

## **WARNING**

**Servicing a vehicle can be dangerous. If you have not received service-related training, the risks of injury, property damage, and failure of servicing increase. The recommended servicing procedures for the vehicle in this workshop manual were developed with Mazda-trained technicians in mind. This manual may be useful to non-Mazda trained technicians, but a technician with our service-related training and experience will be at less risk when performing service operations. However, all users of this manual are expected at least to know general safety procedures.**

**This manual contains “Warnings” and “Cautions” applicable to risks not normally encountered in a general technician’s experience. They should be followed to reduce the risk of injury and the risk that improper service or repair may damage the vehicle or render it unsafe. It is also important to understand that the “Warnings” and “Cautions” are not exhaustive. It is impossible to warn of all the hazardous consequences that might result from failure to follow the procedures.**

**The procedures recommended and described in this manual are effective methods of performing service and repair. Some require tools specifically designed for a specific purpose. Persons using procedures and tools which are not recommended by Mazda Motor Corporation must satisfy themselves thoroughly that neither personal safety nor safety of the vehicle will be jeopardized.**

**The contents of this manual, including drawings and specifications, are the latest available at the time of printing, and Mazda Motor Corporation reserves the right to change the vehicle designs and alter the contents of this manual without notice and without incurring obligation.**

**Parts should be replaced with genuine Mazda replacement parts or with parts which match the quality of genuine Mazda replacement parts. Persons using replacement parts of lesser quality than that of genuine Mazda replacement parts must satisfy themselves thoroughly that neither personal safety nor safety of the vehicle will be jeopardized.**

**Mazda Motor Corporation is not responsible for any problems which may arise from the use of this manual. The cause of such problems includes but is not limited to insufficient service-related training, use of improper tools, use of replacement parts of lesser quality than that of genuine Mazda replacement parts, or not being aware of any revision of this manual.**

# Mazda RX-8

## Wiring Diagram

### FOREWORD

This wiring diagram incorporates the wiring schematics of the basic vehicle and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both. All information in this booklet is based on information available at the time of printing. Mazda Motor Corporation reserves the right to make changes without previous notice.

**Mazda Motor Corporation**  
**HIROSHIMA, JAPAN**

### APPLICATION:

This manual applies to vehicles beginning with the Vehicle Identification Numbers (VIN) on the following page.

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## VEHICLE IDENTIFICATION NUMBERS (VIN) (CHASSIS NUMBER)

**Australian specs.**

**JM0 FE1032\*0 300001–**

**U.K. specs.**

**JMZ SE1736\*# 300001–**

**JMZ SE17N2\*# 300001–**

## WIRING COLOR CODE

COLOR	CODE	COLOR	CODE
BLACK	B	ORANGE	O
BLUE	L	PINK	P
BROWN	BR	RED	R
DARK BLUE	DL	SKY BLUE	SB
DARK GREEN	DG	TAN	T
GRAY	GY	VIOLET	V
GREEN	G	WHITE	W
LIGHT BLUE	LB	YELLOW	Y
LIGHT GREEN	LG		

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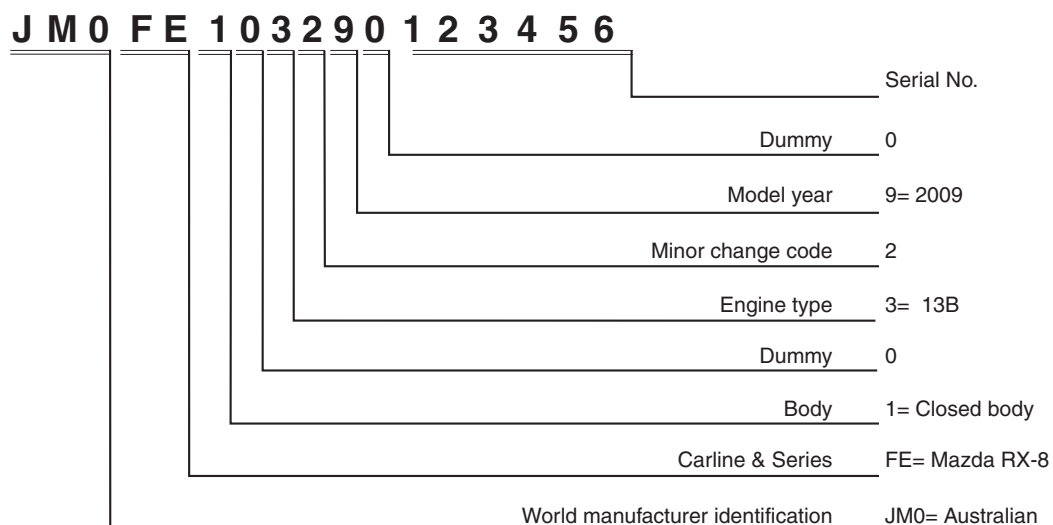
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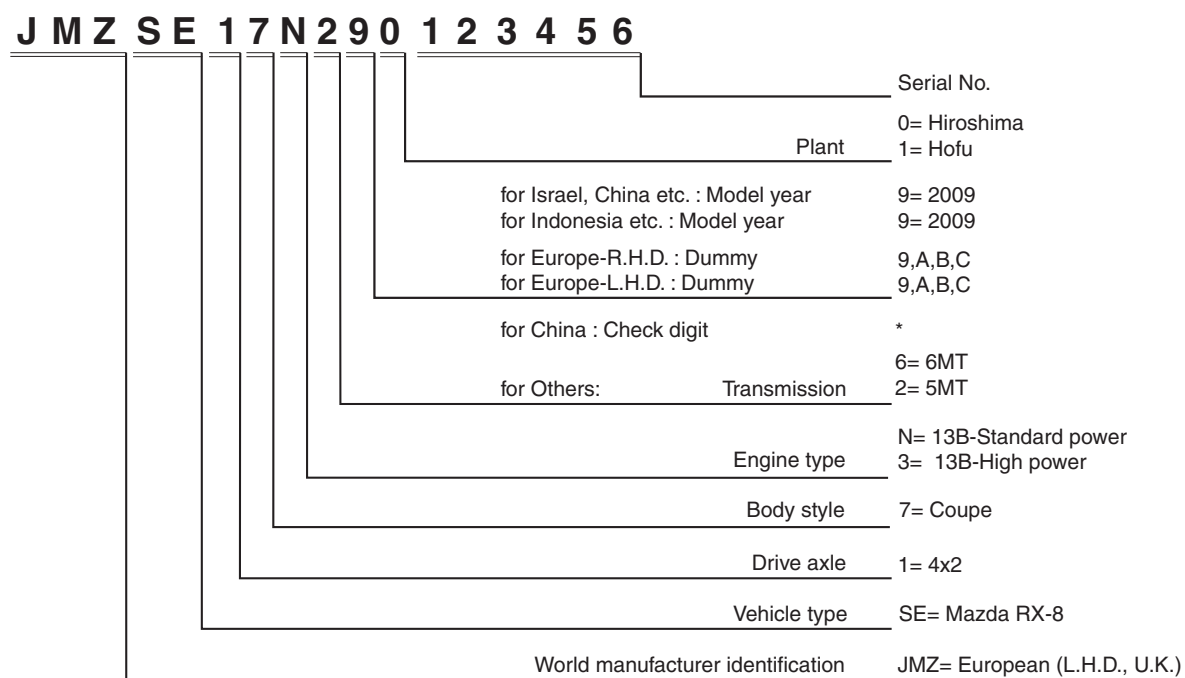


## VEHICLE IDENTIFICATION NUMBER (VIN) CODE

### Australian specs.



### U.K. specs.



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## VEHICLE IDENTIFICATION NUMBERS (VIN)

**Australian specs.**

**JM0 FE1032\*0 300001–**

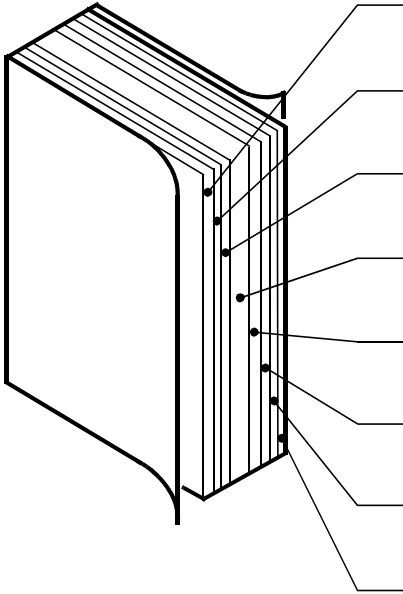
**U.K. specs.**

**JMZ SE1736\*# 300001–**

**JMZ SE17N2\*# 300001–**

## Contents of wiring diagrams

- This manual comprises the sections shown below.



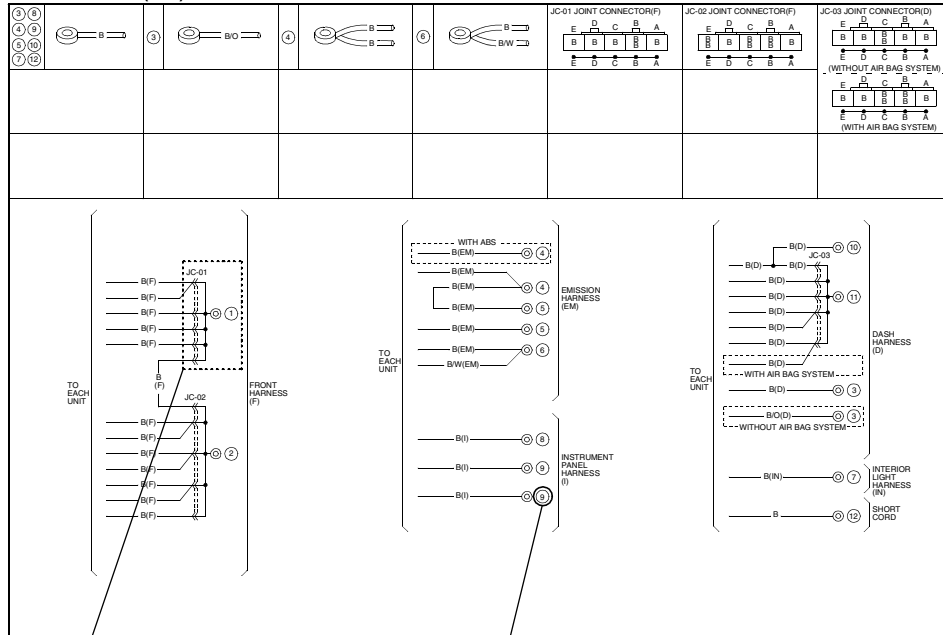
<b>GI</b>	<b>General information of wiring diagrams</b>	A how-to on using and reading wiring diagrams, using test equipment, checking harness and connectors, and finding trouble spots
<b>Y</b>	<b>Ground points</b>	Ground routes from and to the battery
<b>W</b>	<b>Electrical wiring schematic</b>	Shows main fuses and other fuses for each system
<b>A-U</b>	<b>System circuit diagram/connector locations</b>	Shows circuit and connector diagrams and component and connector location diagrams
<b>X</b>	<b>Common connectors</b>	Shows connectors common throughout system
<b>JB</b>	<b>Joint box complete wiring system</b>	Shows internal circuits and connectors
<b>FB</b>	<b>Main fuse block complete wiring system</b>	Shows internal circuits and connectors
<b>AI</b>	<b>Alphabetical Index</b>	Gives page number of circuit diagram for each component

Depending on the vehicle model, the actual sections may be different.

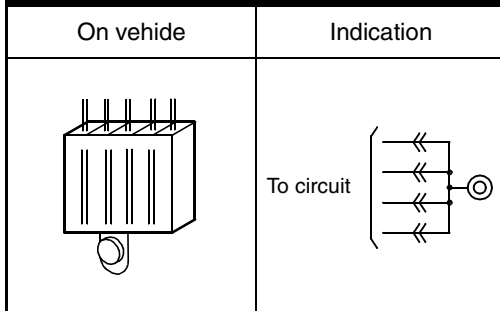
## Ground points

- This shows ground points of the harness.

GROUND POINTS(4SD)



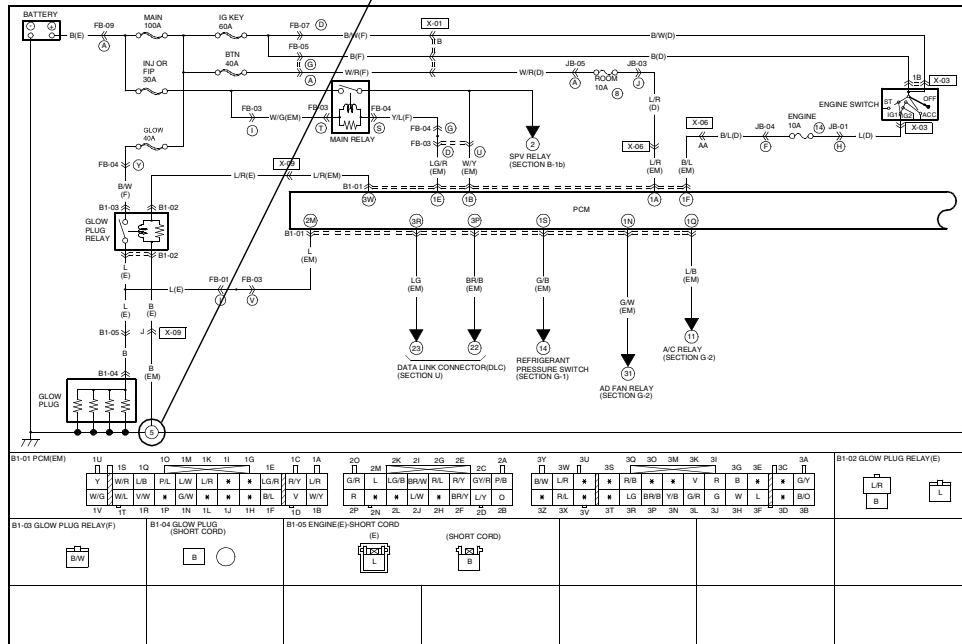
## Ground indication



## On circuit diagrams and ground points

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

ENGINE CONTROL SYSTEM



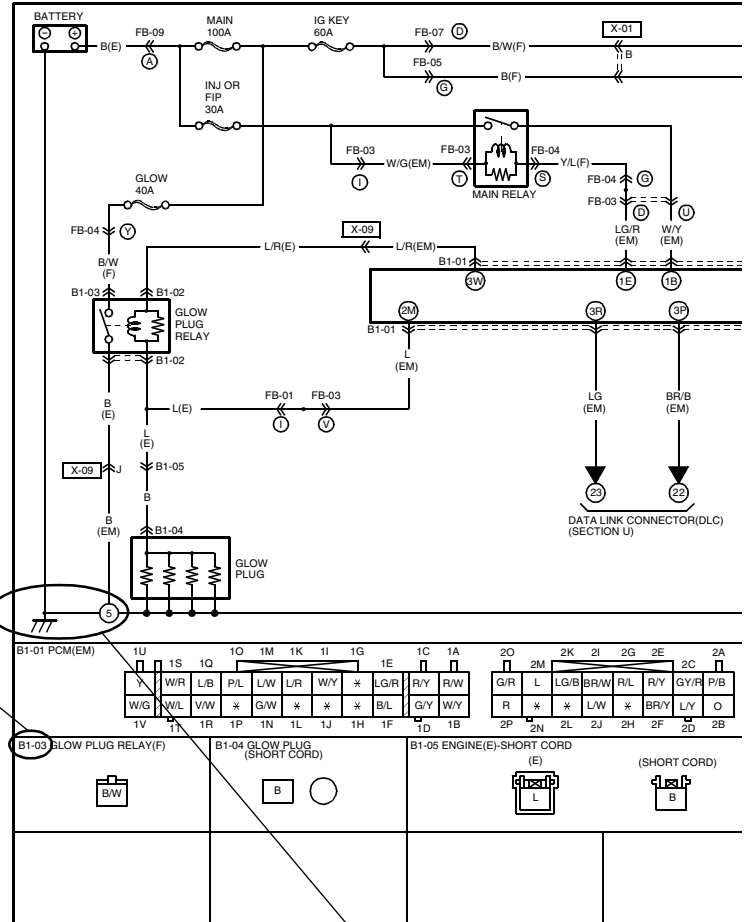
## System circuit diagram/connector diagram

- 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



### 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/Key interlock/Shift-lock 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
- O : Anti-lock brake system connectors
- P : Power seat/seat warmer system connectors
- Q : Auto cruise control system connectors
- S : Passive shoulder belt control/Airbag system connectors
- T : Others
- U : Data link connector
- X : Common connectors
- JB : Joint box connections
- FB : Main fuse block

### Ground numbers

A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
<b>Harness</b> 	
<b>Unit</b> 	

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

System code

## Multiplex communication

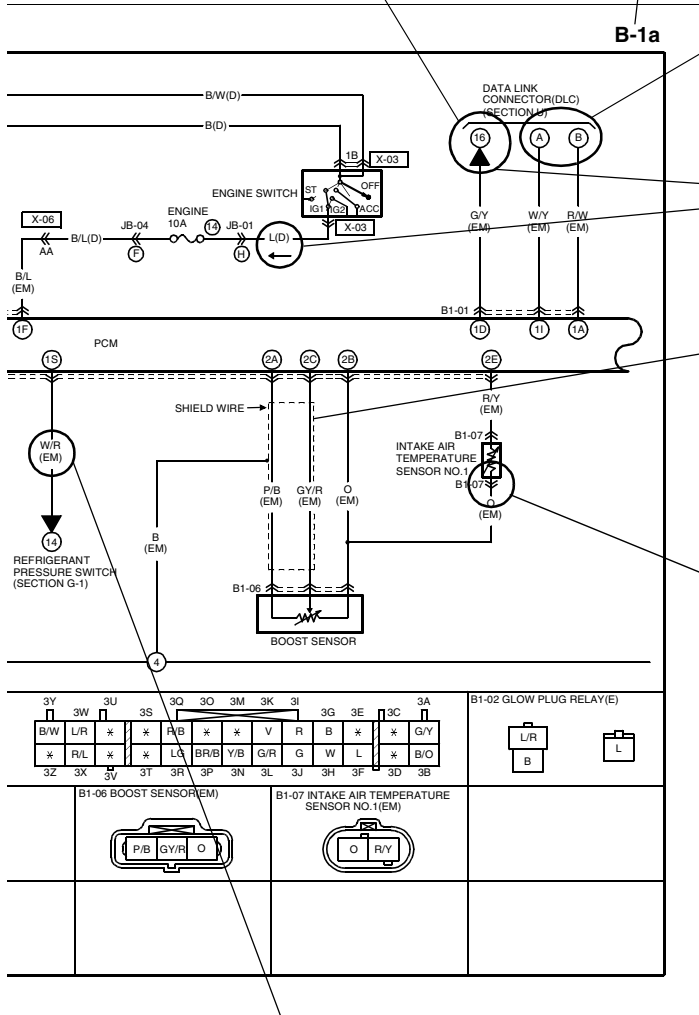
Indicates communication with connected parts. Signals are transmitted back and forth between connected parts.

## 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.



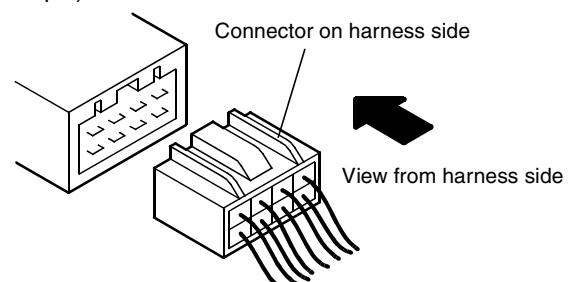
## Connector symbols

- 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)



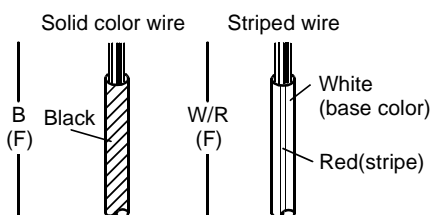
- Colors for connectors except white are given in locations.
- Unused terminals are indicated by \*.

## 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 stripe  
BR/Y is a brown wire with a yellow stripe

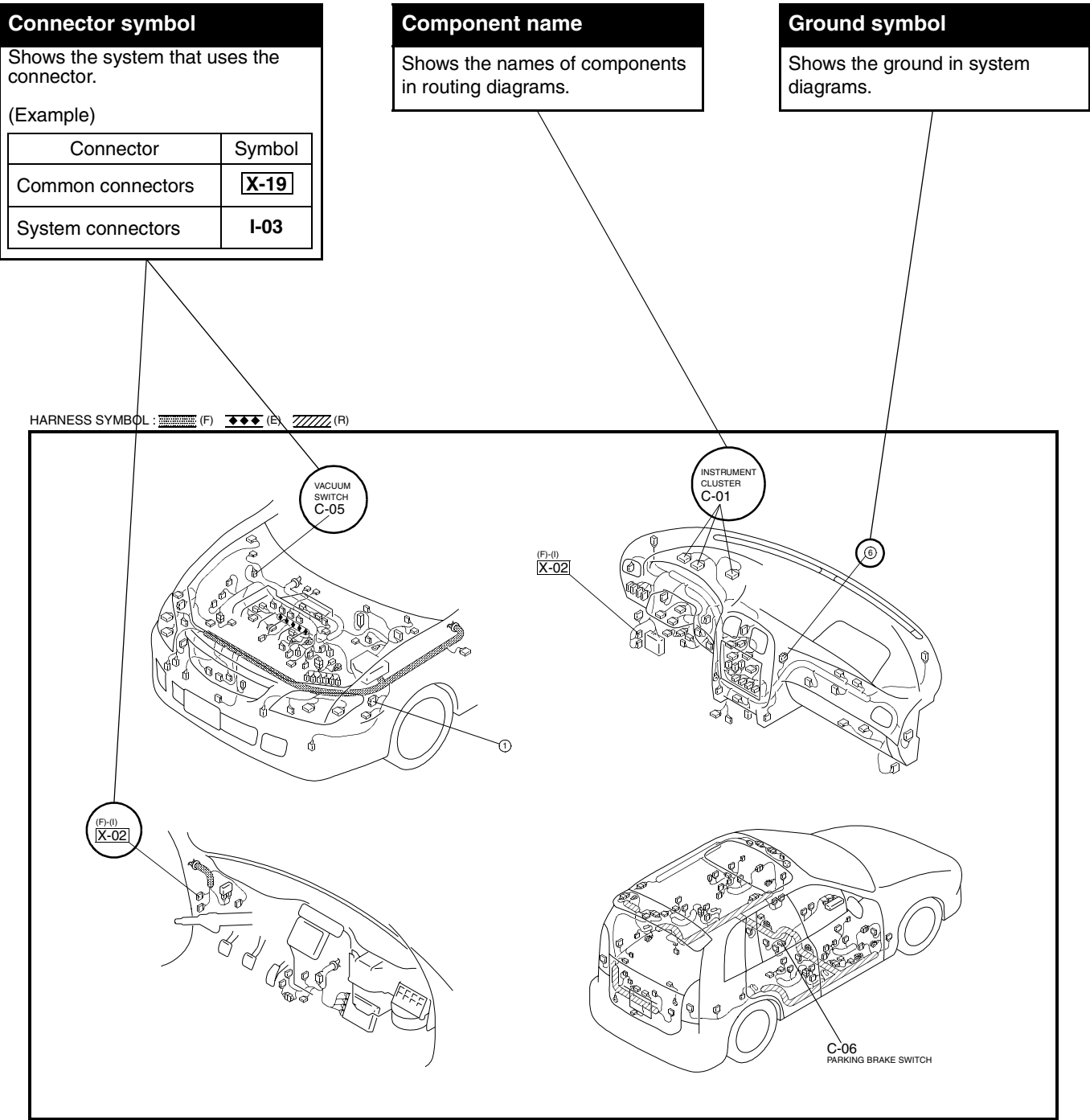
Symbol  
(Example)



- 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 NO.3 HARNESS	(R3)	A/C HARNESS	(AC)
INSTRUMENT PANEL HARNESS	( I )	INJECTION HARNESS	(INJ)
EMISSION HARNESS	(EM)	HAND BRAKE HARNESS	(HB)
EMISSION NO.2 HARNESS	(EM2)		
EMISSION NO.3 HARNESS	(EM3)		

### SERVICE WARNING AND CAUTION FOR VEHICLES WITH SRS AIR BAG SYSTEM

If the SRS air bag system inspection is not performed correctly in accordance with the workshop manual procedures it could cause the system to operate (deploy) accidentally, resulting in injury.

Always follow the service warnings and cautions in the workshop manual when performing the SRS air bag system-related inspection or servicing.

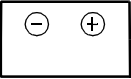

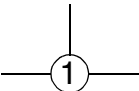

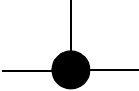


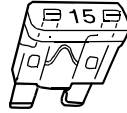
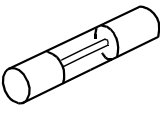
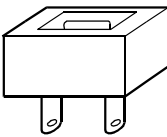
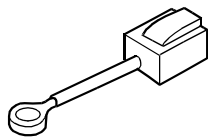
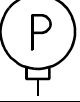
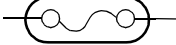


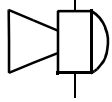
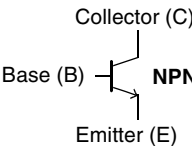
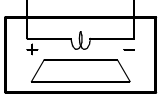
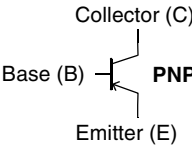






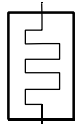
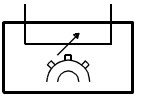
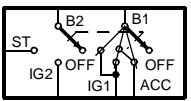
### SERVICE WARNING FOR VEHICLES WITH DISCHARGE HEADLIGHTS

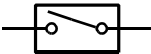

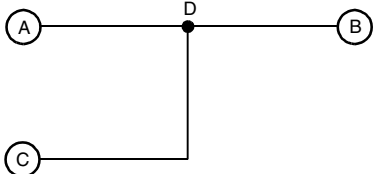


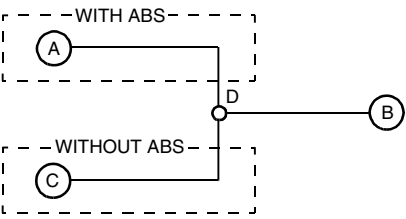
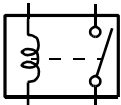
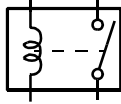
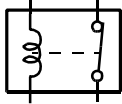
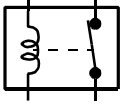
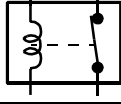
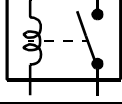
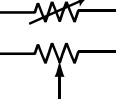






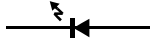
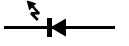


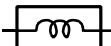

If the discharge headlight inspection and servicing is not done using the correct procedures in the workshop manual, it could result in electrical shock.

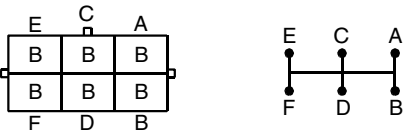
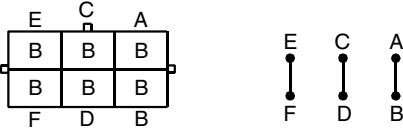
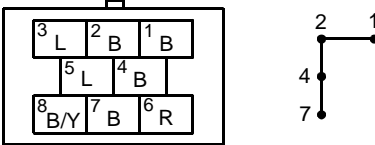
Always follow the service warnings and cautions in the workshop manual when performing the discharge headlight-related inspection or servicing.



## Symbols

Symbol	Meaning	Symbol	Meaning
Battery 	<ul style="list-style-type: none"> <li>Generates electricity through chemical reaction.</li> <li>Supplies direct current to circuits.</li> </ul>	Light 	<ul style="list-style-type: none"> <li>Emits light and generates heat when current flows through filament.</li> </ul>
Ground (1) 	<ul style="list-style-type: none"> <li>Connecting point to vehicle body or other ground wire where current flows from positive to negative terminal of battery.</li> <li>Ground (1) indicates a ground point to body through wire harness.</li> <li>Ground (2) indicates point where component is grounded directly to body.</li> </ul>	Resistance 	<ul style="list-style-type: none"> <li>A resistor with a constant value.</li> <li>Mainly used to protect electrical components in circuits by maintaining rated voltage.</li> </ul>
Ground (2) 		Motor 	<ul style="list-style-type: none"> <li>Converts electrical energy into mechanical energy.</li> </ul>
Fuse (1) 	Remarks <ul style="list-style-type: none"> <li>Current will not flow through a circuit if ground is faulty.</li> </ul> Precautions <ul style="list-style-type: none"> <li>Do not replace with fuses exceeding specified capacity.</li> </ul> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             &lt;Blade type&gt;   </div> <div style="text-align: center;">             &lt;Tube type&gt;   </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             &lt;Cartridge type&gt;   </div> <div style="text-align: center;">             &lt;Fusible link&gt;   </div> </div>	Pump 	<ul style="list-style-type: none"> <li>Pulls in and discharges gases and liquids.</li> </ul>
Fuse (2) 		Cigarette lighter 	<ul style="list-style-type: none"> <li>Electrical coil that generates heat.</li> </ul>
Main fuse/ Fusible link 		Horn 	<ul style="list-style-type: none"> <li>Generates sound when current flows.</li> </ul>
Transistor (1) 		Speaker 	
Transistor (2) 	<ul style="list-style-type: none"> <li>Electrical switching component.</li> <li>Turns on when voltage is applied to the base (B).</li> </ul> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	Heater 	<ul style="list-style-type: none"> <li>Generates heat when current flows.</li> </ul>
	<ul style="list-style-type: none"> <li>Reading code.</li> </ul> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">             2 S C 828 A              ↑              Semiconductor              Number of terminals           </div> <div>             Revision mark              A: High-frequency PNP              B: Low-frequency PNP              C: High-frequency NPN              D: Low-frequency NPN           </div> </div>	Speed sensor 	<ul style="list-style-type: none"> <li>Movement of magnet in speedometer turns contact within sensor on and off.</li> </ul>
		Ignition switch 	<ul style="list-style-type: none"> <li>Turning ignition key switches circuit to operate various component.</li> </ul> (NOTE) Ignition switch is called engine switch on diesel vehicles.

Symbol	Meaning	Symbol	Meaning
Switch (1)  Normally open (NO)	<ul style="list-style-type: none"> <li>Allows or breaks current flow by opening and closing circuits.</li> </ul>	<b>Harness Connection</b>  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)		<b>Selection</b>  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)	<ul style="list-style-type: none"> <li>Current flowing through coil produces electromagnetic force causing contact to open or close.</li> </ul> <div style="display: flex; justify-content: space-around;"> <div>           No current to coil             No flow         </div> <div>           Current to coil             Flow         </div> </div>		
Relay (2)  Normally closed (NC)	<ul style="list-style-type: none"> <li>Current flowing through coil produces electromagnetic force causing contact to close.</li> </ul> <div style="display: flex; justify-content: space-around;"> <div>           No current to coil             Flow         </div> <div>           Current to coil             No flow         </div> </div>		
Sensor (variable) 	<ul style="list-style-type: none"> <li>Resistance changes with other components operation.</li> </ul>	Diode 	<ul style="list-style-type: none"> <li>Known as a semiconductor rectifier, the diode allows current flow in one direction only.</li> </ul> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">Cathode(K)</div>  <div style="margin-left: 10px;">Anode(A)</div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="margin-right: 10px;">K</div>  <div style="margin-right: 10px;">A</div> <div style="margin-right: 10px;">K</div>  <div style="margin-right: 10px;">A</div> <div style="margin-right: 10px;">K</div>  <div style="margin-right: 10px;">A</div> </div>
Sensor (thermistor) 	<ul style="list-style-type: none"> <li>Resistance changes with temperature.</li> </ul>	Light-emitting diode (LED) 	<ul style="list-style-type: none"> <li>A diode that lights when current flows.</li> <li>Unlike ordinary bulbs, the diode does not generate heat when lit.</li> </ul> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="margin-right: 10px;">Cathode(K)</div>  <div style="margin-left: 10px;">Anode(A)</div> </div> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="margin-left: 10px;">Cathode(K)</div> <div style="margin-left: 10px;">Anode(A)</div> </div> <div style="text-align: center; margin-top: 5px;">Flow of current</div>
Capacitor 	<ul style="list-style-type: none"> <li>Component that temporarily stores electrical charge.</li> </ul>		
Solenoid 	<ul style="list-style-type: none"> <li>Current flowing through coil generates electromagnetic force to operate plungers.</li> </ul>	Reference diode (Zener diode) 	<ul style="list-style-type: none"> <li>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.</li> </ul>

Symbol	Meaning
<p>Extent of the change in the wiring position (1)</p> 	<ul style="list-style-type: none"> <li>The wiring position can be exchanged freely within the connector.</li> </ul>
<p>Extent of the change in the wiring position (2)</p> 	<ul style="list-style-type: none"> <li>The wiring position can be exchanged according to the following combinations only. Between A and B, Between C and D, Between E and F</li> </ul>
<p>Extent of the change in the wiring position (3)</p> 	<ul style="list-style-type: none"> <li>The wiring position can be exchanged according to the following combinations only. Between 1, 2, 4 and 7.</li> <li>The wiring positions may be indicated by numbers for some connectors.</li> </ul>

## Abbreviations used in this manual

3GR	THIRD GEAR
4GR	FOURTH GEAR
A	AMPERE
A/C	AIR CONDITIONING
A/F	AIR FUEL RATIO
AAS	AUTO ADJUSTING SUSPENSION
ABS	ANTI-LOCK BRAKING SYSTEM
ACC	ACCESSORIES
ACV	AIR CONTROL VALVE
ADD	ADDITIONAL
AIS	AIR INJECTION SYSTEM
ALL	AUTOMATIC LOAD LEVELING
AM	AMPLITUDE MODULATION
AMP	AMPLIFIER
ANT	ANTENNA
ASV	AIR SUPPLY VALVE
AT	AUTOMATIC TRANSMISSION
ATX	AUTOMATIC TRANSAXLE
B+	BATTERY POSITIVE VOLTAGE
BAC	BYPASS AIR CONTROL
BTN	BRAKE TAIL NUMBER
CAN	CONTROLLER AREA NETWORK
CARB	CARBURETOR
CIGAR	CIGARETTE
CIS	CONTINUOUS FUEL INJECTION SYSTEM
CKP	CRANKSHAFT POSITION SENSOR
CM	CONTROL MODULE

CMP	CAMSHAFT POSITION SENSOR
COMBI	COMBINATION
CON	CONDITIONER
CONT	CONTROL
CPU	CENTRAL PROCESSING UNIT
DEF	DEFROSTER
DI	DISTRIBUTOR IGNITION
DLC	DATA LINK CONNECTOR
DLI	DISTRIBUTORLESS IGNITION
DOHC	DOUBLE-OVERHEAD CAMSHAFT
DRL	DAYTIME RUNNING LIGHT
DTC	DIAGNOSTIC TROUBLE CODE(S)
DTM	DIAGNOSTIC TEST MODE
ECPS	ELECTRONICALLY CONTROLLED POWER STEERING
ECT	ENGINE CONTROL TEMPERATURE
EGR	EXHAUST GAS RECIRCULATION
EI	ELECTRONIC IGNITION
ELEC	ELECTRIC
ELR	EMERGENCY LOCKING RETRACTOR
ET	ELECTRONIC THROTTLE
ETV	ELECTRONIC THROTTLE VALVE
EVAP	EVAPORATIVE EMISSION
F	FRONT
F/I	FUEL INJECTOR
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
HI	HIGH
HO2S	HEATED OXYGEN SENSOR
HU	HYDRAULIC UNIT
IAC	IDLE AIR CONTROL
IAT	INTAKE AIR TEMPERATURE
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
MAP	MANIFOLD ABSOLUTE PRESSURE
MFI	MULTIPOINT FUEL INJECTION
MID	MIDDLE
MIL	MALFUNCTION INDICATOR LAMP
MIN	MINUTE
MIX	MIXTURE
MPX	MULTIPLEX
MT	MANUAL TRANSMISSION
MTX	MANUAL TRANSAXLE
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O2S	OXYGEN SENSOR
OBD	ON-BOARD DIAGNOSTIC
O/D	OVER DRIVE
OFF	SWITCH OFF
ON	SWITCH ON
OSC	OSCILLATOR
P	POWER
P/S	POWER STEERING
PCM	POWERTRAIN CONTROL MODULE
PNP	PARK/NEUTRAL POSITION
PRC	PRESSURE REGULATOR CONTROL
PRG	PURGE SOLENOID VALVE
PSP	POWER STEERING PRESSURE
PTC	POSITIVE TEMPERATURE COEFFICIENT HEATER
PWM	PULSE WIDTH MODULATION
QSS	QUICK-START SYSTEM

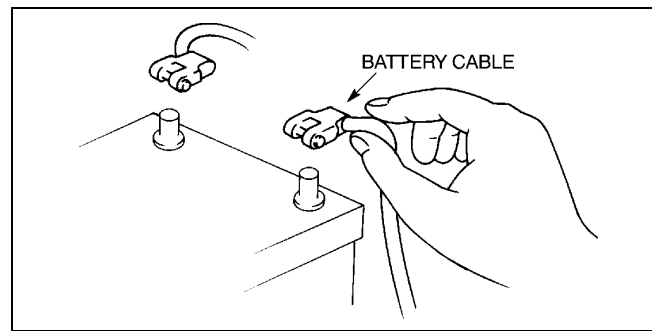
R	REAR
REC	RECIRCULATION
RF	RIGHT FRONT
RH	RIGHT HAND
RPM	REVOLUTIONS PER MINUTE
RR	RIGHT REAR
SAS	SOPHISTICATED AIR BAG SENSOR
SFI	SEQUENTIAL MULTIPPOINT FUEL INJECTION
SOL	SOLENOID
SPV	SPIRIT VALVE
ST	START
SW	SWITCH
TC	TURBOCHARGER
TCC	TORQUE CONVERTER CLUTCH
TCM	TRANSMISSION(TRANSAXLE)CONTR OL MODULE
TCS	TRACTION CONTROL SYSTEM
TEMP	TEMPERATURE
TFT	TRANSAXLE FLUID TEMPERATURE
TNS	TAIL NUMBER SIDE LIGHTS
TICS	TRIPLE INDUCTION CONTROL SYSTEM
TP	THROTTLE POSITION SENSOR
TR	TRANSMISSION(TRANSAXLE)RANGE
TWS	TOTAL WIRING SYSTEM
V	VOLT
VAF	VOLUME AIR FLOW SENSOR
VENT	VENTILATION
VICS	VARIABLE INERTIA CHARGING SYSTEM
VOL	VOLUME
VR	VOLTAGE REGULATOR
VRIS	VARIABLE RESONANCE INDUCTION SYSTEM
VSS	VEHICLE SPEED SENSOR
VTCS	VARIABLE TUMBLE CONTROL SYSTEM
W	WATT(S)
WOT	WIDE OPEN THROTTLE

## ELECTRICAL PARTS

B6U000000006W03

## Battery cable

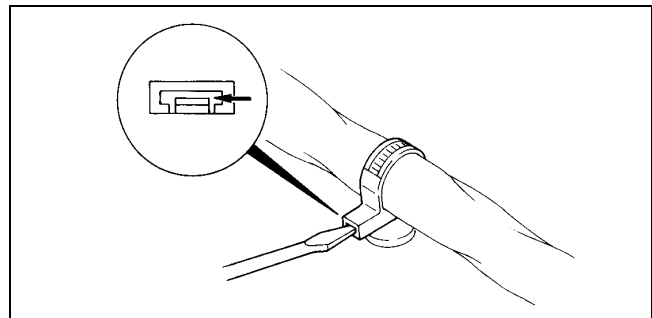
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

## Wiring Harness

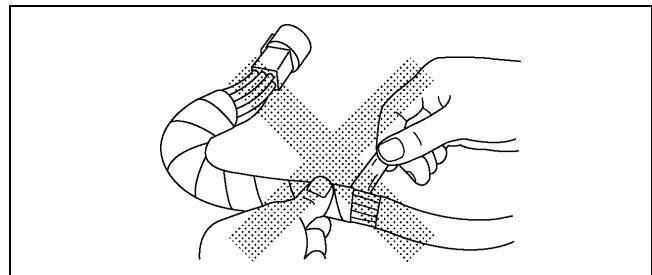
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



WGIWXX0039E

## Caution

- Do not remove the Harness protective tape. Otherwise, the wires could rub against the body, which could result in water penetration and electrical shorting.

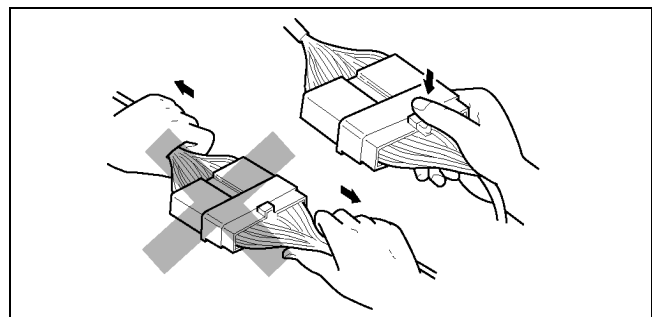


WGIWXX0040E

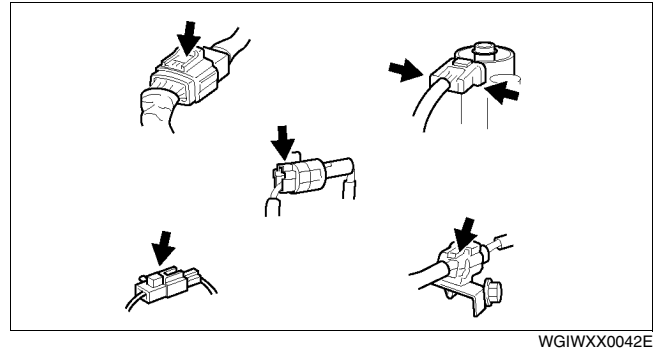
## CONNECTORS

## Disconnecting connectors

- When disconnecting connector, grasp the connectors, not the wires.

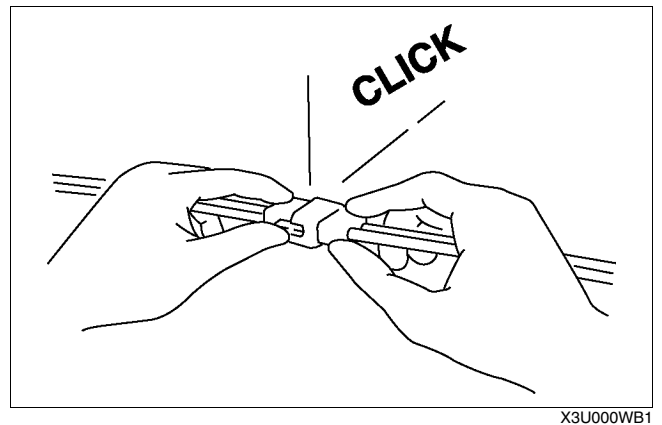


- Connectors can be disconnected by pressing or pulling the lock lever as shown.



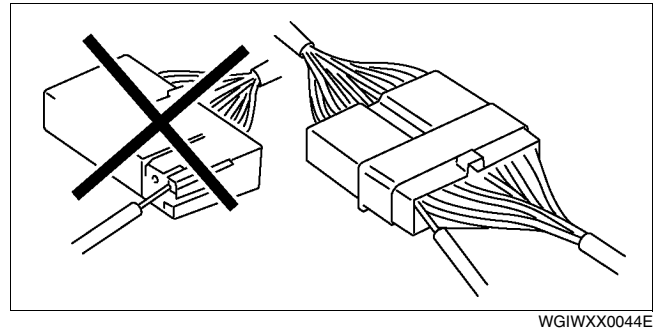
## Locking connector

- When locking connectors, listen for a click indicating they are securely locked.



## Inspection

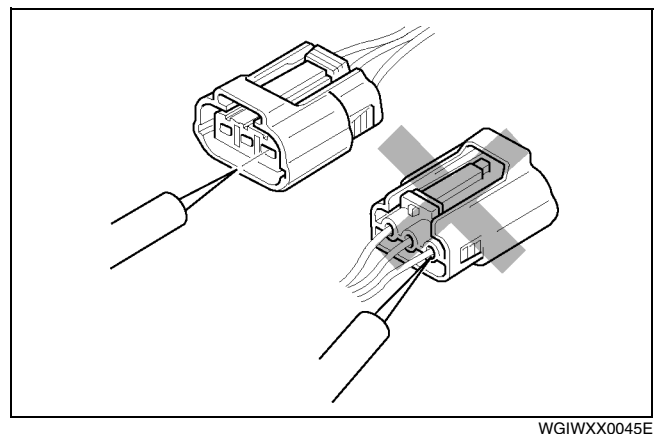
- When a tester is used to inspect for continuity or measuring voltage, insert the tester probe from the wiring harness side.



- Inspect the terminals of waterproof connectors from the connector side since they cannot be accessed from the wiring harness side.

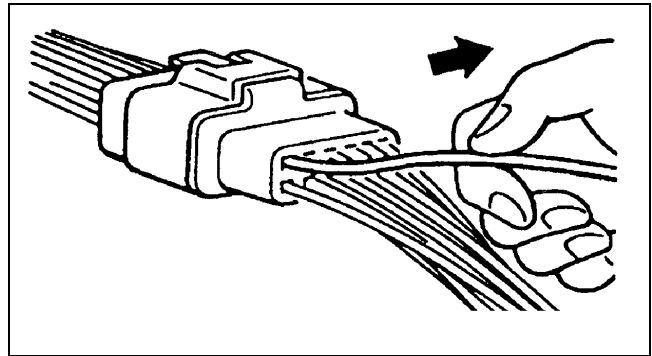
## Caution

- To prevent damage to the terminal, wrap a thin wire around the tester probe before inserting into terminal.



**Terminals****Inspection**

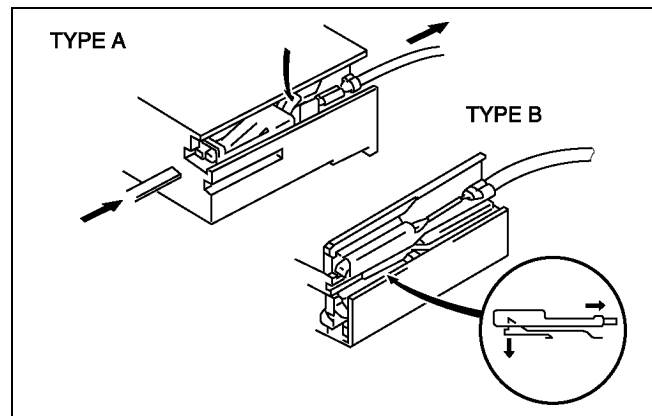
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

**Replacement**

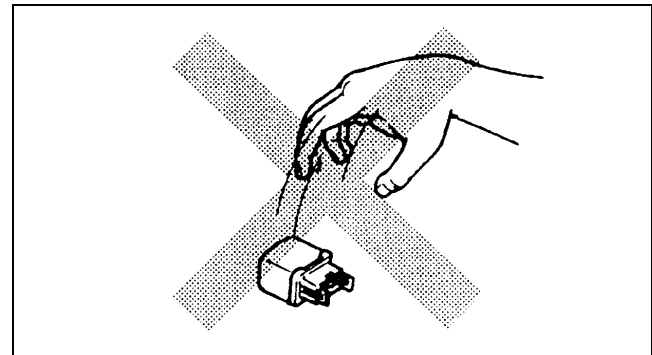
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

**Sensors, Switches, and Relays**

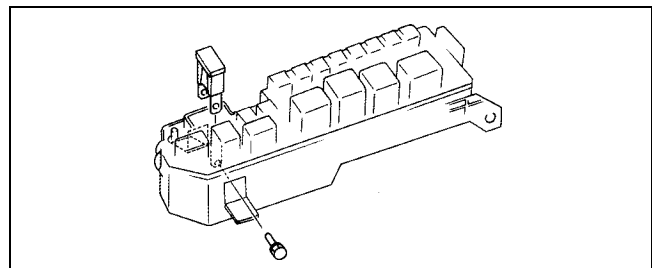
- Handle sensors, switches, and relays carefully. Do not drop them or strike them against other objects.



X3U000WB6

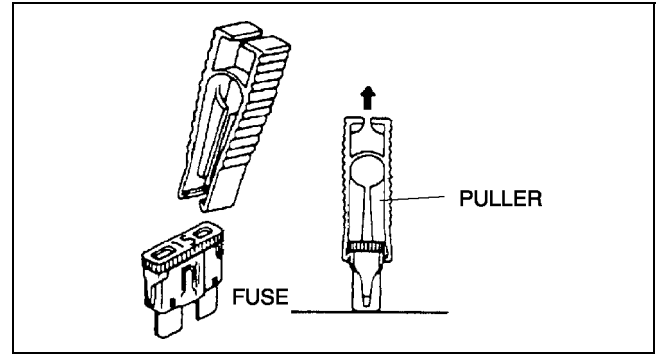
**Fuse****Replacement**

- When replacing a fuse, be sure to replace it with one of the same capacity. If a fuse fails again, the circuit probably has a short and the wiring should be inspected.
- Be sure the negative battery terminal is disconnected before replacing a main fuse.



YMU000WA1

- When replacing a pullout fuse, use the fuse puller.



YMU000WAK

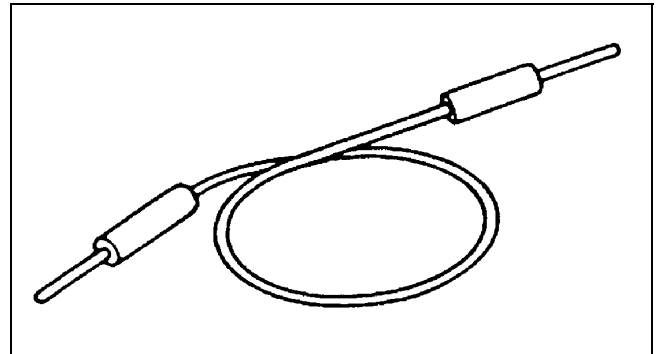
## ELECTRICAL TROUBLESHOOTING TOOLS

### Jumper wire

- A jumper wire is used to create a temporary circuit. Connect the jumper wire between the terminals of a circuit to bypass a switch.

#### Caution

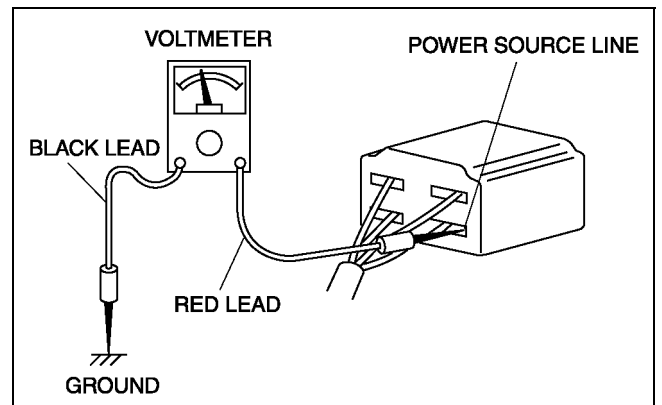
- Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.**



X3U000WBB

### Voltmeter

- The DC voltmeter is used to measure circuit voltage. A voltmeter with a range of **15 V or more** is used by connecting the positive (+) probe (red lead wire) to the point where voltage will be measured and the negative (-) probe (black lead wire) to a body ground.



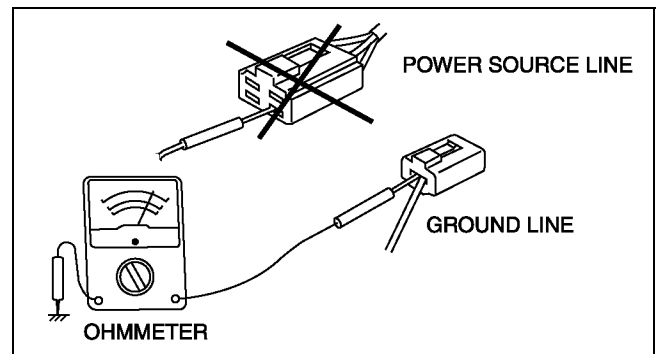
X3U000WBC

### Ohmmeter

- The ohmmeter is used to measure the resistance between two points in a circuit and to inspect for continuity and short circuits.

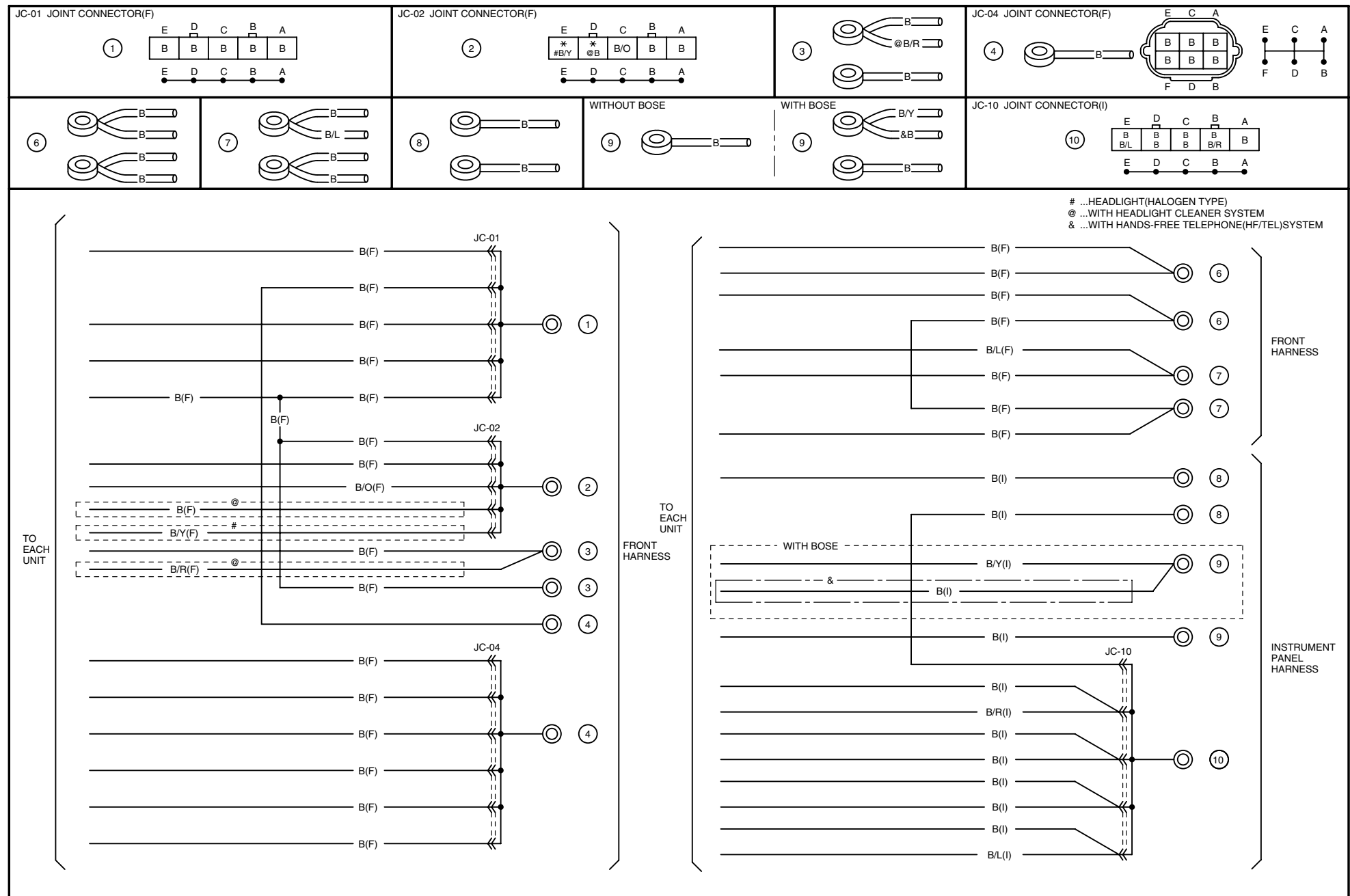
#### Caution

- Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.**

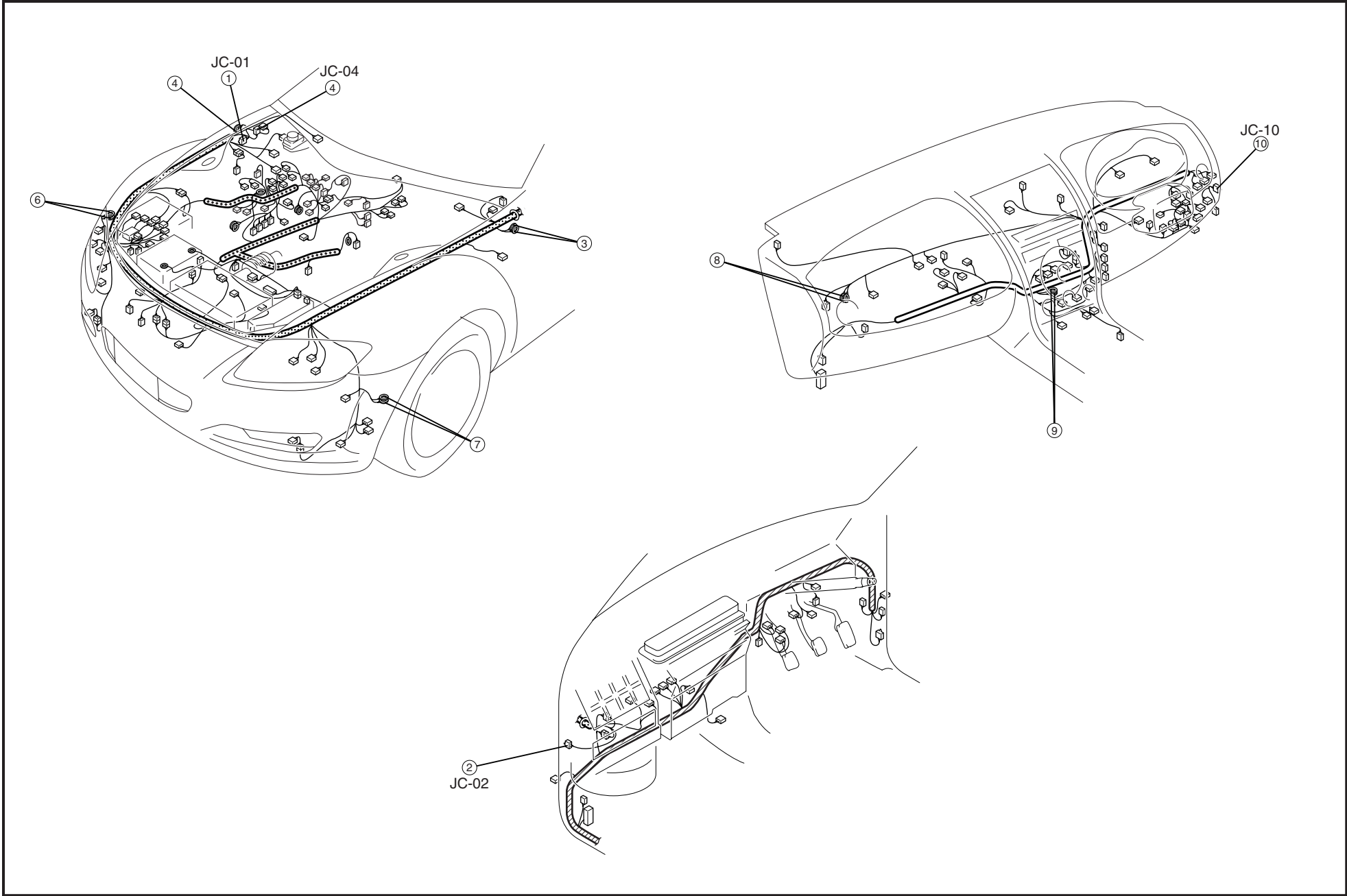


YMU000WAL



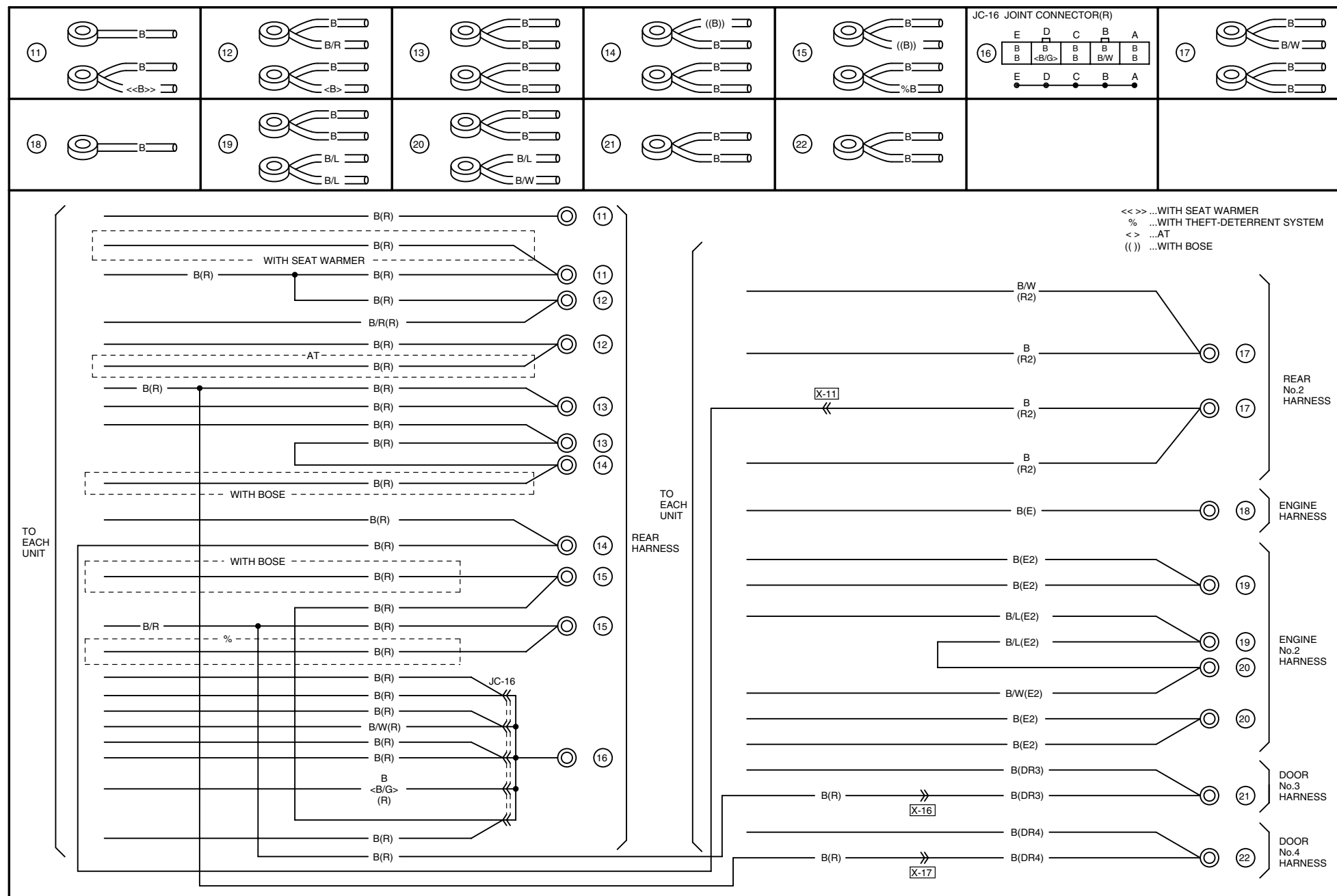





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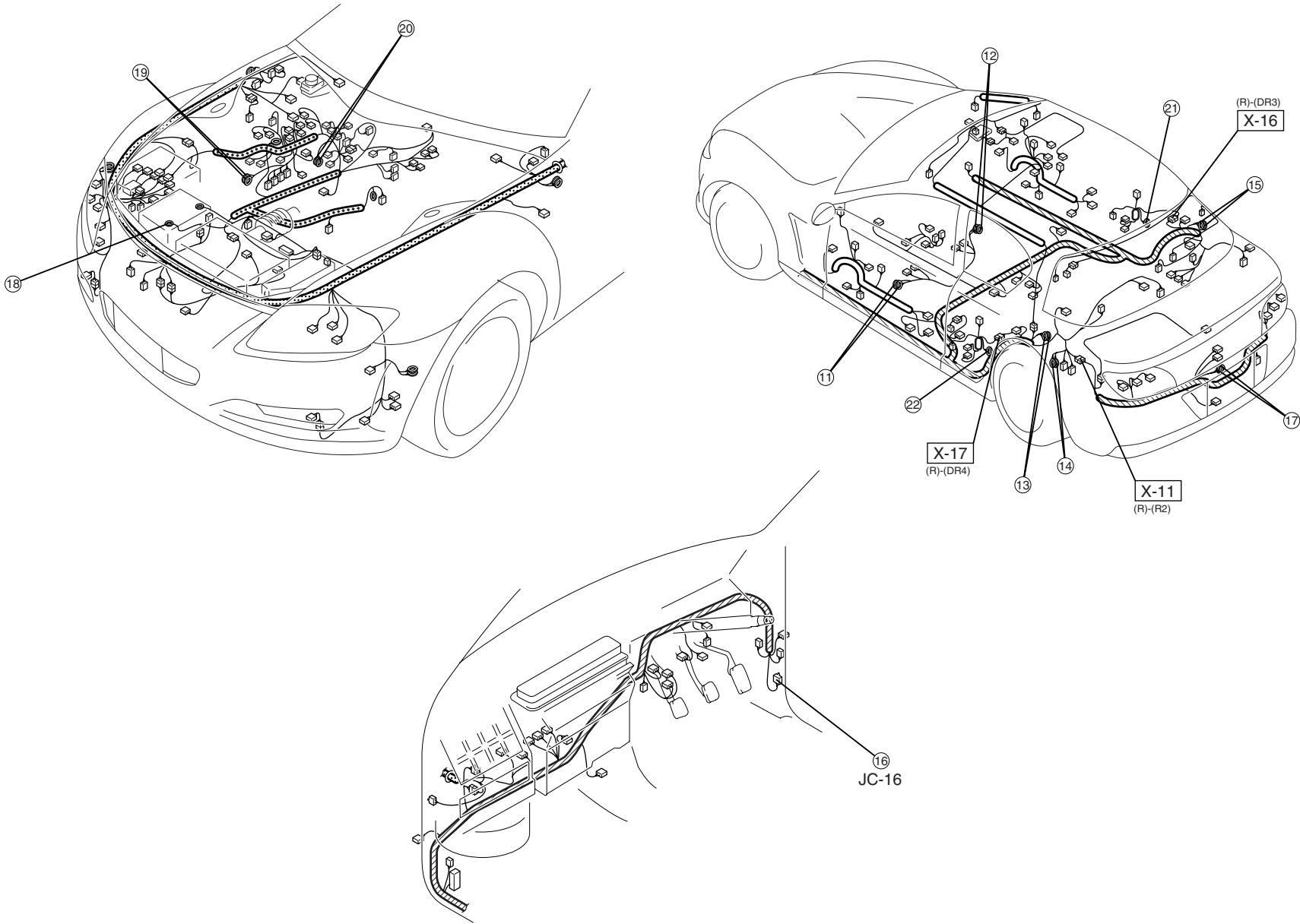


## GROUND POINT

# Y-b

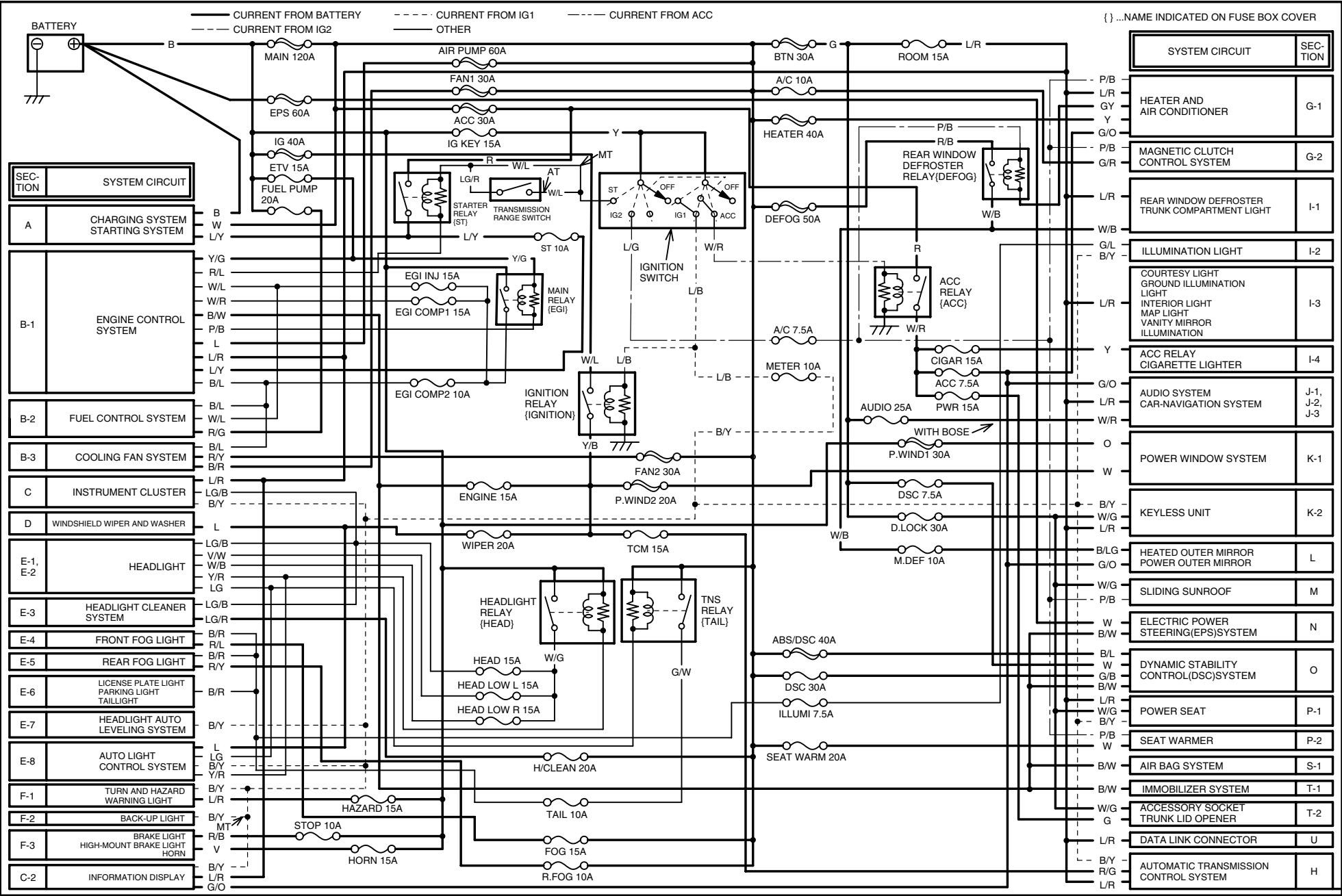


HARNESS SYMBOL:  (F)  (E)  (R)



ELECTRICAL WIRING SCHEMATIC

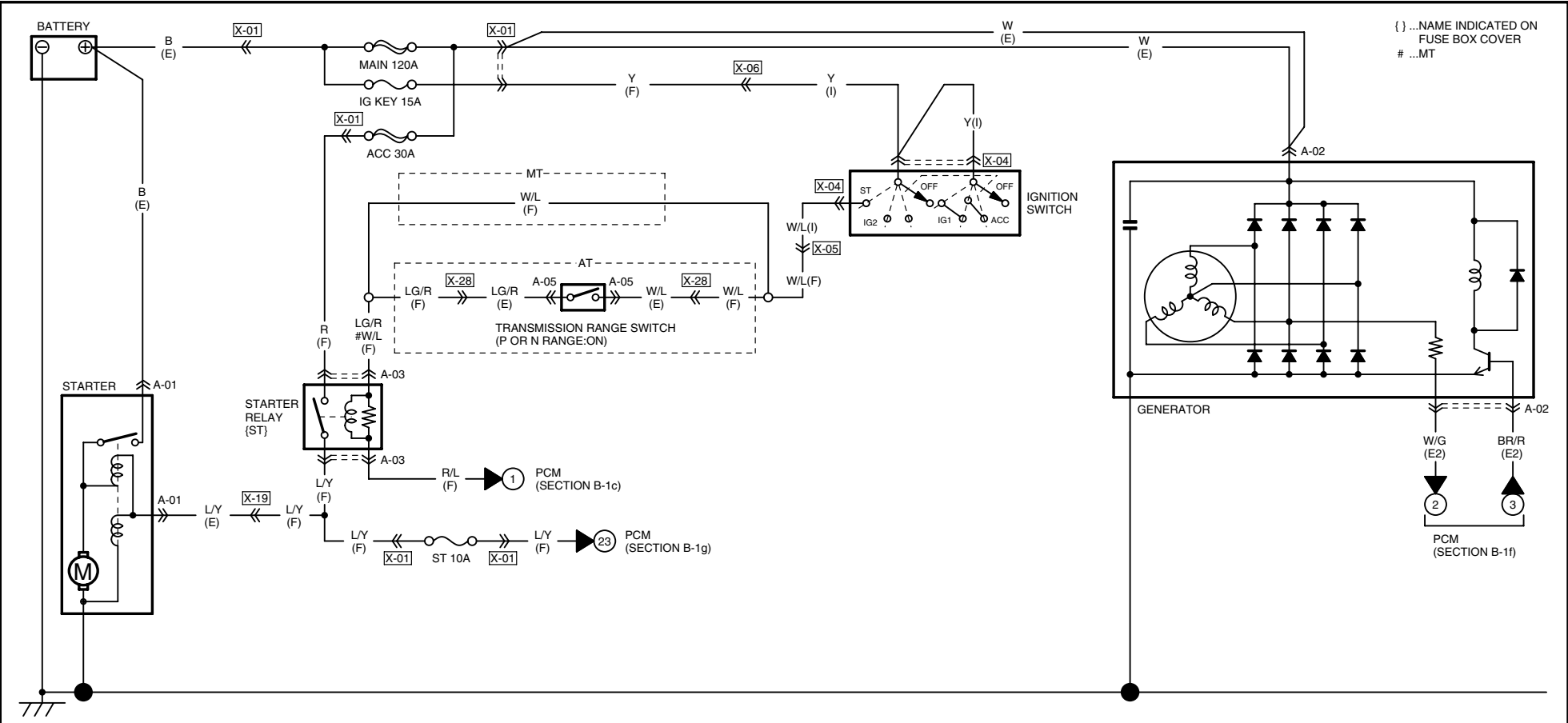
W



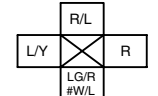
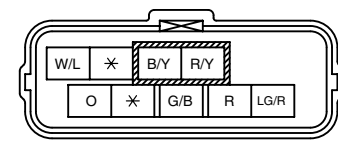


