



RANGER 2000 → 2002 Right-hand-drive (RHD) Wiring Diagrams

FOREWORD

This manual has been prepared to provide information covering normal service repairs and maintenance for the RANGER series.

As all information in this manual was the best available at the time of printing, vehicle specification and other information will be updated in Service Information.

Ford Motor Company

APPLICATION:

This manual is applicable to vehicles beginning with the Vehicle Identification Numbers (VIN) and related materials shown on the following page.

SECTION TITLE	SECTION
General Information	GI
Ground points	Y
Schematic	W
System circuit diagrams / Component Location Views	A~U
Connectors	X
Parts index	PI

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Vehicle identification numbers (VIN) (Chassis numbers)

WF0 LMBD20*W 100001-

WF0 LMBE40*W 100001-

WF0 LMDD20*W 100001-

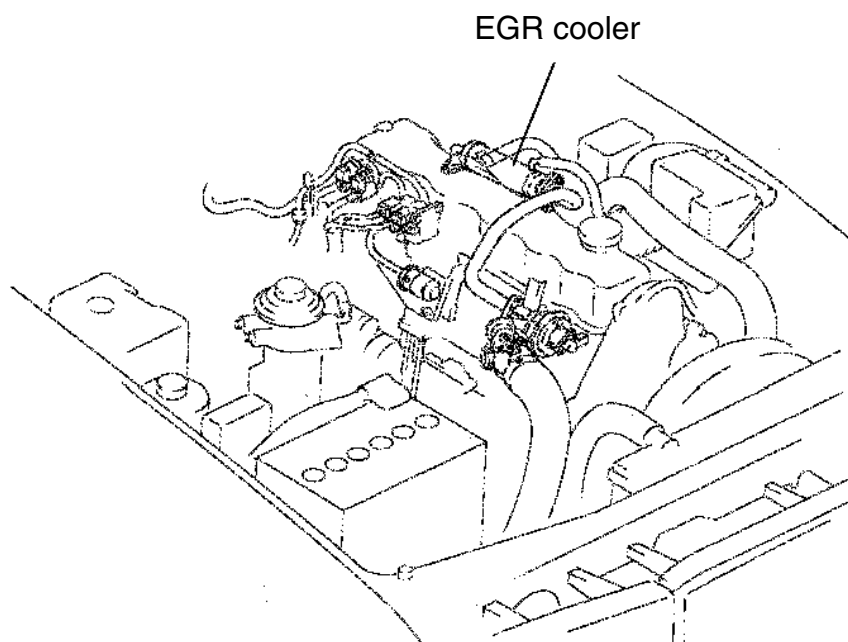
WF0 LMDE40*W 100001-

WF0 LMFE40*W 100001-

Note:

Euro 3 regulation models (WL-3, WLT-3 engines) are equipped with an EGR cooler in the engine compartment.

Non Euro 3 regulation models are not equipped with an EGR cooler in the engine compartment.



Wire colours

Colour	Code	Colour	Code
Black	B	Orange	O
Blue	L	Pink	P
Brown	BR	Purple	PU
Dark blue	DL	Red	R
Dark green	DG	Sky blue	SB
Green	G	Tan	T
Grey	GY	Violet	V
Light blue	LB	White	W
Light green	LG	Yellow	Y
Natural	N		

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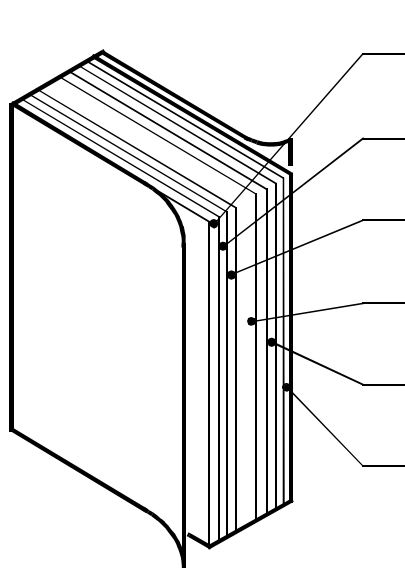
COMMON CONNECTORS LIST

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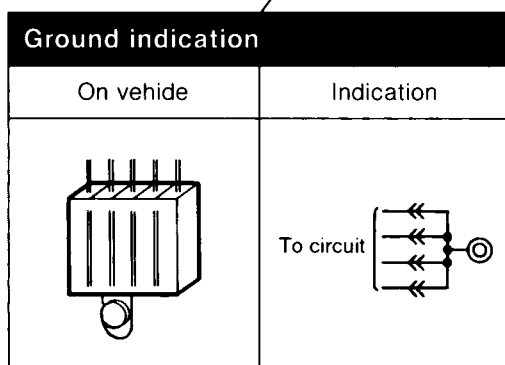
Contents of wiring diagrams

- This wiring diagram comprises the 6 groups shown below.

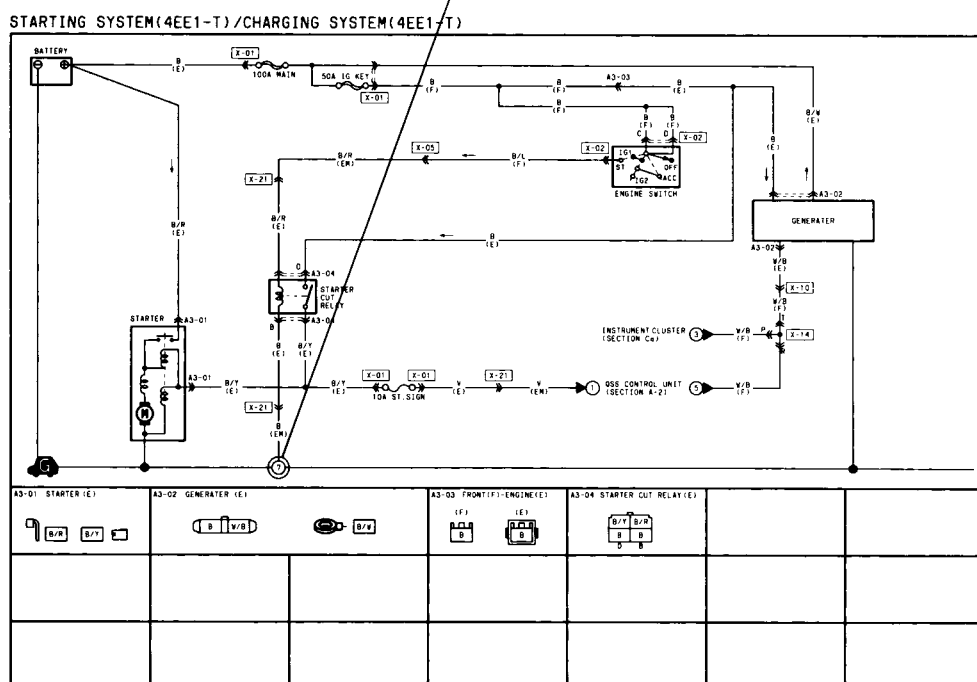


GI	General information	A how-to on using and reading wiring diagrams, using test equipment, checking harnesses and connectors, and finding trouble spots
Y	Ground points	Ground routes from and to the battery
W	Schematic	Shows main fuses and other fuses for each system
A~U	System circuit diagrams / Component location views	Shows circuit and connector diagrams and component and connector location diagrams
X	Connectors	Shows connectors common throughout system
PI	Parts index	Gives page number of circuit diagram for each component

- This shows ground points of the harness.



The ground connection numbers in system circuit diagrams correspond to those in the ground point diagram.



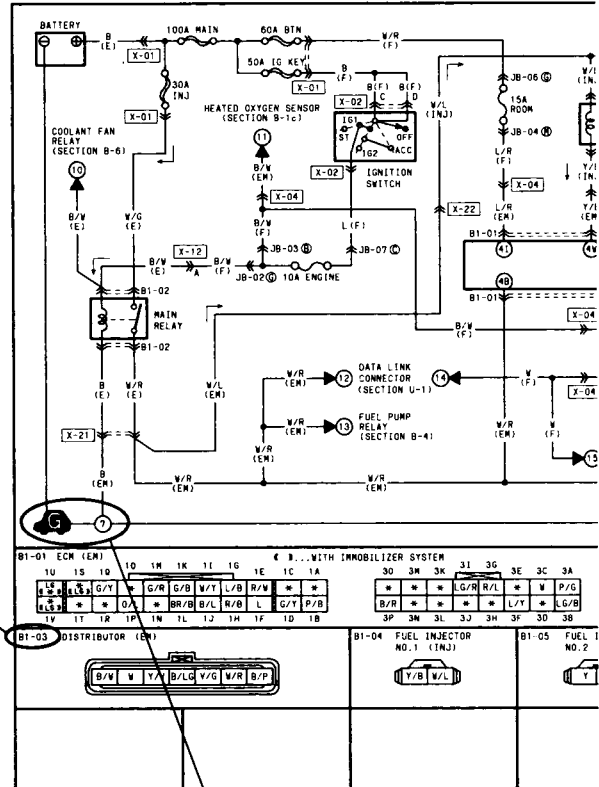
System circuit diagram/connector diagram

- These diagrams show the circuits for each system, from the power supply to the ground. The power supply side is on the upper part of the page, the ground side on the lower part. The diagrams describe circuits with the ignition switch off.

Below is an explanation of the various points in the diagram.

System name

ENGINE CONTROL SYSTEM(B3 CIS)/IGNITION SYSTEM(B3 CI)



Connector code

The prefix letter indicates the system in which the connector is used.

- Y : Ground connector
- A : Charging system/starting system connectors
- B : Engine control system connectors
- C : Gauge control system connectors
- D : Wiper system connectors
- E : Lighting system connectors
- F : Signal system connectors
- G : Air-conditioning system connectors
- H : Transmission control system connectors
- I : Interior light system connectors
- J : Audio/radio connectors
- K : Power window/power door lock system connectors
- L : Remote control mirror system connectors
- M : Sliding sunroof system connectors
- N : Power steering/4-wheel steering system connectors
- O : Anti-lock brake system connectors
- P : Power seat/seat heater system connectors
- Q : Auto cruise control system connectors
- R : Auto adjusting suspension system connectors
- S : Passive shoulder belt control/Airbag system connectors
- T : Others
- U : Data link connector
- X : Common connectors
- JB : Joint box connections

Ground numbers

A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
Harness 	
Unit 	

System code

The number indicates that the circuit continues to the related system diagram.

Current symbol

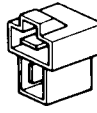
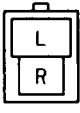
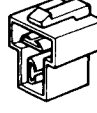
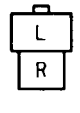
Current flows in the direction of the arrow.

Indicates shielded wire.*

*Shielded wire:
Prevents signal disturbances from electrical interference.
Wire is covered by a metal meshing for grounding.

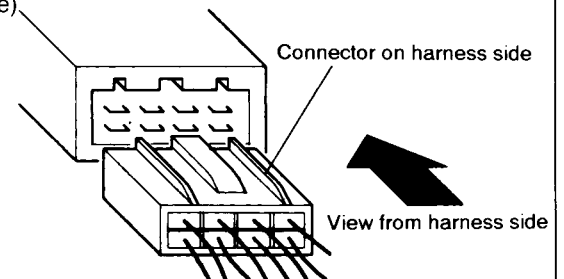
Connector symbols

- Male and female connectors are represented as follows in the circuit and connector diagrams.

		Circuit diagram symbol	Connector diagram symbol
Male			
Female			

- Like connectors are linked by dashed lines between the connector symbols.
- Connector diagrams show connectors on the harness side. The terminal indicates the view from the harness side.

(Example)

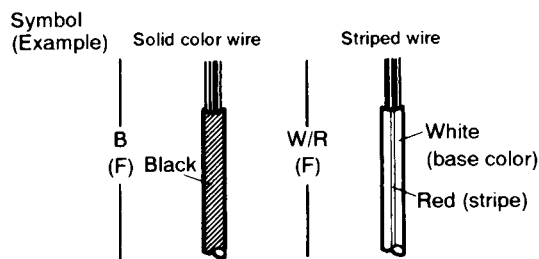


- Colors for connectors except milk-white are given in locations.
- Unused terminals are indicated by *.

Wire color code (harness symbol)

- Two-color wires are indicated by a two-letter symbol. The first indicates the base color of the wire, the second the color of the stripe. For example:

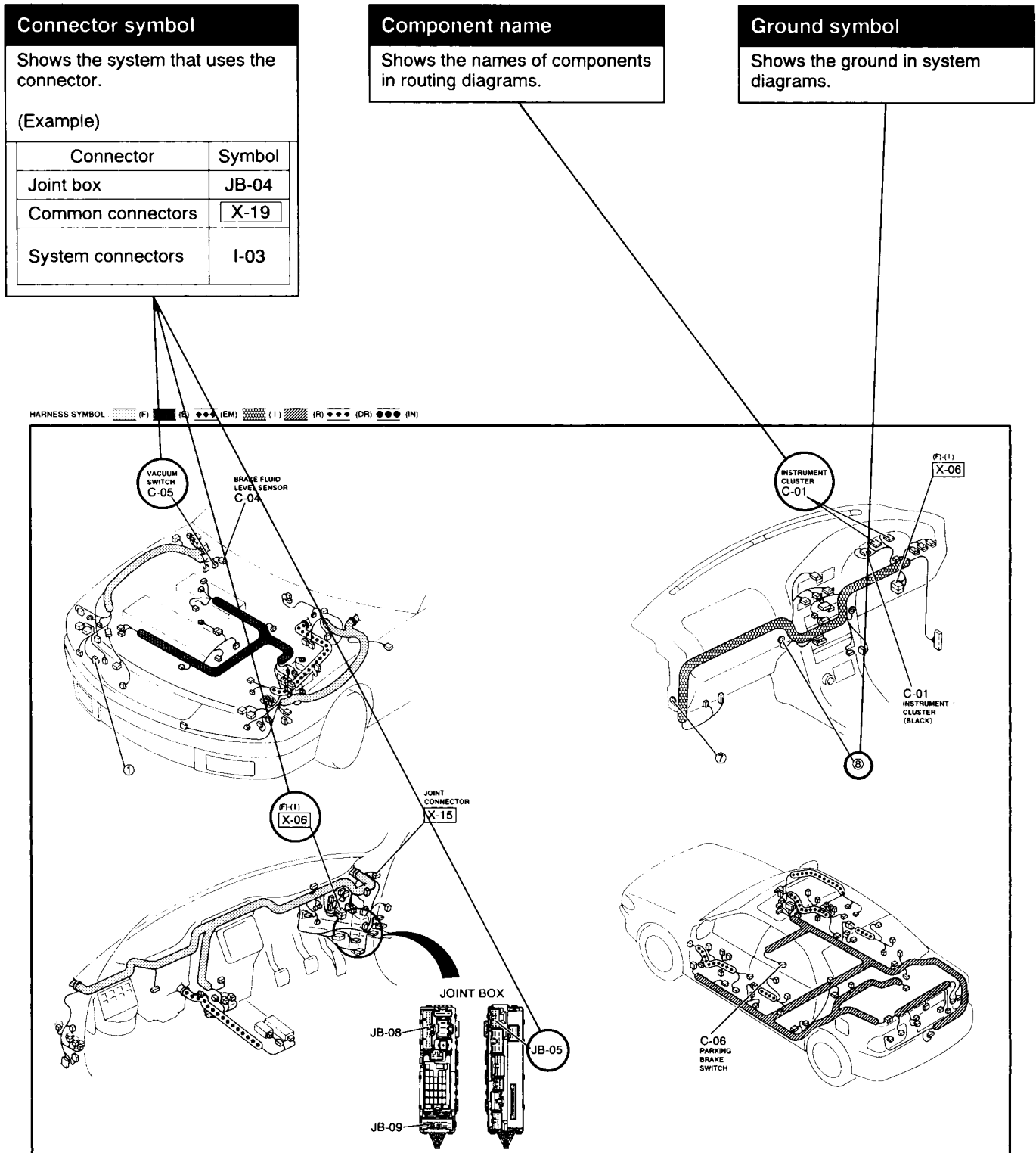
W/R is a white wire with a red strip
BR/Y is a brown wire with a yellow strip



- The harness symbol is in () following the harness symbols (refer to P-7.).

Routing diagram

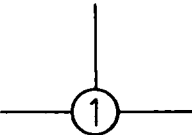
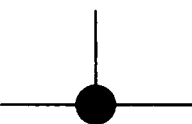
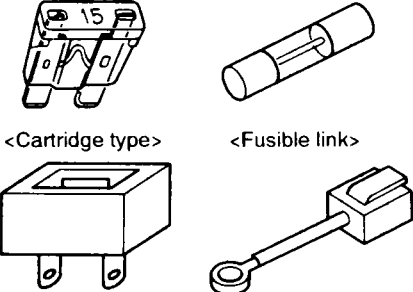
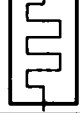
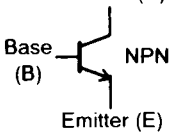
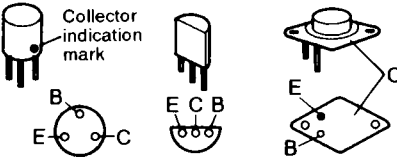
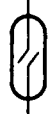
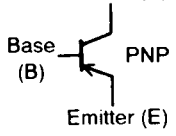
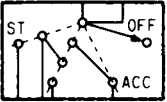
- The routing diagram shows where electrical components are on the system circuit diagram by call out line and connector symbols.

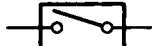
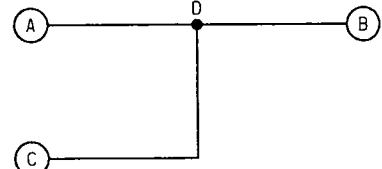
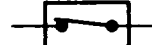
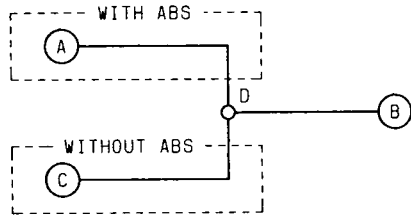
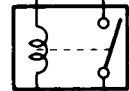
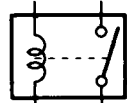
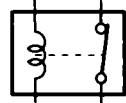
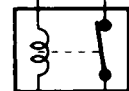
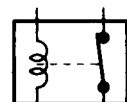
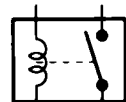
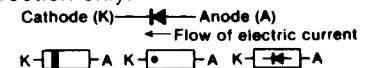
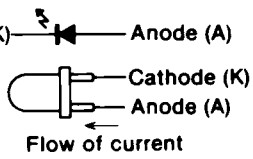
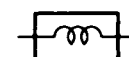


Harness symbols

DESCRIPTION OF HARNESS	SYMBOL	DESCRIPTION OF HARNESS	SYMBOL
FRONT HARNESS	(F)	DOOR NO.1 HARNESS	(DR1)
FRONT NO.2 HARNESS	(F2)	DOOR NO.2 HARNESS	(DR2)
ENGINE HARNESS	(E)	DOOR NO.3 HARNESS	(DR3)
DASH HARNESS	(D)	DOOR NO.4 HARNESS	(DR4)
REAR HARNESS	(R)	FLOOR HARNESS	(FR)
REAR NO.2 HARNESS	(R2)	INTERIOR LIGHT HARNESS	(IN)
REAR A HARNESS	(RA)	A/C HARNESS	(AC)
INSTRUMENT PANEL HARNESS	(I)		
EMISSION HARNESS	(EM)		
EMISSION NO.2 HARNESS	(EM2)		
EMISSION NO.3 HARNESS	(EM3)		

Symbols

Symbol	Meaning	Symbol	Meaning
Battery 	- Generates electricity through chemical reaction. - Supplies direct current to circuits.	Light 	Emits light and generates heat when current flows through filament.
Ground (1) 	- Connecting point to vehicle body or other ground wire where current flows from positive to negative terminal of battery. - Ground (1) indicates a ground point to body through wire harness. - Ground (2) indicates point where component is grounded directly to body.	Resistance 	- A resistor with a constant value. - Mainly used to protect electrical components in circuits by maintaining rated voltage.
Ground (2) 		Motor 	Converts electrical energy into mechanical energy.
Fuse (1) 		Pump 	Pulls in and discharges gases and liquids.
(box) 	Precautions Do not replace with fuses exceeding specified capacity.	Cigarette lighter 	Electrical coil that generates heat.
Fuse (2) 		Horn 	Generates sound when current flows.
(Cartridge) 		Speaker 	
Main fuse/ Fusible link 		Heater 	Generates heat when current flows.
Transistor (1) Collector (C) Base (B) NPN Emitter (E) 	- Electrical switching component. - Turns on when voltage is applied to the base (B). 	Speed sensor 	Movement of magnet in speedometer turns contact within sensor on and off.
Transistor (2) Collector (C) Base (B) PNP Emitter (E) 		Ignition switch 	Turning ignition key switches circuit to operate various component. (NOTE) Ignition switch is called engine switch on diesel vehicles.

Symbol	Meaning	Symbol	Meaning
Switch (1)  Normally open (NO)	Allows or breaks current flow by opening and closing circuits.	Harness Connection  When circuit C-D is connected to circuit A-B, the connection D is indicated by a black dot.	 For vehicles with ABS, use the A-B circuit.
Switch (2)  Normally closed (NC)		Selection  Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.	 For vehicles without ABS, use the C-B circuit.
Relay (1)  Normally open (NO)	Current flowing through coil produces electromagnetic force causing contact to open or close. No current to coil  No flow Current to coil  Flow		
Relay (2)  Normally closed (NC)	Current flowing through coil produces electromagnetic force causing contact to close. No current to coil  Flow Current to coil  No flow		
Sensor (variable) 	Resistance changes with other components operation.	Diode 	Known as a semiconductor rectifier, the diode allows current flow in one direction only. Cathode (K) — Anode (A) 
Sensor (thermistor) 	Resistance changes with temperature.	Light-emitting diode (LED) 	- A diode that lights when current flows. - Unlike ordinary bulbs, the diode does not generate heat when lit. Cathode (K) — Anode (A) 
Capacitor 	Component that temporarily stores electrical charge.		
Solenoid 	Current flowing through coil generates electromagnetic force to operate plungers.	Reference diode (Zener diode) 	Allows current to flow in one direction up to a certain voltage; allows current to flow in the other direction once that voltage is exceeded.

Symbol	Meaning
Extent of the change in the wiring position (1)	The wiring position can be exchanged freely within the connector.
Extent of the change in the wiring position (2)	The wiring position can be exchanged according to the following combinations only. Between A and B, Between C and D, Between E and F
Extent of the change in the wiring position (3)	The wiring position can be exchanged according to the following combinations only. Between A, C and E, Between B, D and F

Abbreviations used in this booklet

3GR	Third Gear
4GR	Fourth Gear
A	Ampere
A/C	Air Conditioning
A/F	Air Fuel
A/R	Auto Reverse
AAS	Auto Adjusting Suspension
ABS	Anti-lock Braking System
ACC	Accessories
ACV	Air Control Valve
ADD	Additional
AIR	Secondary Air Injection
AIS	Air Injection System
ALL	Automatic Load Leveling
AM	Amplitude Modulation
AMP	Amplifier
ANT	Antenna
AP	Accelerator Pedal
AS	Autostop
ASV	Air Supply Valve
AT	Automatic Transmission
ATX	Automatic Transaxle
B+	Battery Positive Voltage
BAC	Bypass Air Control
BARO	Barometric Pressure
CAC	Charge Air Cooler
CARB	Carburetor

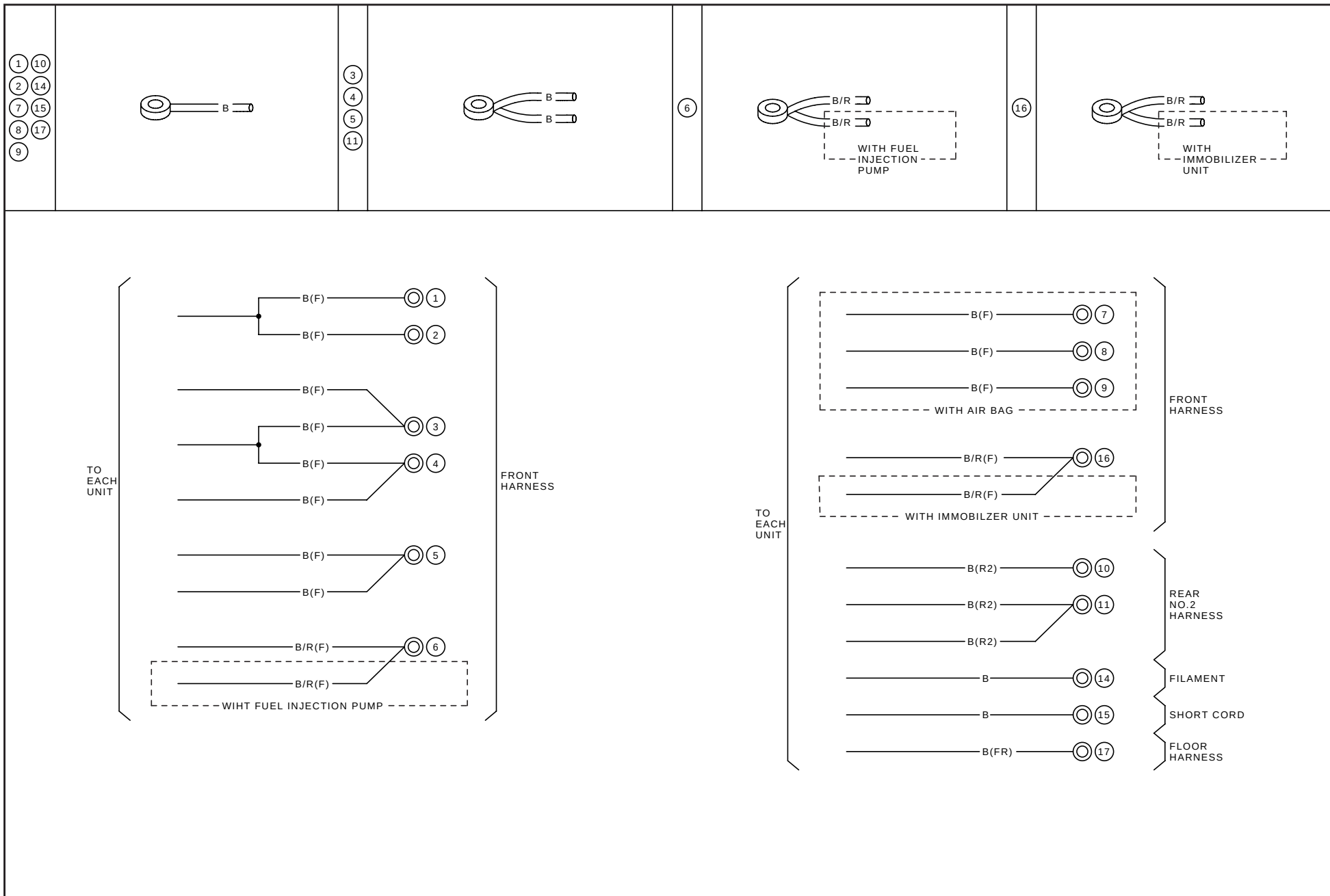
CCT	Circuit
CIGAR	Cigarette
CIS	Continuous Fuel Injection System
CKP	Crankshaft Position Sensor
CLS	Closed Loop System
CMP	Camshaft Position Sensor
COMBI	Combination
CON	Conditioner
CONT	Control
CPU	Central Processing Unit
CSD	Cold Start Device
CTP	Closed Throttle Position
DEF	Defroster
DI	Distributor Ignition
DLC	Data Link Connector
DLI	Distributorless Ignition
DOHC	Double-Overhead Camshaft
DTC	Diagnostic Trouble Code(s)
DTM	Diagnostic Test Mode
ECM	Engine Control Module
ECPS	Electronically Controlled Power Steering
ECT	Engine Control Temperature
EGR	Exhaust Gas Recirculation
EI	Electronic Ignition
ELEC	Electric
ELR	Emergency Locking Retractor
ETR	Electronic Tuner

F	Front
F/I	Fuel Injector
FC	Fan Control
FICB	Fast-Idle Cam Breaker
FM	Frequency Modulation
FP	Fuel Pump
FPR	Fuel Pump Relay
GEN	Generator
GND	Ground
H/D	Heater/Defroster
HEAT	Heater
HEI	High-Energy Ignition
HI	High
HO2S	Heated Oxygen Sensor
IAC	Idle Air Control
IAT	Intake Air Temperature
ICM	Ignition Control Module
IG	Ignition
ILLUMI	Illumination
INT	Intermittent
JB	Joint Box
KS	Knock Sensor
LCD	Liquid Crystal Display
LF	Left Front
LH	Left Hand
LO	Low
LR	Left Rear
M	Motor
MAF	Mass Air Flow Sensor
MAP	Manifold Absolute Pressure
MFI	Multiport Fuel Injection
MID	Middle
MIL	Malfunction Indicator Lamp
MIN	Minute
MIX	Mixture
MPX	Multiplex
MT	Manual Transmission
MTR	Mechanical Tuning Radio
MTX	Manual Transaxle
NC	Normally Closed
NO	Normally Open
O2S	Oxygen Sensor
OBD	On-board Diagnostic

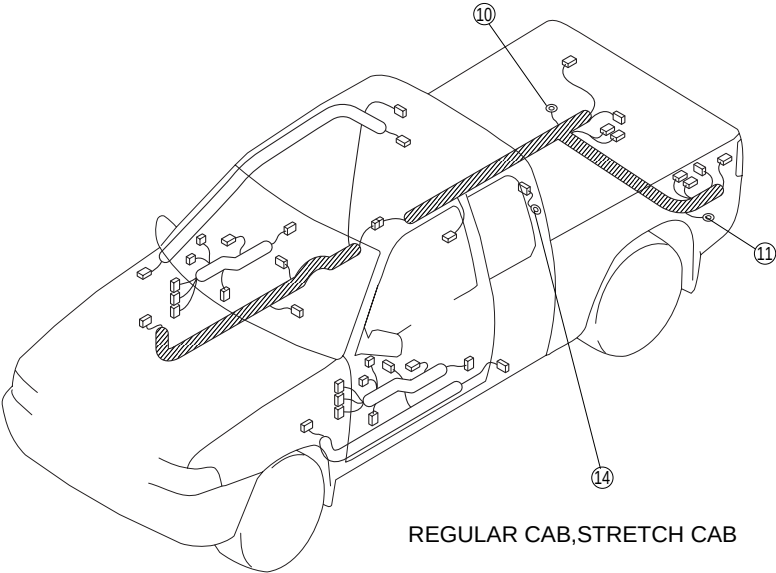
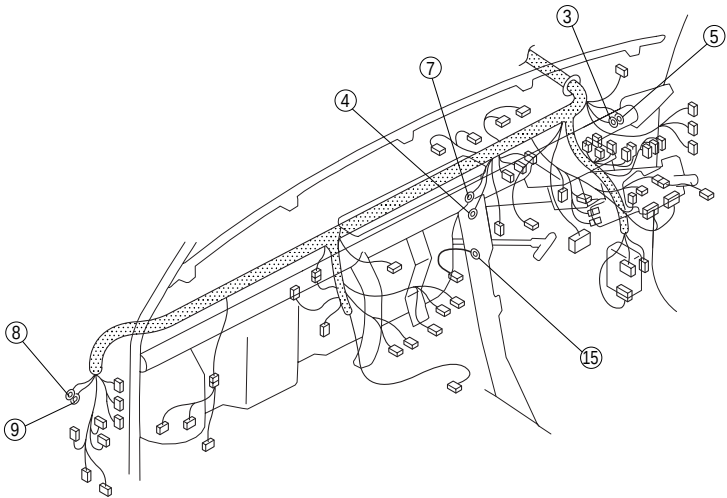
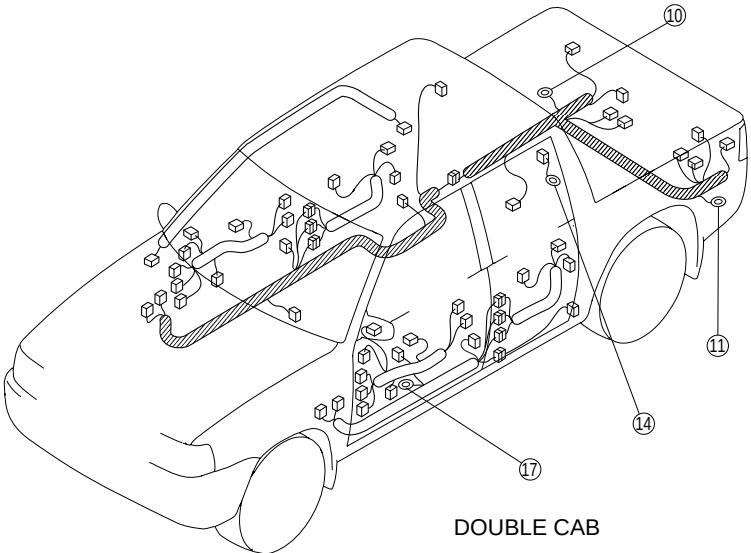
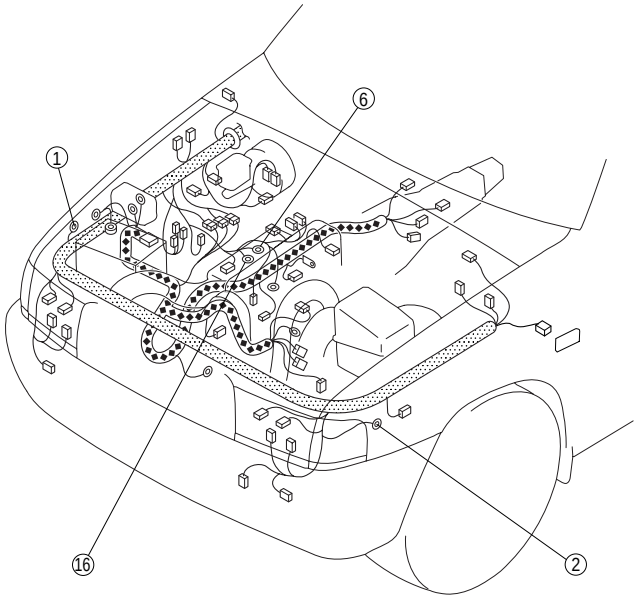
OFF	Switch Off
ON	Switch On
P	Power
P/S	Power Steering
PAIR	Pulsed Secondary Air Injection
PCM	Powertrain Control Module
PNP	Park/Neutral Position
PRCV	Pressure Regulator Control Solenoid Valve
PRG	Purge Solenoid Valve
PSP	Power Steering Pressure
PTC	Positive Temperature Coefficient Heater
QSS	Quick-Start System
R	Rear
REC	Recirculation
RF	Right Front
RFW	Remote Freewheel
RH	Right Hand
RPM	Engine Speed
RR	Rear Right
SAPV	Secondary Air Pulse Valve
SFI	Sequential Multipoint Fuel Injection
SOL	Solenoid
ST	Start
SW	Switch
TC	Turbocharger
TCM	Transmission (Transaxle) Control Module
TCV	Twin Scroll Turbocharger Solenoid Valve
TEMP	Temperature
TICS	Triple Induction Control System
TP	Throttle Position Sensor
TR	Transmission Range
TR	Transmission (Transaxle) Range
TWS	Total Wiring System
V	Volt
VAF	Volume Air Flow Sensor
VENT	Ventilation
VOL	Volume
VR	Voltage Regulator
VRIS	Variable Resonance Induction System
VSS	Vehicle Speed Sensor
W	Watt(s)
WOT	Wide Open Throttle

GROUND POINTS (WL, WL Turbo, before model year 2002)

Z WIRING DIAGRAM



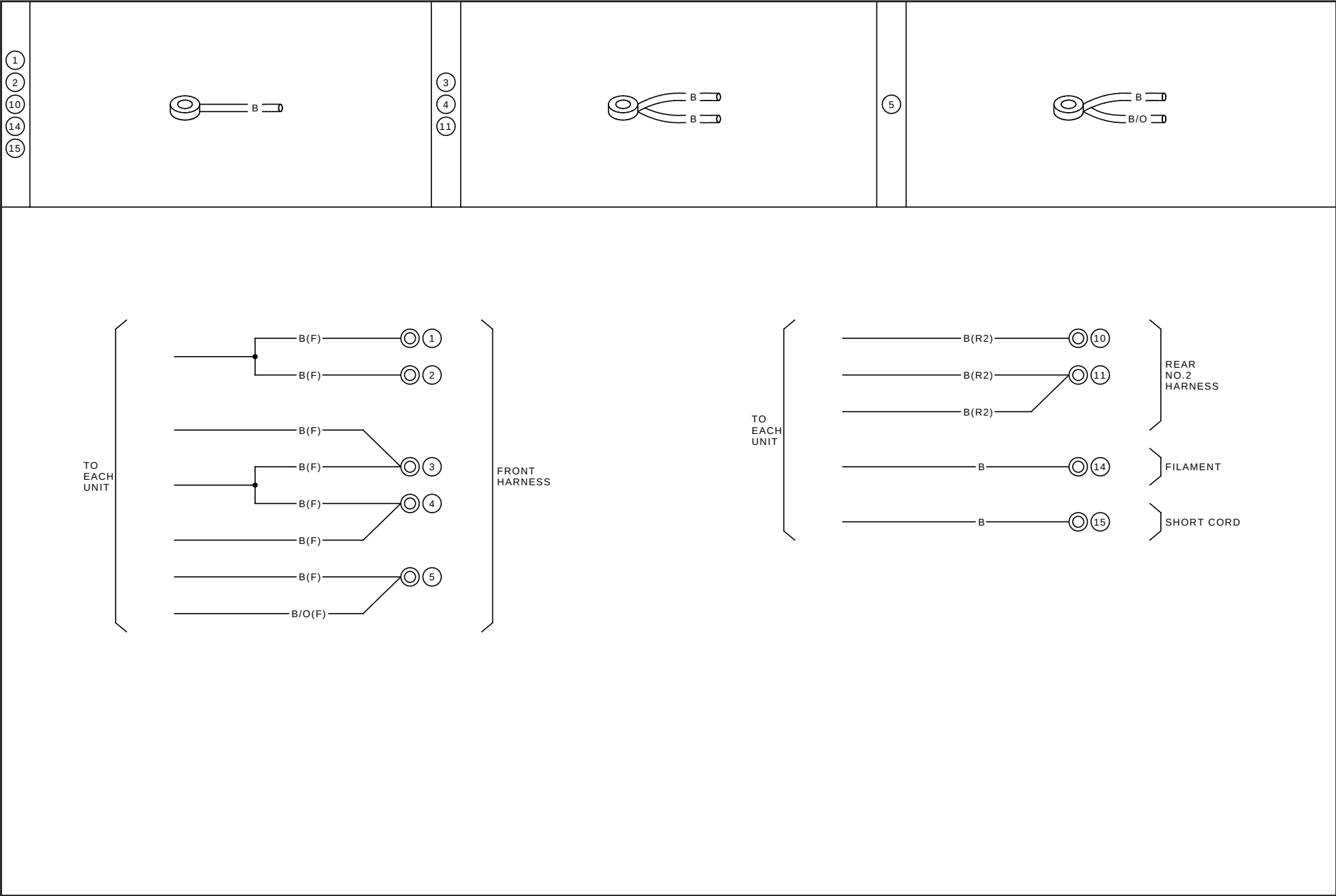
HARNESS SYMBOL :  (F)  (E)  (R)



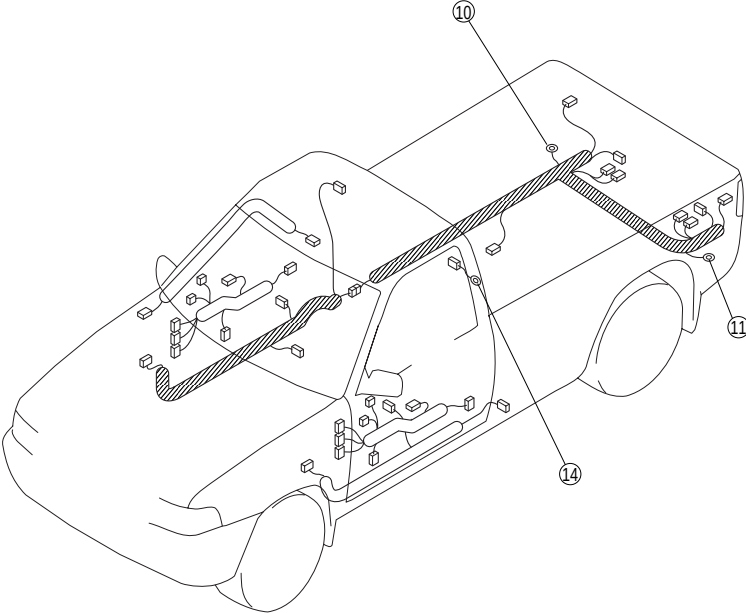
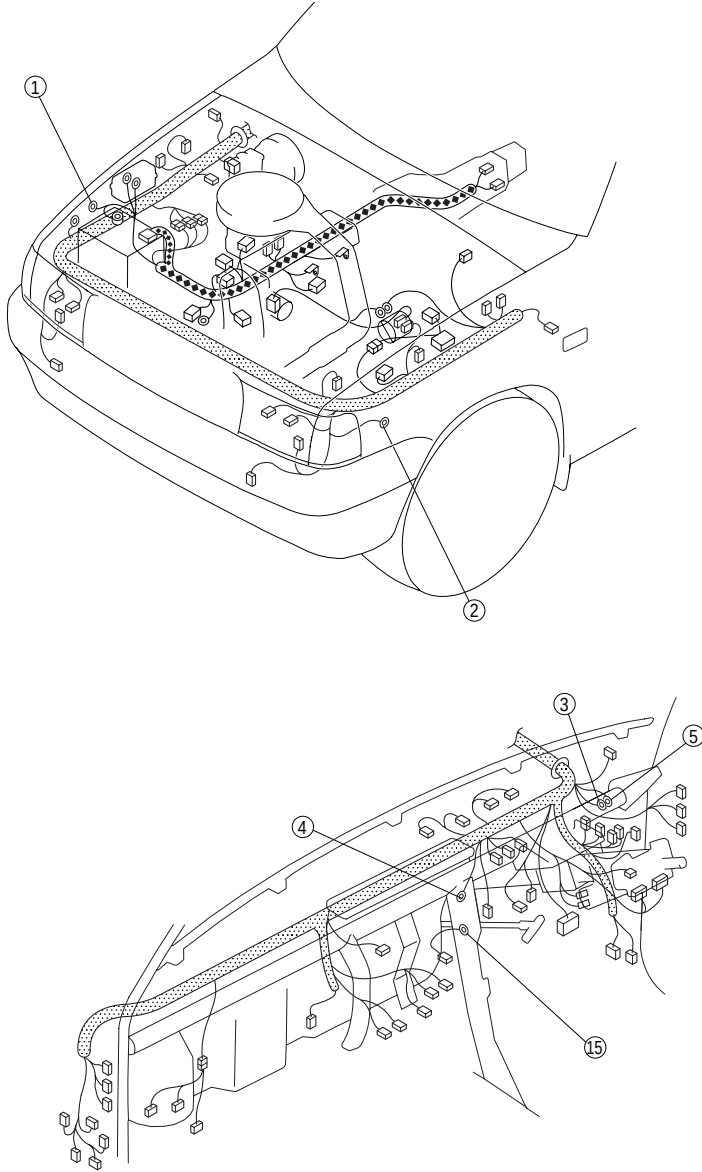
Z-13

GROUND POINTS (F2 CARB)

Z WIRING DIAGRAM

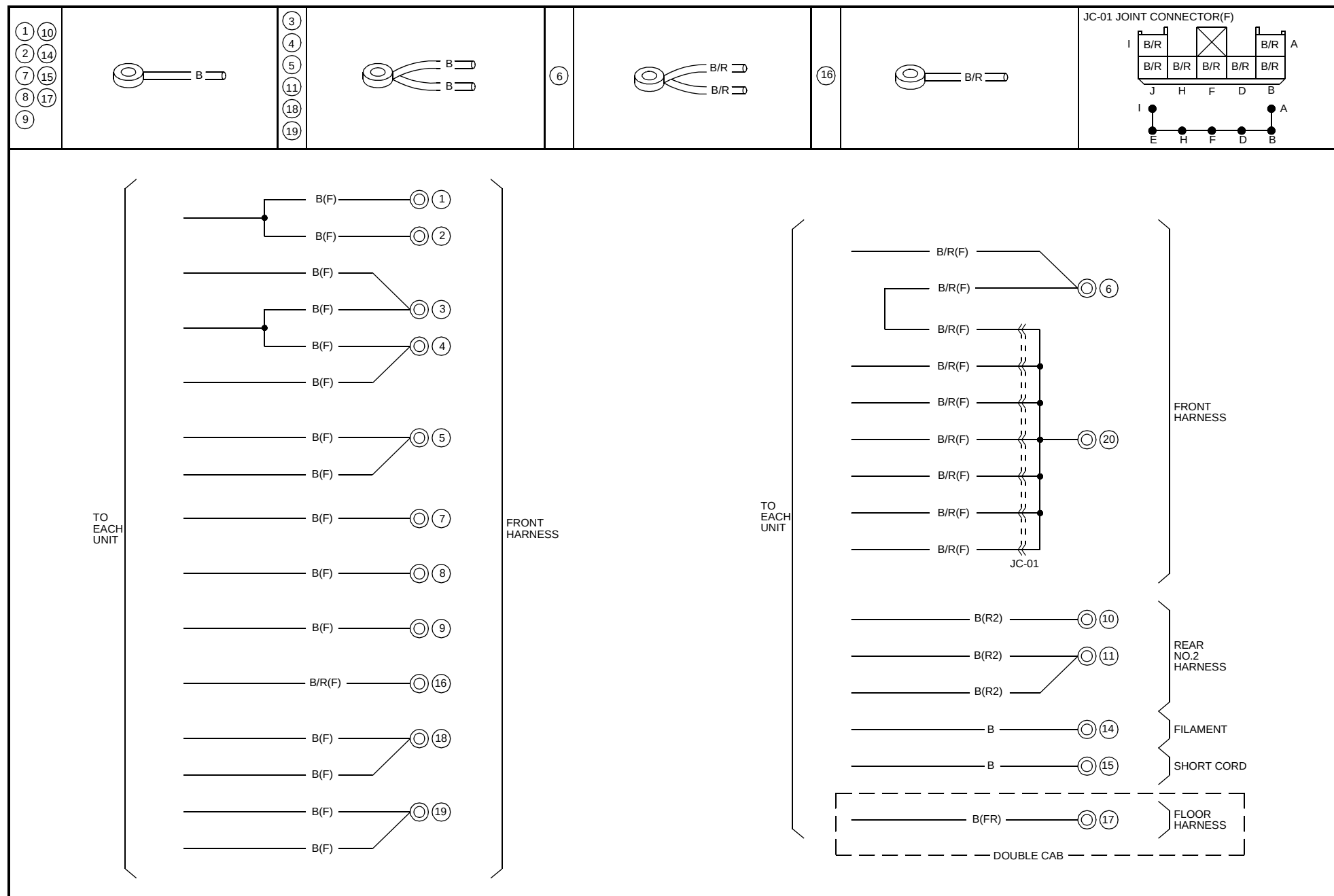


HARNESS SYMBOL :  (F)  (E)  (R)

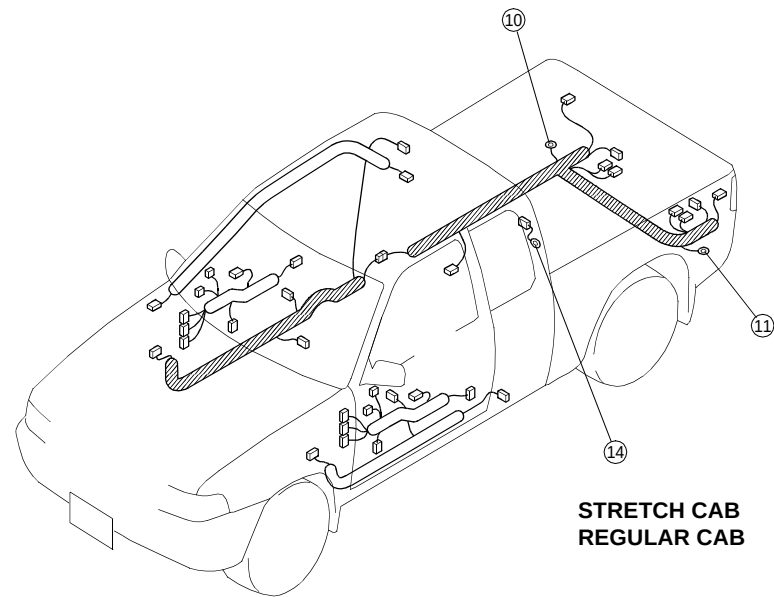
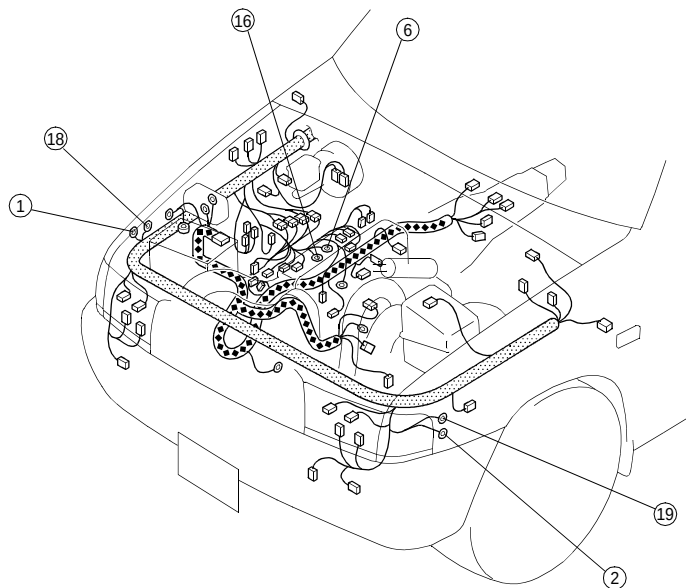


GROUND POINTS (WL-3, WLT-3, as of model year 2002)

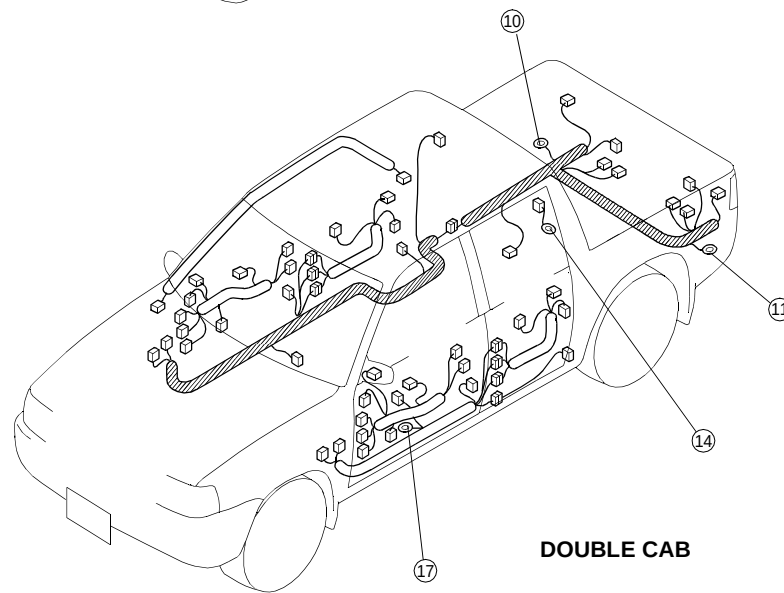
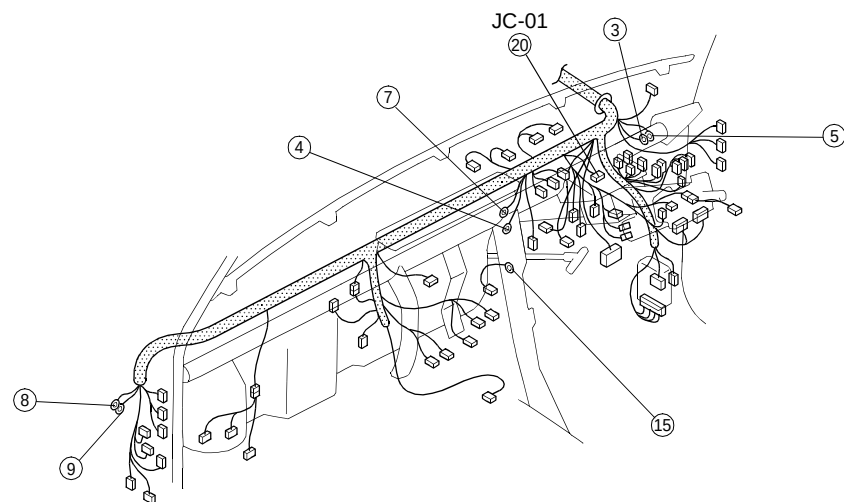
Z WIRING DIAGRAM



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



**STRETCH CAB
REGULAR CAB**

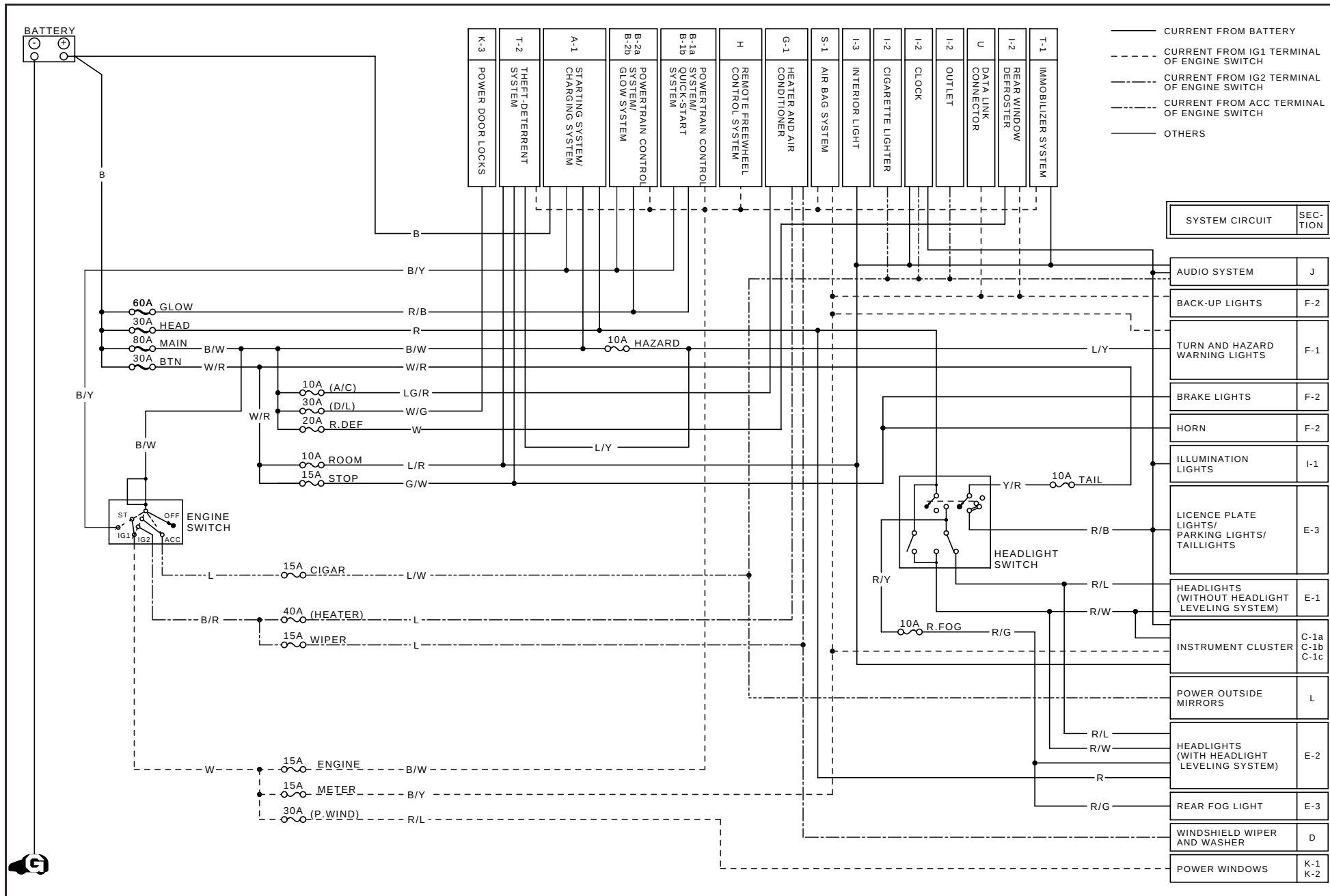


DOUBLE CAB

Z-17

WIRING DIAGRAM Z

ELECTRICAL WIRING SCHEMATIC (WL, WL Turbo, before model year 2002)



Z-19



BATTERY

ENGINE SWITCH

LEGEND:

- SOLID LINE: CURRENT FROM BATTERY
- DASHED LINE: CURRENT FROM IG1 TERMINAL OF ENGINE SWITCH
- DOTTED LINE: CURRENT FROM IG2 TERMINAL OF ENGINE SWITCH
- DASH-DOTTED LINE: CURRENT FROM ACC TERMINAL OF ENGINE SWITCH
- SINGLE LINE: OTHERS

SYSTEM CIRCUIT TABLE:

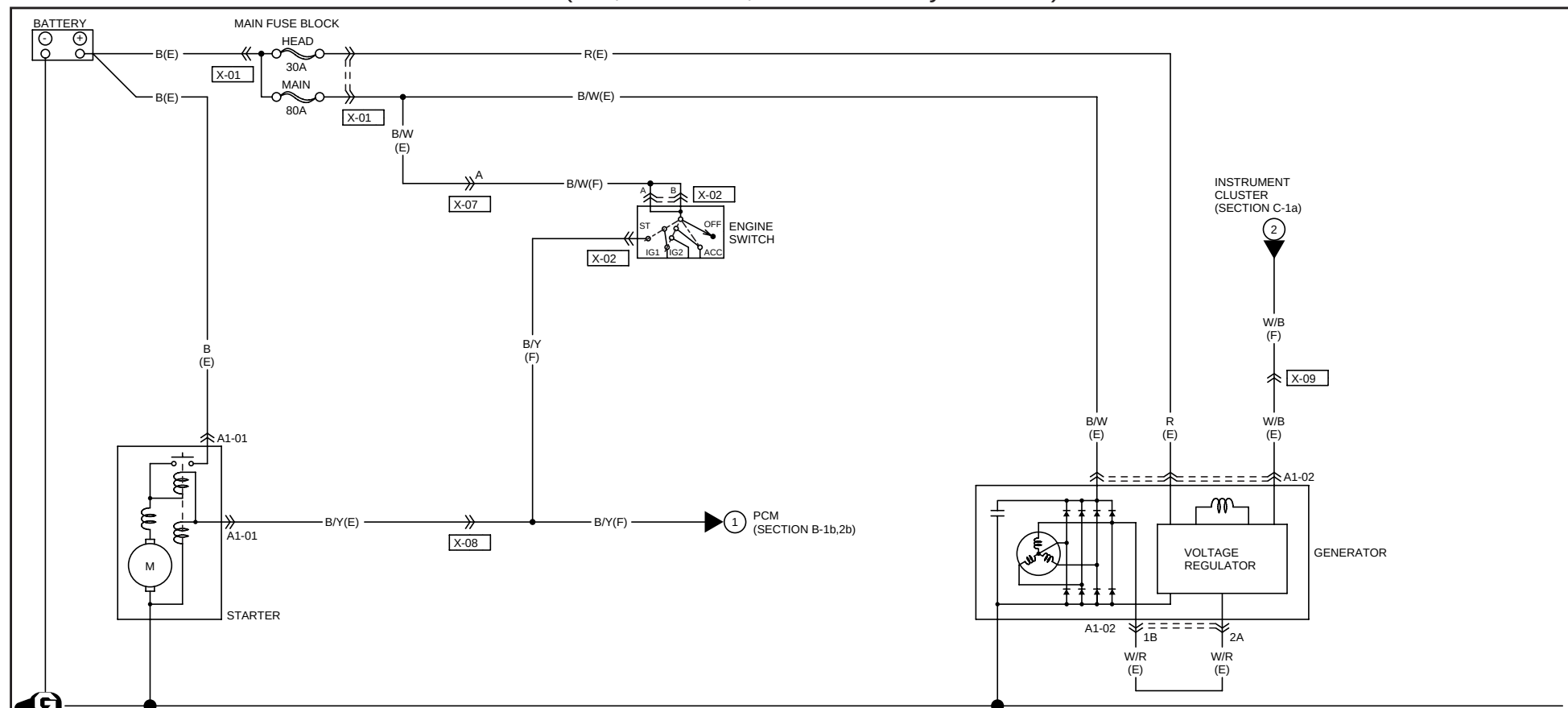
SYSTEM CIRCUIT	SECTION
AUDIO SYSTEM	J
BACK-UP LIGHTS	F-4
TURN AND HAZARD WARNING LIGHTS	F-3
BRAKE LIGHTS	F-4
HORNS	F-4
ILLUMINATION LIGHTS	I-1
LICENCE PLATE LIGHTS / PARKING LIGHTS / TAILLIGHTS	E-5
INSTRUMENT CLUSTER	C-3a C-3b C-3c
POWER OUTSIDE MIRRORS	L
HEADLIGHTS	E-4
REAR FOG LIGHT	E-5
WINDSHIELD WIPER AND WASHER	D-2
POWER WINDOWS	K-1 K-2

