

## **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 excepted 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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**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-

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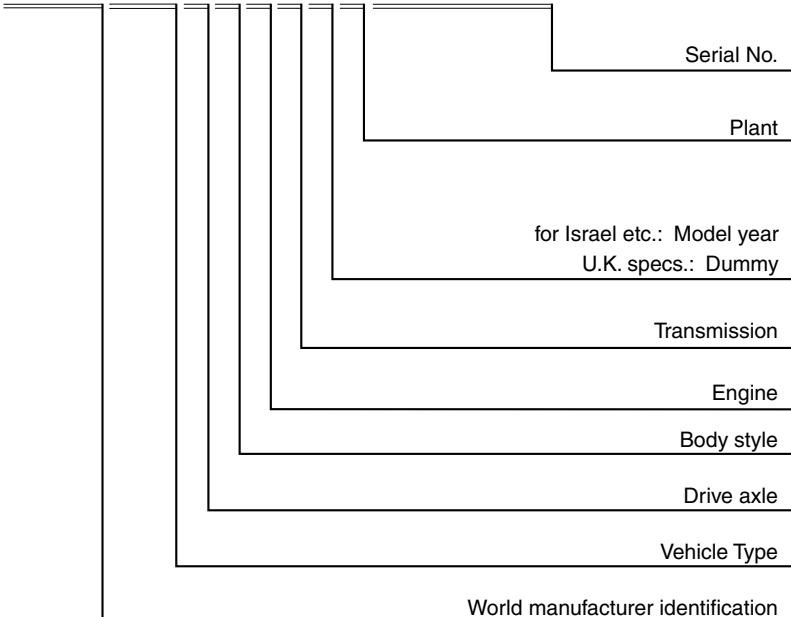
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Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

## VEHICLE IDENTIFICATION NUMBER (VIN) CODE

**J M Z N C 1 8 F 2 0 # 1 2 3 4 5 6**Serial No.  
Plant0= Hiroshima  
1= Hofu6= 2006, 7=2007, 8=2008...  
6 or 7 to 9, A to Z  
(Same as model year-Israel)

0

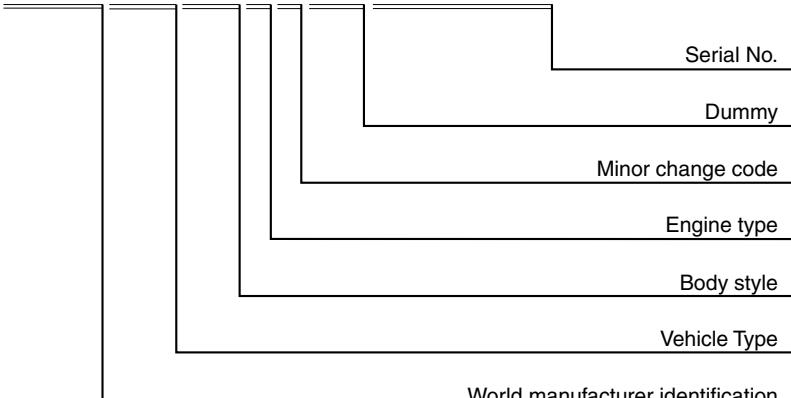
6= 6MT  
2= 5MT8= 1.8 L (L8)  
F= 2.0 L (LF)

8= 2-door Open

1= 2WD

NC= Mazda MX-5

JMZ= Mazda (European (U.K.))

**J M 0 N C 3 0 F 1 0 0 1 2 3 4 5 6**

Serial No.

00

1

F= 2.0 L (LF)

30= Open body

NC= Mazda MX-5

JM0= Mazda (Australian)

## VEHICLE IDENTIFICATION NUMBERS (VIN)

### 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-

## CONTENTS OF WIRING DIAGRAMS

- This manual comprises the sections shown below.

<b>GENERAL INFORMATION</b>	<b>00</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>F</b>	Fuse box complete wiring system		
	<b>J</b>	Joint box/Junction box complete wiring system	Shows internal circuits and connectors	
	<b>C</b>	Common connector list	Shows connectors common throughout system	
	<b>G</b>	Ground point	Ground routes from and to the battery	
	<b>D</b>	Data link connector		
<b>ENGINE</b>	<b>01</b>	12	Cooling system	Shows circuit and connector diagrams and component and connector location diagrams
	14	Fuel system		
	17	Charging system		
	18	Ignition system		
	19	Starting system		
20	Cruise control system			
40	Control system			
<b>SUSPENSION</b>	<b>02</b>	12	Wheel and tires	
<b>DRIVELINE/AXLE</b>	<b>03</b>	18	4-Wheel drive	
<b>BRAKES</b>	13	Antilock brake system		
	14	Traction control system		
	15	Dynamic stability control		
<b>TRANSMISSION/TRANSAXLE</b>	13	Automatic transmission		
	14	Automatic transmission shift mechanism		
	17	Automatic transaxle		
	18	Automatic transaxle shift mechanism		
<b>STEERING</b>	06	13	Electric power steering (EPS)	
	14	Power steering		
<b>HEATER, VENTILATION &amp; AIR CONDITIONING (HVAC)</b>	<b>07</b>	40	Control system	
<b>RESTRAINTS</b>	08	10	Air bag system	
	11	Seat belt		
<b>BODY &amp; ACCESSORIES</b>	12	Glass/Windows/Mirrors		
	13	Seats		
	14	Security and locks		
	15	Sunroof		
	16	Exterior trim		
	18	Lighting systems		
	19	Wiper/Washer system		
	20	Entertainment		
	21	Power systems		
	22	Instrumentation/Driver info.		
40	Control system			
<b>AI</b>		Alphabetical Index	Gives page number of circuit diagram for each component	

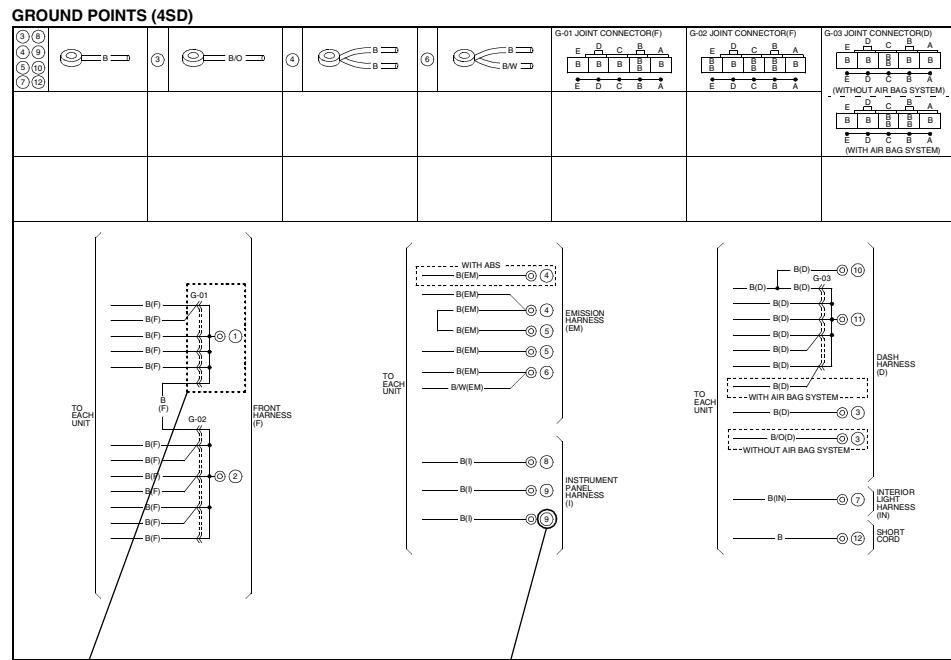
Depending on the vehicle model, the actual sections may be different.

# Reading Wiring Diagrams

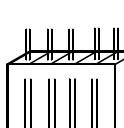
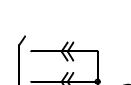
00R

## **GROUND POINTS**

- This shows ground points of the harness.

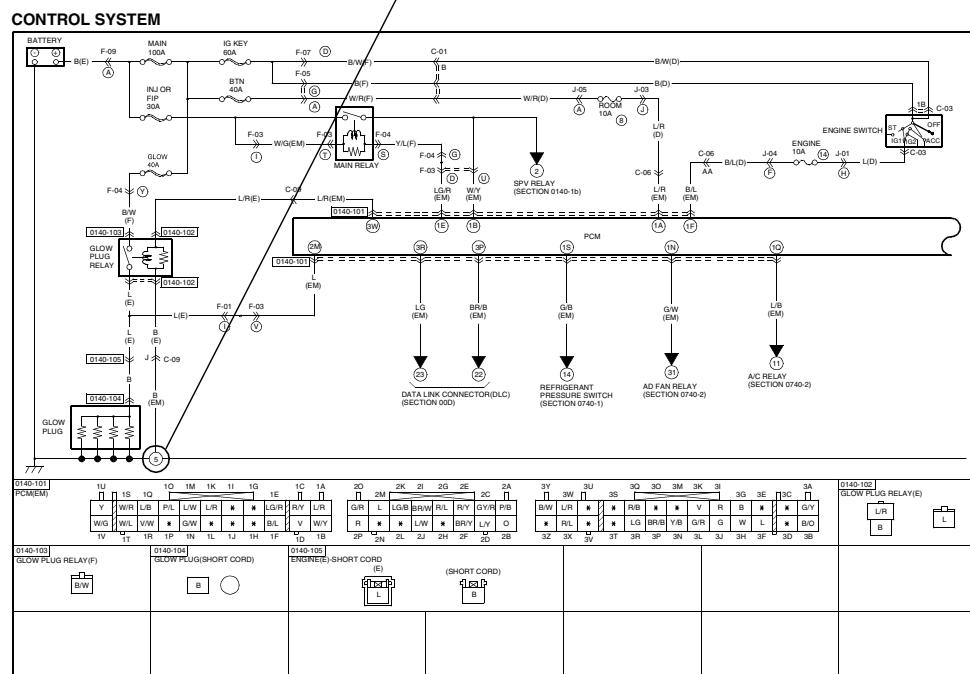


## **Ground indication**

On vehicle	Indication
	<p>To circuit</p> 

## On circuit diagrams and ground points

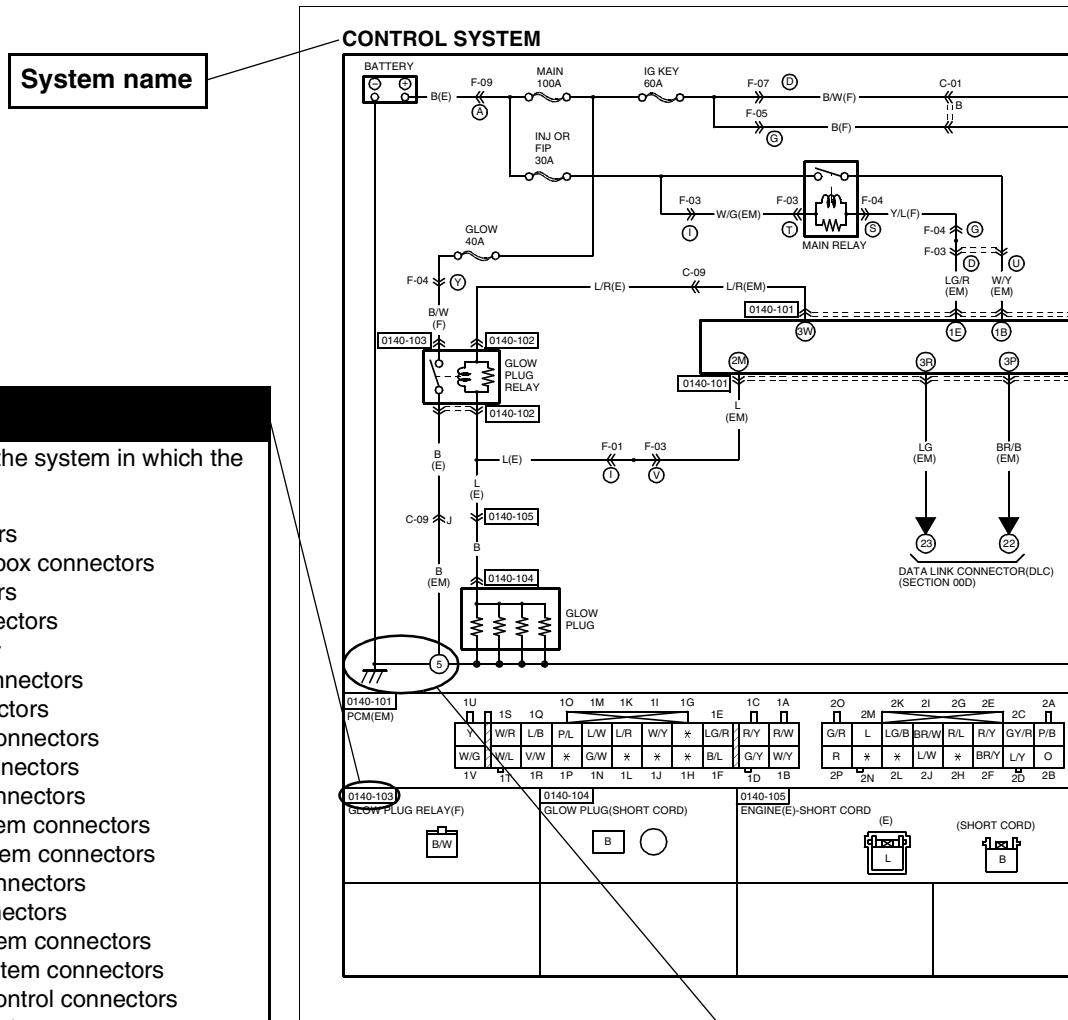
The ground connection numbers in system circuit diagrams correspond to those in the ground point diagram.



**SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM**

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

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

**Connector code**

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

- F:** Fuse box connectors
- J:** Joint box/Junction box connectors
- C:** Common connectors
- G:** Ground point connectors
- D:** Data link connector
- 0112:** Cooling system connectors
- 0114:** Fuel system connectors
- 0117:** Charging system connectors
- 0118:** Ignition system connectors
- 0119:** Starting system connectors
- 0120:** Cruise control system connectors
- 0140:** Engine control system connectors
- 0212:** Wheel and tires connectors
- 0318:** 4-Wheel drive connectors
- 0413:** Antilock brake system connectors
- 0414:** Traction control system connectors
- 0415:** Dynamic stability control connectors
- 0513:** Automatic transmission connectors
- 0514:** Automatic transmission shift mechanism connectors
- 0517:** Automatic transaxle connectors
- 0518:** Automatic transaxle shift mechanism connectors
- 0613:** Electric power steering (EPS) connectors
- 0614:** Power steering connectors
- 0740:** Heater, ventilation & air conditioning (HVAC) control system connectors
- 0810:** Air bag system connectors
- 0811:** Seat belt connectors
- 0912:** Glass/Windows/Mirrors connectors
- 0913:** Seats connectors
- 0914:** Security and locks connectors
- 0915:** Sunroof connectors
- 0916:** Exterior trim
- 0918:** Lighting systems connectors
- 0919:** Wiper/Washer system connectors
- 0920:** Entertainment connectors
- 0921:** Power systems
- 0922:** Instrumentation/Driver info. Connectors
- 0940:** Control system

**Ground numbers**

A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
Harness	
Unit	

# Reading Wiring Diagrams

00R

**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		

**Wire color code (harness symbol)**

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

For example:

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

**Symbol (Example)**

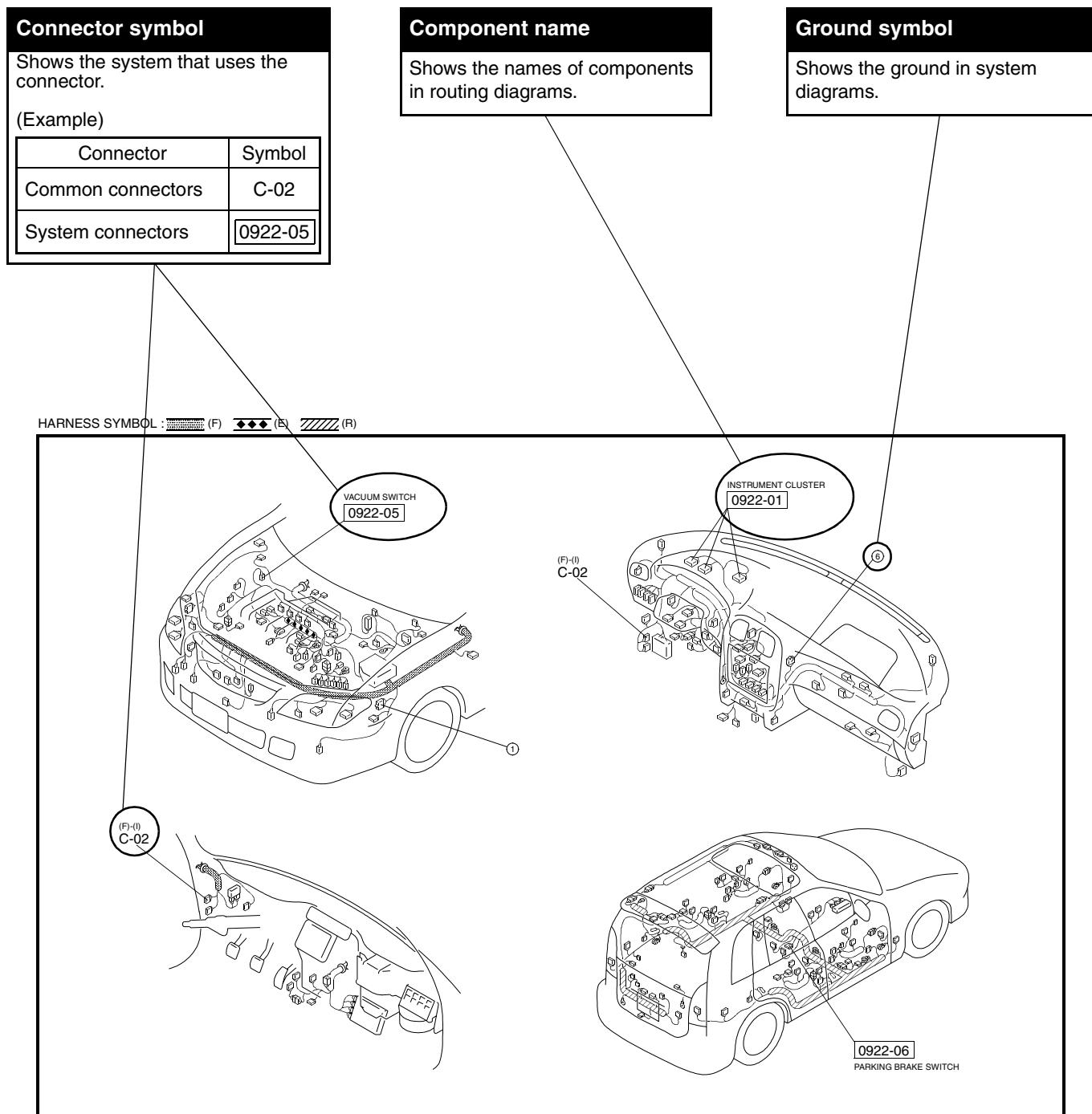
- The harness symbol is in ( ) following the harness symbols (refer to P-9.).

(Example)

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

**ROUTING DIAGRAM**

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



# Reading Wiring Diagrams

00R

## 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

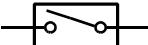
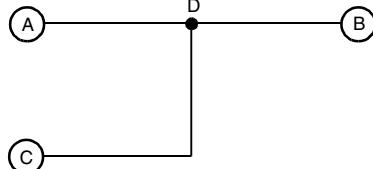
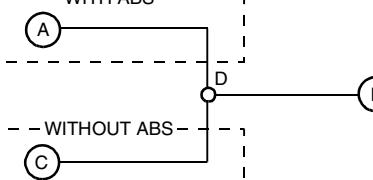
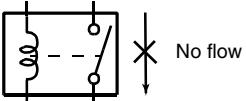
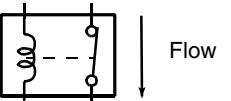
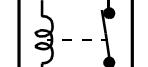
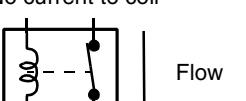
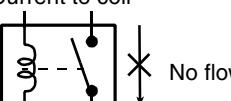
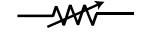
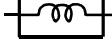
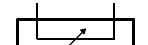
COLOR	CODE	COLOR	CODE
BLACK	B	ORANGE	O
BLUE	L	PINK	P
BROWN	BR	RED	R
DARK BLUE	DL	SKY BLUE	SB
DARK GREEN	DG	TAN	T
GRAY	GY	VIOLET	V
GREEN	G	WHITE	W
LIGHT BLUE	LB	YELLOW	Y
LIGHT GREEN	LG		

## 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> </ul>	Ground (2) 	<ul style="list-style-type: none"> <li>Ground (2) indicates point where component is grounded directly to body.</li> </ul>
Ground (3) 	<p>Remarks</p> <ul style="list-style-type: none"> <li>Current will not flow through a circuit if ground is faulty.</li> </ul>	Resistance 	<ul style="list-style-type: none"> <li>A resistor with a constant value.</li> <li>Mainly used to protect electrical components in circuits by maintaining rated voltage.</li> </ul>
Fuse 	<ul style="list-style-type: none"> <li>Melts when current flow exceeds that specified for circuit, interrupts current flow.</li> </ul> <p>Precautions</p> <ul style="list-style-type: none"> <li>Do not replace with fuses exceeding specified capacity.</li> </ul>	Motor 	<ul style="list-style-type: none"> <li>Converts electrical energy into mechanical energy.</li> </ul>
Fuse (For high current fuse)/ Fusible link 	<p>&lt;Blade type&gt; </p> <p>&lt;Tube type&gt; </p> <p>&lt;Cartridge type&gt; </p> <p>&lt;Fusible link&gt; </p>	Pump 	<ul style="list-style-type: none"> <li>Pulls in and discharges gases and liquids.</li> </ul>
Transistor (1) Collector (C) Base (B) — NPN Emitter (E) 	<ul style="list-style-type: none"> <li>Electrical switching component.</li> <li>Turns on when voltage is applied to the base (B).</li> </ul>	Cigarette lighter 	<ul style="list-style-type: none"> <li>Electrical coil that generates heat.</li> </ul>
Transistor (2) Collector (C) Base (B) — PNP Emitter (E) 	<ul style="list-style-type: none"> <li>Reading code.</li> </ul> <p>2 S C 828 A Semiconductor Number of terminals Revision mark A:High-frequency PNP B:Low-frequency PNP C:High-frequency NPN D:Low-frequency NPN</p>	Accessory socket 	<ul style="list-style-type: none"> <li>Interior power supply.</li> </ul>
		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. (NOTE) Ignition switch is called engine switch on diesel vehicles.</li> </ul>

# Reading Wiring Diagrams

00R

Symbol	Meaning	Symbol	Meaning
Switch (1)  Normally open	• Allows or breaks current flow by opening and closing circuits.	Harness Connection  When circuit C-D is connected to circuit A-B, the connection D is indicated by a black dot.	 For vehicles with ABS, use the A-B circuit.
Switch (2)  Normally closed		Selection  Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.	 For vehicles without ABS, use the C-B circuit.
Autostop switch 	• Automatically shuts off circuit when certain conditions are met.		
Relay (1)  Normally open	• Current flowing through coil produces electromagnetic force causing contact to open or close. No current to coil  No flow	Current to coil  Flow	
Relay (2)  Normally closed	• Current flowing through coil produces electromagnetic force causing contact to close. No current to coil  Flow	Current to coil  No flow	
Sensor (1) 	• Detects characteristics such as intake manifold vacuum and airflow amount according to resistance variation.	Solenoid 	• Current flowing through coil generates electromagnetic force to operate plungers.
Sensor (2) 	• Detects resistance variation according to operation of other parts.	Diode 	• Known as a semiconductor rectifier, the diode allows current flow in one direction only. Cathode(K) → Anode(A) Flow of electric current K-A K-A K-A
Sensor (3) 	• A resistor whose resistance variation according to temperature variation. • When temperature increases, resistance decreases.		
Sensor (4) 	• Detects pulse signals from rotating object.	Light-emitting diode (LED) 	• A diode that lights when current flows. • Unlike ordinary bulbs, the diode does not generate heat when lit. Cathode(K) → Anode(A) Flow of current K-A K-A K-A
Sensor (5) 	• Generates potential difference when tension or pressure is applied.		
Capacitor 	• Component that temporarily stores electrical charge.	Reference diode (Zener diode) 	• Allows current to flow in one direction up to a certain voltage; allows current to flow in the other direction once that voltage is exceeded.

Symbol	Meaning
Extent of the change in the wiring position (1)  	<ul style="list-style-type: none"> <li>The wiring position can be exchanged freely within the connector.</li> </ul>
Extent of the change in the wiring position (2)  	<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>
Extent of the change in the wiring position (3) 	<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

# Reading Wiring Diagrams

00R

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	MULTIPORT 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 MULTIPONT 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

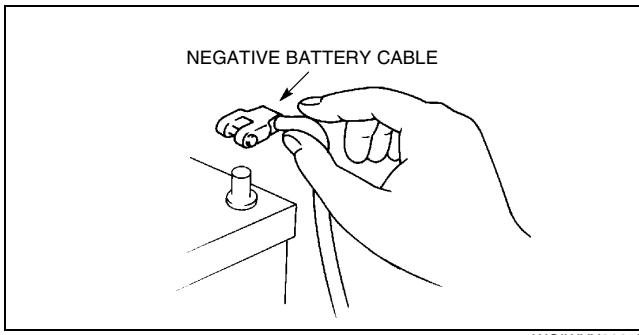
# 00P Electrical System General Procedures

## ELECTRICAL PARTS

### Battery Cable

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

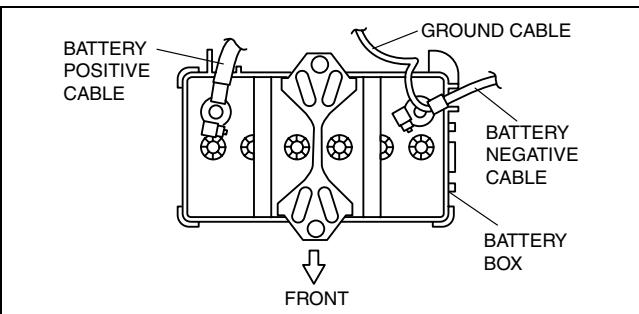
B6U000000006W03



WGIVXX0007E

### Negative Battery Cable Installation Note

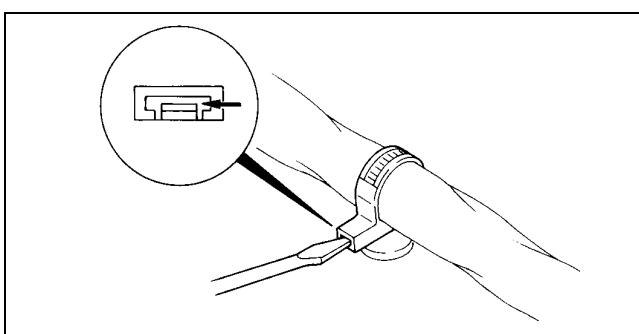
- When connecting the negative battery cable to the battery, connect the negative battery cable and the ground cable as shown in the figure.



WGIVXX0039E

### Wiring Harness

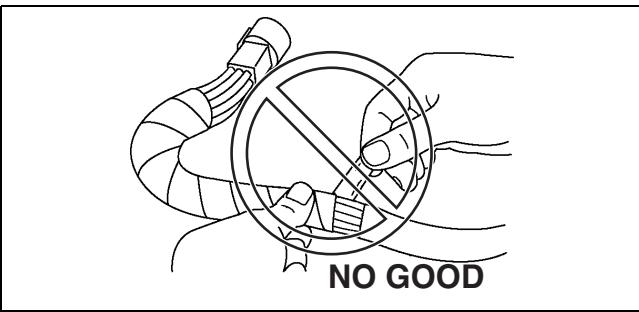
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



WGIVXX0039E

### 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.



WGIVXX0040E

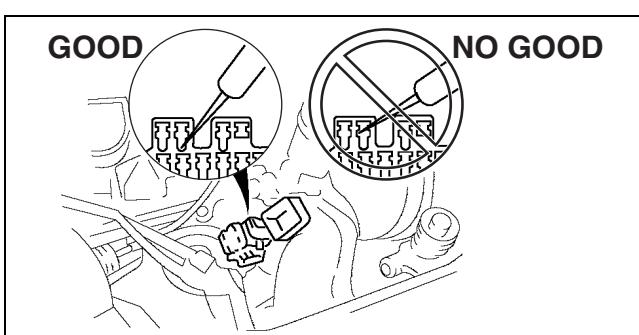
## CONNECTORS

### 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.

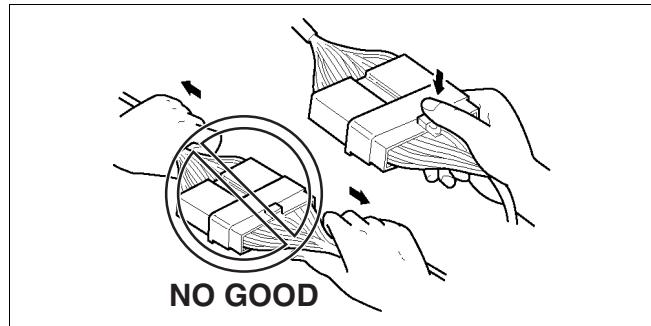


X3U000WAY

# Electrical System General Procedures 00P

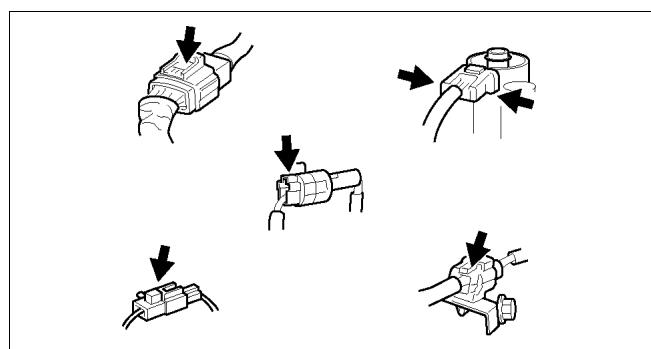
## Disconnecting Connectors

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



WGIWXX0041E

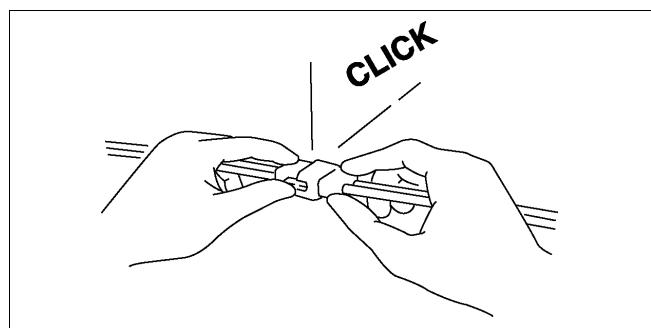
- Connectors can be disconnected by pressing or pulling the lock lever as shown.



WGIWXX0042E

## Locking Connector

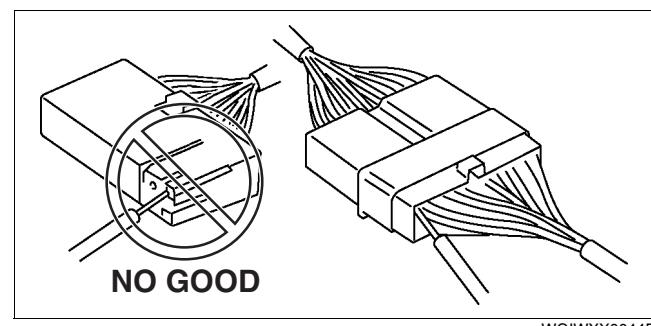
- When locking connectors, listen for a click indicating they are securely locked.



X3U000WB1

## Inspection

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

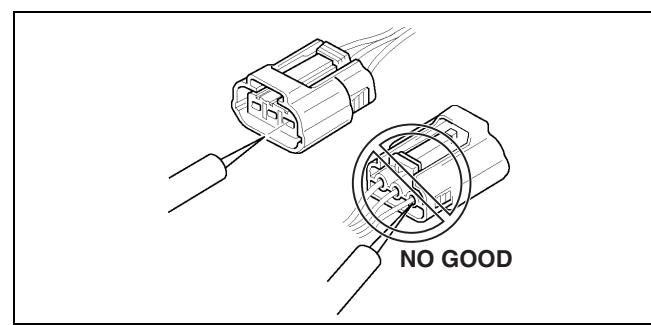


WGIWXX0044E

- 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.



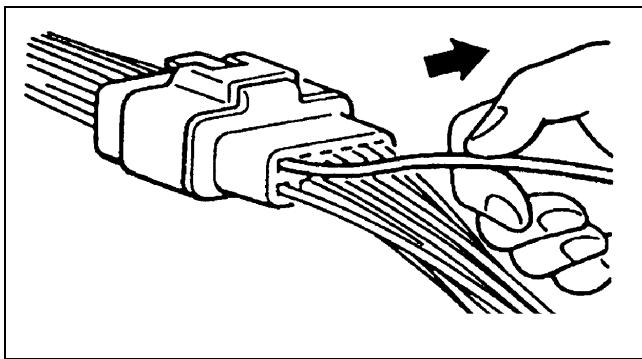
WGIWXX0045E

# 00P Electrical System General Procedures

## Terminals

### Inspection

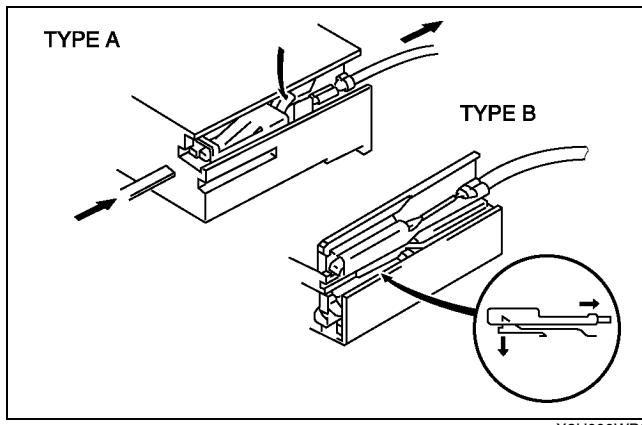
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

### Replacement

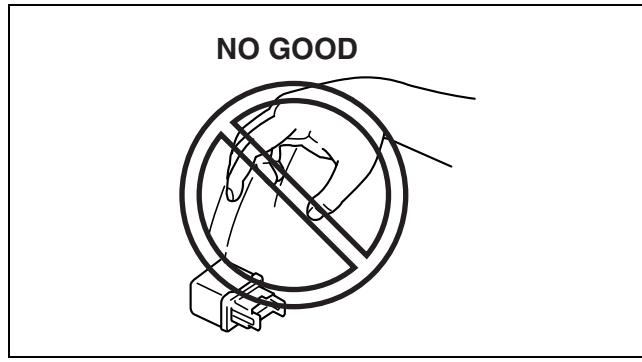
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

## Sensors, Switches, And Relays

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

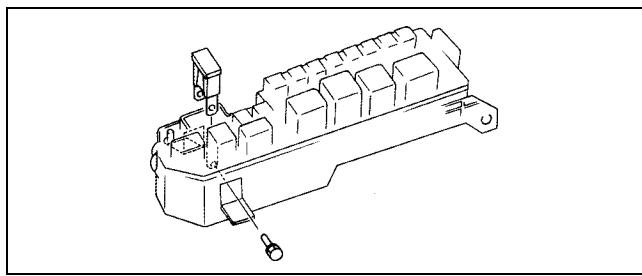


X3U000WB6

## Fuse

### Replacement

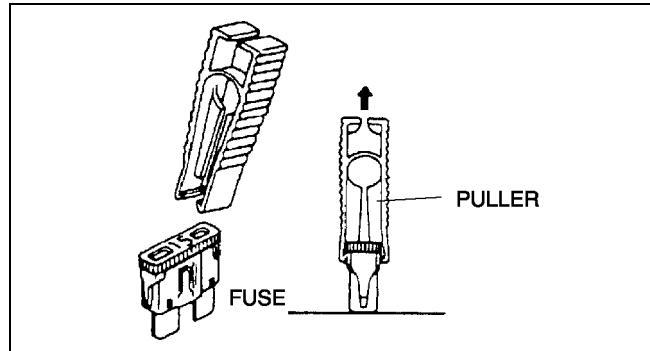
- When replacing a fuse, be sure to replace it with one of the same capacity. If a fuse fails again, the circuit probably has a short and the wiring should be inspected.
- Be sure the negative battery terminal is disconnected before replacing a main fuse.



YMU000WA1

# Electrical System General Procedures 00P

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



YMU000WAK

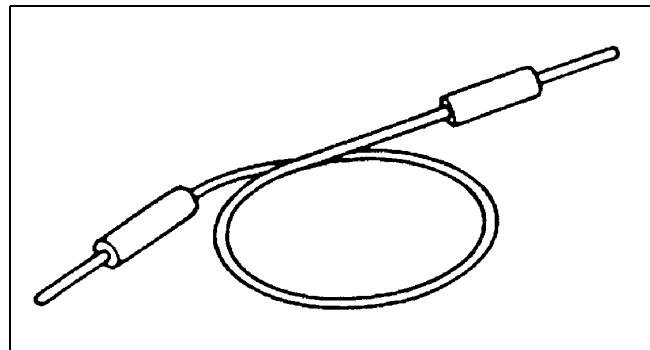
## ELECTRICAL TROUBLESHOOTING TOOLS

### 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

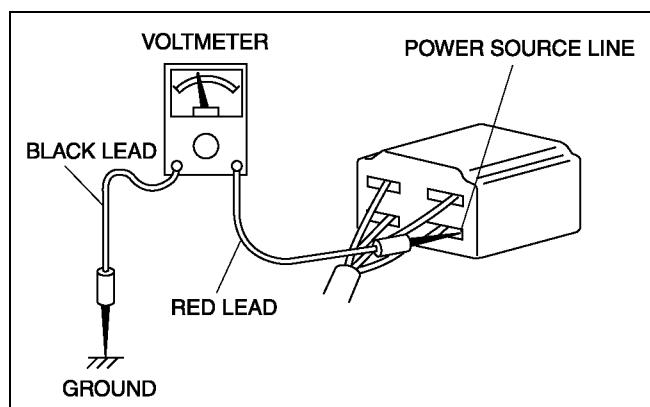
- Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.**



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.



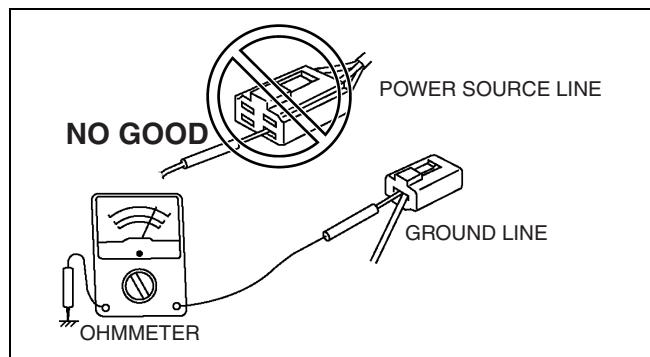
X3U000WBC

### Ohmmeter

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

#### Caution

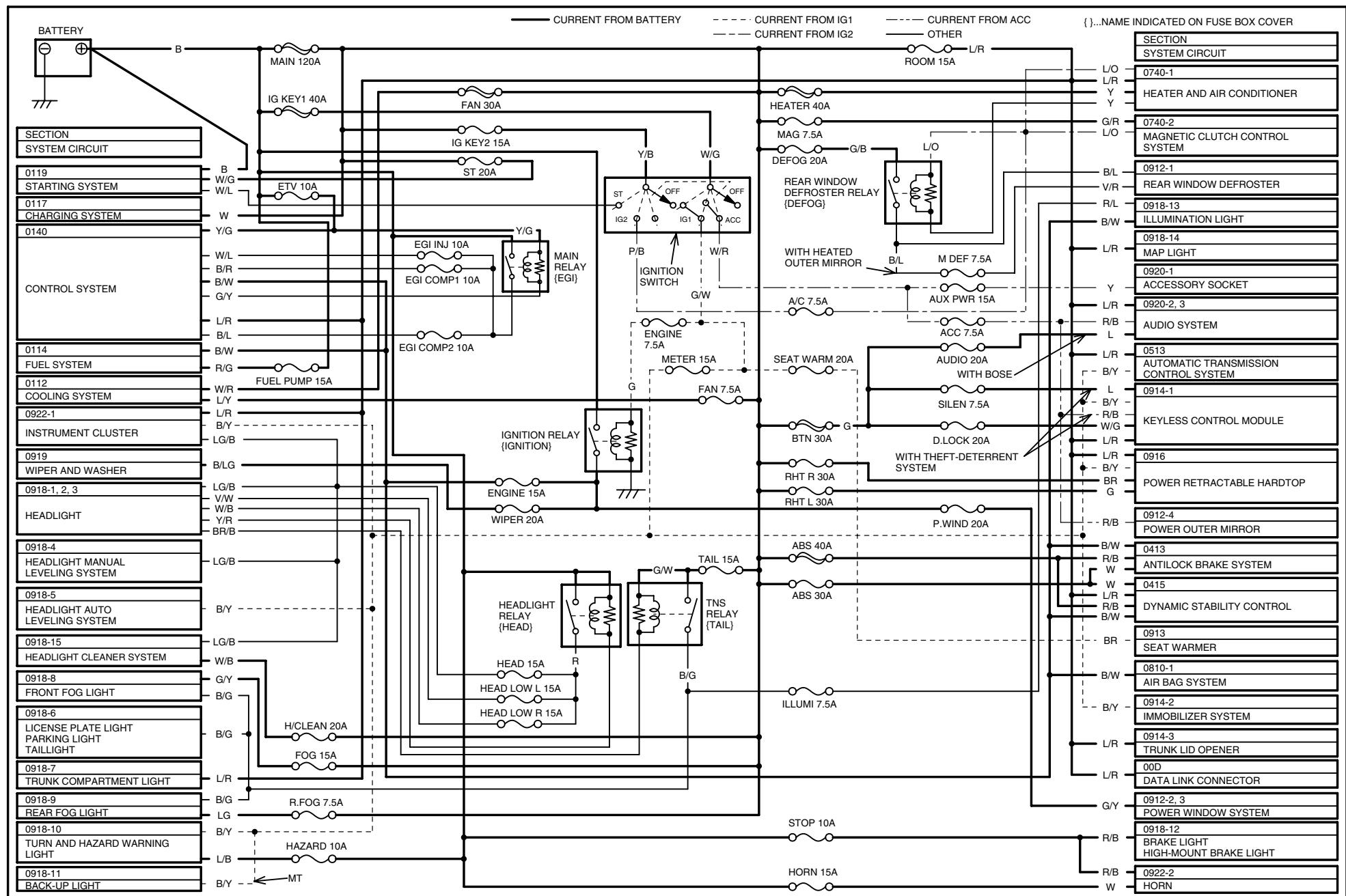
- Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.**



YMU000WAL

# ELECTRICAL WIRING SCHEMATIC

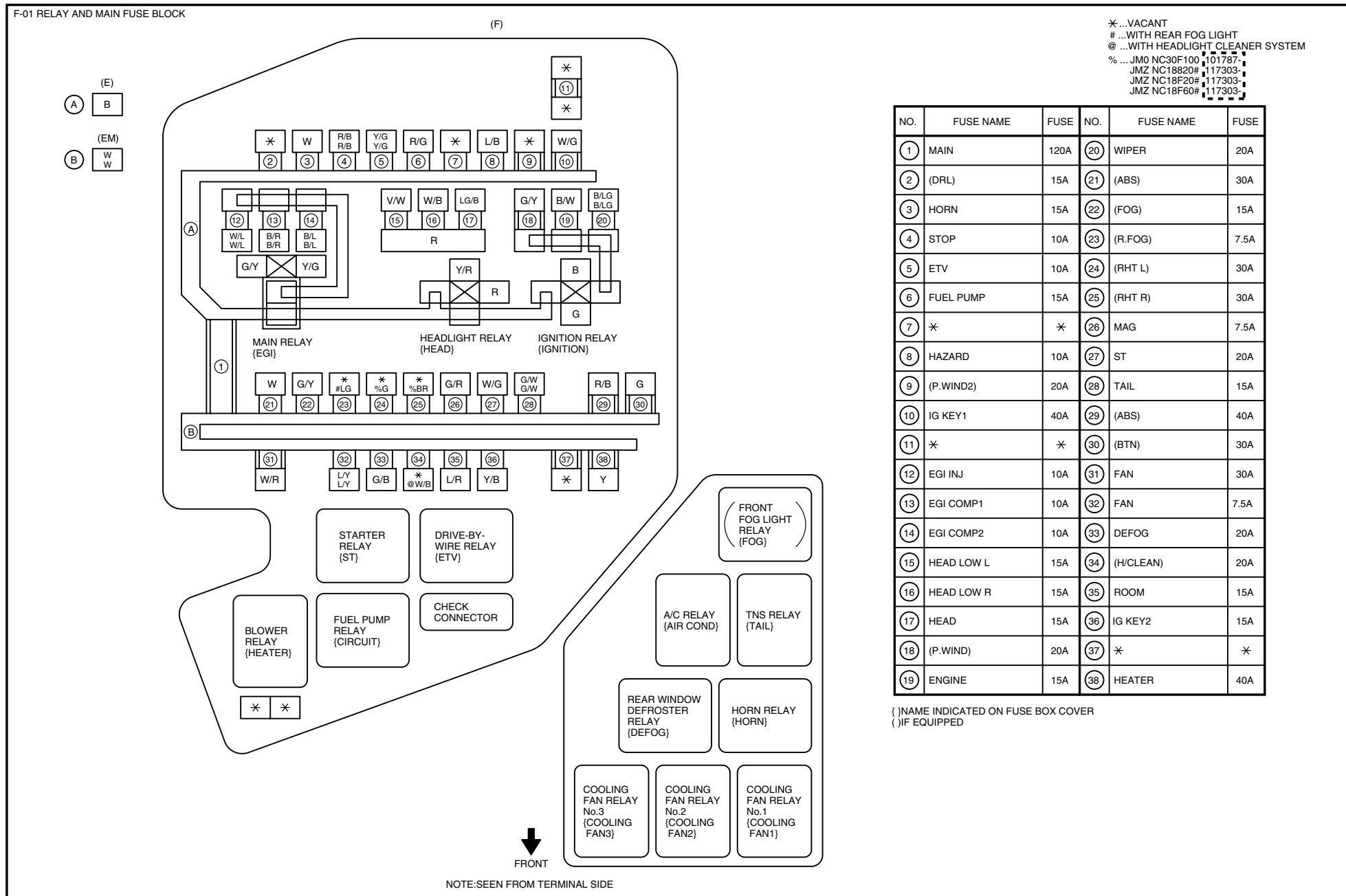
00E



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# FUSE BOX

00F-1

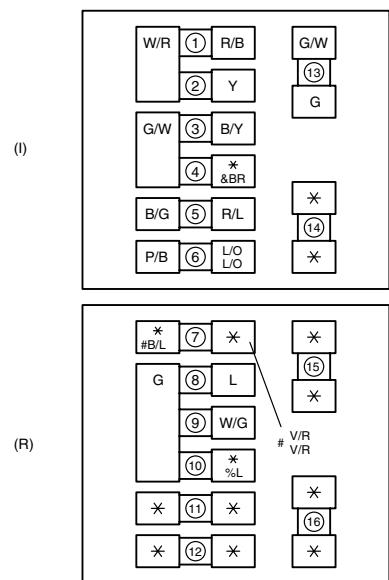


## FUSE BOX

F-02 FUSE BLOCK

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

21



NOTE:SEEN FROM TERMINAL SIDE

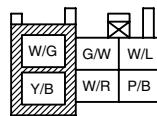
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
(1)	ACC	7.5A	(9)	(D.LOCK)	20A
(2)	AUX PWR	15A	(10)	SILEN	7.5A
(3)	METER	15A	(11)	*	*
(4)	(SEAT WARM)	20A	(12)	*	*
(5)	ILLUMI	7.5A	(13)	ENGINE	7.5A
(6)	A/C	7.5A	(14)	*	*
(7)	M DEF	7.5A	(15)	*	*
(8)	(AUDIO)	20A	(16)	*	*

( )IF EQUIPPED

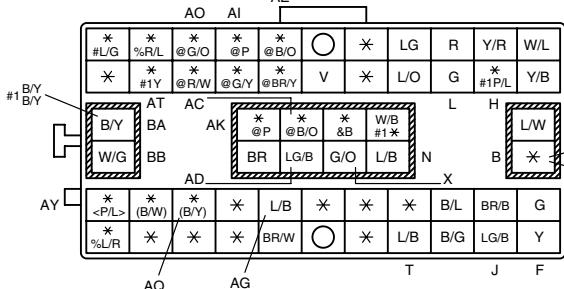
00F-2

## COMMON CONNECTOR LIST

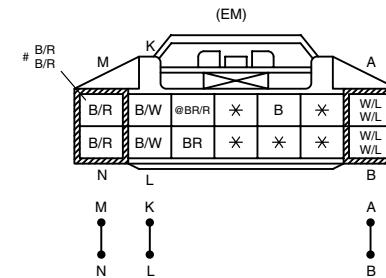
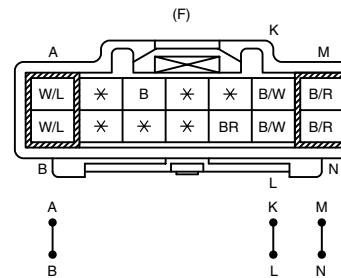
C-01 IGNITION SWITCH(I)



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



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

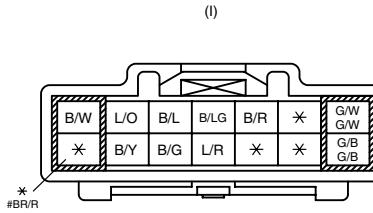
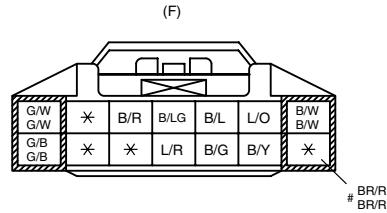


\* ...VACANT  
# ...WITH OIL CONTROL VALVE  
@ ...NOT USED

\* ...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... JM0 NC30F100#101787-  
JMZ NC18820#117303-  
JMZ NC18F20#117303-  
JMZ NC18F60#117303-

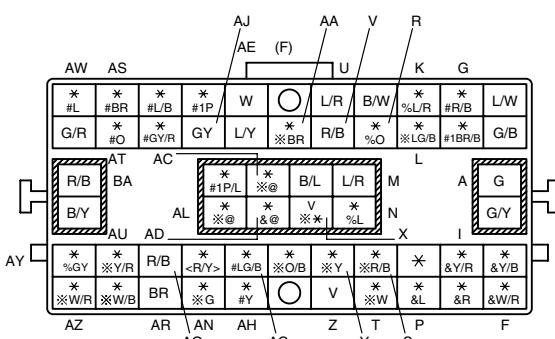
C-04 FRONT(F)-INSTRUMENT PANEL(I)

\* ...VACANT  
# ...WITH HEADLIGHT AUTO LEVELING SYSTEM

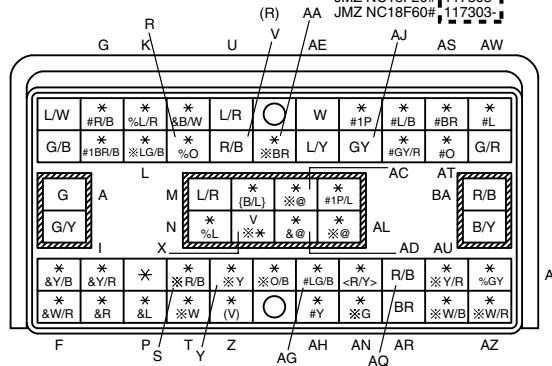


## COMMON CONNECTOR LIST

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

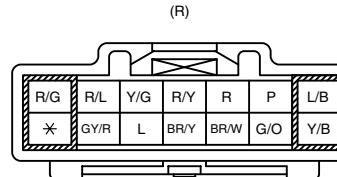
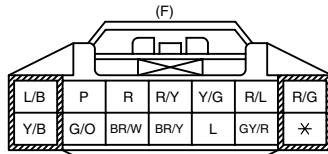


\* ...VACANT  
 # ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
 % ...WITH THEFT-DETERRENT SYSTEM  
 <>...WITH CRUISE CONTROL SYSTEM  
 <>...AT  
 & ...WITH DSC  
 @ ...BARE WIRE  
 (...) ...WITH HEATED OUTER MIRROR  
 (...) ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM AND KEYLESS ENTRY SYSTEM  
 #1... JMO NC30F100 101787-  
 JMZ NC18820# 117303-  
 JMZ NC18F20# 117303-  
 AA JMZ NC18F60# 117303-



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

\* ...VACANT

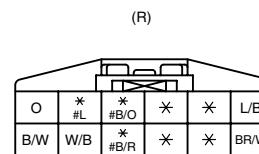
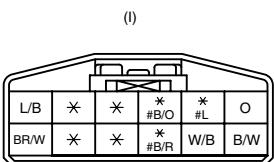


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Revised 9/2008 (Ref. No. L090/08)

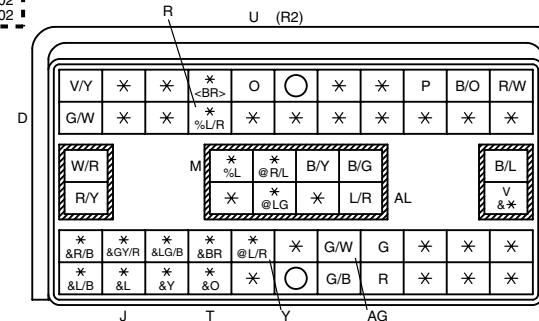
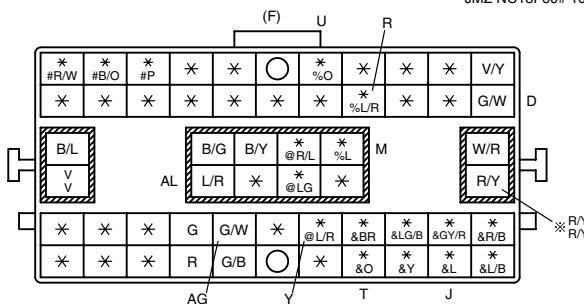
C-07 INSTRUMENT PANEL(I)-REAR(R)

\* ...VACANT  
 # ...WITH PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH



## COMMON CONNECTOR LIST

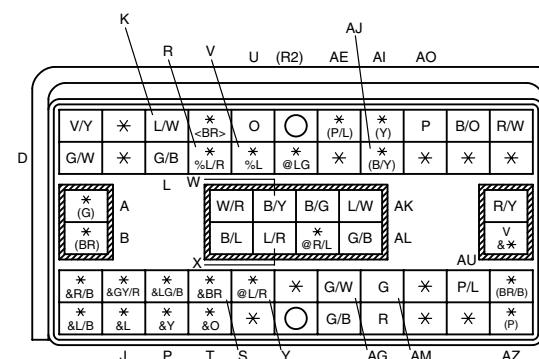
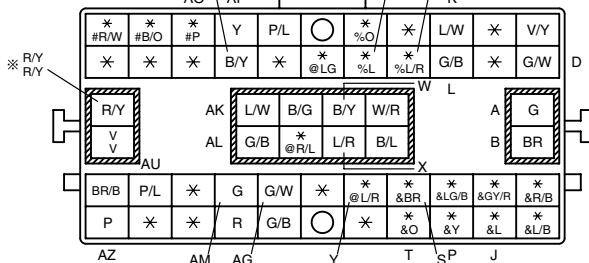
C-08 FRONT(F)-REAR No.2(R2)



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

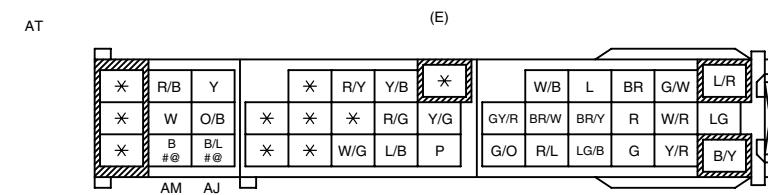
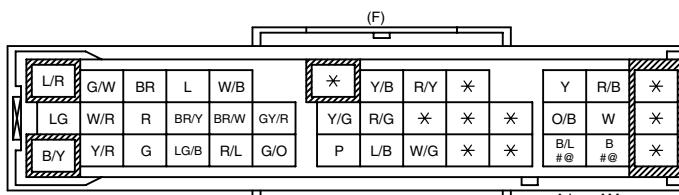
Mazda MX-5 Wiring Diagram (5686-1\*-06F)

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



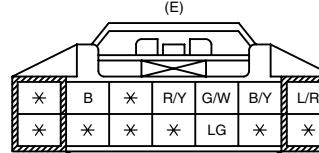
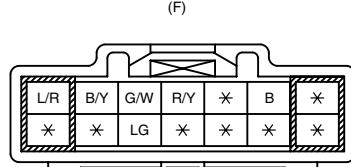
- \* ...VACANT
- &...WITH ADVANCED KEYLESS ENTRY & START SYSTEM
- %...WITH THEFT-DETERRENT SYSTEM
- @...WITH REAR FOG LIGHT
- ※...AT
- #...WITH HEADLIGHT AUTO LEVELING SYSTEM
- <>...NOT USED
- (...)WITH POWER RETRACTABLE HARDTOP

C-10 FRONT(F)-ENGINE(E)



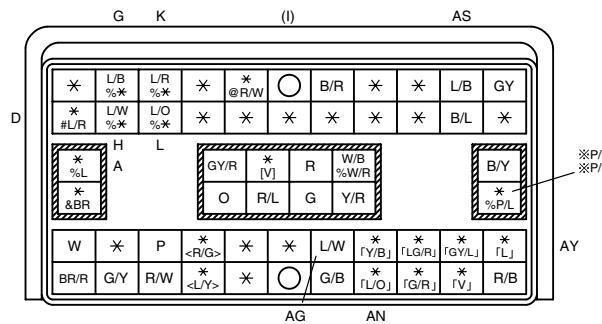
\* ...VACANT  
@ ...BARE WIRE  
# ... JM0 NC30F100 101787-  
JMZ NC18820# 117303-  
JMZ NC18F20# 117303-  
JMZ NC18F60# 117303-

\* ...VACANT



## COMMON CONNECTOR LIST

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



\*...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)



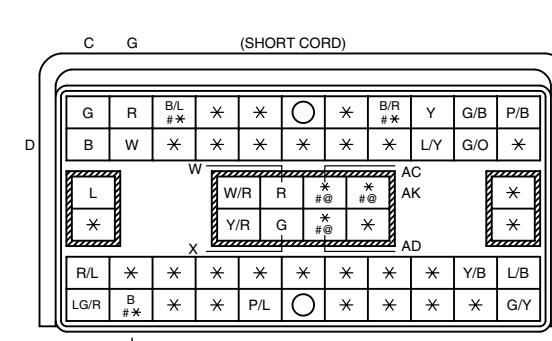
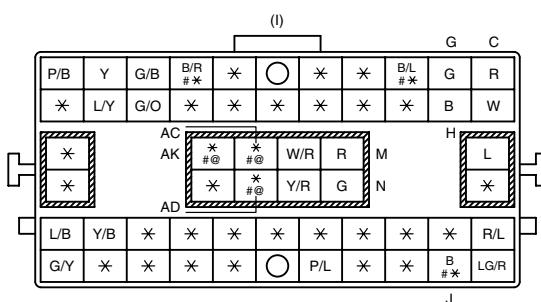
\*...VACANT  
 @ ...NOT USED

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



\*...VACANT  
 @ ...NOT USED

C-14 INSTRUMENT PANEL(I)-SHORT CORD



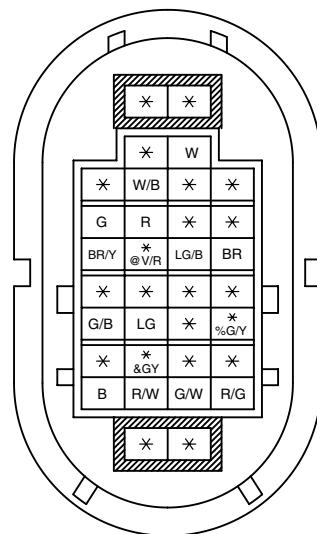
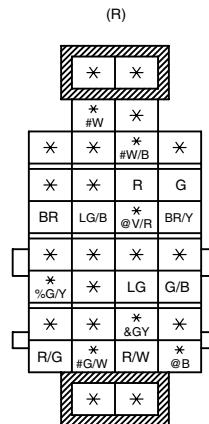
\*...VACANT  
 @ ...BARE WIRE  
 # ... JM0 NC30F100# 101787  
 JMZ NC18820# 117303  
 JMZ NC18F20# 117303  
 JMZ NC18F60# 117303

## COMMON CONNECTOR LIST

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

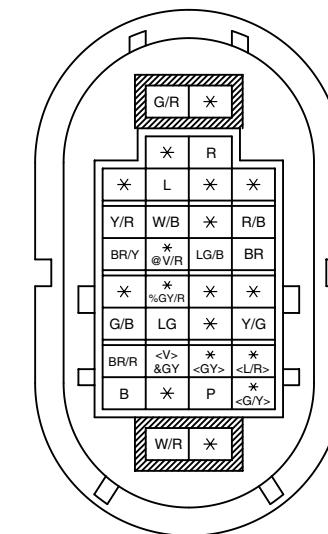
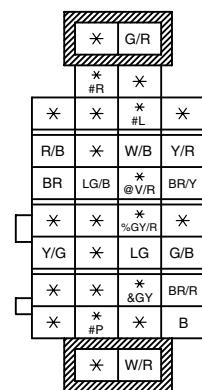
(DR2)



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

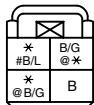
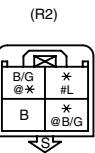
\*...VACANT  
 # ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
 @ ...WITH HEATED OUTER MIRROR  
 % ...WITH THEFT-DETERRENT SYSTEM  
 & ...WITH DOUBLE LOCK  
 <>...NOT USED

(DR1)

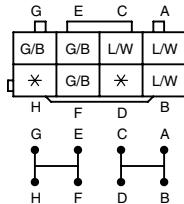


C-17 REAR No.2(R2)-REAR No.3(R3)

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

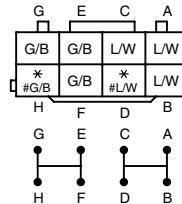


C-18 JOINT CONNECTOR(F)



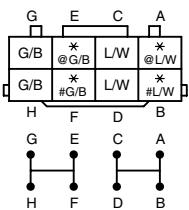
\*...VACANT

C-19 JOINT CONNECTOR(I)



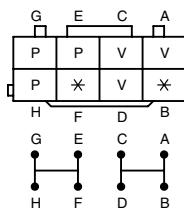
\*...VACANT  
 # ...WITH DSC

C-20 JOINT CONNECTOR(R)



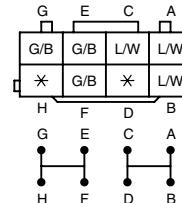
\*...VACANT  
 # ...AT  
 @ ...WITH THEFT-DETERRENT SYSTEM

C-21 JOINT CONNECTOR(SHORT CORD)



\*...VACANT

C-22 JOINT CONNECTOR(R2)