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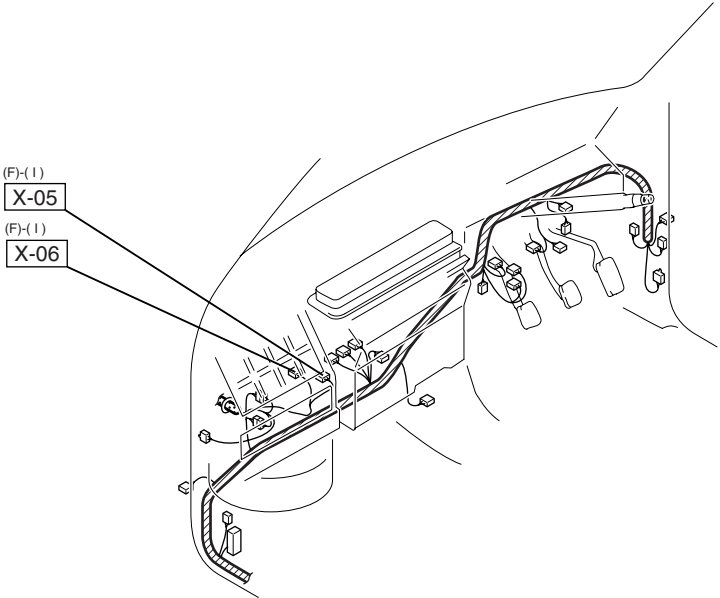
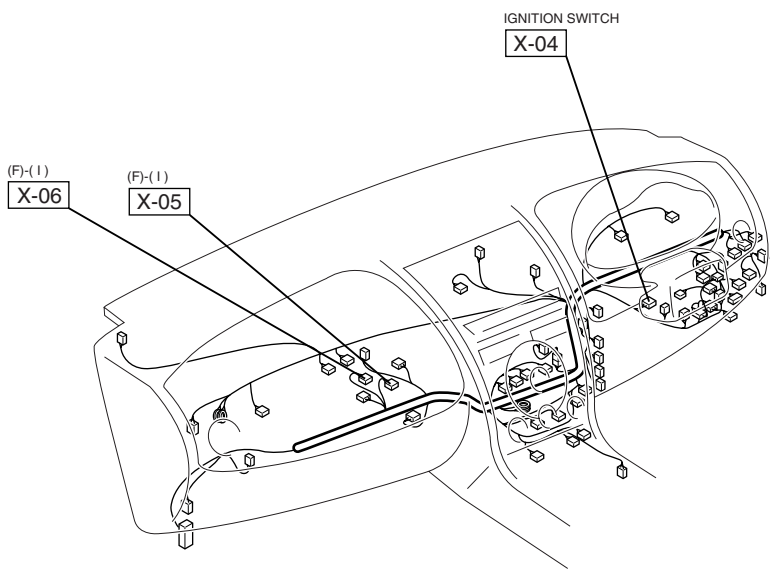
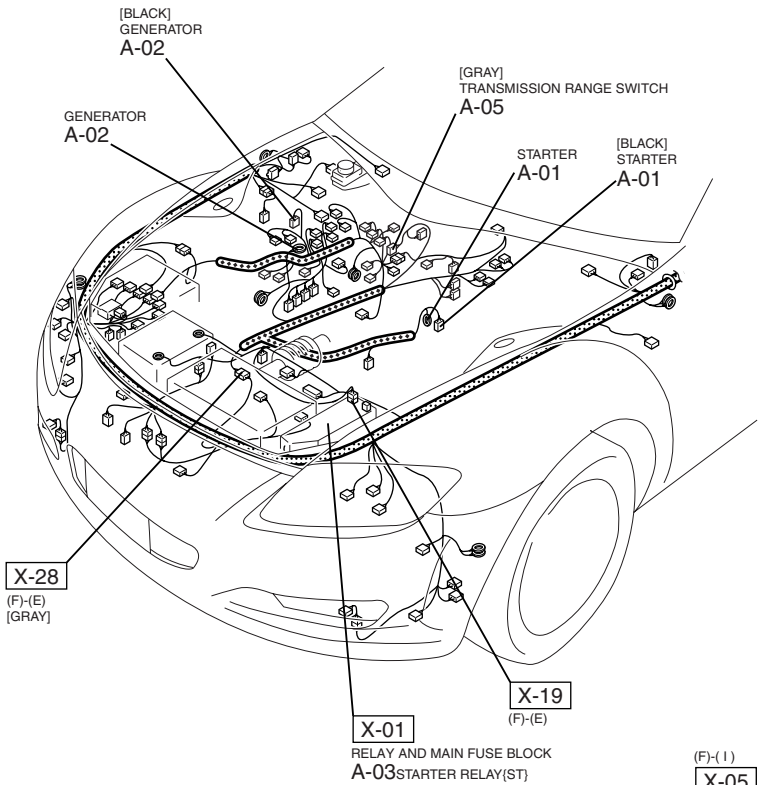
CHARGING SYSTEM / STARTING SYSTEM

A

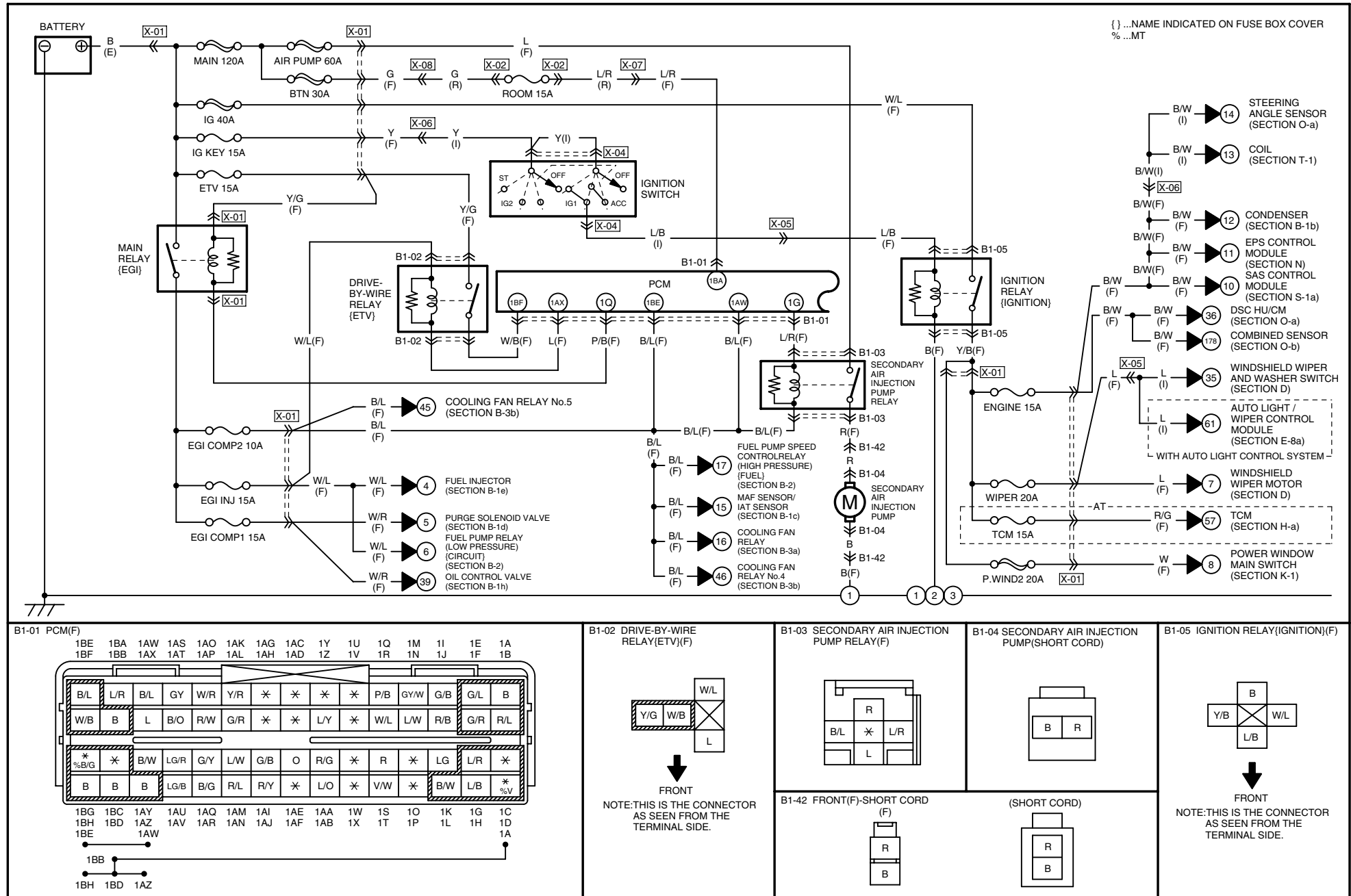


<p>A-01 STARTER(E)</p> 	<p>A-02 GENERATOR (E)</p> 	<p>A-03 STARTER RELAY(ST)(F)</p> 		
<p>A-05 TRANSMISSION RANGE SWITCH(E)</p> 		<p>FRONT</p> <p>NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>		

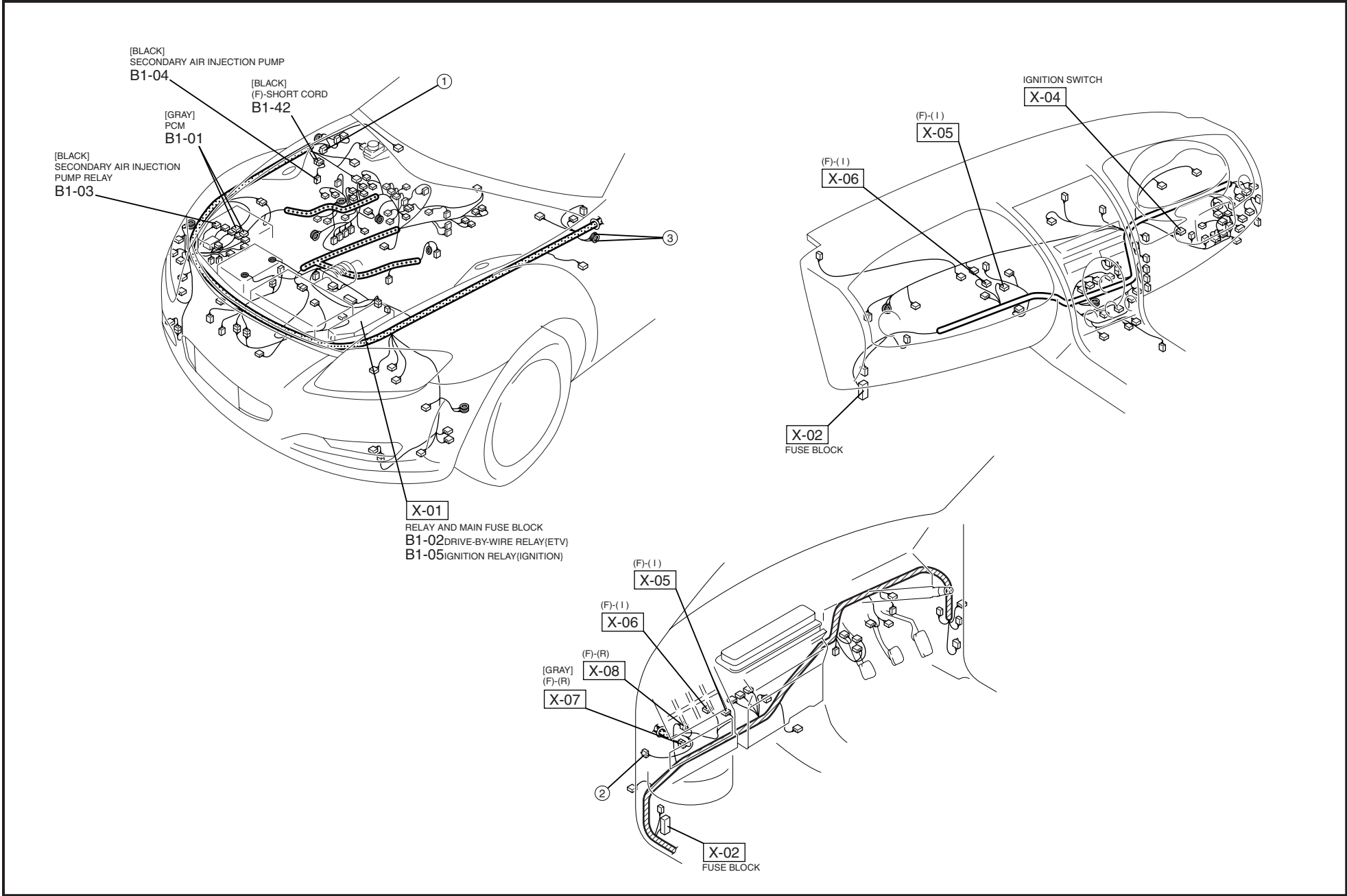
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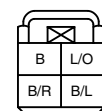




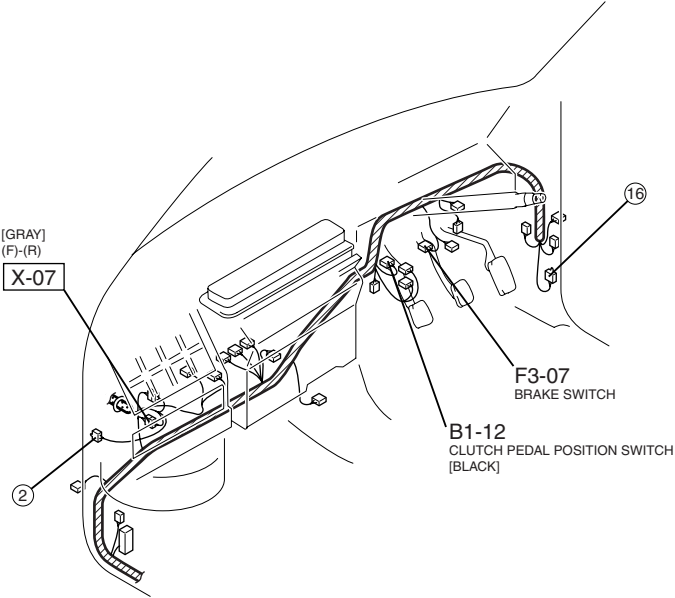
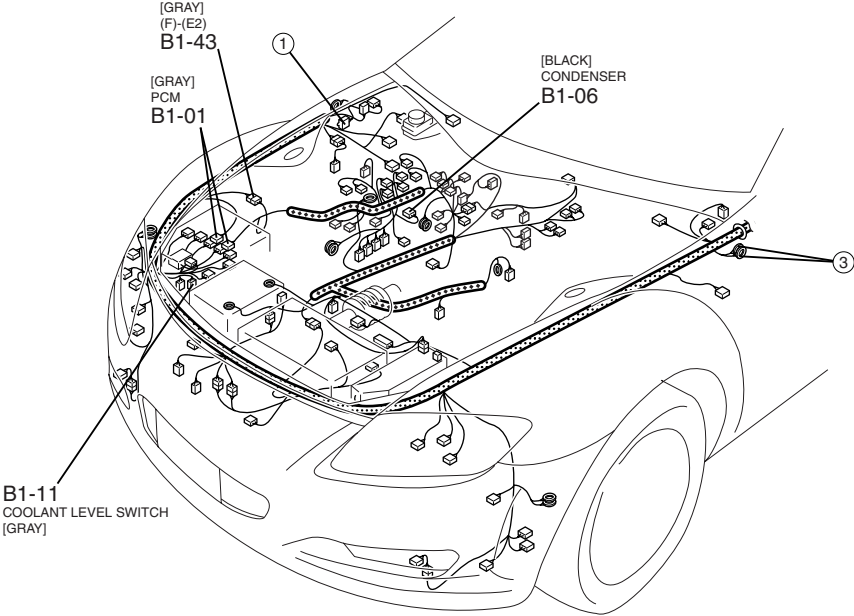


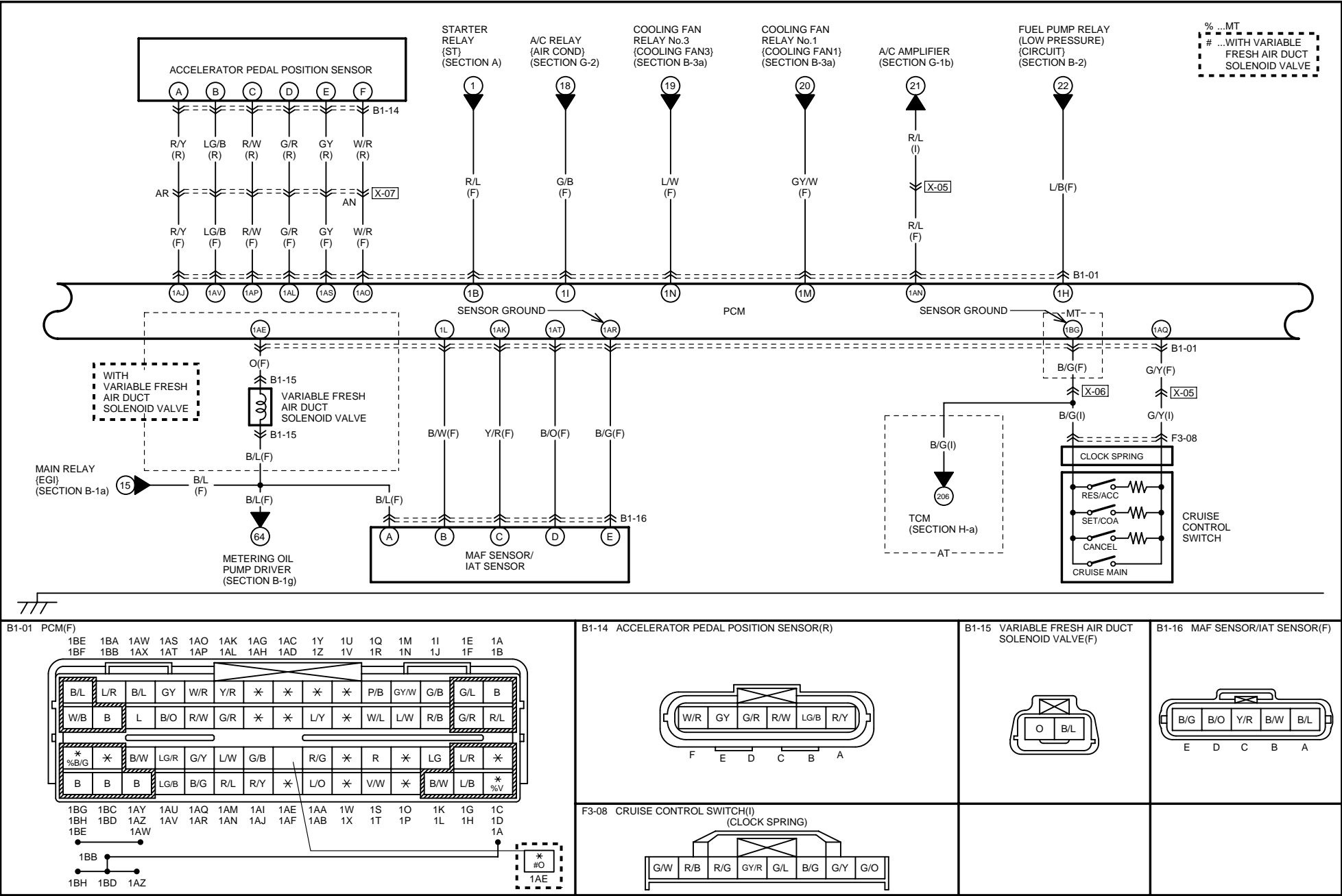
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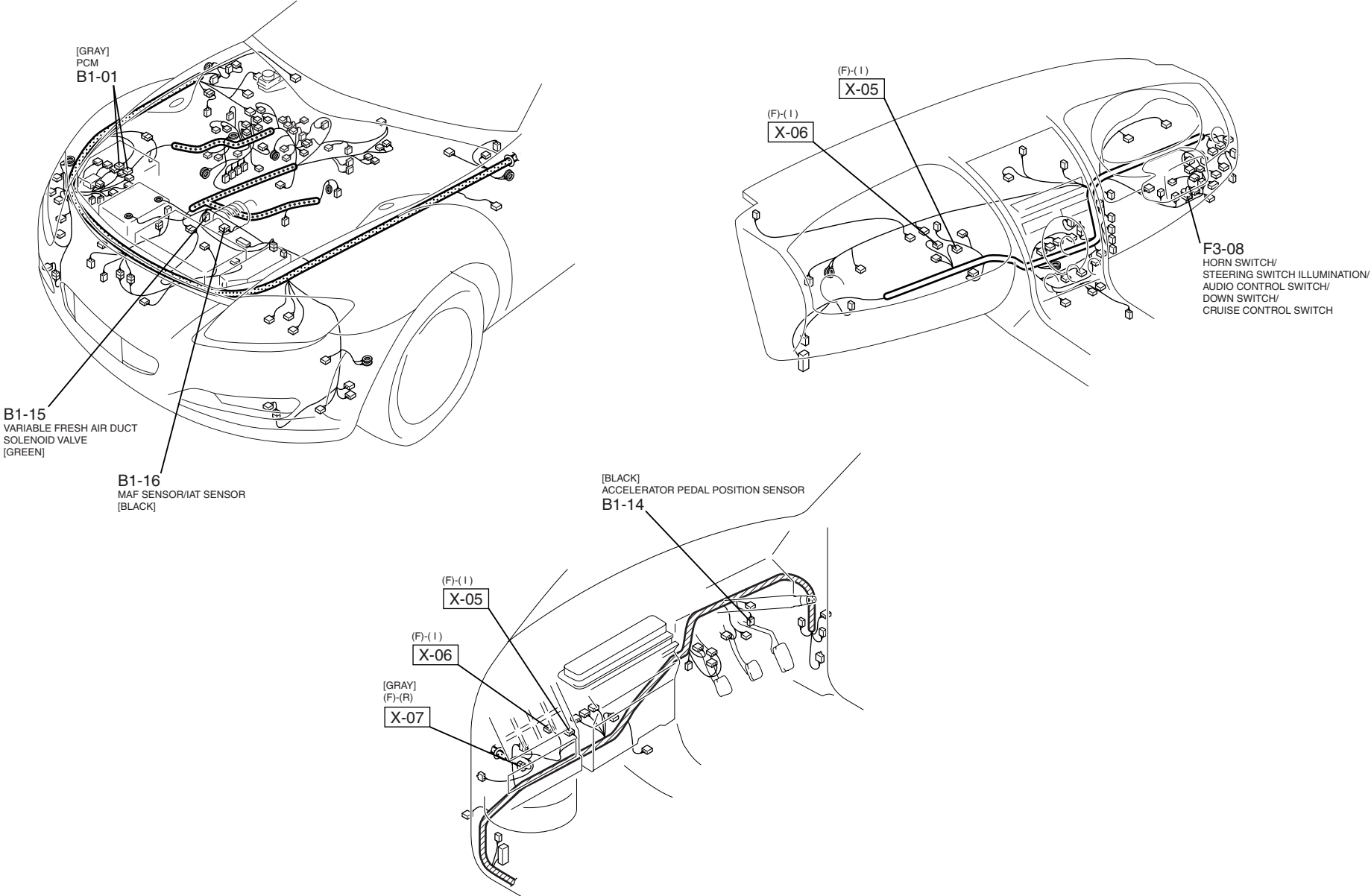


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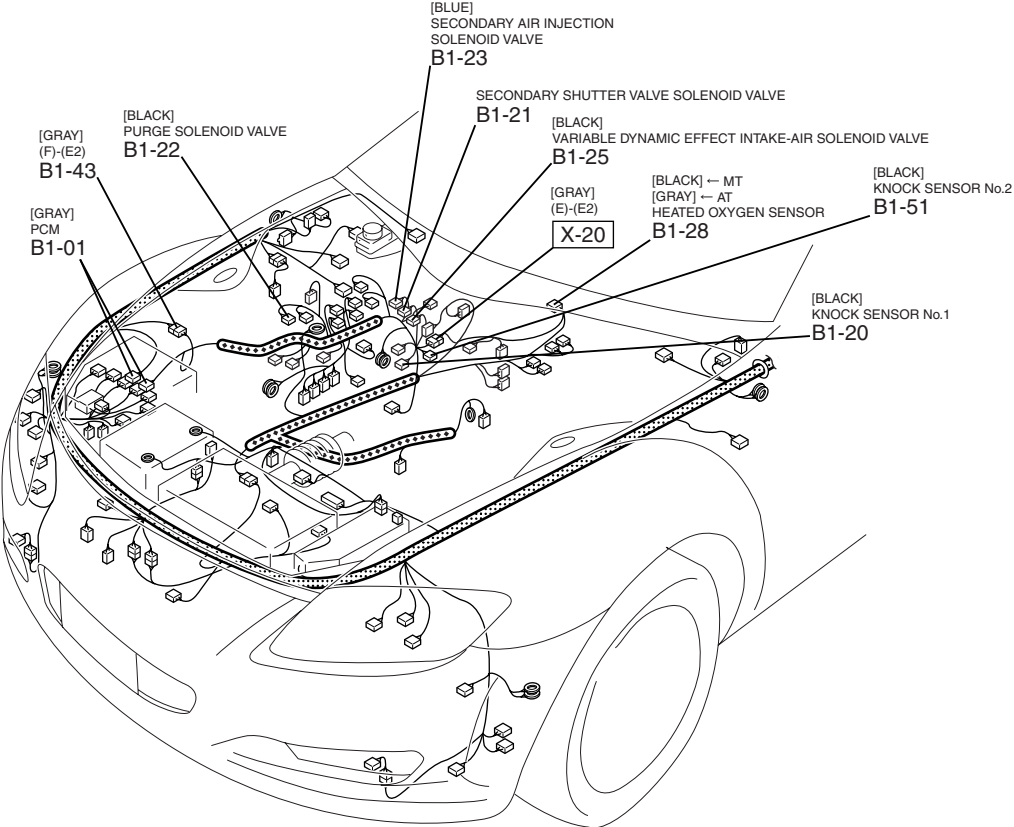


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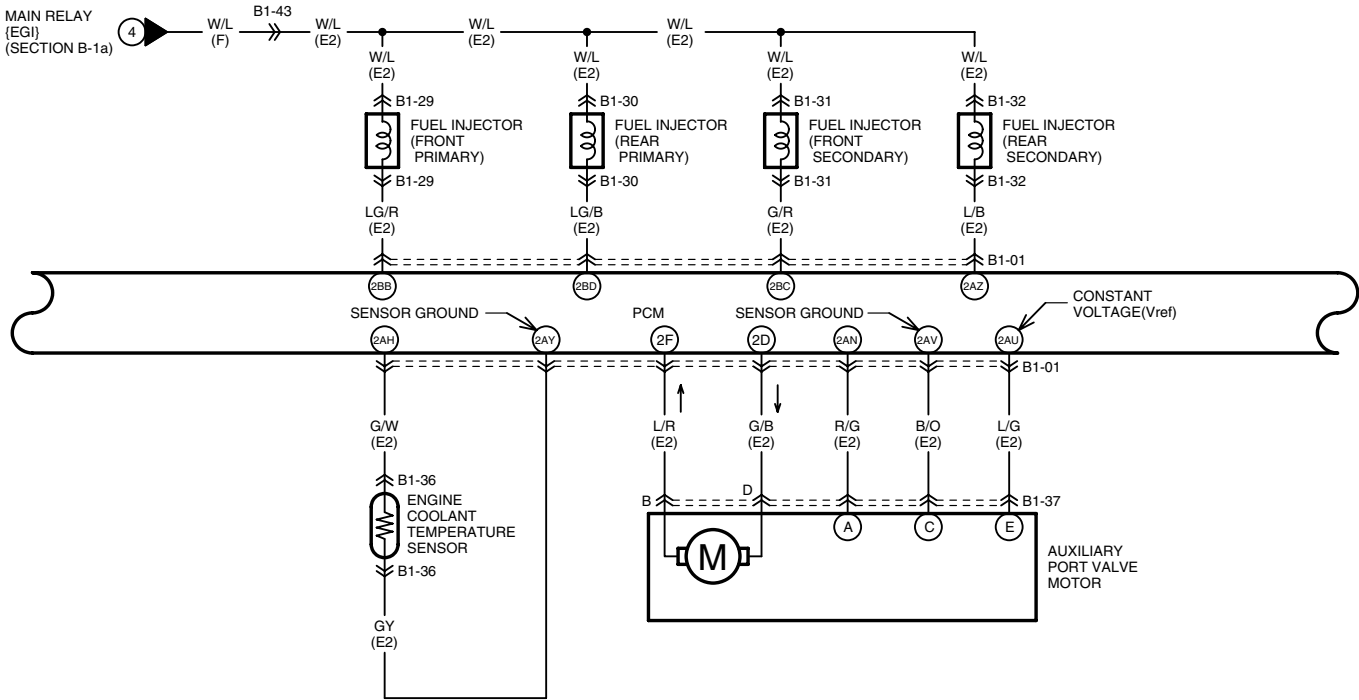




HARNESS SYMBOL:  (F)  (E)  (R)







777

B1-01 PCM(E2)

2BE	2BA	2AW	2AS	2AO	2AK	2AG	2AC	2Y	2U	2Q	2M	2I	2E	2A
2BF	2BB	2AX	2AT	2AP	2AL	2AH	2AD	2Z	2V	2R	2N	2J	2F	2B

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

\* LG/R G Y/G Y/R B/L G/W V P Y/B G \* \* L/R R

L/O G/R GY L/G \* \* BR/R \* R/W \* \* \* \* R/L R/Y

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

2BG	2BC	2AY	2AU	2AQ	2AM	2AI	2AE	2AA	2W	2S	2O	2K	2G	2C
2BH	2BD	2AZ	2AV	2AR	2AN	2AJ	2AF	2AB	2X	2T	2P	2L	2H	2D

B1-29 FUEL INJECTOR (FRONT PRIMARY)(E2)

LG/R W/L

B1-36 ENGINE COOLANT TEMPERATURE SENSOR(E2)

GY G/W

B1-30 FUEL INJECTOR (REAR PRIMARY)(E2)

LG/B W/L

B1-37 AUXILIARY PORT VALVE MOTOR(E2)

E C A

L/G B/O R/G

G/B L/R

D B

B1-31 FUEL INJECTOR (FRONT SECONDARY)(E2)

G/R W/L

B1-43 FRONT(F)-ENGINE No.2(E2)

F

W/L B/W W/R

G/L W/R G/R

D

B1-32 FUEL INJECTOR (REAR SECONDARY)(E2)

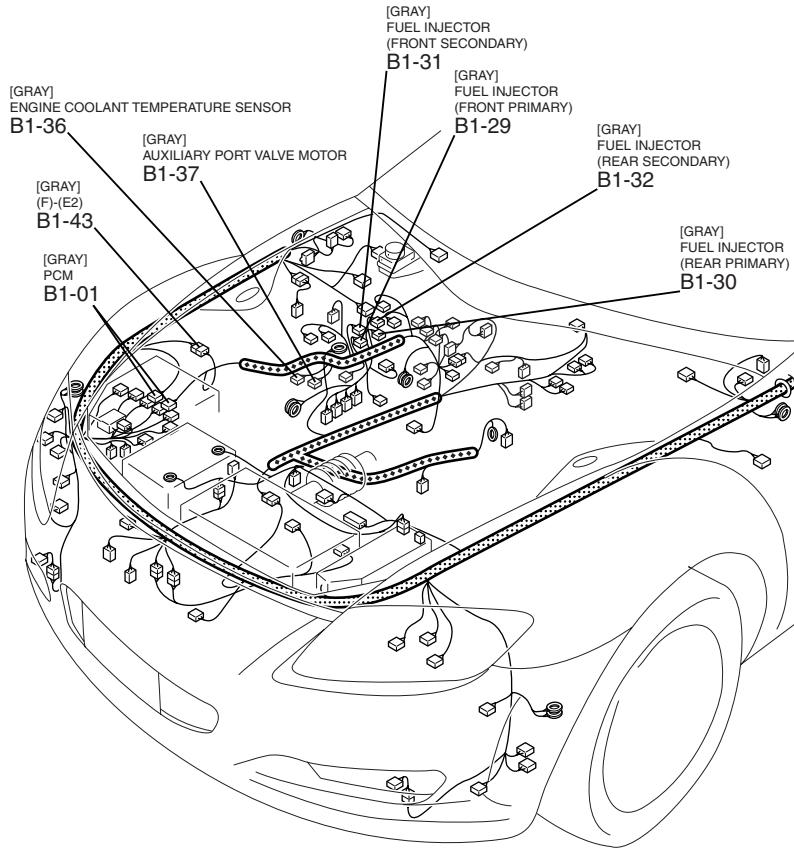
L/B W/L

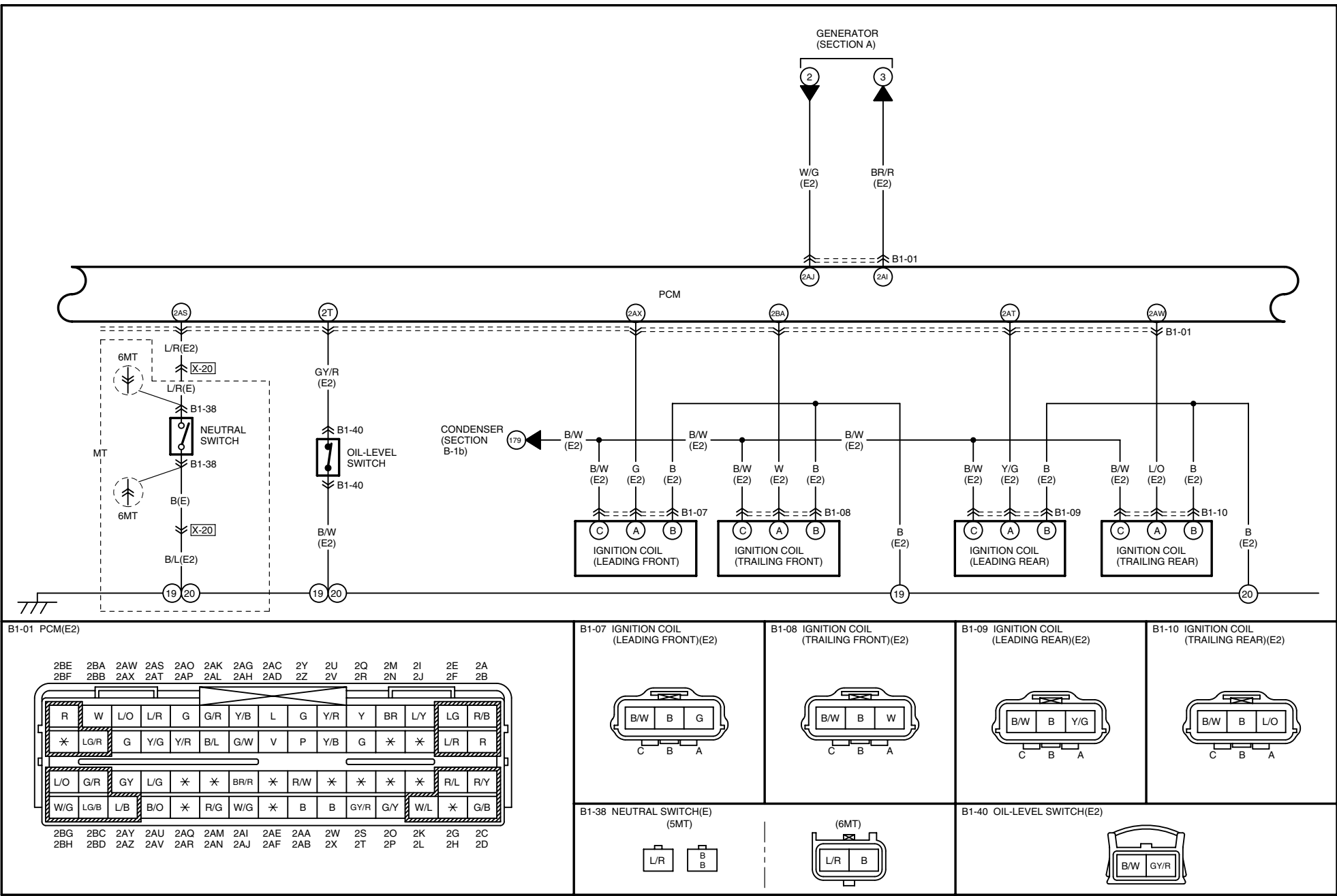
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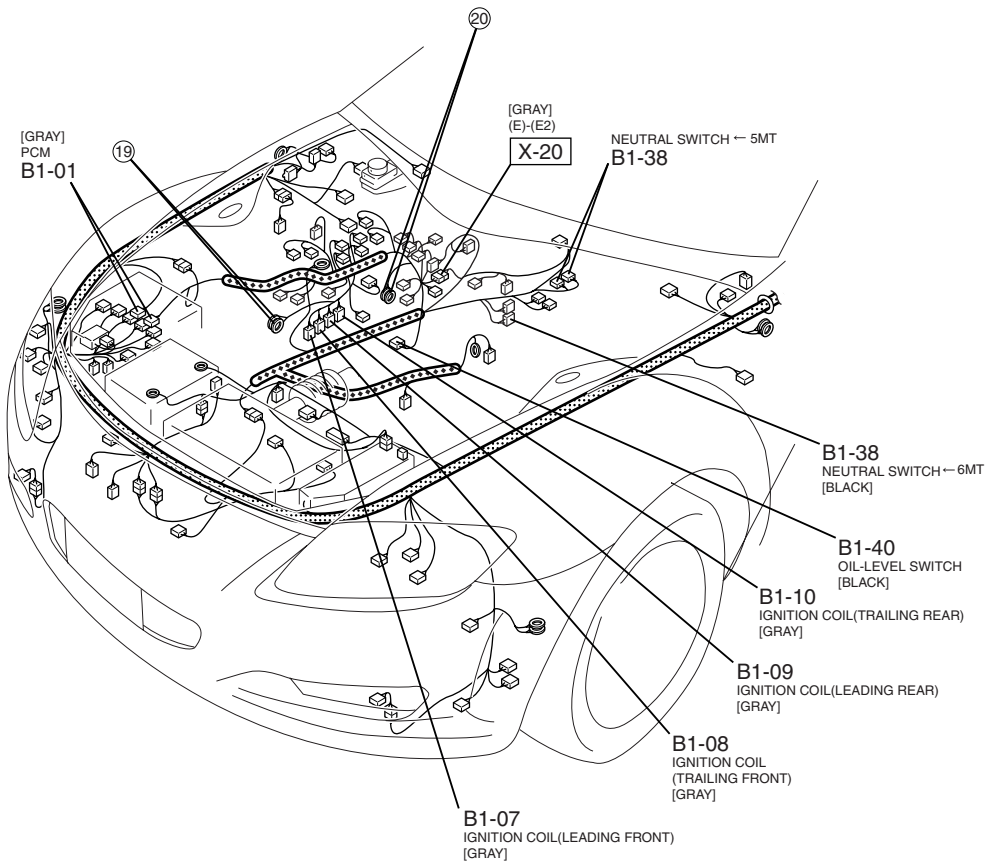
W/R B/W W/L

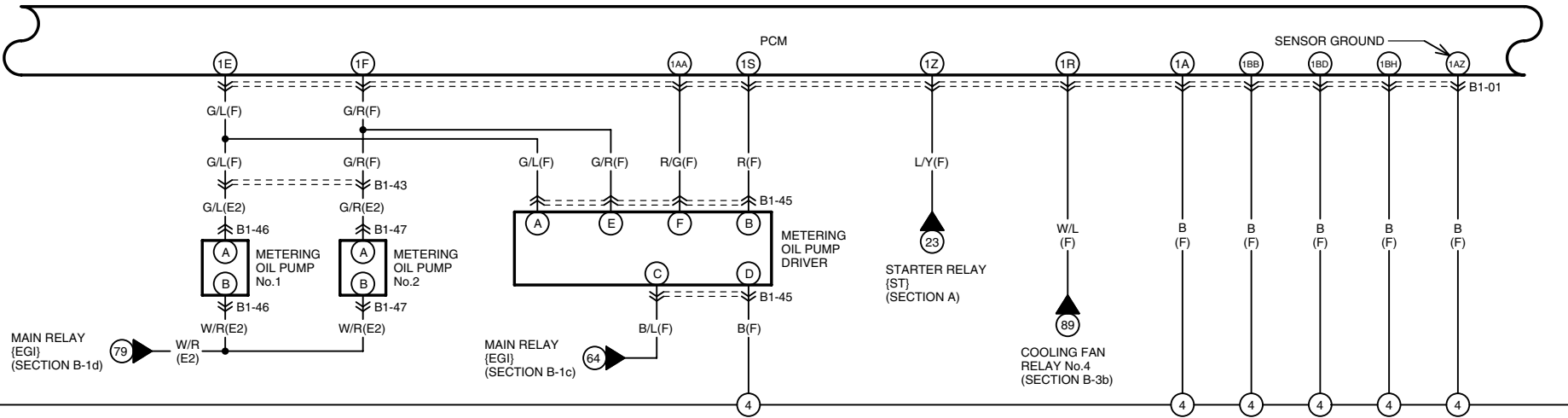
G/R W/B G/L

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

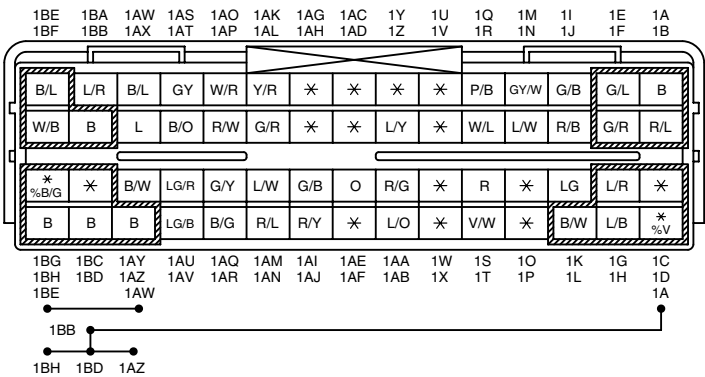




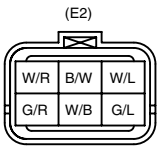
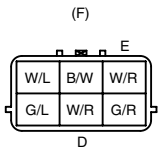




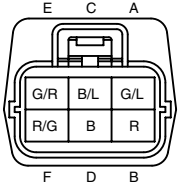
B1-01 PCM(F)



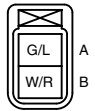
B1-43 FRONT(F)-ENGINE No.2(E2)



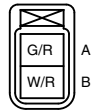
B1-45 METERING OIL PUMP DRIVER(F)



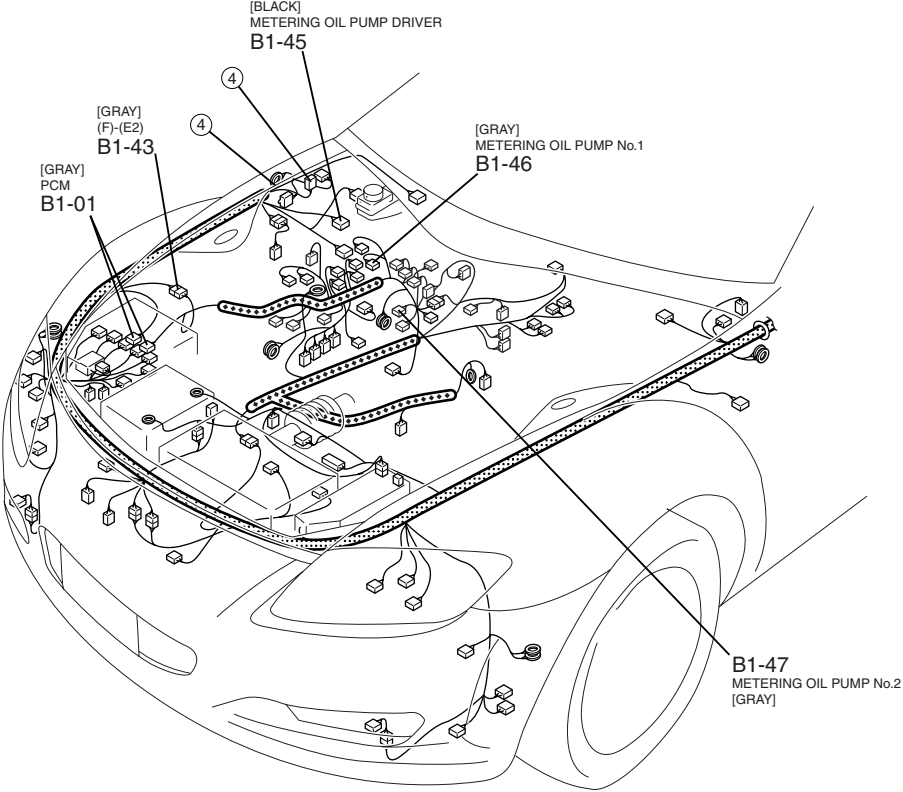
B1-46 METERING OIL PUMP No.1(E2)

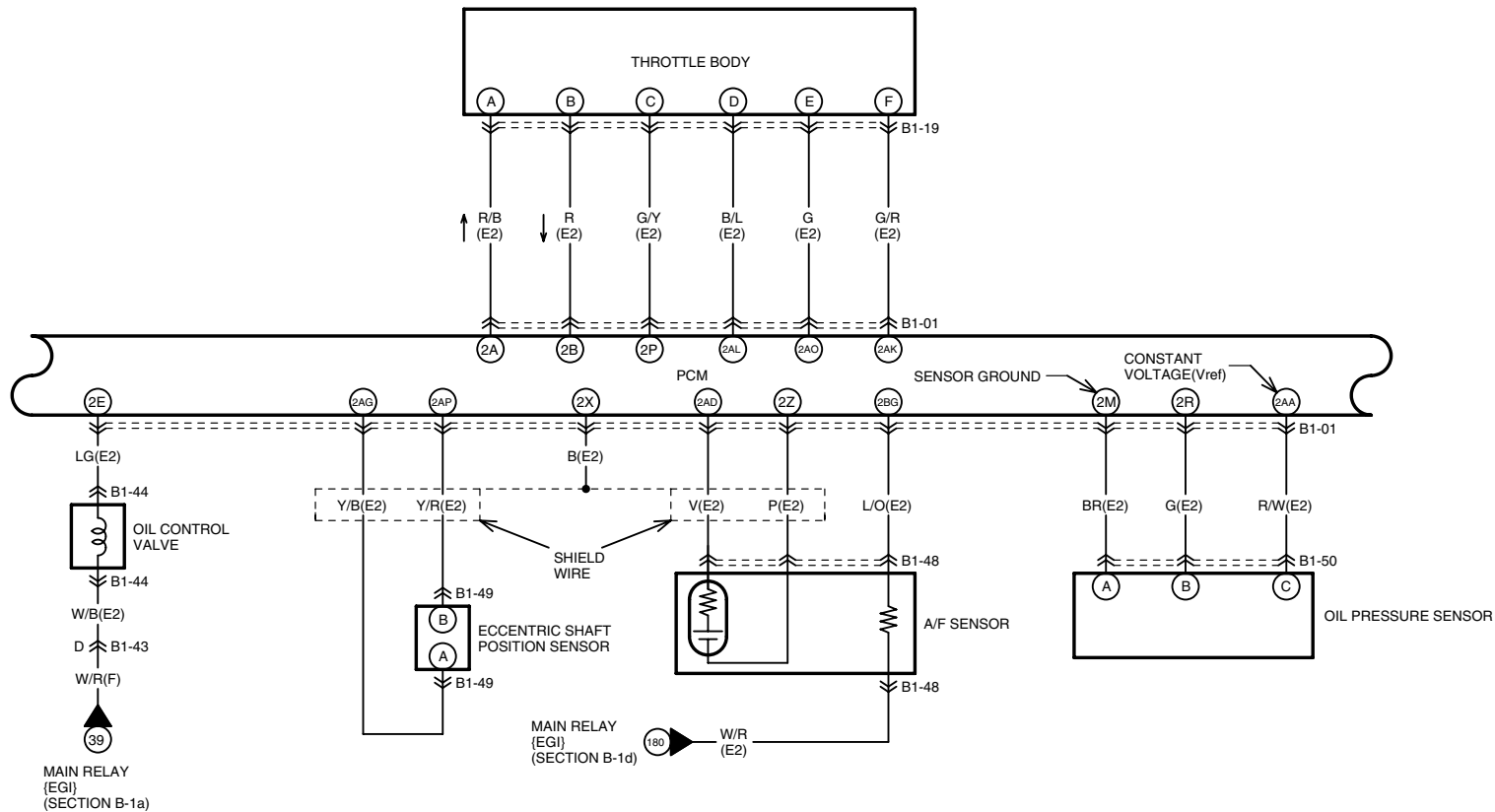


B1-47 METERING OIL PUMP No.2(E2)

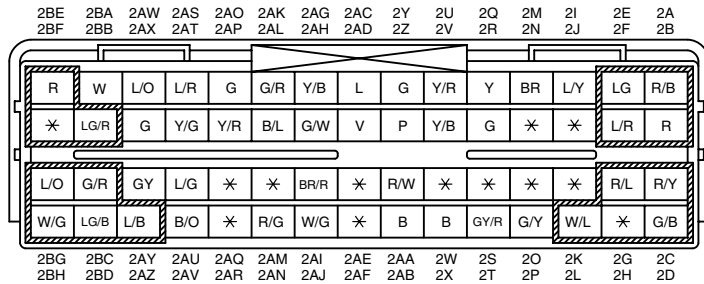


HARNESS SYMBOL:  (F)  (E)  (R)

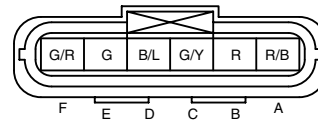




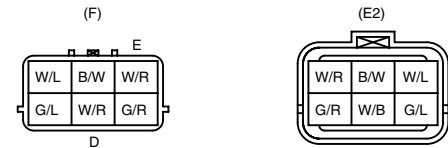
B1-01 PCM(E2)



B1-19 THROTTLE BODY(E2)



B1-43 FRONT(F)-ENGINE No2(E2)



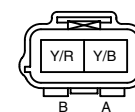
B1-44 OIL CONTROL VALVE(E2)



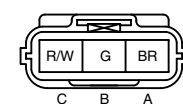
B1-48 A/F SENSOR(E2)



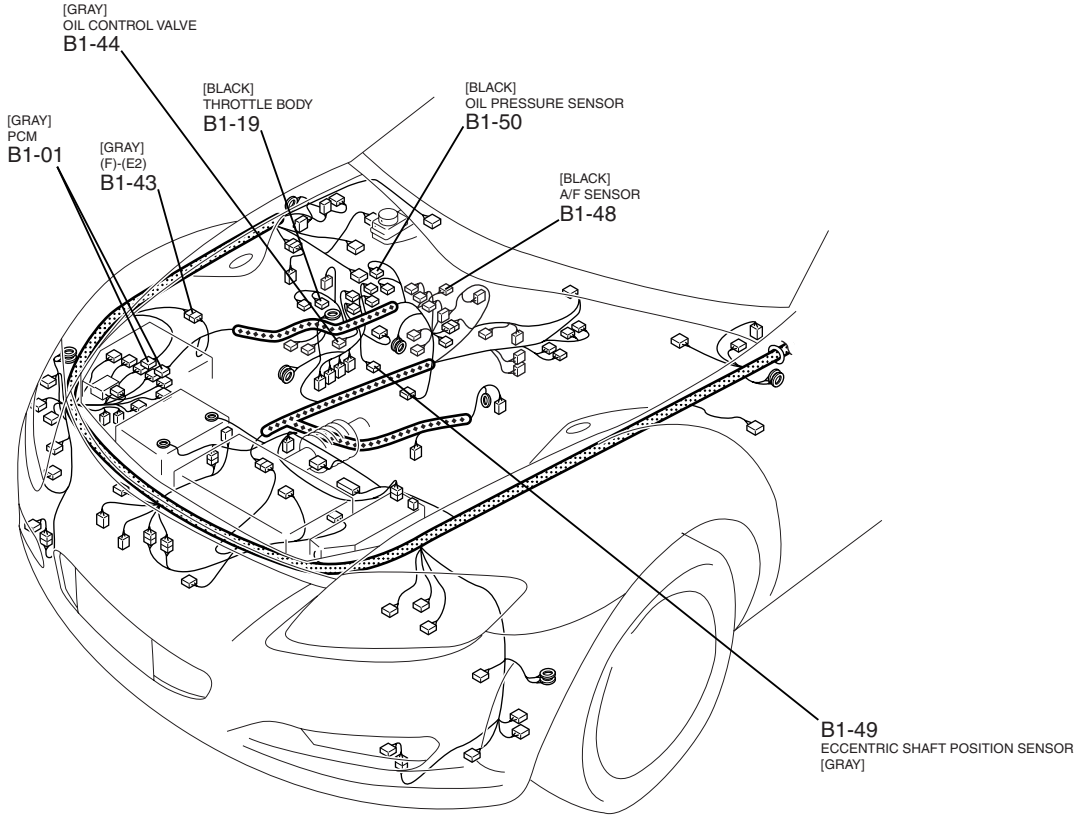
B1-49 ECCENTRIC SHAFT POSITION SENSOR(E2)



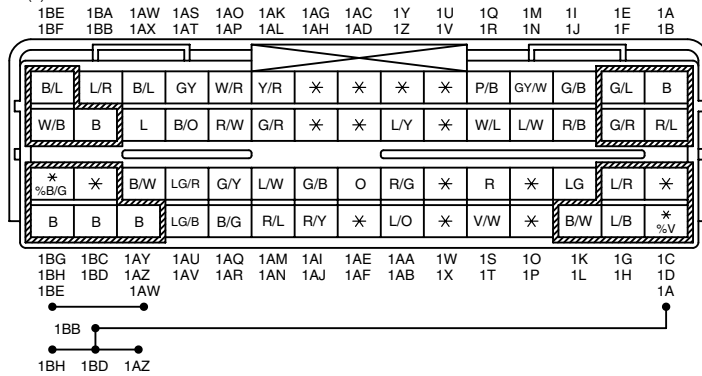
B1-50 OIL PRESSURE SENSOR(E2)



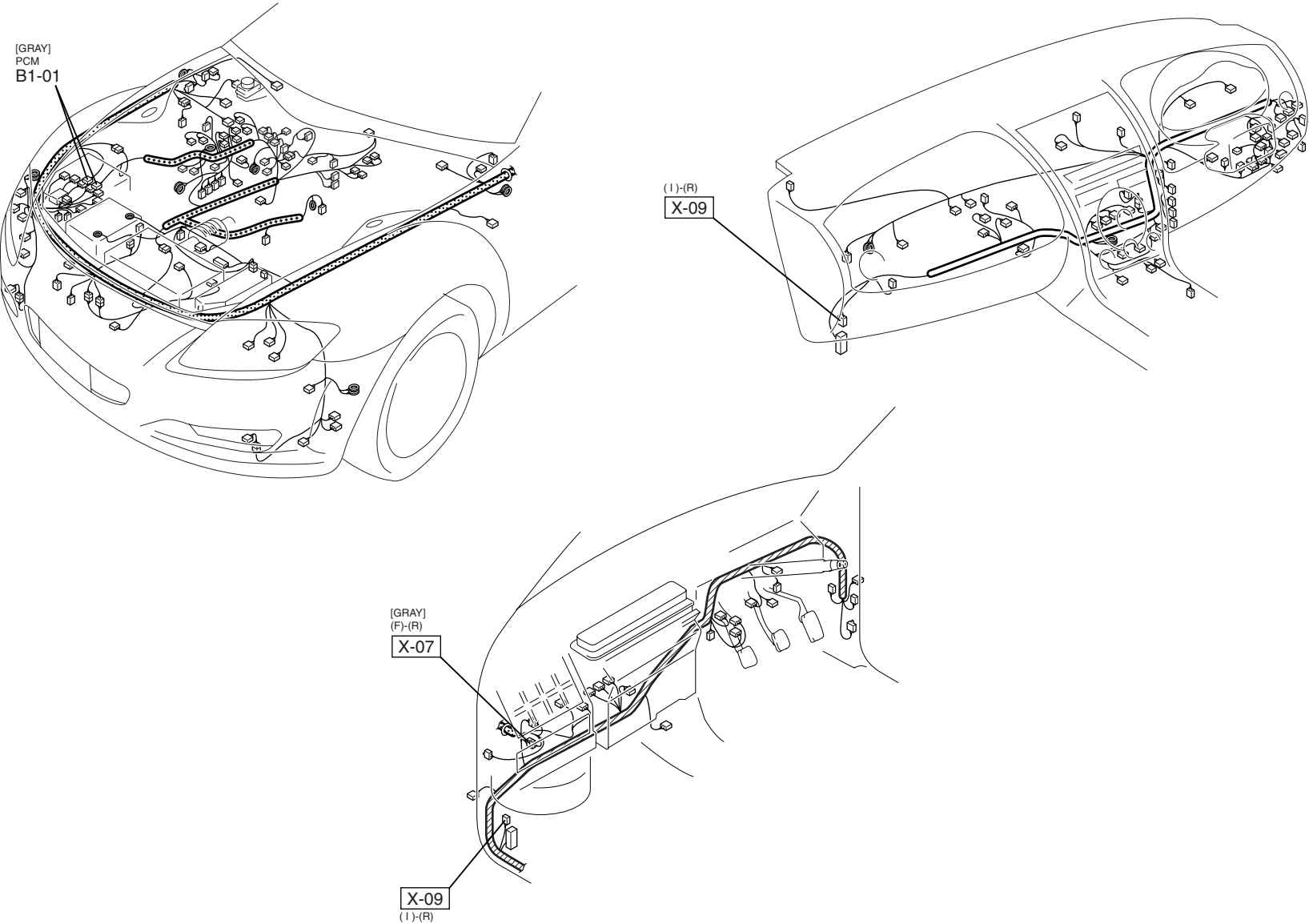
HARNESS SYMBOL:  (F)  (E)  (R)

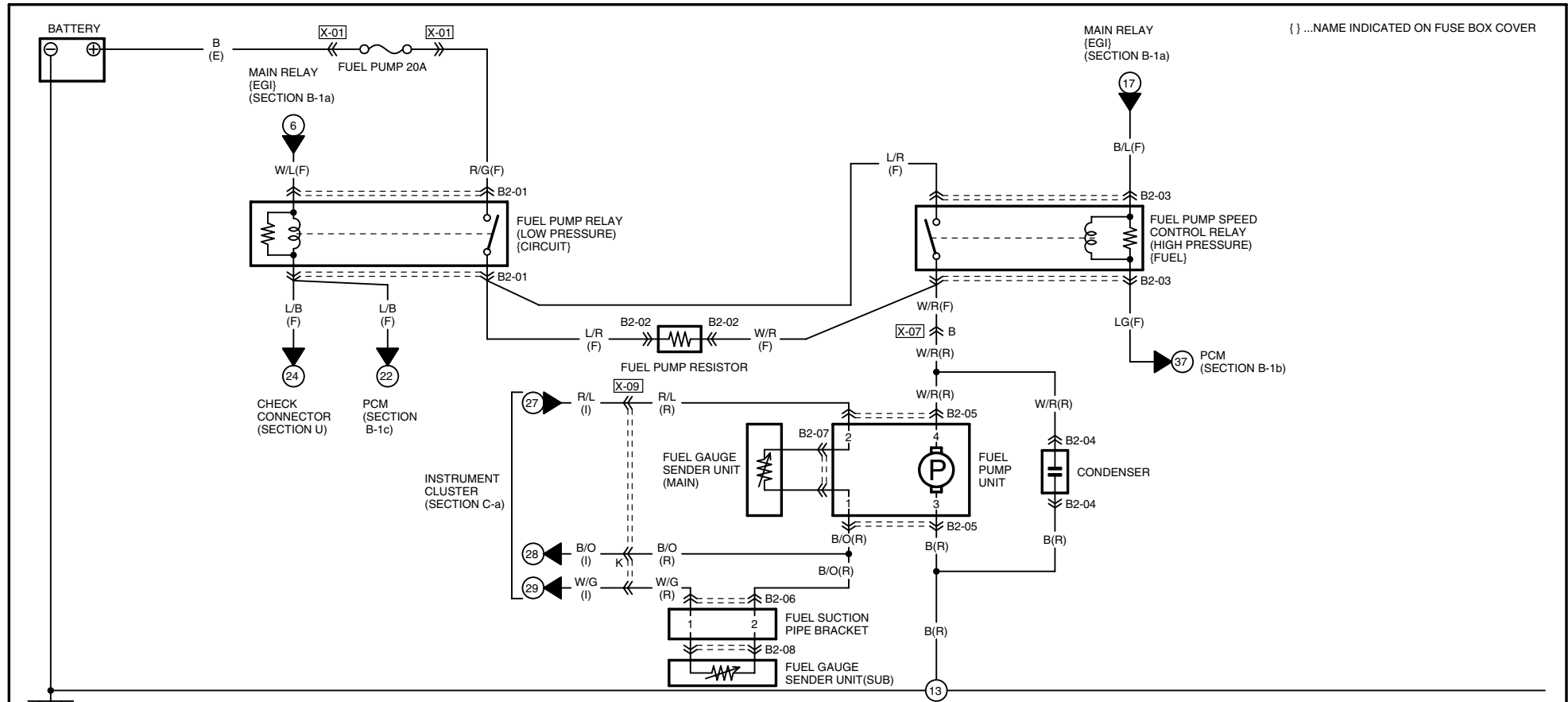






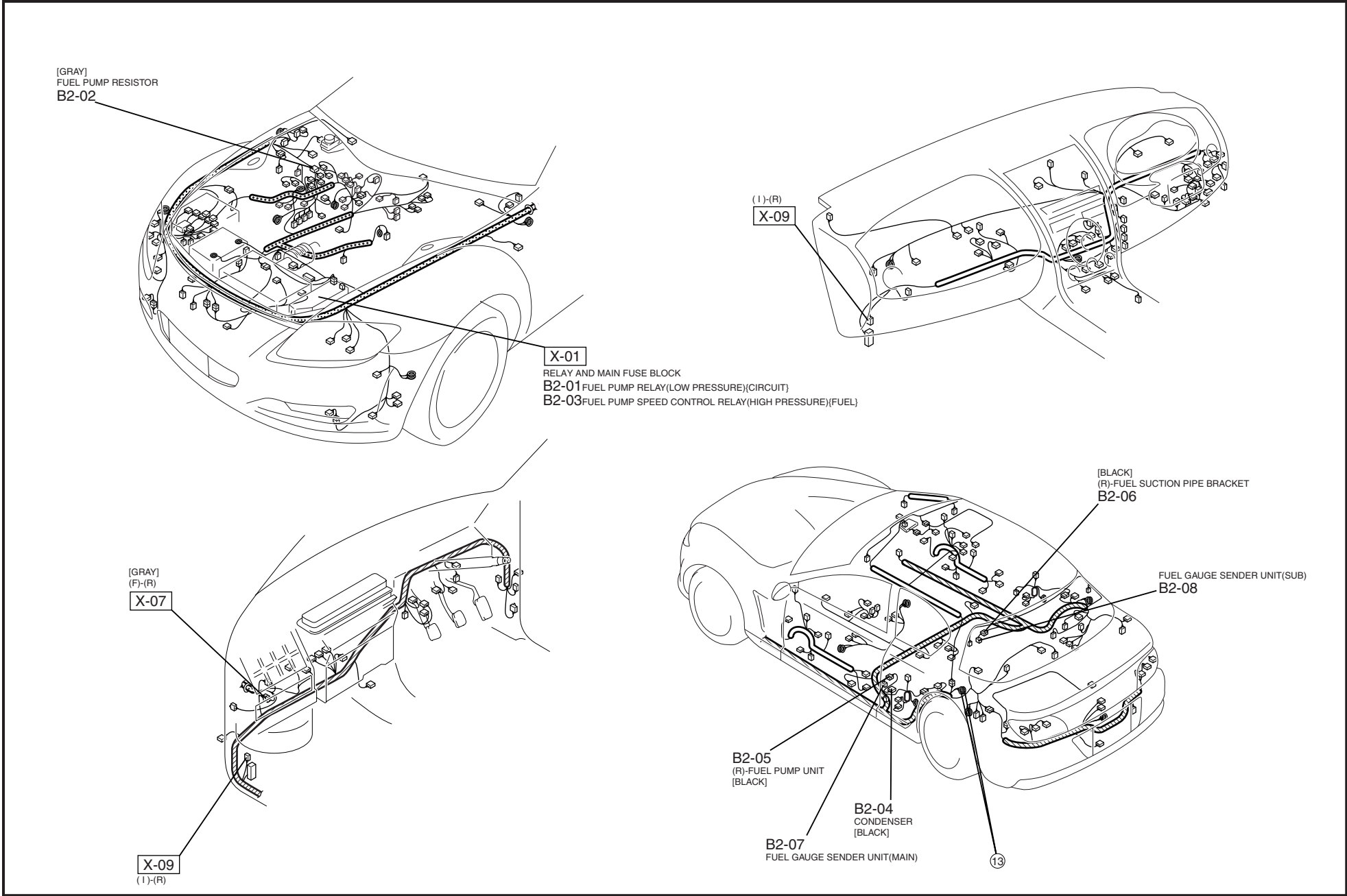

HARNESS SYMBOL:  (F)  (E)  (R)





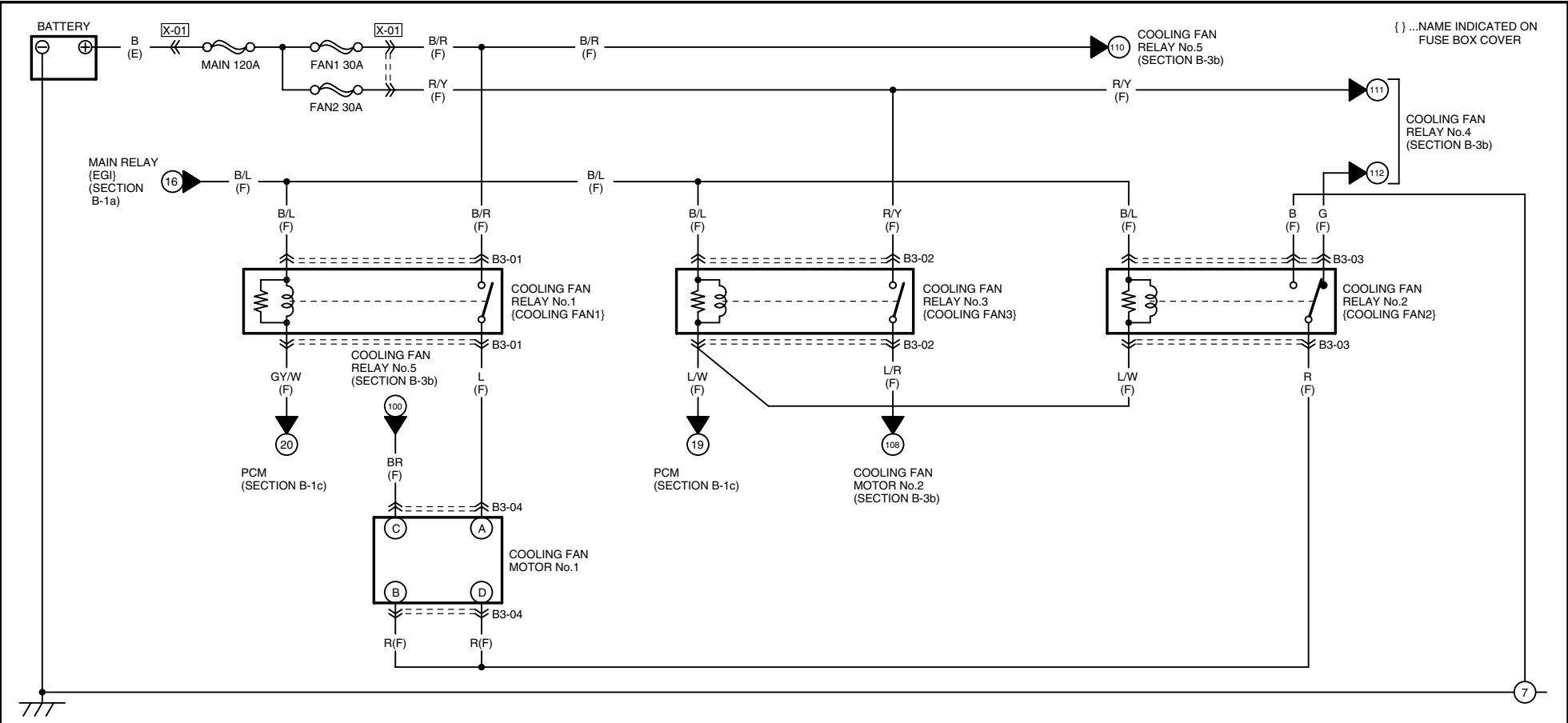
<p>B2-01 FUEL PUMP RELAY (LOW PRESSURE) (CIRCUIT)(F)</p> <p>FRONT</p> <p>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>	<p>B2-02 FUEL PUMP RESISTOR(F)</p>	<p>B2-03 FUEL PUMP SPEED CONTROL RELAY(HIGH PRESSURE) (FUEL)(F)</p> <p>FRONT</p> <p>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>	<p>B2-05 REAR(R)-FUEL PUMP UNIT</p> <p>(FUEL PUMP UNIT)</p> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p> <p>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>	<p>B2-06 REAR(R)-FUEL SUCTION PIPE BRACKET</p> <p>(FUEL SUCTION PIPE BRACKET)</p> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p> <p>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>
<p>B2-04 CONDENSER(R)</p>	<p>B2-07 FUEL GAUGE SENDER UNIT(MAIN) (FUEL PUMP UNIT)</p> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p> <p>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>	<p>B2-08 FUEL GAUGE SENDER UNIT(SUB) (FUEL SUCTION PIPE BRACKET)</p> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p> <p>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>		

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

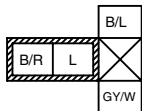


COOLING FAN SYSTEM

B-3a



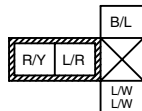
B3-01 COOLING FAN RELAY No.1 (COOLING FAN1)(F)



FRONT

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

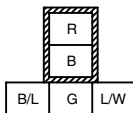
B3-02 COOLING FAN RELAY No.3 (COOLING FAN3)(F)



FRONT

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

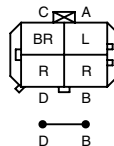
B3-03 COOLING FAN RELAY No.2 (COOLING FAN2)(F)



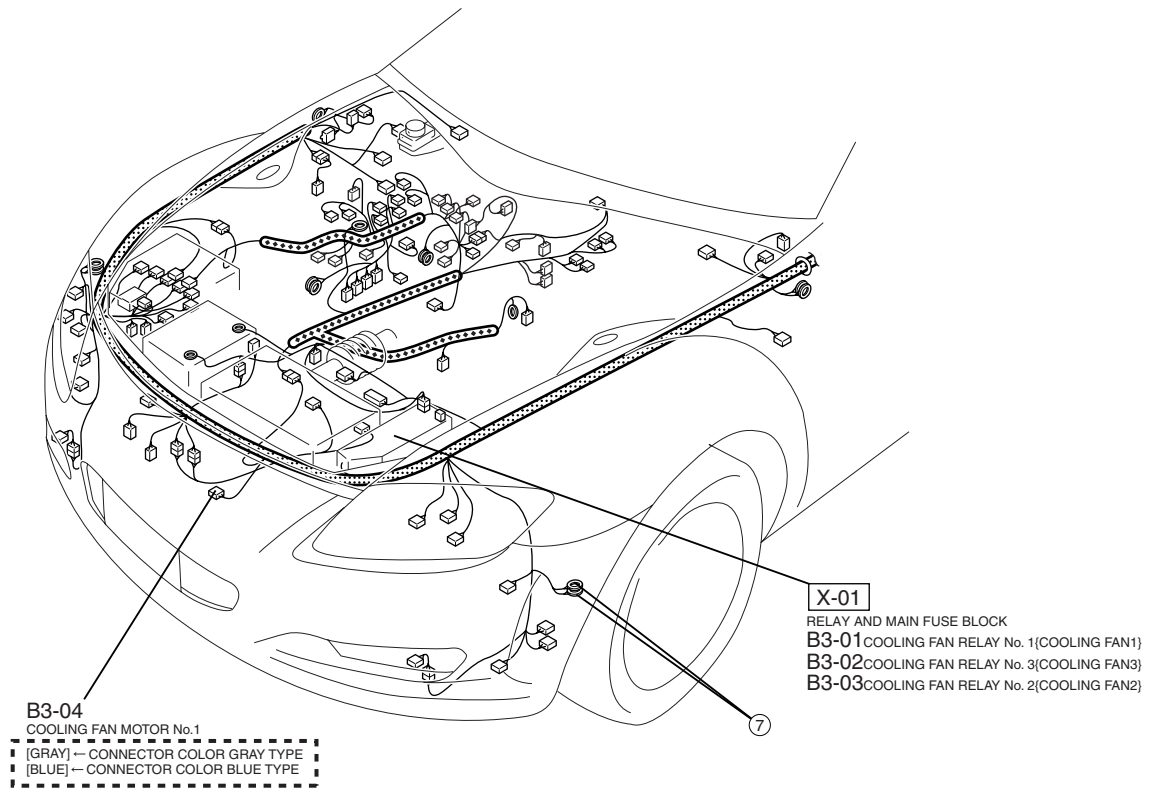
FRONT

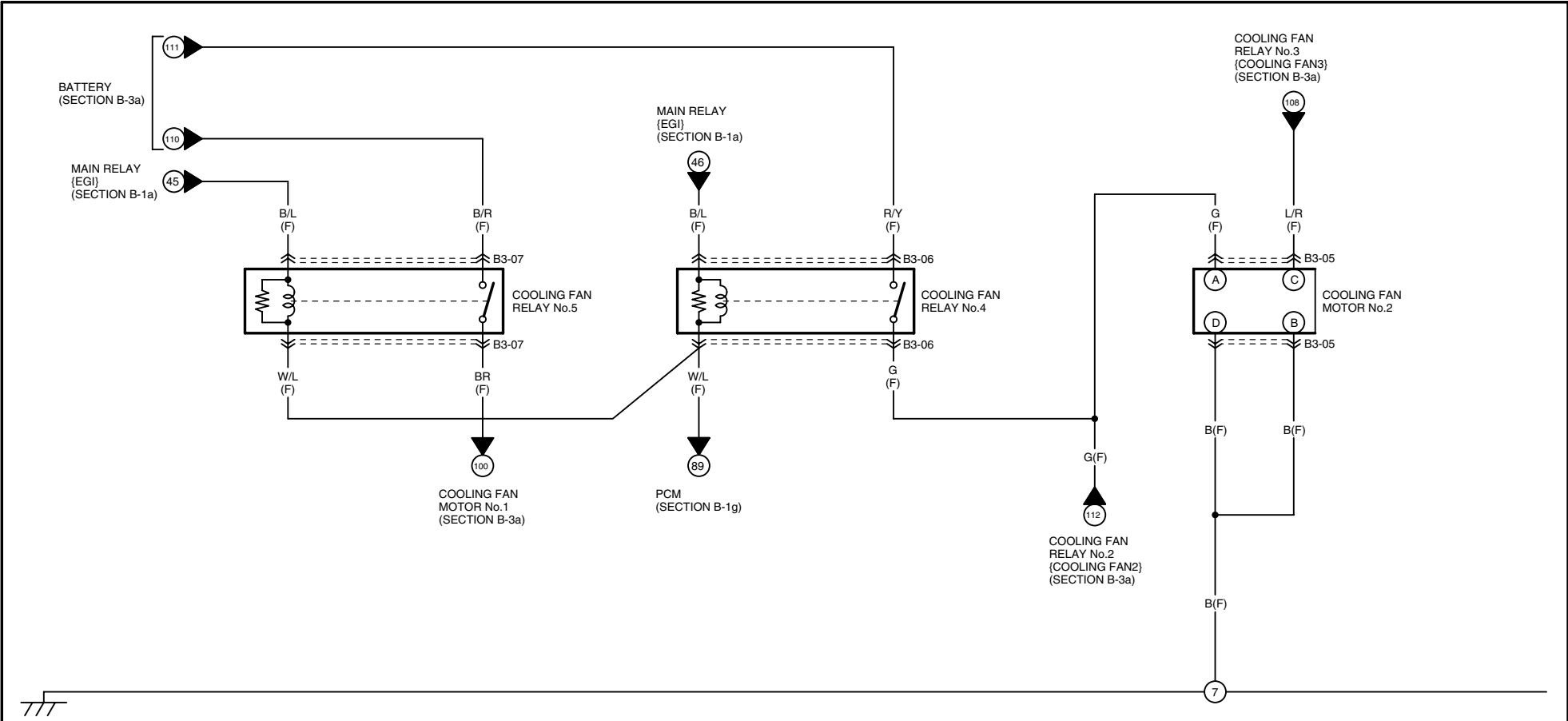
NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.

