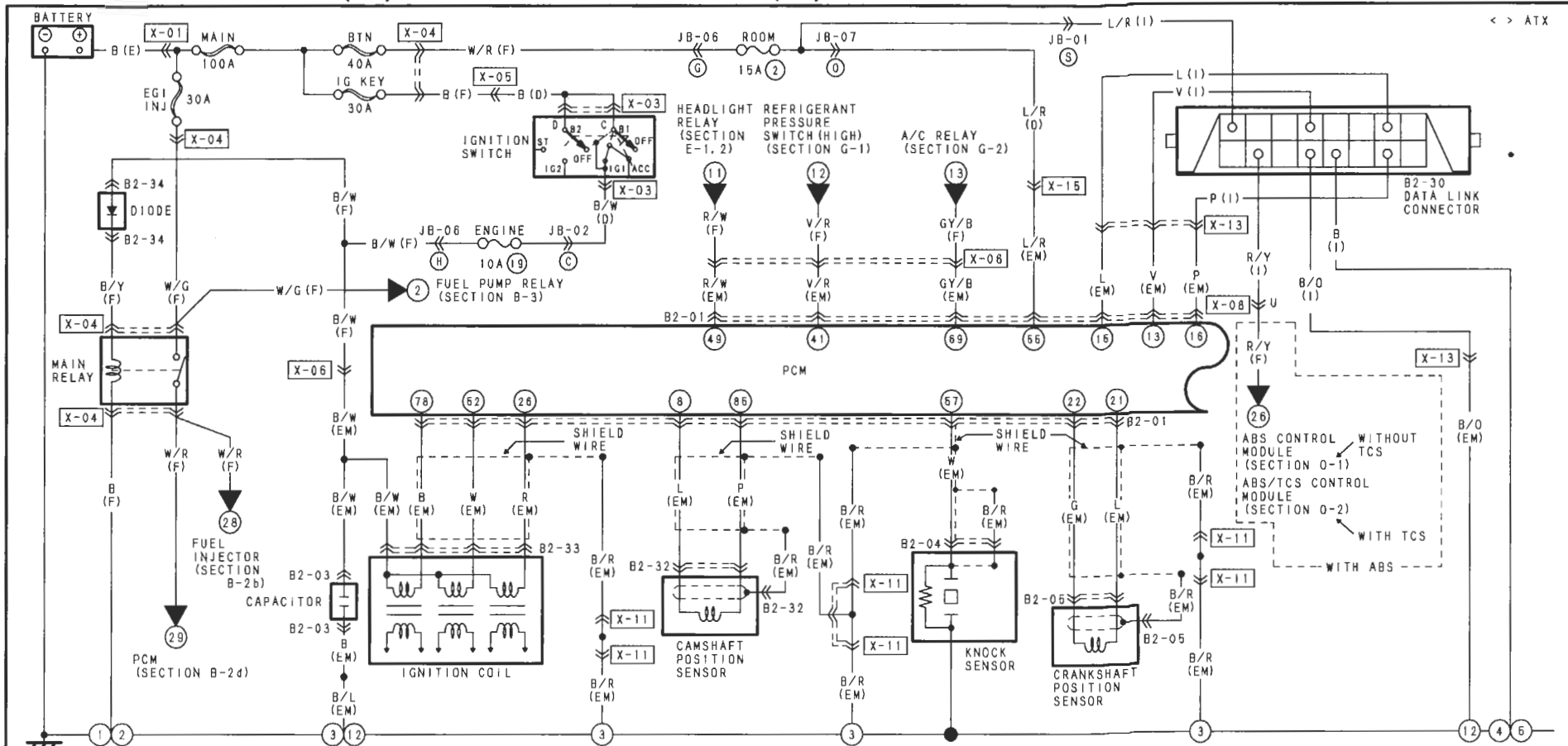


EC-AT CONTROL SYSTEM (KL) / ENGINE CONTROL SYSTEM (KL)

B-2a

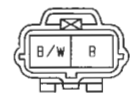
Z WIRING DIAGRAM



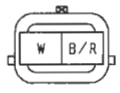
B2-01 PCM (EM)

26	25	24	23*	22	21	20	19	18	17	16	15	14	13	12	11	10	9*	8	7*	5*	5	4	3	2	1*
R	*	B/L	<W>	4	4	L/O	L/Y	LG	GY	P	L	L	3	3	BR/W	V/W	KL/G/B	L	<L/O>	K/R/L	P/B	*	28	27*	
52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37*	36	35	34	33	32*	31	30	29	28*	27*
W	B/L	*	R/W	O/B	*	P/B	L/B	W/B	*	G/O	V/R	*	G/W	D/L	<GY>	BR/R	Y	Y/B	R/B	<R/Y>	L/Y	<*>	KBR/B	<G/B>	<L>
78	77	76	75	74	73	72	71	70	69	68	67	66	65	64<G>	63	62	61	60	59	58	57	56	55	54*	53*
B	B/L	B/R	L	L/R	W	R/Y	R/B	LG/R	GY/B	G	Y/L	O	* LG/B	G/Y	P/G	G	R	*	GY/L	W	O/B	L/R	<L/R>	<G>	
104	103	102	101	100	99	98	97	96	95	94	93	92*	91	90	89	88	87	86	85	84*	83	82	81*	80	79*
*	B/L	*	L/W	V	Y/V	W/R	R/B	V/R	BR/B	W/L	BR	<W/G>	B/Y	GY/R	V/Y	R/G	B	*	84*	83	82	81*	80	79*	

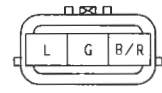
B2-03 CAPACITOR (EM)



B2-04 KNOCK SENSOR (EM)



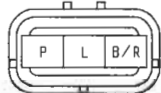
B2-05 CRANKSHAFT POSITION SENSOR (EM)



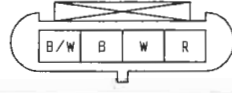
B2-30 DATA LINK CONNECTOR (I)



B2-32 CAMSHAFT POSITION SENSOR (EM)



B2-33 IGNITION COIL (EM)



B2-34 DIODE (F)



NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.

Z-30

HARNESS SYMBOL :  (F)  (E)  (D)  (R)

CRANKSHAFT POSITION SENSOR
Uses the magnetic pickup sensor. Detects crankshaft position and sends signal to PCM.

[GRAY]
CRANKSHAFT POSITION SENSOR
B2-05

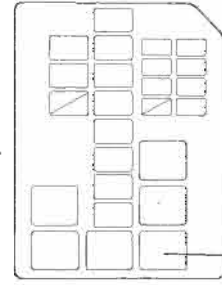
[BLACK]
CAMSHAFT POSITION SENSOR
B2-32

CAMSHAFT POSITION SENSOR
Uses the magnetic pickup sensor. Detects camshaft position and sends signal to PCM.

[BLACK]
CAPACITOR
B2-03

MAIN FUSE
X-01

MAIN FUSE BLOCK



←
FRONT

MAIN RELAY

B2-04
KNOCK SENSOR
[GRAY]

KNOCK SENSOR
Detects knocking and sends signal to PCM.

B2-33
IGNITION COIL
IGNITION COIL
Provides high voltage pulse to spark plugs.

