

## **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 MX-5

## Wiring Diagram

### FOREWORD

This wiring diagram incorporates the wiring schematics of the Mazda MX-5 and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

For proper repair and maintenance, a thorough familiarization with this manual is important, and it should always be kept in a handy place for quick and easy reference.

All the contents of this manual, including drawings and specifications, are the latest available at the time of printing.

As modifications affecting repair or maintenance occur, relevant information supplementary to this volume will be made available at Mazda dealers. This manual should be kept up-to-date.

Mazda Motor Corporation reserves the right to alter the specifications and contents of this manual without obligation or advance notice.

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

### APPLICATION:

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

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5686-1A-06F

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

### U.K. specs.

JMZ NC18820# 100001-  
JMZ NC18820# 117303-  
JMZ NC18F20# 100001-  
JMZ NC18F20# 117303-  
JMZ NC18F60# 100001-  
JMZ NC18F60# 117303-

### Australian specs.

JM0 NC30F100 100001-  
JM0 NC30F100 101787-

# SYSTEM INDEX

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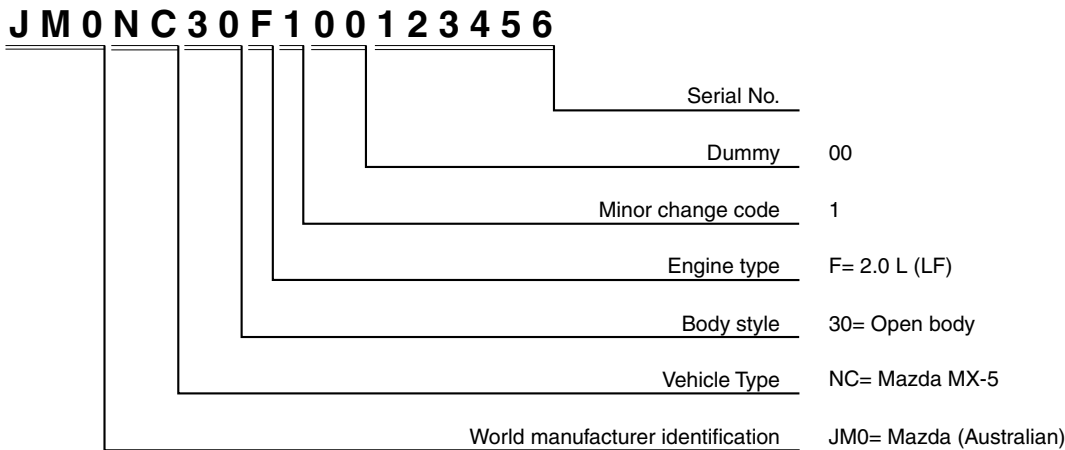
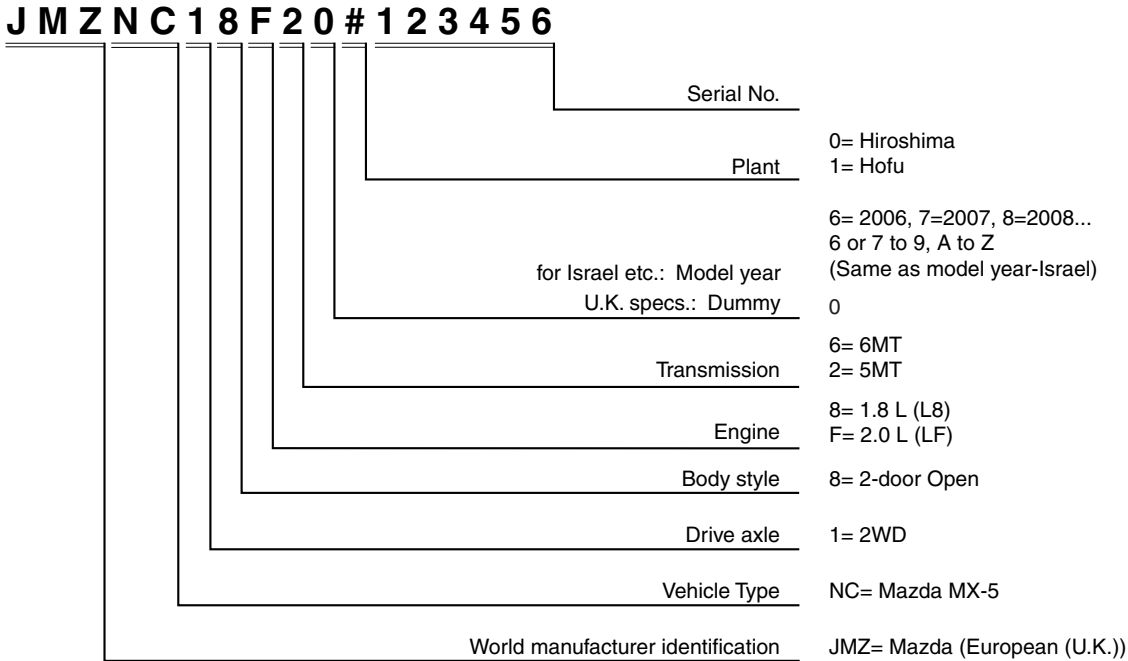
Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.



00R

Reading Wiring Diagrams

VEHICLE IDENTIFICATION NUMBER (VIN) CODE



**VEHICLE IDENTIFICATION NUMBERS (VIN)**

**U.K. specs.**

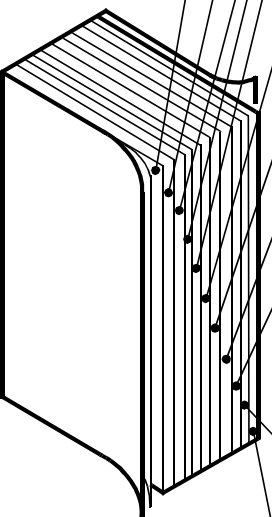
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JMZ NC18820# ;117303-;  
JMZ NC18F20# 100001-  
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JMZ NC18F60# 100001-  
JMZ NC18F60# ;117303-;

**Australian specs.**

JM0 NC30F100 100001-  
JM0 NC30F100 ;101787-;

## CONTENTS OF WIRING DIAGRAMS

- This manual comprises the sections shown below.

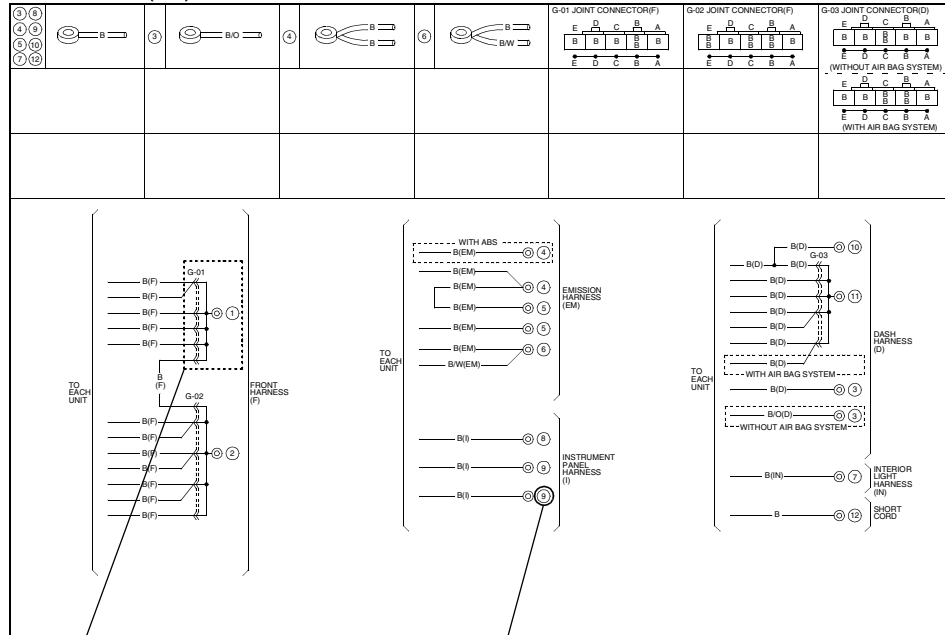
	<b>GENERAL INFORMATION</b>	<b>R</b>	Reading wiring diagrams	A how-to on using and reading wiring diagrams, using test equipment, checking harness and connectors, and finding trouble spots
		<b>P</b>	Electrical system general procedures	
		<b>E</b>	Electrical wiring schematic	Shows main fuses and other fuses for each system
		<b>00</b>	<b>F</b> Fuse box complete wiring system	Shows internal circuits and connectors
		<b>J</b>	Joint box/Junction box complete wiring system	
		<b>C</b>	Common connector list	
		<b>G</b>	Ground point	
		<b>D</b>	Data link connector	Ground routes from and to the battery
<b>ENGINE</b>	<b>01</b>	<b>12</b>	Cooling system	Shows circuit and connector diagrams and component and connector location diagrams
		<b>14</b>	Fuel system	
		<b>17</b>	Charging system	
		<b>18</b>	Ignition system	
		<b>19</b>	Starting system	
<b>SUSPENSION</b>	<b>02</b>	<b>12</b>	Wheel and tires	
		<b>18</b>	4-Wheel drive	
<b>DRIVELINE/AXLE</b>	<b>03</b>	<b>13</b>	Antilock brake system	
<b>BRAKES</b>	<b>04</b>	<b>14</b>	Traction control system	
		<b>15</b>	Dynamic stability control	
<b>TRANSMISSION/TRANSAXLE</b>	<b>05</b>	<b>13</b>	Automatic transmission	
		<b>14</b>	Automatic transmission shift mechanism	
		<b>17</b>	Automatic transaxle	
<b>STEERING</b>	<b>06</b>	<b>18</b>	Automatic transaxle shift mechanism	
		<b>13</b>	Electric power steering (EPS)	
<b>HEATER, VENTILATION &amp; AIR CONDITIONING (HVAC)</b>	<b>07</b>	<b>14</b>	Power steering	
		<b>40</b>	Control system	
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		<b>22</b>	Instrumentation/Driver info.	
		<b>40</b>	Control system	
	<b>AI</b>		Alphabetical Index	Gives page number of circuit diagram for each component

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

## GROUND POINTS

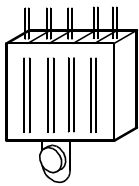
- This shows ground points of the harness.

### GROUND POINTS (4SD)



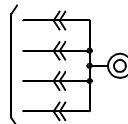
### Ground indication

#### On vehicle



#### Indication

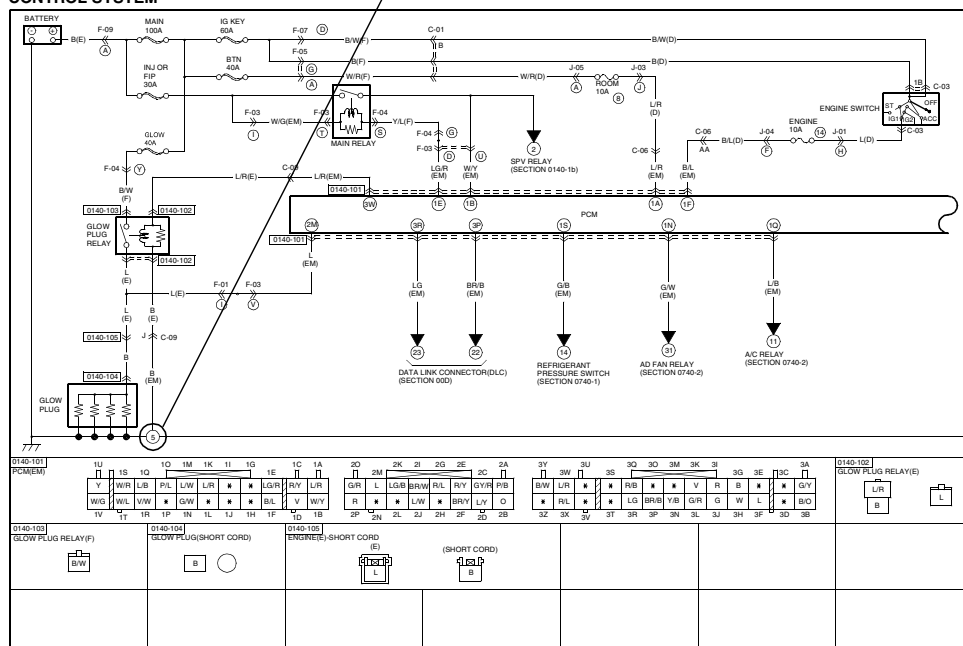
To circuit



### On circuit diagrams and ground points

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

### CONTROL SYSTEM



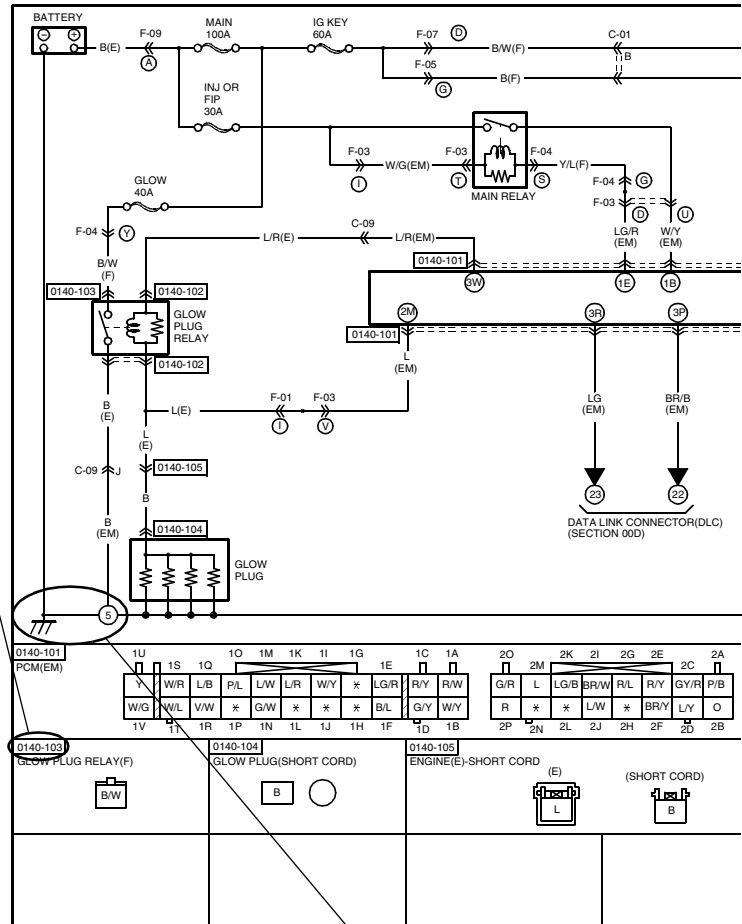
## SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM

- 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

## CONTROL SYSTEM



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

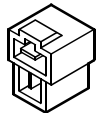


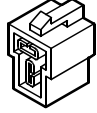


Current flows in the direction of the arrow.

## Indicates shielded wire.\*

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

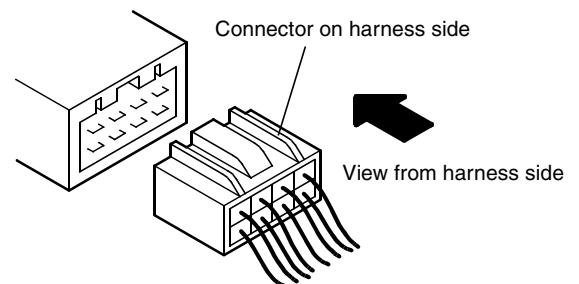
## Connector symbols

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

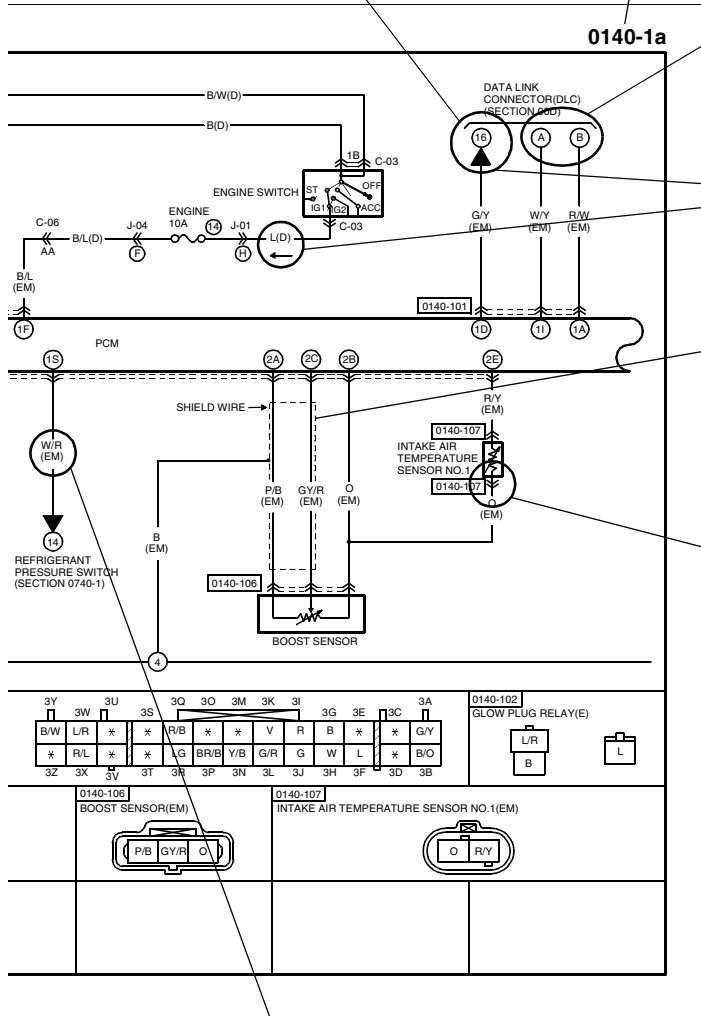
		Circuit diagram symbol	Connector diagram symbol
Male			
Female			

- 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)

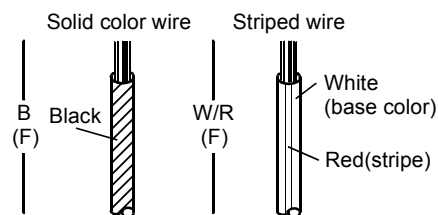
- Two-color wires are indicated by a two-letter symbol. The first indicates the base color of the wire, the second the color of the stripe.

For example:

W/R is a white wire with a red strip

BR/Y is a brown wire with a yellow strip

Symbol  
(Example)



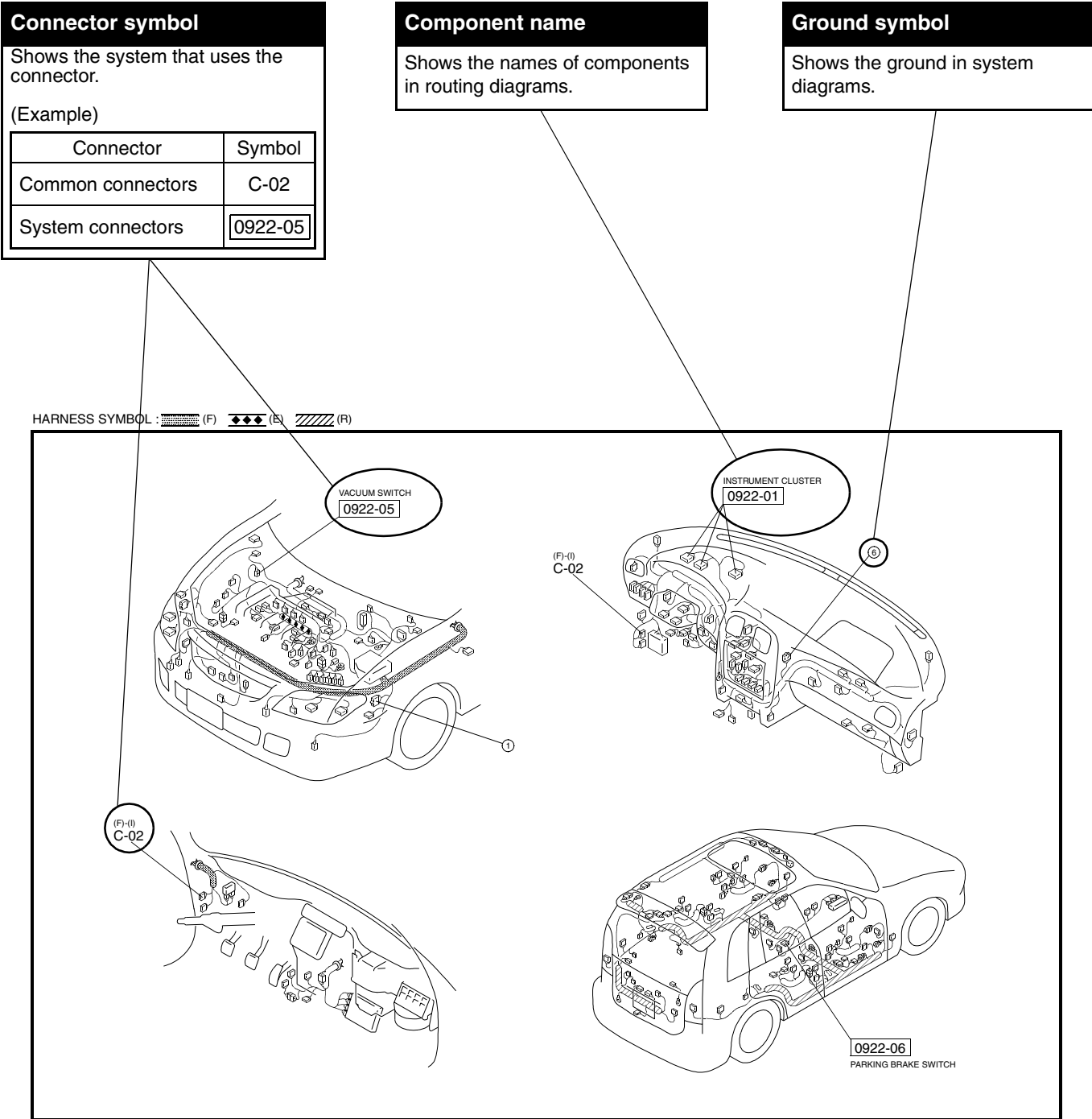
- The harness symbol is in ( ) following the harness symbols (refer to P-9.).

00R





Reading Wiring Diagrams

ROUTING DIAGRAM

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



## HARNESS SYMBOLS

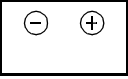

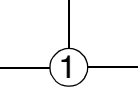

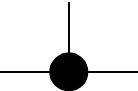

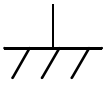




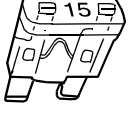
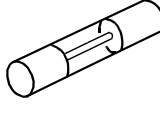
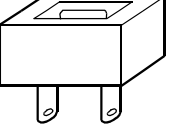
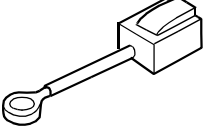

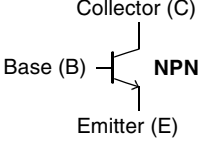
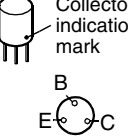

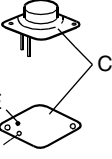
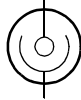
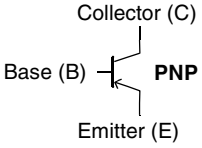

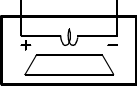
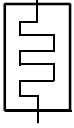
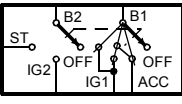
DESCRIPTION OF HARNESS	SYMBOL		DESCRIPTION OF HARNESS	SYMBOL	
FRONT HARNESS	(F)		DOOR No. 1 HARNESS	(DR1)	—
FRONT No. 2 HARNESS	(F2)		DOOR No. 2 HARNESS	(DR2)	
ENGINE HARNESS	(E)		DOOR No. 3 HARNESS	(DR3)	
DASH HARNESS	(D)		DOOR No. 4 HARNESS	(DR4)	
REAR HARNESS	(R)		FLOOR HARNESS	(FR)	—
REAR No. 2 HARNESS	(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)				

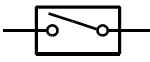


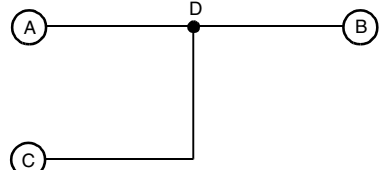

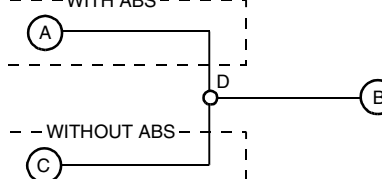
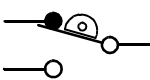
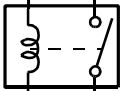
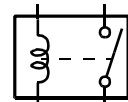
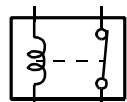
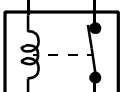
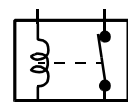
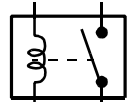
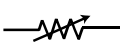
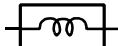


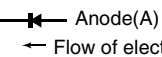








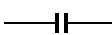

## WIRING COLOR CODE

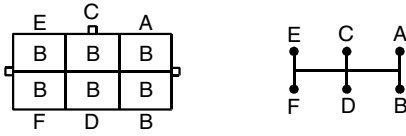
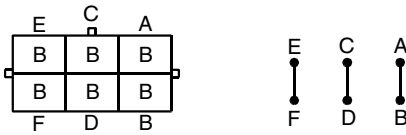
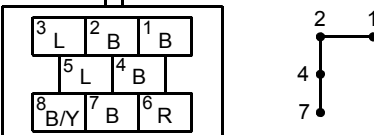
COLOR	CODE	COLOR	CODE
BLACK	B	ORANGE	O
BLUE	L	PINK	P
BROWN	BR	RED	R
DARK BLUE	DL	SKY BLUE	SB
DARK GREEN	DG	TAN	T
GRAY	GY	VIOLET	V
GREEN	G	WHITE	W
LIGHT BLUE	LB	YELLOW	Y
LIGHT GREEN	LG		



## 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> Remarks <ul style="list-style-type: none"> <li>Current will not flow through a circuit if ground is faulty.</li> </ul>		
Ground (2) 		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 (3) 		Motor 	<ul style="list-style-type: none"> <li>Converts electrical energy into mechanical energy.</li> </ul>
Fuse 	<ul style="list-style-type: none"> <li>Melts when current flow exceeds that specified for circuit, interrupts current flow.</li> </ul> Precautions <ul style="list-style-type: none"> <li>Do not replace with fuses exceeding specified capacity.</li> </ul>	Pump 	<ul style="list-style-type: none"> <li>Pulls in and discharges gases and liquids.</li> </ul>
Fuse (For high current fuse)/ Fusible link 	<div style="display: flex; justify-content: space-around;"> <div> <p>&lt;Blade type&gt;</p>  </div> <div> <p>&lt;Tube type&gt;</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div> <p>&lt;Cartridge type&gt;</p>  </div> <div> <p>&lt;Fusible link&gt;</p>  </div> </div>	Cigarette lighter 	<ul style="list-style-type: none"> <li>Electrical coil that generates heat.</li> </ul>
Transistor (1) 	<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> <p>Collector indication mark</p>  </div> <div> <p>ECB</p>  </div> <div>  </div> </div>	Accessory socket 	<ul style="list-style-type: none"> <li>Interior power supply.</li> </ul>
Transistor (2) 	<ul style="list-style-type: none"> <li>Reading code.</li> </ul> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>2 S C 828 A</p> <p>Semiconductor Number of terminals</p> </div> <div> <p>Revision mark</p> <p>A: High-frequency PNP B: Low-frequency PNP C: High-frequency NPN D: Low-frequency NPN</p> </div> </div>	Horn 	<ul style="list-style-type: none"> <li>Generates sound when current flows.</li> </ul>
		Speaker 	
		Heater 	<ul style="list-style-type: none"> <li>Generates heat when current flows.</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	<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.  <b>Selection</b>  Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.	 For vehicles with ABS, use the A-B circuit.
Switch (2)  Normally closed			 For vehicles without ABS, use the C-B circuit.
Autostop switch 			
Relay (1)  Normally open	<ul style="list-style-type: none"><li>Current flowing through coil produces electromagnetic force causing contact to open or close.</li></ul> <div><div>No current to coil  No flow</div><div>Current to coil  Flow</div></div>		
Relay (2)  Normally closed	<ul style="list-style-type: none"><li>Current flowing through coil produces electromagnetic force causing contact to close.</li></ul> <div><div>No current to coil  Flow</div><div>Current to coil  No flow</div></div>		
Sensor (1) 	<ul style="list-style-type: none"><li>Detects characteristics such as intake manifold vacuum and airflow amount according to resistance variation.</li></ul>	Solenoid 	<ul style="list-style-type: none"><li>Current flowing through coil generates electromagnetic force to operate plungers.</li></ul>
Sensor (2) 	<ul style="list-style-type: none"><li>Detects resistance variation according to operation of other parts.</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>Cathode(K)  Anode(A) ← Flow of electric current K  A K  A K  A</div>
Sensor (3) 	<ul style="list-style-type: none"><li>A resistor whose resistance variation according to temperature variation.</li><li>When temperature increases, resistance decreases.</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>Cathode(K)  Anode(A) Cathode(K)  Anode(A) Flow of current</div>
Sensor (5) 	<ul style="list-style-type: none"><li>Generates potential difference when tension or pressure is applied.</li></ul>		
Capacitor 	<ul style="list-style-type: none"><li>Component that temporarily stores electrical charge.</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>

### 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.

### ABBREVIATIONS USED IN THIS MANUAL

3GR	THIRD GEAR
4GR	FOURTH GEAR
A	AMPERE
A/C	AIR CONDITIONING
A/F	AIR FUEL
AAS	AUTO ADJUSTING SUSPENSION
ABS	ANTILOCK BRAKE 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
CAN	CONTROLLER AREA NETWORK
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
EHPAS	ELECTRO HYDRAULIC POWER ASSIST STEERING
EI	ELECTRONIC IGNITION

ELEC	ELECTRIC
ELR	EMERGENCY LOCKING RETRACTOR
ET	ELECTRONIC THROTTLE
EPS	ELECTRIC POWER STEERING
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
HS	HIGH SPEED
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
MS	MIDDLE SPEED
MT	MANUAL TRANSMISSION
MTX	MANUAL TRANSAXLE
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O <sub>2</sub> S	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
PJB	PASSENGER JUNCTION BOX
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 MULTIPOINT FUEL INJECTION
SOL	SOLENOID
SPV	SPILL VALVE
ST	START
SW	SWITCH
TC	TURBOCHARGER
TCC	TORQUE CONVERTER CLUTCH
TCM	TRANSMISSION(TRANSAXLE) CONTROL MODULE
TCS	TRACTION CONTROL SYSTEM
TEMP	TEMPERATURE
TFT	TRANSAXLE FLUID TEMPERATURE
TICS	TRIPLE INDUCTION CONTROL SYSTEM
TNS	TAIL NUMBER SIDE LIGHTS
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

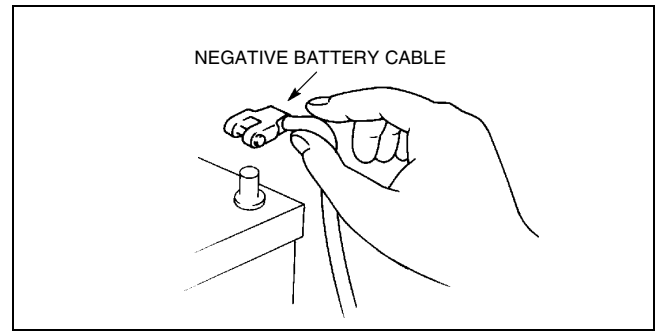
# 00P Electrical System General Procedures

## ELECTRICAL PARTS

B6U000000006W03

### Battery Cable

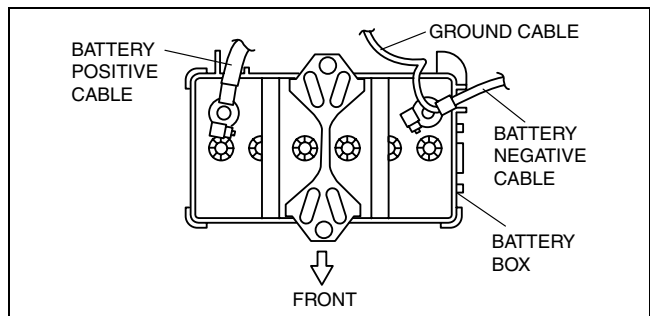
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

### Negative Battery Cable Installation Note

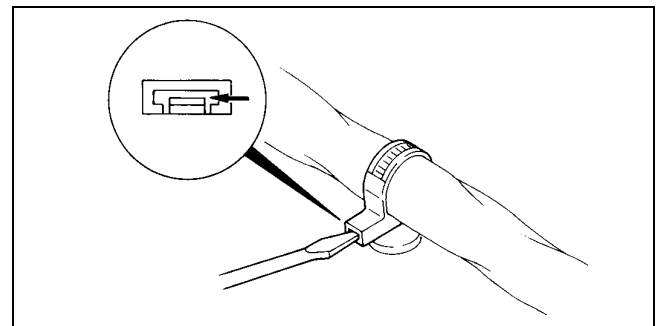
- When connecting the negative battery cable to the battery, connect the negative battery cable and the ground cable as shown in the figure.



WGIWXX00039E

### Wiring Harness

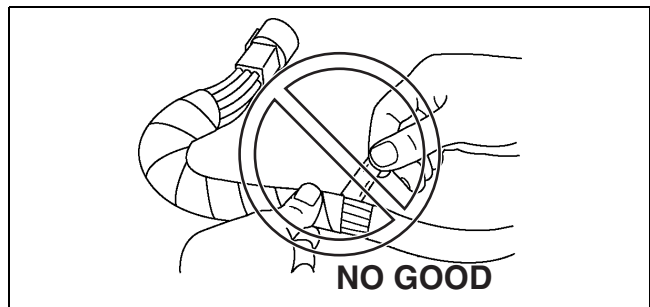
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



WGIWXX00039E

### 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.



WGIWXX00040E

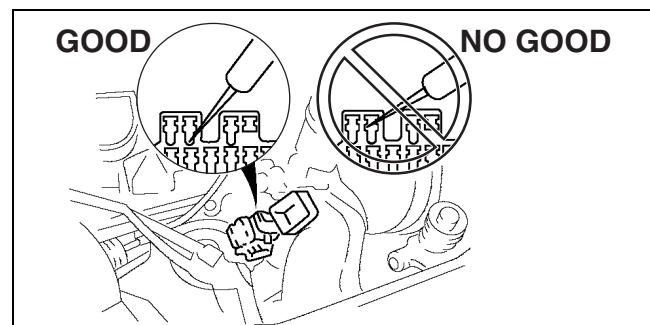
## CONNECTORS

### Data Link Connector

- Insert the probe into the terminal when connecting a jumper wire to the data link connector.

### Caution

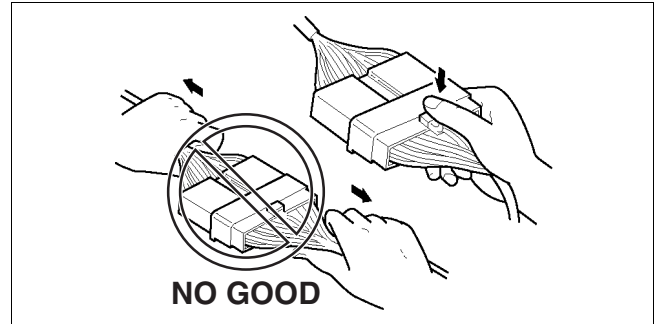
- Inserting a jumper wire probe into the data link connector terminal may damage the terminal.



X3U000WAY

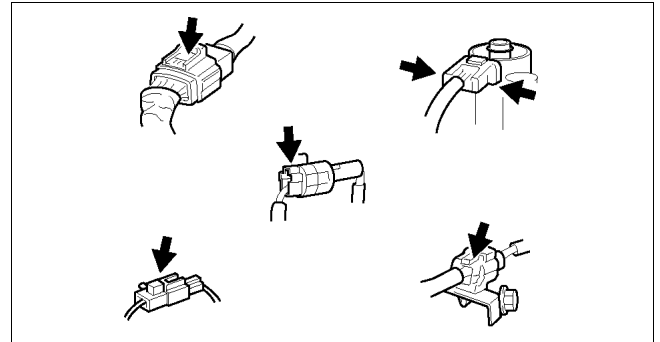
## Disconnecting Connectors

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



WGIWXX0041E

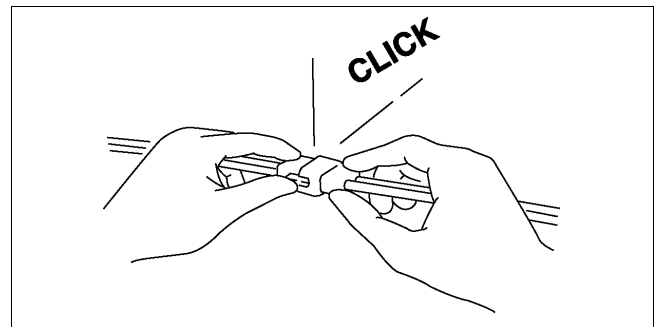
- Connectors can be disconnected by pressing or pulling the lock lever as shown.



WGIWXX0042E

## Locking Connector

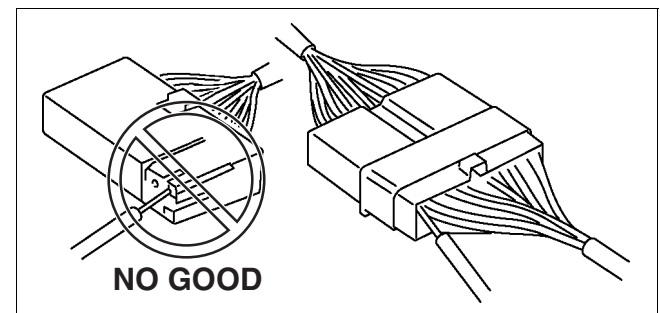
- When locking connectors, listen for a click indicating they are securely locked.



X3U000WB1

## Inspection

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

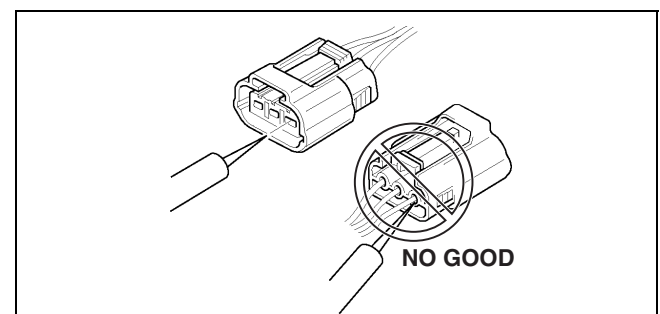


WGIWXX0044E

- 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.



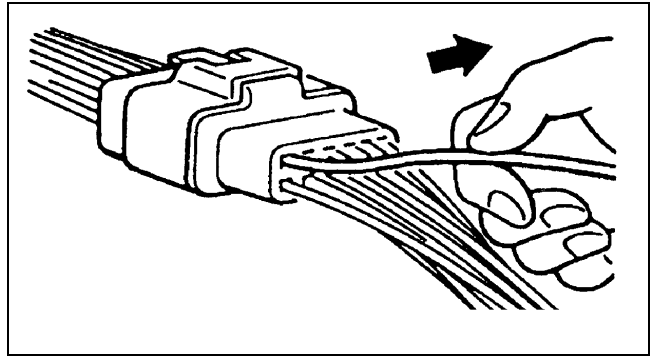
WGIWXX0045E

# 00P Electrical System General Procedures

## Terminals

### Inspection

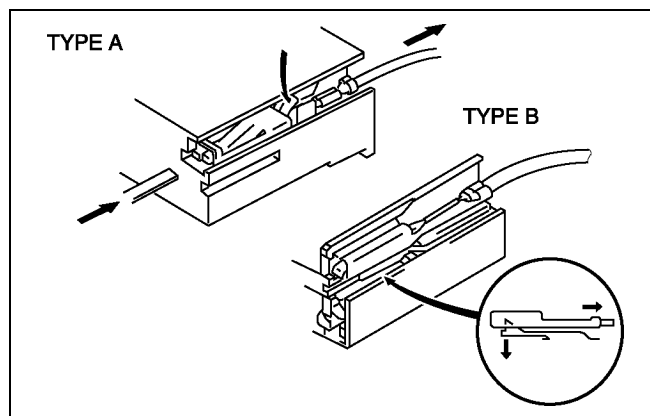
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

### Replacement

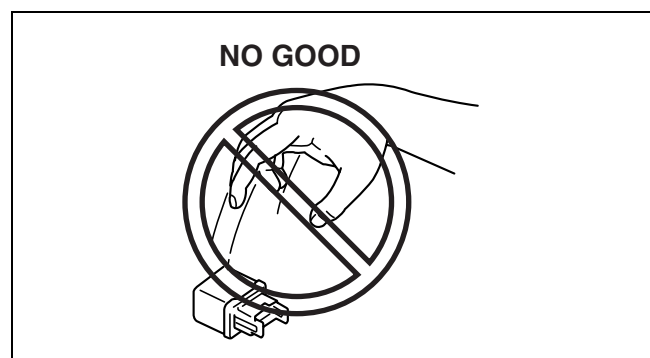
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

## Sensors, Switches, And Relays

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

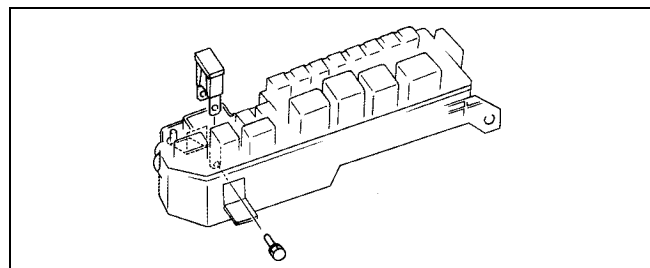


X3U000WB6

## Fuse

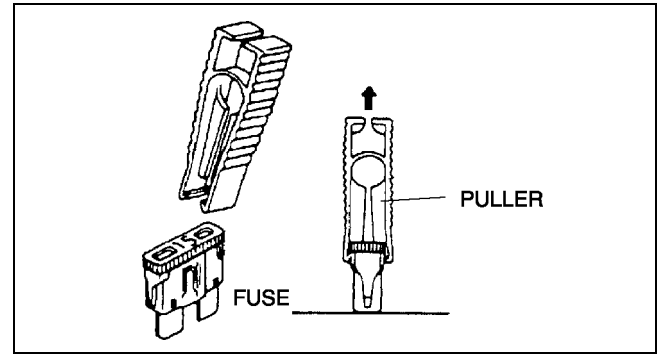
### Replacement

- 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

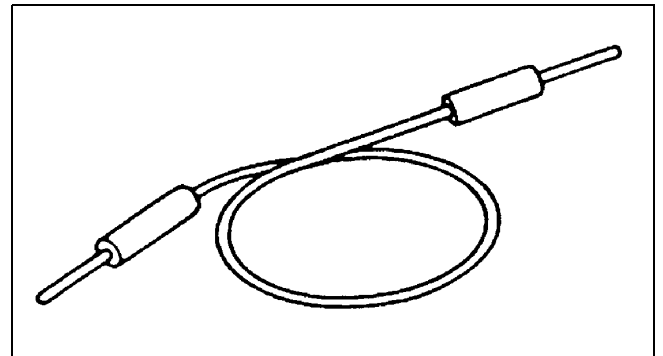
## ELECTRICAL TROUBLESHOOTING TOOLS

### 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

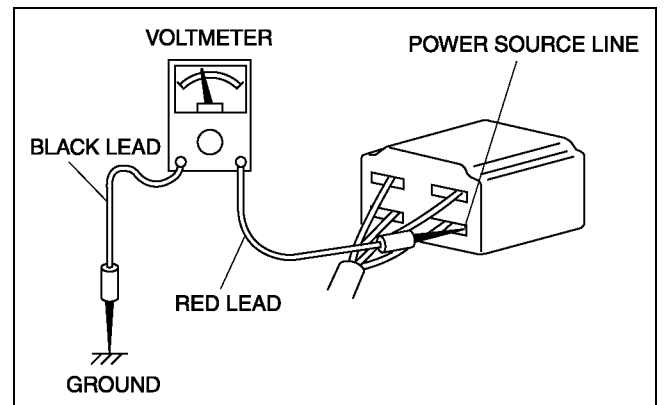
- Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.**



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.



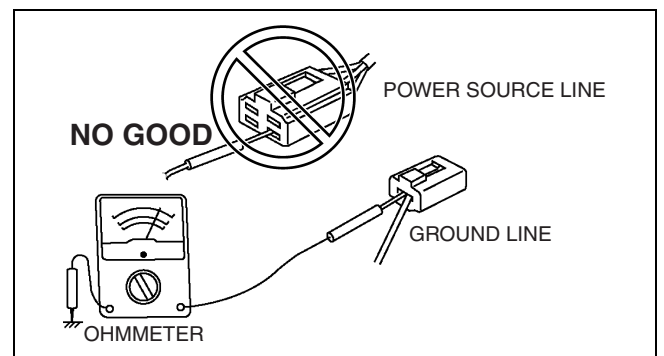
X3U000WBC

### 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.**

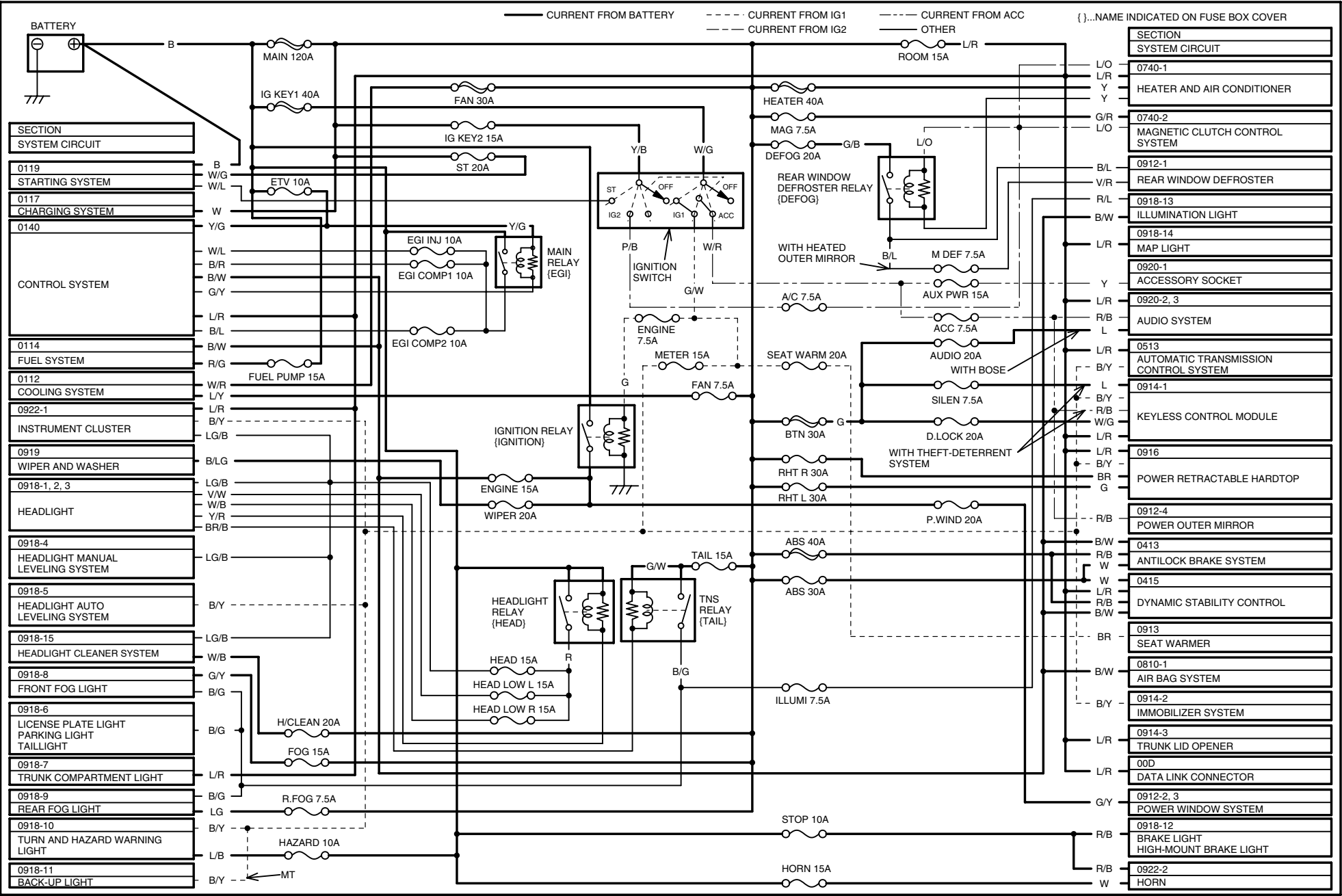


YMU000WAL



ELECTRICAL WIRING SCHEMATIC

00E

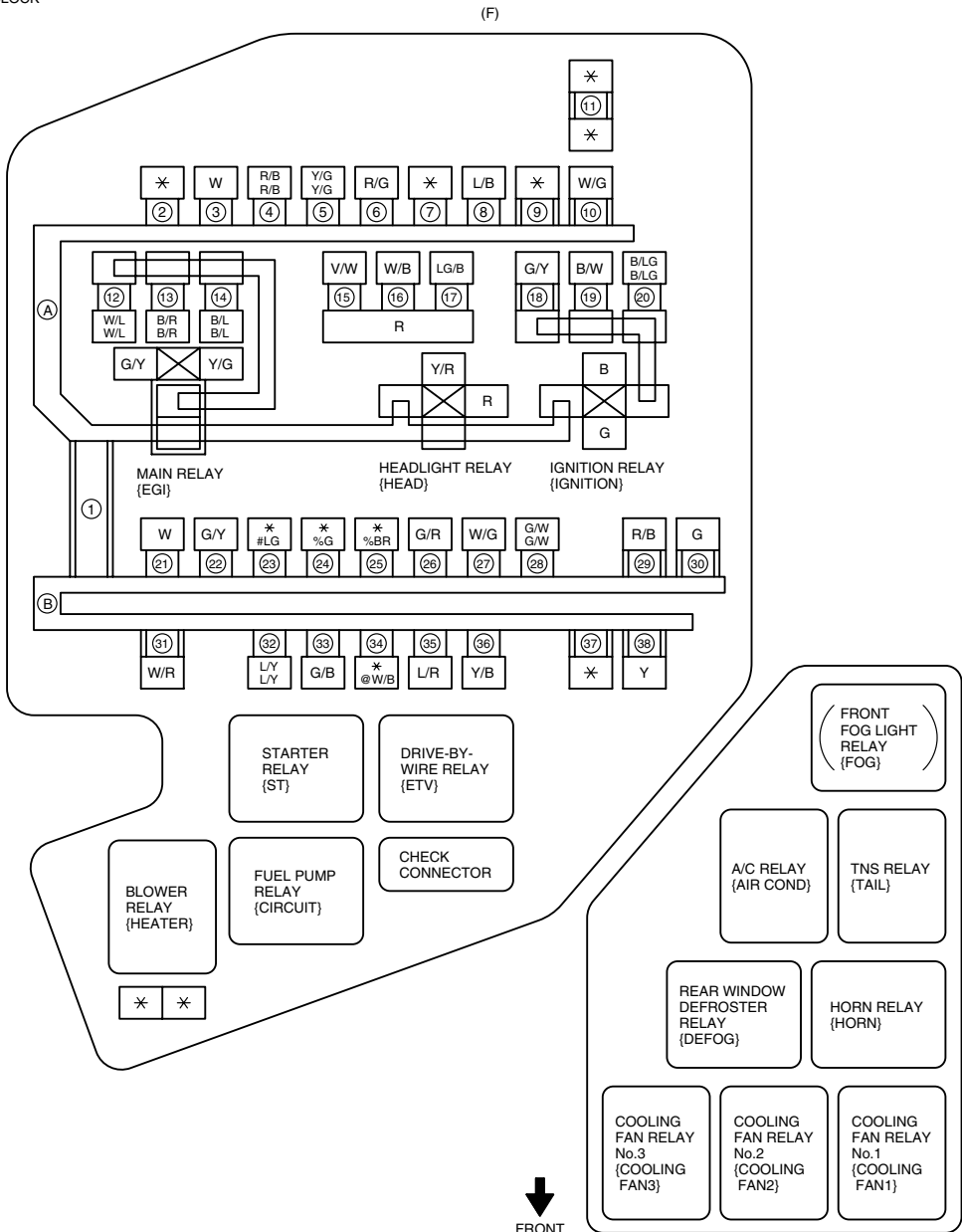
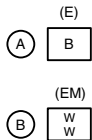


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FUSE BOX

00F-1

F-01 RELAY AND MAIN FUSE BLOCK



\* ...VACANT  
# ...WITH REAR FOG LIGHT  
@ ...WITH HEADLIGHT CLEANER SYSTEM  
% ... JMO NC30F100 101787-  
JMZ NC18820# 117303-  
JMZ NC18F20# 117303-  
JMZ NC18F60# 117303-

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
1	MAIN	120A	20	WIPER	20A
2	(DRL)	15A	21	(ABS)	30A
3	HORN	15A	22	(FOG)	15A
4	STOP	10A	23	(R.FOG)	7.5A
5	ETV	10A	24	(RHT L)	30A
6	FUEL PUMP	15A	25	(RHT R)	30A
7	*	*	26	MAG	7.5A
8	HAZARD	10A	27	ST	20A
9	(P.WIND2)	20A	28	TAIL	15A
10	IG KEY1	40A	29	(ABS)	40A
11	*	*	30	(BTN)	30A
12	EGI INJ	10A	31	FAN	30A
13	EGI COMP1	10A	32	FAN	7.5A
14	EGI COMP2	10A	33	DEFOG	20A
15	HEAD LOW L	15A	34	(H/CLEAN)	20A
16	HEAD LOW R	15A	35	ROOM	15A
17	HEAD	15A	36	IG KEY2	15A
18	(P.WIND)	20A	37	*	*
19	ENGINE	15A	38	HEATER	40A

{ } NAME INDICATED ON FUSE BOX COVER  
( ) IF EQUIPPED

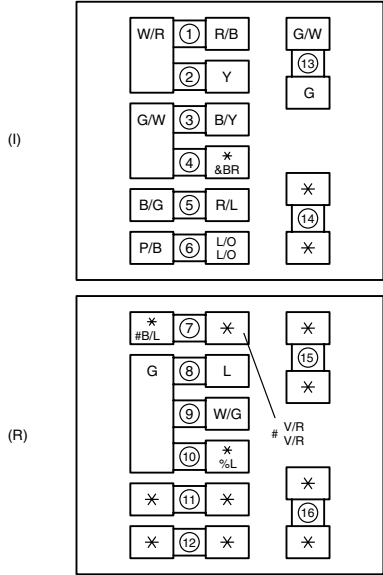


NOTE:SEEN FROM TERMINAL SIDE

FUSE BOX

F-02 FUSE BLOCK

✱...VACANT  
# ...WITH HEATED OUTER MIRROR  
% ...WITH THEFT-DETERRENT SYSTEM  
& ...WITH SEAT WARMER



NOTE:SEEN FROM TERMINAL SIDE

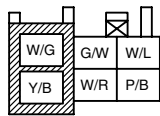
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
①	ACC	7.5A	⑨	(D.LOCK)	20A
②	AUX PWR	15A	⑩	SILEN	7.5A
③	METER	15A	⑪	✱	✱
④	(SEAT WARM)	20A	⑫	✱	✱
⑤	ILLUMI	7.5A	⑬	ENGINE	7.5A
⑥	A/C	7.5A	⑭	✱	✱
⑦	M DEF	7.5A	⑮	✱	✱
⑧	(AUDIO)	20A	⑯	✱	✱

( )IF EQUIPPED

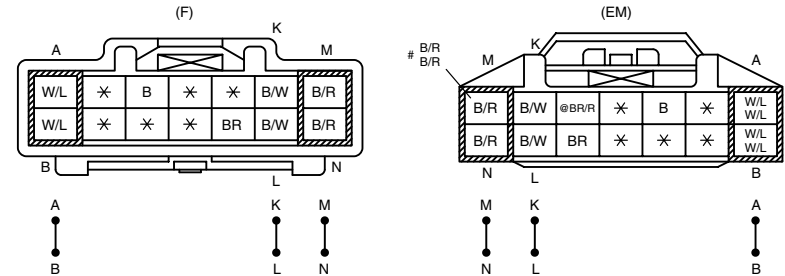
COMMON CONNECTOR LIST

00C-1

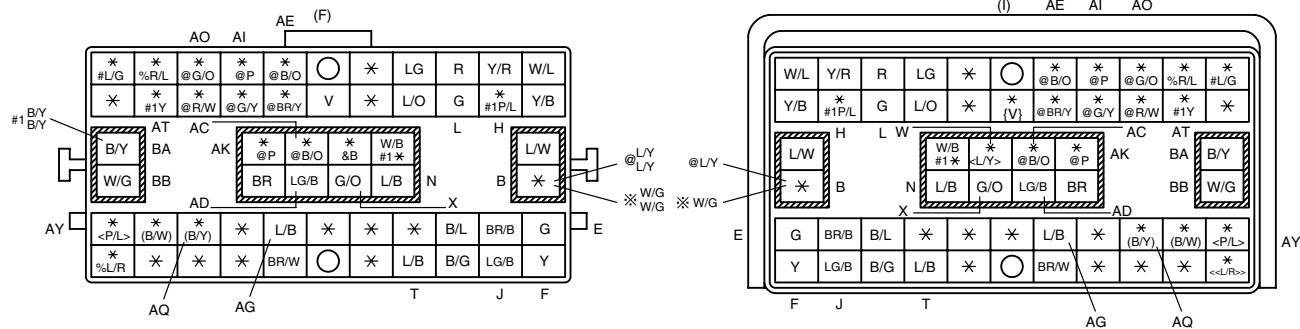
C-01 IGNITION SWITCH(I)



C-02 FRONT(F)-EMISSION(EM)

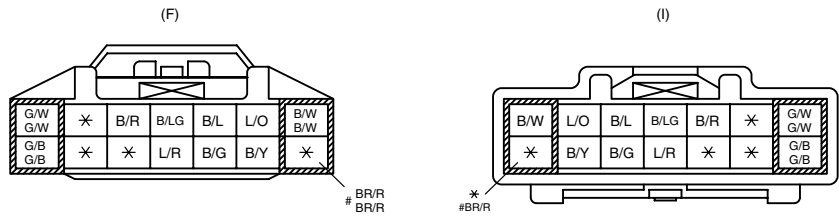


C-03 FRONT(F)-INSTRUMENT PANEL(I)



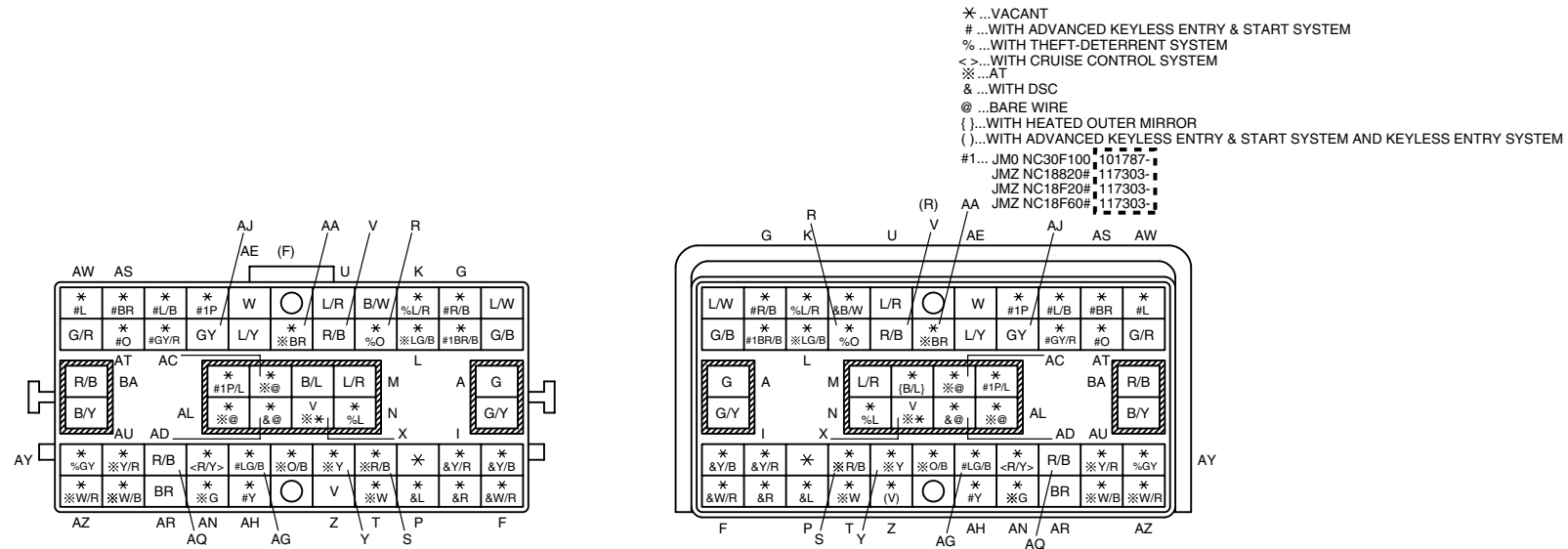
\*...VACANT  
#...WITH DSC  
%...WITH REAR FOG LIGHT  
@...WITH HEADLIGHT AUTO LEVELING SYSTEM  
&...MT WITH CRUISE CONTROL SYSTEM  
\*...WITH HEADLIGHT MANUAL LEVELING SYSTEM  
<>...WITH CRUISE CONTROL SYSTEM  
( )...WITH AUTO A/C  
<<>>...WITH REAR FOG LIGHT  
{ }...WITHOUT TRUNK LID OPENER CANCEL SWITCH  
#1...JMO NC30F100 #101787-  
JMZ NC18820 #117303-  
JMZ NC18F20 #117303-  
JMZ NC18F60 #117303-

C-04 FRONT(F)-INSTRUMENT PANEL(I)



COMMON CONNECTOR LIST

C-05 FRONT(F)-REAR(R)



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



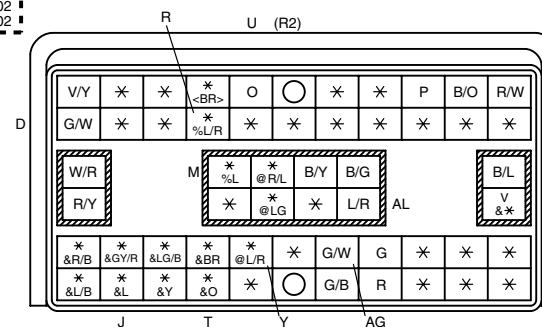
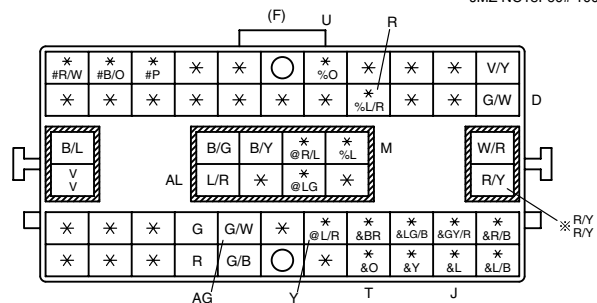
C-07 INSTRUMENT PANEL(I)-REAR(R)



## 24

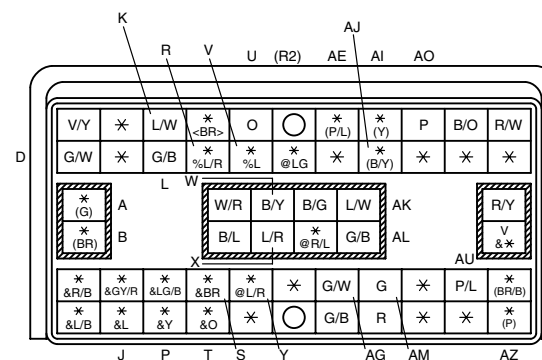
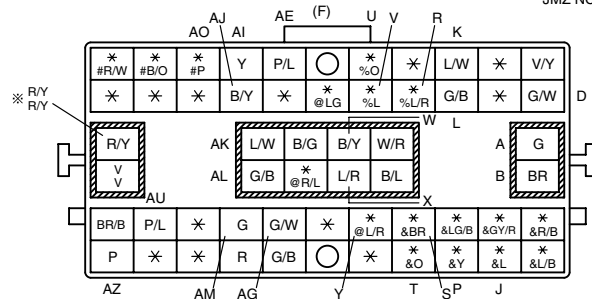
## Mazda MX-5 Wiring Diagram (5686-1\*-06F)

JM0 NC30F100 100001-	101786
JMZ NC18820# 100001-	117302
JMZ NC18F20# 100001-	117302
JMZ NC18F60# 100001-	117302



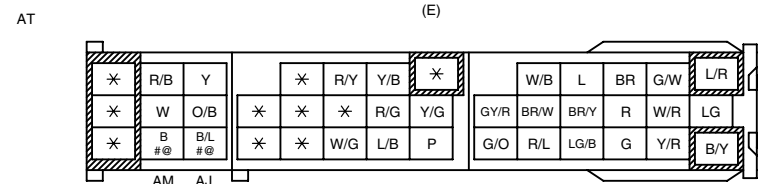
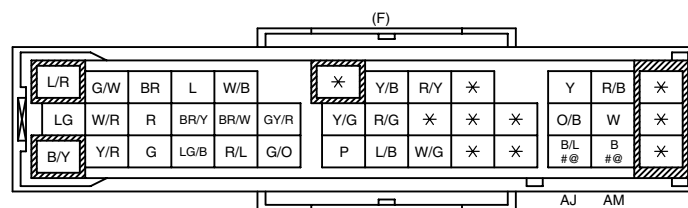
\* ...VACANT  
& ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
% ...WITH THEFT-DETERRENT SYSTEM  
@ ...WITH REAR FOG LIGHT  
※ ...AT  
# ...WITH HEADLIGHT AUTO LEVELING SYSTEM  
<>...NOT USED

JM0 NC30F100	101787-
JMZ NC18820#	117303-
JMZ NC18F20#	117303-
JMZ NC18F60#	117303-

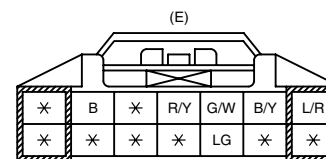
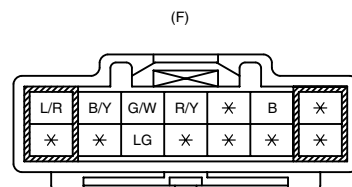


\* ...VACANT  
& ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
% ...WITH THEFT-DETERRENT SYSTEM  
@ ...WITH REAR FOG LIGHT  
※ ...AT  
# ...WITH HEADLIGHT AUTO LEVELING SYSTEM  
< > ...NOT USED  
(...) ...WITH POWER RETRACTABLE HARDTOP

Revised 9/2008 (Ref. No. L090/08)



```
* ...VACANT
@ ...BARE WIRE
# ...JM0 NC30F100# 101787-
  JMZ NC18820# 117303-
  JMZ NC18F20# 117303-
  JMZ NC18F60# 117303-
```



\* ...VACANT

COMMON CONNECTOR LIST

C-11 INSTRUMENT PANEL(I)-REAR(R)

(I)

AG AN

(R)

AN AG

※...VACANT  
# ...WITH TPMS  
@ ...WITH TRUNK LID OPENER CANCEL SWITCH  
% ...WITH BOSE  
( )...WITH SEAT WARMER, AT  
※...NOT USED  
「 」...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
& ...WITH SEAT WARMER  
< >...AT  
[ ]...WITH THEFT-DETERRENT SYSTEM

C-12 INSTRUMENT PANEL(I)-REAR(R)

(I)

(R)

※...VACANT  
@ ...NOT USED

C-13 INSTRUMENT PANEL(I)-REAR(R)

(I)

(R)

※...VACANT  
@ ...NOT USED

C-14 INSTRUMENT PANEL(I)-SHORT CORD

(I)

J

(SHORT CORD)

J

※...VACANT  
@ ...BARE WIRE  
# ... JMO NC30F100# 101787-  
JMZ NC18820# 117303-  
JMZ NC18F20# 117303-  
JMZ NC18F60# 117303-



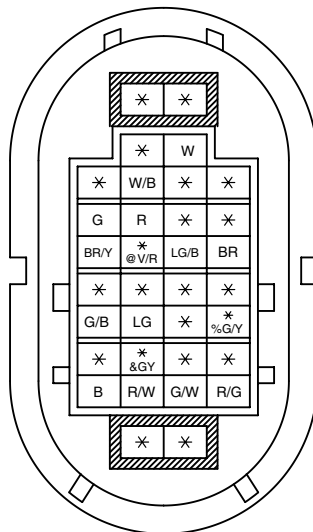
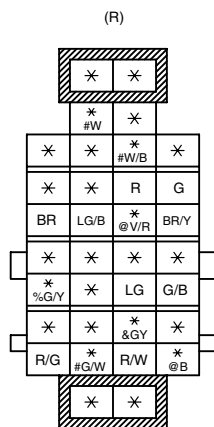
# COMMON CONNECTOR LIST

00C-5

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

\*...VACANT  
# ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
@ ...WITH HEATED OUTER MIRROR  
% ...WITH THEFT-DETERRENT SYSTEM  
& ...WITH DOUBLE LOCK

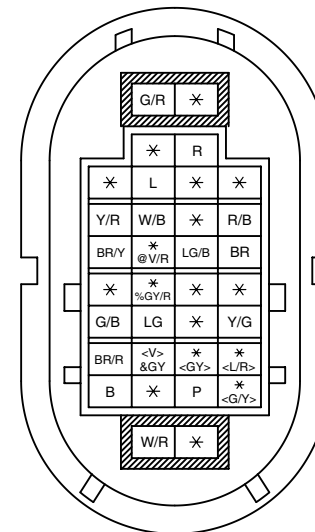
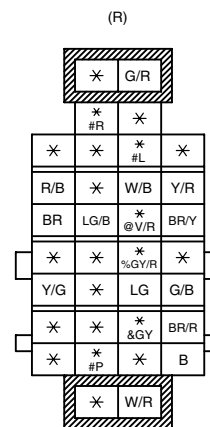
(DR2)