B3-04 COOLING FAN MOTOR No.1(F)



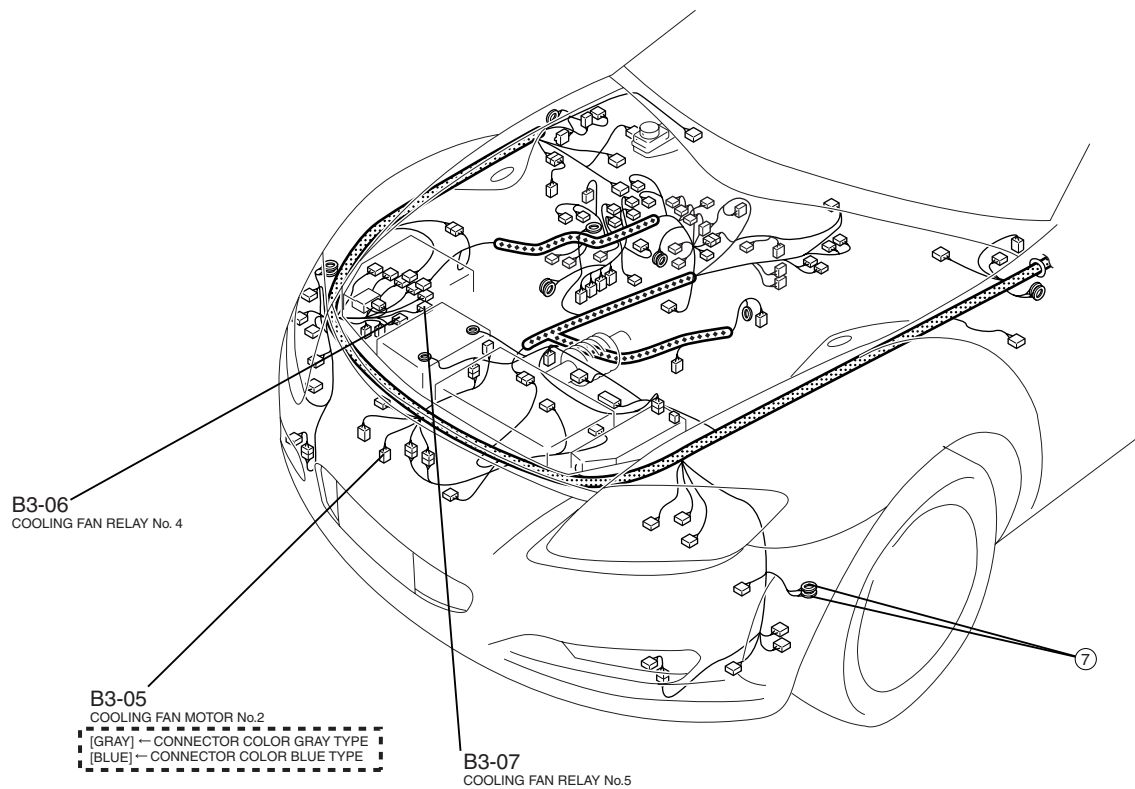
HARNESS SYMBOL:  (F)  (E)  (R)





B3-05 COOLING FAN MOTOR No.2(F)	B3-06 COOLING FAN RELAY No.4(F)	B3-07 COOLING FAN RELAY No.5(F)				

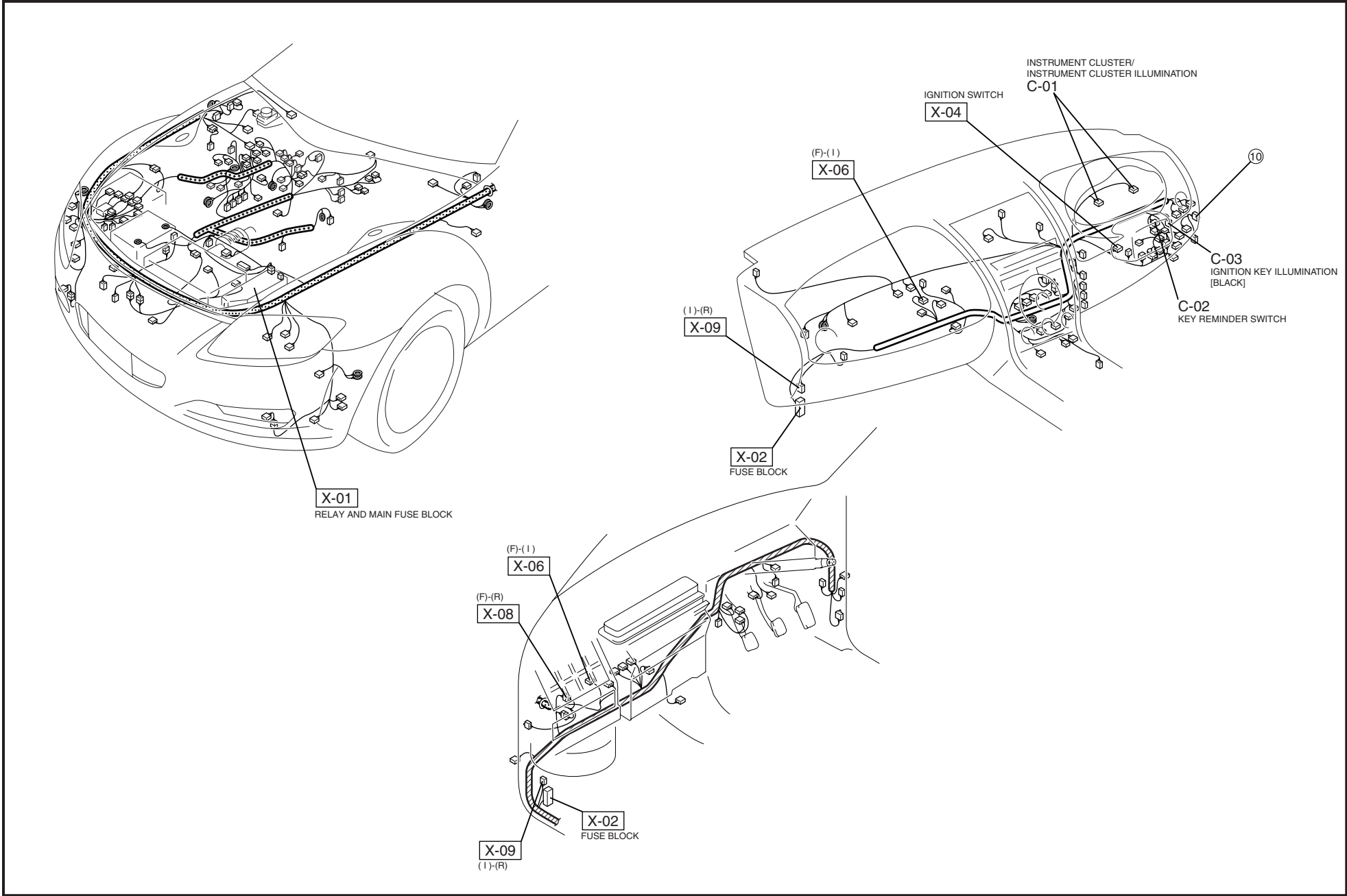
HARNESS SYMBOL:  (F)  (E)  (R)



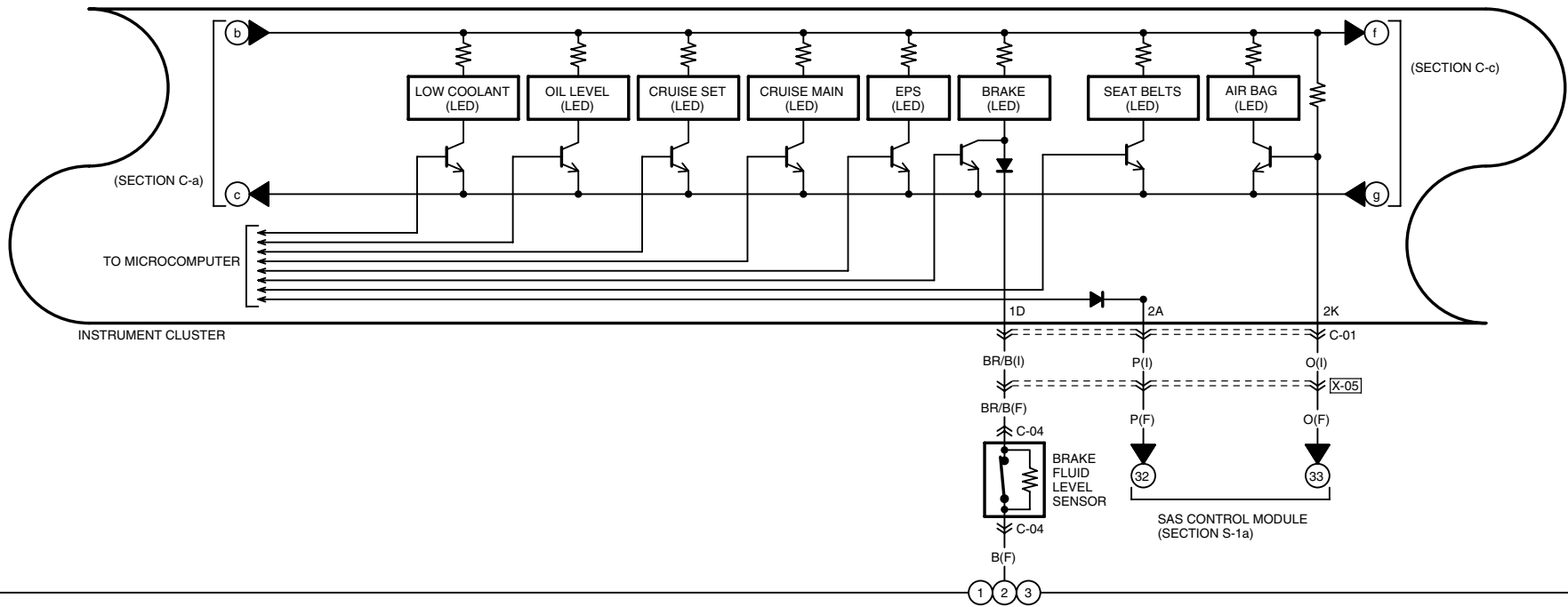




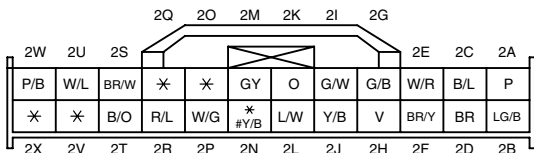
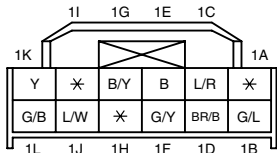
HARNESS SYMBOL:  (F)  (E)  (R)



# ...WITH REAR FOG LIGHT



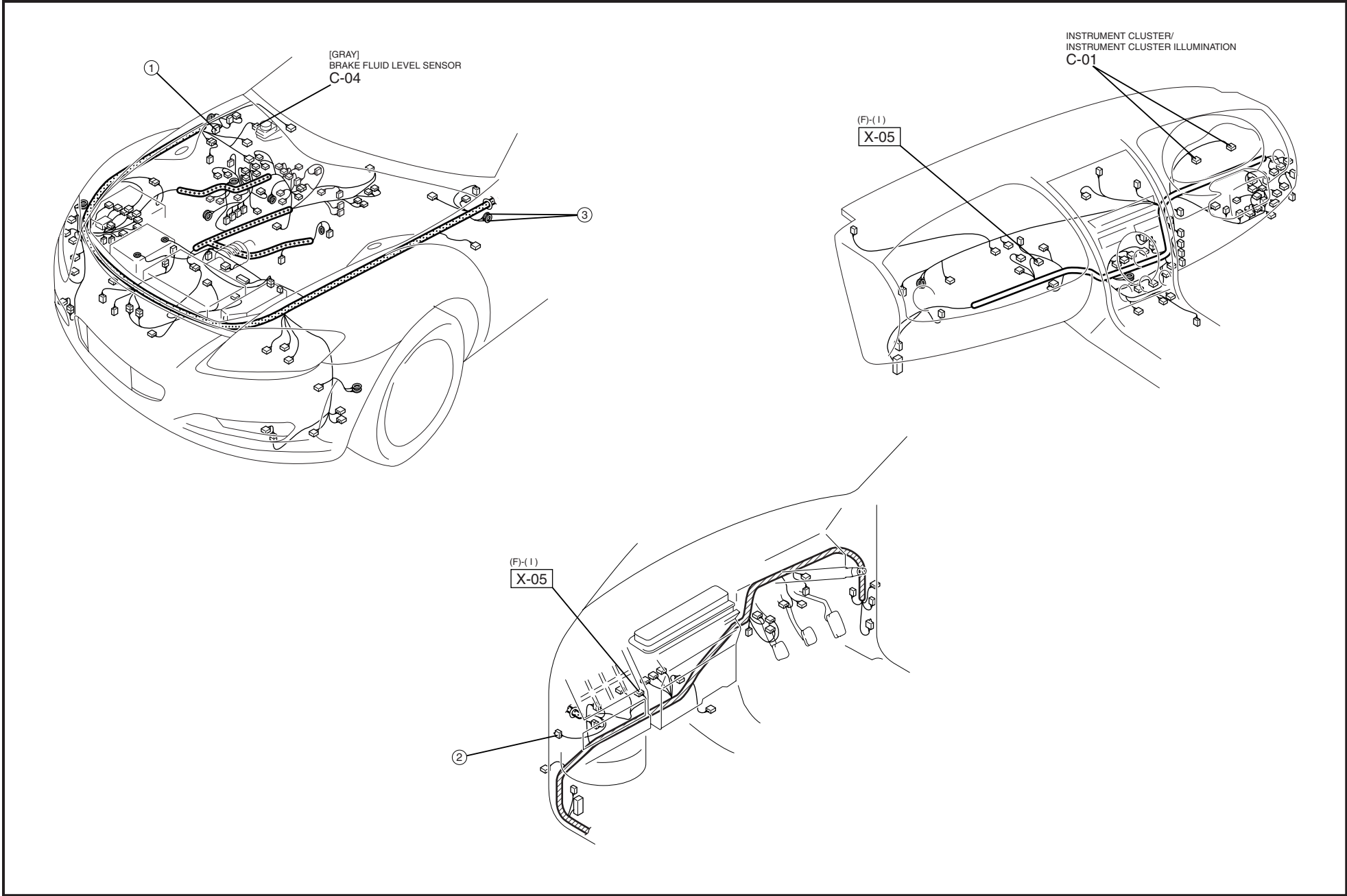
C-01 INSTRUMENT CLUSTER(I)

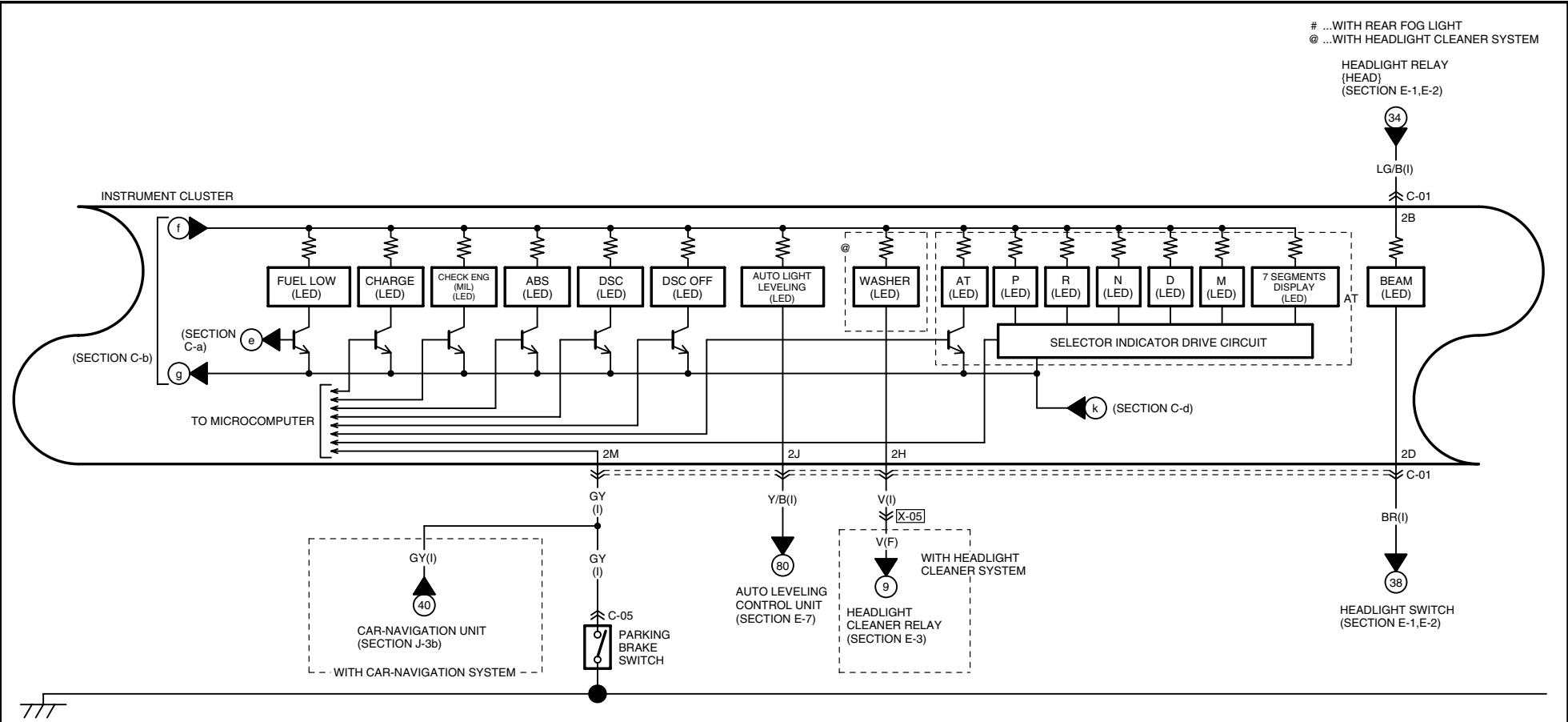



C-04 BRAKE FLUID LEVEL SENSOR(F)






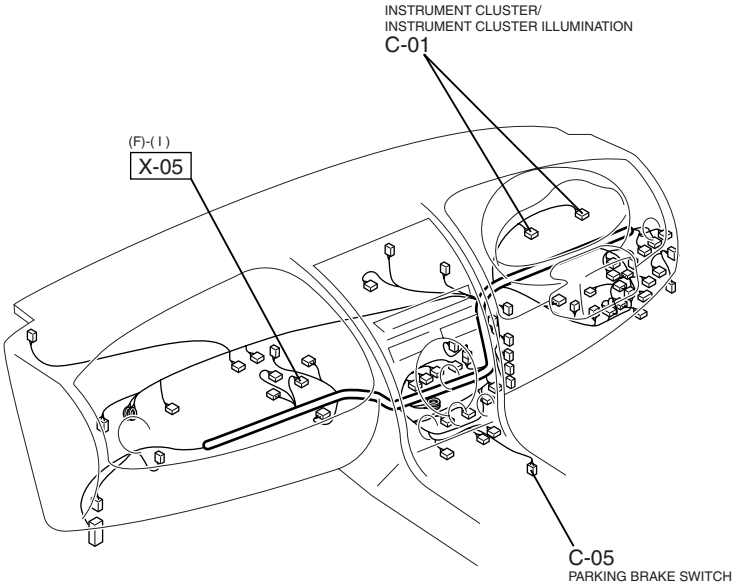
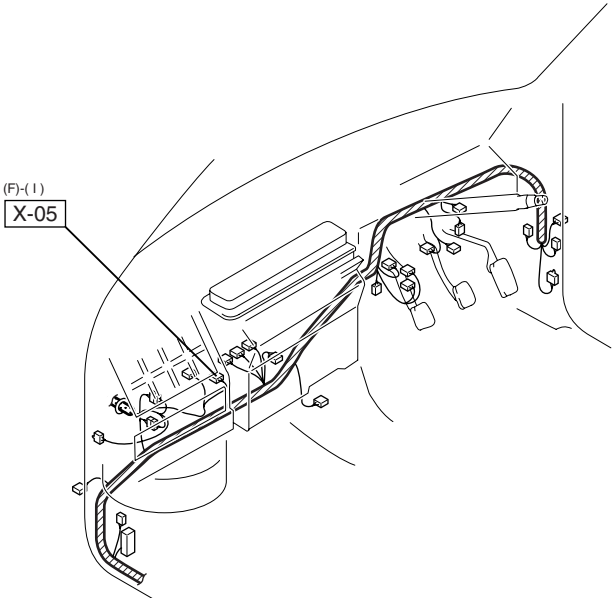
HARNESS SYMBOL:  (F)  (E)  (R)





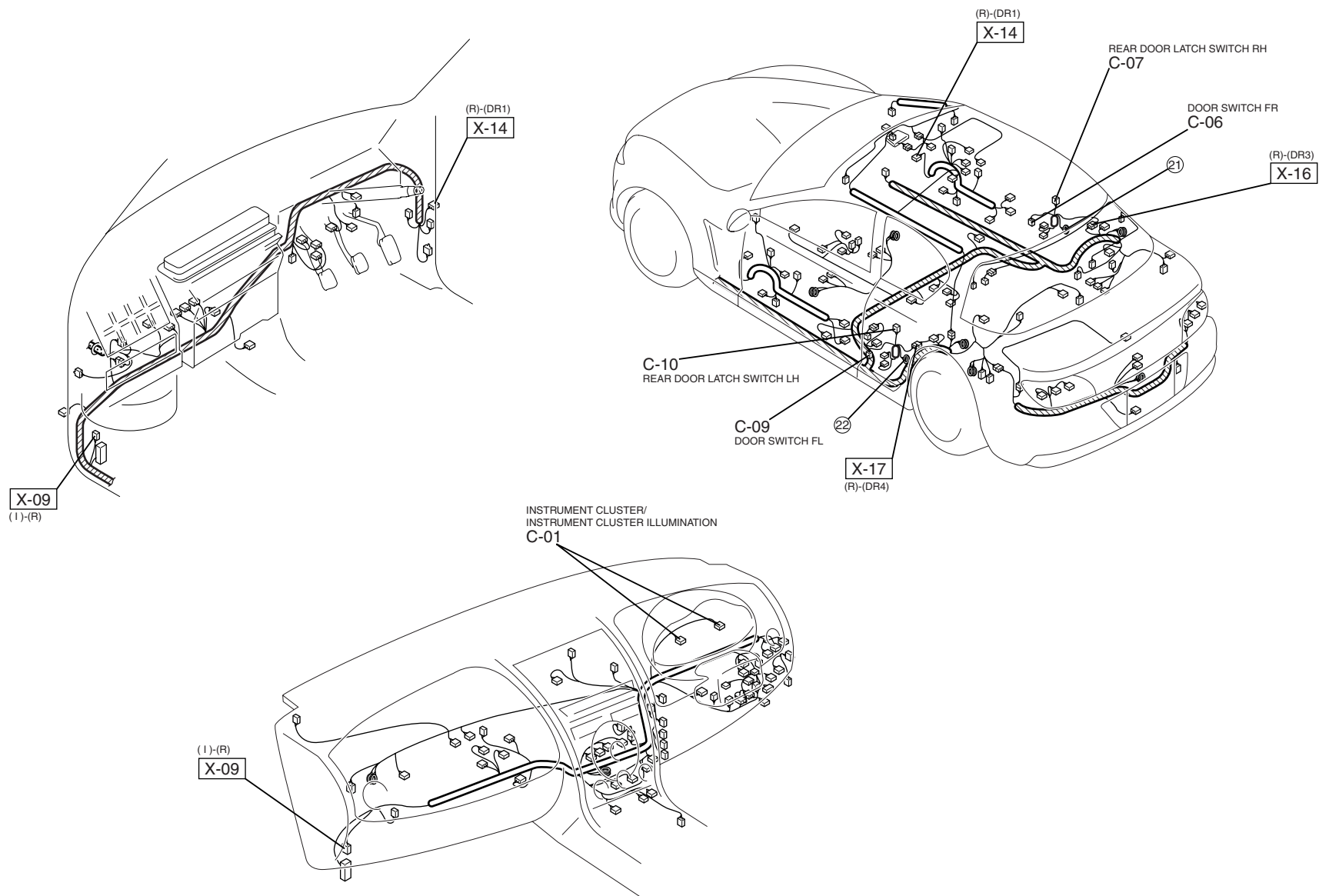
C-01 INSTRUMENT CLUSTER(I)												C-05 PARKING BRAKE SWITCH(I)																																																																			
<table><tr><td colspan="2">2W</td><td>2U</td><td>2S</td><td colspan="2">2Q</td><td>2O</td><td>2M</td><td>2K</td><td>2I</td><td colspan="2">2G</td><td colspan="2">2E</td><td>2C</td><td>2A</td></tr><tr><td>P/B</td><td>W/L</td><td>BR/W</td><td>*</td><td>*</td><td>GY</td><td>O</td><td>G/W</td><td>G/B</td><td>W/R</td><td>B/L</td><td>P</td><td colspan="4"></td></tr><tr><td>*</td><td>*</td><td>B/O</td><td>R/L</td><td>W/G</td><td>*#Y/B</td><td>L/W</td><td>Y/B</td><td>V</td><td>BR/Y</td><td>BR</td><td>LG/B</td><td colspan="4"></td></tr><tr><td>2X</td><td>2V</td><td>2T</td><td>2R</td><td>2P</td><td>2N</td><td>2L</td><td>2J</td><td>2H</td><td>2F</td><td>2D</td><td>2B</td><td colspan="4"></td></tr></table>												2W		2U	2S	2Q		2O	2M	2K	2I	2G		2E		2C	2A	P/B	W/L	BR/W	*	*	GY	O	G/W	G/B	W/R	B/L	P					*	*	B/O	R/L	W/G	*#Y/B	L/W	Y/B	V	BR/Y	BR	LG/B					2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B					 GY			
2W		2U	2S	2Q		2O	2M	2K	2I	2G		2E		2C	2A																																																																
P/B	W/L	BR/W	*	*	GY	O	G/W	G/B	W/R	B/L	P																																																																				
*	*	B/O	R/L	W/G	*#Y/B	L/W	Y/B	V	BR/Y	BR	LG/B																																																																				
2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B																																																																				

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



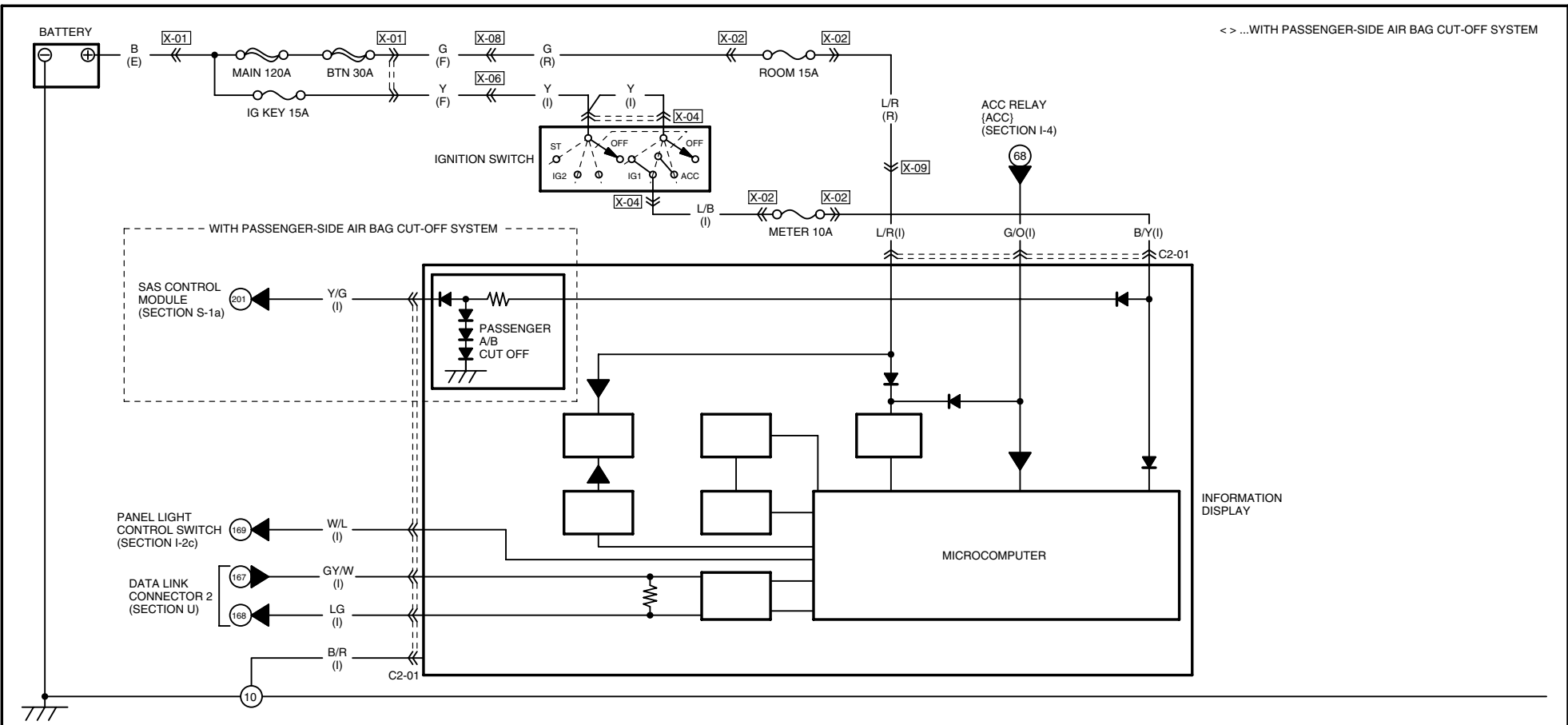


HARNESS SYMBOL:  (F)  (E)  (R)



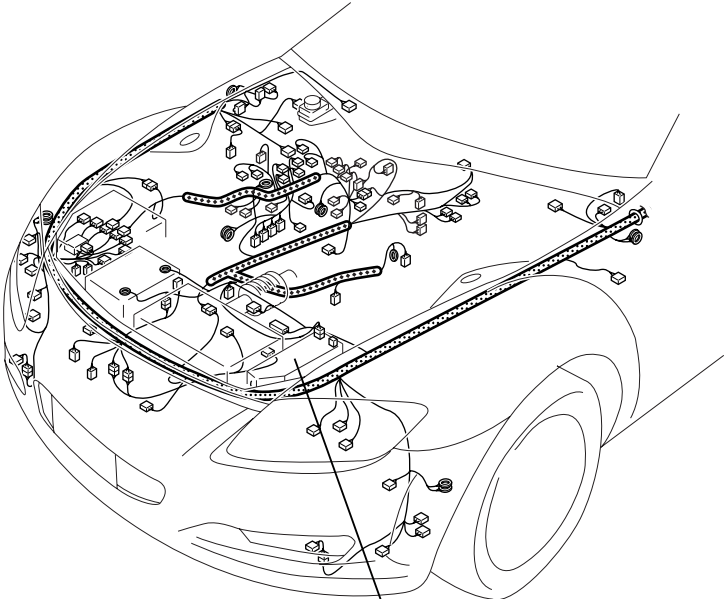


58

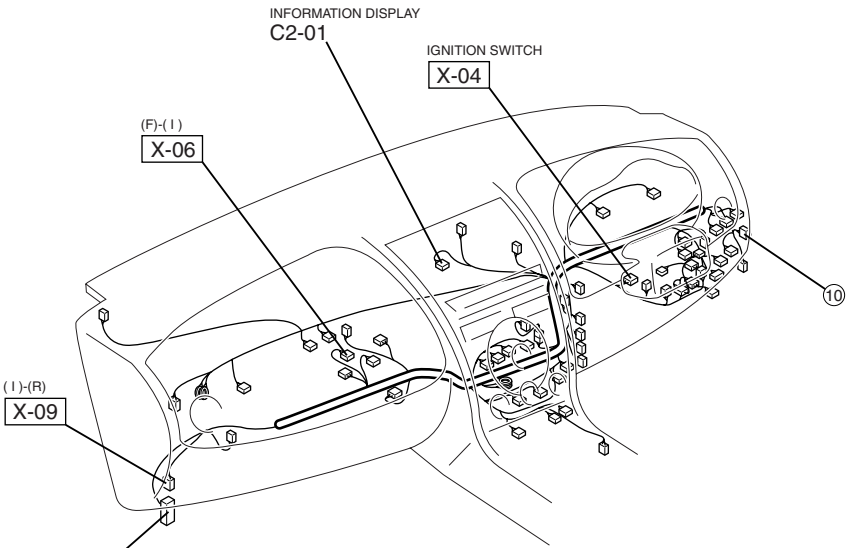


C2-01 INFORMATION DISPLAY(I)						
<div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div></div></div>						

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



X-01  
RELAY AND MAIN FUSE BLOCK

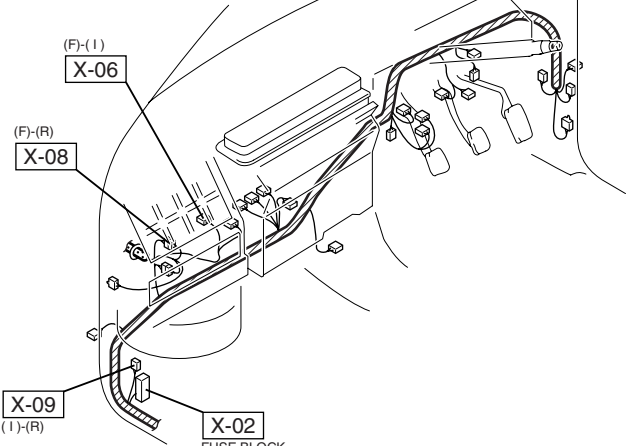


(1)-(R)  
X-09

X-02  
FUSE BLOCK

(F)-(1)  
X-06

INFORMATION DISPLAY  
C2-01  
IGNITION SWITCH  
X-04

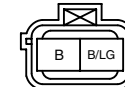


(F)-(1)  
X-06

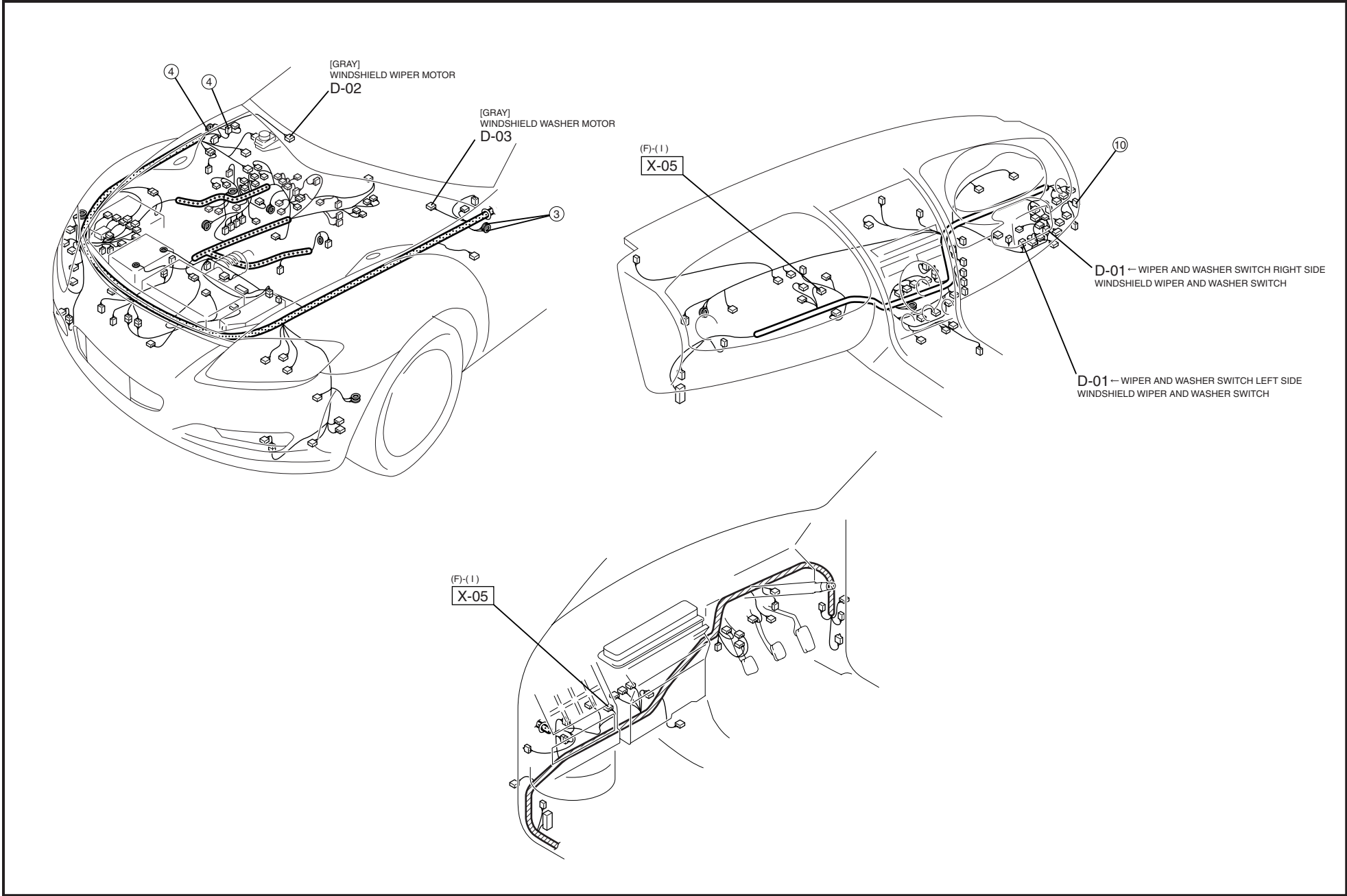
(F)-(R)  
X-08

X-09  
(1)-(R)

X-02  
FUSE BLOCK

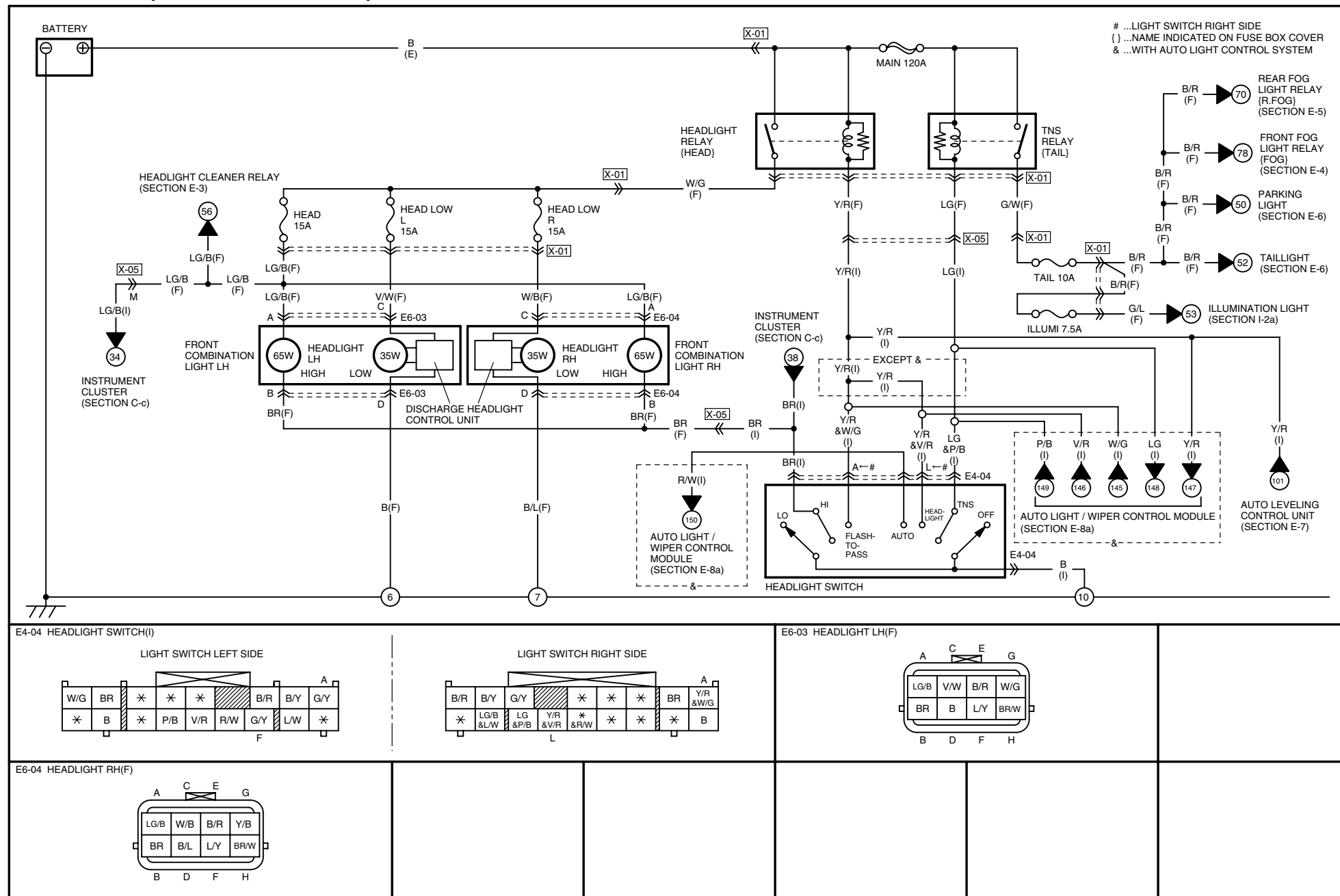


HARNESS SYMBOL:  (F)  (E)  (R)

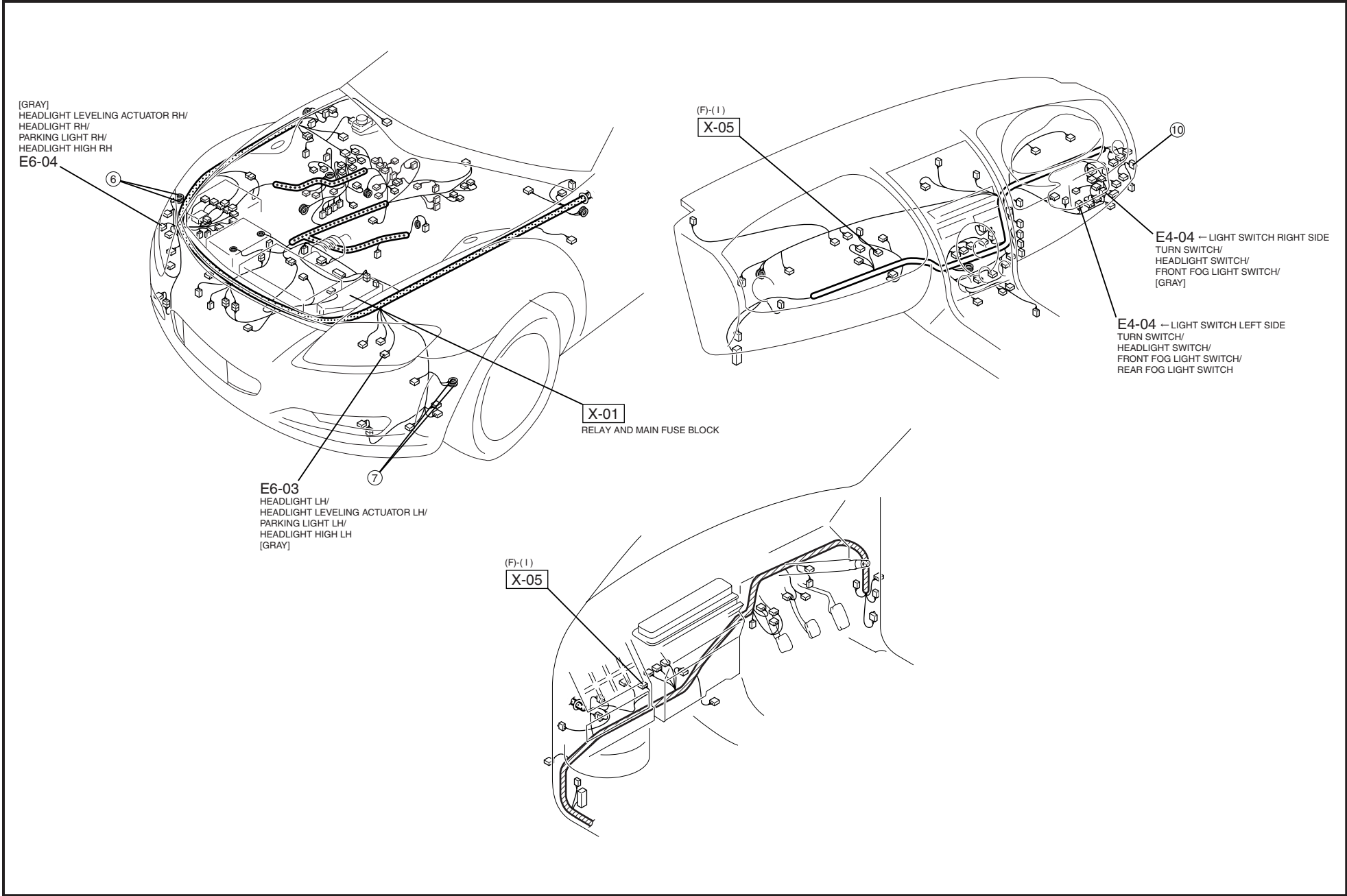


# HEADLIGHT(DISCHARGE TYPE)

E-1

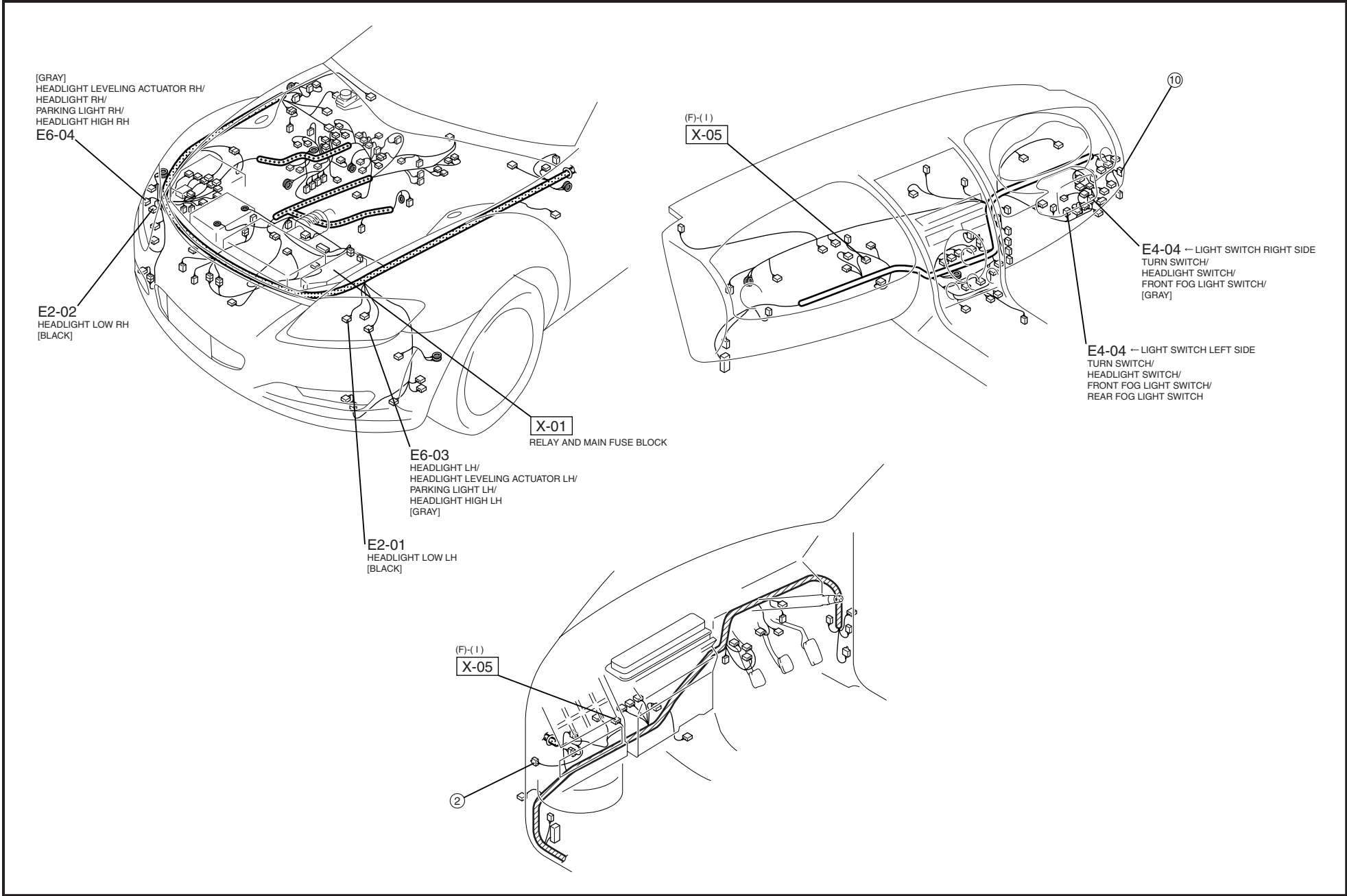


HARNESS SYMBOL:  (F)  (E)  (R)

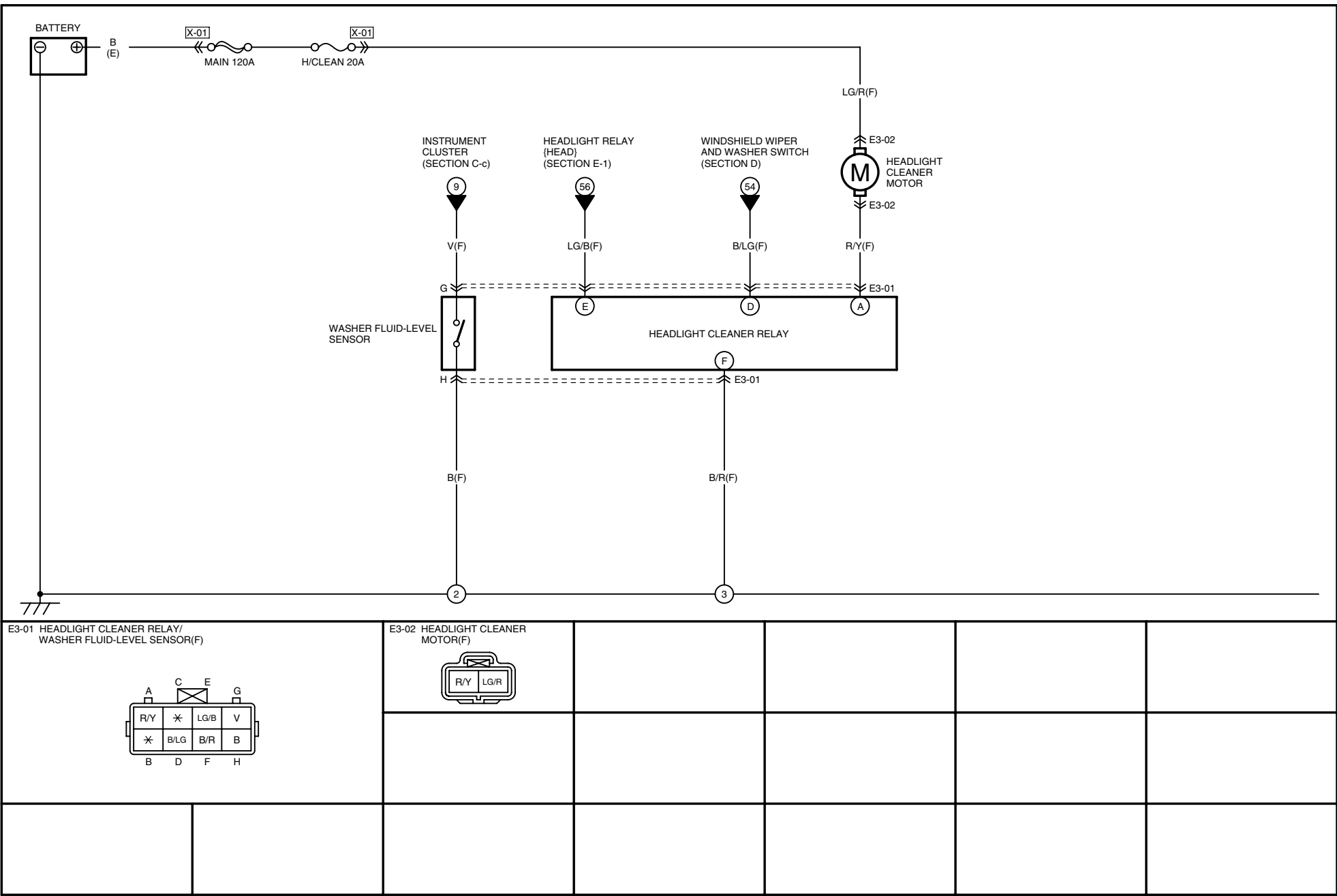




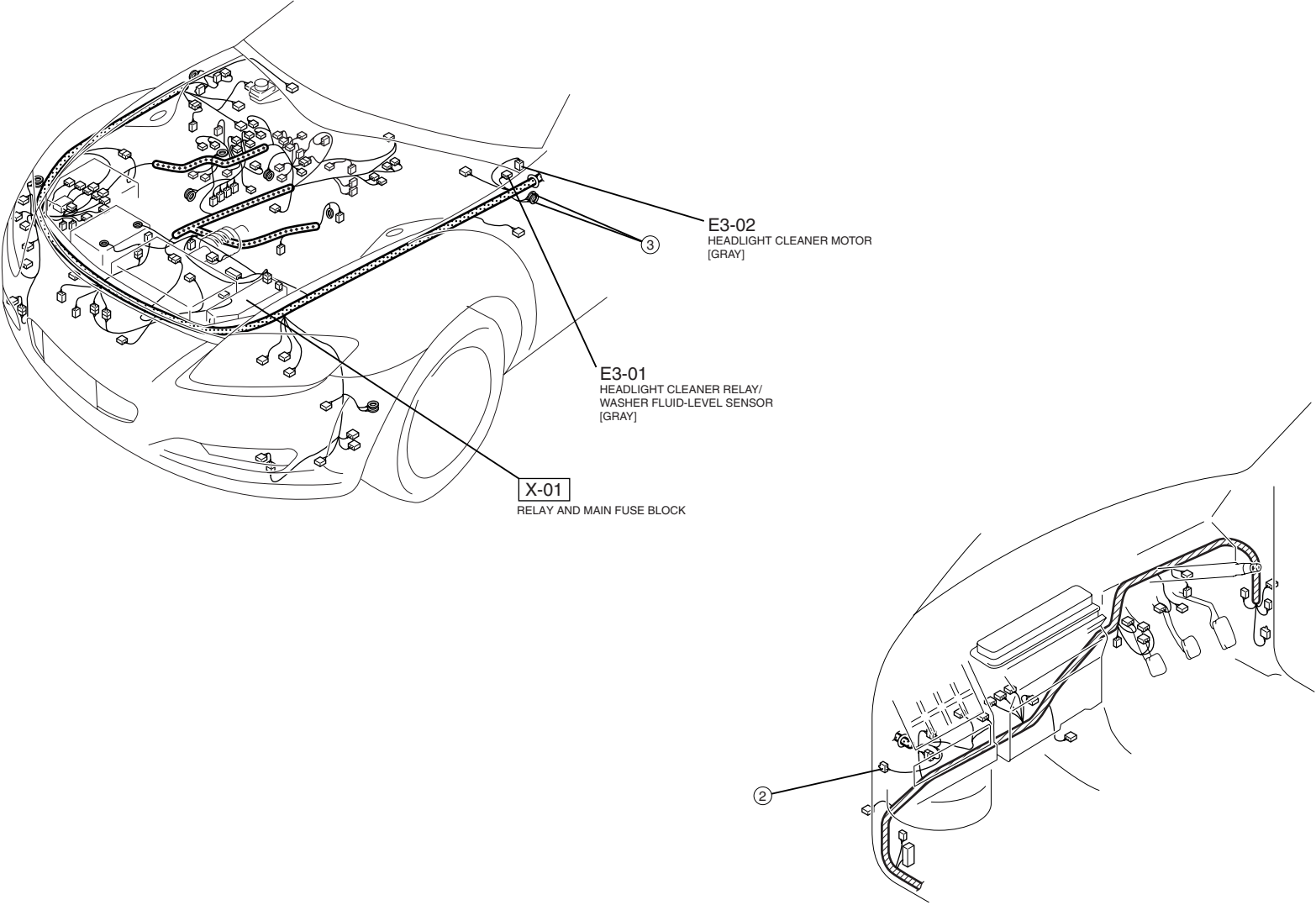
HARNESS SYMBOL:  (F)  (E)  (R)



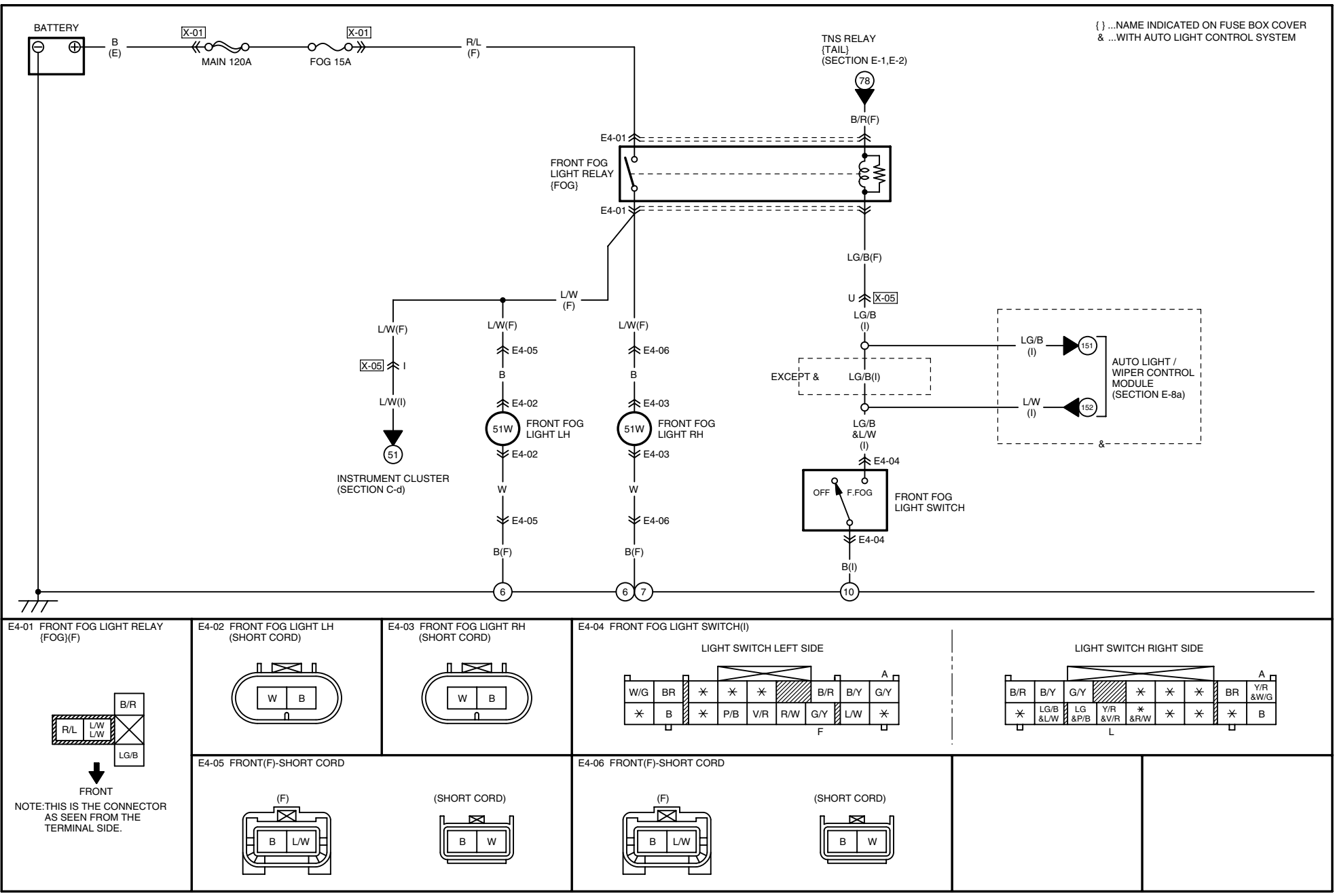




HARNESS SYMBOL:  (F)  (E)  (R)

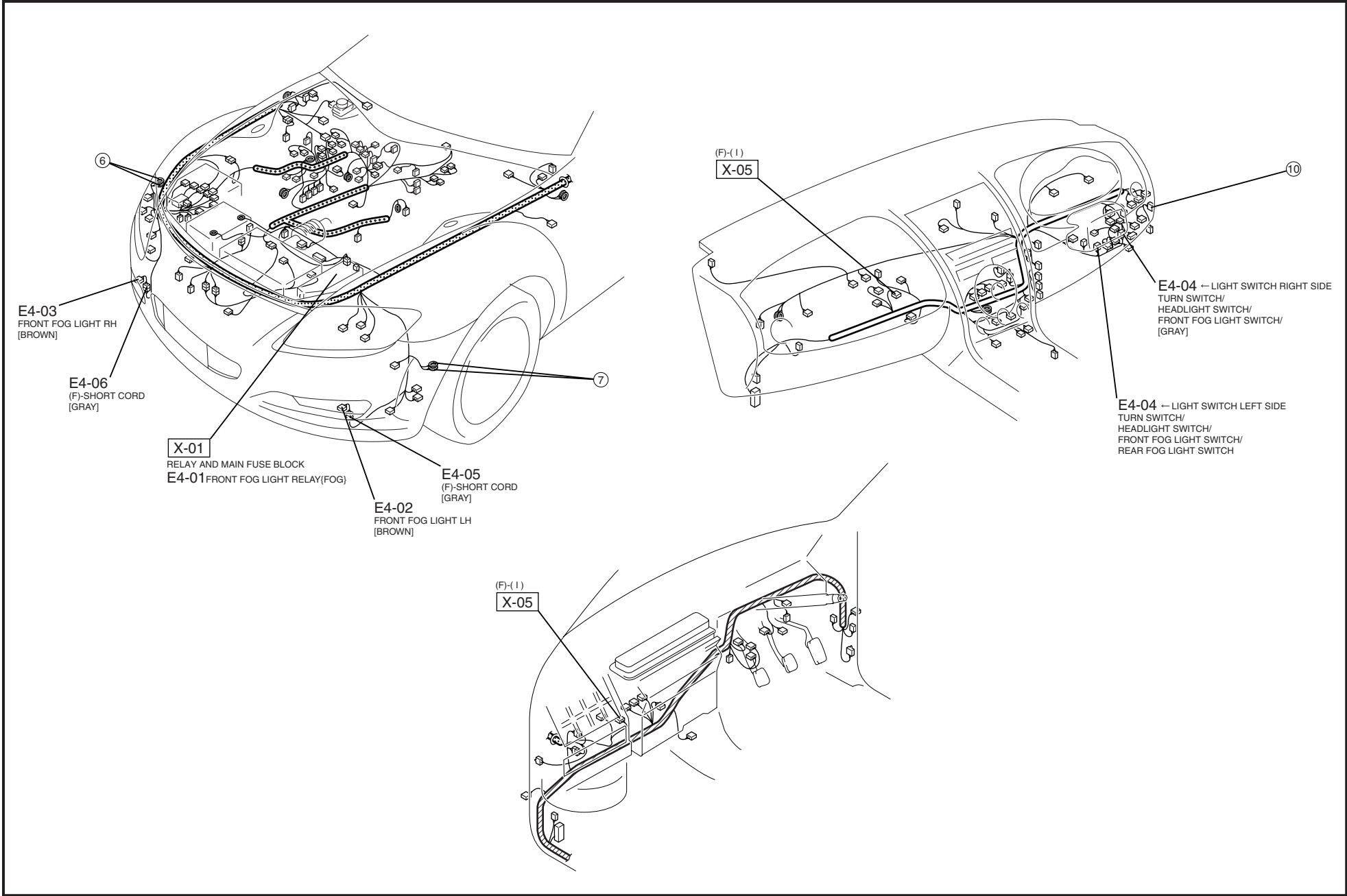


FRONT FOG LIGHT



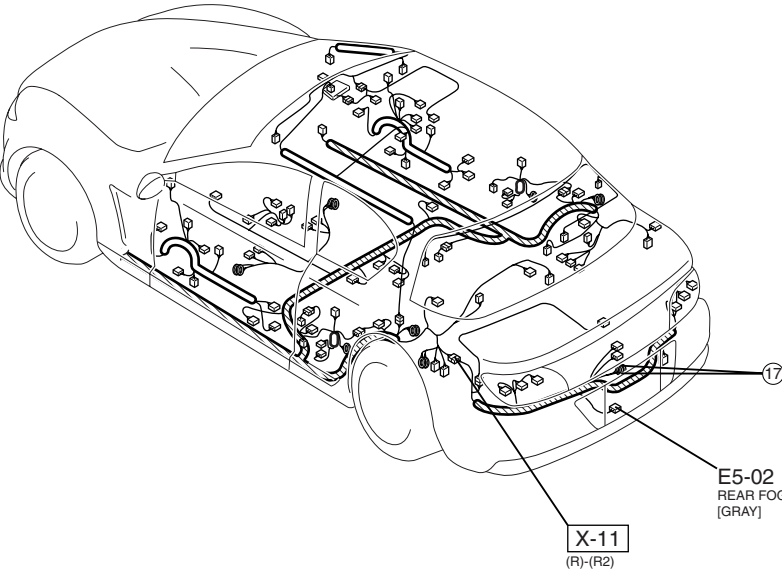
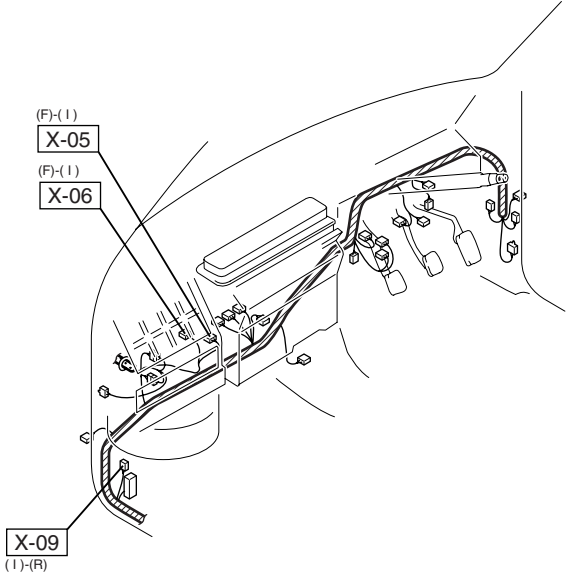
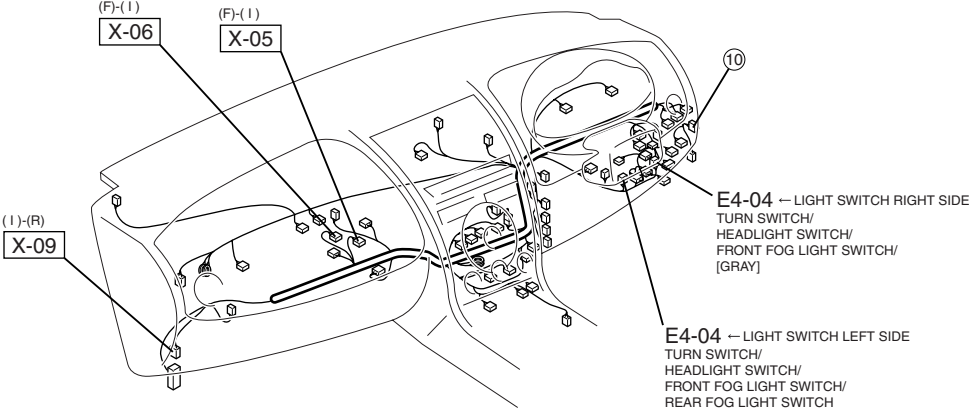
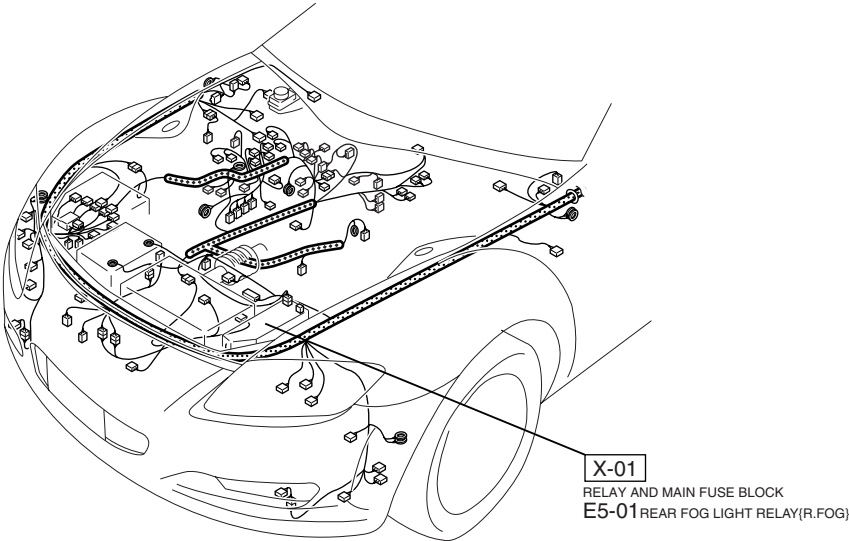
HARNESS SYMBOL:  (F)  (E)  (R)