WITH ABS → ①
WITHOUT ABS → ①

X-06
(F)-(EM)

Z-31

DIODE
B2-34

(F)-(I)
X-08

(EM)-(D)
X-15

(EM)-(I)
X-13

DATA LINK CONNECTOR
B2-30

(F)-(I)
X-08

[BLUE]
(F)-(D)
X-05

IGNITION SWITCH
X-03

JOINT BOX
(REFER TO JB SECTION)

B2-01
PCM
PCM
Uses information from various sensors/actuators to control powertrain (engine/transaxle) operation.

X-11
JOINT CONNECTOR

X-13
(EM)-(I)

WIRING DIAGRAM Z

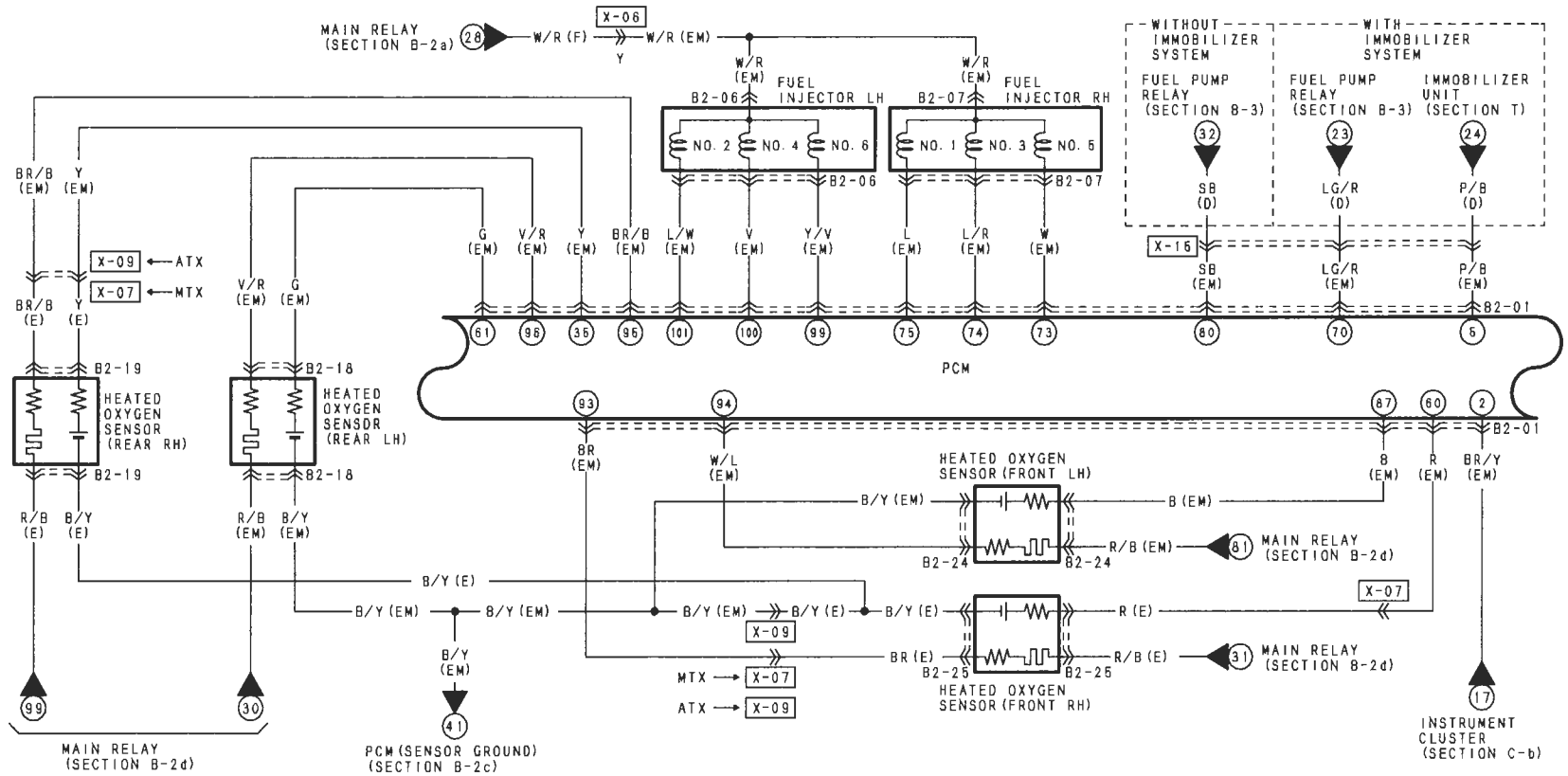
B-2a

EC-AT CONTROL SYSTEM (KL) / ENGINE CONTROL SYSTEM (KL)

B-2b

Z WIRING DIAGRAM

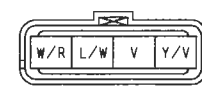
< > ATX



B2-01 PCM (EM)

26	25	24	23*	22	21	20	19	18	17	16	15	14	13	12	11	10	9*	8	7*	6*	5	4	3	2	1*
R	*	B/L	<W>	G	L	L/D	L/Y	LG	GY	P	L	#	V	*	BR/W	V/W	<LG/B>	L	<L/O>	<R/L>	P/B	*	*	BR/Y	<L/B>
52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37*	36	35	34	33	32*	31	30	28*	28*	27*
W	B/L	*	R/W	O/B	*	P/B	L/B	W/B	*	G/O	V/R	*	G/W	D/L	<GY>	BR/R	Y	Y/B	R/B	<R/Y>	L/Y	<#>	<BR/B>	<G/B>	<L>
78	77	76	75	74	73	72	71	70	69	68	67	66	65	64<O>	63	62	61	60	59	58	57	56	55	54*	53*
B	B/L	B/R	L	L/R	W	R/Y	R/B	LG/R	GY/B	G	Y/L	O	* LG/B	G/Y	P/G	G	R	*	GY/L	W	D/B	L/R	<LG/R>	<G>	
104	103	102	101	100	99	98	97	96	95	94	93	92*	91	90	89	88	87	86	85	84*	83	82	81*	80	79*
*	B/L	*	L/W	V	Y/V	W/R	R/B	V/R	BR/B	W/L	BR	<W/G>	B/Y	GY/R	V/Y	R/G	B	*	P		G/R	P/B	<L/W>	SB	<GY/B>

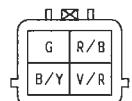
B2-06 FUEL INJECTOR LH (EM)



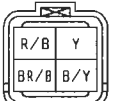
B2-07 FUEL INJECTOR RH (EM)



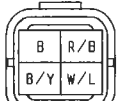
B2-18 HEATED OXYGEN SENSOR (REAR LH) (EM)



B2-19 HEATED OXYGEN SENSOR (REAR RH) (EM)



B2-24 HEATED OXYGEN SENSOR (FRONT LH) (EM)



B2-25 HEATED OXYGEN SENSOR (FRONT RH) (EM)



Z-32

FUEL INJECTOR
Controlled by PCM meters fuel to engine.

