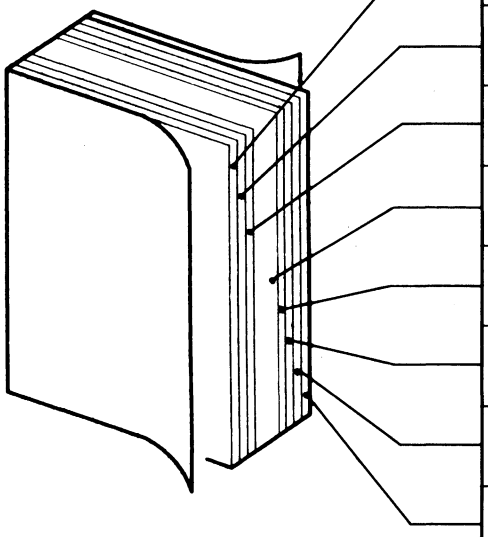
Contents of wiring diagrams

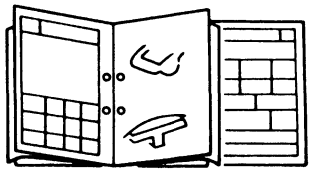
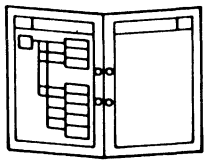
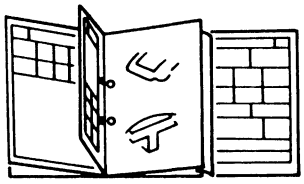
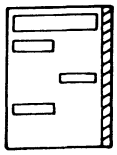
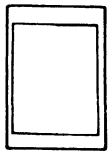
- This document comprises the 8 groups shown below. The main components are summarized in the components location diagram at the end of the document.



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	**Electrical wiring schematics**	Shows main fuses and other fuses for each system
A~U	**Circuit diagrams for individual systems**	Shows circuit and connector diagrams and component and connector location diagrams
X	**Common connectors**	Shows connectors common throughout system
JB	**Joint box complete wiring system**	Shows internal circuits and connectors
PL	**Parts location**	Shows location of major electrical parts
PI	**Index**	Gives page number of circuit diagram for each component

Using wiring diagrams

- The use of the wiring diagram depends on its application.

Application	Use	Application	Use
For checking circuits of individual systems	 Open to page with circuit diagram and harness routing to be used and fold out common connector diagram or joint box diagram.	For checking fuse connections	 Open to electrical wiring schematic.
For checking ground circuit of individual systems	 Open to page with ground point diagram and fold out common connector diagram or joint box diagram.	For finding page numbers of systems and components	Parts Index  or System Index  Open to parts index or system index.

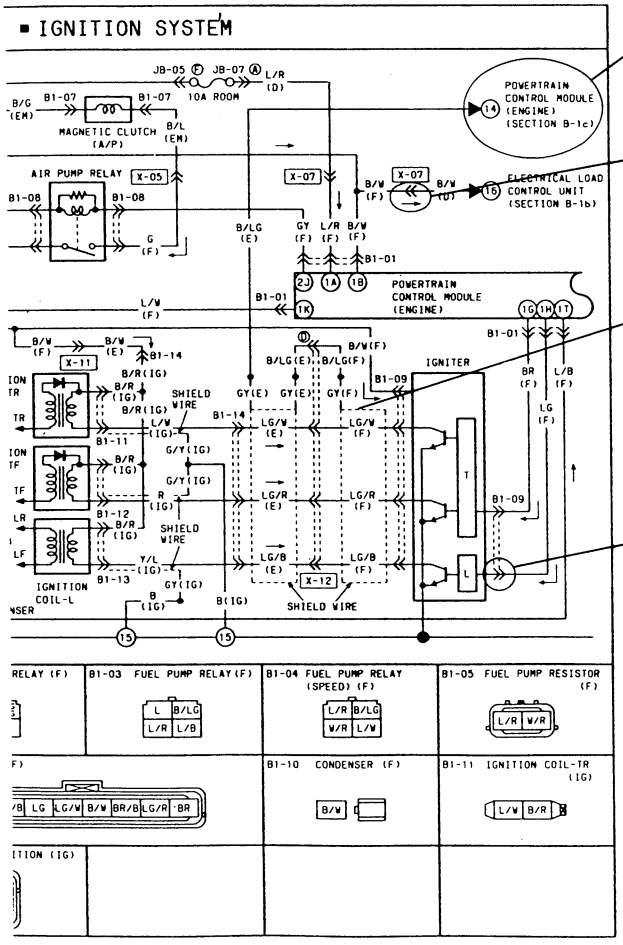
The number indicates that the circuit continues to the related system diagram.

Current symbol

Current flows in the direction of the arrow.

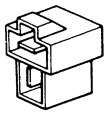
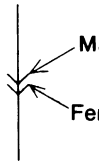
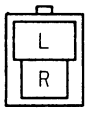
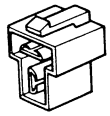
Indicates shielded wire.*

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



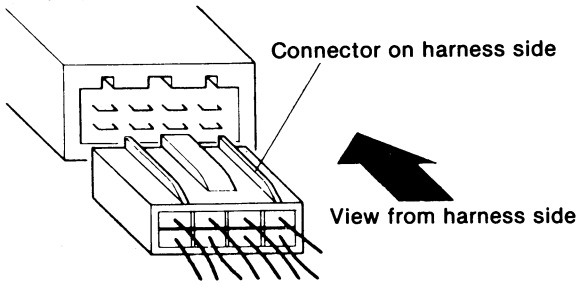
Connector symbols

- 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)



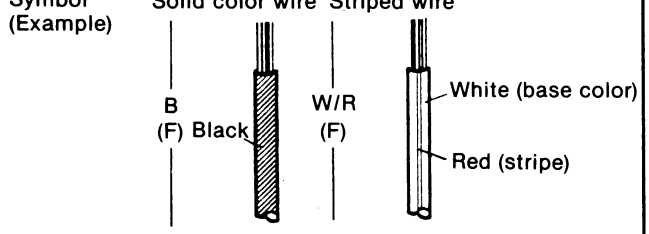
- Colors for connectors except milk-white are given in locations.
- Unused terminals are indicated by * .

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.

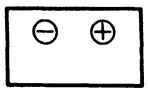
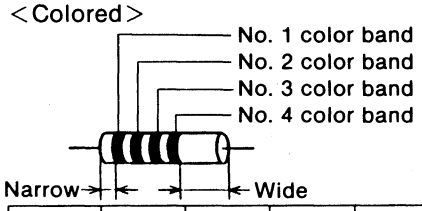
For example:

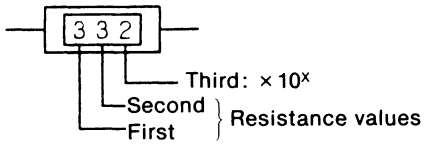
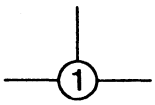
W/R is a white wire with a red strip
BR/Y is a brown wire with a yellow strip

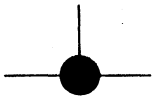


- The harness symbol is in ( ) following the harness symbols (refer to GI-7.).

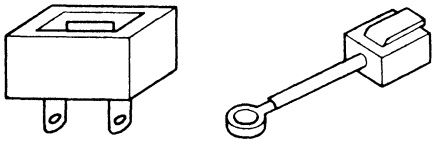
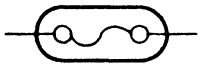
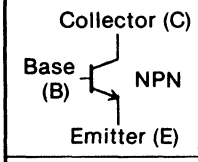
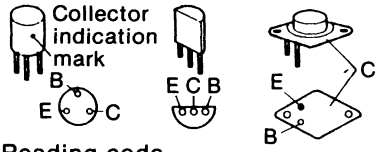
Symbols

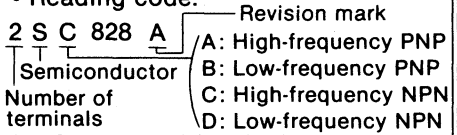
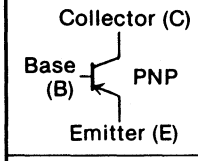
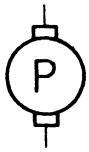
<table>
<tr><th>Symbol</th><th>Meaning</th><th>Symbol</th><th>Meaning</th></tr>
<tr><td>Battery
  </td><td>• Generates electricity through chemical reaction.
• Supplies direct current to circuits.</td><td rowspan="5">Resistance
  </td><td rowspan="5">• A resistor with a constant value.
• Mainly used to protect electrical components in circuits by maintaining rated voltage.
• Reading resistance values.
<Colored>
 

<table><tr><th rowspan="2">Color</th><th>No. 1</th><th>No. 2</th><th>No. 3</th><th>No. 4</th></tr><tr><th colspan="2">Resistance values</th><th>Multiplier</th><th>Tolerance</th></tr><tr><td>Black</td><td>0</td><td>0</td><td>$\times 10^0$</td><td></td></tr><tr><td>Brown</td><td>1</td><td>1</td><td>$\times 10^1$</td><td></td></tr><tr><td>Red</td><td>2</td><td>2</td><td>$\times 10^2$</td><td></td></tr><tr><td>Orange</td><td>3</td><td>3</td><td>$\times 10^3$</td><td></td></tr><tr><td>Yellow</td><td>4</td><td>4</td><td>$\times 10^4$</td><td></td></tr><tr><td>Green</td><td>5</td><td>5</td><td>$\times 10^5$</td><td></td></tr><tr><td>Blue</td><td>6</td><td>6</td><td>$\times 10^6$</td><td></td></tr><tr><td>Purple</td><td>7</td><td>7</td><td>$\times 10^7$</td><td></td></tr><tr><td>Grey</td><td>8</td><td>8</td><td>$\times 10^8$</td><td></td></tr><tr><td>White</td><td>9</td><td>9</td><td>$\times 10^9$</td><td></td></tr><tr><td>Gold</td><td></td><td></td><td>$\times 10^{-1}$</td><td>±5%</td></tr><tr><td>Silver</td><td></td><td></td><td>$\times 10^{-2}$</td><td>±10%</td></tr><tr><td>—</td><td></td><td></td><td></td><td>±20%</td></tr></table>
<Numerical>
 
</td></tr>
<tr><td>Ground (1)
  </td><td rowspan="2">• 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.

Remarks
• Current will not flow through a circuit if ground is faulty.</td></tr>
<tr><td>Ground (2)
  </td></tr>
<tr><td>Fuse (1)
 
(box)</td><td rowspan="3">• Melts when current flow exceeds that specified for circuit, interrupts current flow.

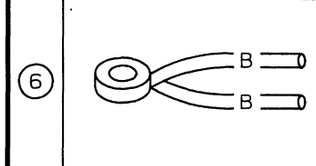
Precautions
• Do not replace with fuses exceeding specified capacity.
<Blade type> <Tube type>
 

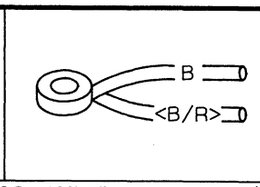
<Cartridge type> <Fusible link>
  </td></tr>
<tr><td>Fuse (2)
 
(Cartridge)</td></tr>
<tr><td>Main fuse/
Fusible link
  </td></tr>
<tr><td>Transistor (1)
 
</td><td>• Electrical switching component.
• Turns on when voltage is applied to the base (B).
 

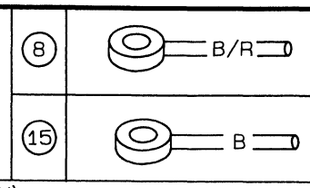
• Reading code.
 
