

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 CX-7

Wiring Diagram

FOREWORD

This wiring diagram incorporates the wiring schematics of the Mazda CX-7 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.

CONTENTS

TITLE	SECTION
GENERAL INFORMATION	00
ENGINE	01
SUSPENSION	02
DRIVELINE/AXLE	03
BRAKES	04
TRANSMISSION/ TRANSAXLE	05
STEERING	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07
RESTRAINTS	08
BODY & ACCESSORIES	09
ALPHABETICAL INDEX	AI

**VEHICLE IDENTIFICATION NUMBERS (VIN)
(CHASSIS NUMBERS)**

JM0 ER103100 100001-

SYSTEM INDEX

00 GENERAL INFORMATION

R READING WIRING DIAGRAMS

VEHICLE IDENTIFICATION NUMBER (VIN) CODE	2
VEHICLE IDENTIFICATION NUMBERS (VIN)	3
CONTENTS OF WIRING DIAGRAMS	4
GROUND POINTS	5
SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM	6
ROUTING DIAGRAM	8
HARNESS SYMBOLS	9
WIRING COLOR CODE	9
SYMBOLS	9
SERVICE WARNING AND CAUTION FOR VEHICLES WITH SRS AIR BAG SYSTEM	12
SERVICE WARNING FOR VEHICLES WITH DISCHARGE HEADLIGHTS	12
ABBREVIATIONS USED IN THIS MANUAL	12

P ELECTRICAL SYSTEM GENERAL PROCEDURES

POWER, GROUND & COMMON CONNECTOR

E ELECTRICAL WIRING SCHEMATIC	18
F FUSE BOX	20
C COMMON CONNECTOR LIST	22
G GROUND POINT	28

DATA LINK CONNECTOR

D DATA LINK CONNECTOR	32
-----------------------------	----

01 ENGINE

12 COOLING SYSTEM	36
14 FUEL SYSTEM	38
17 CHARGING SYSTEM	40
19 STARTING SYSTEM	42
20 CRUISE CONTROL SYSTEM	44
40 CONTROL SYSTEM	46

03 DRIVELINE/AXLE

18 4-WHEEL DRIVE ELECTRONIC 4WD CONTROL SYSTEM	66
---	----

04 BRAKES

15 DYNAMIC STABILITY CONTROL	68
------------------------------------	----

05 TRANSMISSION/TRANSAXLE

17 AUTOMATIC TRANSAXLE EC-AT CONTROL SYSTEM	72
--	----

07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)

40 CONTROL SYSTEM

HEATER AND AIR CONDITIONER SYSTEM MANUAL A/C	74
AUTO A/C	80
A/C COMPRESSOR CONTROL	86

08 RESTRAINTS

10 AIR BAG SYSTEM

AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)	88
--	----

09 BODY & ACCESSORIES

12 GLASS/WINDOWS/MIRRORS

REAR WINDOW DEFROSTER (INCLUDES HEATED OUTER MIRROR INFORMATION)	98
POWER WINDOW SYSTEM	100
POWER OUTER MIRROR	106

13 SEATS

SEAT WARMER	108
POWER SEAT	110

14 SECURITY AND LOCKS

IMMOBILIZER SYSTEM	112
KEYLESS ENTRY SYSTEM	114

15 SUNROOF

.....	116
-------	-----

18 LIGHTING SYSTEMS

HEADLIGHT	118
AUTO LIGHT SYSTEM	122
LICENSE PLATE LIGHT	126
PARKING LIGHT	126
TAILLIGHT	126
FRONT FOG LIGHT	130
BACK-UP LIGHT	132
BRAKE LIGHT	134
HIGH-MOUNT BRAKE LIGHT	134
CARGO COMPARTMENT LIGHT	136
INTERIOR LIGHT	136
MAP LIGHT	136
ILLUMINATION LIGHT	138

19 WIPER/WASHER SYSTEM

WINDSHIELD WIPER AND WASHER	142
REAR WIPER AND WASHER	144

20 ENTERTAINMENT

ACCESSORY SOCKET	146
AUDIO SYSTEM STANDARD TYPE AUDIO	148
Bose® TYPE AUDIO	152

22 INSTRUMENTATION/DRIVER INFO.

INSTRUMENT CLUSTER	162
HORN	172
INFORMATION DISPLAY	174

40 CONTROL SYSTEM

BCM (BODY CONTROL MODULE)	178
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AI ALPHABETICAL INDEX

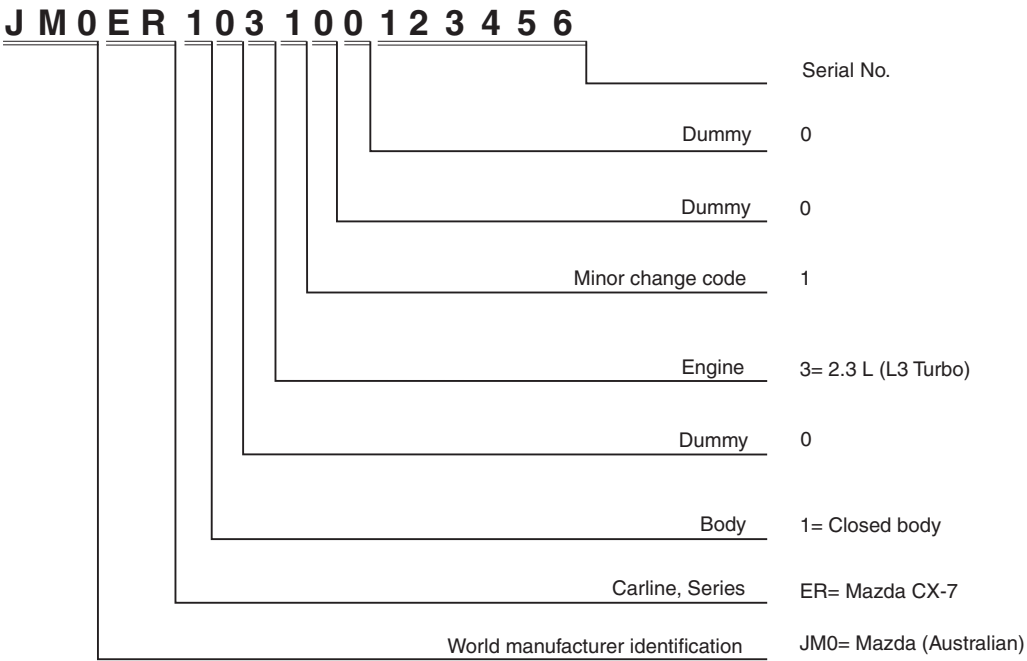
ALPHABETICAL INDEX	198
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Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

00R

Reading Wiring Diagrams

VEHICLE IDENTIFICATION NUMBER (VIN) CODE

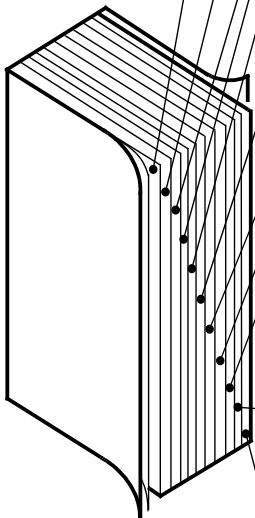


VEHICLE IDENTIFICATION NUMBERS (VIN)

JM0 ER103100 100001-

CONTENTS OF WIRING DIAGRAMS

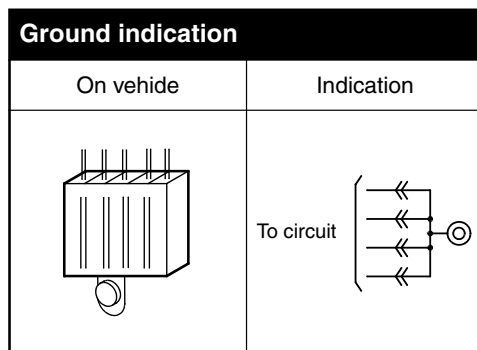
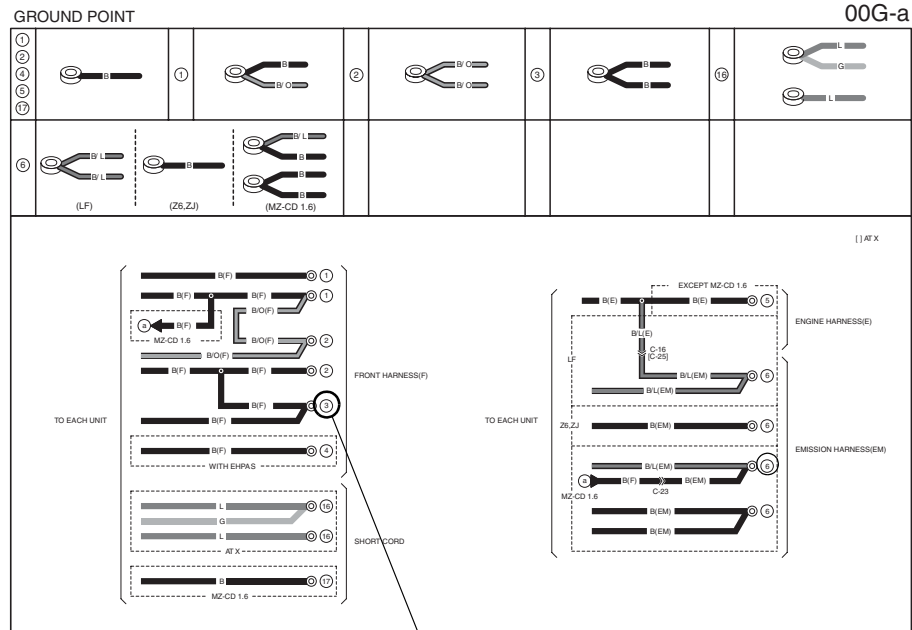
- This manual comprises the sections shown below.

	GENERAL INFORMATION	00	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
			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	01	12	Cooling system	Shows circuit and connector diagrams and component and connector location diagrams
			14	Fuel system	
			17	Charging system	
			18	Ignition system	
			19	Starting system	
			20	Cruise control system	
			40	Control system	
	SUSPENSION	02	12	Wheel and tires	
	DRIVELINE/AXLE	03	18	4-Wheel drive	
	BRAKES	04	13	Antilock brake system	
			14	Traction control system	
			15	Dynamic stability control	
	TRANSMISSION/TRANSAXLE	05	13	Automatic transmission	
			14	Automatic transmission shift mechanism	
			17	Automatic transaxle	
			18	Automatic transaxle shift mechanism	
	STEERING	06	13	Electric power steering (EPS)	
			14	Power steering	
	HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07	40	Control system	
	RESTRAINTS	08	10	Air bag system	
			11	Seat belt	
	BODY & ACCESSORIES	09	12	Glass/Windows/Mirrors	
			13	Seats	
			14	Security and locks	
			15	Sunroof	
			18	Lighting systems	
			19	Wiper/Washer system	
			20	Entertainment	
			21	Power systems	
			22	Instrumentation/Driver info.	
			40	Control system	
	AI			Alphabetical Index	Gives page number of circuit diagram for each component

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

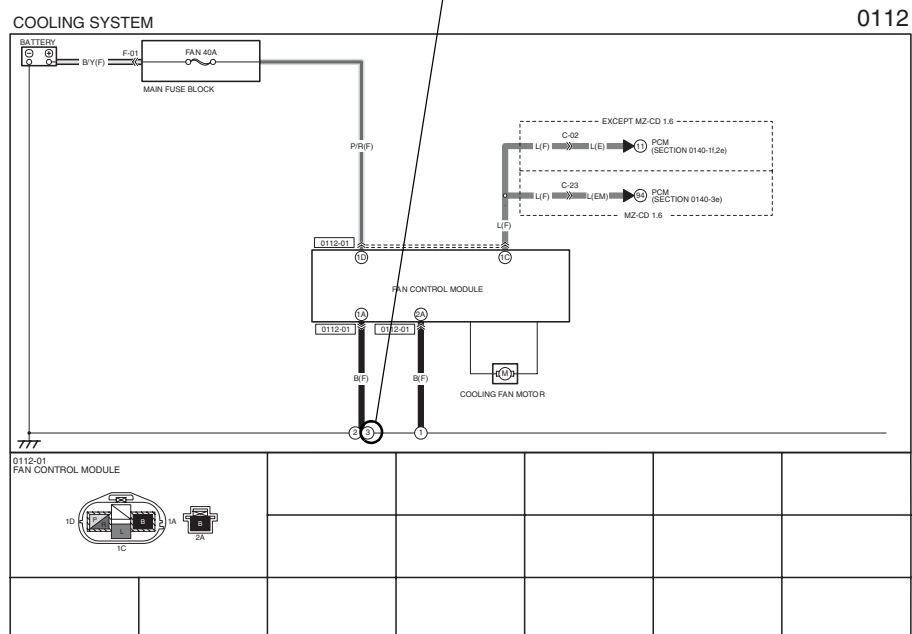
GROUND POINTS

- 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.

System name

CONTROL SYSTEM (MZ-CD 1.6)

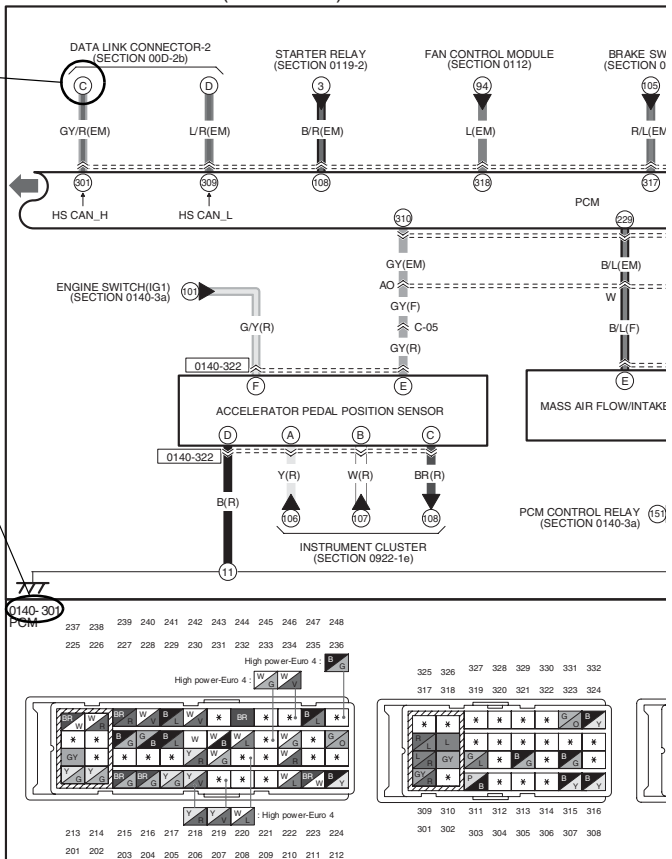
Multiplex communication

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

Connector code

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

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



Indicates shielded wire.*

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

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

Current symbol

Current flows in the direction of the arrow.

System code

0140-3e

Wire color code (harness symbol)

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

For example:

W/R is a white wire with a red strip

BR/Y is a brown wire with a yellow strip

Symbol

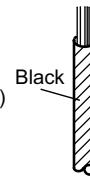
(Example)

Solid color wire

Striped wire

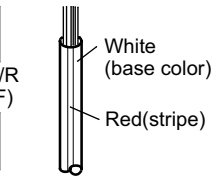
B

(F)

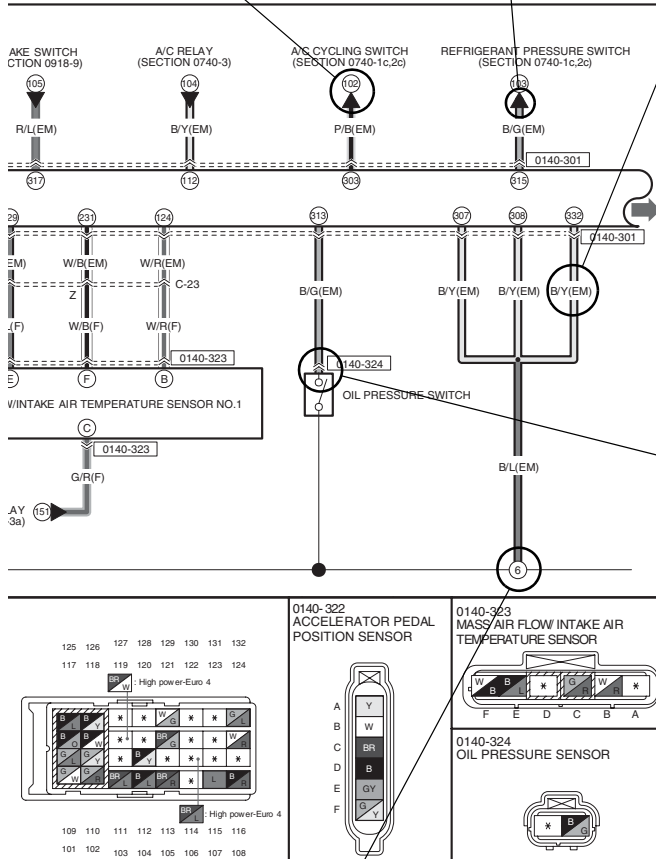


W/R

(F)



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



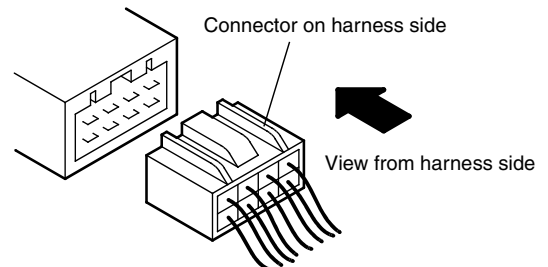
Connector symbols

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

		Circuit diagram symbol	Connector diagram symbol
Male			
Female			

- Like connectors are linked by dashed lines between the connector symbols.
- Connector diagrams show connectors on the harness side. The terminal indicates the view from the harness side.

(Example)



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

Ground numbers

A harness ground is represented differently than a unit ground.

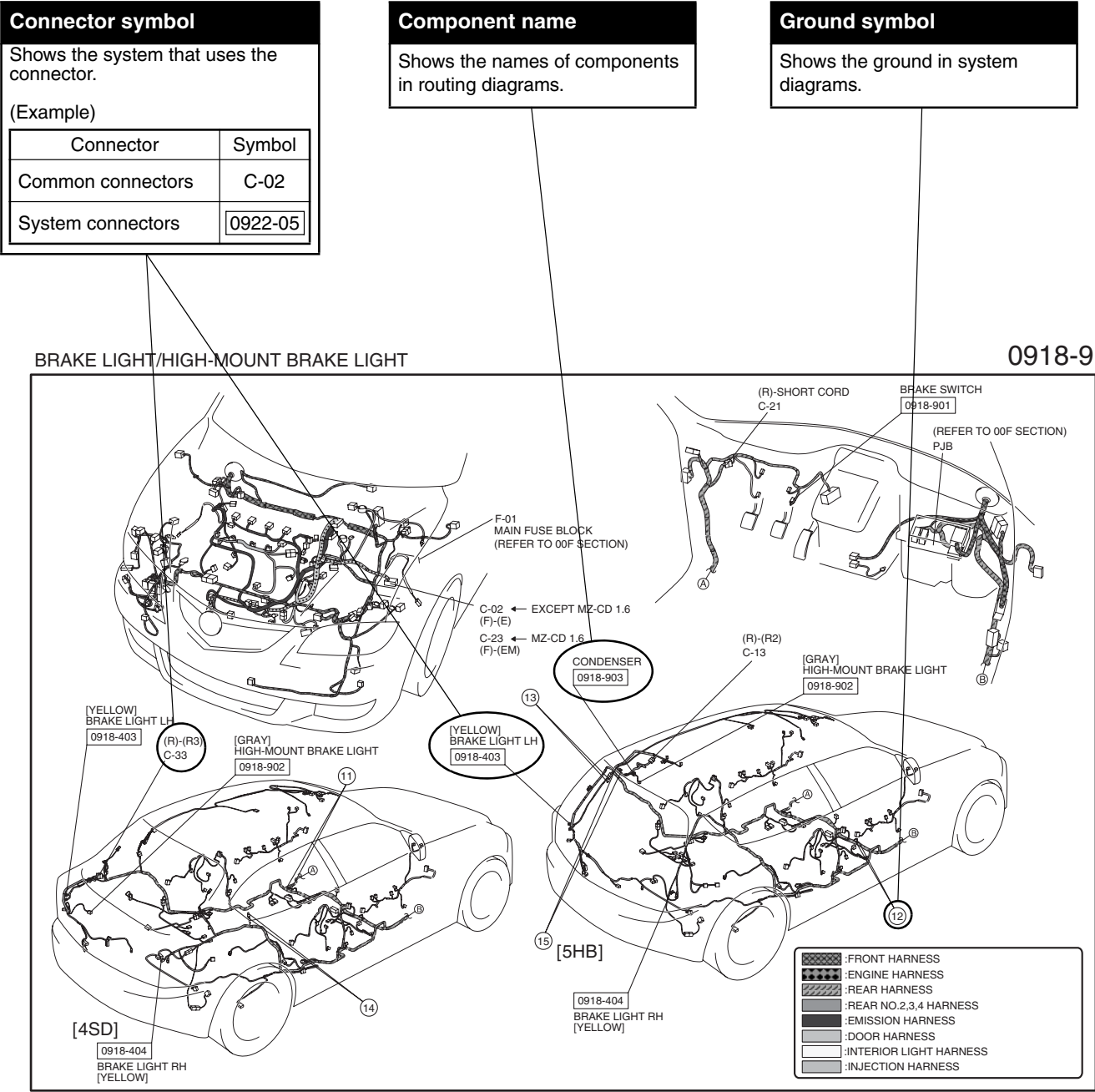
Types of grounds	Symbol
Harness 	
Unit 	

00R

Reading Wiring Diagrams

ROUTING DIAGRAM

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



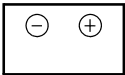

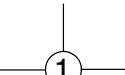

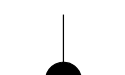
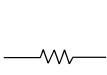
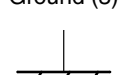

HARNESS SYMBOLS


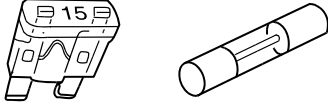
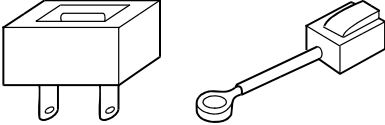




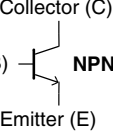
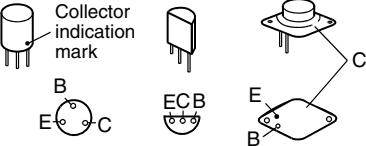

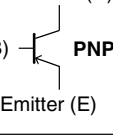
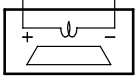

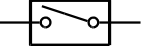
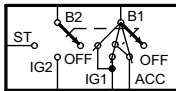


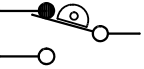

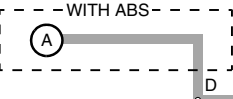
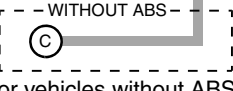
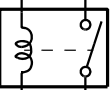
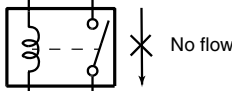
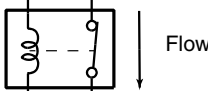
DESCRIPTION OF HARNESS	SYMBOL	DESCRIPTION OF HARNESS	SYMBOL
FRONT HARNESS	(F)	DOOR No. 1 HARNESS	(DR1)
FRONT No. 2 HARNESS	(F2)	DOOR No. 2 HARNESS	(DR2)
ENGINE HARNESS	(E)	DOOR No. 3 HARNESS	(DR3)
DASH HARNESS	(D)	DOOR No. 4 HARNESS	(DR4)
REAR HARNESS	(R)	FLOOR HARNESS	(FR)
REAR No. 2 HARNESS	(R2)	INTERIOR LIGHT HARNESS	(IN)
REAR No. 3 HARNESS	(R3)	A/C HARNESS	(AC)
INSTRUMENT PANEL HARNESS	(I)	INJECTION HARNESS	(INJ)
EMISSION HARNESS	(EM)	HAND BRAKE HARNESS	(HB)
EMISSION No. 2 HARNESS	(EM2)		
EMISSION No. 3 HARNESS	(EM3)		

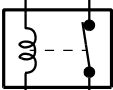
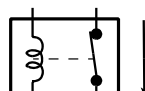
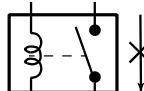
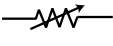
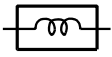
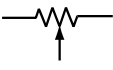

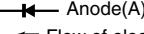
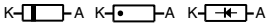

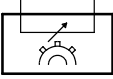


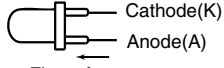

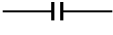

WIRING COLOR CODE

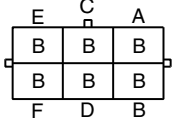
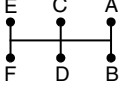
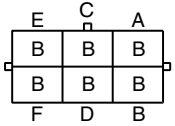
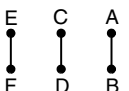
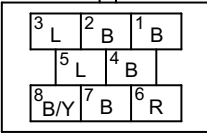
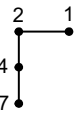
COLOR	CODE	COLOR	CODE
BLACK	B	ORANGE	O
BLUE	L	PINK	P
BROWN	BR	RED	R
DARK BLUE	DL	SKY BLUE	SB
DARK GREEN	DG	TAN	T
GRAY	GY	VIOLET	V
GREEN	G	WHITE	W
LIGHT BLUE	LB	YELLOW	Y
LIGHT GREEN	LG		

SYMBOLS

Symbol	Meaning	Symbol	Meaning
Battery 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Ground (2) indicates point where component is grounded directly to body. 	Resistance 	<ul style="list-style-type: none"> A resistor with a constant value. Mainly used to protect electrical components in circuits by maintaining rated voltage.
Ground (3) 	Remarks <ul style="list-style-type: none"> Current will not flow through a circuit if ground is faulty. 	Motor 	<ul style="list-style-type: none"> Converts electrical energy into mechanical energy.

Symbol	Meaning	Symbol	Meaning
Fuse 	<ul style="list-style-type: none"> Melts when current flow exceeds that specified for circuit, interrupts current flow. <p>Precautions</p> <ul style="list-style-type: none"> Do not replace with fuses exceeding specified capacity. <p><Blade type> <Tube type></p>  <p><Cartridge type> <Fusible link></p> 	Pump 	<ul style="list-style-type: none"> Pulls in and discharges gases and liquids.
Fuse (For high current fuse)/ Fusible link 		Cigarette lighter 	<ul style="list-style-type: none"> Electrical coil that generates heat.
		Accessory socket 	<ul style="list-style-type: none"> Interior power supply.
Transistor (1)  <p>Collector (C) Base (B) Emitter (E)</p> <p>NPN</p> 	<ul style="list-style-type: none"> Electrical switching component. Turns on when voltage is applied to the base (B). 	Horn 	<ul style="list-style-type: none"> Generates sound when current flows.
Transistor (2)  <p>Collector (C) Base (B) Emitter (E)</p> <p>PNP</p> <p>2 S C 828 A — Revision mark</p> <p>Semiconductor Number of terminals</p> <p>A: High-frequency PNP B: Low-frequency PNP C: High-frequency NPN D: Low-frequency NPN</p>	<ul style="list-style-type: none"> Reading code. 	Speaker 	
		Heater 	<ul style="list-style-type: none"> Generates heat when current flows.
Switch (1)  <p>Normally open</p>	<ul style="list-style-type: none"> Allows or breaks current flow by opening and closing circuits. 	Ignition switch 	<ul style="list-style-type: none"> Turning ignition key switches circuit to operate various component. <p>(NOTE) Ignition switch is called engine switch on diesel vehicles.</p>
Switch (2)  <p>Normally closed</p>		Harness Connection  <p>When circuit C-D is connected to circuit A-B, the connection D is indicated by a black dot.</p>	
Autostop switch 	<ul style="list-style-type: none"> Automatically shuts off circuit when certain conditions are met. 	Selection  <p>Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.</p>	<p>For vehicles with ABS, use the A-B circuit.</p>  <p>WITH ABS</p> <p>For vehicles without ABS, use the C-B circuit.</p>  <p>WITHOUT ABS</p>
Relay (1)  <p>Normally open</p>	<ul style="list-style-type: none"> Current flowing through coil produces electromagnetic force causing contact to open or close. <p>No current to coil</p>  <p>No flow</p> <p>Current to coil</p>  <p>Flow</p>		

Symbol	Meaning	Symbol	Meaning
Relay (2)  Normally closed	<ul style="list-style-type: none"> Current flowing through coil produces electromagnetic force causing contact to close. <div> No current to coil  Flow </div> <div> Current to coil  No flow </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 </div> <div>  </div>
Sensor (3) 	<ul style="list-style-type: none"> A resistor whose resistance variation according to temperature variation. When temperature increases, resistance decreases. 		
Sensor (4) 	<ul style="list-style-type: none"> Detects pulse signals from rotating object. 	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> <div>  </div>
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
Extent of the change in the wiring position (1) <div>   </div>	<ul style="list-style-type: none"> The wiring position can be exchanged freely within the connector.
Extent of the change in the wiring position (2) <div>   </div>	<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
Extent of the change in the wiring position (3) <div>   </div>	<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
DSC	DYNAMIC STABILITY CONTROL
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

Reading Wiring Diagrams

00R

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
O2S	OXYGEN SENSOR
OBD	ON-BOARD DIAGNOSTIC
O/D	OVER DRIVE
OFF	SWITCH OFF
ON	SWITCH ON
OSC	OSCILLATOR
P	POWER
P/S	POWER STEERING
PCM	POWERTRAIN CONTROL MODULE
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
RES	REAR ENTERTAINMENT SYSTEM
RF	RIGHT FRONT
RH	RIGHT HAND
RPM	REVOLUTIONS PER MINUTE
RR	RIGHT REAR
SAS	SOPHISTICATED AIR BAG SENSOR
SFI	SEQUENTIAL MULTIPPOINT FUEL INJECTION
SOL	SOLENOID
SPV	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

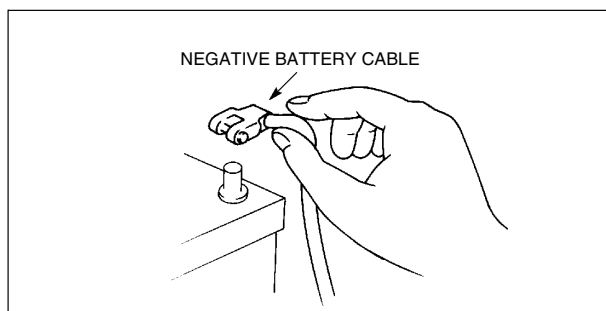
00P Electrical System General Procedures

ELECTRICAL PARTS

B6U00000006W03

Battery Cable

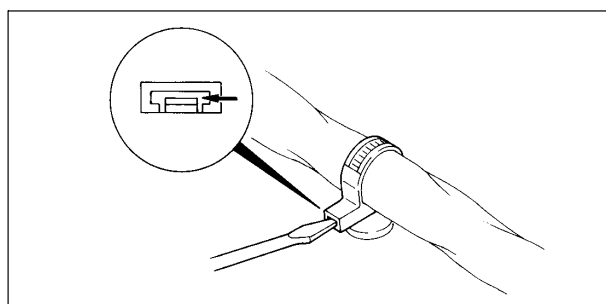
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

Wiring Harness

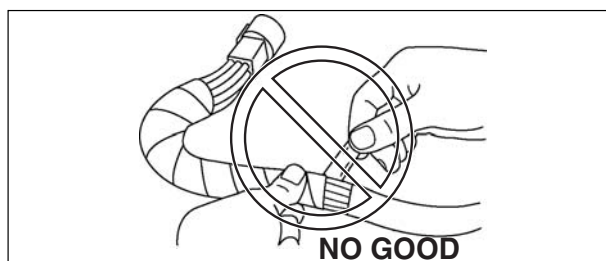
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



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

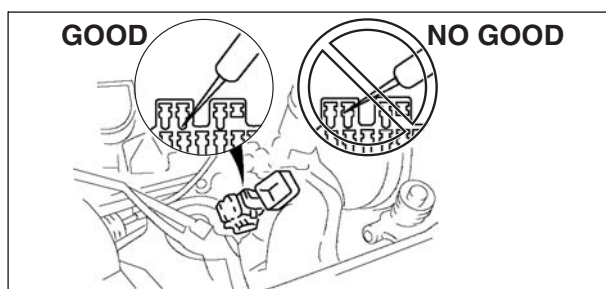
CONNECTORS

Data Link Connector

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

Caution

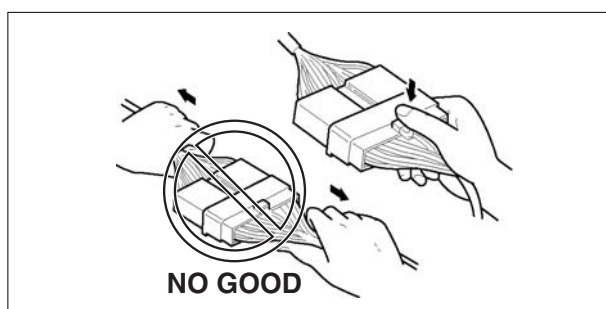
- Inserting a jumper wire probe into the data link connector terminal may damage the terminal.



X3U000WAY

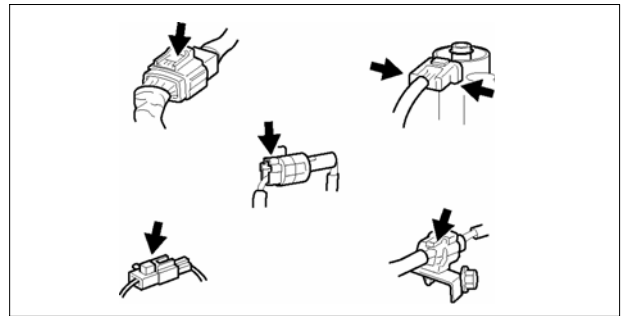
Disconnecting Connectors

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



WGIWXX0041E

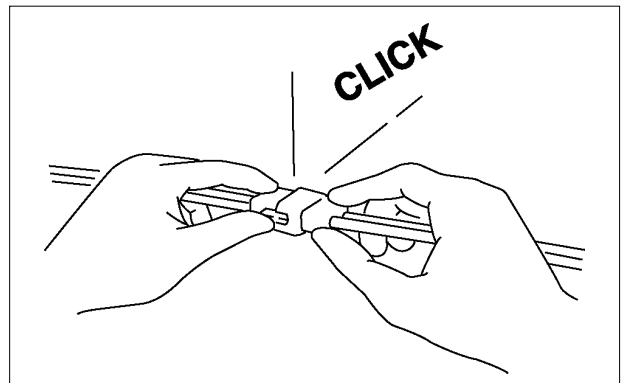
- Connectors can be disconnected by pressing or pulling the lock lever as shown.



WGIWXX0042E

Locking Connector

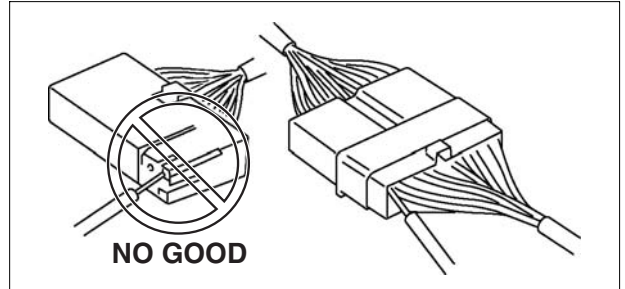
- When locking connectors, listen for a click indicating they are securely locked.



X3U000WB1

Inspection

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

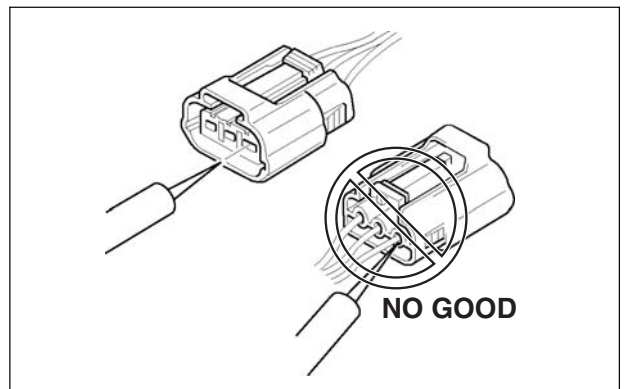


WGIWXX0044E

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

Caution

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



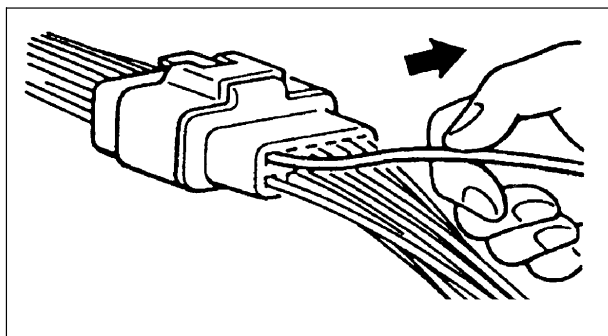
WGIWXX0045E

00P Electrical System General Procedures

Terminals

Inspection

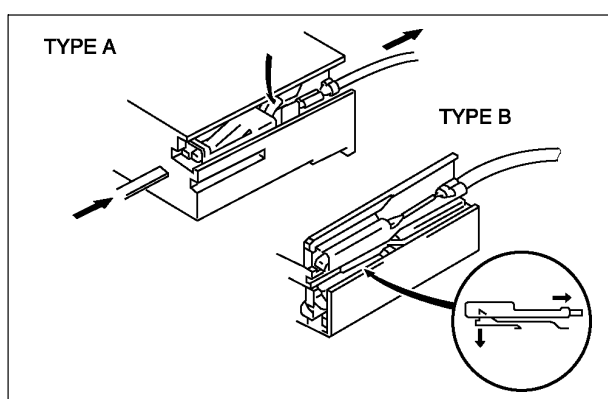
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

Replacement

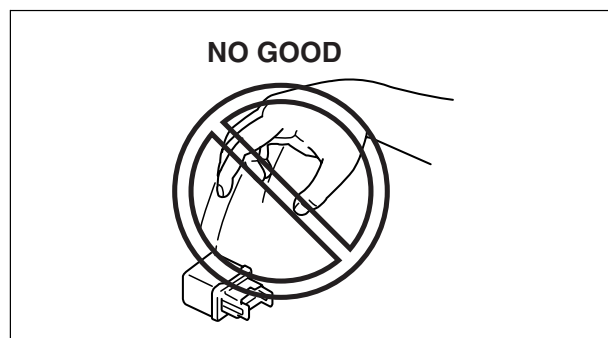
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

Sensors, Switches, And Relays

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

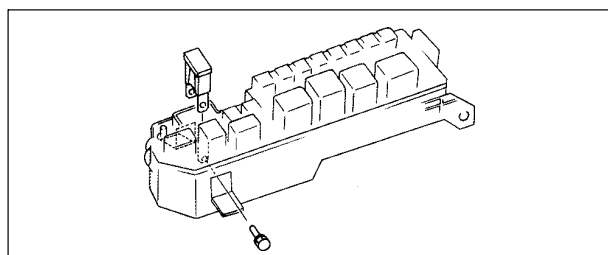


X3U000WB6

Fuse

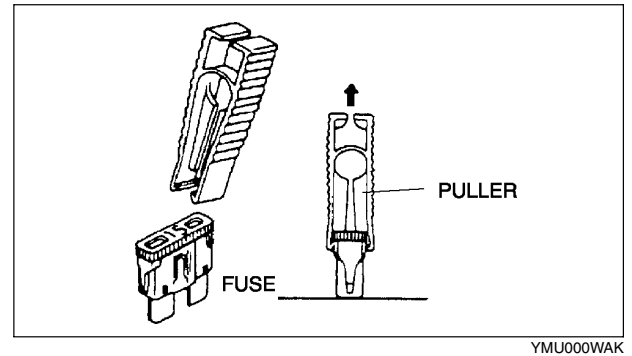
Replacement

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



YMU000WA1

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



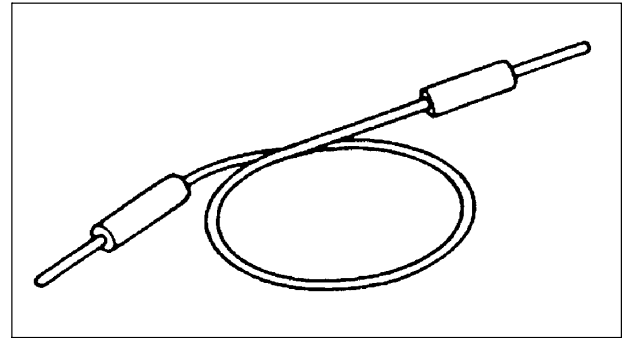
ELECTRICAL TROUBLESHOOTING TOOLS

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.

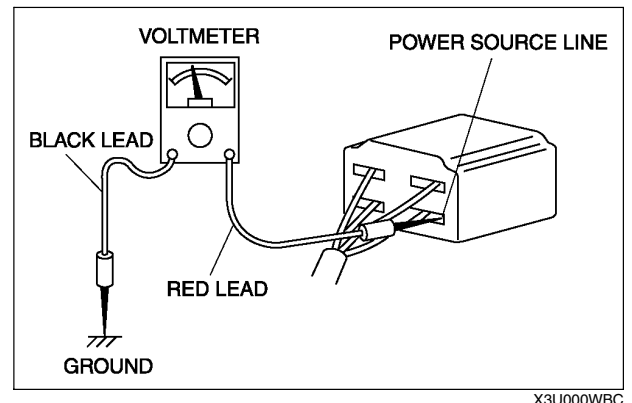
Caution

- **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.

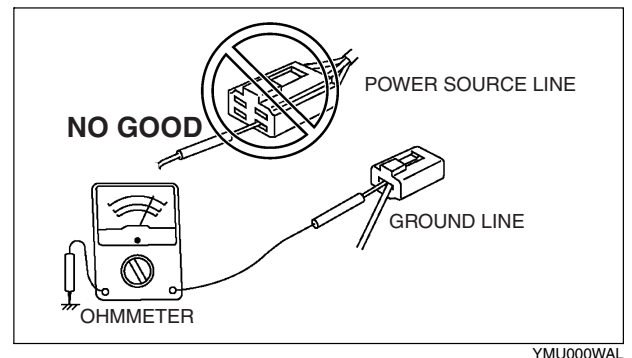


Ohmmeter

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

Caution

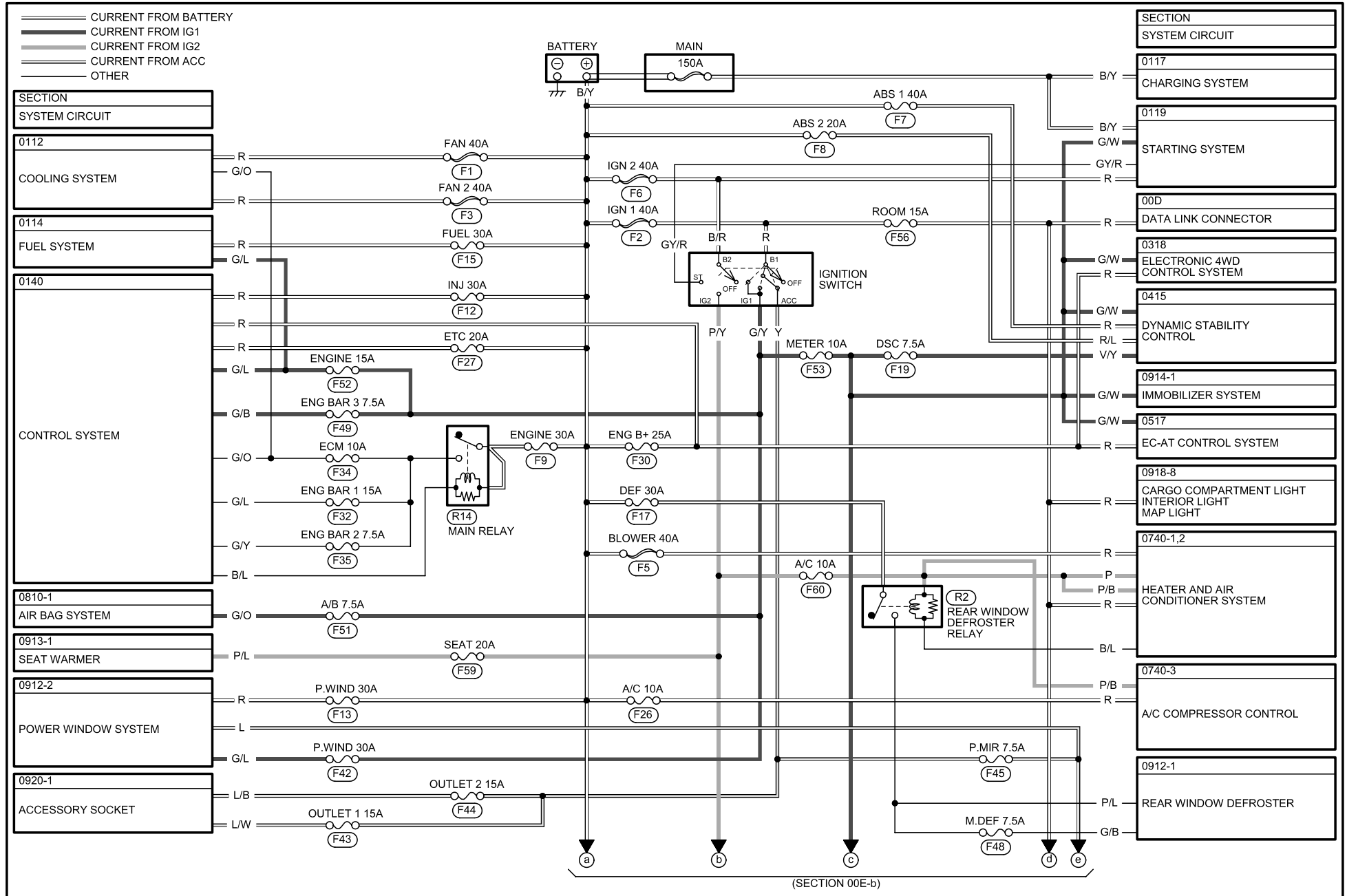
- **Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.**



ELECTRICAL WIRING SCHEMATIC

00E-a

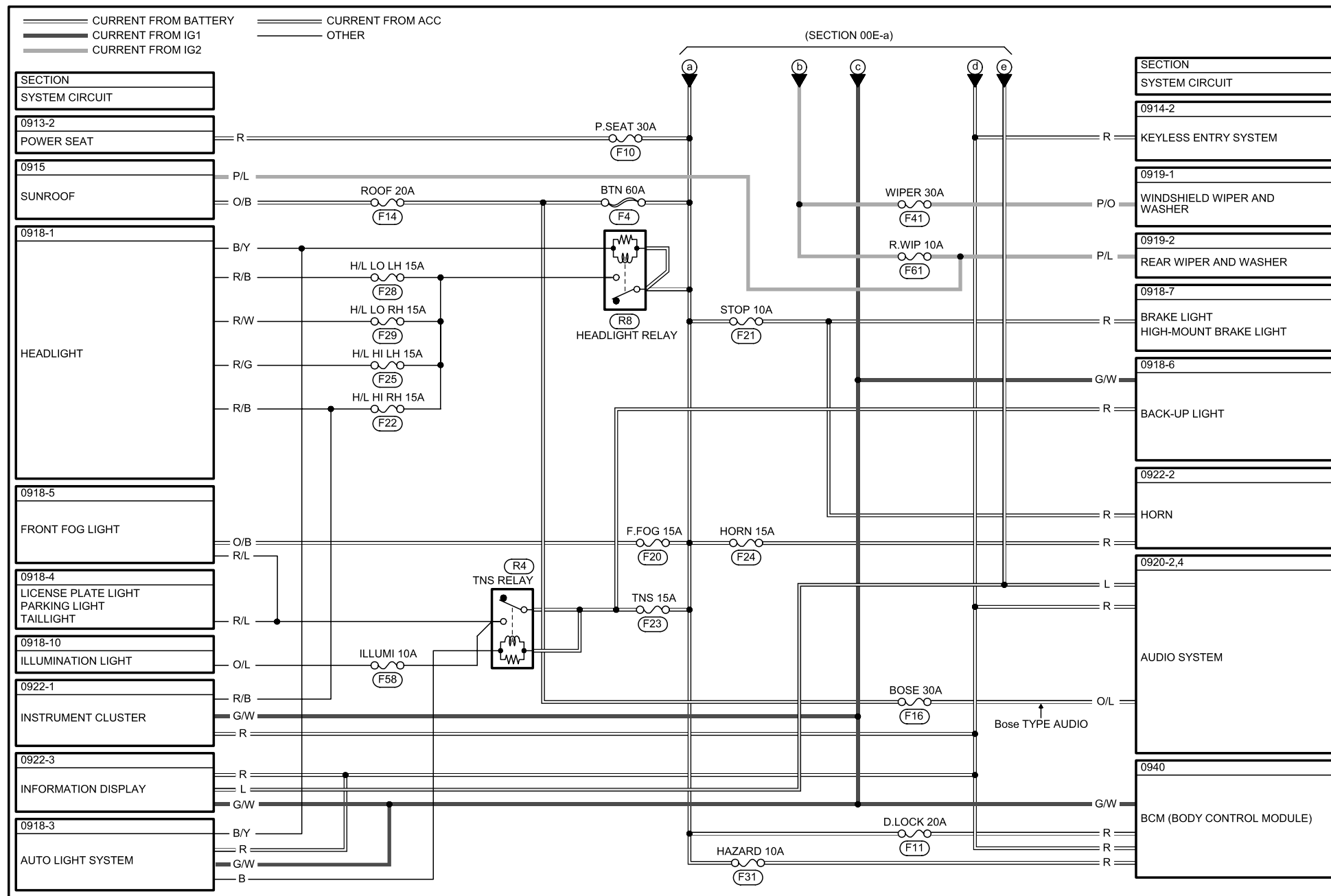
18



ELECTRICAL WIRING SCHEMATIC

00E-b

19



FUSE BOX



FUSE BOX

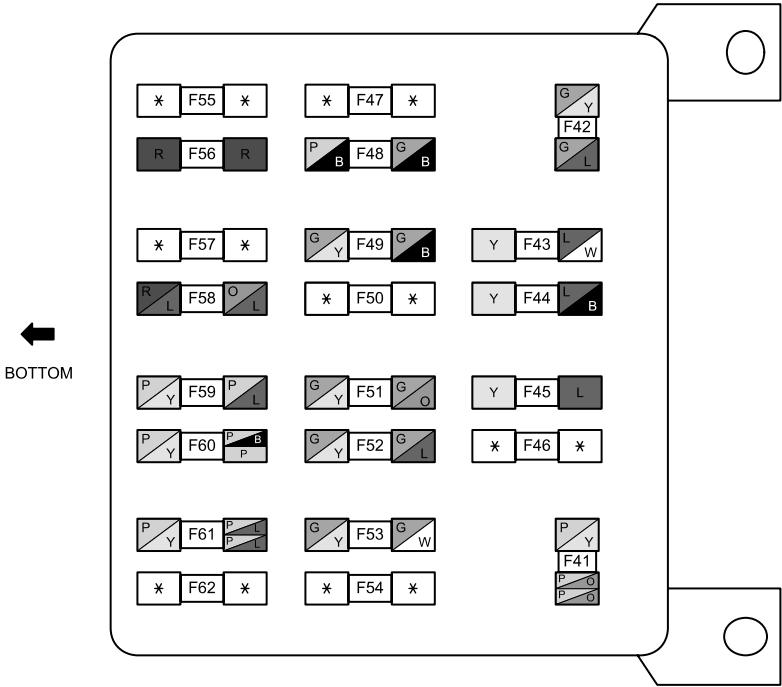
FUSE BOX

FUSE BOX

FUSE BOX

00F-b

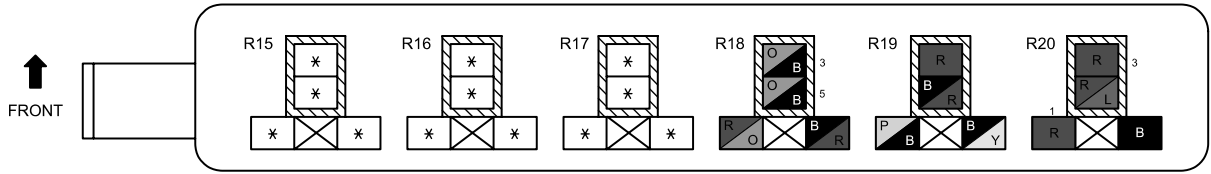
F-02
FUSE BLOCK



NO.	FUSE NAME	FUSE	NO.	FUSE NAME	FUSE
F41	WIPER	30A	F52	ENGINE	15A
F42	P.WIND	30A	F53	METER	10A
F43	OUTLET 1	15A	F54	<SIREN>	<5A>
F44	[OUTLET 2]	[15A]	F55	*	*
F45	P.MIR	7.5A	F56	ROOM	15A
F46	<H/CLEAN>	<15A>	F57	*	*
F47	*	*	F58	ILLUMI	10A
F48	[M.DEF]	[7.5A]	F59	[SEAT]	[20A]
F49	ENG BAR 3	7.5A	F60	A/C	10A
F50	<P.WIN IG>	<15A>	F61	R.WIP	10A
F51	A/B	7.5A	F62	<R.FOG>	<10A>

[] IF EQUIPPED
< > NOT USED

F-03
RELAY BOX

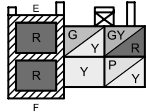


NO.	RELAY NAME	NO.	RELAY NAME
R15	*	R18	[FRONT FOG LIGHT RELAY {F.FOG}]
R16	* {R.FOG}	R19	A/C RELAY {A/C}
R17	* {STOP}	R20	HORN RELAY {HORN}

{ } NAME INDICATED ON FUSE BOX COVER
[] IF EQUIPPED

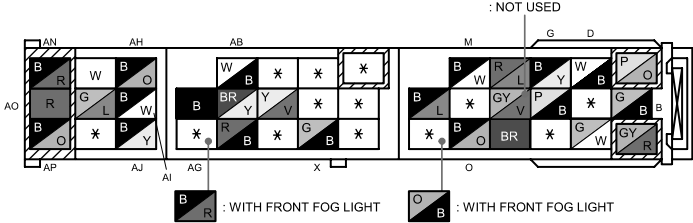
COMMON CONNECTOR LIST

C-01
IGNITION SWITCH

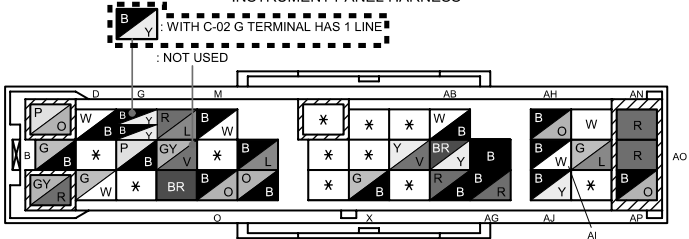


C-02
FRONT HARNESS-INSTRUMENT PANEL HARNESS

FRONT HARNESS

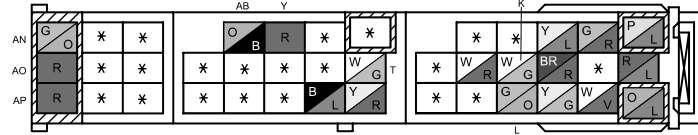


INSTRUMENT PANEL HARNESS

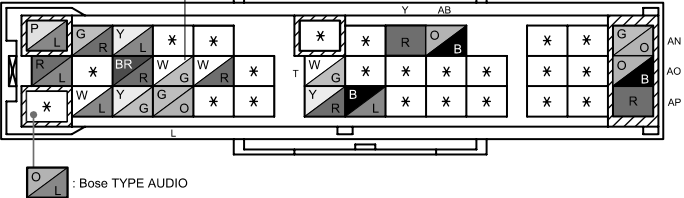


C-03
FRONT HARNESS-REAR HARNESS

FRONT HARNESS

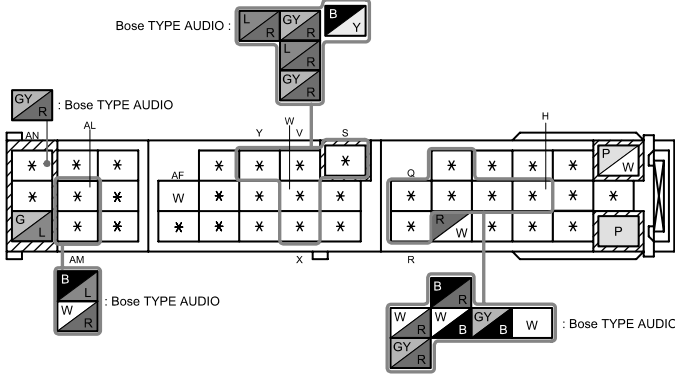


REAR HARNESS

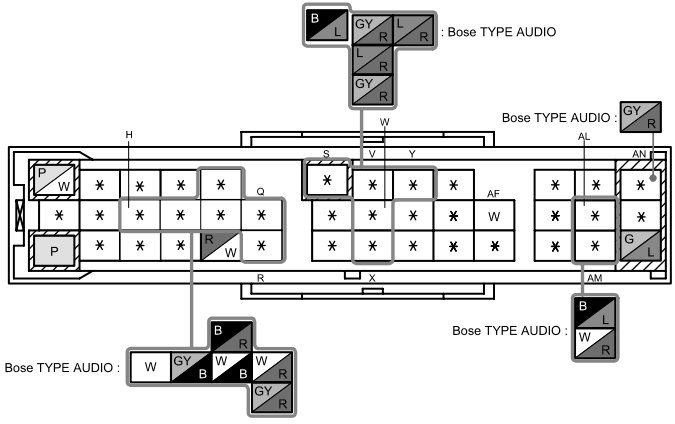


C-04
INSTRUMENT PANEL HARNESS-REAR HARNESS

INSTRUMENT PANEL HARNESS

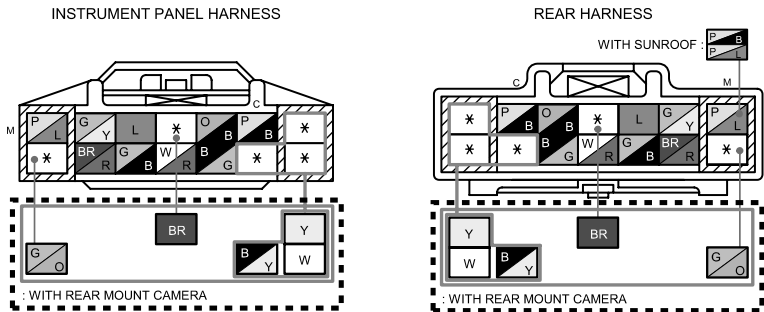


REAR HARNESS

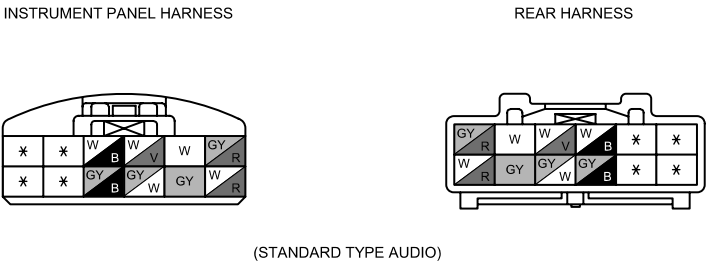


COMMON CONNECTOR LIST

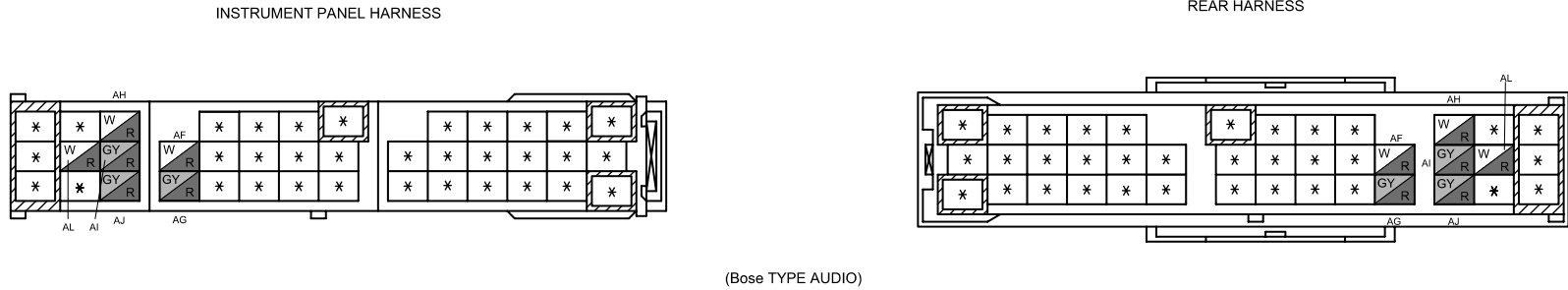
C-05
INSTRUMENT PANEL HARNESS-REAR HARNESS



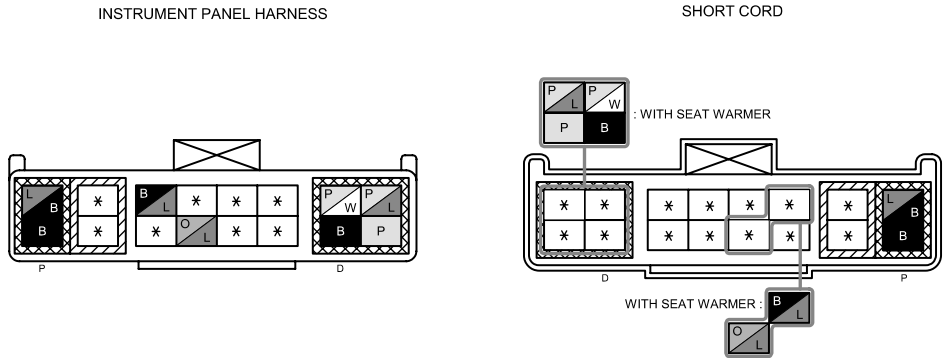
C-06
INSTRUMENT PANEL HARNESS-REAR HARNESS



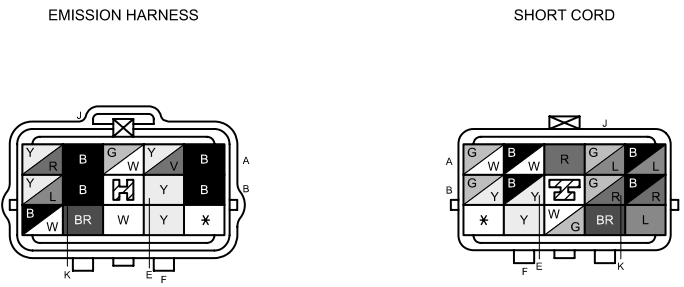
C-07
INSTRUMENT PANEL HARNESS-REAR HARNESS



C-08
INSTRUMENT PANEL HARNESS-SHORT CORD



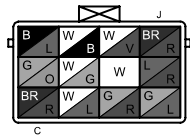
C-09
EMISSION HARNESS-SHORT CORD



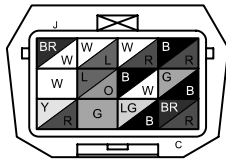
COMMON CONNECTOR LIST

C-10
EMISSION HARNESS-SHORT CORD

EMISSION HARNESS

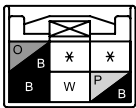


SHORT CORD

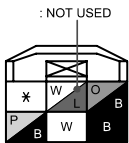


C-11
REAR HARNESS-INTERIOR LIGHT NO.2 HARNESS

REAR HARNESS

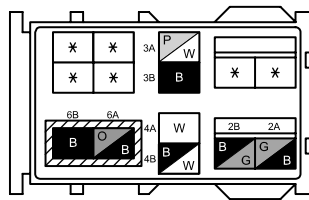


INTERIOR LIGHT NO.2 HARNESS

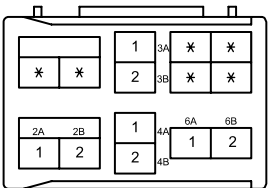


C-12
REAR HARNESS-SHORT CORD

REAR HARNESS



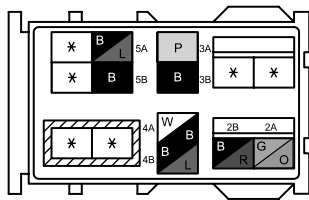
SHORT CORD



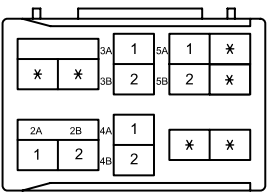
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

C-13
REAR HARNESS-SHORT CORD

REAR HARNESS



SHORT CORD

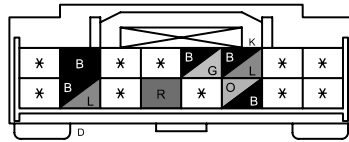


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

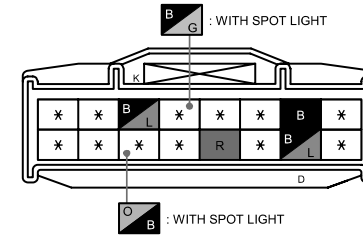
COMMON CONNECTOR LIST

C-14
REAR HARNESS-INTERIOR LIGHT HARNESS

REAR HARNESS

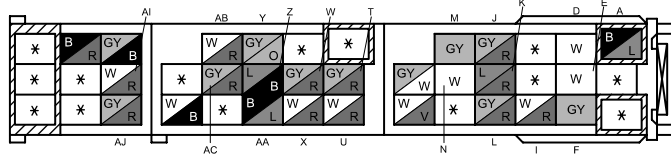


INTERIOR LIGHT HARNESS

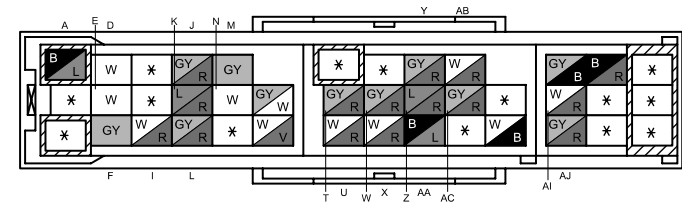


C-15
SHORT CONNECTOR

REAR HARNESS



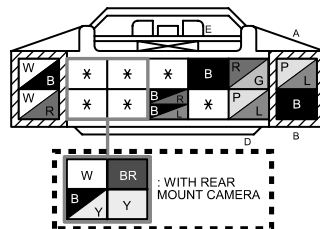
REAR HARNESS



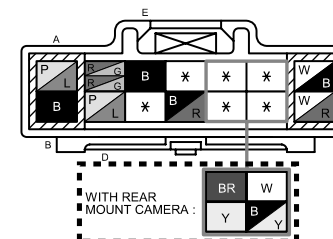
(Bose TYPE AUDIO)

C-16
REAR HARNESS-REAR NO.2 HARNESS

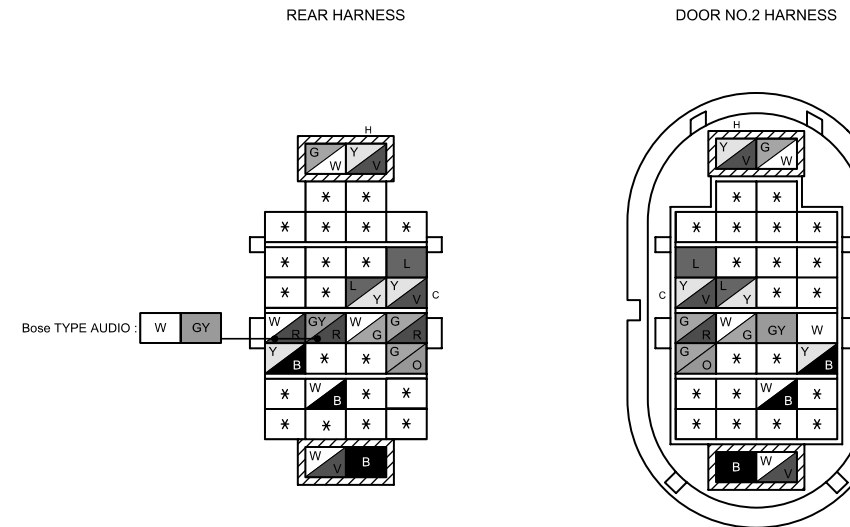
REAR HARNESS



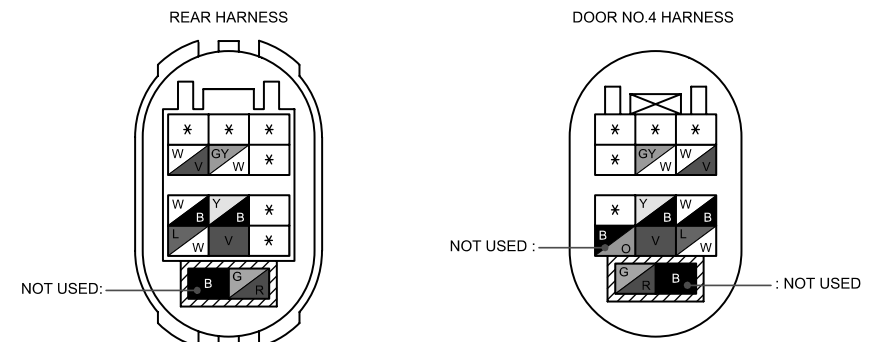
REAR NO.2 HARNESS



C-18
REAR HARNESS-DOOR NO.2 HARNESS



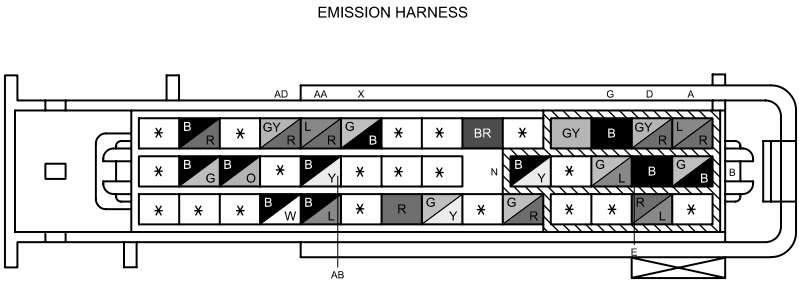
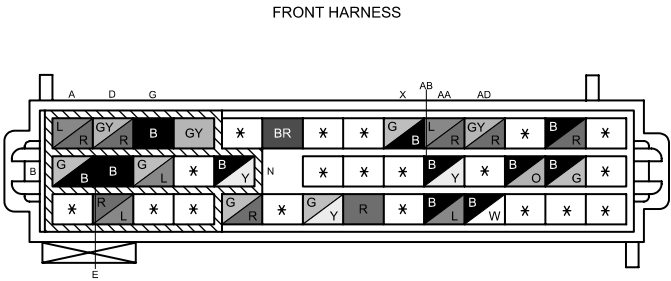
C-20
REAR HARNESS-DOOR NO.4 HARNESS



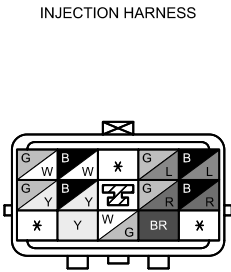
COMMON CONNECTOR LIST

00C-6

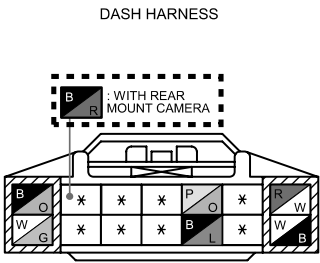
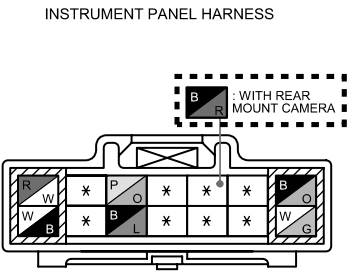
C-21
FRONT HARNESS-EMISSION HARNESS



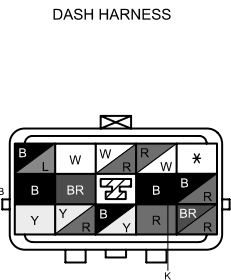
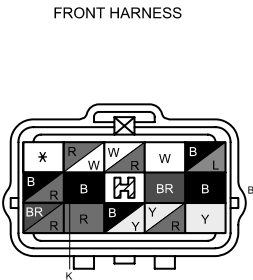
C-27
INJECTION HARNESS-SHORT CORD

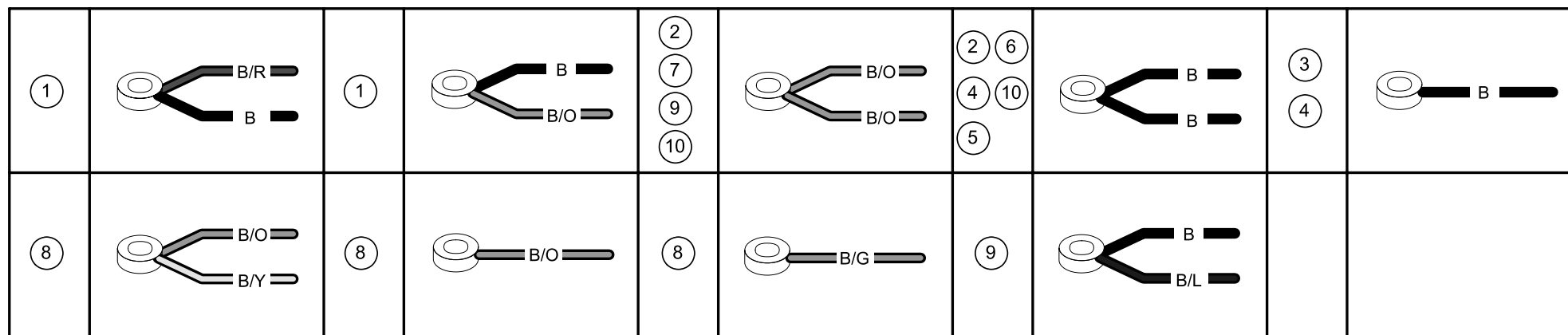


C-28
INSTRUMENT PANEL HARNESS-DASH HARNESS

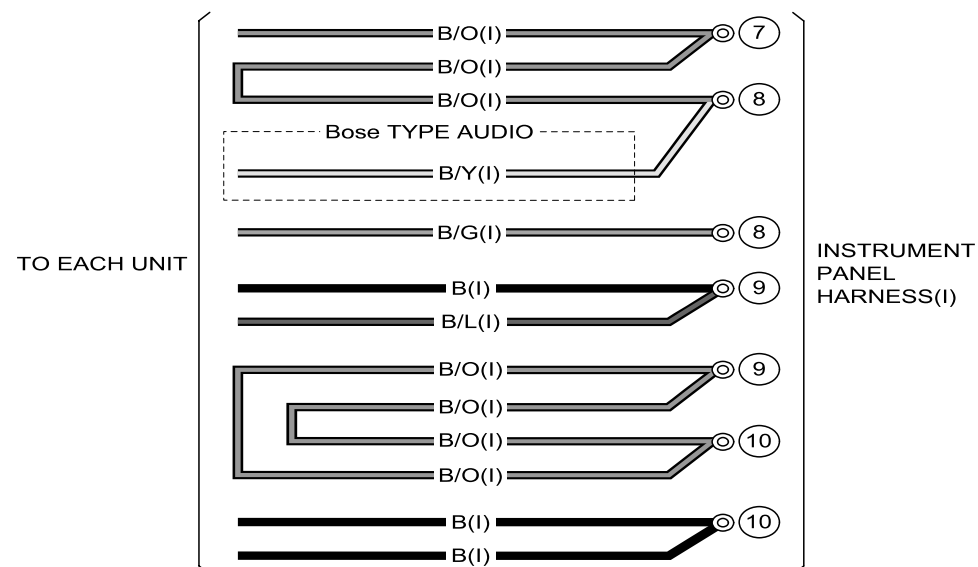
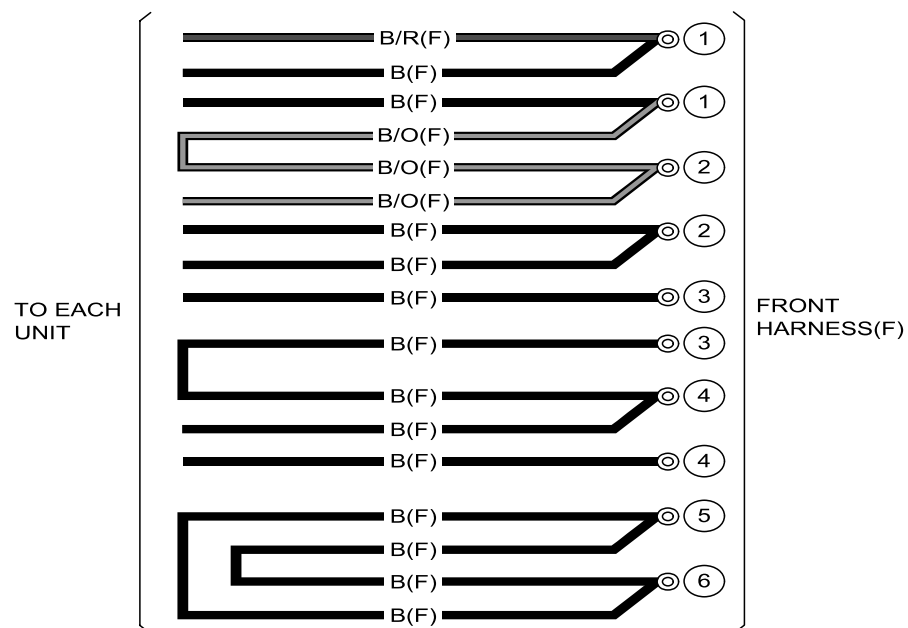


