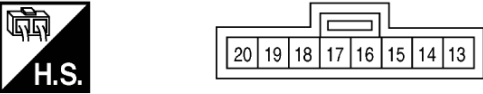
Terminal No.	Color of Wire	Signal Name
1	L	–
2	L	–

Connector No.	M84
Connector Name	WIRE TO WIRE
Connector Color	WHITE



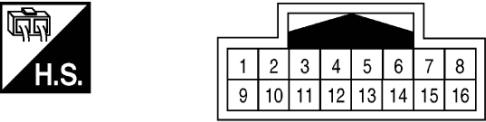
Terminal No.	Color of Wire	Signal Name
17	L	–
18	P	–

Connector No.	M149
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	GRAY



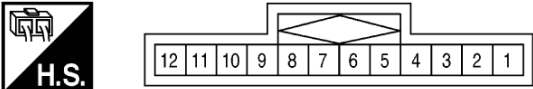
Terminal No.	Color of Wire	Signal Name
13	R	–
16	L	–

Connector No.	E2
Connector Name	WIRE TO WIRE
Connector Color	WHITE



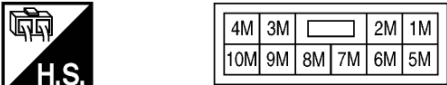
Terminal No.	Color of Wire	Signal Name
1	R	– (EXCEPT FOR MEXICO)
3	W	– (EXCEPT FOR MEXICO)
4	L	– (EXCEPT FOR MEXICO)
12	Y	–
13	LG	–
14	V	–
15	G	– (EXCEPT FOR MEXICO)
16	B	– (EXCEPT FOR MEXICO)

Connector No.	E14
Connector Name	JOINT CONNECTOR-E05
Connector Color	BLACK



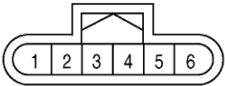
Terminal No.	Color of Wire	Signal Name
1	W	–
3	W	–

Connector No.	E28
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1M	R	–
5M	Y	–
7M	R	–
8M	R	–

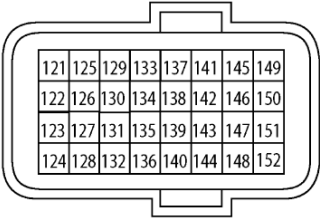
Connector No.	E31
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	G	–
2	R	–

Terminal No.	Color of Wire	Signal Name
3	W	–
4	R	–
5	W	–
6	P	–

Connector No.	E32
Connector Name	ECM (EXCEPT FOR MEXICO)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
121	W	EVAP CONTROL SYSTEM PRESSURE SENSOR
122	–	–
123	P	CAN-L
124	L	CAN-H
125	R	SENSOR POWER SUPPLY (EVAP CONTROL SYSTEM PRESSURE SENSOR)
126	–	–
127	–	–

Terminal No.	Color of Wire	Signal Name
128	BR	FUEL TANK TEMPERATURE SENSOR
129	–	–
130	–	–
131	–	–
132	–	–
133	SB	IGNITION SWITCH
134	G	ASCD STEERING SWITCH
135	R	SENSOR GROUND (ASCD STEERING SWITCH)
136	–	–
137	–	–
138	–	–
139	R	STOP LAMP SWITCH
140	LG	BRAKE PEDAL POSITION SWITCH
141	Y	EVAP CANISTER VENT CONTROL VALVE

Terminal No.	Color of Wire	Signal Name
142	W	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 2)
143	P	ACCELERATOR PEDAL POSITION SENSOR 2
144	G	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 2)
145	LG	POWER SUPPLY FOR ECM
146	R	SENSOR POWER SUPPLY (ACCELERATOR PEDAL POSITION SENSOR 1)
147	B	ECM GROUND
148	LG	SENSOR GROUND
149	B	ECM GROUND
150	W	ACCELERATOR PEDAL POSITION SENSOR 1
151	R	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR)
152	B	ECM GROUND