</td><td>Motor
 
</td><td>• Converts electrical energy into mechanical energy.</td></tr>
<tr><td>Transistor (2)
 
</td><td></td><td>Pump
 
</td><td>• Pulls in and discharges gases and liquids.</td></tr>
<tr><td>Lamp
 
</td><td>• Emits light and generates heat when current flows through filament.</td><td>Cigarette lighter
  </td><td>• Electrical coil that generates heat.</td></tr>
</table>

Y-1 KL ■ GROUND POINTS

< > WITH SOLAR VENTILATION
(( )) WITH ABS







JC-01 JOINT CONNECTOR (F1)

*	B	B	B B	*

JC-02 JOINT CONNECTOR (F1)

B	B	B	B	B

JC-03 JOINT CONNECTOR (F2)

B	B	B	B	B

JC-04 JOINT CONNECTOR (EM)

B	L/Y	B/R	B/R	B

JC-05 JOINT CONNECTOR (EM)

B/R B	B B	B/R B/R	B	B/R B

JC-06 JOINT CONNECTOR (EM)

*	*	*	B/R	GY	GY	B/R
*	*	*	GY	GY	GY	GY

JC-07 JOINT CONNECTOR (I)

B/Y	B/Y	B	B
B/Y	B/Y	B	B

JC-08 JOINT CONNECTOR (D)

B	* (B B)	B B	* ((B))	* ((B))

JC-09 JOINT CONNECTOR (D)

B	B	B	B	B

JC-10 JOINT CONNECTOR (D)

*	*	*	B

JC-11 JOINT CONNECTOR (D)

*	*	B	B

JC-12 JOINT CONNECTOR (R1)

B	B	B	B	B/W

JC-13 JOINT CONNECTOR (R1)

B	B	* <B/W>	*	B

JC-16 JOINT CONNECTOR (FR)

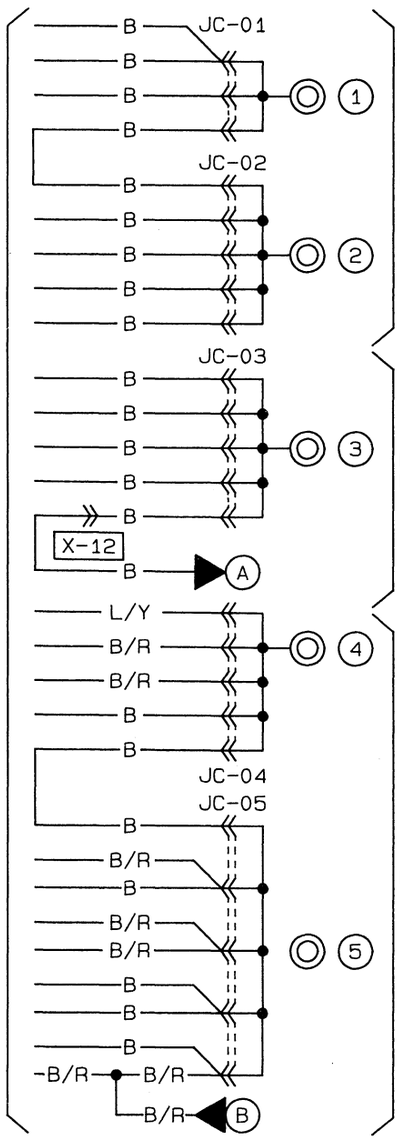
*	B/O	B/O
*	B/O	B/O

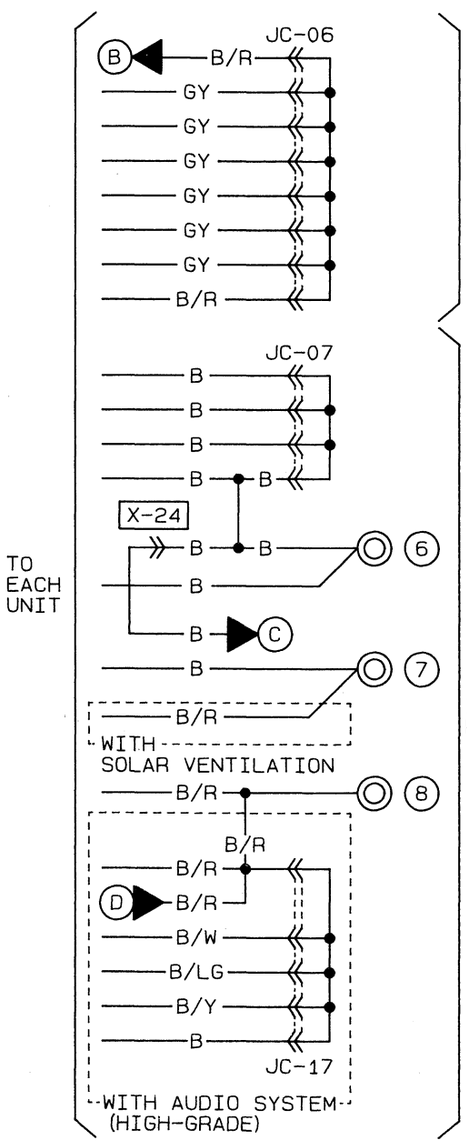
WITH AUDIO SYSTEM (HIGH-GRADE)

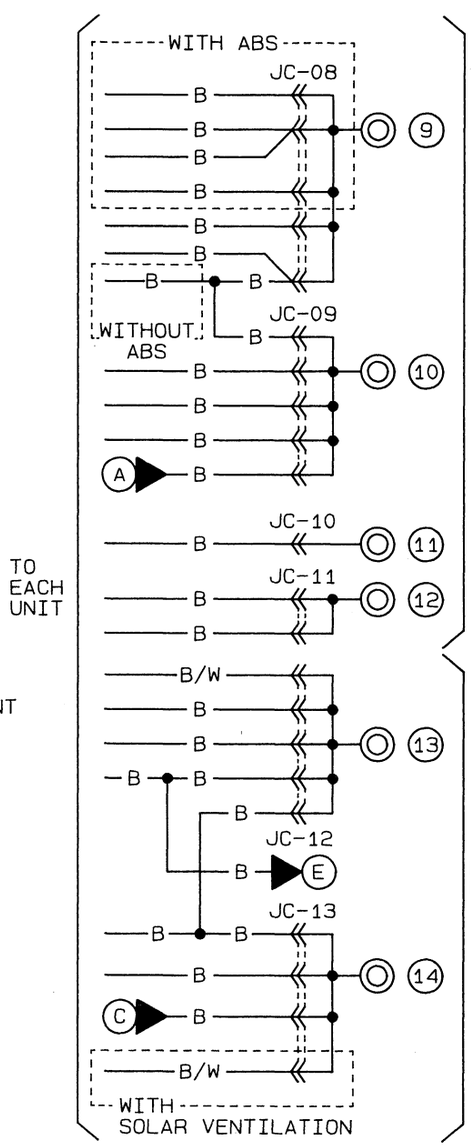
JC-17 JOINT CONNECTOR (I)

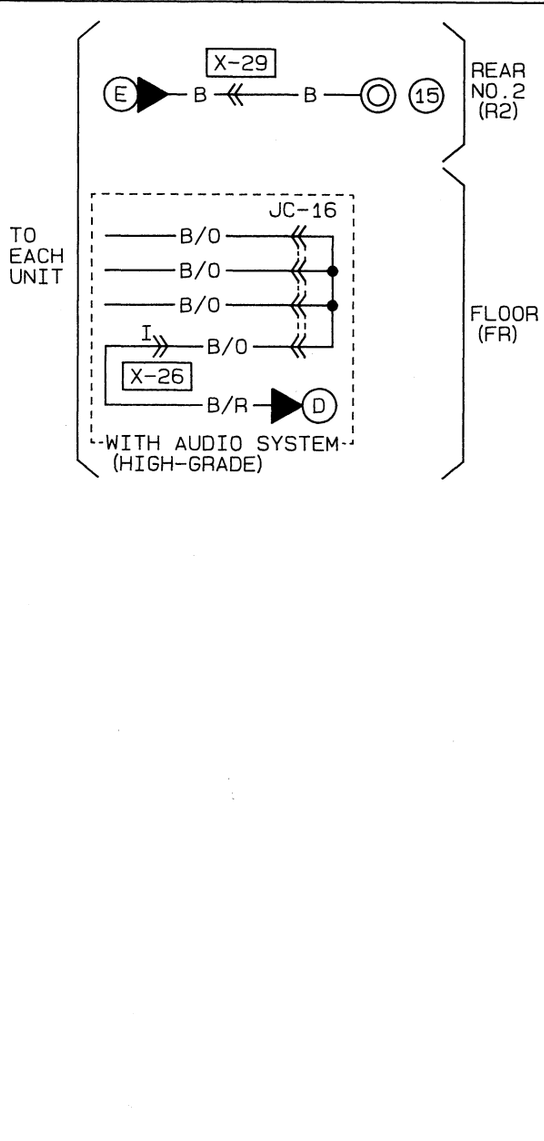
B/R	B/LG	*
B/W	B/Y	B

WITH AUDIO SYSTEM (HIGH-GRADE)