C-16 REAR(R)-DOOR No.1(DR1)

\*...VACANT  
# ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
@ ...WITH HEATED OUTER MIRROR  
% ...WITH THEFT-DETERRENT SYSTEM  
& ...WITH DOUBLE LOCK  
<>...NOT USED

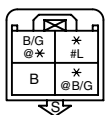
(DR1)



C-17 REAR No.2(R2)-REAR No.3(R3)

\*...VACANT  
# ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
@ ...WITH POWER RETRACTABLE HARDTOP

(R2)

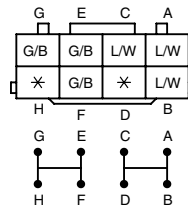


(R3)



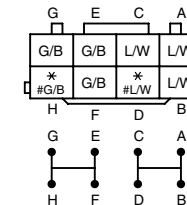
C-18 JOINT CONNECTOR(F)

\*...VACANT



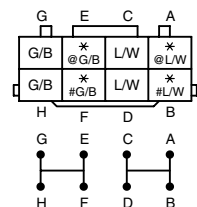
C-19 JOINT CONNECTOR(I)

\*...VACANT  
# ...WITH DSC



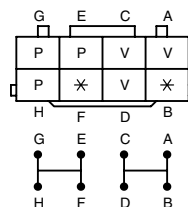
C-20 JOINT CONNECTOR(R)

\*...VACANT  
# ...AT  
@ ...WITH THEFT-DETERRENT SYSTEM



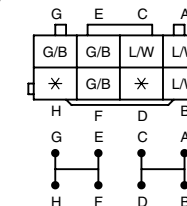
C-21 JOINT CONNECTOR(SHORT CORD)

\*...VACANT



C-22 JOINT CONNECTOR(R2)

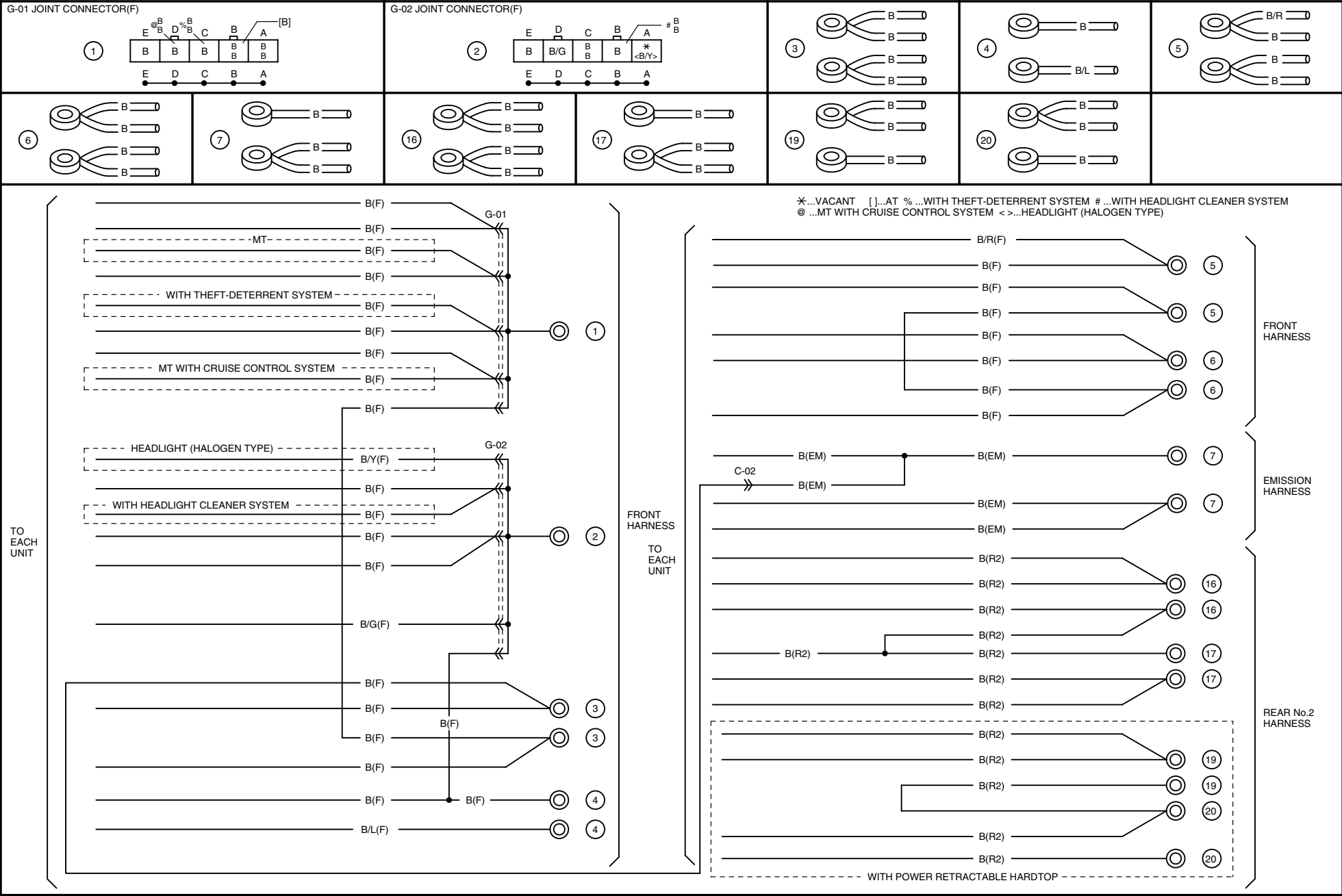
\*...VACANT






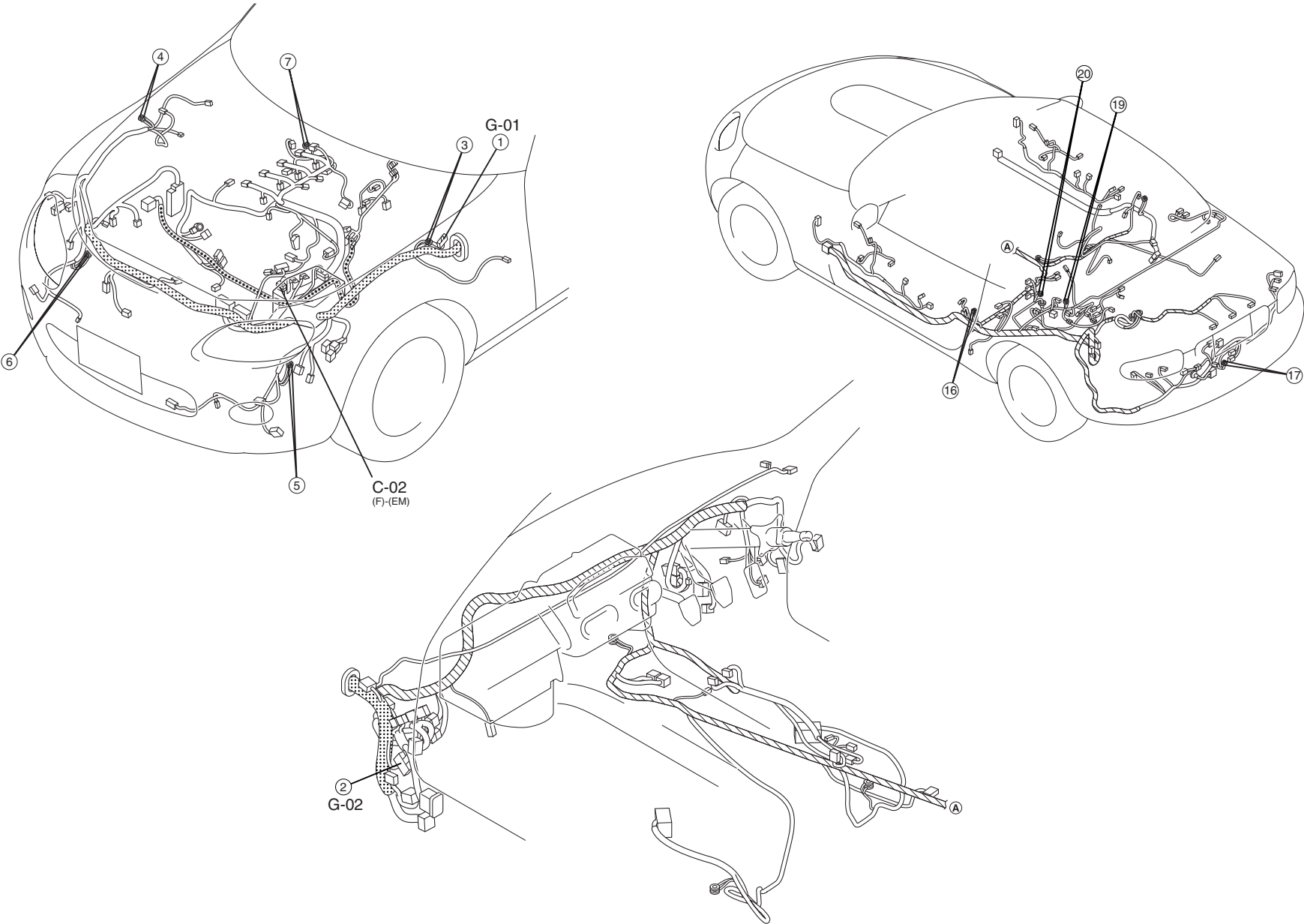
**THIS PAGE INTENTIONALLY  
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GROUND POINT

00G-a

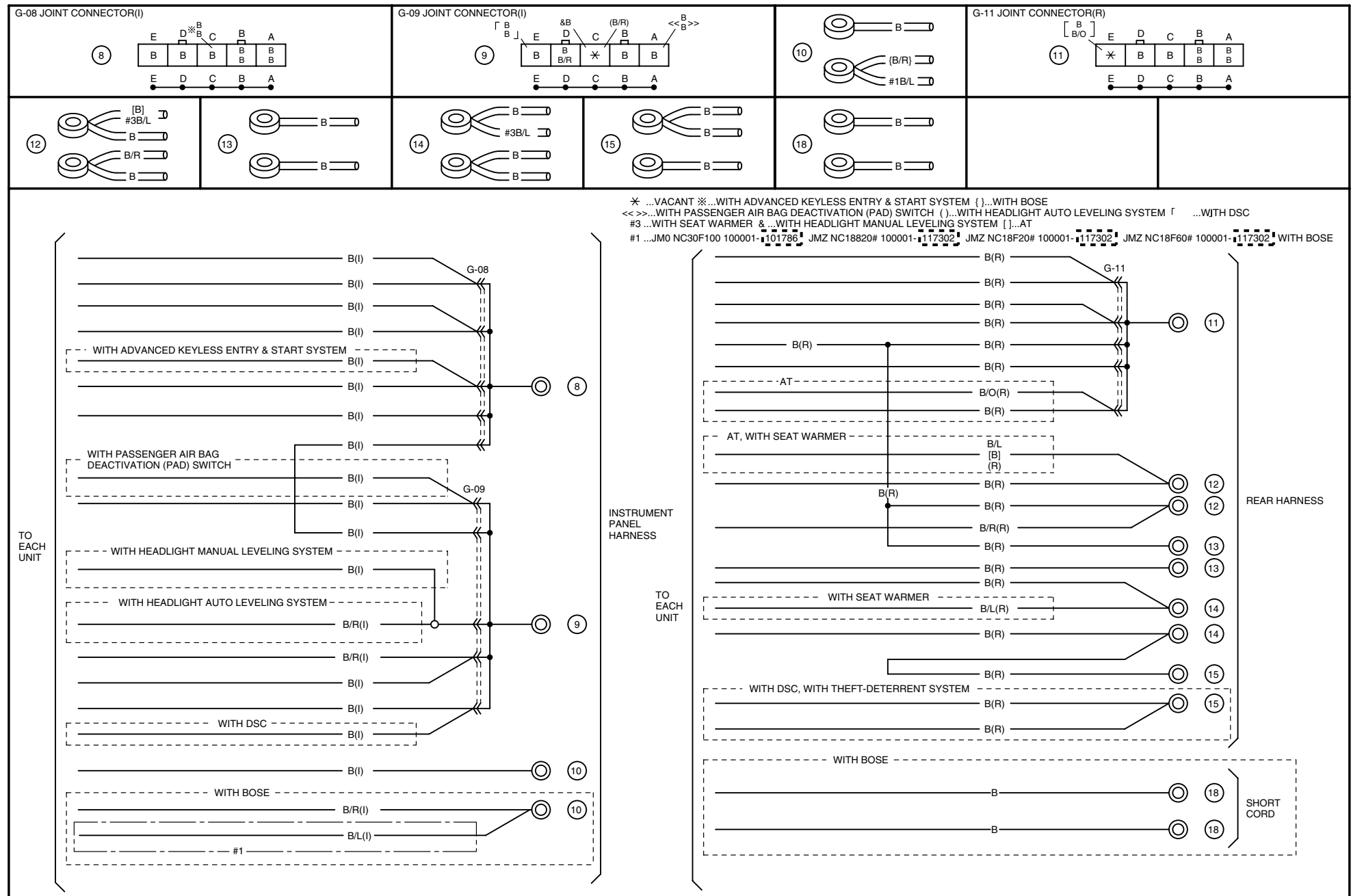





HARNESS SYMBOL:  (F)  (E)  (R)

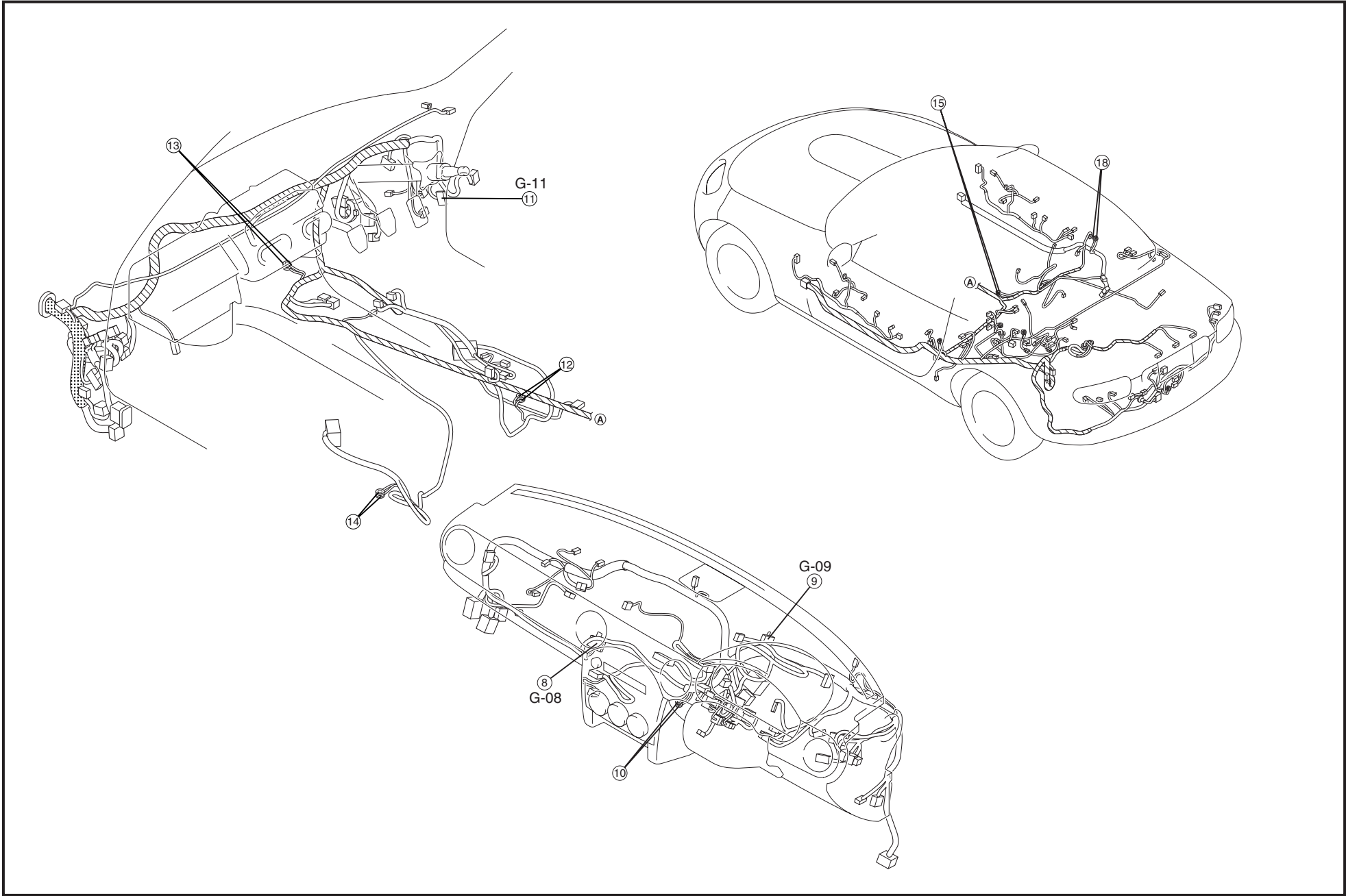


## GROUND POINT

**00G-b**

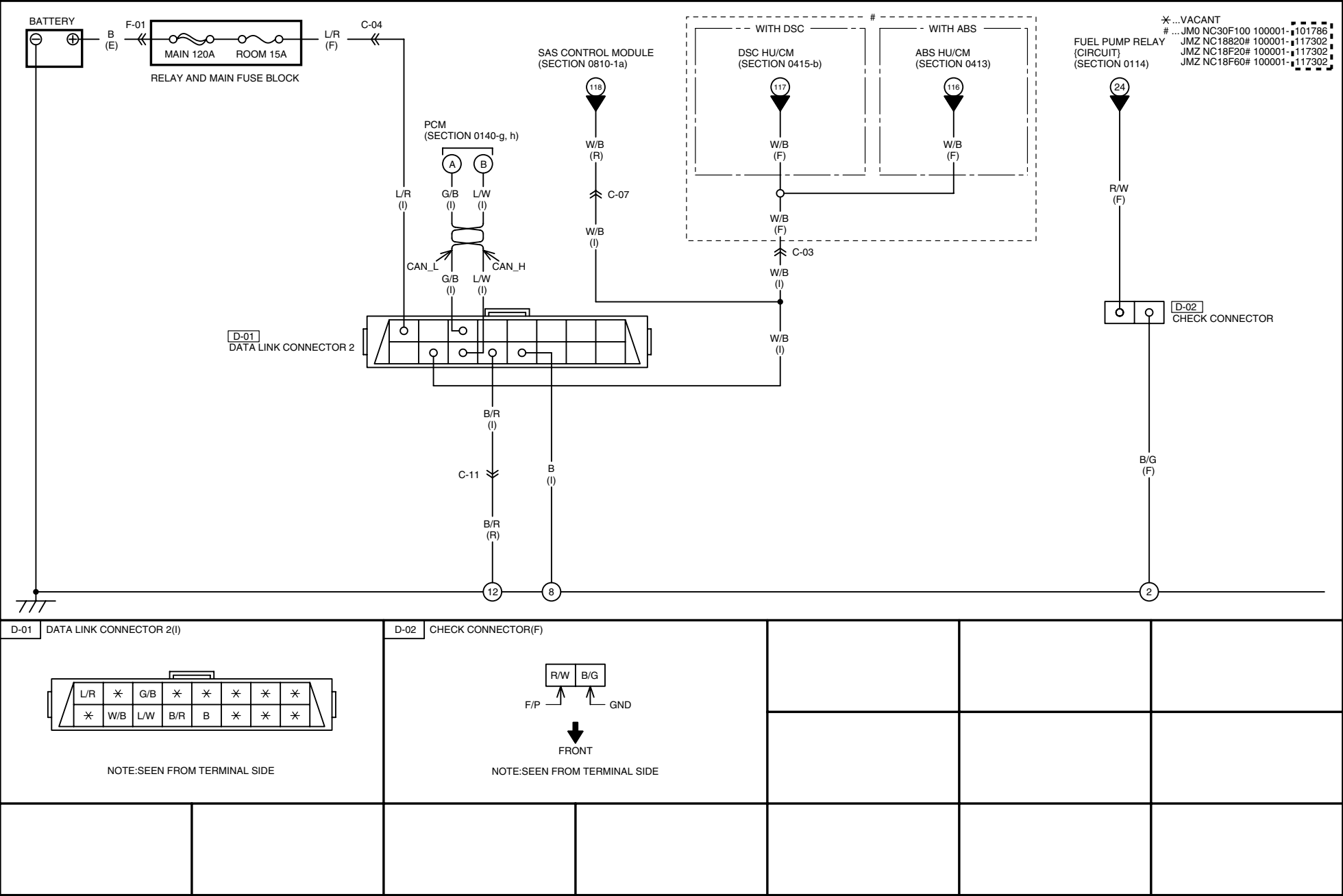


HARNESS SYMBOL:  (F)  (E)  (R)



DATA LINK CONNECTOR

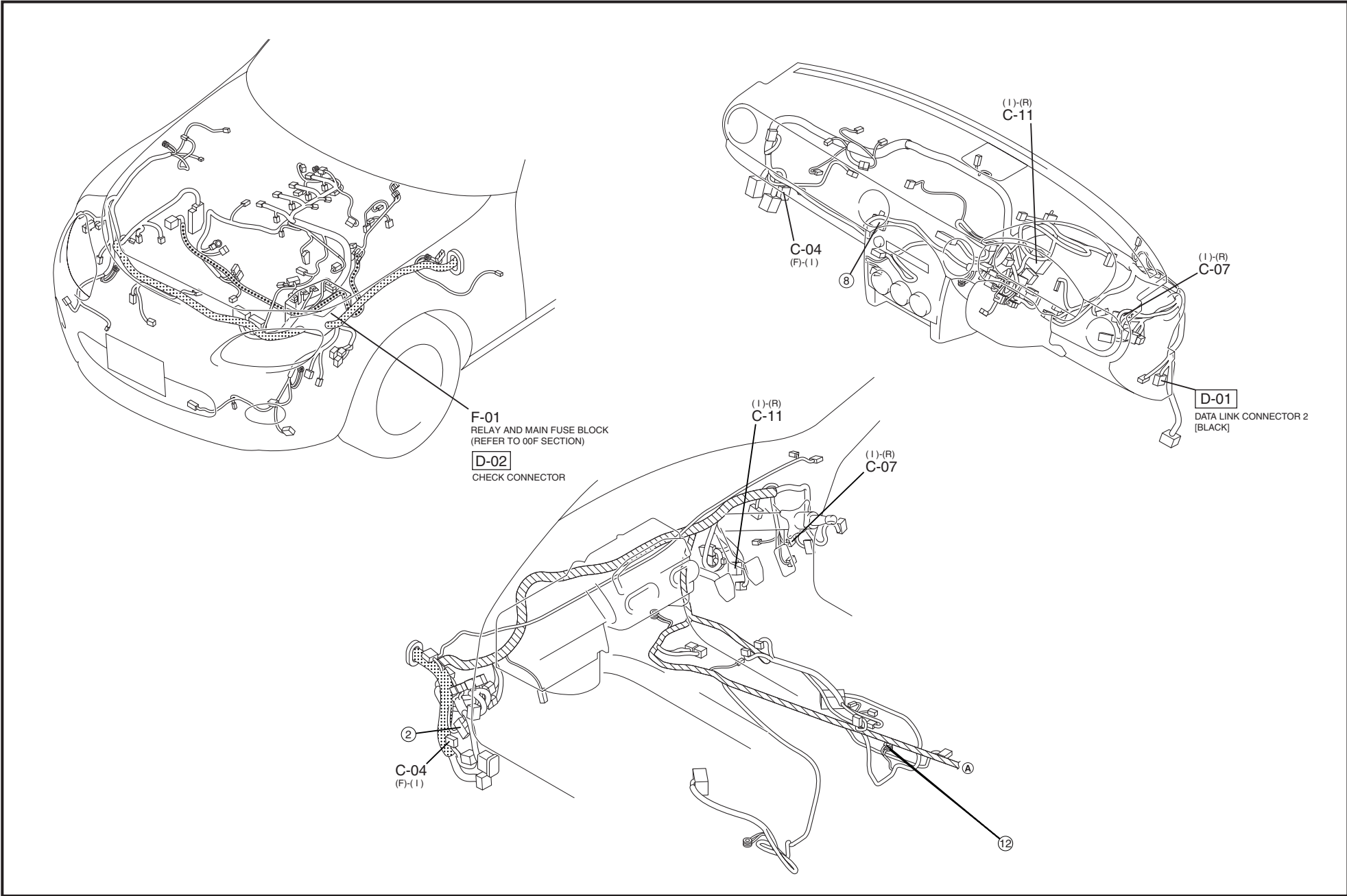
00D



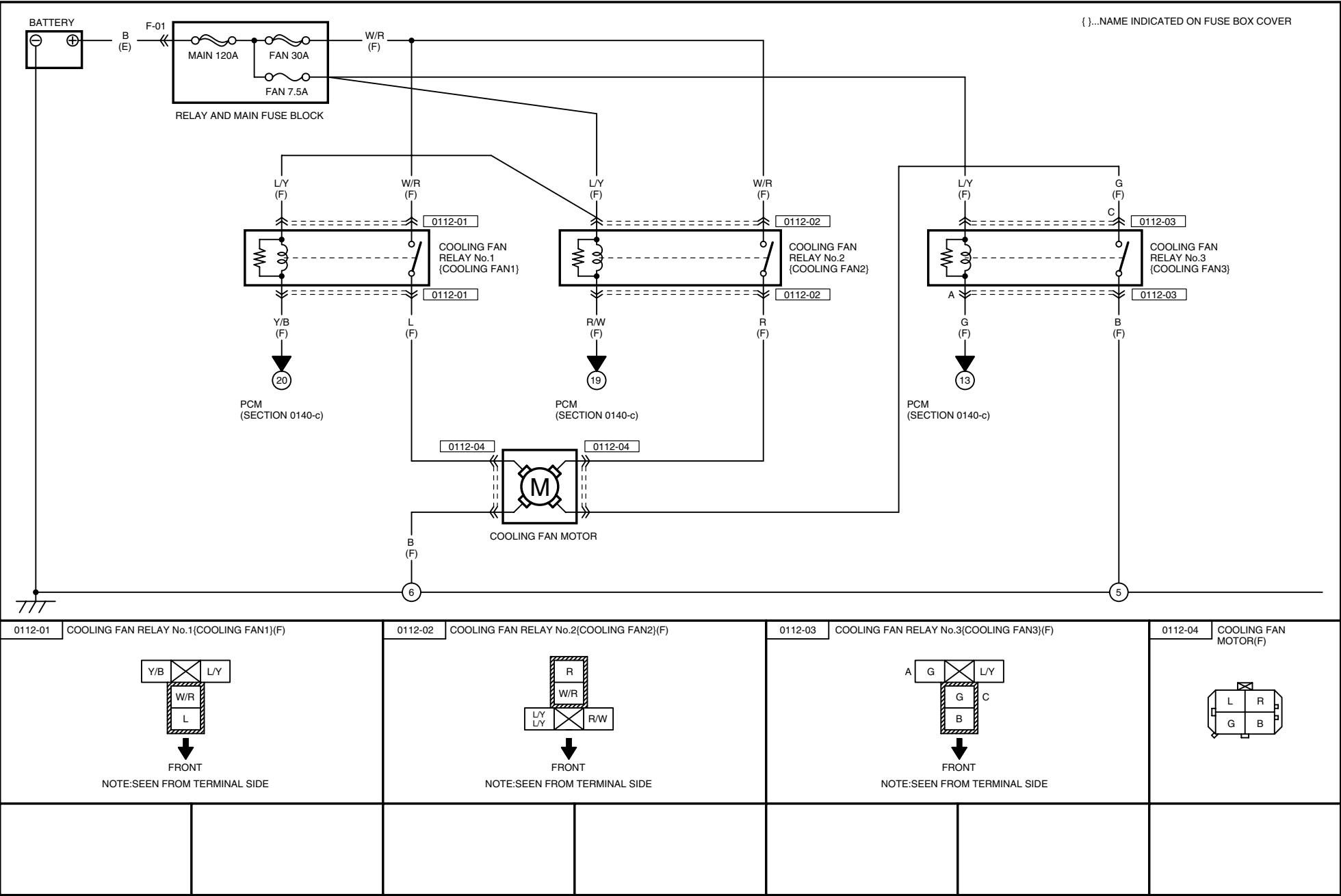
Mazda MX-5 Wiring Diagram (5686-1\*-06F)

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

33

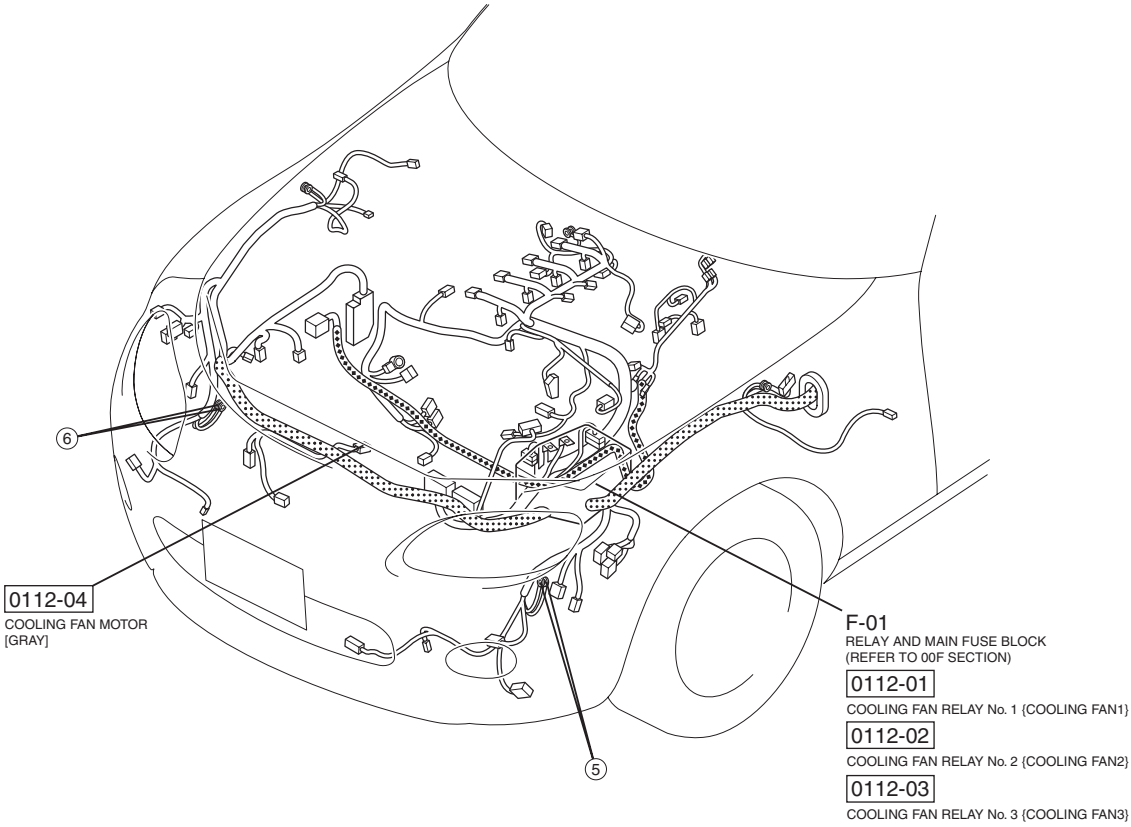






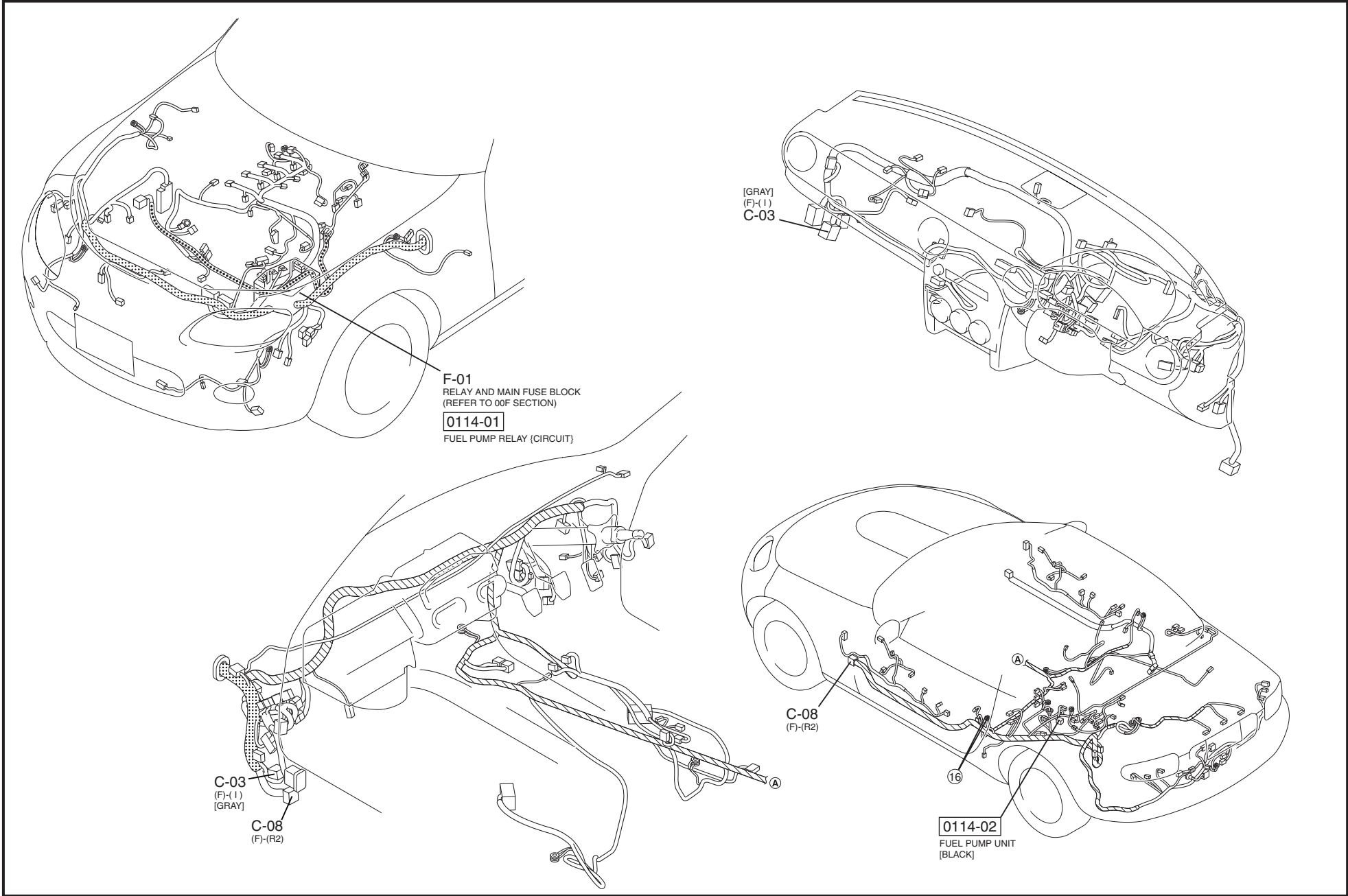
HARNESS SYMBOL:  (F)  (E)  (R)

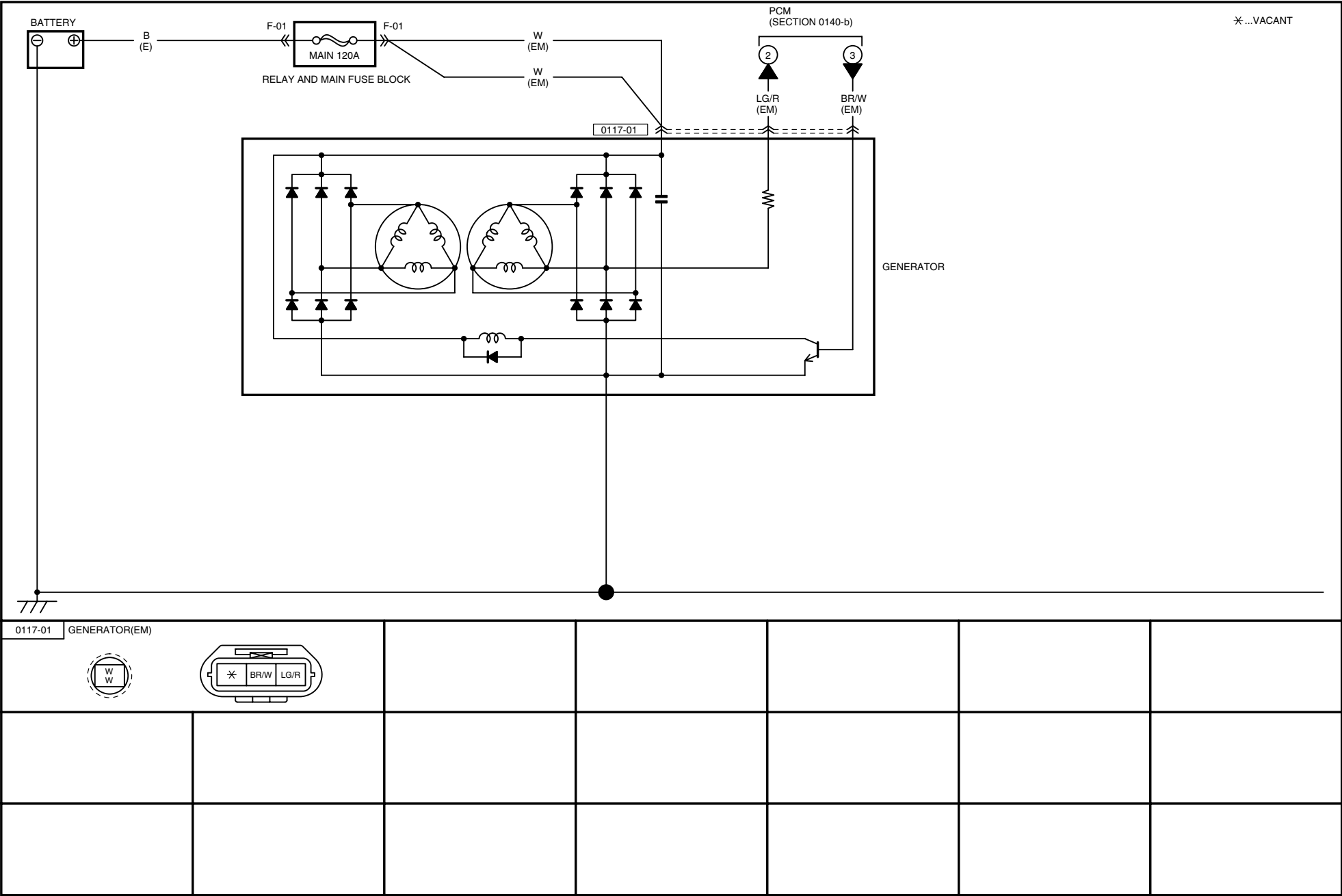
35





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

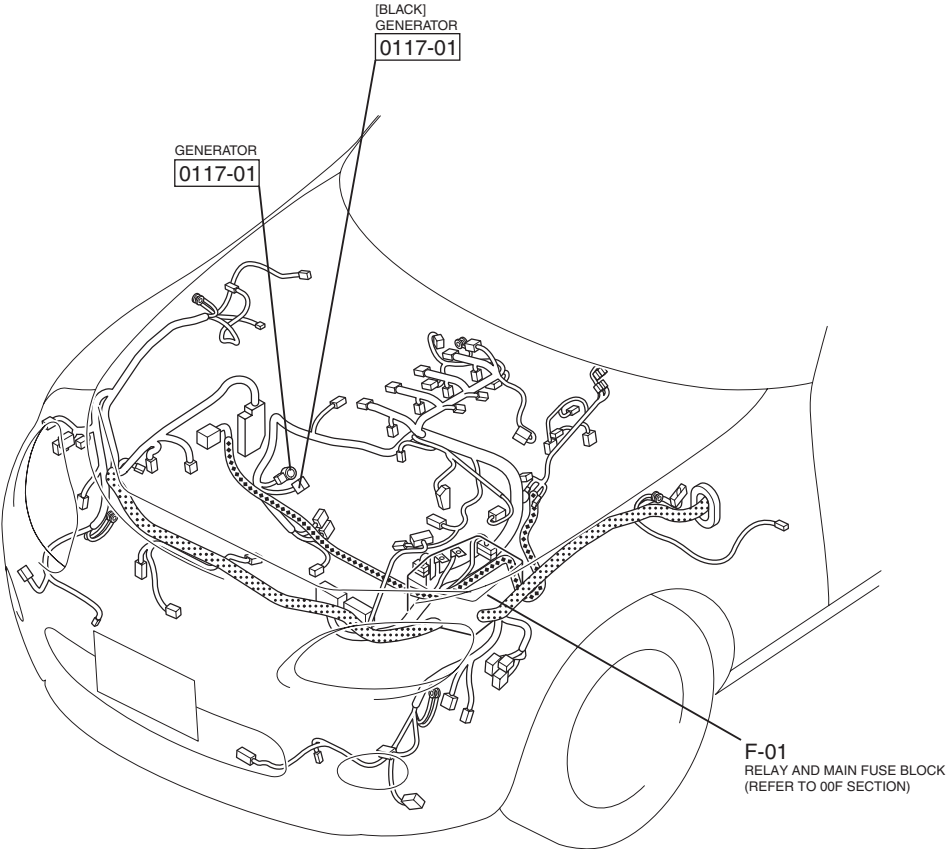


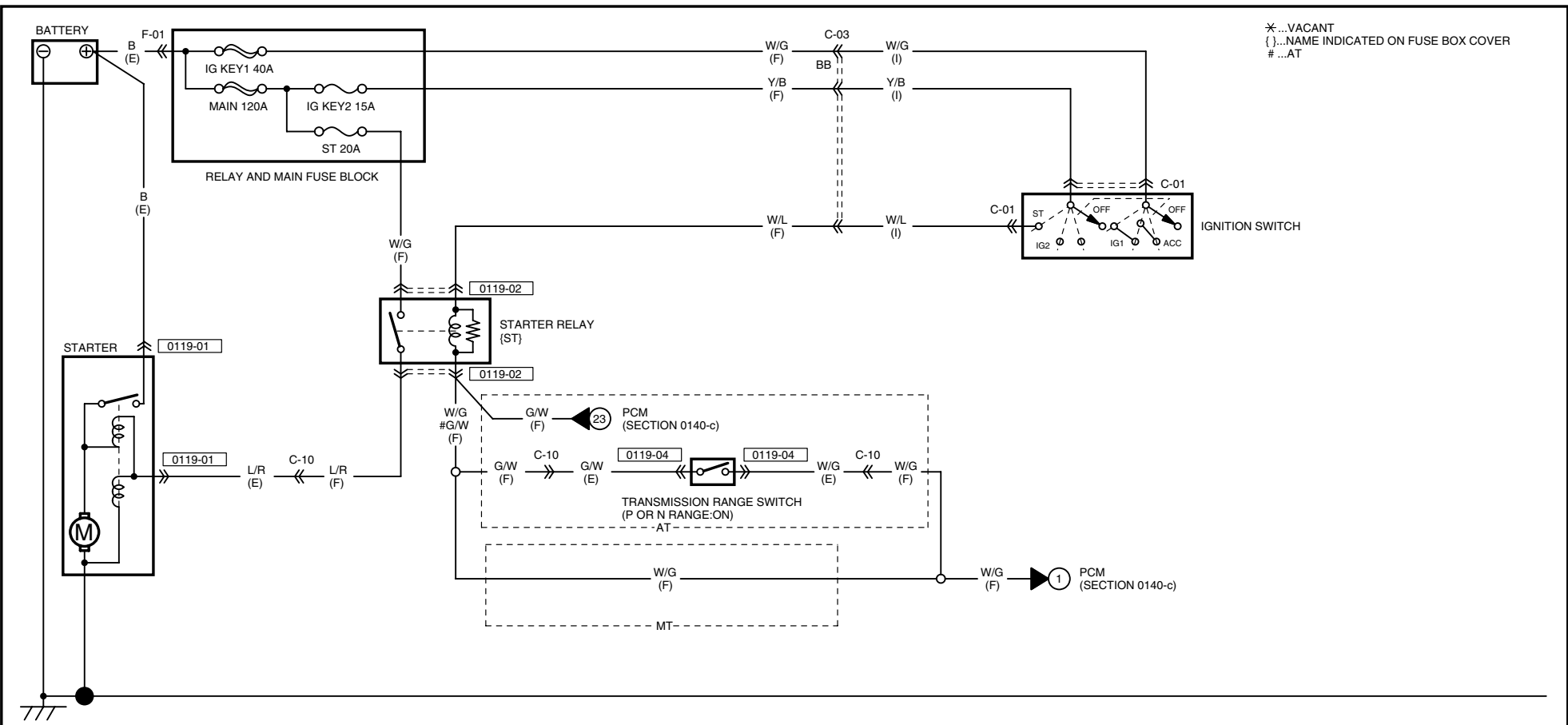



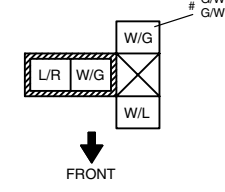
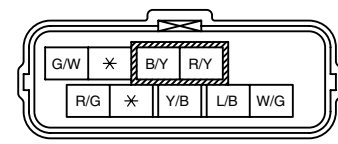
\*...VACANT

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

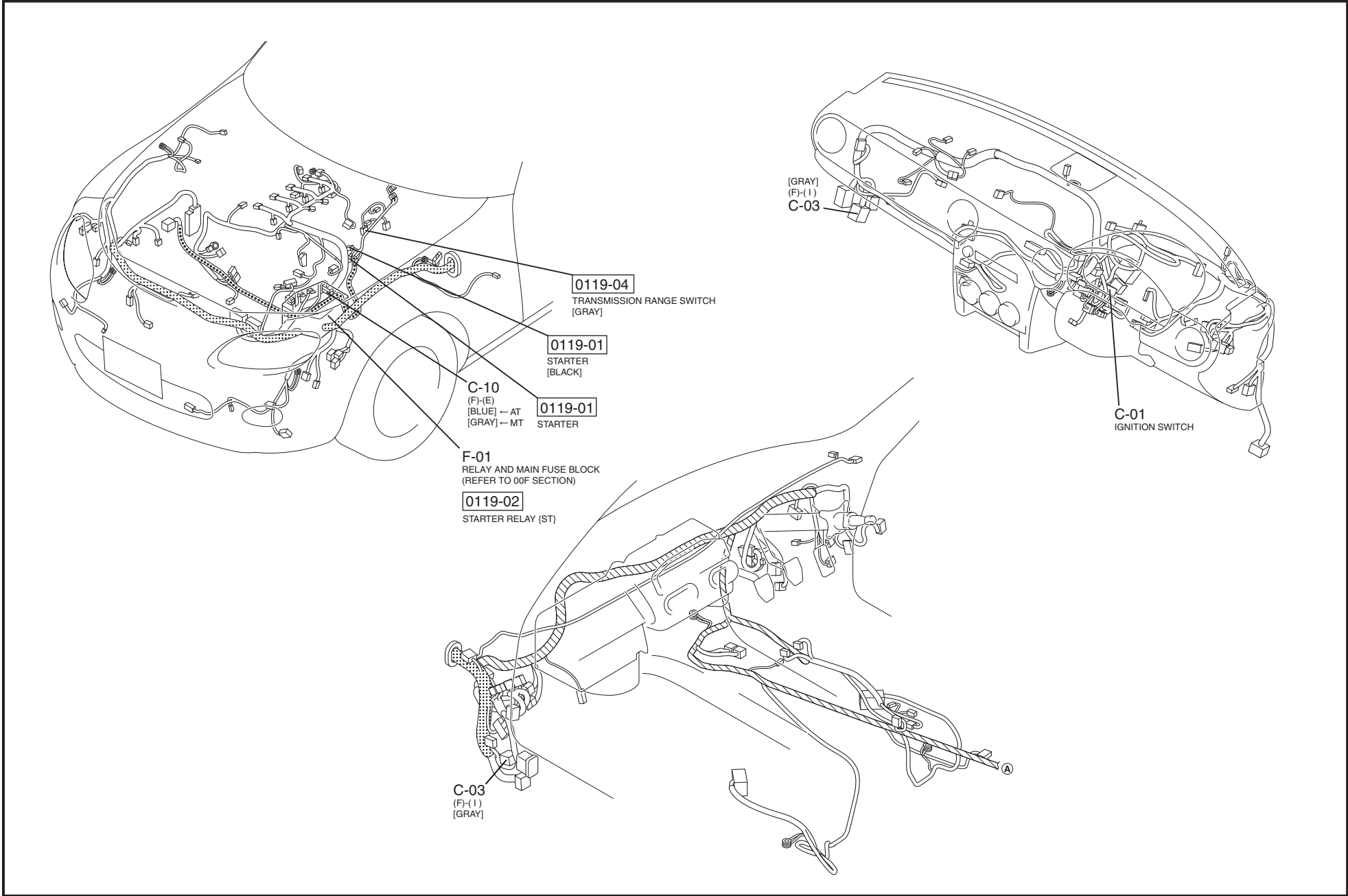
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0119-01	STARTER(E)	0119-02	STARTER RELAY(ST)(F)	0119-04	TRANSMISSION RANGE SWITCH(E)	
						

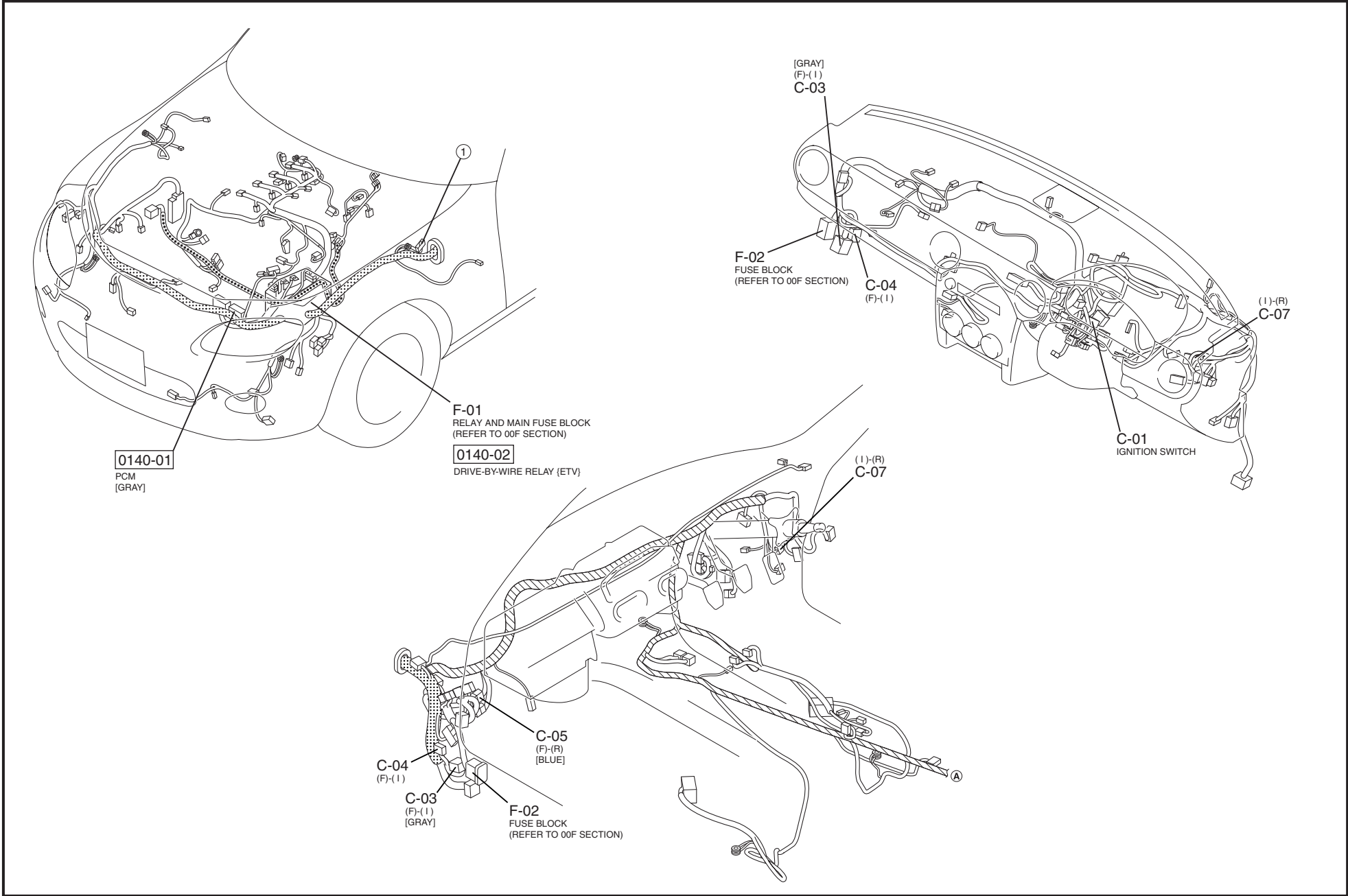
HARNESS SYMBOL:  (F)  (E)  (R)



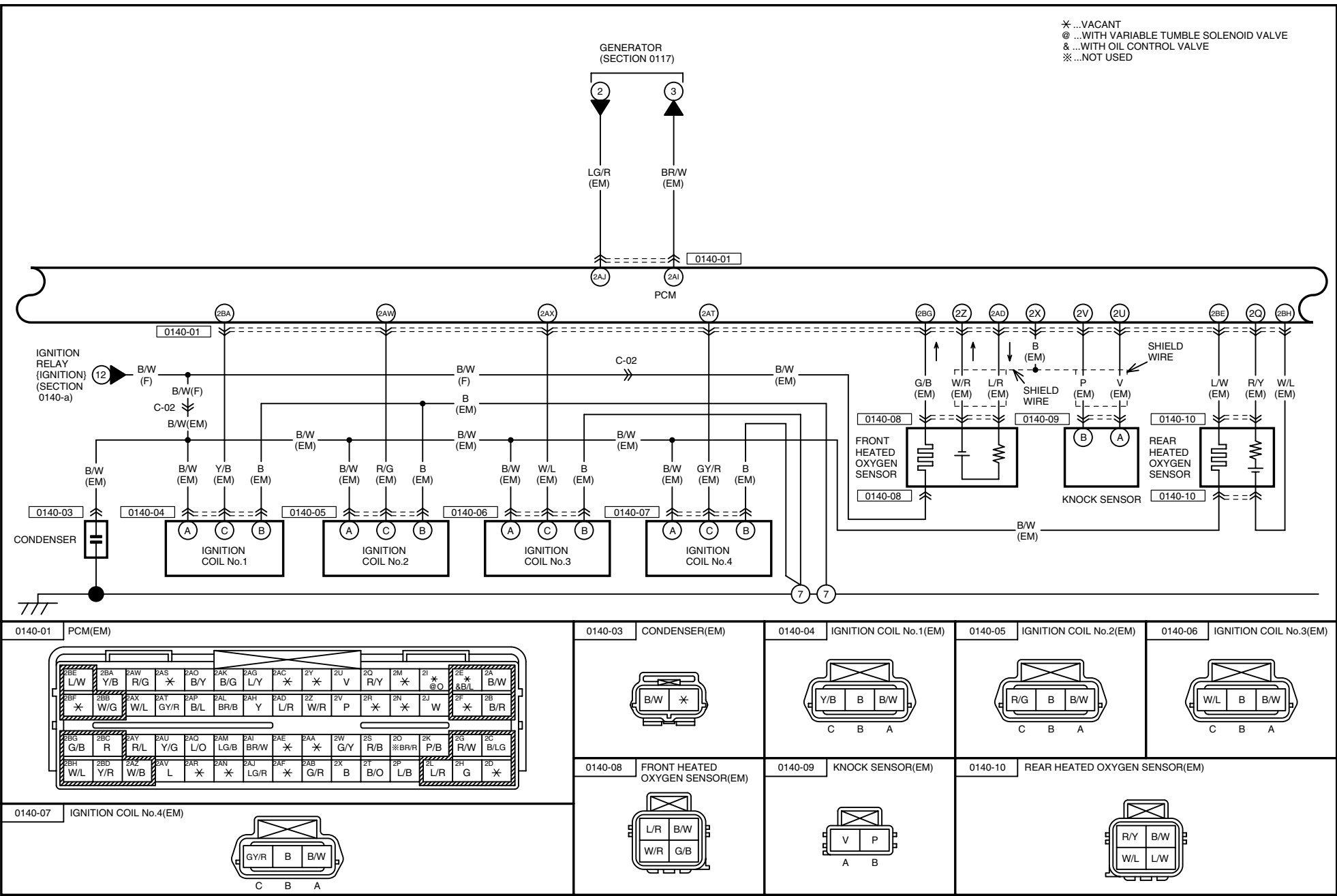




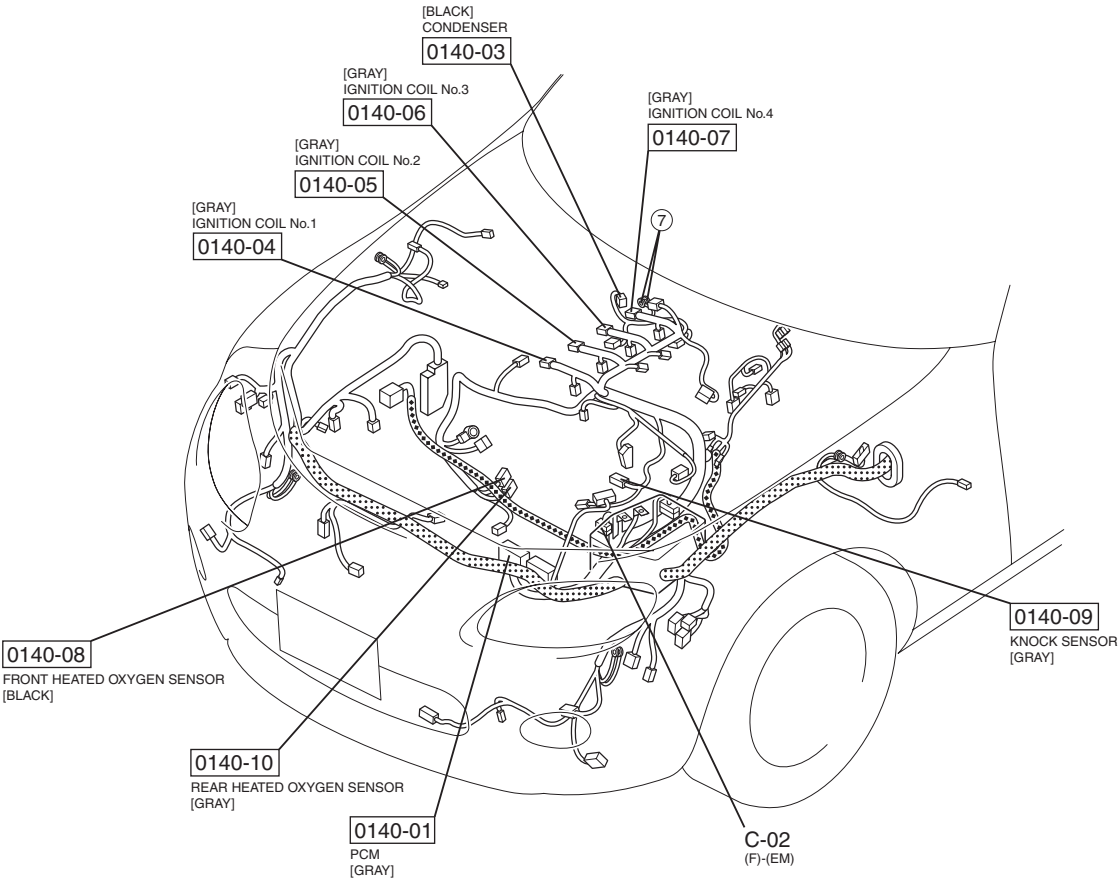
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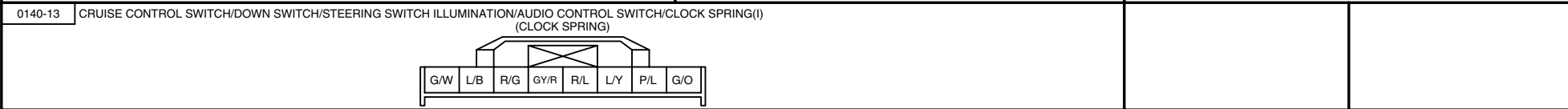
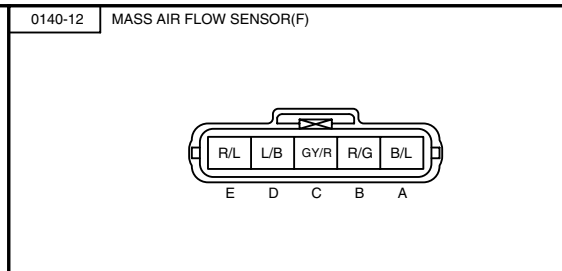
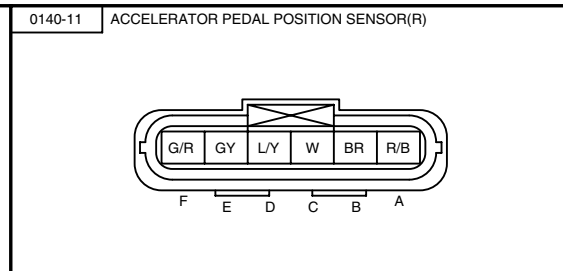
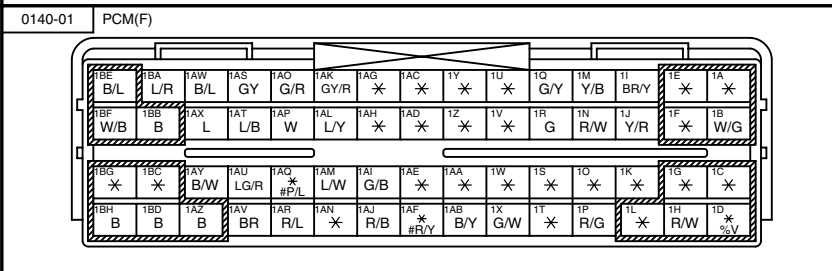
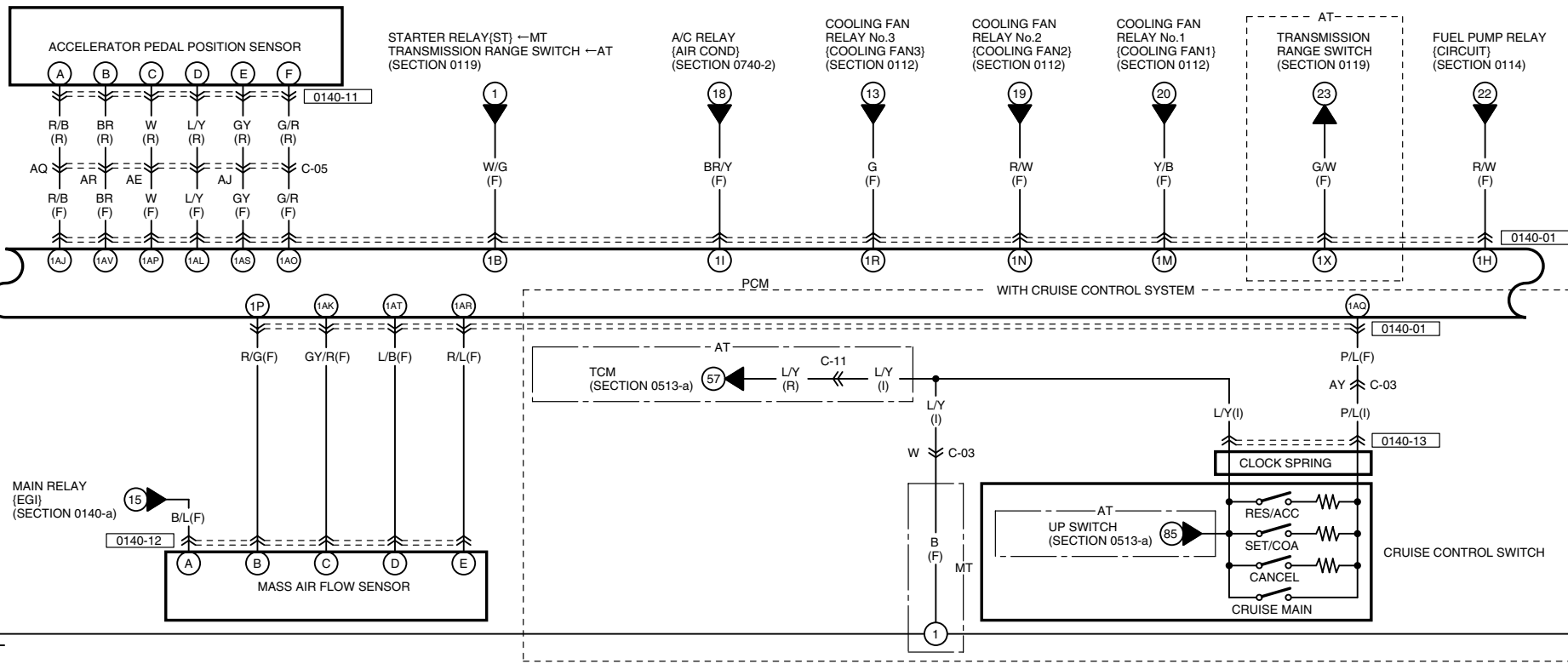


\* ...VACANT  
@ ...WITH VARIABLE TUMBLE SOLENOID VALVE  
& ...WITH OIL CONTROL VALVE  
※ ...NOT USED

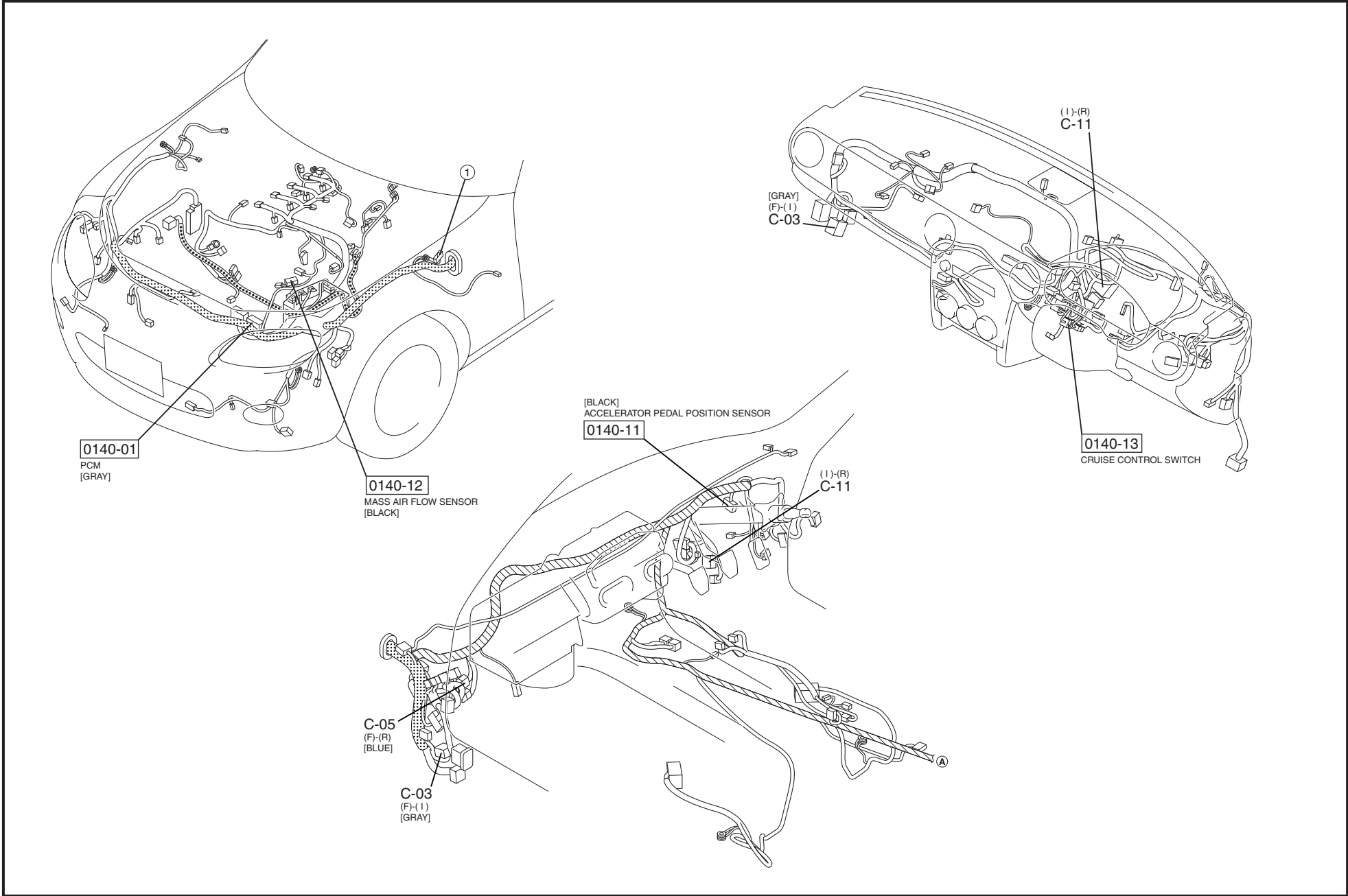


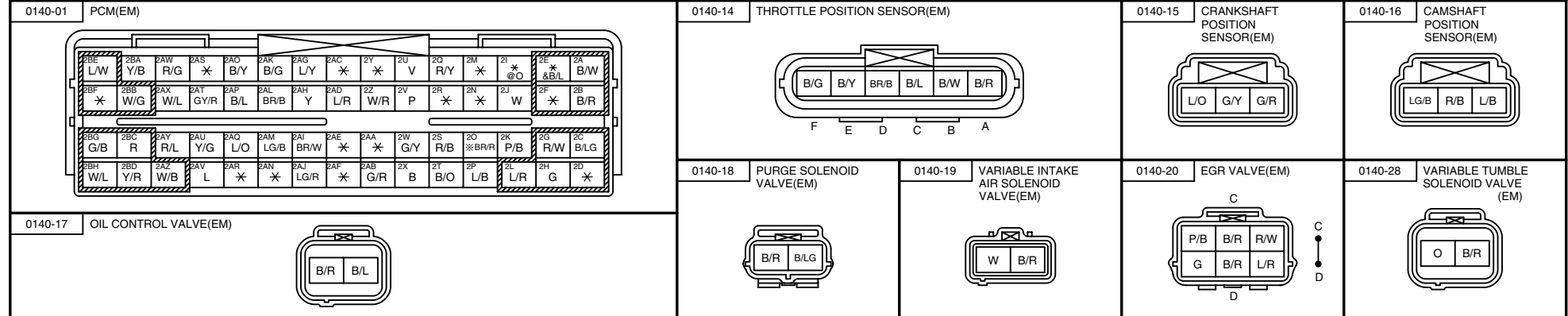
HARNESS SYMBOL:  (F)  (E)  (R)