[GRAY]
FUEL INJECTOR RH
B2-07

[GRAY]
FUEL INJECTOR LH
B2-06

[BLACK]
(EM)-(E)
X-09

[BLACK]
(EM)-(E)
X-07

[BLACK]
HEATED OXYGEN SENSOR
(FRONT RH)
B2-25

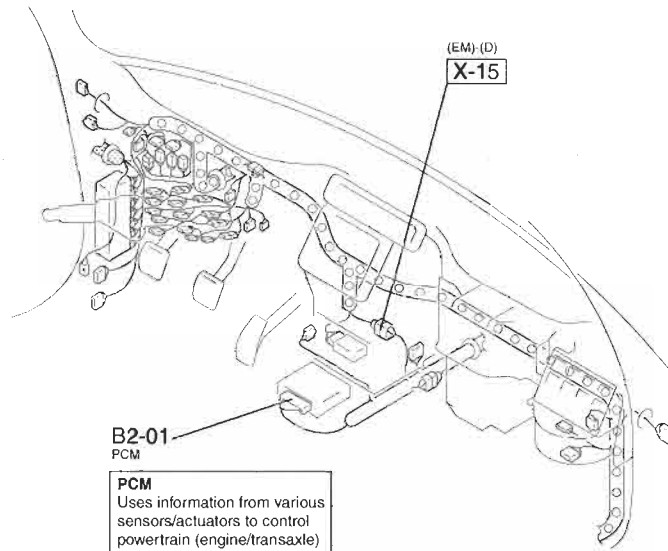
HEATED OXYGEN SENSOR
Upstream side to catalytic converter:
Detects exhaust gas condition (Air/Fuel ratio)
and sends signal to PCM.
Downstream side to catalytic converter:
Detects deterioration of catalytic converter.

B2-19
HEATED OXYGEN SENSOR
(REAR RH)

B2-24
HEATED OXYGEN SENSOR
(FRONT LH)
[BLACK]

X-06
(F)-(EM)

B2-18
HEATED OXYGEN SENSOR
(REAR LH)



PCM
Uses information from various
sensors/actuators to control
powertrain (engine/transaxle)
operation.

Z-33

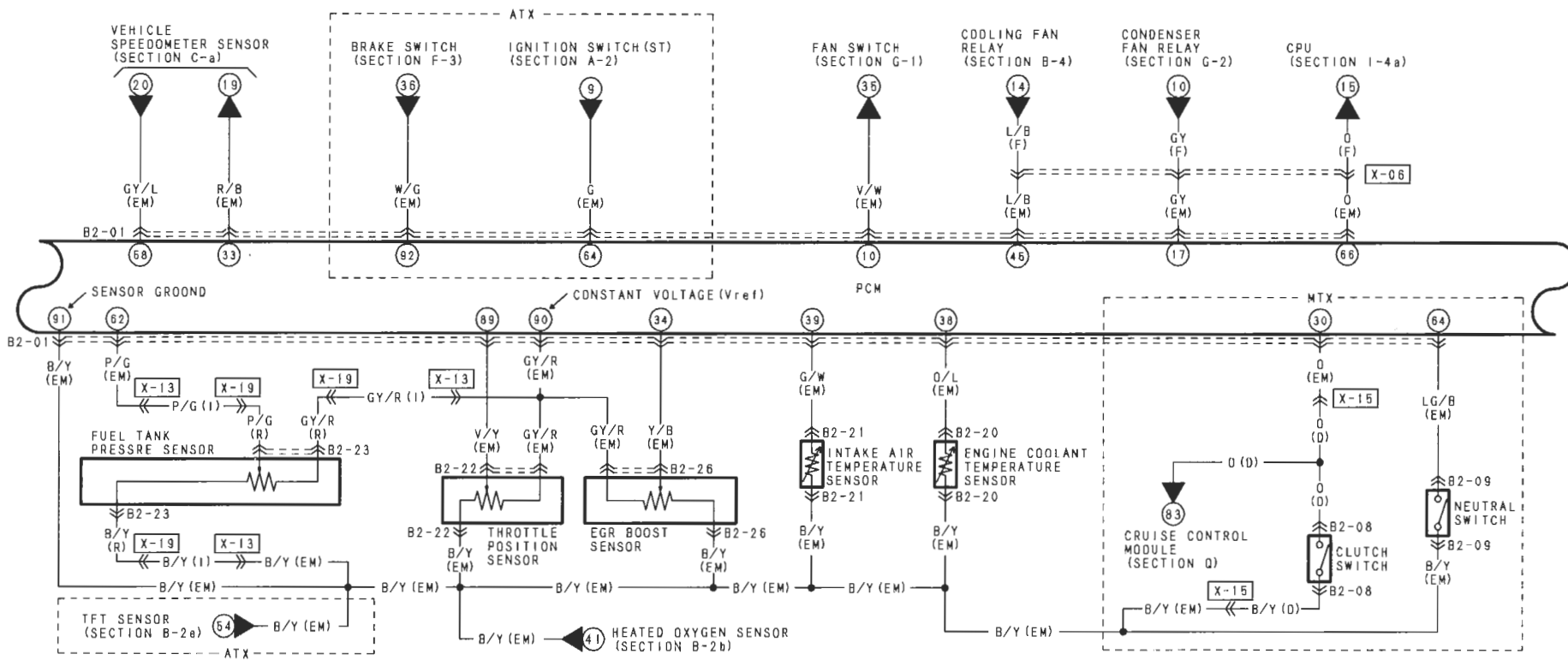
WIRING DIAGRAM Z

EC-AT CONTROL SYSTEM (KL) / ENGINE CONTROL SYSTEM (KL)

B-2c

Z WIRING DIAGRAM

< > ATX

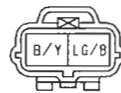
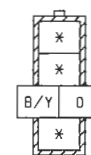


B2-01 PCM (EM)

26	25	24	23*	22	21	20	19	18	17	16	15	14	13	12	11	10	9*	8	7*	6*	5	4	3	2	1*
R	*	B/L	<W>	G	L	I/D	L/Y	LG	Y	P	L	*	V	*	BR/W	V/W	<LG/B>	L	<L/O>	<R/L>	P/B	*	*	BR/Y	<L/B>
52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37*	36	35	34	33	32*	31	30	29*	28*	27*
W	B/L	*	R/W	O/B	*	P/B	L/B	W/B	*	G/D	V/R	*	G/W	Q/L	<GY>	BR/R	Y	Y/B	R/R	<R/Y>	L/Y	<*>	BR/B	<G/B>	<L>
78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54*	53*
B	B/L	B/R	L	L/R	W	R/Y	R/B	LG/R	GY/B	G	Y/L	O	*	LG/B	G/Y	P/G	G	R	*	GY/L	W	O/B	L/R	<LG/R>	<G>
104	103	102	101	100	99	98	97	96	95	94	93	92*	91	90	89	88	87	86	85	84*	83	82	81*	80	79*
*	B/L	*	L/W	V	Y/V	W/R	R/B	V/R	BR/B	W/L	BR	<W/G>	B/Y	GY/R	V/Y	R/G	B	*	P		G/R	P/B	<L/W>	S/B	<G/V/B>

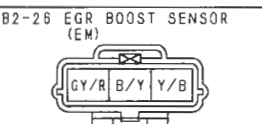
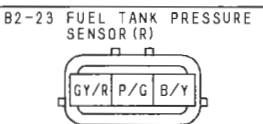
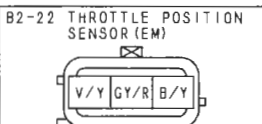
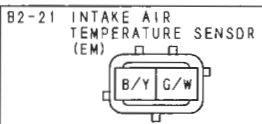
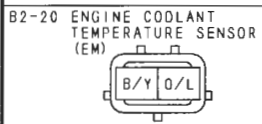
B2-08 CLUTCH SWITCH (D)

B2-09 NEUTRAL SWITCH (EM)



(MTX)

(MTX)



HARNESS SYMBOL :  (F)  (E)  (D)  (R)

ENGINE COOLANT TEMPERATURE SENSOR
Detects engine coolant temperature and sends signal to PCM.