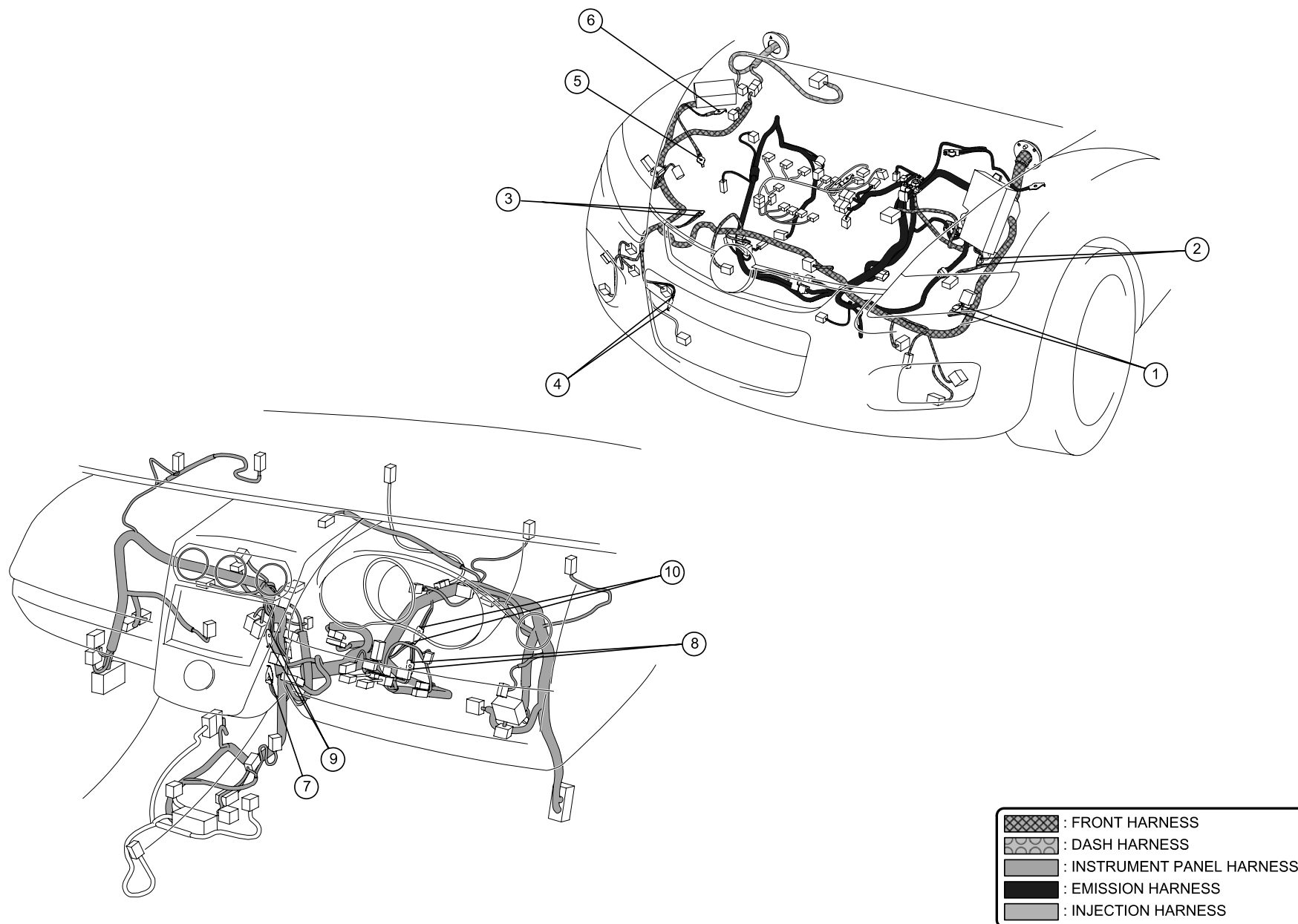
C-29
FRONT HARNESS-DASH HARNESS









28

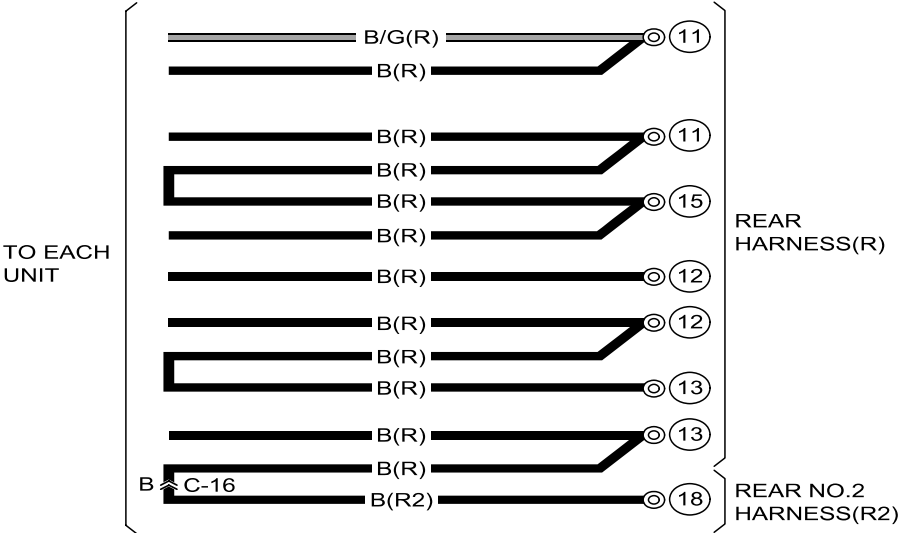


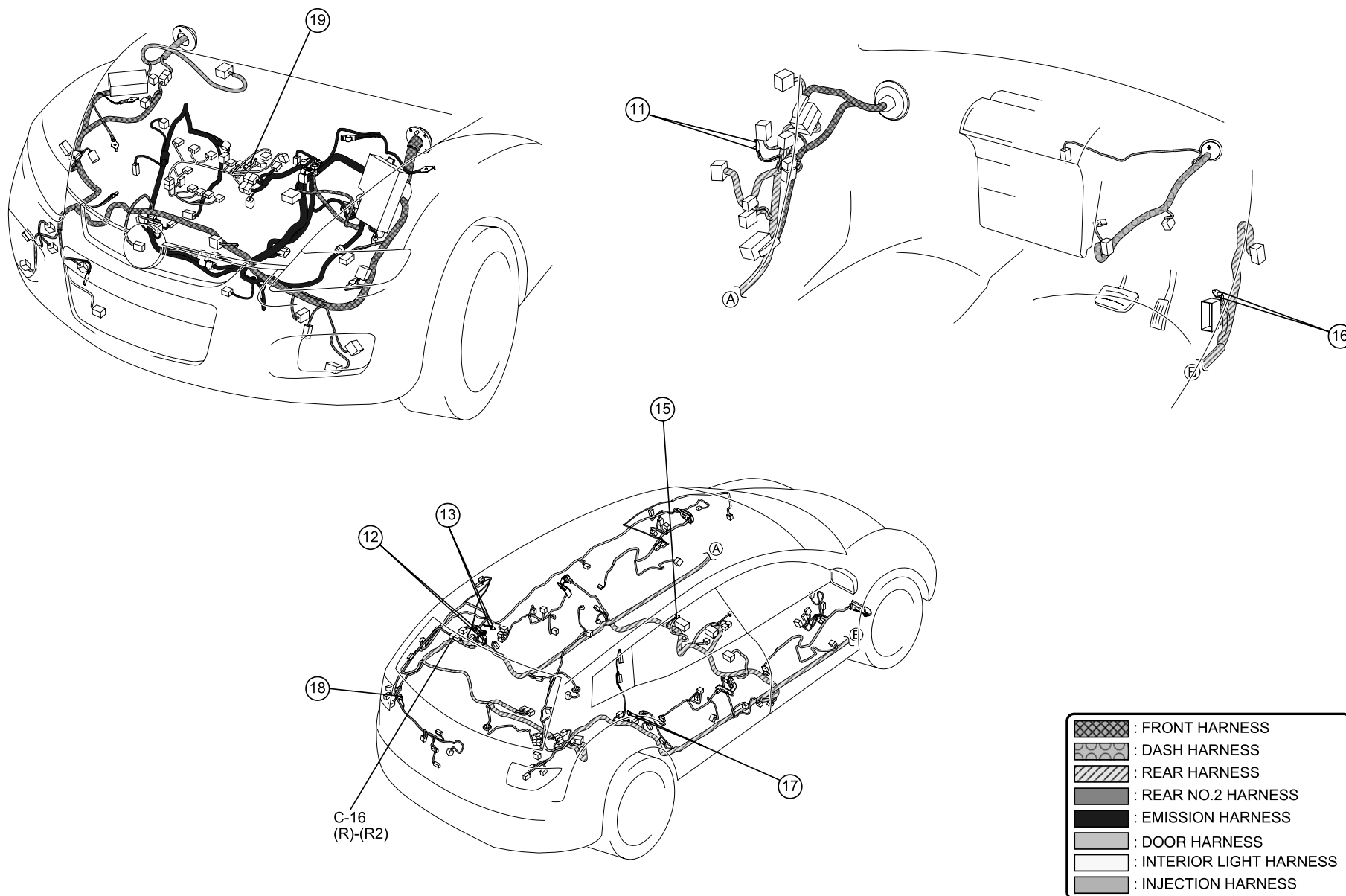


GROUND POINT

00G-b

11		11 12 13 15		12 17 13 18 16		19	

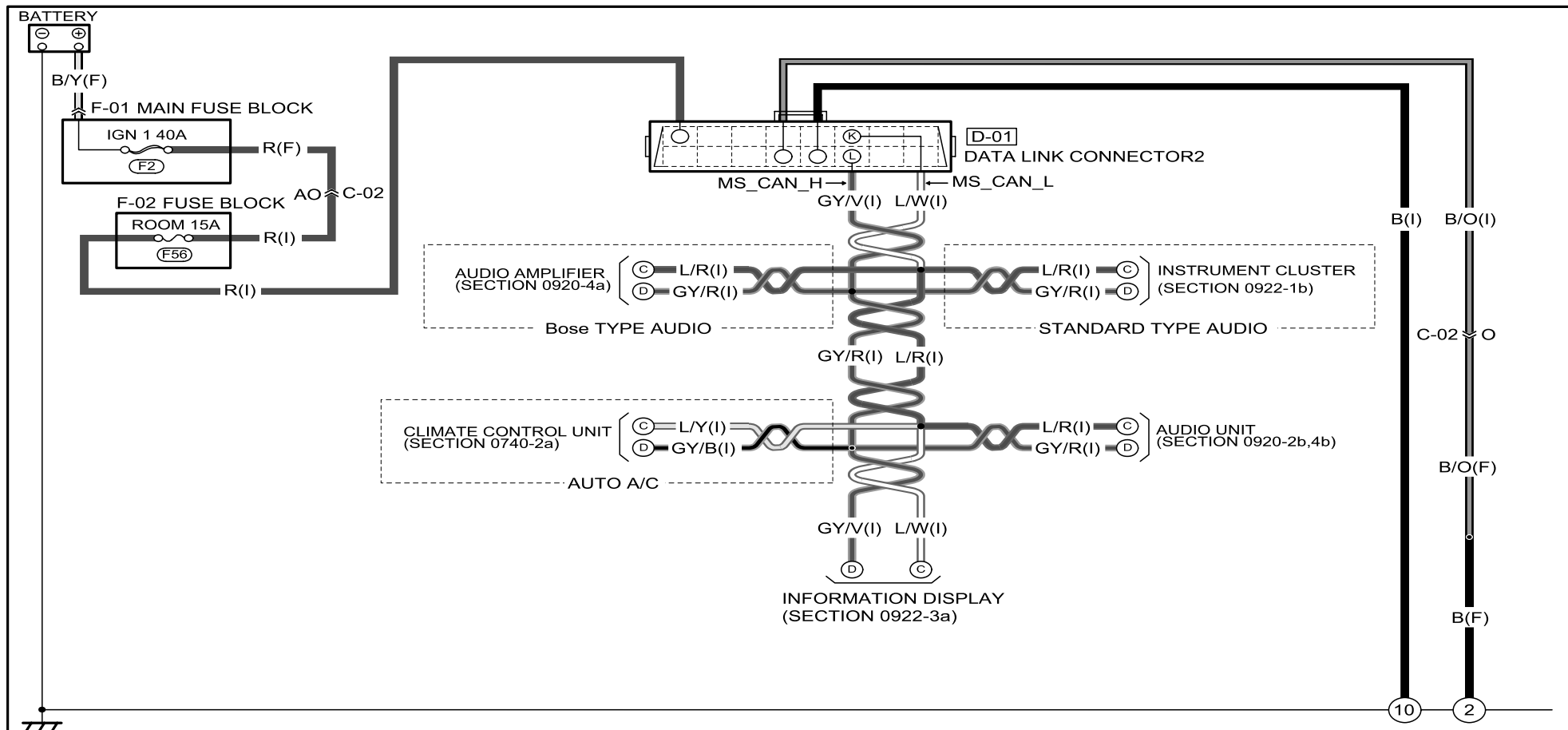




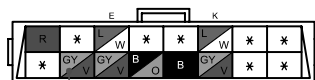
DATA LINK CONNECTOR

00D-a

32

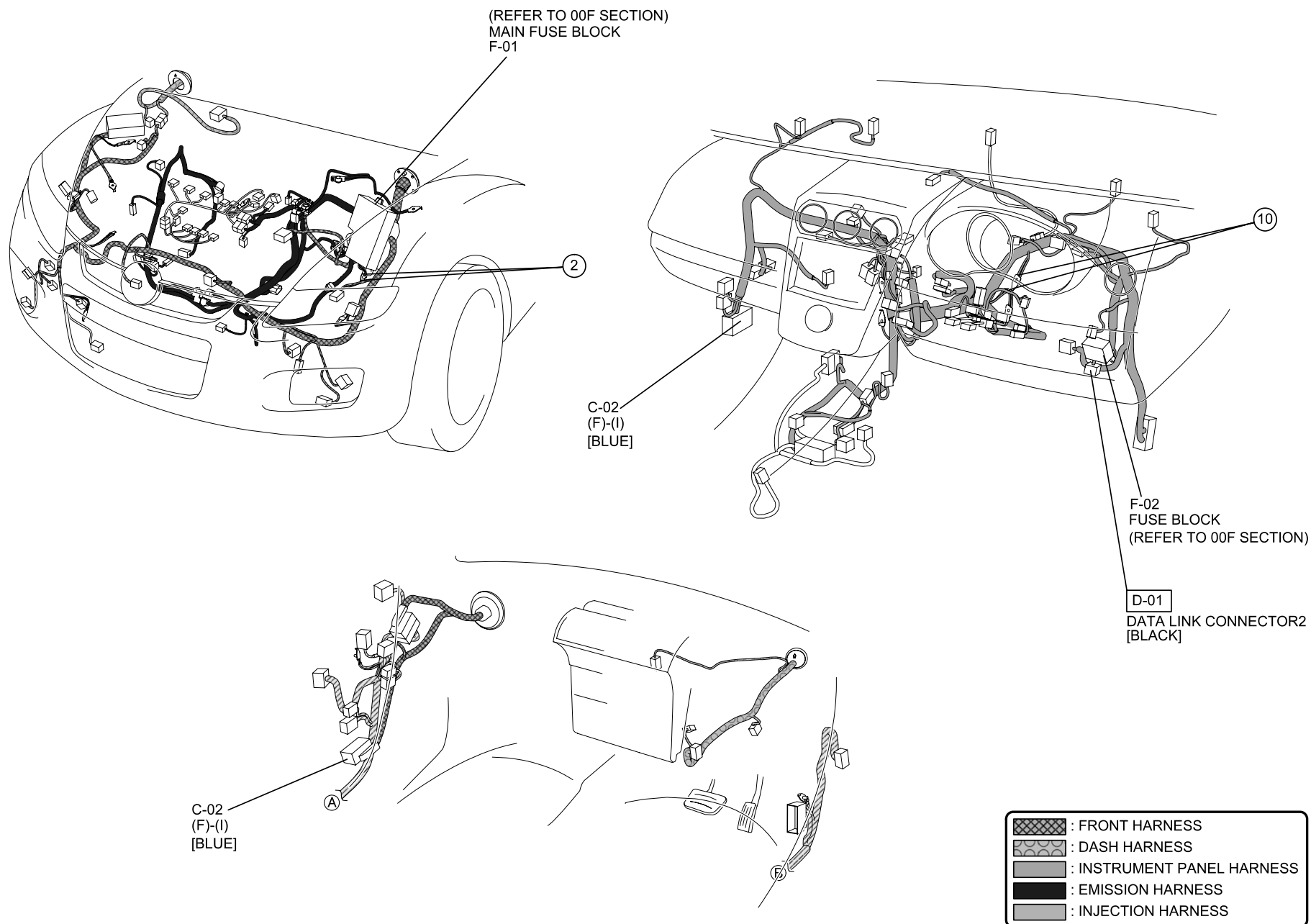


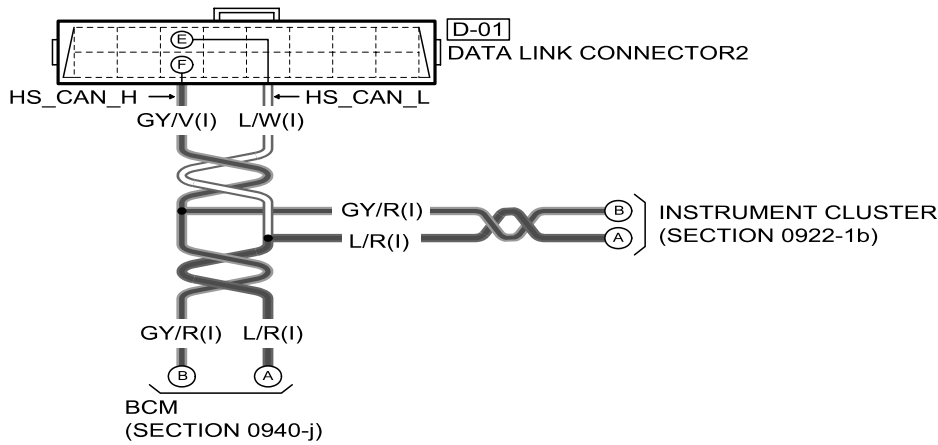
D-01
DATA LINK CONNECTOR2



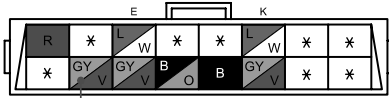
: NOT USED

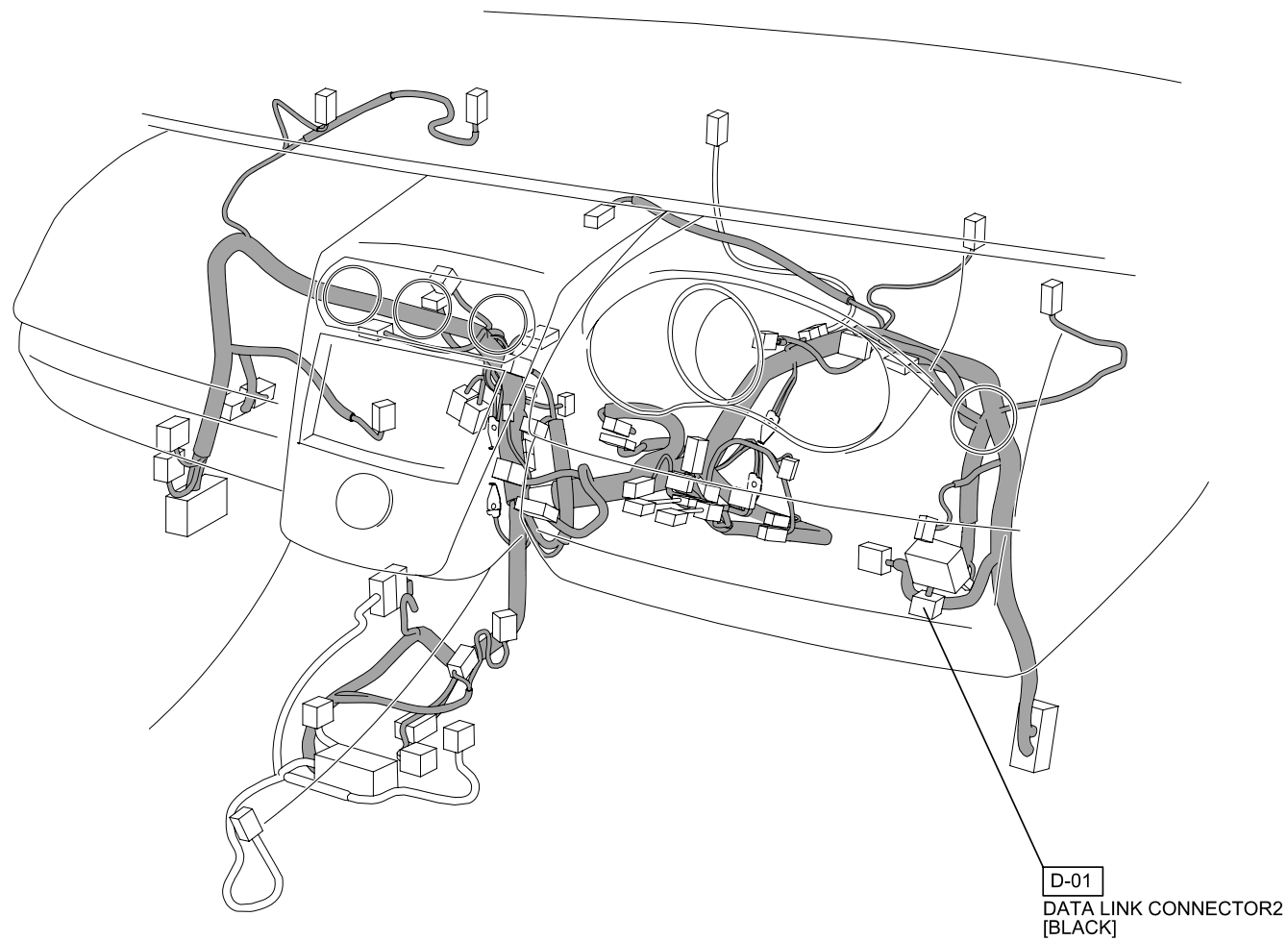
NOTE:SEEN FROM TERMINAL SIDE



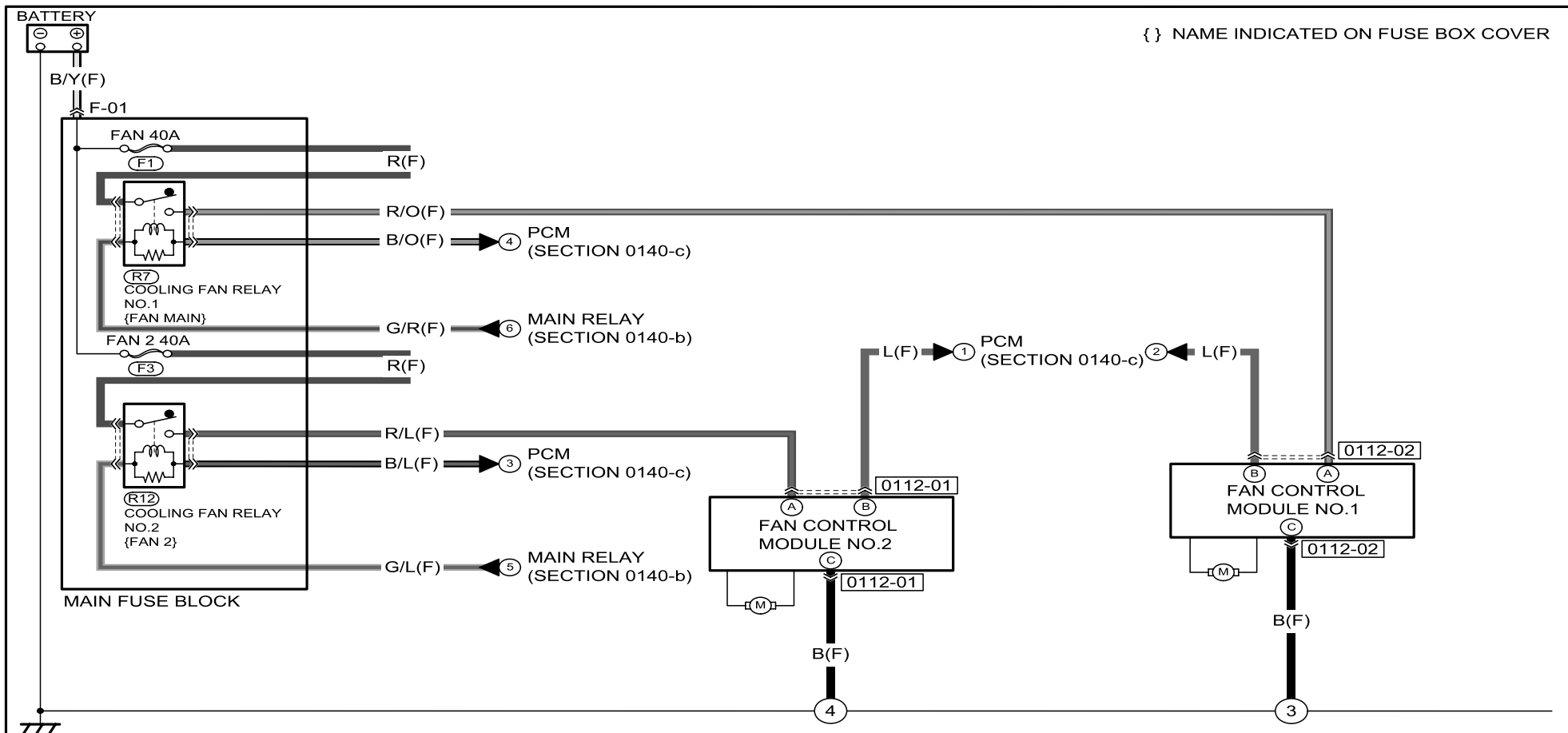


D-01
DATA LINK CONNECTOR2

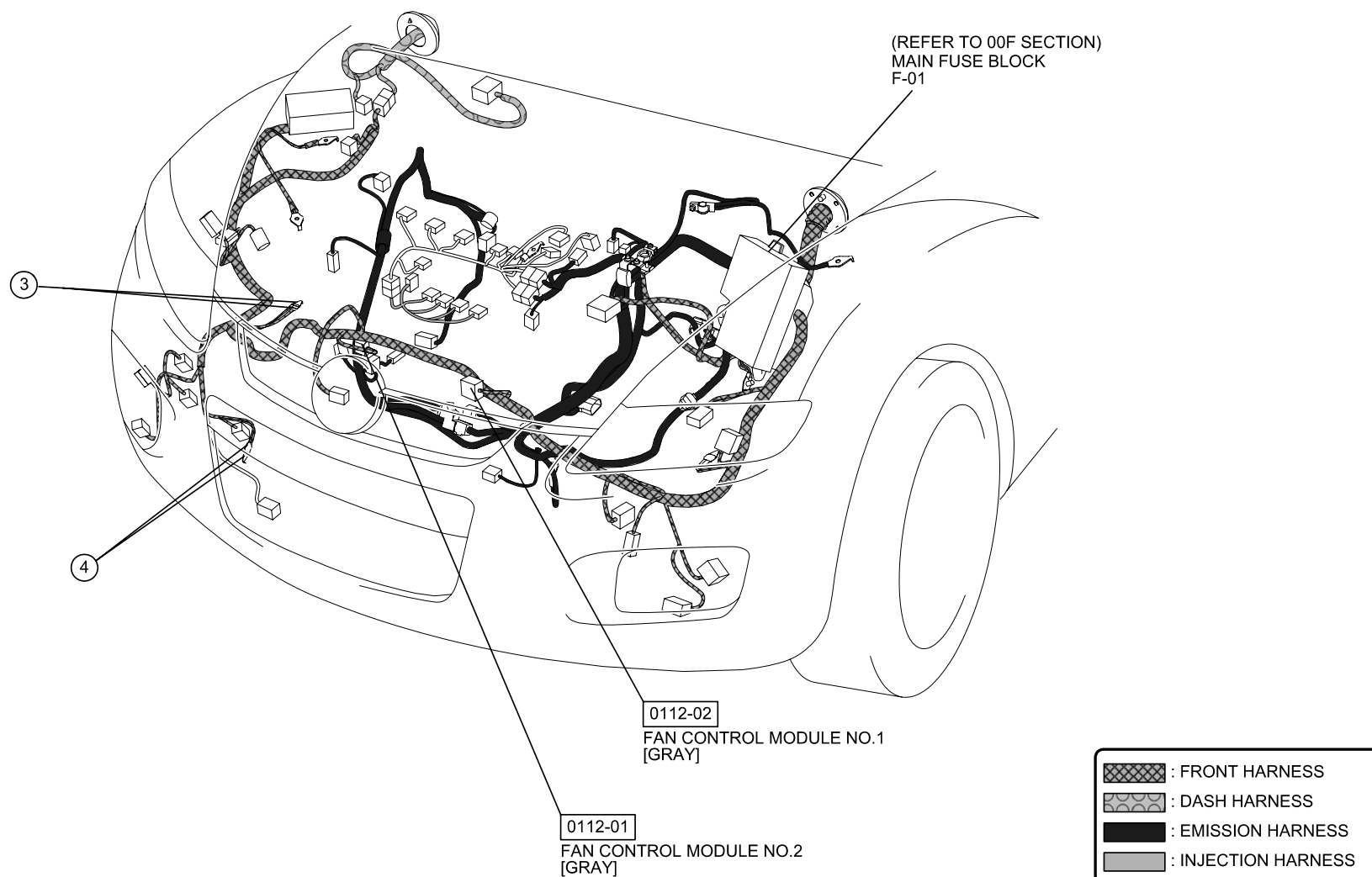


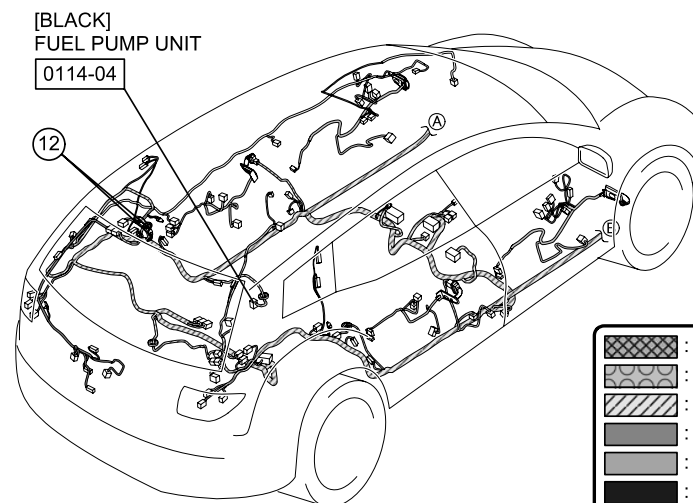
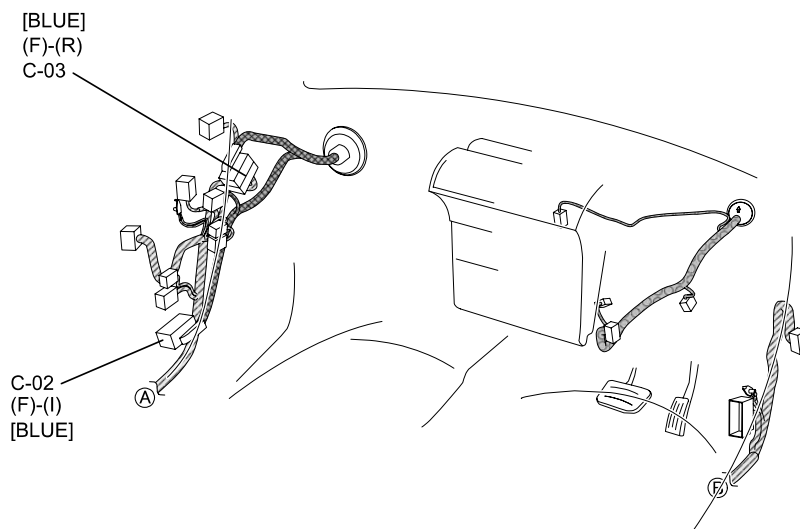
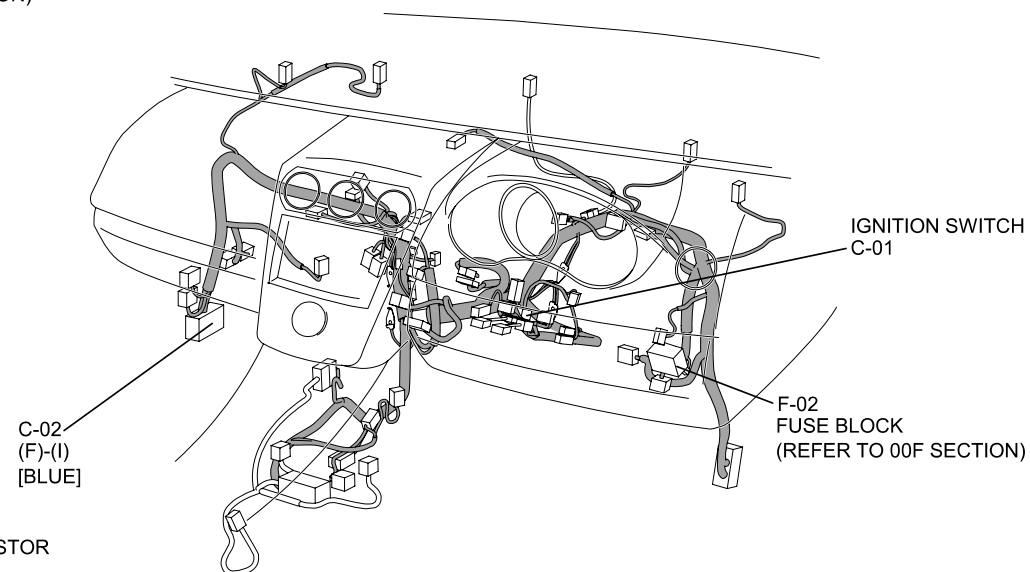
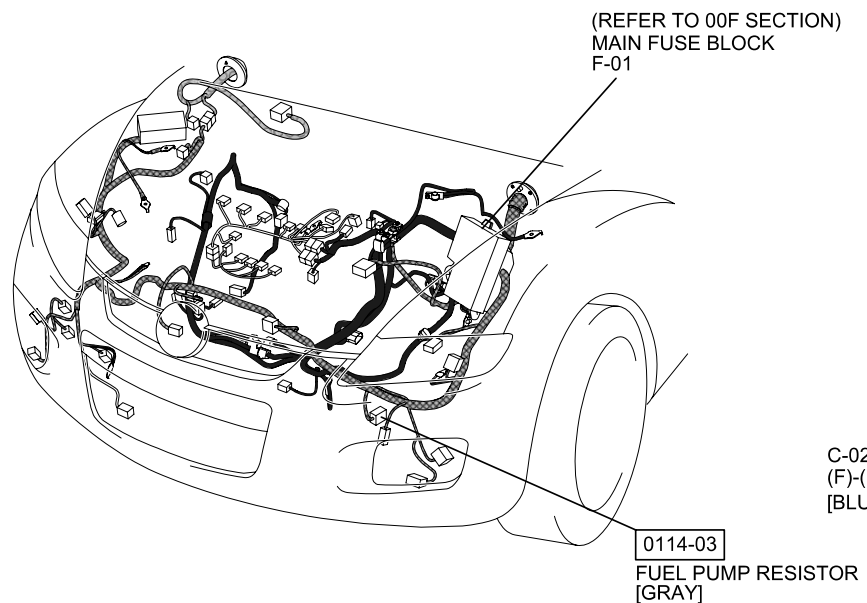


— : INSTRUMENT PANEL HARNESS

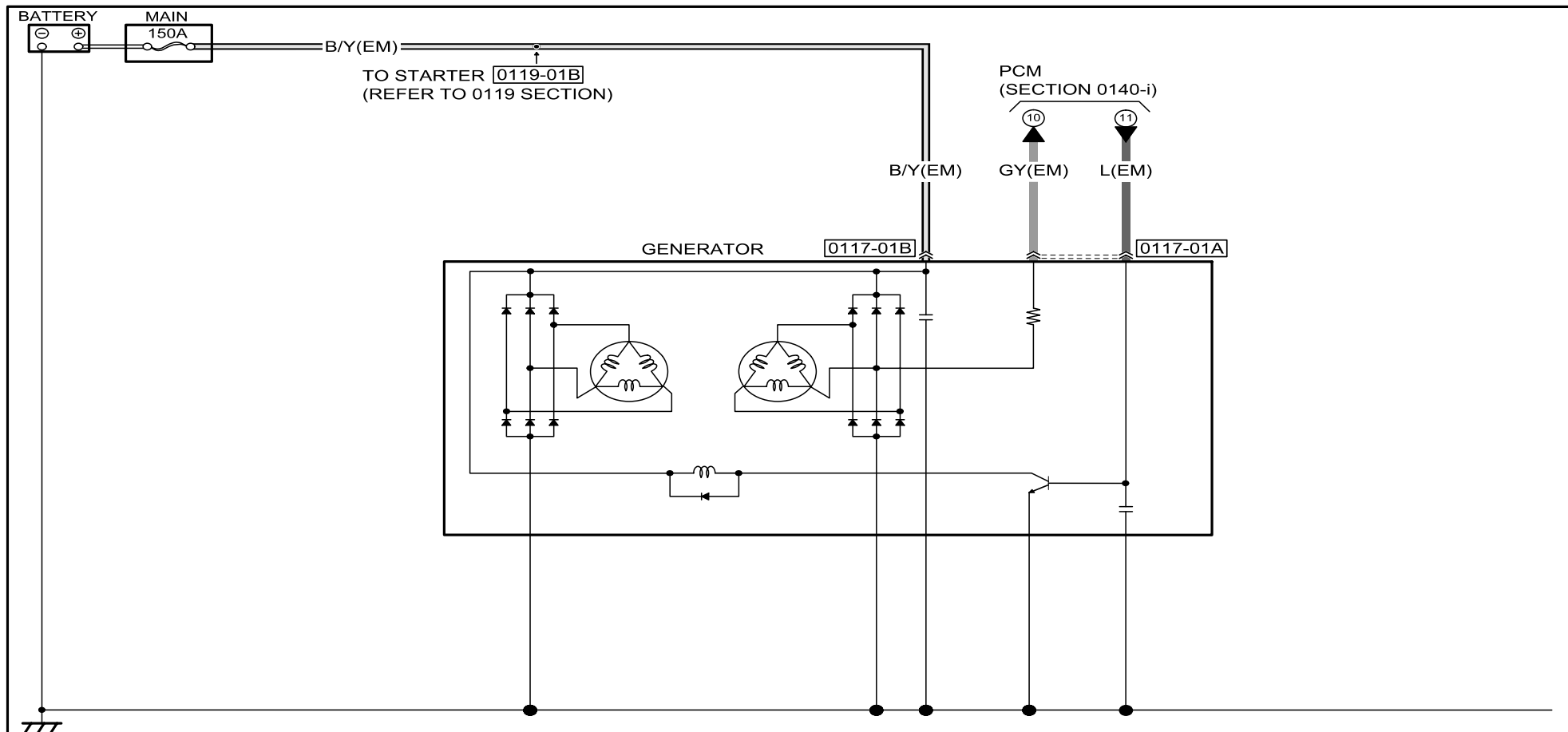



0112-01 FAN CONTROL MODULE NO.2		0112-02 FAN CONTROL MODULE NO.1			

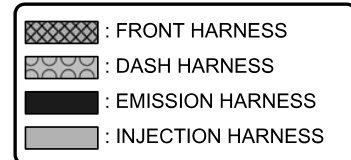
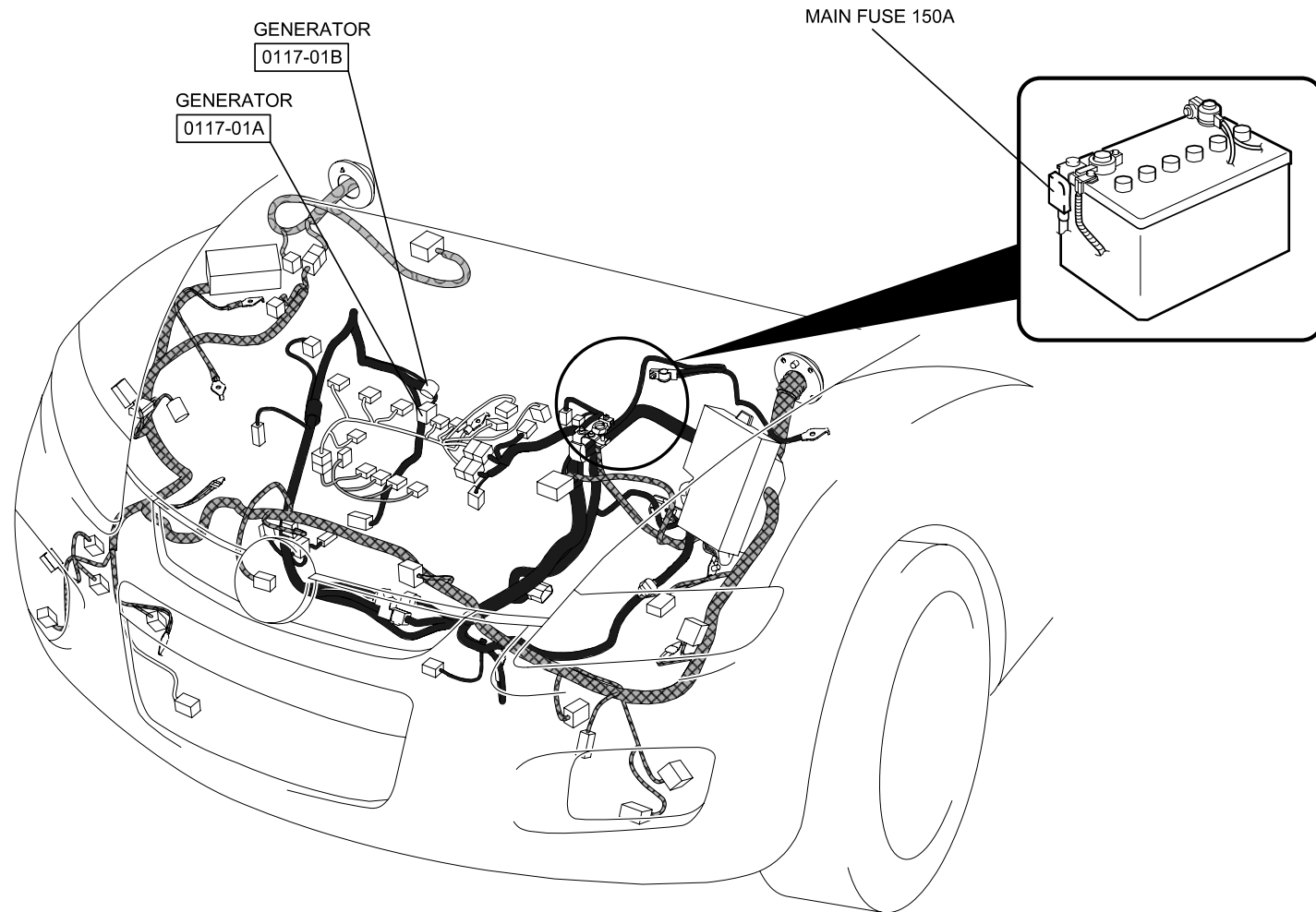




	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS

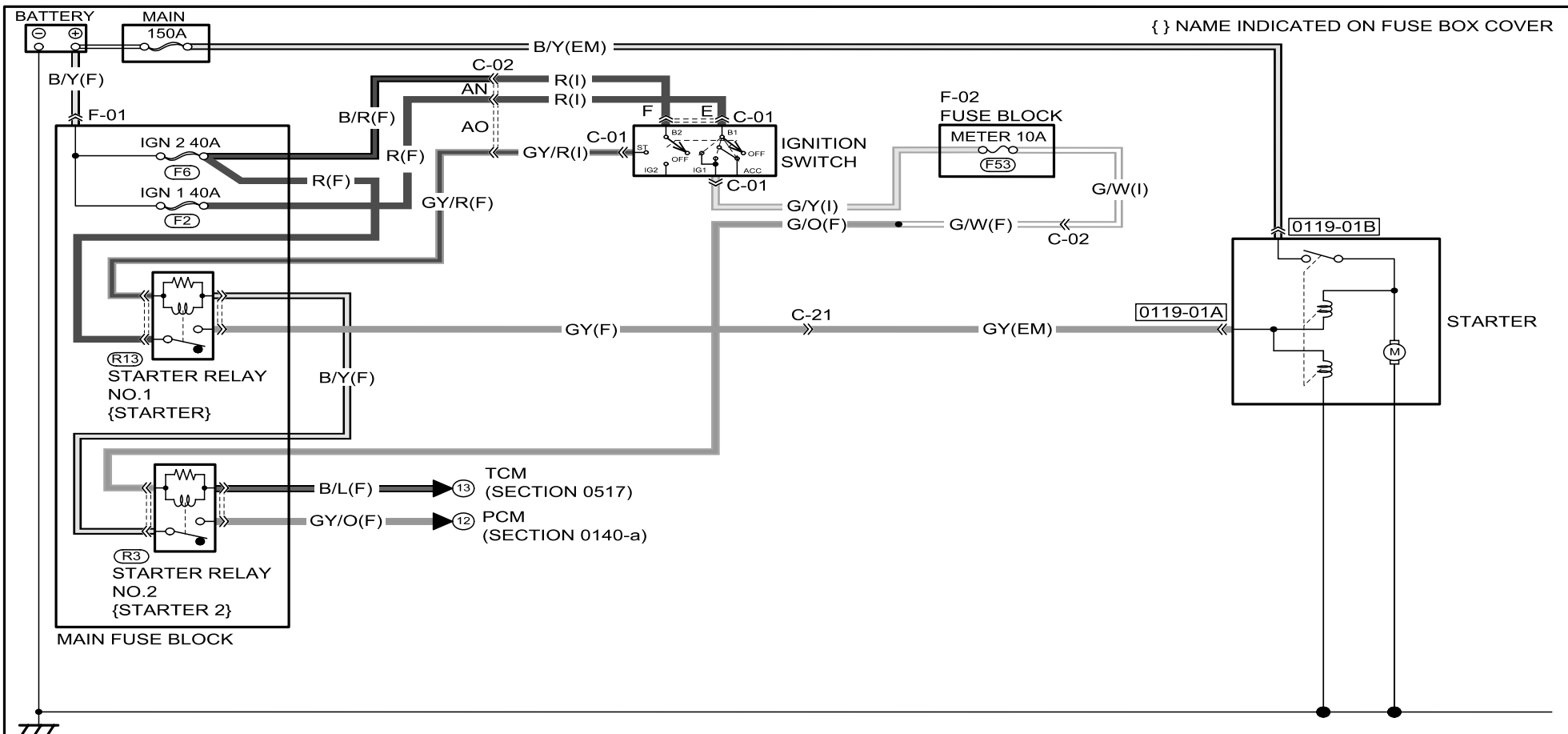


0117-01A GENERATOR	0117-01B GENERATOR					
						




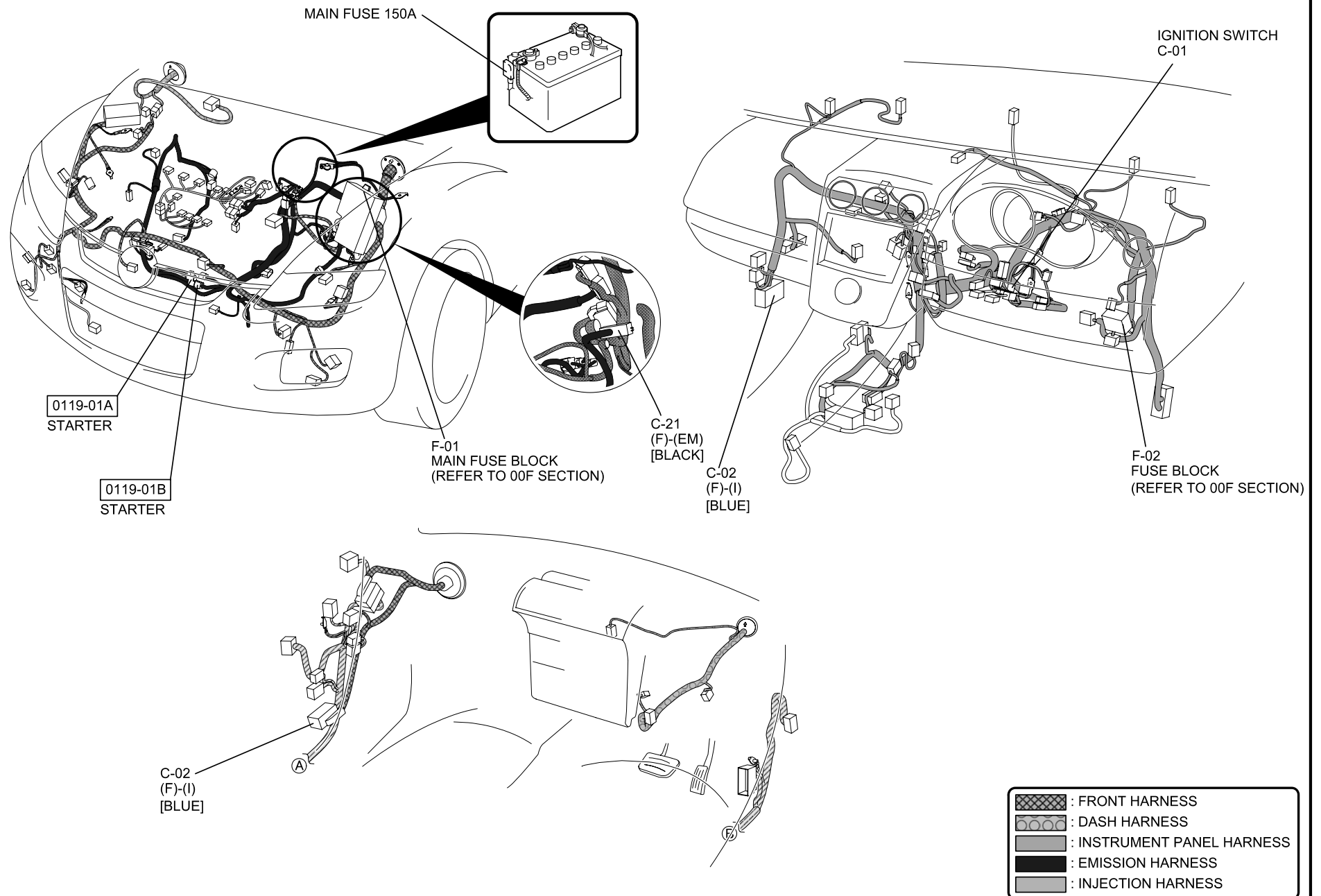
STARTING SYSTEM

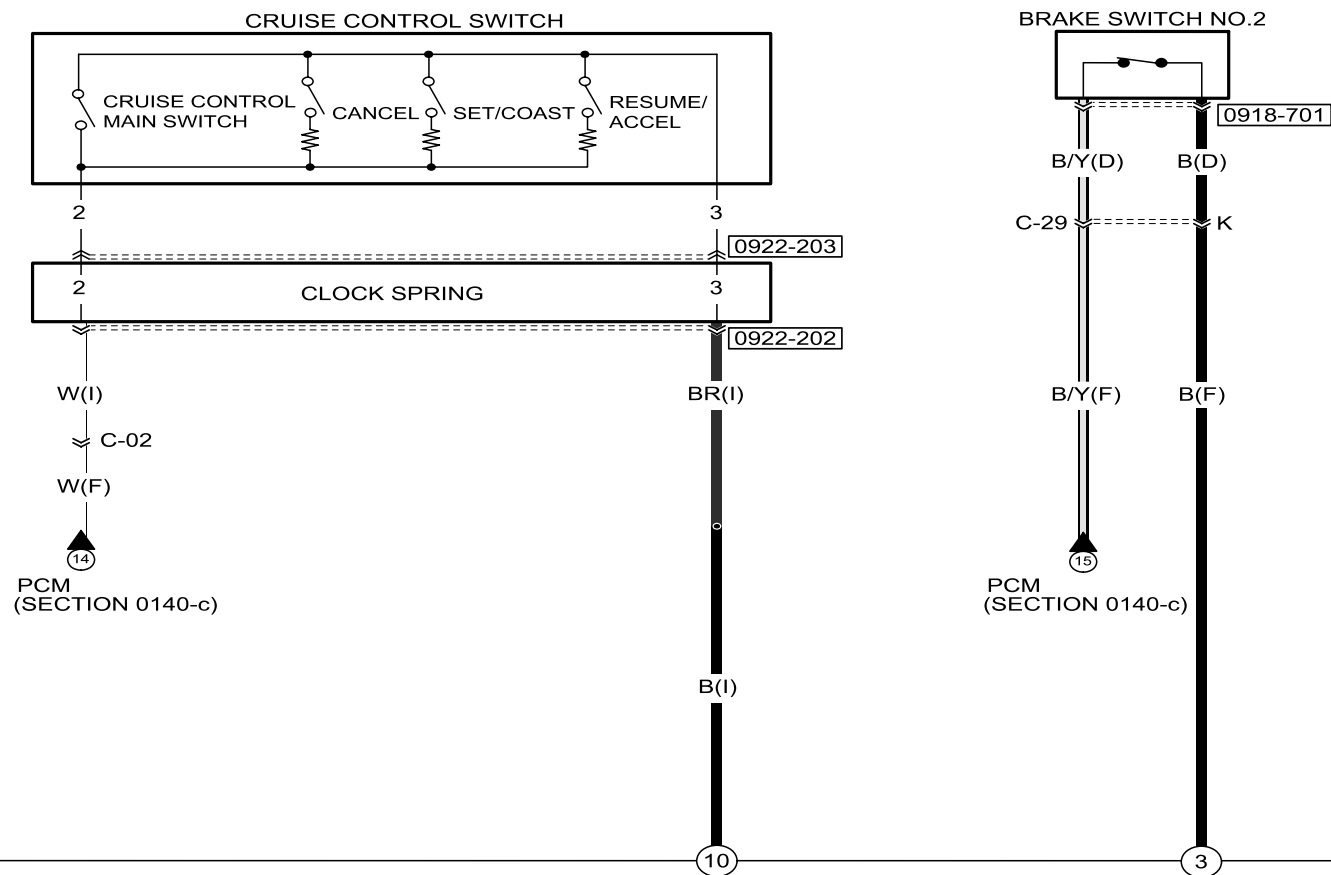
0119



42

0119-01A STARTER 	0119-01B STARTER 					



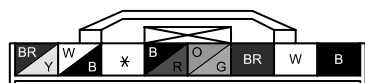


44

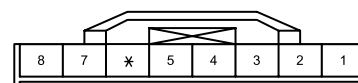
0918-701
BRAKE SWITCH NO.2



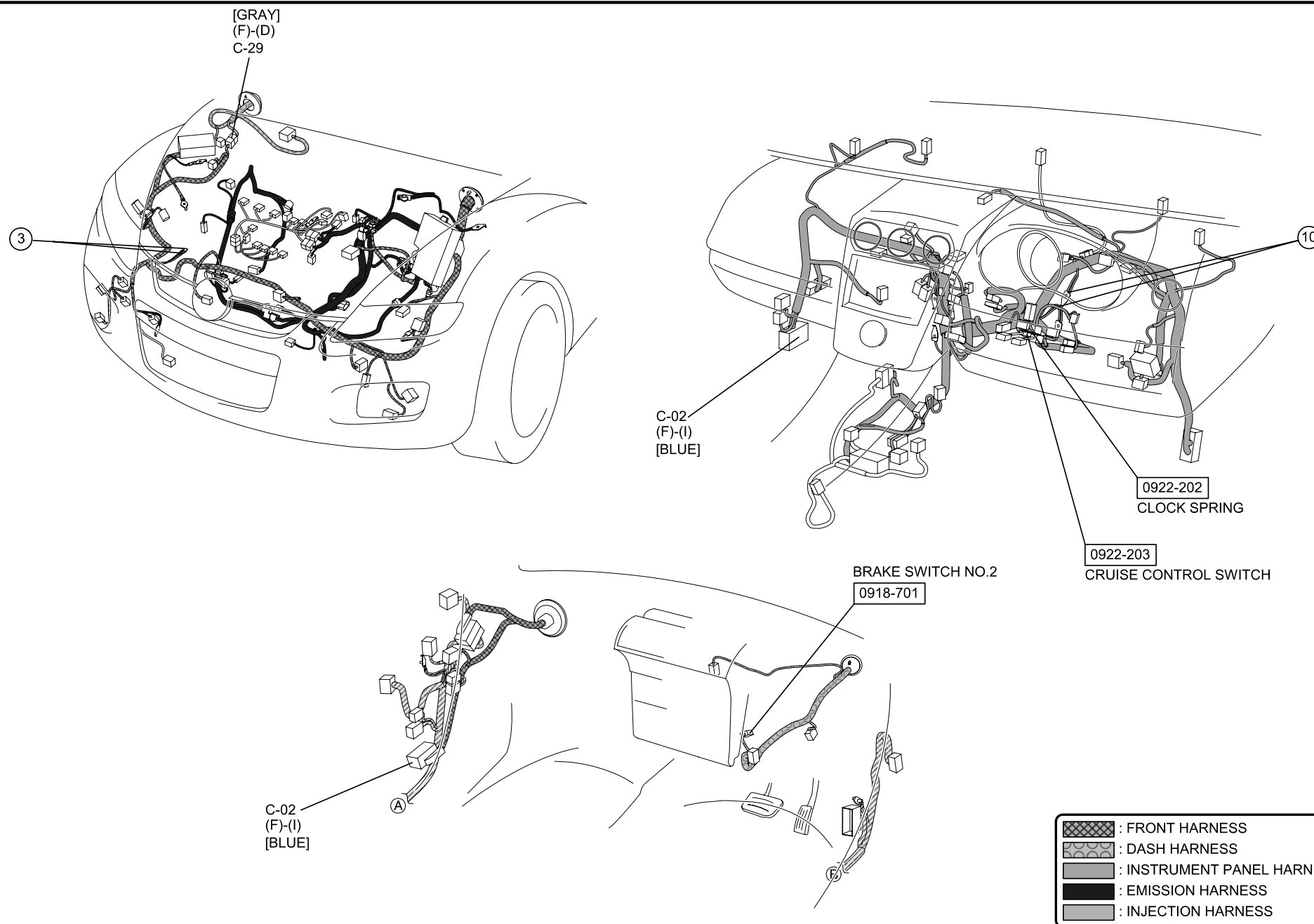
0922-202
CLOCK SPRING



0922-203
CRUISE CONTROL SWITCH

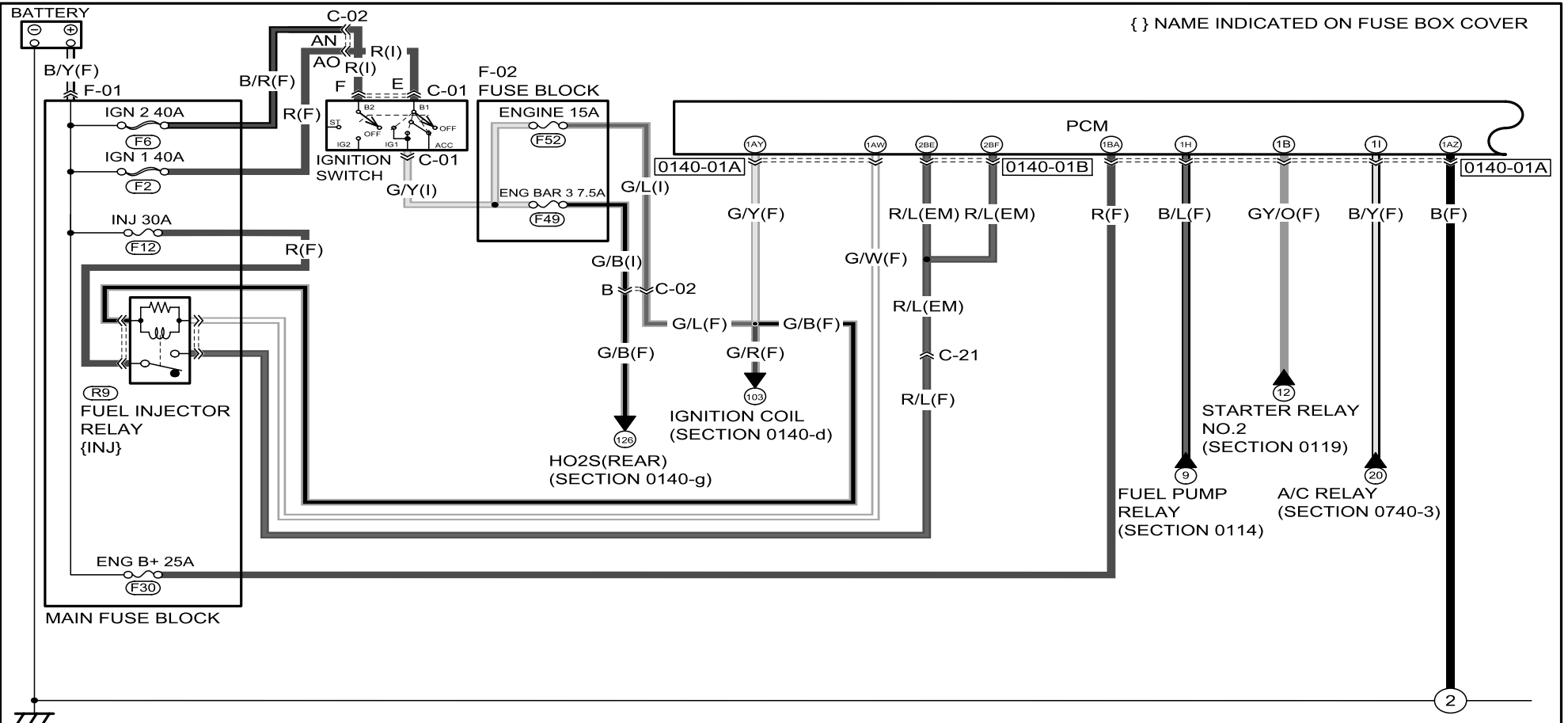


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.



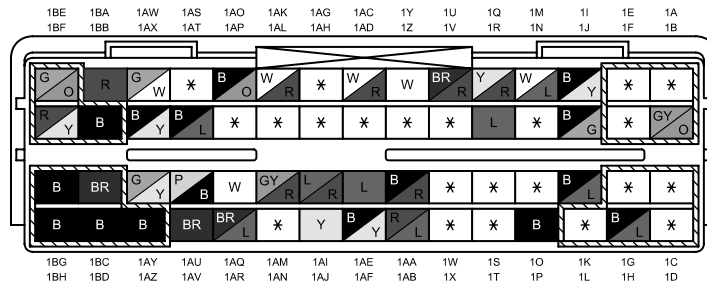
CONTROL SYSTEM

0140-a

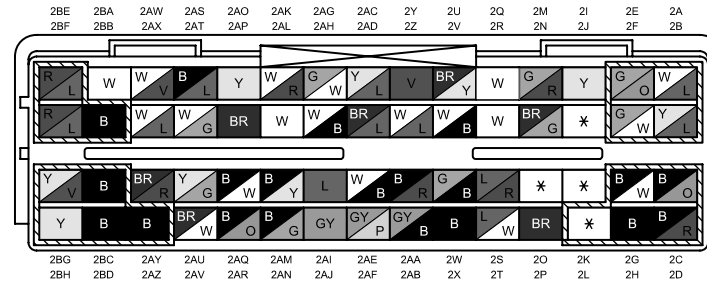


46






0140-01A
PCM



0140-01B
PCM

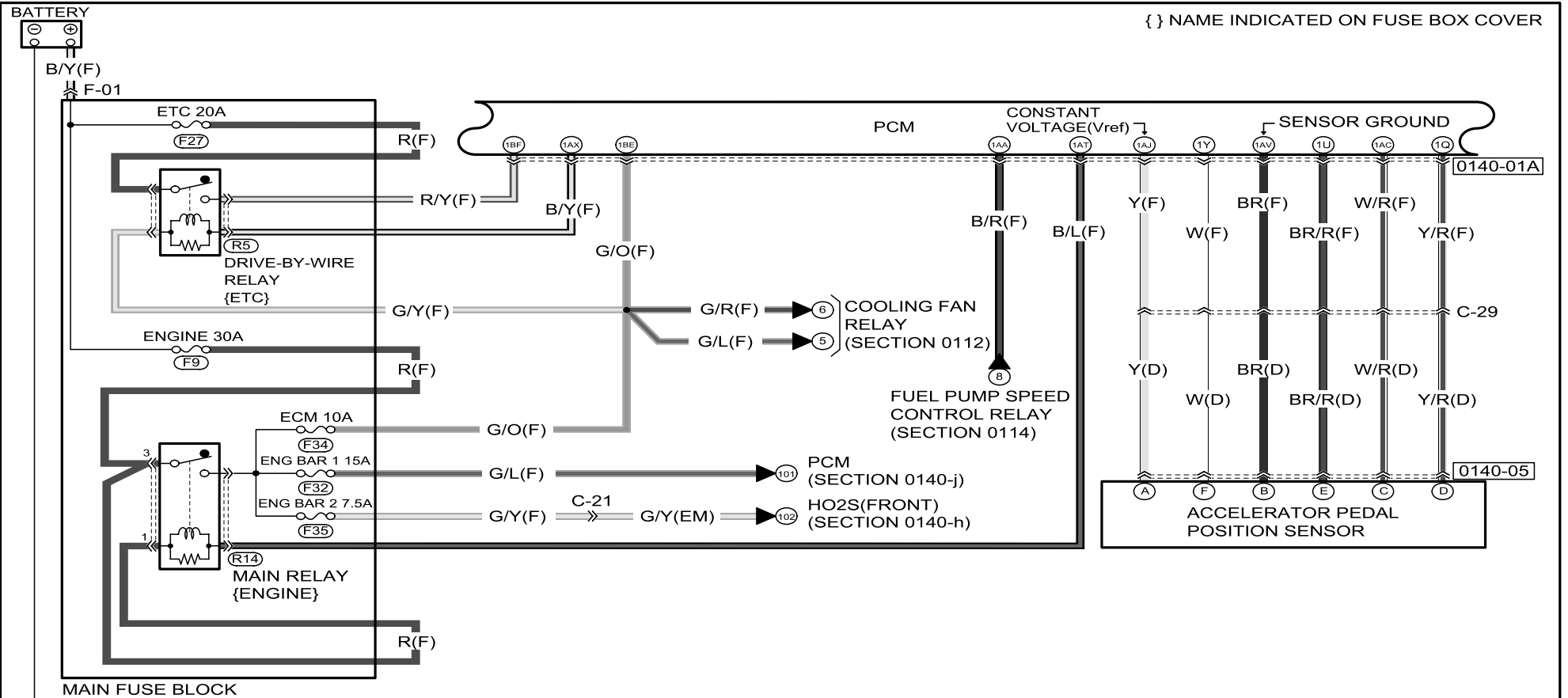




-  : FRONT HARNESS
 : DASH HARNESS
 : INSTRUMENT PANEL HARNESS
 : EMISSION HARNESS
 : INJECTION HARNESS

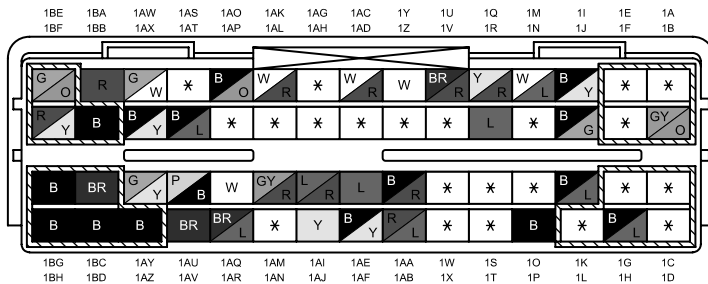
CONTROL SYSTEM

0140-b

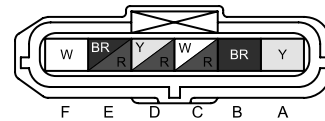


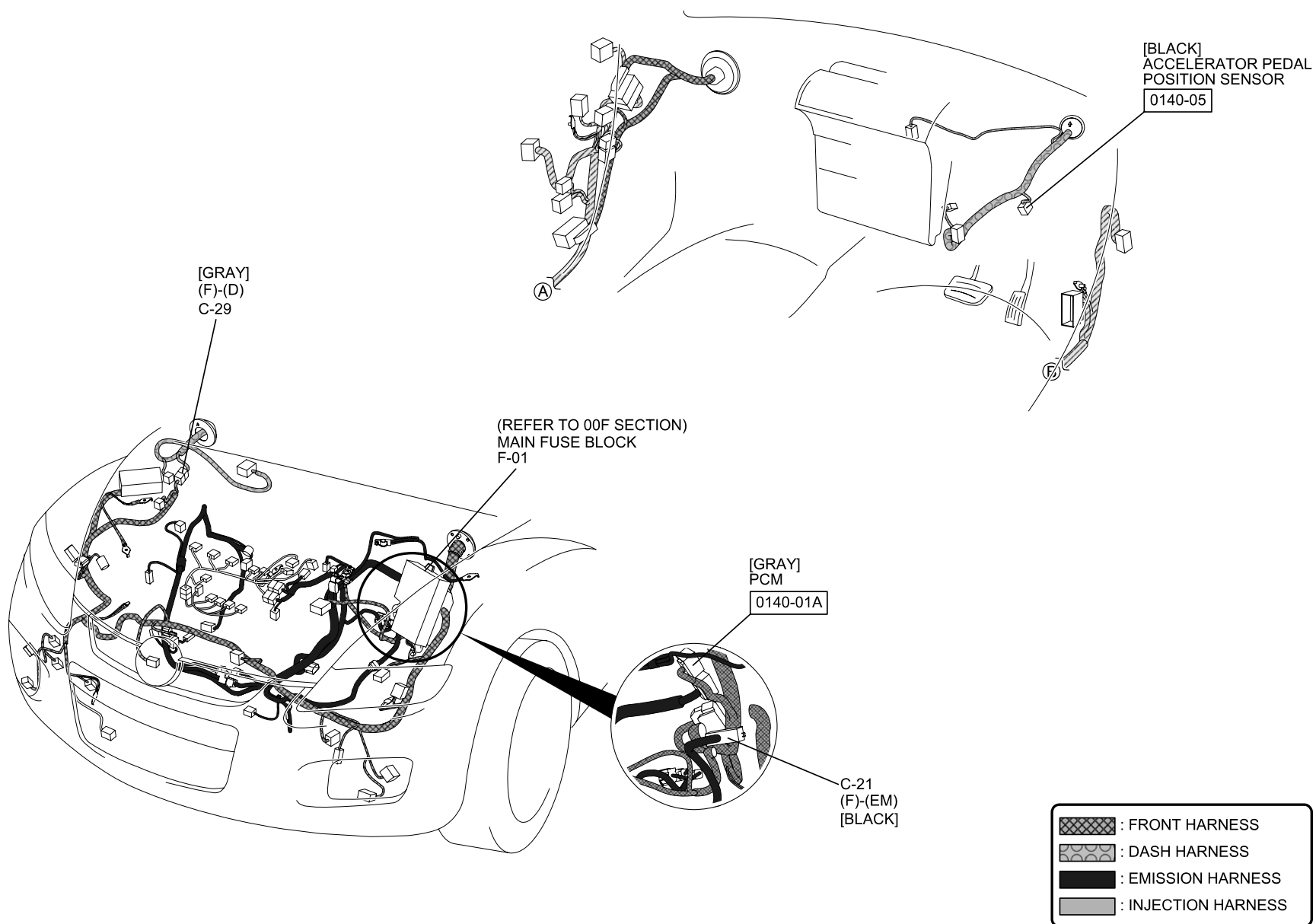
48

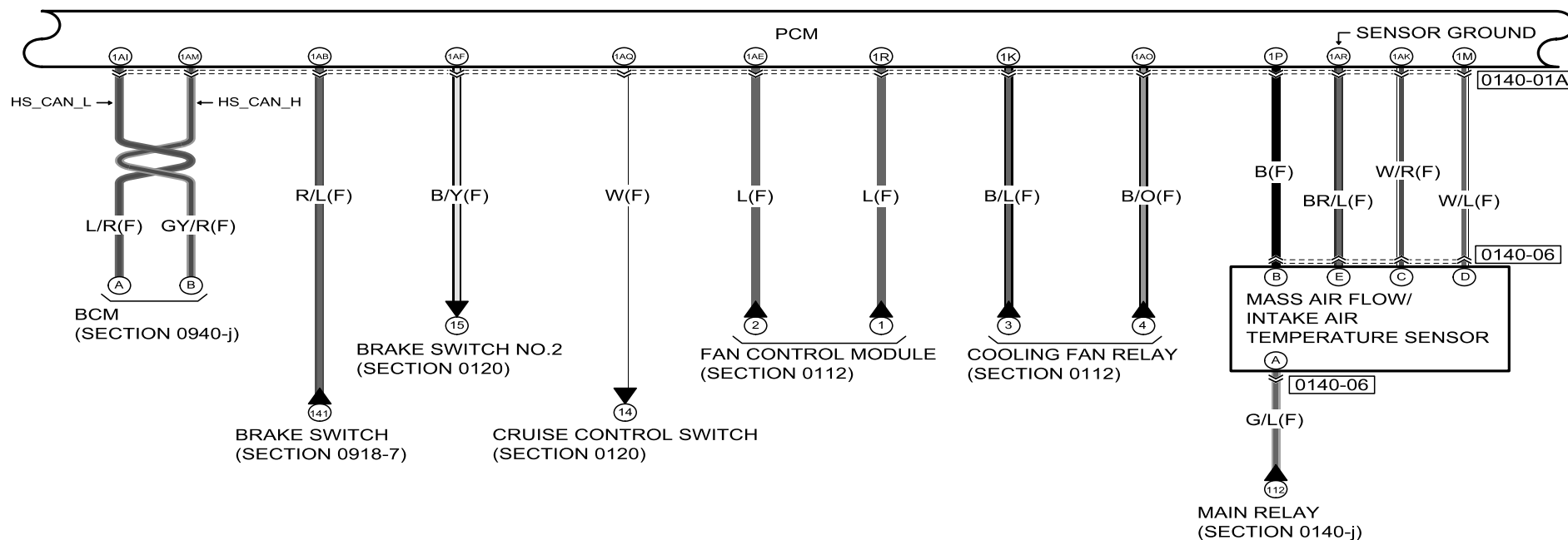
0140-01A
PCM



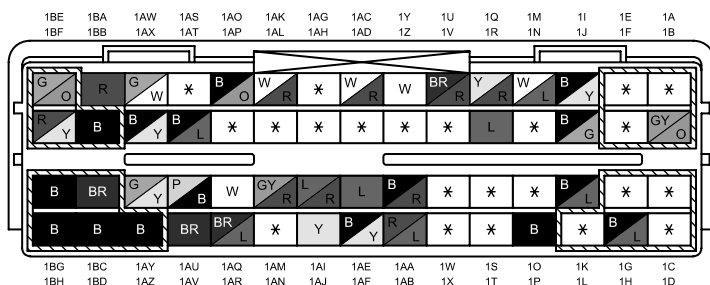
0140-05
ACCELERATOR PEDAL POSITION SENSOR



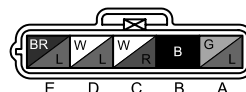


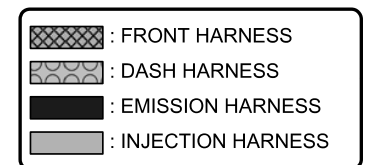
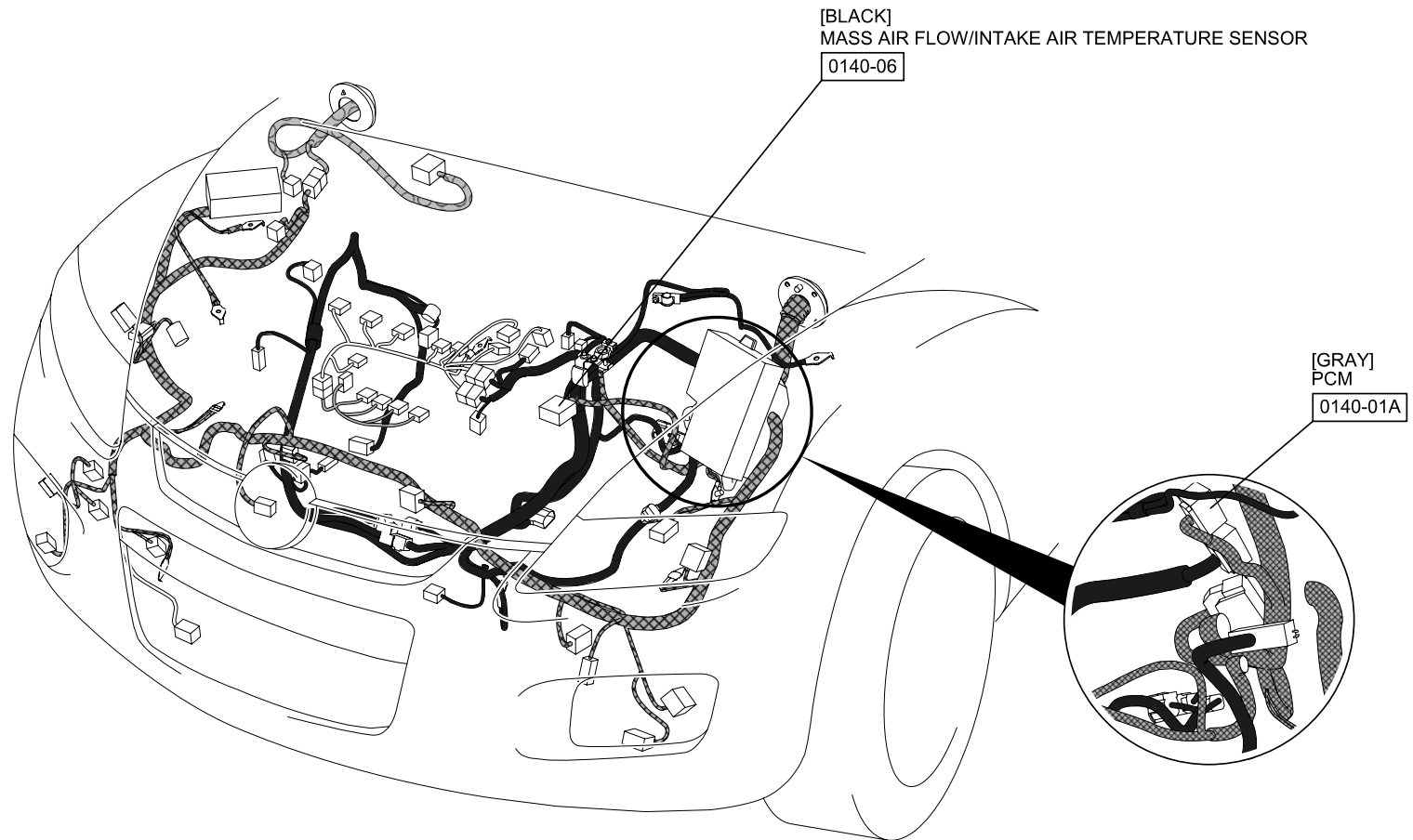


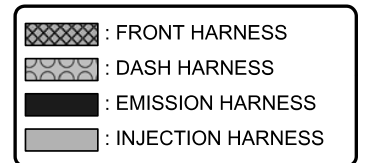
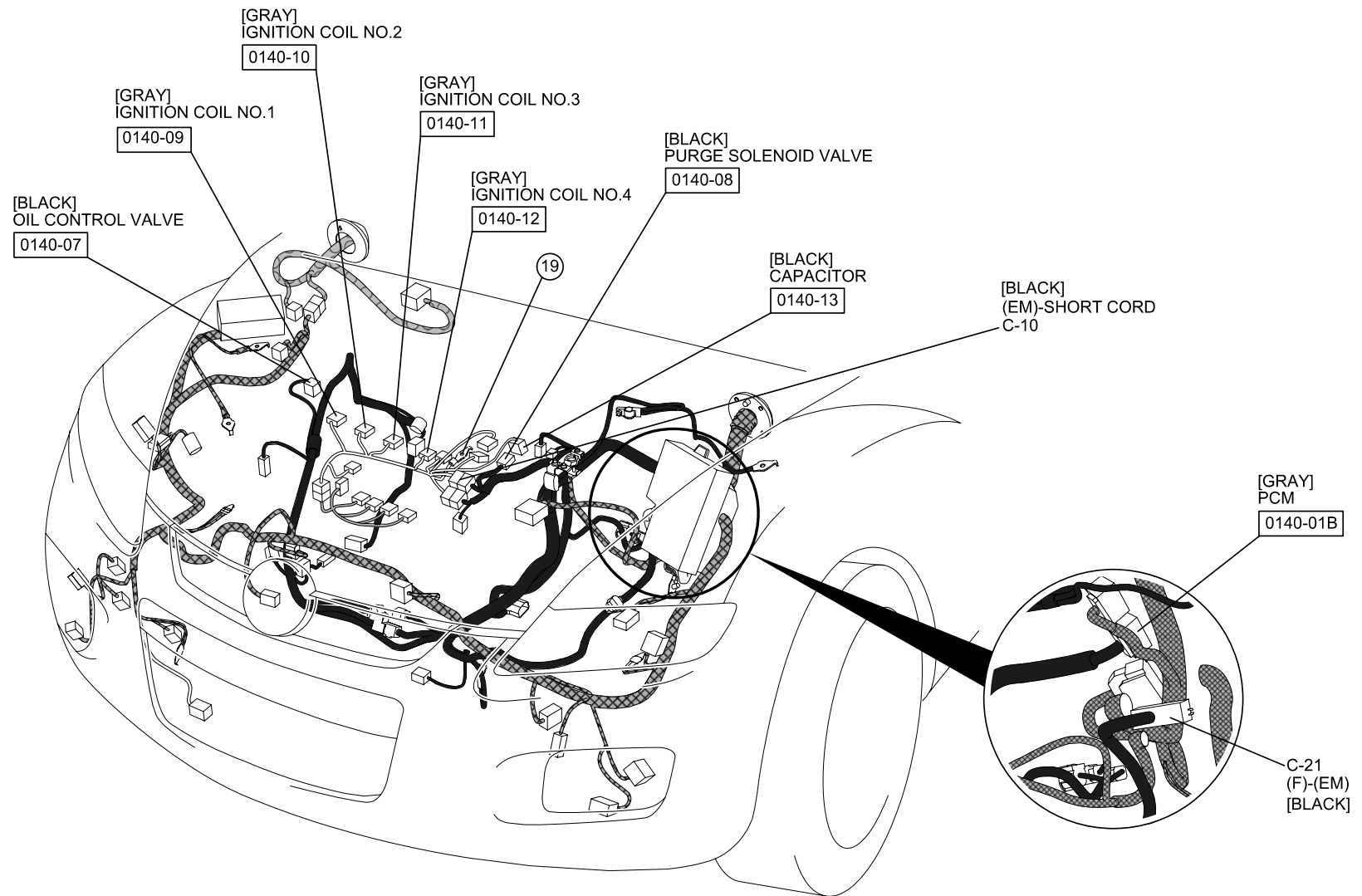
0140-01A
PCM

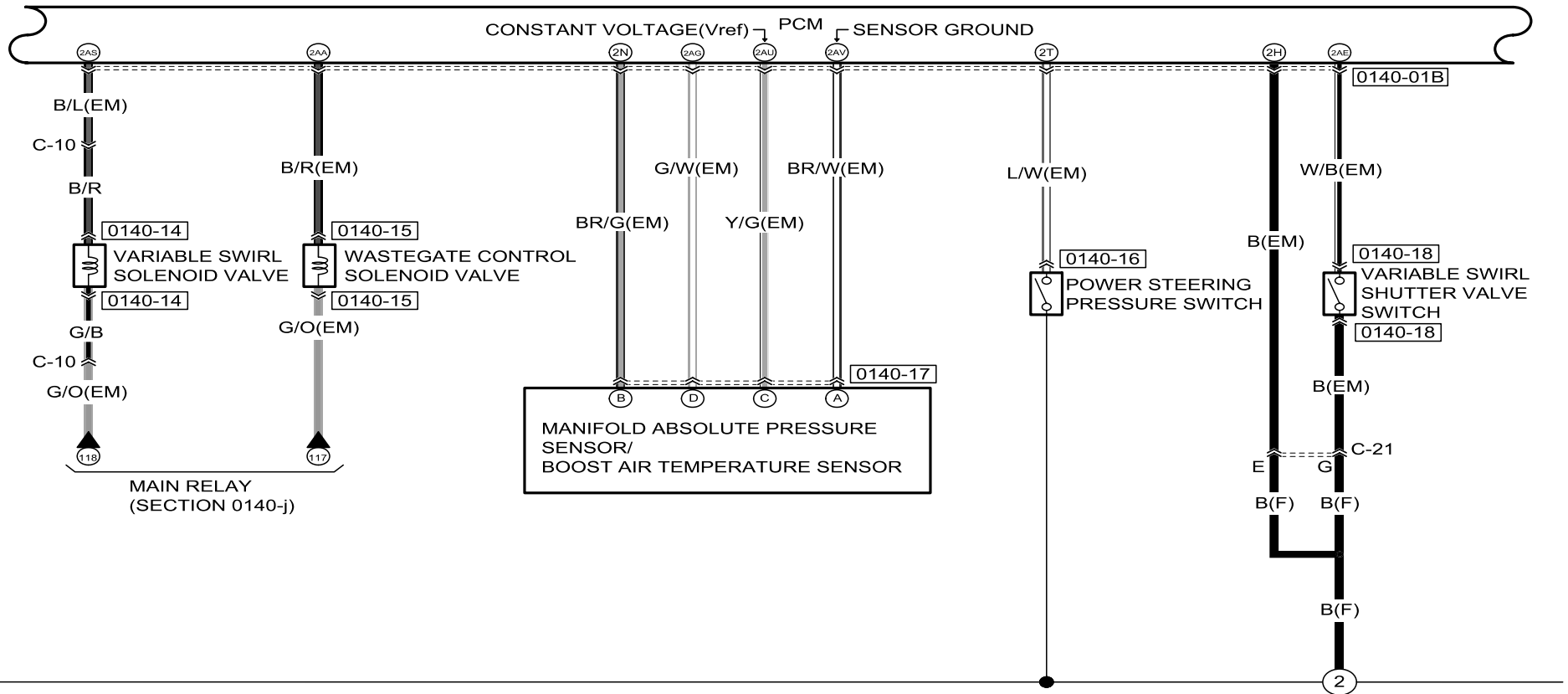
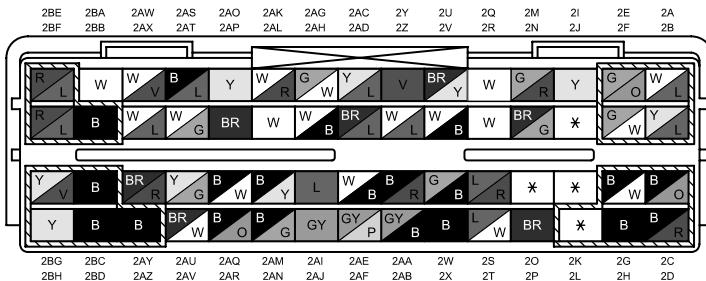
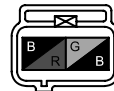
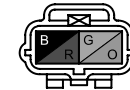
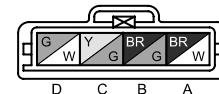
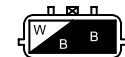


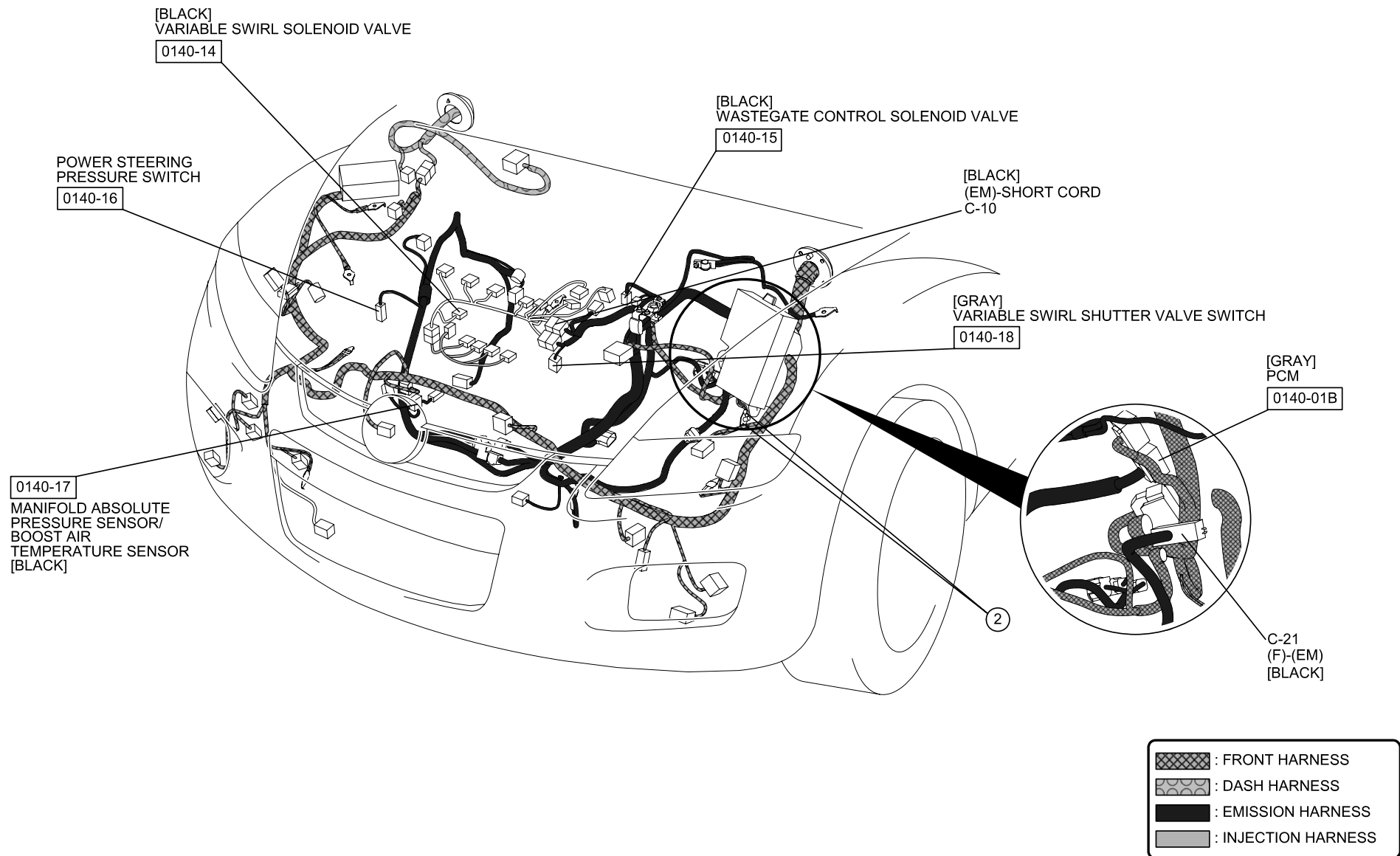
0140-06
MASS AIR FLOW/INTAKE AIR TEMPERATURE SENSOR

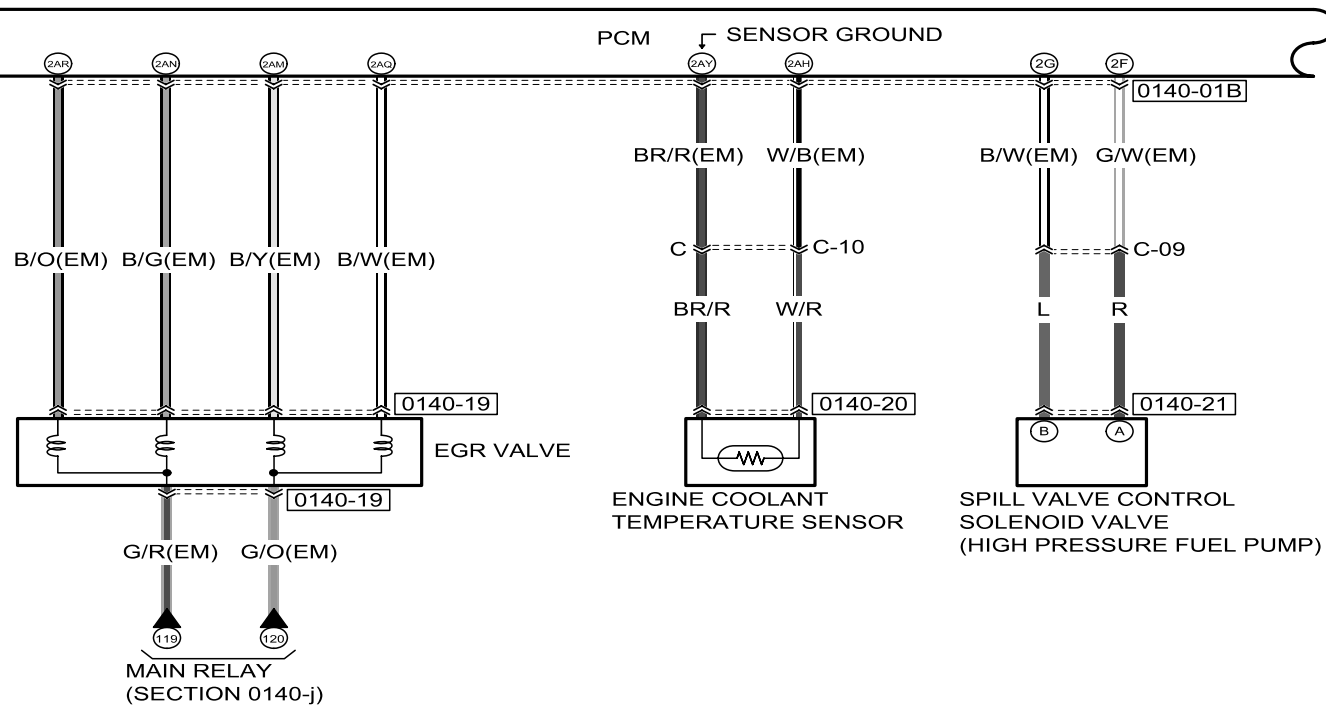




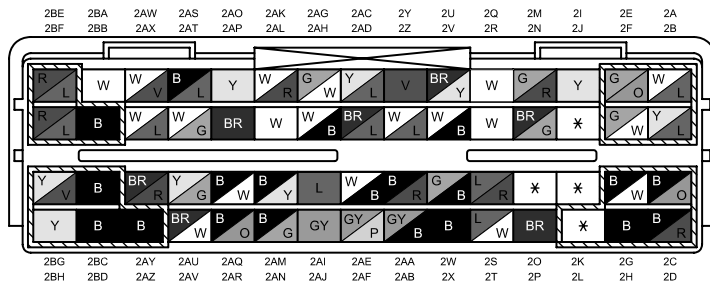


0140-01B
PCM0140-14
VARIABLE SWIRL
SOLENOID VALVE0140-15
WASTEGATE CONTROL SOLENOID VALVE0140-16
POWER STEERING
PRESSURE SWITCH0140-17
MANIFOLD ABSOLUTE PRESSURE SENSOR/
BOOST AIR TEMPERATURE SENSOR0140-18
VARIABLE SWIRL SHUTTER VALVE SWITCH

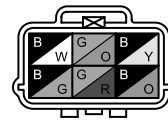




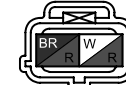
0140-01B
PCM



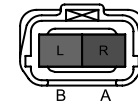
0140-19
EGR VALVE

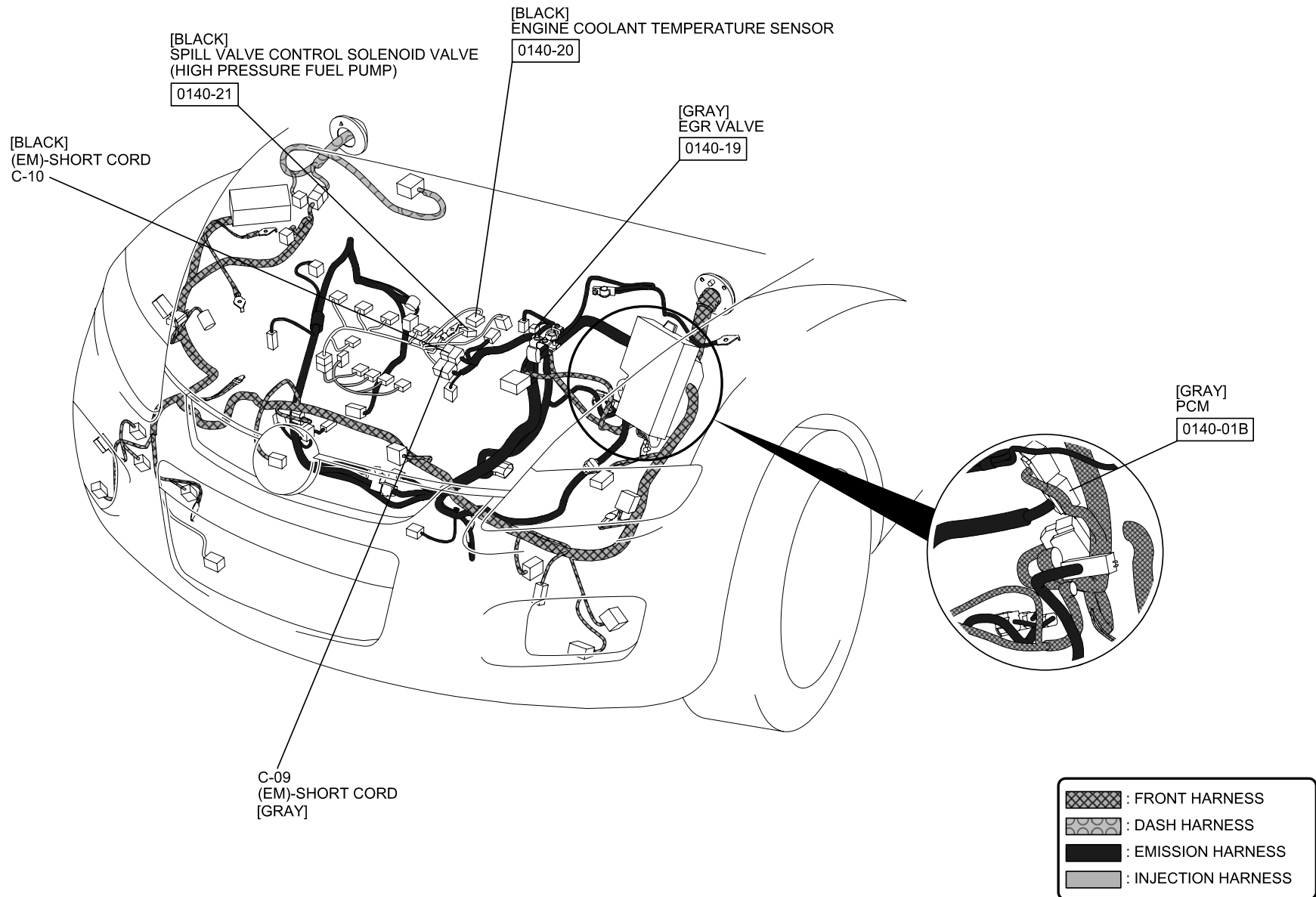


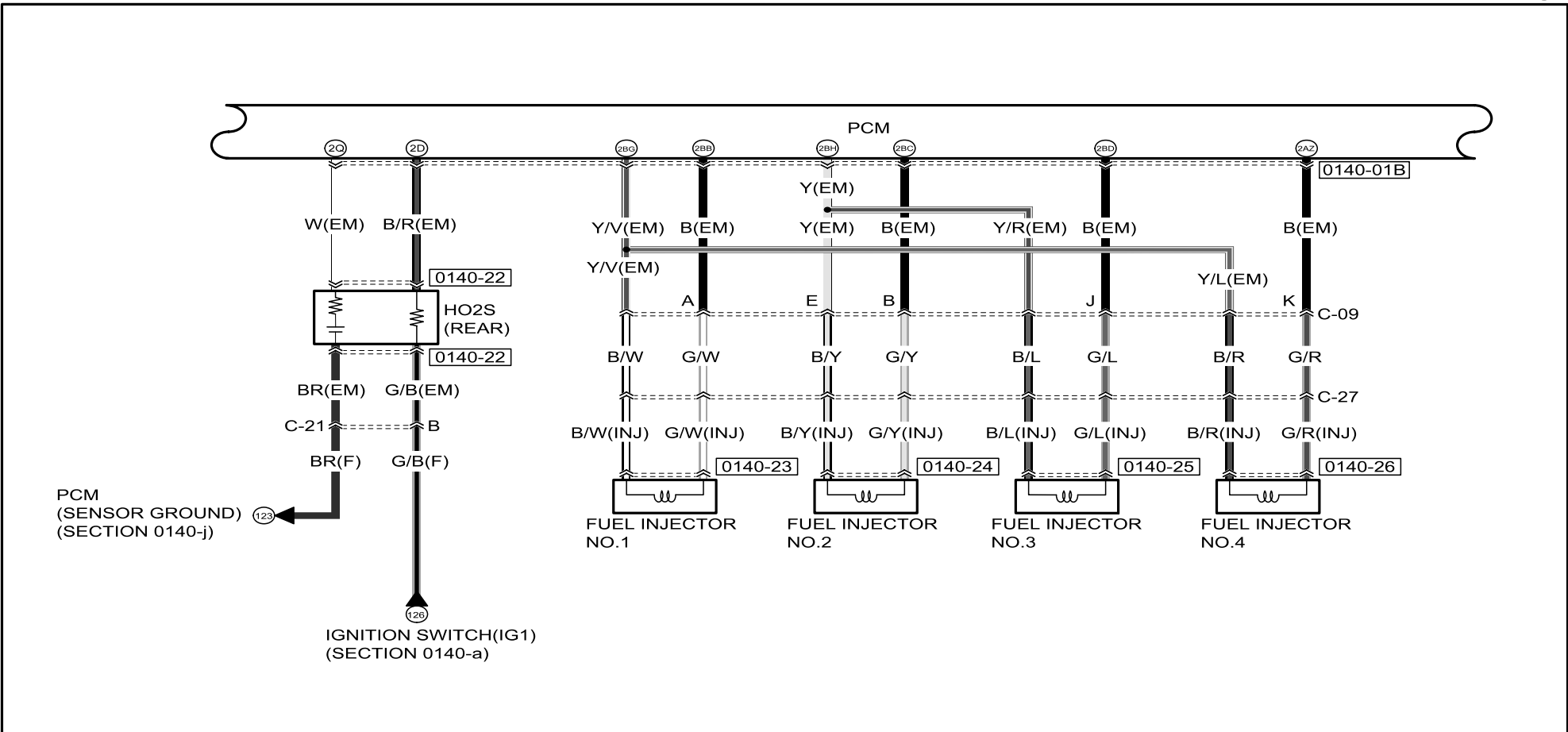
0140-20
ENGINE COOLANT
TEMPERATURE SENSOR