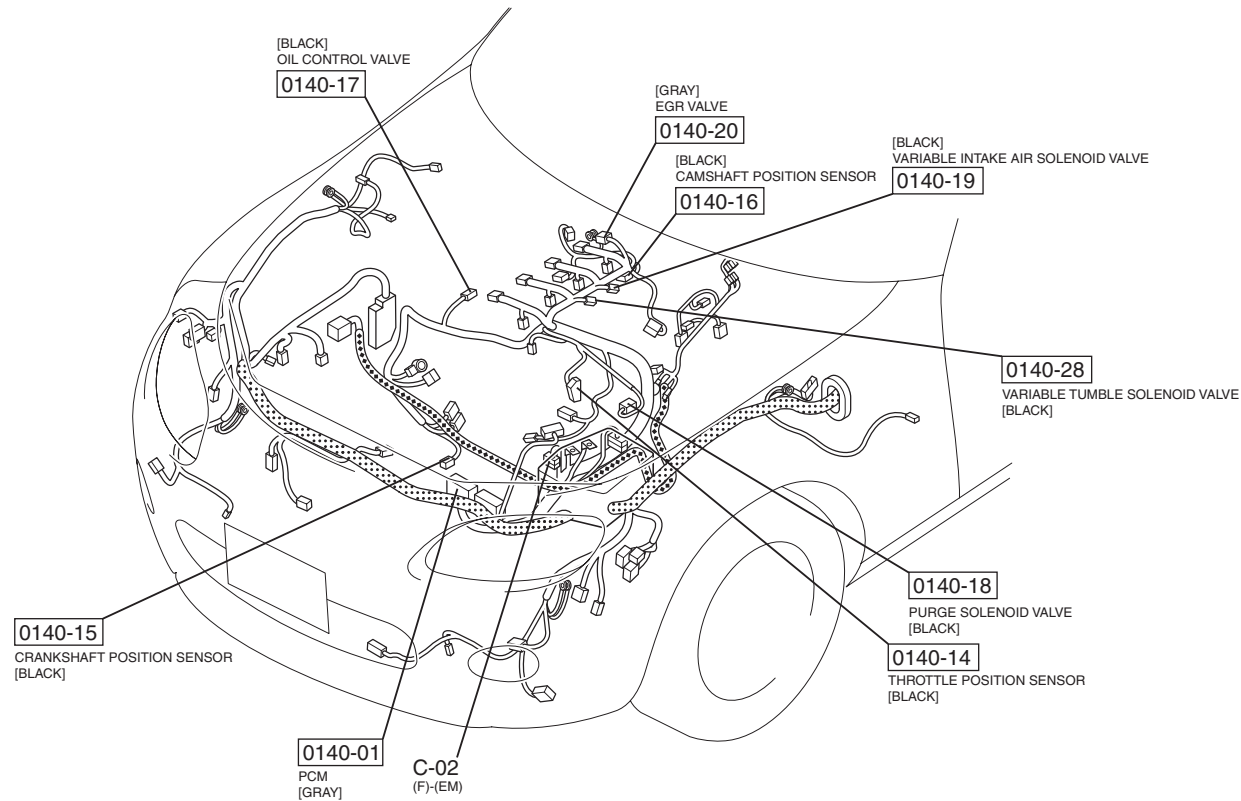


HARNESS SYMBOL:  (F)  (E)  (R)

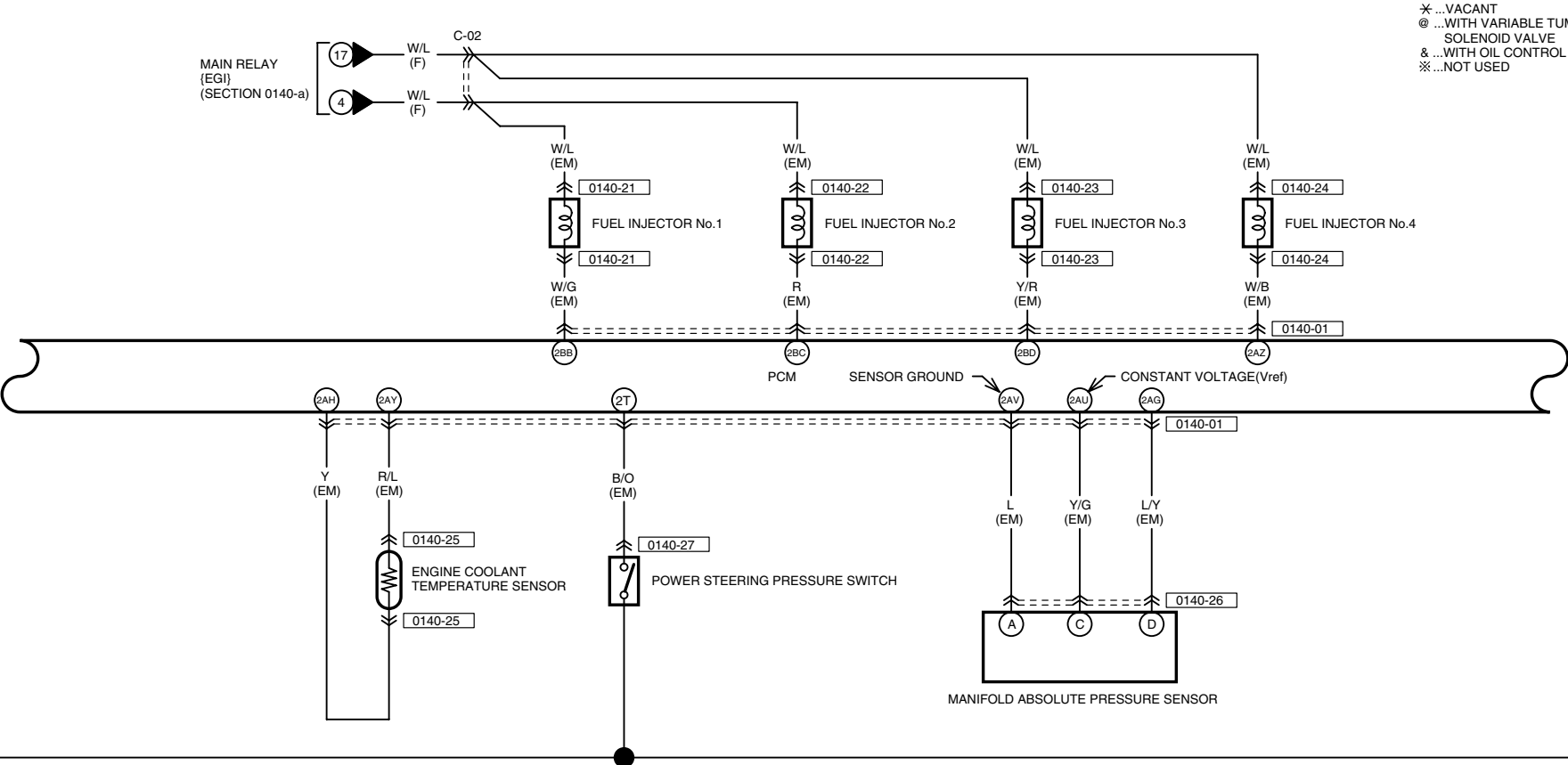






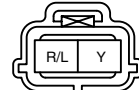
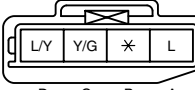



HARNESS SYMBOL:  (F)  (E)  (R)

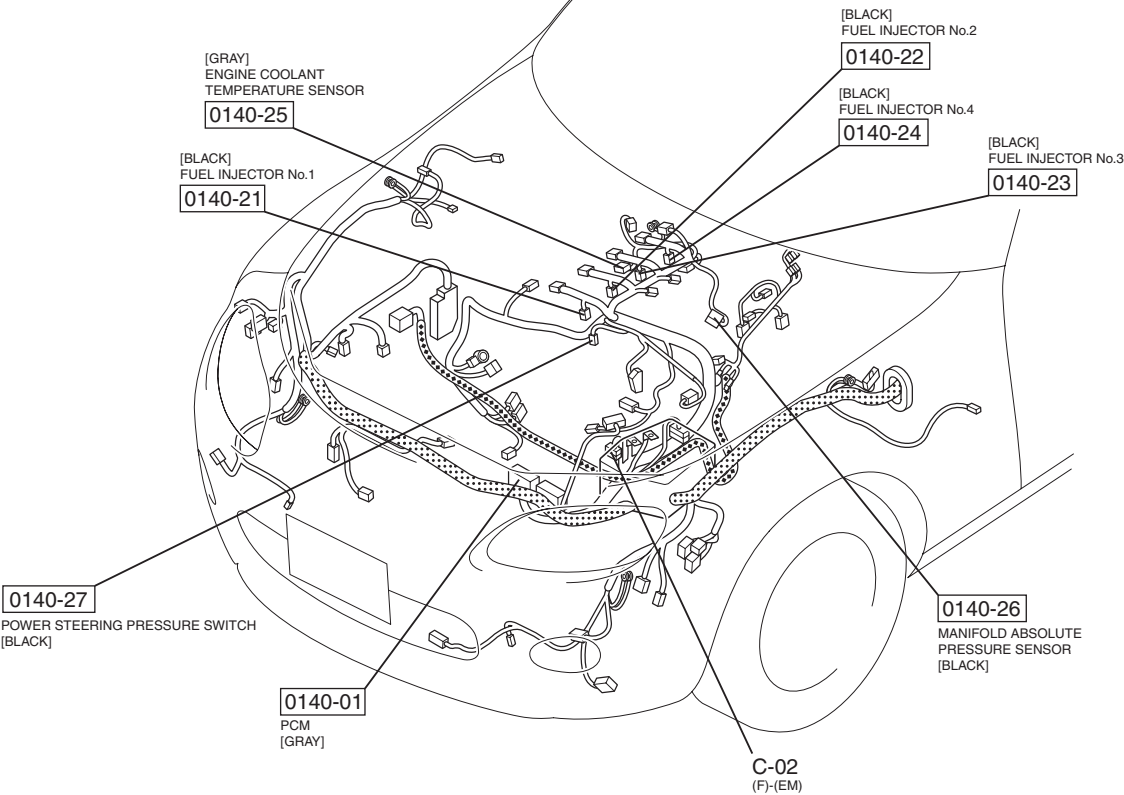




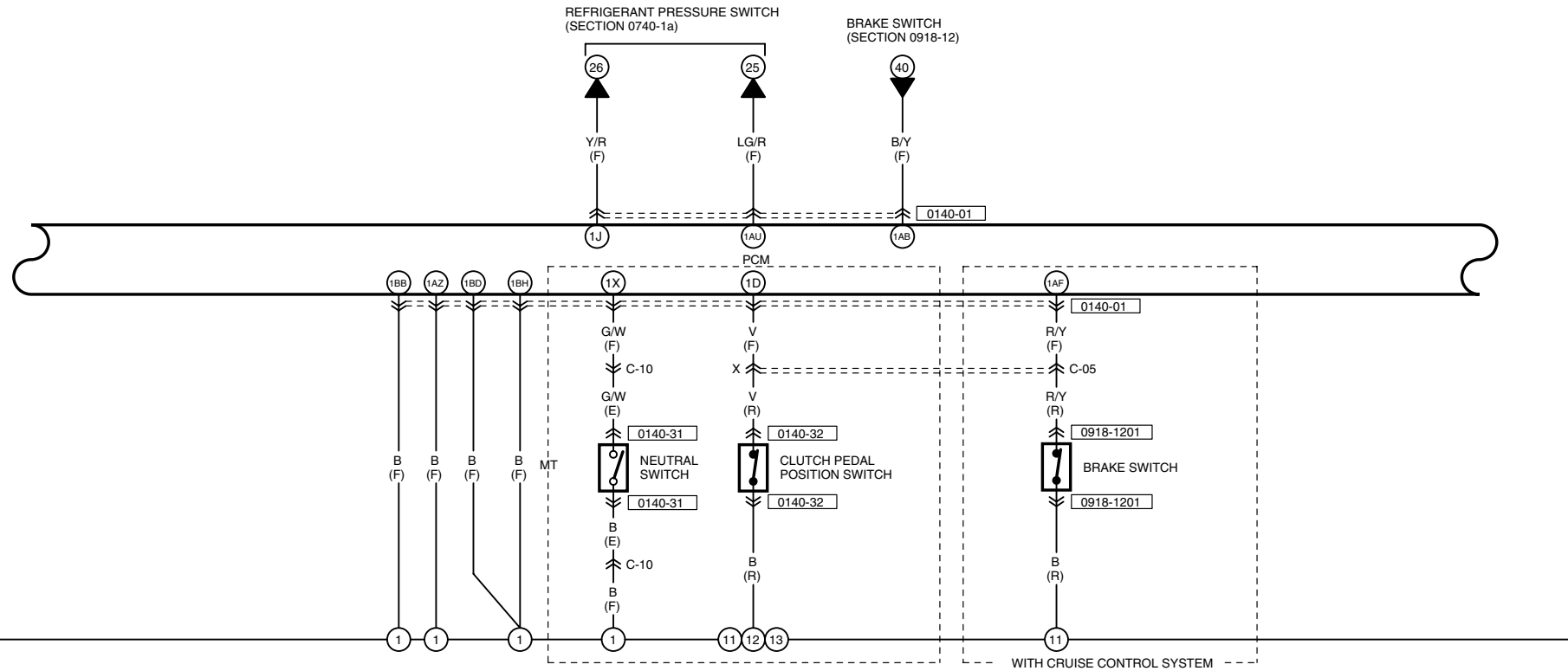


0140-01	PCM(EM)	0140-21	FUEL INJECTOR No.1(EM)	0140-22	FUEL INJECTOR No.2(EM)	0140-23	FUEL INJECTOR No.3(EM)	0140-24	FUEL INJECTOR No.4(EM)																																																																																																																								
<table><tr><td>2BE</td><td>2BA</td><td>2AW</td><td>2AS</td><td>2AO</td><td>2AK</td><td>2AG</td><td>2AC</td><td>2Y</td><td>2U</td><td>2O</td><td>2M</td><td>2I</td><td>2E</td><td>2A</td></tr><tr><td>L/W</td><td>Y/B</td><td>R/G</td><td>*</td><td>B/Y</td><td>B/G</td><td>L/Y</td><td>*</td><td>*</td><td>V</td><td>R/Y</td><td>*</td><td>※</td><td>※</td><td>B/W</td></tr><tr><td>2BF</td><td>2BB</td><td>2AX</td><td>2AT</td><td>2AP</td><td>2AL</td><td>2AH</td><td>2AD</td><td>2Z</td><td>2V</td><td>2R</td><td>2N</td><td>2J</td><td>2F</td><td>2B</td></tr><tr><td>*</td><td>W/G</td><td>W/L</td><td>G/Y/R</td><td>B/L</td><td>BR/B</td><td>Y</td><td>L/R</td><td>W/R</td><td>P</td><td>*</td><td>*</td><td>W</td><td>*</td><td>B/R</td></tr><tr><td>2BG</td><td>2BC</td><td>2AY</td><td>2AU</td><td>2AG</td><td>2AM</td><td>2AI</td><td>2AE</td><td>2AA</td><td>2W</td><td>2S</td><td>2O</td><td>2K</td><td>2G</td><td>2C</td></tr><tr><td>G/B</td><td>R</td><td>R/L</td><td>Y/G</td><td>L/O</td><td>LG/B</td><td>BR/W</td><td>*</td><td>*</td><td>G/Y</td><td>R/B</td><td>※BR/R</td><td>P/B</td><td>R/W</td><td>B/LG</td></tr><tr><td>2BH</td><td>2BD</td><td>2AZ</td><td>2AV</td><td>2AR</td><td>2AN</td><td>2AJ</td><td>2AF</td><td>2AB</td><td>2X</td><td>2T</td><td>2P</td><td>2L</td><td>2H</td><td>2D</td></tr><tr><td>W/L</td><td>Y/R</td><td>W/B</td><td>L</td><td>*</td><td>*</td><td>LG/R</td><td>*</td><td>G/R</td><td>B</td><td>B/O</td><td>L/B</td><td>L/R</td><td>G</td><td>*</td></tr></table>		2BE	2BA	2AW	2AS	2AO	2AK	2AG	2AC	2Y	2U	2O	2M	2I	2E	2A	L/W	Y/B	R/G	*	B/Y	B/G	L/Y	*	*	V	R/Y	*	※	※	B/W	2BF	2BB	2AX	2AT	2AP	2AL	2AH	2AD	2Z	2V	2R	2N	2J	2F	2B	*	W/G	W/L	G/Y/R	B/L	BR/B	Y	L/R	W/R	P	*	*	W	*	B/R	2BG	2BC	2AY	2AU	2AG	2AM	2AI	2AE	2AA	2W	2S	2O	2K	2G	2C	G/B	R	R/L	Y/G	L/O	LG/B	BR/W	*	*	G/Y	R/B	※BR/R	P/B	R/W	B/LG	2BH	2BD	2AZ	2AV	2AR	2AN	2AJ	2AF	2AB	2X	2T	2P	2L	2H	2D	W/L	Y/R	W/B	L	*	*	LG/R	*	G/R	B	B/O	L/B	L/R	G	*								
2BE	2BA	2AW	2AS	2AO	2AK	2AG	2AC	2Y	2U	2O	2M	2I	2E	2A																																																																																																																			
L/W	Y/B	R/G	*	B/Y	B/G	L/Y	*	*	V	R/Y	*	※	※	B/W																																																																																																																			
2BF	2BB	2AX	2AT	2AP	2AL	2AH	2AD	2Z	2V	2R	2N	2J	2F	2B																																																																																																																			
*	W/G	W/L	G/Y/R	B/L	BR/B	Y	L/R	W/R	P	*	*	W	*	B/R																																																																																																																			
2BG	2BC	2AY	2AU	2AG	2AM	2AI	2AE	2AA	2W	2S	2O	2K	2G	2C																																																																																																																			
G/B	R	R/L	Y/G	L/O	LG/B	BR/W	*	*	G/Y	R/B	※BR/R	P/B	R/W	B/LG																																																																																																																			
2BH	2BD	2AZ	2AV	2AR	2AN	2AJ	2AF	2AB	2X	2T	2P	2L	2H	2D																																																																																																																			
W/L	Y/R	W/B	L	*	*	LG/R	*	G/R	B	B/O	L/B	L/R	G	*																																																																																																																			
0140-25	ENGINE COOLANT TEMPERATURE SENSOR(EM)	0140-26	MANIFOLD ABSOLUTE PRESSURE SENSOR(EM)	0140-27	POWER STEERING PRESSURE SWITCH(EM)																																																																																																																												
																																																																																																																																	
		D C B A																																																																																																																															

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



\* ...VACANT  
% ...MT  
# ...WITH CRUISE CONTROL SYSTEM



0140-01 PCM(F)

1BB	1BA	1AW	1AS	1AO	1AK	1AG	1AC	1Y	1U	1G	1M	1I	1E	1A
B/L	L/R	B/L	GY	G/R	GY/R	*	*	*	*	G/Y	Y/B	BR/Y	*	*
1BF	1BB	1AX	1AT	1AP	1AL	1AH	1AD	1Z	1V	1R	1N	1U	1F	1B
W/B	B	L	L/B	W	L/Y	*	*	*	*	G	R/W	Y/R	*	W/G
1BG	1BC	1AY	1AU	1AQ	1AM	1AI	1AE	1AA	1W	1S	1O	1K	1G	1C
*	*	B/W	LG/R	* #P/L	L/W	G/B	*	*	*	*	*	*	*	*
1BH	1BD	1AZ	1AV	1AR	1AN	1AJ	1AF	1AB	1X	1T	1P	1L	1H	1D
B	B	B	BR	R/L	*	R/B	* #R/Y	B/Y	G/W	1T	1P	1L	1H	1D

0140-31 NEUTRAL SWITCH(E)

G/W B

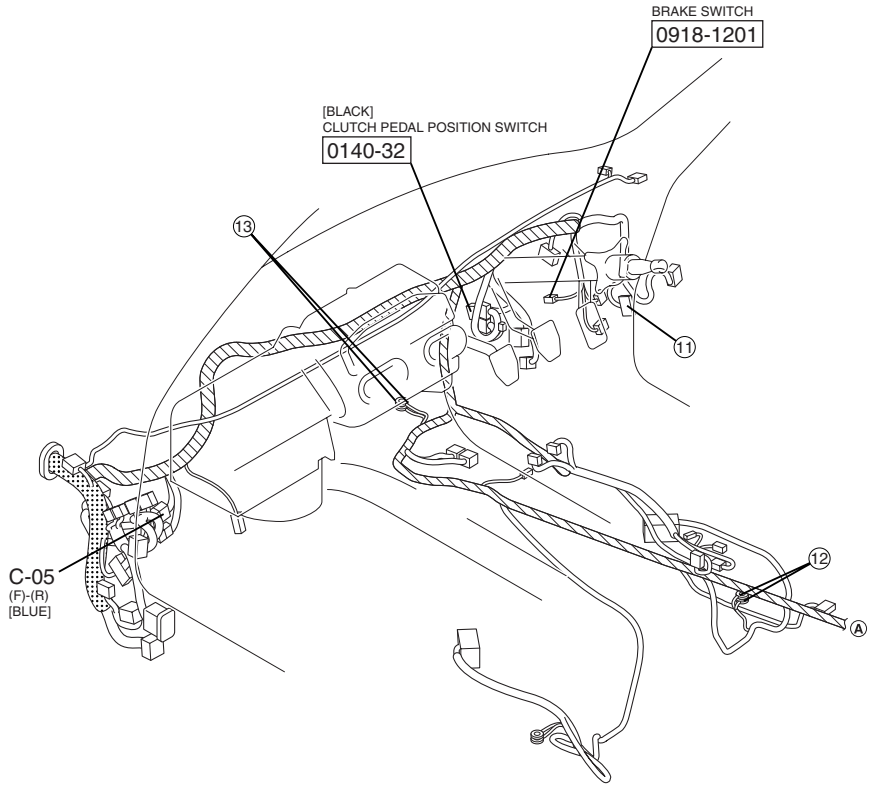
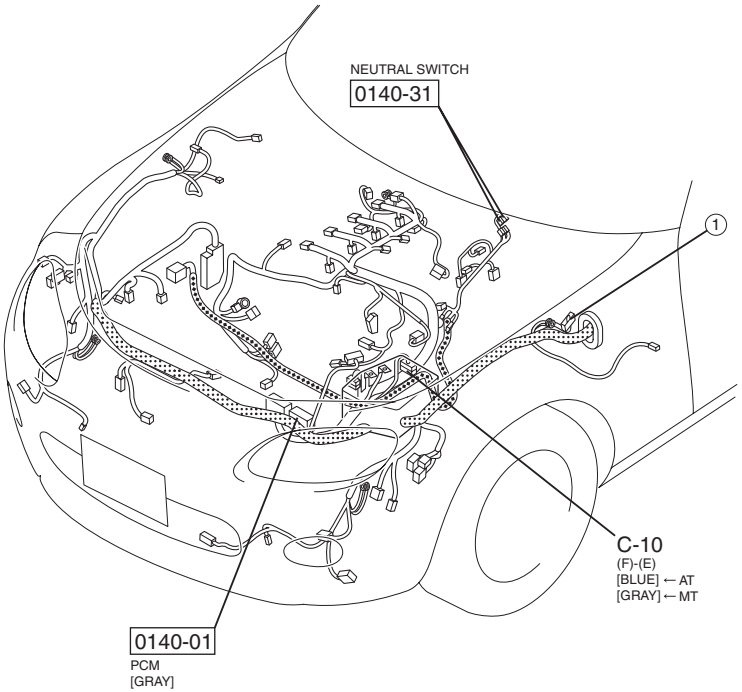
0918-1201 BRAKE SWITCH(R)

B R/Y  
B/Y R/B

0140-32 CLUTCH PEDAL POSITION SWITCH(R)

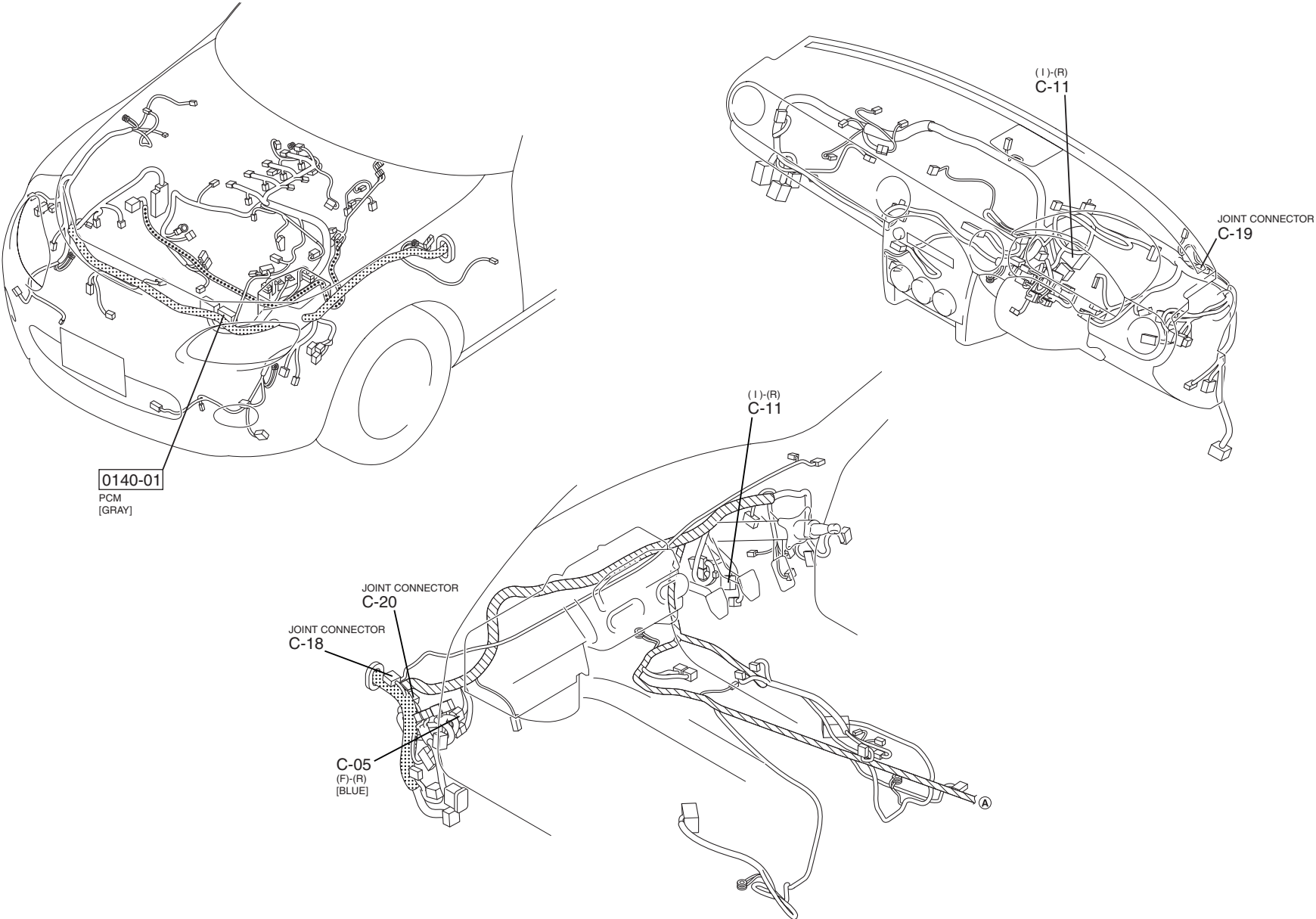
B V  
\* \* \*

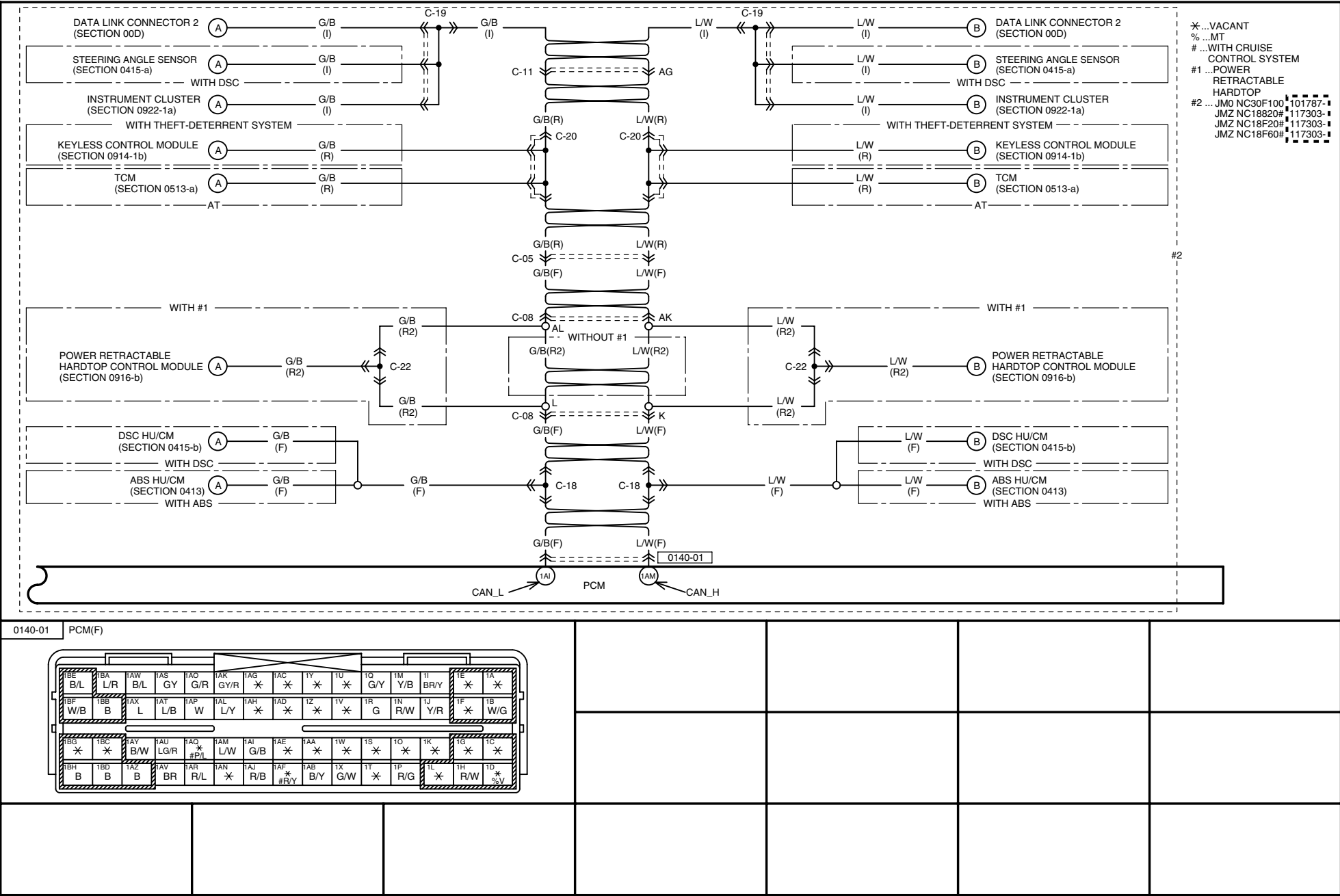
HARNESS SYMBOL:  (F)  (E)  (R)





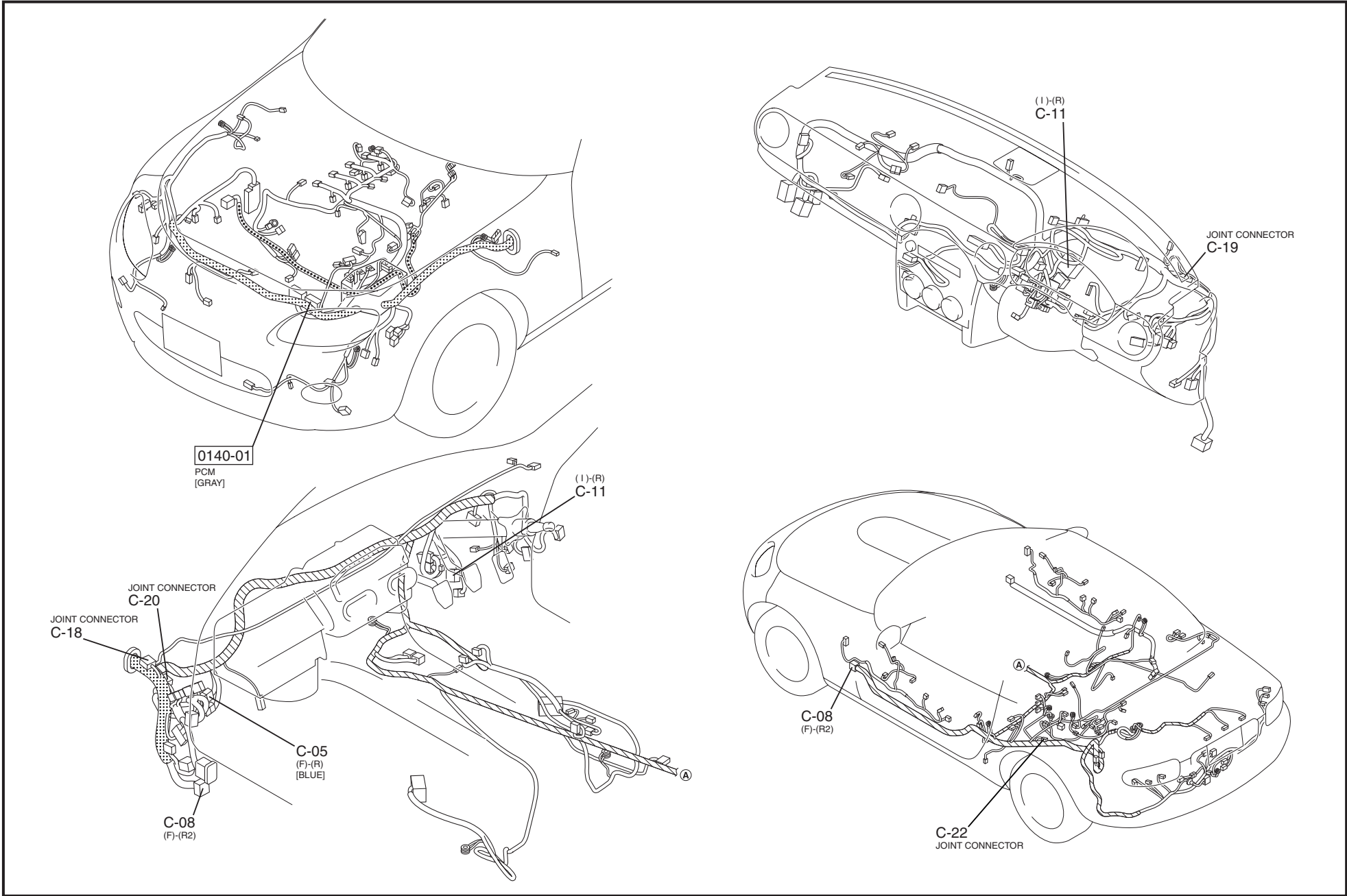
HARNESS SYMBOL:  (F)  (E)  (R)





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

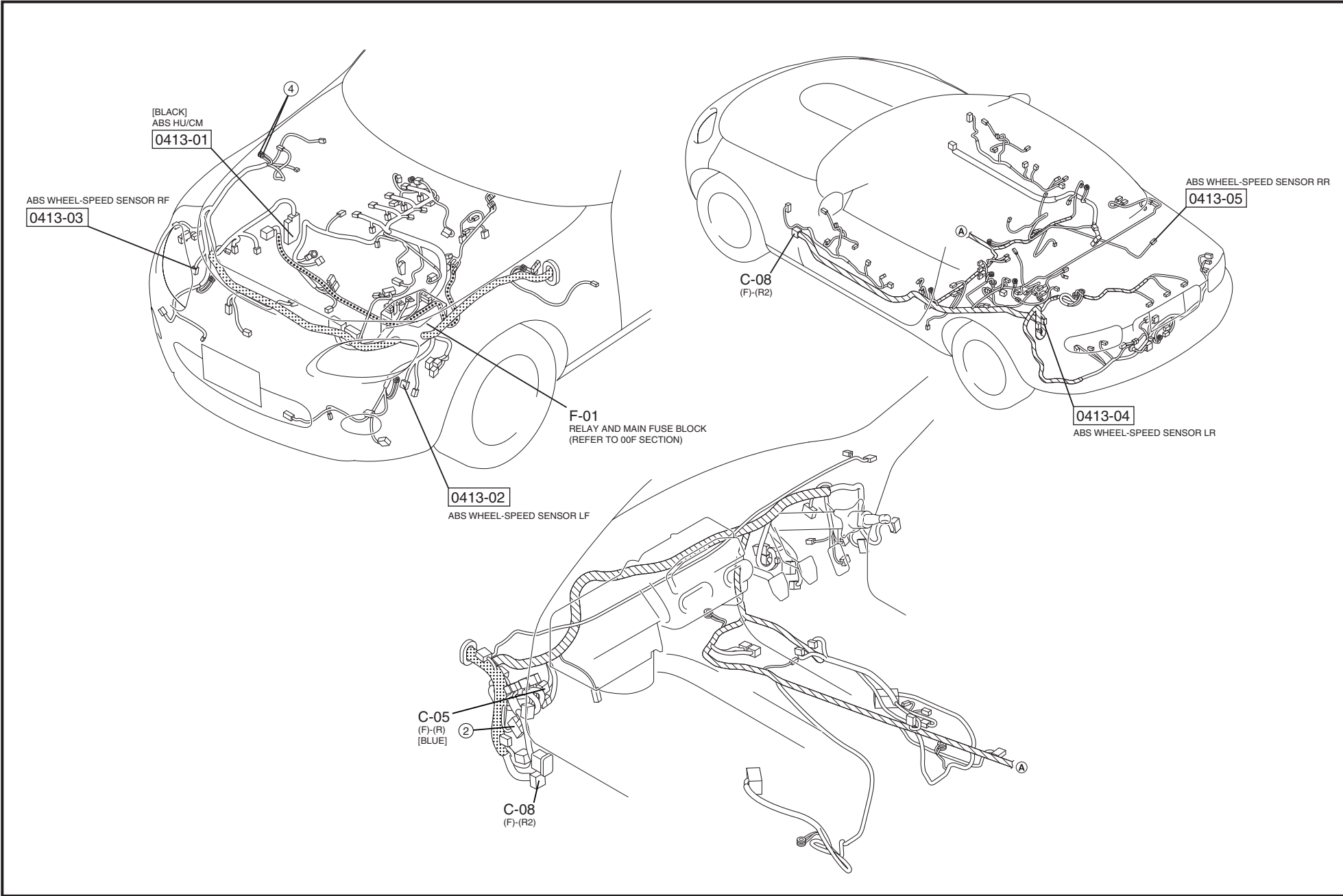
57





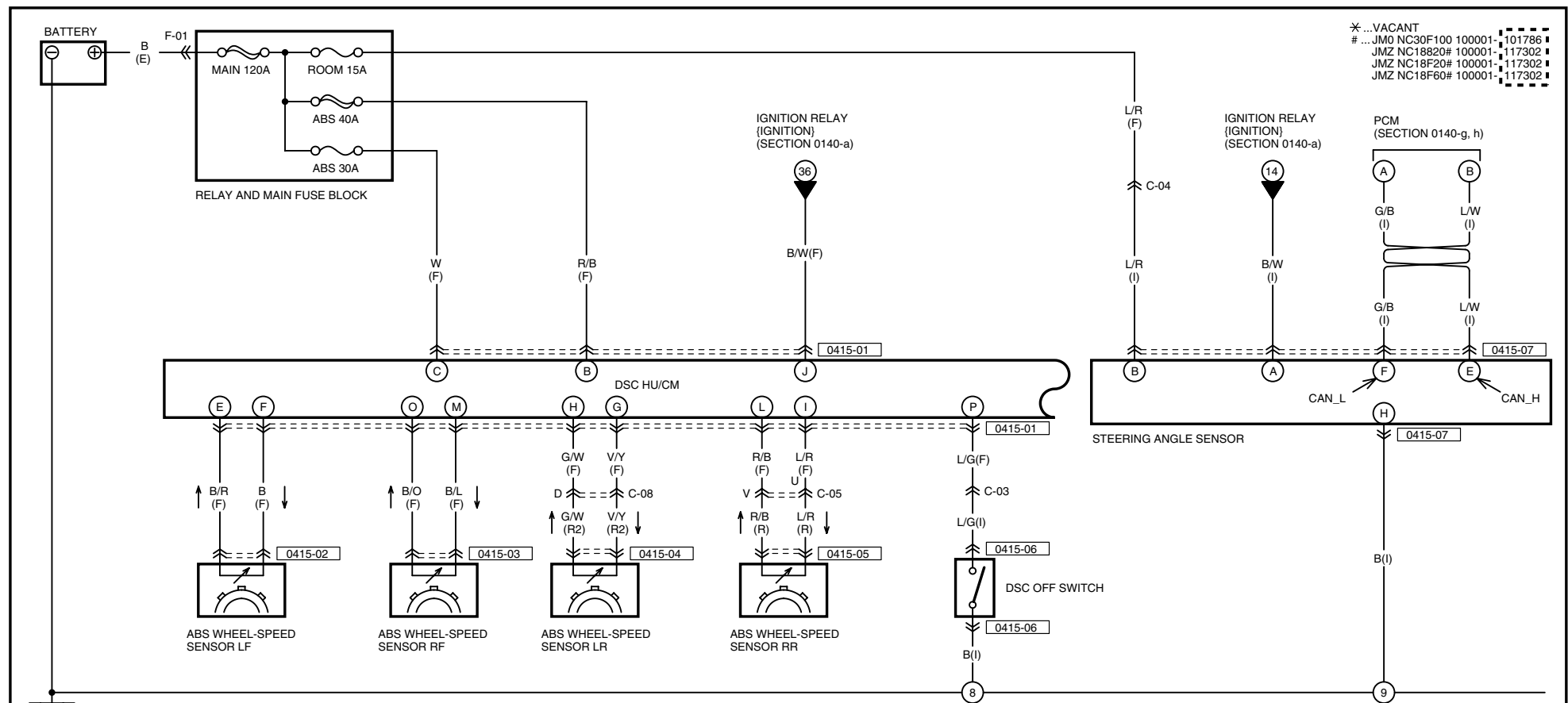
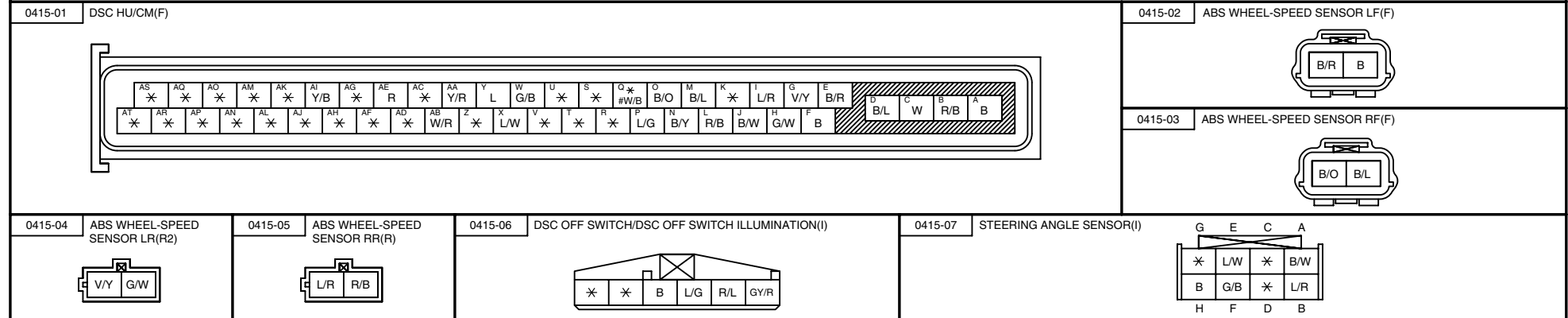
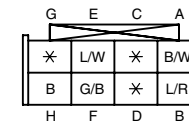
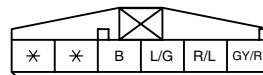
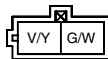
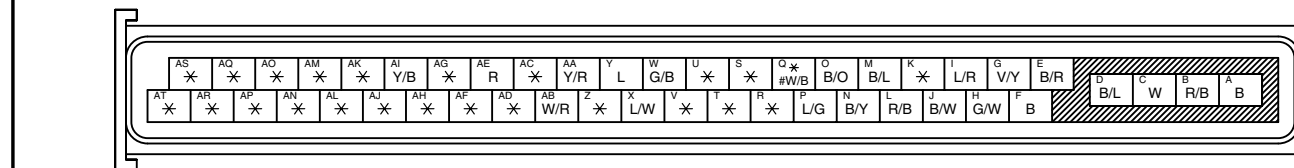


HARNESS SYMBOL:  (F)  (E)  (R)



## 60

0415-01	DSC HU/CM(F)
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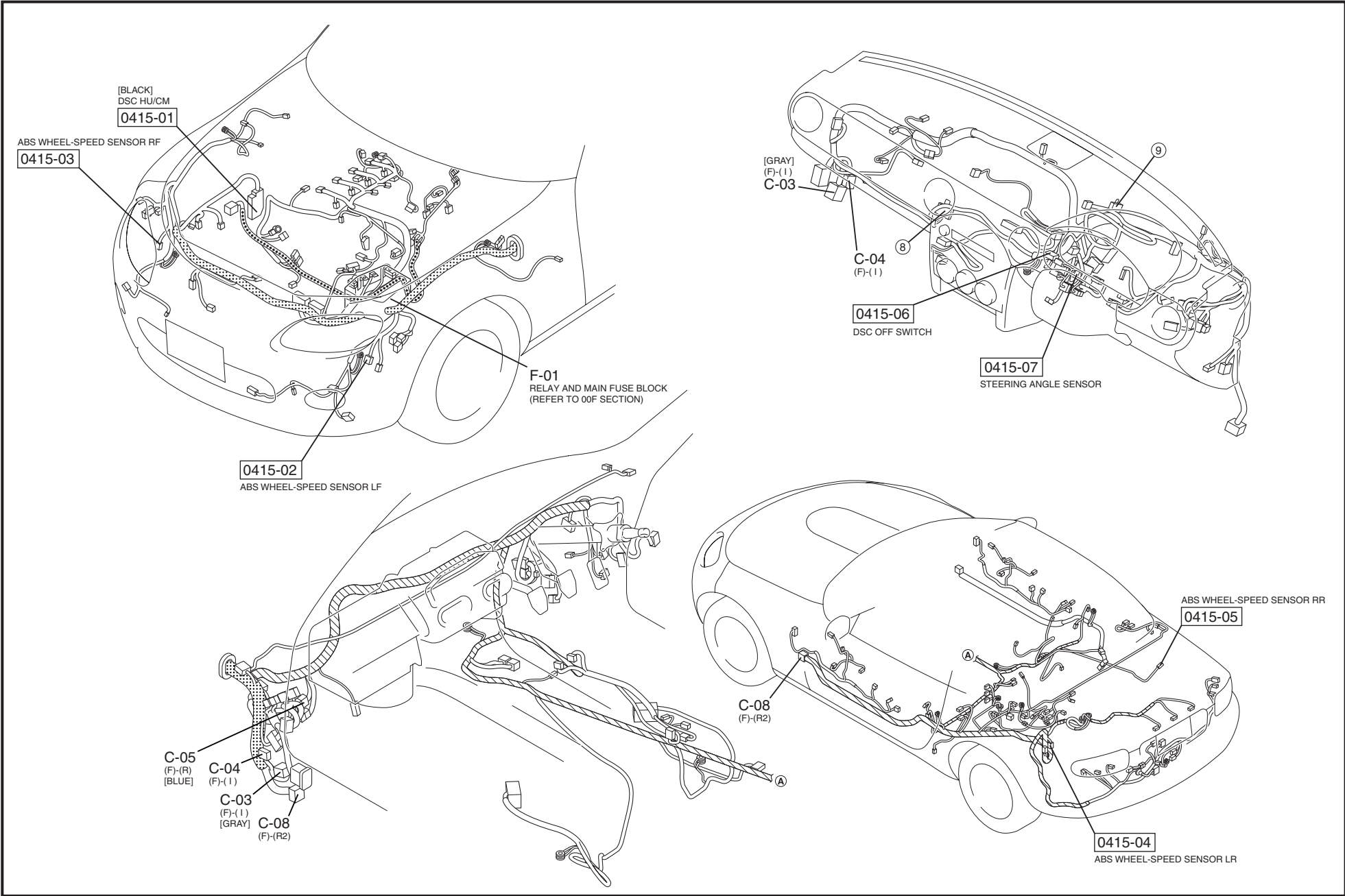
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*...VACANT
#...JM0 NC30F100 100001- 101786
    JMZ NC18820# 100001- 117302
    JMZ NC18F20# 100001- 117302
    JMZ NC18F60# 100001- 117302

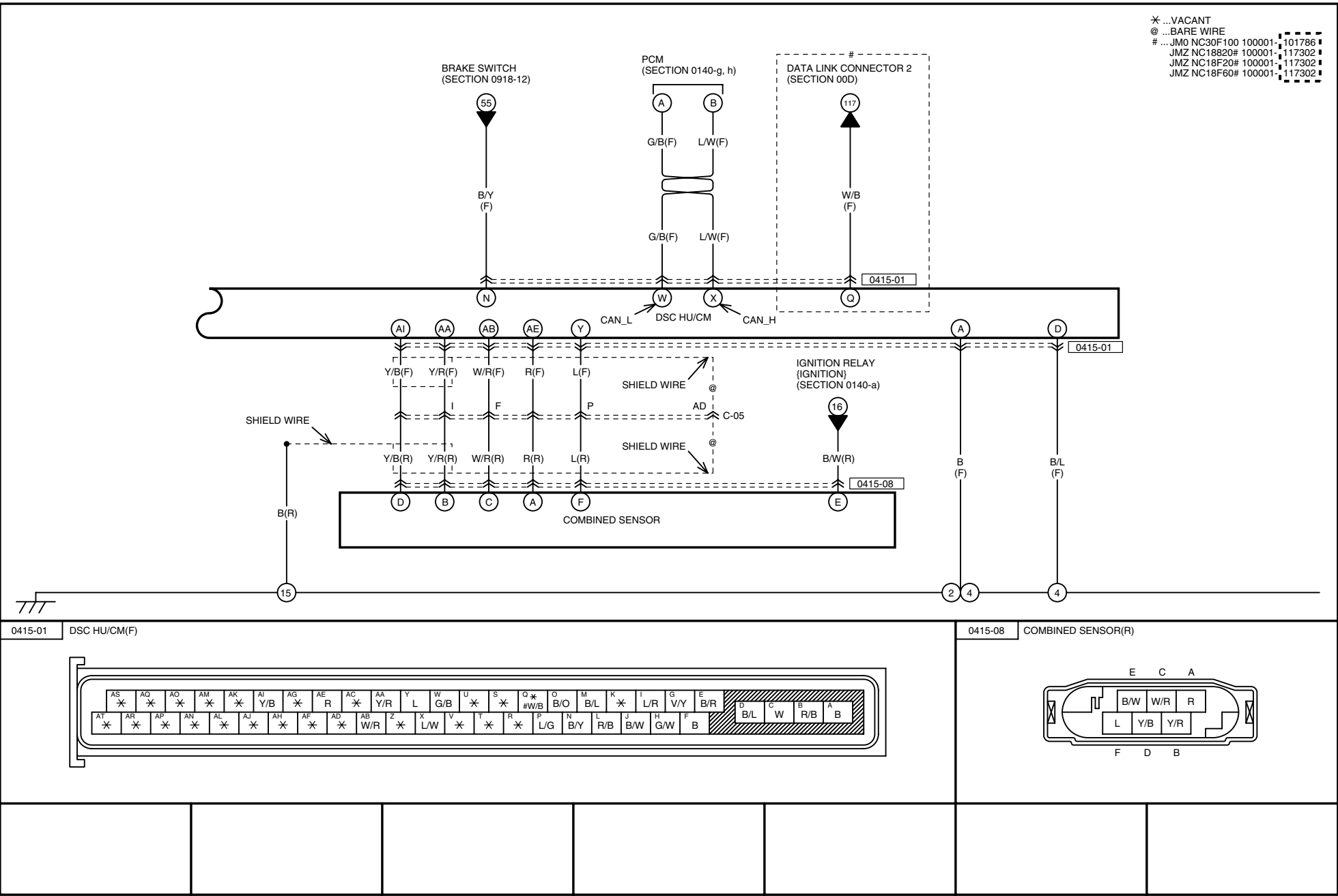
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## Mazda MX-5 Wiring Diagram (5686-1\*-06F)

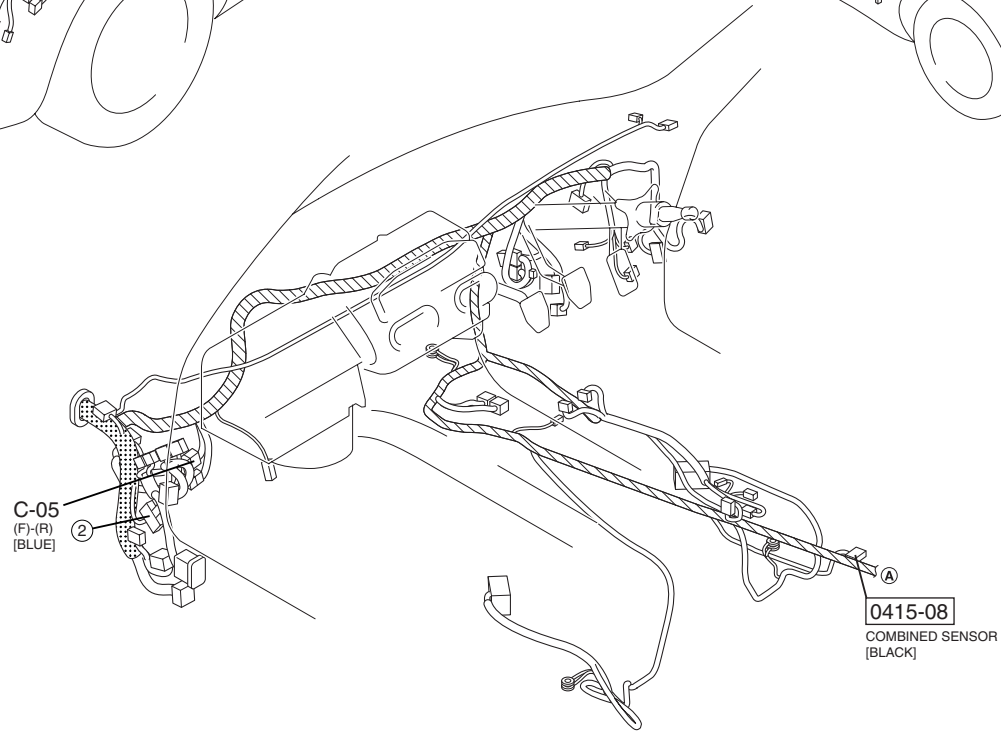
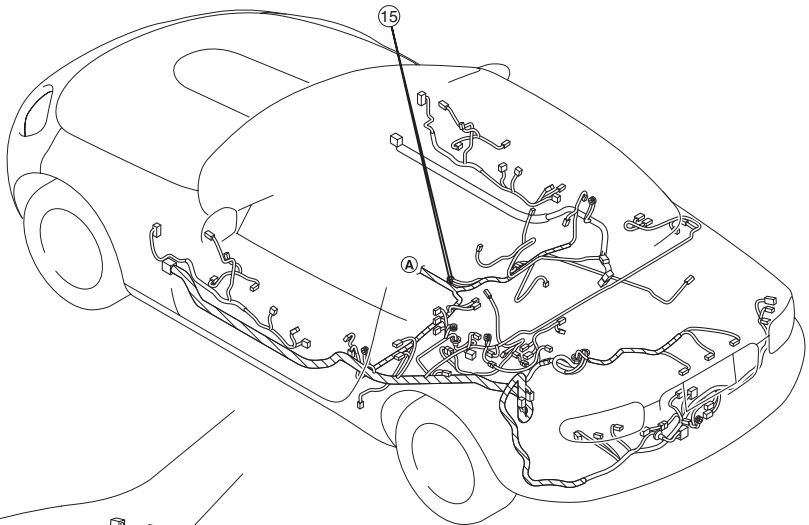
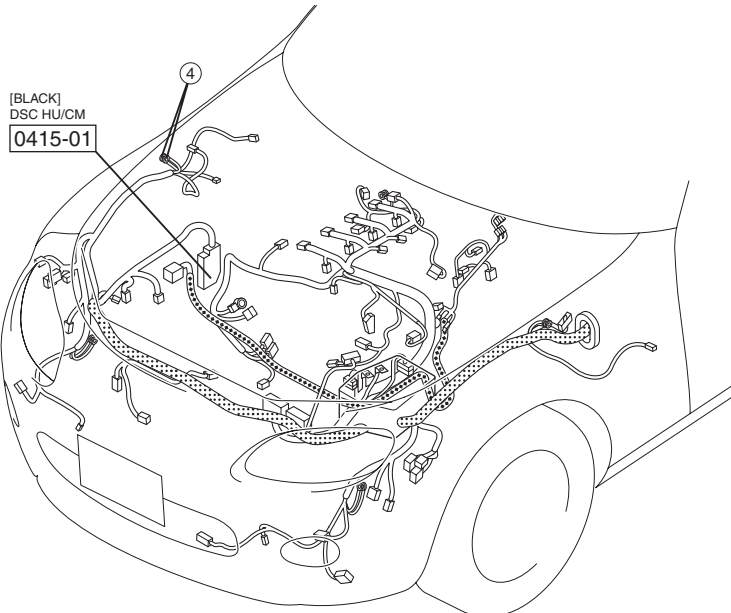
HARNESS SYMBOL:  (F)  (E)  (R)



\* ...VACANT  
@ ...BARE WIRE  
# ...JM0 NC30F100 100001-101786  
JMZ NC18820# 100001-117302  
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JMZ NC18F60# 100001-117302

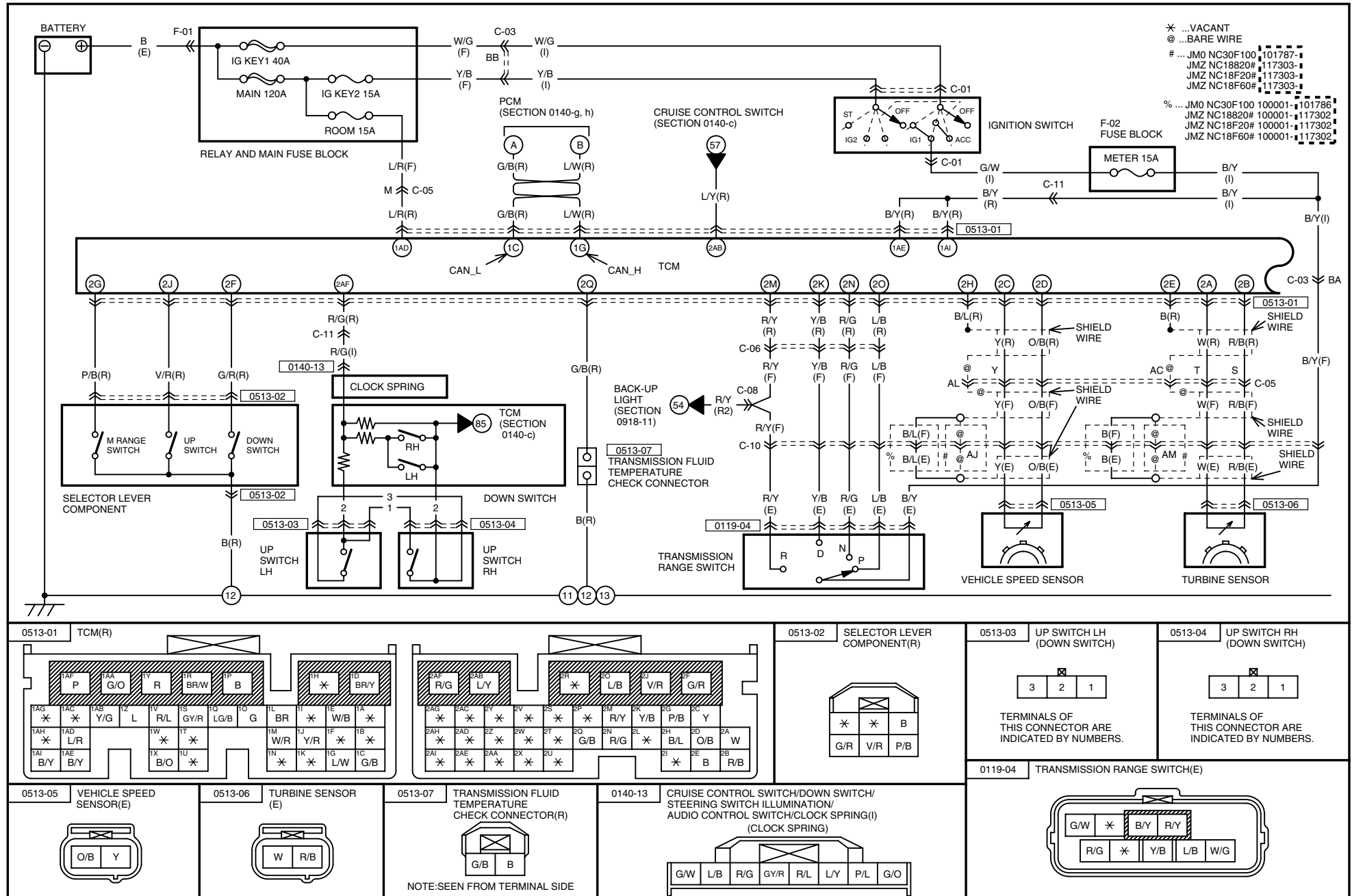


HARNESS SYMBOL:  (F)  (E)  (R)

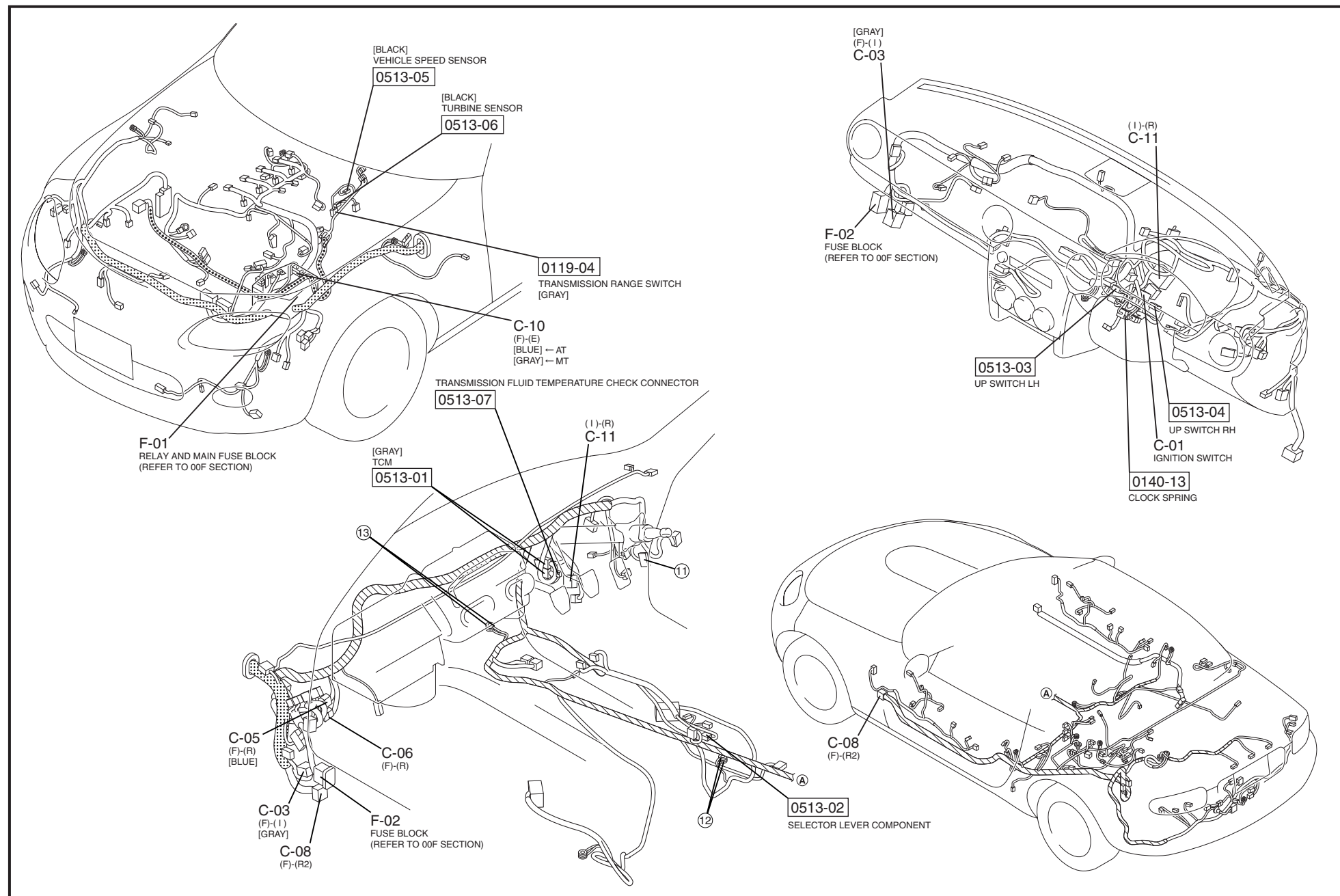


# AUTOMATIC TRANSMISSION CONTROL SYSTEM

0513-a



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

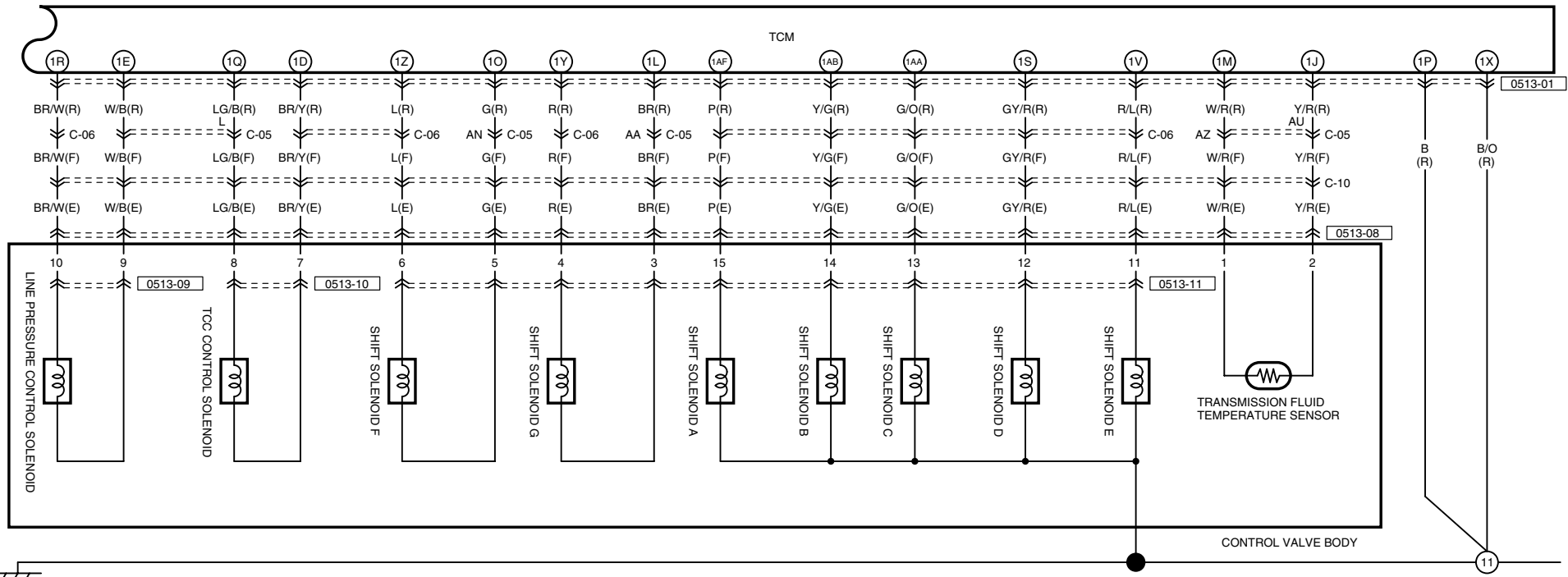


05 TRANSMISSION/TRANSAXLE  
13 AUTOMATIC TRANSMISSION

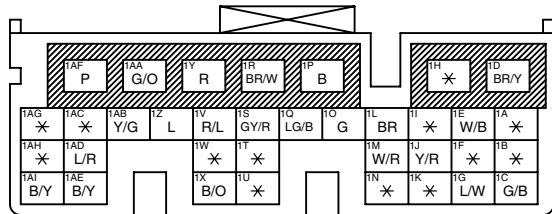
0513-a



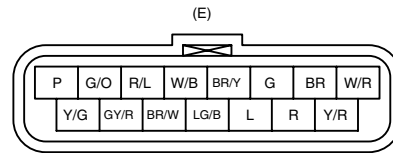
\* ...VACANT



0513-01 TCM(R)