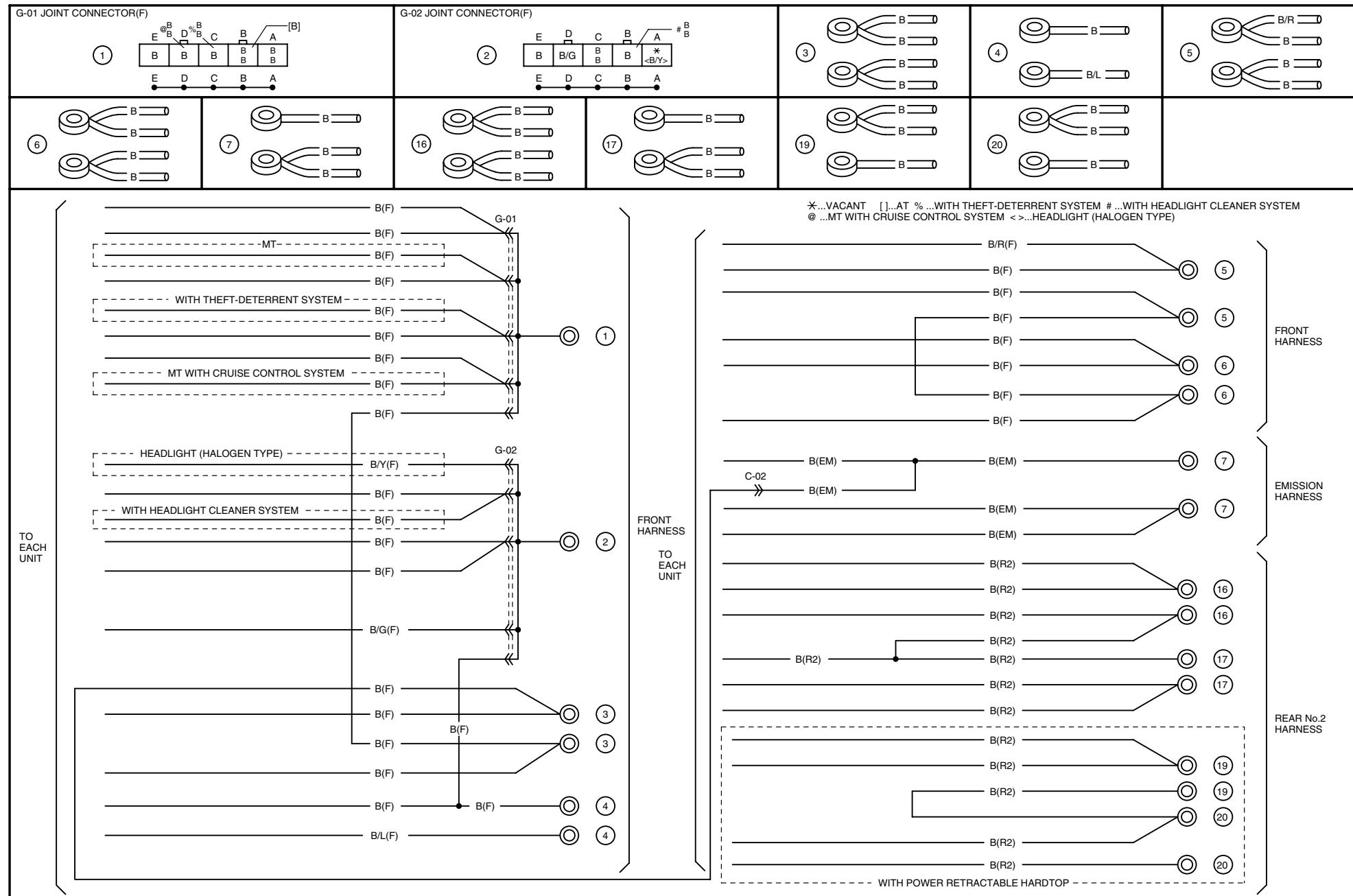


\*...VACANT

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LEFT BLANK**

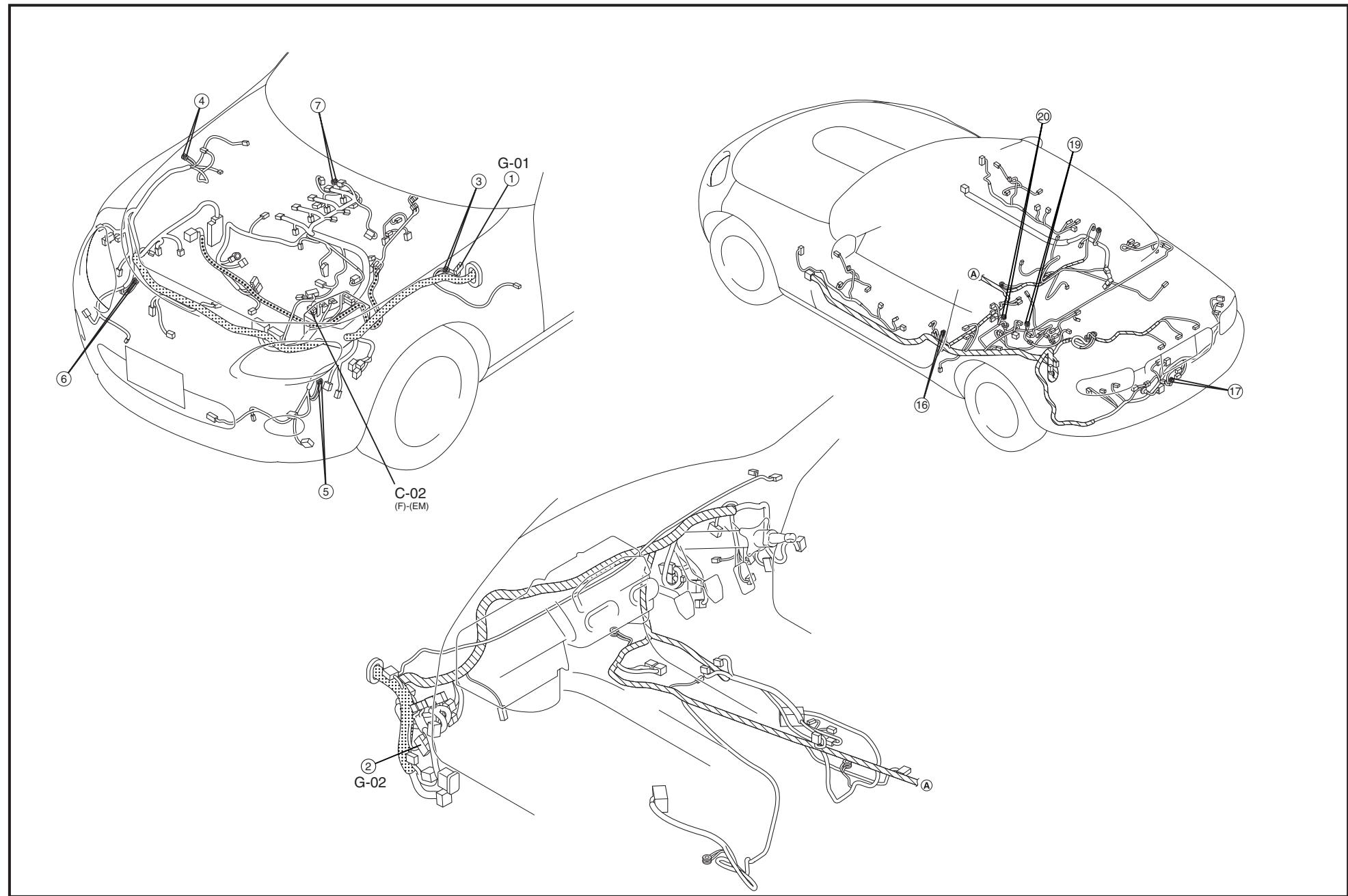
# GROUND POINT

00G-a



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

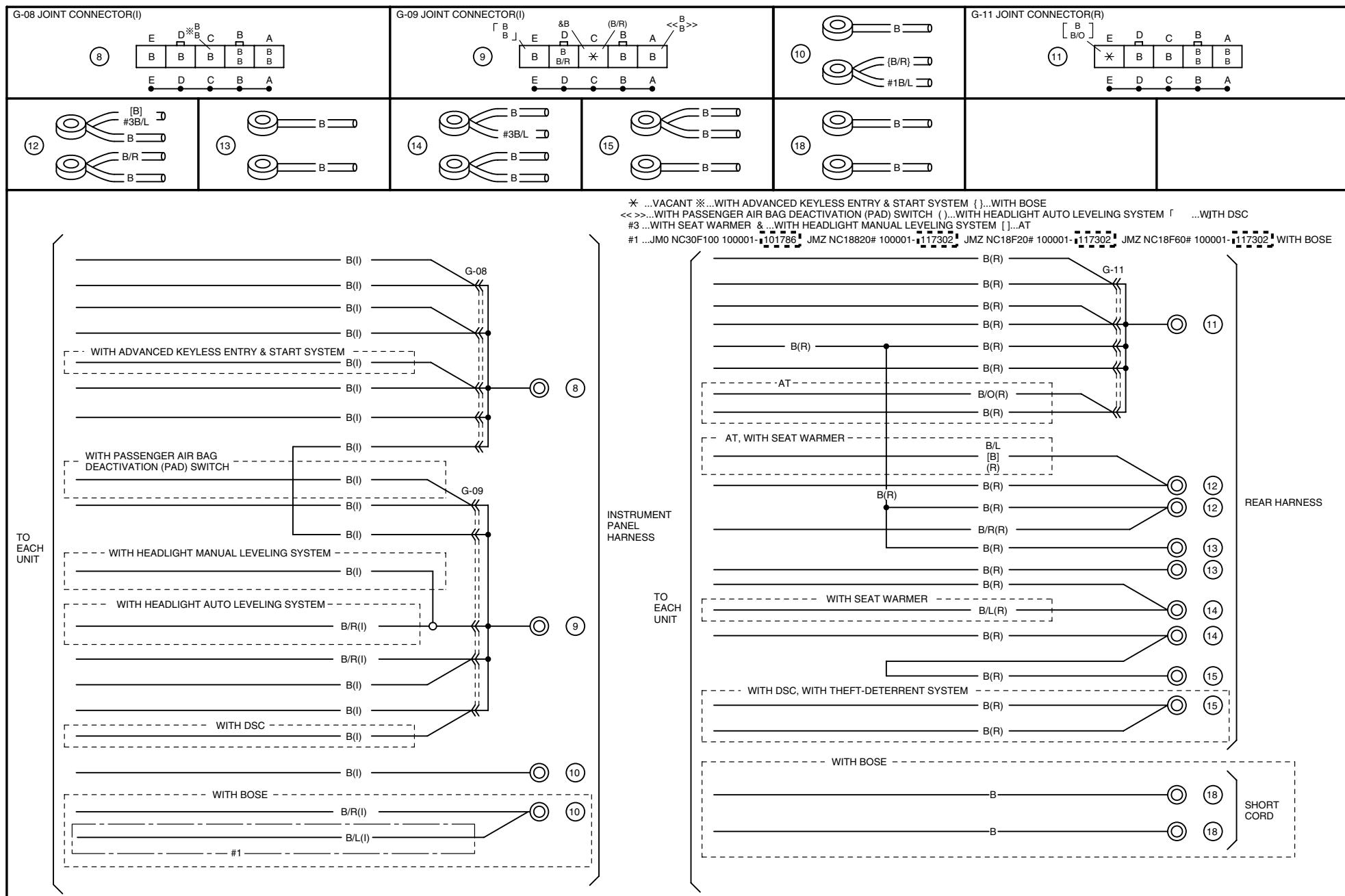
29



00G-a

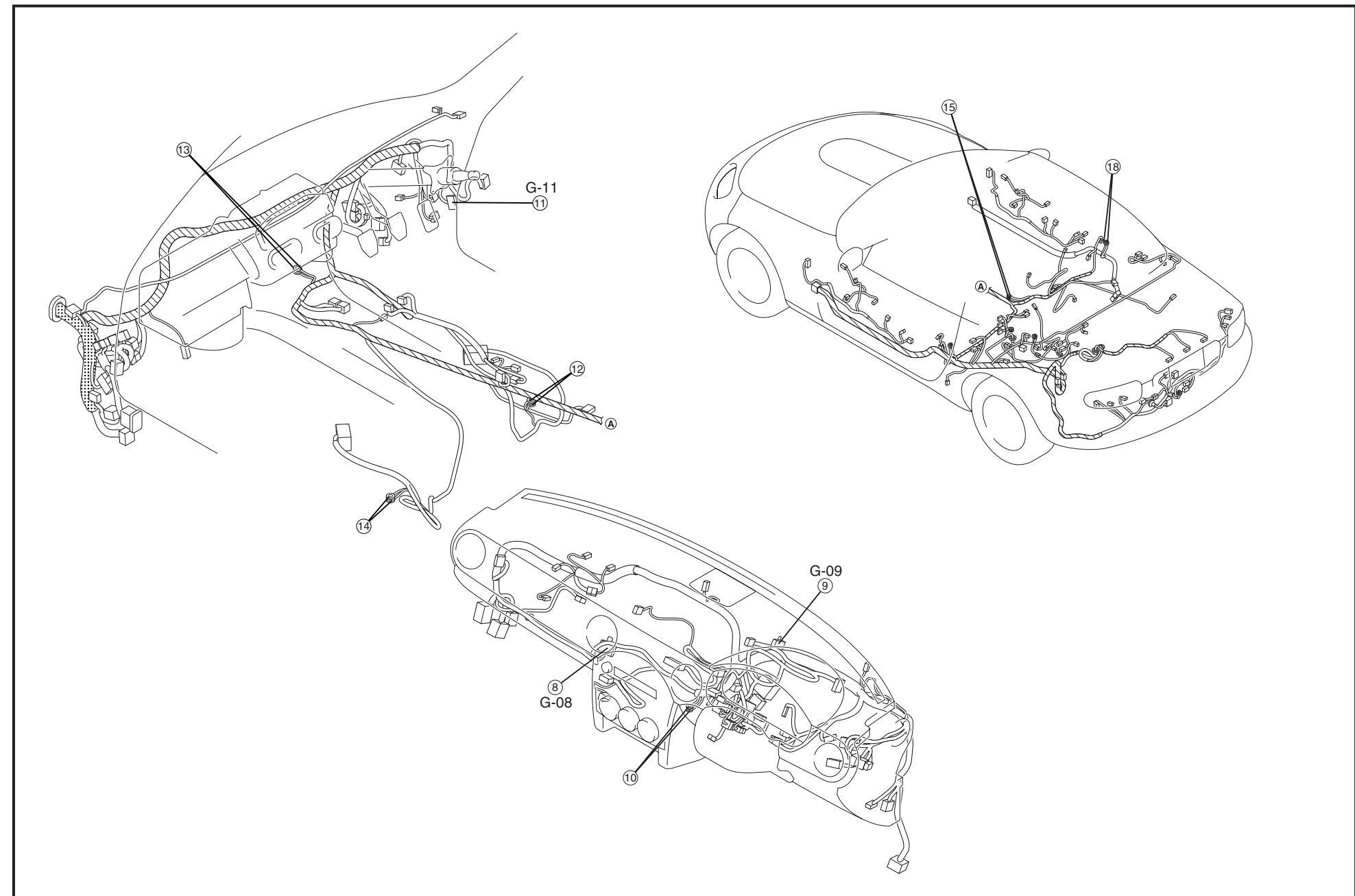
# GROUND POINT

00G-b



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

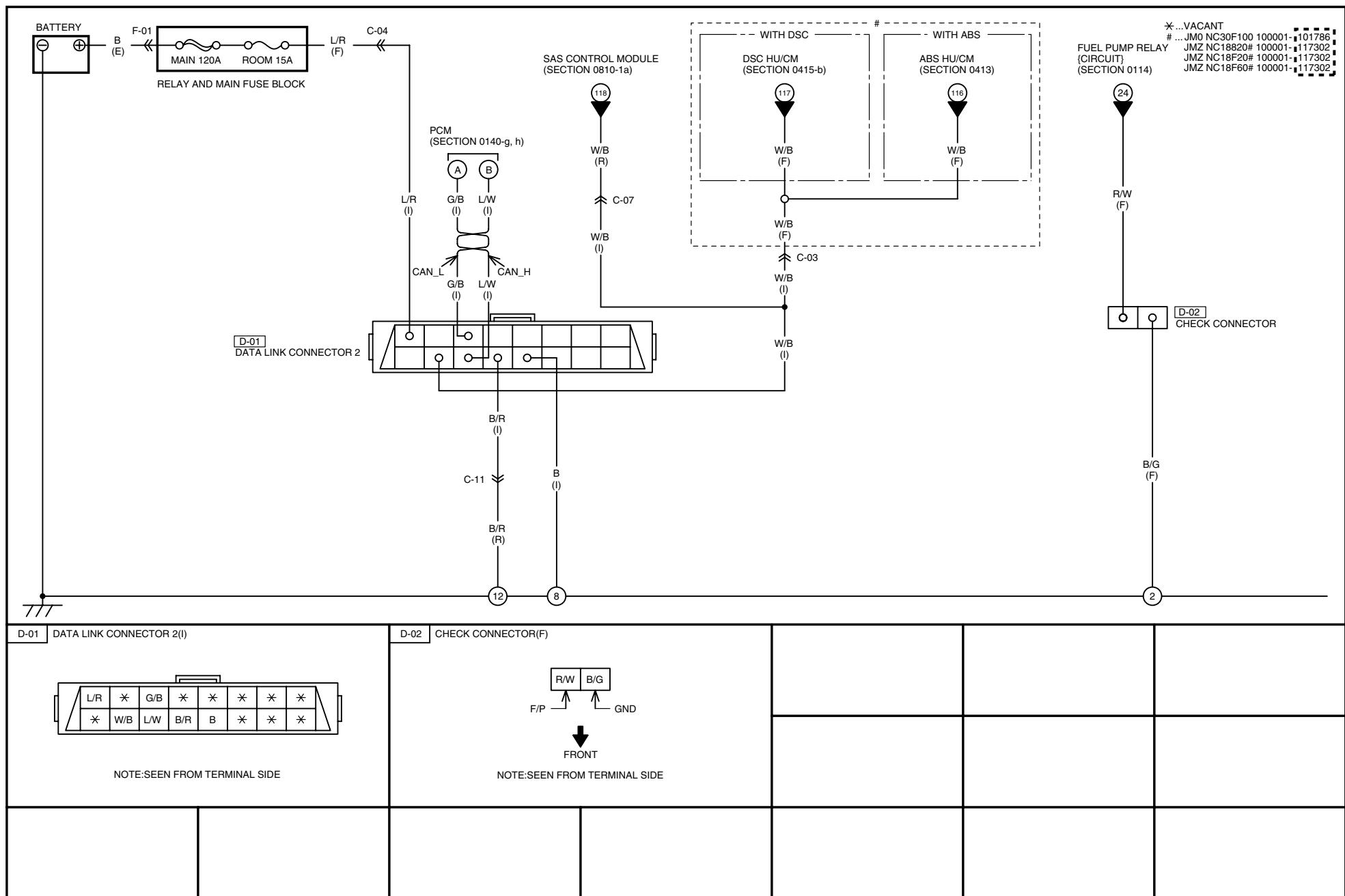
31



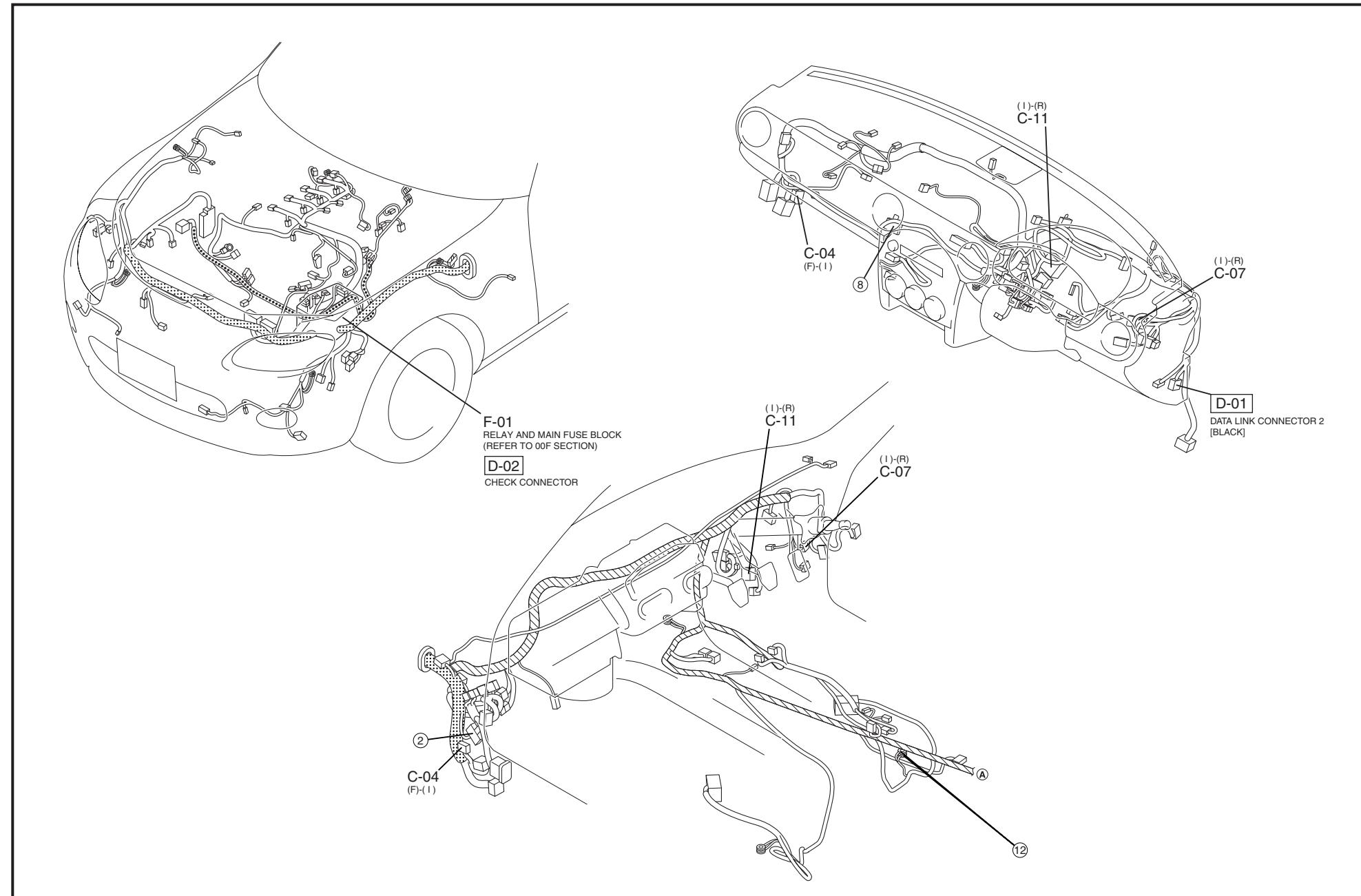
00G-b

# DATA LINK CONNECTOR

00D

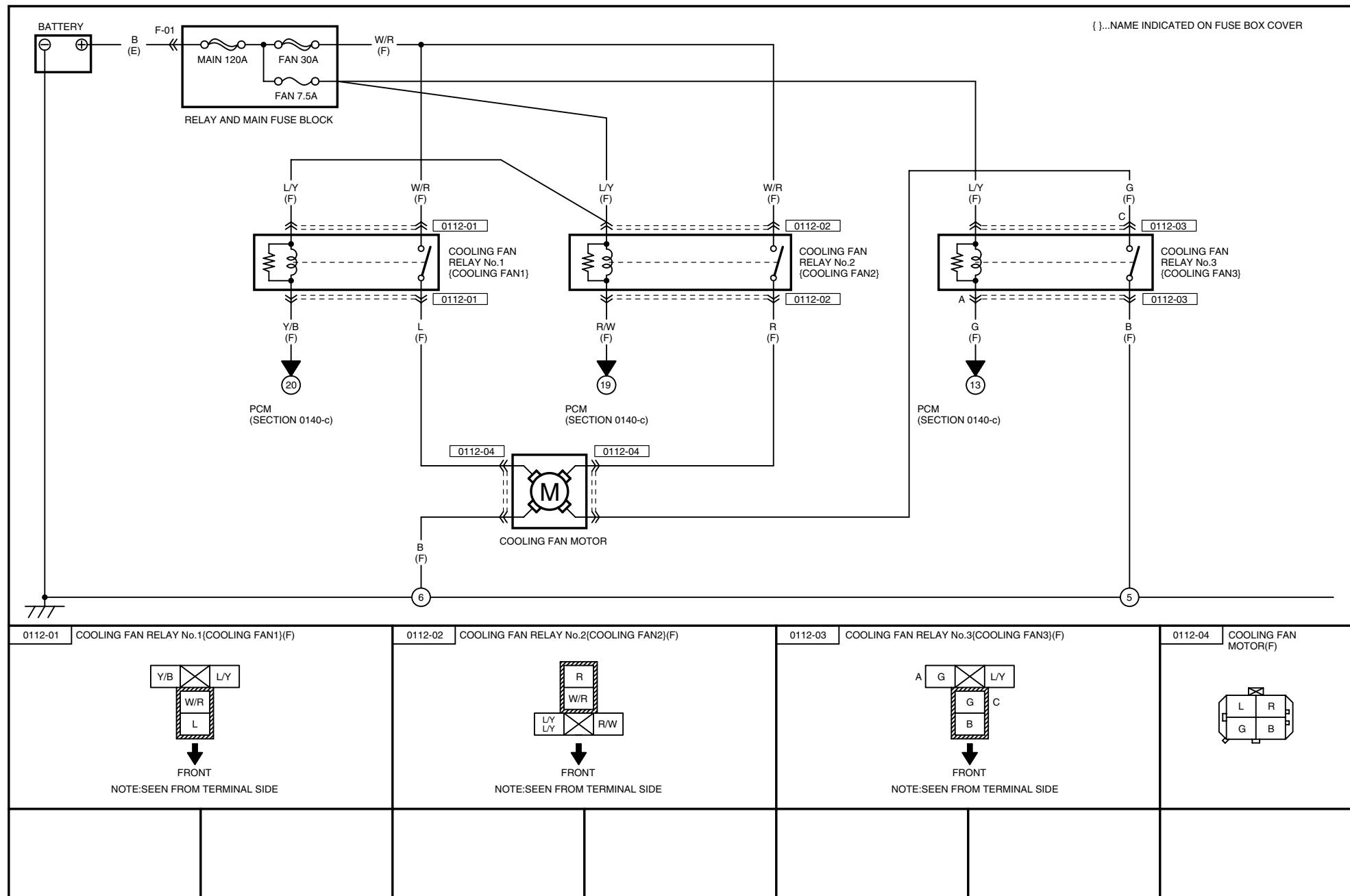


HARNESS SYMBOL: (F) (E) (R)



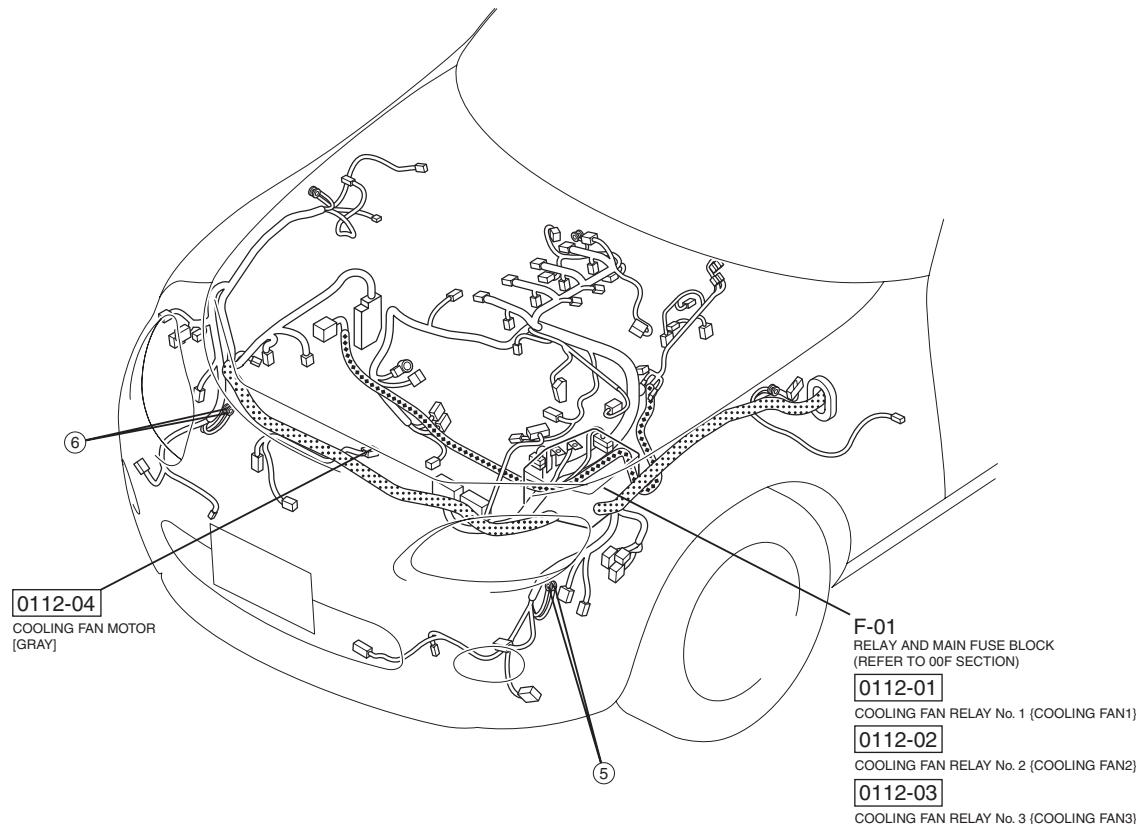
# COOLING SYSTEM

0112

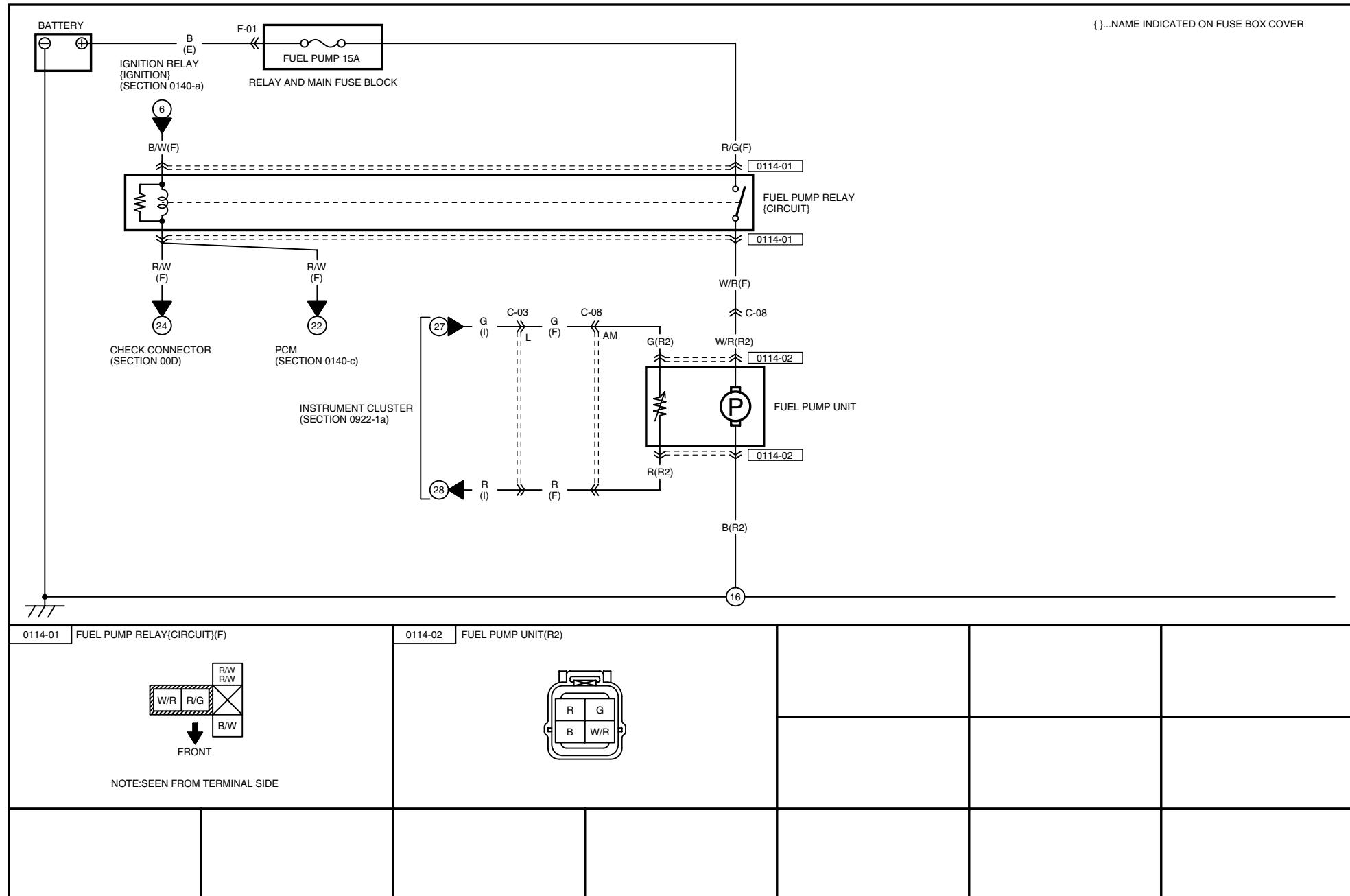


HARNESS SYMBOL: (F) (E) (R)

35

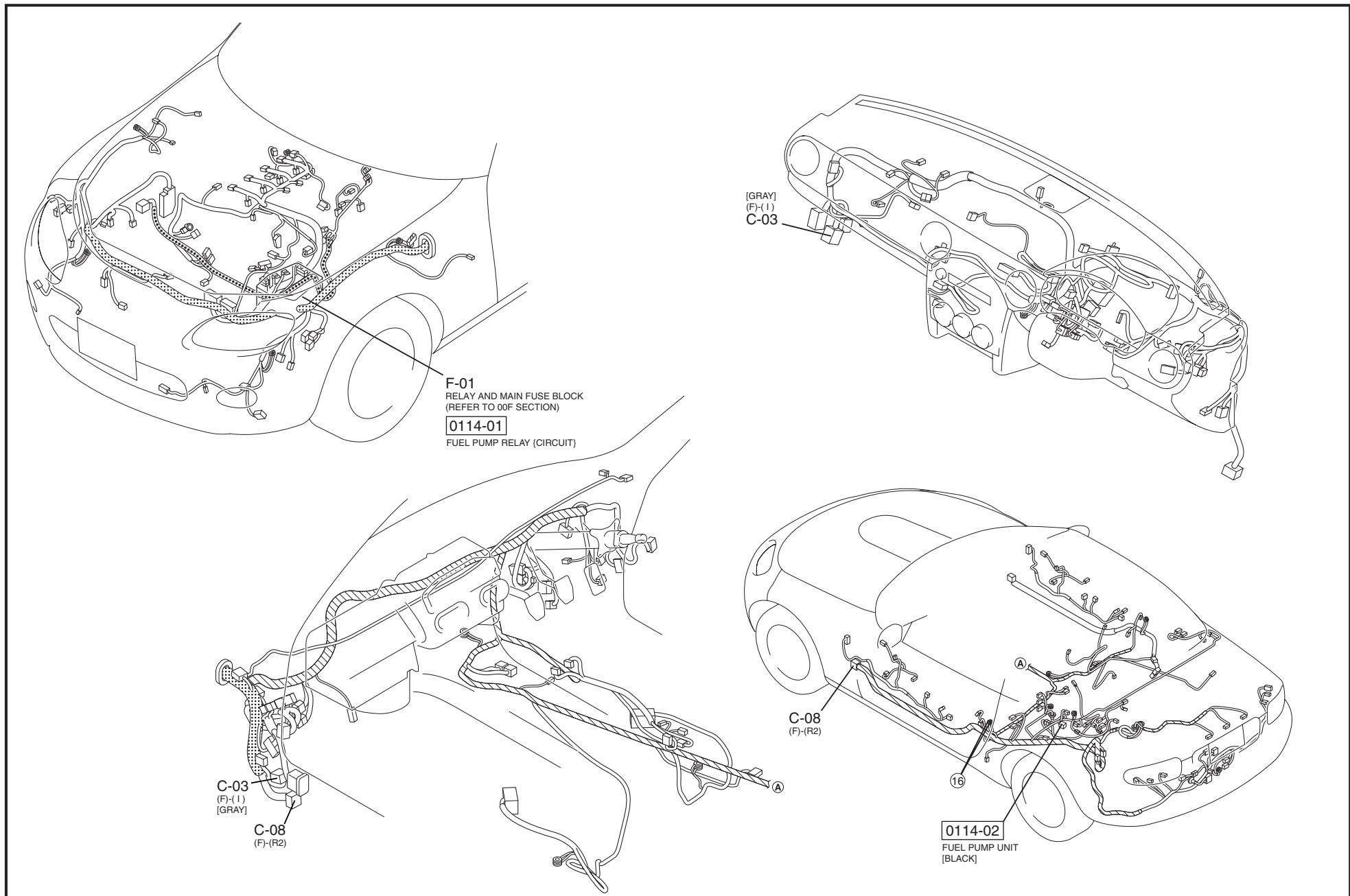


## FUEL SYSTEM



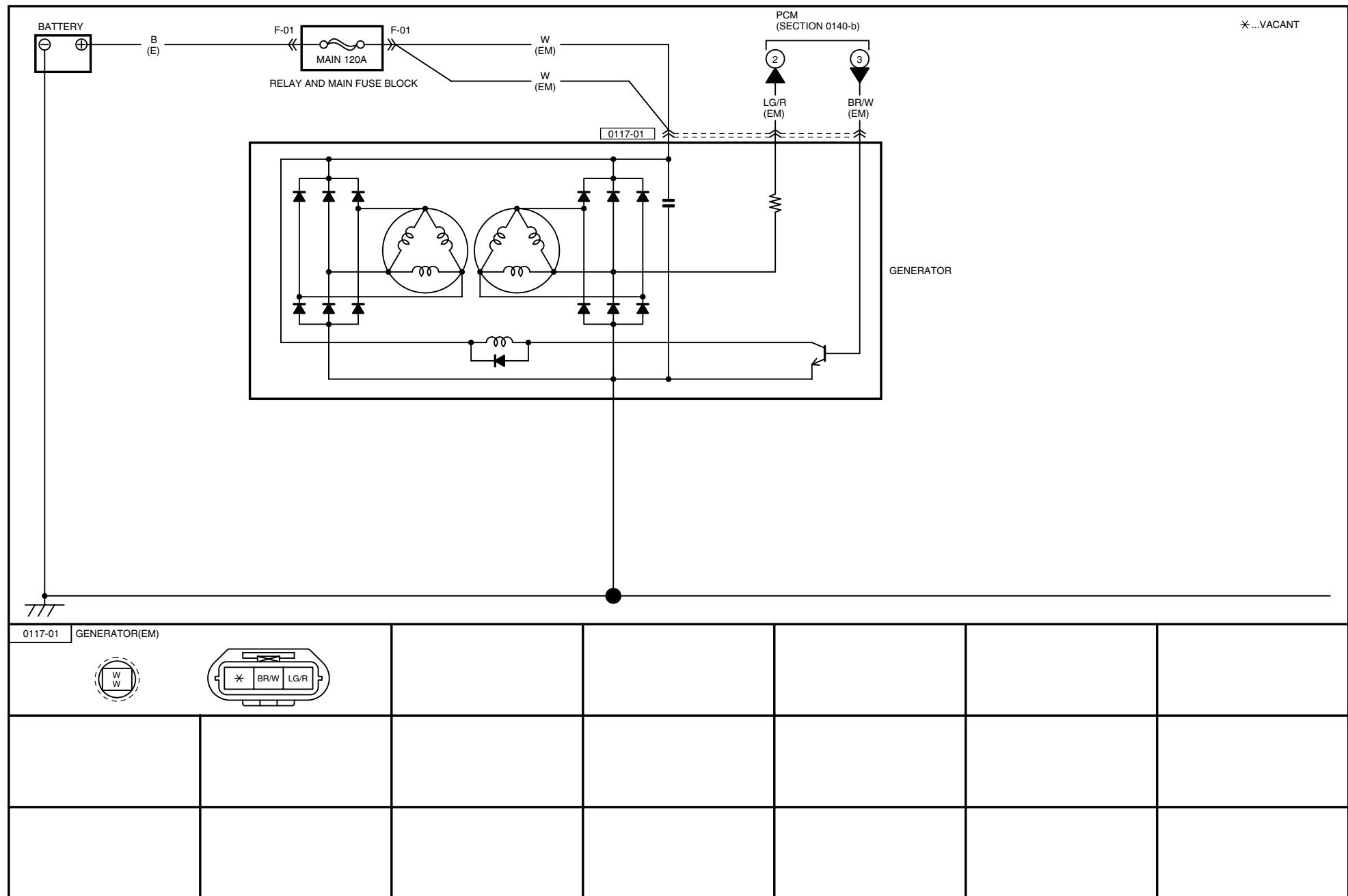
HARNESS SYMBOL: (F) (E) (R)

37

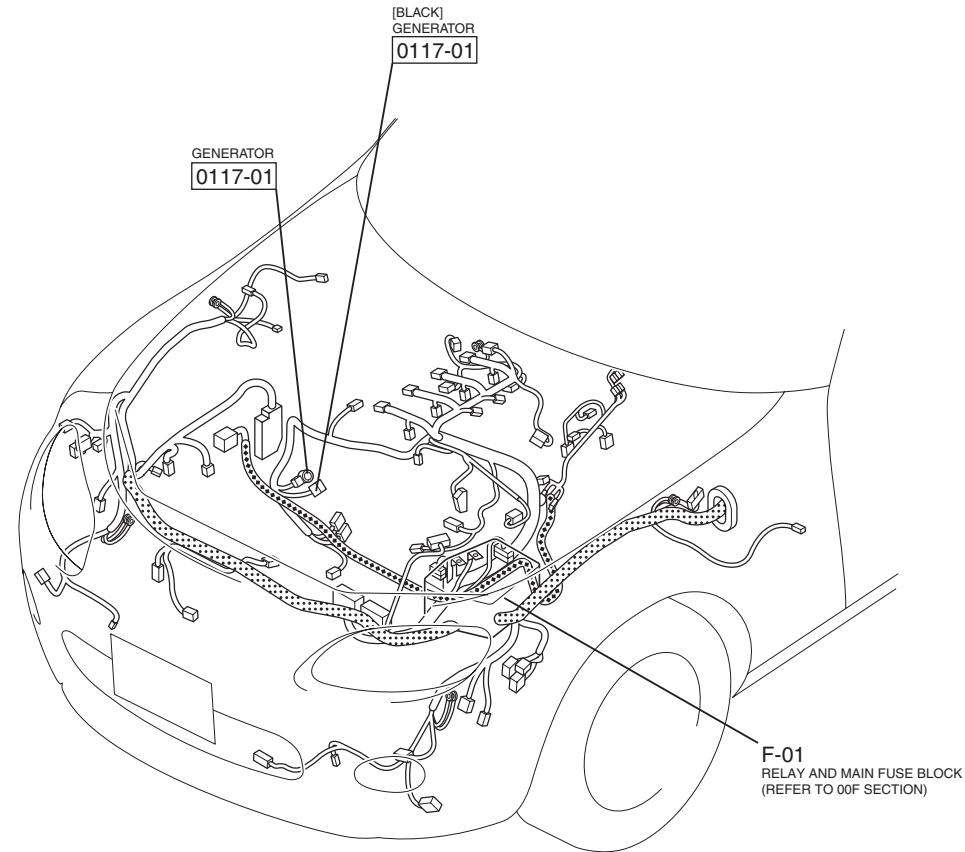


# CHARGING SYSTEM

0117

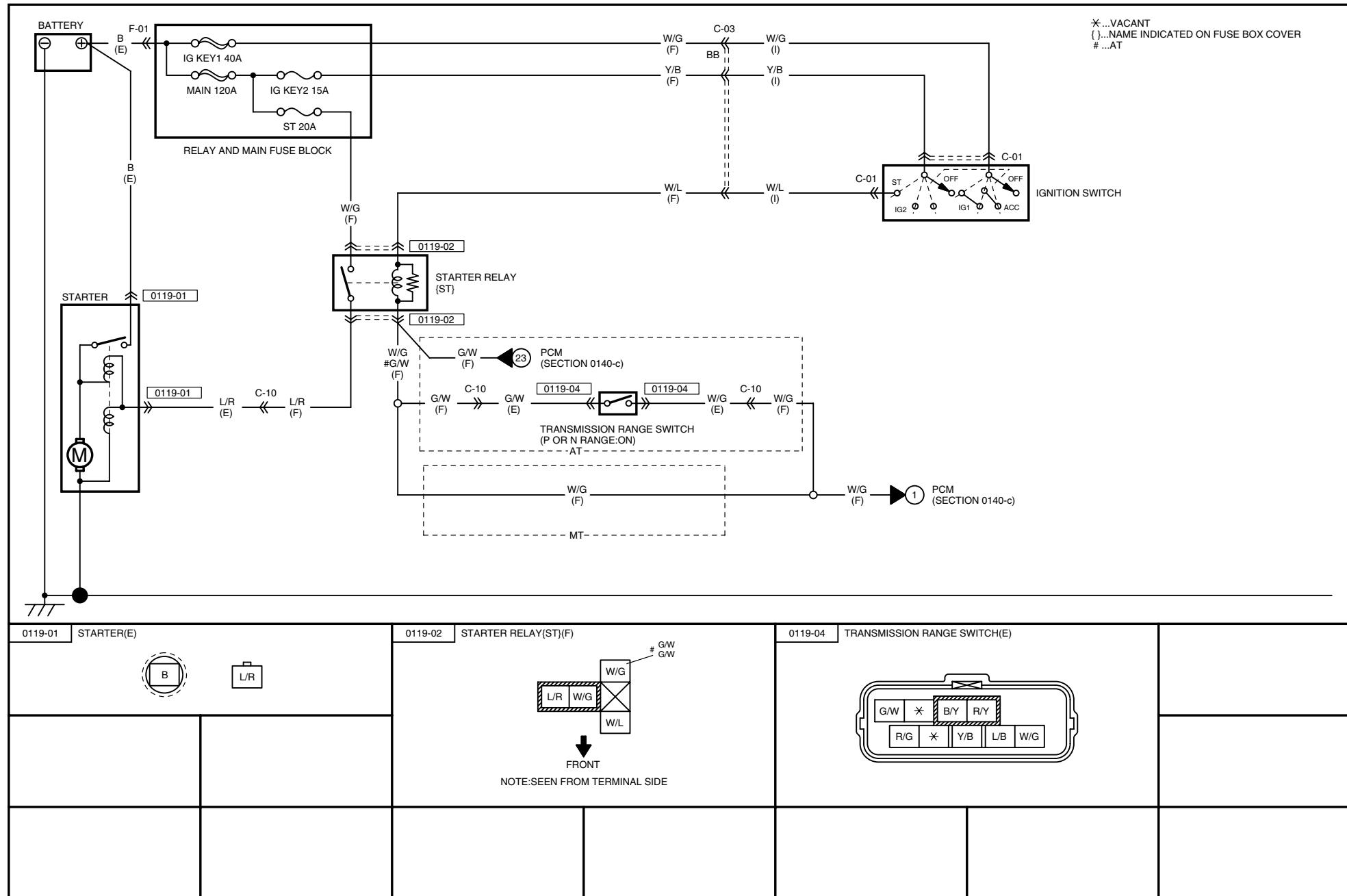


HARNESS SYMBOL: (F) (E) (R)



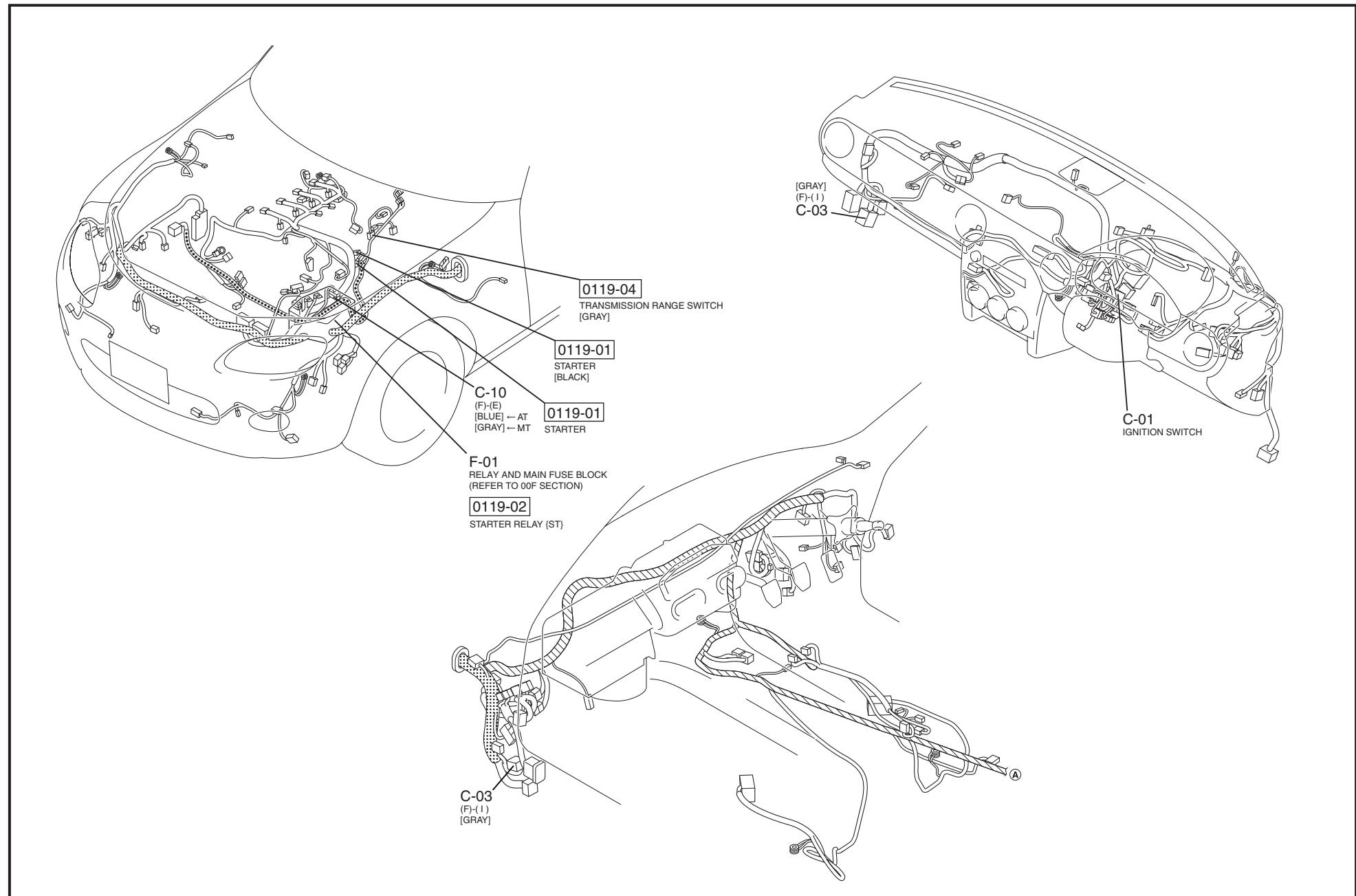
# STARTING SYSTEM

0119

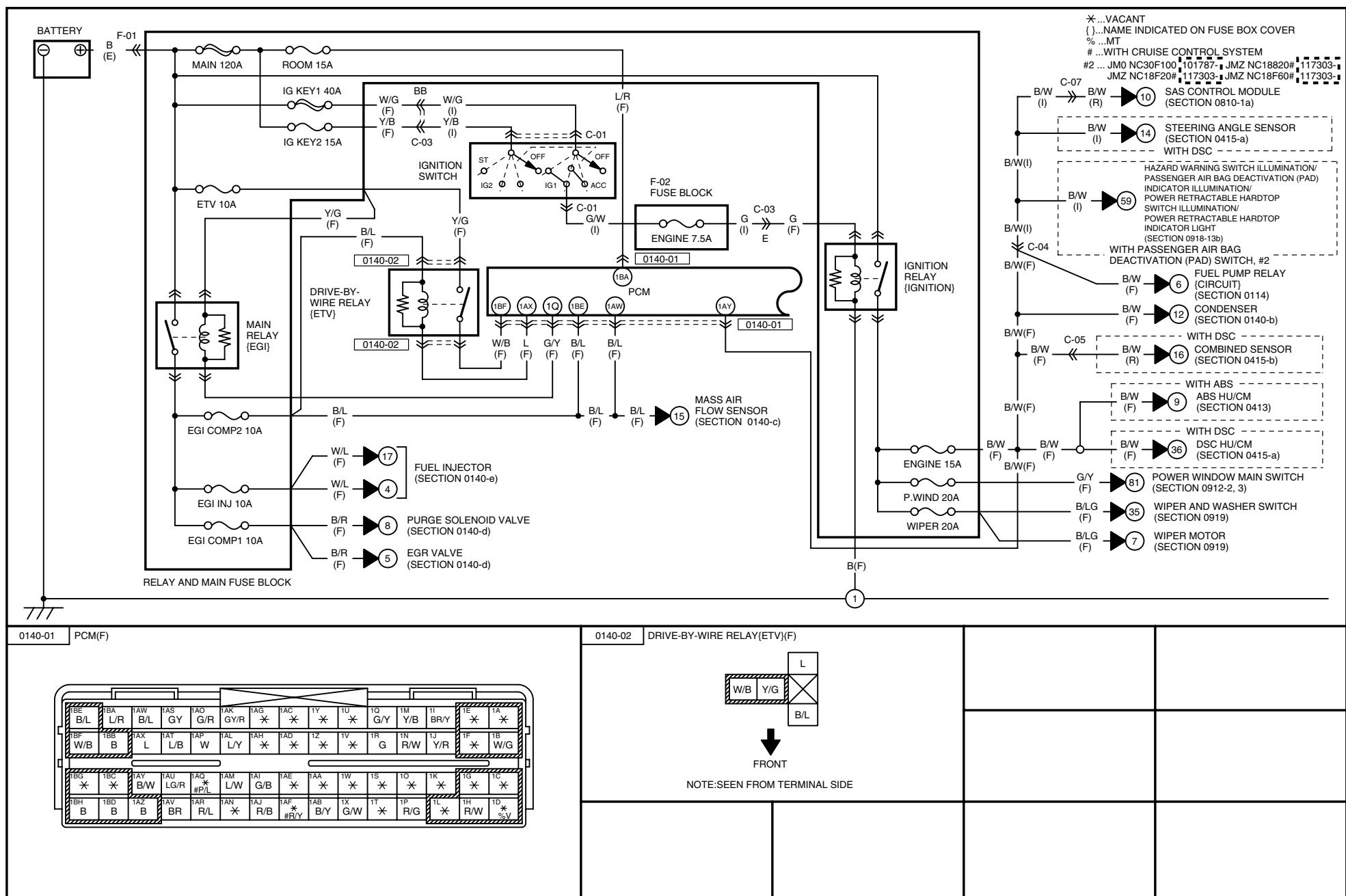


HARNESS SYMBOL: (F) (E) (R)

41

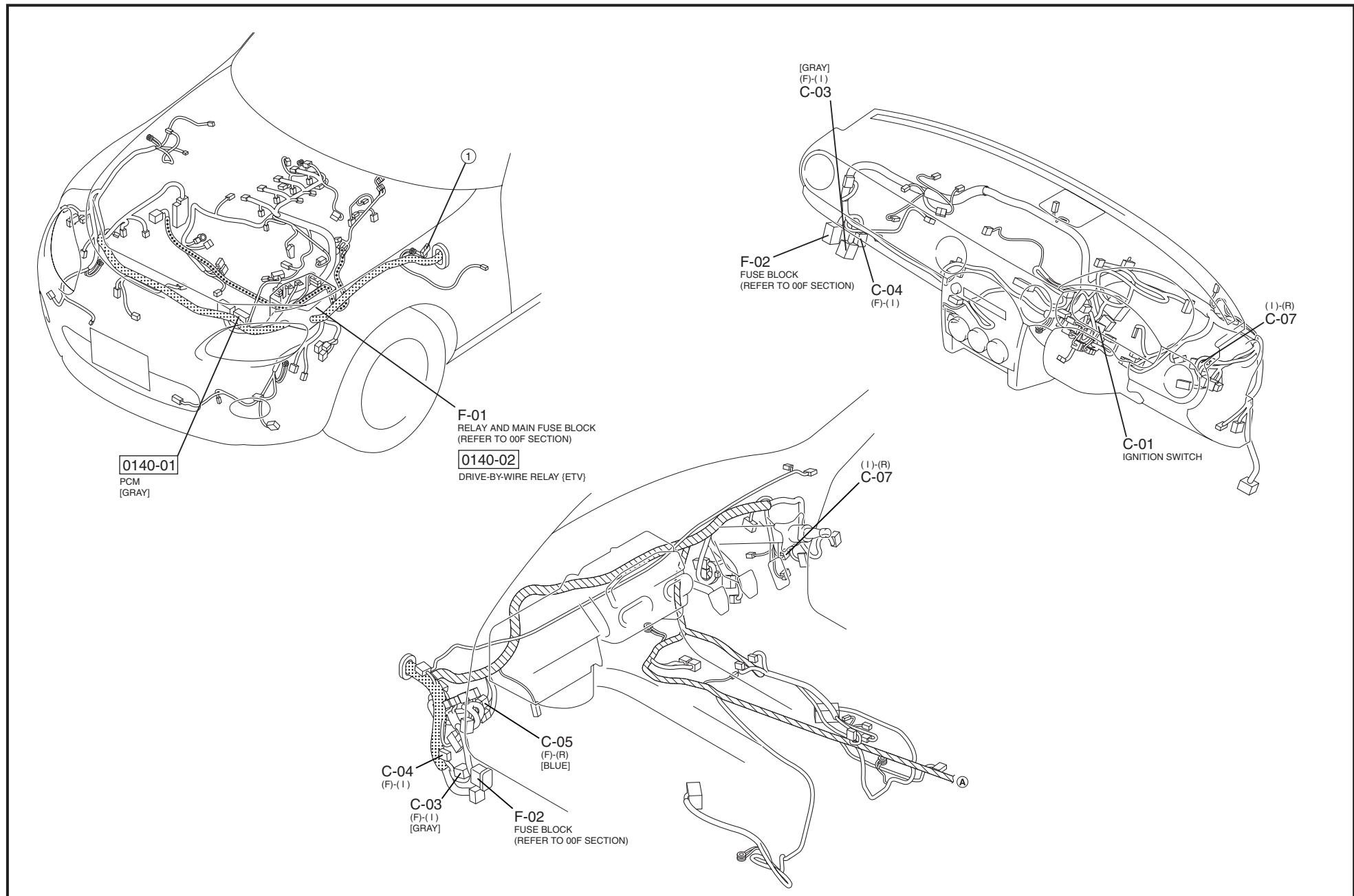


## **CONTROL SYSTEM**



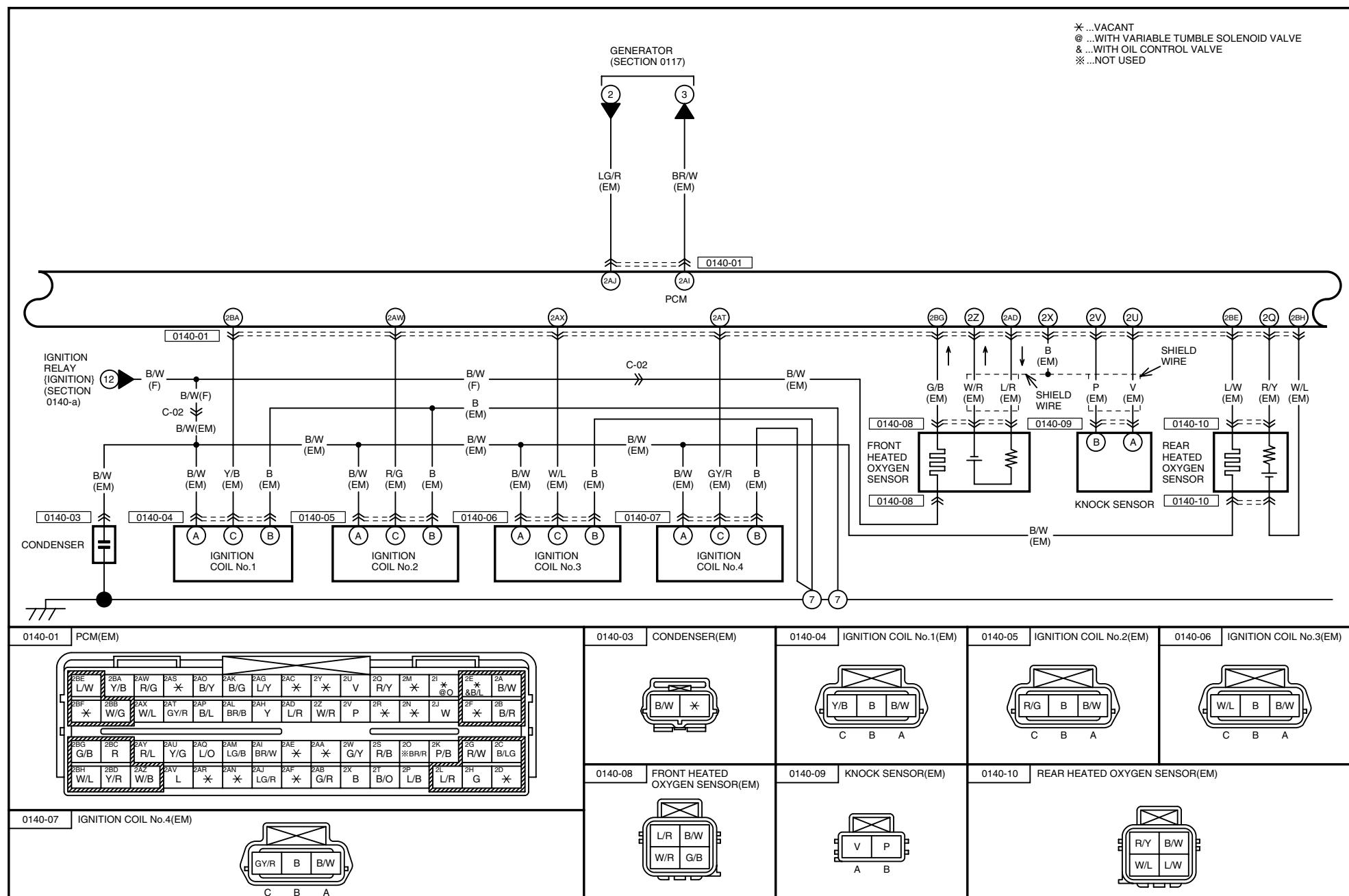
HARNESS SYMBOL: (F) (E) (R)

43



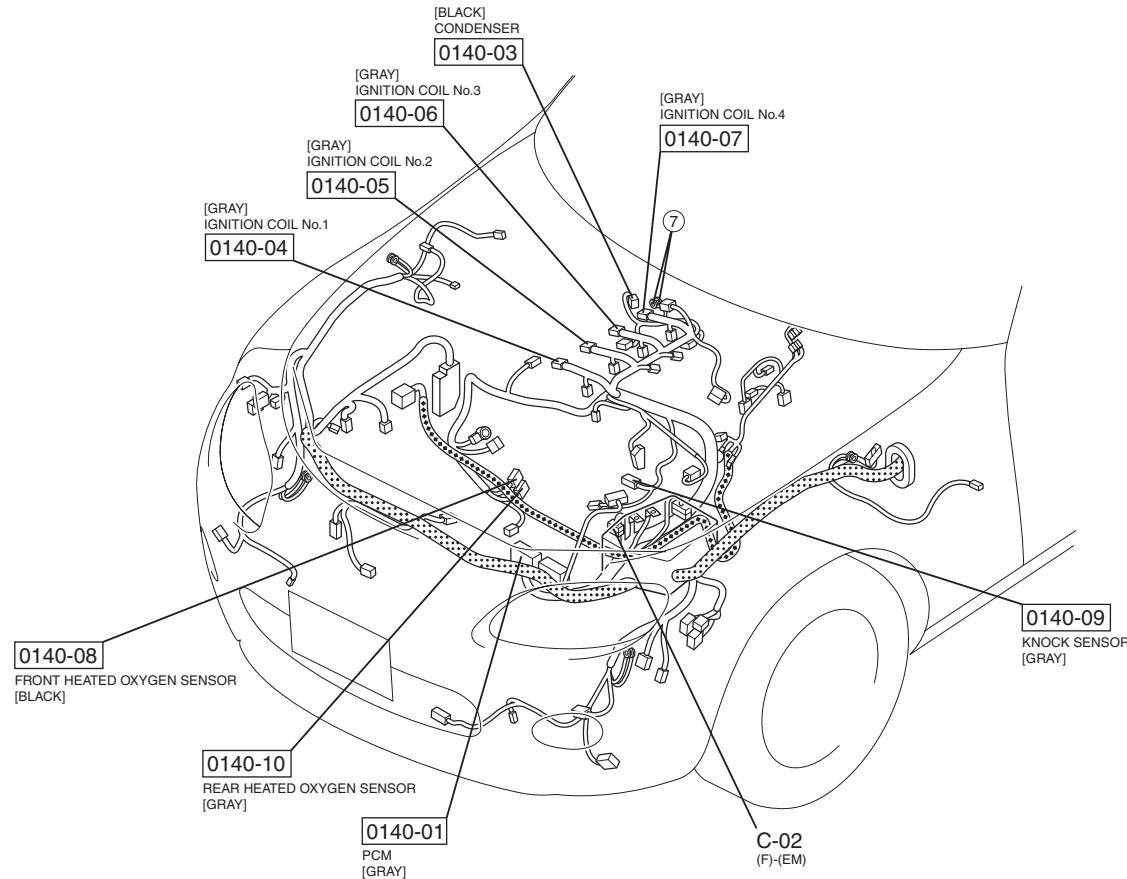
# CONTROL SYSTEM

0140-b



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

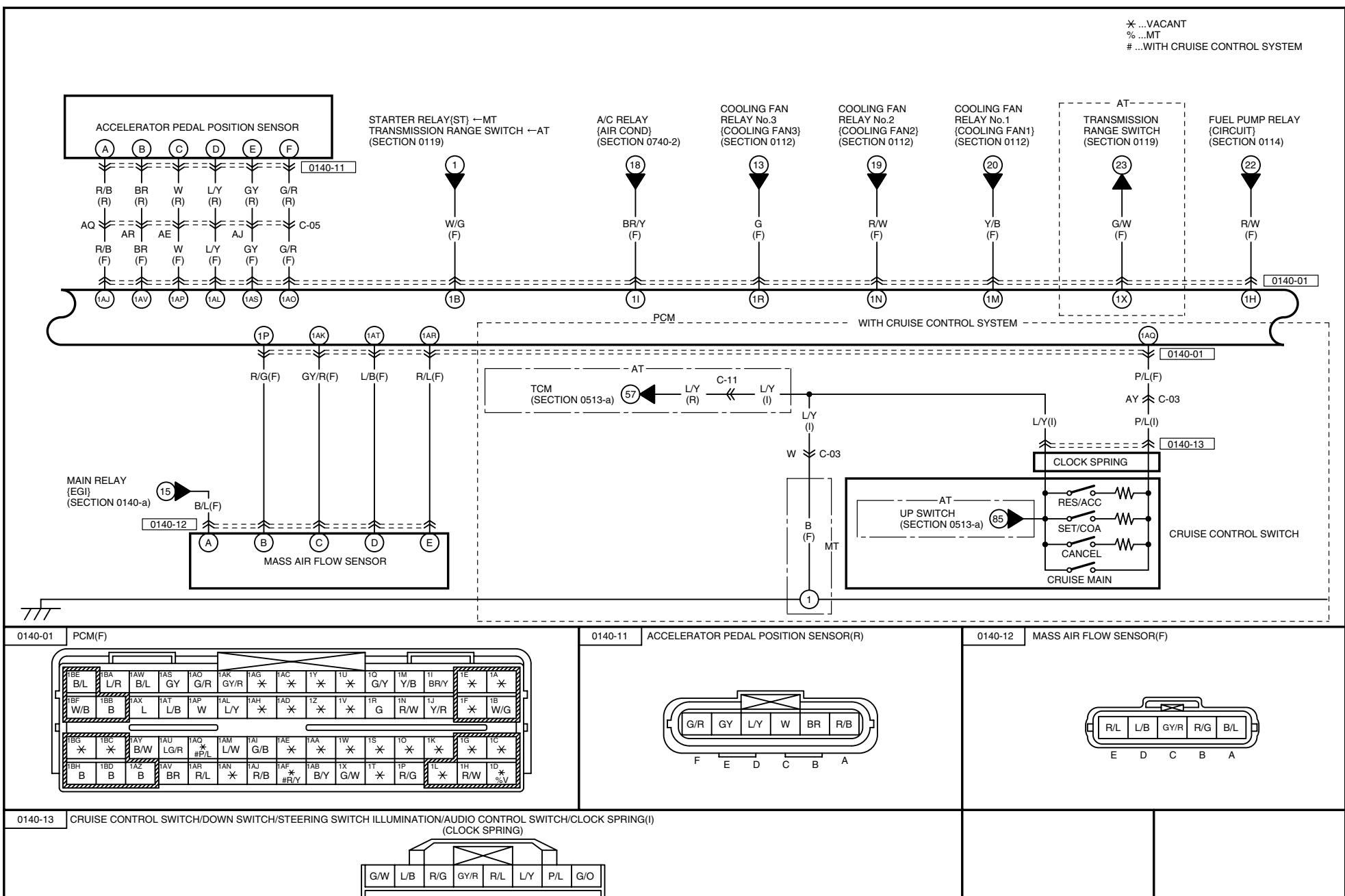
45



# CONTROL SYSTEM

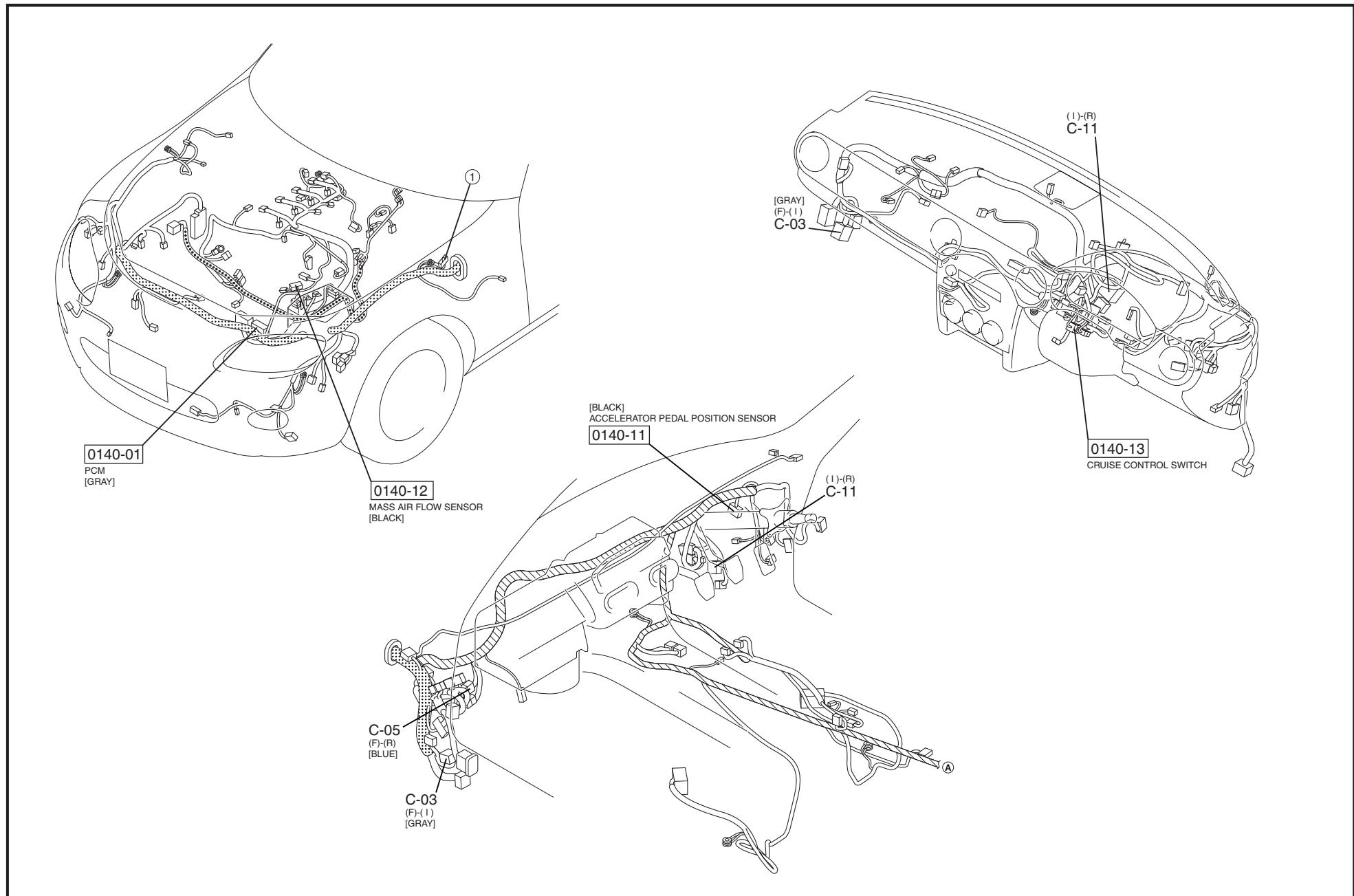
0140-c

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



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

47

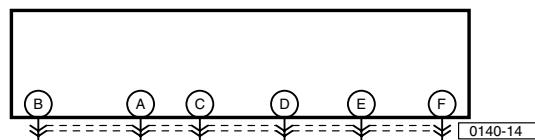


# CONTROL SYSTEM

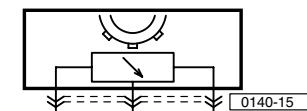
0140-d

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

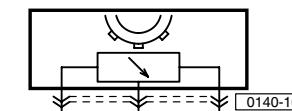
THROTTLE POSITION SENSOR



CRANKSHAFT POSITION SENSOR



CAMSHAFT POSITION SENSOR



SENSOR GROUND

PCM

CONSTANT VOLTAGE (V<sub>ref</sub>)

SENSOR GROUND

CONSTANT VOLTAGE (V<sub>ref</sub>)

WITH OIL CONTROL VALVE

OIL CONTROL VALVE

0140-17

B/L (EM)

0140-17

B/R (EM)

PURGE SOLENOID VALVE

0140-18

B/LG (EM)

0140-18

B/R (EM)

WITH VARIABLE TUMBLE SOLENOID VALVE

VARIABLE TUMBLE SOLENOID VALVE

0140-28

O (EM)

0140-28

B/R (EM)

WITH VARIABLE INTAKE AIR SOLENOID VALVE

VARIABLE INTAKE AIR SOLENOID VALVE

0140-19

W (EM)

0140-19

B/R (EM)

EGR VALVE

0140-20

P/B (EM)

R/W (EM)

L/R (EM)

G (EM)

MAIN RELAY  
(EGI)  
(SECTION 0140-a)

8

B/R (F)

5

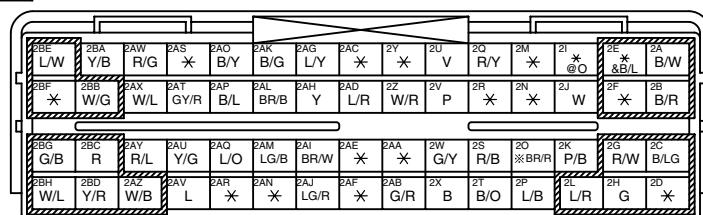
B/R (F)

C-02

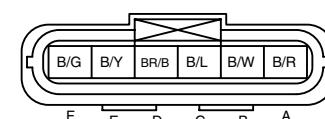
B/R (EM)

B/R (EM)

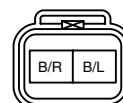
0140-01 PCM(EM)



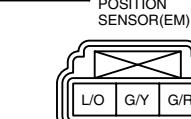
0140-14 THROTTLE POSITION SENSOR(EM)



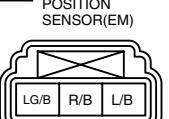
0140-17 OIL CONTROL VALVE(EM)



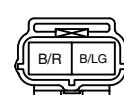
0140-15 CRANKSHAFT POSITION SENSOR(EM)



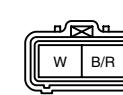
0140-16 CAMSHAFT POSITION SENSOR(EM)



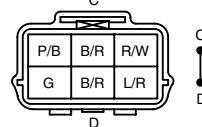
0140-18 PURGE SOLENOID VALVE(EM)



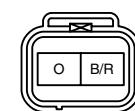
0140-19 VARIABLE INTAKE AIR SOLENOID VALVE(EM)



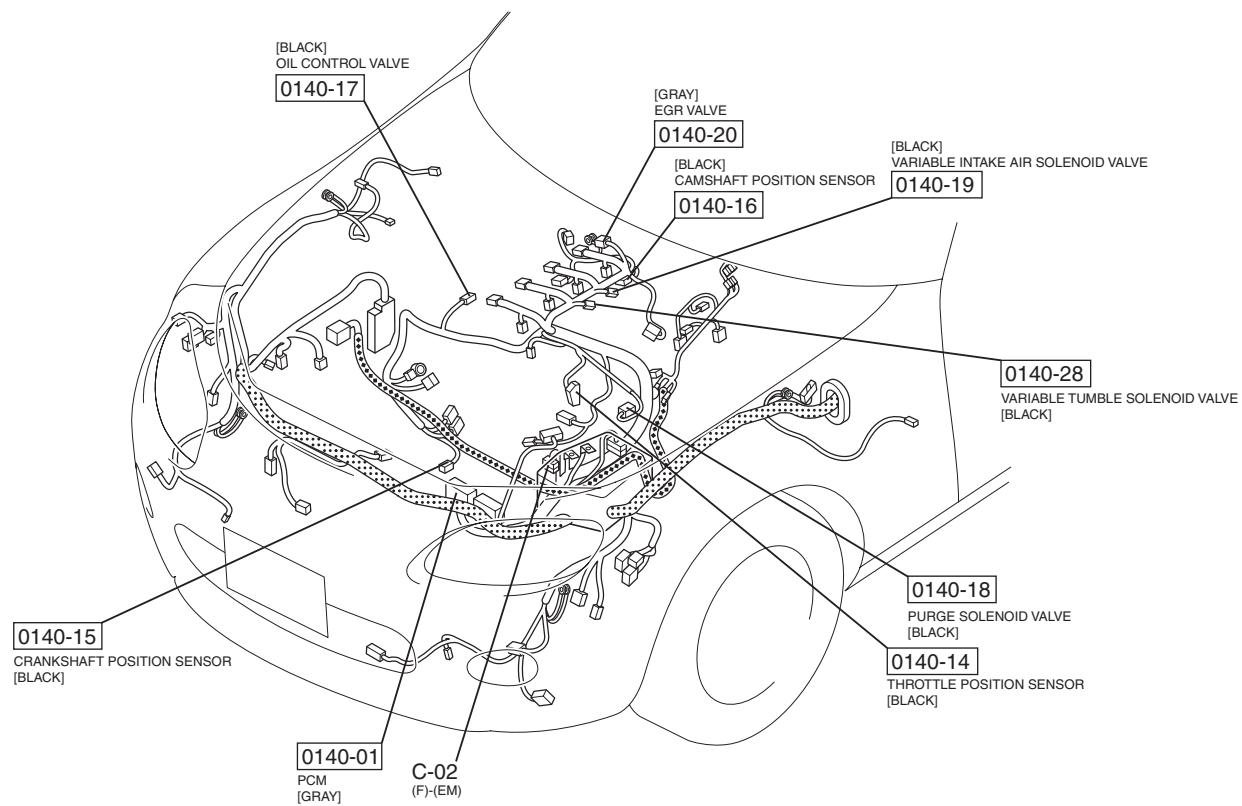
0140-20 EGR VALVE(EM)



0140-28 VARIABLE TUMBLE SOLENOID VALVE (EM)

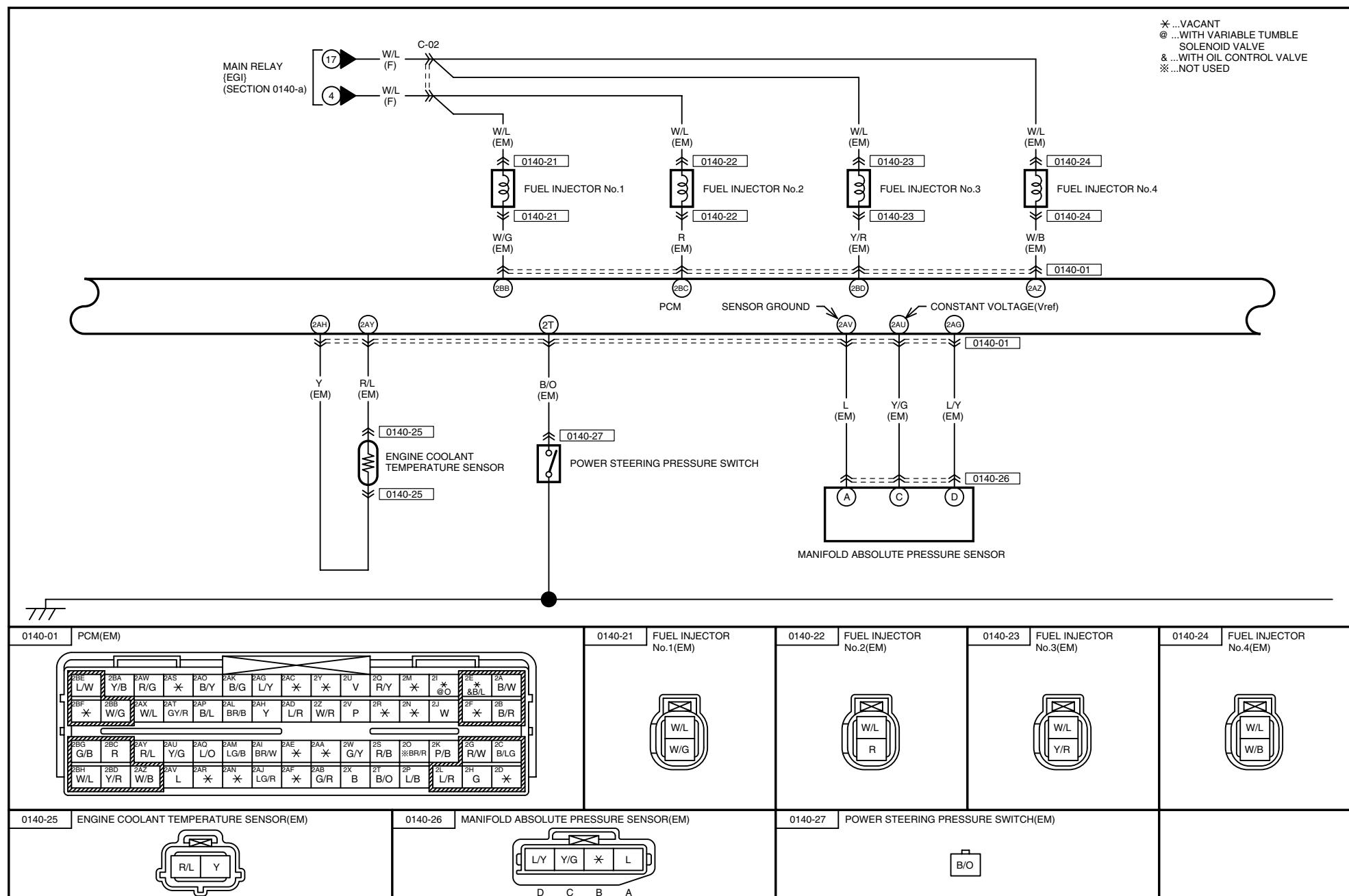


HARNESS SYMBOL: (F) (E) (R)



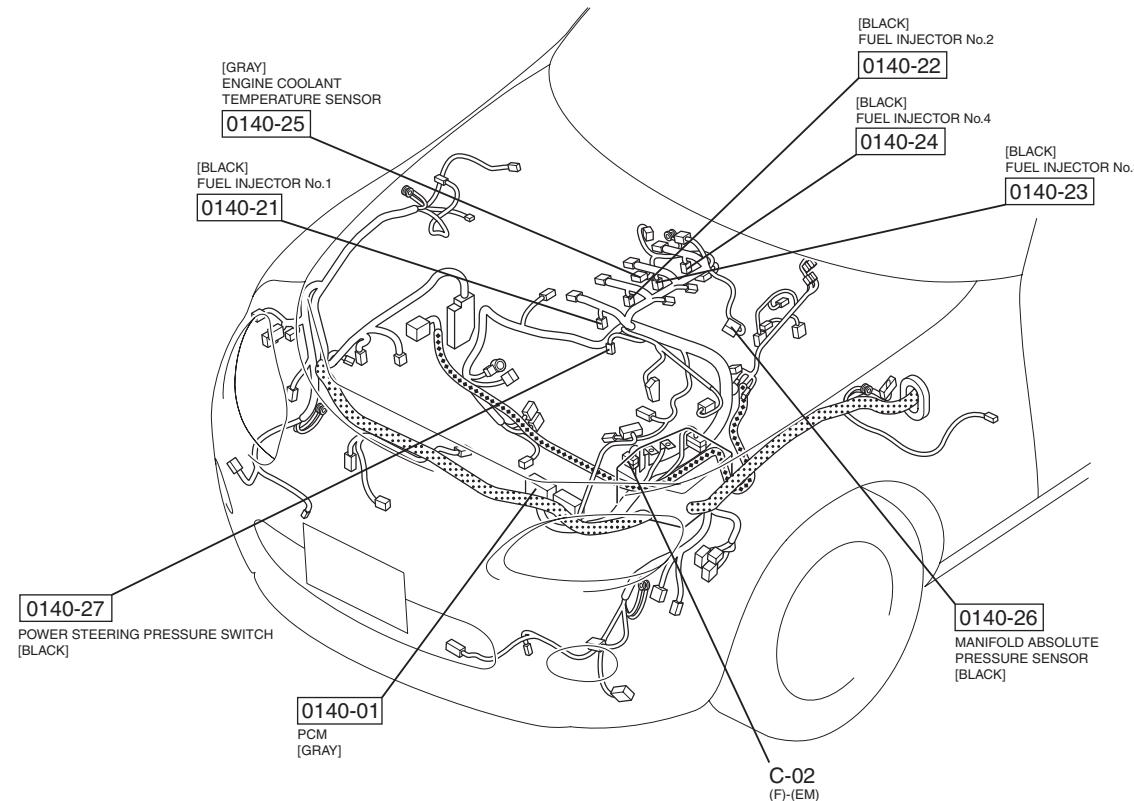
# CONTROL SYSTEM

0140-e

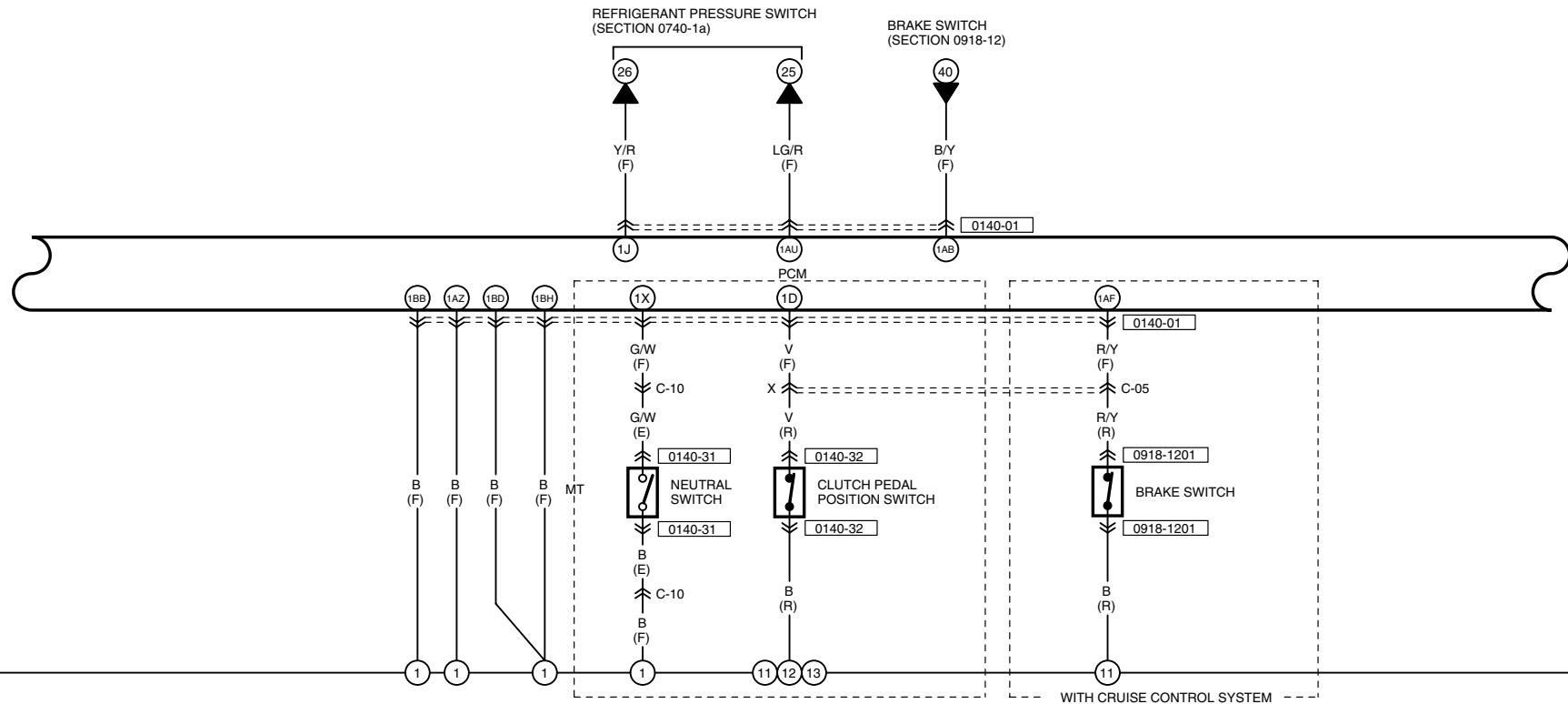


HARNESS SYMBOL: (F) (E) (R)