69

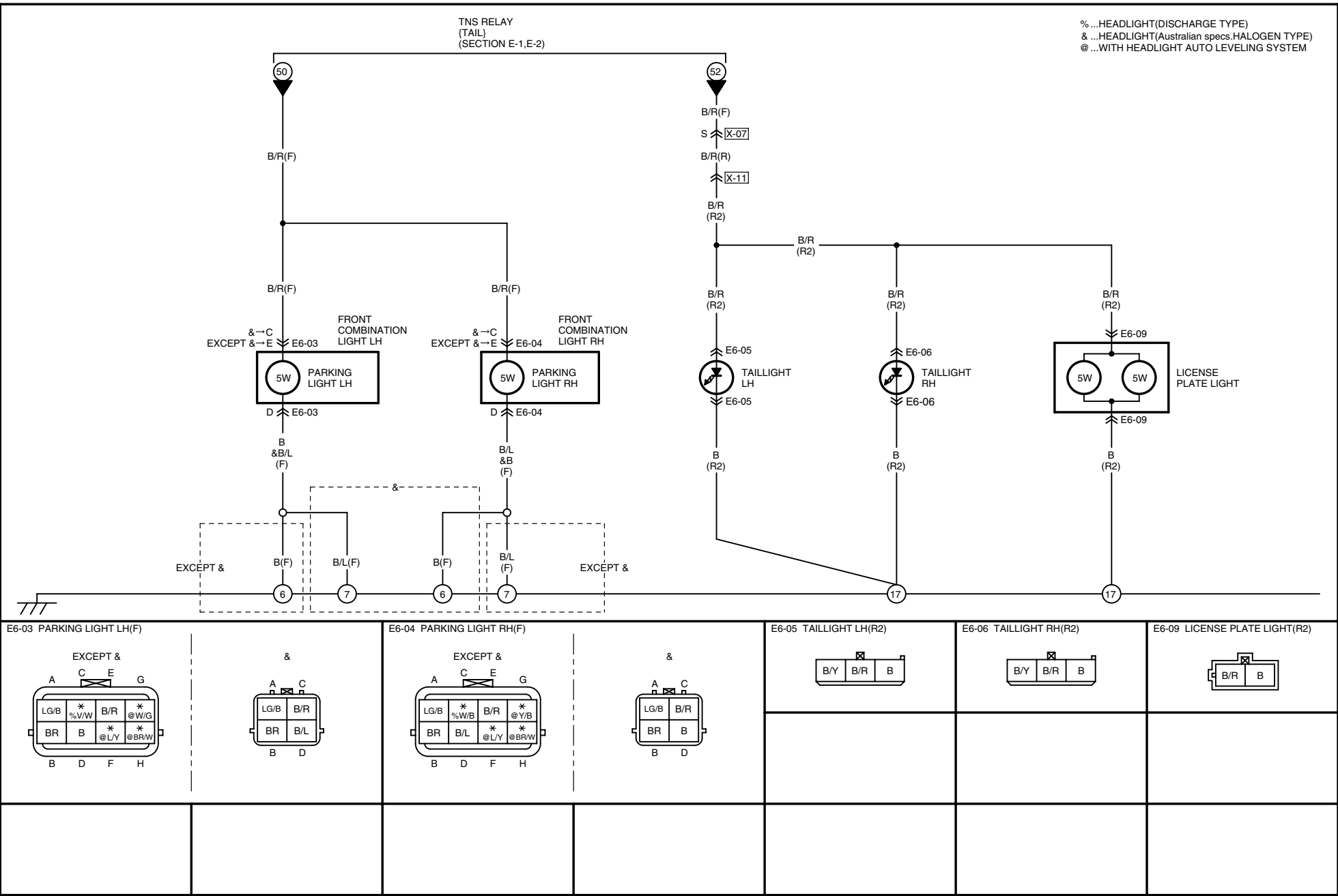




HARNESS SYMBOL:  (F)  (E)  (R)



72



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

[GRAY]  
HEADLIGHT LEVELING ACTUATOR RH/  
HEADLIGHT RH/  
PARKING LIGHT RH/  
HEADLIGHT HIGH RH  
E6-04

6

7

E6-03  
HEADLIGHT LH/  
HEADLIGHT LEVELING ACTUATOR LH/  
PARKING LIGHT LH/  
HEADLIGHT HIGH LH  
[GRAY]

[GRAY]  
(F)-(R)

X-07

E6-06  
BRAKE LIGHT RH/  
TAILLIGHT RH  
[BLACK]

E6-09  
LICENSE PLATE LIGHT

17

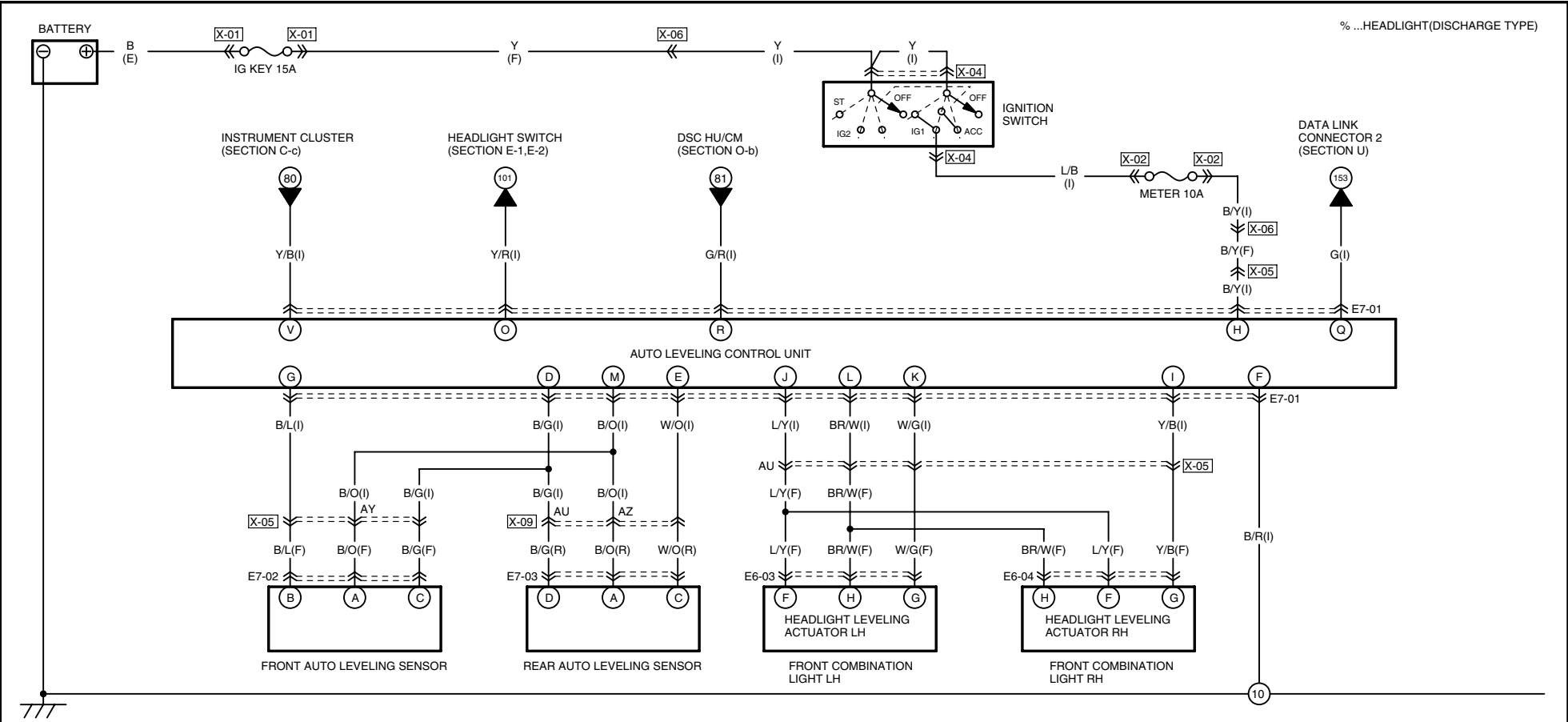
E6-05  
BRAKE LIGHT LH/  
TAILLIGHT LH  
[BLACK]

X-11  
(R)-(R2)



HEADLIGHT AUTO LEVELING SYSTEM

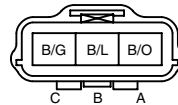
E-7



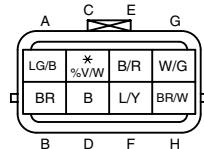
E7-01 AUTO LEVELING CONTROL UNIT(I)

W U S			Q O M K I G			E C A		
*	*	*	G	Y/R	B/O	W/G	Y/B	B/L
*	Y/B	*	G/R	*	*	BR/W	L/Y	B/Y
X	V	T	R	P	N	L	J	H

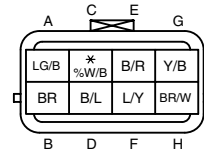
E7-02 FRONT AUTO LEVELING SENSOR(F)



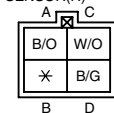
E6-03 HEADLIGHT LEVELING ACTUATOR LH(F)



E6-04 HEADLIGHT LEVELING ACTUATOR RH(F)

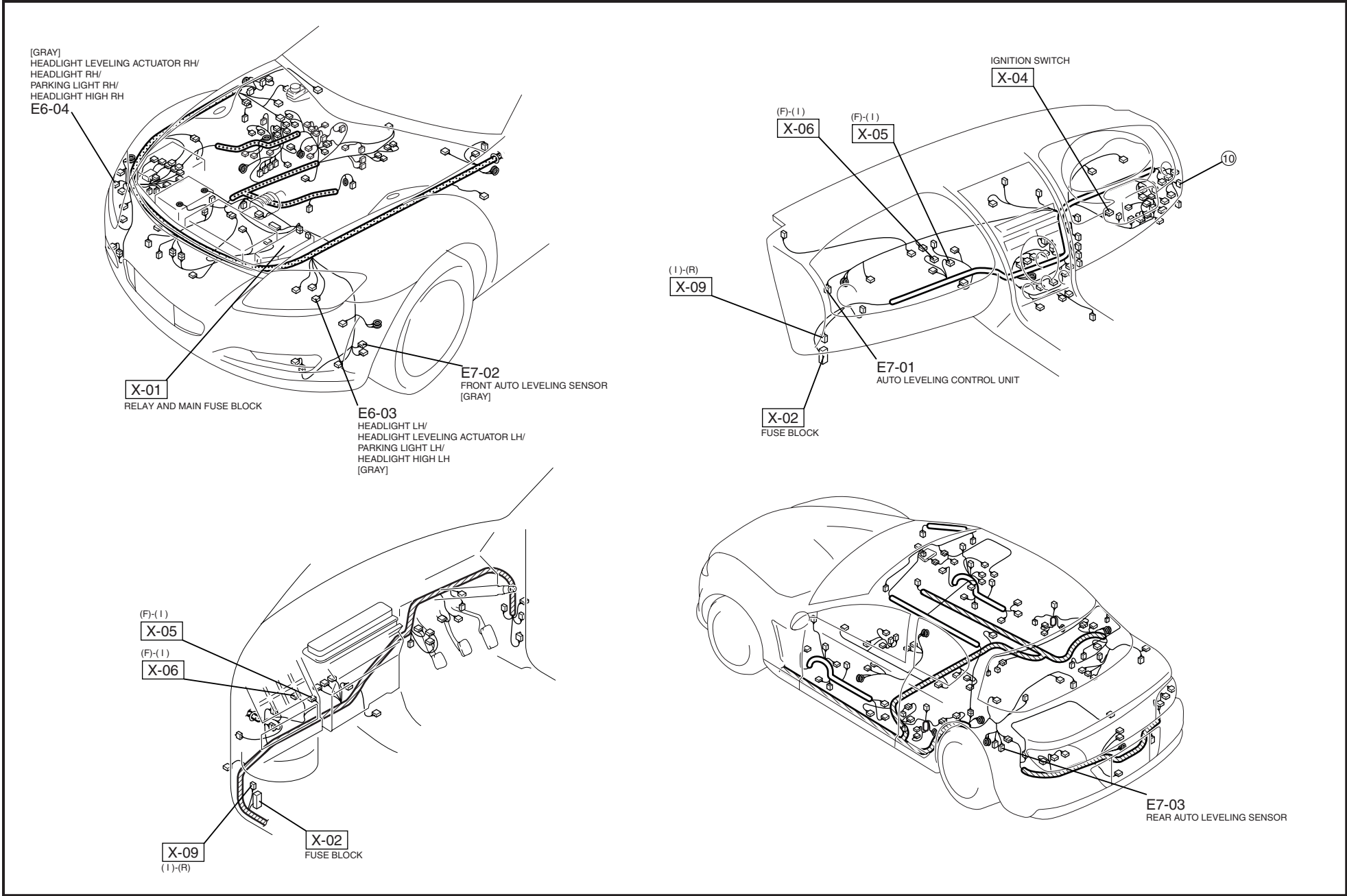


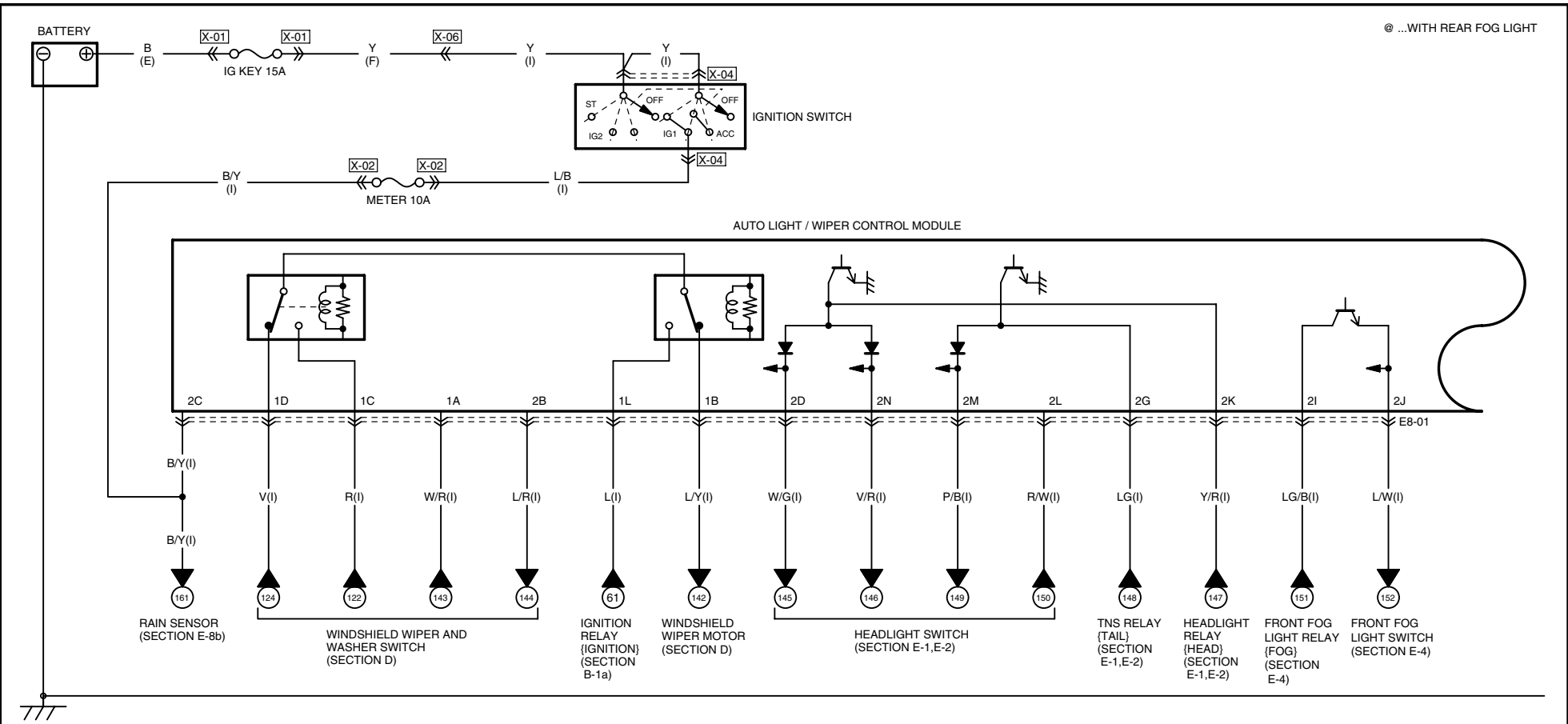
E7-03 REAR AUTO LEVELING SENSOR(R)



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

75





E8-01 AUTO LIGHT / WIPER CONTROL MODULE(I)

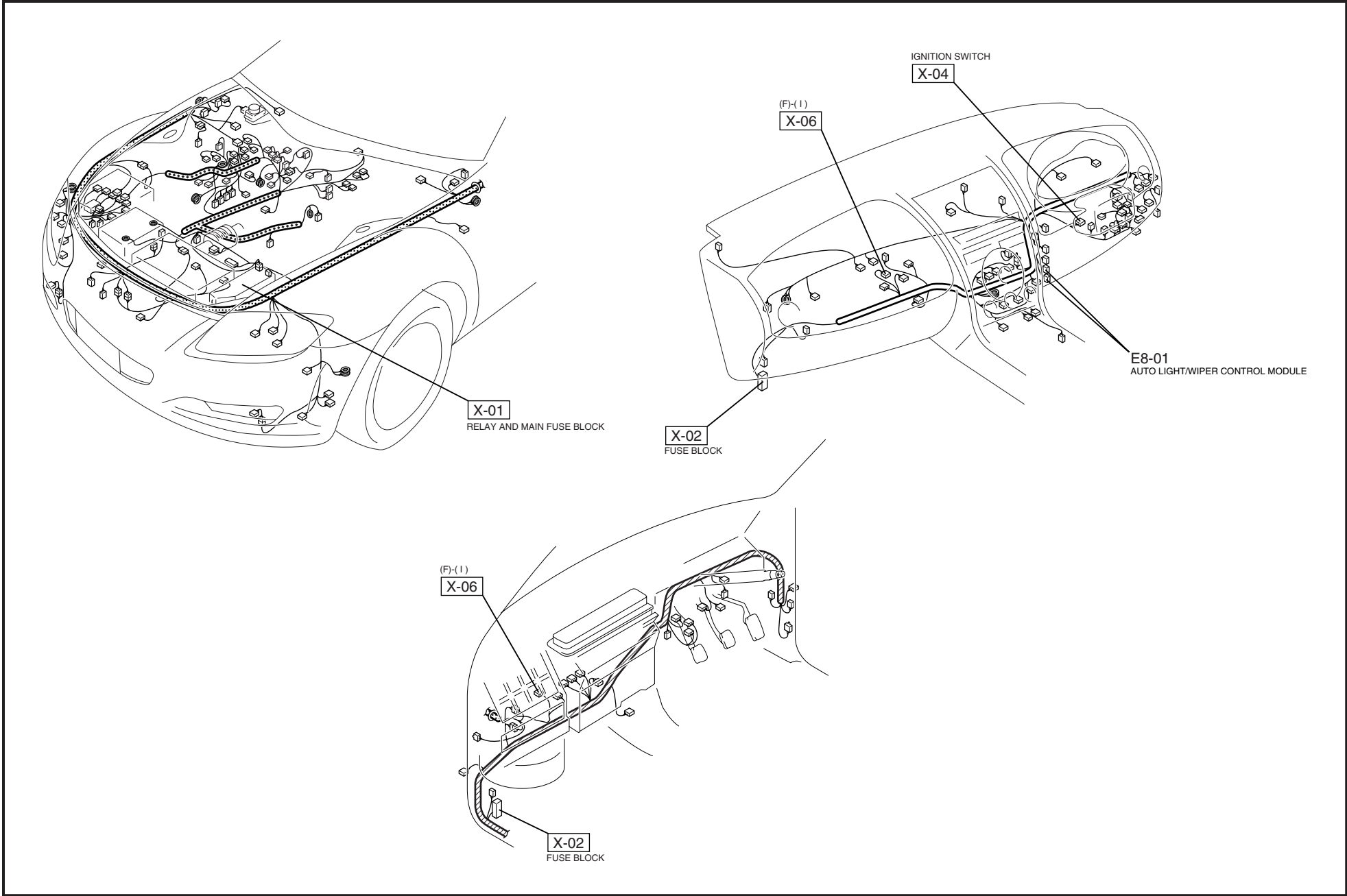
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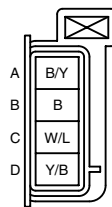
B/LG	*	B	*	R	W/R
L	*	*	*	V	L/Y
1L	1J	1H	1F	1D	1B

2O2M2K2I2G2E2C2A

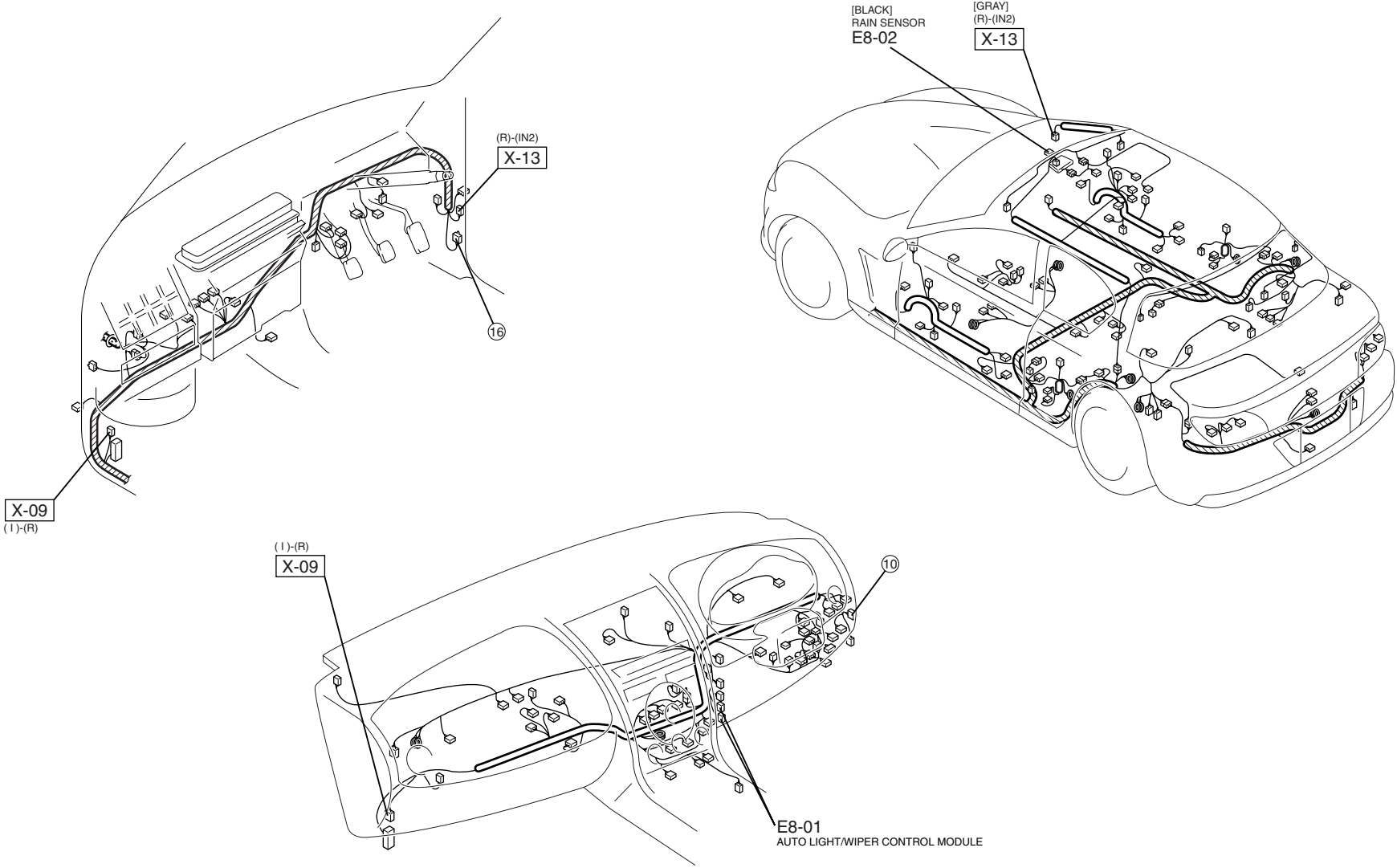
* ⓄG/Y	P/B	Y/R	LG/B	LG	W/L	B/Y	G/R
* ⓄY/L	V/R	R/W	L/W	Y/B	W/B	W/G	L/R
2P	2N	2L	2J	2H	2F	2D	2B


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





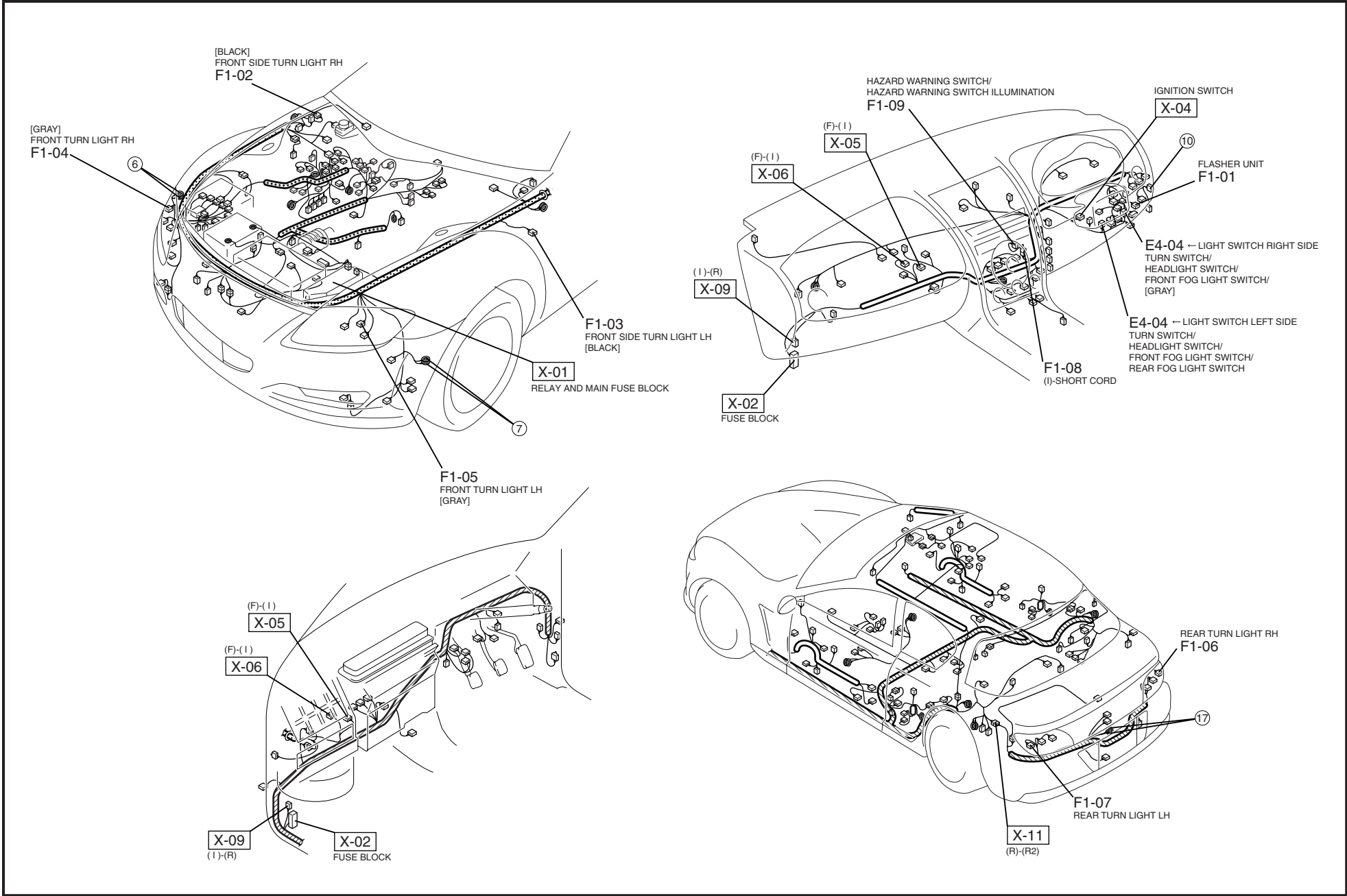
HARNESS SYMBOL:  (F)  (E)  (R)



## 80

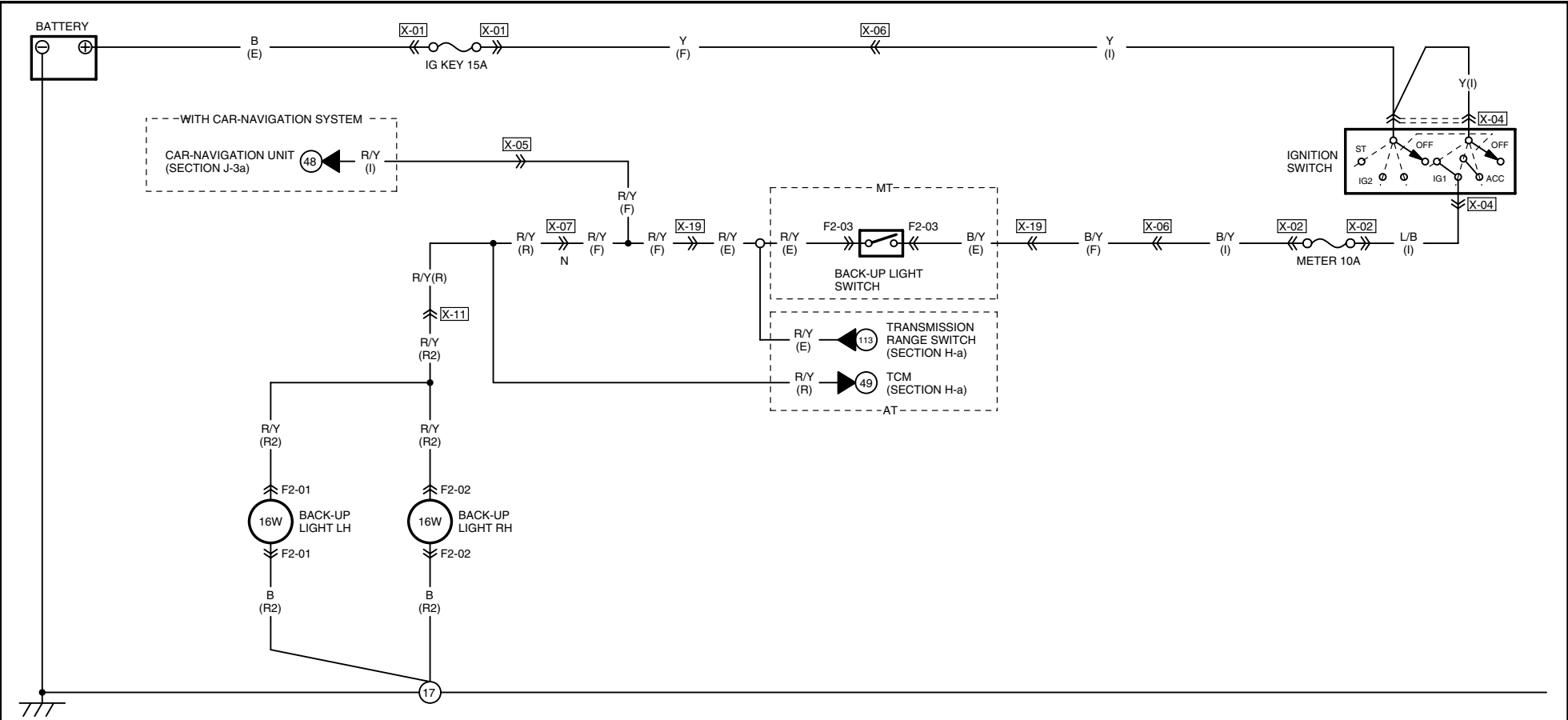
[illegible]

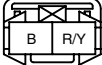
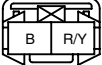

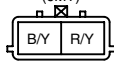
HARNESS SYMBOL:  (F)  (E)  (R)



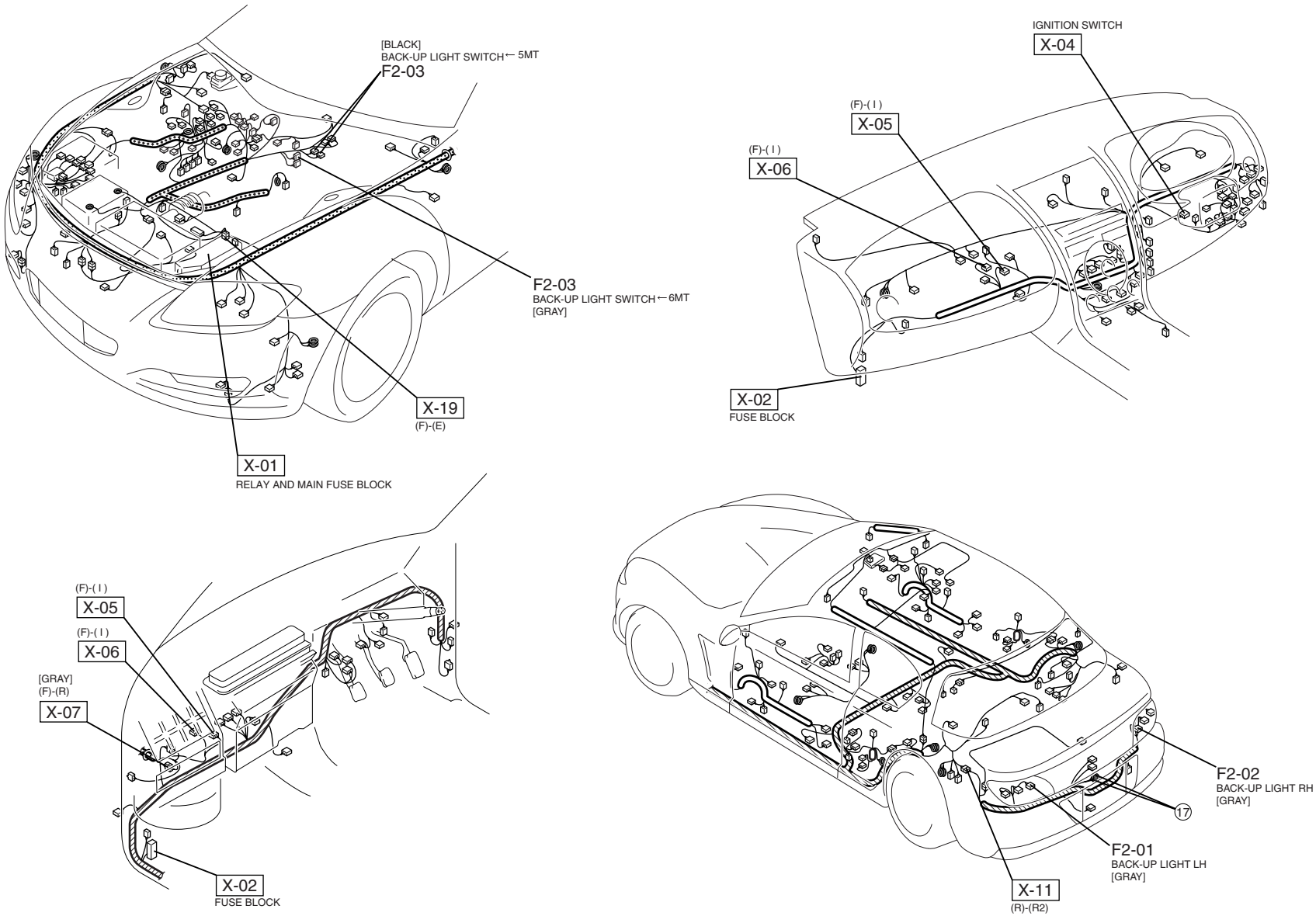


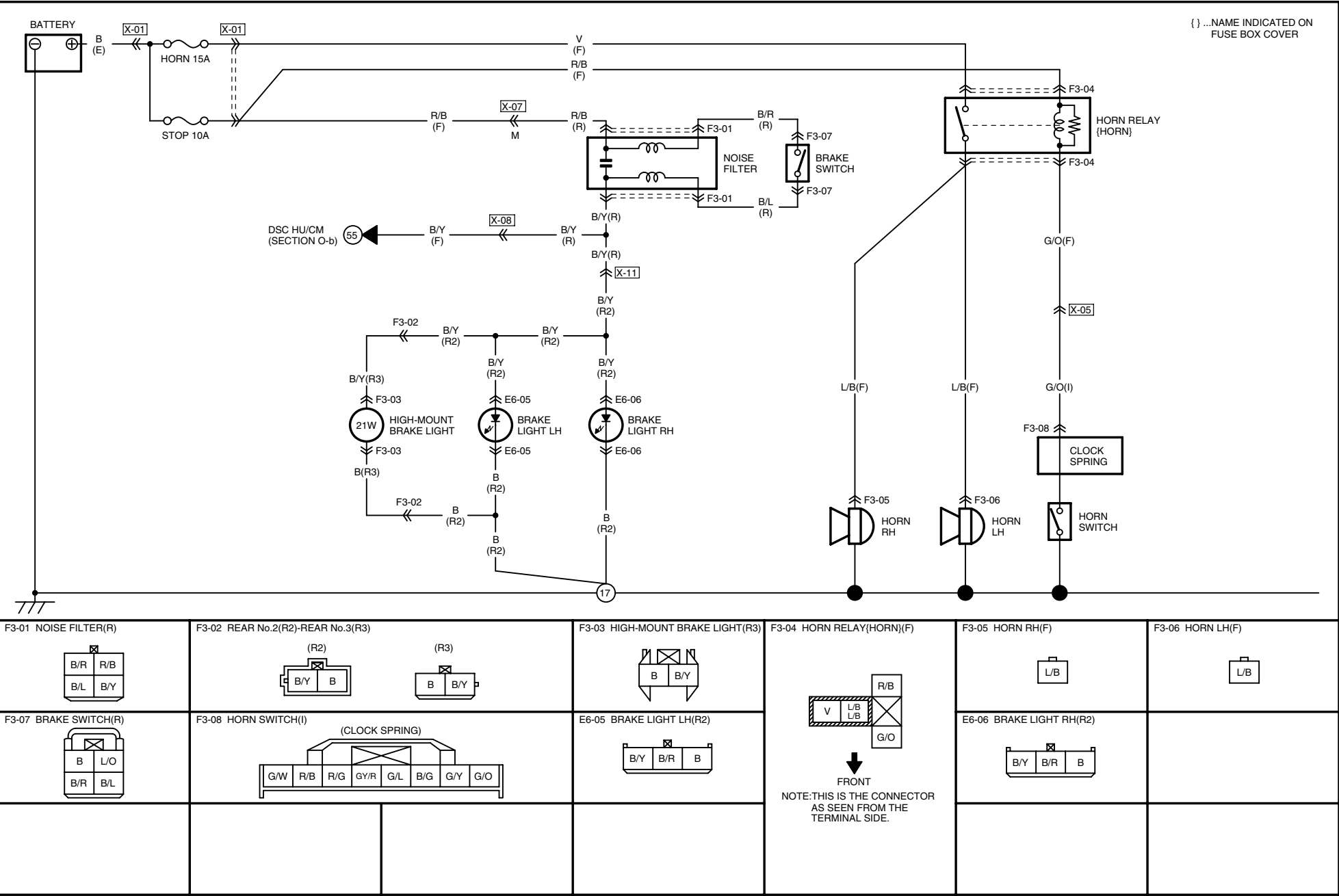
BACK-UP LIGHT



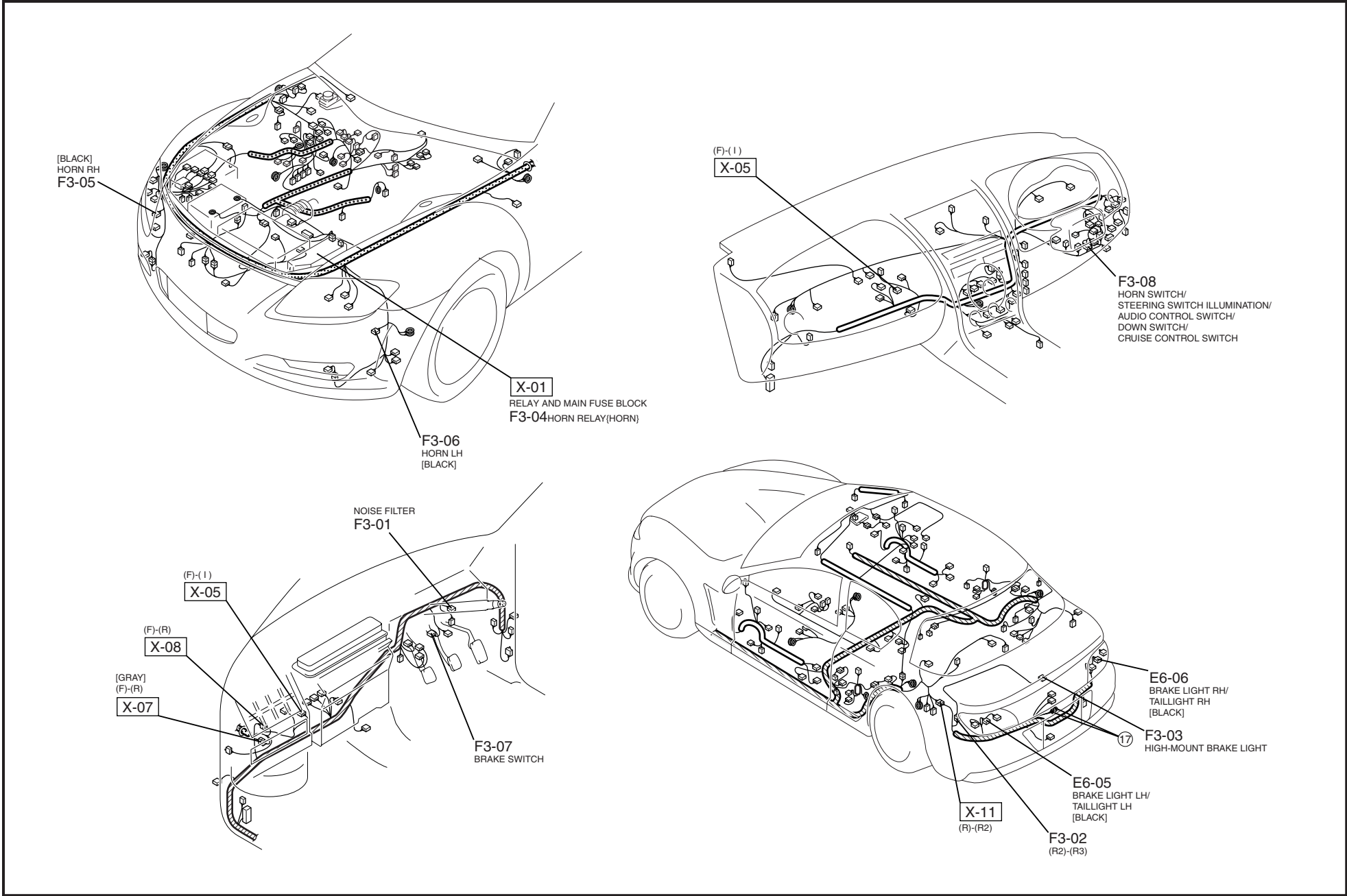
F2-01 BACK-UP LIGHT LH(R2) 	F2-02 BACK-UP LIGHT RH(R2) 	F2-03 BACK-UP LIGHT SWITCH(E) (5MT) 	(6MT) 			

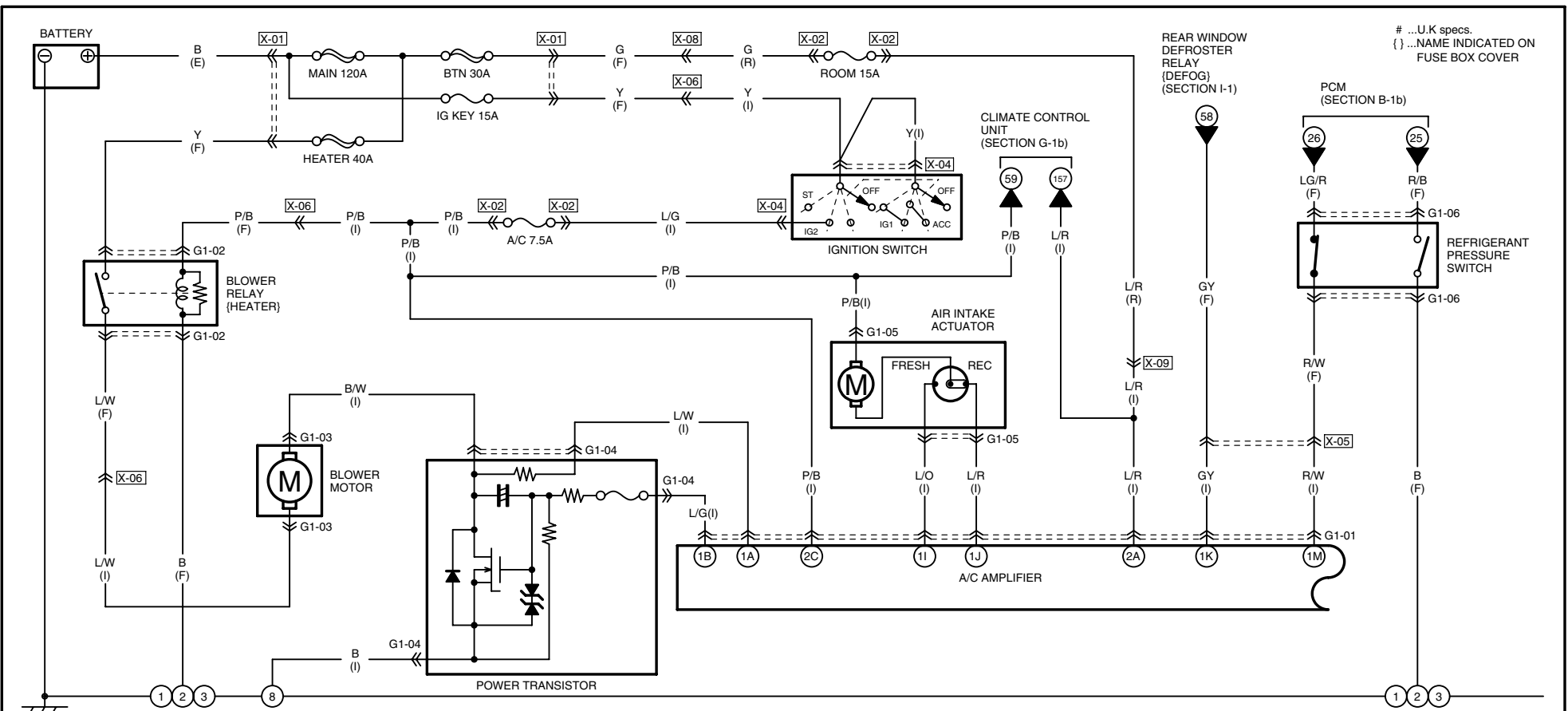
HARNESS SYMBOL:  (F)  (E)  (R)





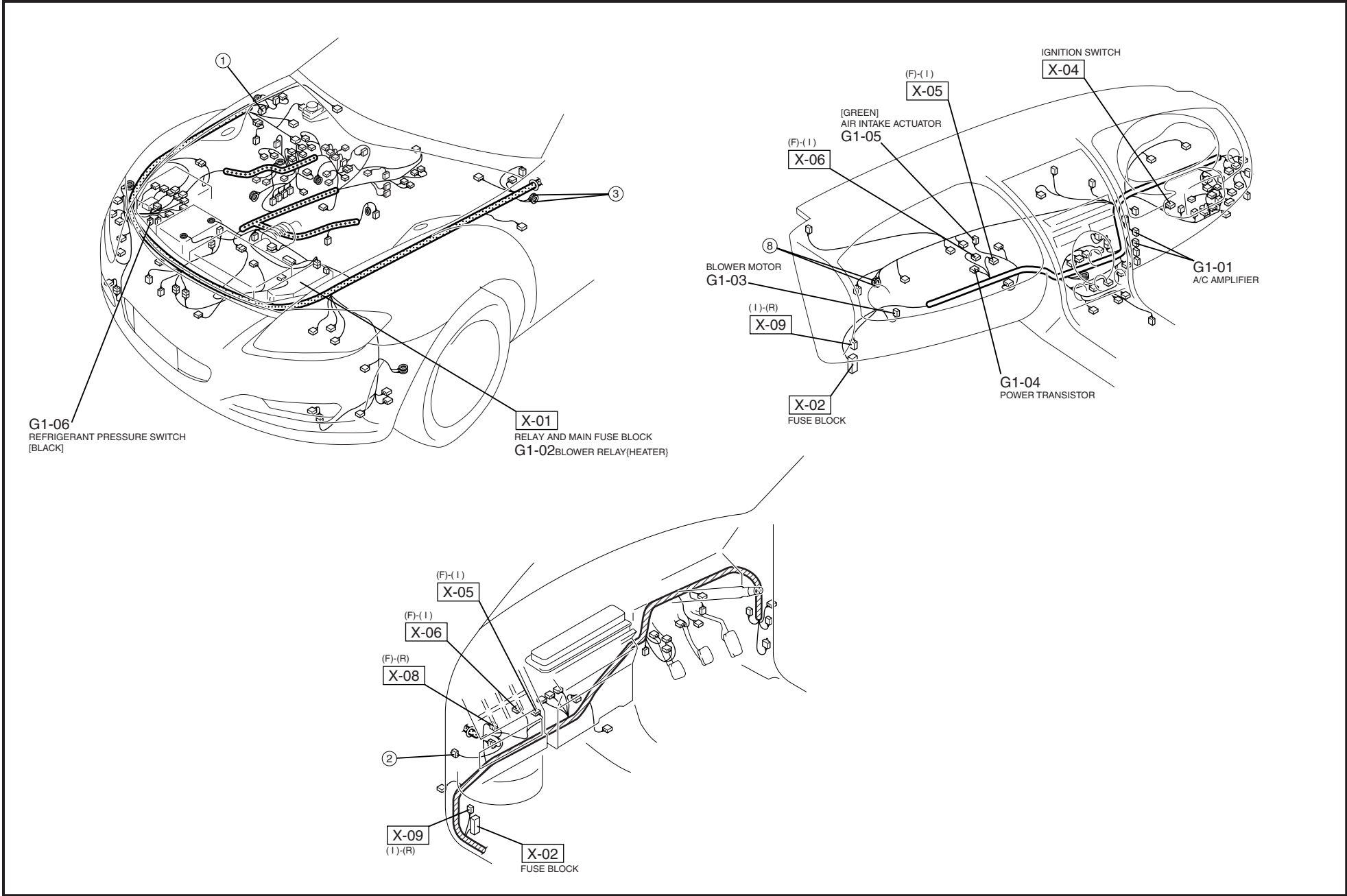
HARNESS SYMBOL:  (F)  (E)  (R)



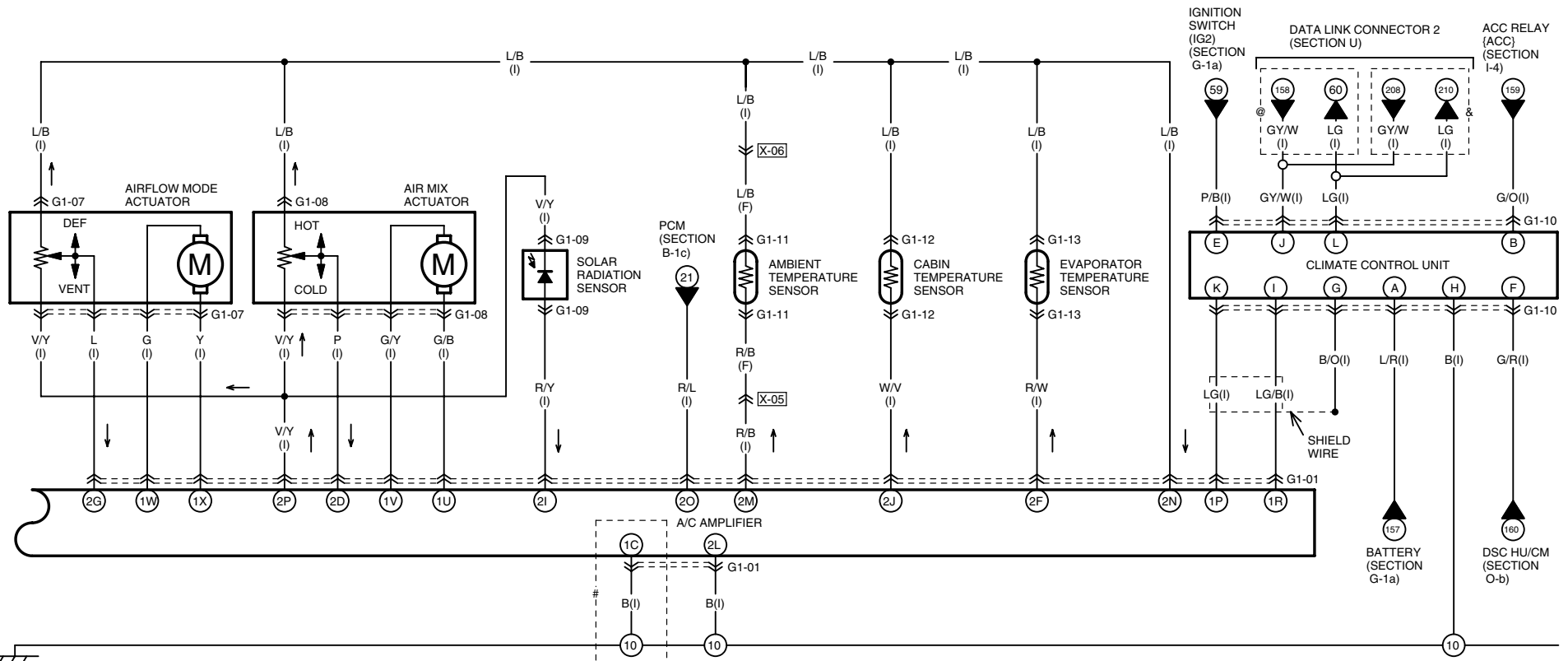


G1-01 A/C AMPLIFIER(I)		G1-02 BLOWER RELAY(HEATER)(F)		G1-03 BLOWER MOTOR(I)	G1-06 REFRIGERANT PRESSURE SWITCH(F)	
<div><div><div>1Q1O1M1K1I1G</div><div><div><div>1W1U1S</div><div><div><div>G</div><div>G/B</div><div>*</div><div>*</div><div>*</div><div>R/W</div><div>GY</div><div>L/O</div><div>*</div><div>*</div><div>*#B</div><div>L/W</div></div><div><div>Y</div><div>G/Y</div><div>*</div><div>LG/B</div><div>LG</div><div>*</div><div>*</div><div>L/R</div><div>*</div><div>*</div><div>*</div><div>L/G</div></div></div><div><div>1X1V1T1R1P1N1L1J1H1F1D1B</div></div></div></div></div></div>		<div><div><div>2O2M2K2I2G2E2C2A</div><div><div><div>R/L</div><div>R/B</div><div>*</div><div>R/Y</div><div>L</div><div>*</div><div>P/B</div><div>L/R</div></div><div><div>V/Y</div><div>L/B</div><div>B</div><div>W/V</div><div>*</div><div>R/W</div><div>P</div><div>*</div></div></div><div><div>2P2N2L2J2H2F2D2B</div></div></div></div>		<div><div><div><div>Y</div><div>L/W</div><div>P/B</div><div>B</div></div><div>FRONT</div><div>NOTE:THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</div></div></div>	<div><div><div>L/W</div><div>B/W</div></div></div> <div><div><div>L/G</div><div>B</div><div>L/W</div><div>B/W</div></div></div>	<div><div><div><div>R/B</div><div>R/W</div><div>B</div><div>LG/R</div></div></div></div>
G1-05 AIR INTAKE ACTUATOR(I)						
<div><div><div><div>P/B</div><div>*</div><div>*</div><div>*</div><div>L/R</div><div>*</div><div>L/O</div></div></div></div>						

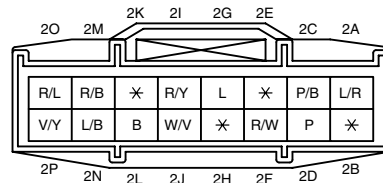
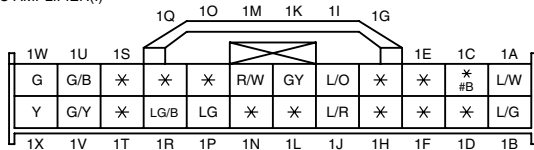
HARNESS SYMBOL:  (F)  (E)  (R)



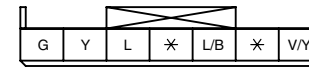
@ ...WITHOUT HANDS-FREE TELEPHONE(HF/TEL)SYSTEM  
& ...WITH HANDS-FREE TELEPHONE(HF/TEL)SYSTEM # ...U.K.specs.



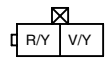
G1-01 A/C AMPLIFIER(I)



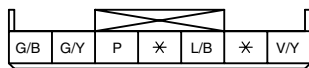
G1-07 AIRFLOW MODE ACTUATOR(I)



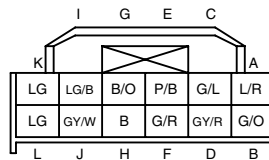
G1-09 SOLAR RADIATION SENSOR(I)



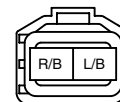
G1-08 AIR MIX ACTUATOR(I)



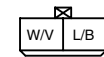
G1-10 CLIMATE CONTROL UNIT(I)



G1-11 AMBIENT TEMPERATURE SENSOR(F)



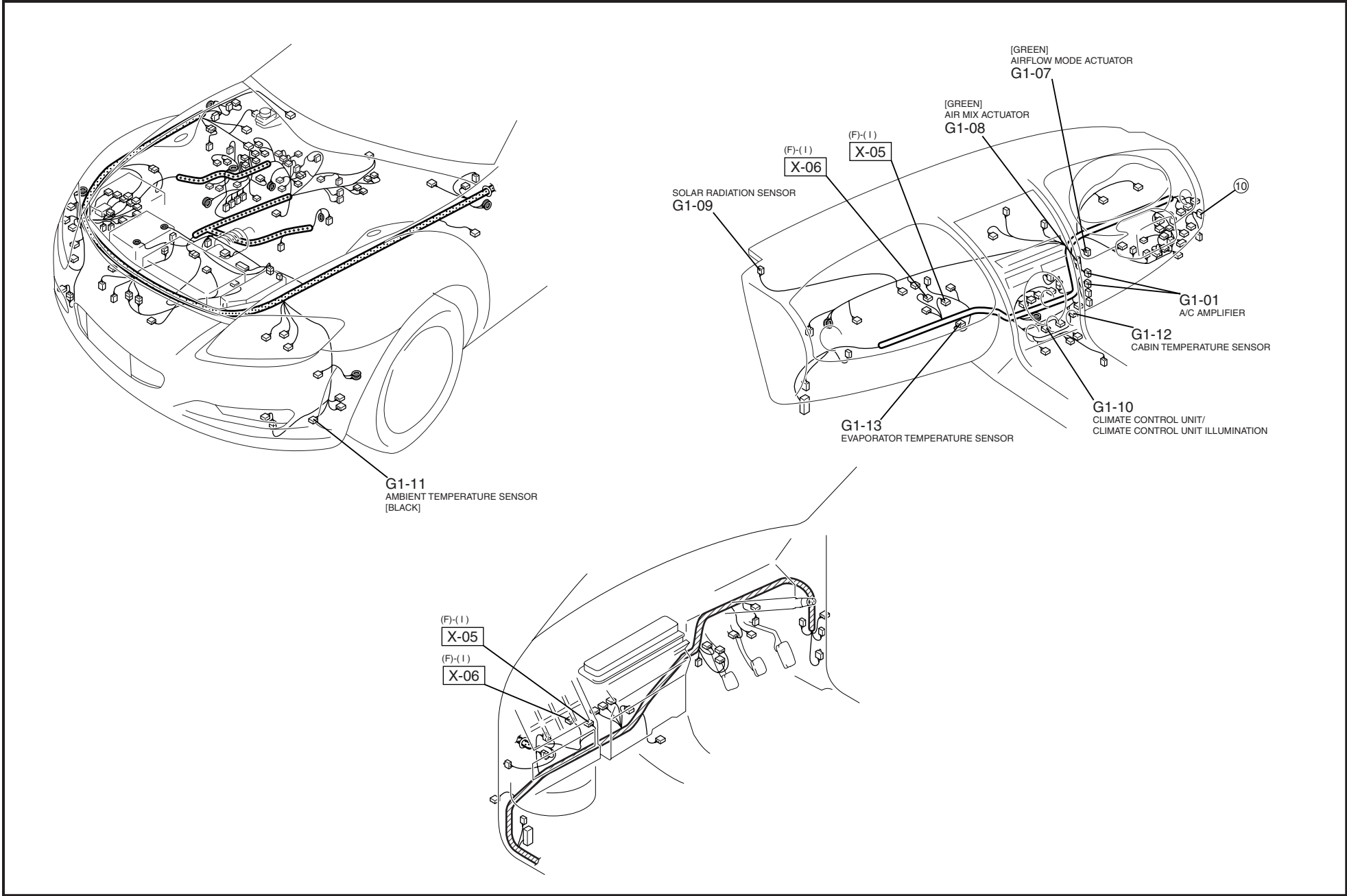
G1-12 CABIN TEMPERATURE SENSOR(I)



G1-13 EVAPORATOR TEMPERATURE SENSOR(I)



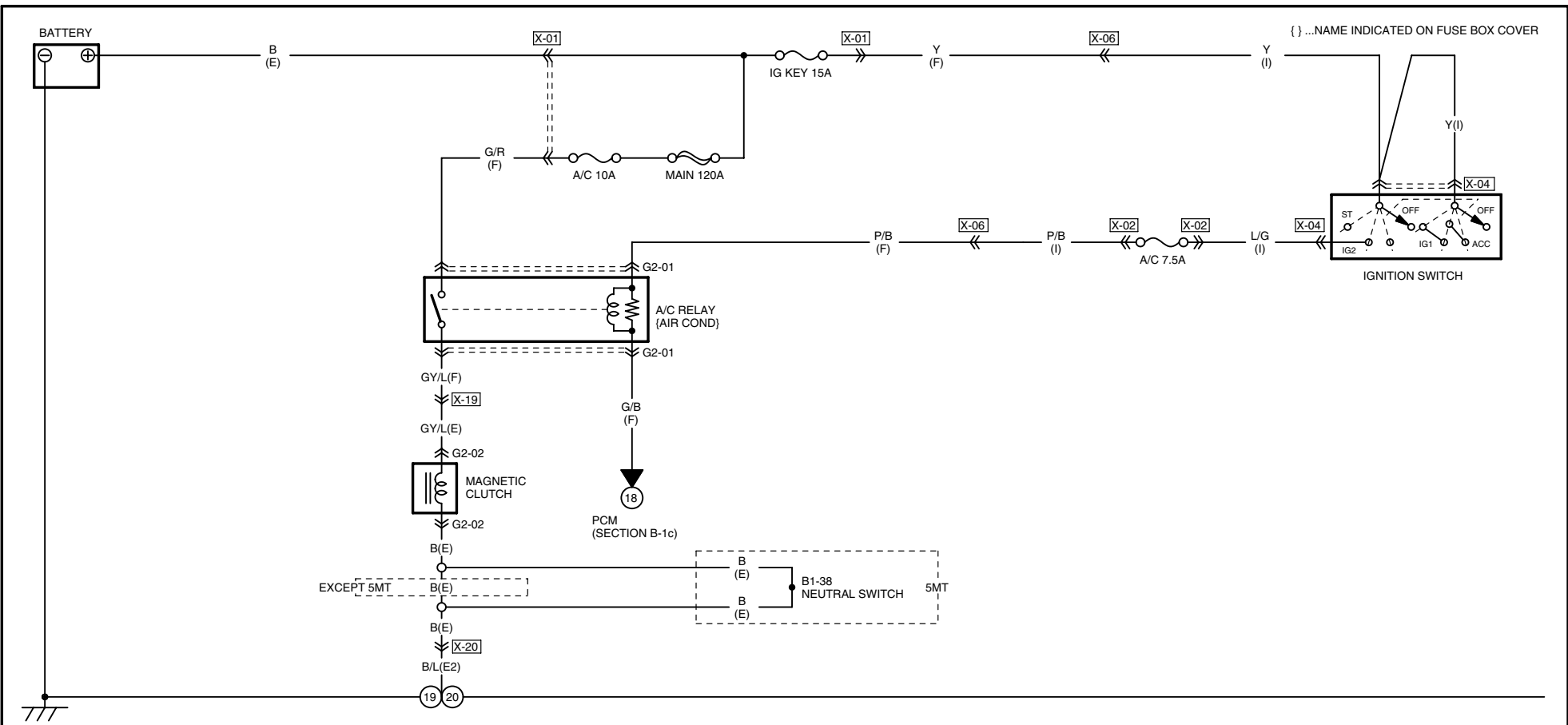
HARNESS SYMBOL:  (F)  (E)  (R)

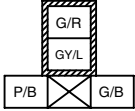
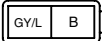





