

WARNING

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

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

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

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

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

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

Mazda

BT-50

Wiring Diagram

FOREWORD

This wiring diagram incorporates the wiring schematics of the Mazda BT-50 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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PRINTED IN AUSTRALIA, AUG. 2006
5684-1A-06H

VEHICLE IDENTIFICATION NUMBERS (VIN) (CHASSIS NUMBERS)

Australian specs.

MM0 UNY0E300

MM0 UNY0W300

General (R.H.D.) specs.

MM6 UNY063*0

MM6 UNY0E3*0

MM6 UNY0W3*0

SYSTEM INDEX

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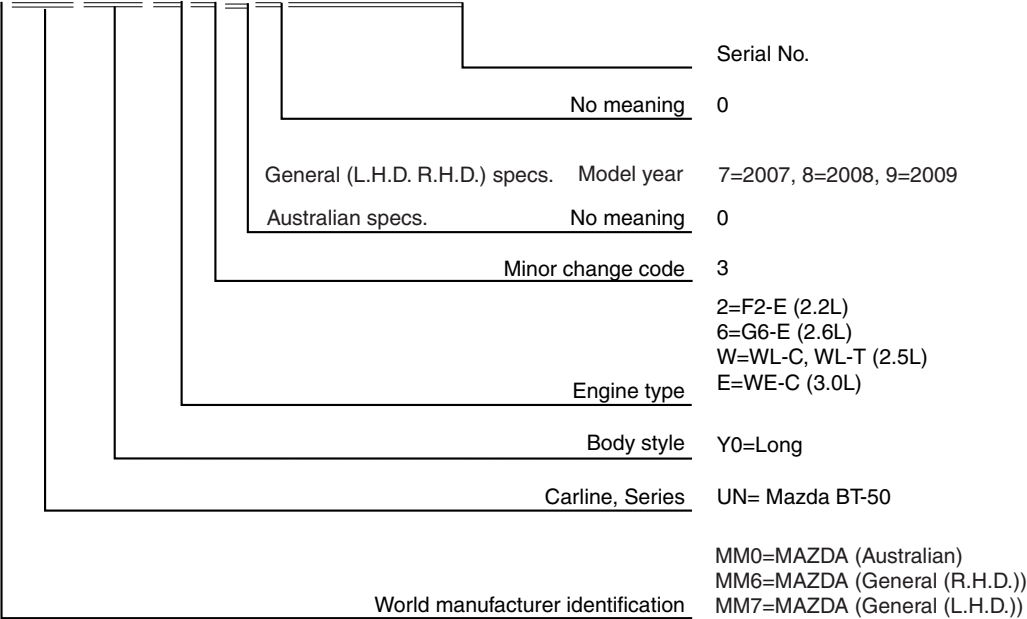
Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

00R

Reading Wiring Diagrams

VEHICLE IDENTIFICATION NUMBER (VIN) CODE

MM0UNY0W300123456



VEHICLE IDENTIFICATION NUMBERS (VIN)

Australian specs.

MM0 UNY0E300

MM0 UNY0W300

General (R.H.D.) specs.

MM6 UNY063*0

MM6 UNY0E3*0

MM6 UNY0W3*0

CONTENTS OF WIRING DIAGRAMS

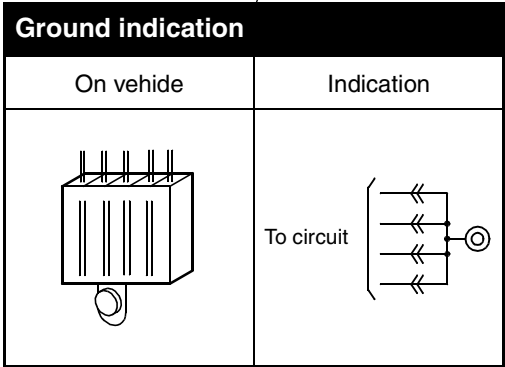
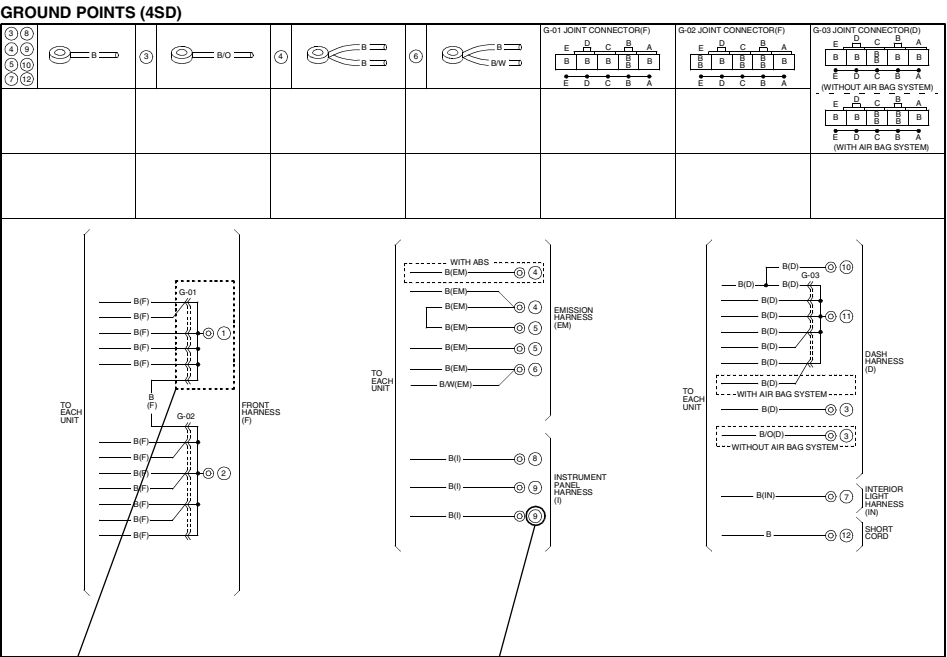
- This manual comprises the sections shown below.

GENERAL INFORMATION	R	Reading wiring diagrams	A how-to on using and reading wiring diagrams, using test equipment, checking harness and connectors, and finding trouble spots
	P	Electrical system general procedures	
	E	Electrical wiring schematic	Shows main fuses and other fuses for each system
	00 F	Fuse box complete wiring system	Shows internal circuits and connectors
	J	Joint box/Junction box complete wiring system	
	C	Common connector list	Shows connectors common throughout system
	G	Ground point	Ground routes from and to the battery
	D	Data link connector	
ENGINE	12	Cooling system	Shows circuit and connector diagrams and component and connector location diagrams
	14	Fuel system	
	17	Charging system	
	01 18	Ignition system	
	19	Starting system	
	20	Cruise control system	
SUSPENSION	02 12	Wheel and tires	
	03 18	4-Wheel drive	
DRIVELINE/AXLE	13	Antilock brake system	
	04 14	Traction control system	
	15	Dynamic stability control	
BRAKES	05 13	Automatic transmission	
	14	Automatic transmission shift mechanism	
	17	Automatic transaxle	
	18	Automatic transaxle shift mechanism	
TRANSMISSION/TRANSAXLE	06 13	Electric power steering (EPS)	
	14	Power steering	
STEERING	07 40	Control system	
	08 10	Air bag system	
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	11	Seat belt	
	12	Glass/Windows/Mirrors	
RESTRAINTS	13	Seats	
	14	Security and locks	
	15	Sunroof	
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	09 18	Lighting systems	
	19	Wiper/Washer system	
	20	Entertainment	
	21	Power systems	
	22	Instrumentation/Driver info.	
	40	Control system	
BODY & ACCESSORIES	AI	Alphabetical Index	Gives page number of circuit diagram for each component

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

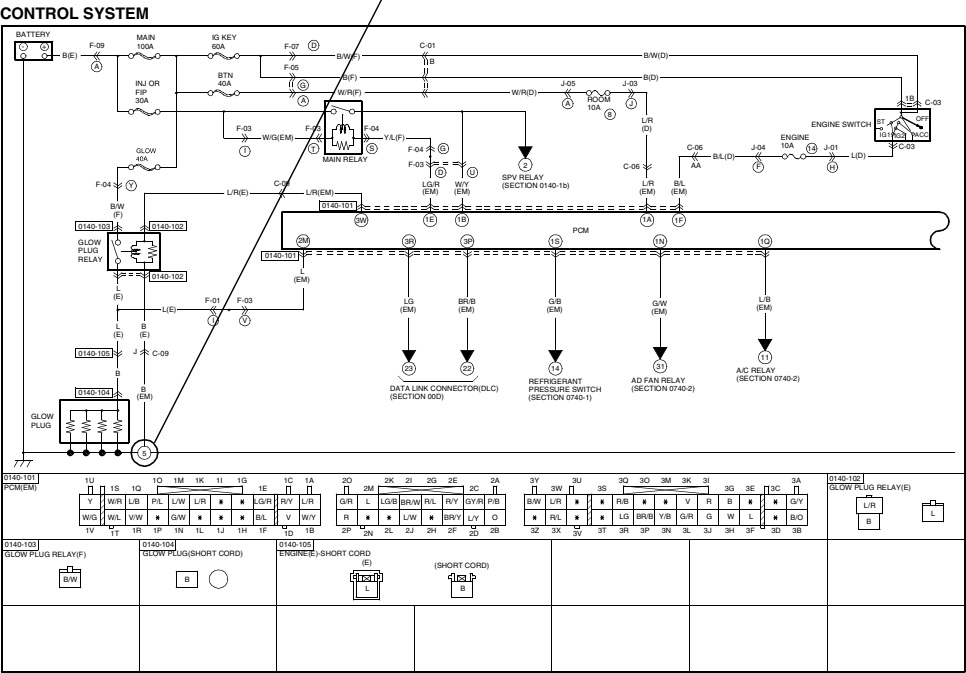
GROUND POINTS

- This shows ground points of the harness.



On circuit diagrams and ground points

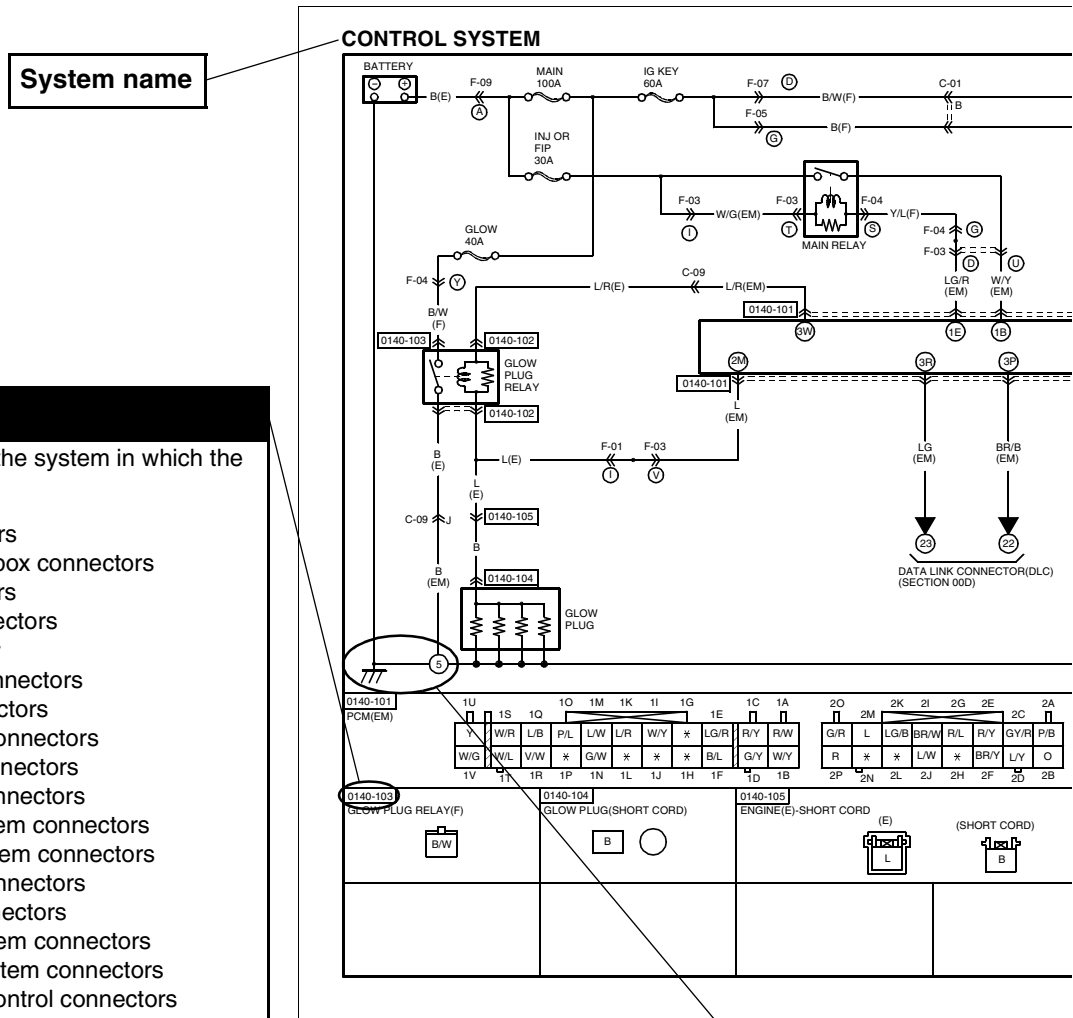
The ground connection numbers in system circuit diagrams correspond to those in the ground point diagram.



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.



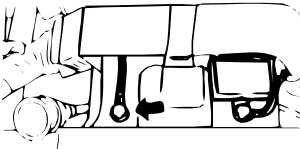
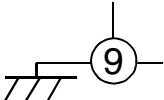
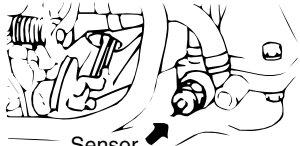
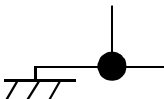
Connector code

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
- 12:** Cooling system connectors
- 14:** Fuel system connectors
- 17:** Charging system connectors
- 18:** Ignition system connectors
- 19:** Starting system connectors
- 20:** Cruise control system connectors
- 10:** Engine control system connectors
- 12:** Wheel and tires connectors
- 18:** 4-Wheel drive connectors
- 13:** Antilock brake system connectors
- 14:** Traction control system connectors
- 15:** Dynamic stability control connectors
- 13:** Automatic transmission connectors
- 14:** Automatic transmission shift mechanism connectors
- 17:** Automatic transaxle connectors
- 18:** Automatic transaxle shift mechanism connectors
- 13:** Electric power steering (EPS) connectors
- 14:** Power steering connectors
- 10:** Heater, ventilation & air conditioning (HVAC) control system connectors
- 10:** Air bag system connectors
- 11:** Seat belt connectors
- 12:** Glass/Windows/Mirrors connectors
- 13:** Seats connectors
- 14:** Security and locks connectors
- 15:** Sunroof connectors
- 16:** Exterior trim
- 18:** Lighting systems connectors
- 19:** Wiper/Washer system connectors
- 20:** Entertainment connectors
- 21:** Power systems
- 22:** Instrumentation/Driver info. Connectors
- 10:** Control system

Ground numbers

A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
<p>Harness</p> 	
<p>Unit</p>  <p>Sensor</p>	

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

System code

Multiplex communication

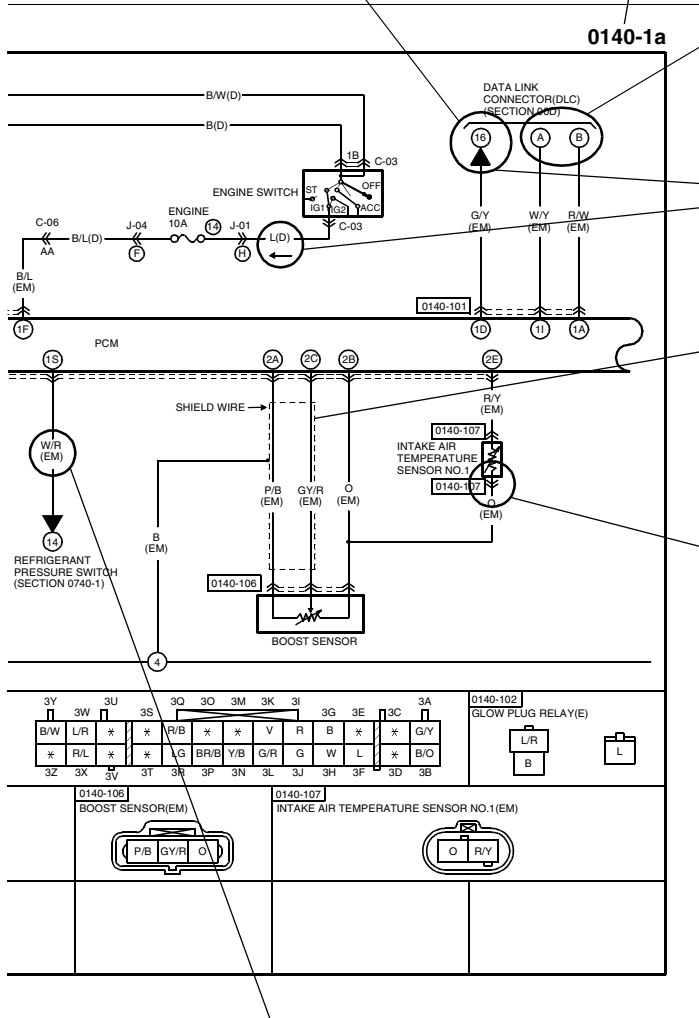
Indicates communication with connected parts. Signals are transmitted back and forth between connected parts.

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.



ROUTING DIAGRAM

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

Connector symbol

Shows the system that uses the connector.

(Example)

Connector	Symbol
Common connectors	C-02
System connectors	0922-05

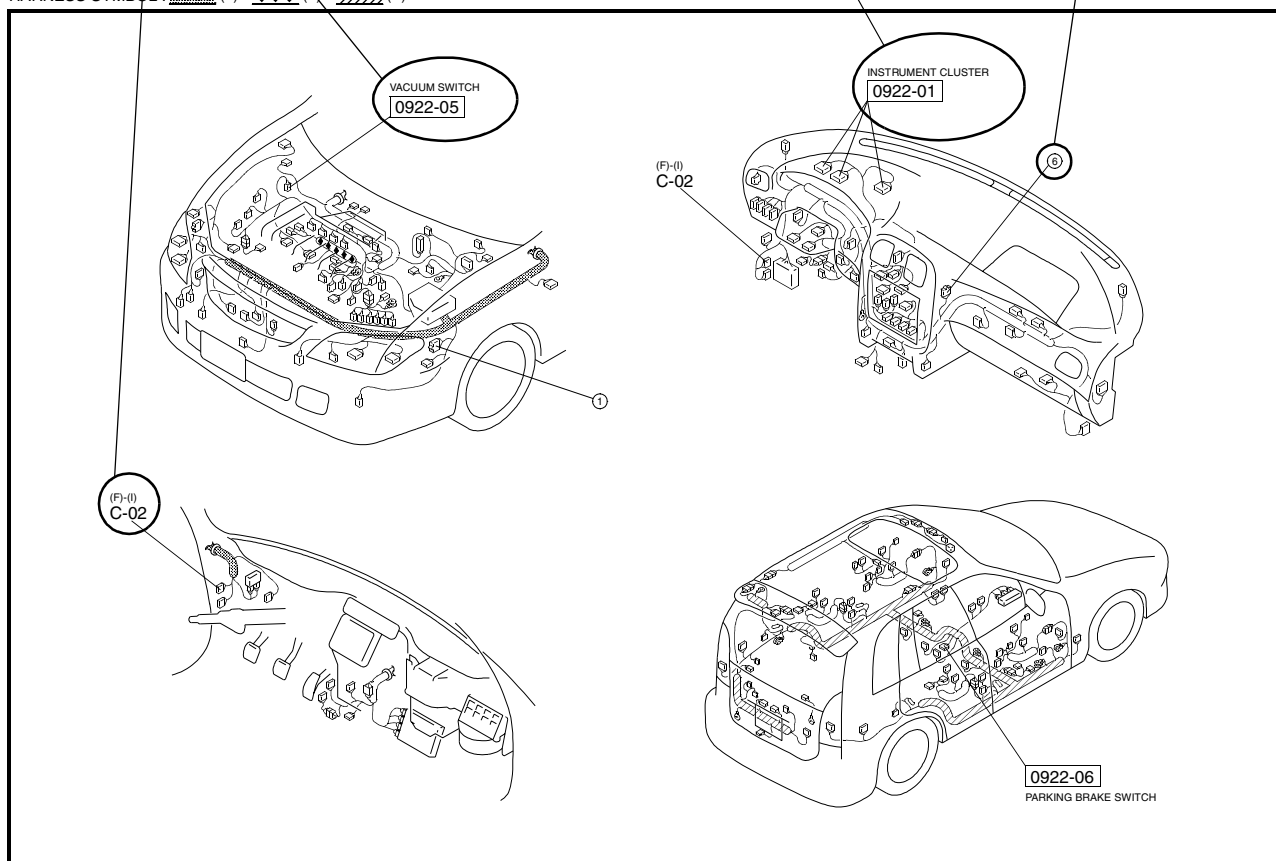
Component name

Shows the names of components in routing diagrams.



Ground symbol

Shows the ground in system diagrams.

HARNESS SYMBOL :  (F)  (B)  (R)



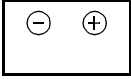

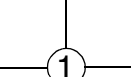







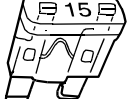
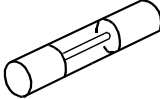


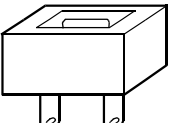
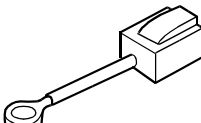

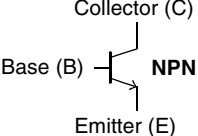


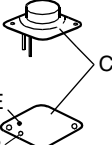

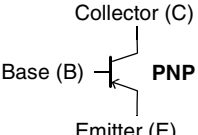
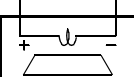
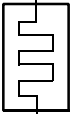
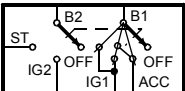
HARNESS SYMBOLS

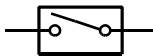


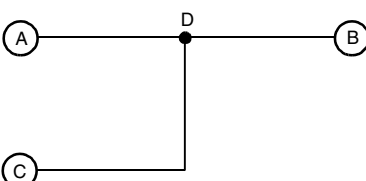

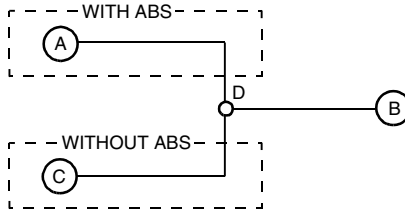
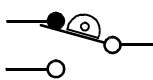
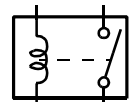
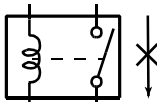
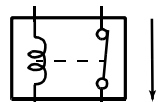
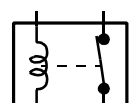
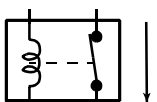
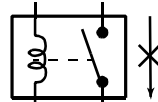

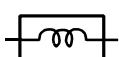









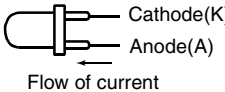
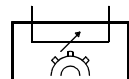



DESCRIPTION OF HARNESS	SYMBOL		DESCRIPTION OF HARNESS	SYMBOL	
FRONT HARNESS	(F)		DOOR No. 1 HARNESS	(DR1)	—
FRONT No. 2 HARNESS	(F2)		DOOR No. 2 HARNESS	(DR2)	
ENGINE HARNESS	(E)		DOOR No. 3 HARNESS	(DR3)	
DASH HARNESS	(D)		DOOR No. 4 HARNESS	(DR4)	
REAR HARNESS	(R)		FLOOR HARNESS	(FR)	—
REAR No. 2 HARNESS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

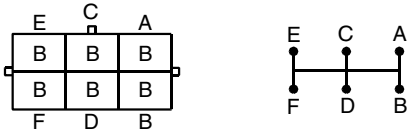
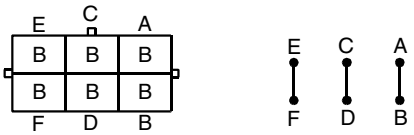
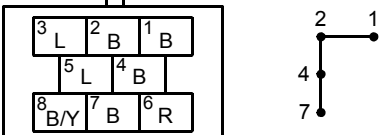
WIRING COLOR CODE

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"> Generates electricity through chemical reaction. Supplies direct current to circuits. 	Light 	<ul style="list-style-type: none"> Emits light and generates heat when current flows through filament.
Ground (1) 	<ul style="list-style-type: none"> Connecting point to vehicle body or other ground wire where current flows from positive to negative terminal of battery. Ground (1) indicates a ground point to body through wire harness. Ground (2) indicates point where component is grounded directly to body. Remarks <ul style="list-style-type: none"> Current will not flow through a circuit if ground is faulty. 		Resistance 
Ground (2) 		Motor 	
Ground (3) 		Pump 	
Fuse 	<ul style="list-style-type: none"> Melts when current flow exceeds that specified for circuit, interrupts current flow. Precautions <ul style="list-style-type: none"> Do not replace with fuses exceeding specified capacity. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><Blade type></p>  </div> <div style="text-align: center;"> <p><Tube type></p>  </div> </div>	Cigarette lighter 	<ul style="list-style-type: none"> Pulls in and discharges gases and liquids.
Fuse (For high current fuse)/ Fusible link 	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><Cartridge type></p>  </div> <div style="text-align: center;"> <p><Fusible link></p>  </div> </div>	Accessory socket 	<ul style="list-style-type: none"> Interior power supply.
Transistor (1) 	<ul style="list-style-type: none"> Electrical switching component. Turns on when voltage is applied to the base (B). <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Collector indication mark</p>  </div> <div style="text-align: center;"> <p>ECB</p>  </div> <div style="text-align: center;">  </div> </div>	Horn 	<ul style="list-style-type: none"> Generates sound when current flows.
Transistor (2) 	<ul style="list-style-type: none"> Reading code. <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>2 S C 828 A</p> <p>Semiconductor Number of terminals</p> </div> <div> <p>Revision mark</p> <p>A: High-frequency PNP B: Low-frequency PNP C: High-frequency NPN D: Low-frequency NPN</p> </div> </div>	Speaker 	Heater 
		Ignition switch 	<ul style="list-style-type: none"> Turning ignition key switches circuit to operate various component. (NOTE) Ignition switch is called engine switch on diesel vehicles.

Symbol	Meaning	Symbol	Meaning
Switch (1)  Normally open	<ul style="list-style-type: none">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. Selection  Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.	 For vehicles with ABS, use the A-B circuit.
Switch (2)  Normally closed			 For vehicles without ABS, use the C-B circuit.
Autostop switch 			
Relay (1)  Normally open	<ul style="list-style-type: none">Current flowing through coil produces electromagnetic force causing contact to open or close. <div><div>No current to coil  No flow</div><div>Current to coil  Flow</div></div>		
Relay (2)  Normally closed	<ul style="list-style-type: none">Current flowing through coil produces electromagnetic force causing contact to close. <div><div>No current to coil  Flow</div><div>Current to coil  No flow</div></div>		
Sensor (1) 	<ul style="list-style-type: none">Detects characteristics such as intake manifold vacuum and airflow amount according to resistance variation.	Solenoid 	<ul style="list-style-type: none">Current flowing through coil generates electromagnetic force to operate plungers.
Sensor (2) 	<ul style="list-style-type: none">Detects resistance variation according to operation of other parts.	Diode 	<ul style="list-style-type: none">Known as a semiconductor rectifier, the diode allows current flow in one direction only. <div>Cathode(K)  Anode(A) ← Flow of electric current K--A K--A K--A</div>
Sensor (3) 	<ul style="list-style-type: none">A resistor whose resistance variation according to temperature variation.When temperature increases, resistance decreases.	Light-emitting diode (LED) 	<ul style="list-style-type: none">A diode that lights when current flows.Unlike ordinary bulbs, the diode does not generate heat when lit. <div>Cathode(K)  Anode(A)  Flow of current</div>
Sensor (4) 	<ul style="list-style-type: none">Detects pulse signals from rotating object.		
Sensor (5) 	<ul style="list-style-type: none">Generates potential difference when tension or pressure is applied.		
Capacitor 	<ul style="list-style-type: none">Component that temporarily stores electrical charge.	Reference diode (Zener diode) 	<ul style="list-style-type: none">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
<p>Extent of the change in the wiring position (1)</p> 	<ul style="list-style-type: none"> The wiring position can be exchanged freely within the connector.
<p>Extent of the change in the wiring position (2)</p> 	<ul style="list-style-type: none"> The wiring position can be exchanged according to the following combinations only. Between A and B, Between C and D, Between E and F
<p>Extent of the change in the wiring position (3)</p> 	<ul style="list-style-type: none"> The wiring position can be exchanged according to the following combinations only. Between 1, 2, 4 and 7. The wiring positions may be indicated by numbers for some connectors.

SERVICE WARNING AND CAUTION FOR VEHICLES WITH SRS AIR BAG SYSTEM

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

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

SERVICE WARNING FOR VEHICLES WITH DISCHARGE HEADLIGHTS

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

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

ABBREVIATIONS USED IN THIS MANUAL

3GR	THIRD GEAR
4GR	FOURTH GEAR
A	AMPERE
A/C	AIR CONDITIONING
A/F	AIR FUEL
AAS	AUTO ADJUSTING SUSPENSION
ABS	ANTILOCK BRAKE SYSTEM
ACC	ACCESSORIES
ACV	AIR CONTROL VALVE
ADD	ADDITIONAL
AIS	AIR INJECTION SYSTEM
ALL	AUTOMATIC LOAD LEVELING
AM	AMPLITUDE MODULATION
AMP	AMPLIFIER
ANT	ANTENNA
ASV	AIR SUPPLY VALVE
AT	AUTOMATIC TRANSMISSION
ATX	AUTOMATIC TRANSAXLE
B+	BATTERY POSITIVE VOLTAGE
BAC	BYPASS AIR CONTROL
CAN	CONTROLLER AREA NETWORK
CIGAR	CIGARETTE

CIS	CONTINUOUS FUEL INJECTION SYSTEM
CKP	CRANKSHAFT POSITION SENSOR
CM	CONTROL MODULE
CMP	CAMSHAFT POSITION SENSOR
COMBI	COMBINATION
CON	CONDITIONER
CONT	CONTROL
CPU	CENTRAL PROCESSING UNIT
DEF	DEFROSTER
DI	DISTRIBUTOR IGNITION
DLC	DATA LINK CONNECTOR
DLI	DISTRIBUTORLESS IGNITION
DOHC	DOUBLE-OVERHEAD CAMSHAFT
DRL	DAYTIME RUNNING LIGHT
DTC	DIAGNOSTIC TROUBLE CODE(S)
DTM	DIAGNOSTIC TEST MODE
ECPS	ELECTRONICALLY CONTROLLED POWER STEERING
ECT	ENGINE CONTROL TEMPERATURE
EGR	EXHAUST GAS RECIRCULATION
EHPAS	ELECTRO HYDRAULIC POWER ASSIST STEERING
EI	ELECTRONIC IGNITION

ELEC	ELECTRIC
ELR	EMERGENCY LOCKING RETRACTOR
ET	ELECTRONIC THROTTLE
EPS	ELECTRIC POWER STEERING
EVAP	EVAPORATIVE EMISSION
F	FRONT
F/I	FUEL INJECTOR
FICB	FAST-IDLE CAM BREAKER
FM	FREQUENCY MODULATION
FP	FUEL PUMP
FPR	FUEL PUMP RELAY
GEN	GENERATOR
GND	GROUND
H/D	HEATER/DEFROSTER
HEAT	HEATER
HI	HIGH
HO2S	HEATED OXYGEN SENSOR
HS	HIGH SPEED
HU	HYDRAULIC UNIT
IAC	IDLE AIR CONTROL
IAT	INTAKE AIR TEMPERATURE
IG	IGNITION
ILLUMI	ILLUMINATION
INT	INTERMITTENT
JB	JOINT BOX
KS	KNOCK SENSOR
LCD	LIQUID CRYSTAL DISPLAY
LF	LEFT FRONT
LH	LEFT HAND
LO	LOW
LR	LEFT REAR
M	MOTOR
MAF	MASS AIR FLOW
MAP	MANIFOLD ABSOLUTE PRESSURE
MFI	MULTIPOINT FUEL INJECTION
MID	MIDDLE
MIL	MALFUNCTION INDICATOR LAMP
MIN	MINUTE
MIX	MIXTURE
MPX	MULTIPLEX
MS	MIDDLE SPEED
MT	MANUAL TRANSMISSION
MTX	MANUAL TRANSAXLE
N	NEUTRAL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O ₂ S	OXYGEN SENSOR
OBD	ON-BOARD DIAGNOSTIC
O/D	OVER DRIVE
OFF	SWITCH OFF
ON	SWITCH ON
OSC	OSCILLATOR
P	POWER

P/S	POWER STEERING
PCM	POWERTRAIN CONTROL MODULE
PJB	PASSENGER JUNCTION BOX
PNP	PARK/NEUTRAL POSITION
PRC	PRESSURE REGULATOR CONTROL
PRG	PURGE SOLENOID VALVE
PSP	POWER STEERING PRESSURE
PTC	POSITIVE TEMPERATURE COEFFICIENT HEATER
PWM	PULSE WIDTH MODULATION
QSS	QUICK-START SYSTEM
R	REAR
REC	RECIRCULATION
RF	RIGHT FRONT
RH	RIGHT HAND
RPM	REVOLUTIONS PER MINUTE
RR	RIGHT REAR
SAS	SOPHISTICATED AIR BAG SENSOR
SFI	SEQUENTIAL MULTIPOINT FUEL INJECTION
SOL	SOLENOID
SPV	SPILL VALVE
ST	START
SW	SWITCH
TC	TURBOCHARGER
TCC	TORQUE CONVERTER CLUTCH
TCM	TRANSMISSION(TRANSAXLE) CONTROL MODULE
TCS	TRACTION CONTROL SYSTEM
TEMP	TEMPERATURE
TFT	TRANSAXLE FLUID TEMPERATURE
TICS	TRIPLE INDUCTION CONTROL SYSTEM
TNS	TAIL NUMBER SIDE LIGHTS
TP	THROTTLE POSITION SENSOR
TR	TRANSMISSION(TRANSAXLE) RANGE
TWS	TOTAL WIRING SYSTEM
V	VOLT
VAF	VOLUME AIR FLOW SENSOR
VENT	VENTILATION
VICS	VARIABLE INERTIA CHARGING SYSTEM
VOL	VOLUME
VR	VOLTAGE REGULATOR
VRIS	VARIABLE RESONANCE INDUCTION SYSTEM
VSS	VEHICLE SPEED SENSOR
VTCS	VARIABLE TUMBLE CONTROL SYSTEM
W	WATT(S)
WOT	WIDE OPEN THROTTLE

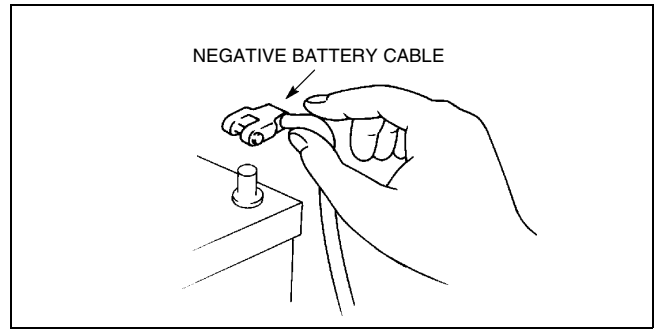
00P Electrical System General Procedures

ELECTRICAL PARTS

B6U00000006W03

Battery Cable

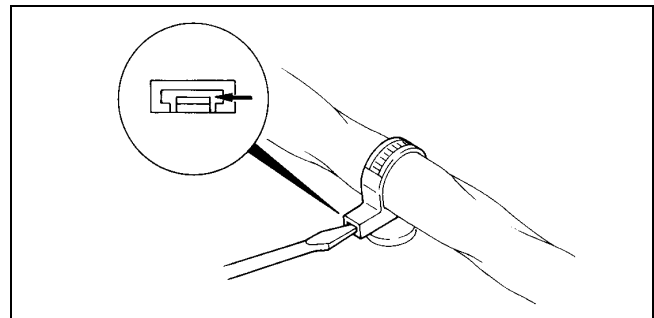
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

Wiring Harness

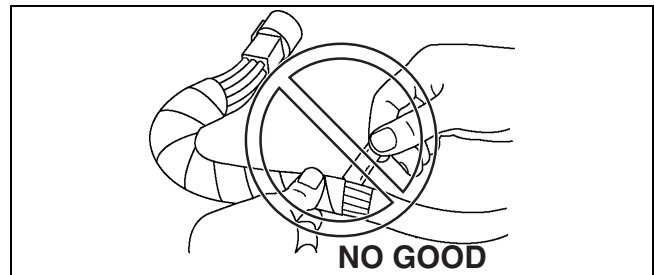
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



WGIWXX0039E

Caution

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



WGIWXX0040E

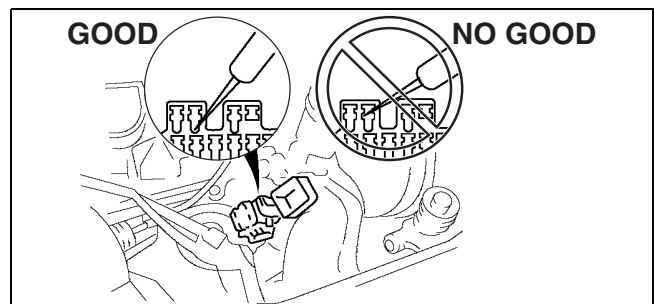
CONNECTORS

Data Link Connector

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

Caution

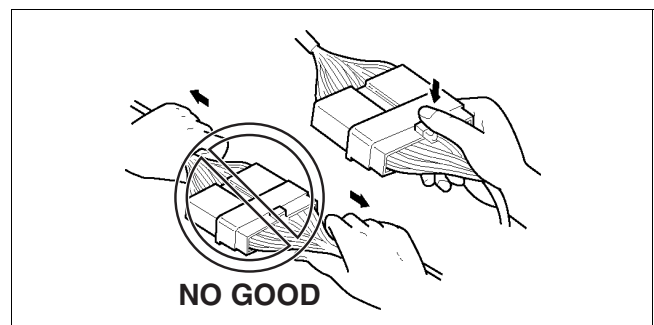
- Inserting a jumper wire probe into the data link connector terminal may damage the terminal.



X3U000WAY

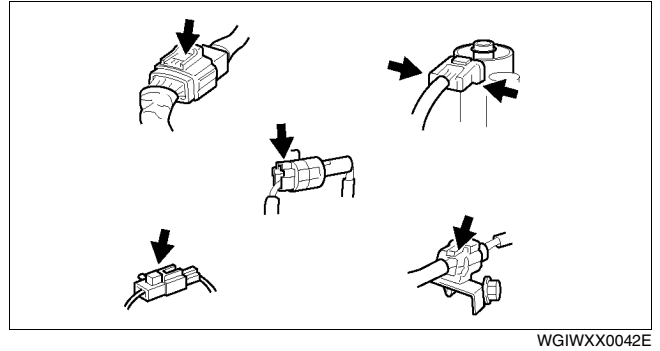
Disconnecting Connectors

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



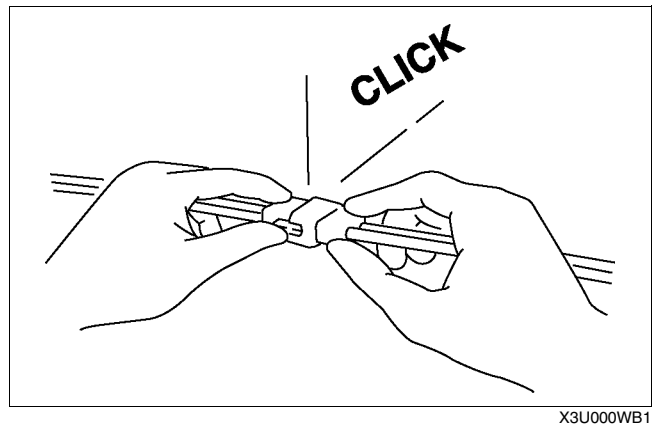
WGIWXX0041E

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



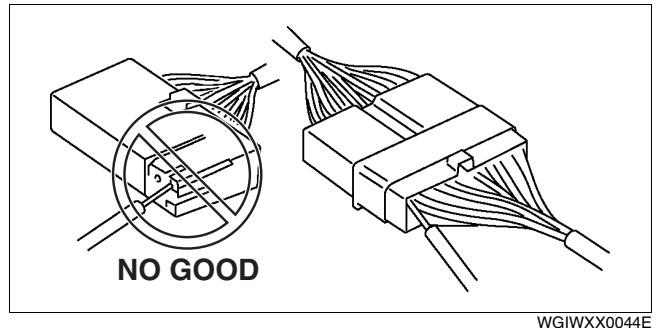
Locking Connector

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



Inspection

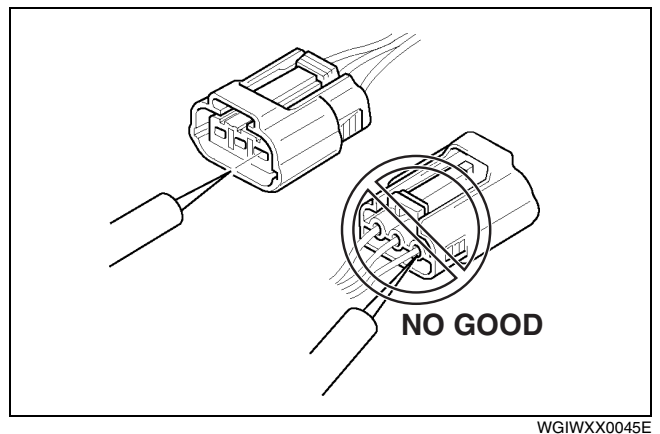
- When a tester is used to inspect for continuity or measuring voltage, insert the tester probe from the wiring harness side.



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

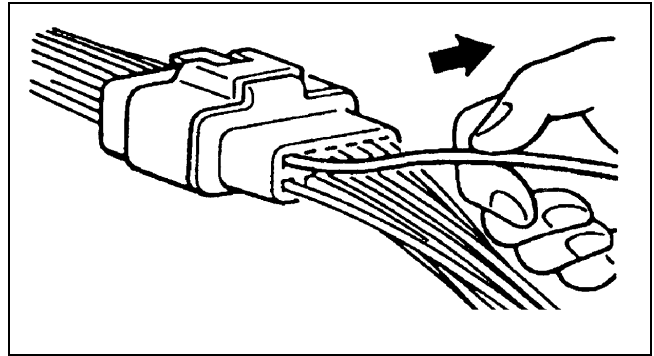
Caution

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



Terminals**Inspection**

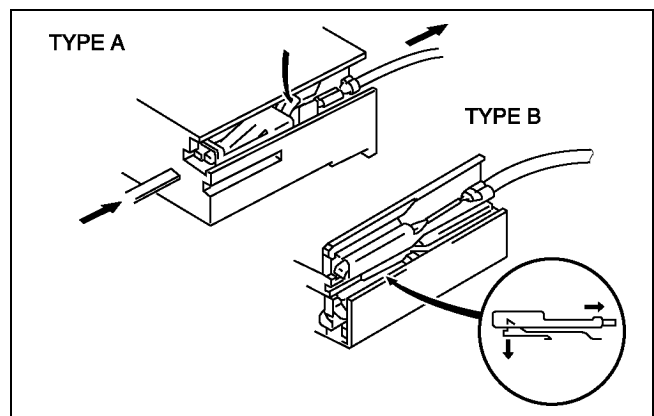
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

Replacement

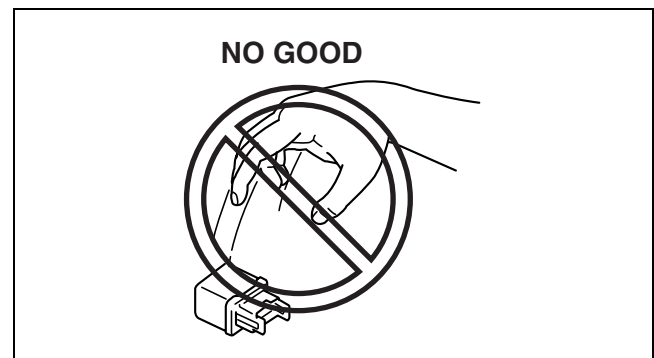
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

Sensors, Switches, And Relays

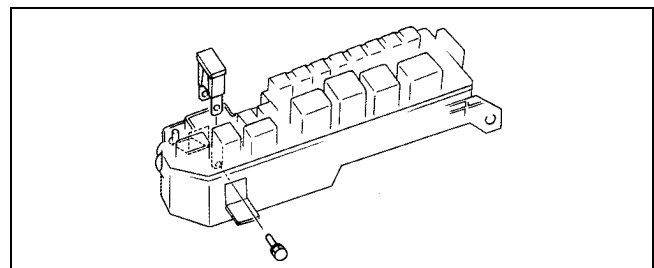
- Handle sensors, switches, and relays carefully. Do not drop them or strike them against other objects.



X3U000WB6

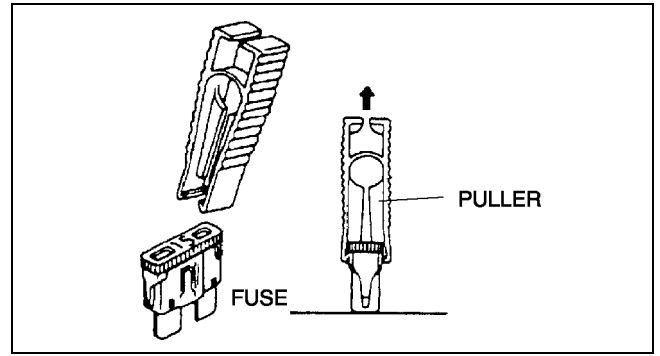
Fuse**Replacement**

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



YMU000WA1

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



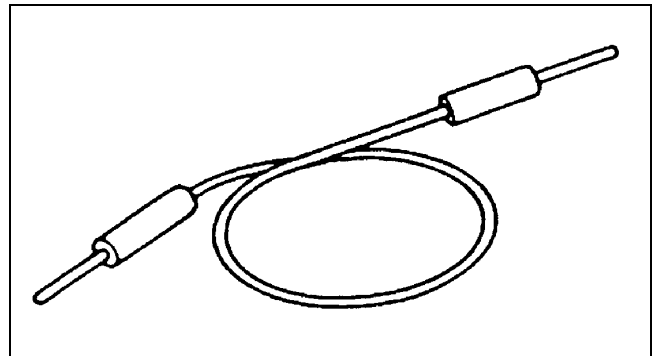
ELECTRICAL TROUBLESHOOTING TOOLS

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.

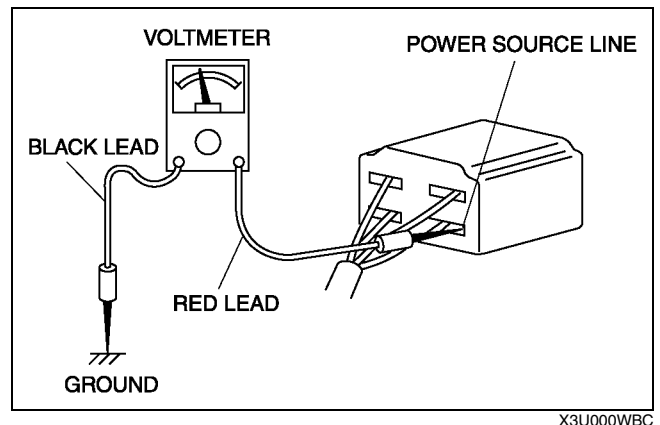
Caution

- 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.**



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.