Z WIRING DIAGRAM

Z-20

STARTING SYSTEM / CHARGING SYSTEM (WL, WL Turbo, before model year 2002)

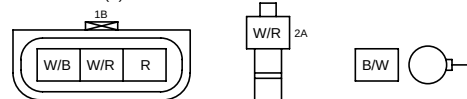
Z WIRING DIAGRAM



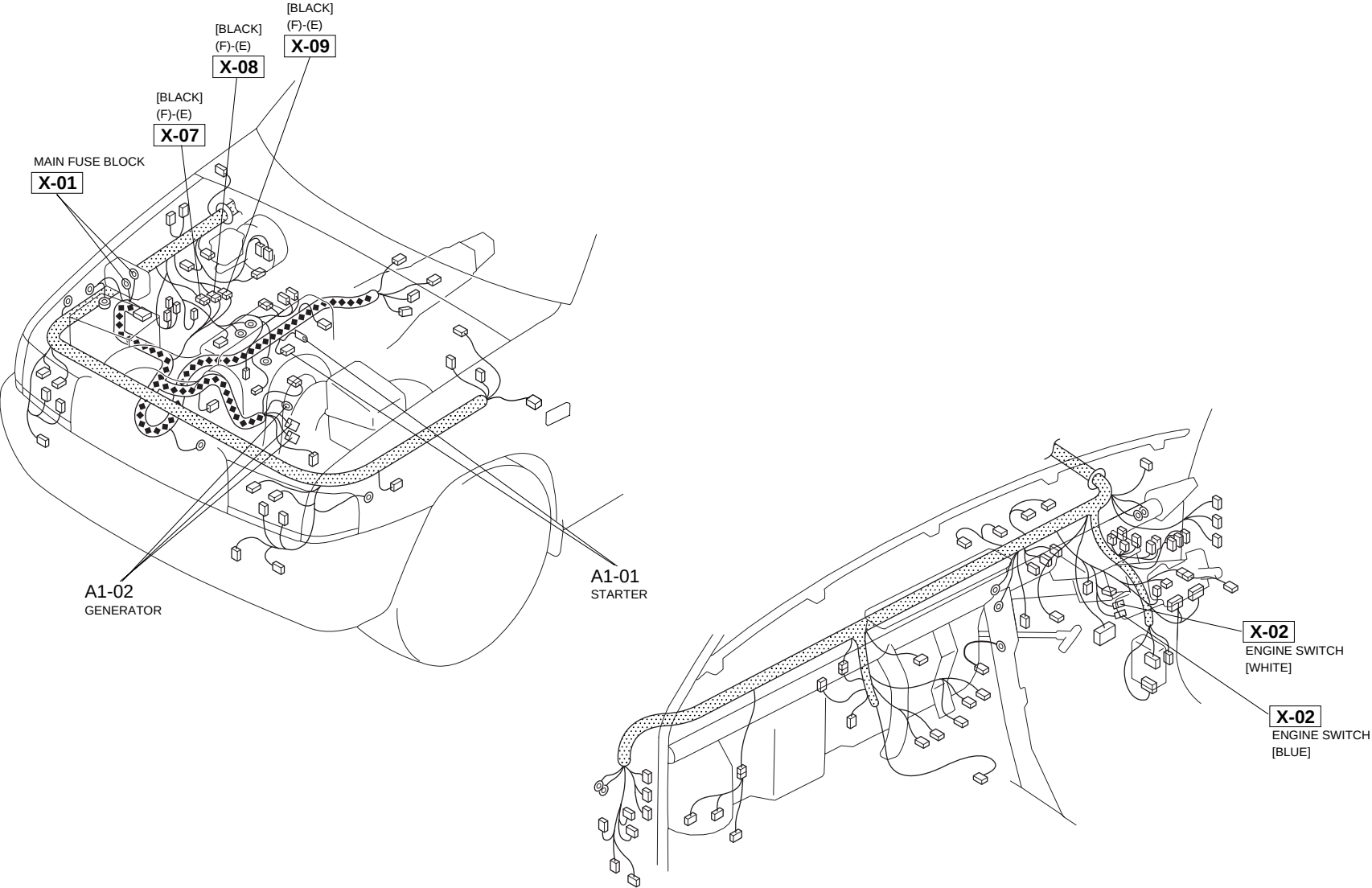
A1-01 STARTER(E)



A1-02 GENERATOR(E)



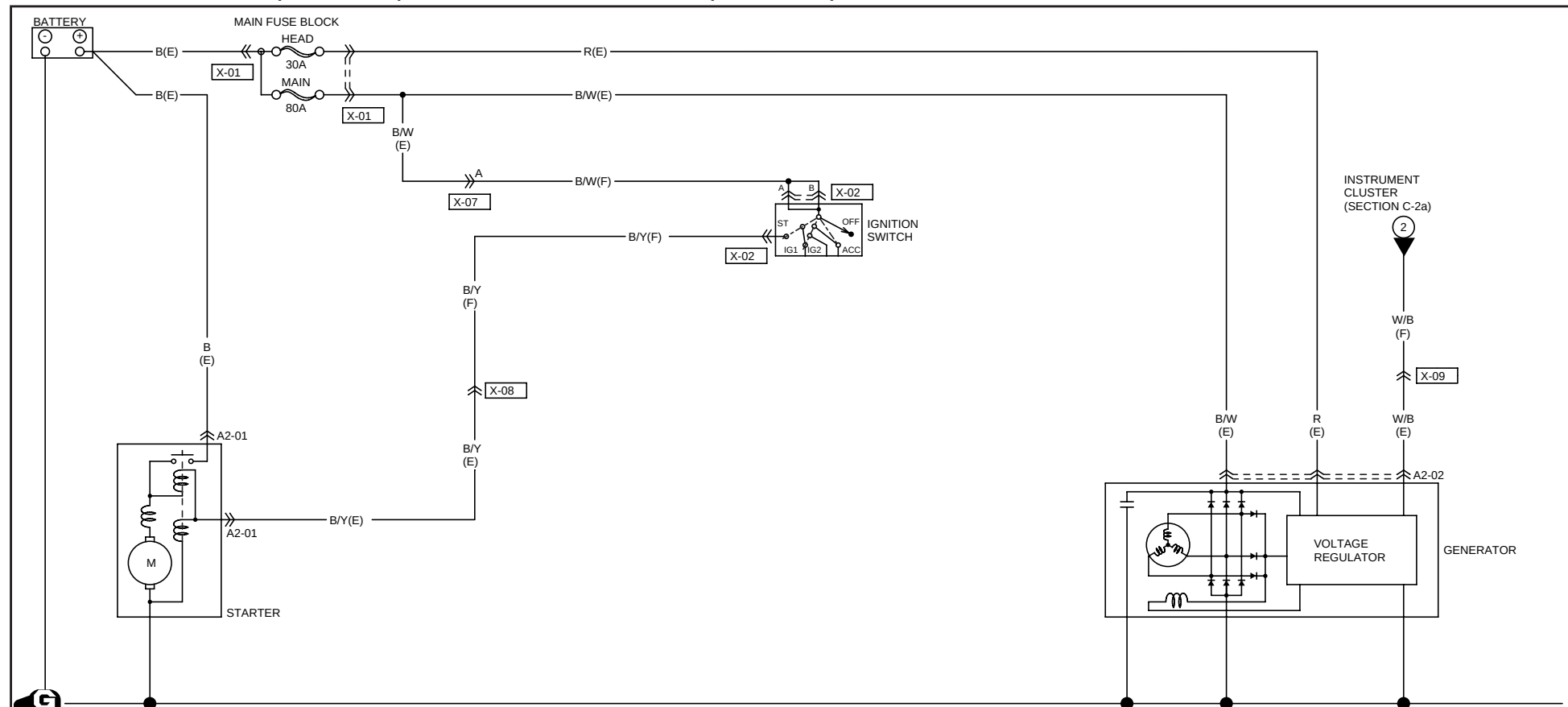
HARNESS SYMBOL :  (F)  (E)  (R)



Z-22

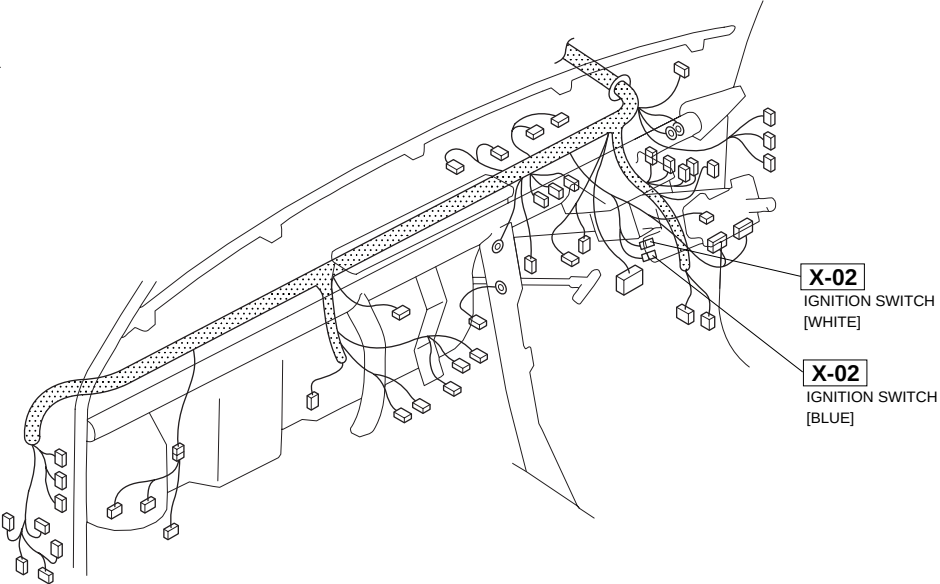
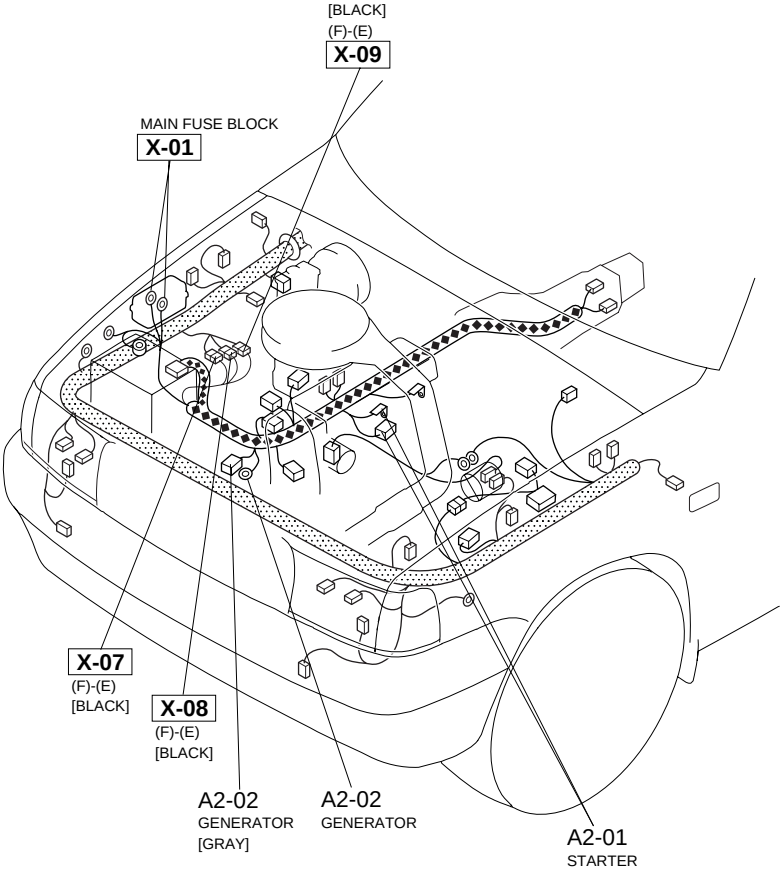
WIRING DIAGRAM Z

STARTING SYSTEM (F2 CARB) / CHARGING SYSTEM (F2 CARB)



A2-01 STARTER(E)		A2-02 GENERATOR(E)				

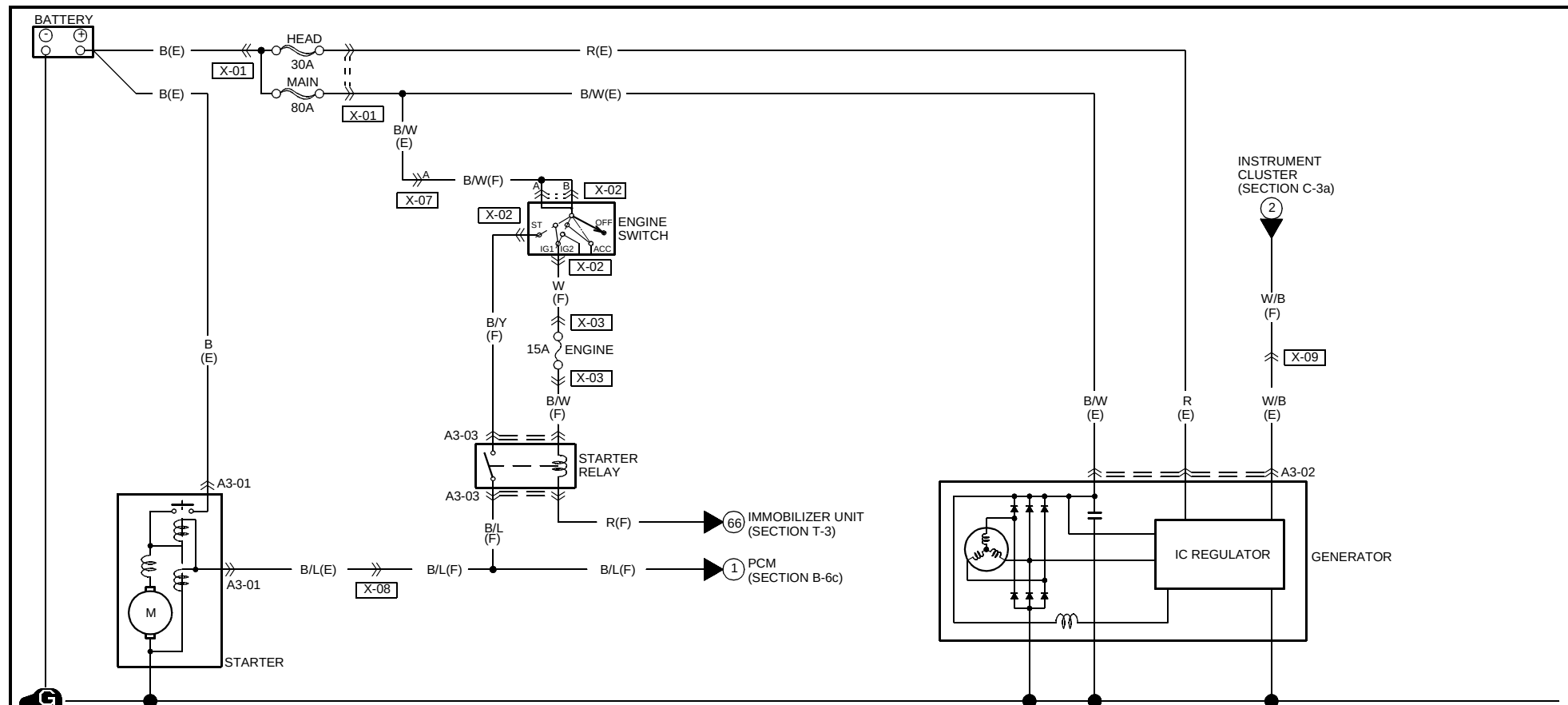
HARNESS SYMBOL :  (F)  (E)  (R)



Z-24

STARTING SYSTEM / CHARGING SYSTEM (WL-3, WLT-3, as of model year 2002)

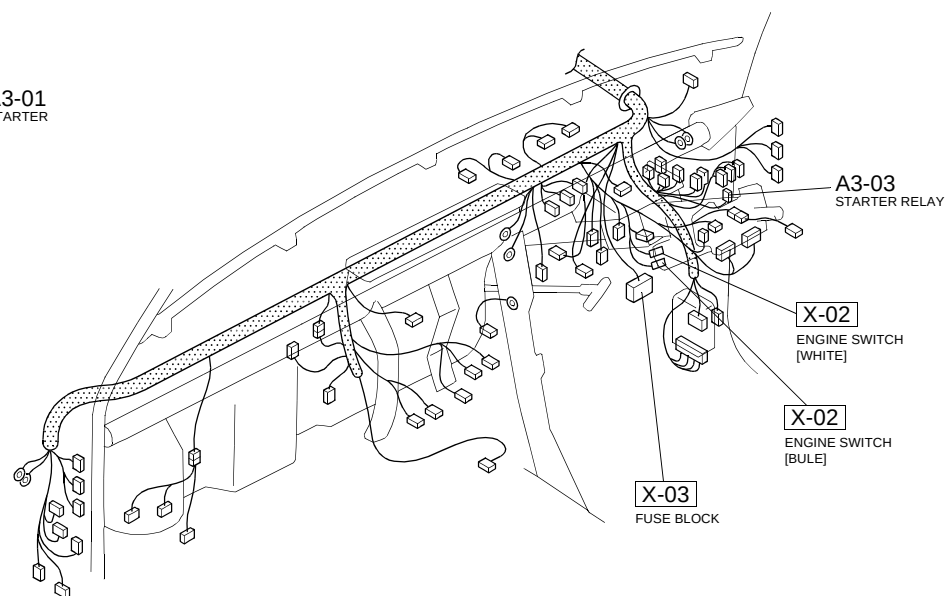
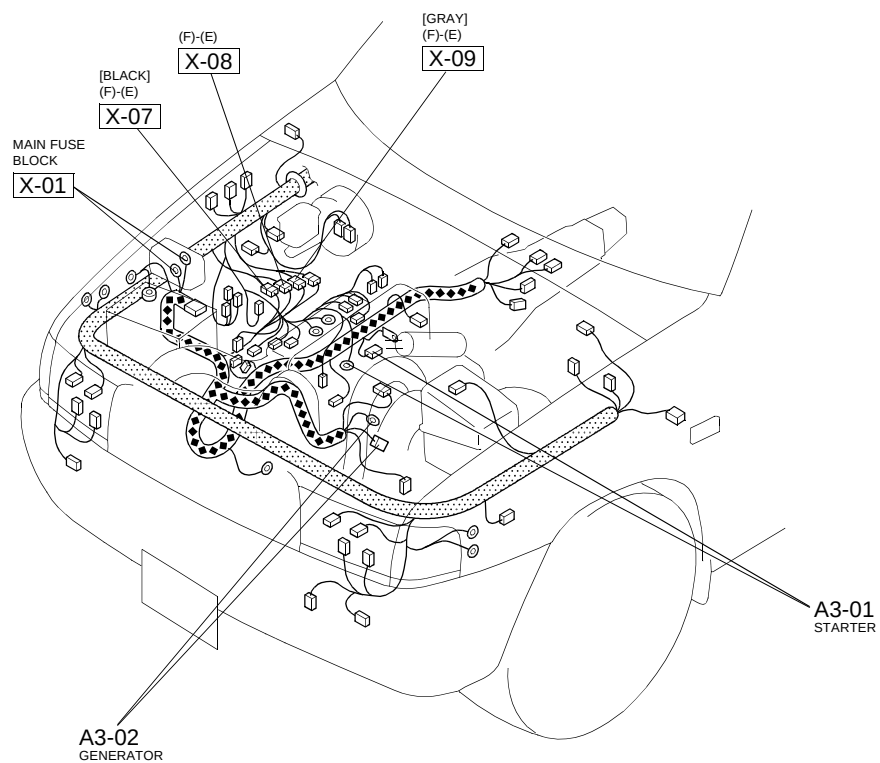
Z WIRING DIAGRAM



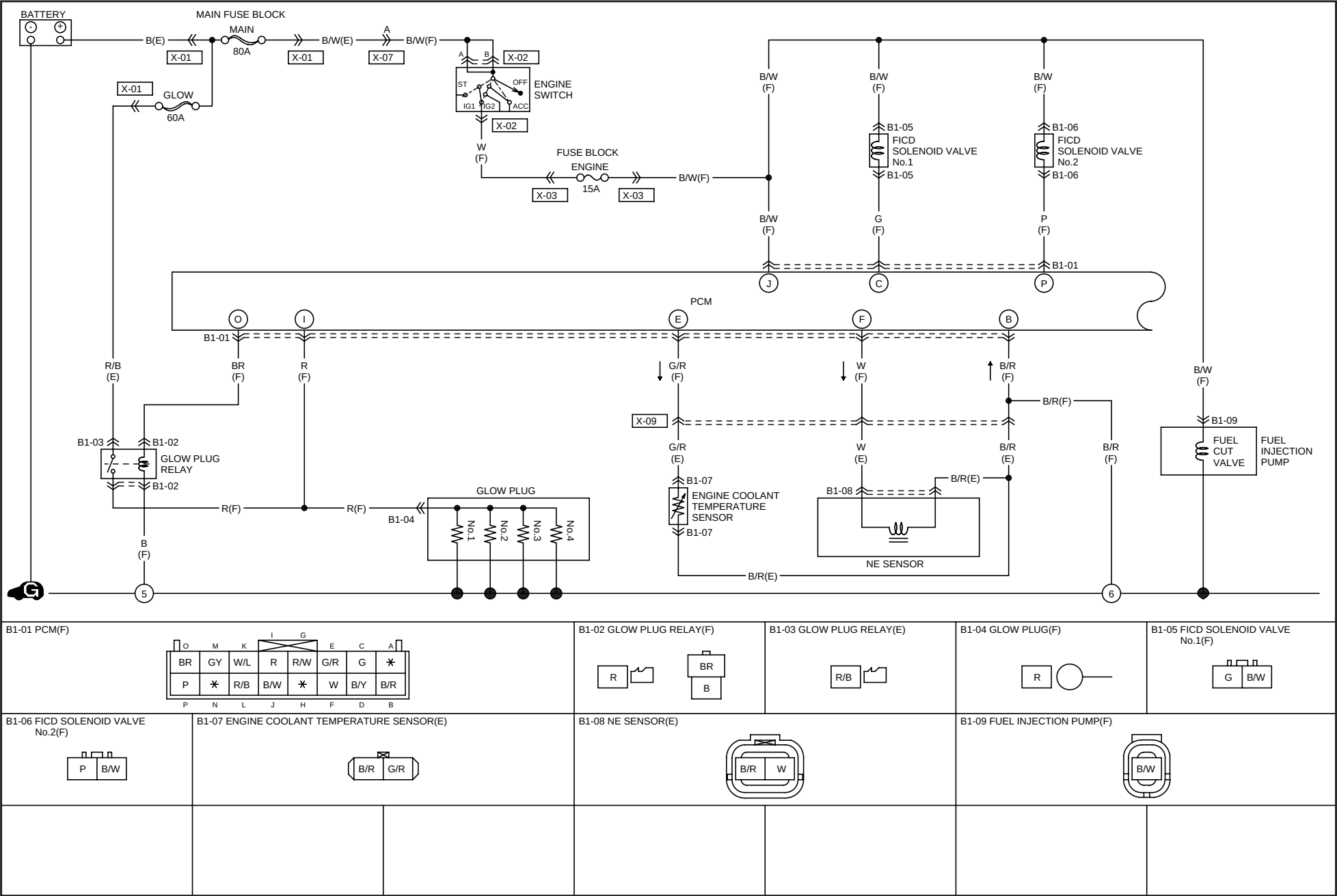
Z-25

A3-01 STARTER(E)		A3-02 GENERATOR(E)		A3-03 STARTER RELAY(F)			

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

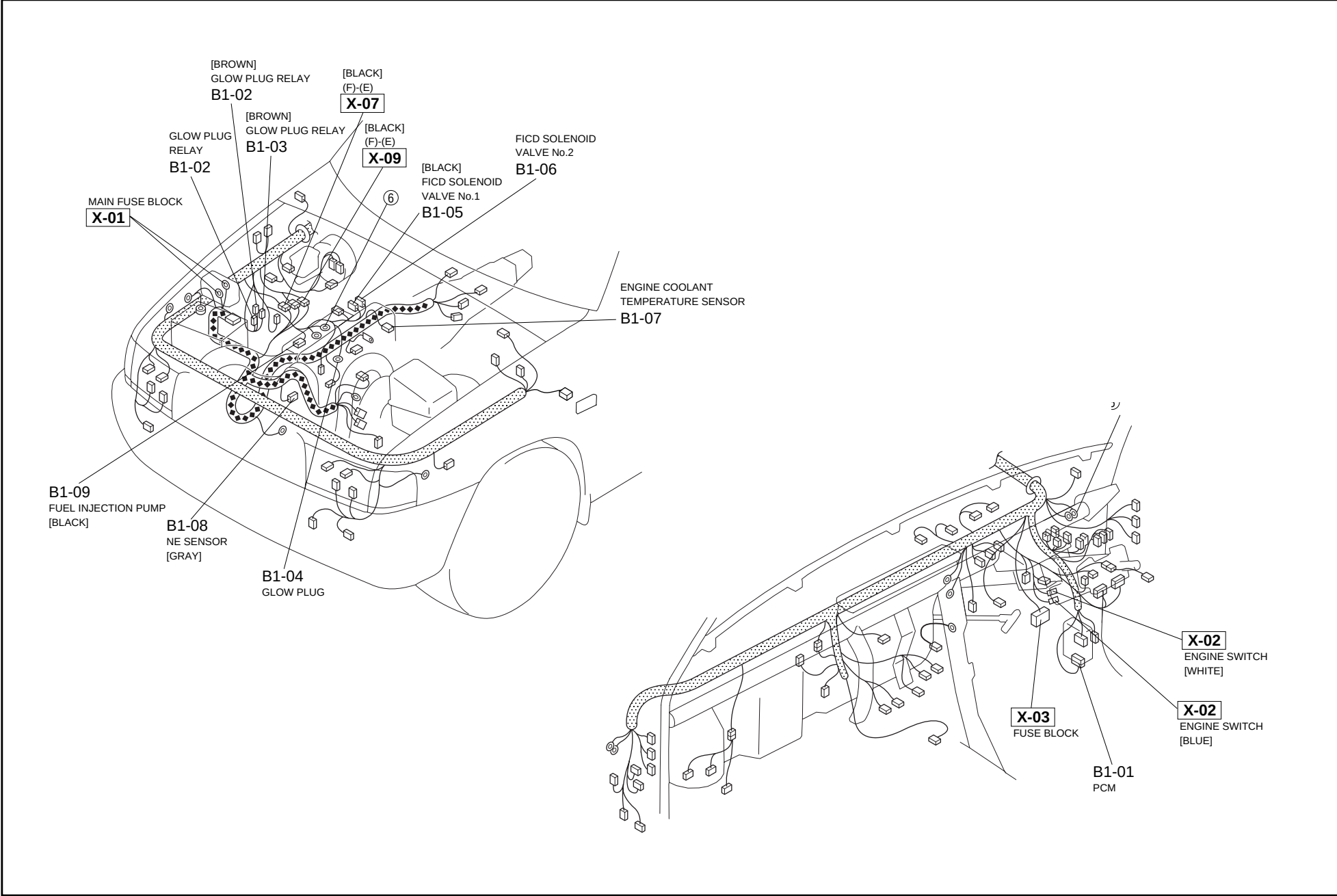


POWERTRAIN CONTROL SYSTEM (WL: GENERAL SPECS.) / QUICK-START SYSTEM (WL)



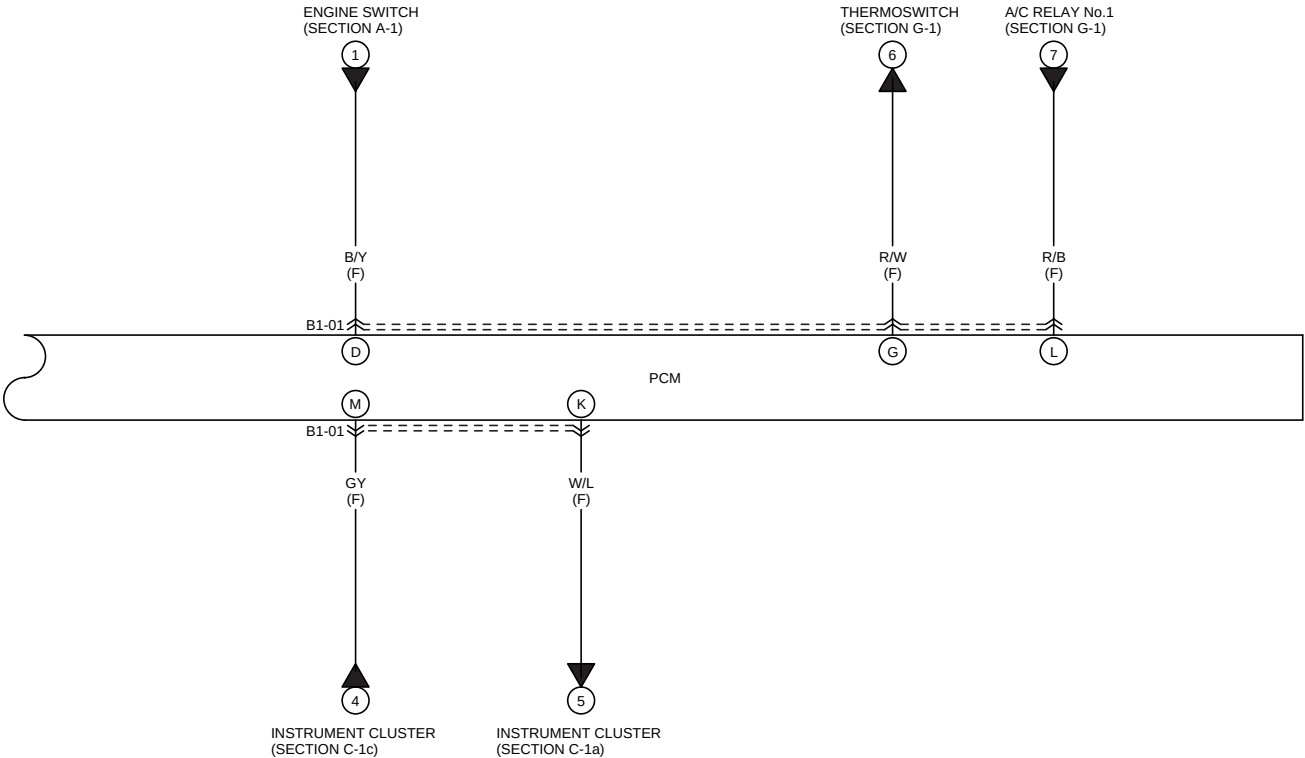
HARNESS SYMBOL : (F) (E) (R)

Z-28



WIRING DIAGRAM Z

POWERTRAIN CONTROL SYSTEM (WL: GENERAL SPECS.) / QUICK-START SYSTEM (WL)

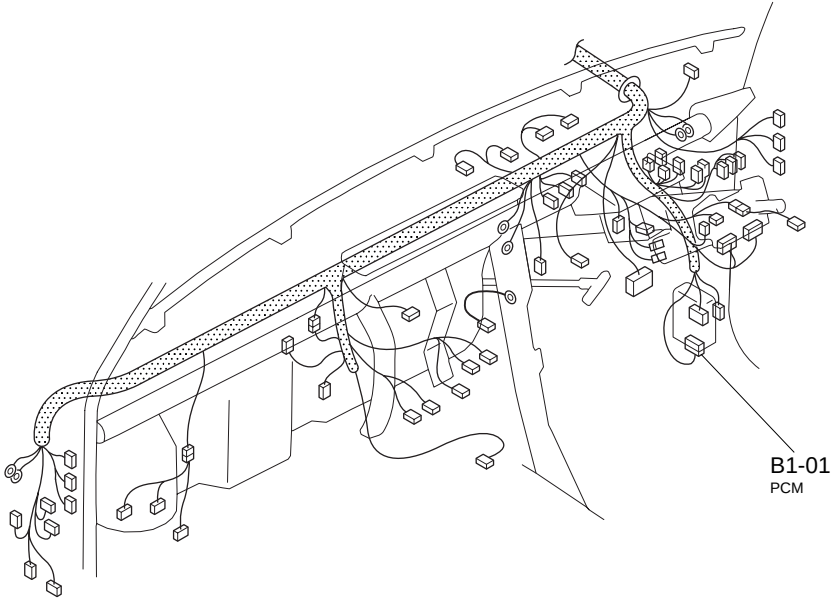


B1-01 PCM(F)

O		M	K	I		G	E	C	A
BR	GY	W/L	R	R/W	G/R	G	*		
P	*	R/B	B/W	*	W	B/Y	B/R		
P	N	L	J	H	F	D	B		

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

Z-30

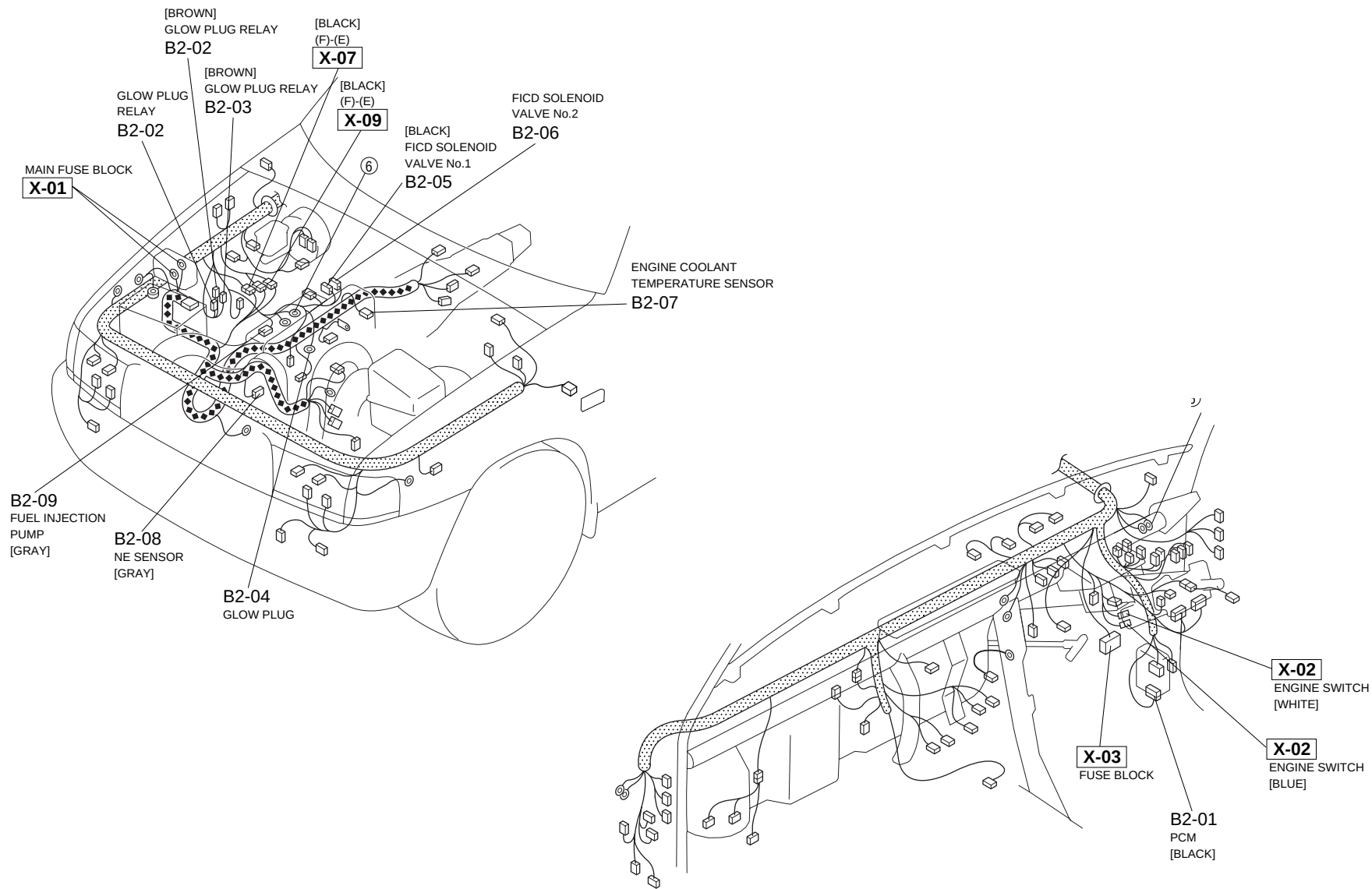


B1-01
PCM

<>...WL-T

Z-31

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



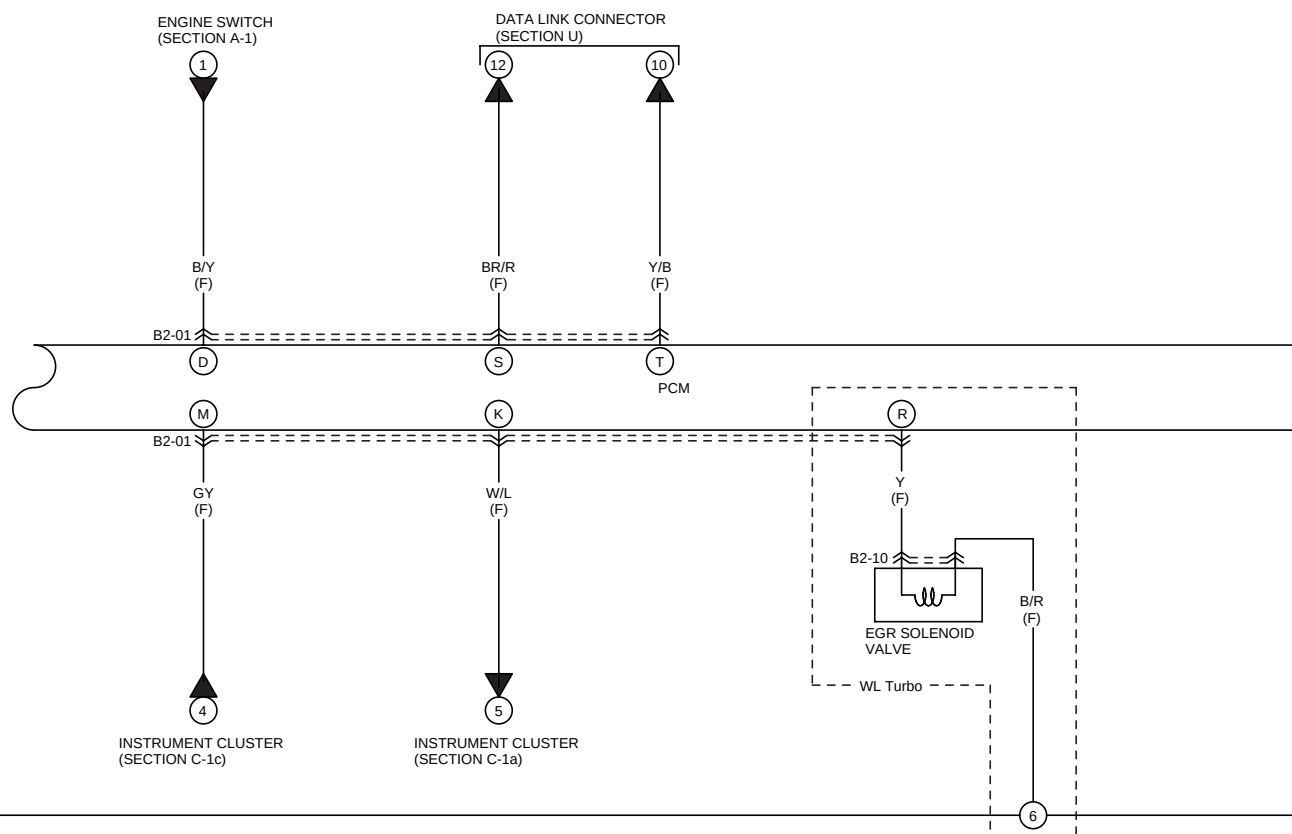
Z-32

WIRING DIAGRAM Z

POWERTRAIN CONTROL SYSTEM (WL: U.K. SPECS., WL Turbo) / GLOW SYSTEM (WL, WL Turbo)

< >...WL Turbo

WIRING DIAGRAM



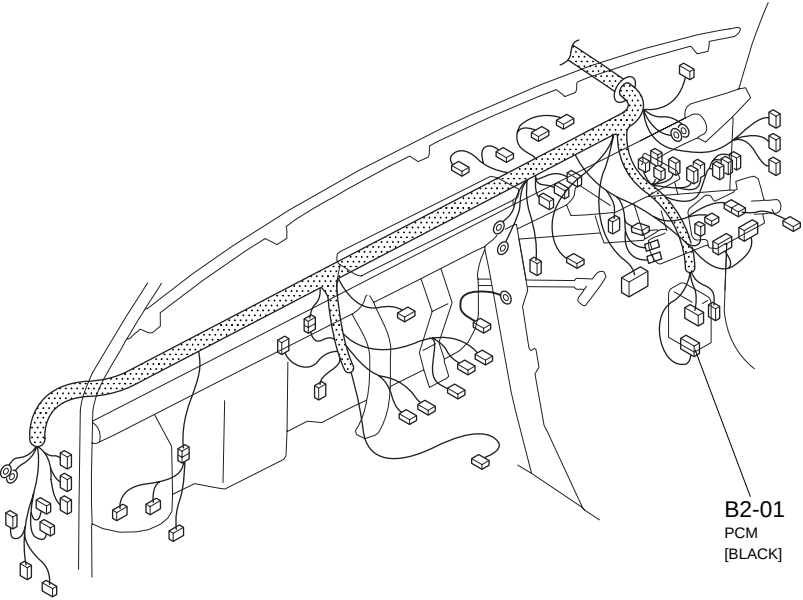
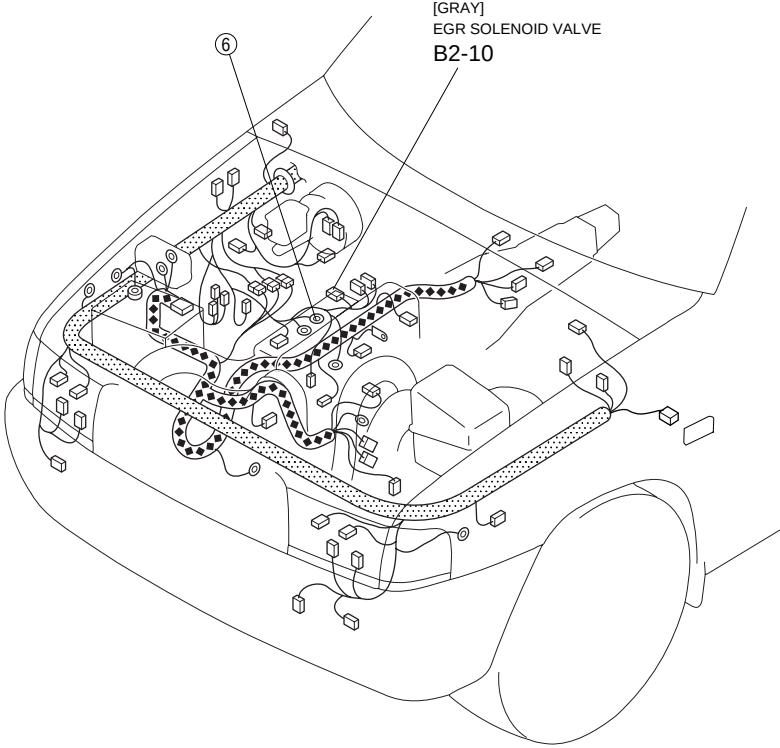
B2-01 PCM(F)

S	Q	O	M	K	I	G	E	C	A
BR/R	L/B	BR	GY	W/L	R	*	G/R	G	BR/W
Y/B	<Y>	P	*	B/W	R/L	G/W	W	B/Y	B/R
T	R	P	N	L	J	H	F	D	B

B2-10 EGR SOLENOID VALVE(F)

B/R	Y
-----	---

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

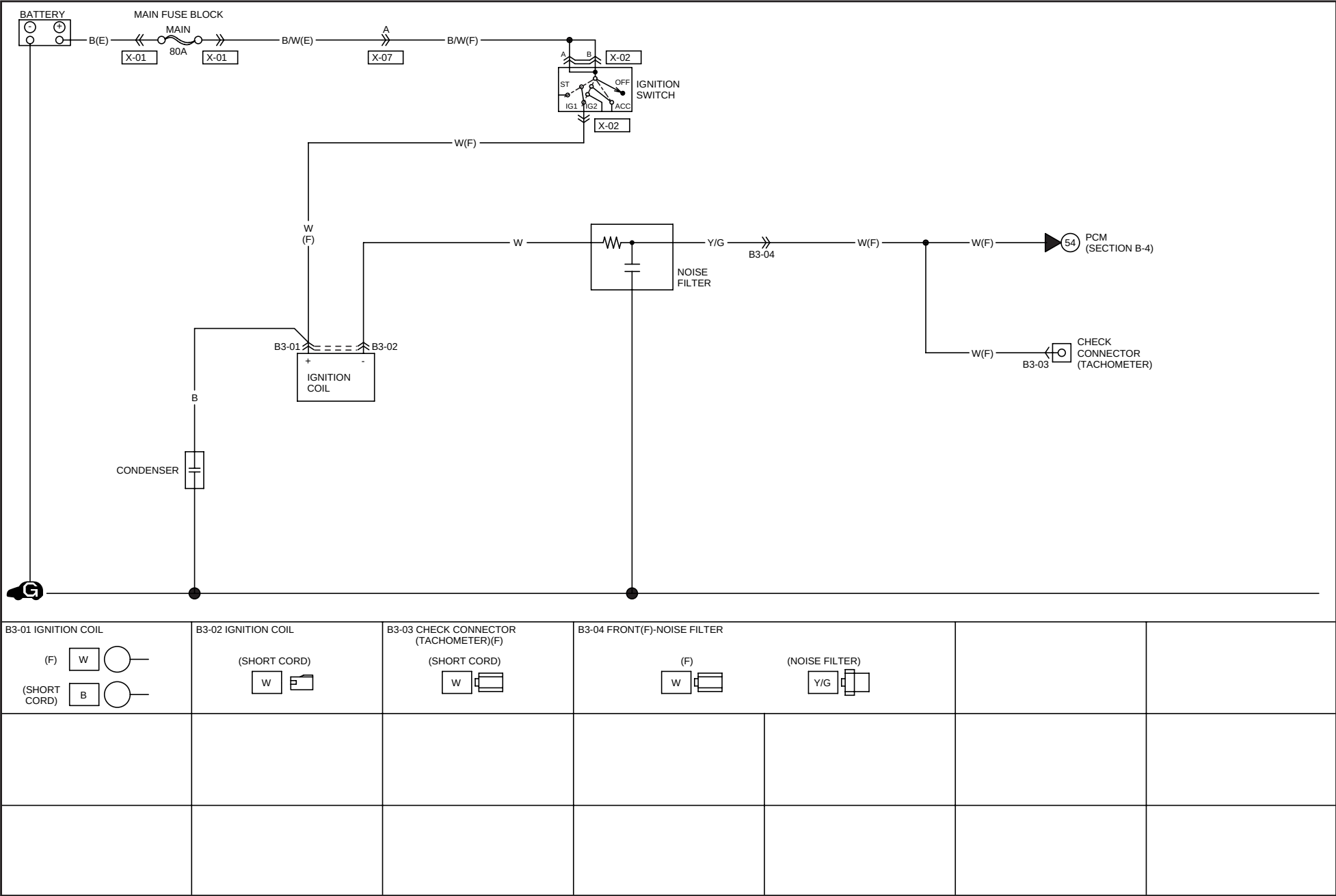


Z-34

WIRING DIAGRAM Z

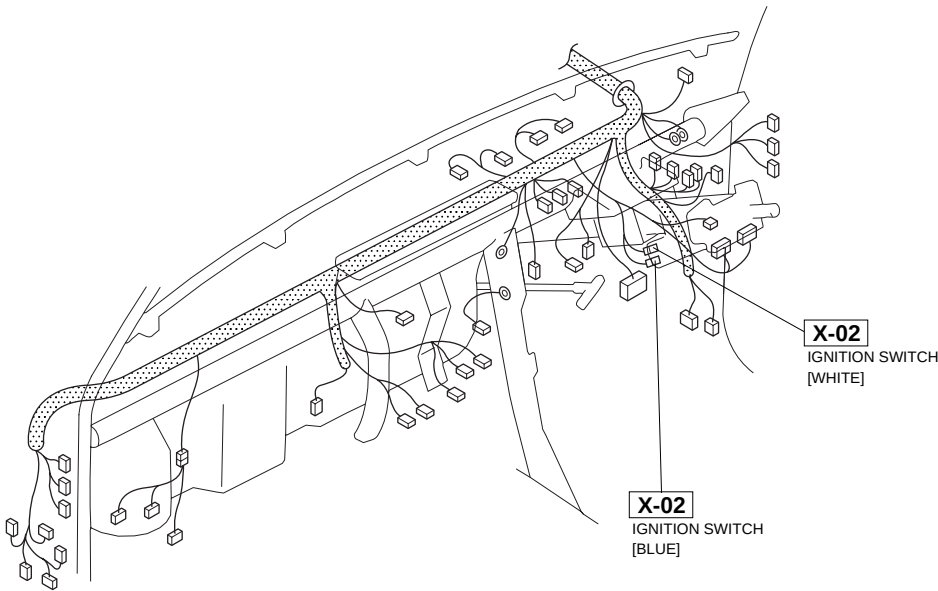
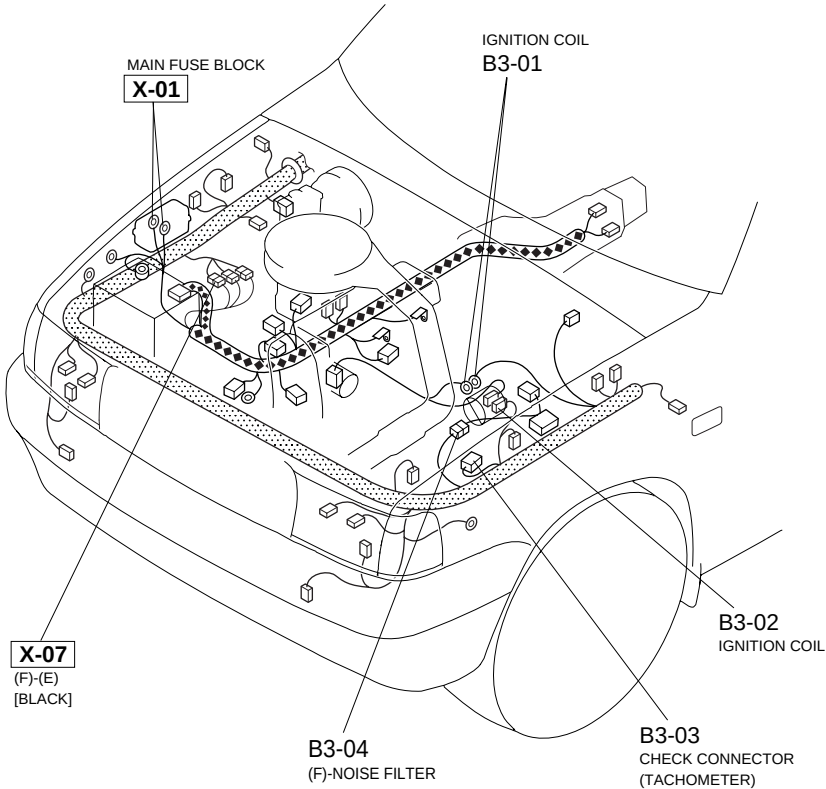
IGNITION SYSTEM (F2 CARB)

Z WIRING DIAGRAM

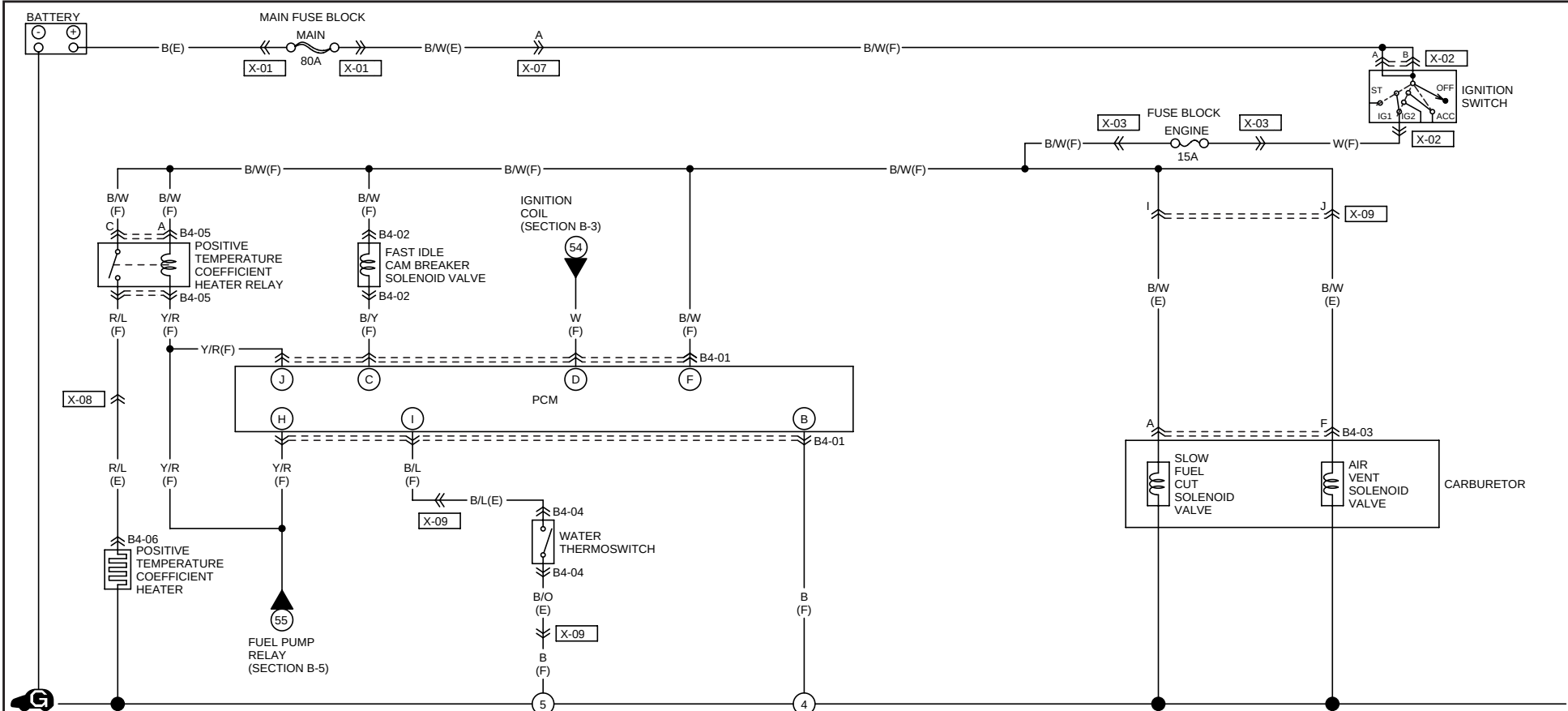


Z-35

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

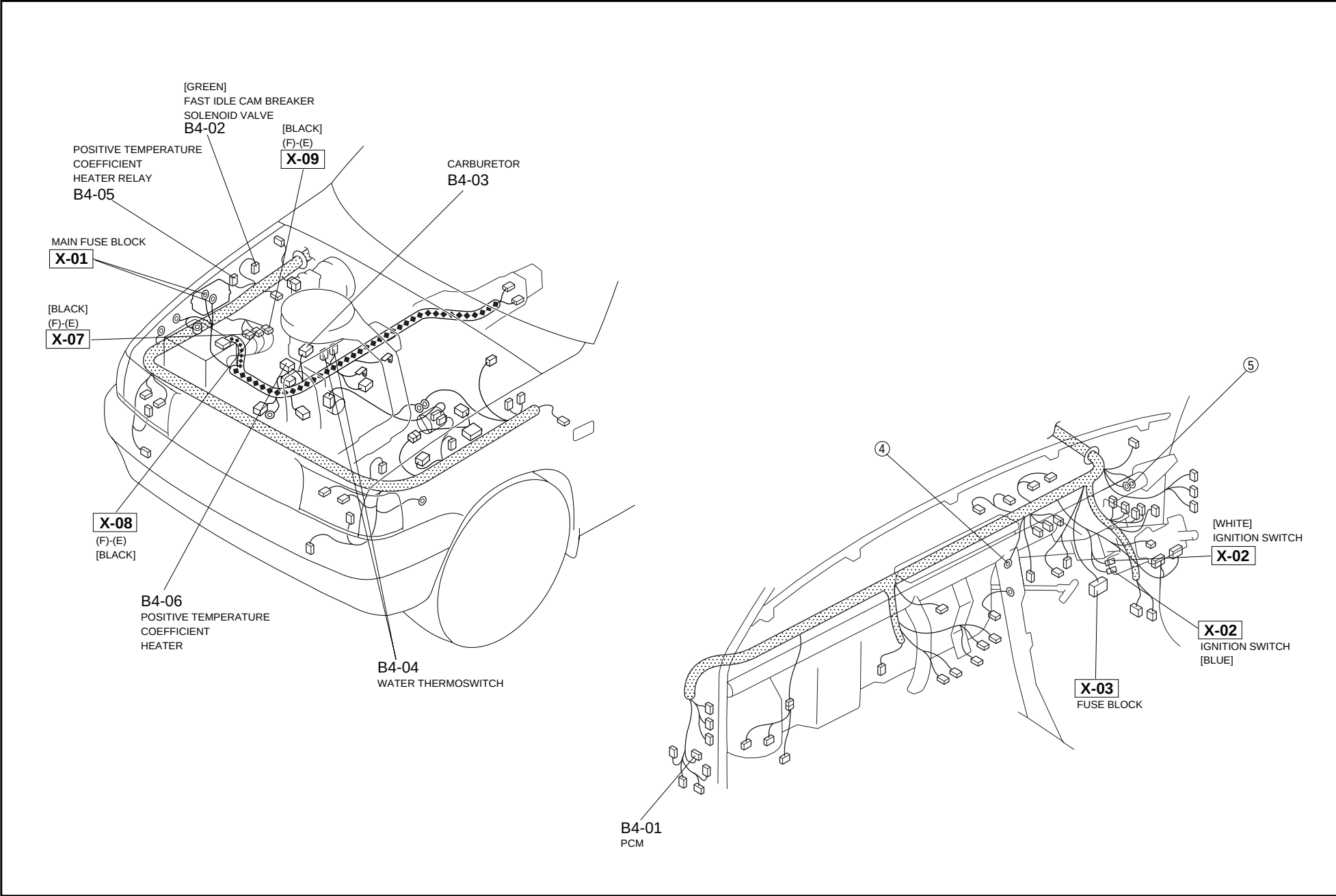


POWERTRAIN CONTROL SYSTEM (F2 CARB)