0513-08 ENGINE(E)-SHORT CORD



(SHORT CORD)



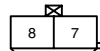
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0513-09 LINE PRESSURE CONTROL SOLENOID(SHORT CORD)



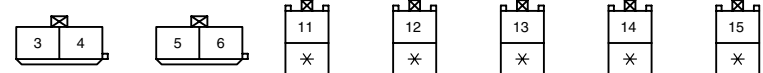
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0513-10 TCC CONTROL SOLENOID(SHORT CORD)



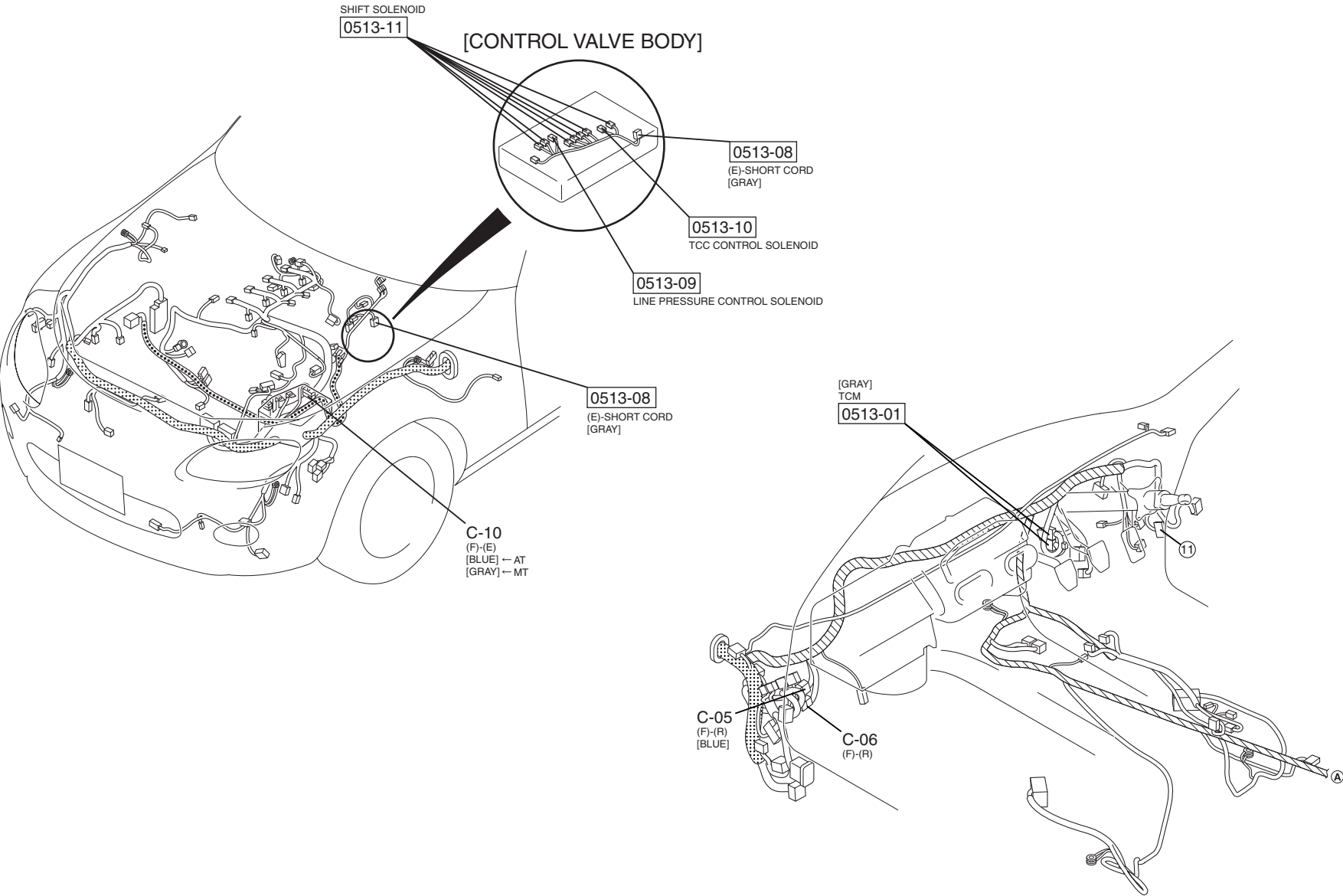
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0513-11 SHIFT SOLENOID(SHORT CORD)



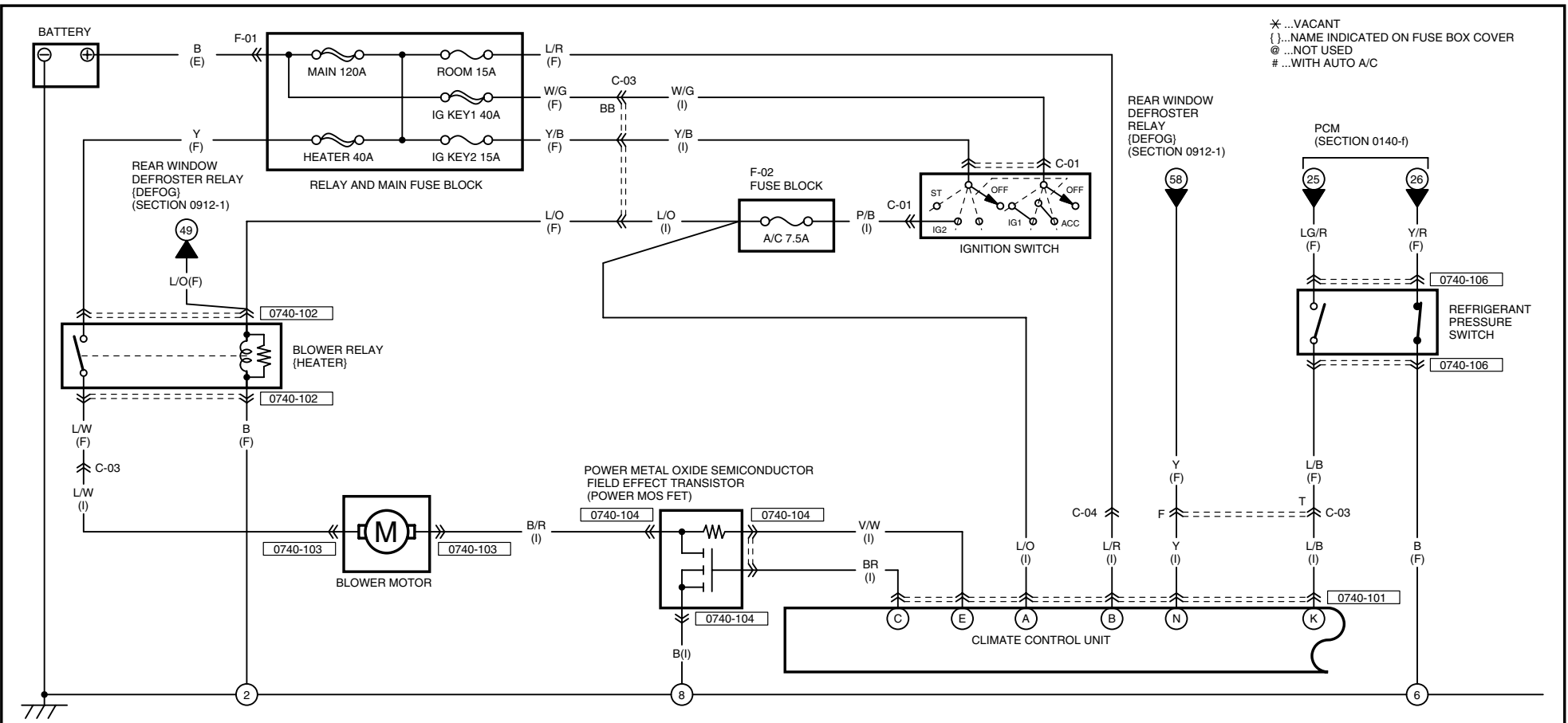
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

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



HEATER AND AIR CONDITIONER

0740-1a

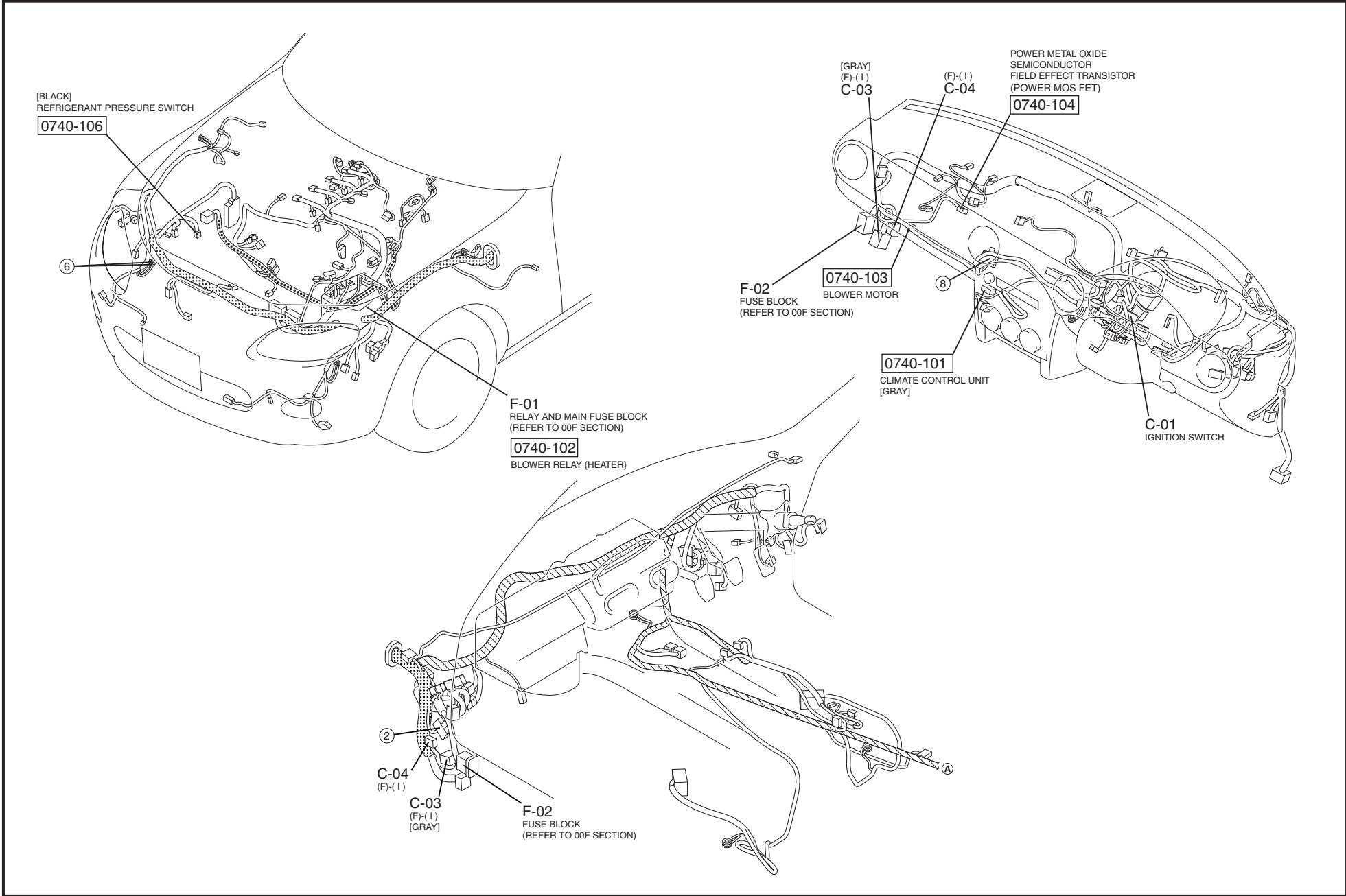


\* ...VACANT  
{ } ...NAME INDICATED ON FUSE BOX COVER  
@ ...NOT USED  
# ...WITH AUTO A/C

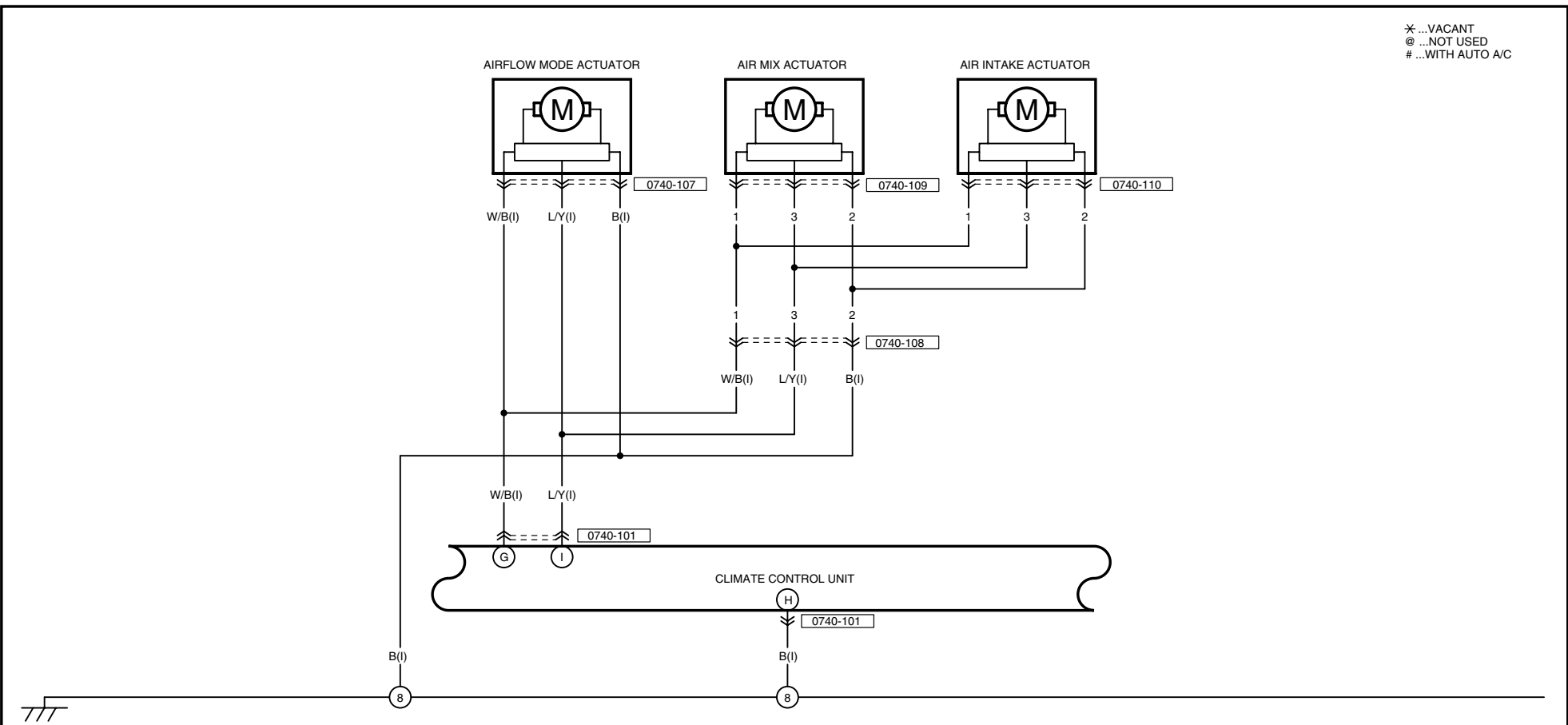
89

0740-101	CLIMATE CONTROL UNIT/ CLIMATE CONTROL UNIT ILLUMINATION(I)	0740-102	BLOWER RELAY (HEATER)(F)	0740-103	BLOWER MOTOR(I)	0740-104	POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (POWER MOS FET)(I)																																								
<table><tr><td>S</td><td>Q</td><td>O</td><td>M</td><td>K</td><td>I</td><td>G</td><td>E</td><td>C</td><td>A</td></tr><tr><td>B/W</td><td>* #G</td><td>* #R</td><td>R/W</td><td>L/B</td><td>L/Y</td><td>W/B</td><td>V/W</td><td>BR</td><td>L/O</td></tr><tr><td>* #B/Y</td><td>* #BR/W</td><td>*</td><td>Y</td><td>* #W</td><td>* @P/L</td><td>B</td><td>GY/R</td><td>R/L</td><td>L/R</td></tr><tr><td>T</td><td>R</td><td>P</td><td>N</td><td>L</td><td>J</td><td>H</td><td>F</td><td>D</td><td>B</td></tr></table>		S	Q	O	M	K	I	G	E	C	A	B/W	* #G	* #R	R/W	L/B	L/Y	W/B	V/W	BR	L/O	* #B/Y	* #BR/W	*	Y	* #W	* @P/L	B	GY/R	R/L	L/R	T	R	P	N	L	J	H	F	D	B	<div><div><div>L/W</div><div>Y</div></div><div><div>L/O</div><div>L/O</div></div><div>B</div></div> <div>FRONT</div> <div>NOTE:SEEN FROM TERMINAL SIDE</div>		<div><div>L/W</div><div>B/R</div></div>	<div><div>B/R</div><div>BR</div><div>B</div><div>V/W</div></div>		
S	Q	O	M	K	I	G	E	C	A																																						
B/W	* #G	* #R	R/W	L/B	L/Y	W/B	V/W	BR	L/O																																						
* #B/Y	* #BR/W	*	Y	* #W	* @P/L	B	GY/R	R/L	L/R																																						
T	R	P	N	L	J	H	F	D	B																																						
				0740-106	REFRIGERANT PRESSURE SWITCH(F)																																										
				<div><div><div>Y/R</div><div>L/B</div><div>LG/R</div><div>B</div></div></div>																																											

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

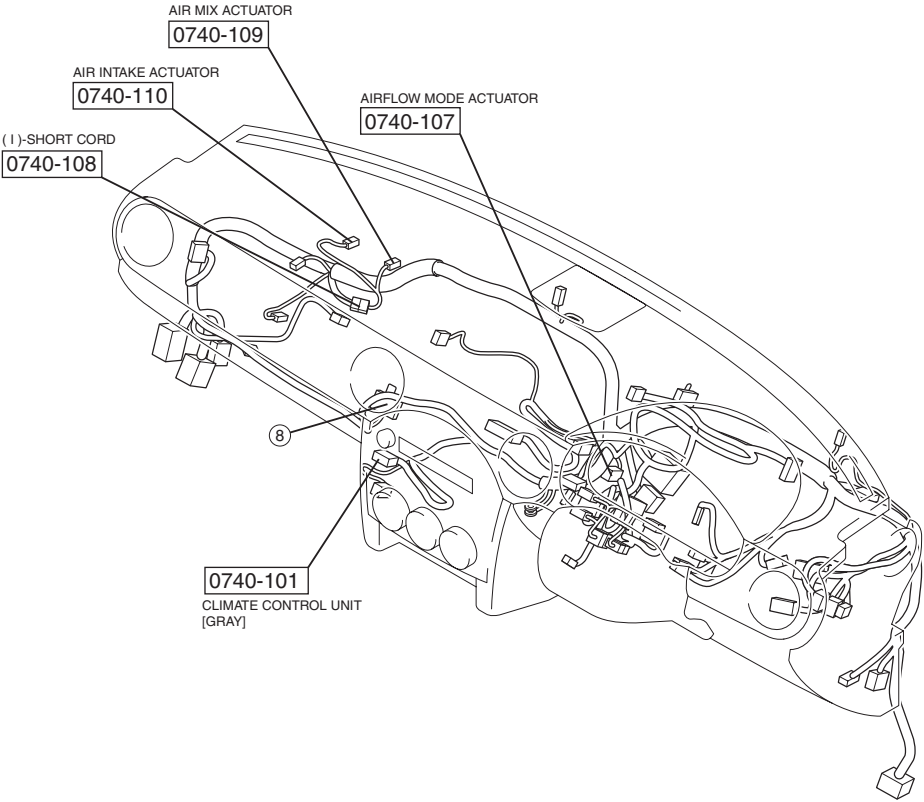


\*...VACANT  
@ ...NOT USED  
# ...WITH AUTO A/C

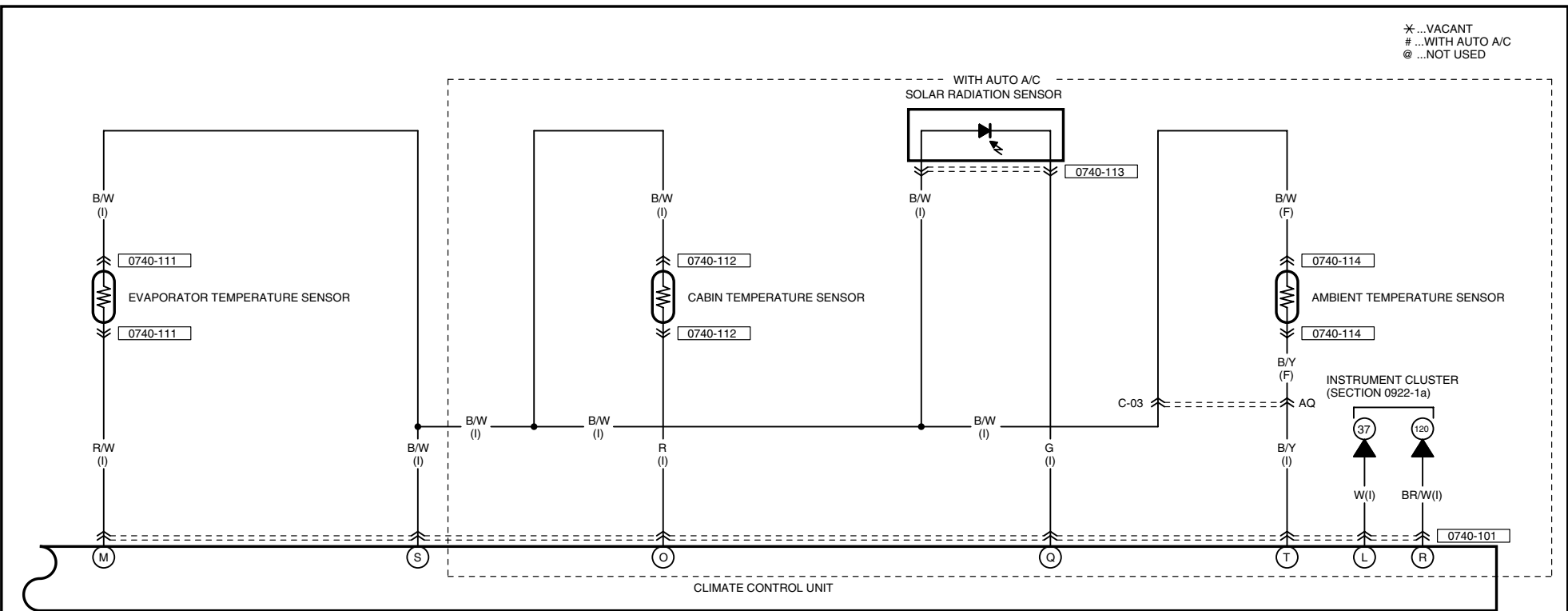


0740-101	CLIMATE CONTROL UNIT/ CLIMATE CONTROL UNIT ILLUMINATION(I)	0740-107	AIRFLOW MODE ACTUATOR(I)	0740-108	INSTRUMENT PANEL(I)-SHORT CORD	0740-109	AIR MIX ACTUATOR (SHORT CORD)	0740-110	AIR INTAKE ACTUATOR (SHORT CORD)																																																																												
<table><tr><td>S</td><td>Q</td><td>O</td><td>M</td><td>K</td><td>I</td><td>G</td><td>E</td><td>C</td><td>A</td></tr><tr><td>B/W</td><td>* #G</td><td>* #R</td><td>R/W</td><td>L/B</td><td>L/Y</td><td>W/B</td><td>V/W</td><td>BR</td><td>L/O</td></tr><tr><td>* #B/Y</td><td>* #BRW</td><td>*</td><td>Y</td><td>* #W</td><td>* @P/L</td><td>B</td><td>GY/R</td><td>R/L</td><td>L/R</td></tr><tr><td>T</td><td>R</td><td>P</td><td>N</td><td>L</td><td>J</td><td>H</td><td>F</td><td>D</td><td>B</td></tr></table>		S	Q	O	M	K	I	G	E	C	A	B/W	* #G	* #R	R/W	L/B	L/Y	W/B	V/W	BR	L/O	* #B/Y	* #BRW	*	Y	* #W	* @P/L	B	GY/R	R/L	L/R	T	R	P	N	L	J	H	F	D	B	<table><tr><td></td></tr><tr><td>W/B</td></tr><tr><td>B</td></tr><tr><td>L/Y</td></tr></table>			W/B	B	L/Y	<table><tr><td colspan="3">(I)</td></tr><tr><td colspan="3"></td></tr><tr><td>*</td><td>L/Y</td><td>W/B</td></tr><tr><td>*</td><td>*</td><td>B</td></tr></table> <table><tr><td colspan="3">(SHORT CORD)</td></tr><tr><td colspan="3"></td></tr><tr><td>1</td><td>3</td><td>5</td></tr><tr><td>2</td><td>4</td><td>6</td></tr></table> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>		(I)						*	L/Y	W/B	*	*	B	(SHORT CORD)						1	3	5	2	4	6	<table><tr><td></td></tr><tr><td>1</td></tr><tr><td>2</td></tr><tr><td>3</td></tr></table> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>			1	2	3	<table><tr><td></td></tr><tr><td>1</td></tr><tr><td>2</td></tr><tr><td>3</td></tr></table> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>			1	2	3
S	Q	O	M	K	I	G	E	C	A																																																																												
B/W	* #G	* #R	R/W	L/B	L/Y	W/B	V/W	BR	L/O																																																																												
* #B/Y	* #BRW	*	Y	* #W	* @P/L	B	GY/R	R/L	L/R																																																																												
T	R	P	N	L	J	H	F	D	B																																																																												
W/B																																																																																					
B																																																																																					
L/Y																																																																																					
(I)																																																																																					
*	L/Y	W/B																																																																																			
*	*	B																																																																																			
(SHORT CORD)																																																																																					
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2	4	6																																																																																			
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HARNESS SYMBOL:  (F)  (E)  (R)

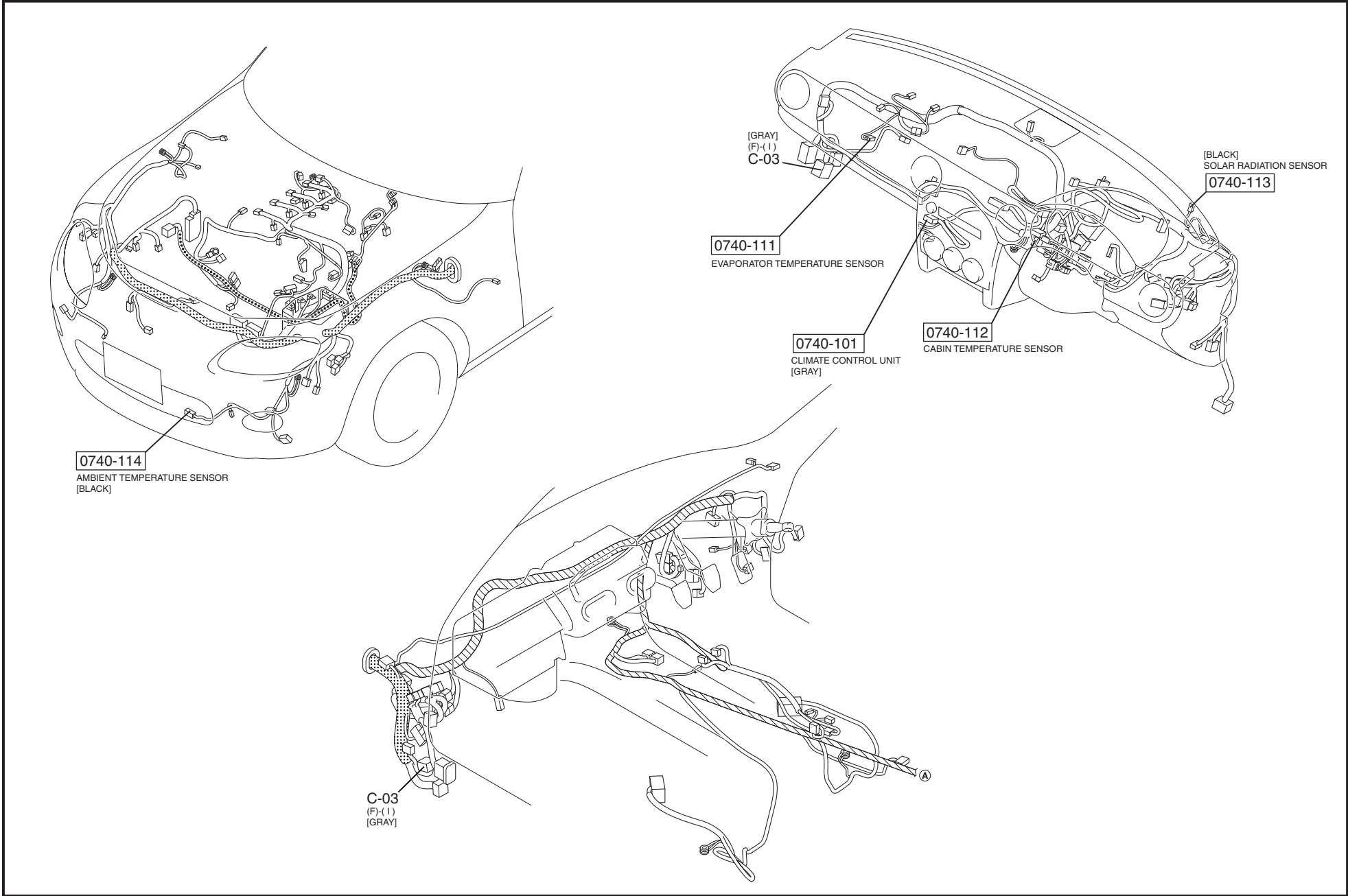


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0740-101	CLIMATE CONTROL UNIT/ CLIMATE CONTROL UNIT ILLUMINATION(I)	0740-111	EVAPORATOR TEMPERATURE SENSOR(I)	0740-112	CABIN TEMPERATURE SENSOR(I)																																									
<table><tr><td>S</td><td>Q</td><td>O</td><td>M</td><td>K</td><td>I</td><td>G</td><td>E</td><td>C</td><td>A</td></tr><tr><td>B/W</td><td>* #G</td><td>* #R</td><td>R/W</td><td>L/B</td><td>L/Y</td><td>W/B</td><td>V/W</td><td>BR</td><td>L/O</td></tr><tr><td>* #B/Y</td><td>* #BRW</td><td>*</td><td>Y</td><td>* #W</td><td>* @P/L</td><td>B</td><td>GY/R</td><td>R/L</td><td>L/R</td></tr><tr><td>T</td><td>R</td><td>P</td><td>N</td><td>L</td><td>J</td><td>H</td><td>F</td><td>D</td><td>B</td></tr></table>		S	Q	O	M	K	I	G	E	C	A	B/W	* #G	* #R	R/W	L/B	L/Y	W/B	V/W	BR	L/O	* #B/Y	* #BRW	*	Y	* #W	* @P/L	B	GY/R	R/L	L/R	T	R	P	N	L	J	H	F	D	B					
S	Q	O	M	K	I	G	E	C	A																																					
B/W	* #G	* #R	R/W	L/B	L/Y	W/B	V/W	BR	L/O																																					
* #B/Y	* #BRW	*	Y	* #W	* @P/L	B	GY/R	R/L	L/R																																					
T	R	P	N	L	J	H	F	D	B																																					
		0740-113	SOLAR RADIATION SENSOR(I)	0740-114	AMBIENT TEMPERATURE SENSOR(F)																																									

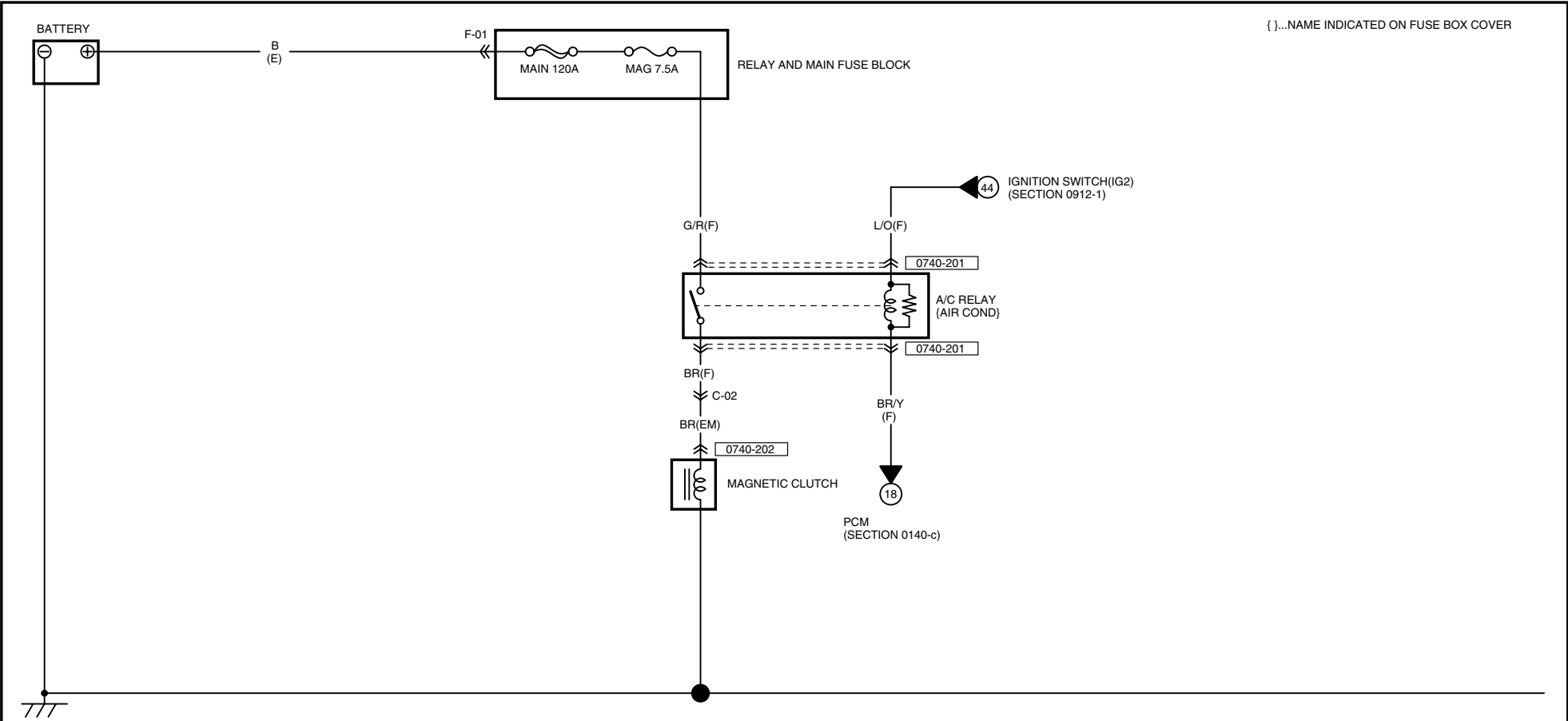
HARNESS SYMBOL:  (F)  (E)  (R)





MAGNETIC CLUTCH CONTROL SYSTEM

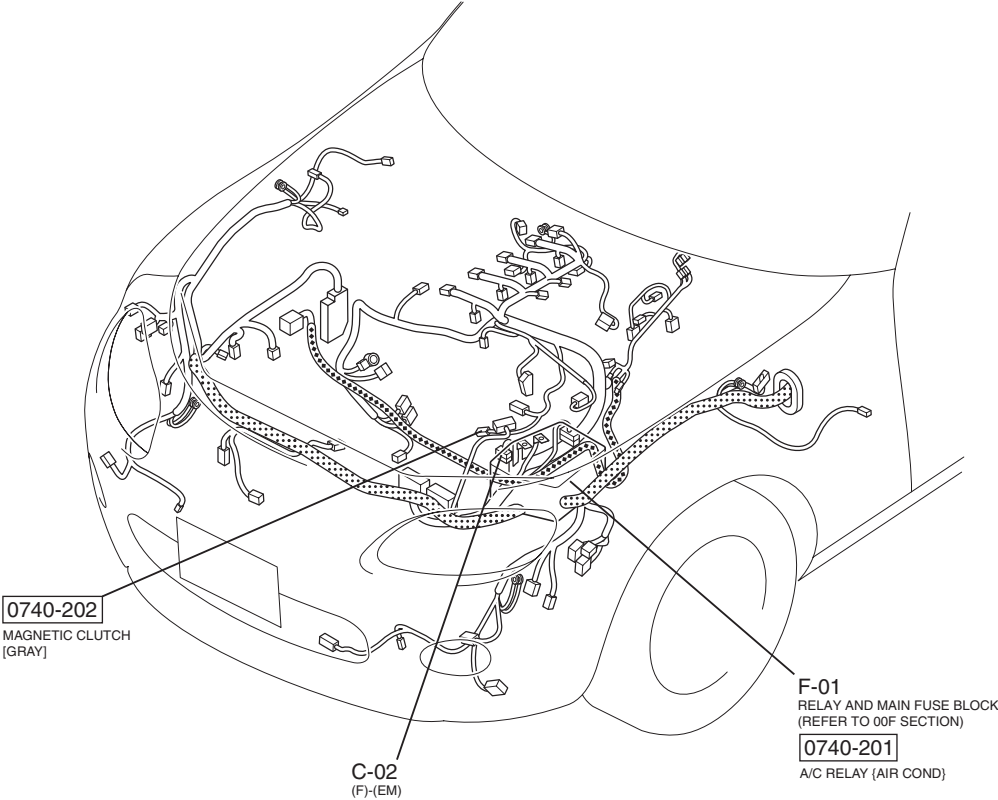
0740-2

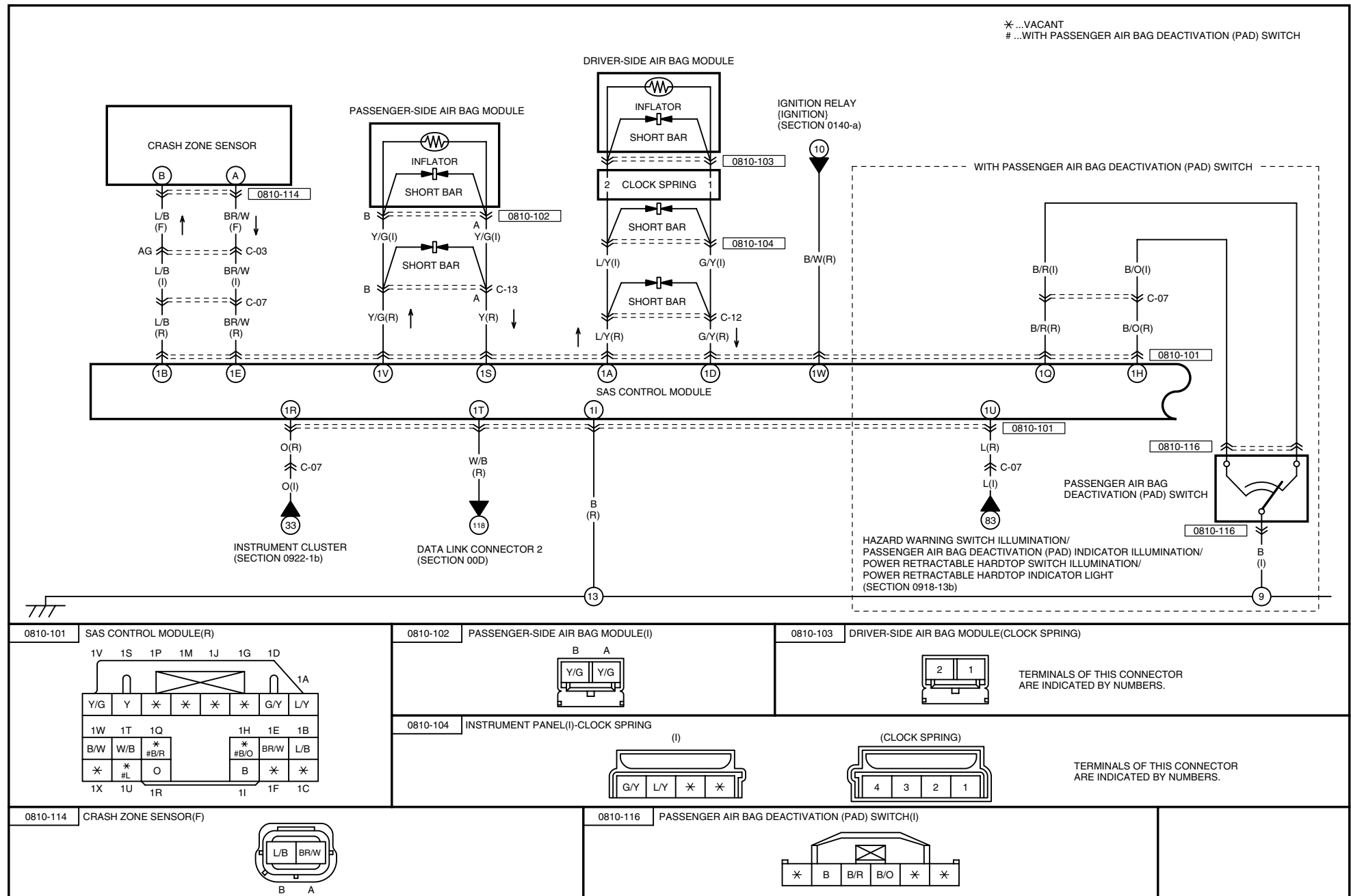


0740-201	A/C RELAY{AIR COND}(F)	0740-202	MAGNETIC CLUTCH(EM)			
<div><div><div>BR/Y</div><div><div><div>X</div></div></div><div>L/O</div></div><div><div><div>G/R</div><div>BR</div></div></div><div><div>↓</div><div>FRONT</div></div><div>NOTE:SEEN FROM TERMINAL SIDE</div></div>		<div><div><div><div></div><div>BR</div></div></div></div>				

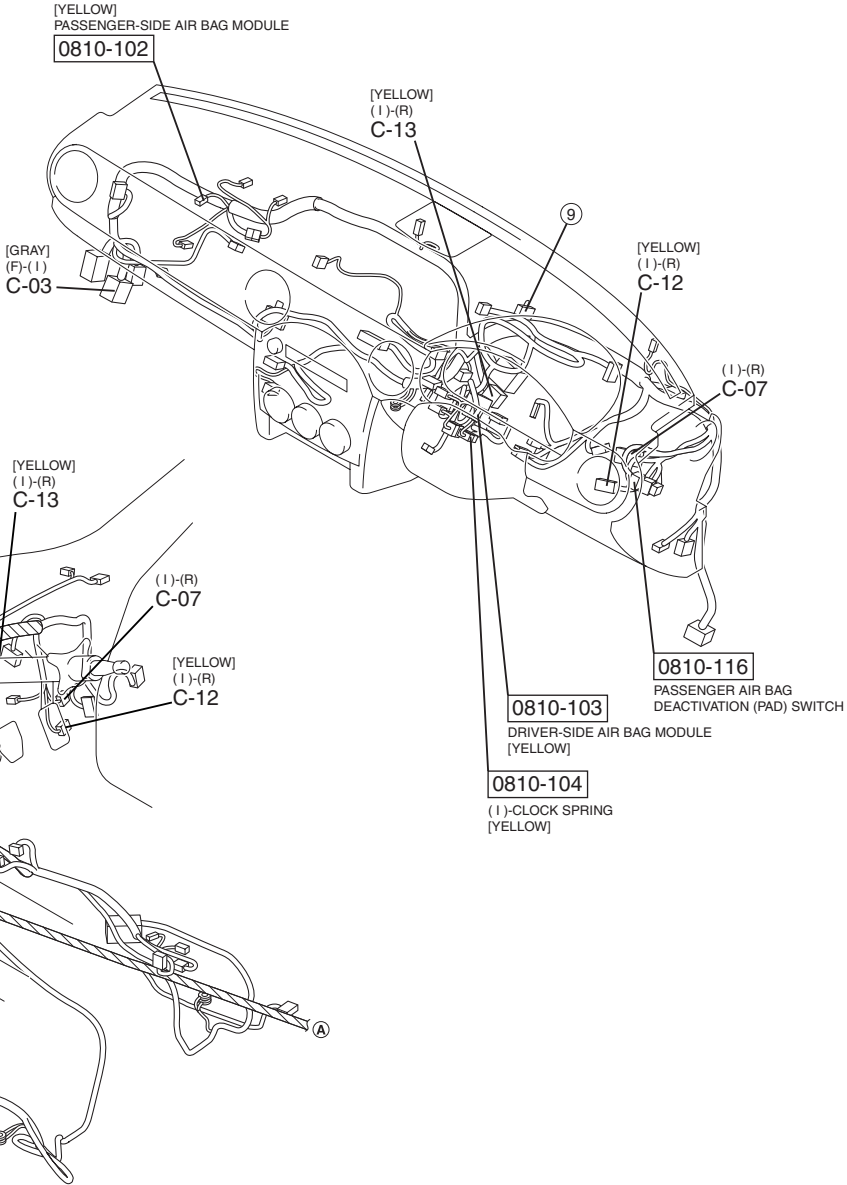
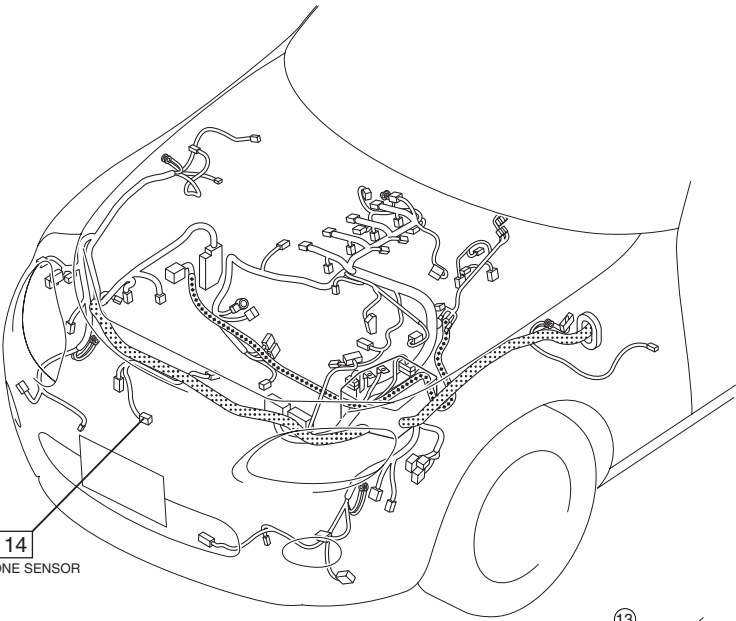
HARNESS SYMBOL:  (F)  (E)  (R)

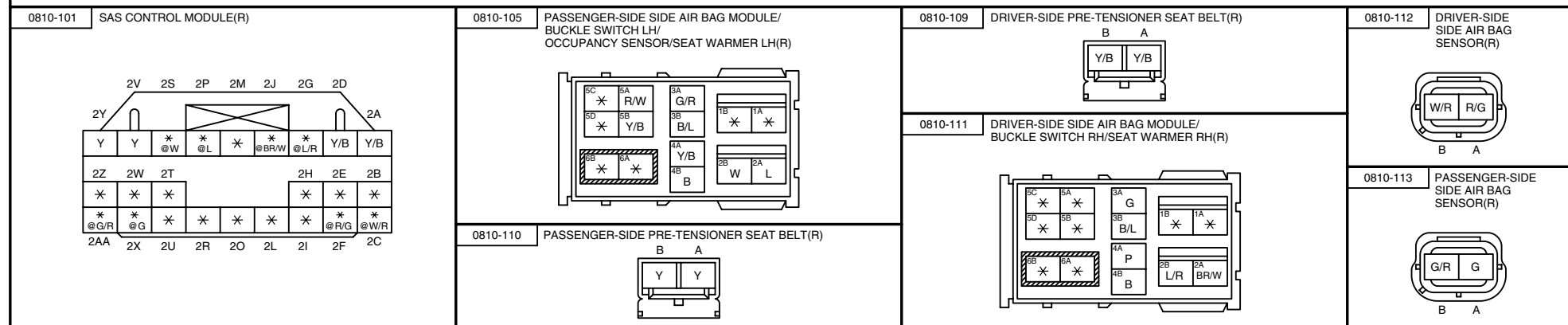
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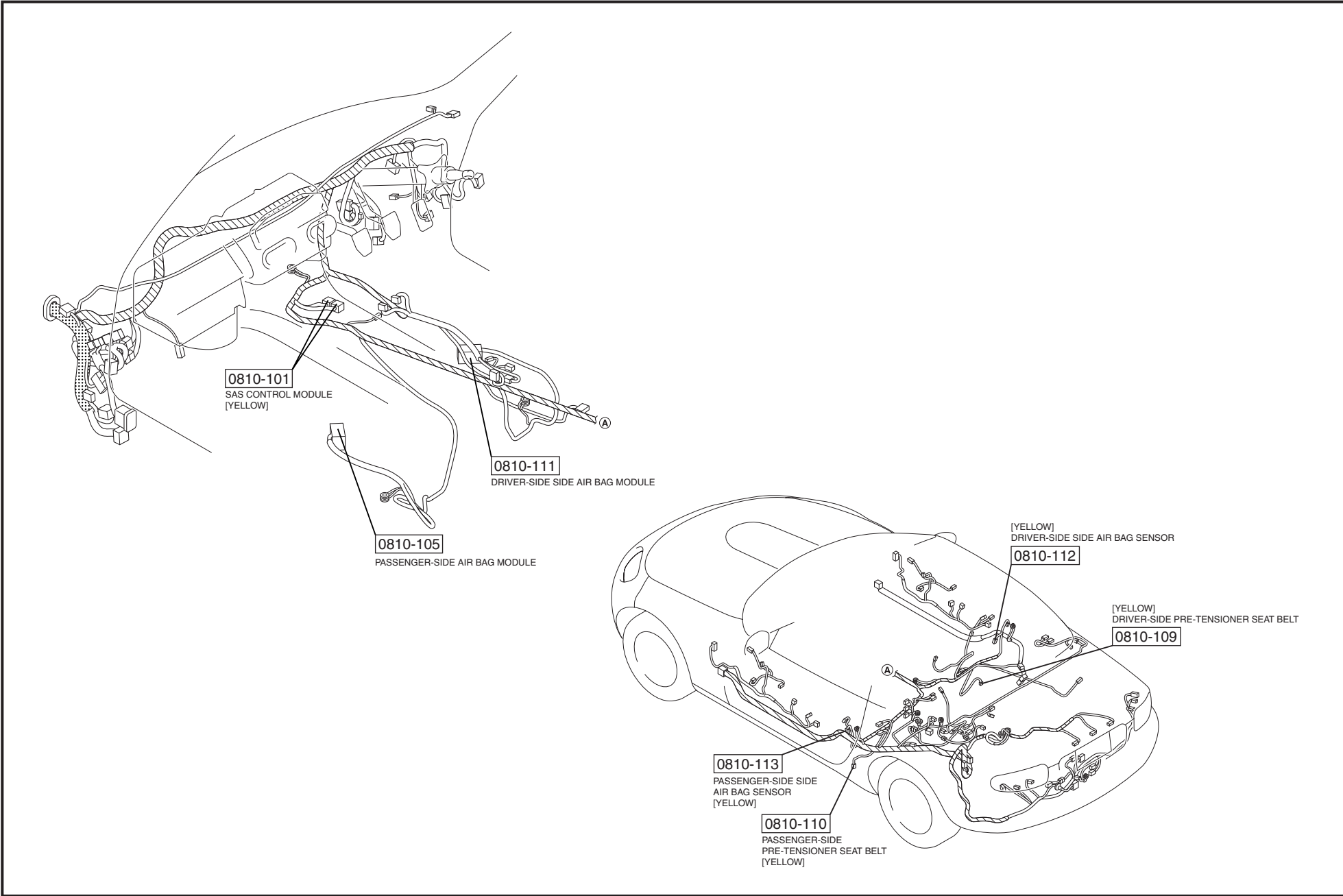
HARNESS SYMBOL:  (F)  (E)  (R)





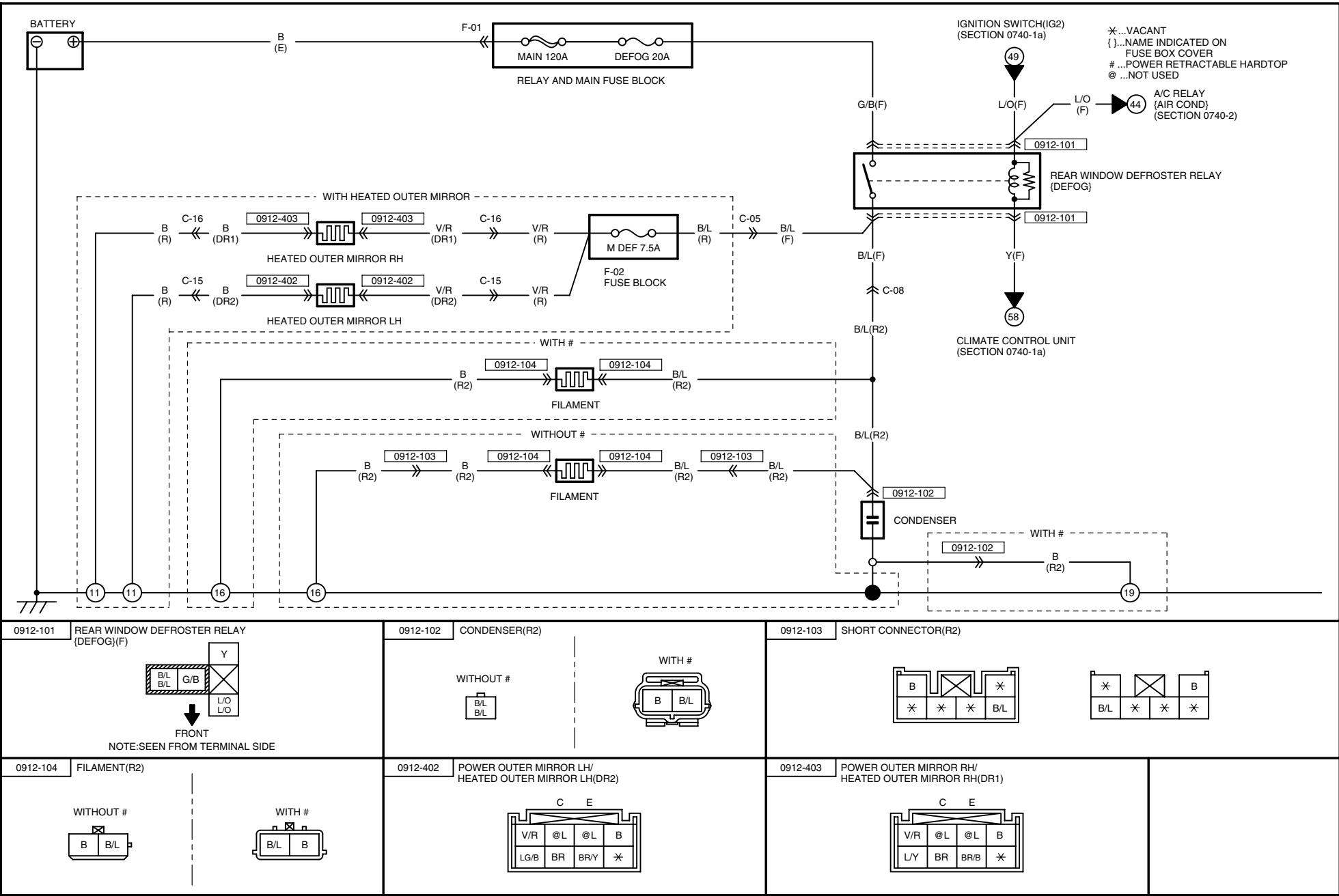
HARNESS SYMBOL:  (F)  (E)  (R)

79



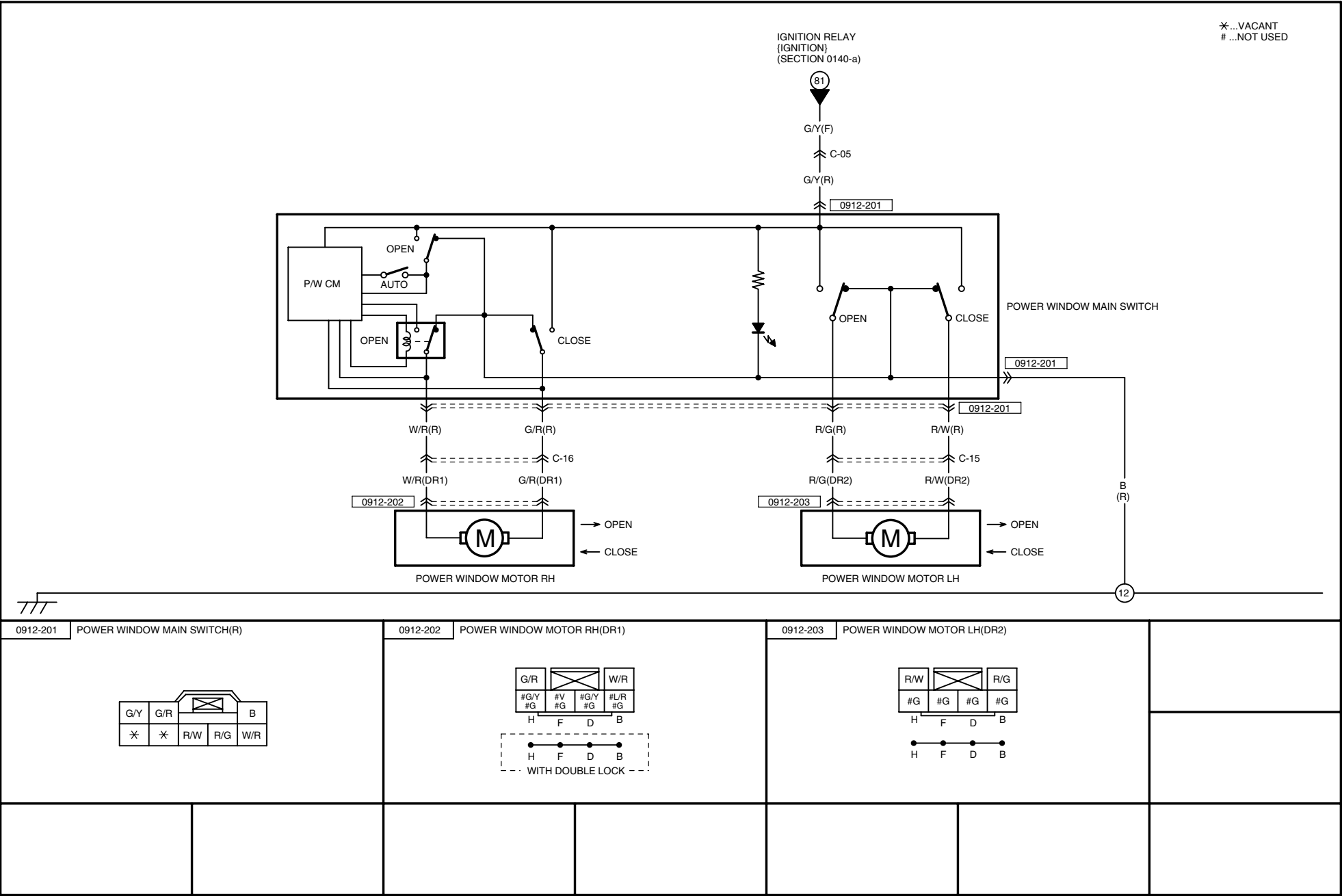
REAR WINDOW DEFROSTER (INCLUDES HEATED OUTER MIRROR INFORMATION)

0912-1

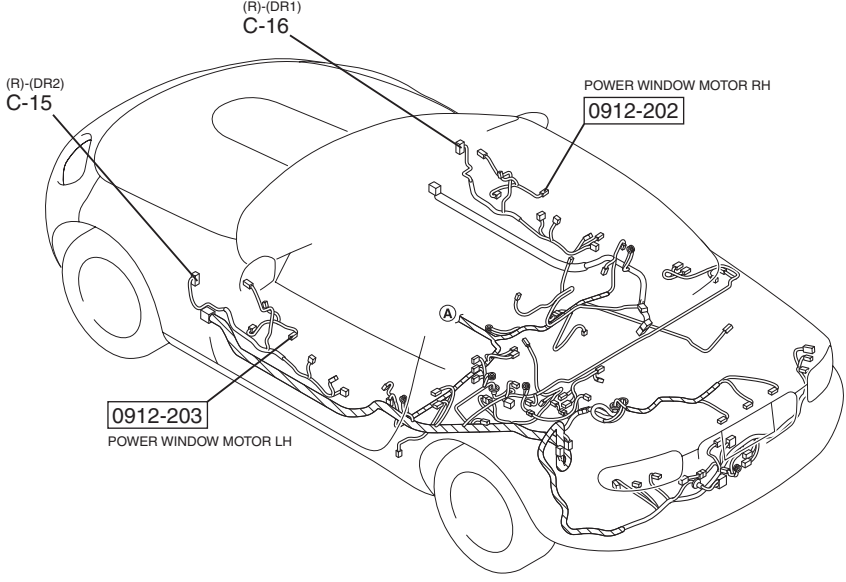
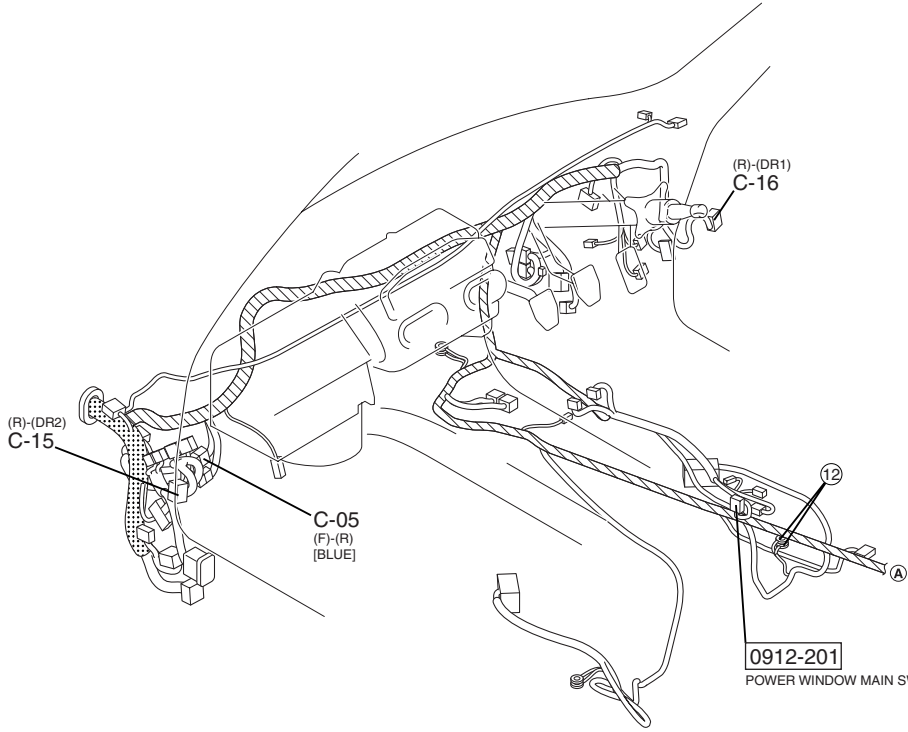




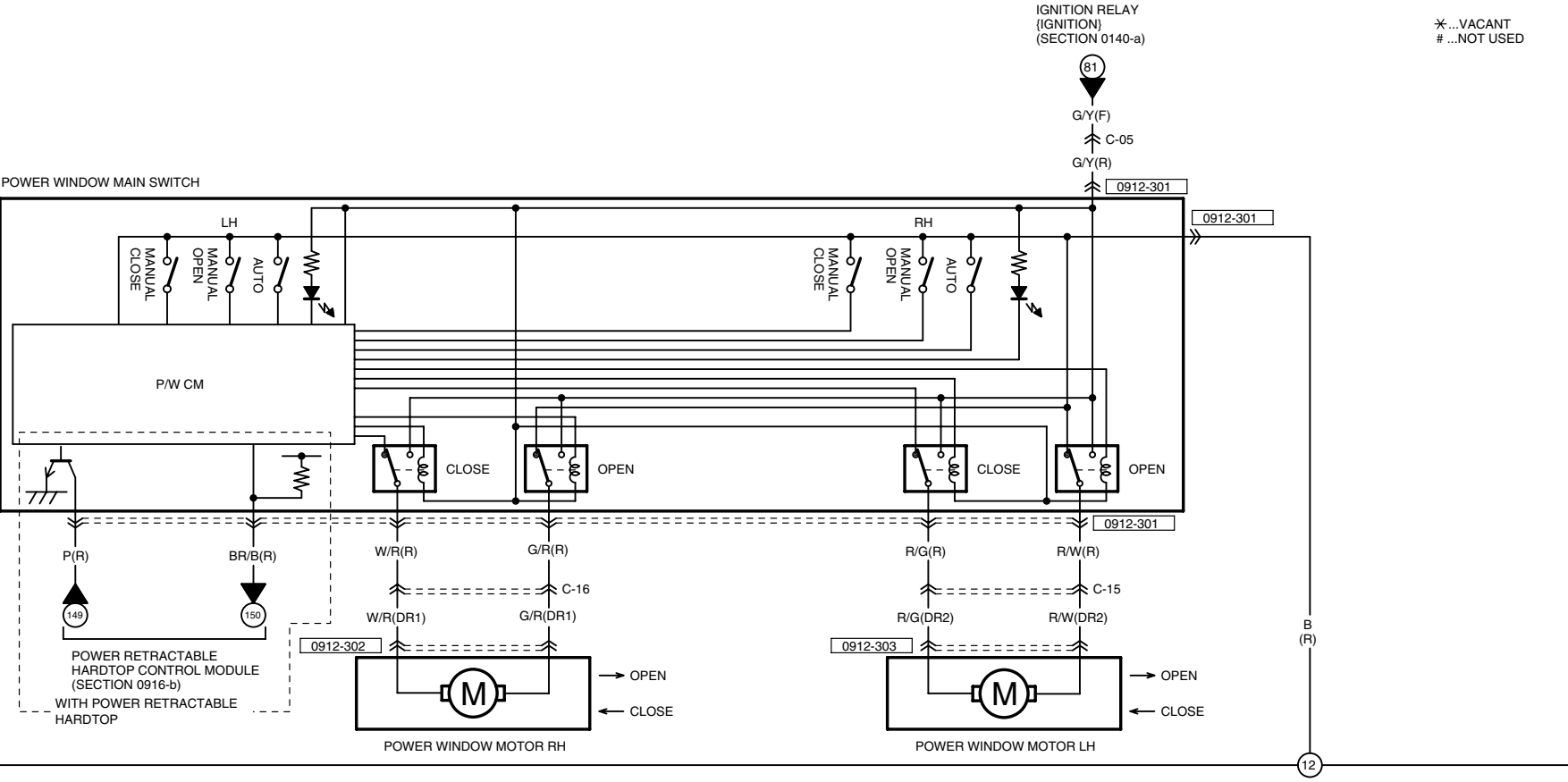













HARNESS SYMBOL:  (F)  (E)  (R)

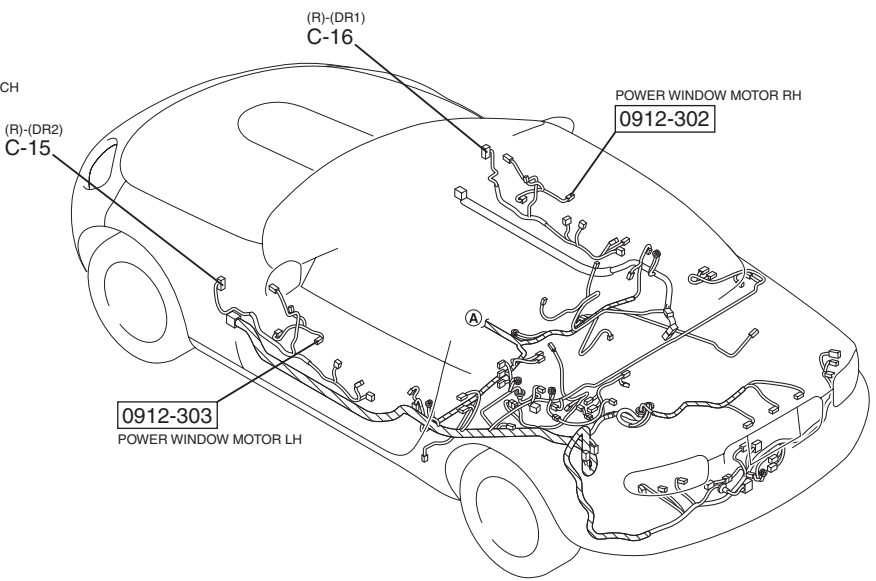
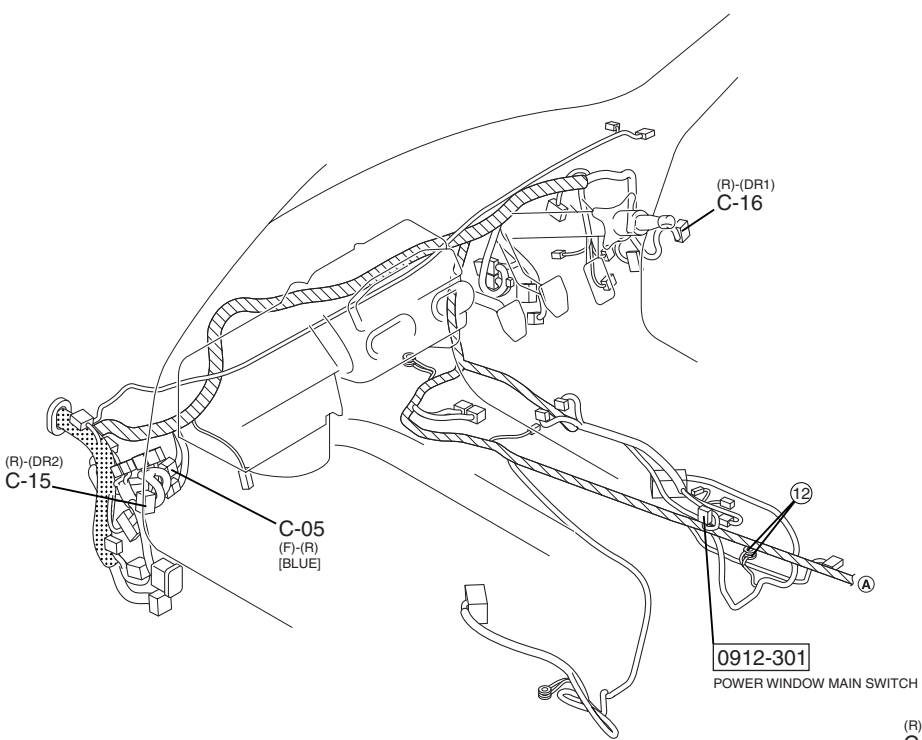