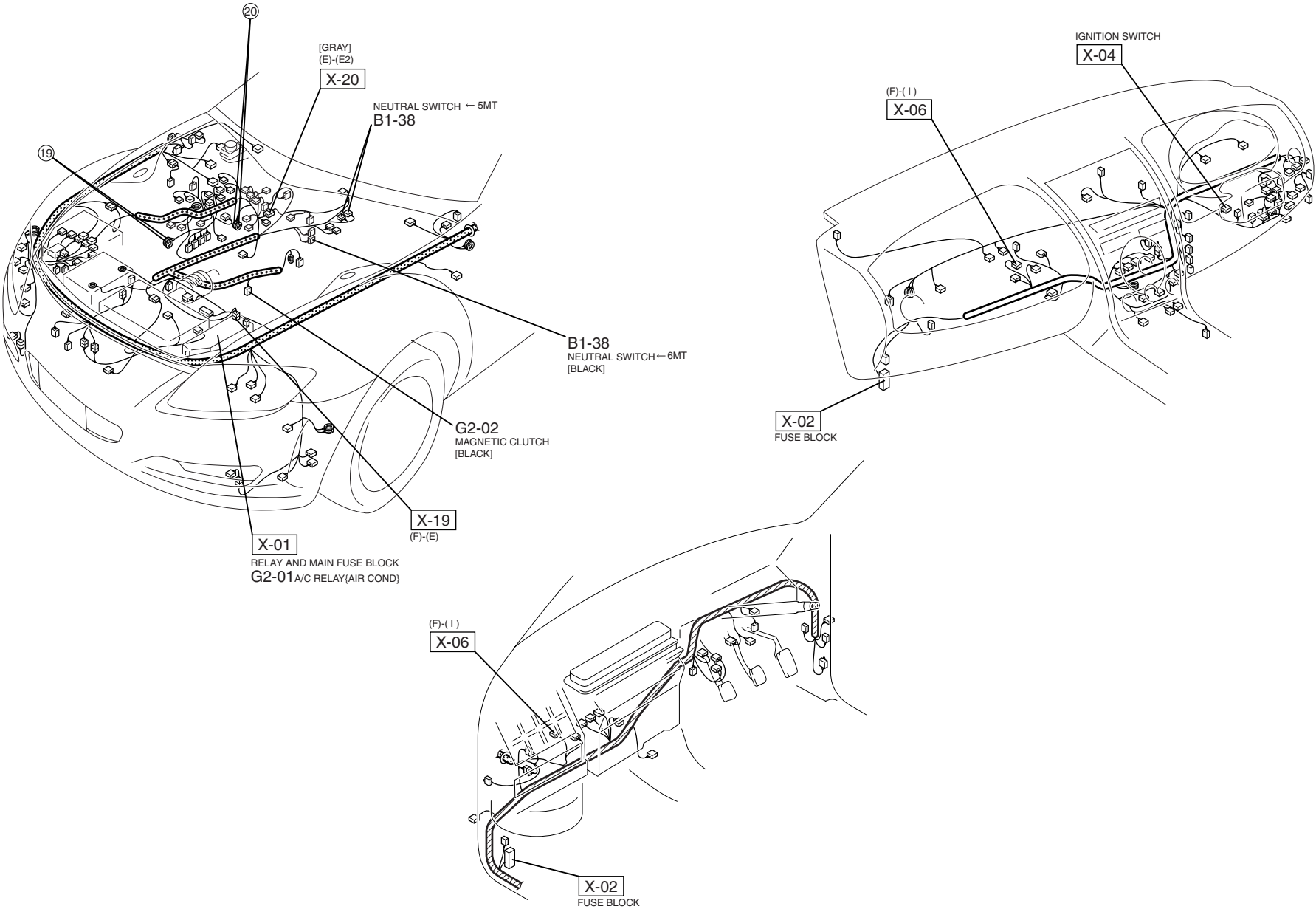
MAGNETIC CLUTCH CONTROL SYSTEM

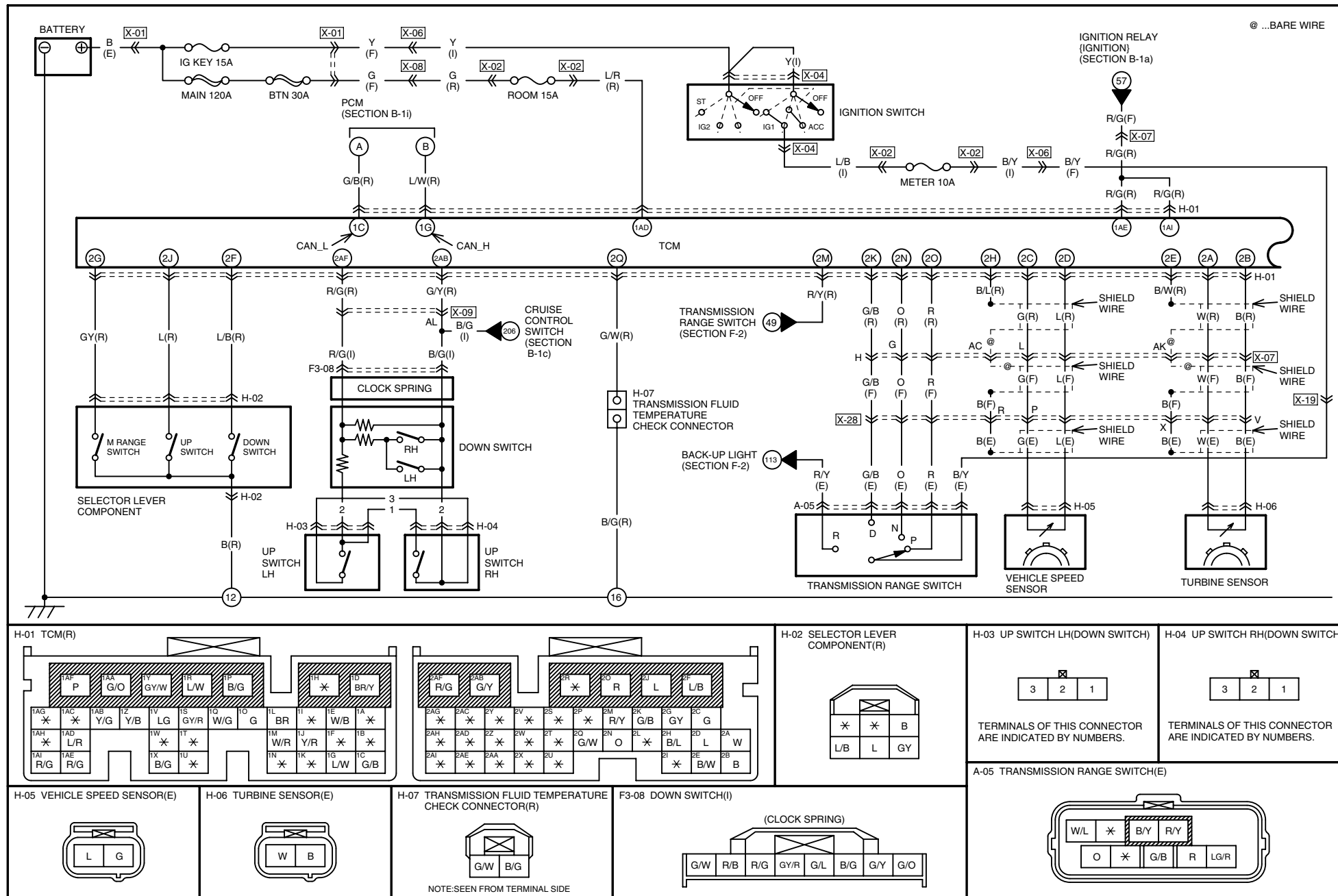
G-2



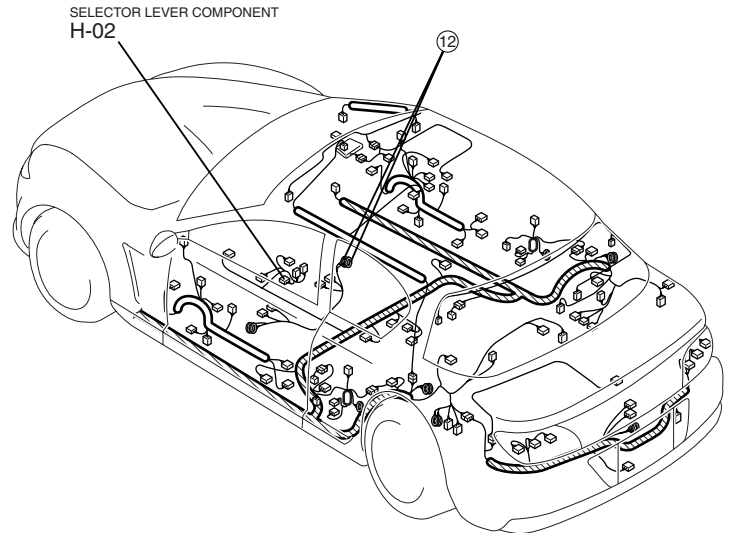
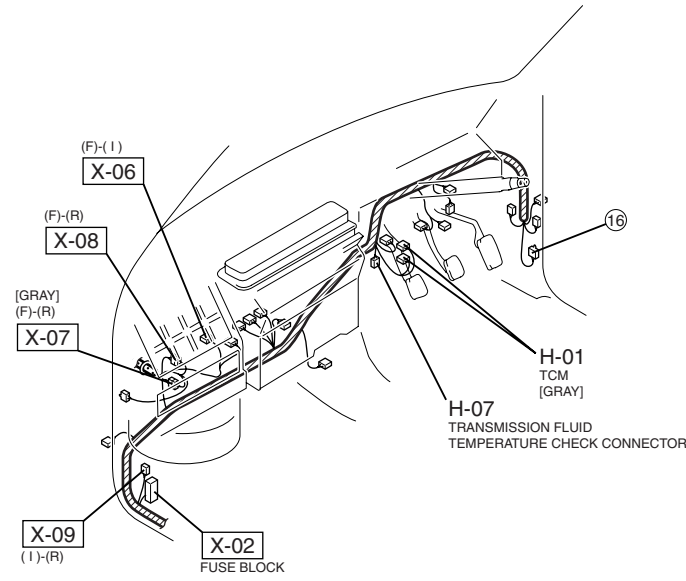
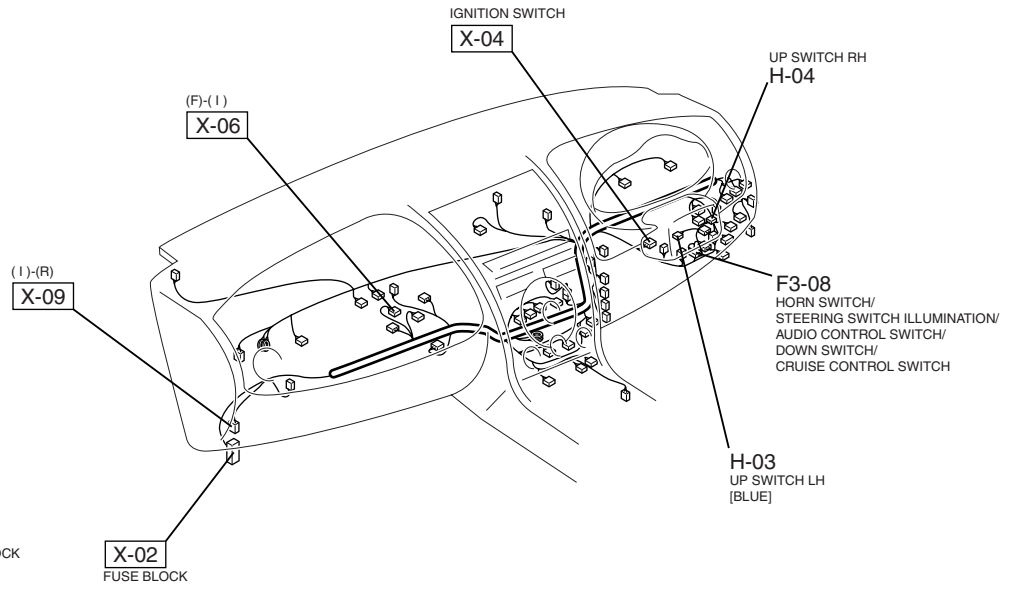
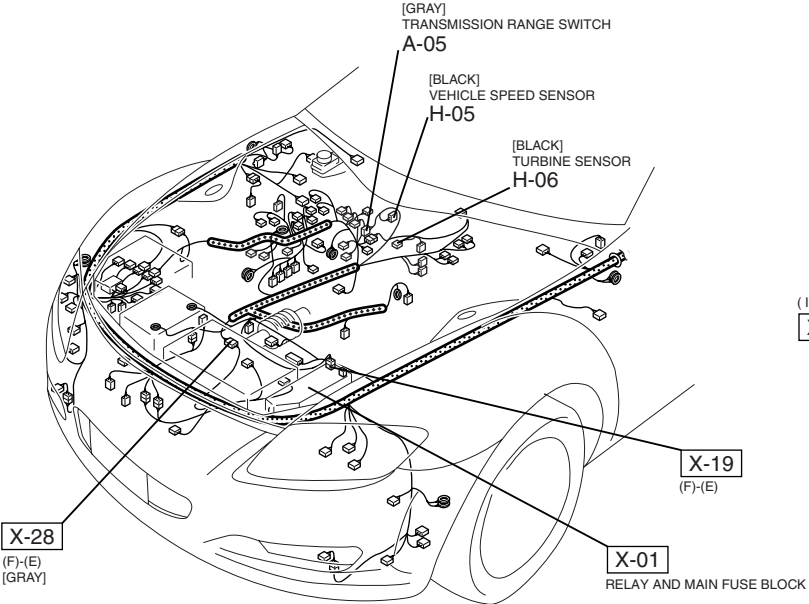
<p>G2-01 A/C RELAY(AIR COND)(F)</p>  <p>FRONT</p> <p>NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.</p>	<p>G2-02 MAGNETIC CLUTCH(E)</p> 	<p>B1-38 NEUTRAL SWITCH(E)</p> 				
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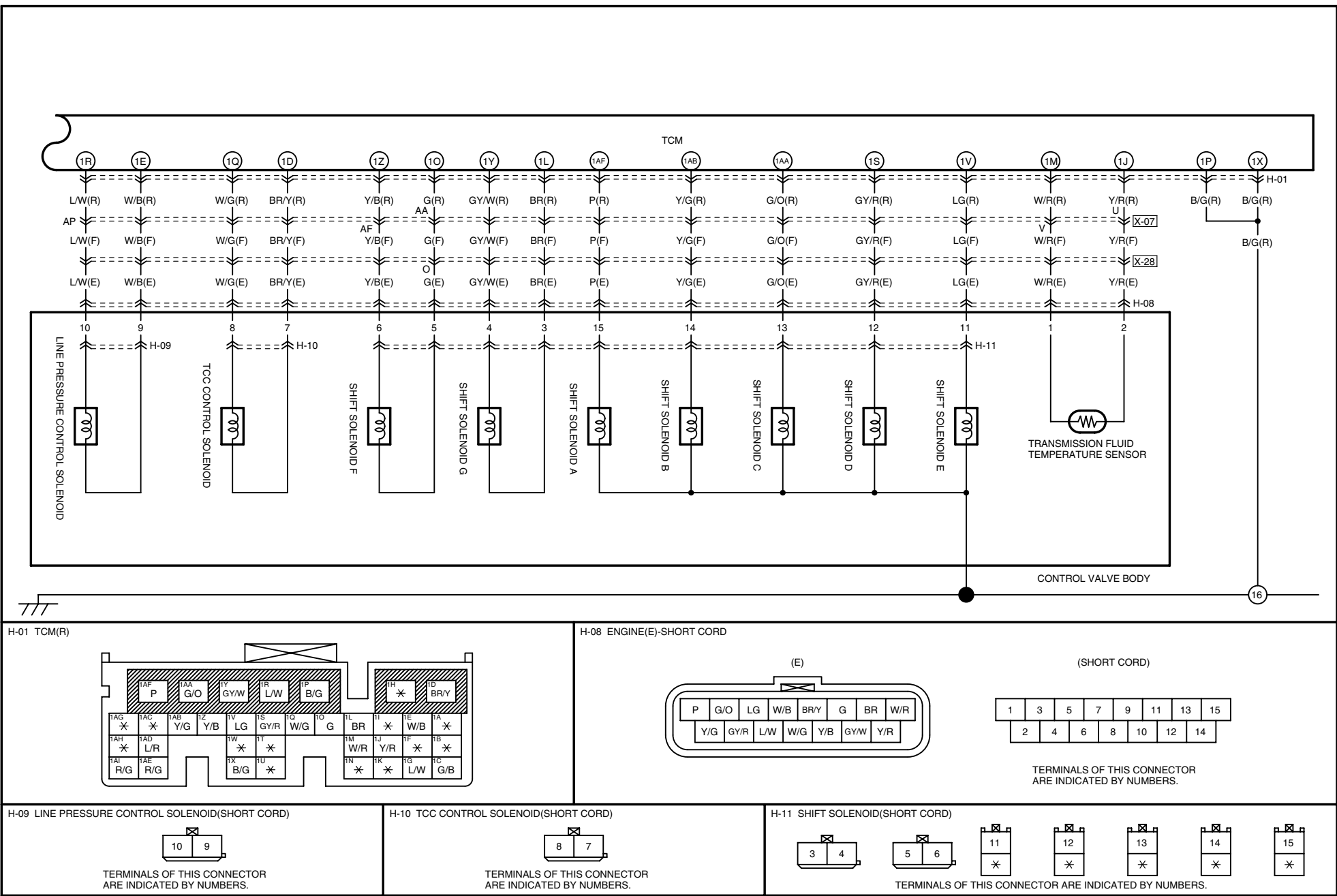
HARNESS SYMBOL:  (F)  (E)  (R)



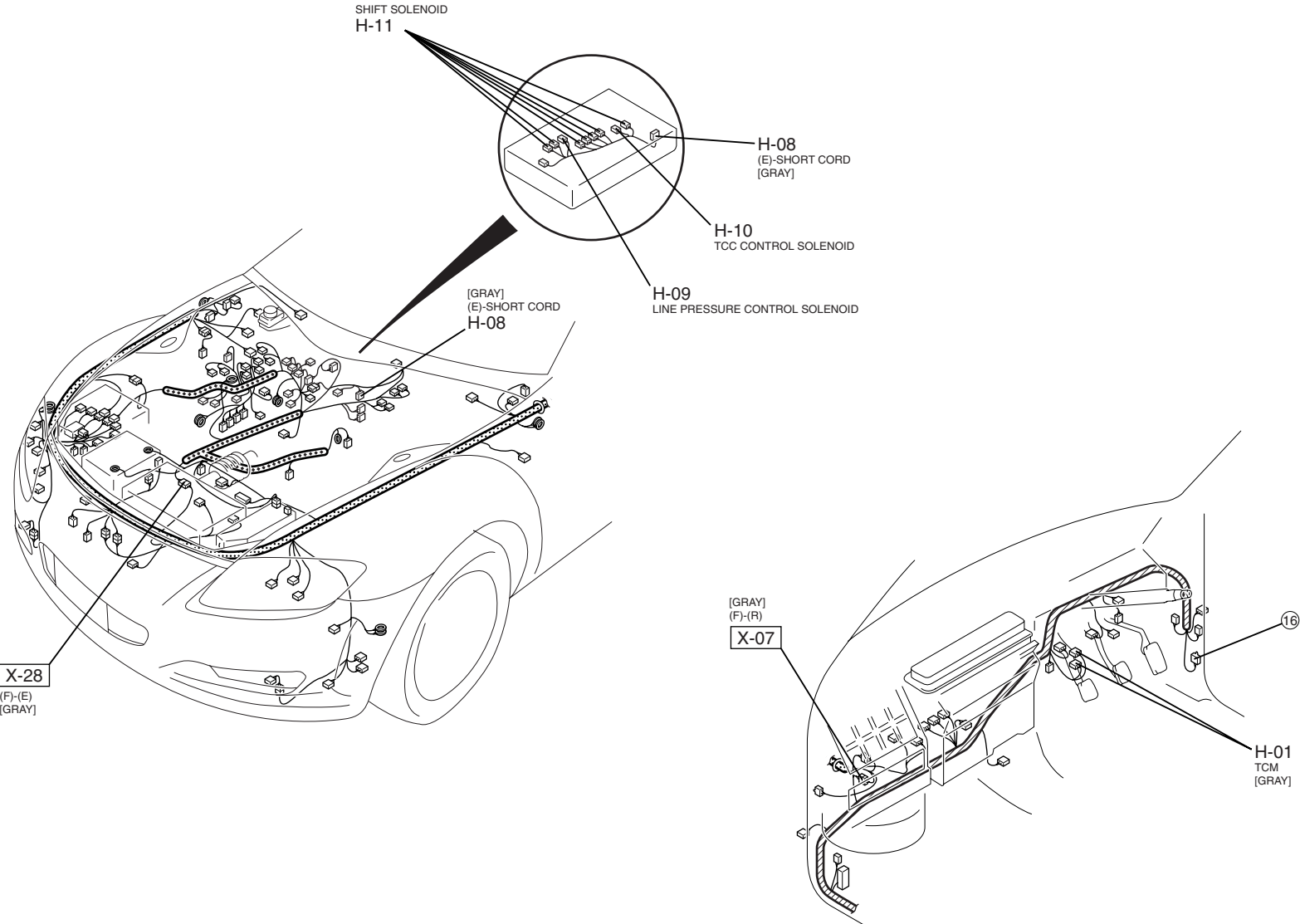


HARNESS SYMBOL:  (F)  (E)  (R)

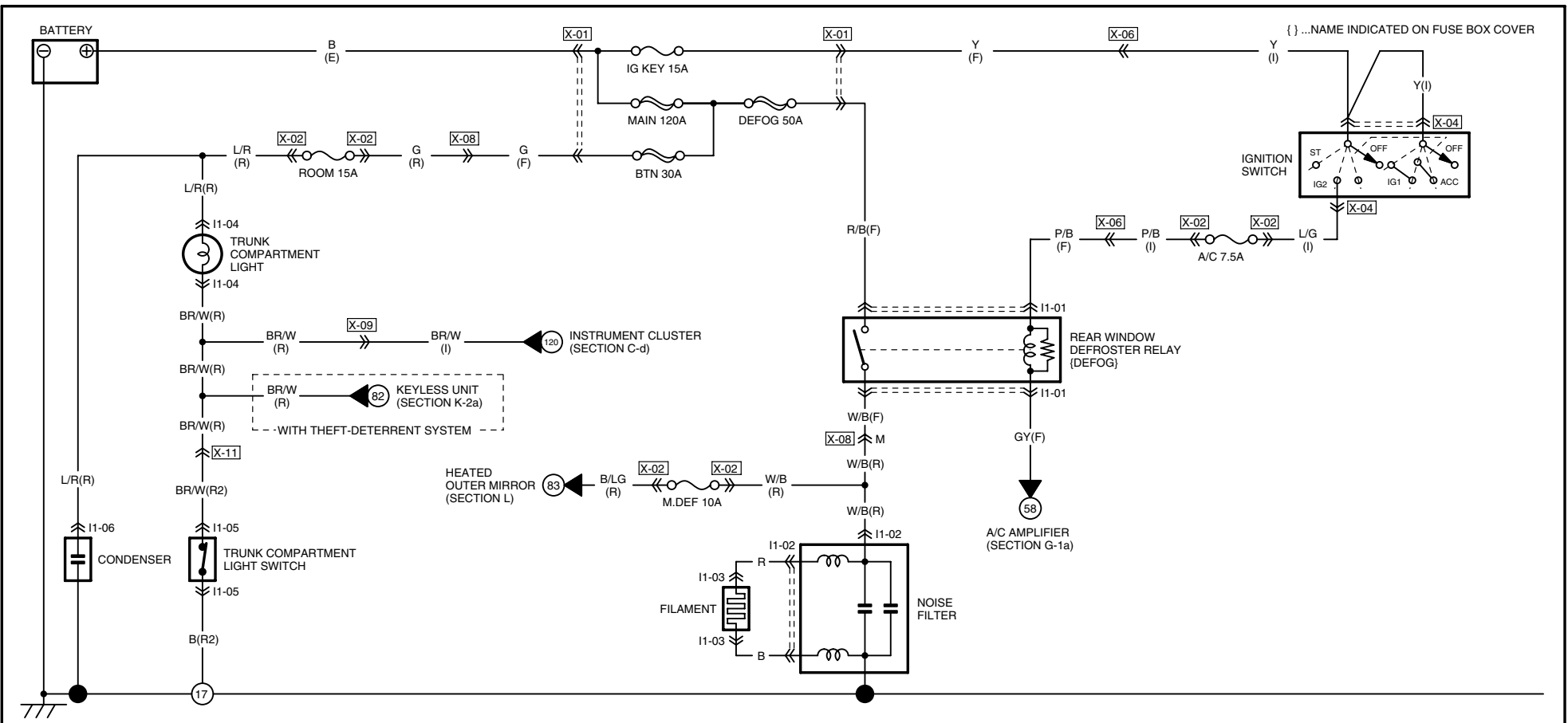


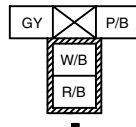
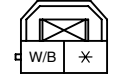

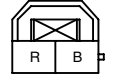

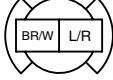
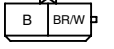


HARNESS SYMBOL:  (F)  (E)  (R)

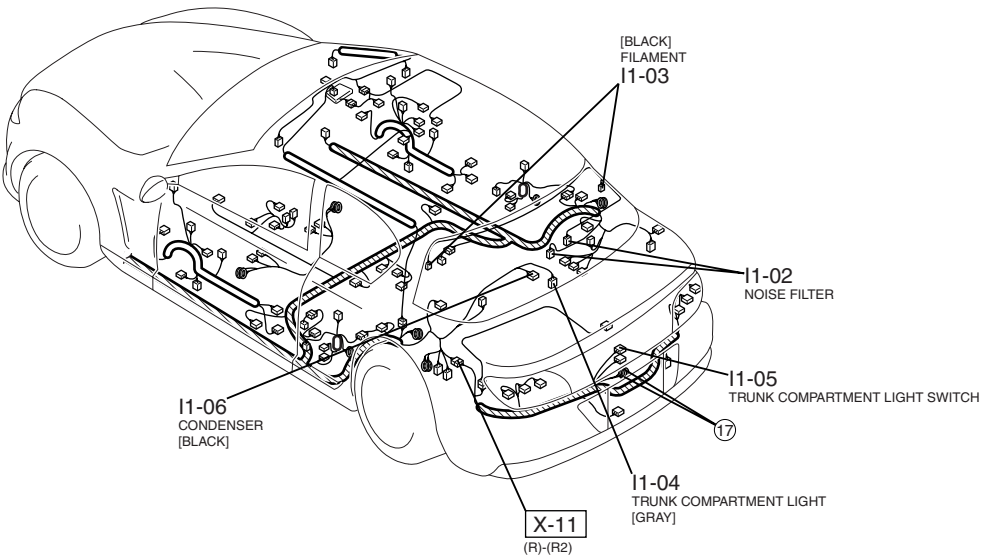
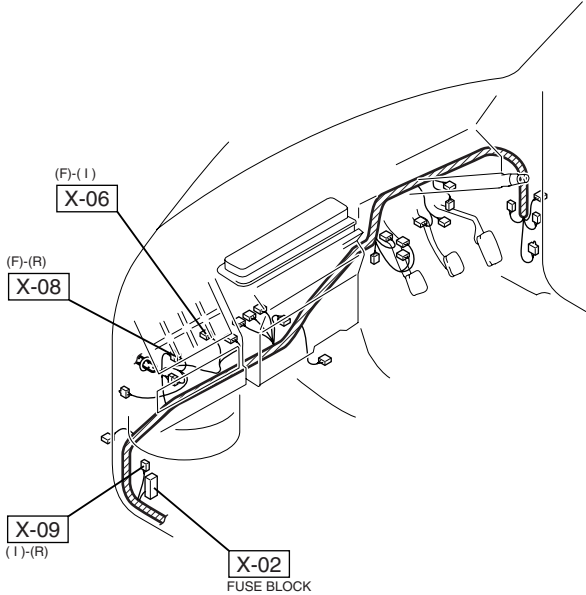
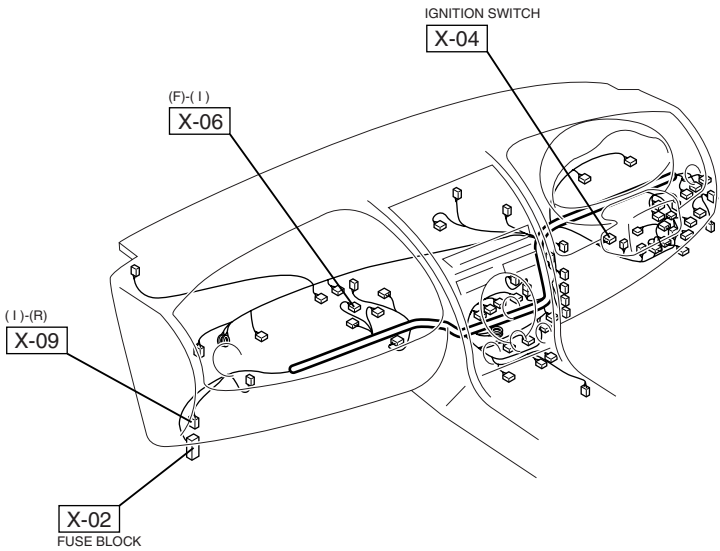
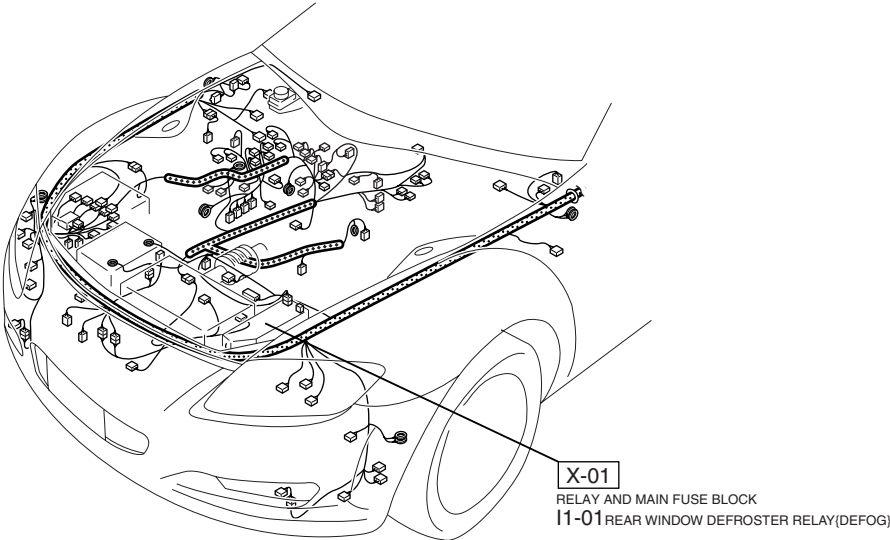


REAR WINDOW DEFROSTER / TRUNK COMPARTMENT LIGHT



I1-01 REAR WINDOW DEFROSTER RELAY(DEFROG)(F)  FRONT NOTE:THIS IS TH CONNECTORE AS SEEN FROM THE TERMINAL SIDE.	I1-02 NOISE FILTER (R)  I1-06 CONDENSER(R) 	(SHORT CORD)  I1-03 FILAMENT(SHORT CORD) 	I1-04 TRUNK COMPARTMENT LIGHT(R) 	I1-05 TRUNK COMPARTMENT LIGHT SWITCH (R2) 

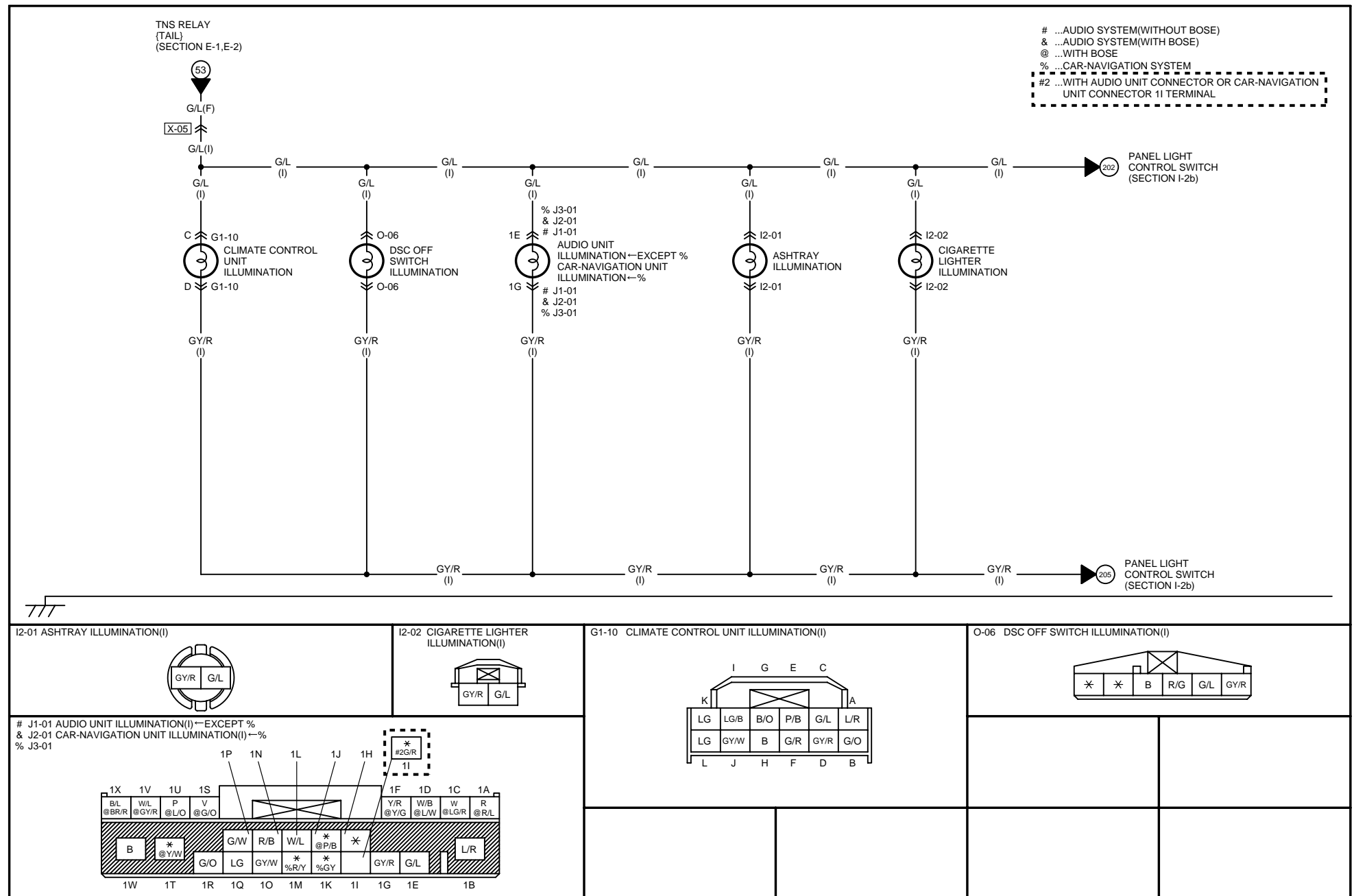
HARNESS SYMBOL:  (F)  (E)  (R)



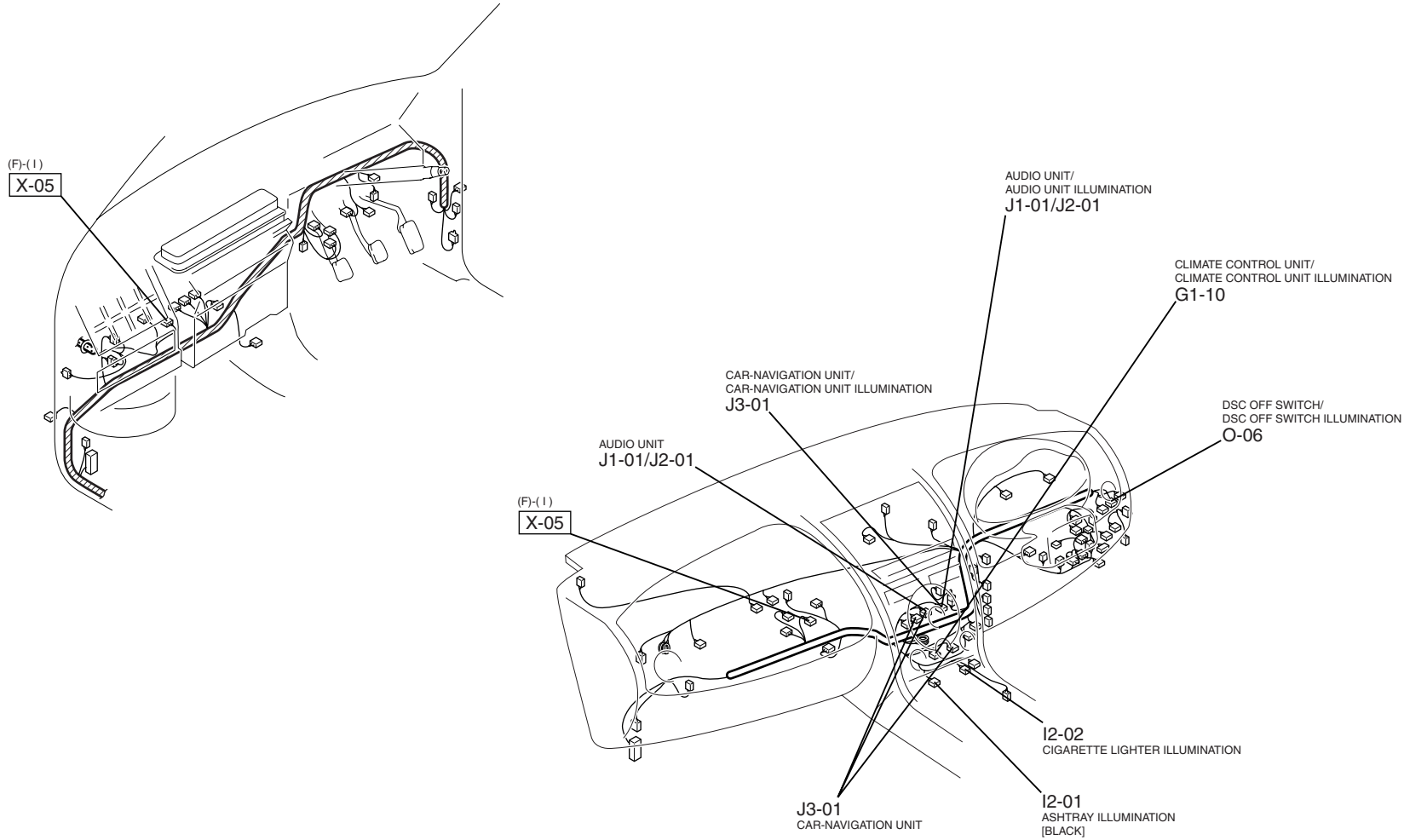


## Revised 9/2008 (Ref. No. L102/08)

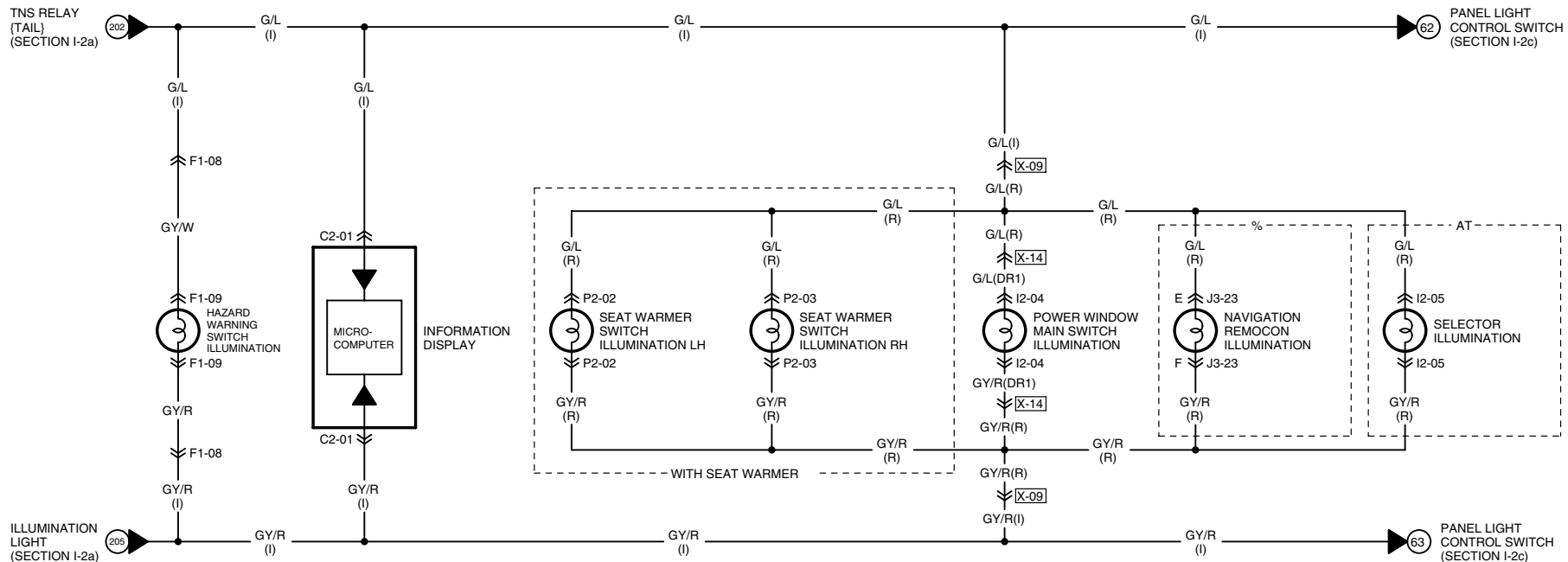
## Mazda RX-8 Wiring Diagram (5758-1\*-08D)



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



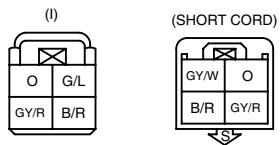
< > ...WITH PASSENGER-SIDE AIR BAG CUT-OFF SYSTEM  
 % ...CAR-NAVIGATION SYSTEM



I2-04 POWER WINDOW MAIN SWITCH ILLUMINATION(DR1)



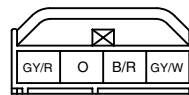
F1-08 INSTRUMENT PANEL(I)-SHORT CORD



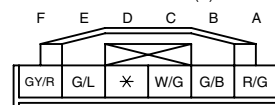
I2-05 SELECTOR ILLUMINATION(R)



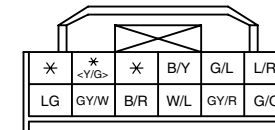
F1-09 HAZARD WARNING SWITCH ILLUMINATION(SHORT CORD)



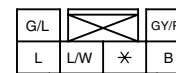
J3-23 NAVIGATION REMOCON ILLUMINATION(R)



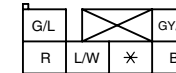
C2-01 INFORMATION DISPLAY(I)



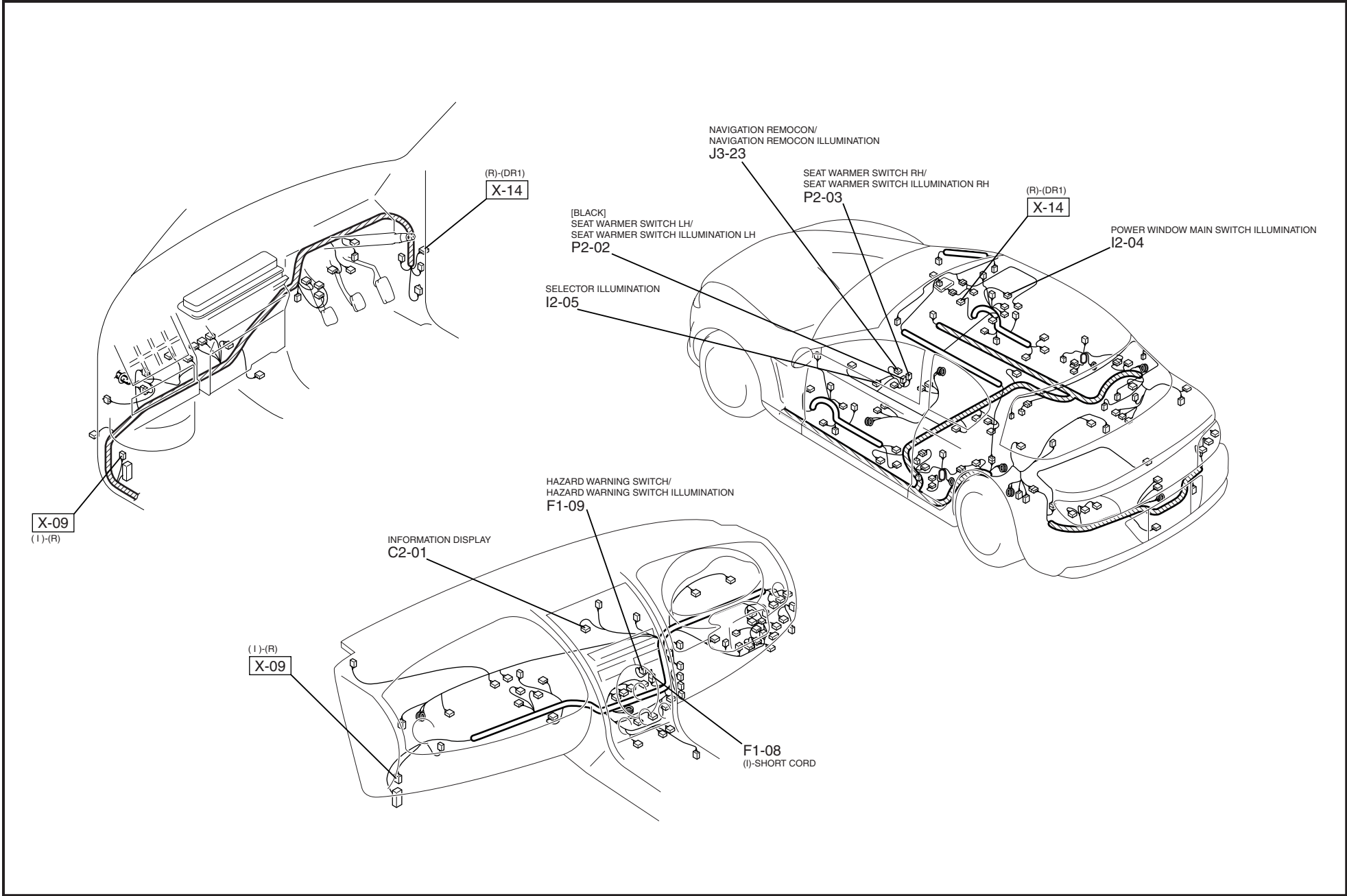
P2-02 SEAT WARMER SWITCH ILLUMINATION LH(R)

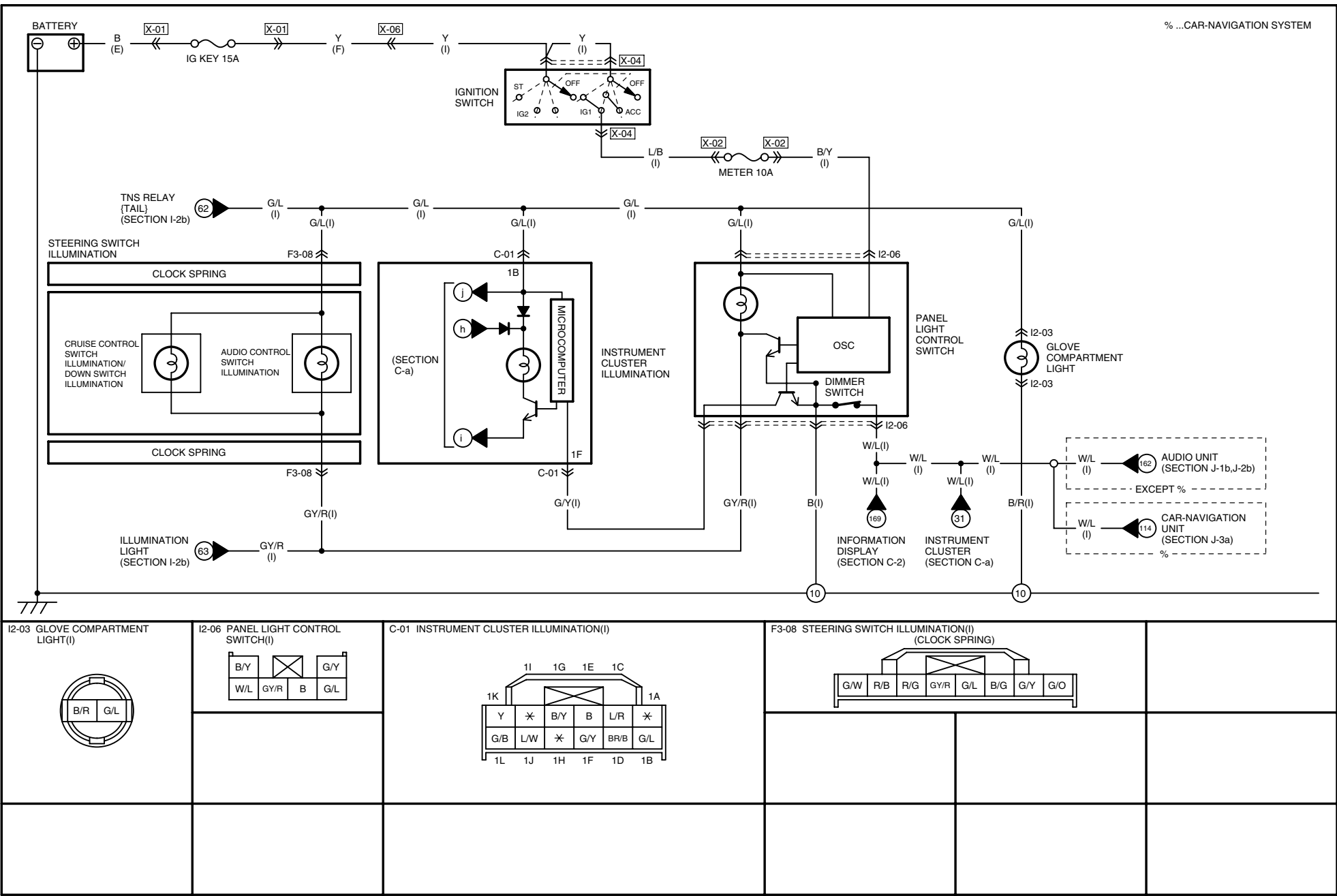


P2-03 SEAT WARMER SWITCH ILLUMINATION RH(R)

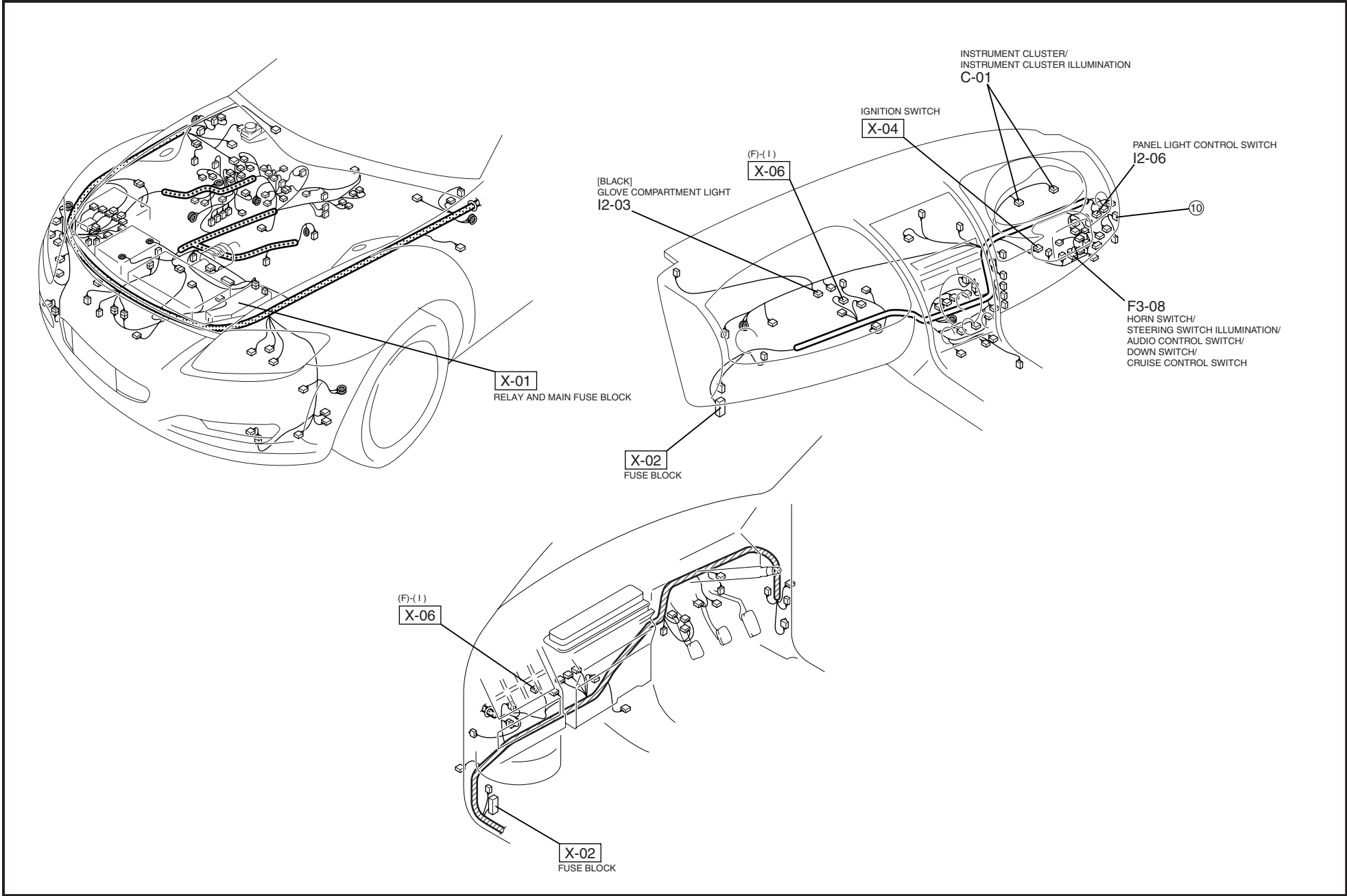


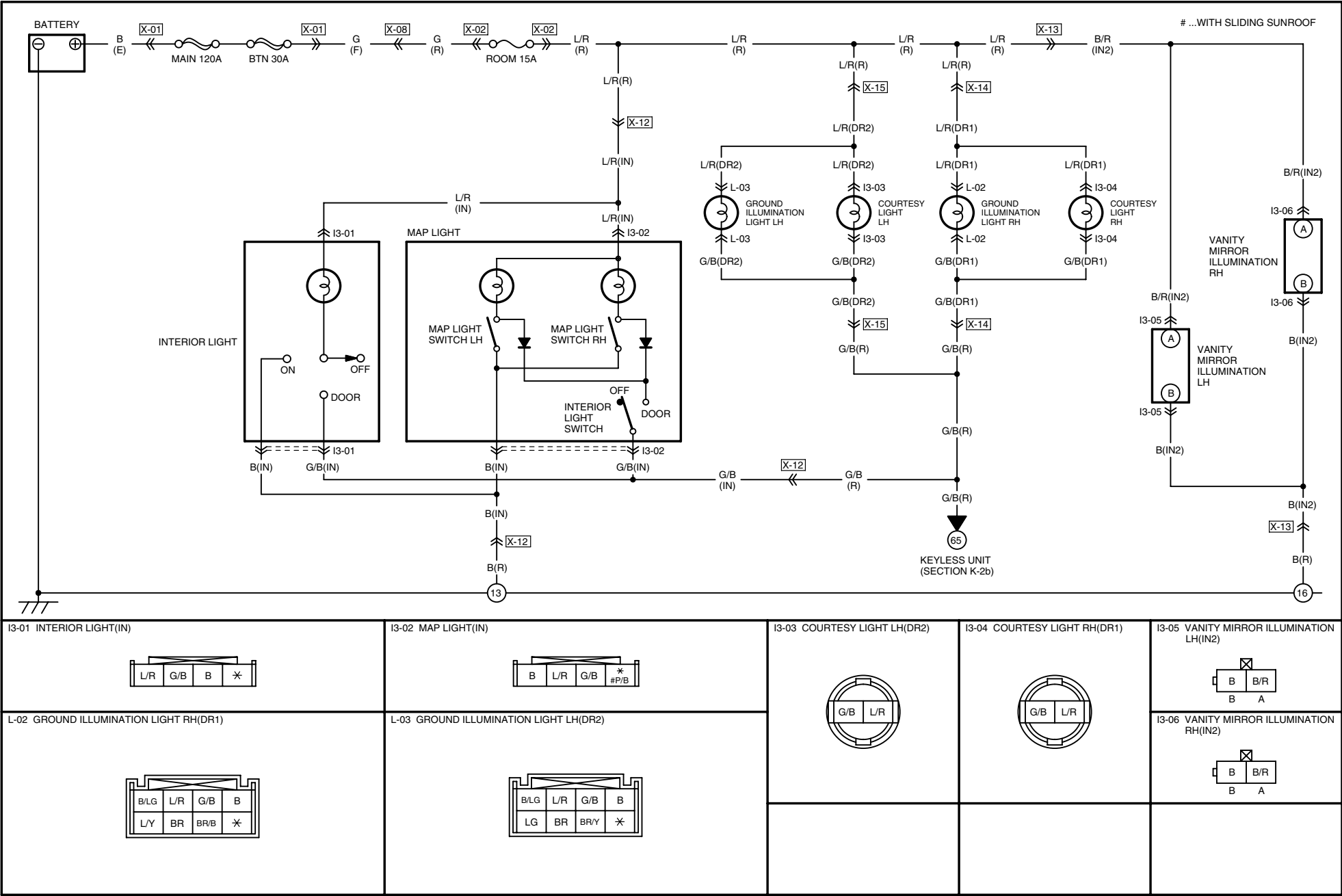
HARNESS SYMBOL:  (F)  (E)  (R)



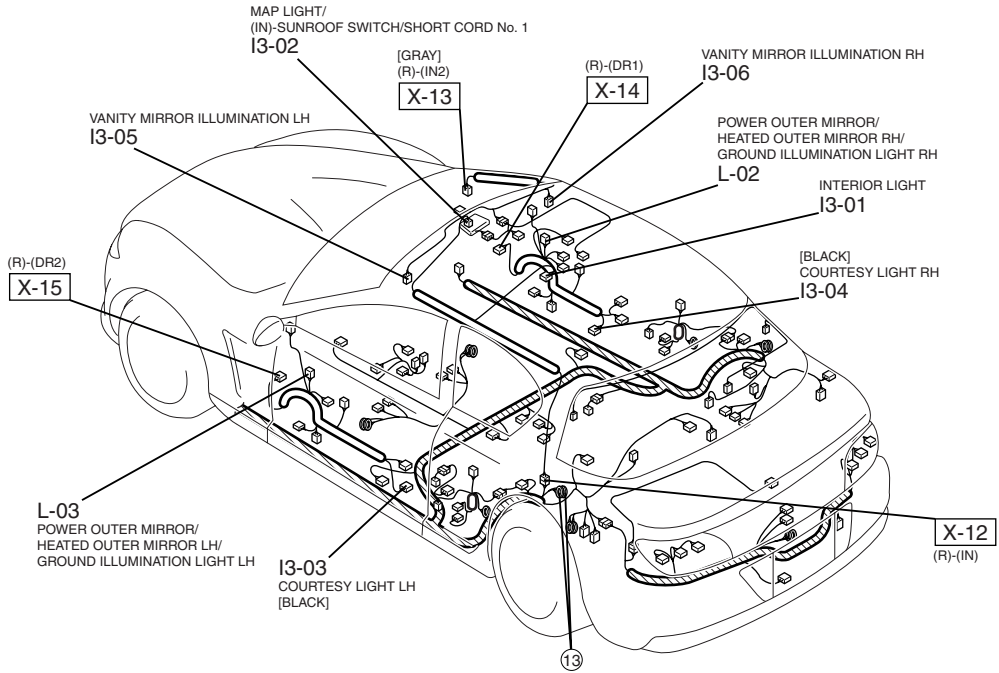
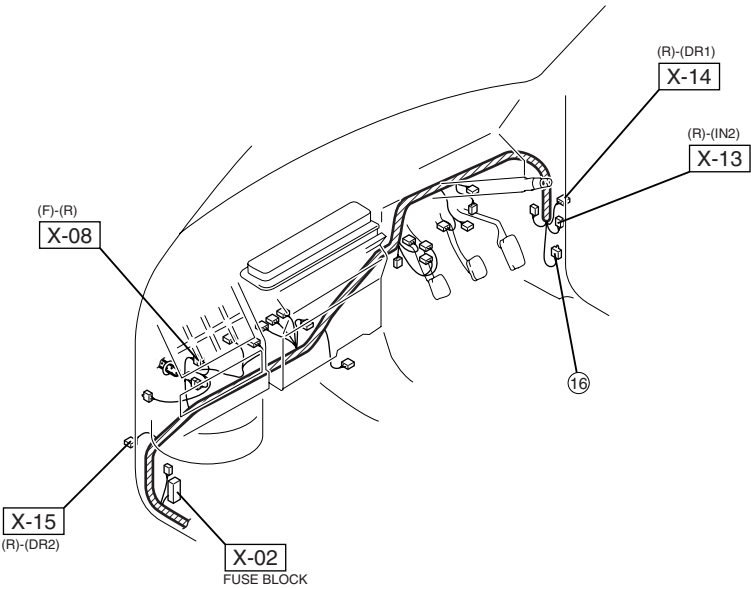
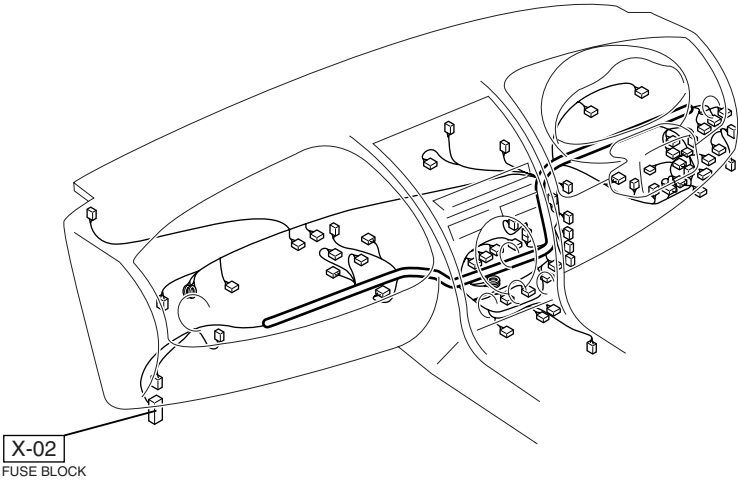
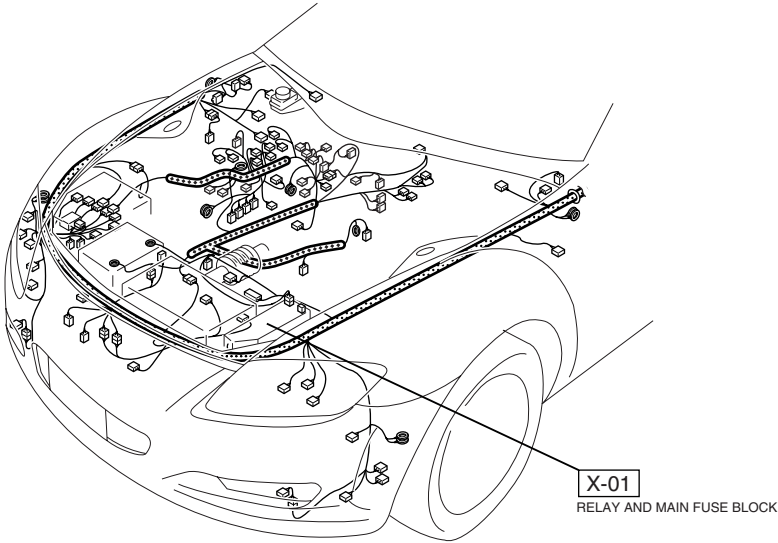


HARNESS SYMBOL:  (F)  (E)  (R)





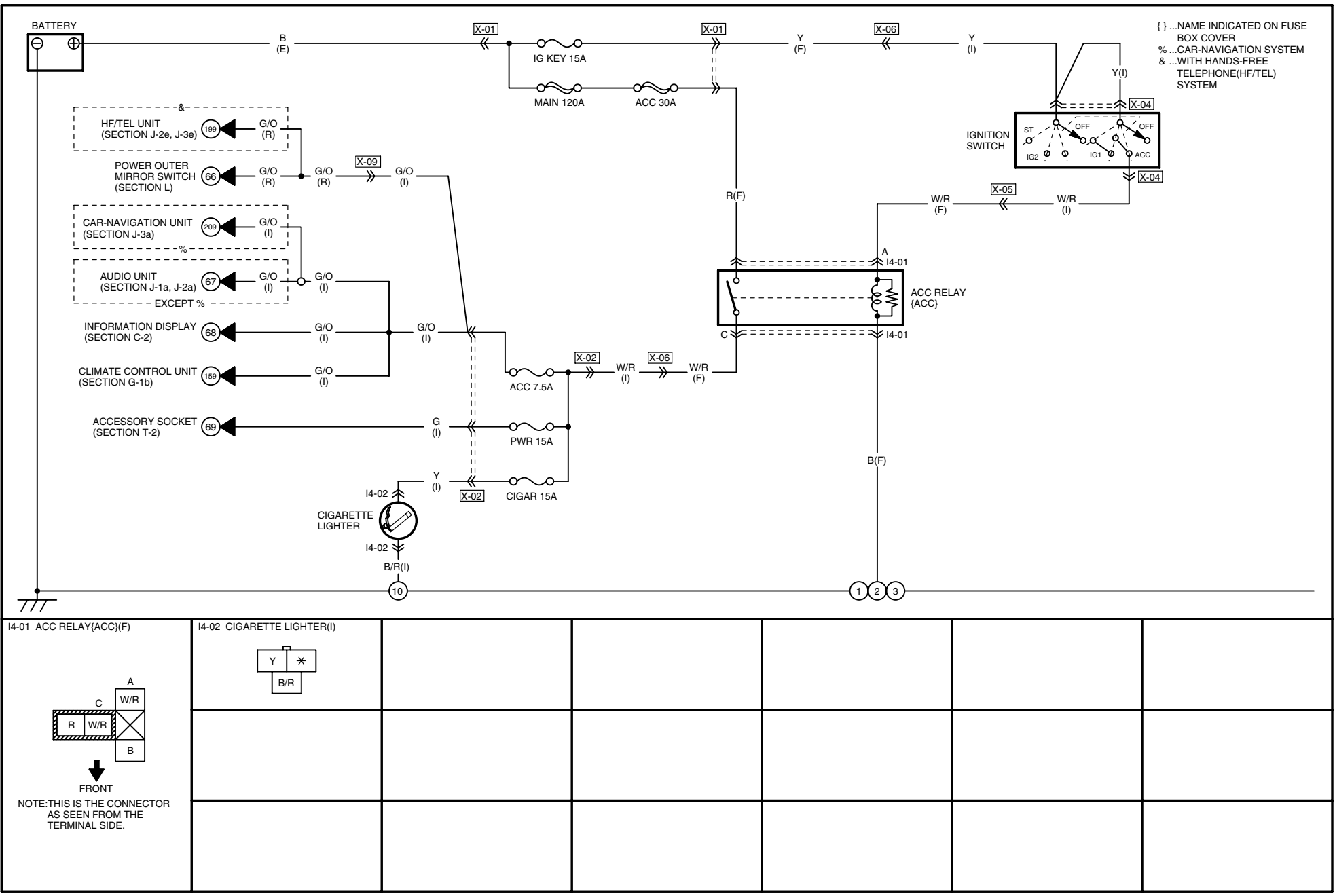
HARNESS SYMBOL:  (F)  (E)  (R)



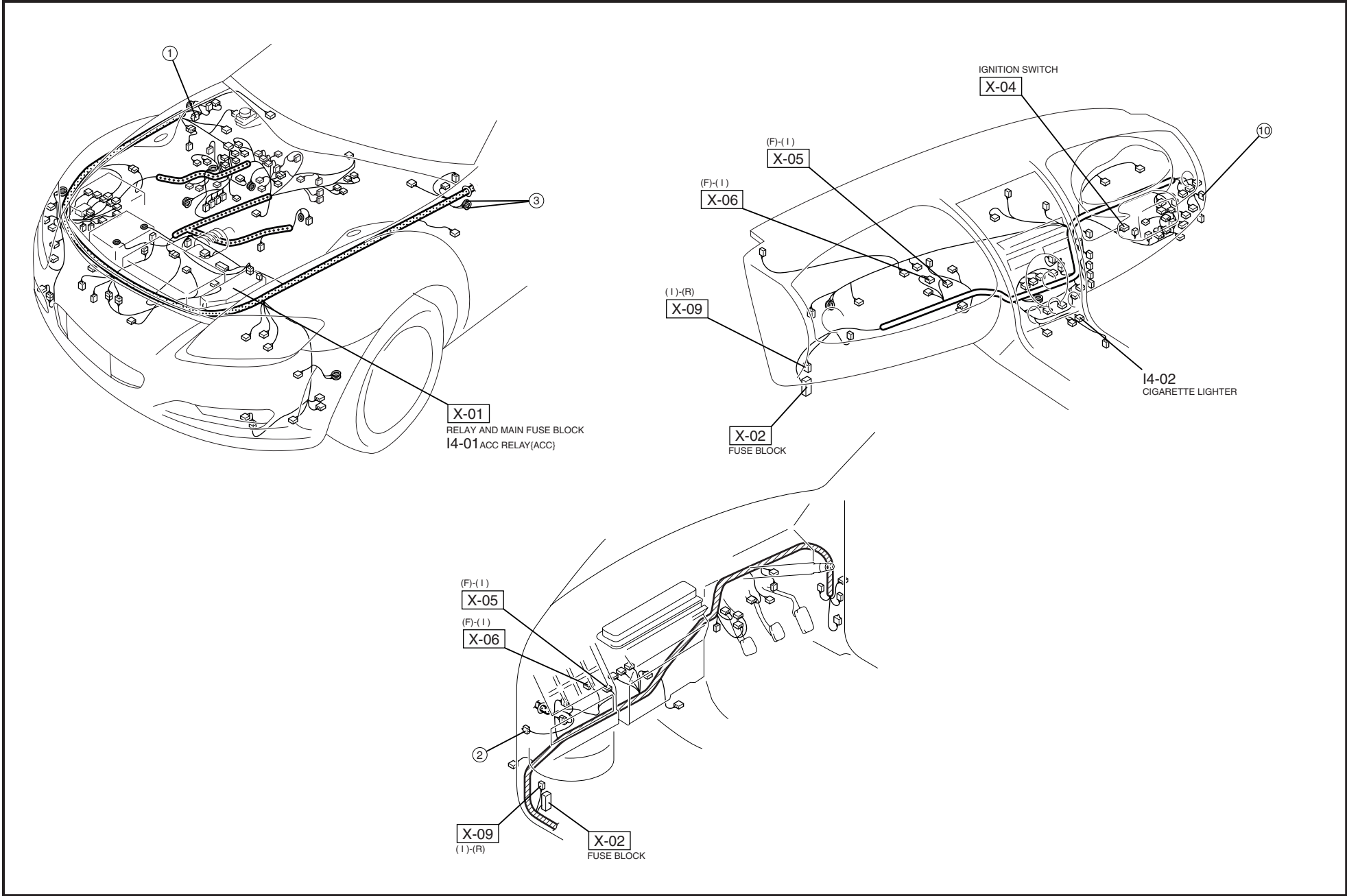


ACC RELAY / CIGARETTE LIGHTER

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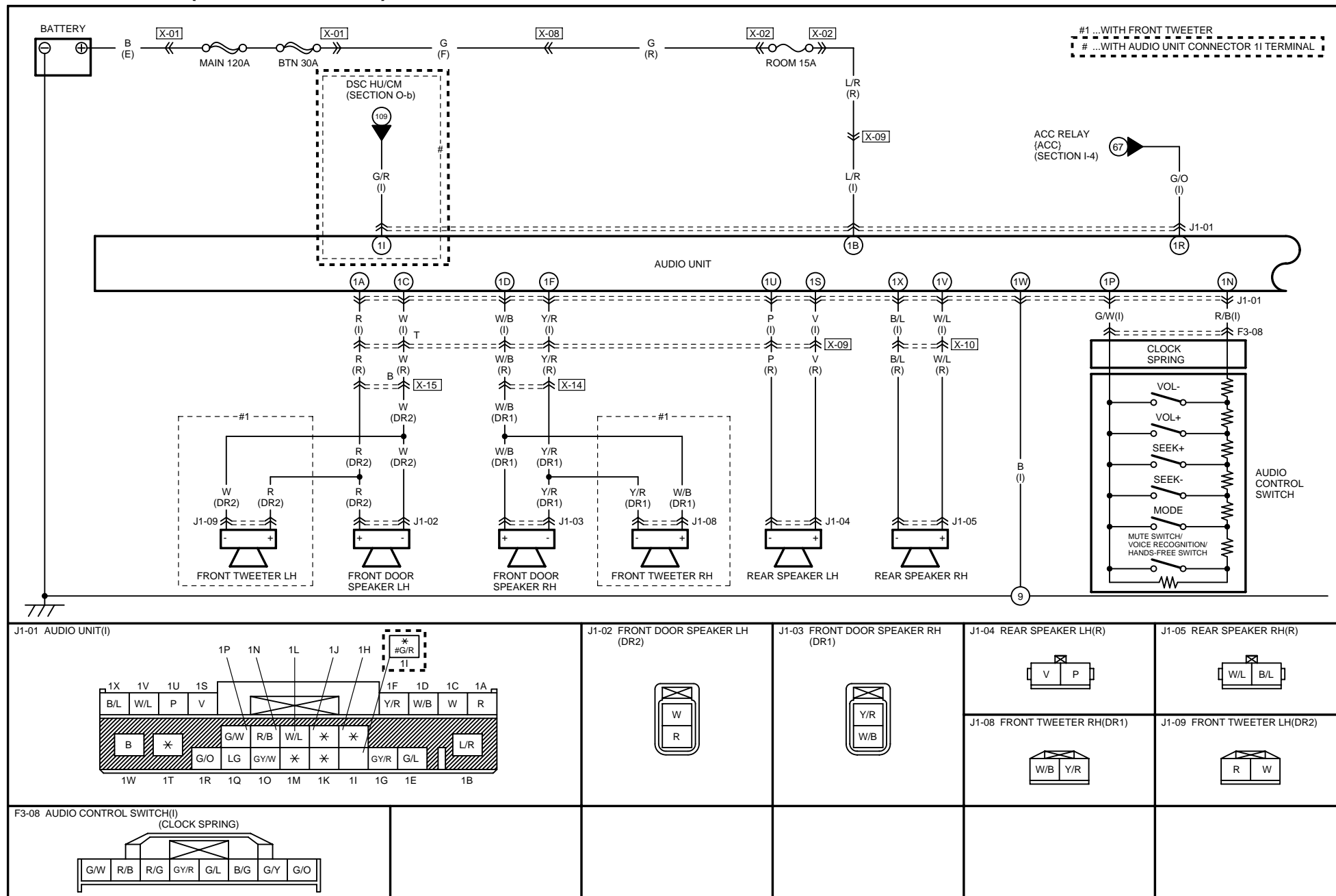


HARNESS SYMBOL:  (F)  (E)  (R)

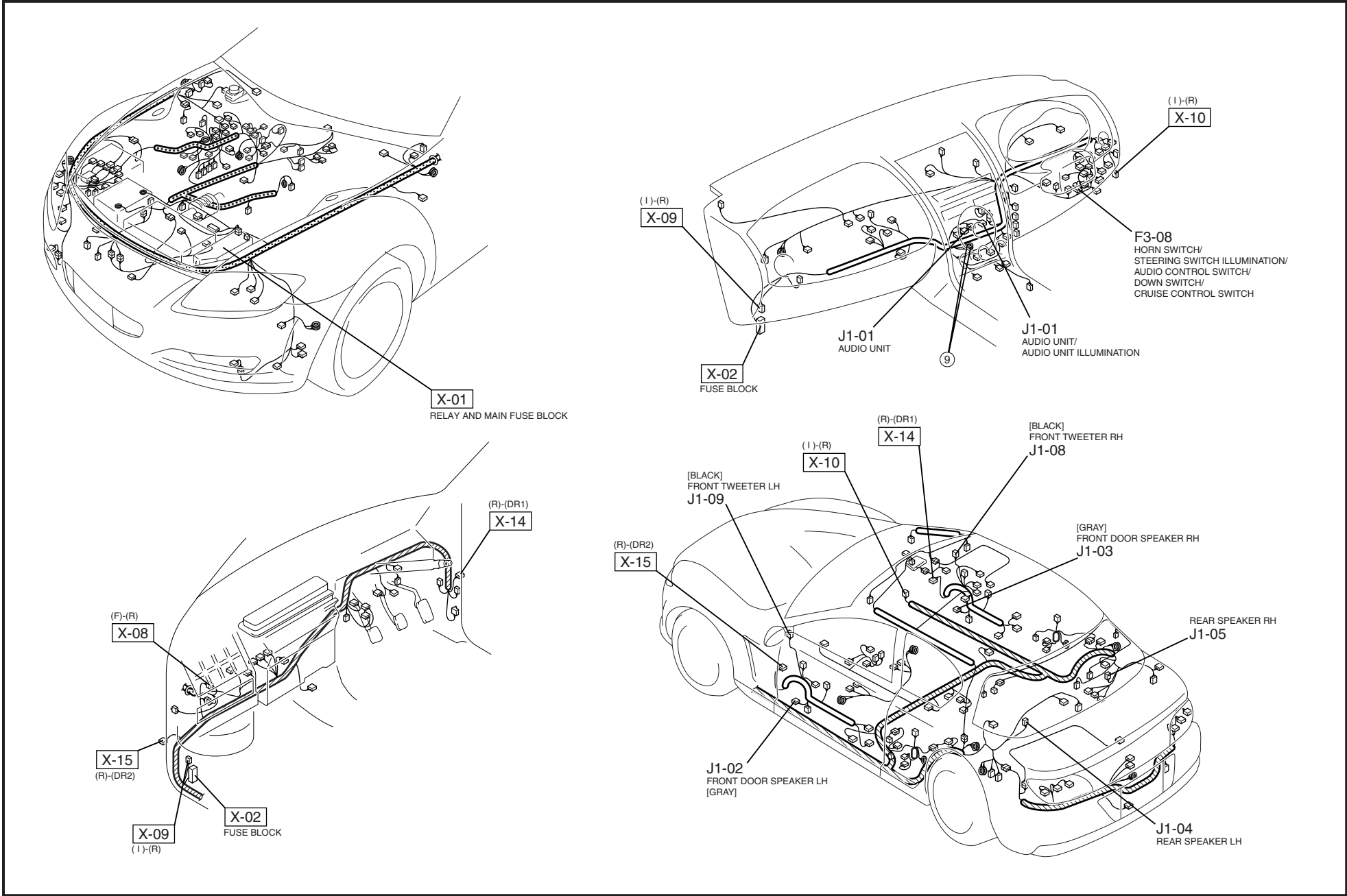


# AUDIO SYSTEM(WITHOUT BOSE)

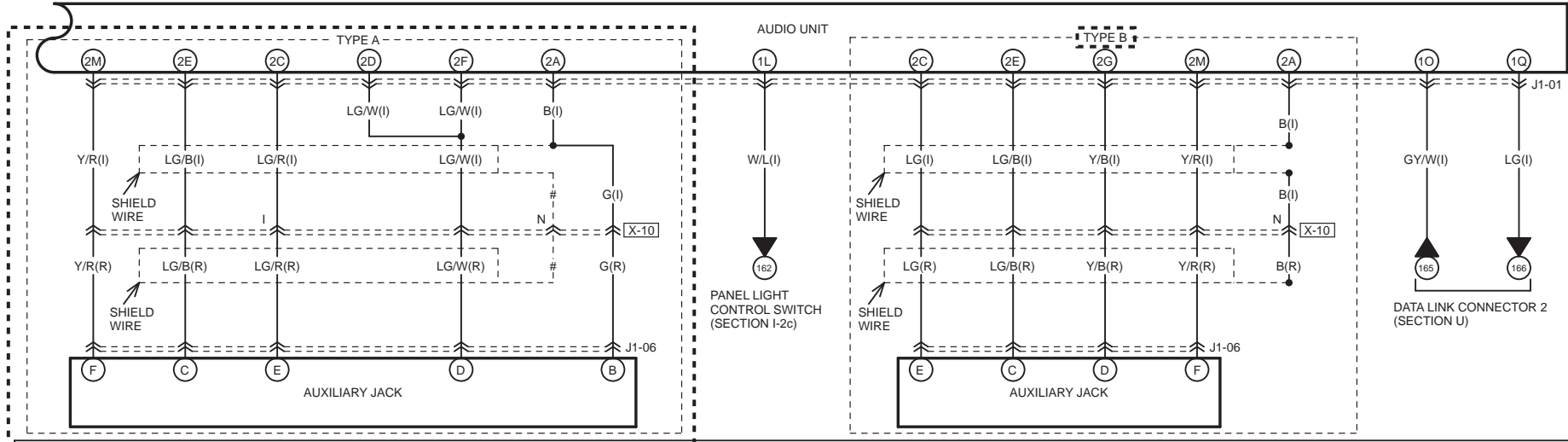
J-1a



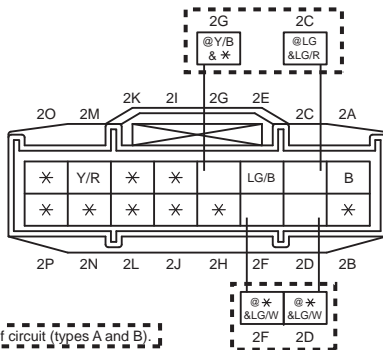
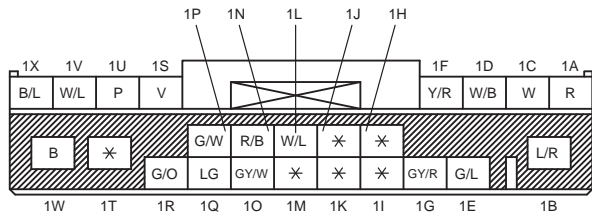
HARNESS SYMBOL:  (F)  (E)  (R)



There are two types of circuit (types A and B).  
& ...TYPE A  
@ ...TYPE B  
# ...BARE WIRE

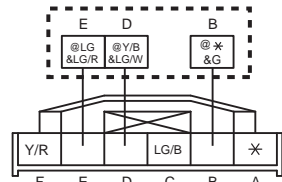


J1-01 AUDIO UNIT(I)



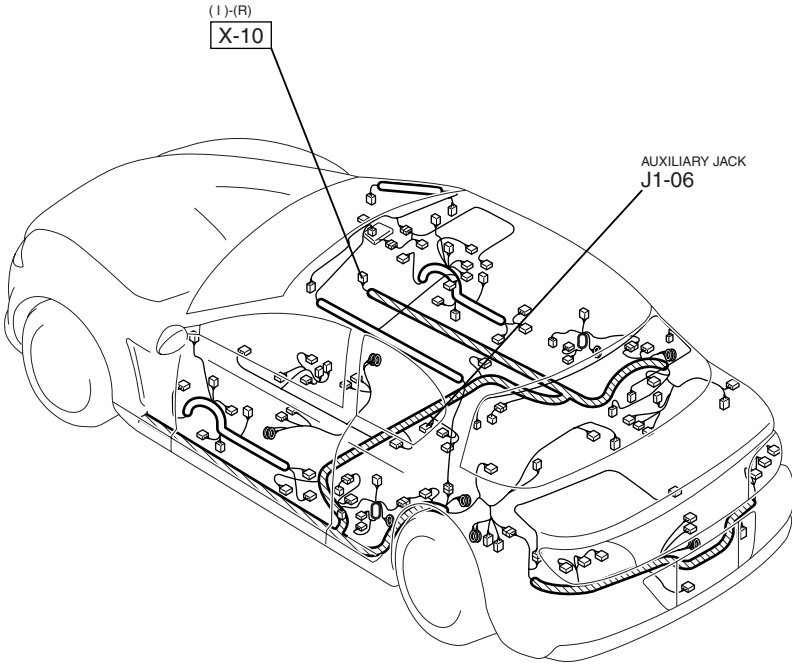
There are two types of circuit (types A and B).