51



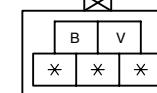
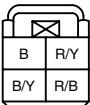
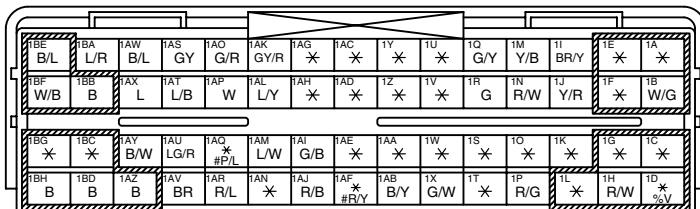
\*...VACANT  
%...MT  
#...WITH CRUISE CONTROL SYSTEM



0140-01 PCM(F)

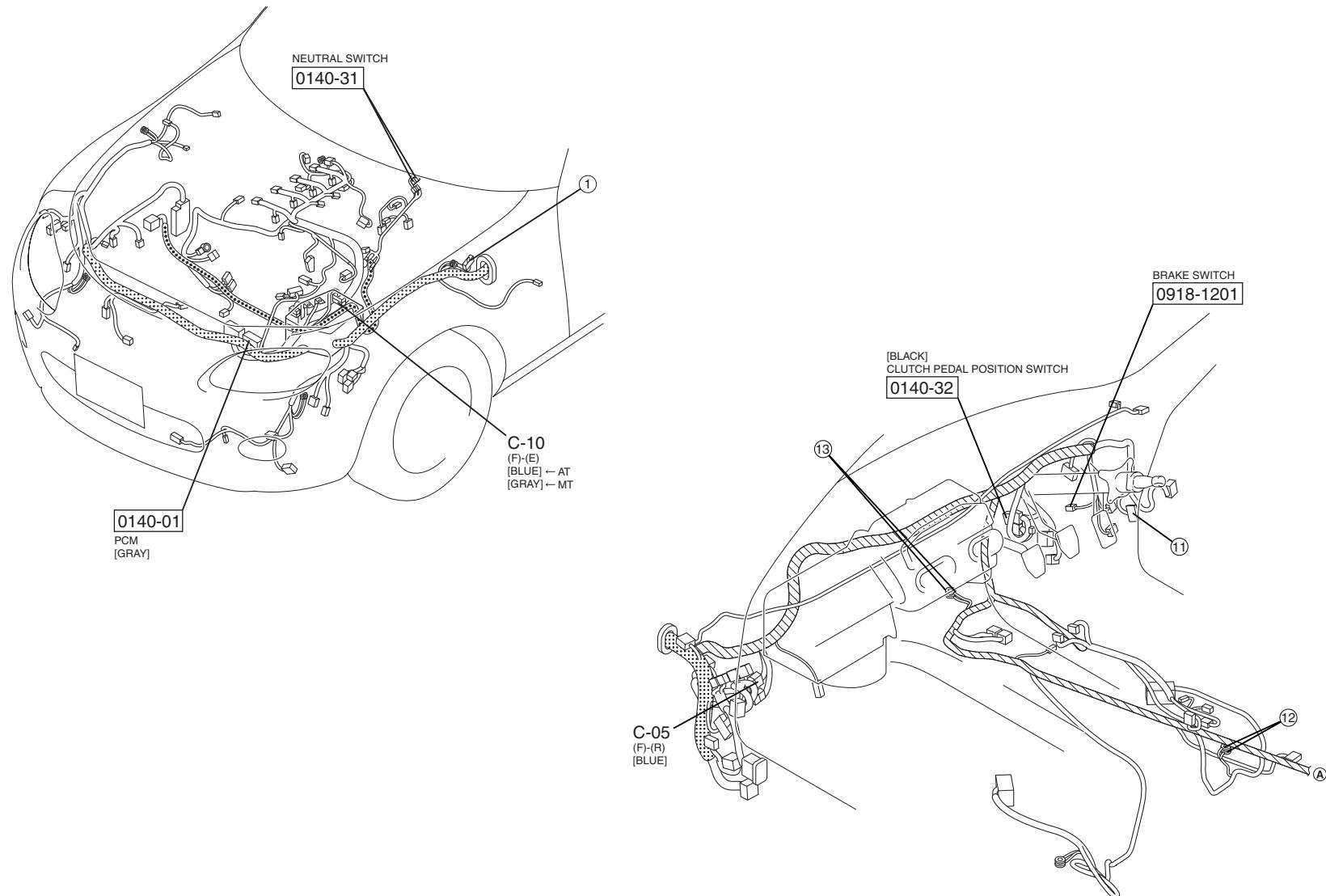
0140-31 NEUTRAL SWITCH(E)

0140-32 CLUTCH PEDAL POSITION SWITCH(R)

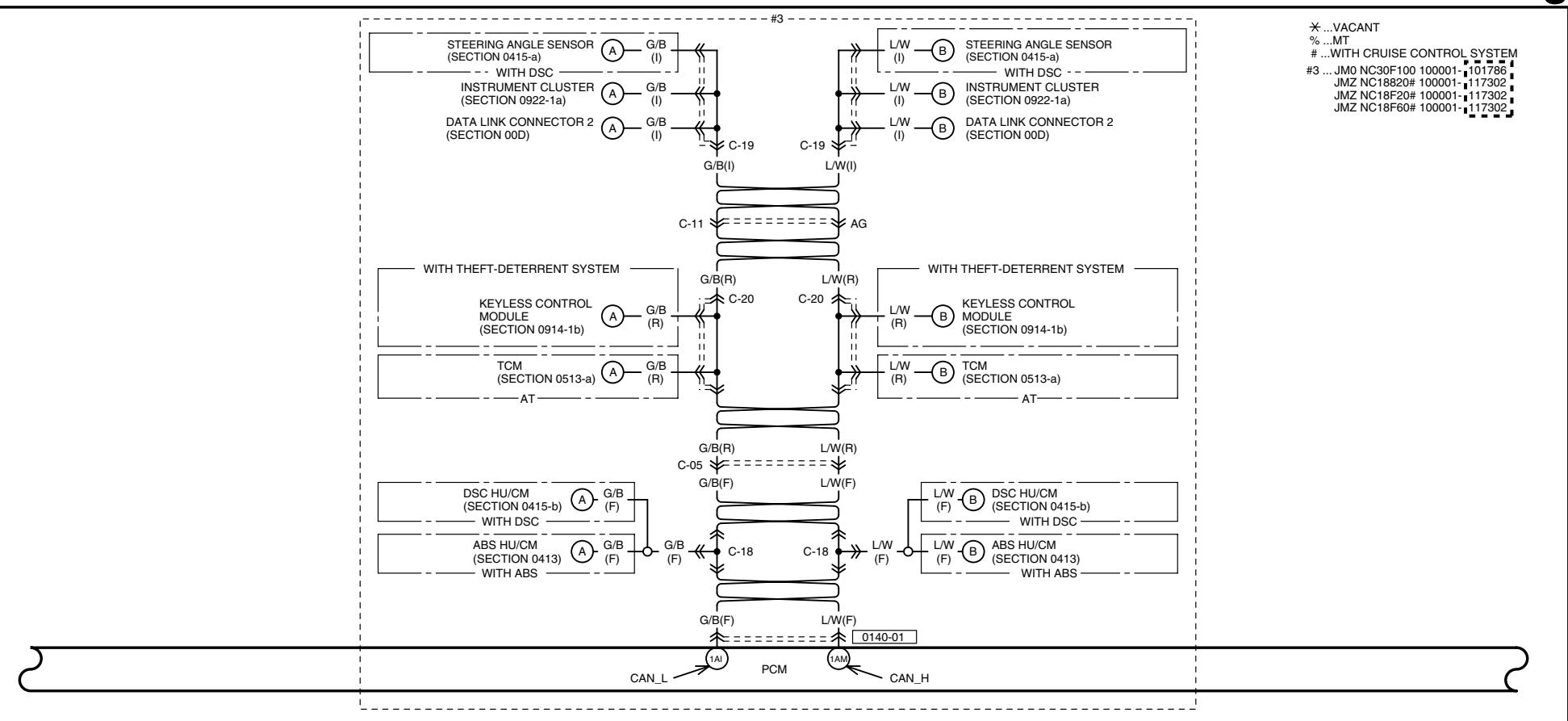


HARNESS SYMBOL: (F) (E) (R)

53

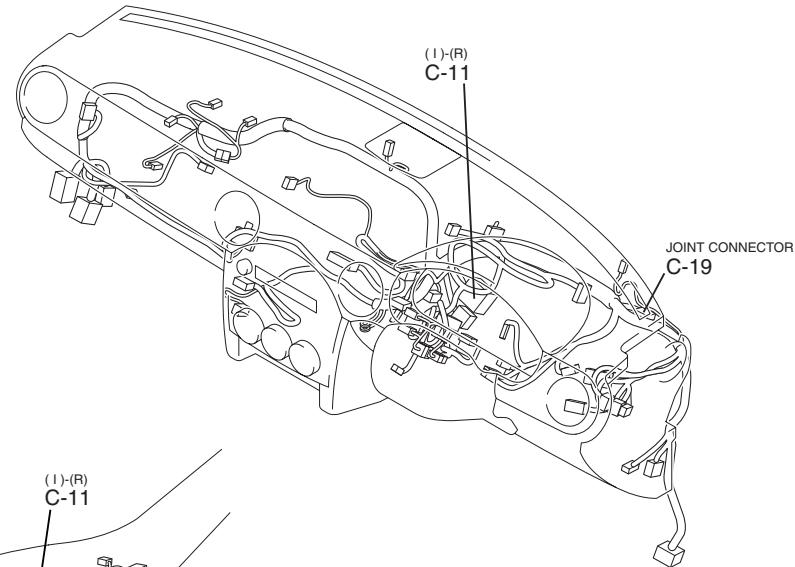
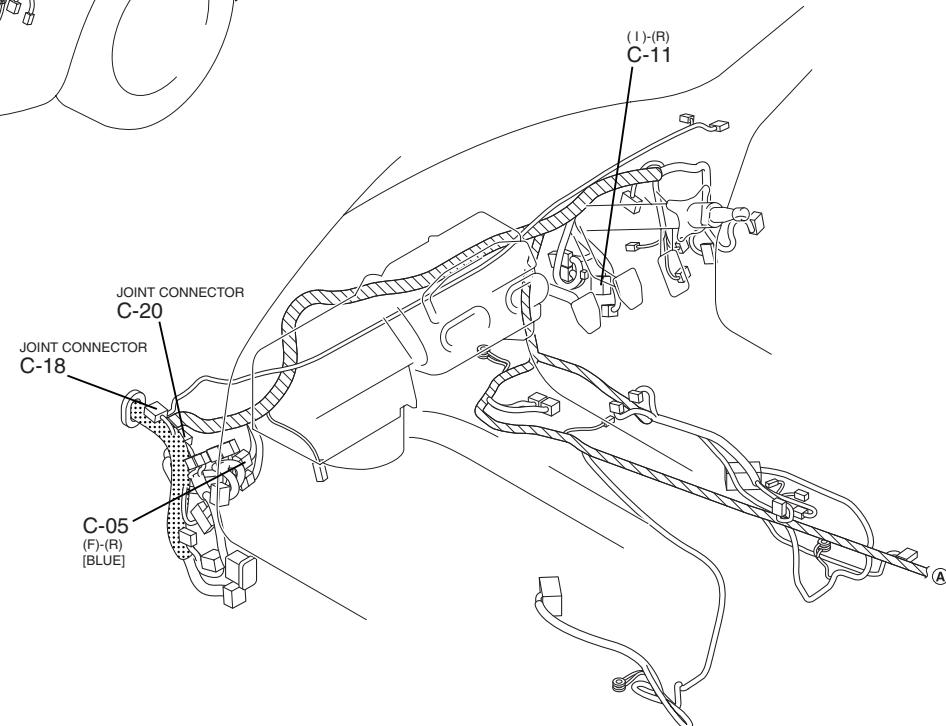
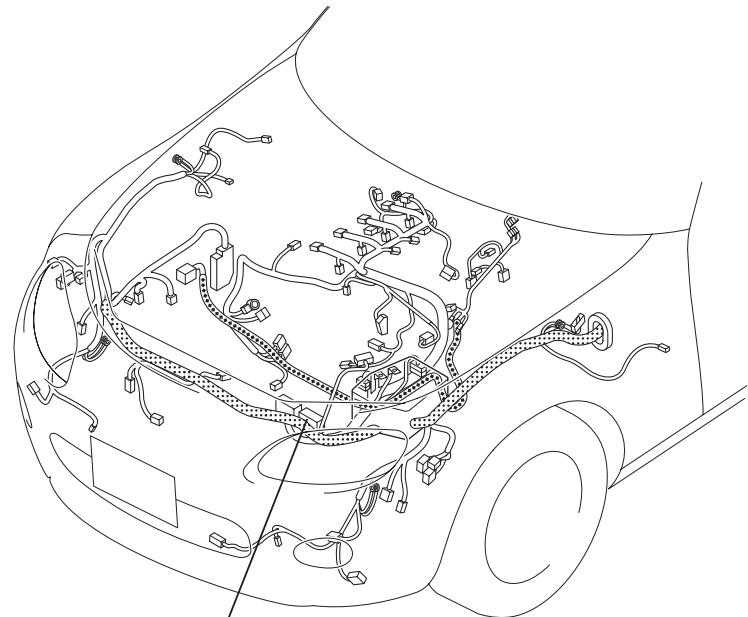


\* ...VACANT  
% ...MT  
# ...WITH CRUISE CONTROL SYSTEM  
#3 ... JM0 NC30F100 100001-101786  
JMZ NC18820# 100001-117302  
JMZ NC18F20# 100001-117302  
JMZ NC18F60# 100001-117302

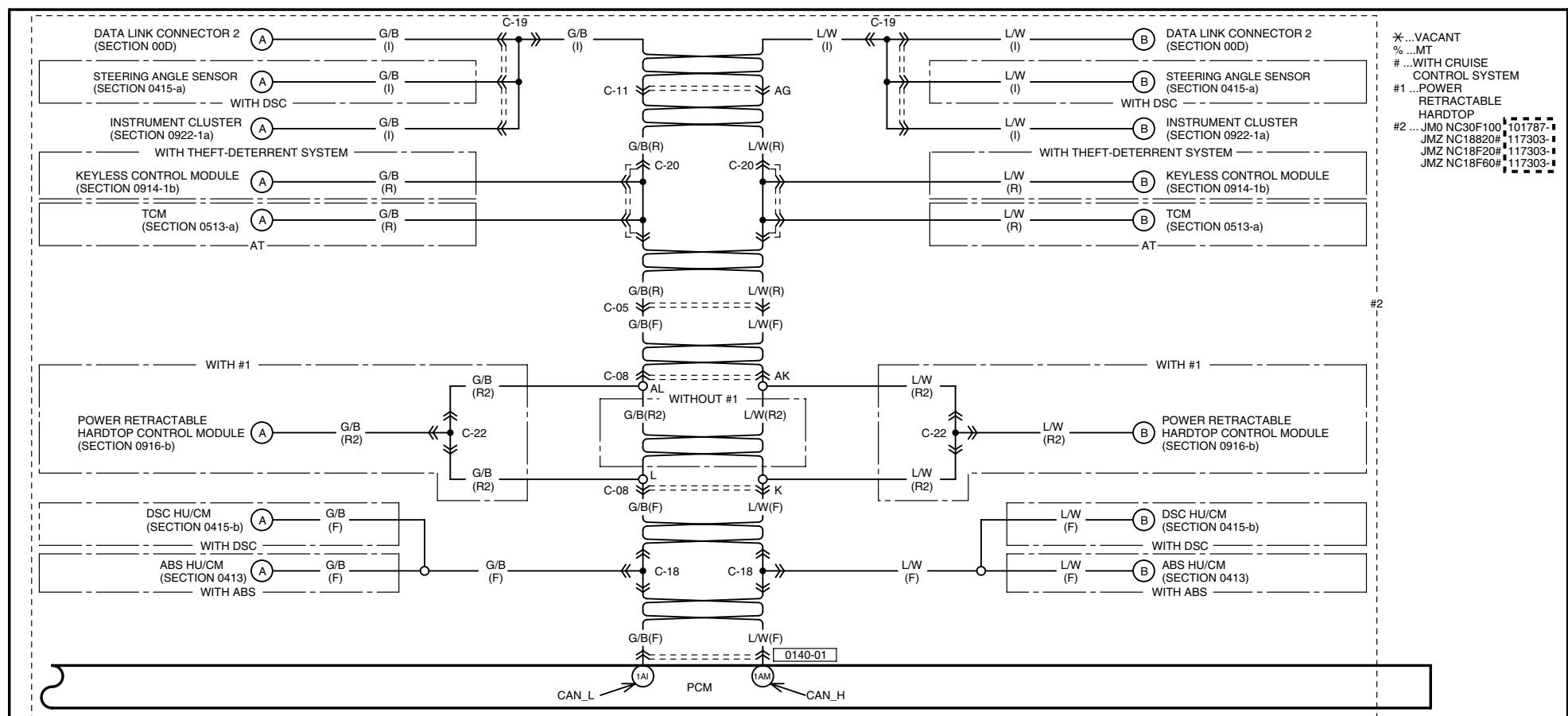


HARNESS SYMBOL: (F) (E) (R)

55



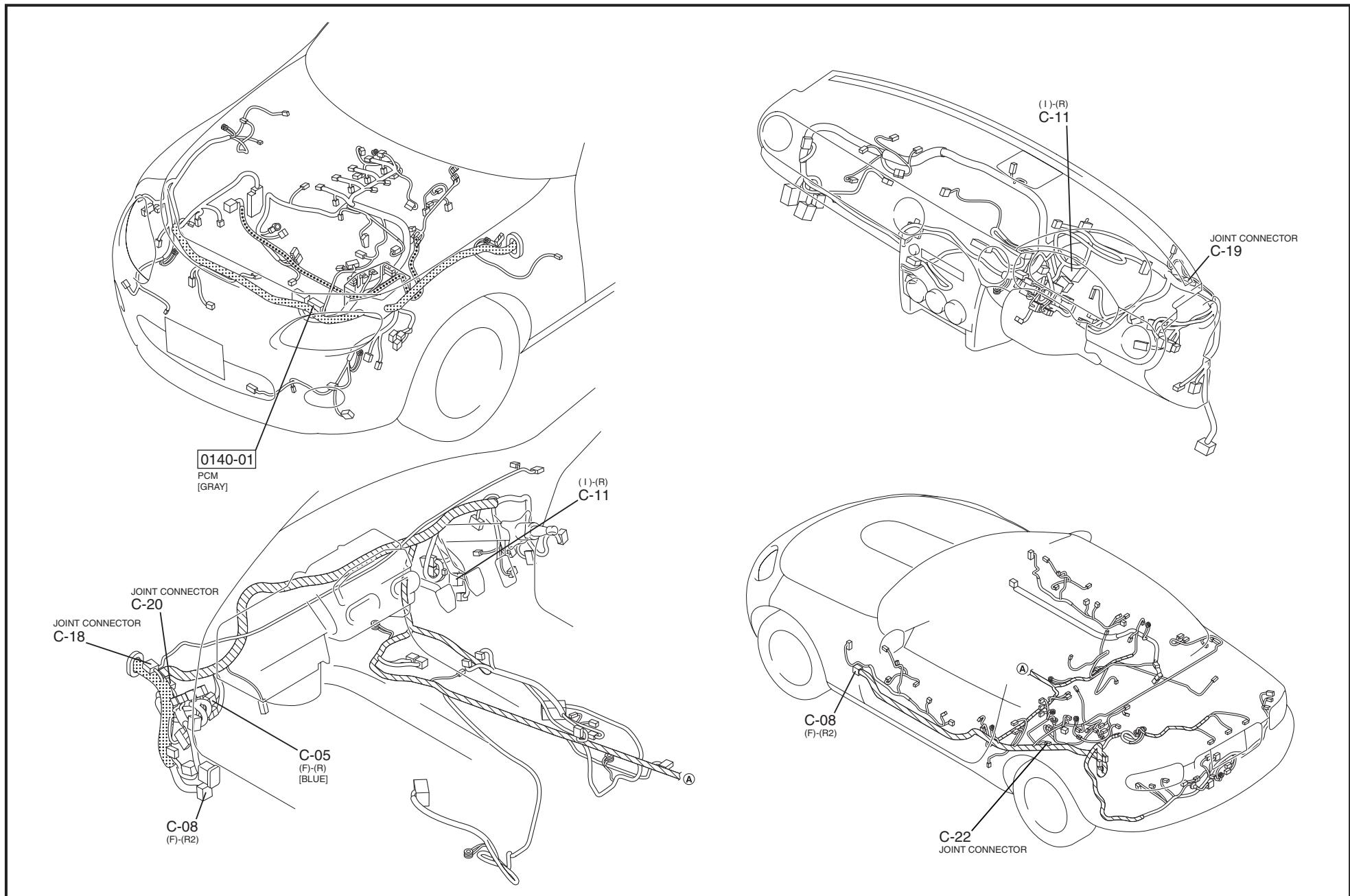
## CONTROL SYSTEM



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

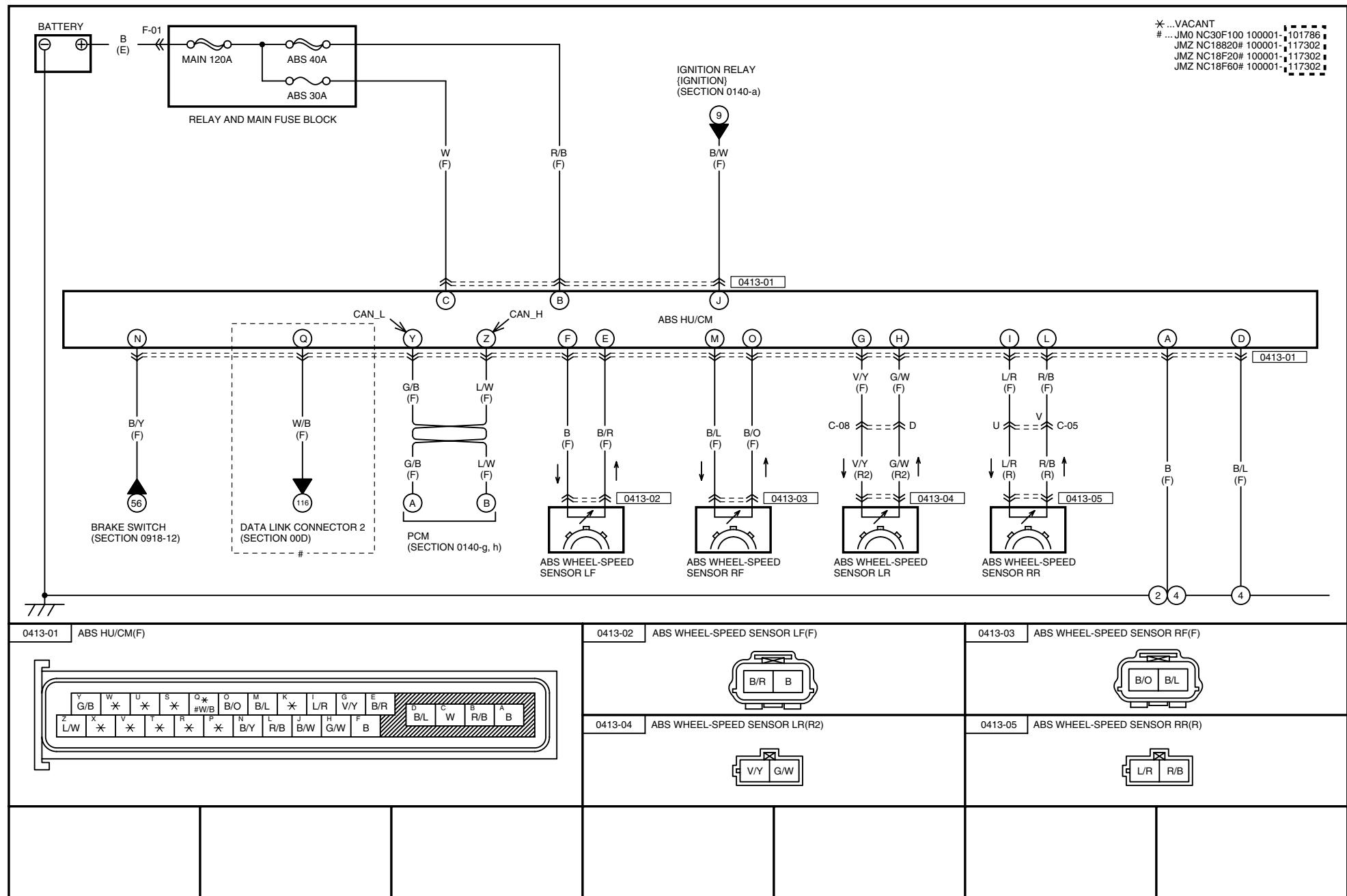
HARNESS SYMBOL: (F) (E) (R)

57



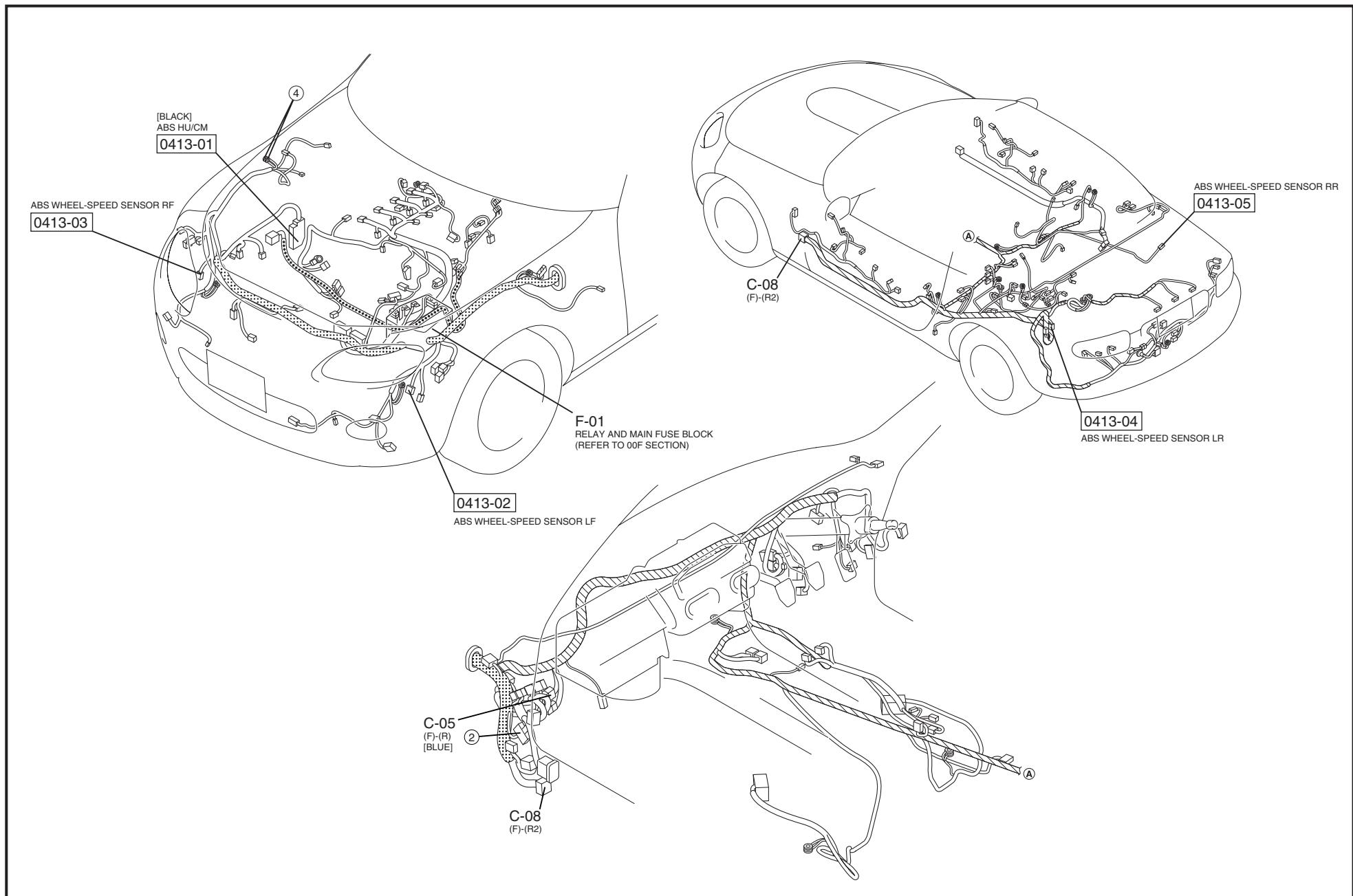
# ANTILOCK BRAKE SYSTEM

0413



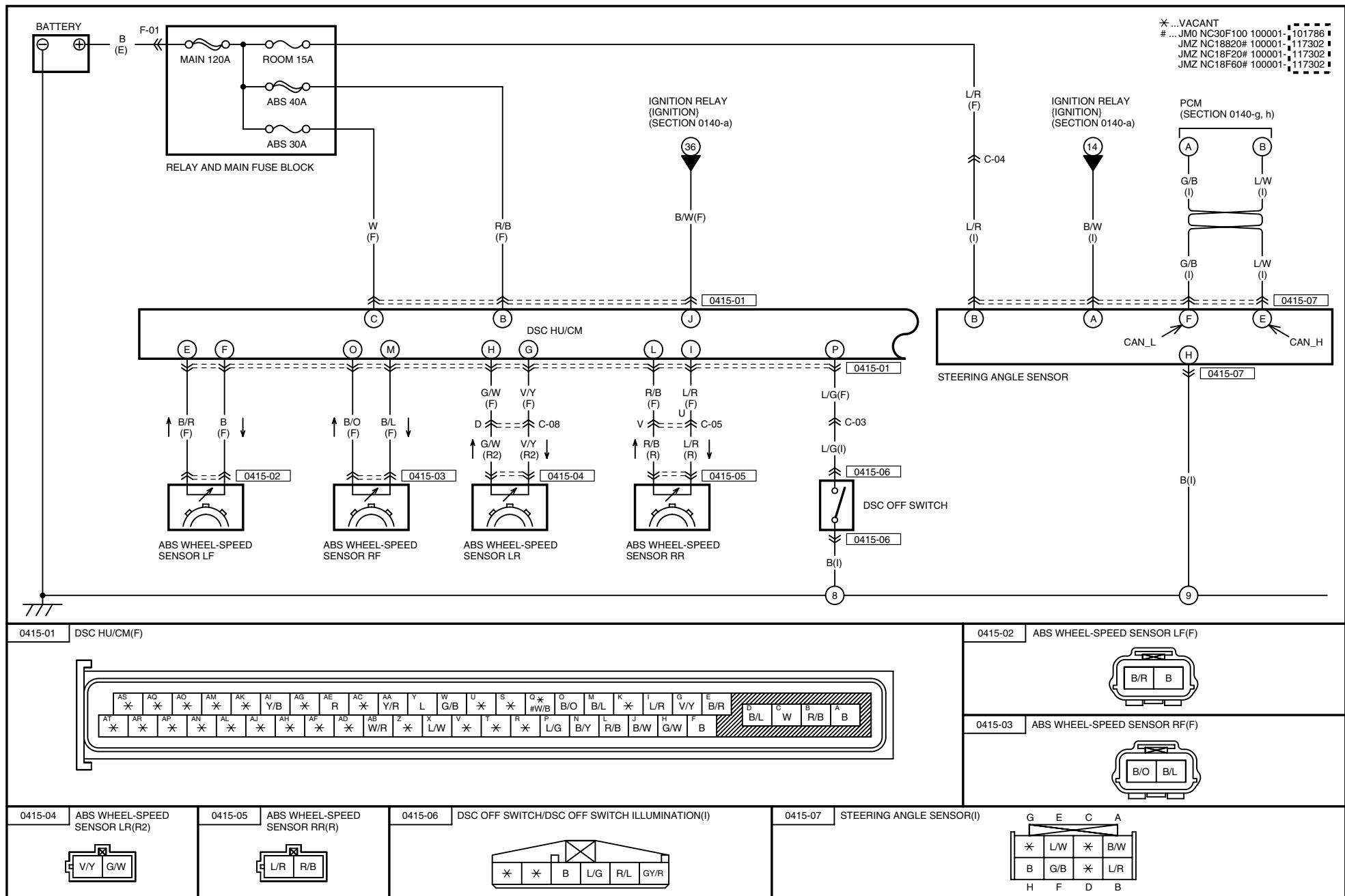
HARNESS SYMBOL: (F) (E) (R)

65



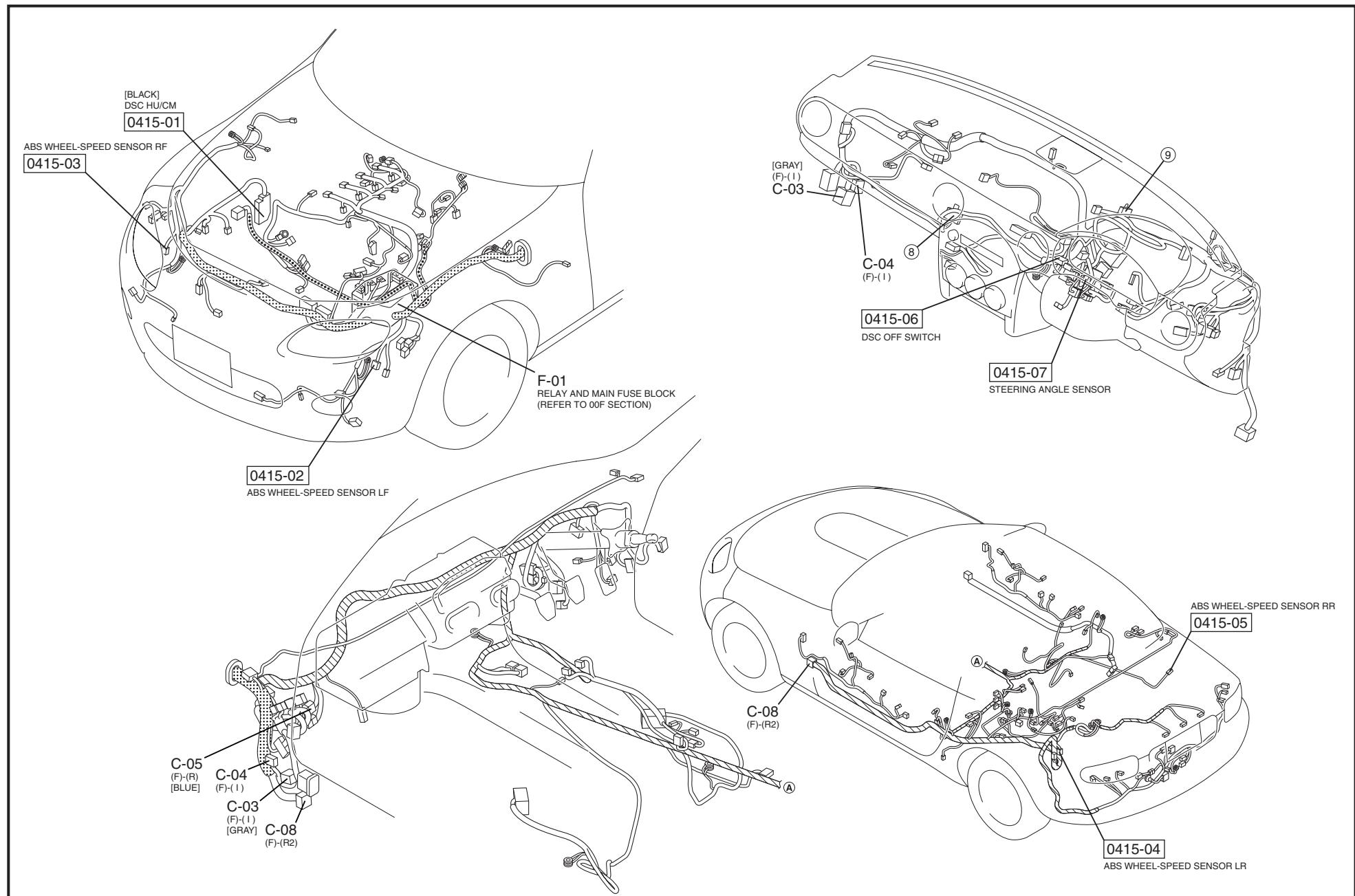
# DYNAMIC STABILITY CONTROL

0415-a



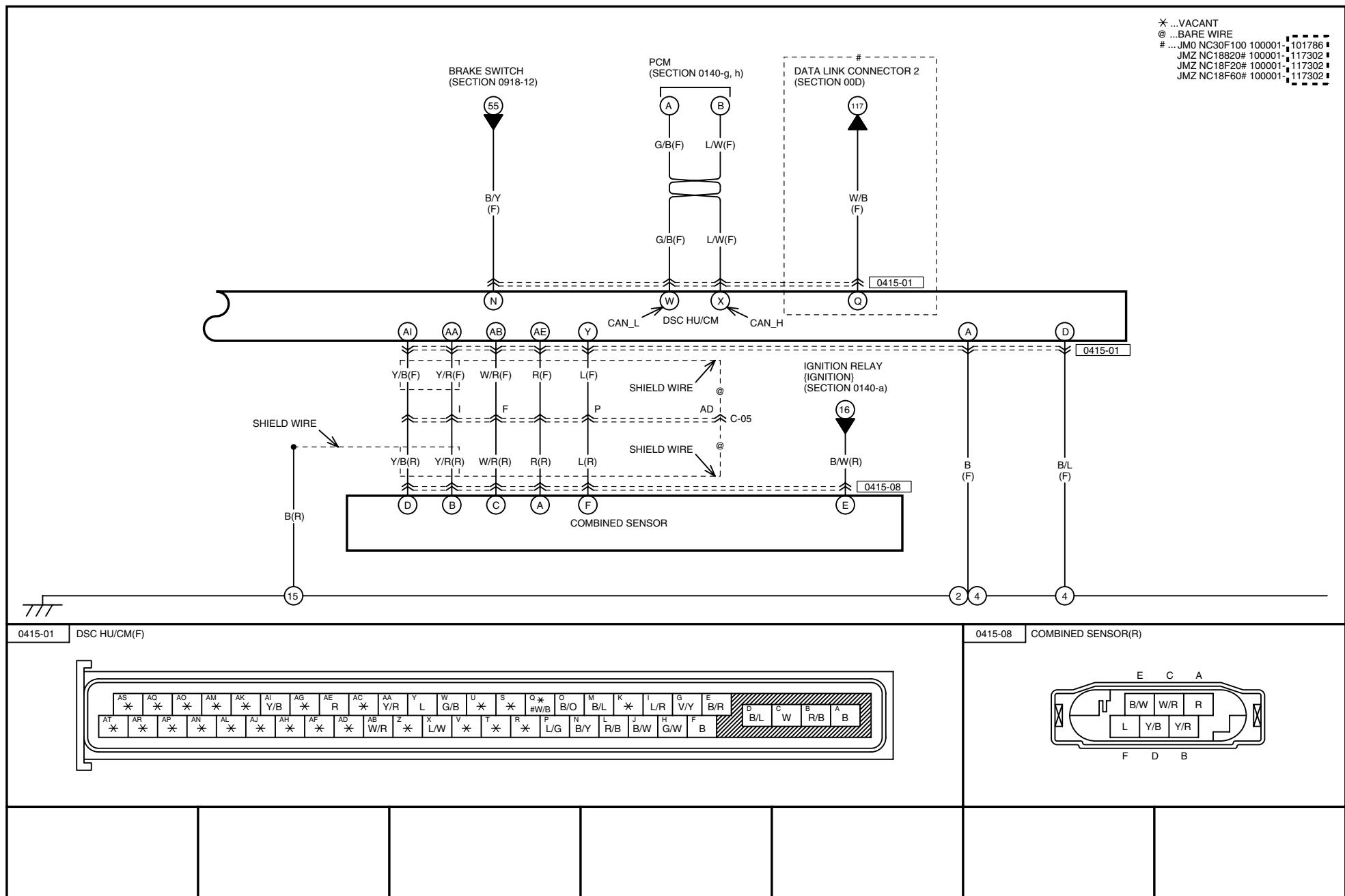
HARNESS SYMBOL: [Dotted] (F) [Diamond] (E) [Hatched] (R)

61

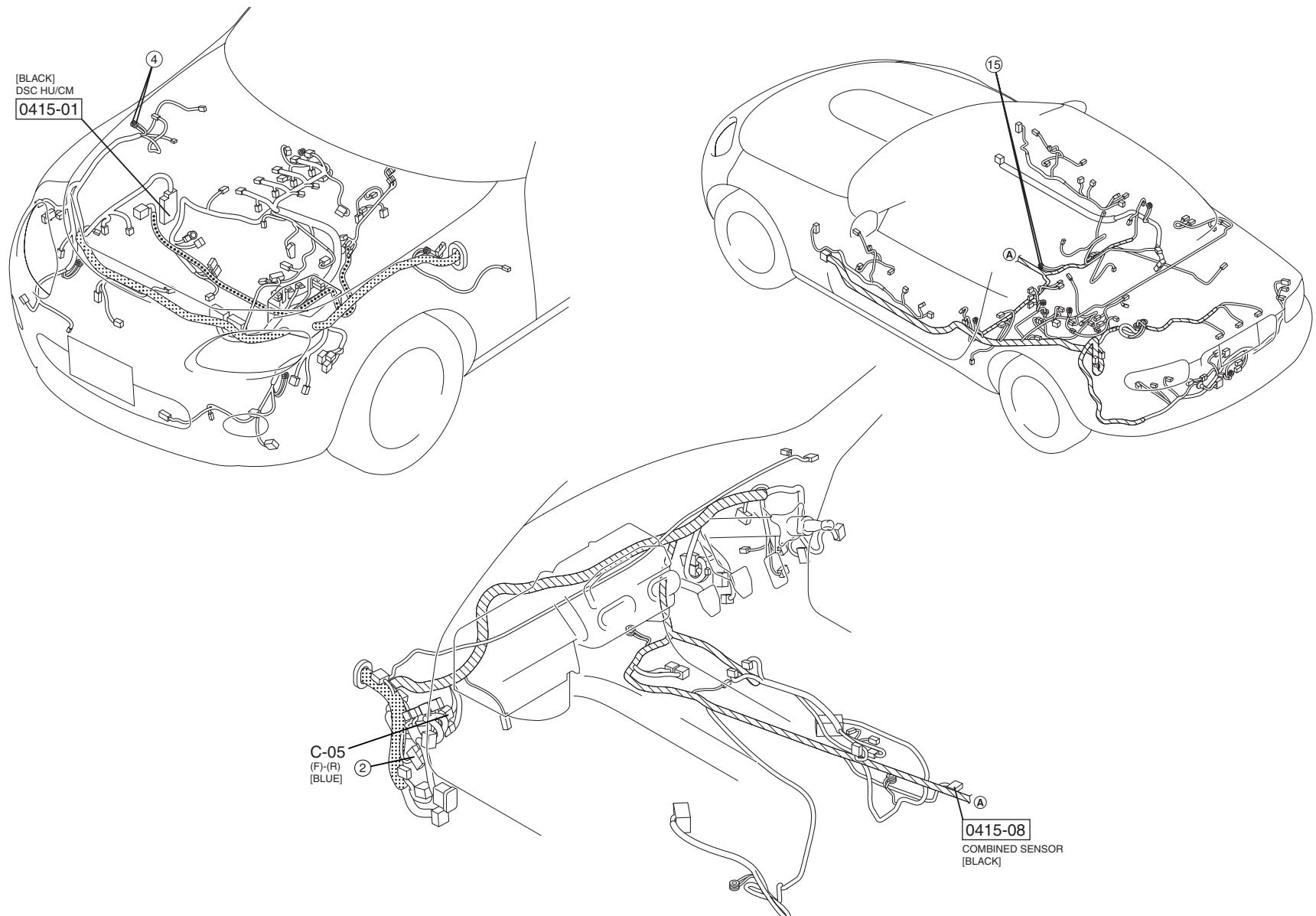


# DYNAMIC STABILITY CONTROL

0415-b



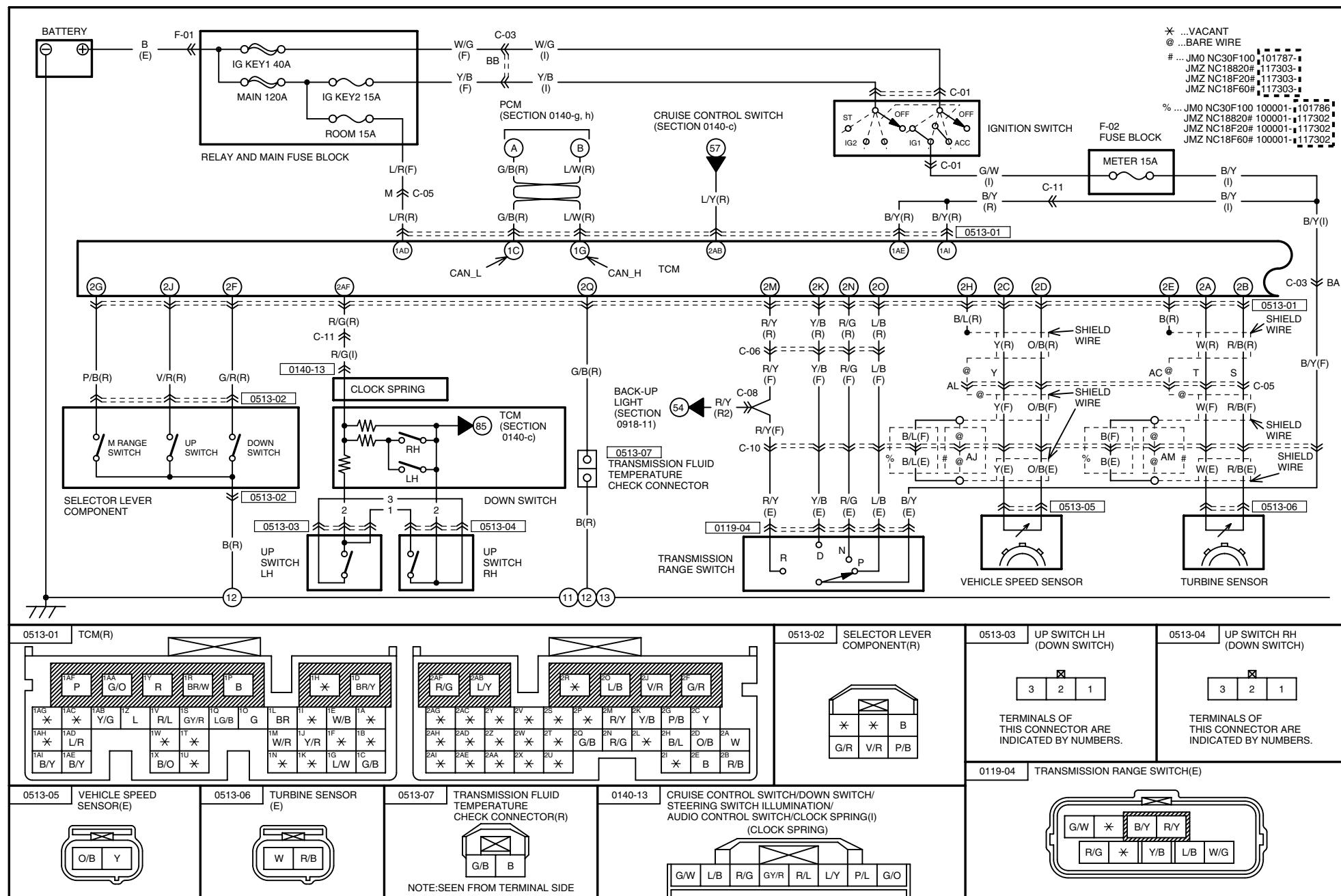
HARNESS SYMBOL: (F) (E) (R)



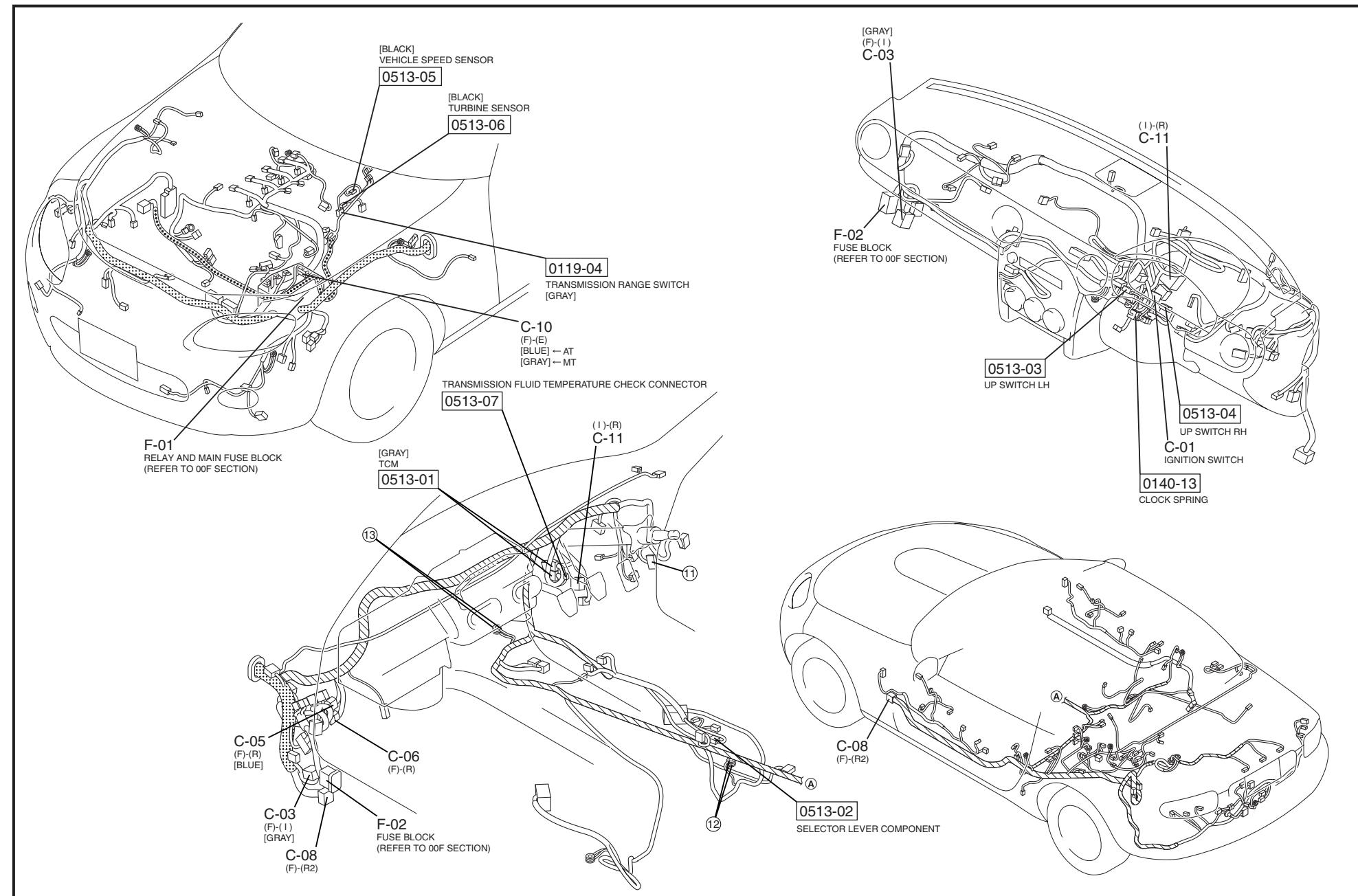
63

# AUTOMATIC TRANSMISSION CONTROL SYSTEM

0513-a



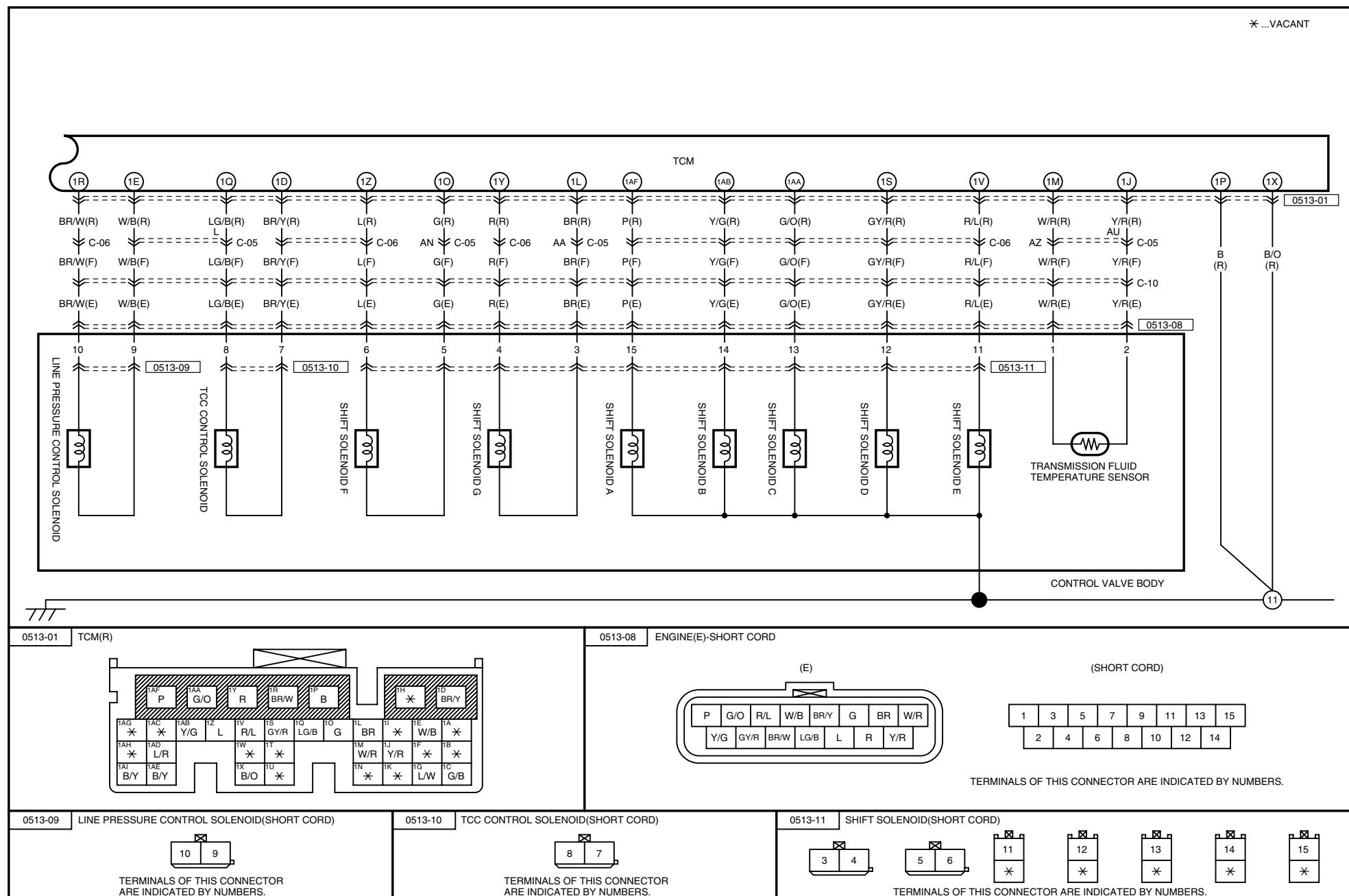
HARNESS SYMBOL: (F) (E) (R)



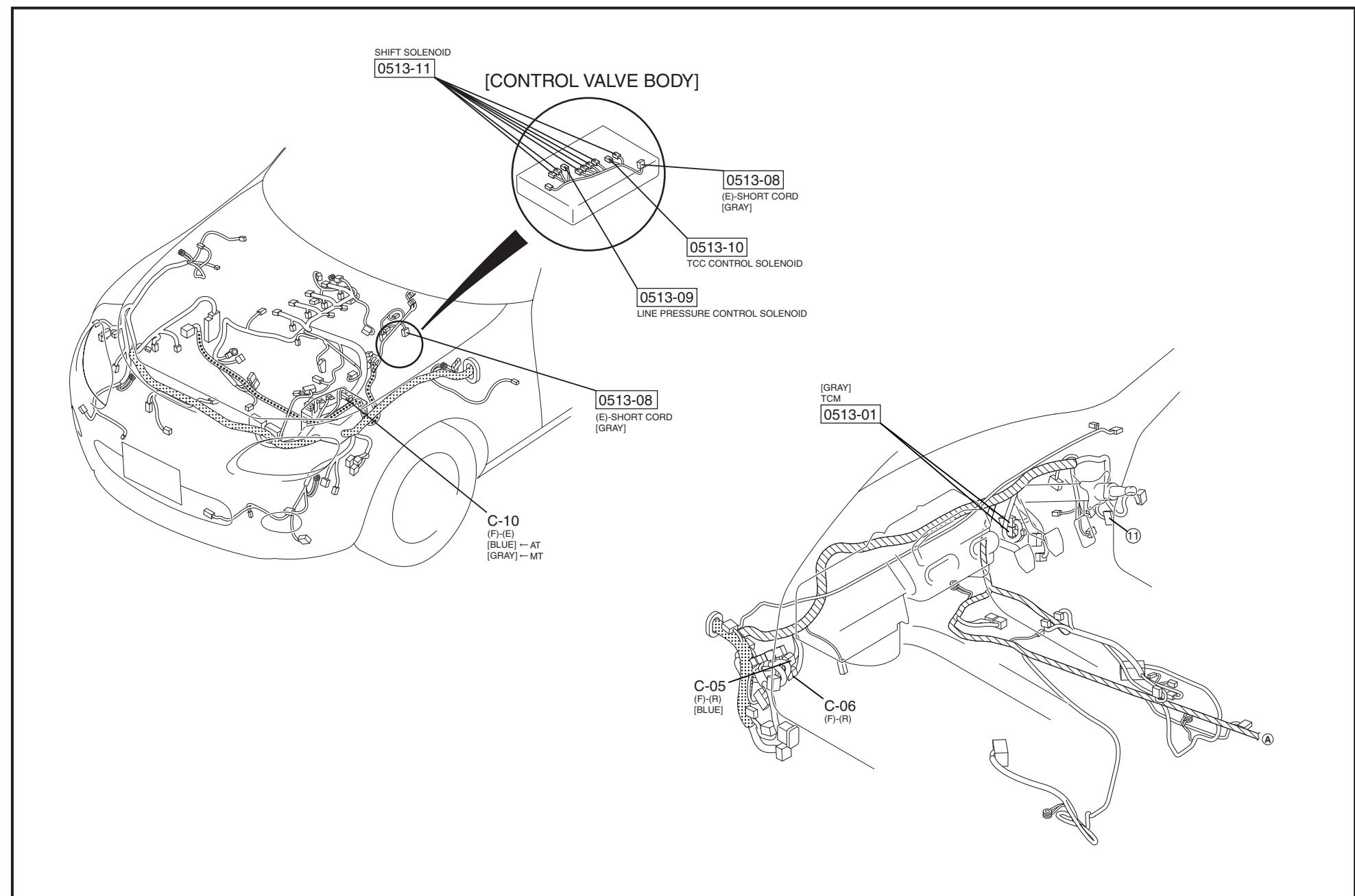
# AUTOMATIC TRANSMISSION CONTROL SYSTEM

0513-b

\* ...VACANT

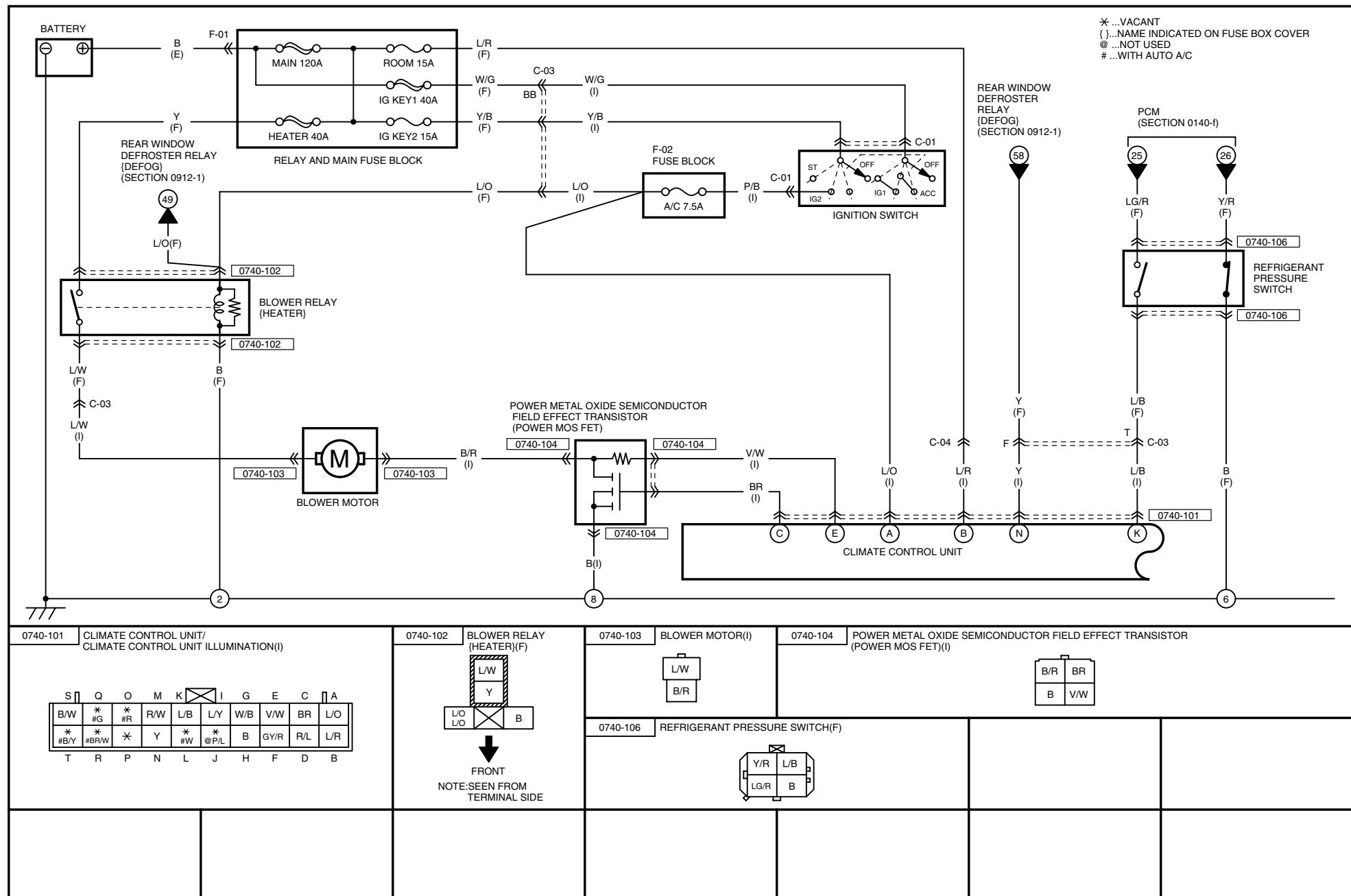


HARNESS SYMBOL: (F) (E) (R)



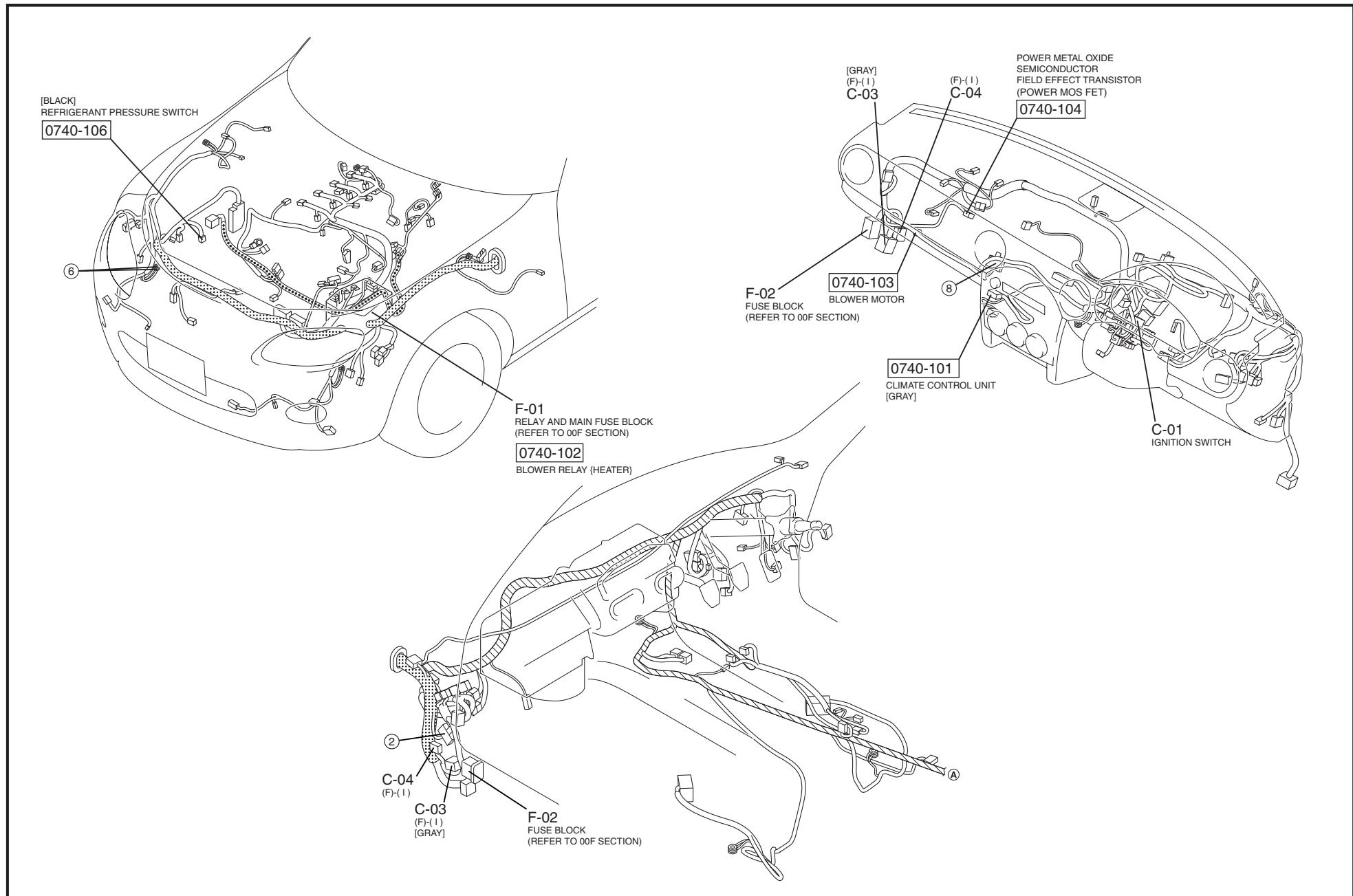
# HEATER AND AIR CONDITIONER

0740-1a

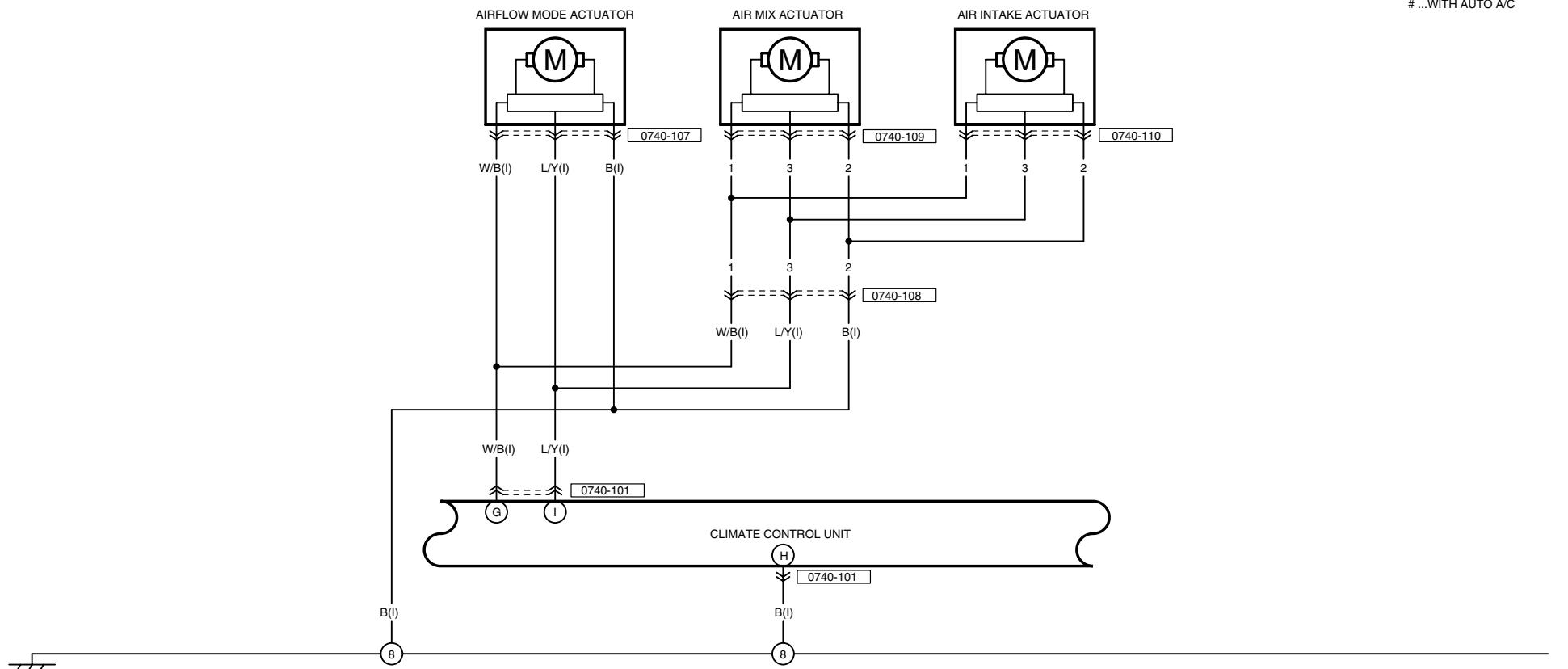


HARNESS SYMBOL: (F) (E) (R)

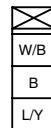
69



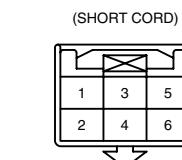
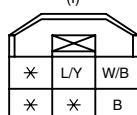
\*...VACANT  
@ ...NOT USED  
# ...WITH AUTO A/C

0740-101 CLIMATE CONTROL UNIT/  
CLIMATE CONTROL UNIT ILLUMINATION(I)

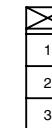
S	Q	O	M	K	I	G	E	C	A
B/W	*	*	R/W	L/B	L/Y	W/B	V/W	BR	L/O
*	*	*	Y	*	*	@P/L	B	GY/R	R/L
#B/Y	#B/R/W	*							
T	R	P	N	L	J	H	F	D	B

0740-107 AIRFLOW MODE  
ACTUATOR(I)

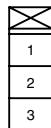
0740-108 INSTRUMENT PANEL(I)-SHORT CORD



TERMINALS OF THIS CONNECTOR  
ARE INDICATED BY NUMBERS.

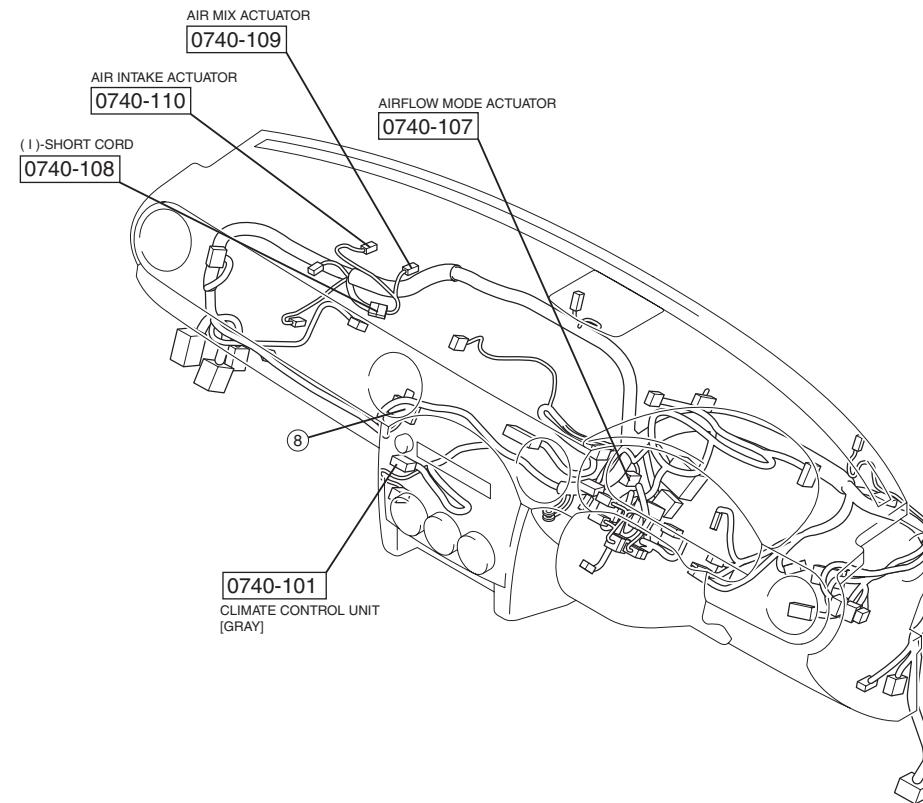
0740-109 AIR MIX ACTUATOR  
(SHORT CORD)

TERMINALS OF  
THIS CONNECTOR ARE  
INDICATED BY NUMBERS.