ENGINE COOLANT TEMPERATURE SENSOR
B2-20

[GRAY]
EGR BOOST SENSOR
B2-26

THROTTLE POSITION SENSOR
B2-22

THROTTLE POSITION SENSOR
Detects throttle opening angle and sends signal to PCM.

INTAKE AIR TEMPERATURE SENSOR
B2-21

INTAKE AIR TEMPERATURE SENSOR
Detects intake air temperature and sends signal to PCM.

[BLACK]
CLUTCH SWITCH
B2-08

CLUTCH SWITCH
Opened with clutch pedal depressed, Sends signal to PCM, ABS control module.

(EM)-(D)
X-15

(EM)-(I)
X-13

B2-09
NEUTRAL SWITCH
[BLACK]

NEUTRAL SWITCH
Opened when gear is in neutral position or clutch pedal is depressed. Sends signal to PCM, ABS control module.

B2-01
PCM

PCM
Uses information from various sensors/actuators to control powertrain (engine/transaxle) operation.

X-06
(F)-(EM)

X-19
(I)-(R)

X-13
(EM)-(I)

(I)-(R)
X-19

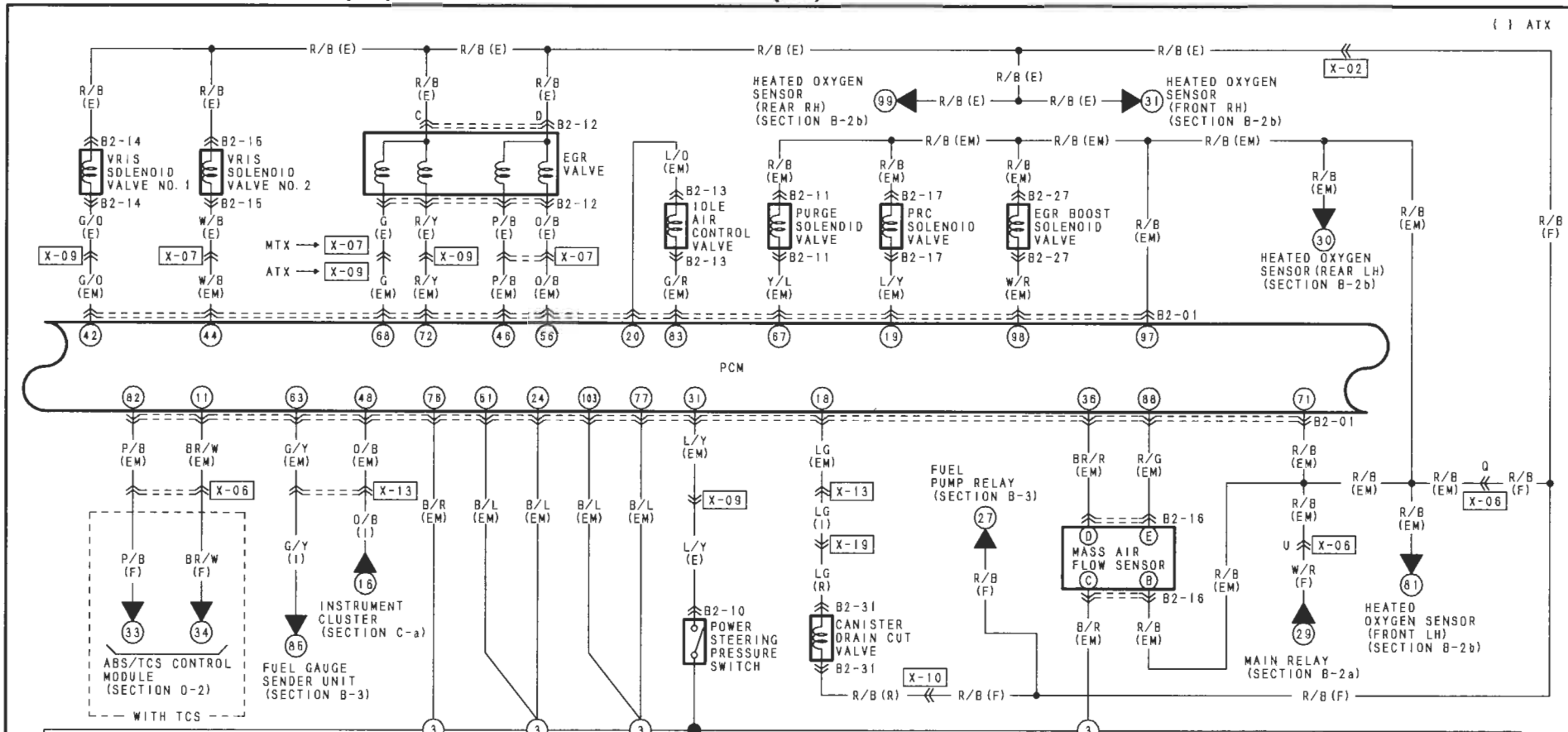
B2-23
FUEL TANK PRESSURE SENSOR
[BLACK]
(NOTE: ABOVE THE REAR CROSSMEMBER)

FUEL TANK PRESSURE SENSOR
Detects fuel tank pressure and sends signal to PCM. This signal is used for evaporative system monitoring.

EC-AT CONTROL SYSTEM (KL) / ENGINE CONTROL SYSTEM (KL)

B-2d

Z WIRING DIAGRAM



B2-01 PCM (EM)													B2-10 POWER STEERING PRESSURE SWITCH (E)		B2-11 PURGE SOLENOID VALVE (EM)										
26	26	24	23*	22	21	20	19	18	17	16	15	14	13	12	11	10	9*	8	7*	6*	5	4	3	2	1*
R	*	B/L	<W>	G	L	L/O	L/Y	LG	GY	P	L	*	V	*	BR/W	V/W	<LG/B>	L	<L/O>	<R/L>	P/B	*	*	BR/Y	<L/B>
52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37*	36	35	34	33	32*	31	30	29	28*	27*
W	B/L	*	R/W	O/B	*	P/B	R/L	B/W	*	G/O	V/R	*	G/W	O/L	<GY>	BR/R	Y	Y/B	R/B	<R/Y>	L/Y	<*>	<BR/B>	<G/B>	<L>
78	77	76	75	74	73	72	71	70	69	68	67	66	65	64<O>	63	62	61	60	59	58	57	56	55	54*	53*
B	B/L	B/R	L	L/R	W	R/Y	R/L	B/R	LG/R	GY/B	G	Y/L	Q	* LG/B	G/Y	P/G	G	R	59	58	57	56	55	54*	53*
104	103	102	101	100	99	98	97	96	95	94	93	92*	91	90	89	88	87	86	85	84*	83	82	81*	80	79*
*	B/L	*	L/W	V	Y/V	W/R	R/B	V/R	BR/B	W/L	BR	<W/G>	B/Y	GY/R	V/Y	R/G	B	*	P		G/R	P/B	<L/W>	SB	<G/B>
B2-14 VRIS SOLENOID VALVE NO. 1 (EM)													B2-15 VRIS SOLENOID VALVE NO. 2 (EM)		B2-16 MASS AIR FLOW SENSOR (EM)				B2-17 PRC SOLENOID VALVE (EM)		B2-27 EGR BOOST SOLENOID VALVE (EM)		B2-31 CANISTER DRAIN CUT VALVE (R)		
G/O R/B		W/B R/B		E D C B				L/Y R/B		W/R R/B		LG R/B													

Z-36



HARNESS SYMBOL :  (F)  (E)  (D)  (R)

POWER STEERING PRESSURE SWITCH
Power steering pressure switch signals PCM to increase idle speed to prevent engine from stalling.