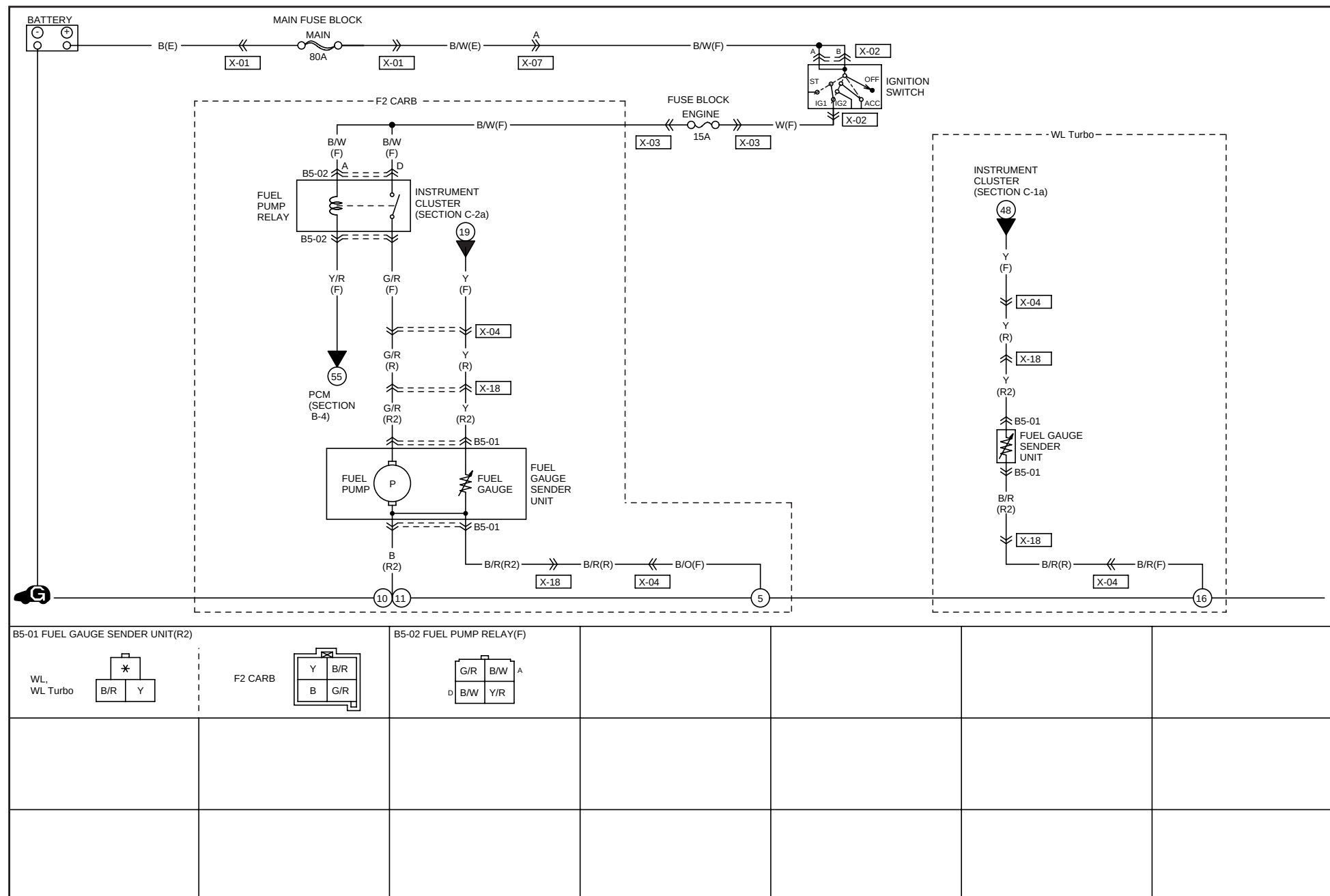
B4-01 PCM(F)	B4-02 FAST IDLE CAM BREAKER SOLENOID VALVE(F)	B4-03 CARBURETOR(E)	B4-04 WATER THERMOSWITCH(E)
B4-05 POSITIVE TEMPERATURE COEFFICIENT HEATER RELAY(F)	B4-06 POSITIVE TEMPERATURE COEFFICIENT HEATER(F)		

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

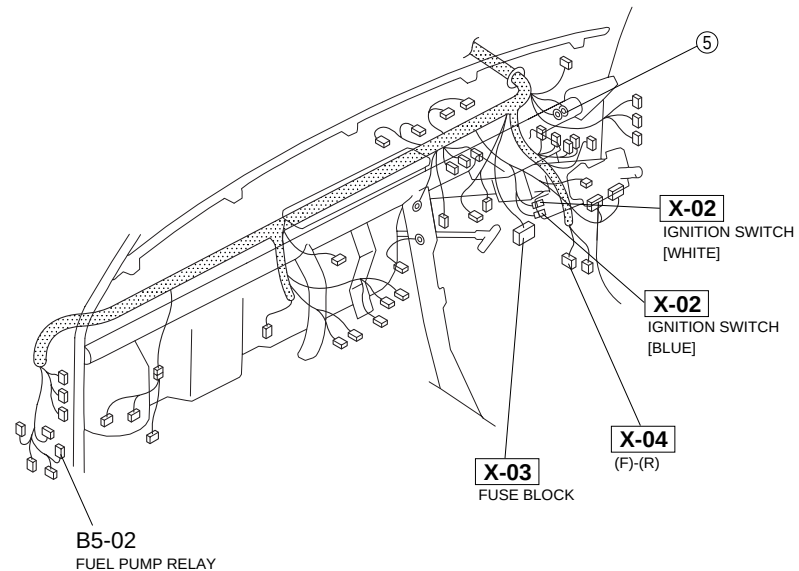
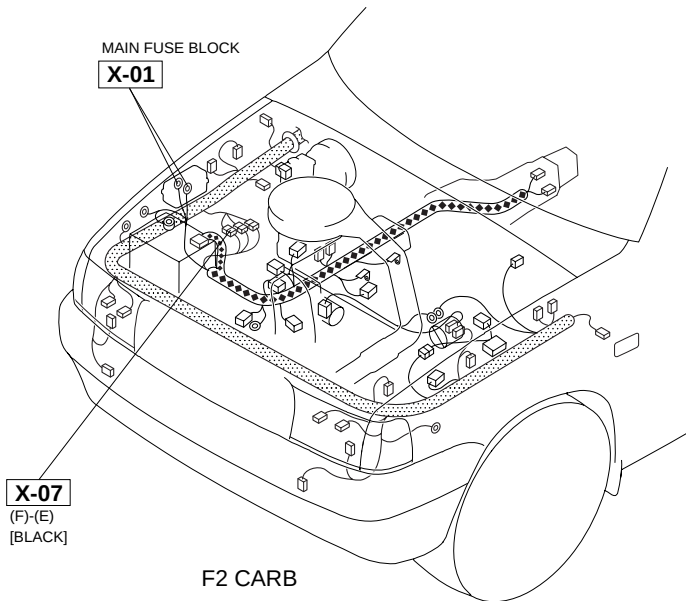
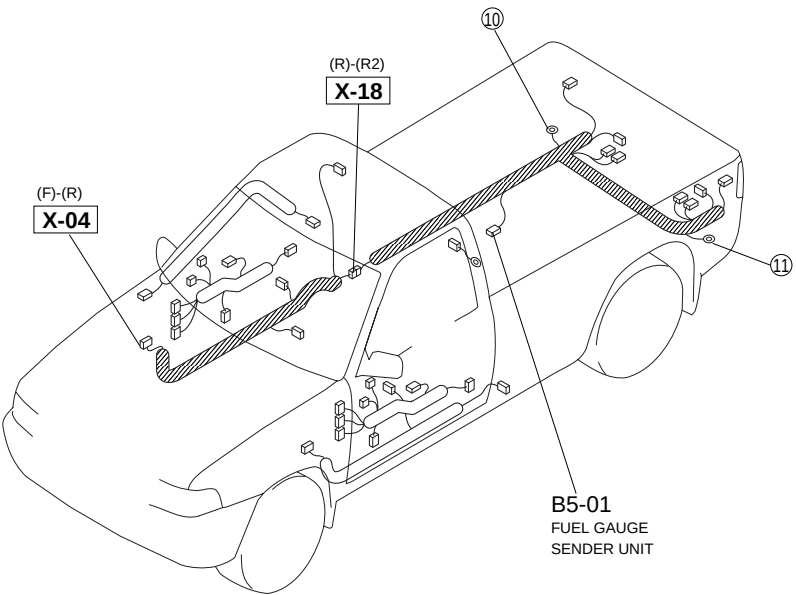
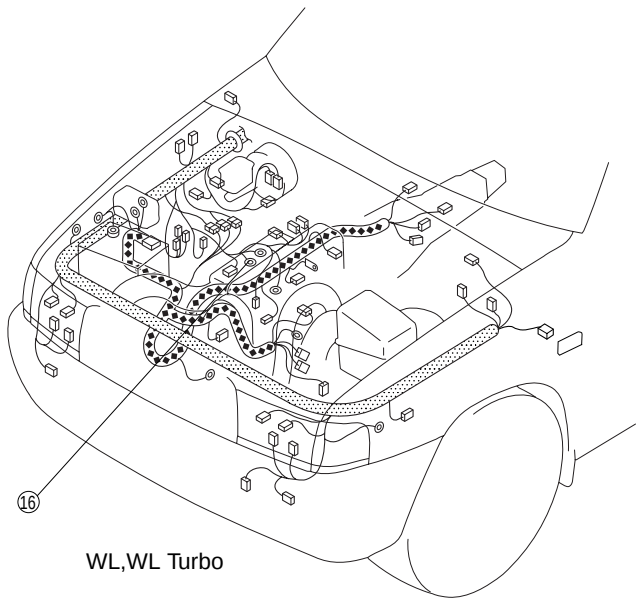


WIRING DIAGRAM Z

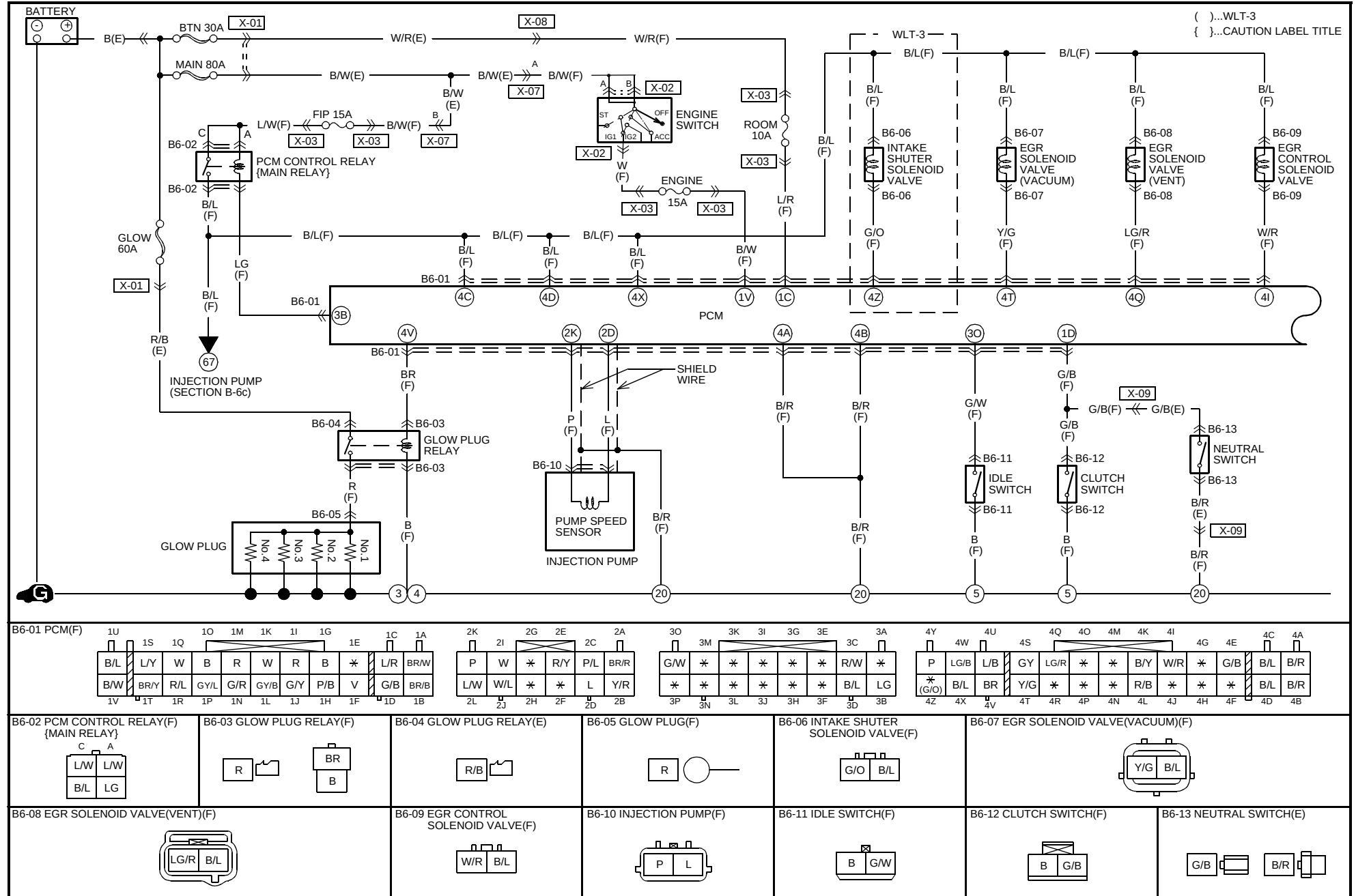
FUEL CONTROL SYSTEM



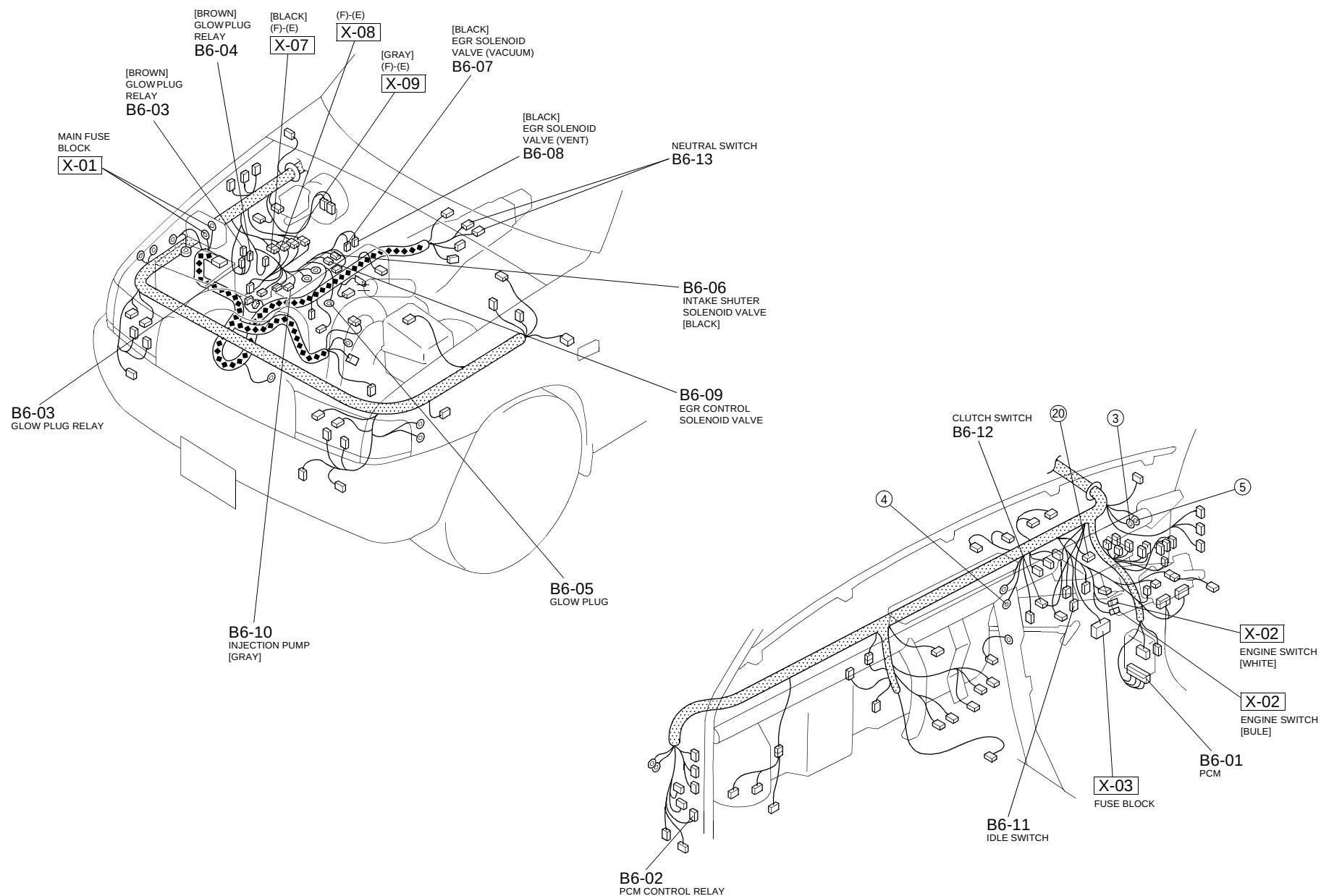
HARNESS SYMBOL :  (F)  (E)  (R)



Z-41



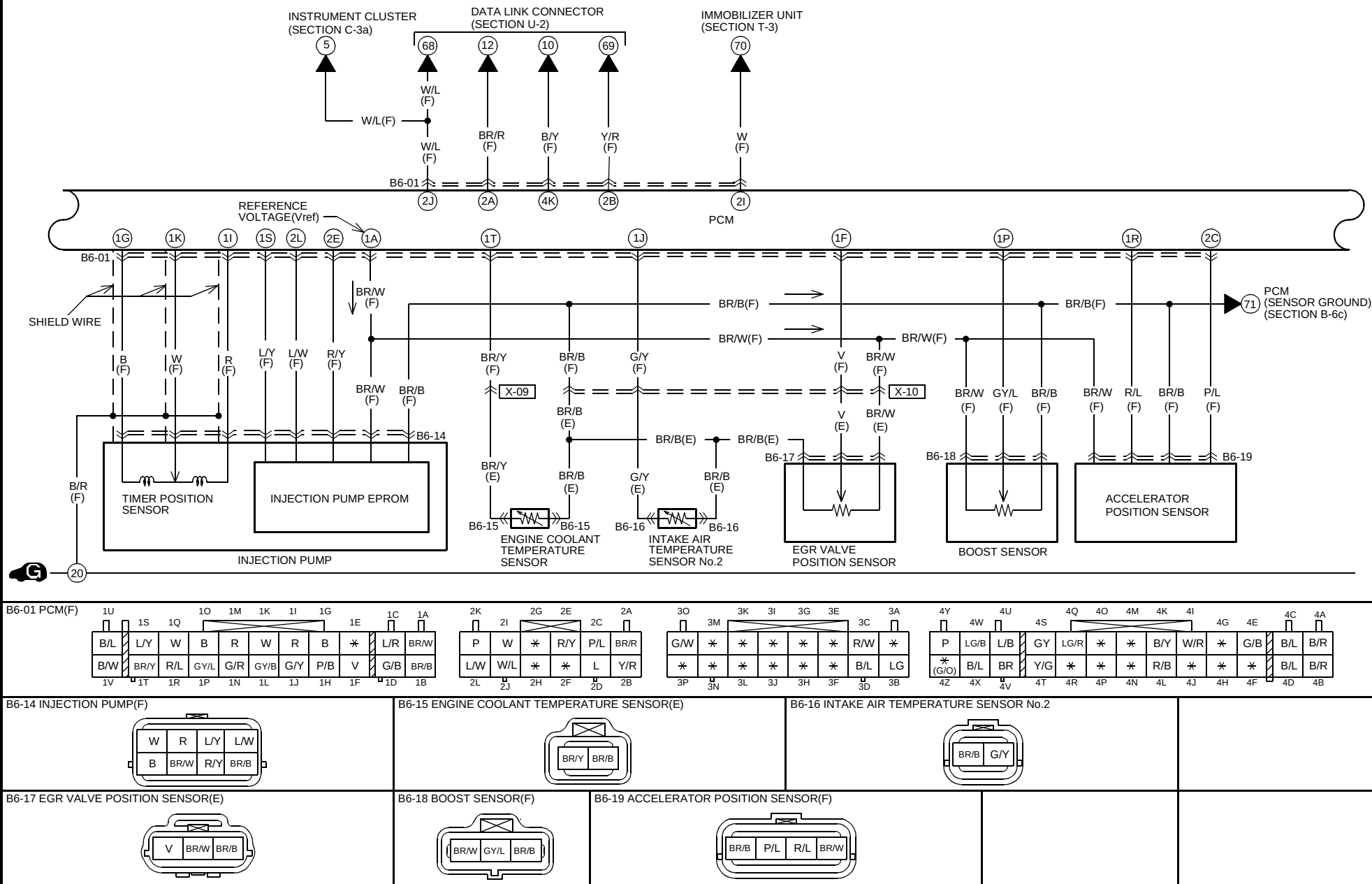
HARNESS SYMBOL :  (F)  (E)  (R)



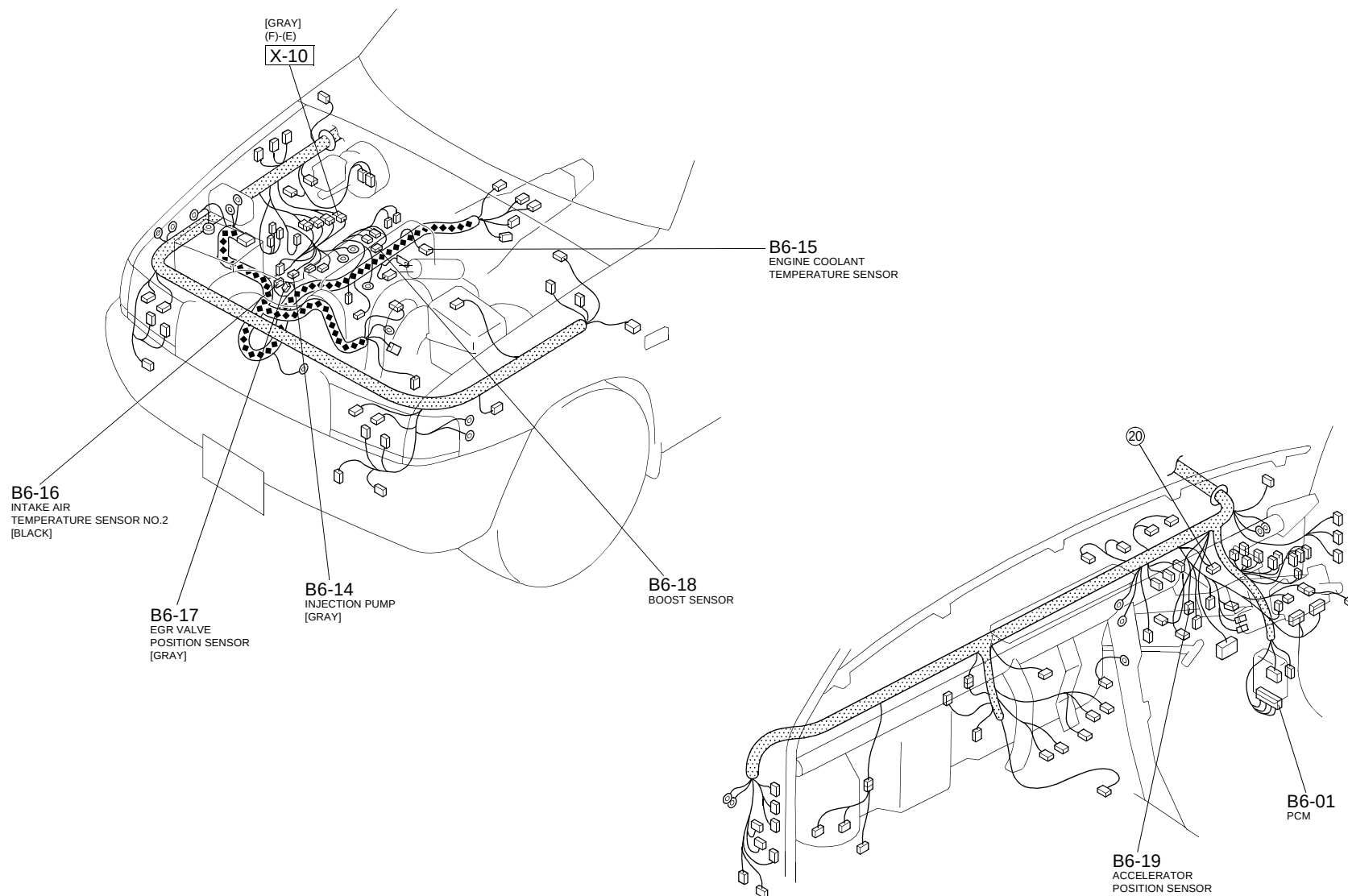
WIRING DIAGRAM Z

POWERTRAIN CONTROL SYSTEM / GLOW SYSTEM (WL-3, WLT-3, as of model year 2002)

()...WLT-3

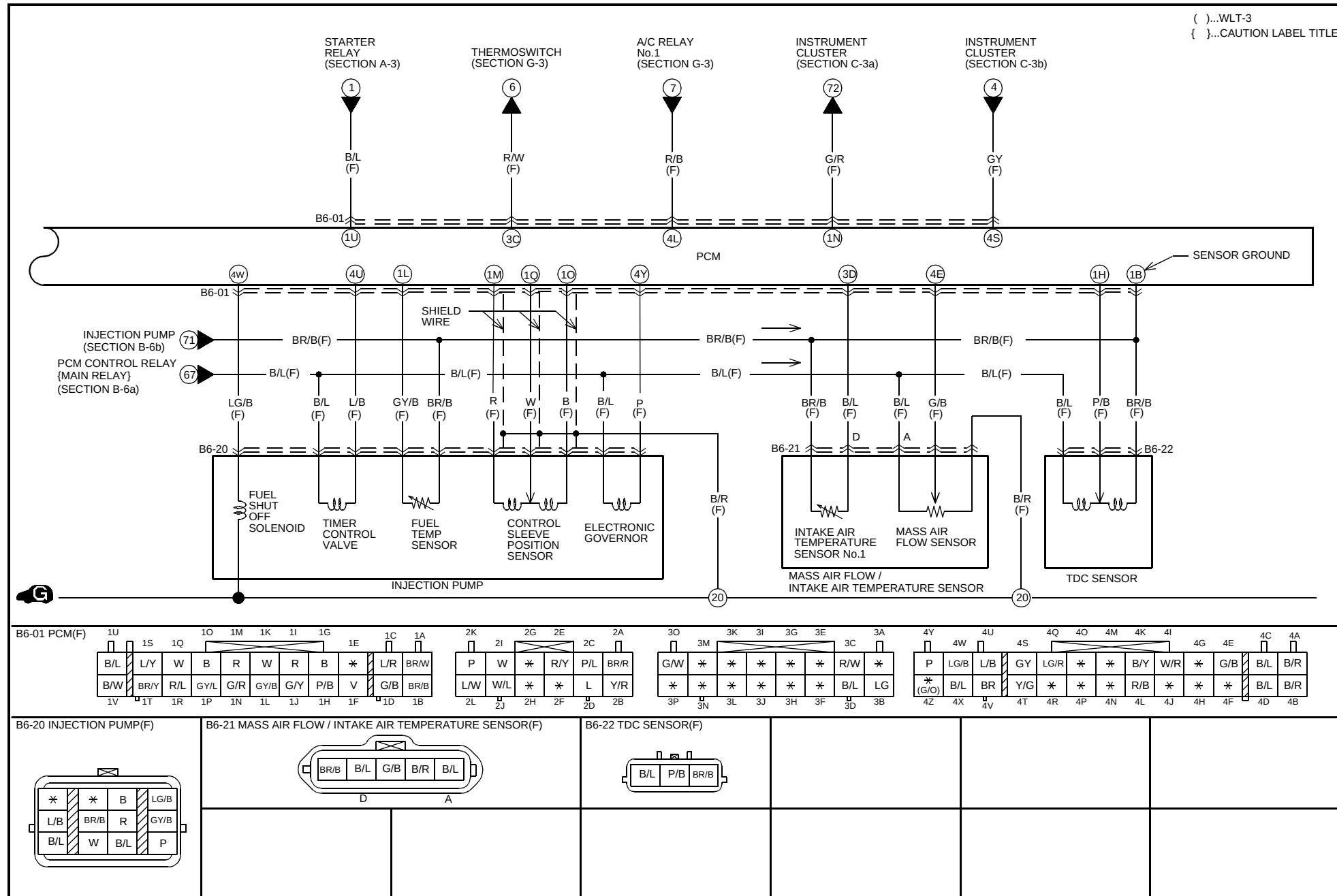


HARNESS SYMBOL :  (F)  (E)  (R)



WIRING DIAGRAM Z

POWERTRAIN CONTROL SYSTEM / GLOW SYSTEM (WL-3, WLT-3, as of model year 2002)



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

B6-22
TDC SENSOR
[GRAY]

B6-20
INJECTION PUMP
[GRAY]

B6-21
MASS AIR FLOW /
INTAKE AIR TEMPERATURE SENSOR

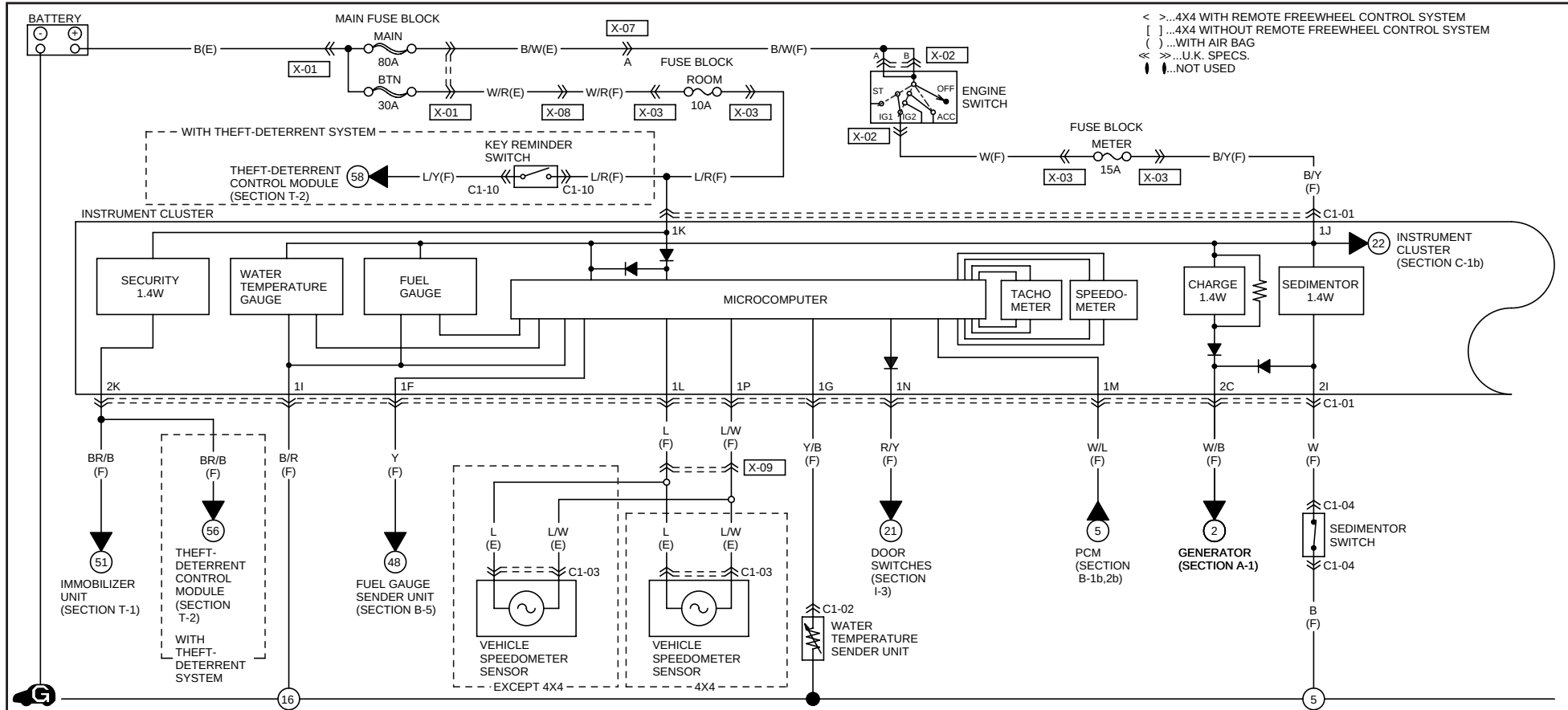
B6-01
PCM

WIRING DIAGRAM Z

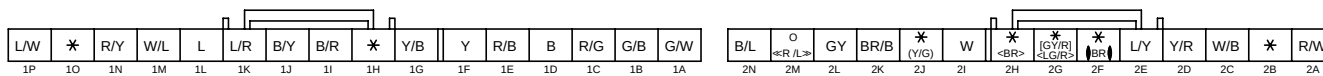
B-6c

Z-46

INSTRUMENT CLUSTER (WL, WL Turbo, before model year 2002)



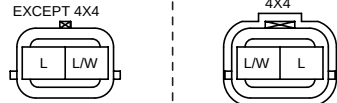
C1-01 INSTRUMENT CLUSTER(F)



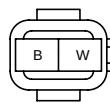
C1-02 WATER TEMPERATURE SENDER UNIT(F)



C1-03 VEHICLE SPEEDOMETER SENSOR(E)



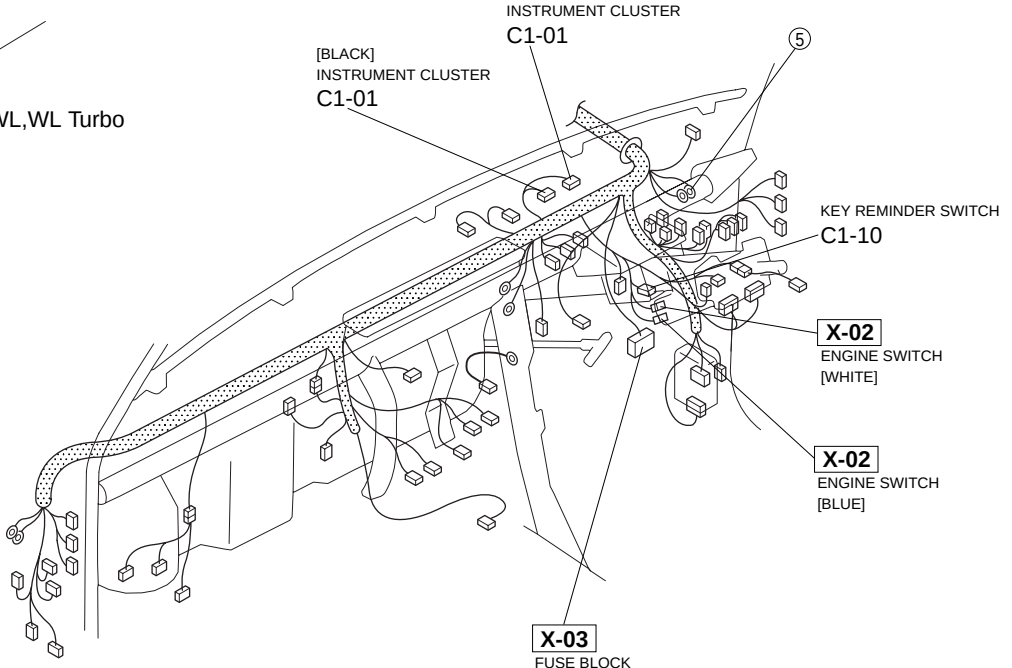
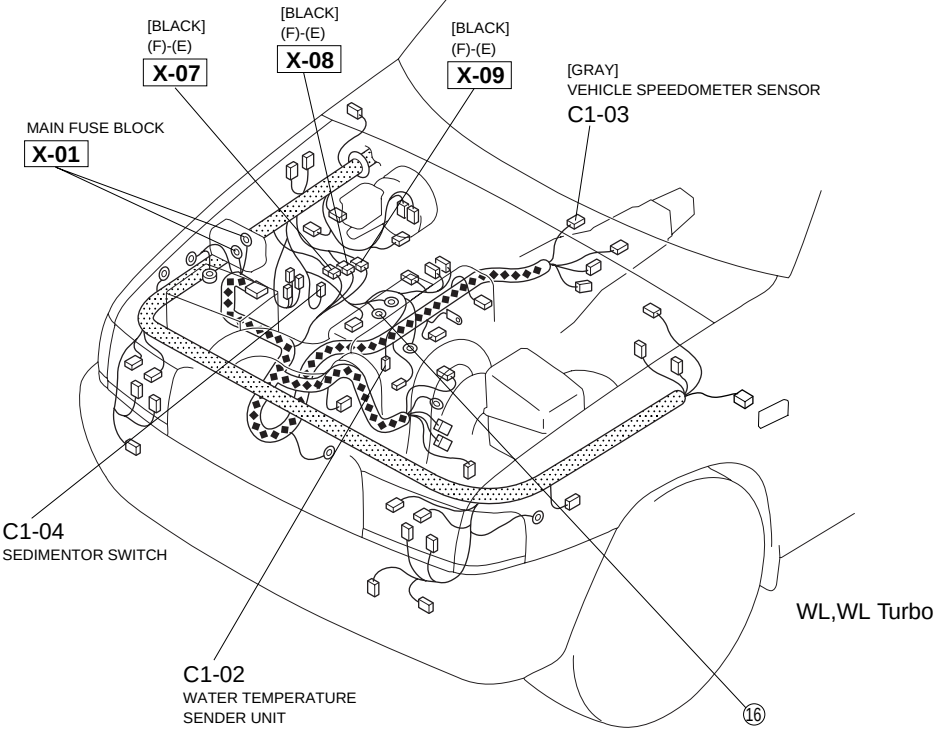
C1-04 SEDIMENTOR SWITCH(F)



C1-04 KEY REMINDER SWITCH(F)

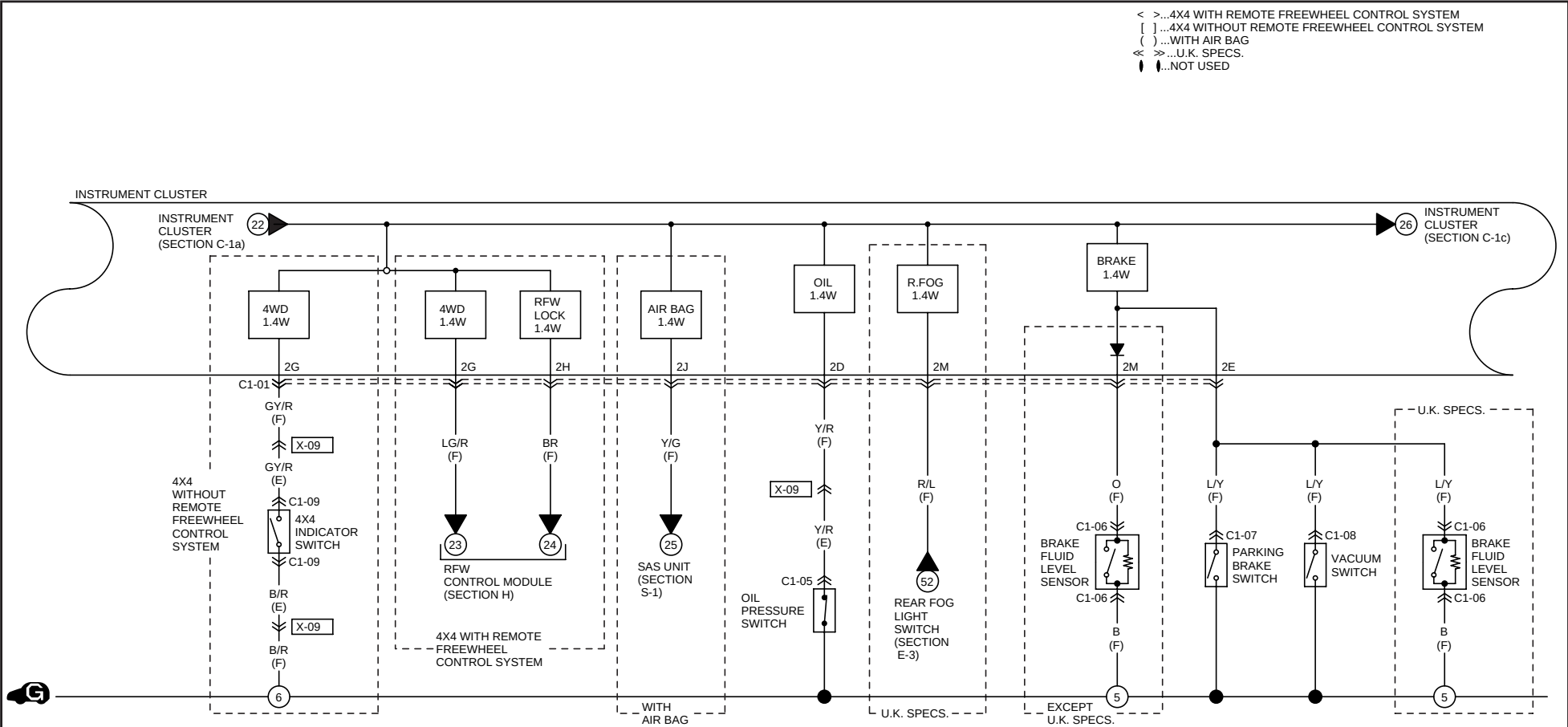


HARNESS SYMBOL :  (F)  (E)  (R)

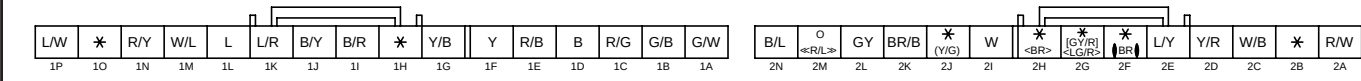


INSTRUMENT CLUSTER (WL, WL Turbo, before model year 2002)

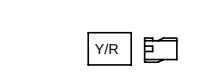
< >...4X4 WITH REMOTE FREEWHEEL CONTROL SYSTEM
[] ...4X4 WITHOUT REMOTE FREEWHEEL CONTROL SYSTEM
() ...WITH AIR BAG
<> ...U.K. SPECS.
! ...NOT USED



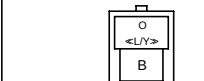
C1-01 INSTRUMENT CLUSTER(F)



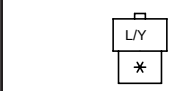
C1-05 OIL PRESSURE SWITCH (E)



C1-06 BRAKE FLUID LEVEL SENSOR(F)



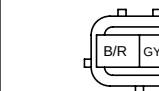
C1-07 PARKING BRAKE SWITCH(F)



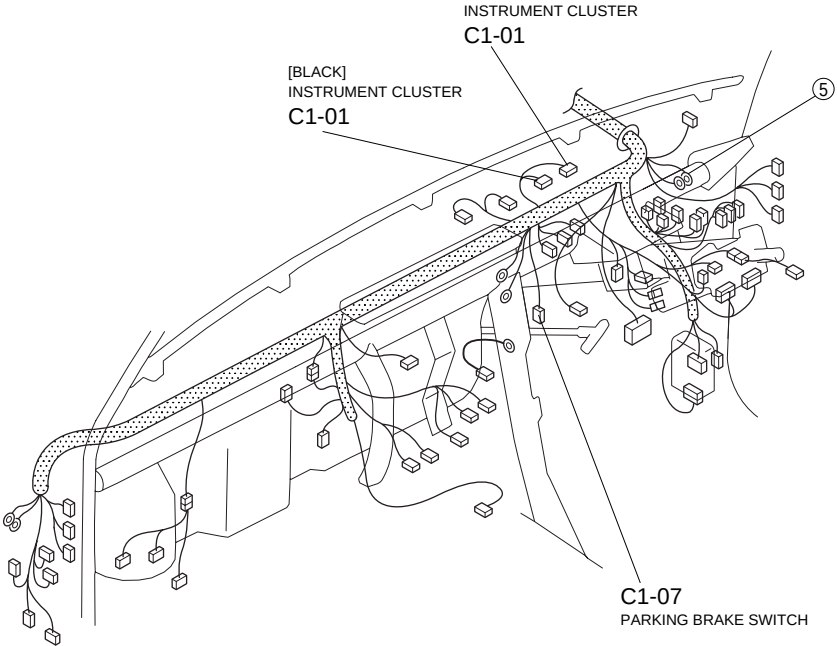
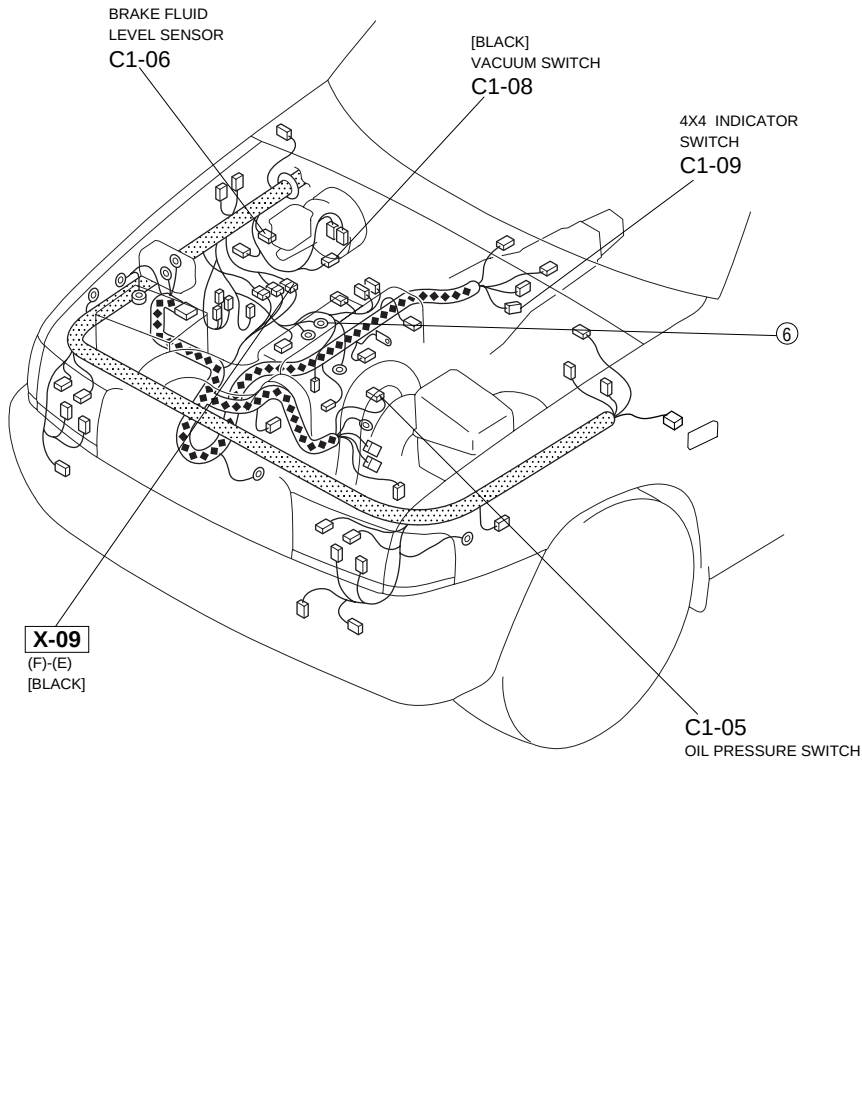
C1-08 VACUUM SWITCH(F)



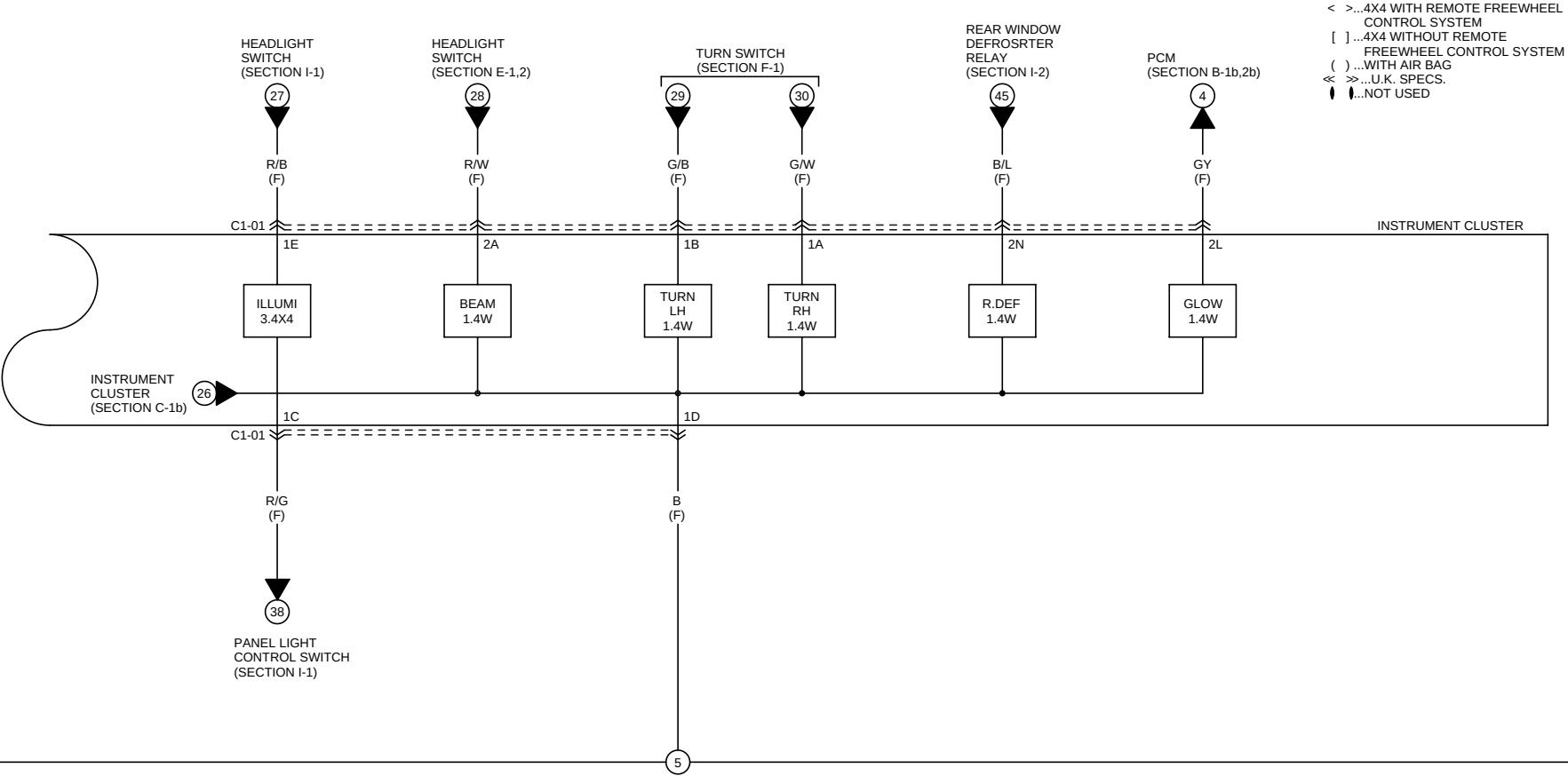
C1-09 4X4 INDICATOR SWITCH(E)



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



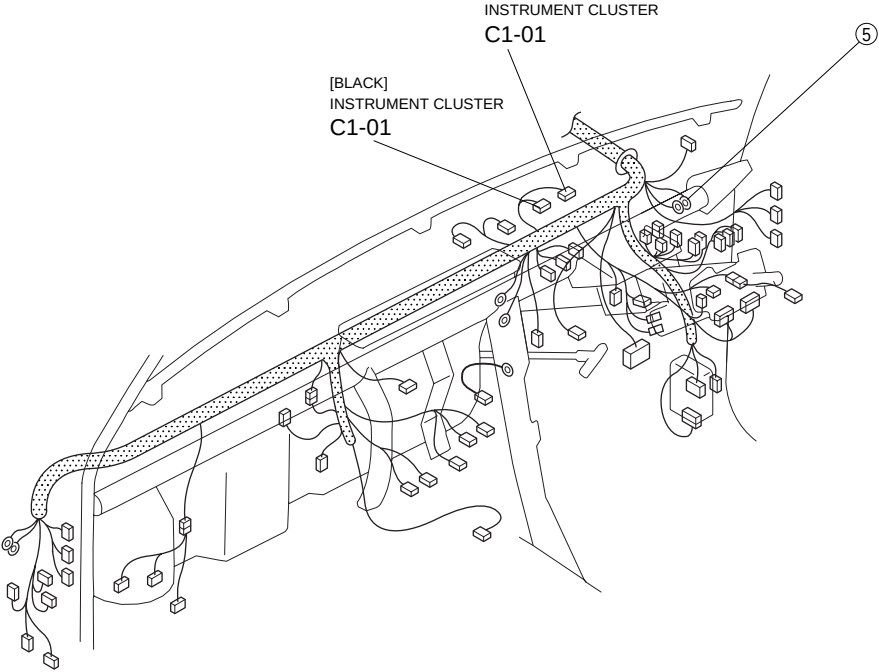
INSTRUMENT CLUSTER (WL, WL Turbo, before model year 2002)



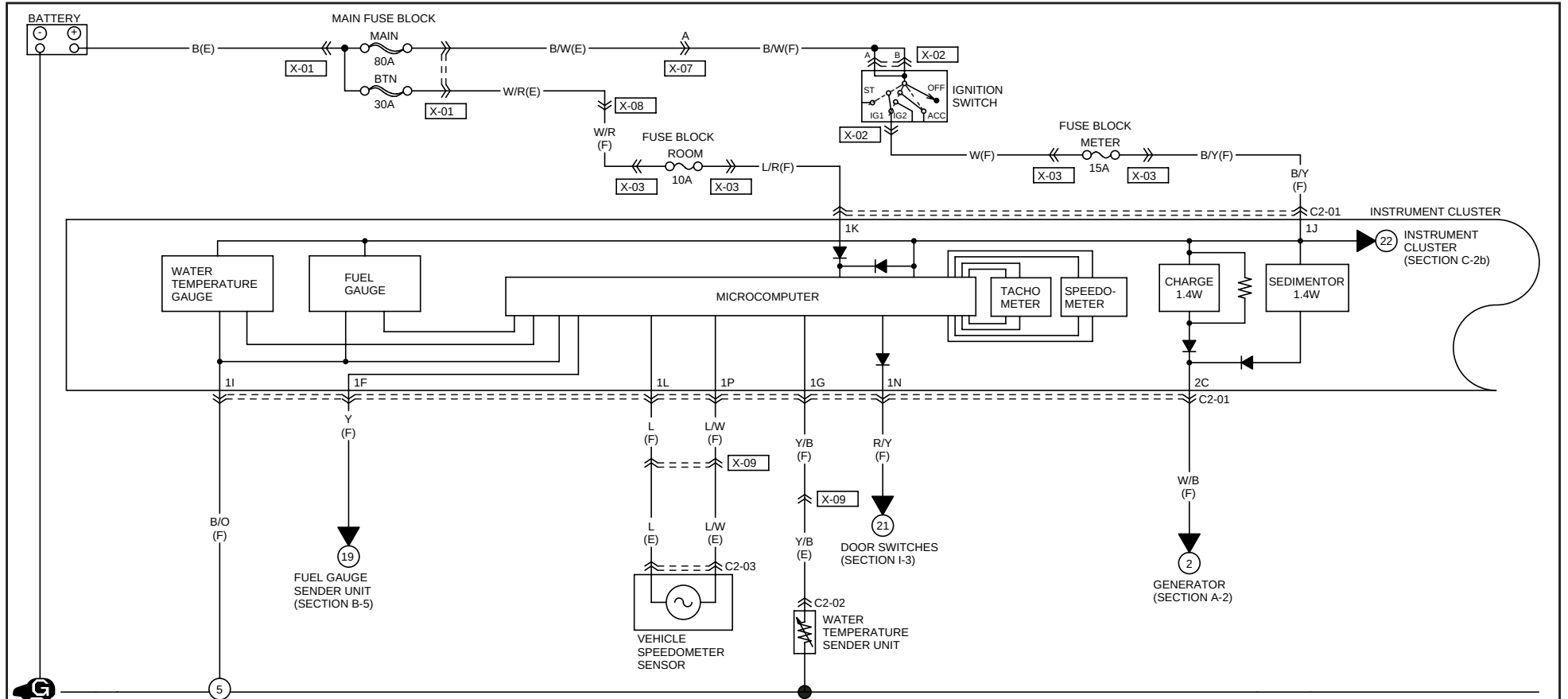
C-01 INSTRUMENT CLUSTER(F)

L/W	*	R/Y	W/L	L	L/R	B/Y	B/R	*	Y/B	Y	R/B	B	R/G	G/B	G/W	B/L	○ ◀R/L▶	GY	BR/B	*	(Y/G)	W	*	 	[GY/R] <LGR>	*	L/Y	Y/R	W/B	*	R/W
1P	1O	1N	1M	1L	1K	1J	1I	1H	1G	1F	1E	1D	1C	1B	1A	2N	2M	2L	2K	2J	2I	2H	2G	2F	2E	2D	2C	2B	2A		

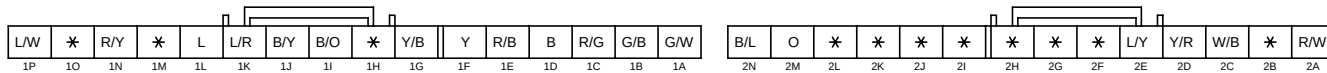
HARNESS SYMBOL :  (F)  (E)  (R)



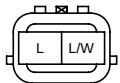
INSTRUMENT CLUSTER (F2 CARB)



C2-01 INSTRUMENT CLUSTER(F)



C2-03 VEHICLE SPEEDOMETER SENSOR(E)

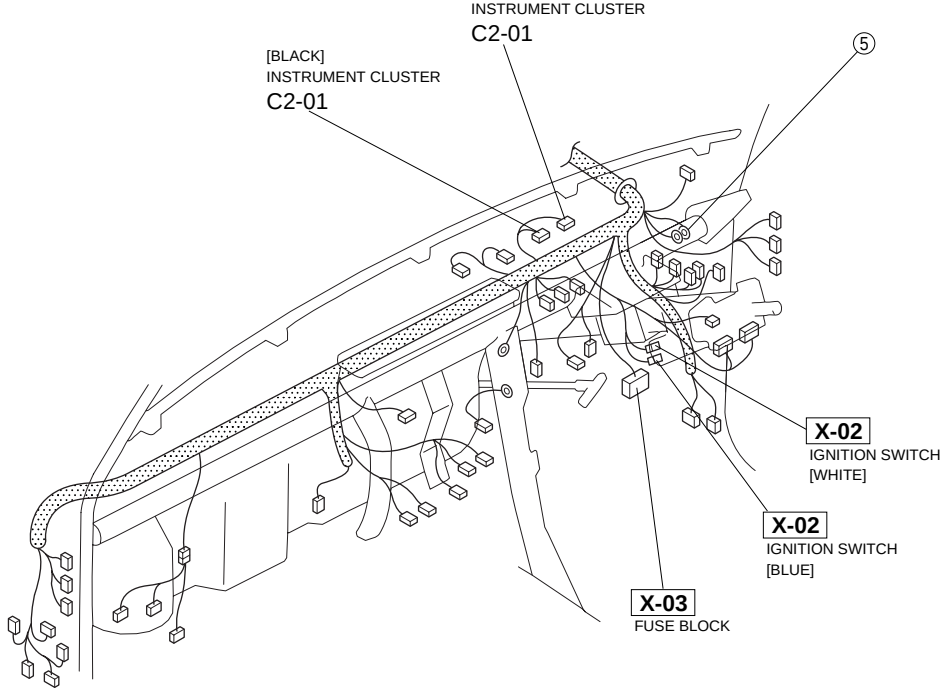
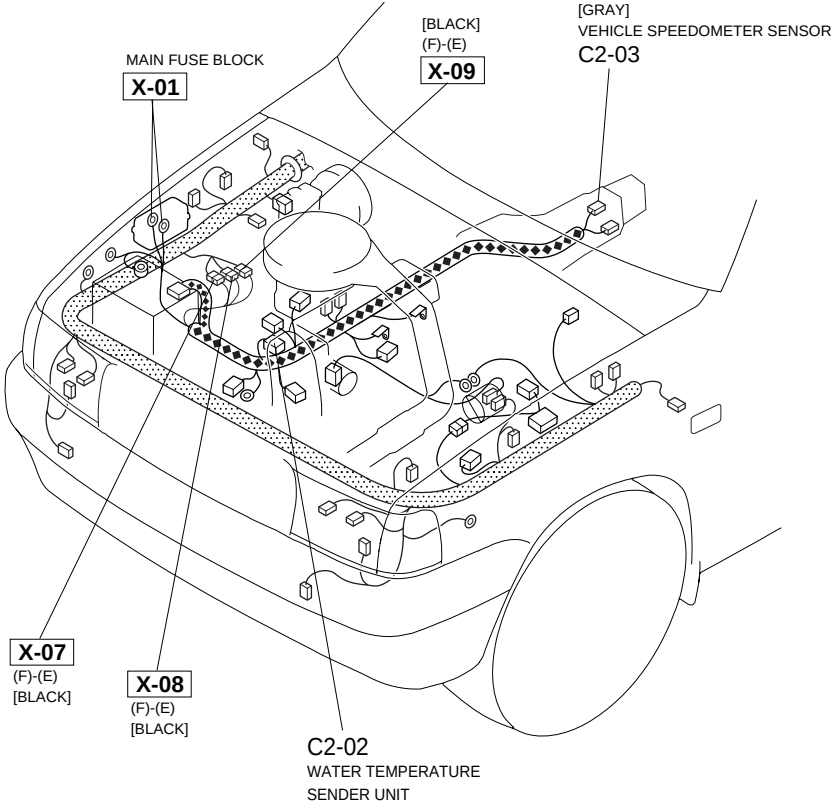


C2-02 WATER TEMPERATURE SENDER UNIT(E)