0740-110 AIR INTAKE  
ACTUATOR  
(SHORT CORD)

TERMINALS OF  
THIS CONNECTOR ARE  
INDICATED BY NUMBERS.

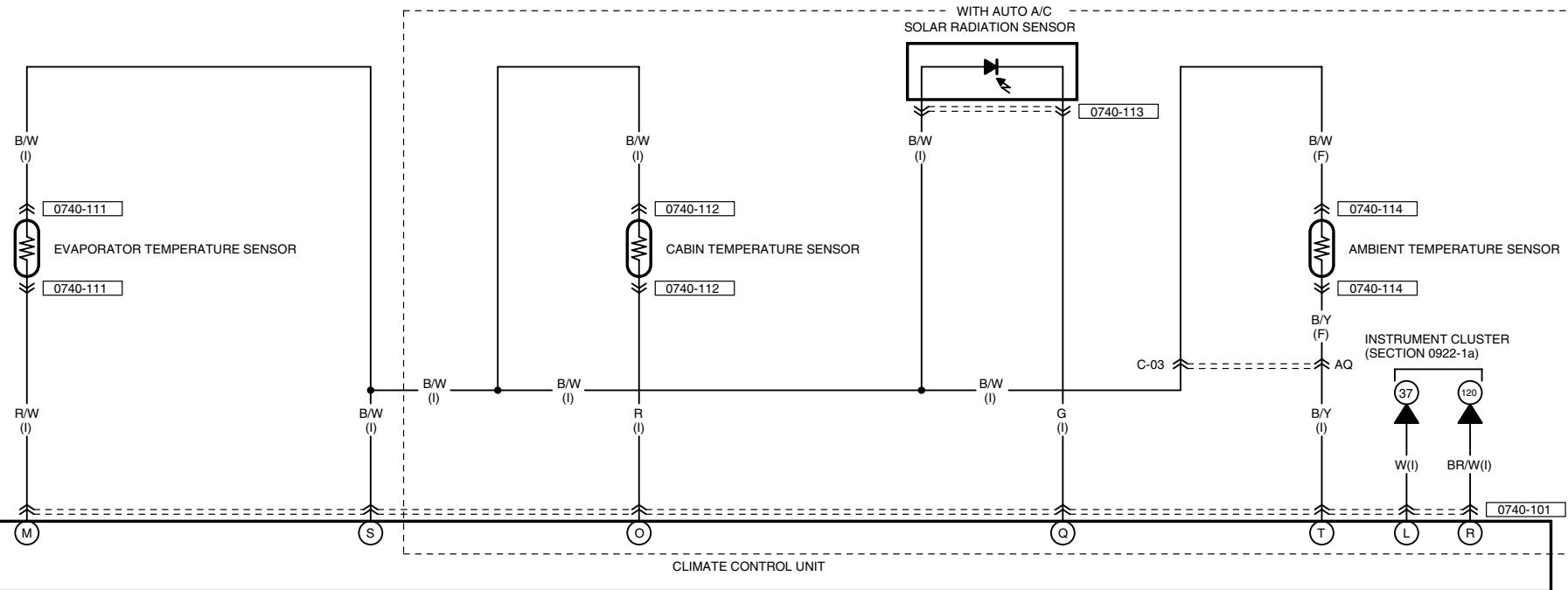
HARNESS SYMBOL: (F) (E) (R)



# HEATER AND AIR CONDITIONER

0740-1c

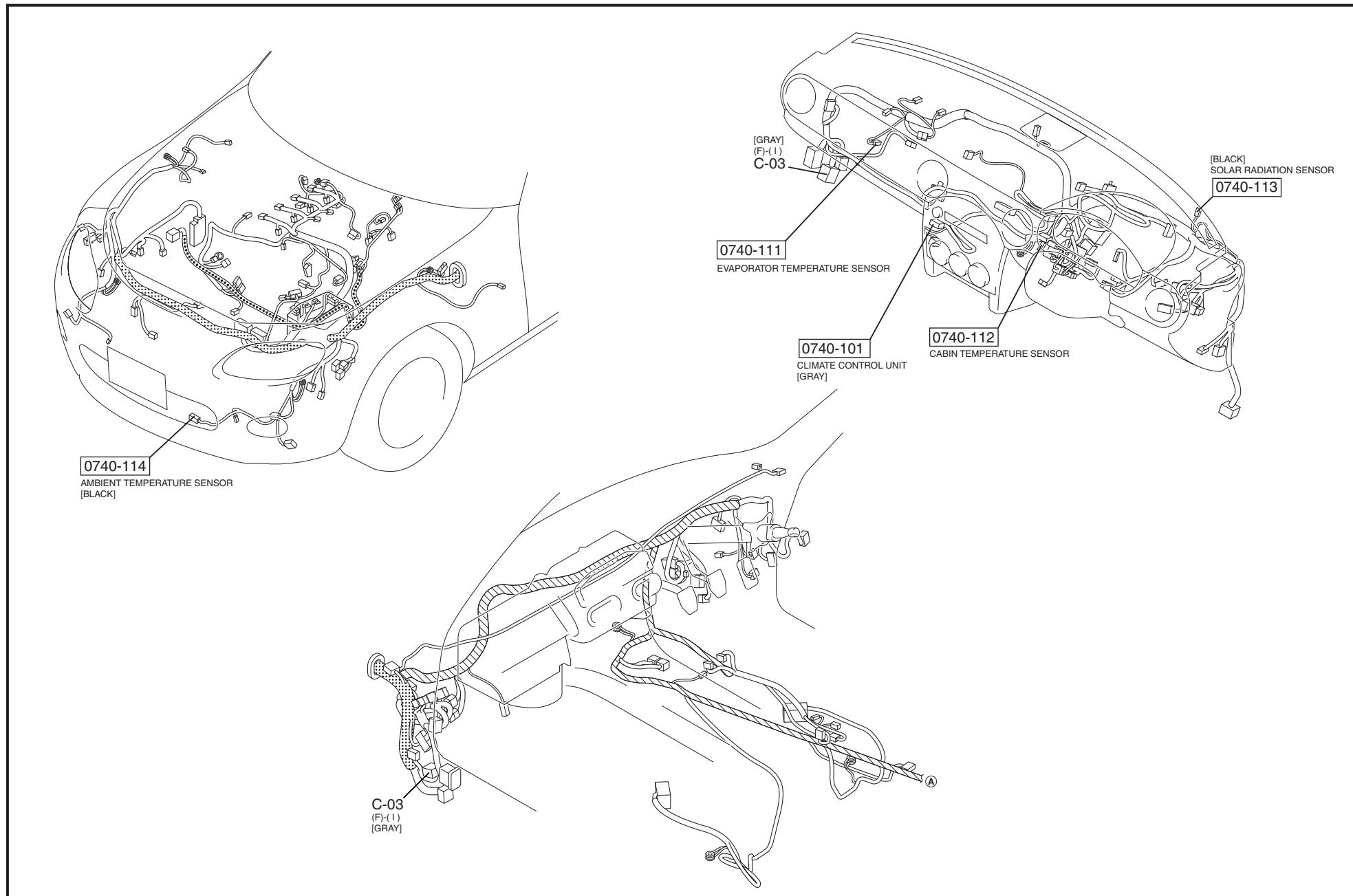
\*...VACANT  
# ...WITH AUTO A/C  
@ ...NOT USED



72

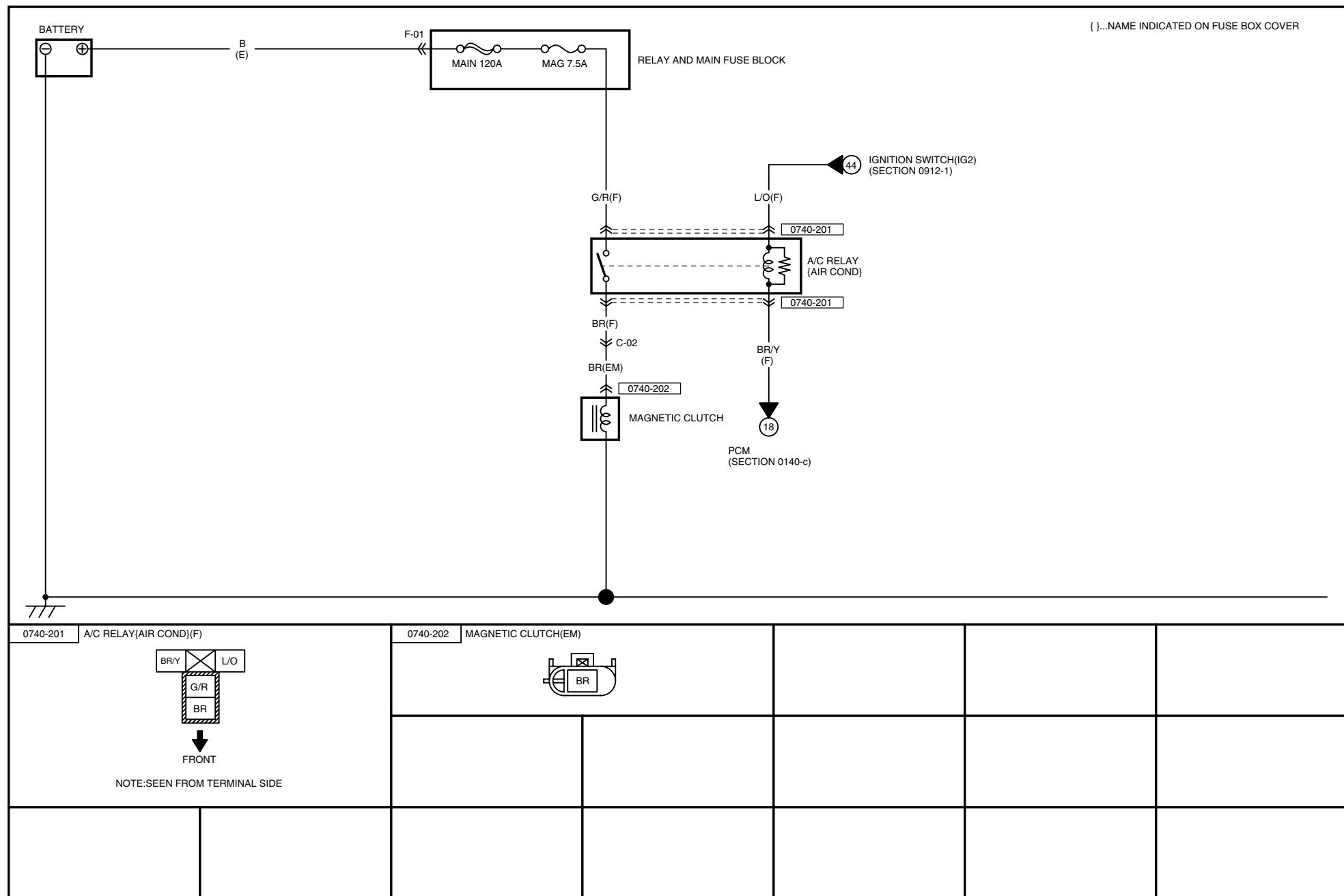
0740-101 CLIMATE CONTROL UNIT/ CLIMATE CONTROL UNIT ILLUMINATION()	0740-111 EVAPORATOR TEMPERATURE SENSOR(I)	0740-112 CABIN TEMPERATURE SENSOR(I)																																									
<table border="1"> <thead> <tr> <th>S</th><th>Q</th><th>O</th><th>M</th><th>K</th><th>I</th><th>G</th><th>E</th><th>C</th><th>A</th> </tr> </thead> <tbody> <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>* #B/R/W</td><td>*</td><td>Y</td><td>* #W</td><td>* @P/L</td><td>B</td><td>G/Y/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> </tbody> </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	* #B/R/W	*	Y	* #W	* @P/L	B	G/Y/R	R/L	L/R	T	R	P	N	L	J	H	F	D	B	 R/W B/W	 R B/W	
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	* #B/R/W	*	Y	* #W	* @P/L	B	G/Y/R	R/L	L/R																																		
T	R	P	N	L	J	H	F	D	B																																		
	0740-113 SOLAR RADIATION SENSOR()	0740-114 AMBIENT TEMPERATURE SENSOR(F)																																									
	 G B/W	 B/Y B/W																																									

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



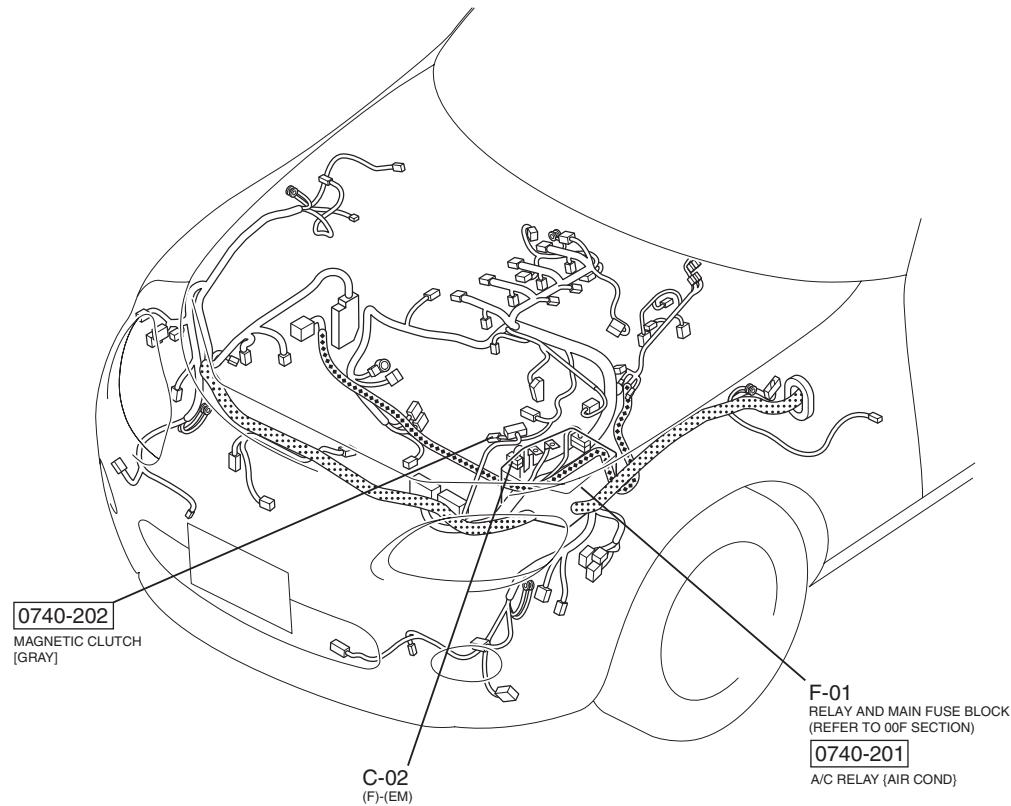
# MAGNETIC CLUTCH CONTROL SYSTEM

0740-2



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

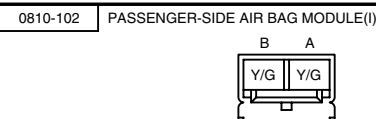
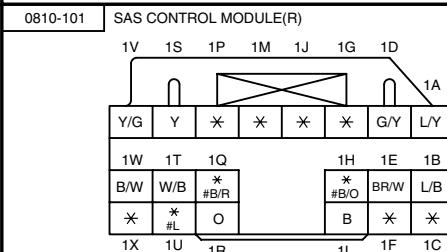
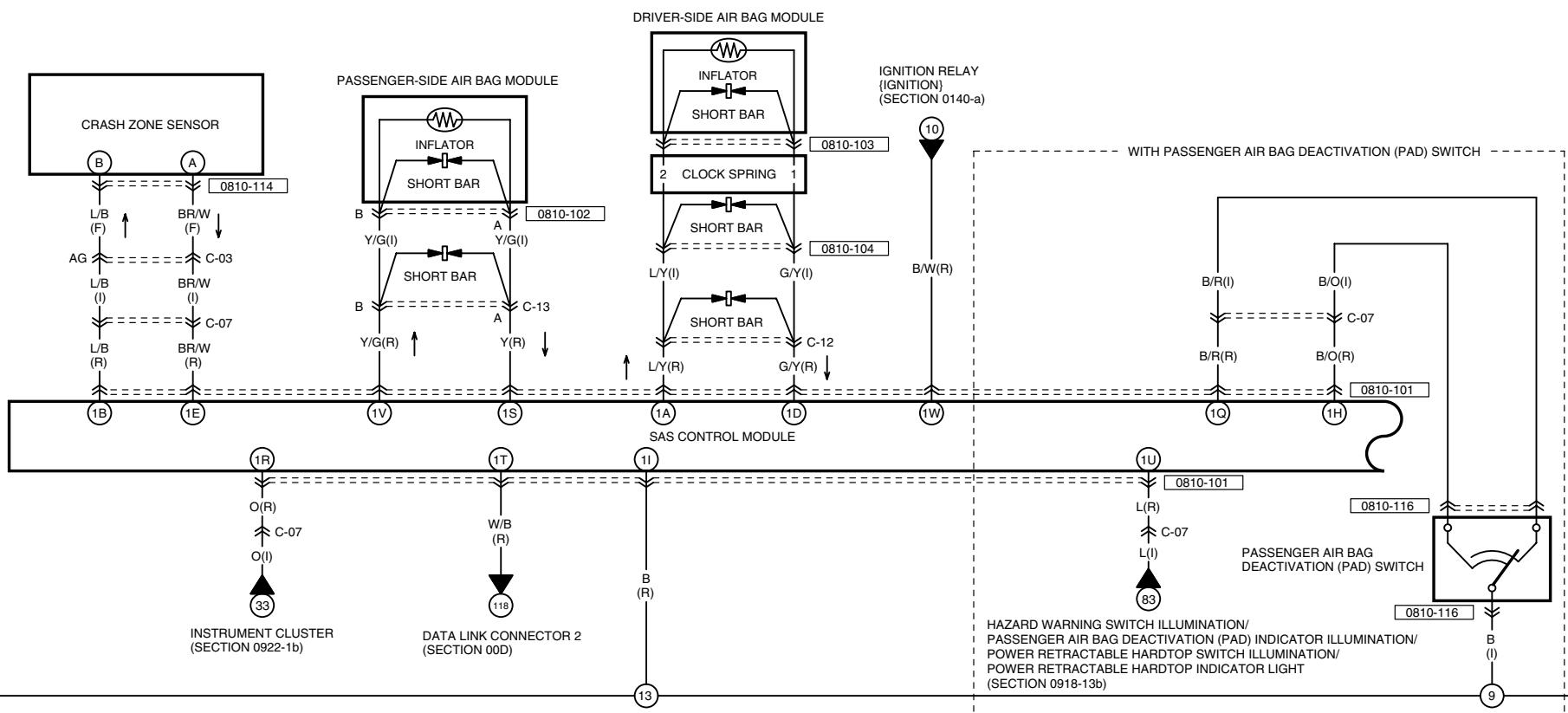
75



# AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

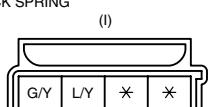
0810-1a

\* ...VACANT  
# ...WITH PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH



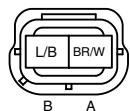
0810-103 DRIVER-SIDE AIR BAG MODULE(CLOCK SPRING)

TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

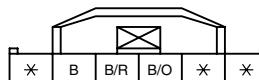


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

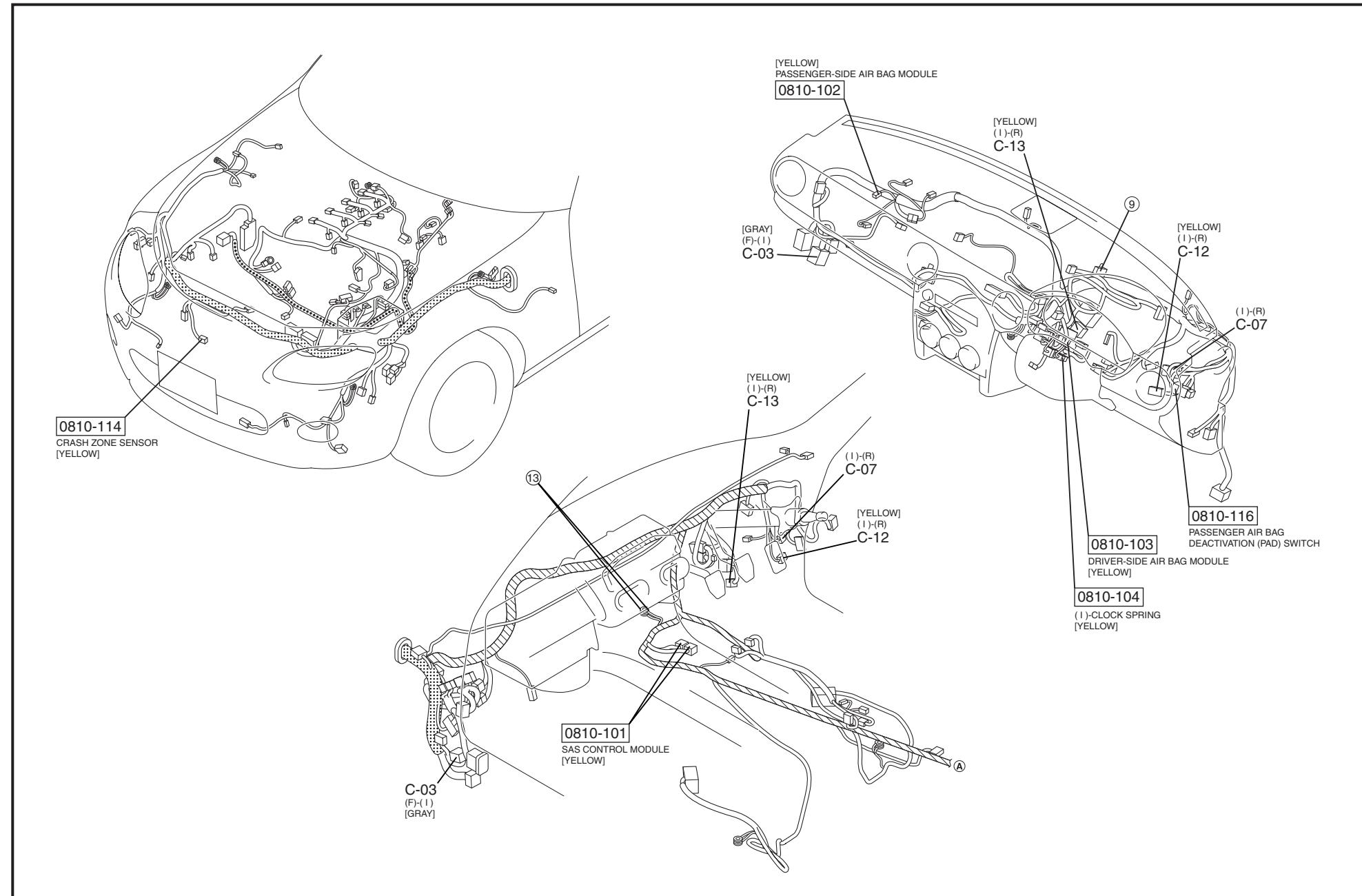
0810-114 CRASH ZONE SENSOR(F)



0810-116 PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH(I)

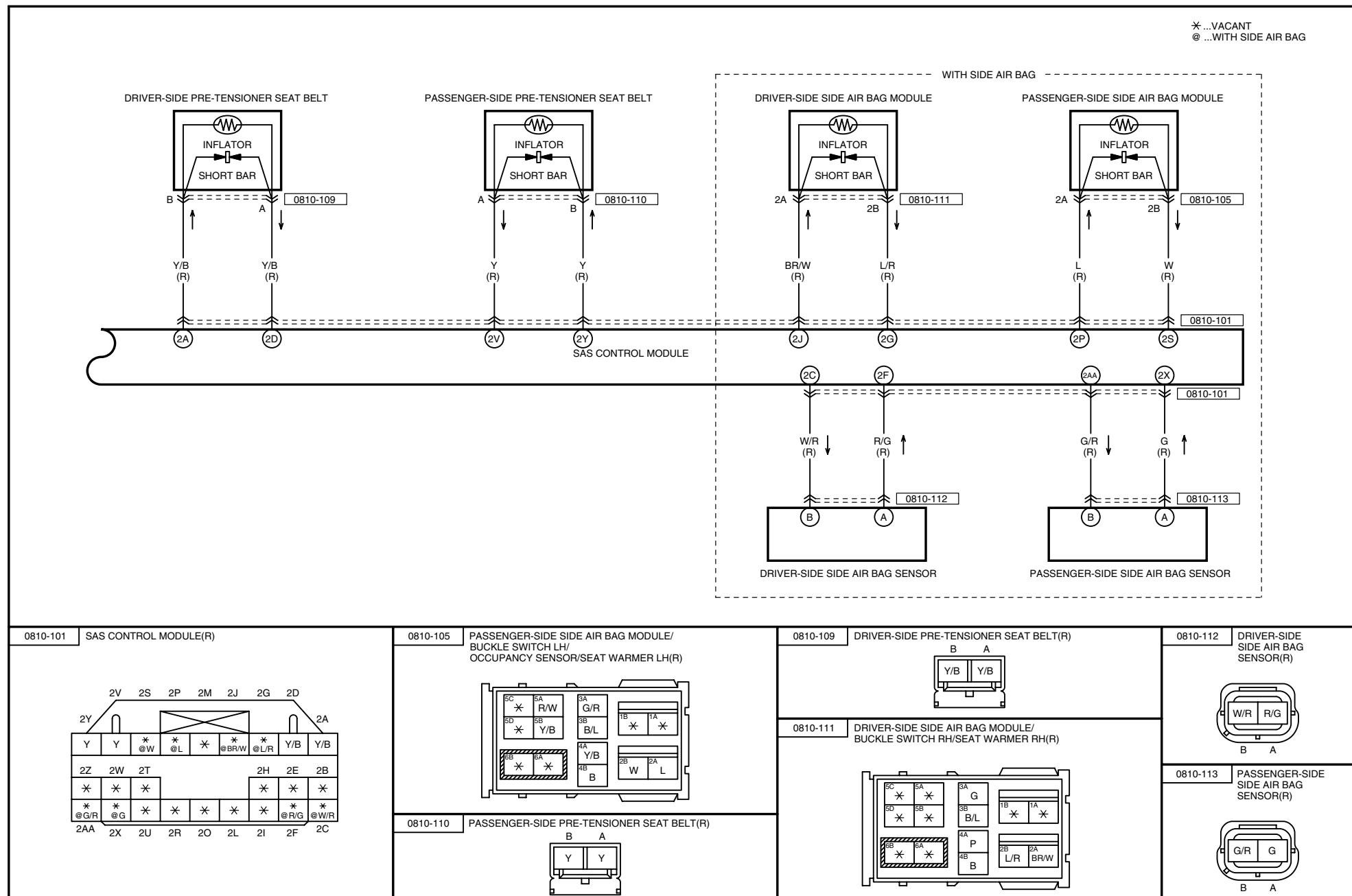


HARNESS SYMBOL:  (F)  (E)  (R)



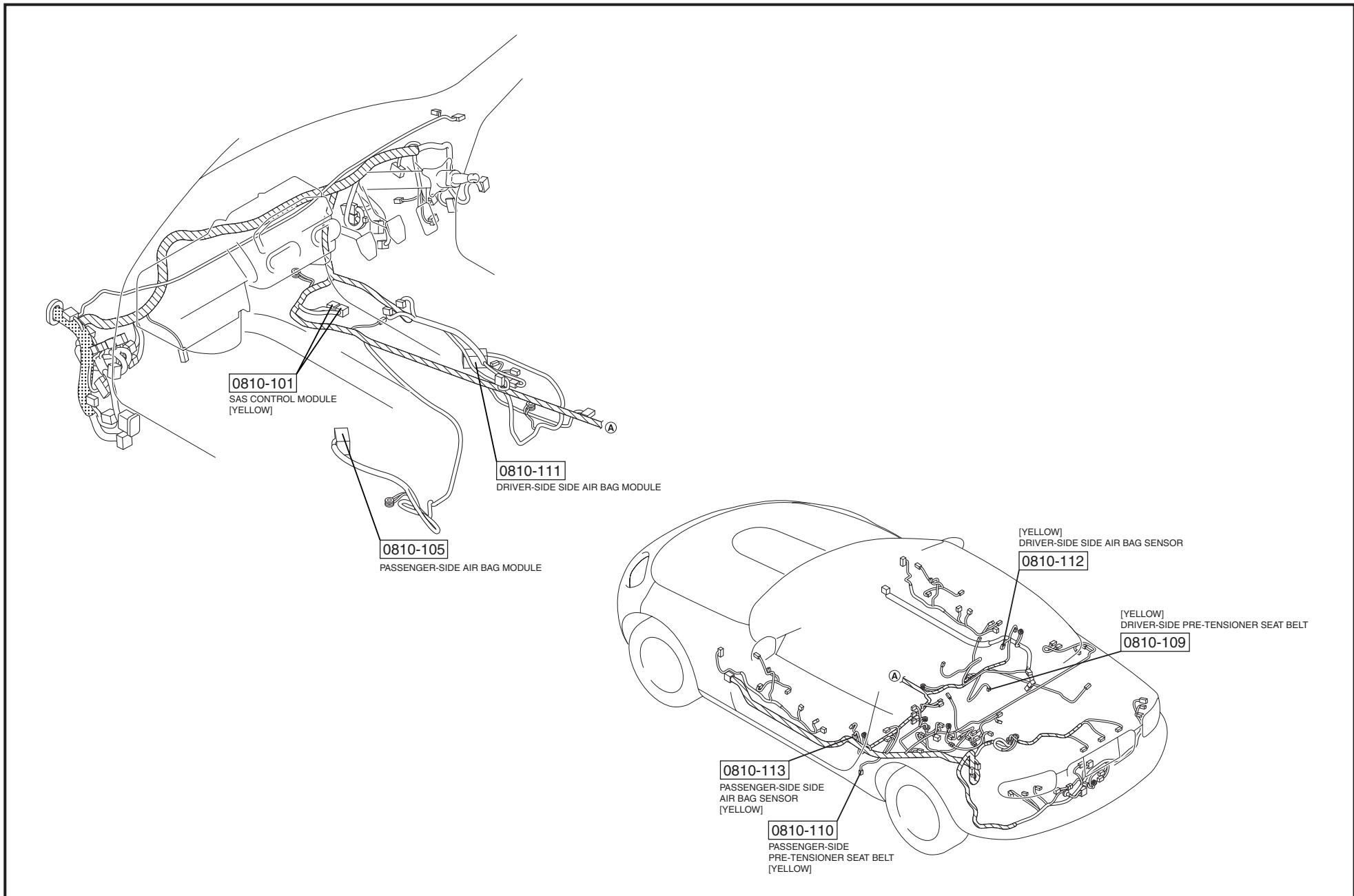
# AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

0810-1b



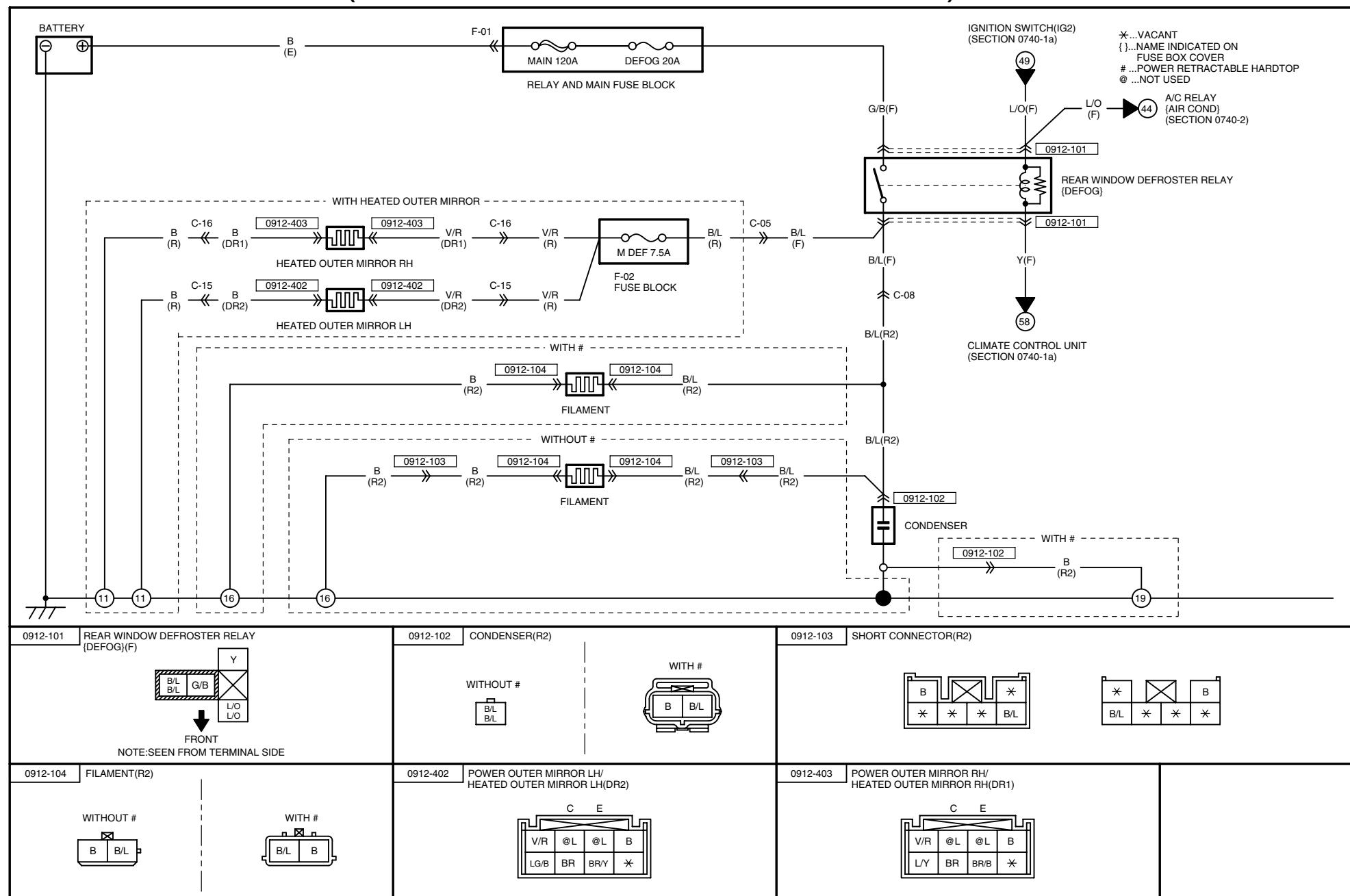
HARNESS SYMBOL: (F) (E) (R)

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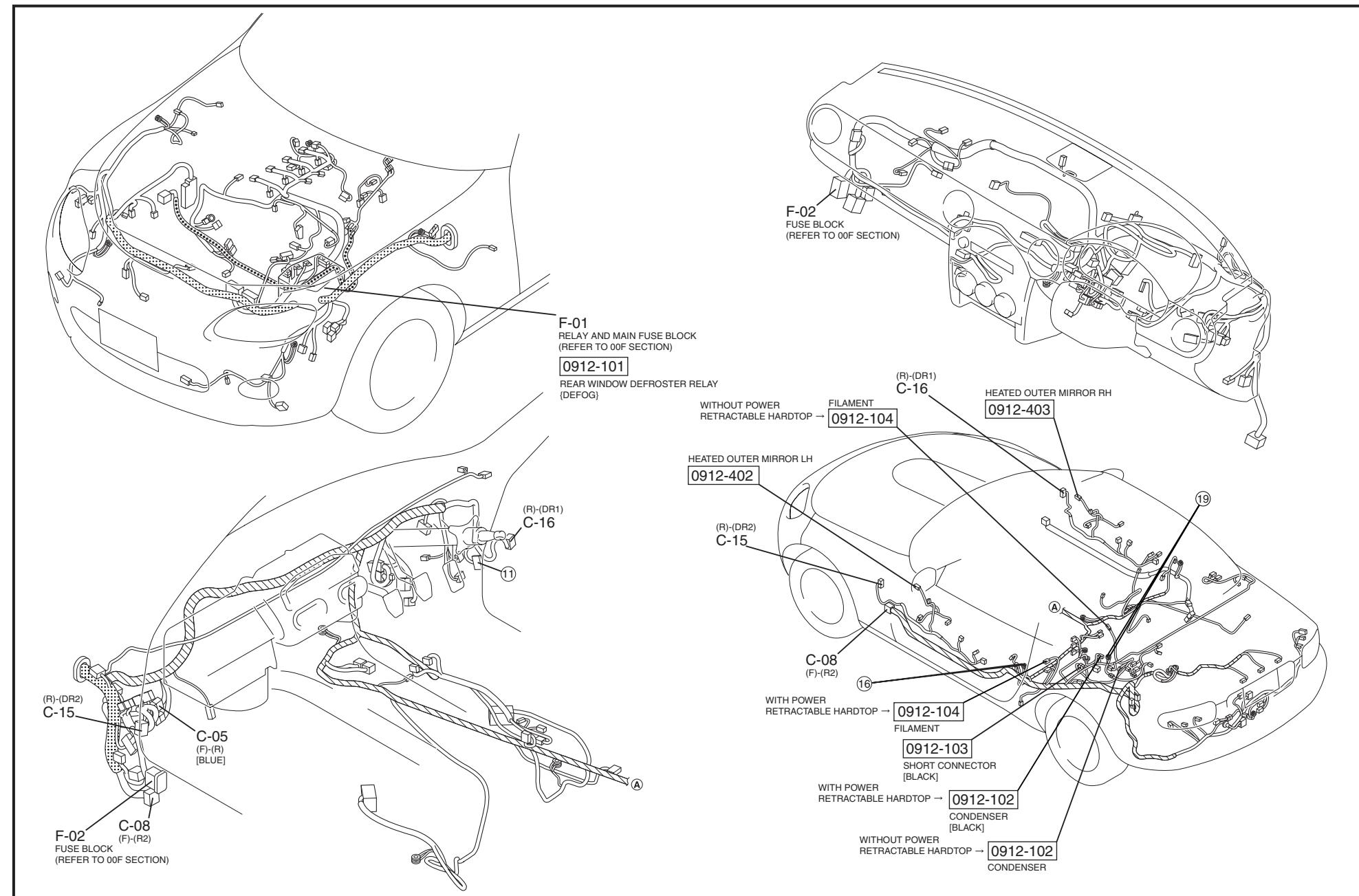
# REAR WINDOW DEFROSTER (INCLUDES HEATED OUTER MIRROR INFORMATION)

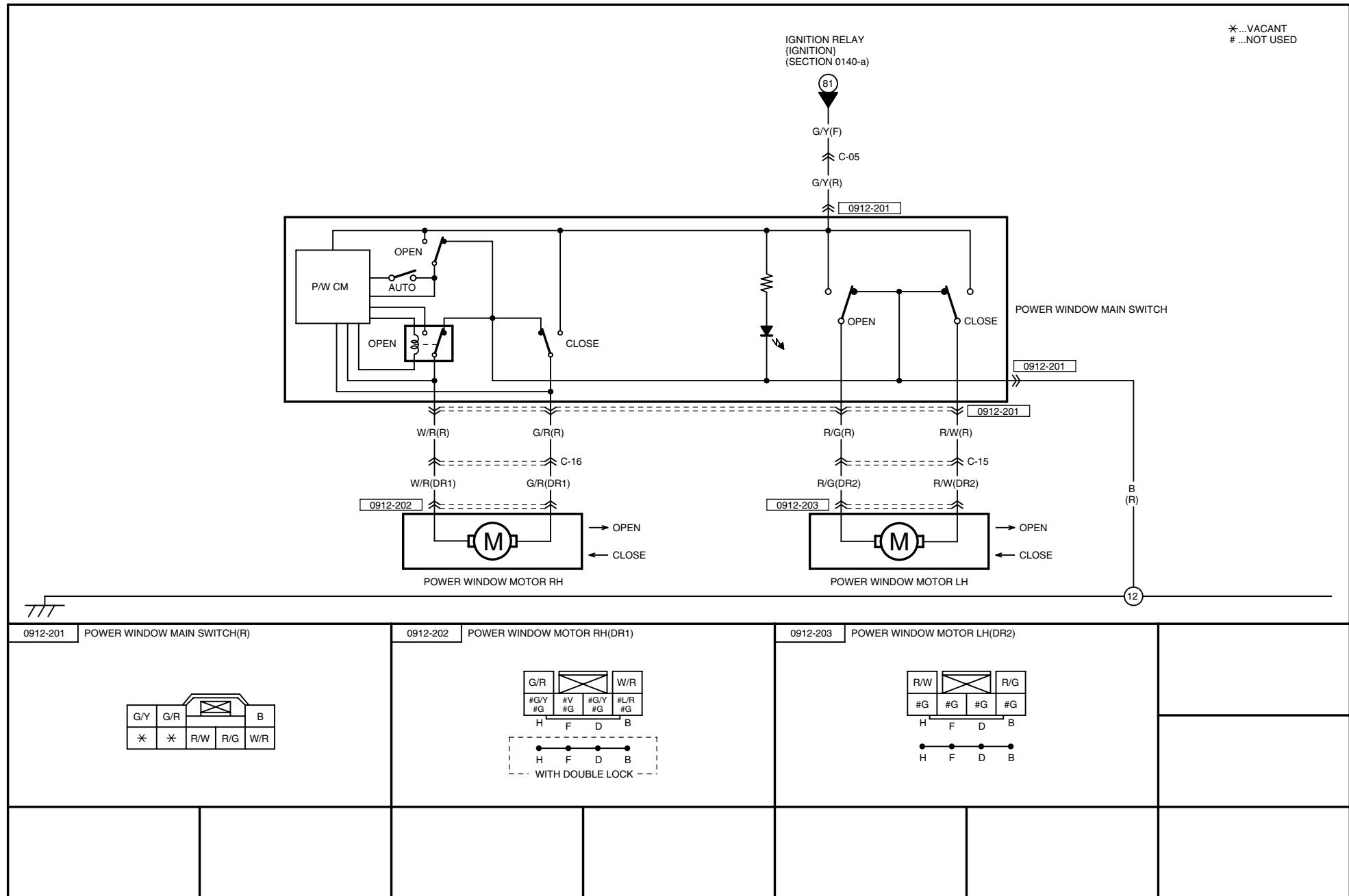
0912-1



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

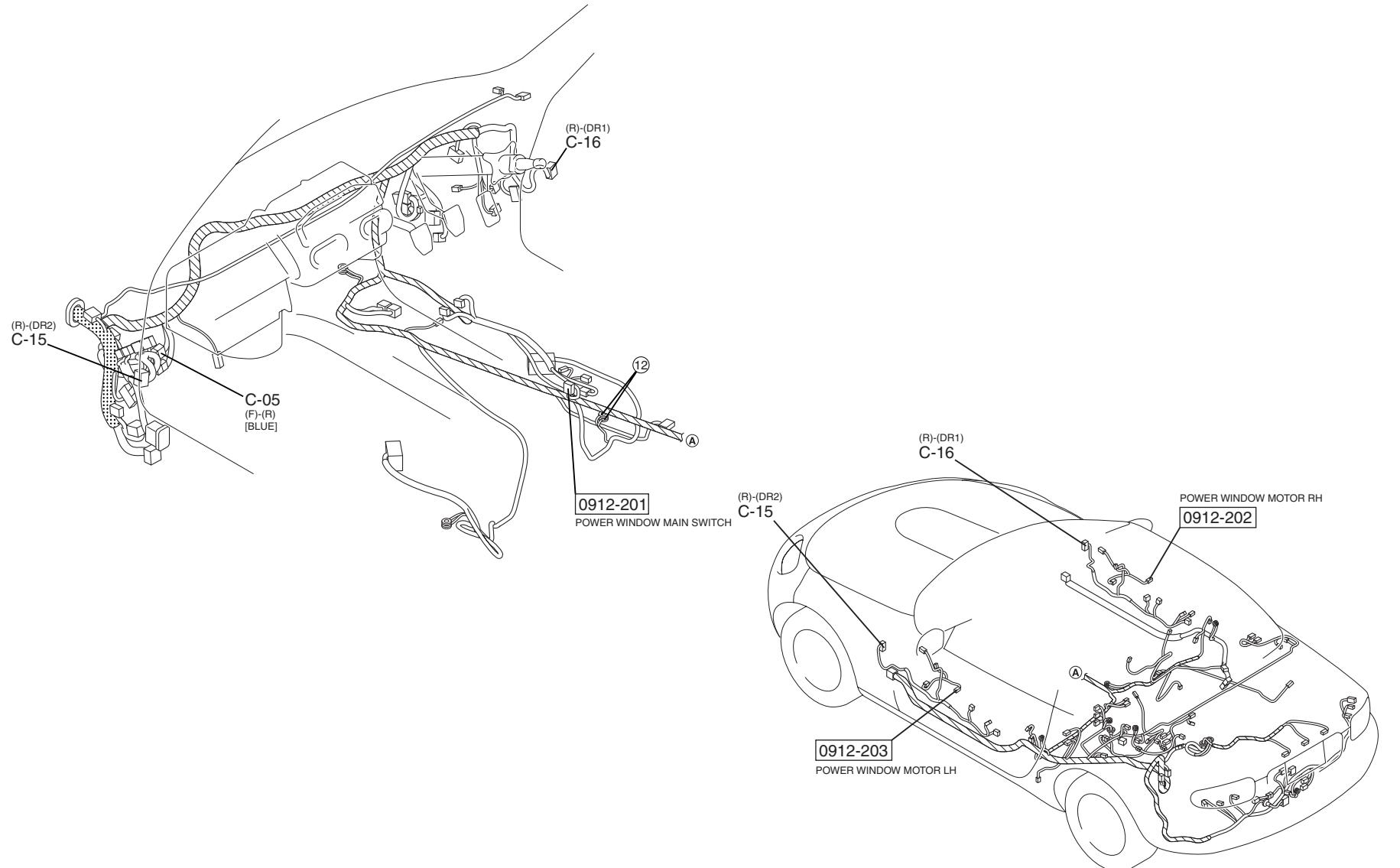
81





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

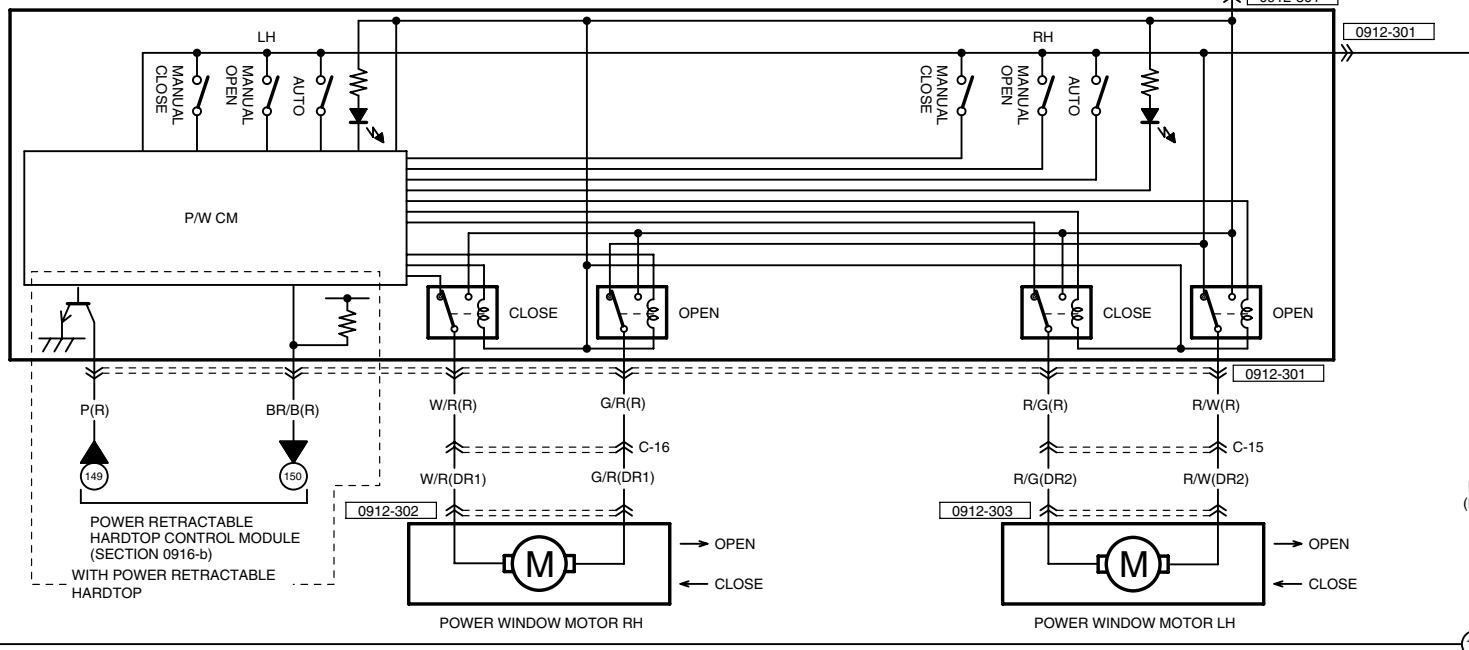
83



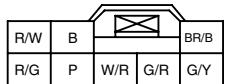
POWER WINDOW SYSTEM (AUSTRALIAN SPECS., U.K. SPECS. WITH POWER RETRACTABLE HARDTOP) 0912-3

\* ...VACANT  
# ...NOT USED

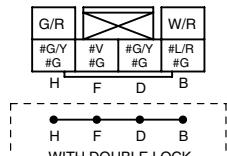
POWER WINDOW MAIN SWITCH



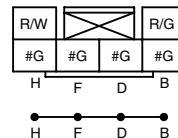
0912-301 POWER WINDOW MAIN SWITCH(R)



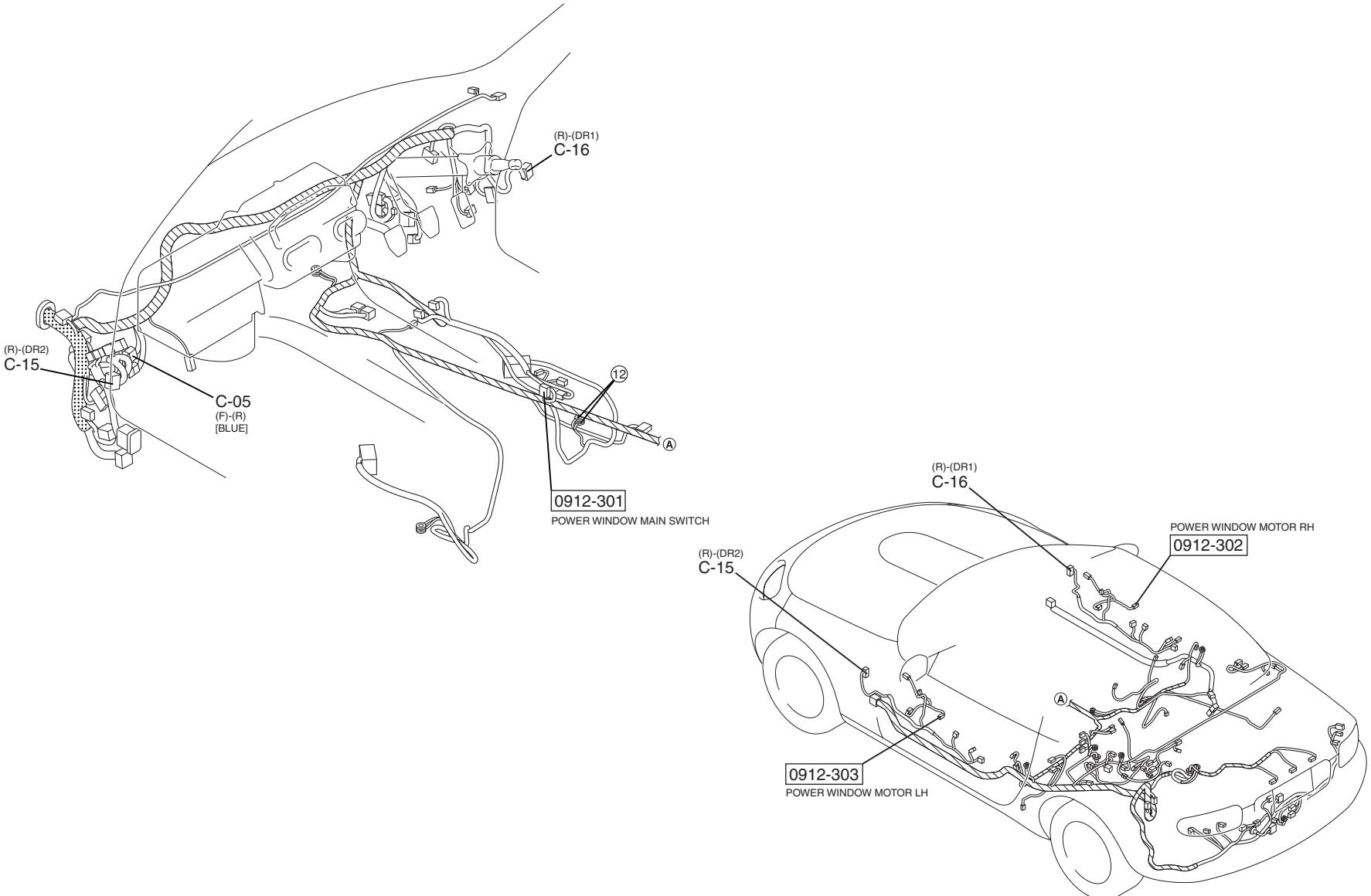
0912-302 POWER WINDOW MOTOR RH(DR1)



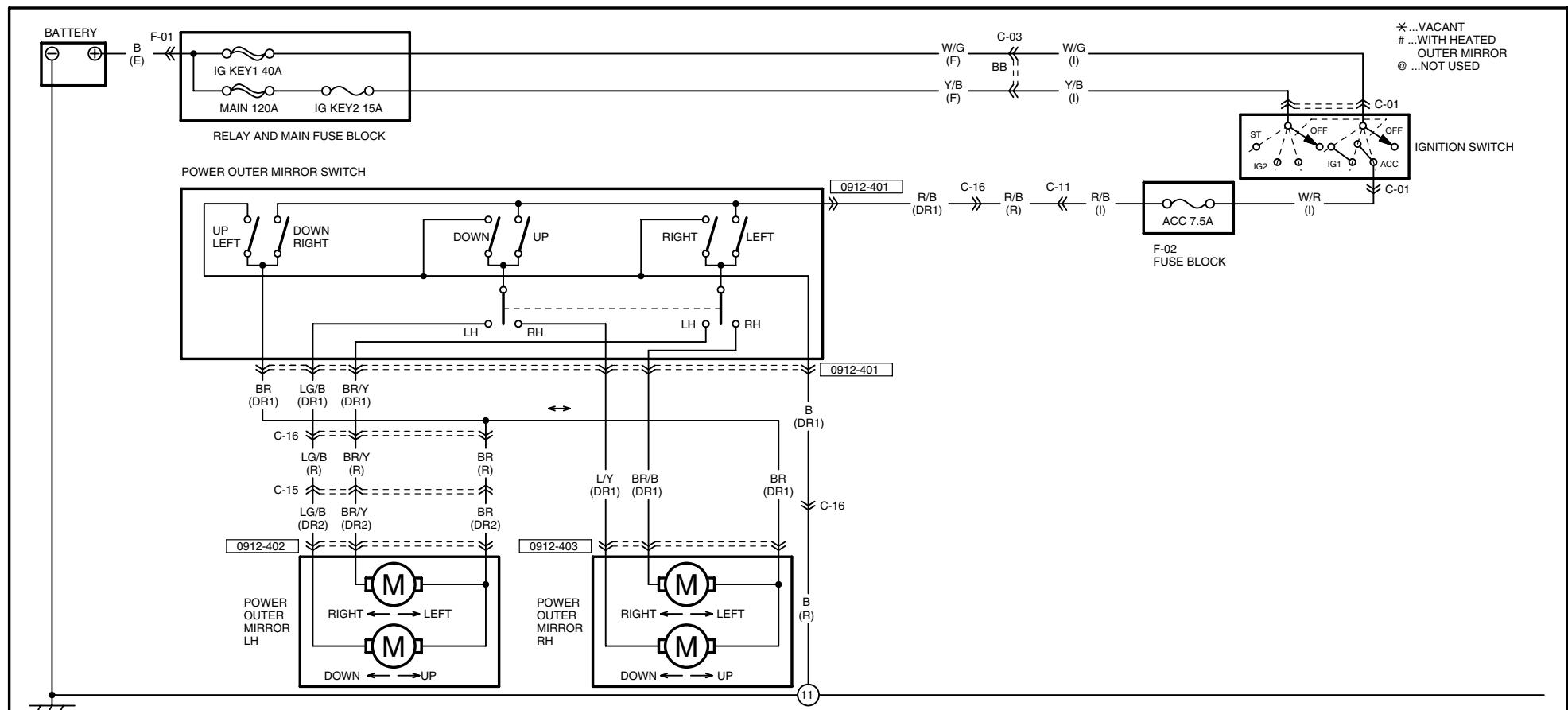
0912-303 POWER WINDOW MOTOR LH(DR2)



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



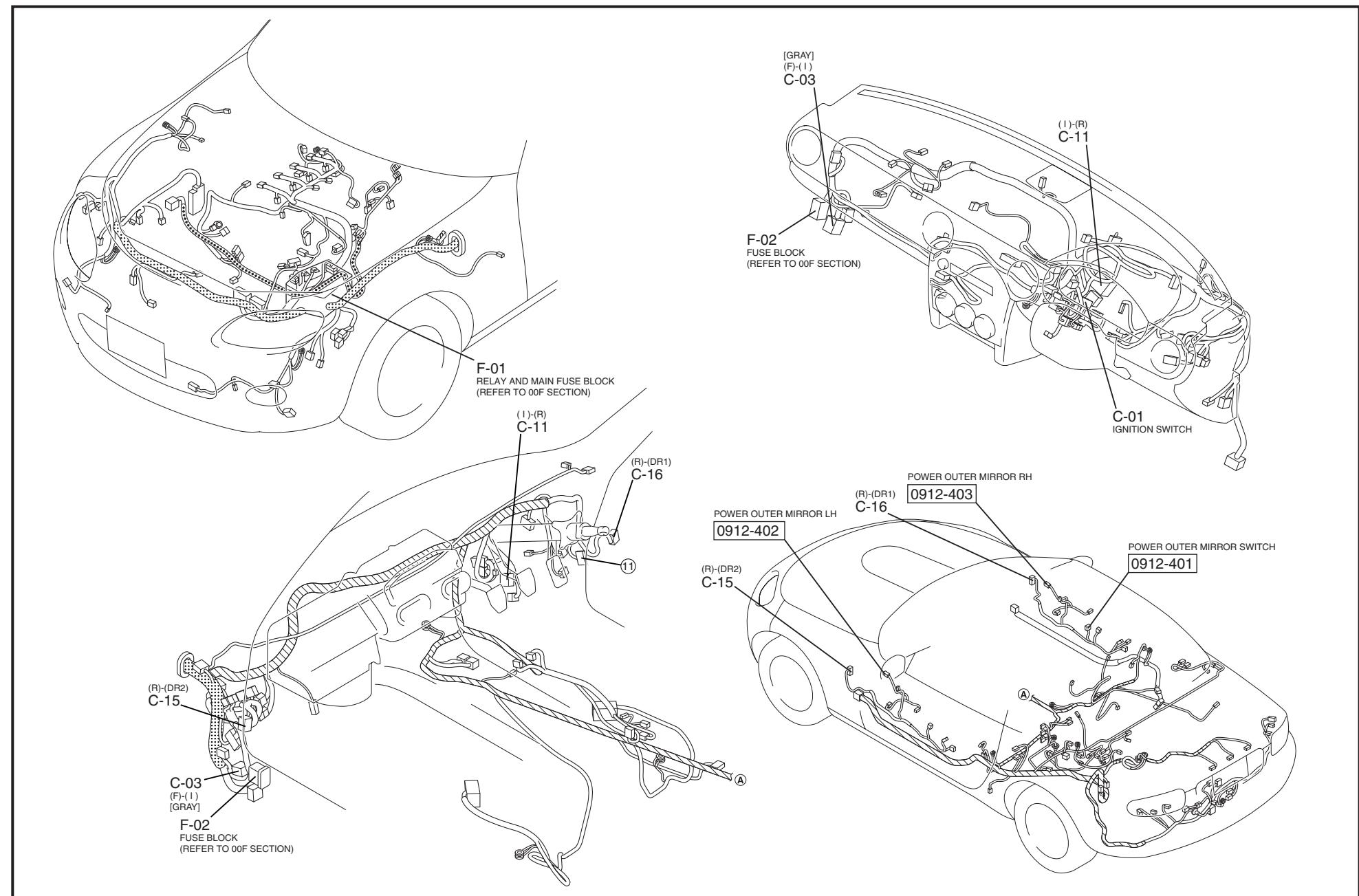
## POWER OUTER MIRROR



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)	
	 WITHOUT HEATED OUTER MIRROR	 WITHOUT HEATED OUTER MIRROR	

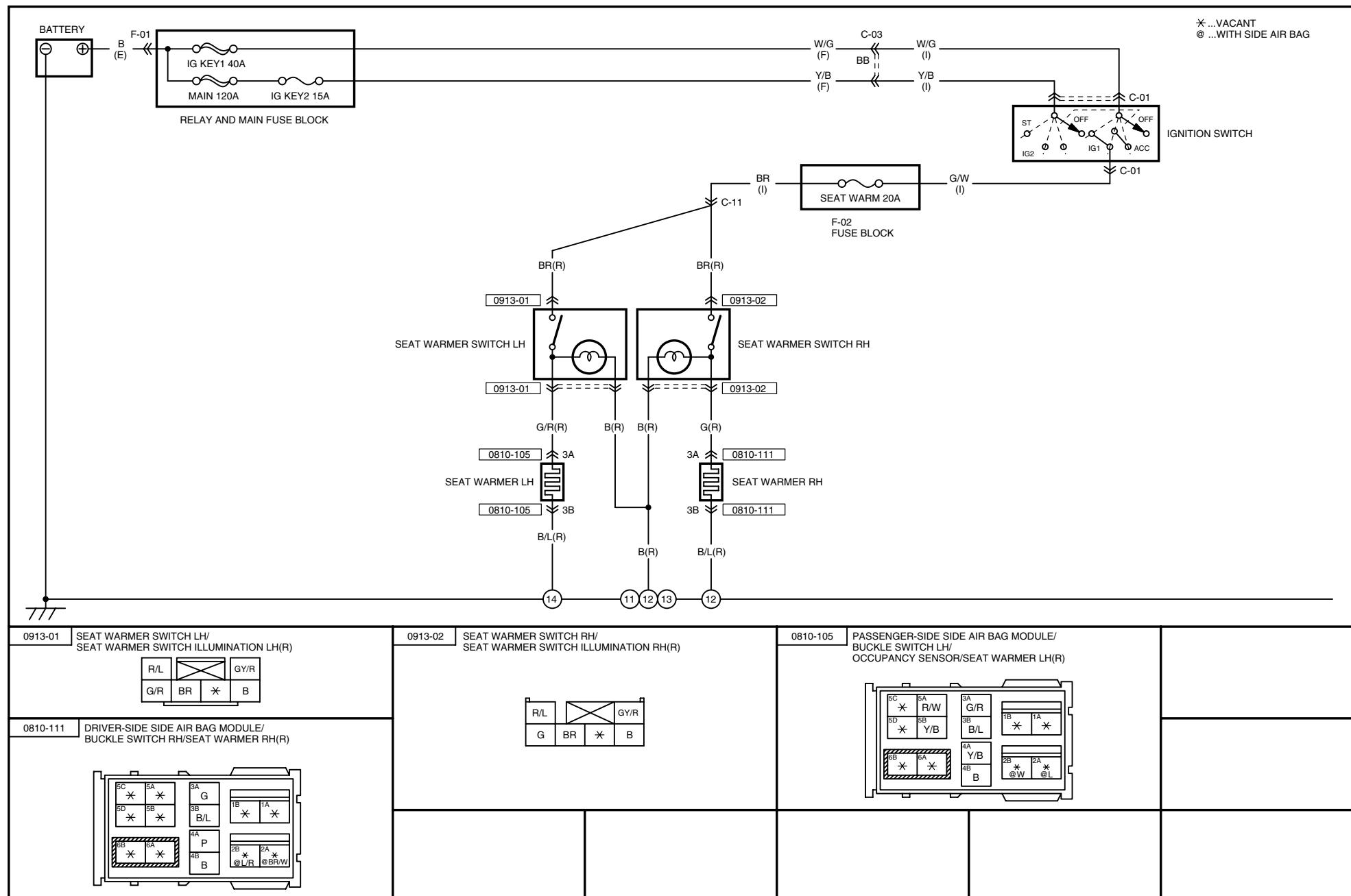
HARNESS SYMBOL: (F) (E) (R)

87

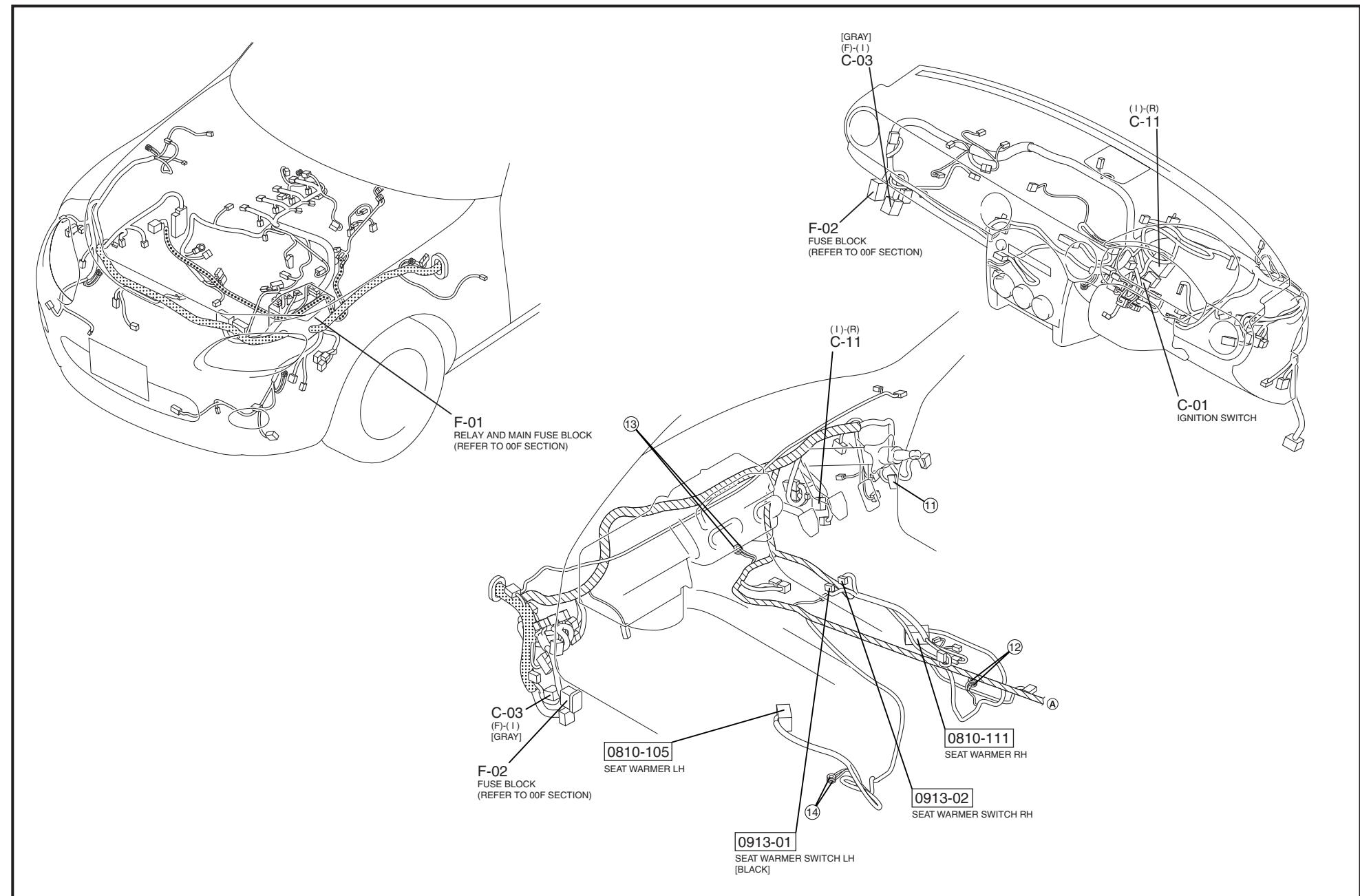


# SEAT WARMER

0913

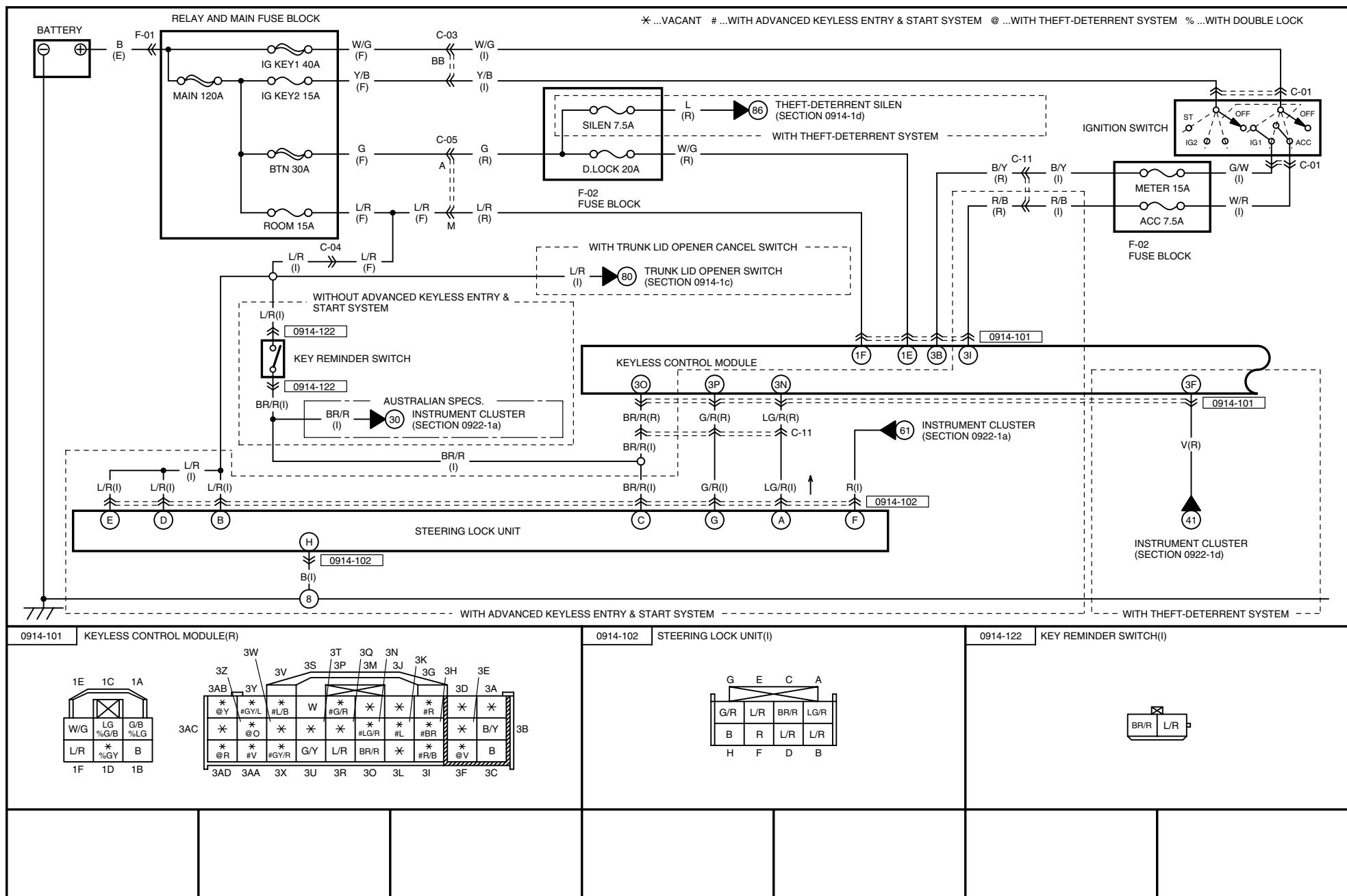


HARNESS SYMBOL: (F) (E) (R)