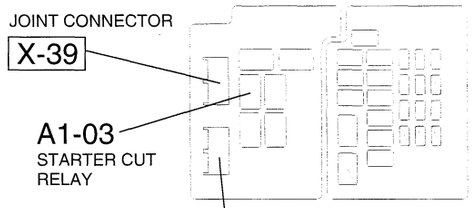


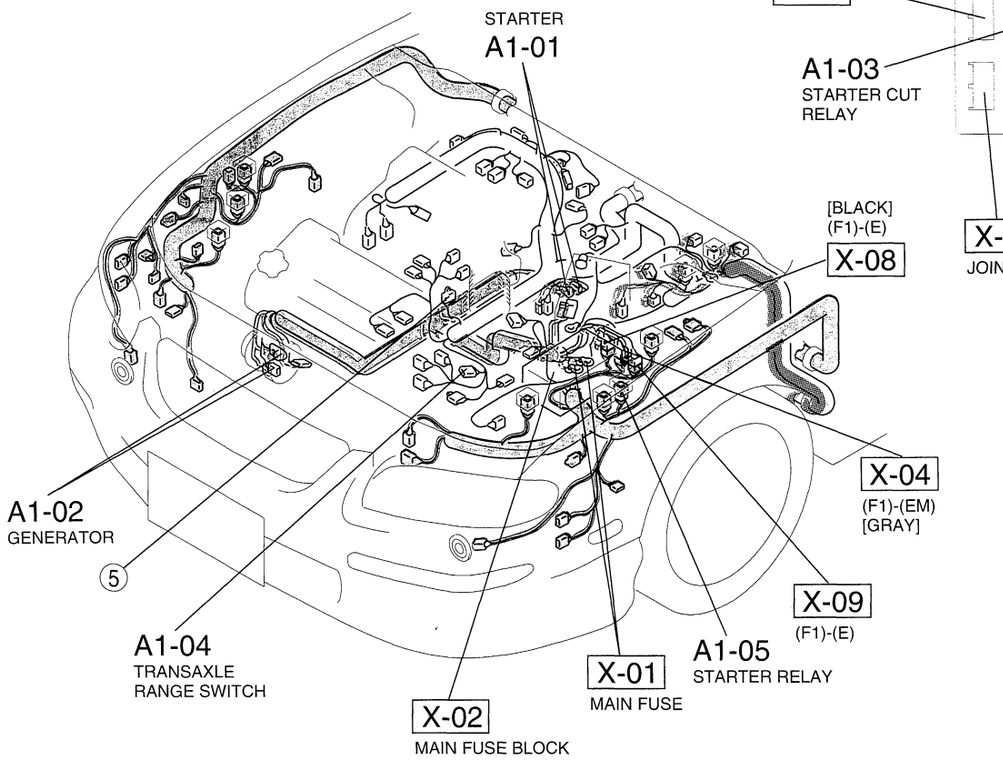


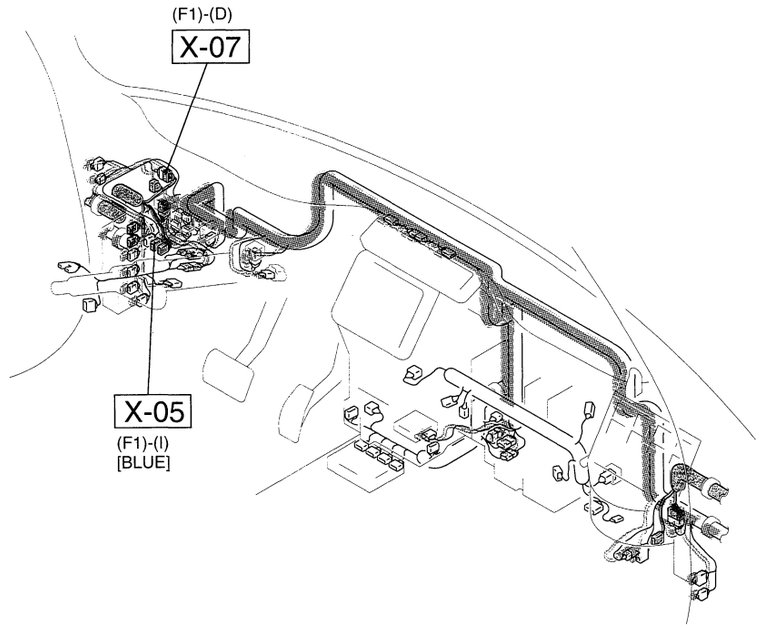


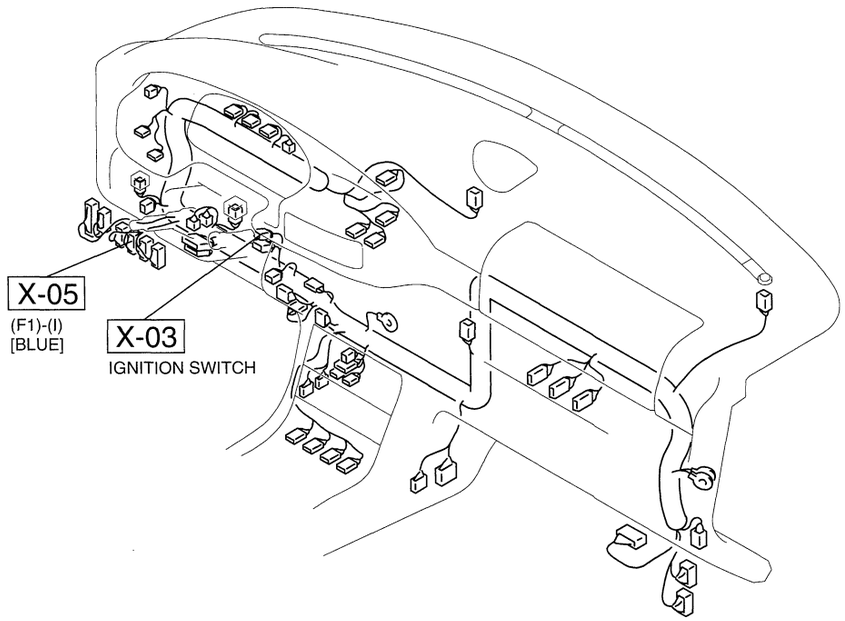
A-1

MAIN FUSE BLOCK

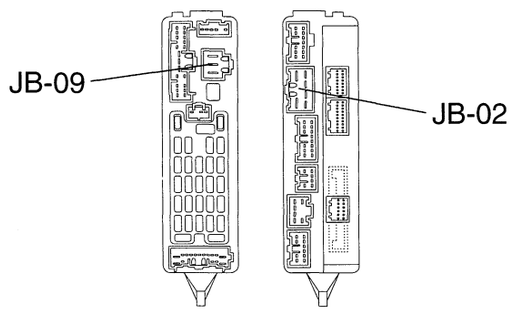




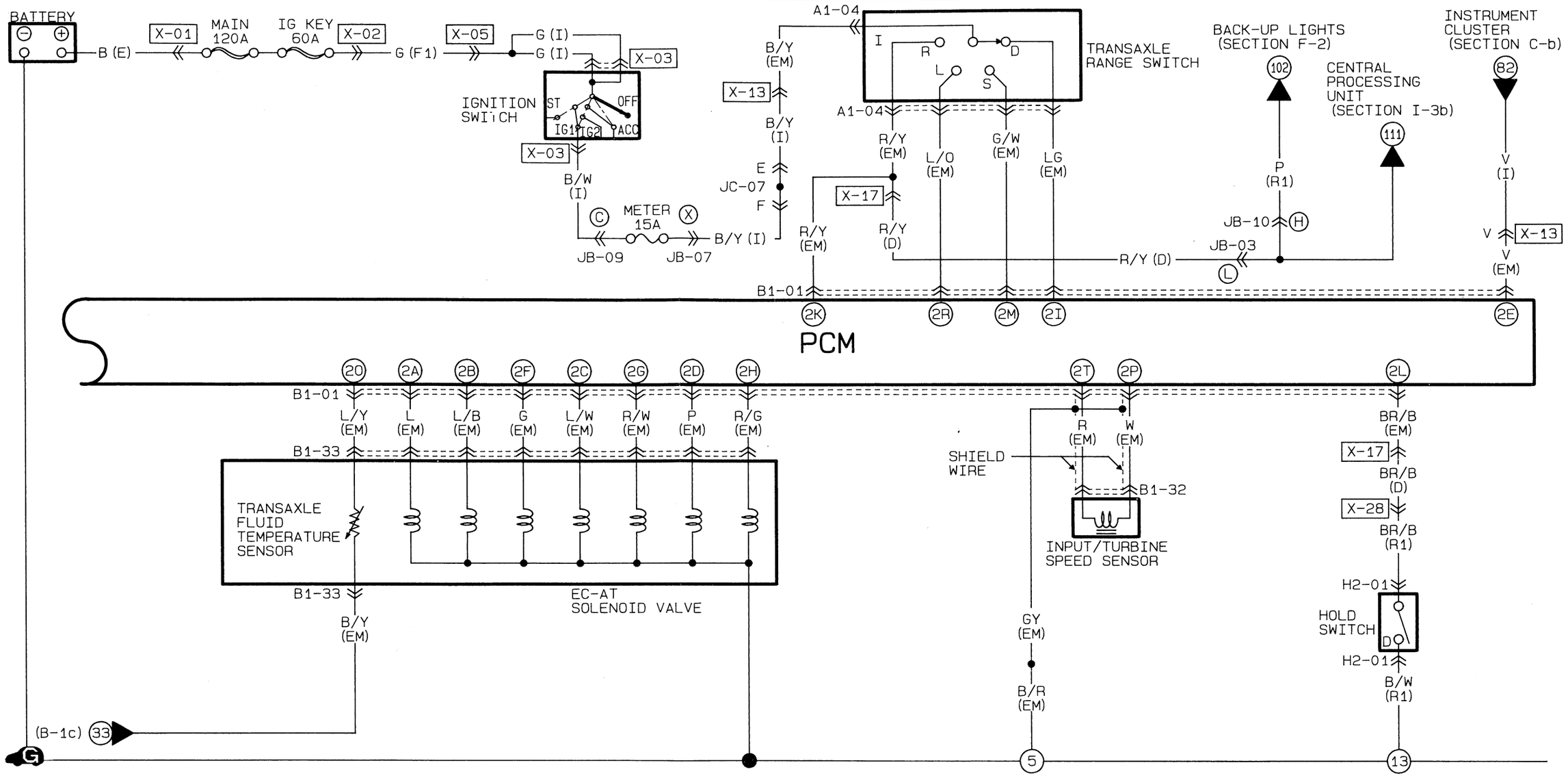




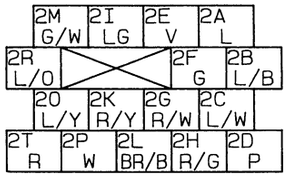
JOINT BOX



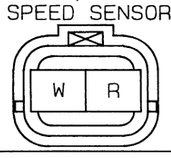
B-1d KL ■ ENGINE CONTROL SYSTEM ■ EC-AT CONTROL SYSTEM



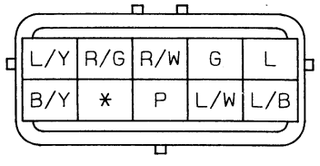
B1-01 PCM (EM)



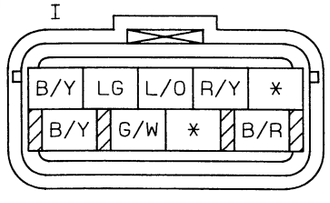
B1-32 INPUT/TURBINE SPEED SENSOR (EM)



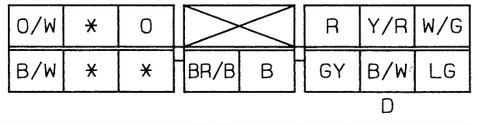
B1-33 EC-AT SOLENOID VALVE (EM)



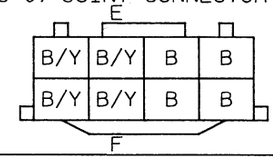
A1-04 TRANSAXLE RANGE SWITCH (EM)



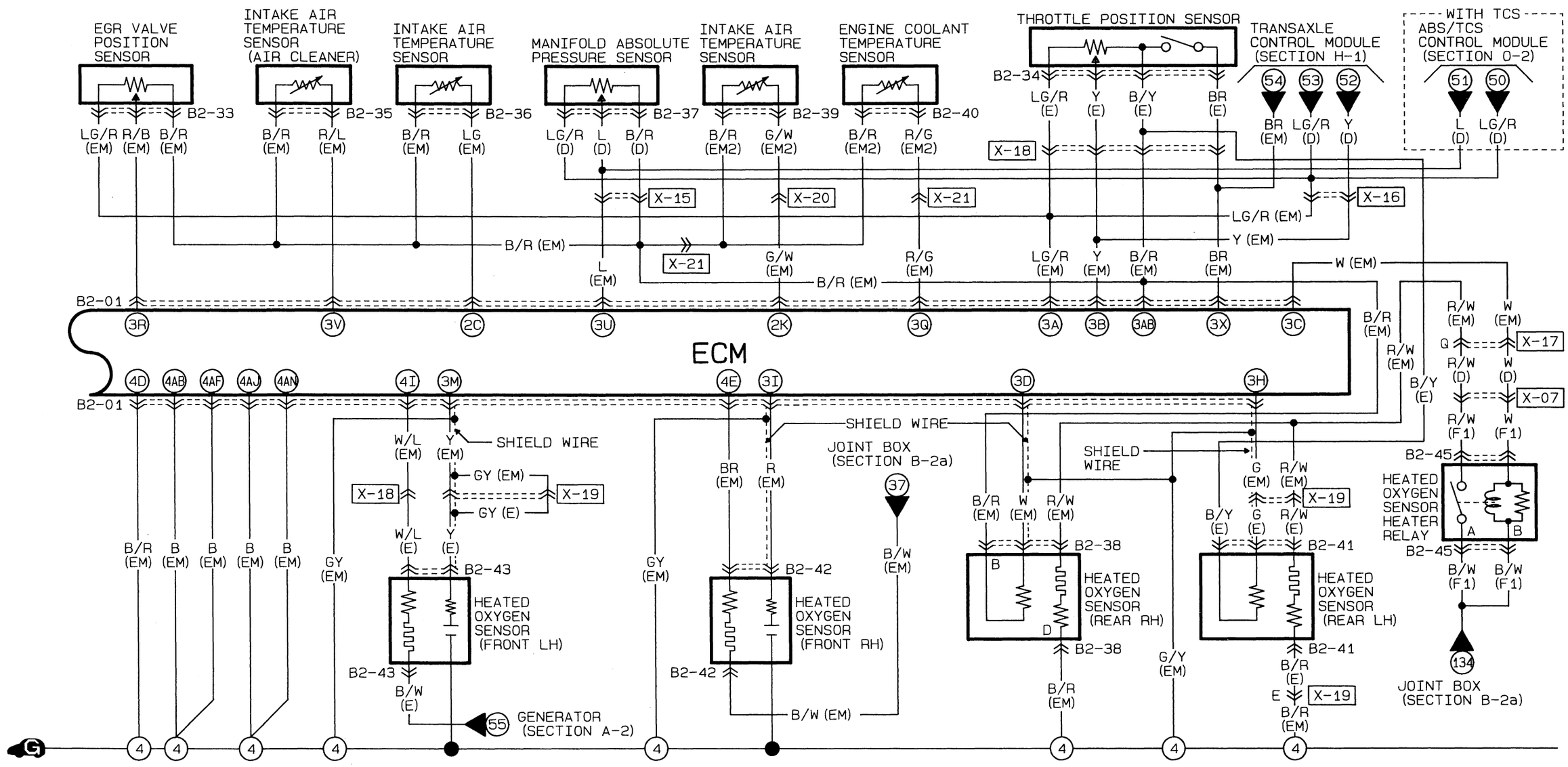
H2-01 HOLD SWITCH (R1)

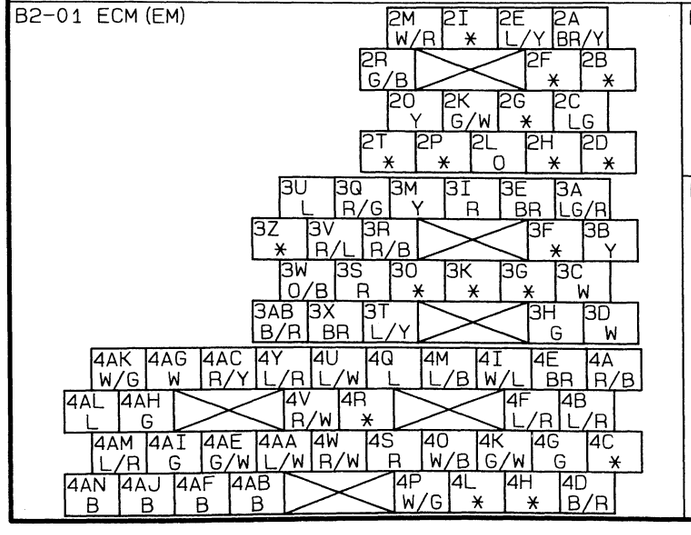


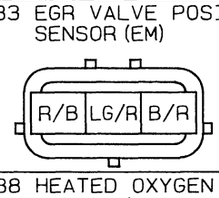
JC-07 JOINT CONNECTOR (I)