Connector No.	E33
Connector Name	WIRE TO WIRE
Connector Color	WHITE



5	4			3	2	1
12	11	10	9	8	7	6

Terminal No.	Color of Wire	Signal Name
1	R	—
3	BR	—

Connector No.	E34
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
1	Y	—
2	L	—
3	R	— (EXCEPT FOR MEXICO)
4	LG	— (EXCEPT FOR MEXICO)
5	W	— (EXCEPT FOR MEXICO)
23	LG	—

Connector No.	E38
Connector Name	STOP LAMP SWITCH
Connector Color	WHITE



3	4
1	2

Terminal No.	Color of Wire	Signal Name
1	Y	—
2	R	—

Connector No.	E40
Connector Name	WIRE TO WIRE
Connector Color	BLACK



1
2

Terminal No.	Color of Wire	Signal Name
1	R	—

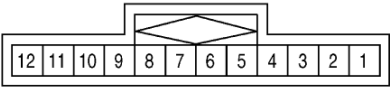
Connector No.	E44
Connector Name	JOINT CONNECTOR-E01
Connector Color	WHITE



11	10	9	8	7	6	5	4	3	2	1
22	21	20	19	18	17	16	15	14	13	12
33	32	31	30	29	28	27	26	25	24	23

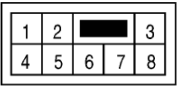
Terminal No.	Color of Wire	Signal Name
12	Y	—
13	Y	—
19	R	—
20	R	—

Connector No.	E45
Connector Name	JOINT CONNECTOR-E12
Connector Color	BLUE



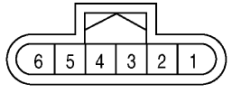
Terminal No.	Color of Wire	Signal Name
1	L	—
2	L	—
4	L	—
7	P	—
8	P	—
10	P	—

Connector No.	E47
Connector Name	WIRE TO WIRE
Connector Color	BROWN



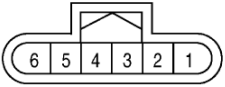
Terminal No.	Color of Wire	Signal Name
1	B	—
2	LG	—
3	B	—

Connector No.	E70
Connector Name	JOINT CONNECTOR-E14
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	P	—
2	P	—

Connector No.	E71
Connector Name	JOINT CONNECTOR-E15
Connector Color	BLACK



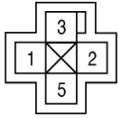
Terminal No.	Color of Wire	Signal Name
1	L	—
2	L	—

Connector No.	E76
Connector Name	BRAKE PEDAL POSITION SWITCH
Connector Color	BROWN



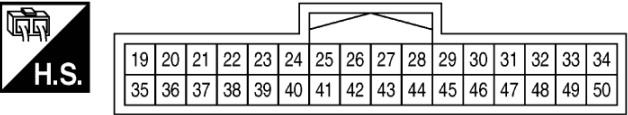
Terminal No.	Color of Wire	Signal Name
1	R	—
2	LG	—

Connector No.	E82
Connector Name	COOLING FAN RELAY
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
1	W	—
2	B	—
3	L	—
5	R	—

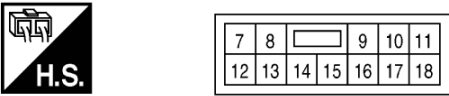
Connector No.	E119
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
27	B	MOTOR FAN RLY MID
28	P	CAN-L
29	L	CAN-H