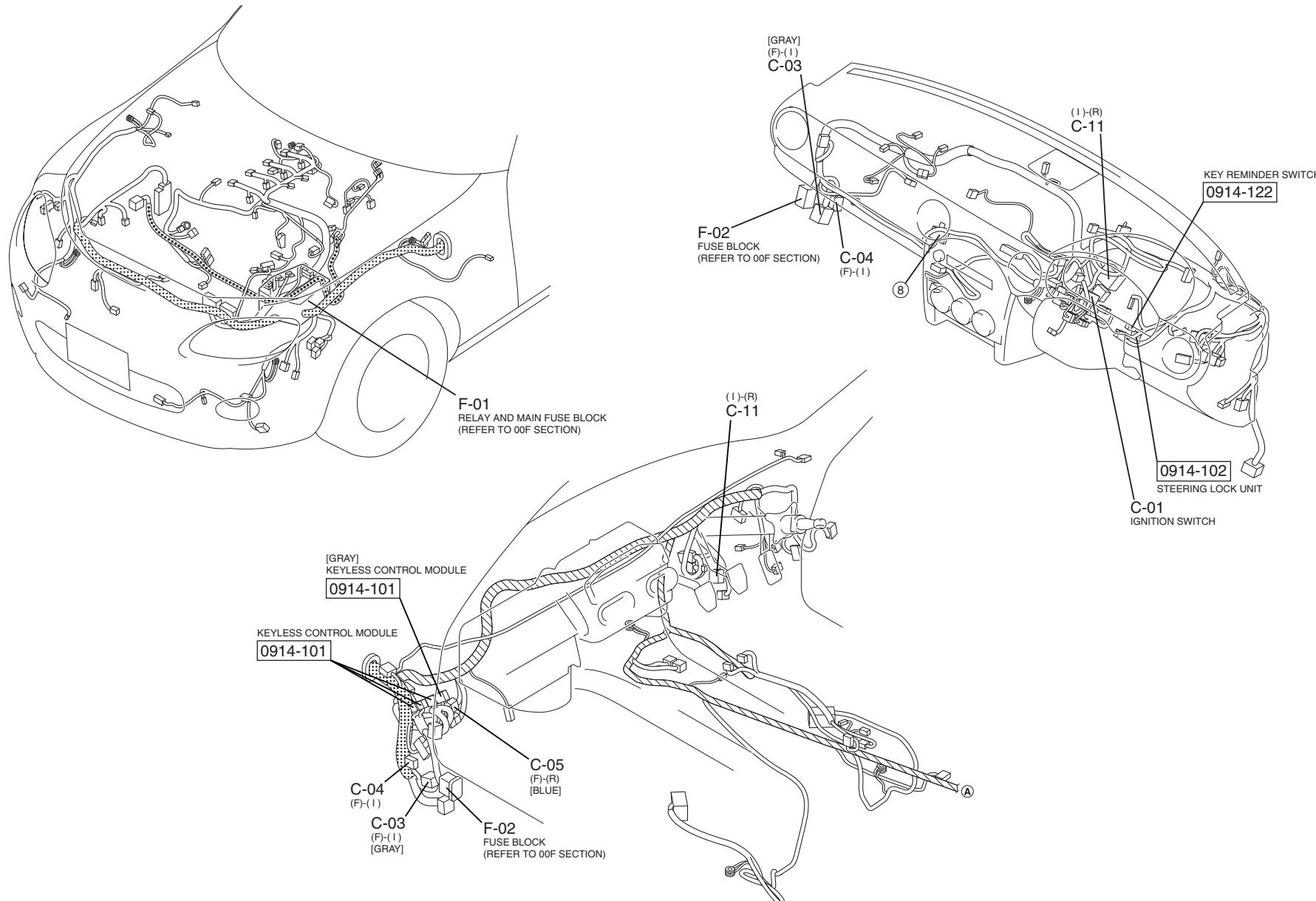


# KEYLESS CONTROL MODULE

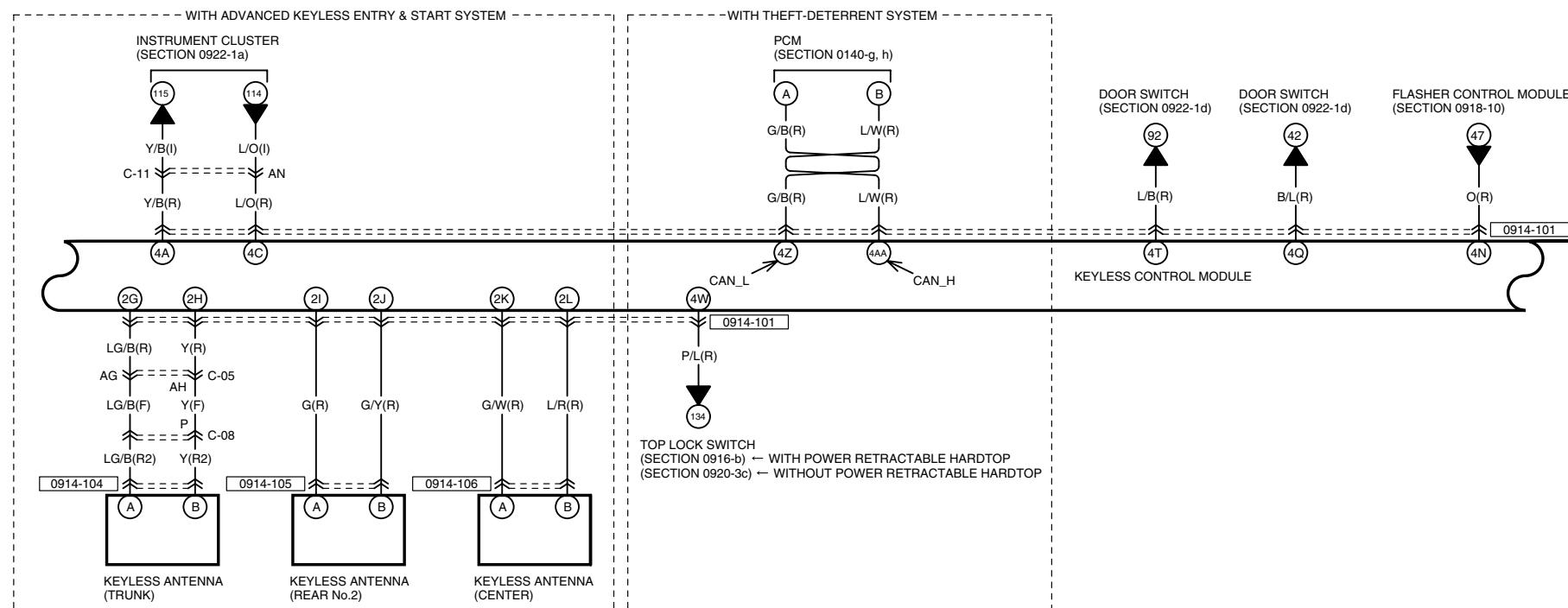
0914-1a



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



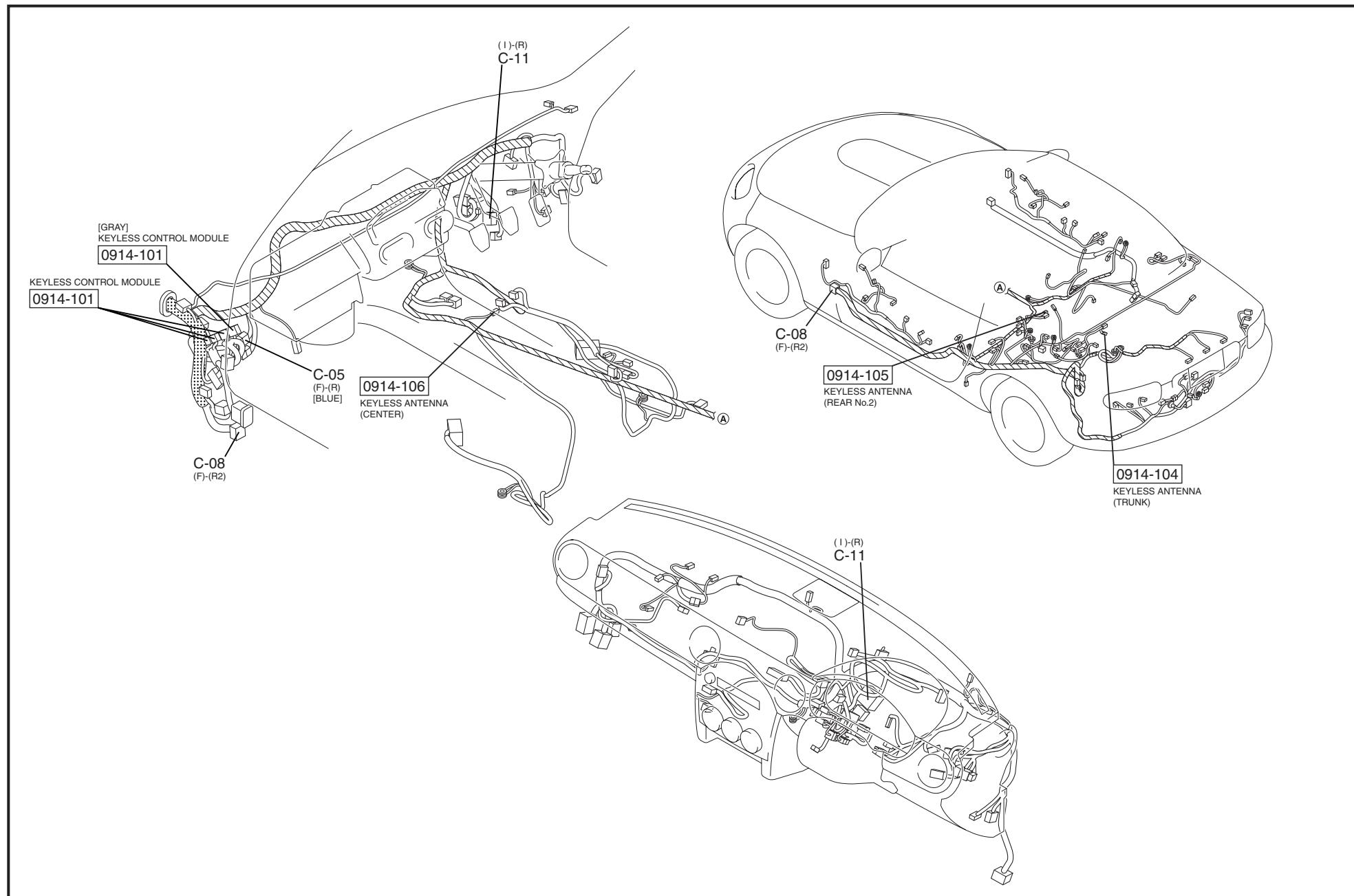
\* ...VACANT  
 # ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
 @ ...WITH THEFT-DETERRENT SYSTEM  
 <>...WITHOUT TRUNK LID OPENER CANCEL SWITCH



0914-101	KEYLESS CONTROL MODULE(R)	0914-104	KEYLESS ANTENNA(TRUNK)(R2)	0914-105	KEYLESS ANTENNA(REA No.2)(R)
2I 2G 2E 2C	2K	4Y	Y	0914-104	KEYLESS ANTENNA(REA No.2)(R)
2L 2J 2H 2F 2D 2B	2A	4V 4S 4P 4T 4Q 4M 4N 4J 4K 4G 4H 4D 4E	LG/B	0914-105	KEYLESS ANTENNA(REA No.2)(R)
		4Z	B A		
		4A 4X 4U 4R 4O 4L 4I 4F 4C	Y LG/B		
			B A		
			0914-106	KEYLESS ANTENNA(CENTER)(R)	
			L/R G/W	B A	
			B A		

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

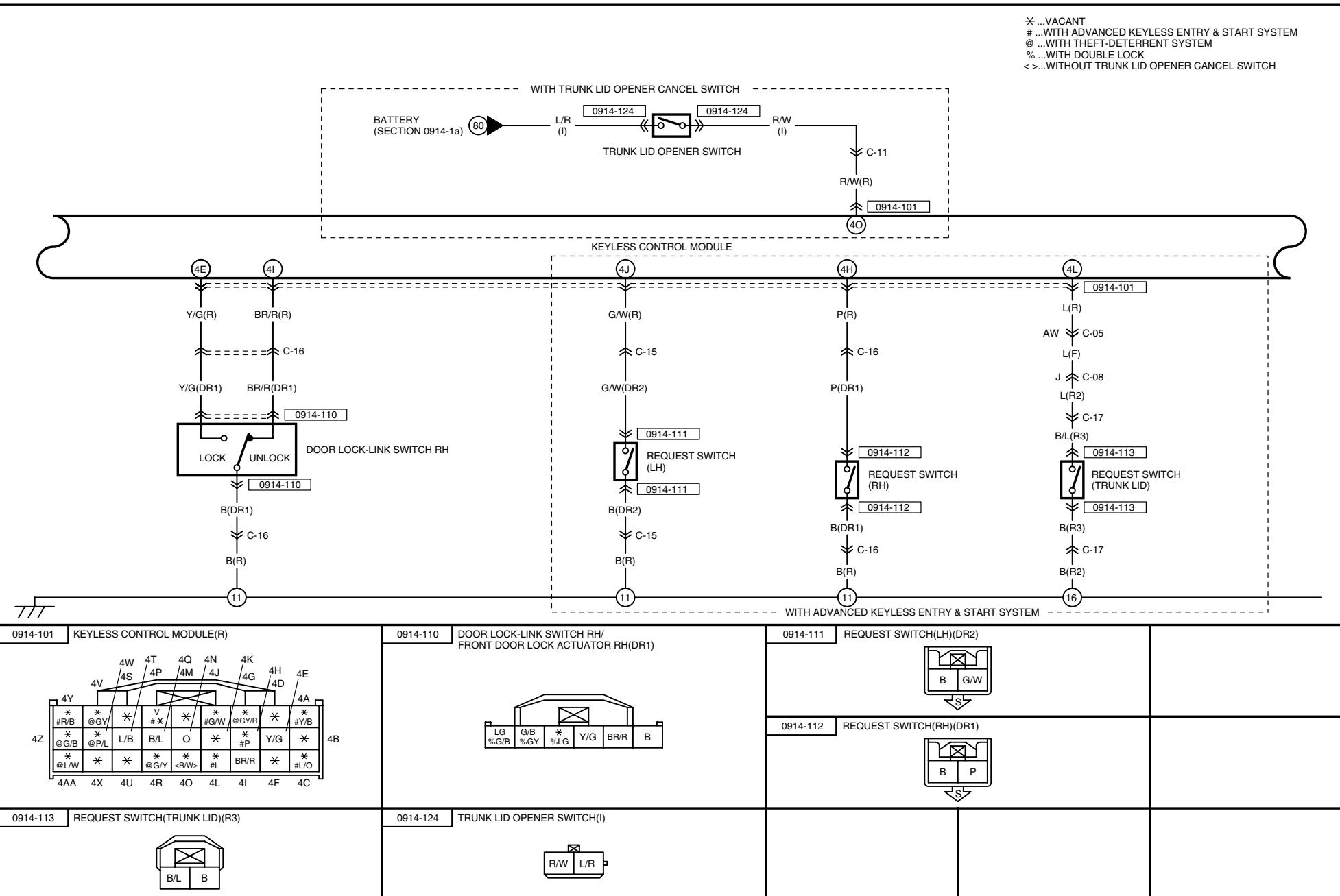
93



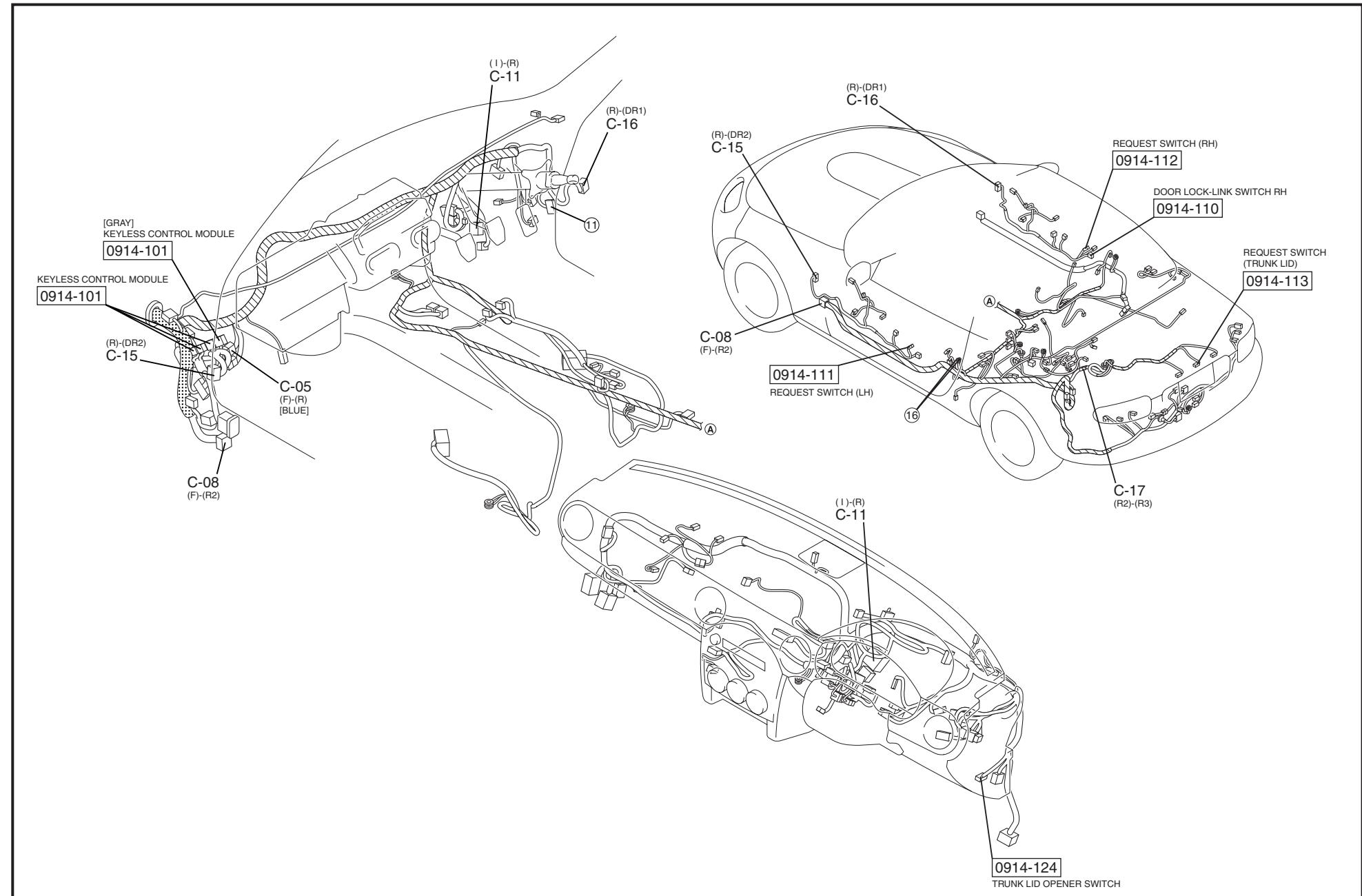
# KEYLESS CONTROL MODULE

0914-1c

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

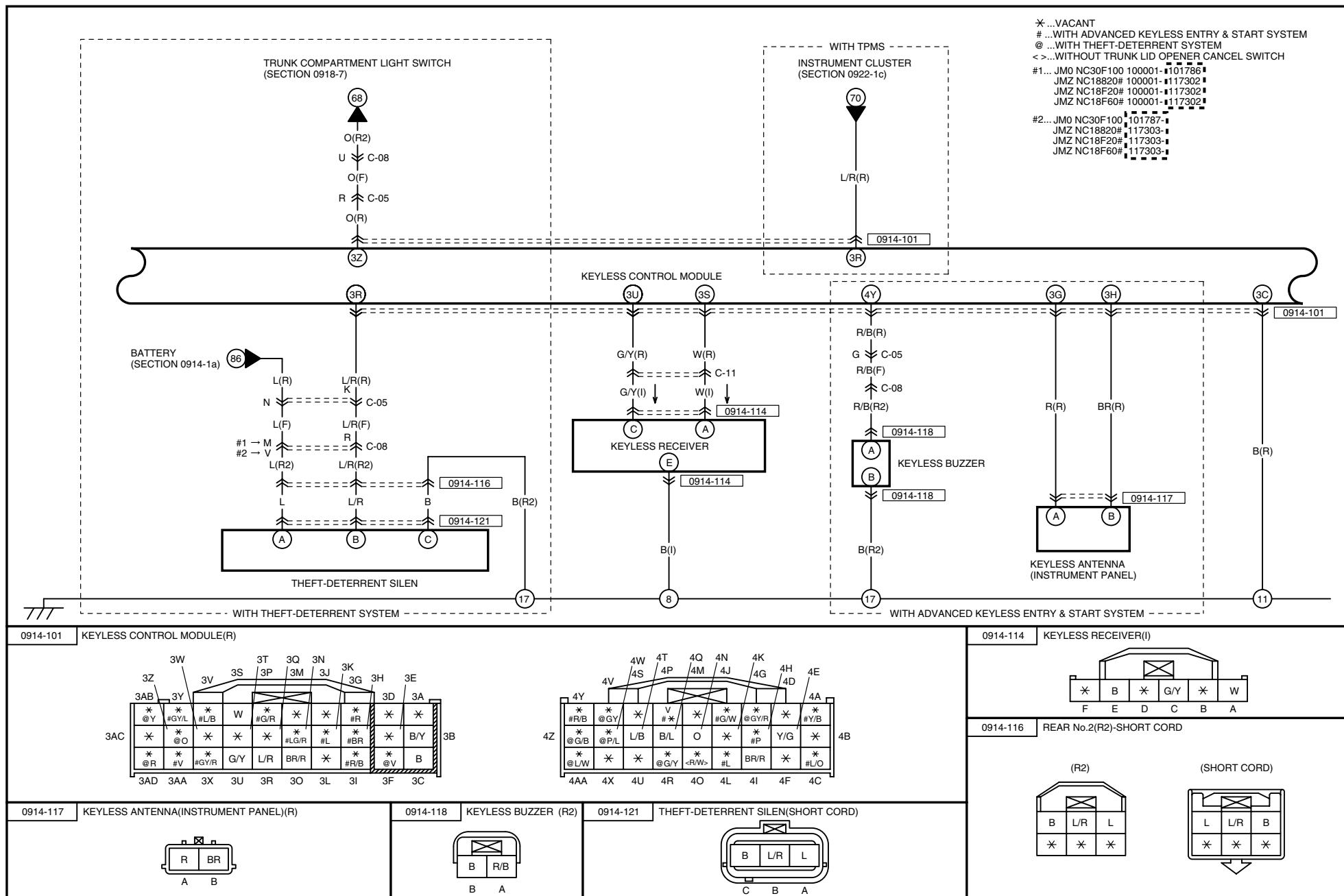


HARNESS SYMBOL: (F) (E) (R)

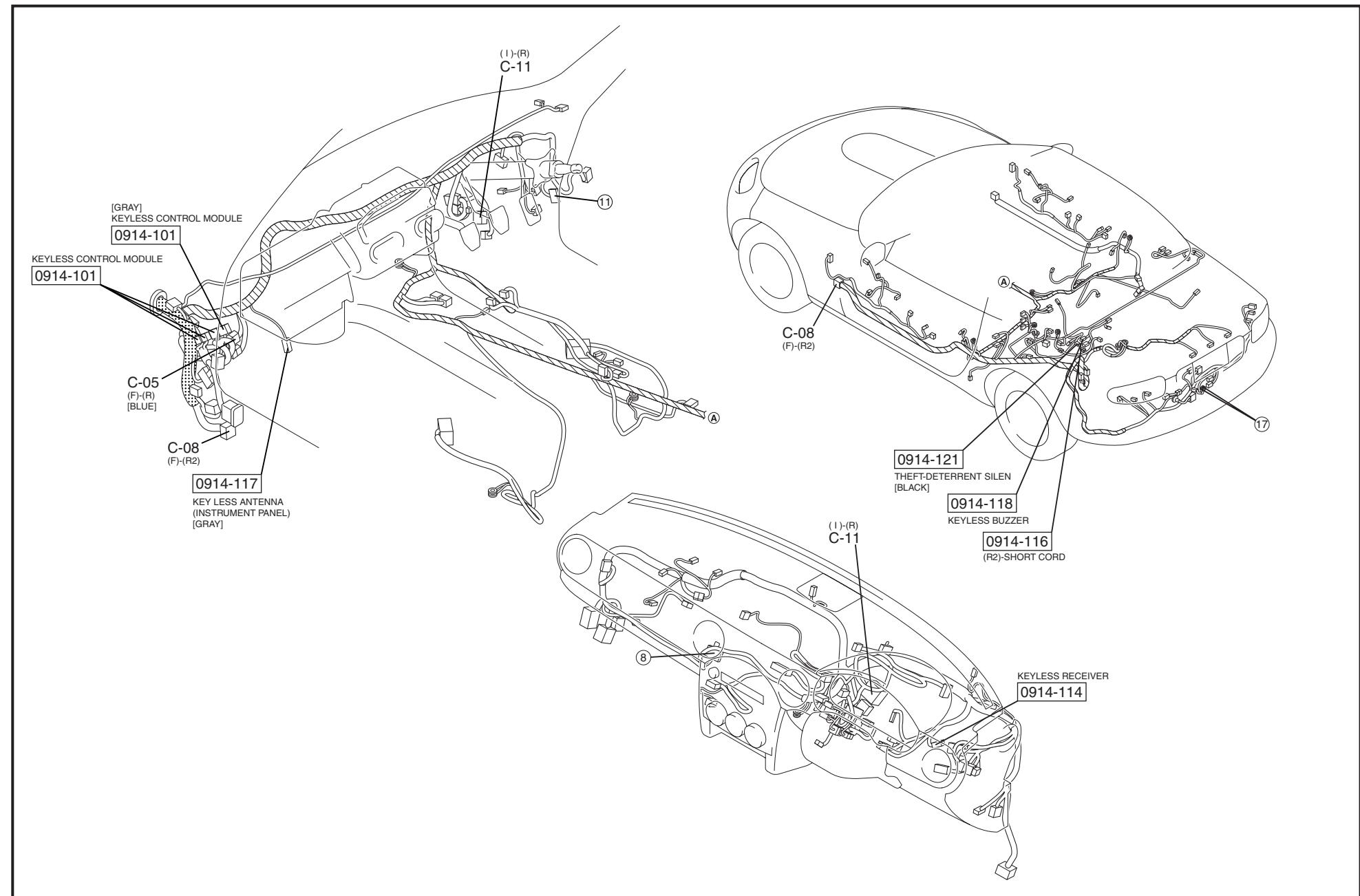


# KEYLESS CONTROL MODULE

0914-1d

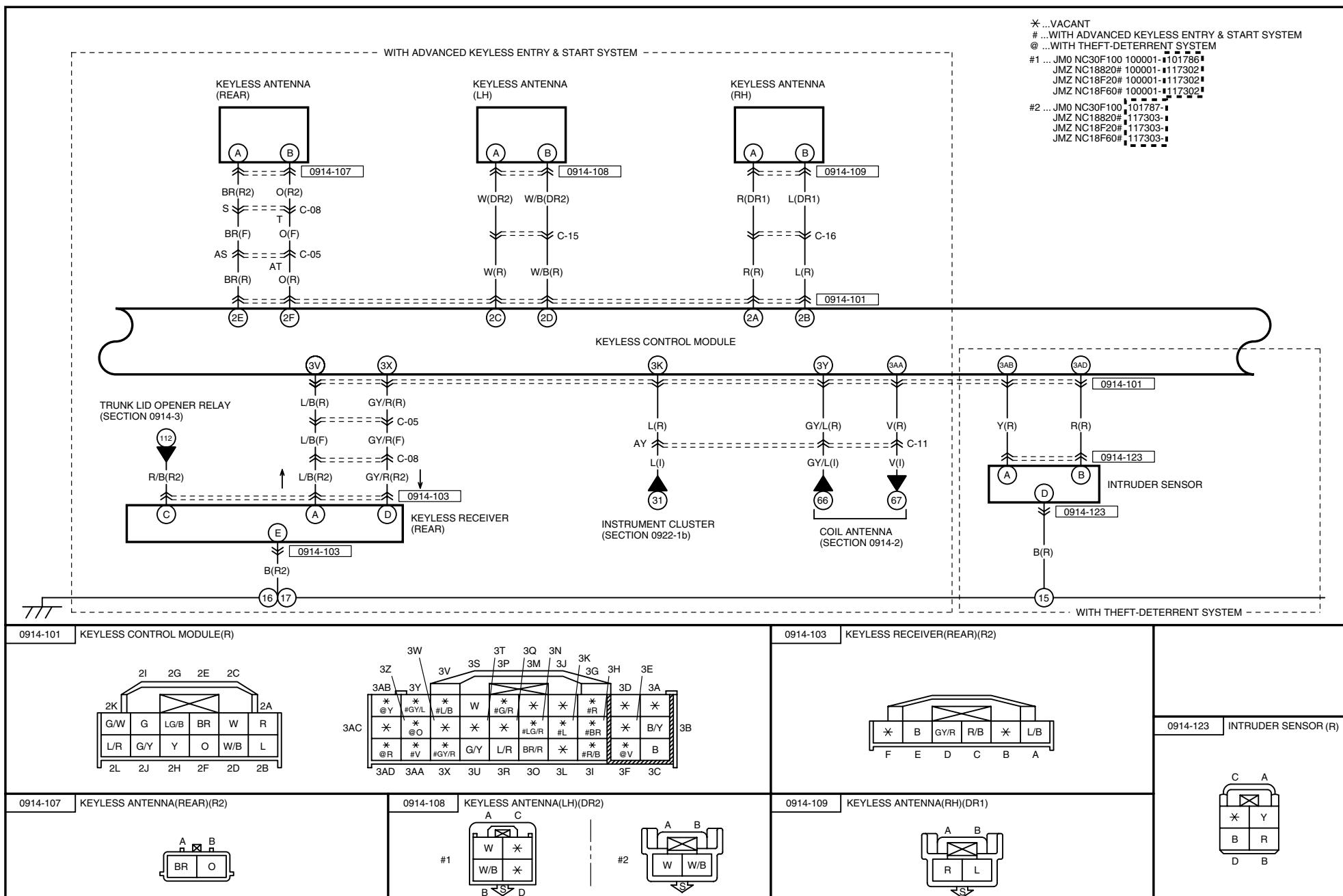


HARNESS SYMBOL: (F) (E) (R)

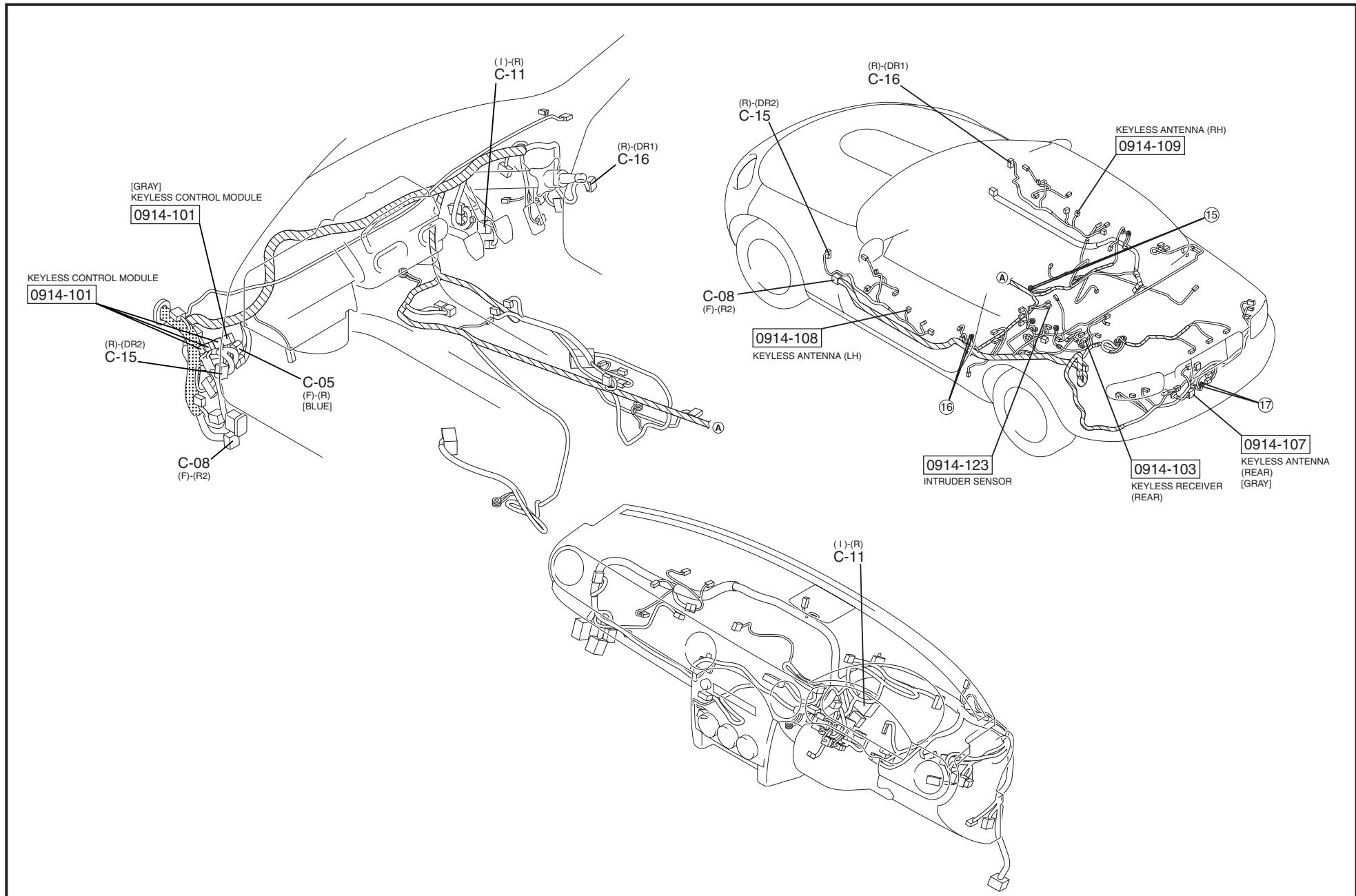


# KEYLESS CONTROL MODULE

0914-1e



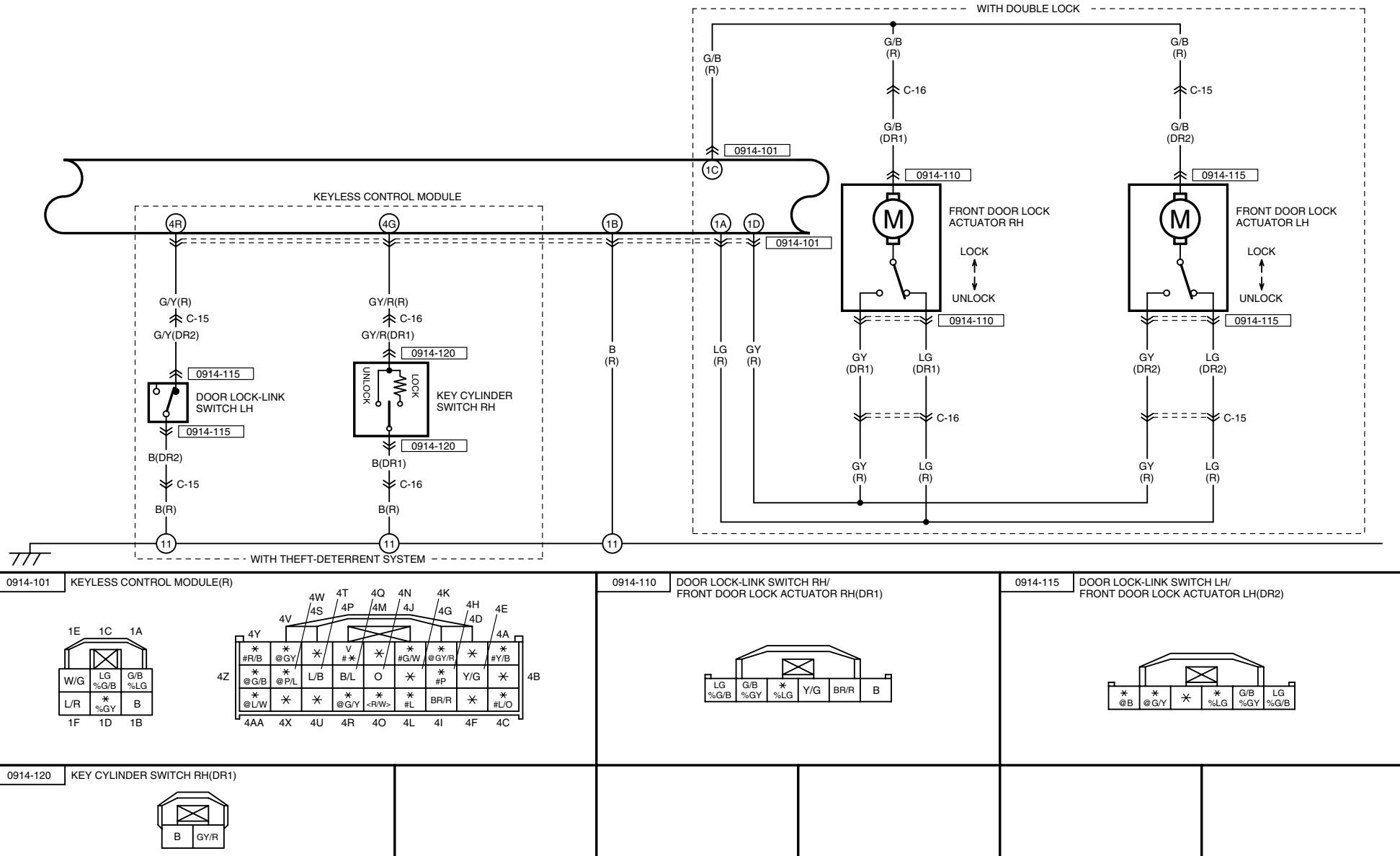
HARNESS SYMBOL: (F) (E) (R)



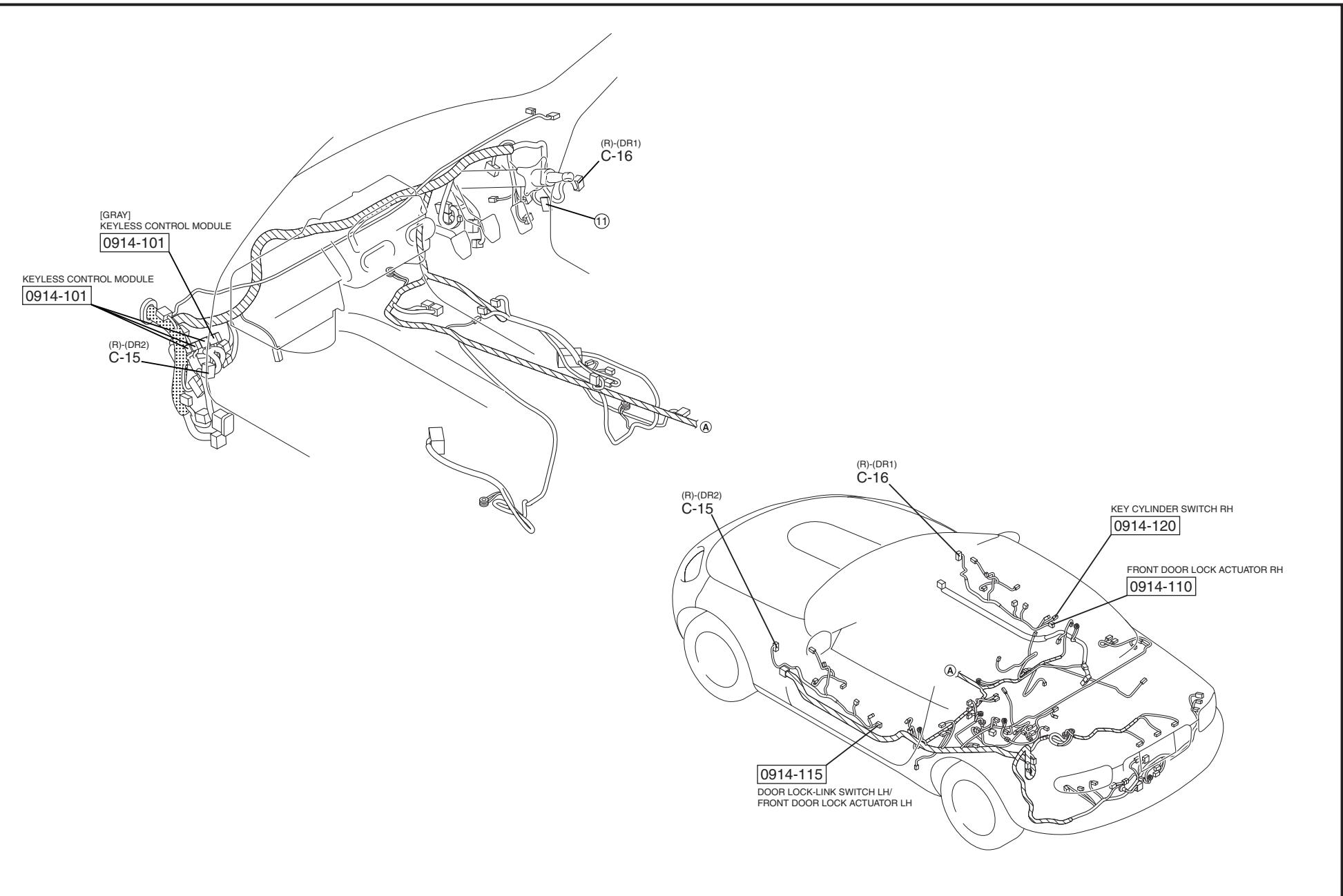
# KEYLESS CONTROL MODULE

0914-1f

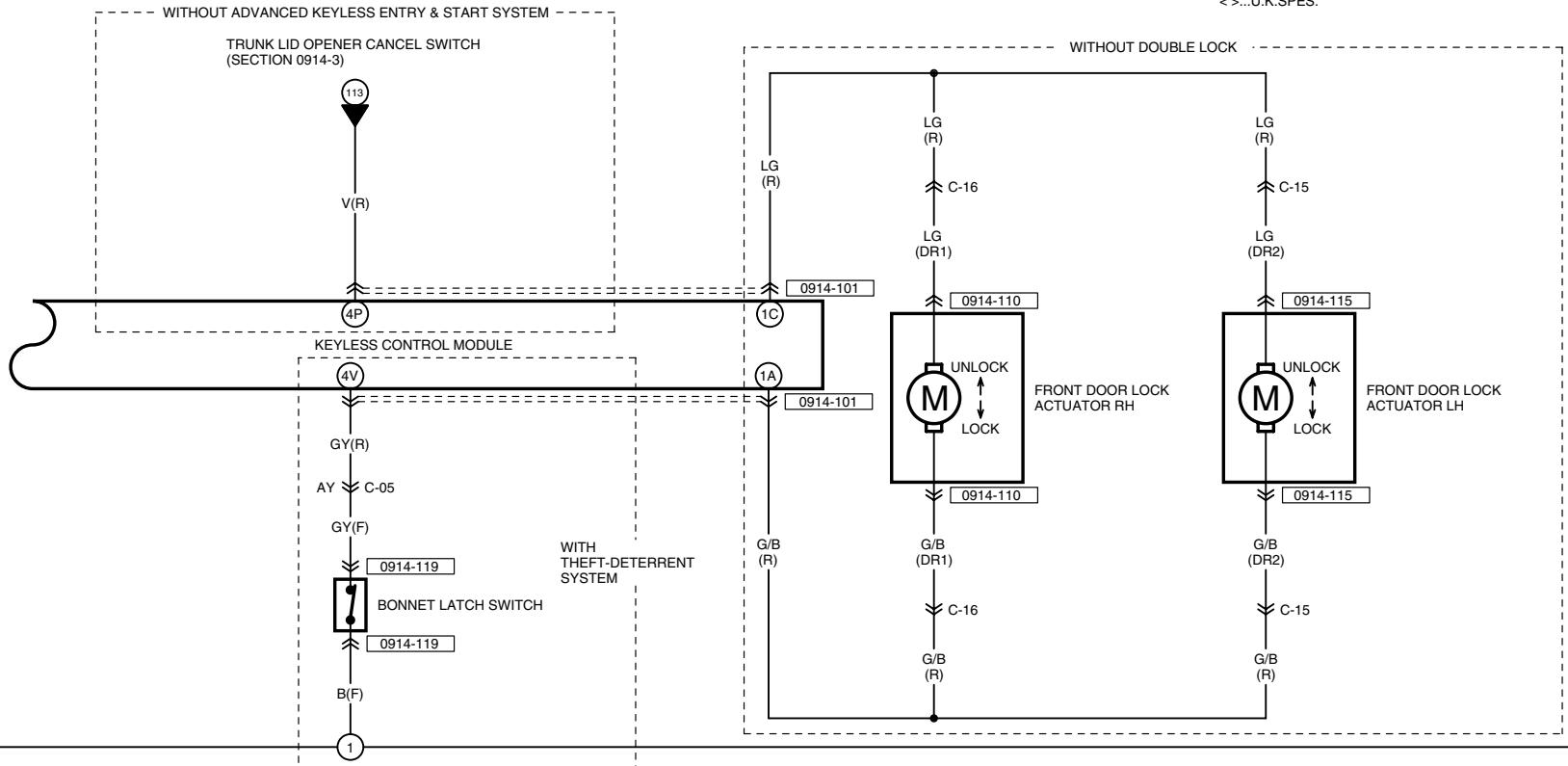
\* ...VACANT  
 # ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
 @ ...WITH THEFT-DETERRENT SYSTEM  
 % ...WITH DOUBLE LOCK  
 <>...U.K.SPES.



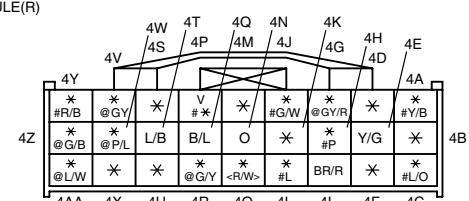
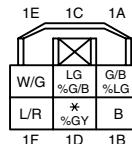
HARNESS SYMBOL: (F) (E) (R)



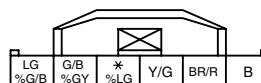
\* ...VACANT  
 # ...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
 @ ...WITH THEFT-DETERRENT SYSTEM  
 % ...WITH DOUBLE LOCK  
 <>...U.K.SPES.



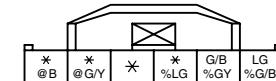
0914-101 KEYLESS CONTROL MODULE(R)



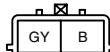
0914-110 DOOR LOCK-LINK SWITCH RH/ FRONT DOOR LOCK ACTUATOR RH(DR1)



0914-115 DOOR LOCK-LINK SWITCH LH/ FRONT DOOR LOCK ACTUATOR LH(DR2)

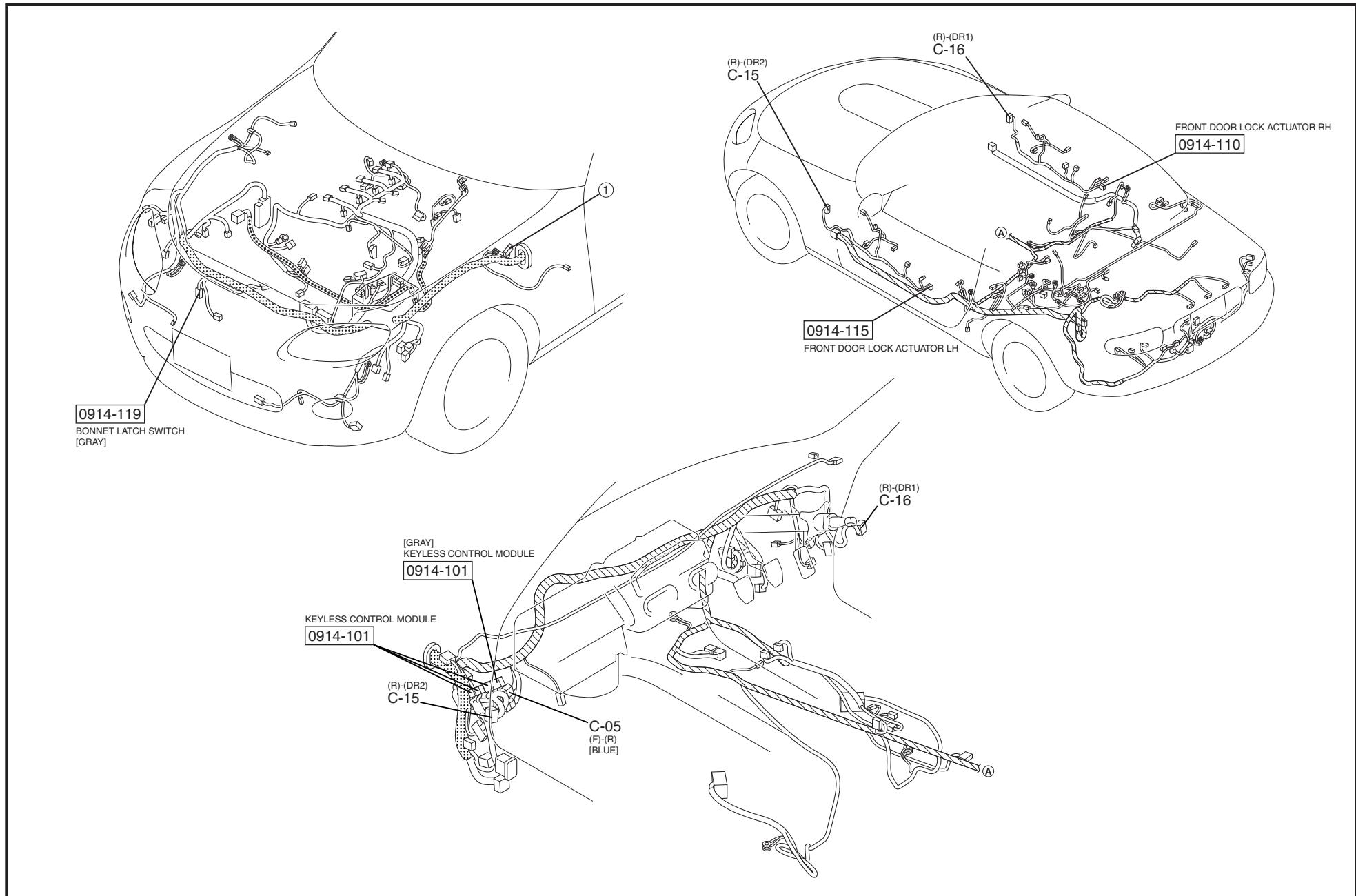


0914-119 BONNET LATCH SWITCH(F)



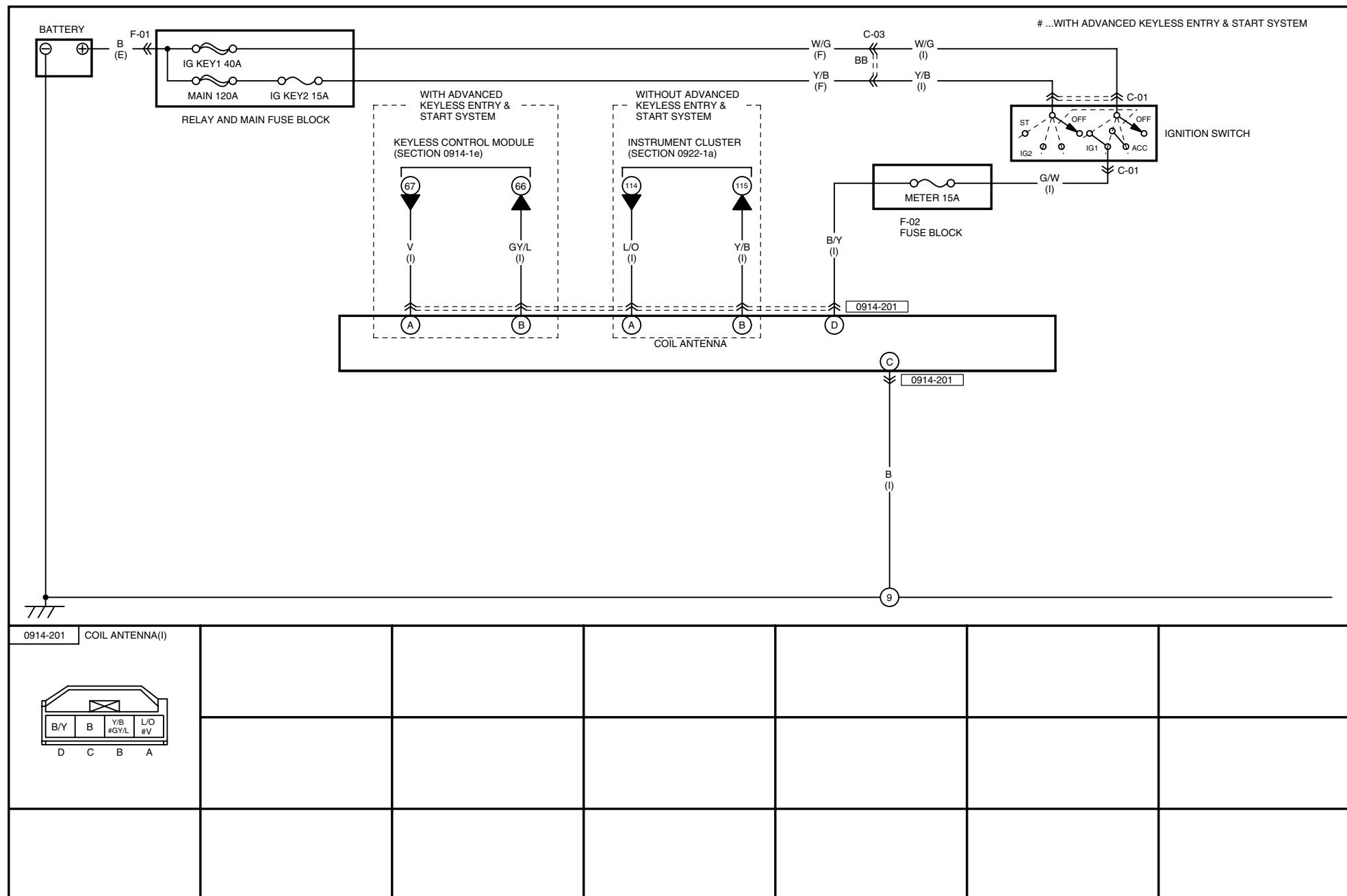
HARNESS SYMBOL: (F) (E) (R)

103



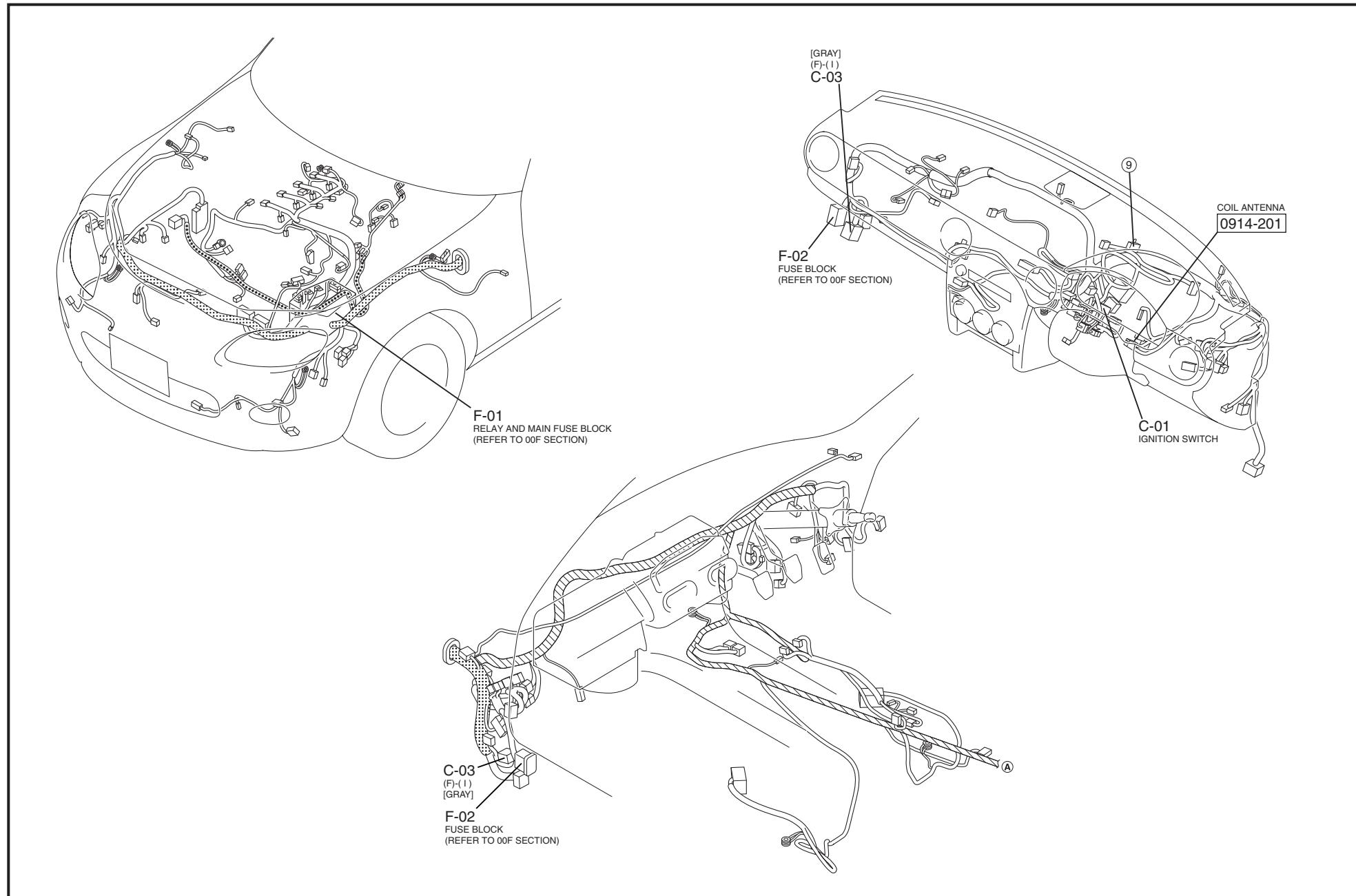
# IMMOBILIZER SYSTEM

0914-2



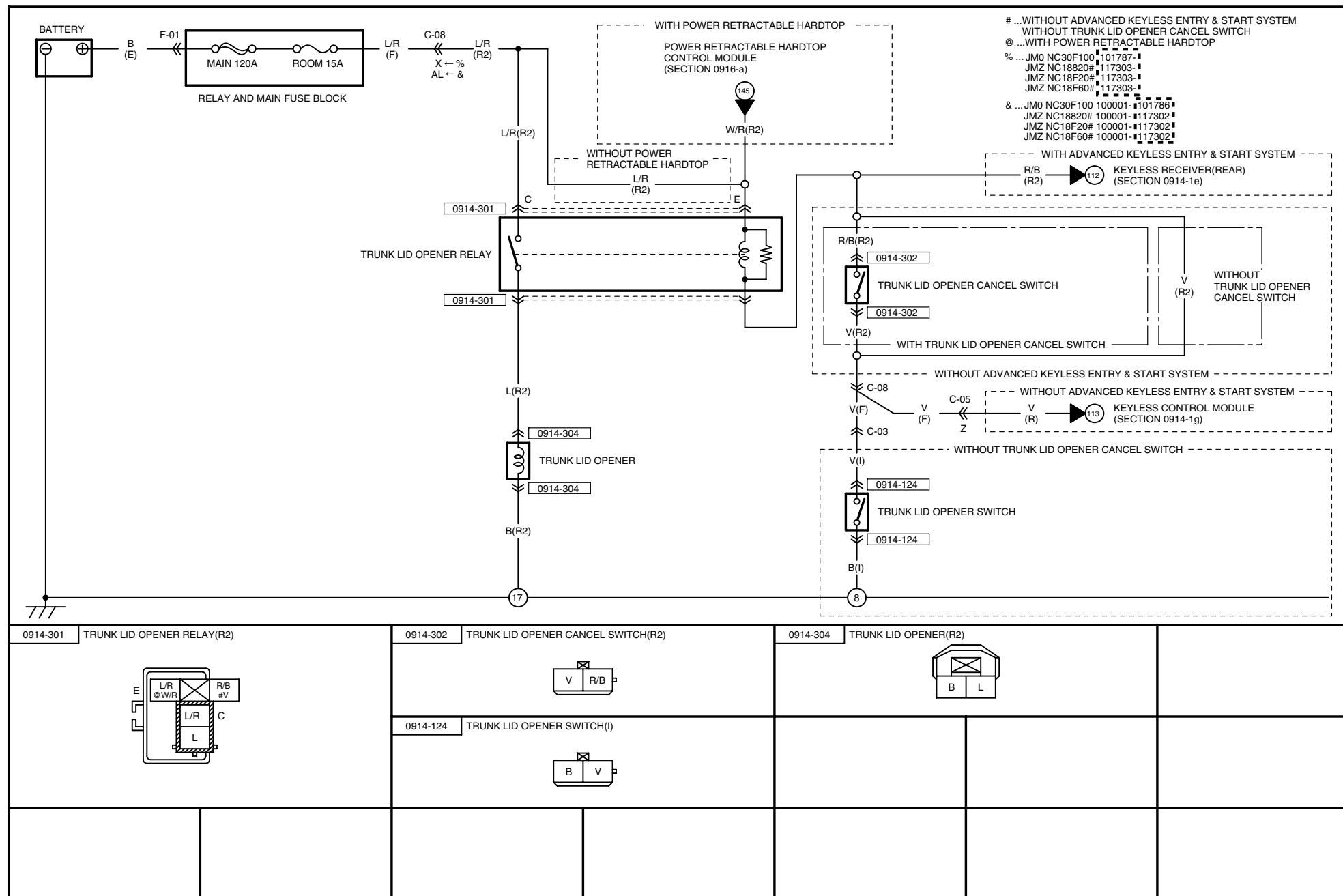
HARNESS SYMBOL: (F) (E) (R)

105

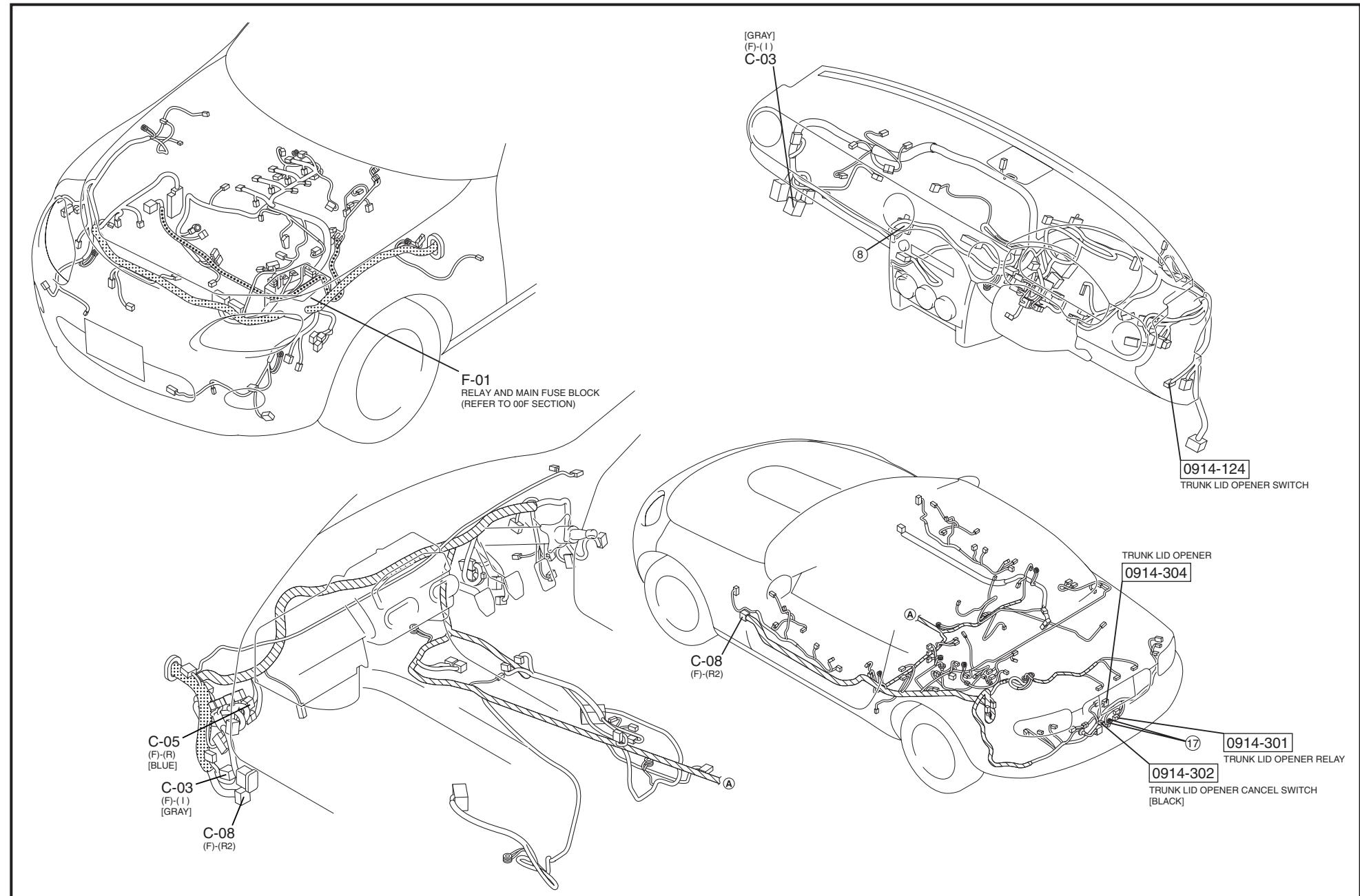


# TRUNK LID OPENER

0914-3

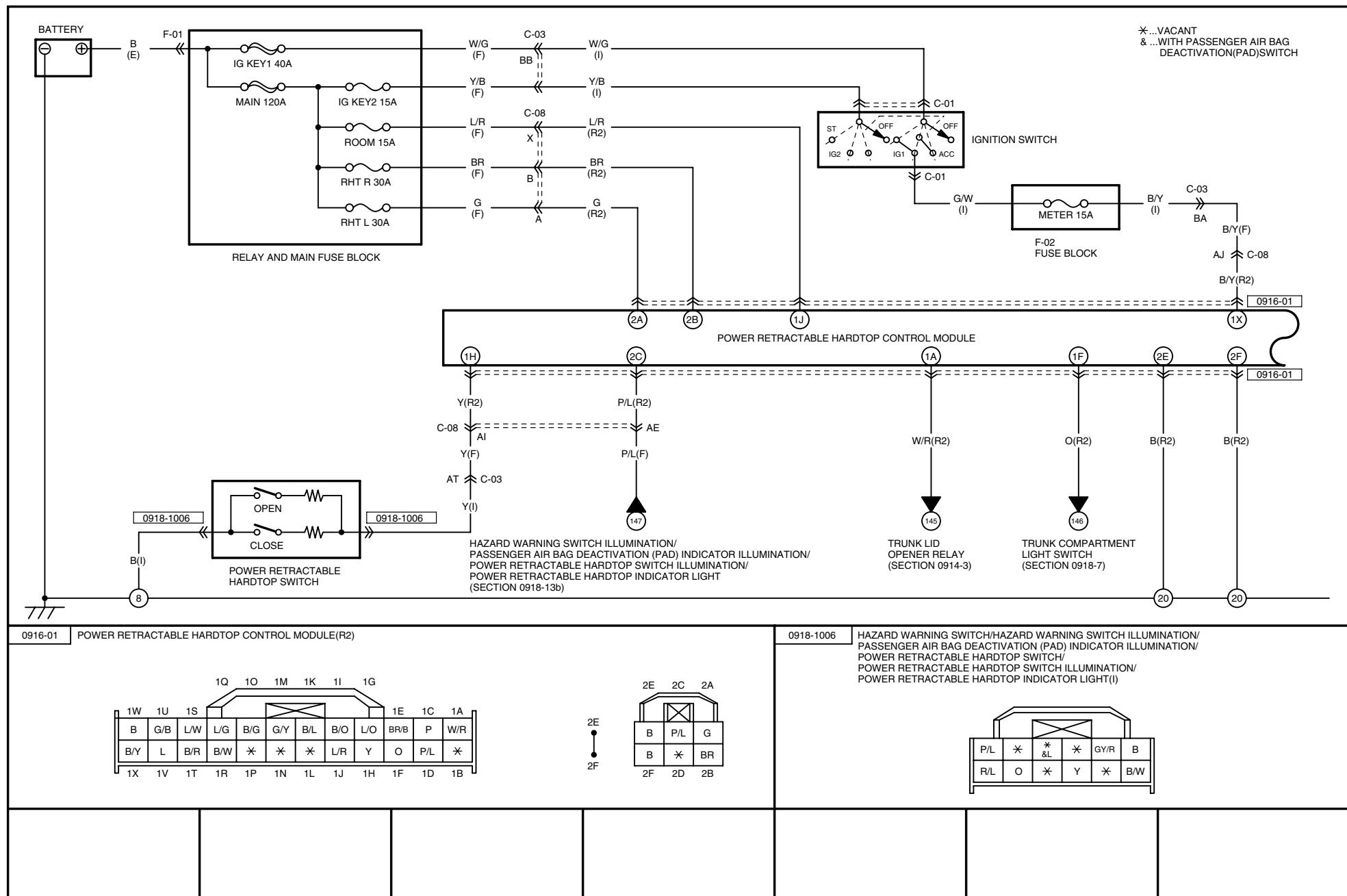


HARNESS SYMBOL: (F) (E) (R)



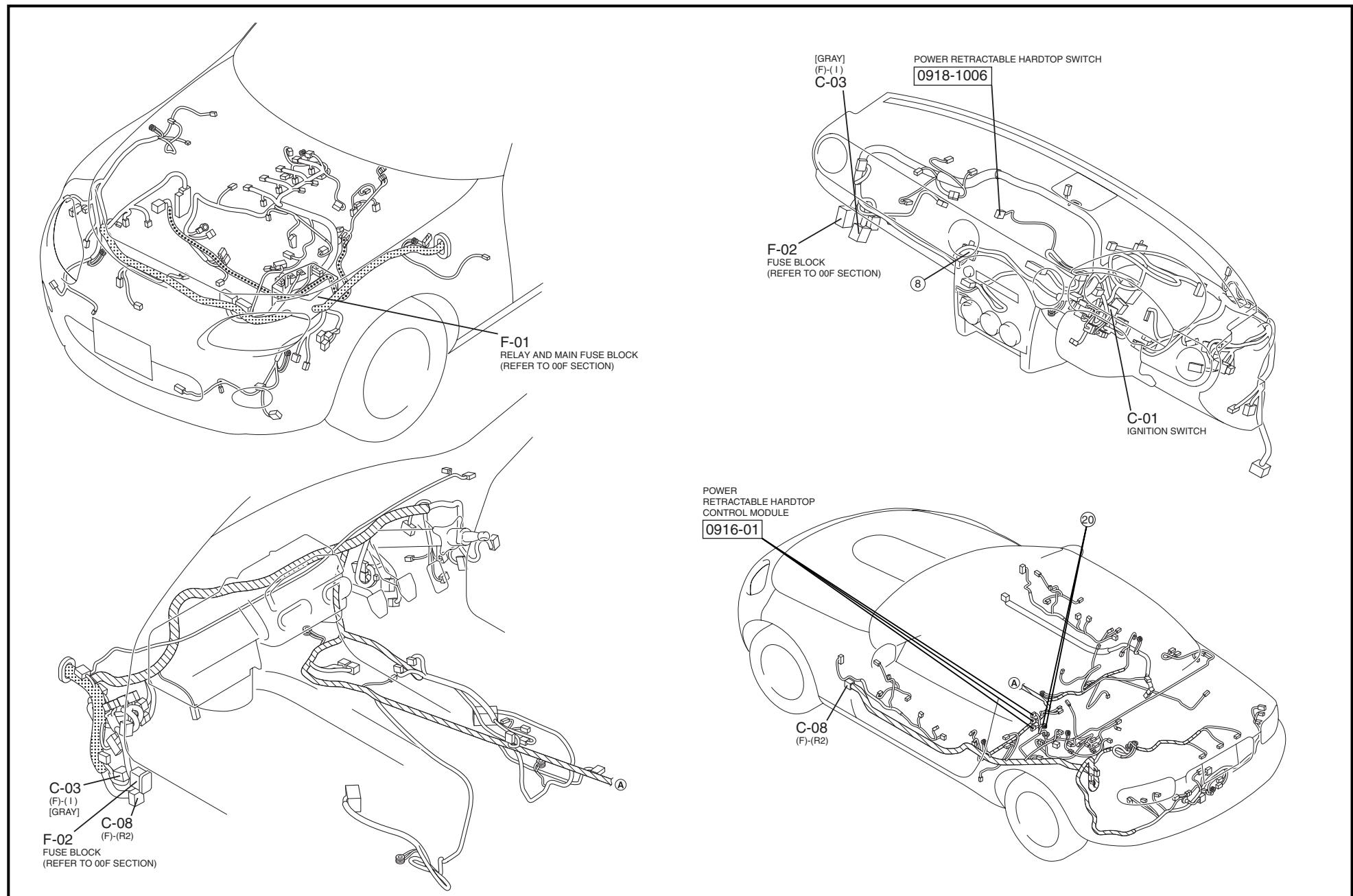
# POWER RETRACTABLE HARDTOP

0916-a



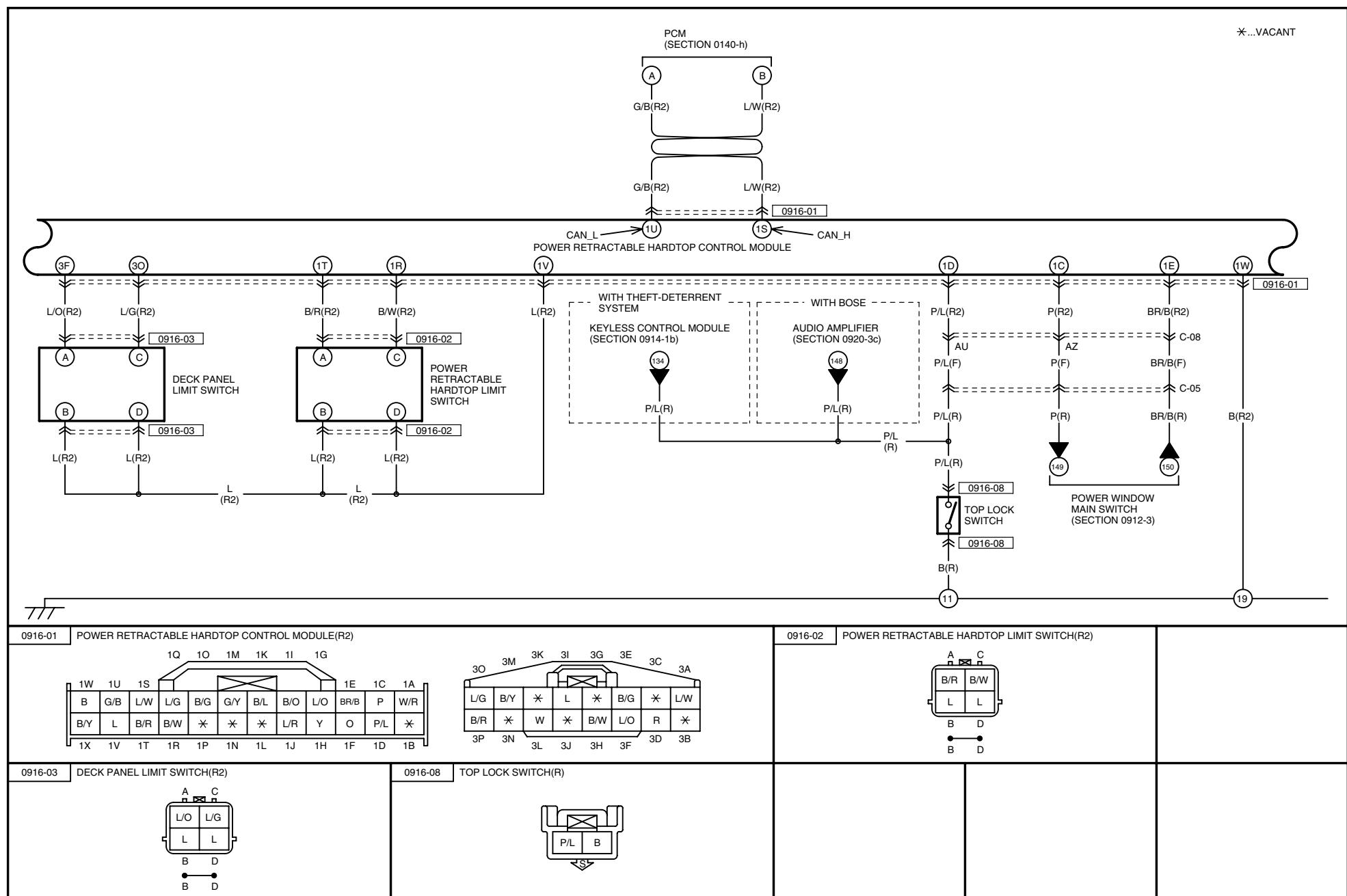
HARNESS SYMBOL: (F) (E) (R)