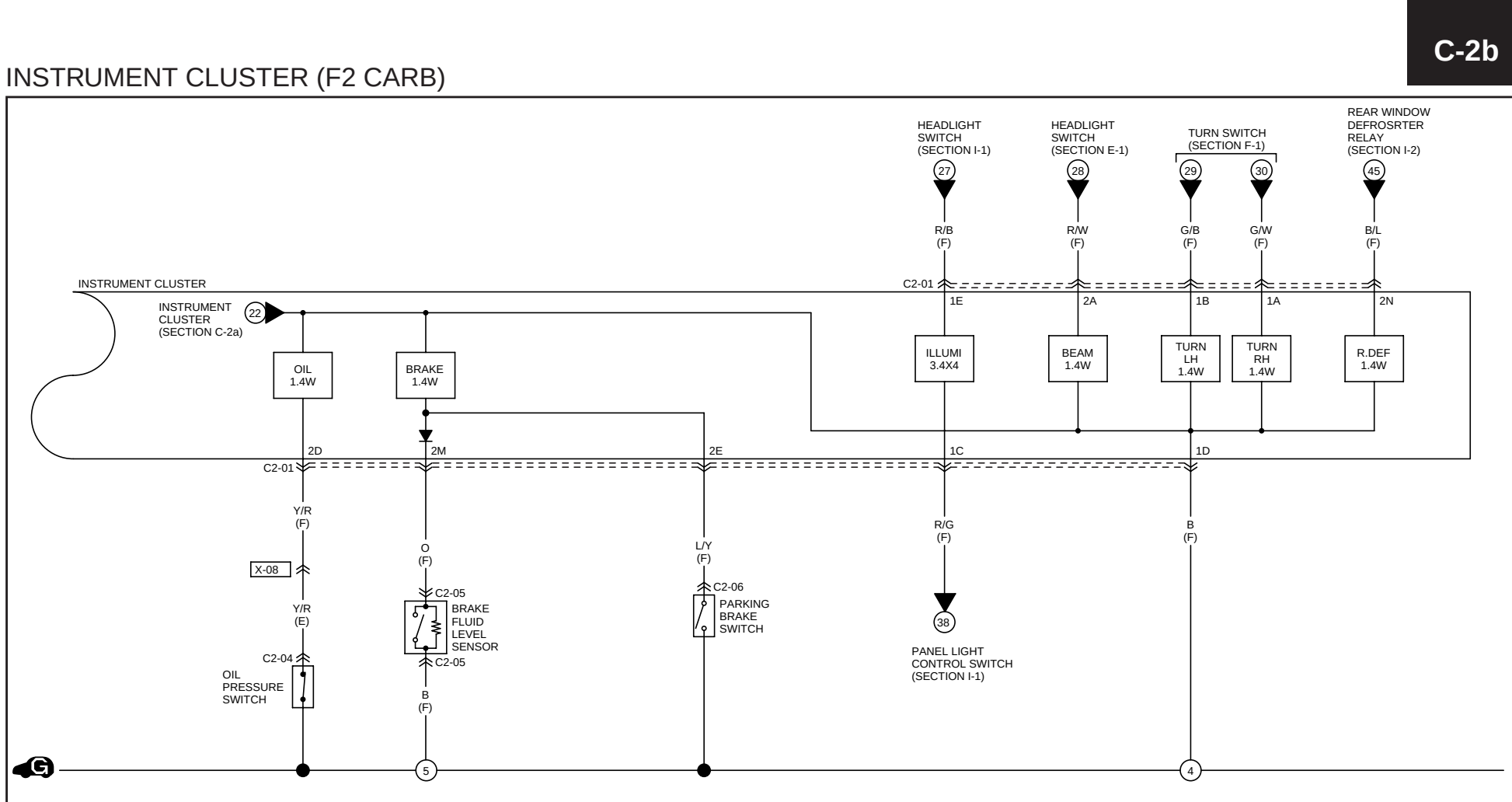
HARNESS SYMBOL :  (F)  (E)  (R)

Z-54



WIRING DIAGRAM Z

INSTRUMENT CLUSTER (E2 CARB)

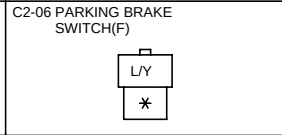
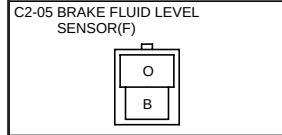


C2-01 INSTRUMENT CLUSTER(F)

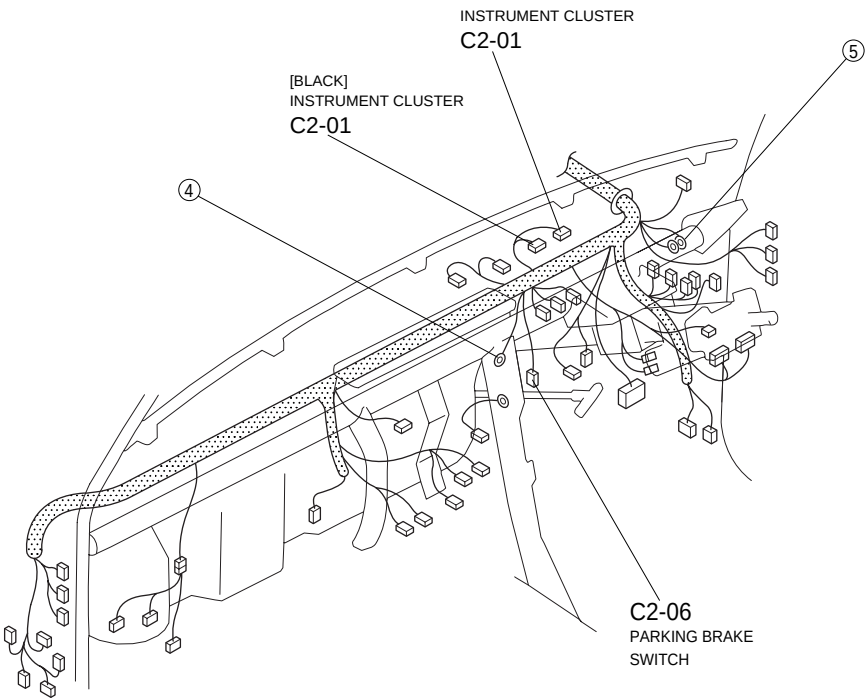
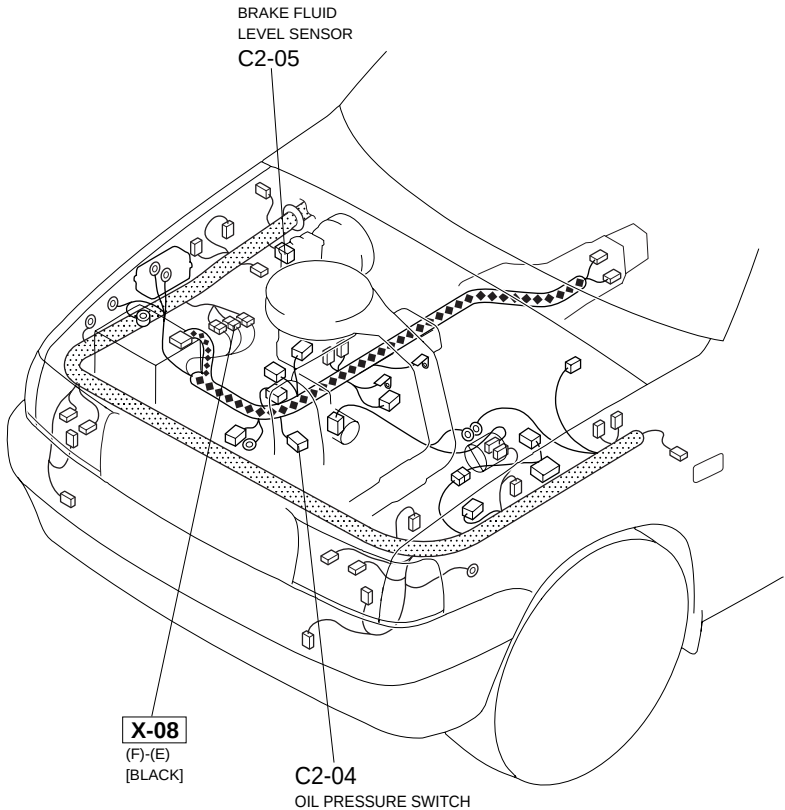
L/W	*	R/Y	*	L	L/R	B/Y	B/O	*	Y/B	Y	R/B	B	R/G	G/B	G/W
1P	1O	1N	1M	1L	1K	1J	1I	1H	1G	1F	1E	1D	1C	1B	1A

B/L	O	*	*	*	*	*	*	*	L/Y	Y/R	W/B	*	R/W
2N	2M	2L	2K	2J	2I	2H	2G	2F	2E	2D	2C	2B	2A

C2-04 OIL PRESSURE SWITCH(E)



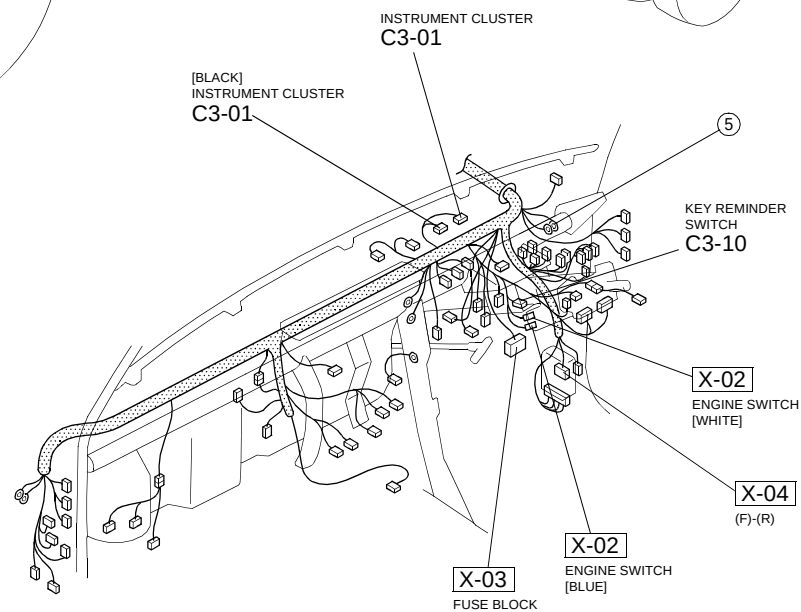
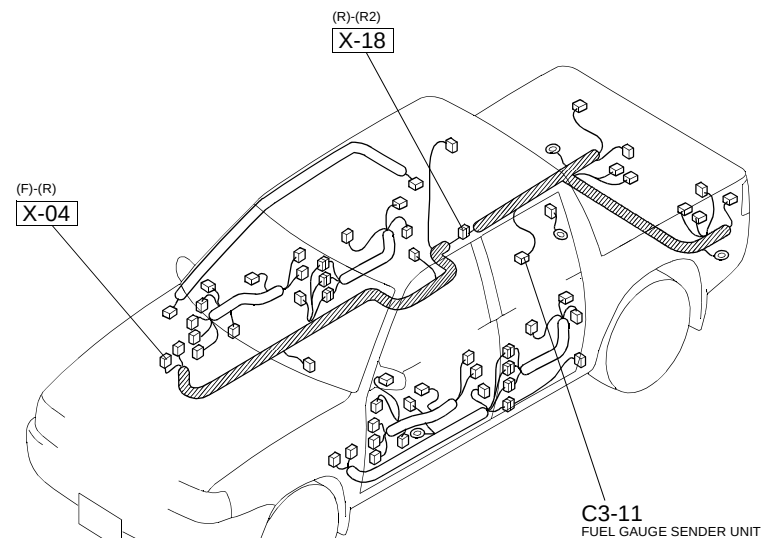
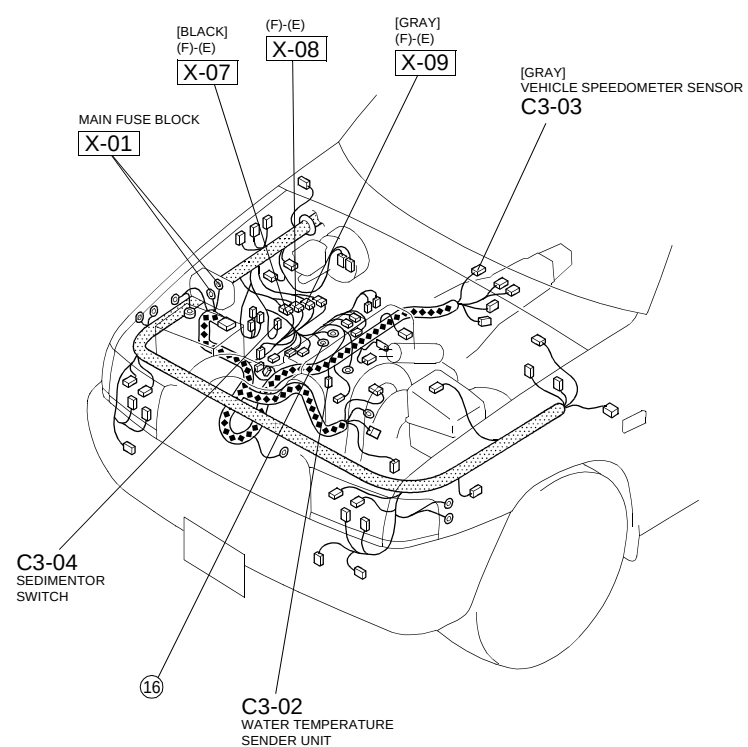
HARNESS SYMBOL :  (F)  (E)  (R)



Z-57

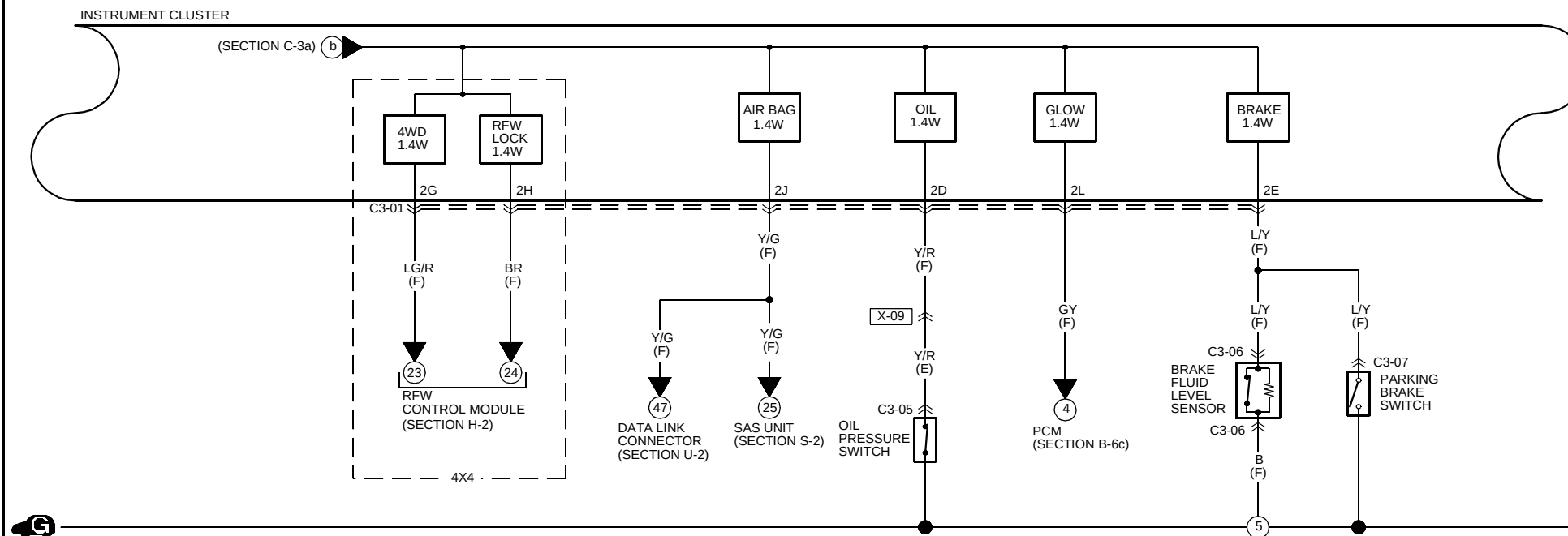


HARNESS SYMBOL :  (F)  (E)  (R)

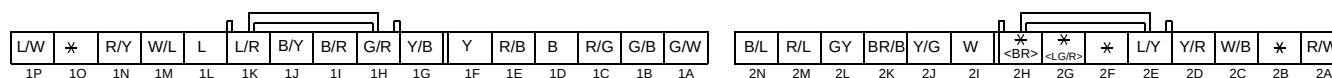


INSTRUMENT CLUSTER (WL-3, WLT-3, as of model year 2002)

< >...4X4



C3-01 INSTRUMENT CLUSTER(F)



C3-05 OIL PRESSURE SWITCH (E)



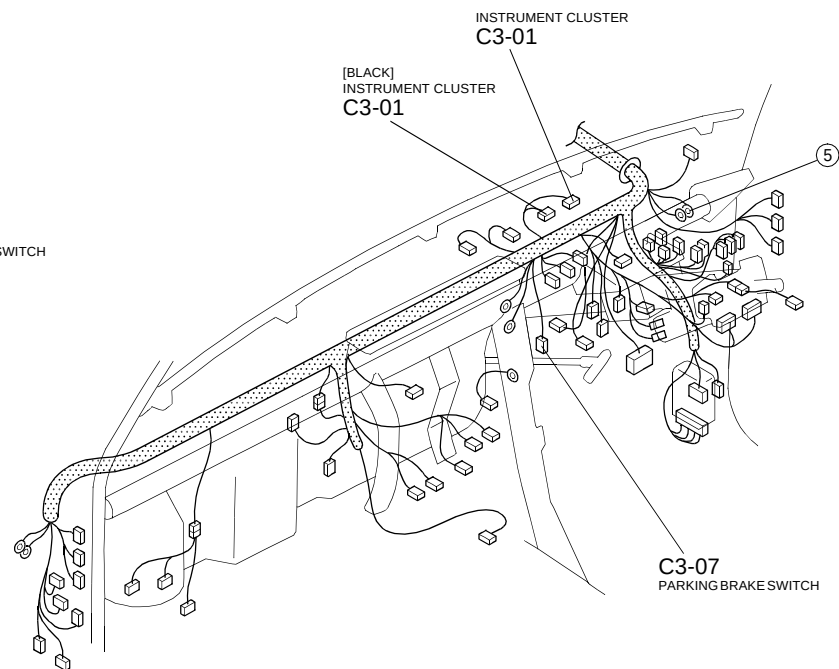
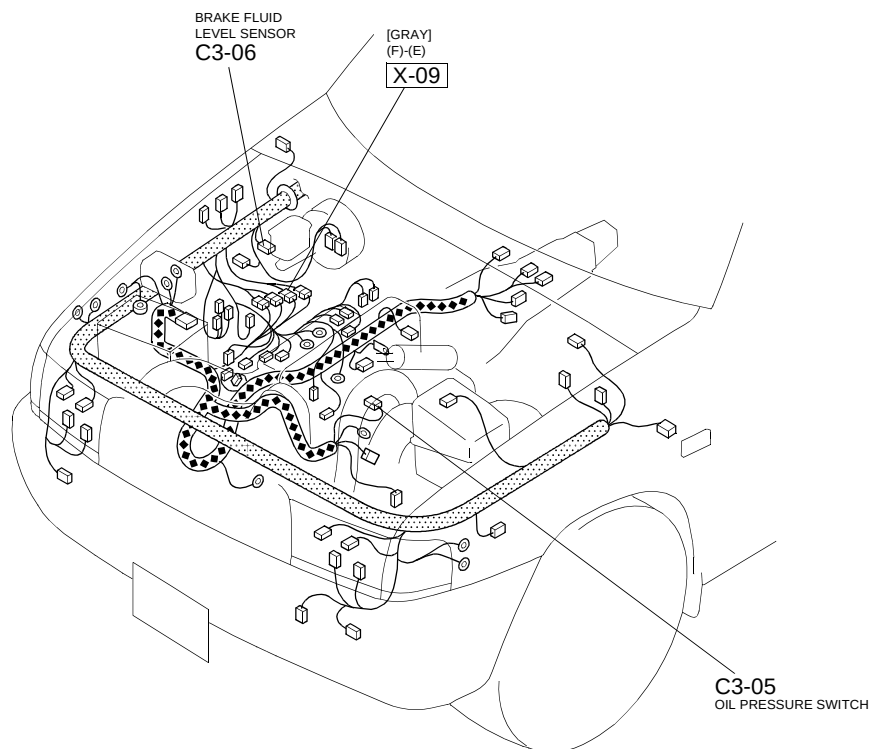
C3-06 BRAKE FLUID LEVEL SENSOR(F)



C3-07 PARKING BRAKE SWITCH(F)

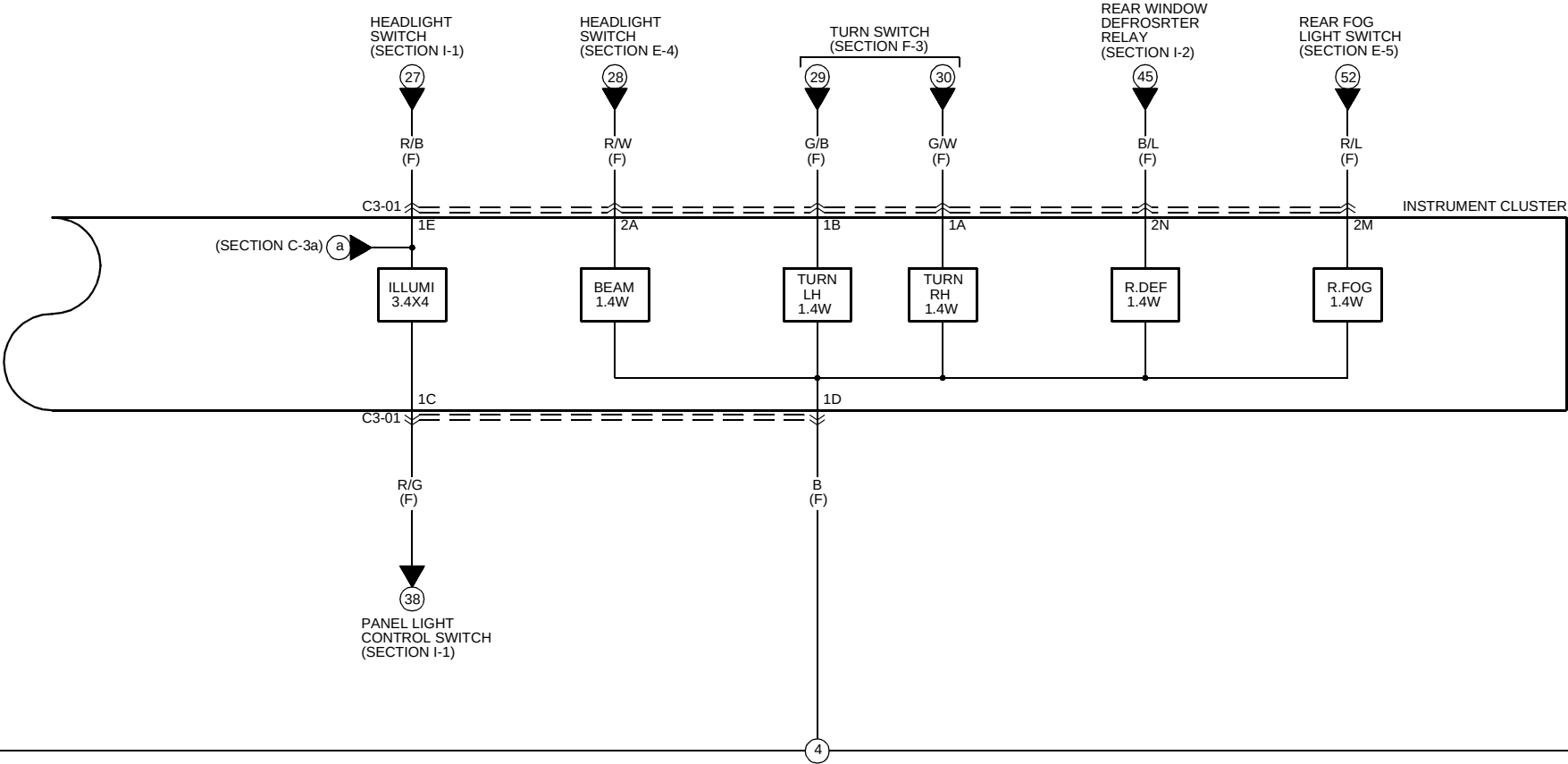


HARNESS SYMBOL :  (F)  (E)  (R)



09-Z

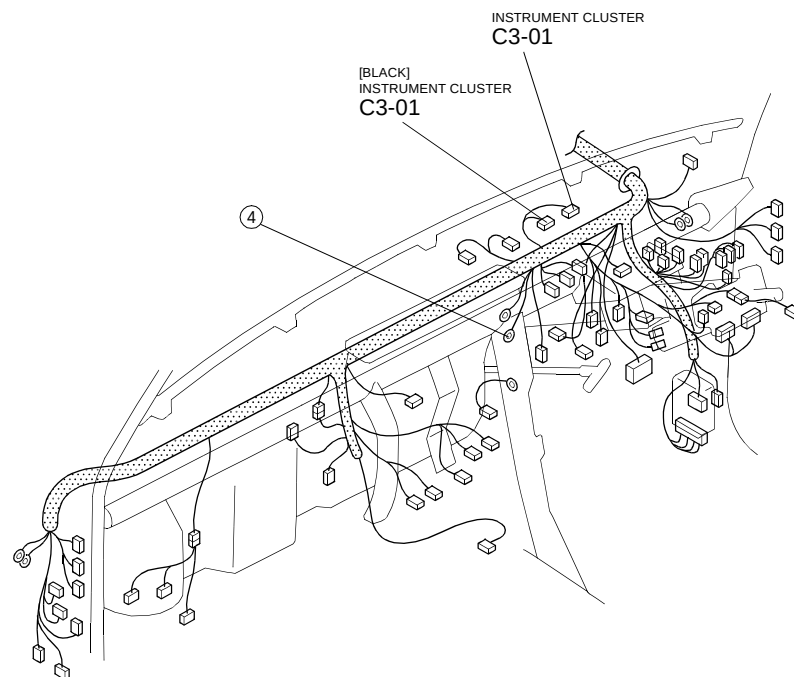
WIRING DIAGRAM Z



C3-01 INSTRUMENT CLUSTER(F)

L/W	*	R/Y	W/L	L	L/R	B/Y	B/R	G/R	Y/B	Y	R/B	B	R/G	G/B	G/W	B/L	R/L	GY	BR/B	Y/G	W	*	 	<L.G/R>	*	L/Y	Y/R	W/B	*	R/W
1P	1O	1N	1M	1L	1K	1J	1I	1H	1G	1F	1E	1D	1C	1B	1A	2N	2M	2L	2K	2J	2I	2H	2G	2F	2E	2D	2C	2B	2A	

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



Z-62

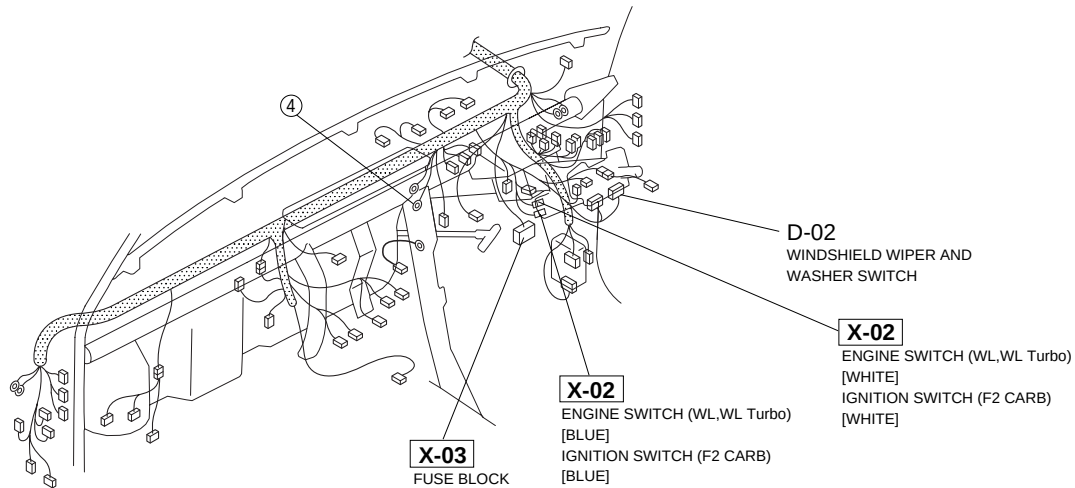
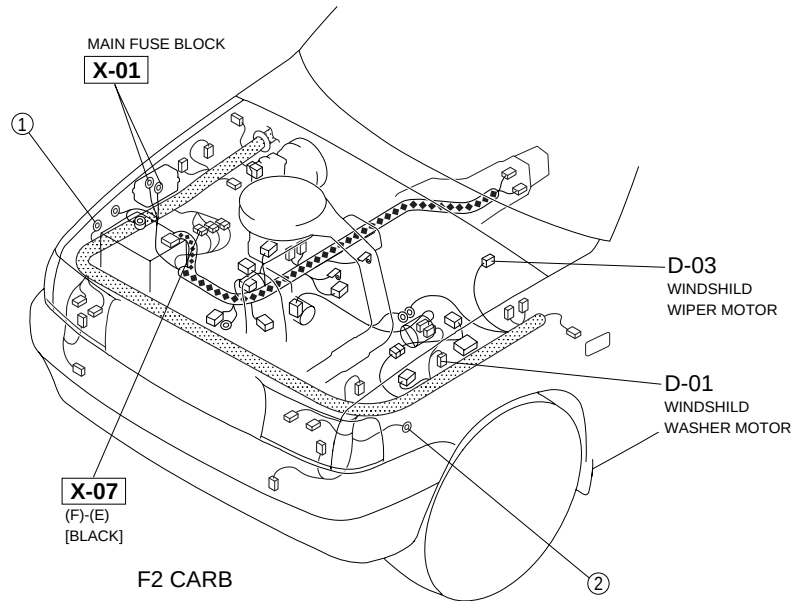
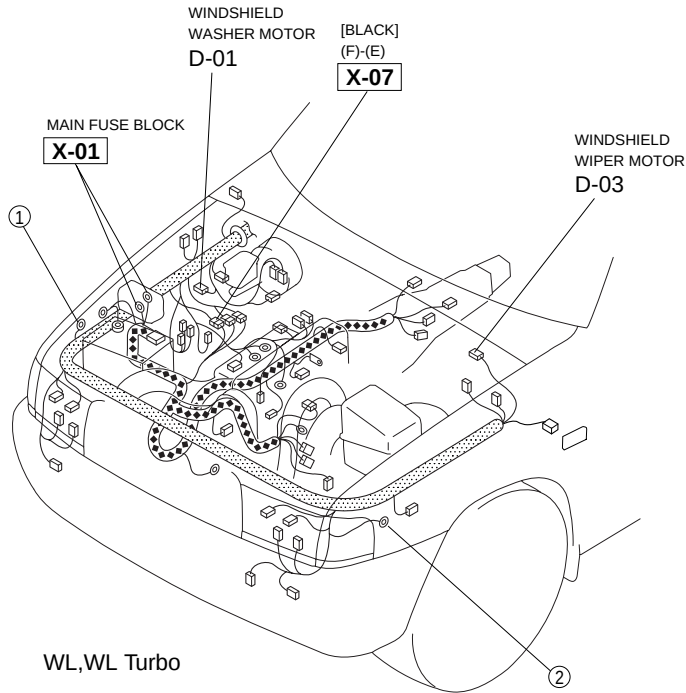
WIRING DIAGRAM Z

C-3c

Z WIRING DIAGRAM

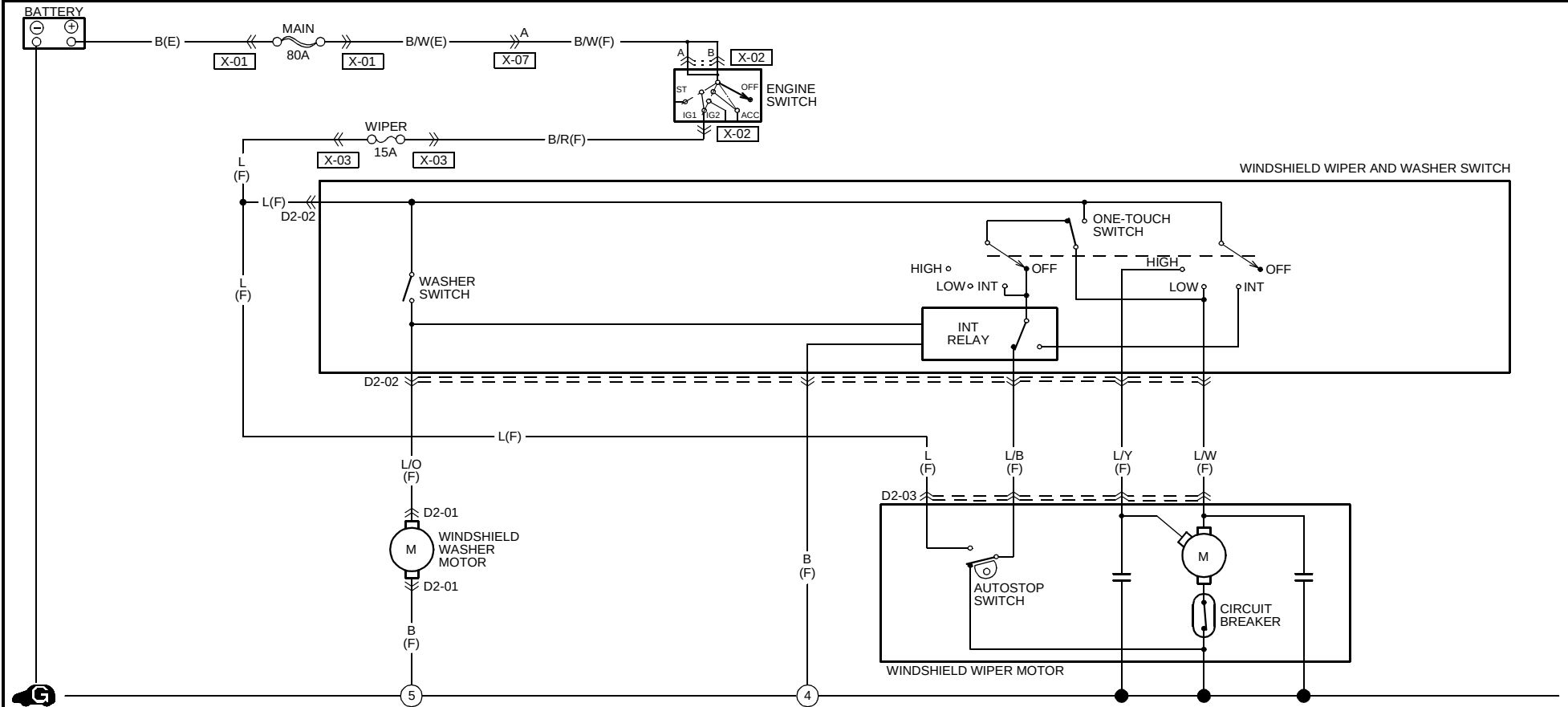


HARNESS SYMBOL :  (F)  (E)  (R)



WINDSHIELD WIPER AND WASHER (WL-3, WLT-3, as of model year 2002)

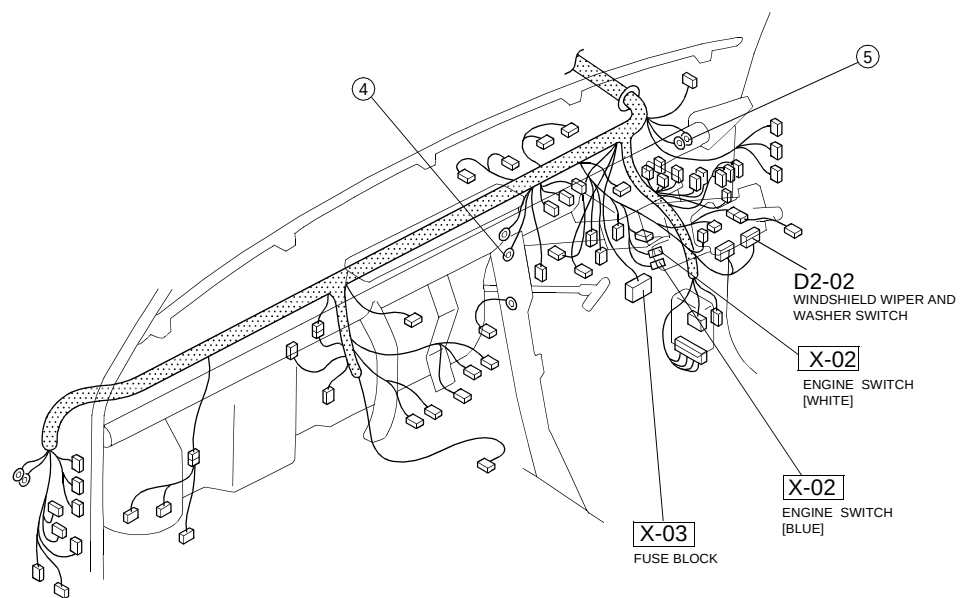
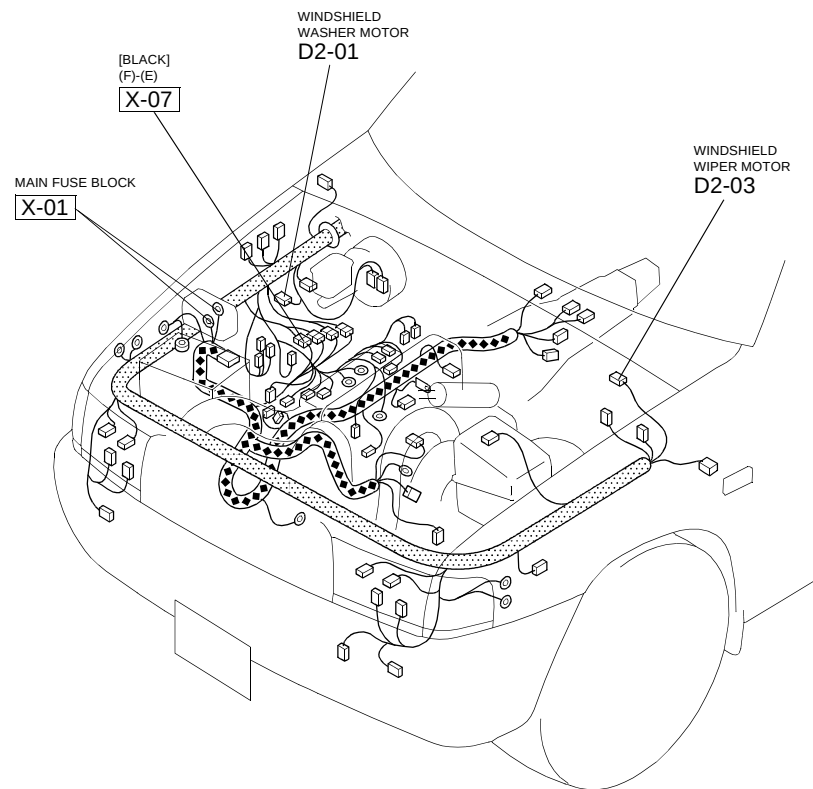
Z WIRING DIAGRAM



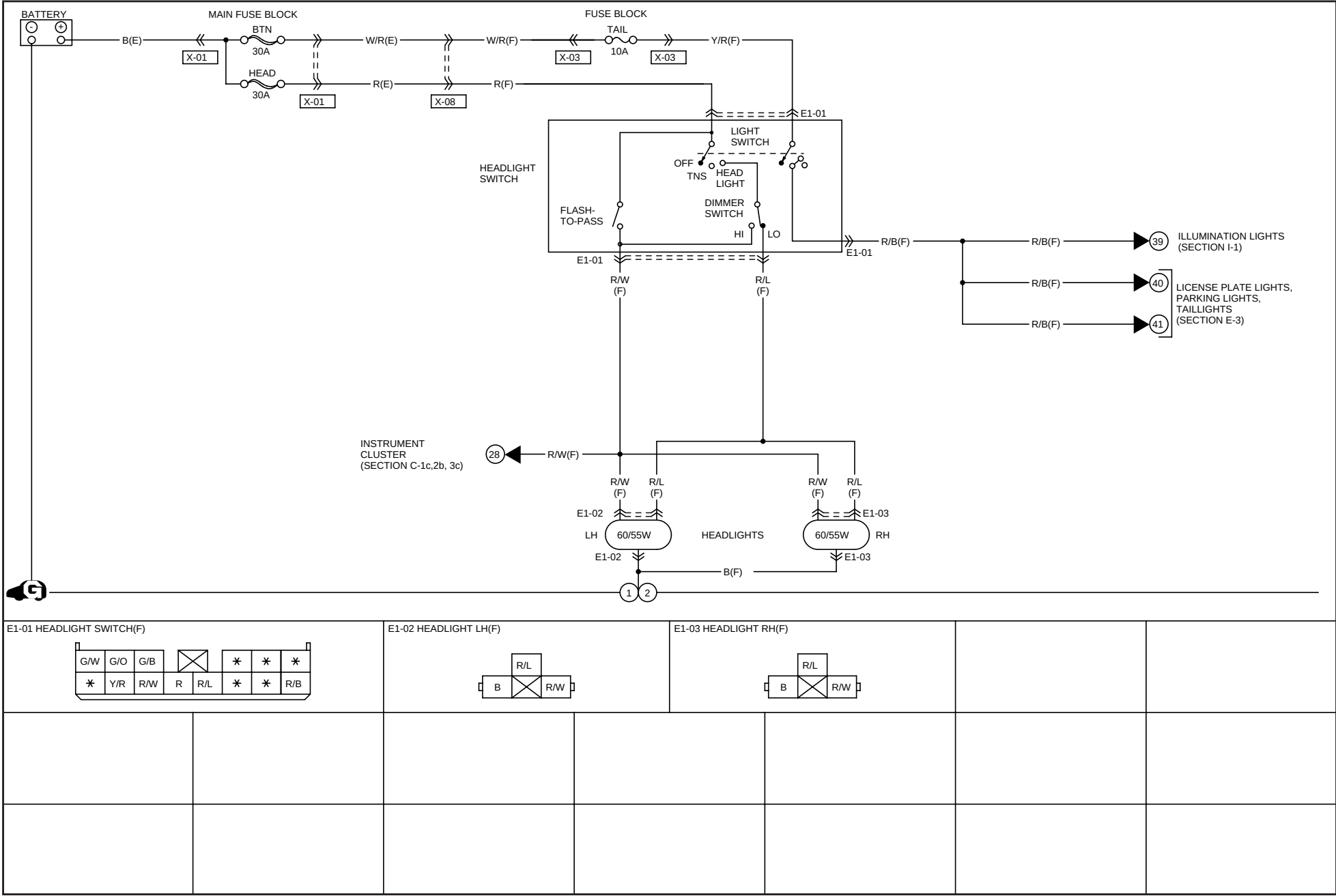
D2-01 WINDSHIELD WASHER MOTOR(F)	D2-02 WINDSHIELD WIPER AND WASHER SWITCH(F)	D2-03 WINDSHIELD WIPER MOTOR(F)		
				

Z-65

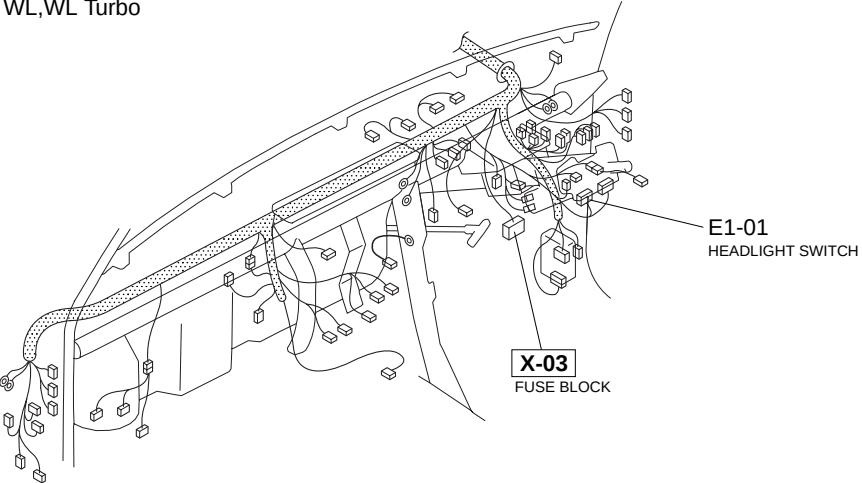
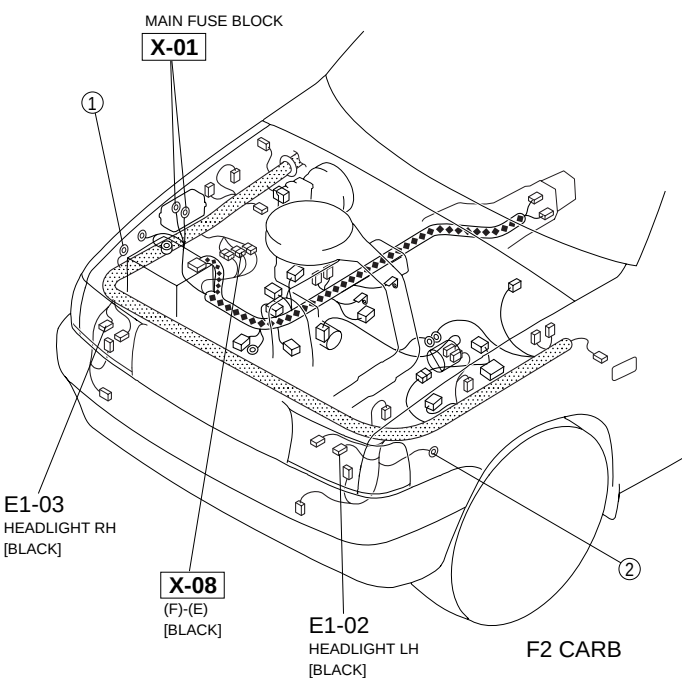
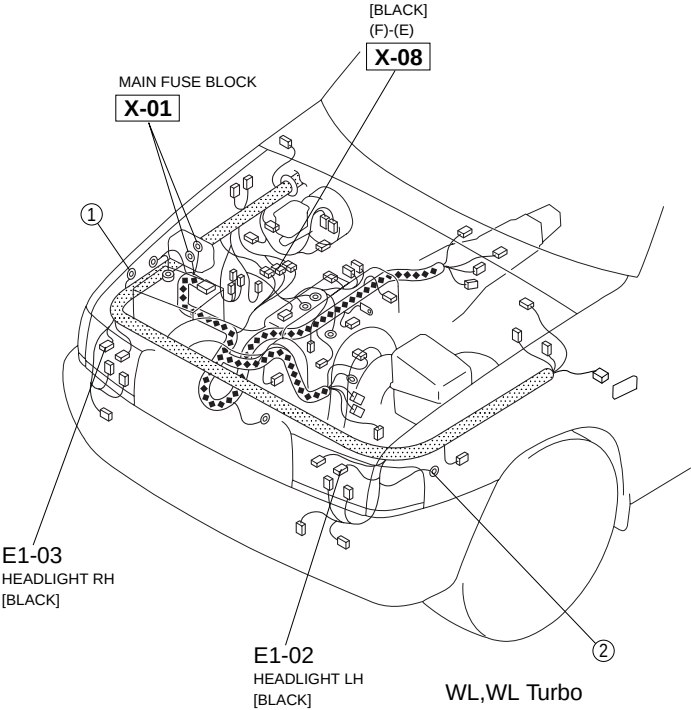
HARNESS SYMBOL :  (F)  (E)  (R)



HEADLIGHTS (WITHOUT HEADLIGHT LEVELING SYSTEM)

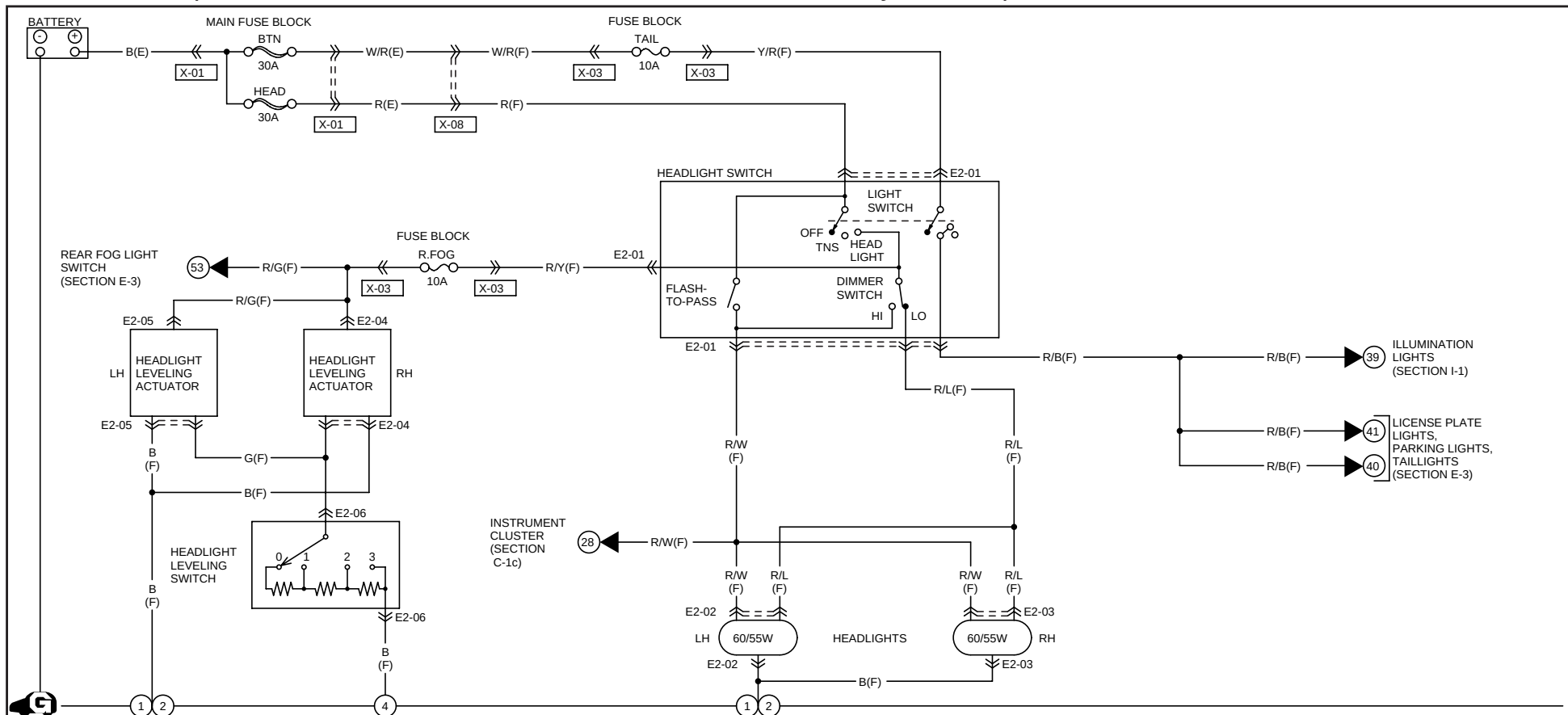


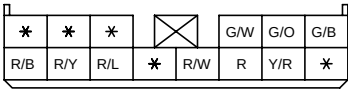
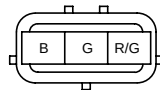
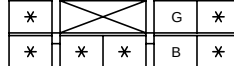
HARNESS SYMBOL :  (F)  (E)  (R)



HEADLIGHTS (WITH HEADLIGHT LEVELING SYSTEM, before model year 2002)

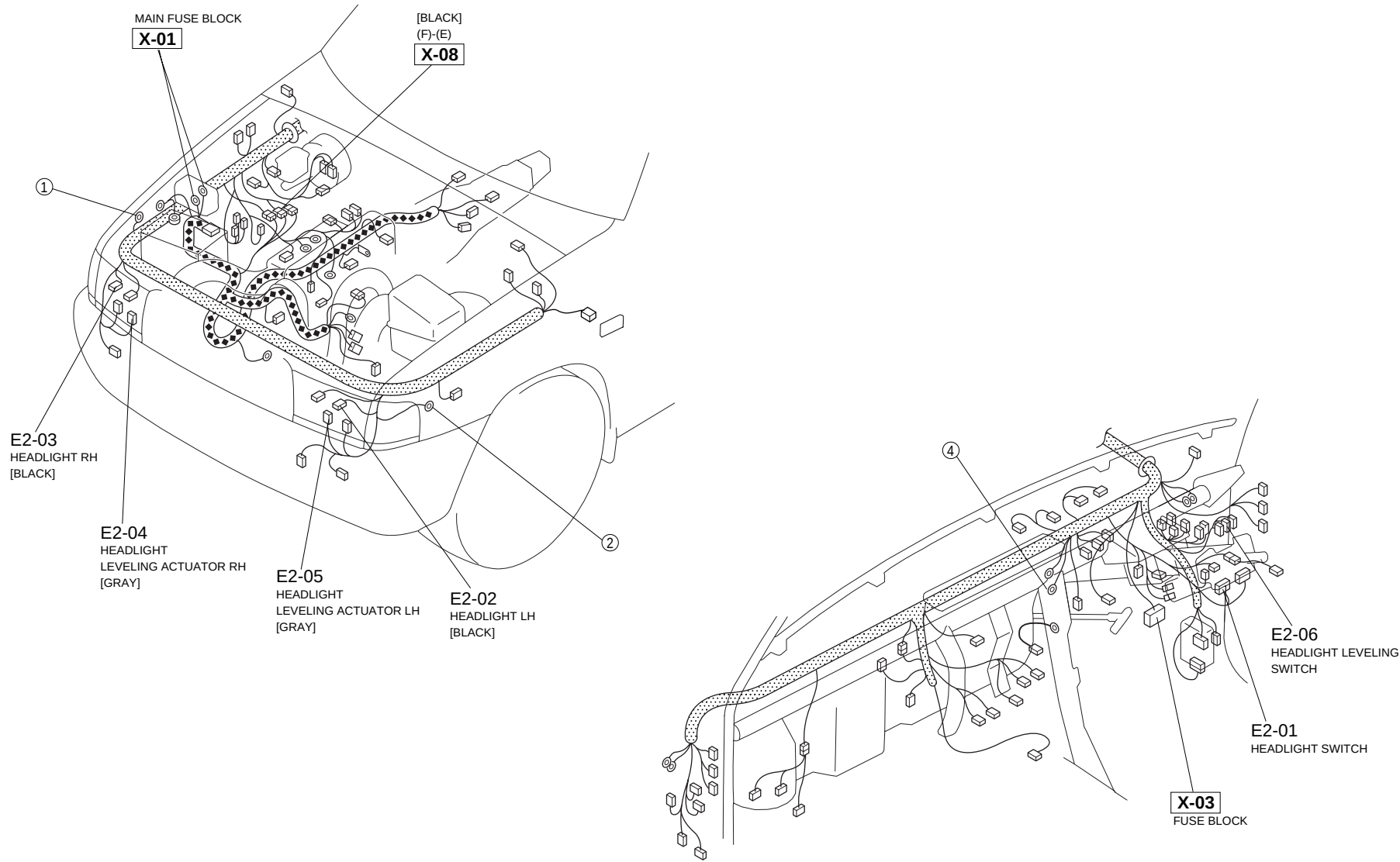
Z WIRING DIAGRAM



E2-01 HEADLIGHT SWITCH(F) 	E2-02 HEADLIGHT LH(F) 	E2-03 HEADLIGHT RH(F) 	E2-04 HEADLIGHT LEVELING ACTUATOR RH(F) 		
E2-05 HEADLIGHT LEVELING ACTUATOR LH(F) 	E2-06 HEADLIGHT LEVELING SWITCH(F) 				

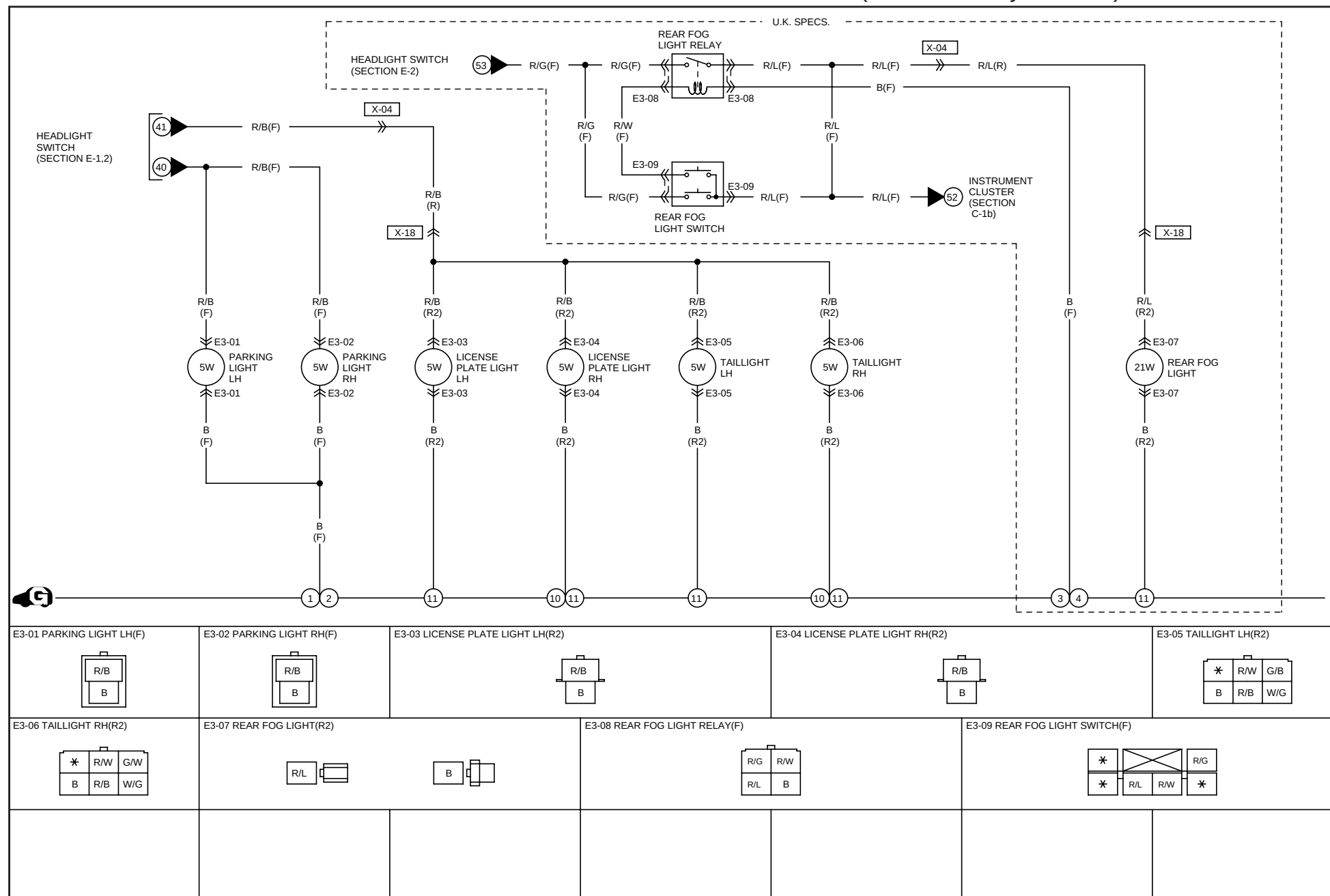
HARNESS SYMBOL :  (F)  (E)  (R)