POWER STEERING PRESSURE SWITCH
B2-10

[BLUE]
VRIS SOLENOID VALVE NO.1
B2-14

VRIS SOLENOID VALVE NO.2
B2-15

[BLACK]
(EM)-(E)
X-09

[BLACK]
(EM)-(E)
X-07

[GRAY]
EGR VALVE
B2-12

IDLE AIR CONTROL VALVE
B2-13

B2-17
PRC SOLENOID VALVE
[BROWN]

B2-27
EGR BOOST SOLENOID VALVE

B2-16
MASS AIR FLOW SENSOR

MASS AIR FLOW SENSOR
Detects mass air flow amount and sends signal to PCM.

X-06
(F)-(EM)

X-02
(F)-(E)

B2-11
PURGE SOLENOID VALVE
[BLACK]

(F)-(R)
X-10

(EM)-(I)
X-13

B2-01
PCM

PCM
Uses information from various sensors/actuators to control powertrain (engine/transaxle) operation.

X-19
(I)-(R)

X-13
(EM)-(I)

(F)-(R)
X-10

(I)-(R)
X-19

B2-31
CANISTER DRAIN CUT VALVE
[BLACK]
(NOTE ABOVE THE REAR CROSSMEMBER)

WIRING DIAGRAM Z

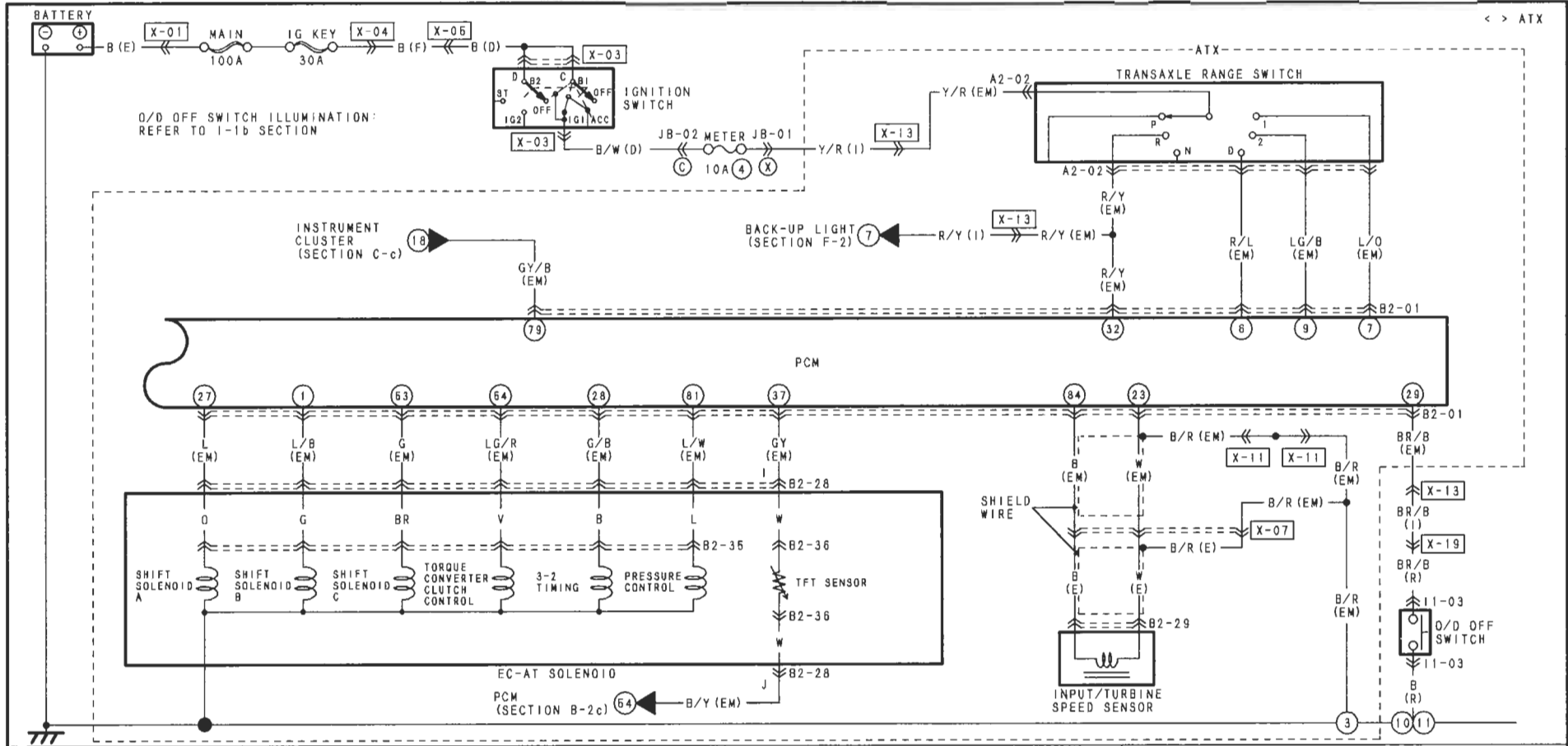
B-2d

Z-37

EC-AT CONTROL SYSTEM (KL) / ENGINE CONTROL SYSTEM (KL)

B-2e

Z WIRING DIAGRAM

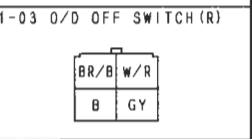
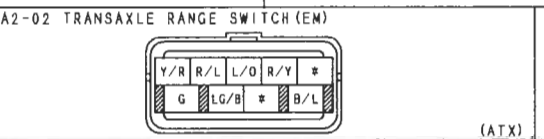
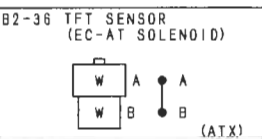
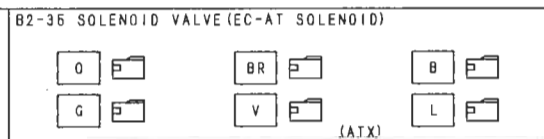
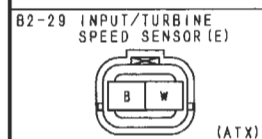
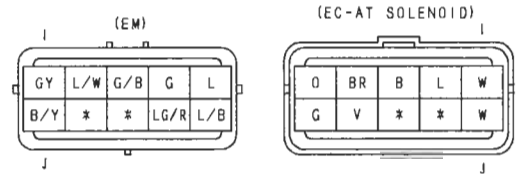