109

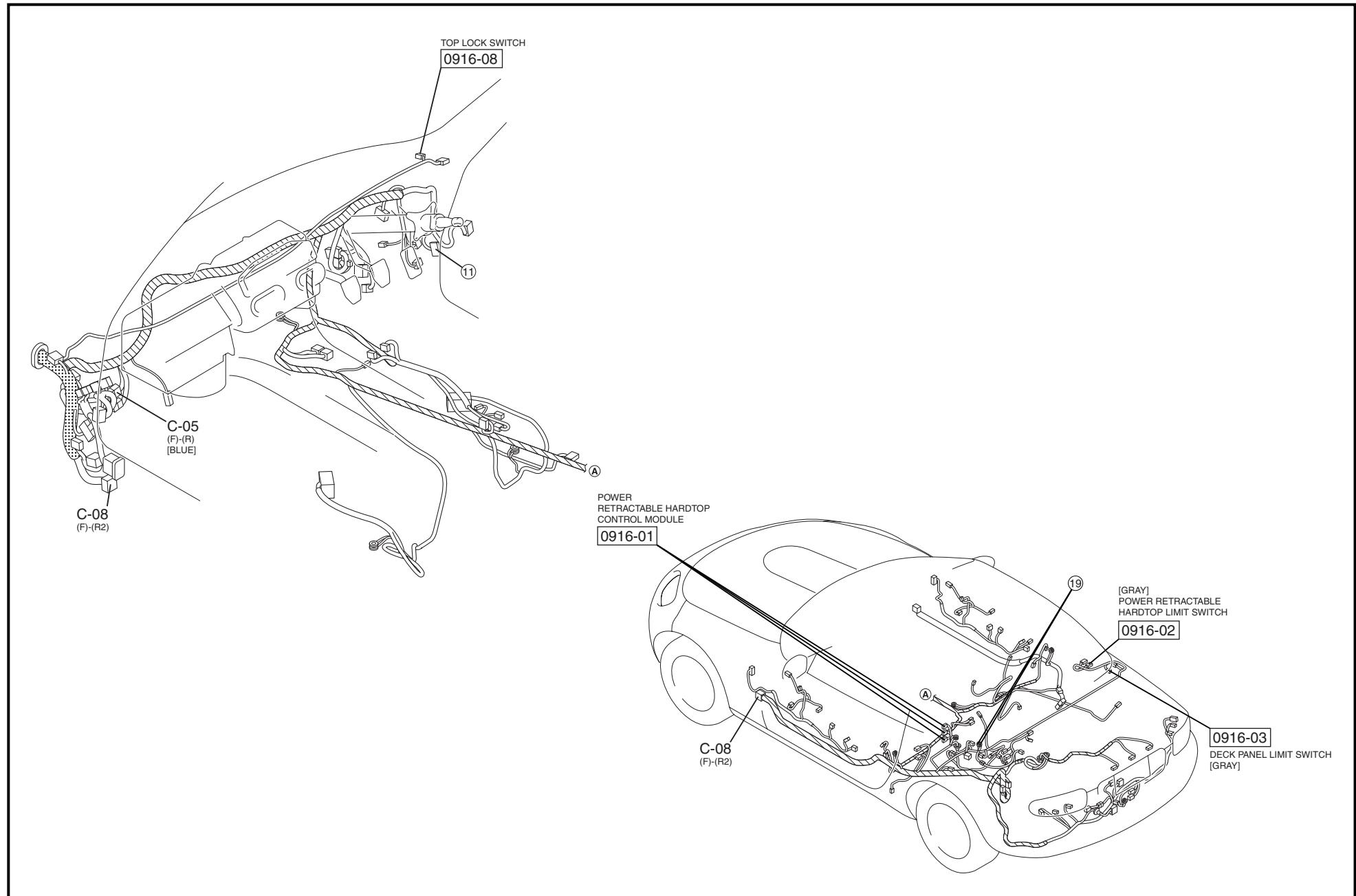


# POWER RETRACTABLE HARDTOP

0916-b



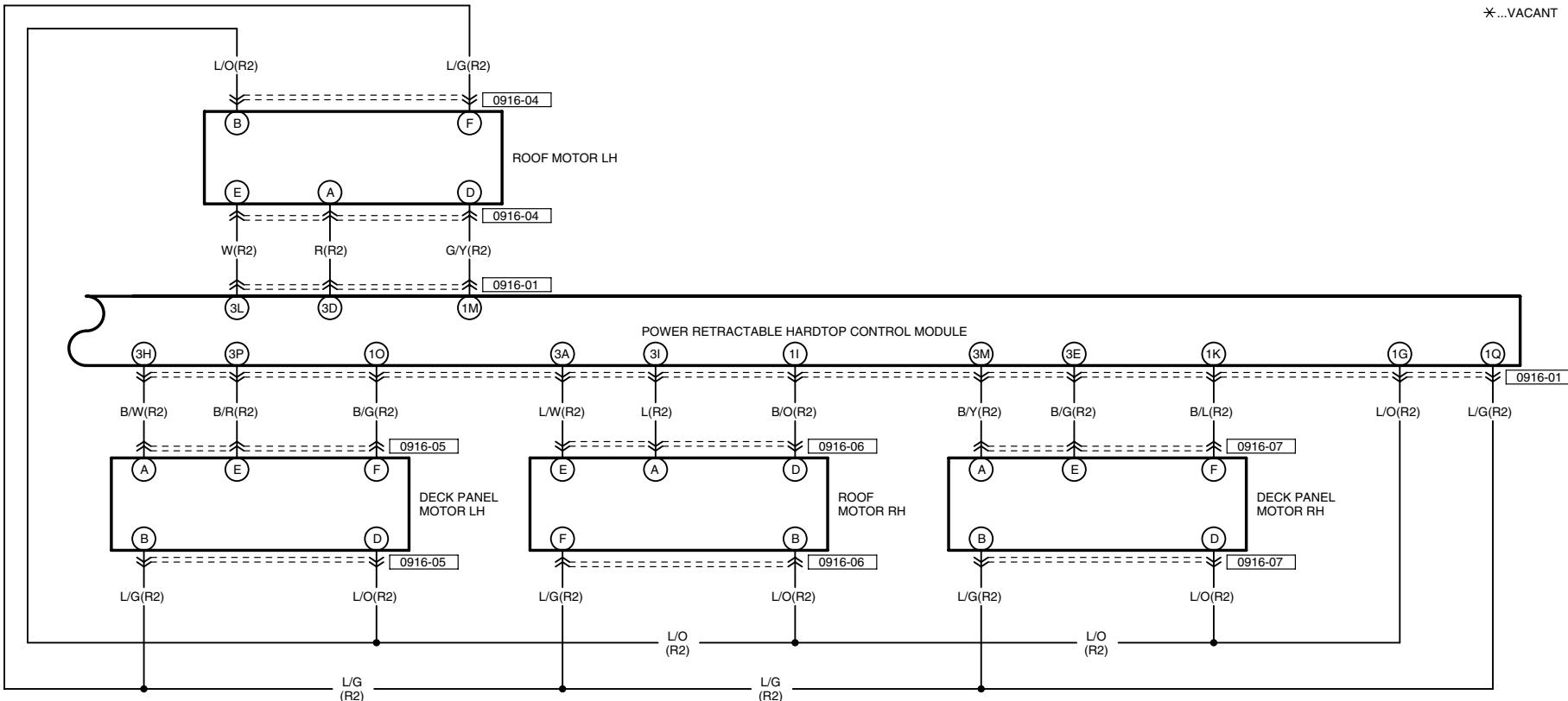
HARNESS SYMBOL:  (F)  (E)  (R)



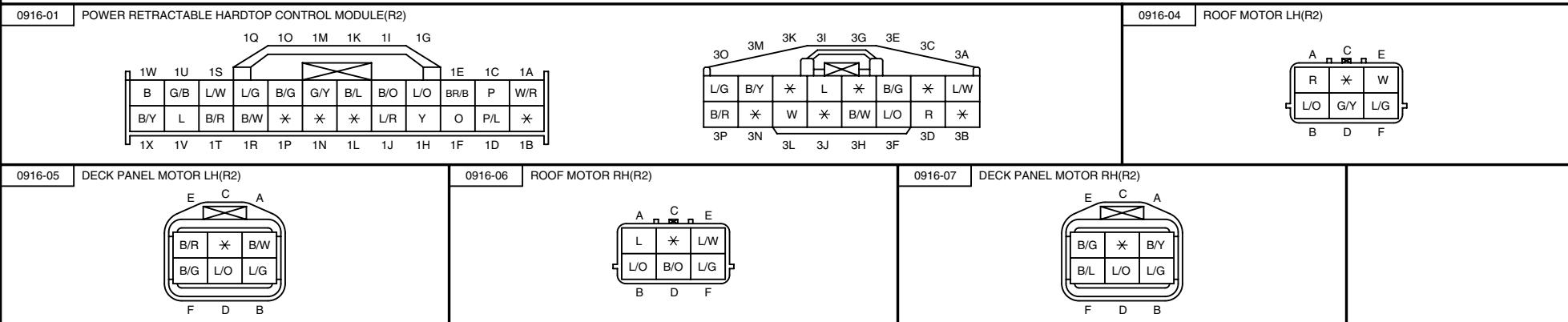
# POWER RETRACTABLE HARDTOP

0916-c

\*...VACANT

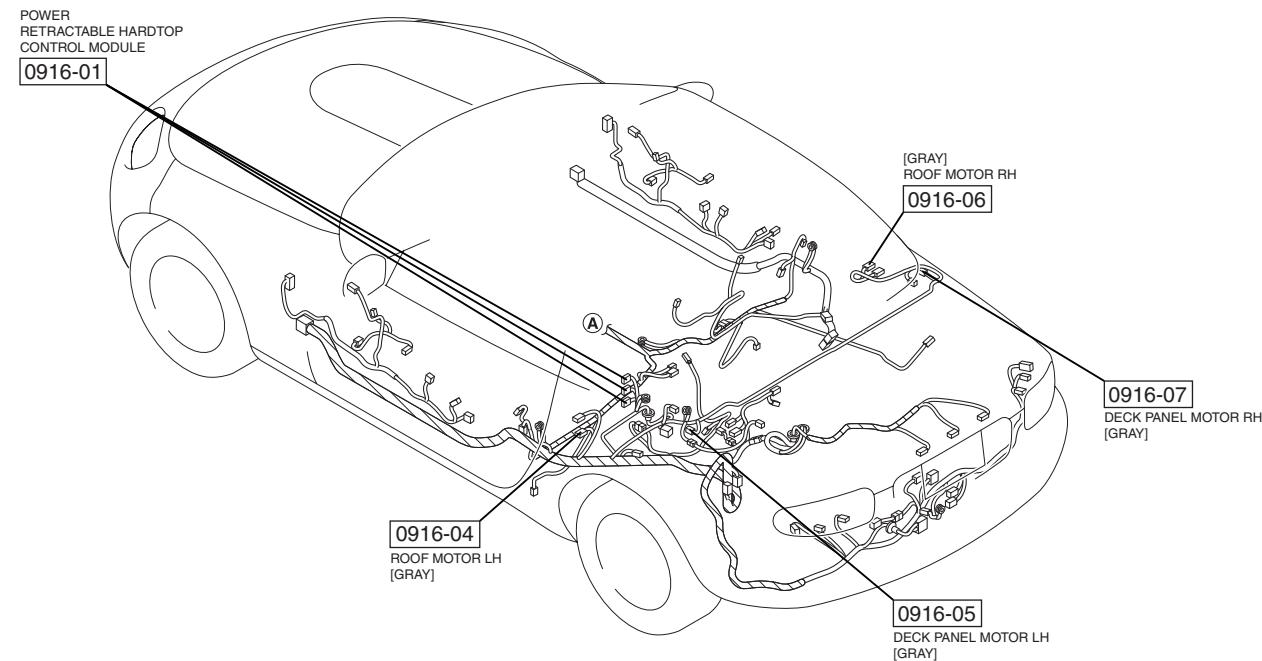


112



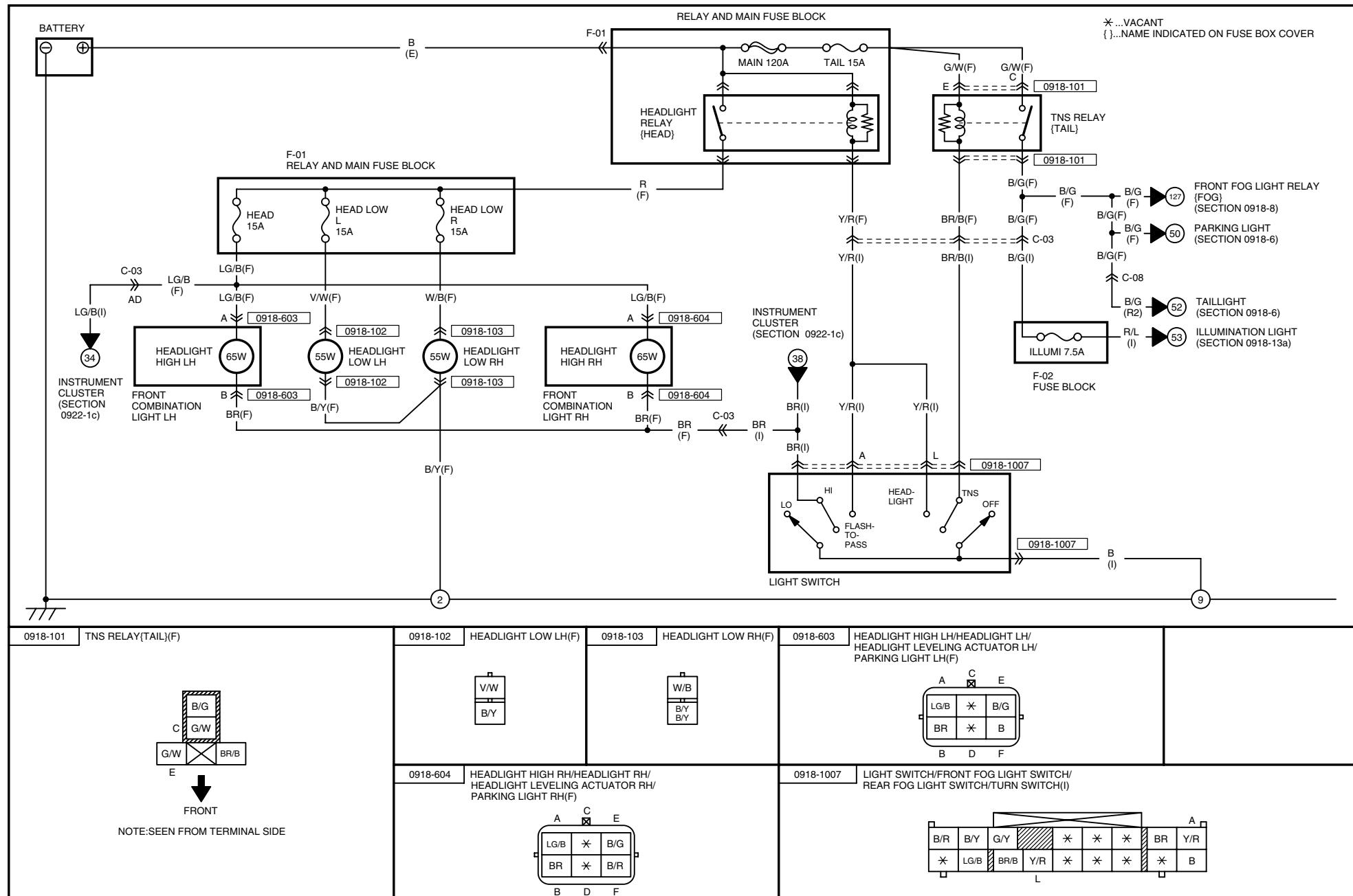
HARNESS SYMBOL: (F) (E) (R)

113

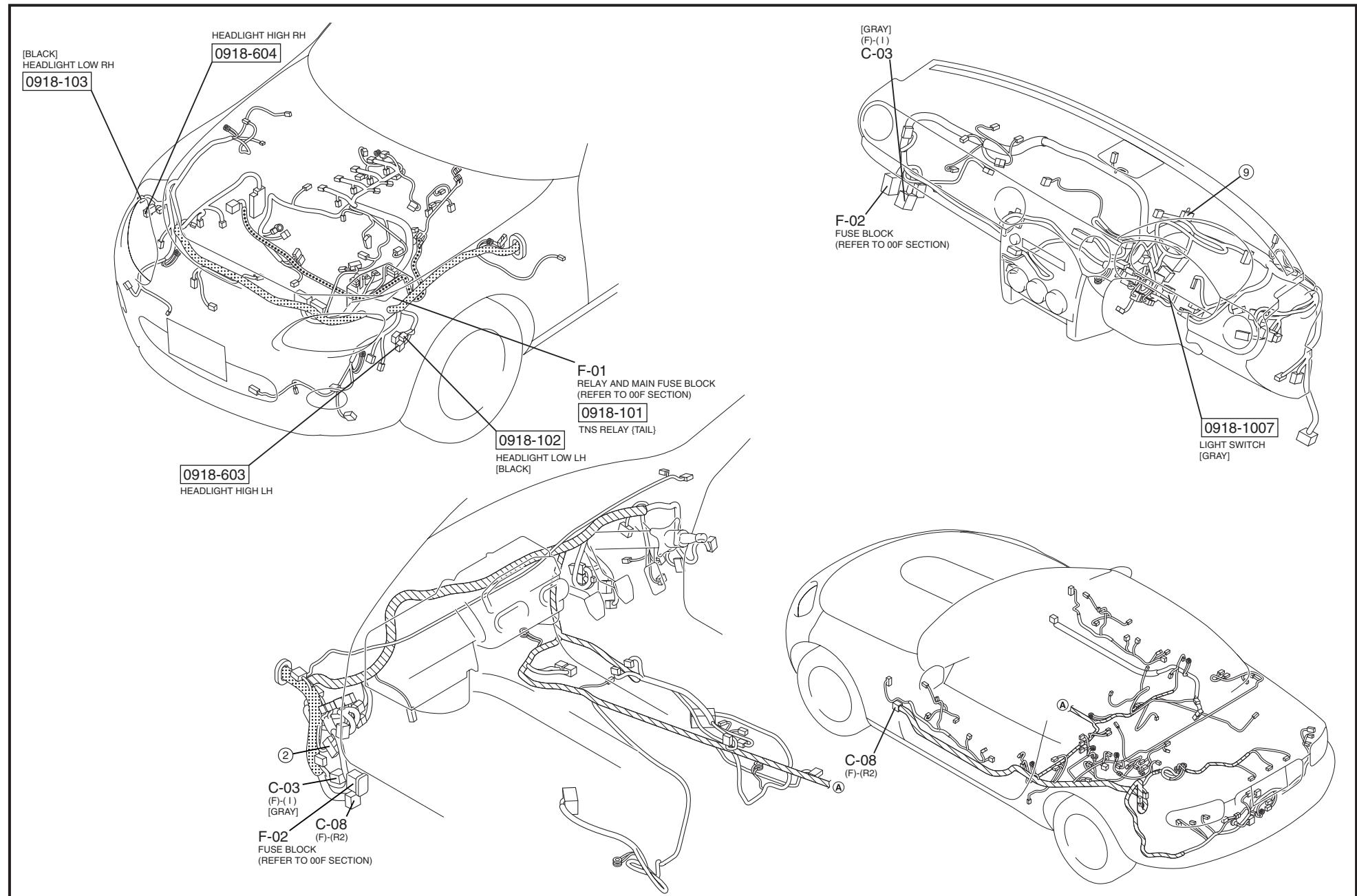


# HEADLIGHT (HALOGEN TYPE WITHOUT HEADLIGHT LEVELING SYSTEM)

0918-1

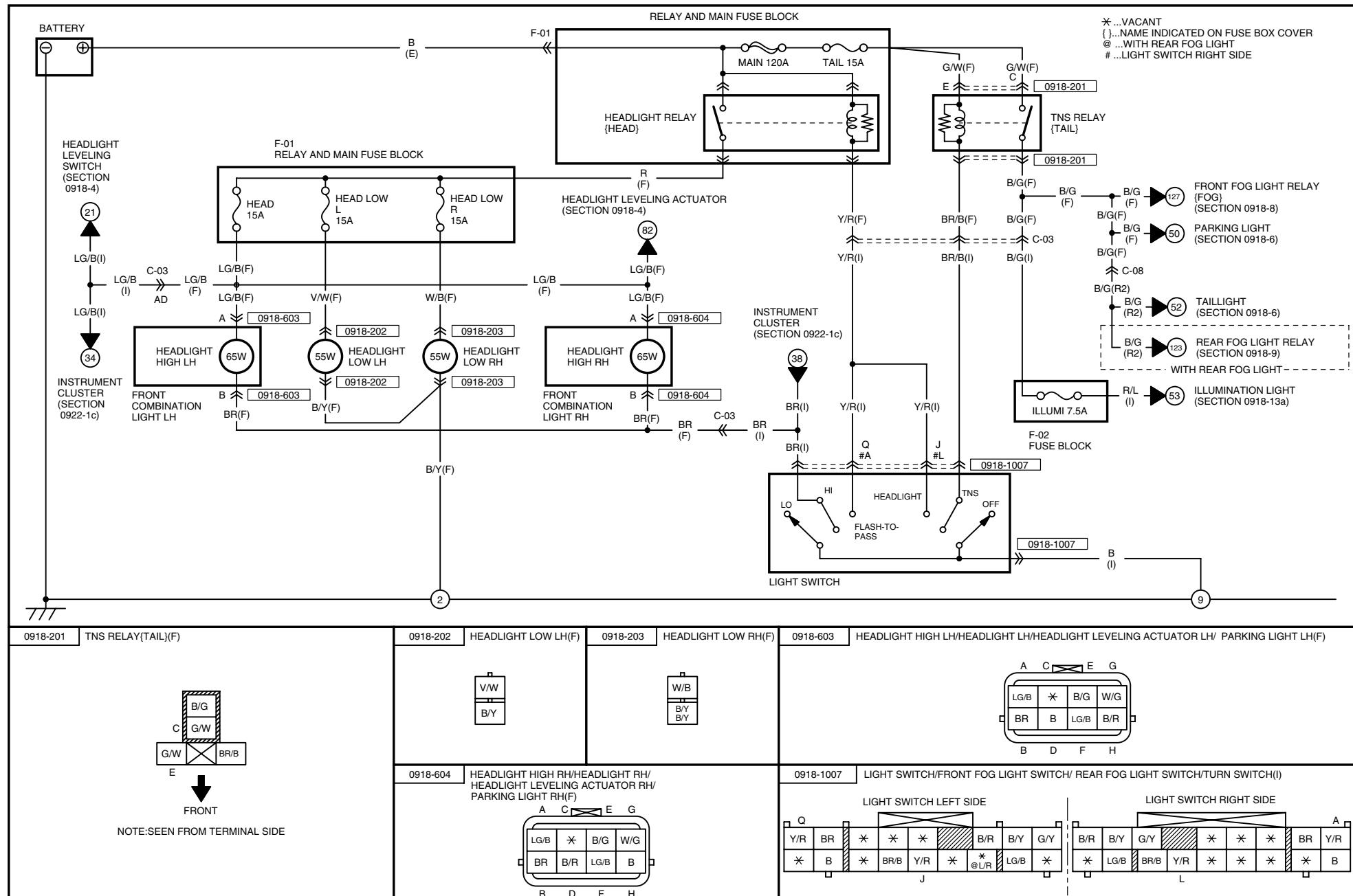


HARNESS SYMBOL: (F) (E) (R)

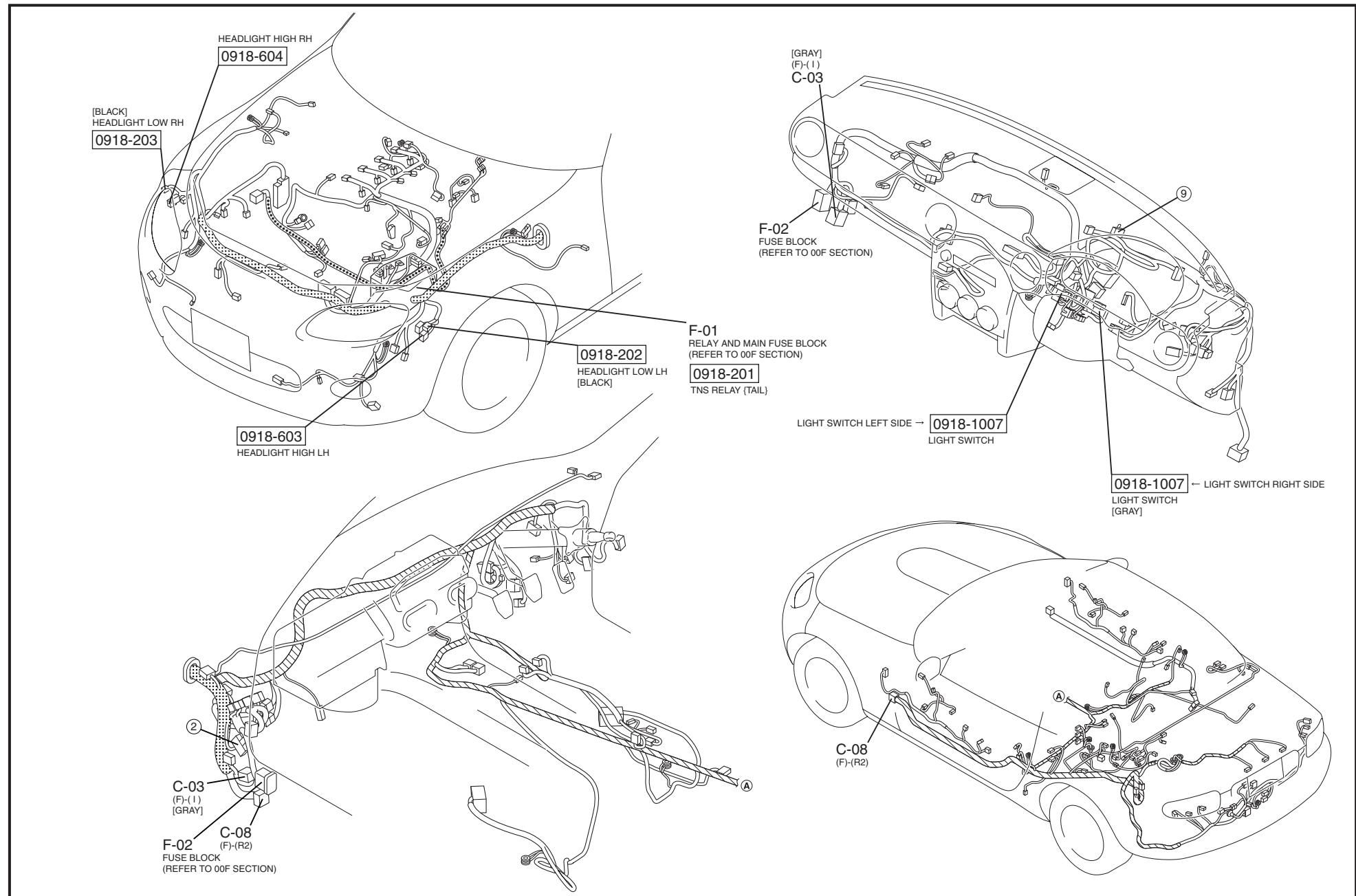


# HEADLIGHT (HALOGEN TYPE WITH HEADLIGHT LEVELING SYSTEM)

0918-2

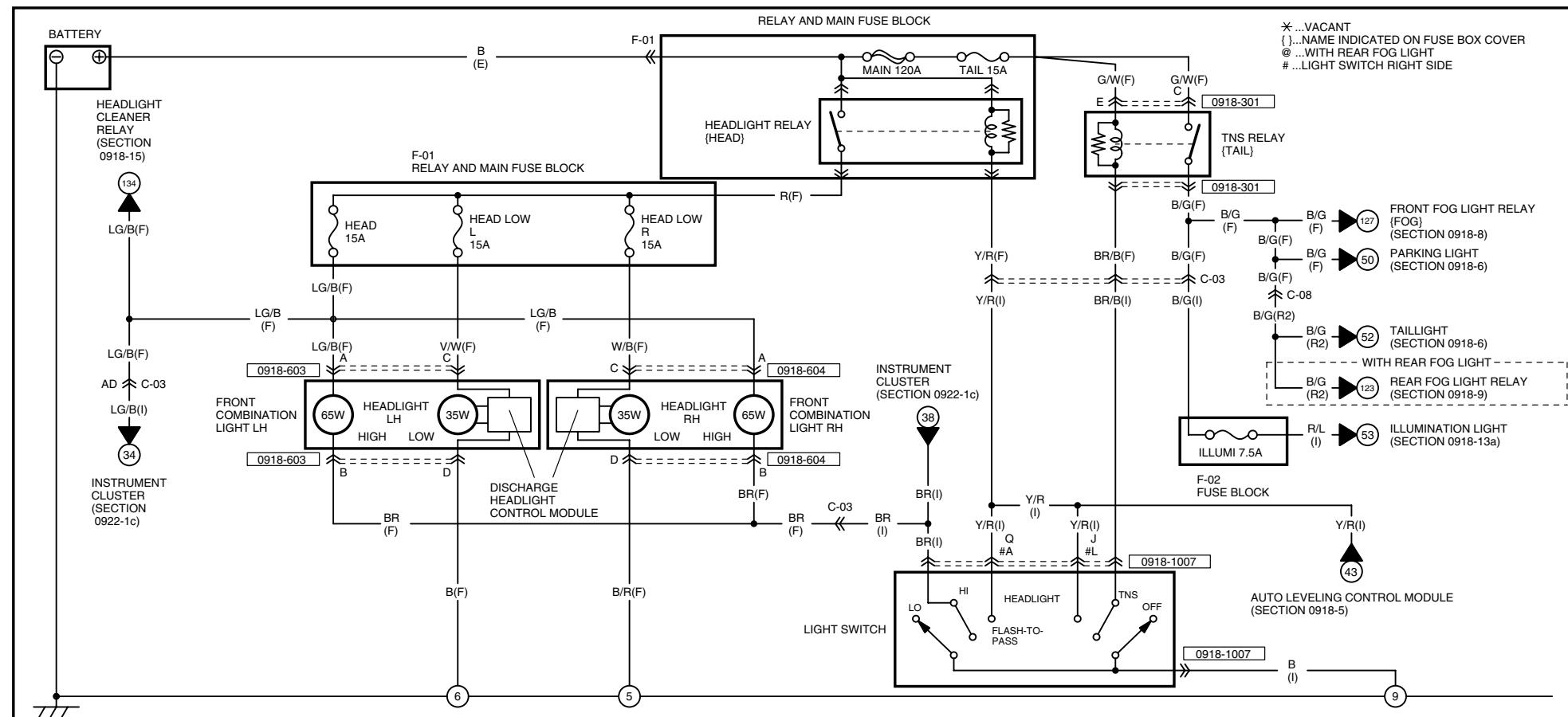


HARNESS SYMBOL: (F) (E) (R)

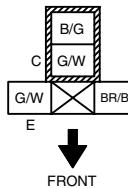


## **HEADLIGHT (DISCHARGE TYPE)**

0918-3

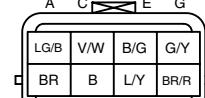


0918-301 TNS RELAY{TAIL}{F}



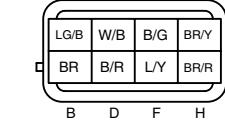
NOTE:SEEN FROM TERMINAL SIDE

0918-603 HEADLIGHT HIGH LH/HEADLIGHT LH/  
HEADLIGHT LEVELING ACTUATOR LH  
PARKING LIGHT LH(F)

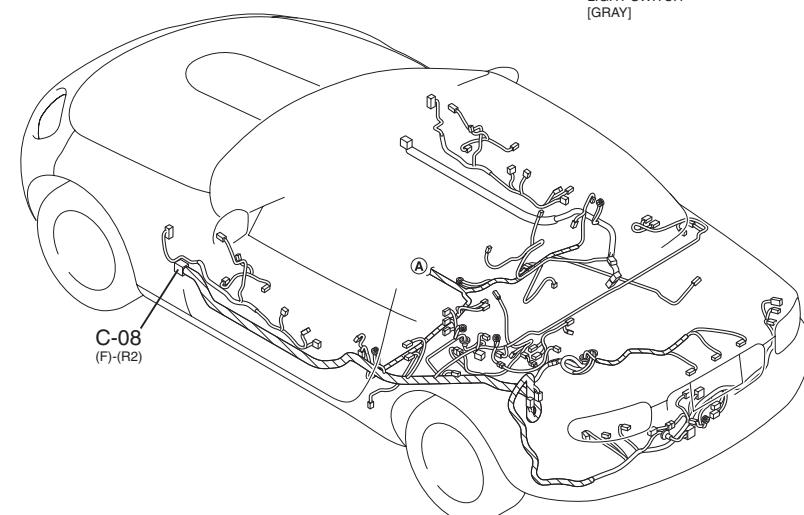
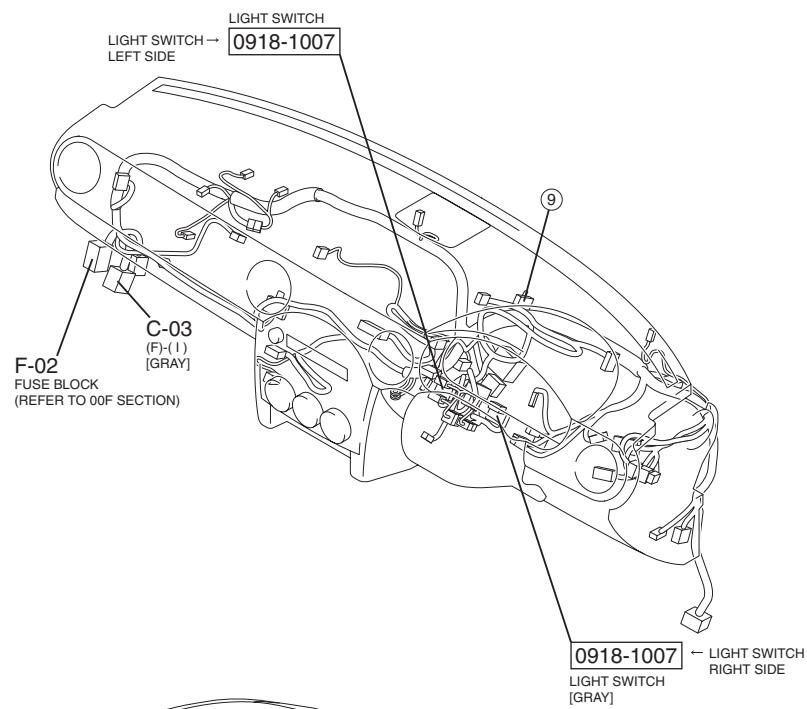
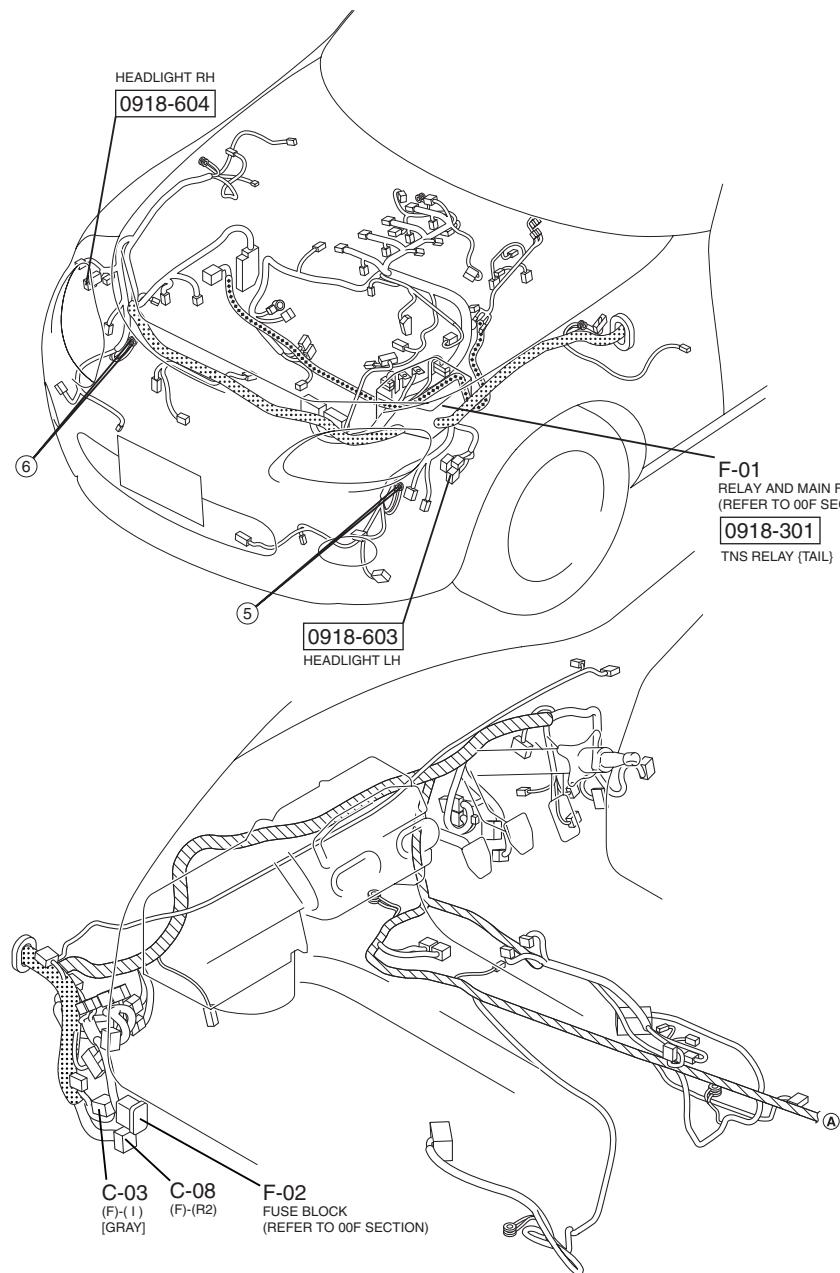


0918-1007 LIGHT SWITCH/FRONT FOG LIGHT SWITCH/REAR FOG LIGHT SWITCH/TURN SWITCH

0918-604	HEADLIGHT HIGH RH/HEADLIGHT RH/ HEADLIGHT LEVELING ACTUATOR RH/ PARKING LIGHT RH(F)
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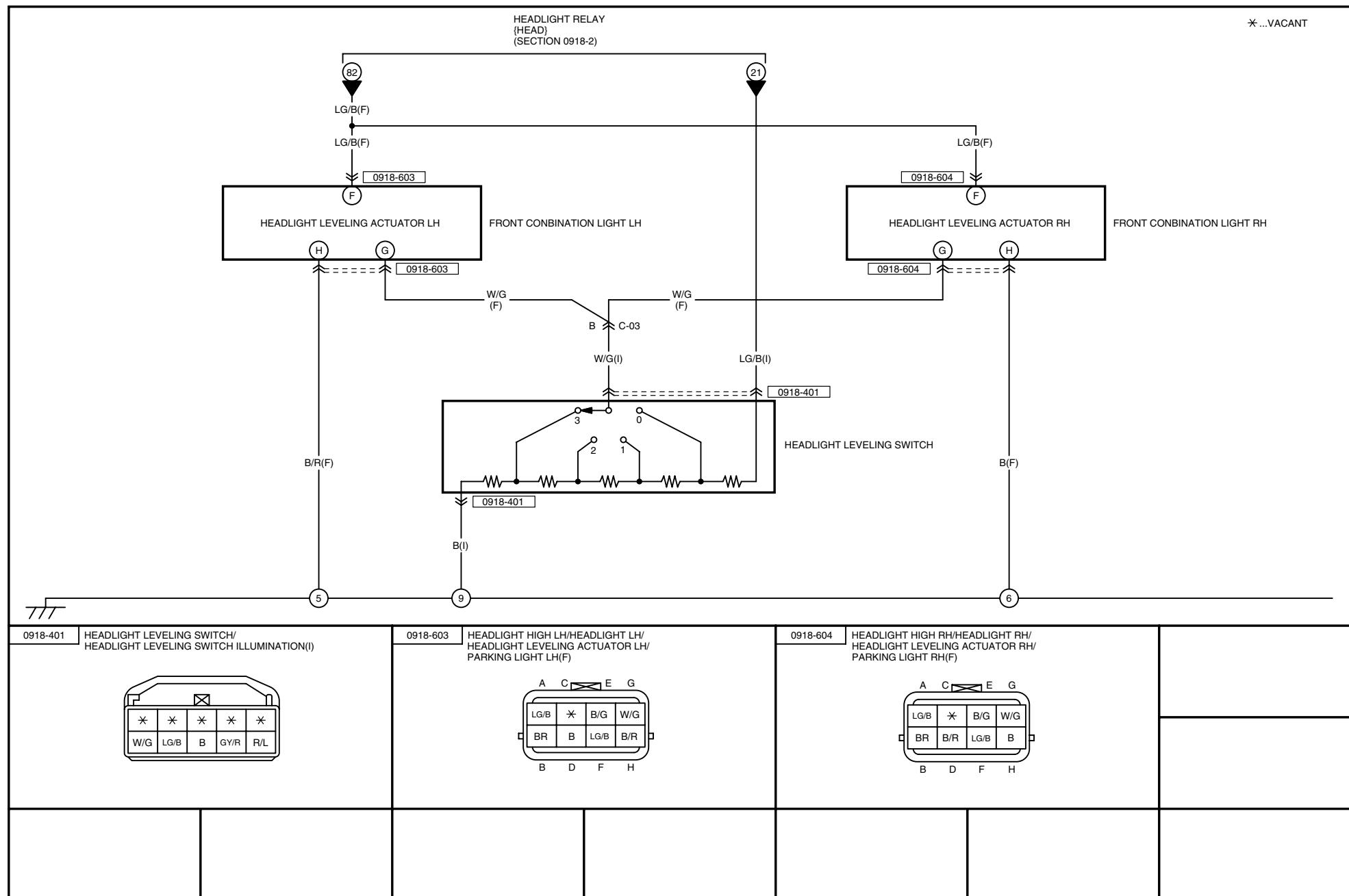


HARNESS SYMBOL: (F) (E) (R)

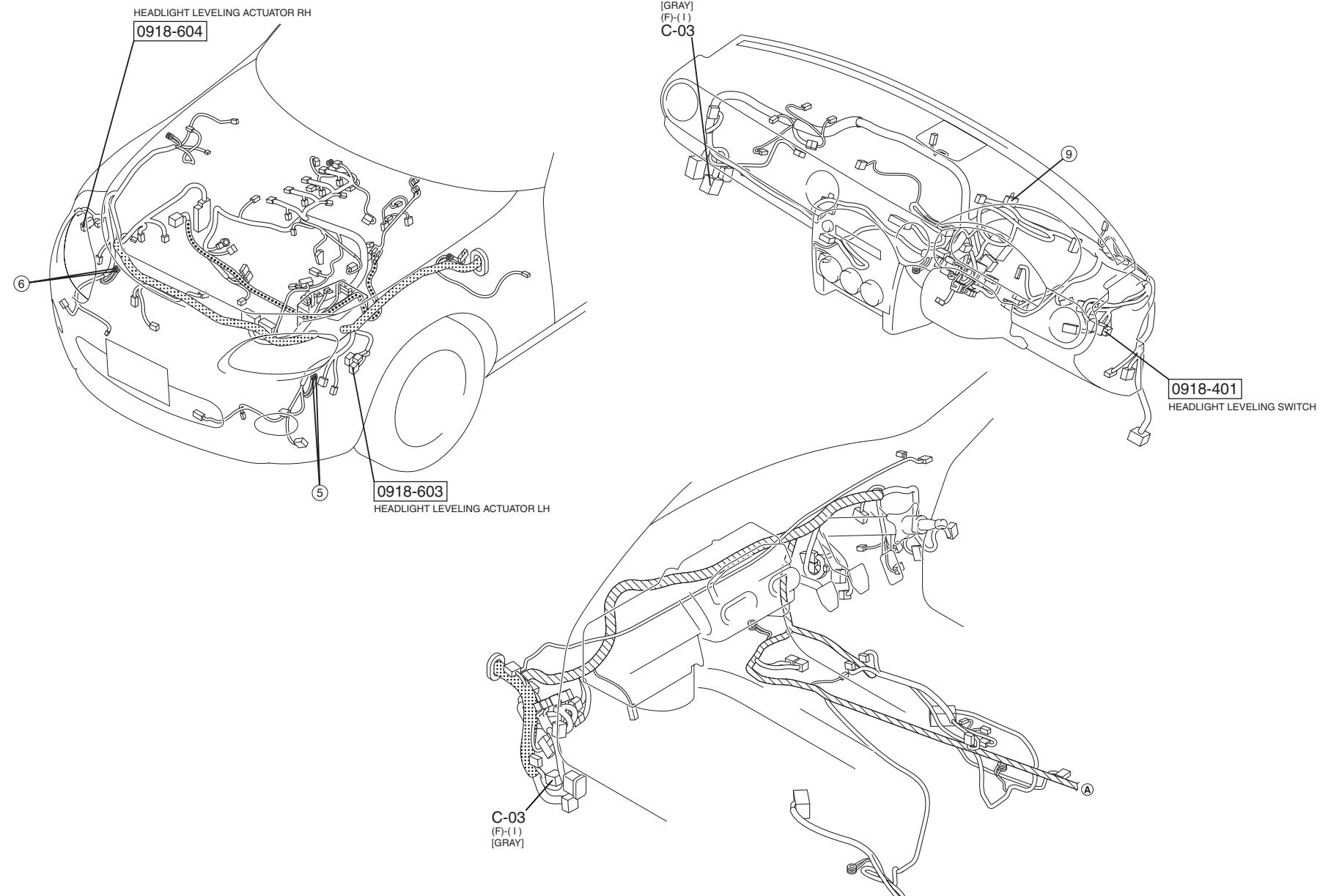


# HEADLIGHT MANUAL LEVELING SYSTEM

0918-4

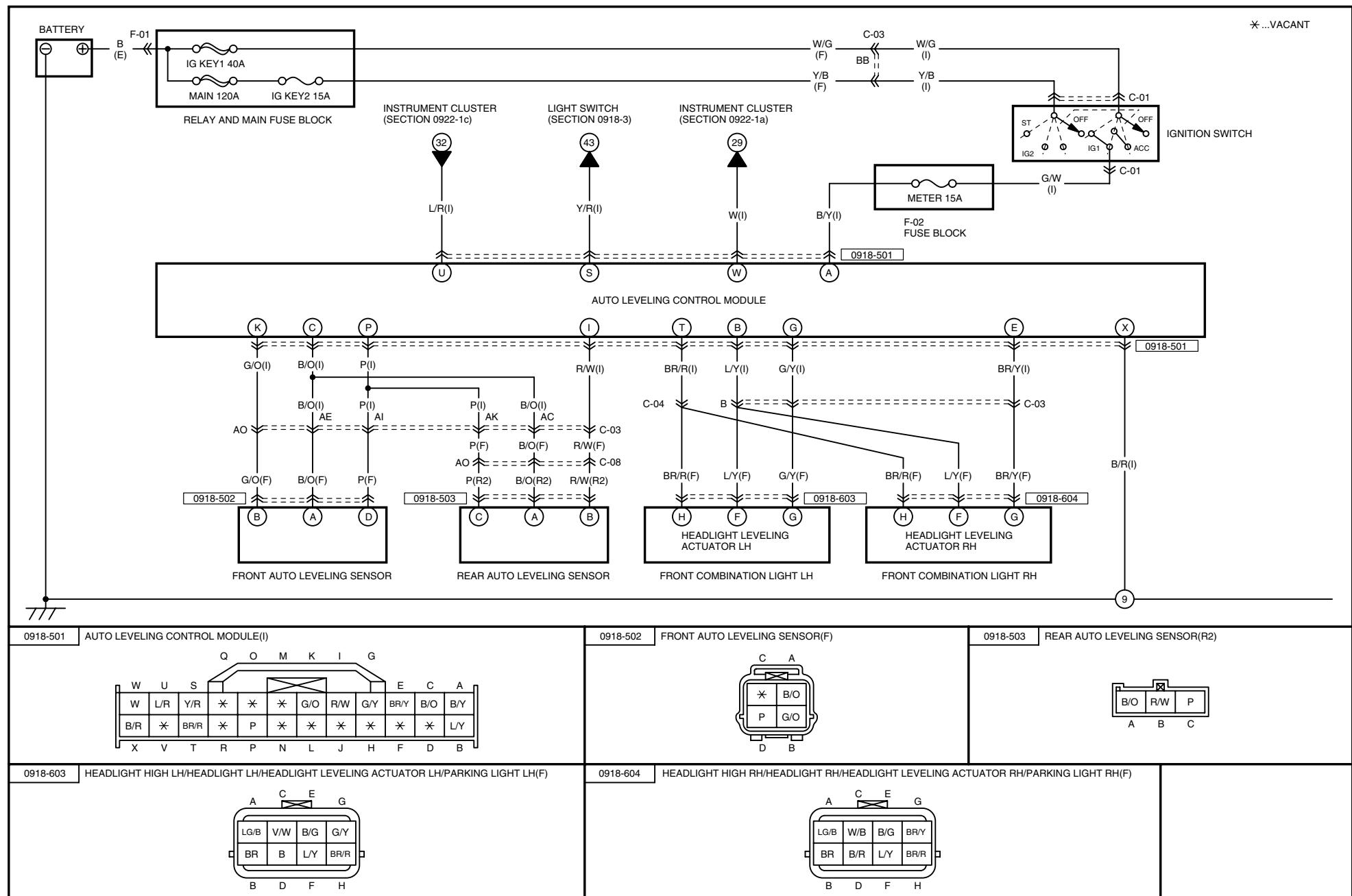


HARNESS SYMBOL: (F) (E) (R)



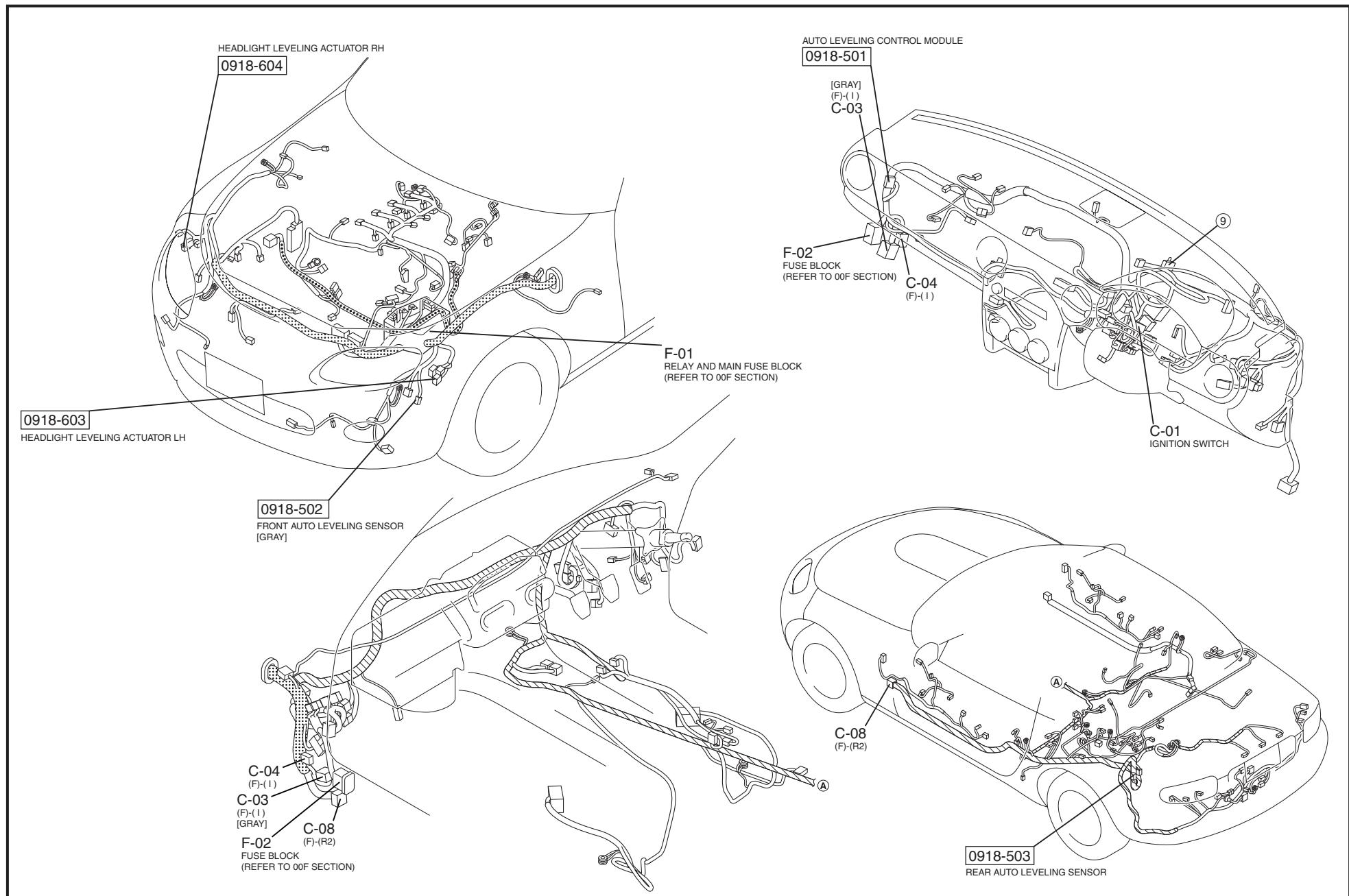
# HEADLIGHT AUTO LEVELING SYSTEM

0918-5



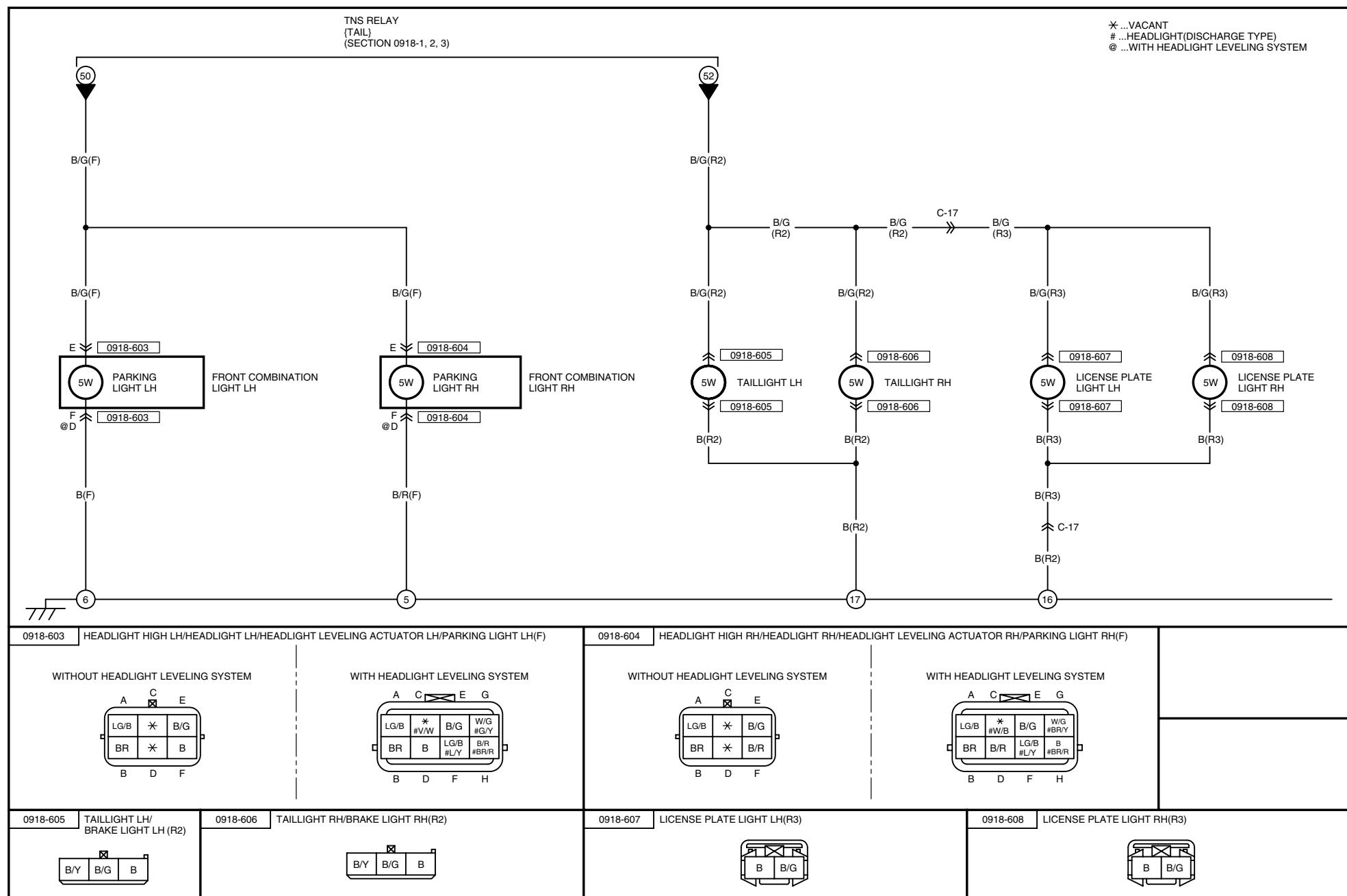
HARNESS SYMBOL: (F) (E) (R)

123

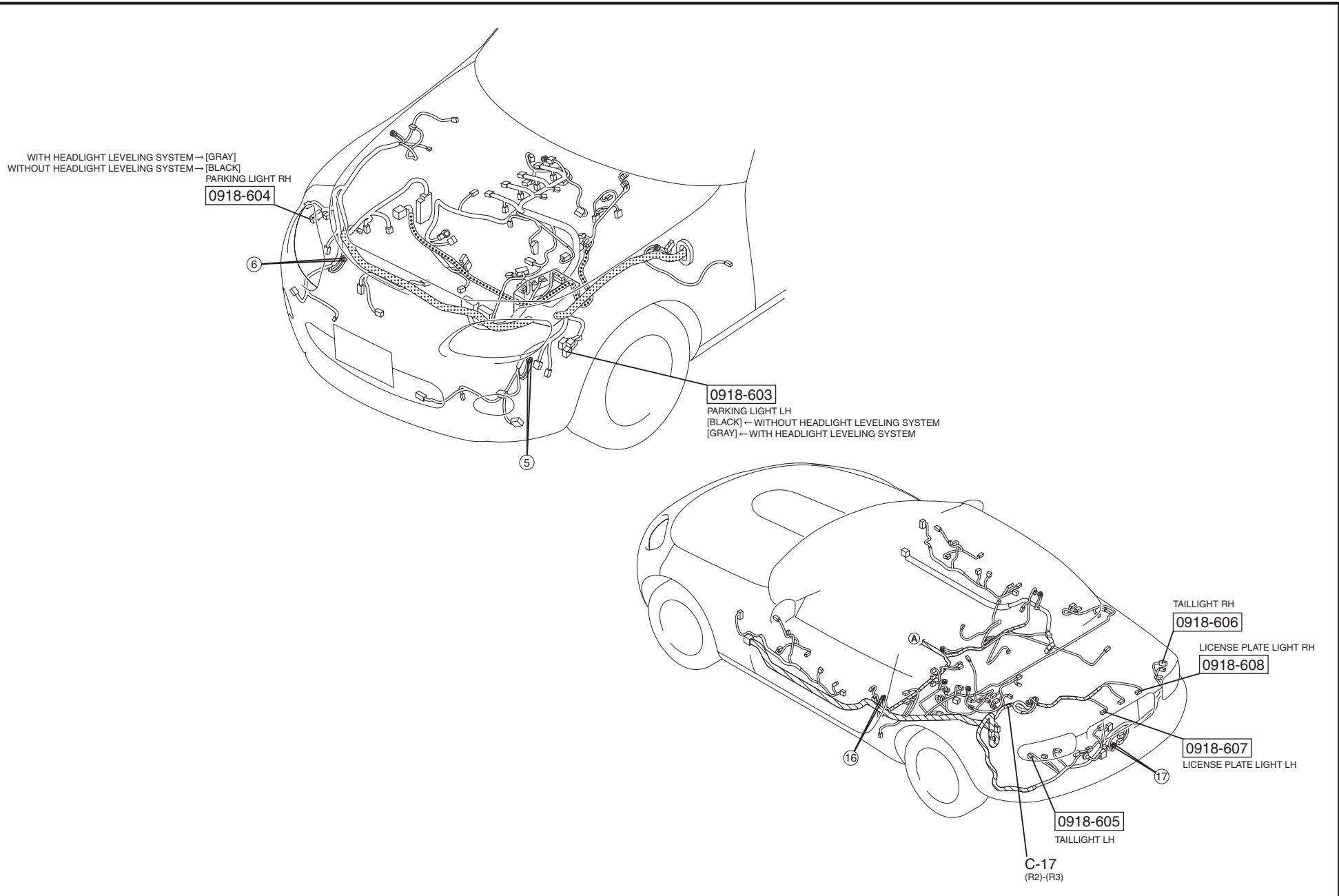


# LICENSE PLATE LIGHT / PARKING LIGHT / TAILLIGHT

0918-6

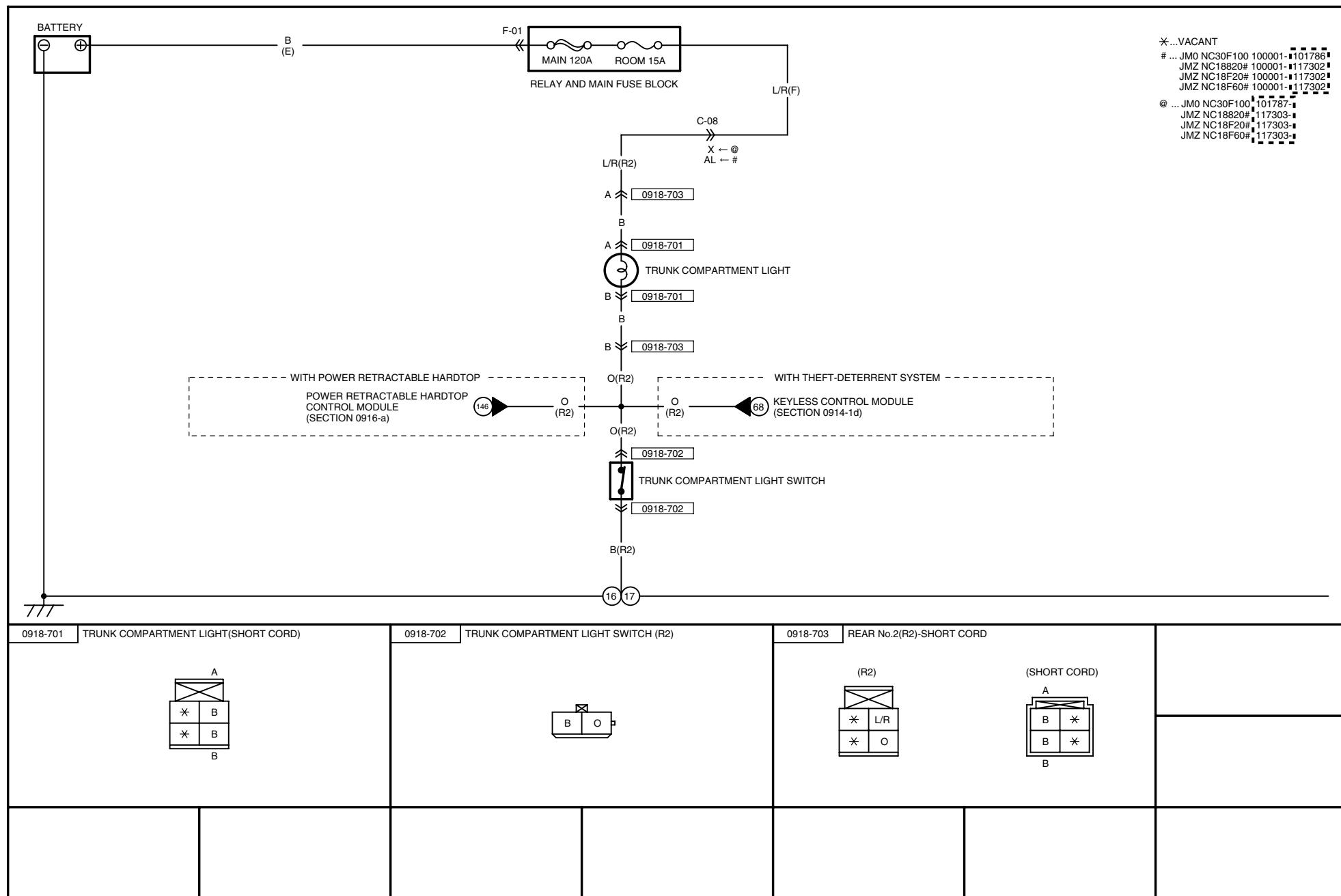


HARNESS SYMBOL: (F) (E) (R)

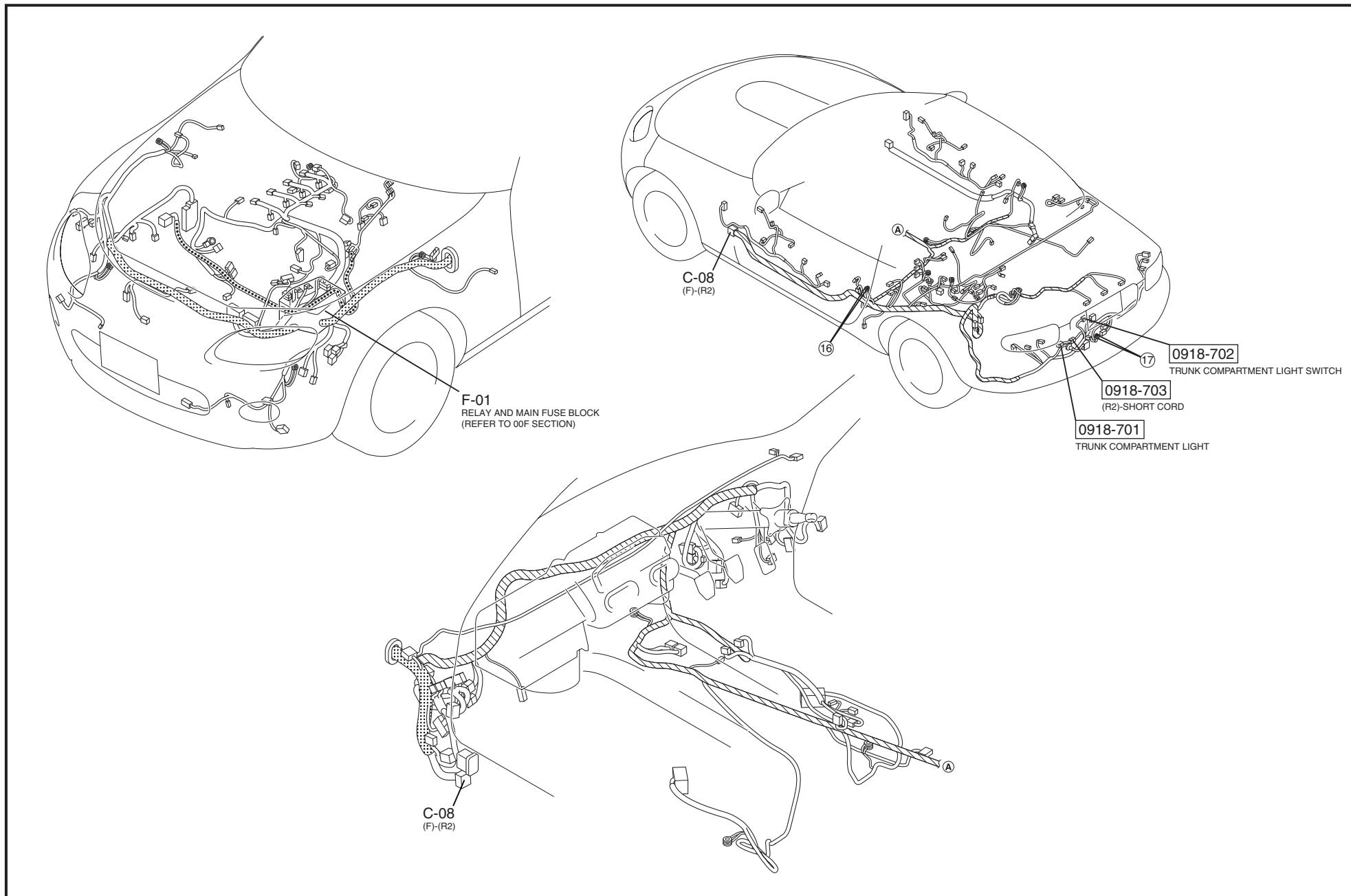


# TRUNK COMPARTMENT LIGHT

0918-7

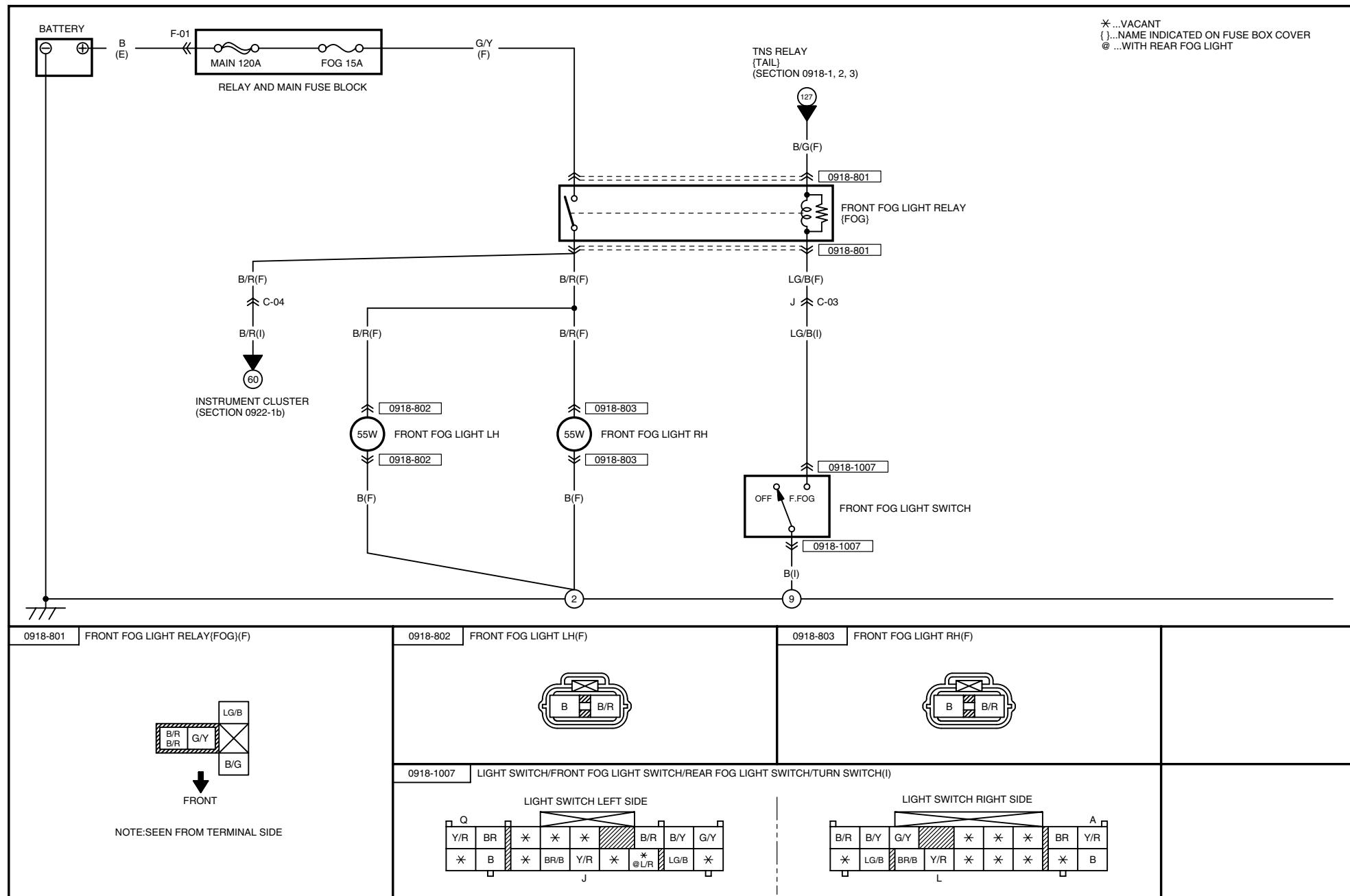


HARNESS SYMBOL: (F) (E) (R)