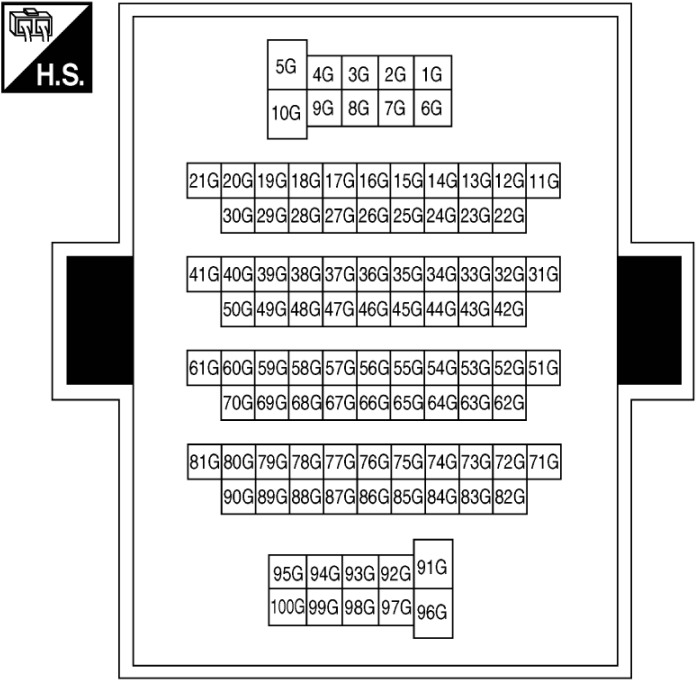
Terminal No.	Color of Wire	Signal Name
21	W	ECM IGN SW
36	W	START IG-E/R
37	W	SHIFT N/P
41	B	GND (SIGNAL)
43	L	IGN SIGNAL
45	LG	PD SENS SIG-E/R
47	Y	PD SENS PWR-E/R
48	V	PD SENS GND-E/R

Connector No.	E121
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	B	GND (POWER)
13	L	ECM VB
15	R	FUEL PUMP

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



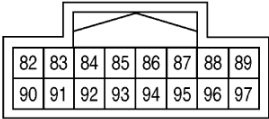
Terminal No.	Color of Wire	Signal Name
35G	P	—
36G	L	—
63G	L	—
80G	G	—
81G	R	—

Connector No.	E201
Connector Name	WIRE TO WIRE
Connector Color	BLACK



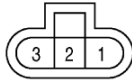
Terminal No.	Color of Wire	Signal Name
1	R	—

Connector No.	E218
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
82	P	PD SENS SIG-FEM
83	G	PD SENS PWR-FEM
86	L	PD SENS GND-FEM
93	V	MOTOR FAN PWM

Connector No.	E225
Connector Name	COOLING FAN CONTROL MODULE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	B	GND
2	V	SIG
3	R	POWER

Connector No.	E244
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Color	BLACK



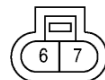
Terminal No.	Color of Wire	Signal Name
1	G	–
2	W	– (EXCEPT FOR MEXICO)
3	R	– (EXCEPT FOR MEXICO)

Connector No.	E245
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-1)
Connector Color	BROWN



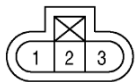
Terminal No.	Color of Wire	Signal Name
4	R	–
5	B	–

Connector No.	E246
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-2)
Connector Color	GRAY



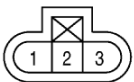
Terminal No.	Color of Wire	Signal Name
6	B	–
7	R	–

Connector No.	F8
Connector Name	IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)
Connector Color	GRAY



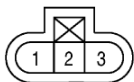
Terminal No.	Color of Wire	Signal Name
1	LG	–
2	B	–
3	W	–

Connector No.	F9
Connector Name	IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)
Connector Color	GRAY



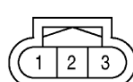
Terminal No.	Color of Wire	Signal Name
1	LG	–
2	B	–
3	W	–

Connector No.	F10
Connector Name	IGNITION COIL NO. 6 (WITH POWER TRANSISTOR)
Connector Color	GRAY



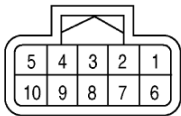
Terminal No.	Color of Wire	Signal Name
1	LG	–
2	B	–
3	W	–

Connector No.	F11
Connector Name	CRANKSHAFT POSITION SENSOR (POS)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	LG	–
2	Y	–
3	L	–

Connector No.	F14
Connector Name	JOINT CONNECTOR-F01
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	BR	– (EXCEPT FOR MEXICO)
3	LG	– (EXCEPT FOR MEXICO)
4	LG	– (EXCEPT FOR MEXICO)
5	LG	– (EXCEPT FOR MEXICO)
6	BR	– (EXCEPT FOR MEXICO)
7	BR	–
9	LG	– (EXCEPT FOR MEXICO)
10	LG	– (EXCEPT FOR MEXICO)