Z-70

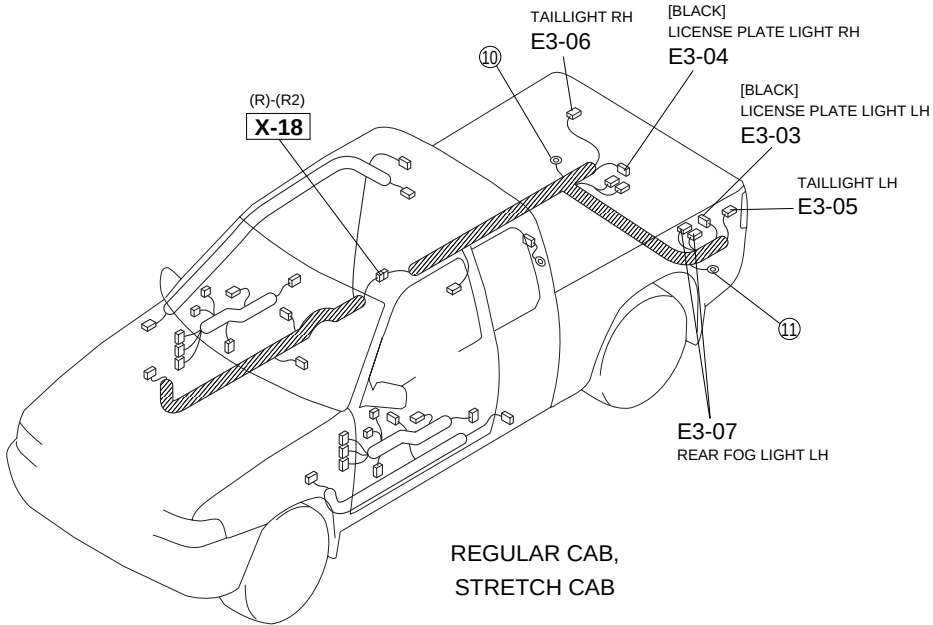
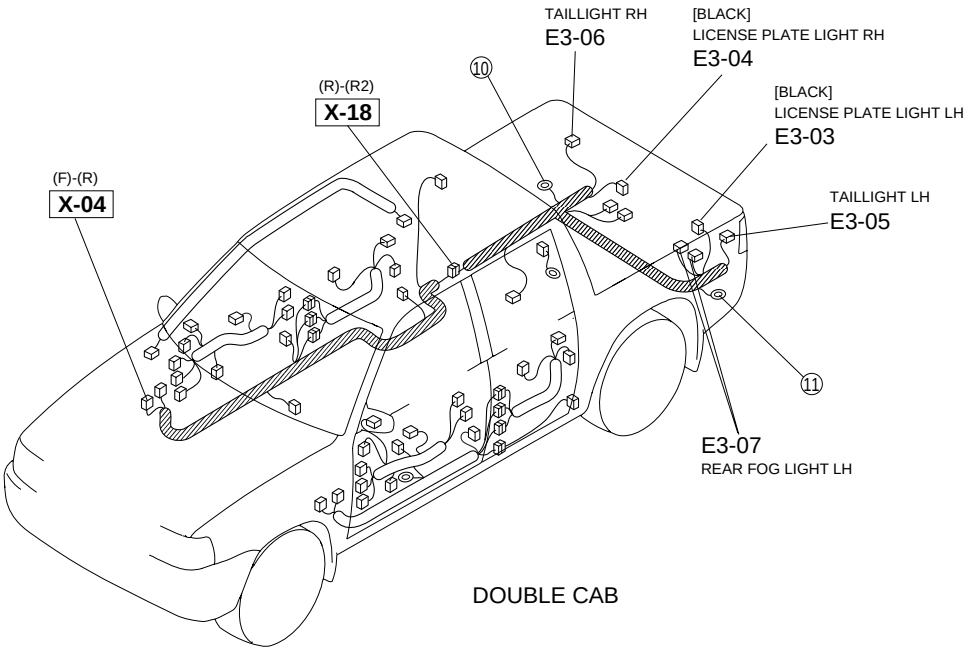
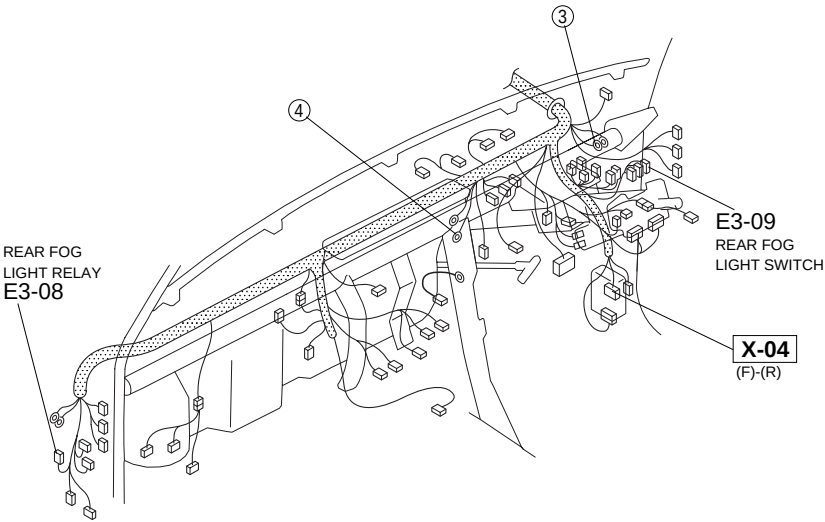
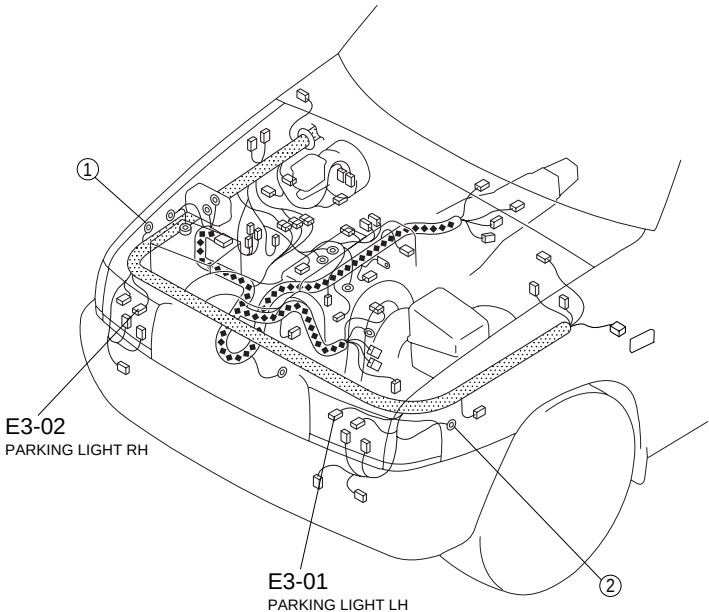


WIRING DIAGRAM Z

LICENSE PLATE LIGHTS / PARKING LIGHTS / TAILLIGHTS / REAR FOG LIGHT (before model year 2002)

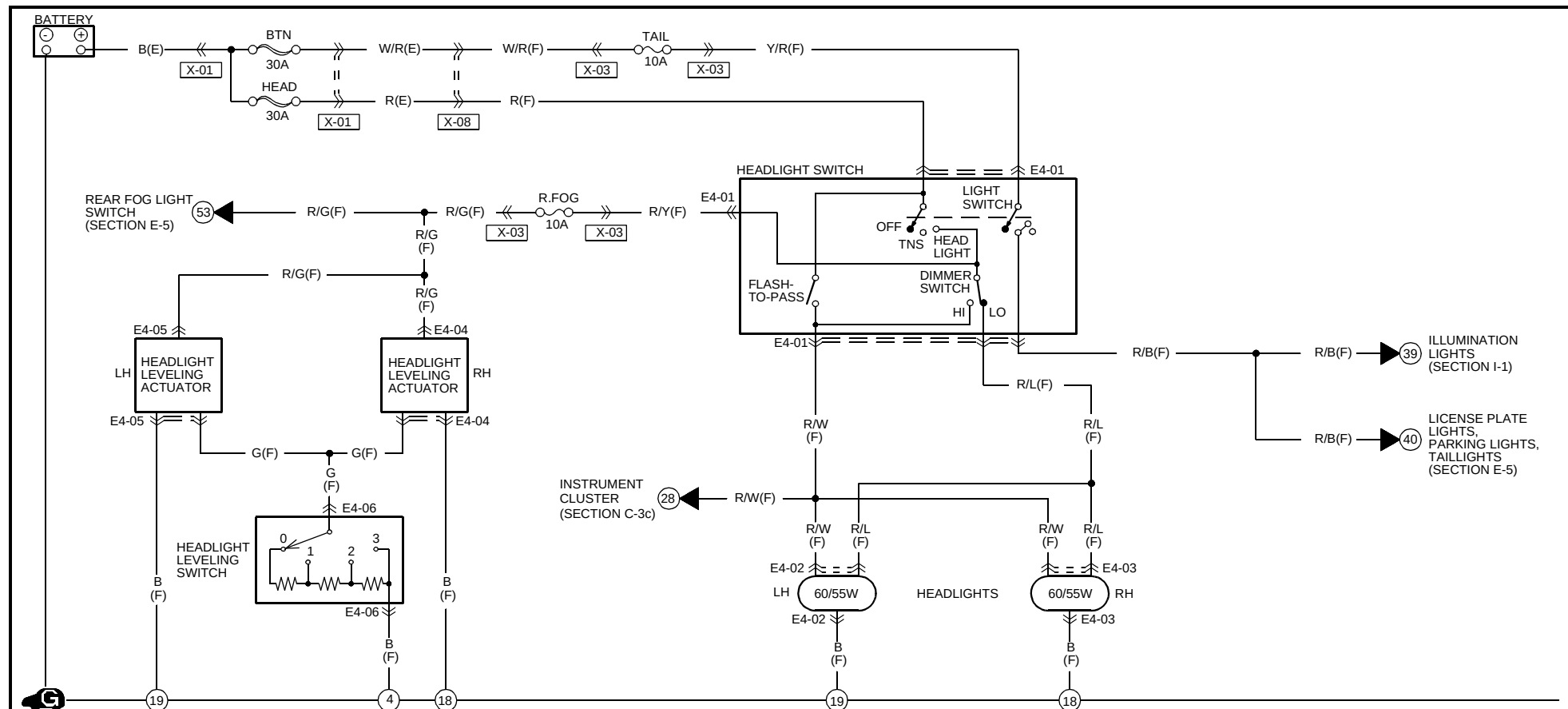


HARNESS SYMBOL :  (F)  (E)  (R)

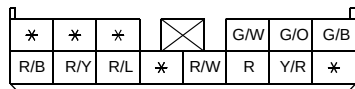


HEADLIGHTS (WL-3, WLT-3, as of model year 2002)

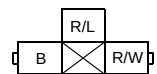
Z WIRING DIAGRAM



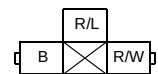
E4-01 HEADLIGHT SWITCH(F)



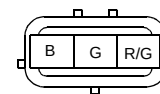
E4-02 HEADLIGHT LH(F)



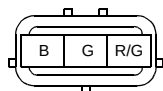
E4-03 HEADLIGHT RH(F)



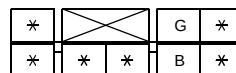
E4-04 HEADLIGHT LEVELING ACTUATOR RH(F)



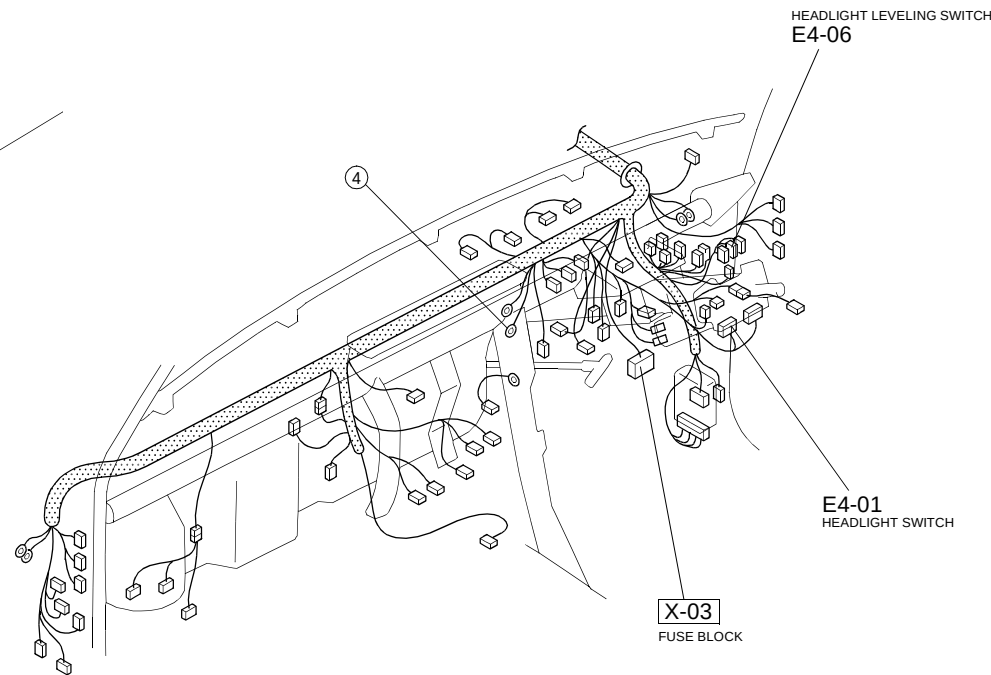
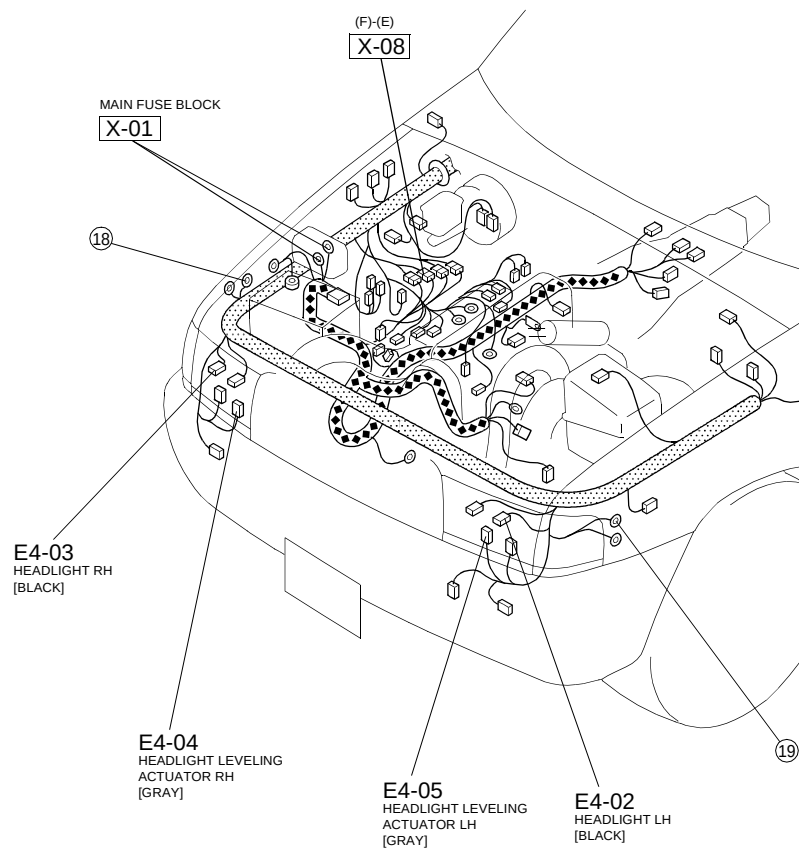
E4-05 HEADLIGHT LEVELING ACTUATOR LH(F)



E4-06 HEADLIGHT LEVELING SWITCH(F)



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



Z-74

WIRING DIAGRAM Z

Wiring diagram for the rear lighting system, showing connections for various components and switches.

Components and Switches:

- HEADLIGHT SWITCH (SECTION E-4)
- HEADLIGHT SWITCH (SECTION E-4)
- REAR FOG LIGHT RELAY
- REAR FOG LIGHT SWITCH
- INSTRUMENT CLUSTER (SECTION C-3c)
- REAR FOG LIGHT (21W)
- PARKING LIGHT LH (5W)
- PARKING LIGHT RH (5W)
- LICENSE PLATE LIGHT LH (5W)
- LICENSE PLATE LIGHT RH (5W)
- TAILLIGHT LH (5W)
- TAILLIGHT RH (5W)

Wiring Connections:

- HEADLIGHT SWITCH (SECTION E-4) connects to R/B(F) and R/B(R).
- HEADLIGHT SWITCH (SECTION E-4) connects to R/G(F) and R/G(R).
- REAR FOG LIGHT RELAY connects to R/L(F) and R/L(R).
- REAR FOG LIGHT SWITCH connects to R/W(F) and R/L(F).
- INSTRUMENT CLUSTER (SECTION C-3c) connects to R/L(F).
- REAR FOG LIGHT (21W) connects to B(F) and B(R2).
- PARKING LIGHT LH (5W) connects to B(F) and B(R2).
- PARKING LIGHT RH (5W) connects to B(F) and B(R2).
- LICENSE PLATE LIGHT LH (5W) connects to B(R2) and B(R2).
- LICENSE PLATE LIGHT RH (5W) connects to B(R2) and B(R2).
- TAILLIGHT LH (5W) connects to B(R2) and B(R2).
- TAILLIGHT RH (5W) connects to B(R2) and B(R2).

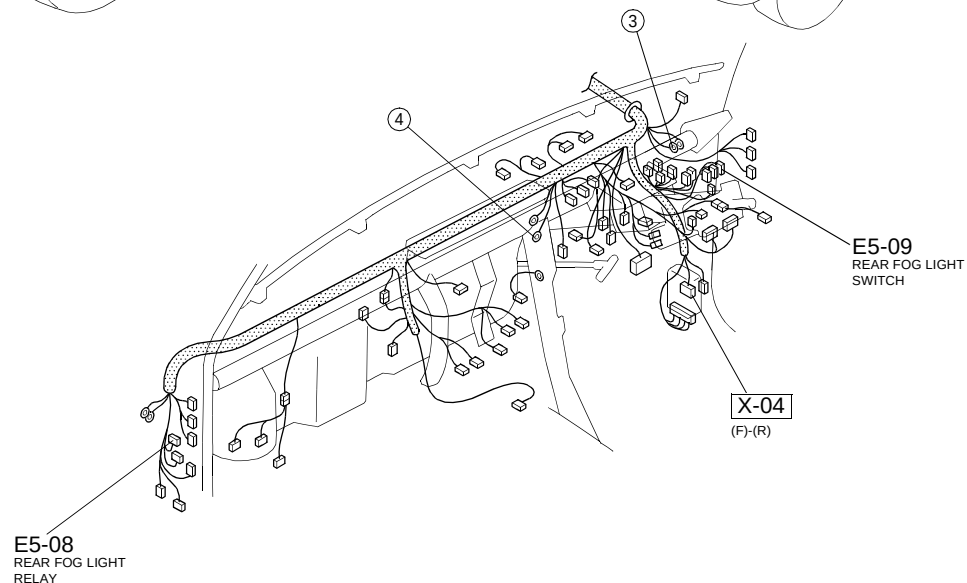
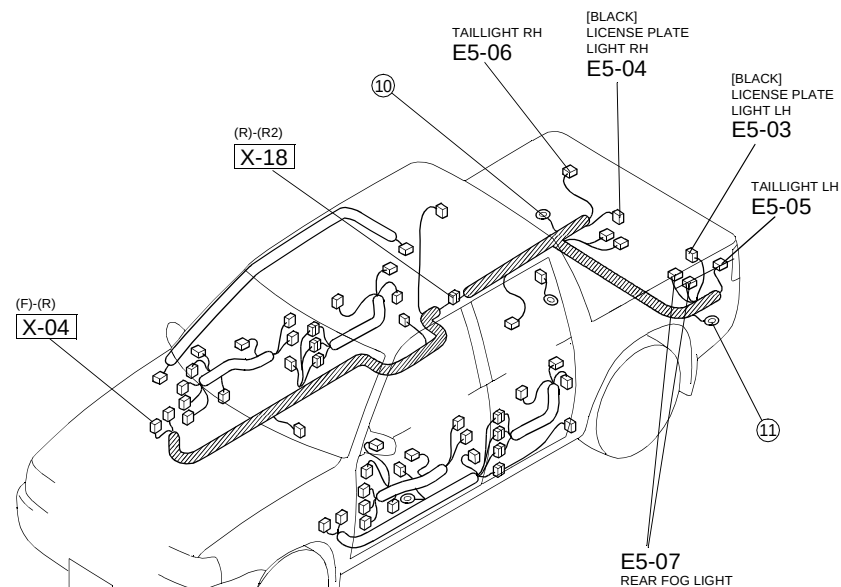
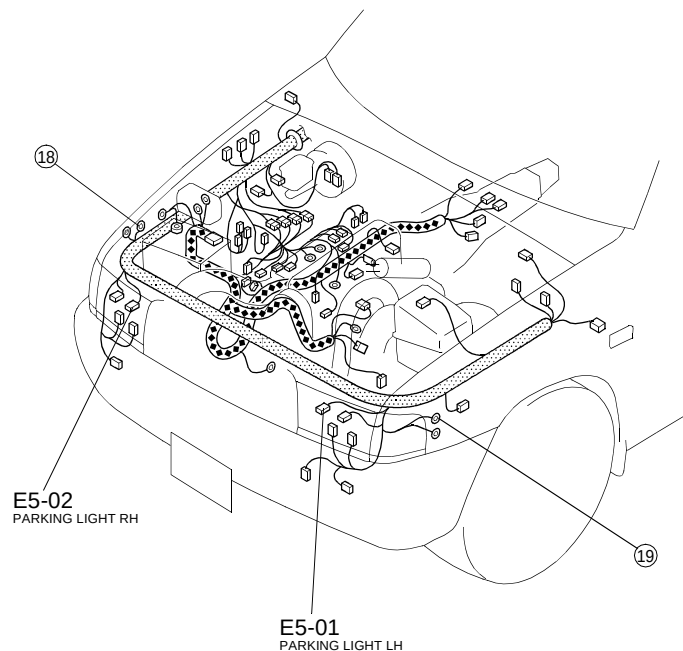
Legend:

Component	Wiring
E5-01 PARKING LIGHT LH(F)	R/B, B
E5-02 PARKING LIGHT RH(F)	R/B, B
E5-03 LICENSE PLATE LIGHT LH(R2)	B, R/B
E5-04 LICENSE PLATE LIGHT RH(R2)	B, R/B
E5-05 TAILLIGHT LH(R2)	* R/W G/B, B R/B W/G
E5-06 TAILLIGHT RH(R2)	* R/W G/B, B R/B W/G
E5-07 REAR FOG LIGHT(R2)	R/L, B
E5-08 REAR FOG LIGHT RELAY(F)	R/G, R/W, R/L, B
E5-09 REAR FOG LIGHT SWITCH(F)	* R/G, * R/L R/W *

Z WIRING DIAGRAM

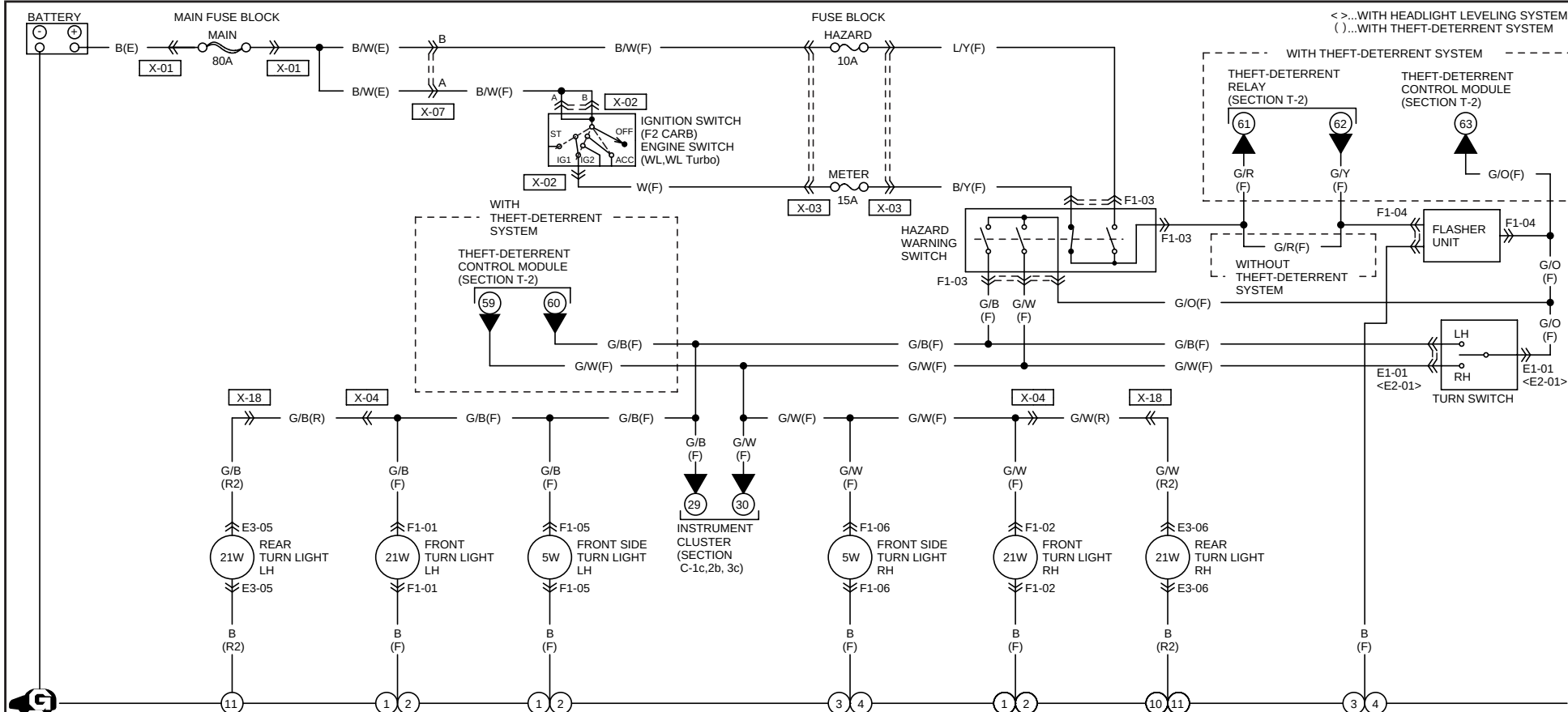
Z-75

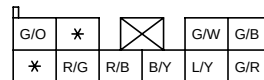
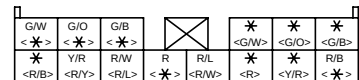
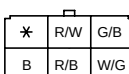
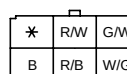
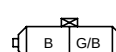
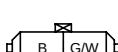
HARNESS SYMBOL :  (F)  (E)  (R)



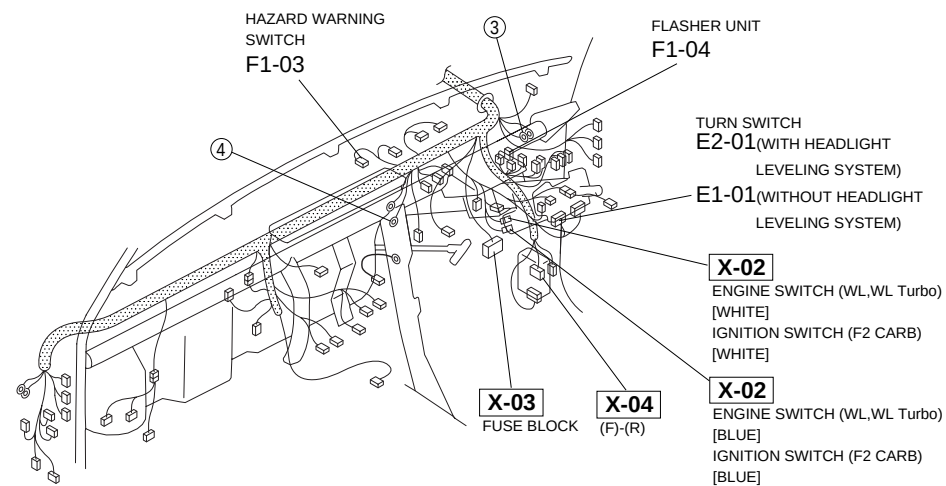
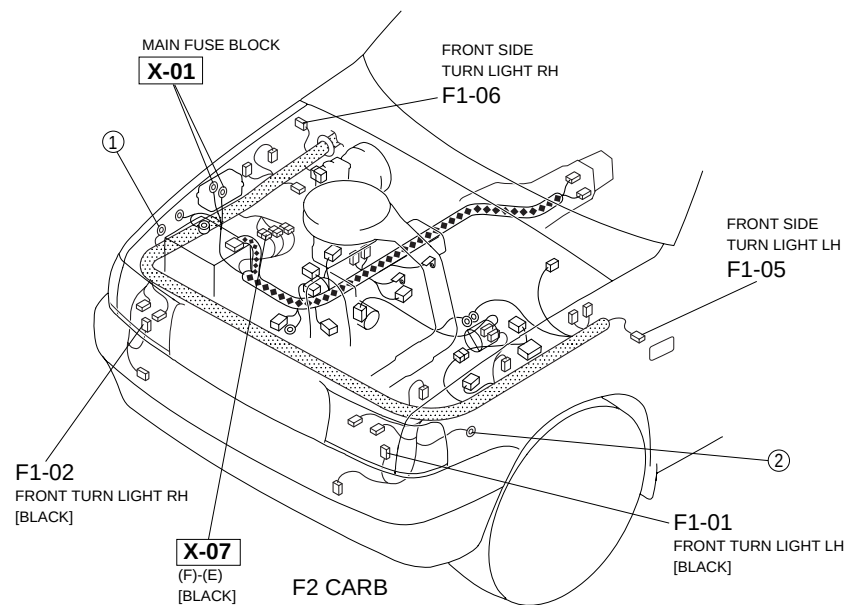
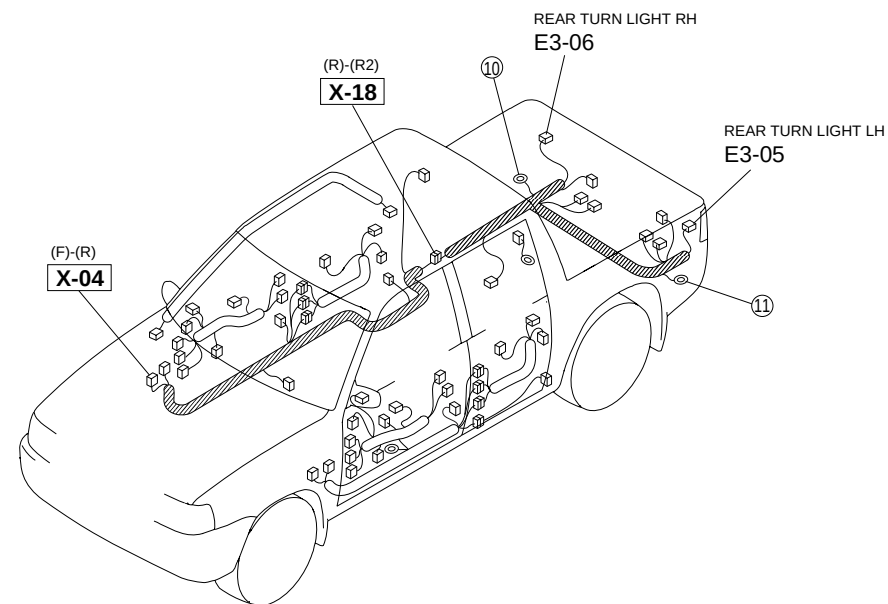
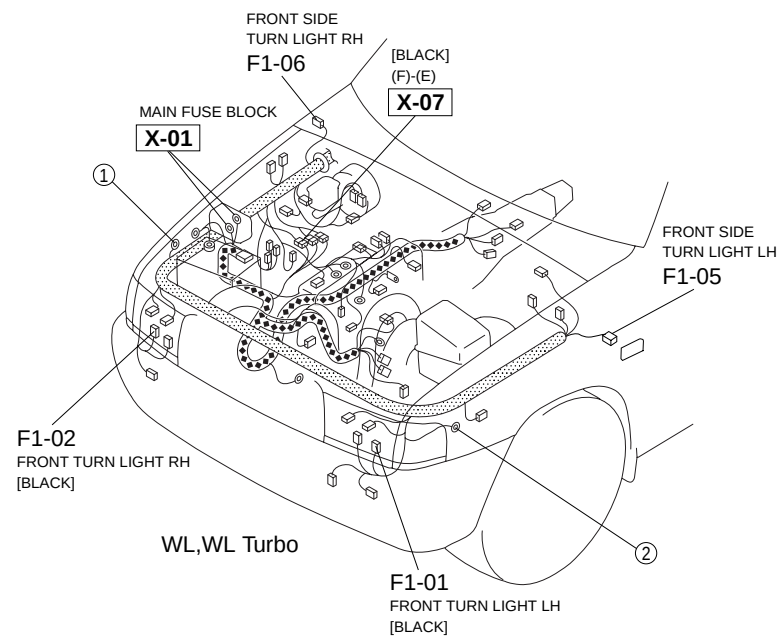
TURN AND HAZARD WARNING LIGHTS (before model year 2002)

Z WIRING DIAGRAM

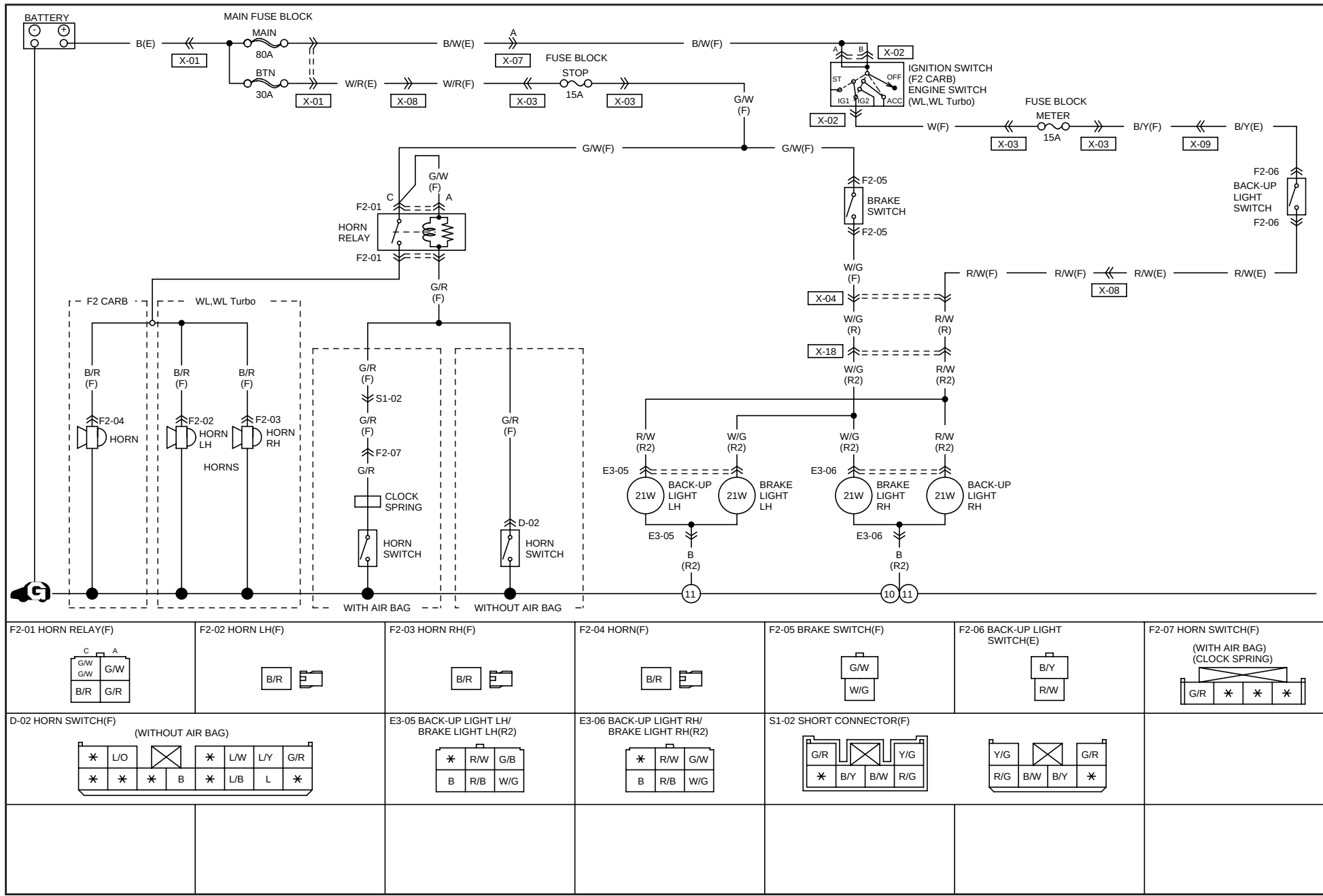


F1-01 FRONT TURN LIGHT LH(F) 	F1-02 FRONT TURN LIGHT RH(F) 	F1-03 HAZARD WARNING SWITCH(F) 		F1-04 FLASHER UNIT(F) 	E1-01 TURN SWITCH(F) <E2-01> 
E3-05 REAR TURN LIGHT LH(R2) 		E3-06 REAR TURN LIGHT RH(R2) 		F1-05 FRONT SIDE TURN LIGHT LH(F) 	F1-06 FRONT SIDE TURN LIGHT RH (F) 

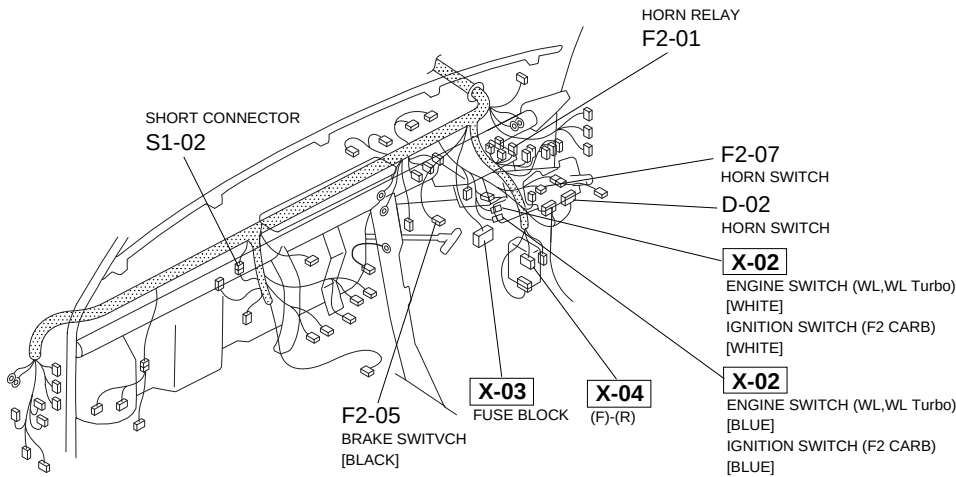
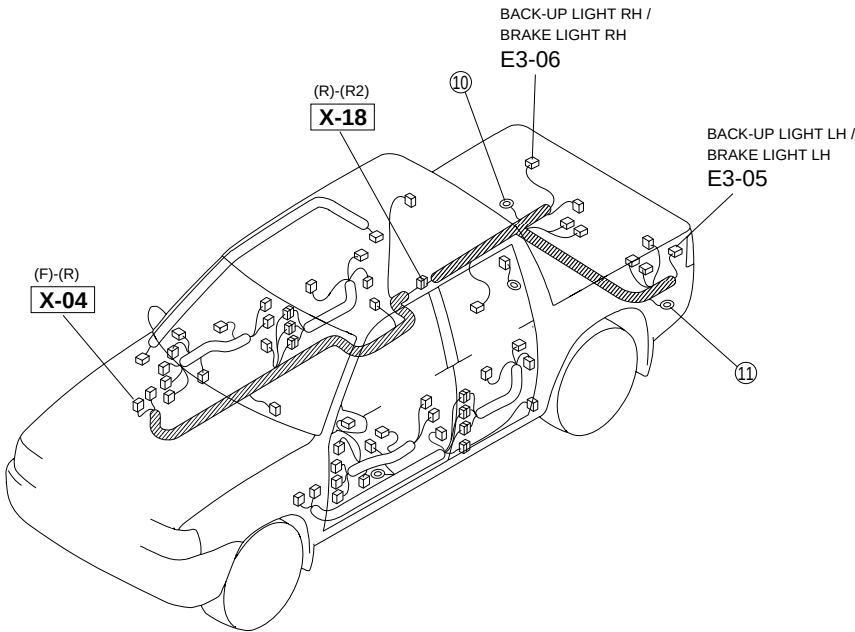
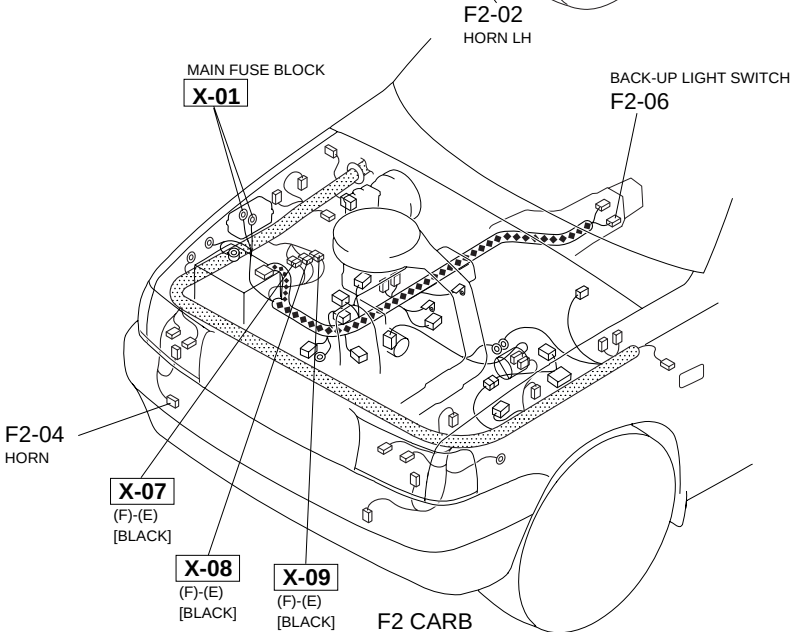
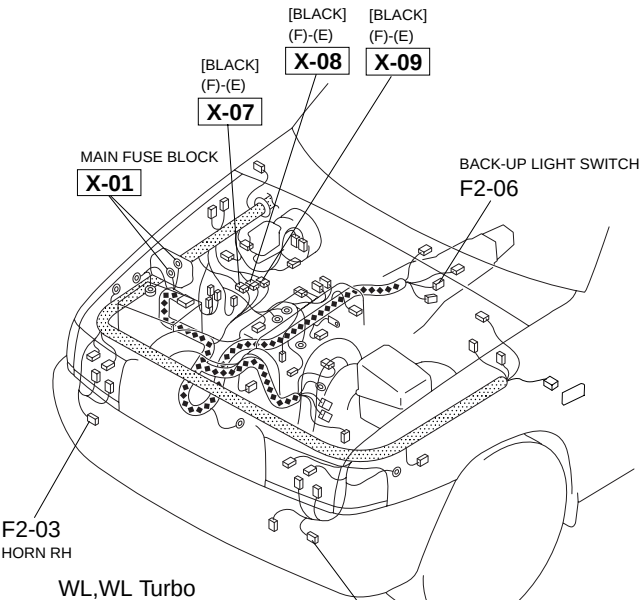
HARNESS SYMBOL :  (F)  (E)  (R)



BACK-UP LIGHTS / BRAKE LIGHTS / HORN (before model year 2002)

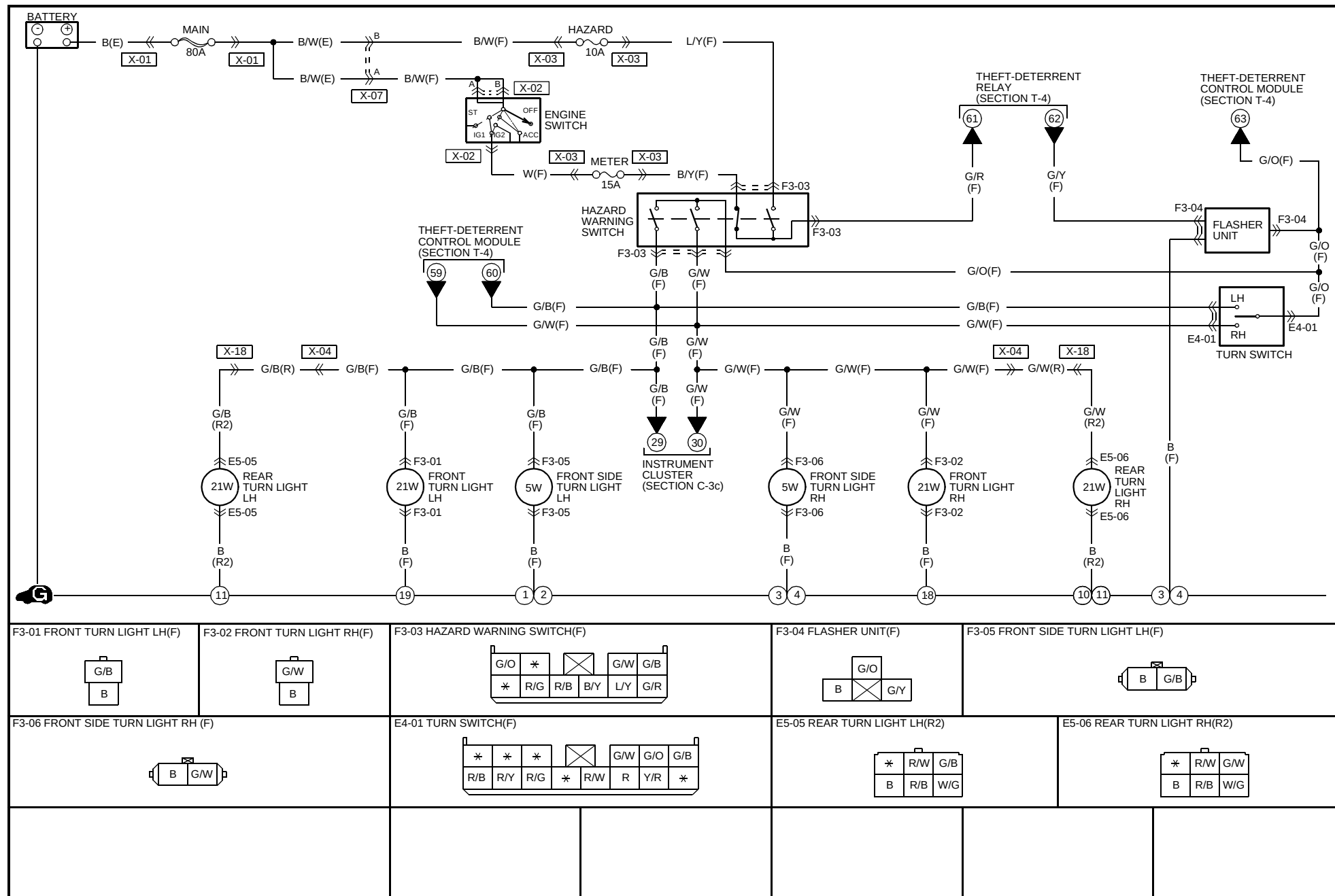


HARNESS SYMBOL :  (F)  (E)  (R)

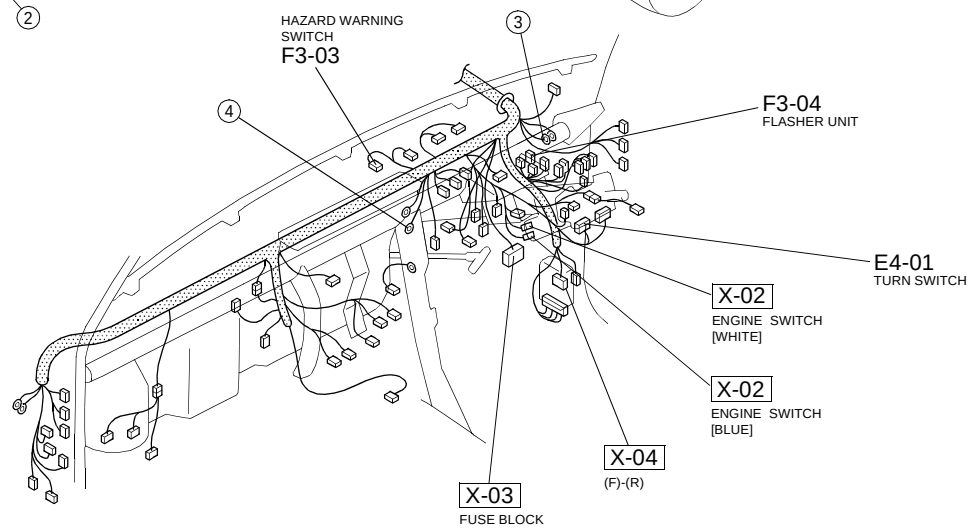
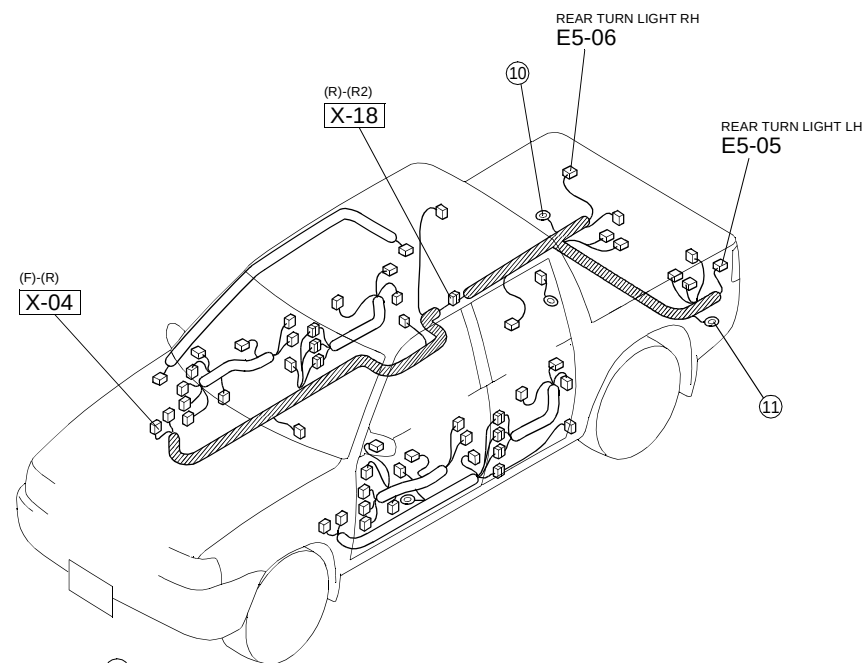
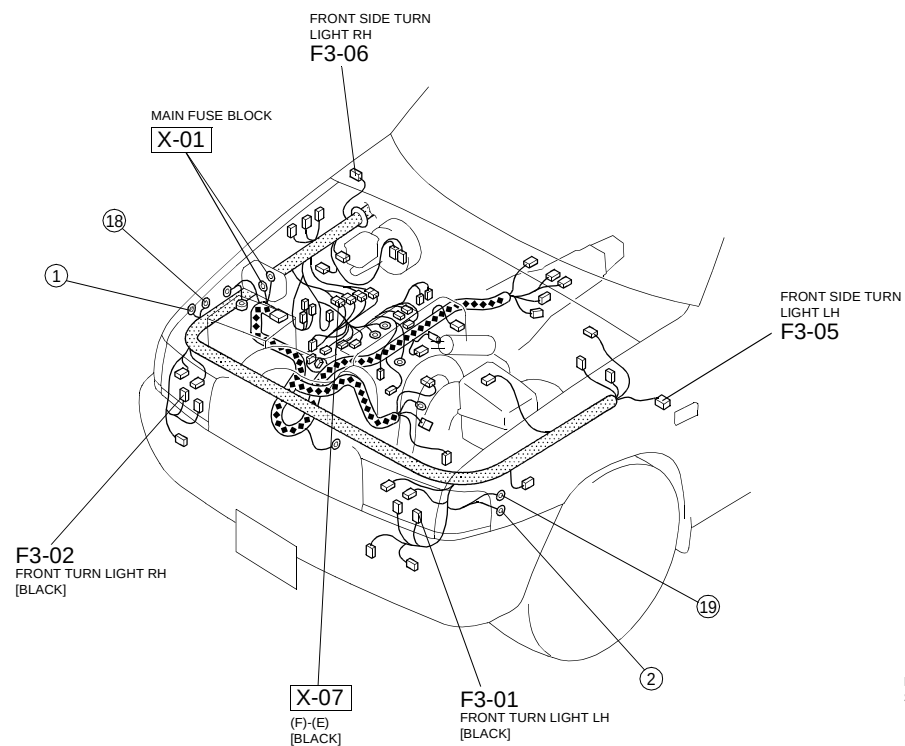


TURN AND HAZARD WARNING LIGHTS (WL-3, WLT-3, as of model year 2002)

Z WIRING DIAGRAM

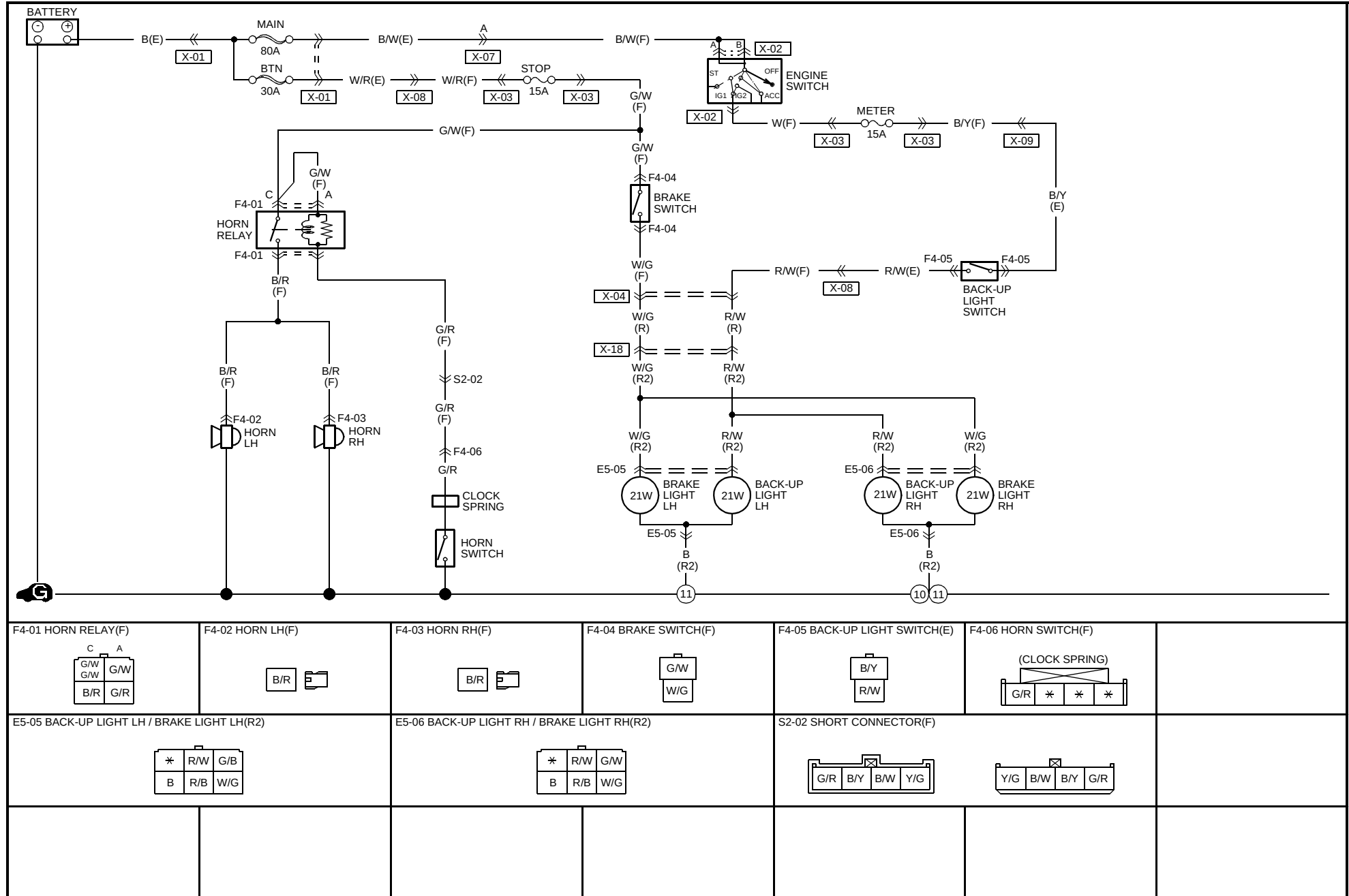


HARNESS SYMBOL :  (F)  (E)  (R)

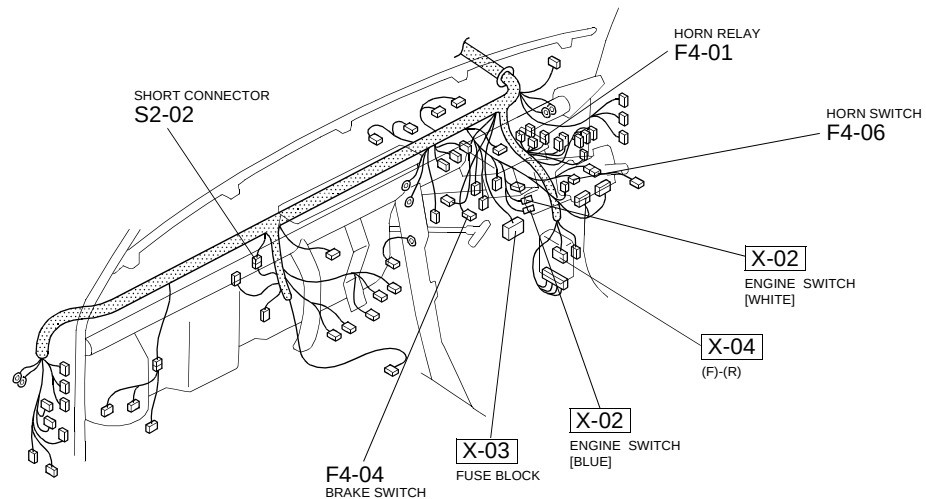
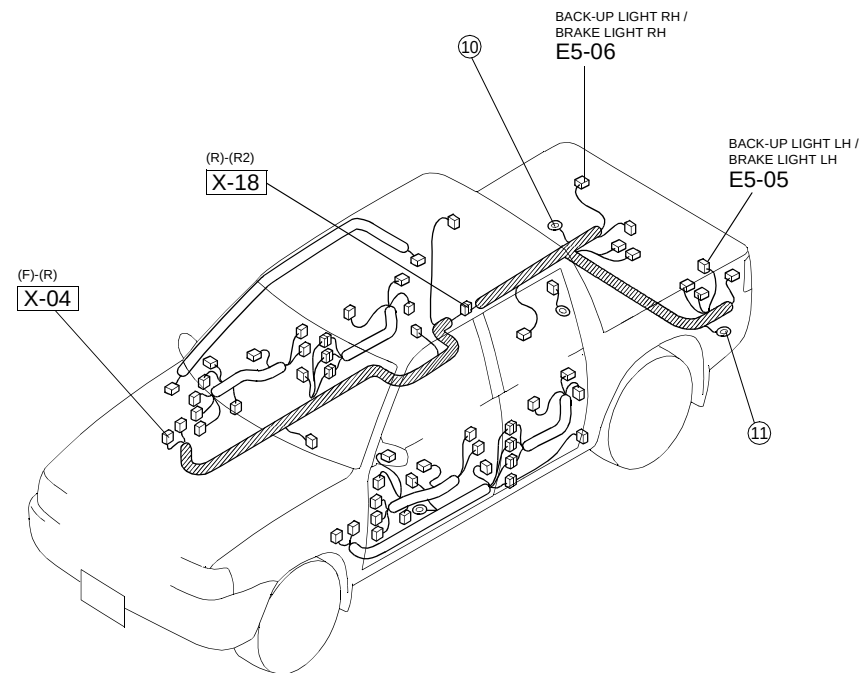
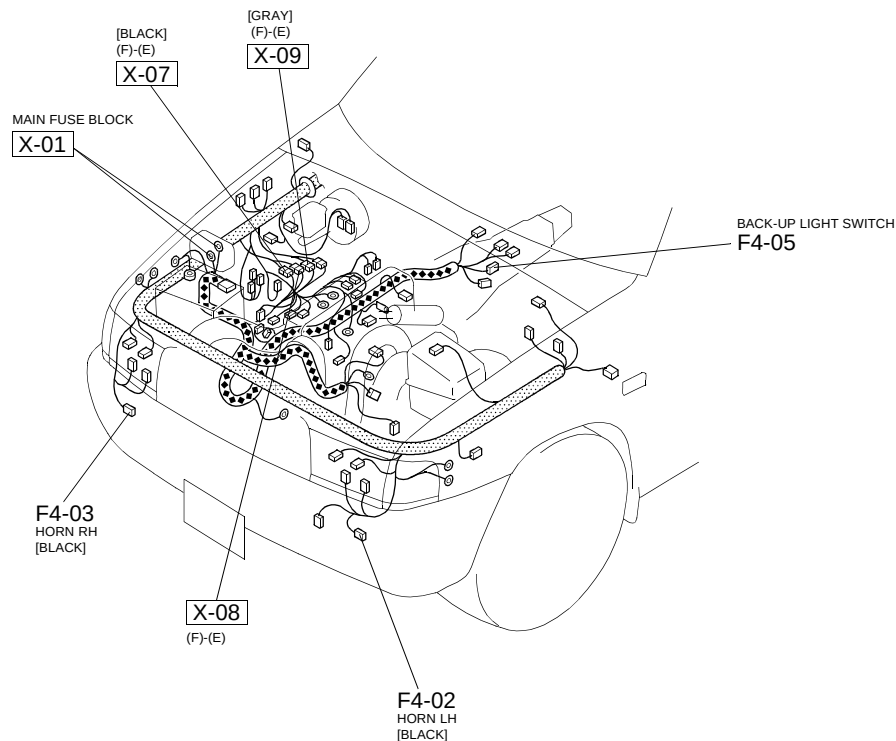