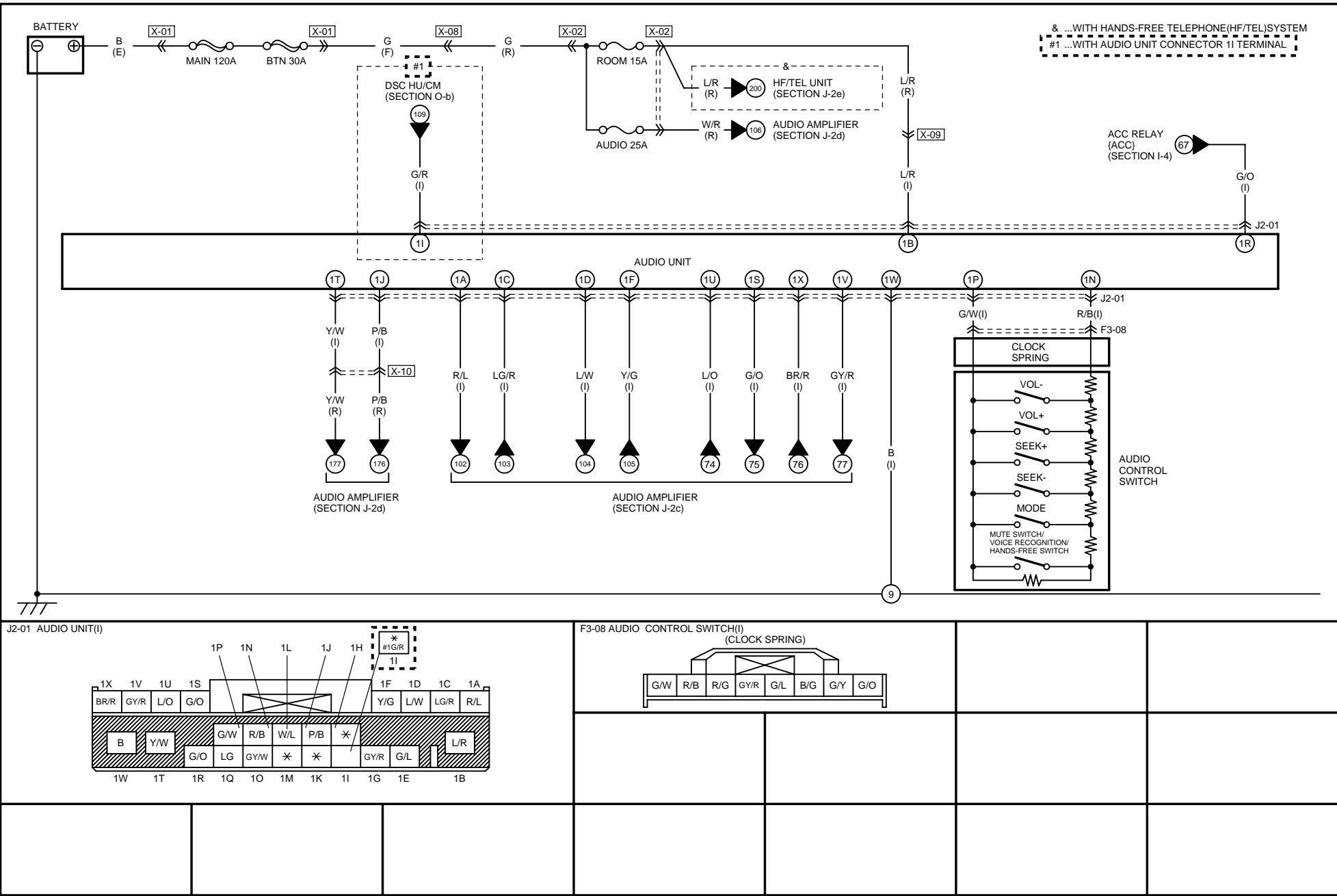
J1-06 AUXILIARY JACK(R)



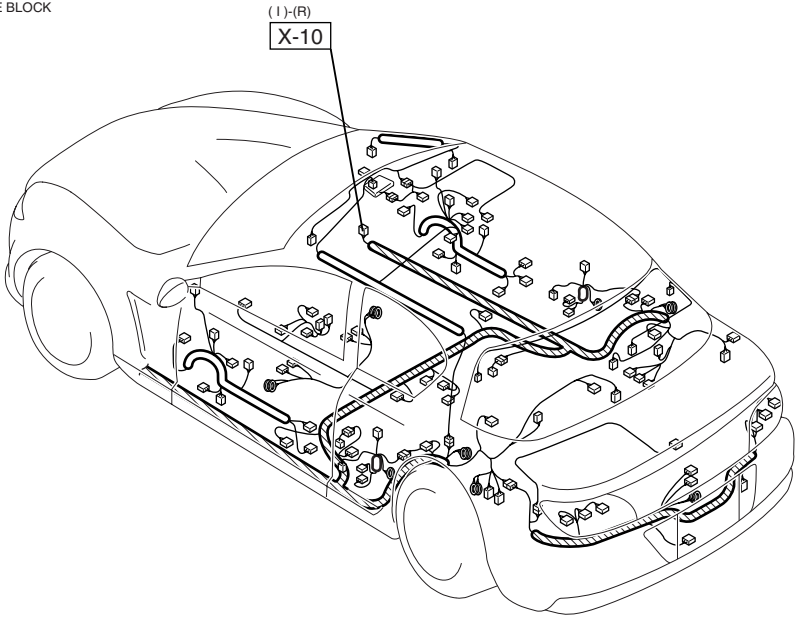
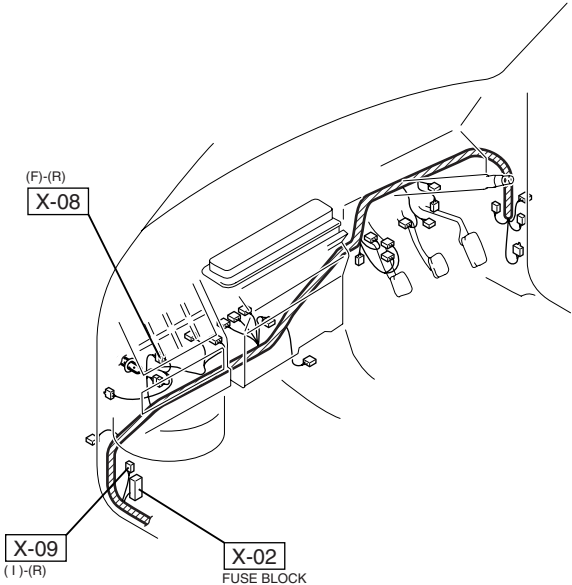
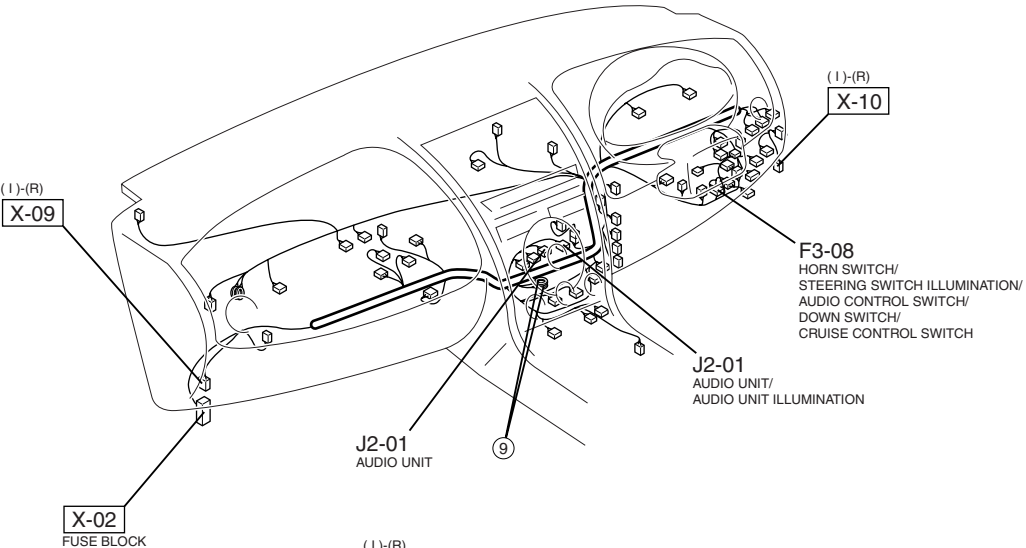
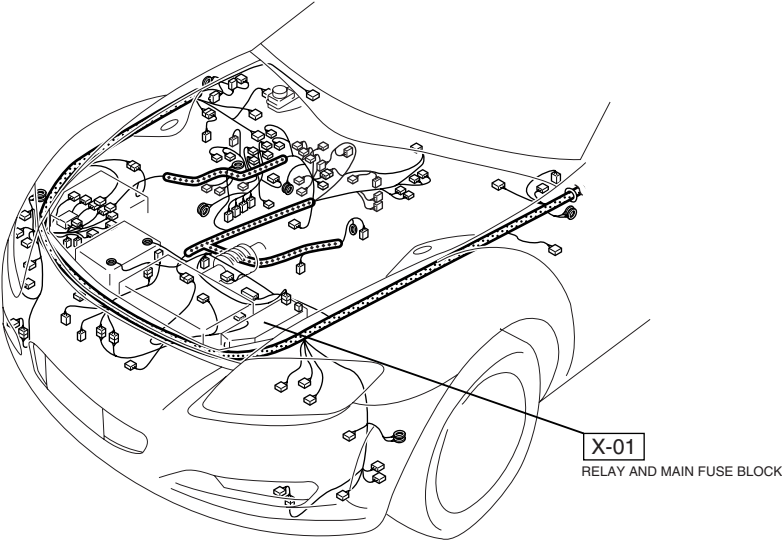
There are two types of circuit (types A and B).

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

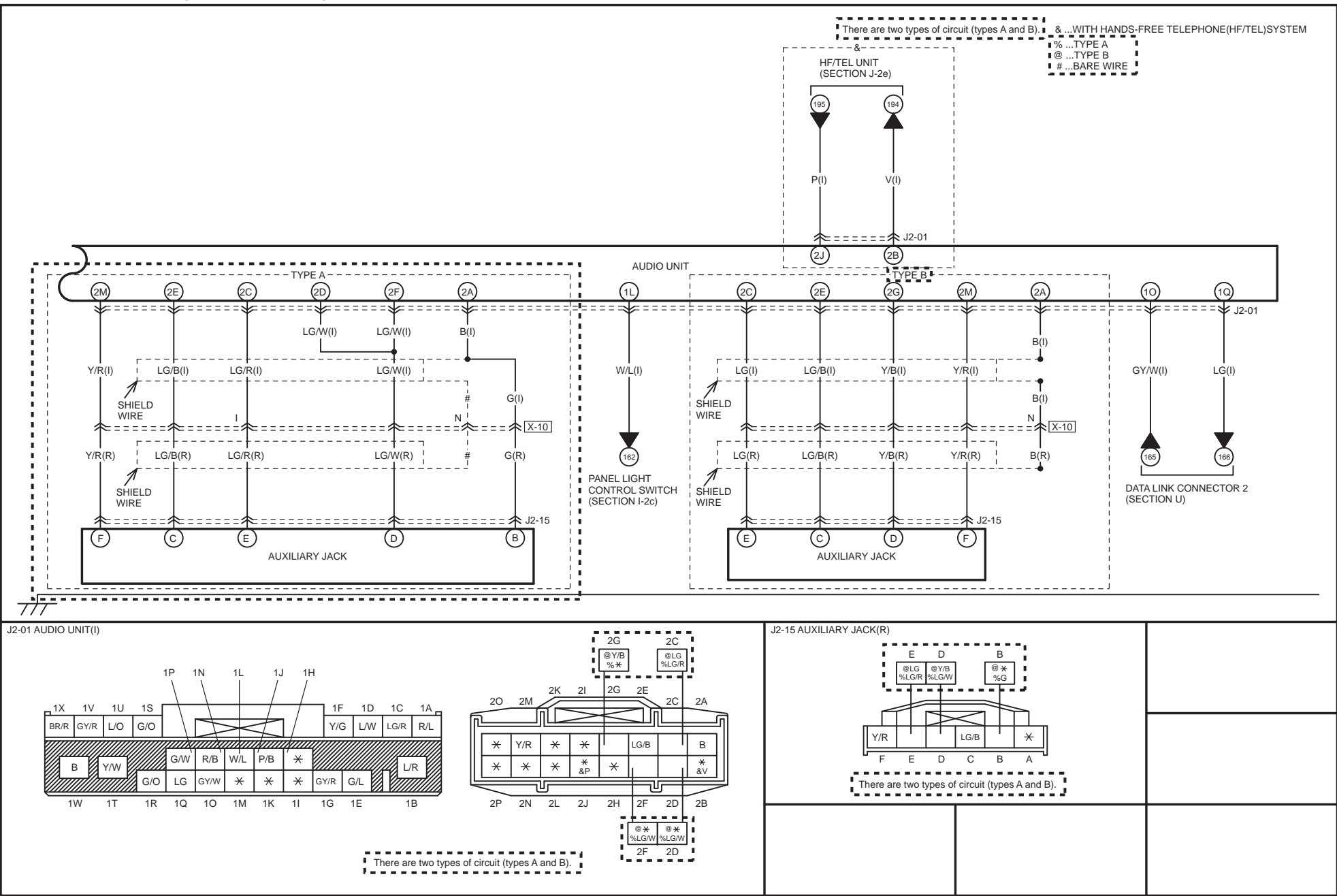




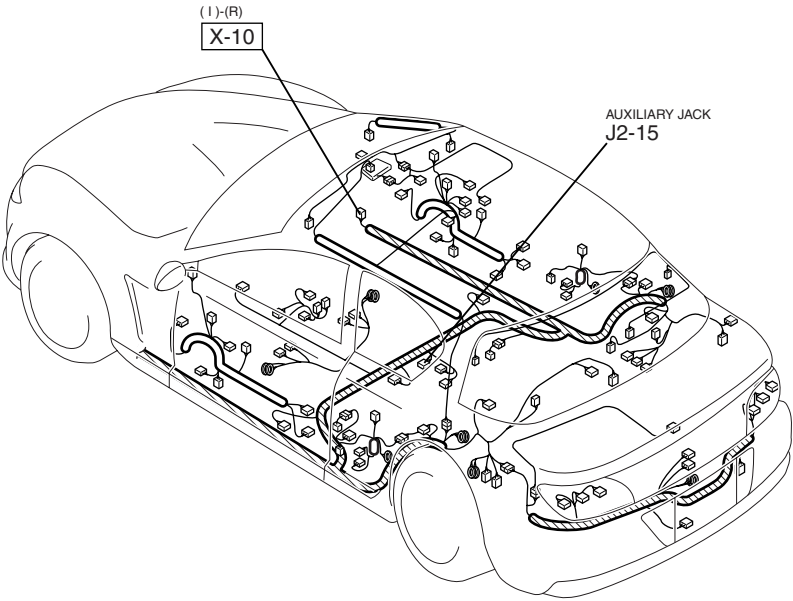
HARNESS SYMBOL:  (F)  (E)  (R)



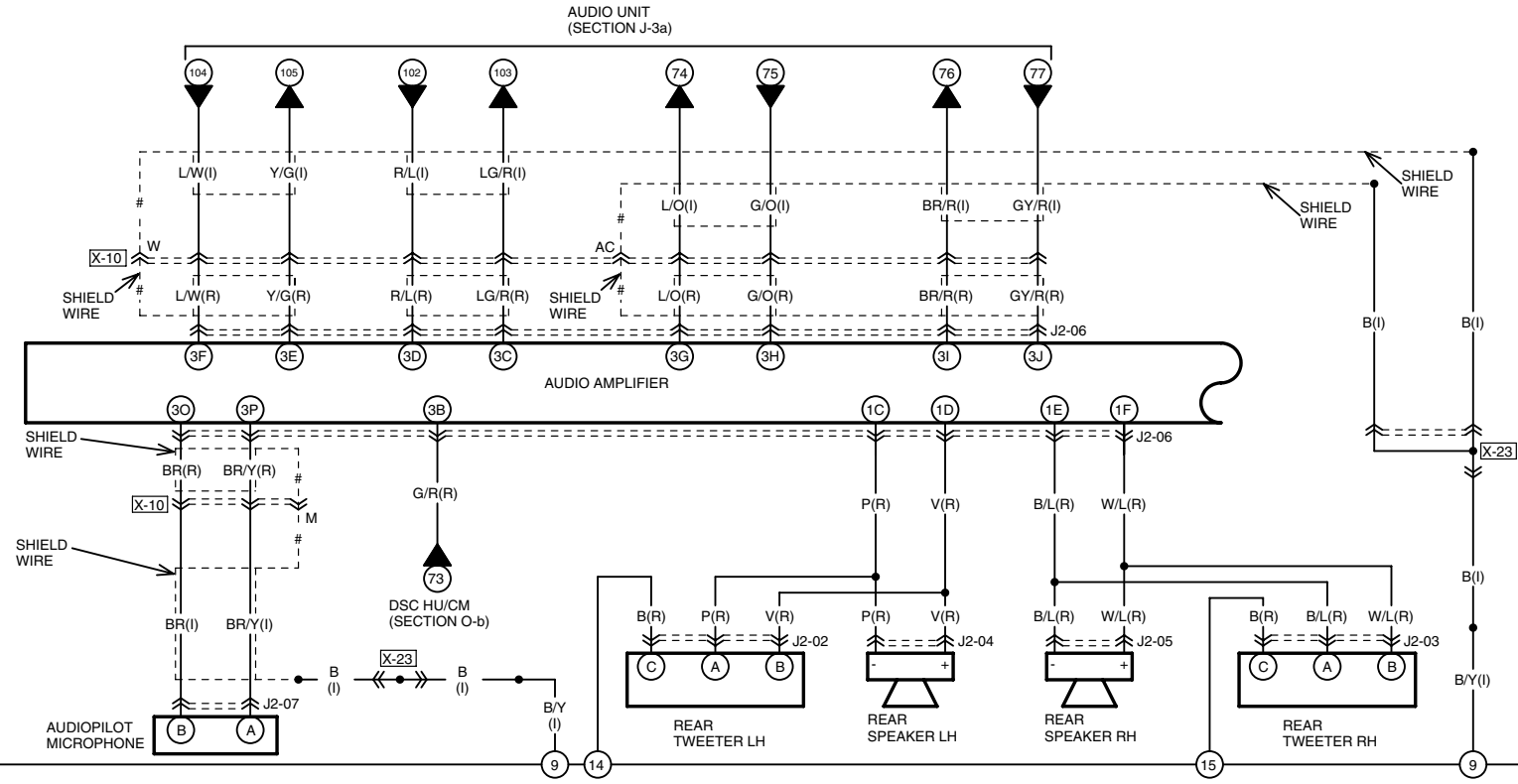


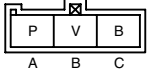
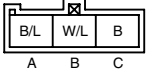
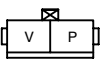
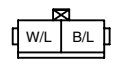
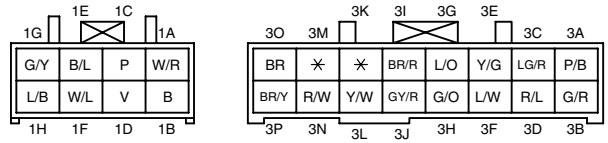
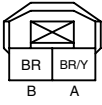


HARNESS SYMBOL:  (F)  (E)  (R)

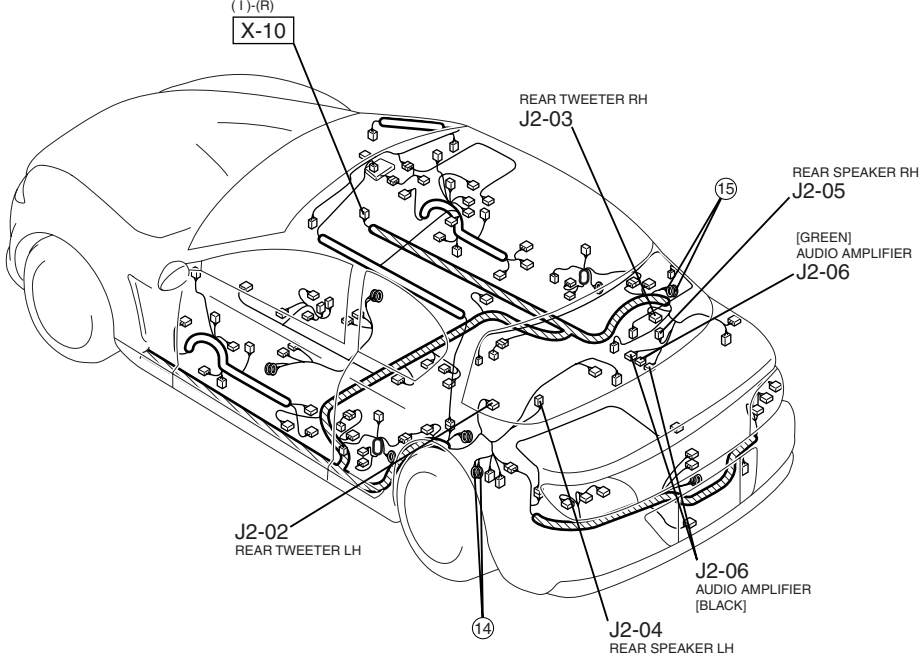
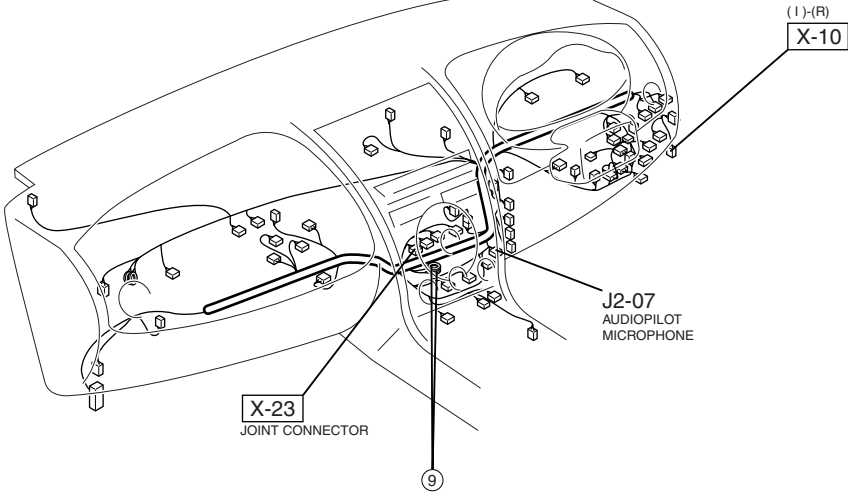


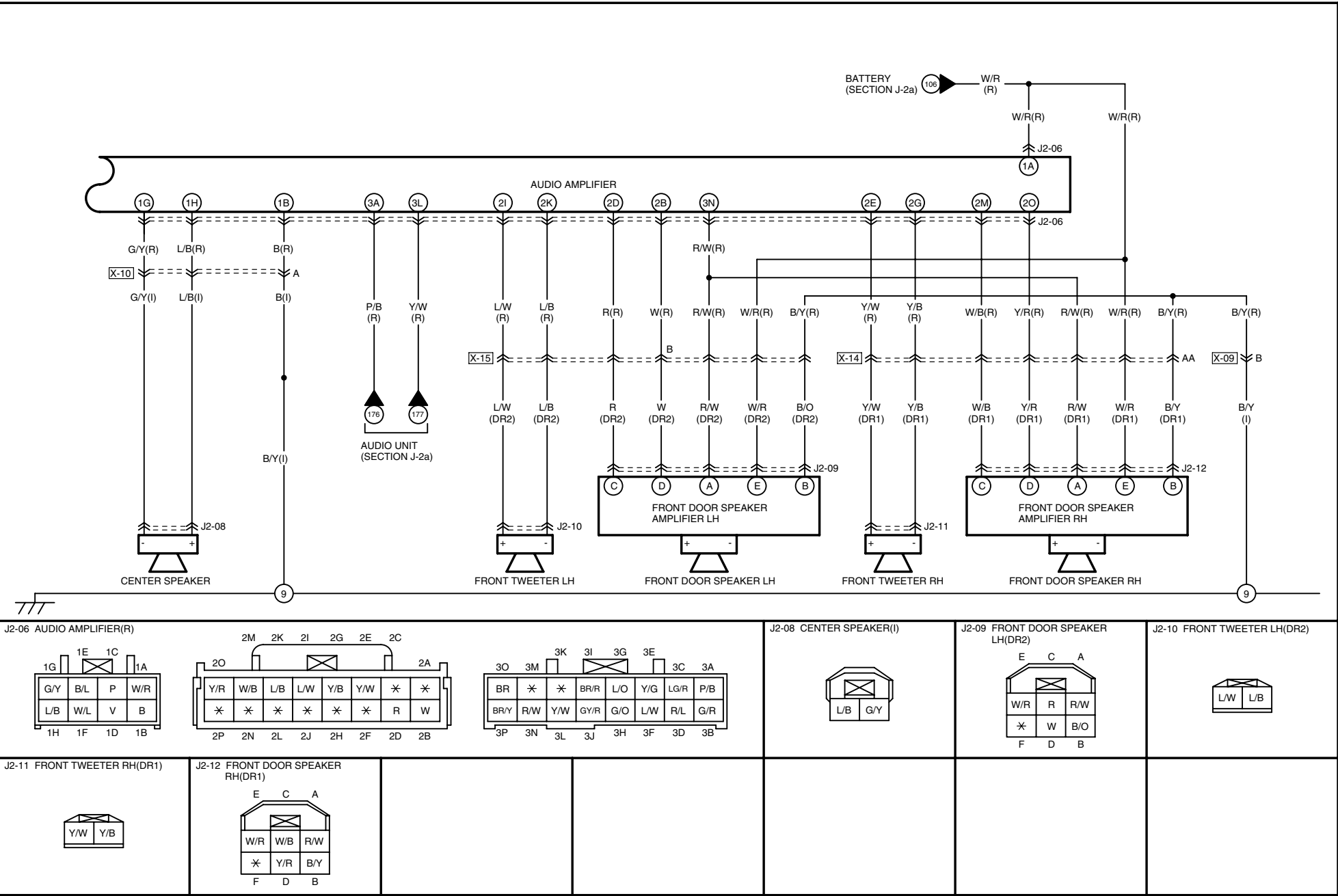
# ...BARE WIRE



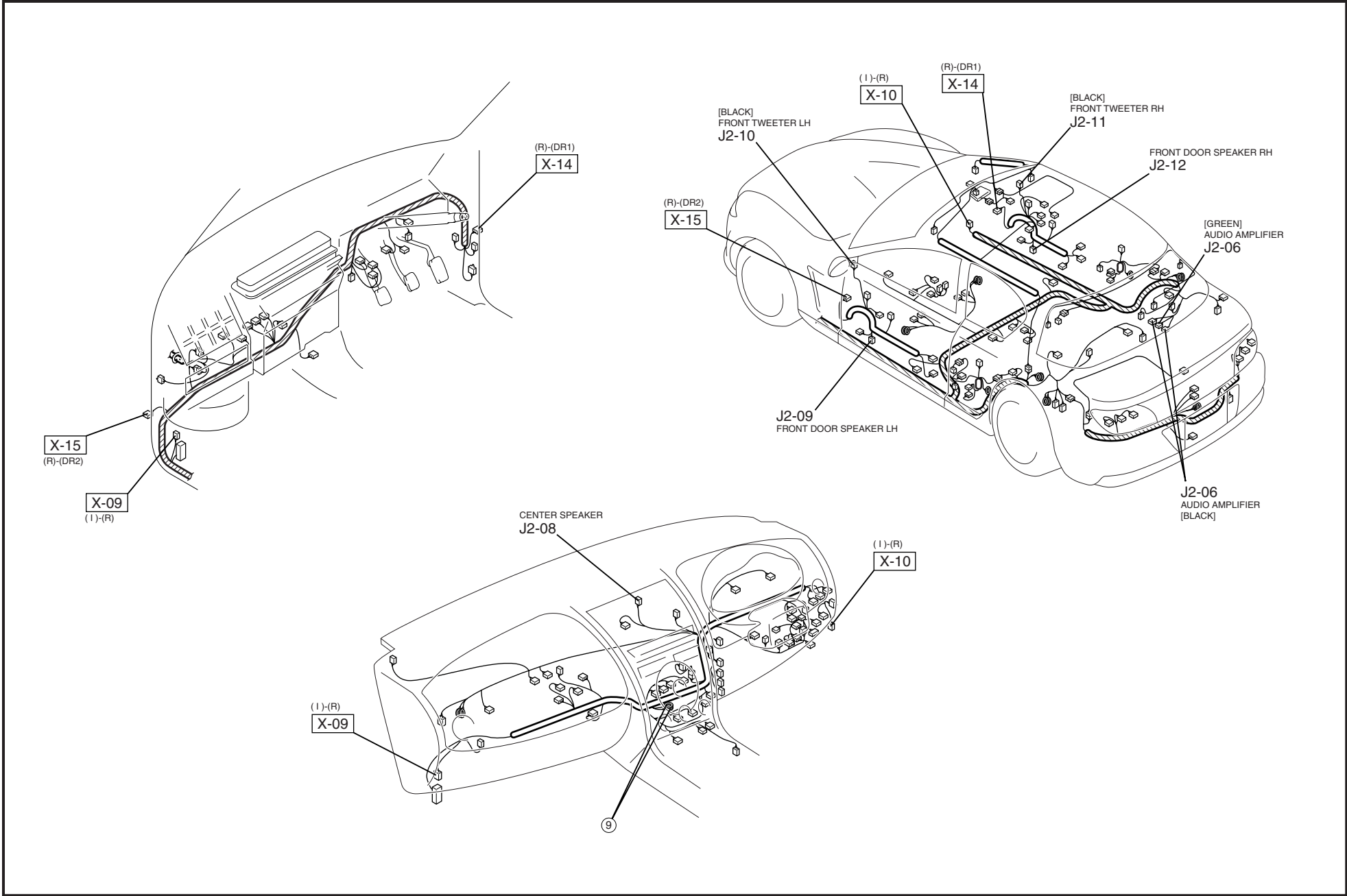
J2-02 REAR TWEETER LH(R) 	J2-03 REAR TWEETER RH(R) 	J2-04 REAR SPEAKER LH(R) 	J2-05 REAR SPEAKER RH(R) 	J2-06 AUDIO AMPLIFIER(R) 
J2-07 AUDIPILOT MICROPHONE(I)  "AudioPilot" is a registered trademark of Bose Corporation.				

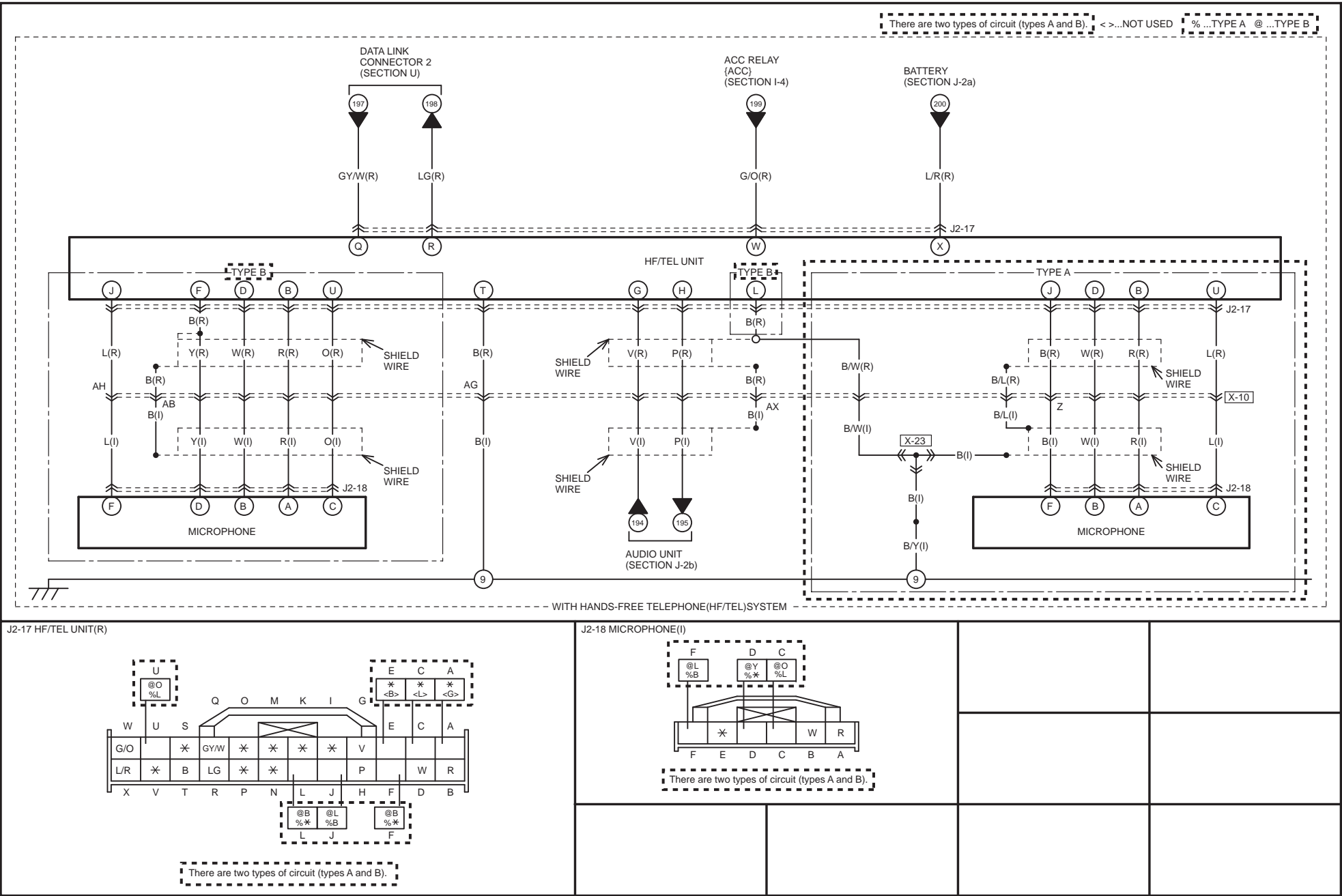
HARNESS SYMBOL:  (F)  (E)  (R)



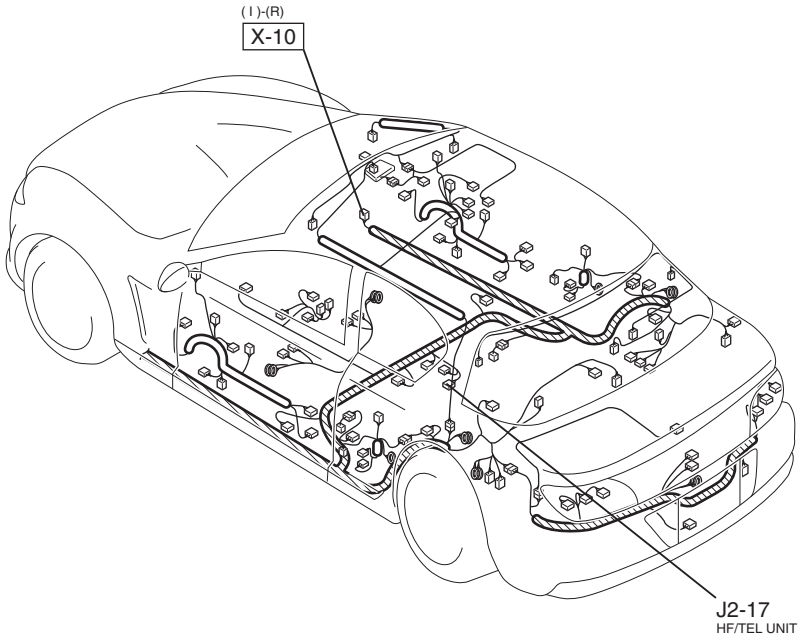
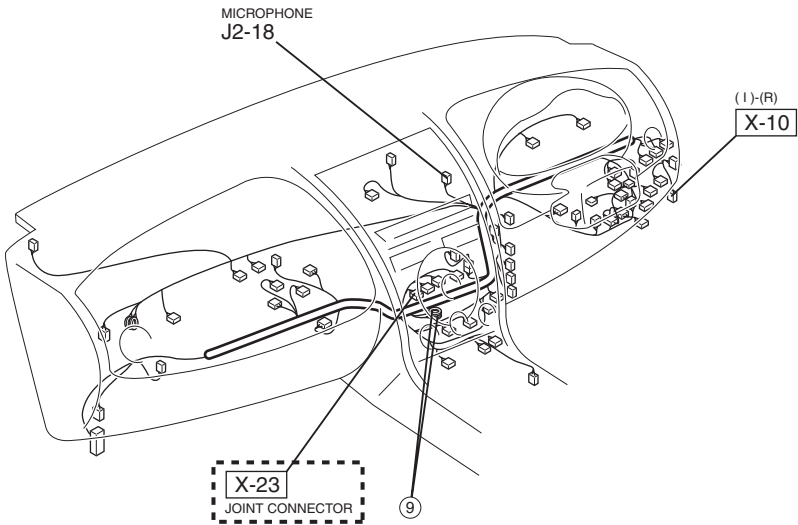


HARNESS SYMBOL:  (F)  (E)  (R)





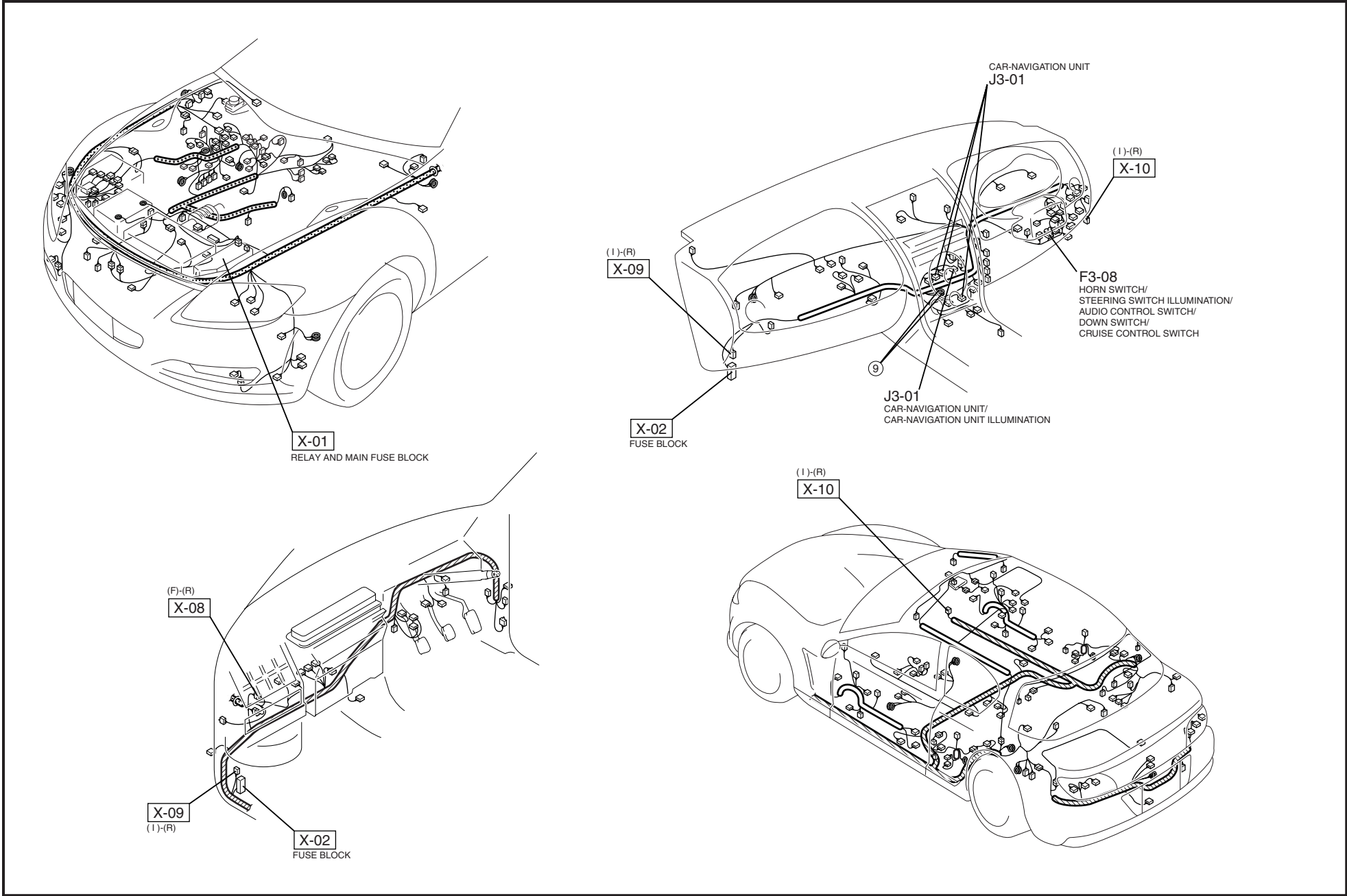
HARNESS SYMBOL:  (F)  (E)  (R)

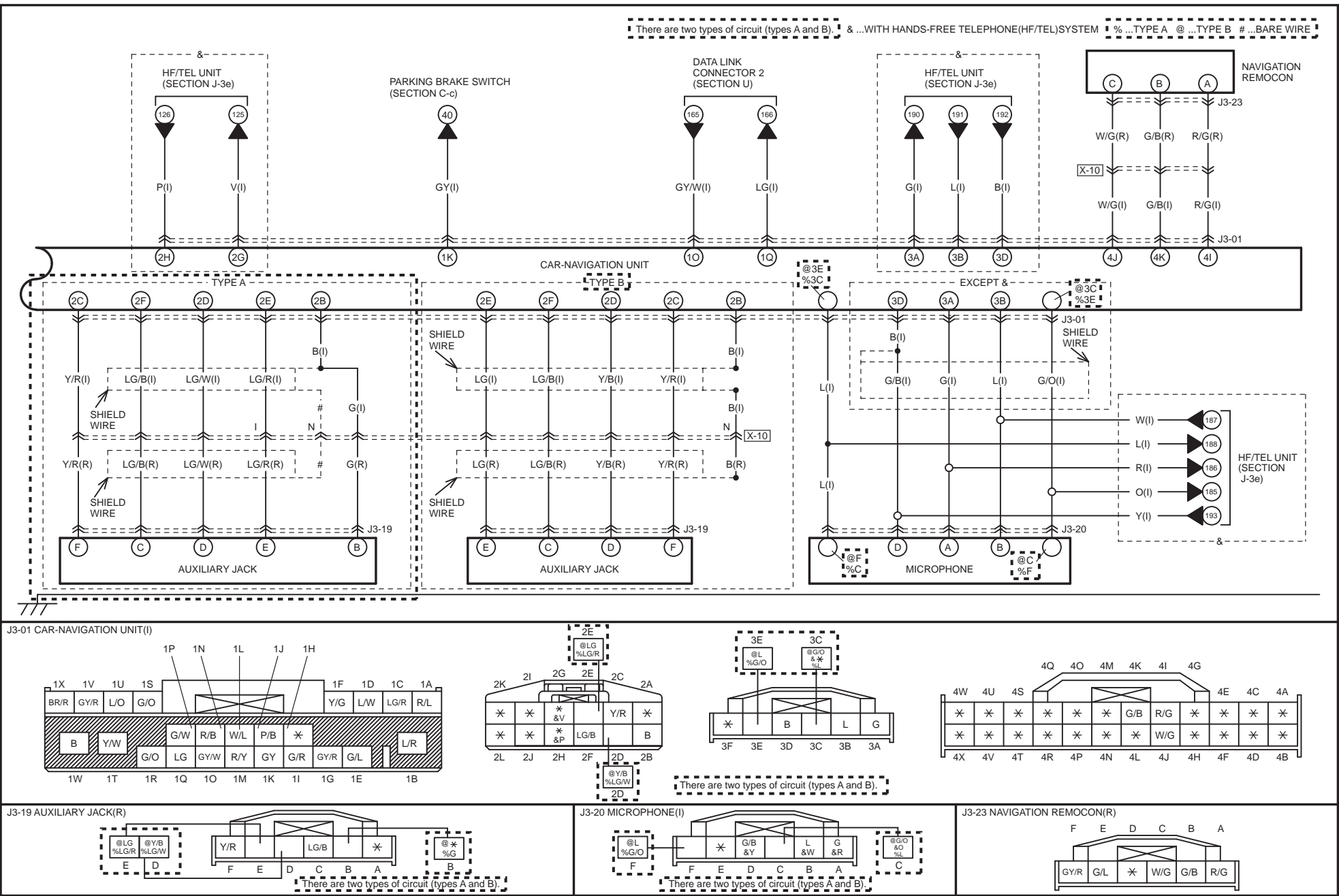




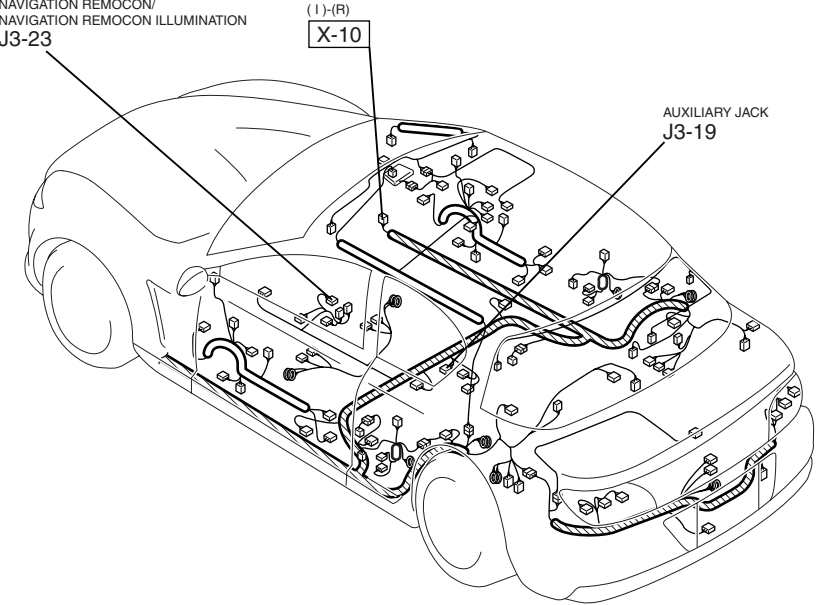
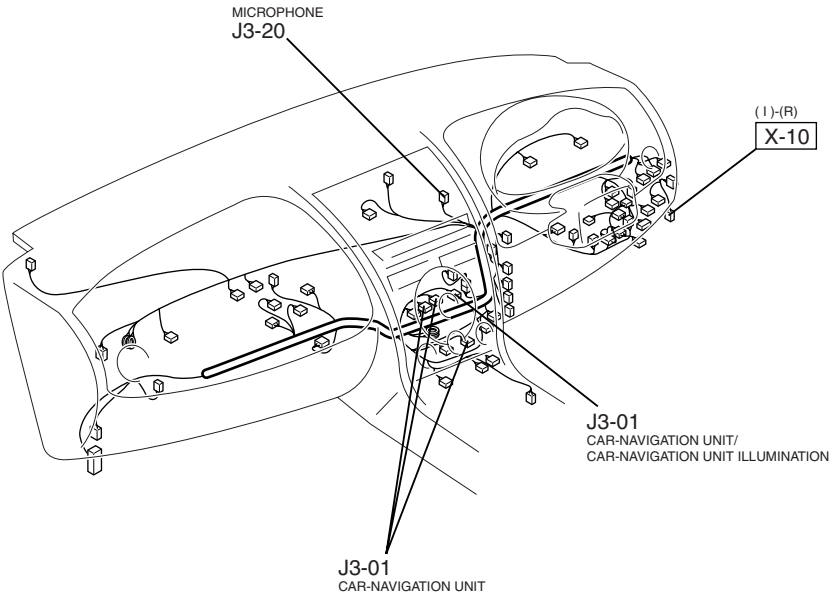


HARNESS SYMBOL:  (F)  (E)  (R)

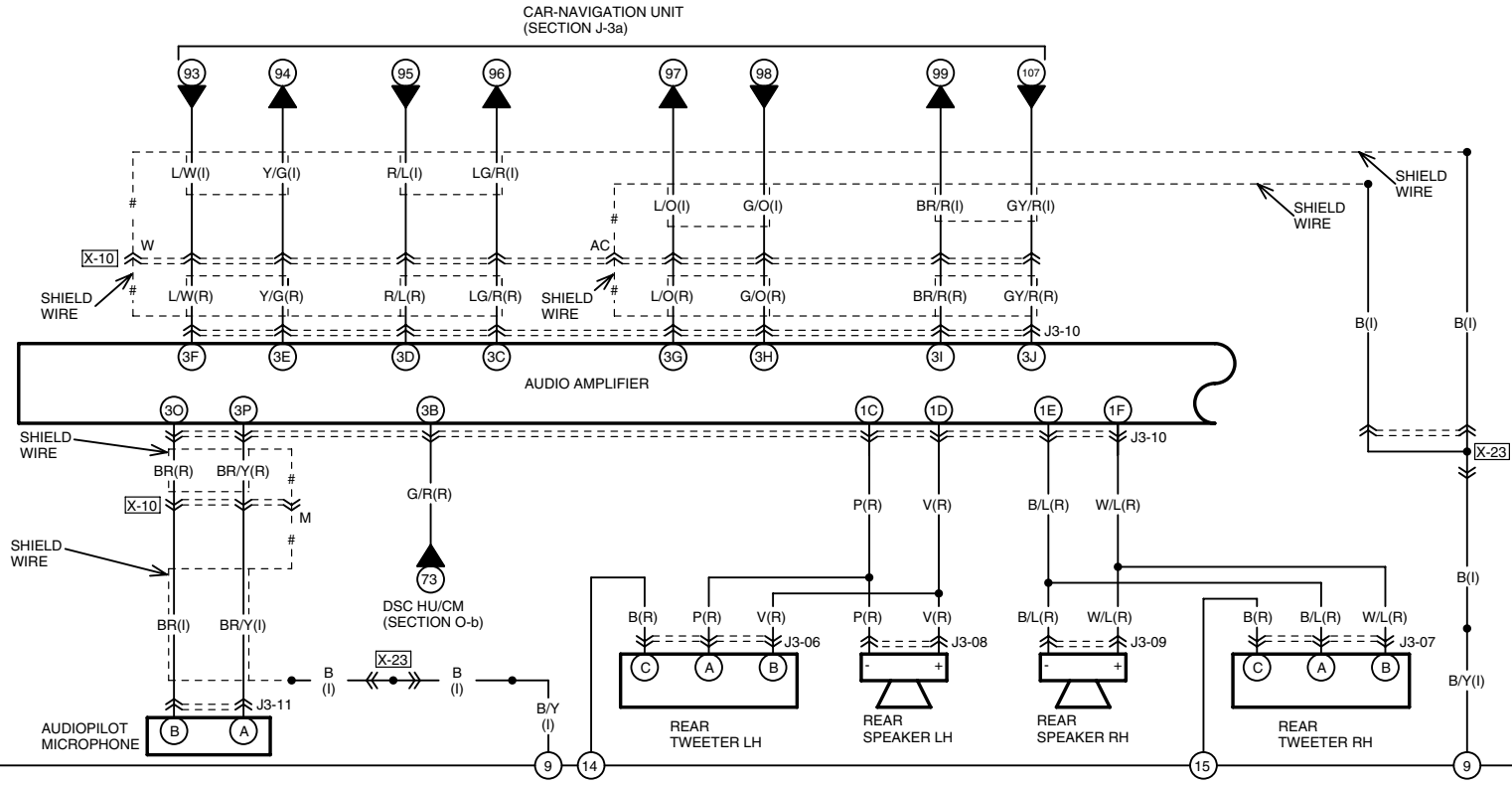




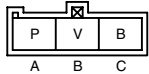
HARNESS SYMBOL:  (F)  (E)  (R)



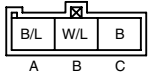
# ...BARE WIRE



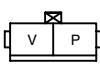
J3-06 REAR TWEETER LH(R)



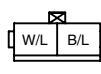
J3-07 REAR TWEETER RH(R)



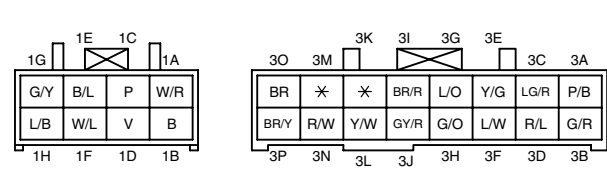
J3-08 REAR SPEAKER LH(R)



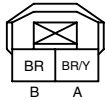
J3-09 REAR SPEAKER RH(R)



J3-10 AUDIO AMPLIFIER(R)

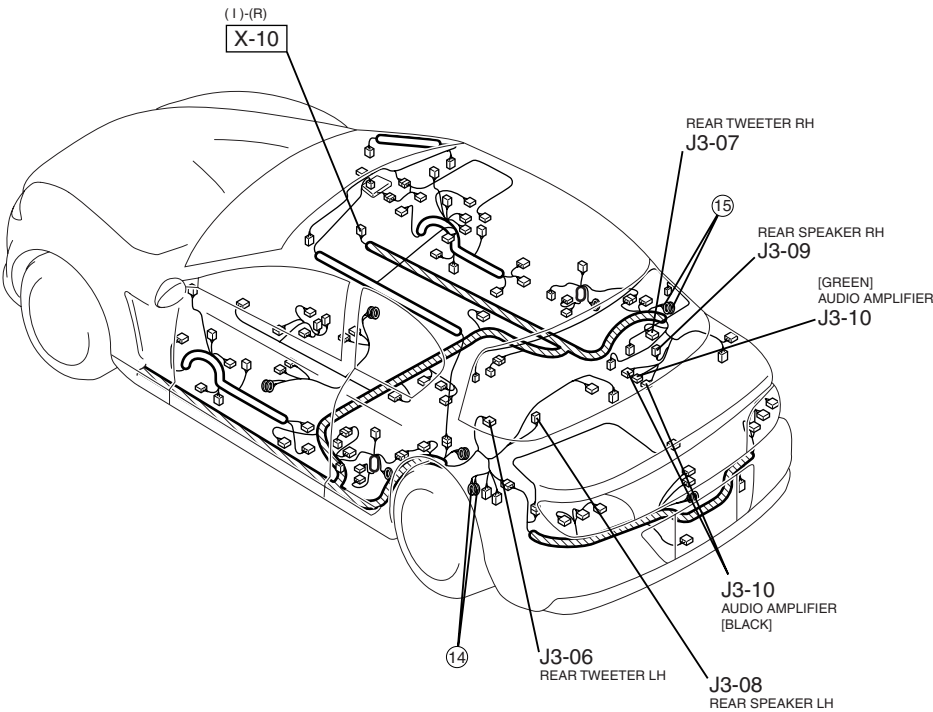
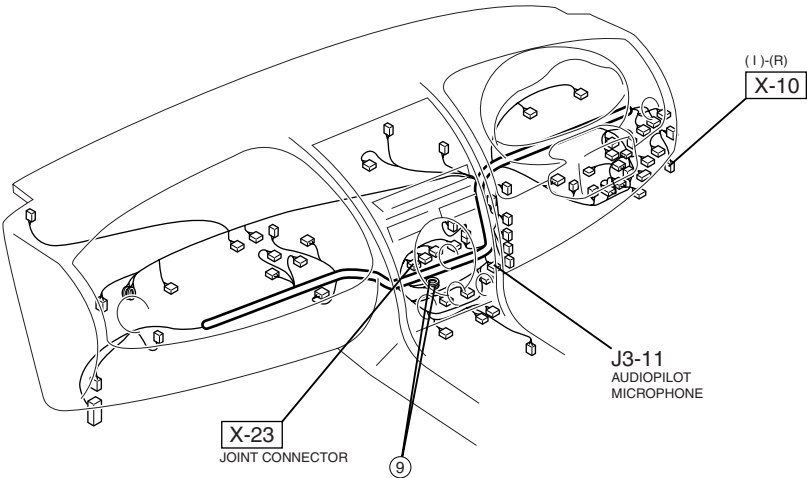


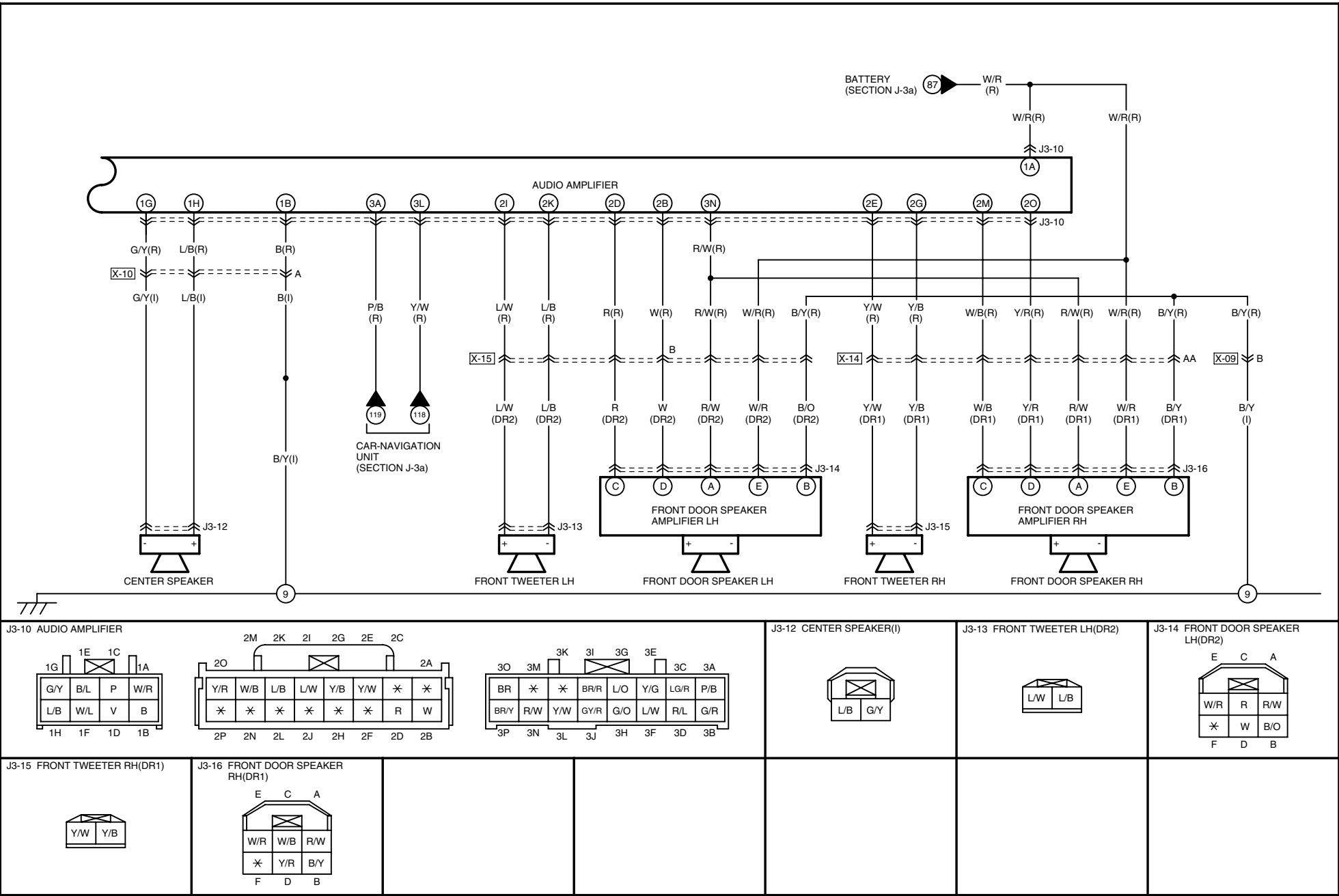
J3-11 AUDIOPILLOT MICROPHONE(I)



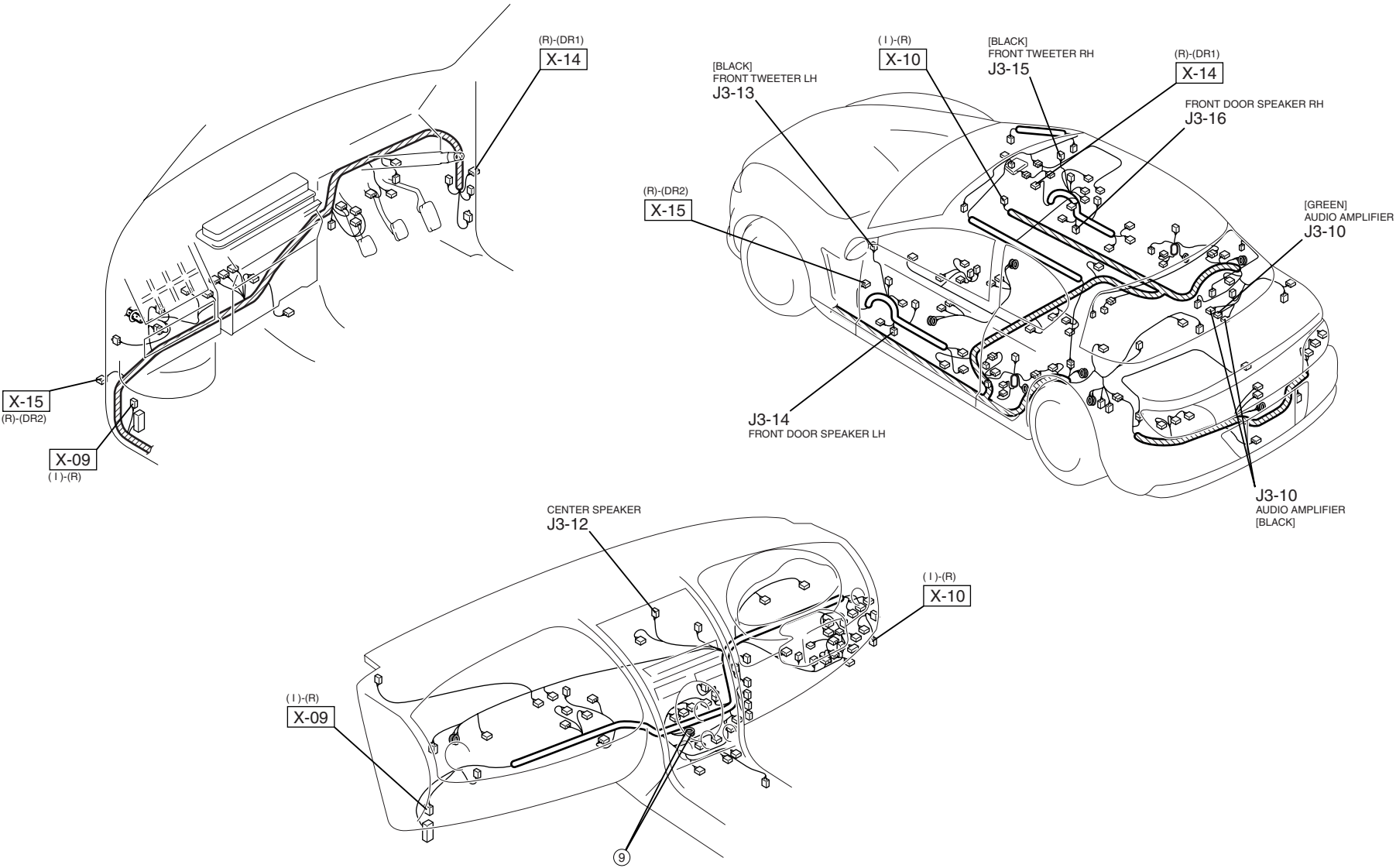
\*AudioPilot® is a registered trademark of Bose Corporation.