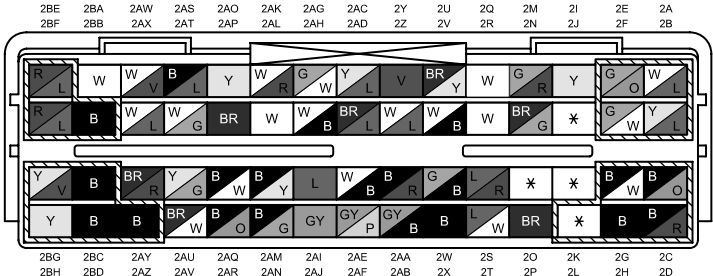
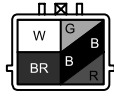
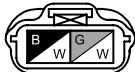
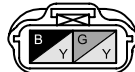
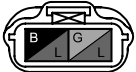
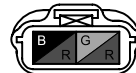


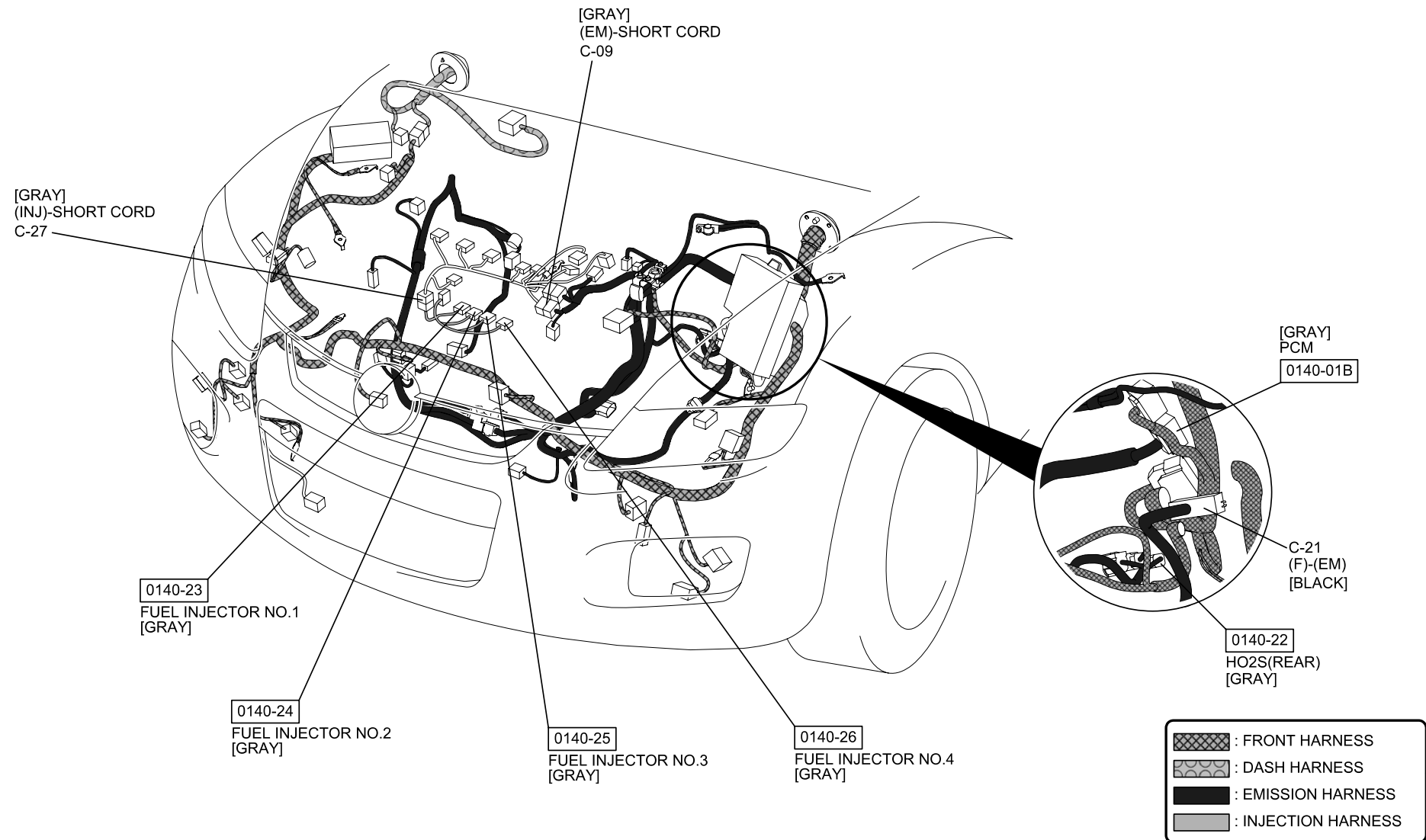
0140-21
SPILL VALVE CONTROL SOLENOID VALVE
(HIGH PRESSURE FUEL PUMP)

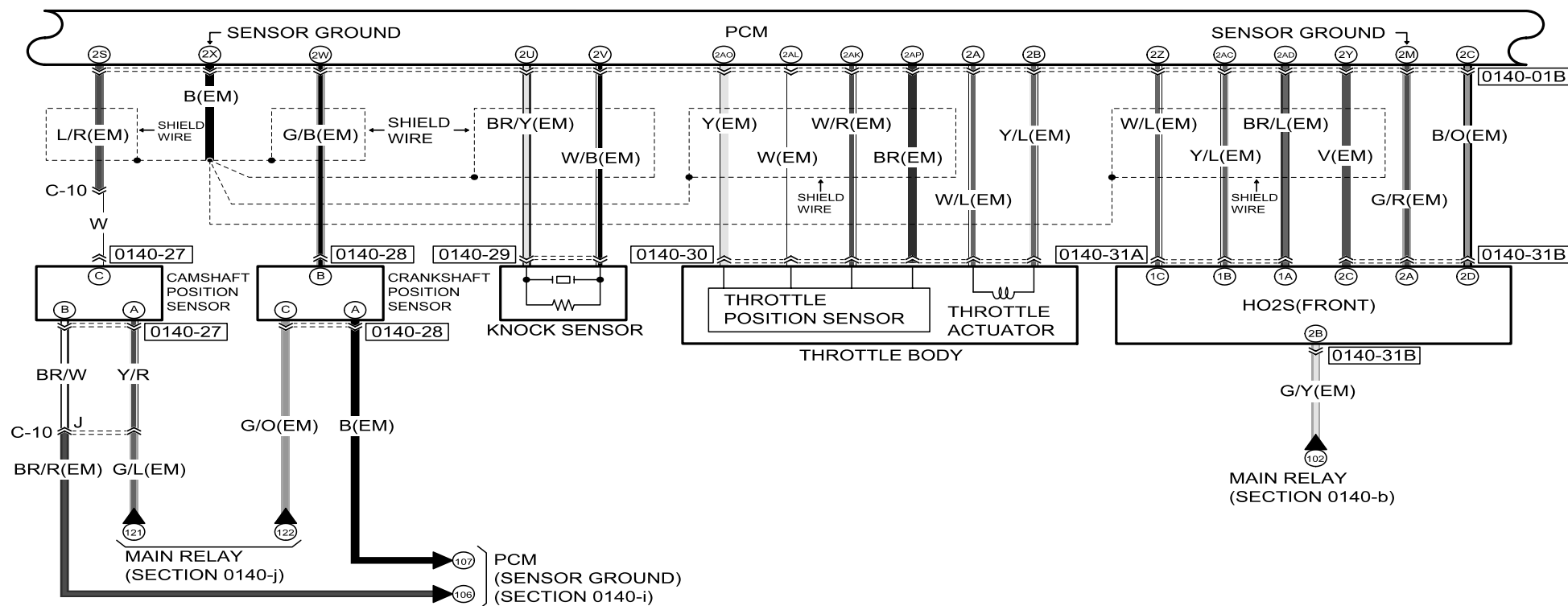
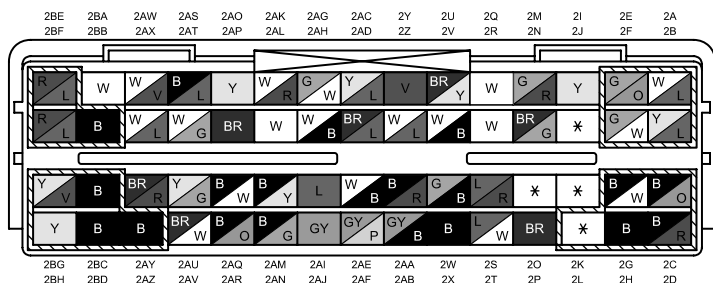
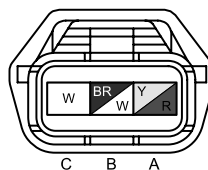
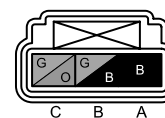
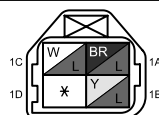
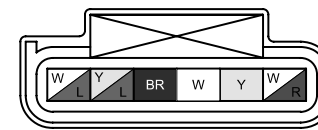
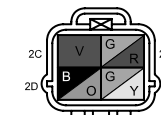


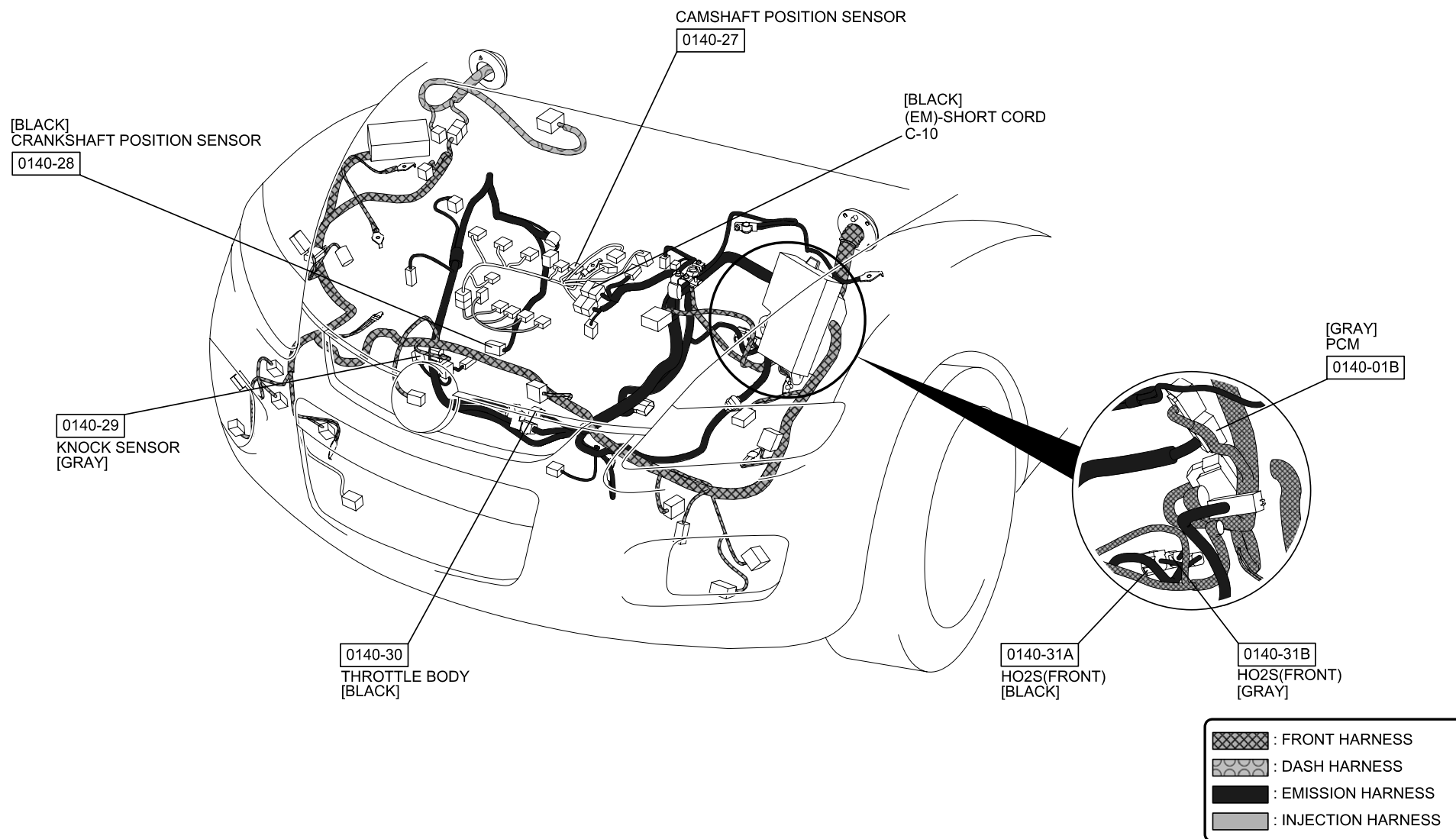


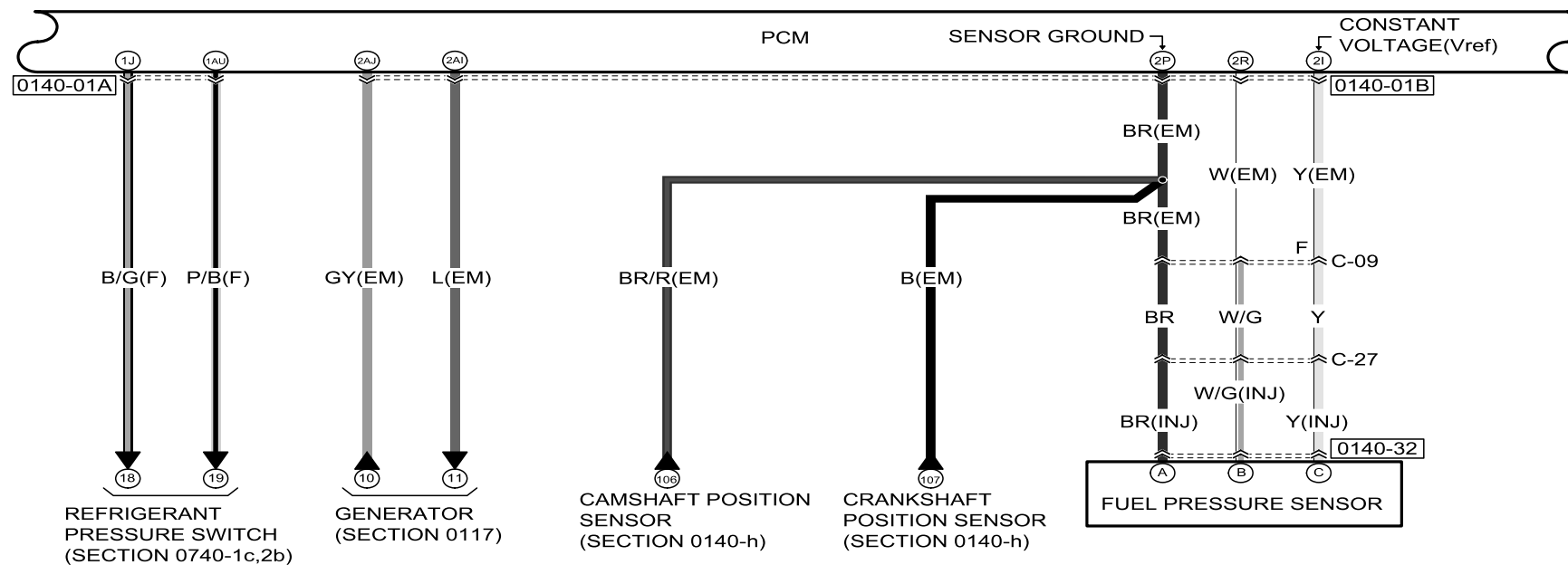


0140-01B PCM	0140-22 HO2S(REAR)	0140-23 FUEL INJECTOR NO.1	0140-24 FUEL INJECTOR NO.2	0140-25 FUEL INJECTOR NO.3
				
	0140-26 FUEL INJECTOR NO.4			
				

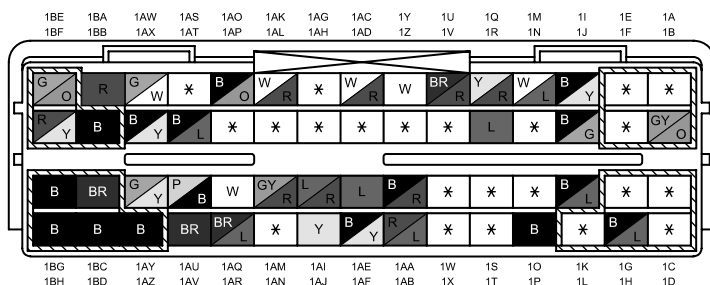
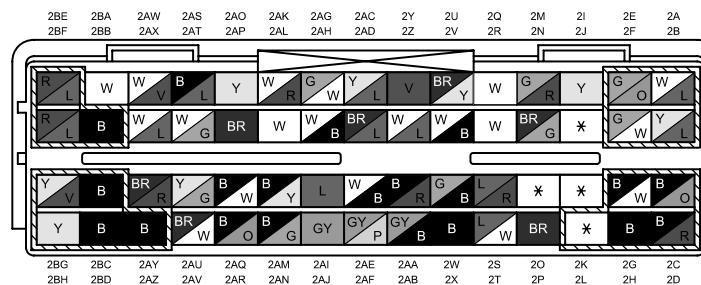
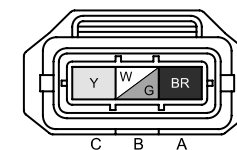


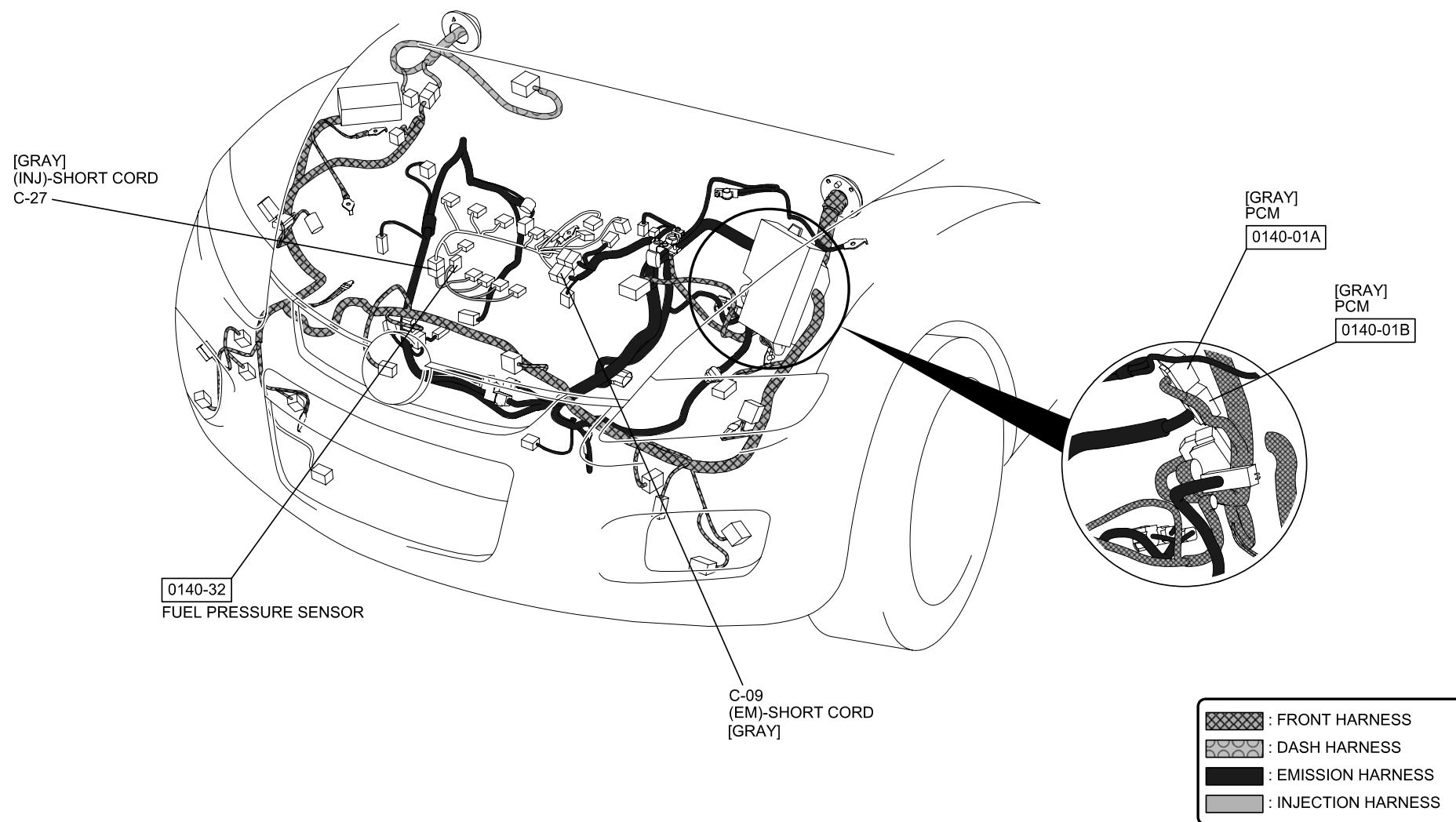
0140-01B
PCM0140-27
CAMSHAFT POSITION
SENSOR0140-28
CRANKSHAFT POSITION
SENSOR0140-29
KNOCK SENSOR0140-31A
HO2S
(FRONT)0140-30
THROTTLE BODY0140-31B
HO2S(FRONT)

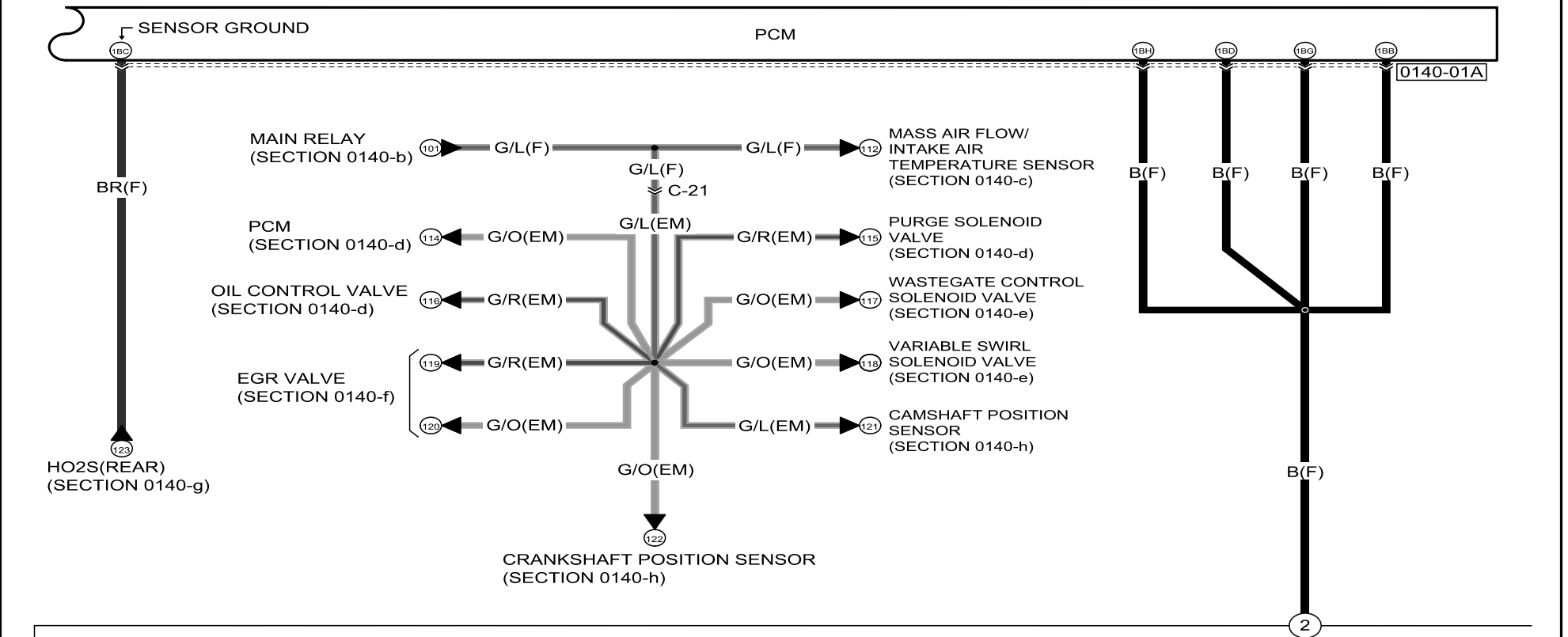




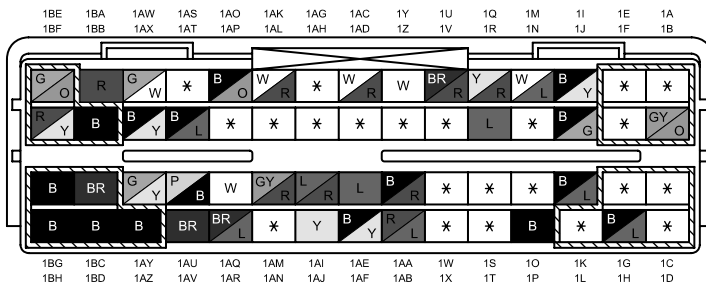
62

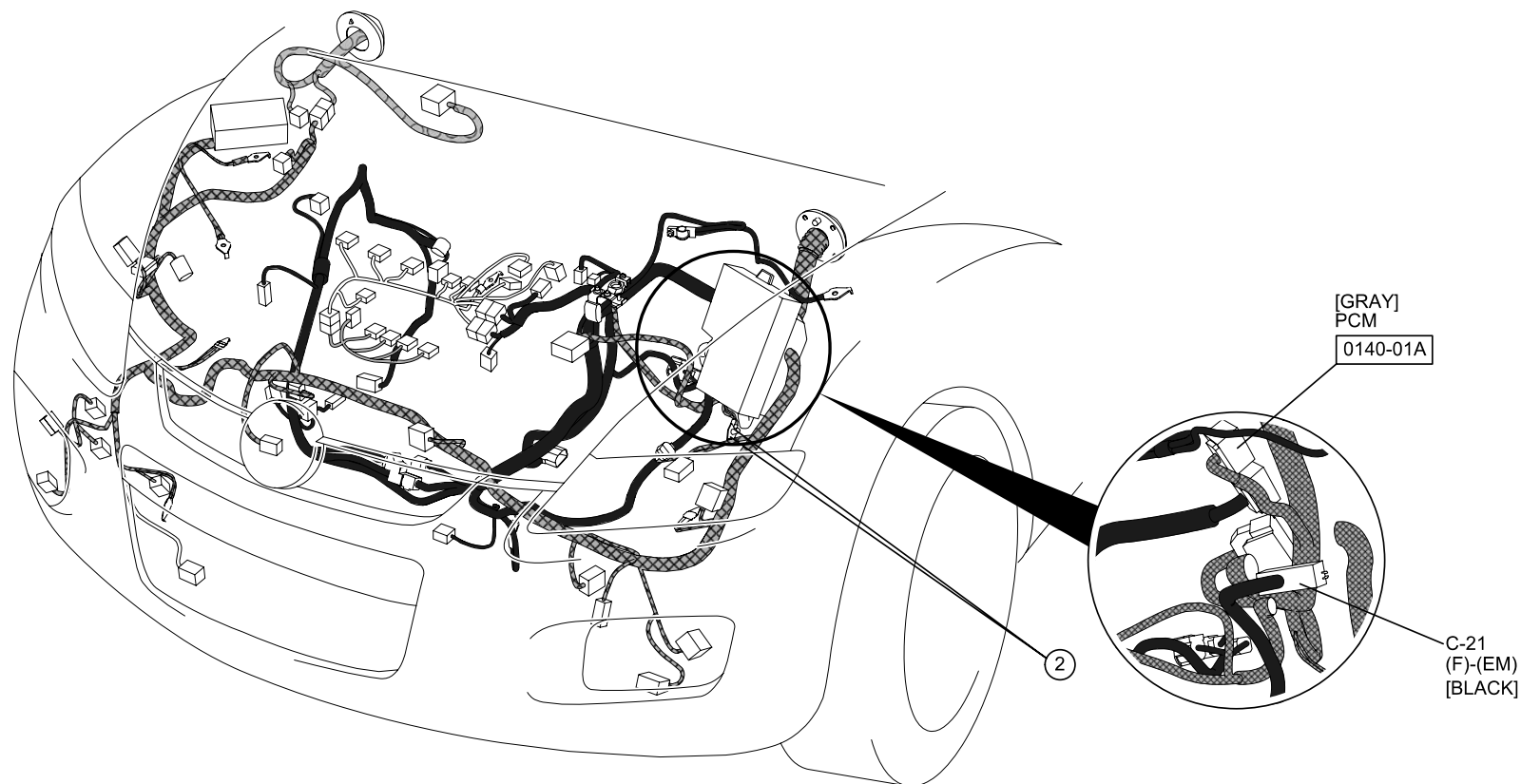
0140-01A
PCM0140-01B
PCM0140-32
FUEL PRESSURE SENSOR









0140-01A
PCM



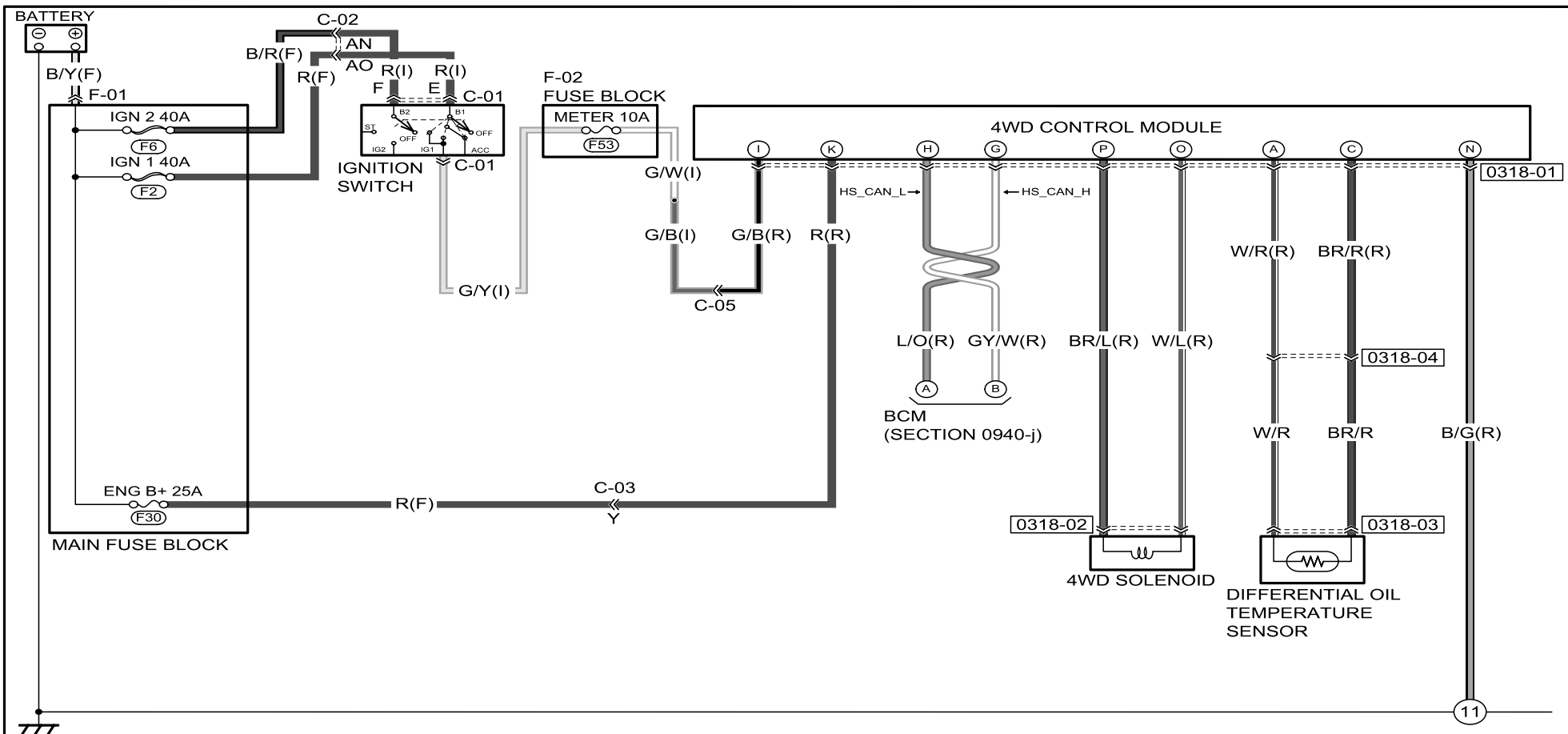


	: FRONT HARNESS
	: DASH HARNESS
	: EMISSION HARNESS
	: INJECTION HARNESS

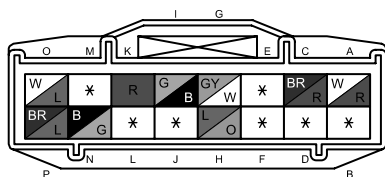
ELECTRONIC 4WD CONTROL SYSTEM

0318

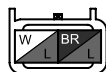
66



0318-01
4WD CONTROL MODULE



0318-02
4WD SOLENOID



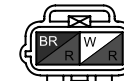
0318-03
DIFFERENTIAL OIL TEMPERATURE SENSOR



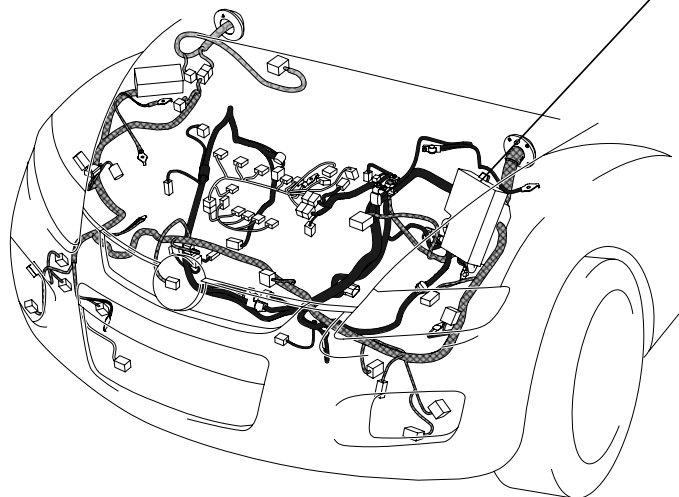
0318-04
REAR HARNESS-SHORT CORD

REAR HARNESS

SHORT CORD



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

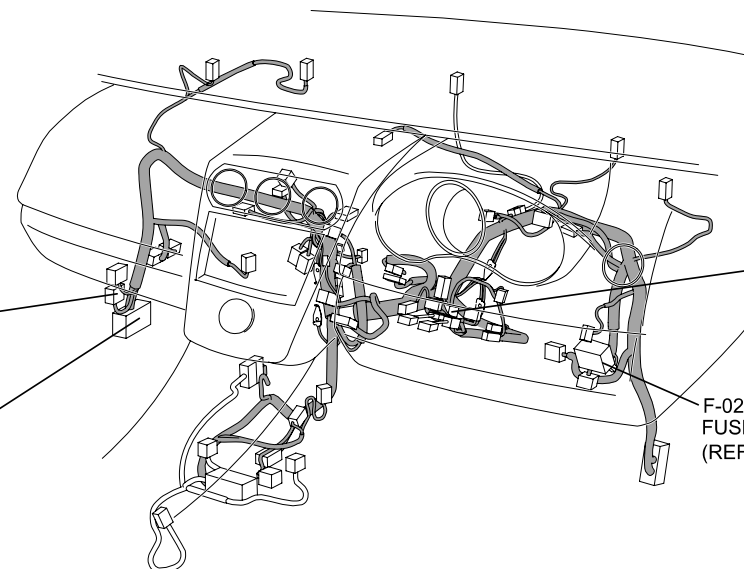


C-05
(L)-(R)

C-02
(F)-(L)
[BLUE]

IGNITION SWITCH
C-01

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



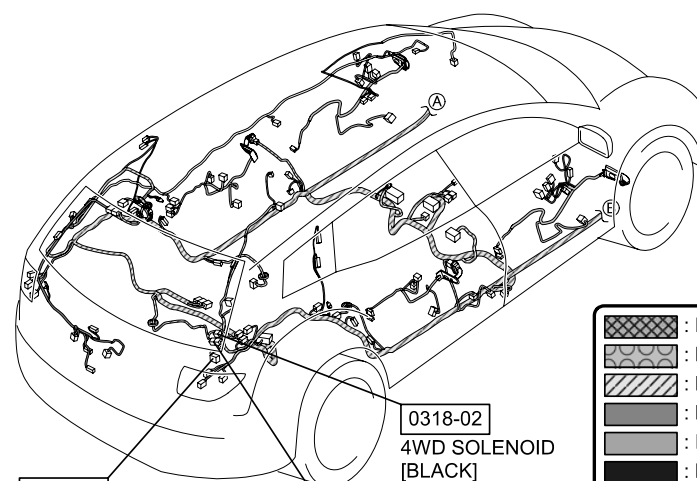
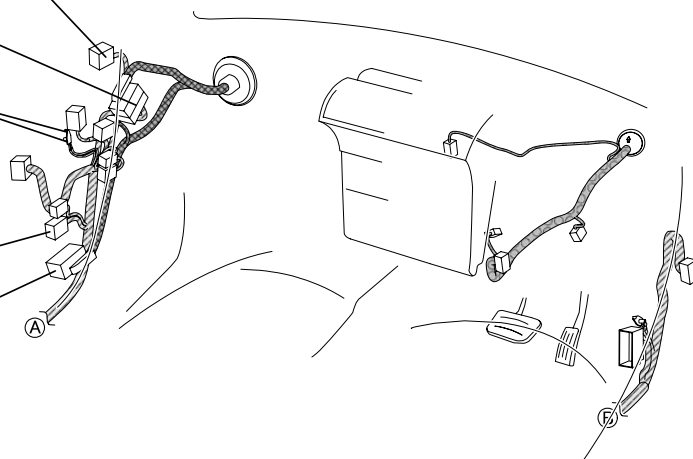
4WD CONTROL MODULE

0318-01

[BLUE]
(F)-(R)
C-03

11

C-05
(L)-(R)
C-02
(F)-(L)
[BLUE]



0318-03
DIFFERENTIAL OIL
TEMPERATURE SENSOR
[GRAY]

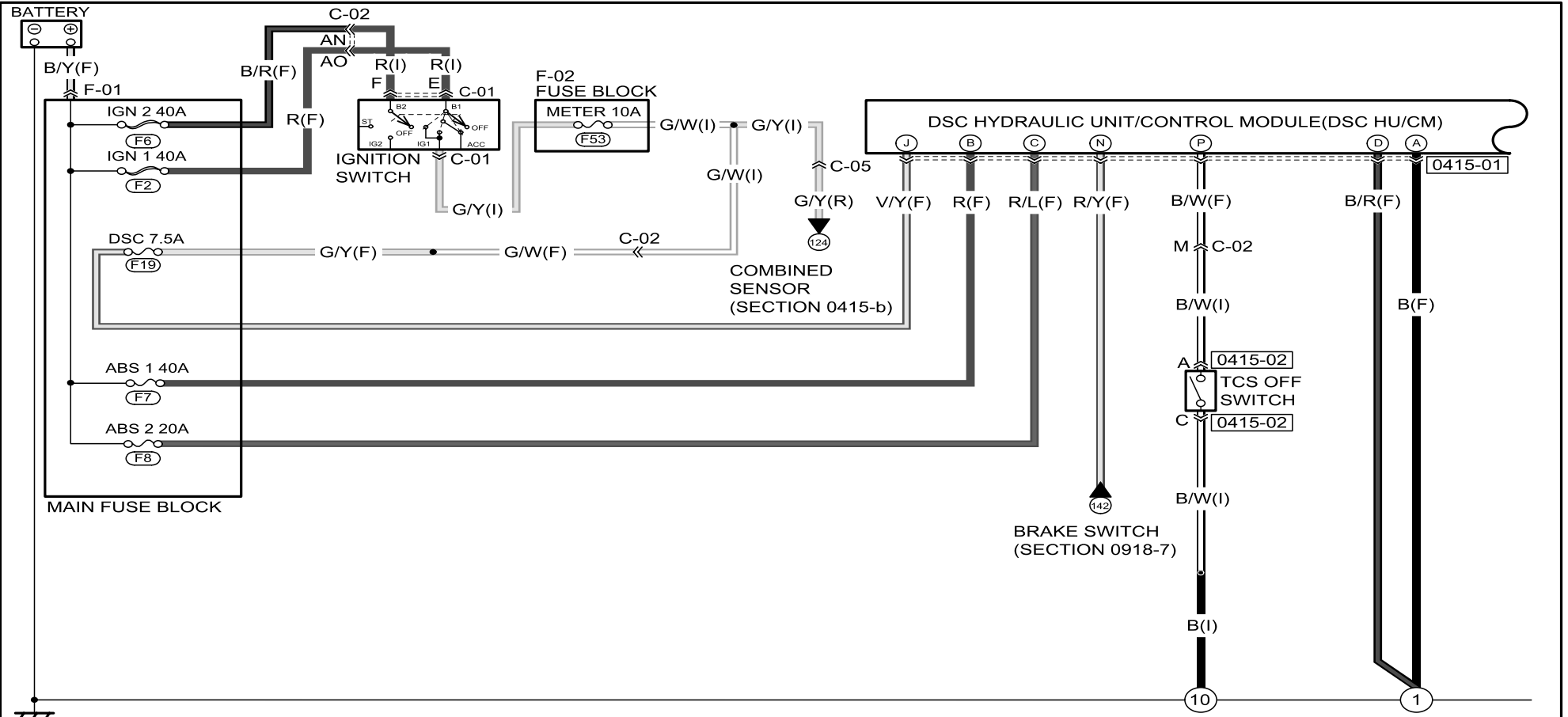
0318-02
4WD SOLENOID
[BLACK]

0318-04
(R)-SHORT CORD
[GRAY]

	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS

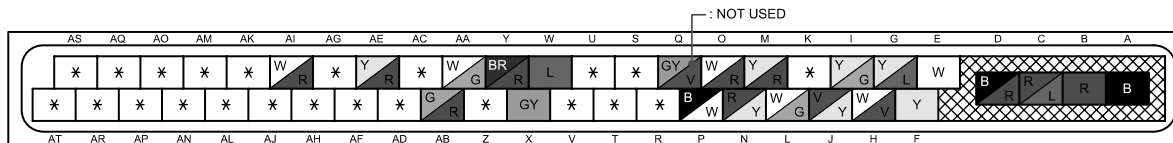
DYNAMIC STABILITY CONTROL

0415-a

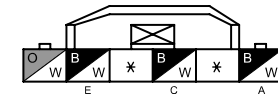


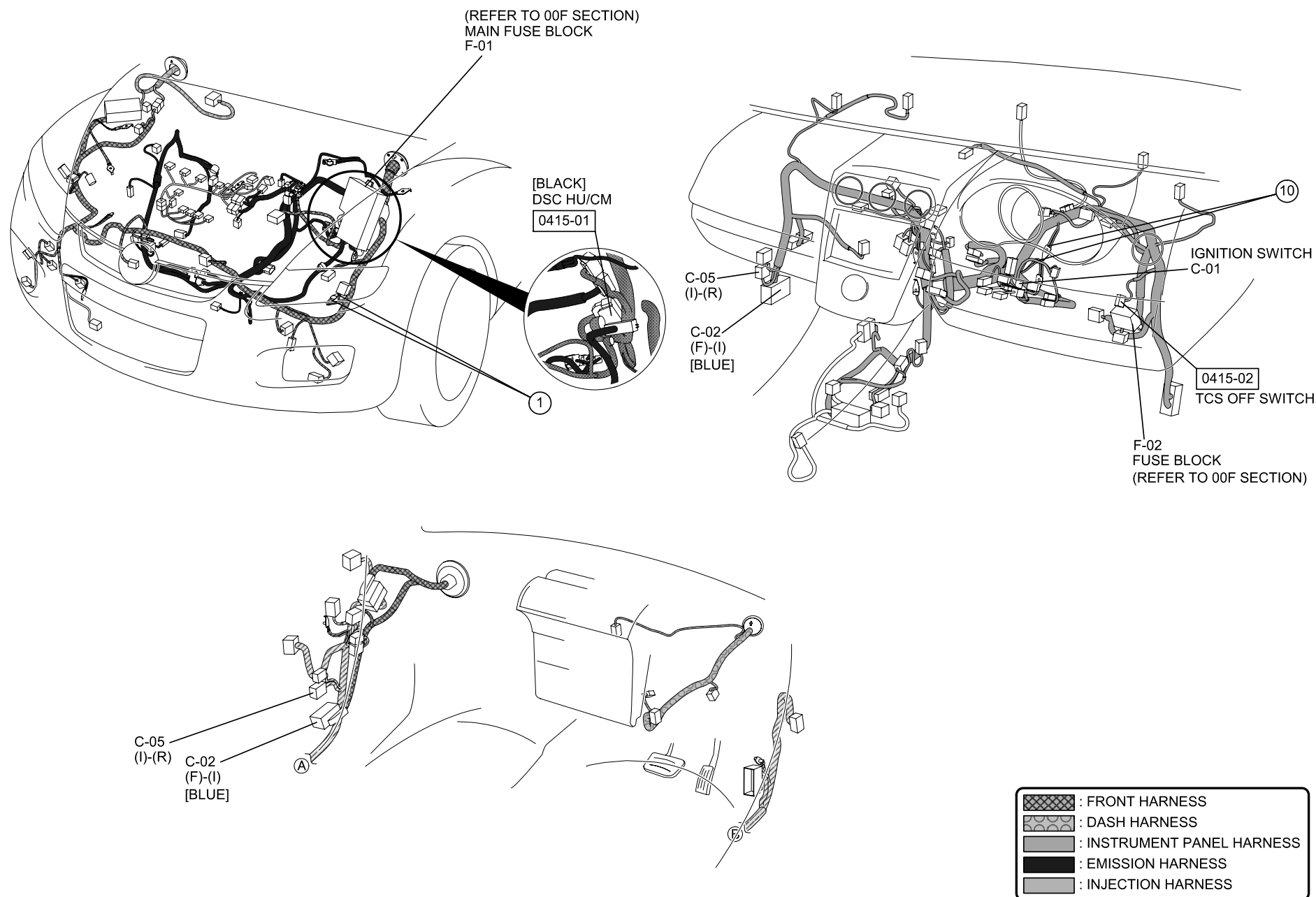
68

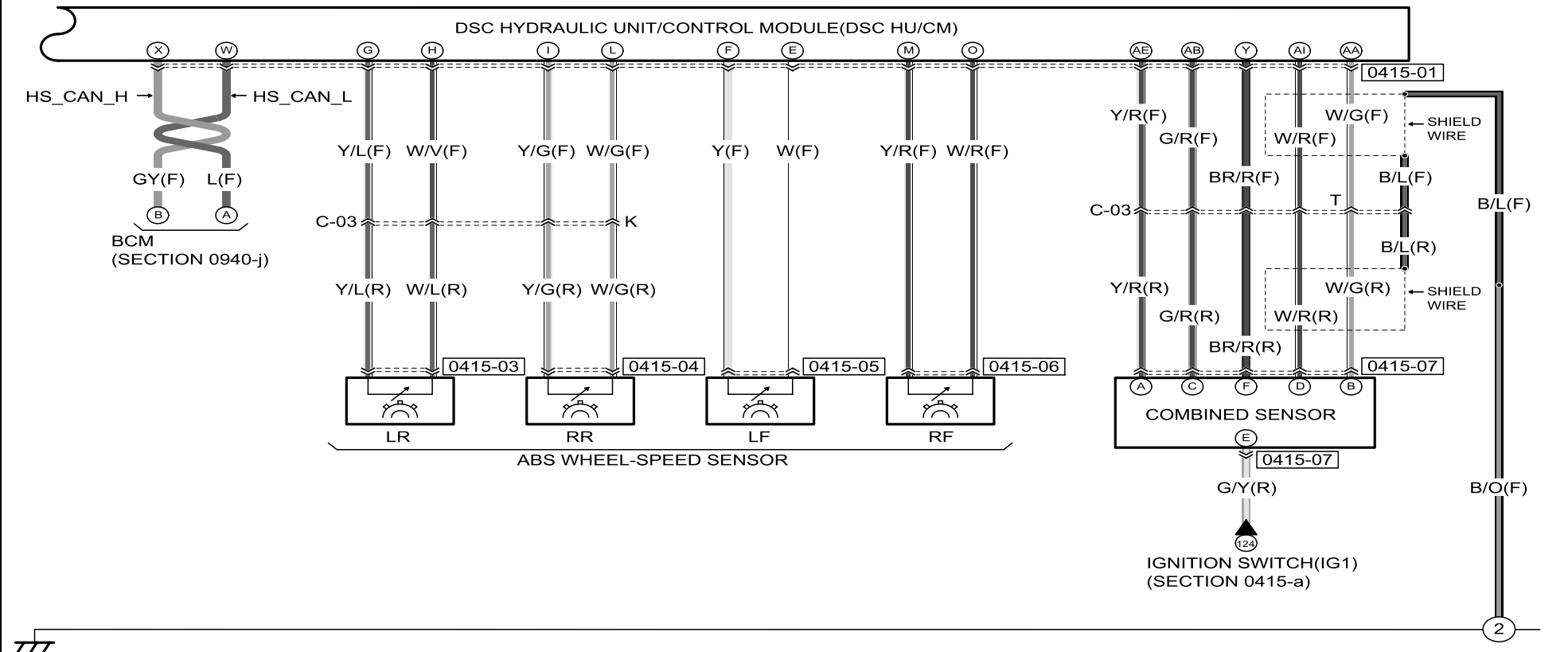
0415-01
DSC HU/CM



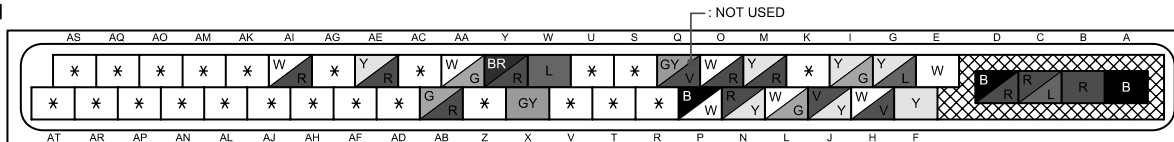
0415-02
TCS OFF SWITCH



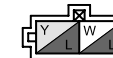




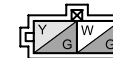
0415-01
DSC HU/CM



0415-03
ABS WHEEL-SPEED
SENSOR LR



0415-04
ABS WHEEL-SPEED
SENSOR RR



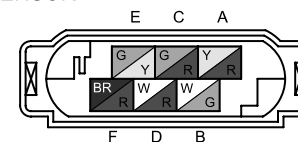
0415-05
ABS WHEEL-SPEED SENSOR LF

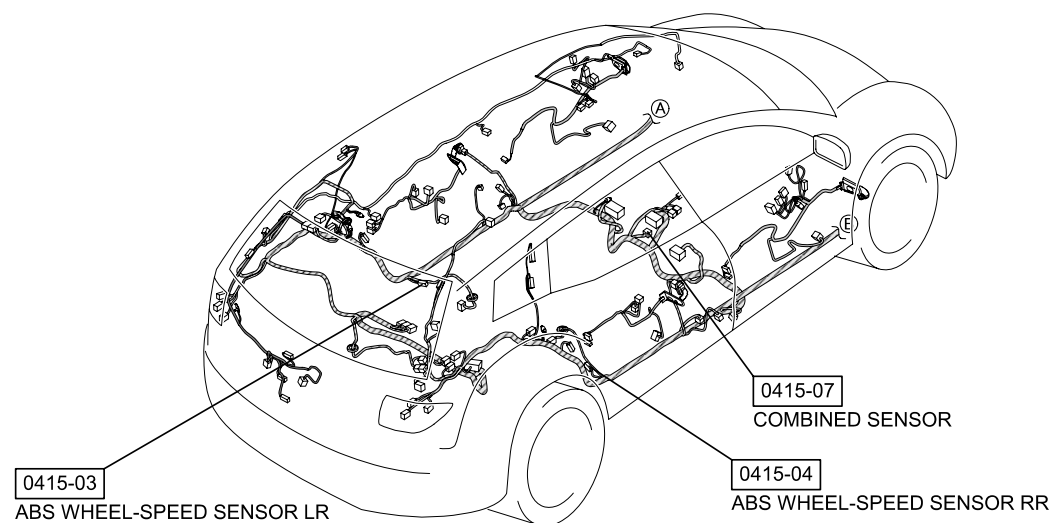
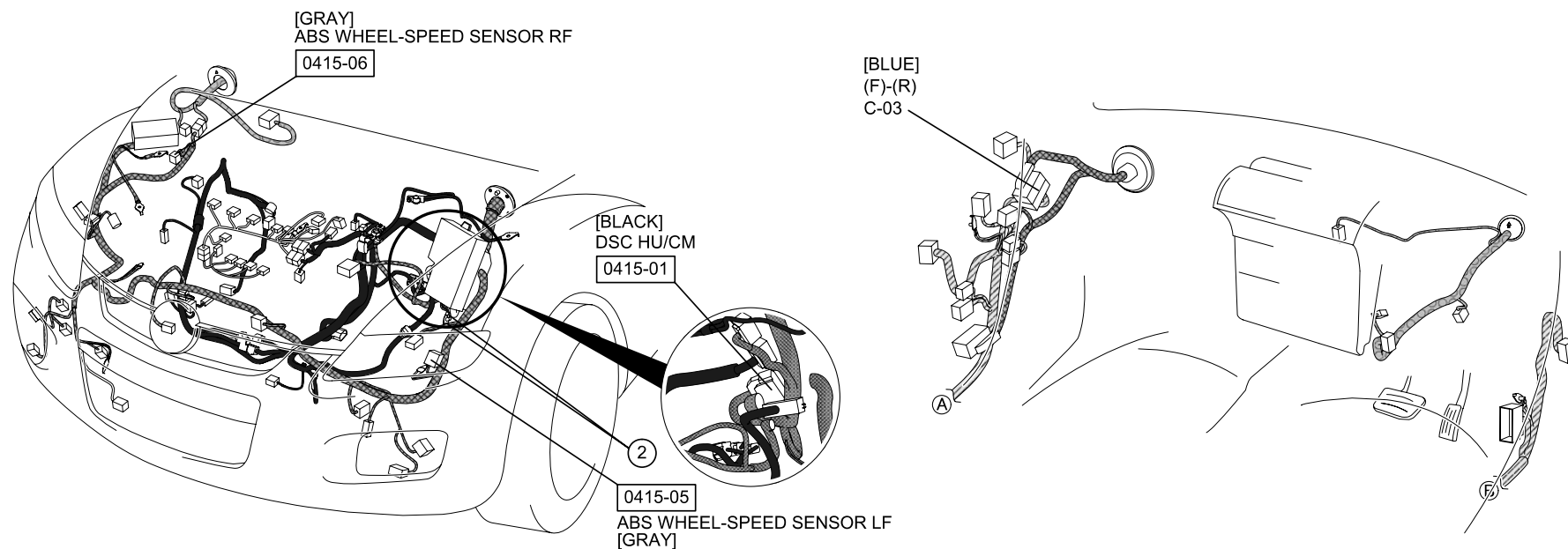


0415-06
ABS WHEEL-SPEED SENSOR RF

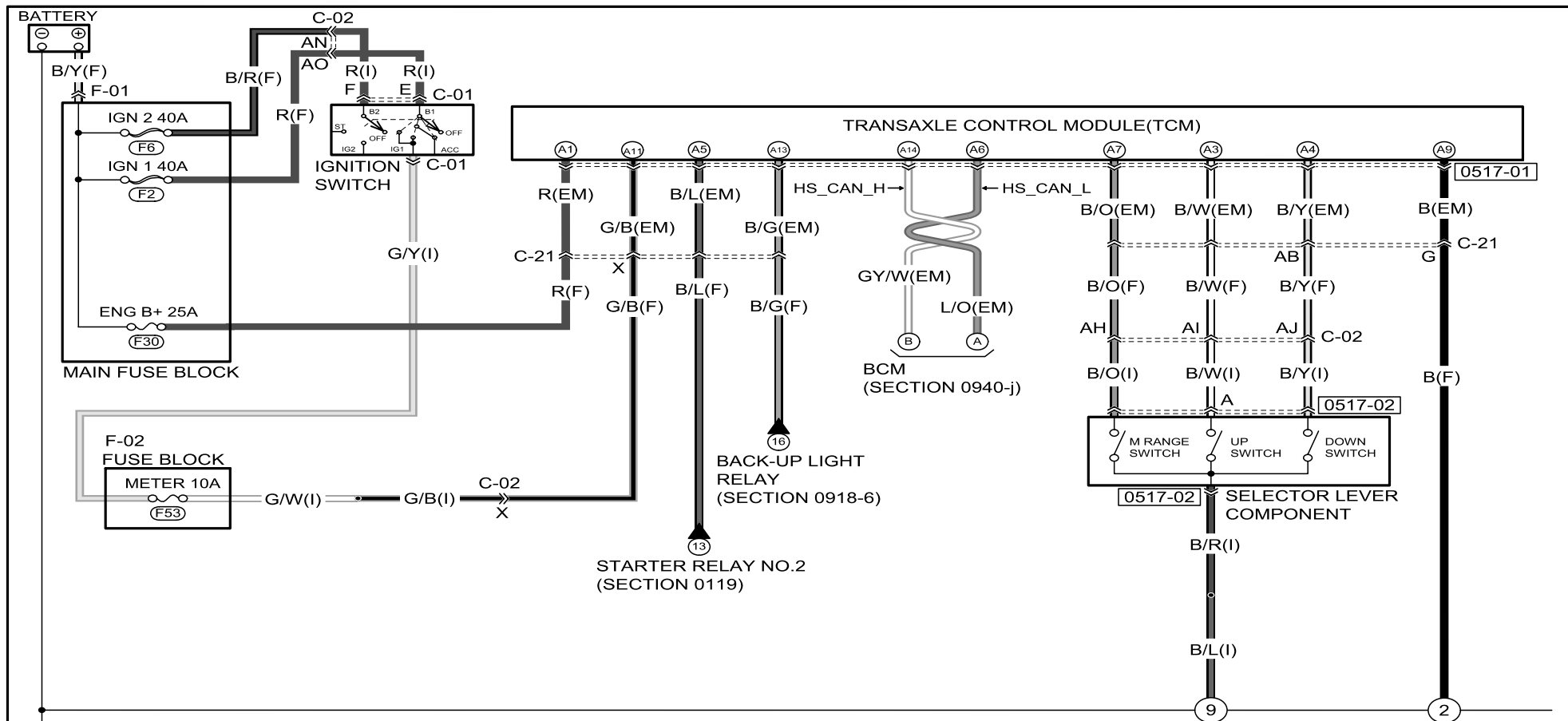


0415-07
COMBINED SENSOR



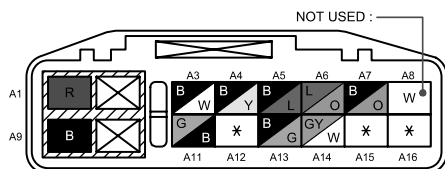


	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS

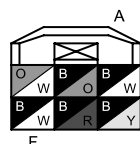


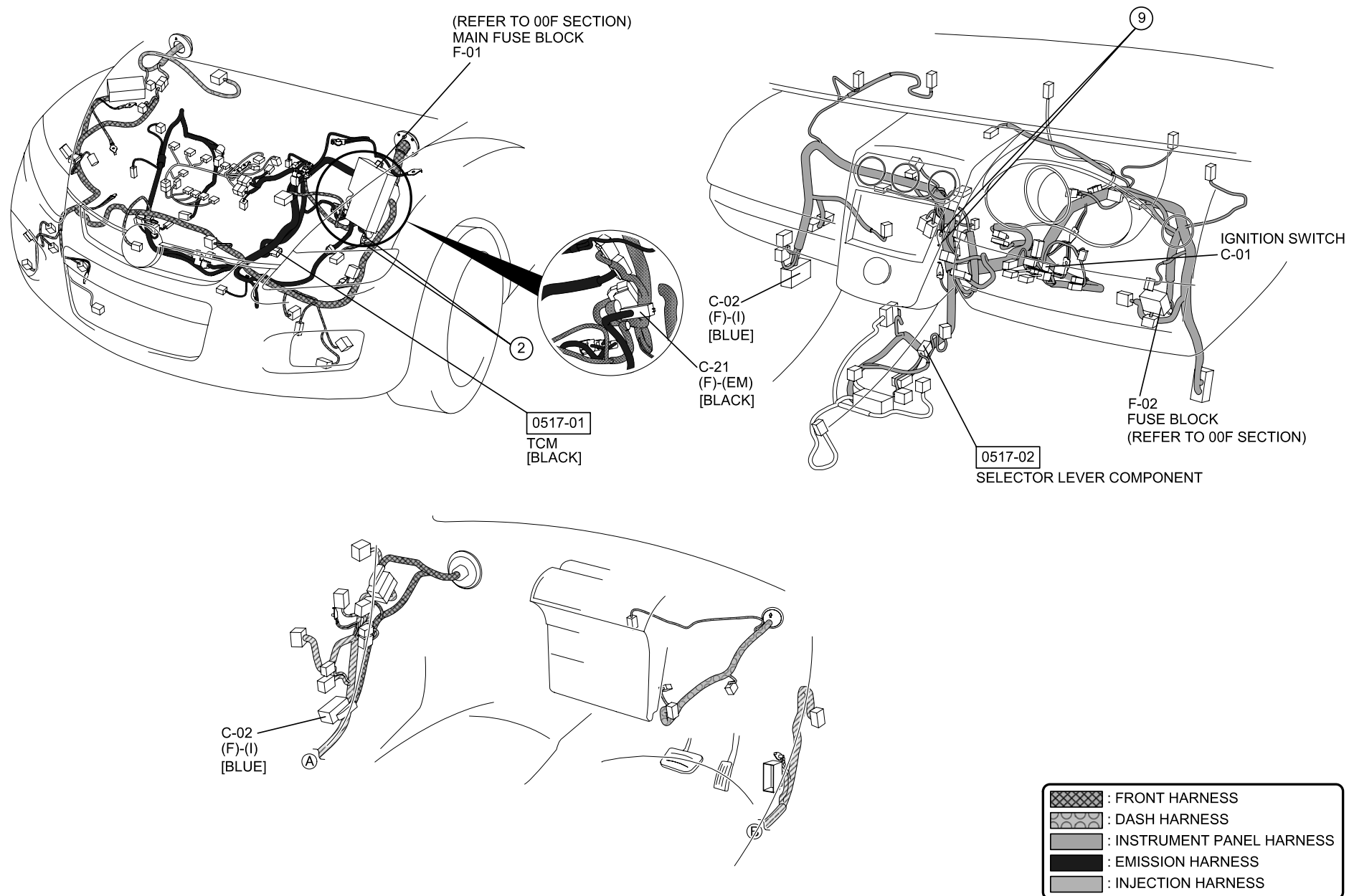
72

0517-01
TCM



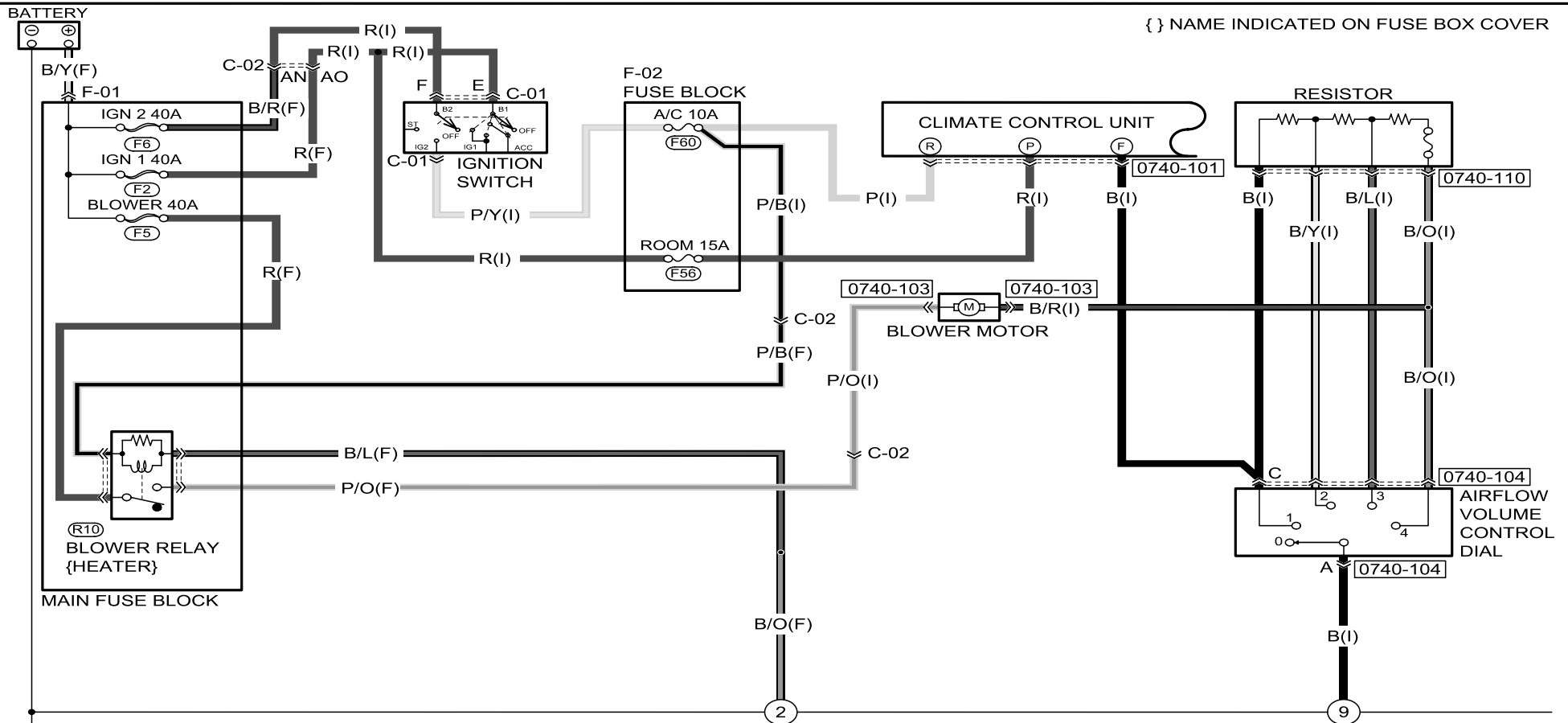
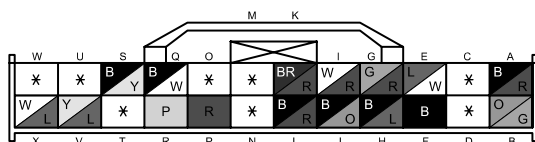
0517-02
SELECTOR LEVER COMPONENT



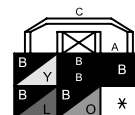


HEATER AND AIR CONDITIONER SYSTEM (MANUAL A/C)

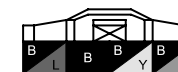
0740-1a

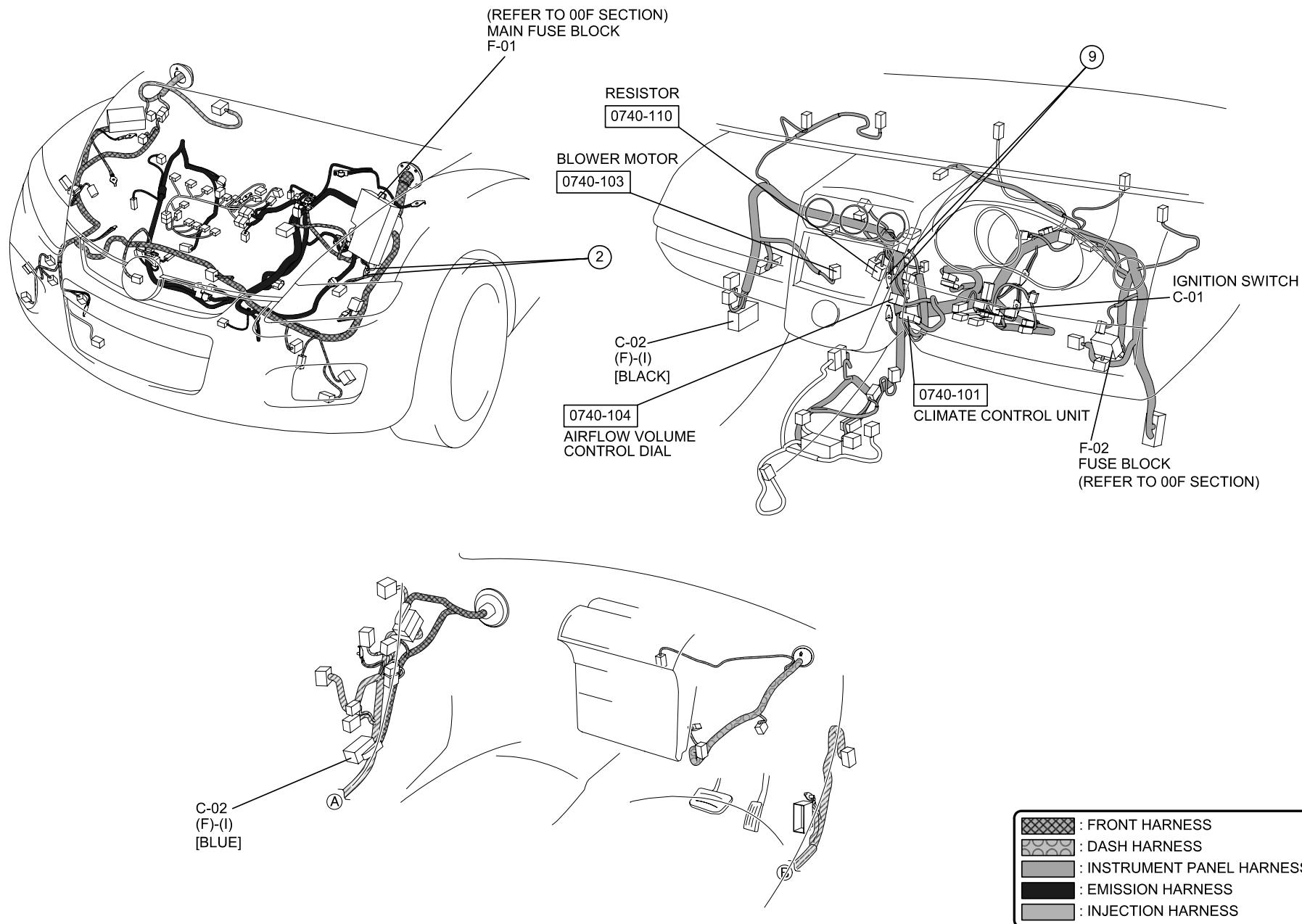
0740-101
CLIMATE CONTROL UNIT

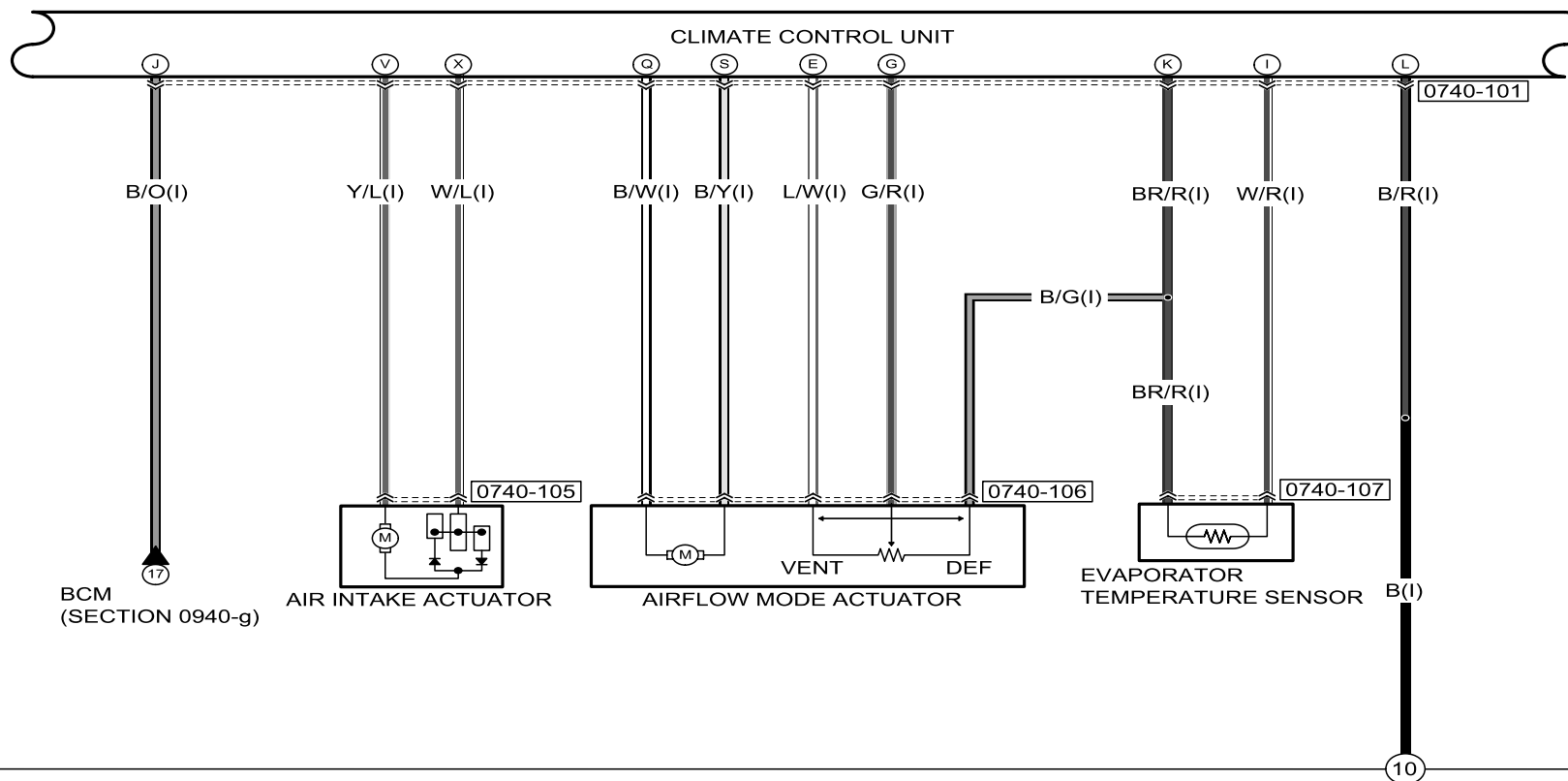
0740-103
BLOWER MOTOR

0740-104
AIRFLOW VOLUME CONTROL DIA

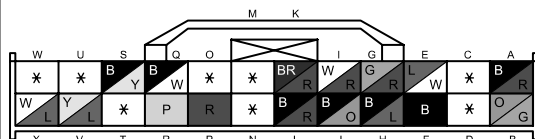
0740-110
RESISTOR



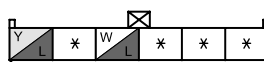




0740-101
CLIMATE CONTROL UNIT



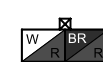
0740-105
AIR INTAKE ACTUATOR

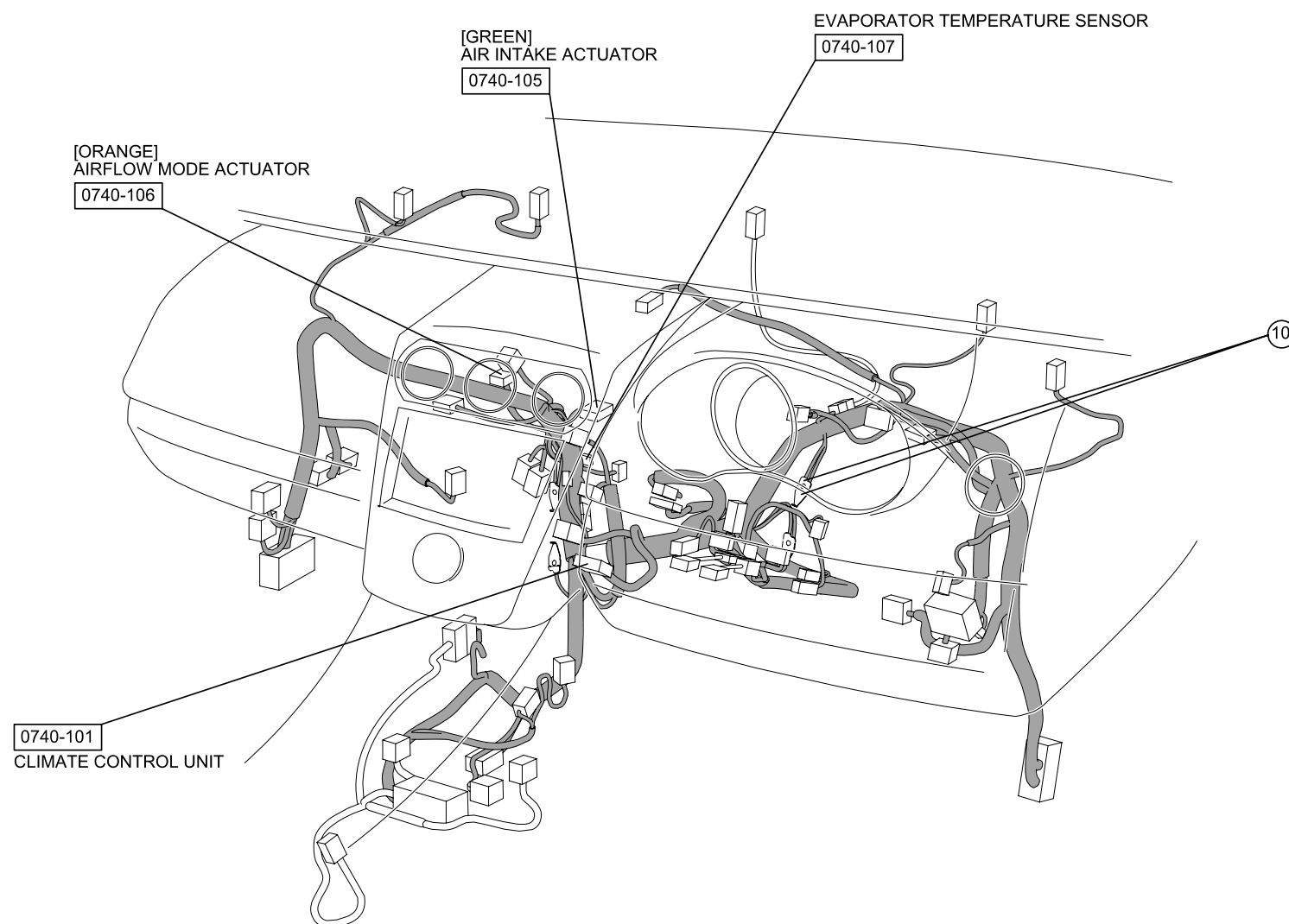


0740-106
AIRFLOW MODE ACTUATOR

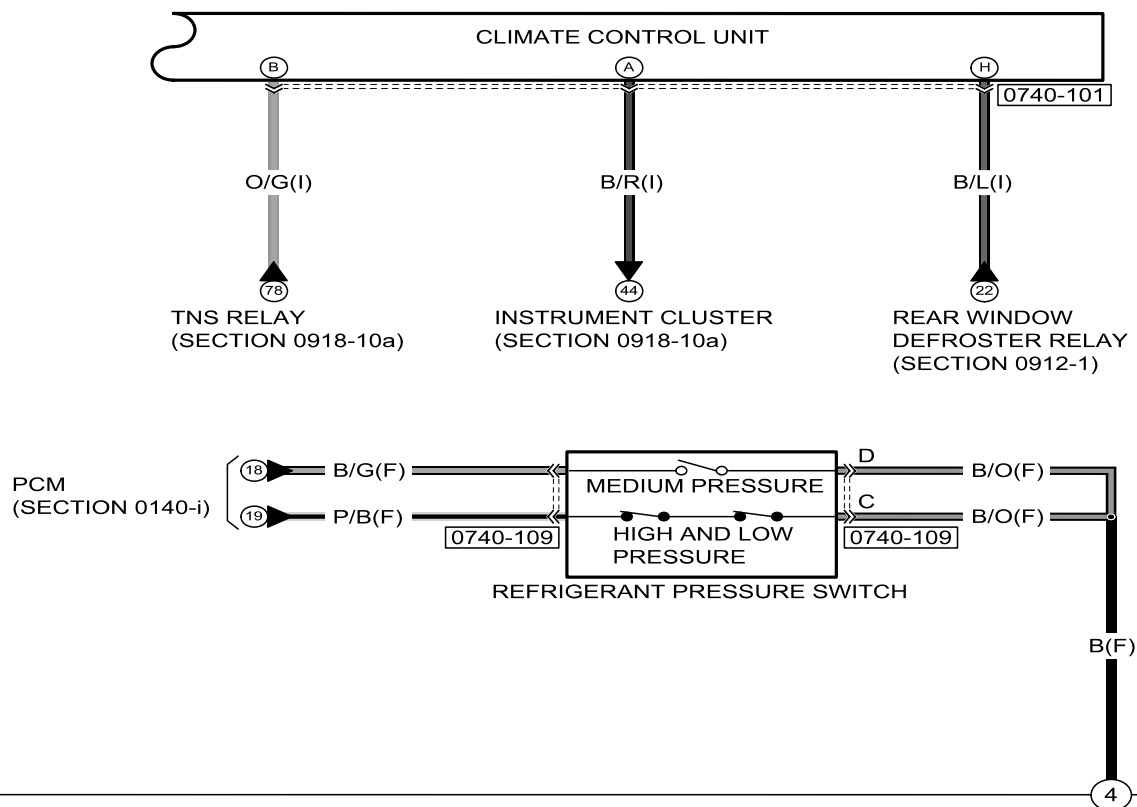


0740-107
EVAPORATOR TEMPERATURE SENSOR



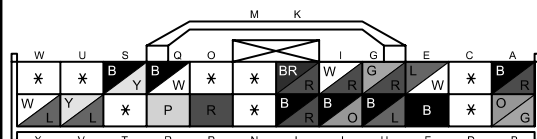


 : INSTRUMENT PANEL HARNESS

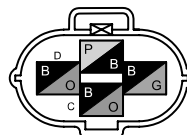


78

0740-101
CLIMATE CONTROL UNIT








0740-109
REFRIGERANT PRESSURE SWITCH

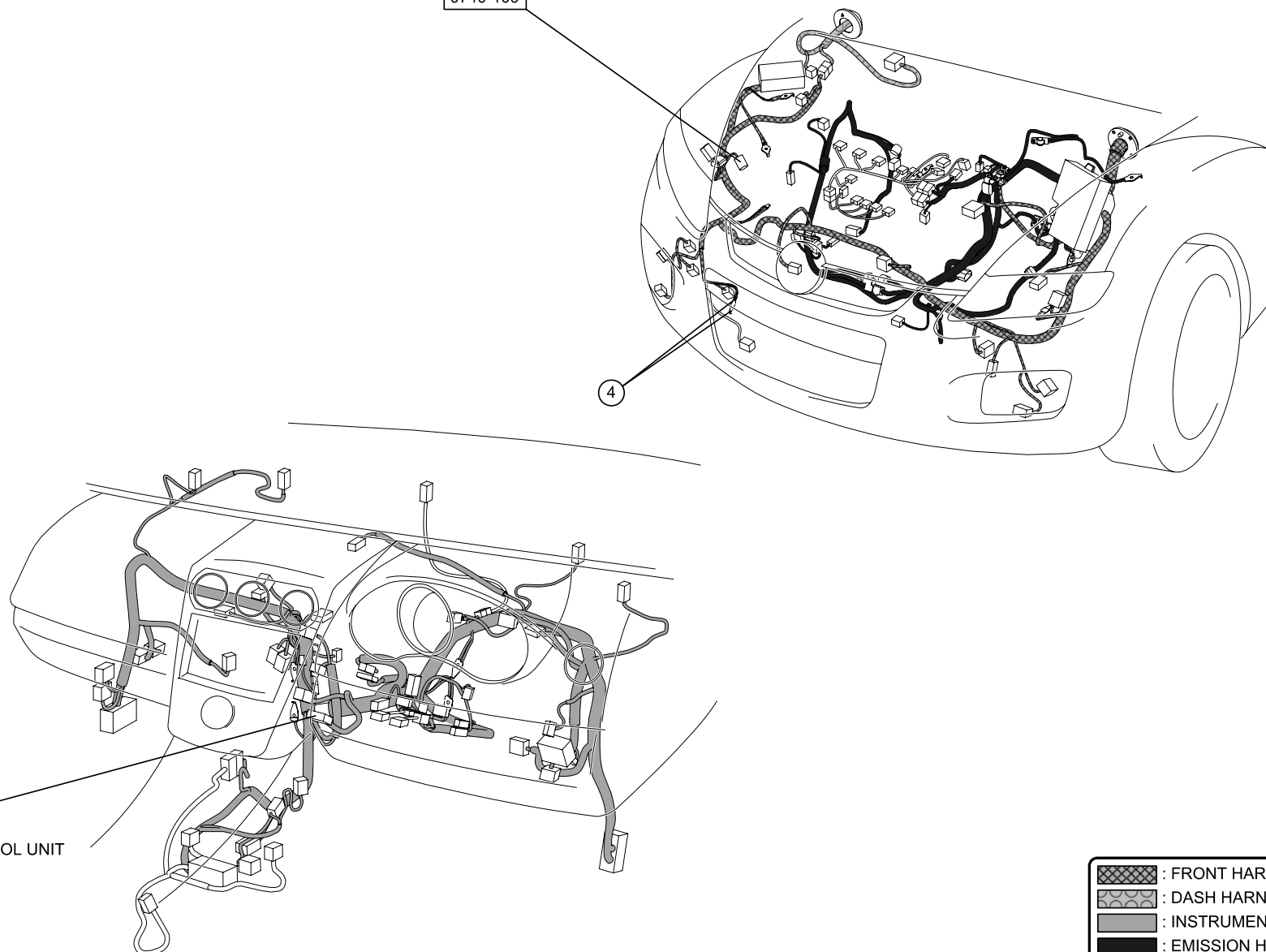


[BLACK]
REFRIGERANT PRESSURE SWITCH
0740-109

4

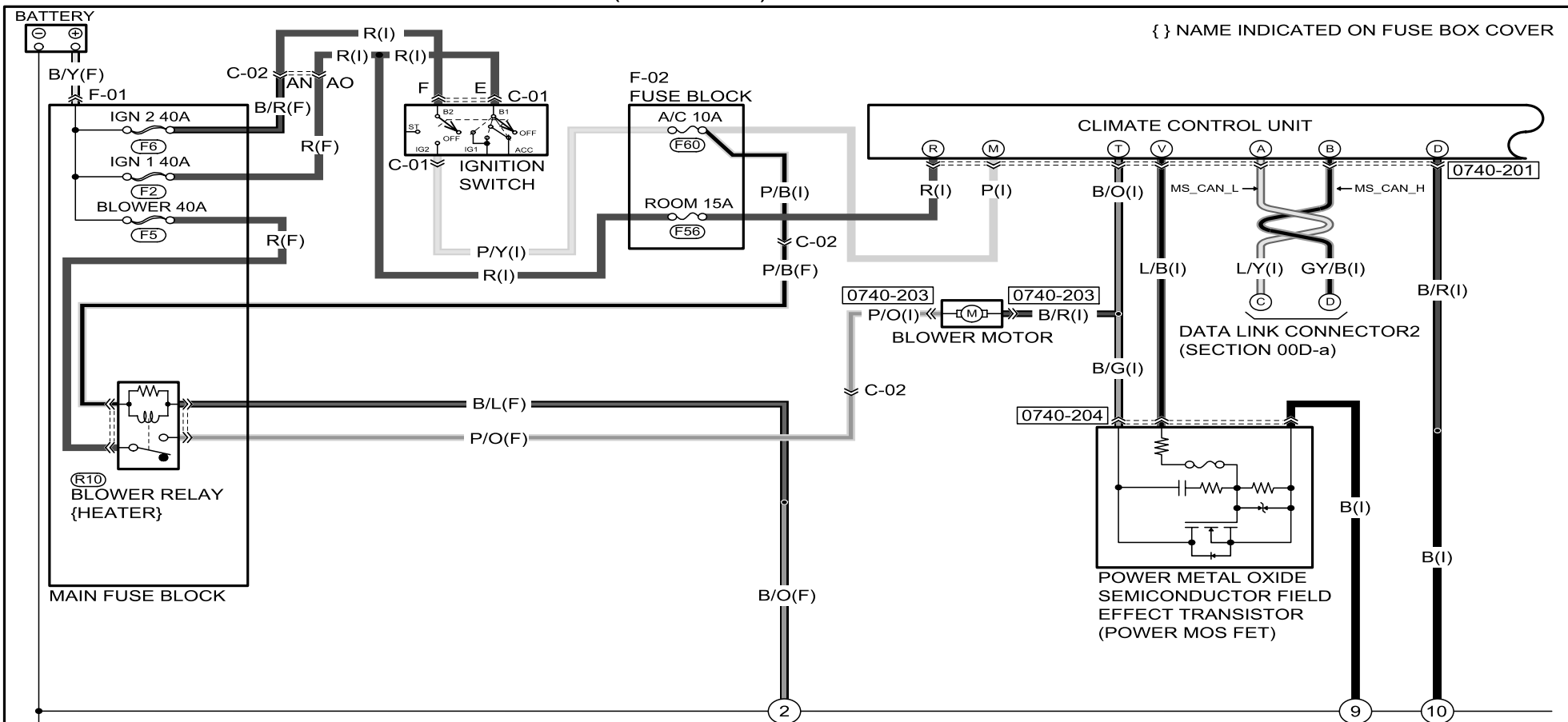
0740-101
CLIMATE CONTROL UNIT

-  : FRONT HARNESS
-  : DASH HARNESS
-  : INSTRUMENT PANEL HARNESS
-  : EMISSION HARNESS
-  : INJECTION HARNESS

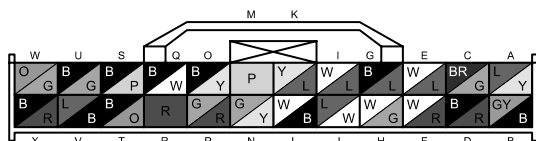


HEATER AND AIR CONDITIONER SYSTEM (AUTO A/C)