BACK-UP LIGHTS / BRAKE LIGHTS / HORNS (WL-3, WLT-3, as of model year 2002)

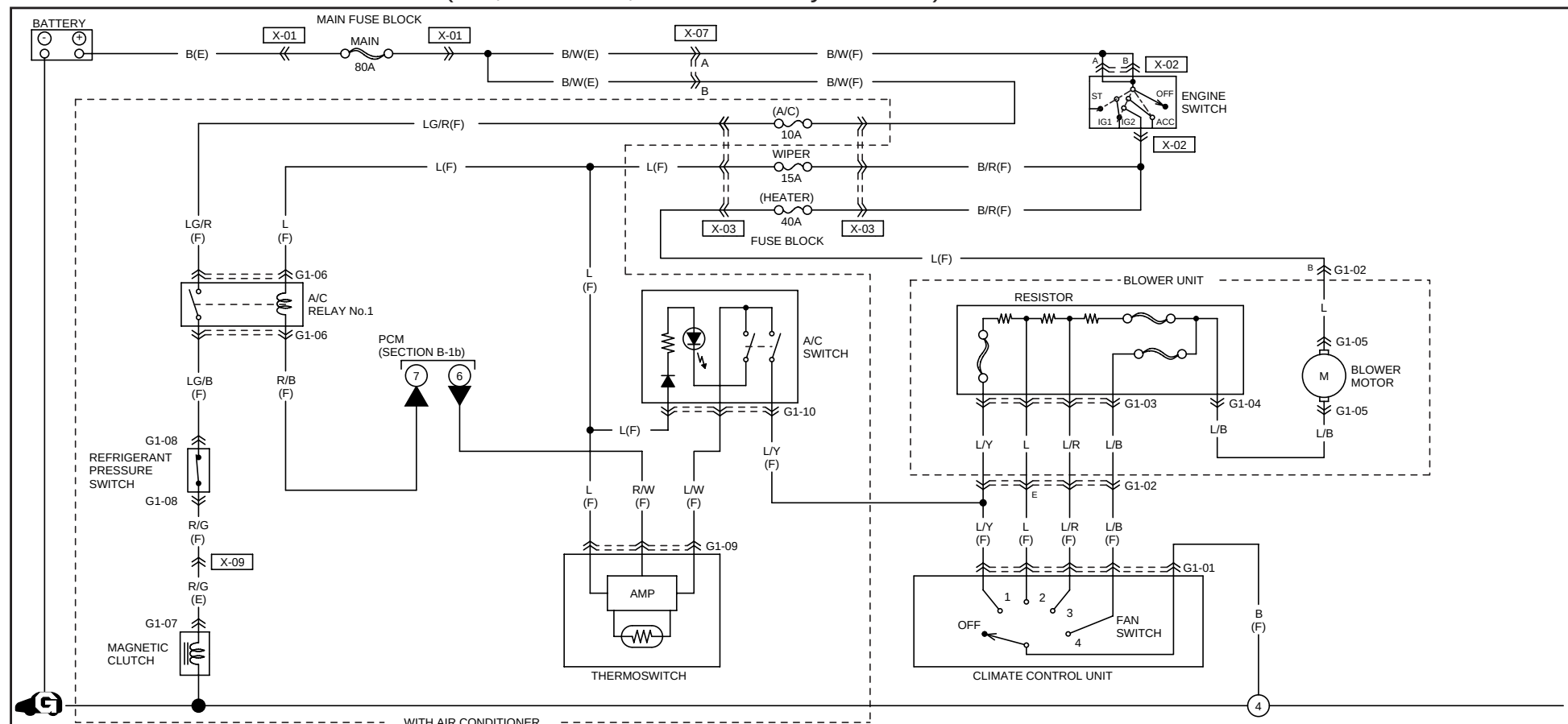
Z WIRING DIAGRAM

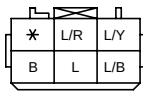
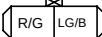
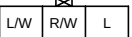
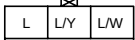


HARNESS SYMBOL :  (F)  (E)  (R)

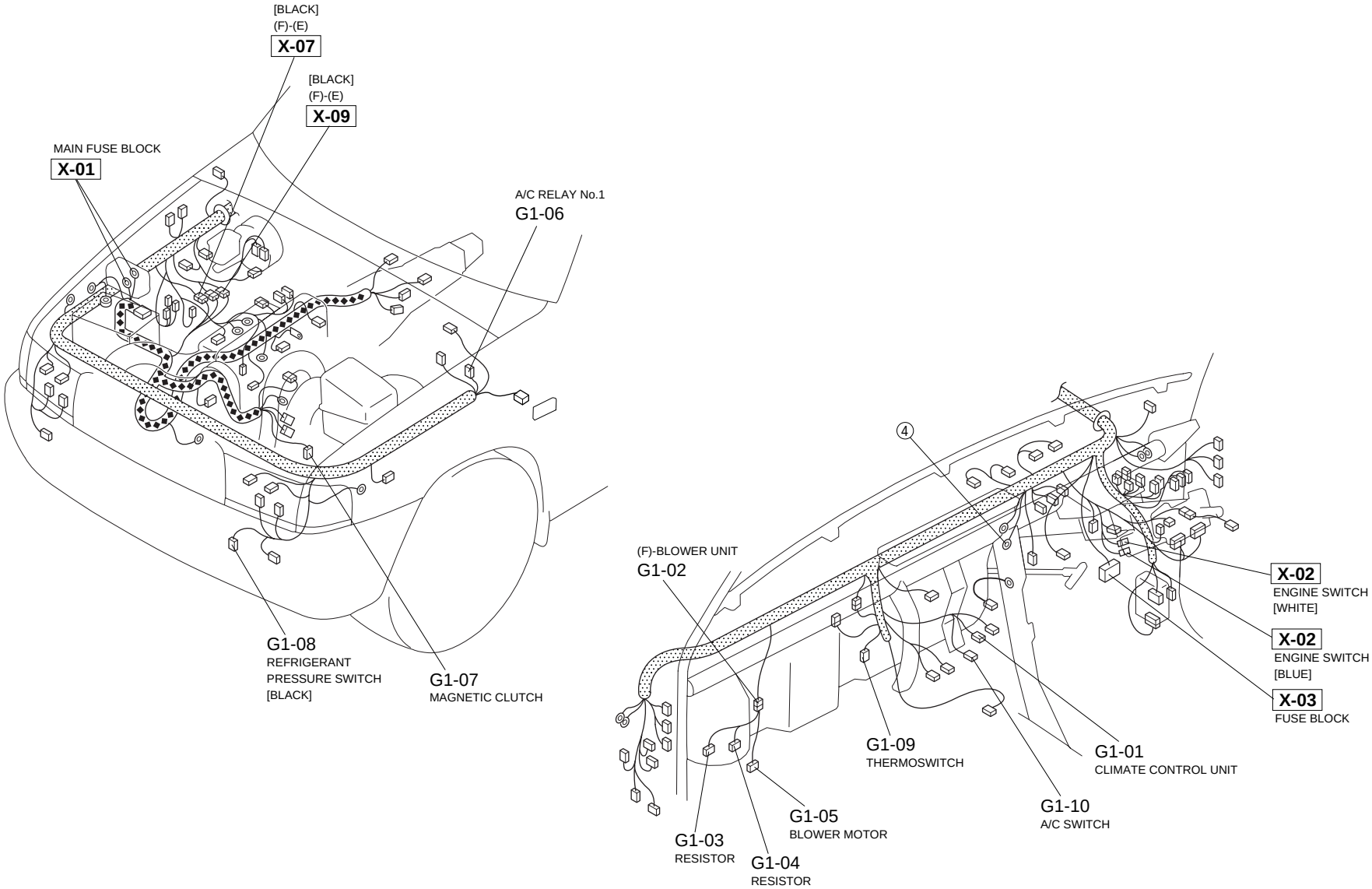


HEATER AND AIR CONDITIONER (WL, WL Turbo, before model year 2002)

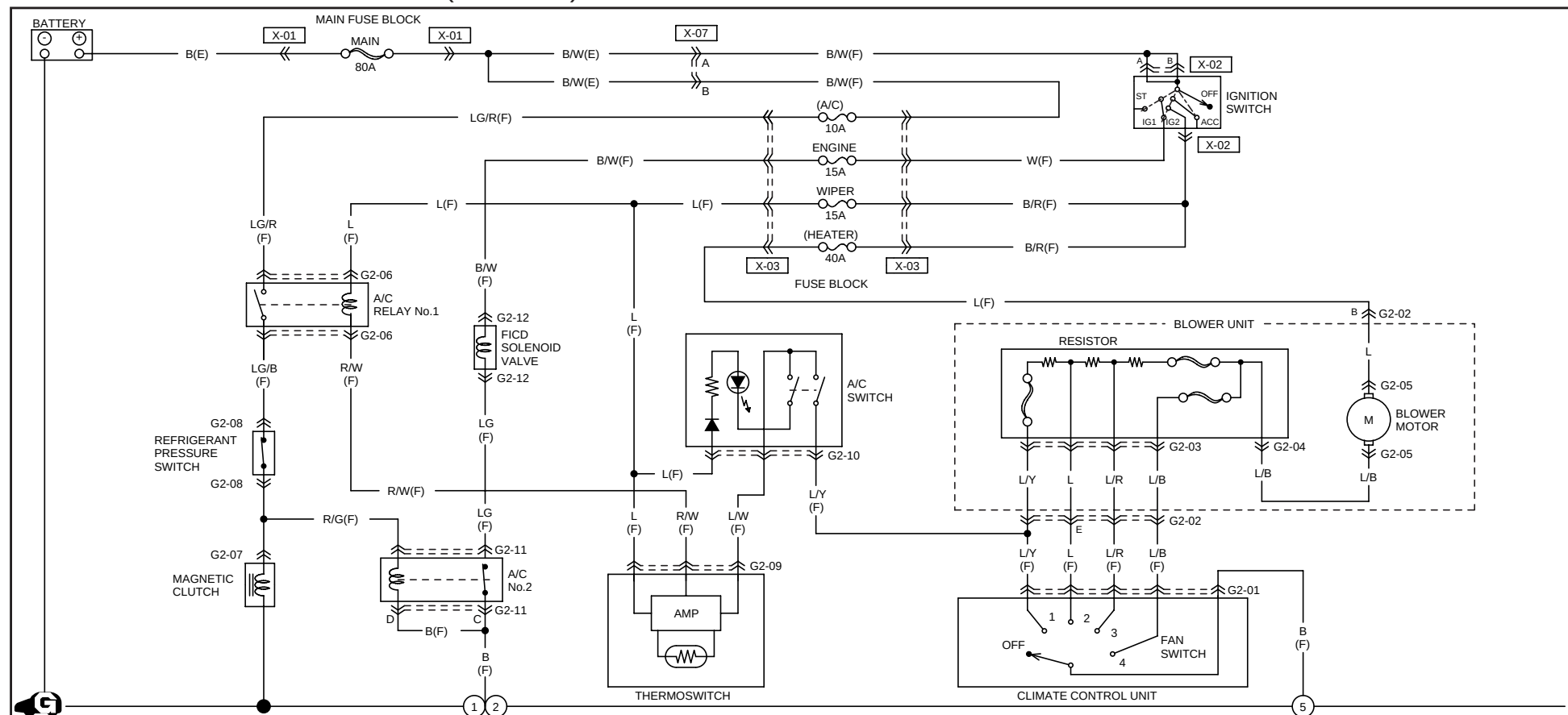


G1-01 CLIMATE CONTROL UNIT(F) 		G1-02 FRONT(F)-BLOWER UNIT E (F) L L/R * L/Y L/B L B (BLOWER UNIT) * L/R L L L/B L/Y B E		G1-03 RESISTOR (SHORT CORD) 	G1-04 RESISTOR (SHORT CORD) 	G1-05 BLOWER MOTOR (SHORT CORD) 
G1-06 A/C RELAY No.1(F) 	G1-07 MAGNETIC CLUTCH(E) 	G1-08 REFRIGERANT PRESSURE SWITCH(F) 		G1-09 THERMOSWITCH(F) 	G1-10 A/C SWITCH(F) 	

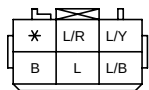
HARNESS SYMBOL :  (F)  (E)  (R)



HEATER AND AIR CONDITIONER (F2 CARB)



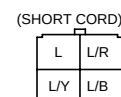
G2-01 CLIMATE CONTROL UNIT(F)



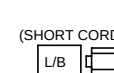
G2-02 FRONT(F)-BLOWER UNIT



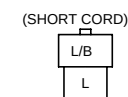
G2-03 RESISTOR



G2-04 RESISTOR



G2-05 BLOWER MOTOR



G2-06 A/C RELAY No.1(F)



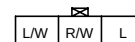
G2-07 MAGNETIC CLUTCH(E)



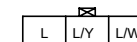
G2-08 REFRIGERANT PRESSURE SWITCH(F)



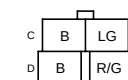
G2-09 THERMOSWITCH(F)



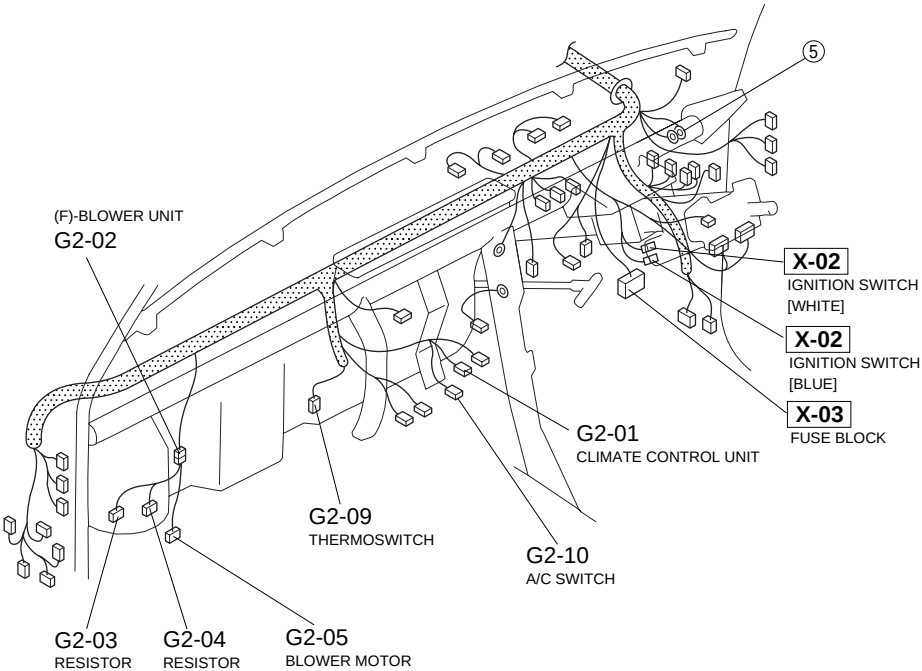
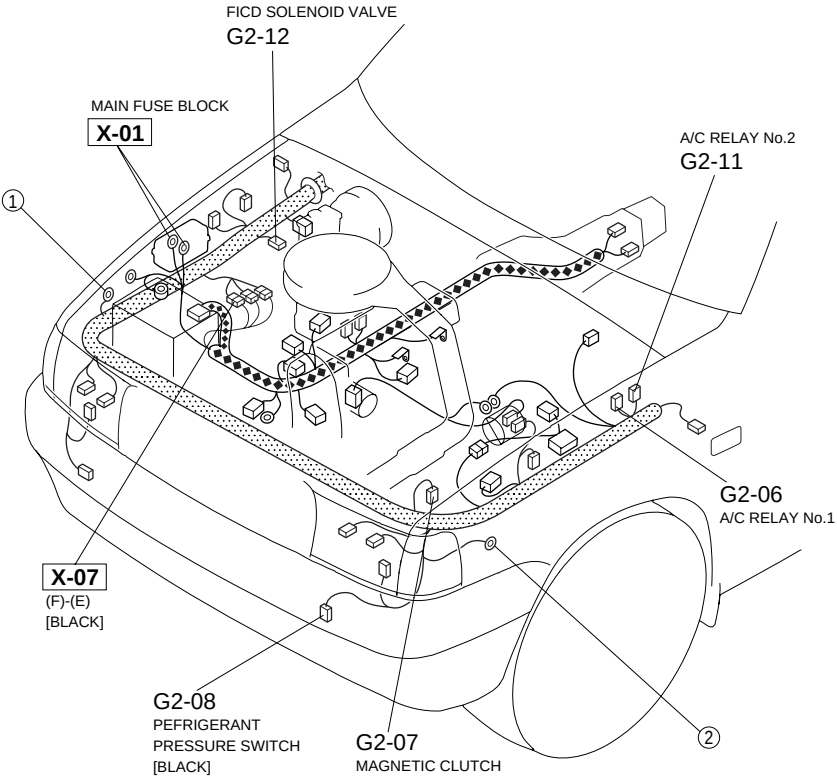
G2-10 A/C SWITCH(F)



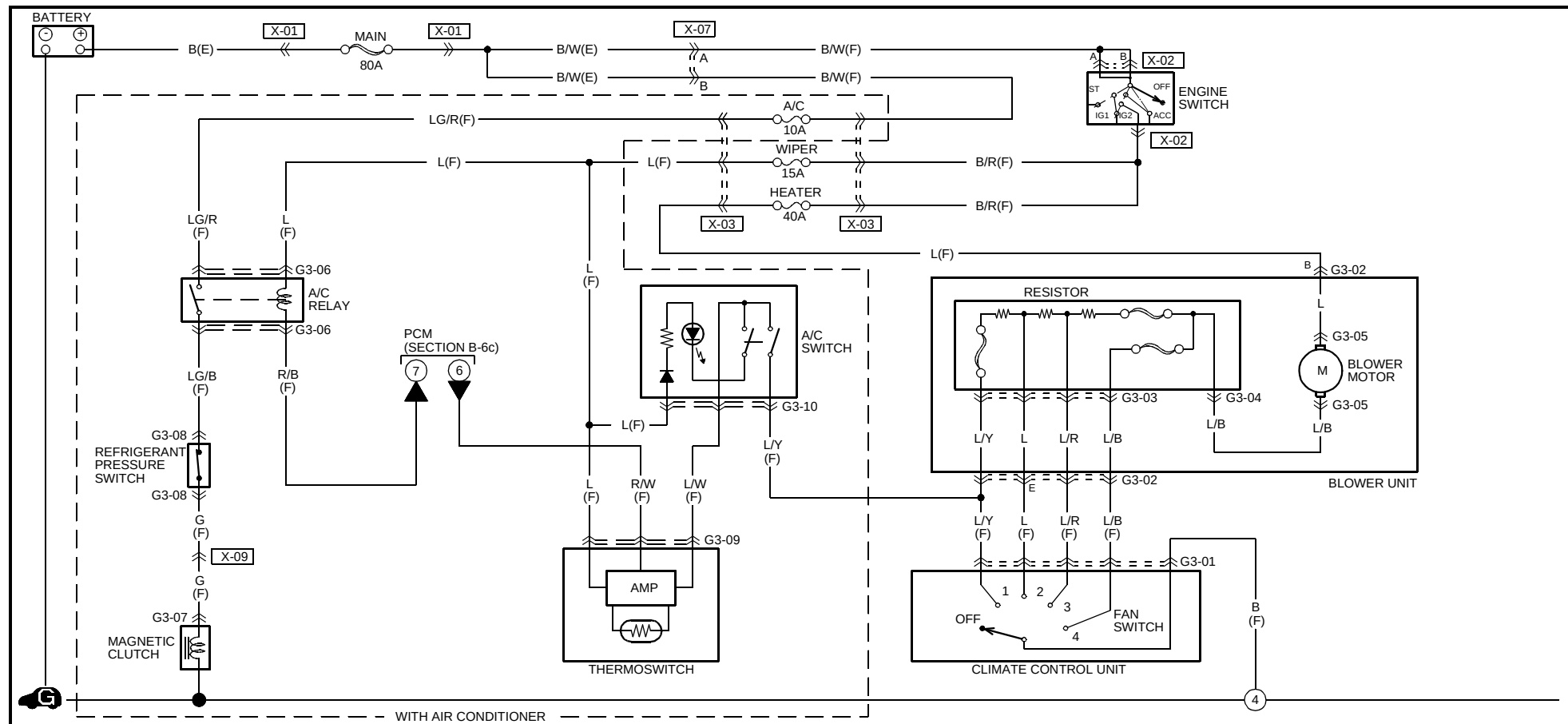
G2-12 FICD SOLENOID VALVE (F)



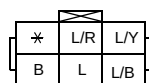
HARNESS SYMBOL :  (F)  (E)  (R)



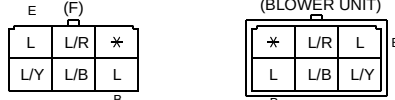
HEATER AND AIR CONDITIONER (WL-3, WLT-3, as of model year 2002)



G3-01 CLIMATE CONTROL UNIT(F)



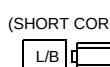
G3-02 FRONT(F)-BLOWER UNIT



G3-03 RESISTOR (SHORT CORD)



G3-04 RESISTOR (SHORT CORD)



G3-05 BLOWER MOTOR (SHORT CORD)



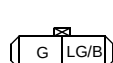
G3-06 A/C RELAY (F)



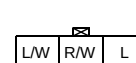
G3-07 MAGNETIC CLUTCH(E)



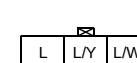
G3-08 REFRIGERANT PRESSURE SWITCH(F)



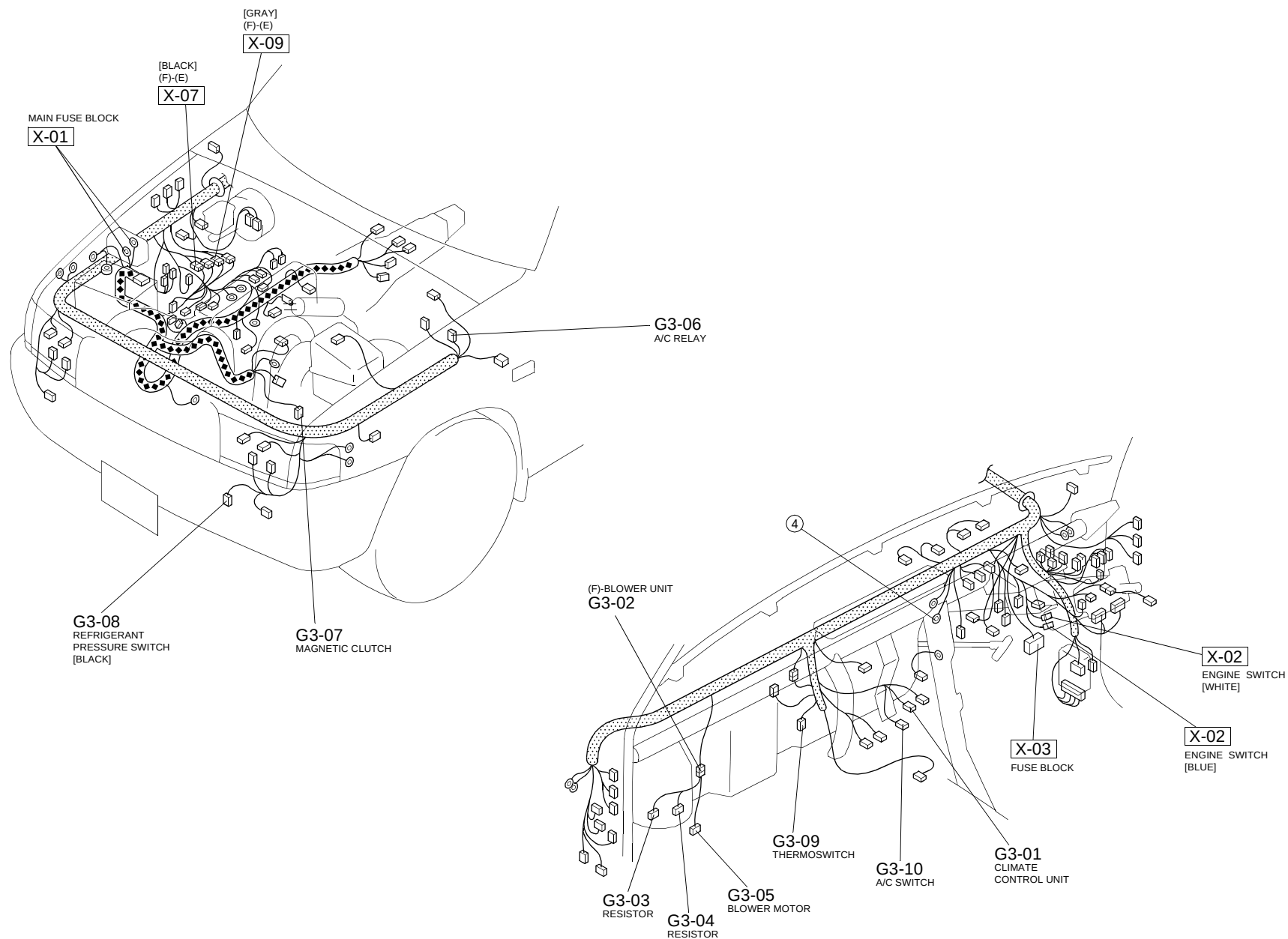
G3-09 THERMOSWITCH(F)



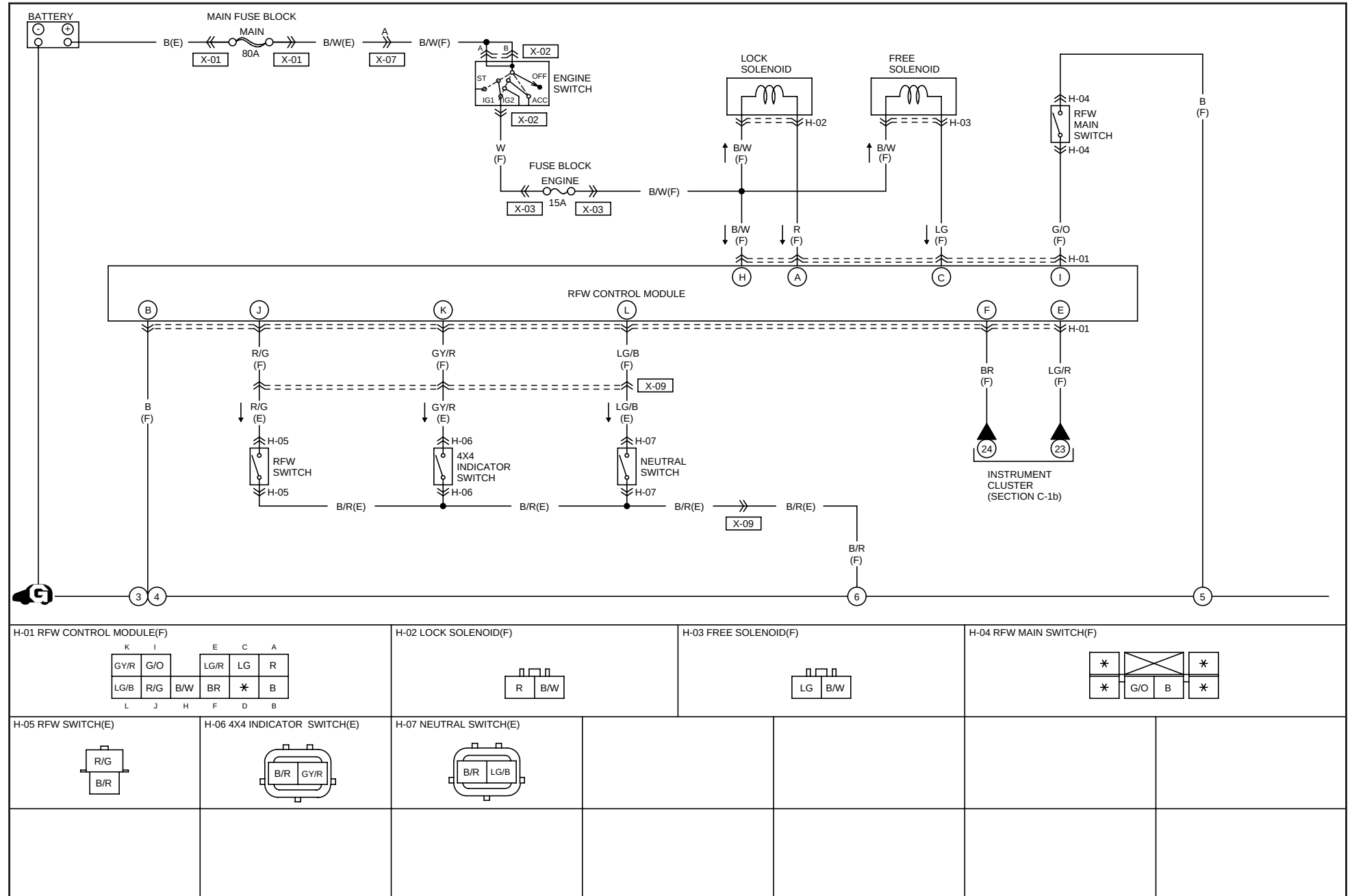
G3-10 A/C SWITCH(F)



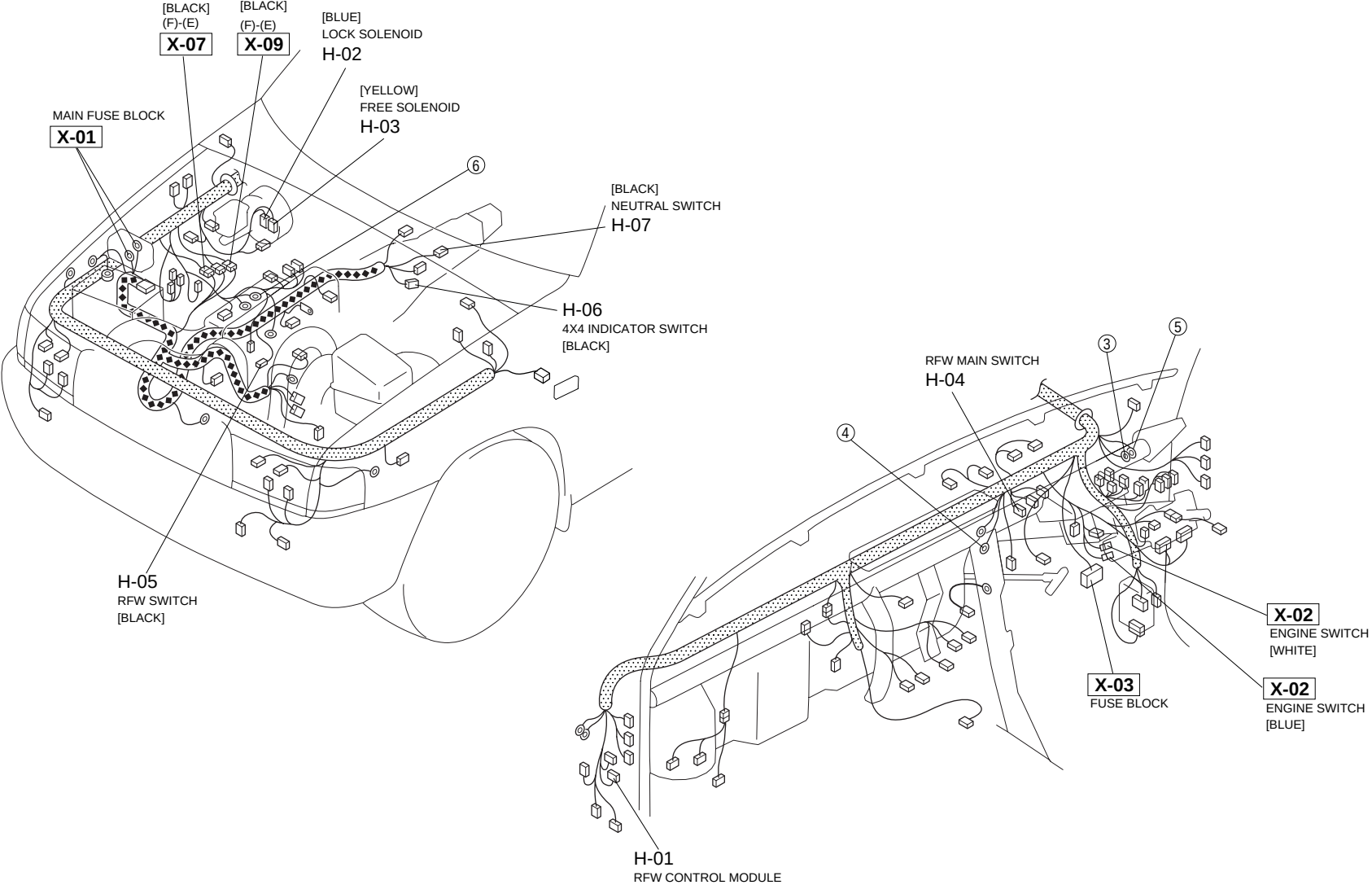
HARNESS SYMBOL :  (F)  (E)  (R)



REMOTE FREEWHEEL CONTROL SYSTEM (before model year 2002)

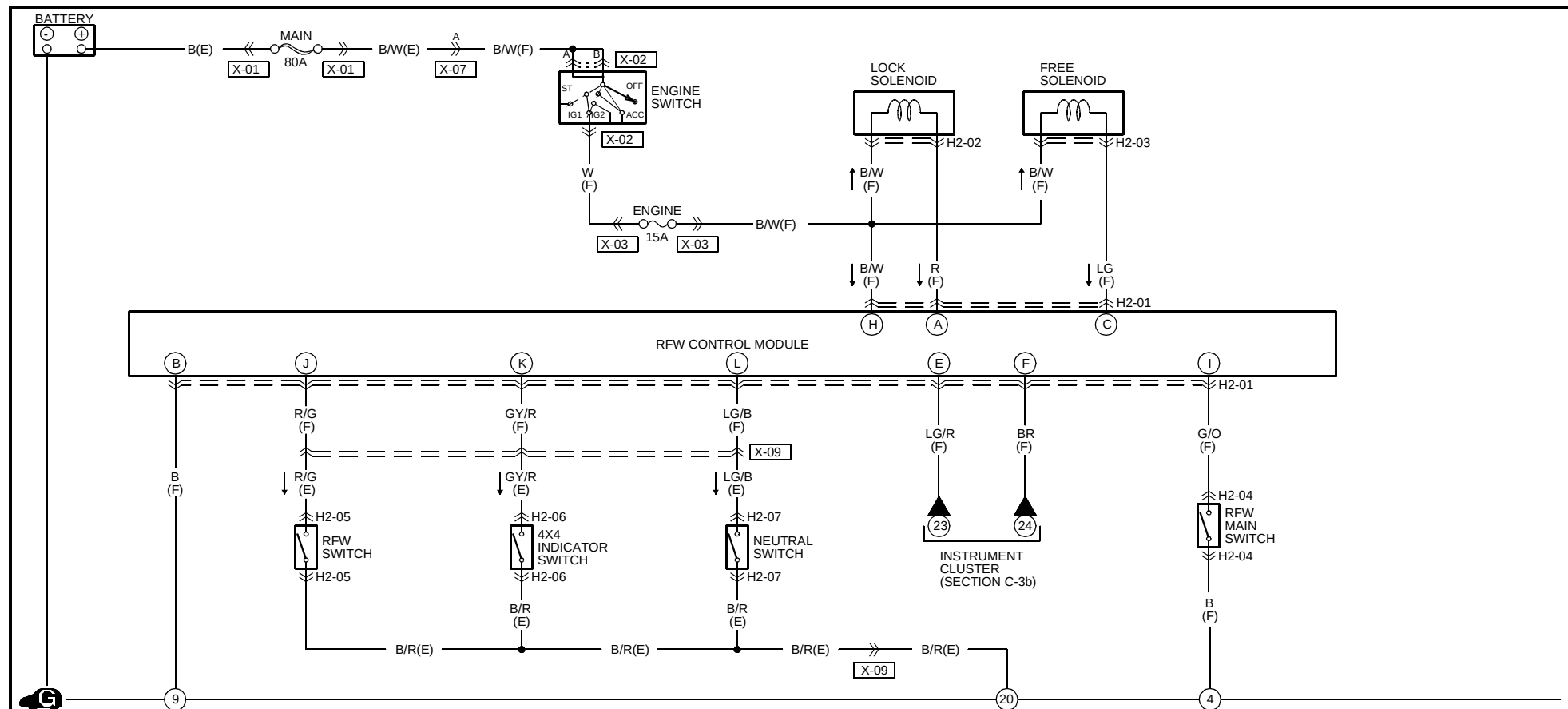


HARNESS SYMBOL :  (F)  (E)  (R)



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REMOTE FREEWHEEL CONTROL SYSTEM (WL-3, WLT-3, as of model year 2002)



H2-01 RFW CONTROL MODULE(F)

K	I	E	C	A
GY/R	G/O	LG/R	LG	R
LG/B	R/G	B/W	BR	*
L	J	H	F	D
B				

H2-02 LOCK SOLENOID(F)

R	B/W
---	-----

H2-03 FREE SOLENOID(F)

LG	B/W
----	-----

H2-04 RFW MAIN SWITCH(F)

*	G/O	B	*
*			*

H2-05 RFW SWITCH(E)

R/G	B/R
-----	-----

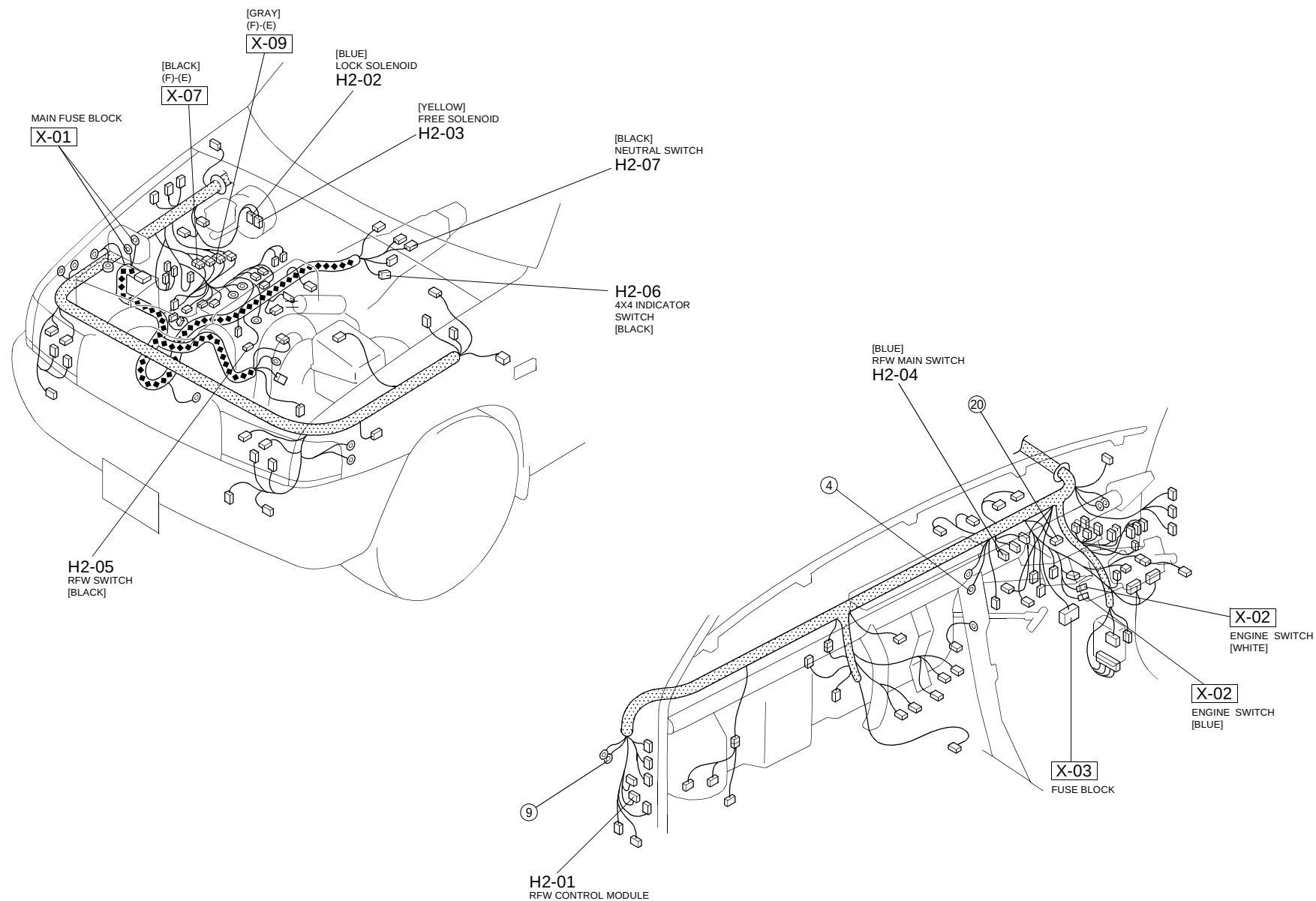
H2-06 4X4 INDICATOR SWITCH(E)

B/R	GY/R
-----	------

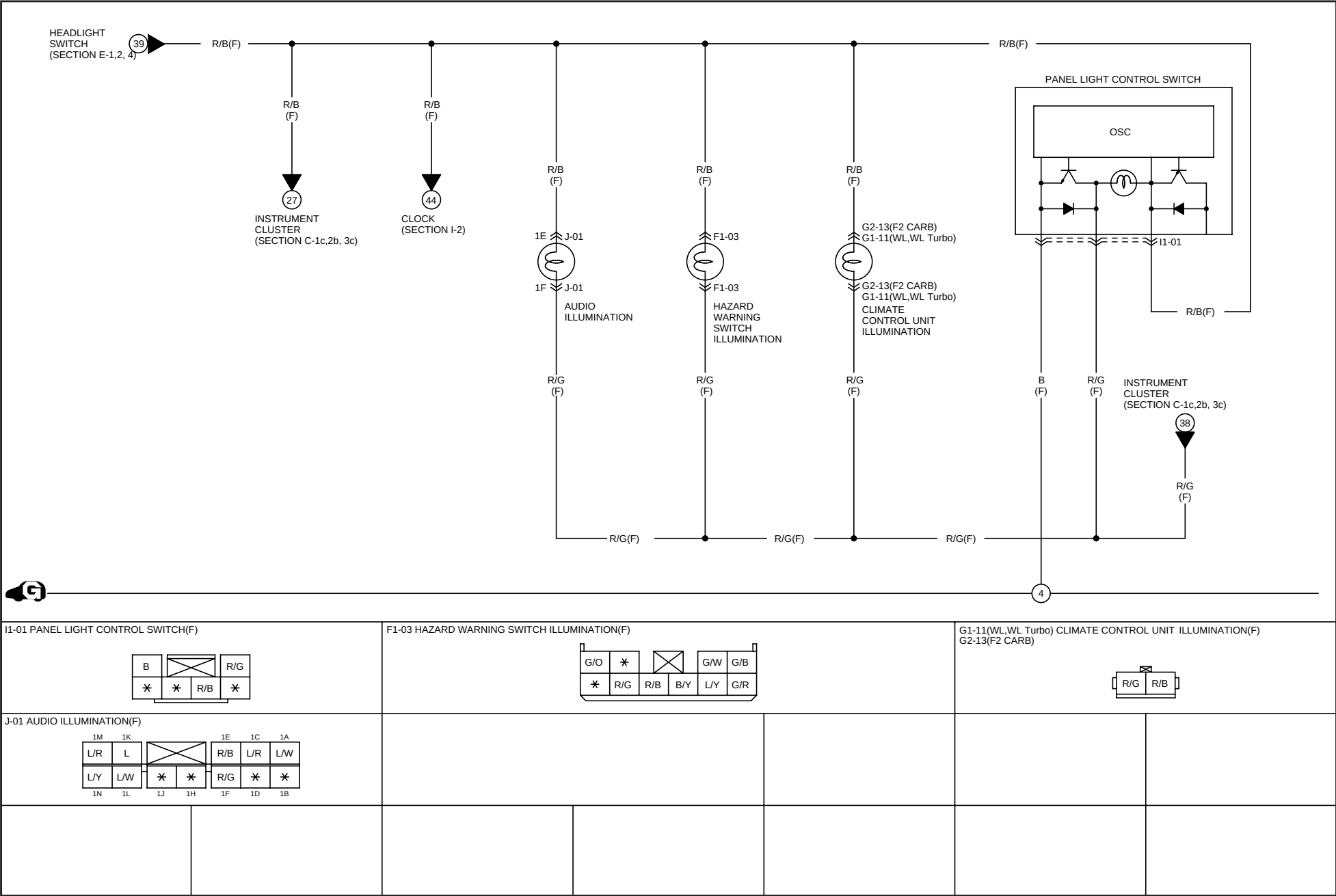
H2-07 NEUTRAL SWITCH(E)

B/R	LG/B
-----	------

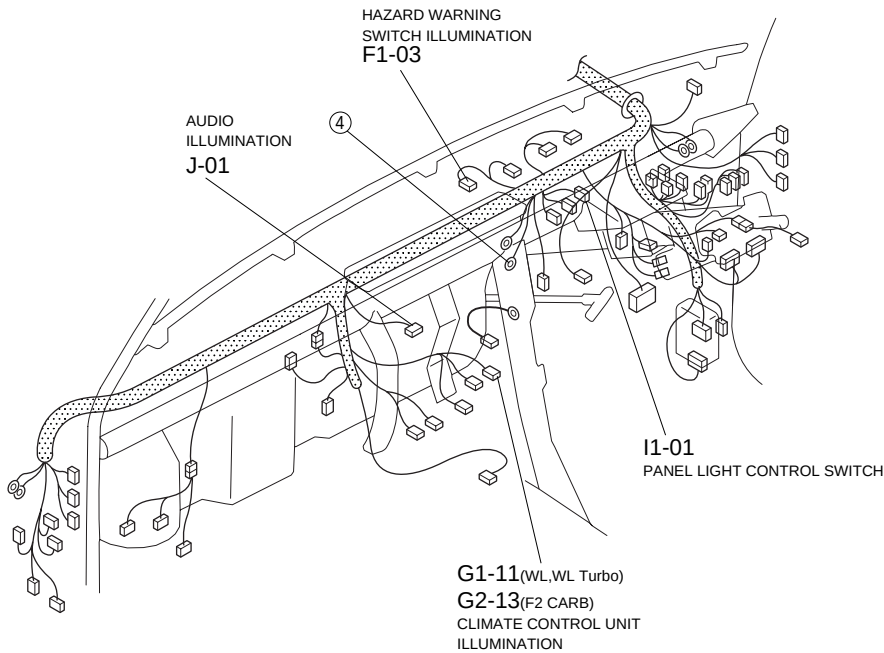
HARNESS SYMBOL :  (F)  (E)  (R)



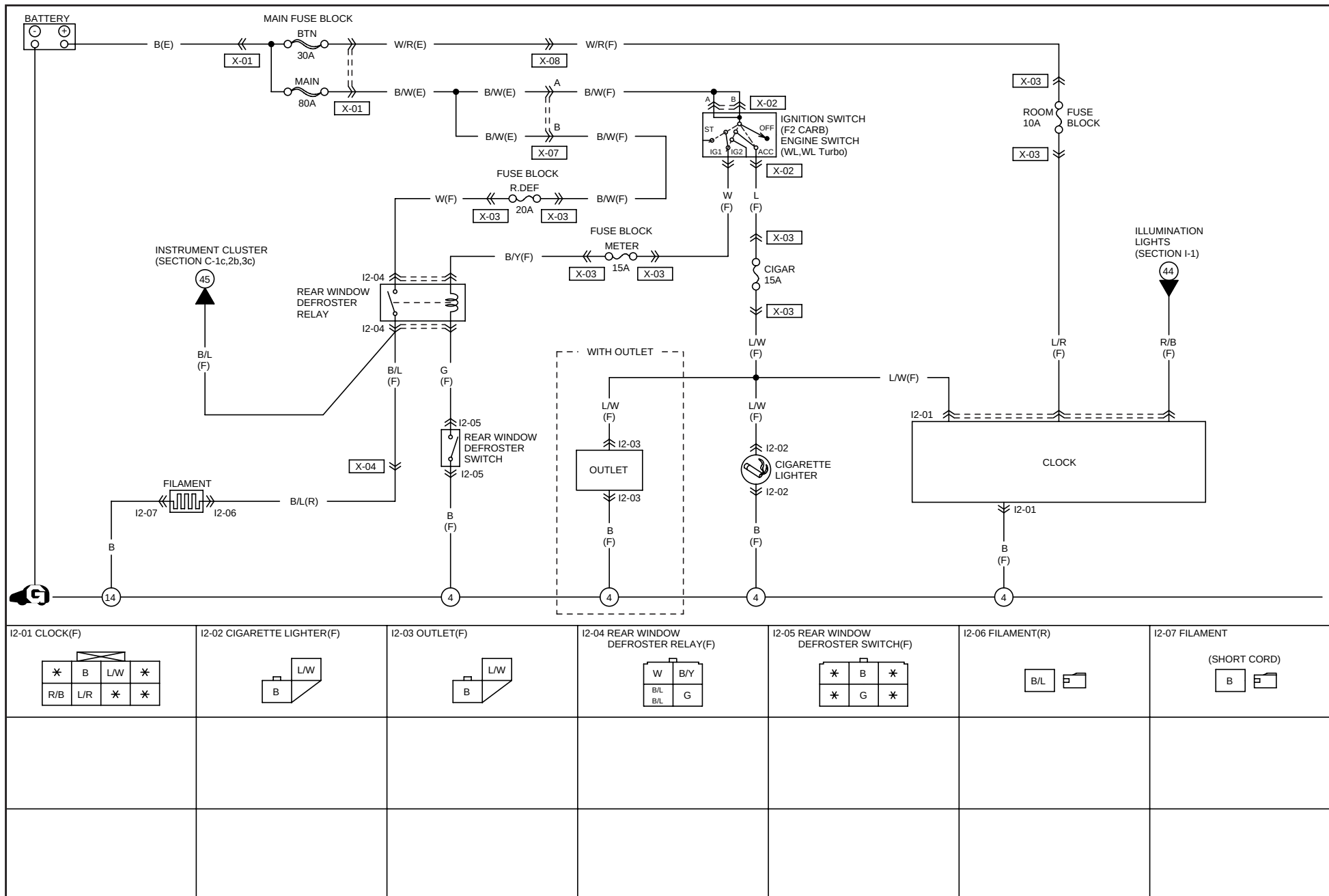
ILLUMINATION LIGHTS



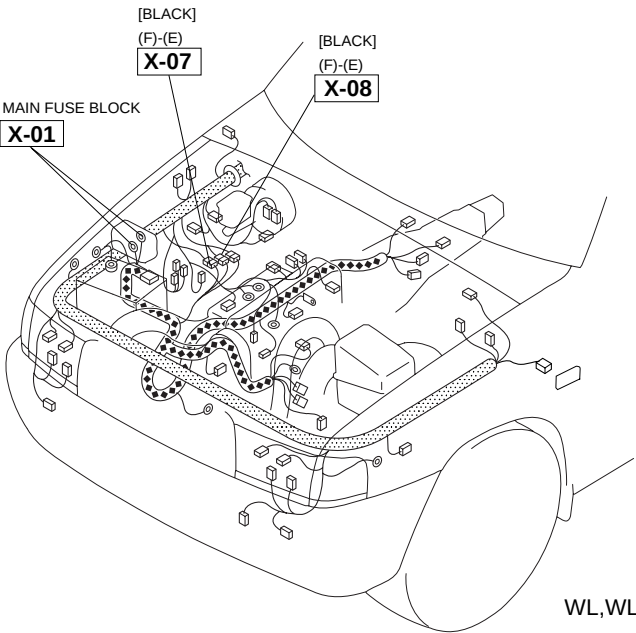
HARNESS SYMBOL :  (F)  (E)  (R)



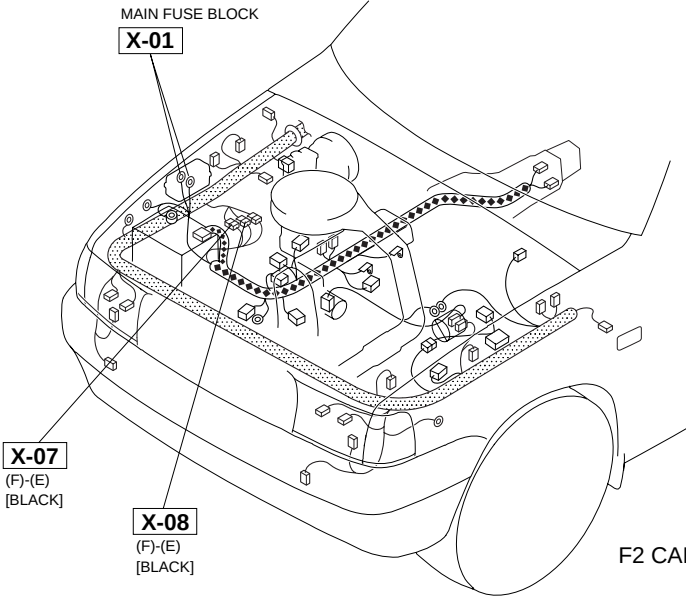
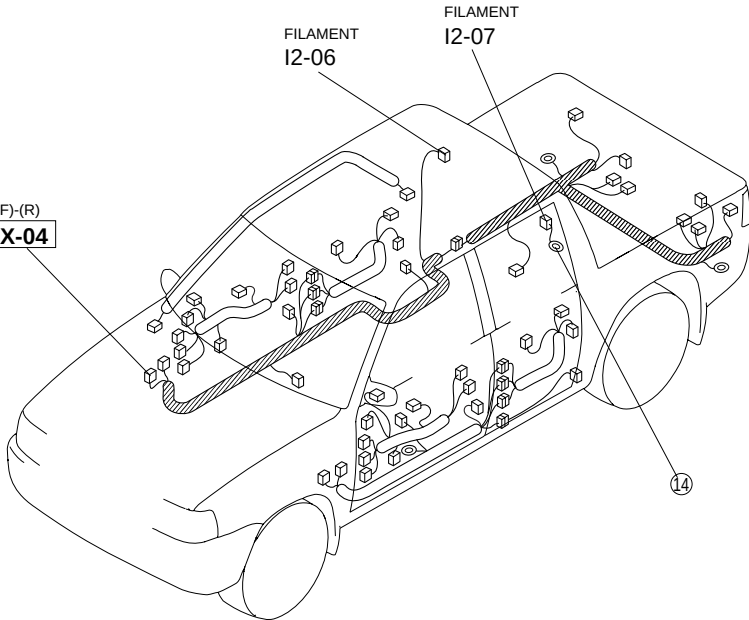
CIGARETTE LIGHTER / CLOCK / OUTLET / REAR WINDOW DEFROSTER



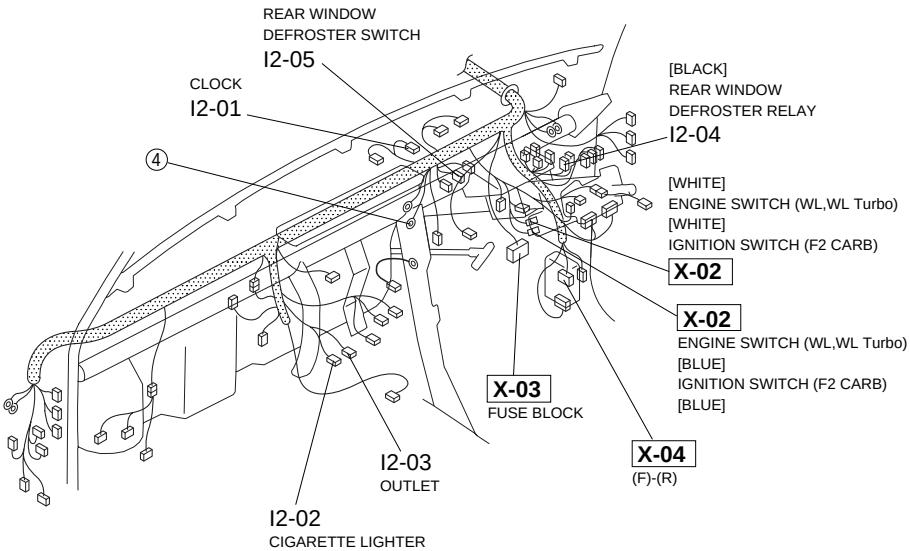
HARNESS SYMBOL :  (F)  (E)  (R)