Connector No.	F16
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	–
2	BR	–

Connector No.	F18
Connector Name	FUEL INJECTOR NO. 2
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	LG	–
2	V	–

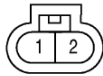
Connector No.	F19
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE



52	53		54	55	
56	57	58	59	60	61

Terminal No.	Color of Wire	Signal Name
52	W	O2SENS #2
53	W	O2SENS #1
54	L	INJECTOR #1
55	W	IGN COIL
57	R	ETC
58	GR	ECM BAT
59	LG	ENG SOL
60	LG	INJECTOR #2

Connector No.	F20
Connector Name	FUEL INJECTOR NO. 4
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	LG	—
2	V	—

Connector No.	F21
Connector Name	CONDENSER-1
Connector Color	WHITE



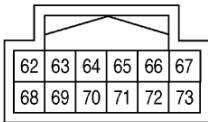
Terminal No.	Color of Wire	Signal Name
1	W	—
2	B	—

Connector No.	F22
Connector Name	FUEL INJECTOR NO. 6
Connector Color	GRAY



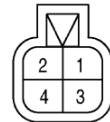
Terminal No.	Color of Wire	Signal Name
1	LG	—
2	V	—

Connector No.	F24
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
63	L	INHIBIT SW
65	G	ETC RLY CONT
66	G	NP SW
69	W	FPR
72	V	SSOFF

Connector No.	F26
Connector Name	WIRE TO WIRE
Connector Color	BLUE



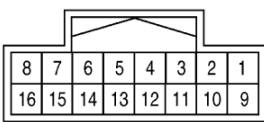
Terminal No.	Color of Wire	Signal Name
1	B	—
2	SHIELD	—
3	W	—
4	SHIELD	—

Connector No.	F30
Connector Name	FUEL INJECTOR NO. 1
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	–
2	Y	–

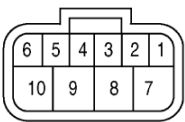
Connector No.	F32
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	– (EXCEPT FOR MEXICO)
3	W	– (EXCEPT FOR MEXICO)
4	L	– (EXCEPT FOR MEXICO)
12	Y	– (EXCEPT FOR MEXICO)

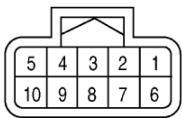
Terminal No.	Color of Wire	Signal Name
13	SB	–
14	V	–
15	B	– (EXCEPT FOR MEXICO)
16	B	– (EXCEPT FOR MEXICO)

Connector No.	F36
Connector Name	TRANSMISSION RANGE SWITCH
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
7	L	–
10	G	–

Connector No.	F38
Connector Name	JOINT CONNECTOR-F02
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	L	–
6	B	–
7	B	–

Connector No.	F41
Connector Name	FUEL INJECTOR NO. 3
Connector Color	GRAY



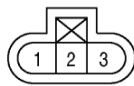
Terminal No.	Color of Wire	Signal Name
1	L	–
2	Y	–

Connector No.	F42
Connector Name	FUEL INJECTOR NO. 5
Connector Color	GRAY



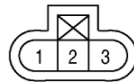
Terminal No.	Color of Wire	Signal Name
1	L	—
2	Y	—

Connector No.	F47
Connector Name	IGNITION COIL NO. 1 (WITH POWER TRANSISTOR)
Connector Color	GRAY



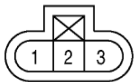
Terminal No.	Color of Wire	Signal Name
1	LG	—
2	B	—
3	W	—

Connector No.	F48
Connector Name	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)
Connector Color	GRAY



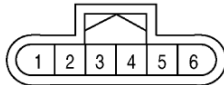
Terminal No.	Color of Wire	Signal Name
1	LG	—
2	B	—
3	W	—

Connector No.	F49
Connector Name	IGNITION COIL NO. 5 (WITH POWER TRANSISTOR)
Connector Color	GRAY



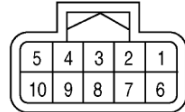
Terminal No.	Color of Wire	Signal Name
1	LG	—
2	B	—
3	W	—