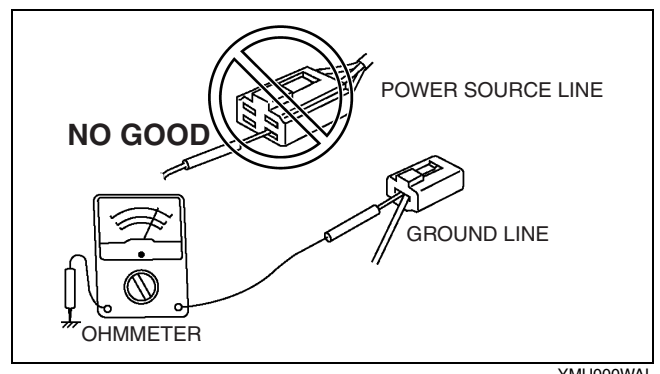


Ohmmeter

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

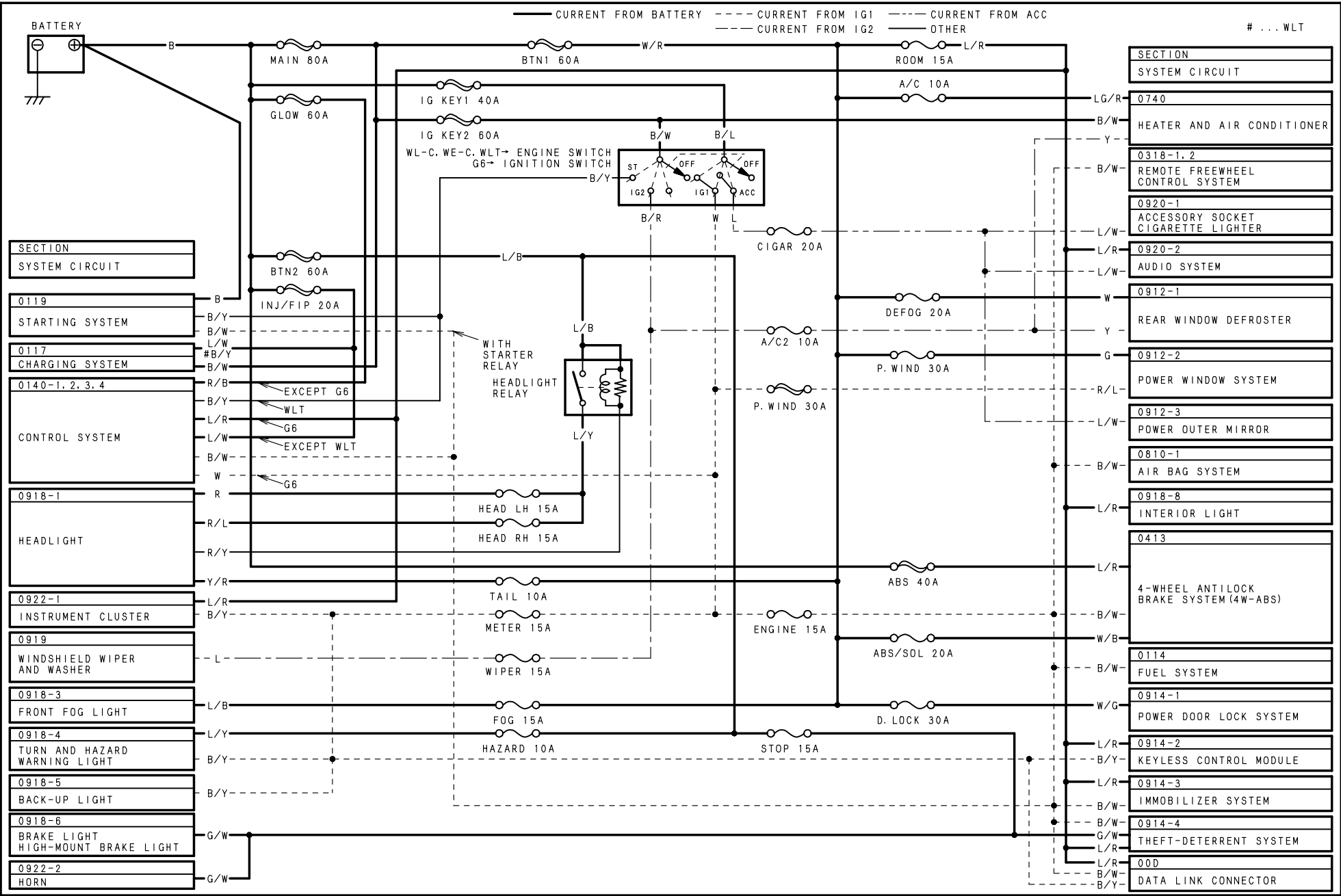
Caution

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



ELECTRICAL WIRING SCHEMATIC

00E



SECTION
SYSTEM CIRCUIT

0119
STARTING SYSTEM

0117
CHARGING SYSTEM

0140-1, 2, 3, 4
CONTROL SYSTEM

0918-1
HEADLIGHT

0922-1
INSTRUMENT CLUSTER

0919
WINDSHIELD WIPER
AND WASHER

0918-3
FRONT FOG LIGHT

0918-4
TURN AND HAZARD
WARNING LIGHT

0918-5
BACK-UP LIGHT

0918-6
BRAKE LIGHT
HIGH-MOUNT BRAKE LIGHT

0922-2
HORN

SECTION
SYSTEM CIRCUIT

0740
HEATER AND AIR CONDITIONER

0318-1, 2
REMOTE FREEWHEEL
CONTROL SYSTEM

0920-1
ACCESSORY SOCKET
CIGARETTE LIGHTER

0920-2
AUDIO SYSTEM

0912-1
REAR WINDOW DEFROSTER

0912-2
POWER WINDOW SYSTEM

0912-3
POWER OUTER MIRROR

0810-1
AIR BAG SYSTEM

0918-8
INTERIOR LIGHT

0413
4-WHEEL ANTILOCK
BRAKE SYSTEM (4W-ABS)

0114
FUEL SYSTEM

0914-1
POWER DOOR LOCK SYSTEM

0914-2
KEYLESS CONTROL MODULE

0914-3
IMMOBILIZER SYSTEM

0914-4
THEFT-DETERRENT SYSTEM

00D
DATA LINK CONNECTOR

... WLT

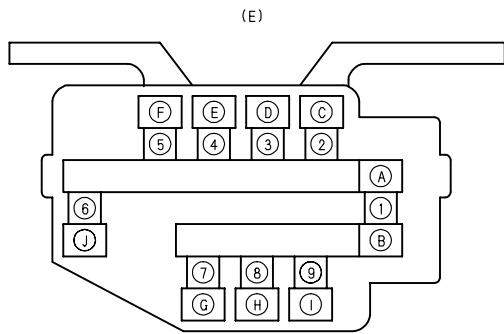
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FUSE BOX

00F

F-01 MAIN FUSE BLOCK

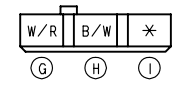
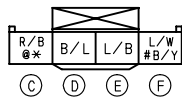
* ... VACANT
... WLT
@ ... G6



(E)



(F)



(F2)



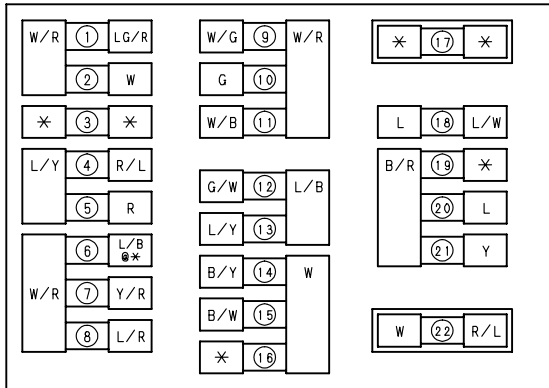
NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
①	MAIN	80A	⑥	(ABS)	40A
②	(GLOW)	60A	⑦	BTN1	60A
③	IG KEY1	40A	⑧	IG KEY2	60A
④	BTN2	60A	⑨	(PTC/AT)	30A
⑤	(INJ/FIP)	20A			

() IF EQUIPPED

NOTE:SEEN FROM TERMINAL SIDE

F-02 FUSE BLOCK (F)

* ... VACANT
@ ... G6



NOTE:SEEN FROM TERMINAL SIDE

NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
①	(A/C)	10A	⑫	STOP	15A
②	(DEFOG)	20A	⑬	HAZARD	10A
③	(R. FOG)	10A	⑭	METER	15A
④	HEAD RH	15A	⑮	ENGINE	15A
⑤	HEAD LH	15A	⑯	*	*
⑥	(FOG)	15A	⑰	*	*
⑦	TAIL	10A	⑱	CIGAR	20A
⑧	ROOM	15A	⑲	(SEAT)	15A
⑨	(D. LOCK)	30A	⑳	WIPER	15A
⑩	(P. WIND)	30A	㉑	(A/C2)	10A
⑪	(ABS/SOL)	20A	㉒	(P. WIND)	30A

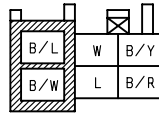
() IF EQUIPPED

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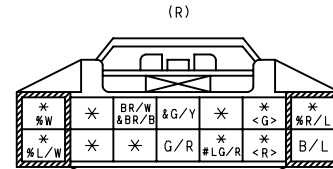
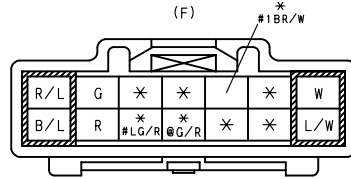
COMMON CONNECTOR LIST

00C-1

C-01 ENGINE SWITCH (F) ←WL-C, WE-C, WLT
IGNITION SWITCH (F) ←G6

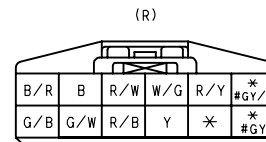
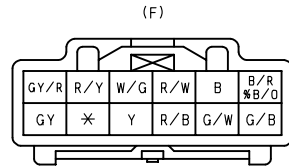


C-02 FRONT (F) - REAR (R)



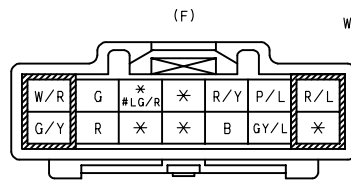
* ... VACANT
... WITH THEFT-DETERRENT SYSTEM
< > ... WITH REAR POWER DOOR LOCK SYSTEM
% ... WITH REAR POWER WINDOW SYSTEM
& ... NOT USED
@ ... G6
#1... WITH BUCKLE SWITCH

C-03 FRONT (F) - REAR (R)

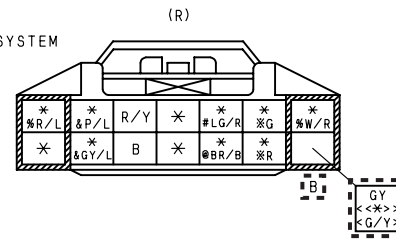


* ... VACANT
... WITH REAR SPEAKER
% ... G6

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

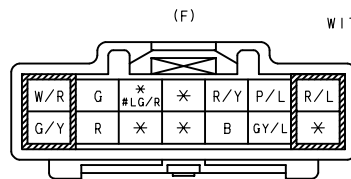


WITH AIR BAG SYSTEM

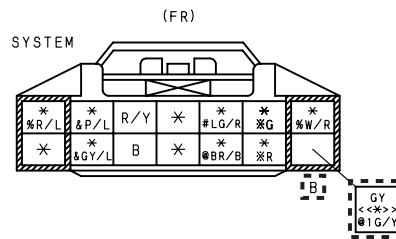


* ... VACANT
... WITH THEFT-DETERRENT SYSTEM
@ ... NOT USED
% ... WITH REAR POWER WINDOW SYSTEM
& ... WITH REAR SPEAKER
* ... WITH REAR POWER DOOR LOCK SYSTEM
< > ... WITH REAR POWER WINDOW SYSTEM
"C-04 CONNECTOR B TERMINAL
WIRE COLOR: GREEN/YELLOW"
<< >> ... WITHOUT REAR POWER WINDOW SYSTEM

C-04 FRONT (F) - FLOOR (FR)



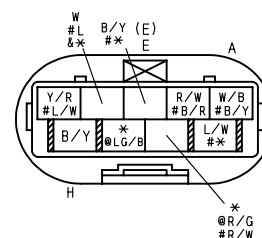
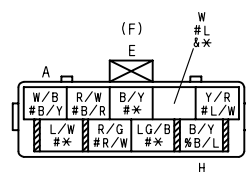
WITHOUT AIR BAG SYSTEM



* ... VACANT
... WITH THEFT-DETERRENT SYSTEM
@ ... NOT USED
% ... WITH REAR POWER WINDOW SYSTEM
& ... WITH REAR SPEAKER
* ... WITH REAR POWER DOOR LOCK SYSTEM
@1... WITH REAR POWER WINDOW SYSTEM
"C-04 CONNECTOR B TERMINAL
WIRE COLOR: GREEN/YELLOW"
<< >> ... WITHOUT REAR POWER WINDOW SYSTEM

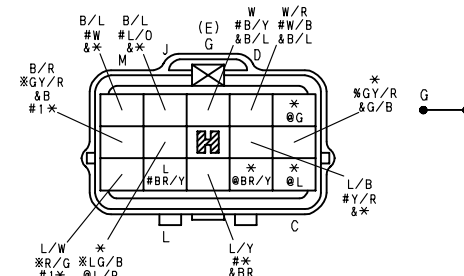
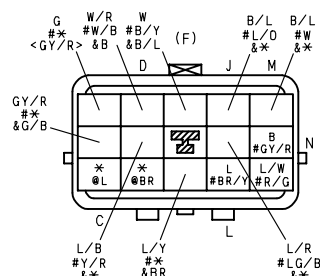
COMMON CONNECTOR LIST

C-05 FRONT (F) -ENGINE (E)



* ... VACANT
... WLT
@ ... WL-C, WE-C WITH RFW CONTROL SYSTEM
% ... WITH STARTER RELAY
& ... G6

C-06 FRONT (F) -ENGINE (E)

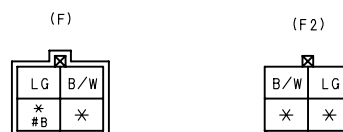


* ... VACANT
... WLT
% ... WL-C, WE-C WITH RFW CONTROL SYSTEM
& ... G6
@ ... WL-C, WE-C
#1... WLT 4X2
< ... NOT USED
* ... WLT WITH RFW CONTROL SYSTEM

C-07 FRONT (F) -INTERIOR LIGHT (IN)

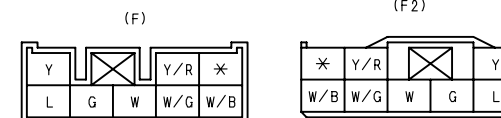


C-08 FRONT (F) -FRONT No. 2 (F2)



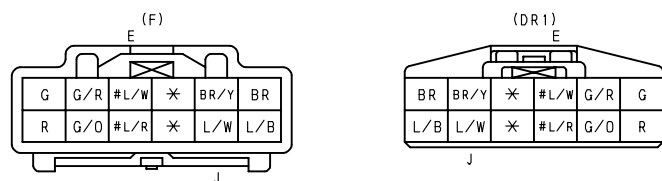
* ... VACANT
... NOT USED

C-09 FRONT (F) -FRONT No. 2 (F2)



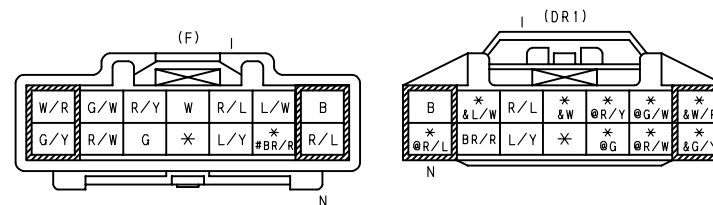
* ... VACANT

C-10 FRONT (F) -DOOR No. 1 (DR1)



* ... VACANT
... NOT USED

C-11 FRONT (F) -DOOR No. 1 (DR1)

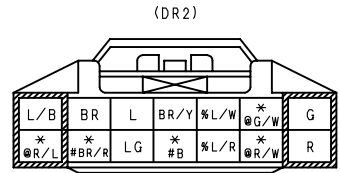
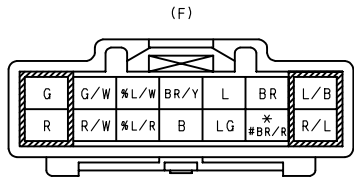


* ... VACANT
... WITH THEFT-DETERRENT SYSTEM
@ ... WITH POWER WINDOW SYSTEM
& ... WITH REAR POWER WINDOW SYSTEM

COMMON CONNECTOR LIST

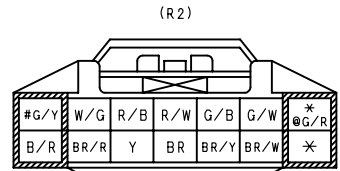
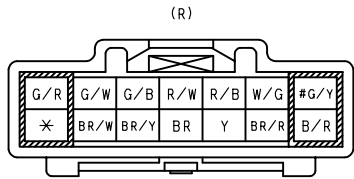
00C-3

C-12 FRONT (F) -DOOR No. 2 (DR2)



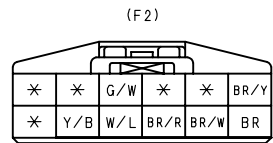
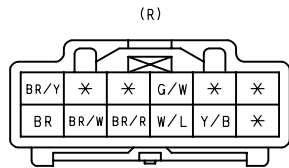
* ... VACANT
... WITH THEFT-DETERRENT SYSTEM
@ ... WITH POWER WINDOW SYSTEM
% ... NOT USED

C-13 REAR (R) -REAR No. 2 (R2)



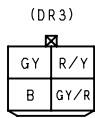
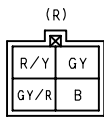
* ... VACANT
@ ... G6
... NOT USED

C-14 REAR (R) -FRONT No. 2 (F2)

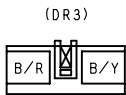
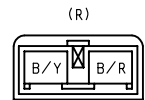


* ... VACANT

C-15 REAR (R) -DOOR No. 3 (DR3)



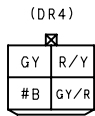
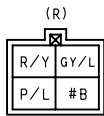
C-16 REAR (R) -DOOR No. 3 (DR3)



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

WITH AIR BAG SYSTEM

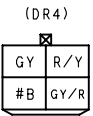
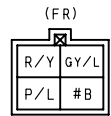
... NOT USED



C-17 FLOOR (FR) -DOOR No. 4 (DR4)

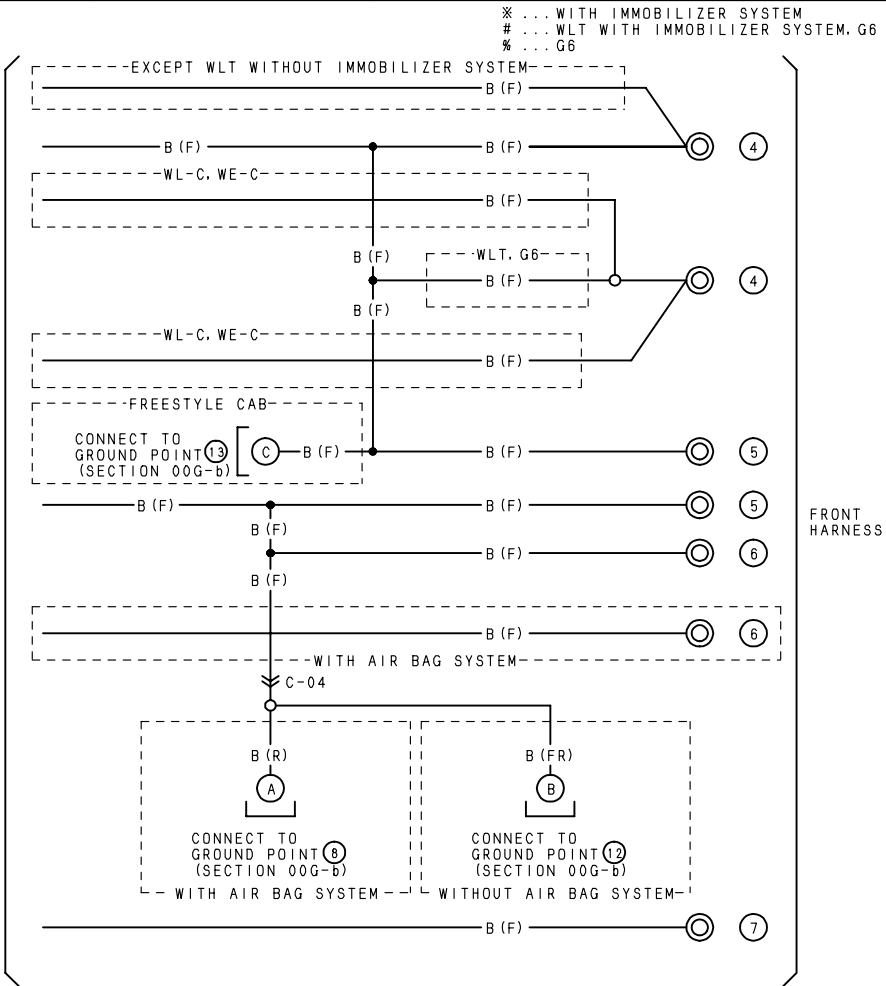
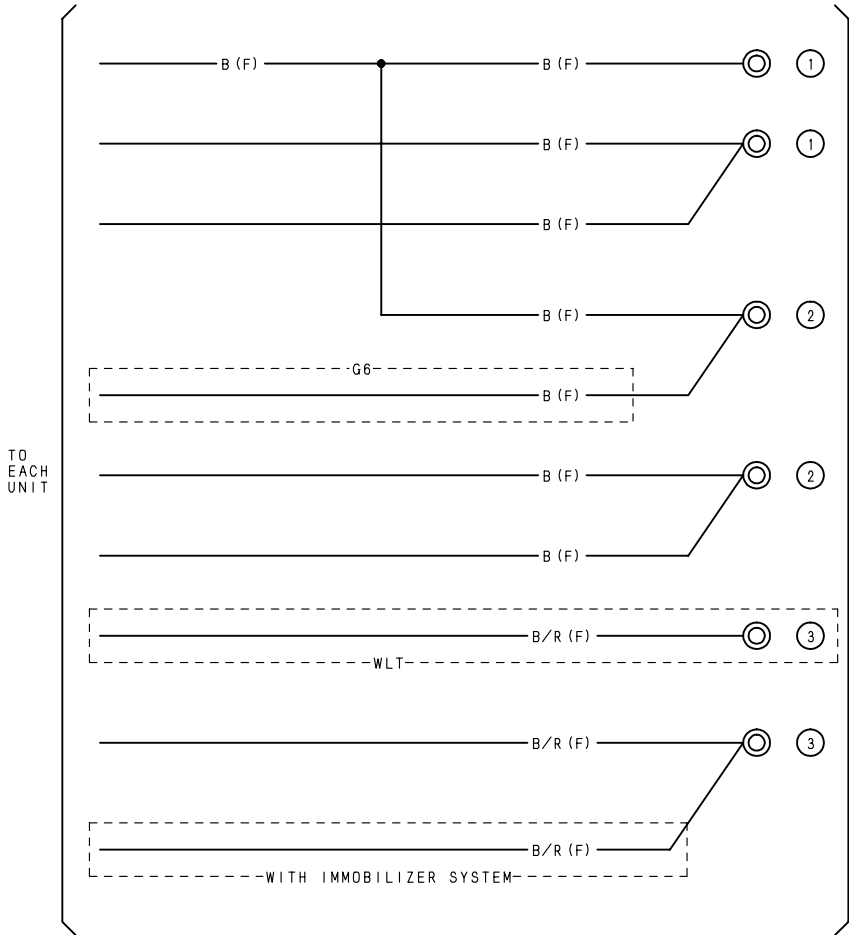
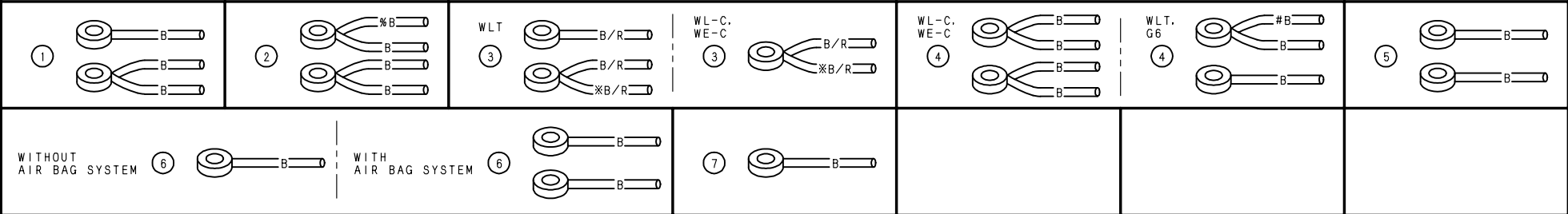
WITHOUT AIR BAG SYSTEM




... NOT USED

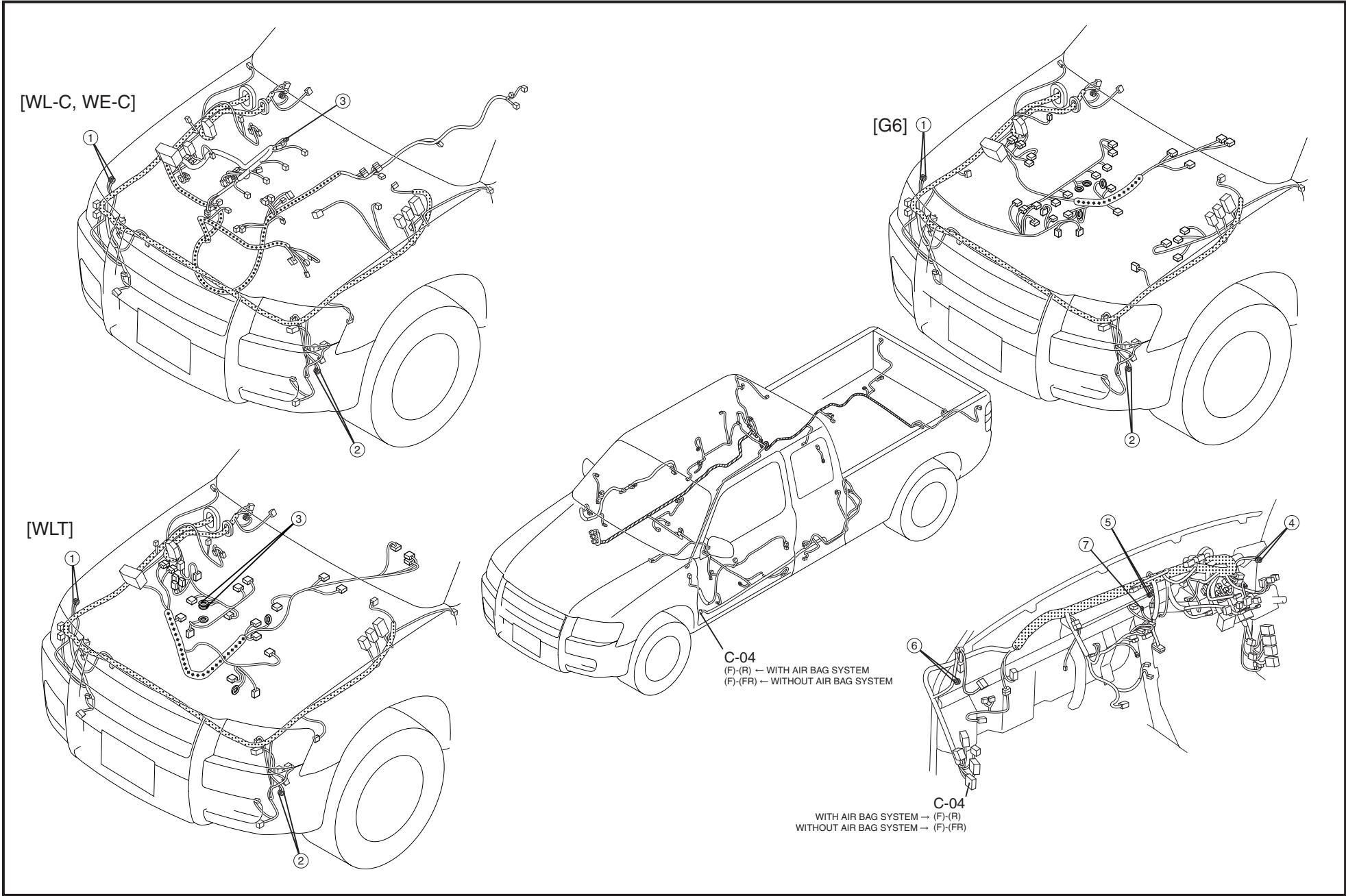





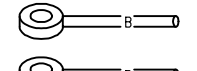



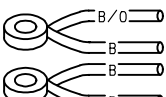
COMMON CONNECTOR LIST

<p>C-18 REAR (R) -DOOR No. 4 (DR4)</p> <div><div>(R)</div><div>(DR4)</div></div>	<p>C-19 REAR (R) -DOOR No. 3 (DR3)</p> <div><div>(R)</div><div>(DR3)</div></div> <div><div>✱ ... VACANT</div><div># ... WITH REAR POWER WINDOW SYSTEM</div><div>@ ... WITH REAR SPEAKER</div></div>
<p>C-20 REAR (R) -DOOR No. 3 (DR3)</p> <div><div>(R)</div><div>(DR3)</div></div>	<p>C-21 REAR (R) -DOOR No. 3 (DR3)</p> <div><div>(R)</div><div>(DR3)</div></div>
<p>C-22 REAR (R) -DOOR No. 4 (DR4) ←WITH AIR BAG SYSTEM FLOOR (FR) -DOOR No. 4 (DR4) ←WITHOUT AIR BAG SYSTEM</p> <div><div>✱ ... VACANT</div><div># ... WITH REAR POWER WINDOW SYSTEM</div><div>% ... WITHOUT AIR BAG SYSTEM WITH REAR SPEAKER</div><div>※ ... WITH AIR BAG SYSTEM WITH REAR SPEAKER</div></div> <div><div>(R) ←WITH AIR BAG SYSTEM (FR) ←WITHOUT AIR BAG SYSTEM</div><div>(DR4) ✱GY ✱GY/R ✱R/L ✱GY/L ✱P/L</div></div>	<p>C-23 REAR (R) -DOOR No. 4 (DR4) ←WITH AIR BAG SYSTEM FLOOR (FR) -DOOR No. 4 (DR4) ←WITHOUT AIR BAG SYSTEM</p> <div><div>✱ ... VACANT</div><div># ... WITHOUT POWER DOOR LOCK SYSTEM</div><div>% ... WITHOUT AIR BAG SYSTEM WITH REAR POWER WINDOW SYSTEM</div><div>※ ... WITH AIR BAG SYSTEM WITH REAR POWER WINDOW SYSTEM</div></div> <div><div>@ ... C-23 CONNECTOR A TERMINAL WIRE COLOR:GREEN/YELLOW</div><div>(R) ←WITH AIR BAG SYSTEM (FR) ←WITHOUT AIR BAG SYSTEM</div><div>(DR4) ✱L/W ✱G/Y ✱W ✱W/R R #* G #*</div></div>
<p>C-24 REAR (R) -DOOR No. 4 (DR4) ←WITH AIR BAG SYSTEM FLOOR (FR) -DOOR No. 4 (DR4) ←WITHOUT AIR BAG SYSTEM</p> <div><div>(R) ←WITH AIR BAG SYSTEM (FR) ←WITHOUT AIR BAG SYSTEM</div><div>(DR4)</div></div>	<p>C-27 FRONT (F) -INJECTOR (INJ)</p> <div><div>(F)</div><div>(INJ)</div></div>

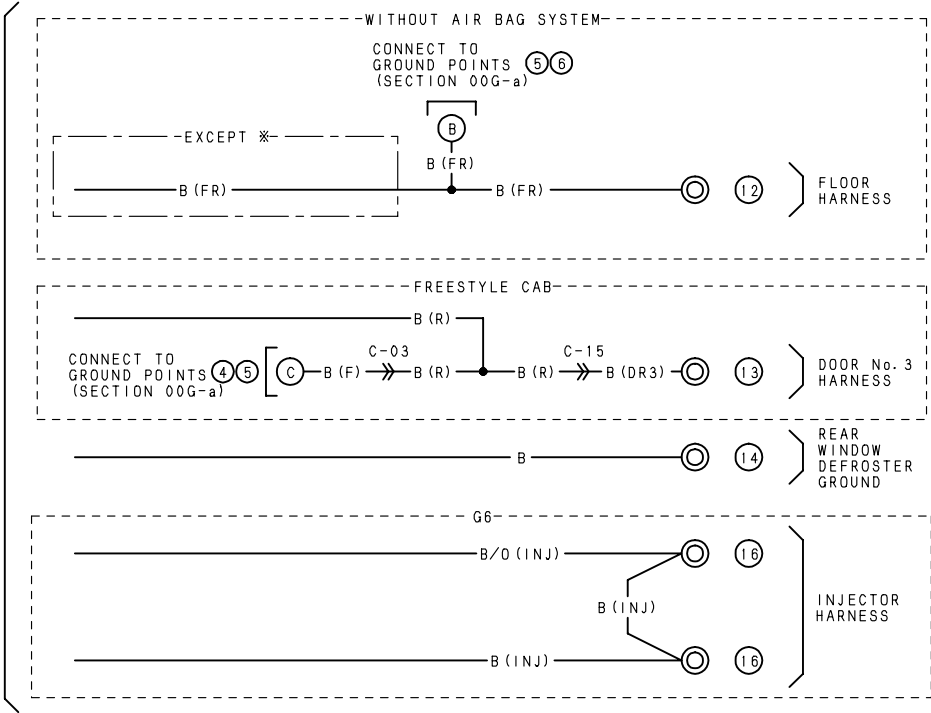
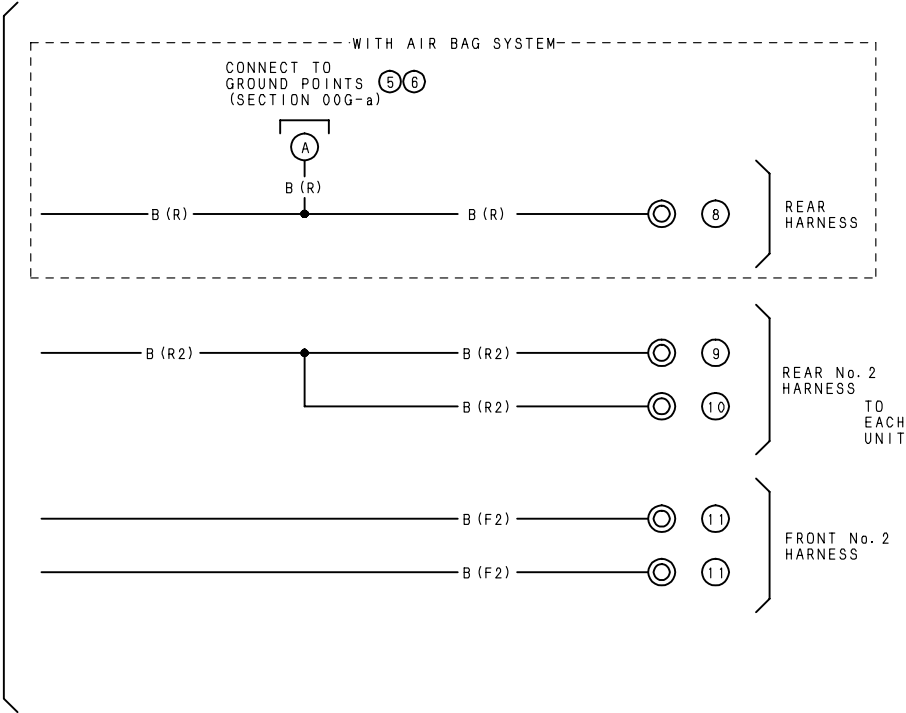





HARNESS SYMBOL:  (F)  (E)  (R)

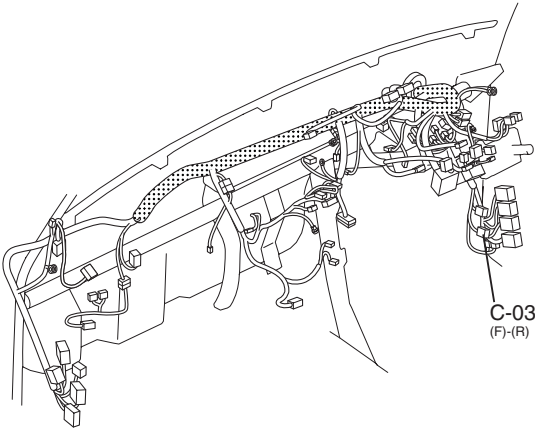
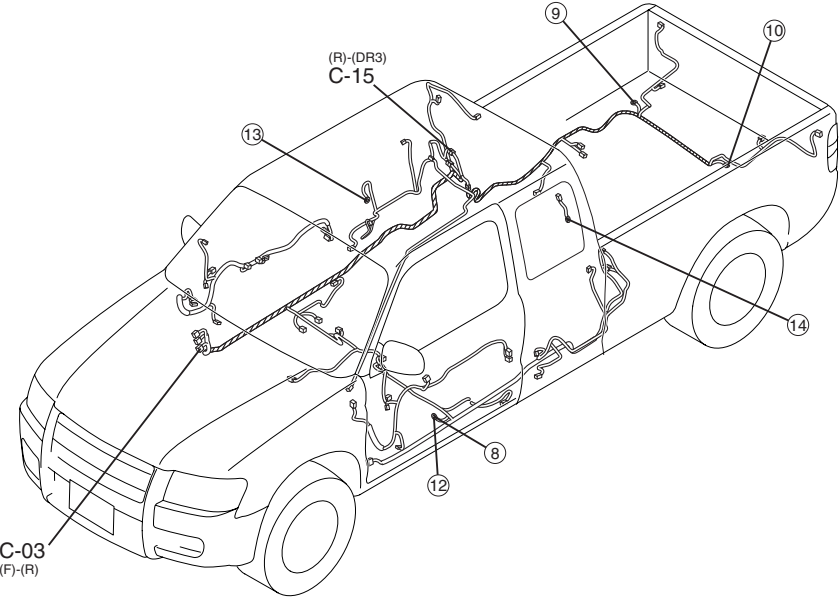
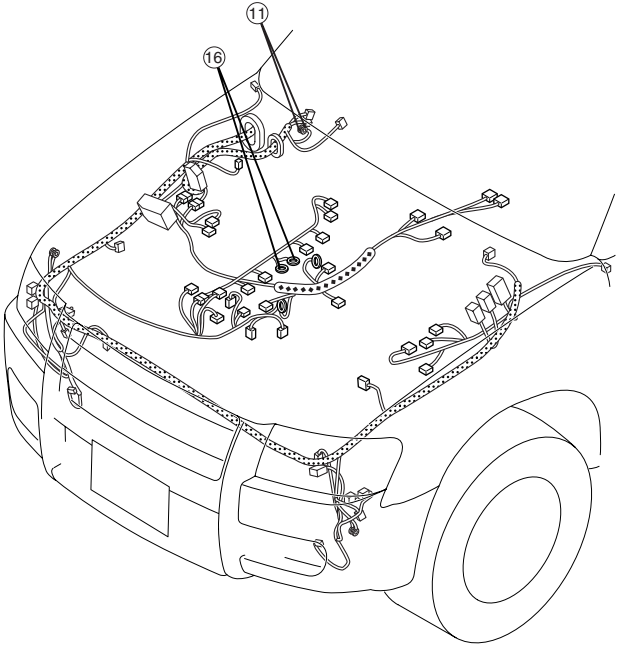


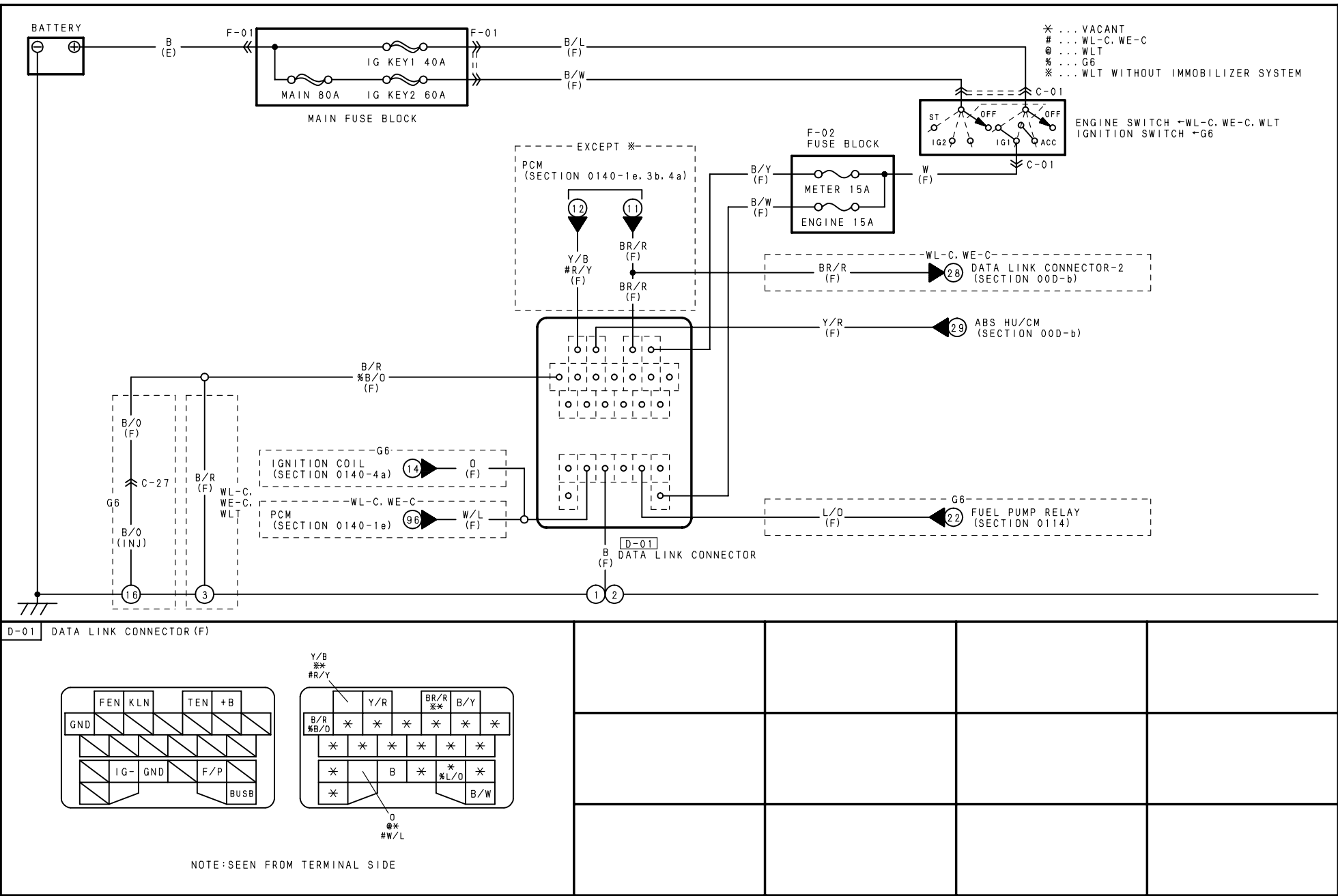
<div>8</div> <div></div>	<div>9</div> <div></div>	<div>10</div> <div></div>	<div>11</div> <div></div>	<div>12</div> <div></div>	<div>13</div> <div></div>	<div>14</div> <div></div>
<div>16</div> <div></div>						

※ ... REGULAR CAB

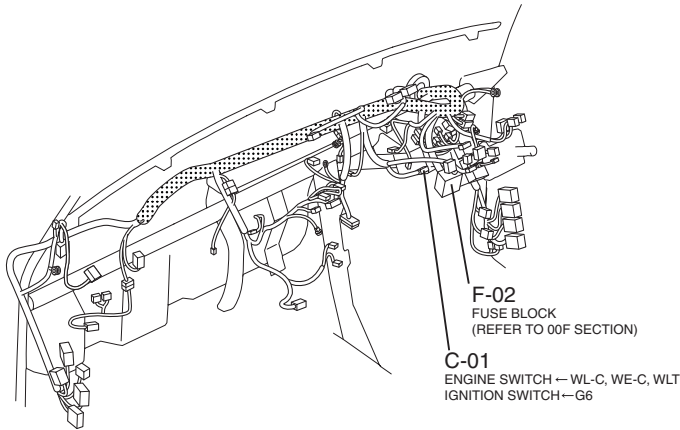
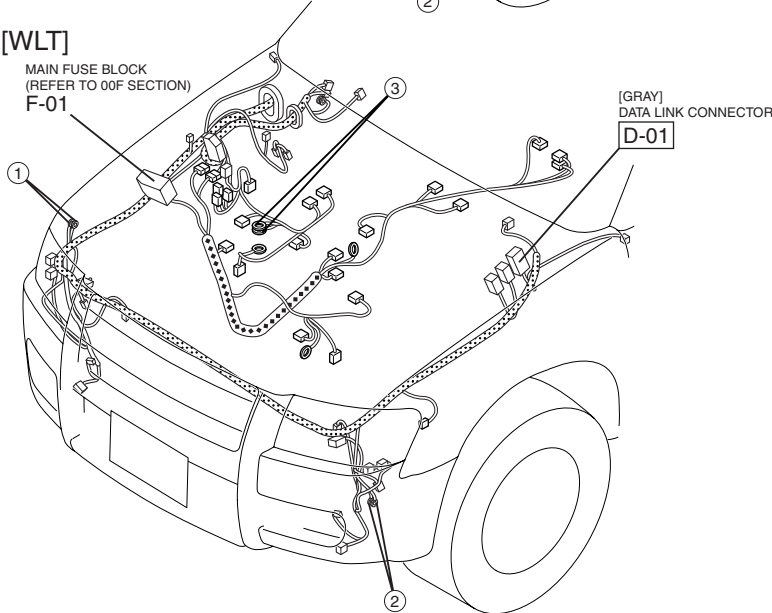
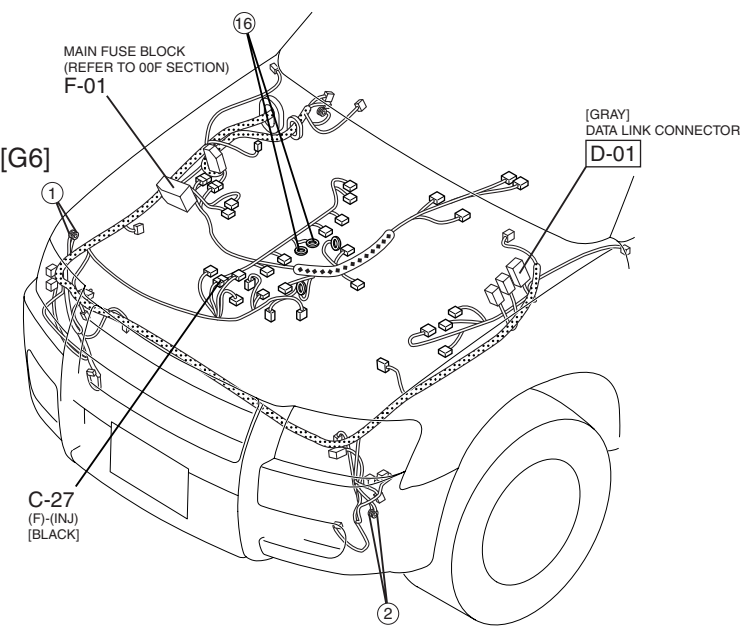
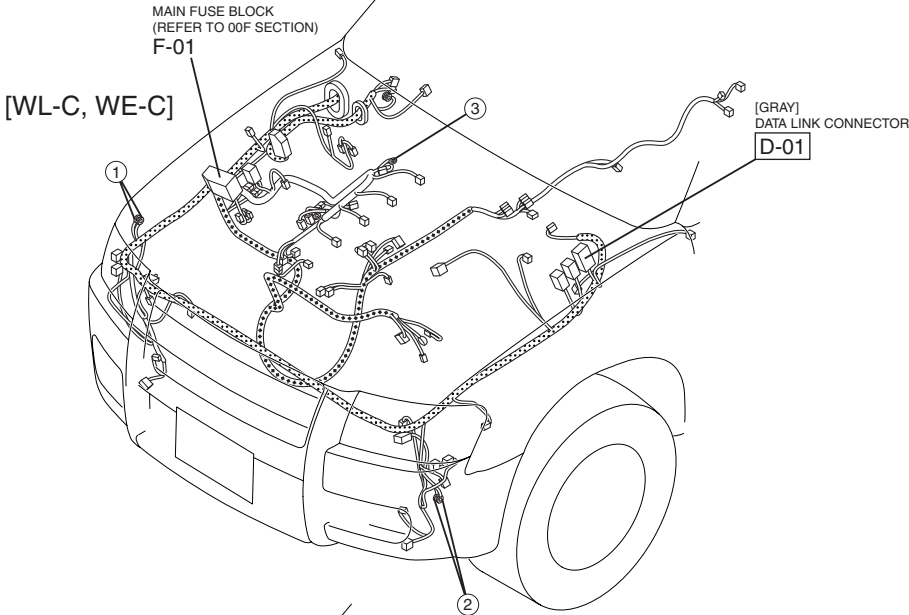


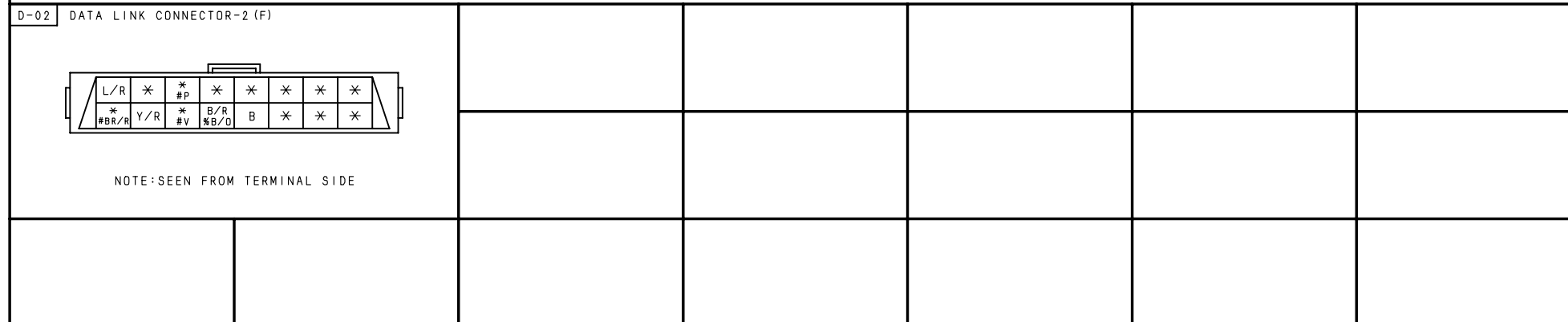
HARNESS SYMBOL:  (F)  (E)  (R)



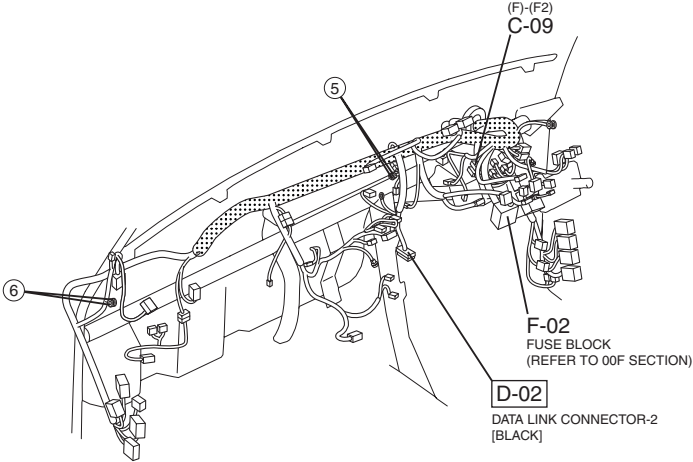
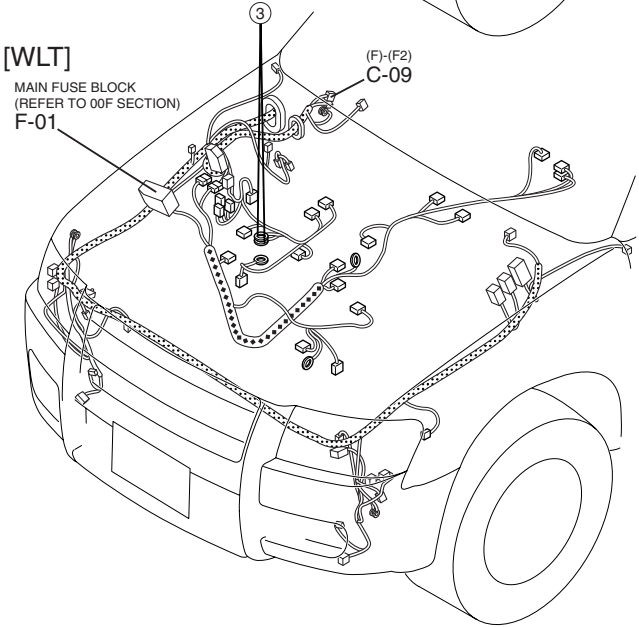
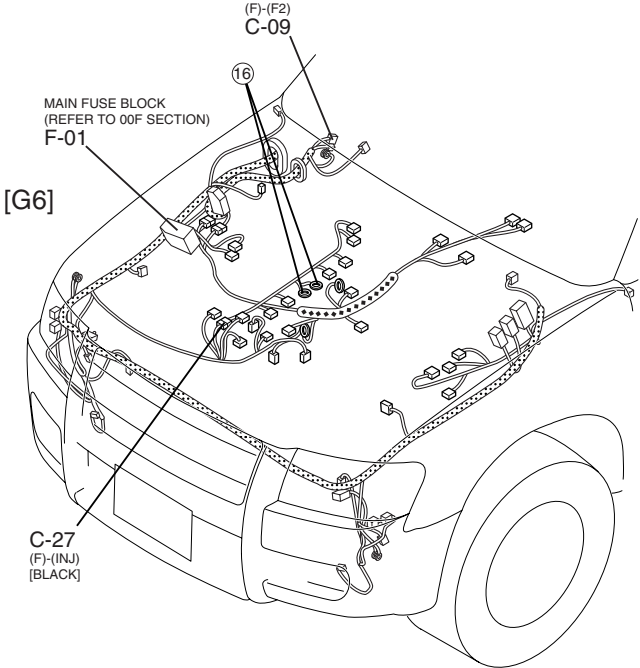
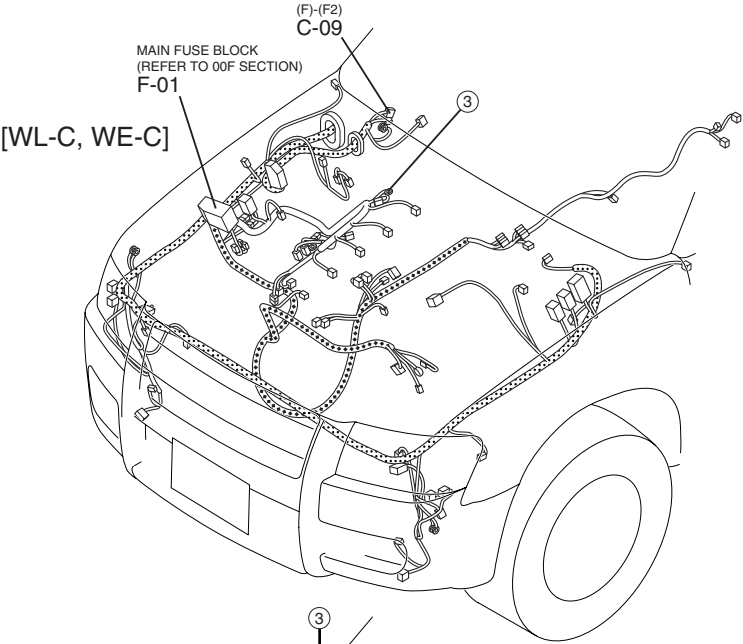


HARNESS SYMBOL:  (F)  (E)  (R)