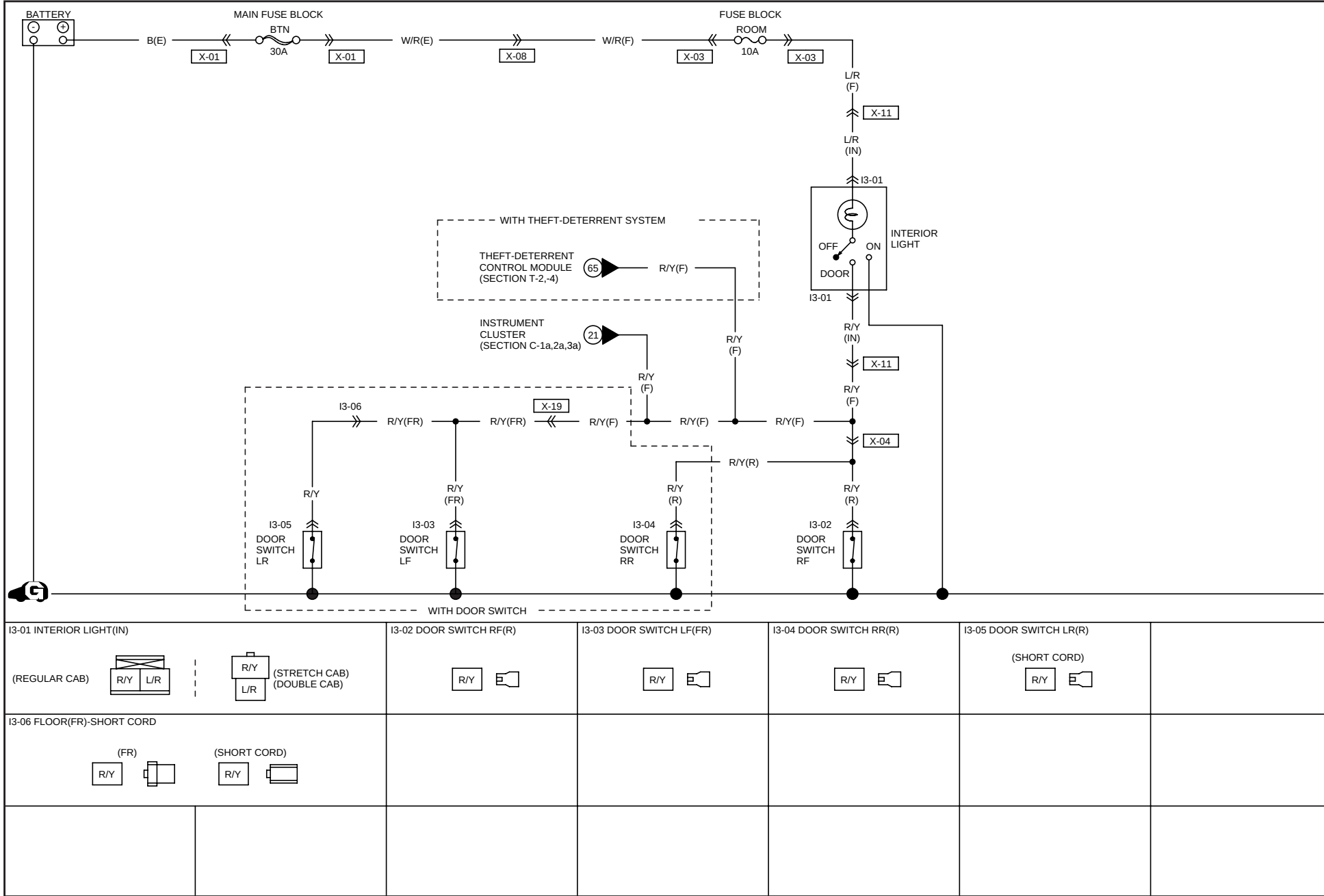
WL, WL Turbo



F2 CARB

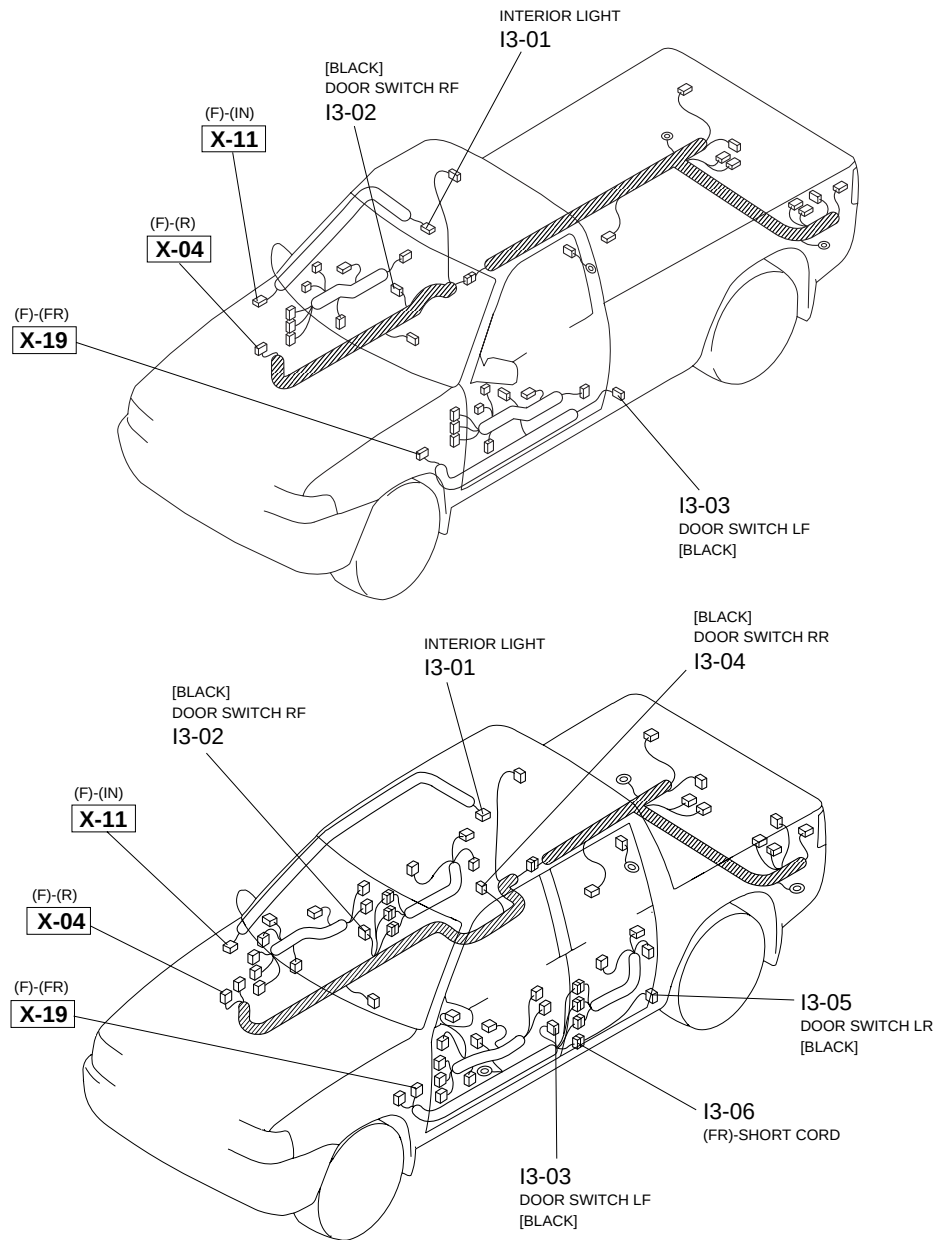
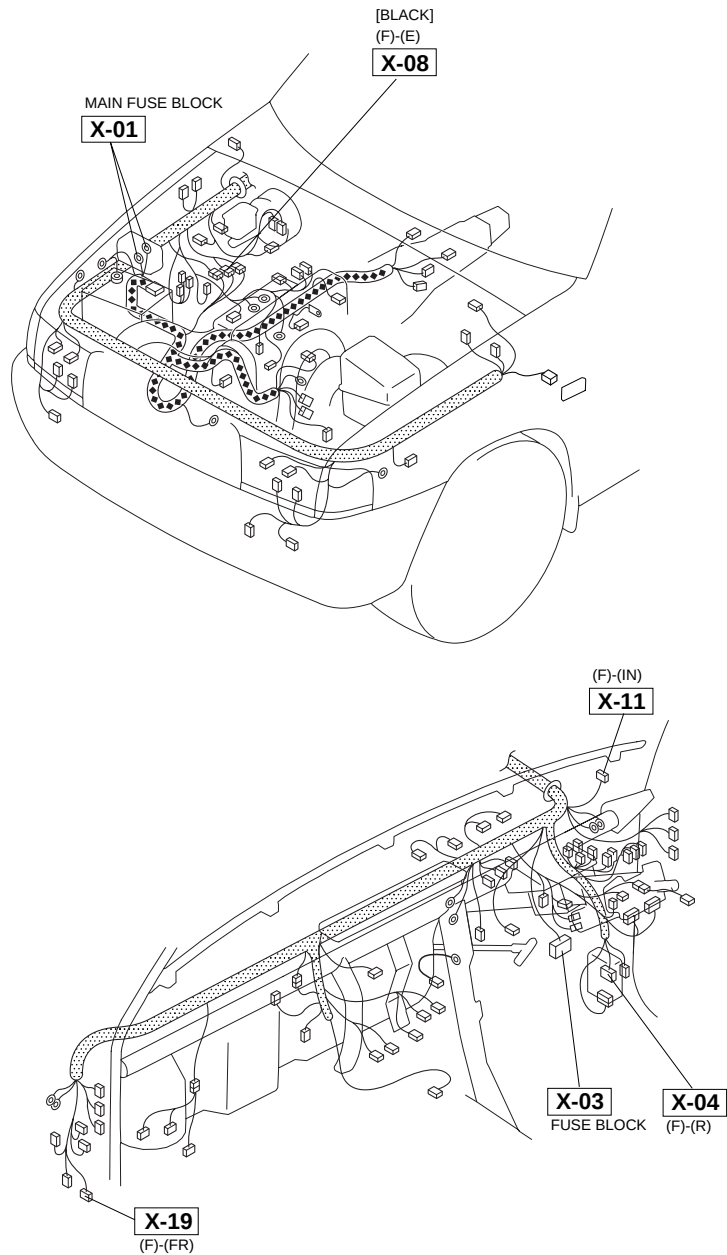


INTERIOR LIGHT

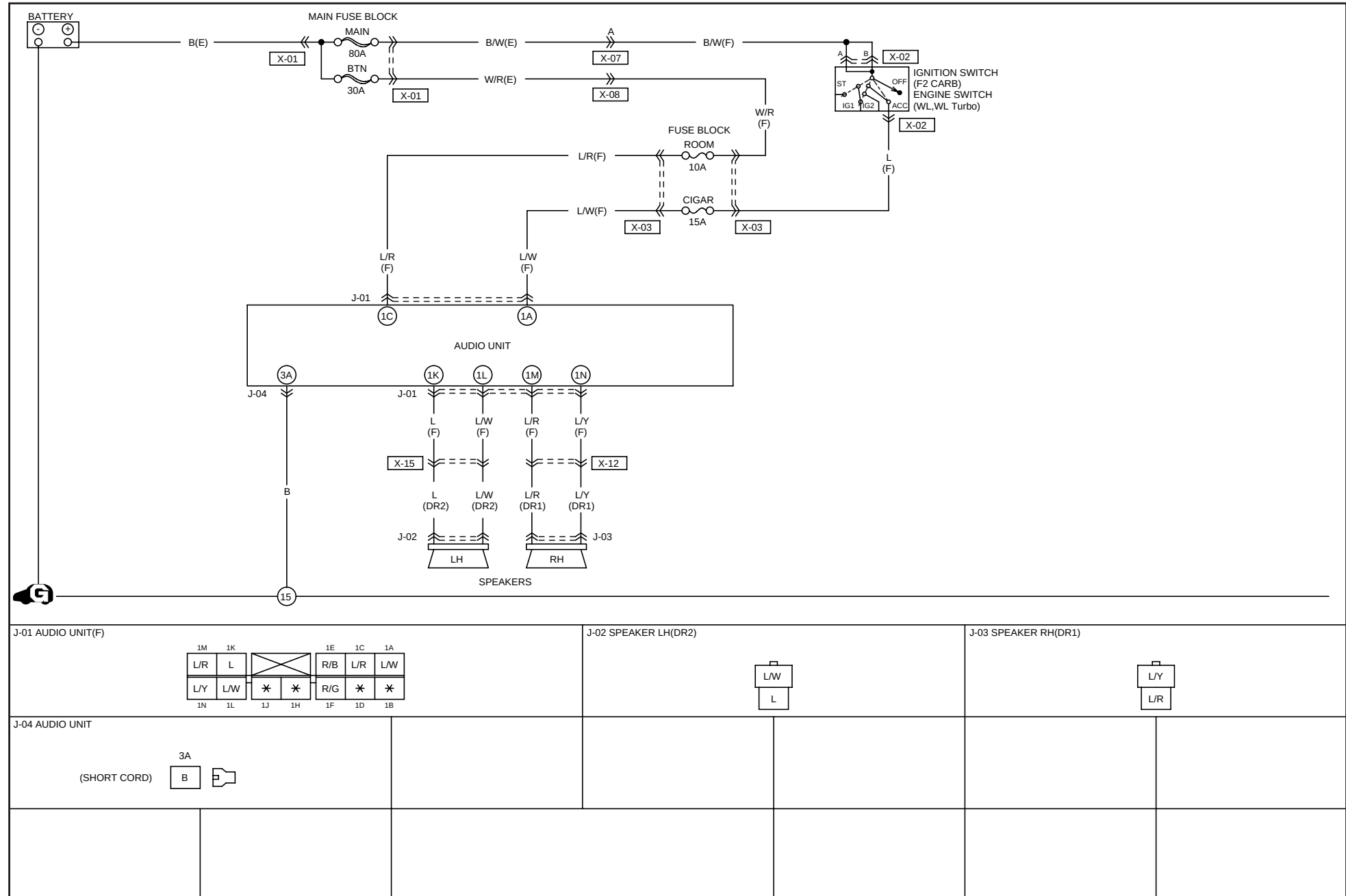


66-Z

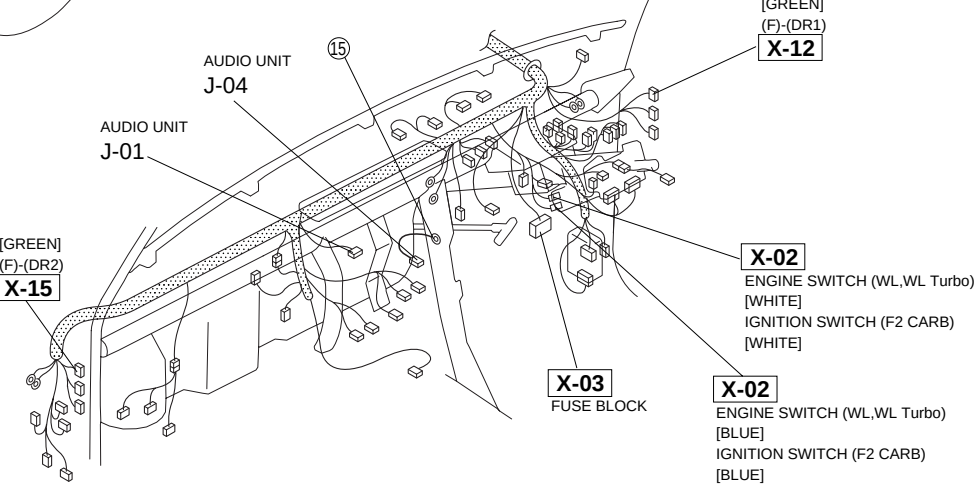
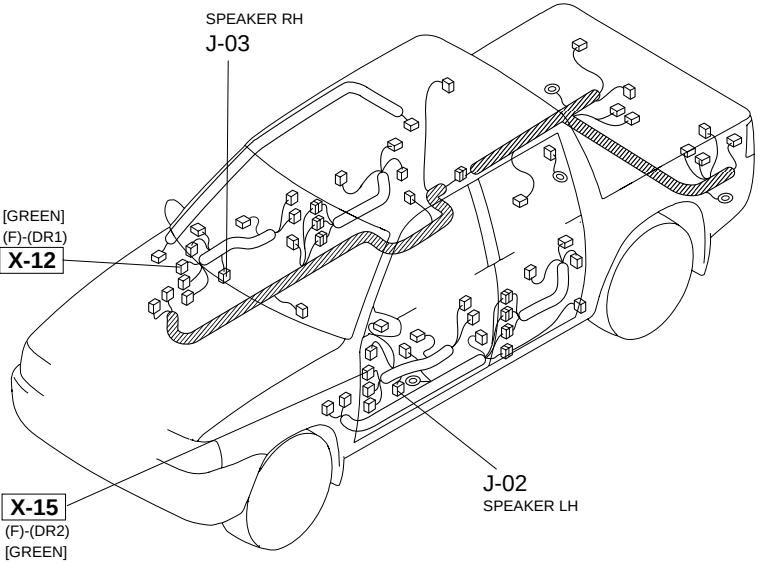
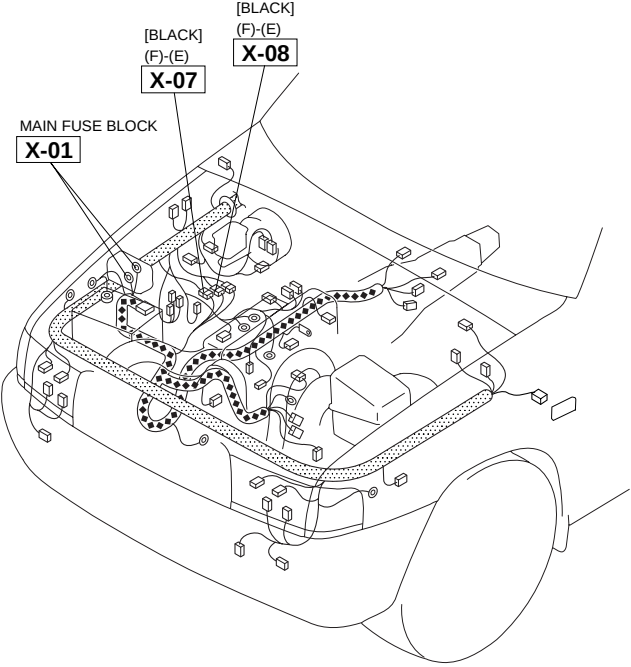
HARNESS SYMBOL :  (F)  (E)  (R)



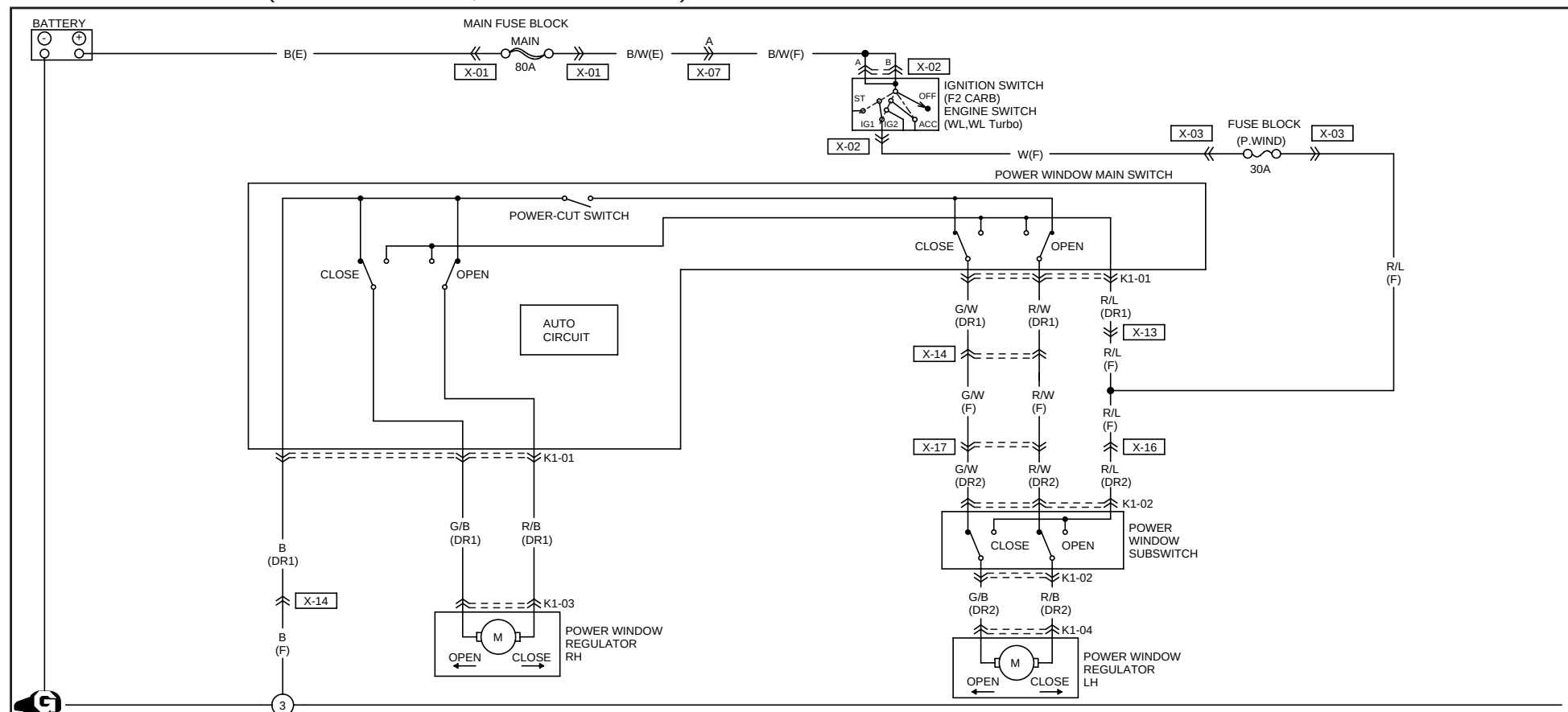
AUDIO SYSTEM



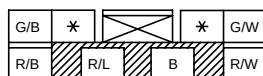
HARNESS SYMBOL :  (F)  (E)  (R)



POWER WINDOWS (REGULAR CAB, STRETCH CAB)



K1-01 POWER WINDOW MAIN SWITCH(DR1)



K1-02 POWER WINDOW SUBSWITCH (DR2)



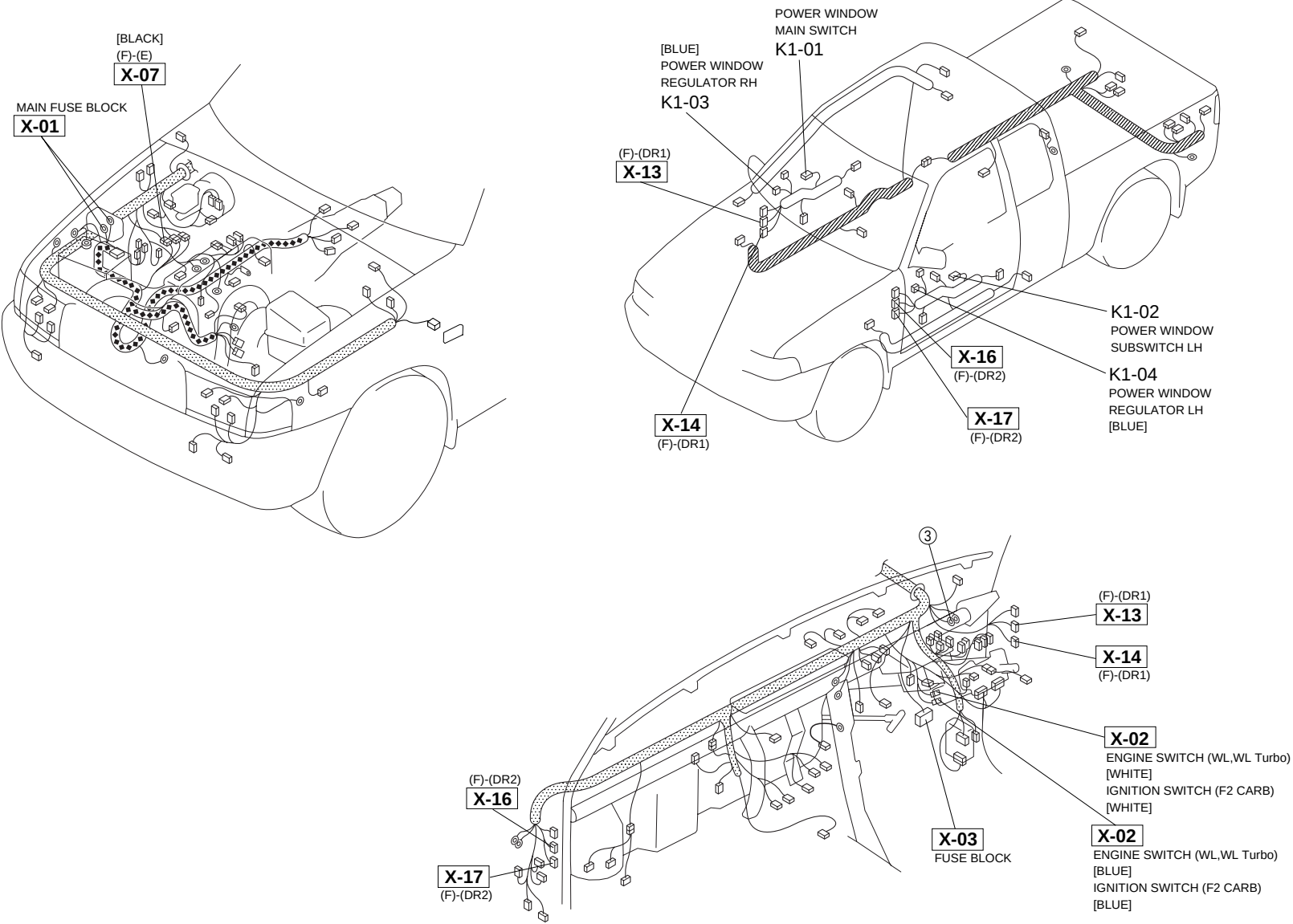
K1-03 POWER WINDOW REGULATOR RH(DR1)



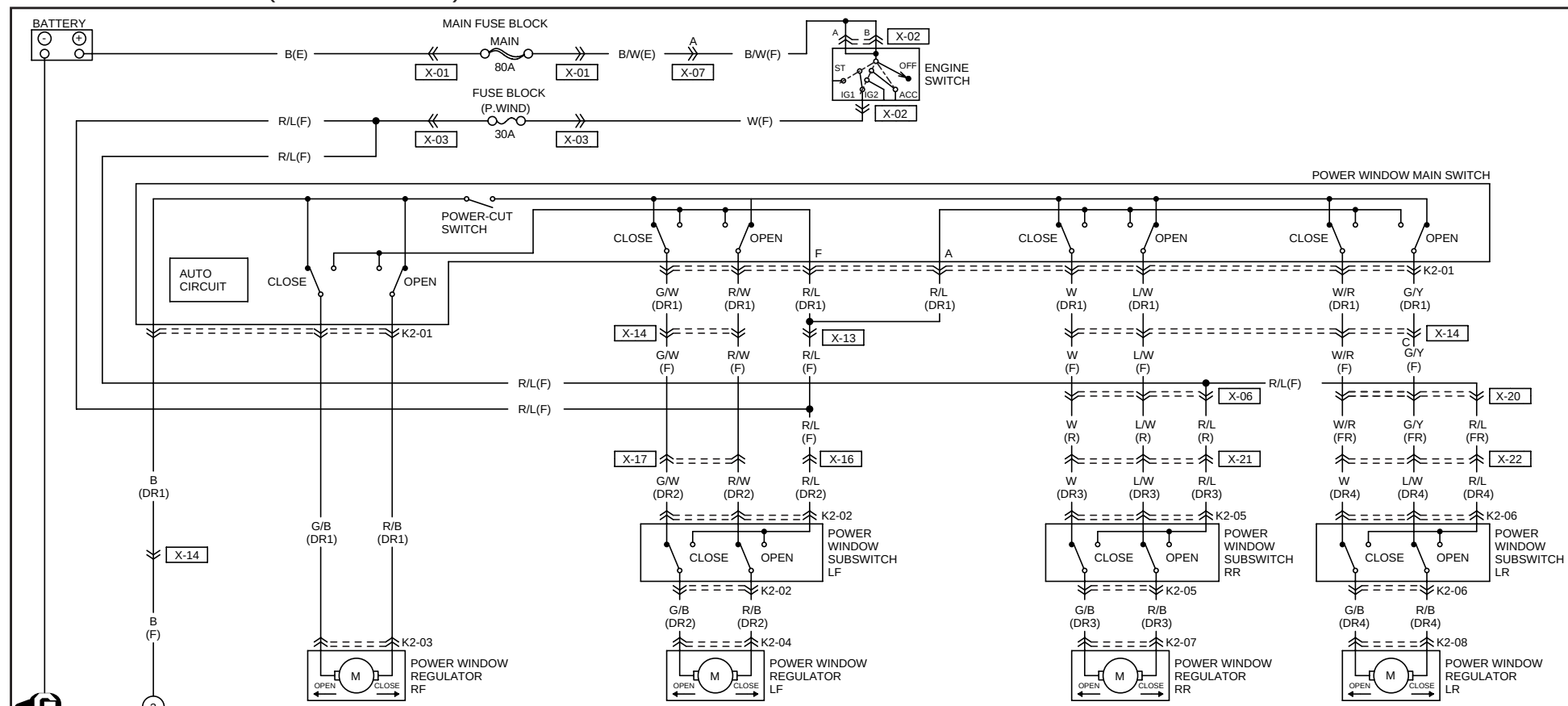
K1-04 POWER WINDOW REGULATOR LH(DR2)



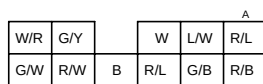
HARNESS SYMBOL :  (F)  (E)  (R)



POWER WINDOWS (DOUBLE CAB)



K2-01 POWER WINDOW MAIN SWITCH(DR1)



K2-02 POWER WINDOW SUBSWITCH LF(DR2)



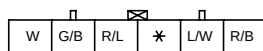
K2-03 POWER WINDOW REGULATOR RF(DR1)



K2-04 POWER WINDOW REGULATOR LF(DR2)



K2-05 POWER WINDOW SUBSWITCH RR(DR3)



K2-06 POWER WINDOW SUBSWITCH LR(DR4)



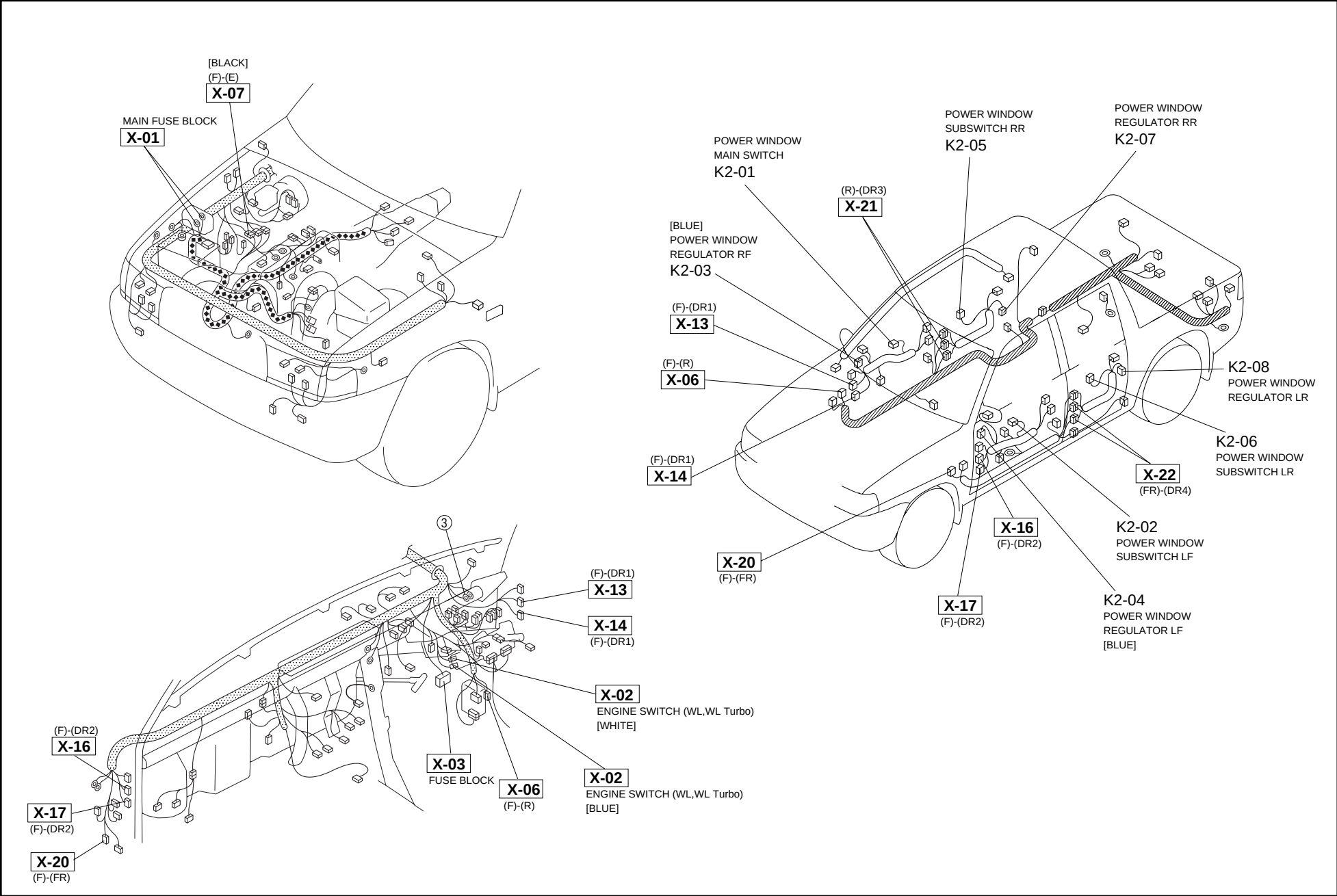
K2-07 POWER WINDOW REGULATOR RR(DR3)



K2-08 POWER WINDOW REGULATOR LR(DR4)



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



BATTERY

MAIN FUSE BLOCK

FUSE BLOCK (D/L)

WITH THEFT-DETERRENT SYSTEM

THEFT-DETERRENT CONTROL MODULE (SECTION T-2.4)

DOOR LOCK LINK SWITCH

DOOR LOCK TIMER UNIT

DOOR LOCK ACTUATOR LF (DR2)

DOOR LOCK ACTUATOR RR (DR3)

DOOR LOCK ACTUATOR LR (DR4)

DOUBLE CAB

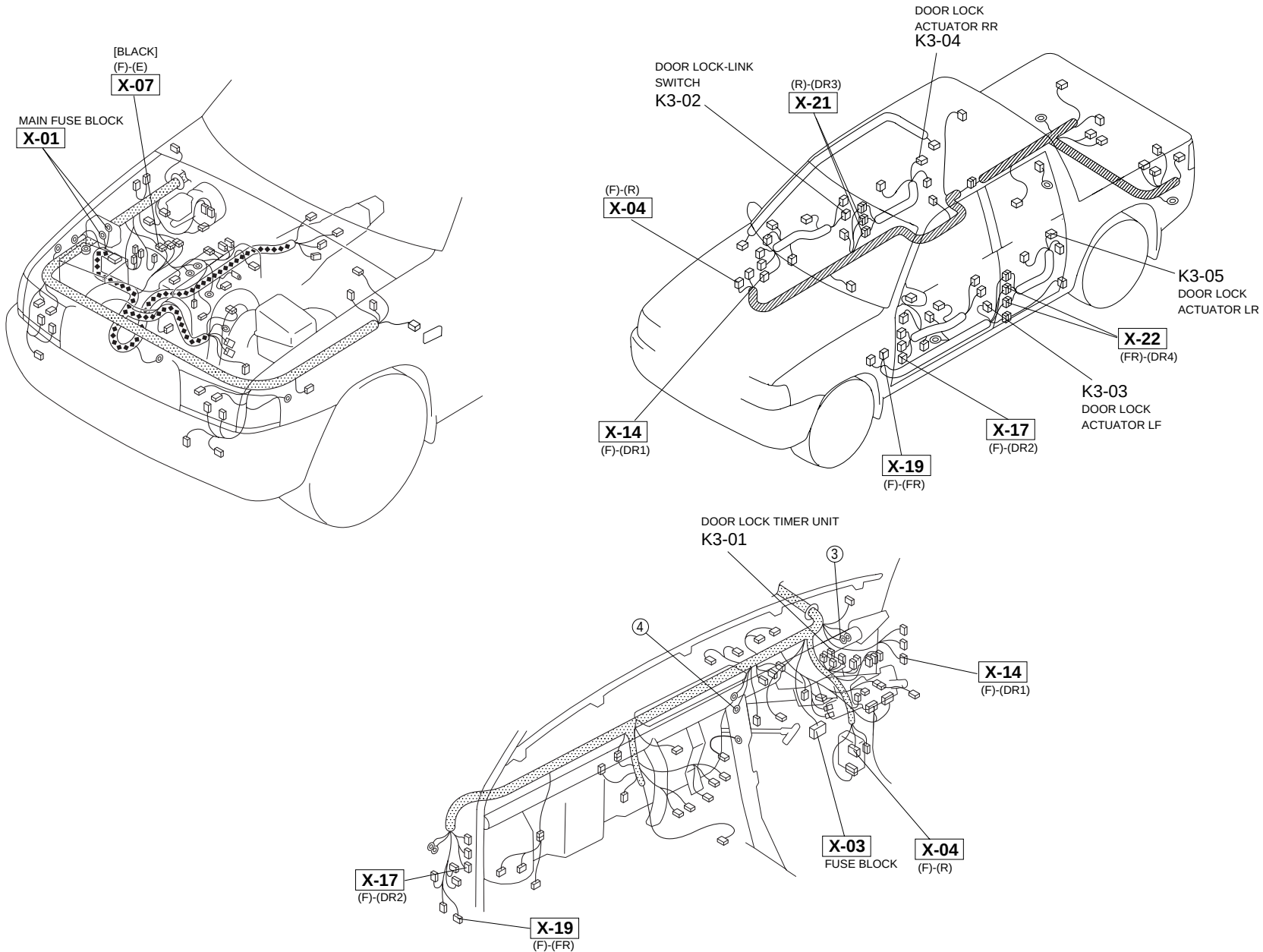
Wiring Details:

- BATTERY:** Connected to B(E) and B(W/E).
- MAIN FUSE BLOCK:** Contains MAIN 80A fuse.
- FUSE BLOCK (D/L):** Contains 30A fuse.
- THEFT-DETERRENT SYSTEM:** Includes a control module (64) and a G/O (F) line.
- DOOR LOCK LINK SWITCH:** Controls UN-LOCK and LOCK via K3-02.
- DOOR LOCK TIMER UNIT:** Controls the actuators via K3-01 and K3-03.
- DOOR LOCK ACTUATOR LF (DR2):** Controls the left front door lock.
- DOOR LOCK ACTUATOR RR (DR3):** Controls the right rear door lock.
- DOOR LOCK ACTUATOR LR (DR4):** Controls the left rear door lock.

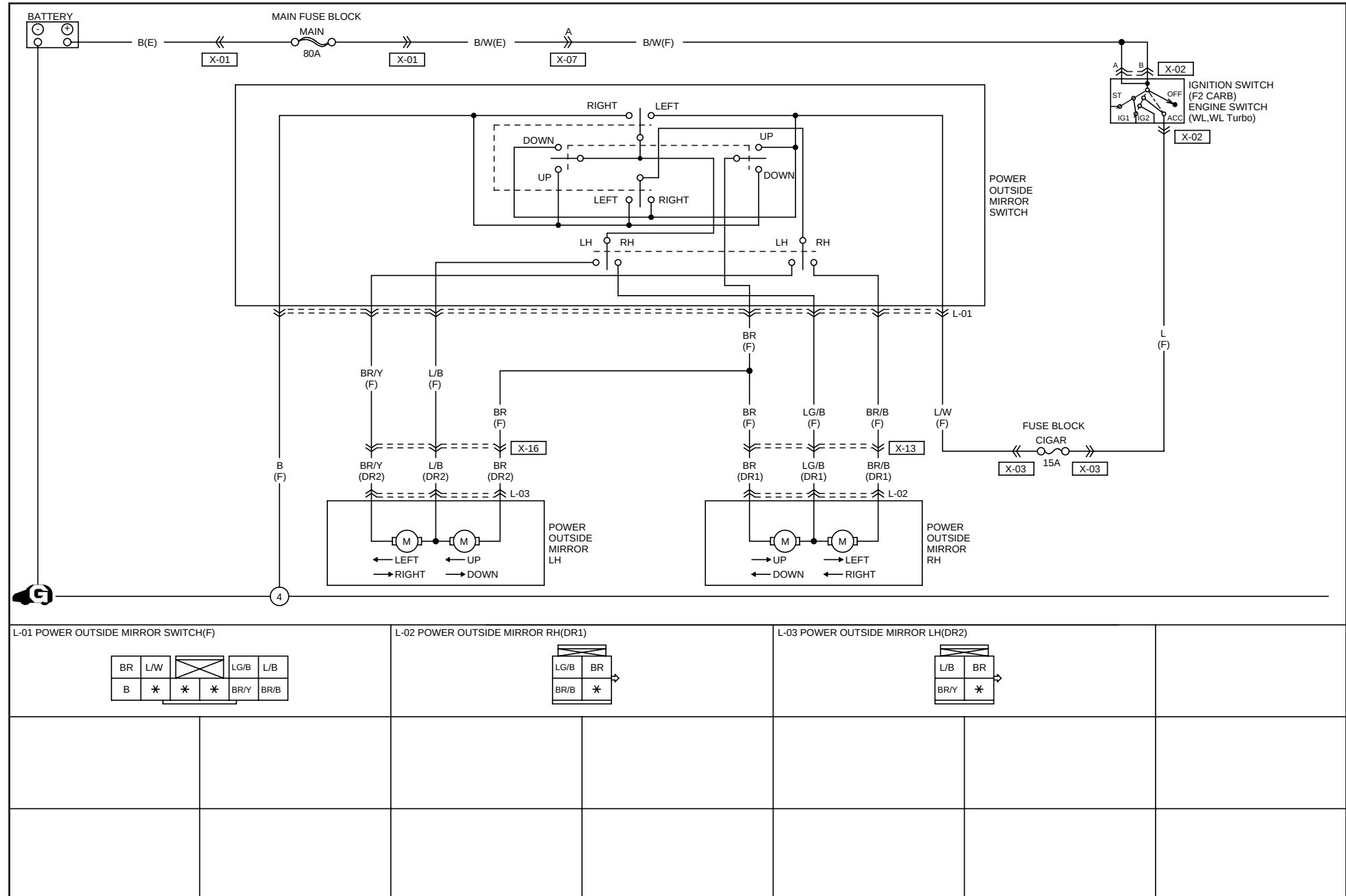
Component	Wiring Details								
K3-01 DOOR LOCK TIMER UNIT(F)	<table border="1"> <tr> <td>*</td> <td>G</td> <td>G/O</td> <td>B</td> </tr> <tr> <td>G/Y</td> <td>R</td> <td>G/R</td> <td>W/G</td> </tr> </table>	*	G	G/O	B	G/Y	R	G/R	W/G
*	G	G/O	B						
G/Y	R	G/R	W/G						
K3-02 DOOR LOCK-LINK SWITCH(DR1)	<table border="1"> <tr> <td>G/O</td> <td>G/Y</td> </tr> <tr> <td>*</td> <td>G/R</td> </tr> </table>	G/O	G/Y	*	G/R				
G/O	G/Y								
*	G/R								
K3-03 DOOR LOCK ACTUATOR LF(DR2)	<table border="1"> <tr> <td>G</td> <td>R</td> </tr> </table>	G	R						
G	R								
K3-04 DOOR LOCK ACTUATOR RR(DR3)	<table border="1"> <tr> <td>G</td> <td>R</td> </tr> </table>	G	R						
G	R								
K3-05 DOOR LOCK ACTUATOR LR(DR4)	<table border="1"> <tr> <td>B</td> <td>R</td> </tr> <tr> <td>LG/R</td> <td>G</td> </tr> </table>	B	R	LG/R	G				
B	R								
LG/R	G								

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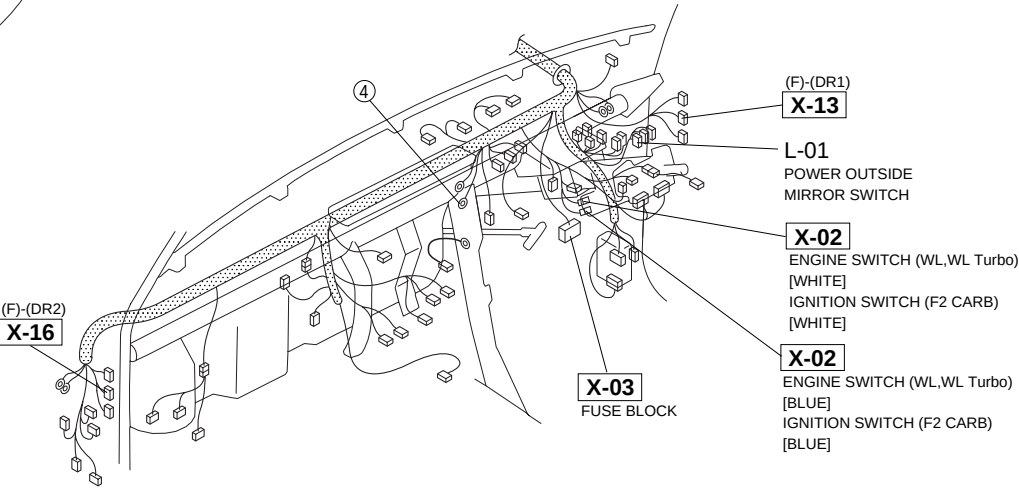
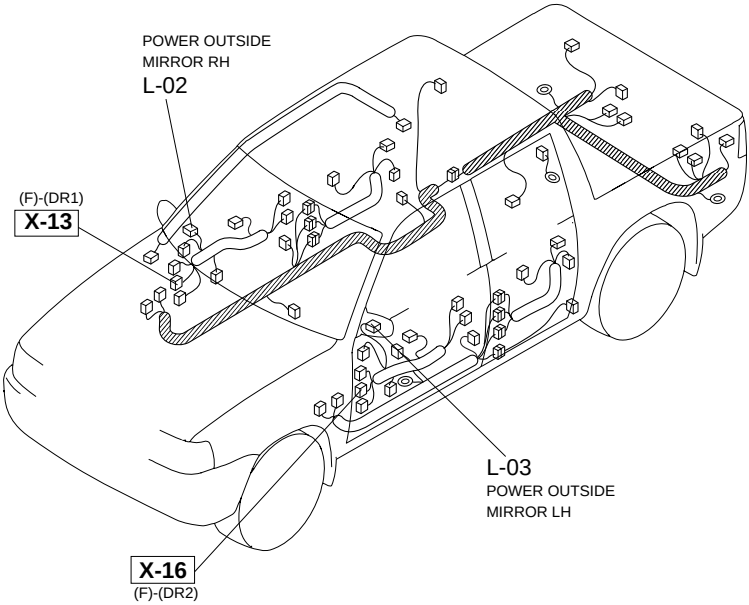
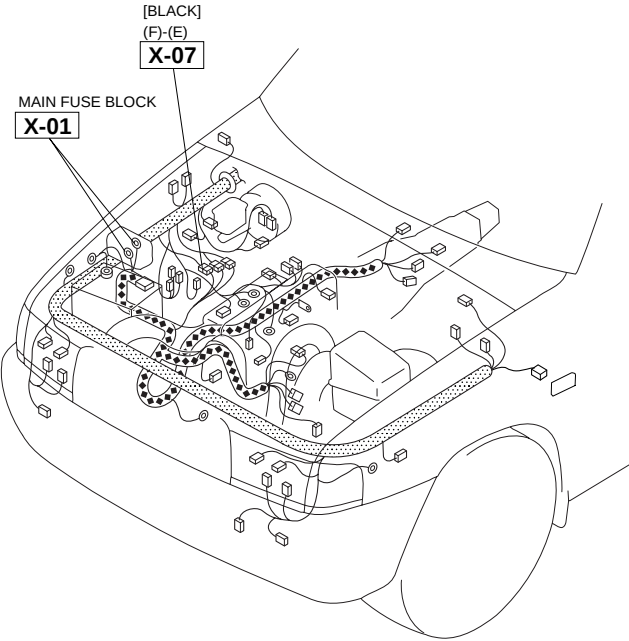
HARNESS SYMBOL :  (F)  (E)  (R)



POWER OUTSIDE MIRRORS



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

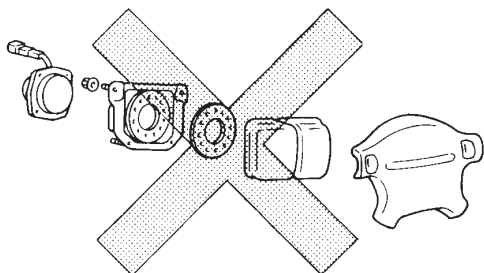


AIR BAG SYSTEM

SERVICE WARNINGS

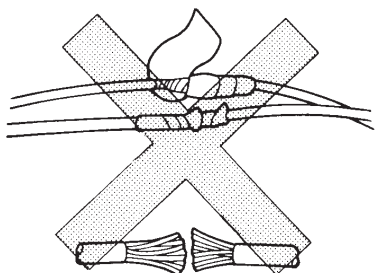
Component Disassembly

- Disassembling and reassembling the components of the air bag system can render the system inoperative, which may result in serious injury or death in the event of an accident. Do not disassemble any air bag system component.



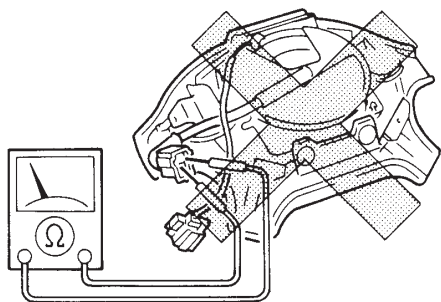
Wiring Harness Repair

- Incorrectly repairing an air bag system wiring harness can accidentally deploy the air bag module, which can cause serious injury. If a problem is found in the system wiring, replace the wiring harness. Do not try to repair it.



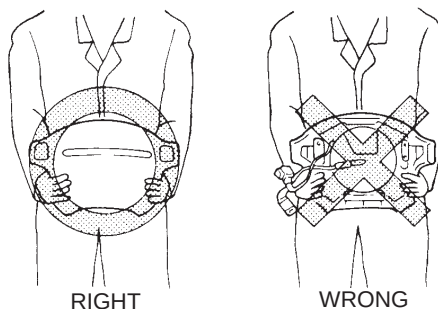
Air Bag Module Inspection

- Inspecting an air bag module using an ohmmeter can deploy the air bag module, which may cause serious injury. Do not use an ohmmeter to inspect an air bag module. Always use the on-board diagnostic function to diagnose the air bag for malfunctions. (Refer to ON-BOARD DIAGNOSTIC FUNCTION, AIR BAG SYSTEM.)

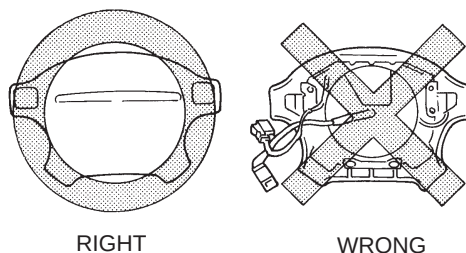


Air Bag Module Handling

- A live (undeployed) air bag module may accidentally deploy when it is handled and cause serious injury. When carrying a live (undeployed) air bag module, point the front surface away from your body to lessen the chance of injury in case it deploys.



- A live (undeployed) air bag module placed face down on a surface is dangerous. If the air bag module deploys, the motion of the module can cause serious injury. Always face the front surface up to reduce the motion of the module in case it accidentally deploys.



SAS Unit Handling

- Disconnecting the SAS unit connector or removing the SAS unit with the ignition switch at ON position can cause the air bag modules to deploy, which may seriously injure you. Before disconnecting the SAS unit connector or removing the SAS unit, turn the ignition switch to LOCK position, then disconnect the negative battery cable and wait for more than 1 minute to allow the backup power supply of the SAS unit to deplete its stored power.
- Connecting the SAS unit connector without firmly installing the SAS unit to the vehicle is dangerous. The crash sensor inside the unit may send an electrical signal to the air bag modules. This will deploy the air bag modules, which may result in serious injury. Therefore, before connecting the connector, firmly mount the unit to the vehicle.
- For vehicles with a single point sensor, once an air bag is deployed due to an accident or other causes, the SAS unit must be replaced with a new one even if the used one does not have any external signs of damage. The used SAS unit may have been damaged internally which may cause improper operation, resulting in major injuries or even death. The used single point SAS unit cannot be bench-checked or self-checked.

Component Handling

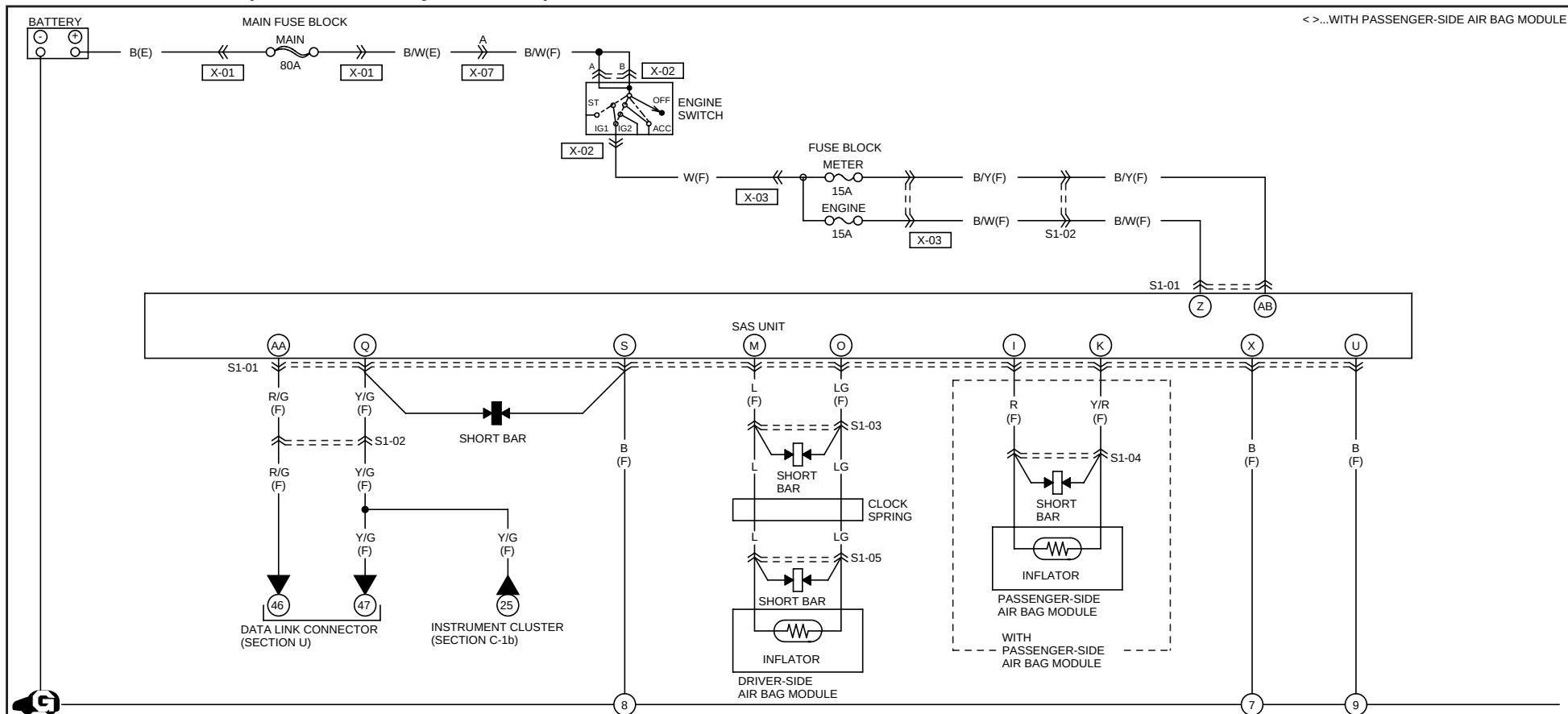
- Oil, grease, water, etc on components may cause the air bag modules to fail to deploy in an accident, which may cause serious injury. Do not allow oil, grease, water, etc on components.
- Inserting a screwdriver, etc into the connector of an air bag module may damage the connector and cause the air bag module to deploy improperly, which may cause serious injury. Do not insert any foreign objects into the connector.

Component Reusing

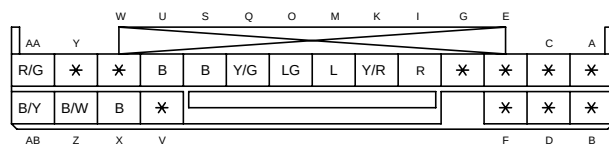
- Even if an air bag module does not deploy in a collision and does not have any external signs of damage, it may have been damaged internally, which may cause improper operation. Improper operation may cause serious injury. Always self-check the undamaged air bag module to determine whether it can be reused. (Refer to ON-BOARD DIAGNOSTIC FUNCTION, AIR BAG SYSTEM.)