Z-38

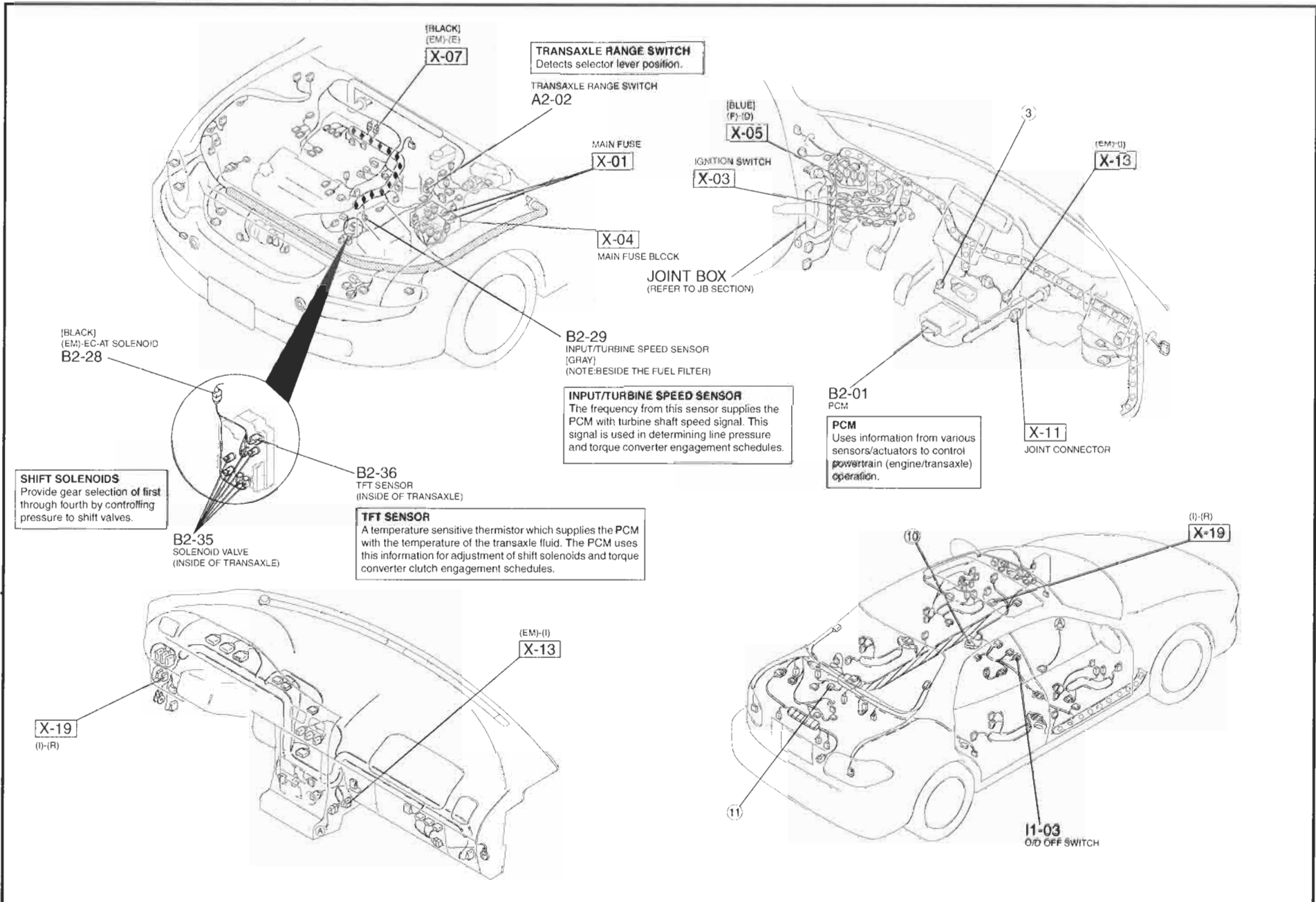
B2-01 PCM (EM)

26	25	24	23*	22	21	20	19	18	17	16	15	14	13	12	11	10	9*	8	7*	6*	6	4	3	2	1*
R	*	B/L	<W>	G	L	L/O	L/Y	LG	GY	P	L	*	V	BR/W	V/W	<LG/B>	L	<L/O>	<R/L>	P/B	*	*	BR/Y	<L/B>	
52	51	60	49	48	47	46	45	44	43	42	41	40	39	38	37*	36	35	34	33	32*	31	30	29*	28*	27*
W	B/L	*	R/W	O/B	*	P/B	L/B	W/B	*	G/D	V/R	*	G/W	O/L	<GY>	BR/R	Y	Y/B	R/B	<R/Y>	L/Y	<*>	BR/B	<G/B>	<L>
78	77	76	75	74	73	72	71	70	69	68	67	66	65	64<G>	63	62	61	60	59	58	57	56	55	54*	53*
B	B/L	B/R	L	L/R	W	R/Y	R/B	LG/R	GY/B	G	Y/L	O	* LG/B	G/Y	P/G	G	R	*	GY/L	W	O/B	L/R	<LG/R>	<G>	
104	103	102	101	100	99	98	97	96	95	94	93	92*	91	90	89	88	87	86	85	84*	83	82	81*	80	79*
*	B/L	*	L/W	V	Y/V	W/R	R/B	V/R	BR/B	W/L	BR	<W/G>	B/Y	GY/R	V/Y	R/G	B	*	P		G/R	P/B	<L/W>	SB	<GY/B>