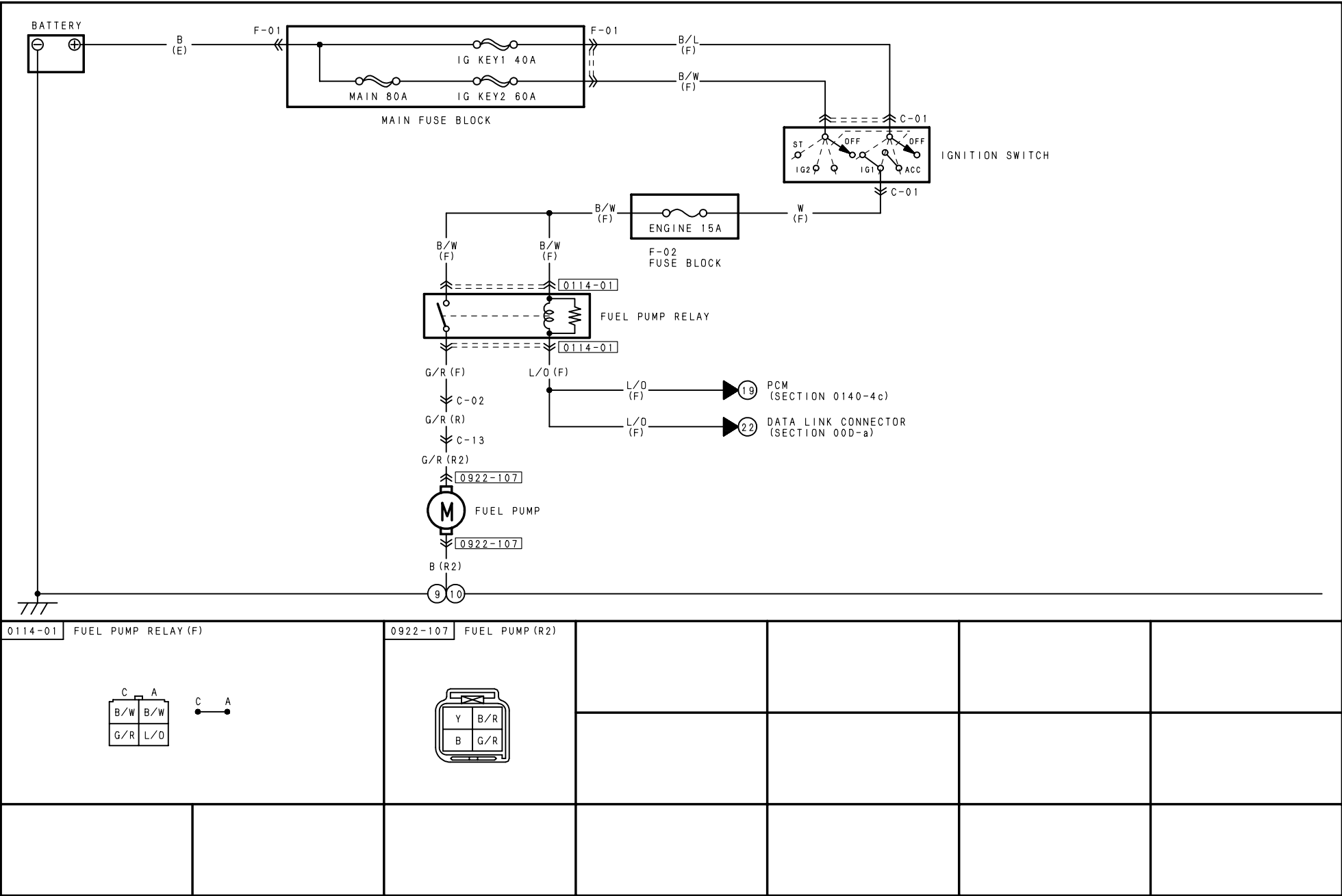




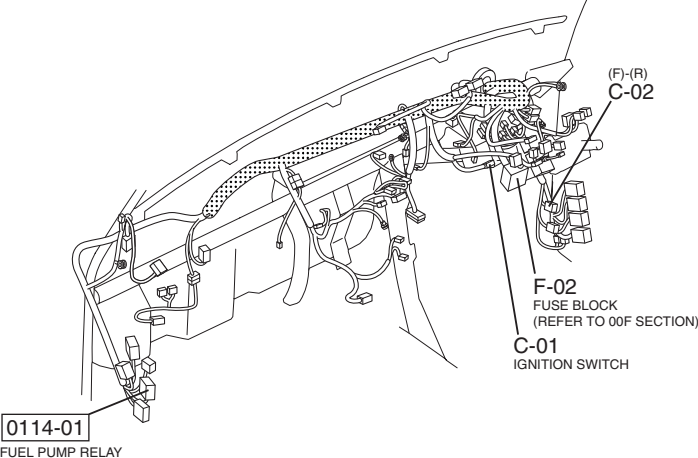
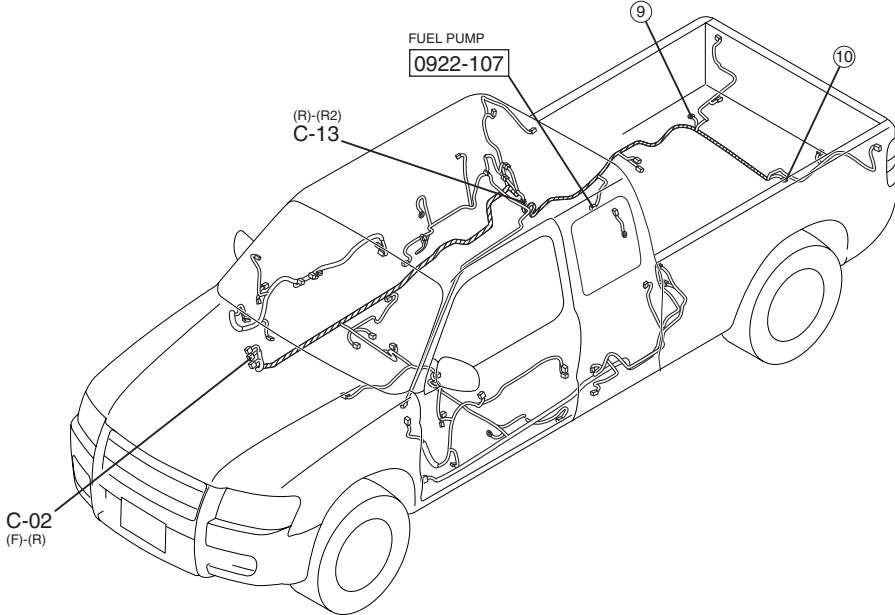
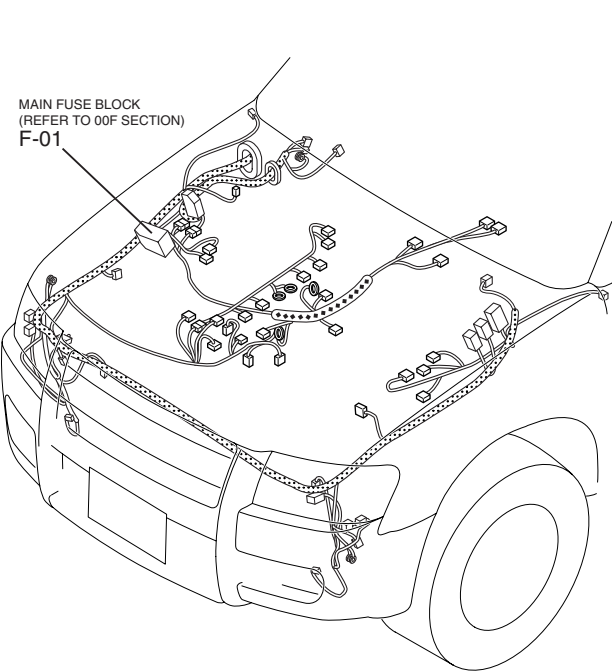
HARNESS SYMBOL:  (F)  (E)  (R)

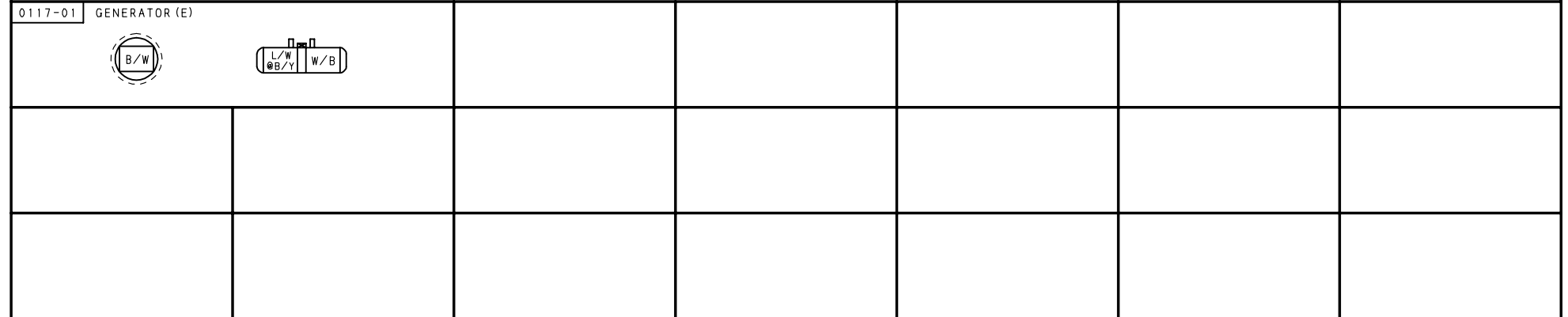


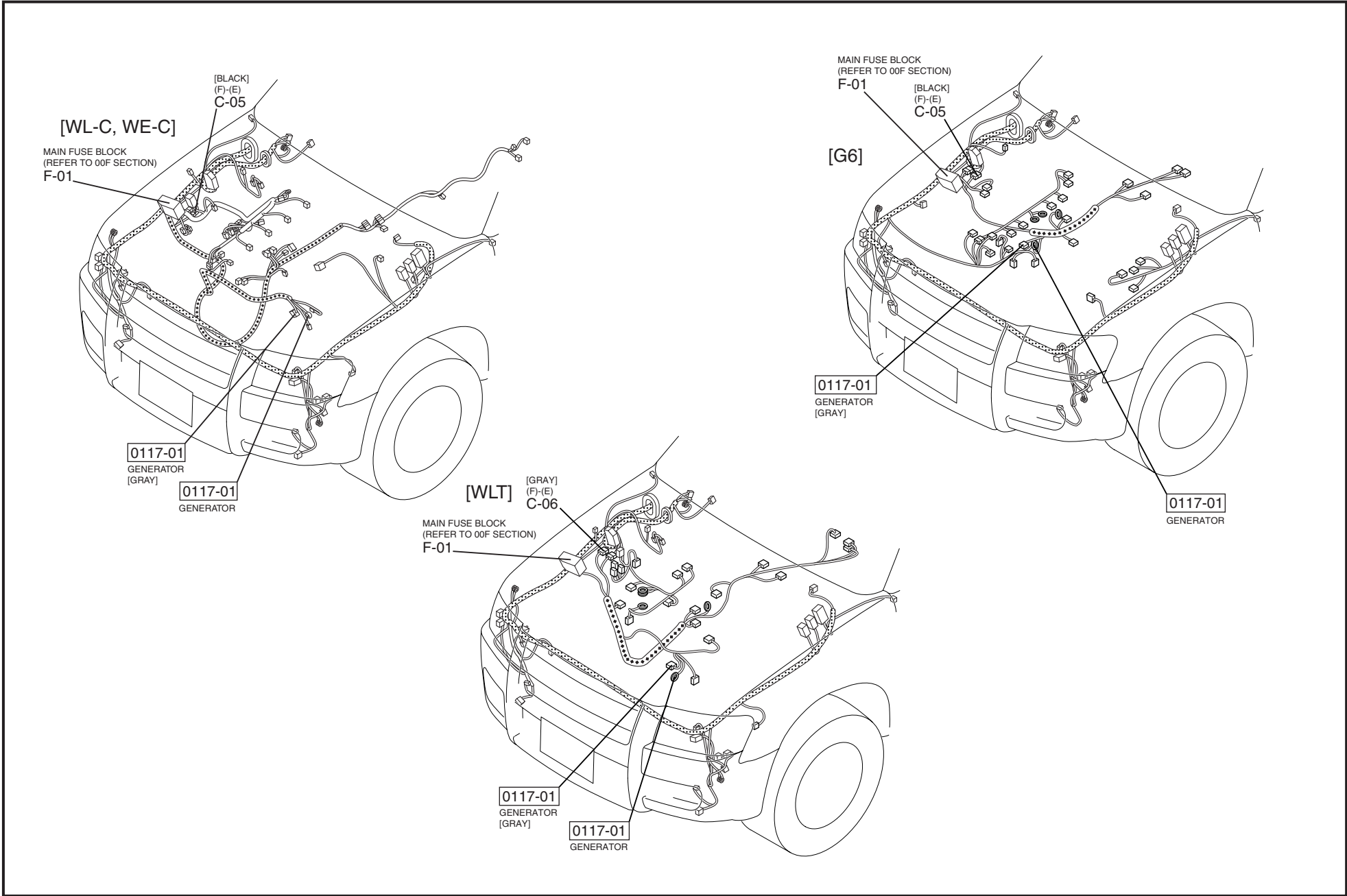
34

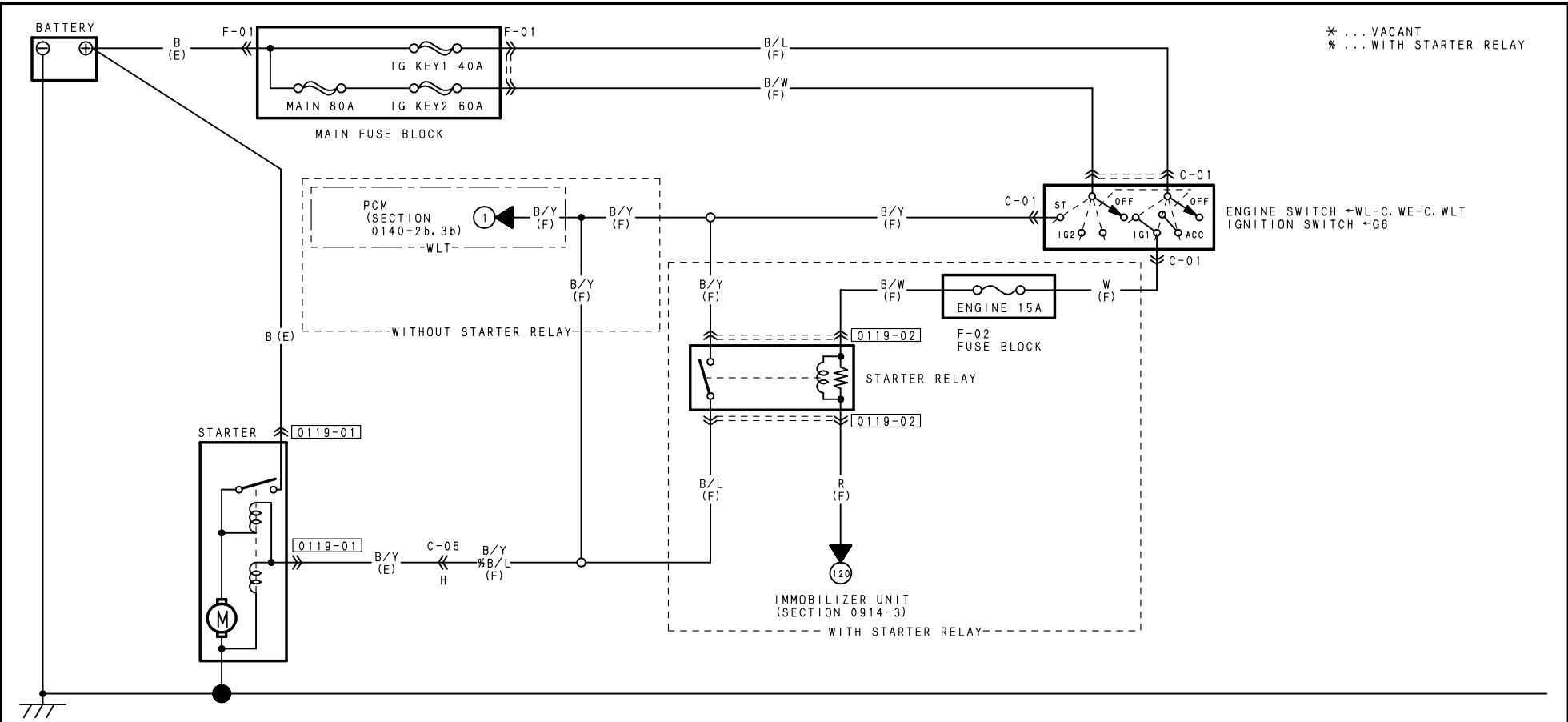



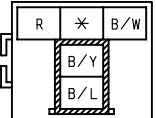
HARNESS SYMBOL:  (F)  (E)  (R)



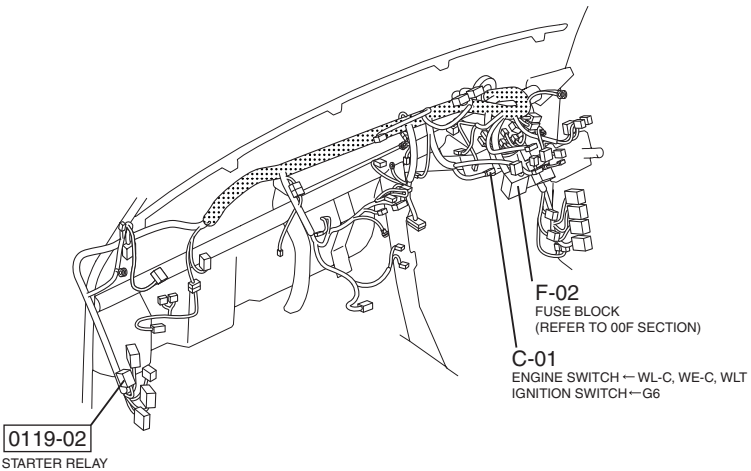
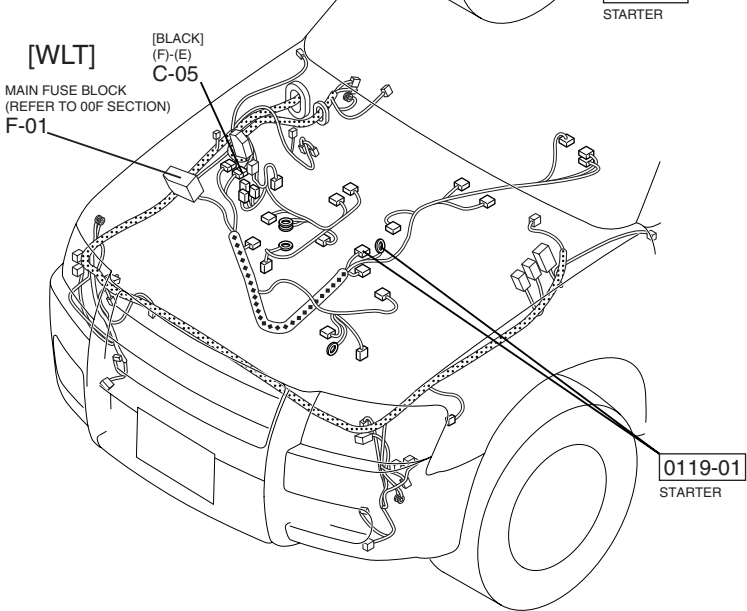
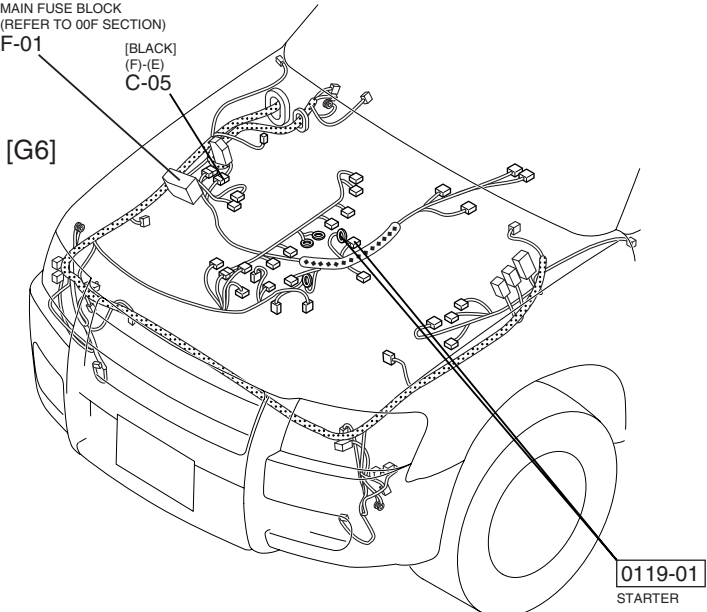
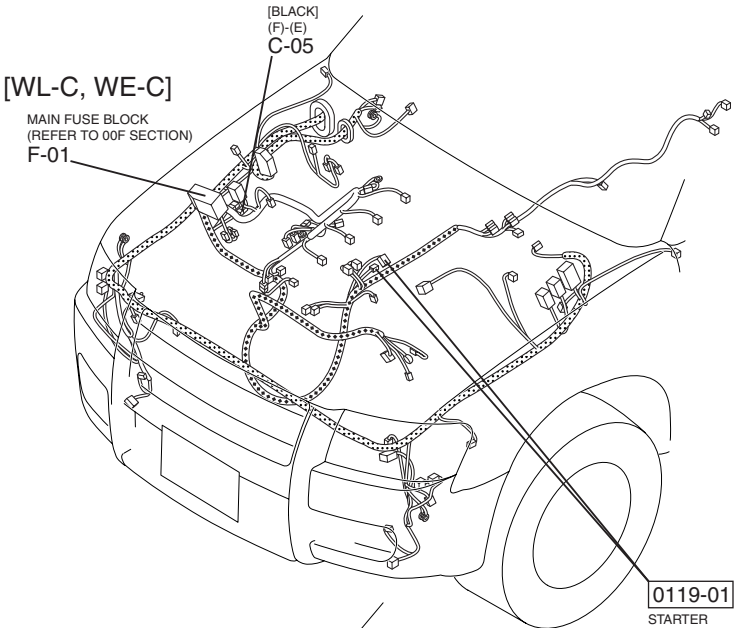






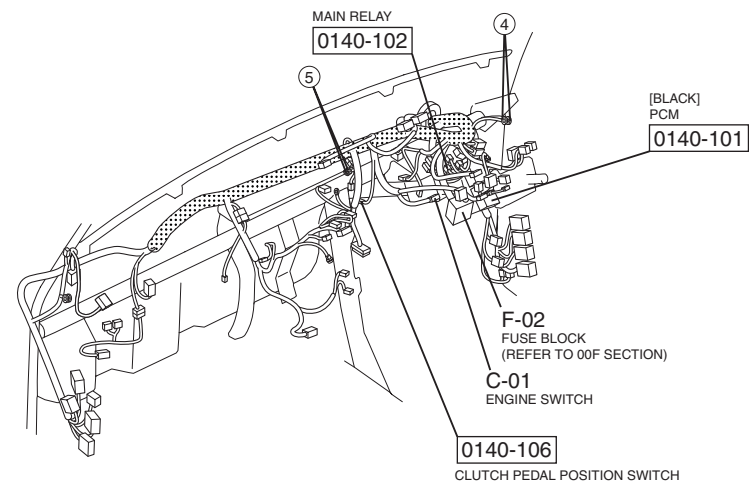
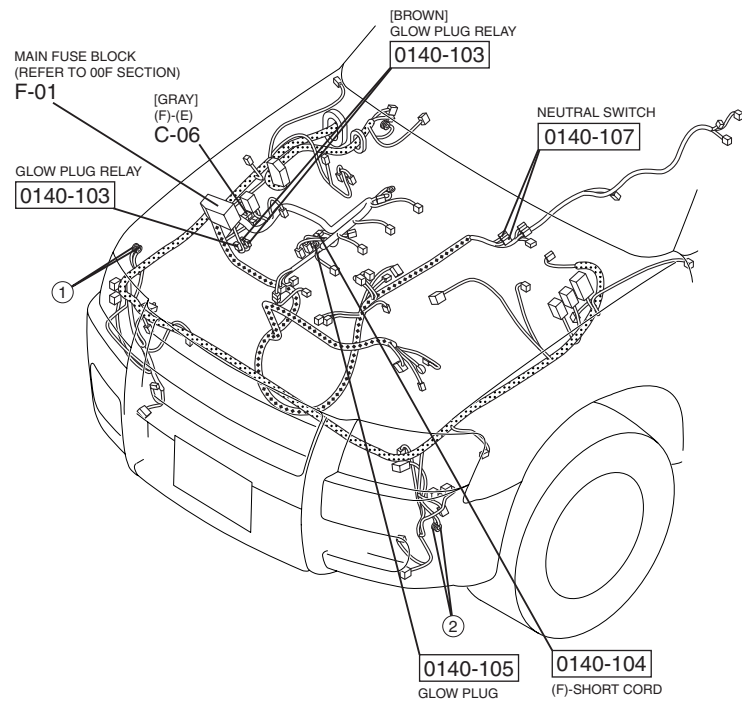
0119-01	STARTER (E)	0119-02	STARTER RELAY (F)			
						

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

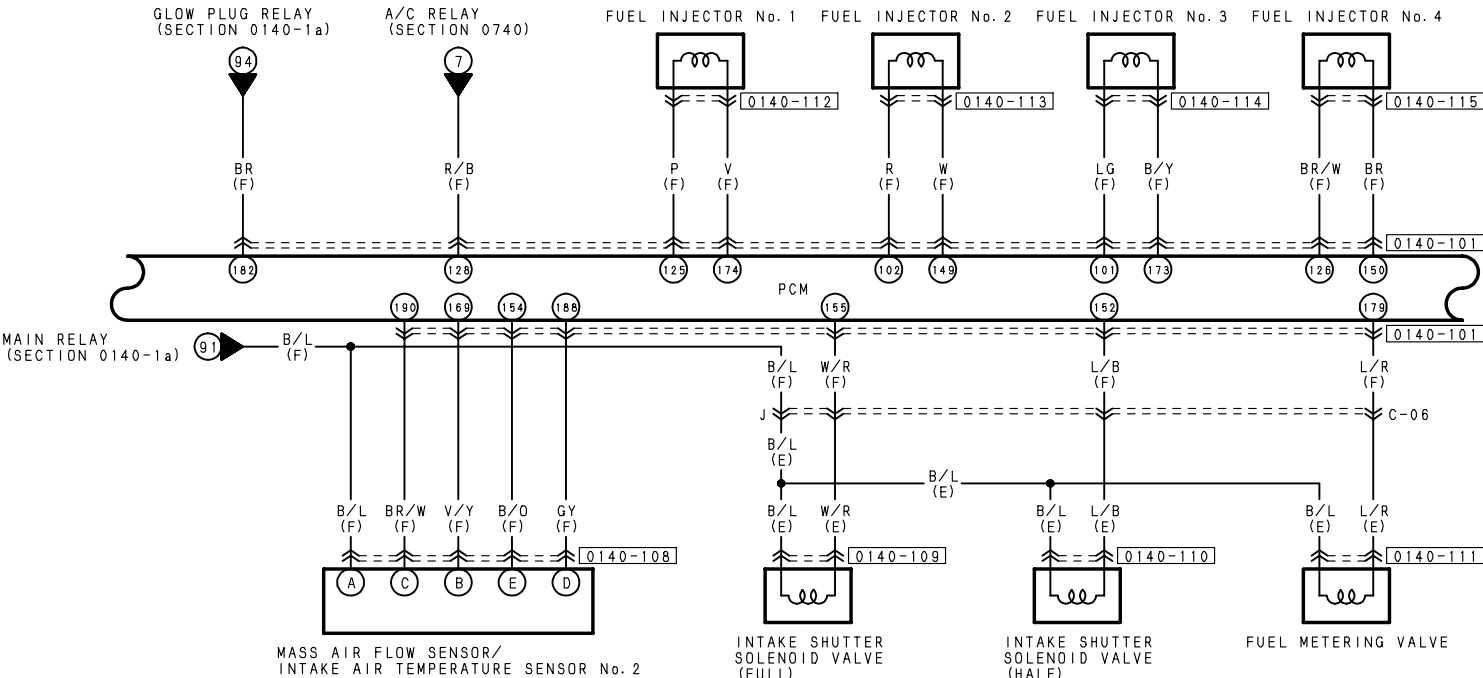




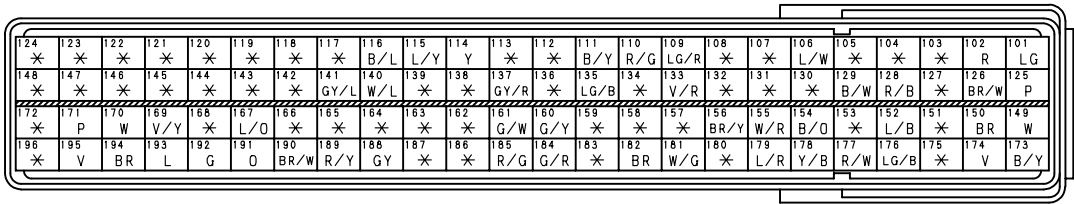
HARNESS SYMBOL:  (F)  (E)  (R)



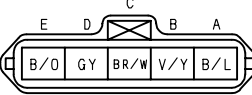
* ... VACANT



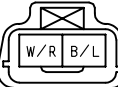
0140-101 PCM (F)



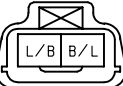
0140-108 MASS AIR FLOW SENSOR/INTAKE AIR TEMPERATURE SENSOR No. 2 (F)



0140-109 INTAKE SHUTTER SOLENOID VALVE (FULL) (E)



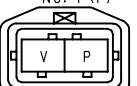
0140-110 INTAKE SHUTTER SOLENOID VALVE (HALF) (E)



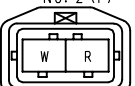
0140-111 FUEL METERING VALVE (E)



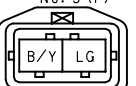
0140-112 FUEL INJECTOR No. 1 (F)



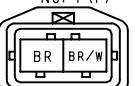
0140-113 FUEL INJECTOR No. 2 (F)



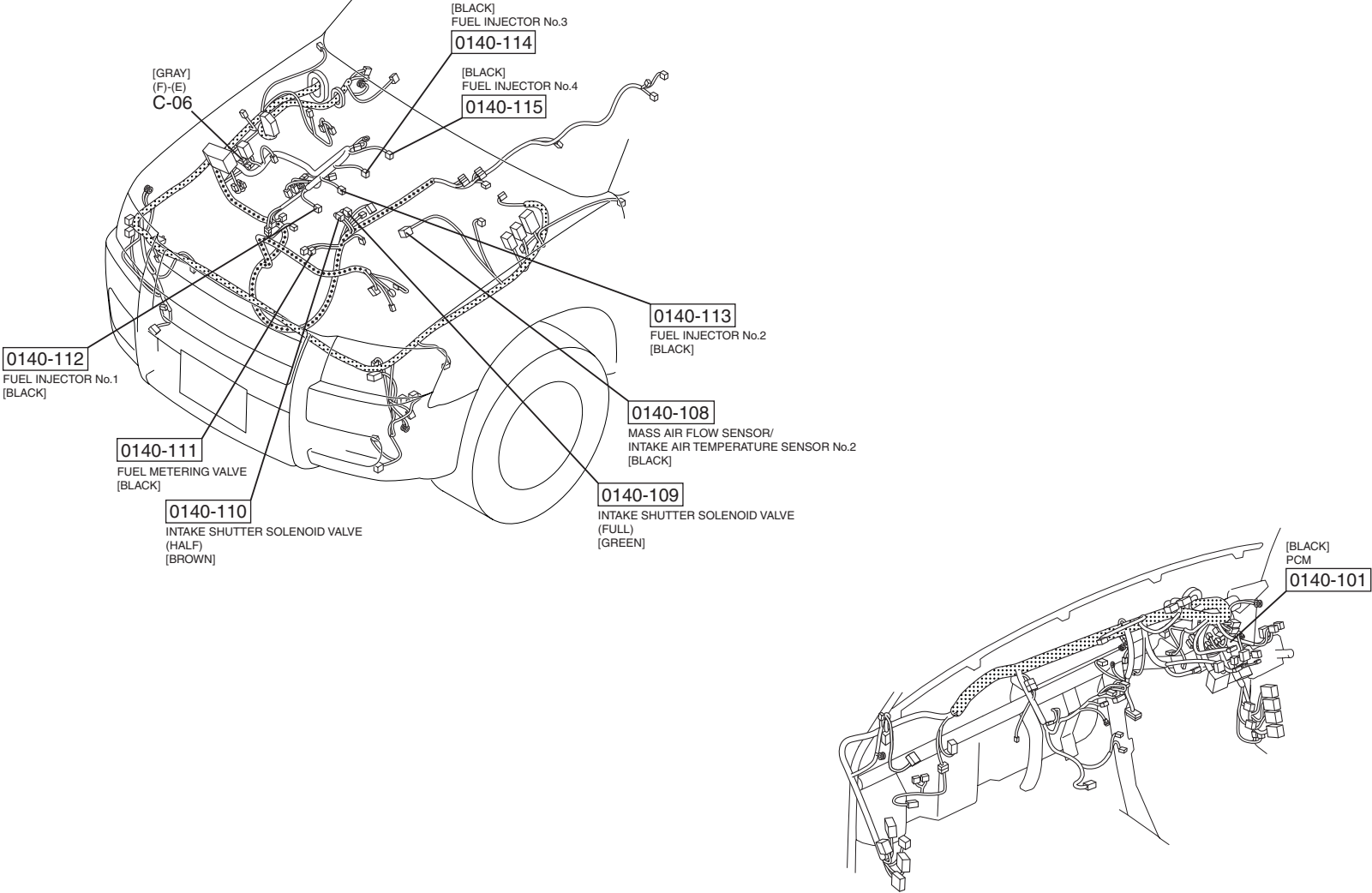
0140-114 FUEL INJECTOR No. 3 (F)



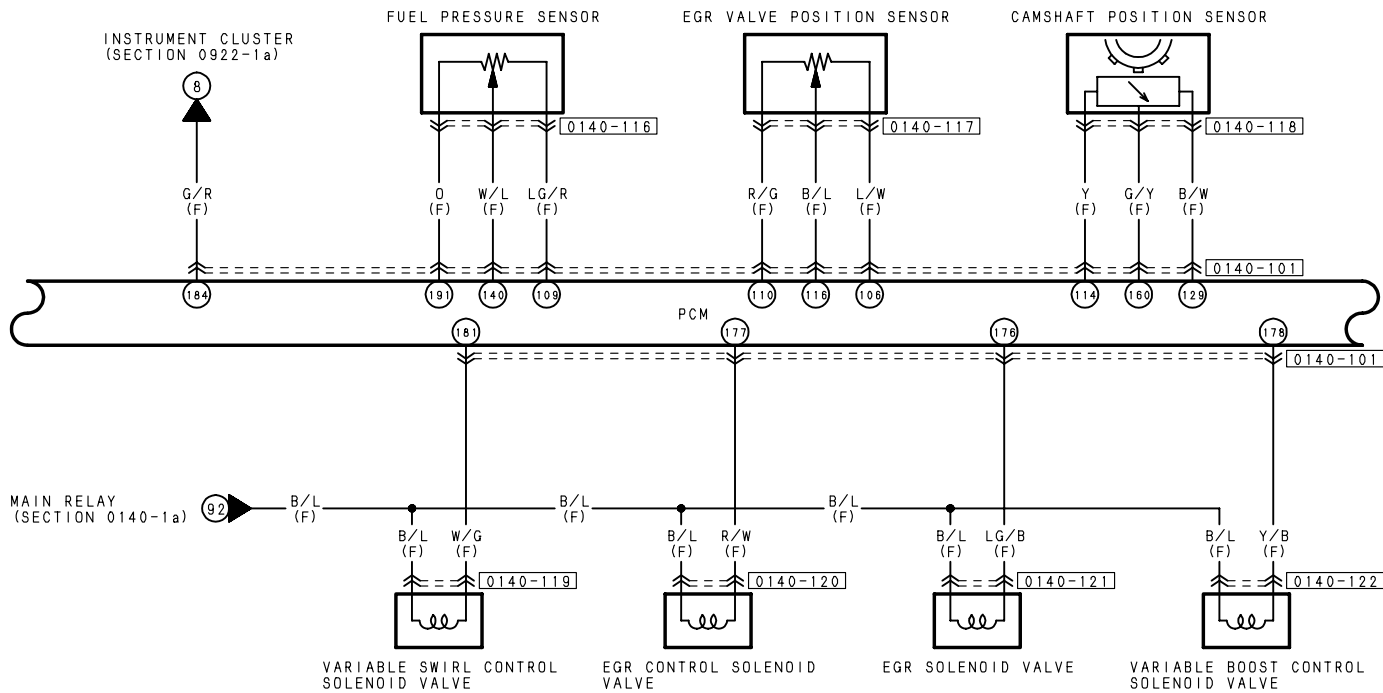
0140-115 FUEL INJECTOR No. 4 (F)



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



* ... VACANT



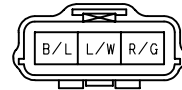
0140-101 PCM (F)

124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
*	*	*	*	*	*	*	*	B/L	L/Y	Y	*	*	B/Y	R/G	LG/R	*	*	L/W	*	*	*	R	LG
148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125
*	*	*	*	*	*	*	*	GY/L	W/L	*	*	GY/R	*	LG/B	*	V/R	*	*	B/W	R/B	*	BR/W	P
172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149
*	P	W	V/Y	*	L/O	*	*	*	*	G/W	G/Y	*	*	BR/Y	W/R	B/O	*	L/B	*	BR	W		
196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173
*	V	BR	L	G	O	BR/W	R/Y	GY	*	*	R/G	G/R	*	BR	W/G	*	L/R	Y/B	R/W	LG/B	*	V	B/Y

0140-116 FUEL PRESSURE SENSOR (F)



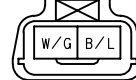
0140-117 EGR VALVE POSITION SENSOR (F)



0140-118 CAMSHAFT POSITION SENSOR (F)



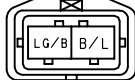
0140-119 VARIABLE SWIRL CONTROL SOLENOID VALVE (F)



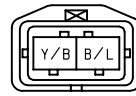
0140-120 EGR CONTROL SOLENOID VALVE (F)



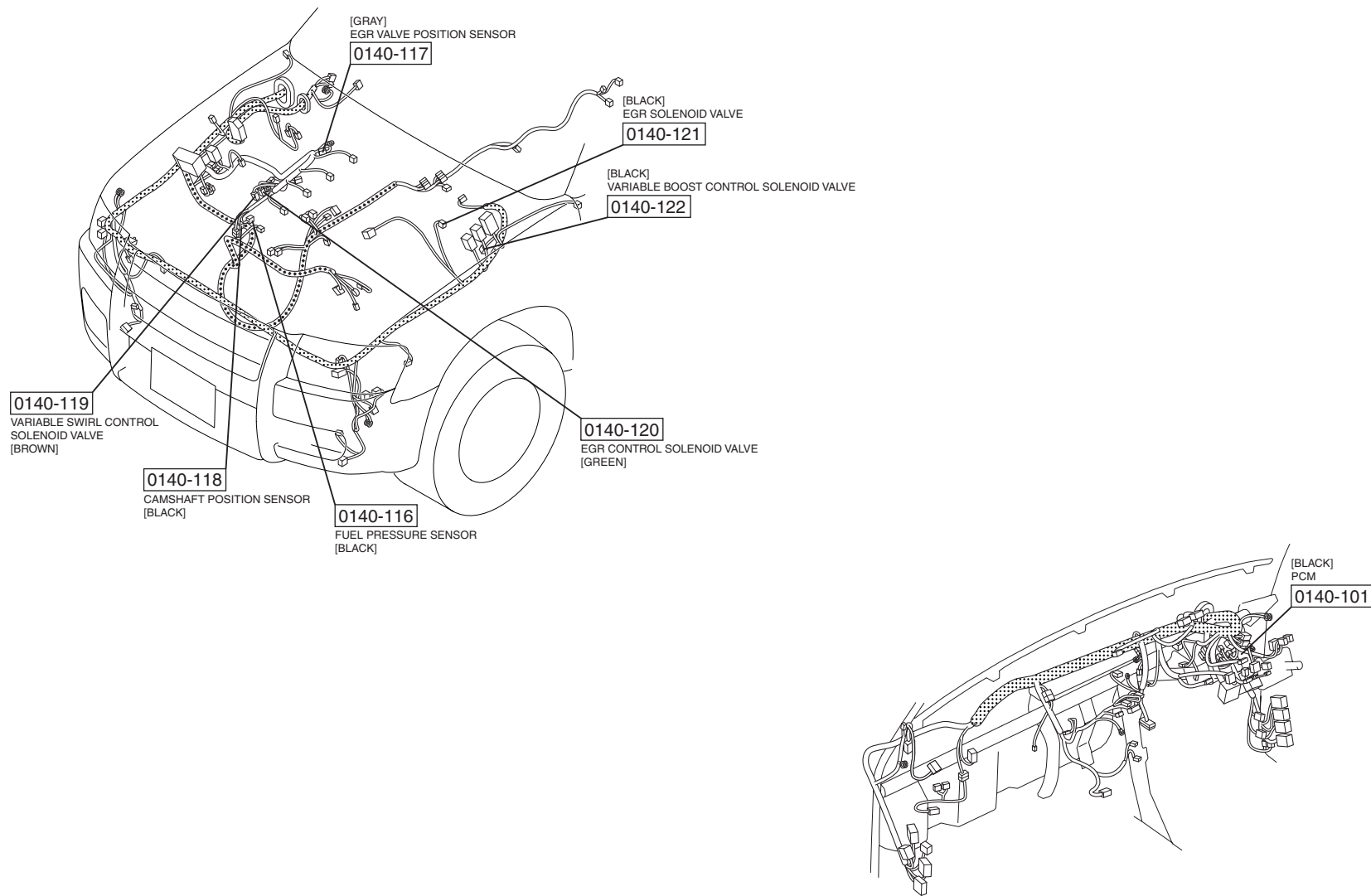
0140-121 EGR SOLENOID VALVE (F)



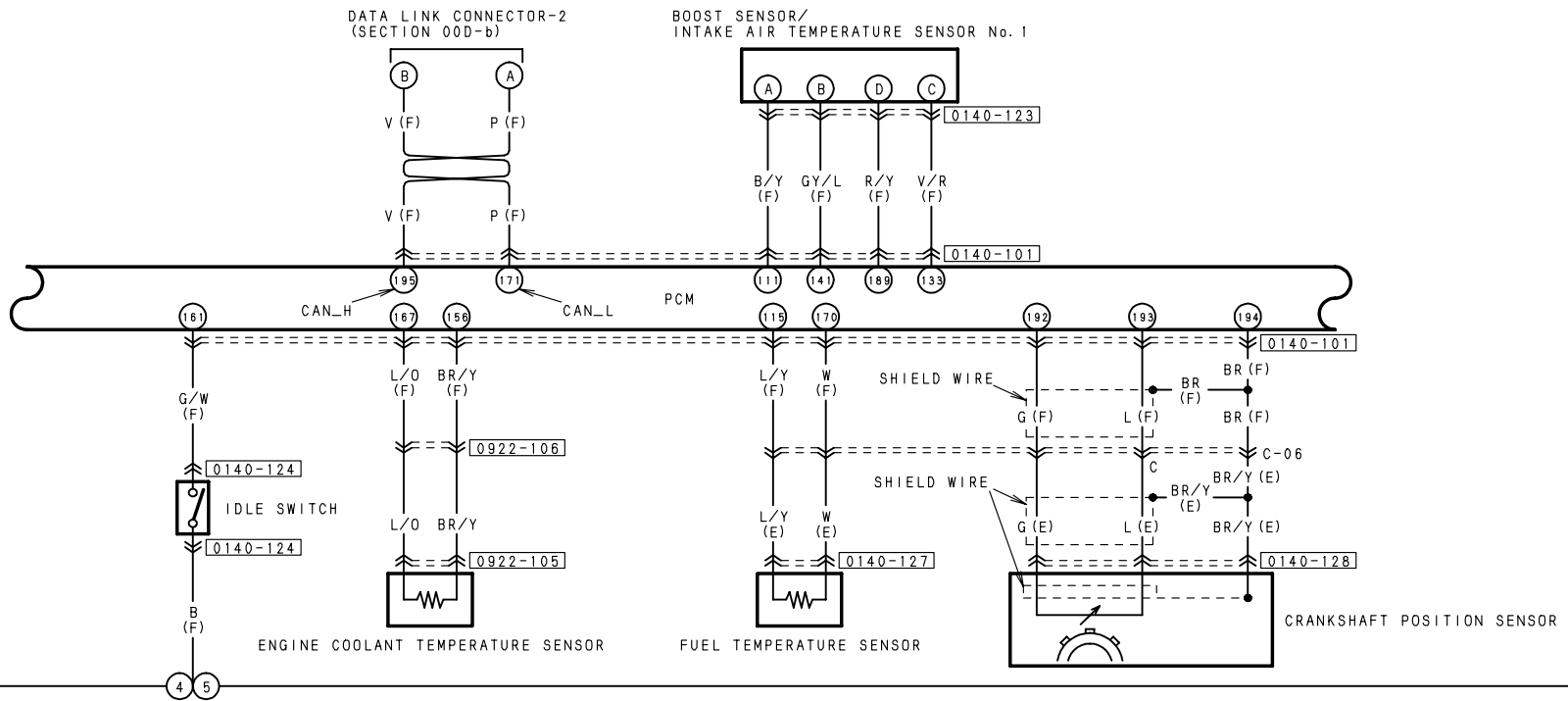
0140-122 VARIABLE BOOST CONTROL SOLENOID VALVE (F)



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



* ... VACANT



0140-101 PCM (F)

124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
*	*	*	*	*	*	*	*	B/L	L/Y	Y	*	*	B/Y	R/G	LG/R	*	*	L/W	*	*	*	R	LG
148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125
*	*	*	*	*	*	*	*	GY/L	W/L	*	*	GY/R	*	LG/B	V/R	*	*	B/W	R/B	*	*	BR/W	P
172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149
*	P	W	V/Y	*	L/O	*	*	*	*	G/W	G/Y	*	*	BR/Y	W/R	B/O	*	L/B	*	BR	W		
196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173
*	V	BR	L	G	O	BR/W	R/Y	GY	*	*	R/G	G/R	*	BR	W/G	*	L/R	Y/B	R/W	LG/B	*	V	B/Y

0140-123 BOOST SENSOR/ INTAKE AIR TEMPERATURE SENSOR No. 1 (F)

0140-124 IDLE SWITCH (F)

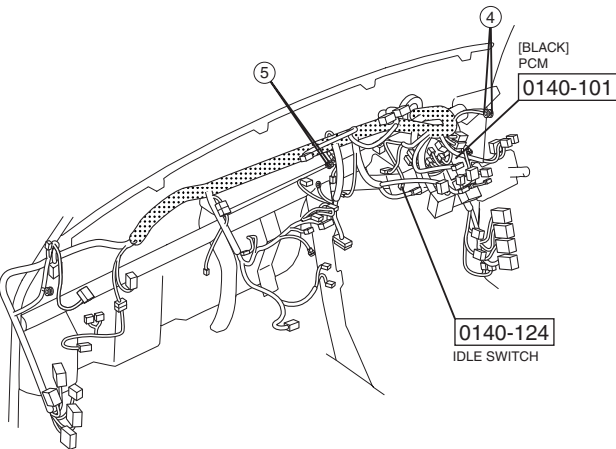
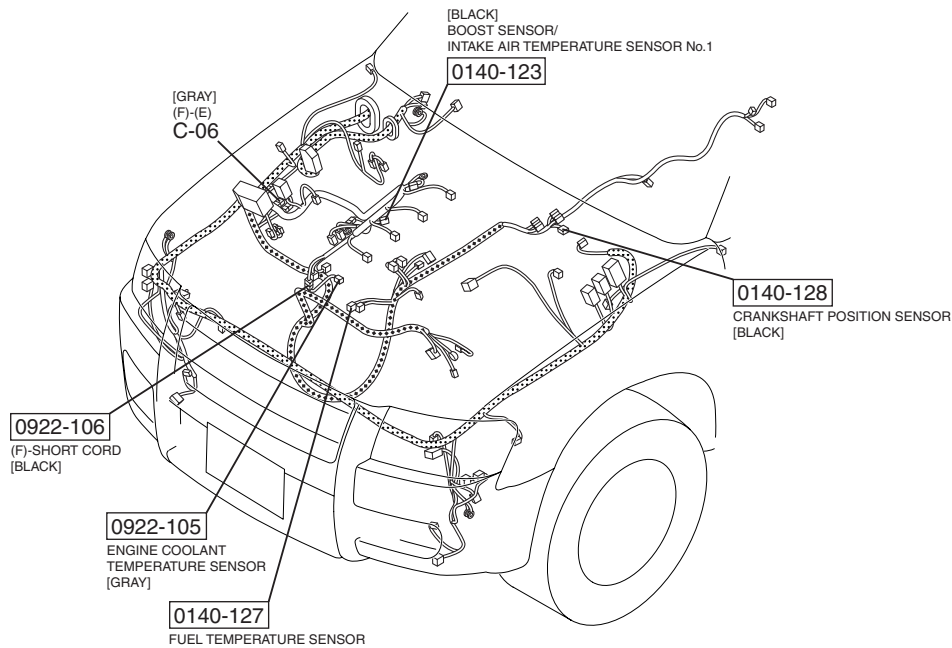
0922-105 ENGINE COOLANT TEMPERATURE SENSOR (SHORT CORD)

0922-106 FRONT (F) - SHORT CORD

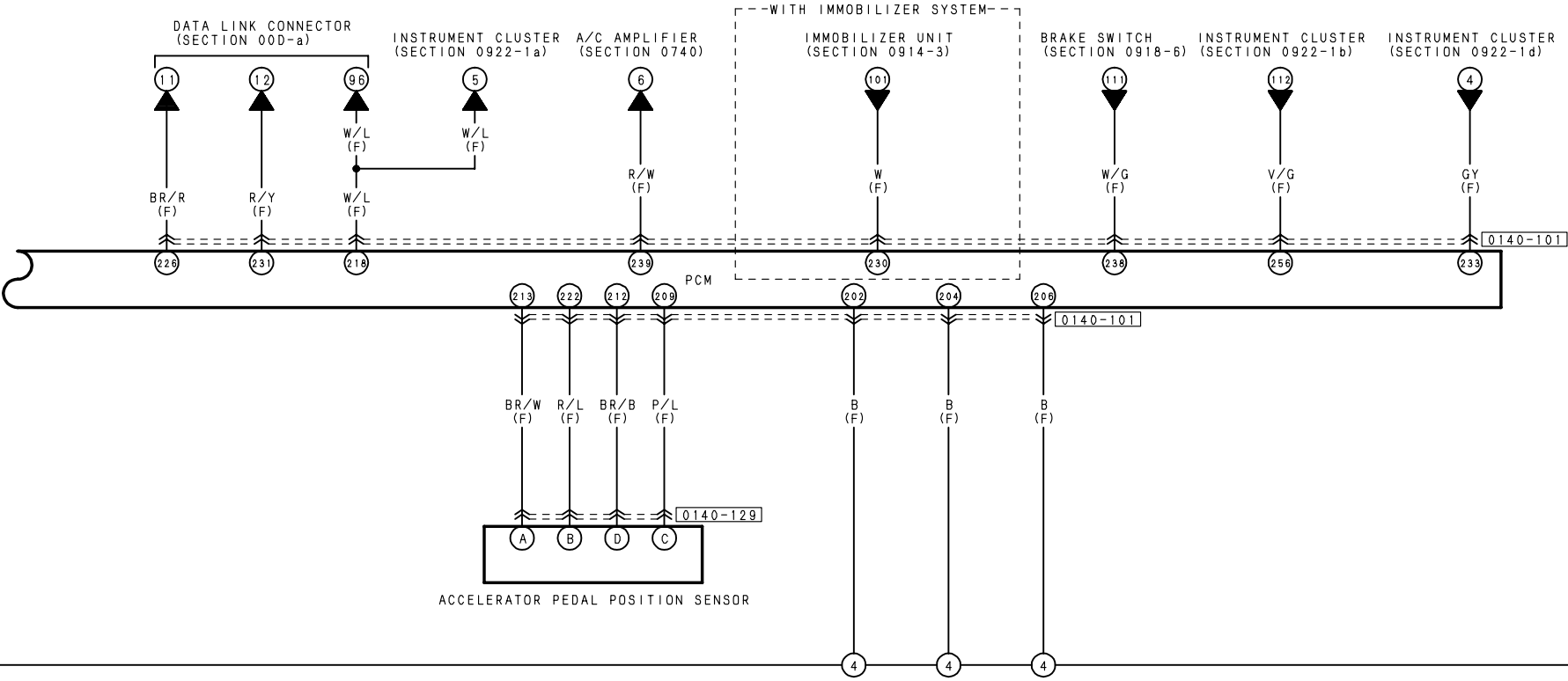
0140-127 FUEL TEMPERATURE SENSOR (E)

0140-128 CRANKSHAFT POSITION SENSOR (E)

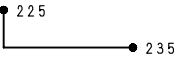
HARNESS SYMBOL:  (F)  (E)  (R)



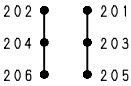
* ... VACANT
... WITH IMMOBILIZER SYSTEM



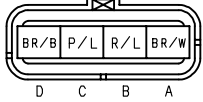
0140-101 PCM (F)






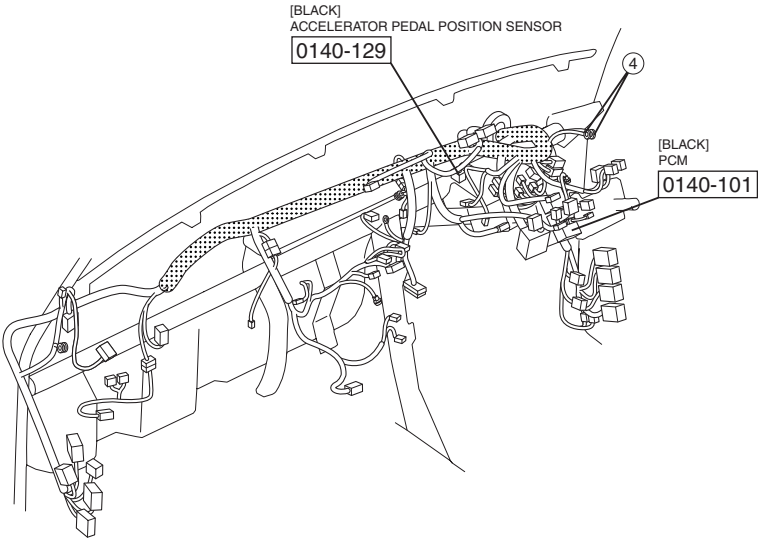
219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202
LG	W/L	*	*	*	*	BR/W	BR/B	*	*	P/L	*	*	B	B/L	B	B/L	B
232	231	230	229	228	227	226	225	224	223	222	221	220	219	218	217	216	215
LG/R	R/Y	*	*	G/B	R	BR/R	B/W	*	*	R/L	*	*	B	B/L	B	B/L	B
245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228
*	BR	*	*	*	B/L	R/W	W/G	*	*	B/W	*	*	GY	B	B/L	B	B/L
258	257	256	255	254	253	252	251	250	249	248	247	246	245	244	243	242	241
G/O	*	V/G	*	LG	R	*	*	*	*	*	*	*	*	*	*	*	*



0140-129 ACCELERATOR PEDAL POSITION SENSOR (F)

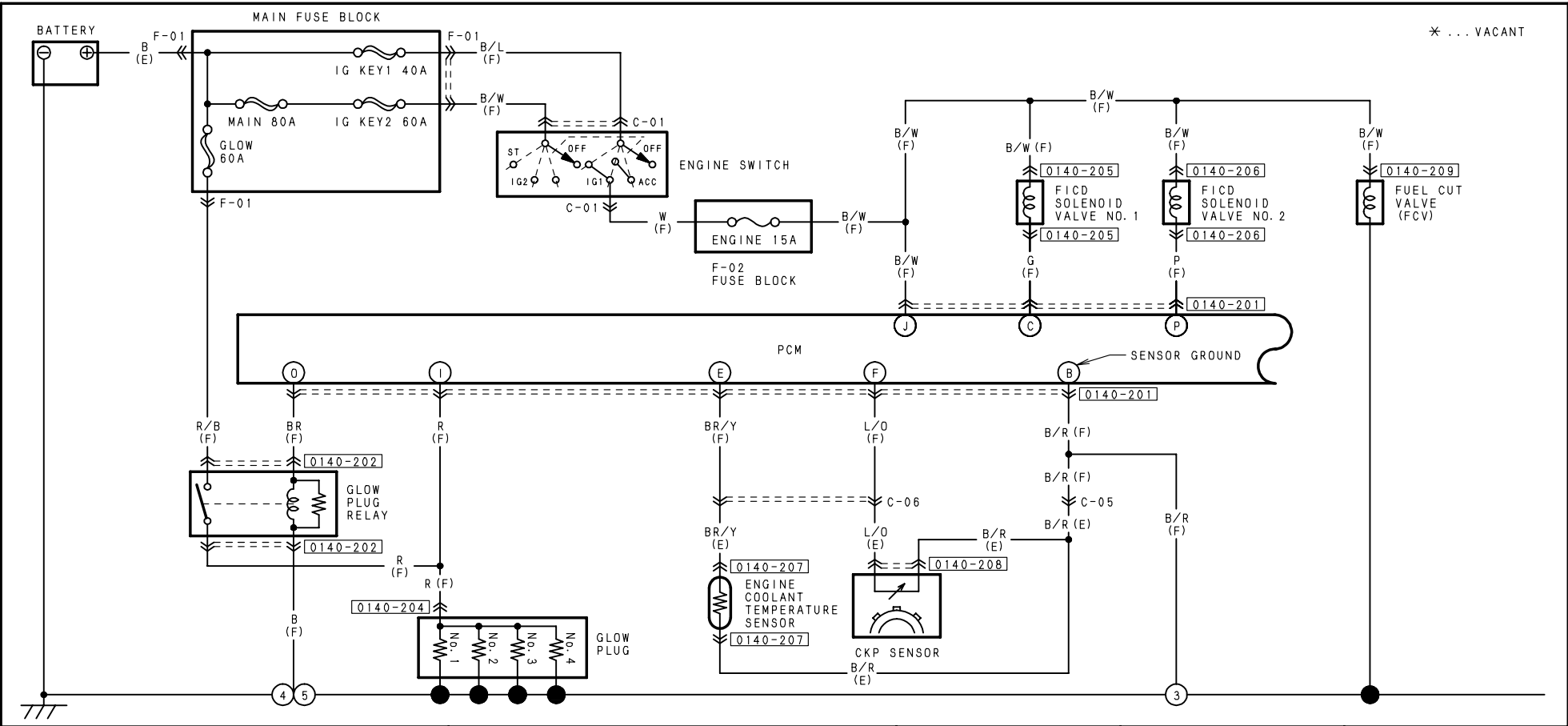


HARNESS SYMBOL:  (F)  (E)  (R)