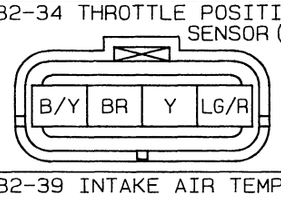


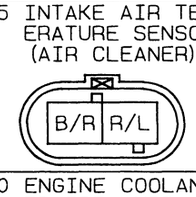
B-2d KJ ■ ENGINE CONTROL SYSTEM

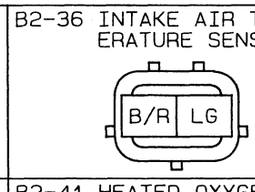


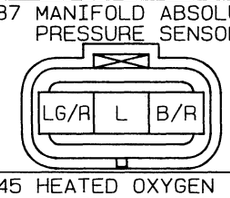


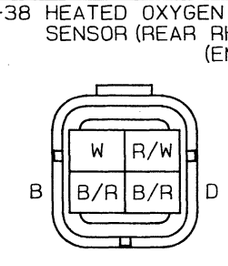


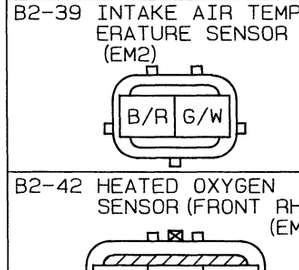


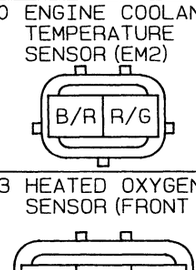


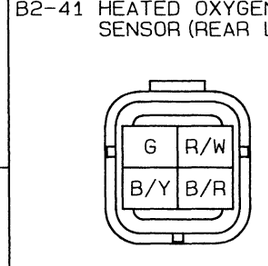


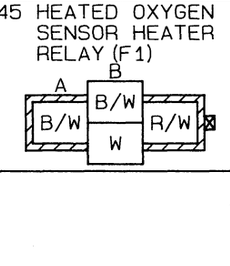


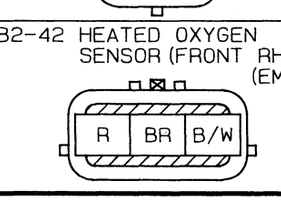


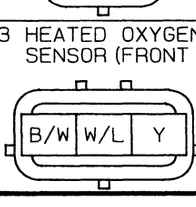




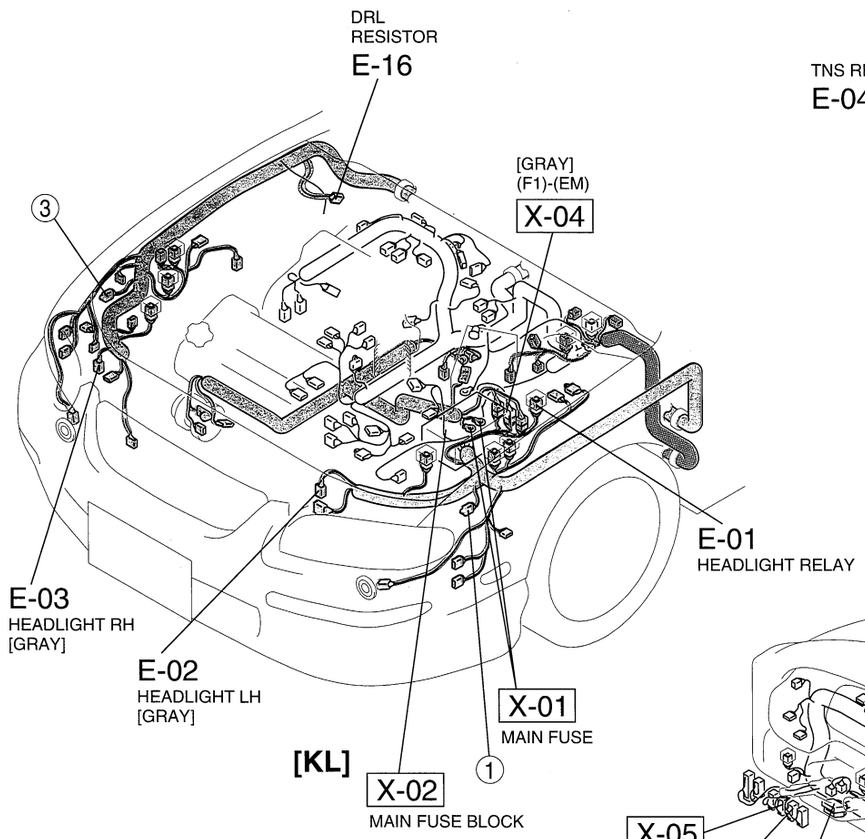


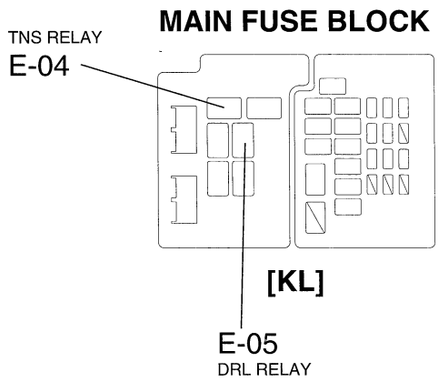


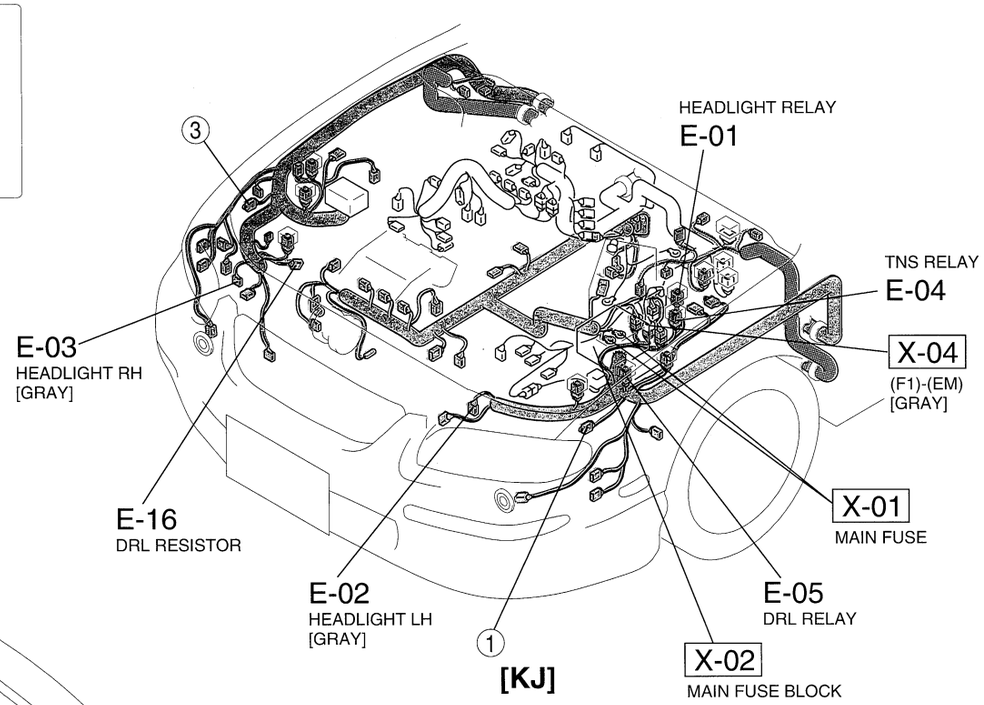


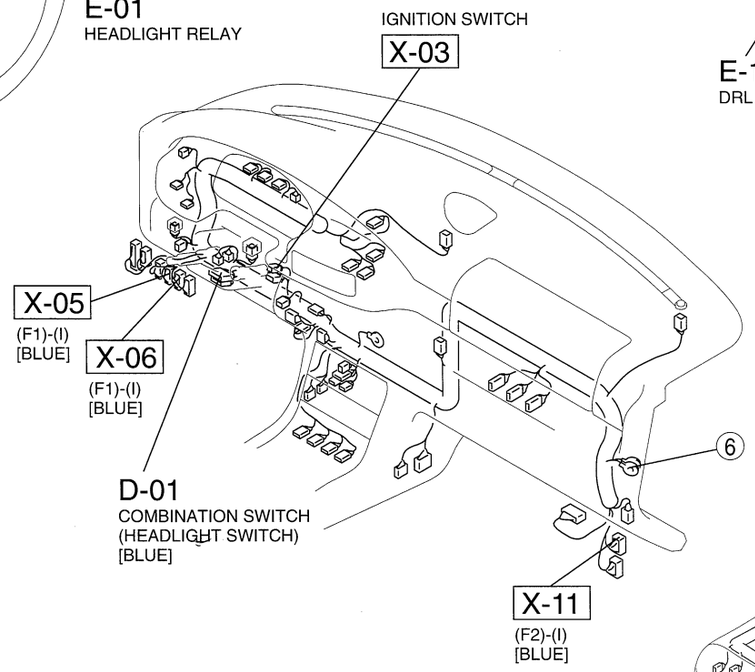


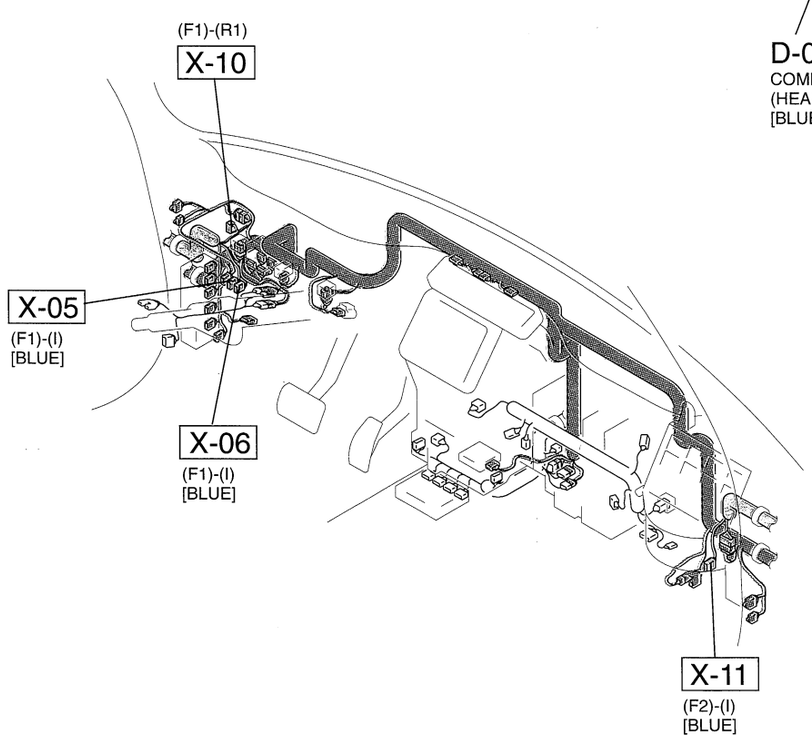
E-1

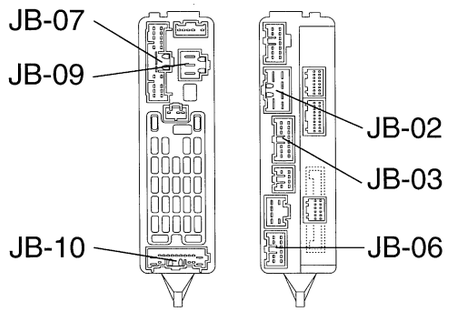

DRL
RESISTOR
E-16
[GRAY]
(F1)-(EM)
X-04
3
E-03
HEADLIGHT RH
[GRAY]
E-02
HEADLIGHT LH
[GRAY]
E-01
HEADLIGHT RELAY
[KL]
X-01
MAIN FUSE
1
X-02
MAIN FUSE BLOCK