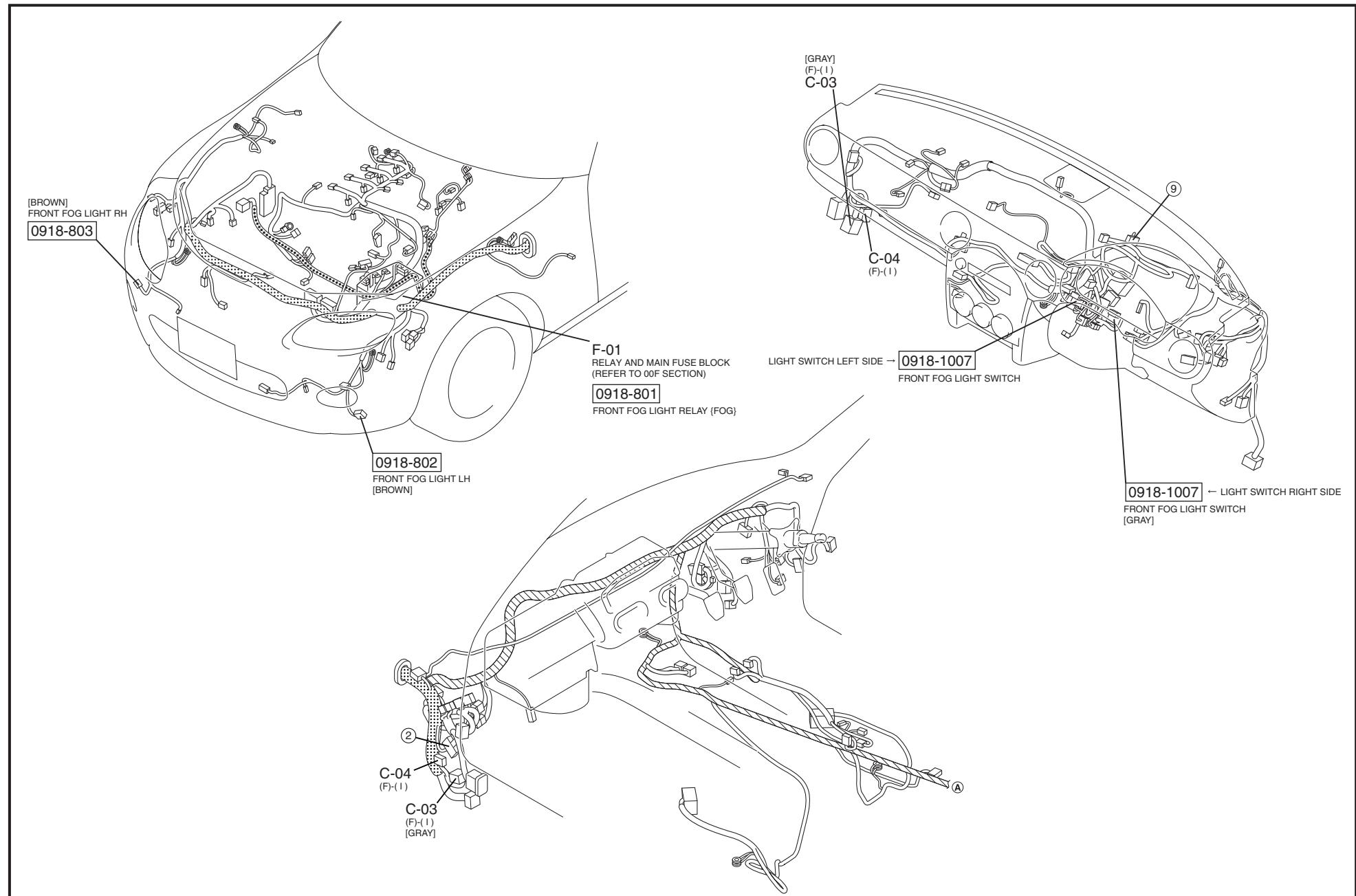


# FRONT FOG LIGHT

0918-8

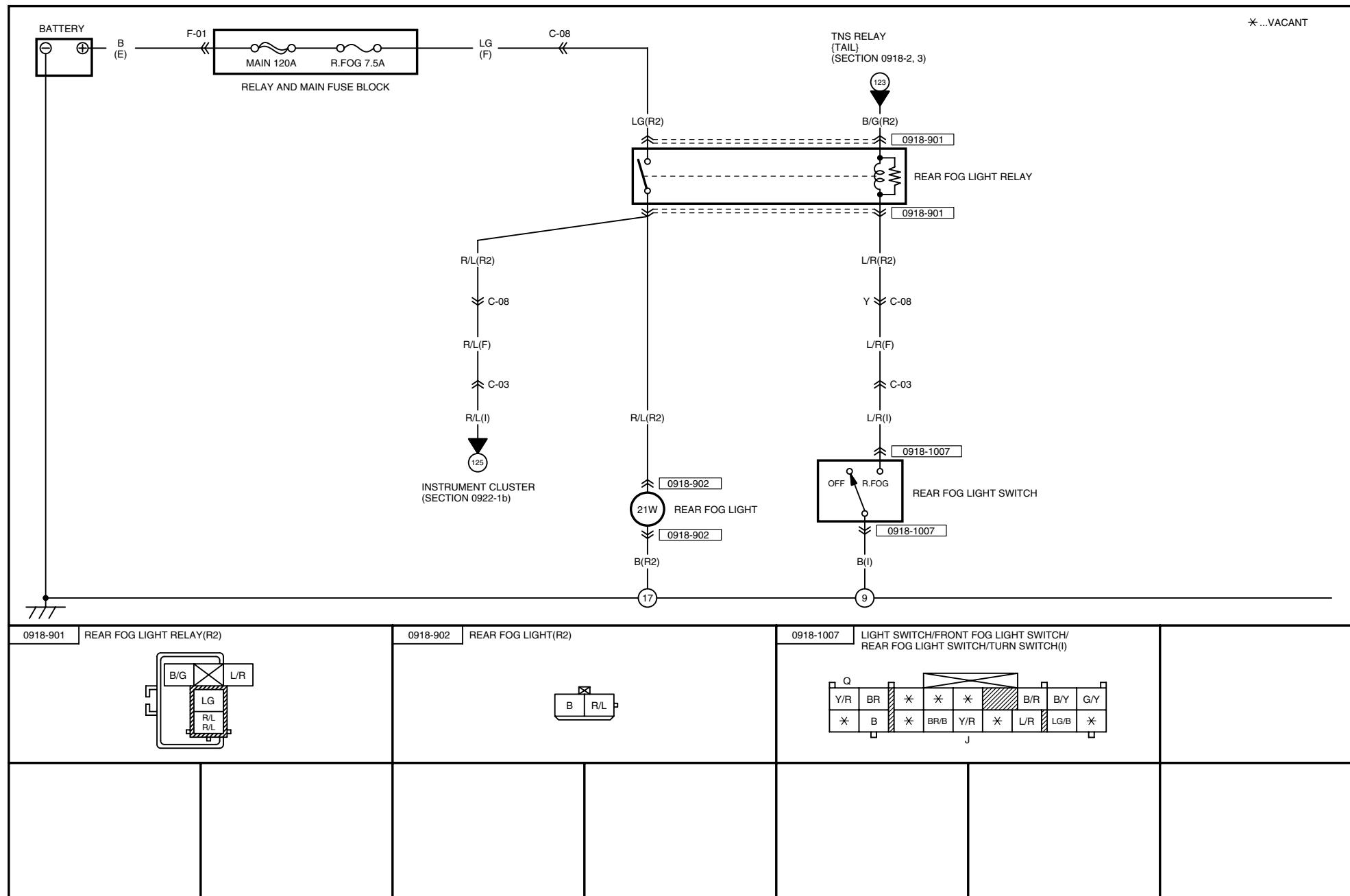


HARNESS SYMBOL: (F) (E) (R)



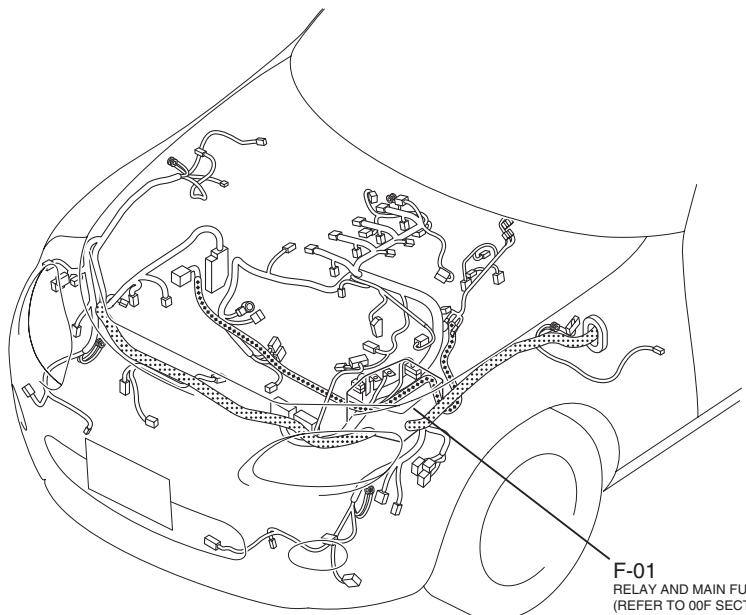
# REAR FOG LIGHT

0918-9

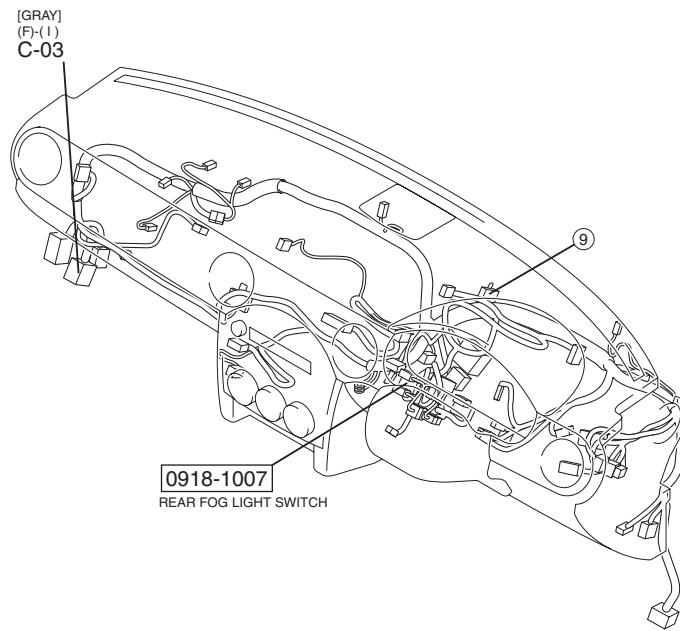


HARNESS SYMBOL: [Dotted] (F) [Diamond] (E) [Hatched] (R)

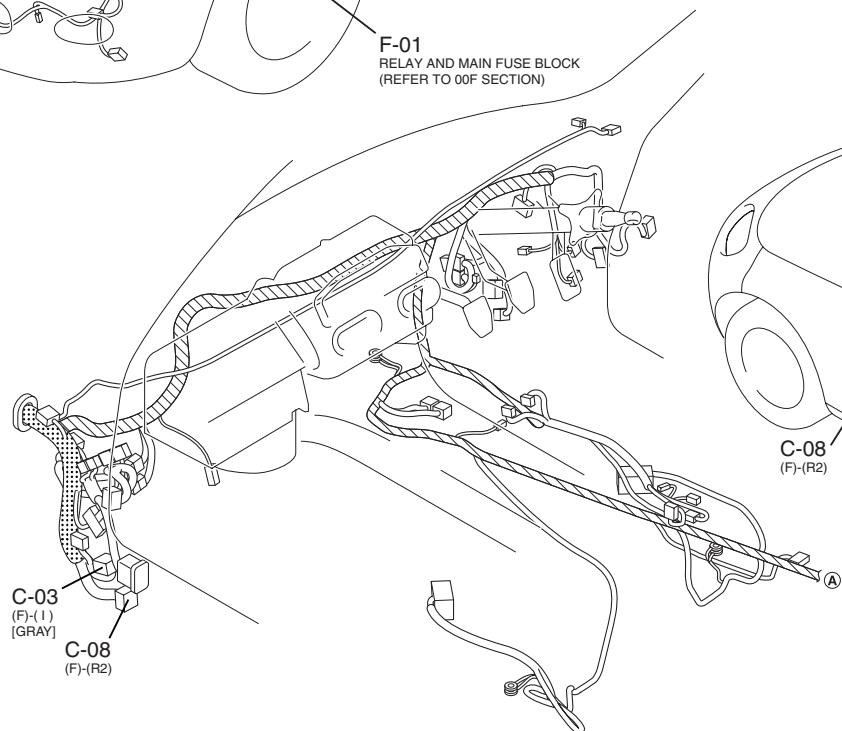
131



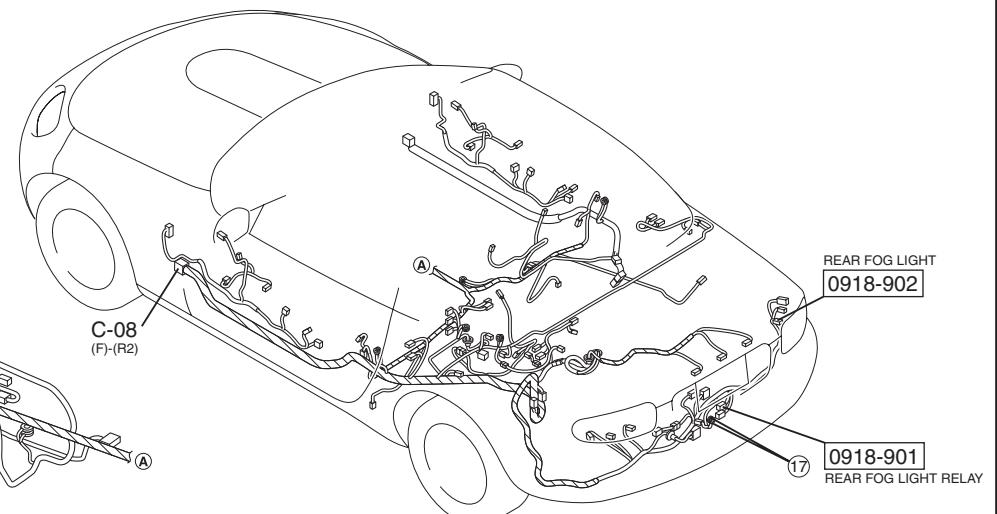
F-01  
RELAY AND MAIN FUSE BLOCK  
(REFER TO 00F SECTION)



[GRAY]  
(F)-(I)  
C-03  
0918-1007  
REAR FOG LIGHT SWITCH



C-03  
(F)-(I)  
[GRAY]  
C-08  
(F)-(R2)



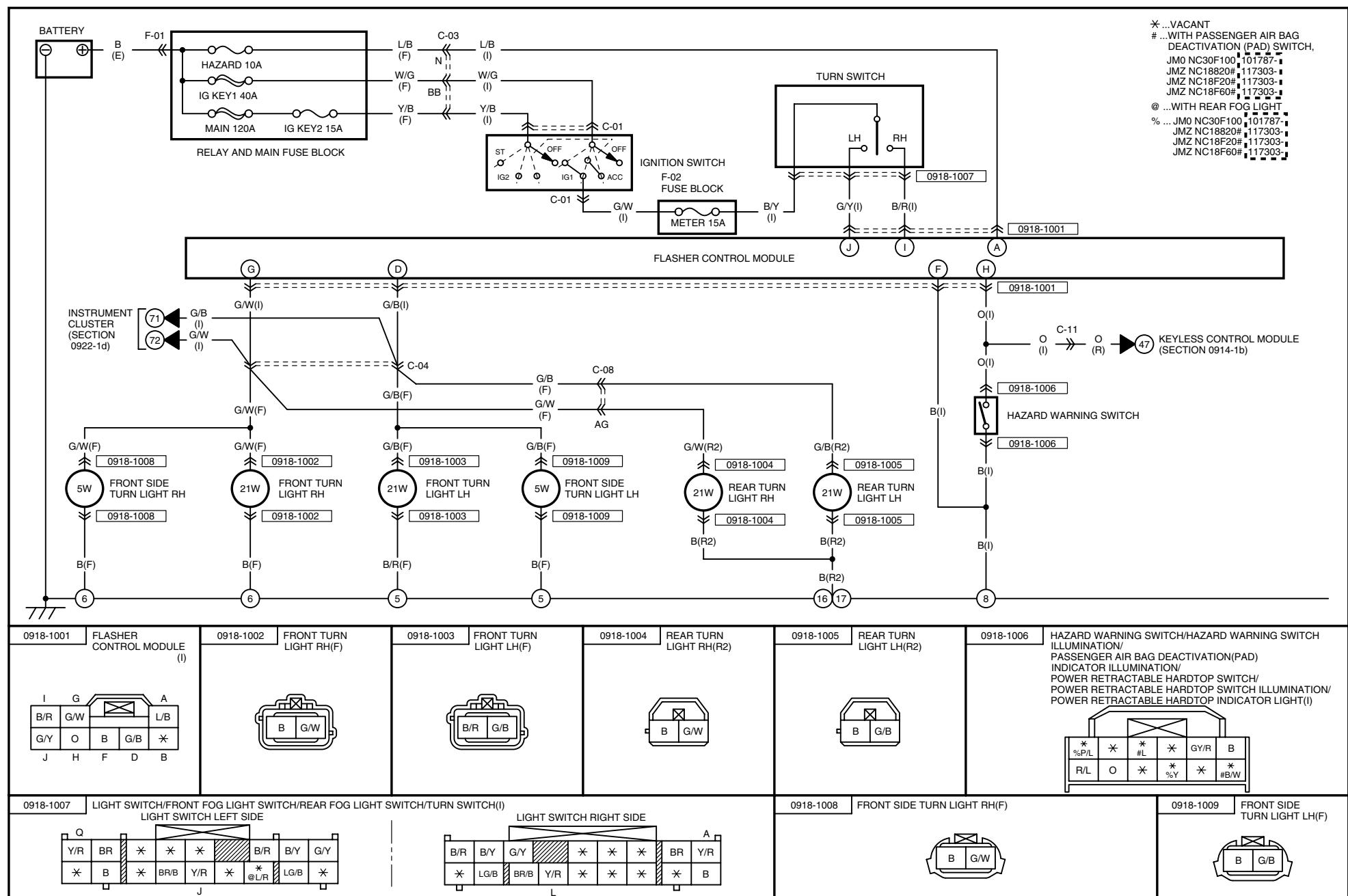
C-08  
(F)-(R2)

REAR FOG LIGHT  
0918-902

17  
0918-901  
REAR FOG LIGHT RELAY

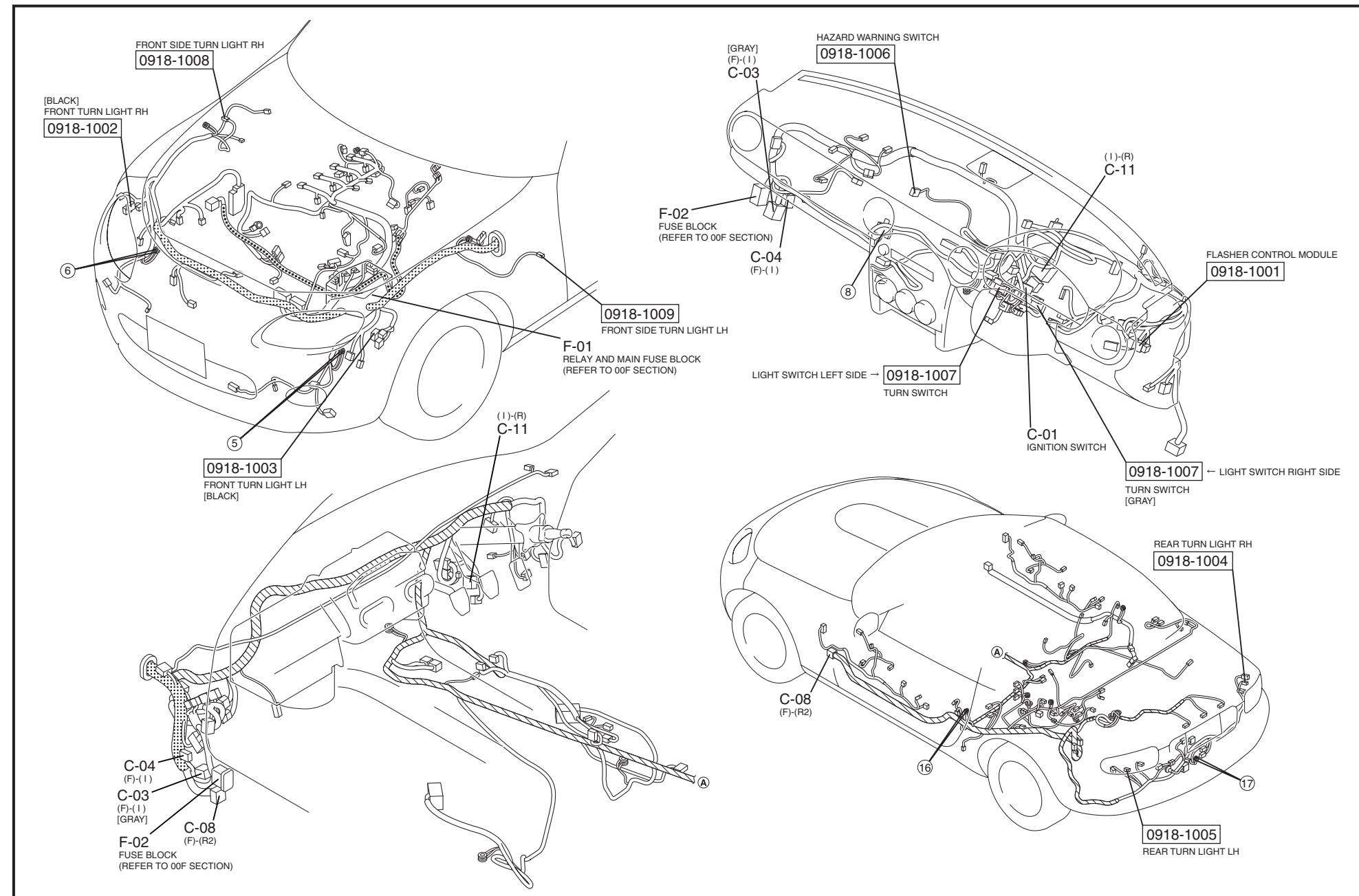
# TURN AND HAZARD WARNING LIGHT

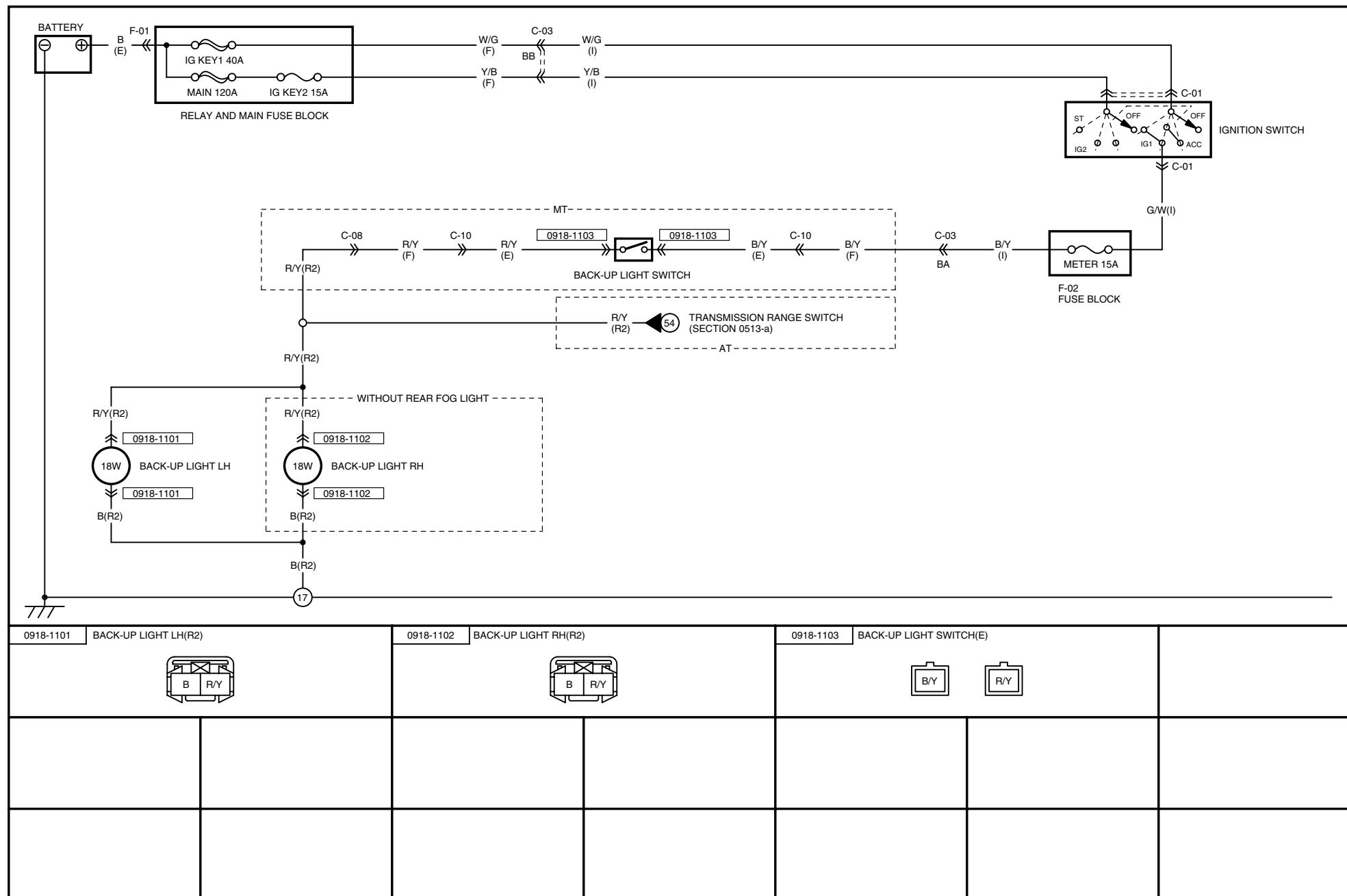
0918-10



\* ...VACANT  
 # ...WITH PASSENGER AIR BAG  
 DEACTIVATION (PAD) SWITCH,  
 JM0 NC30F100# 101787-  
 JMZ NC18820# 117303-  
 JMZ NC1820# 117303-  
 JMZ NC18F60# 117303-  
 @ ...WITH REAR FOG LIGHT  
 % ... JM0 NC30F100# 101787-  
 JMZ NC18820# 117303-  
 JMZ NC1820# 117303-  
 JMZ NC18F60# 117303-

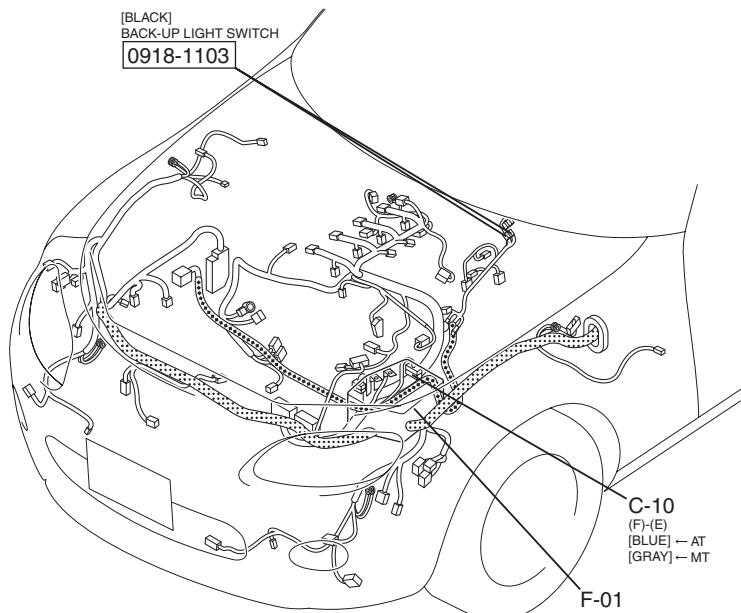
HARNESS SYMBOL: (F) (E) (R)





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

[BLACK]  
BACK-UP LIGHT SWITCH  
0918-1103



C-10  
(F)-(E)  
[BLUE] ← AT  
[GRAY] ← MT  
F-01  
RELAY AND MAIN FUSE BLOCK  
(REFER TO 00F SECTION)

[GRAY]  
(F)-(I)

C-03

F-02  
FUSE BLOCK  
(REFER TO 00F SECTION)

C-01  
IGNITION SWITCH

C-08  
(F)-(R2)

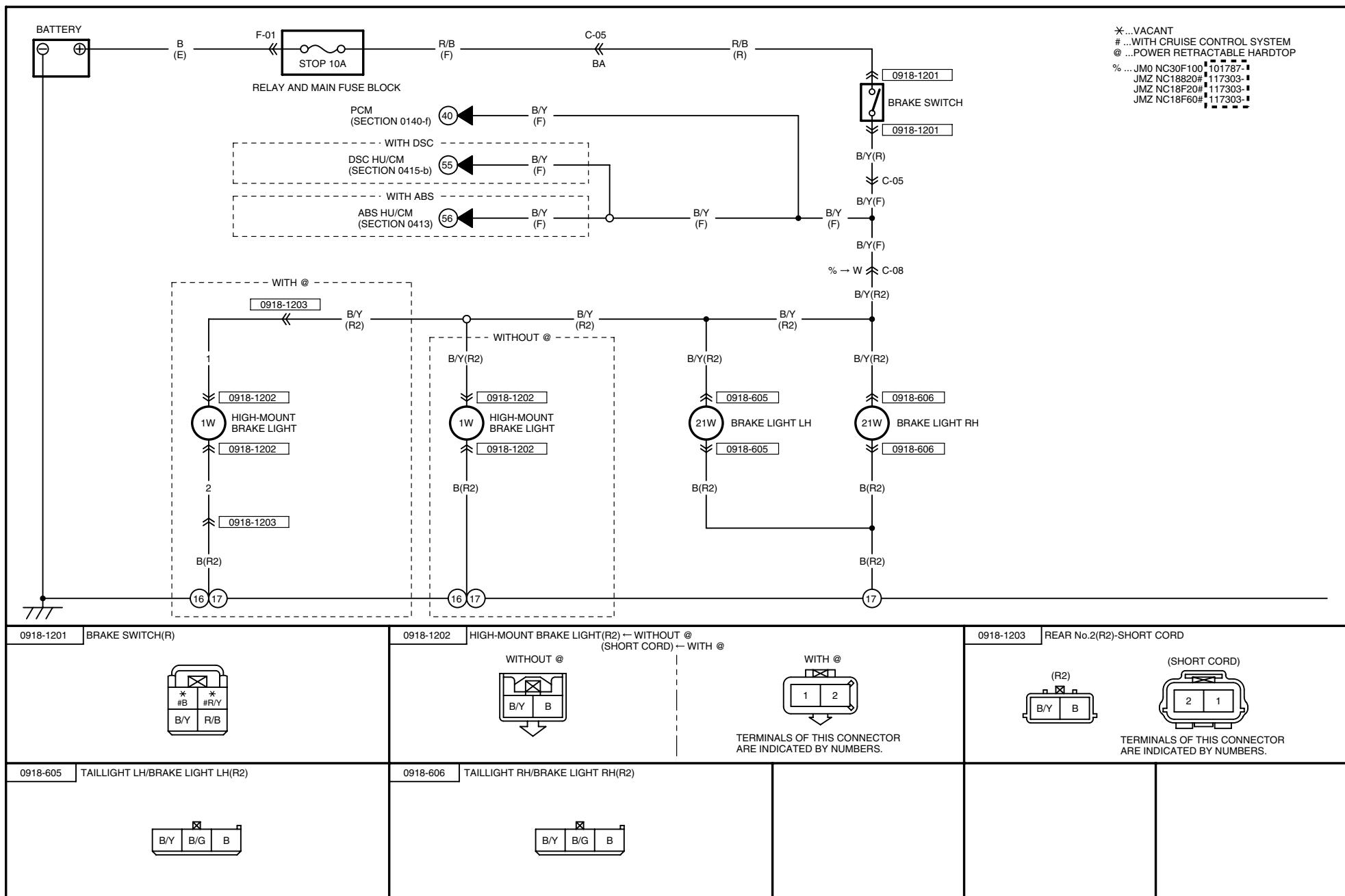
BACK-UP LIGHT RH  
0918-1102

C-03  
(F)-(I)  
[GRAY]  
F-02  
C-08  
(F)-(R2)  
FUSE BLOCK  
(REFER TO 00F SECTION)

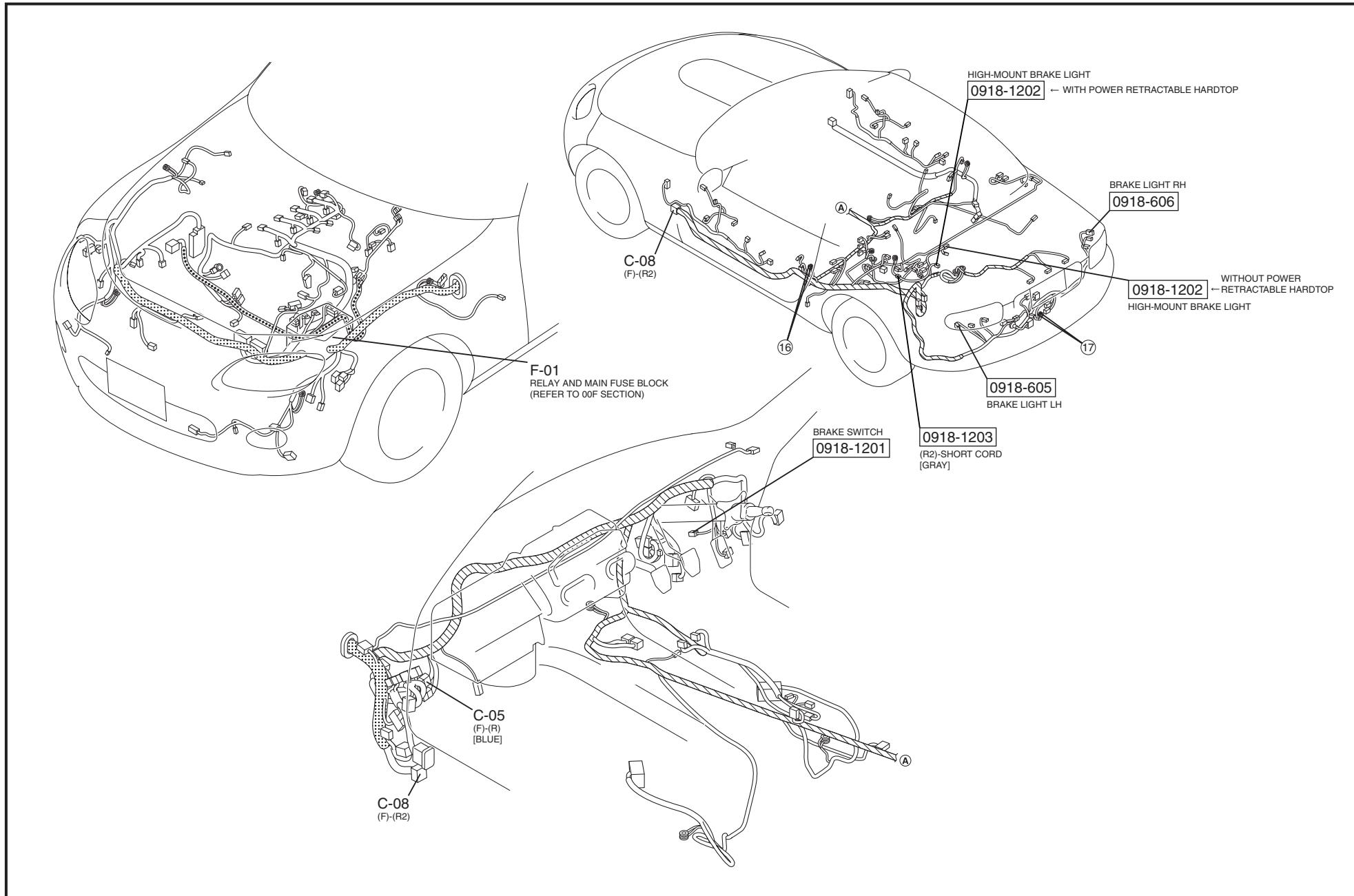
0918-1101  
BACK-UP LIGHT LH

# BRAKE LIGHT / HIGH-MOUNT BRAKE LIGHT

0918-12

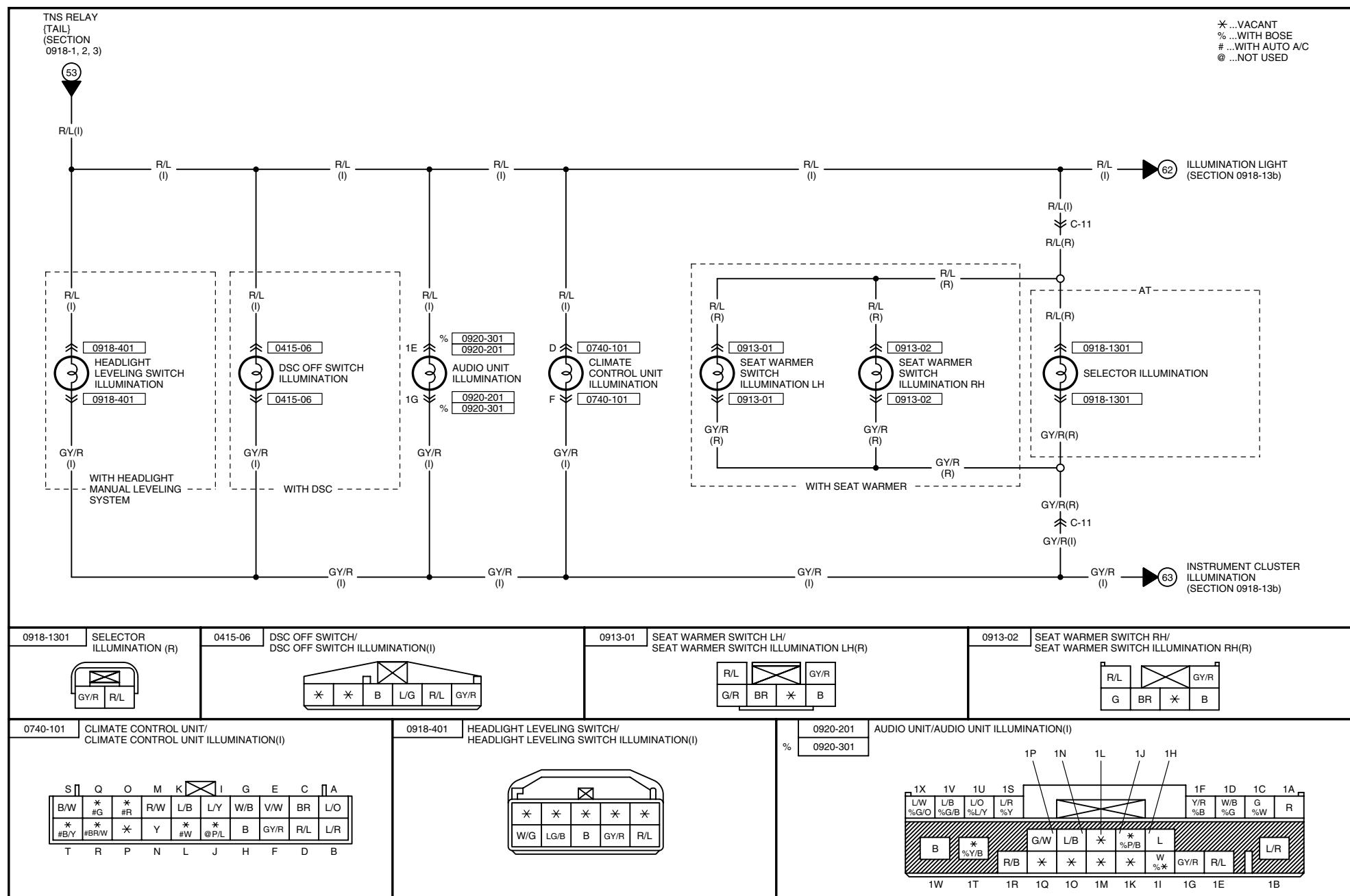


HARNESS SYMBOL:  (F)  (E)  (R)



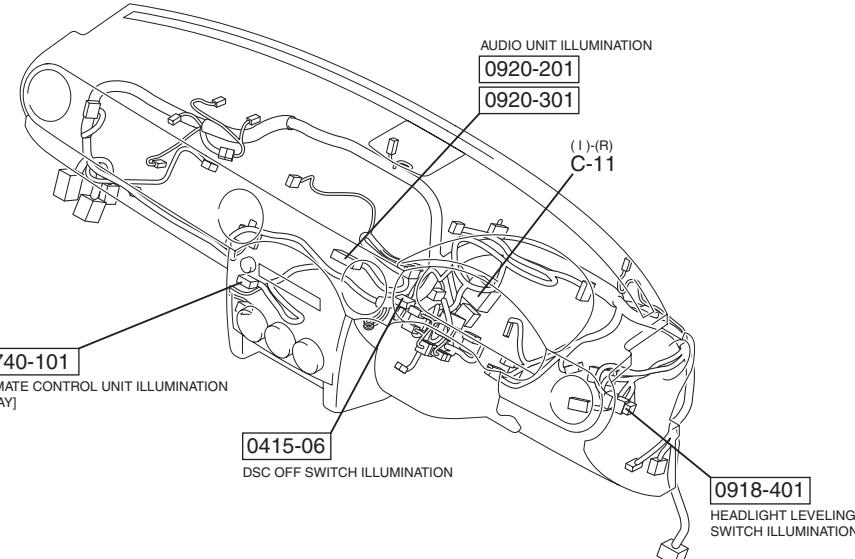
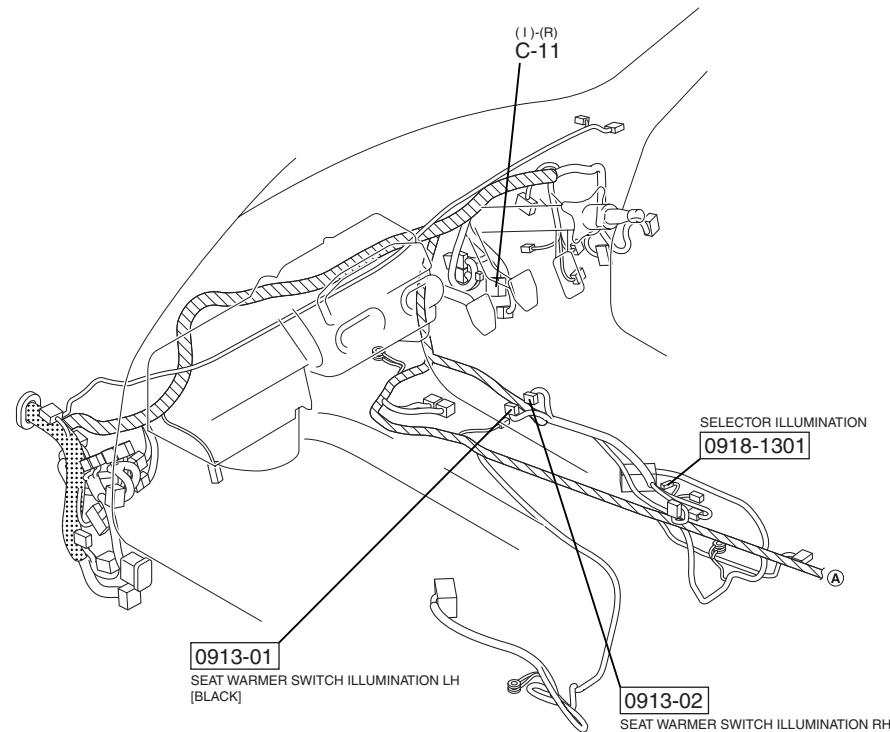
# ILLUMINATION LIGHT

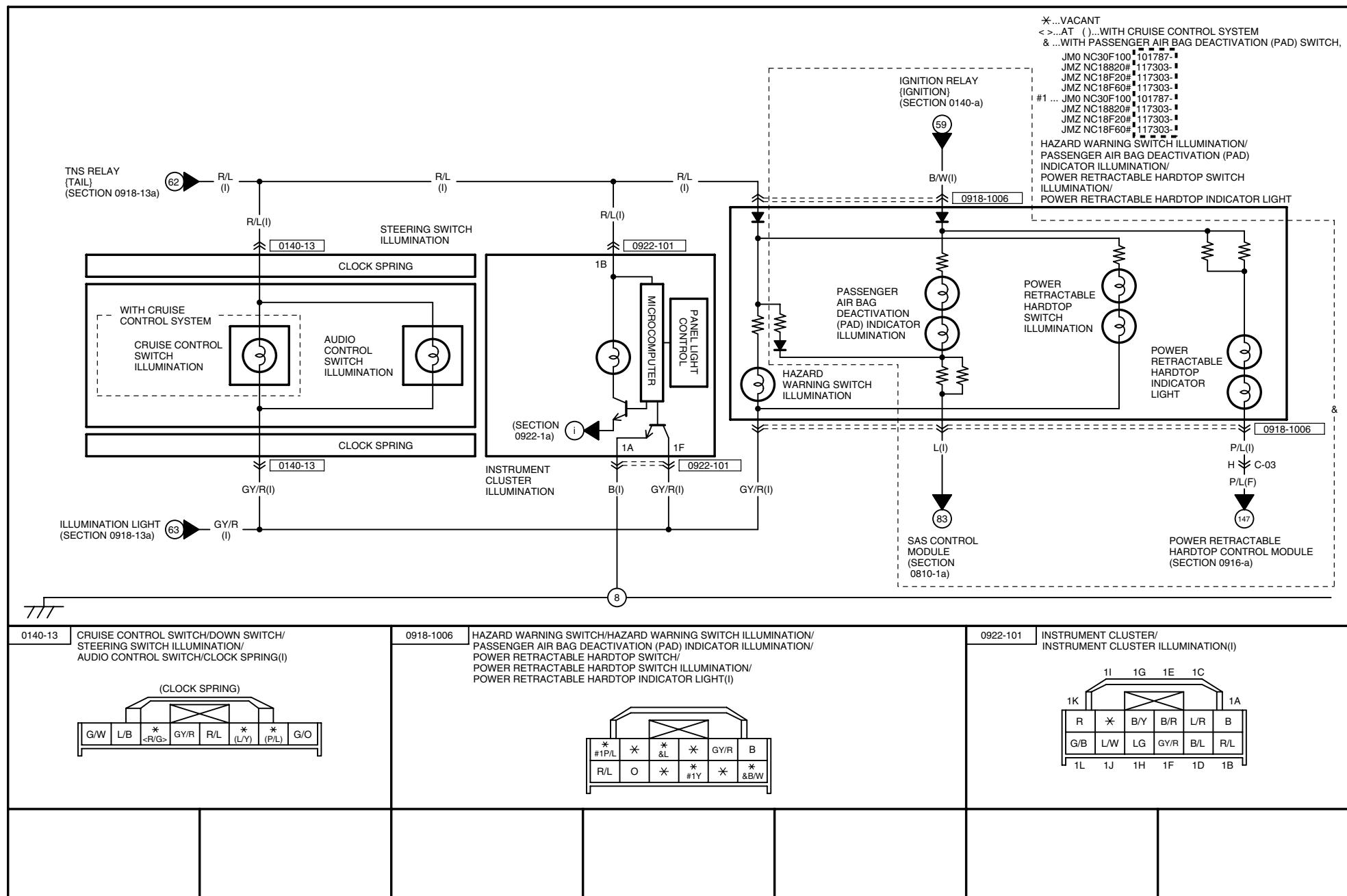
0918-13a



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

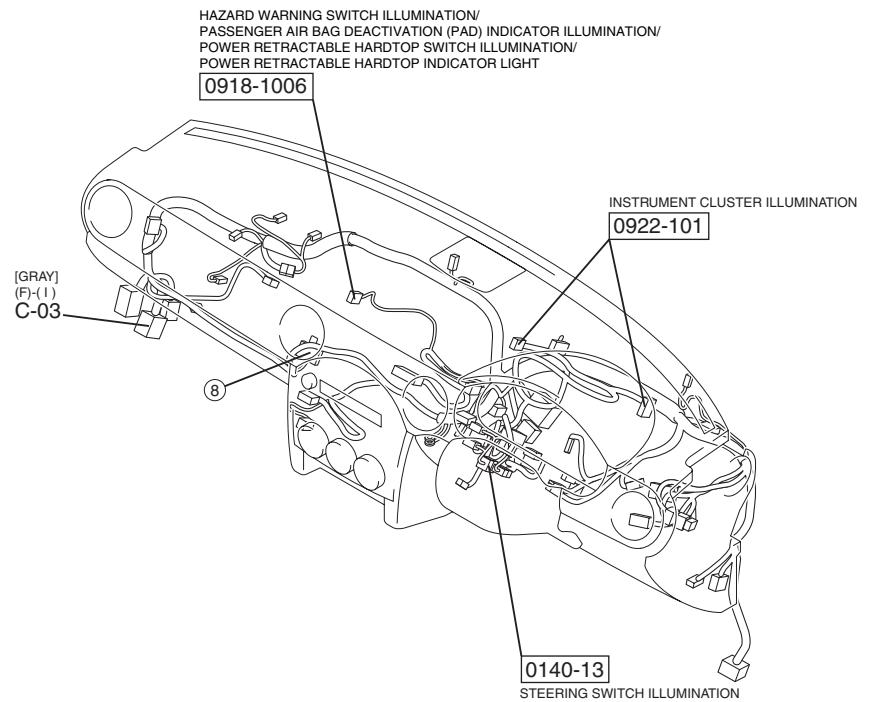
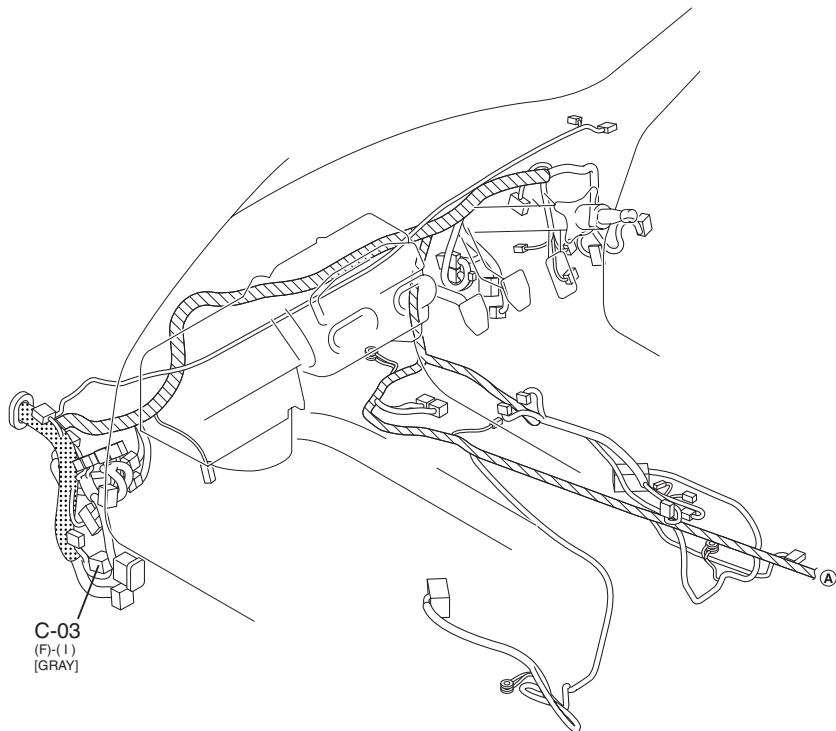
139



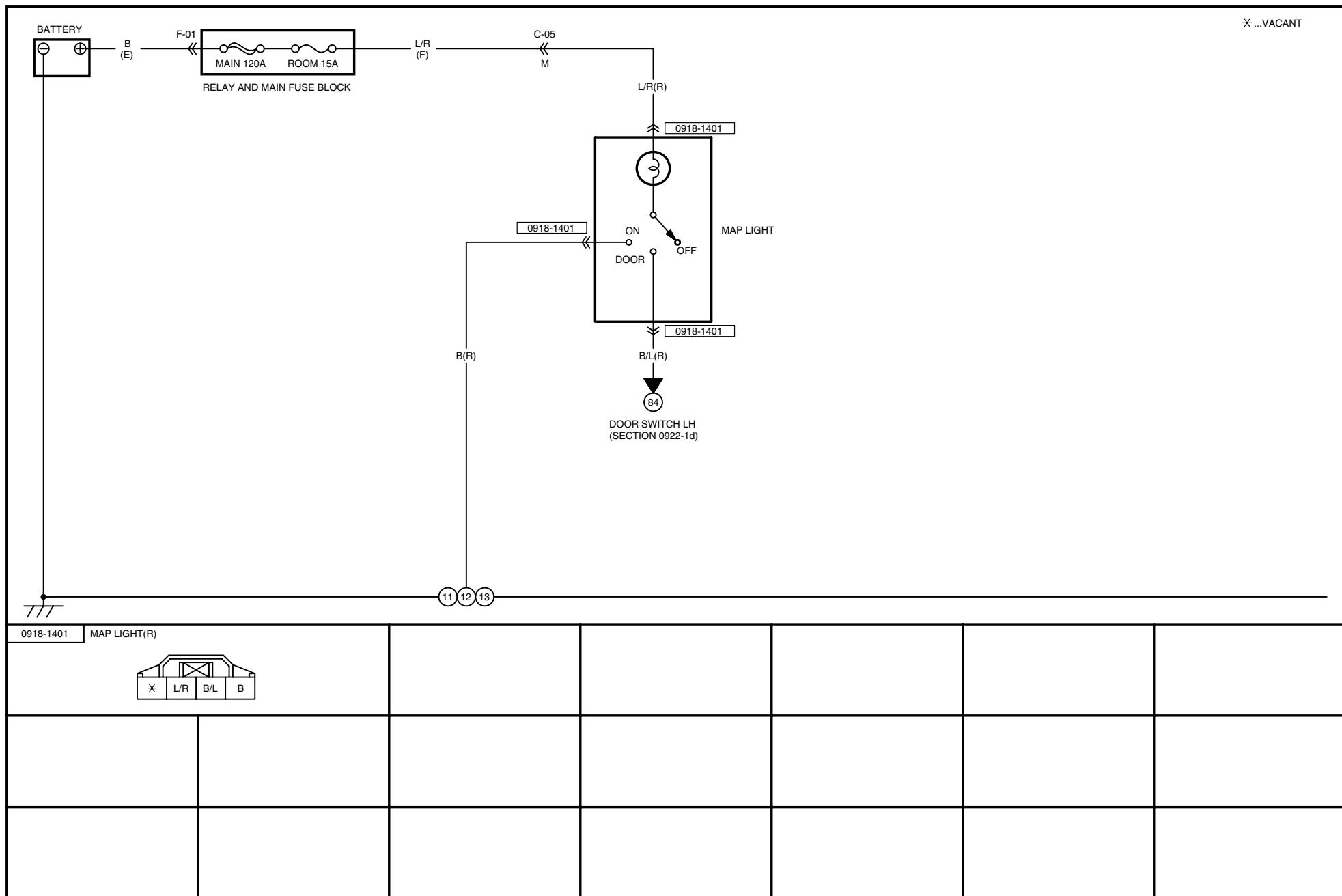


HARNESS SYMBOL: (F) (E) (R)

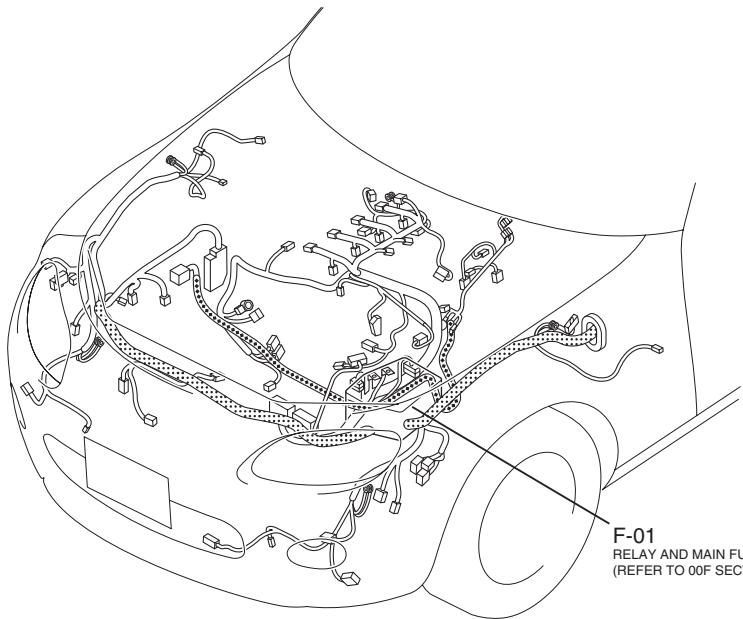
141



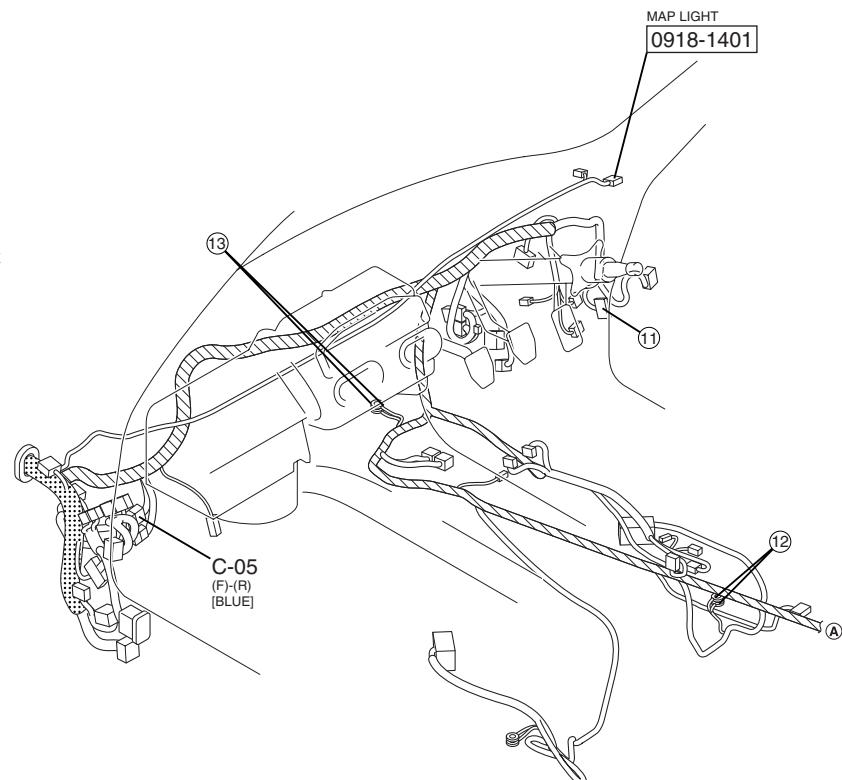
\*...VACANT



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

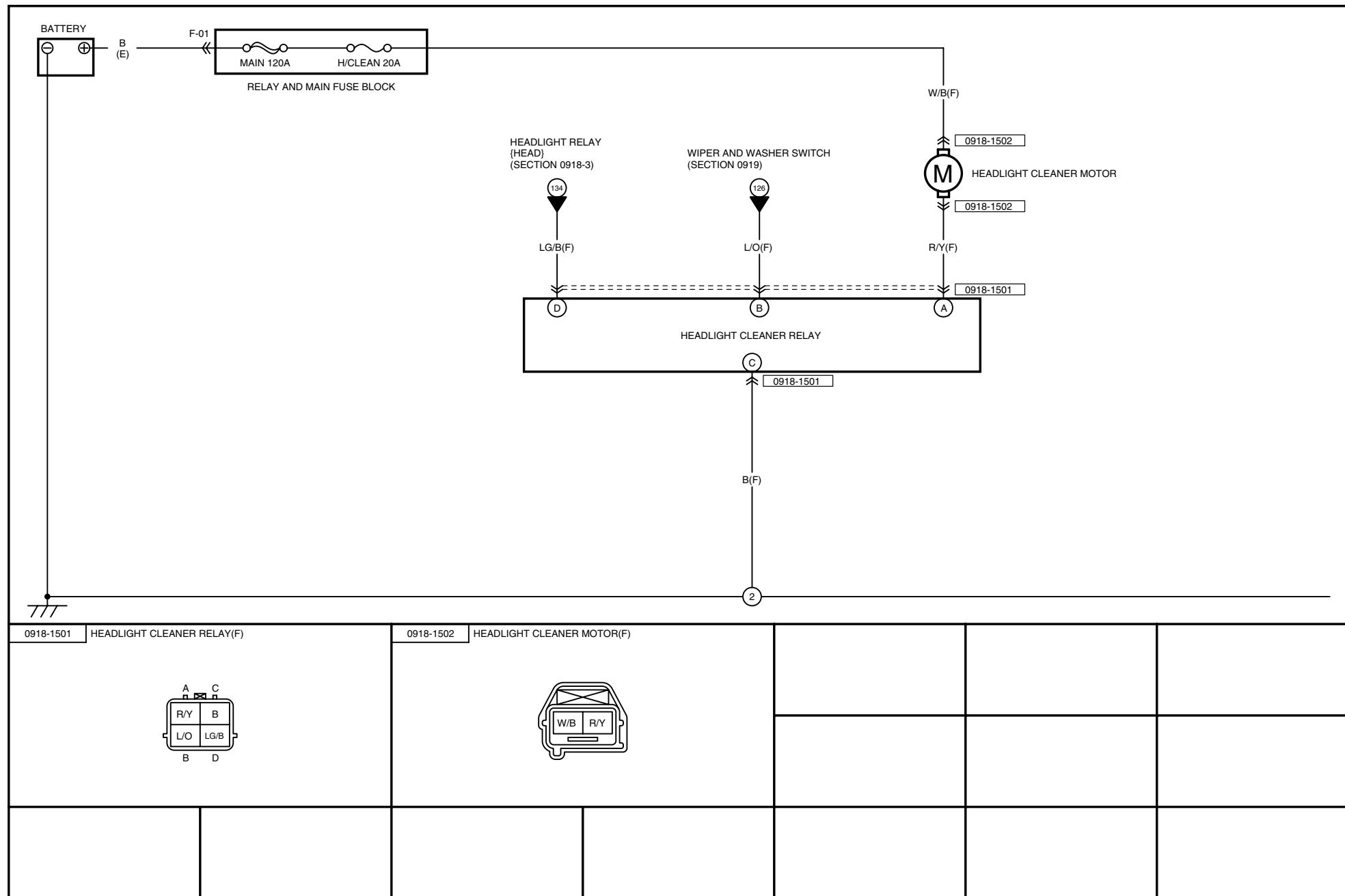


F-01  
RELAY AND MAIN FUSE BLOCK  
(REFER TO 00F SECTION)

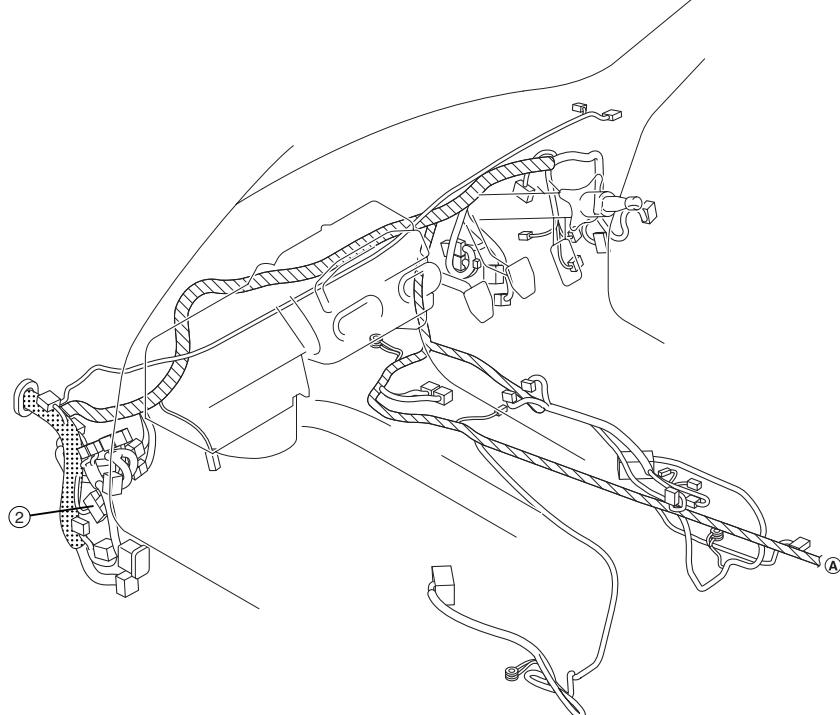
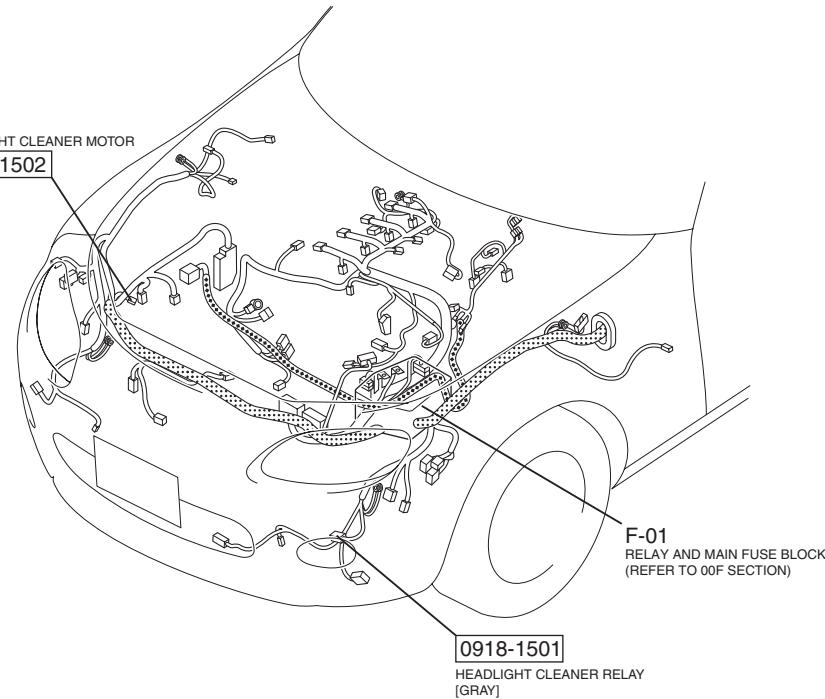


# HEADLIGHT CLEANER SYSTEM

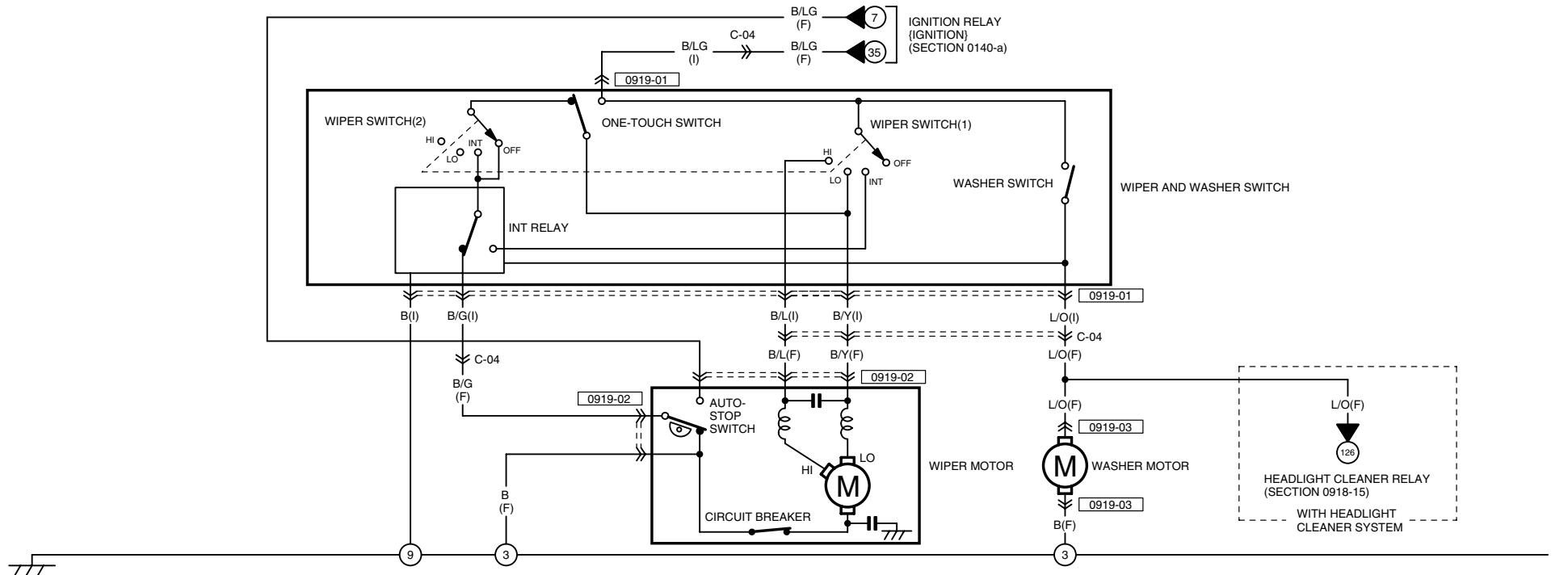
0918-15



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



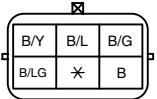
\* ...VACANT  
 # ...WIPER AND WASHER SWITCH LEFT SIDE



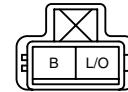
0919-01 WIPER AND WASHER SWITCH(I)

B/L #L/O	B #B/G	B/Y #B/LG		B/LG #B/Y	B/G #B	L/O #B/L
*	*	*	*	*	*	*

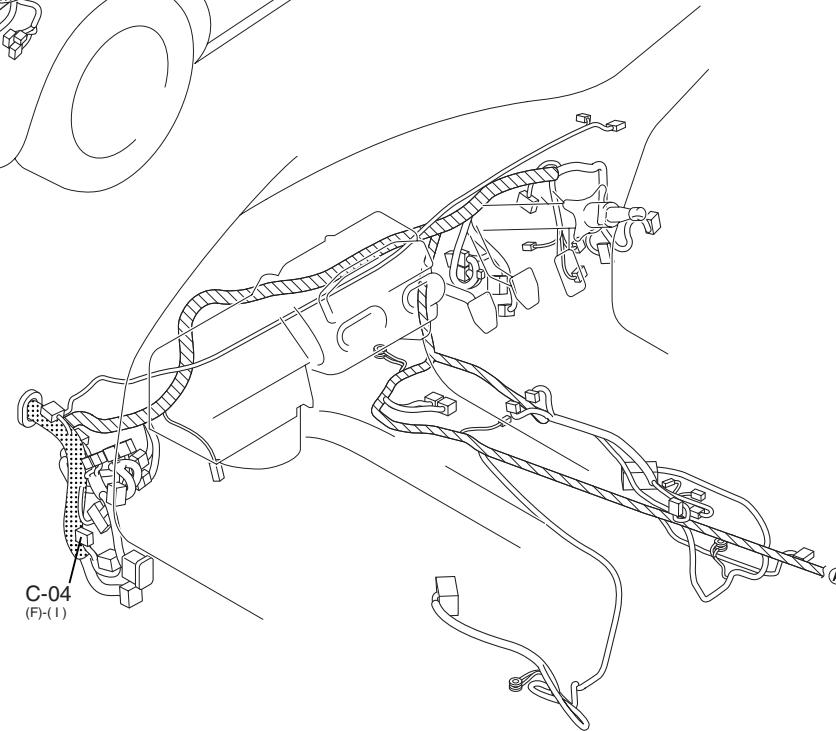
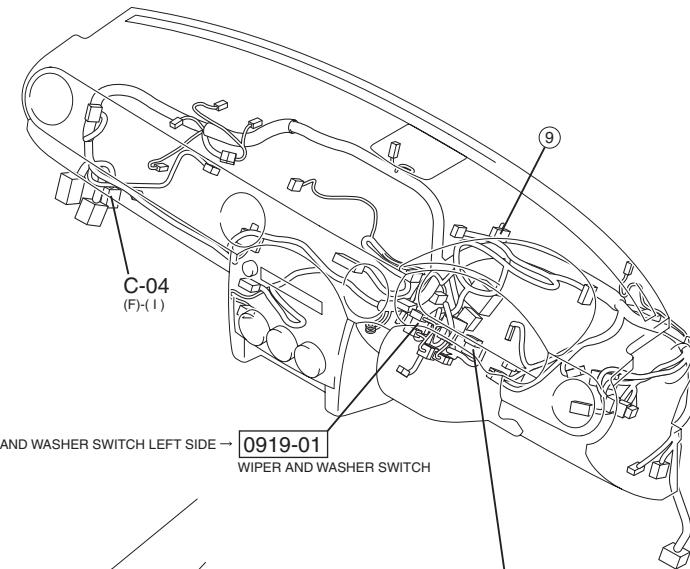
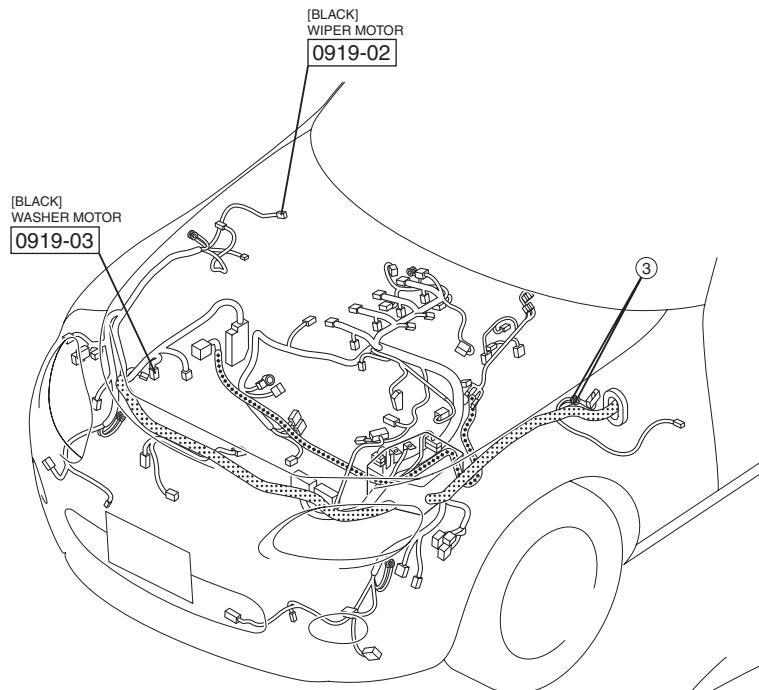
0919-02 WIPER MOTOR(F)



0919-03 WASHER MOTOR(F)

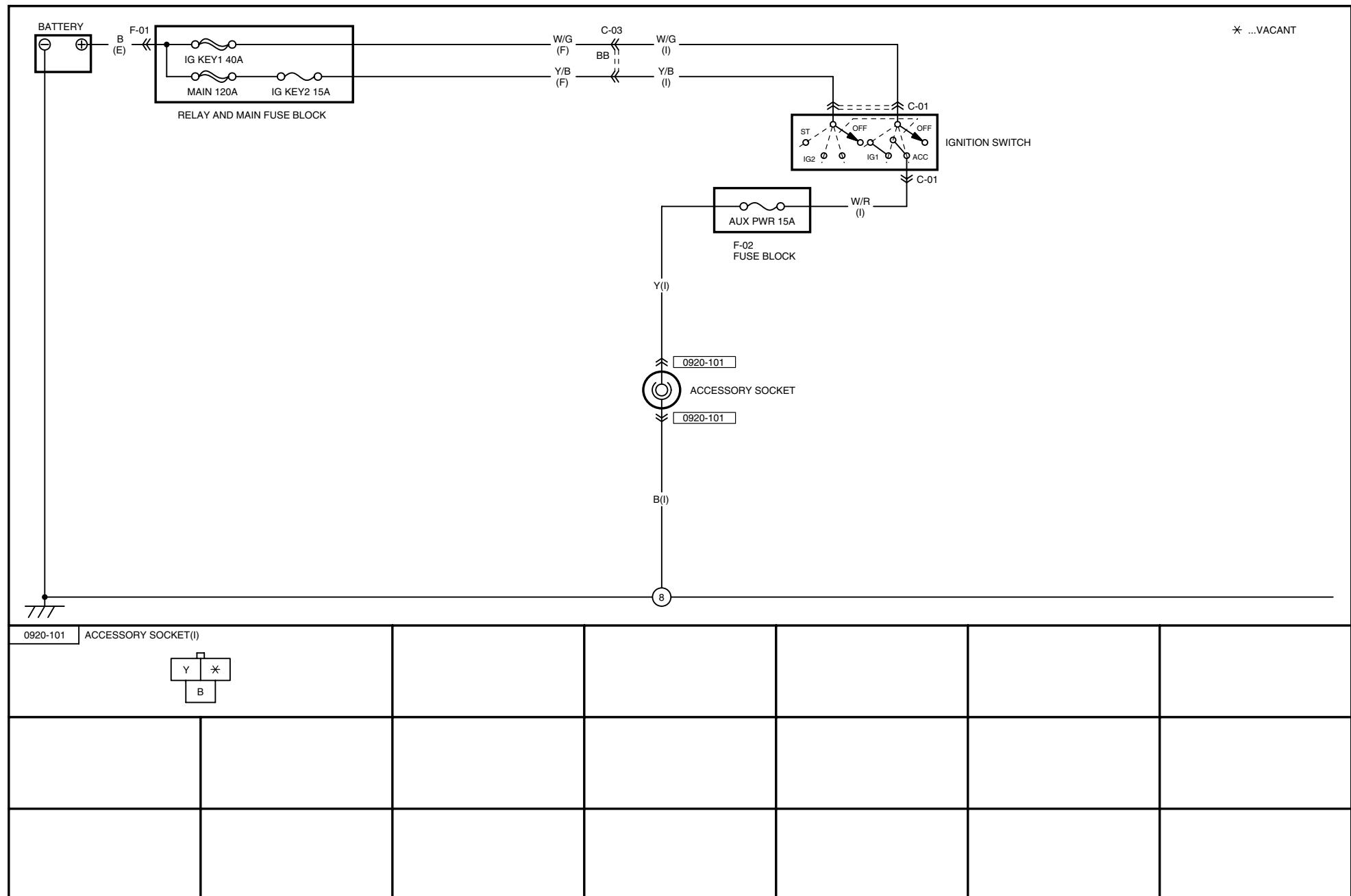


HARNESS SYMBOL: (F) (E) (R)