CONTROL SYSTEM (WLT WITHOUT IMMOBILIZER SYSTEM)

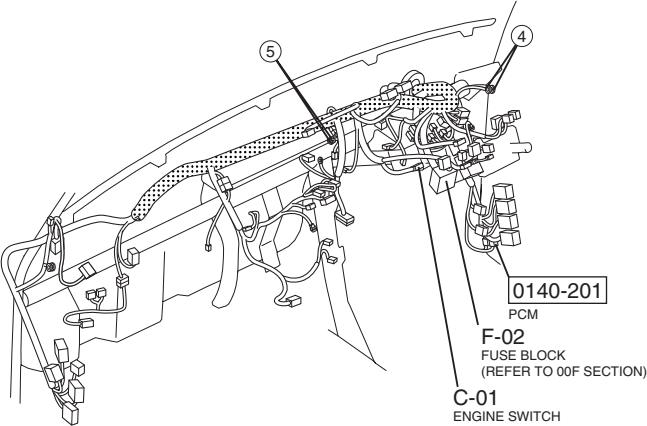
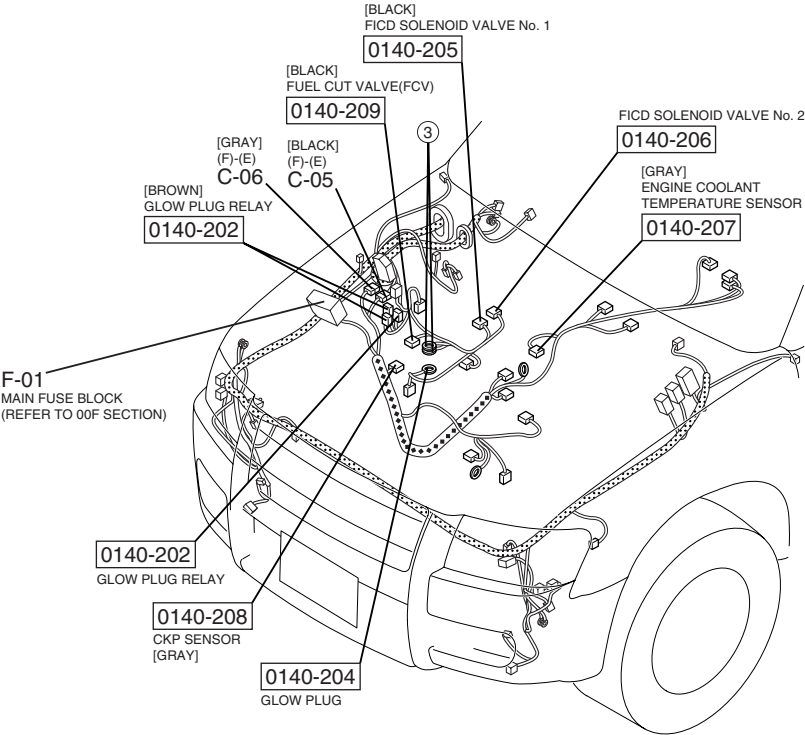
0140-2a

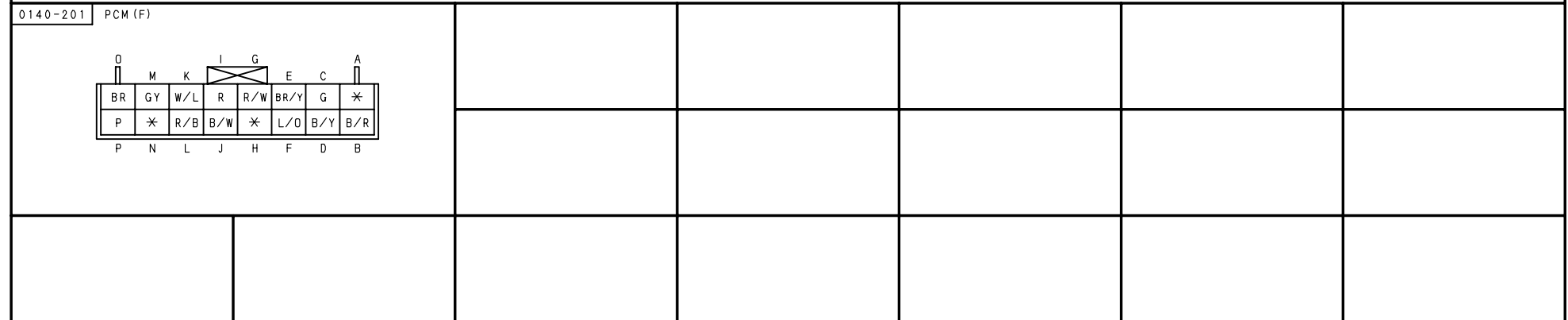





0140-201	PCM (F)	0140-202	GLDW PLUG RELAY (F)	0140-204	GLDW PLUG (F)	0140-205	FICD SOLENOID VALVE NO. 1 (F)	0140-206	FICD SOLENOID VALVE NO. 2 (F)																																								
<table><tr><td>O</td><td>M</td><td>K</td><td>I</td><td>G</td><td>E</td><td>C</td><td>A</td></tr><tr><td>BR</td><td>GY</td><td>W/L</td><td>R</td><td>R/W</td><td>BR/Y</td><td>G</td><td>*</td></tr><tr><td>P</td><td>*</td><td>R/B</td><td>B/W</td><td>*</td><td>L/O</td><td>B/Y</td><td>B/R</td></tr><tr><td>P</td><td>N</td><td>L</td><td>J</td><td>H</td><td>F</td><td>D</td><td>B</td></tr></table>		O	M	K	I	G	E	C	A	BR	GY	W/L	R	R/W	BR/Y	G	*	P	*	R/B	B/W	*	L/O	B/Y	B/R	P	N	L	J	H	F	D	B	<table><tr><td>R</td><td>BR B</td><td>R/B</td></tr></table>		R	BR B	R/B	<table><tr><td>R</td></tr></table>	R	<table><tr><td>G</td><td>B/W</td></tr></table>	G	B/W	<table><tr><td>P</td><td>B/W</td></tr></table>	P	B/W			
O	M	K	I	G	E	C	A																																										
BR	GY	W/L	R	R/W	BR/Y	G	*																																										
P	*	R/B	B/W	*	L/O	B/Y	B/R																																										
P	N	L	J	H	F	D	B																																										
R	BR B	R/B																																															
R																																																	
G	B/W																																																
P	B/W																																																
		0140-207	ENGINE COOLANT TEMPERATURE SENSOR (E)	0140-208	CKP SENSOR (E)	0140-209	FUEL CUT VALVE (FCV) (F)																																										
		<table><tr><td>B/R</td><td>BR/Y</td></tr></table>	B/R	BR/Y	<table><tr><td>B/R</td><td>L/O</td></tr></table>	B/R	L/O	<table><tr><td>B/W</td></tr></table>	B/W																																								
B/R	BR/Y																																																
B/R	L/O																																																
B/W																																																	

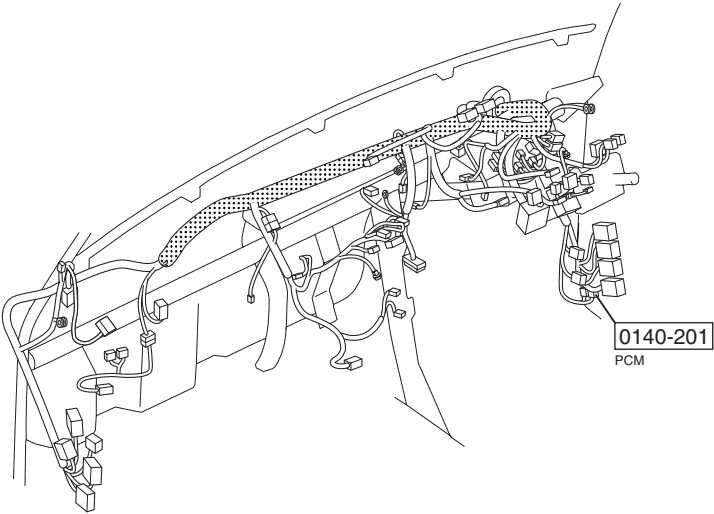
HARNESS SYMBOL:  (F)  (E)  (R)

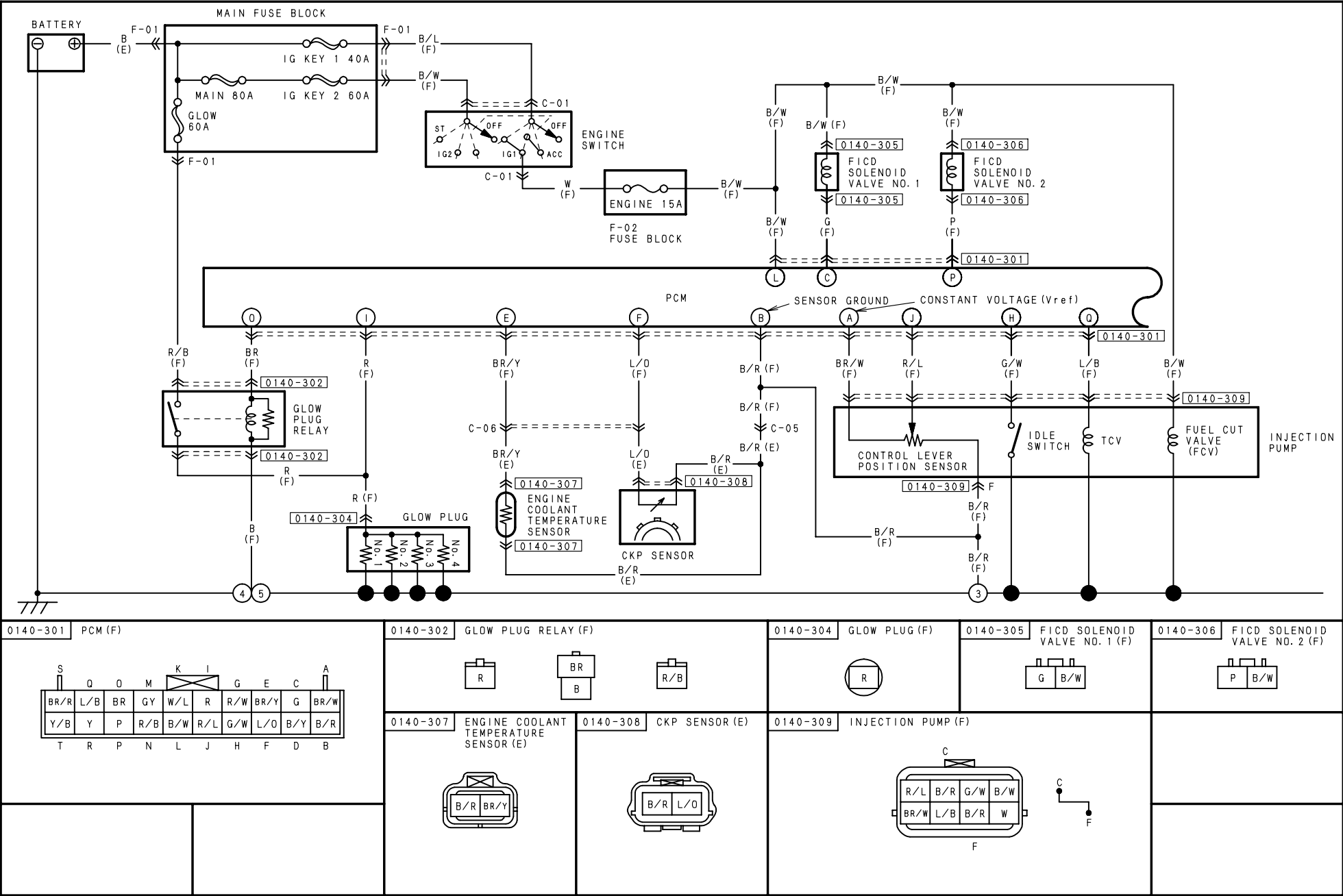
51





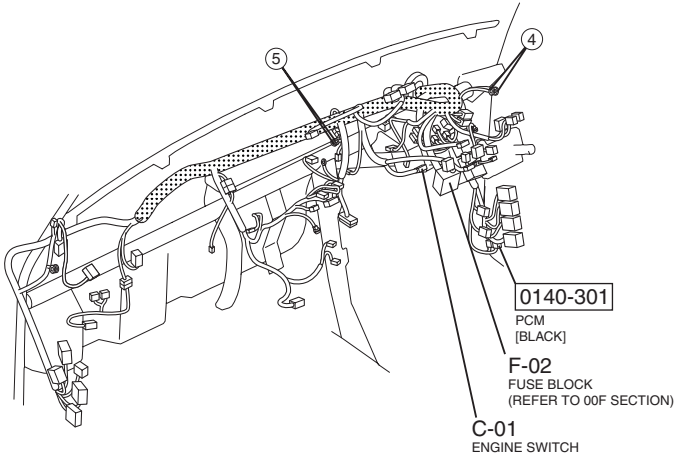
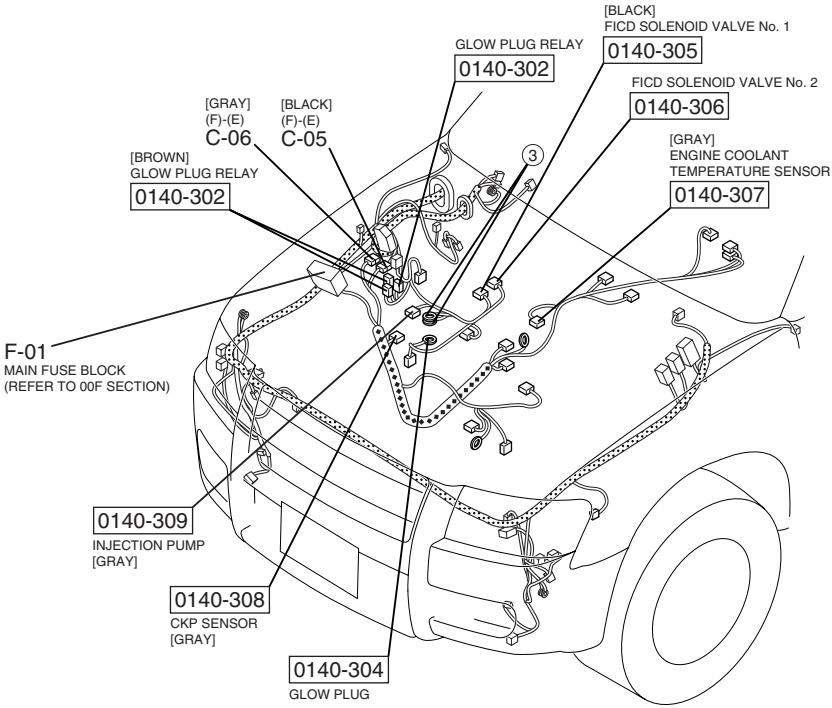
HARNESS SYMBOL:  (F)  (E)  (R)



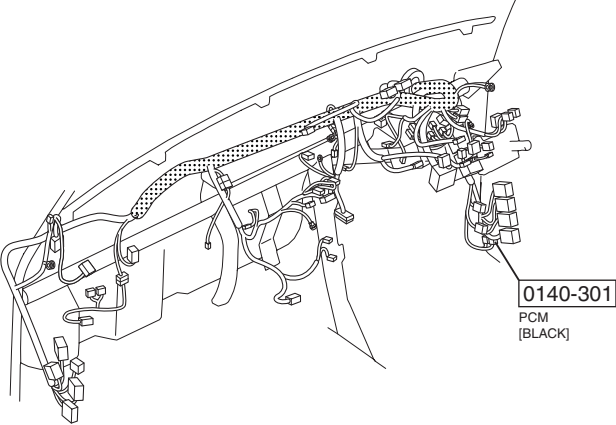
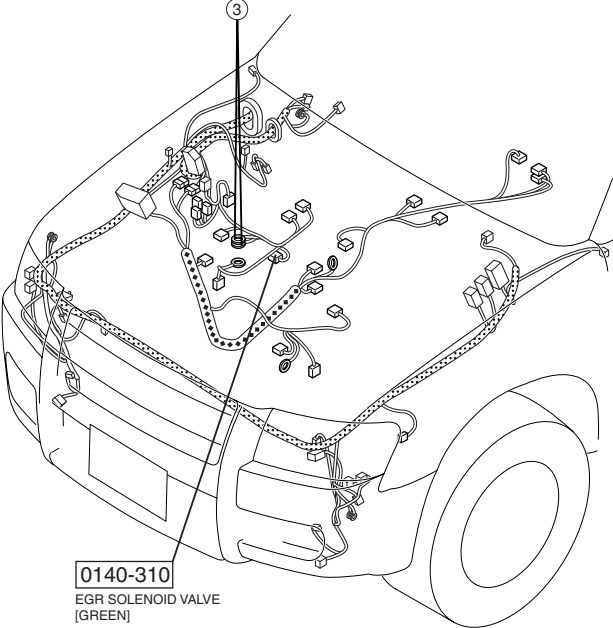


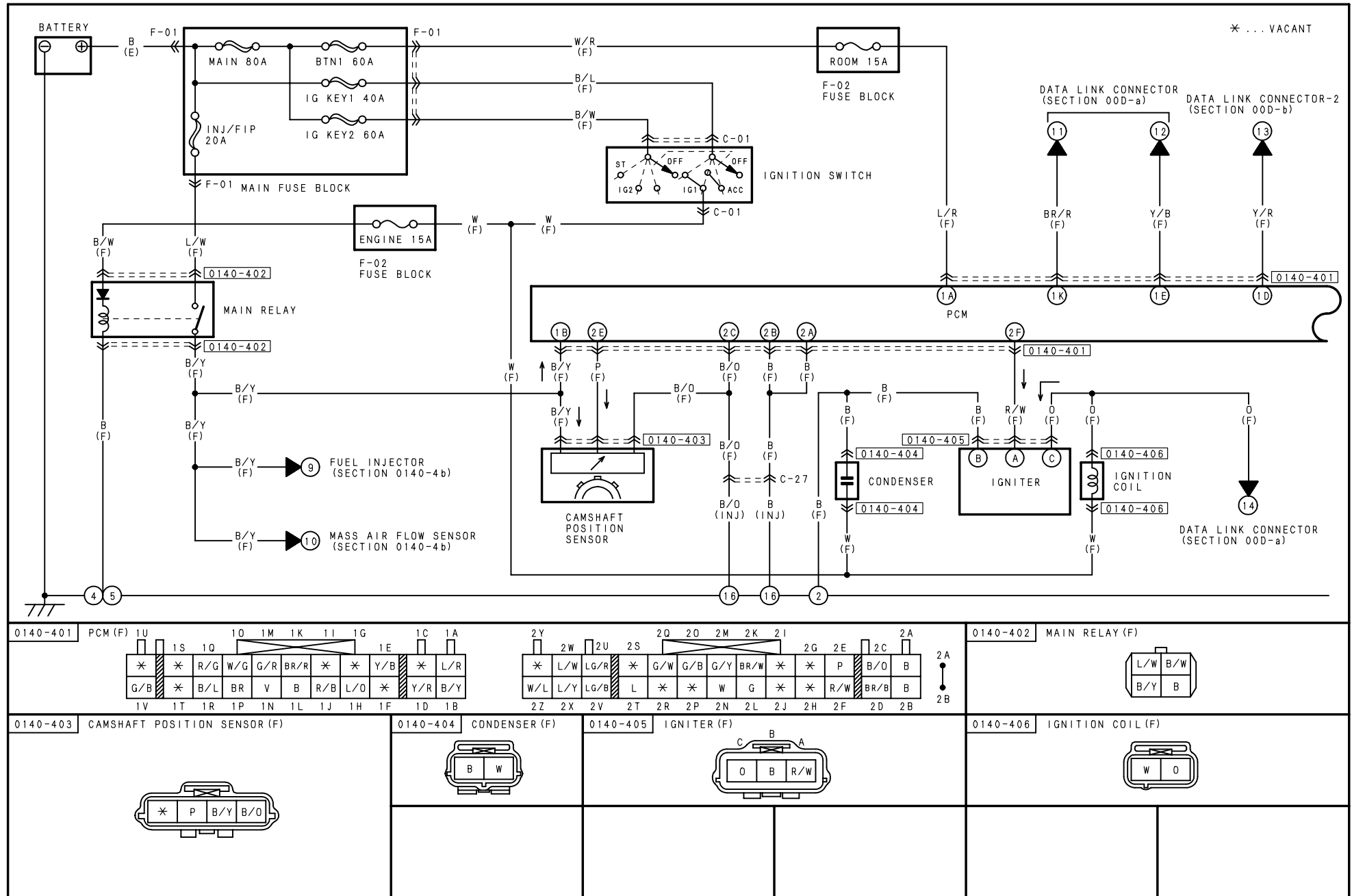
HARNESS SYMBOL:  (F)  (E)  (R)

55

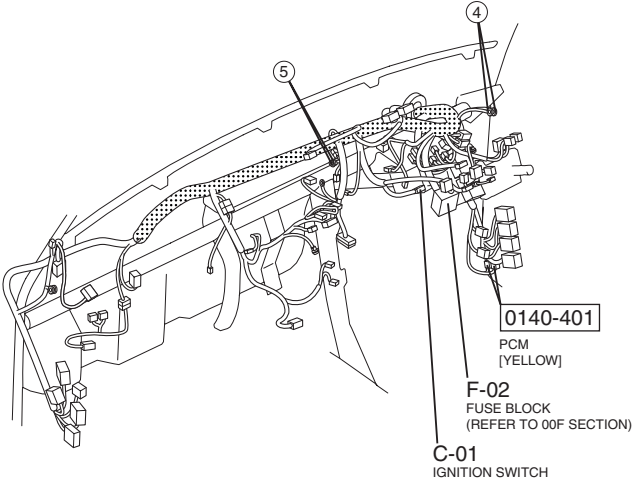
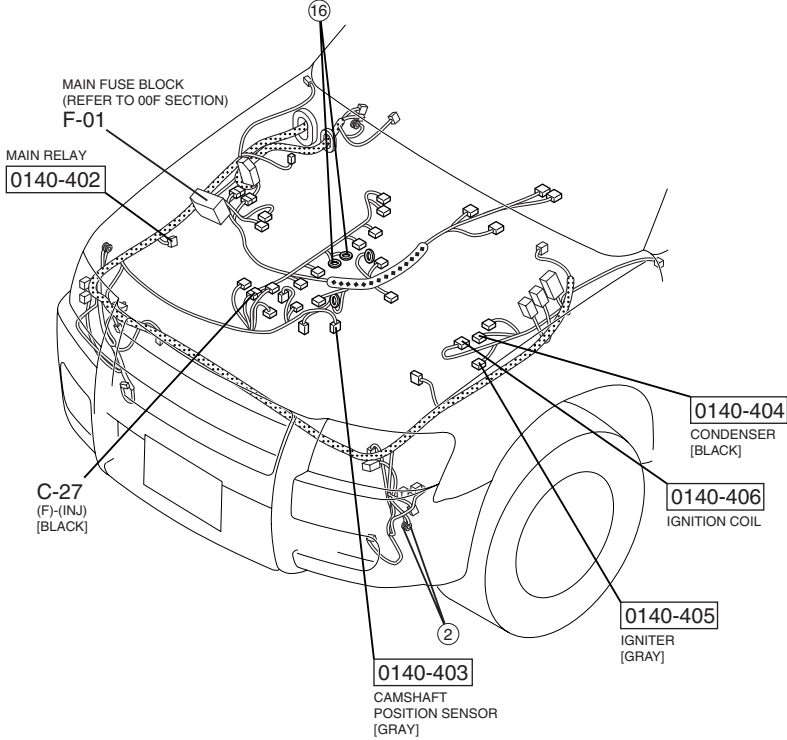


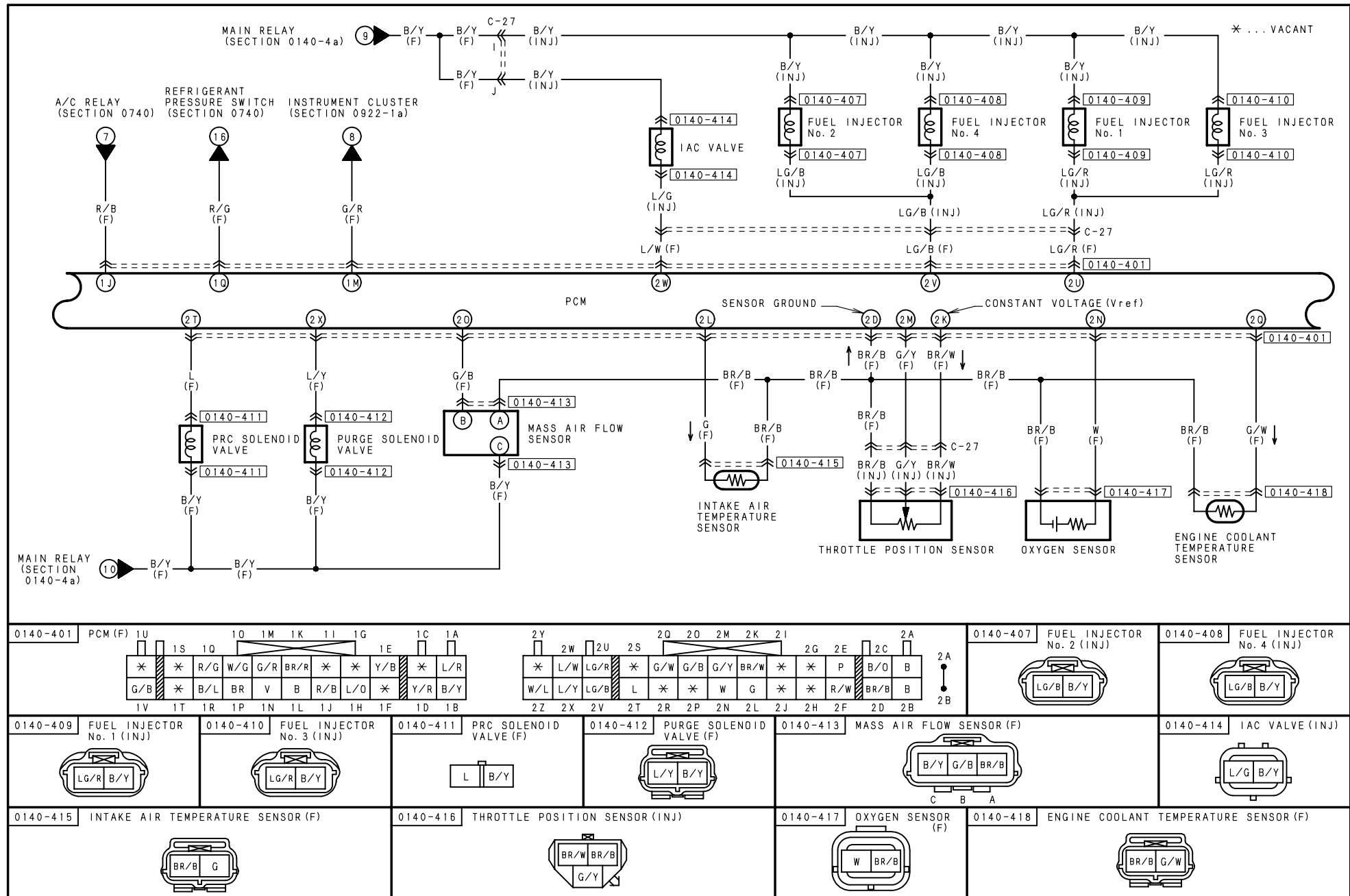
HARNESS SYMBOL:  (F)  (E)  (R)



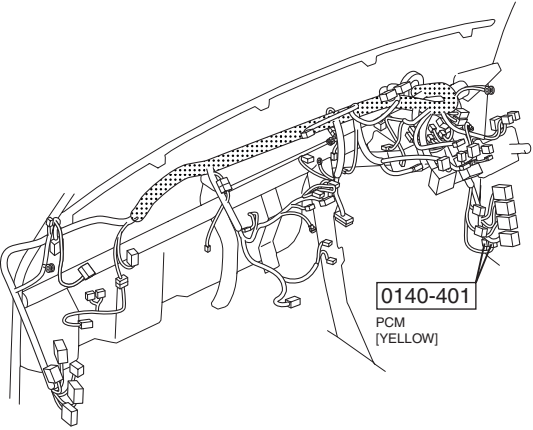
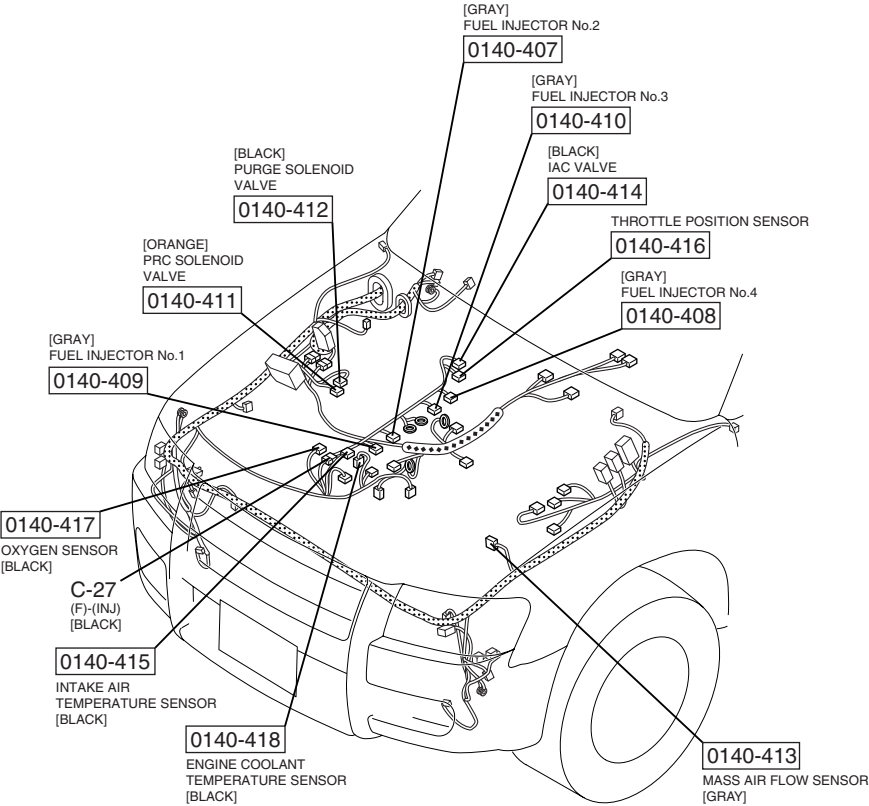


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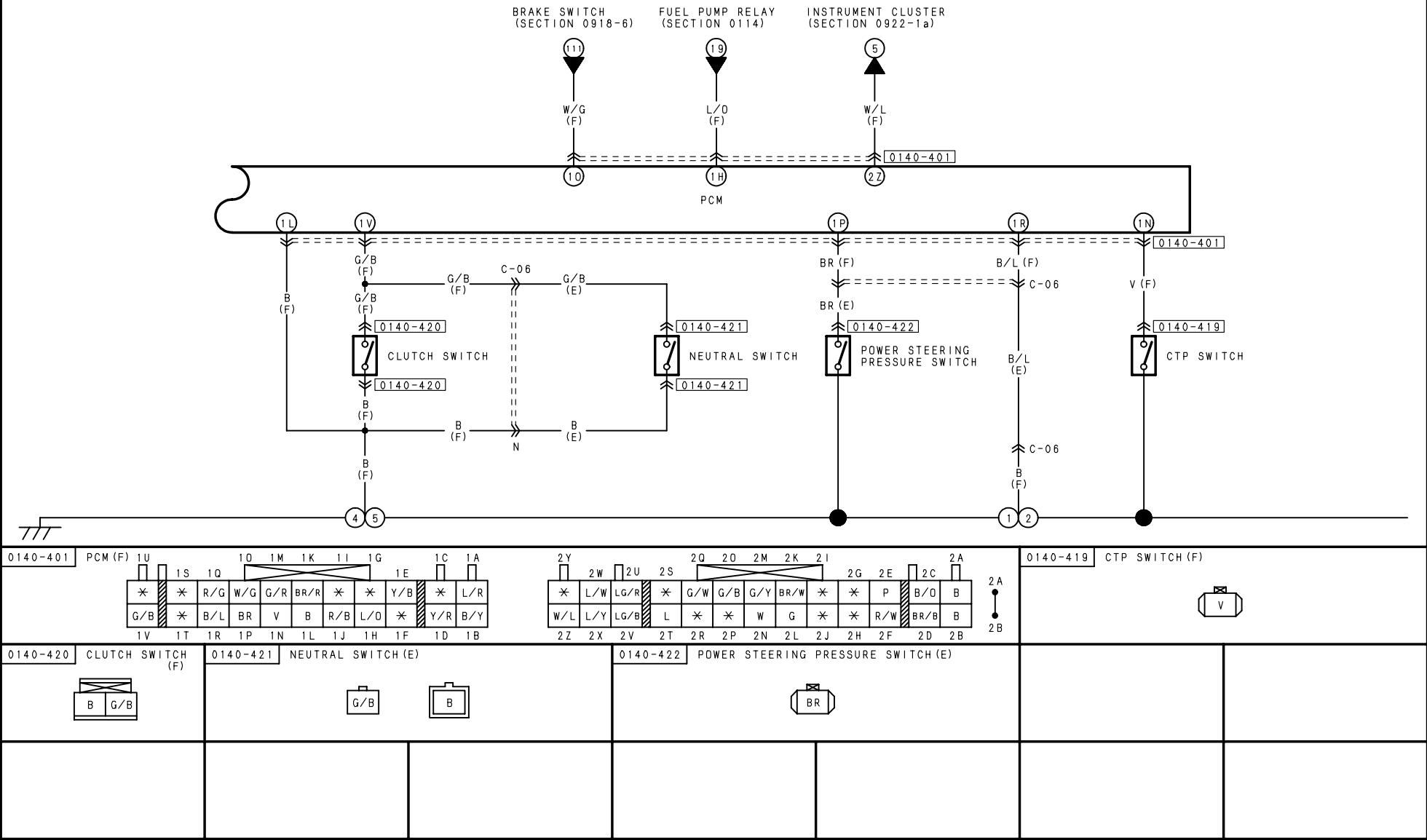


HARNESS SYMBOL:  (F)  (E)  (R)

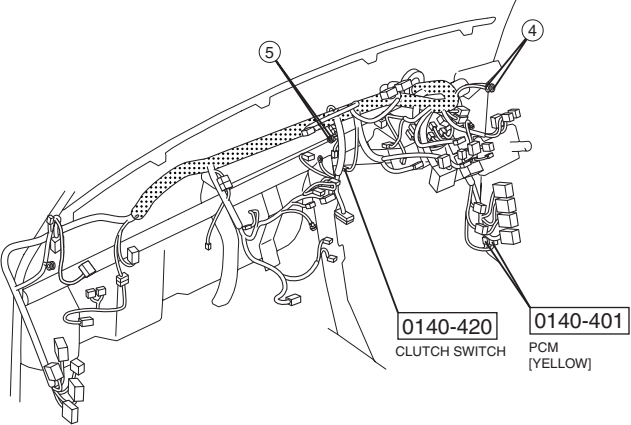
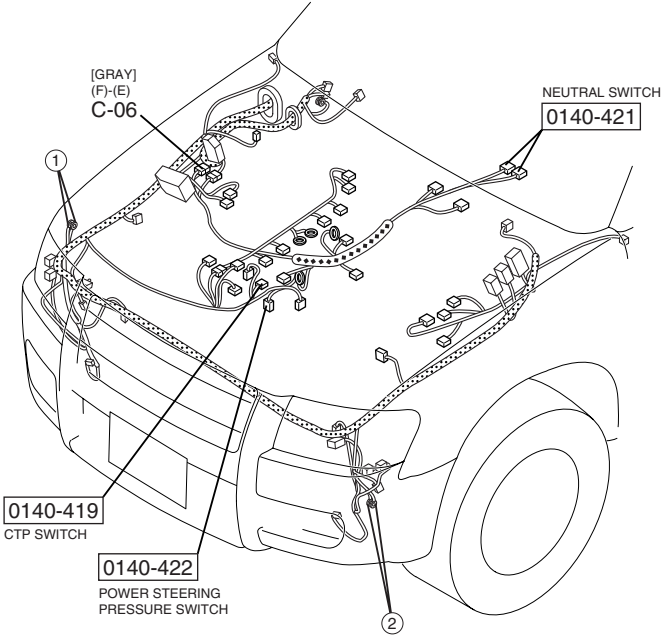


* ... VACANT

62

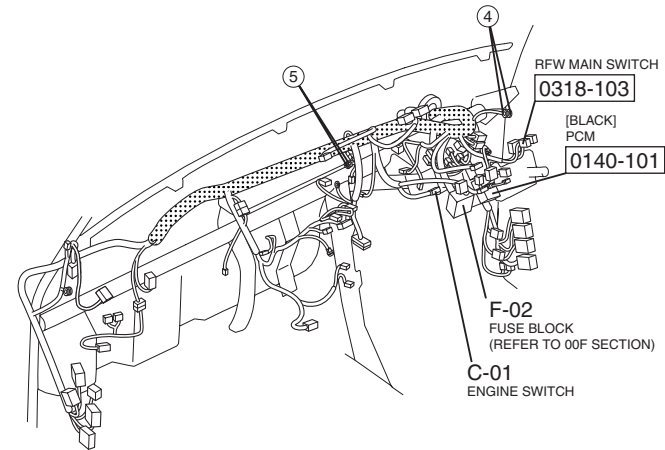
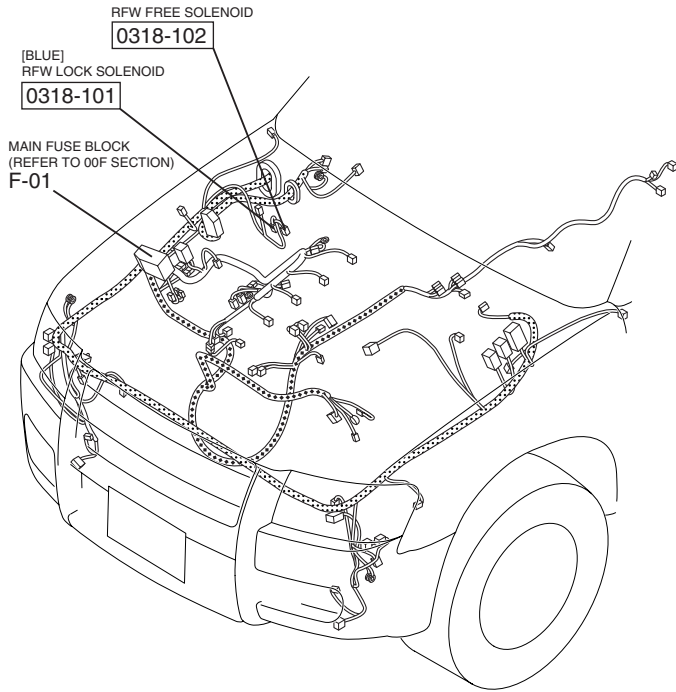


HARNESS SYMBOL:  (F)  (E)  (R)

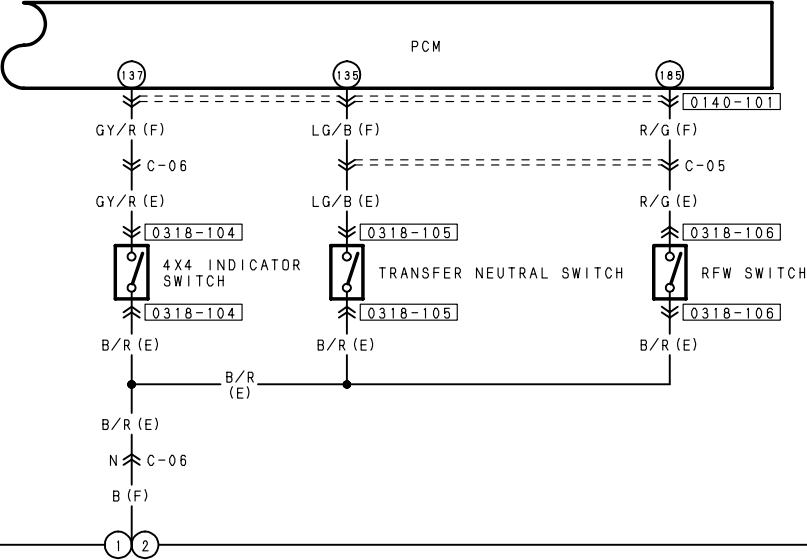


HARNESS SYMBOL:  (F)  (E)  (R)

65

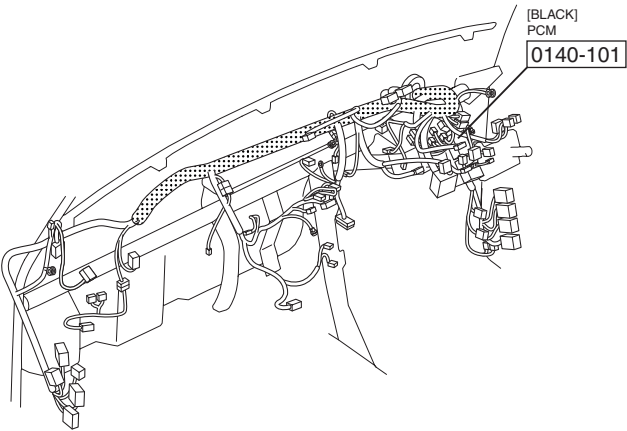
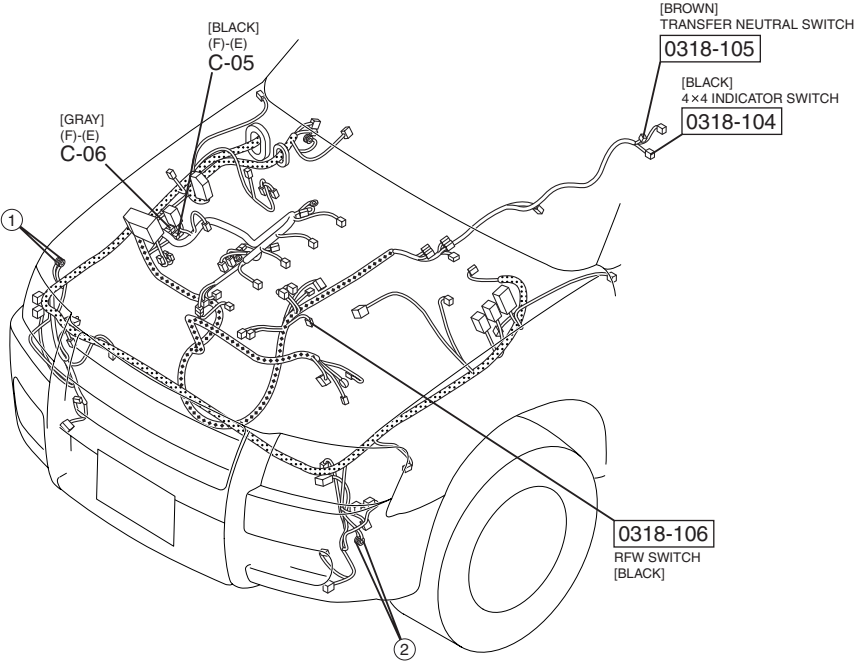


* ... VACANT

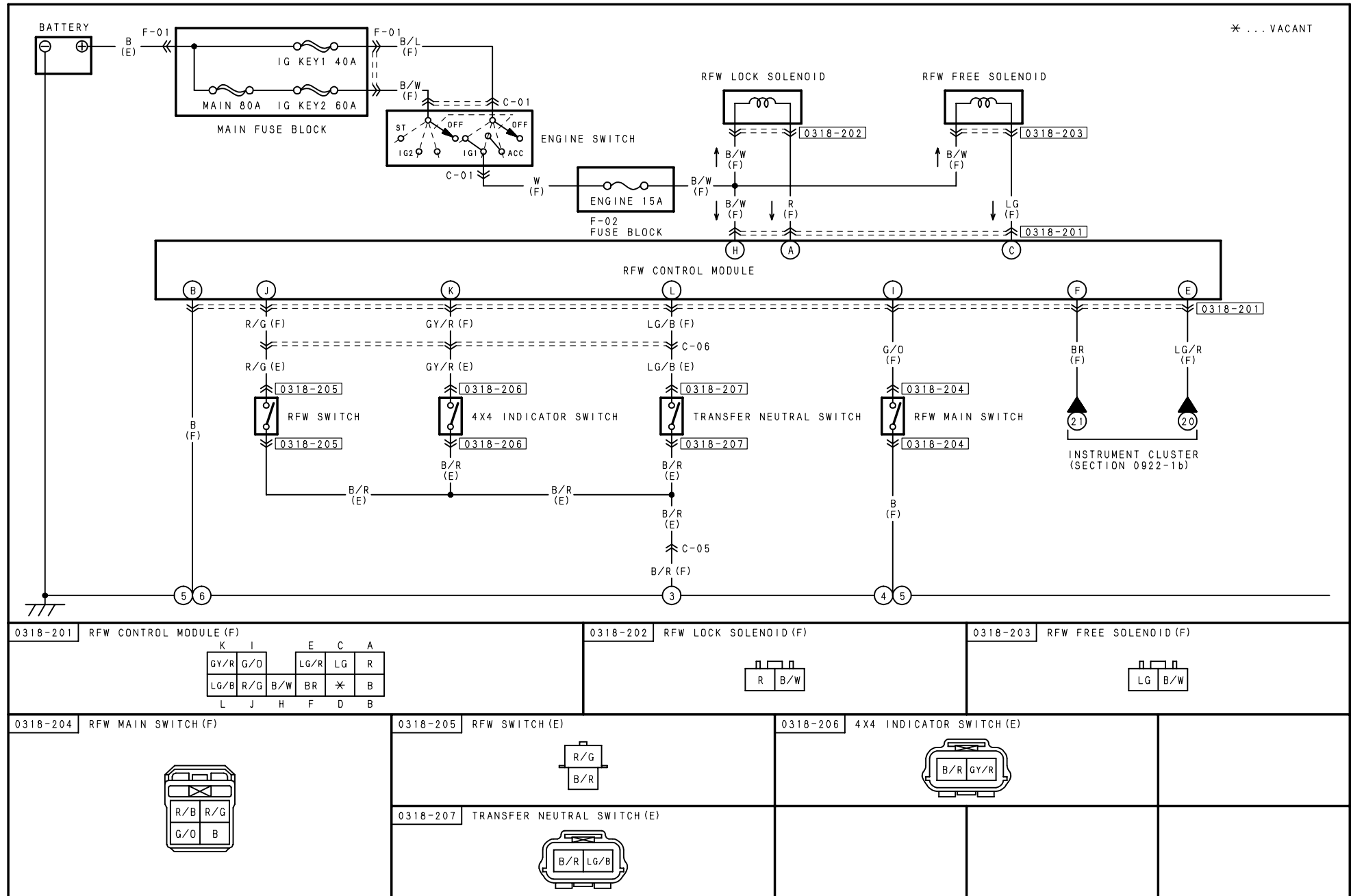


0318-104	4X4 INDICATOR SWITCH (E)	0318-105	TRANSFER NEUTRAL SWITCH (E)	0318-106	RFW SWITCH (E)																																																																																																																																																																																																	
0140-101	PCM (F)																																																																																																																																																																																																					
<table><tr><td>124</td><td>123</td><td>122</td><td>121</td><td>120</td><td>119</td><td>118</td><td>117</td><td>116</td><td>115</td><td>114</td><td>113</td><td>112</td><td>111</td><td>110</td><td>109</td><td>108</td><td>107</td><td>106</td><td>105</td><td>104</td><td>103</td><td>102</td><td>101</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>B/L</td><td>L/Y</td><td>Y</td><td>*</td><td>*</td><td>B/Y</td><td>R/G</td><td>LG/R</td><td>*</td><td>*</td><td>L/W</td><td>*</td><td>*</td><td>*</td><td>R</td><td>LG</td></tr><tr><td>148</td><td>147</td><td>146</td><td>145</td><td>144</td><td>143</td><td>142</td><td>141</td><td>140</td><td>139</td><td>138</td><td>137</td><td>136</td><td>135</td><td>134</td><td>133</td><td>132</td><td>131</td><td>130</td><td>129</td><td>128</td><td>127</td><td>126</td><td>125</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>GY/L</td><td>W/L</td><td>*</td><td>*</td><td>GY/R</td><td>*</td><td>LG/B</td><td>*</td><td>V/R</td><td>*</td><td>*</td><td>*</td><td>B/W</td><td>R/B</td><td>*</td><td>BR/W</td><td>P</td></tr><tr><td>172</td><td>171</td><td>170</td><td>169</td><td>168</td><td>167</td><td>166</td><td>165</td><td>164</td><td>163</td><td>162</td><td>161</td><td>160</td><td>159</td><td>158</td><td>157</td><td>156</td><td>155</td><td>154</td><td>153</td><td>152</td><td>151</td><td>150</td><td>149</td></tr><tr><td>*</td><td>P</td><td>W</td><td>V/Y</td><td>*</td><td>L/O</td><td>*</td><td>*</td><td>*</td><td>*</td><td>G/W</td><td>G/Y</td><td>*</td><td>*</td><td>*</td><td>BR/Y</td><td>W/R</td><td>B/O</td><td>*</td><td>L/B</td><td>*</td><td>BR</td><td>W</td></tr><tr><td>196</td><td>195</td><td>194</td><td>193</td><td>192</td><td>191</td><td>190</td><td>189</td><td>188</td><td>187</td><td>186</td><td>185</td><td>184</td><td>183</td><td>182</td><td>181</td><td>180</td><td>179</td><td>178</td><td>177</td><td>176</td><td>175</td><td>174</td><td>173</td></tr><tr><td>*</td><td>V</td><td>BR</td><td>L</td><td>G</td><td>O</td><td>BR/W</td><td>R/Y</td><td>GY</td><td>*</td><td>*</td><td>R/G</td><td>G/R</td><td>*</td><td>BR</td><td>W/G</td><td>*</td><td>L/R</td><td>Y/B</td><td>R/W</td><td>LG/B</td><td>*</td><td>V</td><td>B/Y</td></tr></table>						124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101	*	*	*	*	*	*	*	*	B/L	L/Y	Y	*	*	B/Y	R/G	LG/R	*	*	L/W	*	*	*	R	LG	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125	*	*	*	*	*	*	*	GY/L	W/L	*	*	GY/R	*	LG/B	*	V/R	*	*	*	B/W	R/B	*	BR/W	P	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	*	P	W	V/Y	*	L/O	*	*	*	*	G/W	G/Y	*	*	*	BR/Y	W/R	B/O	*	L/B	*	BR	W	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173	*	V	BR	L	G	O	BR/W	R/Y	GY	*	*	R/G	G/R	*	BR	W/G	*	L/R	Y/B	R/W	LG/B	*	V	B/Y		
124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101																																																																																																																																																																															
*	*	*	*	*	*	*	*	B/L	L/Y	Y	*	*	B/Y	R/G	LG/R	*	*	L/W	*	*	*	R	LG																																																																																																																																																																															
148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125																																																																																																																																																																															
*	*	*	*	*	*	*	GY/L	W/L	*	*	GY/R	*	LG/B	*	V/R	*	*	*	B/W	R/B	*	BR/W	P																																																																																																																																																																															
172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149																																																																																																																																																																															
*	P	W	V/Y	*	L/O	*	*	*	*	G/W	G/Y	*	*	*	BR/Y	W/R	B/O	*	L/B	*	BR	W																																																																																																																																																																																
196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173																																																																																																																																																																															
*	V	BR	L	G	O	BR/W	R/Y	GY	*	*	R/G	G/R	*	BR	W/G	*	L/R	Y/B	R/W	LG/B	*	V	B/Y																																																																																																																																																																															