Connector No.	F50
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Color	BLACK



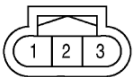
Terminal No.	Color of Wire	Signal Name
1	W	— (EXCEPT FOR MEXICO)
2	G	— (EXCEPT FOR MEXICO)
3	W	—
4	R	—
5	G	—
6	B	— (EXCEPT FOR MEXICO)

Connector No.	F53
Connector Name	JOINT CONNECTOR-F03
Connector Color	BLACK



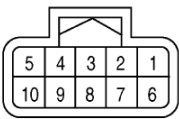
Terminal No.	Color of Wire	Signal Name
1	B	—
2	B	—
6	B	—
7	B	—

Connector No.	F54
Connector Name	ENGINE OIL PRESSURE SENSOR
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	L	– (EXCEPT FOR MEXICO)
2	LG	–
3	Y	–

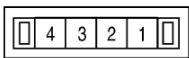
Connector No.	F55
Connector Name	JOINT CONNECTOR-F04
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	LG	– (EXCEPT FOR MEXICO)
3	BR	– (EXCEPT FOR MEXICO)

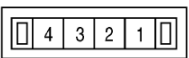
Terminal No.	Color of Wire	Signal Name
4	BR	– (EXCEPT FOR MEXICO)
5	Y	– (EXCEPT FOR MEXICO)
6	LG	– (EXCEPT FOR MEXICO)
7	LG	–
9	BR	– (EXCEPT FOR MEXICO)
10	BR	– (EXCEPT FOR MEXICO)

Connector No.	F56
Connector Name	JOINT CONNECTOR-F07
Connector Color	WHITE



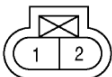
Terminal No.	Color of Wire	Signal Name
1	L	–
2	L	–
3	L	–
4	L	–

Connector No.	F57
Connector Name	JOINT CONNECTOR-F08
Connector Color	WHITE



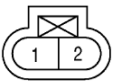
Terminal No.	Color of Wire	Signal Name
1	LG	–
2	LG	–
3	LG	–
4	LG	–

Connector No.	F61
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	BR	–
2	B	–

Connector No.	F64
Connector Name	ELECTRONIC CONTROLLED ENGINE MOUNT CONTROL SOLENOID VALVE
Connector Color	BROWN



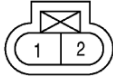
Terminal No.	Color of Wire	Signal Name
1	L	—
2	BR	—

Connector No.	F66
Connector Name	VIAS CONTROL SOLENOID VALVE 1
Connector Color	BLACK



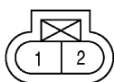
Terminal No.	Color of Wire	Signal Name
1	L	—
2	BR	—

Connector No.	F67
Connector Name	VIAS CONTROL SOLENOID VALVE 2
Connector Color	BLACK



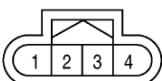
Terminal No.	Color of Wire	Signal Name
1	L	—
2	BR	—

Connector No.	F68
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Color	GRAY



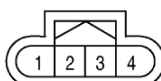
Terminal No.	Color of Wire	Signal Name
1	G	—
2	B	—

Connector No.	F72
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1) (EXCEPT FOR MEXICO)
Connector Color	GRAY



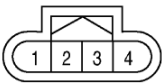
Terminal No.	Color of Wire	Signal Name
1	W	—
2	BR	—
3	W	—
4	B	—

Connector No.	F73
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2) (EXCEPT FOR MEXICO)
Connector Color	GRAY



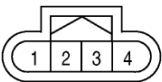
Terminal No.	Color of Wire	Signal Name
1	W	—
2	Y	—
3	W	—
4	B	—

Connector No.	F74
Connector Name	MASS AIR FLOW SENSOR (EXCEPT FOR MEXICO)
Connector Color	BLACK



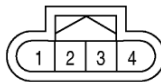
Terminal No.	Color of Wire	Signal Name
1	LG	—
2	BR	—
3	GR	—
4	V	—

Connector No.	F75
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1) (EXCEPT FOR MEXICO)
Connector Color	GRAY