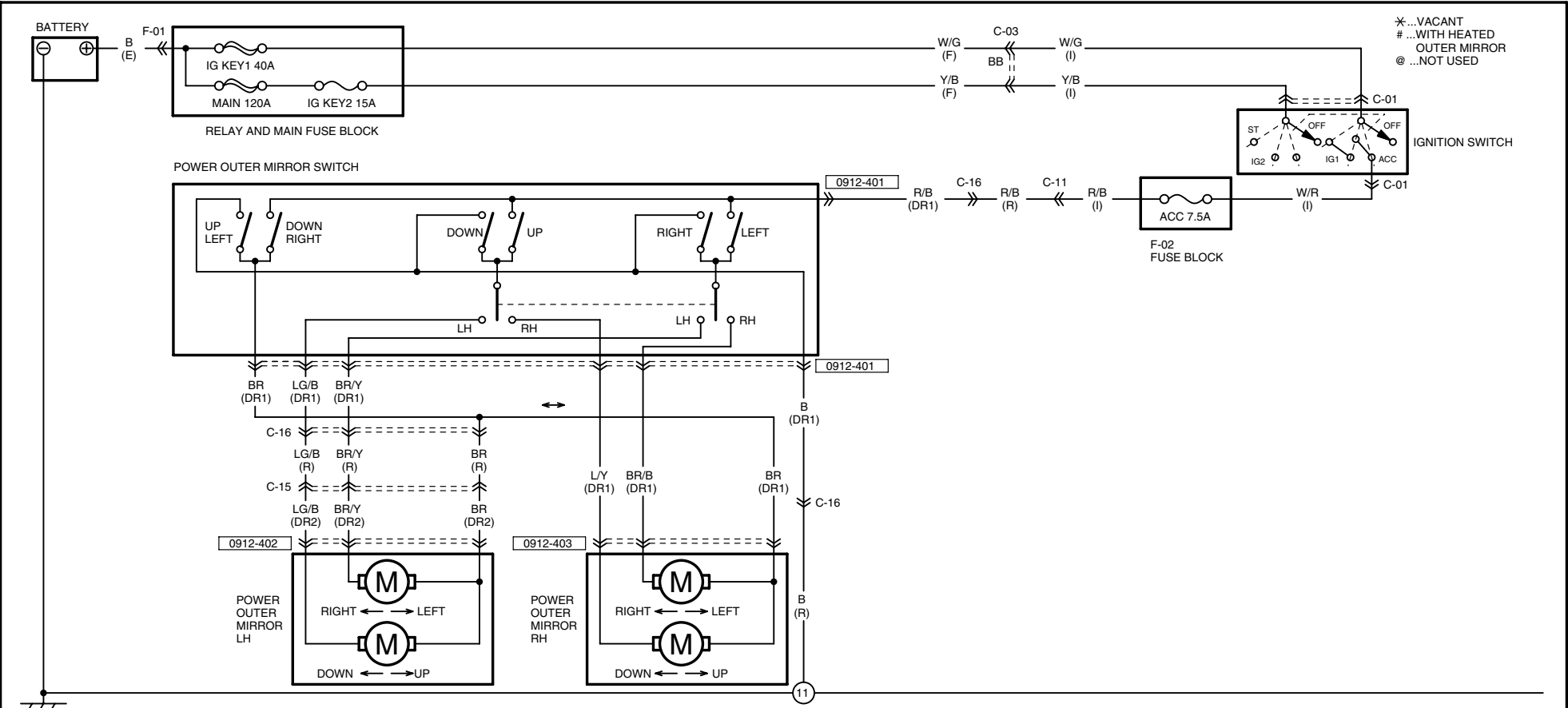
POWER WINDOW SYSTEM (AUSTRALIAN SPECS., U.K. SPECS. WITH POWER RETRACTABLE HARDTOP) 0912-3



0912-301	POWER WINDOW MAIN SWITCH(R)	0912-302	POWER WINDOW MOTOR RH(DR1)	0912-303	POWER WINDOW MOTOR LH(DR2)																																	
<table><tr><td>R/W</td><td>B</td><td colspan="2"></td><td>BR/B</td></tr><tr><td>R/G</td><td>P</td><td>W/R</td><td>G/R</td><td>G/Y</td></tr></table>		R/W	B			BR/B	R/G	P	W/R	G/R	G/Y	<table><tr><td>G/R</td><td></td><td>W/R</td></tr><tr><td>#G/Y #G</td><td>#V #G</td><td>#G/Y #G</td><td>#L/R #G</td></tr><tr><td>H</td><td>F</td><td>D</td><td>B</td></tr></table> <div><div></div><div>H</div><div>F</div><div>D</div><div>B</div></div> <p>--- WITH DOUBLE LOCK ---</p>		G/R		W/R	#G/Y #G	#V #G	#G/Y #G	#L/R #G	H	F	D	B	<table><tr><td>R/W</td><td></td><td>R/G</td></tr><tr><td>#G</td><td>#G</td><td>#G</td><td>#G</td></tr><tr><td>H</td><td>F</td><td>D</td><td>B</td></tr></table> <div><div></div><div>H</div><div>F</div><div>D</div><div>B</div></div>		R/W		R/G	#G	#G	#G	#G	H	F	D	B	
R/W	B			BR/B																																		
R/G	P	W/R	G/R	G/Y																																		
G/R		W/R																																				
#G/Y #G	#V #G	#G/Y #G	#L/R #G																																			
H	F	D	B																																			
R/W		R/G																																				
#G	#G	#G	#G																																			
H	F	D	B																																			

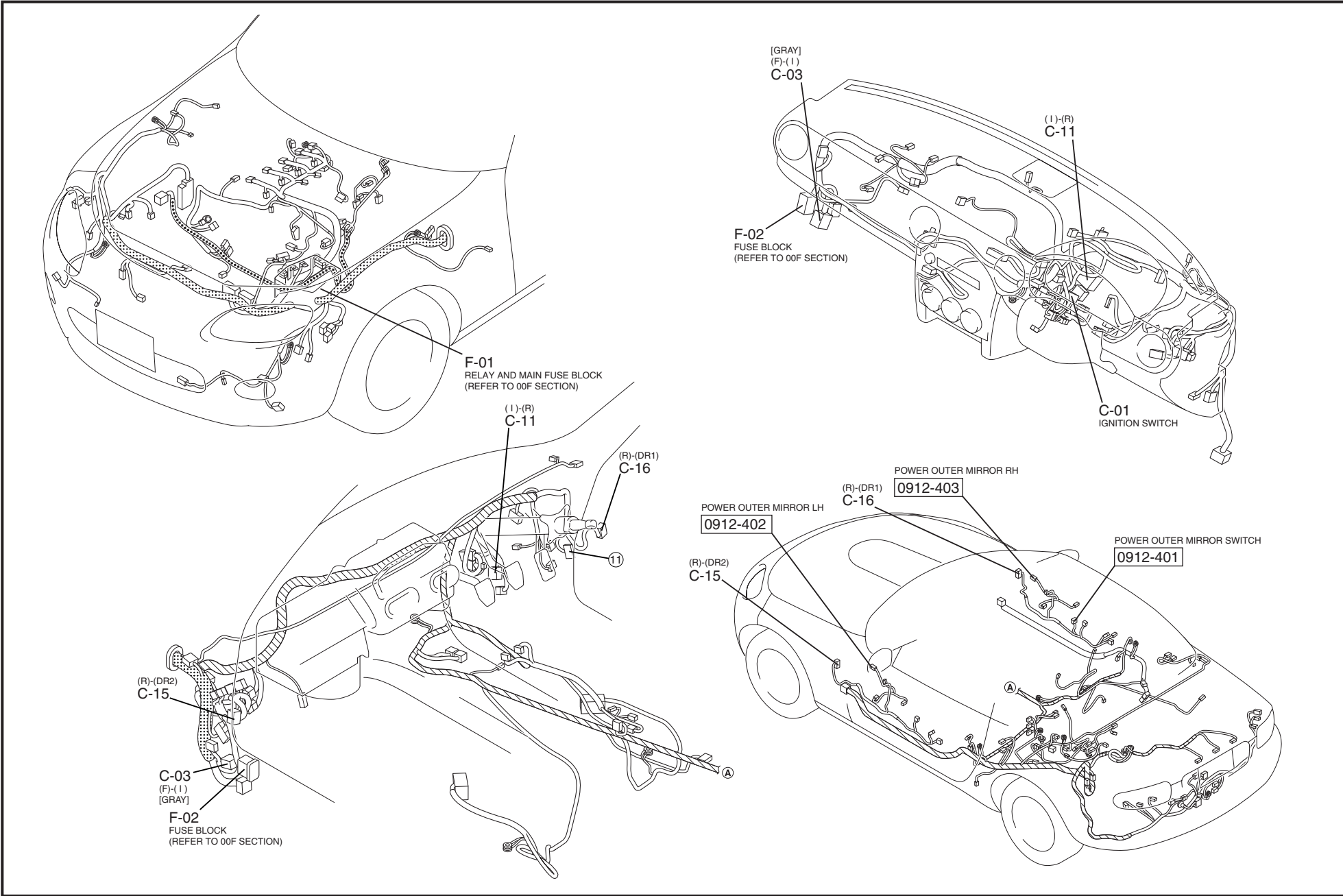
HARNESS SYMBOL:  (F)  (E)  (R)

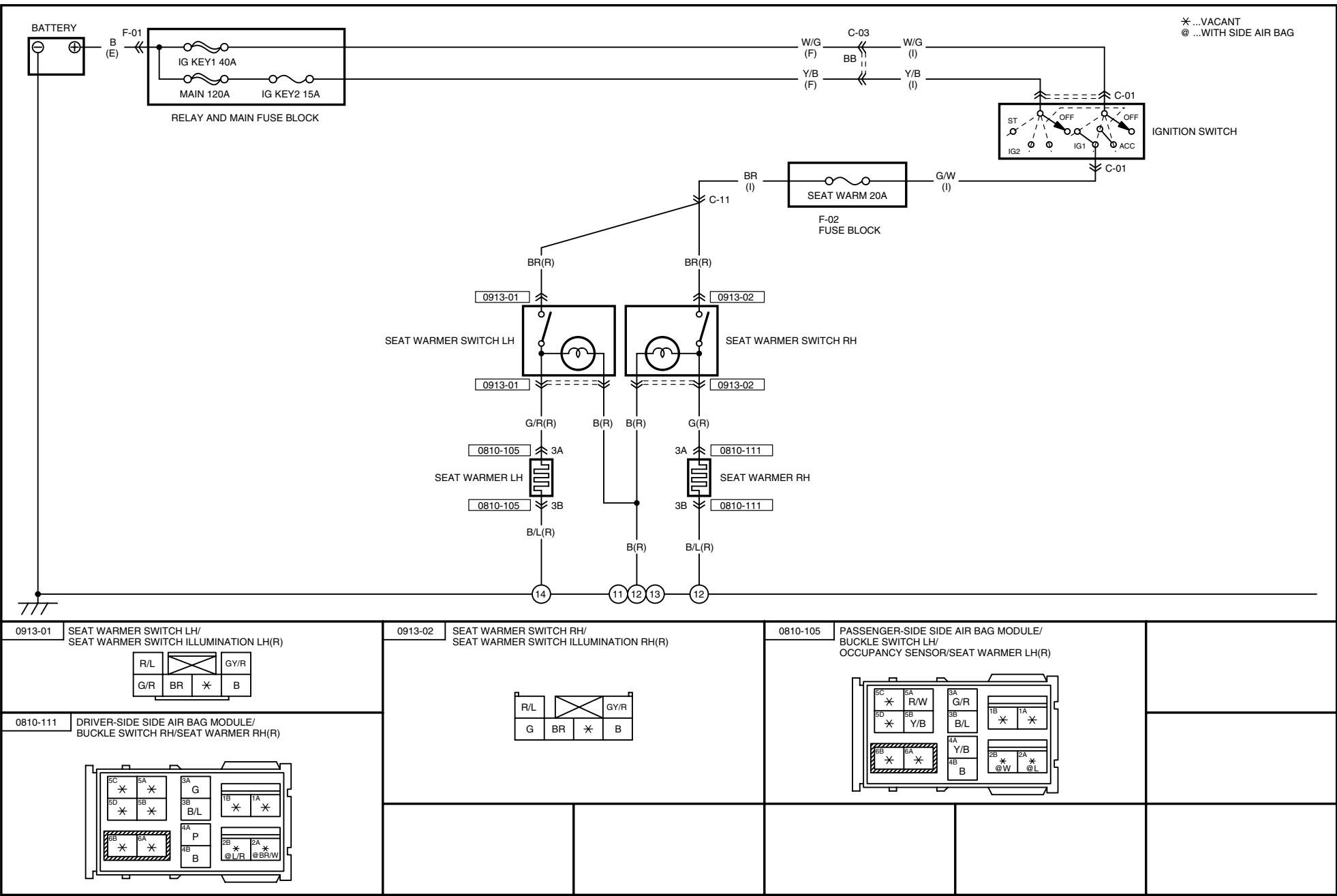




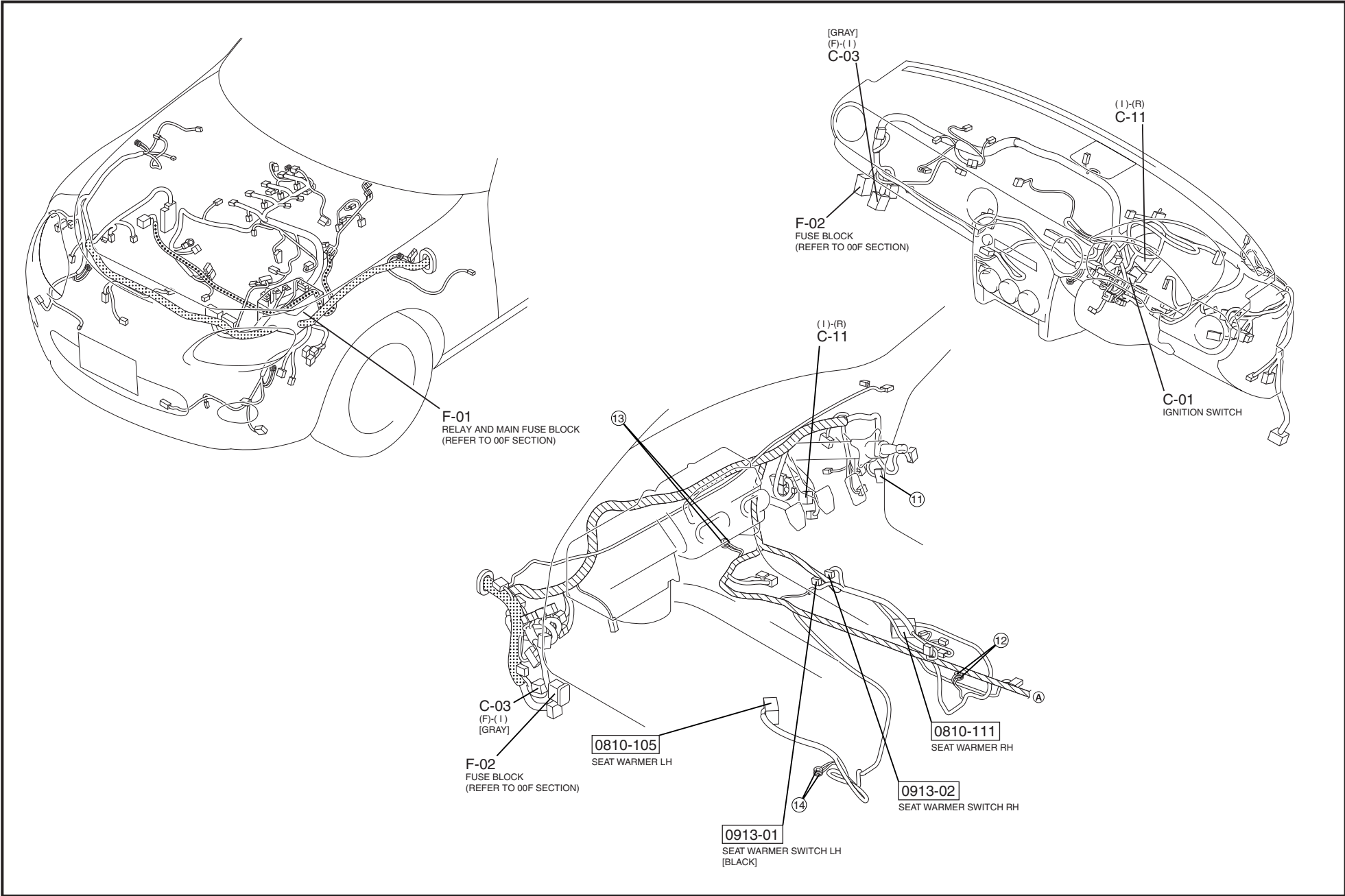
0912-401	POWER OUTER MIRROR SWITCH(DR1)	0912-402	POWER OUTER MIRROR LH/ HEATED OUTER MIRROR LH(DR2)	0912-403	POWER OUTER MIRROR RH/ HEATED OUTER MIRROR RH(DR1)	
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></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></div><div></div><div></div><div></div><div></div><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HARNESS SYMBOL:  (F)  (E)  (R)





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



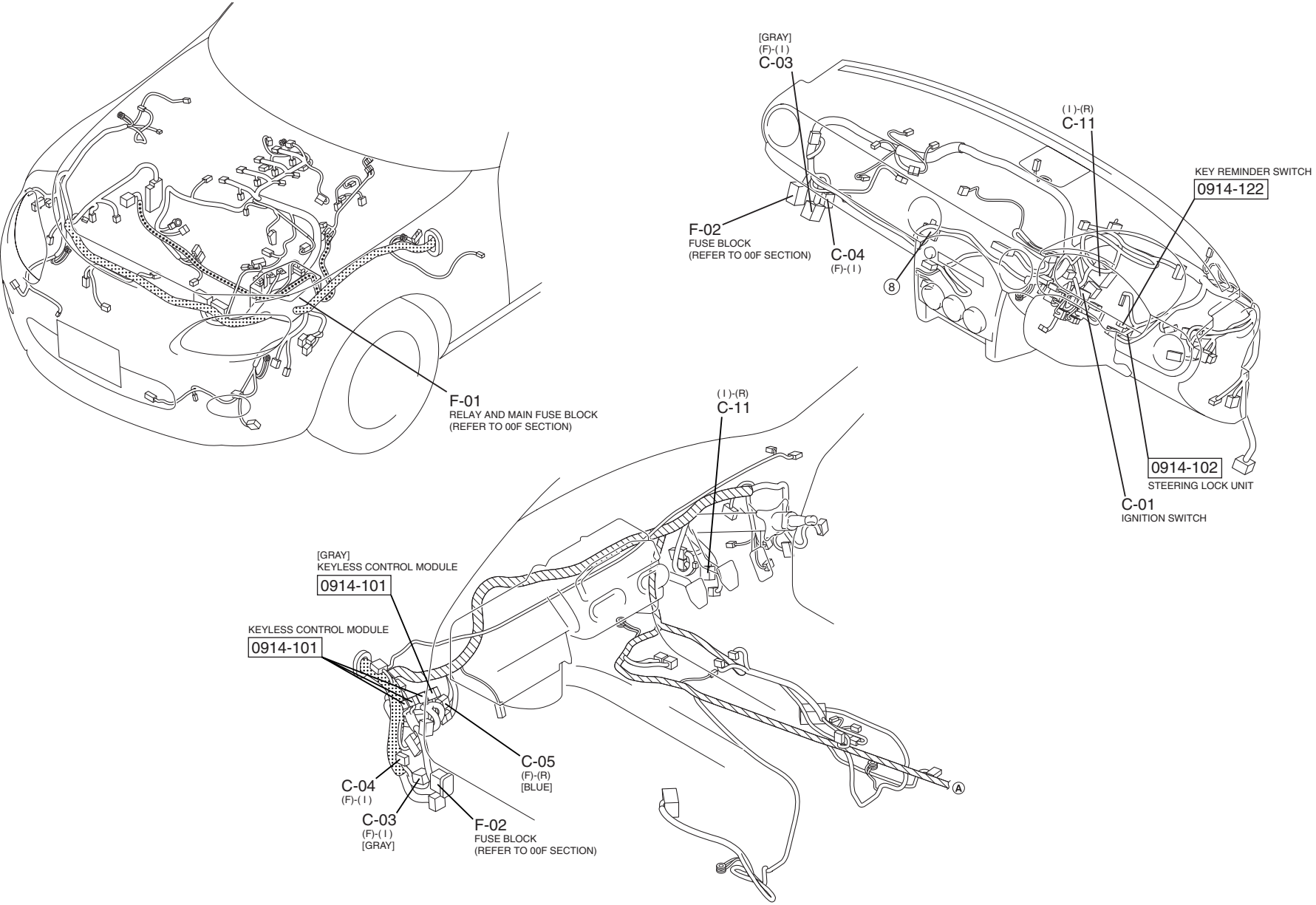


## 06

06

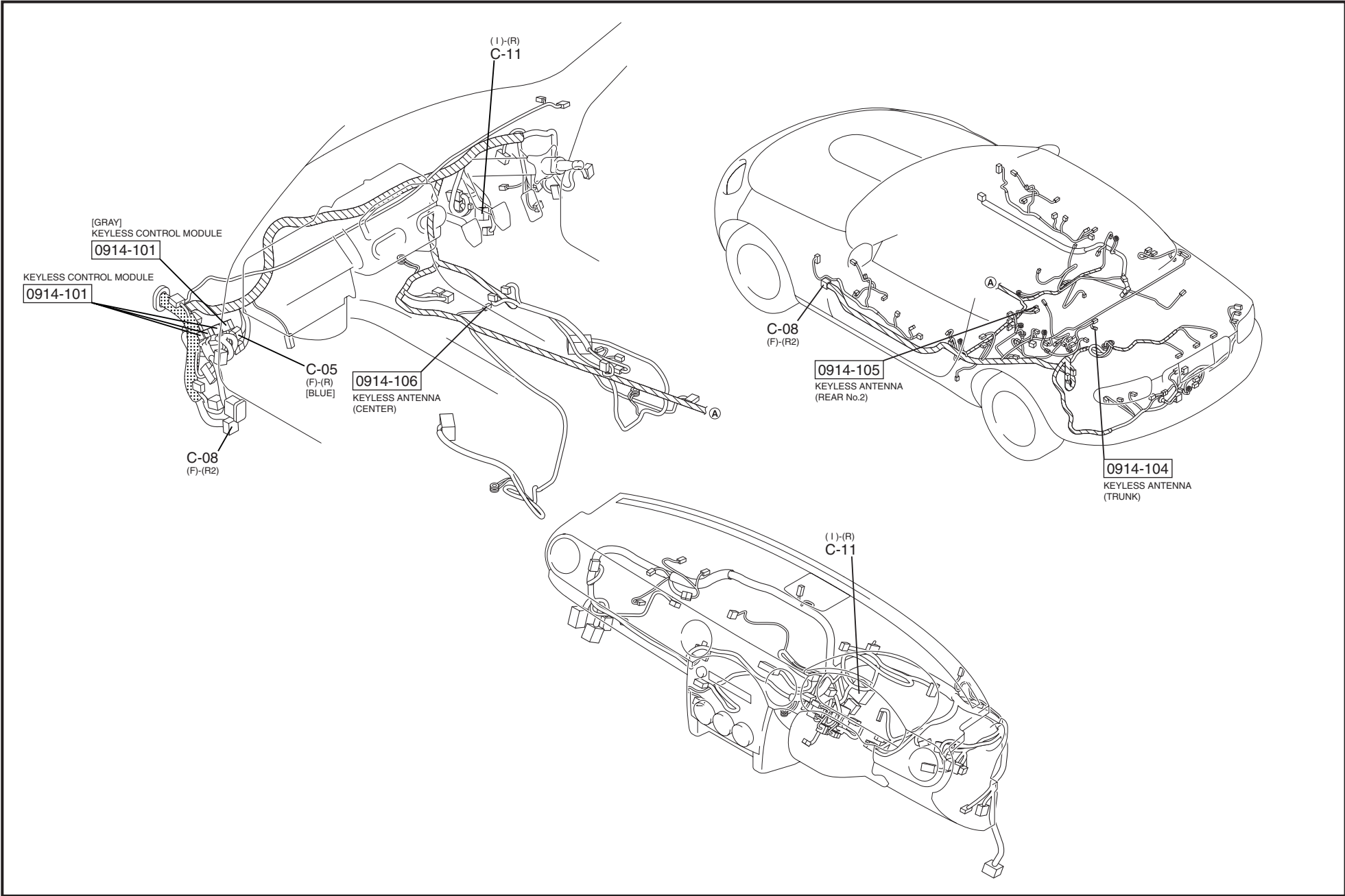


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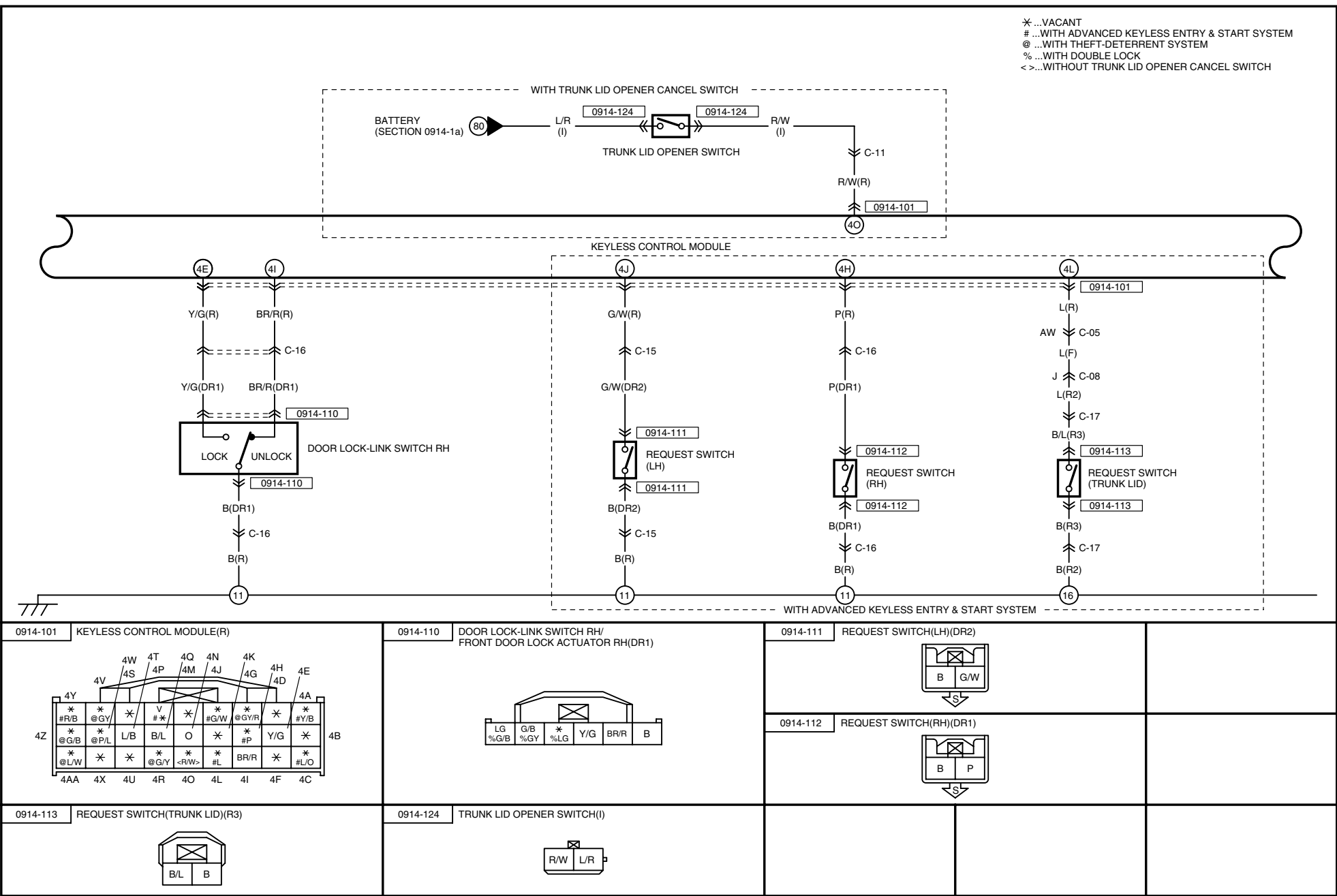




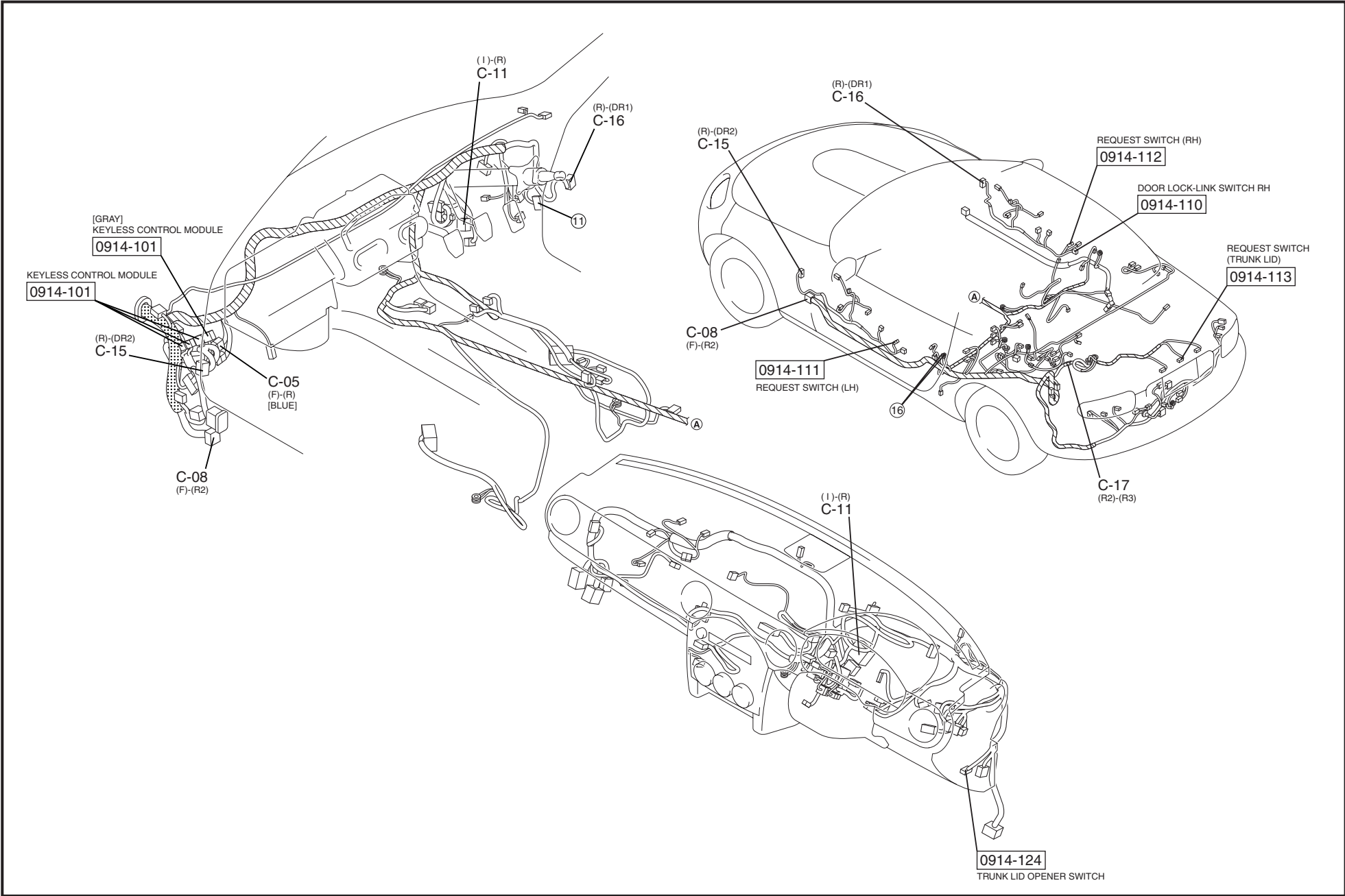
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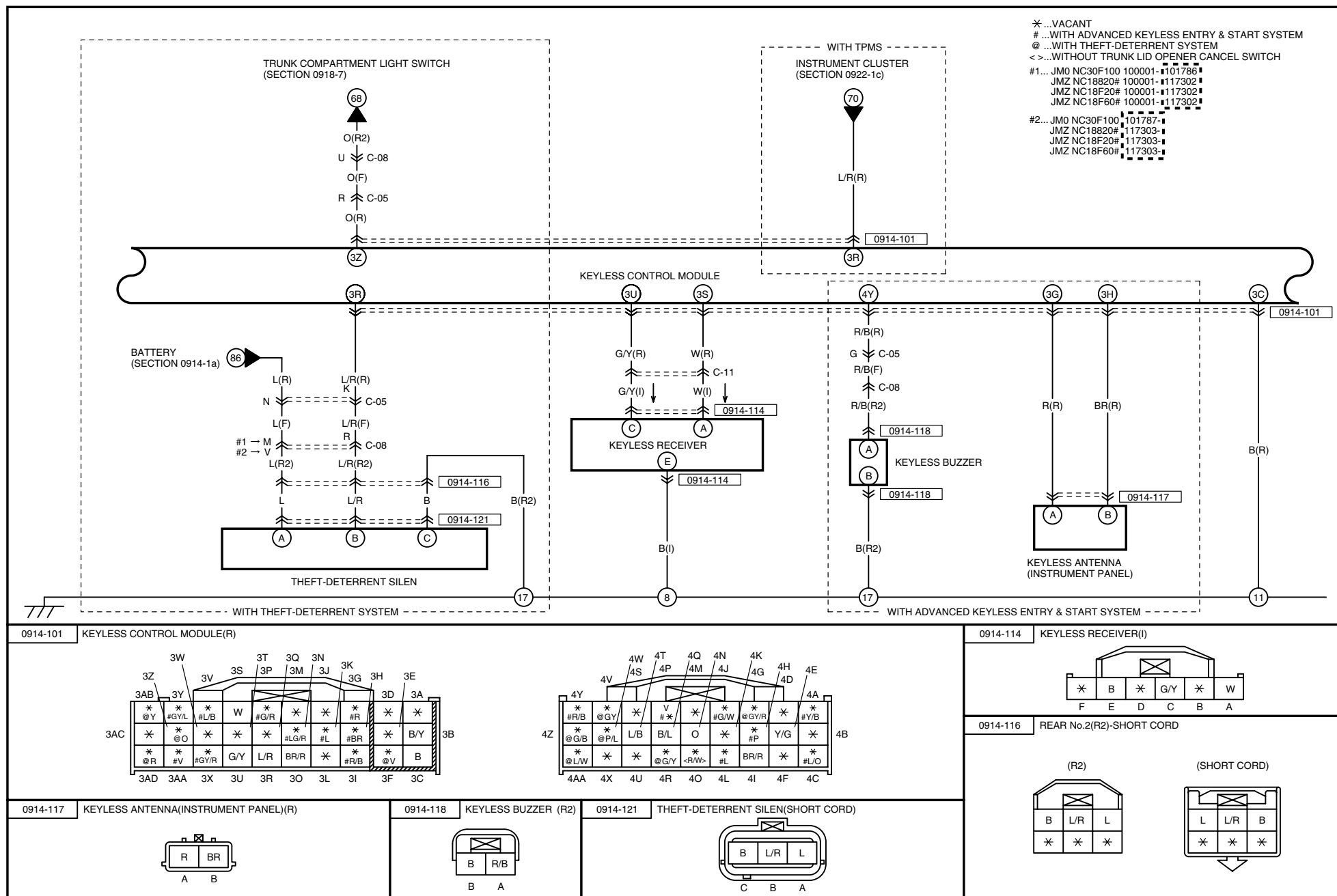


\* ...VACANT  
# ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
@ ...WITH THEFT-DETERRENT SYSTEM  
% ...WITH DOUBLE LOCK  
< > ...WITHOUT TRUNK LID OPENER CANCEL SWITCH

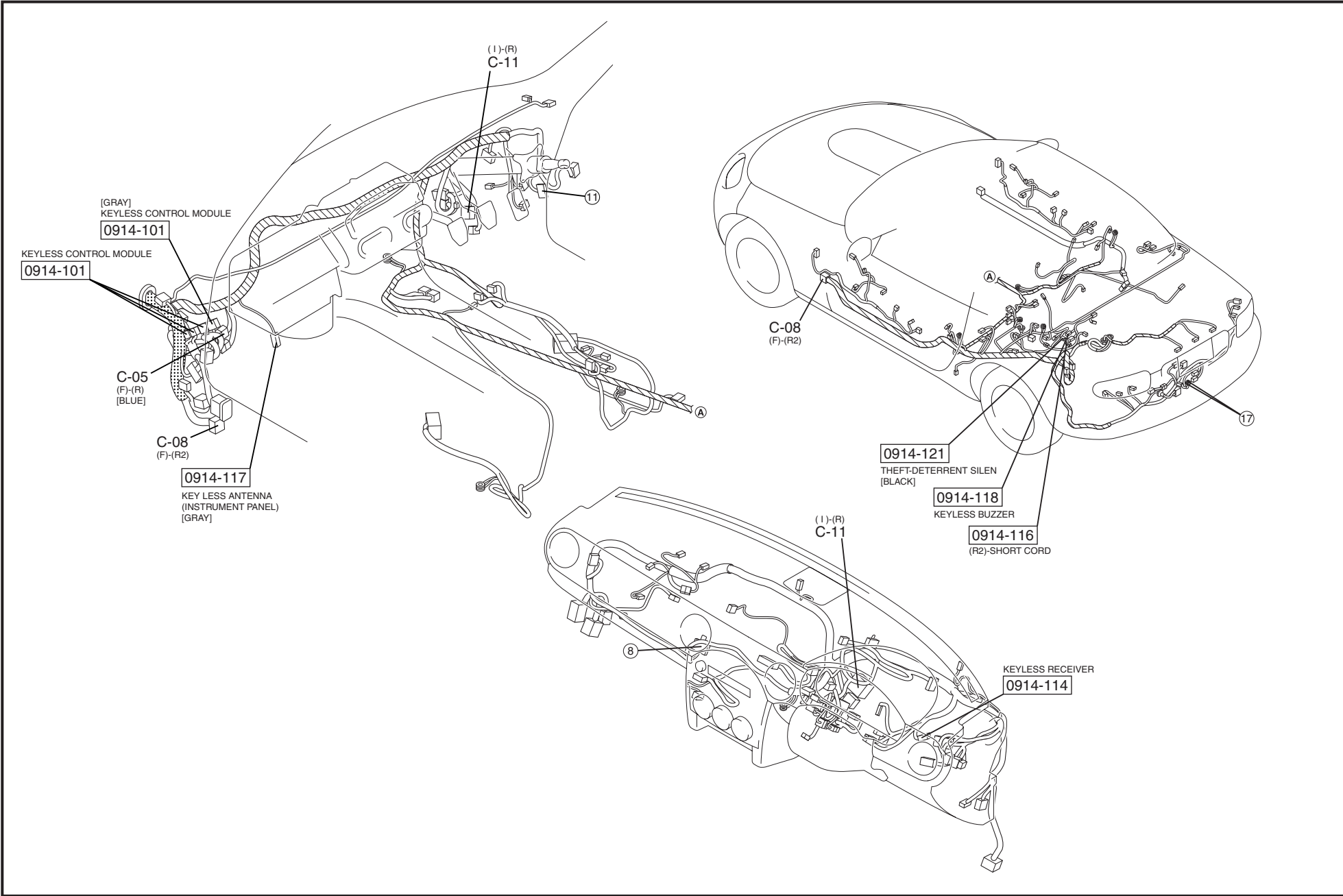


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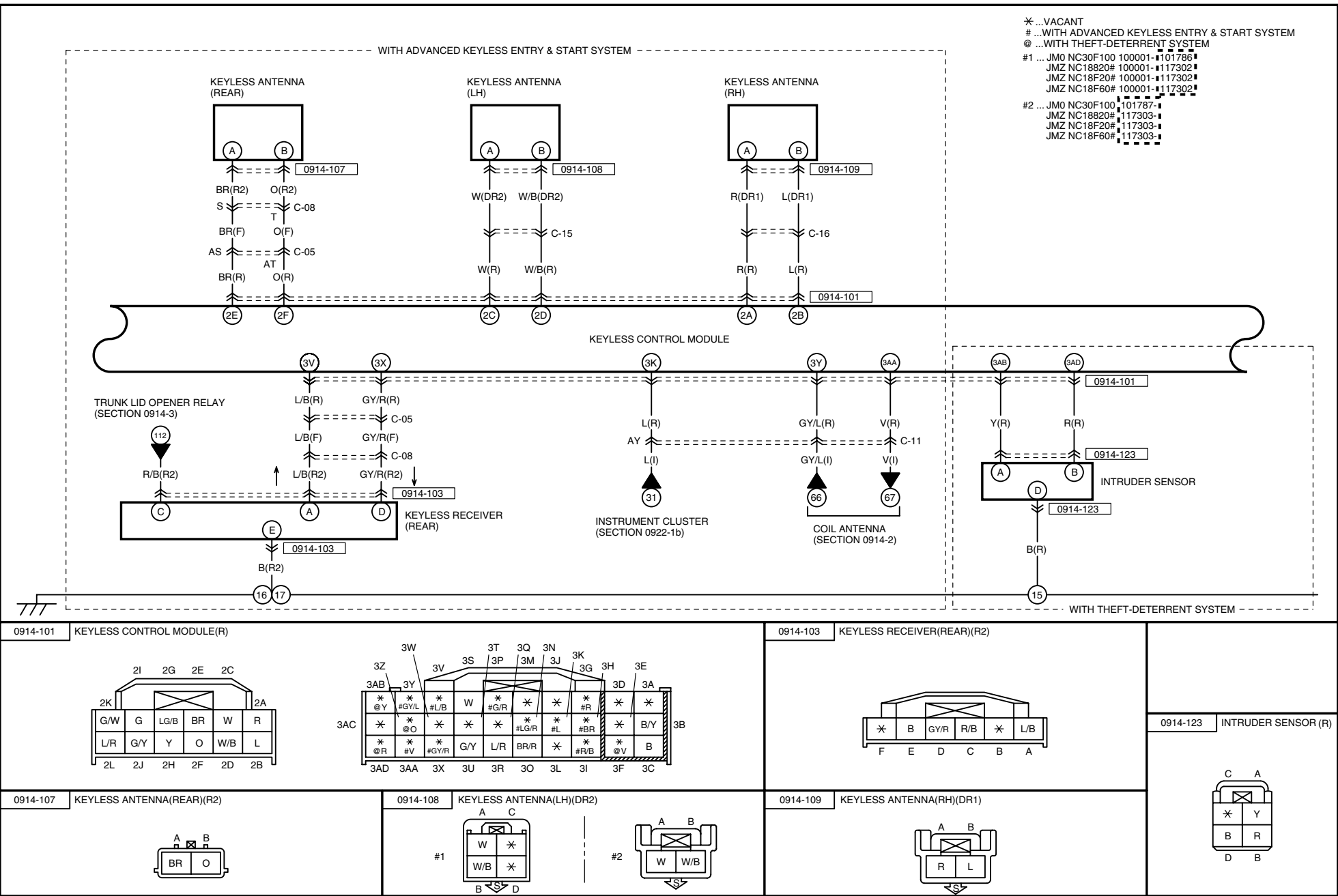




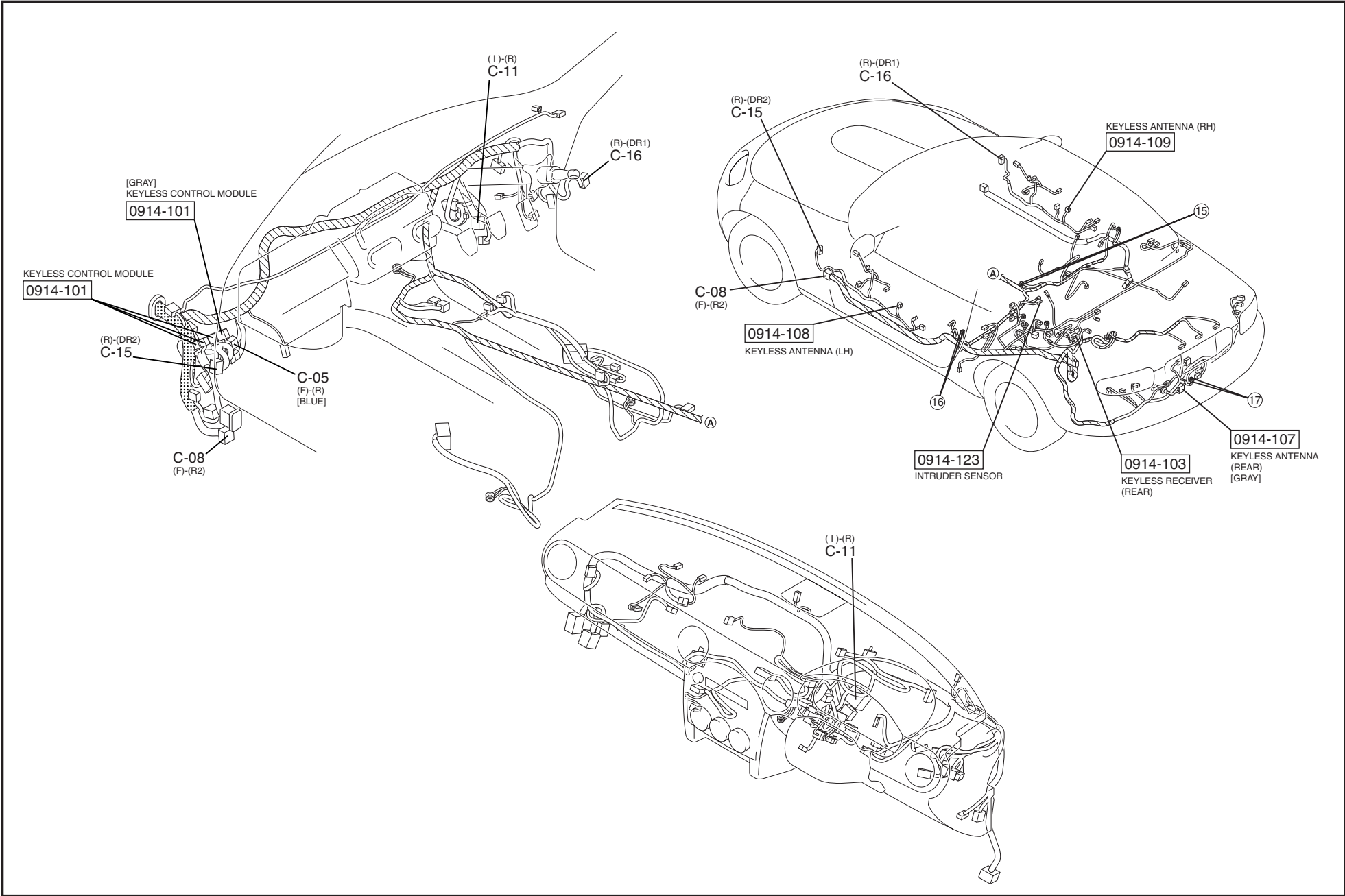
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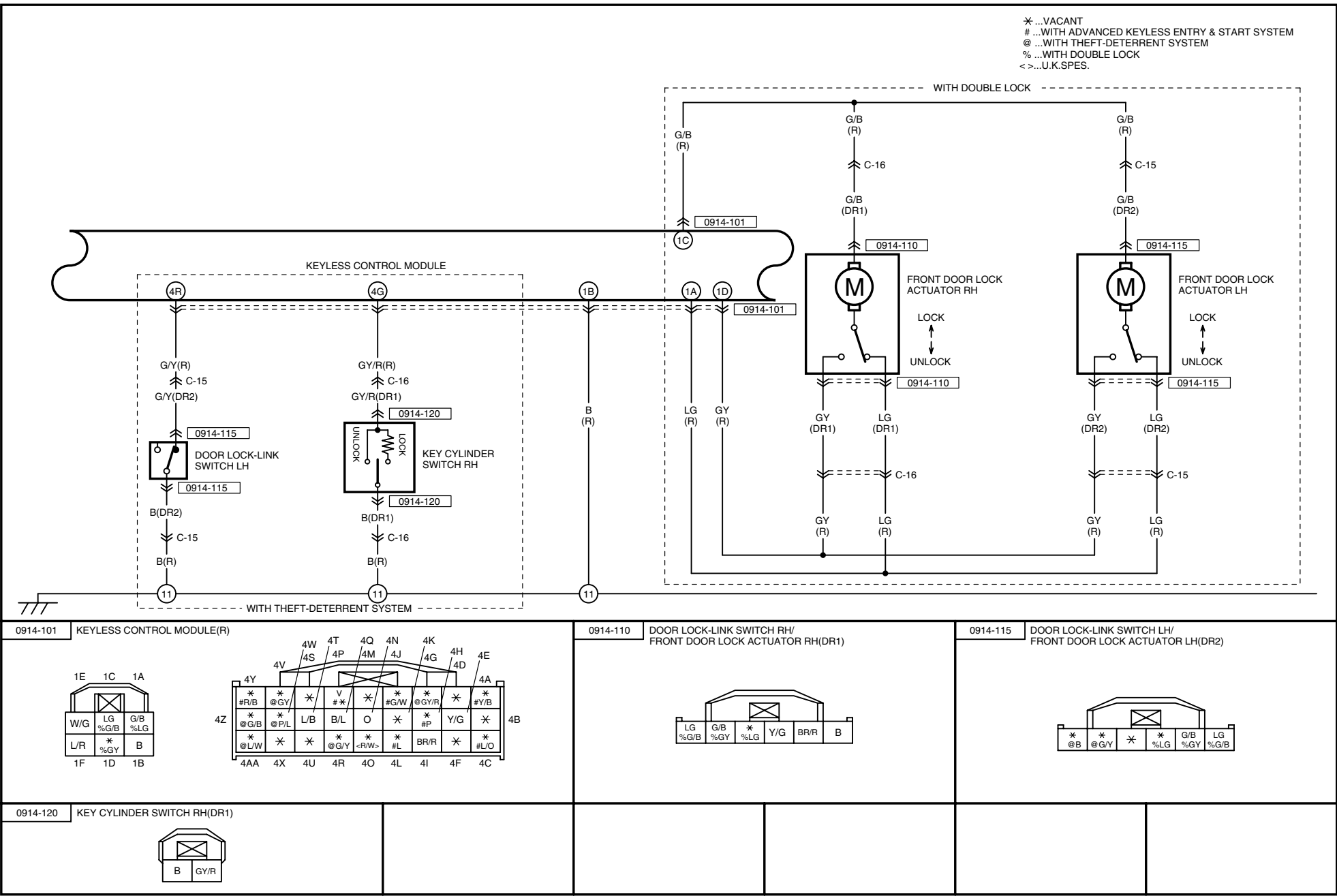




HARNESS SYMBOL:  (F)  (E)  (R)

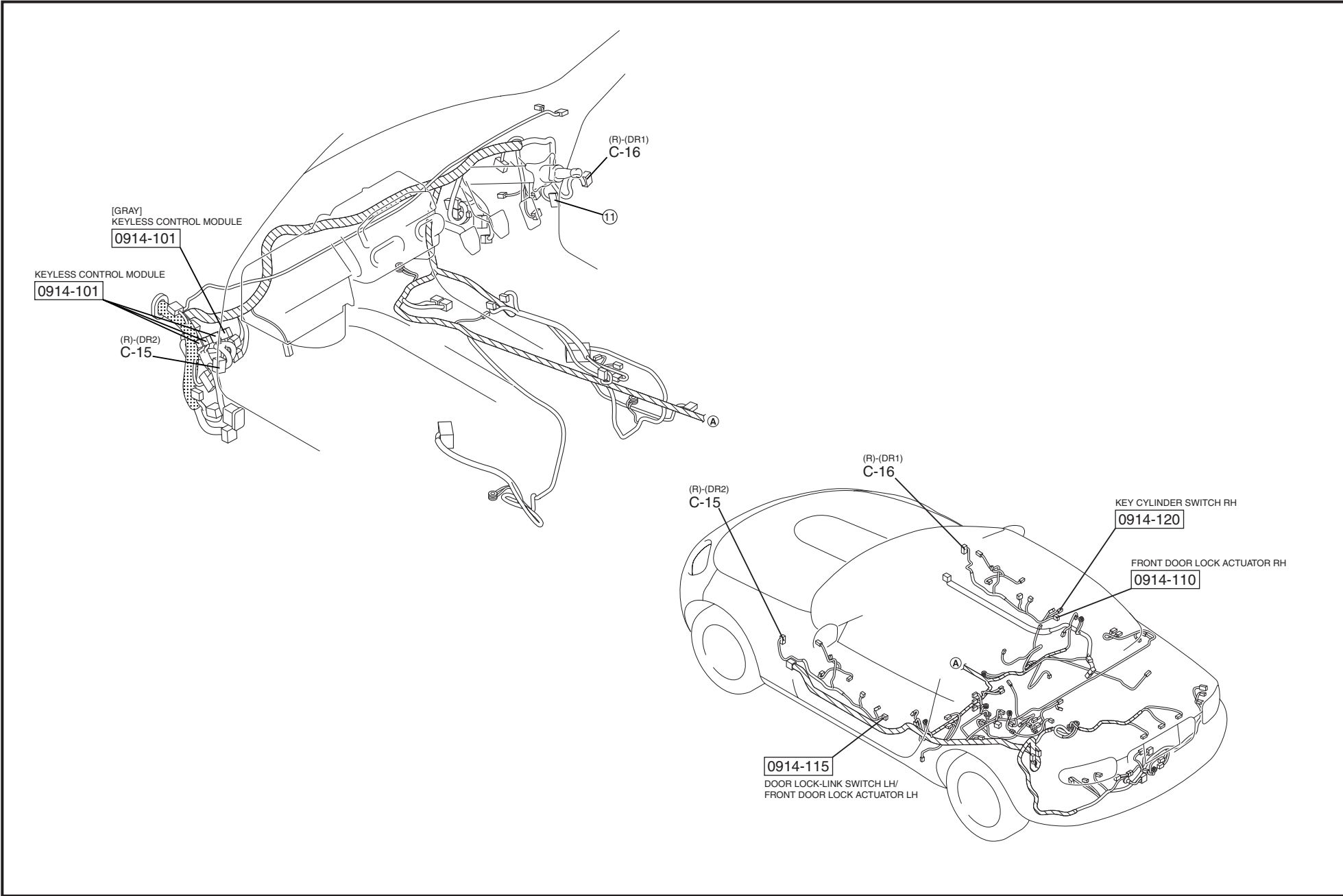


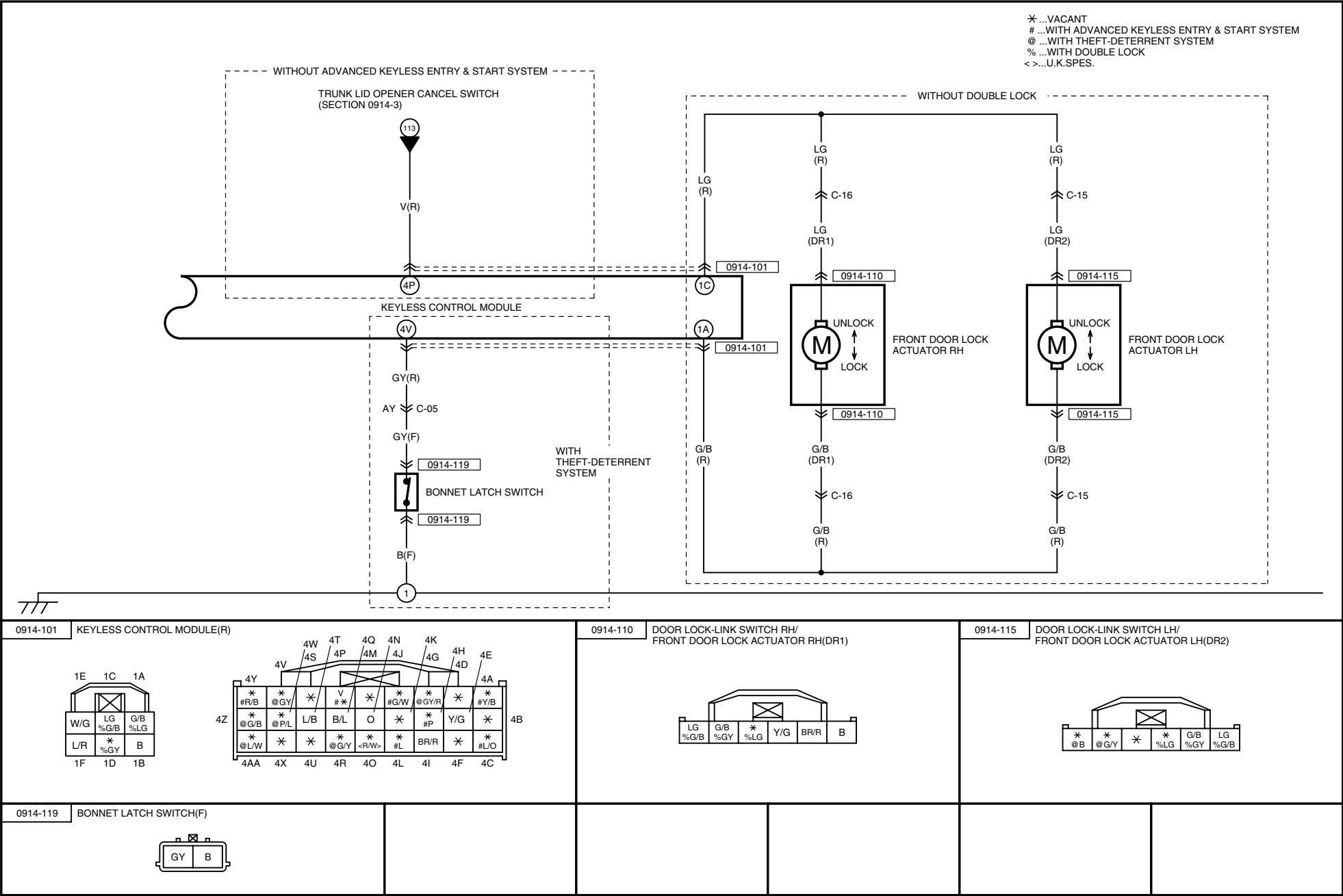
\*...VACANT  
#...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
@...WITH THEFT-DETERRENT SYSTEM  
%...WITH DOUBLE LOCK  
<>...U.K.SPES.



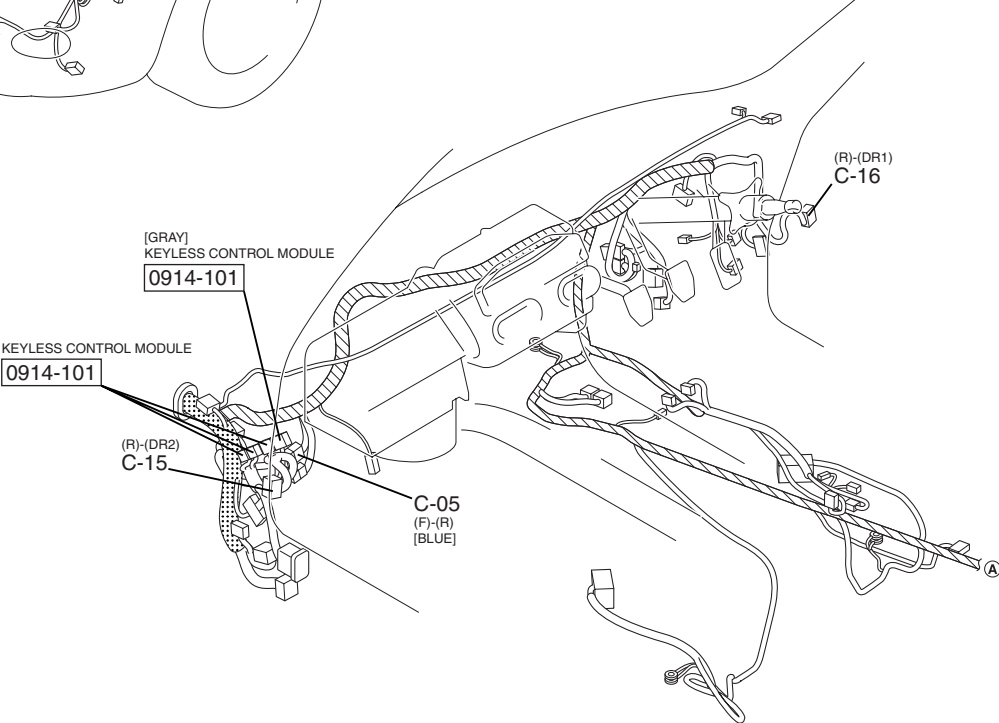
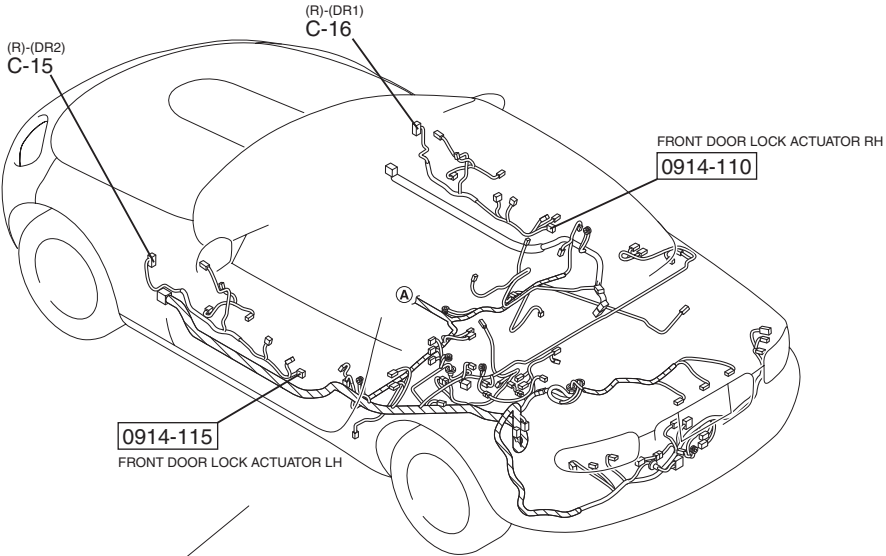
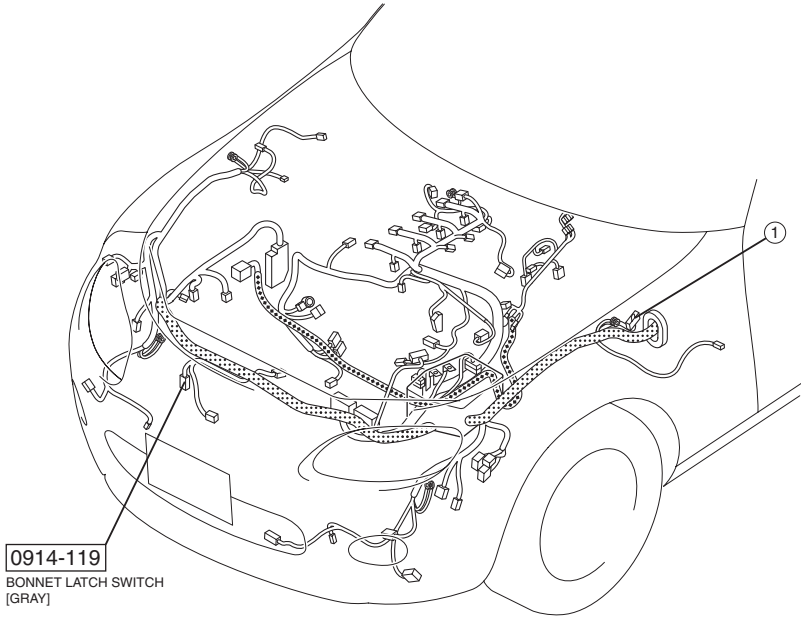
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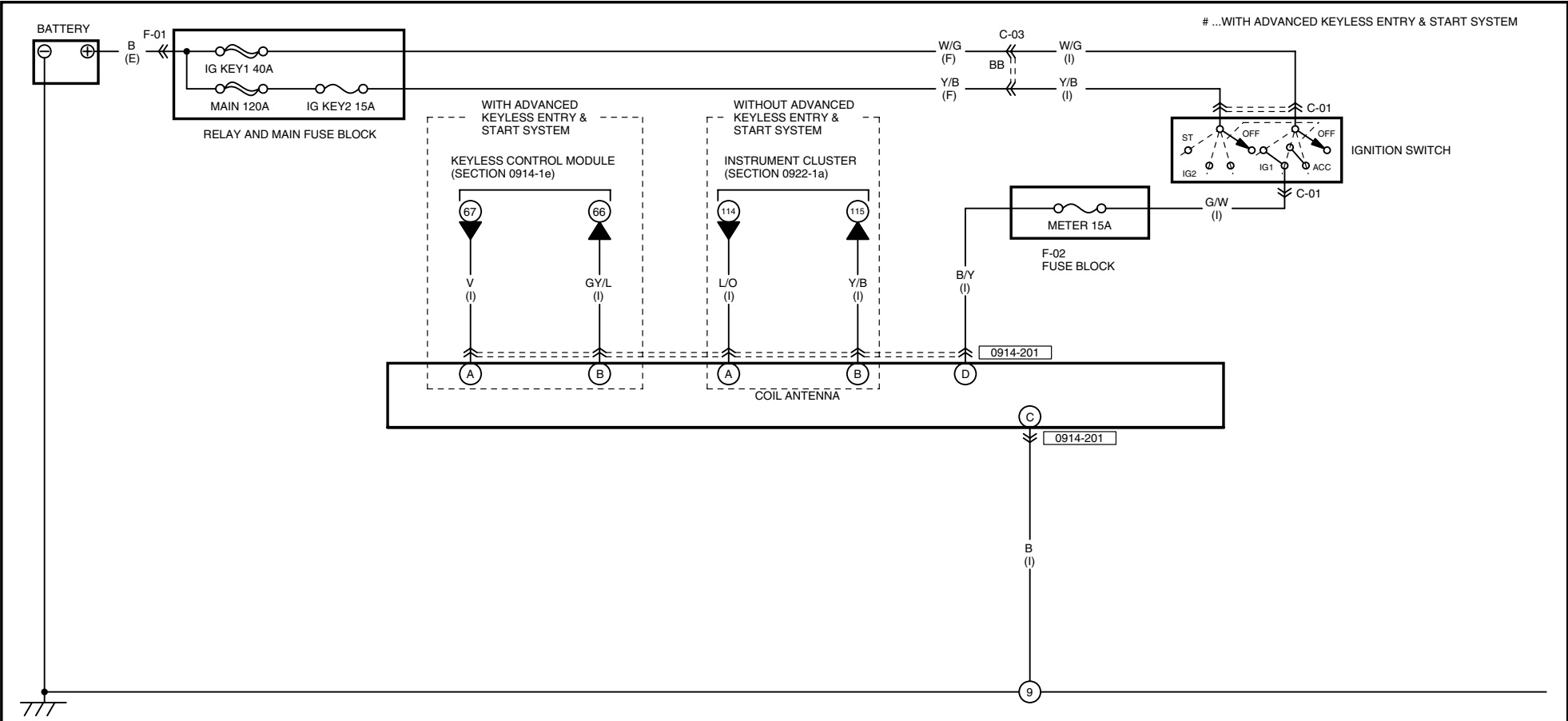
101