B2-28 EMISSION (EM) - EC-AT SOLENOID

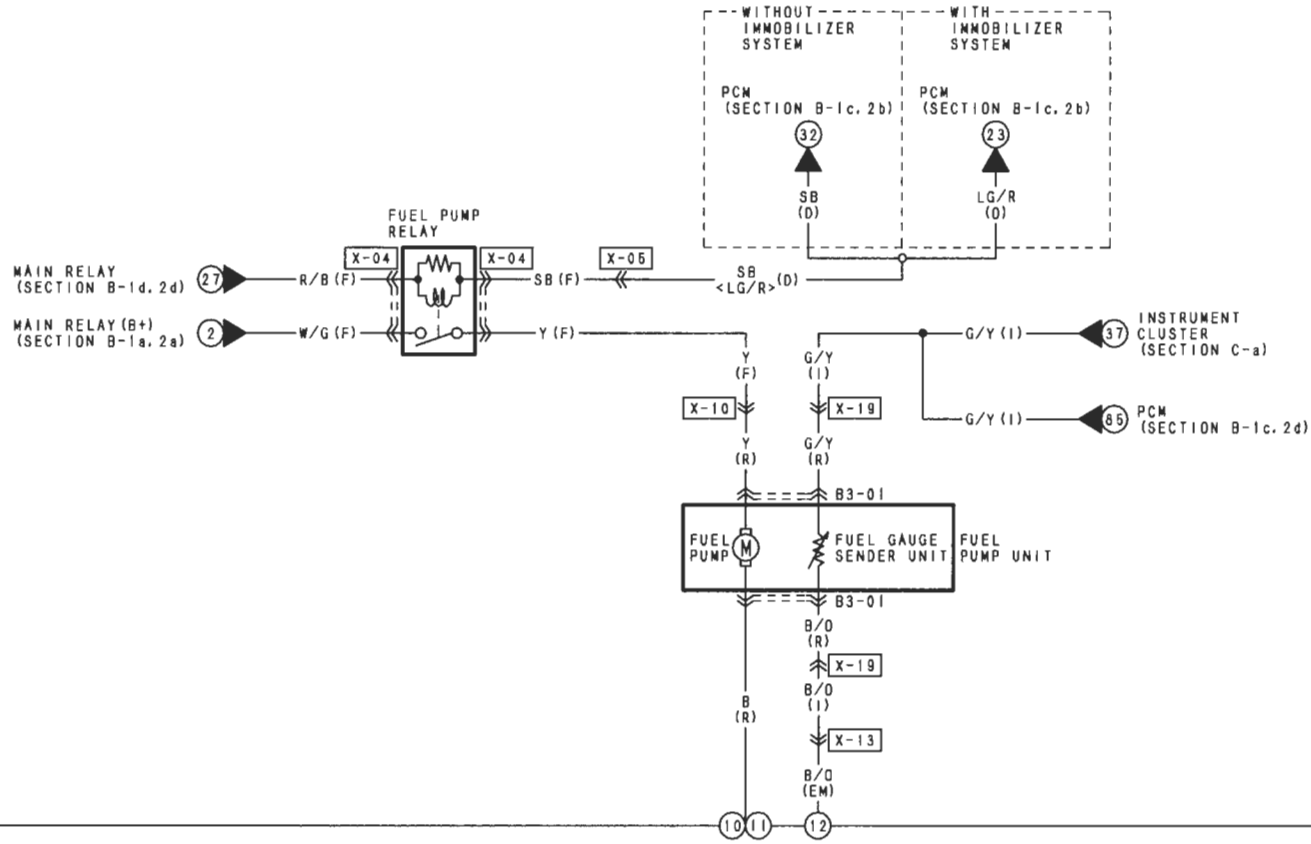


Z-39



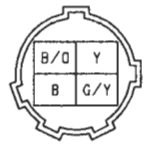
WIRING DIAGRAM Z

< > WITH IMMOBILIZER SYSTEM

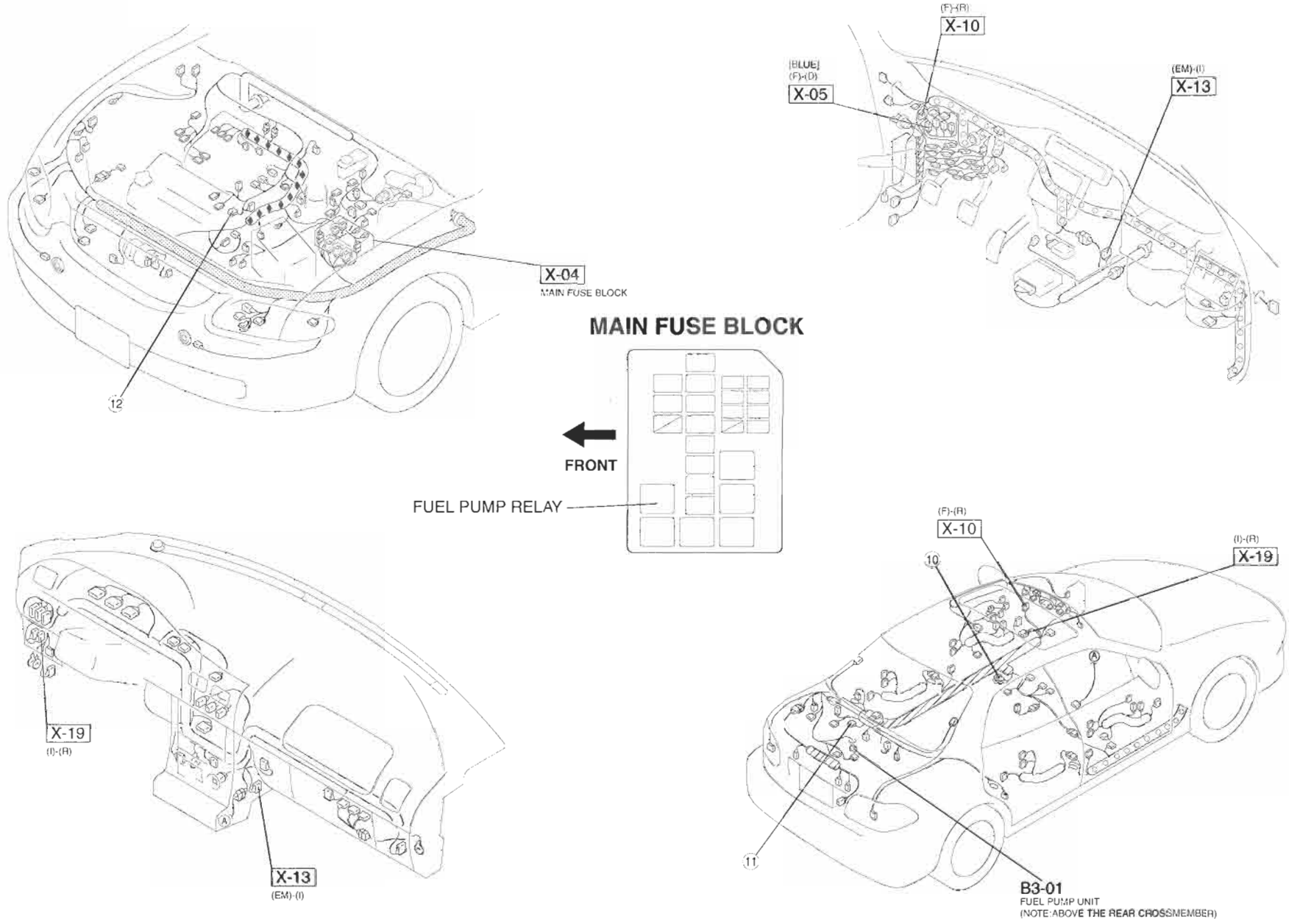


Z-40

B3-01 FUEL PUMP UNIT (R)



HARNESS SYMBOL :  (F)  (E)  (D)  (R)