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



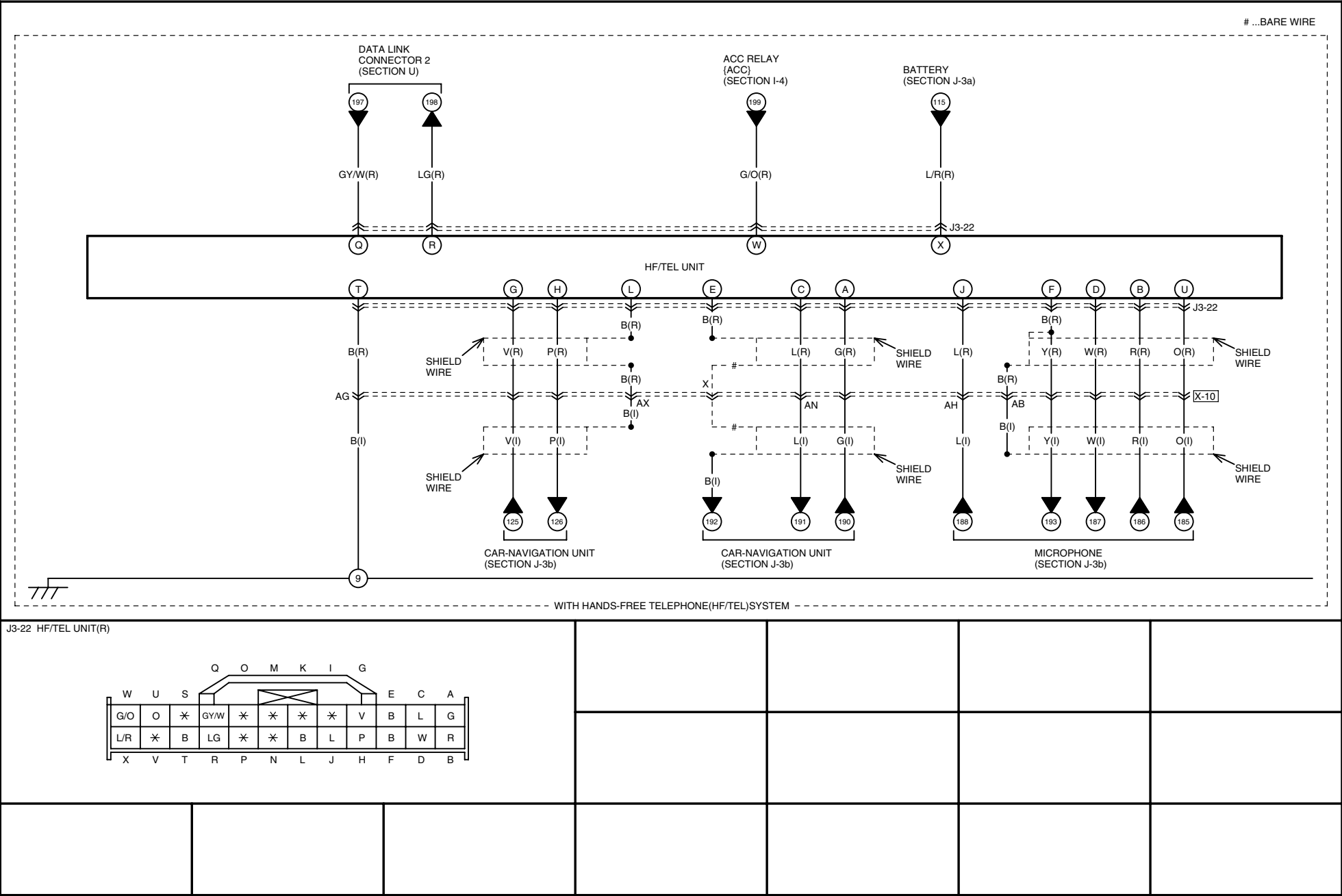


HARNESS SYMBOL:  (F)  (E)  (R)

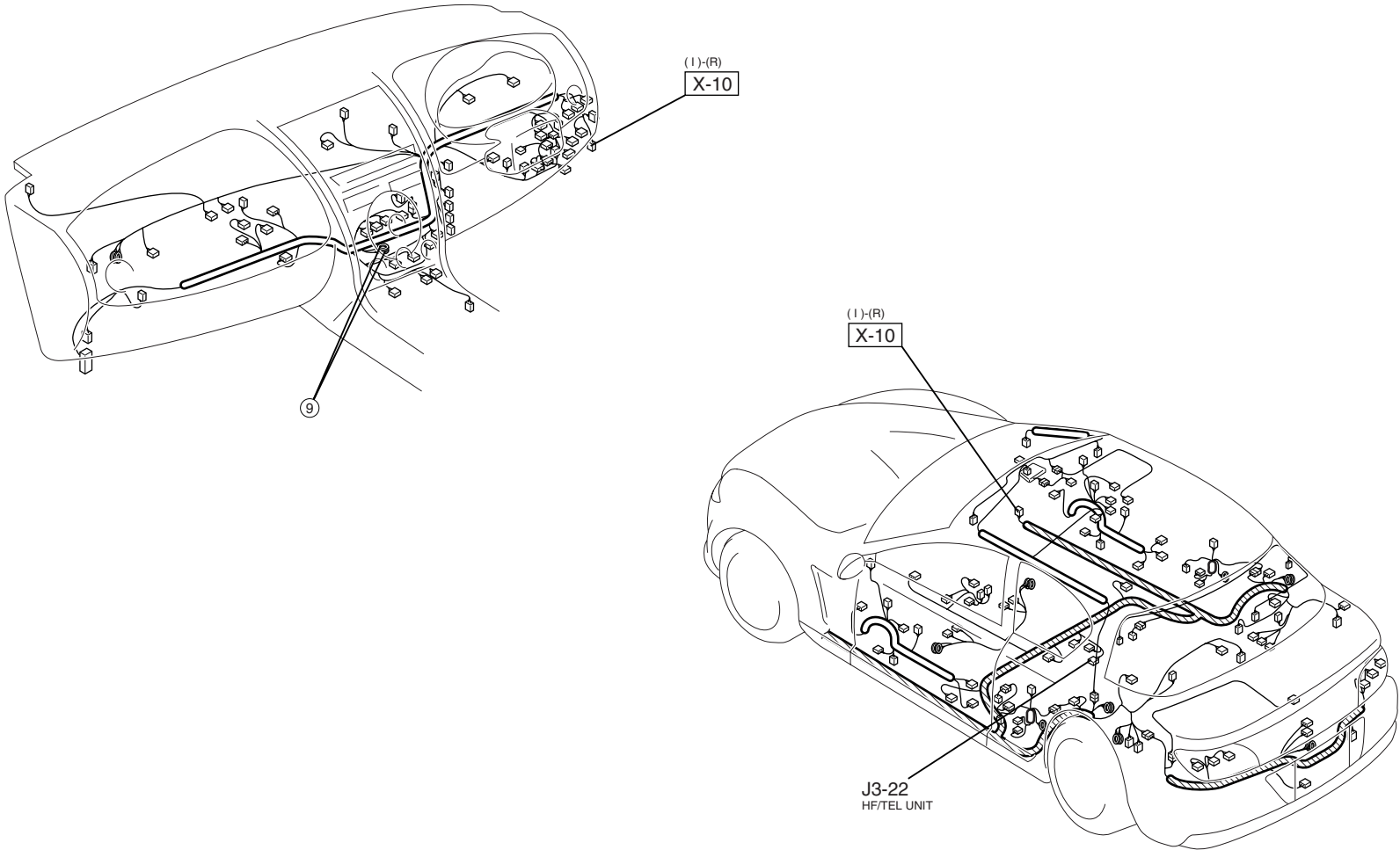




130

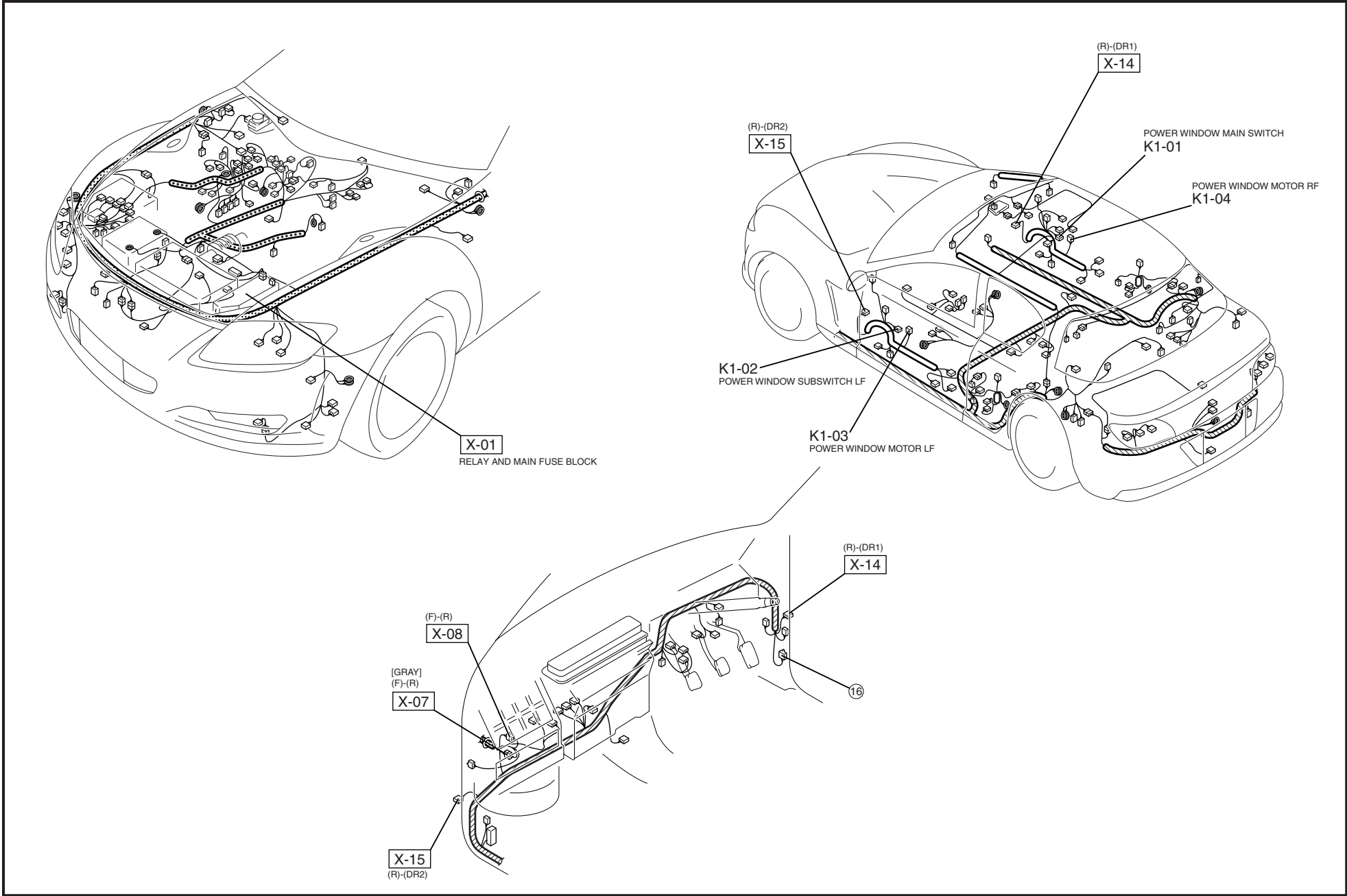


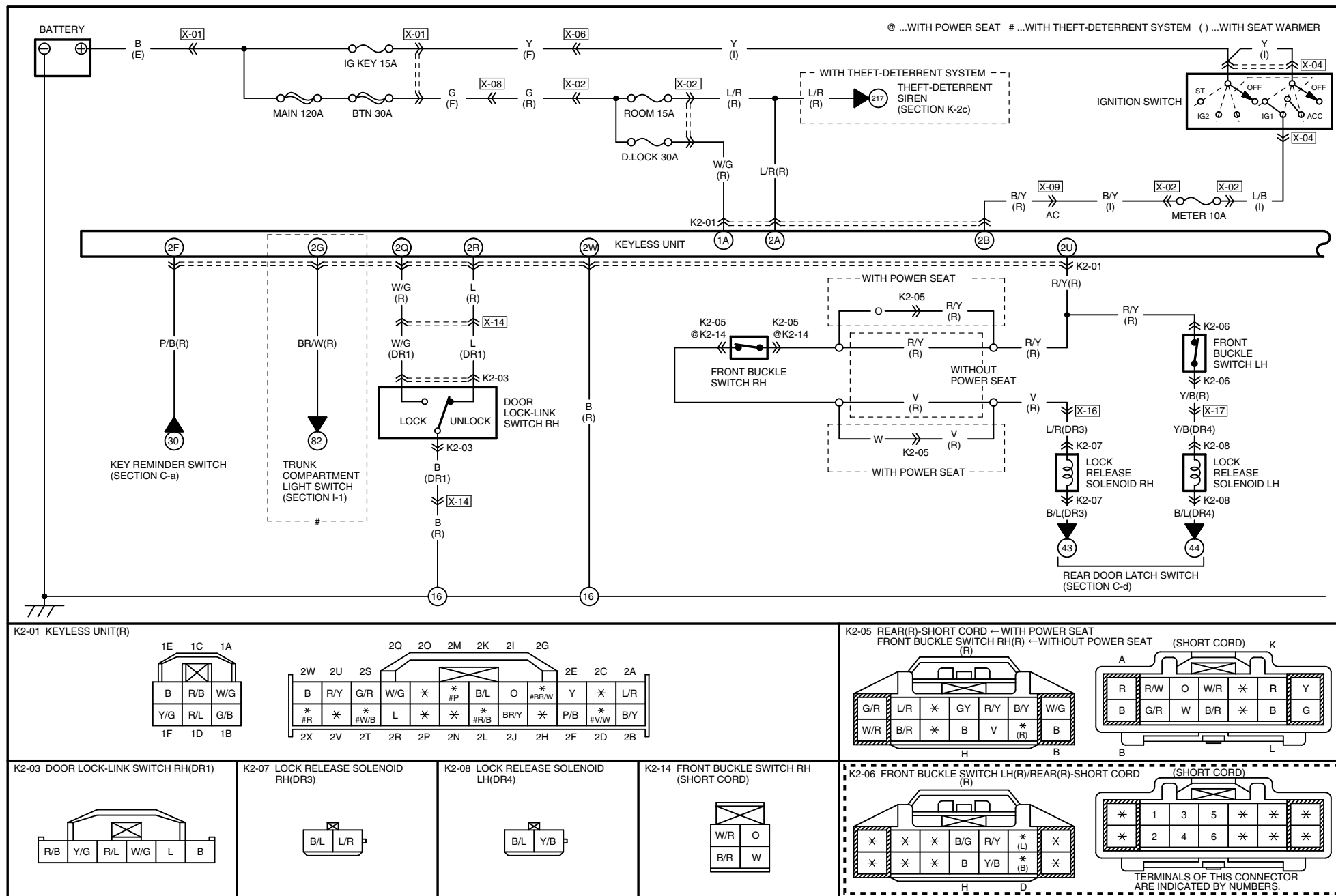
HARNESS SYMBOL:  (F)  (E)  (R)





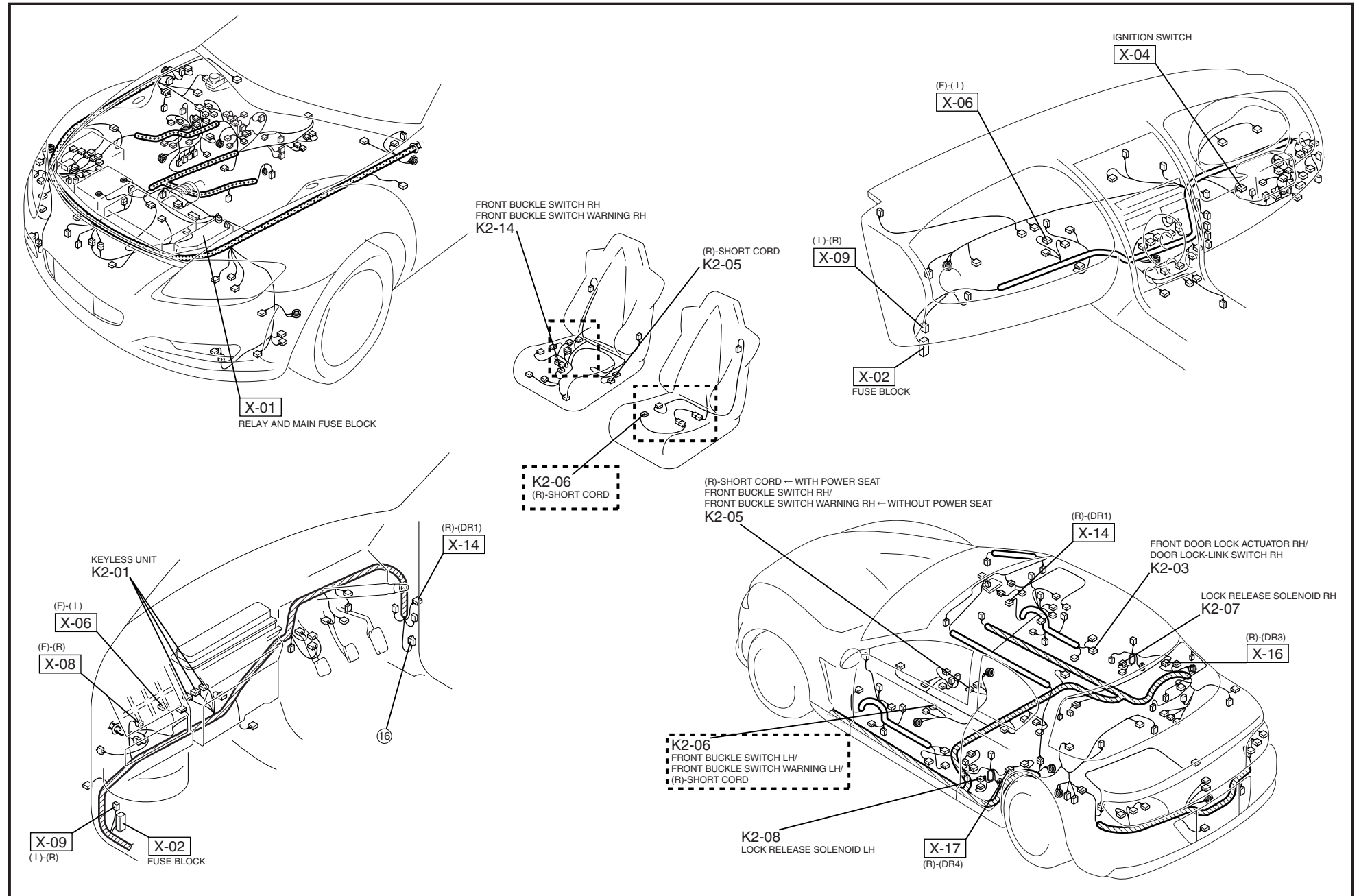


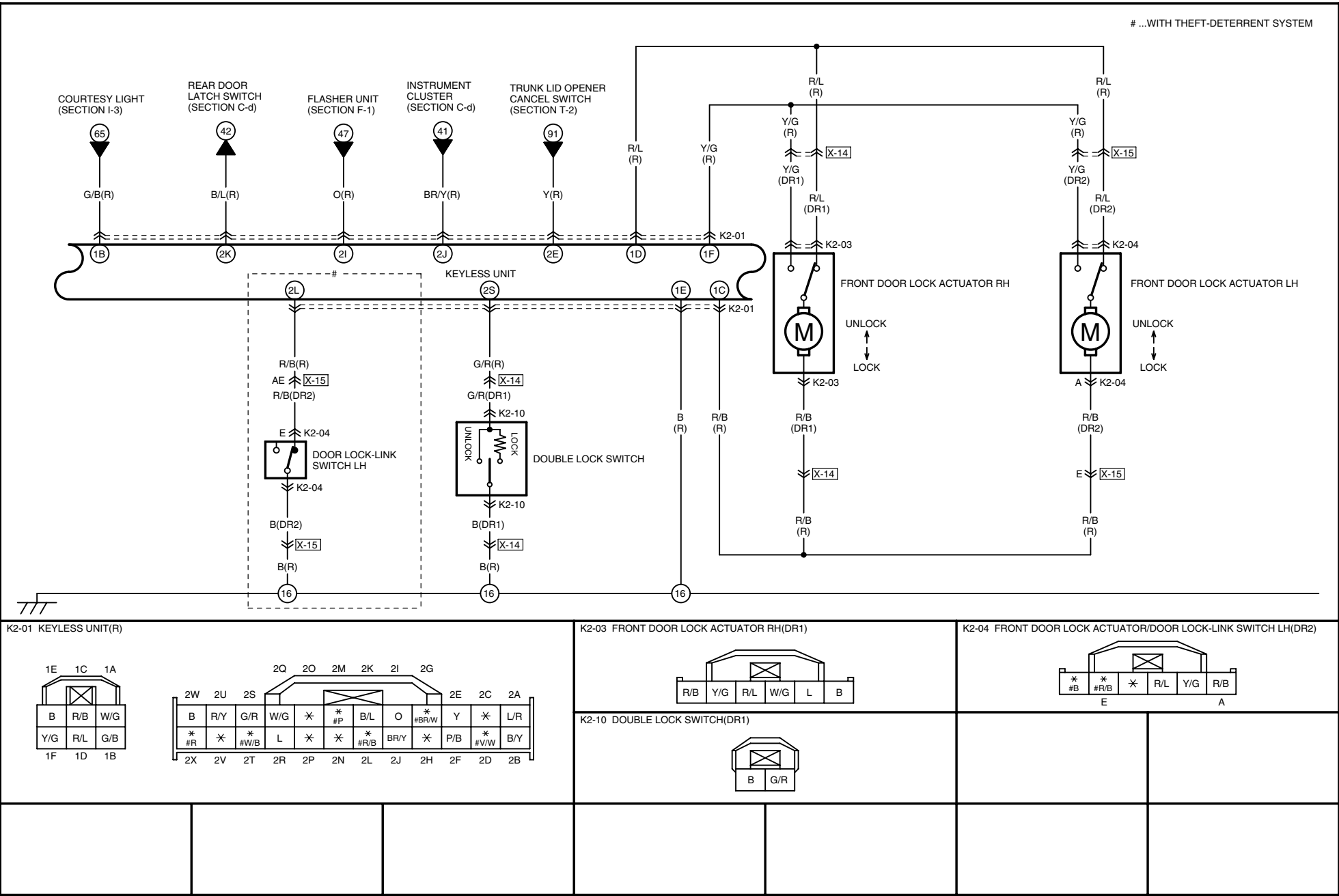
HARNESS SYMBOL:  (F)  (E)  (R)



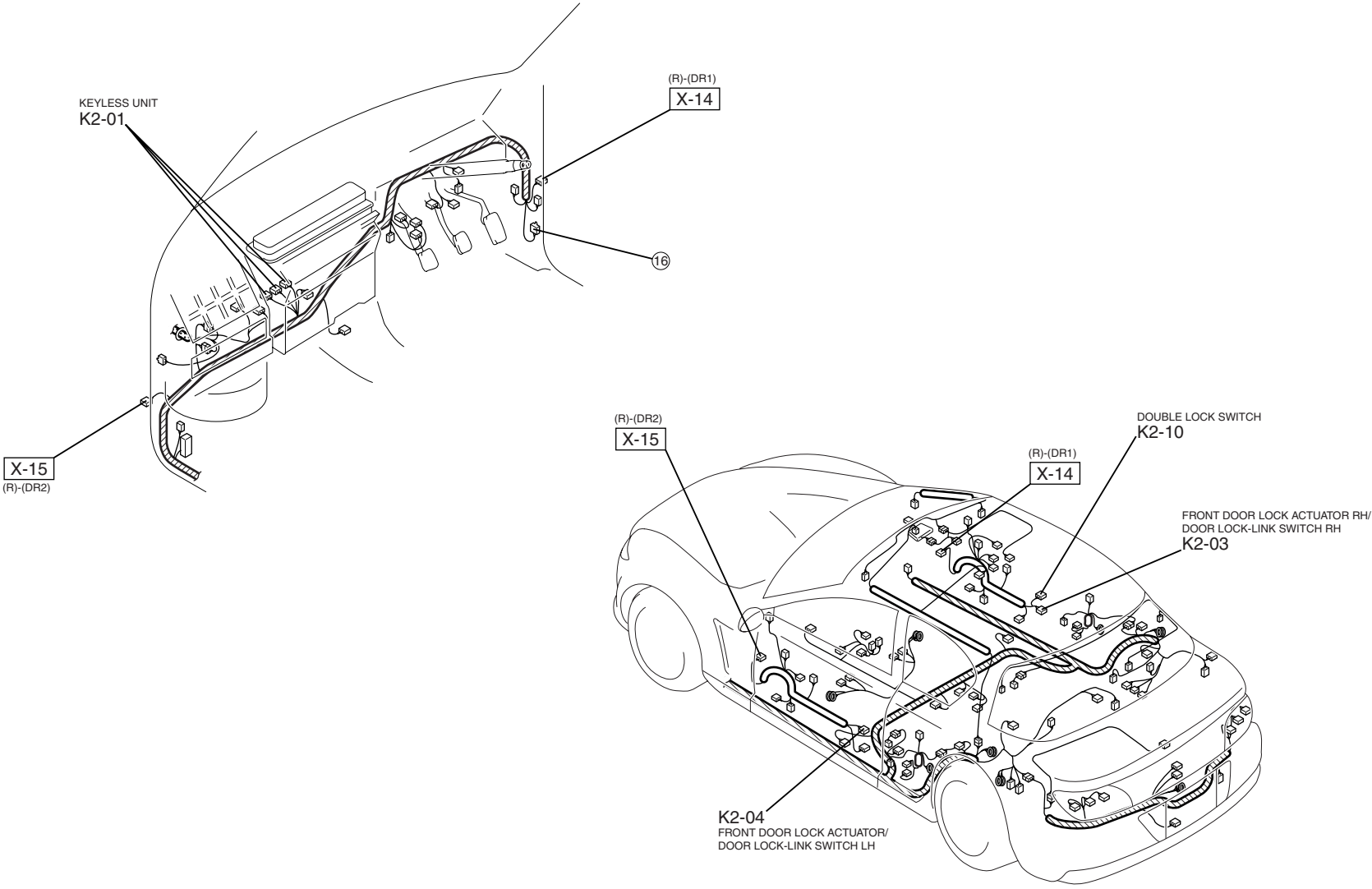


HARNESS SYMBOL:  (F)  (E)  (R)



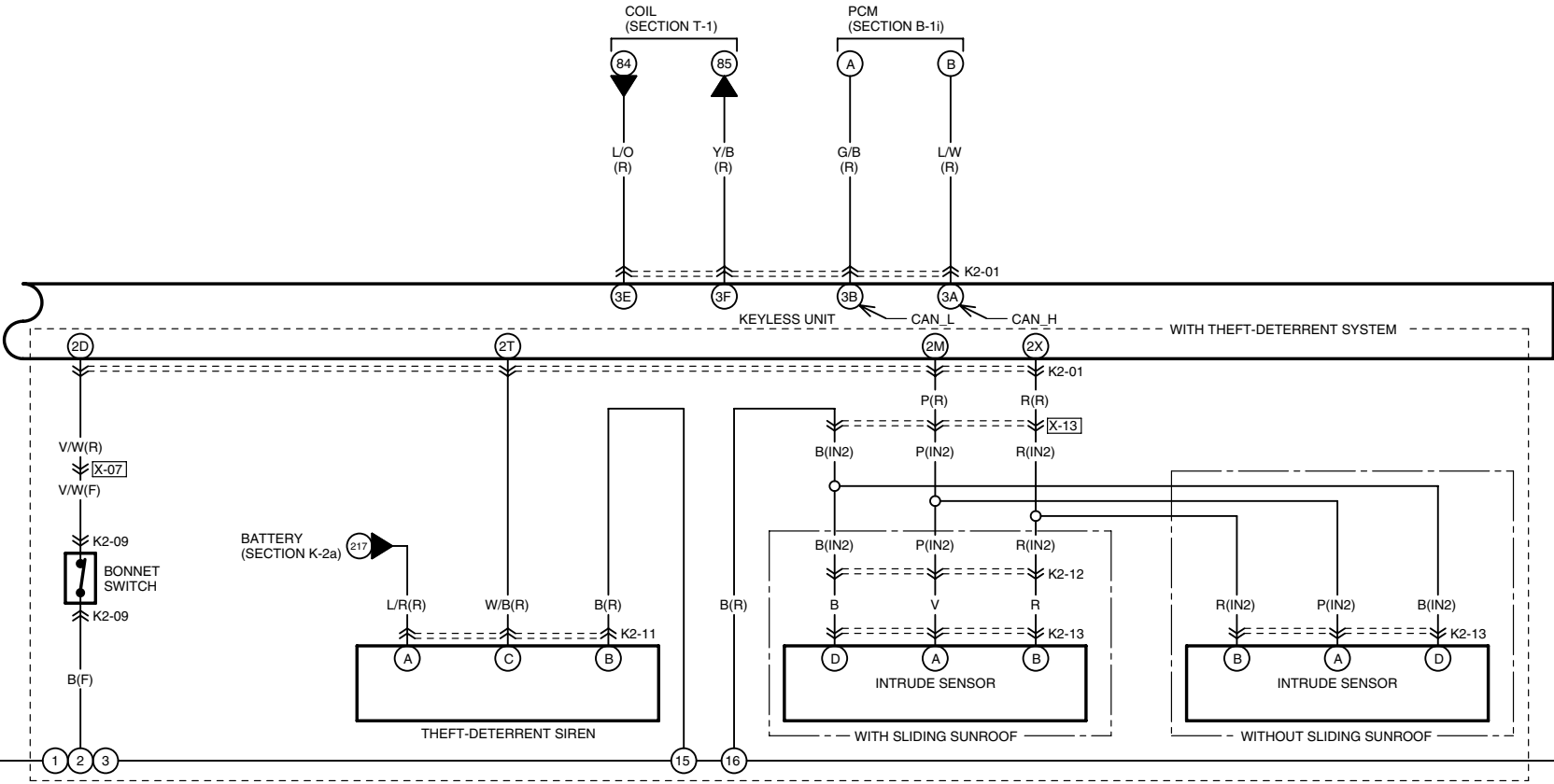


HARNESS SYMBOL:  (F)  (E)  (R)

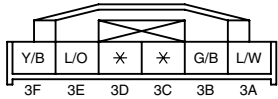
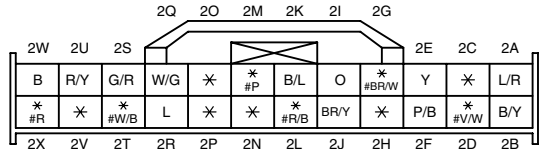




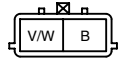
# ...WITH THEFT-DETERRENT SYSTEM



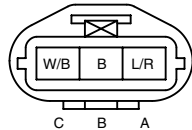
K2-01 KEYLESS UNIT(R)



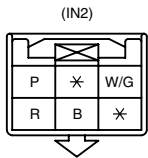
K2-09 BONNET SWITCH(F)



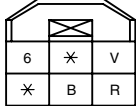
K2-11 THEFT-DETERRENT SIREN(R)



K2-12 INTERIOR LIGHT No.2(IN2)-SHORT CORD No.2



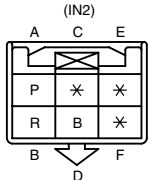
(SHORT CORD No.2)



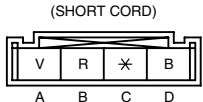
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

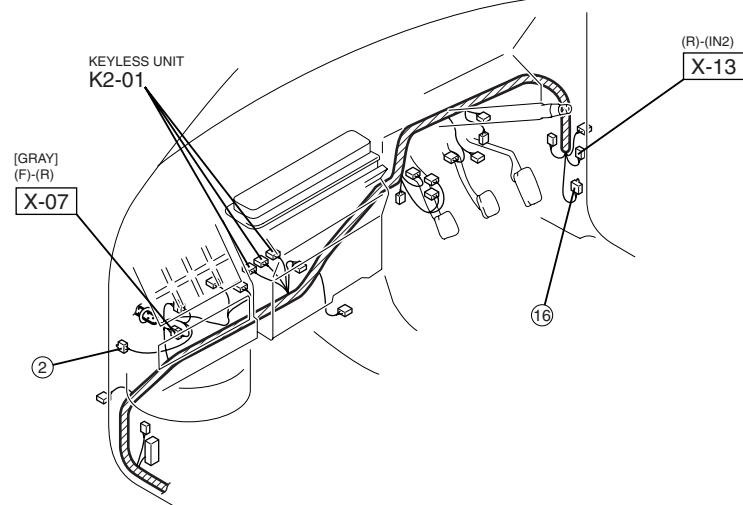
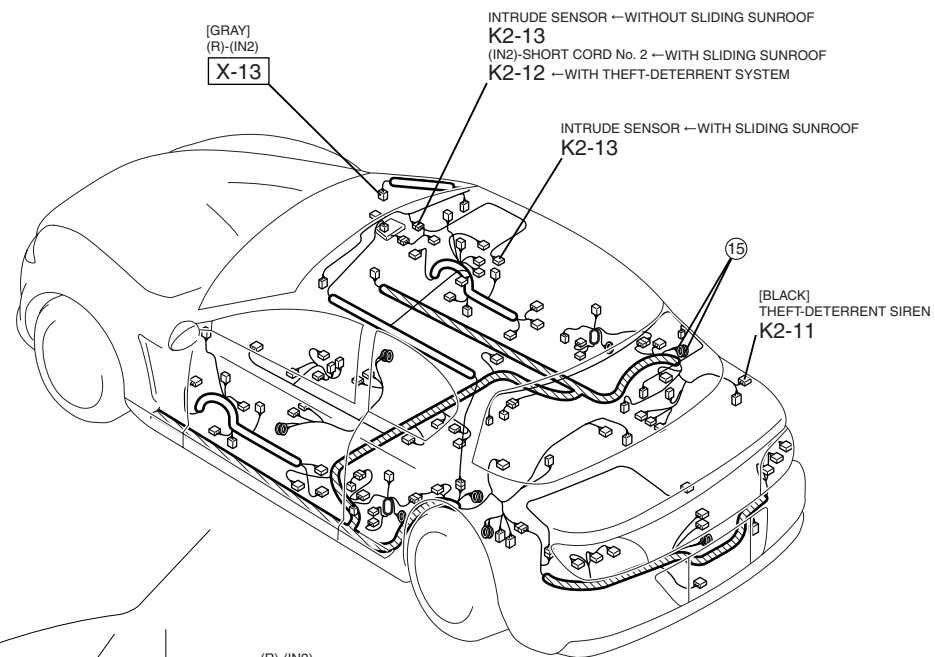
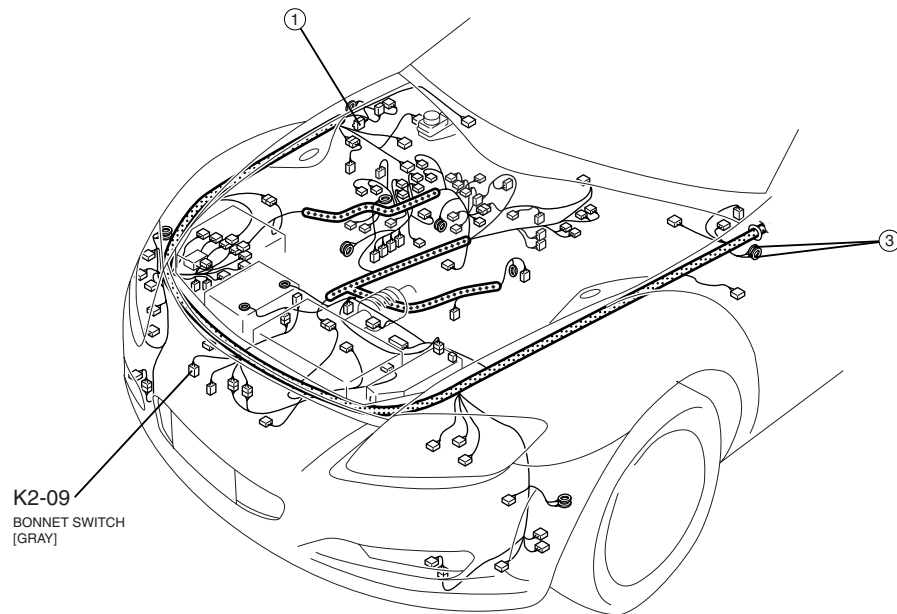
K2-13 INTRUDE SENSOR

WITHOUT SLIDING SUNROOF



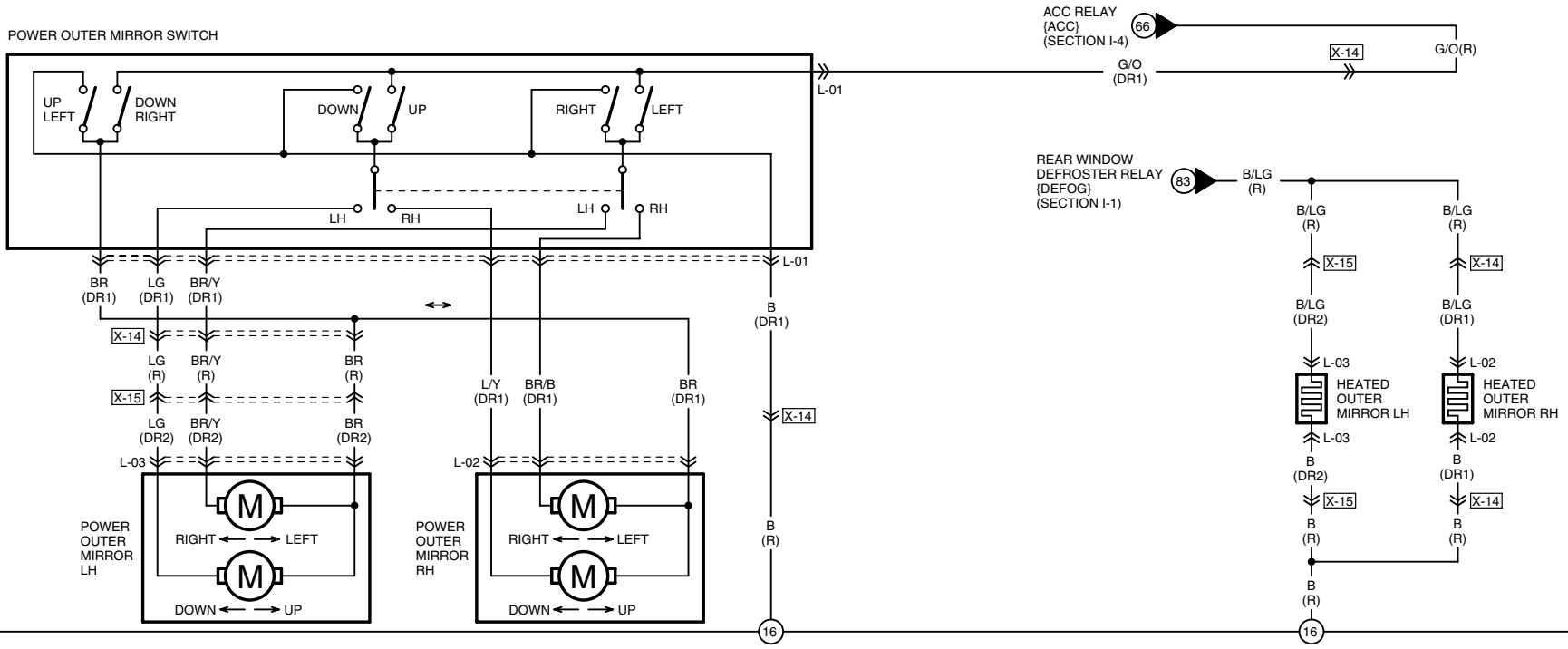
WITH SLIDING SUNROOF



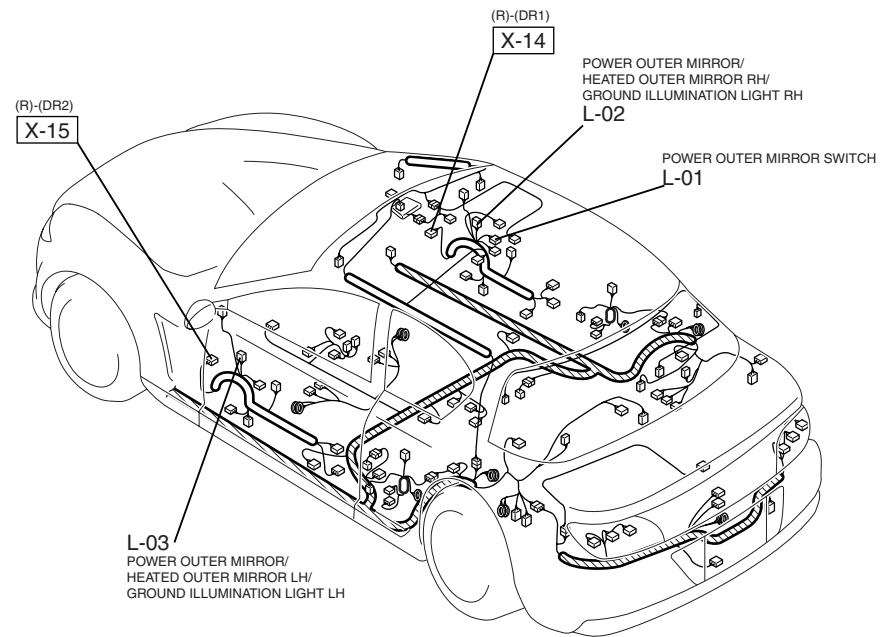
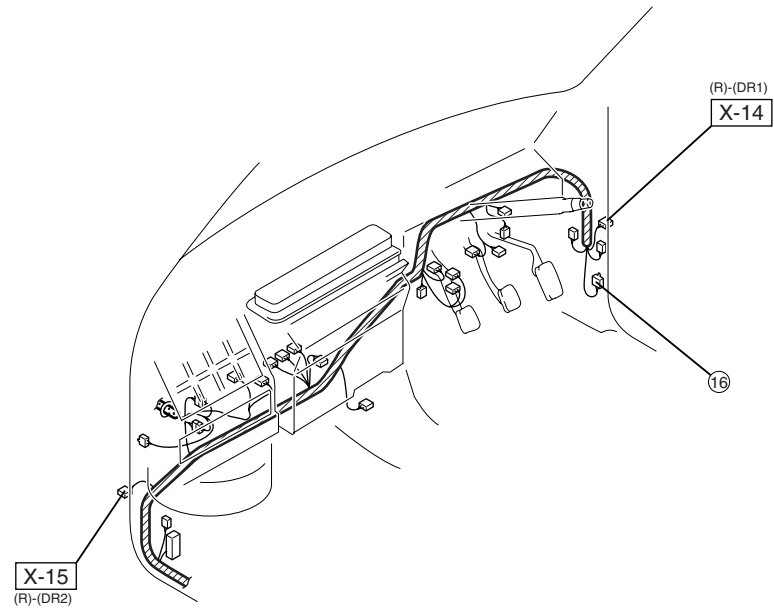


HEATED OUTER MIRROR / POWER OUTER MIRROR

L

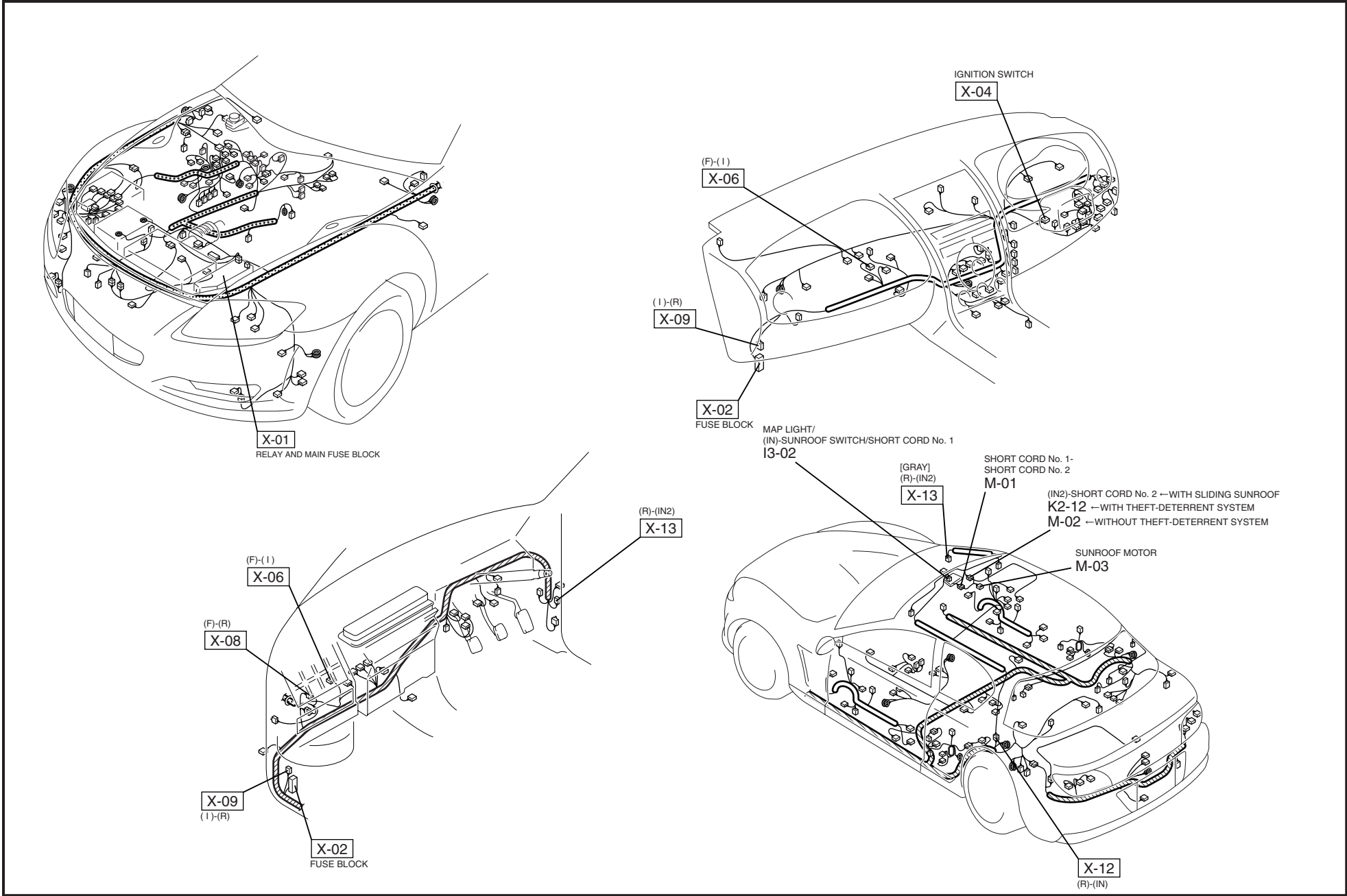


L-01 POWER OUTER MIRROR SWITCH(DR1)		L-02 POWER OUTER MIRROR/ HEATED OUTER MIRROR RH(DR1)		L-03 POWER OUTER MIRROR/ HEATED OUTER MIRROR LH(DR2)		



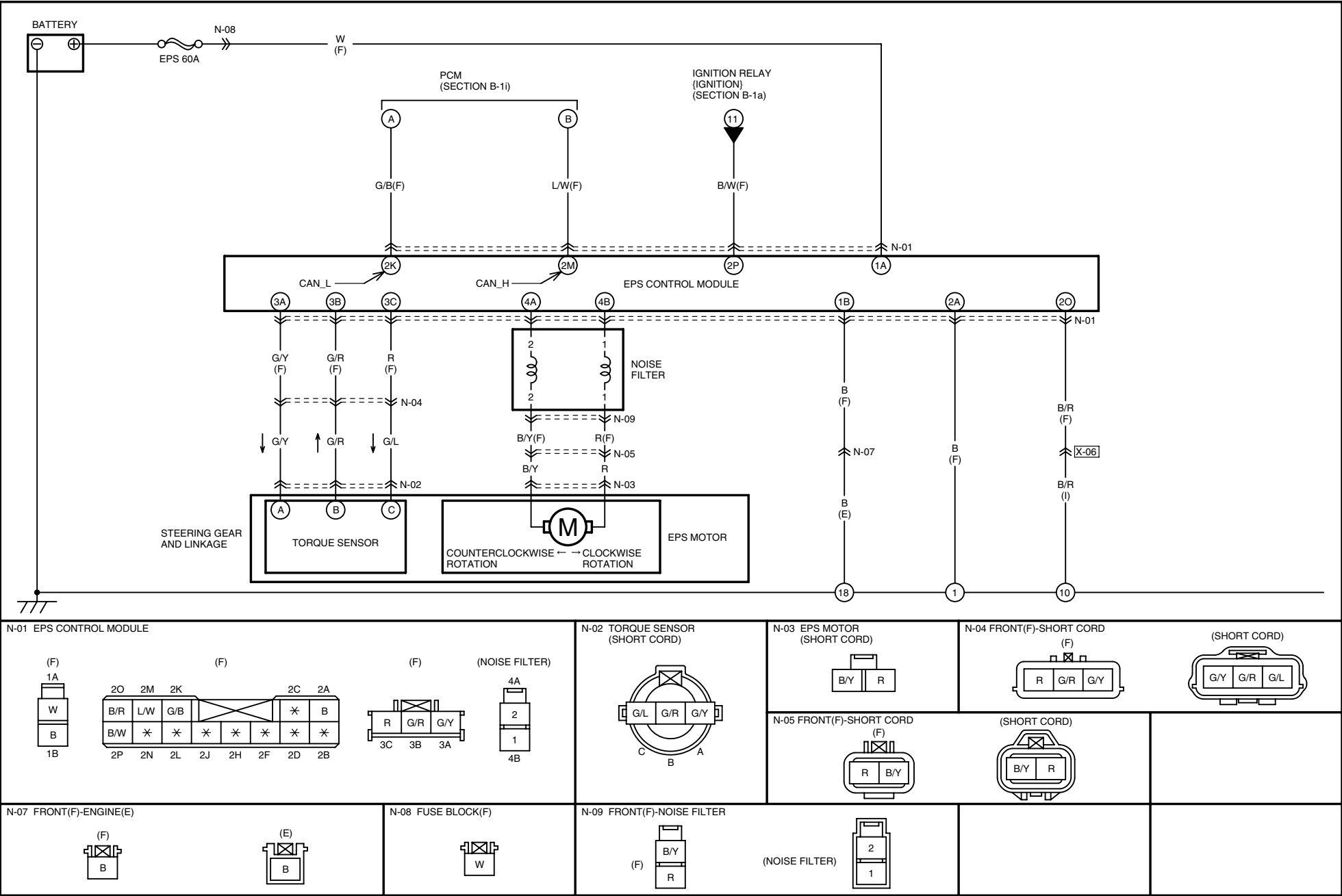


HARNESS SYMBOL:  (F)  (E)  (R)

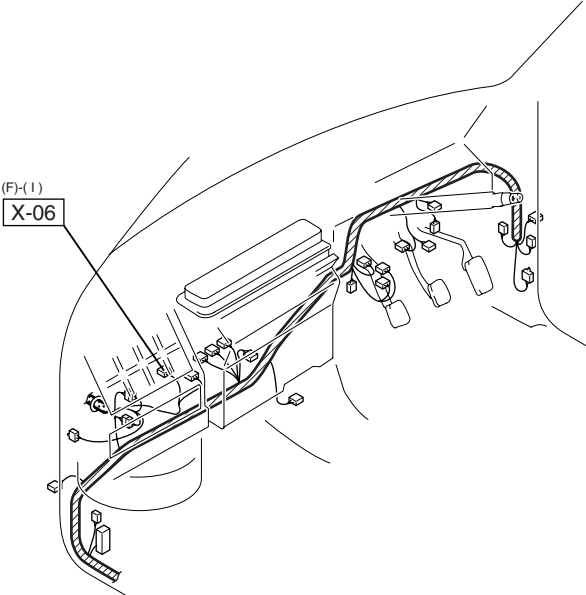
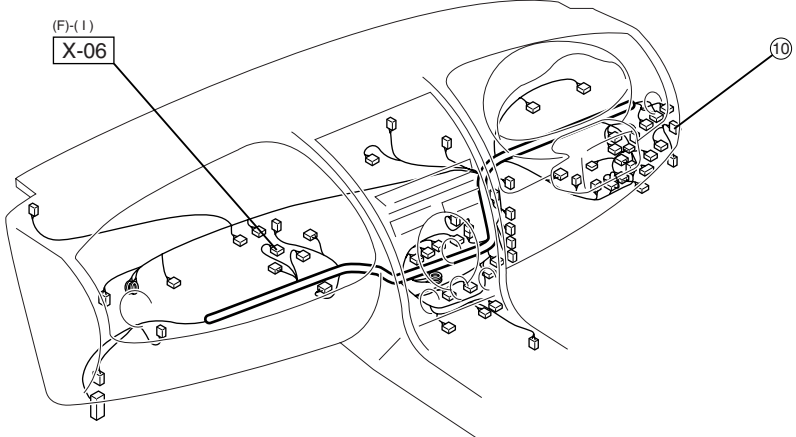
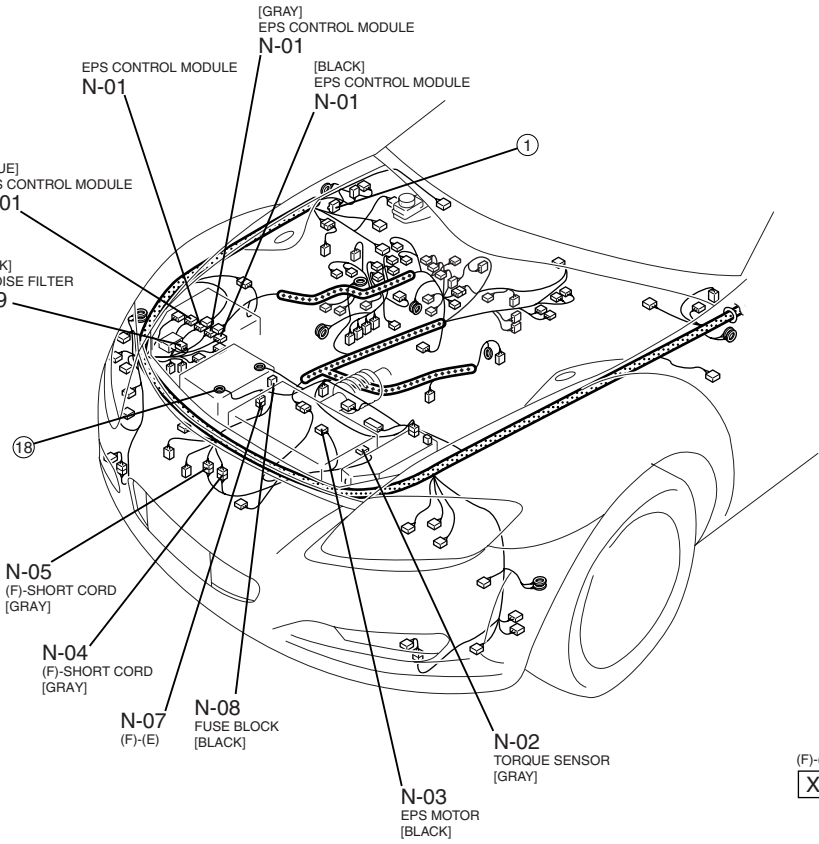


ELECTRIC POWER STEERING(EPS)SYSTEM

N



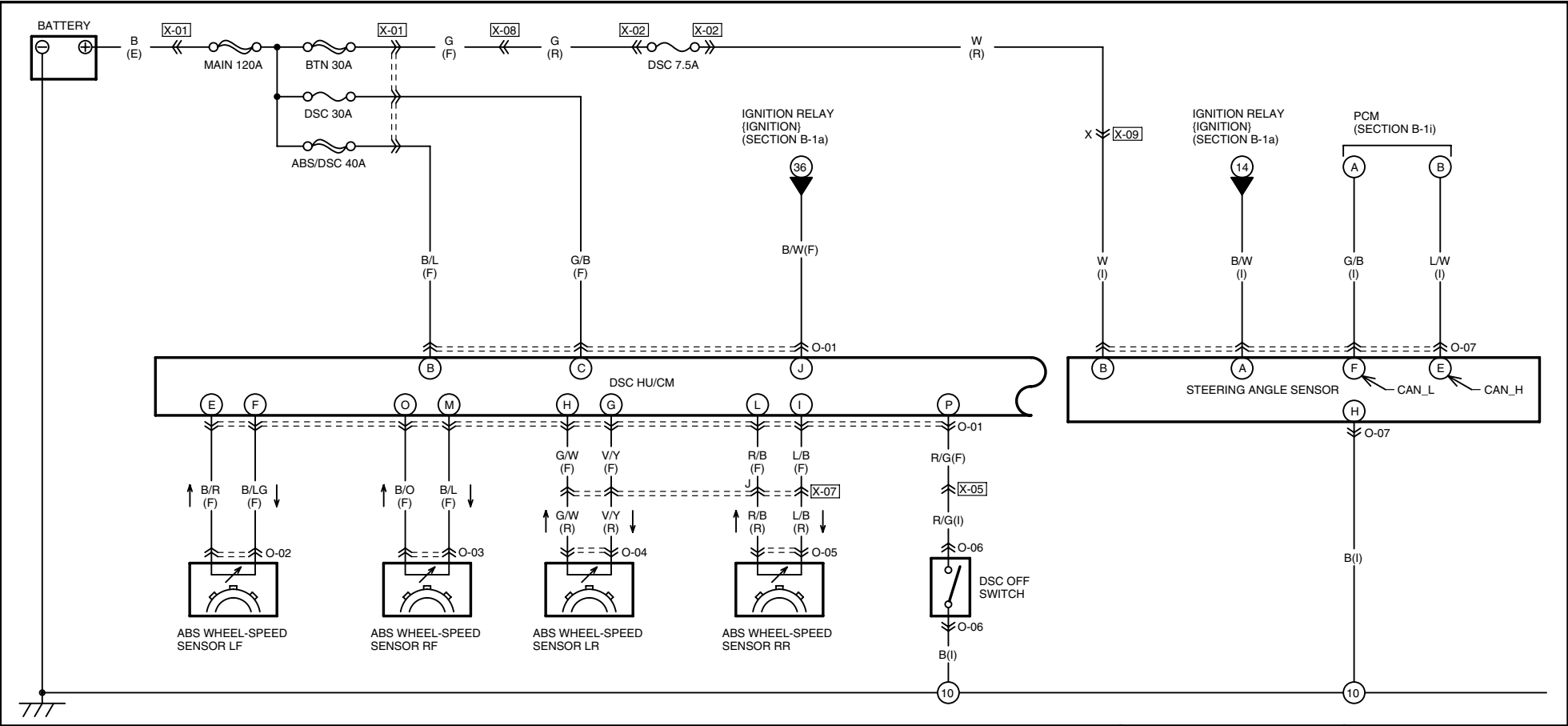
HARNESS SYMBOL:  (F)  (E)  (R)



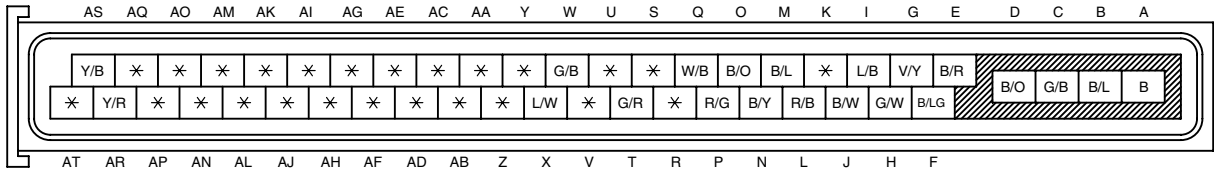


DYNAMIC STABILITY CONTROL(DSC)SYSTEM

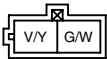
O-a



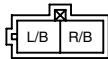
O-01 DSC HU/CM(F)



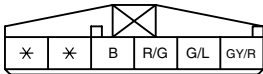
O-04 ABS WHEEL-SPEED SENSOR LR(R)



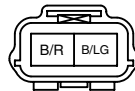
O-05 ABS WHEEL-SPEED SENSOR RR(R)



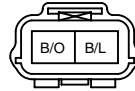
O-06 DSC OFF SWITCH(I)



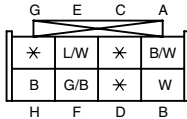
O-02 ABS WHEEL-SPEED SENSOR LF(F)



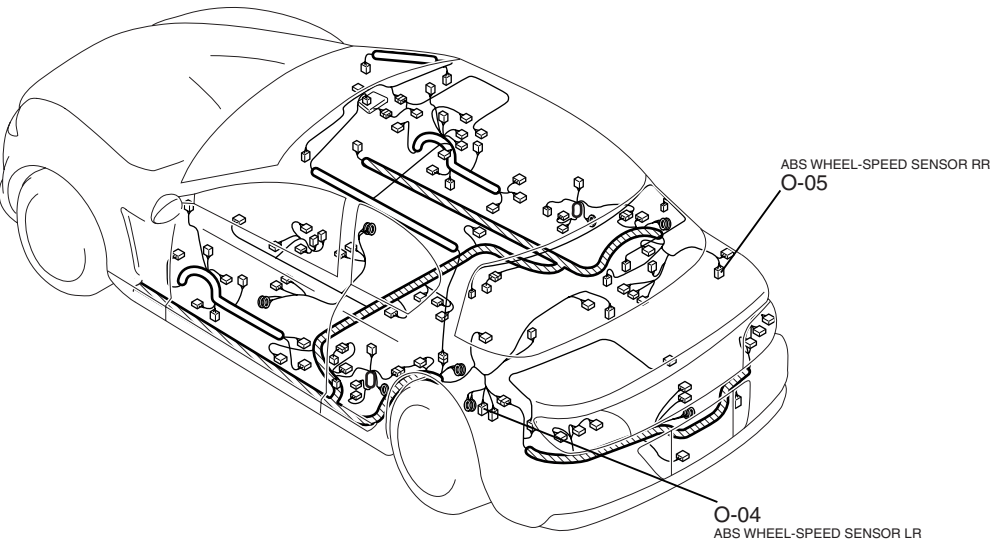
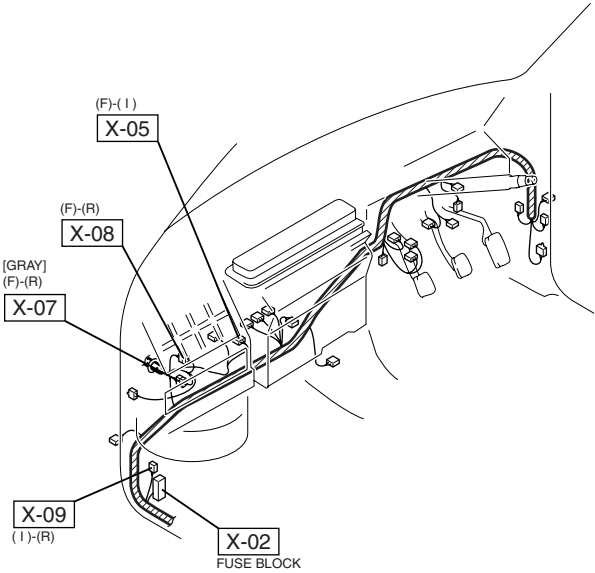
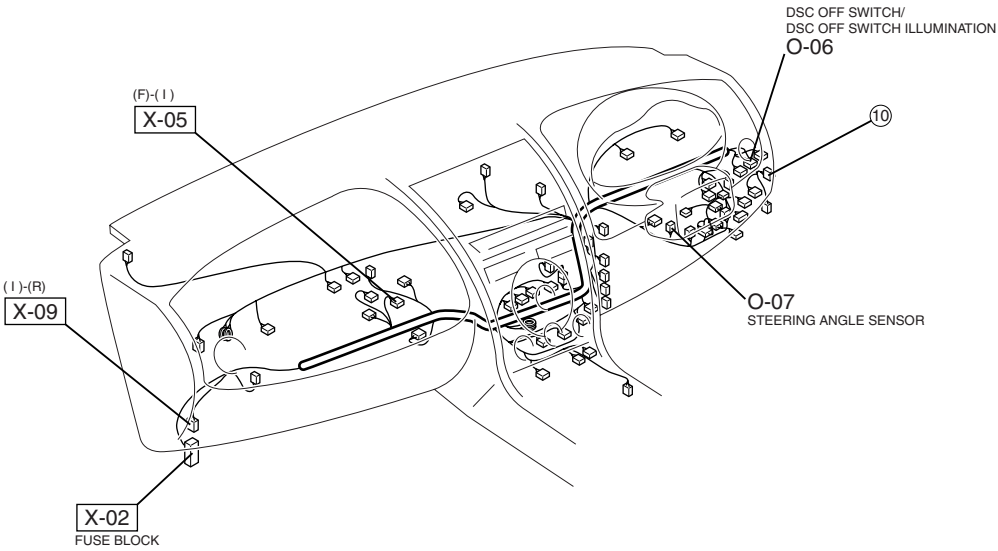
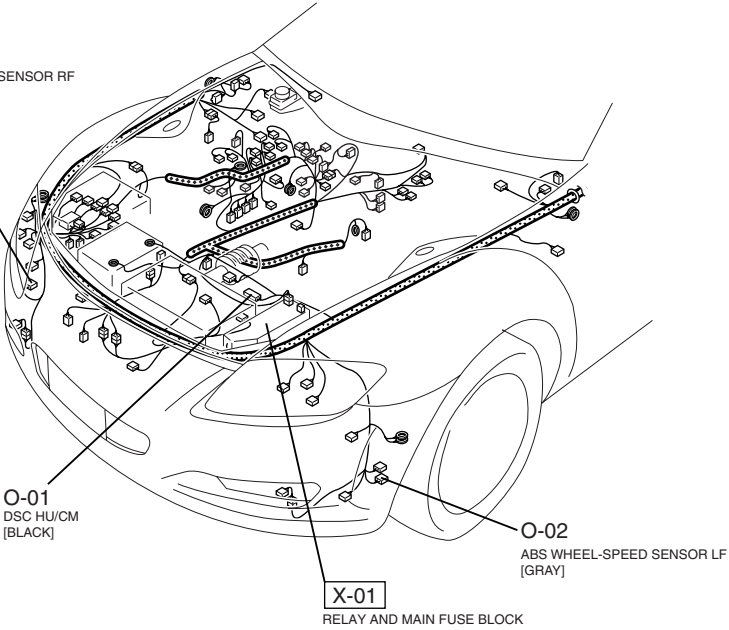
O-03 ABS WHEEL-SPEED SENSOR RF(F)



O-07 STEERING ANGLE SENSOR(I)

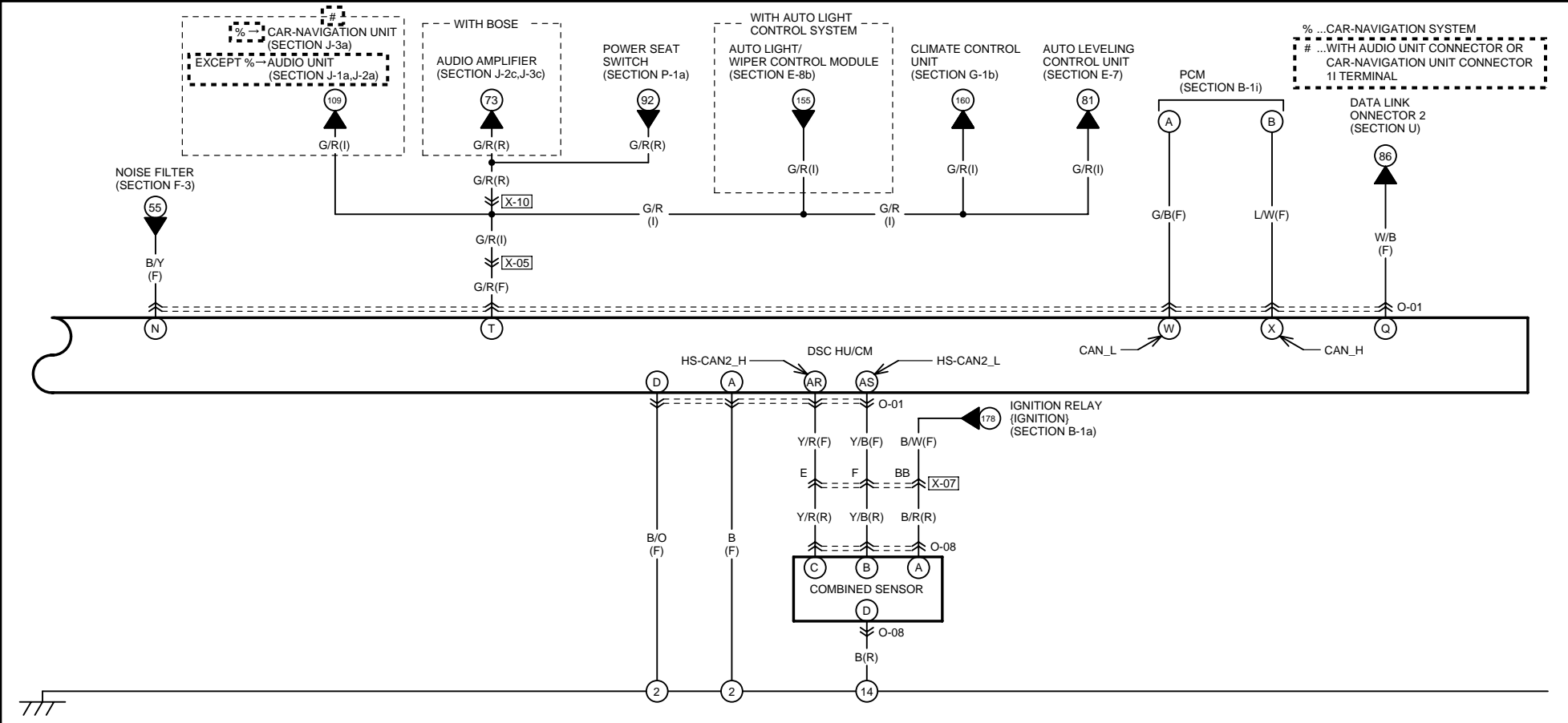


HARNESS SYMBOL:  (F)  (E)  (R)



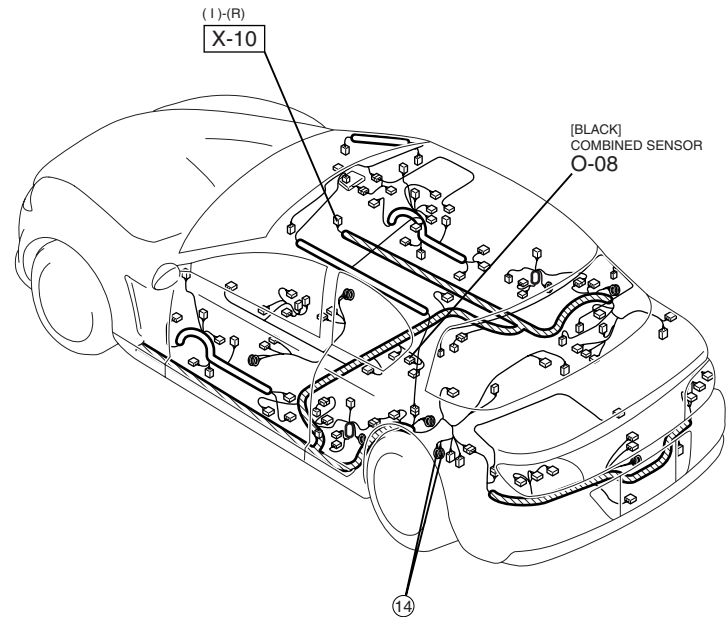
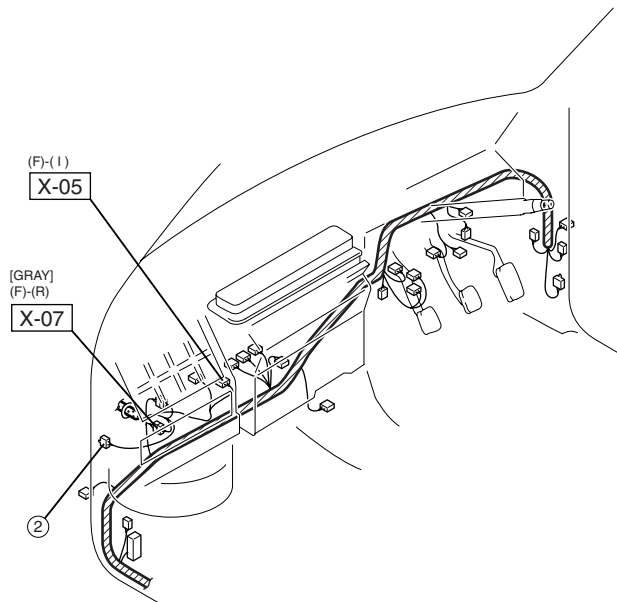
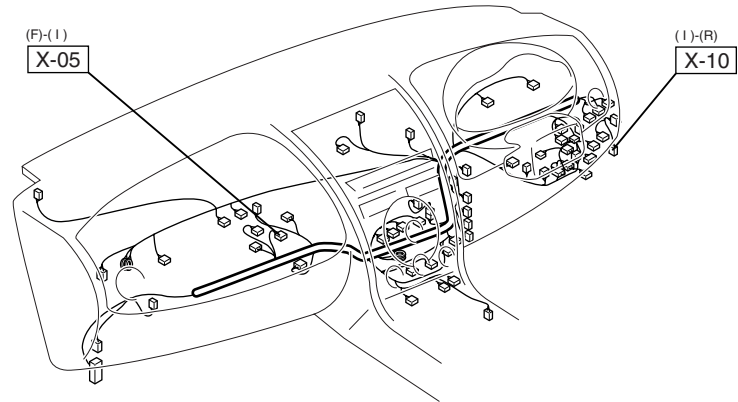
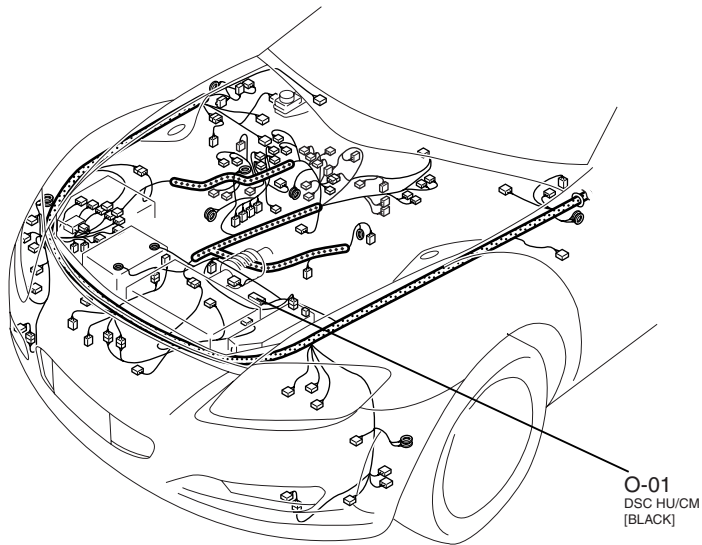
DYNAMIC STABILITY CONTROL(DSC)SYSTEM

O-b



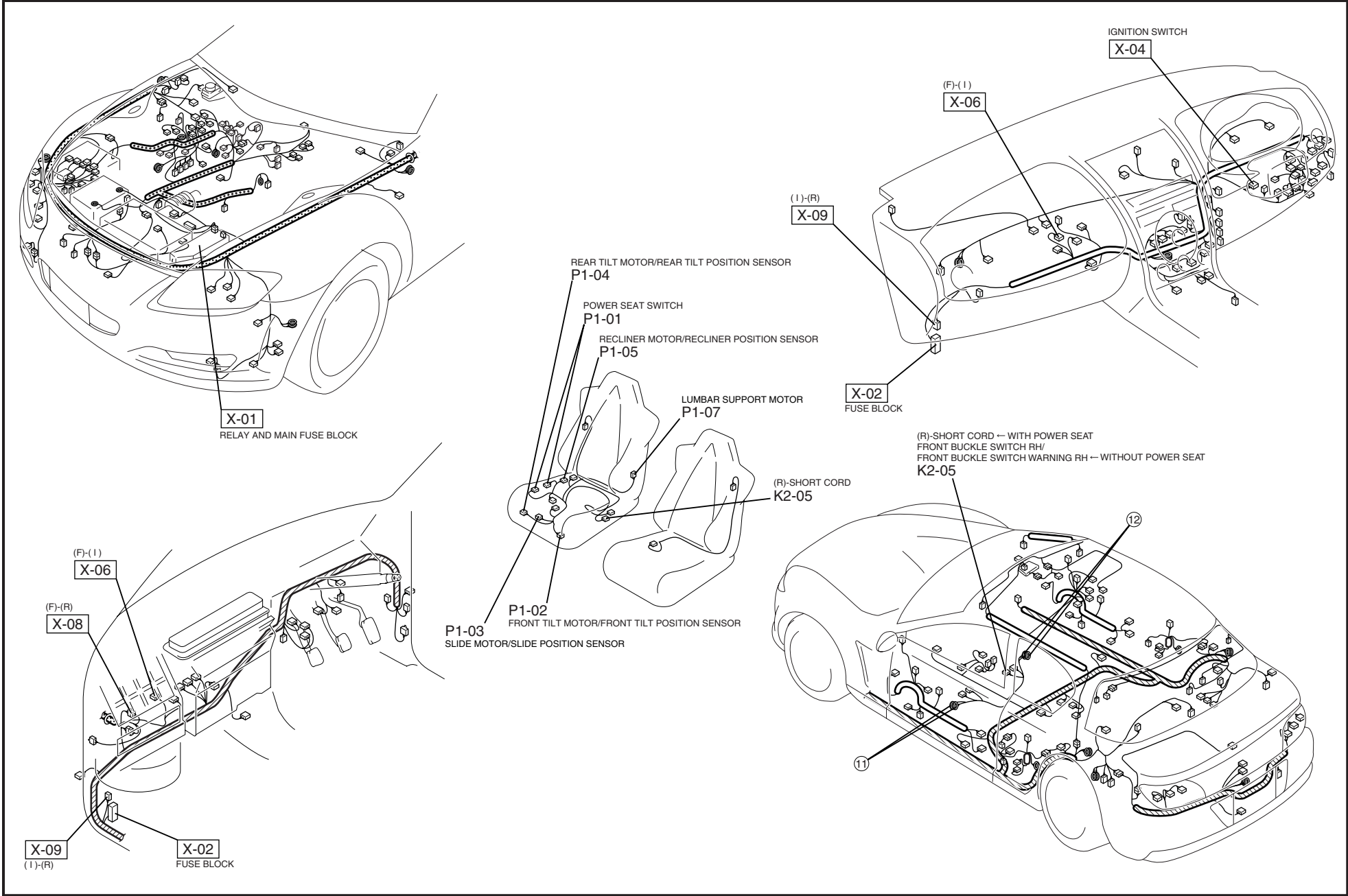
O-01 DSC HU/CM(F)		O-08 COMBINED SENSOR(R)	

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



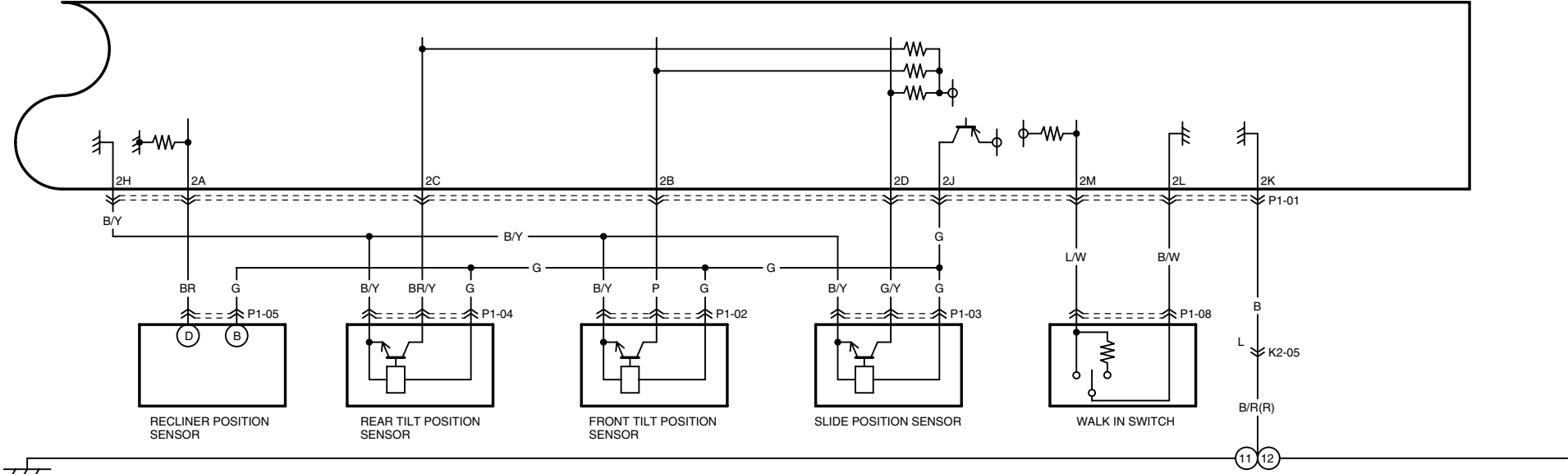


HARNESS SYMBOL:  (F)  (E)  (R)