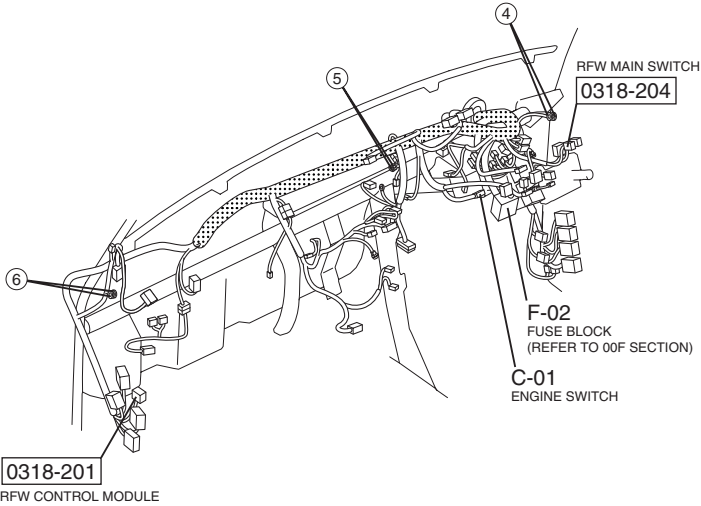
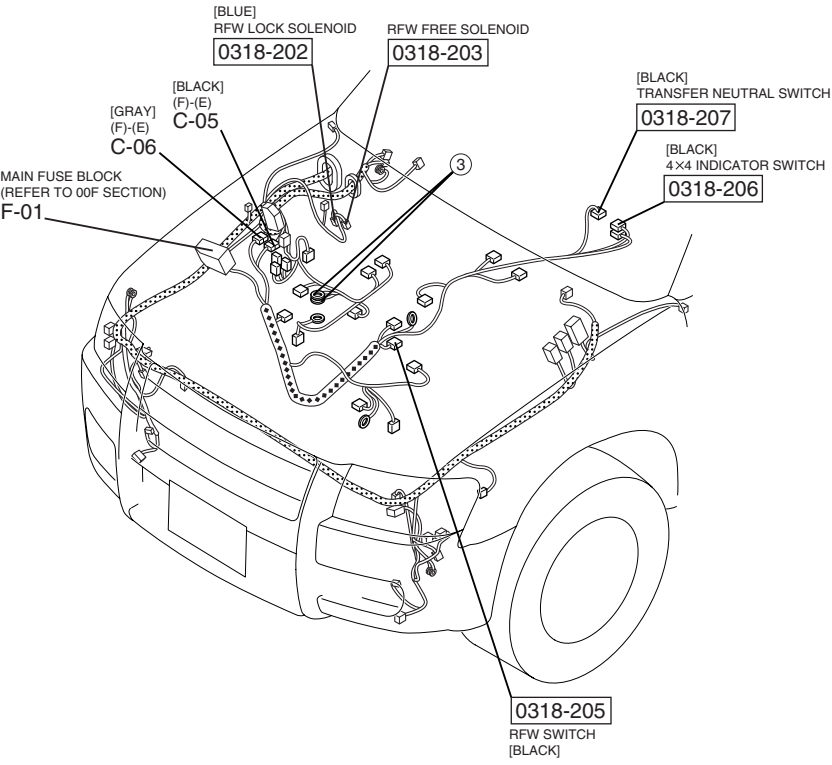
HARNESS SYMBOL:  (F)  (E)  (R)



* ... VACANT

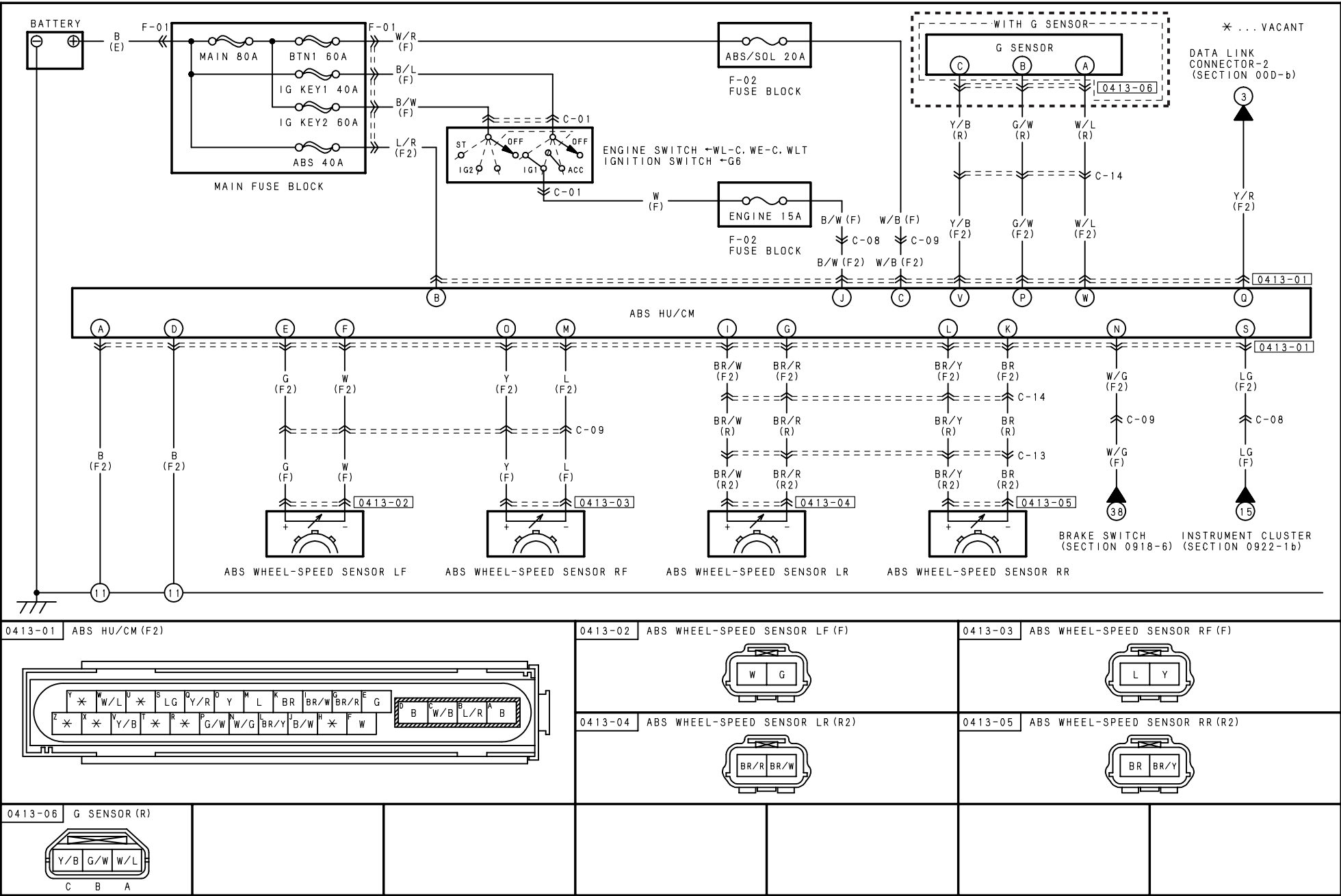


HARNESS SYMBOL:  (F)  (E)  (R)



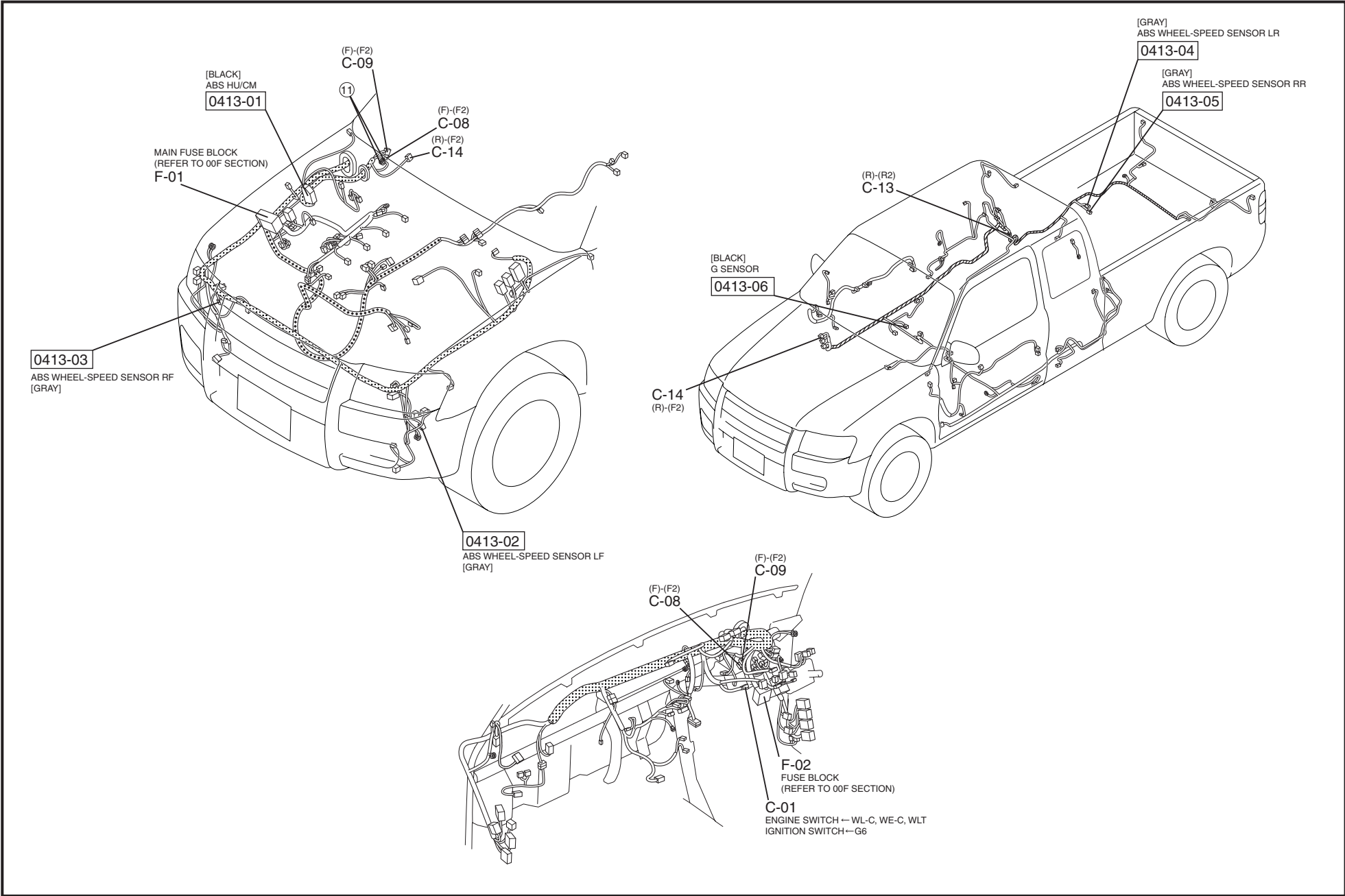
4-WHEEL ANTILOCK BRAKE SYSTEM (4W-ABS)

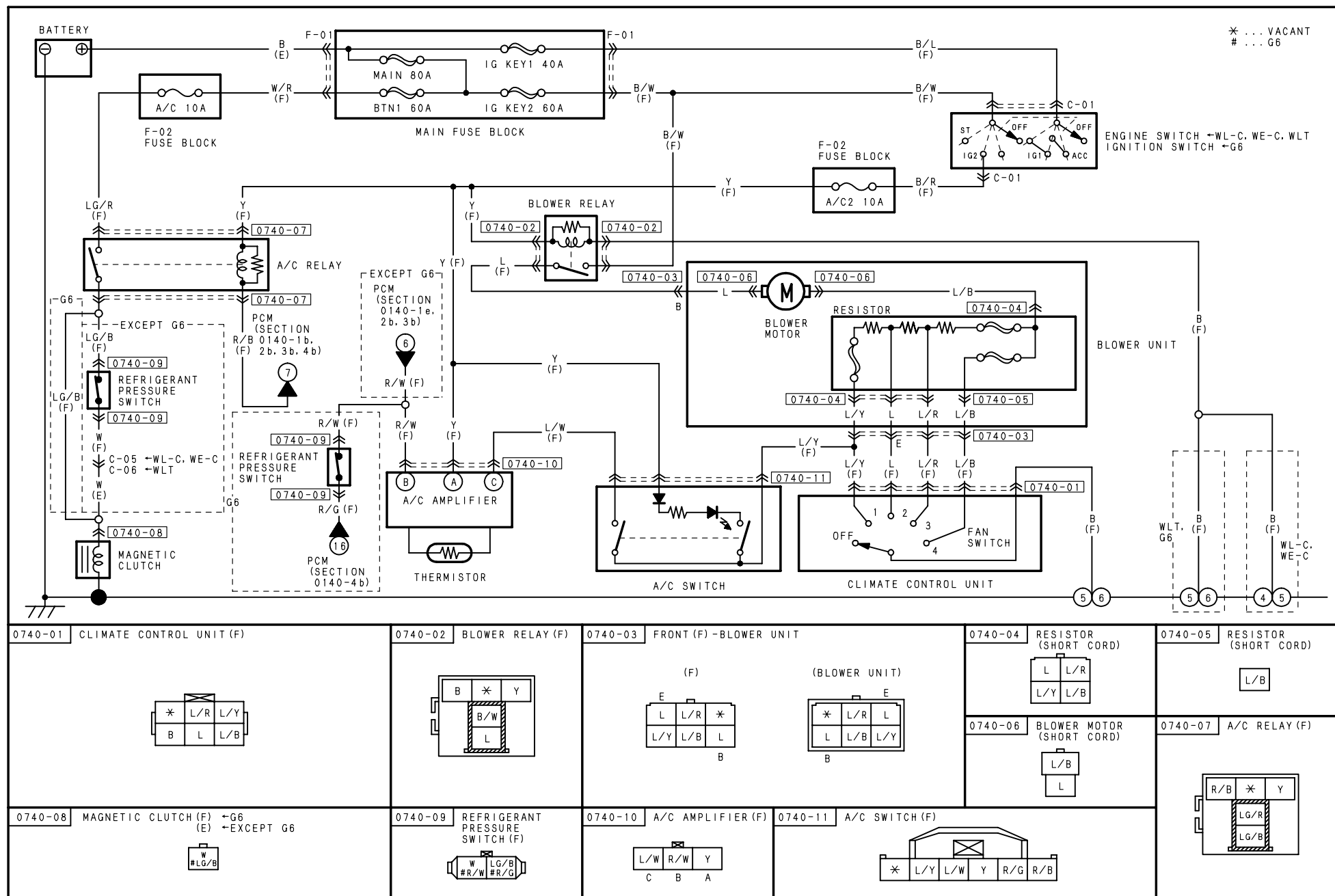
0413



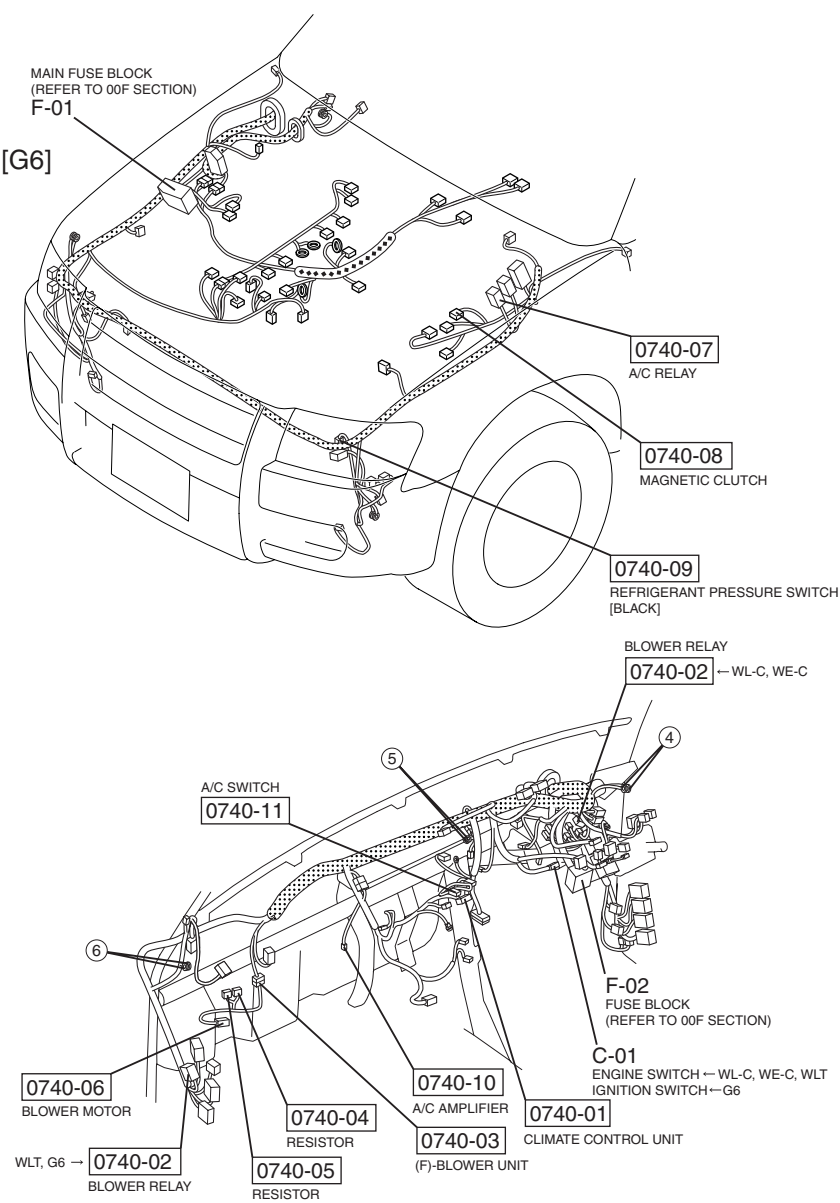
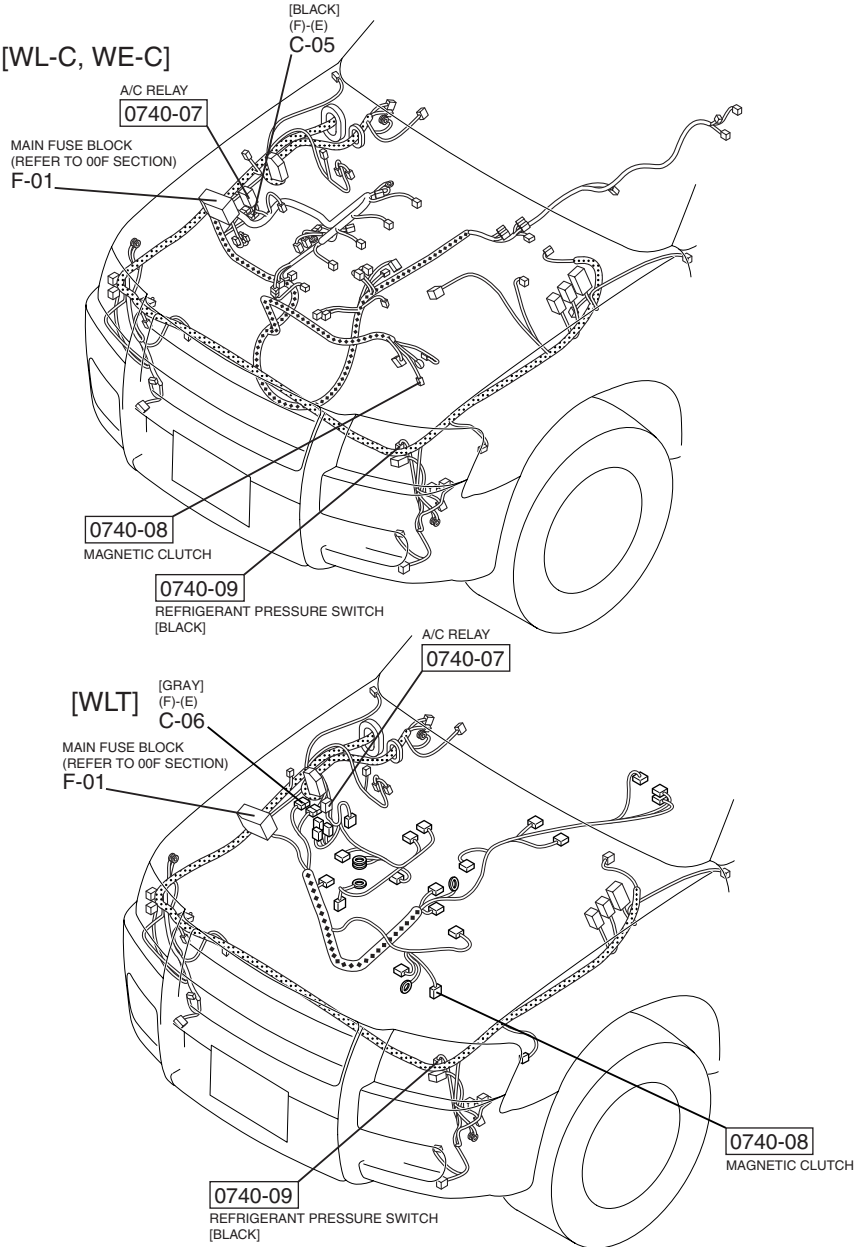
Mazda BT-50 Wiring Diagram (5684-1A-06H)

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



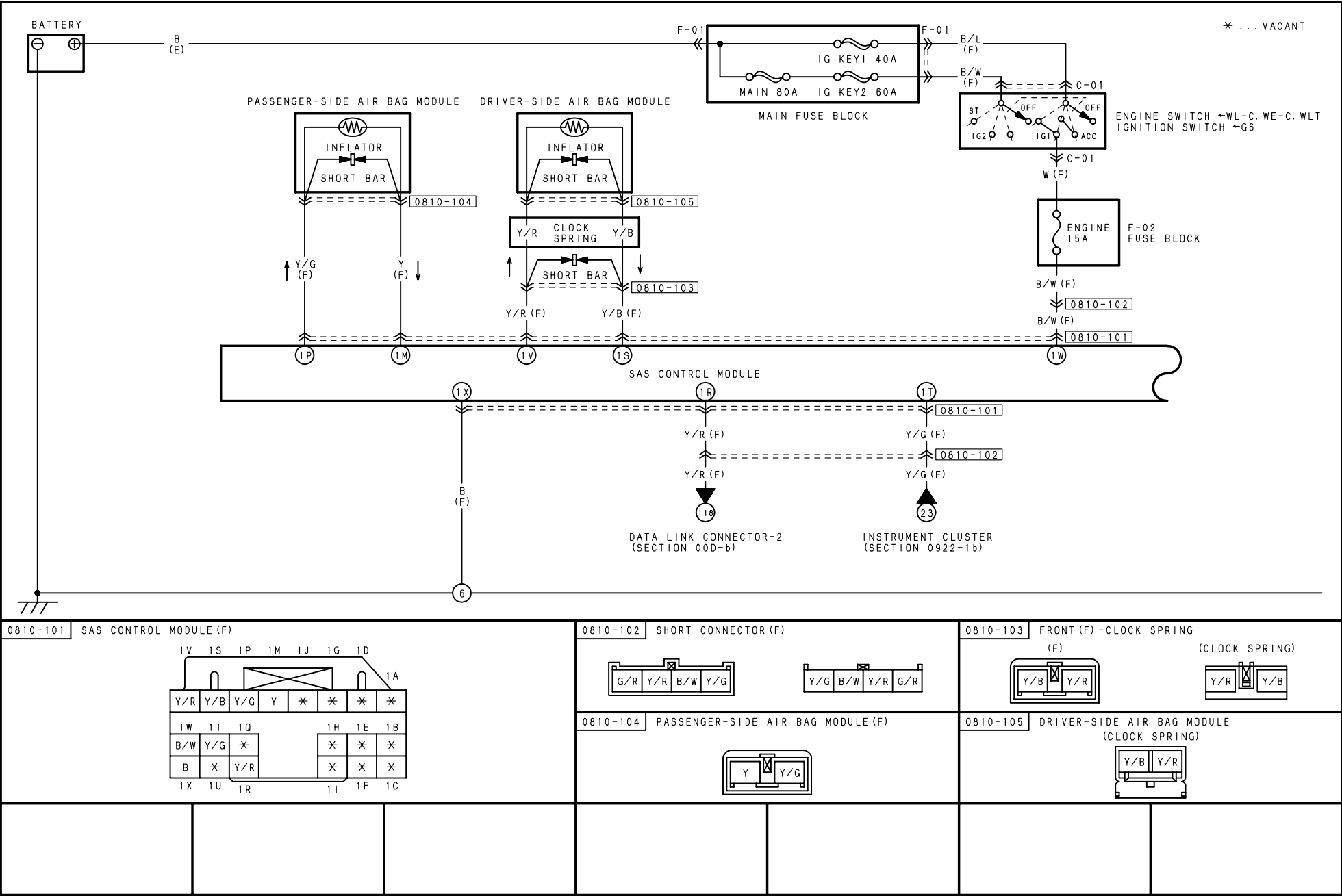


HARNESS SYMBOL:  (F)  (E)  (R)

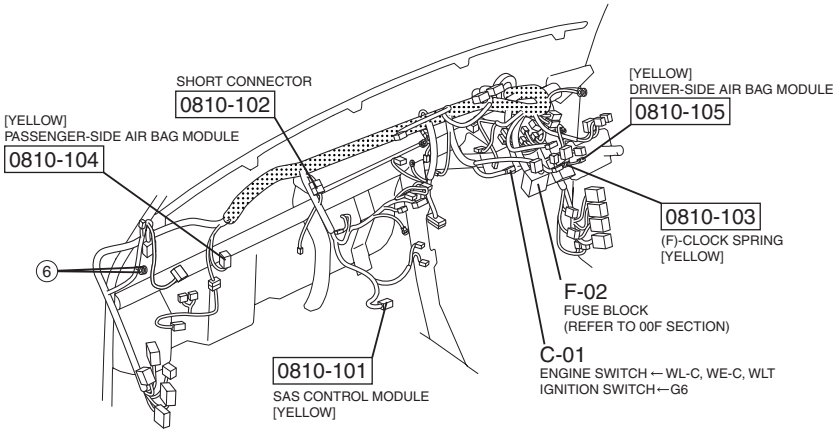
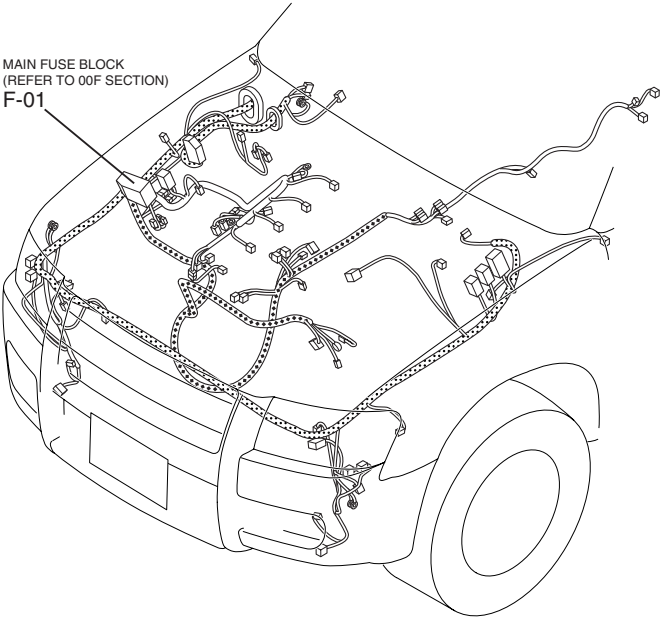


AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

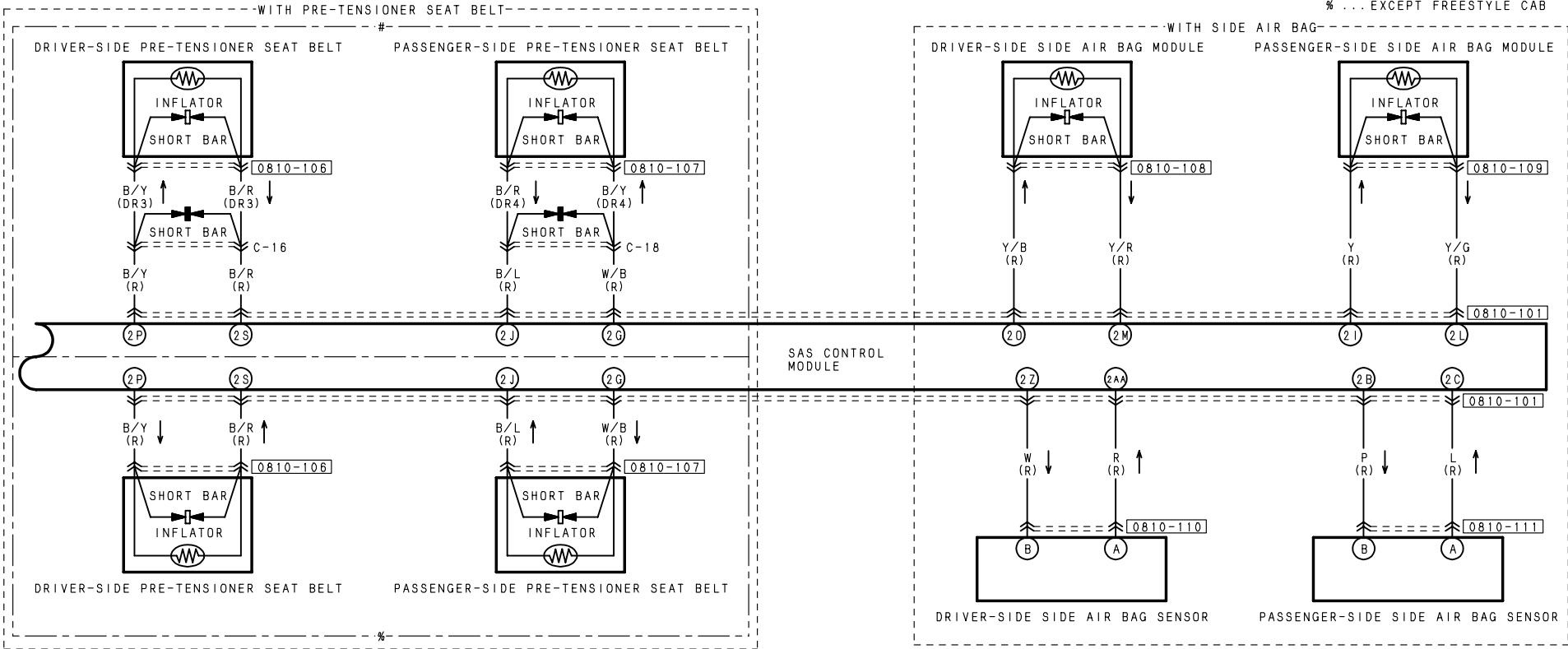
0810-1a



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

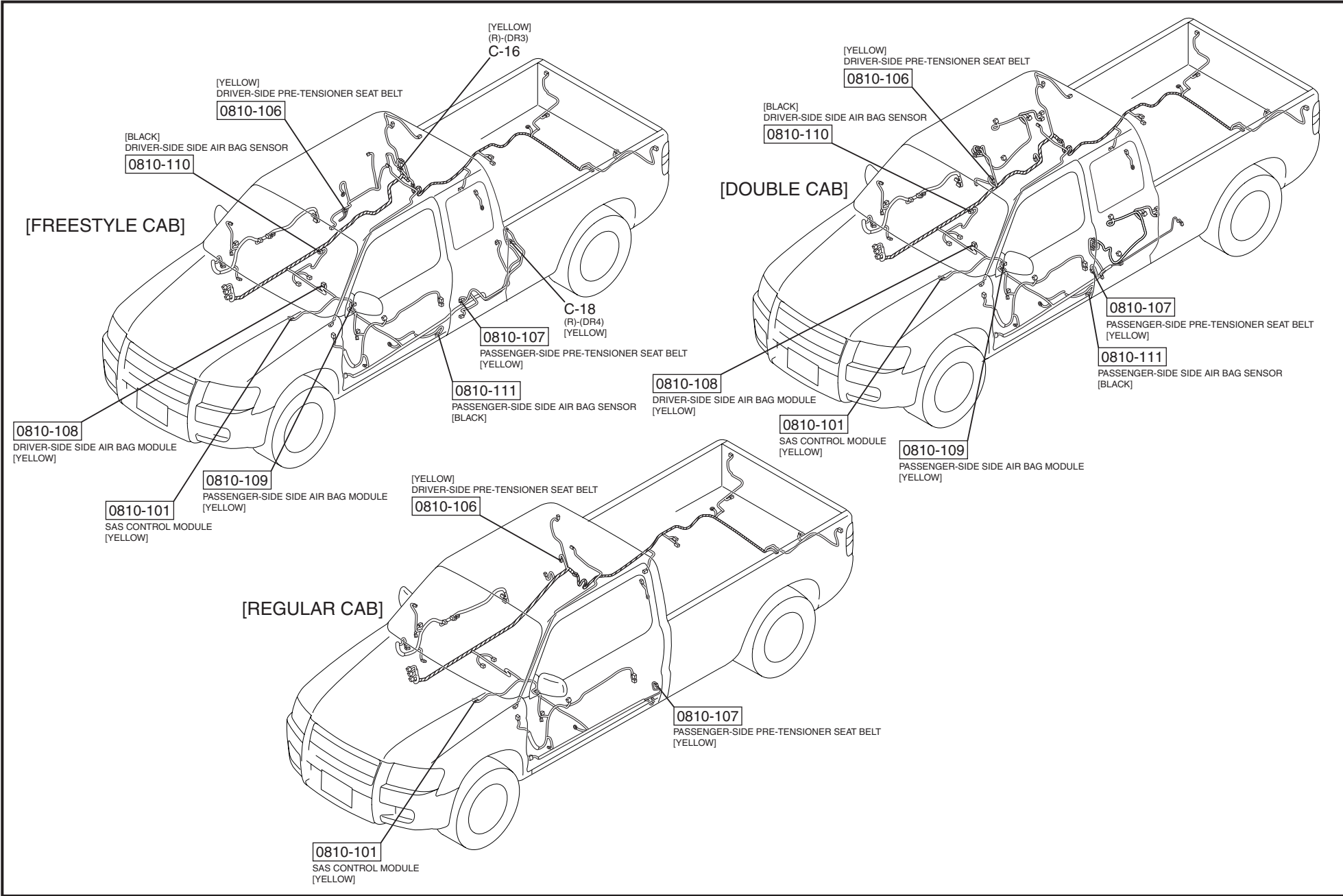


* ... VACANT
@ ... WITH SIDE AIR BAG
... FREESTYLE CAB
% ... EXCEPT FREESTYLE CAB



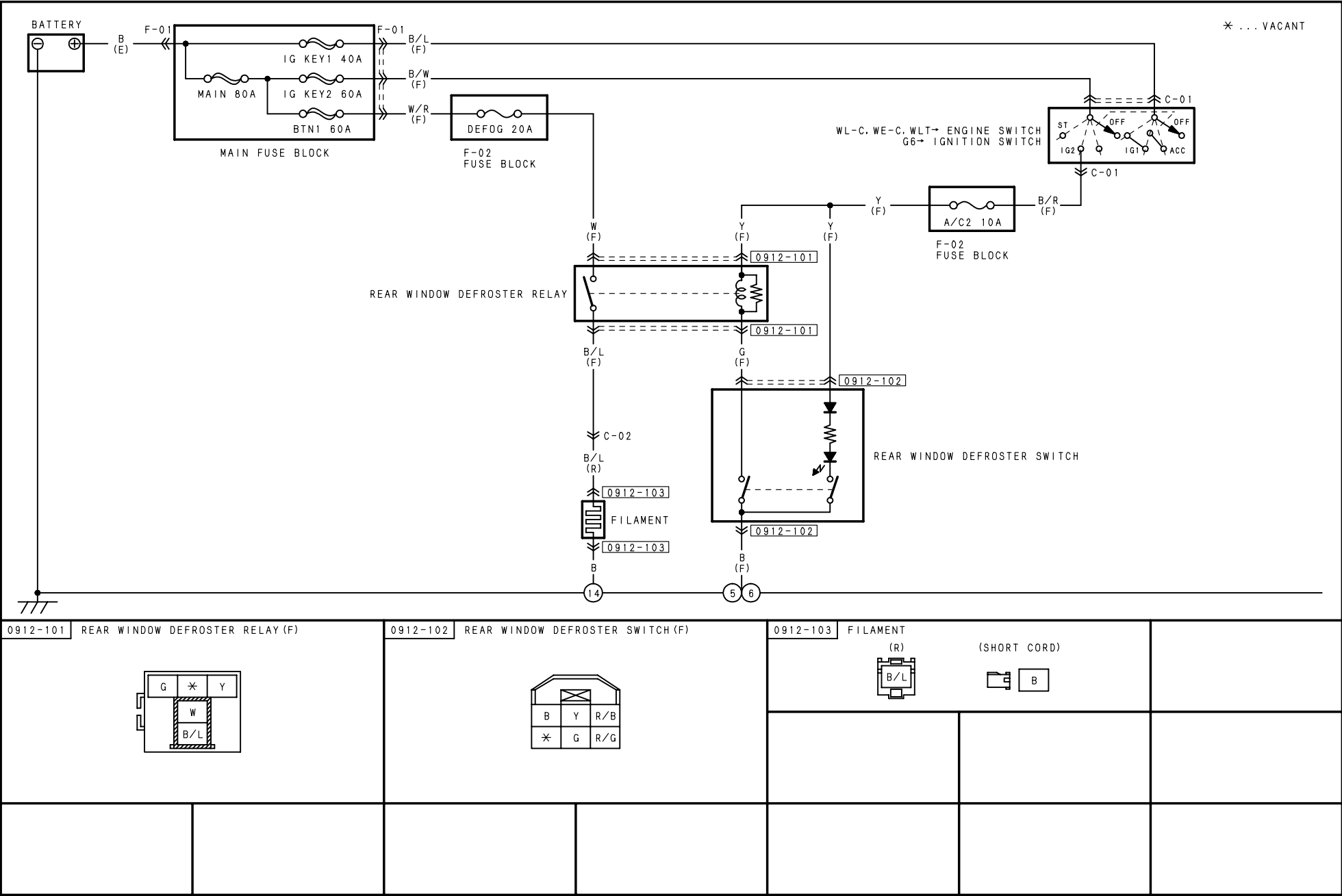
0810-101 SAS CONTROL MODULE (R) 	0810-106 DRIVER-SIDE PRE-TENSIONER SEAT BELT (DR3) ←# (R) ←% 	0810-110 DRIVER-SIDE SIDE AIR BAG SENSOR (R) 	0810-111 PASSENGER-SIDE SIDE AIR BAG SENSOR (R)
0810-108 DRIVER-SIDE SIDE AIR BAG MODULE (R) 	0810-107 PASSENGER-SIDE PRE-TENSIONER SEAT BELT (DR4) ←# (R) ←% 	0810-109 PASSENGER-SIDE SIDE AIR BAG MODULE (R) 	

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

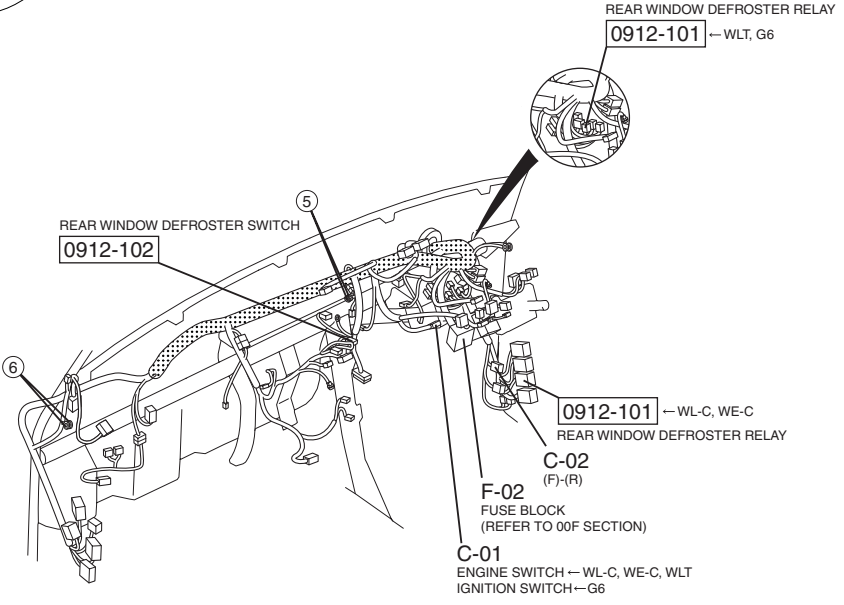
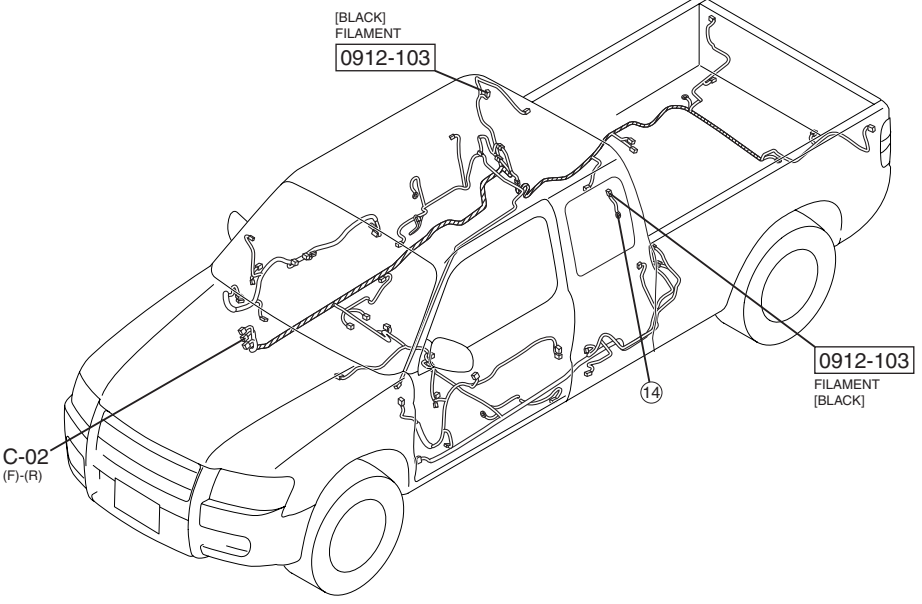
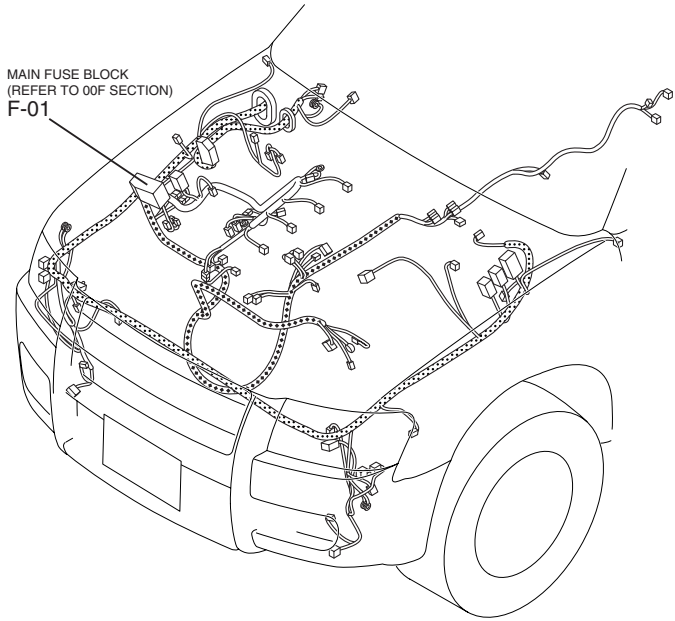


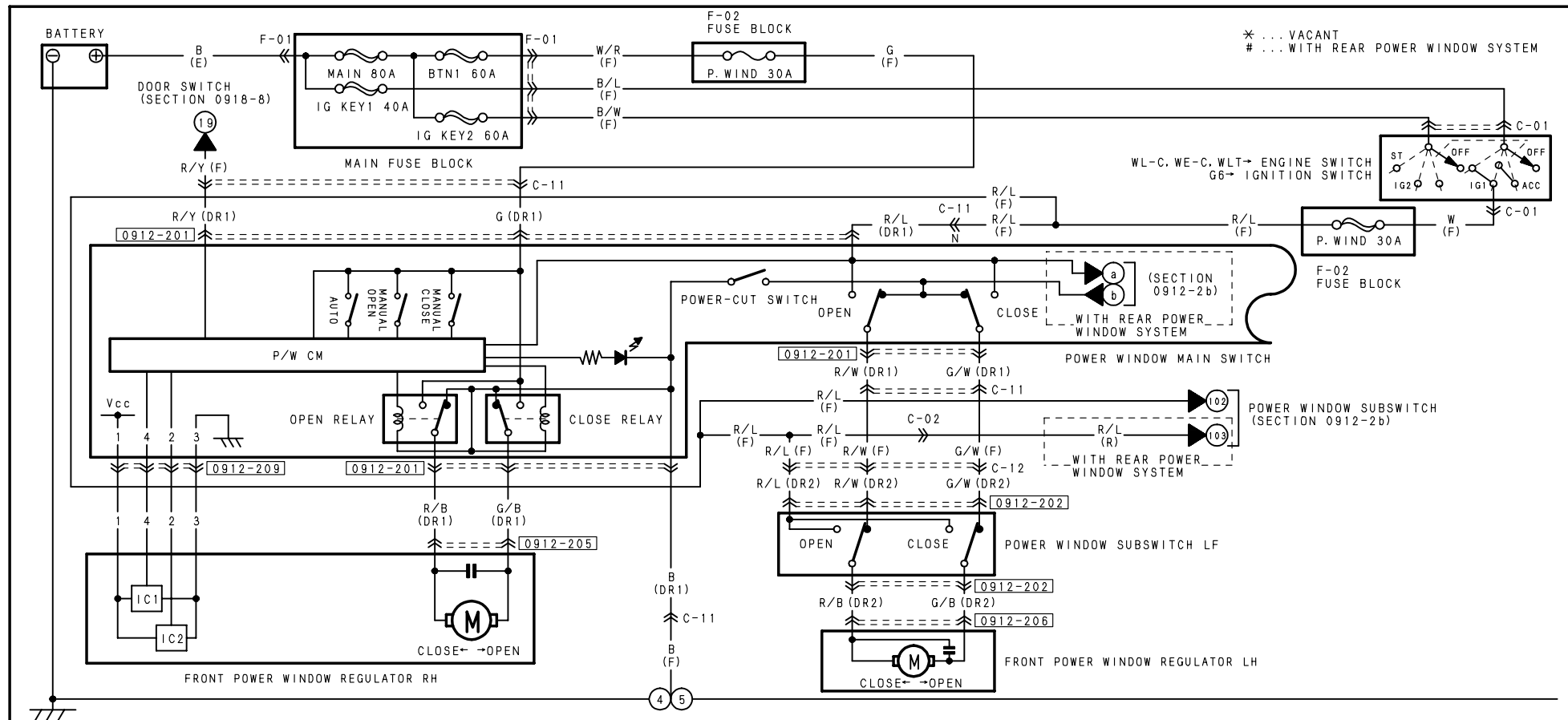
REAR WINDOW DEFROSTER

0912-1



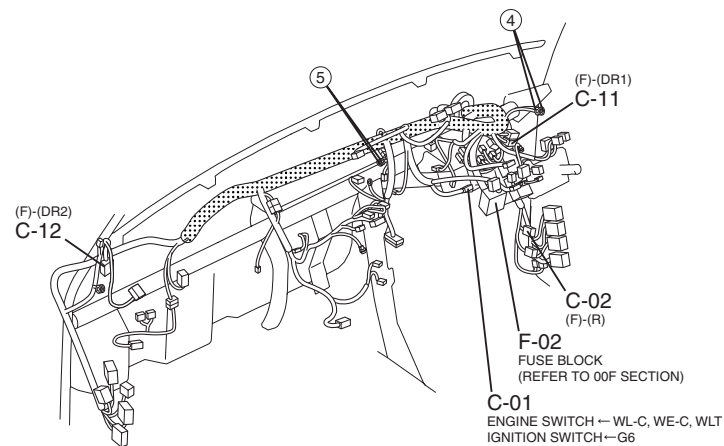
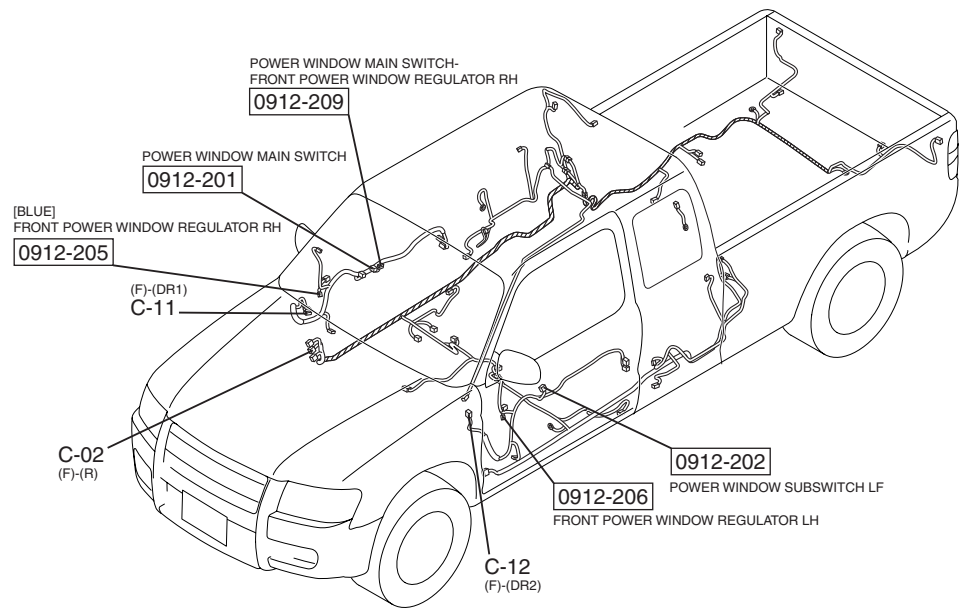
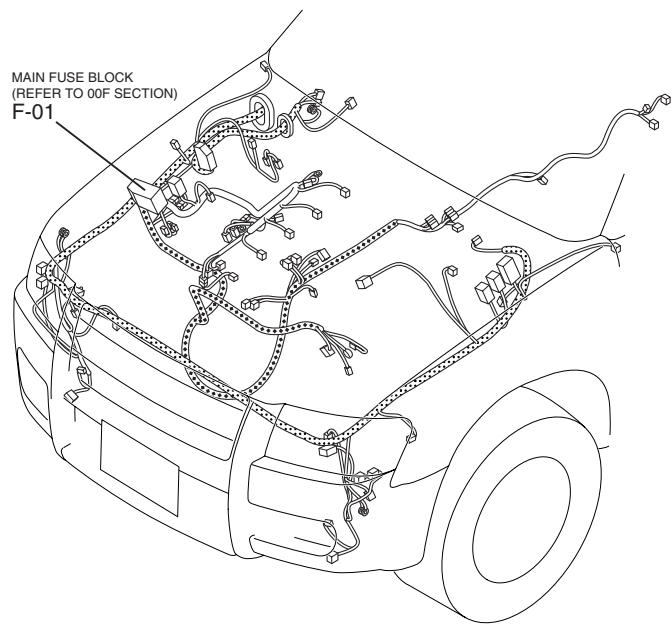
HARNESS SYMBOL:  (F)  (E)  (R)



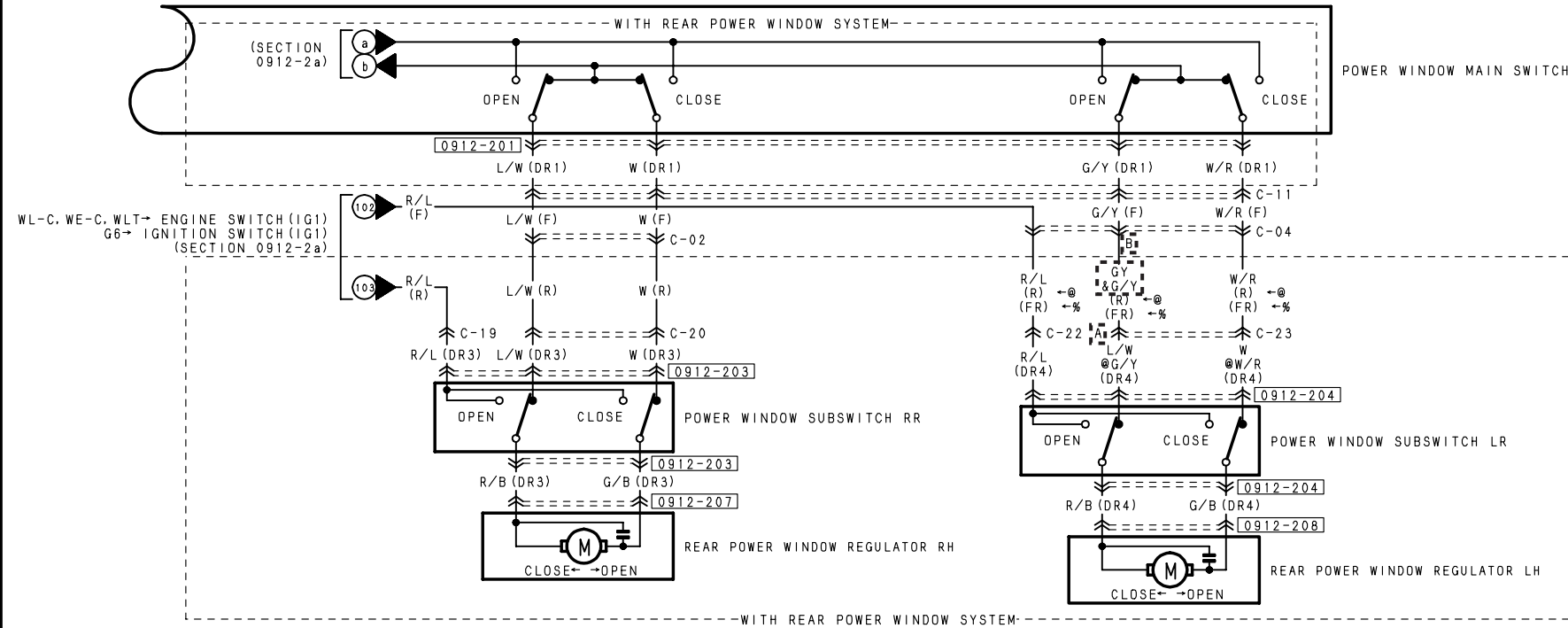


0912-201	POWER WINDOW MAIN SWITCH (DR1)	0912-202	POWER WINDOW SUBSWITCH LF (DR2)	0912-205	FRONT POWER WINDOW REGULATOR RH (DR1)
0912-206	FRONT POWER WINDOW REGULATOR LH (DR2)	0912-209		POWER WINDOW MAIN SWITCH-FRONT POWER WINDOW REGULATOR RH	
		(POWER WINDOW MAIN SWITCH)		(FRONT POWER WINDOW REGULATOR RH)	
		NOTE:SEEN FROM TERMINAL SIDE. TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.			