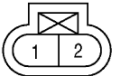
Terminal No.	Color of Wire	Signal Name
1	W	—
2	SB	—
3	W	—
4	B	—

Connector No.	F76
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2) (EXCEPT FOR MEXICO)
Connector Color	GRAY



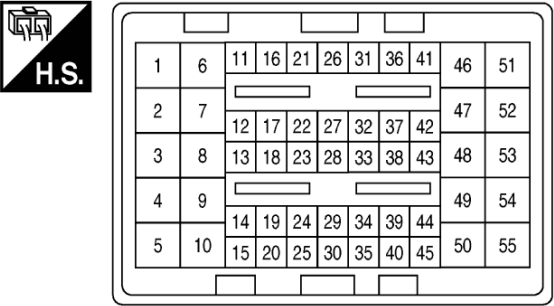
Terminal No.	Color of Wire	Signal Name
1	W	—
2	SB	—
3	L	—
4	B	—

Connector No.	F77
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1) (EXCEPT FOR MEXICO)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	—
2	BR	—

Connector No.	F78
Connector Name	ECM (EXCEPT FOR MEXICO)
Connector Color	BLACK

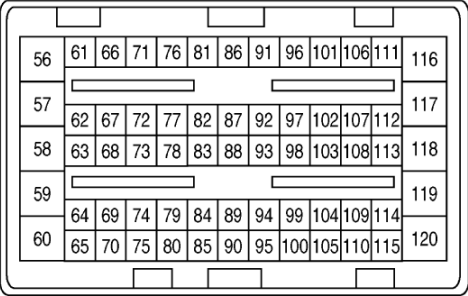


Terminal No.	Color of Wire	Signal Name
1	G	THROTTLE CONTROL MOTOR (CLOSE)
2	R	THROTTLE CONTROL MOTOR POWER SUPPLY
3	W	THROTTLE CONTROL MOTOR (OPEN)
4	GR	KNOCK SENSOR [KNOCK SENSOR (BANK 1), KNOCK SENSOR (BANK 2)]
5	B	KNOCK SENSOR (BANK 1)
6	BR	A/F SENSOR 1 HEATER (BANK 1)
7	SB	HEATED OXYGEN SENSOR 2 (BANK 1)
8	G	THROTTLE CONTROL MOTOR RELAY
9	W	KNOCK SENSOR (BANK 2)
10	B	ECM GROUND
11	Y	FUEL INJECTOR NO. 5
12	V	FUEL INJECTOR NO. 4

Terminal No.	Color of Wire	Signal Name
13	G	ENGINE OIL TEMPERATURE SENSOR
14	LG	ENGINE OIL PRESSURE SENSOR
15	B	SENSOR GROUND (ENGINE OIL PRESSURE SENSOR, ENGINE OIL TEMPERATURE SENSOR)
16	V	FUEL INJECTOR NO. 2
17	Y	FUEL INJECTOR NO. 1
18	Y	SENSOR POWER SUPPLY (ENGINE OIL PRESSURE SENSOR)
19	W	FUEL PUMP RELAY
20	SB	REFRIGERANT PRESSURE SENSOR
21	V	FUEL INJECTOR NO. 6
22	Y	FUEL INJECTOR NO. 3
23	—	—
24	—	—
25	V	SENSOR GROUND (REFRIGERANT PRESSURE SENSOR)
26	—	—
27	—	—
28	LG	SENSOR POWER SUPPLY
29	—	—
30	—	—
31	BR	ENGINE COOLANT TEMPERATURE SENSOR
32	L	HEATED OXYGEN SENSOR 2 (BANK 2)
33	—	—
34	V	INTAKE AIR TEMPERATURE SENSOR