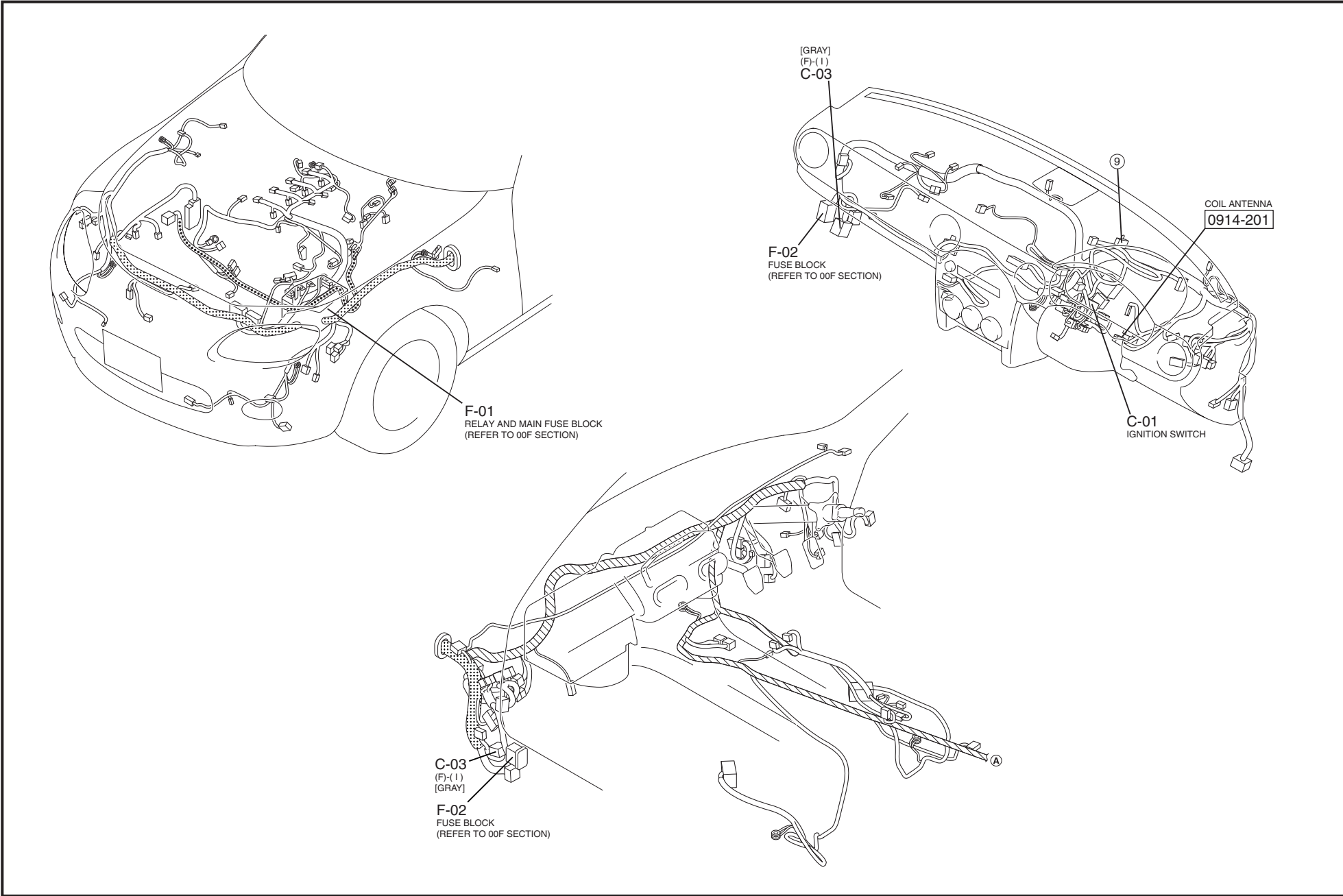
HARNESS SYMBOL:  (F)  (E)  (R)





0914-201	COIL ANTENNA(I)					
						

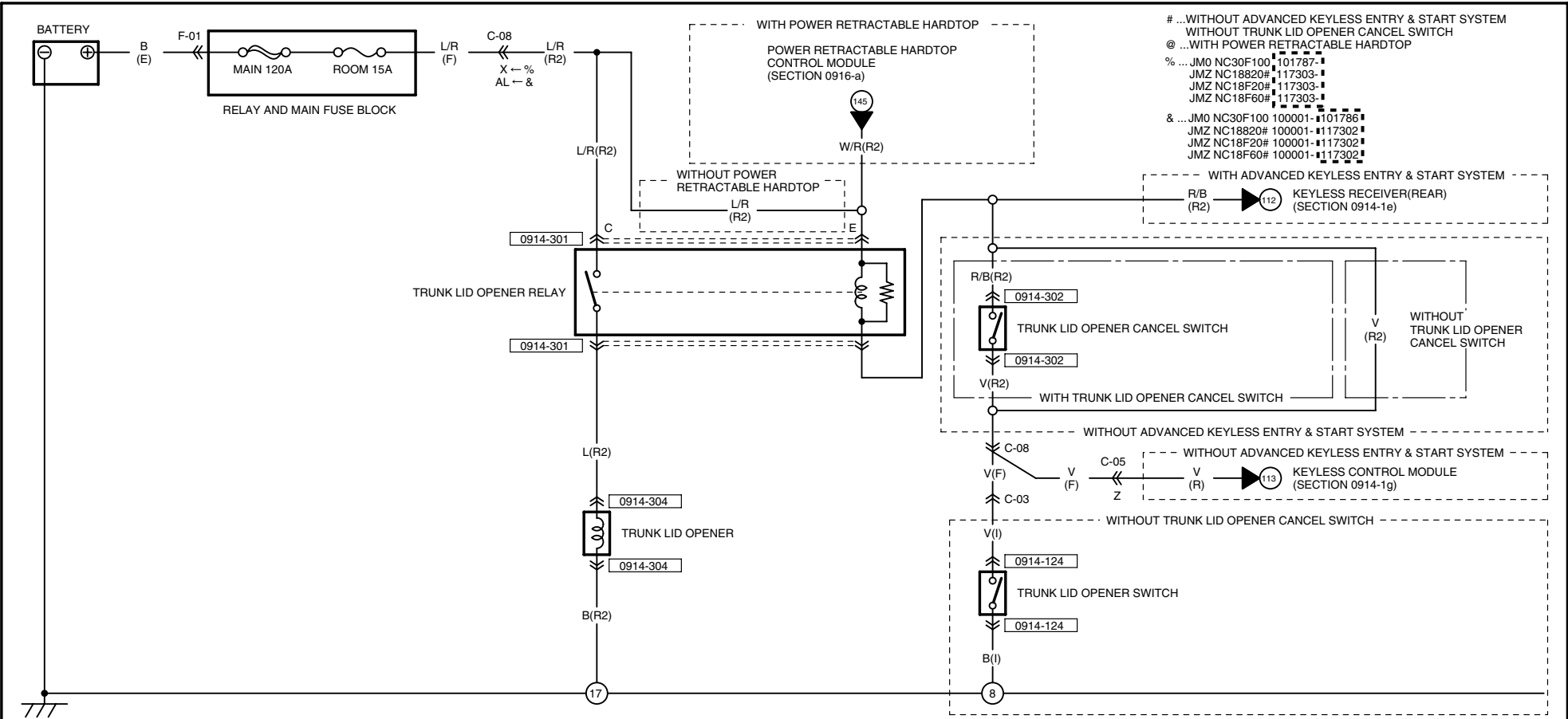
HARNESS SYMBOL:  (F)  (E)  (R)





TRUNK LID OPENER

0914-3

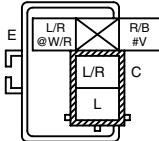
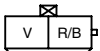
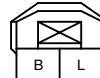
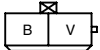


# ...WITHOUT ADVANCED KEYLESS ENTRY & START SYSTEM  
WITHOUT TRUNK LID OPENER CANCEL SWITCH  
@ ...WITH POWER RETRACTABLE HARDTOP  
% ...JM0 NC30F100 101787-  
JMZ NC18820# 117303-  
JMZ NC18F20# 117303-  
JMZ NC18F60# 117303-  
& ...JM0 NC30F100 100001-1101786-  
JMZ NC18820# 100001-1117302-  
JMZ NC18F20# 100001-1117302-  
JMZ NC18F60# 100001-1117302-

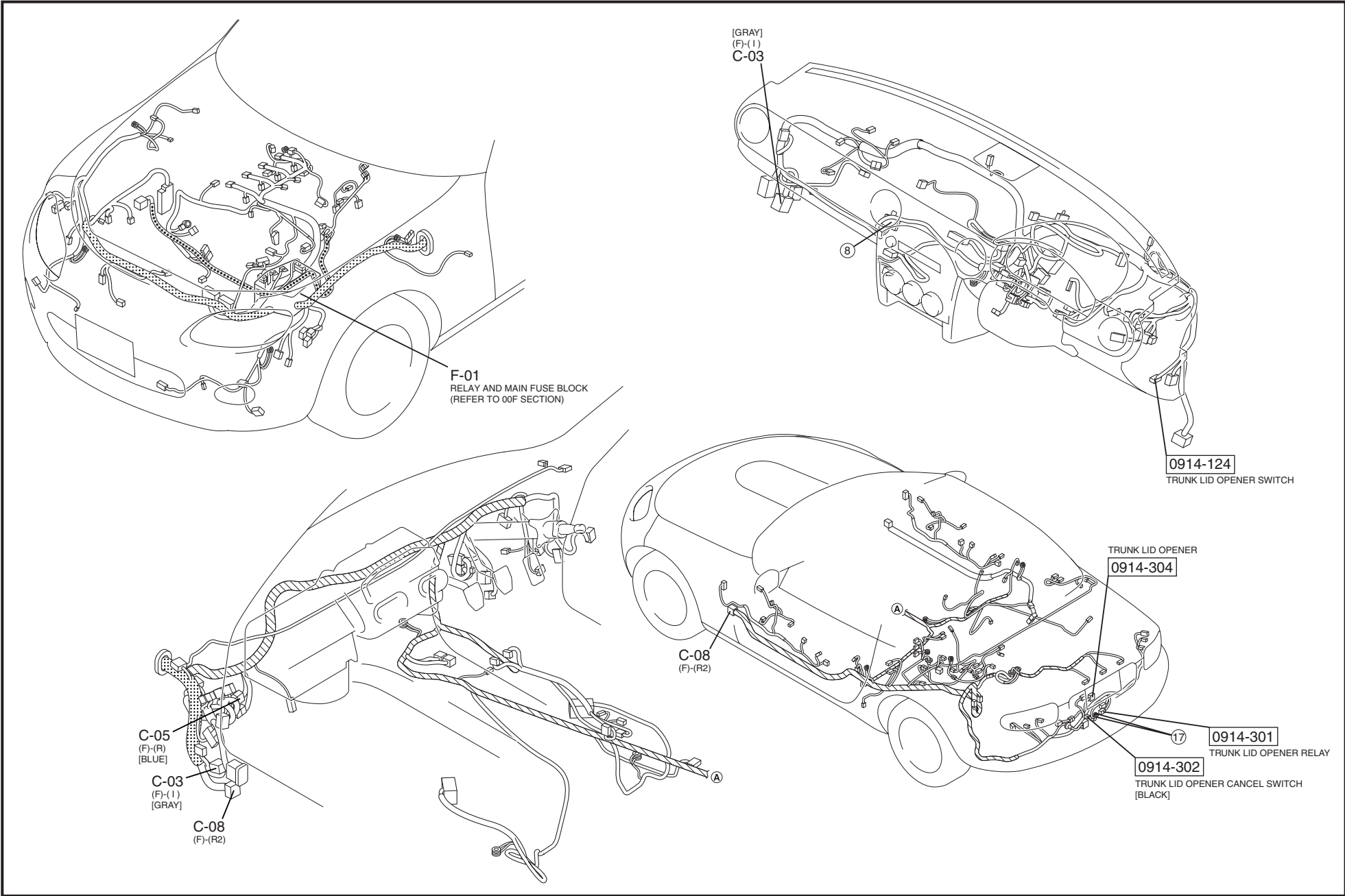
WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
R/B (R2) KEYLESS RECEIVER (REAR) (SECTION 0914-1e)

WITHOUT ADVANCED KEYLESS ENTRY & START SYSTEM  
V (F) C-05 V (R) KEYLESS CONTROL MODULE (SECTION 0914-1g)

WITHOUT TRUNK LID OPENER CANCEL SWITCH  
V (I) 0914-124 TRUNK LID OPENER SWITCH (I) 0914-124

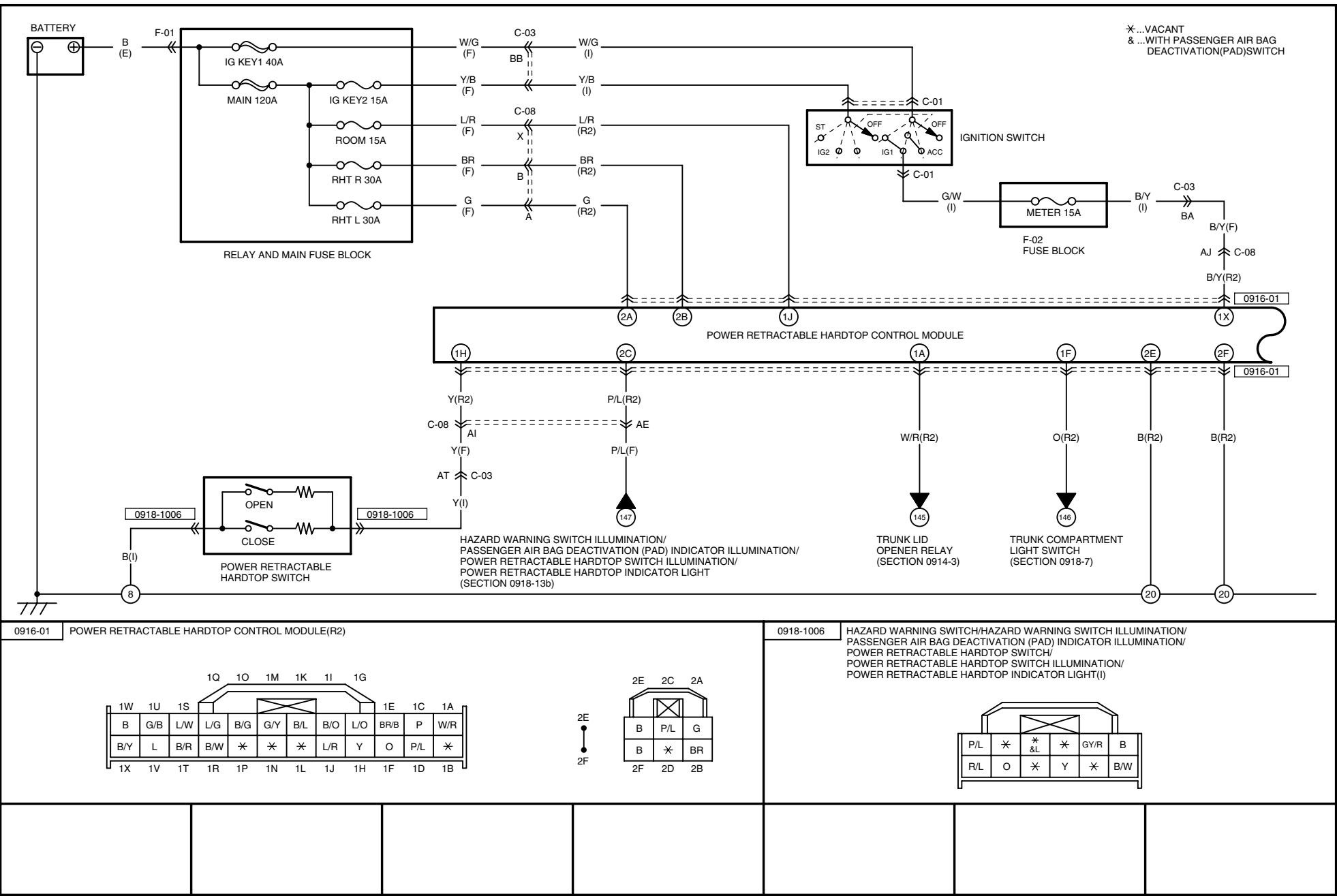
0914-301	TRUNK LID OPENER RELAY(R2)	0914-302	TRUNK LID OPENER CANCEL SWITCH(R2)	0914-304	TRUNK LID OPENER(R2)	
						
		0914-124	TRUNK LID OPENER SWITCH(I)			
						

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



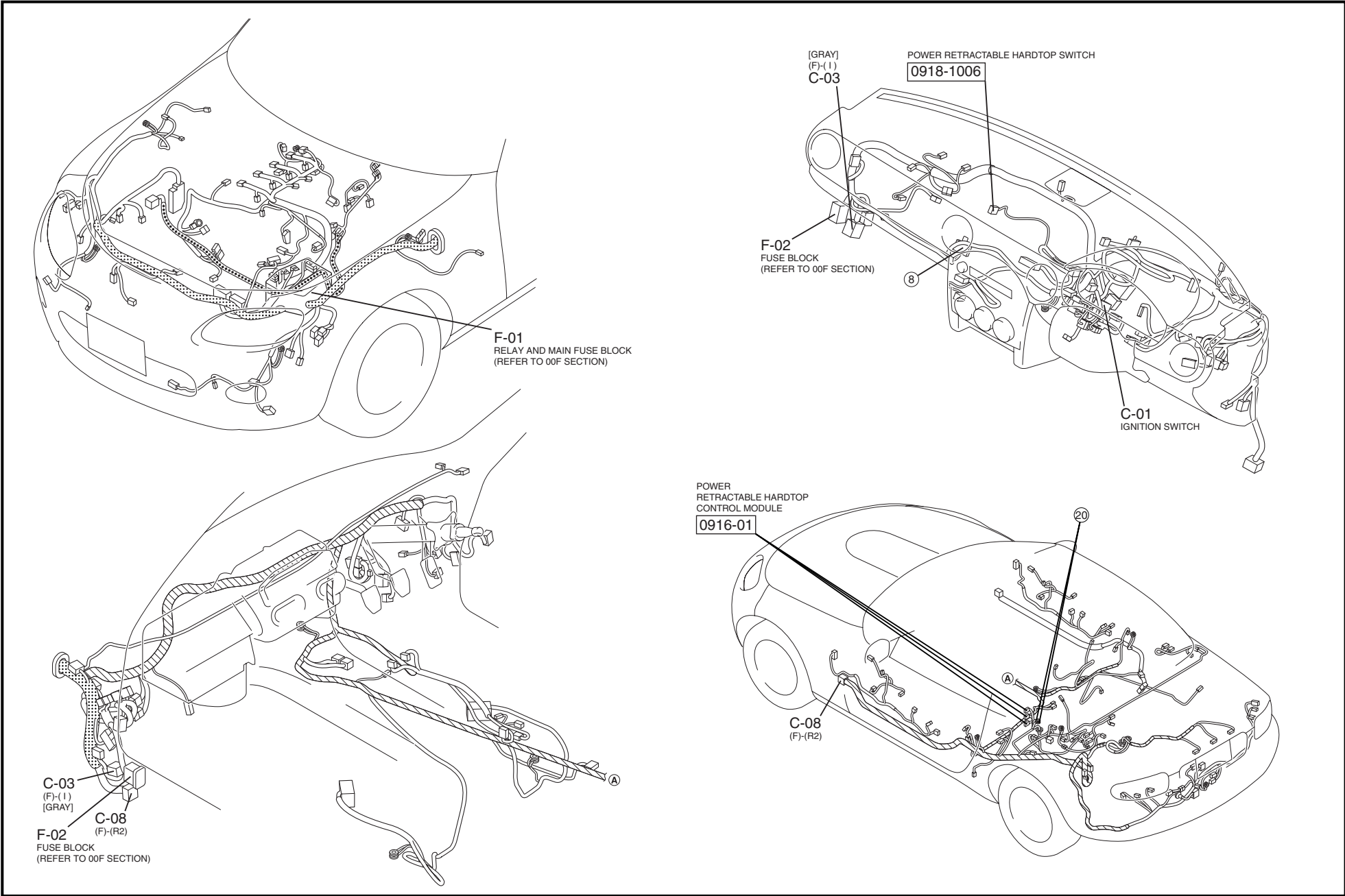
POWER RETRACTABLE HARDTOP

0916-a



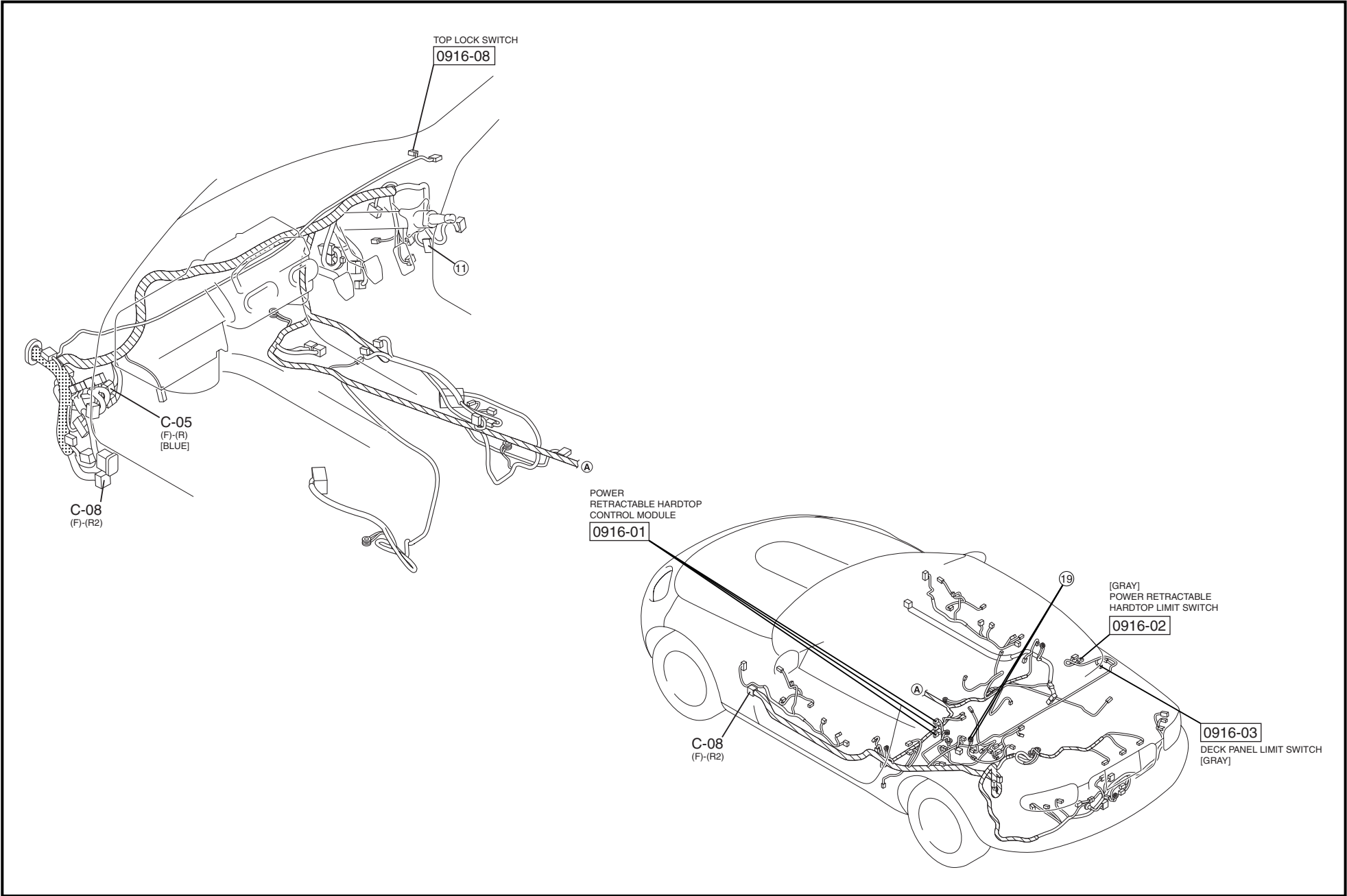
HARNESS SYMBOL:  (F)  (E)  (R)

109

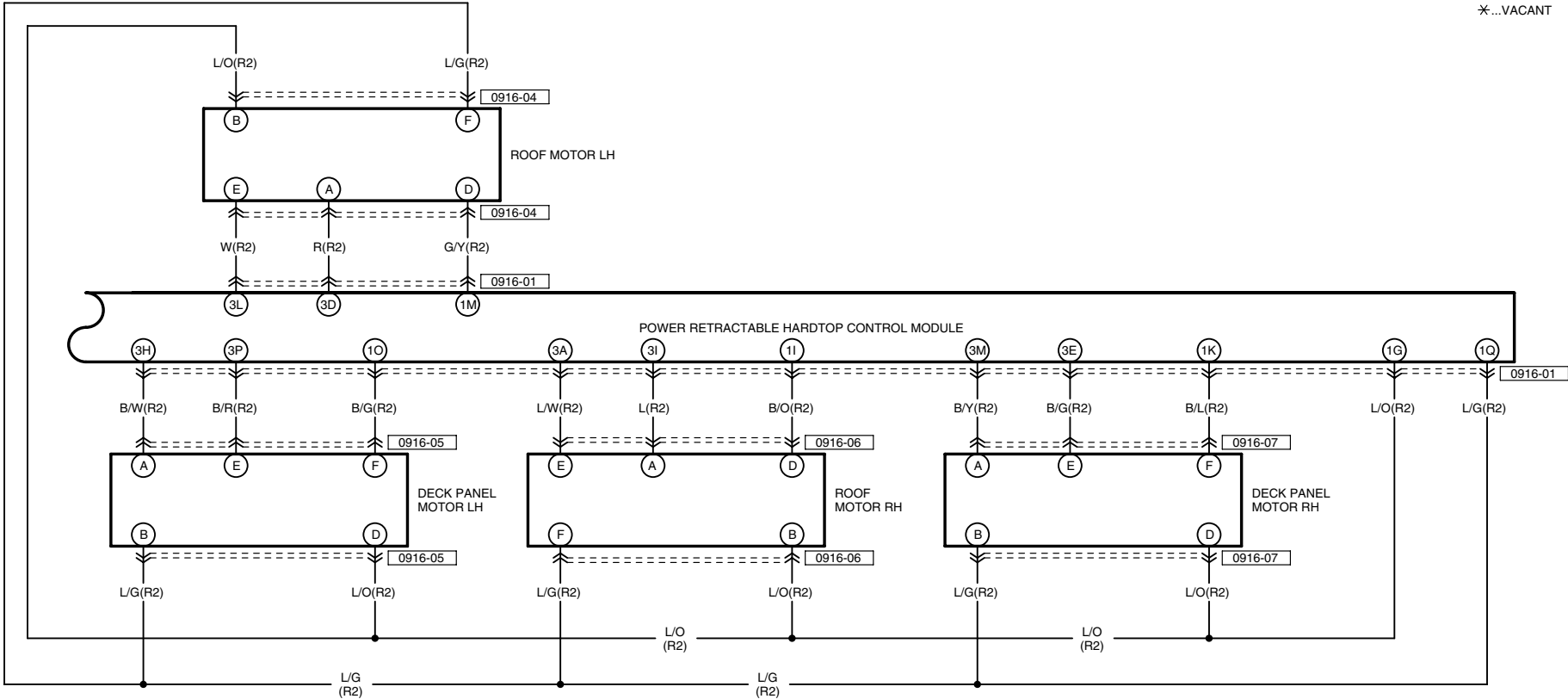




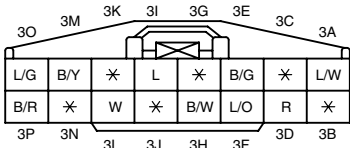
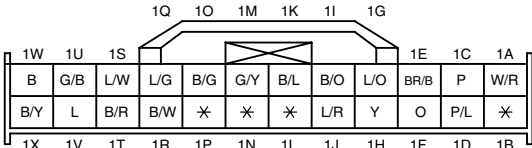
HARNESS SYMBOL:  (F)  (E)  (R)



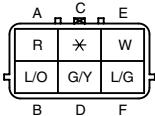
\*...VACANT



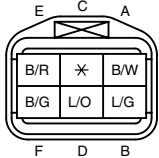
0916-01 POWER RETRACTABLE HARDTOP CONTROL MODULE(R2)



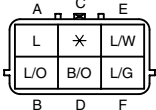
0916-04 ROOF MOTOR LH(R2)



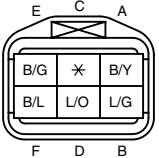
0916-05 DECK PANEL MOTOR LH(R2)






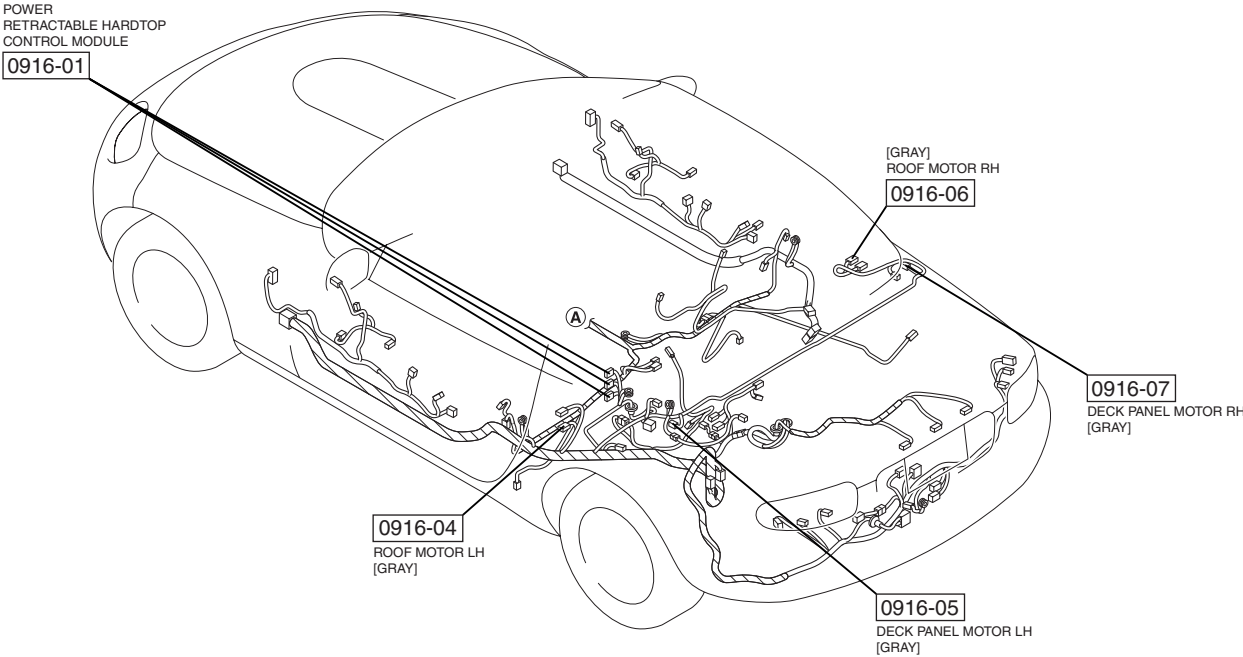
0916-06 ROOF MOTOR RH(R2)



0916-07 DECK PANEL MOTOR RH(R2)



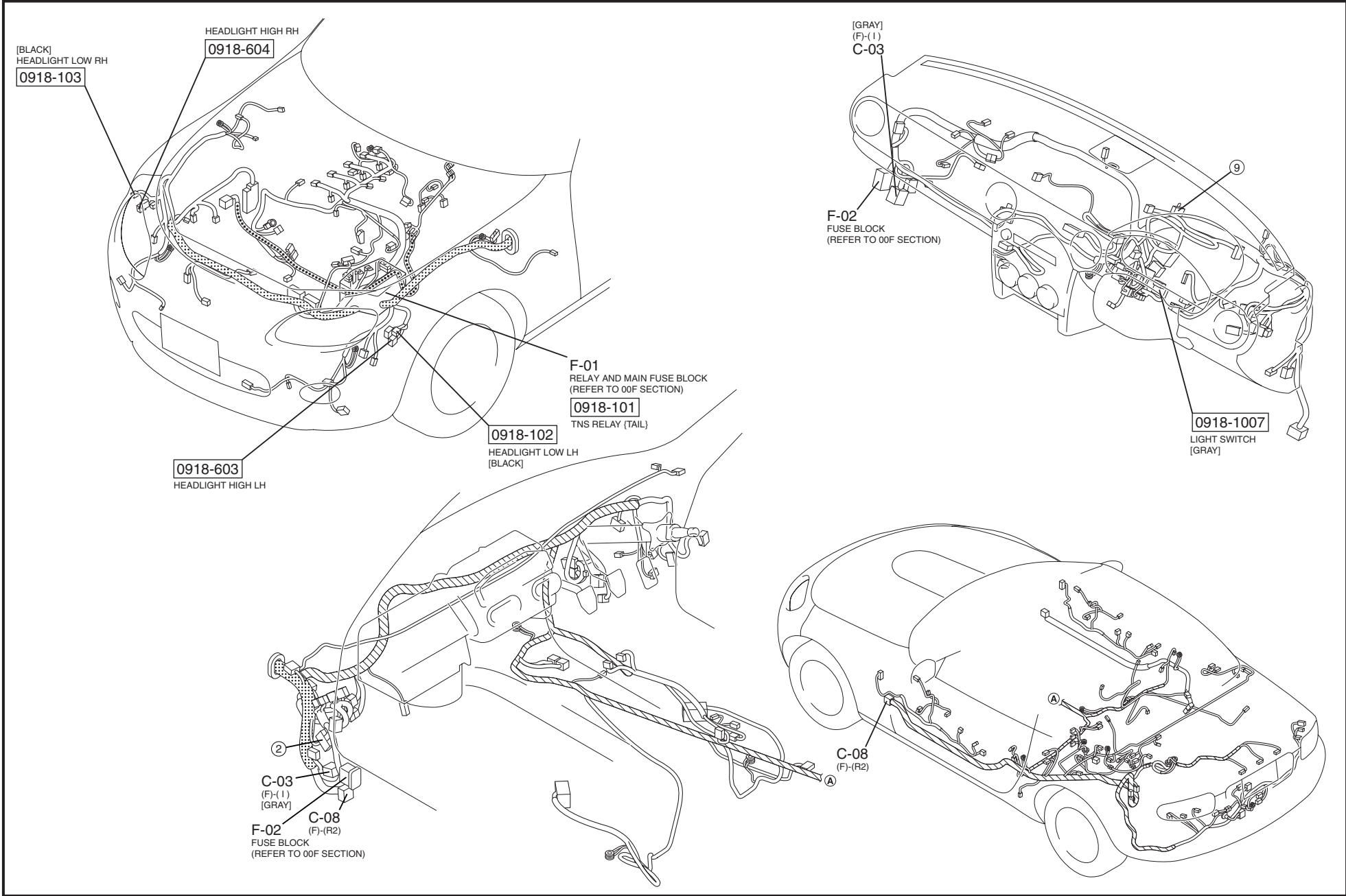
HARNESS SYMBOL:  (F)  (E)  (R)

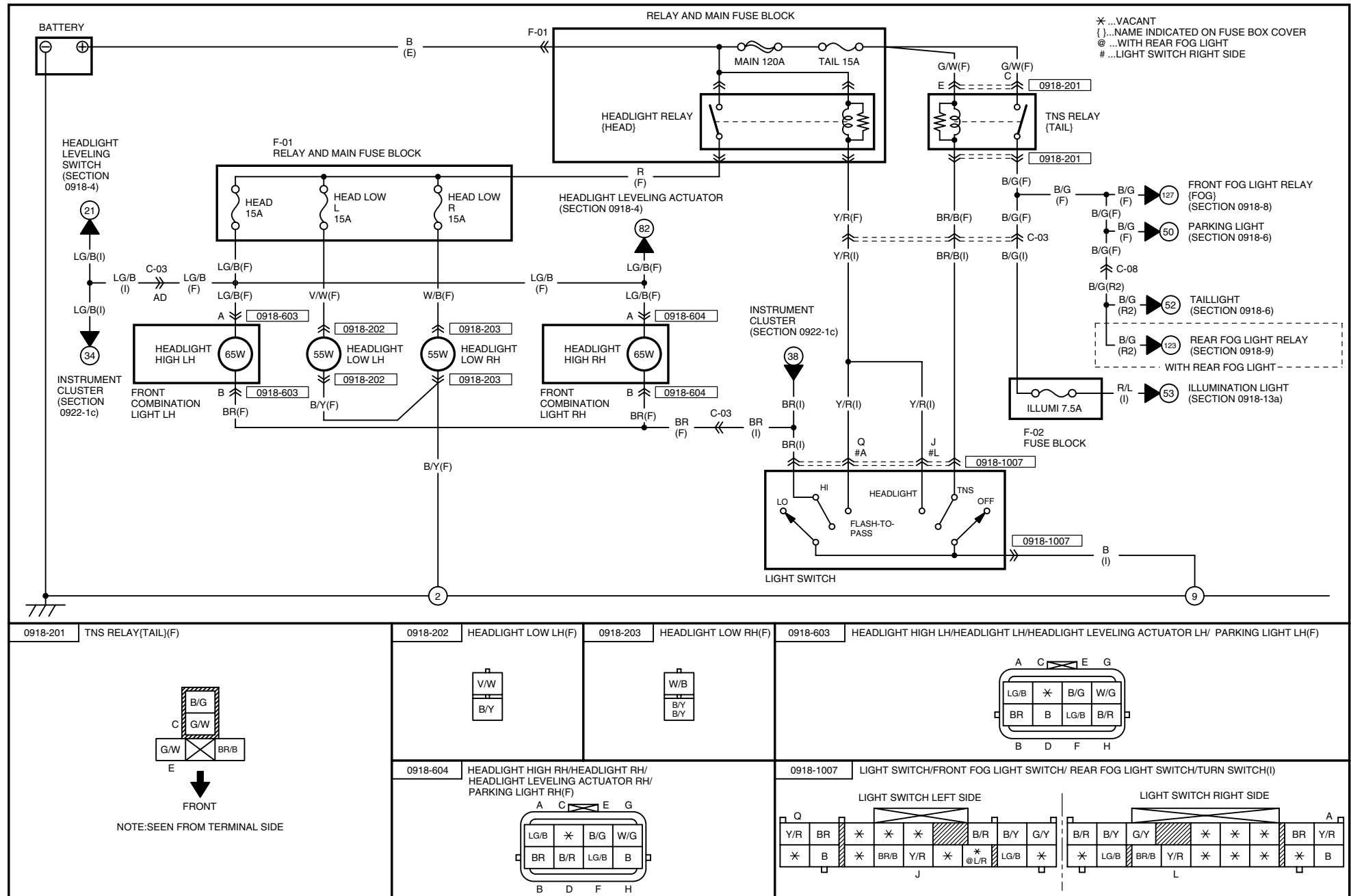




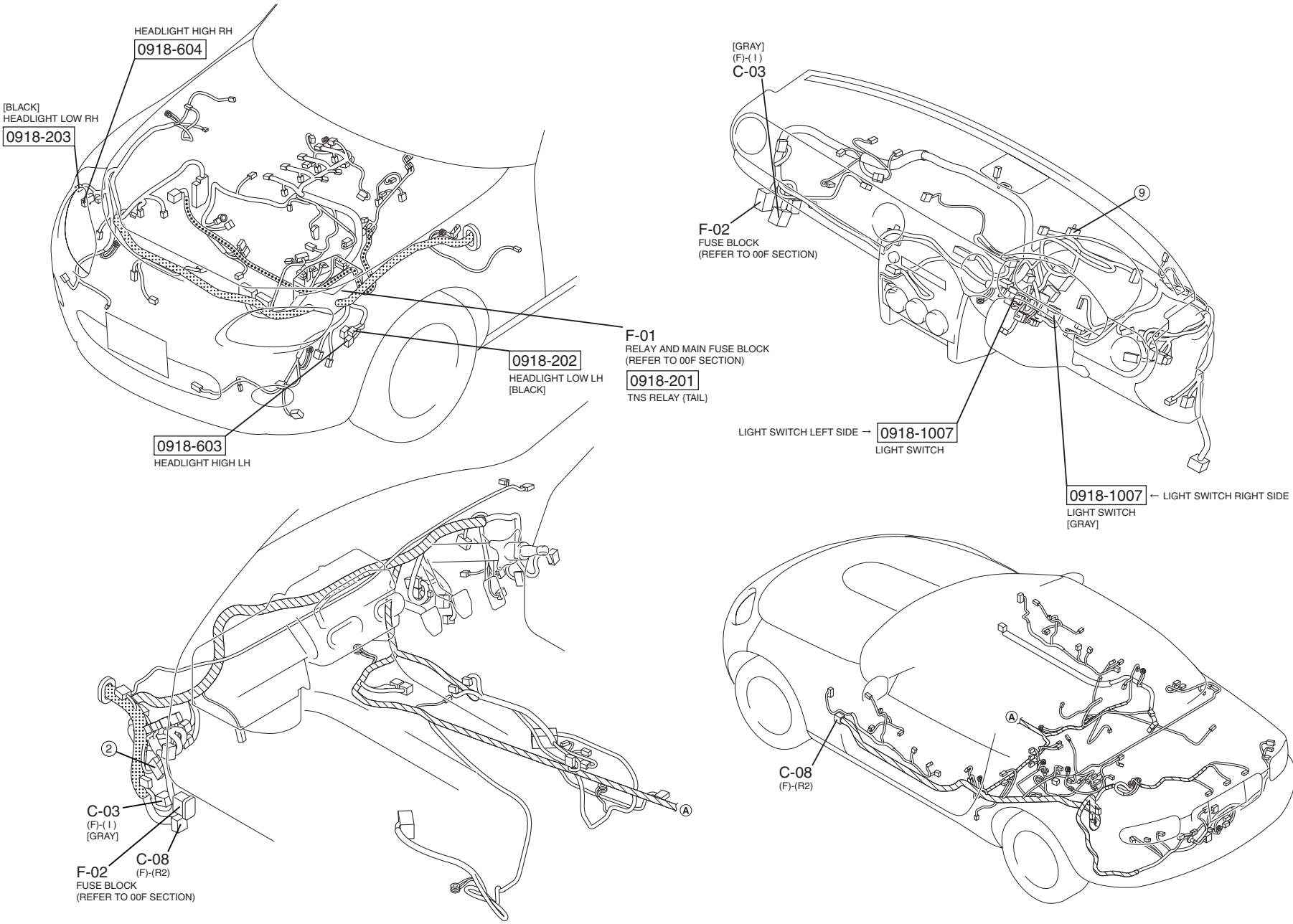


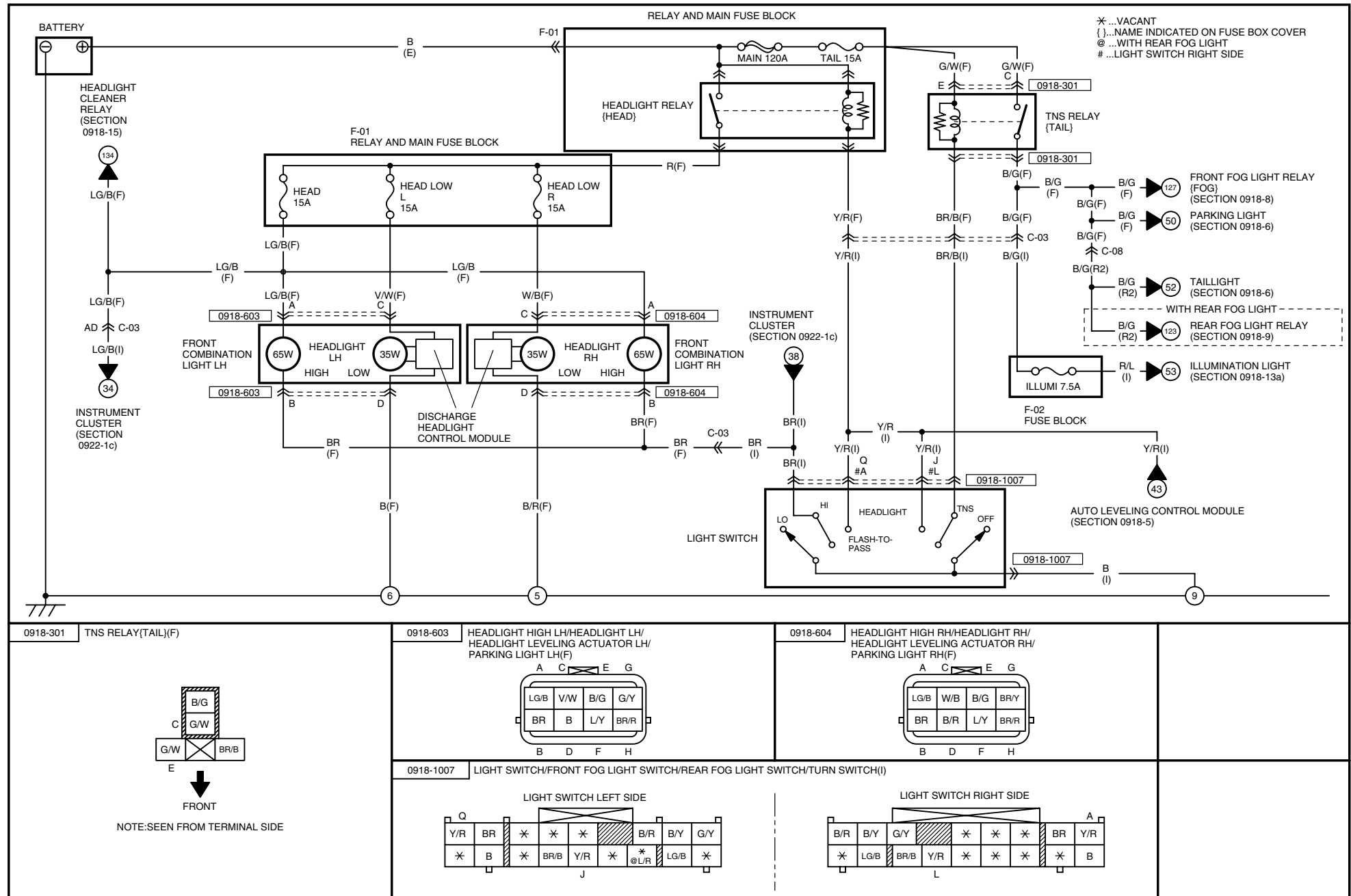
HARNESS SYMBOL:  (F)  (E)  (R)



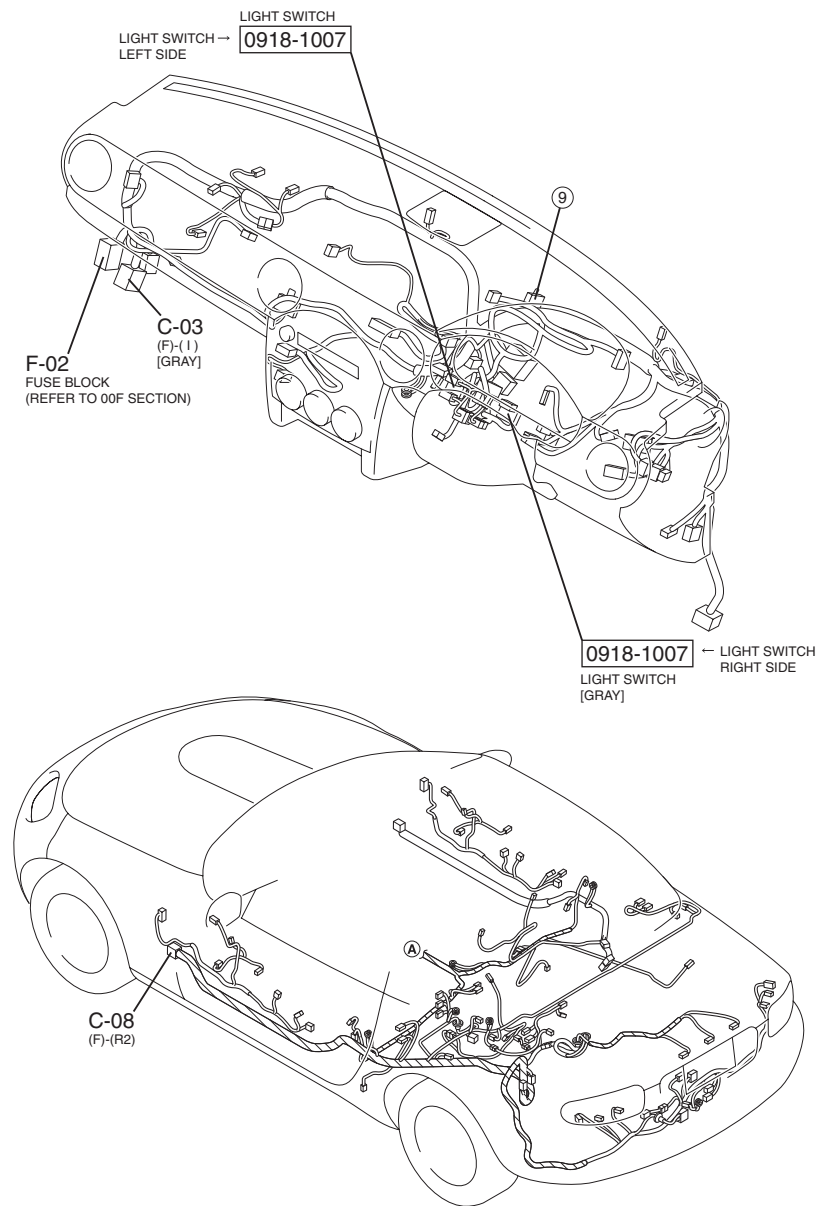
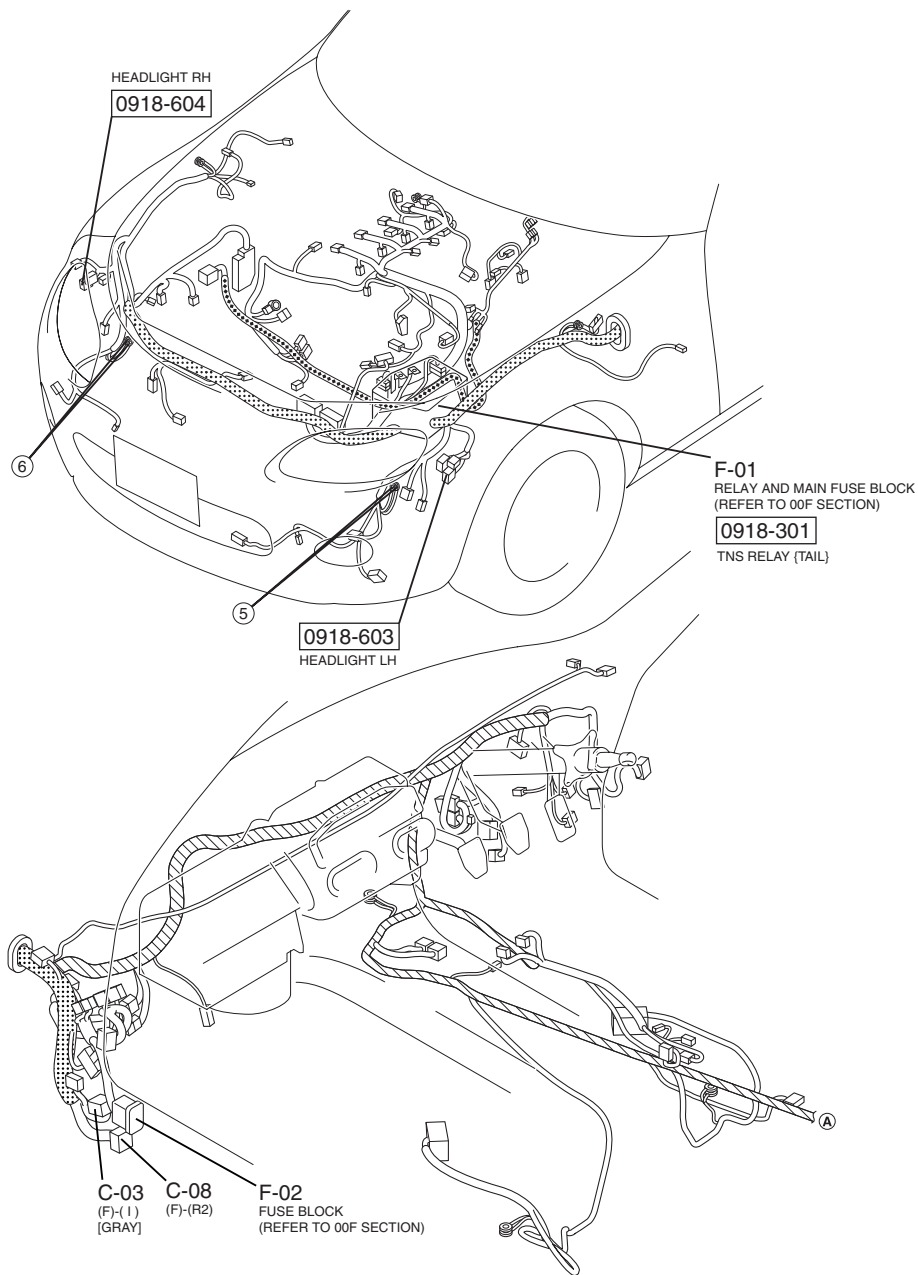


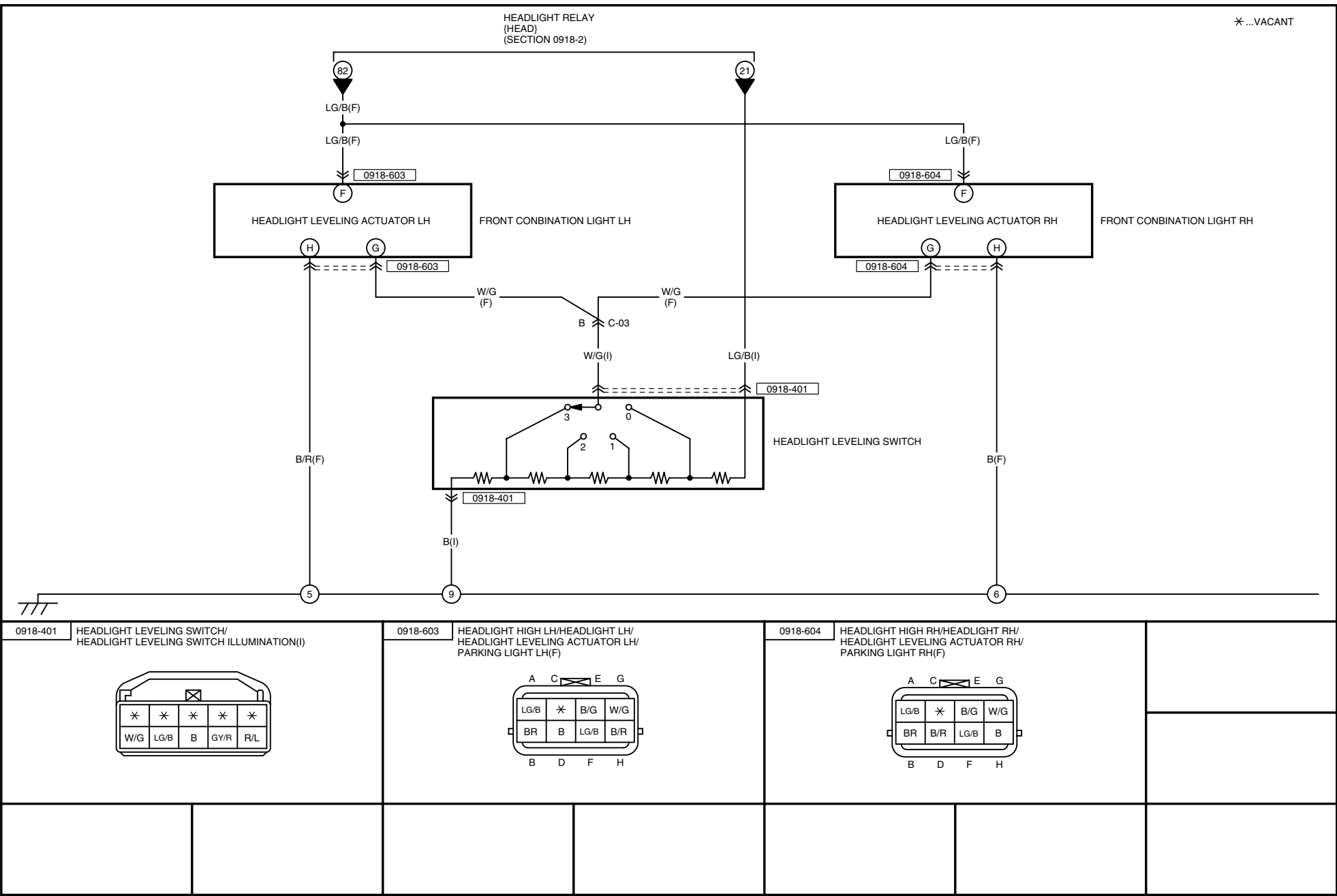
HARNESS SYMBOL:  (F)  (E)  (R)



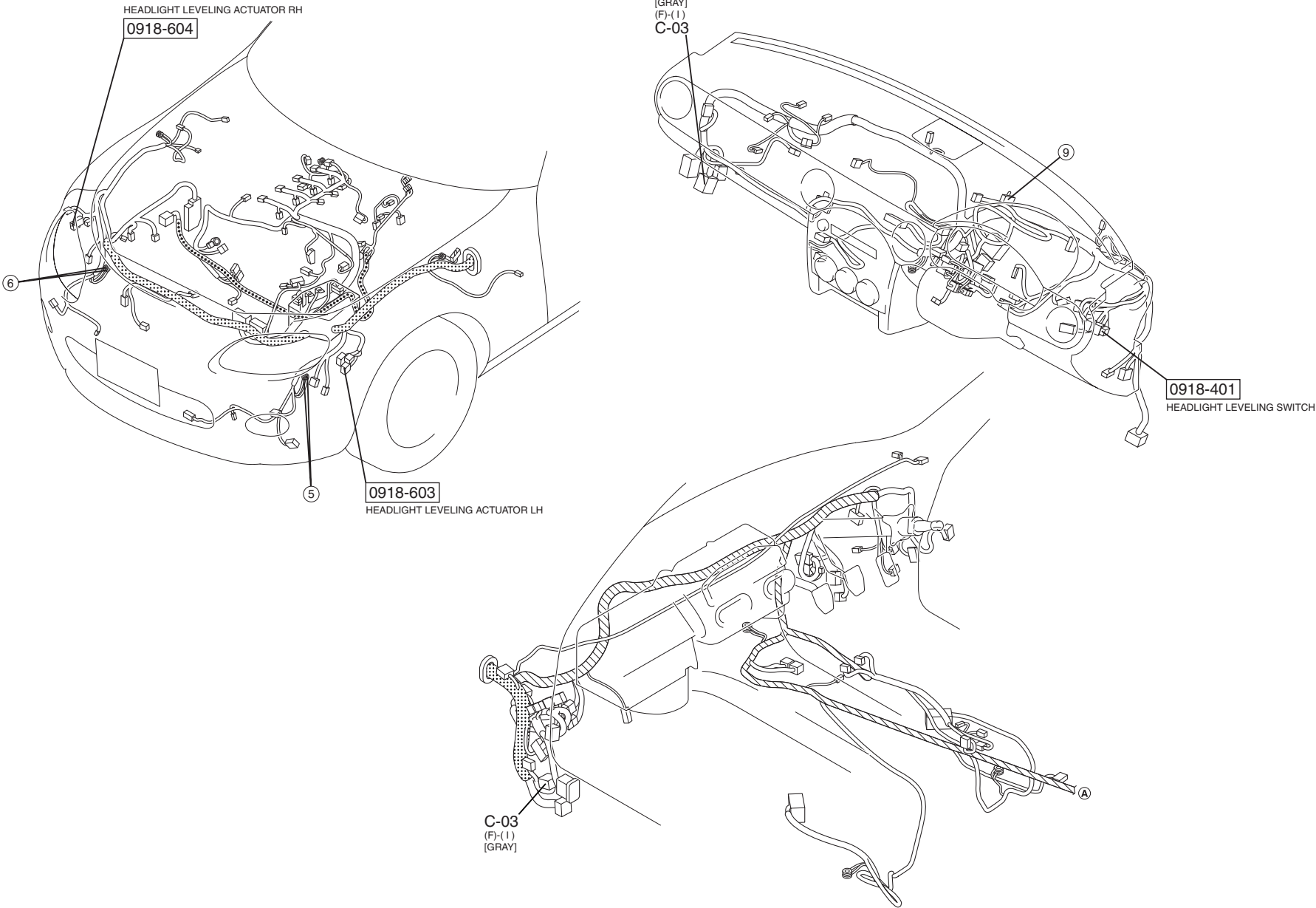


HARNESS SYMBOL:  (F)  (E)  (R)





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



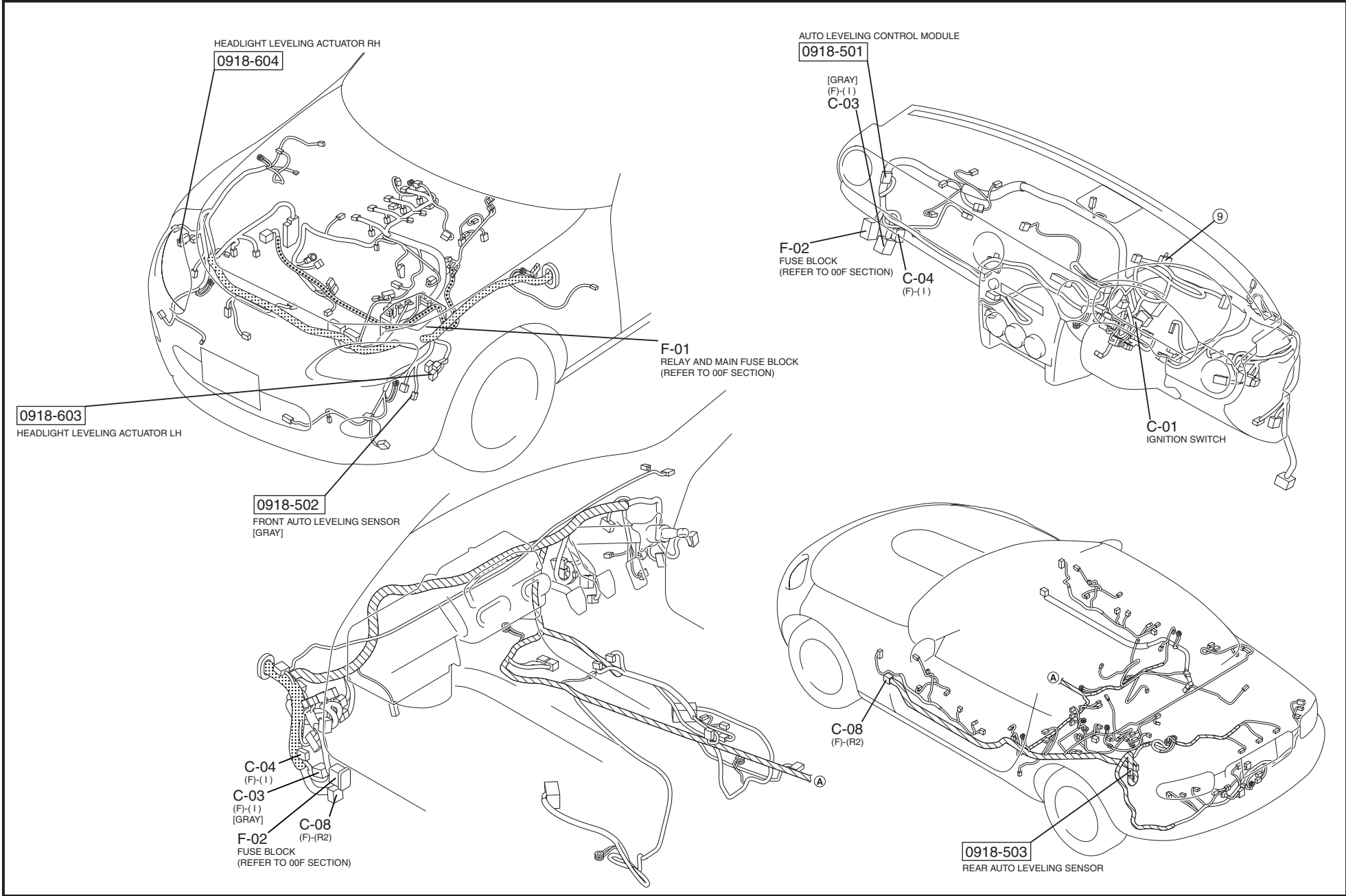


## 122

\*...VACANT

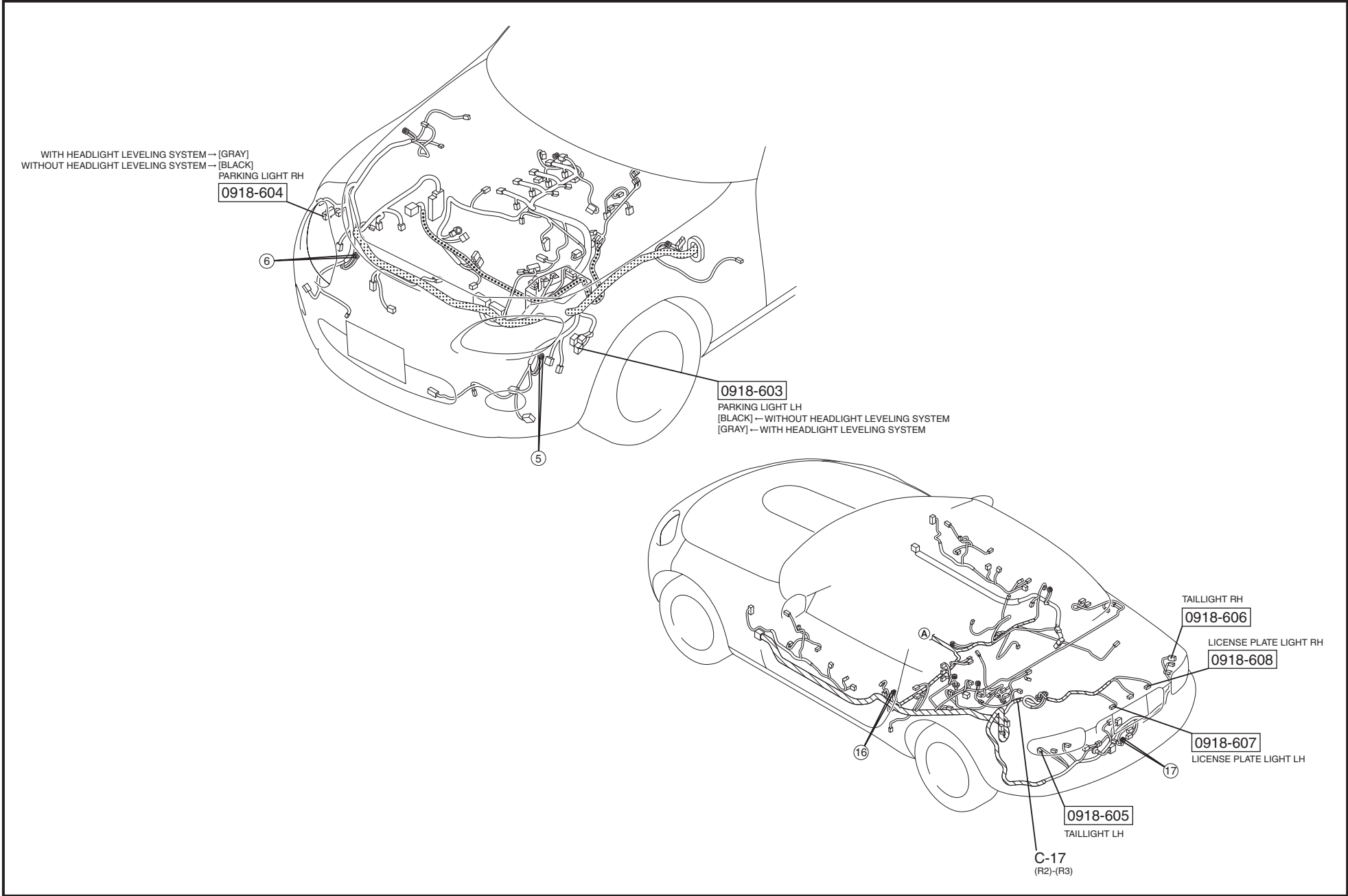


HARNESS SYMBOL:  (F)  (E)  (R)



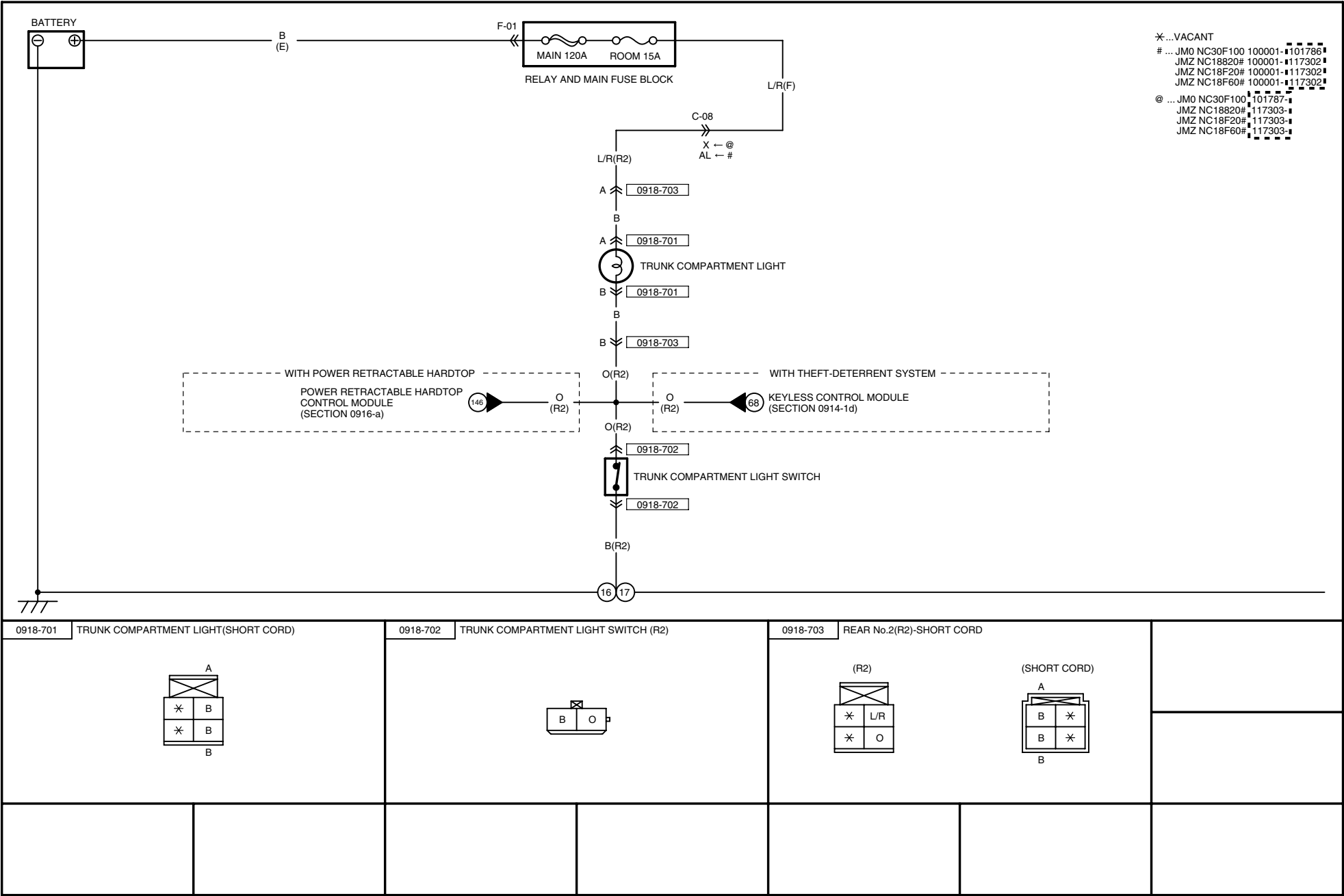


HARNESS SYMBOL:  (F)  (E)  (R)