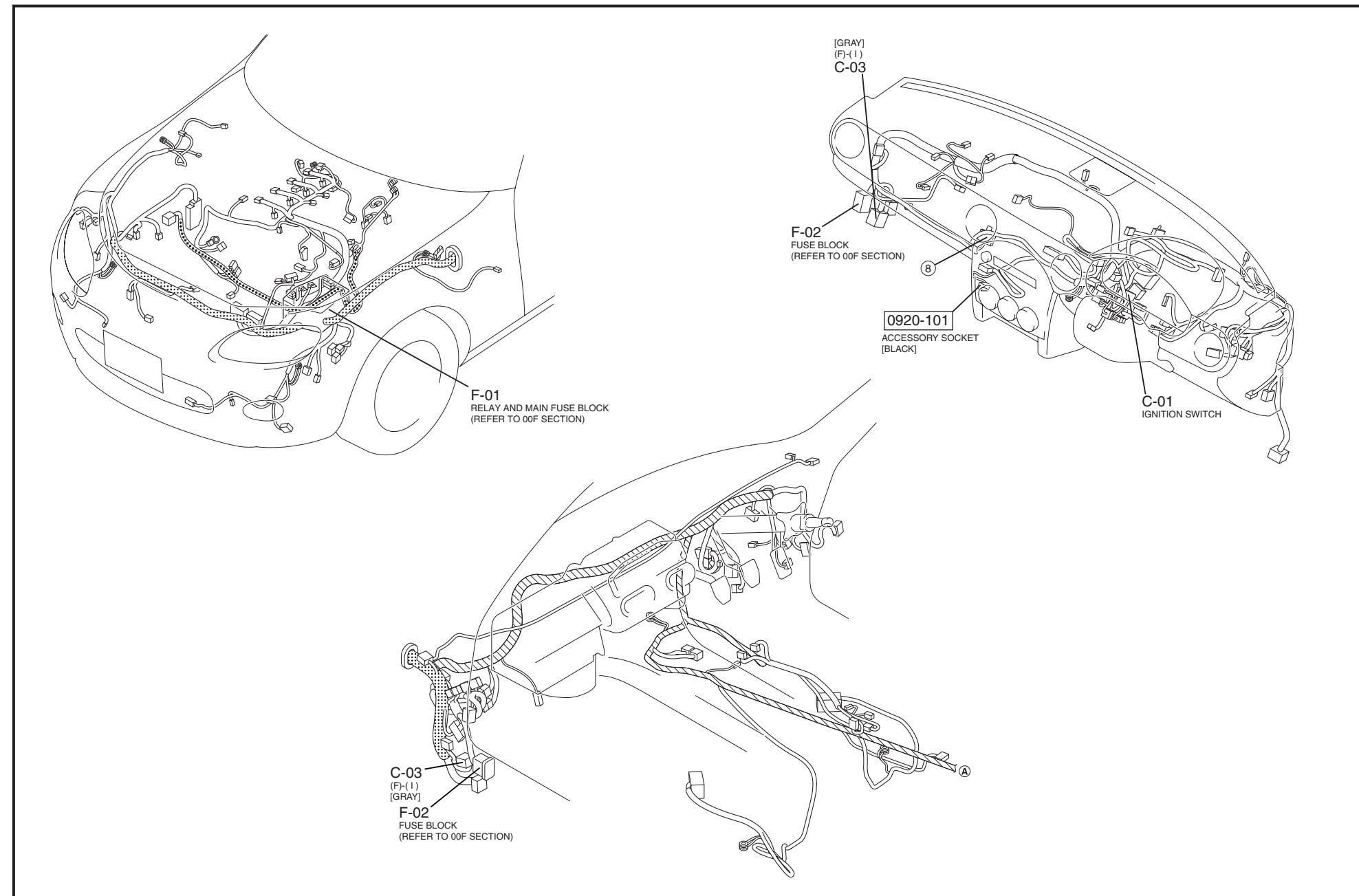


# ACCESSORY SOCKET

0920-1

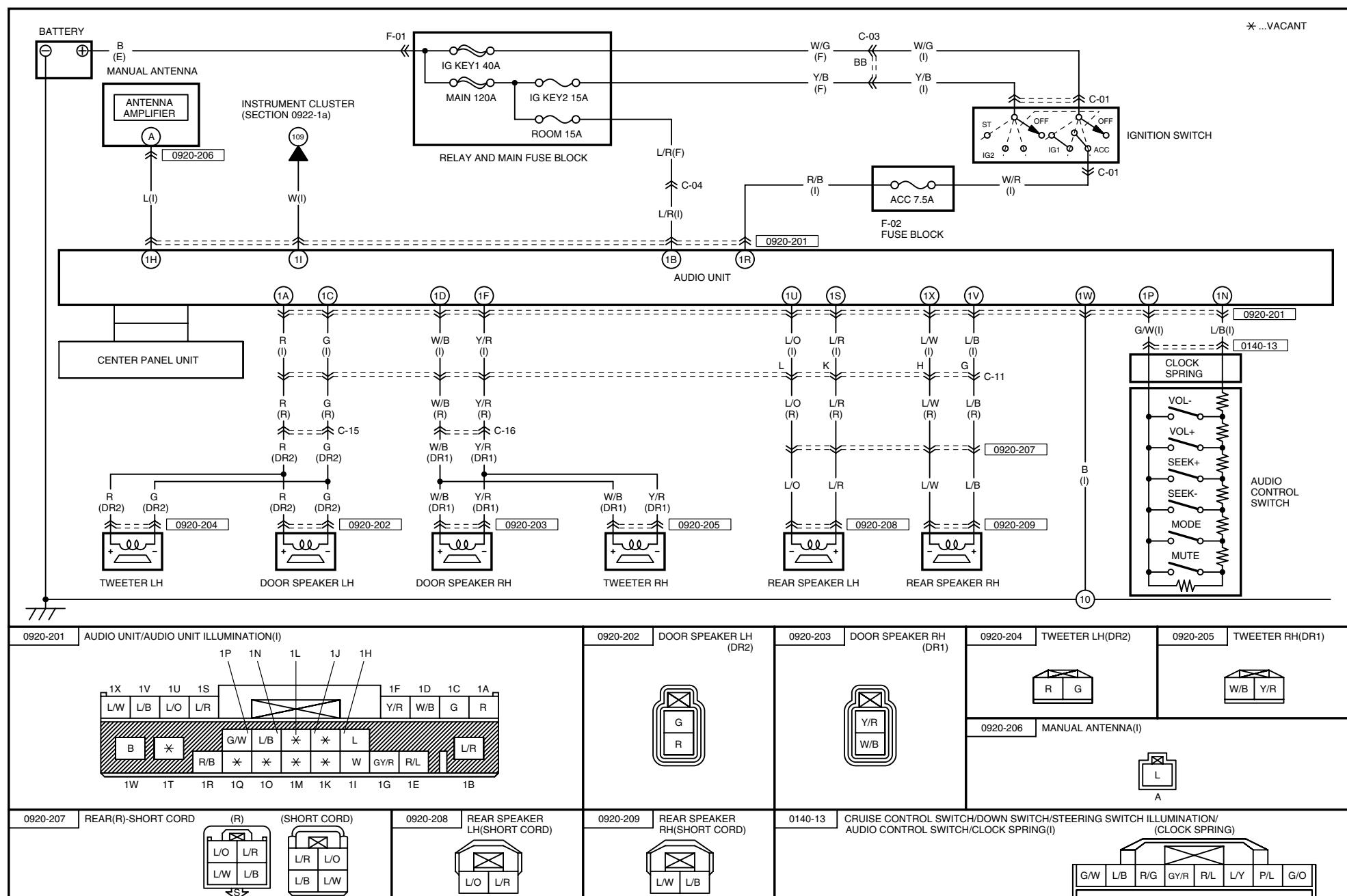


HARNESS SYMBOL: (F) (E) (R)

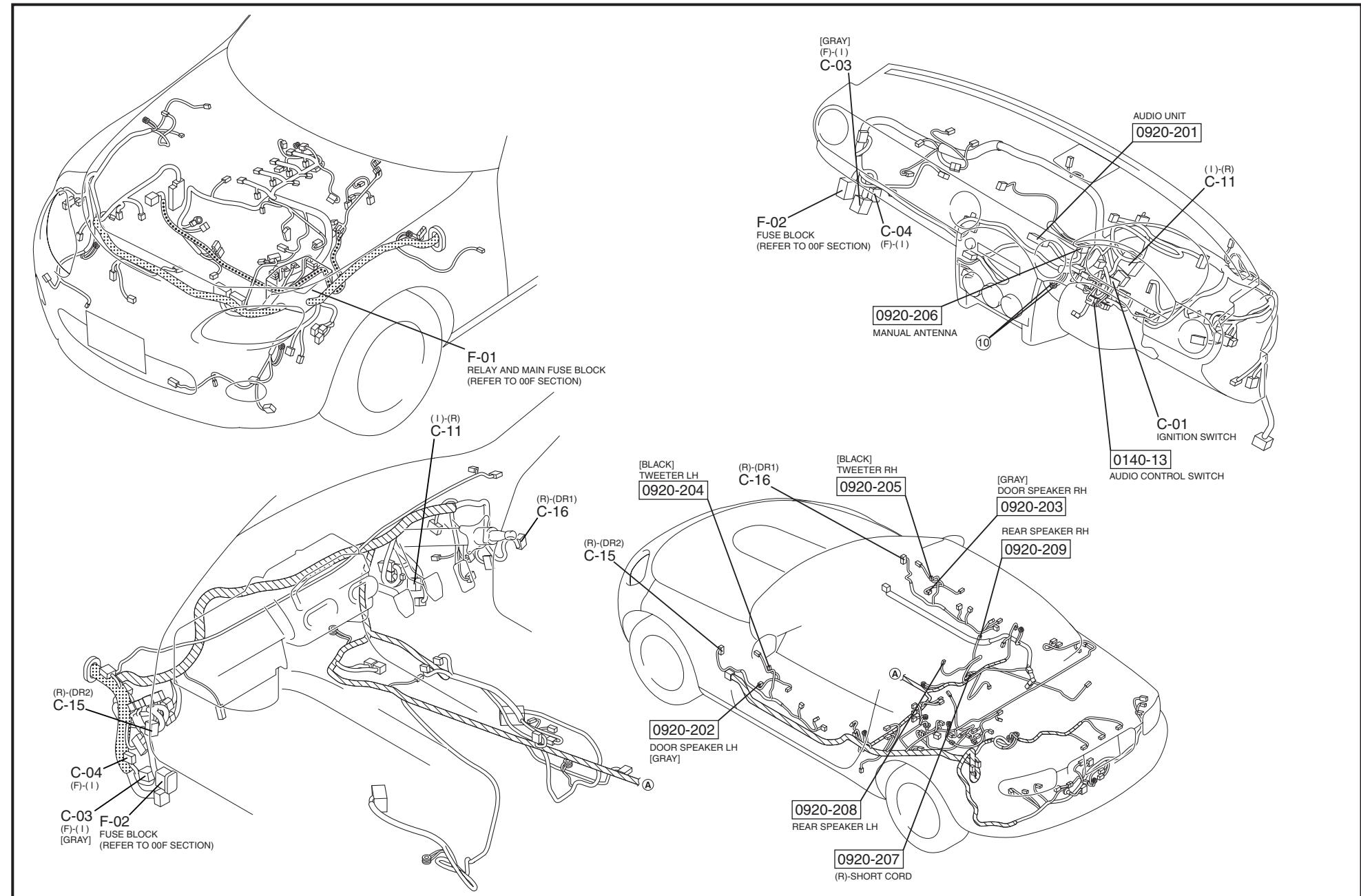


# AUDIO SYSTEM (WITHOUT BOSE)

0920-2

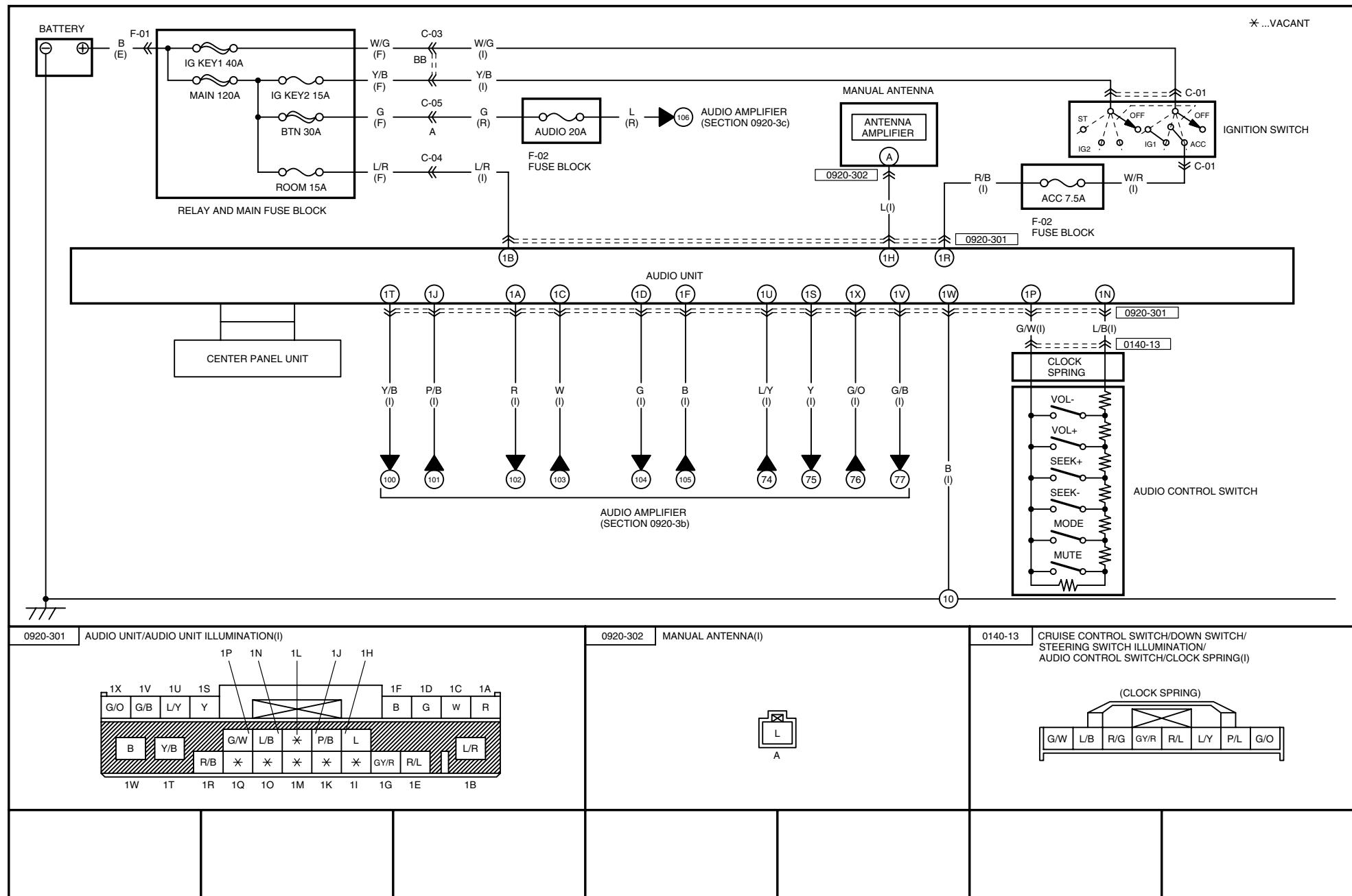


HARNESS SYMBOL: (F) (E) (R)

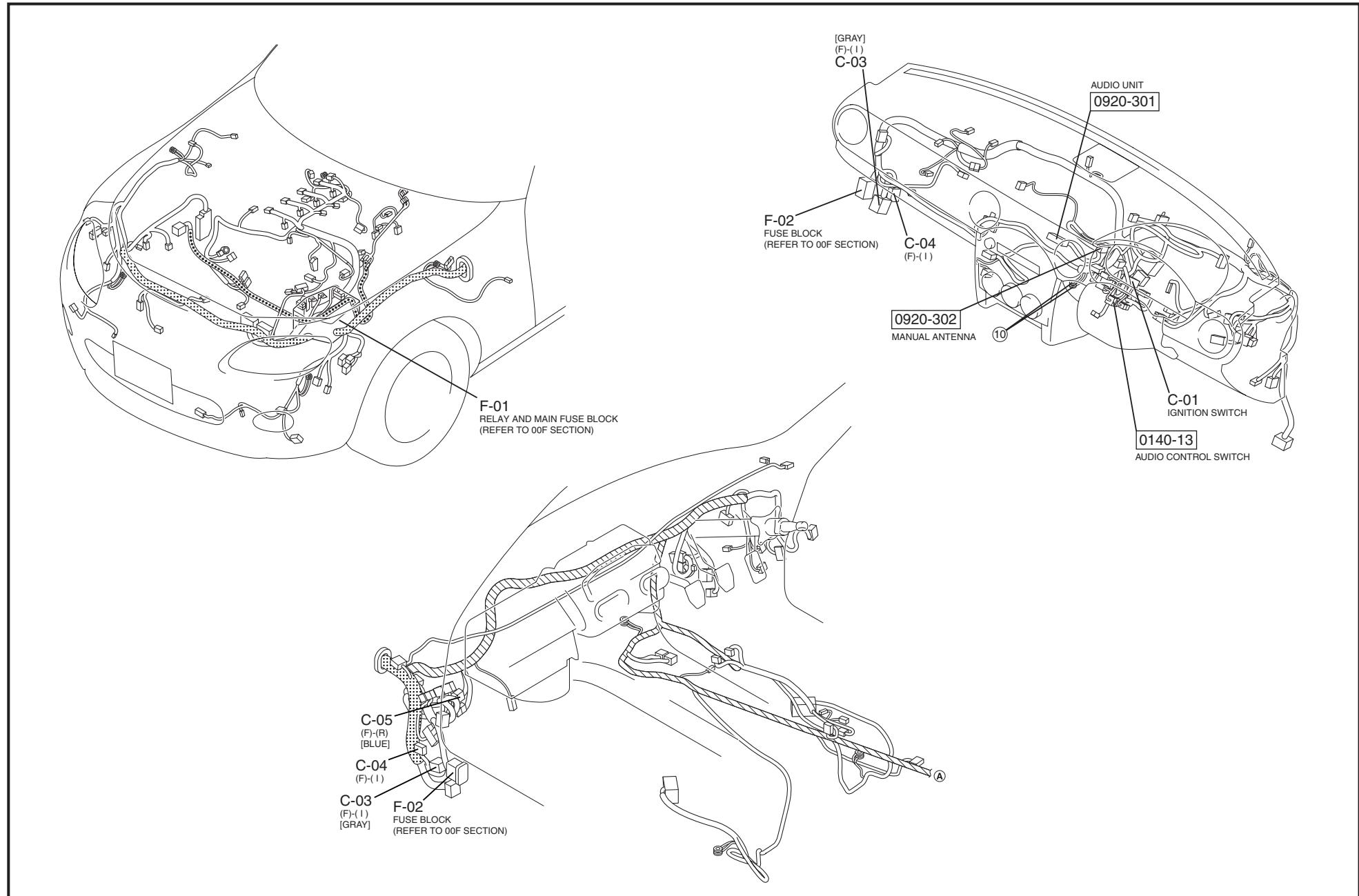


# AUDIO SYSTEM (WITH BOSE)

0920-3a

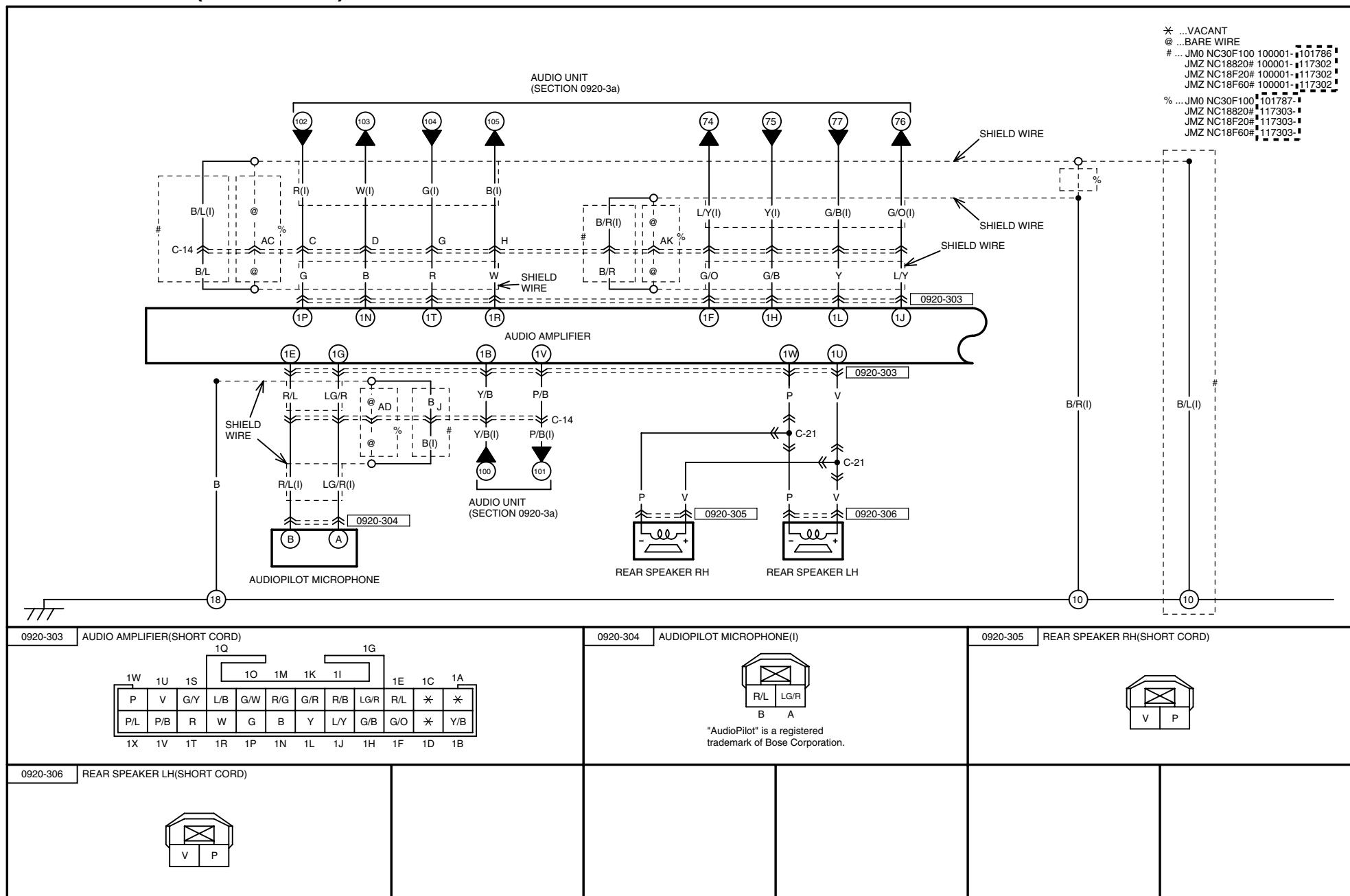


HARNESS SYMBOL: (F) (E) (R)

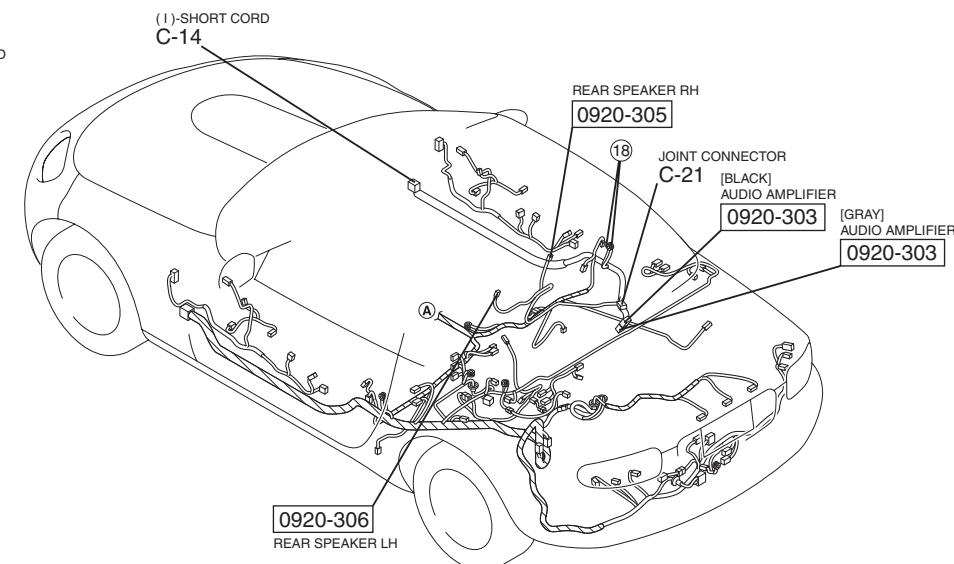
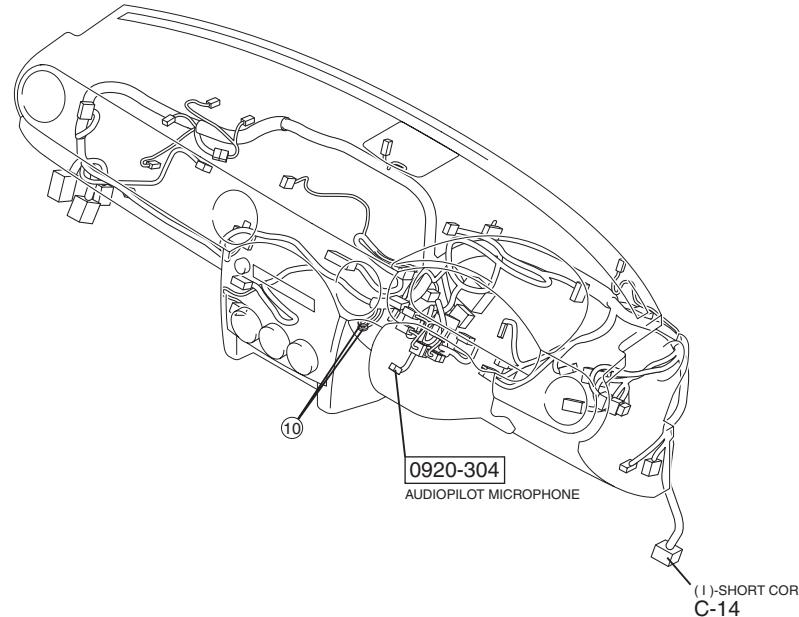


# AUDIO SYSTEM (WITH BOSE)

0920-3b

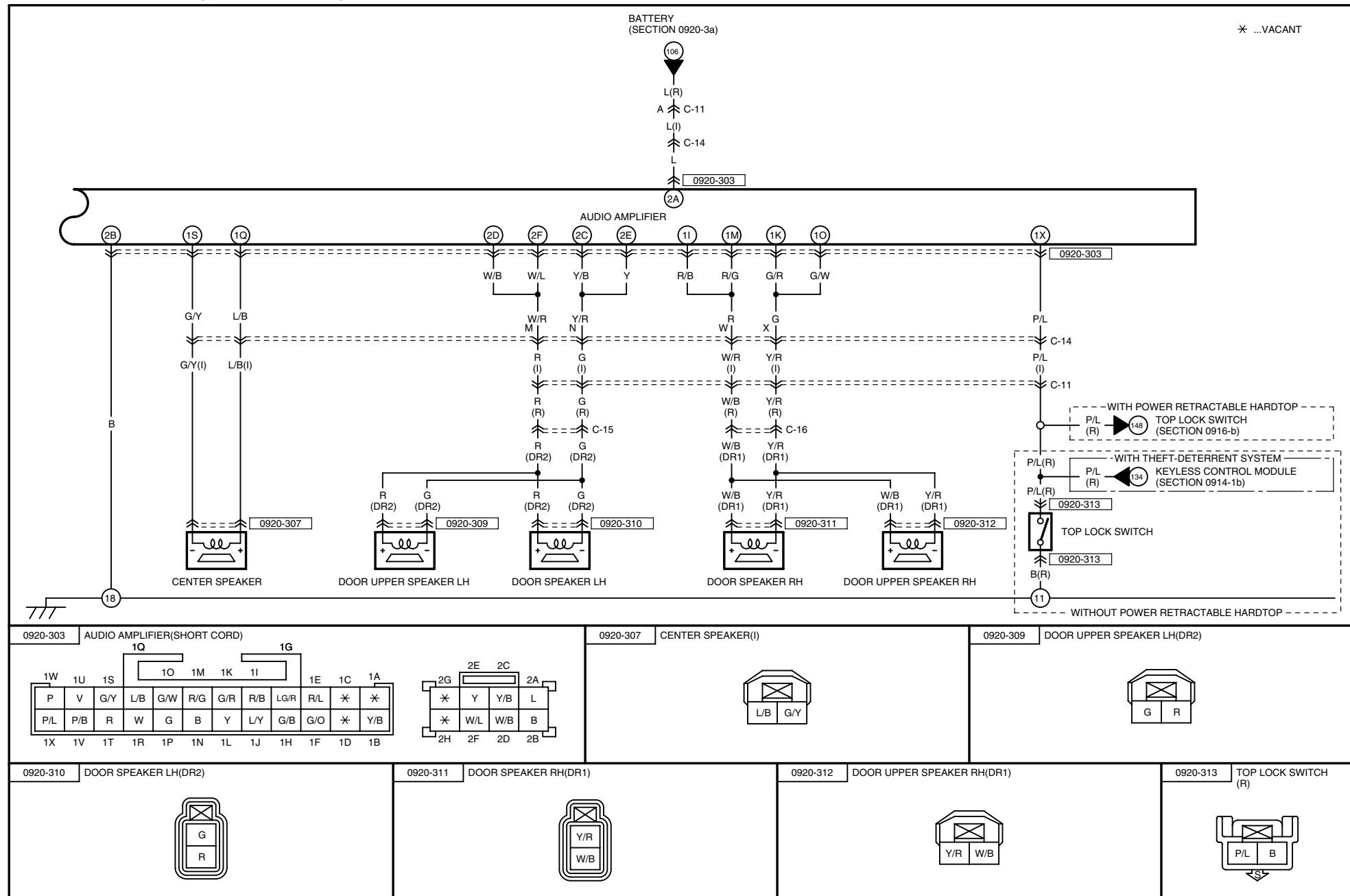


HARNESS SYMBOL: (F) (E) (R)

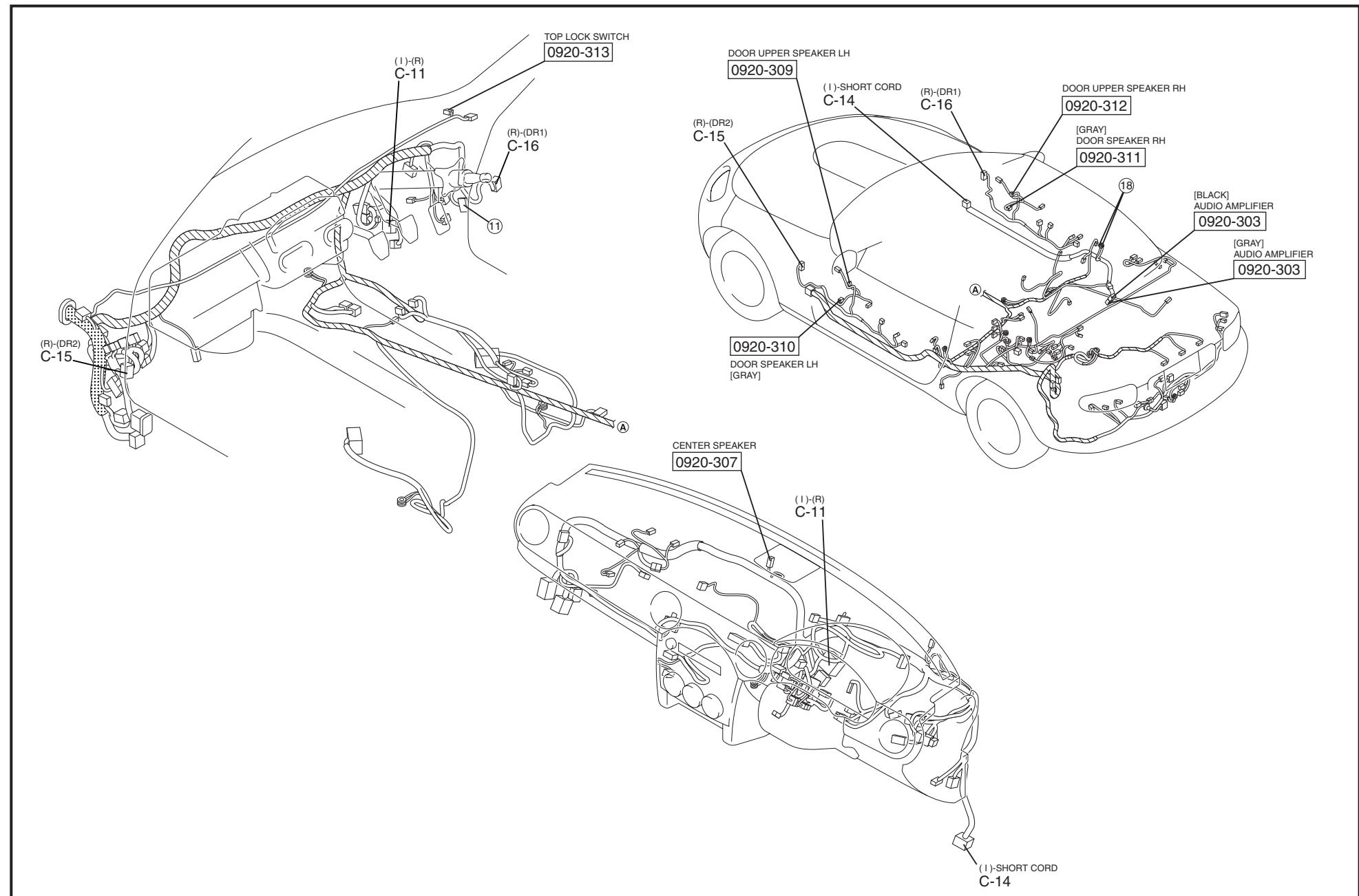


## **AUDIO SYSTEM (WITH BOSE)**

0920-3c

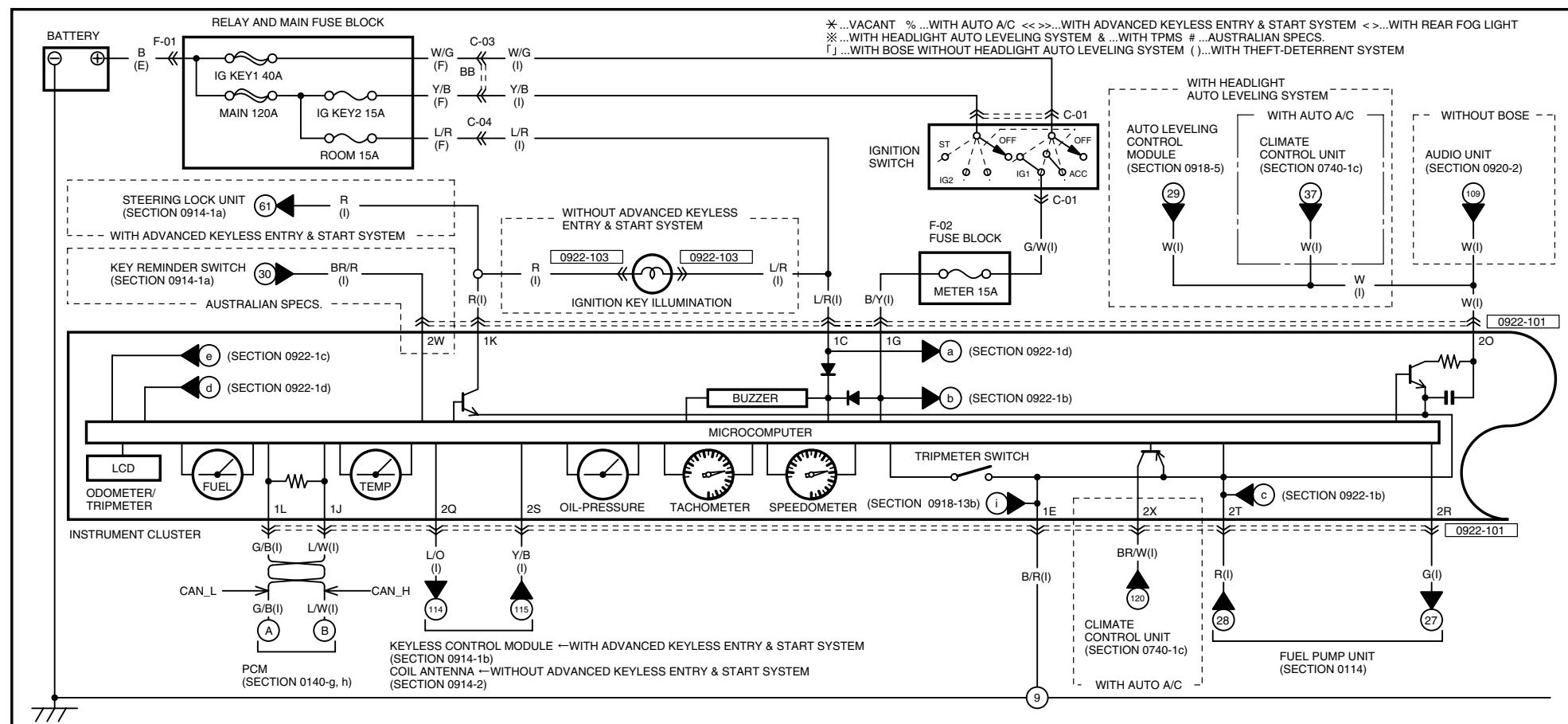


HARNESS SYMBOL: (F) (E) (R)

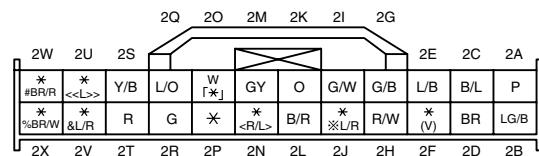
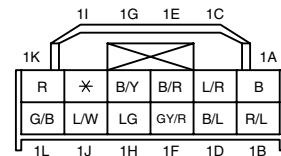


## **INSTRUMENT CLUSTER**

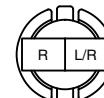
0922-1a



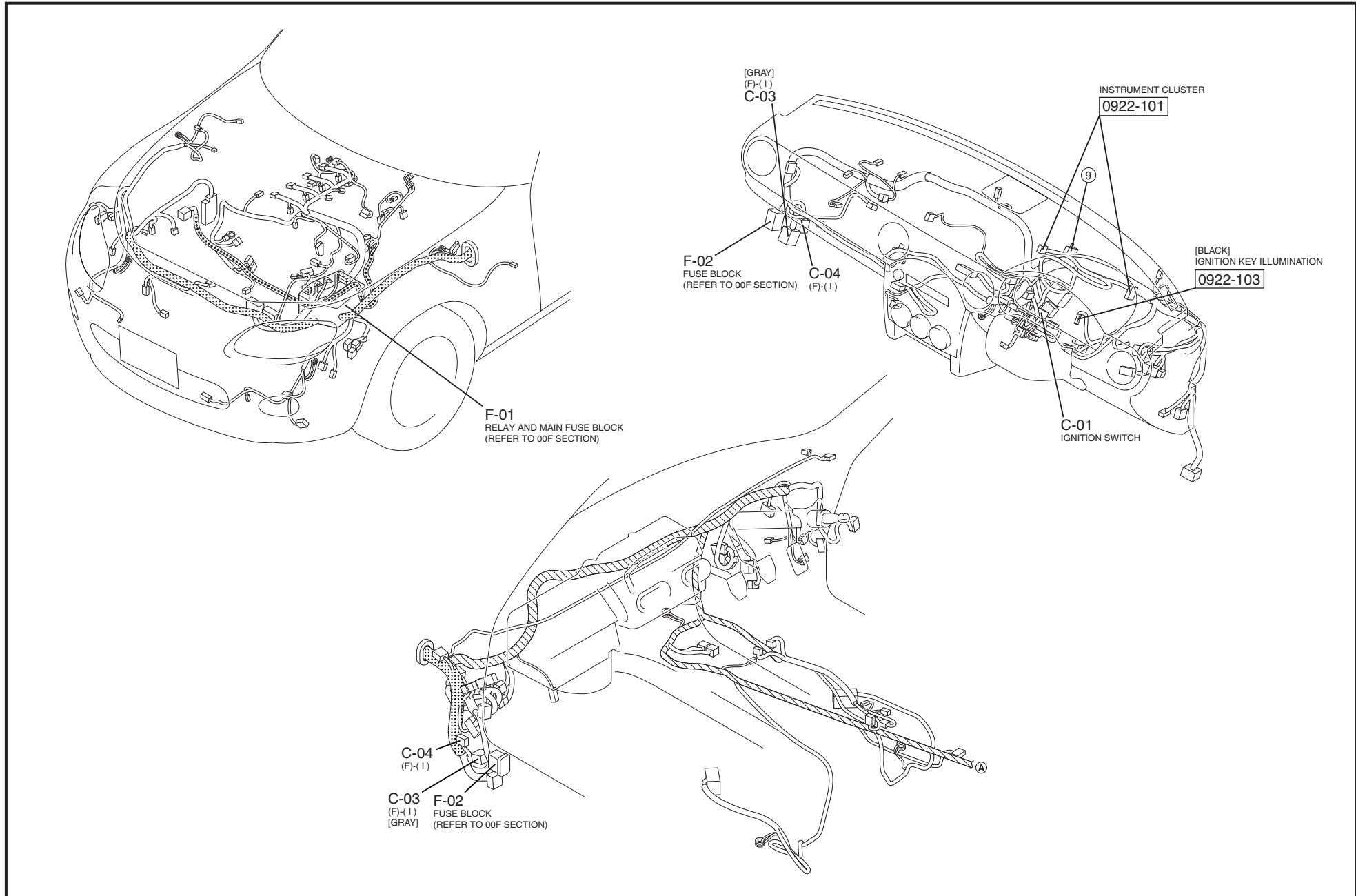
**0922-101 INSTRUMENT CLUSTER/INSTRUMENT CLUSTER ILLUMINATION(I)**



0922-103	IGNITION KEY ILLUMINATION(I)
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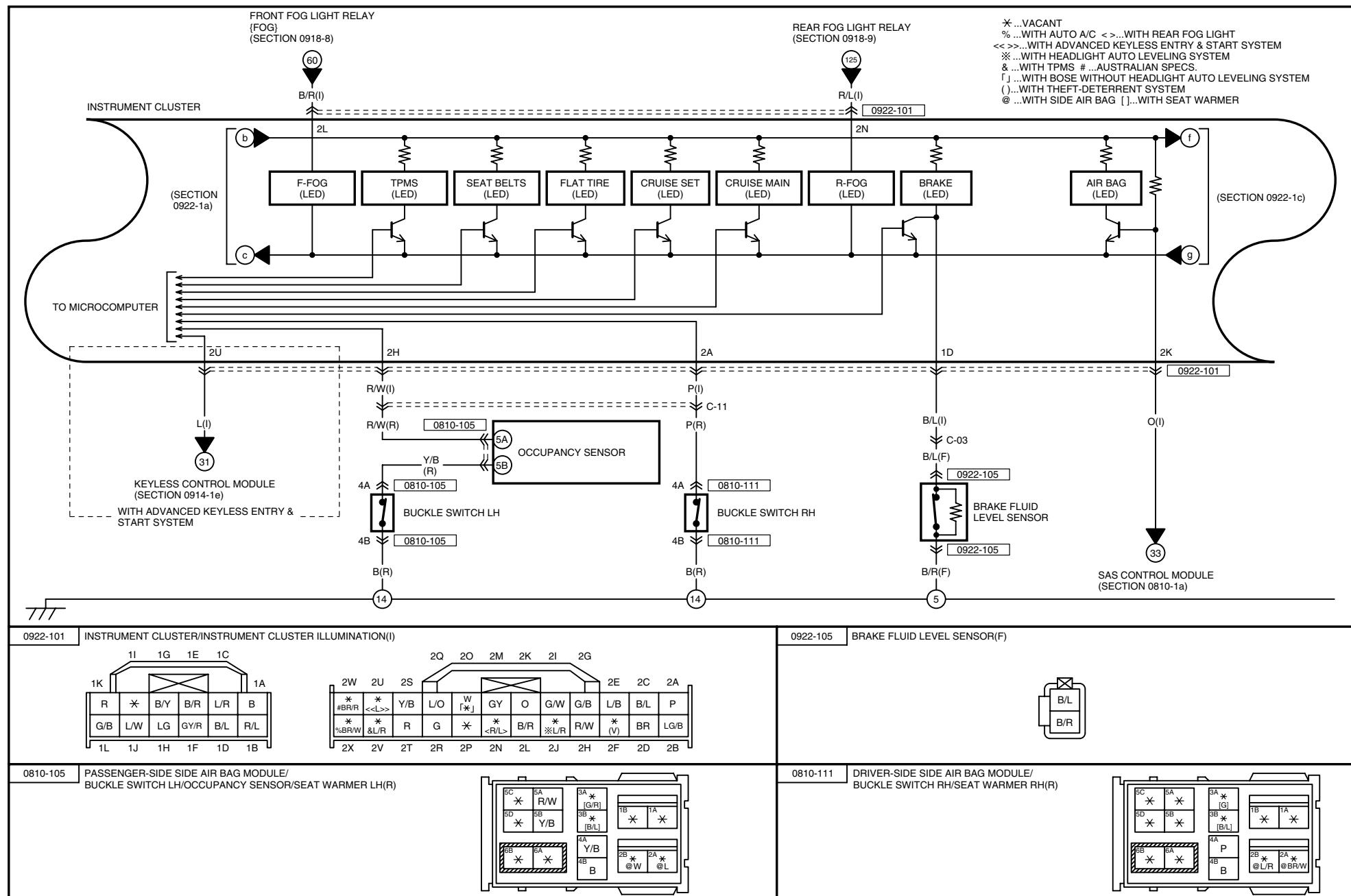


HARNESS SYMBOL: (F) (E) (R)



# INSTRUMENT CLUSTER

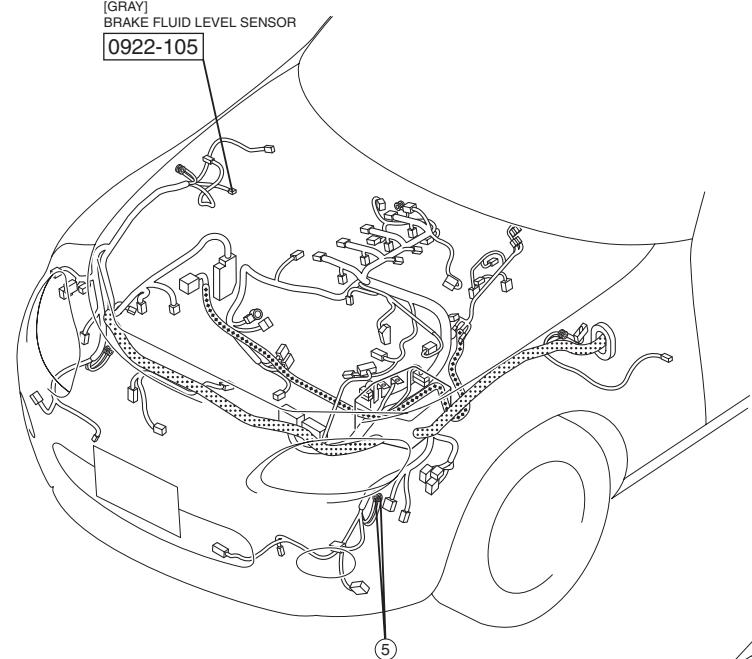
0922-1b



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

[GRAY]  
BRAKE FLUID LEVEL SENSOR

0922-105



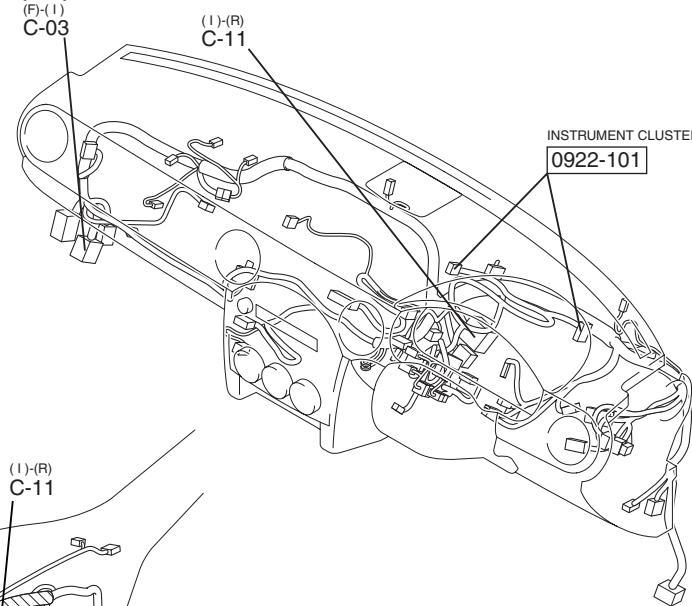
[GRAY]  
(F)-(I)

C-03

(I)-(R)

C-11

INSTRUMENT CLUSTER  
0922-101

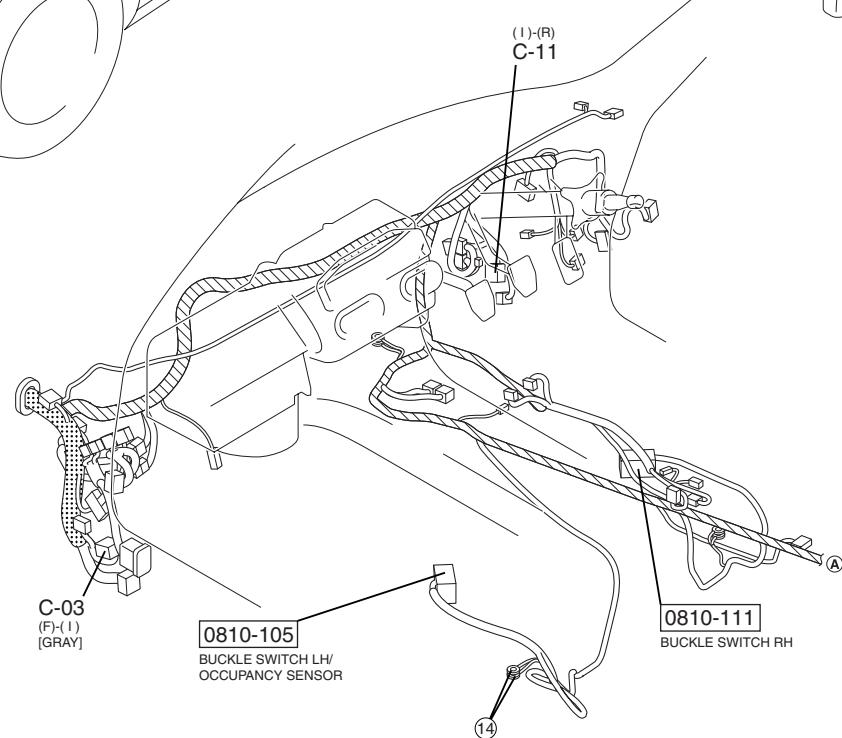


C-03  
(F)-(I)  
[GRAY]

0810-105  
BUCKLE SWITCH LH/  
OCCUPANCY SENSOR

0810-111  
BUCKLE SWITCH RH

14

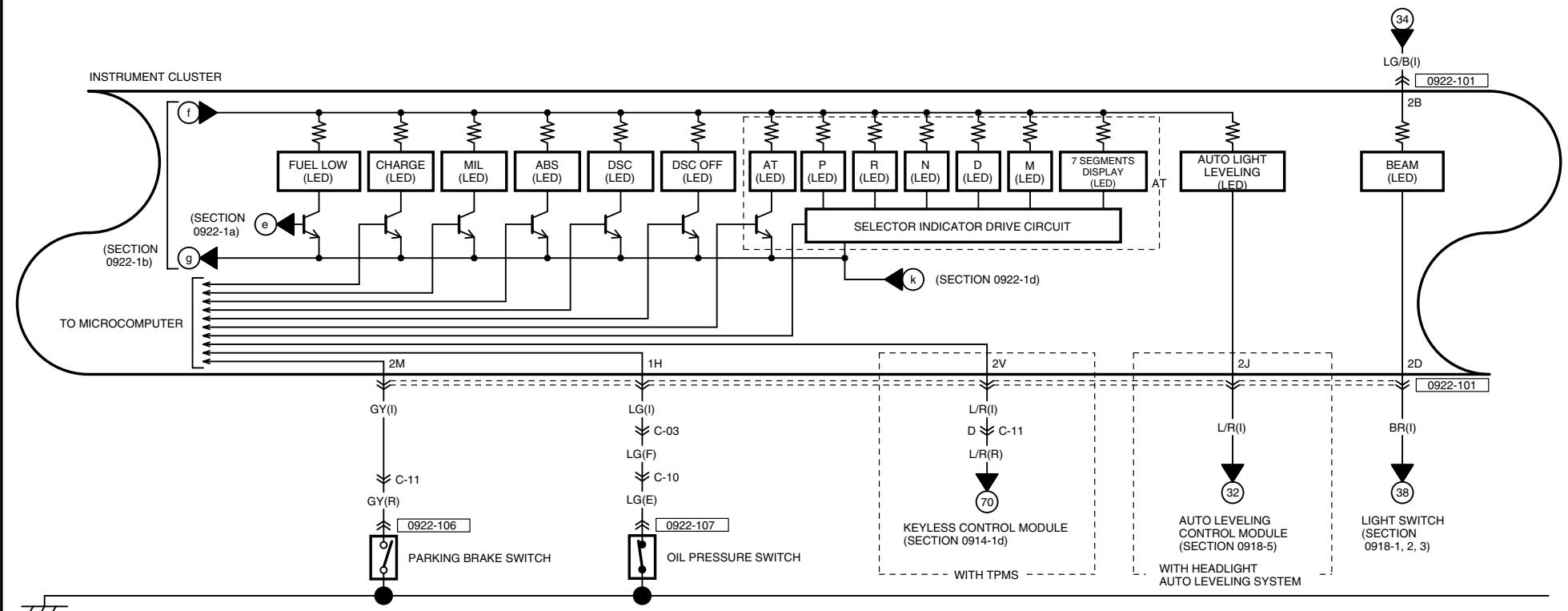


# INSTRUMENT CLUSTER

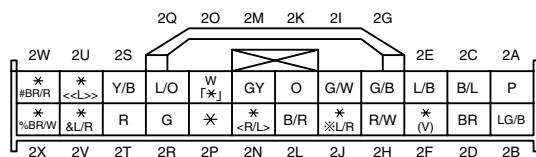
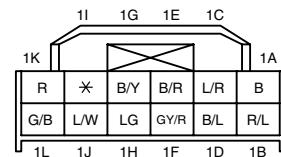
0922-1c

\* ...VACANT % ...WITH AUTO A/C <...>...WITH REAR FOG LIGHT  
 <>>...WITH ADVANCED KEYLESS ENTRY & START SYSTEM \*...WITH HEADLIGHT AUTO LEVELING SYSTEM  
 & ...WITH TPMS # ...AUSTRALIAN SPECs. (...)...WITH THEFT-DETERENT SYSTEM  
 「」...WITH BOSE WITHOUT HEADLIGHT AUTO LEVELING SYSTEM

HEADLIGHT RELAY  
 {HEAD}  
 (SECTION 0918-1, 2, 3)



0922-101 INSTRUMENT CLUSTER/INSTRUMENT CLUSTER ILLUMINATION(I)



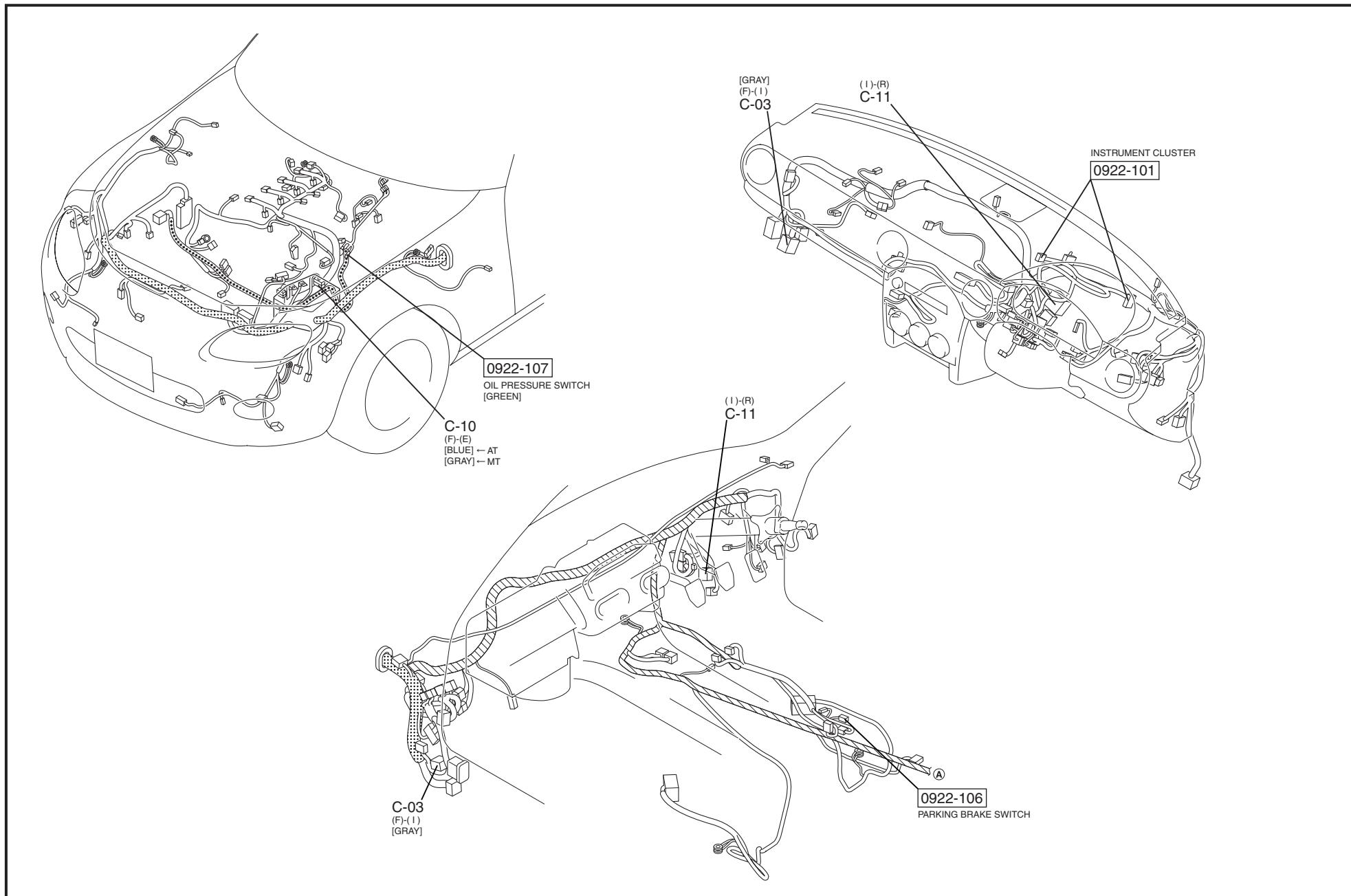
0922-106 PARKING BRAKE SWITCH(R)



0922-107 OIL PRESSURE SWITCH(E)

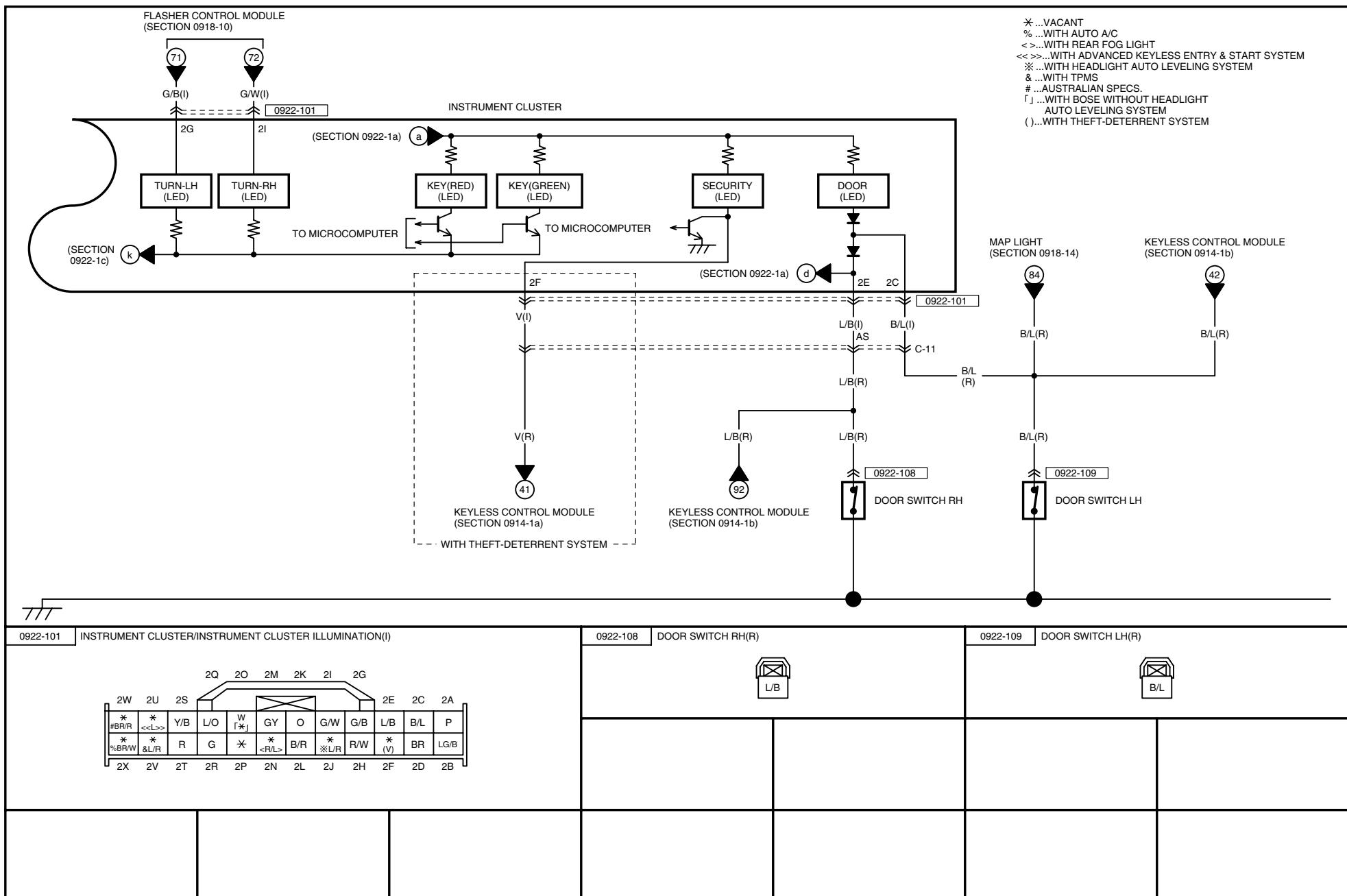



HARNESS SYMBOL: (F) (E) (R)



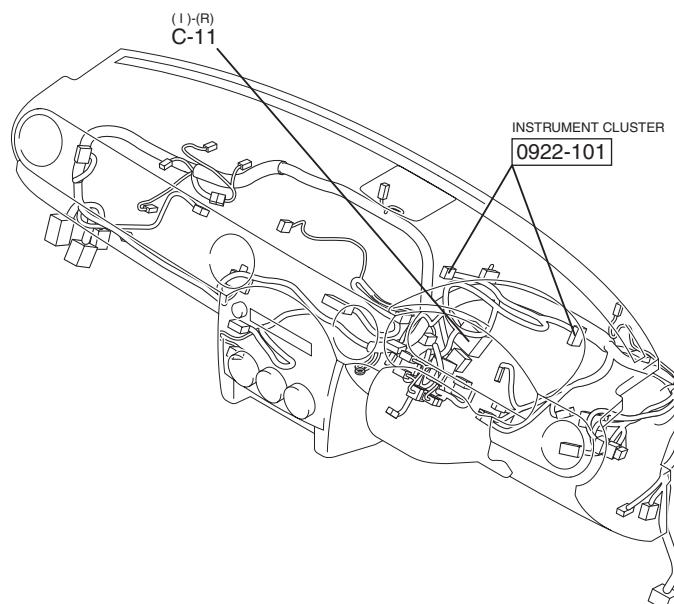
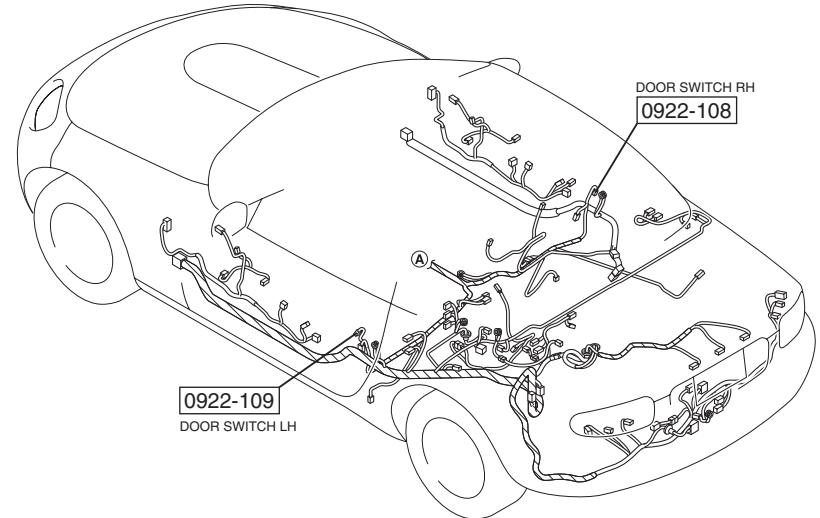
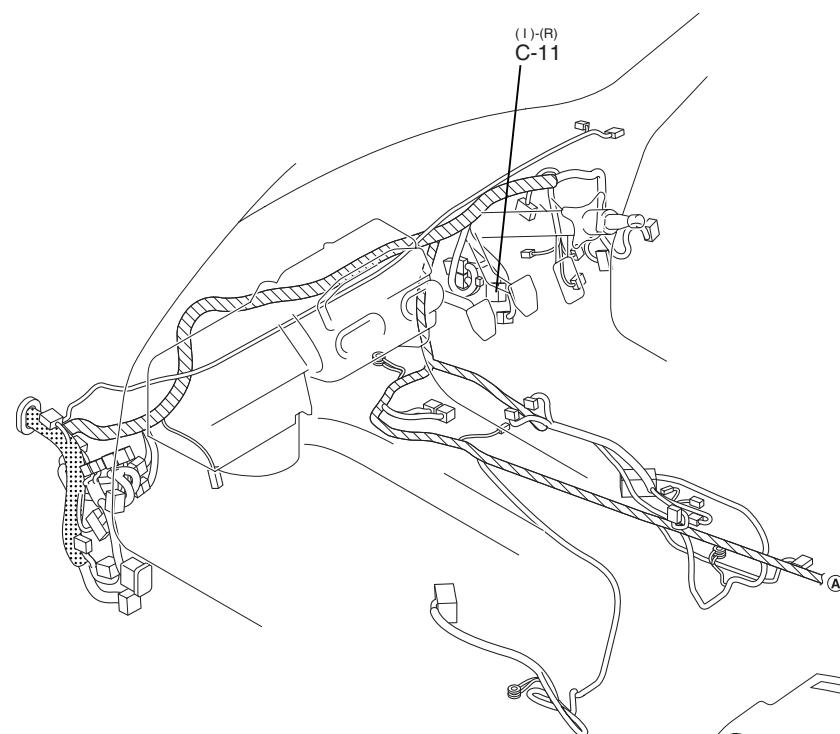
# INSTRUMENT CLUSTER

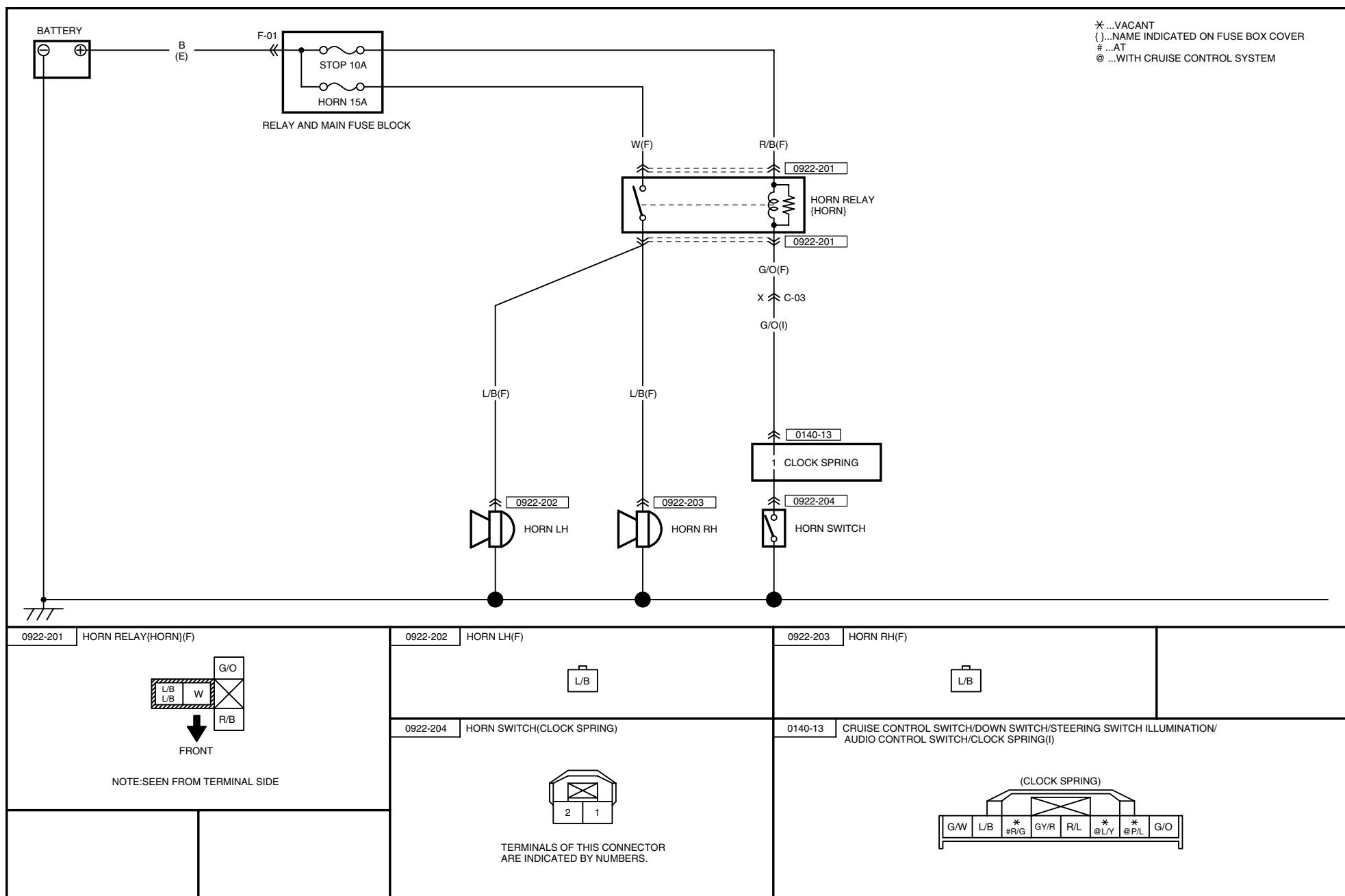
0922-1d



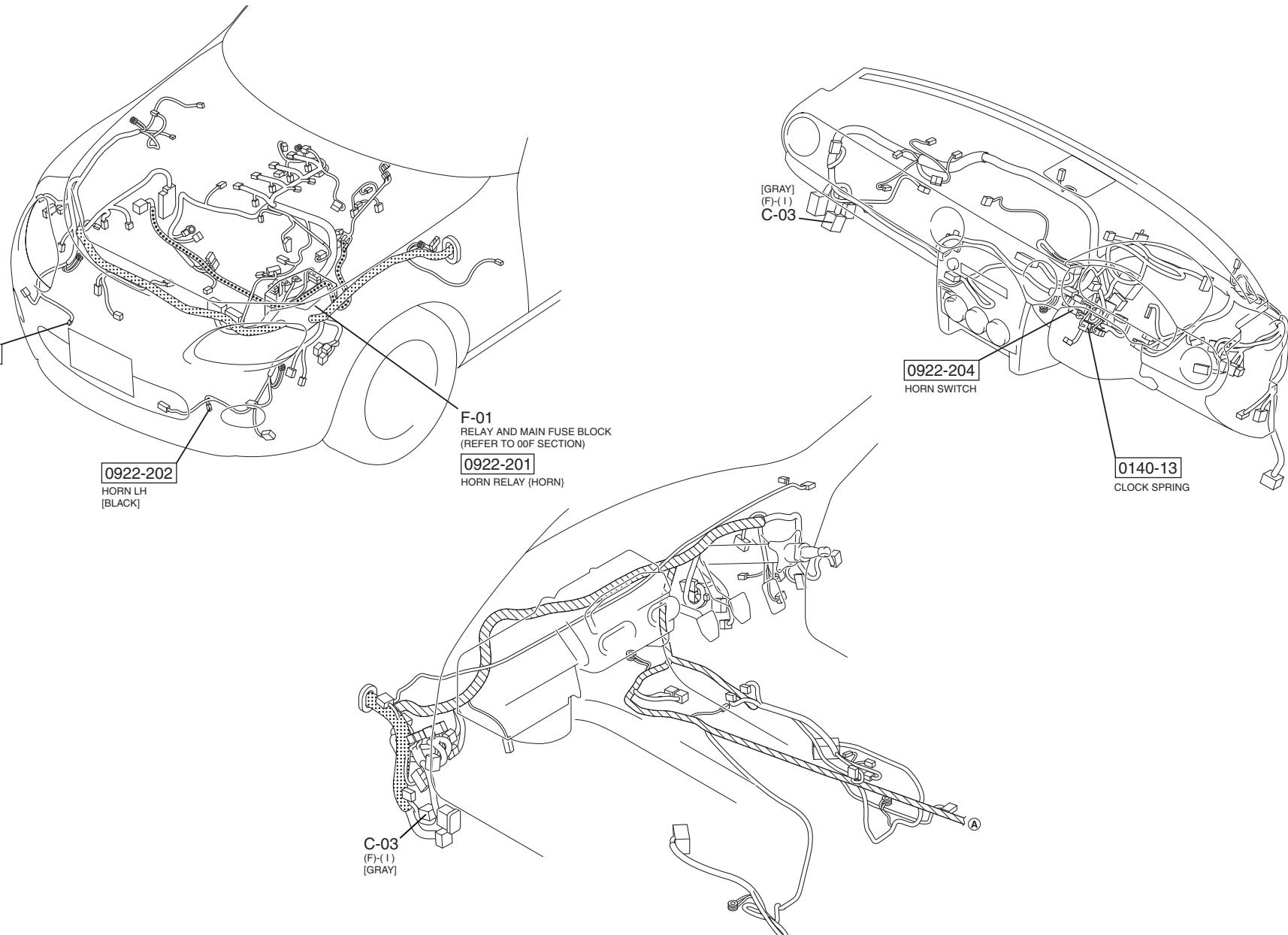
\* ...VACANT  
 % ...WITH AUTO A/C  
 <>...WITH REAR FOG LIGHT  
 <>>...WITH ADVANCED KEYLESS ENTRY & START SYSTEM  
 ※...WITH HEADLIGHT AUTO LEVELING SYSTEM  
 &...WITH TPMS  
 #...AUSTRALIAN SPECS.  
 ↗...WITH BOSE WITHOUT HEADLIGHT AUTO LEVELING SYSTEM  
 (...)...WITH THEFT-DETERRENT SYSTEM

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





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



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