0740-2a



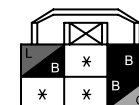
0740-201
CLIMATE CONTROL UNIT

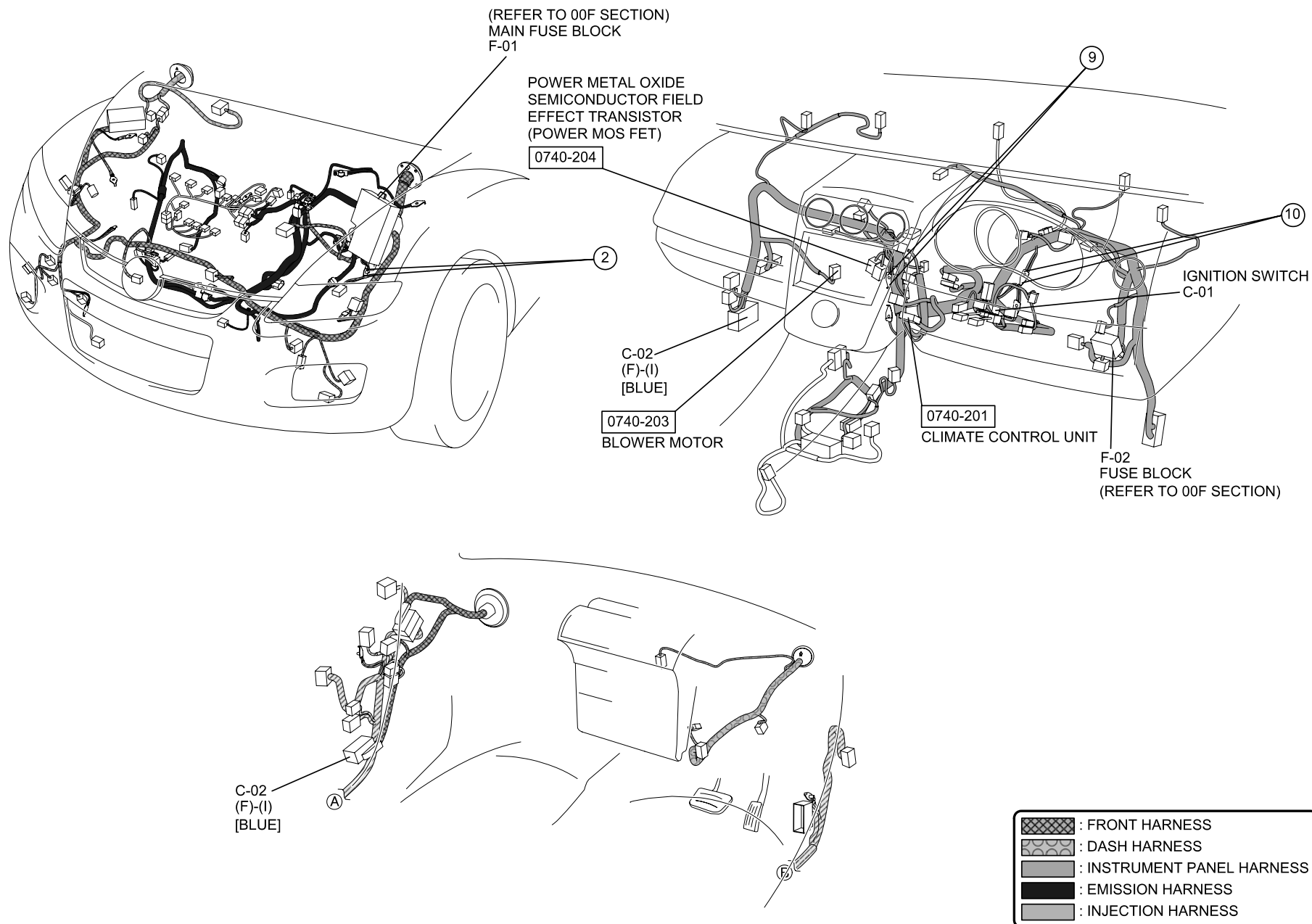


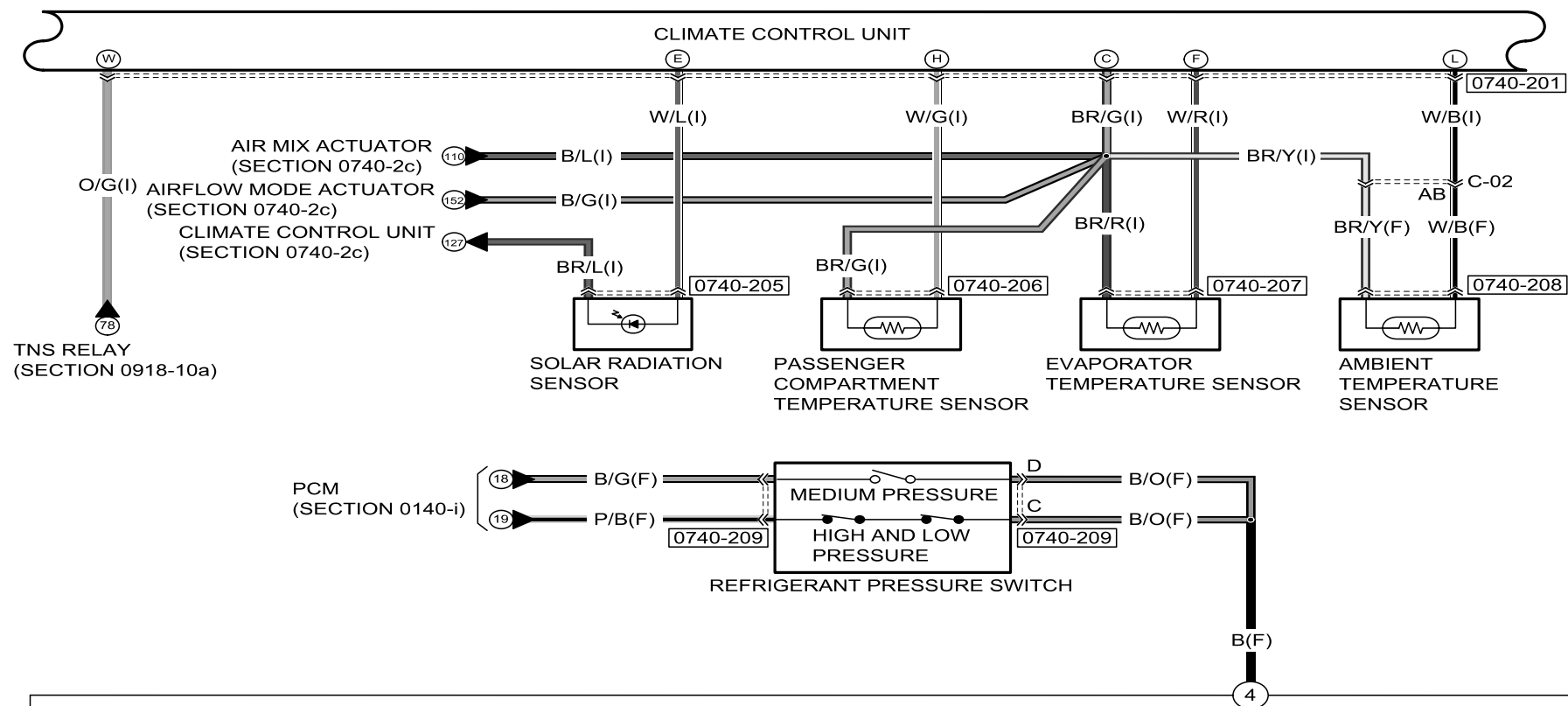
0740-203
BLOWER MOTOR



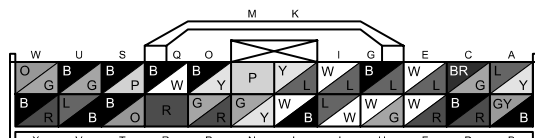
0740-204	POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR(POWER MOS FET)
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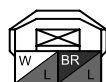




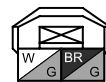
0740-201
CLIMATE CONTROL UNIT



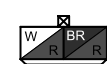
0740-205
SOLAR RADIATION
SENSOR



0740-206
PASSENGER COMPARTMENT TEMPERATURE
SENSOR



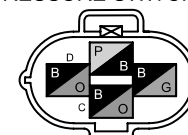
0740-207
EVAPORATOR TEMPERATURE SENSOR



0740-208
AMBIENT TEMPERATURE SENSOR



0740-209
REFRIGERANT PRESSURE SWITCH

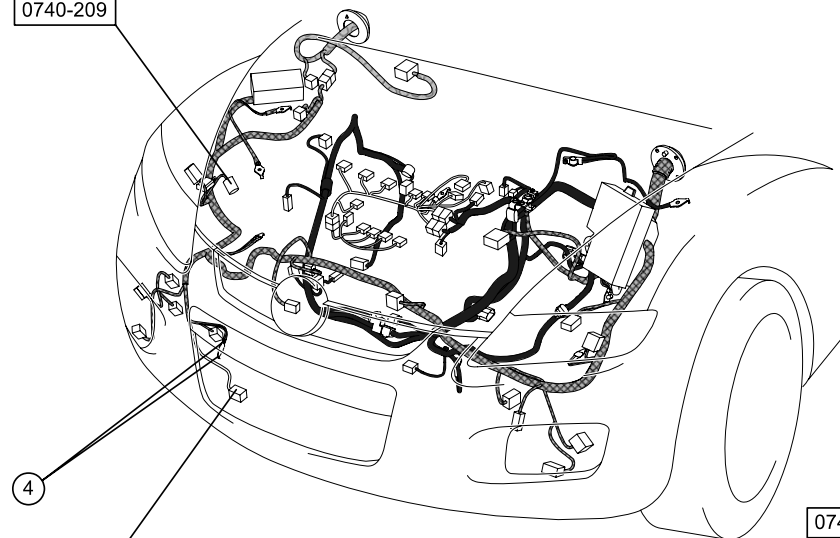


HEATER AND AIR CONDITIONER SYSTEM (AUTO A/C)

0740-2b

83

[BLACK]
REFRIGERANT PRESSURE SWITCH
0740-209



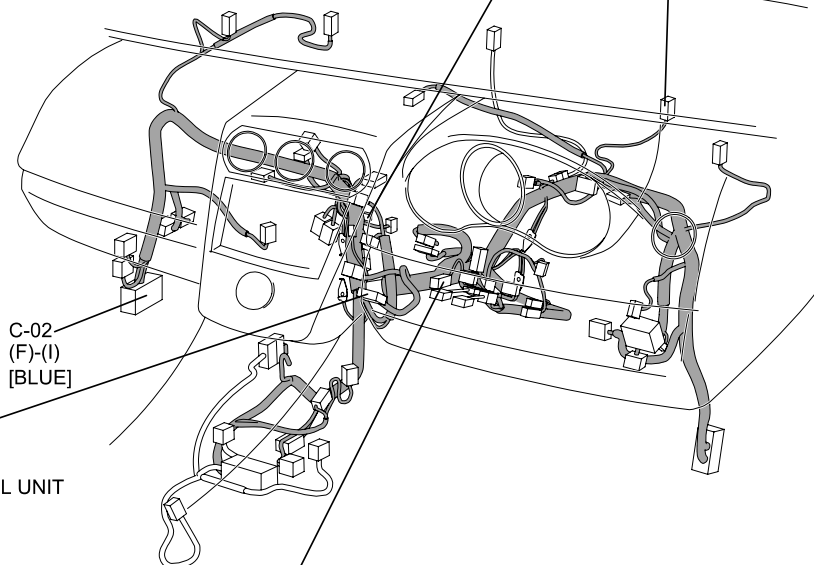
0740-208
AMBIENT TEMPERATURE SENSOR
[GRAY]

0740-201
CLIMATE CONTROL UNIT

C-02
(F)-(I)
[BLUE]

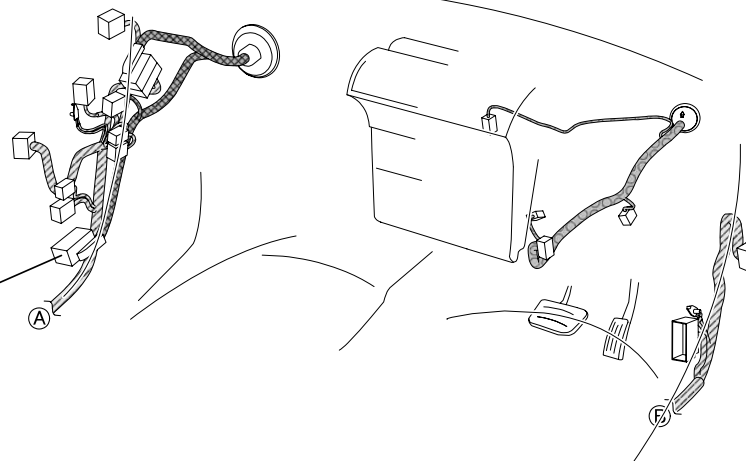
EVAPORATOR TEMPERATURE SENSOR
0740-207

SOLAR RADIATION SENSOR
0740-205

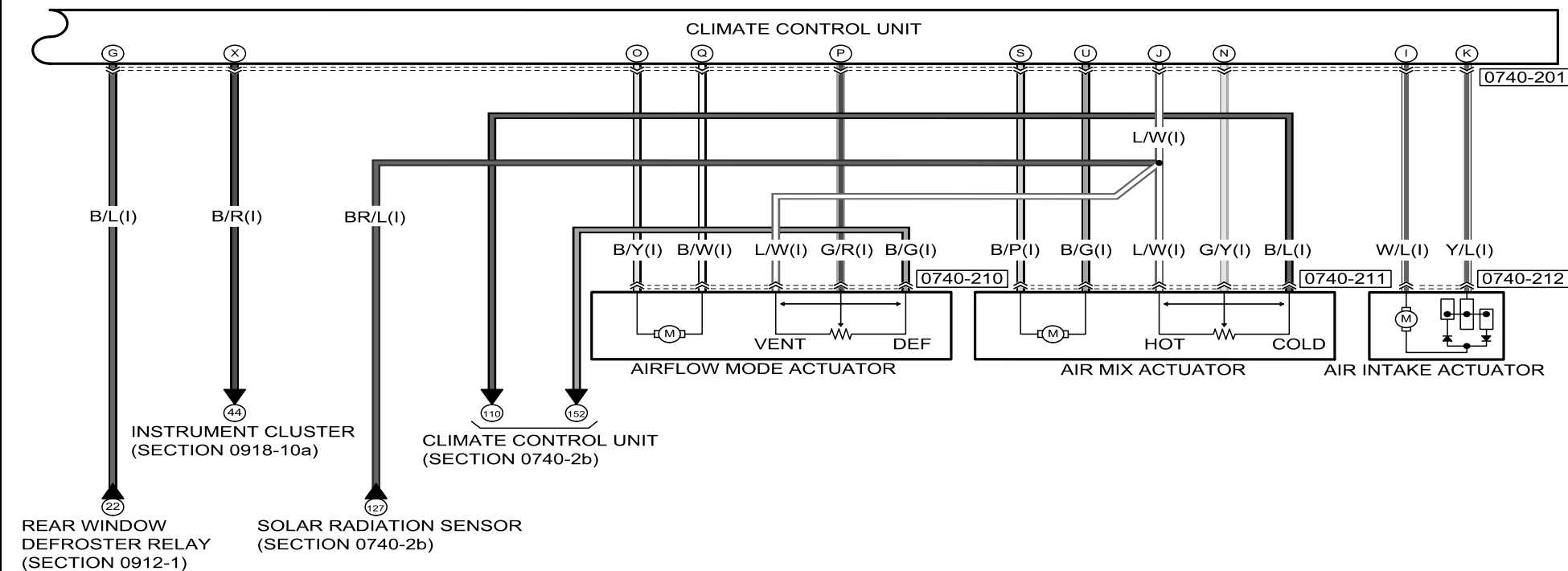


0740-206
PASSENGER COMPARTMENT TEMPERATURE SENSOR

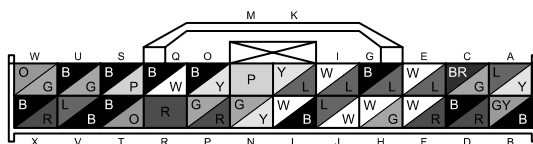
C-02
(F)-(I)
[BLUE]



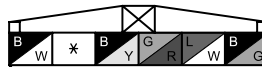
	: FRONT HARNESS
	: DASH HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: INJECTION HARNESS



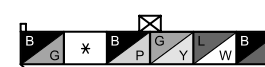
0740-201
CLIMATE CONTROL UNIT



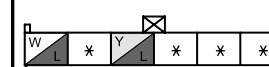
0740-210
AIRFLOW MODE ACTUATOR

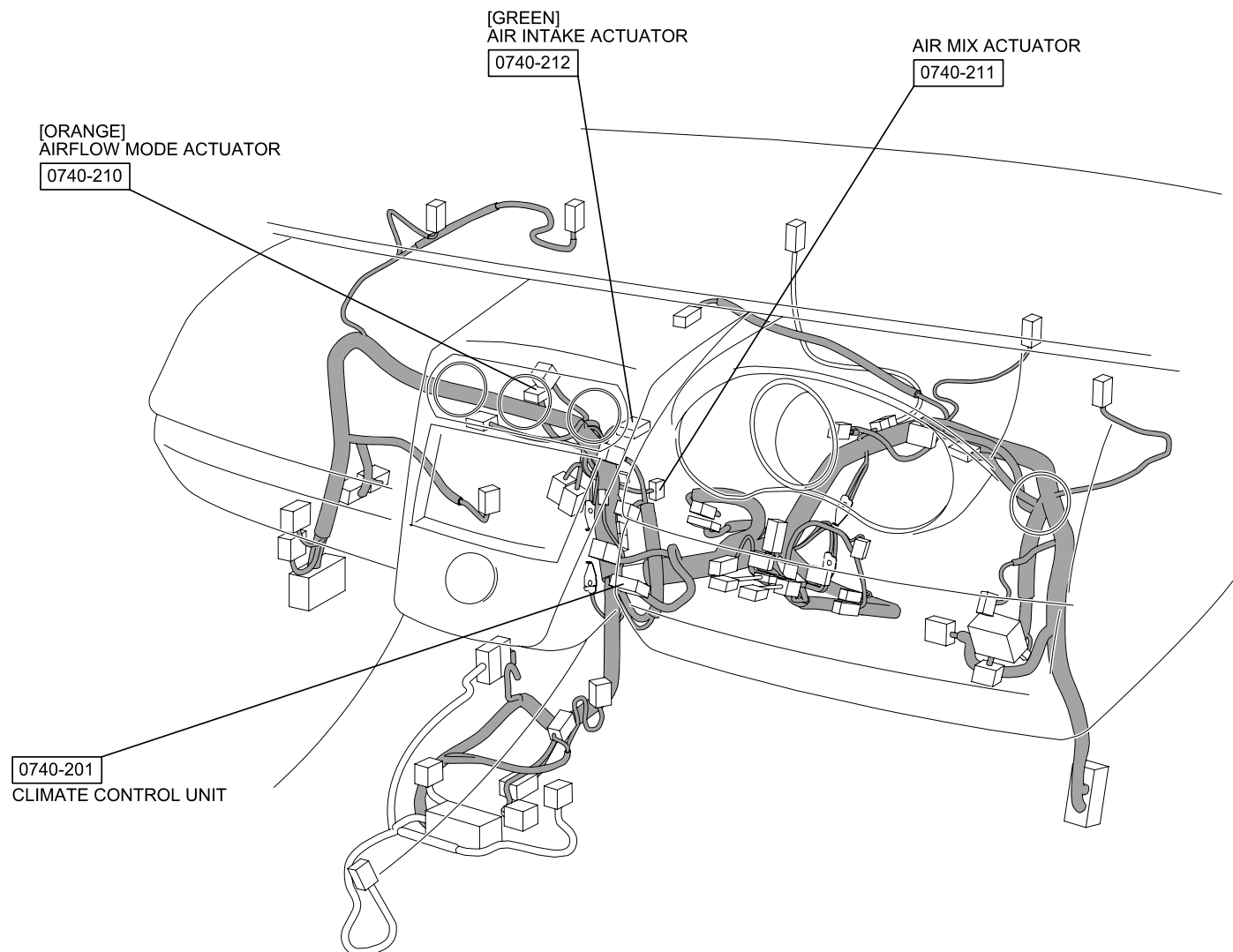


0740-211
AIR MIX ACTUATOR



0740-212
AIR INTAKE ACTUATOR

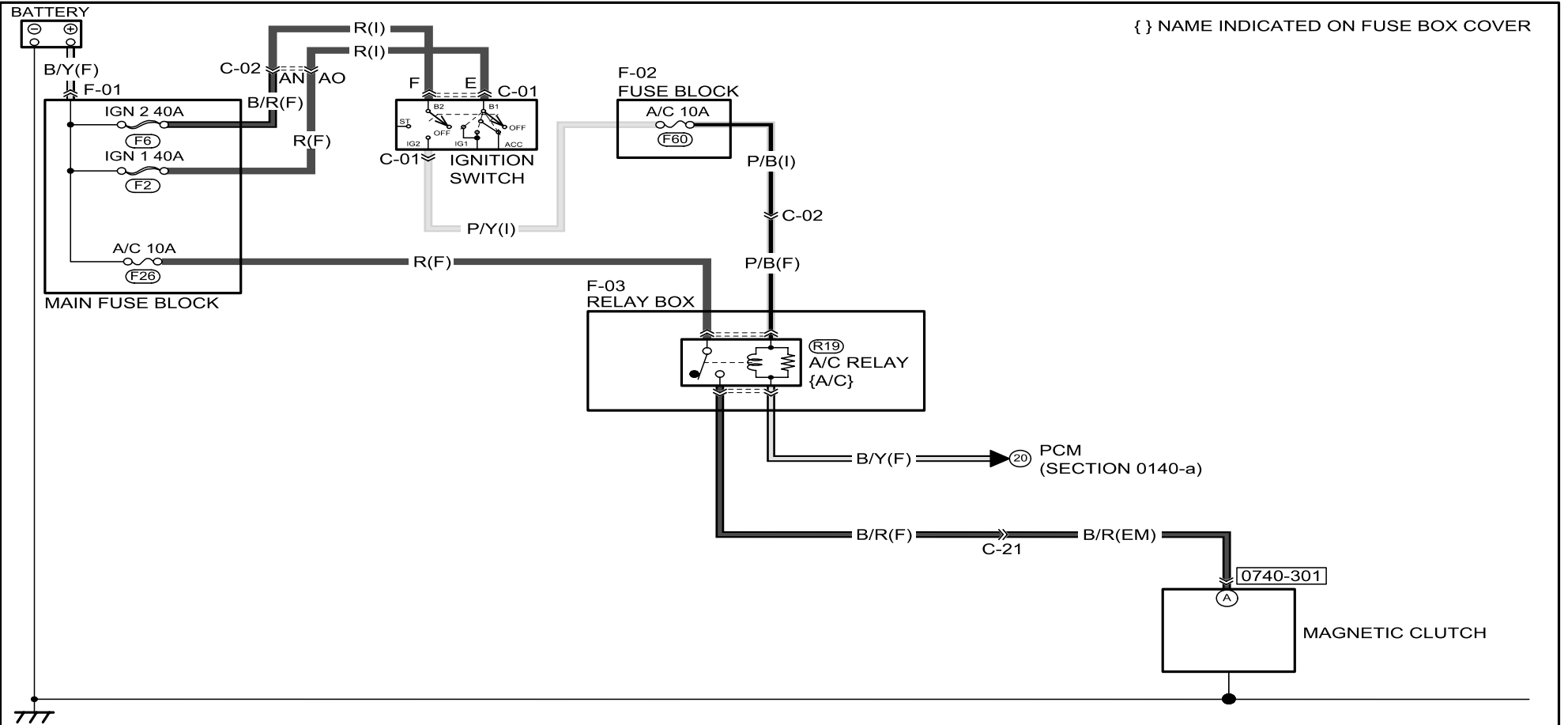




 : INSTRUMENT PANEL HARNESS

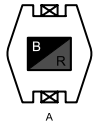
A/C COMPRESSOR CONTROL

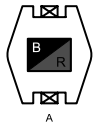
0740-3

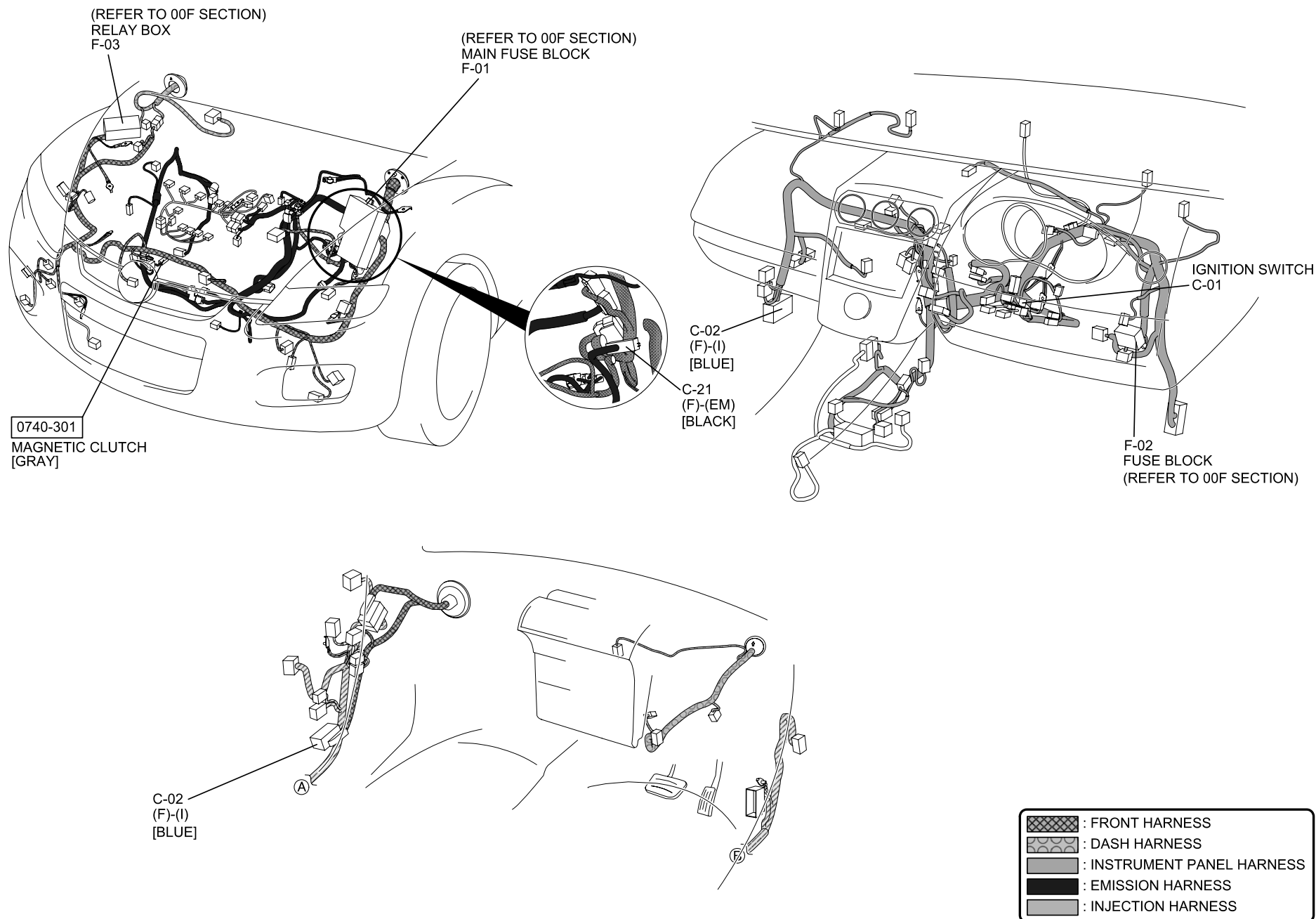


98

0740-301
MAGNETIC CLUTCH

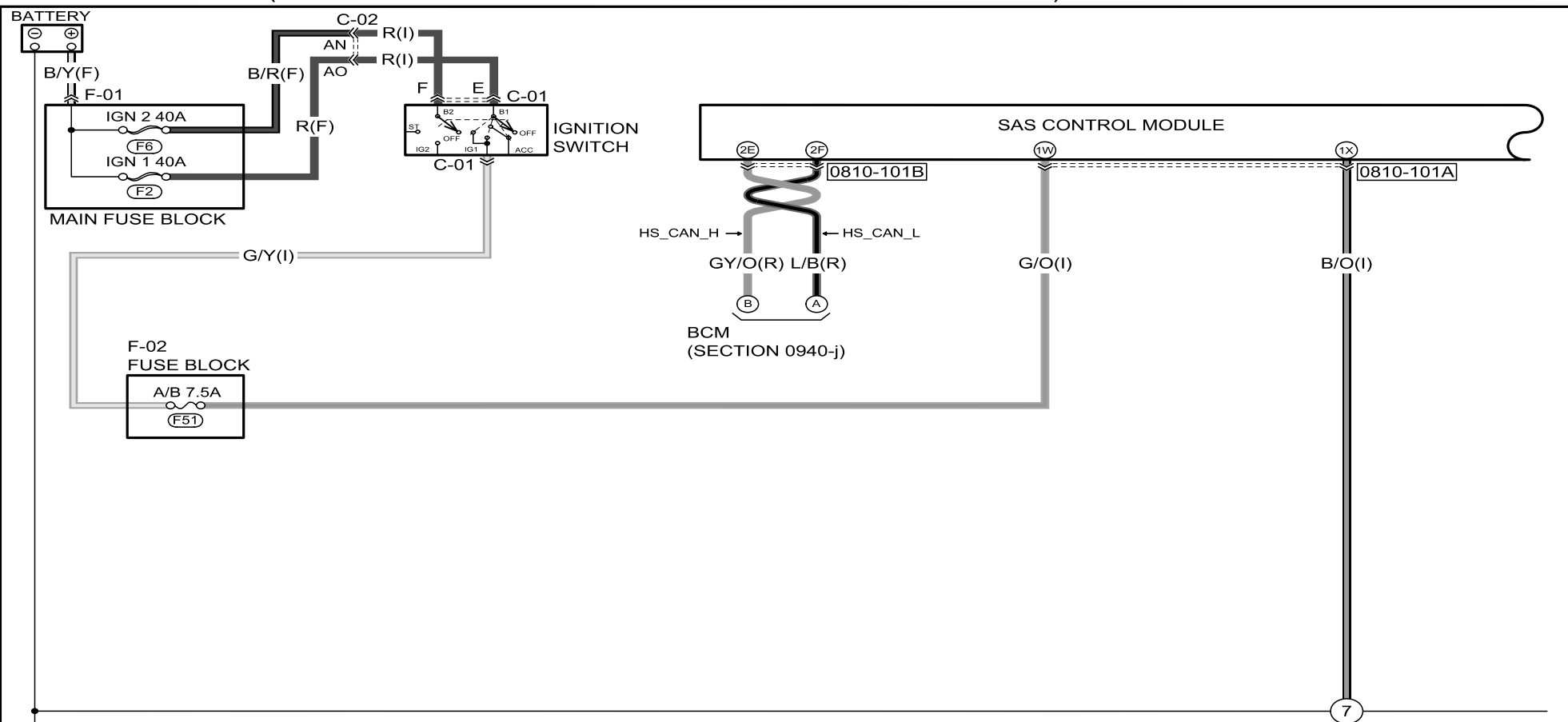


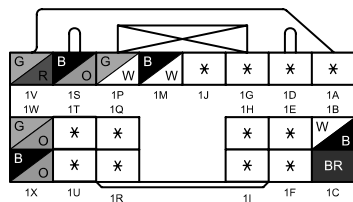


AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

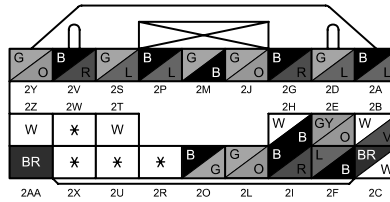
0810-1a



0810-101A
SAS CONTROL MODULE



0810-101B
SAS CONTROL MODULE

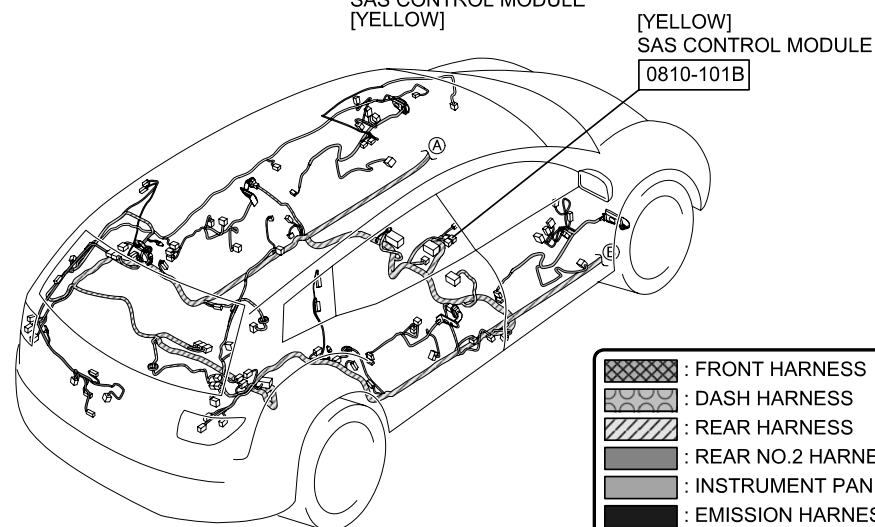
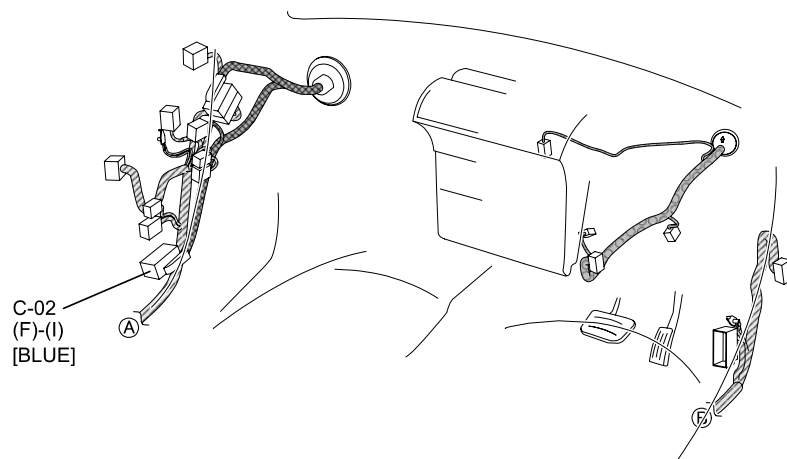
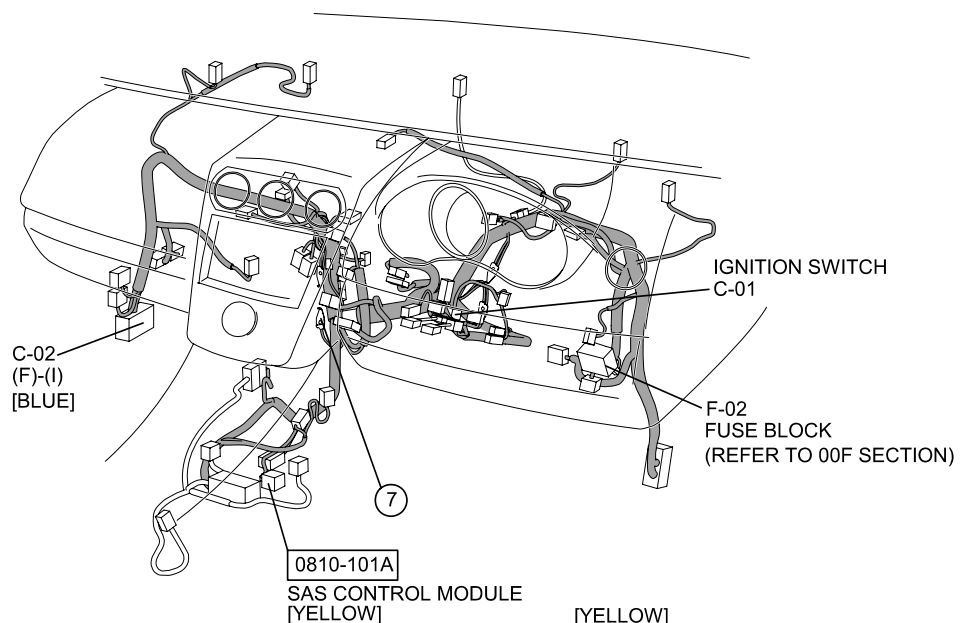
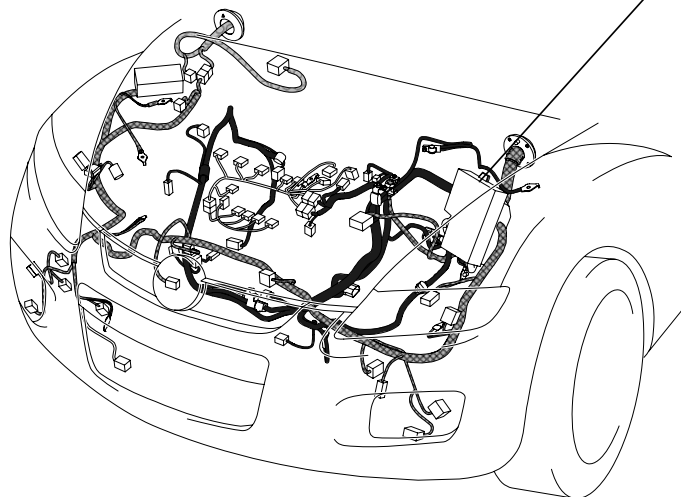


AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

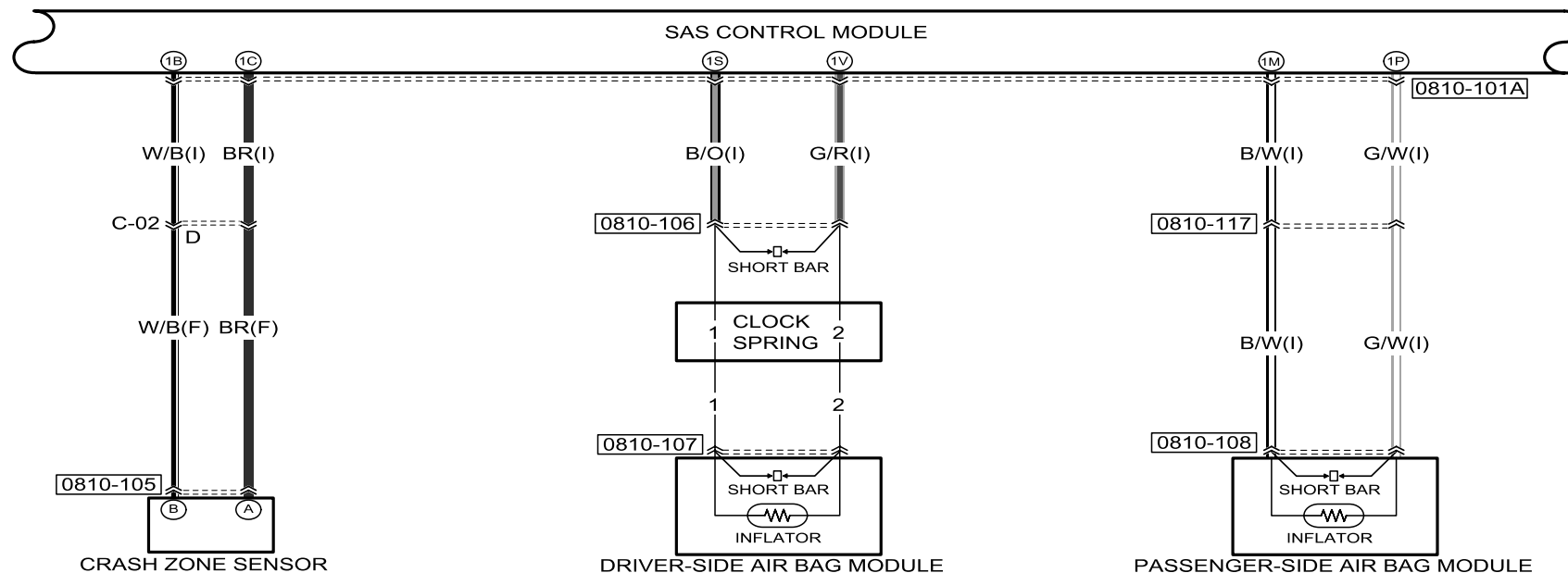
0810-1a

68

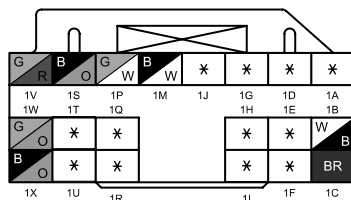
(REFER TO 00F SECTION)
MAIN FUSE BLOCK
F-01



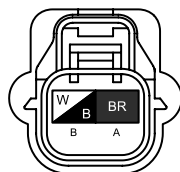
	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS



0810-101A
SAS CONTROL MODULE

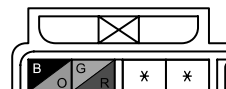


0810-105
CRASH ZONE SENSOR

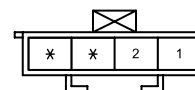


0810-106
INSTRUMENT PANEL HARNESS-CLOCK SPRING

INSTRUMENT PANEL HARNESS

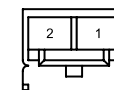


CLOCK SPRING



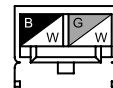
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0810-107
DRIVER-SIDE AIR BAG MODULE

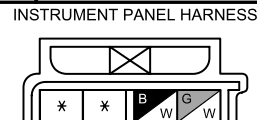


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS

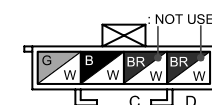
0810-108
PASSENGER-SIDE AIR BAG MODULE



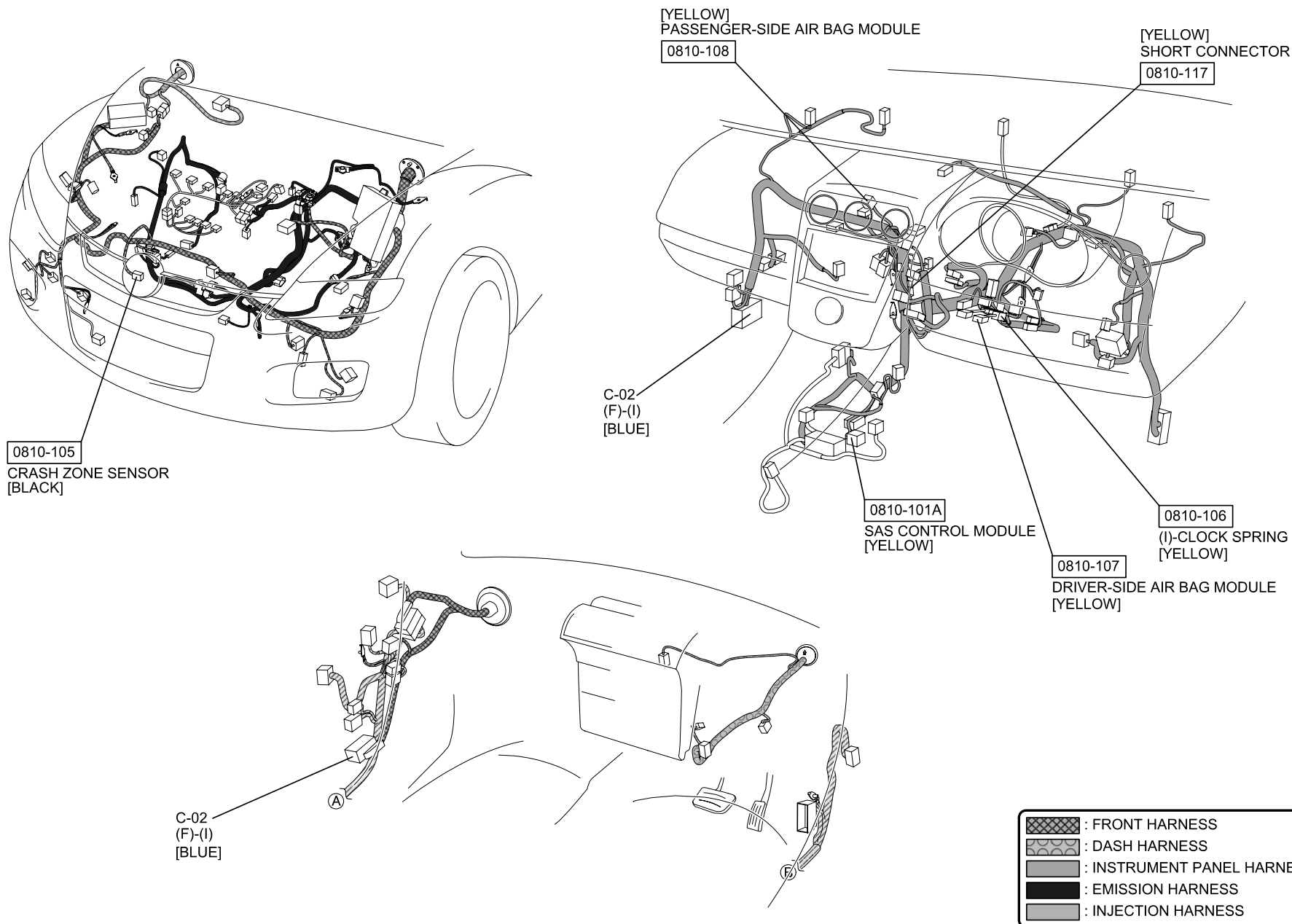
0810-117
SHORT CONNECTOR

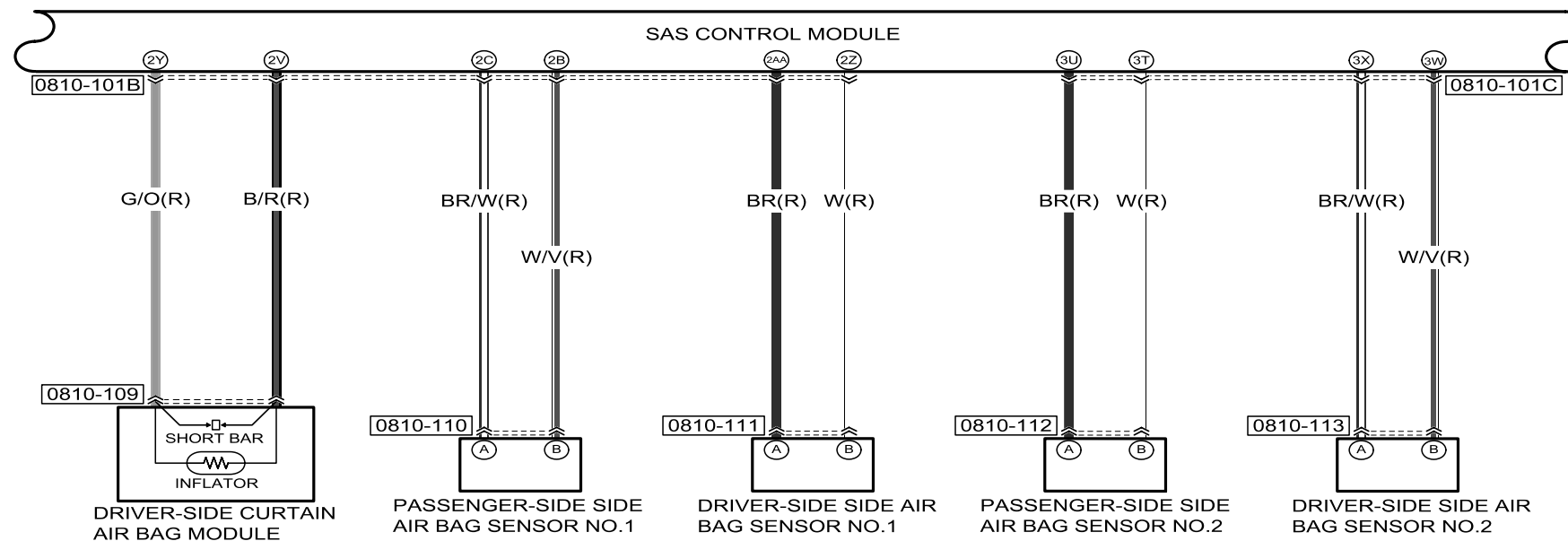


INSTRUMENT PANEL HARNESS

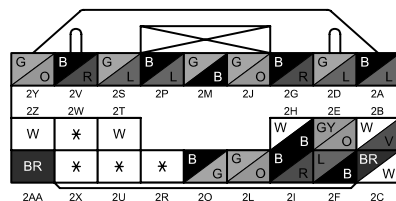


NOT USED

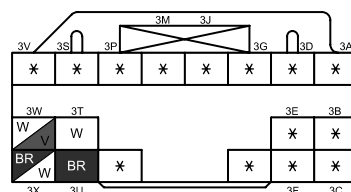




0810-101B
SAS CONTROL MODULE



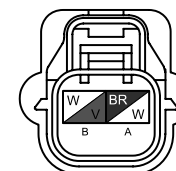
0810-101C
SAS CONTROL MODULE



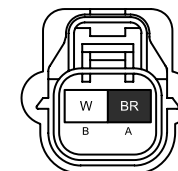
0810-109
DRIVER-SIDE CURTAIN AIR BAG MODULE



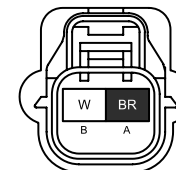
0810-110
PASSENGER-SIDE
SIDE AIR BAG
SENSOR NO.1



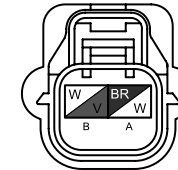
0810-111
DRIVER-SIDE SIDE
AIR BAG SENSOR
NO.1



0810-112
PASSENGER-SIDE
SIDE AIR BAG
SENSOR NO.2



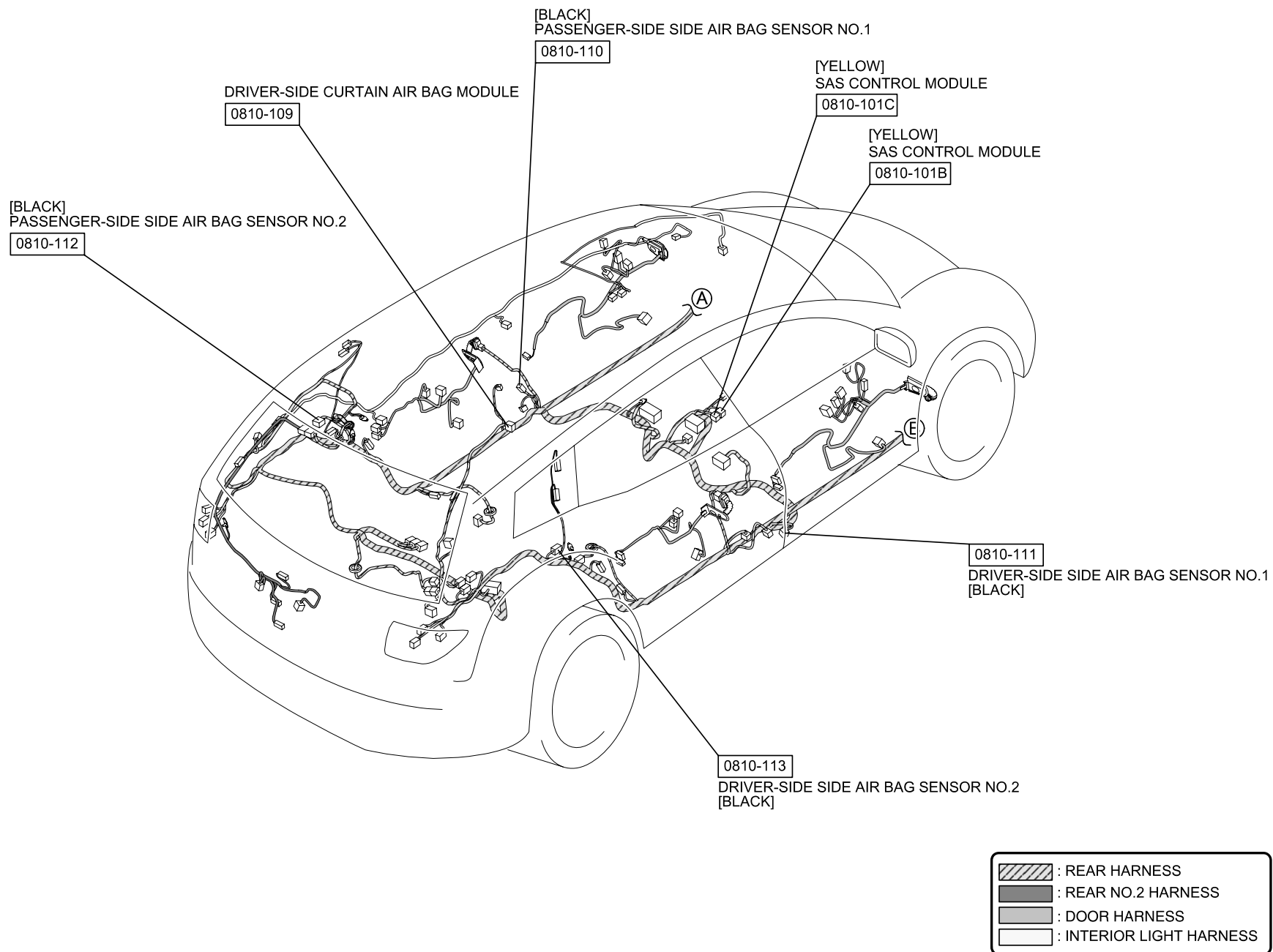
0810-113
DRIVER-SIDE SIDE
AIR BAG SENSOR
NO.2

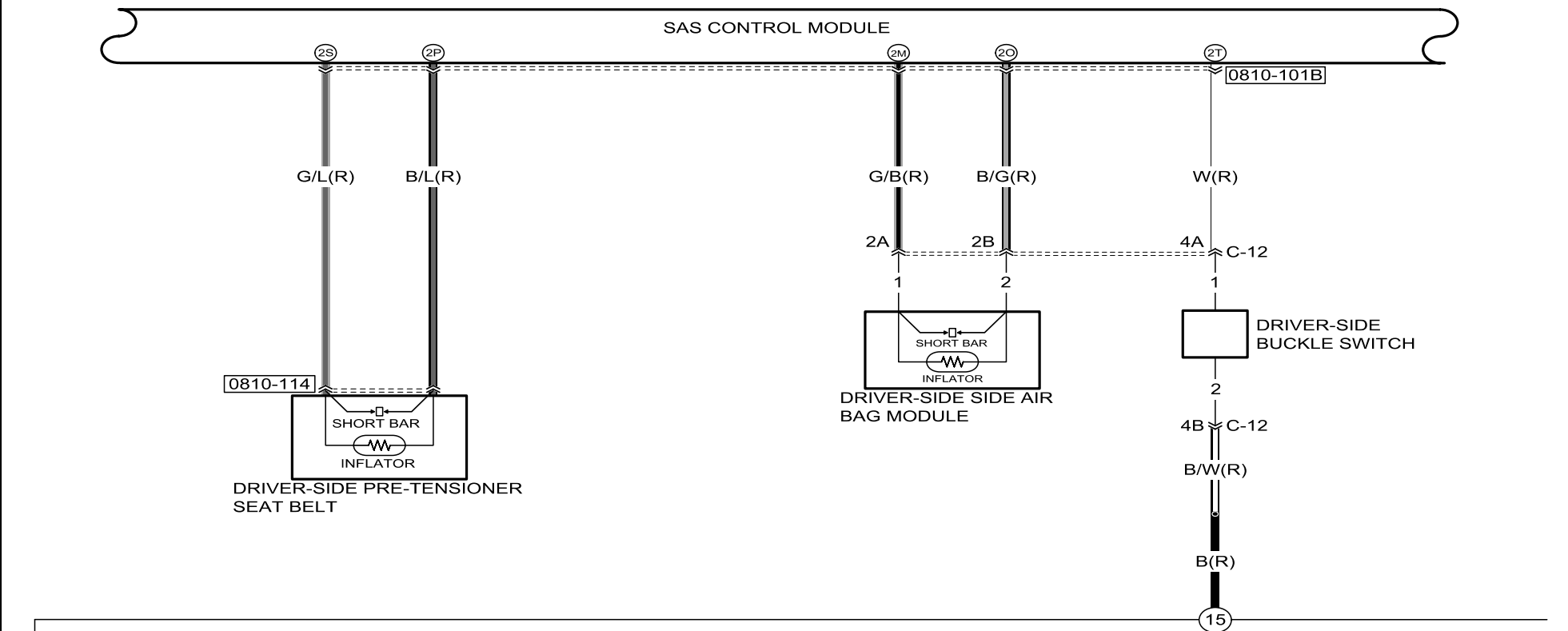


AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

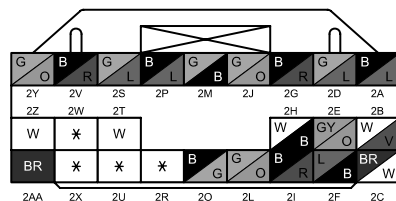
0810-1c

93

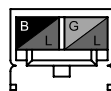


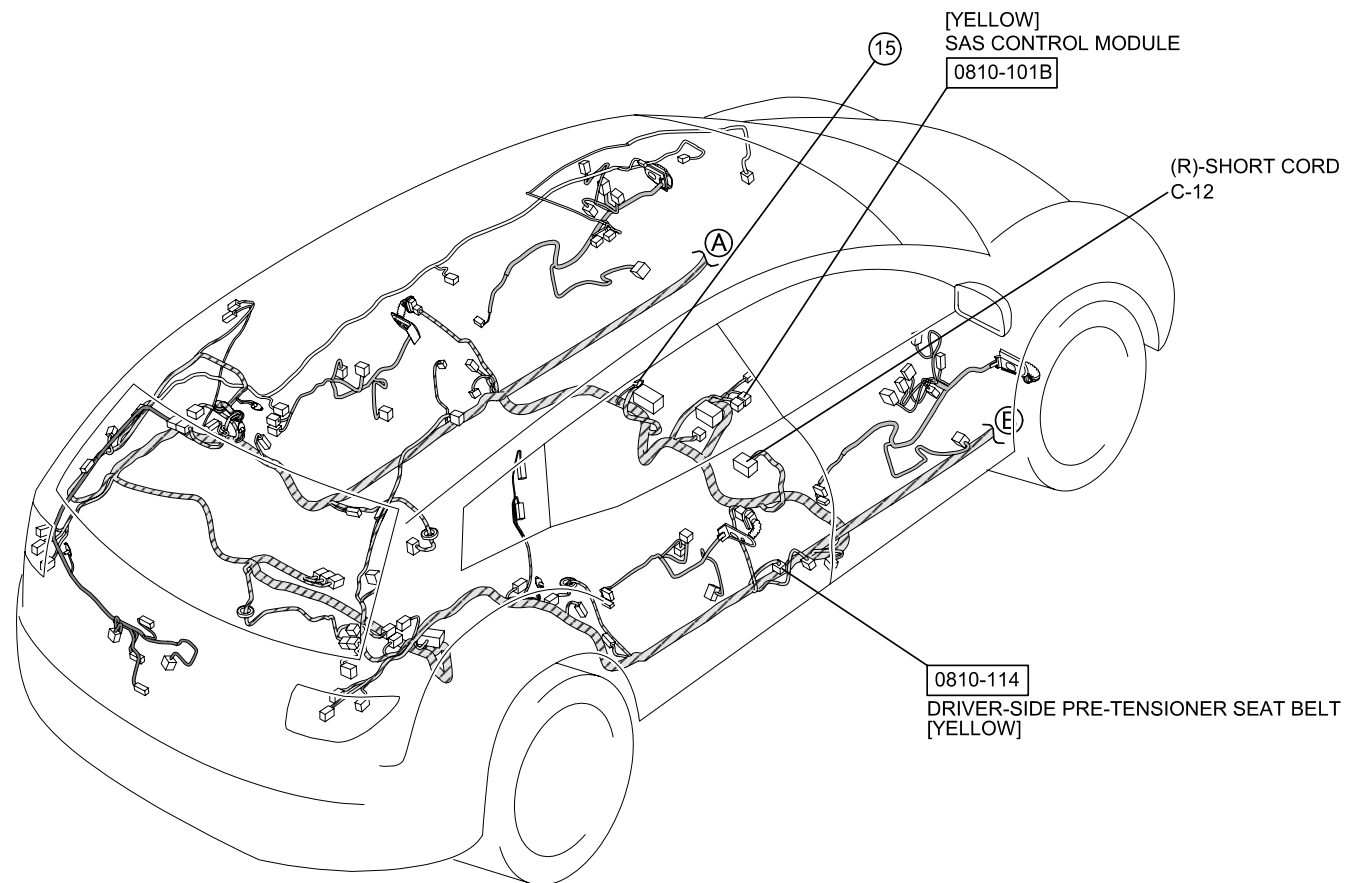






0810-101B
SAS CONTROL MODULE

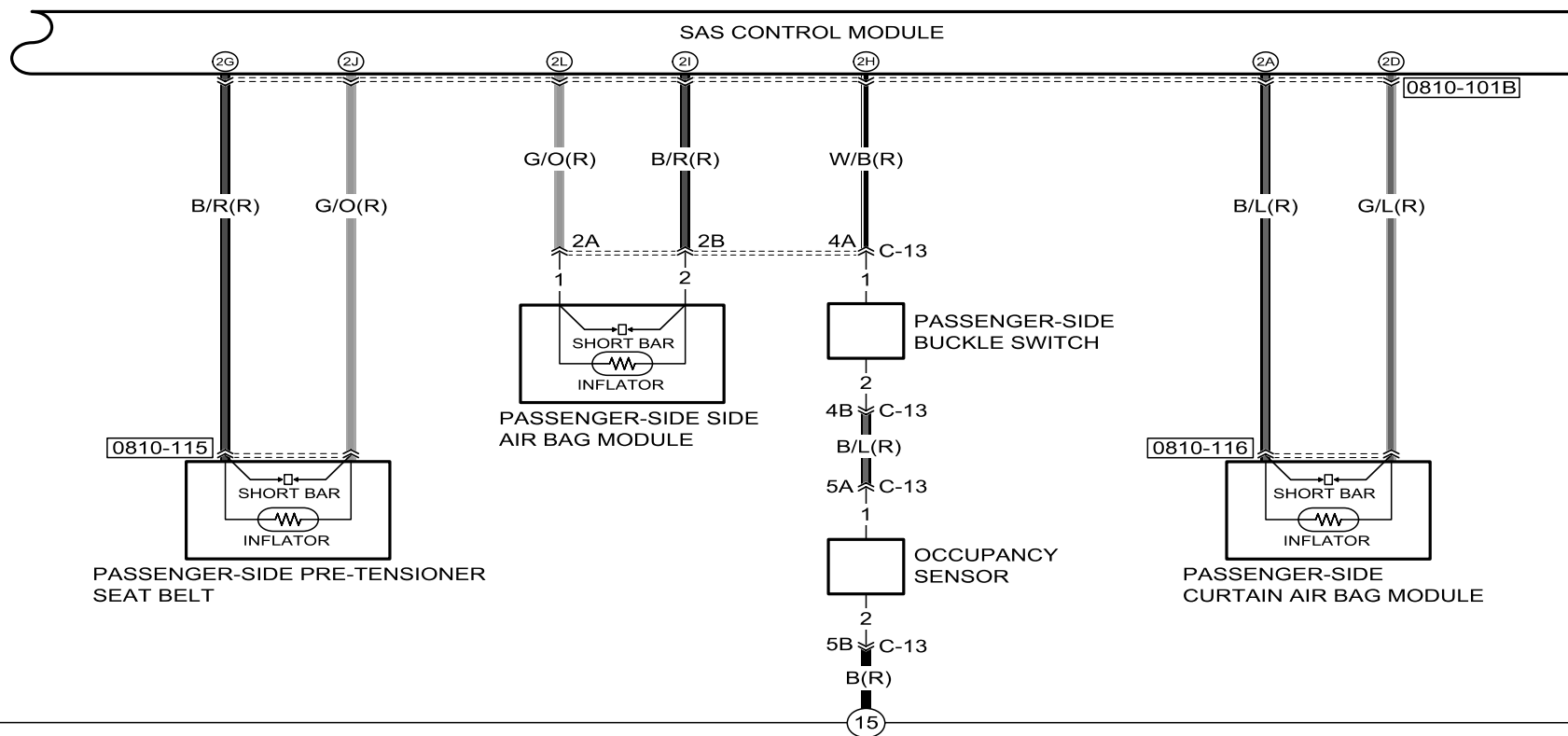


0810-114
DRIVER-SIDE PRE-TENSIONER SEAT BELT

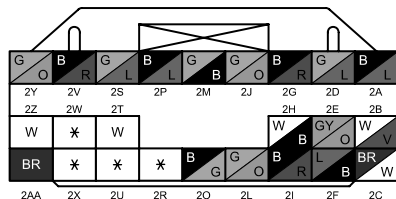




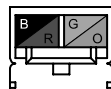
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS



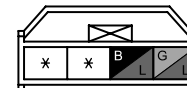
0810-101B
SAS CONTROL MODULE

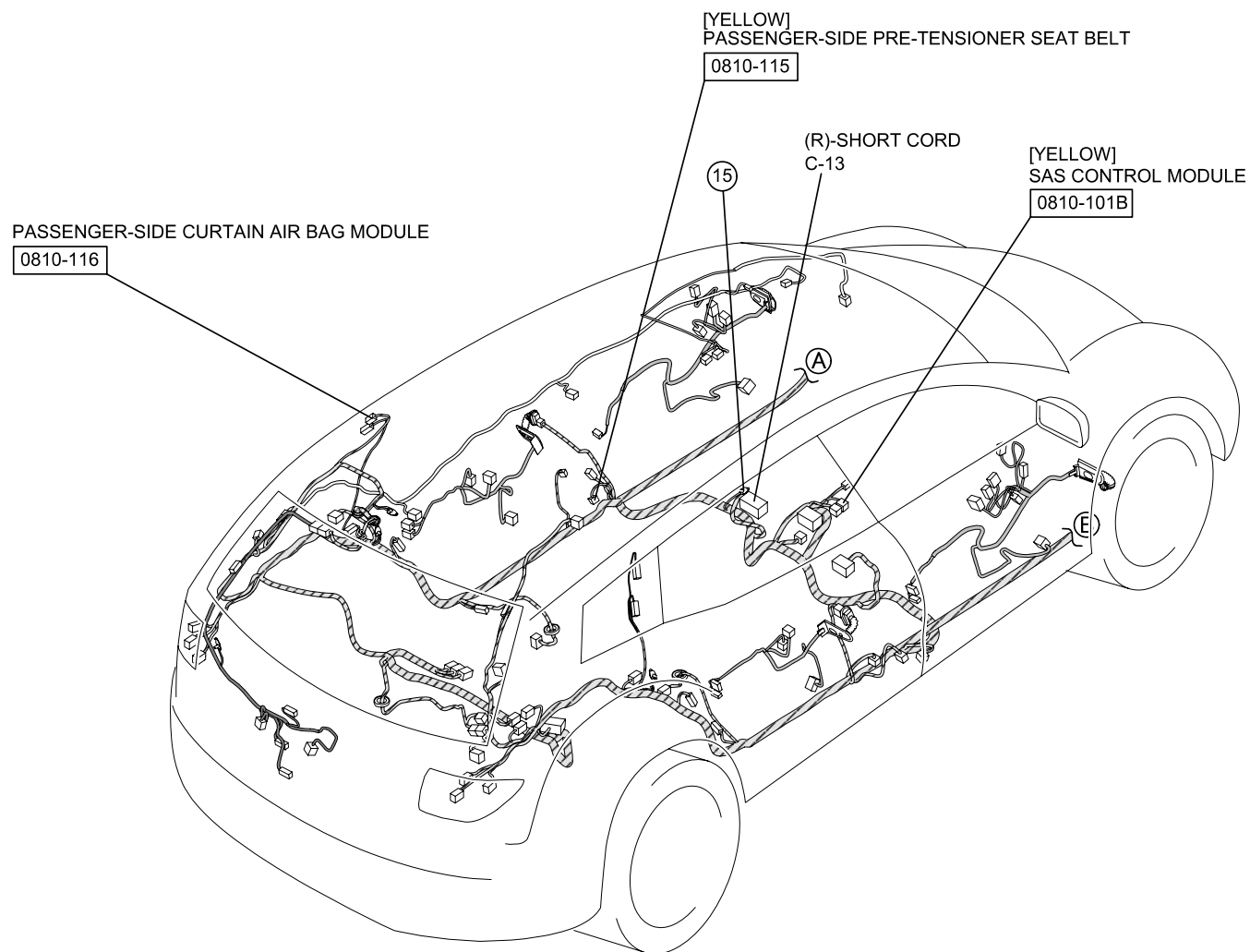






0810-115
PASSENGER-SIDE PRE-TENSIONER SEAT BELT



0810-116
PASSENGER-SIDE CURTAIN AIR BAG MODULE

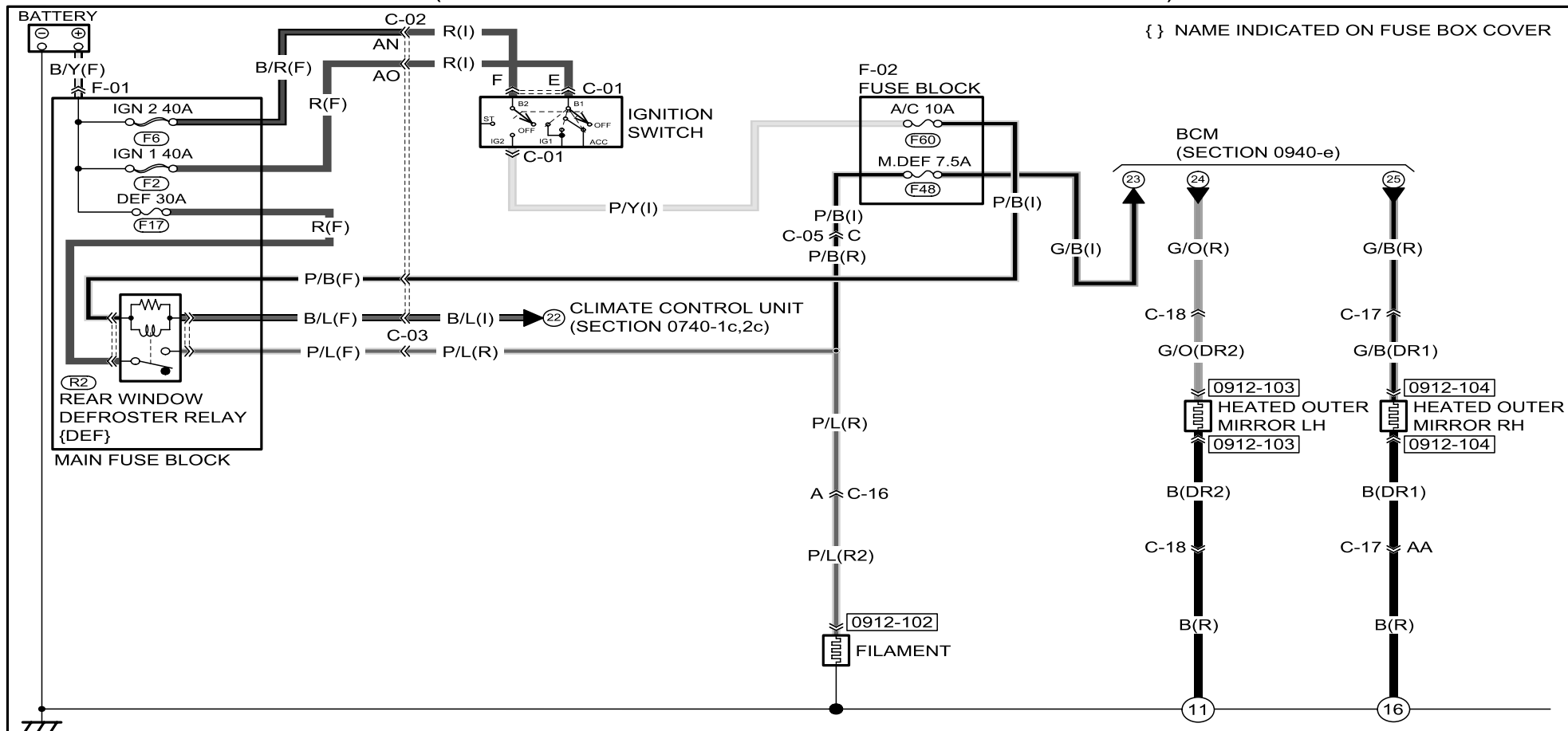




-  : REAR HARNESS
-  : REAR NO.2 HARNESS
-  : DOOR HARNESS
-  : INTERIOR LIGHT HARNESS

REAR WINDOW DEFROSTER (INCLUDES HEATED OUTER MIRROR INFORMATION)

0912-1

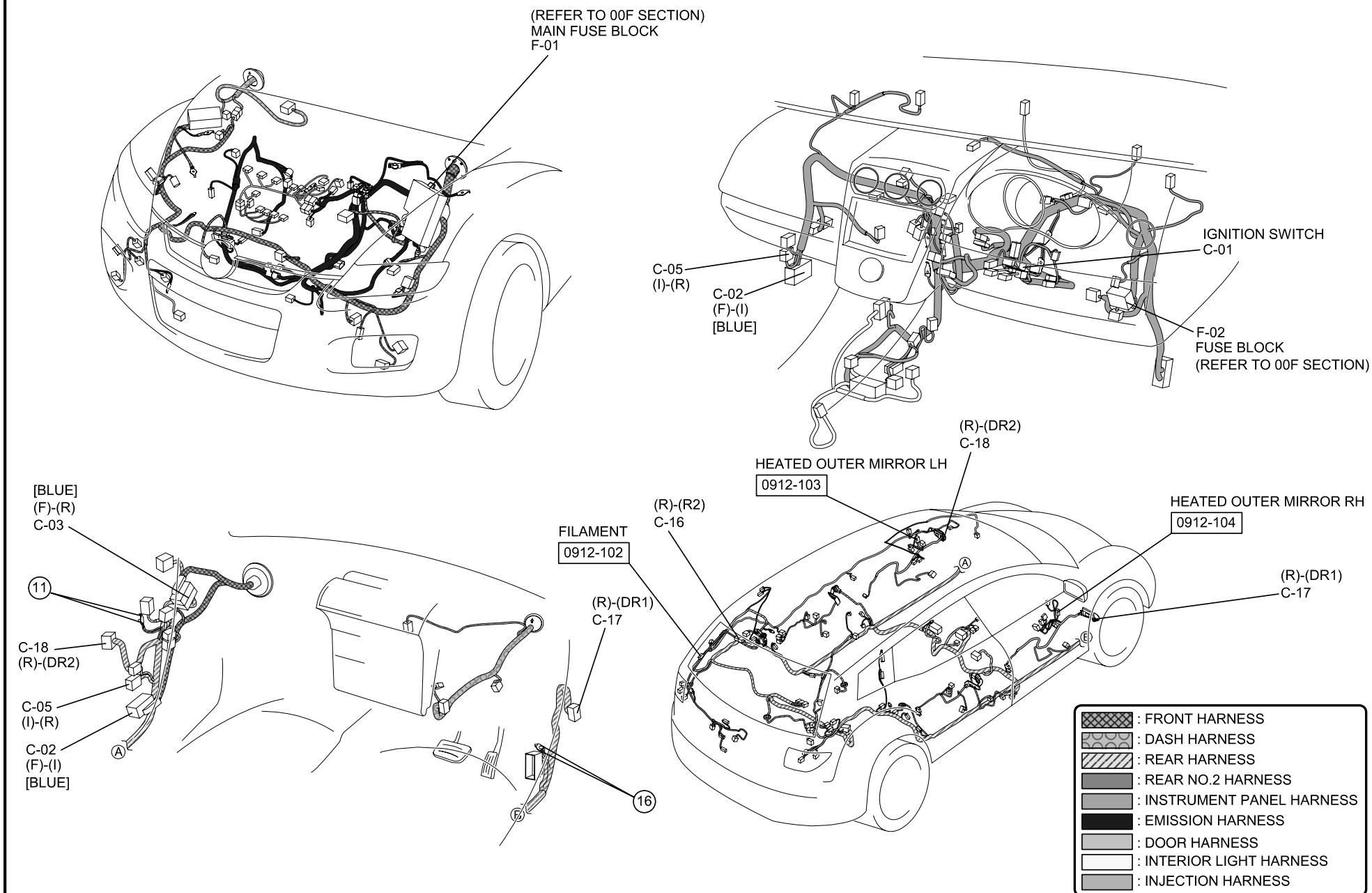


0912-102 FILAMENT	0912-103 HEATED OUTER MIRROR LH	0912-104 HEATED OUTER MIRROR RH		

REAR WINDOW DEFROSTER (INCLUDES HEATED OUTER MIRROR INFORMATION)

0912-1

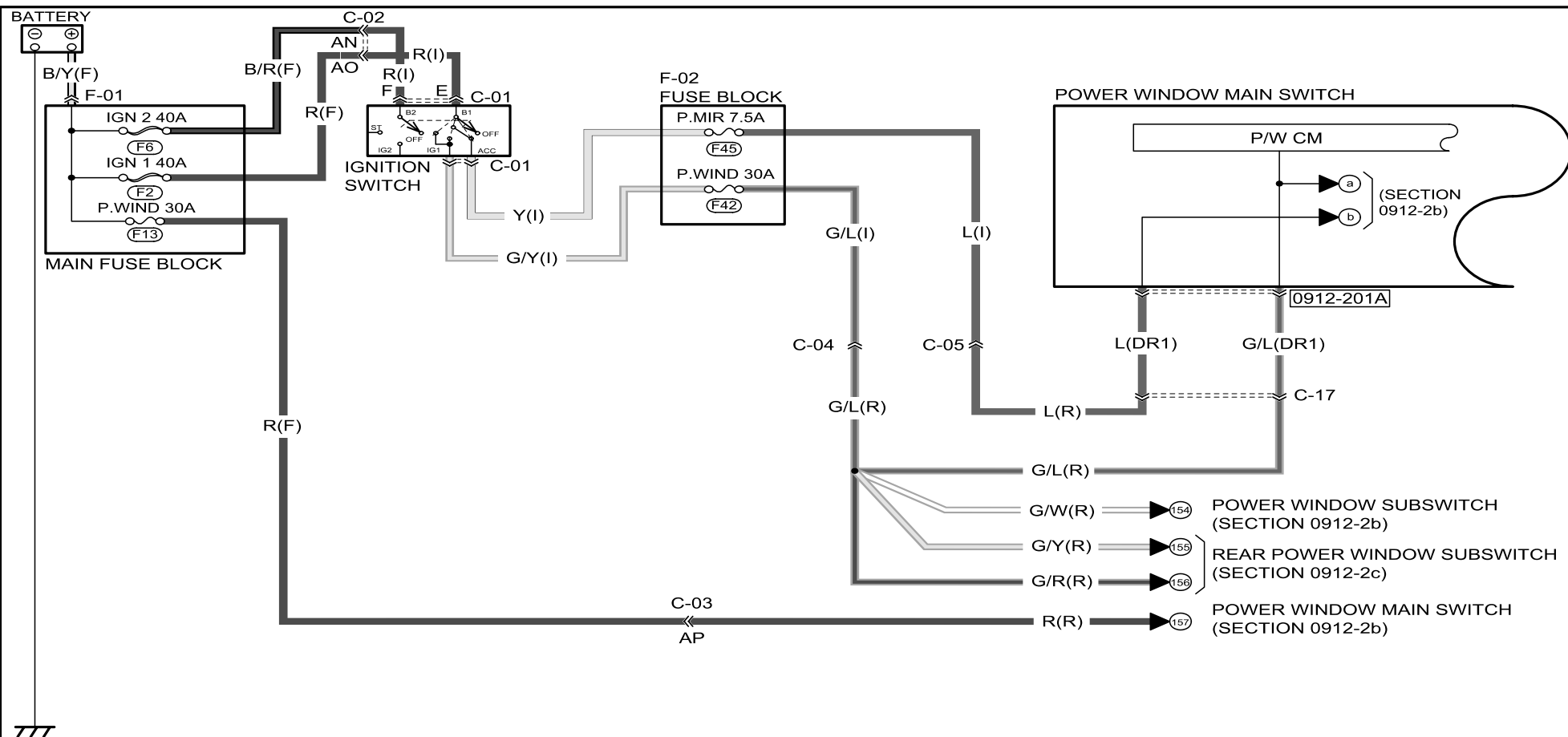
66



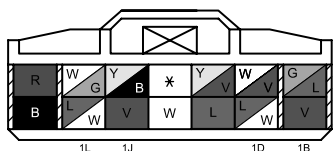
POWER WINDOW SYSTEM

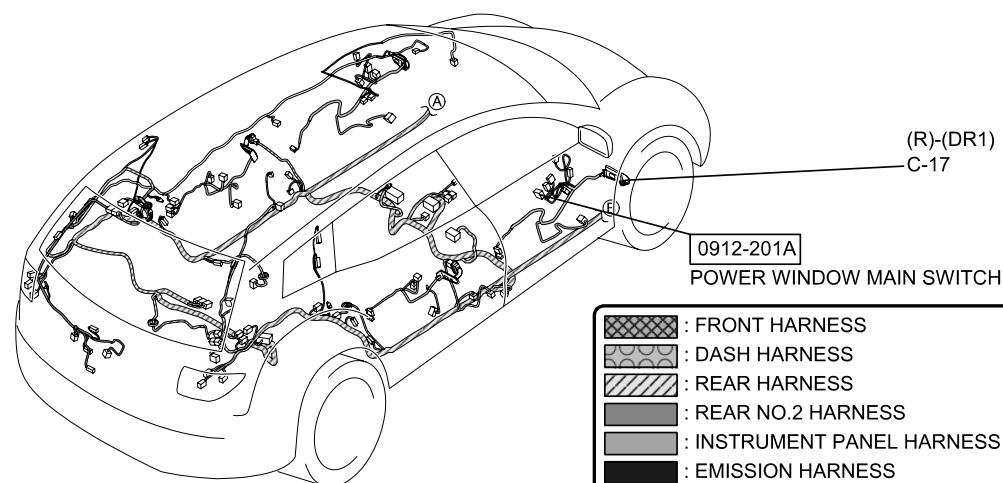
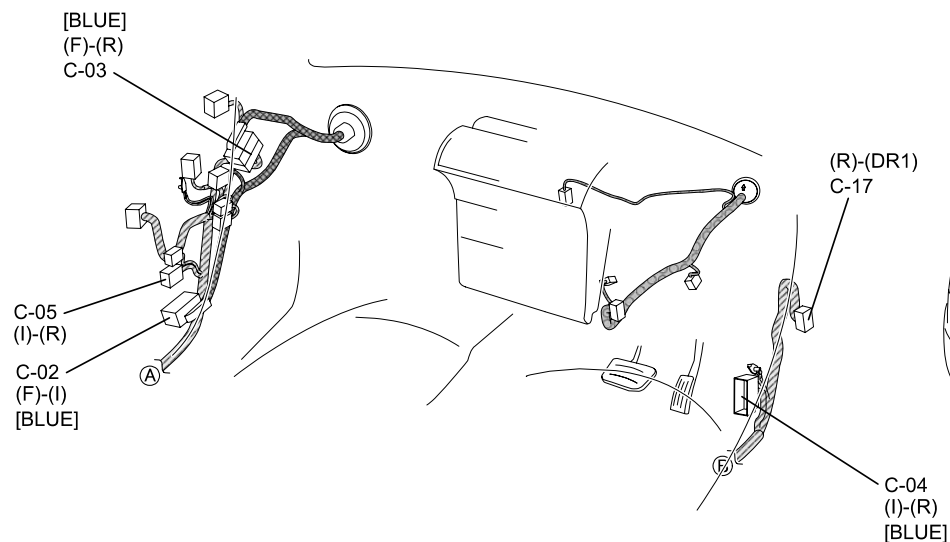
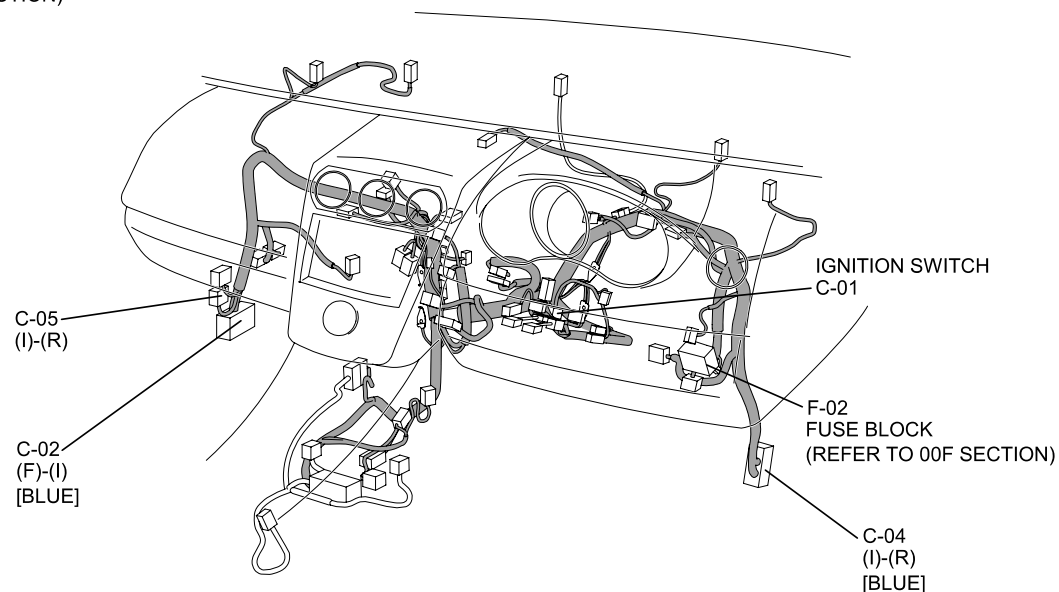
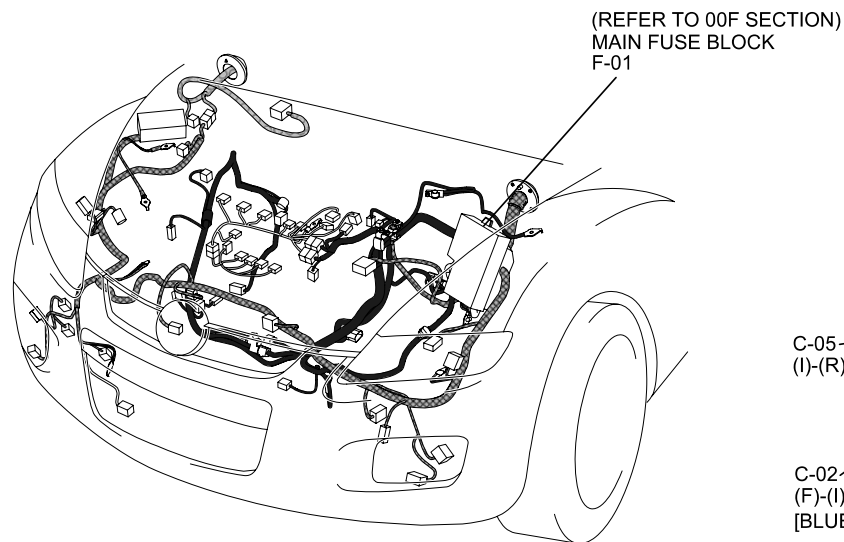
0912-2a