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

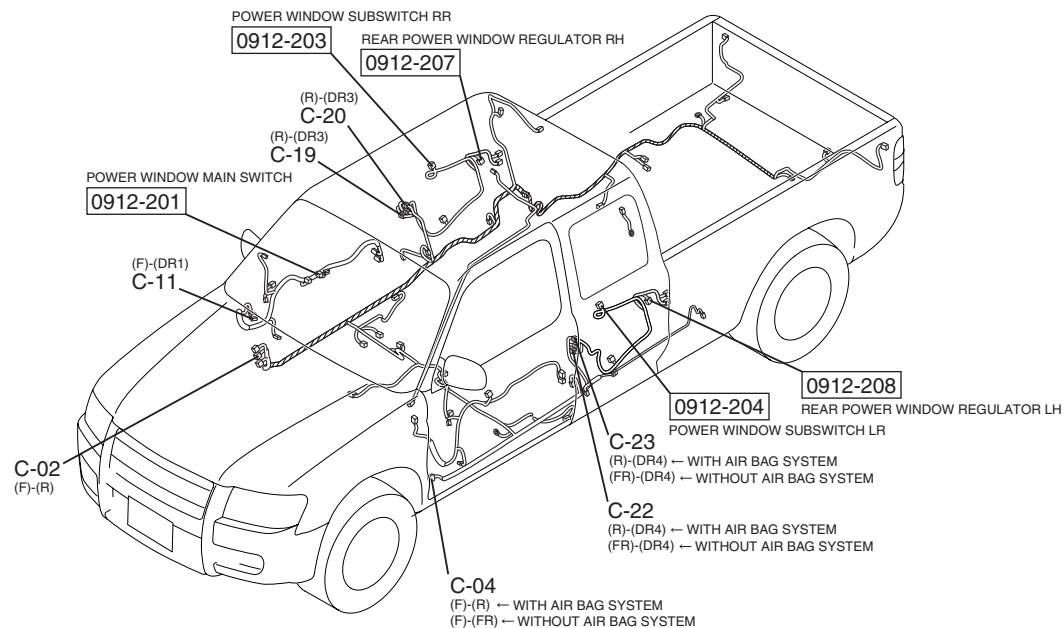
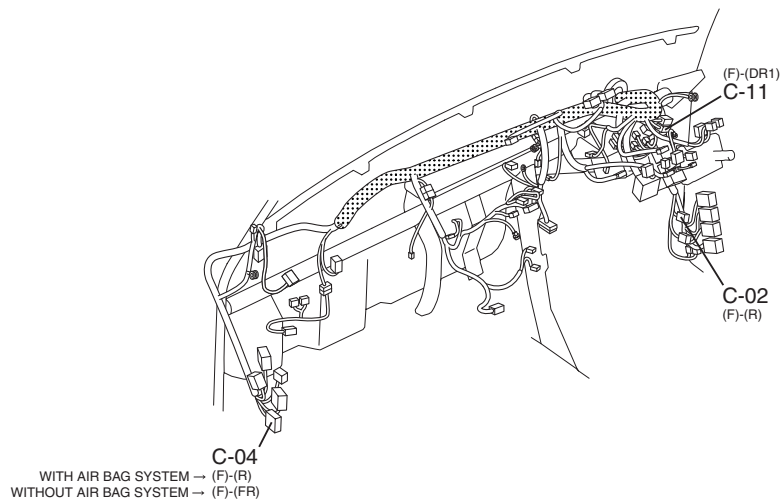


* ... VACANT
... WITH REAR POWER WINDOW SYSTEM
@ ... WITH AIR BAG SYSTEM
% ... WITHOUT AIR BAG SYSTEM
--- C-23 CONNECTOR A TERMINAL WIRE COLOR: GREEN/YELLOW ---



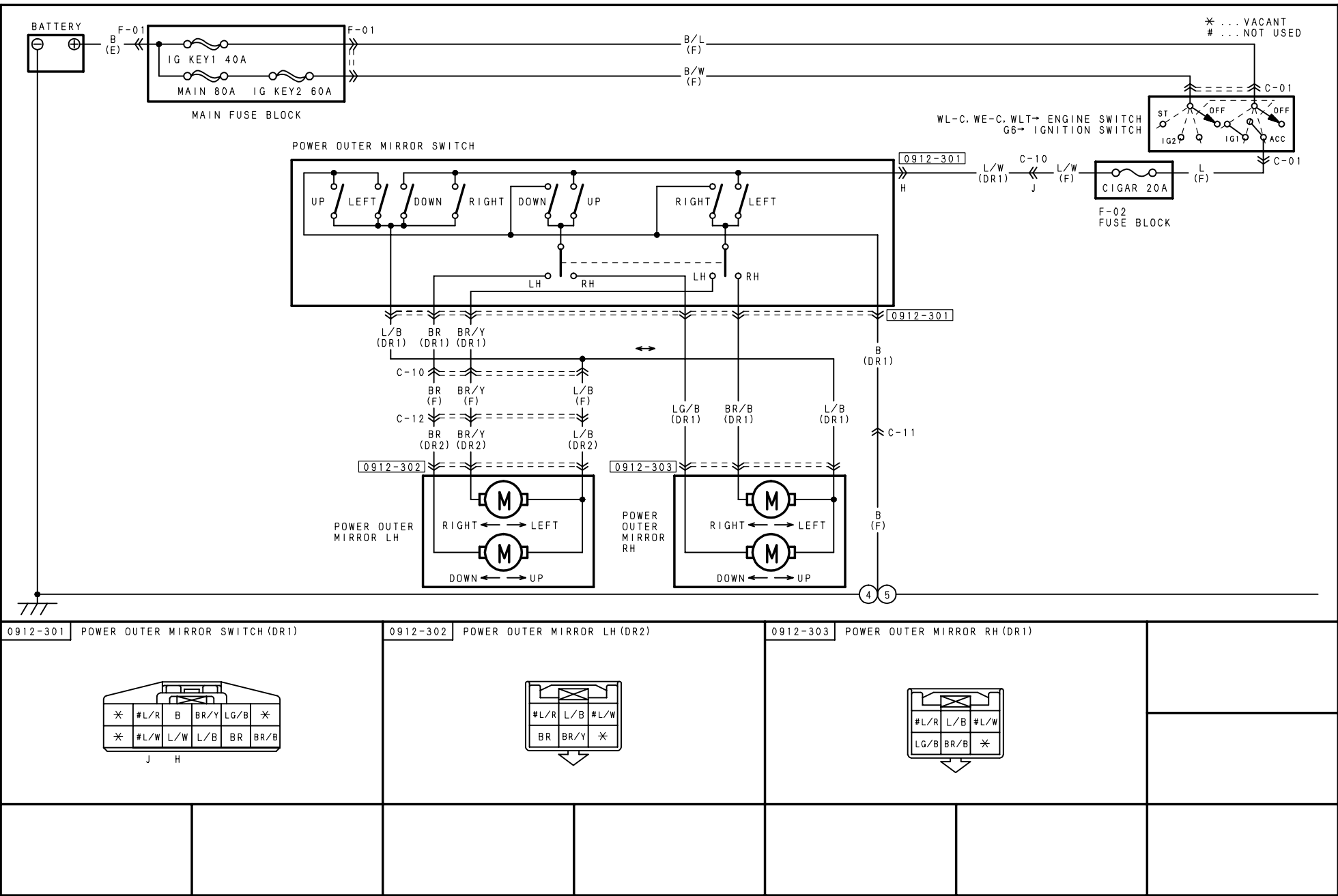
0912-201	POWER WINDOW MAIN SWITCH (DR1)	0912-203	POWER WINDOW SUBSWITCH RR (DR3)	0912-204	POWER WINDOW SUBSWITCH LR (DR4)	
0912-207	REAR POWER WINDOW REGULATOR RH (DR3)	0912-208	REAR POWER WINDOW REGULATOR LH (DR4)			

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

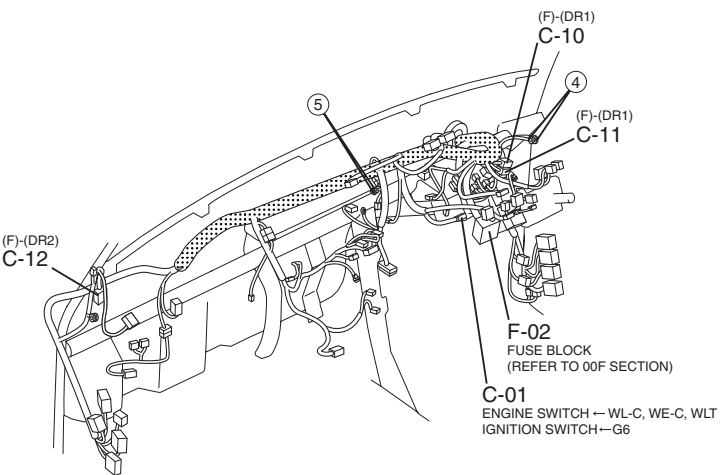
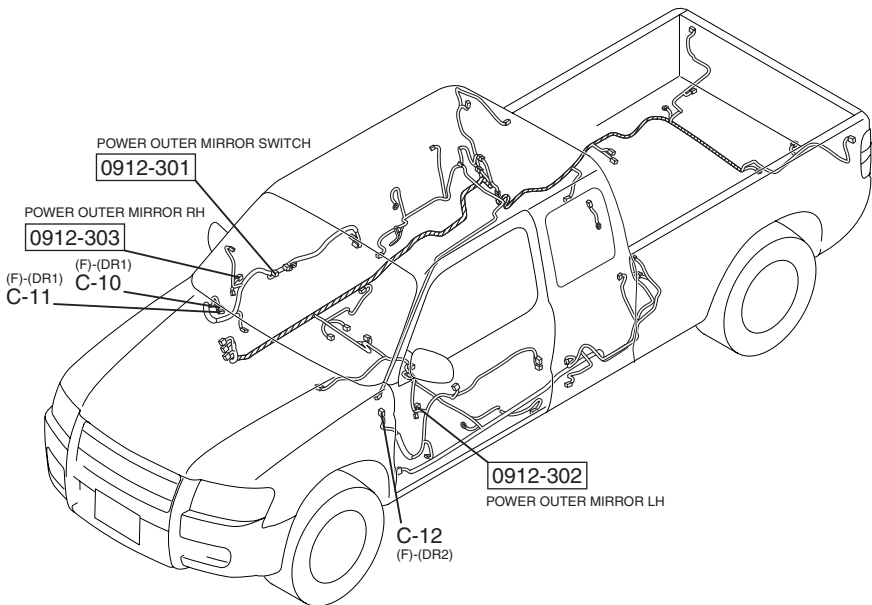
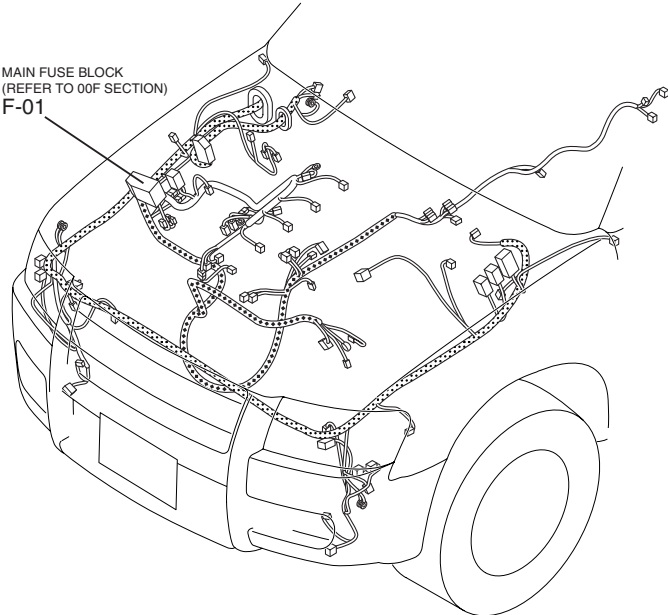


POWER OUTER MIRROR

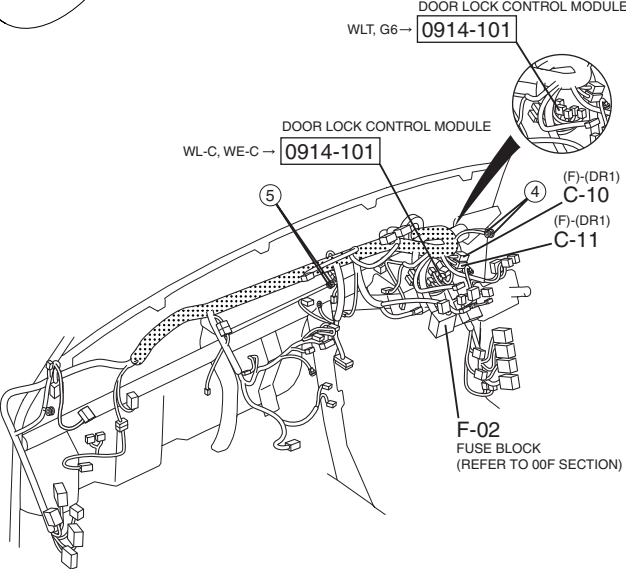
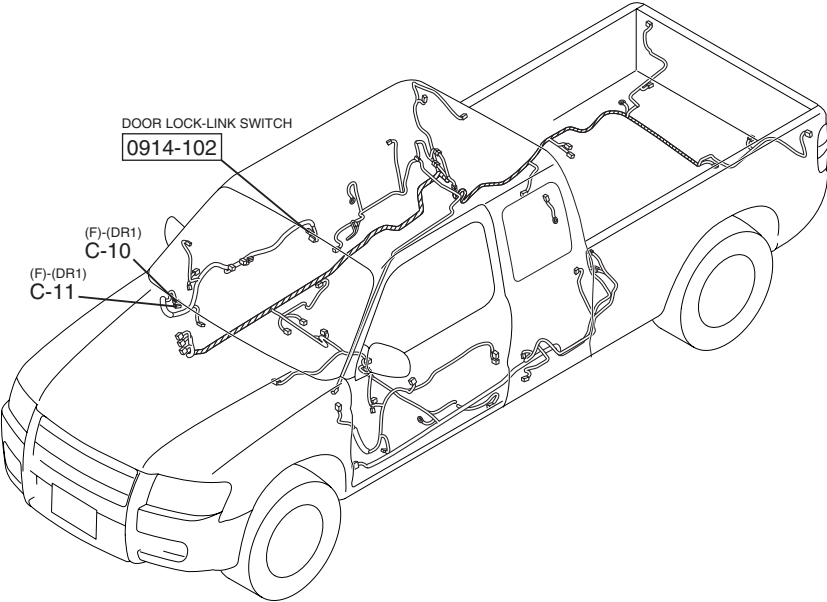
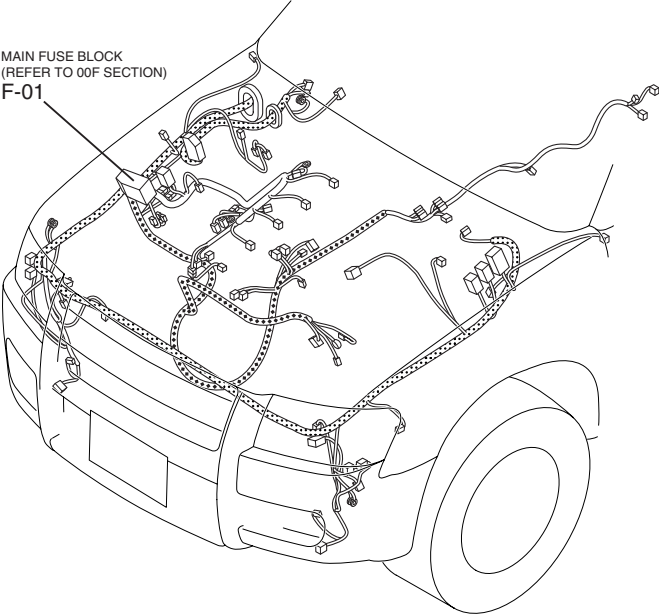
0912-3

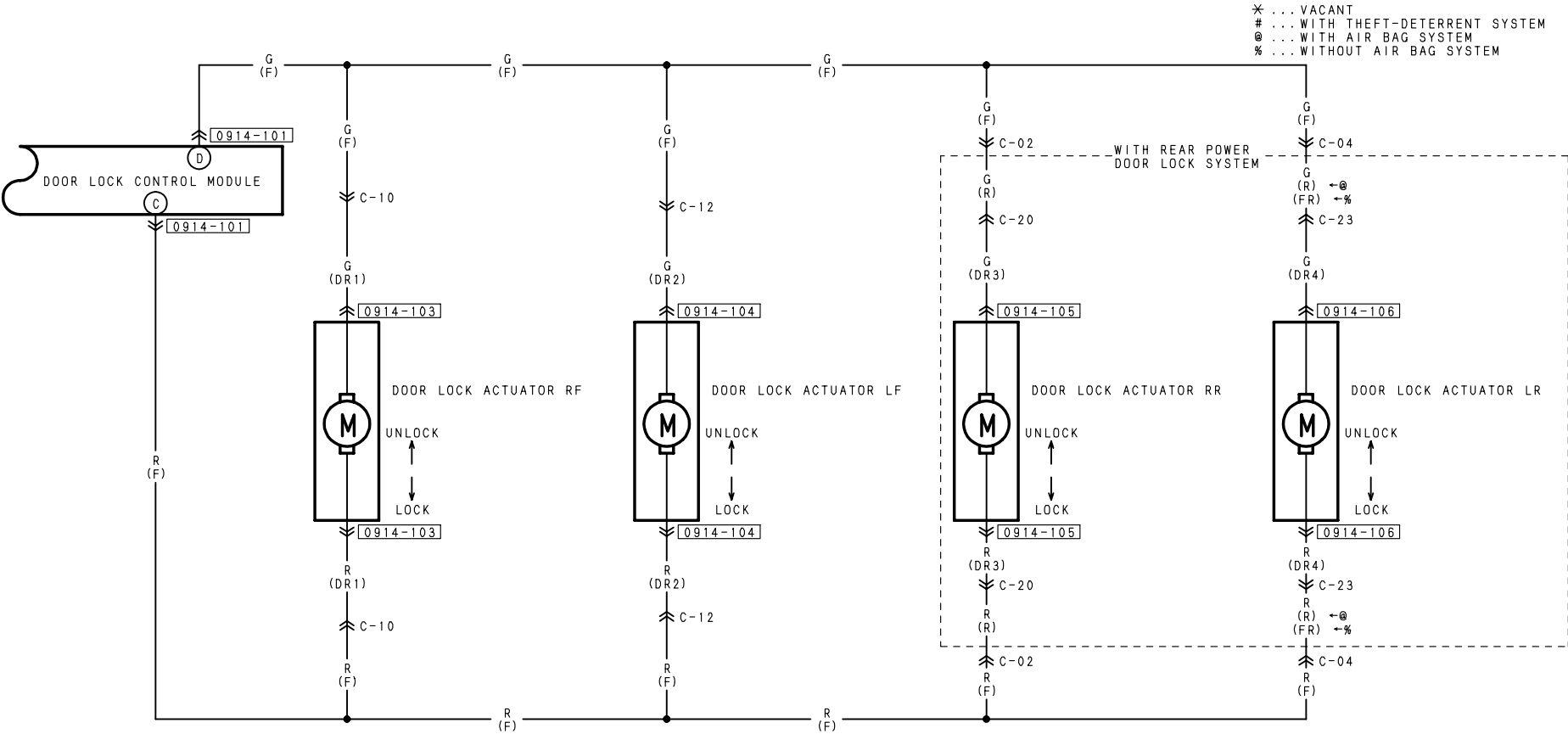


HARNESS SYMBOL:  (F)  (E)  (R)

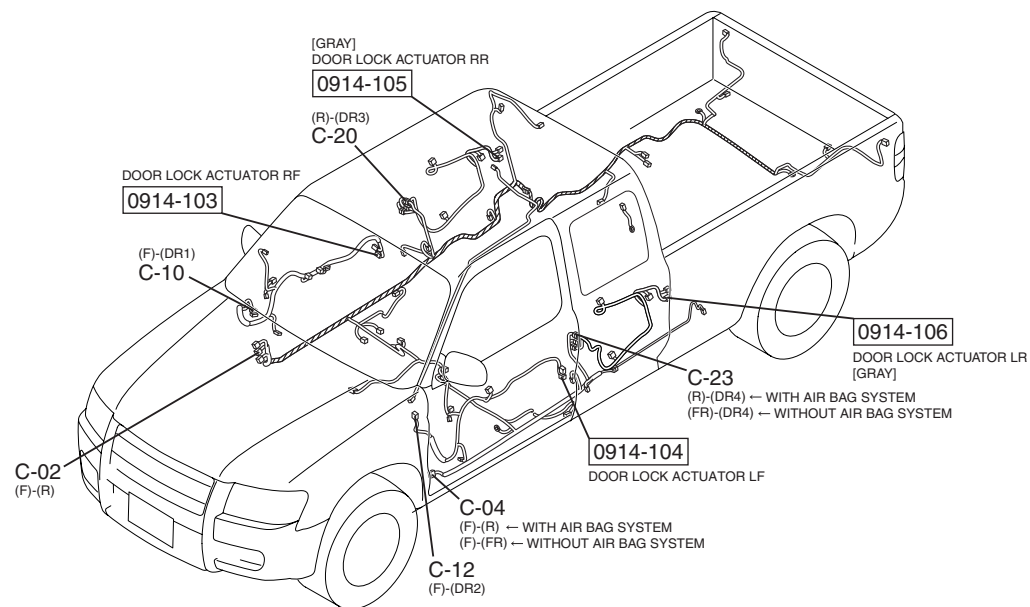


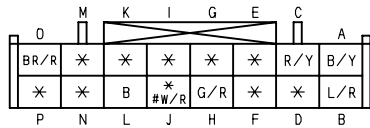
HARNESS SYMBOL:  (F)  (E)  (R)



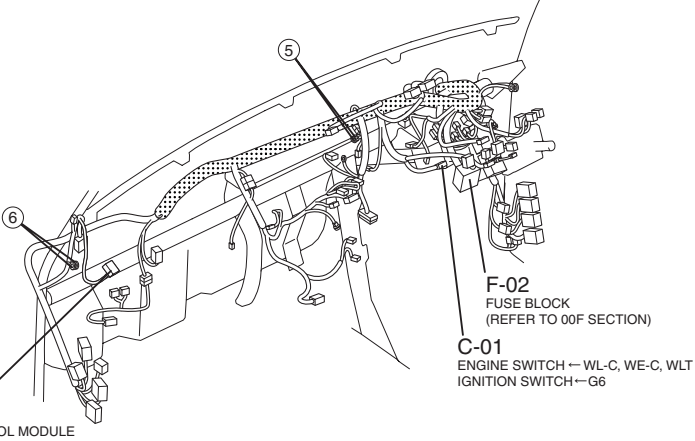
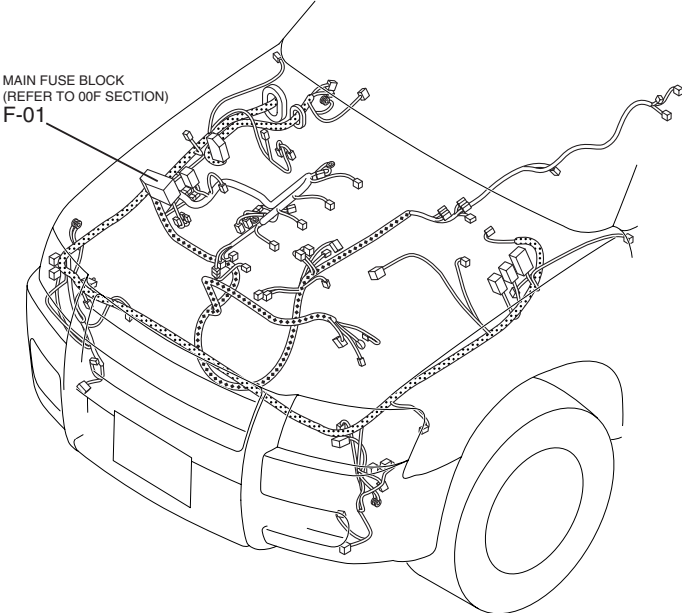


0914-101	DOOR LOCK CONTROL MODULE (F)	0914-103	DOOR LOCK ACTUATOR RF (DR1)	0914-104	DOOR LOCK ACTUATOR LF (DR2)																										
<table><tr><td>M</td><td>K</td><td>I</td><td>C</td><td>A</td></tr><tr><td>* #B</td><td>G/R</td><td>*</td><td></td><td>R</td><td>W/G</td></tr><tr><td>B</td><td>G/O</td><td>*</td><td>*</td><td>BR/R</td><td>G</td><td>*</td></tr><tr><td>N</td><td>L</td><td>J</td><td>H</td><td>F</td><td>D</td><td>B</td></tr></table>		M	K	I	C	A	* #B	G/R	*		R	W/G	B	G/O	*	*	BR/R	G	*	N	L	J	H	F	D	B					
M	K	I	C	A																											
* #B	G/R	*		R	W/G																										
B	G/O	*	*	BR/R	G	*																									
N	L	J	H	F	D	B																									
		0914-105	DOOR LOCK ACTUATOR RR (DR3)	0914-106	DOOR LOCK ACTUATOR LR (DR4)																										

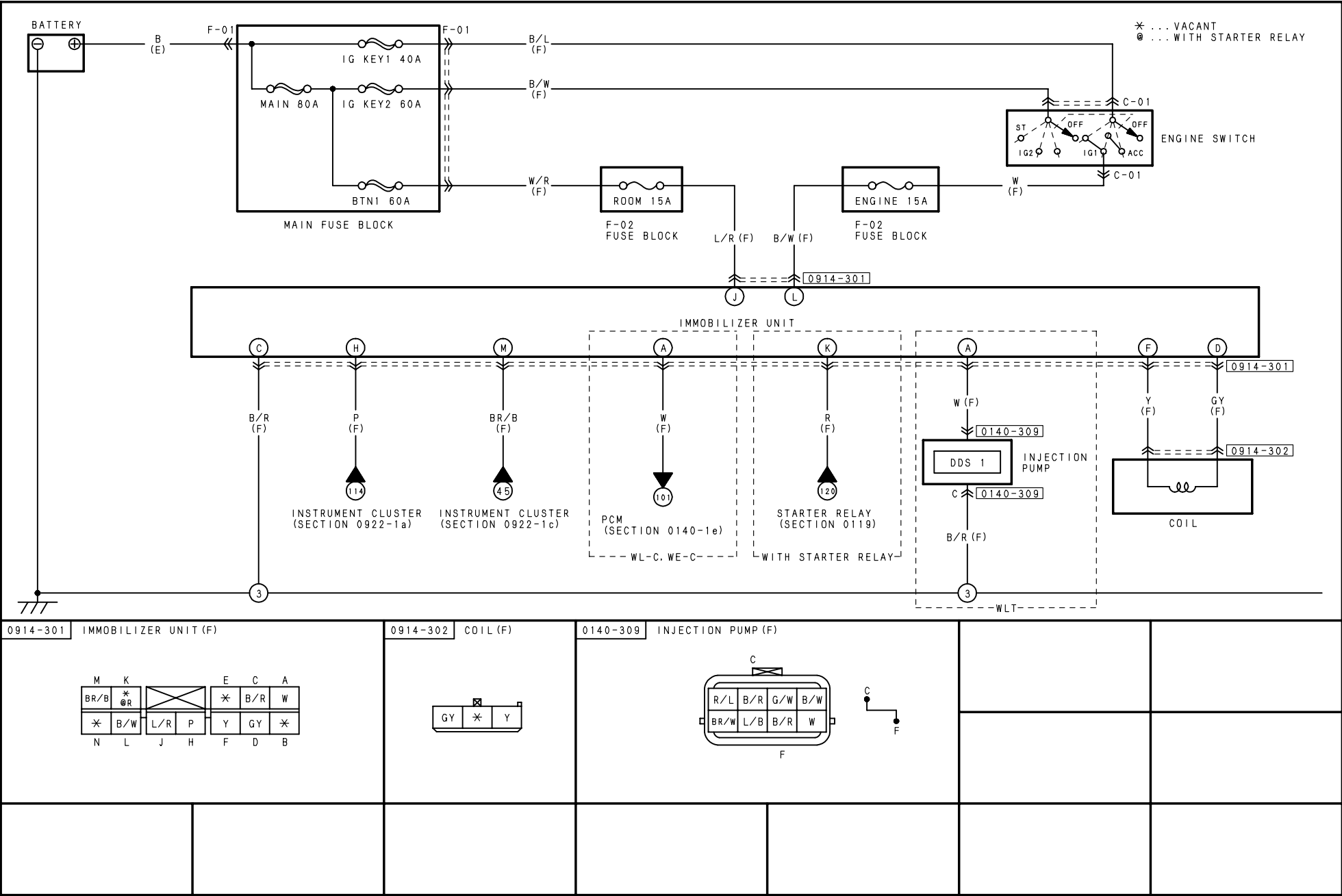




HARNESS SYMBOL:  (F)  (E)  (R)



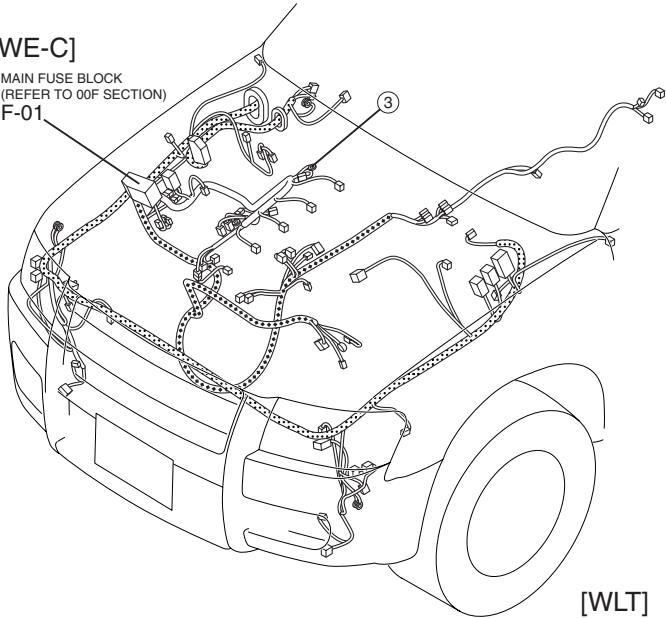
0914-201
KEYLESS CONTROL MODULE



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

[WL-C, WE-C]

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

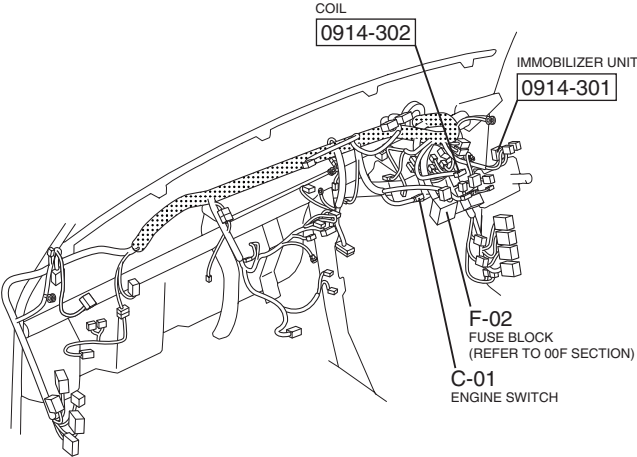


COIL
0914-302

IMMOBILIZER UNIT
0914-301

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

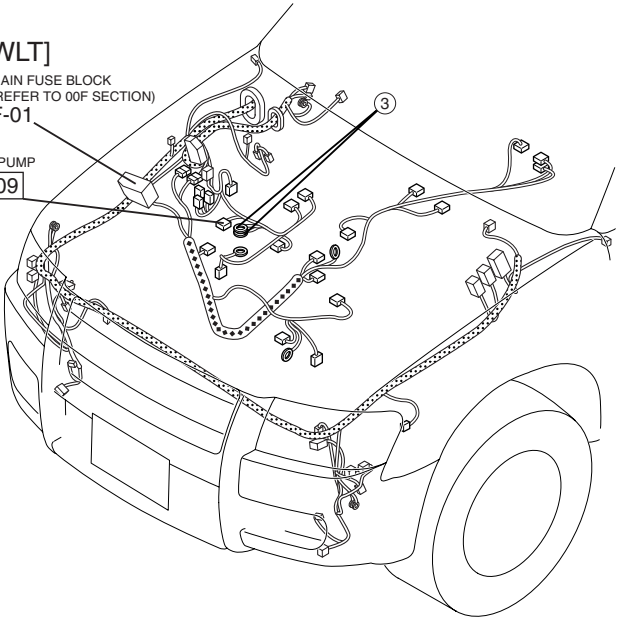
C-01
ENGINE SWITCH



[WLT]

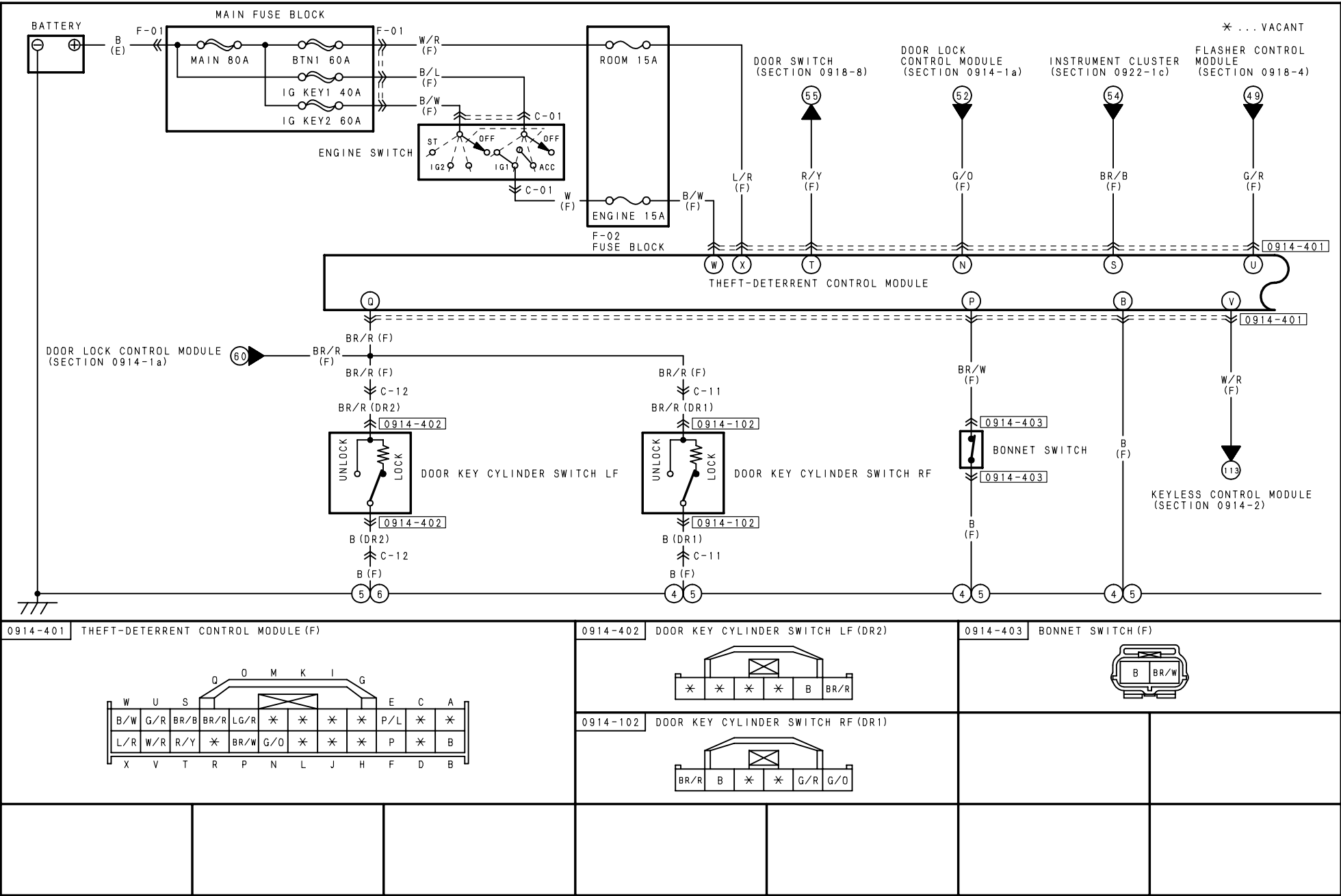
MAIN FUSE BLOCK
(REFER TO 00F SECTION)
F-01

[GRAY]
INJECTION PUMP
0140-309

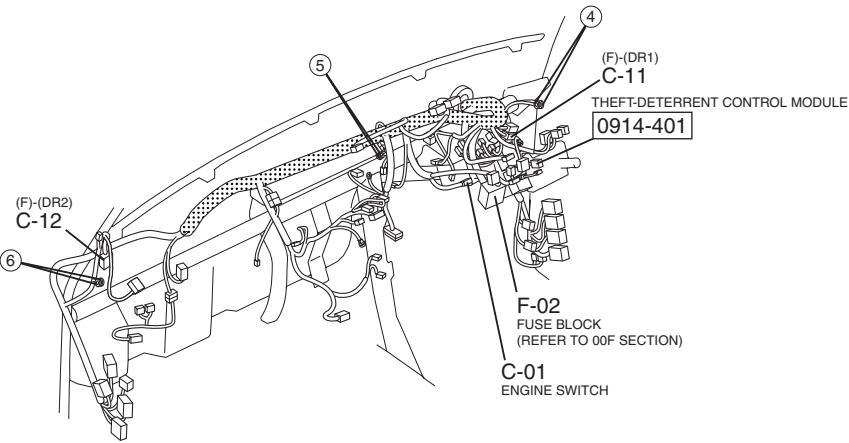
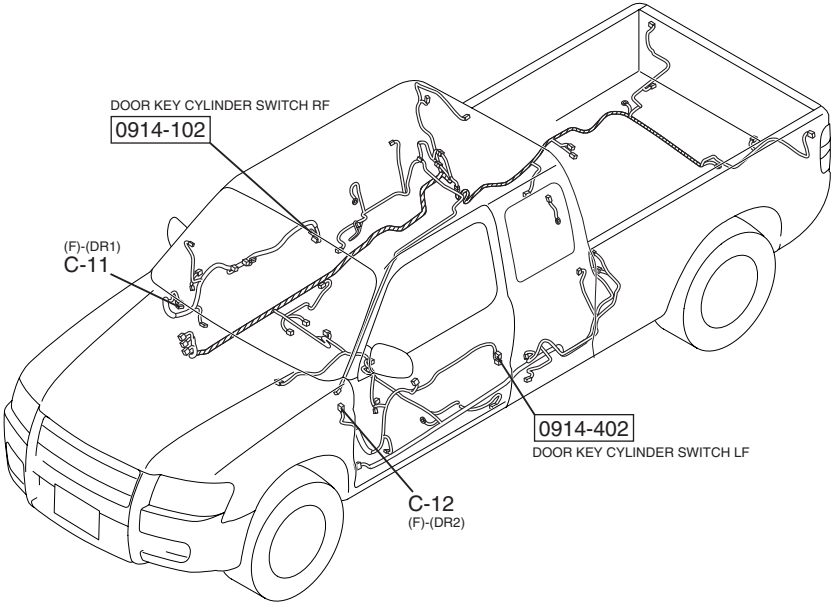
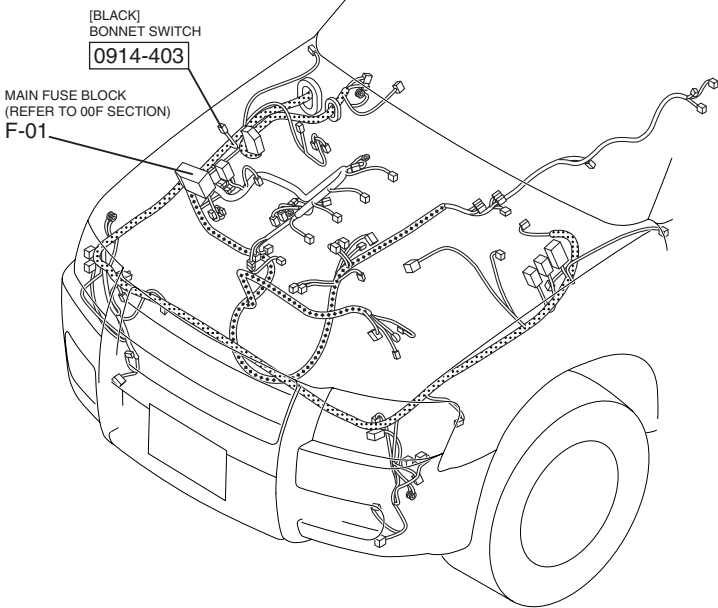


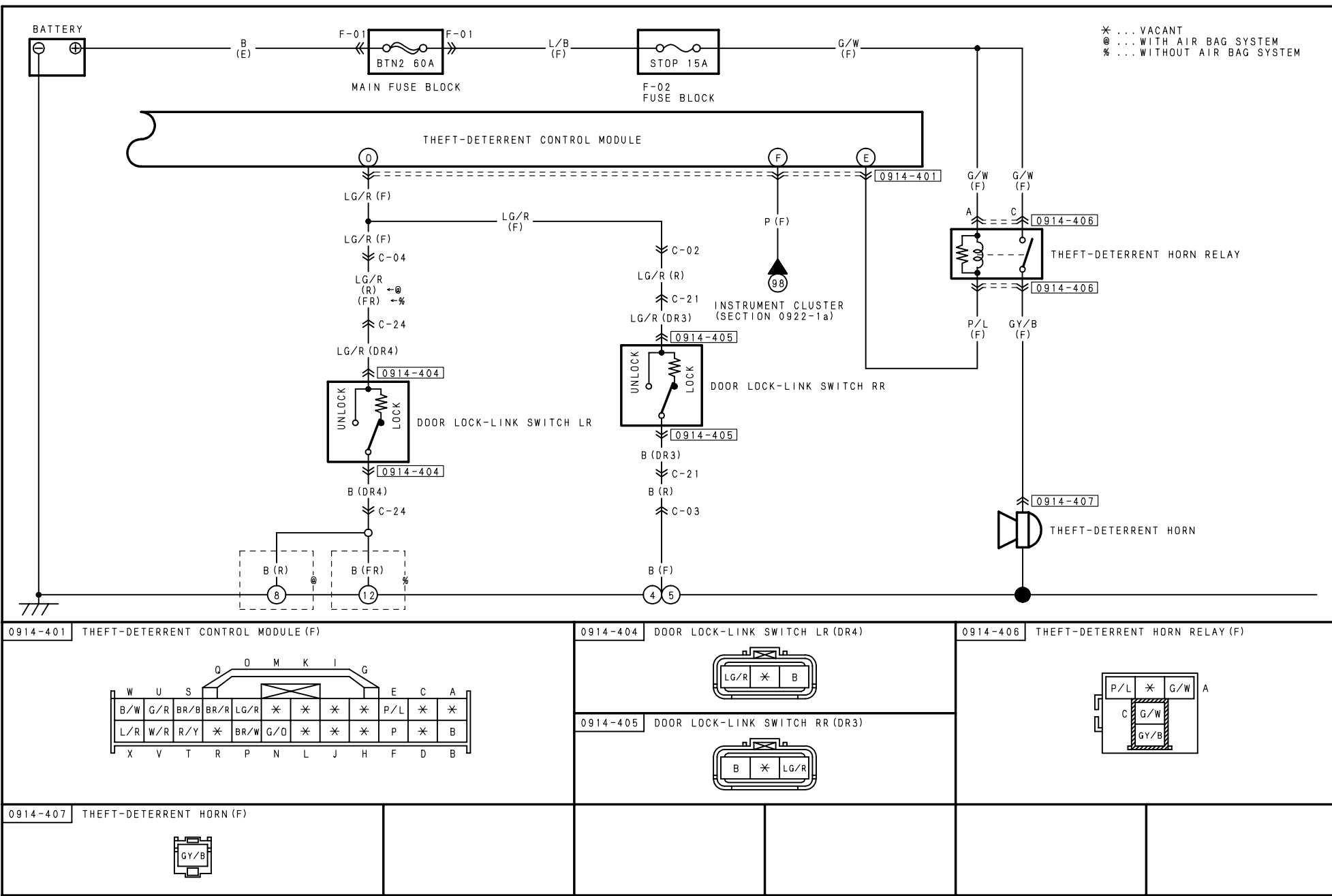
THEFT-DETERRENT SYSTEM

0914-4a

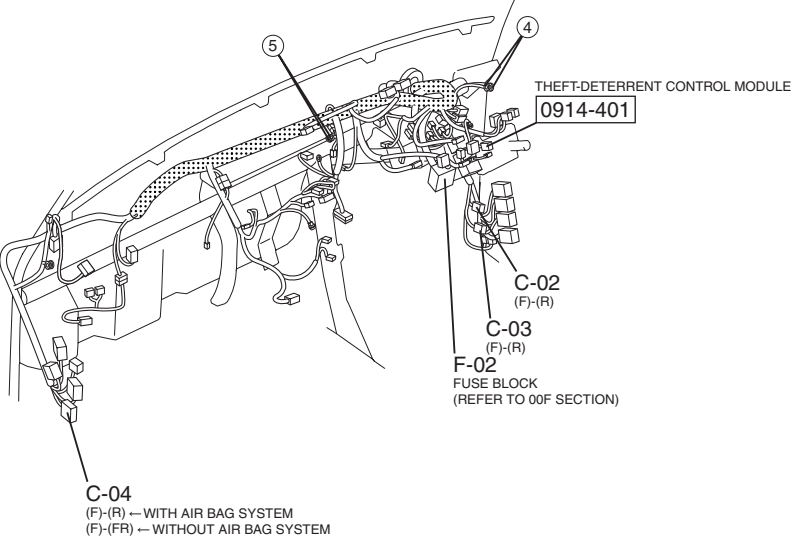
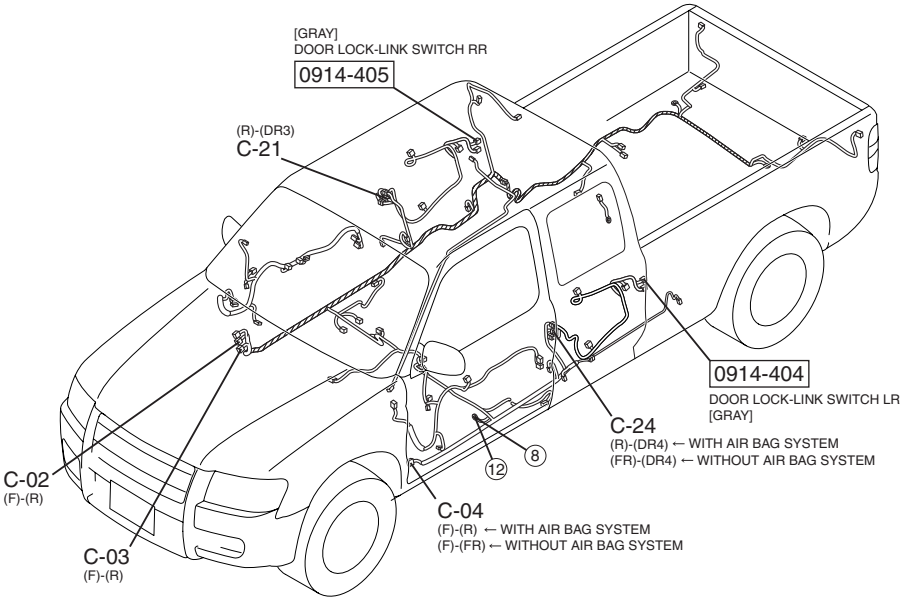
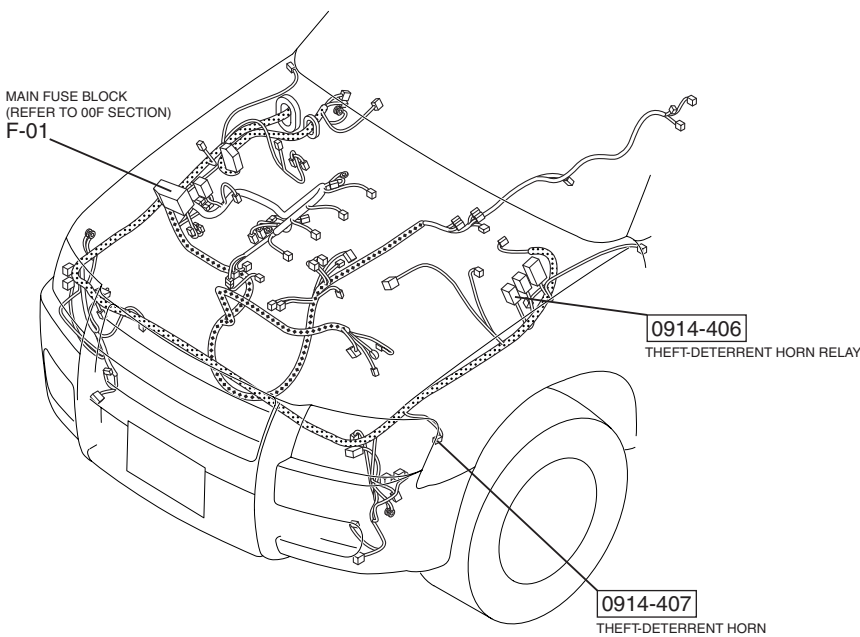


HARNESS SYMBOL:  (F)  (E)  (R)



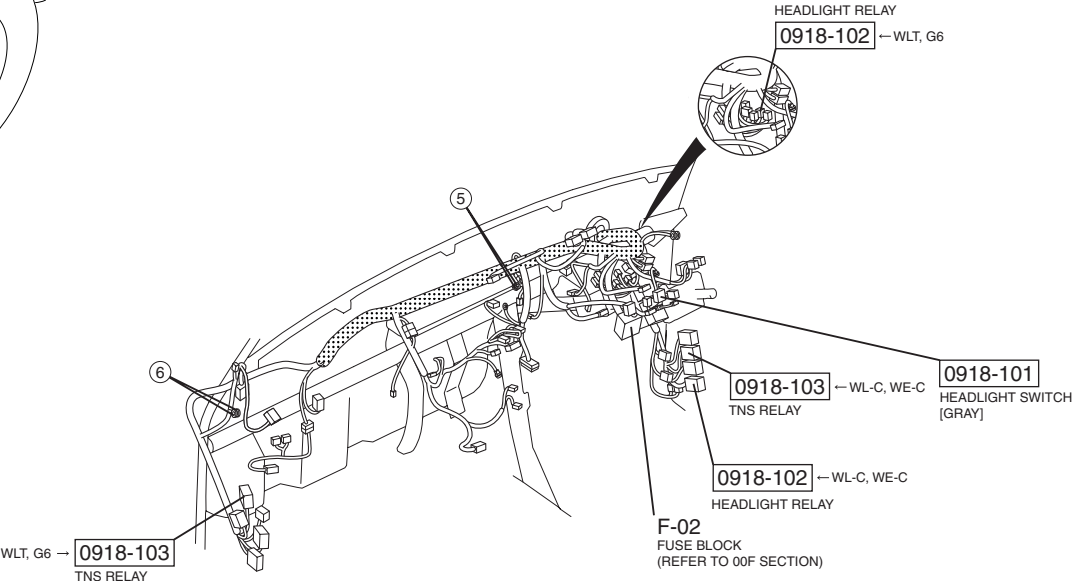
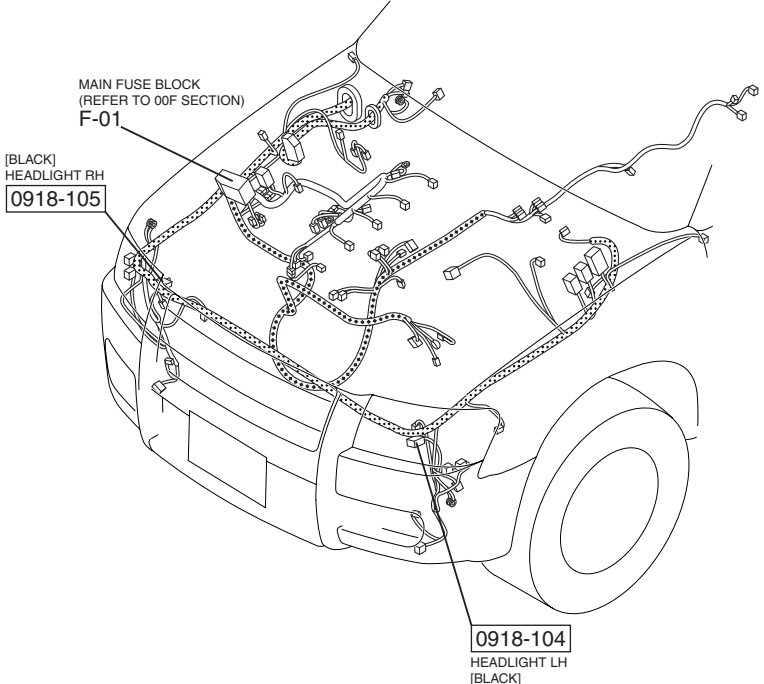