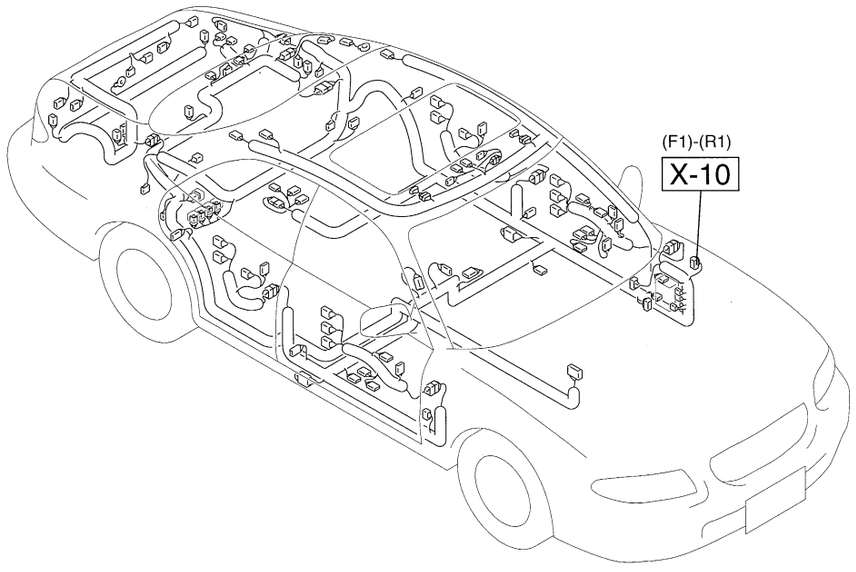

MAIN FUSE BLOCK
TNS RELAY
E-04
[KL]
E-05
DRL RELAY


HEADLIGHT RELAY
E-01
3
TNS RELAY
E-04
E-03
HEADLIGHT RH
[GRAY]
X-04
(F1)-(EM)
[GRAY]
X-01
MAIN FUSE
E-16
DRL RESISTOR
E-02
HEADLIGHT LH
[GRAY]
E-05
DRL RELAY
1
[KJ]
X-02
MAIN FUSE BLOCK

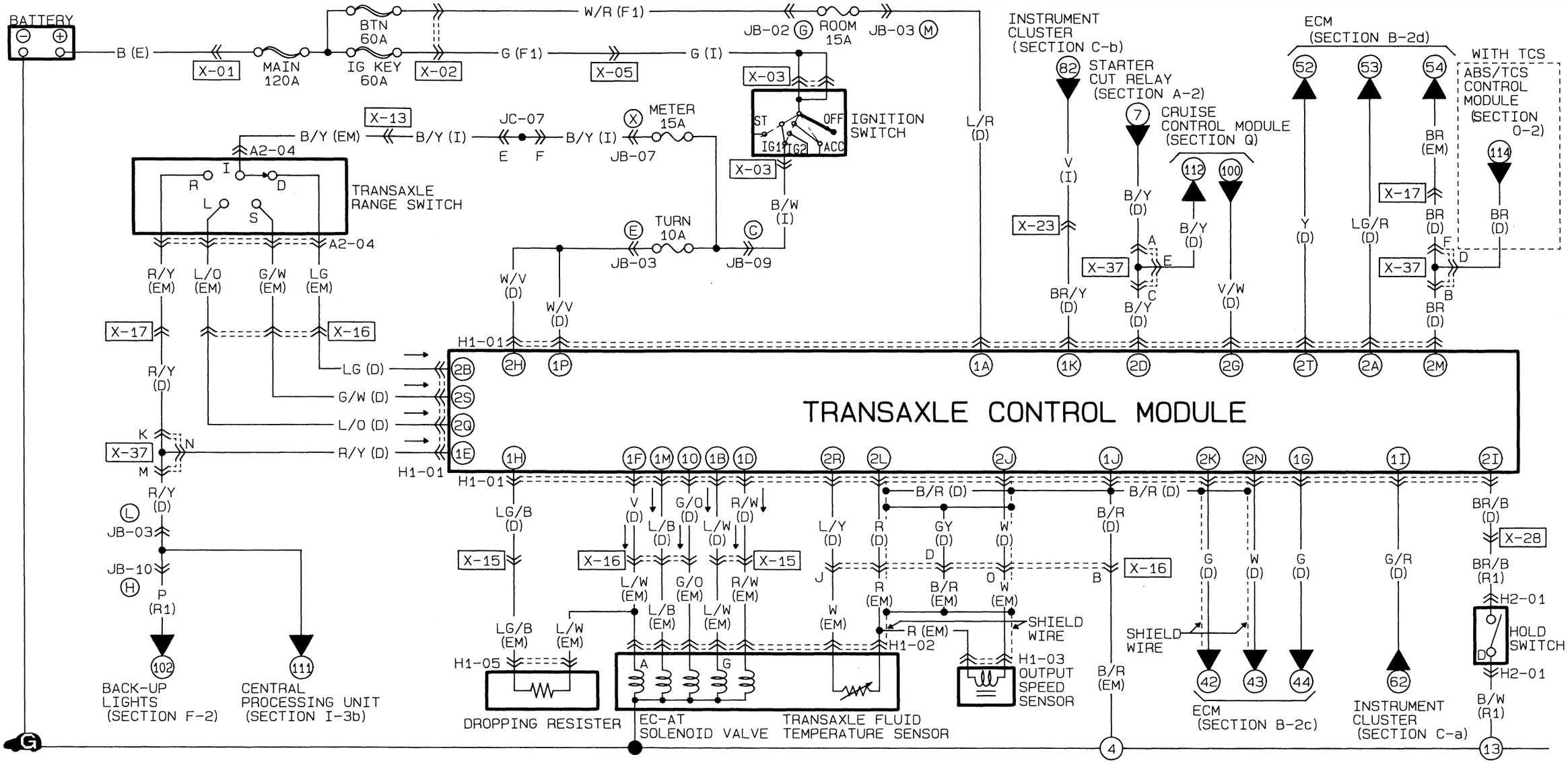

IGNITION SWITCH
X-03
X-05
(F1)-(I)
[BLUE]
X-06
(F1)-(I)
[BLUE]
D-01
COMBINATION SWITCH
(HEADLIGHT SWITCH)
[BLUE]
6
X-11
(F2)-(I)
[BLUE]


(F1)-(R1)
X-10
X-05
(F1)-(I)
[BLUE]
X-06
(F1)-(I)
[BLUE]
X-11
(F2)-(I)
[BLUE]


JOINT BOX
JB-07
JB-09
JB-10
JB-02
JB-03
JB-06


(F1)-(R1)
X-10

H-1 KJ ■ EC-AT CONTROL SYSTEM



H1-01 TRANSAXLE CONTROL MODULE (D)

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

2S	2Q		2M	2K	2I	2G		2A
G/W	L/O	*	BR	G	BR/B	V/W	*	*	LG/R
Y	L/Y	*	W	R	W	W/V	*	B/Y	LG
2T	2R		2N	2L	2J	2H		2D	2B

H1-02 EC-AT SOLENOID VALVE (EM)

G A

L/W	R/W	G/O	L/W
L/B	W	R	*

H1-03 OUTPUT SPEED SENSOR (EM)

R	W

A2-04 TRANSAXLE RANGE SWITCH (EM)

I

B/Y	R/Y	*	LG	L/O
B/Y	G/W	*	B/R	

H1-05 DROPPING RESISTER (EM)

LG/B	L/W

H2-01 HOLD SWITCH (R1)

O/W	*	O		R	Y/R	W/G
B/W	*	*	BR/B	B	GY	B/W	LG

D

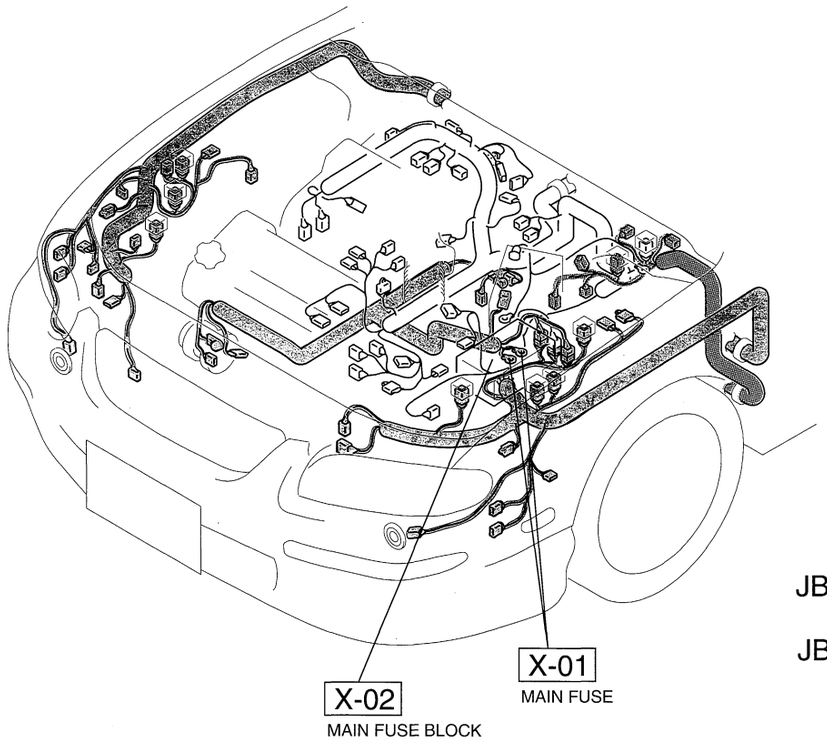
JC-07 JOINT CONNECTOR (I)