100

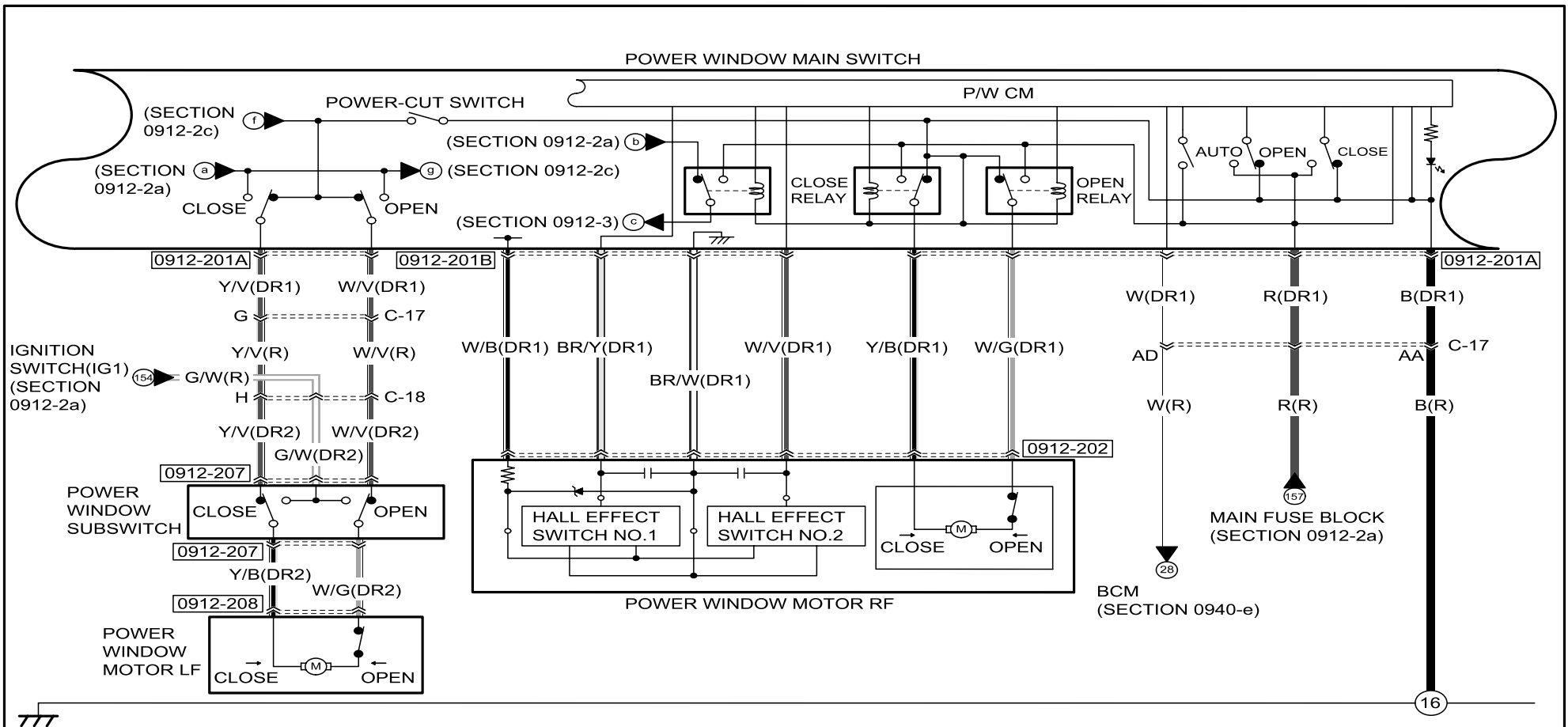


0912-201A
POWER WINDOW MAIN SWITCH

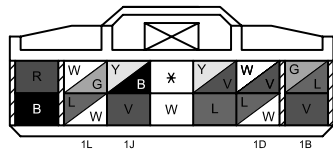




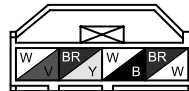
	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS



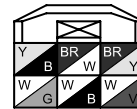
0912-201A
POWER WINDOW MAIN SWITCH



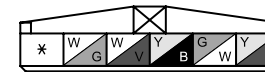
0912-201B
POWER WINDOW MAIN SWITCH



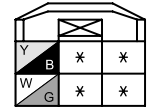
0912-202
POWER WINDOW MOTOR RF

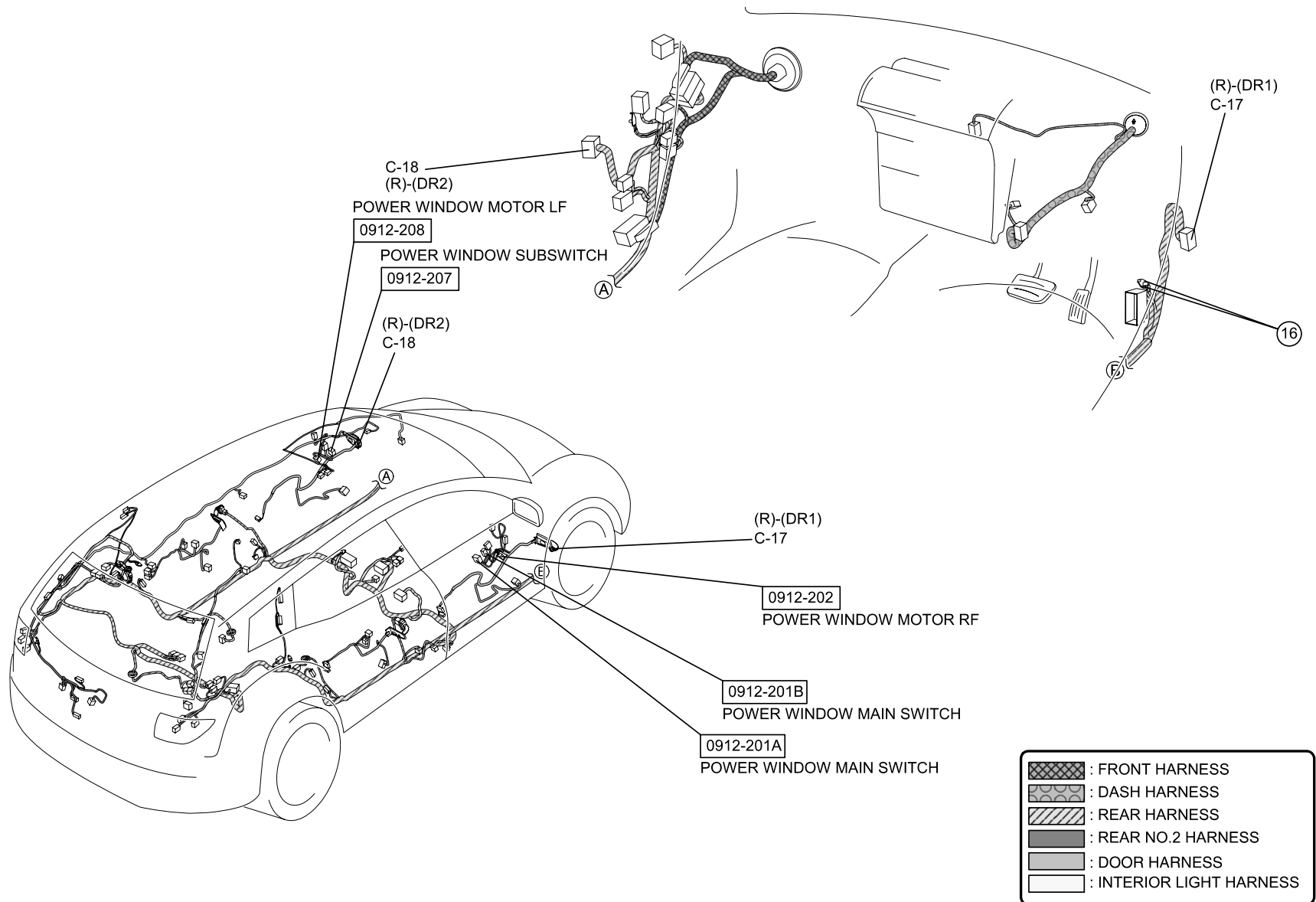


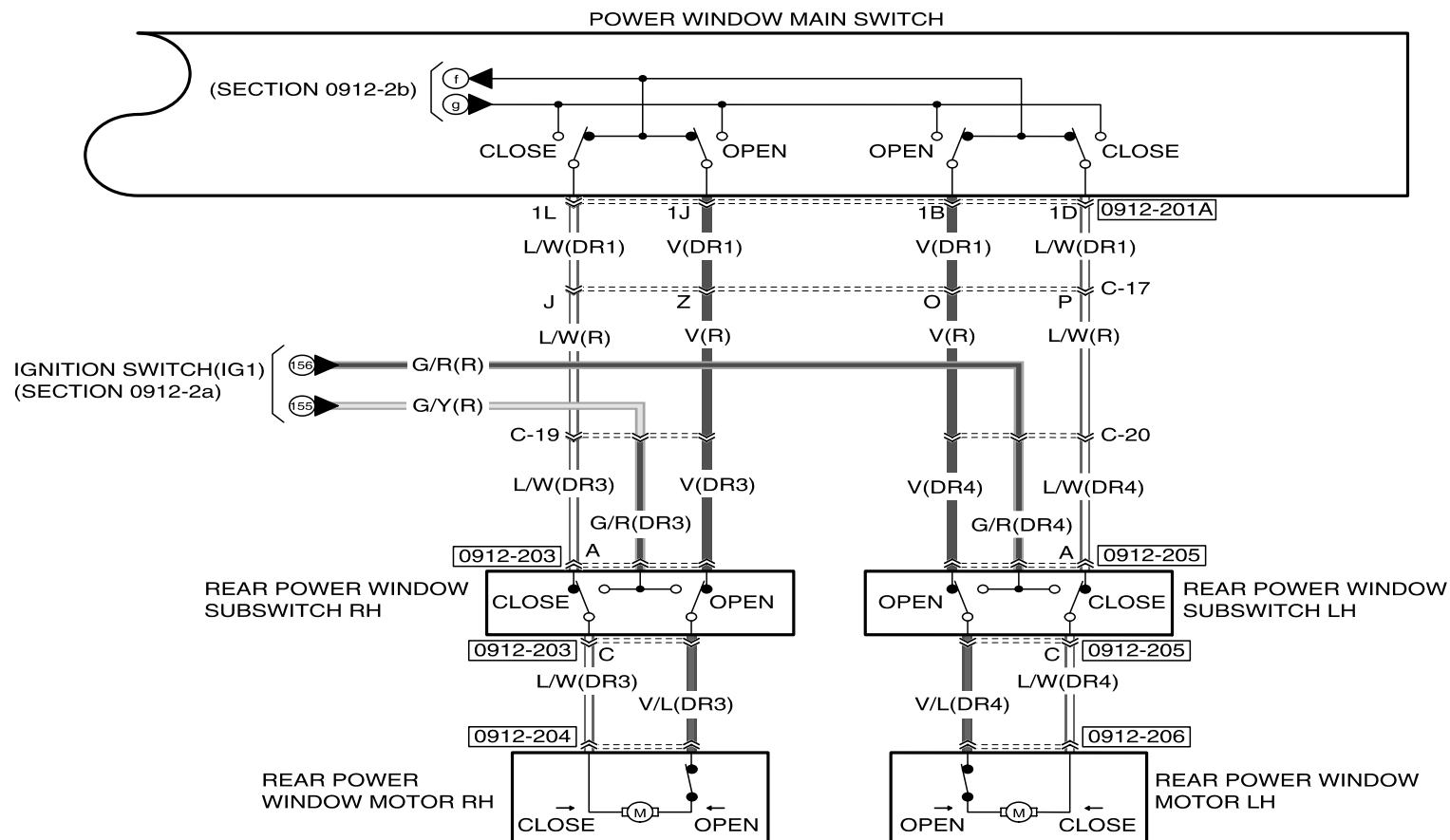
0912-207
POWER WINDOW SUBSWITCH



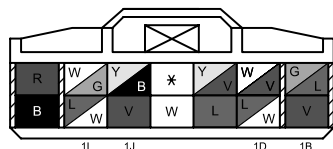
0912-208
POWER WINDOW MOTOR LF







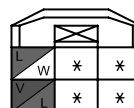
0912-201A
POWER WINDOW MAIN SWITCH



0912-203
REAR POWER WINDOW
SUBSWITCH RH



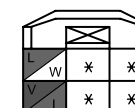
0912-204
REAR POWER WINDOW
MOTOR RH

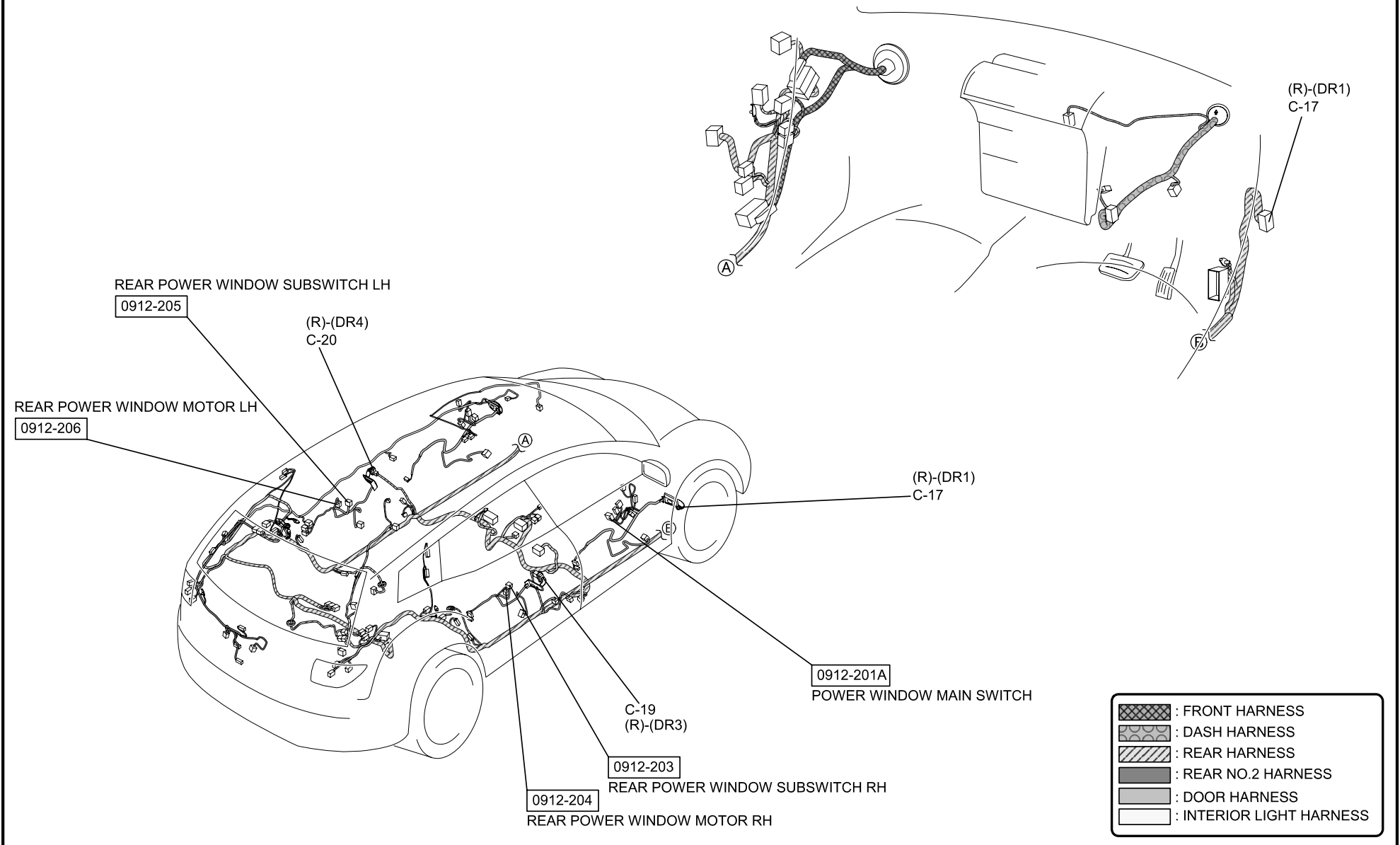


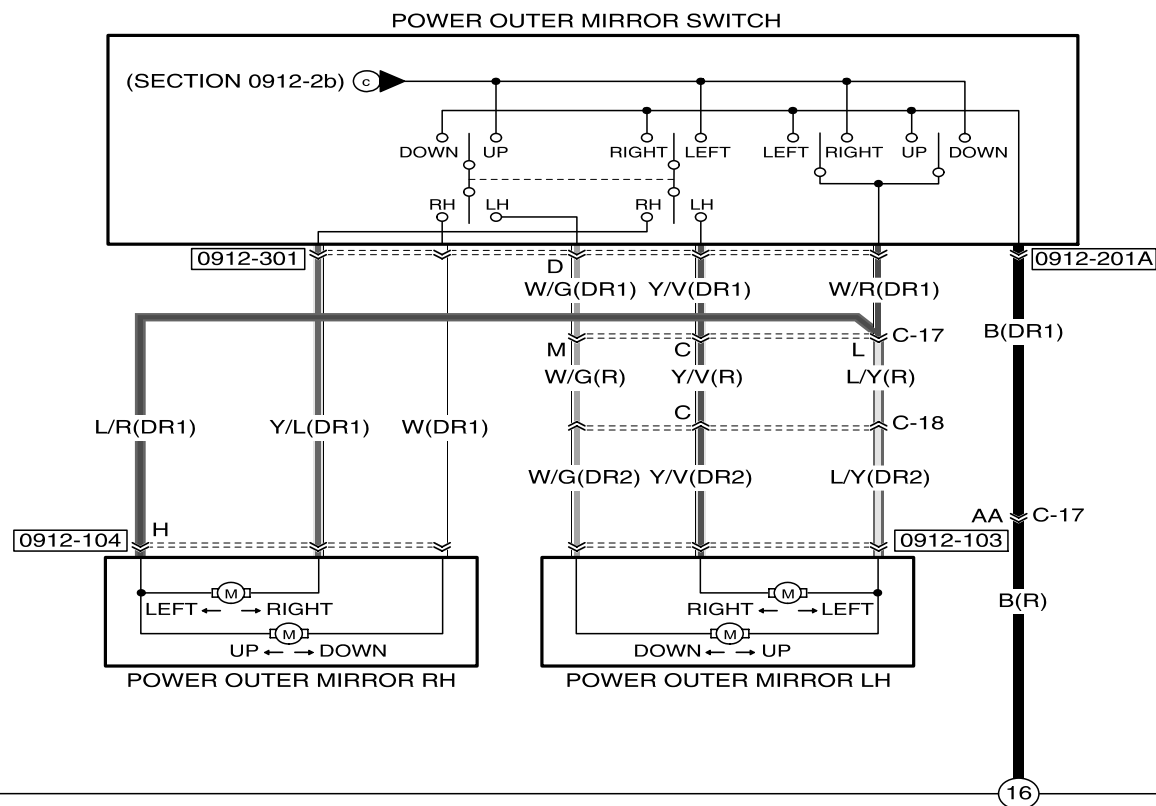
0912-205
REAR POWER WINDOW
SUBSWITCH LH



0912-206
REAR POWER WINDOW
MOTOR LH

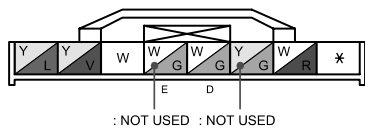




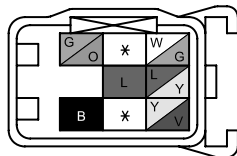


106

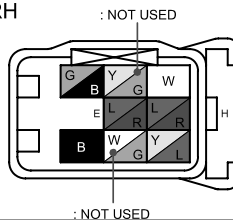
0912-301
POWER OUTER MIRROR SWITCH



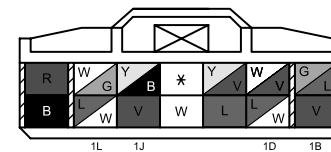
0912-103
POWER OUTER MIRROR LH

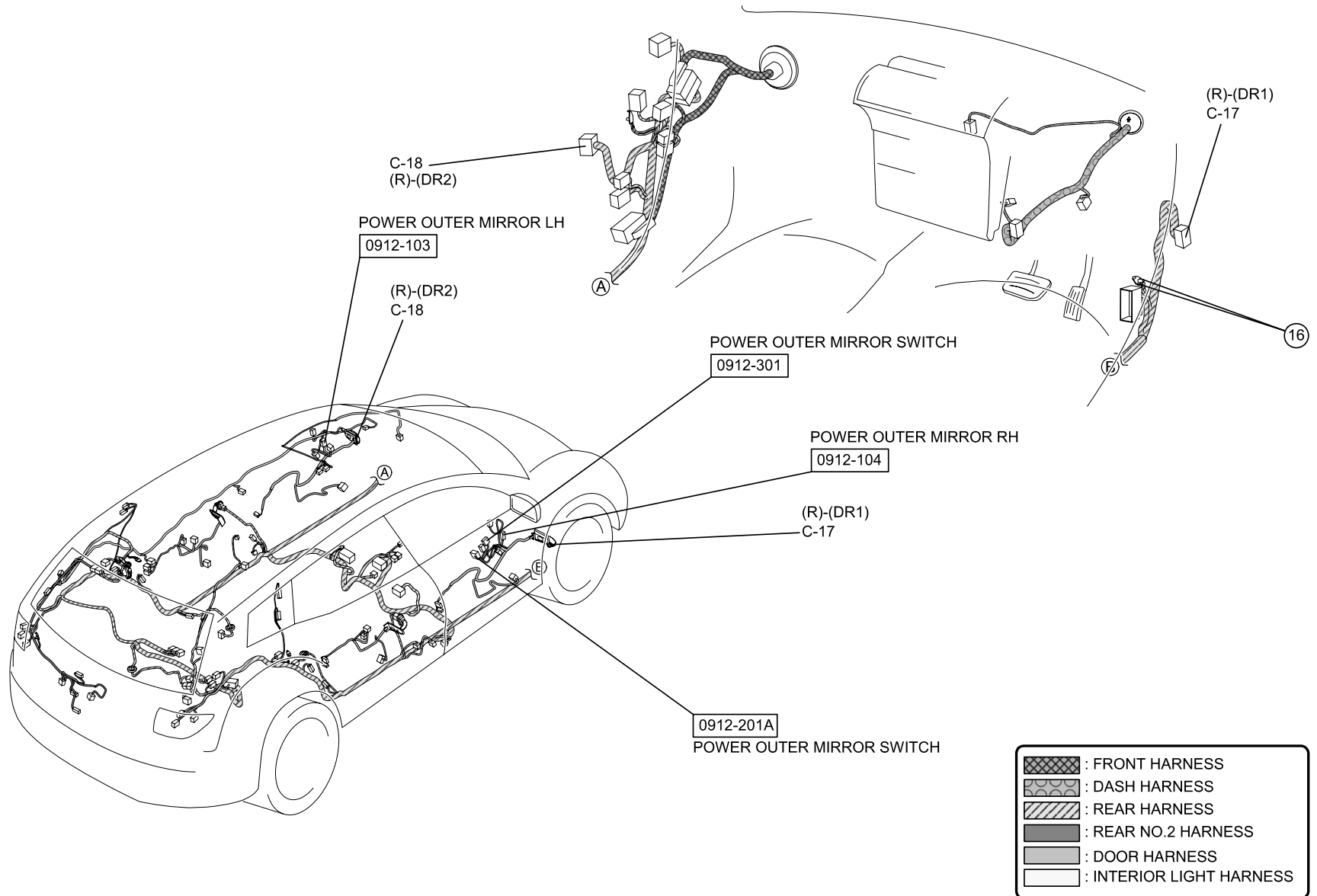


0912-104
POWER OUTER MIRROR RH



0912-201A
POWER OUTER MIRROR SWITCH

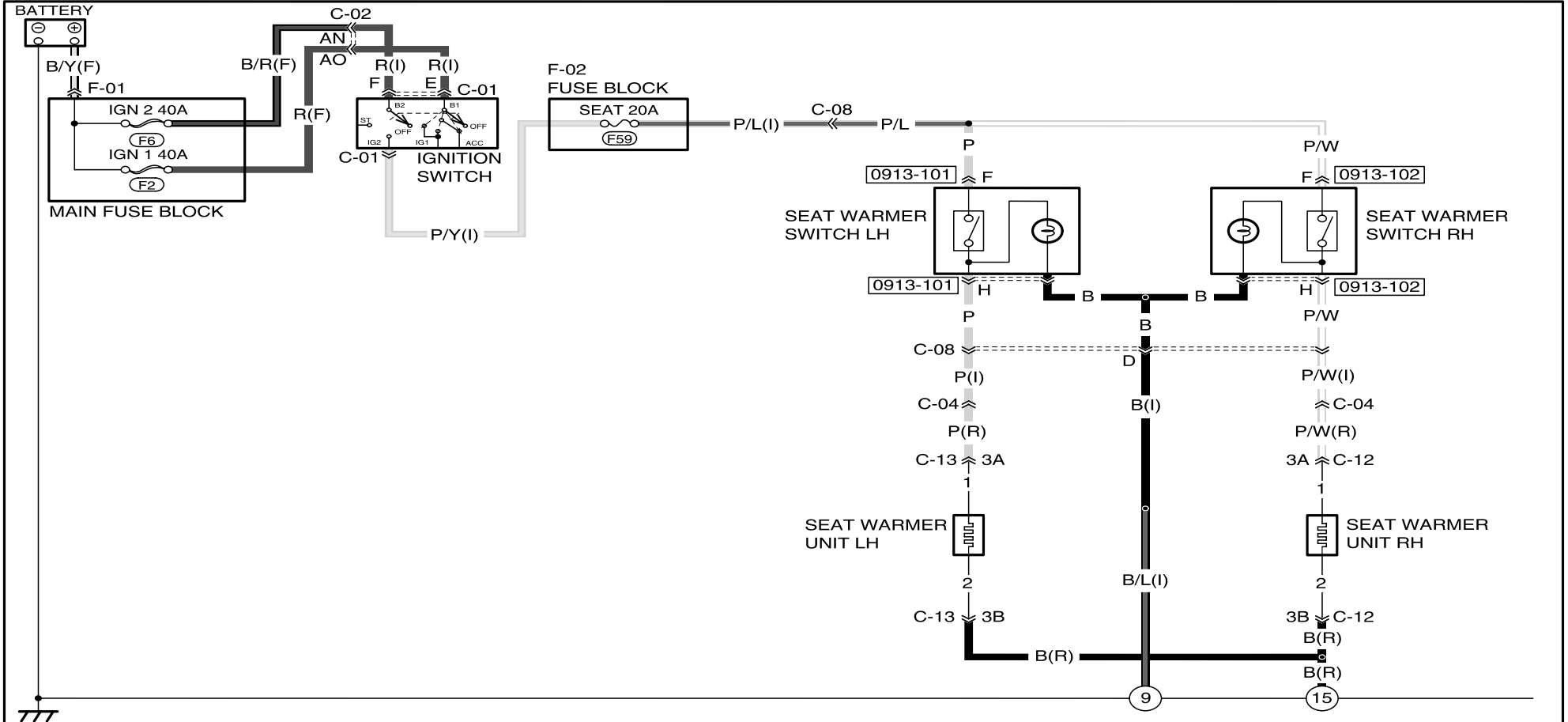




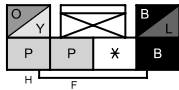
SEAT WARMER

0913-1

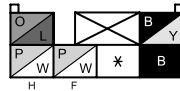
108

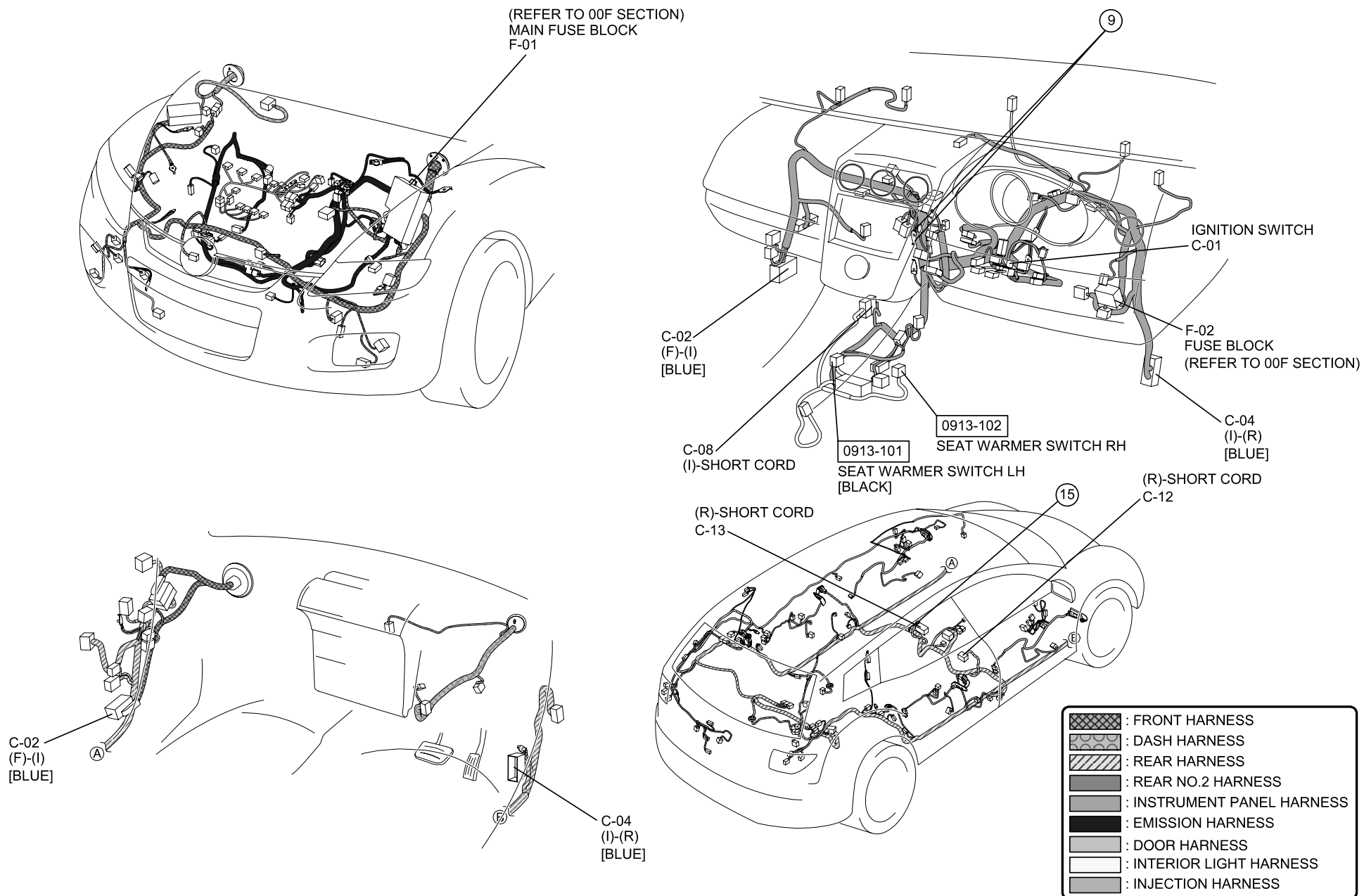


0913-101
SEAT WARMER SWITCH LH



0913-102
SEAT WARMER SWITCH RH

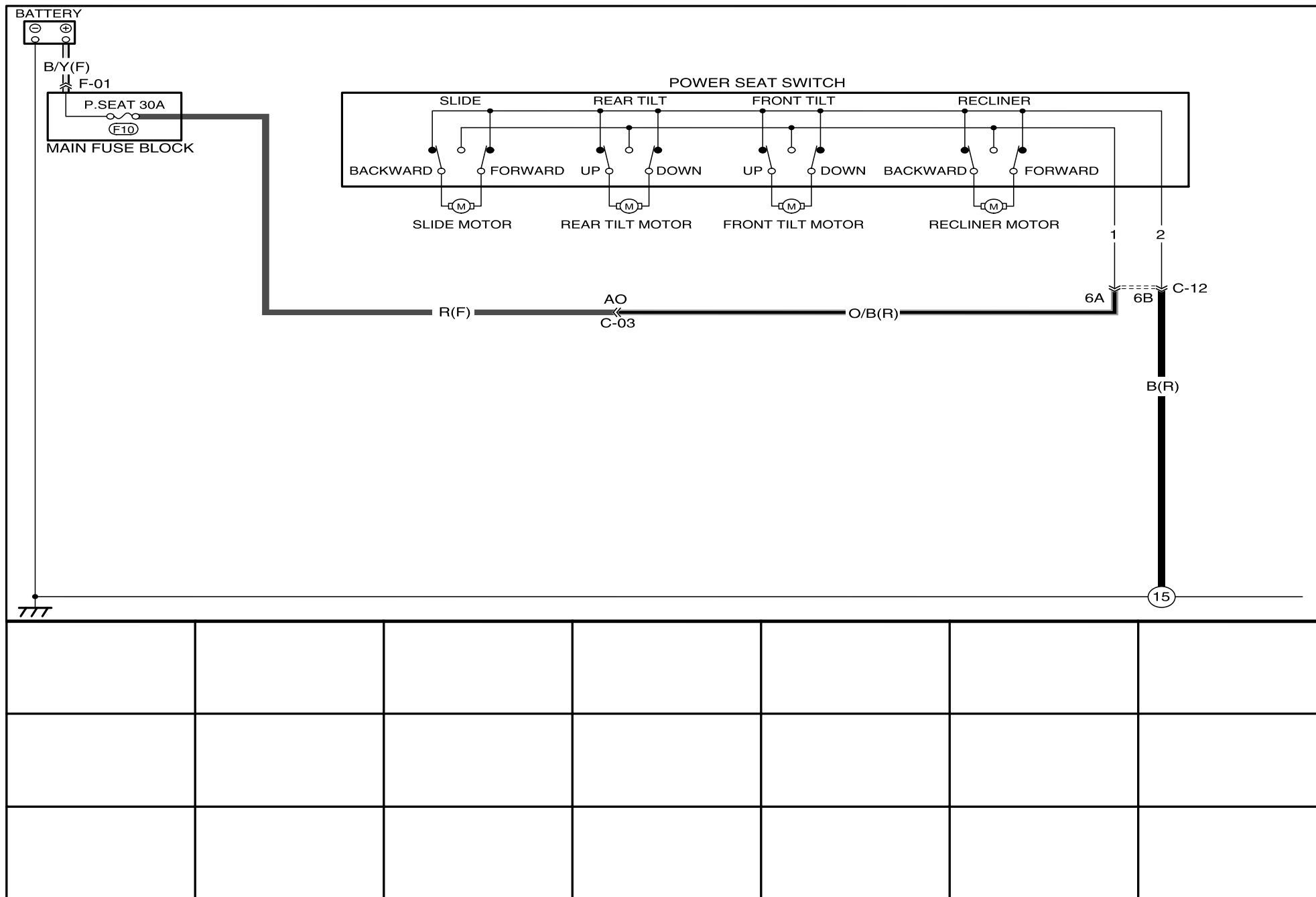


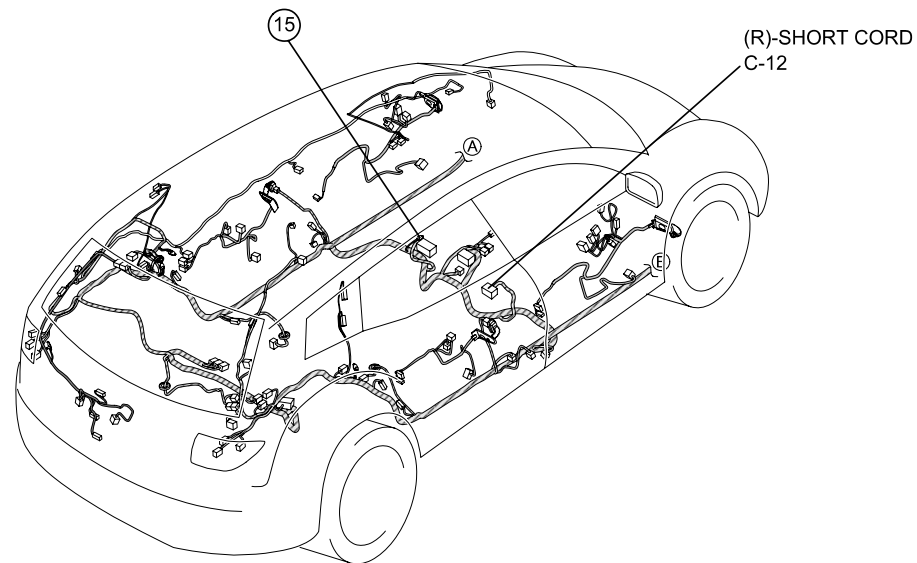
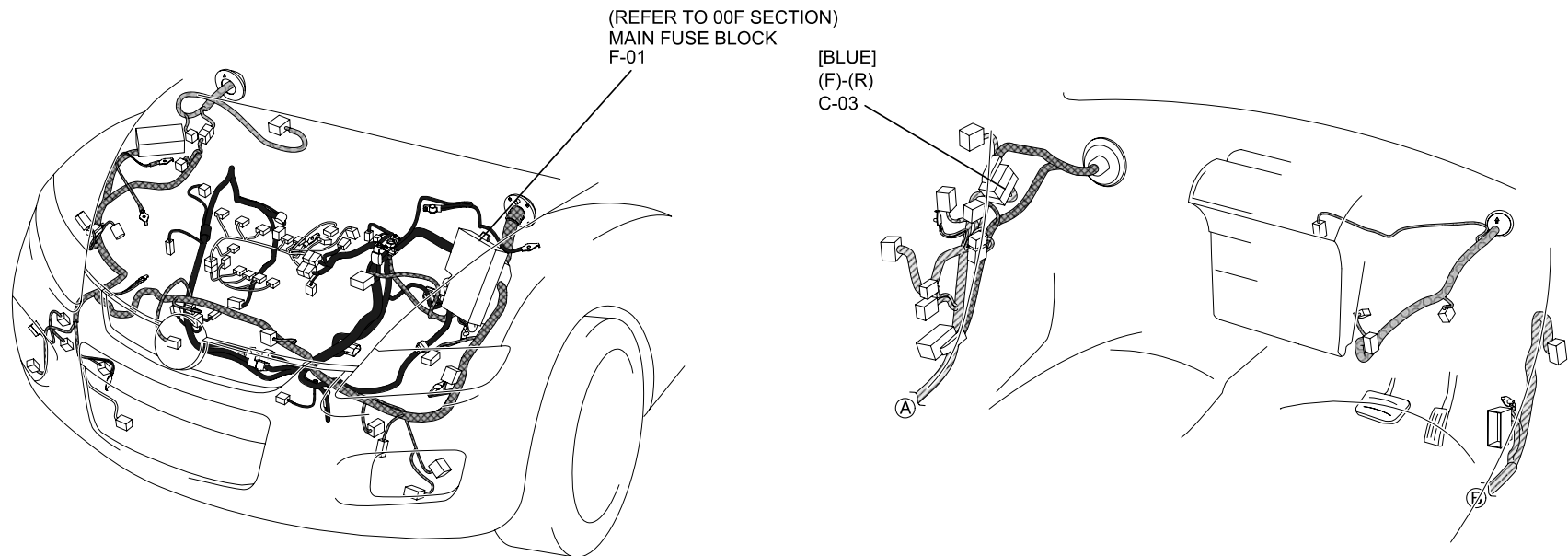


POWER SEAT

0913-2

110

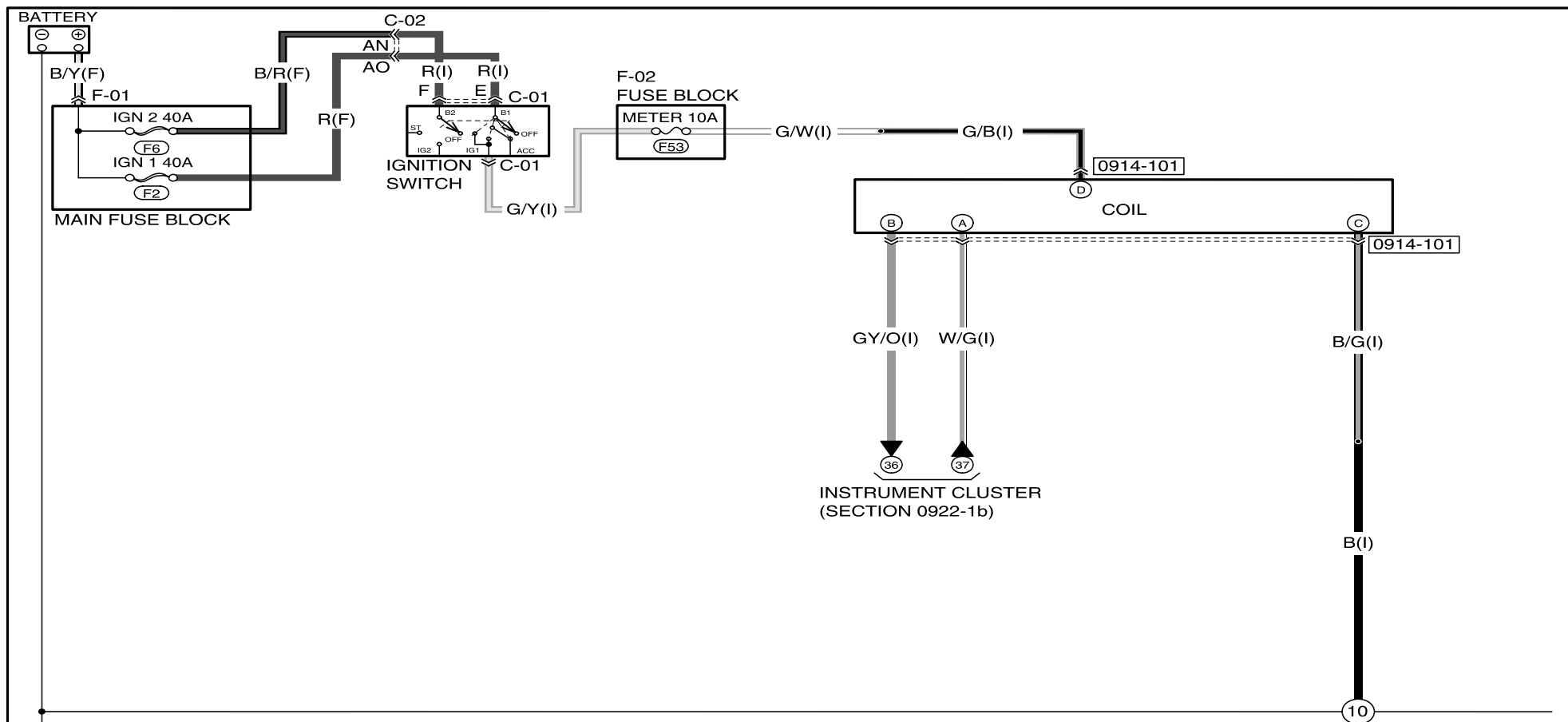




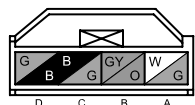
	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS

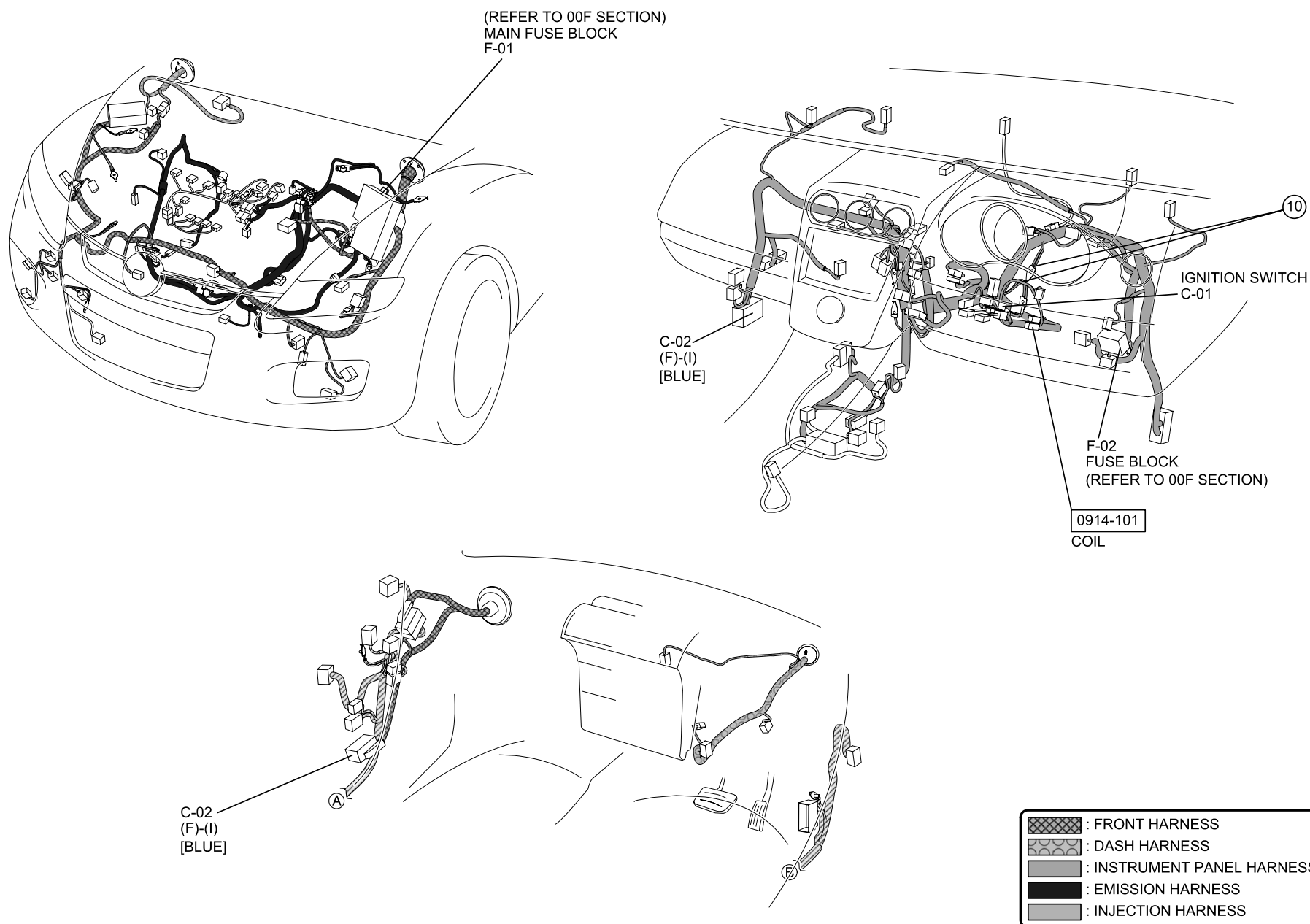
IMMOBILIZER SYSTEM

0914-1



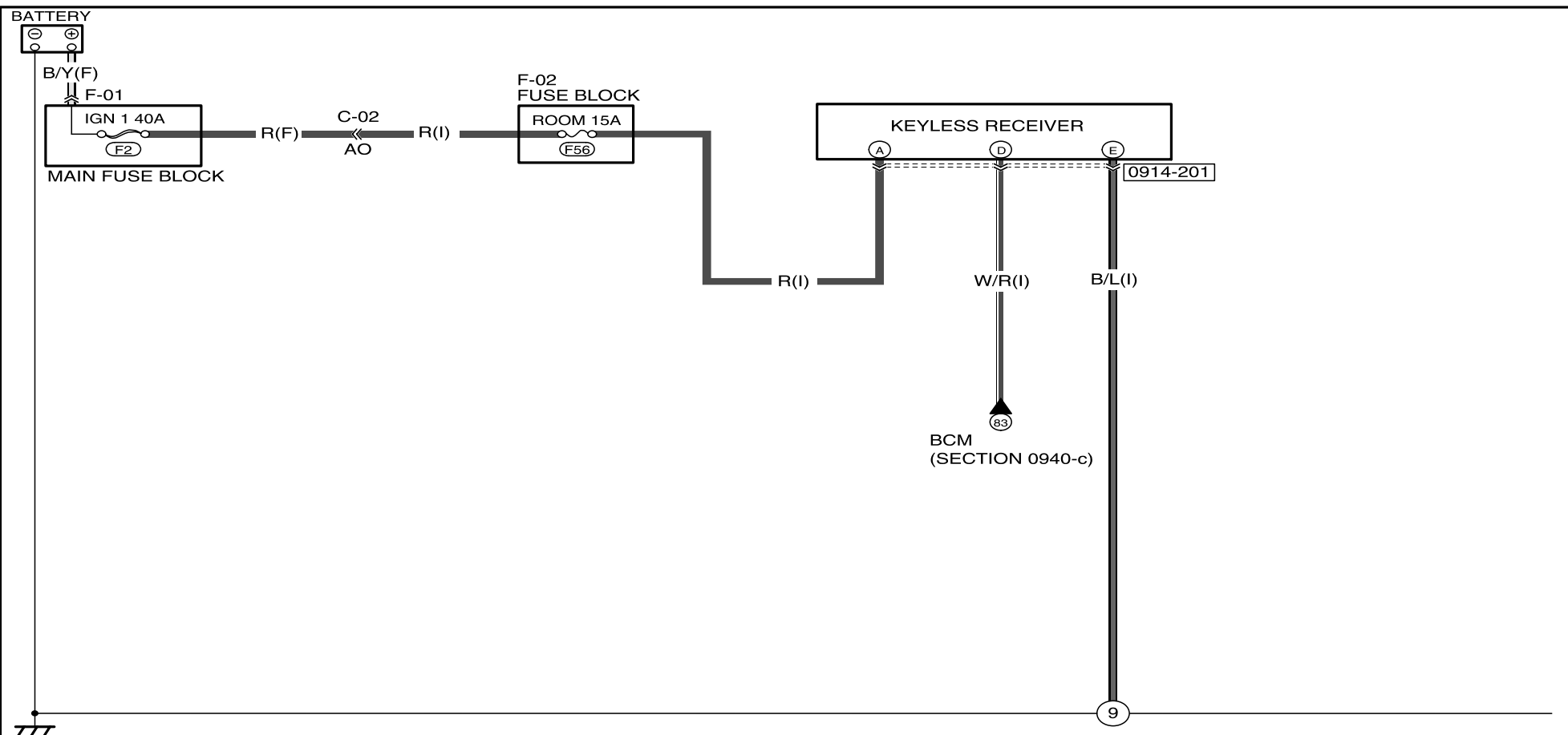
0914-101
COIL



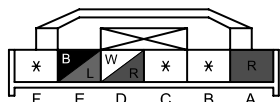


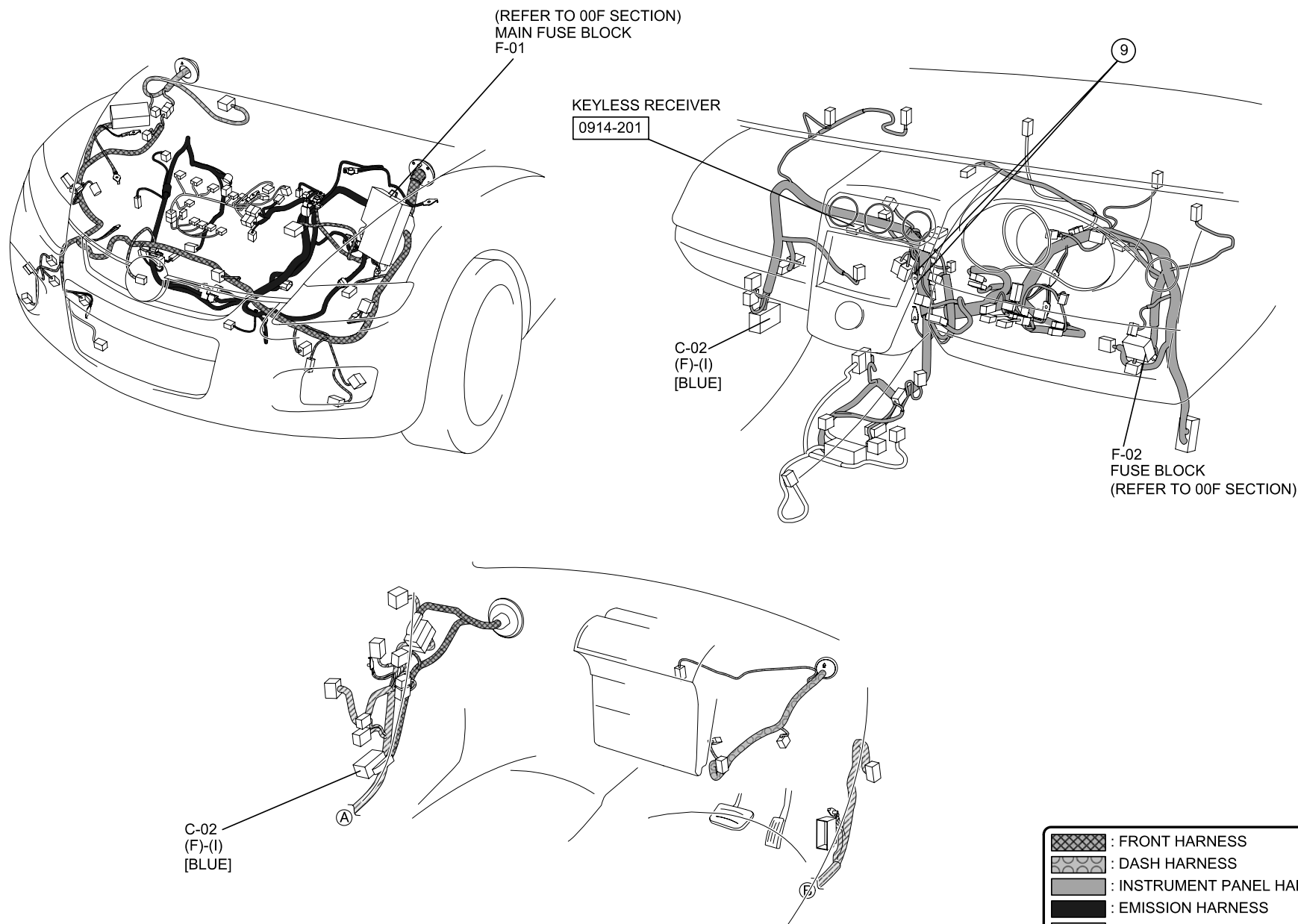
KEYLESS ENTRY SYSTEM

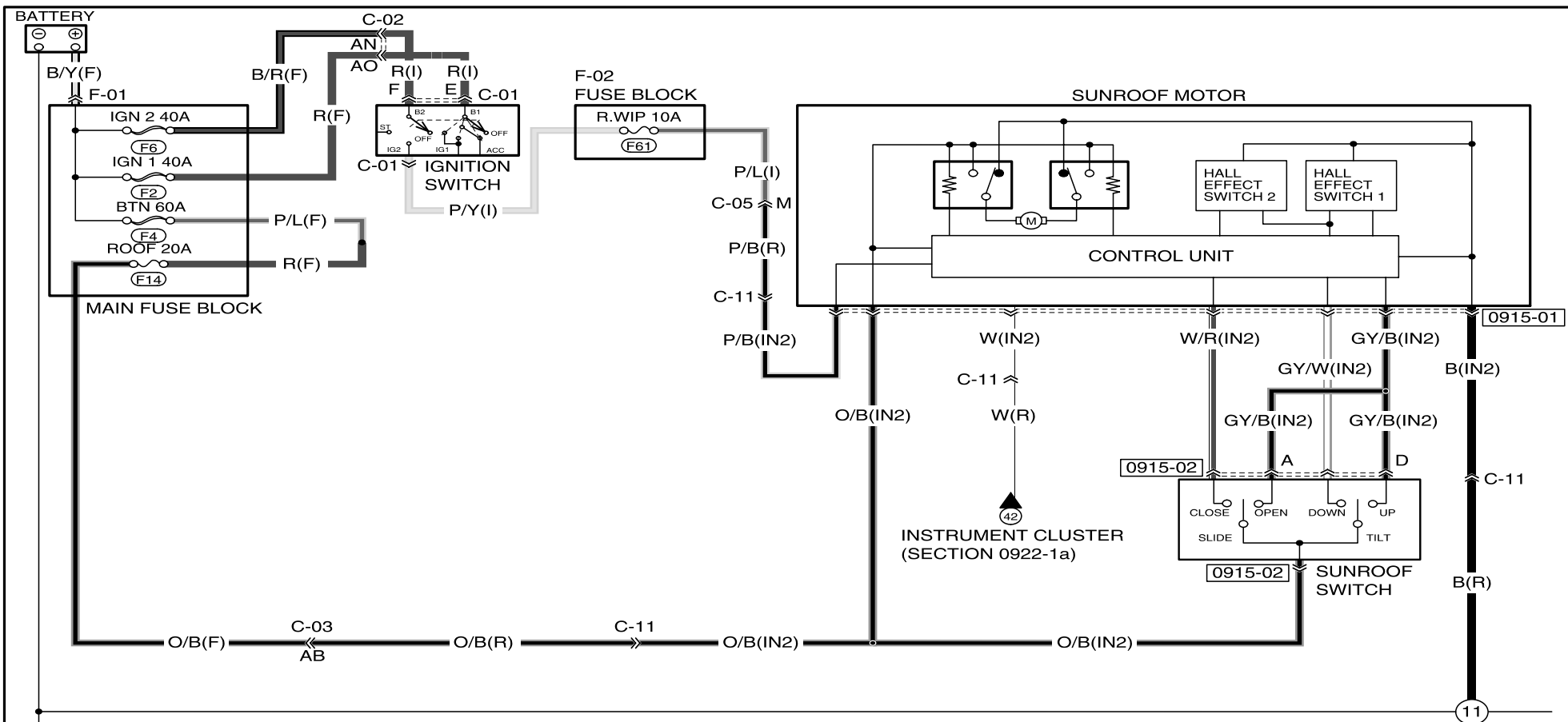
0914-2



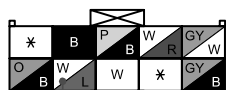
0914-201
KEYLESS RECEIVER





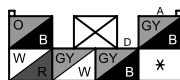


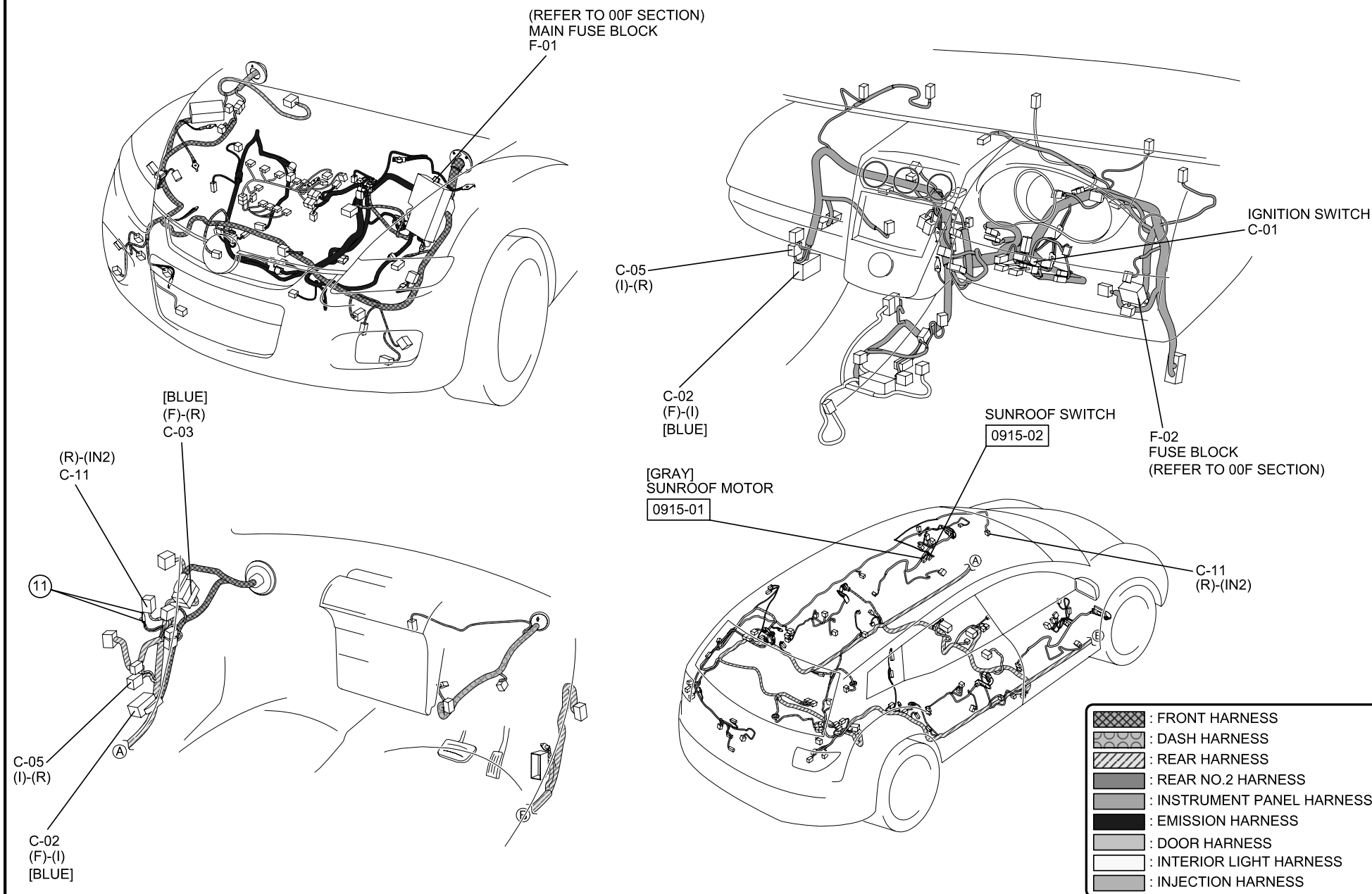
0915-01
SUNROOF MOTOR



: NOT USED

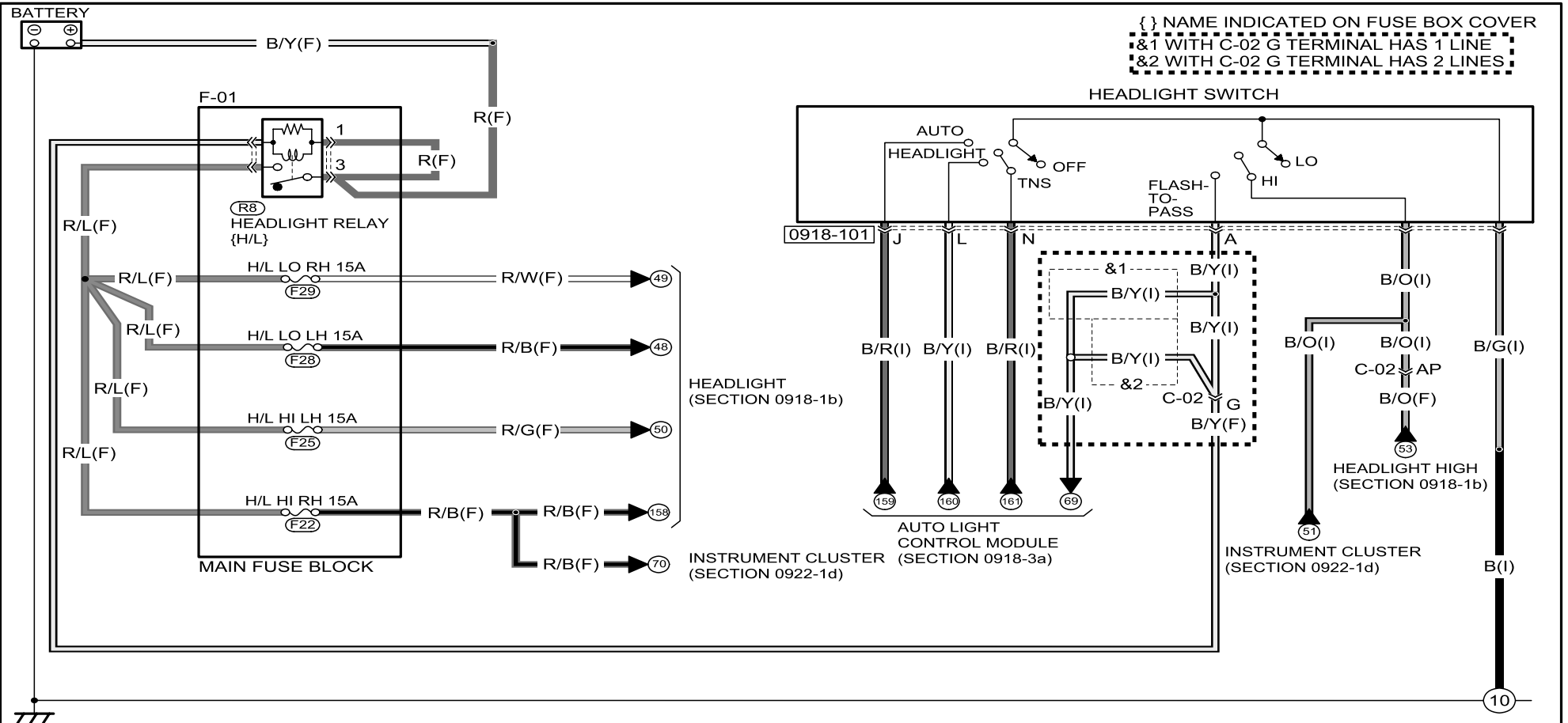
0915-02
SUNROOF SWITCH





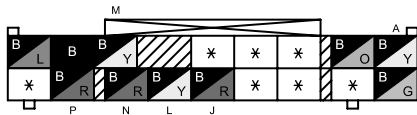
HEADLIGHT

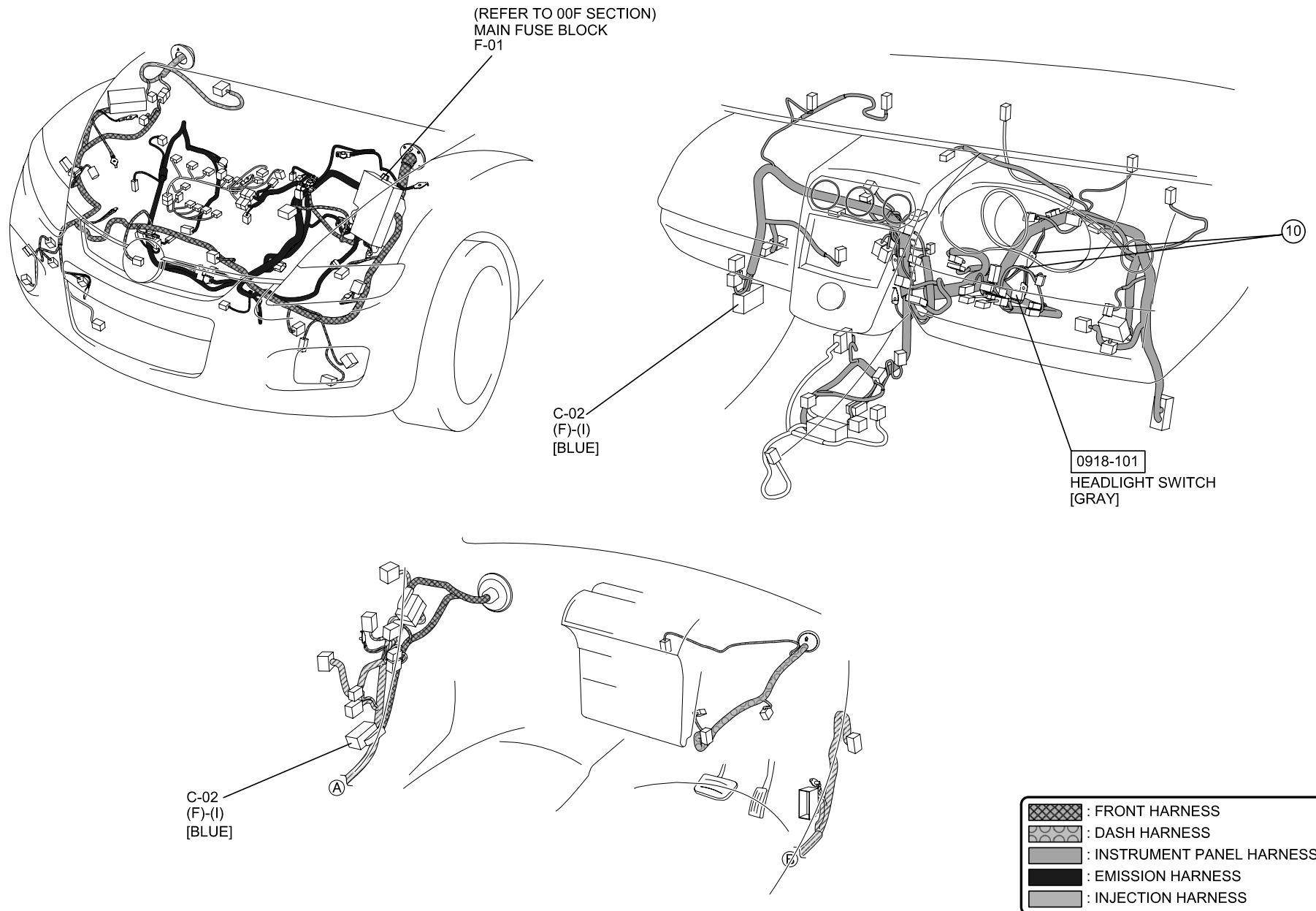
0918-1a

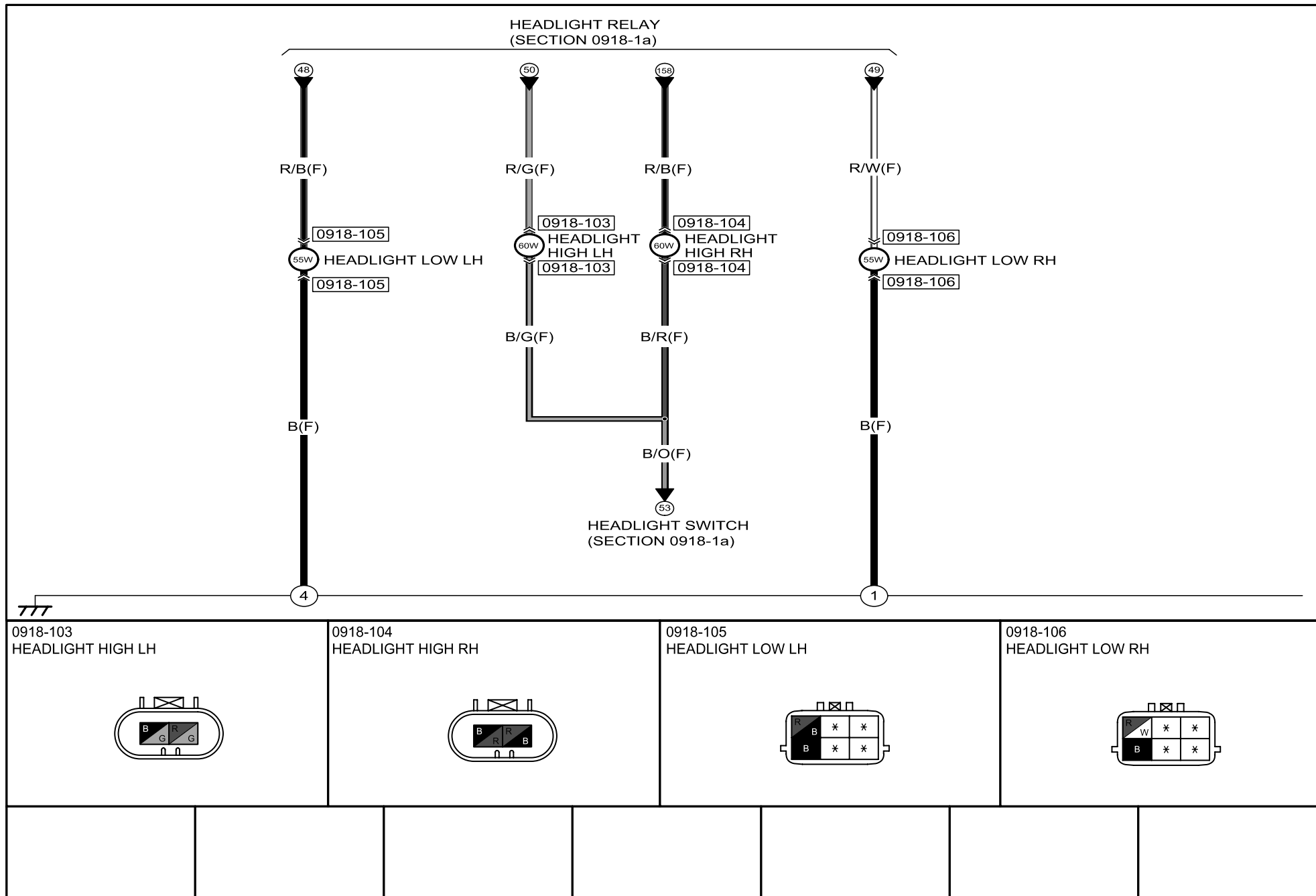


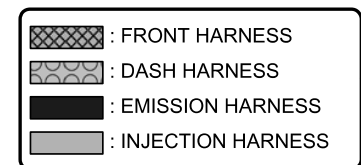
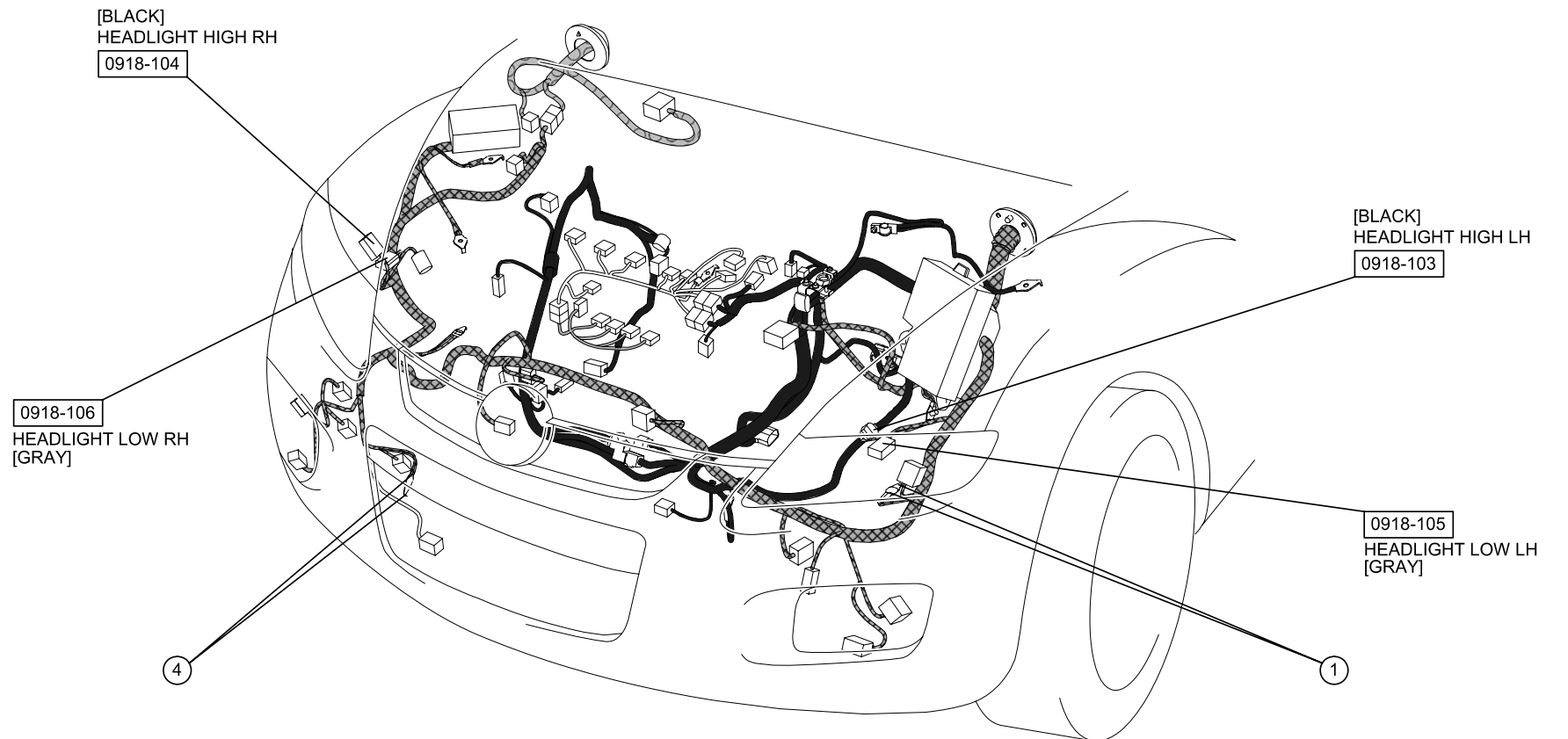
Mazda CX-7 Wiring Diagram (5691-1*-061)