@ ...NOT USED  
( ) ...WITH SEAT WARMER

POWER SEAT SWITCH



P1-01 POWER SEAT SWITCH(SHORT CORD)

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

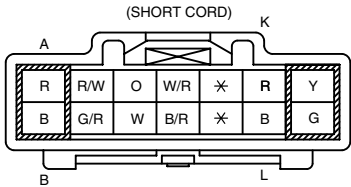
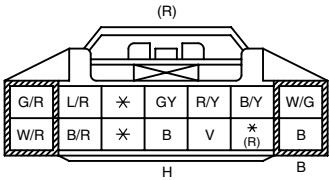
P1-02 FRONT TILT POSITION SENSOR(SHORT CORD)

P			*
B/Y	G	L/W	W/L

P1-03 SLIDE POSITION SENSOR(SHORT CORD)

G/Y			*
B/Y	G	W/G	G/W

K2-05 REAR(R)-SHORT CORD



P1-04 REAR TILT POSITION SENSOR(SHORT CORD)

BR/Y			*
B/Y	G	BR/W	Y/B

P1-05 RECLINER POSITION SENSOR(SHORT CORD)

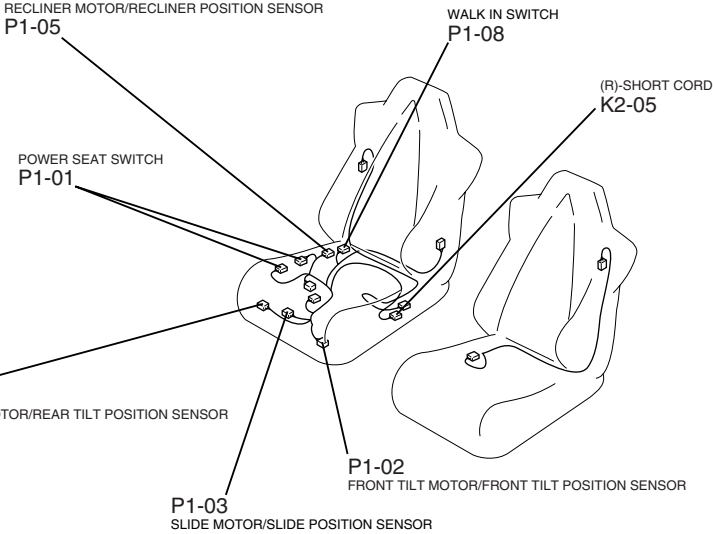
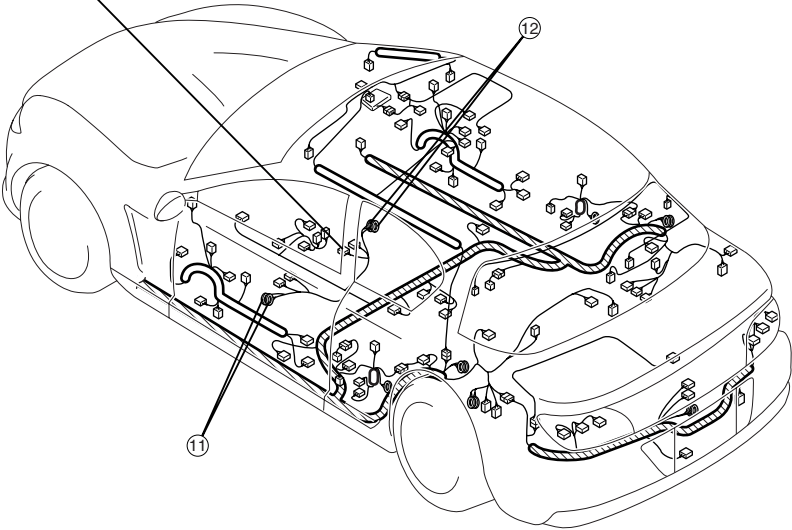
E	D	C	B	A
B/Y	BR	*	G	Y/B

P1-08 WALK IN SWITCH (SHORT CORD)

B/W	L/W
-----	-----

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

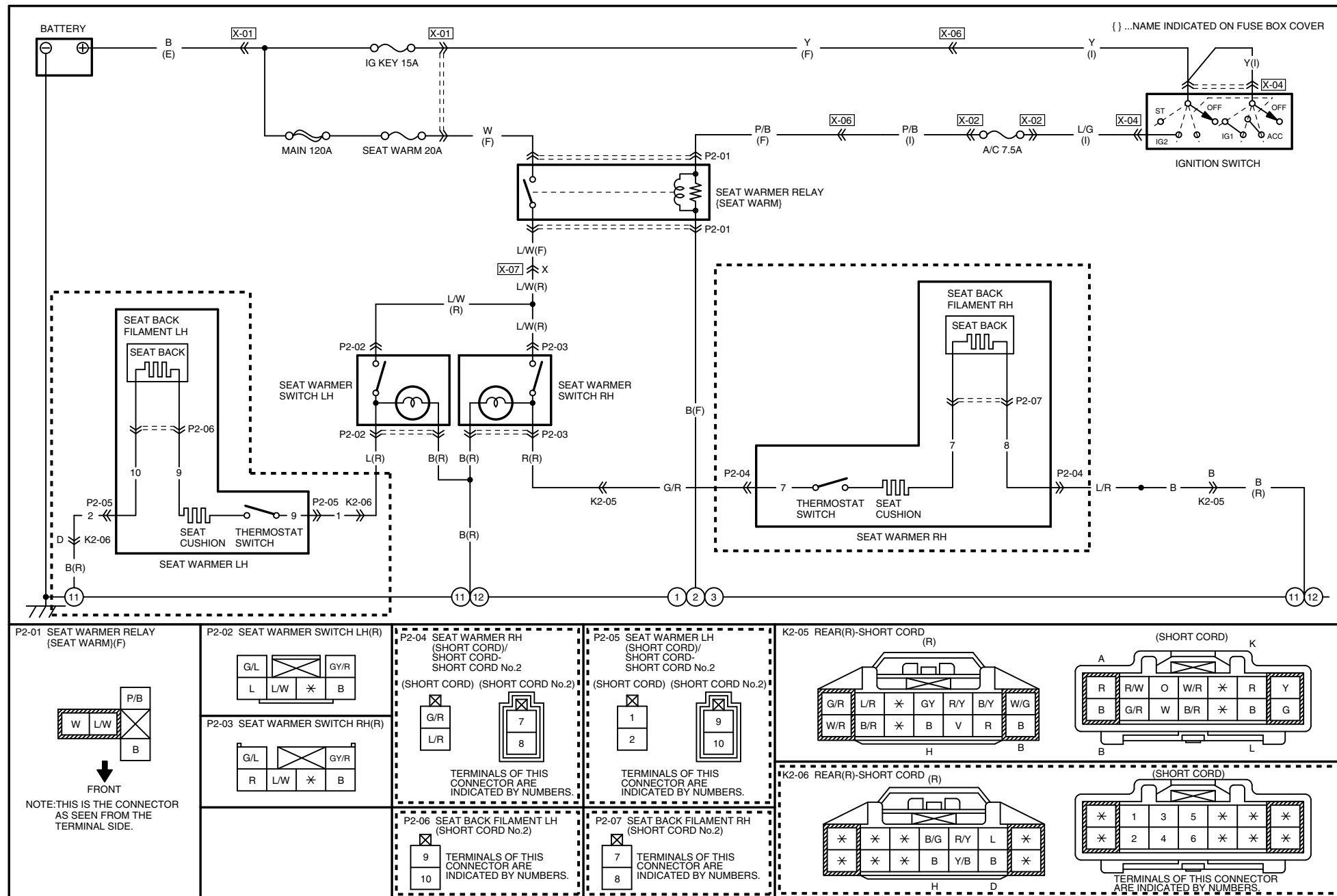
(R)-SHORT CORD ← WITH POWER SEAT  
FRONT BUCKLE SWITCH RH/  
FRONT BUCKLE SWITCH WARNING RH ← WITHOUT POWER SEAT  
K2-05



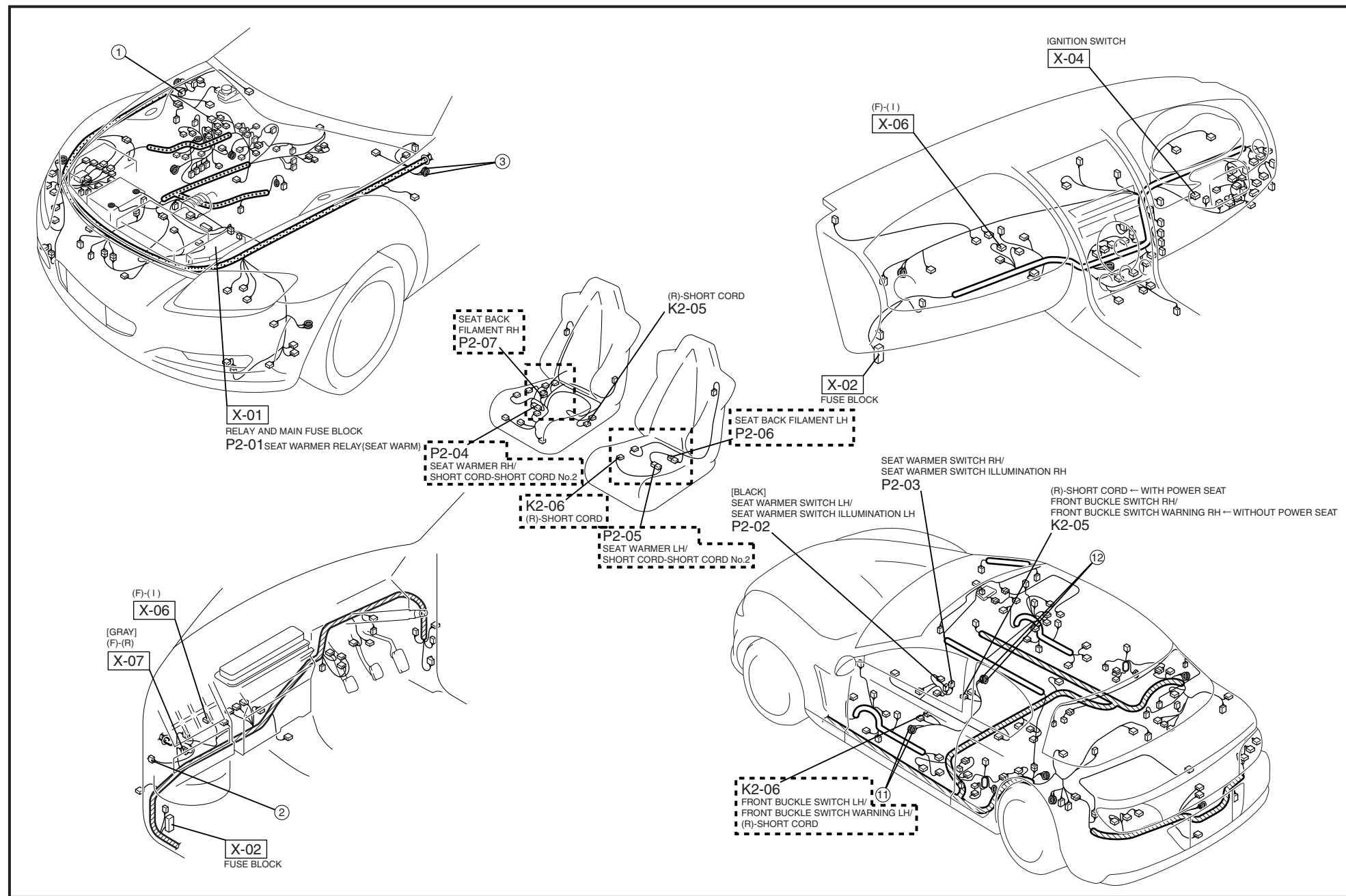


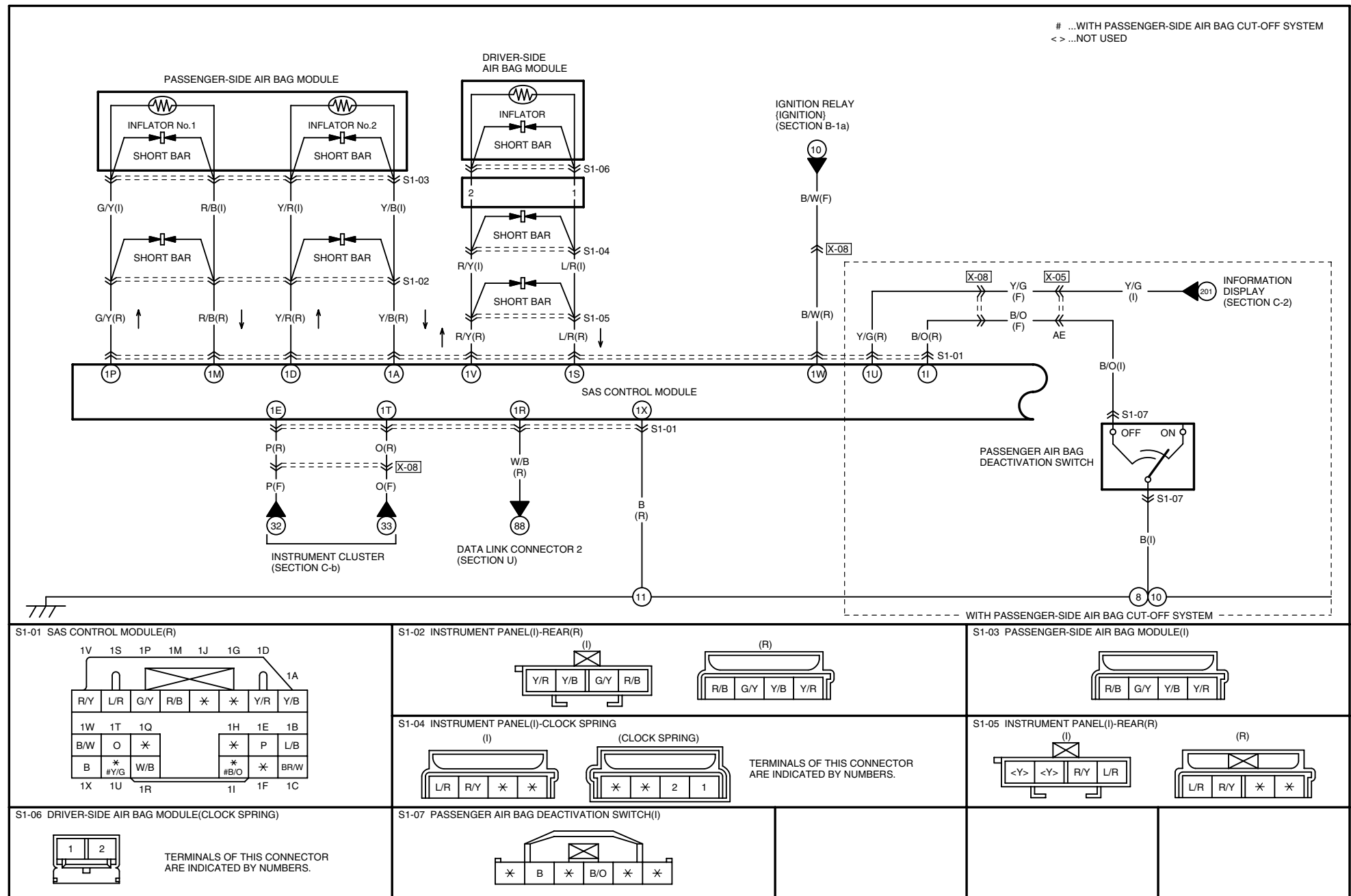
# SEAT WARMER

P-2

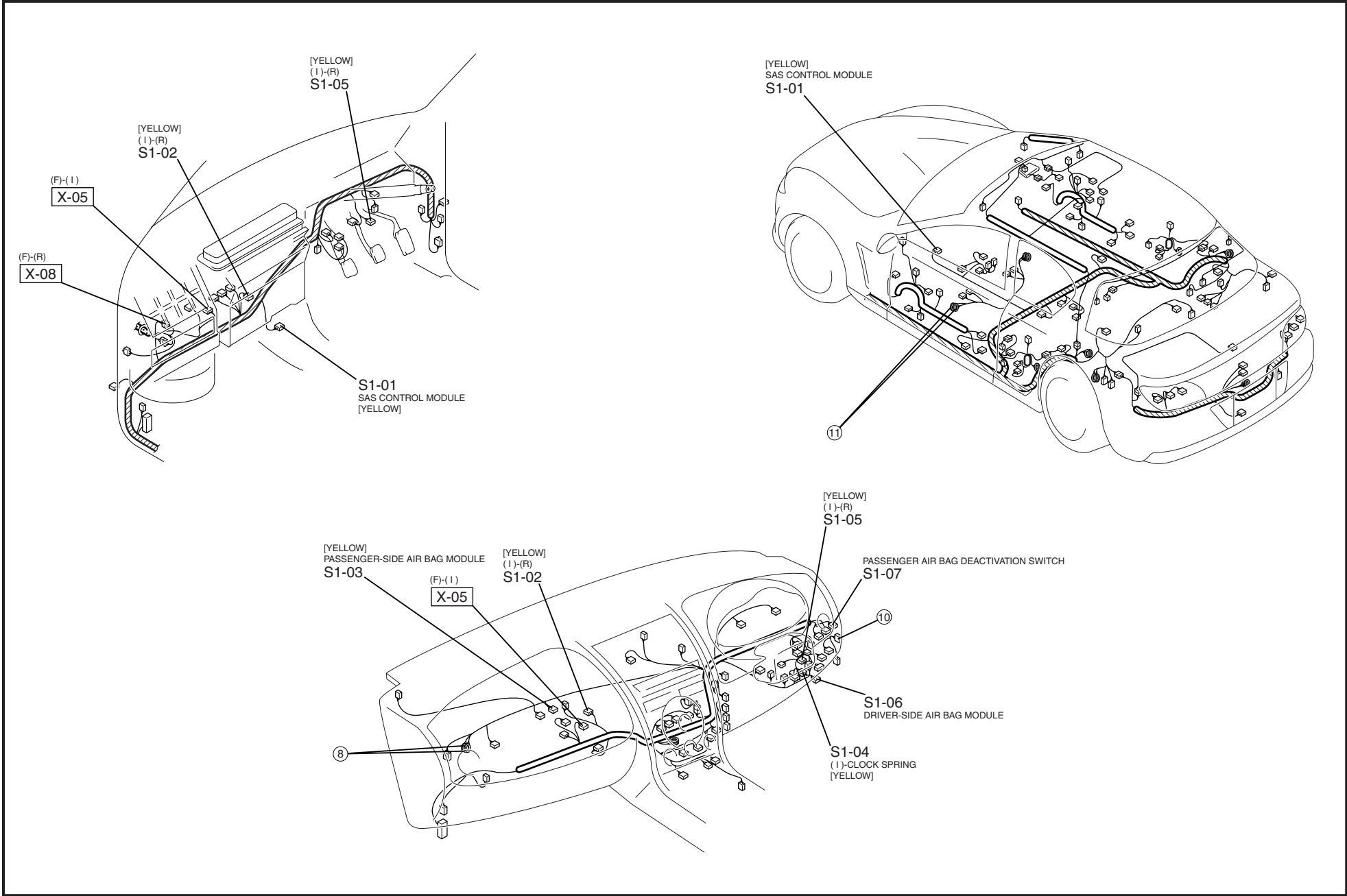


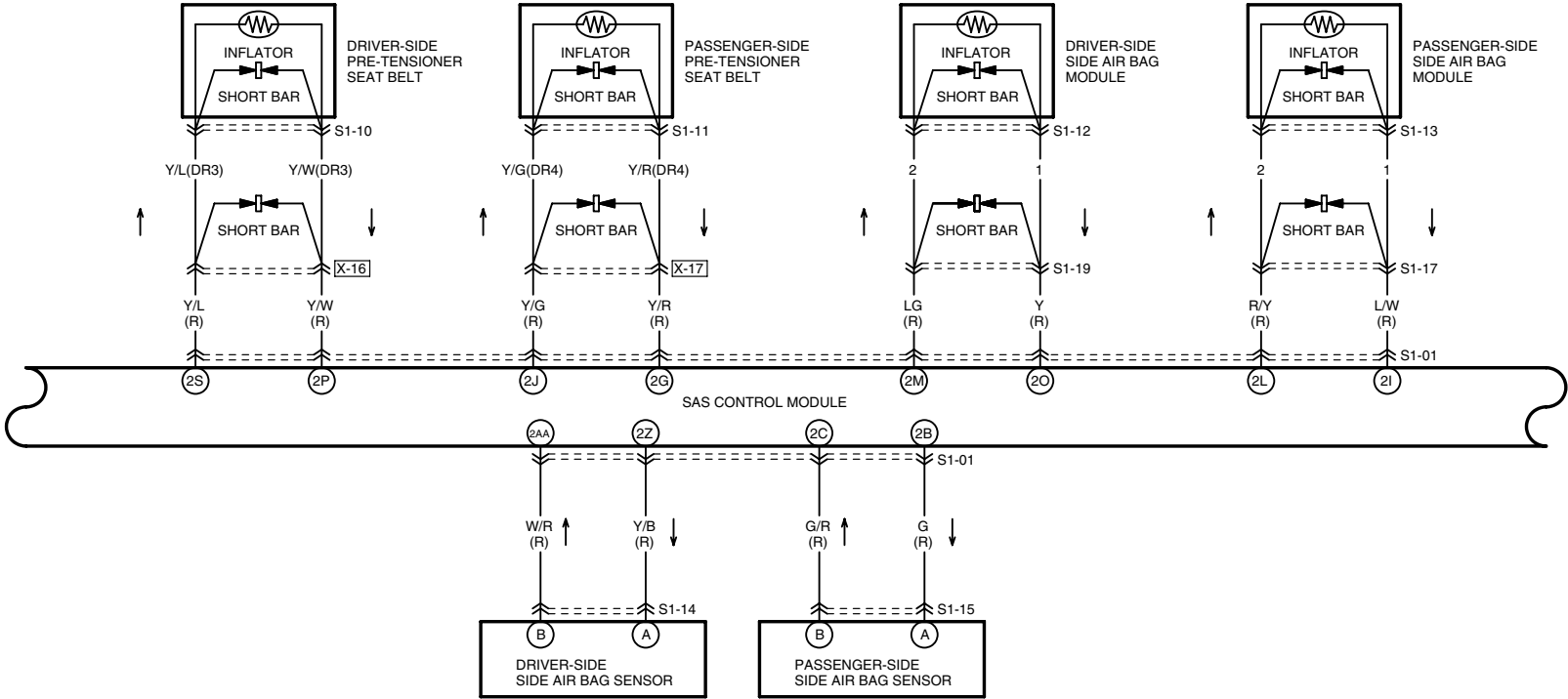
HARNESS SYMBOL:  (F)  (E)  (R)

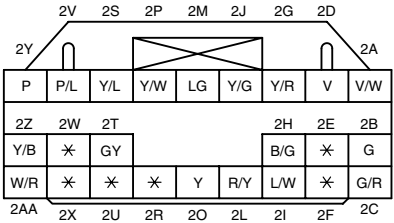
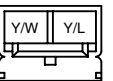
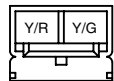
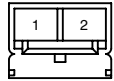
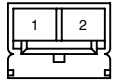
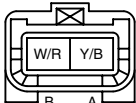
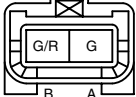

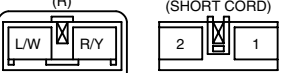




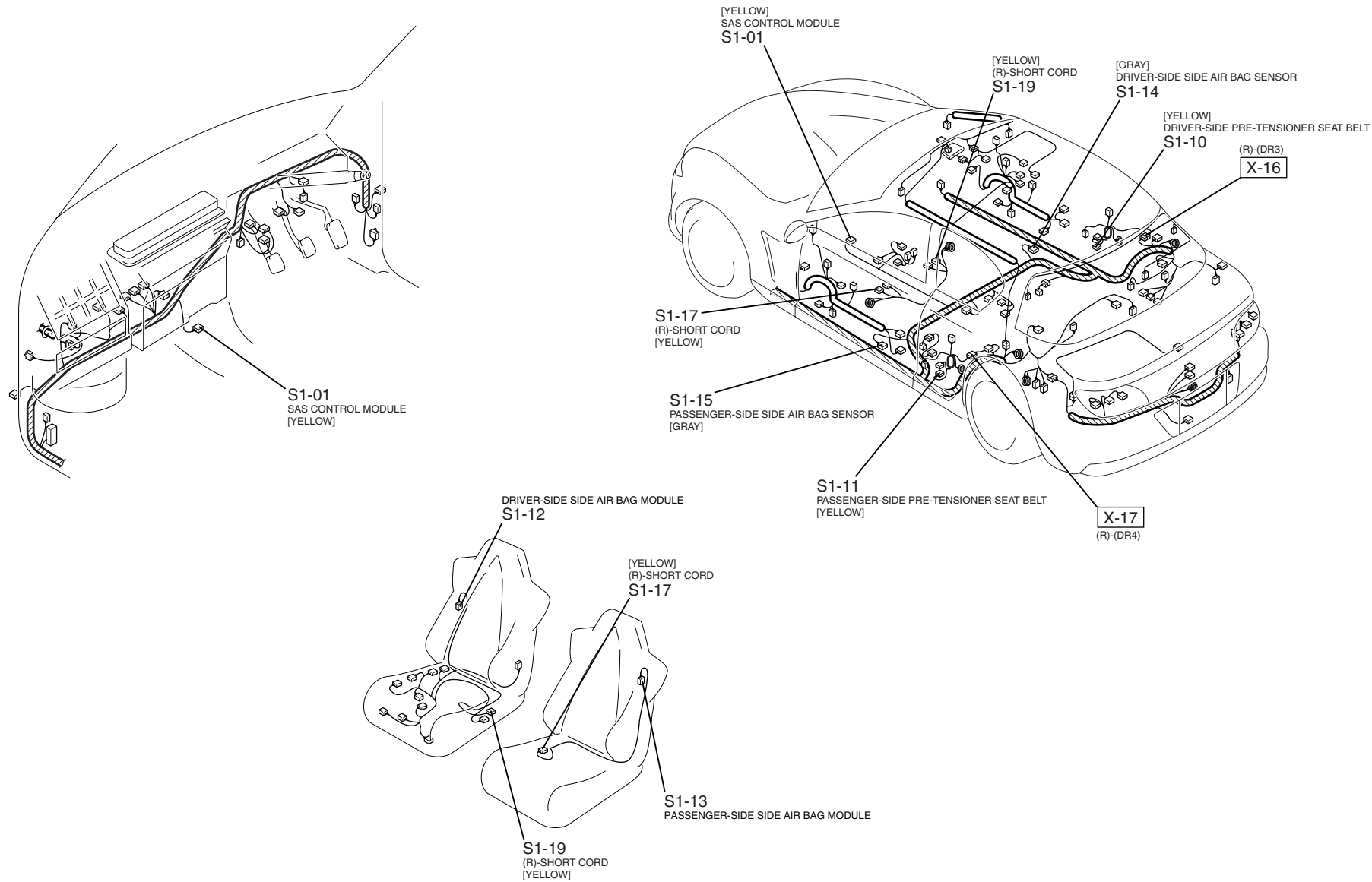
HARNESS SYMBOL:  (F)  (E)  (R)

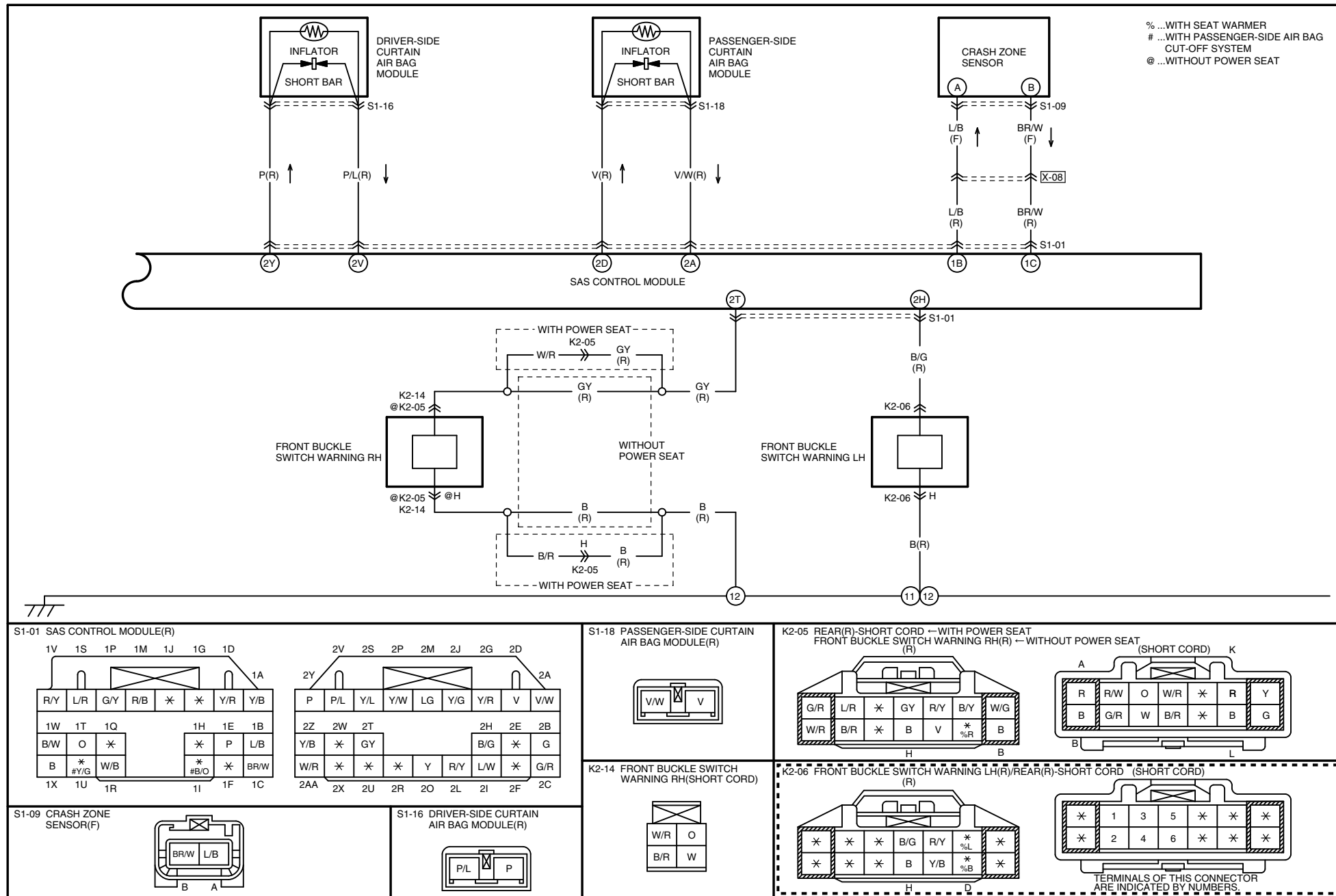




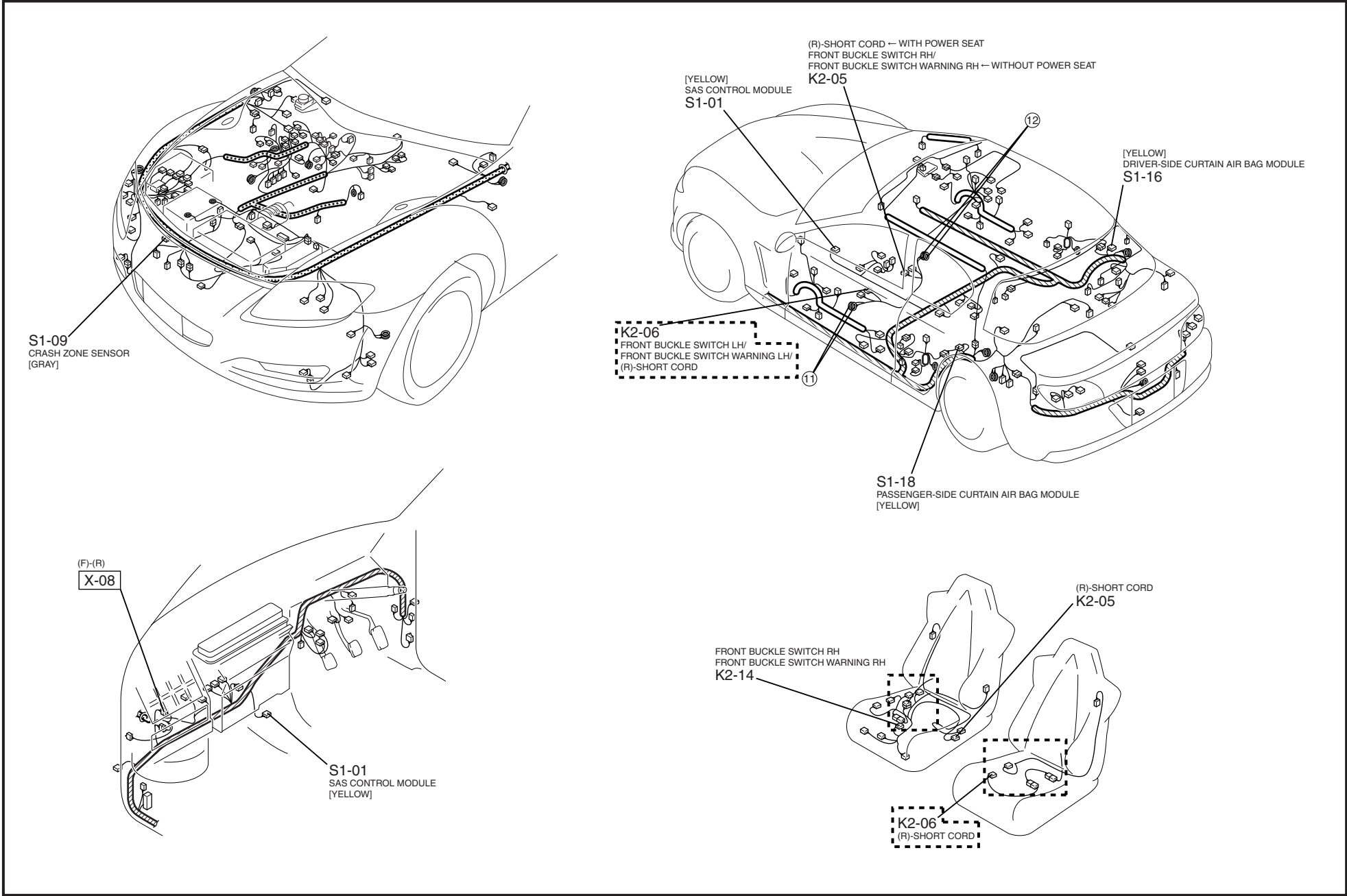
<p>S1-01 SAS CONTROL MODULE(R)</p> 	<p>S1-10 DRIVER-SIDE PRE-TENSIONER SEAT BELT(DR3)</p> 	<p>S1-11 PASSENGER-SIDE PRE-TENSIONER SEAT BELT(DR4)</p> 	<p>S1-12 DRIVER-SIDE SIDE AIR BAG MODULE(R)</p>  <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>	<p>S1-13 PASSENGER-SIDE SIDE AIR BAG MODULE(R)</p>  <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>	<p>S1-14 DRIVER-SIDE SIDE AIR BAG SENSOR(R)</p> 
<p>S1-15 PASSENGER-SIDE SIDE AIR BAG SENSOR(R)</p> 	<p>S1-19 REAR(R)-SHORT CORD</p>  <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>	<p>S1-17 REAR(R)-SHORT CORD</p>  <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>			

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



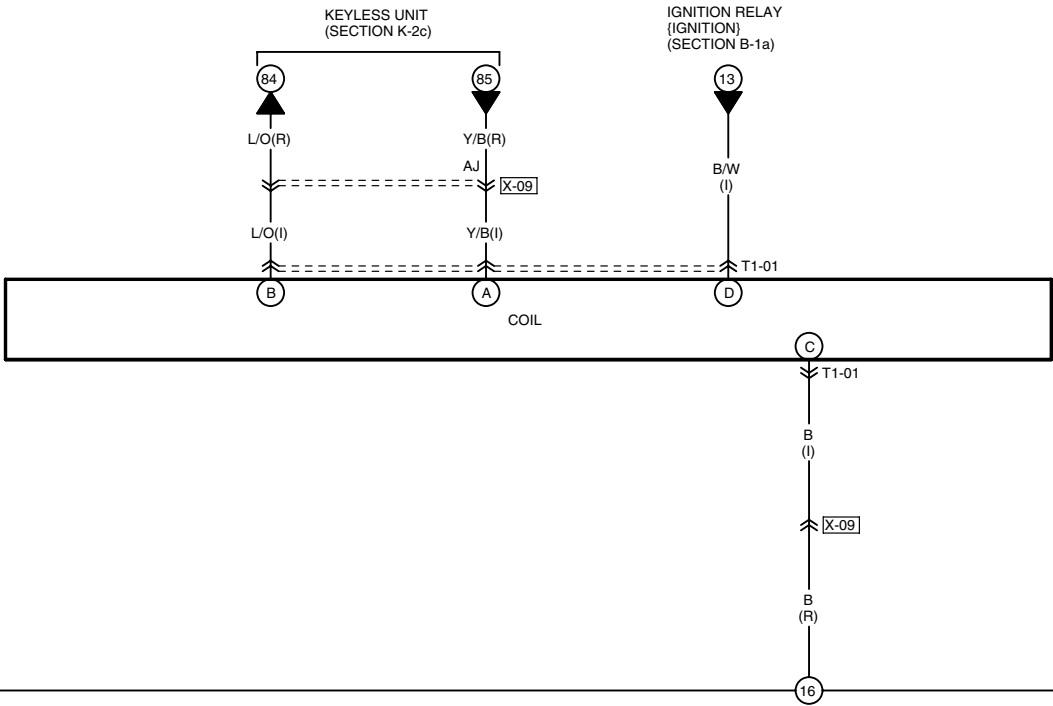


HARNESS SYMBOL:  (F)  (E)  (R)

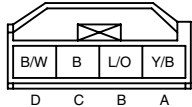


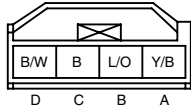
Mazda RX-8 Wiring Diagram (5758-1\*-08D)






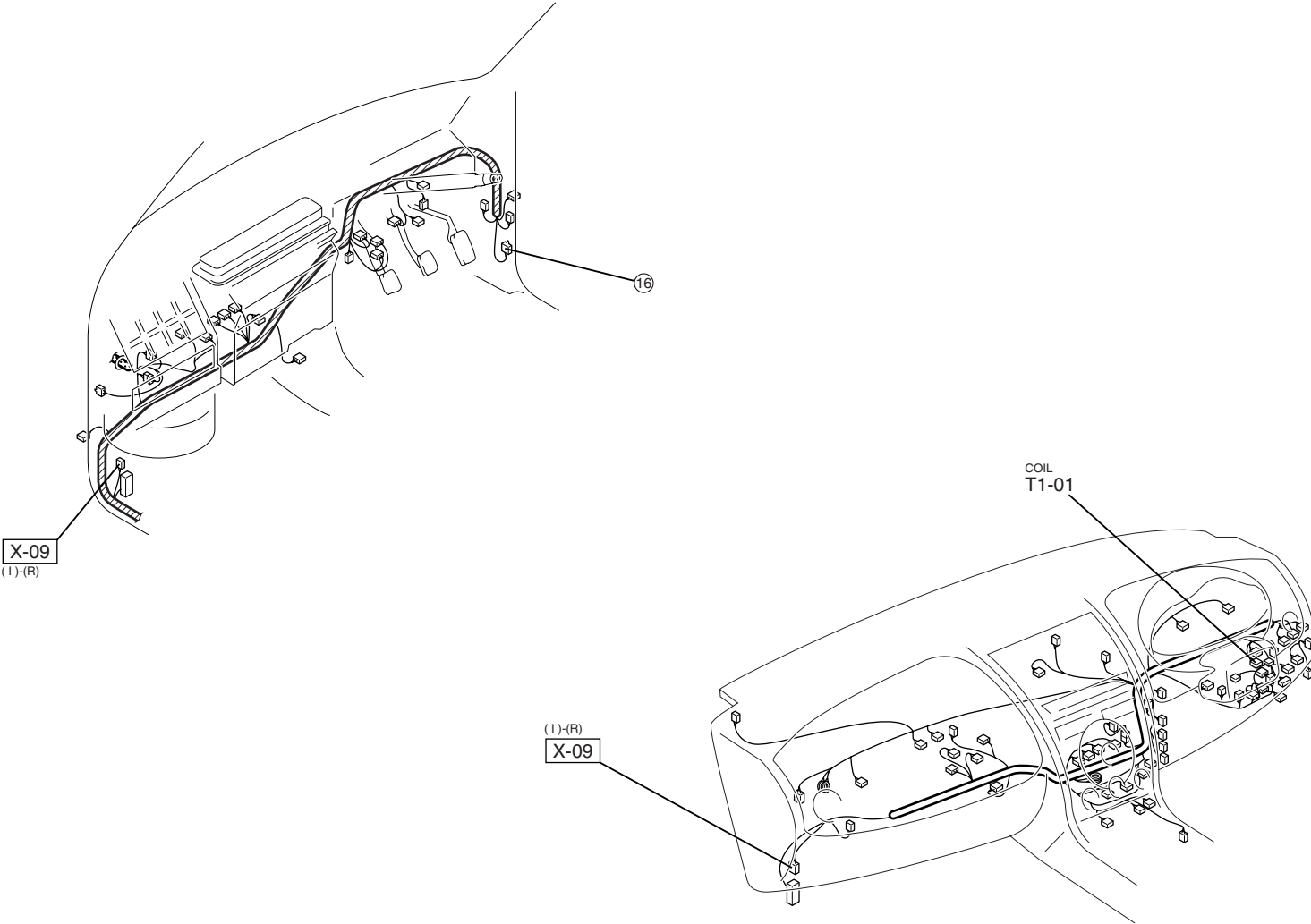


T1-01 COIL(I)

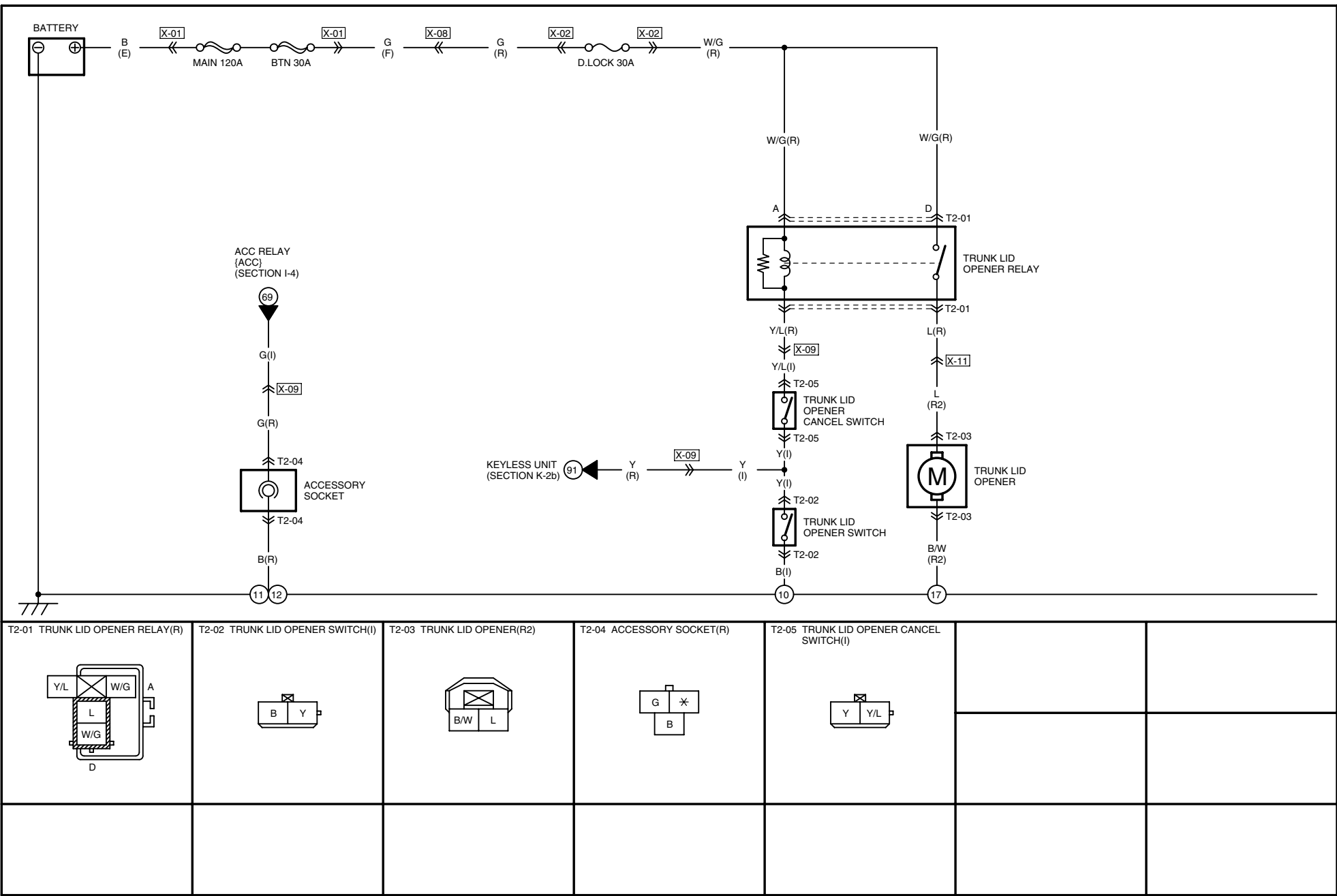


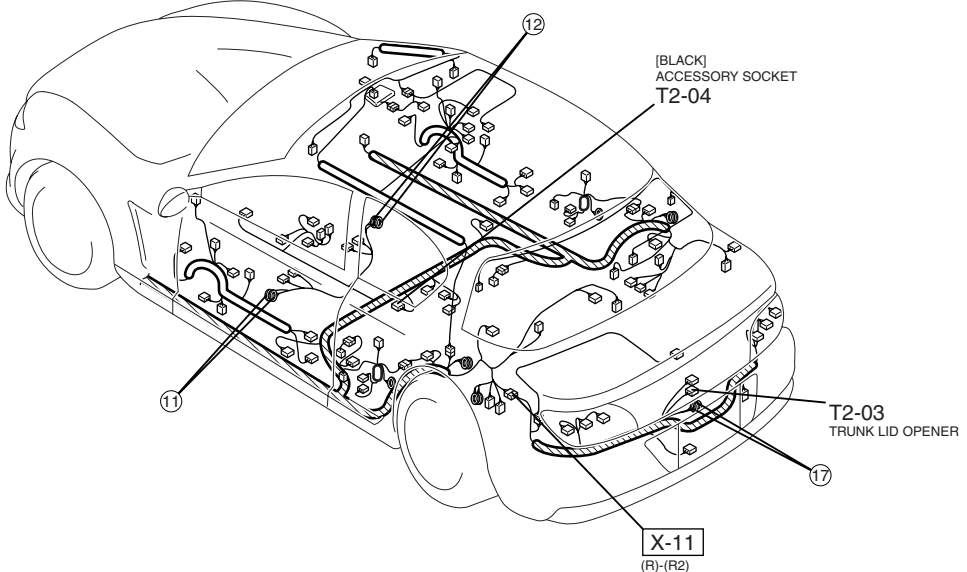
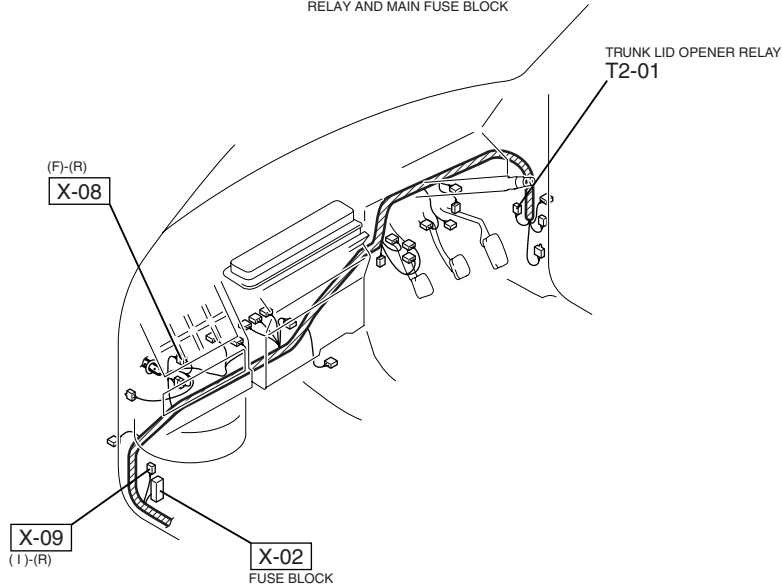
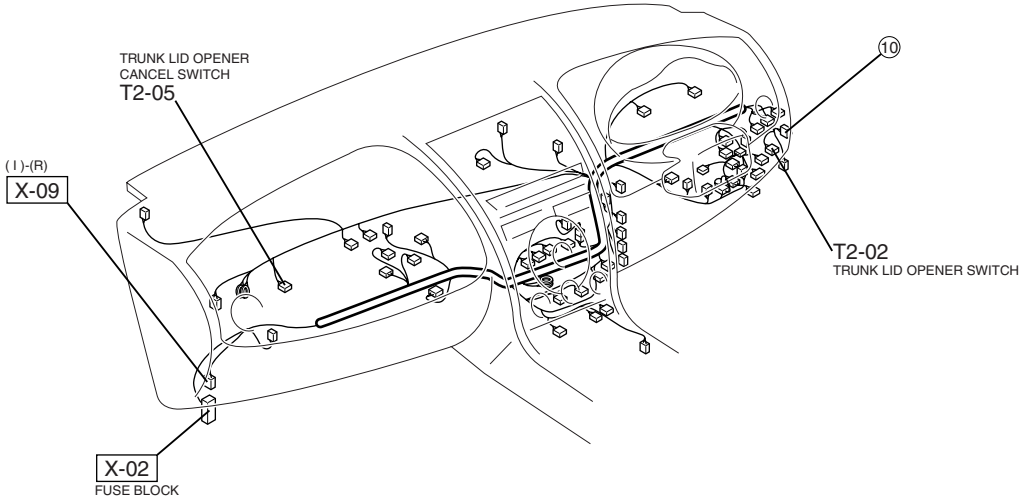
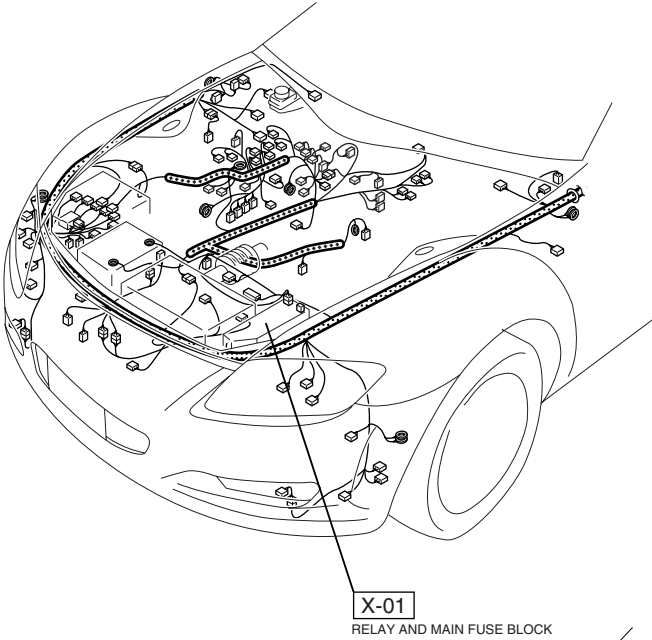
HARNESS SYMBOL:  (F)  (E)  (R)



164

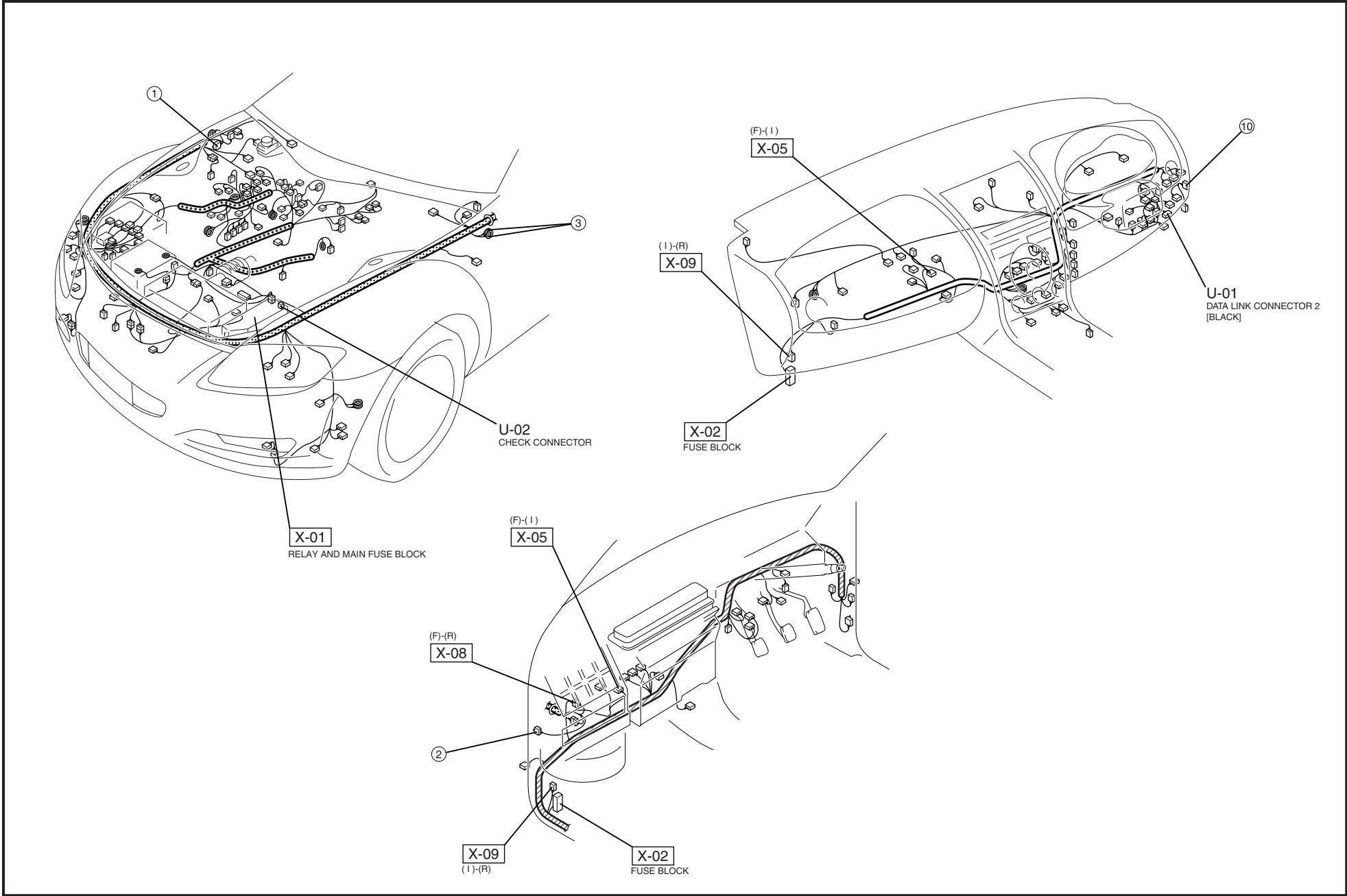


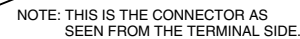
HARNESS SYMBOL:  (F)  (E)  (R)





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





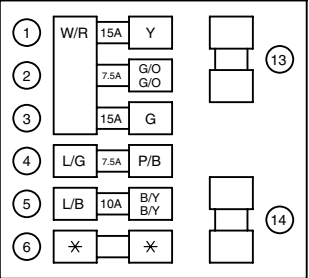
{ } NAME INDICATED ON FUSE BOX COVER  
( ) EQUIPPED ONLY WITH THE RELATED SYSTEM

# COMMON CONNECTOR LIST

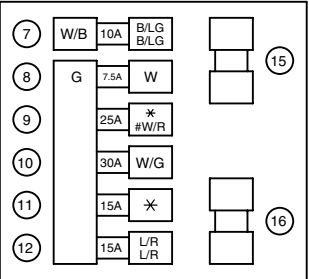
X-02 FUSE BLOCK

# ...WITH BOSE

(I)



(R)

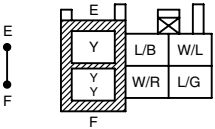


NOTE: THIS IS THE CONNECTOR AS SEEN FROM THE TERMINAL SIDE.

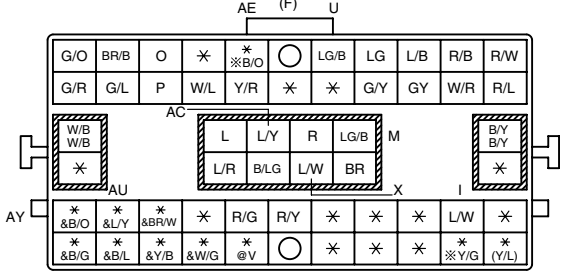
( ) EQUIPPED ONLY WITH THE RELATED SYSTEM

- |           |            |
|-----------|------------|
| ① CIGAR   | ⑨ (AUDIO)  |
| ② ACC     | ⑩ D.LOCK   |
| ③ PWR     | ⑪ (OUTLET) |
| ④ A/C     | ⑫ ROOM     |
| ⑤ METER   | ⑬ SPARE    |
| ⑥ —       | ⑭ SPARE    |
| ⑦ (M.DEF) | ⑮ SPARE    |
| ⑧ (DSC)   | ⑯ SPARE    |

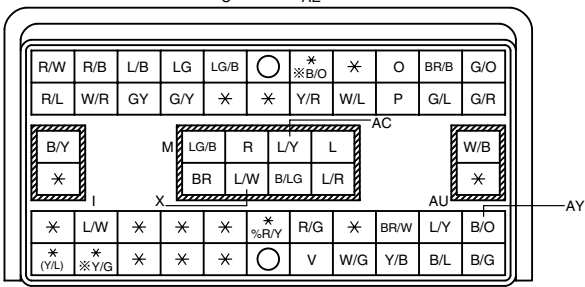
X-04 IGNITION SWITCH(I)



X-05 FRONT(F)-INSTRUMENT PANEL(I)



X-05 FRONT(F)-INSTRUMENT PANEL(I)

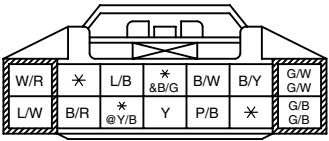


& ...WITH HEADLIGHT AUTO LEVELING SYSTEM  
@ ...WITH HEADLIGHT CLEANER SYSTEM  
( ) ...WITH REAR FOG LIGHT  
\* ...WITH PASSENGER-SIDE AIR BAG CUT-OFF SYSTEM  
% ...WITH CAR-NAVIGATION SYSTEM

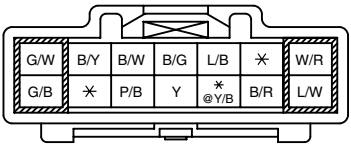
X-06 FRONT(F)-INSTRUMENT PANEL(I)

@ ...WITH REAR FOG LIGHT  
& ...MT

(F)



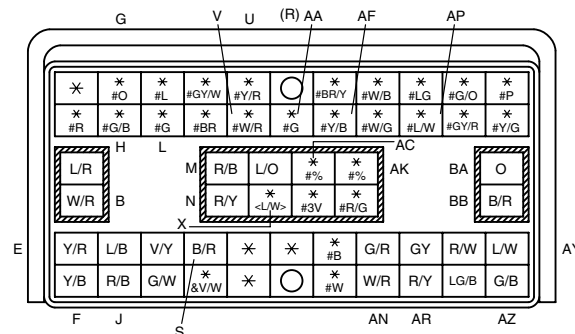
(I)





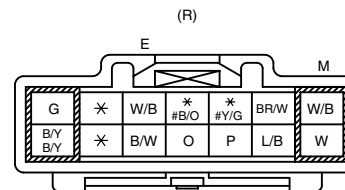
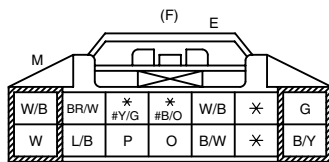
## 170

X-07 FRONT(F)-REAR(R)

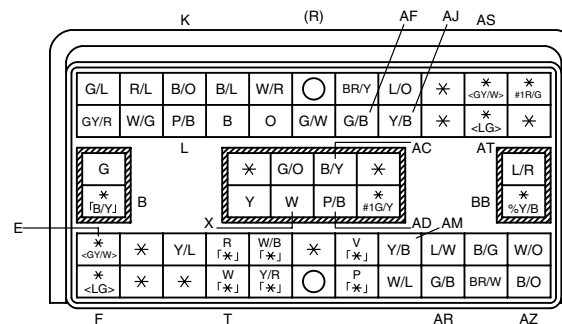
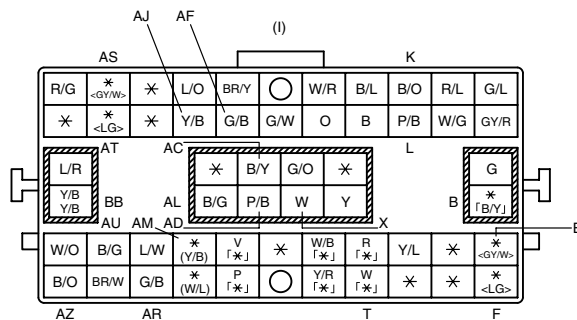


X-08 FRONT(F)-REAR(R)

# ...WITH PASSENGER-SIDE AIR BAG CUT-OFF SYSTEM

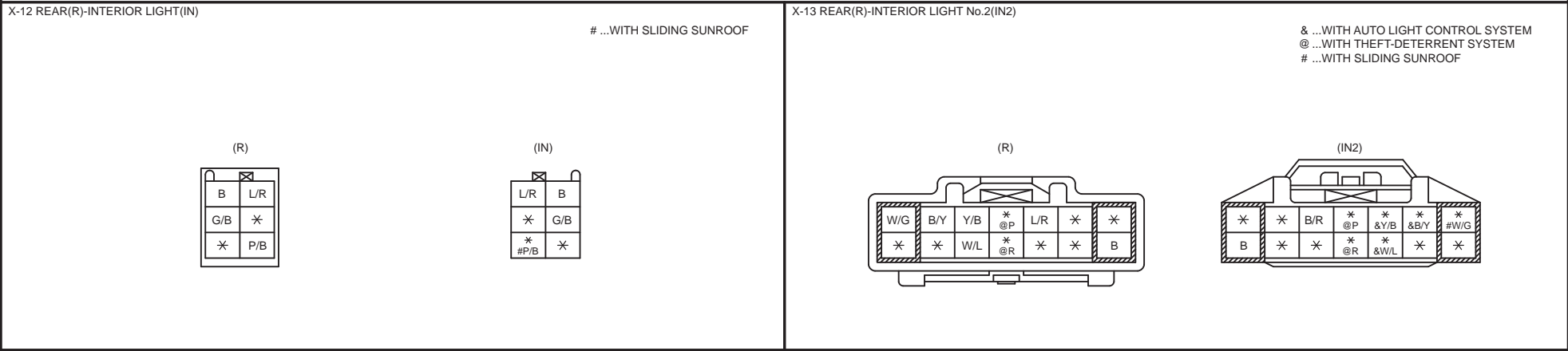
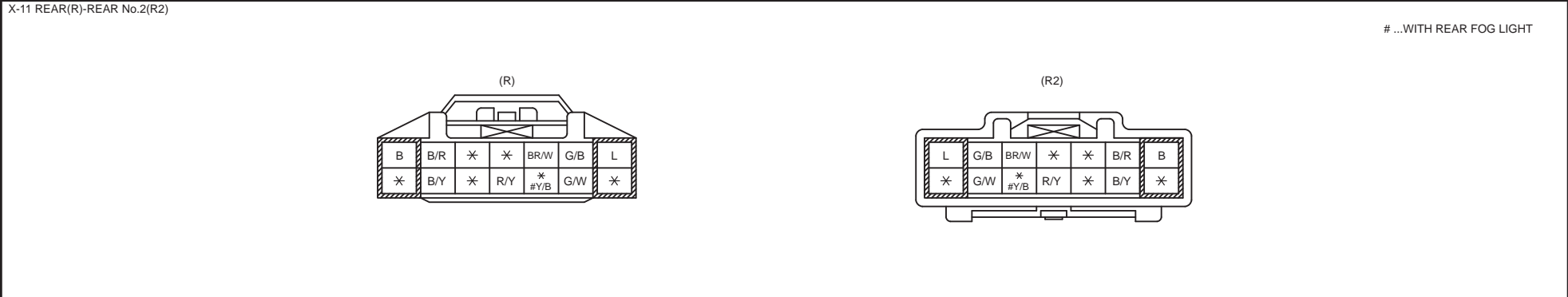
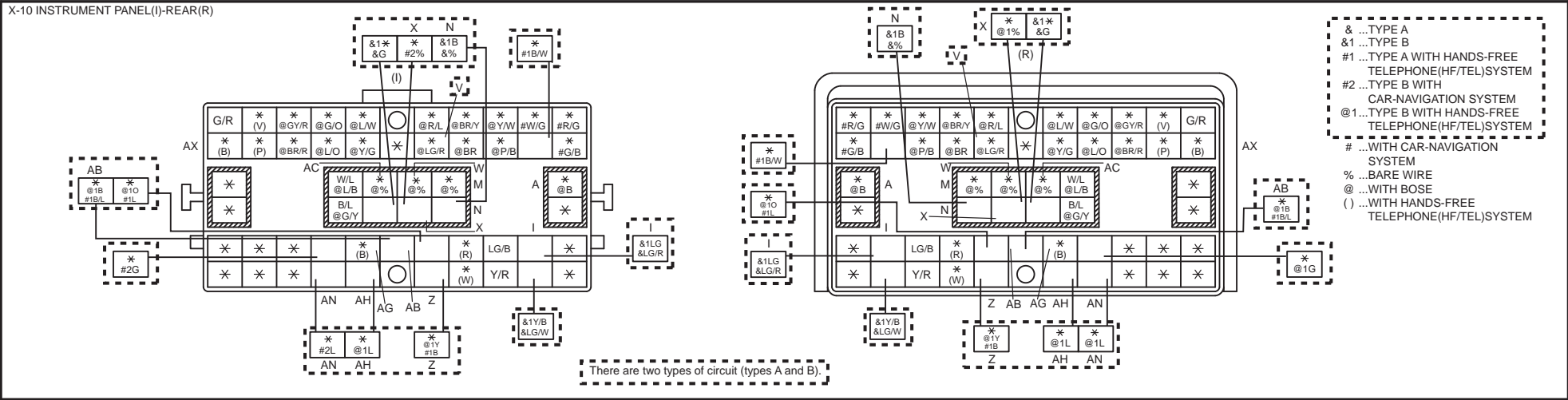


X-09 INSTRUMENT PANEL(I)-REAR(R)



% ...WITH REAR FOG LIGHT  
< > ...WITH HANDS-FREE TELEPHONE(HF/TEL)  
SYSTEM  
「 」 ...WITH BOSE  
( ) ...WITH AUTO LIGHT CONTROL SYSTEM  
#1 ...AT

COMMON CONNECTOR LIST

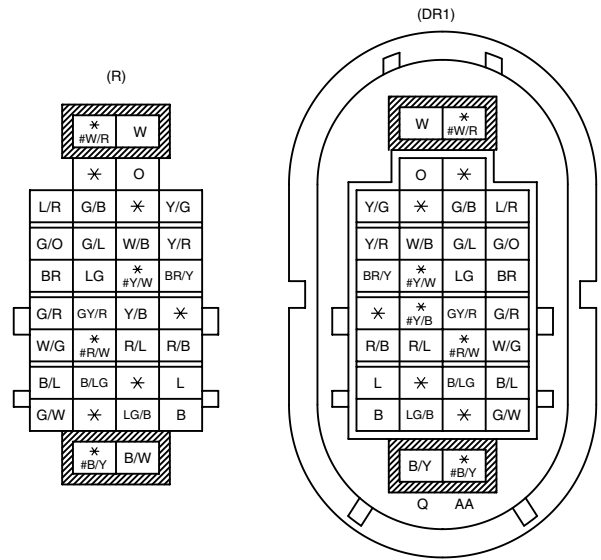


COMMON CONNECTOR LIST

X-5

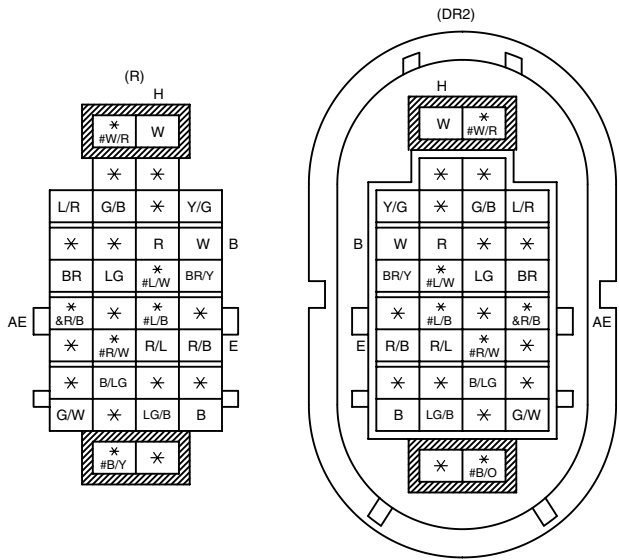
X-14 REAR(R)-DOOR No.1(DR1)

# ...WITH BOSE

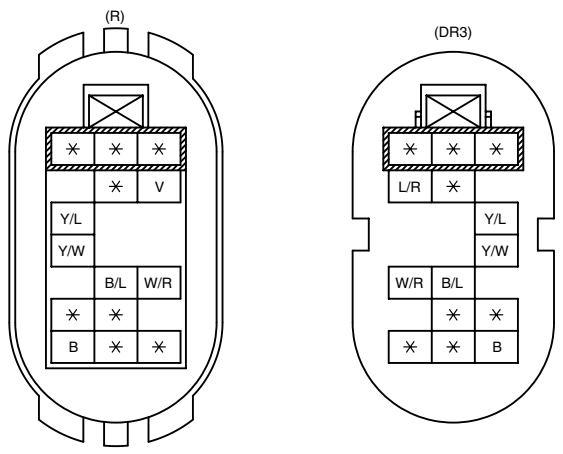


X-15 REAR(R)-DOOR No.2(DR2)

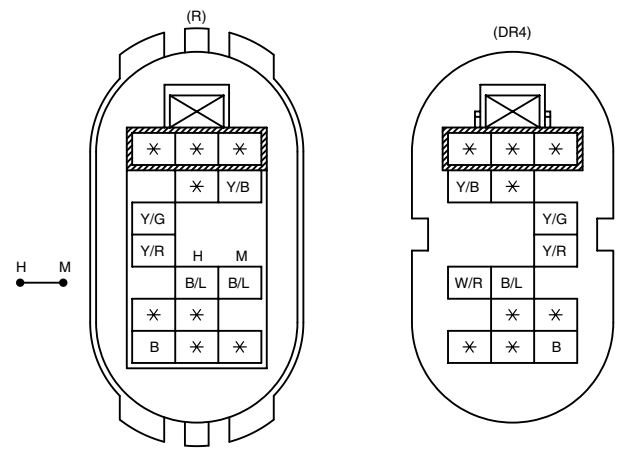
& ...WITH THEFT-DETERRENT SYSTEM  
# ...WITH BOSE



X-16 REAR(R)-DOOR No.3(DR3)



X-17 REAR(R)-DOOR No.4(DR4)



COMMON CONNECTOR LIST

X-19 FRONT(F)-ENGINE(E)

(F)

B/Y	R/Y
L/Y	GY/L

FRONT

(E)

R/Y	B/Y
GY/L	L/Y

FRONT

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

X-20 ENGINE(E)-ENGINE No.2(E2)

(E)

B	* @L/R	W/R
W/G	R	Y

(E2)

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

X-23 JOINT CONNECTOR(I)

# ...TYPE A WITH HANDS-FREE TELEPHONE(HF/TEL)SYSTEM

G	E	C	A
B	*	B	
*	B	B	
H	F	D	B

A

*
#B
*
#B/W
B

G	E	C	A
H	F	D	B

There are two types of circuit (types A and B).

X-28 FRONT(F)-ENGINE(E)

(F)

*	LG	BR/Y	GY/W	W/R	*
P	X	Y/B	BR		LG/R
Y/G	L/W	G	Y/R	R	W/L
G/O	W/B	G	B	O	*
GY/R		L	W	X	*
*	W/G	B	B	G/B	*

R X

(E)

*	W/R	GY/W	BR/Y	LG	*
LG/R		BR	Y/B	X	P
W/L	R	Y/R	G	L/W	Y/G
*	O	B	G	W/B	G/O
*	X	W	L		GY/R
*	G/B	B	B	W/G	*

X R

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