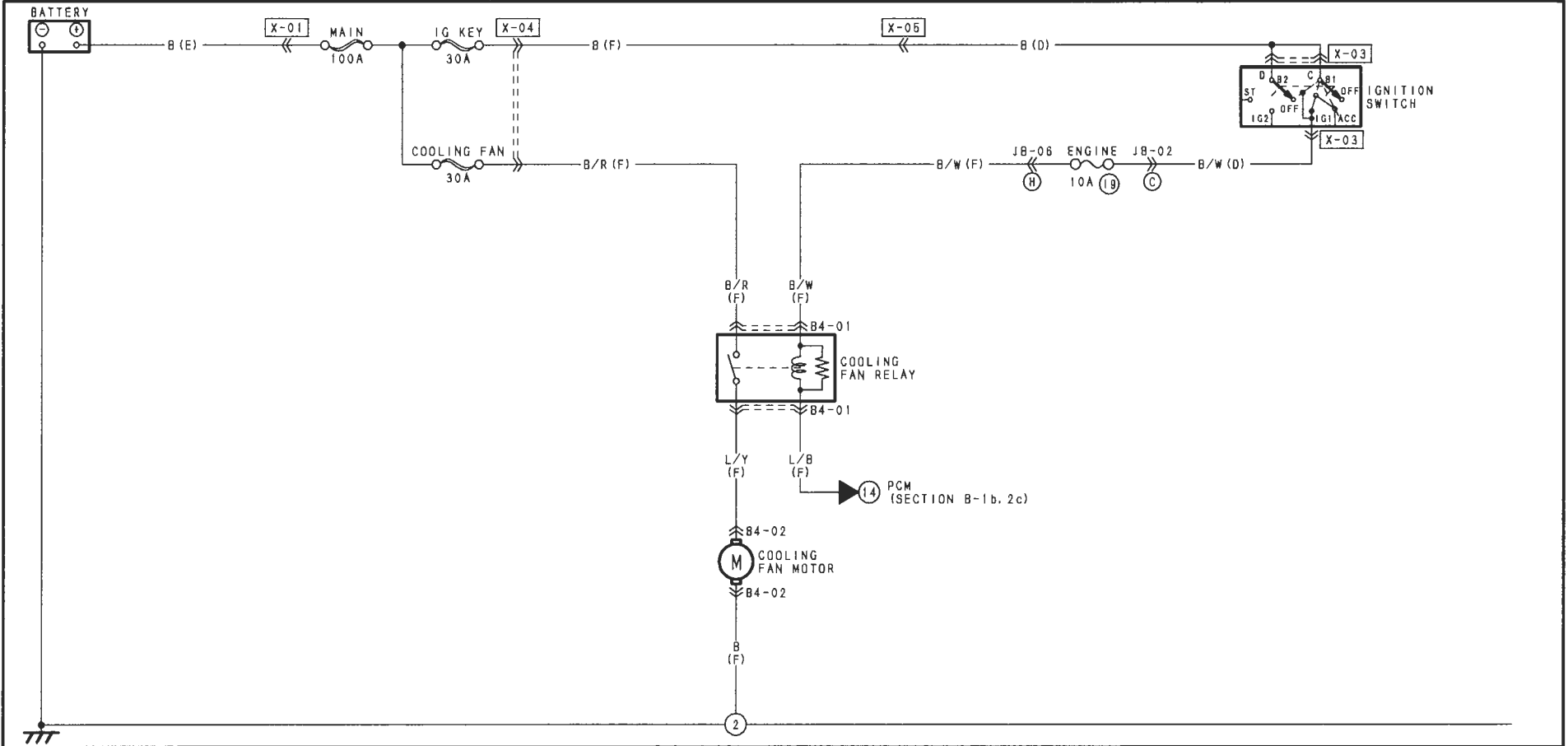
Z-41

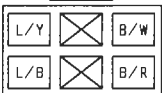
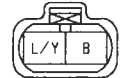
WIRING DIAGRAM Z

COOLING FAN SYSTEM

B-4

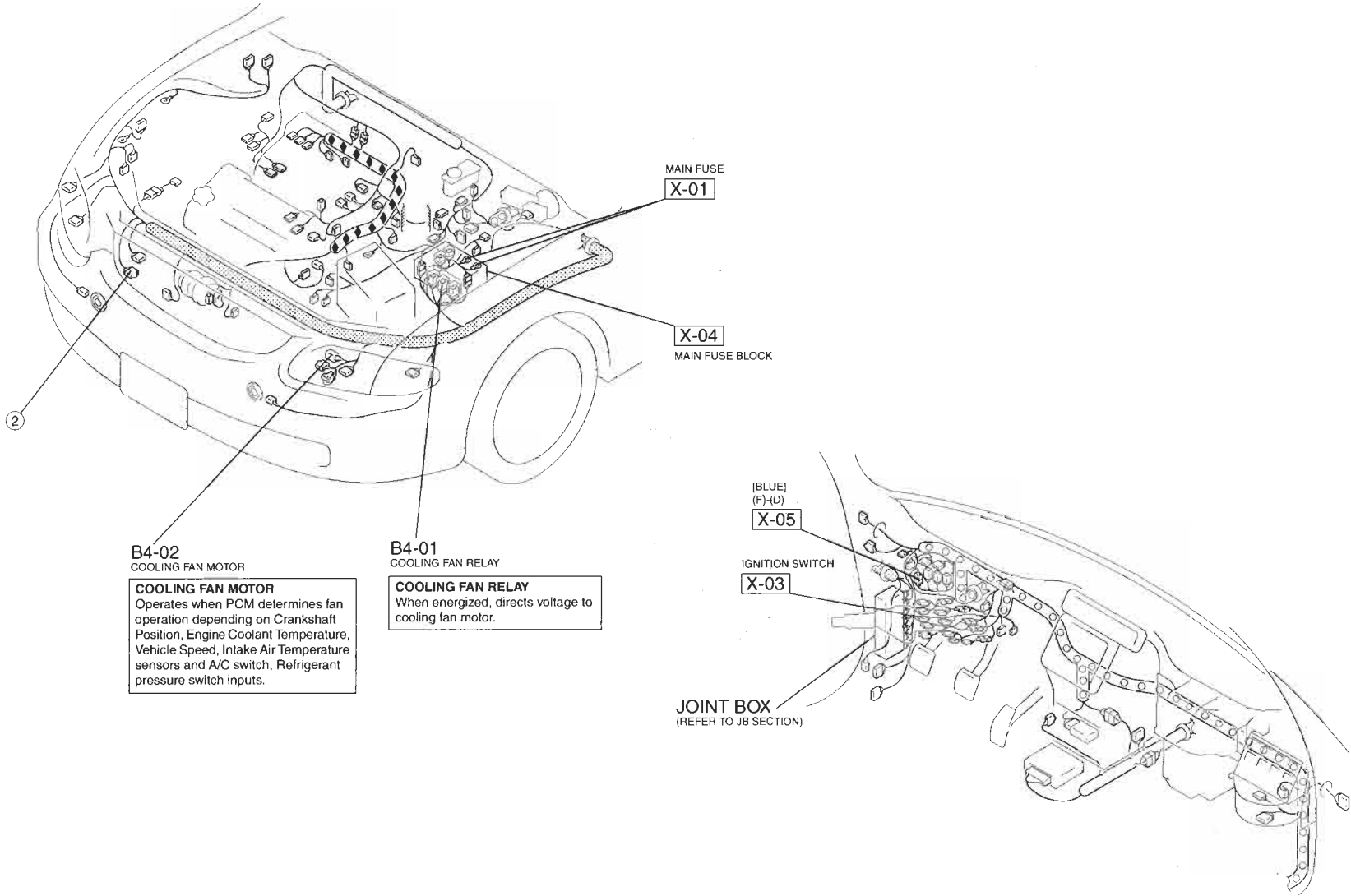
Z WIRING DIAGRAM



<p>B4-01 COOLING FAN RELAY (F)</p> 	<p>B4-02 COOLING FAN MOTOR (F)</p> 				

Z-42

HARNESS SYMBOL :  (F)  (E)  (D)  (R)



B4-02
COOLING FAN MOTOR

COOLING FAN MOTOR
Operates when PCM determines fan operation depending on Crankshaft Position, Engine Coolant Temperature, Vehicle Speed, Intake Air Temperature sensors and A/C switch, Refrigerant pressure switch inputs.

B4-01
COOLING FAN RELAY

COOLING FAN RELAY
When energized, directs voltage to cooling fan motor.

MAIN FUSE
X-01

X-04
MAIN FUSE BLOCK

[BLUE]
(F)-(D)
X-05

IGNITION SWITCH
X-03

JOINT BOX
(REFER TO JB SECTION)

Z-43

WIRING DIAGRAM Z

B-4