0918-101
HEADLIGHT SWITCH



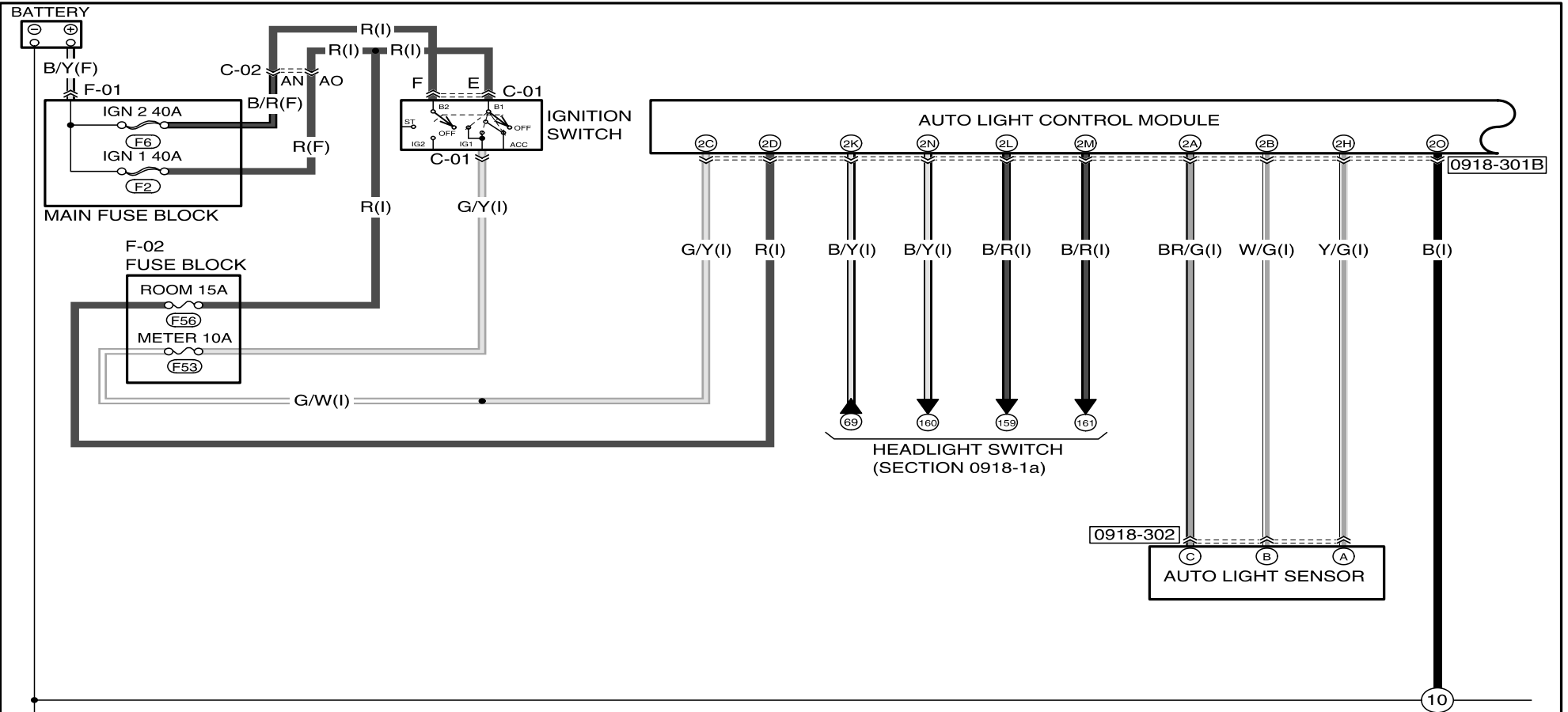




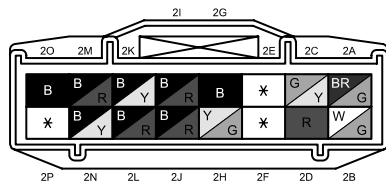


AUTO LIGHT SYSTEM

0918-3a

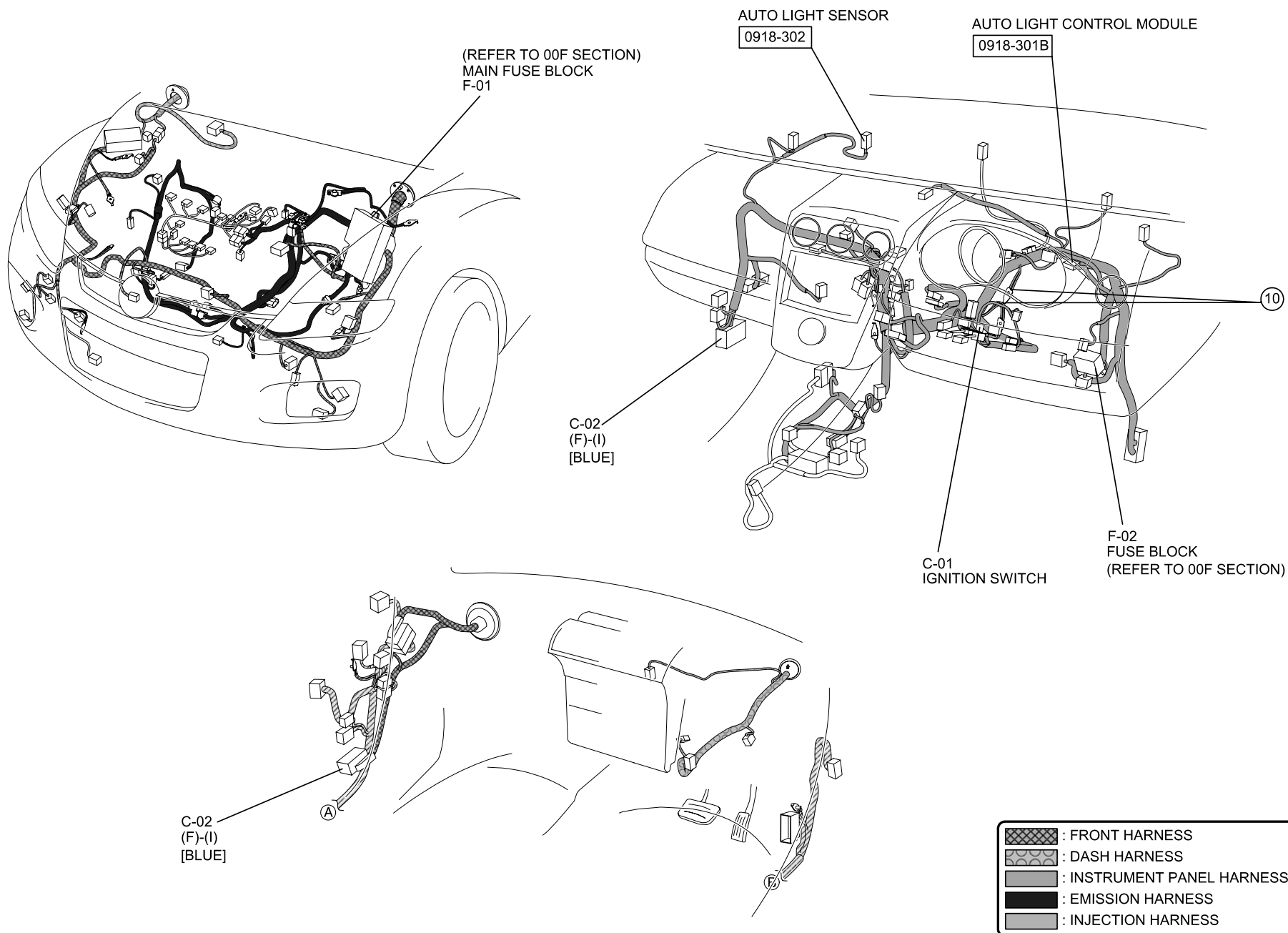


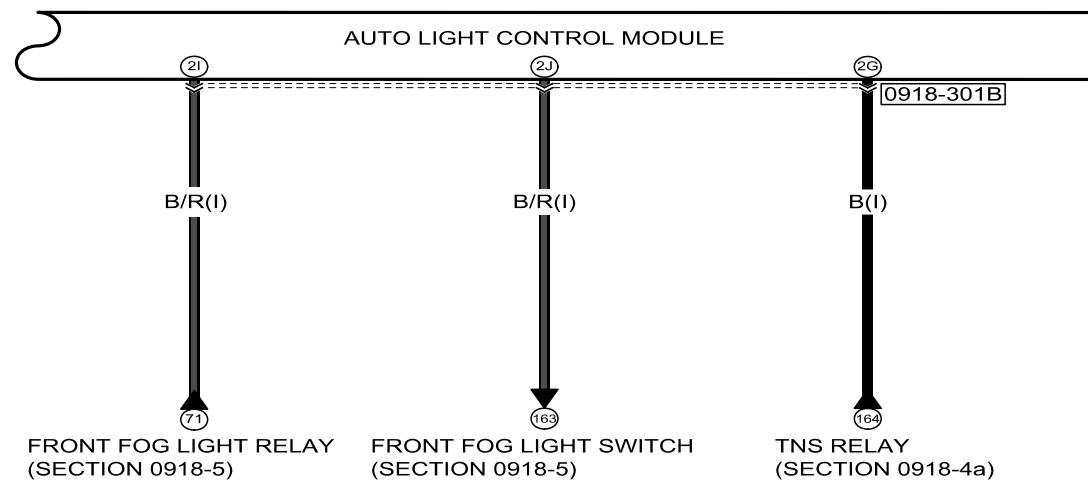
0918-301B
AUTO LIGHT CONTROL MODULE



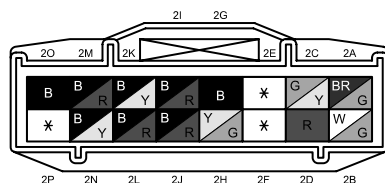
0918-302
AUTO LIGHT SENSOR

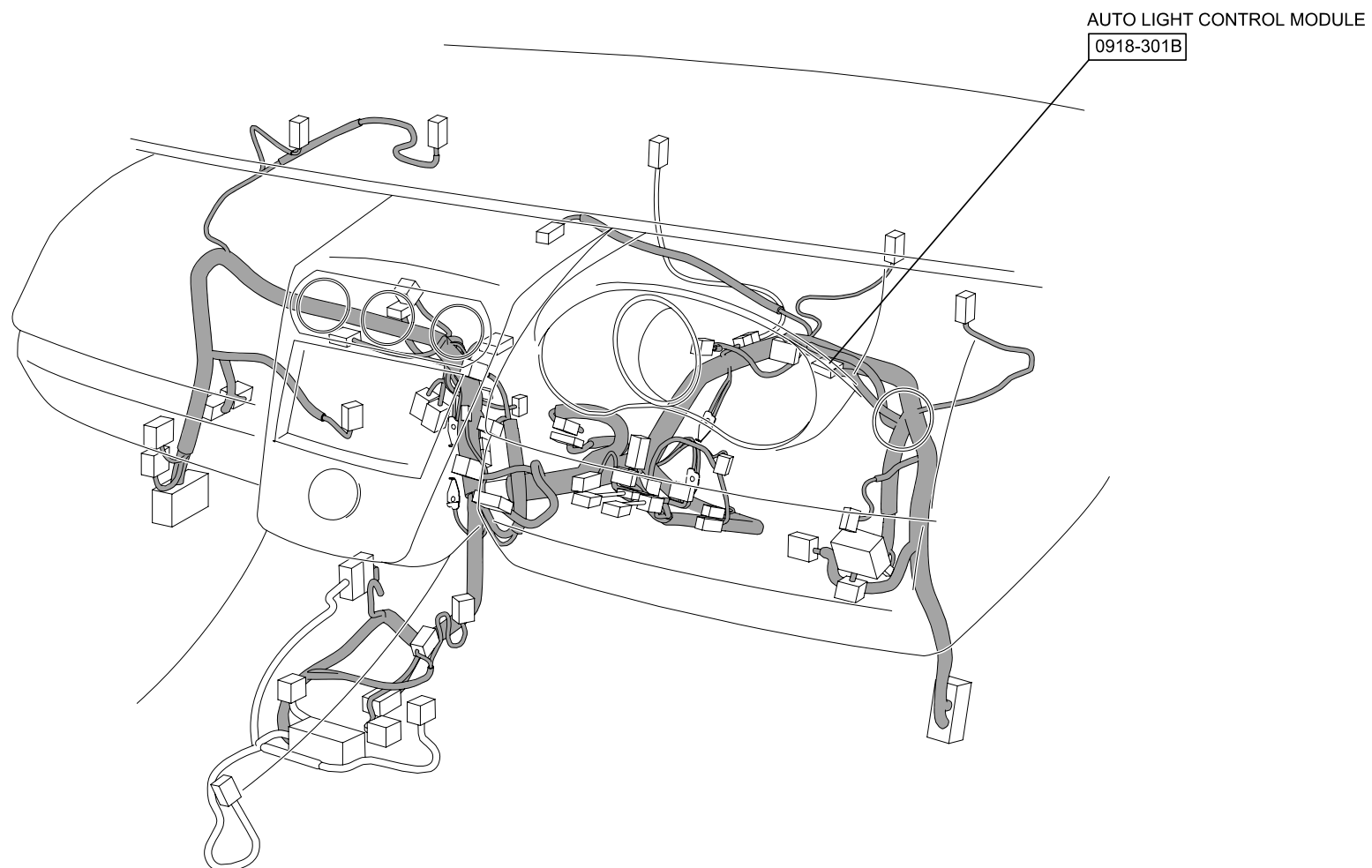






0918-301B
AUTO LIGHT CONTROL MODULE

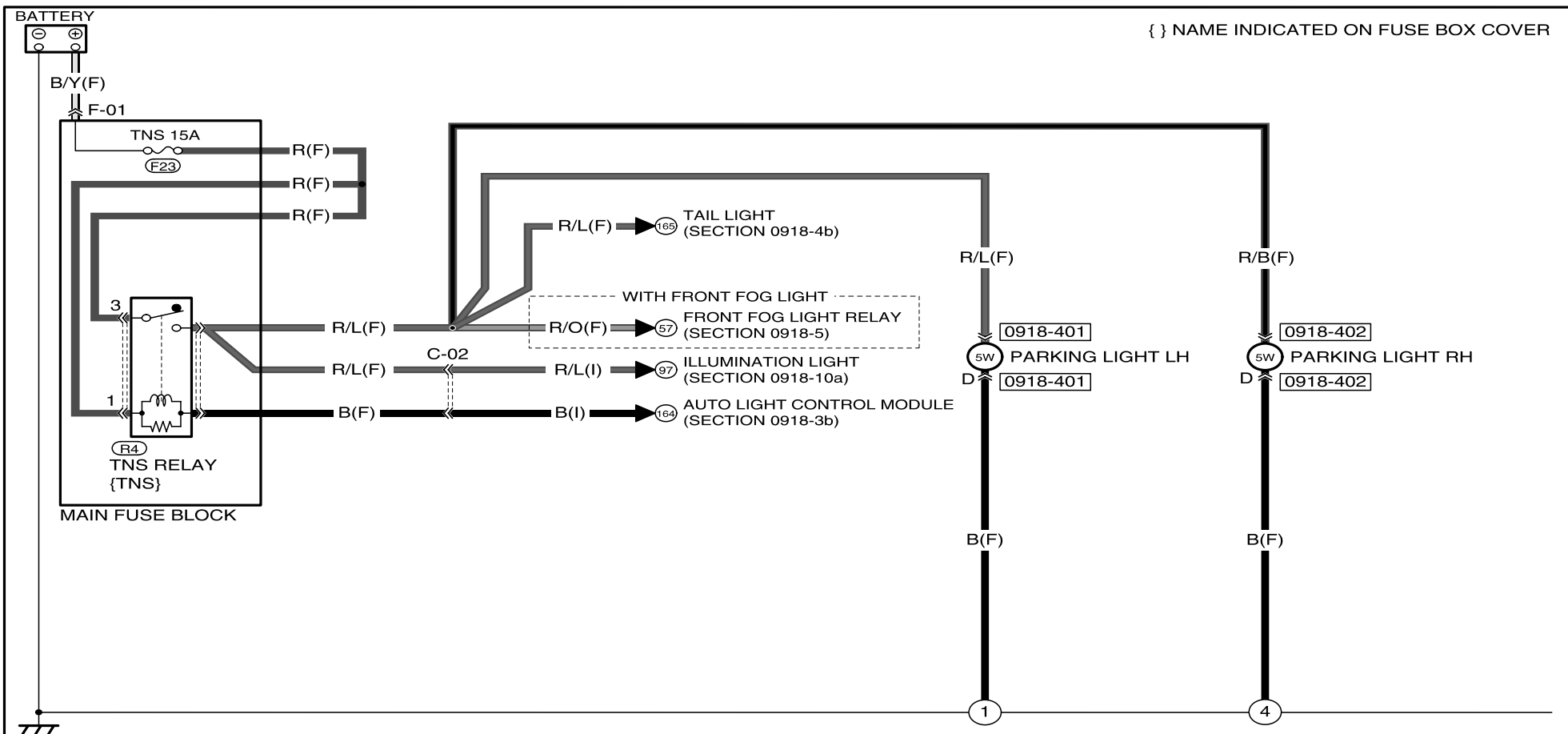




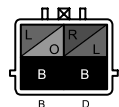
 : INSTRUMENT PANEL HARNESS

LICENSE PLATE LIGHT/PARKING LIGHT/TAILLIGHT

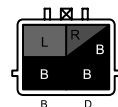
0918-4a

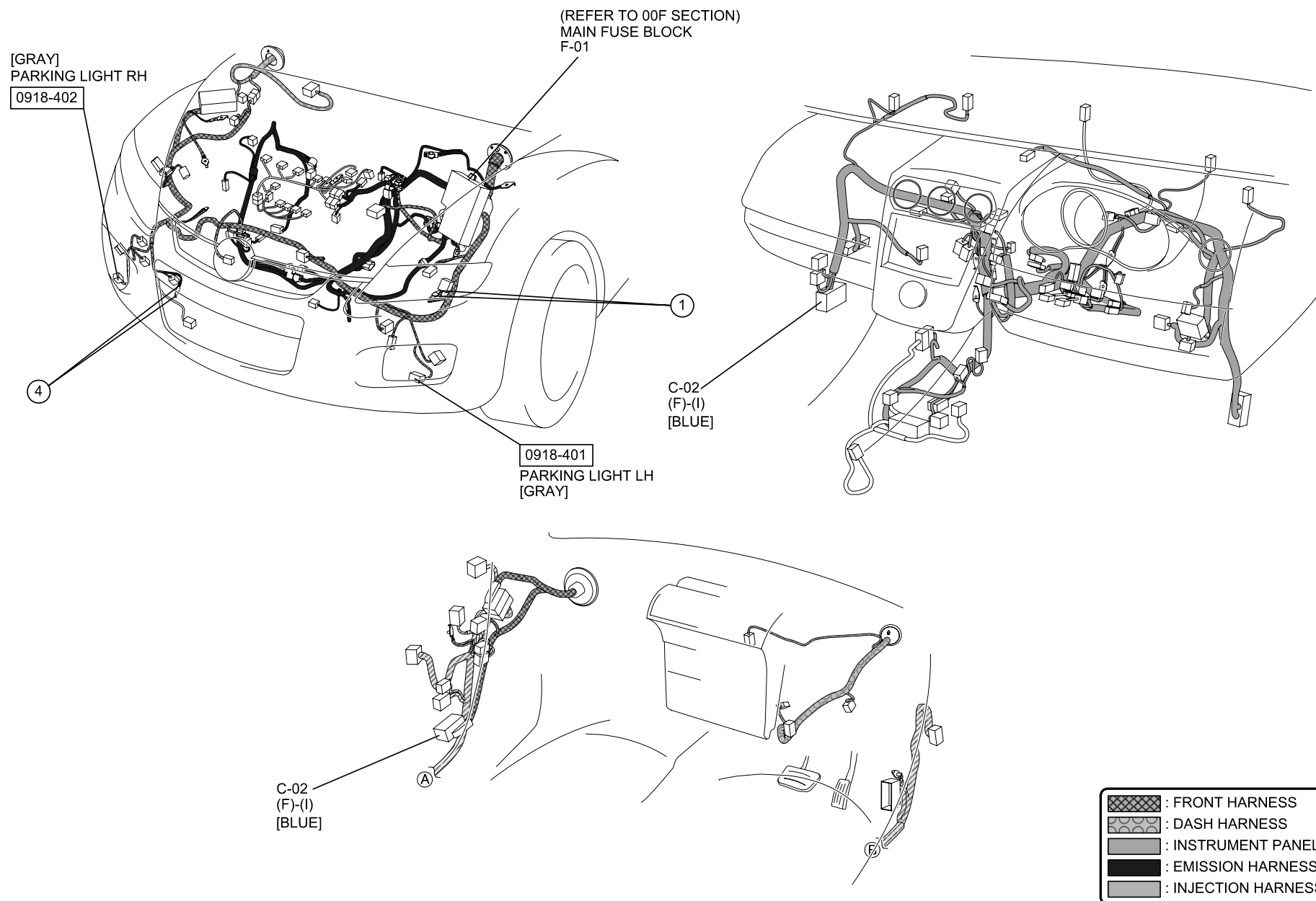


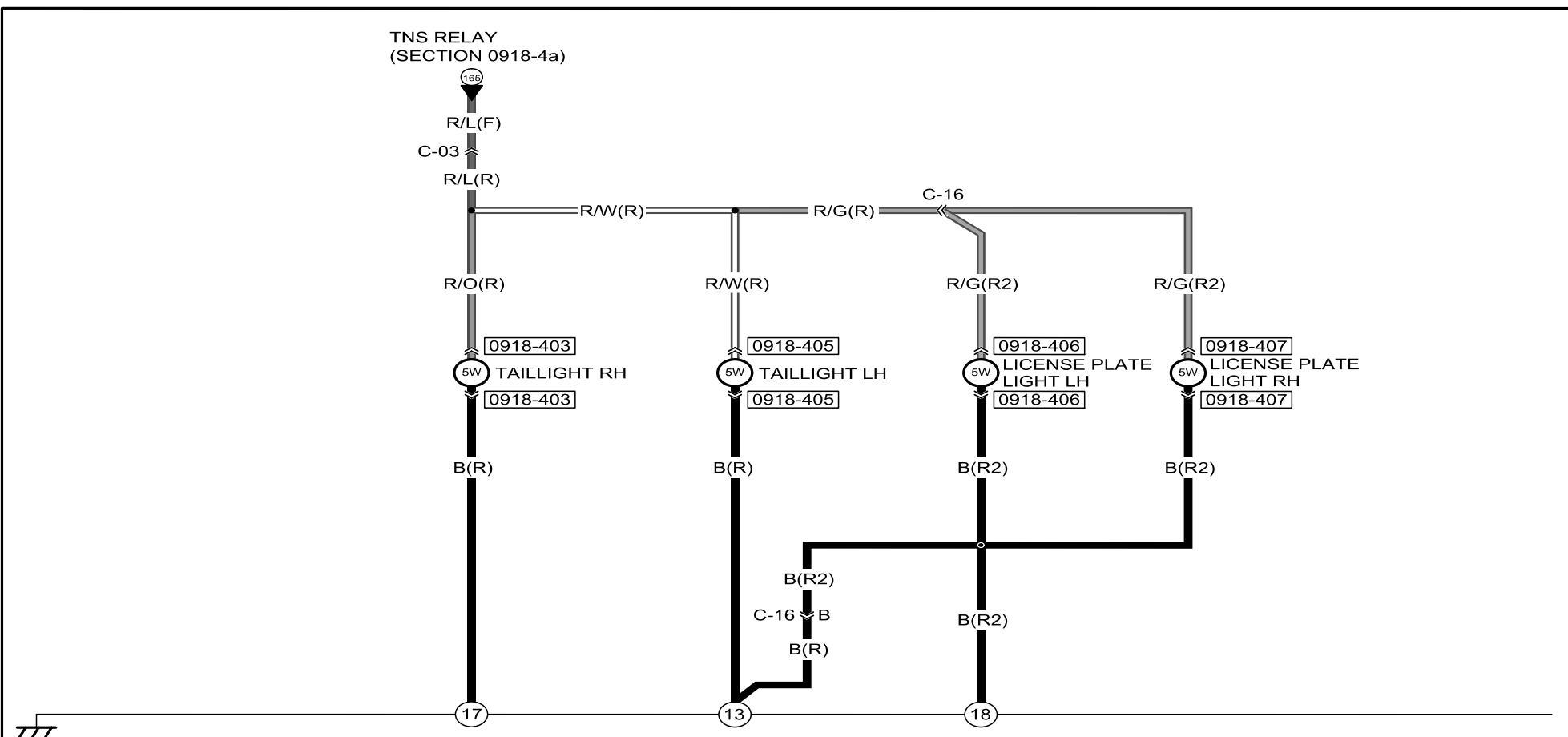
0918-401
PARKING LIGHT LH


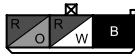




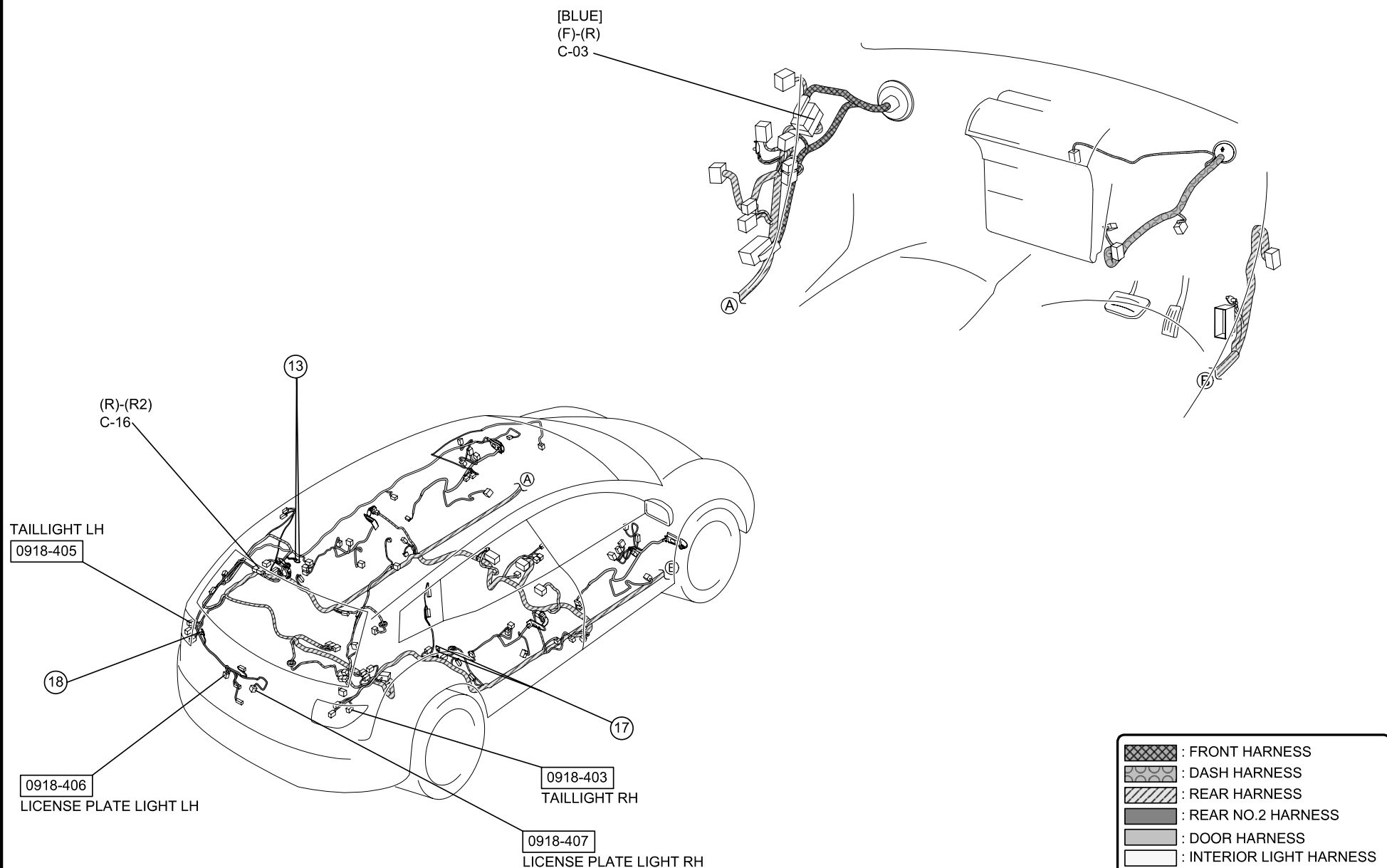
0918-402
PARKING LIGHT RH





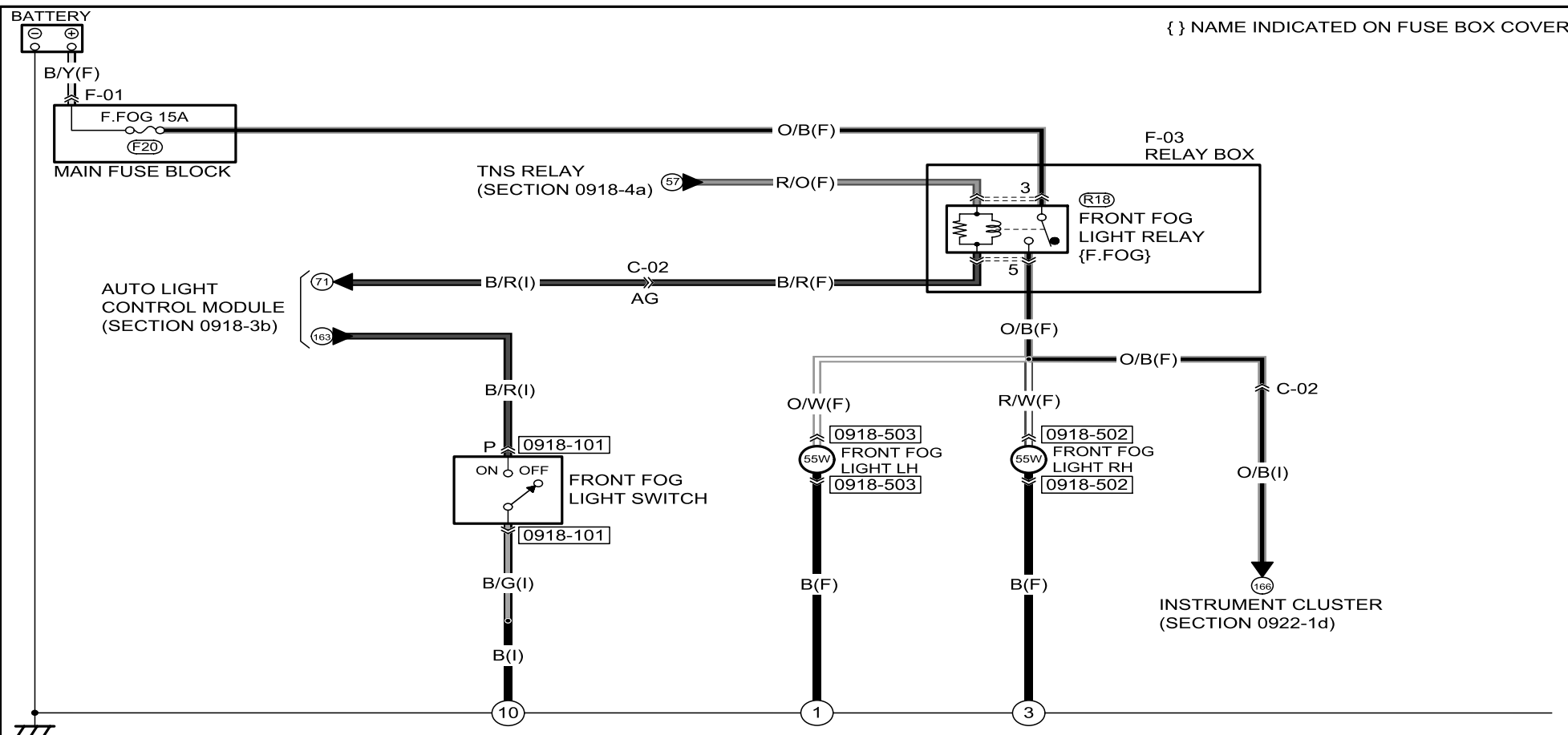


0918-403 TAILLIGHT RH 	0918-405 TAILLIGHT LH 	0918-406 LICENSE PLATE LIGHT LH 	0918-407 LICENSE PLATE LIGHT RH 		

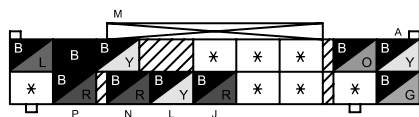


FRONT FOG LIGHT

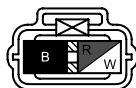
0918-5



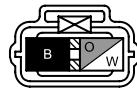
0918-101
FRONT FOG LIGHT SWITCH



0918-502
FRONT FOG LIGHT RH



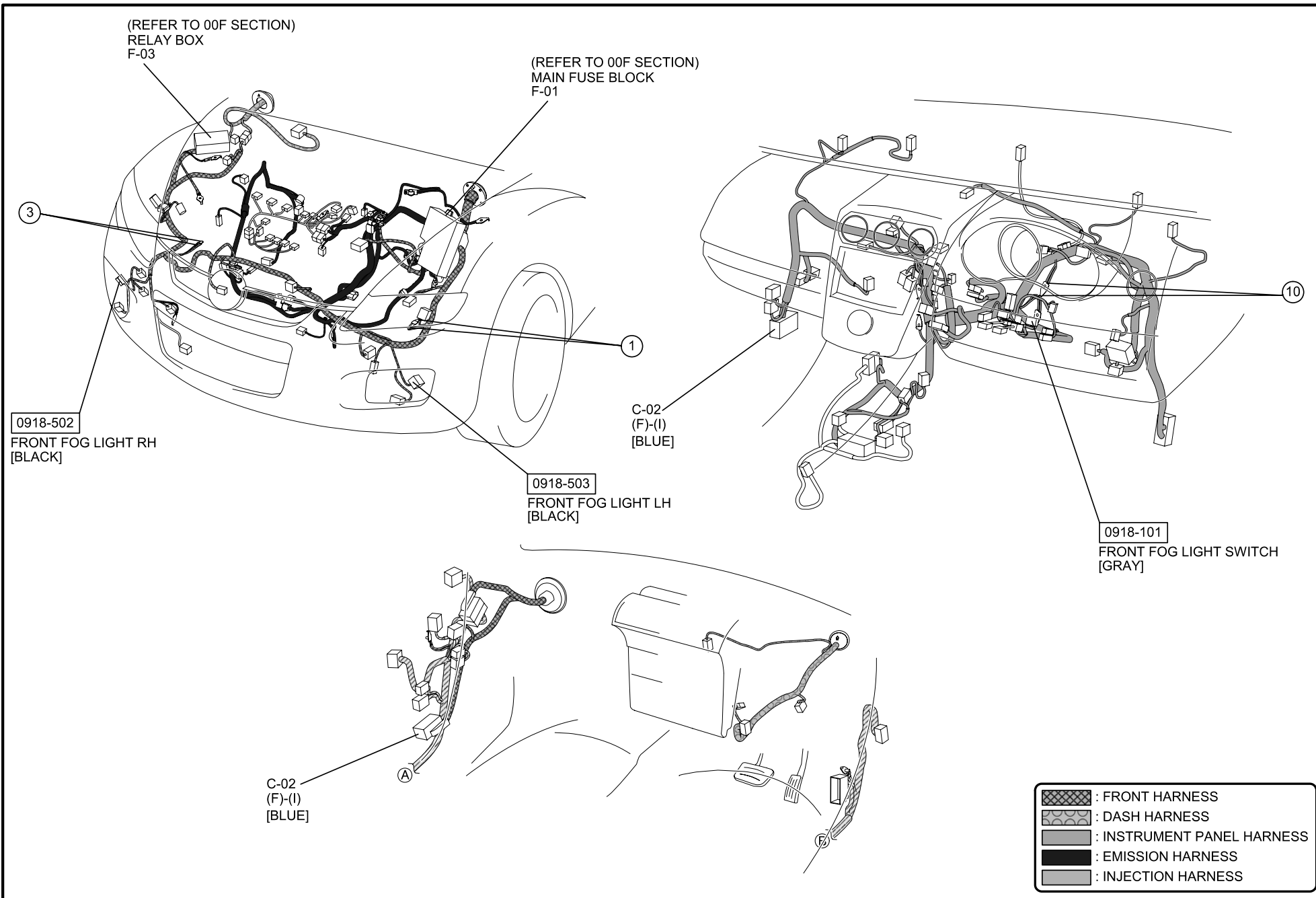
0918-503
FRONT FOG LIGHT LH



FRONT FOG LIGHT

0918-5

131

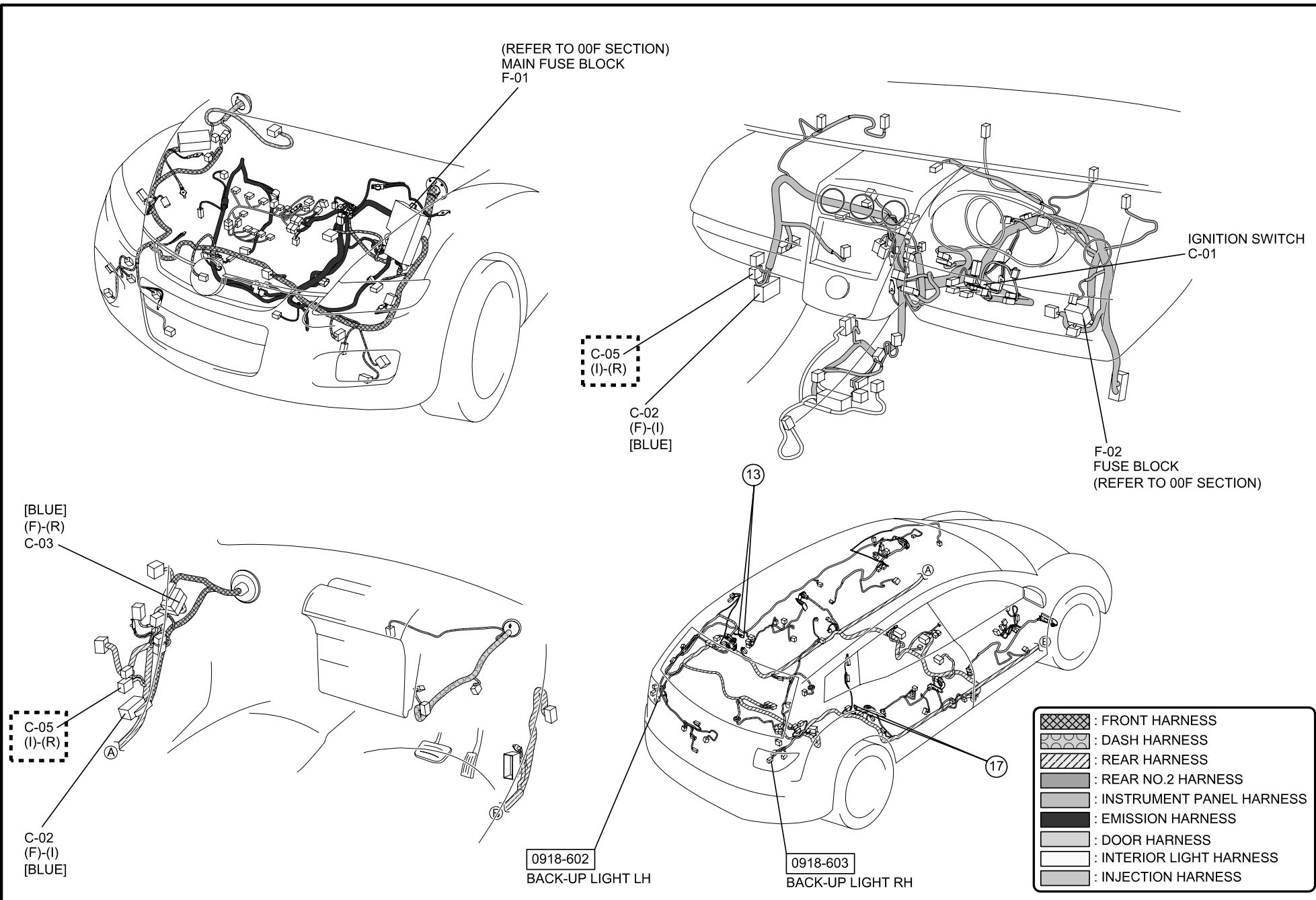


132



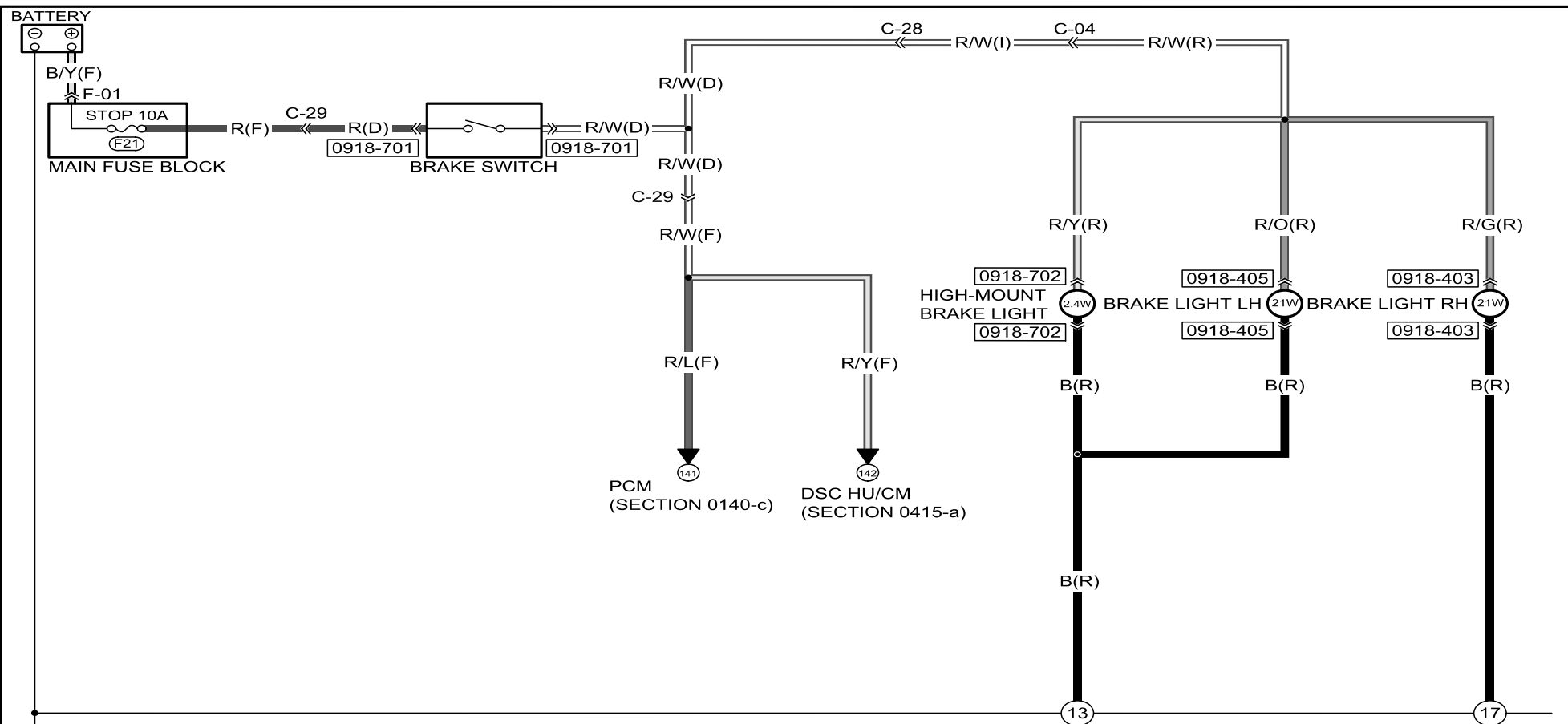
BACK-UP LIGHT

0918-6



BRAKE LIGHT/HIGH-MOUNT BRAKE LIGHT

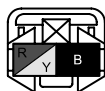
0918-7



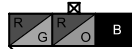
0918-701
BRAKE SWITCH



0918-702
HIGH-MOUNT BRAKE LIGHT



0918-403
BRAKE LIGHT RH



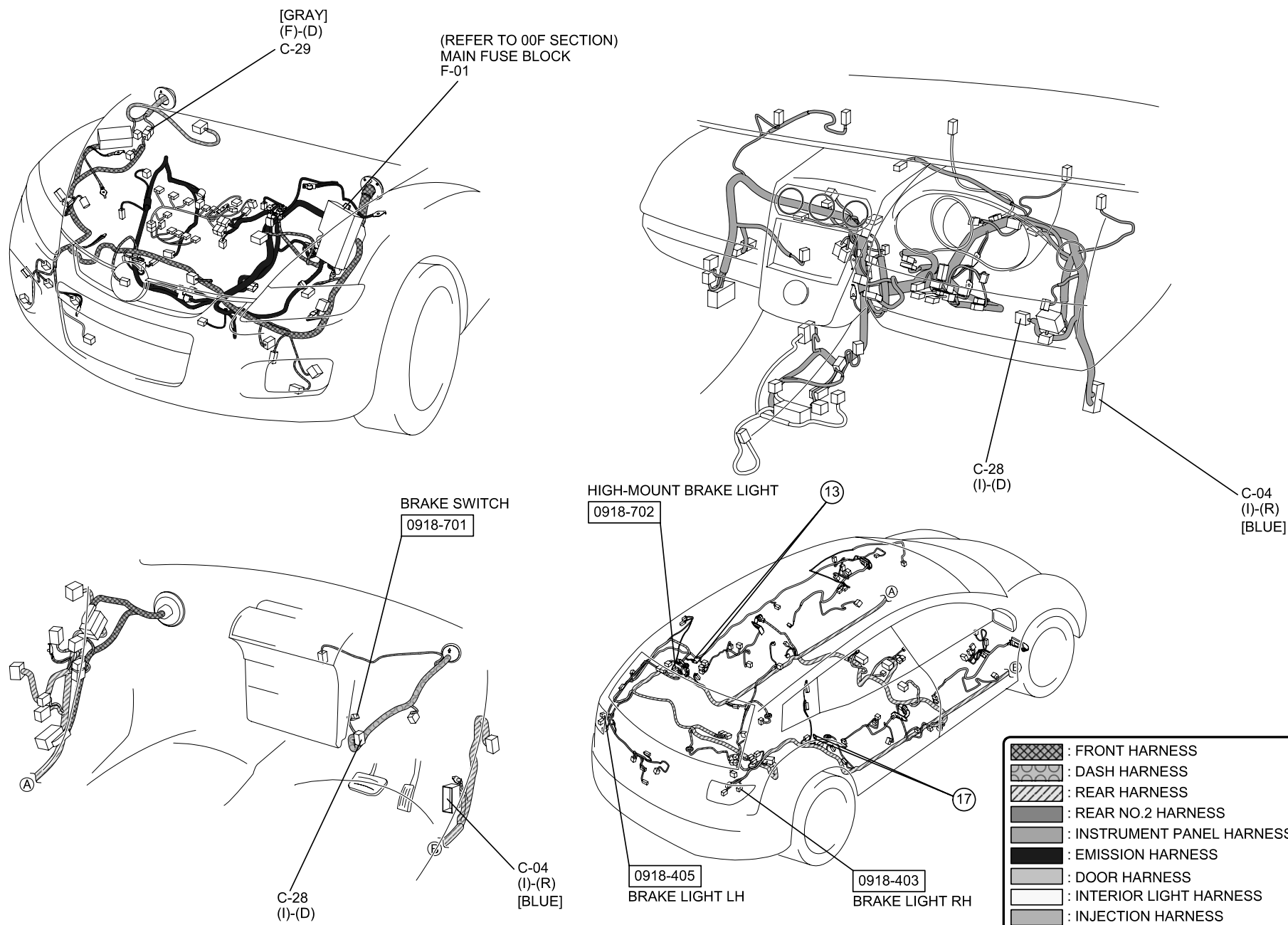
0918-405
BRAKE LIGHT LH

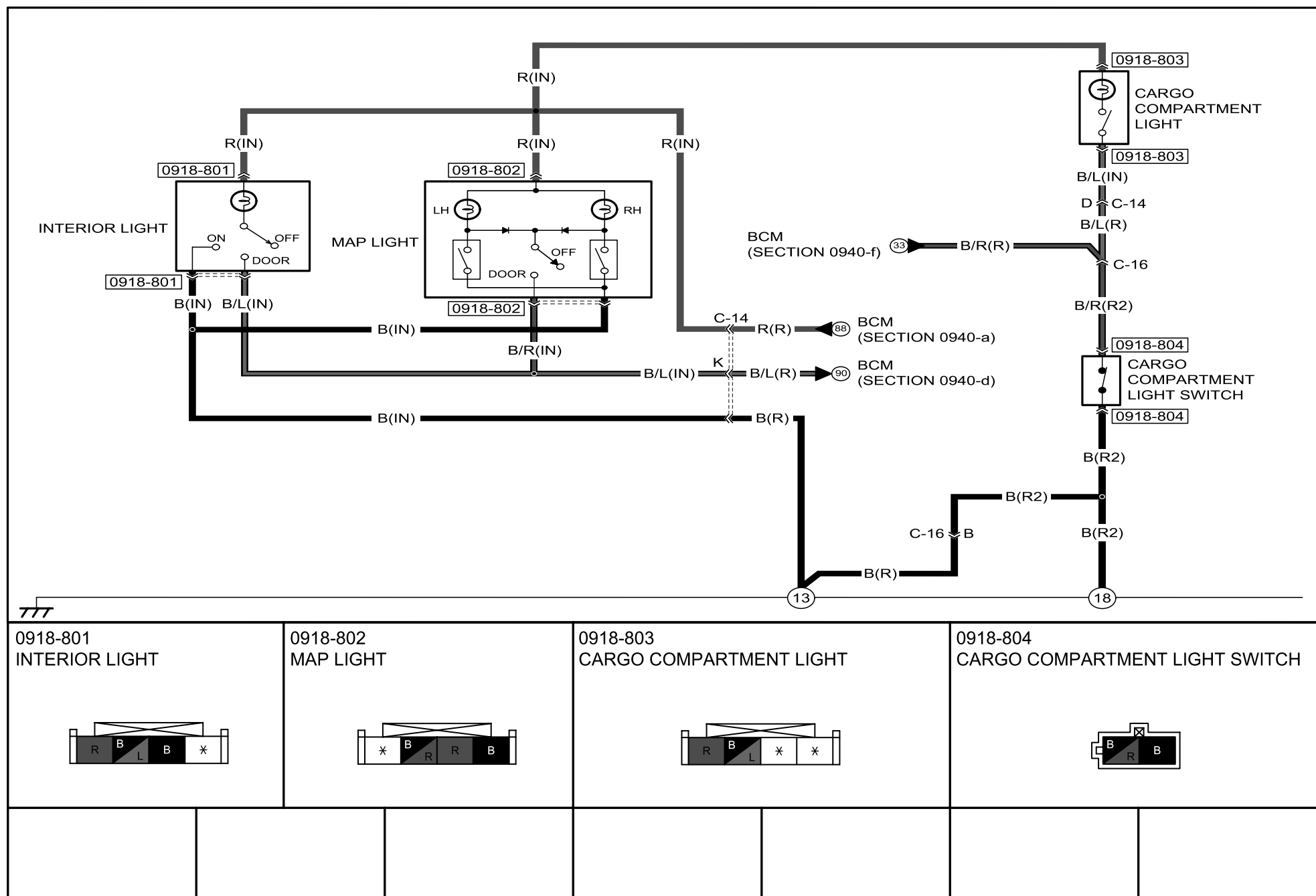


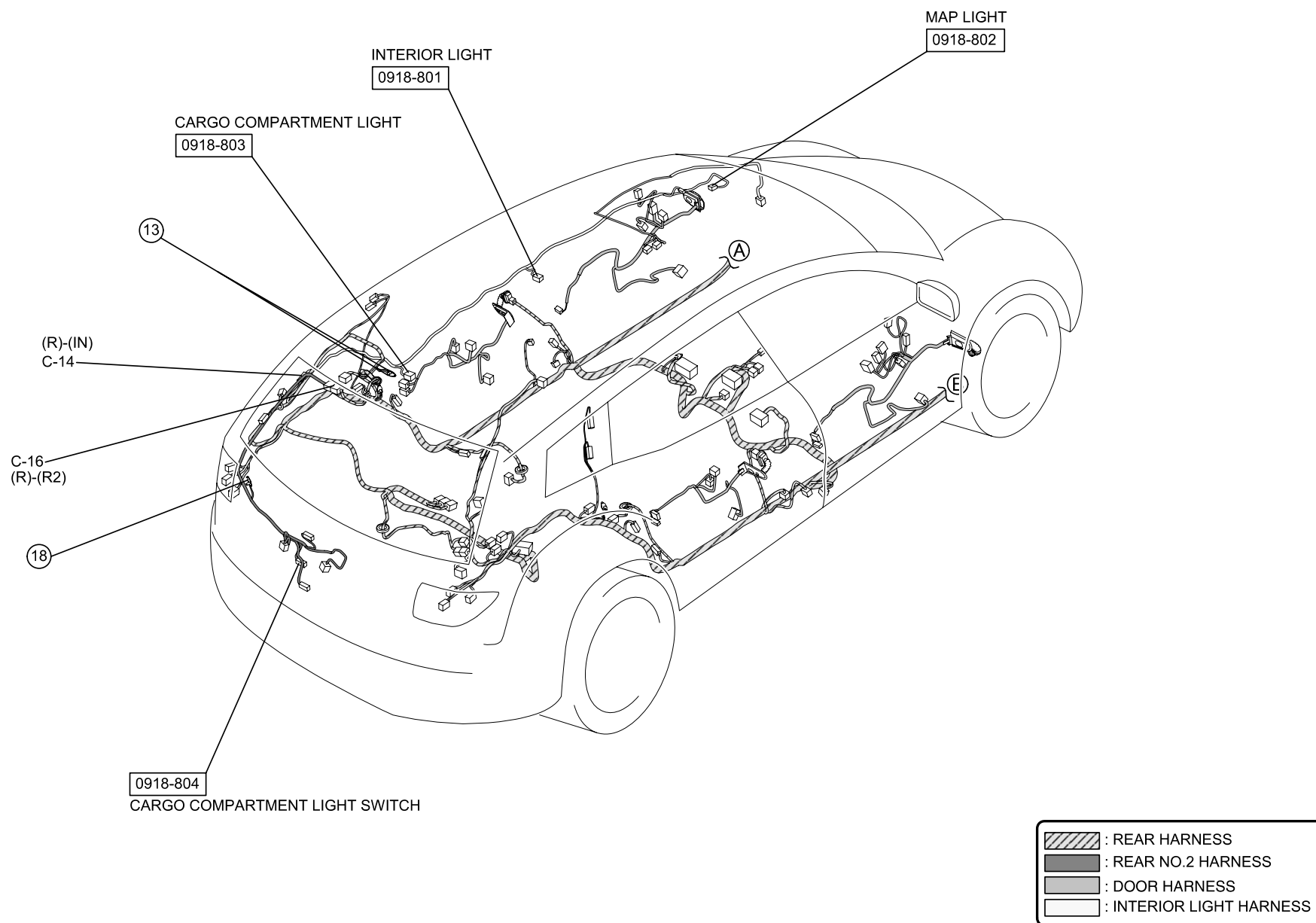
BRAKE LIGHT/HIGH-MOUNT BRAKE LIGHT

0918-7

135

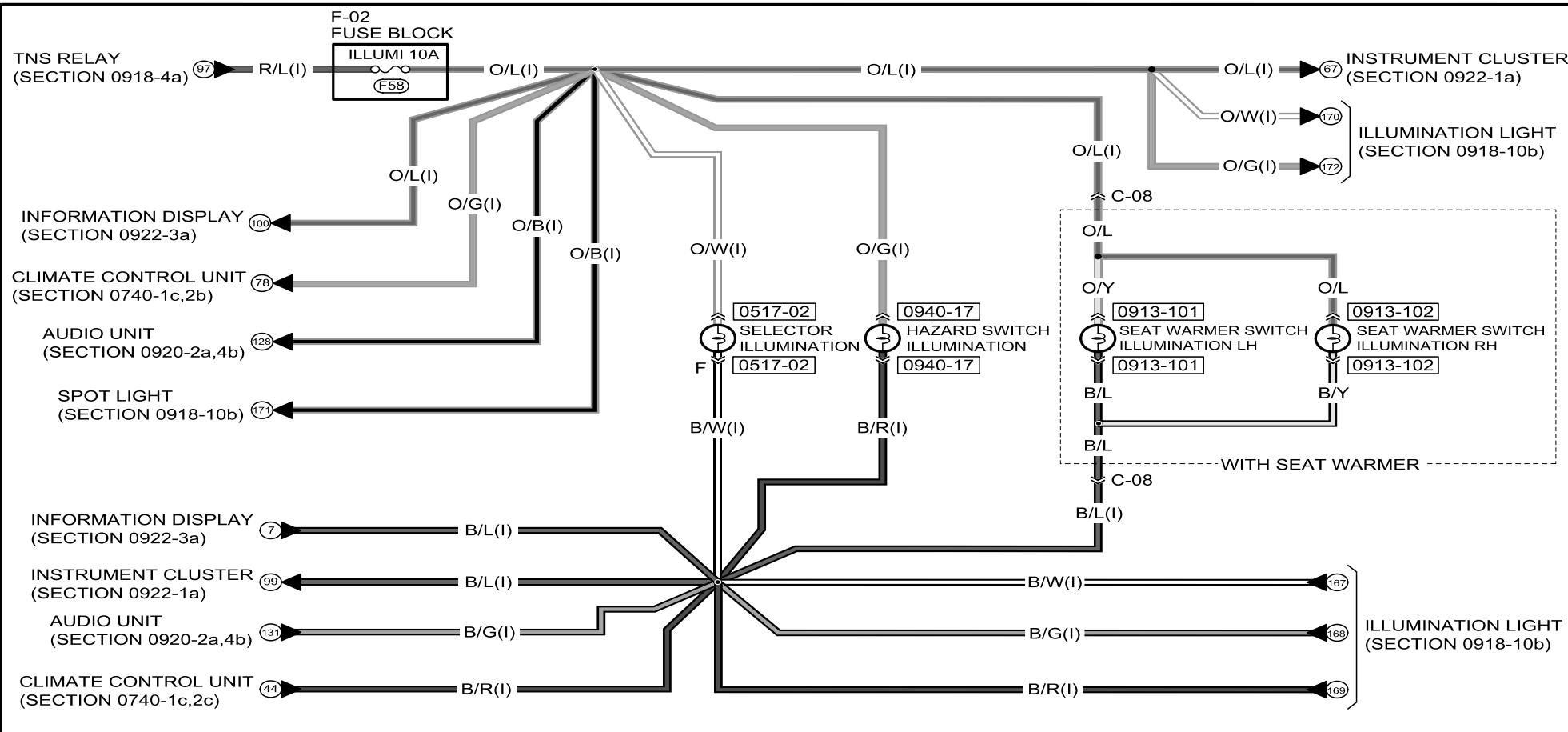




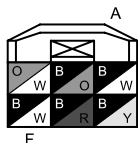


ILLUMINATION LIGHT

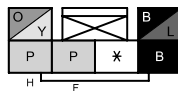
0918-10a



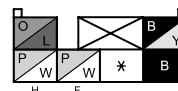
0517-02
SELECTOR ILLUMINATION



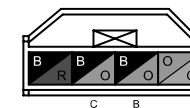
0913-101
SEAT WARMER SWITCH ILLUMINATION LH



0913-102
SEAT WARMER SWITCH ILLUMINATION RH



0940-17
HAZARD SWITCH ILLUMINATION



HAZARD SWITCH ILLUMINATION

0940-17

C-08
(I)-SHORT CORD

0913-101

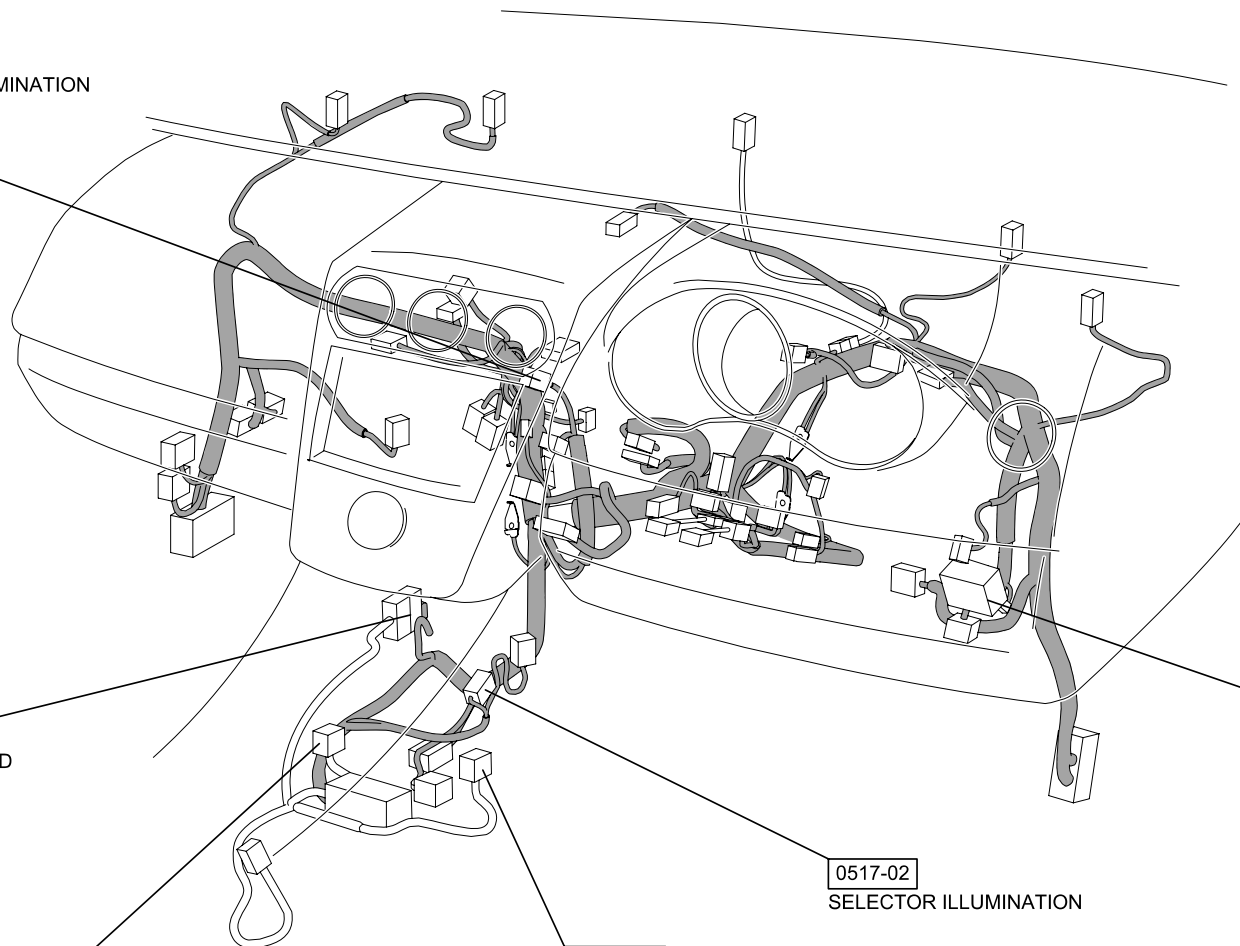
SEAT WARMER SWITCH ILLUMINATION LH
[BLACK]

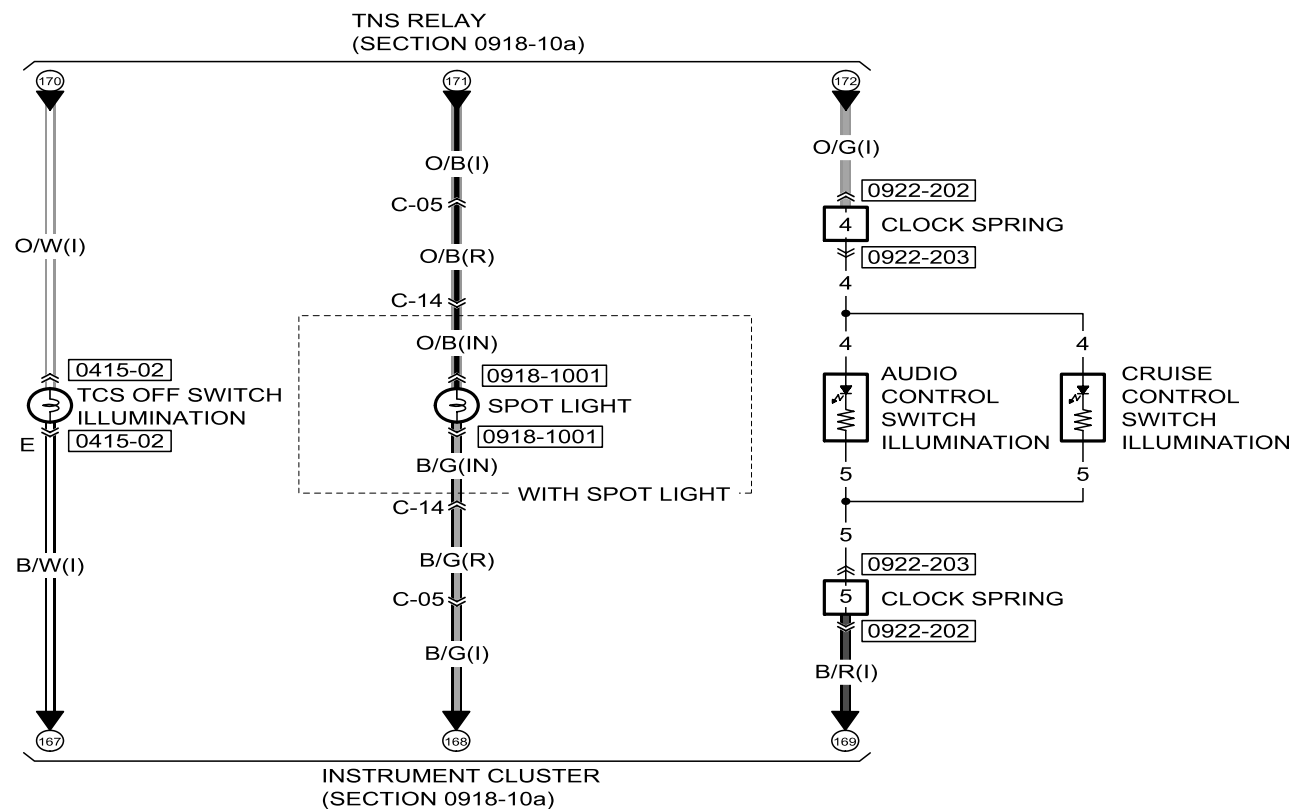
0913-102

SEAT WARMER SWITCH ILLUMINATION RH

0517-02

SELECTOR ILLUMINATION

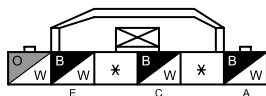
F-02
FUSE BLOCK
(REFER TO 00F SECTION) : INSTRUMENT PANEL HARNESS



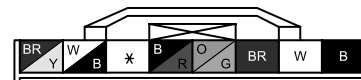
0918-1001
SPOT LIGHT



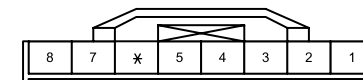
0415-02
TCS OFF SWITCH ILLUMINATION



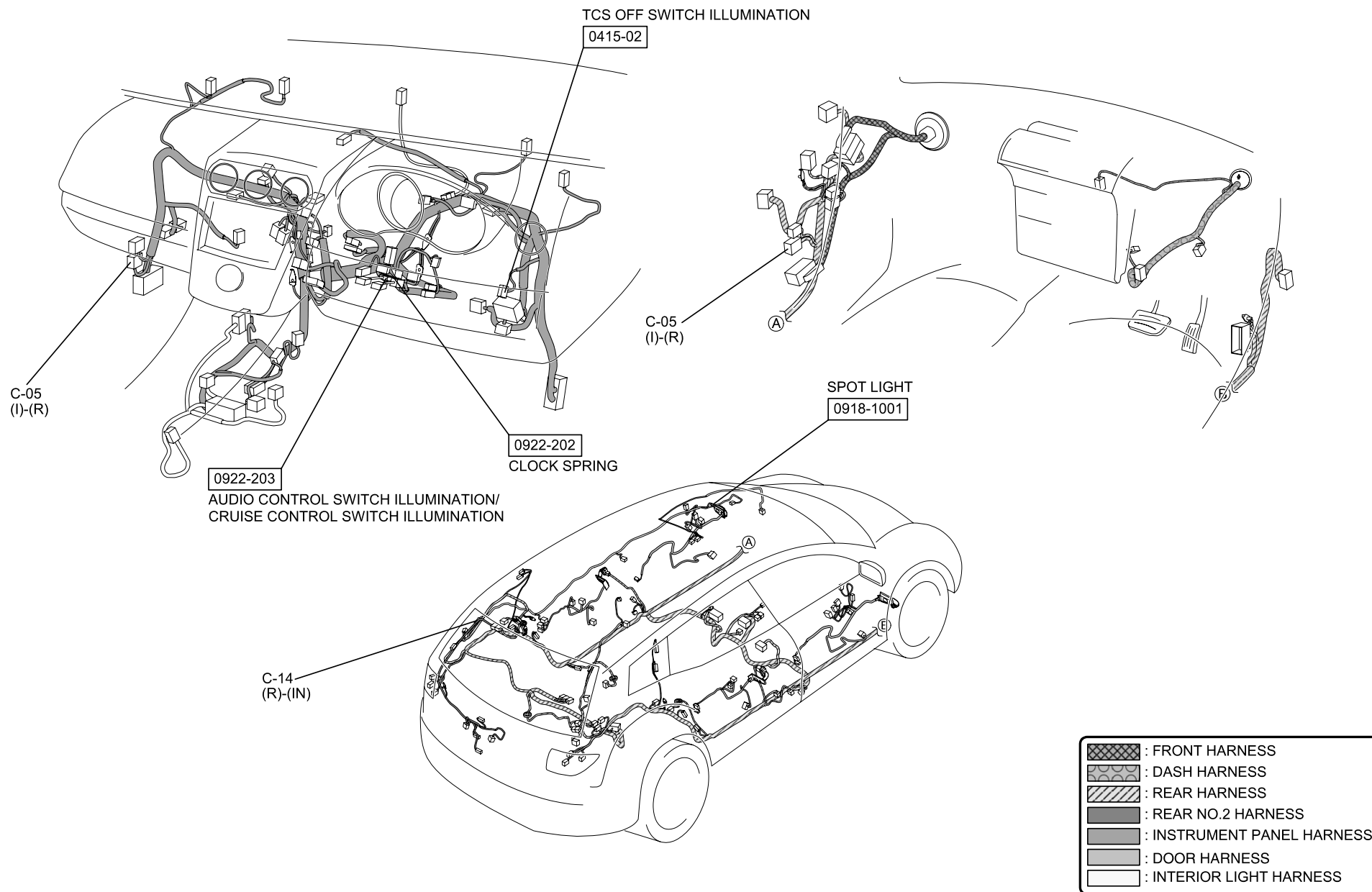
0922-202
CLOCK SPRING



0922-203
AUDIO CONTROL SWITCH ILLUMINATION/
CRUISE CONTROL SWITCH ILLUMINATION

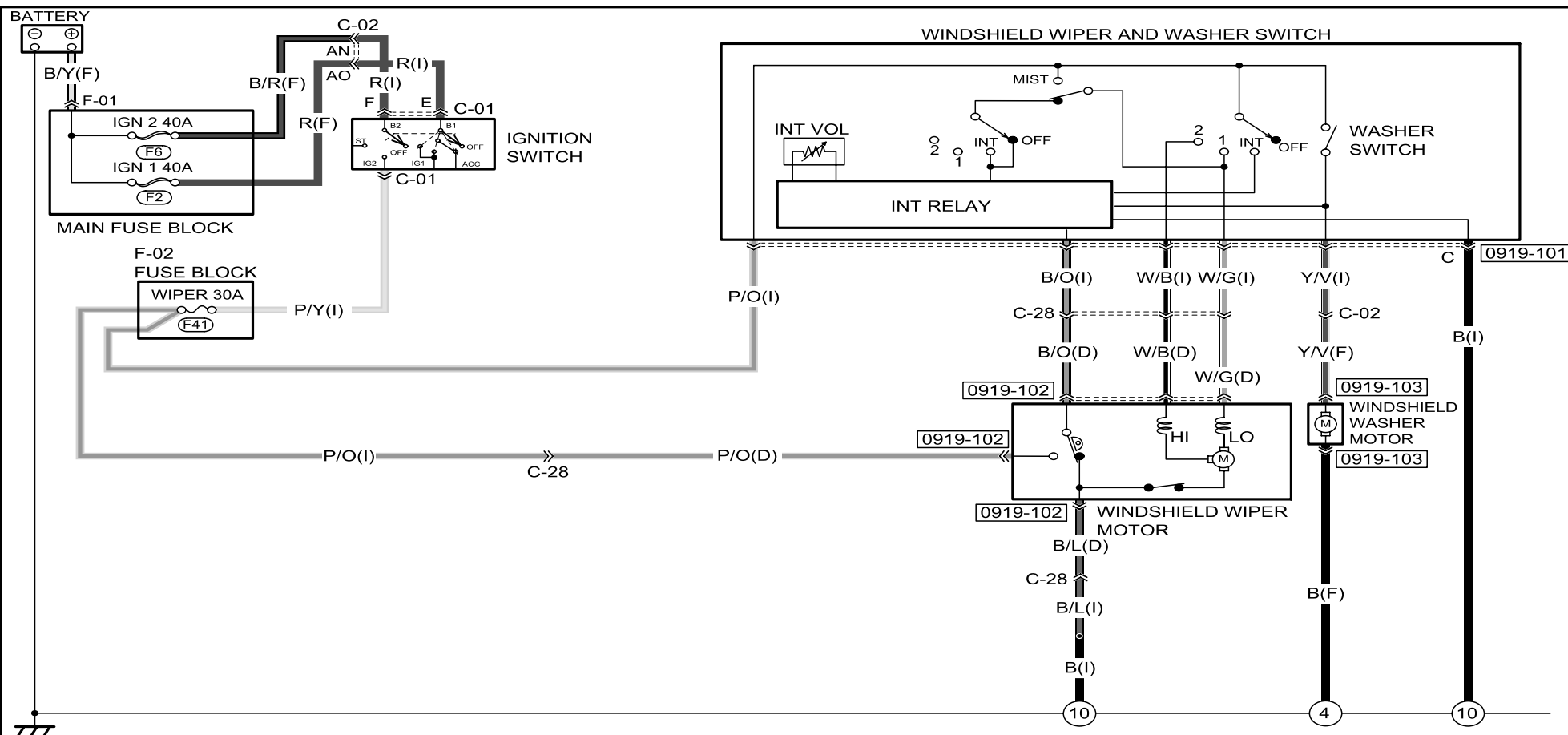


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

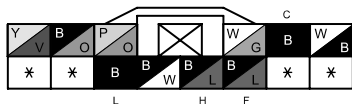


WINDSHIELD WIPER AND WASHER

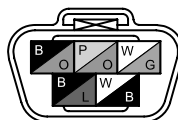
0919-1



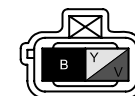
0919-101
WINDSHIELD WIPER AND WASHER SWITCH



0919-102
WINDSHIELD WIPER MOTOR



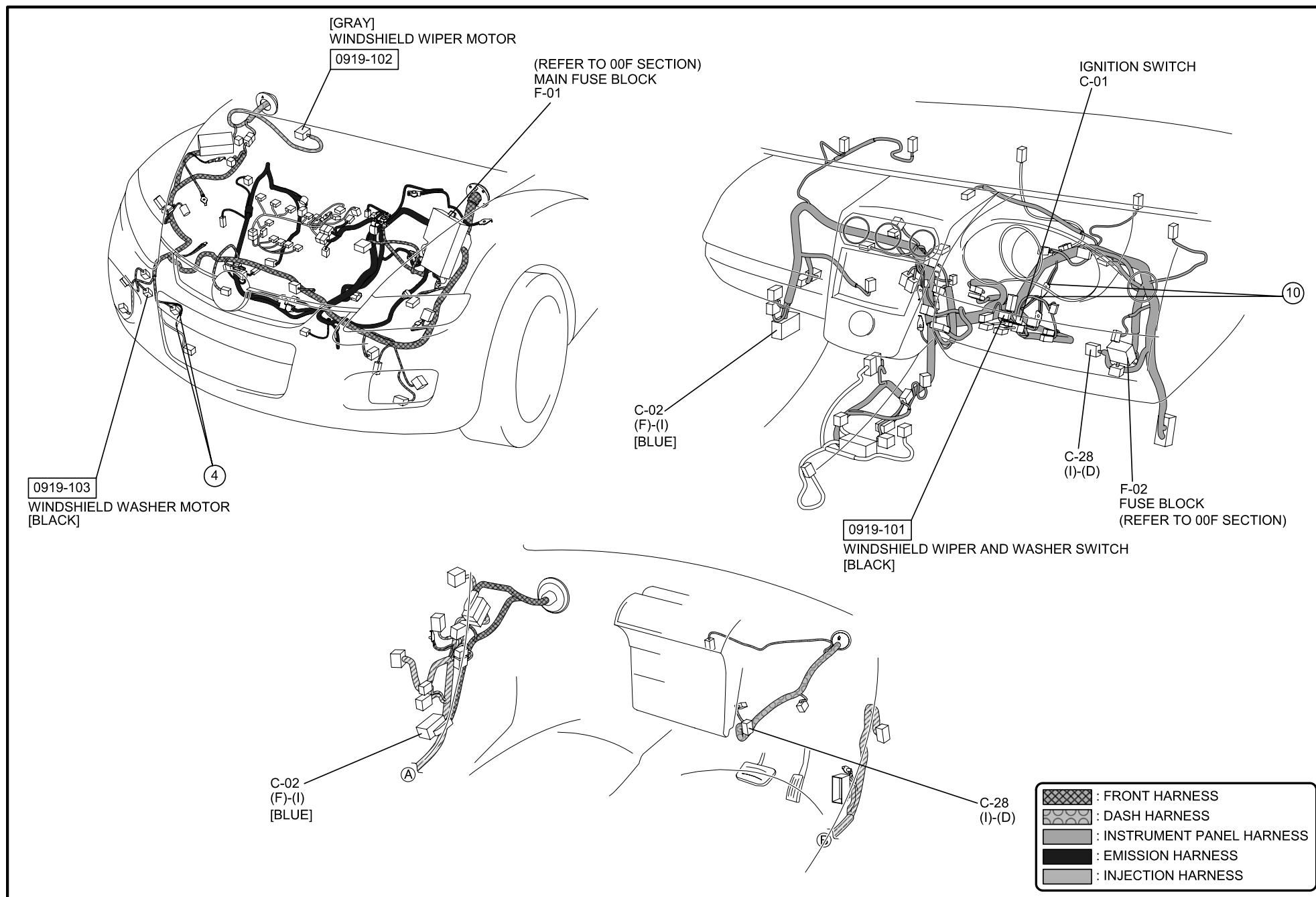
0919-103
WINDSHIELD WASHER MOTOR



WINDSHIELD WIPER AND WASHER

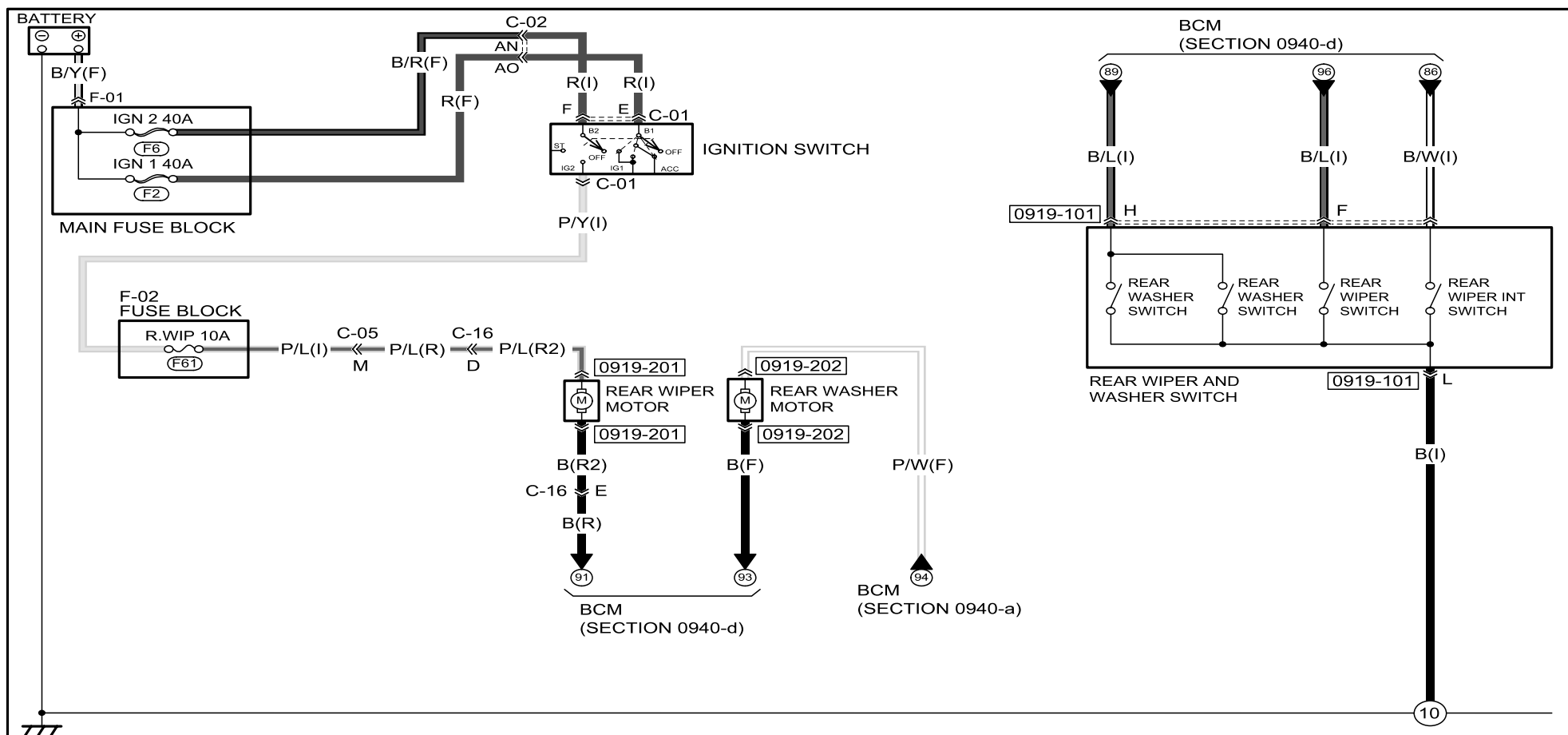
0919-1

143

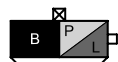


REAR WIPER AND WASHER

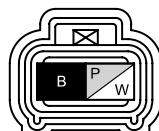
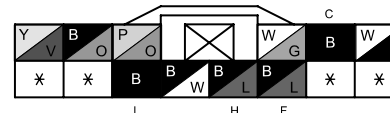
0919-2



0919-201
REAR WIPER MOTOR



0919-202	REAR WASHER MOTOR
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0919-101
REAR WIPER AND WASHER SWITCH

REAR WIPER AND WASHER

0919-2

145

[GRAY]
REAR WASHER MOTOR

0919-202

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

C-05
(I)-(R)

C-02
(F)-(I)
[BLUE]

0919-101

REAR WIPER AND WASHER SWITCH
[BLACK]

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

IGNITION SWITCH
C-01










(I)-(R)
C-05

C-02
(F)-(I)
[BLUE]

(R)-(R2)
C-16

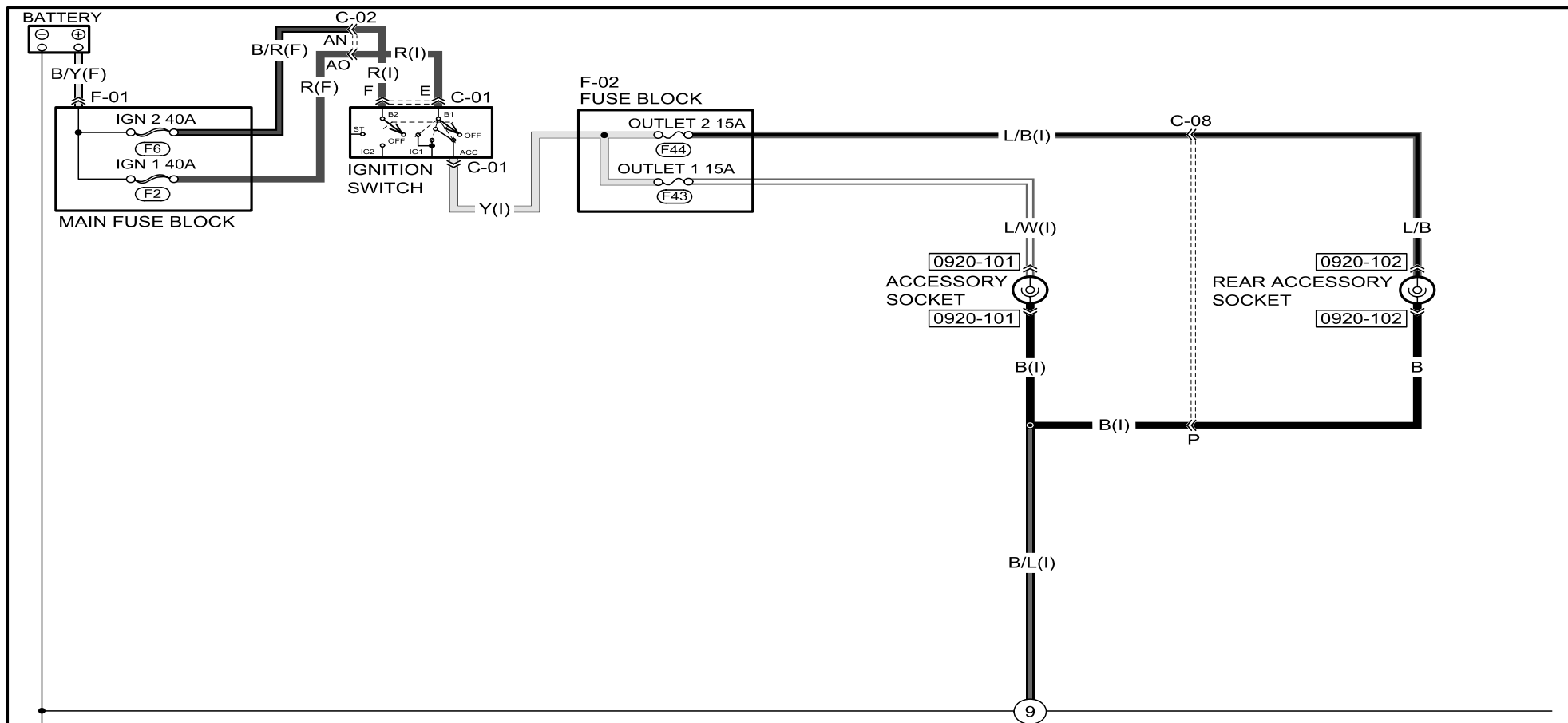
0919-201

REAR WIPER MOTOR

	: FRONT HARNESS
	: DASH HARNESS
	: REAR HARNESS
	: REAR NO.2 HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: DOOR HARNESS
	: INTERIOR LIGHT HARNESS
	: INJECTION HARNESS

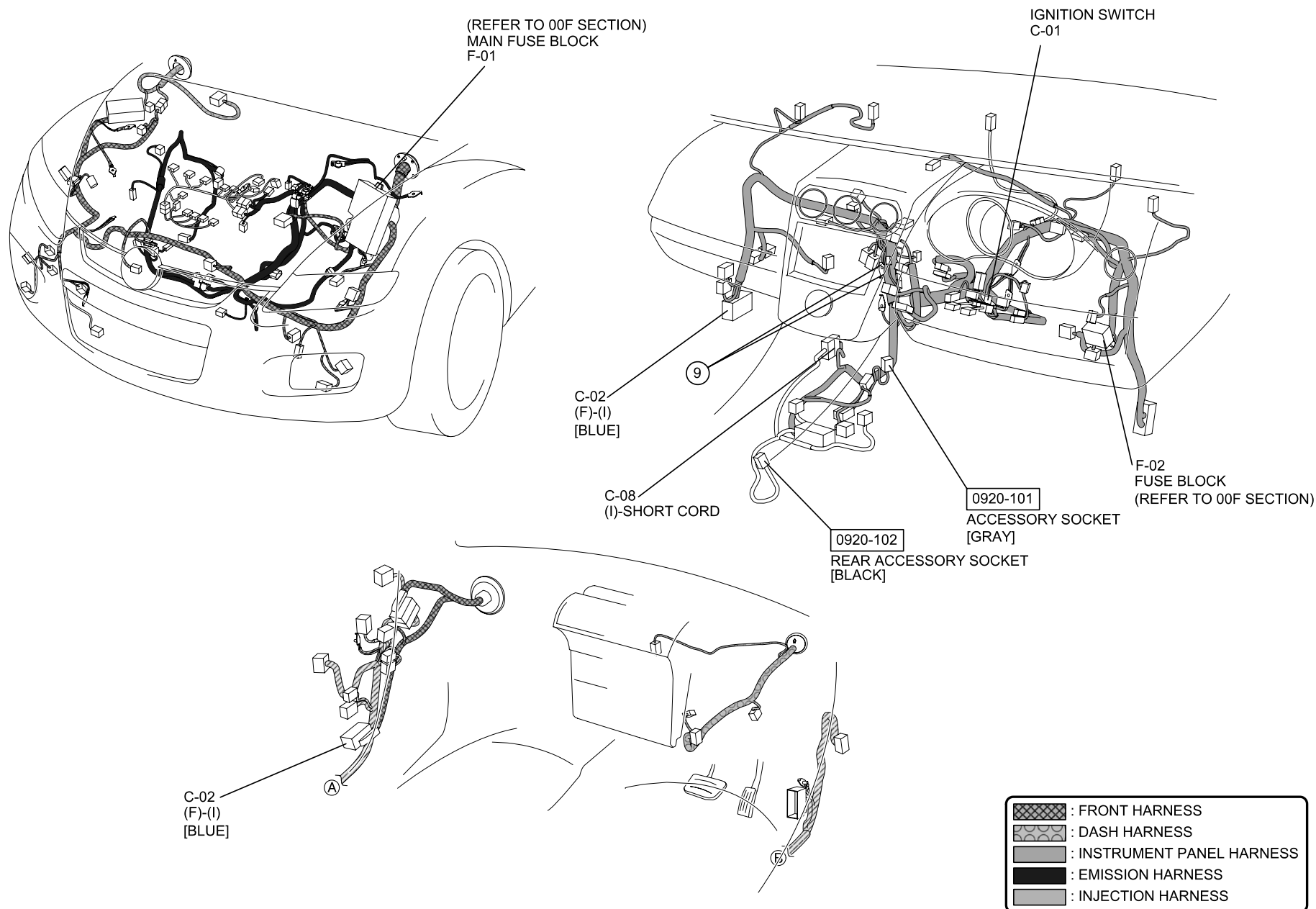
ACCESSORY SOCKET

0920-1



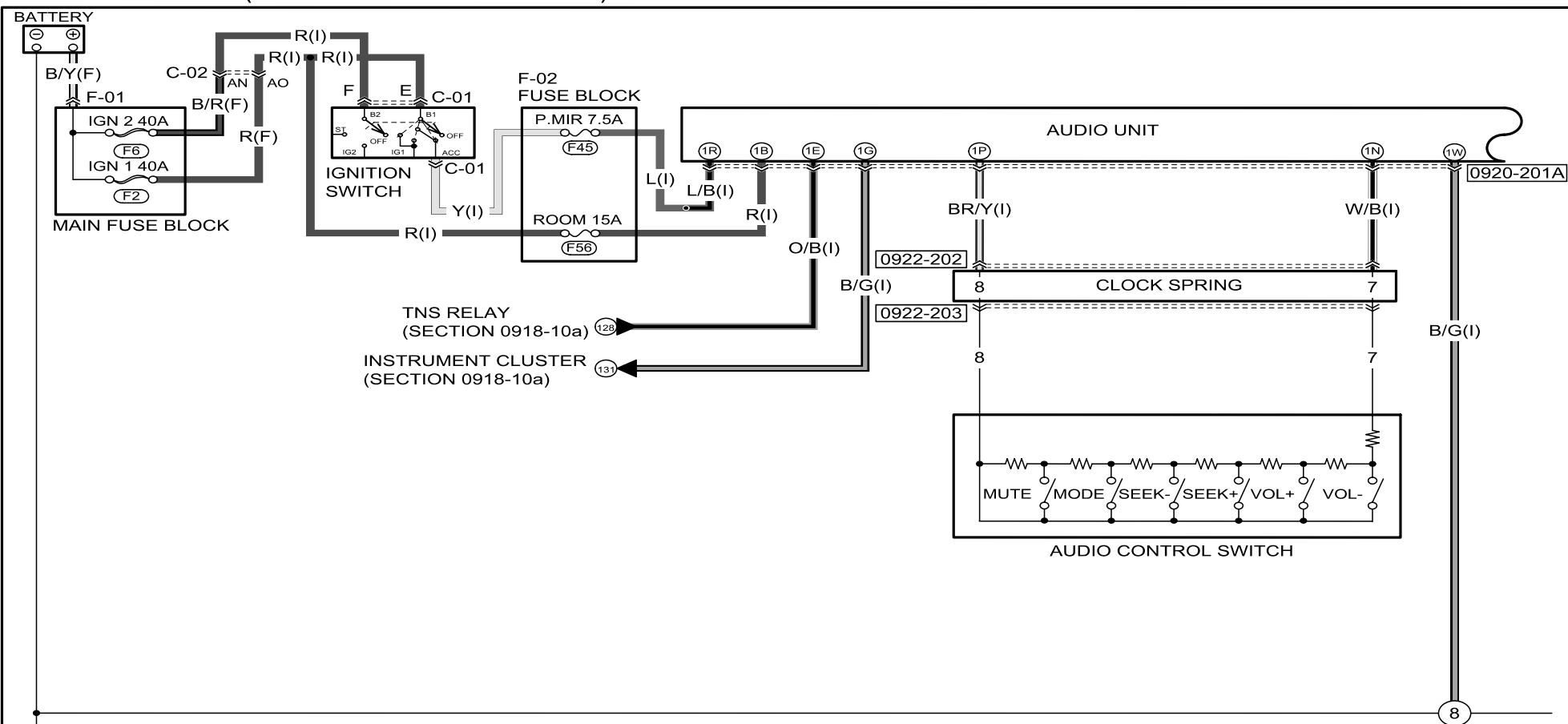
146

0920-101 ACCESSORY SOCKET		0920-102 REAR ACCESSORY SOCKET					

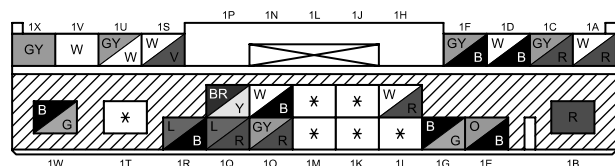


AUDIO SYSTEM (STANDARD TYPE AUDIO)

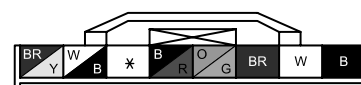
0920-2a



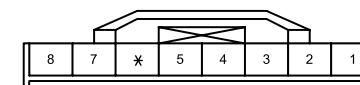
0920-201A
AUDIO UNIT



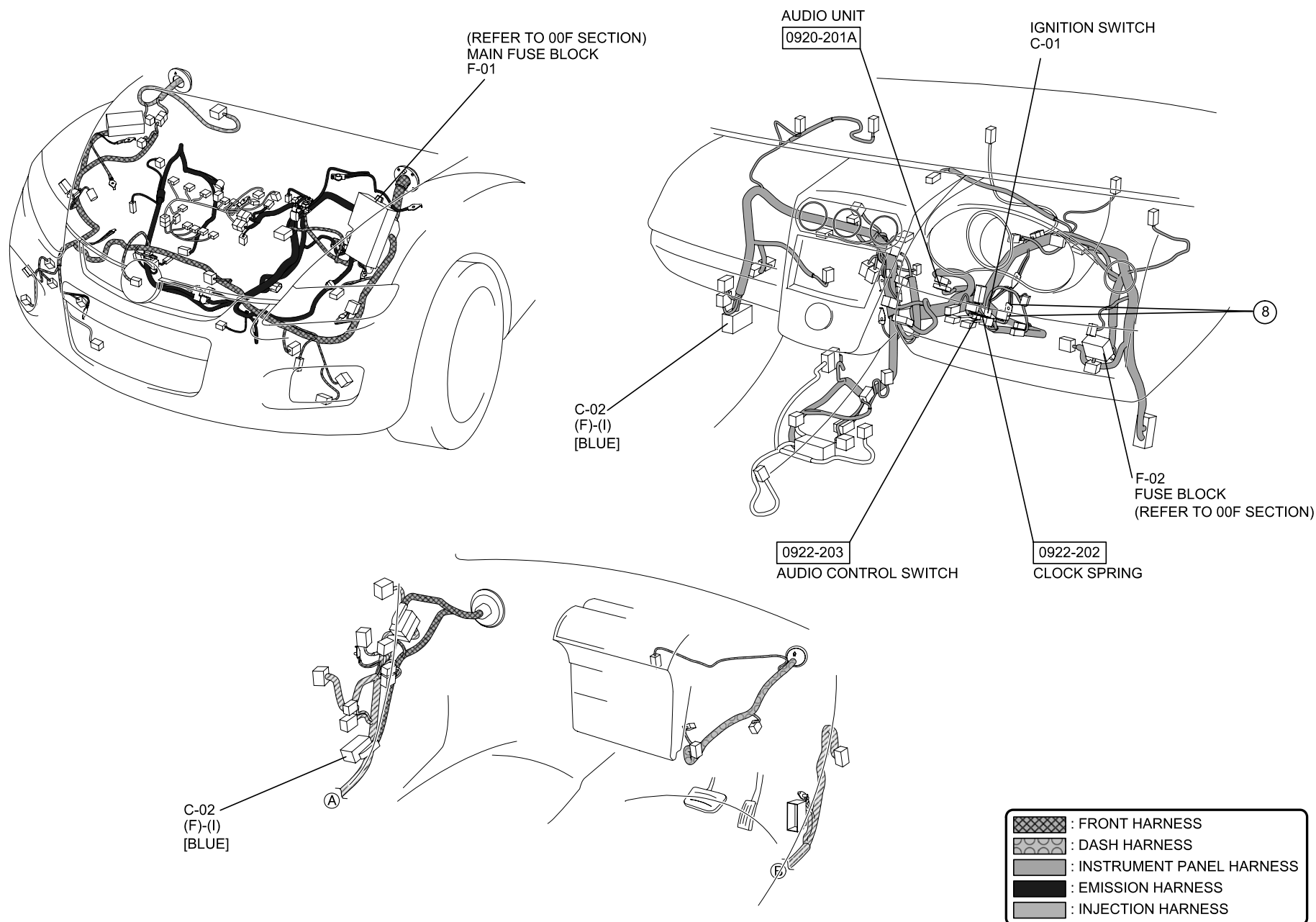
0922-202	CLOCK SPRING
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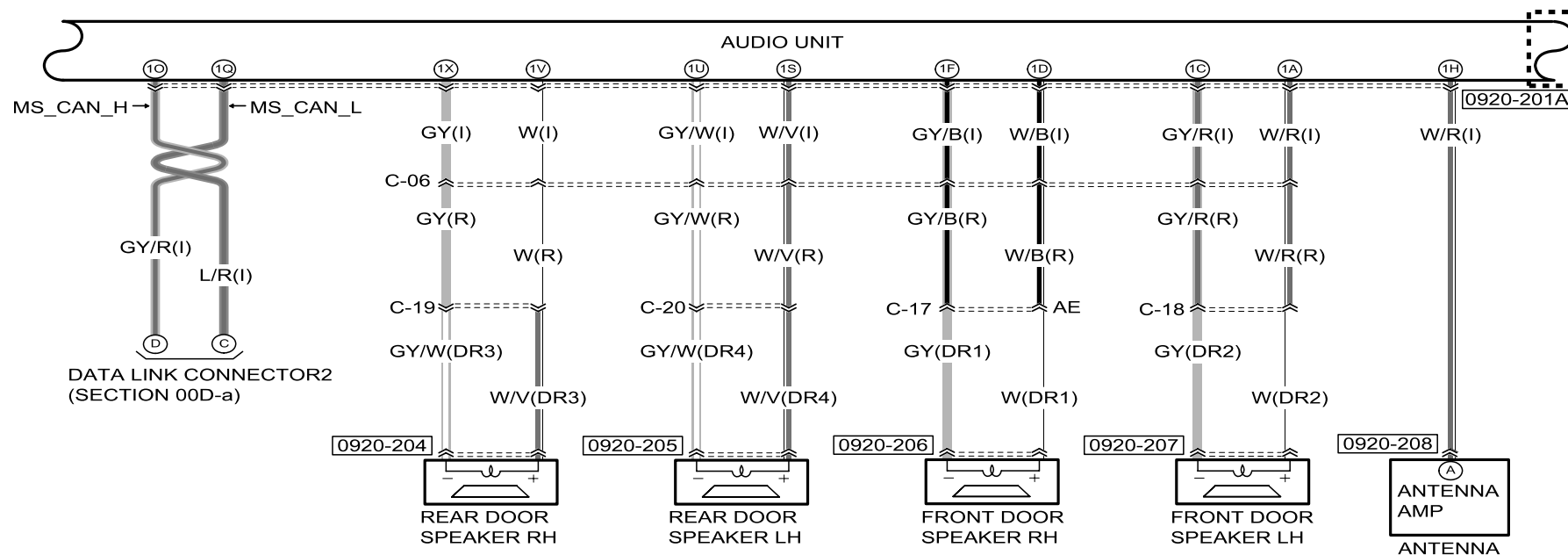


0922-203	AUDIO CONTROL SWITCH
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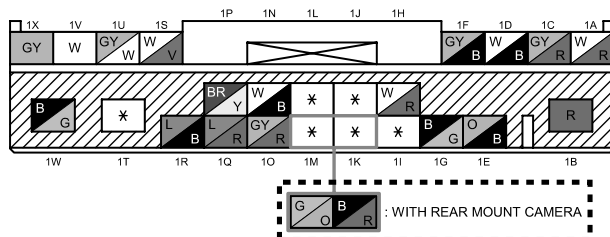


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.