TRUNK COMPARTMENT LIGHT

0918-7



\*...VACANT

# ... JM0 NC30F100 100001-1101786

JMZ NC18820# 100001-1117302

JMZ NC18F20# 100001-1117302

JMZ NC18F60# 100001-1117302

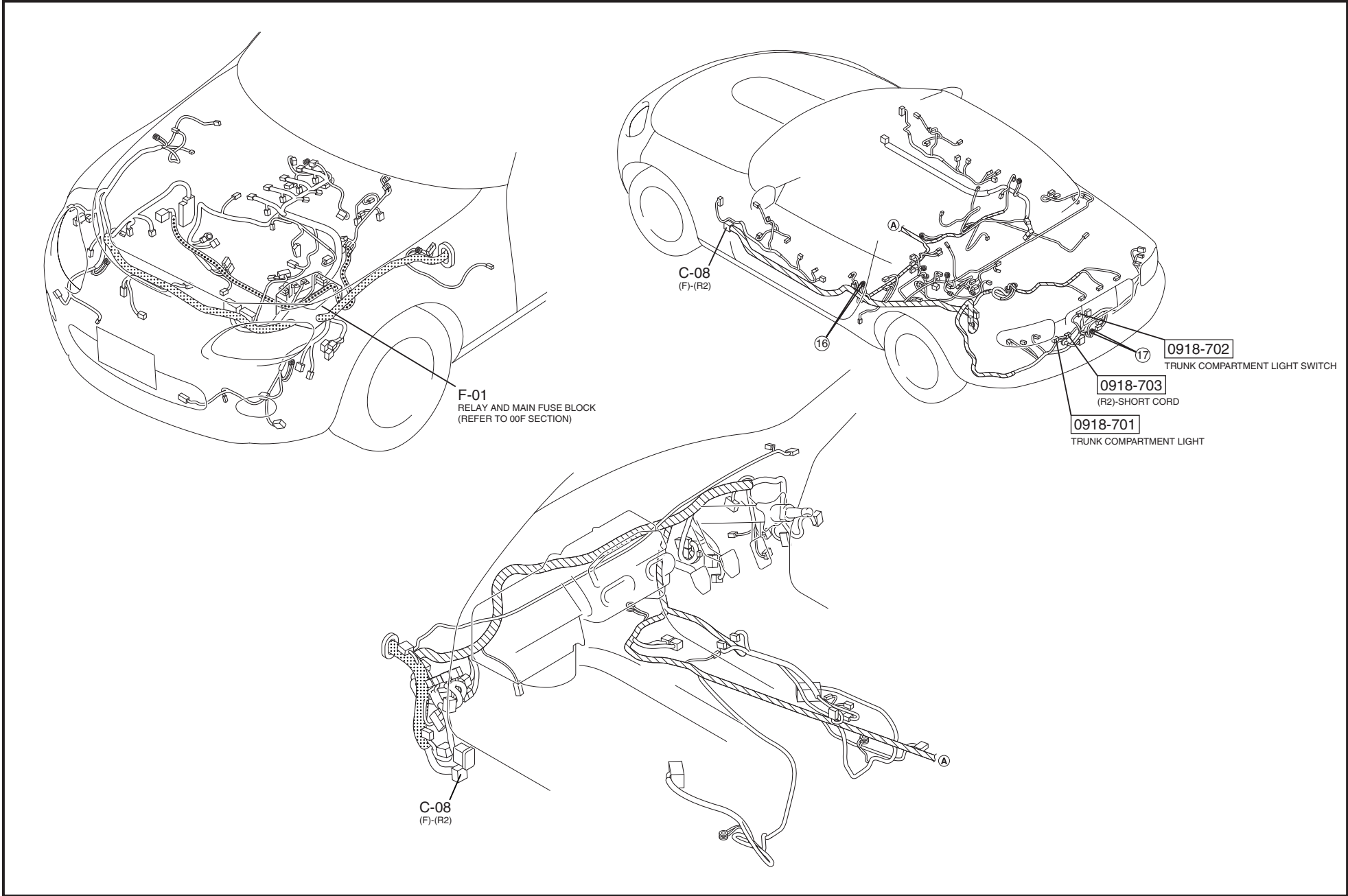
@ ... JM0 NC30F100 101787-1

JMZ NC18820# 117303

JMZ NC18F20# 117303

JMZ NC18F60# 117303

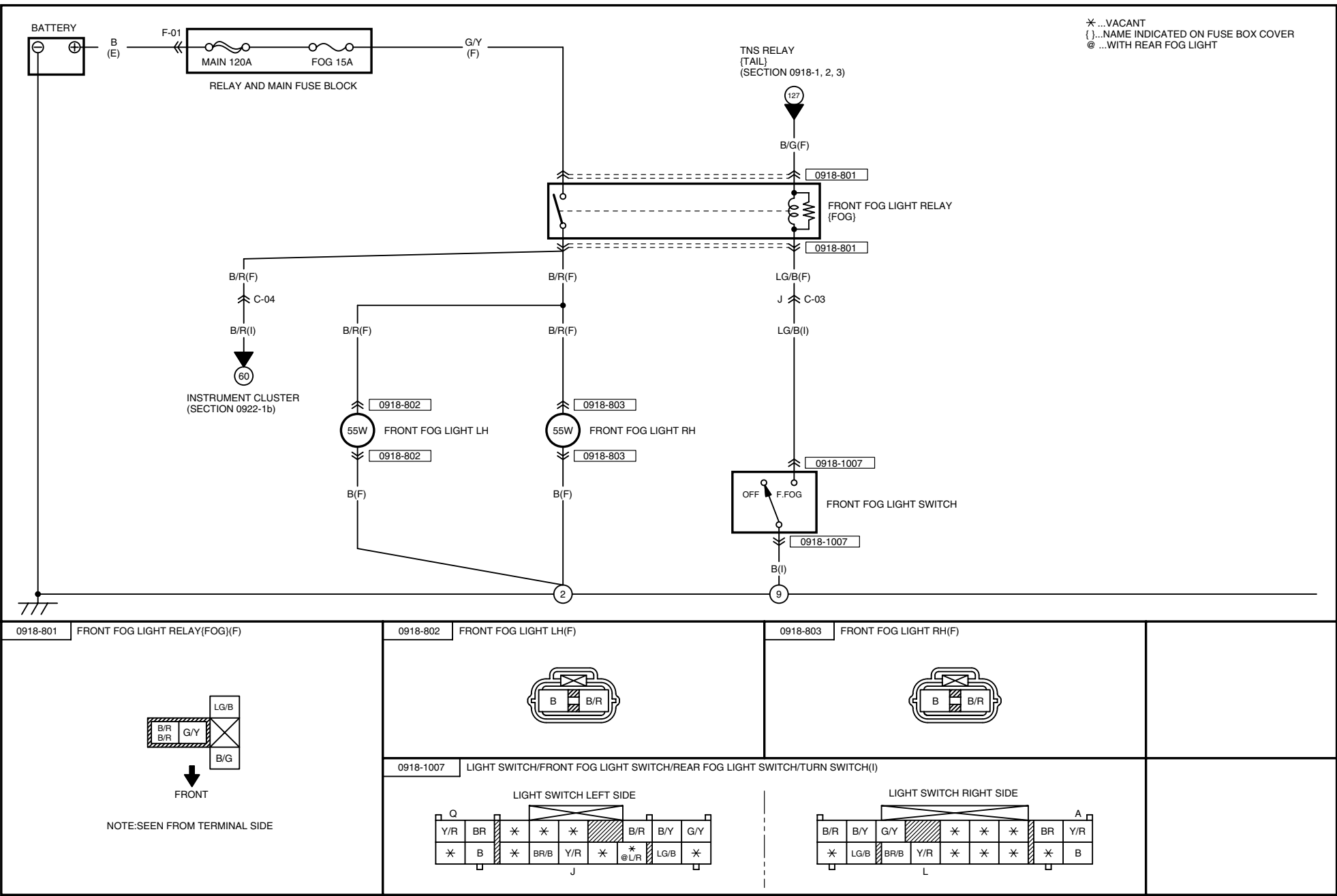
HARNESS SYMBOL:  (F)  (E)  (R)



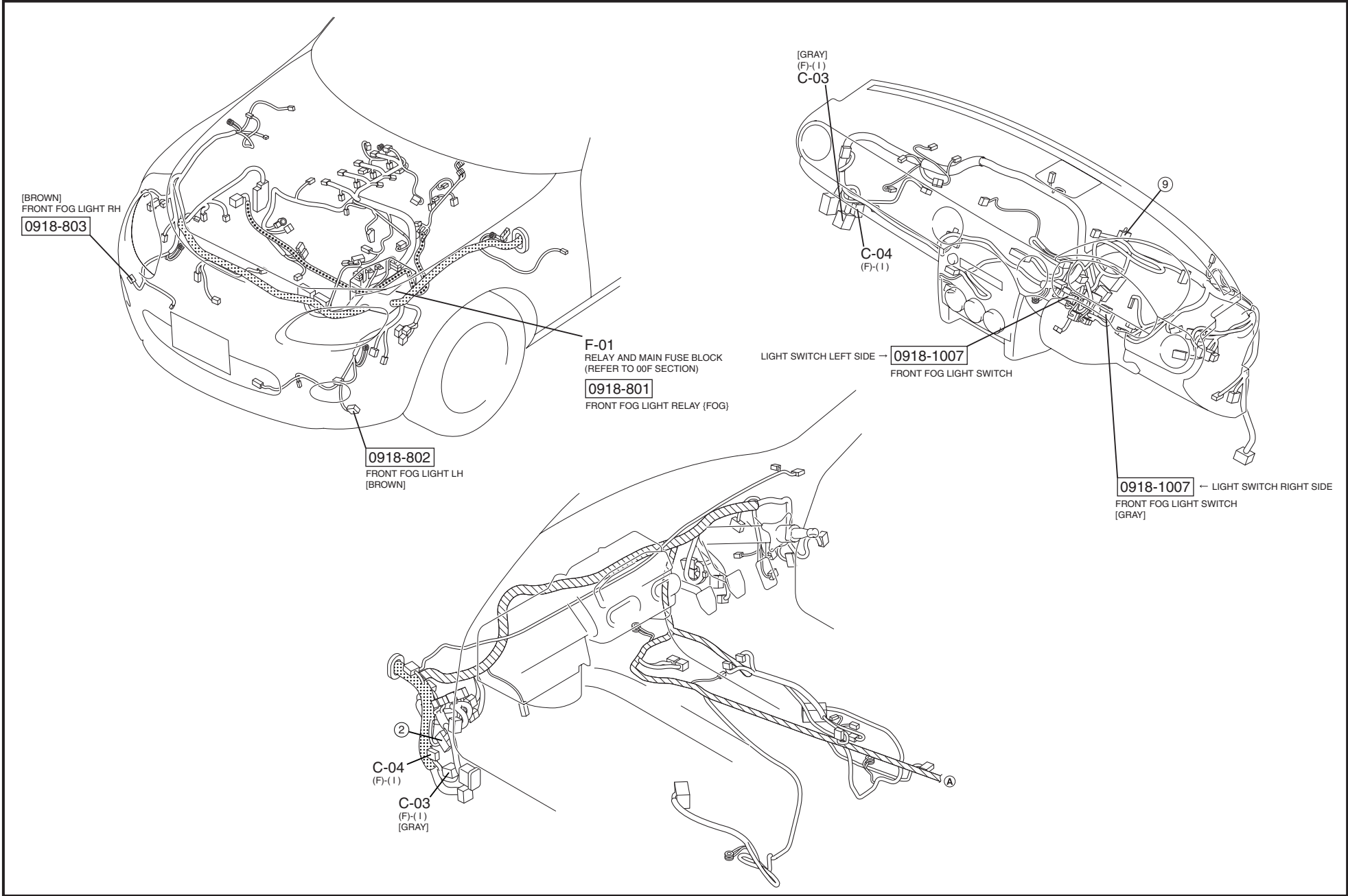
FRONT FOG LIGHT

0918-8

128



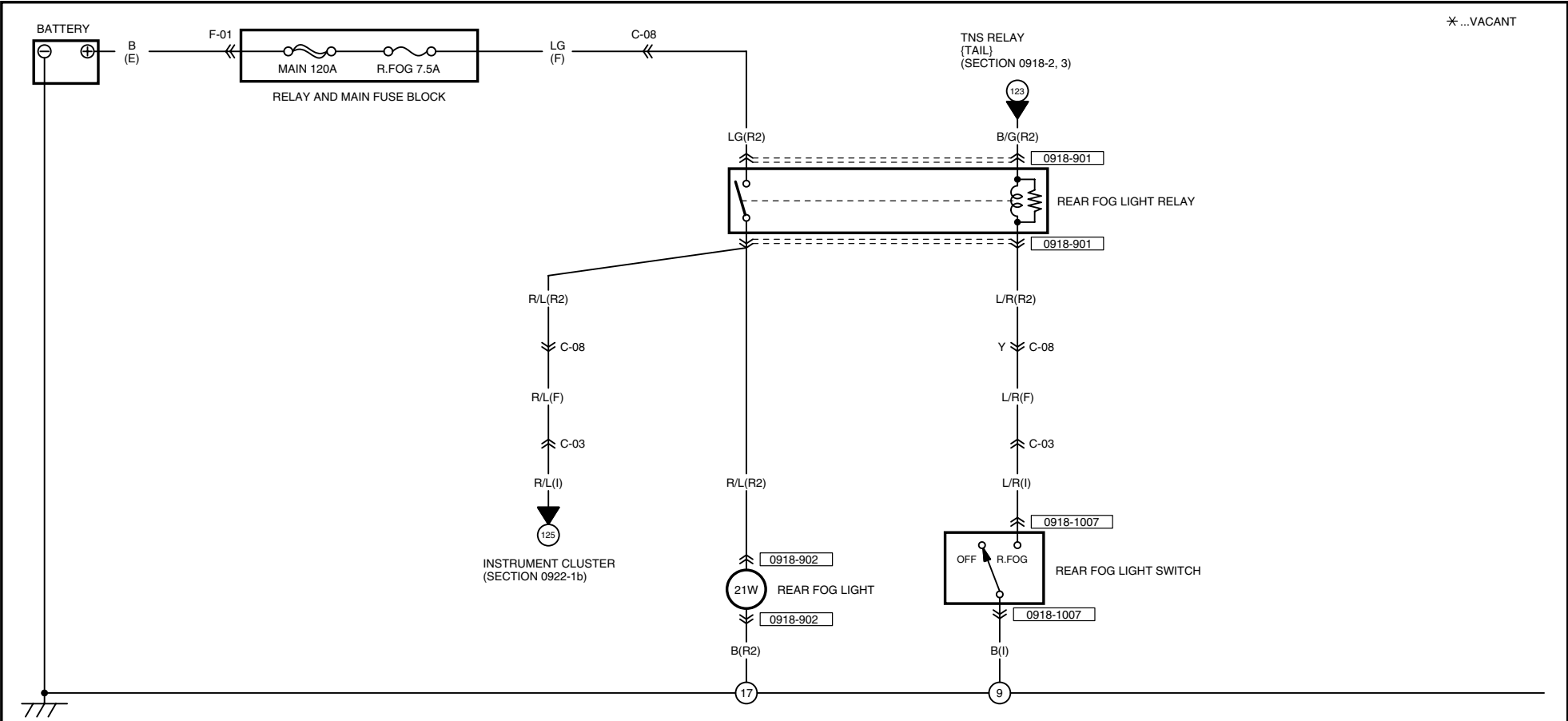
HARNESS SYMBOL:  (F)  (E)  (R)





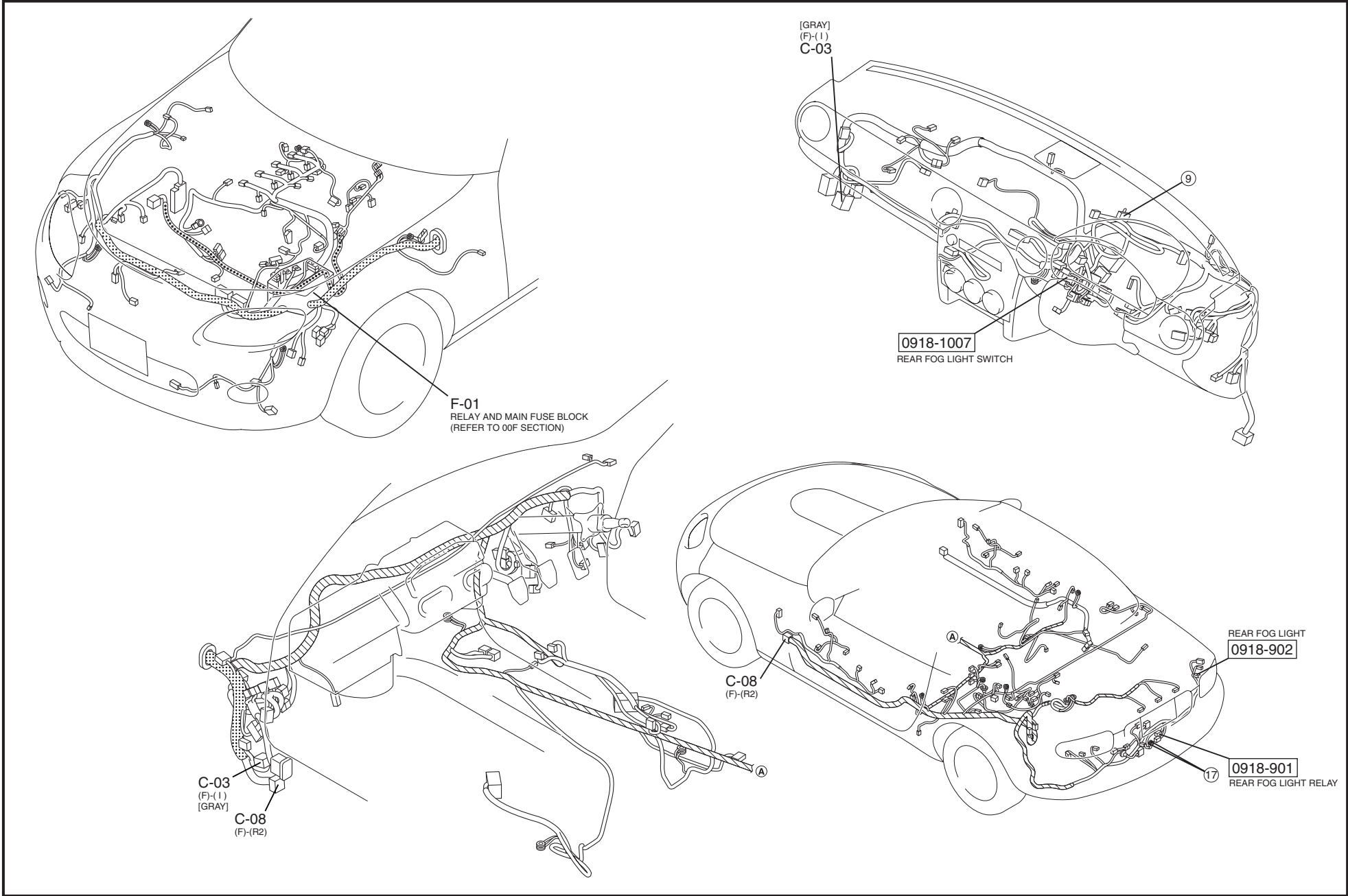
REAR FOG LIGHT

0918-9



0918-901 REAR FOG LIGHT RELAY(R2)		0918-902 REAR FOG LIGHT(R2)		0918-1007 LIGHT SWITCH/FRONT FOG LIGHT SWITCH/ REAR FOG LIGHT SWITCH/TURN SWITCH(I)	

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



## 132

**BATTERY** (B, E) → F-01

**RELAY AND MAIN FUSE BLOCK**

- HAZARD 10A
- IG KEY1 40A
- MAIN 120A
- IG KEY2 15A

**IGNITION SWITCH**

- L/B (F) → C-03 → L/B (I)
- W/G (F) → BB → W/G (I)
- Y/B (F) → Y/B (I)
- ST, OFF, OFF, ACC
- C-01
- IG2, IG1, ACC

**FLASHER CONTROL MODULE**

- G, D, F, H, J, I, A
- 0918-1001

**INSTRUMENT CLUSTER (SECTION 0922-1d)**

- 71, 72
- G/B (I), G/W (I)

**KEYLESS CONTROL MODULE (SECTION 0914-1b)**

- C-11
- O (I), O (R)
- 47

**HAZARD WARNING SWITCH**

- 0918-1006

**Turn Lights:**

- 5W FRONT SIDE TURN LIGHT RH (0918-1008)
- 21W FRONT TURN LIGHT RH (0918-1002)
- 21W FRONT TURN LIGHT LH (0918-1003)
- 5W FRONT SIDE TURN LIGHT LH (0918-1009)
- 21W REAR TURN LIGHT RH (0918-1004)
- 21W REAR TURN LIGHT LH (0918-1005)

**Wiring Diagram Details:**

- Wires are color-coded: B (Black), W (White), G (Green), Y (Yellow), R (Red), L (Light Blue), F (Fluorescent), I (Insulated), O (Orange), P (Purple), M (Maroon), N (Navy), S (Silver), U (Ultra), V (Violet), X (X-ray), Z (Zinc).
- Wire sizes are indicated in parentheses: (F) for fused, (I) for insulated.
- Connectors are labeled with letters and numbers: C-01, C-03, C-04, C-08, C-11.
- Grounds are indicated by a triangle symbol.

**Legend:**

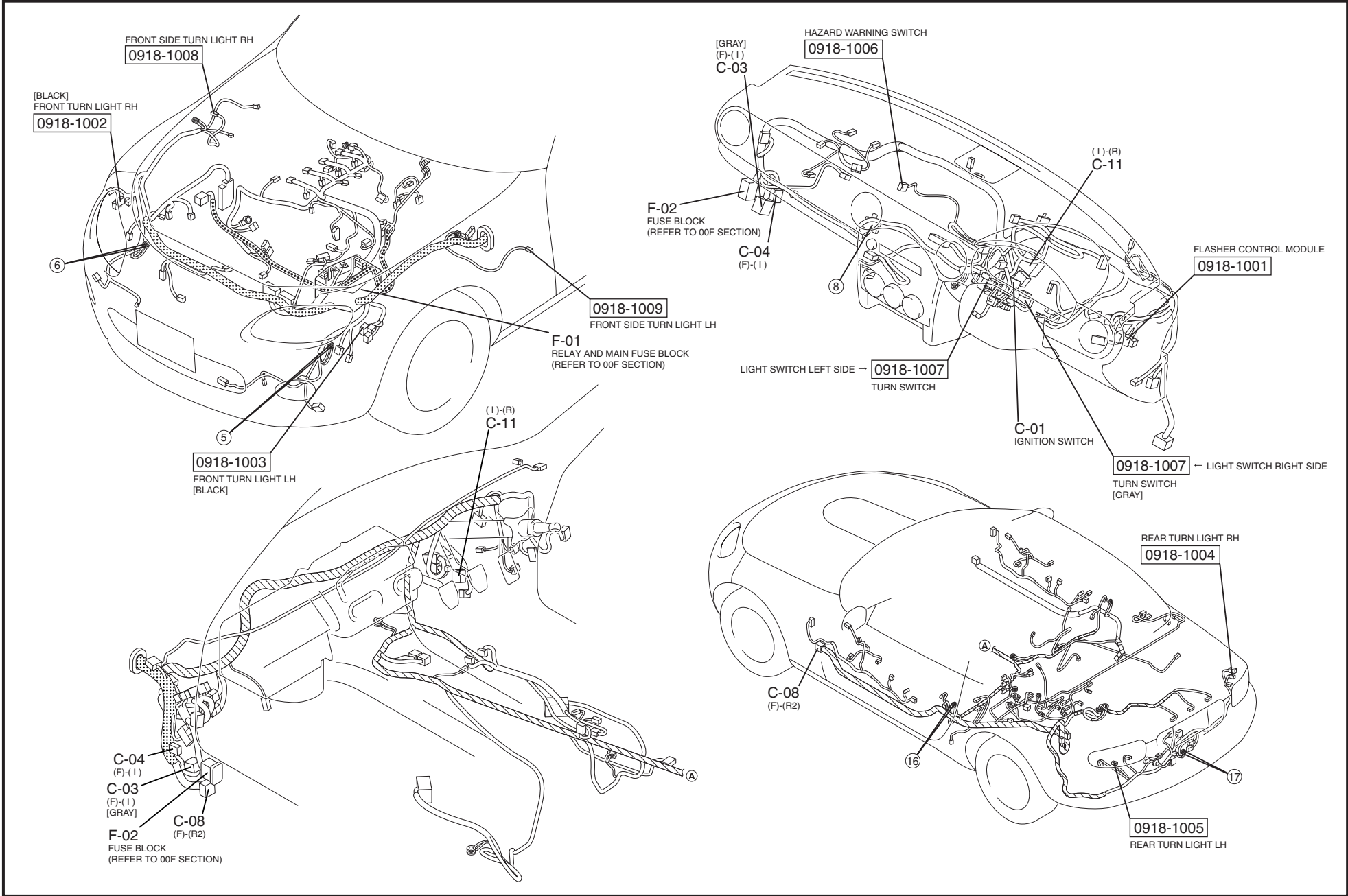
- \* ...VACANT
- # ...WITH PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH,
- JM0 NC30F100# 101787-
- JMZ NC18820# 117303-
- JMZ NC18F20# 117303-
- JMZ NC18F60# 117303-
- @ ...WITH REAR FOG LIGHT
- % ...JM0 NC30F100# 101787-
- JMZ NC18820# 117303-
- JMZ NC18F20# 117303-
- JMZ NC18F60# 117303-

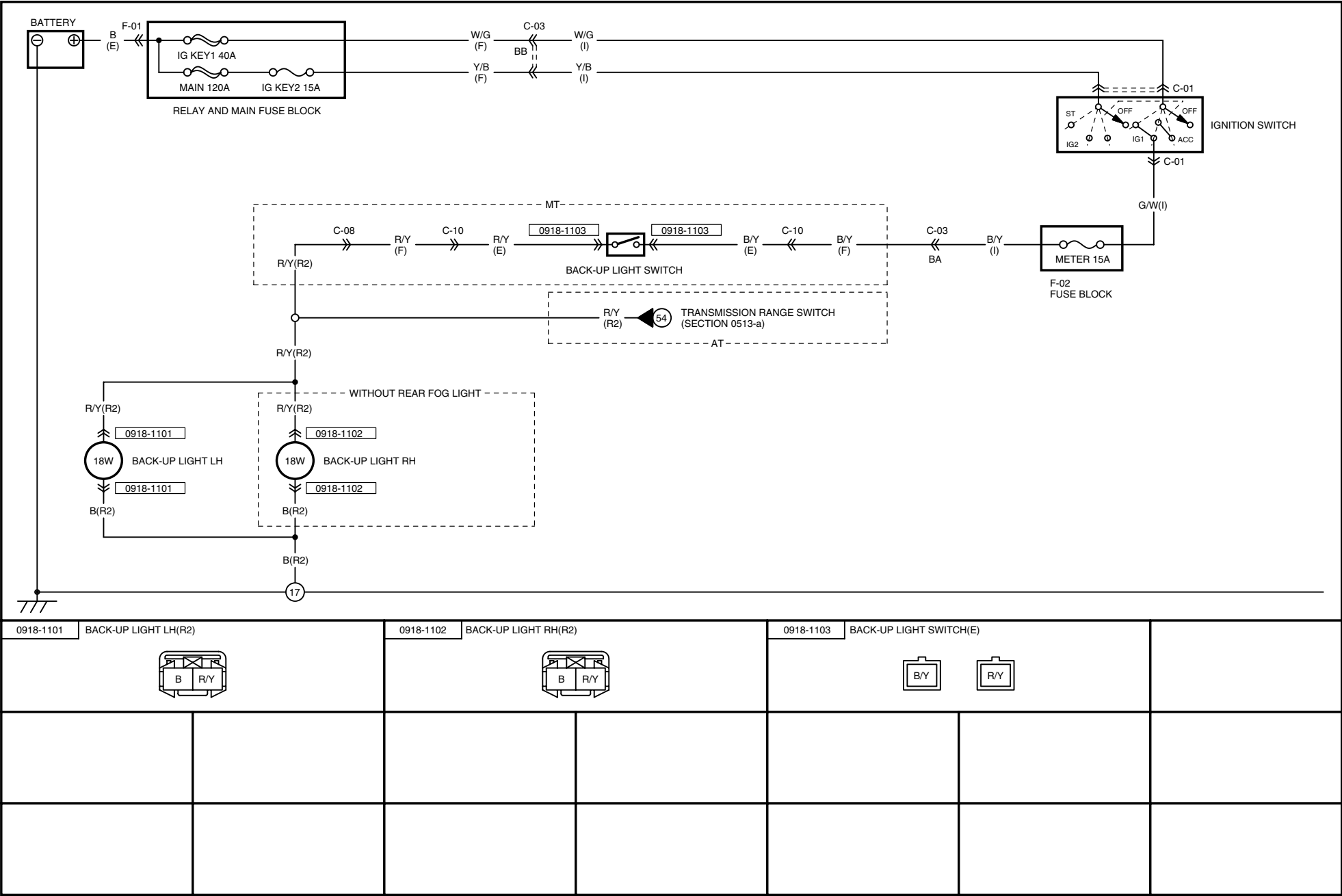
**Connector Pinouts:**

Connector	Pin	Wire Color
0918-1001	I	B/R
	G	G/W
	A	L/B
	J	G/Y
	H	O
	F	B
0918-1002	B	G/W
	G	G/W
	F	B
	D	B
0918-1003	B/R	G/B
	G/B	G/B
	F	B
	D	B
0918-1004	B	G/W
	G	G/W
	F	B
	D	B
0918-1005	B	G/B
	G	G/B
	F	B
	D	B
0918-1006	B	G/W
	G	G/W
	F	B
	D	B
0918-1007	B	G/W
	G	G/W
	F	B
	D	B
0918-1008	B	G/W
	G	G/W
	F	B
	D	B
0918-1009	B	G/B
	G	G/B
	F	B
	D	B

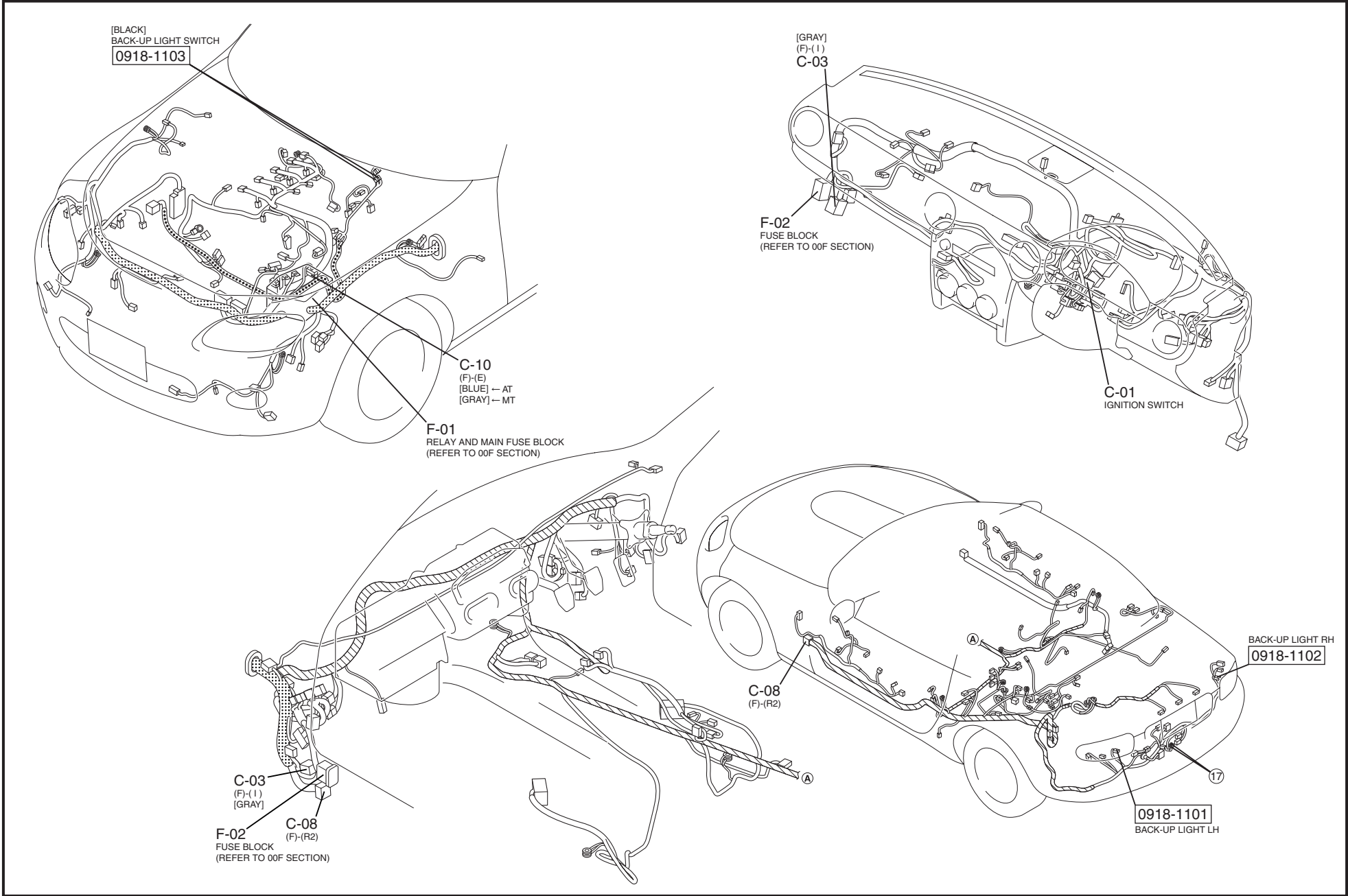
## Mazda MX-5 Wiring Diagram (5686-1\*-06F)

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



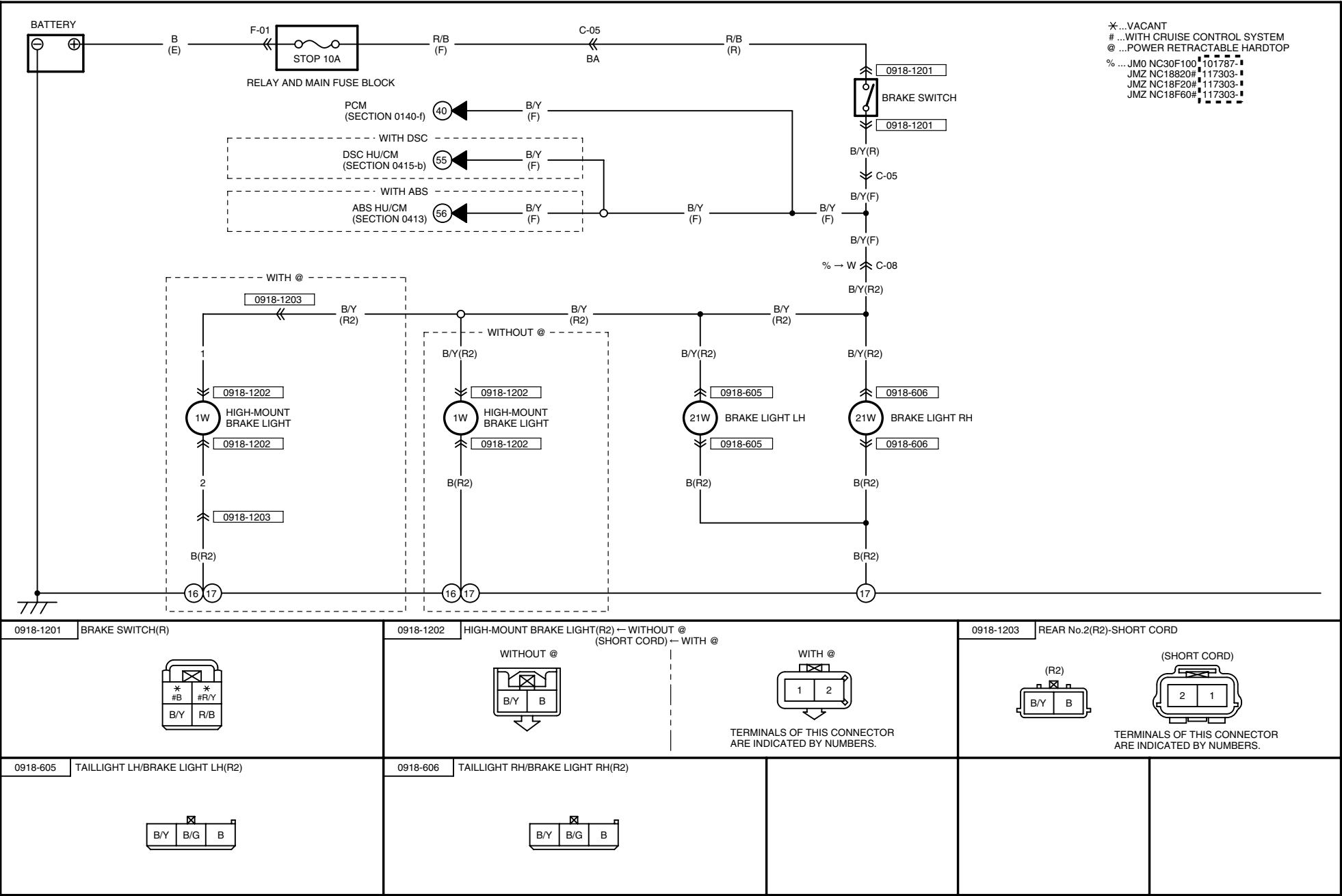


HARNESS SYMBOL:  (F)  (E)  (R)

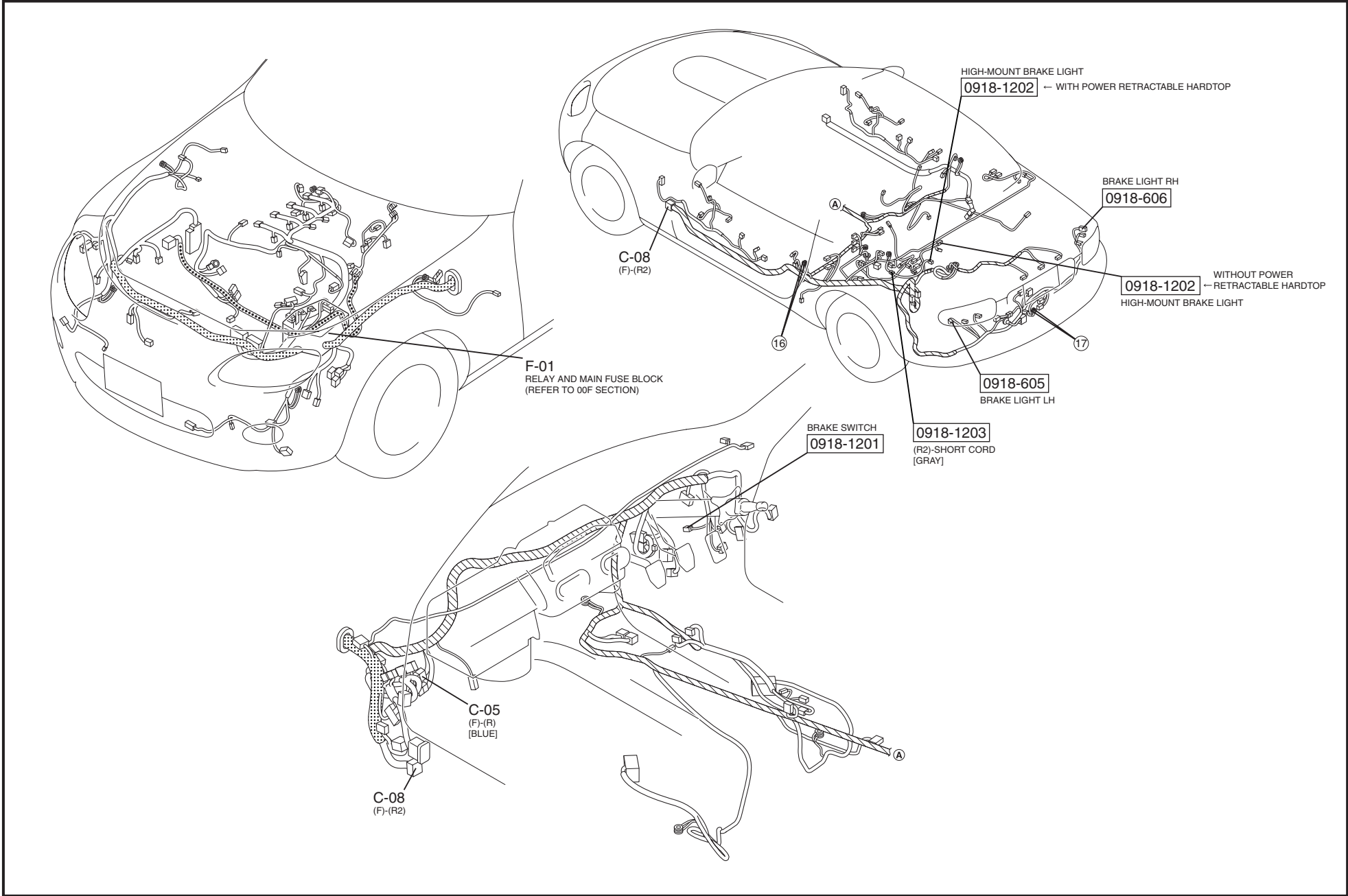


BRAKE LIGHT / HIGH-MOUNT BRAKE LIGHT

0918-12



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

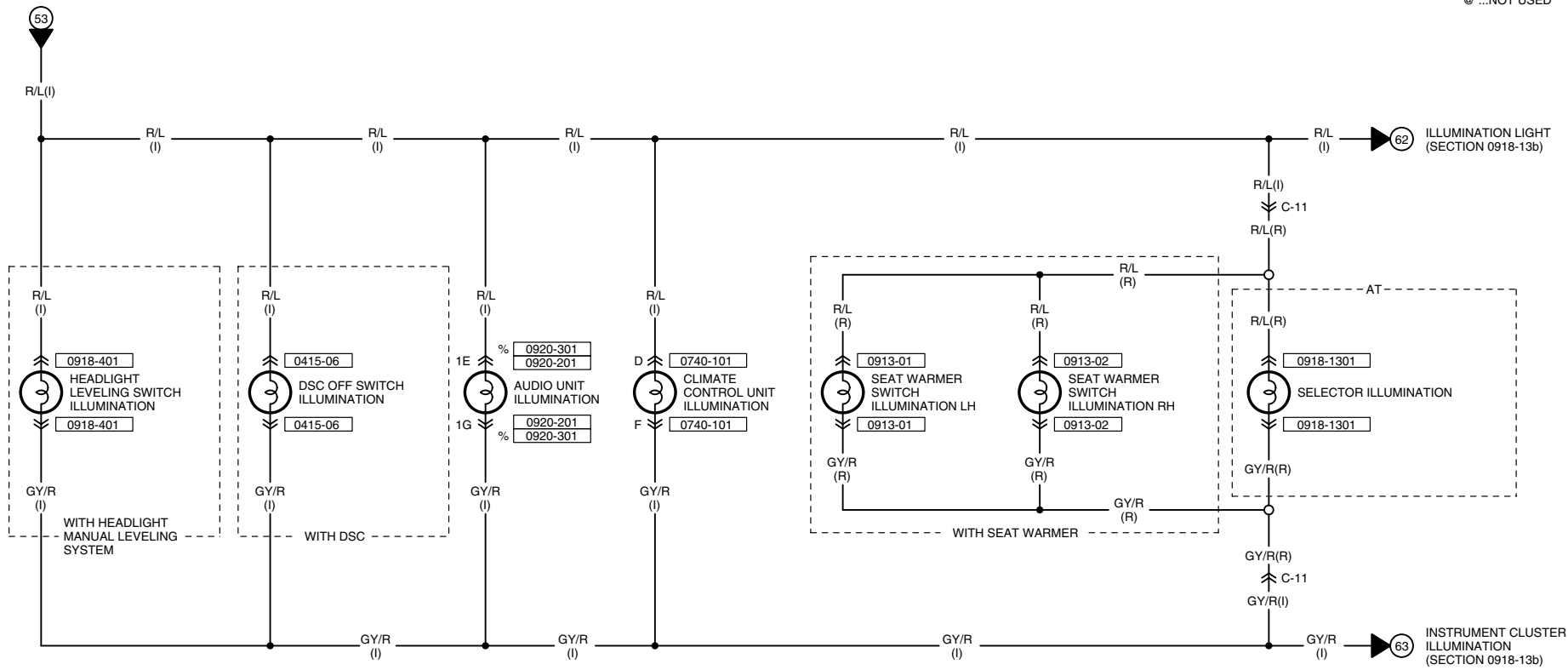




ILLUMINATION LIGHT

0918-13a

TNS RELAY  
(TAIL)  
(SECTION  
0918-1, 2, 3)

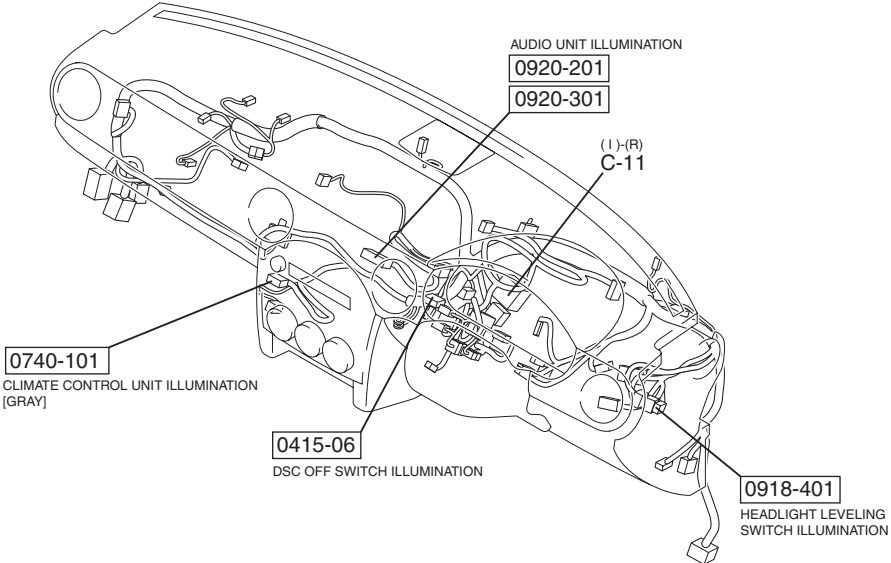
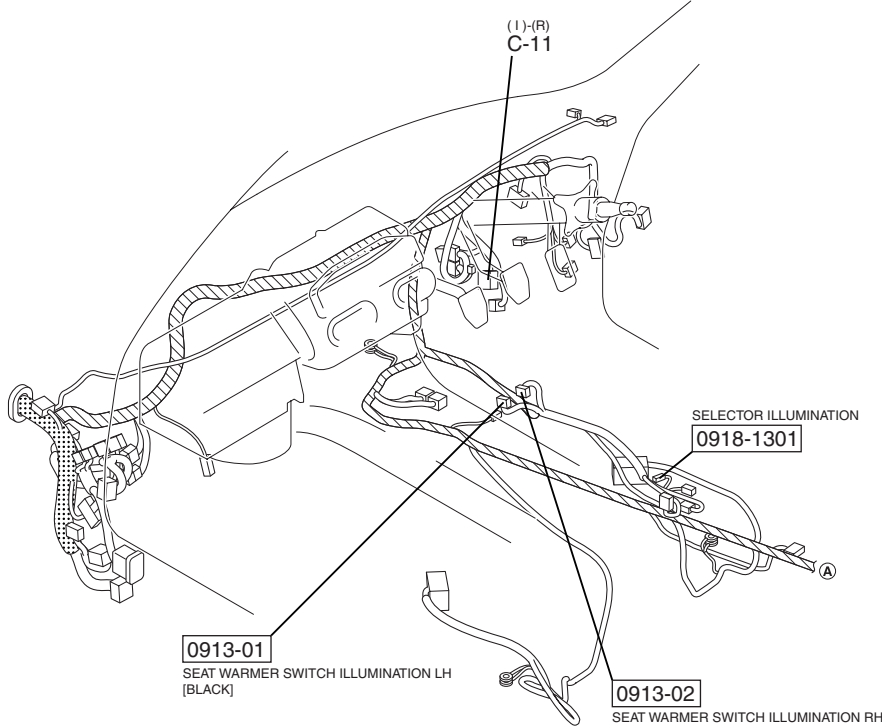


\* ...VACANT  
% ...WITH BOSE  
# ...WITH AUTO A/C  
@ ...NOT USED

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0918-1301 SELECTOR ILLUMINATION (R) 	0415-06 DSC OFF SWITCH/ DSC OFF SWITCH ILLUMINATION(I) 	0913-01 SEAT WARMER SWITCH LH/ SEAT WARMER SWITCH ILLUMINATION LH(R) 	0913-02 SEAT WARMER SWITCH RH/ SEAT WARMER SWITCH ILLUMINATION RH(R) 
0740-101 CLIMATE CONTROL UNIT/ CLIMATE CONTROL UNIT ILLUMINATION(I) 	0918-401 HEADLIGHT LEVELING SWITCH/ HEADLIGHT LEVELING SWITCH ILLUMINATION(I) 	% 0920-201 0920-301 	

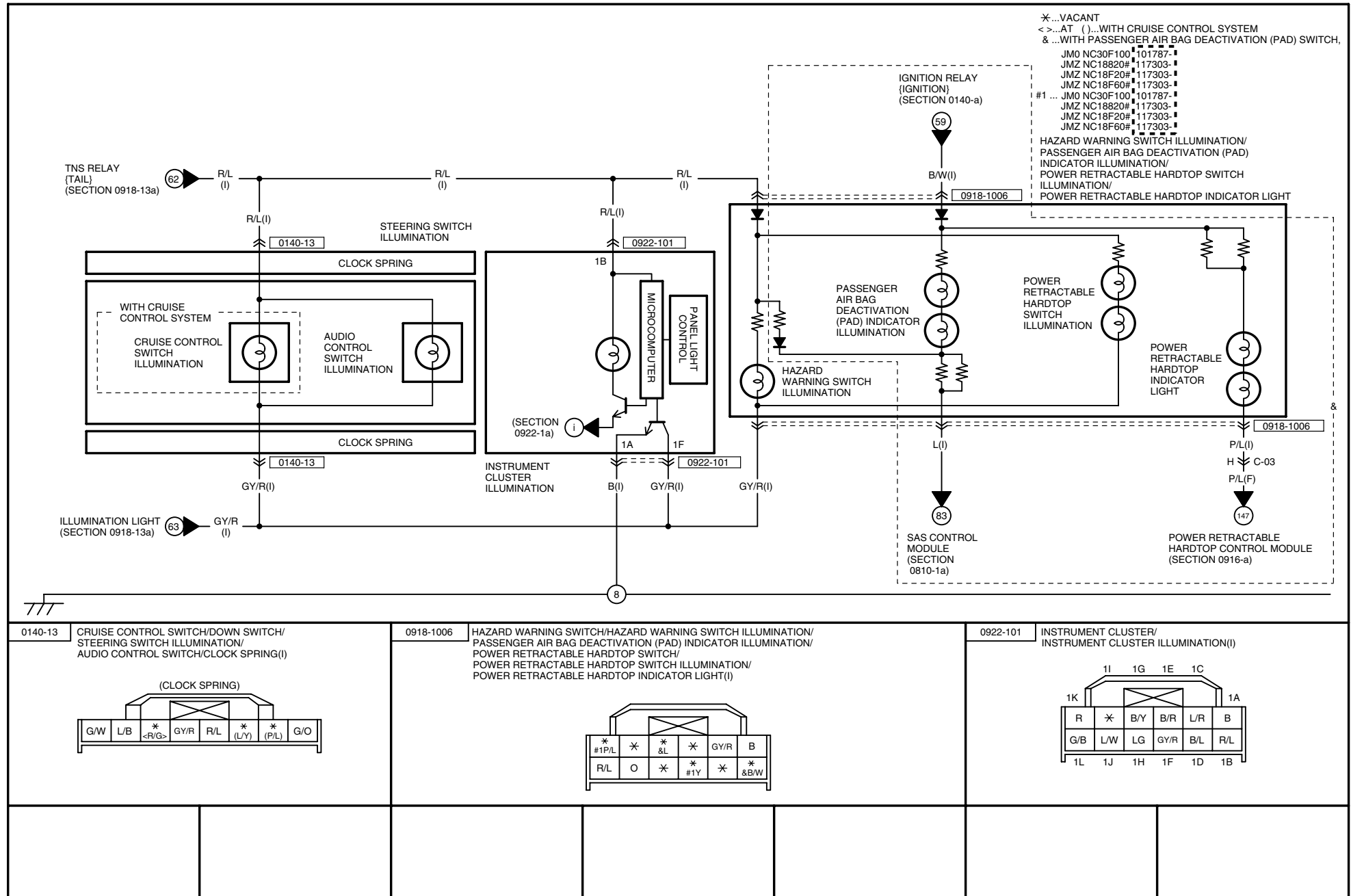
HARNESS SYMBOL:  (F)  (E)  (R)



# ILLUMINATION LIGHT

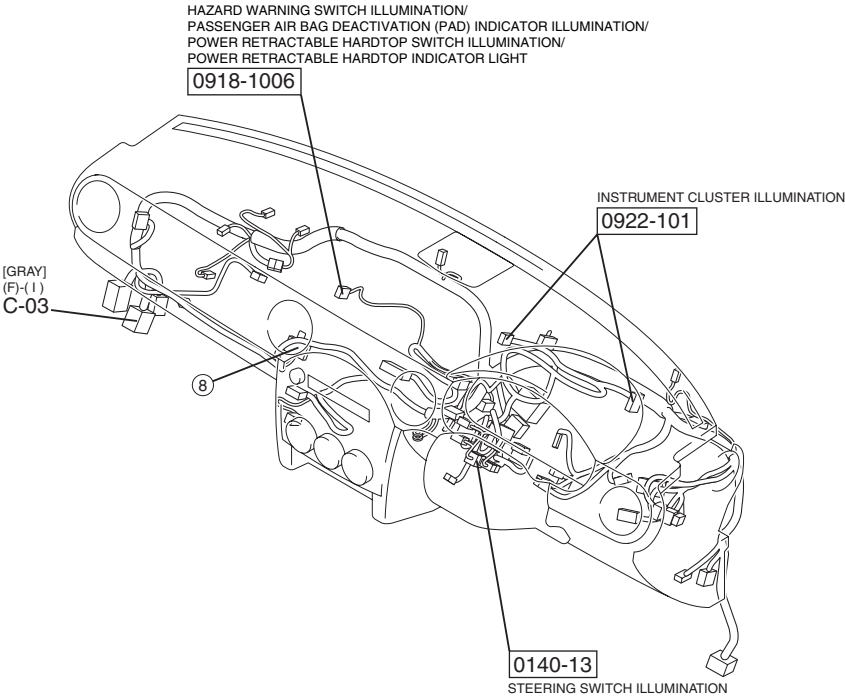
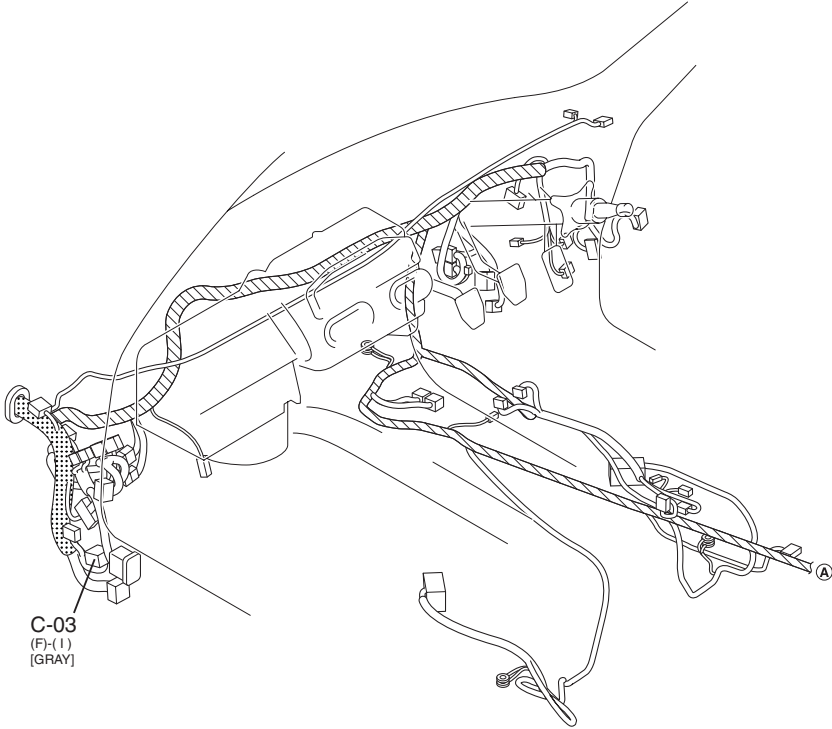
0918-13b

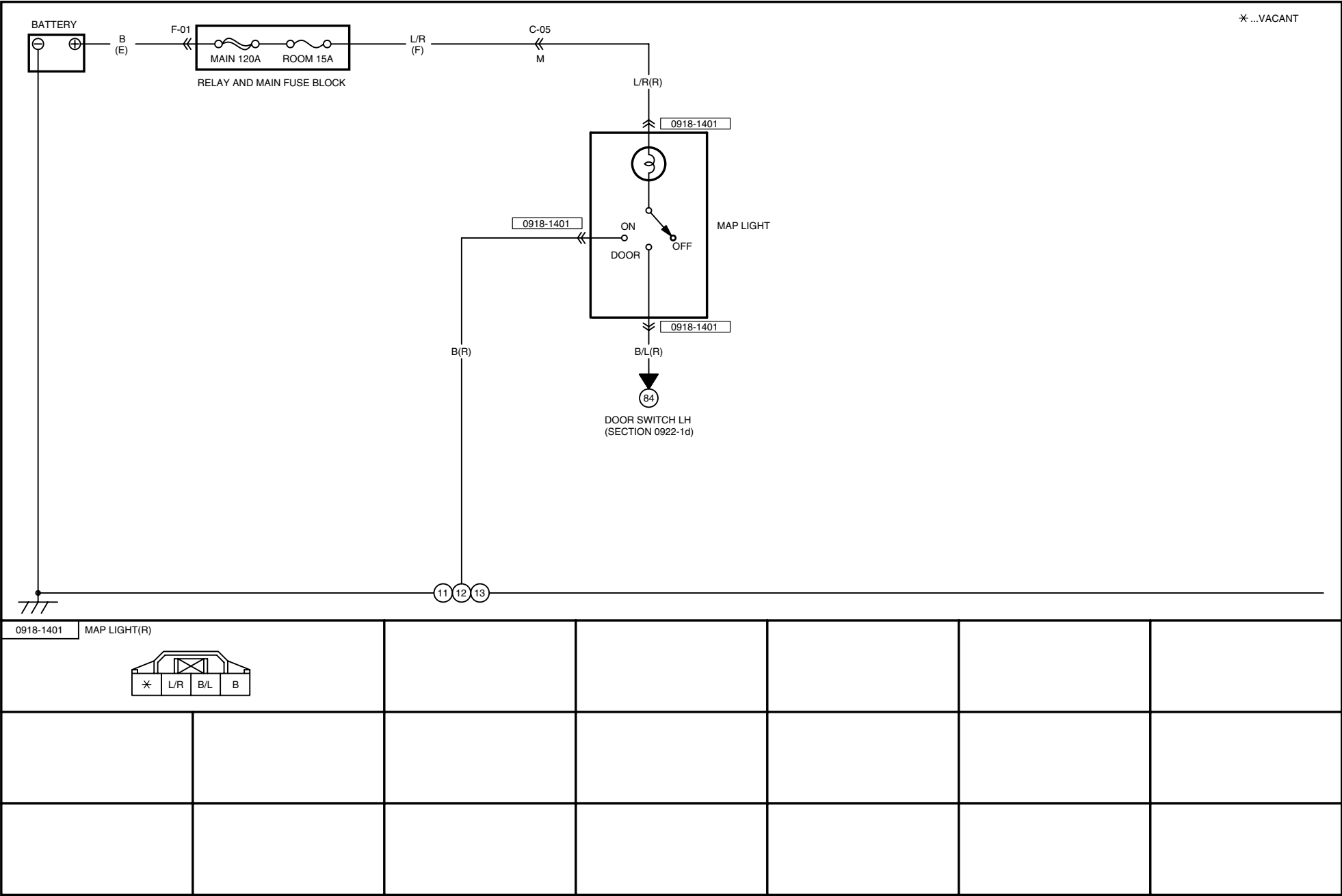
Mazda MX-5 Wiring Diagram (5686-1\*-06F)



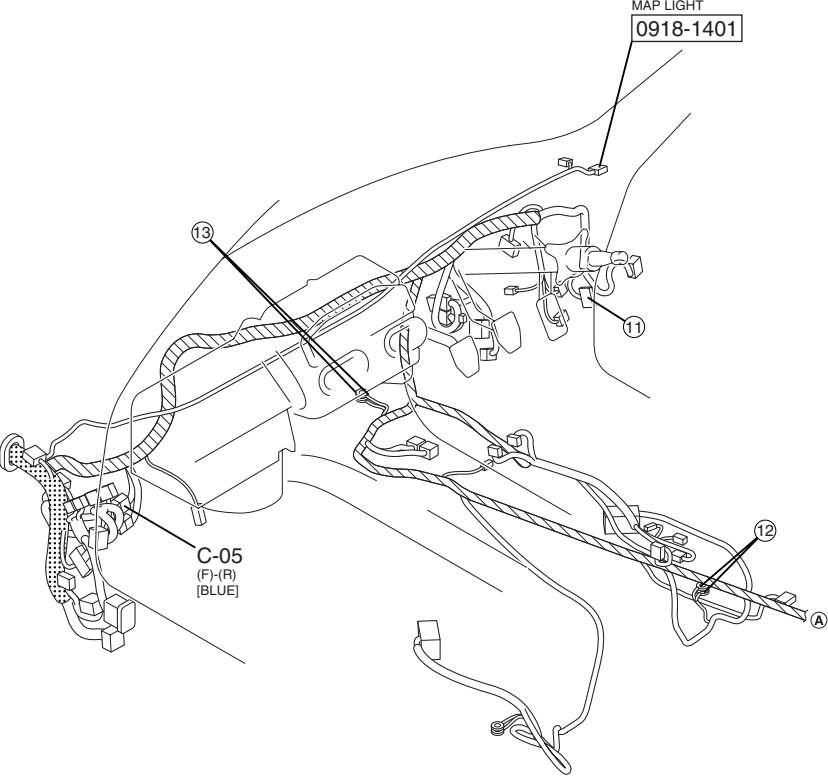
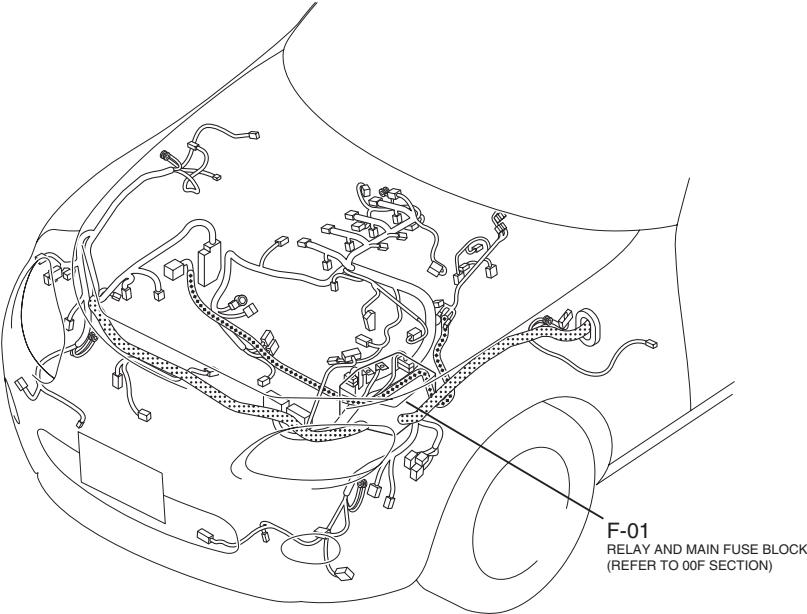
HARNESS SYMBOL:  (F)  (E)  (R)

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



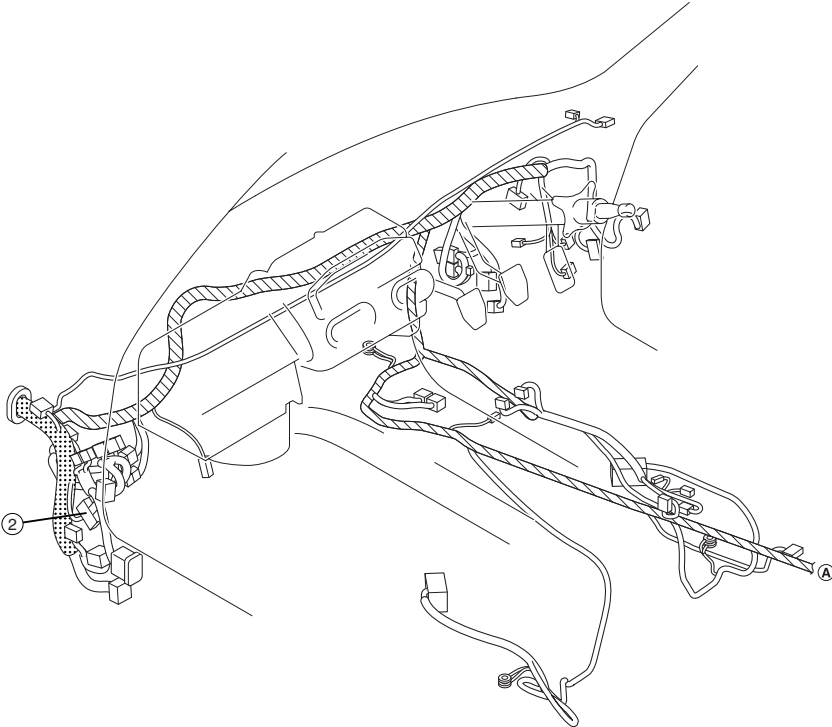


HARNESS SYMBOL:  (F)  (E)  (R)

[GRAY]  
HEADLIGHT CLEANER MOTOR  
0918-1502

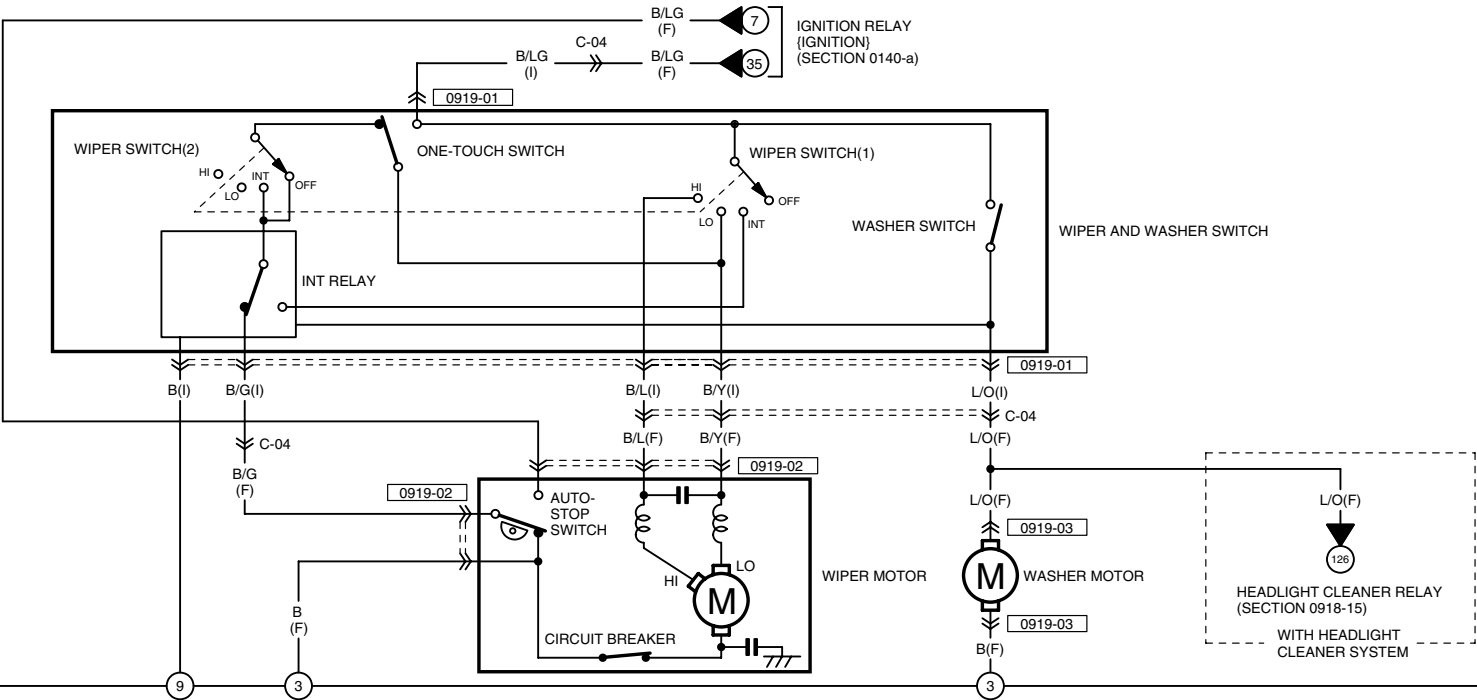
F-01  
RELAY AND MAIN FUSE BLOCK  
(REFER TO 00F SECTION)

0918-1501  
HEADLIGHT CLEANER RELAY  
[GRAY]