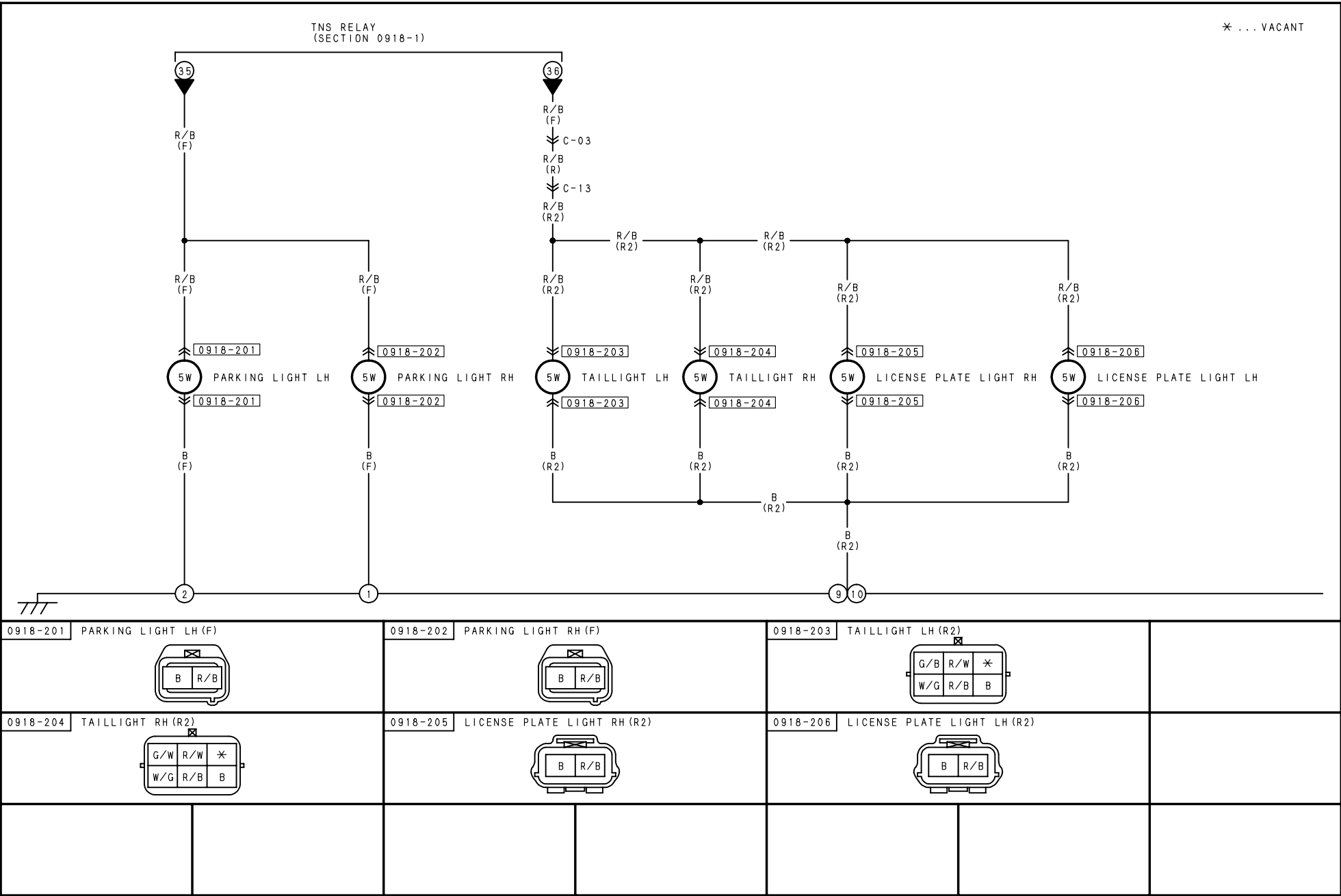
HARNESS SYMBOL:  (F)  (E)  (R)





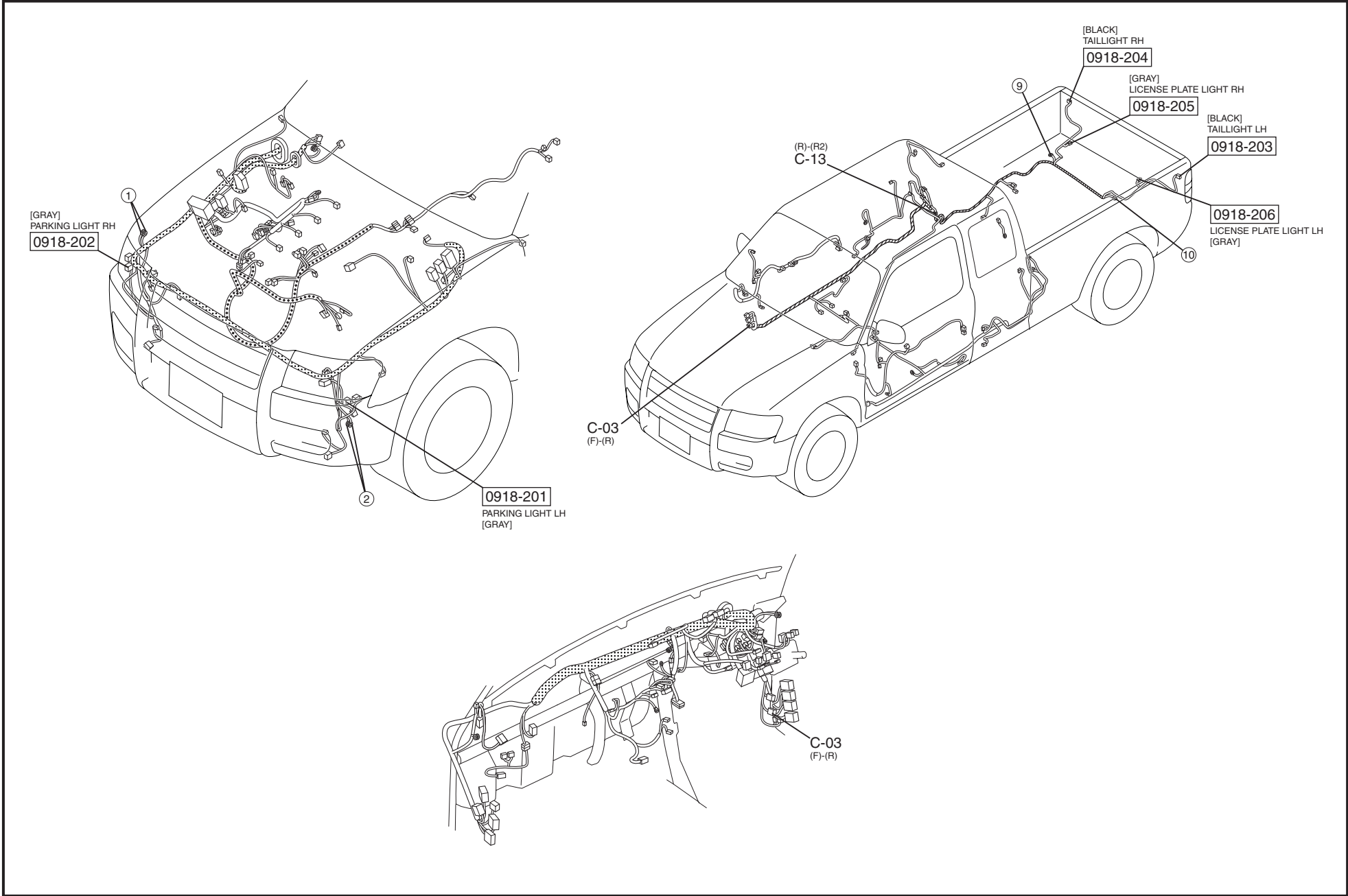
HARNESS SYMBOL:  (F)  (E)  (R)





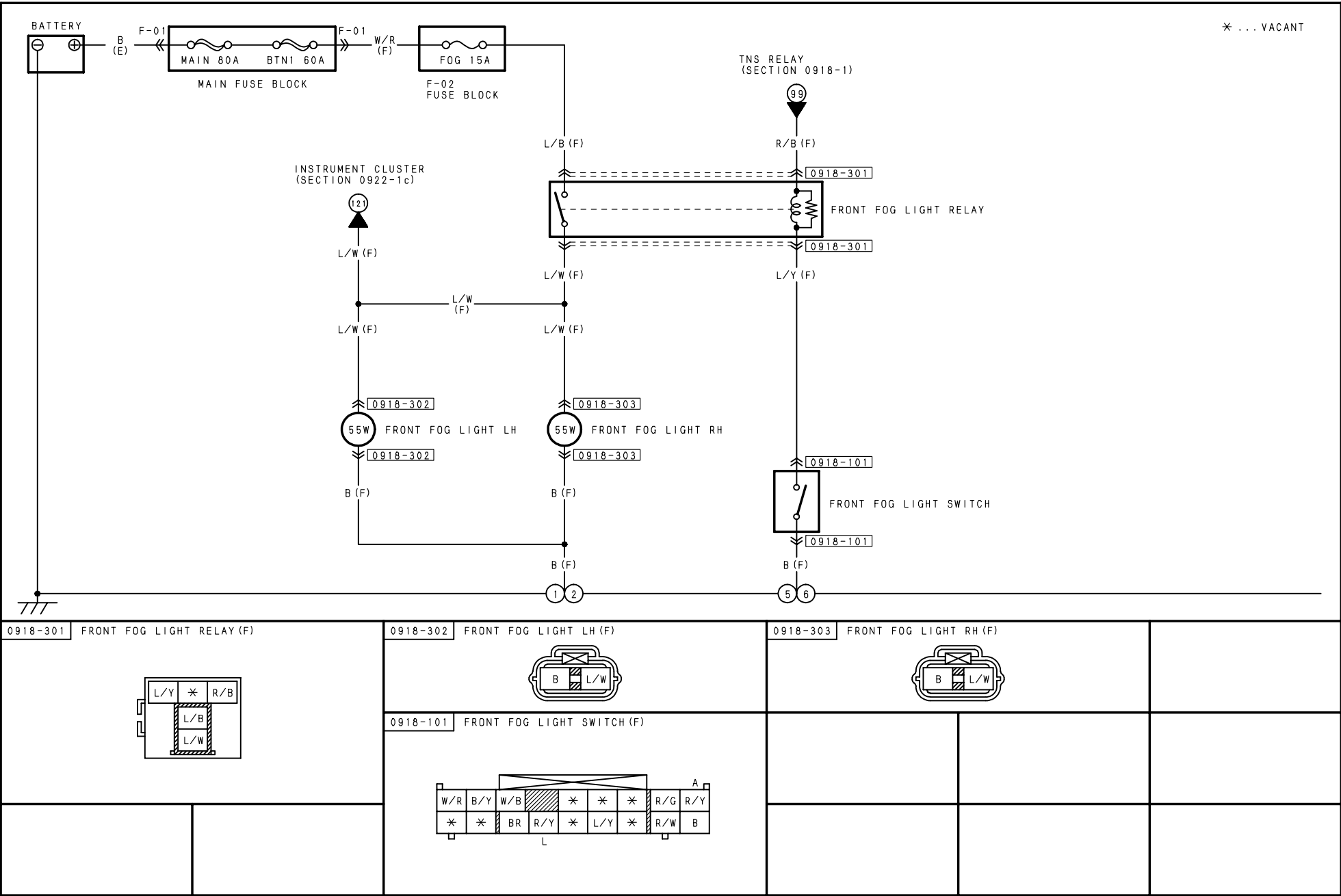
* ... VACANT

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

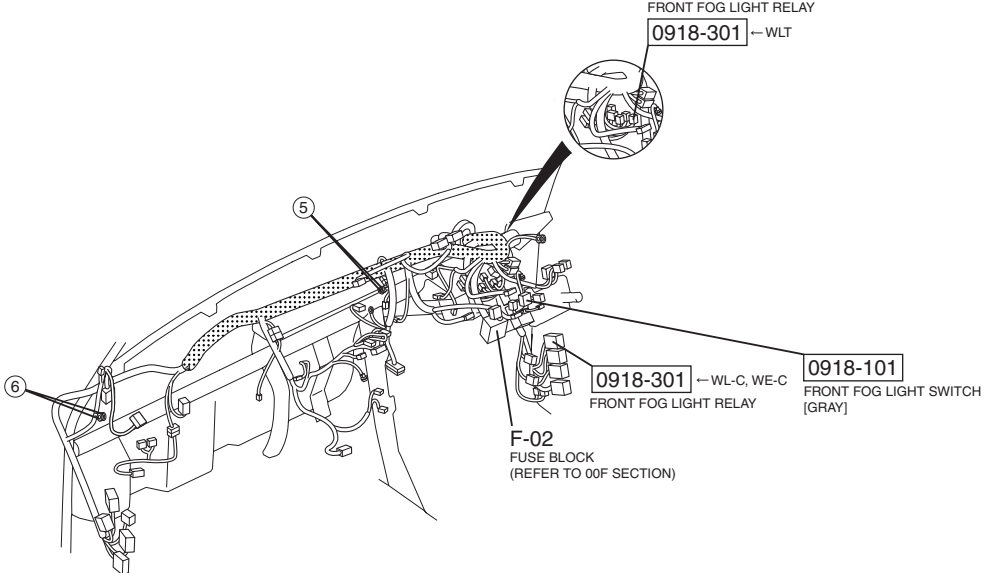
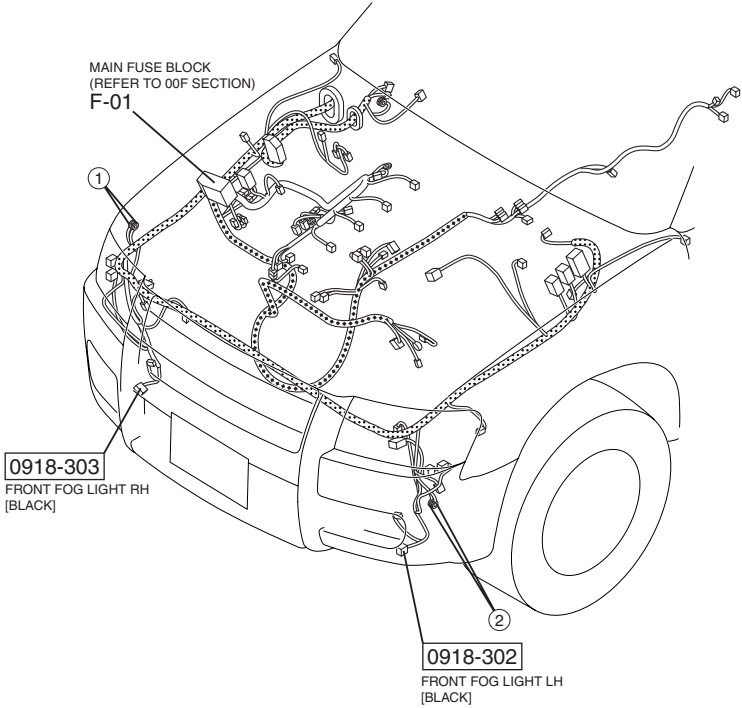


FRONT FOG LIGHT

0918-3

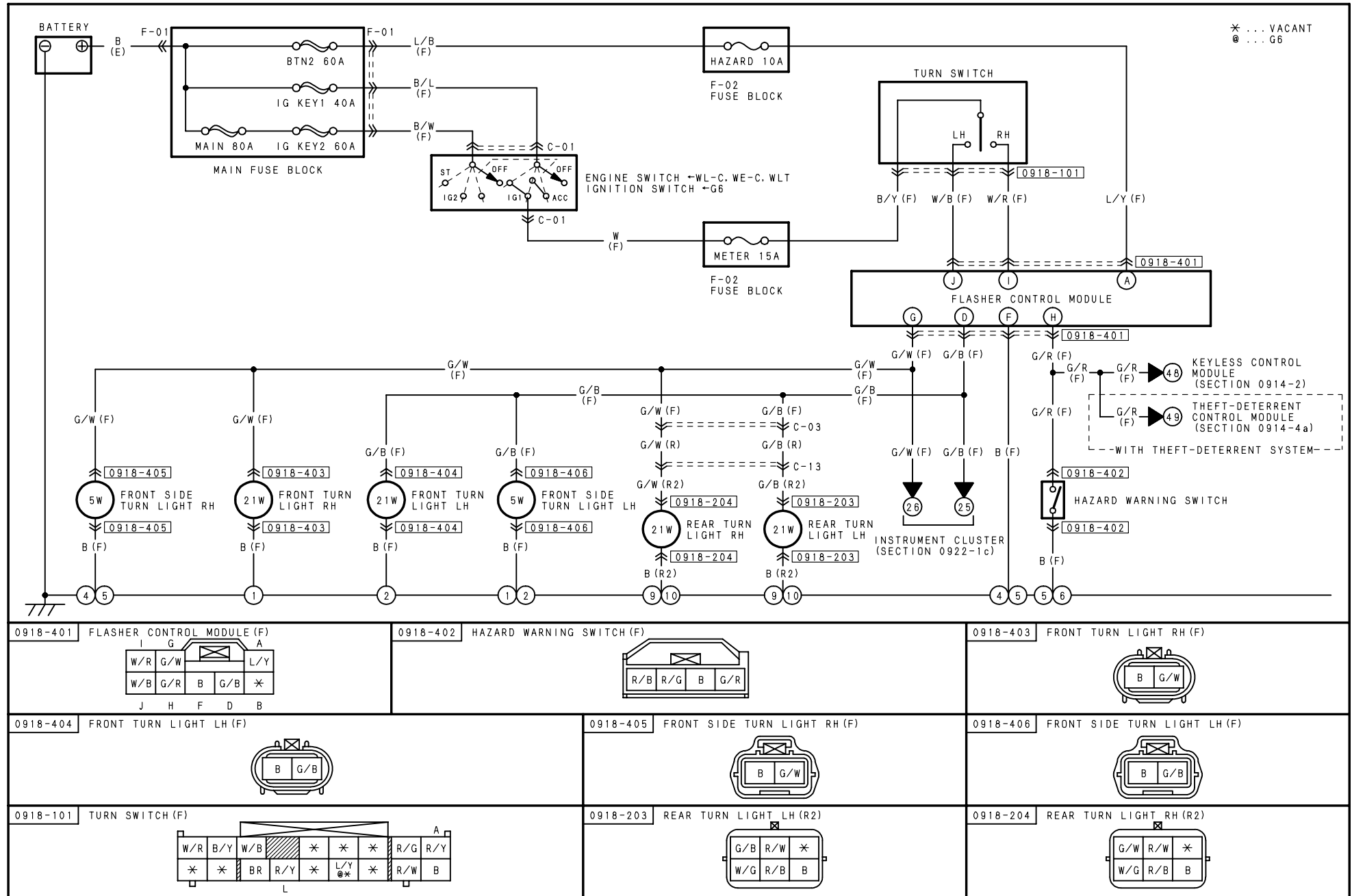


HARNESS SYMBOL:  (F)  (E)  (R)

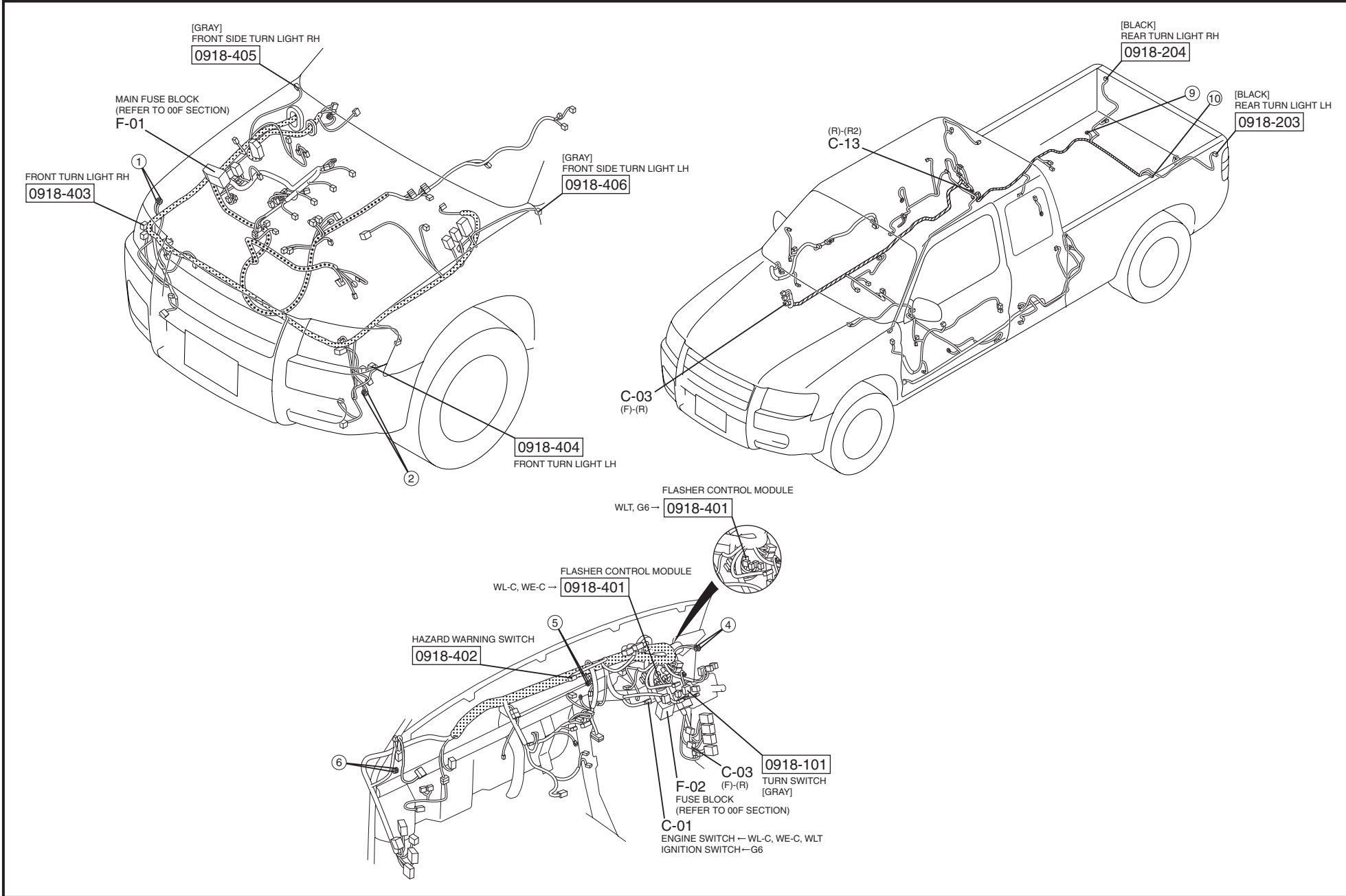


TURN AND HAZARD WARNING LIGHT

0918-4

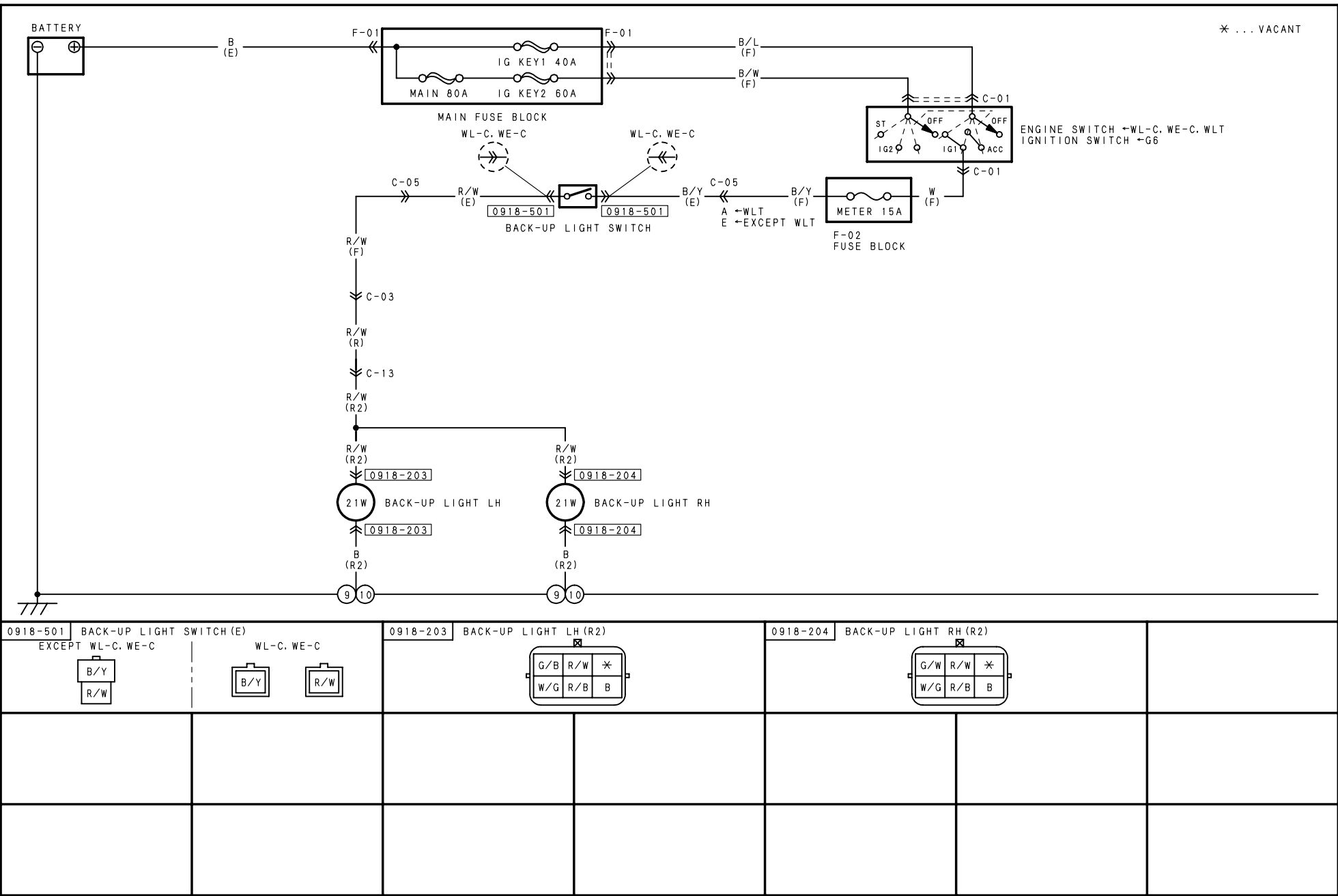


HARNESS SYMBOL:  (F)  (E)  (R)

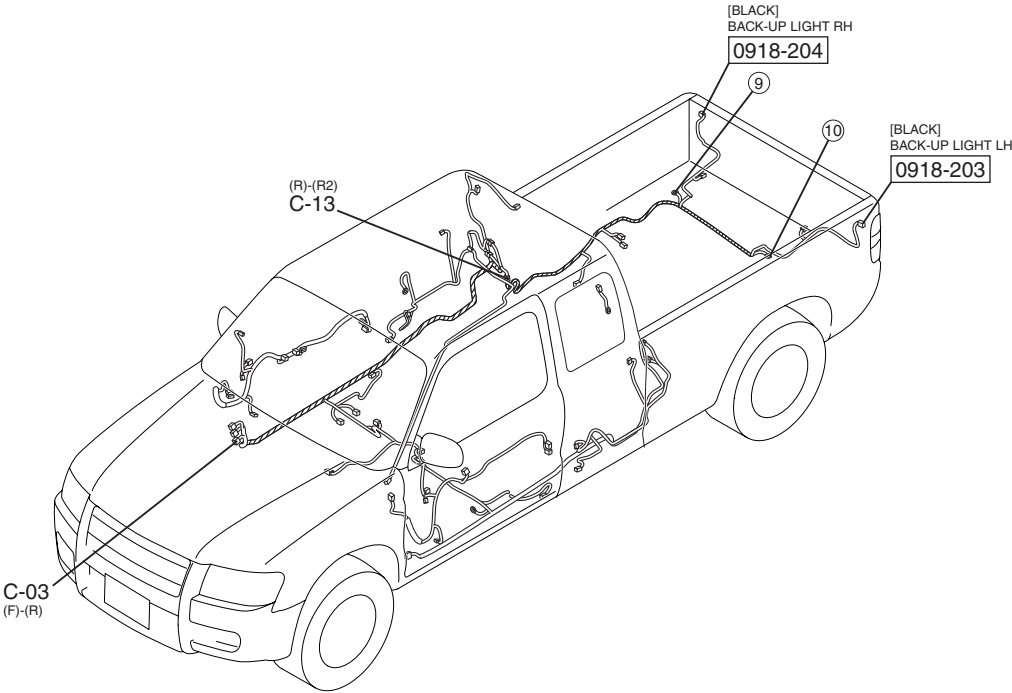
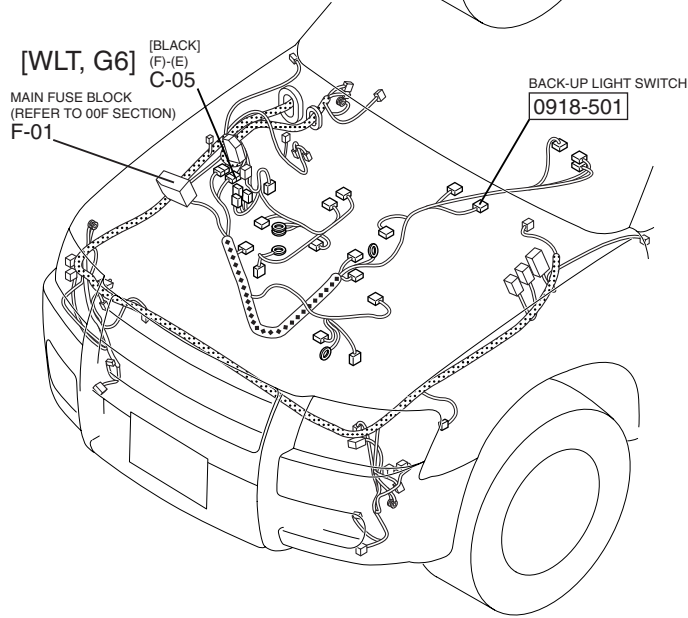
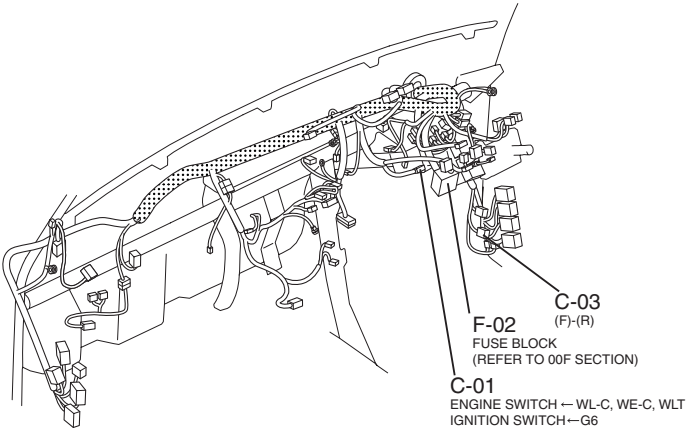
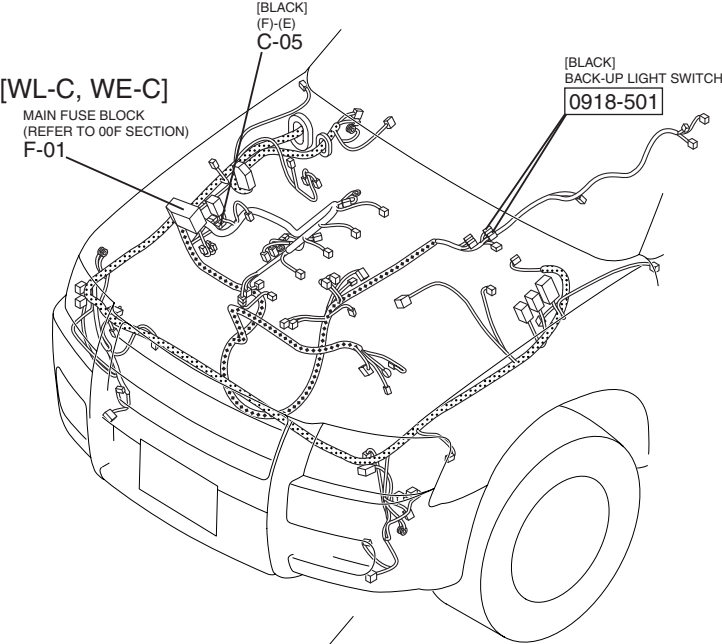


BACK-UP LIGHT

0918-5

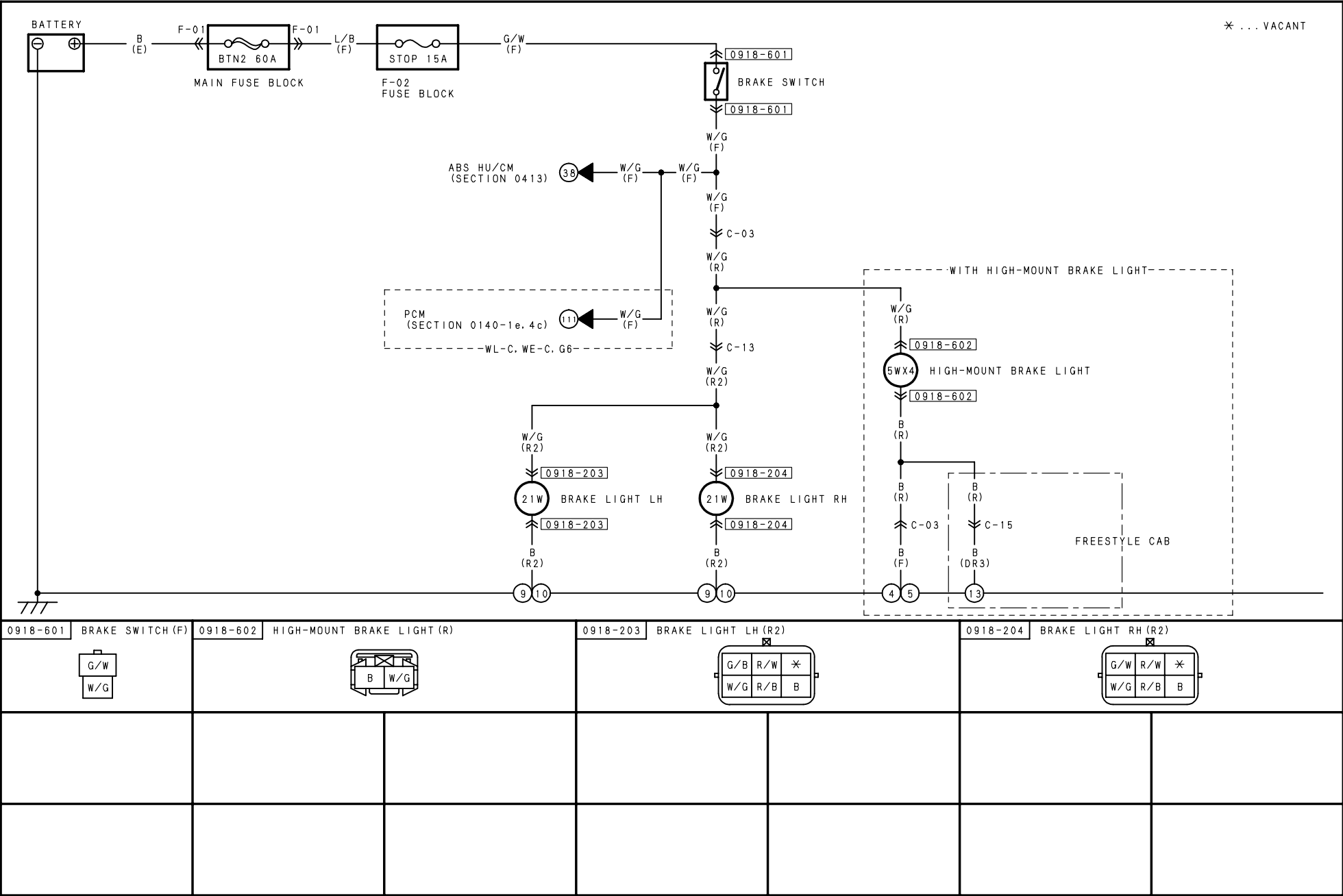


HARNESS SYMBOL:  (F)  (E)  (R)

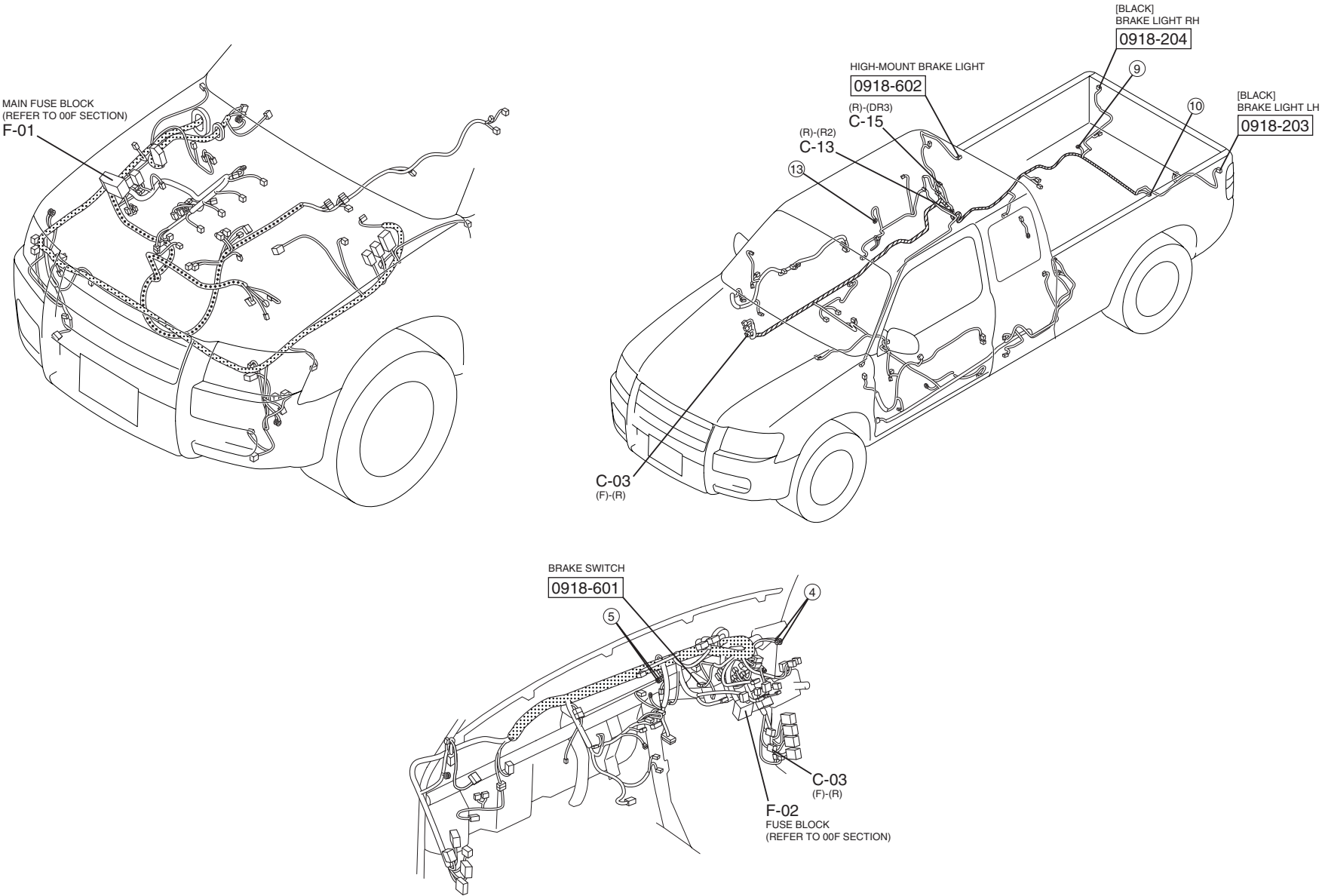


BRAKE LIGHT / HIGH-MOUNT BRAKE LIGHT

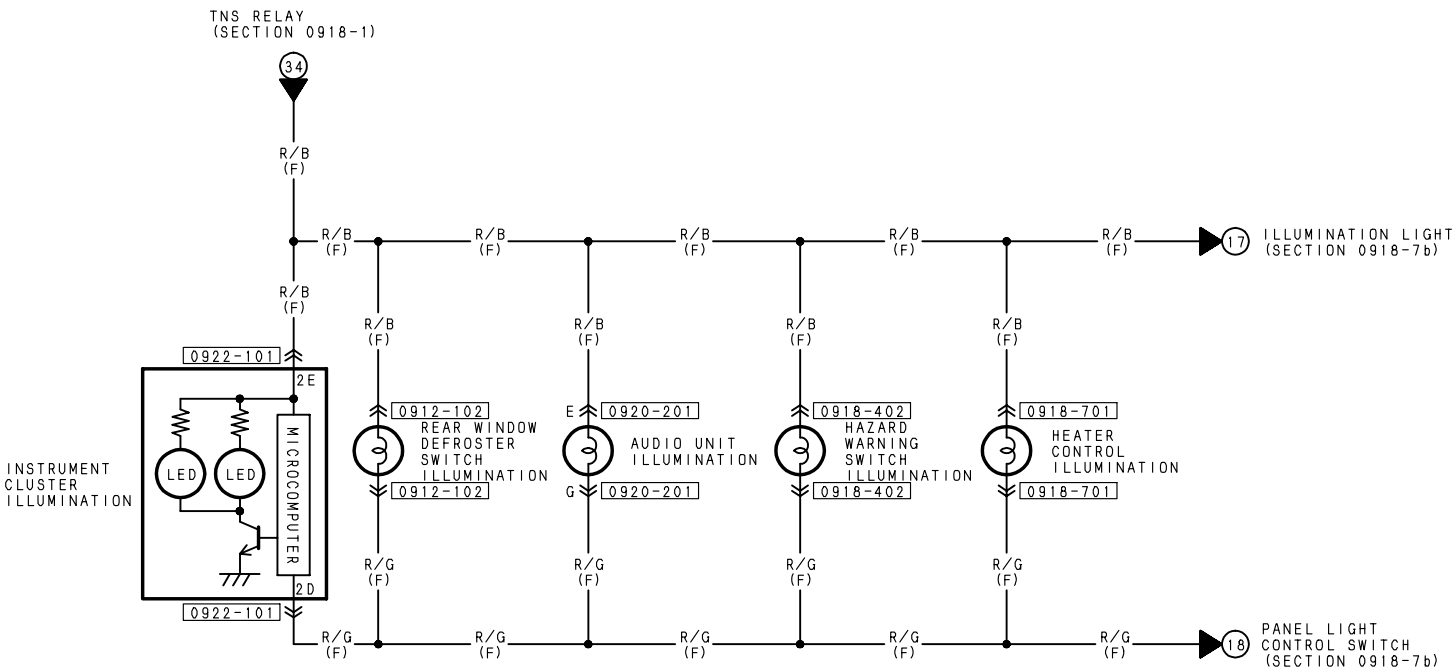
0918-6



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

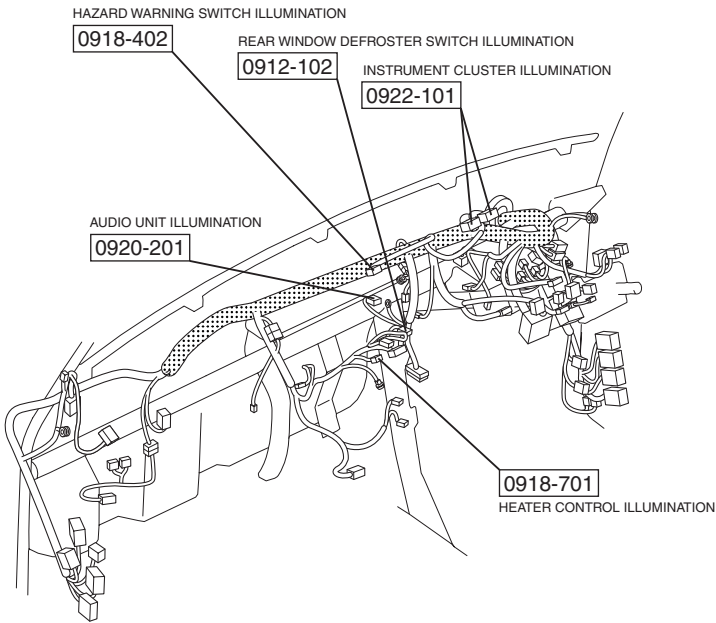


* ... VACANT
@ ... G6

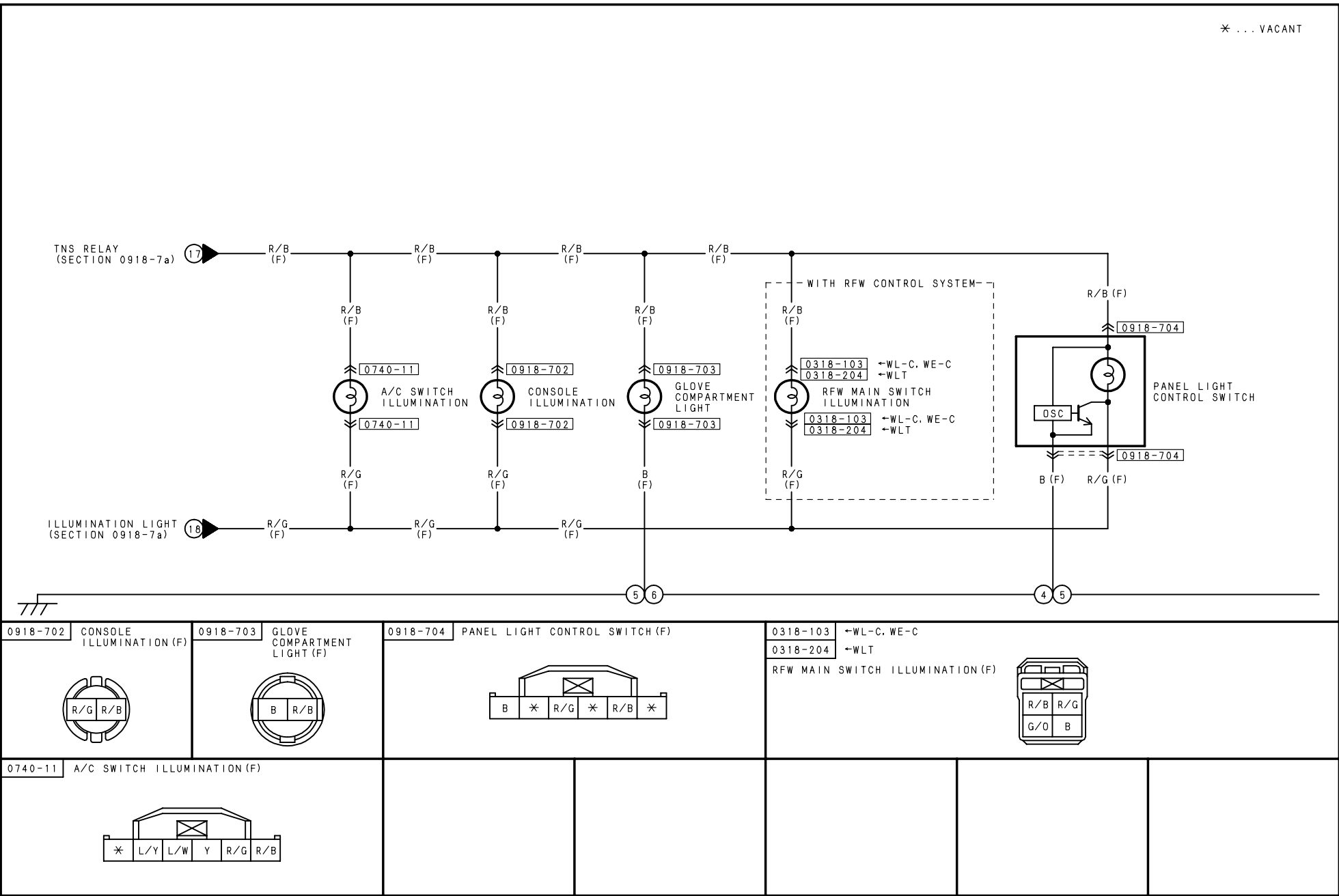





0918-701	HEATER CONTROL ILLUMINATION (F)	0912-102	REAR WINDOW DEFROSTER SWITCH ILLUMINATION (F)	0918-402	HAZARD WARNING SWITCH ILLUMINATION (F)	
0920-201	AUDIO UNIT ILLUMINATION (F)	0922-101				INSTRUMENT CLUSTER ILLUMINATION (F)

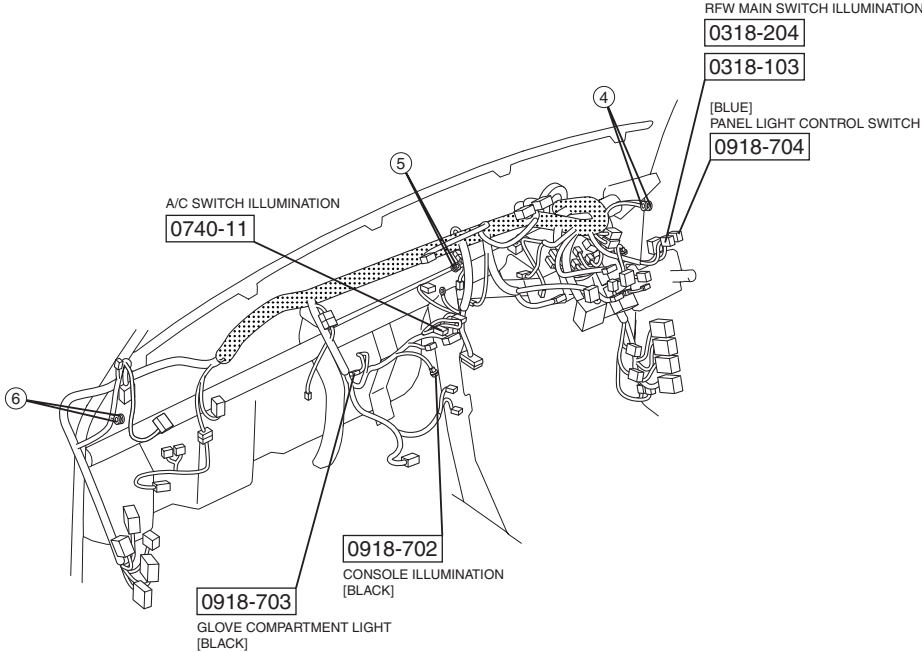
HARNESS SYMBOL:  (F)  (E)  (R)



* ... VACANT

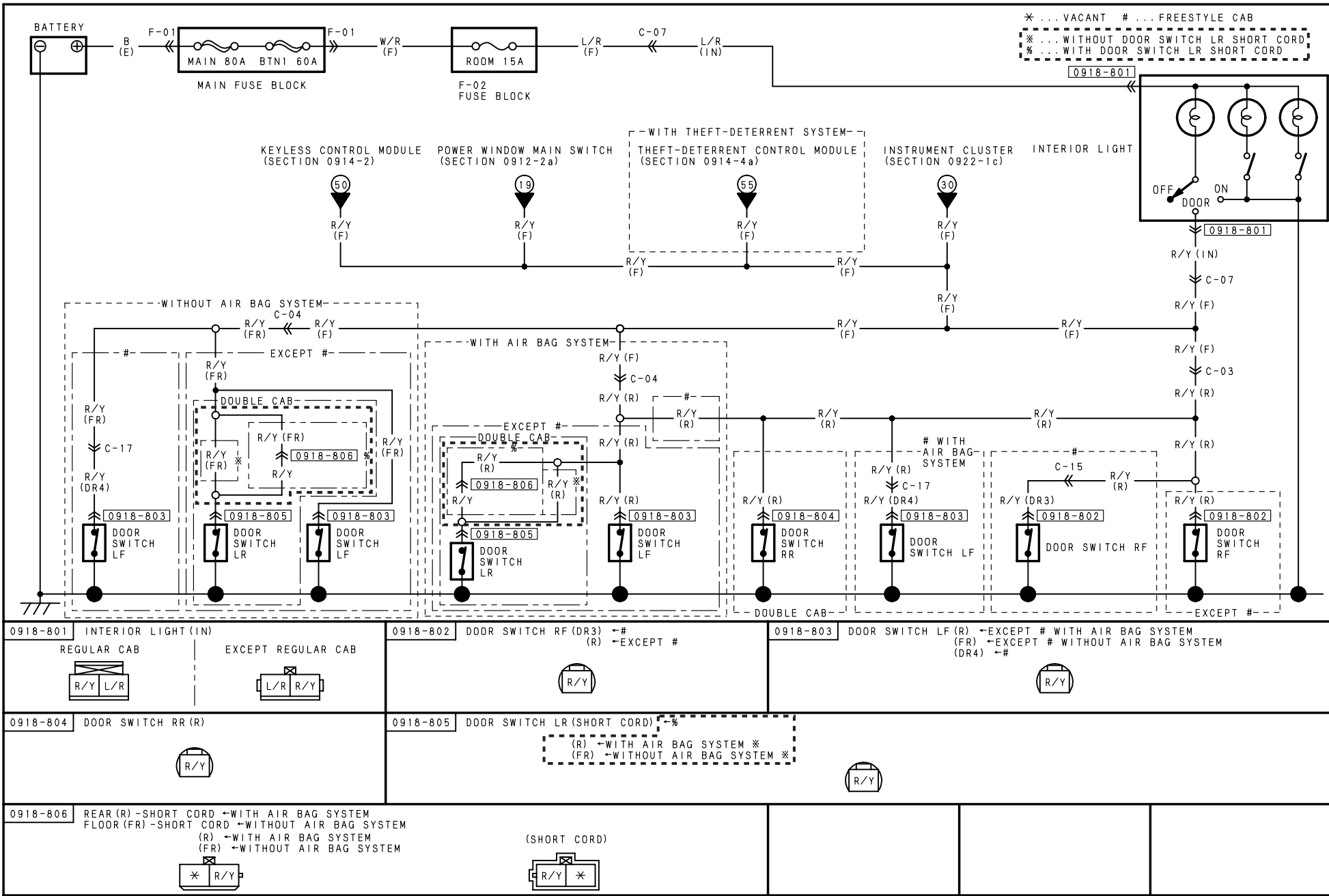



HARNESS SYMBOL:  (F)  (E)  (R)