Terminal No.	Color of Wire	Signal Name
35	B	SENSOR GROUND (HEATED OXYGEN SENSOR 2)
36	L	CRANKSHAFT POSITION SENSOR (POS)
37	GR	EXHAUST CAMSHAFT POSITION SENSOR (PHASE) (BANK 1)
38	GR	MASS AIR FLOW SENSOR
39	GR	EXHAUST CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)
40	BR	SENSOR GROUND
41	W	HEATED OXYGEN SENSOR 2 (BANK 1)
42	—	—
43	—	—
44	—	—
45	—	—
46	Y	A/F SENSOR 1 HEATER (BANK 2)
47	SB	HEATED OXYGEN SENSOR 2 HEATER (BANK 2)
48	—	—
49	BR	ELECTRONIC CONTROLLED ENGINE MOUNT CONTROL SOLENOID VALVE
50	—	—
51	L	POWER SUPPLY (VALVE)
52	—	—
53	—	—
54	BR	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
55	B	ECM GROUND

Connector No.	F79
Connector Name	ECM (EXCEPT FOR MEXICO)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
56	–	–
57	–	–
58	SB	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
59	–	–
60	BR	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
61	–	–
62	–	–
63	–	–
64	–	–
65	–	–
66	W	A/F SENSOR 1 (BANK 1)
67	B	A/F SENSOR 1 (BANK 1)
68	–	–
69	–	–
70	GR	ECM GROUND
71	B	THROTTLE POSITION SENSOR 1
72	W	THROTTLE POSITION SENSOR 2

Terminal No.	Color of Wire	Signal Name
73	–	–
74	–	–
75	R	SENSOR GROUND (THROTTLE POSITION SENSOR)
76	W	A/F SENSOR 1 (BANK 2)
77	B	A/F SENSOR 1 (BANK 2)
78	–	–
79	–	–
80	GR	SHIELD (ELECTRIC THROTTLE CONTROL ACTUATOR)
81	–	–
82	–	–
83	W	PNP SIGNAL
84	GR	INTAKE CAMSHAFT POSITION SENSOR (PHASE) (BANK 1)
85	–	–
86	V	ECM RELAY (SELF SHUT-OFF)
87	–	–
88	–	–
89	GR	INTAKE CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)
90	LG	SENSOR GROUND [INTAKE CAMSHAFT POSITION SENSOR (PHASE) (BANK 1), INTAKE CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)]
91	–	–
92	BR	SENSOR POWER SUPPLY [INTAKE CAMSHAFT POSITION SENSOR (PHASE) (BANK 1), INTAKE CAMSHAFT POSITION SENSOR (PHASE) (BANK 2)]
93	–	–

Terminal No.	Color of Wire	Signal Name
94	–	–
95	–	–
96	–	–
97	–	–
98	G	SENSOR POWER SUPPLY (THROTTLE POSITION SENSOR)
99	–	–
100	–	–
101	–	–
102	BR	VIAS CONTROL SOLENOID VALVE 2
103	LG	IGNITION SIGNAL NO. 3
104	LG	IGNITION SIGNAL NO. 6
105	B	ECM GROUND
106	LG	IGNITION SIGNAL NO. 2
107	LG	IGNITION SIGNAL NO. 5
108	BR	VIAS CONTROL SOLENOID VALVE 1
109	–	–
110	B	ECM GROUND
111	–	–
112	–	–
113	LG	IGNITION SIGNAL NO. 1
114	LG	IGNITION SIGNAL NO. 4
115	–	–
116	GR	POWER SUPPLY FOR ECM (BACK-UP)
117	BR	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 1)
118	LG	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE (BANK 1)
119	Y	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
120	R	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE (BANK 2)

Connector No.	F80
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE (BANK 2) (EXCEPT FOR MEXICO)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	–
2	Y	–

Connector No.	F81
Connector Name	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE (BANK 1)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	–
2	LG	–

Connector No.	F82
Connector Name	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE (BANK 2)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	–
2	R	–

Connector No.	F83
Connector Name	EXHAUST VALVE TIMING CONTROL POSITION SENSOR (PHASE) (BANK 1)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	LG	–
2	BR	–
3	GR	–

Connector No.	F84
Connector Name	EXHAUST VALVE TIMING CONTROL POSITION SENSOR (PHASE) (BANK 2)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	LG	–
2	BR	–
3	GR	–

Connector No.	F85
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	L	–
2	BR	–