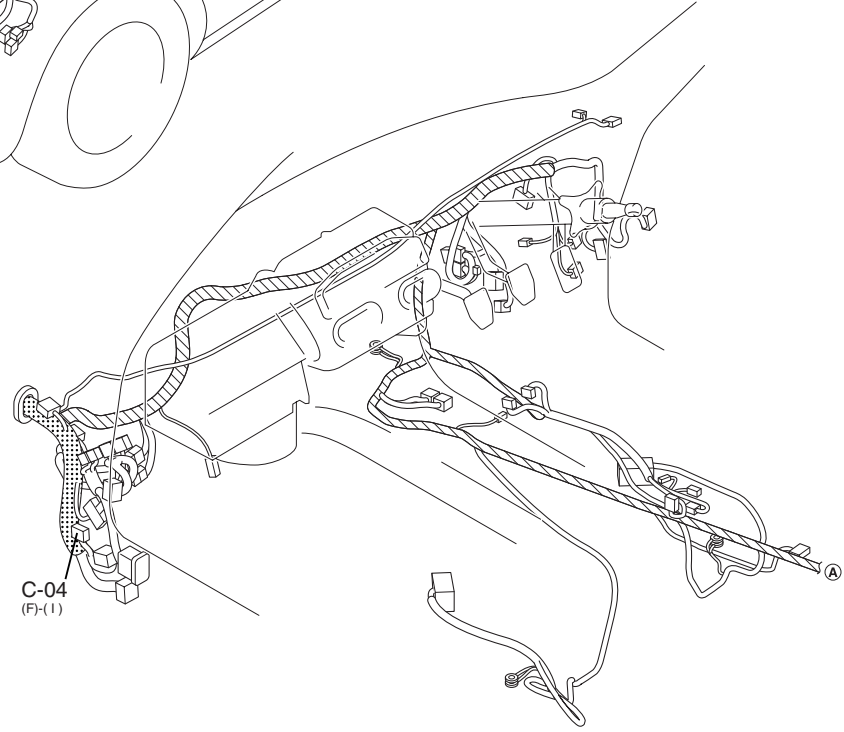
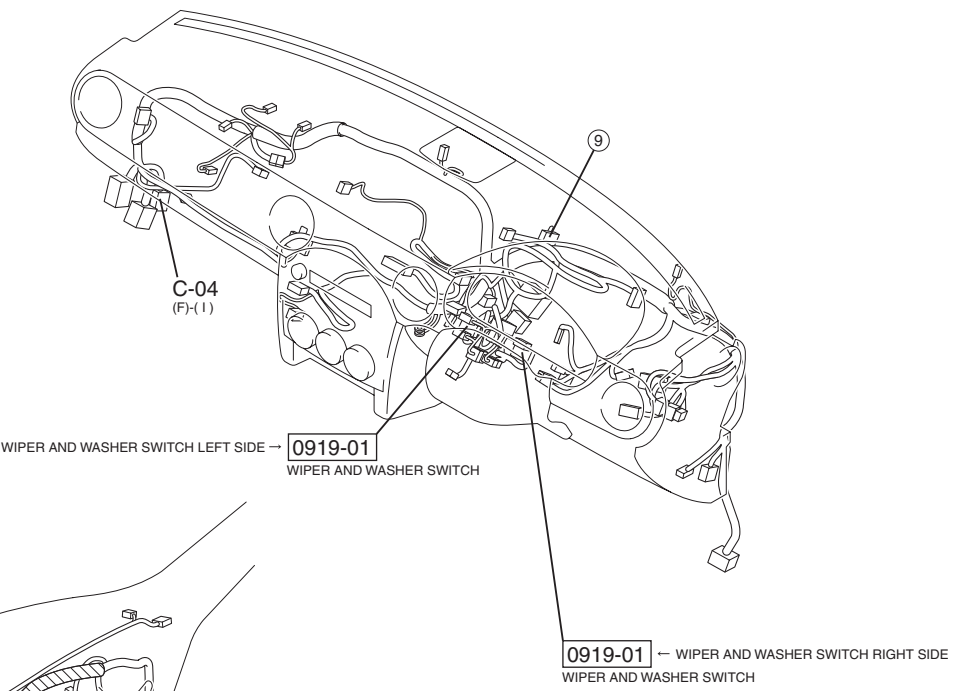
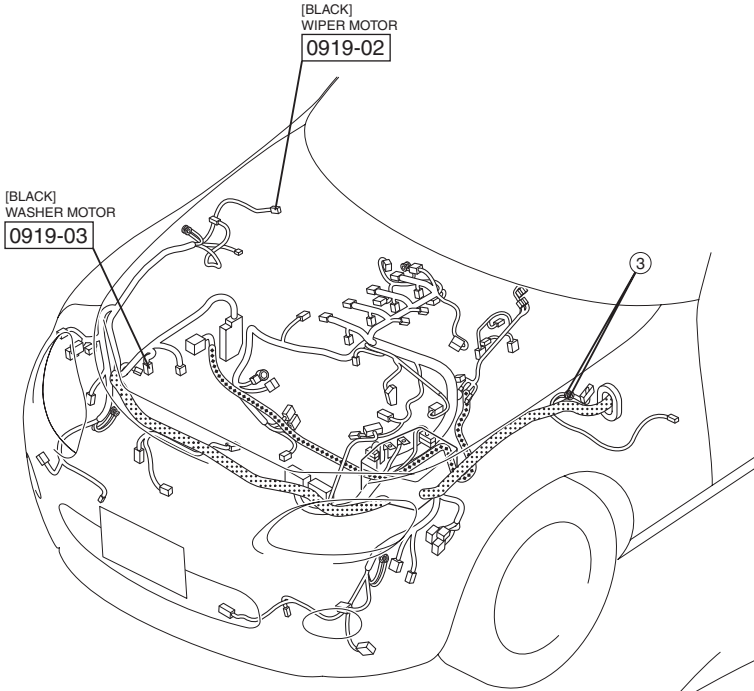


\* ...VACANT  
# ...WIPER AND WASHER SWITCH LEFT SIDE



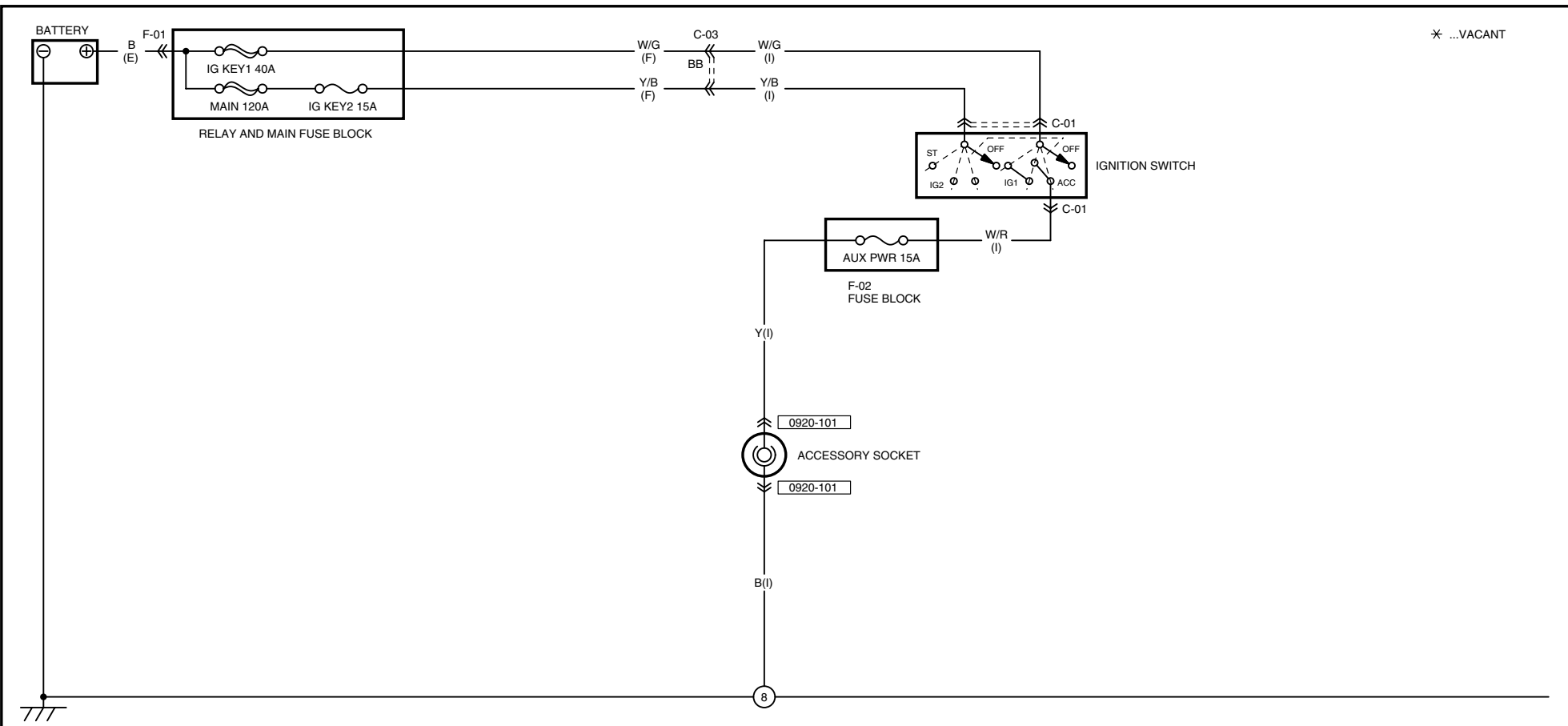
0919-01	WIPER AND WASHER SWITCH(I)	0919-02	WIPER MOTOR(F)	0919-03	WASHER MOTOR(F)																									
<table><tr><td>B/L #L/O</td><td>B #B/G</td><td>B/Y #B/LG</td><td></td><td>B/LG #B/Y</td><td>B/G #B</td><td>L/O #B/L</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td></tr></table>		B/L #L/O	B #B/G	B/Y #B/LG		B/LG #B/Y	B/G #B	L/O #B/L	*	*	*	*	*	*	*	<table><tr><td>B/Y</td><td>B/L</td><td>B/G</td></tr><tr><td>B/LG</td><td>*</td><td>B</td></tr></table>		B/Y	B/L	B/G	B/LG	*	B	<table><tr><td colspan="2"></td></tr><tr><td>B</td><td>L/O</td></tr></table>				B	L/O	
B/L #L/O	B #B/G	B/Y #B/LG		B/LG #B/Y	B/G #B	L/O #B/L																								
*	*	*	*	*	*	*																								
B/Y	B/L	B/G																												
B/LG	*	B																												
B	L/O																													

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



ACCESSORY SOCKET

0920-1



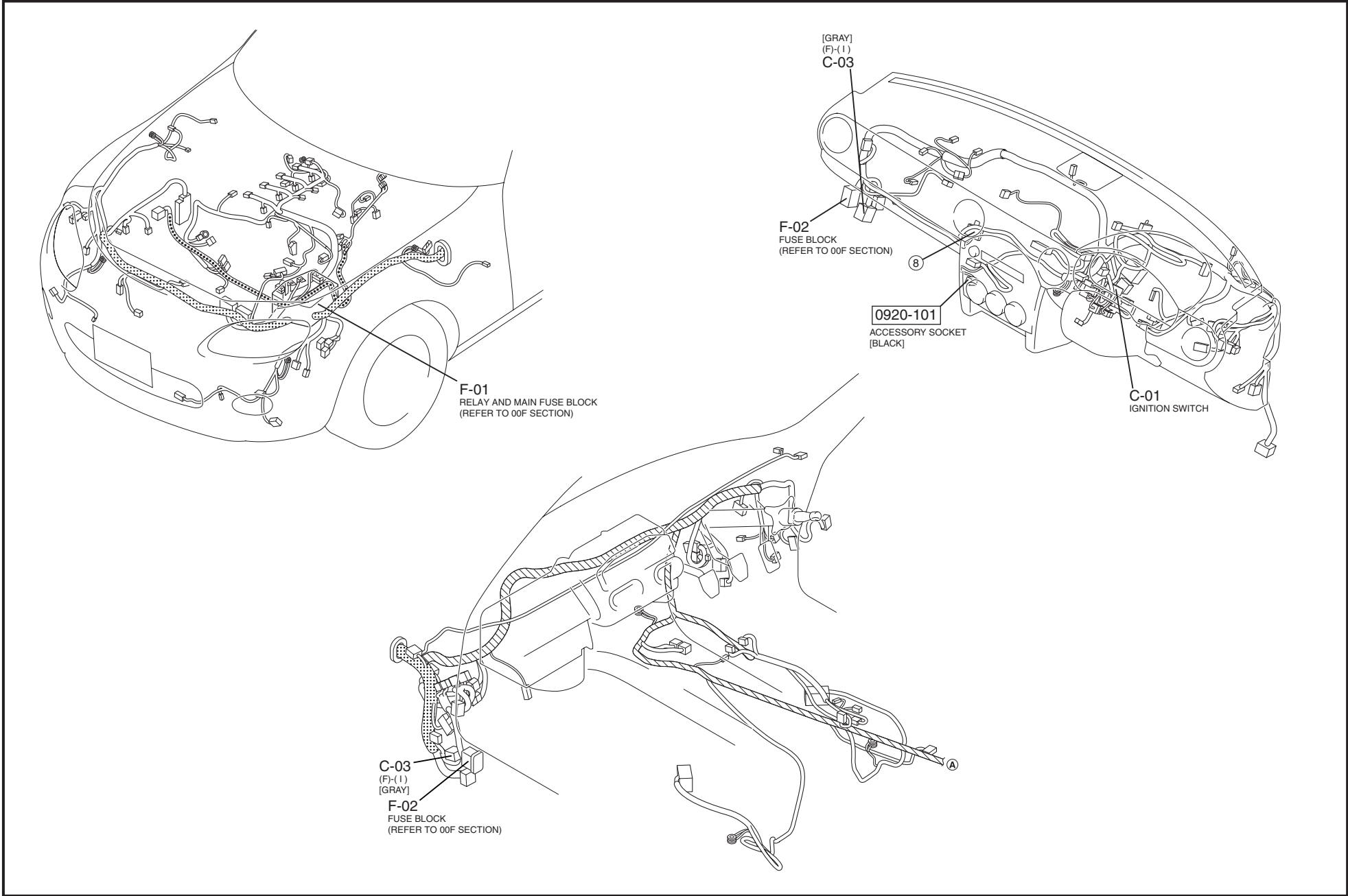
\* ...VACANT

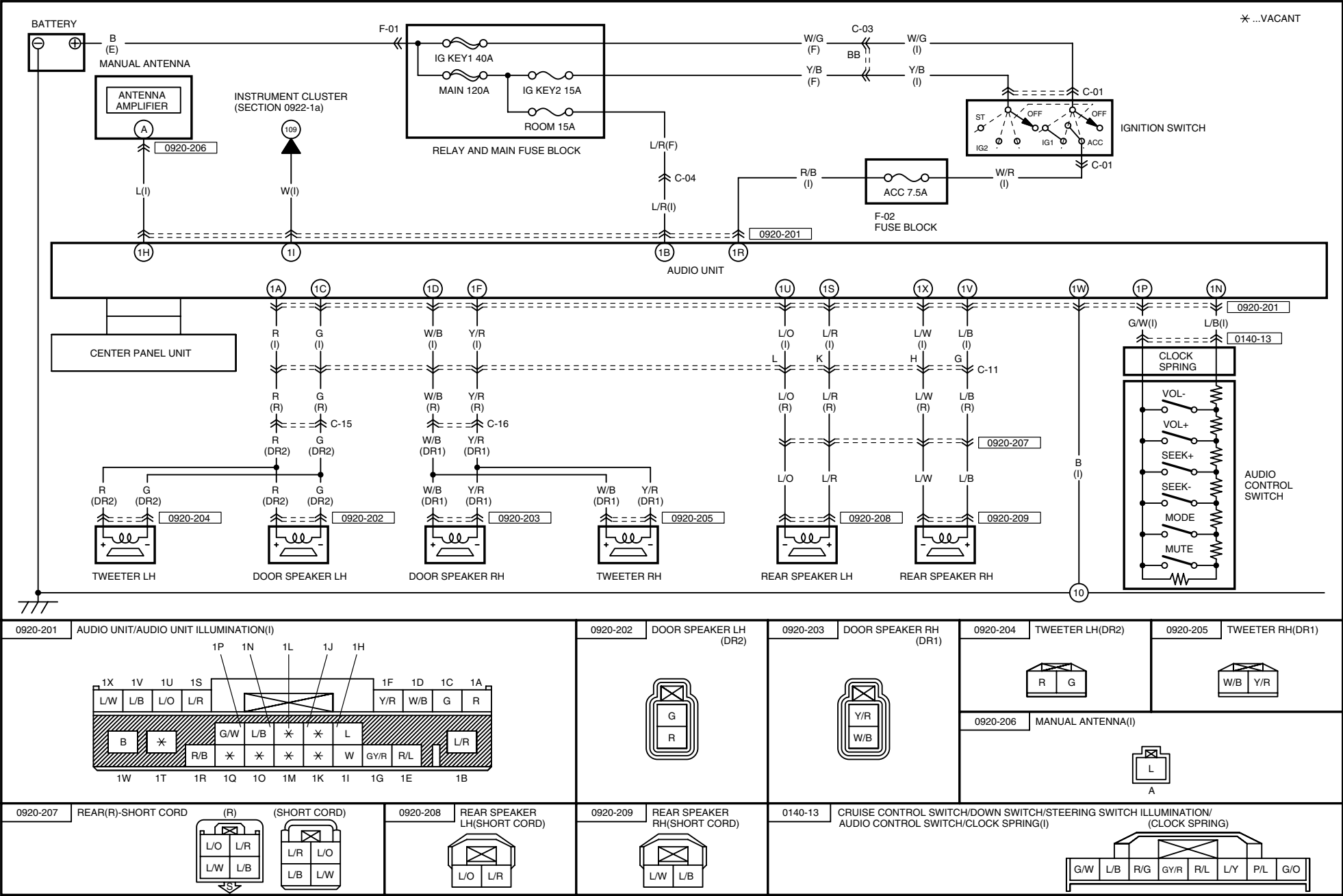
0920-101

ACCESSORY SOCKET(I)

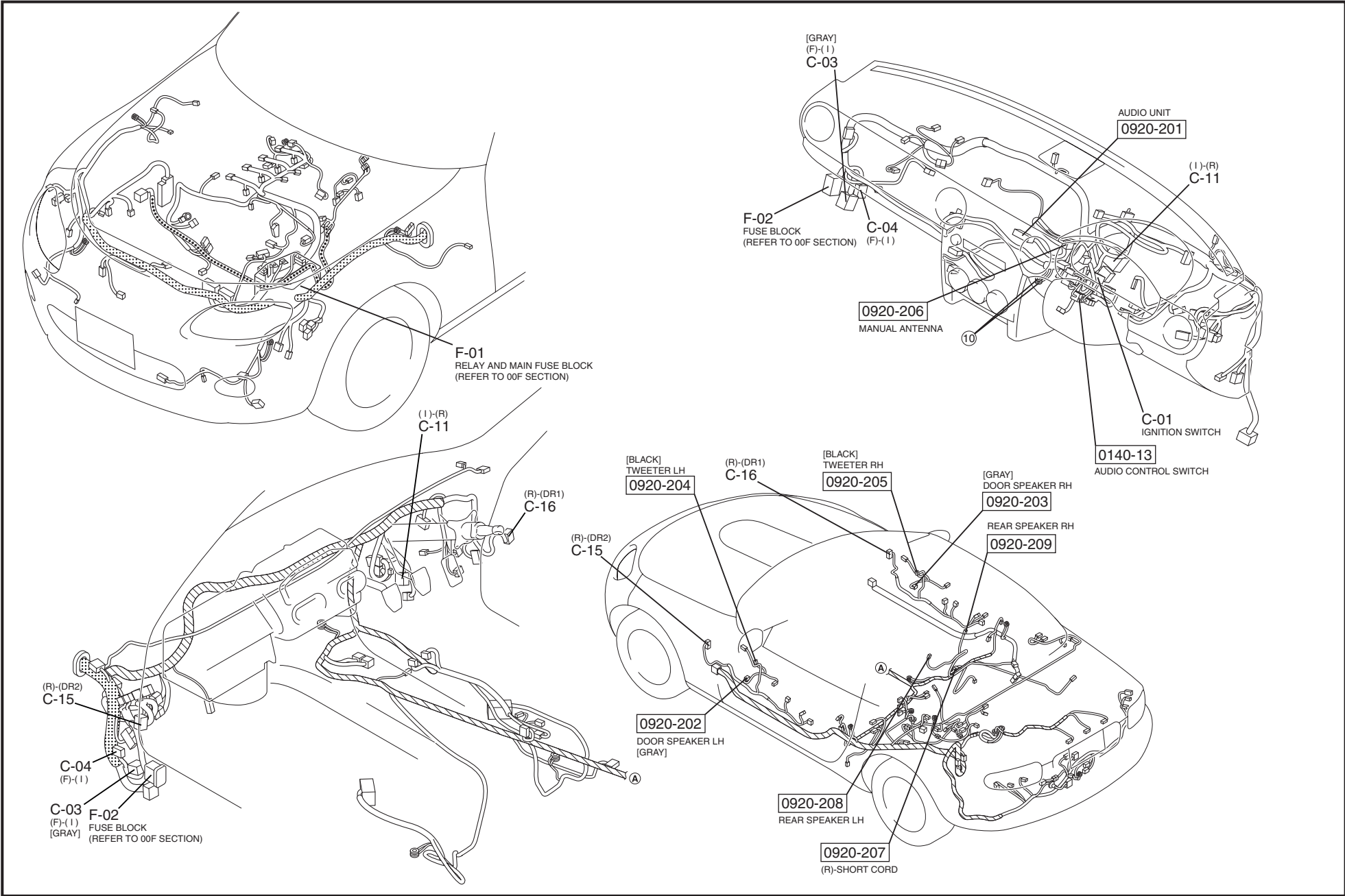


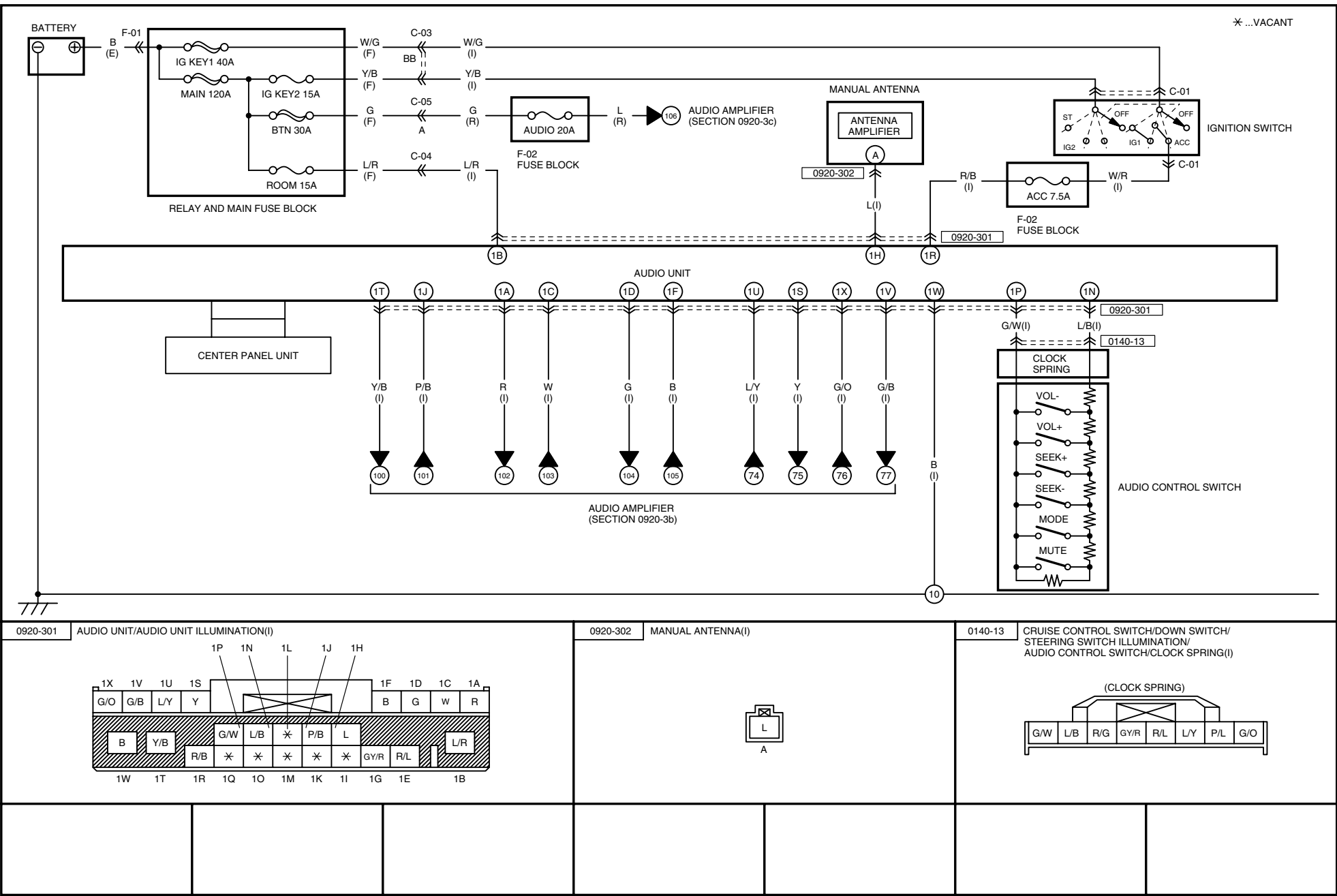
HARNESS SYMBOL:  (F)  (E)  (R)



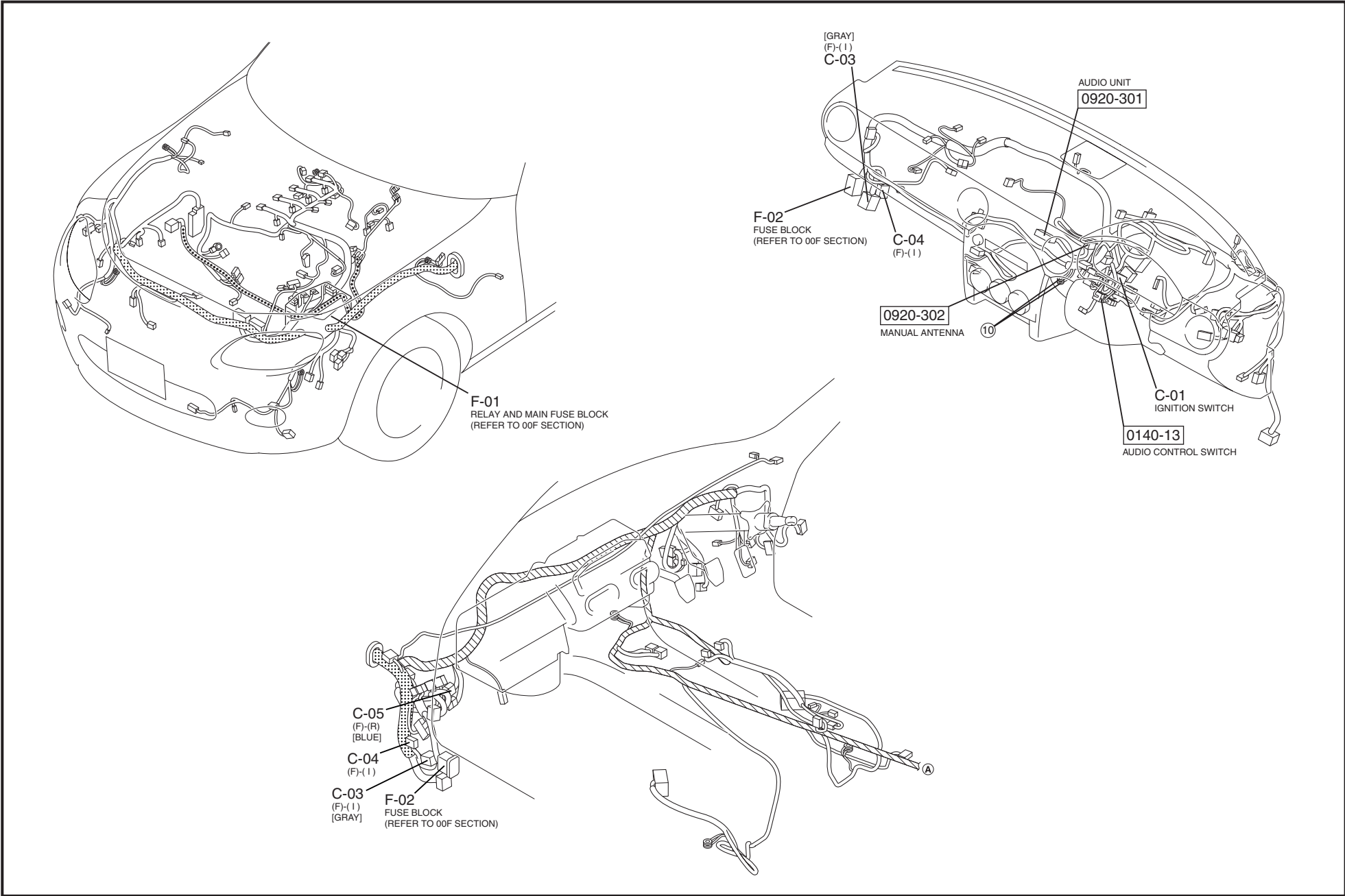


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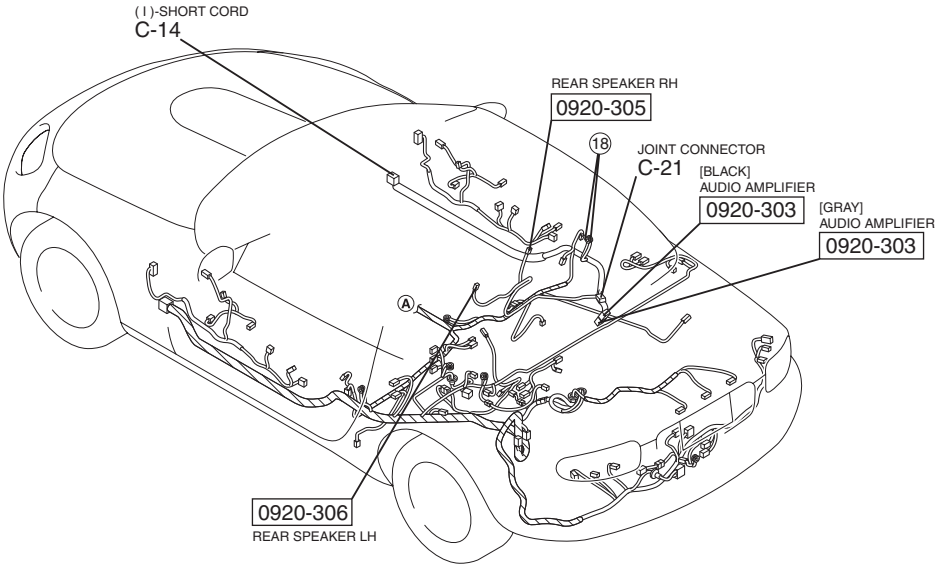
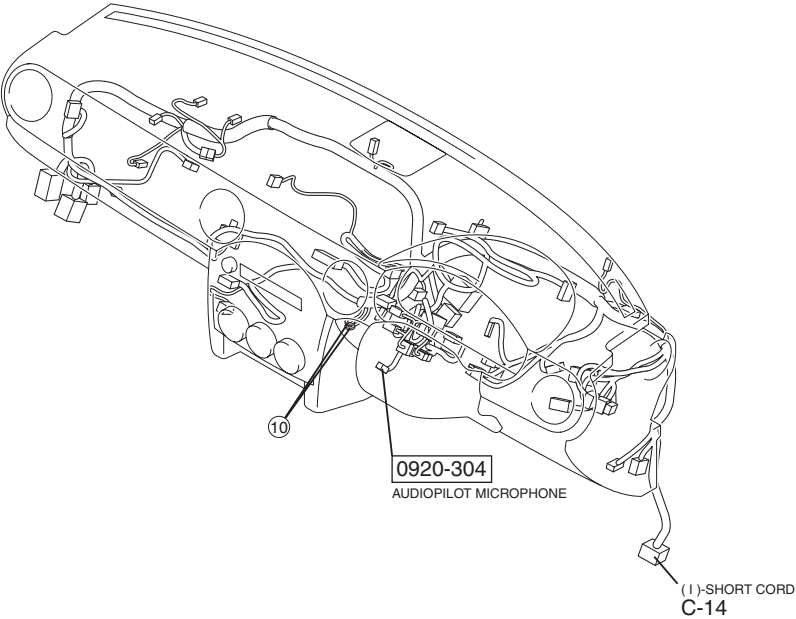
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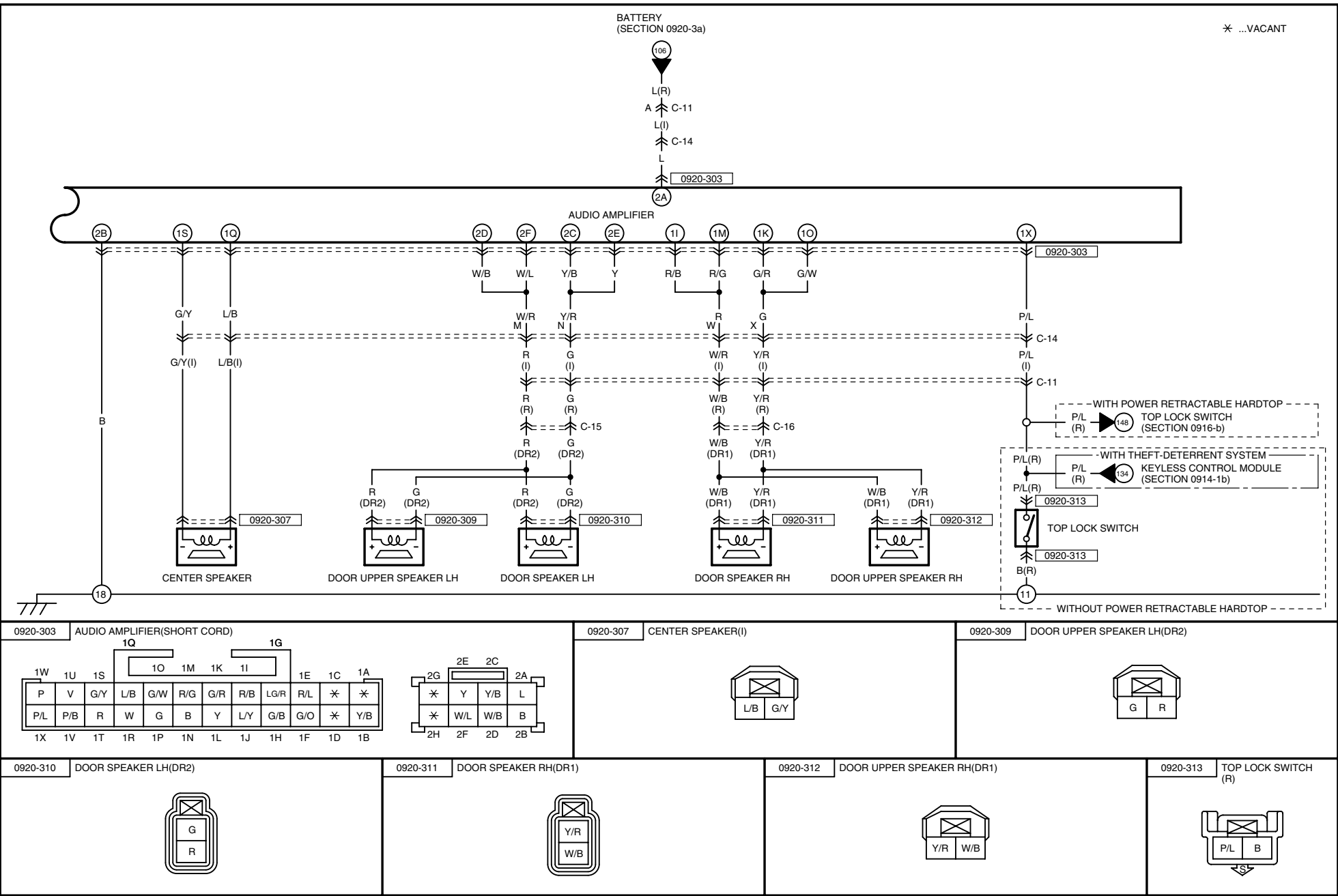




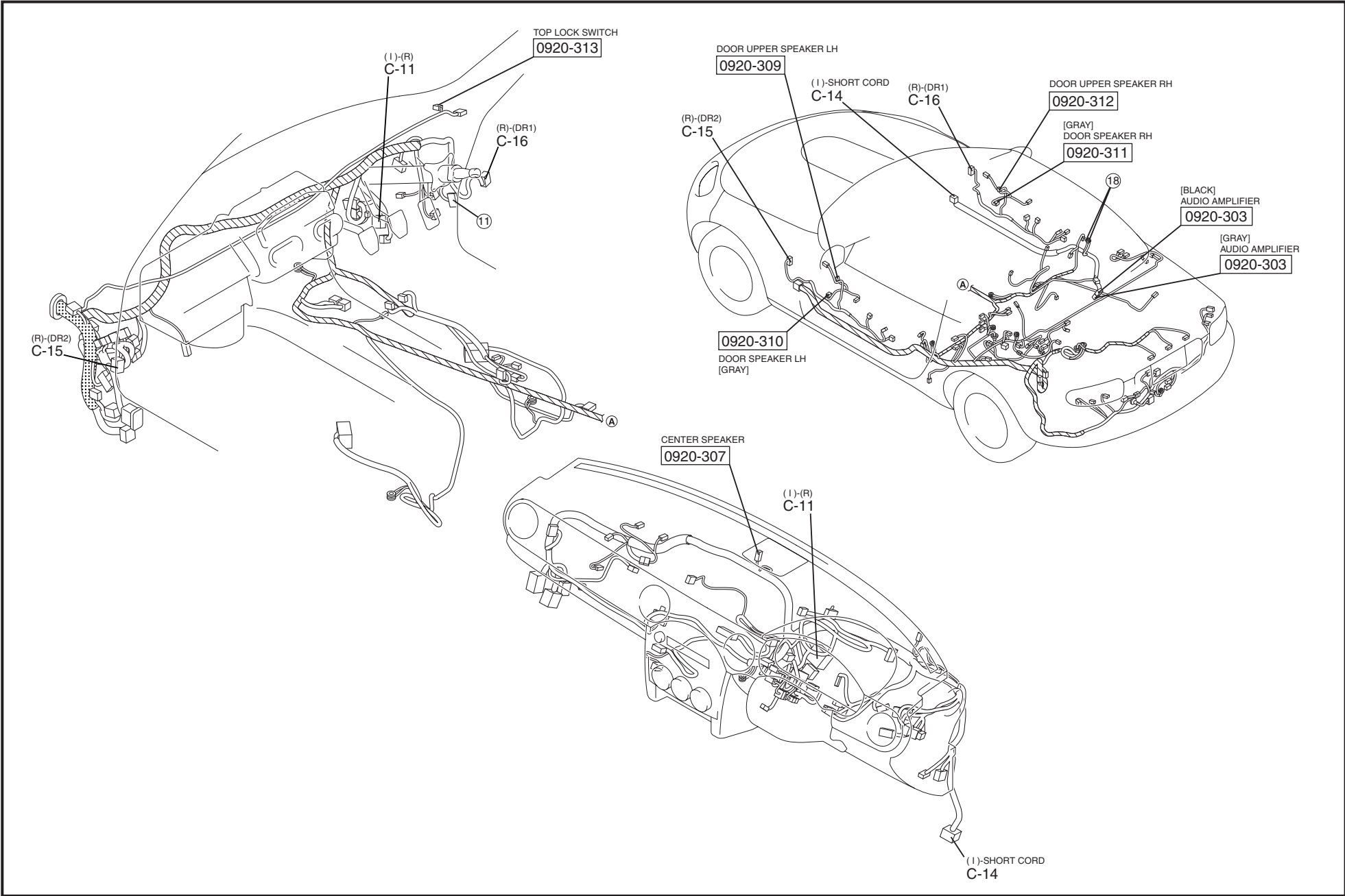


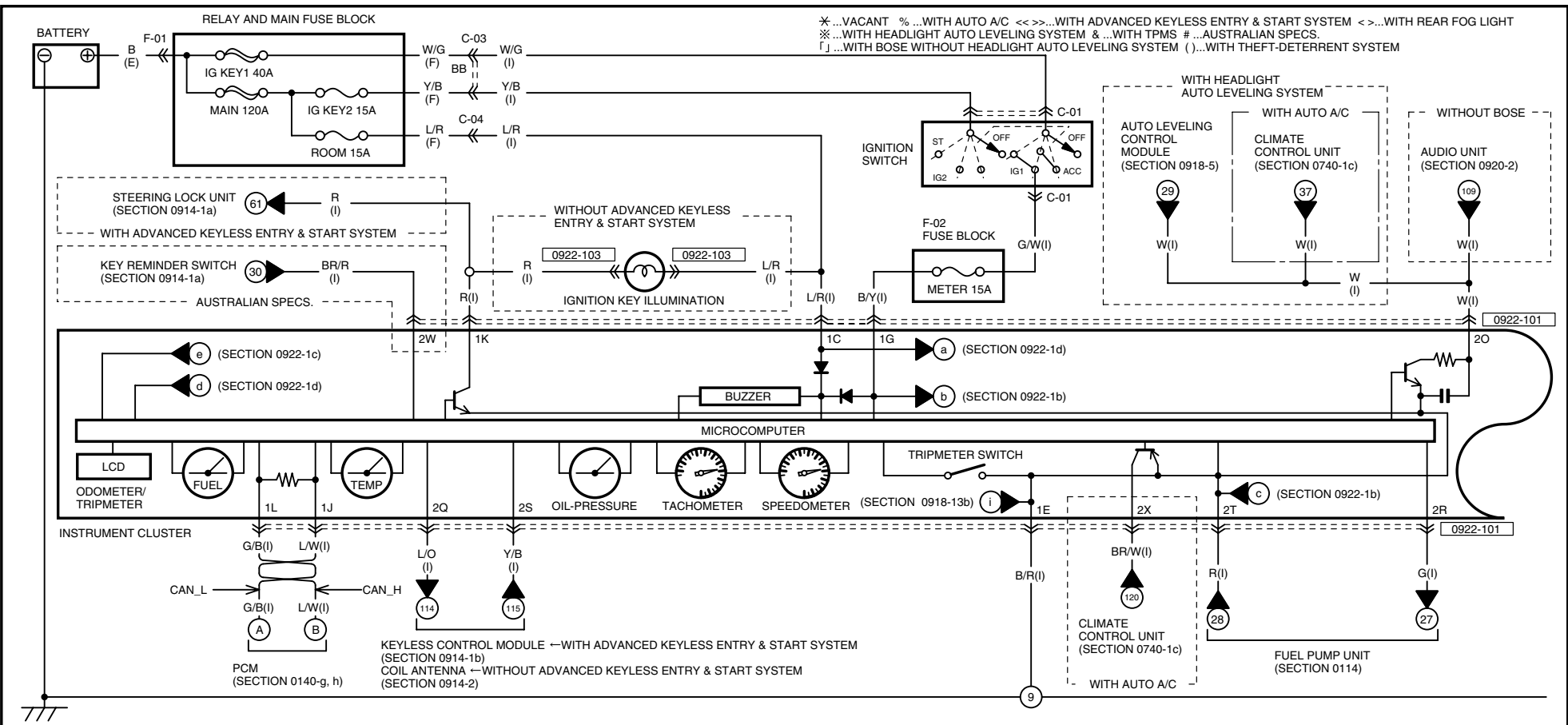
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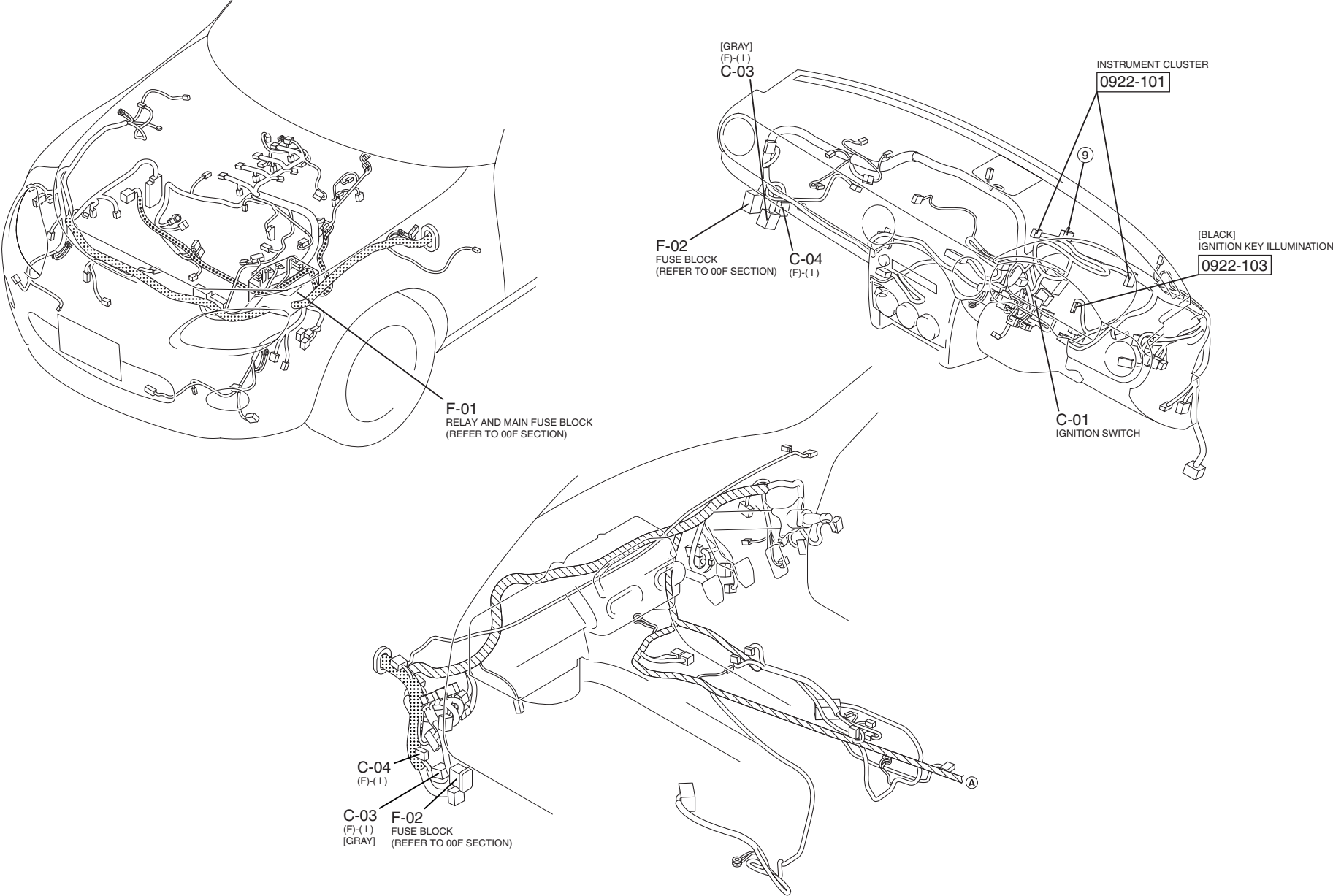


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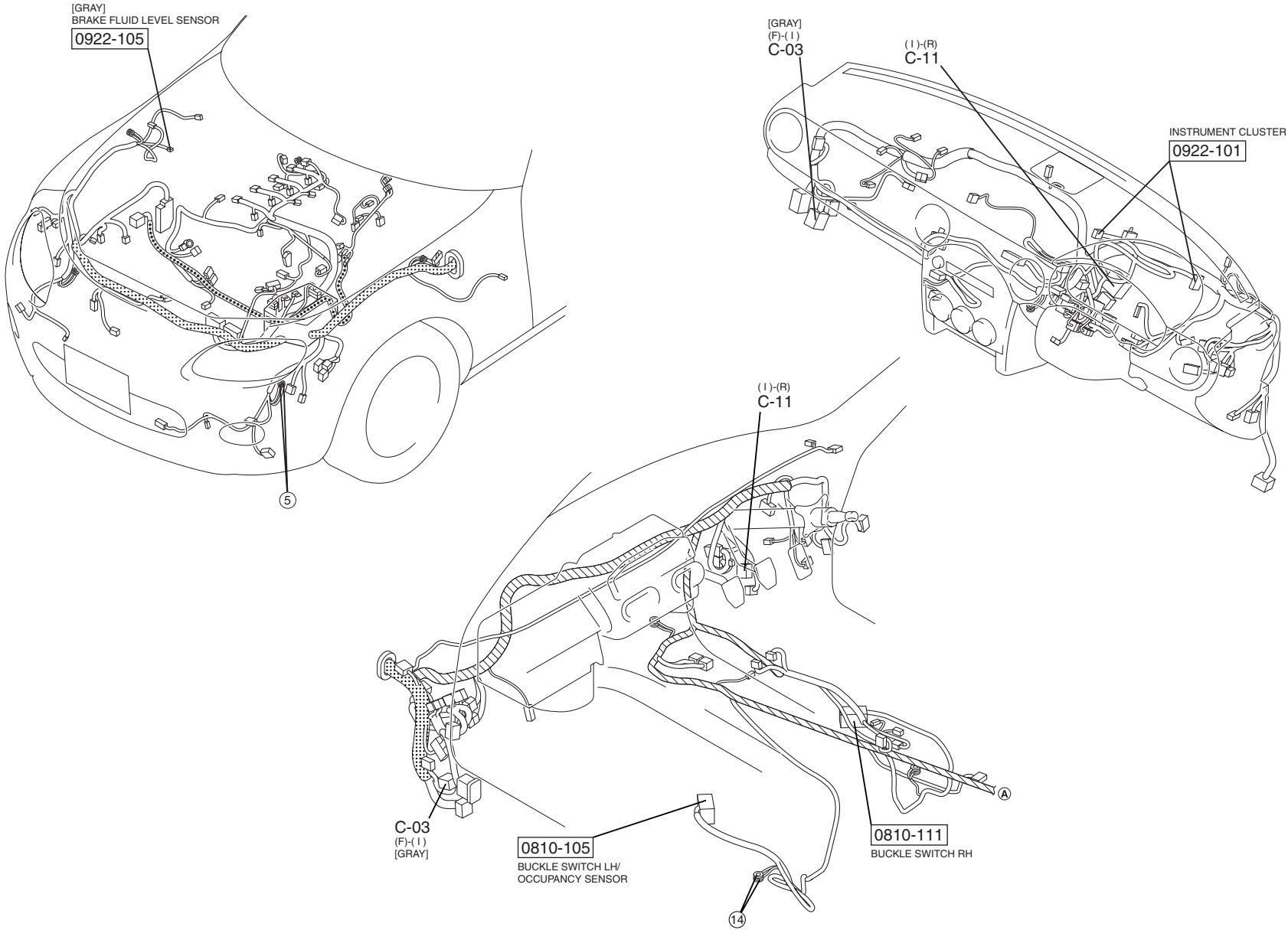


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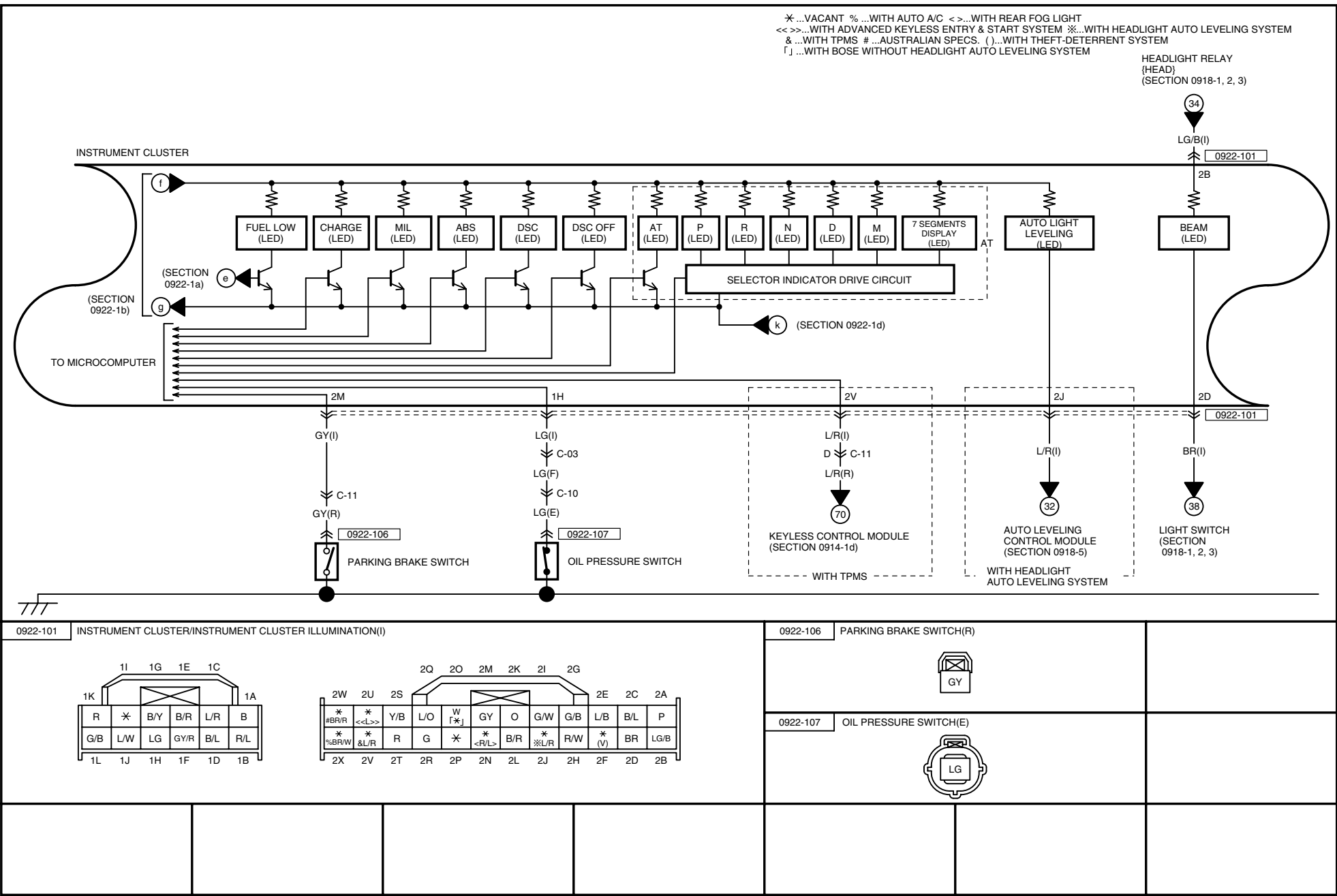




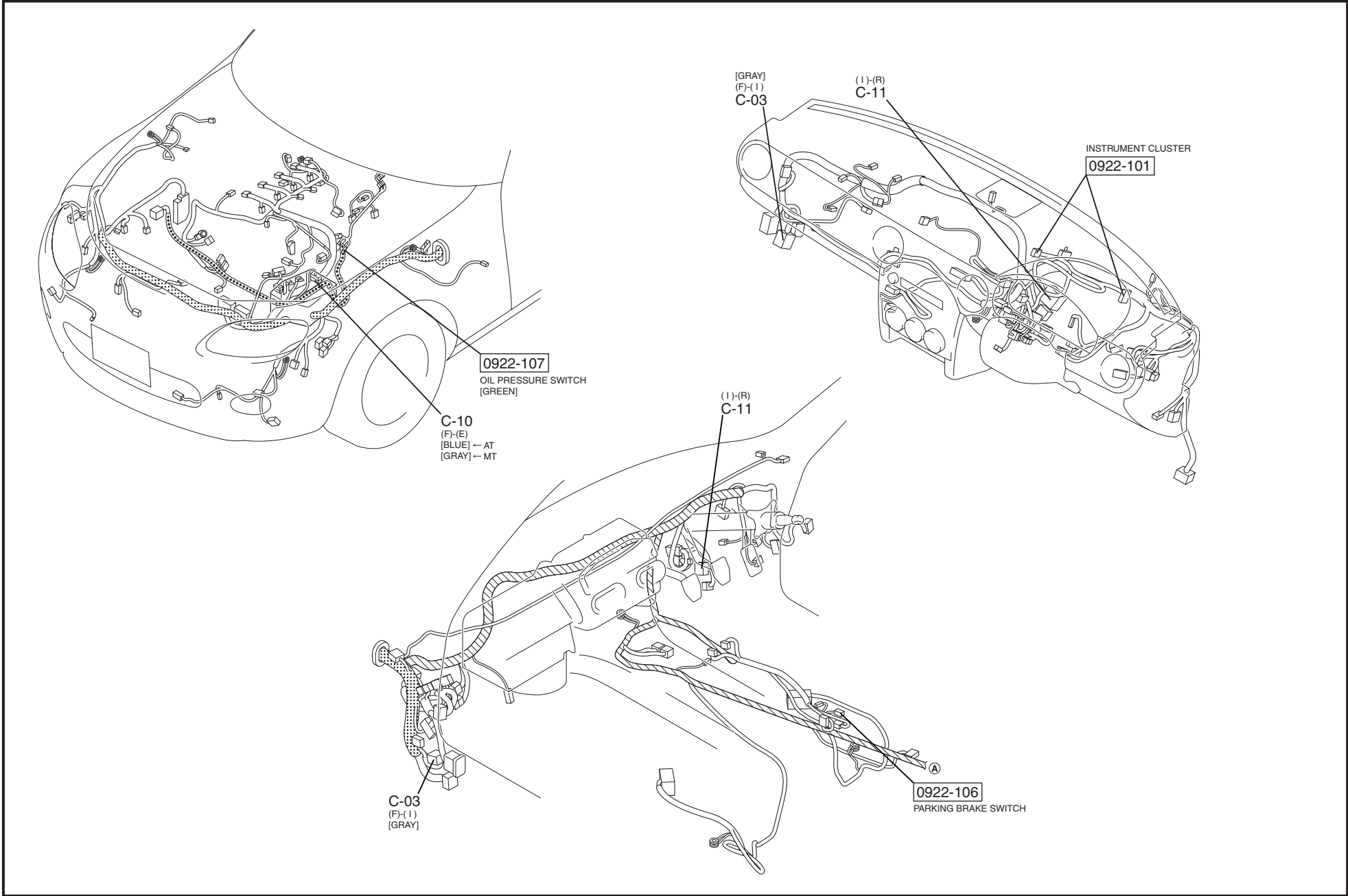
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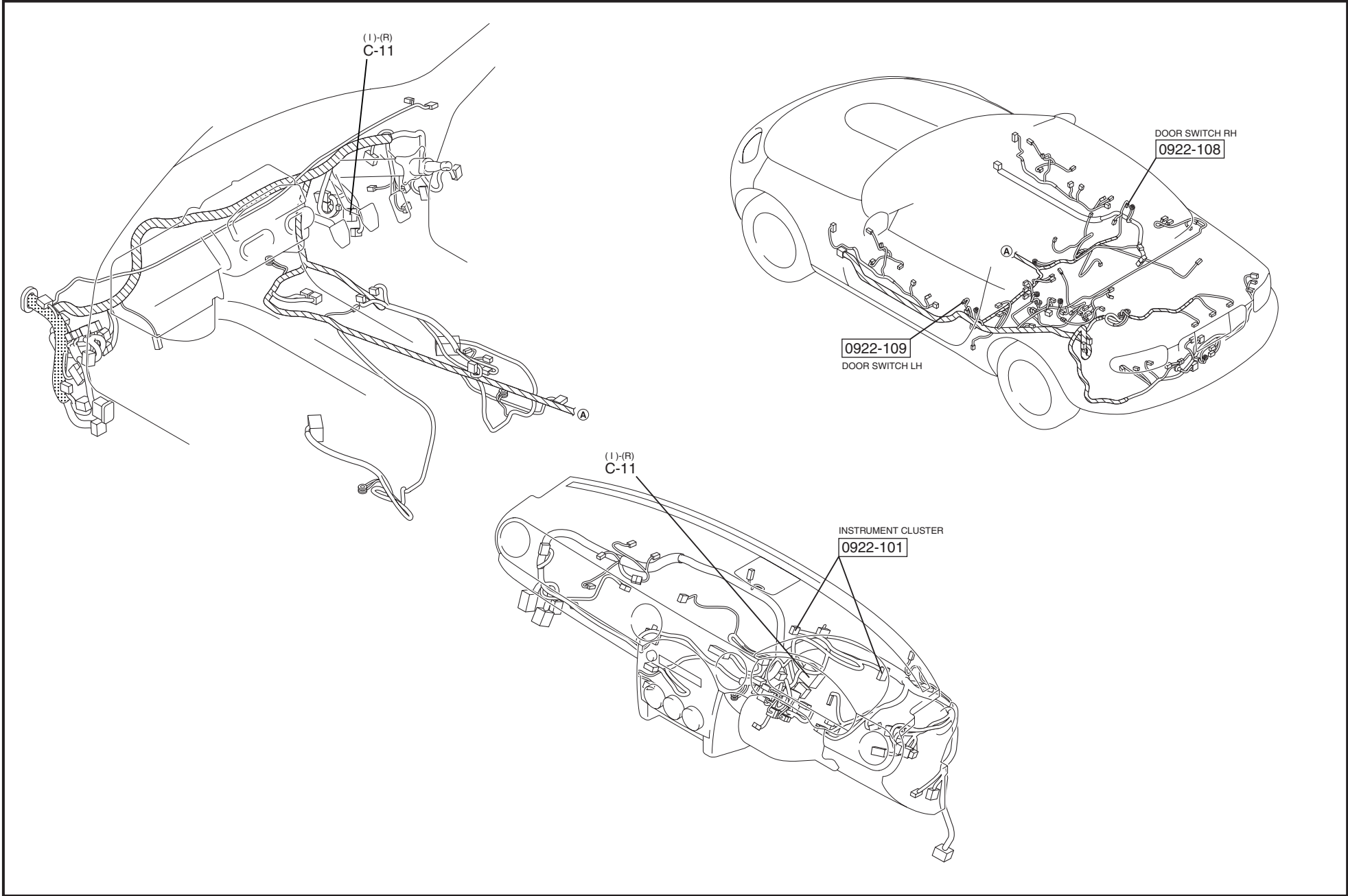


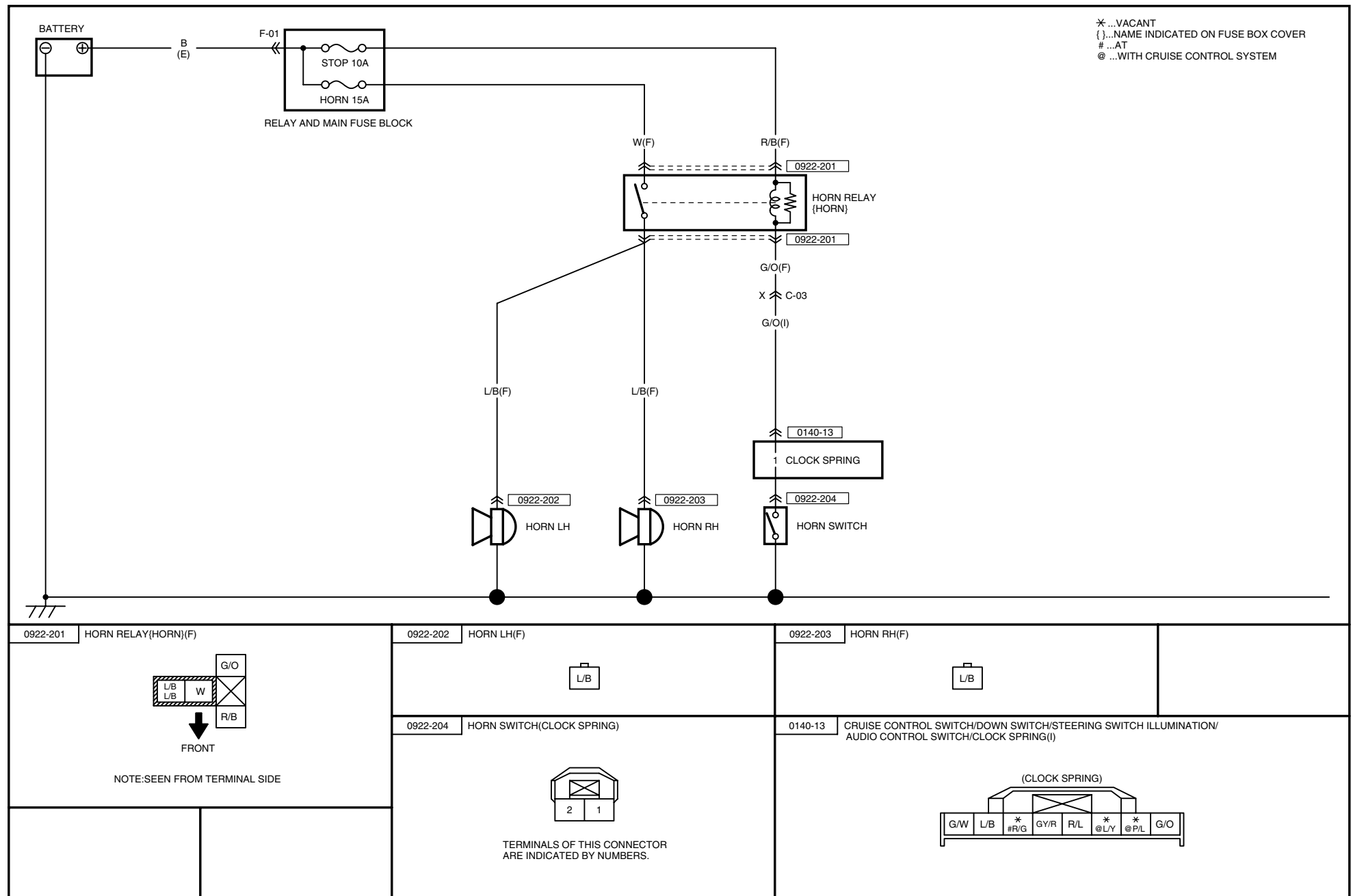
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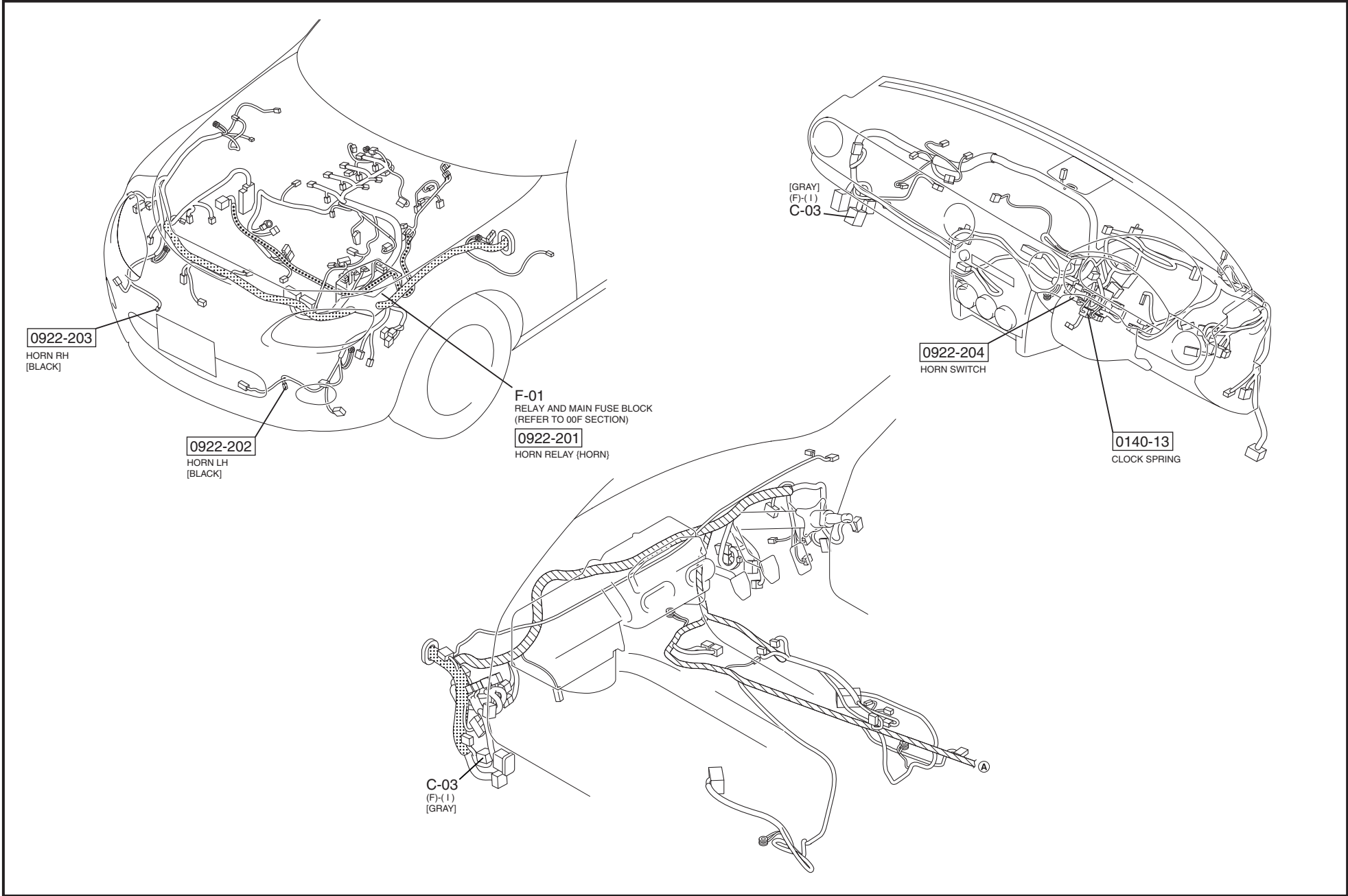


HARNESS SYMBOL:  (F)  (E)  (R)





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



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