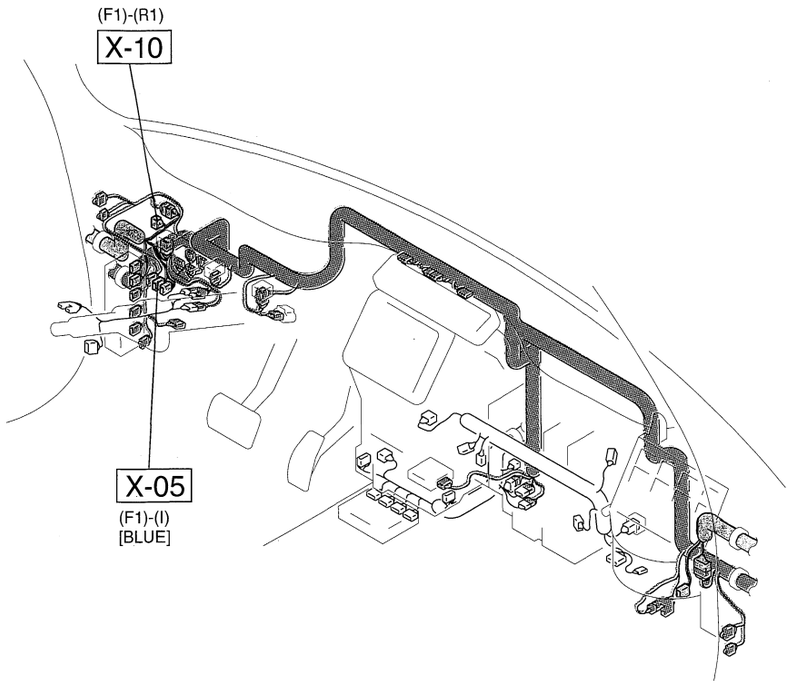
E

B/Y	B/Y	B	B
B/Y	B/Y	B	B

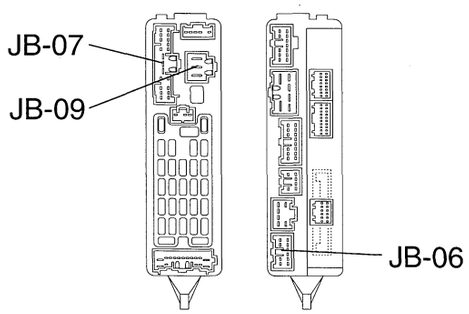
F

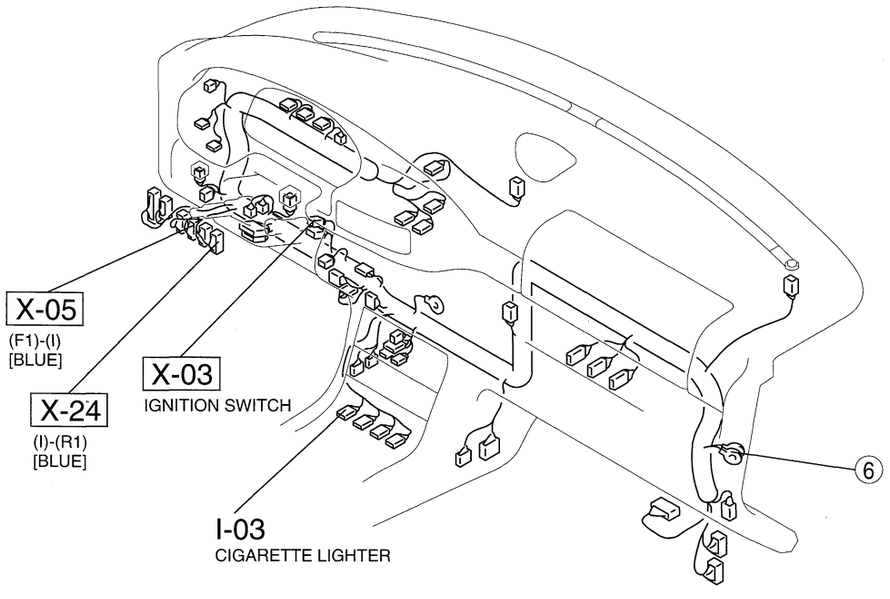
I-1

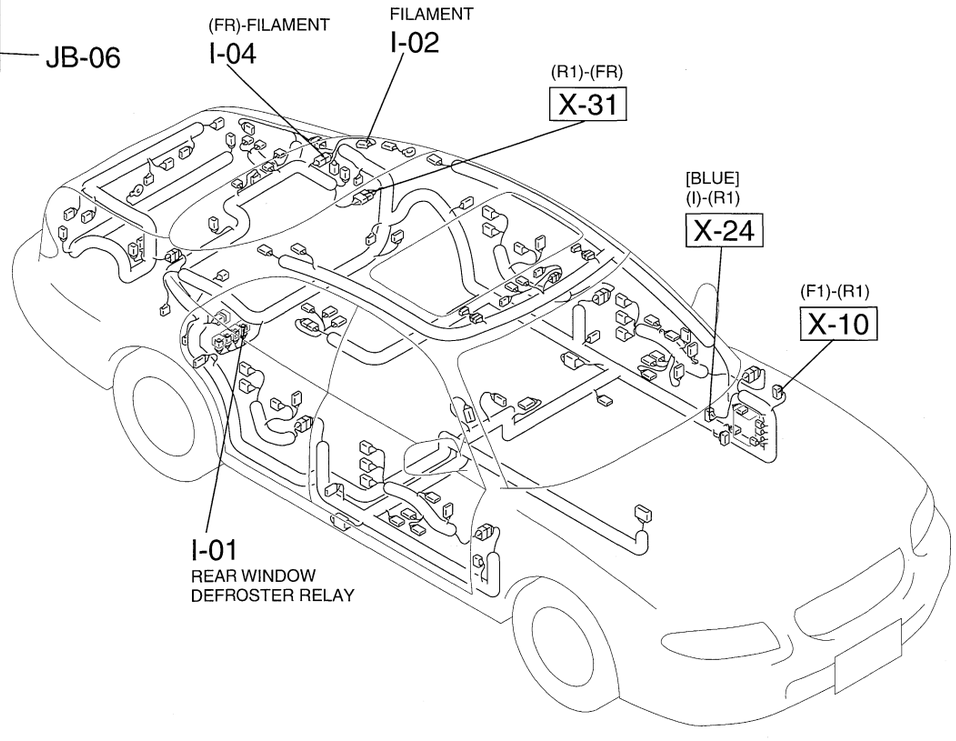

X-02
MAIN FUSE BLOCK
X-01
MAIN FUSE


(F1)-(R1)
X-10
X-05
(F1)-(I)
[BLUE]

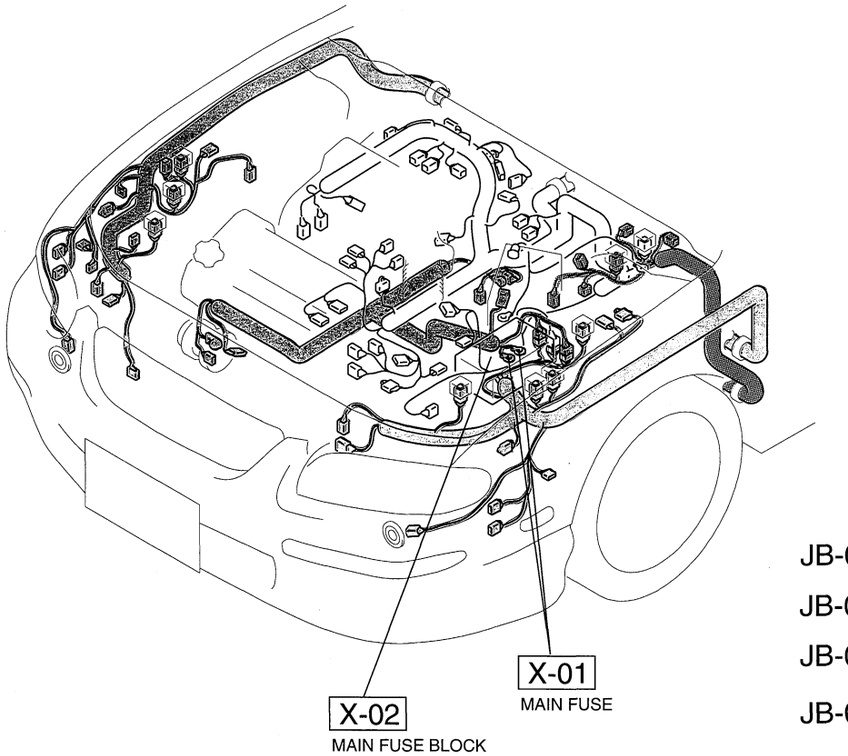
JOINT BOX

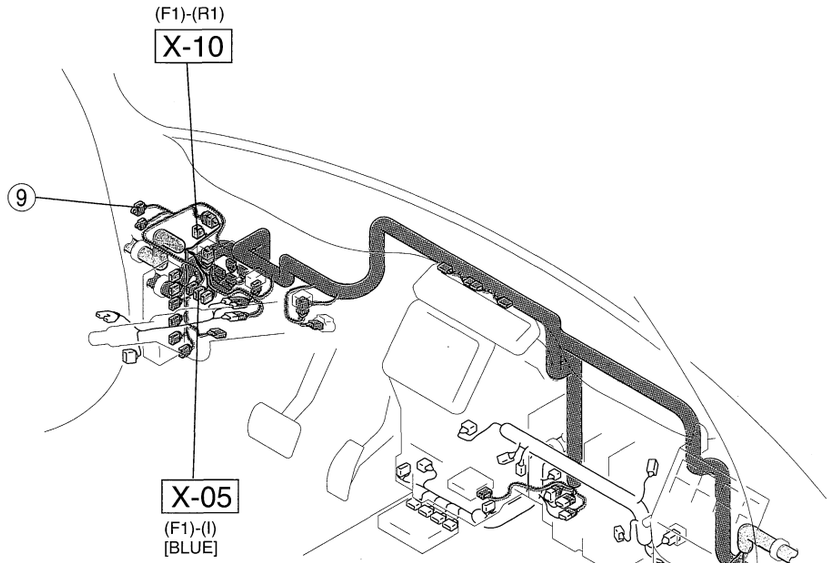

JB-07
JB-09
JB-06

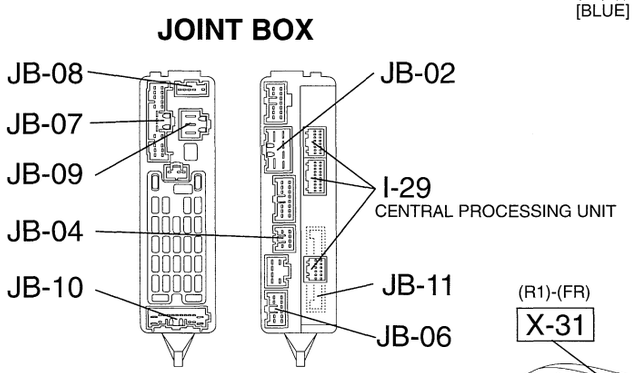

X-05
(F1)-(I)
[BLUE]
X-24
(I)-(R1)
[BLUE]
X-03
IGNITION SWITCH
I-03
CIGARETTE LIGHTER
6

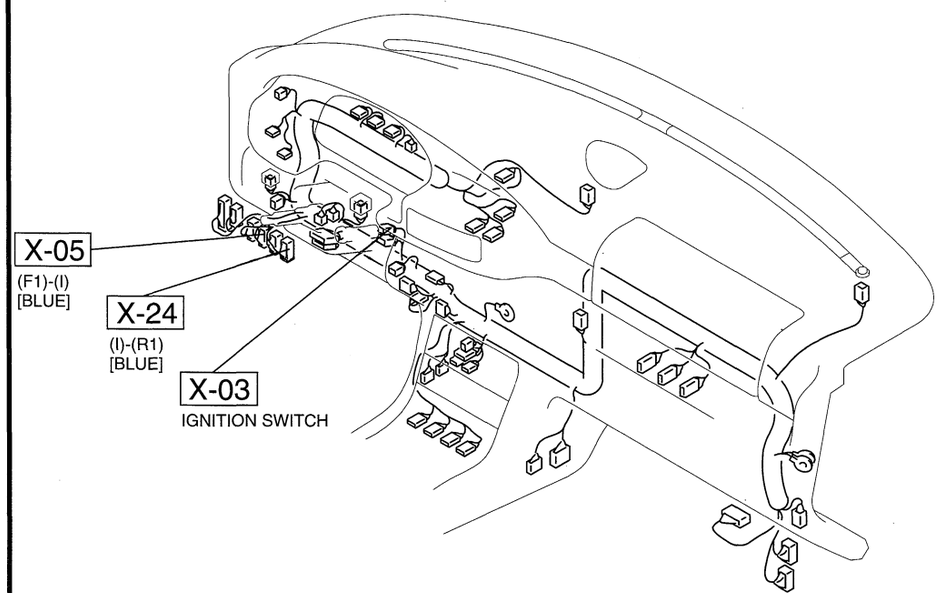

(FR)-FILAMENT
I-04
FILAMENT
I-02
(R1)-(FR)
X-31
[BLUE]
(I)-(R1)
X-24
(F1)-(R1)
X-10
I-01
REAR WINDOW
DEFROSTER RELAY

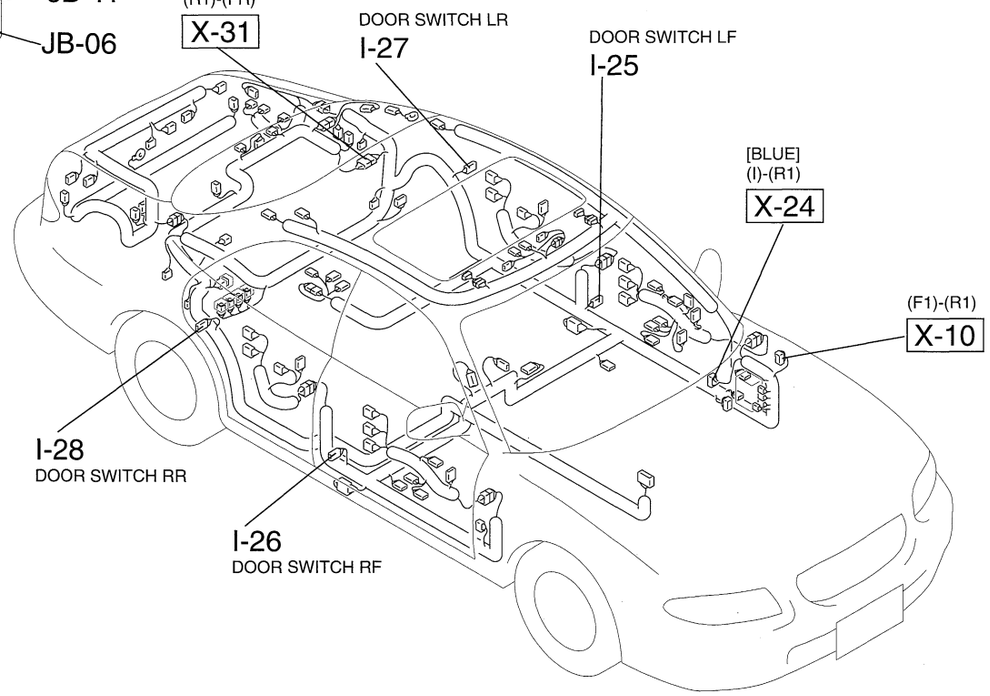
I-3b


X-02
MAIN FUSE BLOCK
X-01
MAIN FUSE

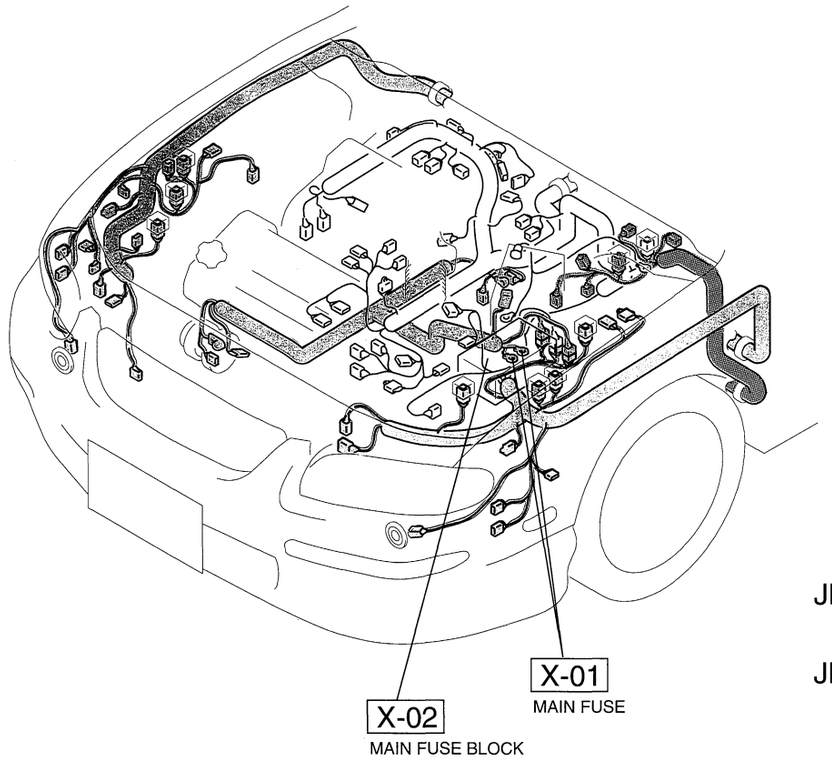

(F1)-(R1)
X-10
9
X-05
(F1)-(I)
[BLUE]