0920-201A
AUDIO UNIT



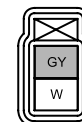
0920-204
REAR DOOR SPEAKER RH



0920-205
REAR DOOR SPEAKER LH



0920-206
FRONT DOOR SPEAKER RH



0920-207
FRONT DOOR SPEAKER LH



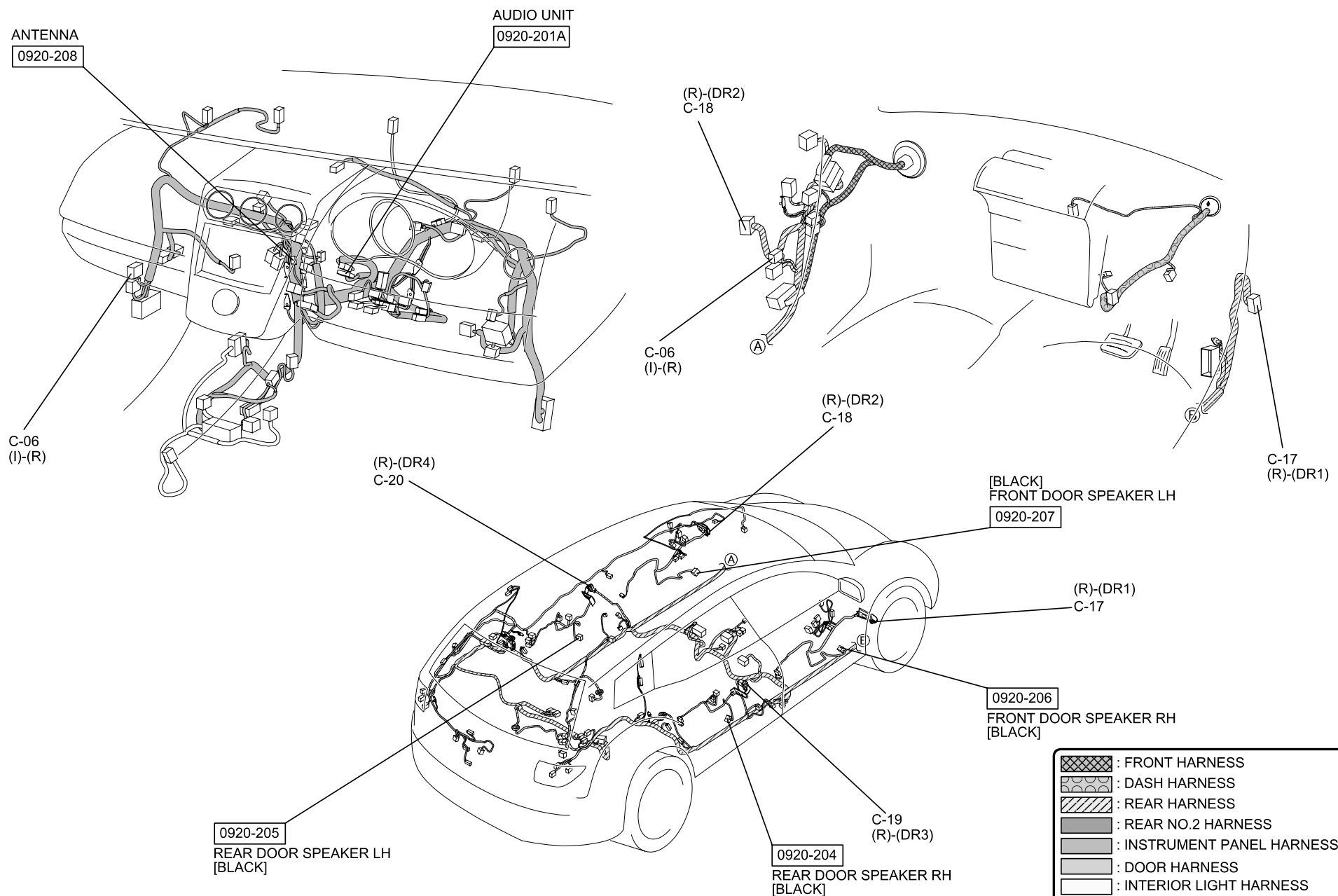
0920-208
ANTENNA

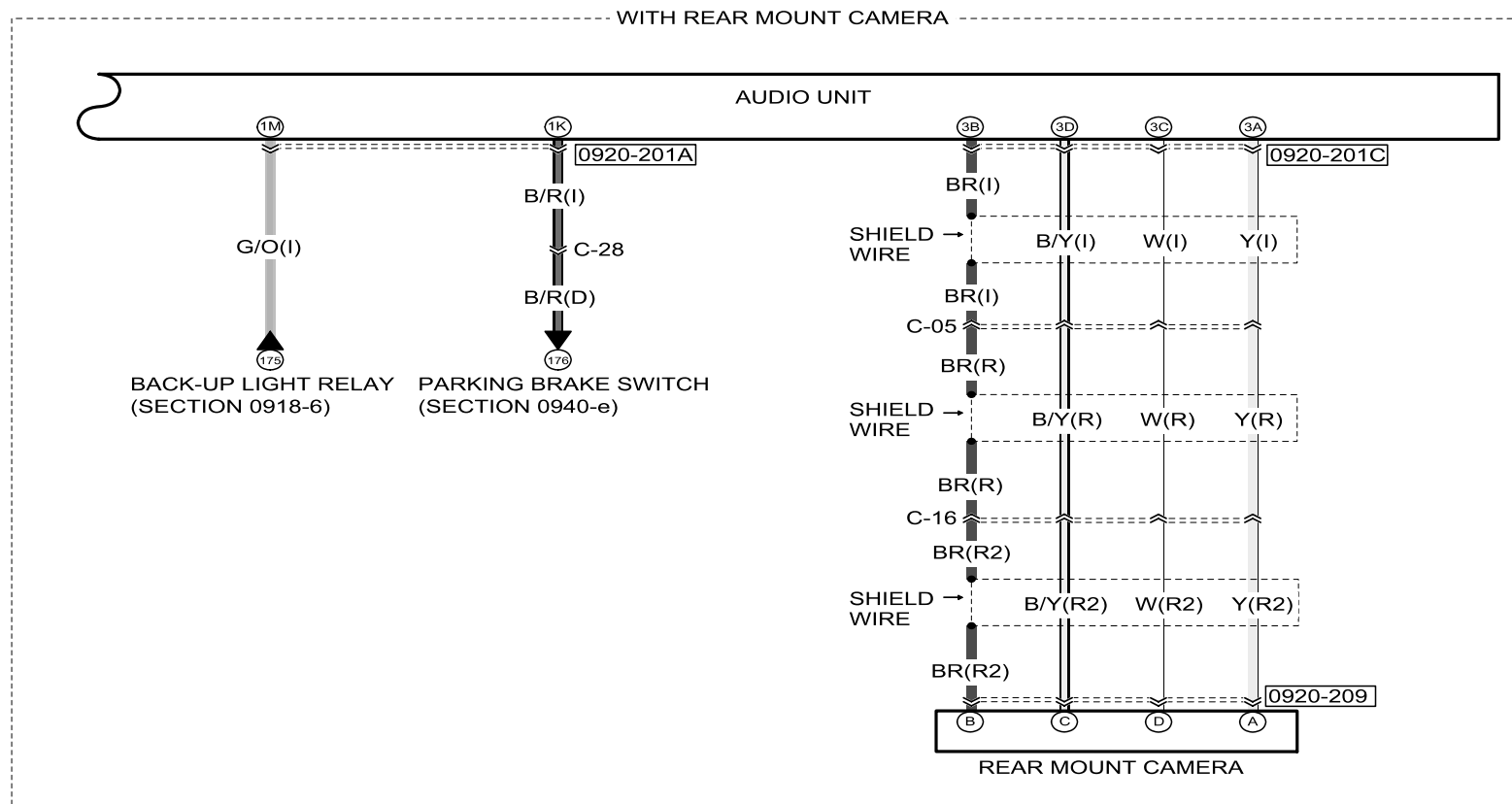


AUDIO SYSTEM (STANDARD TYPE AUDIO)

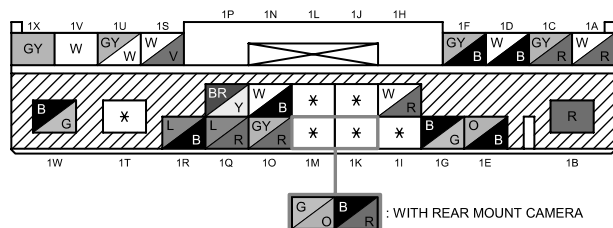
0920-2b

150-1

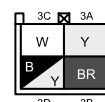




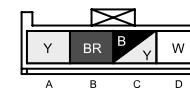
0920-201A
AUDIO UNIT



0920-201C
AUDIO UNIT

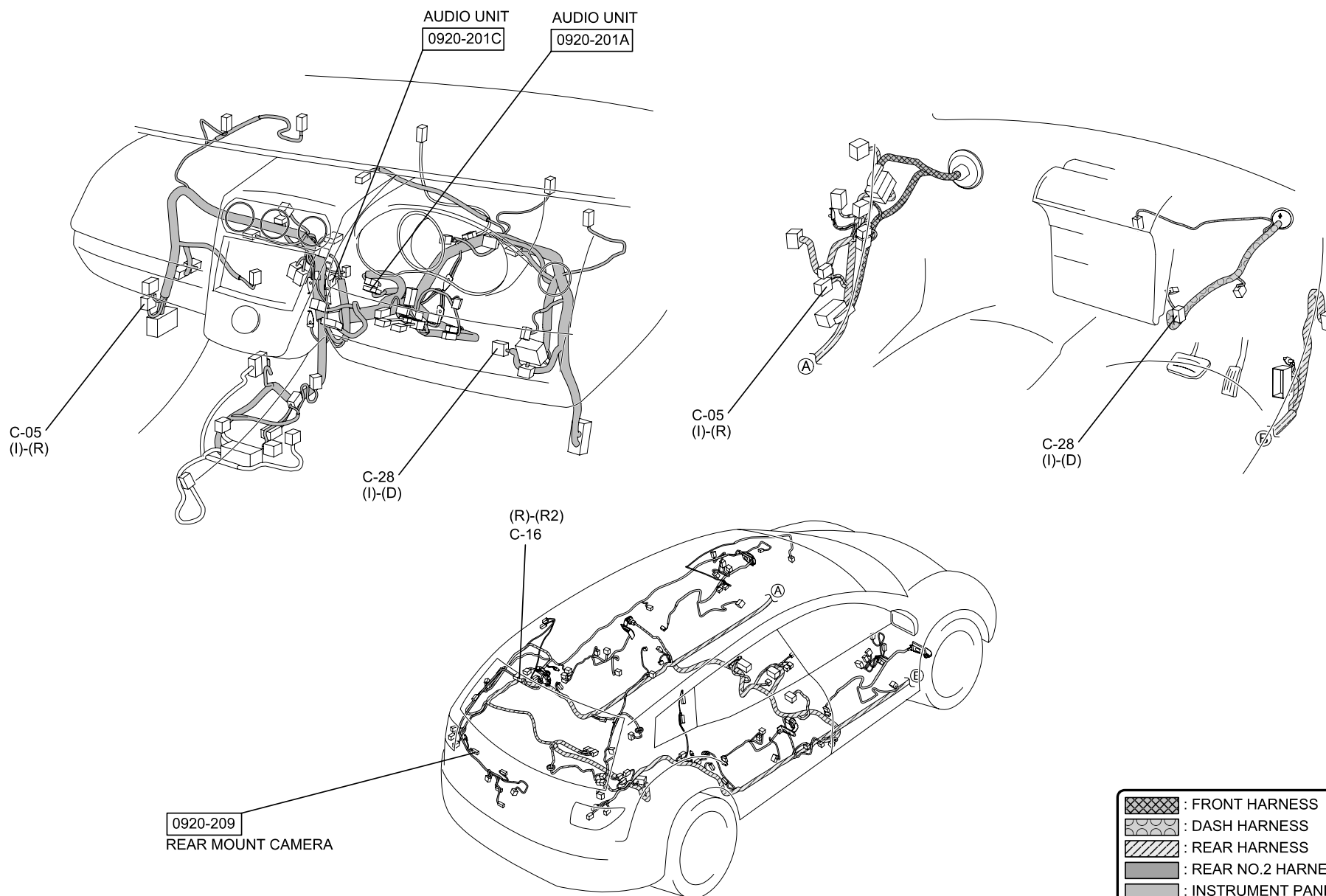


0920-209
REAR MOUNT CAMERA

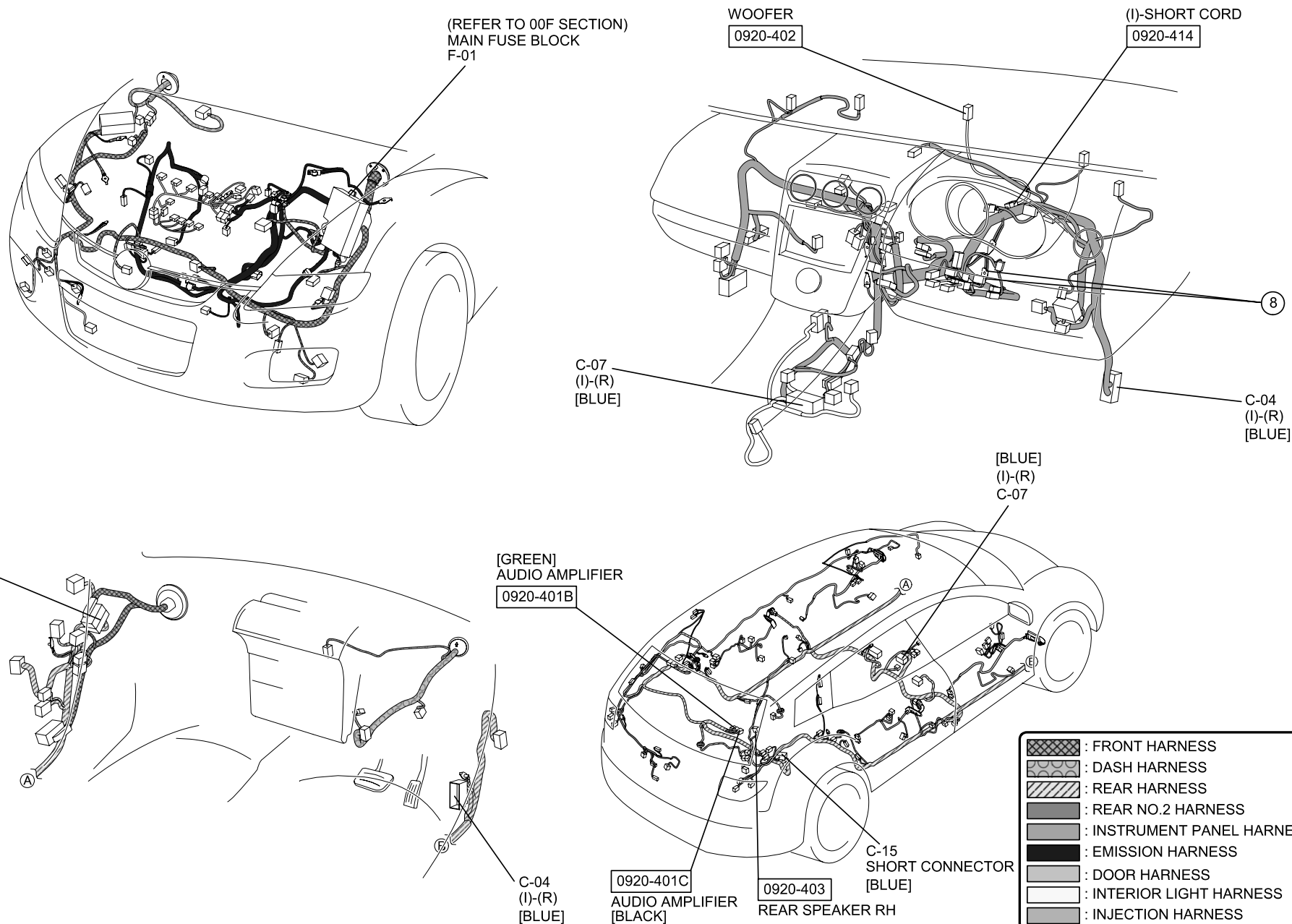


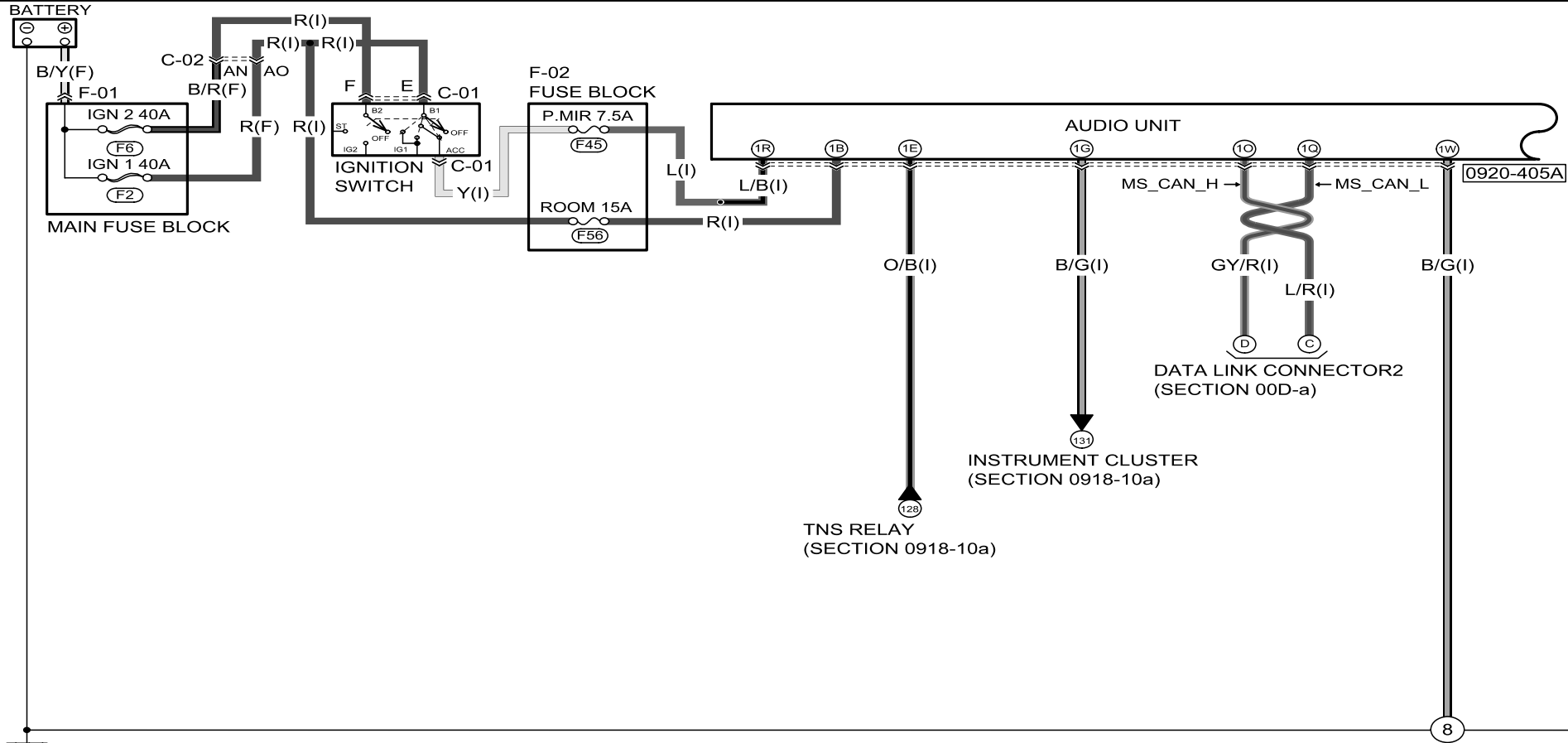
AUDIO SYSTEM (STANDARD TYPE AUDIO)

0920-2c

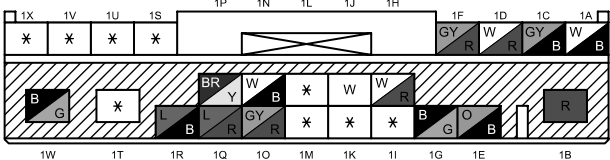


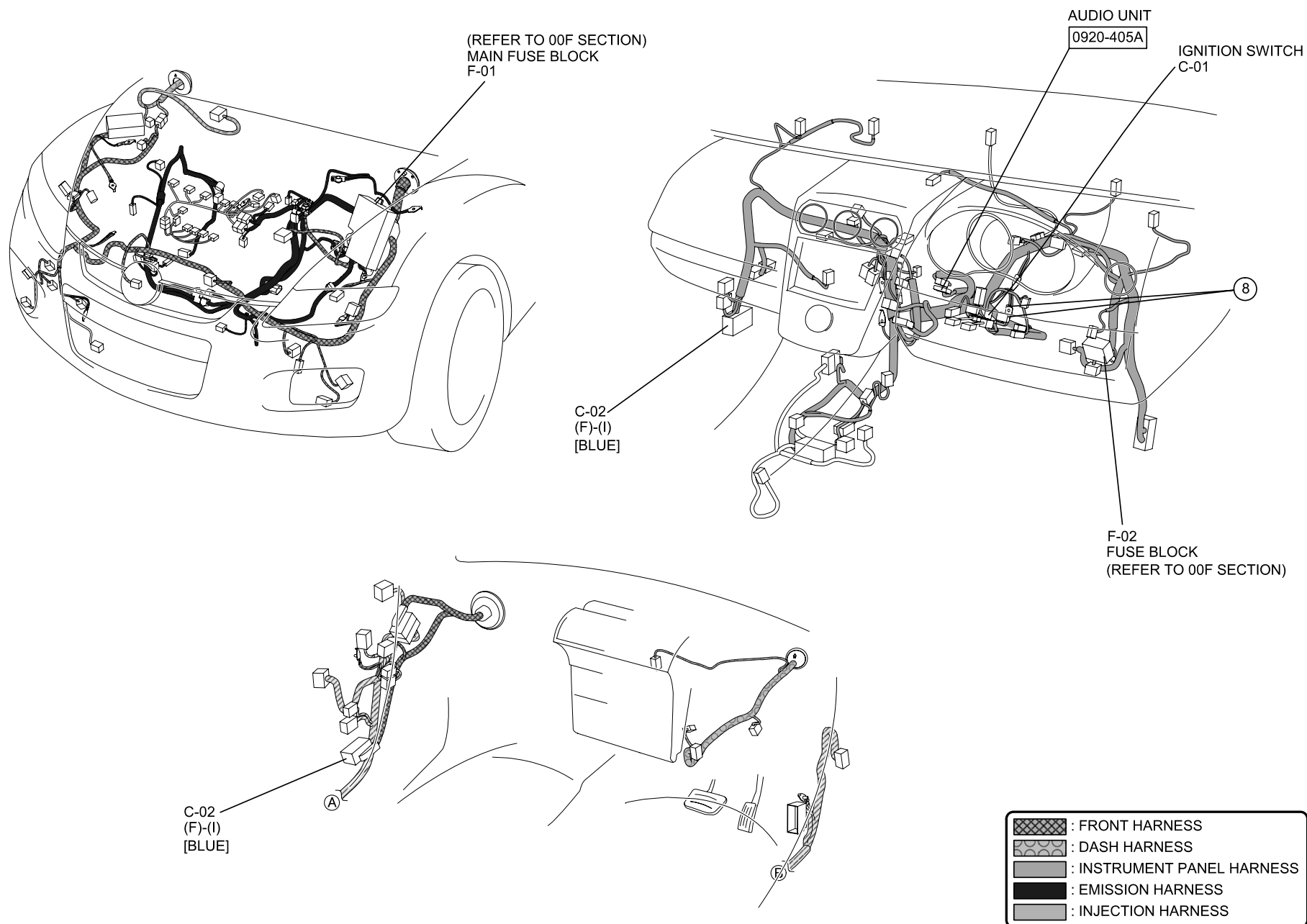
A diagram of a building with two rooms, B and A. Room B contains a white triangle labeled 'W' and a grey triangle labeled 'R'. Room A contains a grey triangle labeled 'GY' and a grey triangle labeled 'R'.

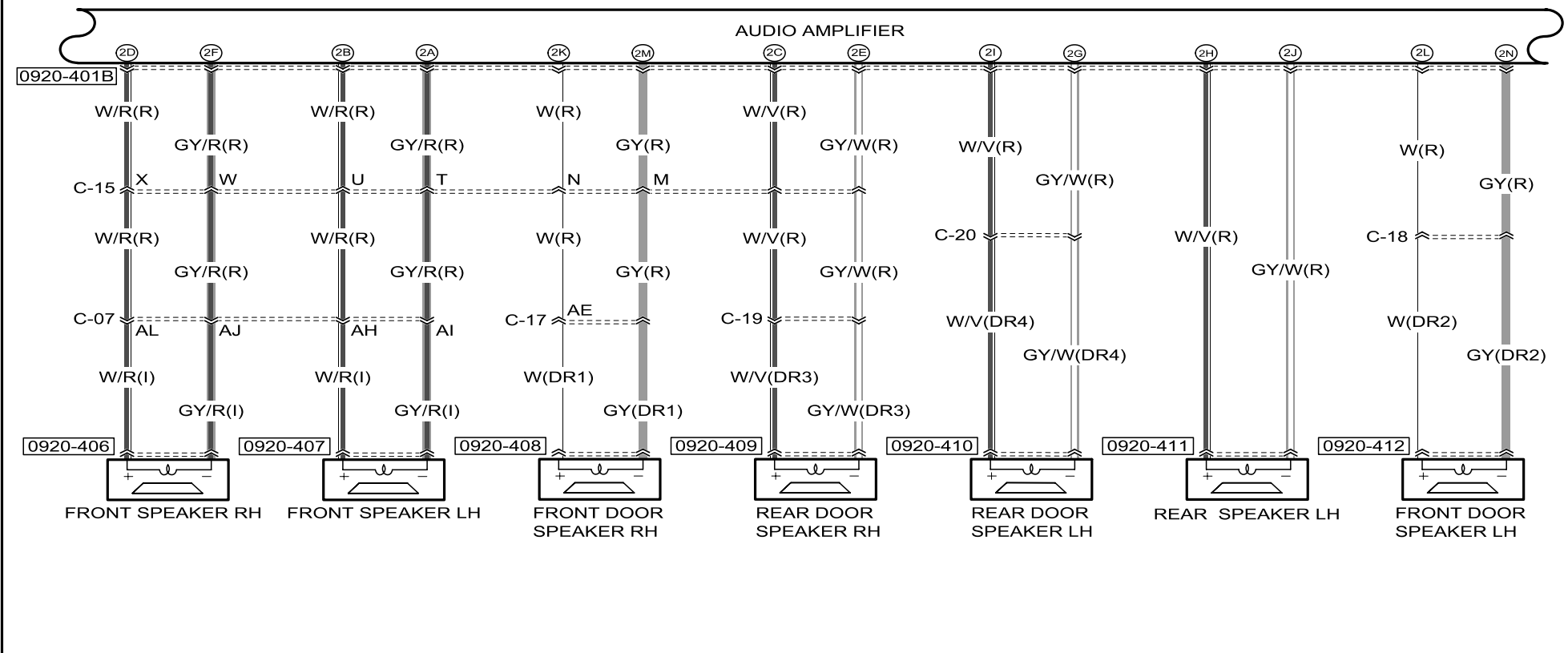




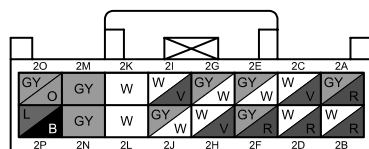
0920-405A
AUDIO UNIT



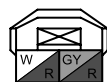




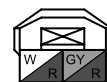
0920-401B
AUDIO AMPLIFIER



0920-406
FRONT SPEAKER RH



0920-407
FRONT SPEAKER LH



0920-408
FRONT DOOR SPEAKER RH



0920-409
REAR DOOR SPEAKER RH



0920-410
REAR DOOR SPEAKER LH



0920-411
REAR SPEAKER LH



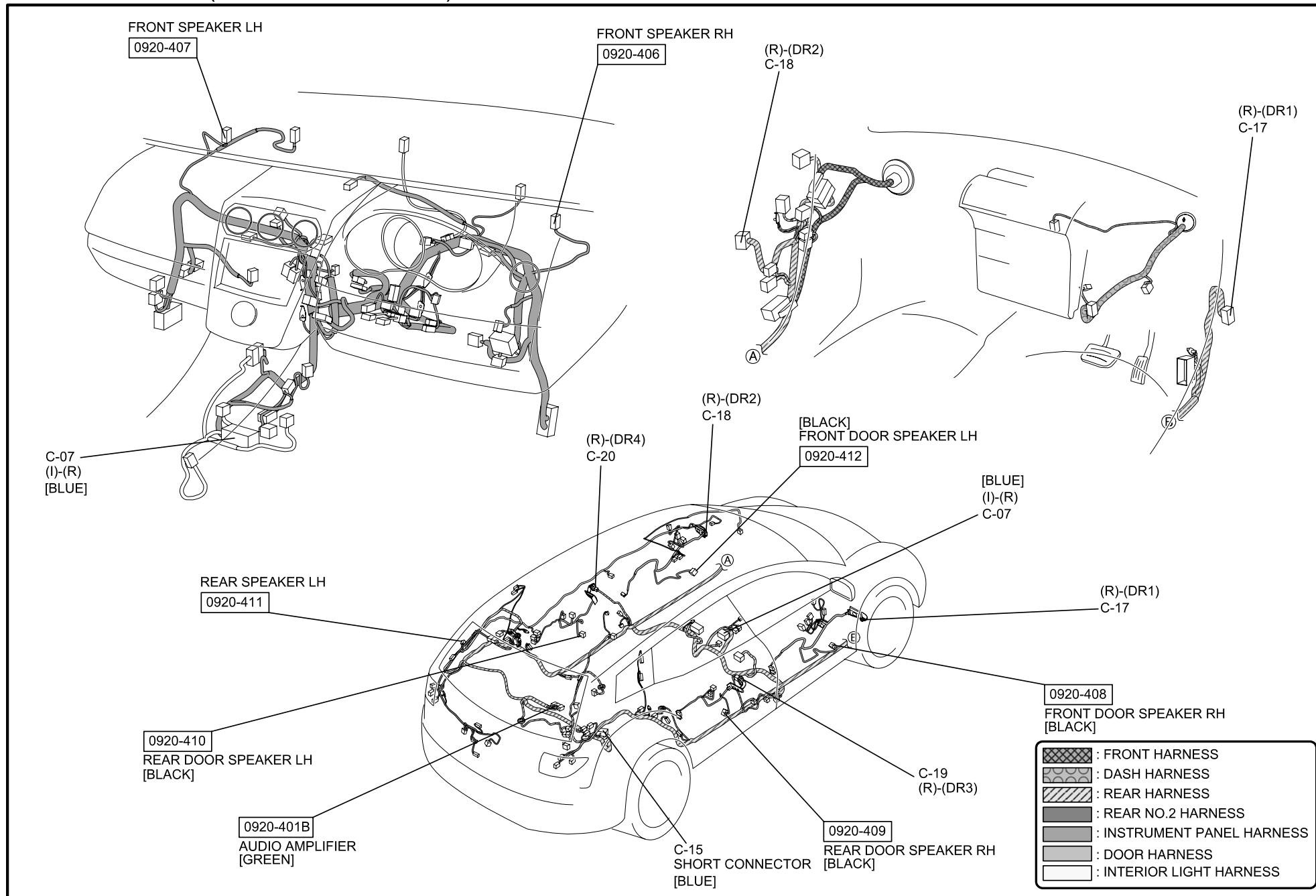
0920-412
FRONT DOOR SPEAKER LH

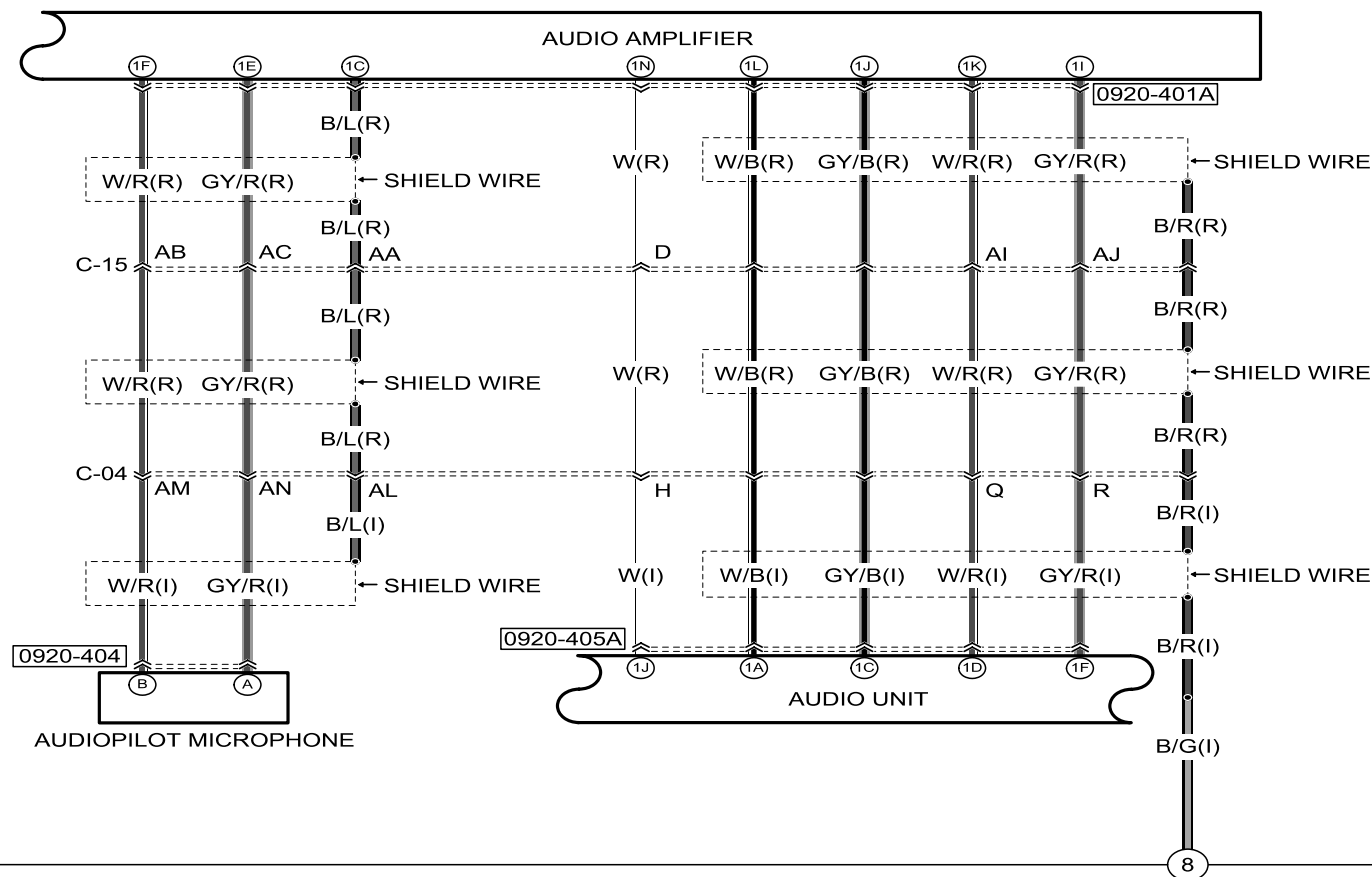


AUDIO SYSTEM (Bose® TYPE AUDIO)

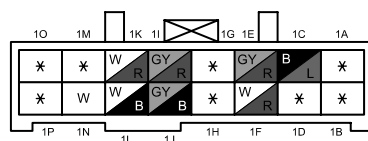
0920-4c

157

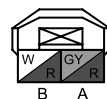




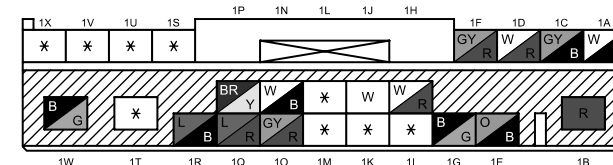
0920-401A
AUDIO AMPLIFIER

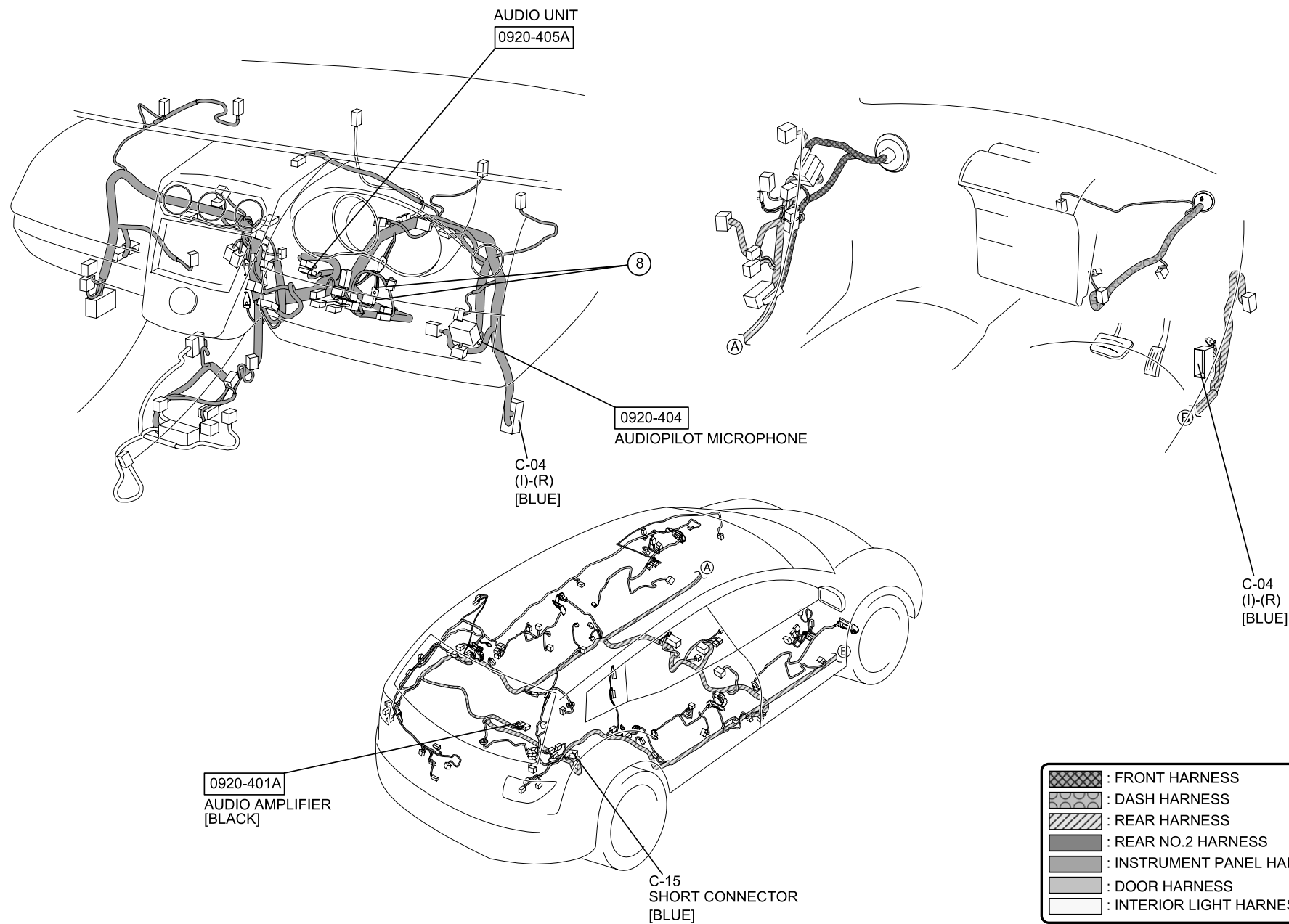


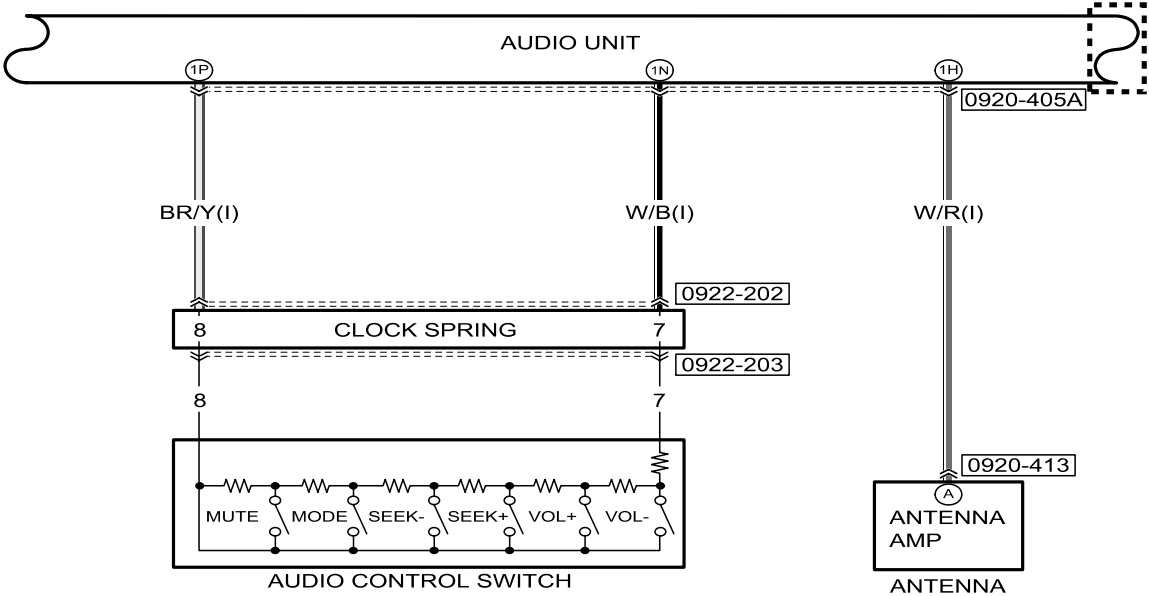
0920-404
AUDIOPILOT MICROPHONE



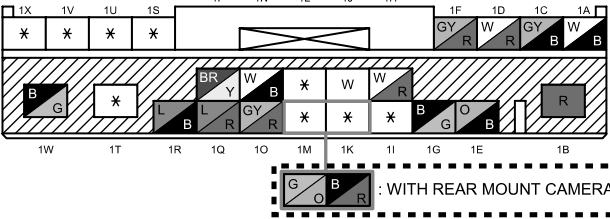
0920-405A
AUDIO UNIT







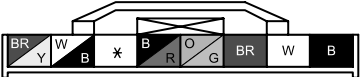
0920-405A
AUDIO UNIT



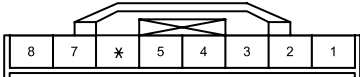
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ANTENNA



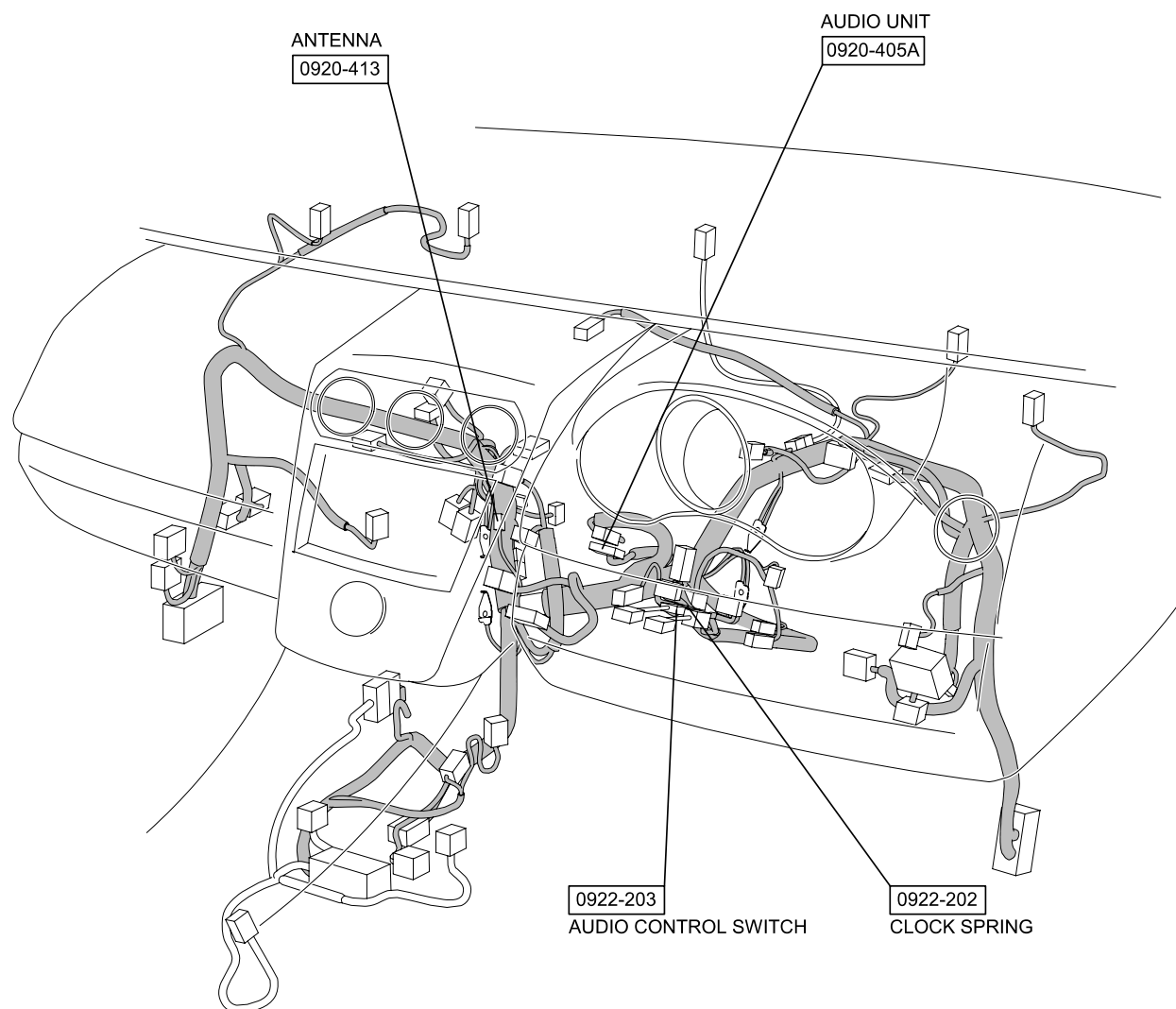
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CLOCK SPRING



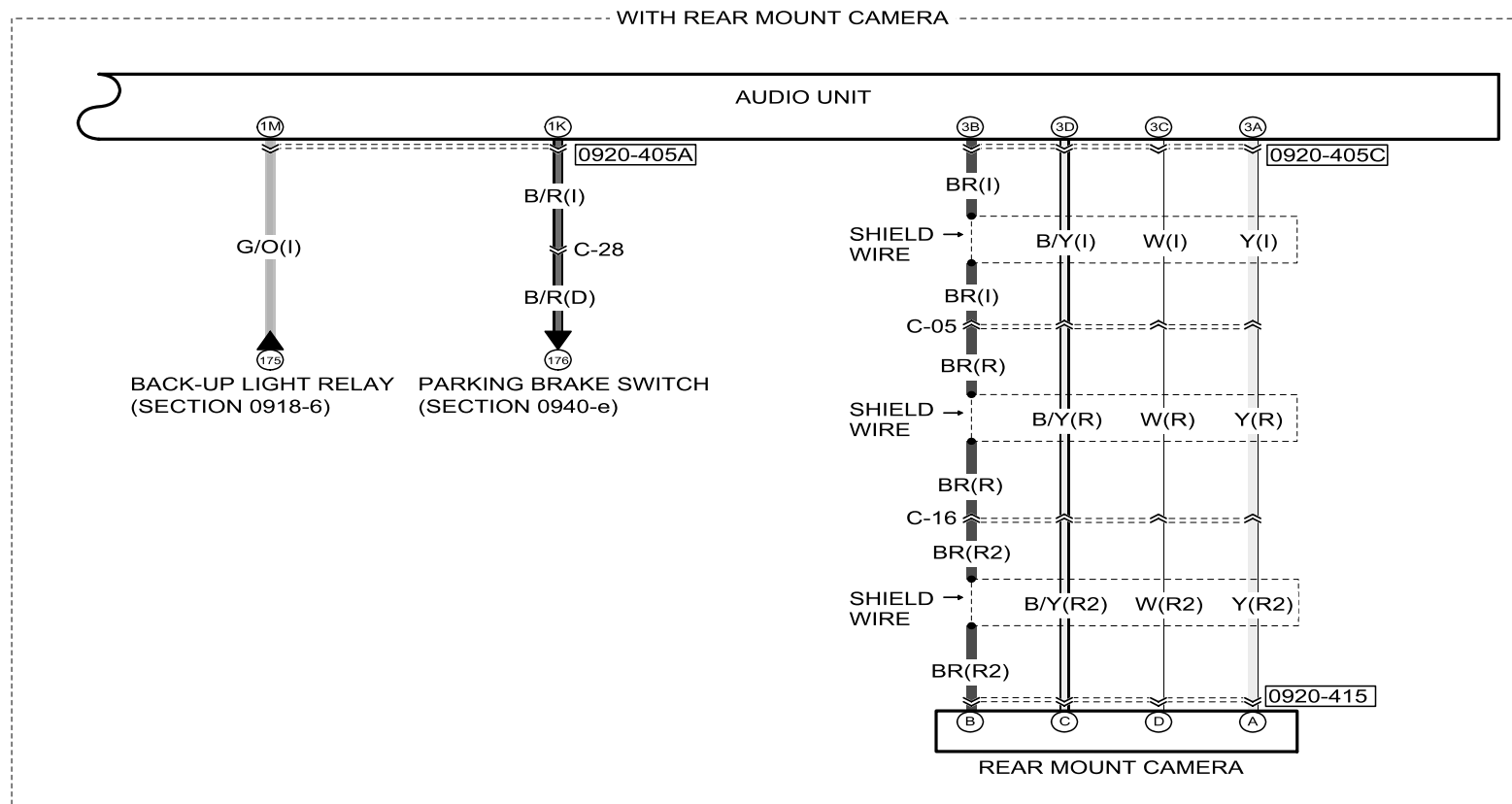
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AUDIO CONTROL SWITCH



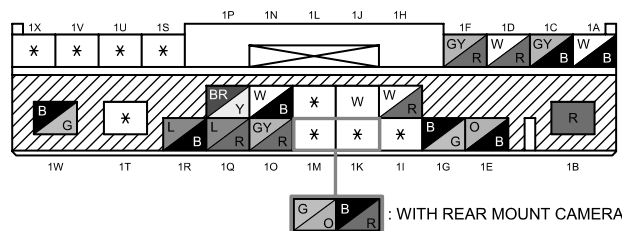
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.



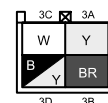
 : INSTRUMENT PANEL HARNESS



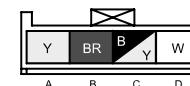
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AUDIO UNIT

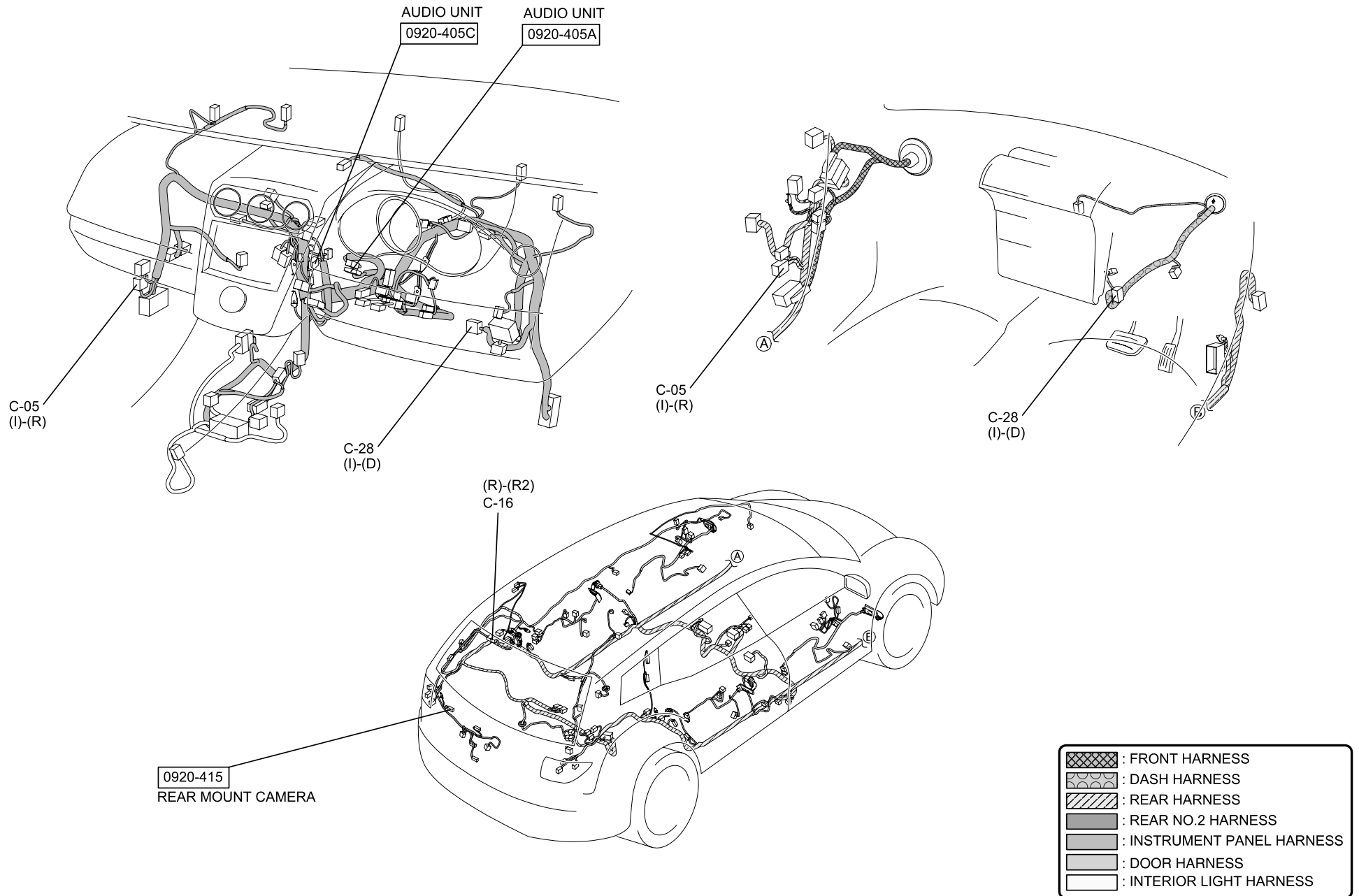


0920-405C
AUDIO UNIT



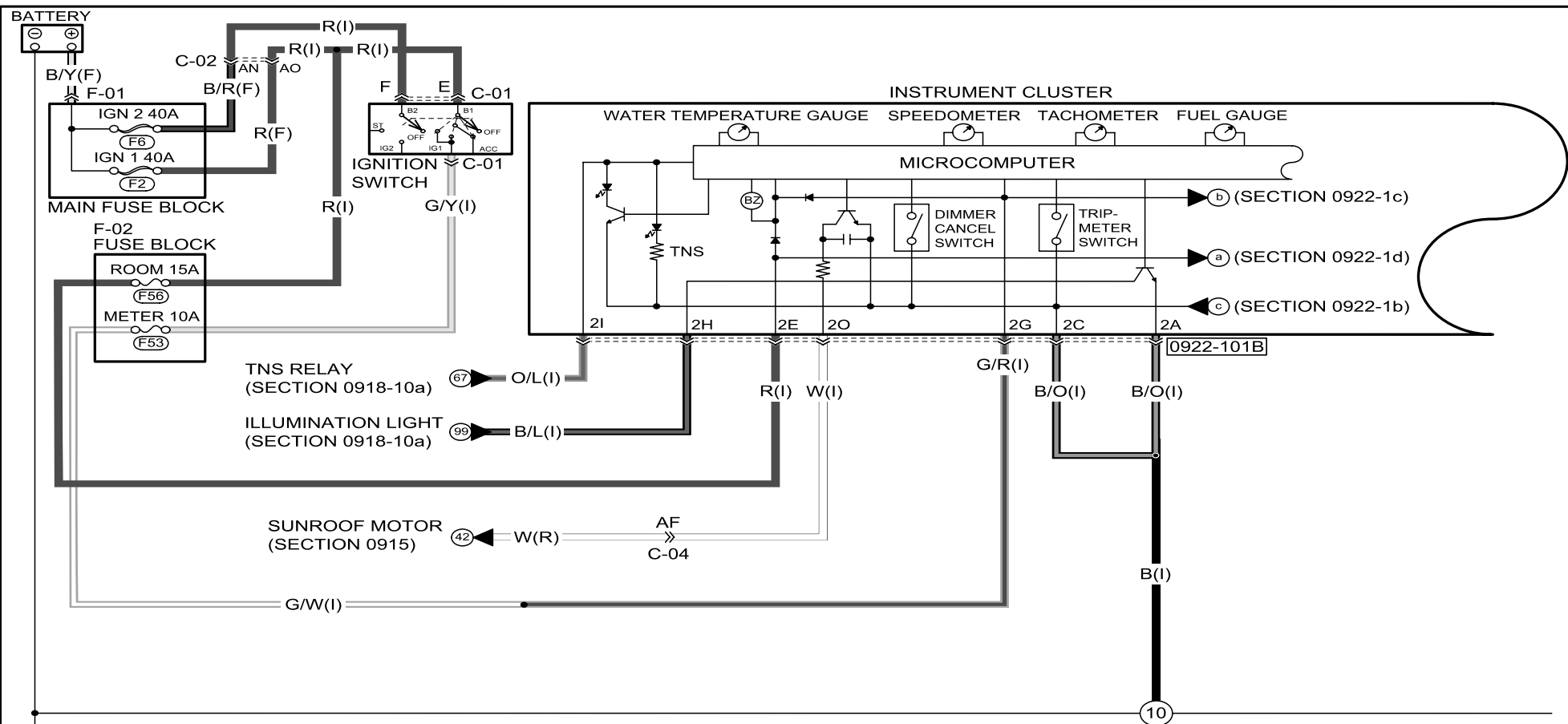
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REAR MOUNT CAMERA





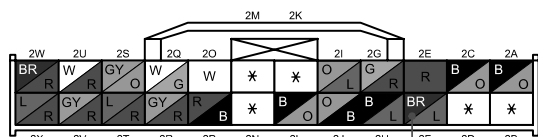
INSTRUMENT CLUSTER

0922-1a

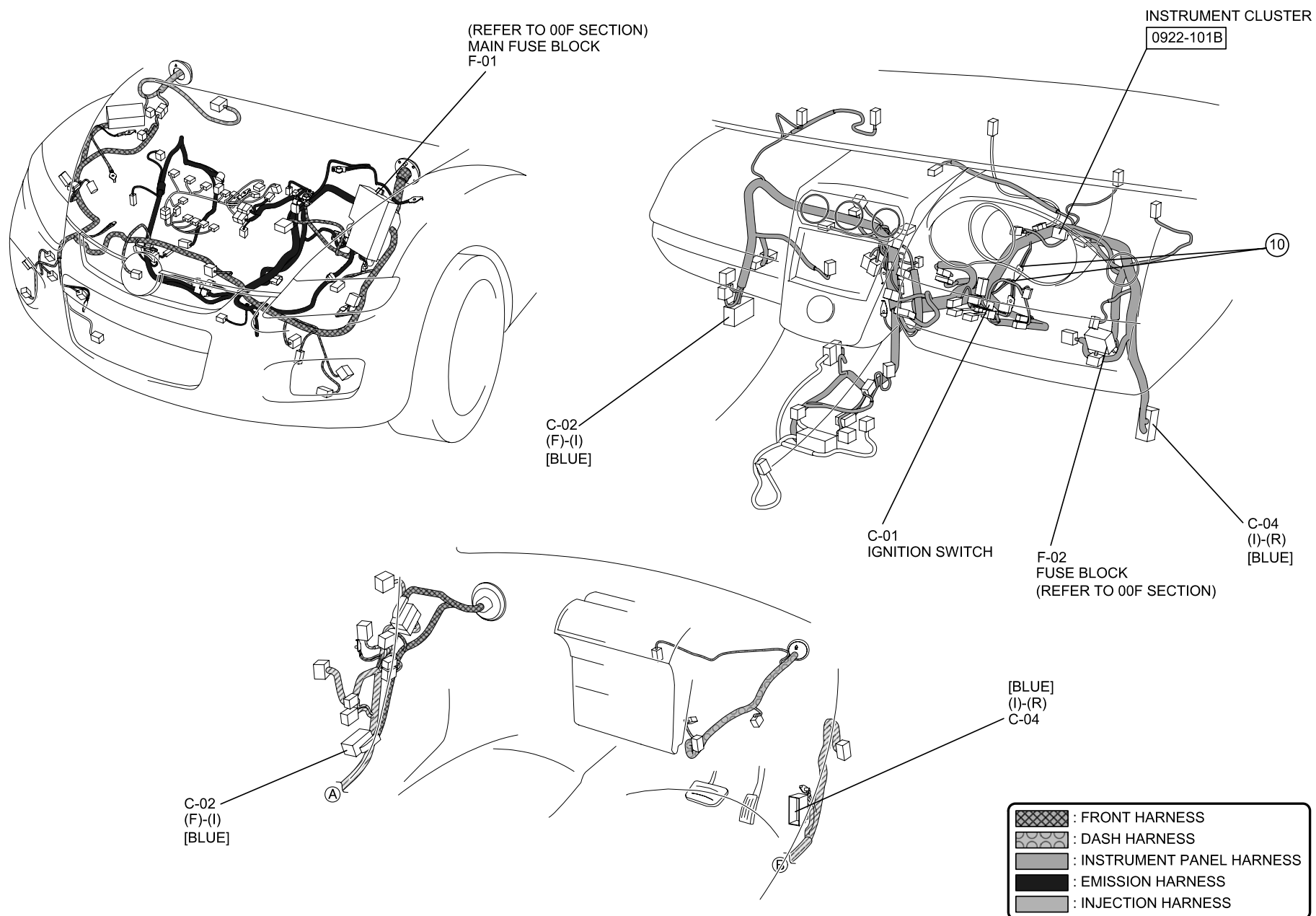


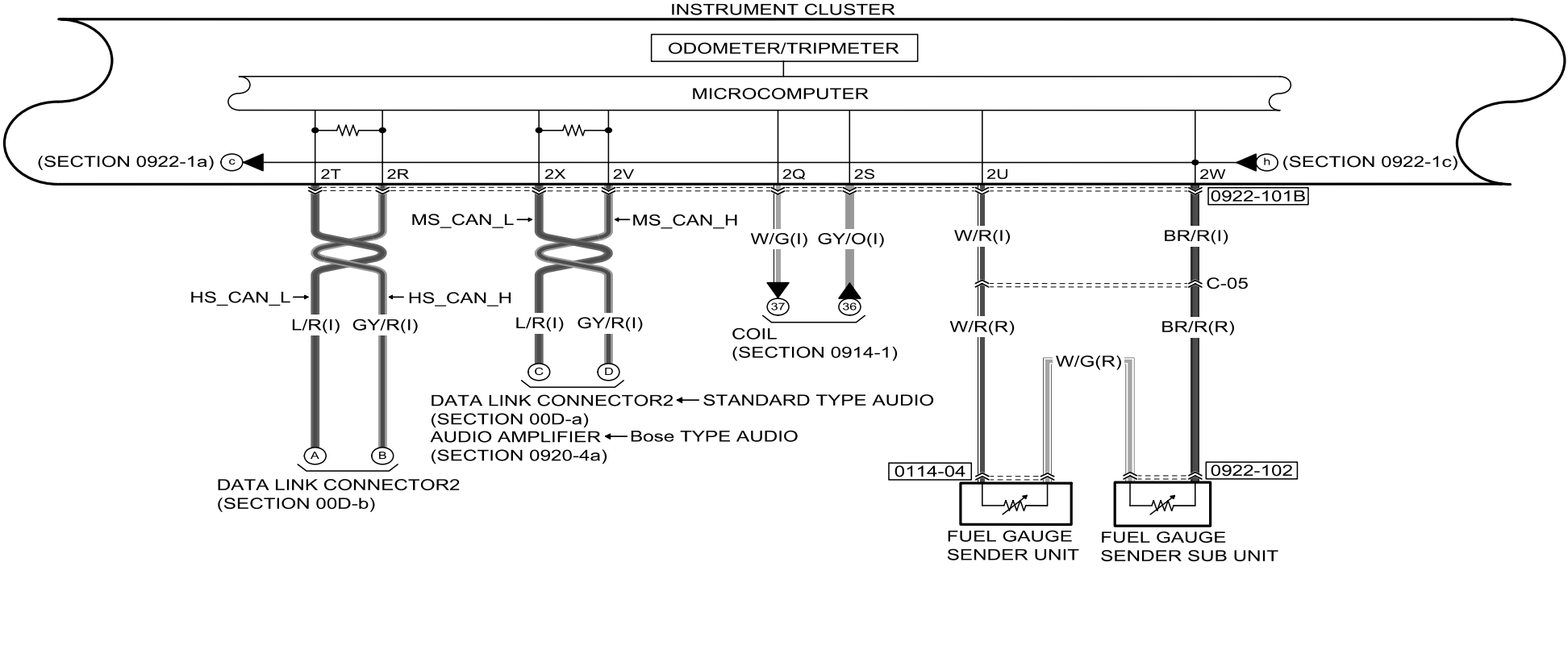
162

0922-101B
INSTRUMENT CLUSTER

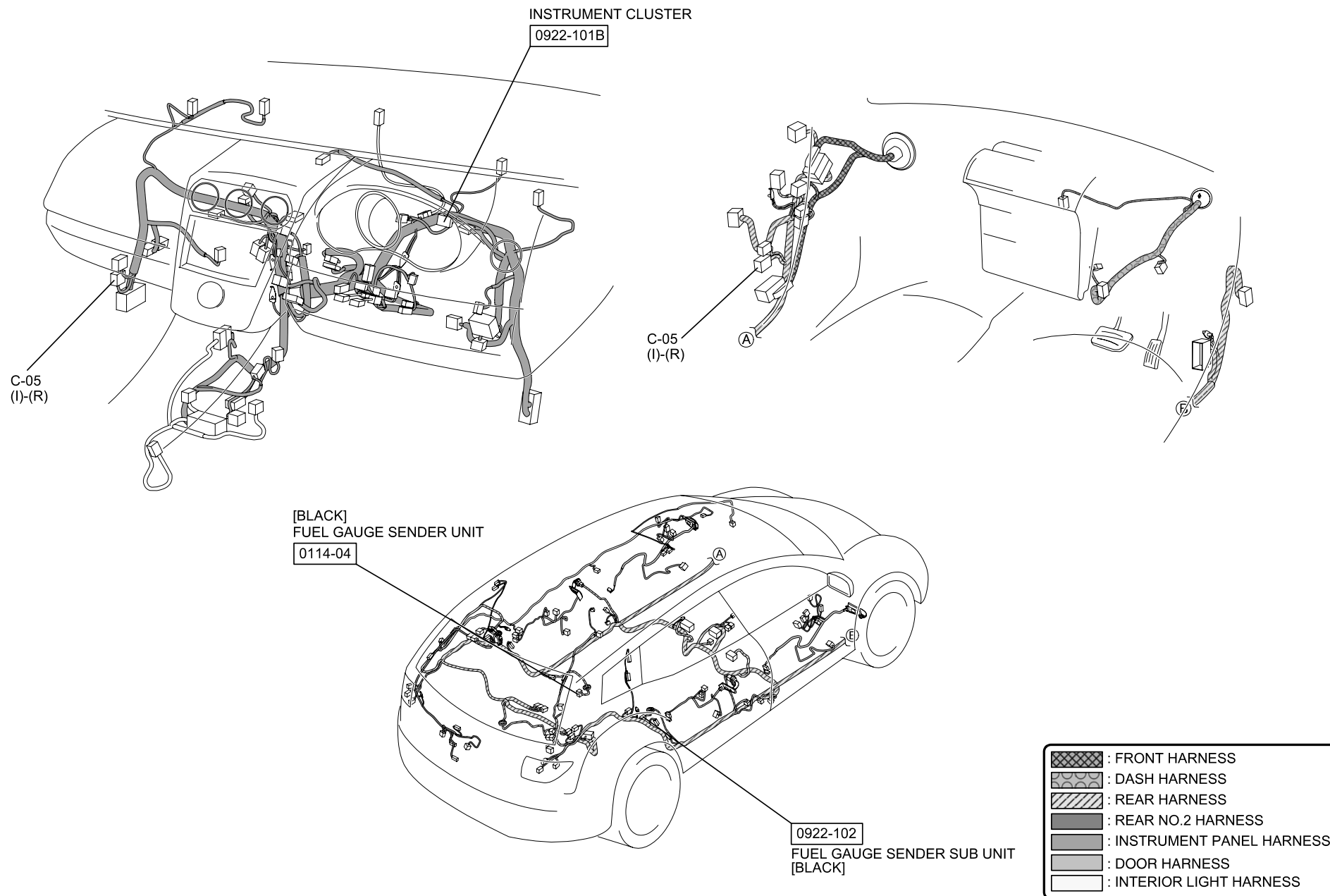


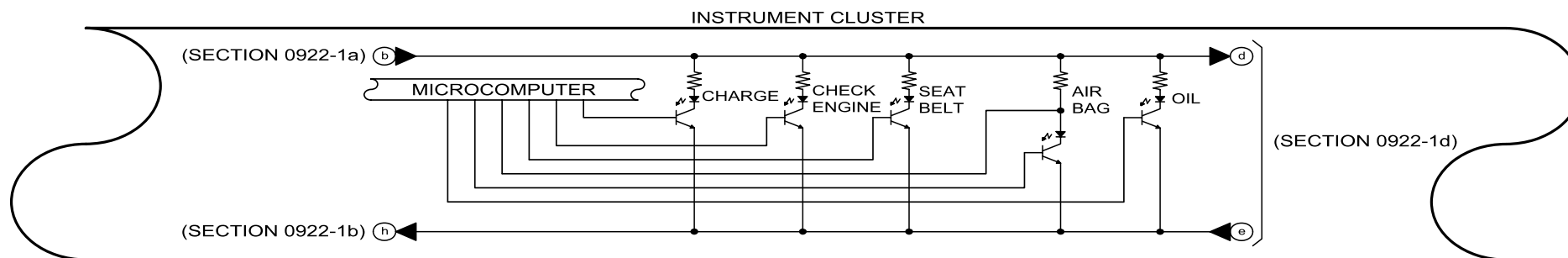
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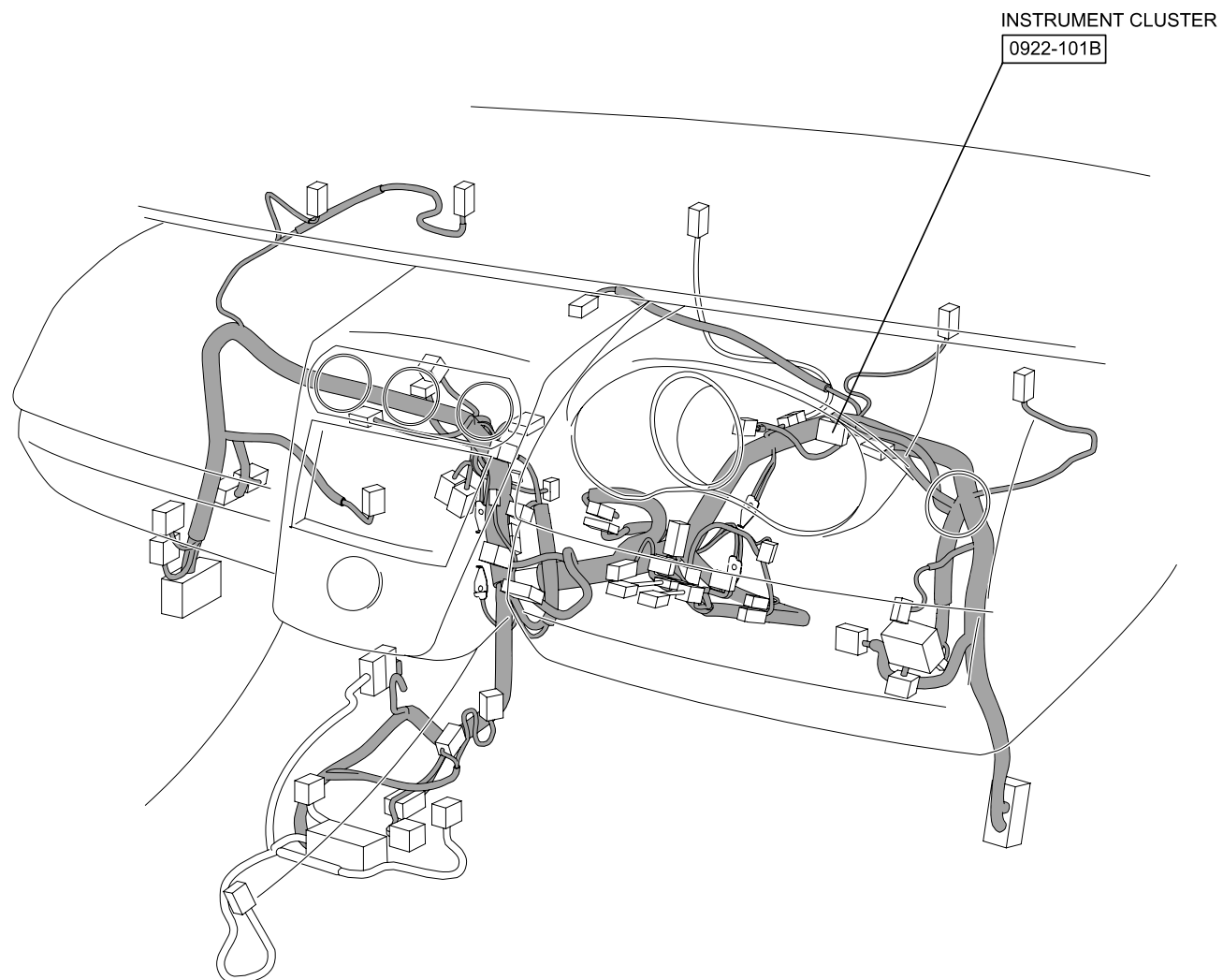


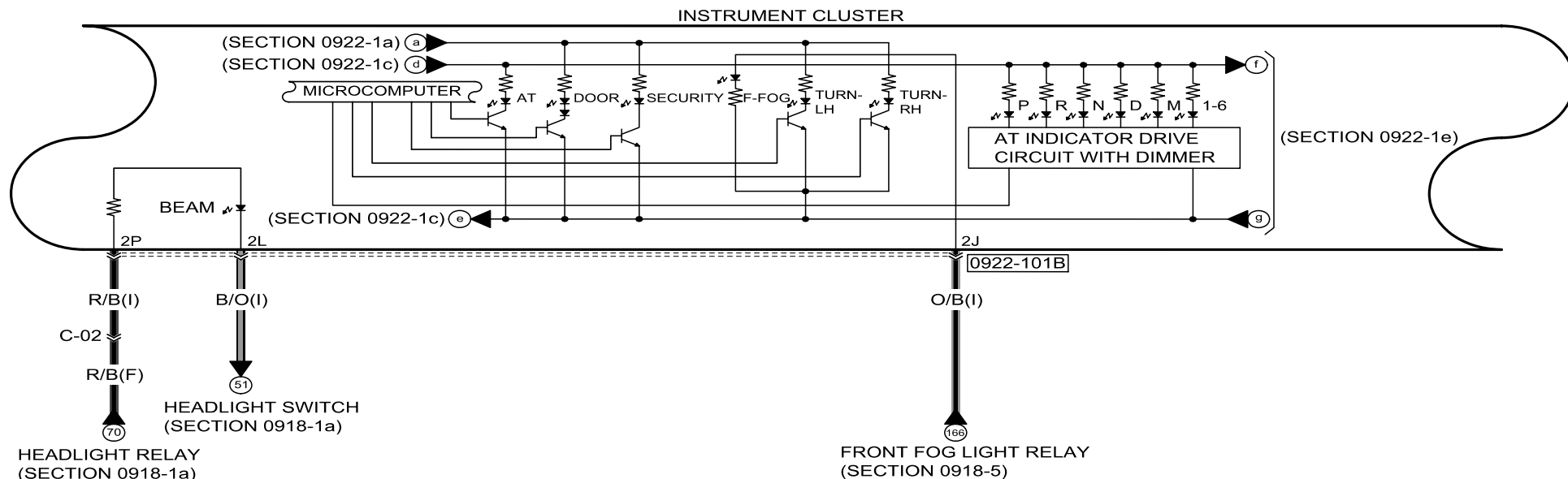


<p>0922-101B INSTRUMENT CLUSTER</p> <p>: NOT USED</p>	<p>0922-102 FUEL GAUGE SENDER SUB UNIT</p>	<p>0114-04 FUEL GAUGE SENDER UNIT</p>	

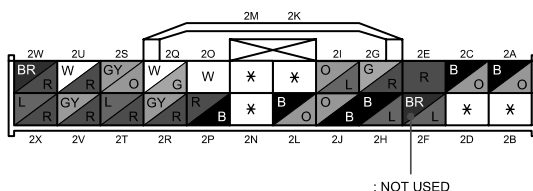


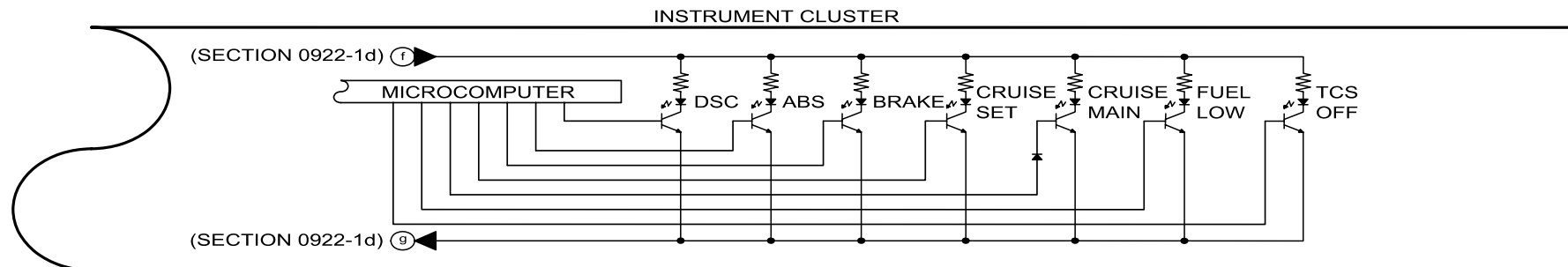


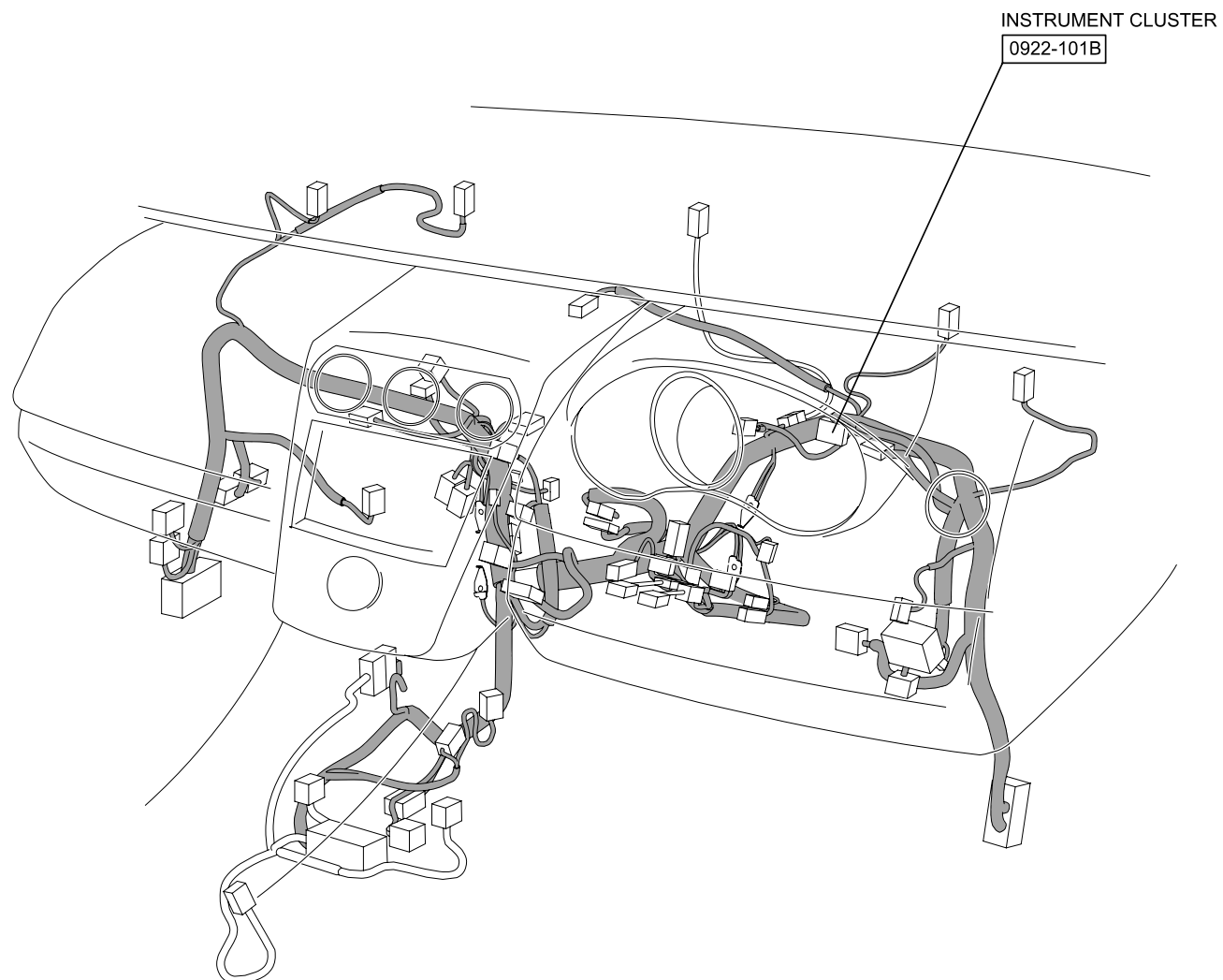




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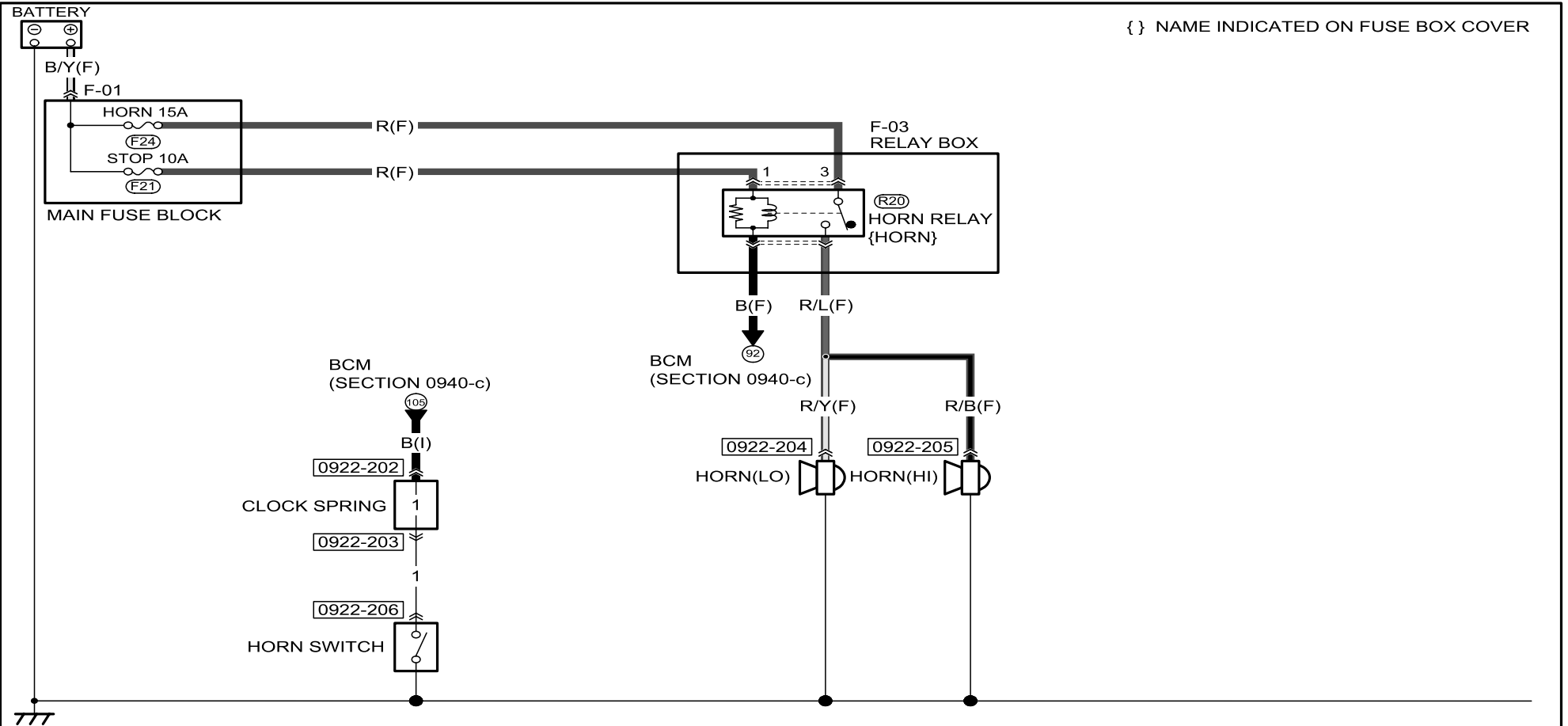