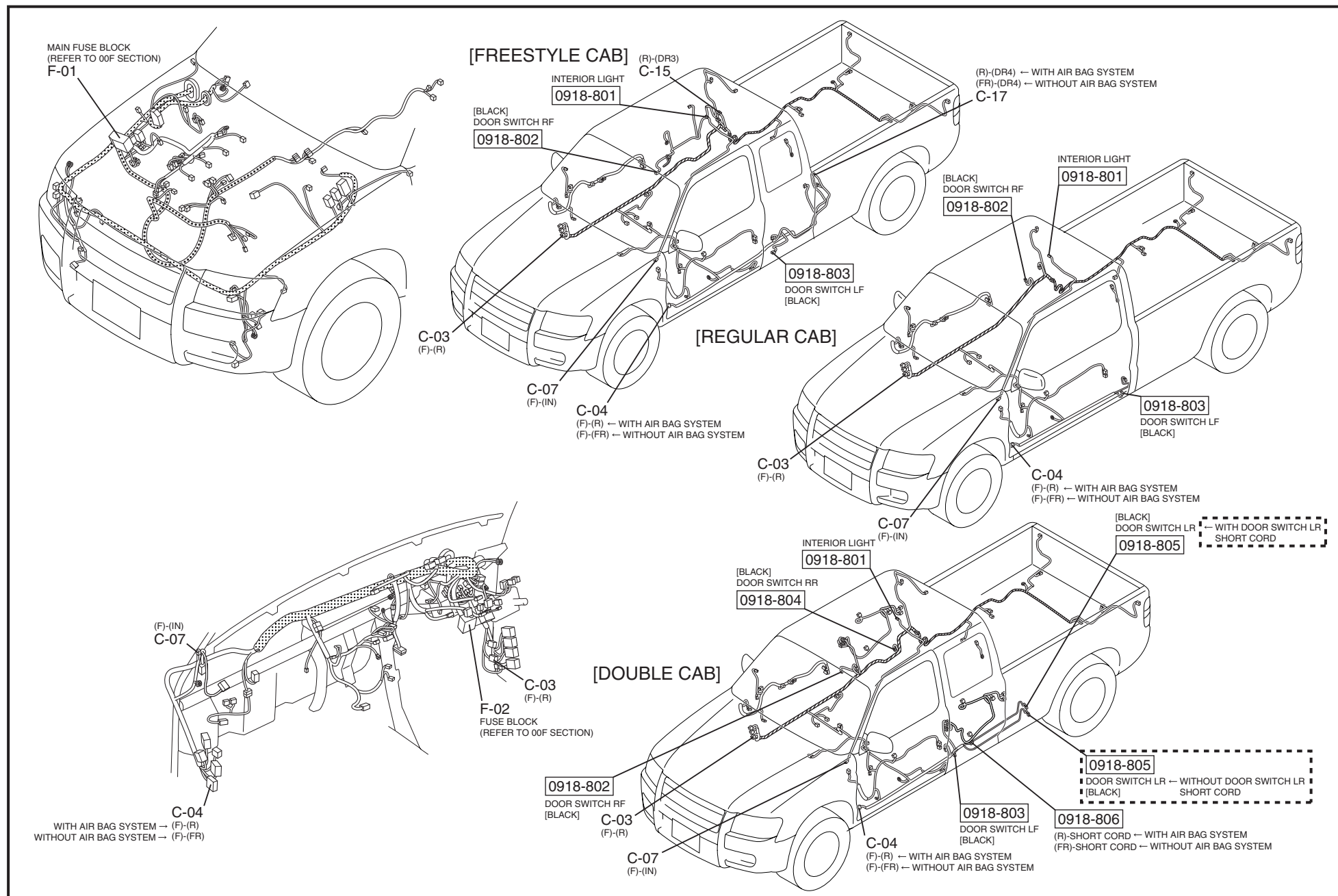


INTERIOR LIGHT

0918-8



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

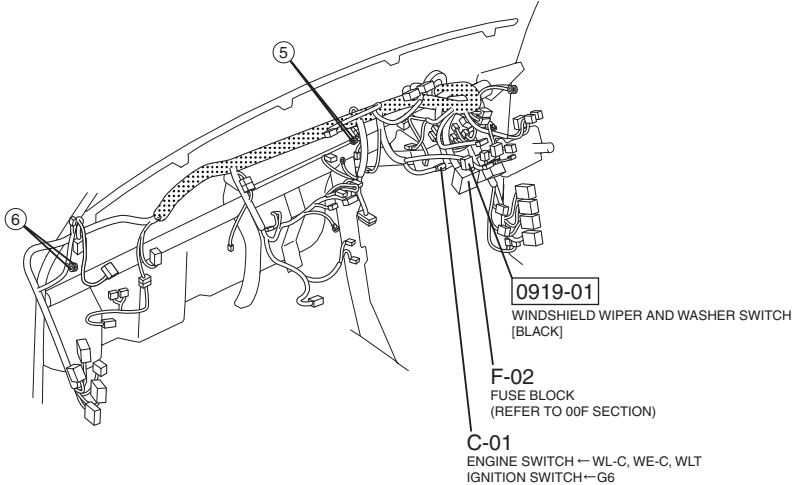
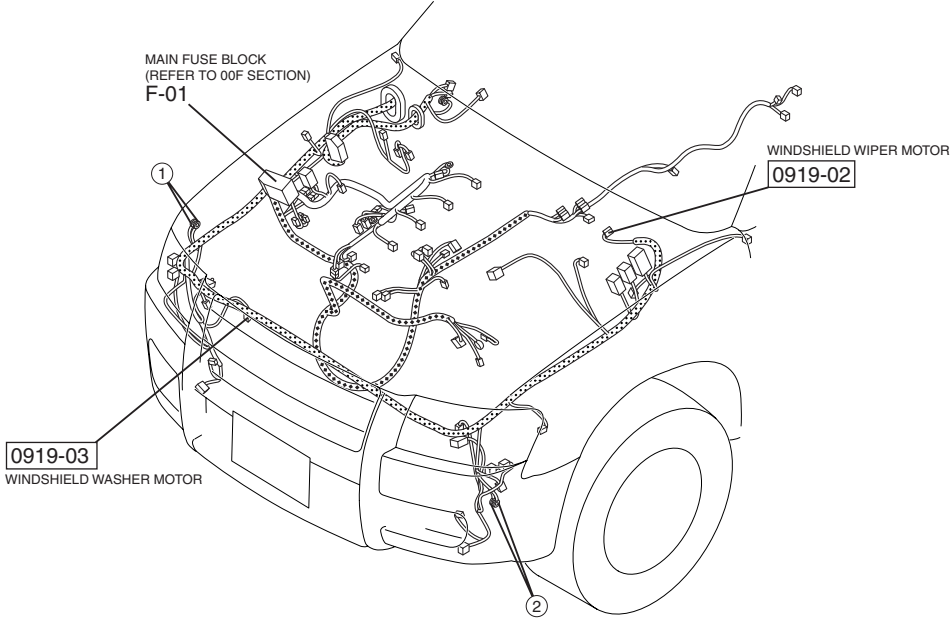


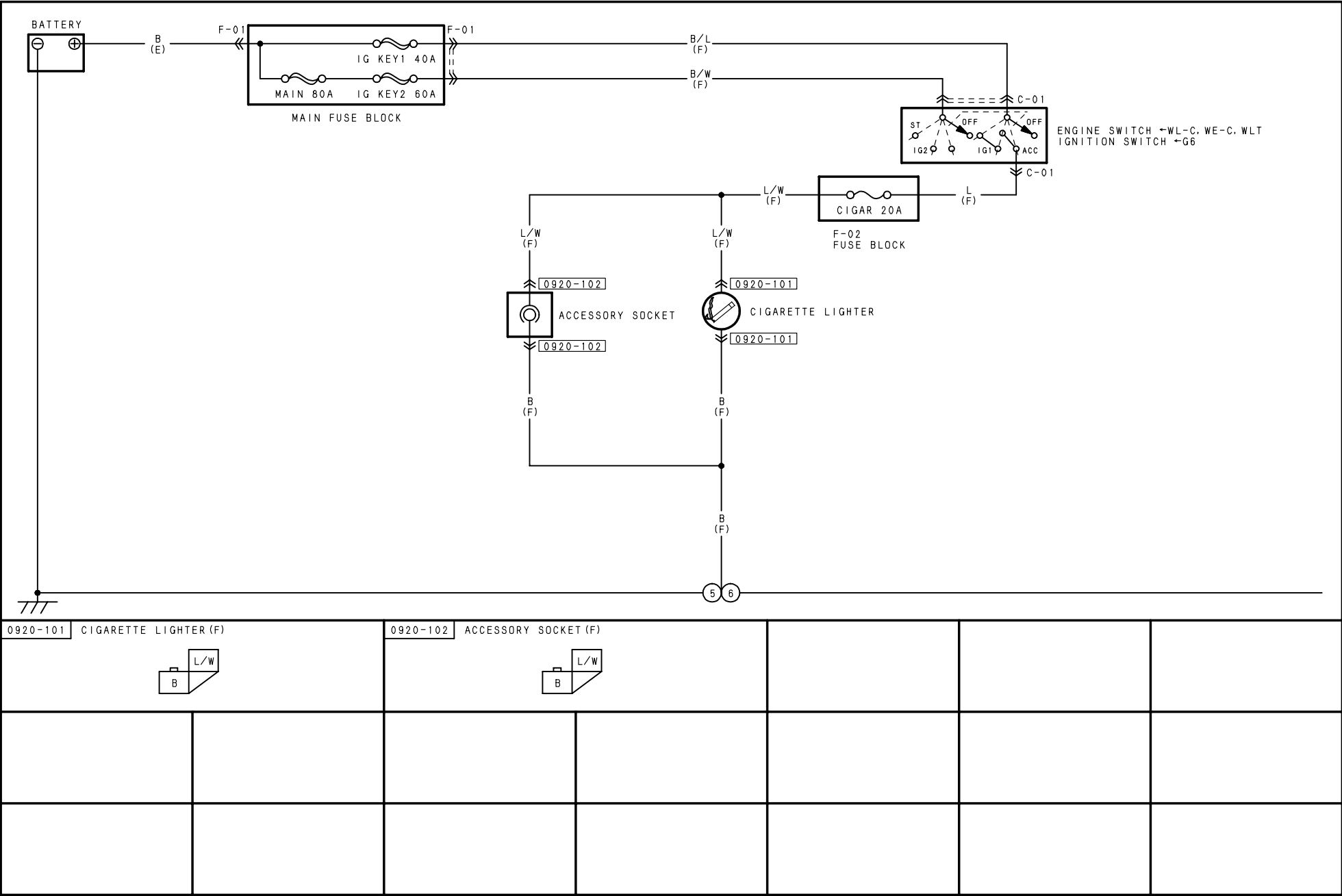
116

116

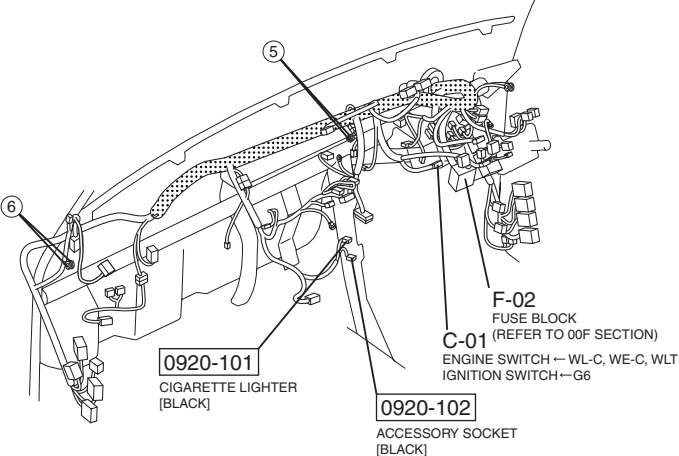
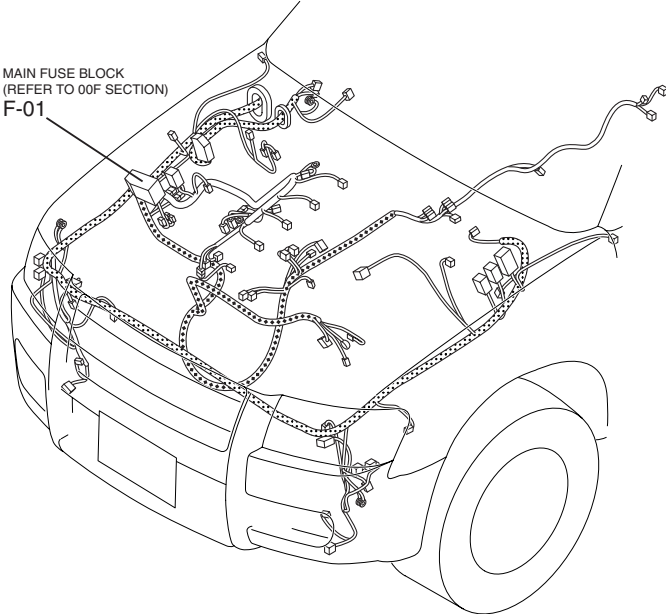


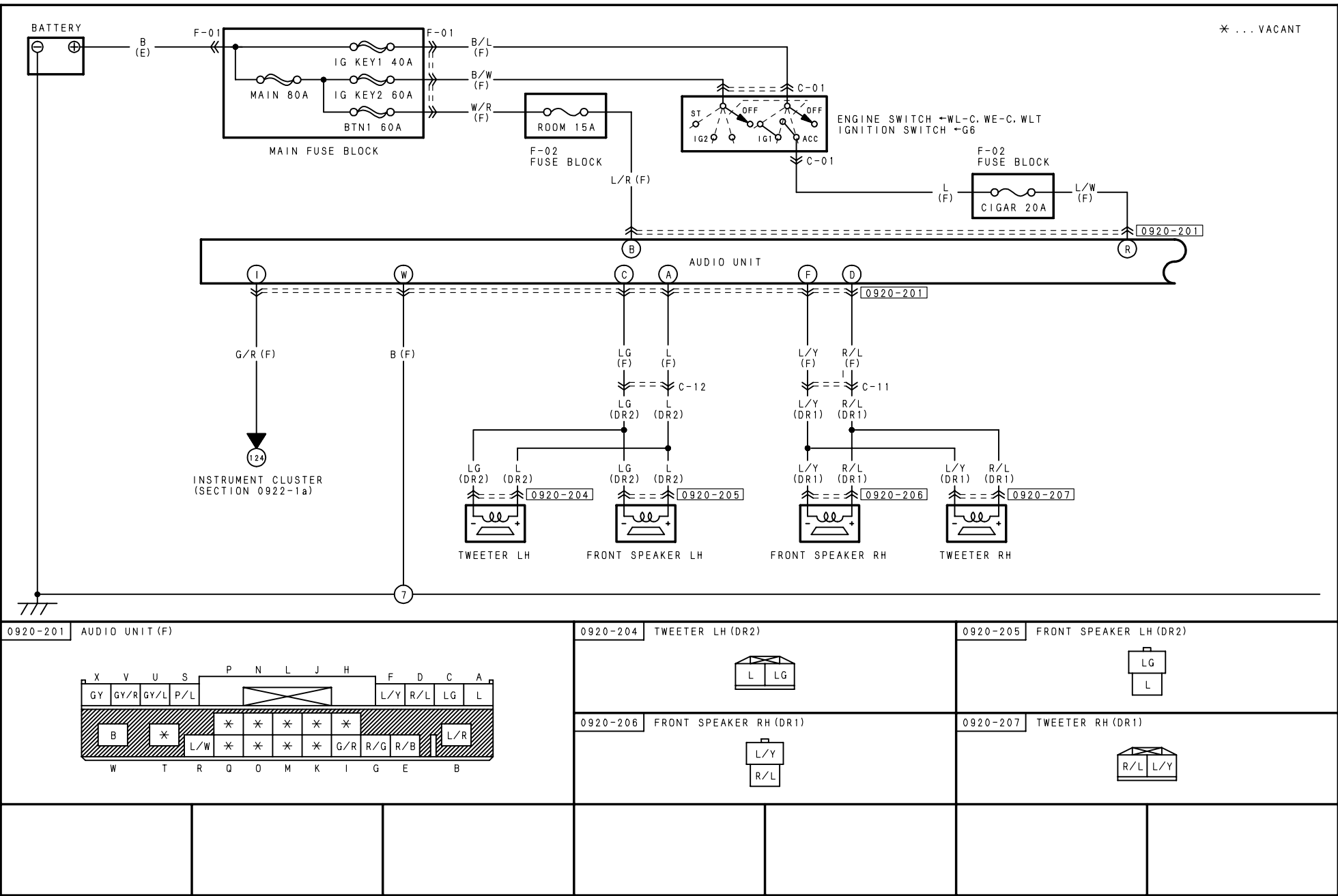
HARNESS SYMBOL:  (F)  (E)  (R)



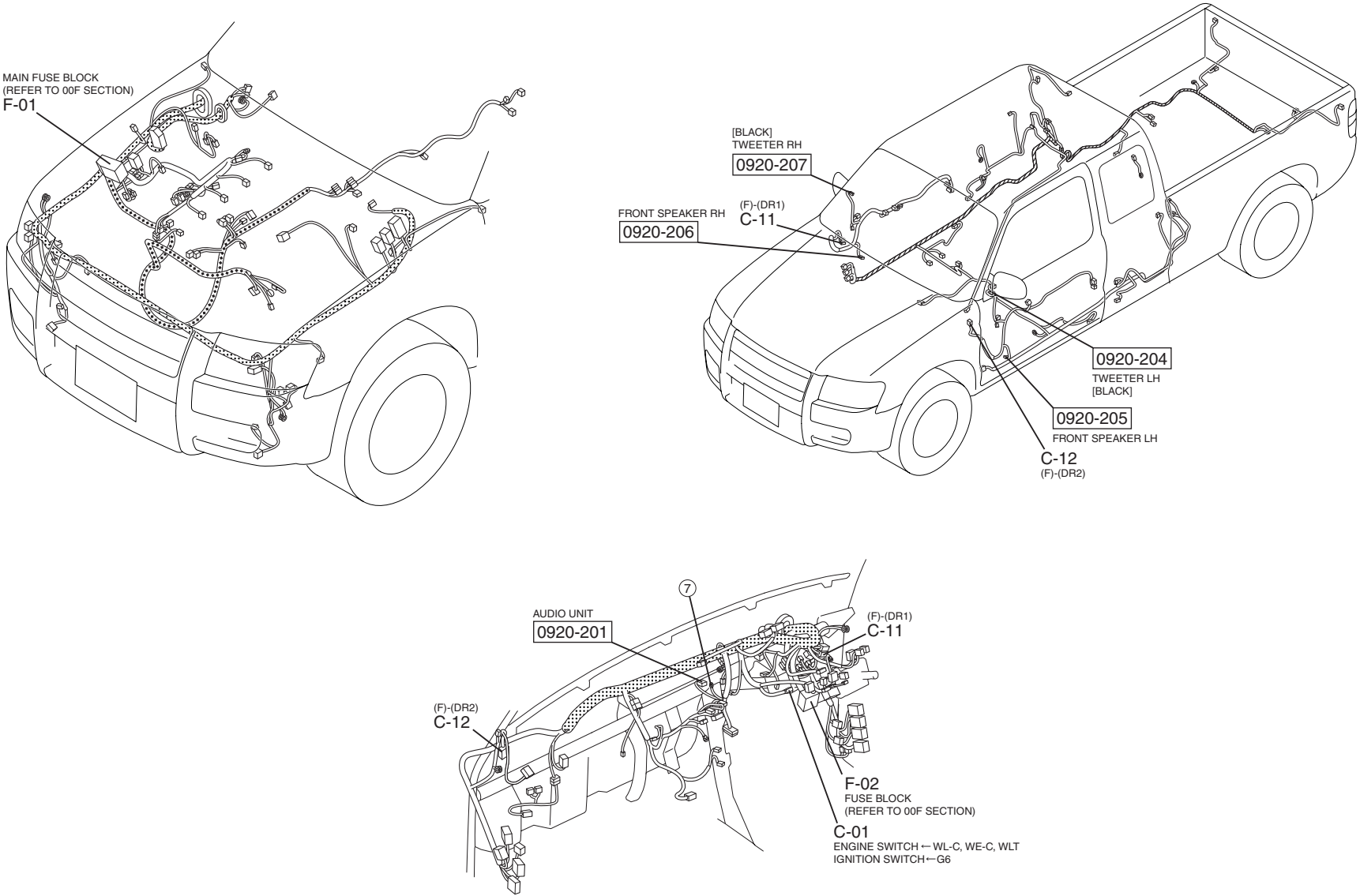


HARNESS SYMBOL:  (F)  (E)  (R)

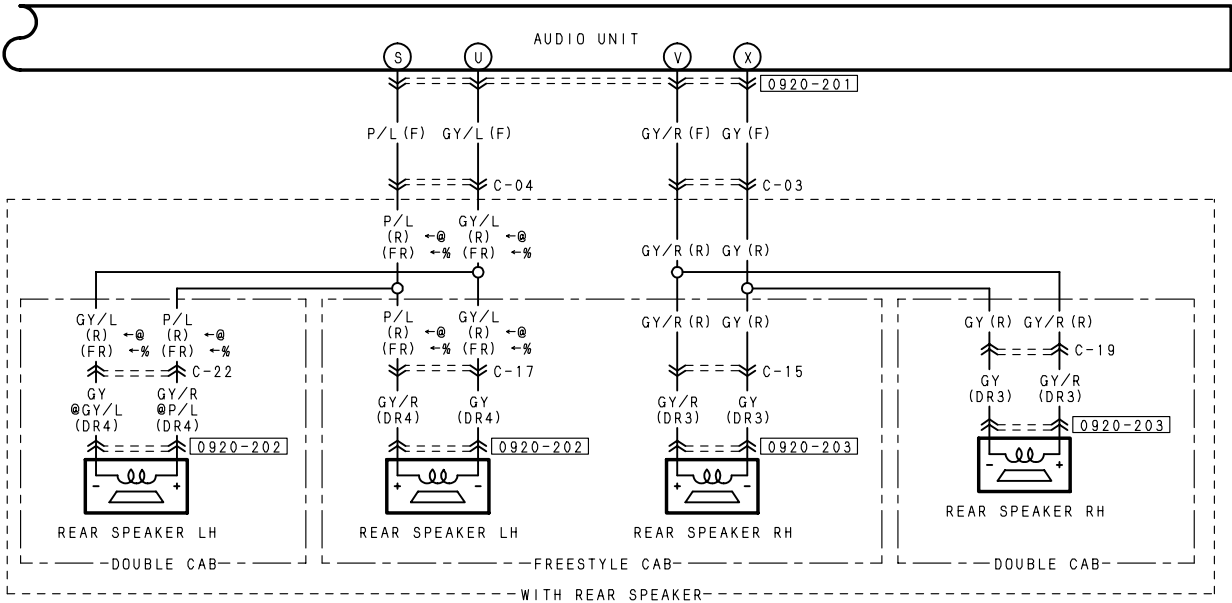




HARNESS SYMBOL:  (F)  (E)  (R)

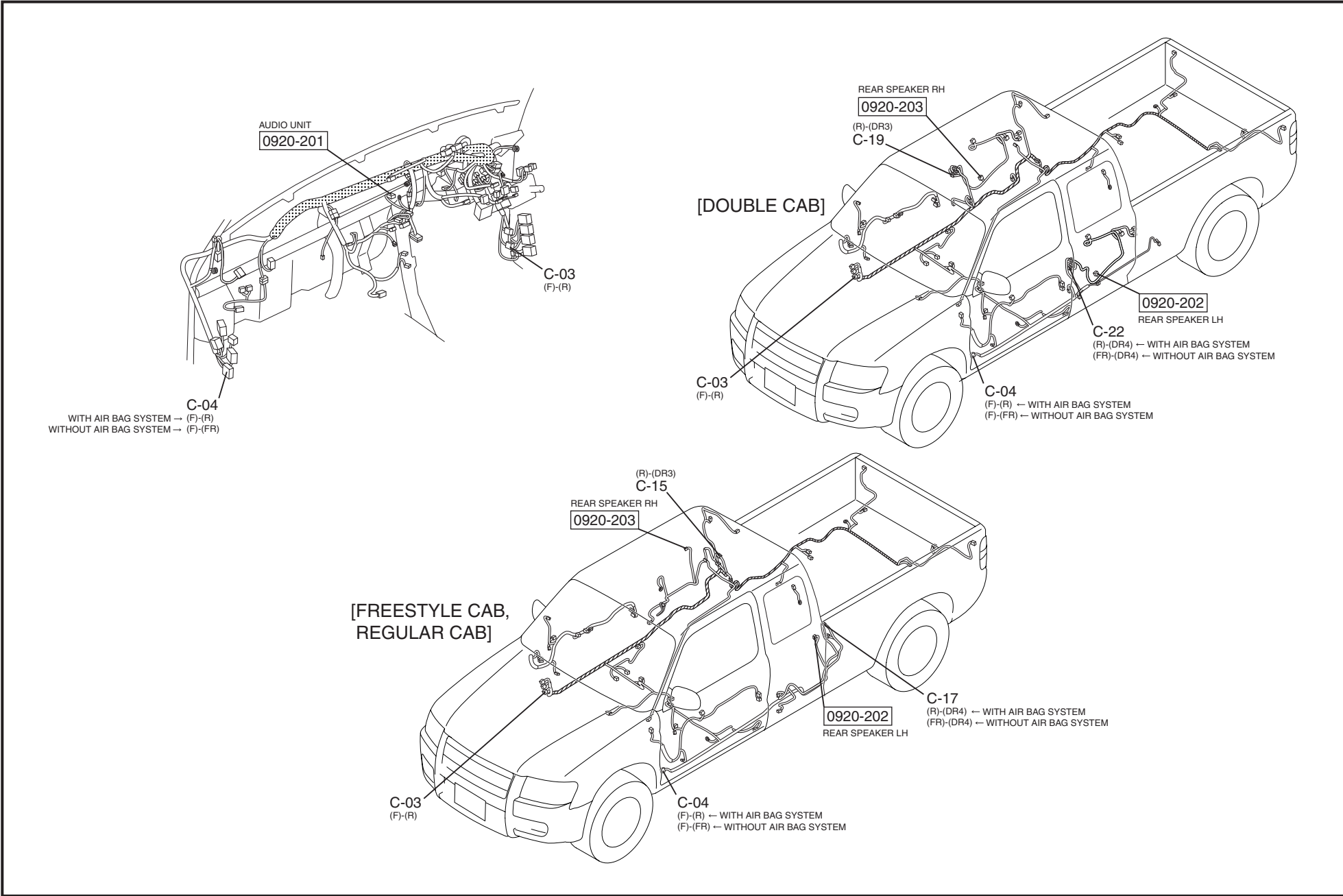


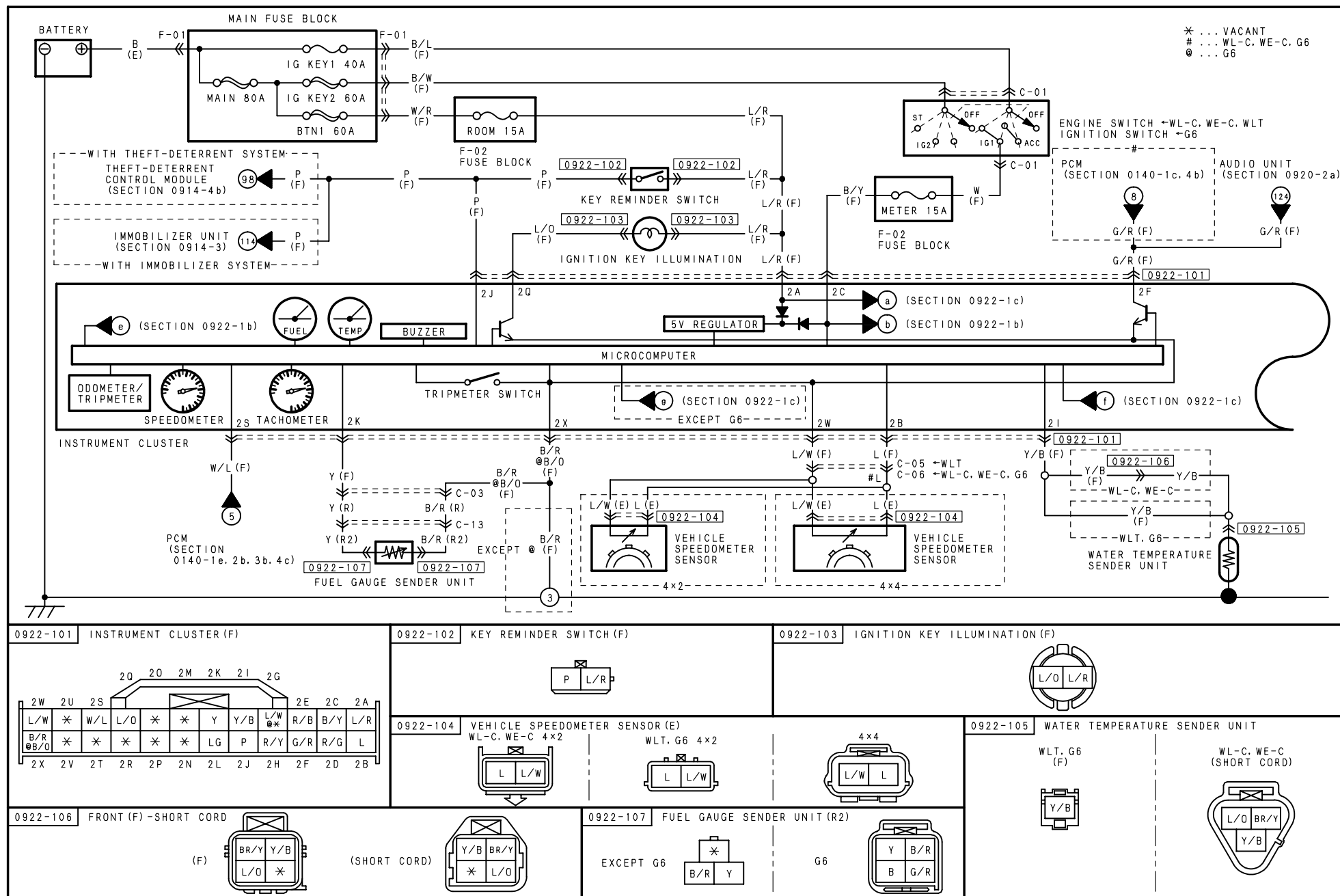
* ... VACANT
@ ... WITH AIR BAG SYSTEM
% ... WITHOUT AIR BAG SYSTEM



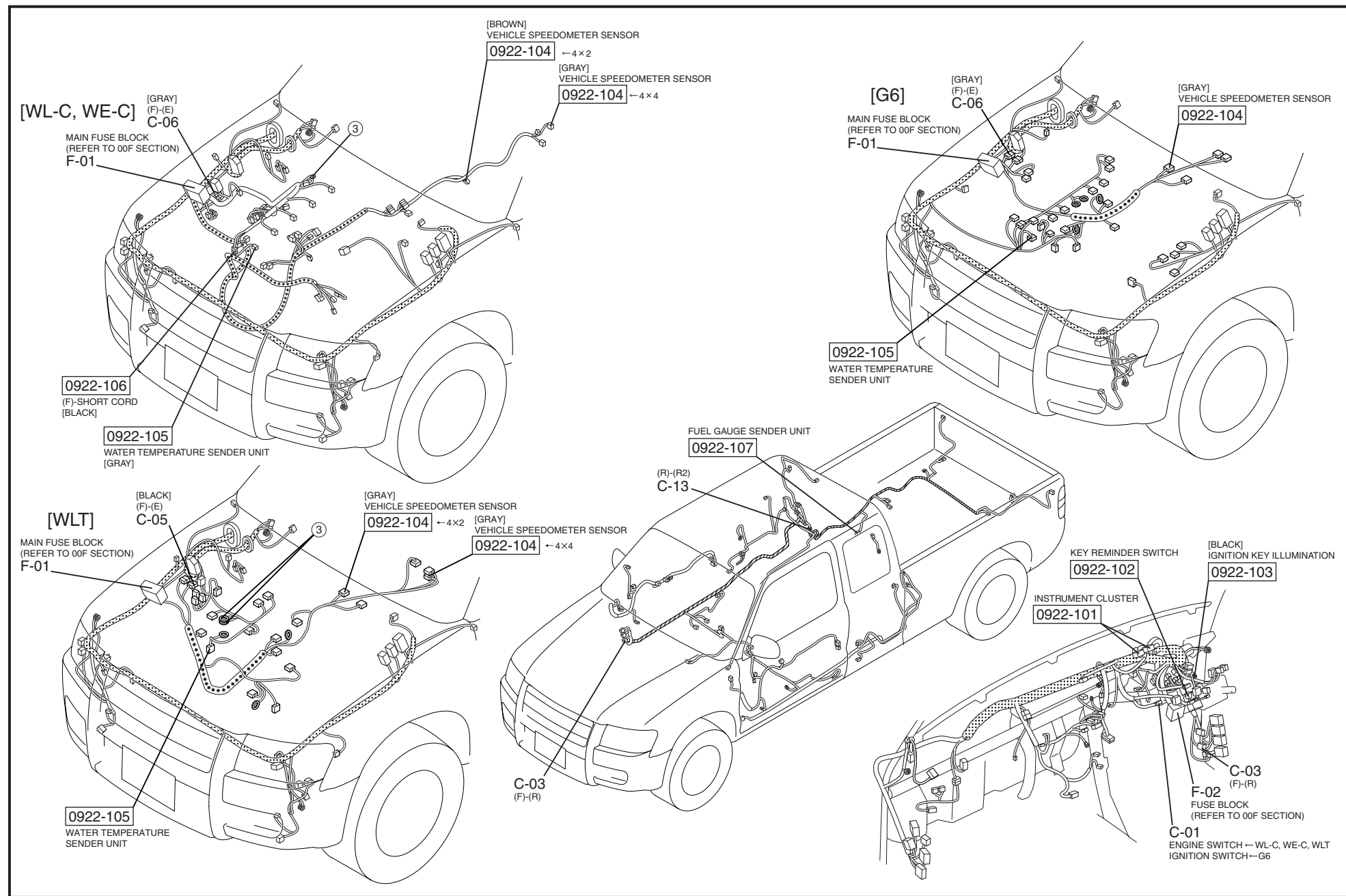
0920-201													AUDIO UNIT (F)													0920-202													REAR SPEAKER LH (DR4)													0920-203													REAR SPEAKER RH (DR3)																														
<table><tr><td>X</td><td>V</td><td>U</td><td>S</td><td colspan="5">P N L J H</td><td colspan="3">F D C A</td></tr><tr><td>GY</td><td>GY/R</td><td>GY/L</td><td>P/L</td><td colspan="5"></td><td>L/Y</td><td>R/L</td><td>LG</td><td>L</td></tr><tr><td colspan="13"></td></tr><tr><td>W</td><td>T</td><td>R</td><td>Q</td><td>O</td><td>M</td><td>K</td><td>I</td><td>G</td><td>E</td><td colspan="3">B</td></tr></table>													X	V	U	S	P N L J H					F D C A			GY	GY/R	GY/L	P/L						L/Y	R/L	LG	L														W	T	R	Q	O	M	K	I	G	E	B			<table><tr><td>GY</td><td>GY/L</td><td>GY/R</td><td>P/L</td></tr></table>													GY	GY/L	GY/R	P/L	<table><tr><td>GY</td><td>GY/R</td></tr></table>													GY	GY/R
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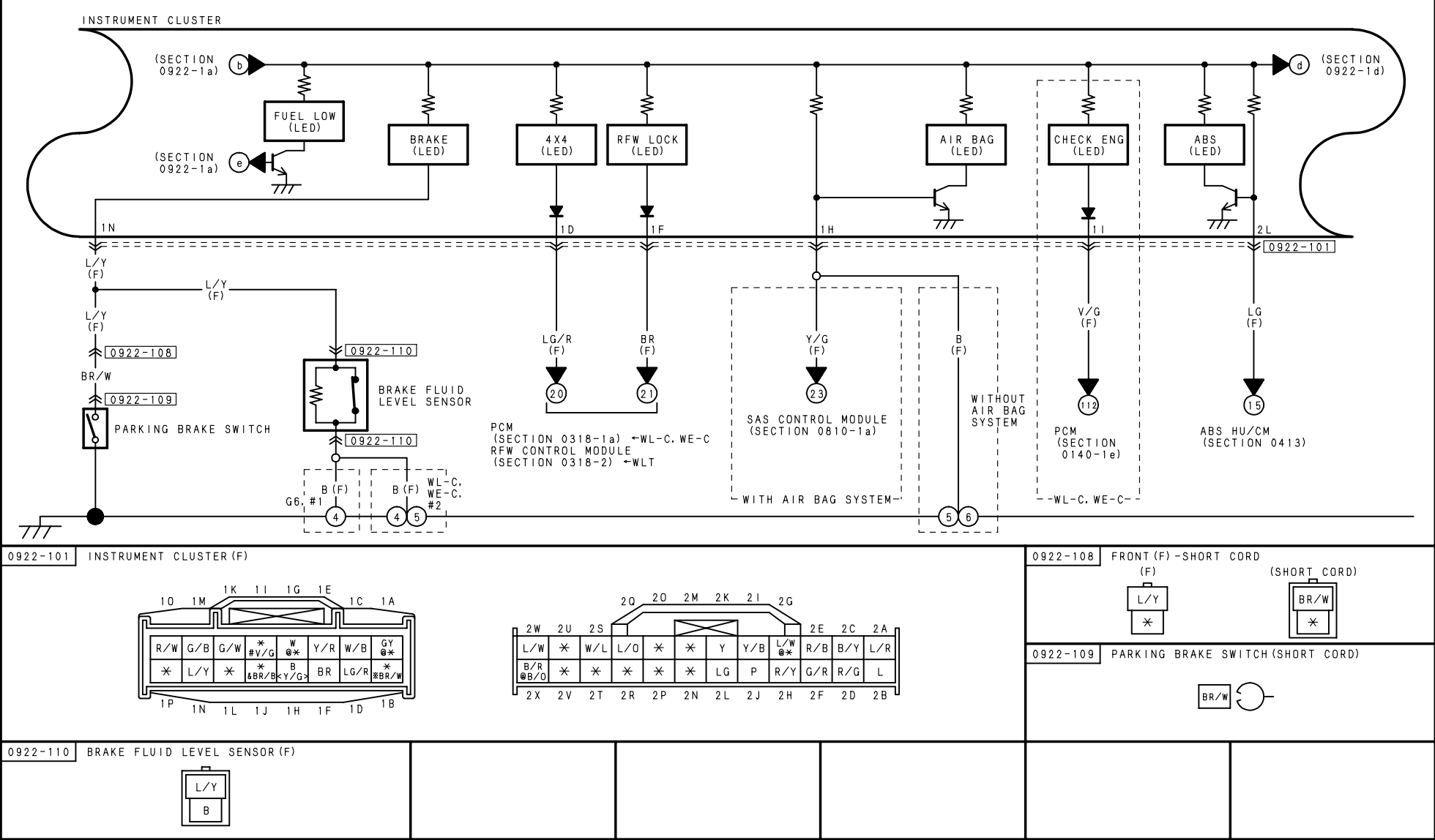







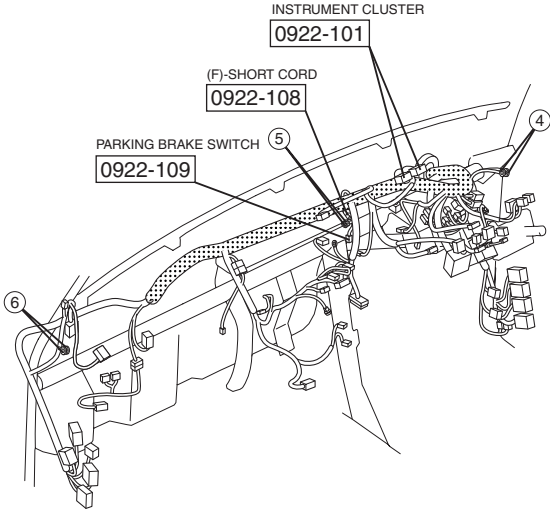
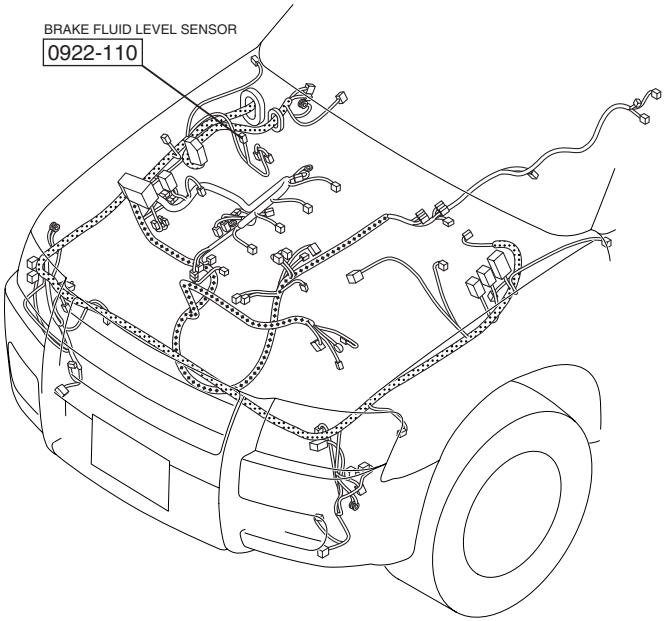
HARNESS SYMBOL:  (F)  (E)  (R)



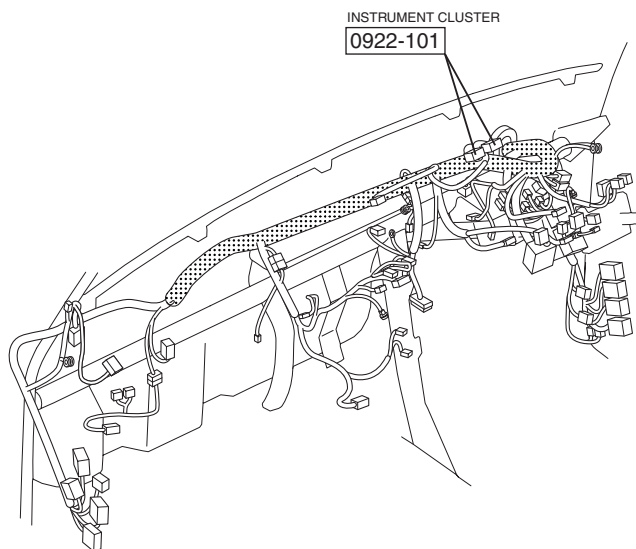
* ... VACANT
... WL-C, WE-C
< > ... WITH AIR BAG SYSTEM
& ... WITH THEFT-DETERRENT SYSTEM
※ ... WITH BUCKLE SWITCH
#1... WLT WITH IMMOBILIZER SYSTEM
#2... WLT WITHOUT IMMOBILIZER SYSTEM
⊗ ... G6



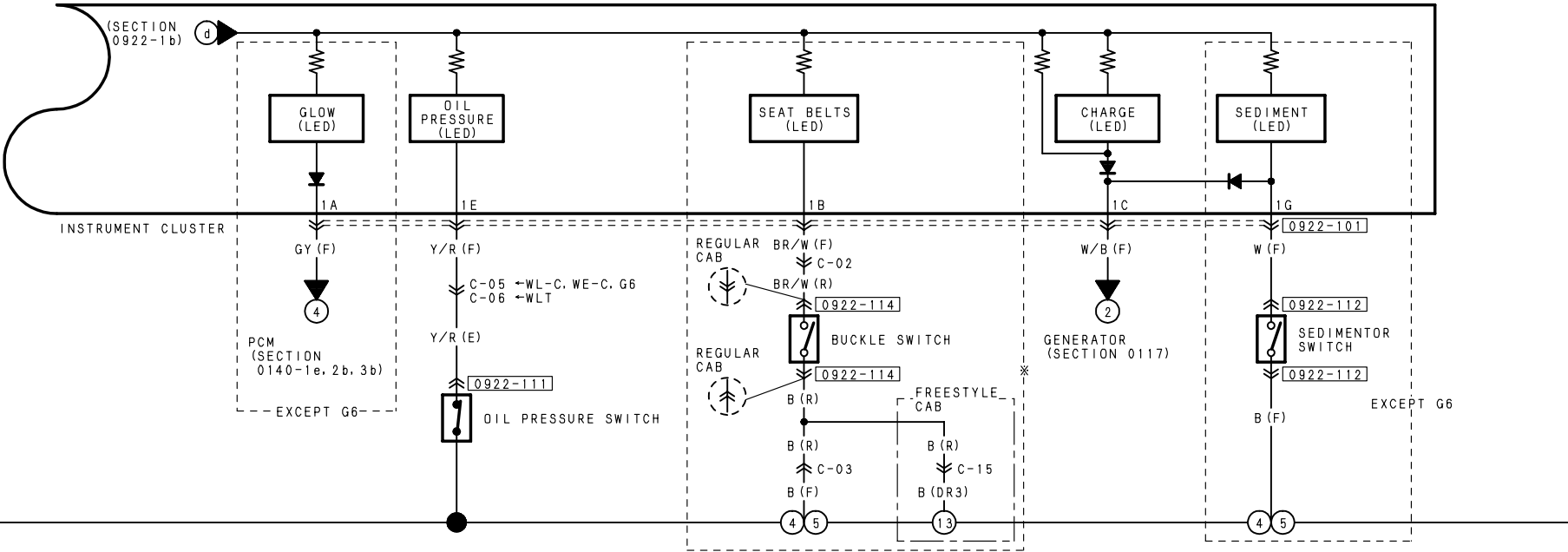
HARNESS SYMBOL:  (F)  (E)  (R)



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

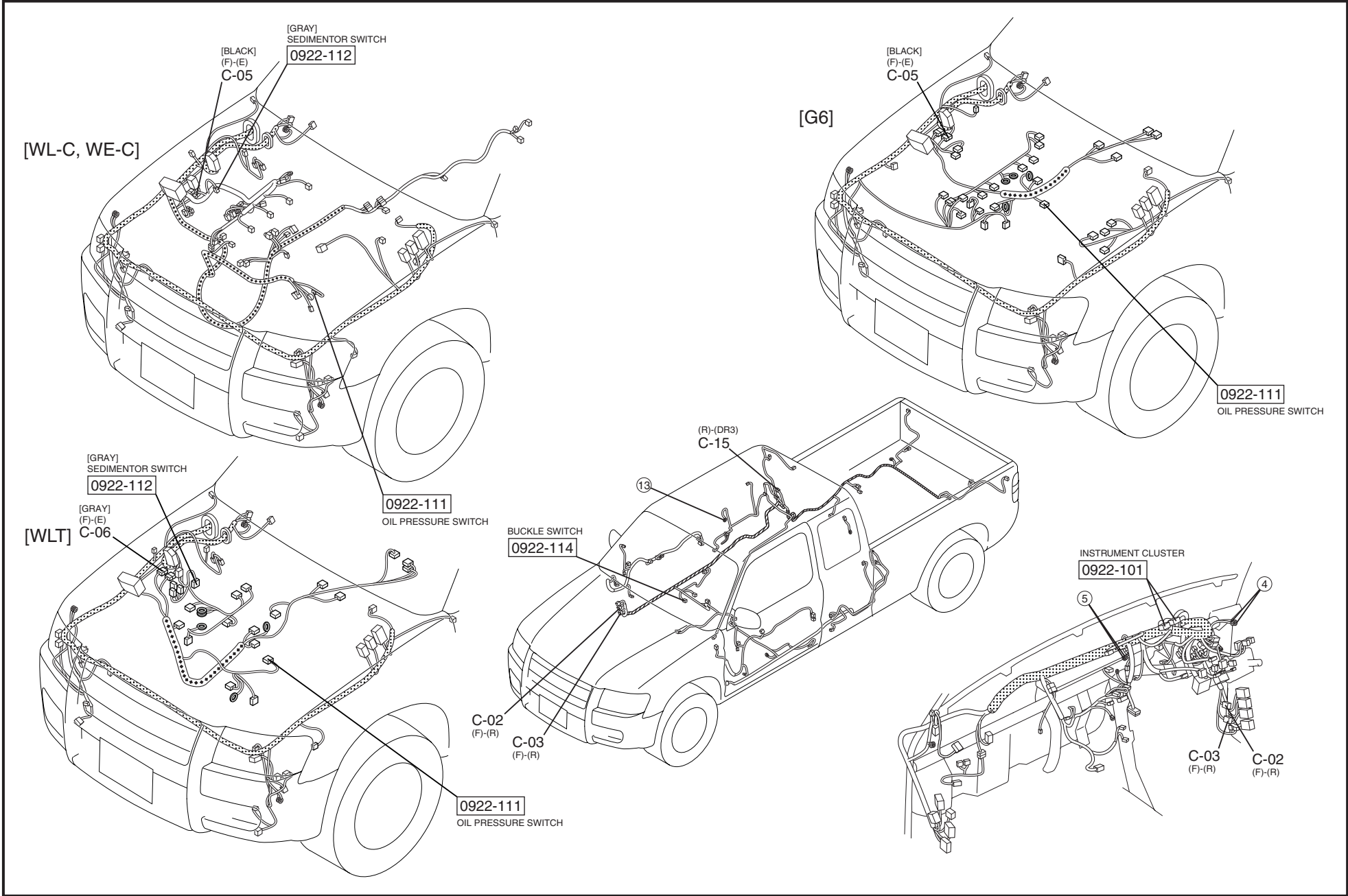


* ... VACANT
... WL-C, WE-C
< > ... WITH AIR BAG SYSTEM
& ... WITH THEFT-DETERRENT SYSTEM
* ... WITH BUCKLE SWITCH
@ ... G6



0922-101 INSTRUMENT CLUSTER (F)		0922-111 OIL PRESSURE SWITCH (E)	
0922-112 SEDIMENTOR SWITCH (F)		0922-114 BUCKLE SWITCH (R)	

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



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0922-2

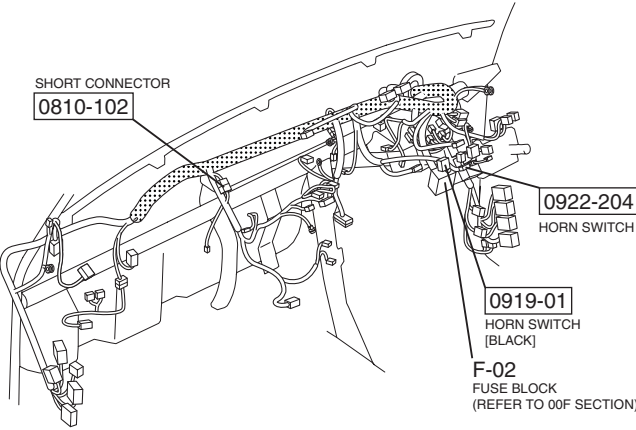
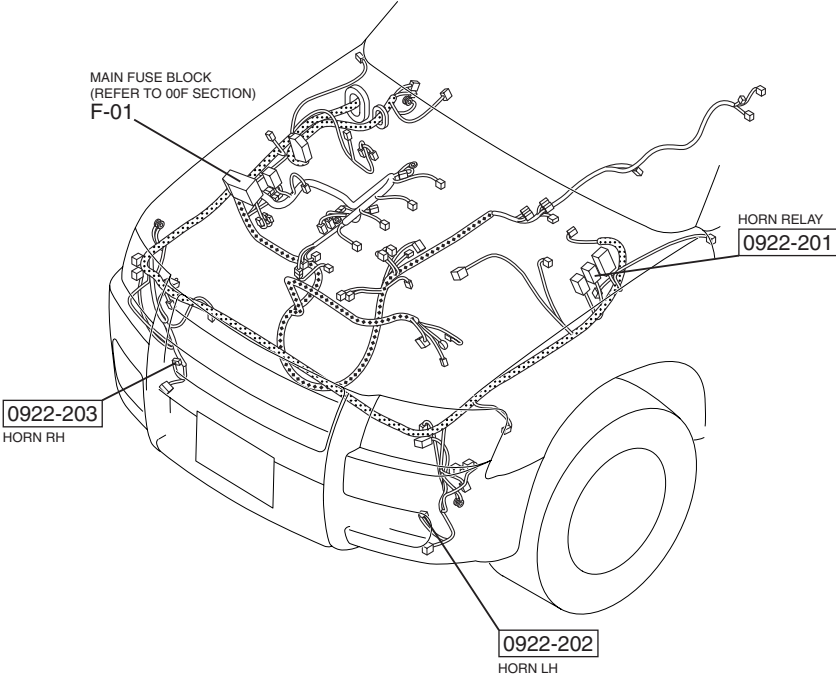
* ... VACANT

Wiring Diagram Details:

- BATTERY (B/E)** connects to **F-01 MAIN FUSE BLOCK (BTN2 60A)**.
- F-01** connects to **F-02 FUSE BLOCK (STOP 15A)**.
- F-02** splits into two paths:
 - Path 1:** G/W (F) to **HORN RELAY (0922-201)**.
 - Path 2:** G/W (F) to **HORN SWITCH (0919-01)**.
- HORN RELAY (0922-201)** has two outputs:
 - Output 1:** G/R (F) to **HORN LH (0922-202)**.
 - Output 2:** G/R (F) to **HORN RH (0922-203)**.
- HORN SWITCH (0919-01)** has two outputs:
 - Output 1:** G/R (F) to **HORN LH (0922-202)**.
 - Output 2:** G/R (F) to **HORN RH (0922-203)**.
- HORN LH (0922-202)** and **HORN RH (0922-203)** are connected to the ground.

0922-201 HORN RELAY (F) 	0922-202 HORN LH (F) 	0922-203 HORN RH (F) 	0922-204 HORN SWITCH (F) (CLOCK SPRING) 	0810-102 SHORT CONNECTOR (F)
0919-01 HORN SWITCH (F) 				

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



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