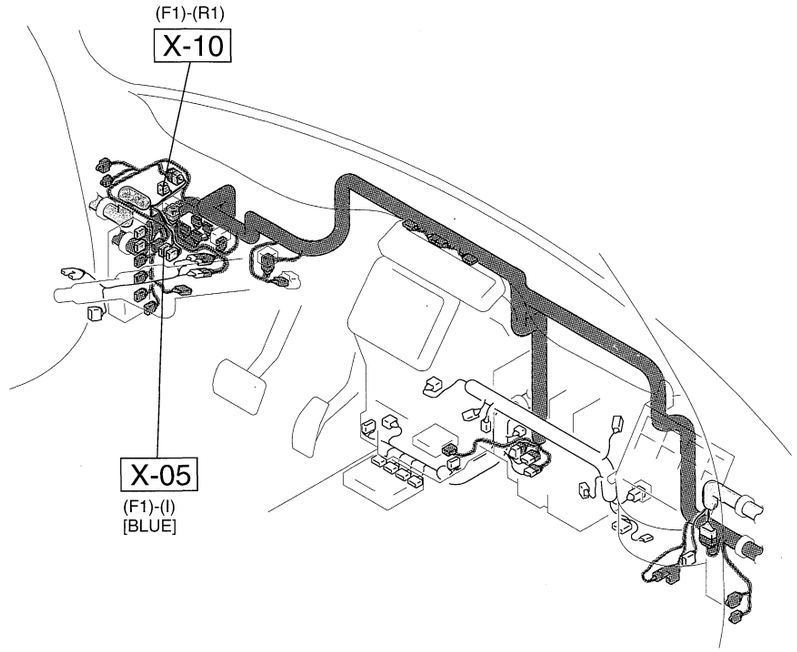

JOINT BOX
JB-08
JB-07
JB-09
JB-04
JB-10
JB-02
I-29
CENTRAL PROCESSING UNIT
JB-11
JB-06


X-05
(F1)-(I)
[BLUE]
X-24
(I)-(R1)
[BLUE]
X-03
IGNITION SWITCH

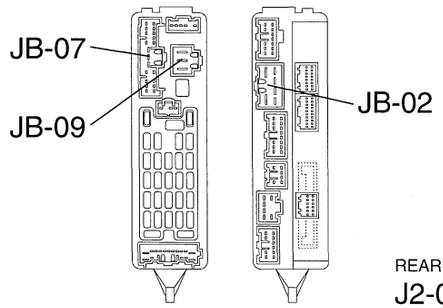

(R1)-(FR)
X-31
DOOR SWITCH LR
I-27
DOOR SWITCH LF
I-25
[BLUE]
(I)-(R1)
X-24
(F1)-(R1)
X-10
I-28
DOOR SWITCH RR
I-26
DOOR SWITCH RF

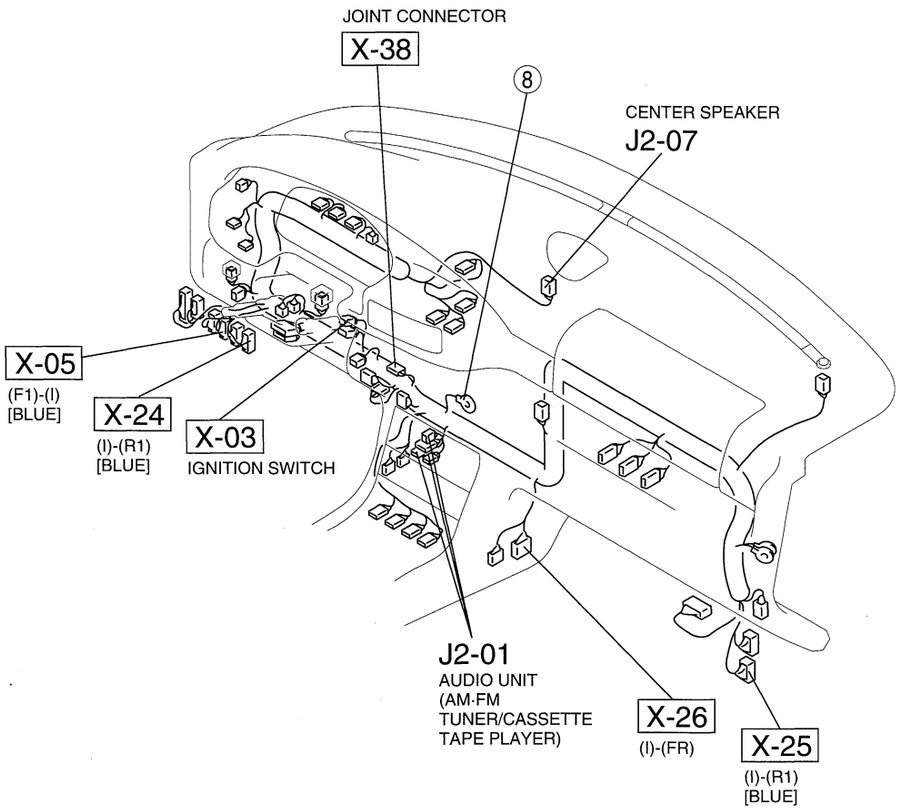
J-2

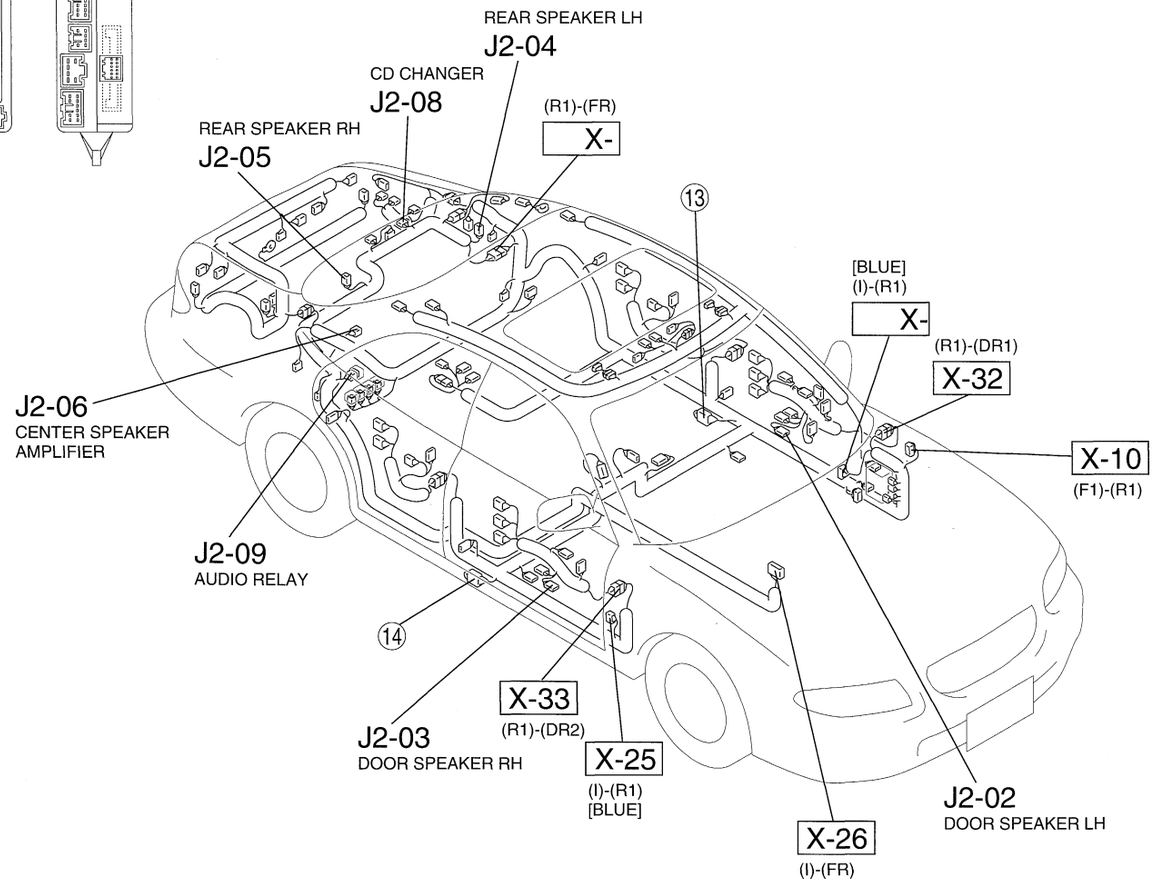

X-02
MAIN FUSE BLOCK
X-01
MAIN FUSE


(F1)-(R1)
X-10
X-05
(F1)-(I)
[BLUE]

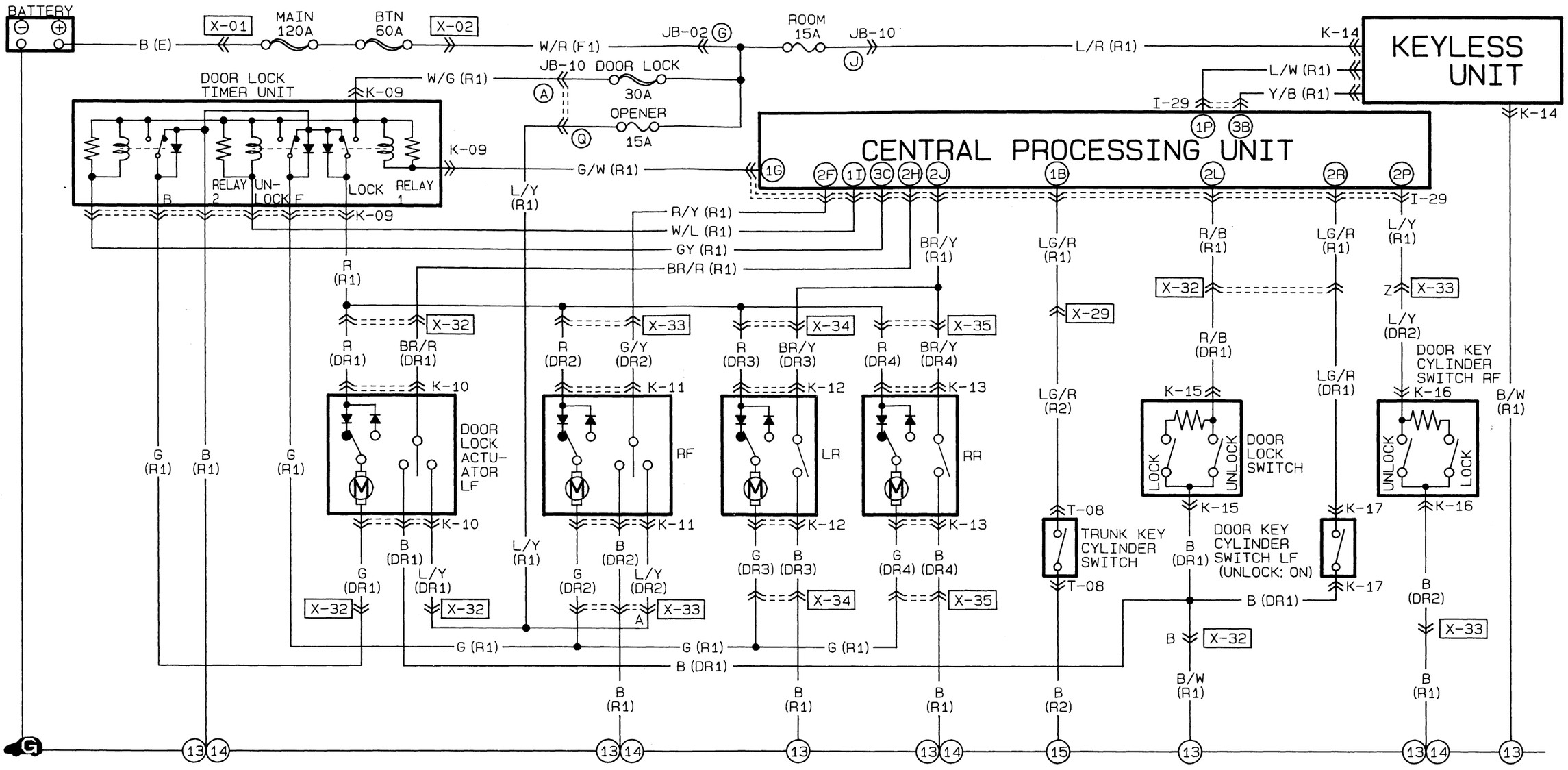
JOINT BOX


JB-07
JB-09
JB-02


JOINT CONNECTOR
X-38
8
CENTER SPEAKER
J2-07
X-05
(F1)-(I)
[BLUE]
X-24
(I)-(R1)
[BLUE]
X-03
IGNITION SWITCH
J2-01
AUDIO UNIT
(AM·FM
TUNER/CASSETTE
TAPE PLAYER)
X-26
(I)-(FR)
X-25
(I)-(R1)
[BLUE]