*The references in this section can be found in Repair Manual [F160-10-99A (1999-1)]

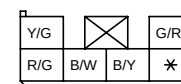
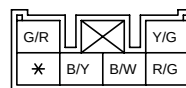
AIR BAG SYSTEM (before model year 2002)



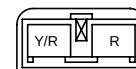
S1-01 SAS UNIT(F)



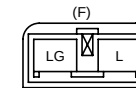
S1-02 SHORT CONNECTOR(F)



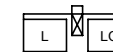
S1-04 PASSENGER-SIDE AIR BAG MODULE(F)



S1-03 FRONT(F)-CLOCK SPRING

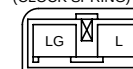


(CLOCK SPRING)

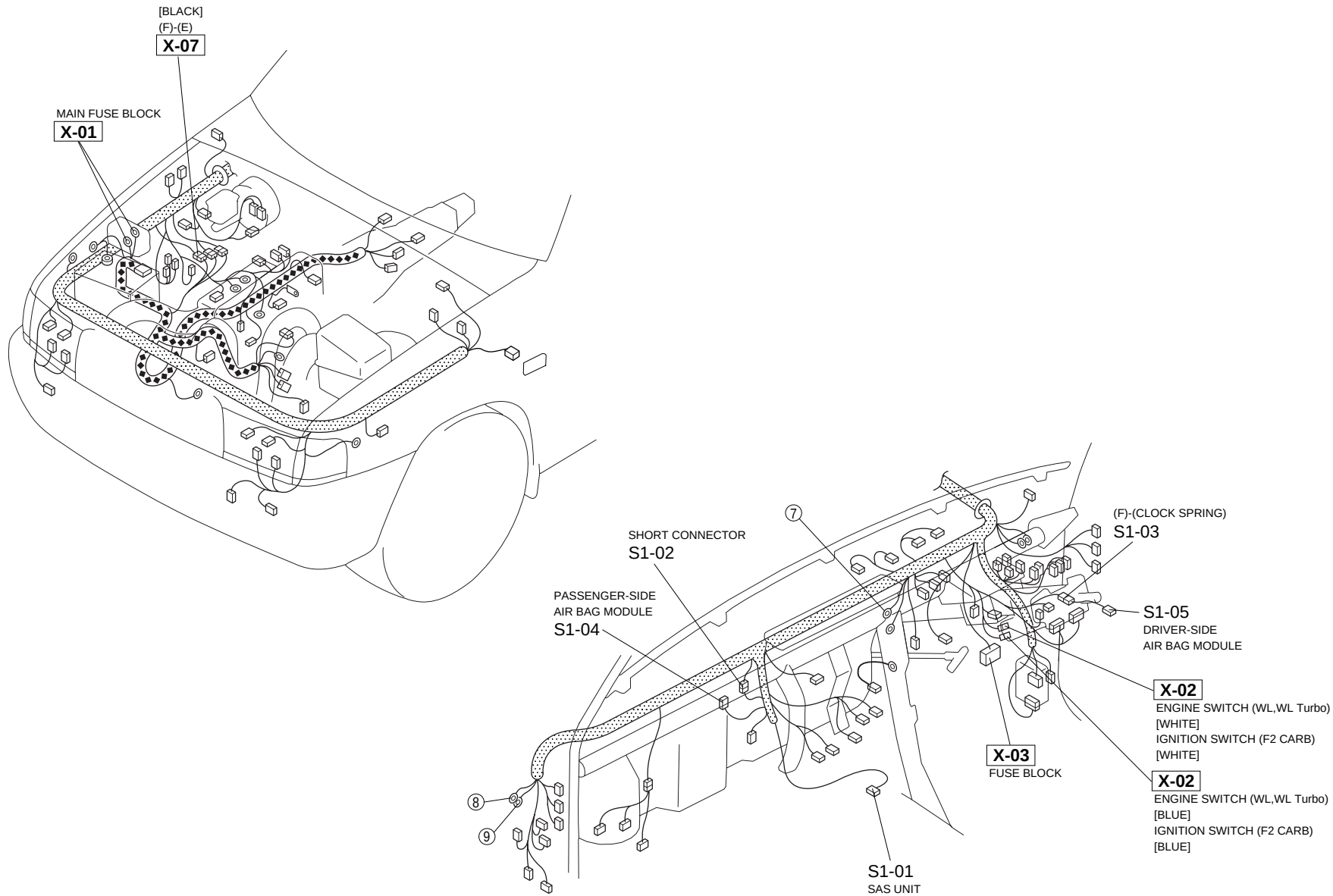


S1-05 DRIVER-SIDE AIR BAG MODULE

(CLOCK SPRING)



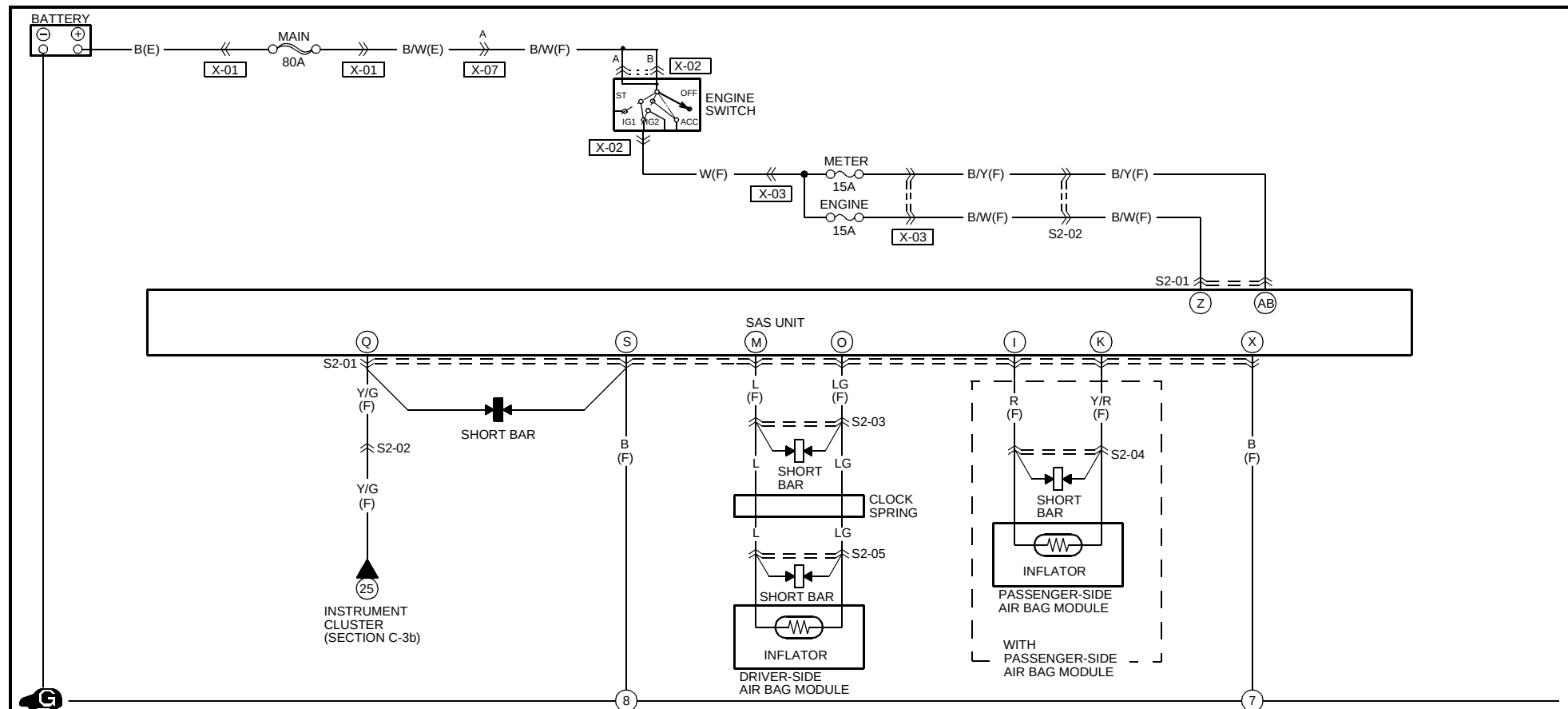
HARNESS SYMBOL :  (F)  (E)  (R)



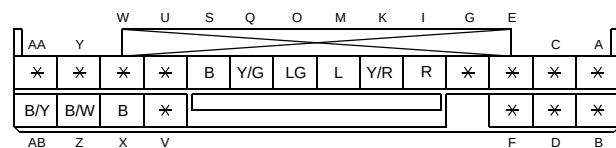
Z-114

WIRING DIAGRAM Z

AIR BAG SYSTEM (WL-3, WLT-3, as of model year 2002)



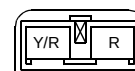
S2-01 SAS UNIT(F)



S2-02 SHORT CONNECTOR(F)



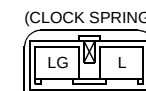
S2-04 PASSENGER-SIDE AIR BAG MODULE(F)



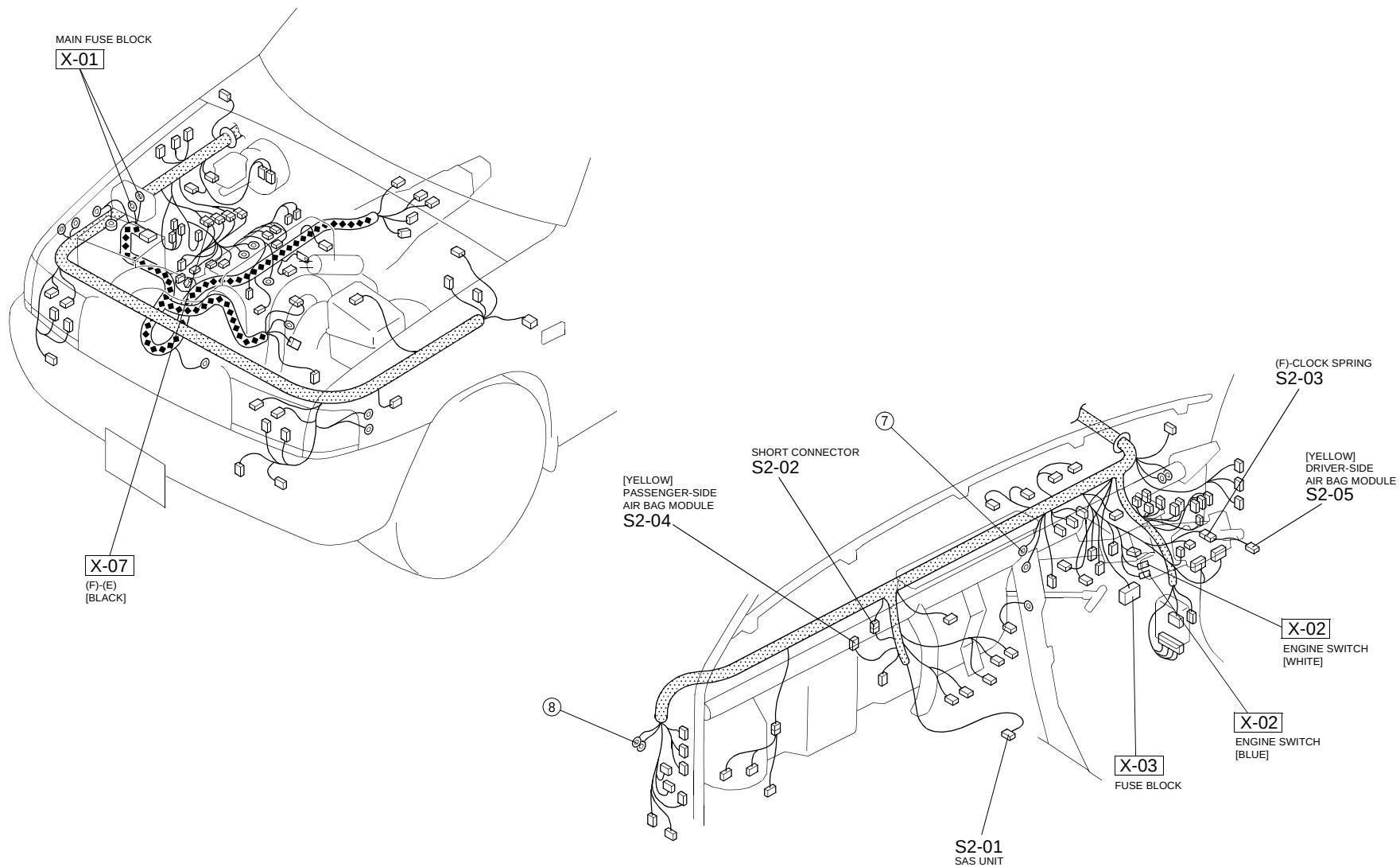
S2-03 FRONT(F)-CLOCK SPRING



S2-05 DRIVER-SIDE AIR BAG MODULE



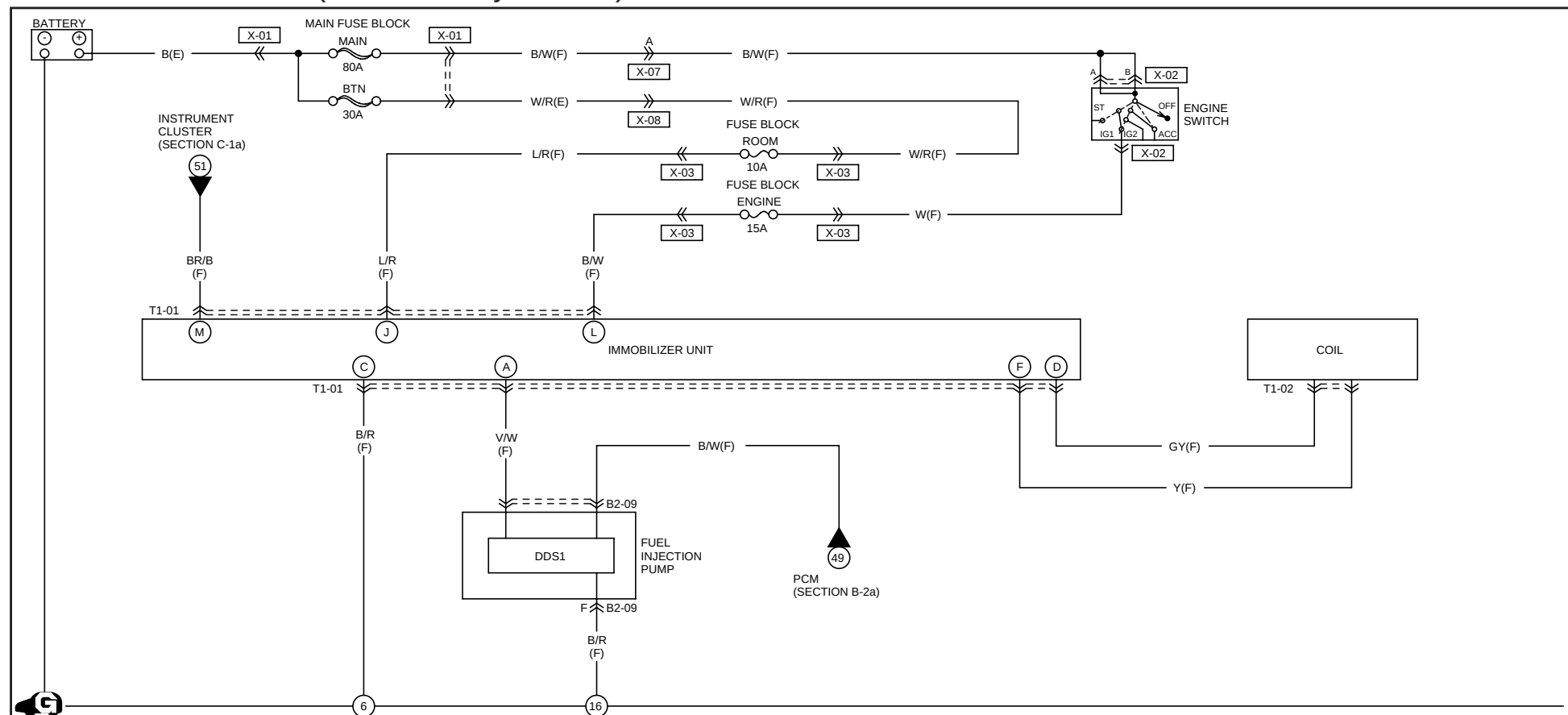
HARNESS SYMBOL :  (F)  (E)  (R)



Z-116

WIRING DIAGRAM Z

IMMOBILIZER SYSTEM (before model year 2002)



T1-01 IMMOBILIZER UNIT(F)

M	K	I	G	E	C	A
BR/B	*			*	B/R	V/W
*	B/W	L/R	*	Y	GY	*
N	L	J	H	F	D	B

T1-02 COIL(F)

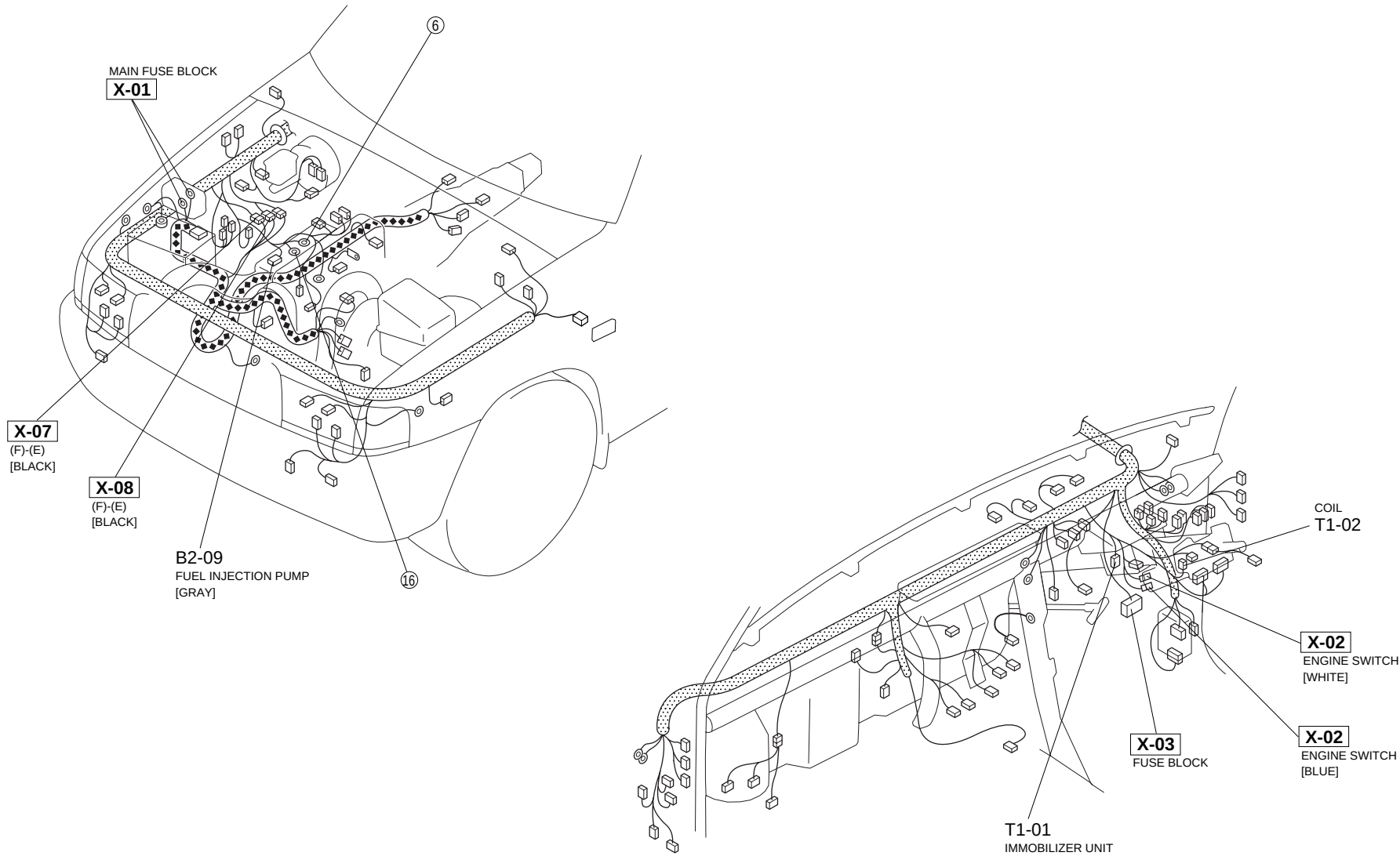
GY	*	Y
----	---	---

B2-09 FUEL INJECTION PUMP(F)

R/L	B/R	G/W	B/W
BR/W	L/B	B/R	V/W

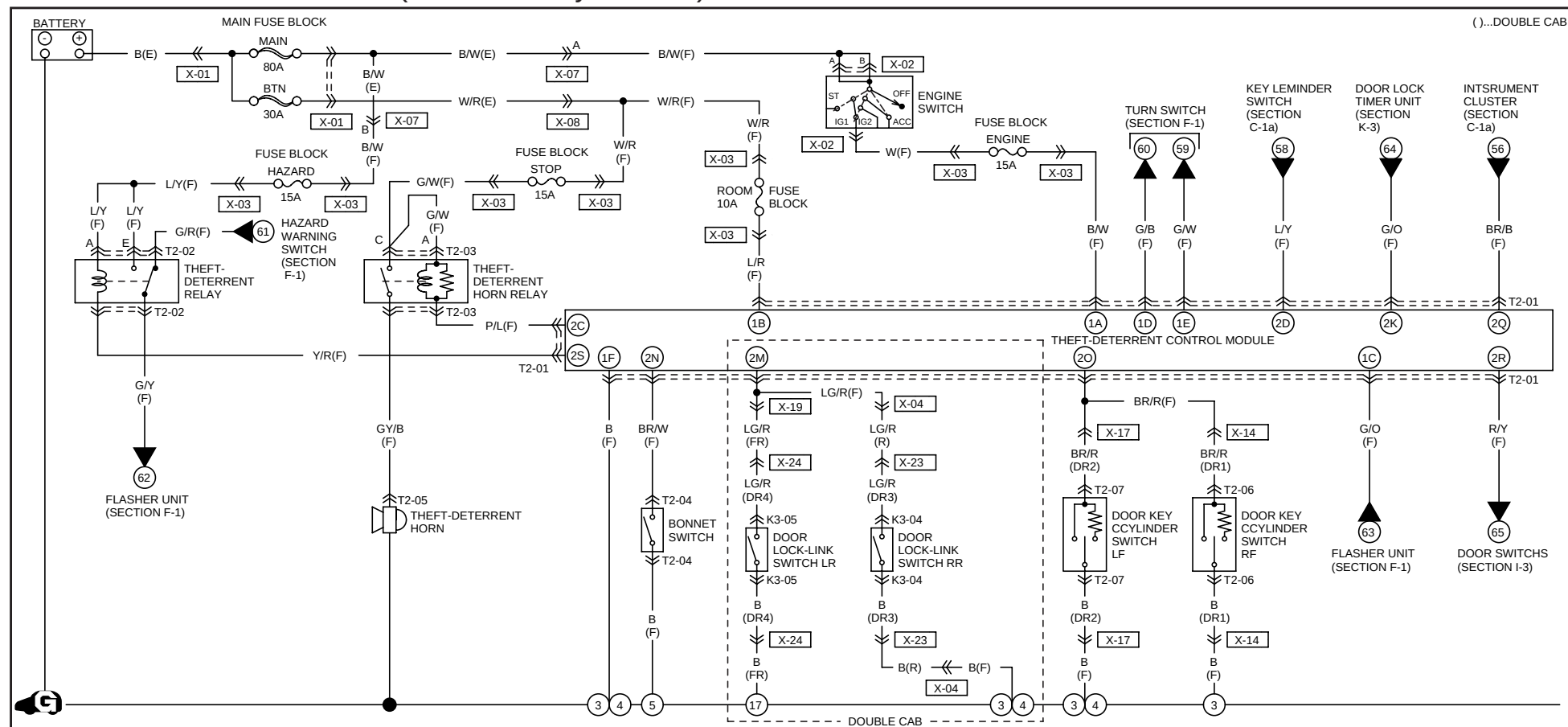
HARNESS SYMBOL :  (F)  (E)  (R)

Z-118

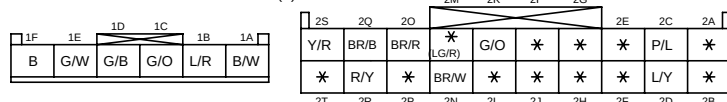


WIRING DIAGRAM Z

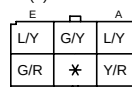
THEFT-DETERRENT SYSTEM (before model year 2002)



T2-01 THEFT-DETERRENT CONTROL MODULE(F)



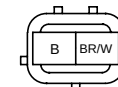
T2-02 THEFT-DETERRENT RELAY(F)



T2-03 THEFT-DETERRENT HORN RELAY(F)



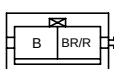
T2-04 BONNET SWITCH(F)



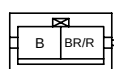
T2-05 THEFT-DETERRENT HORN(F)



T2-06 DOOR KEY CYLINDER SWITCH RF(DR1)



T2-07 DOOR KEY CYLINDER SWITCH LF(DR2)



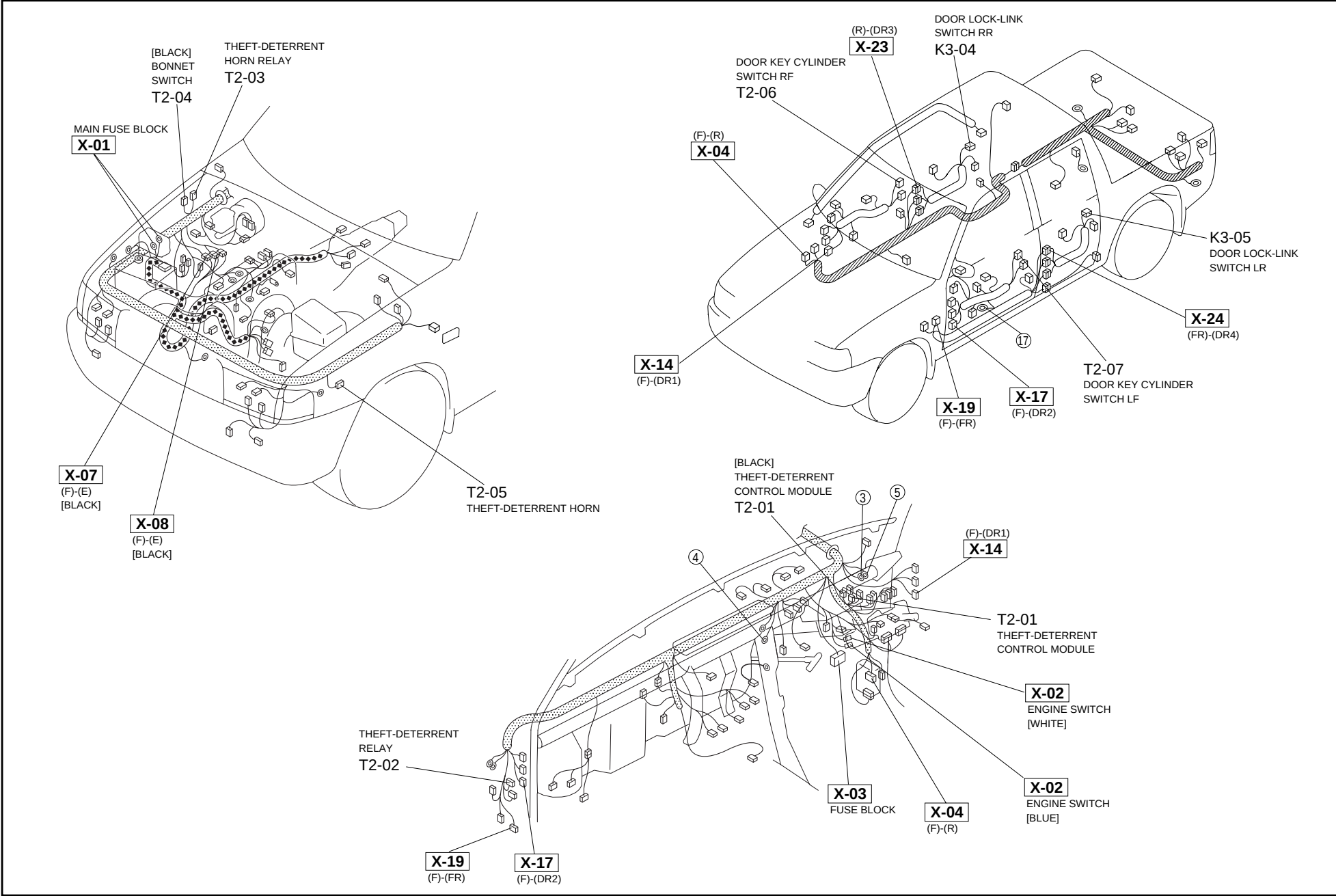
K3-04 DOOR LOCK-LINK SWITCH RR(DR3)



K3-05 DOOR LOCK-LINK SWITCH LR(DR4)



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



BATTERY

B(E)

X-01

MAIN 80A

BTN 30A

X-01

B/W(F)

W/R(E)

X-07

X-08

A

B/W(F)

W/R(F)

X-02

ENGINE SWITCH

ST

IG1

IG2

OFF

ACC

X-02

W(F)

X-03

ROOM 10A

X-03

ENGINE 15A

X-03

L/R(F)

B/W(F)

T3-01

J

L

IMMOBILIZER UNIT

C

A

K

M

H

F

D

T3-01

B/R(F)

W(F)

R(F)

BR/B(F)

P(F)

Y(F)

GY(F)

PCM (SECTION B-6b)

70

STARTER RELAY (SECTION A-3)

66

INSTRUMENT CLUSTER (SECTION C-3a)

51

KEY REMINDER SWITCH (SECTION C-3a)

73

COIL

T3-02

20

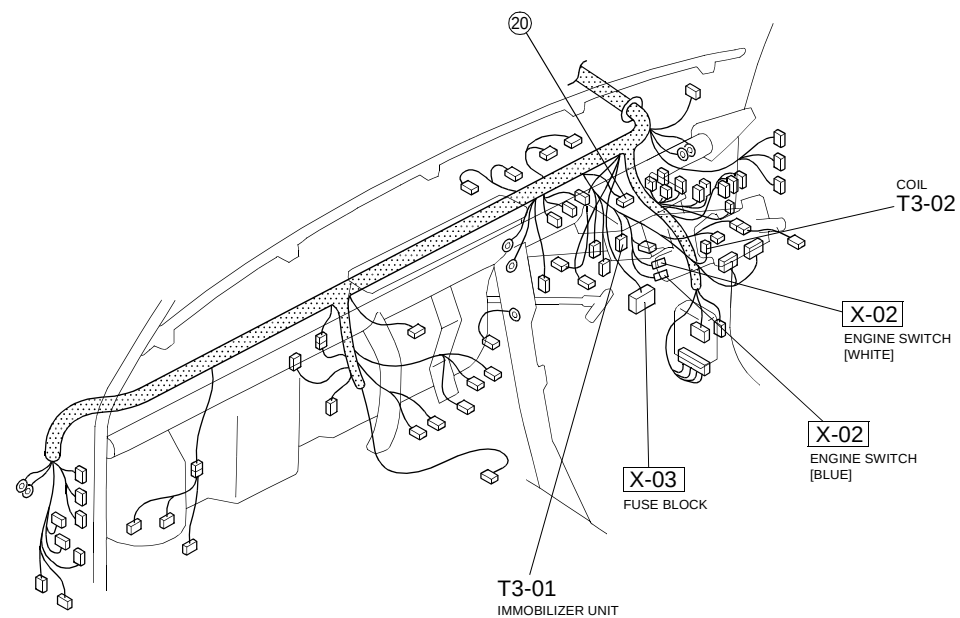
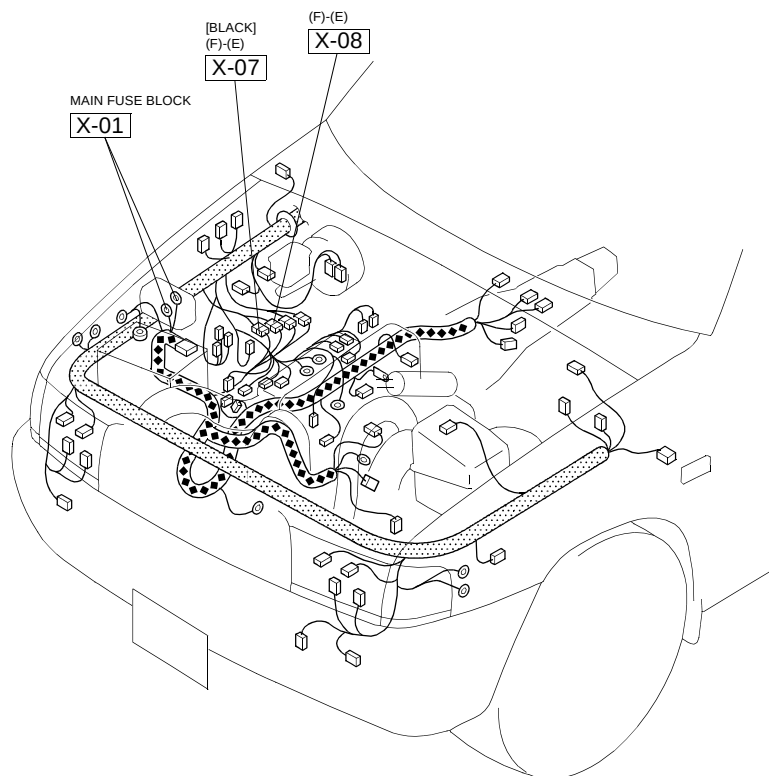
G

T3-01 IMMOBILIZER UNIT(F)								T3-02 COIL(F)		
M	K	I	G	E	C	A				
BR/B	R			*	B/R	W				
*	B/W	L/R	P	Y	GY	*	GY	*	Y	
N	L	J	H	F	D	B				

Z WIRING DIAGRAM

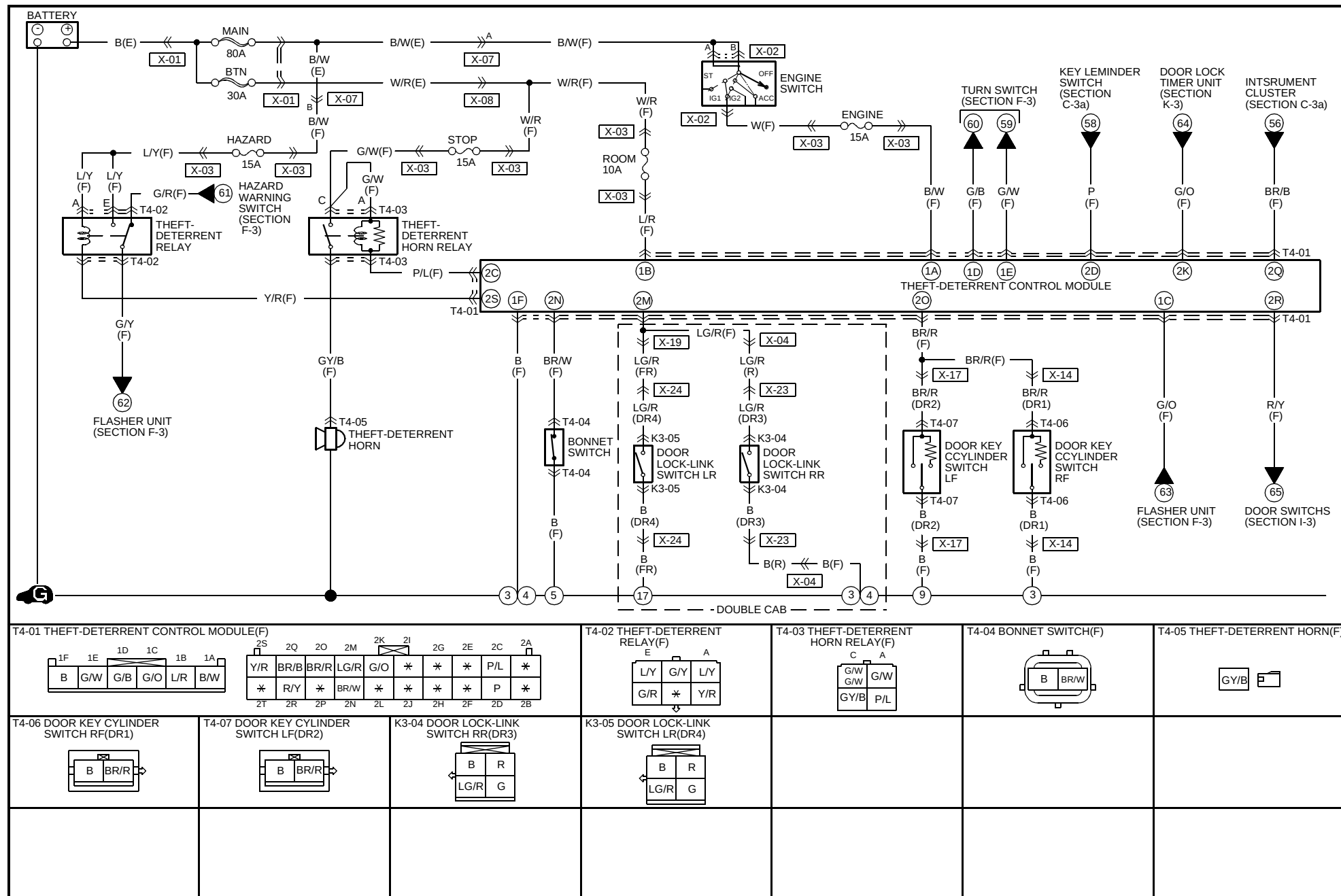
Z-121

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

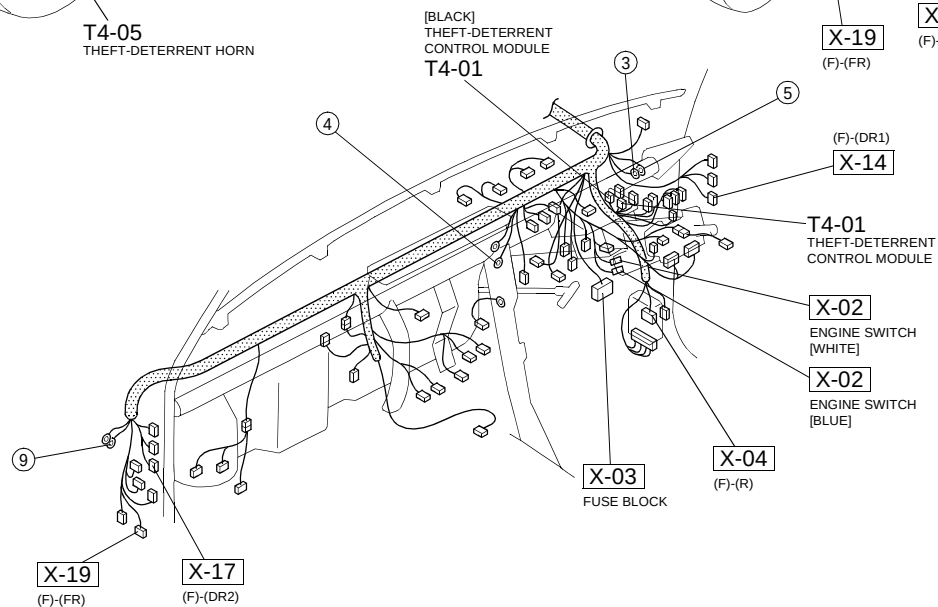
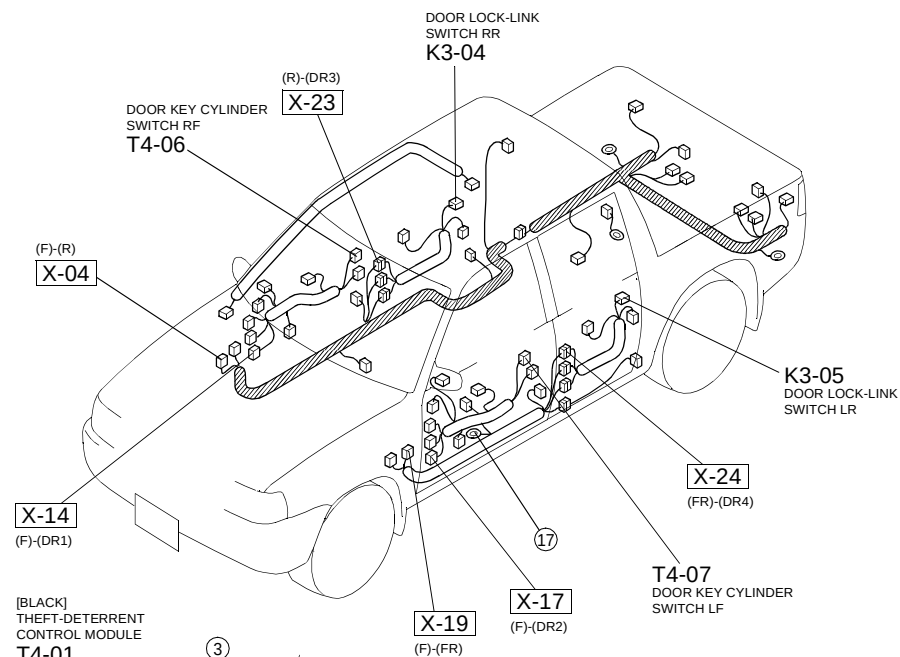
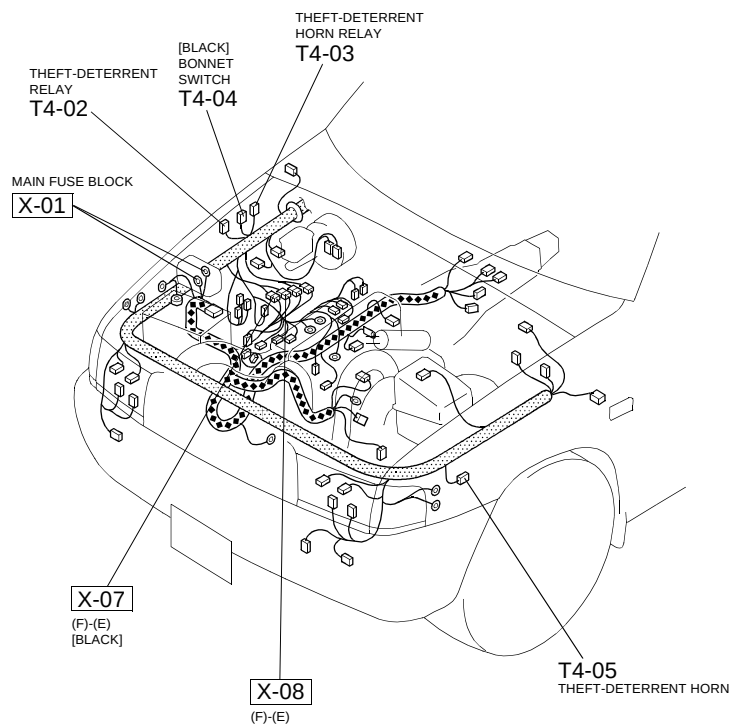


THEFT-DETERRENT SYSTEM (WL-3, WLT-3, as of model year 2002)

Z WIRING DIAGRAM



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

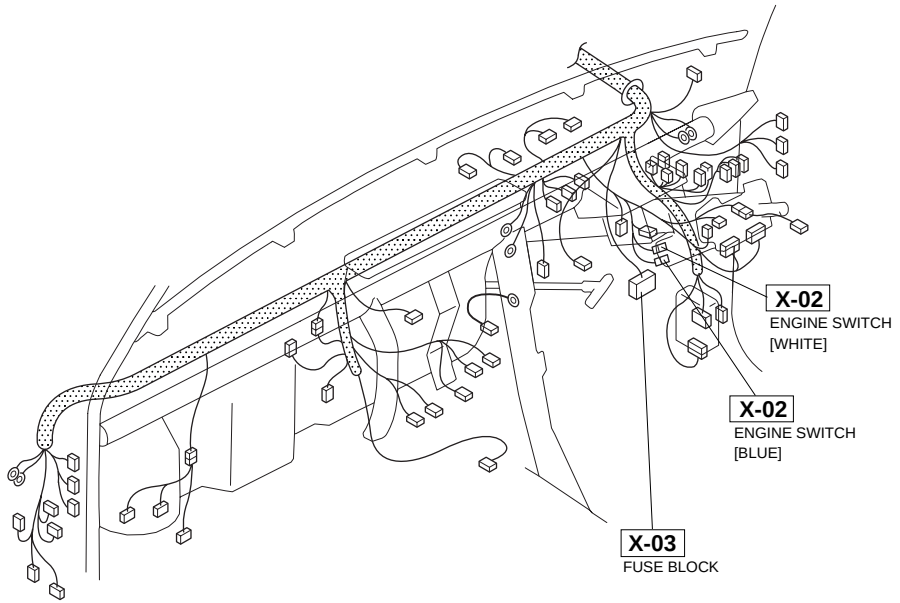
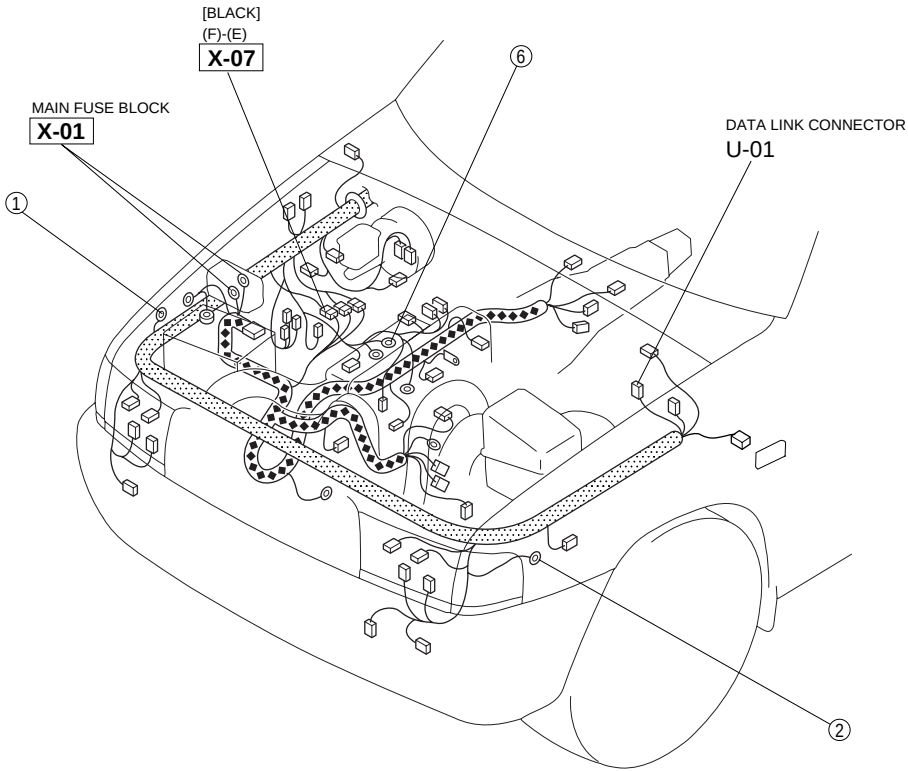


[illegible]

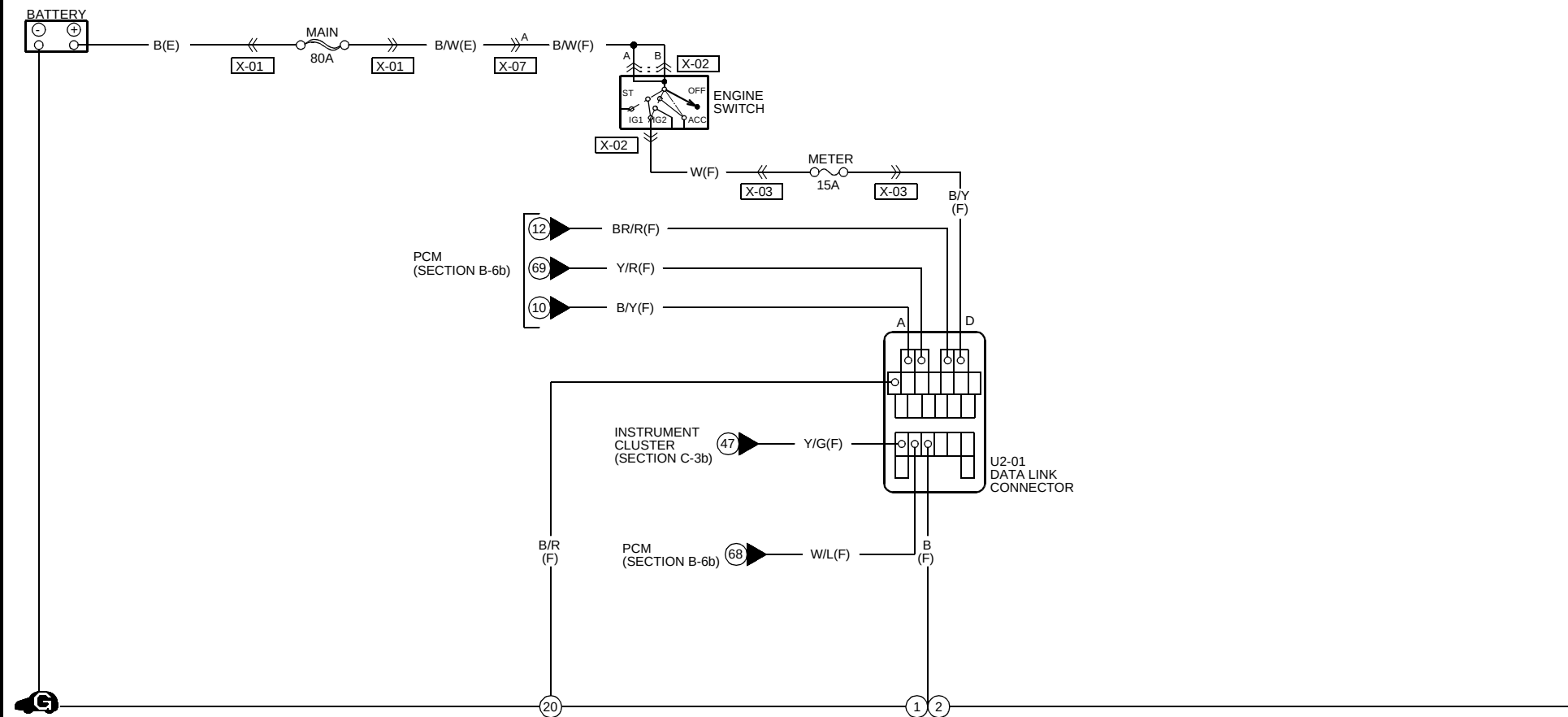
	Y/B	*			BR/R	B/Y	
B/R	*	*	*	*	*	*	*
	*	*	*	*	*	*	
	Y/G	*	B	*	*		R/G
	*						*

	Y/B	*			BR/R	B/Y	
B/R	*	*	*	*	*	*	*
	*	*	*	*	*	*	
	Y/G	*	B	*	*		R/G
	*						*

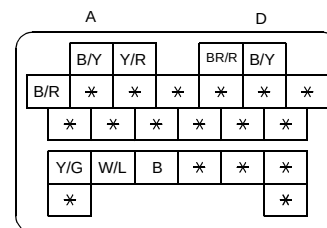
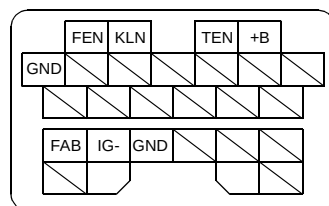
HARNESS SYMBOL :  (F)  (E)  (R)



DATA LINK CONNECTOR (WL-3, WLT-3, as of model year 2002)

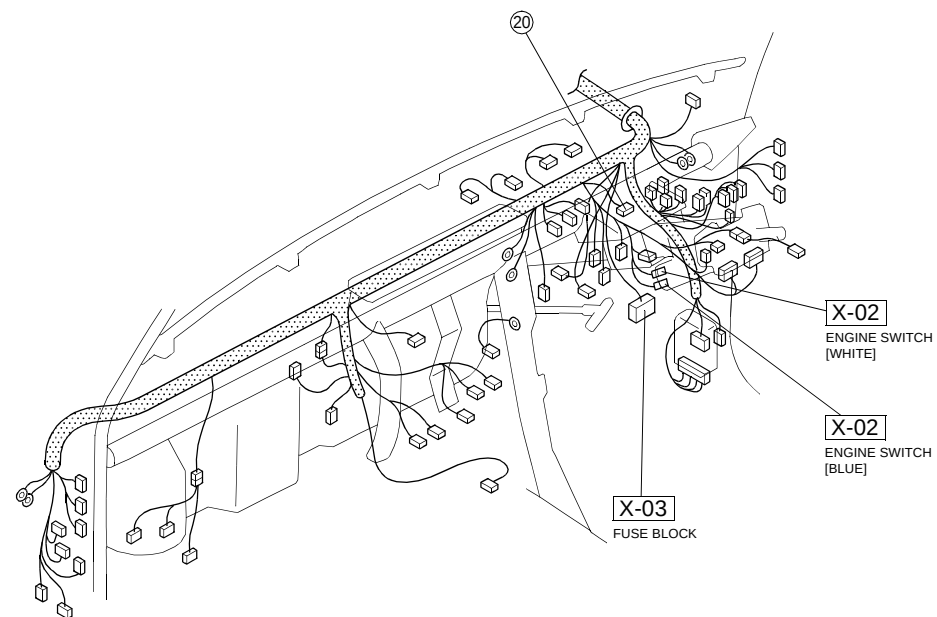
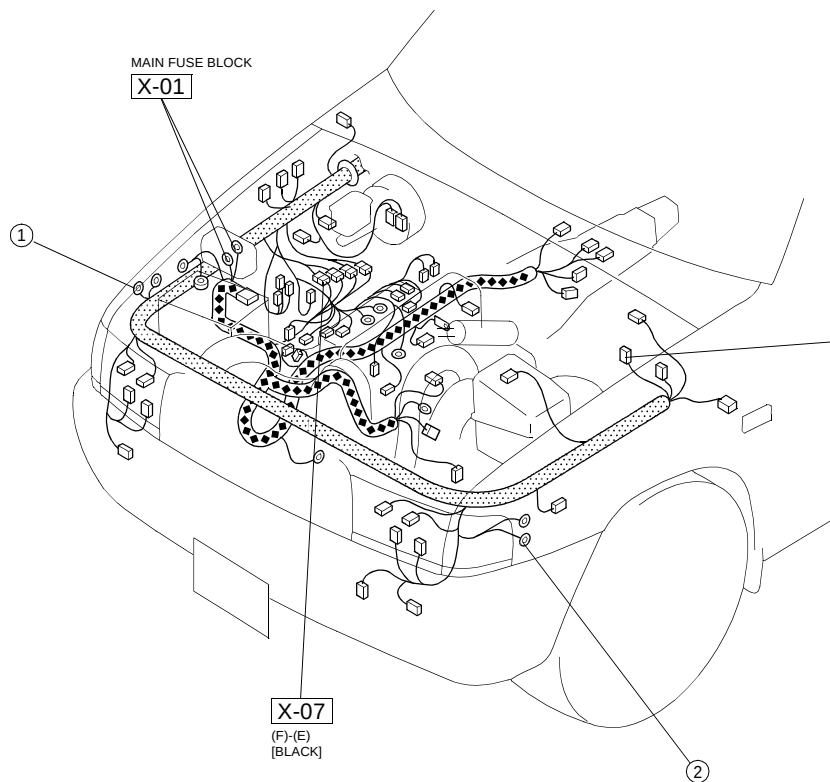


U2-01 DATA LINK CONNECTOR(F)



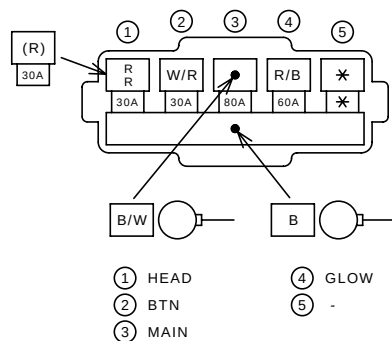
NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.

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



COMMON CONNECTOR LIST (before model year 2002)

X-01 MAIN FUSE BLOCK(E)

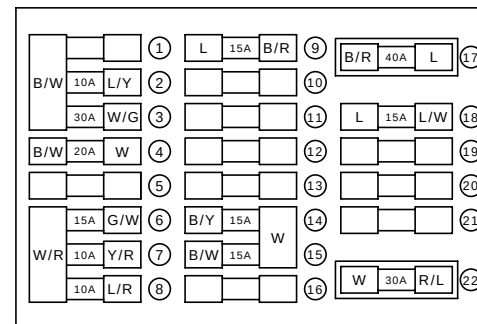
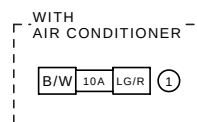


NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.

()...F2 CARB

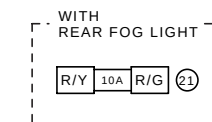
X-02 ENGINE SWITCH(F)
(WL,WL Turbo)
IGNITION SWITCH(F)
(F2 CARB)

X-03 FUSE BLOCK(F)



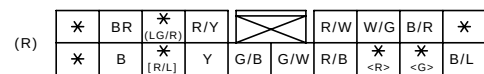
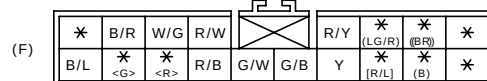
NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.

- 1 (A/C)
2 HAZARD
3 (D/L)
4 R.DEF
5 -
6 STOP
7 TAIL
8 ROOM
9 WIPER
10 -
11 -
12 -
13 -
14 METER
15 ENGINE
16 -
17 (HEATER)
18 CIGAR
19 -
20 -
21 R.FOG
22 (P.WIND)

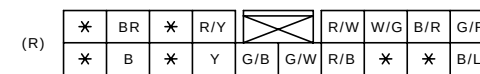
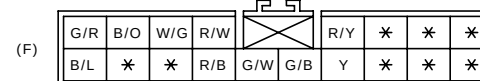


X-04 FRONT(F)-REAR(R)

WL,WL Turbo

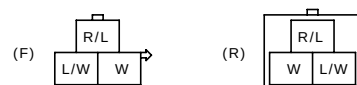


F2 CARB



()...WITH THEFT-DETERRENT SYSTEM (())...NOT USED < >...DOUBLE CAB []...U.K. SPECS.

X-06 FRONT(F)-REAR(R)



X-07 FRONT(F)-ENGINE(E)



X-08 FRONT(F)-ENGINE(E)



()...F2 CARB

COMMON CONNECTOR LIST (before model year 2002)

X-09 FRONT(F)-ENGINE(E)			X-11 FRONT(F)-INTERIOR LIGHT(IN)	X-12 FRONT(F)-DOOR NO.1(DR1)	X-13 FRONT(F)-DOOR NO.1(DR1)		
WL,WL-T.WITHOUT RFW (F) Y/R W/B B/Y W B/R * (R/G) L/W L G/R * <GY/R> WL,WL-T.WITH RFW (F) Y/R R/G W/B B/Y W B/R * LG/B L/W L G/R GY/R F2 CARB (F) B/W B/L W/B B/Y B B/W Y/B L/W L * (E) B/R W B/Y W/B Y/R <GY/R> G/R L L/W * (R/G) (E) B/R W B/Y W/B R/G Y/R GY/R G/R L L/W LG/B * (E) B/O B/Y W/B B/L B/W * L L/W Y/B B/W ()...WITH AIR CONDITIONER < >...4X4			(F) R/Y L/R (IN) R/Y L/R	(F) L/Y L/R (DR1) L/Y L/R	(F) R/L BR/B LG/B BR (DR1) BR/B * R/L BR LG/B ()...WITH POWER WINDOWS	X-14 FRONT(F)-DOOR NO.1(DR1)	X-15 FRONT(F)-DOOR NO.2(DR2)
			(F) C * BR/R * <G/Y> B * <L/W> * <W/R> R/W G/W G/O G/R * <W> (DR1) K * <L/W> G/Y * <W> K * G/Y B * <G/Y> C * <G/Y> * <W/R> * BR/R ()...WITH POWER WINDOWS []...U.K. SPECS. < >...DOUBLE CAB WITH POWER WINDOWS	(F) L/W L (DR2) L/W L			
X-16 FRONT(F)-DOOR NO.2(DR2)	X-17 FRONT(F)-DOOR NO.2(DR2)	X-18 REAR(R)-REAR NO.2(R2)		X-19 FRONT(F)-FLOOR(FR)			
(F) R/L BR/Y L/B BR (DR2) BR/Y * (R/L) BR L/B ()...WITH POWER WINDOWS	(F) * BR/R * [B] R/W G/W R G (DR2) * [B] * BR/R G R * (G/W) * (R/W) []...U.K. SPECS. ()...WITH POWER WINDOWS	(R) * (R/L) * G/B B/R W/G R/B R/W G/W Y (R2) * <G/R> * G/B Y G/W R/W R/B W/G B/R ()...U.K. SPECS. < >...F2 CARB	(F) * * <R> * * <G> * <R> * <G> ((R/Y)) * * LG/R * <R> * <G> (FR) * * * * * LG/R * <R> * <G> * R/Y * <R> * <G> (())...WITH DOOR SWITCH []...U.K. SPECS. < >...DOUBLE CAB				
X-20 FRONT(F)-FLOOR(FR)	X-21 REAR(R)-DOOR NO.3(DR3)	X-22 FLOOR(FR)-DOOR NO.4(DR4)	X-23 REAR(R)-DOOR No.3(DR3)	X-24 FLOOR(FR)-DOOR No.4(DR4)			
(F) G/Y W/R R/L (FR) G/Y R/L W/R	DOUBLE CAB (R) R L/W G W R/L (DR3) L/W R W G R/L	DOUBLE CAB (FR) R G/Y G W/R R/L (DR4) L/W R W G R/L	(R) B LG/R (DR3) LG/R B (FR) B LG/R (DR4) LG/R B				

(F)

L/Y
L/R

(DR1)

L/Y
L/R

(F)

R/L	BR/B
LG/B	BR

(DR1)

BR/B	* (R/L)
BR	LG/B

COMMON CONNECTOR LIST (WL-3, WLT-3, as of model year 2002)

X-01 MAIN FUSE BLOCK(E) ① HEAD ④ GLOW ② BTN ⑤ - ③ MAIN NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.	X-02 ENGINE SWITCH(F) W B/Y L B/R	X-03 FUSE BLOCK(F) NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE. ① A/C ② HAZARD ③ D/L ④ R.DEF ⑤ FIP ⑥ STOP ⑦ TAIL ⑧ ROOM ⑨ WIPER ⑩ - ⑪ - ⑫ - ⑬ - ⑭ METER ⑮ ENGINE ⑯ - ⑰ HEATER ⑱ CIGAR ⑲ - ⑳ - ㉑ R.FOG ㉒ P.WIND																																							
X-04 FRONT(F)-REAR(R) (F) <table><tr><td>*</td><td>B/R</td><td>W/G</td><td>R/W</td><td></td><td>R/Y</td><td>LG/R</td><td>*</td><td>*</td></tr><tr><td>B/L</td><td>G</td><td>R</td><td>R/B</td><td>G/W</td><td>G/B</td><td>Y</td><td>R/L</td><td>B</td><td>*</td></tr></table> (R) <table><tr><td>*</td><td>(B/R)</td><td>* <LG/R></td><td>R/Y</td><td></td><td>R/W</td><td>W/G</td><td>B/R</td><td>(G/R)</td></tr><tr><td>*</td><td>B</td><td>R/L</td><td>Y</td><td>G/B</td><td>G/W</td><td>R/B</td><td>* <R></td><td>* <G></td><td>B/L</td></tr></table> ()...NOT USED < >...DOUBLE CAB	*	B/R	W/G	R/W		R/Y	LG/R	*	*	B/L	G	R	R/B	G/W	G/B	Y	R/L	B	*	*	(B/R)	* <LG/R>	R/Y		R/W	W/G	B/R	(G/R)	*	B	R/L	Y	G/B	G/W	R/B	* <R>	* <G>	B/L	X-06 FRONT(F)-REAR(R) (F) (R)	X-07 FRONT(F)-ENGINE(E) (F) (E)	X-08 FRONT(F)-ENGINE(E) (F) (E)
*	B/R	W/G	R/W		R/Y	LG/R	*	*																																	
B/L	G	R	R/B	G/W	G/B	Y	R/L	B	*																																
*	(B/R)	* <LG/R>	R/Y		R/W	W/G	B/R	(G/R)																																	
*	B	R/L	Y	G/B	G/W	R/B	* <R>	* <G>	B/L																																
X-09 FRONT(F)-ENGINE(E) (F) (E)	X-10 FRONT(F)-ENGINE(E) (F) (E)	X-14 FRONT(F)-DOOR NO.1(DR1) (F) <table><tr><td colspan="3">C</td><td colspan="3">K</td></tr><tr><td>BR/R</td><td>G/Y</td><td>B</td><td></td><td>G/Y</td><td>L/W</td></tr><tr><td>*</td><td>* <W/R></td><td>R/W</td><td>G/W</td><td>G/O</td><td>G/R</td><td>W</td></tr></table> (DR1) <table><tr><td colspan="3">K</td><td colspan="3">C</td></tr><tr><td>* <G/Y/R></td><td>G/Y</td><td></td><td>B</td><td>* <G/Y></td><td>BR/R</td></tr><tr><td>* <W></td><td>G/R</td><td>G/O</td><td>G/W</td><td>R/W</td><td>* <W/R></td></tr></table> < >...DOUBLE CAB	C			K			BR/R	G/Y	B		G/Y	L/W	*	* <W/R>	R/W	G/W	G/O	G/R	W	K			C			* <G/Y/R>	G/Y		B	* <G/Y>	BR/R	* <W>	G/R	G/O	G/W	R/W	* <W/R>		
C			K																																						
BR/R	G/Y	B		G/Y	L/W																																				
*	* <W/R>	R/W	G/W	G/O	G/R	W																																			
K			C																																						
* <G/Y/R>	G/Y		B	* <G/Y>	BR/R																																				
* <W>	G/R	G/O	G/W	R/W	* <W/R>																																				

COMMON CONNECTOR LIST (WL-3, WLT-3, as of model year 2002)

X-17 FRONT(F)-DOOR NO.2(DR2) (F) <table><tr><td>BR/R</td><td></td><td>B</td></tr><tr><td>R/W</td><td>G/W</td><td>R</td></tr><tr><td></td><td></td><td>G</td></tr></table> (DR2) <table><tr><td>B</td><td></td><td>BR/R</td></tr><tr><td>G</td><td>R</td><td>G/W</td></tr><tr><td></td><td></td><td>R/W</td></tr></table>	BR/R		B	R/W	G/W	R			G	B		BR/R	G	R	G/W			R/W	X-18 REAR(R)-REAR NO.2(R2) (R) <table><tr><td>*</td><td>R/L</td><td></td><td>G/B</td><td>(G/R)</td></tr><tr><td>B/R</td><td>W/G</td><td>R/B</td><td>R/W</td><td>G/W</td></tr><tr><td></td><td></td><td></td><td></td><td>Y</td></tr></table> (R2) <table><tr><td>*</td><td>G/B</td><td></td><td>R/L</td><td>*</td></tr><tr><td>Y</td><td>G/W</td><td>R/W</td><td>R/B</td><td>W/G</td></tr><tr><td></td><td></td><td></td><td></td><td>B/R</td></tr></table> ()...NOT USED	*	R/L		G/B	(G/R)	B/R	W/G	R/B	R/W	G/W					Y	*	G/B		R/L	*	Y	G/W	R/W	R/B	W/G					B/R	X-19 FRONT(F)-FLOOR(FR) (F) <table><tr><td>*</td><td>*</td><td>R</td><td>*</td><td></td><td>*</td><td>*</td><td>*</td><td>*</td></tr><tr><td>*</td><td>*</td><td>G</td><td>*</td><td>R/Y</td><td>*</td><td>(LG/R)</td><td>*</td><td>*</td></tr></table> (FR) <table><tr><td>*</td><td>*</td><td>*</td><td>*</td><td></td><td>*</td><td>(R)</td><td>*</td><td>*</td></tr><tr><td>*</td><td>*</td><td>*</td><td>(LG/R)</td><td>*</td><td>R/Y</td><td>*</td><td>(G)</td><td>*</td></tr></table> ()...DOUBLE CAB	*	*	R	*		*	*	*	*	*	*	G	*	R/Y	*	(LG/R)	*	*	*	*	*	*		*	(R)	*	*	*	*	*	(LG/R)	*	R/Y	*	(G)	*
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X-23 REAR(R)-DOOR No.3(DR3) (R) <table><tr><td></td></tr><tr><td>B</td></tr><tr><td>LG/R</td></tr></table> (DR3) <table><tr><td></td></tr><tr><td>LG/R</td></tr><tr><td>B</td></tr></table>		B	LG/R		LG/R	B	X-24 FLOOR(FR)-DOOR No.4(DR4) (FR) <table><tr><td></td></tr><tr><td>B</td></tr><tr><td>LG/R</td></tr></table> (DR4) <table><tr><td></td></tr><tr><td>LG/R</td></tr><tr><td>B</td></tr></table>		B	LG/R		LG/R	B																																																																									
																																																																																						
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