REAR SPEAKER LH
J2-04
CD CHANGER
J2-08
REAR SPEAKER RH
J2-05
(R1)-(FR)
X-
13
[BLUE]
(I)-(R1)
X-
(R1)-(DR1)
X-32
X-10
(F1)-(R1)
J2-06
CENTER SPEAKER
AMPLIFIER
J2-09
AUDIO RELAY
14
X-33
(R1)-(DR2)
J2-03
DOOR SPEAKER RH
X-25
(I)-(R1)
[BLUE]
X-26
(I)-(FR)
J2-02
DOOR SPEAKER LH

K-2 ■ POWER DOOR LOCK SYSTEM



K-09 DOOR LOCK TIMER UNIT (R1)

W/G	W/L			R
B	G/W	G	GY	G

F B

K-10 DOOR LOCK ACTUATOR LF (DR1)

*	L/Y	BR/R	B	R	G

K-11 DOOR LOCK ACTUATOR RF (DR2)

*	L/Y	G/Y	B	R	G

K-12 DOOR LOCK ACTUATOR LR (DR3)

B	BR/Y	R	G

K-13 DOOR LOCK ACTUATOR RR (DR4)

B	BR/Y	R	G

K-14 KEYLESS UNIT (R1)

Y/B	L/W	*	*	B/W	L/R

K-15 DOOR LOCK SWITCH (DR1)

*	*	B	R/B

K-16 DOOR KEY CYLINDER SWITCH RF (DR2)

L/Y	B	*

K-17 DOOR KEY CYLINDER SWITCH LF (DR1)

LG/R	B	*

T-08 TRUNK KEY CYLINDER SWITCH (R2)

B	*	LG/R

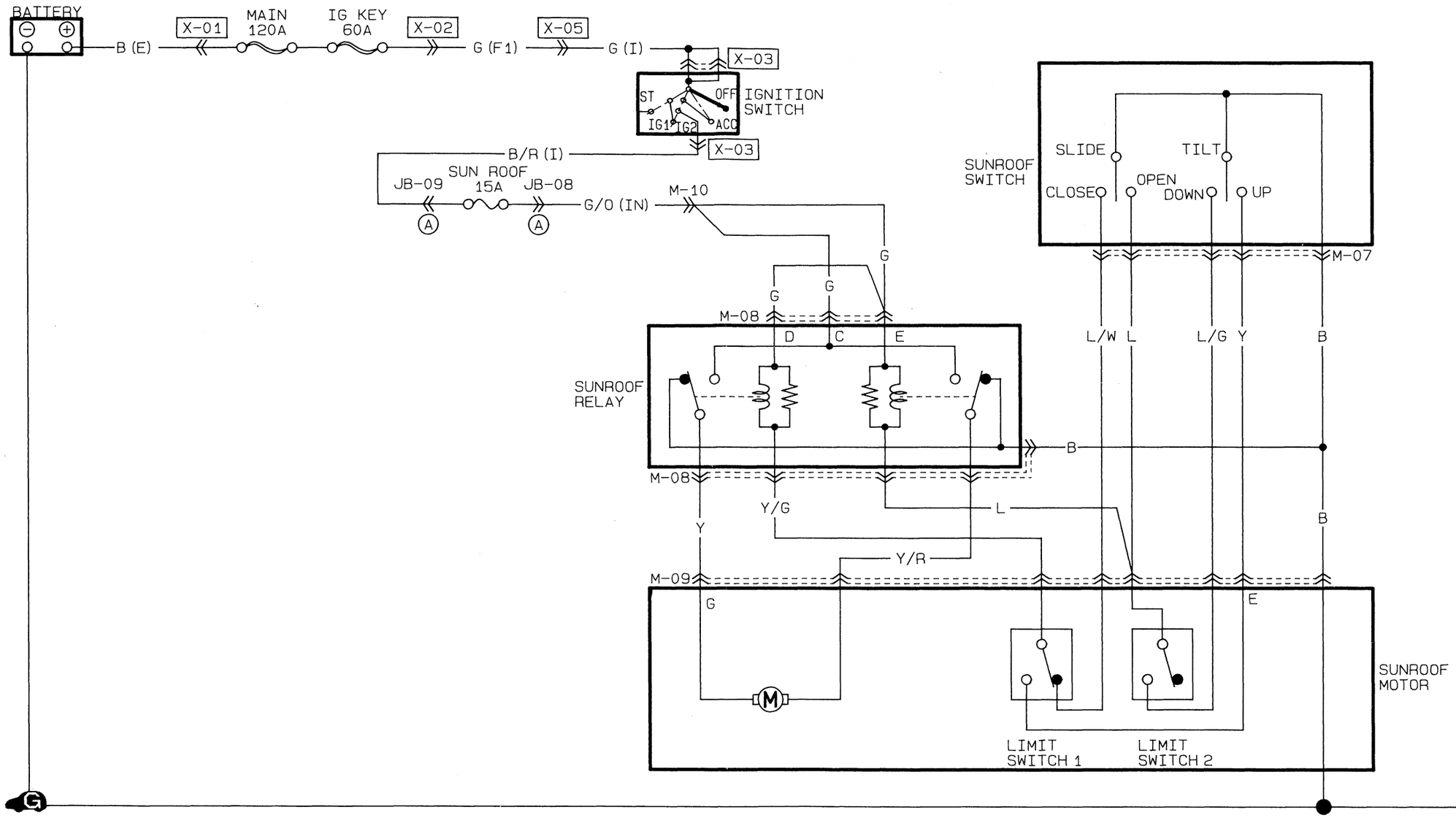
I-29 CENTRAL PROCESSING UNIT (R1)

1M			1I	1G	1E	1C	
*	R/G	*	W/L	G/W	G/R	G/Y	*
L/W	R/Y	R/W	*	*	*	R	LG/R
1P	1N	1L				1D	1B

3K	3I	3G	3E	3C	3A
W/B	R/G	V	BR	GY	W
G	W/R	B/R	BR/B	R/W	Y/B
3L	3J	3H	3F	3D	3B

		2K							
*	*	*	V/W	LG	*	L	*	O	P
Y	LG/R	L/Y	*	R/B	BR/Y	BR/R	R/Y	G/O	W
2T	2R	2P	2M	2L	2J	2H	2F	2D	2B

M-2 ■ SLIDING SUNROOF



M-07 SUNROOF SWITCH

L/W	L	*	Y	L/G	B

M-08 SUNROOF RELAY

			C	
Y/R			G	Y
L	B	G G E	G D	Y/G

M-09 SUNROOF MOTOR

		G			
Y			L/W	L L	
Y/R	B	Y E	Y/G	L/G	

M-10 INTERIOR LIGHT (IN) - SUNROOF RELAY

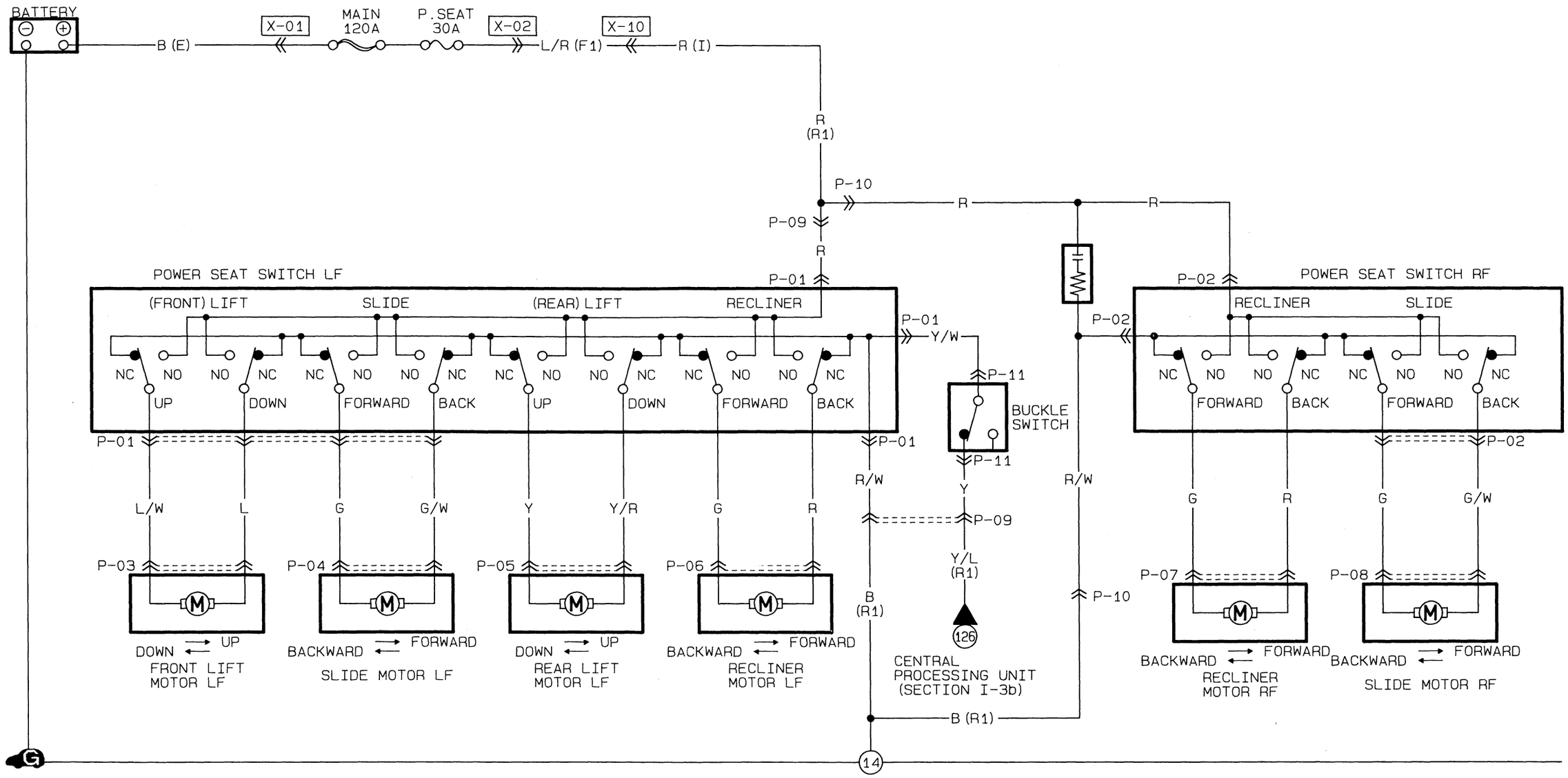
(IN)

G/O

G G

P-1 ■ POWER SEAT

( ) WITH SEAT WARMER



P-01 POWER SEAT SWITCH LF

R/W	* (B)	*		L/W	G	R
*	*	Y/W	*	G/W	L	*

P-02 POWER SEAT SWITCH RF

R/W	* (B)	*		*	G	R
*	*	*	*	G/W	*	*

P-03 FRONT LIFT MOTOR LF

L	L/W

P-04 SLIDE MOTOR LF

G	G/W

P-05 REAR LIFT MOTOR LF

Y/R	Y

P-06 RECLINER MOTOR LF

G	R

P-07 RECLINER MOTOR RF

R	G

P-08 SLIDE MOTOR RF

G	G/W

P-09 REAR NO.1 (R1) - POWER SEAT SWITCH LF

(R1)

Y/L	R
* (Y/R)	B

R	Y
R/W	* (B/W)

P-10 REAR NO.1 (R1) - POWER SEAT SWITCH RF

(R1)

*	R
* (G)	B

R	*
R/W	* (B/W)

P-11 BUCKLE SWITCH

*	Y
*	Y/W