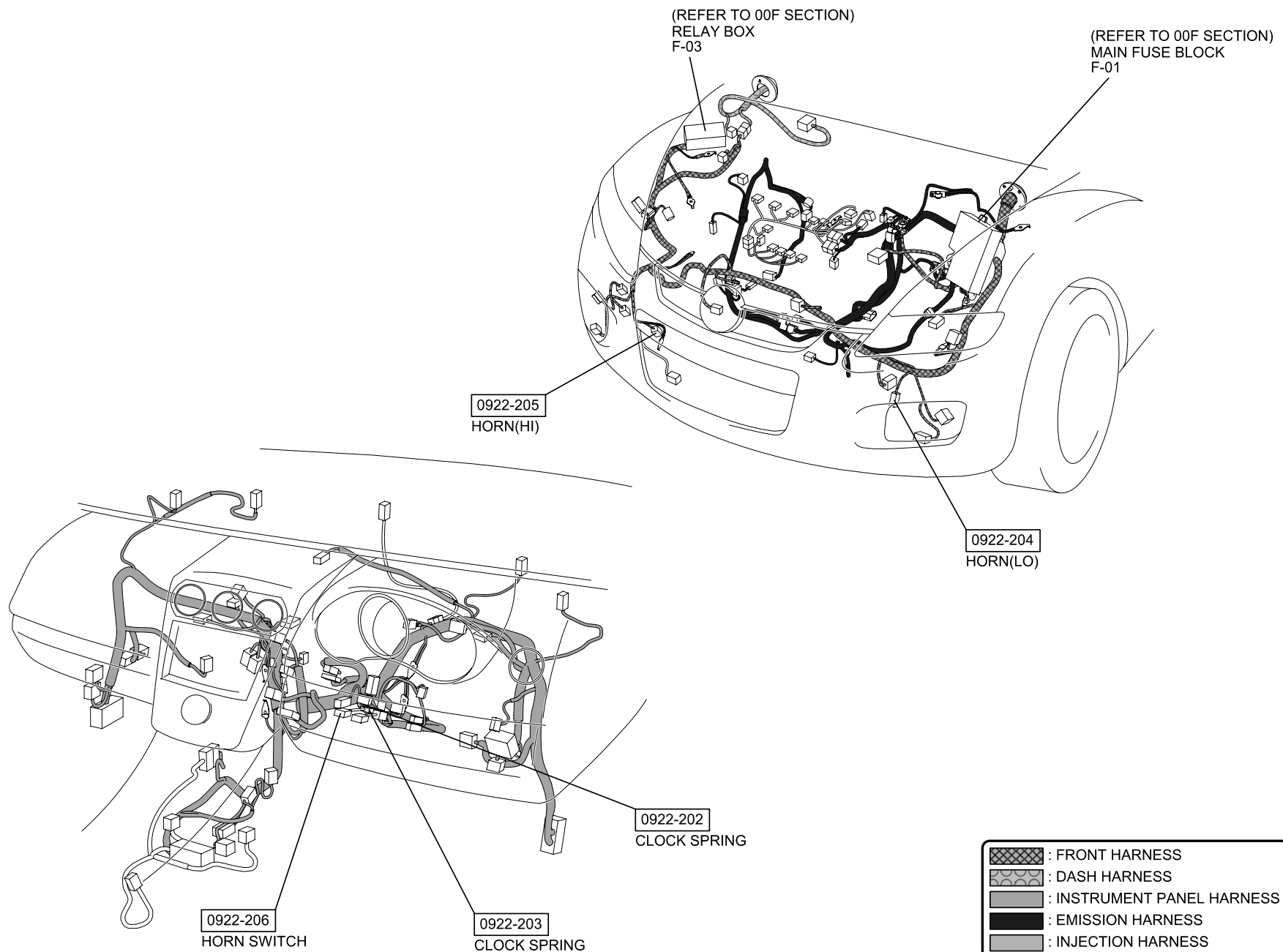
INSTRUMENT PANEL HARNESS

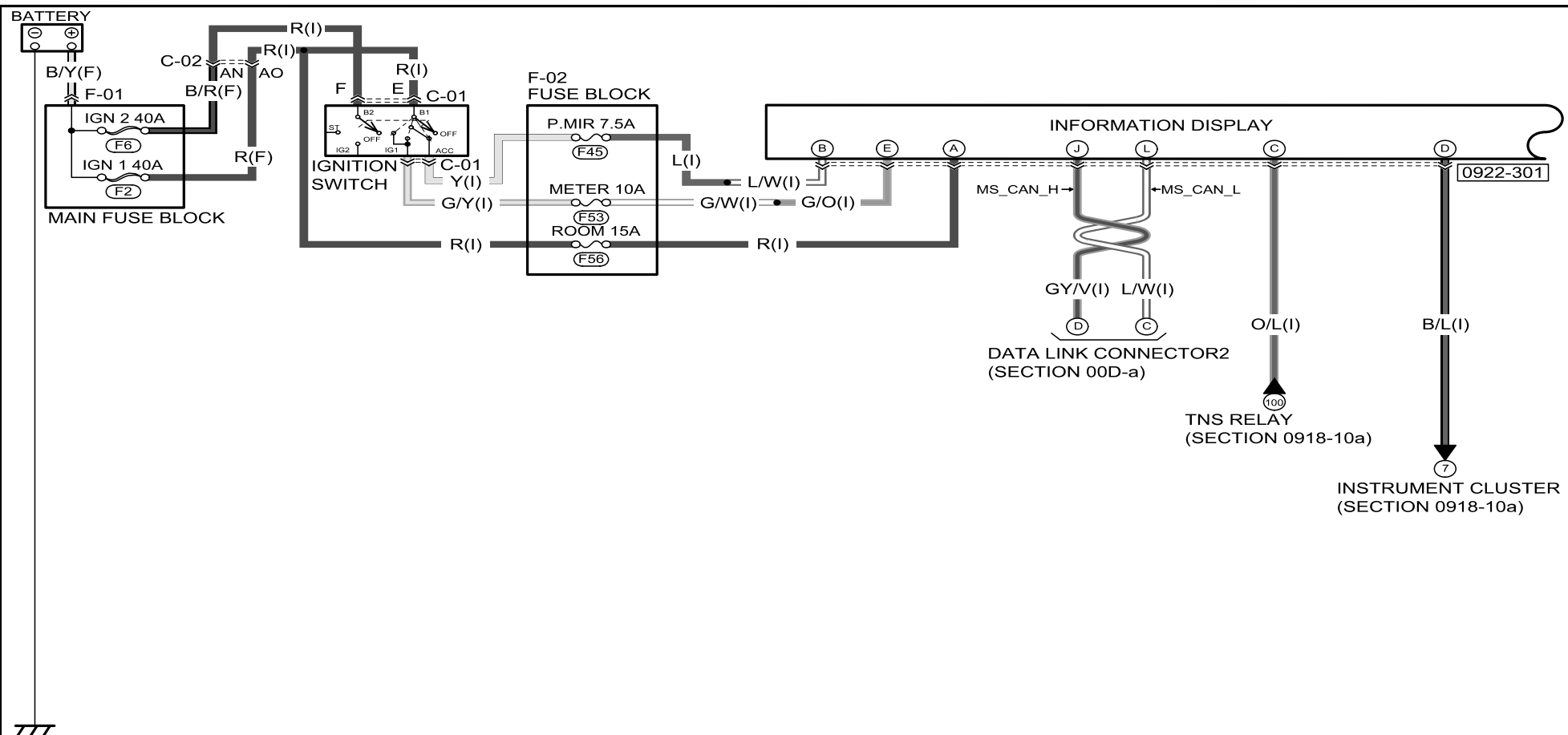
HORN

0922-2



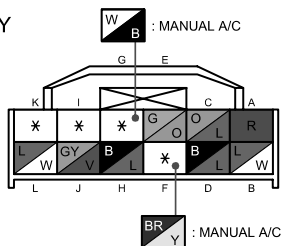
<p>0922-202 CLOCK SPRING</p>	<p>0922-203 CLOCK SPRING</p> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>	<p>0922-204 HORN(LO)</p>	<p>0922-206 HORN SWITCH</p> <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>
		<p>0922-205 HORN(HI)</p>	

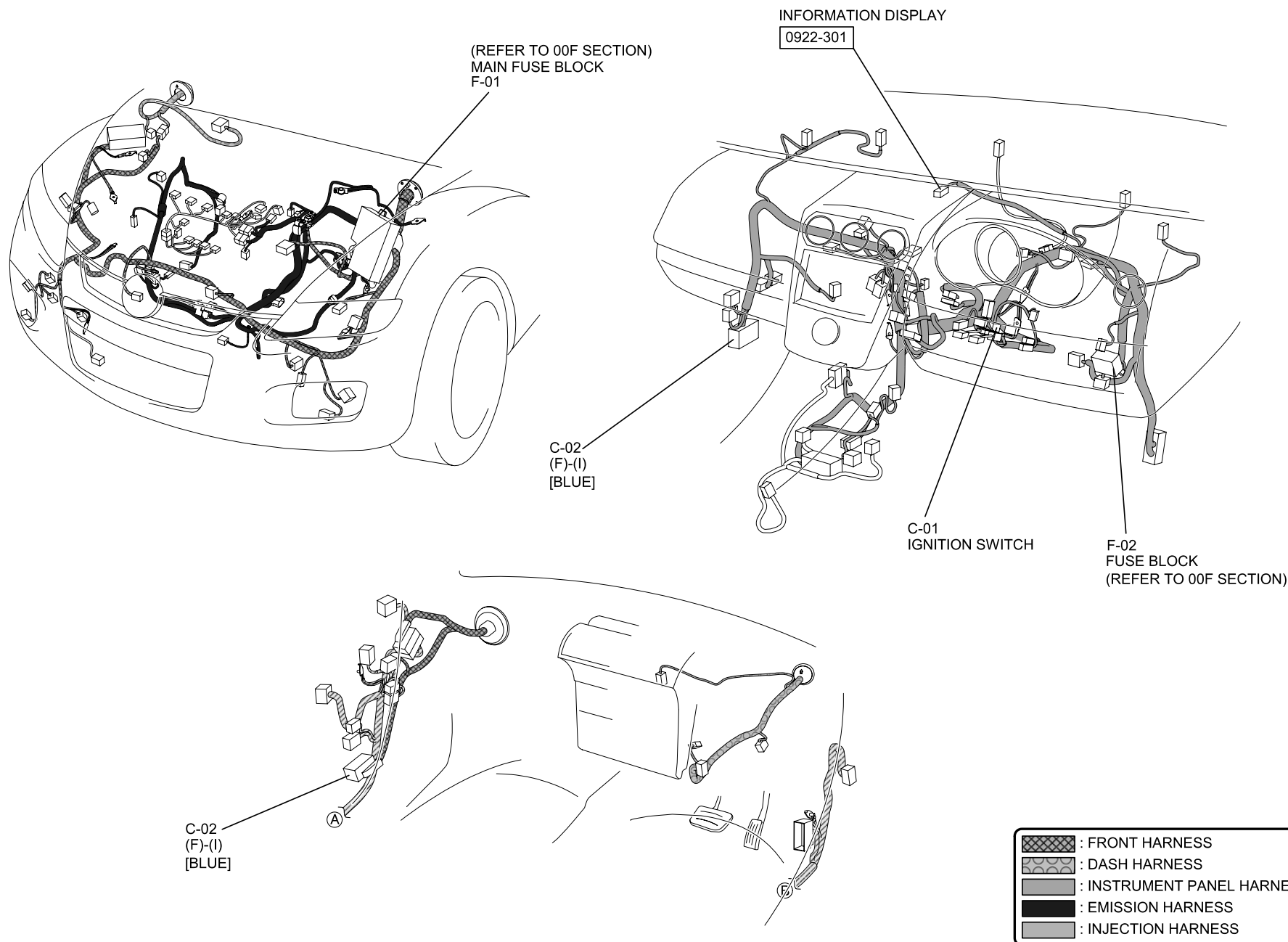


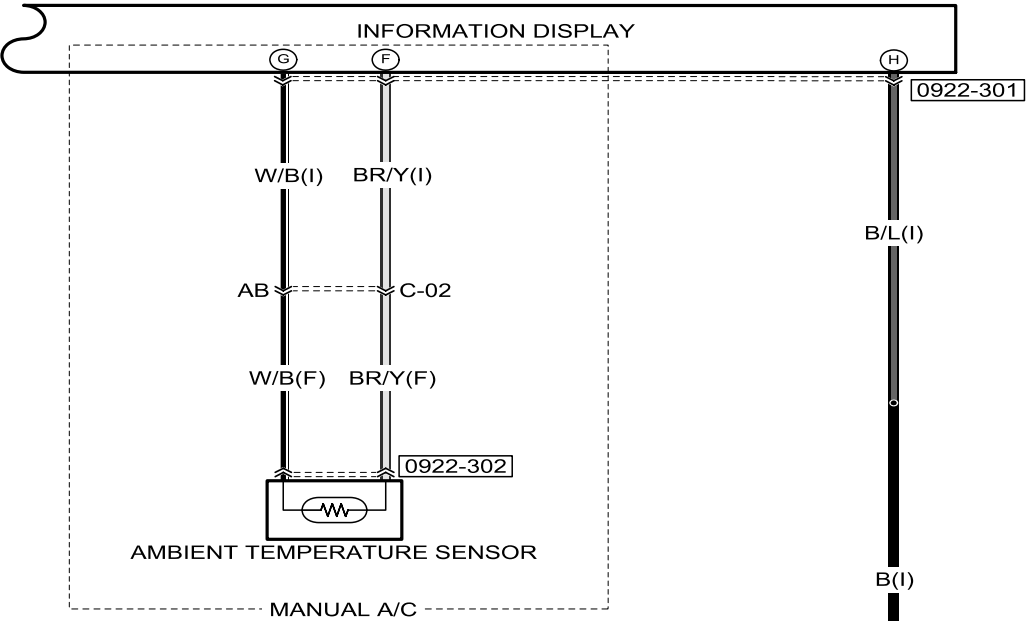


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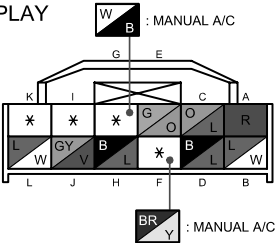
INFORMATION DISPLAY



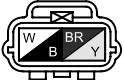




0922-301
INFORMATION DISPLAY



0922-302
AMBIENT TEMPERATURE
SENSOR



INFORMATION DISPLAY

0922-301






10

C-02
(F)-(I)
[BLUE]

0922-302

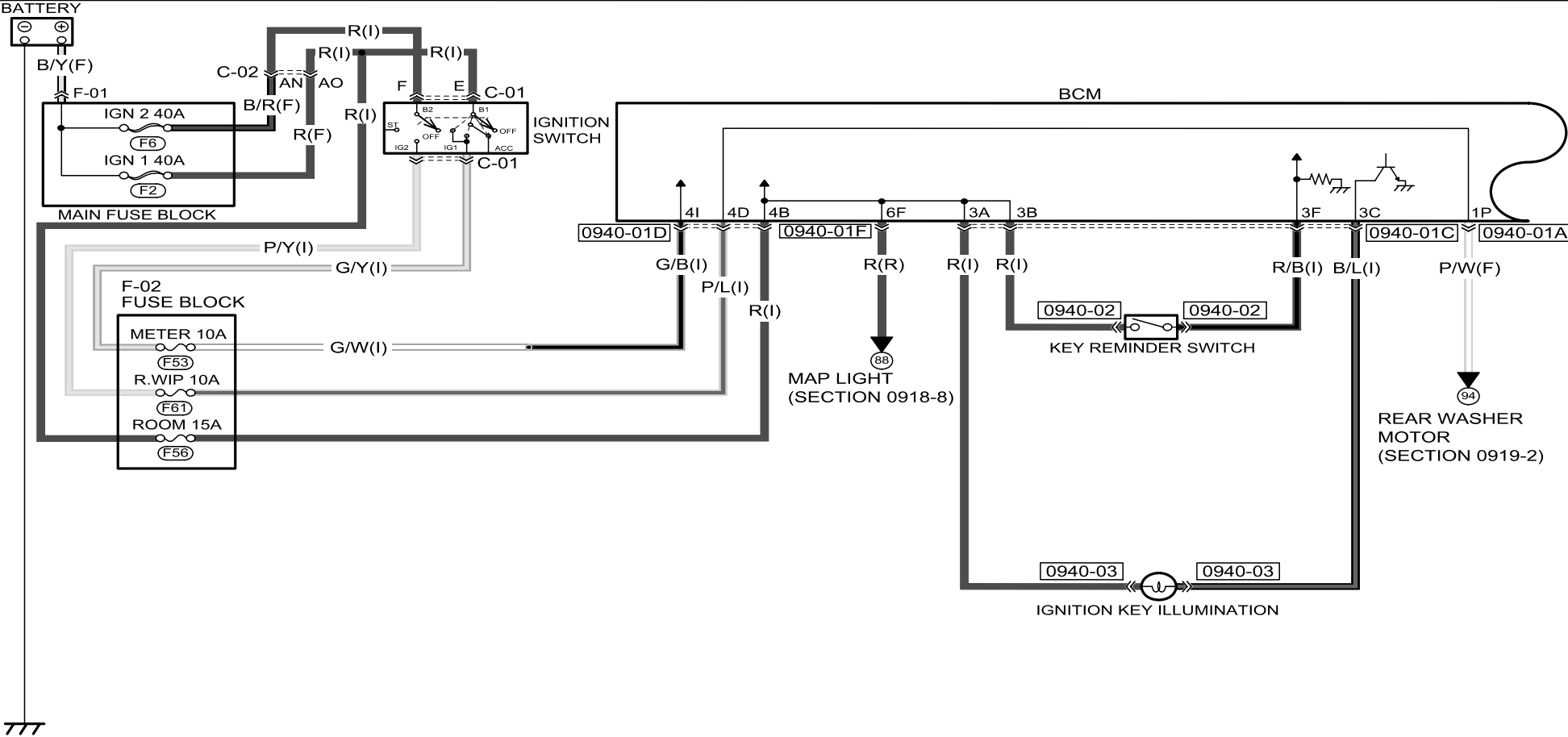
AMBIENT TEMPERATURE SENSOR
[GRAY]

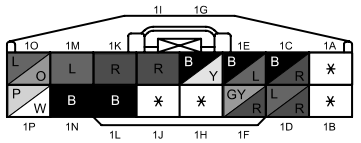
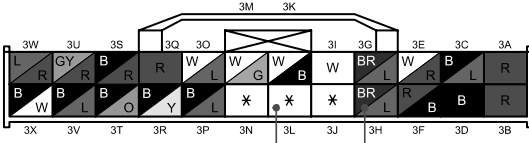

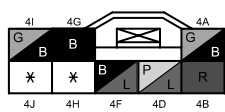
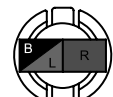
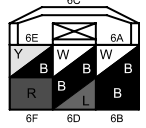
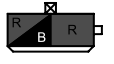
C-02
(F)-(I)
[BLUE]

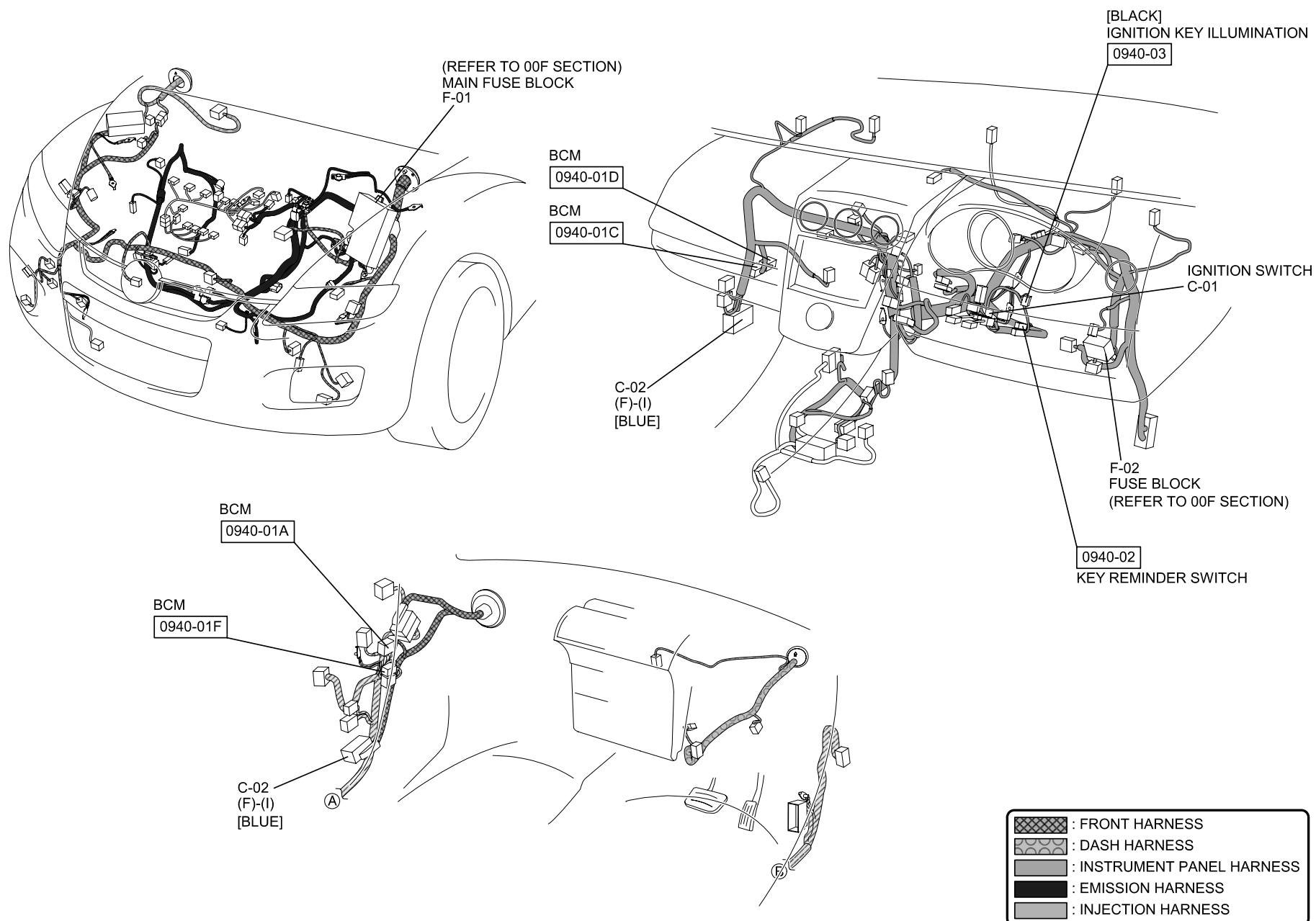
	: FRONT HARNESS
	: DASH HARNESS
	: INSTRUMENT PANEL HARNESS
	: EMISSION HARNESS
	: INJECTION HARNESS

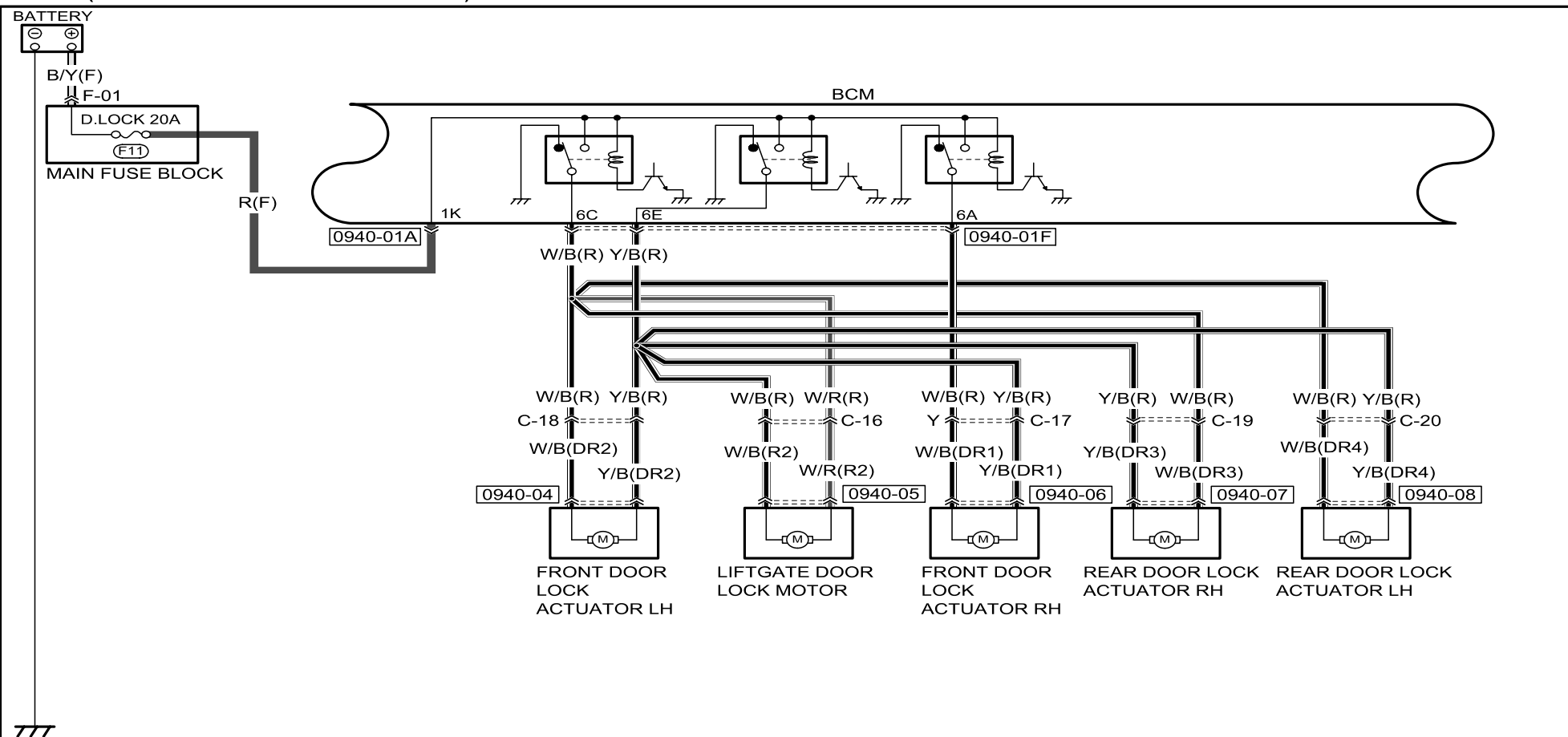
BCM (BODY CONTROL MODULE)

0940-a

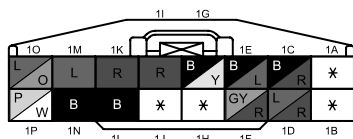


<p>0940-01A BCM</p> 	<p>0940-01C BCM</p>  <p>MANUAL A/C :  : NOT USED</p>	<p>0940-01D BCM</p>  <p>0940-03 IGNITION KEY ILLUMINATION</p> 	<p>0940-01F BCM</p> 	<p>0940-02 KEY REMINDER SWITCH</p> 
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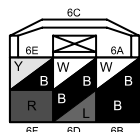




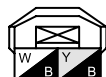
0940-01A
BCM



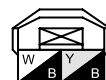
0940-01F
BCM



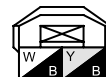
0940-06
FRONT DOOR LOCK
ACTUATOR RH



0940-04
FRONT DOOR LOCK ACTUATOR LH



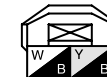
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REAR DOOR LOCK ACTUATOR RH

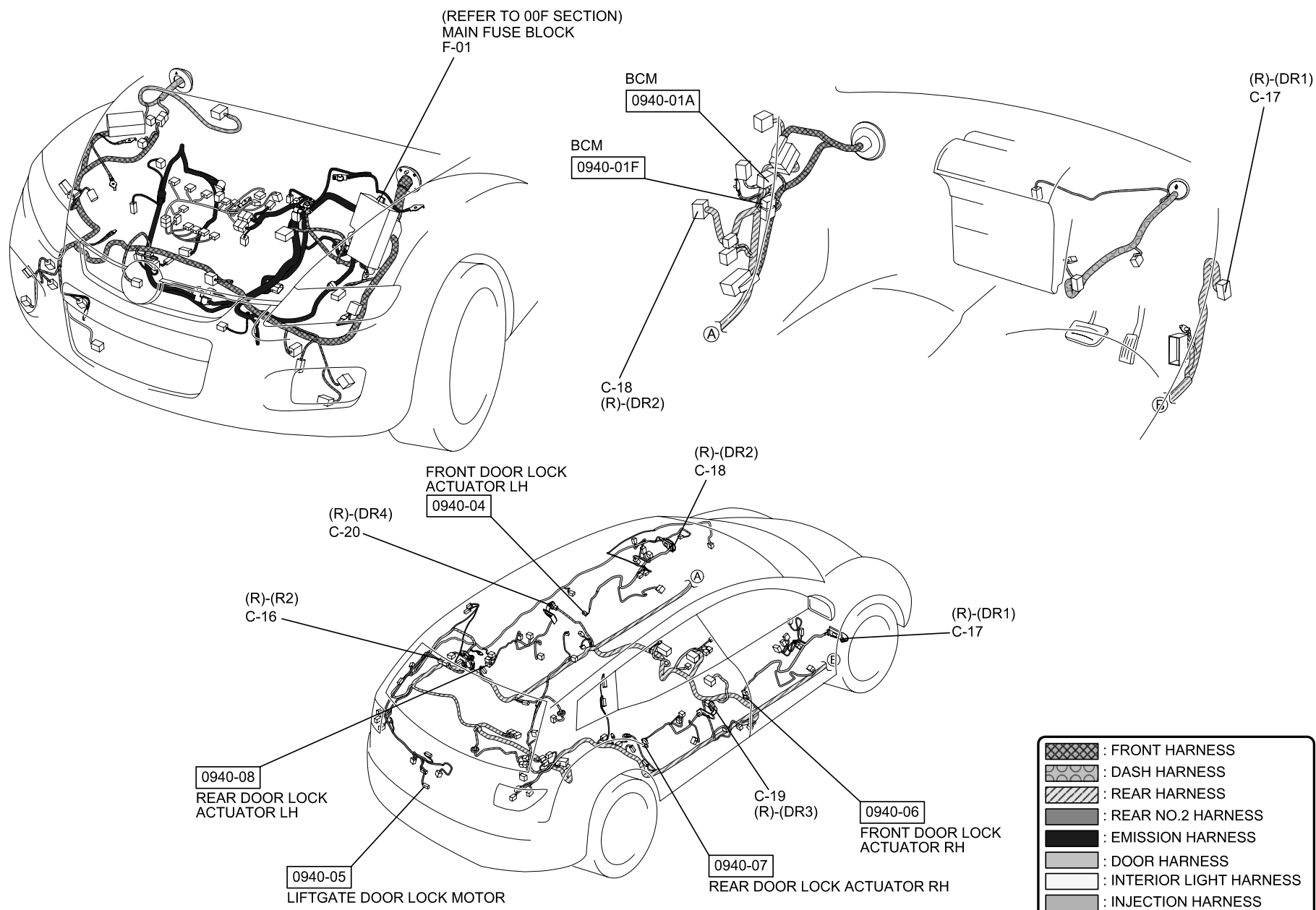


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LIFTGATE DOOR LOCK MOTOR



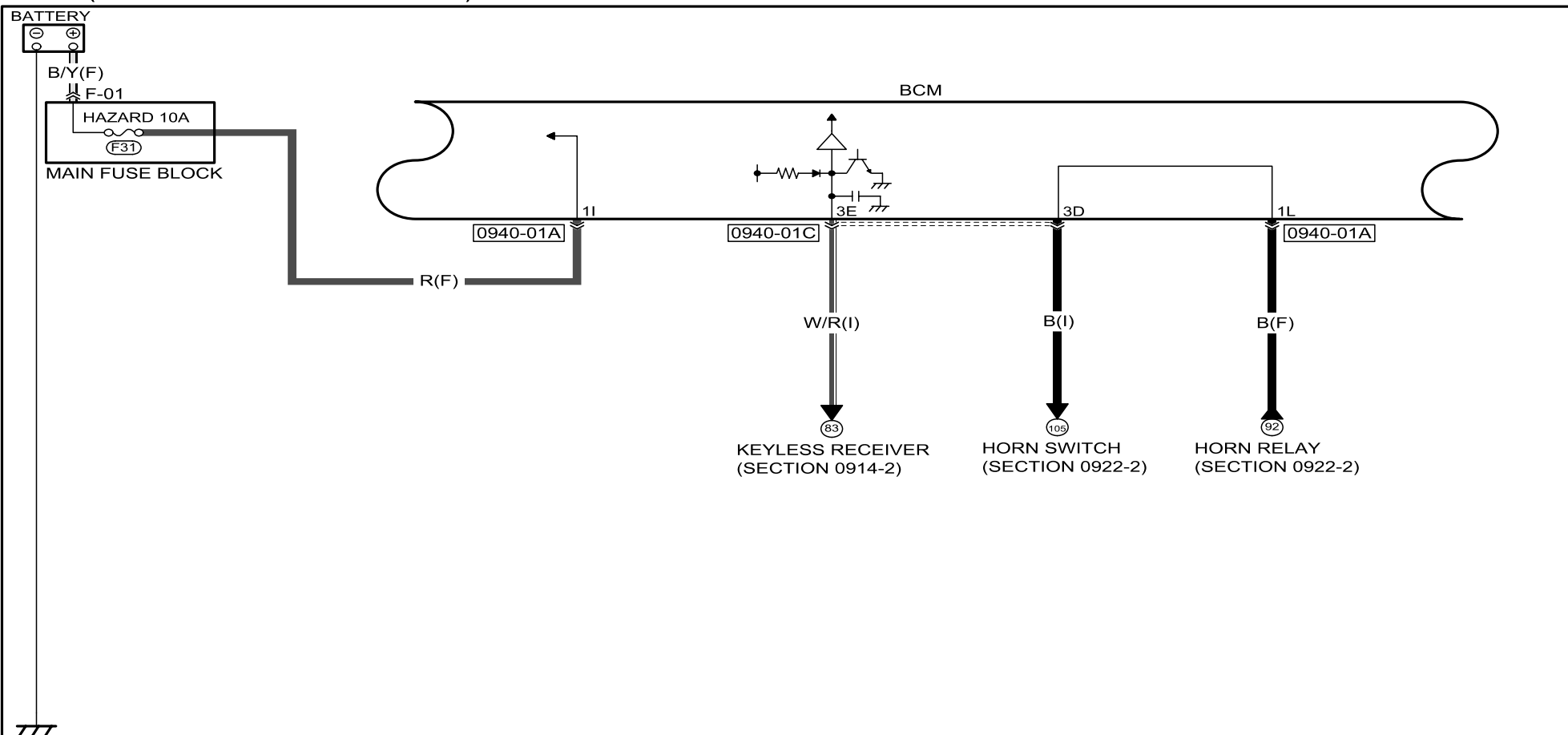
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REAR DOOR LOCK ACTUATOR LH



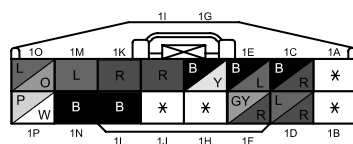


BCM (BODY CONTROL MODULE)

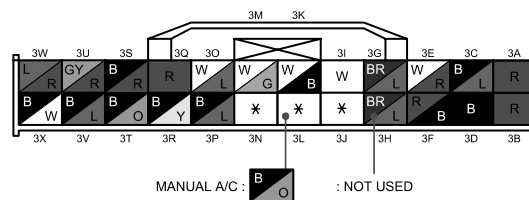
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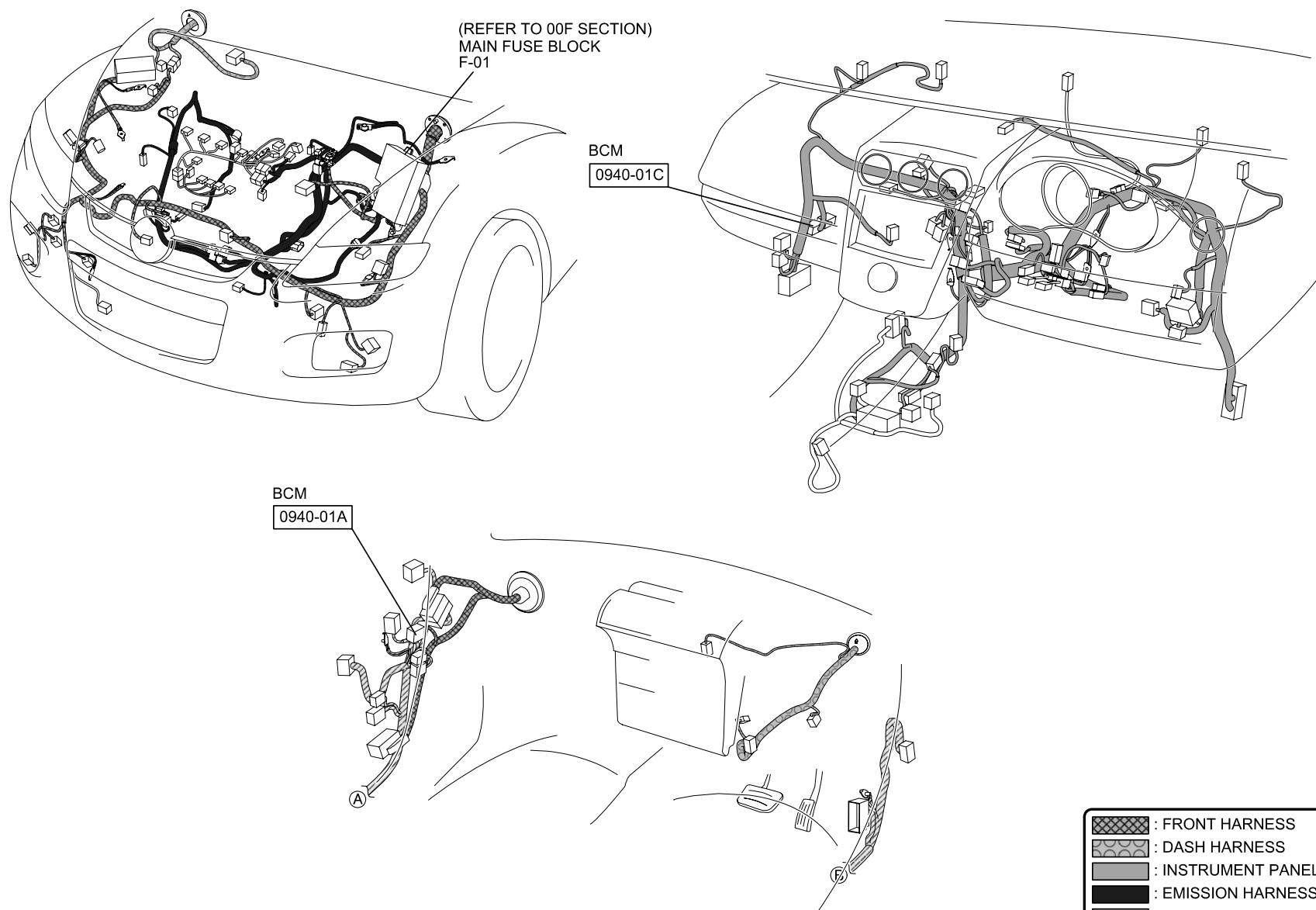


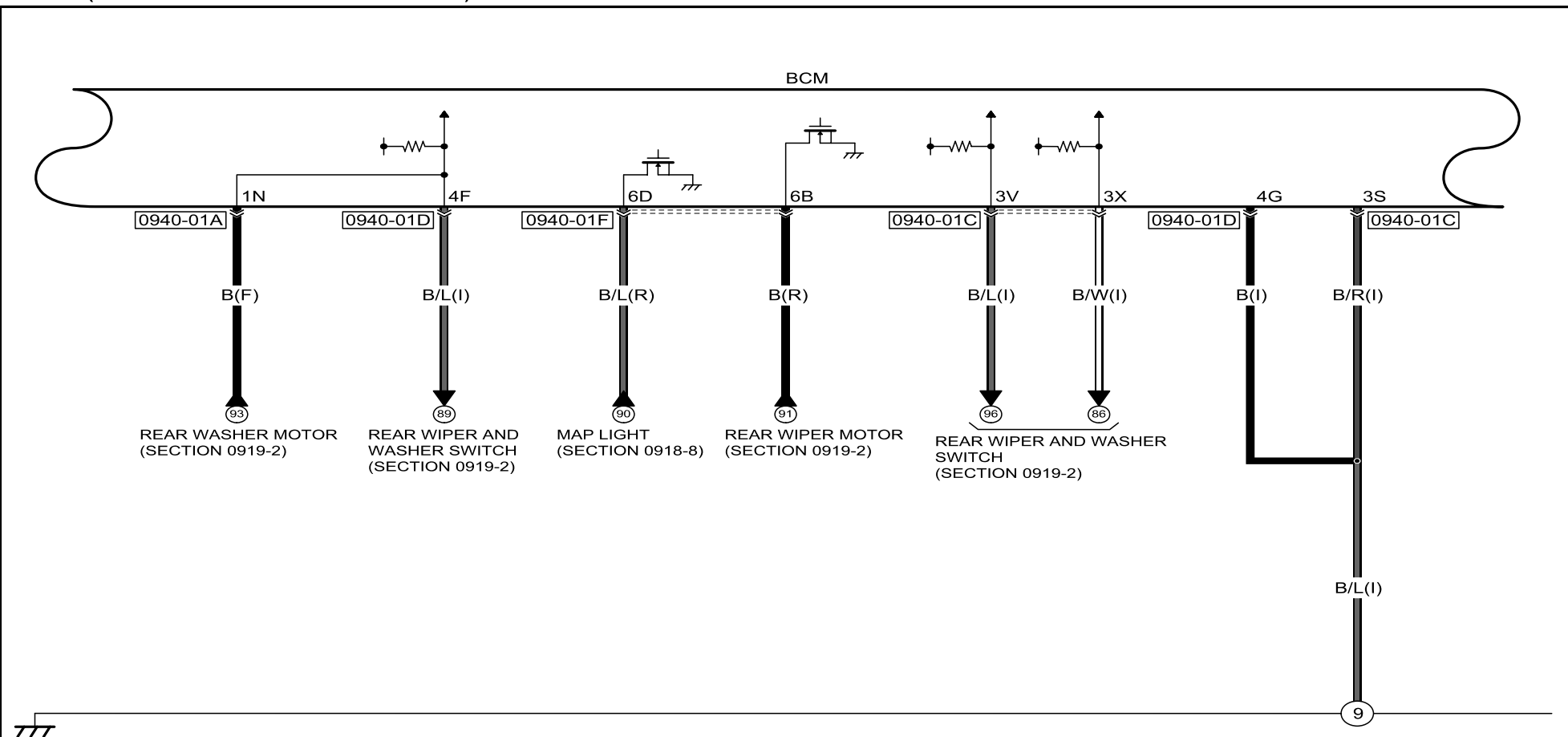
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BCM



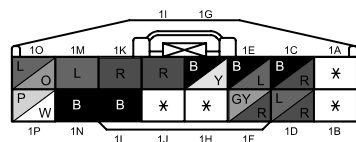
0940-01C	BCM
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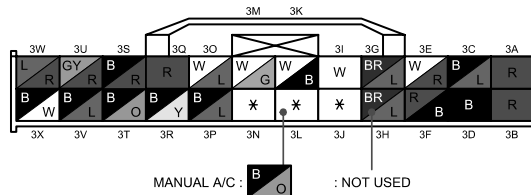




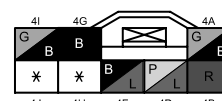
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BCM



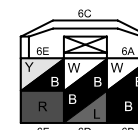
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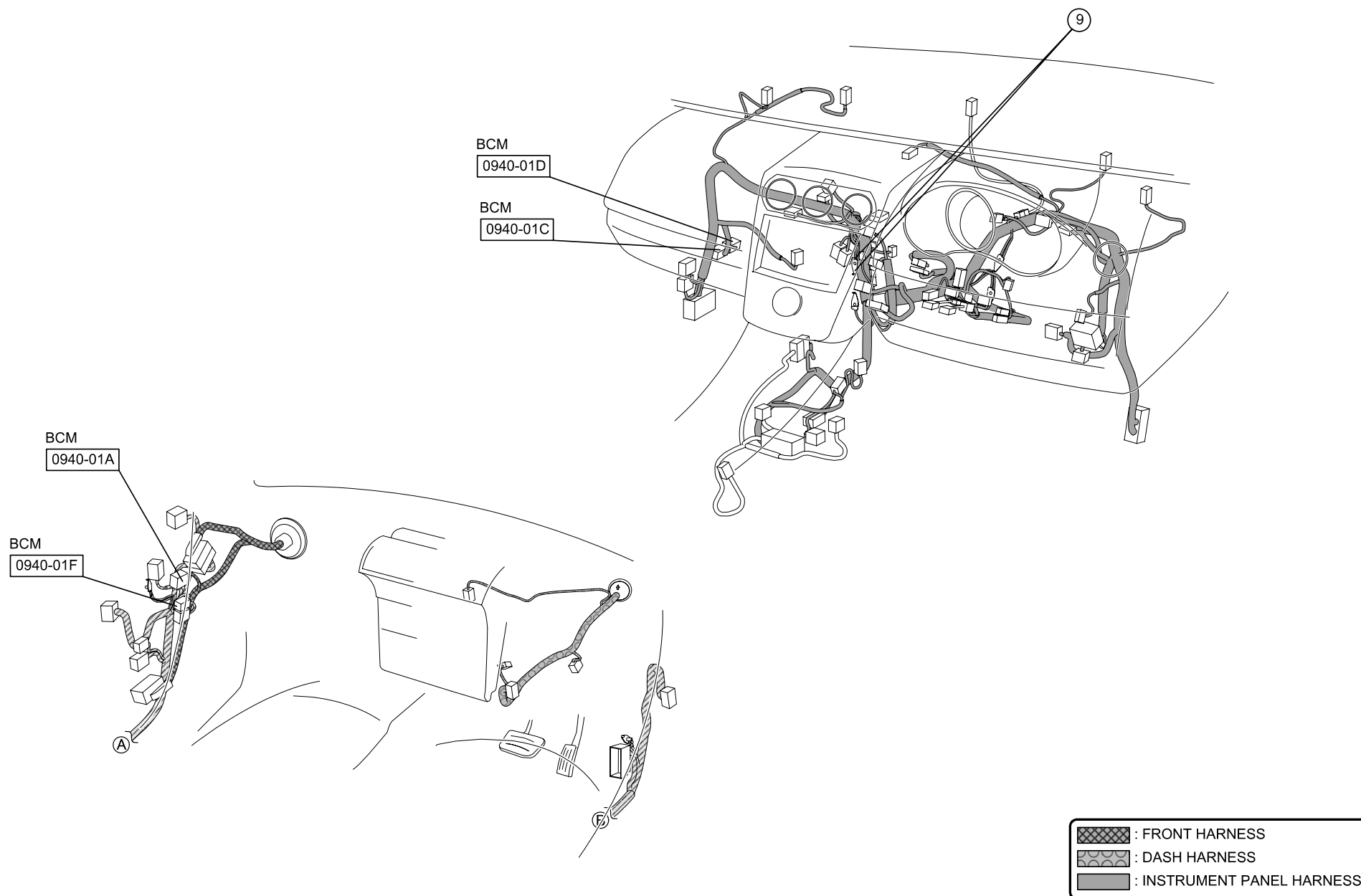


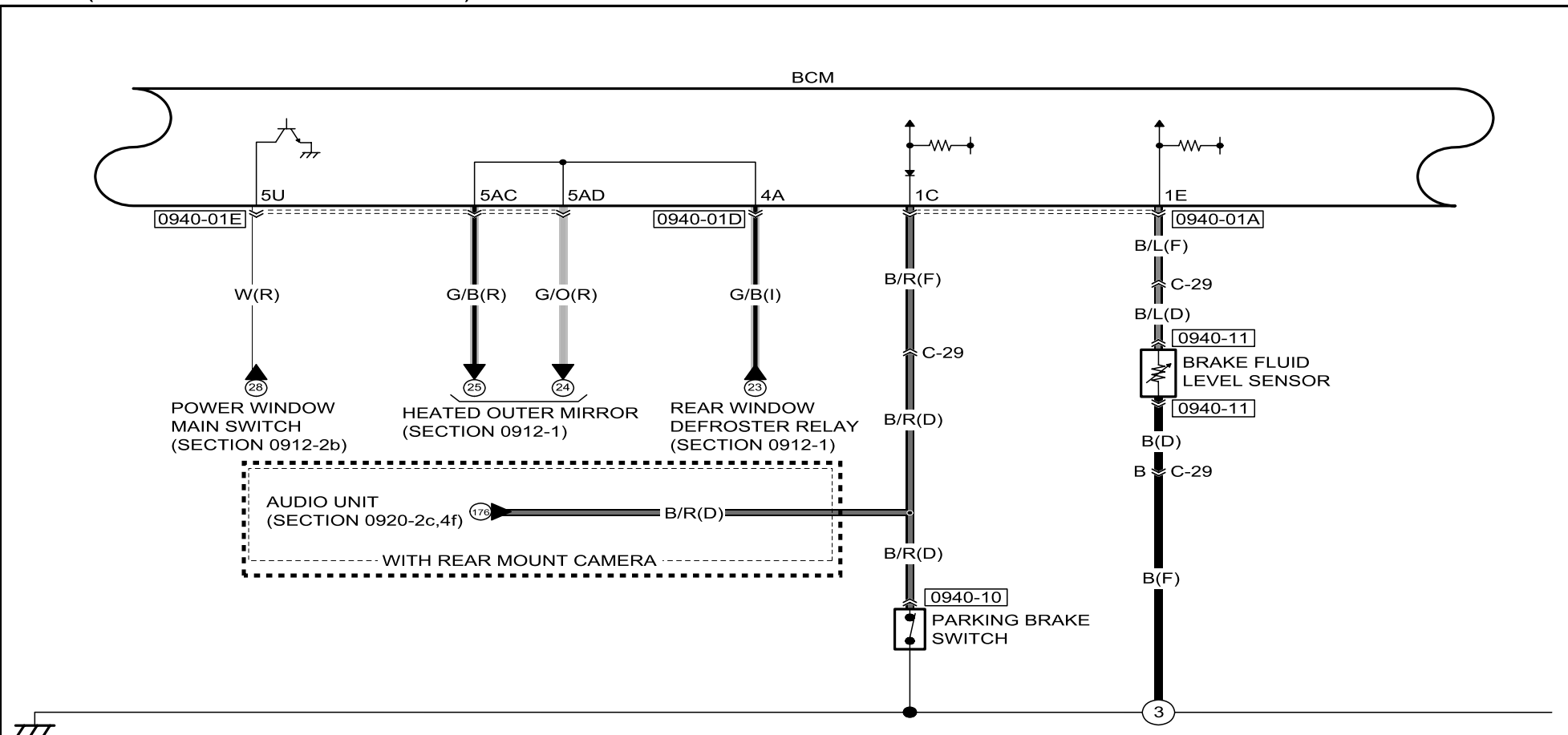
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BCM



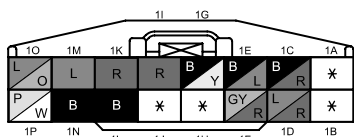
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BCM



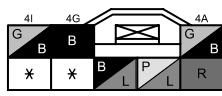




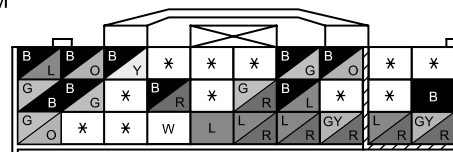
0940-01A
BCM



0940-01D
BCM



0940-01E
BCM



0940-10
PARKING BRAKE SWITCH

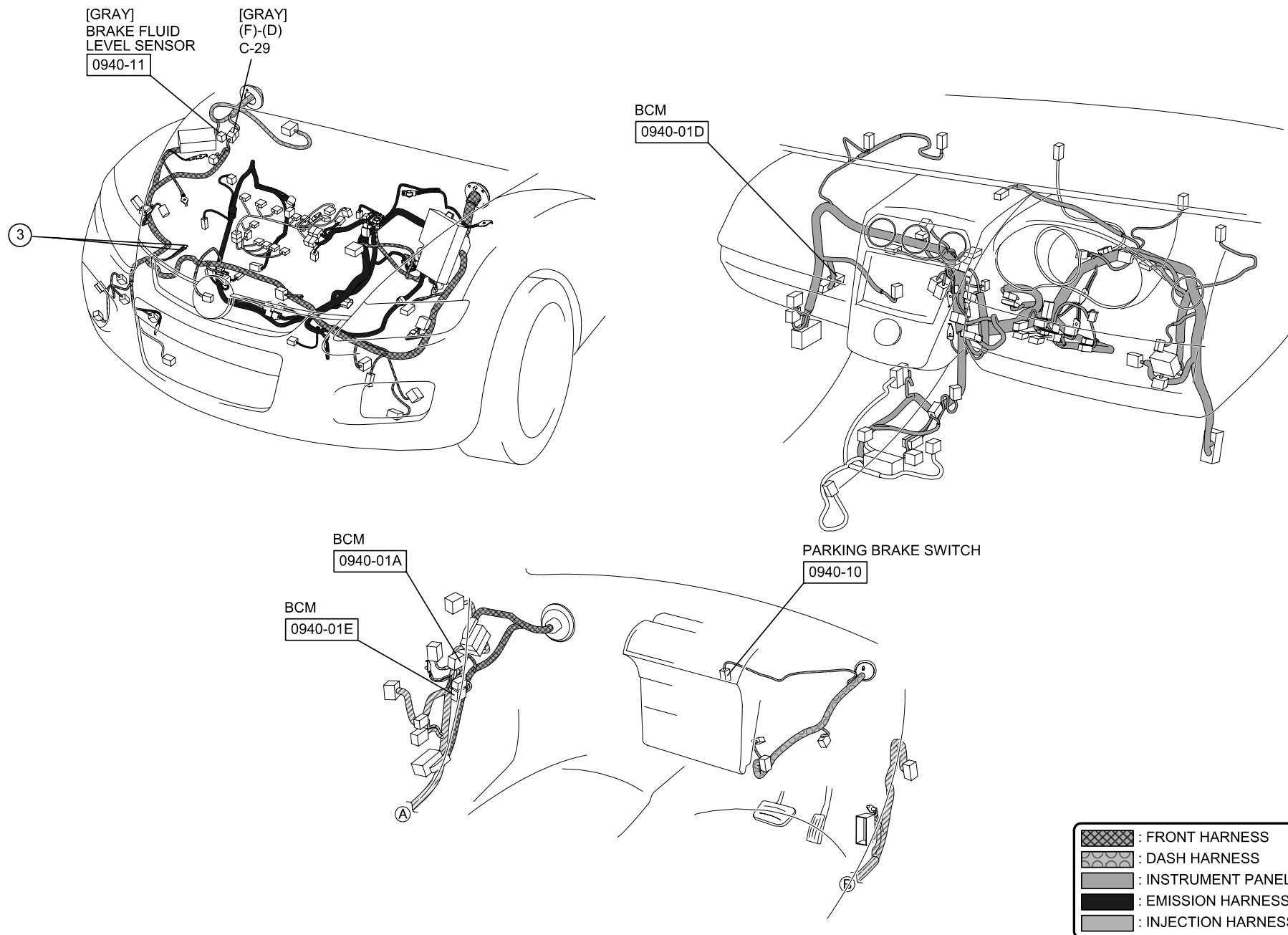


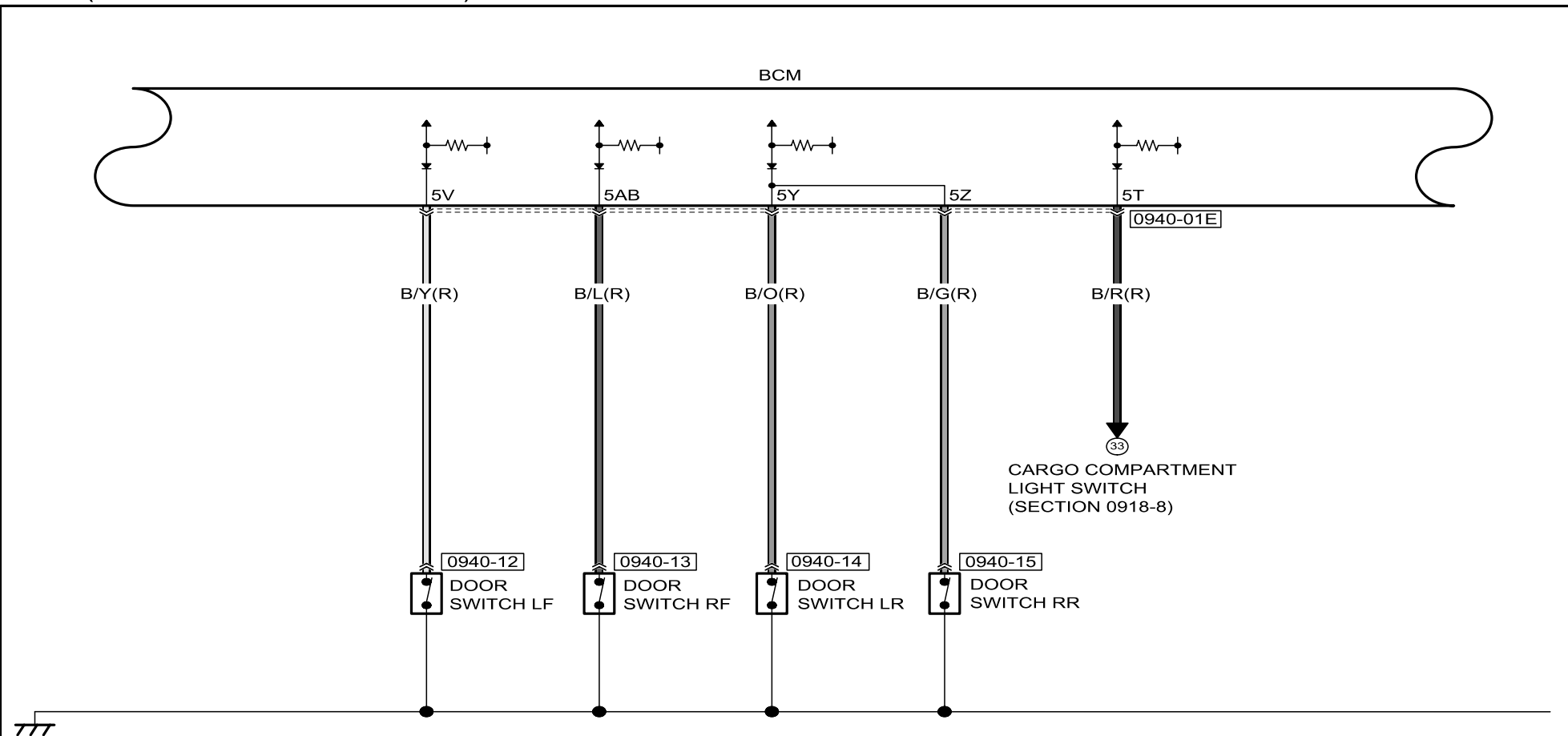
0940-11
BRAKE FLUID LEVEL SENSOR



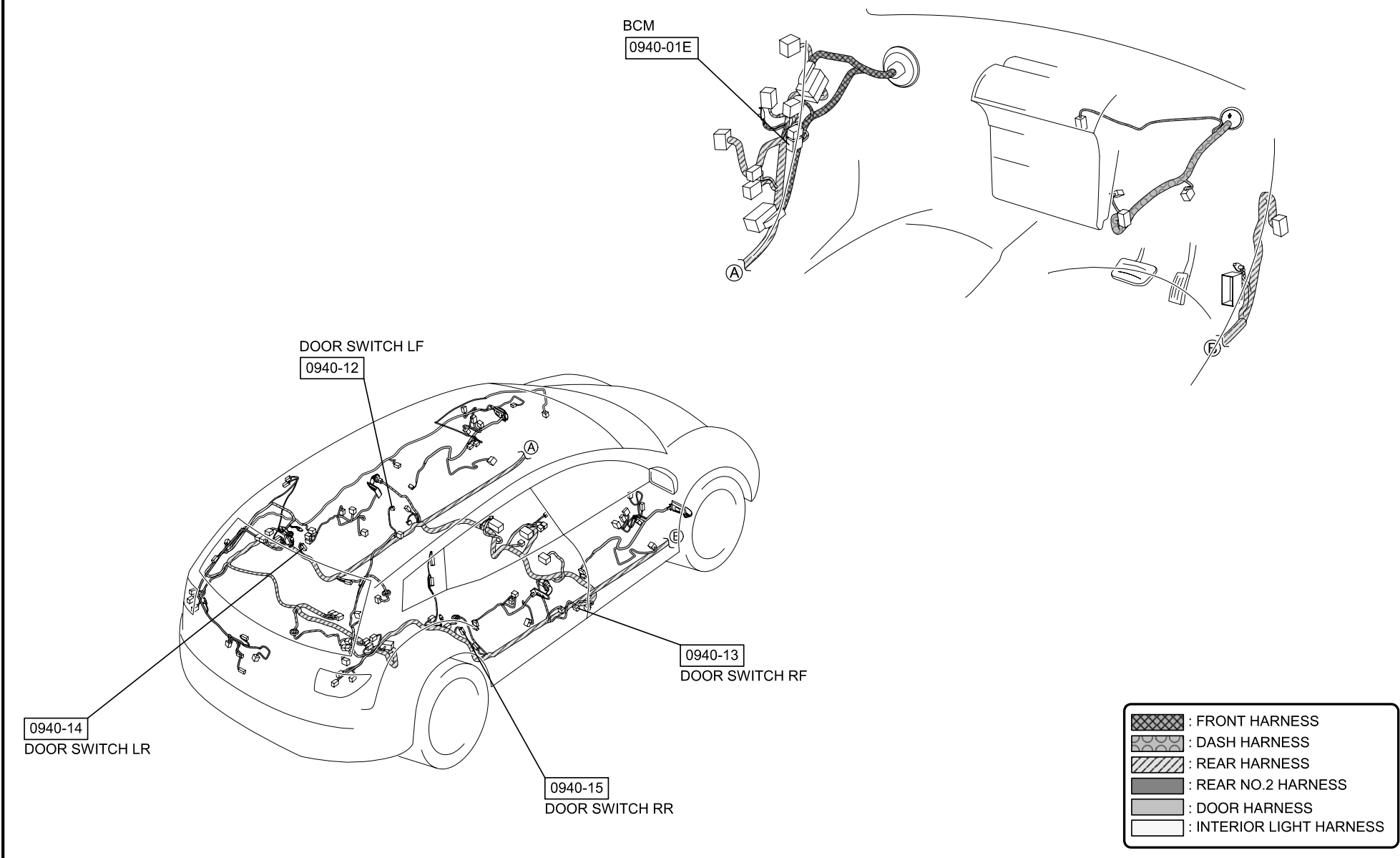
BCM (BODY CONTROL MODULE)

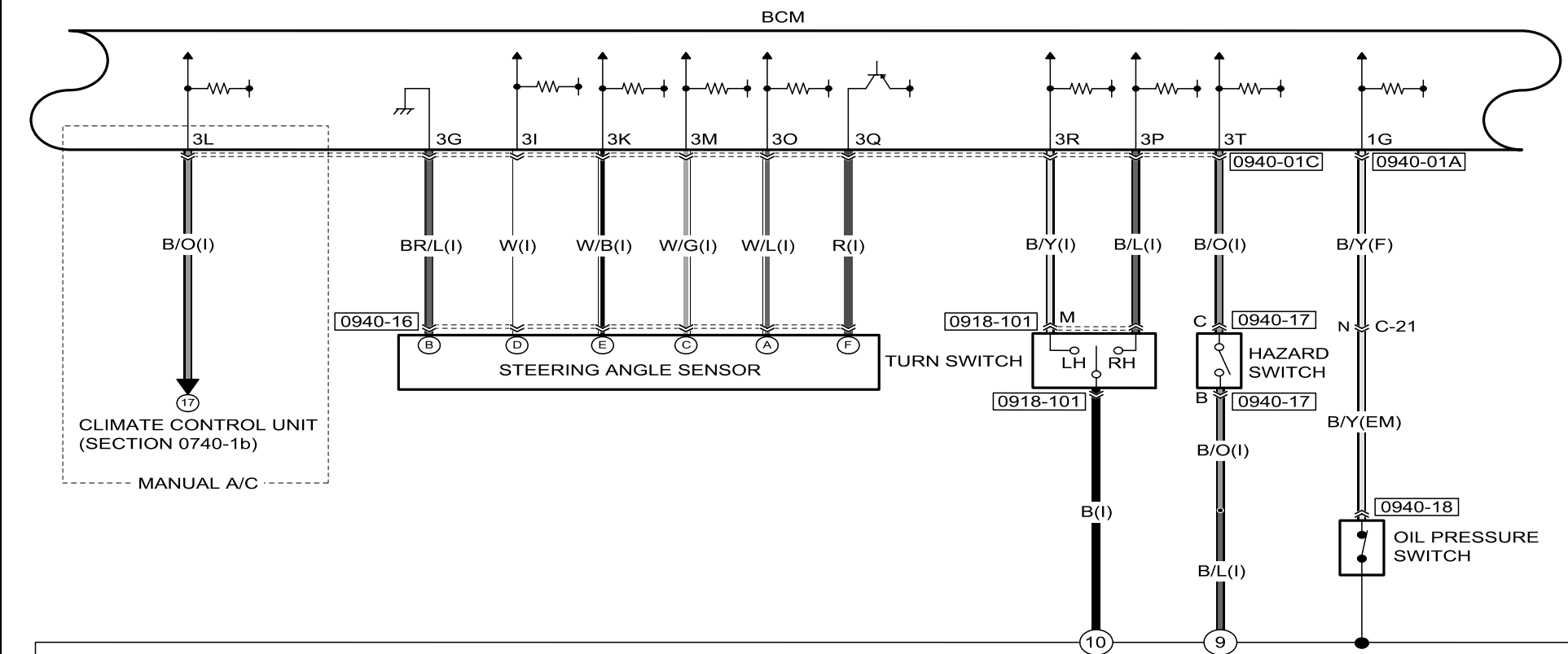
0940-e



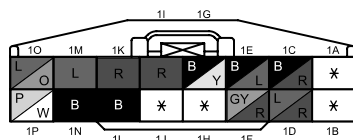


0940-01E BCM	0940-12 DOOR SWITCH LF	0940-13 DOOR SWITCH RF	0940-14 DOOR SWITCH LR	0940-15 DOOR SWITCH RR	

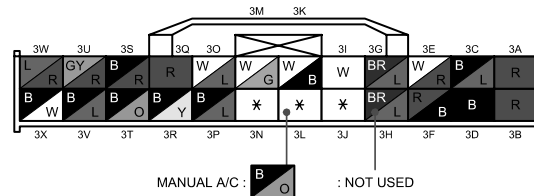




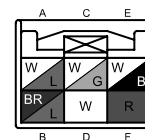
0940-01A
BCM



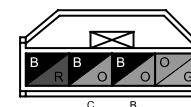
0940-01C
BCM



0940-16
STEERING ANGLE
SENSOR



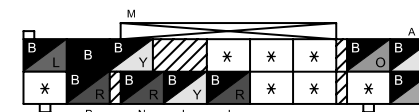
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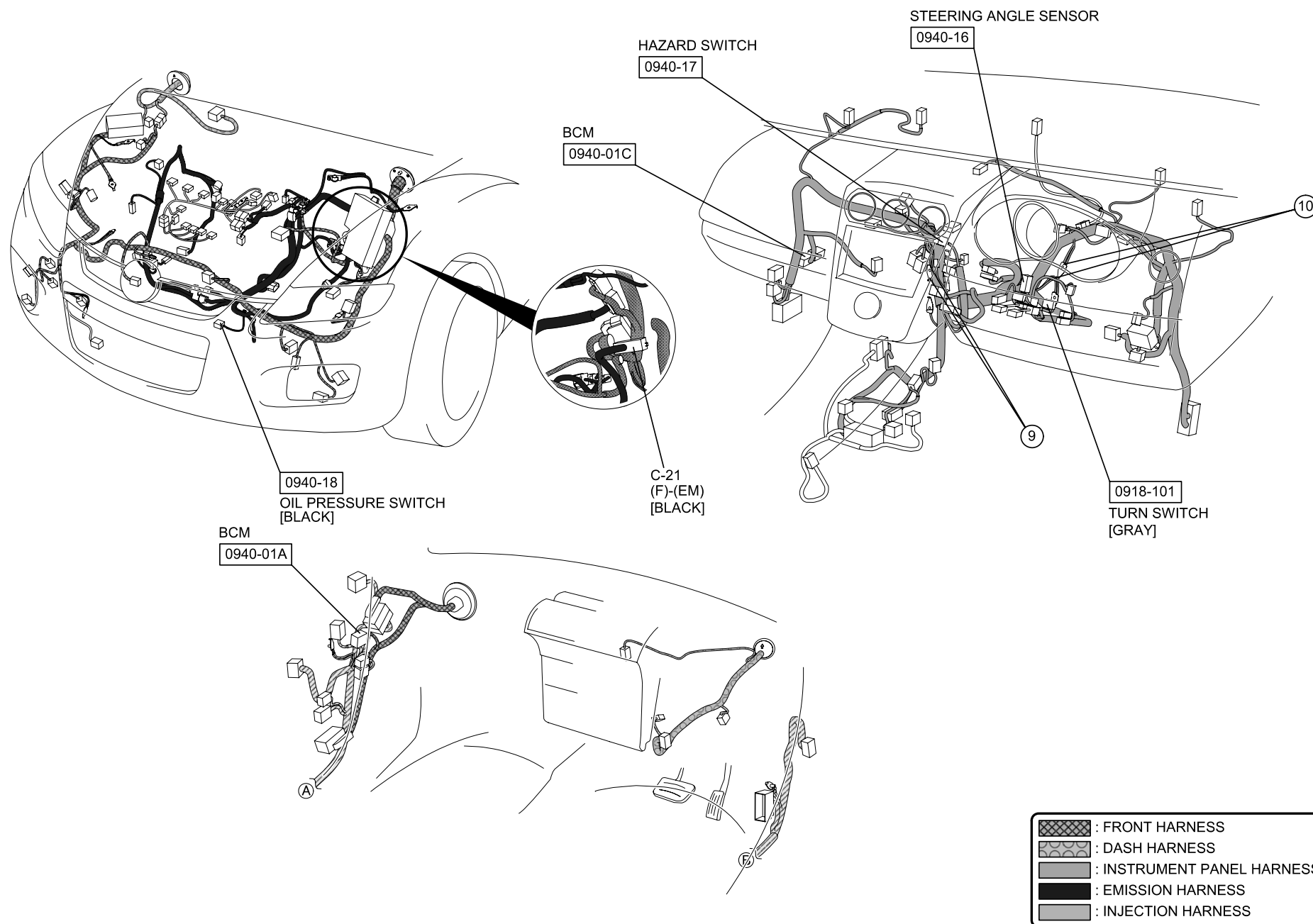


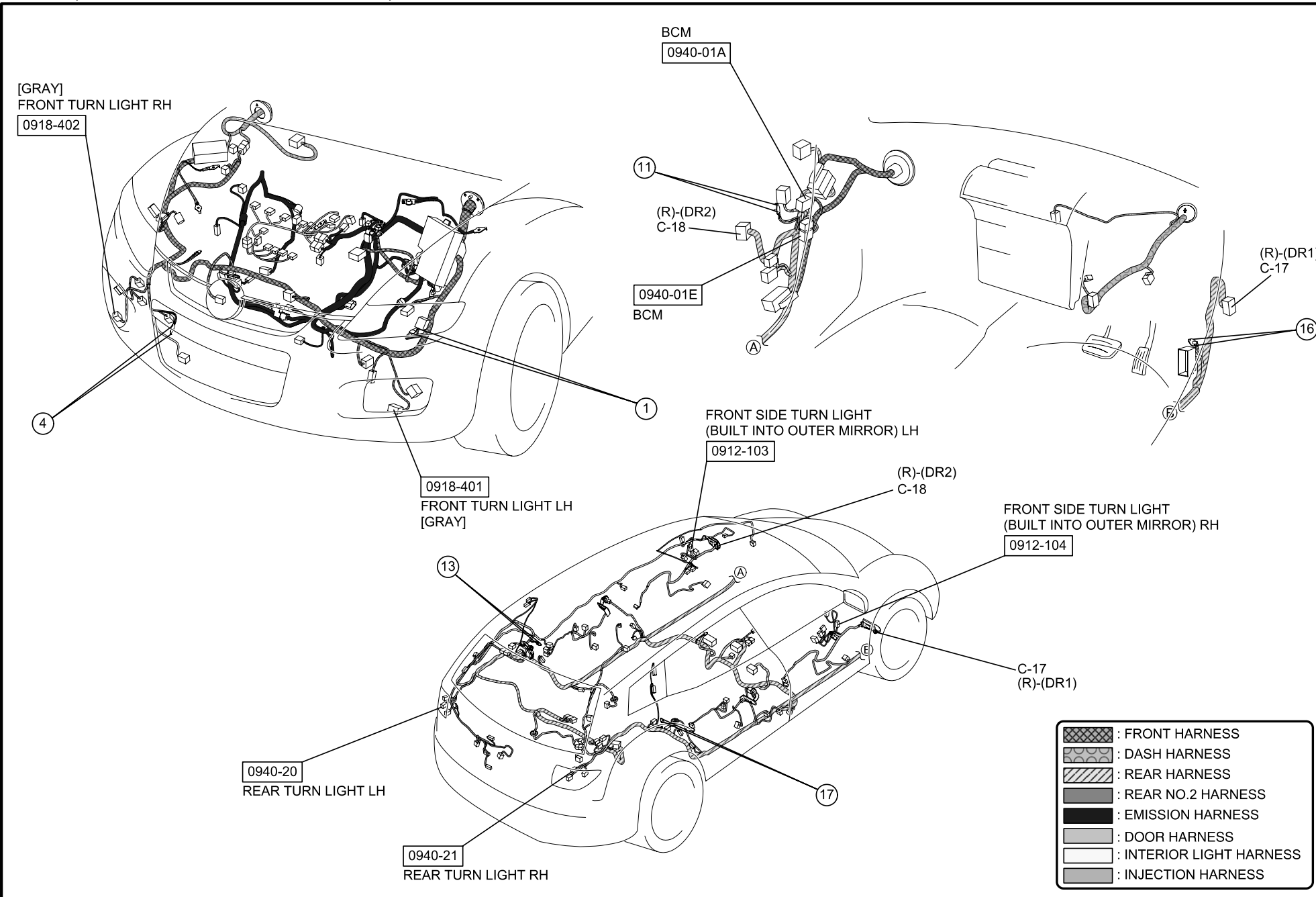
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OIL PRESSURE SWITCH

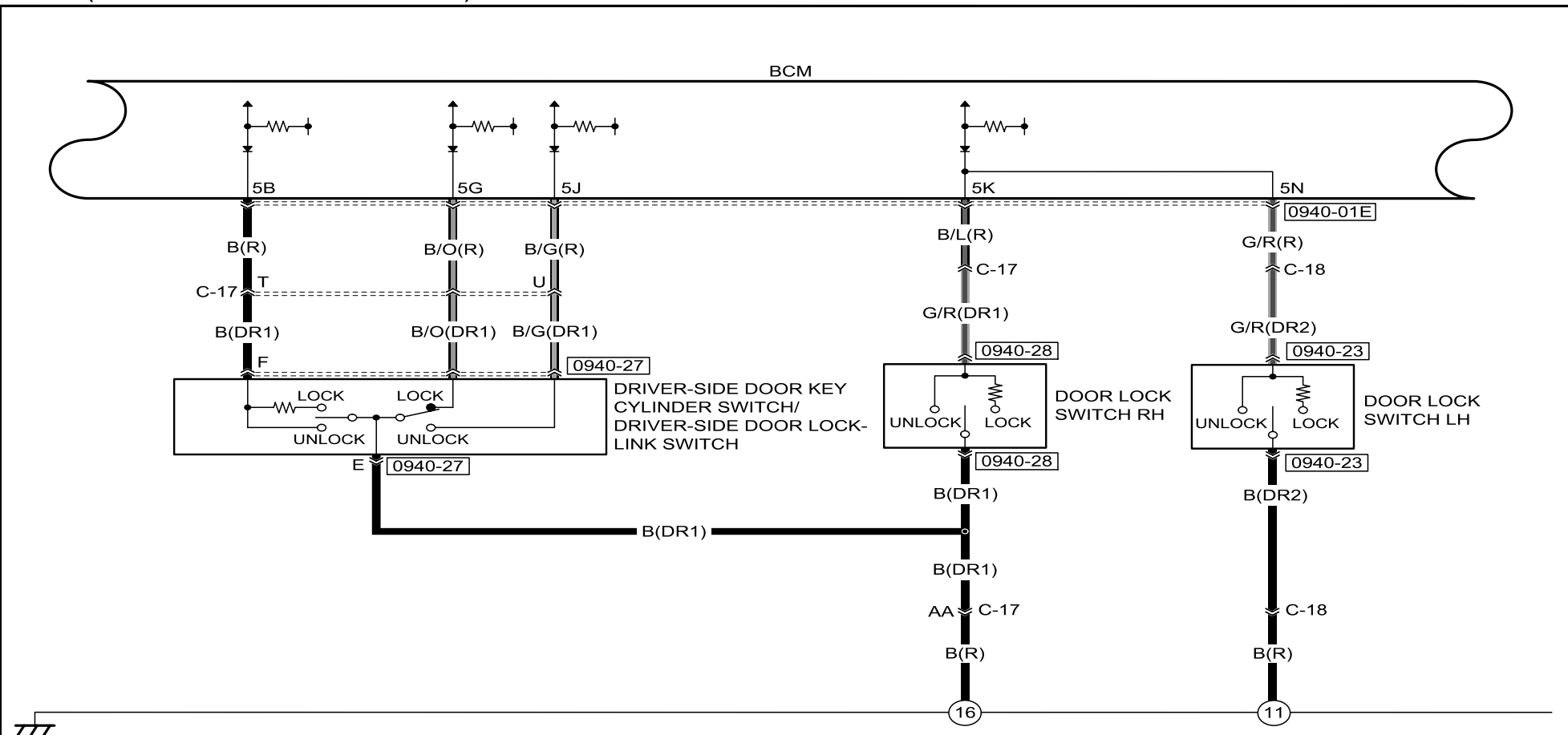


0918-101
TURN SWITCH

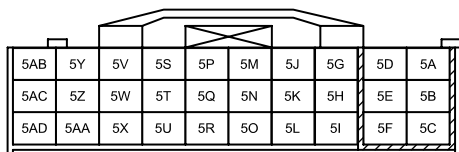
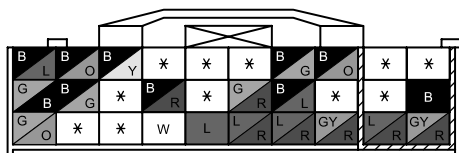




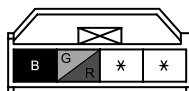




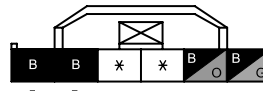
0940-01E
BCM



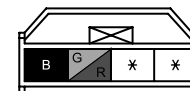
0940-23
DOOR LOCK SWITCH LH

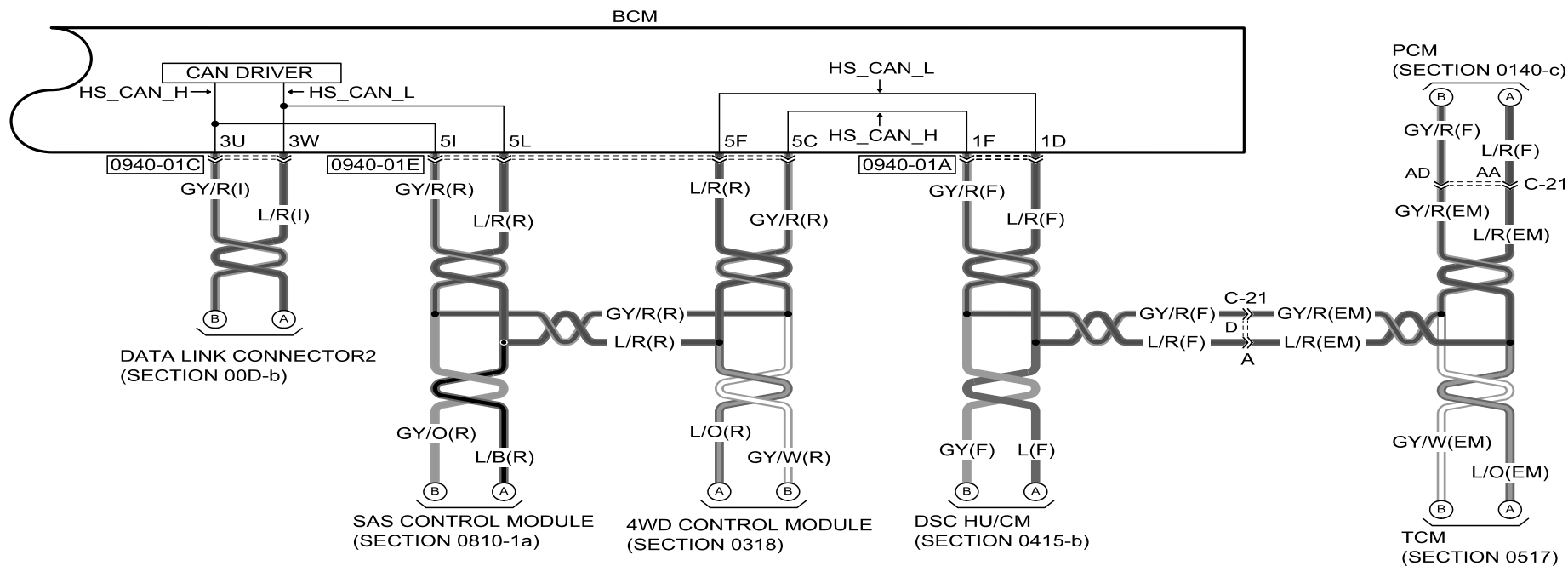


0940-27
DRIVER-SIDE DOOR KEY CYLINDER SWITCH/
DRIVER-SIDE DOOR LOCK-LINK SWITCH

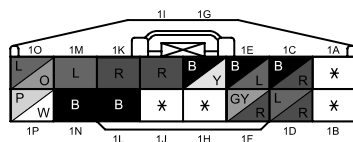


0940-28
DOOR LOCK SWITCH RH

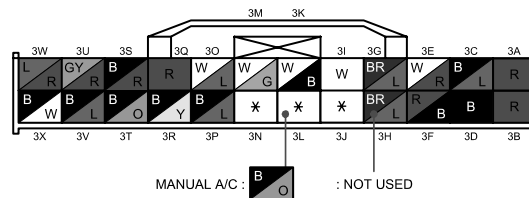




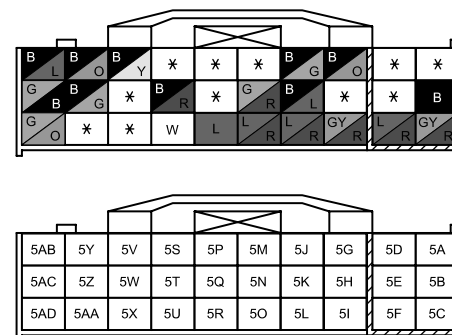
0940-01A
BCM

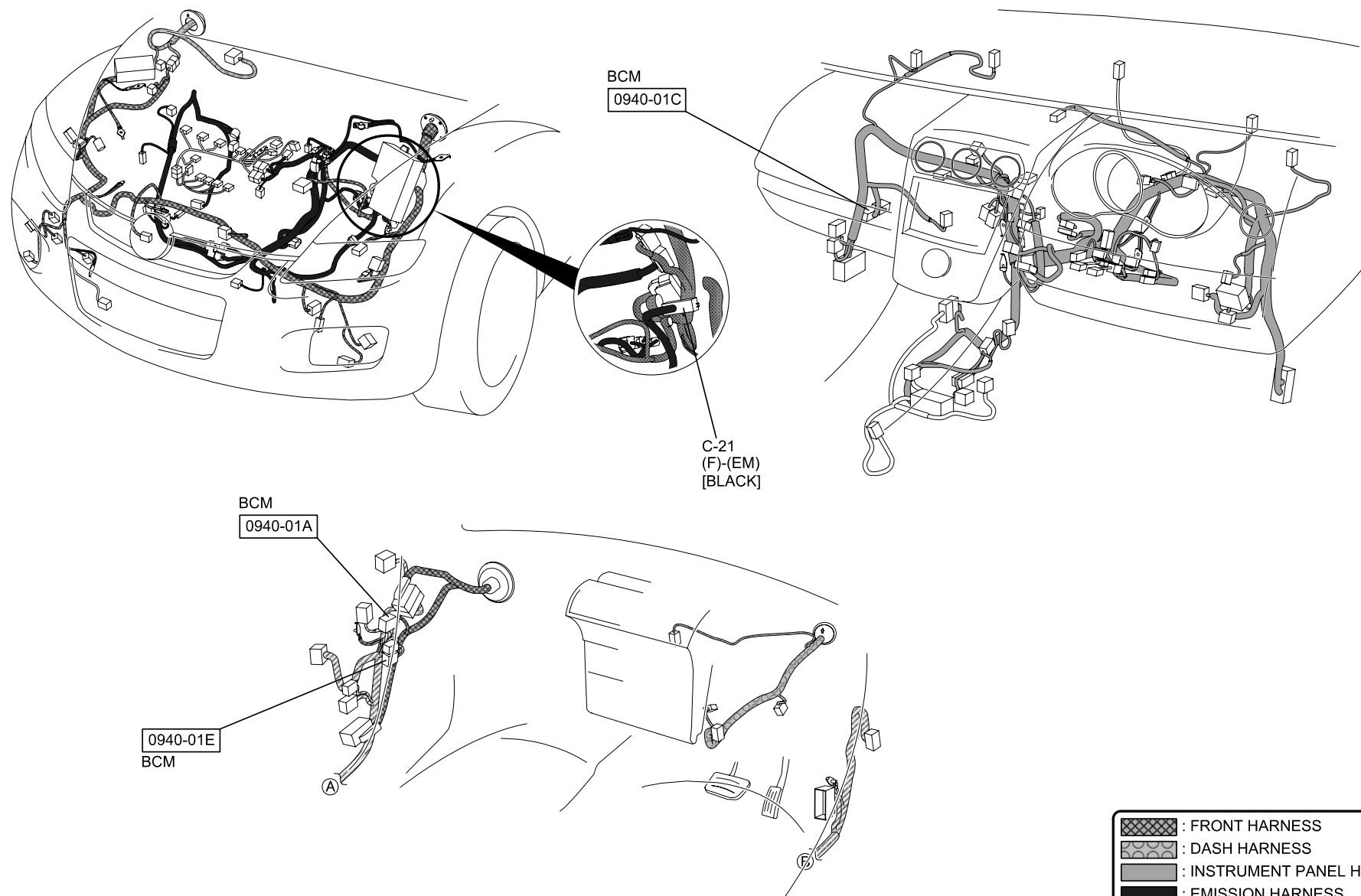







0940-01C
BCM



0940-01E
BCM





-  : FRONT HARNESS
-  : DASH HARNESS
-  : INSTRUMENT PANEL HARNESS
-  : EMISSION HARNESS
-  : INJECTION HARNESS

ALPHABETICAL INDEX

4		
	4WD CONTROL MODULE	66
	4WD SOLENOID	66
A		
	A/C RELAY	21,86
	ABBREVIATIONS	12
	ABS WHEEL-SPEED SENSOR	70
	ACCELERATOR PEDAL POSITION SENSOR	48
	ACCESSORY SOCKET	146
	AIR BAG MODULE	90
	AIR INTAKE ACTUATOR	76,84
	AIR MIX ACTUATOR	84
	AIRFLOW MODE ACTUATOR	76,84
	AIRFLOW VOLUME CONTROL DIAL	74
	AMBIENT TEMPERATURE SENSOR	82,176
	ANTENNA	150,160
	AUDIO AMPLIFIER	152
	AUDIO CONTROL SWITCH	148,160
	AUDIO UNIT	148,154
	AUDIOPILOT MICROPHONE	158
	AUTO LIGHT CONTROL MODULE	122
	AUTO LIGHT SENSOR	122
B		
	BACK-UP LIGHT	132
	BACK-UP LIGHT RELAY	20,132
	BCM	178
	BLOWER MOTOR	74,80
	BLOWER RELAY	20,74,80
	BRAKE FLUID LEVEL SENSOR	186
	BRAKE LIGHT	134
	BRAKE SWITCH	44,134
	BUCKLE SWITCH	
	(DRIVER-SIDE)	94
	(PASSENGER-SIDE)	96
C		
	CAMSHAFT POSITION SENSOR	60
	CAPACITOR	52
	CARGO COMPARTMENT LIGHT	136
	CARGO COMPARTMENT LIGHT SWITCH	136
	CLIMATE CONTROL UNIT	74,80
	COIL	112
	COMBINED SENSOR	70
	COMMON CONNECTOR LIST	22
	COOLING FAN RELAY	20,36
	CRANKSHAFT POSITION SENSOR	60
	CRASH ZONE SENSOR	90
	CRUISE CONTROL SWITCH	44
	CURTAIN AIR BAG MODULE	
	(DRIVER-SIDE)	92
	(PASSENGER-SIDE)	96
D		
	DATA LINK CONNECTOR2	32
	DIFFERENTIAL OIL TEMPERATURE SENSOR	66
	DOOR KEY CYLINDER SWITCH	194
	DOOR LOCK ACTUATOR	180
	DOOR LOCK SWITCH	194
	DOOR LOCK-LINK SWITCH	194
	DOOR SPEAKER	150,156
	DOOR SWITCH	188
	DRIVE-BY-WIRE RELAY	20,48
	DRIVER-SIDE AIR BAG MODULE	90
	DRIVER-SIDE BUCKLE SWITCH	94
	DRIVER-SIDE CURTAIN AIR BAG MODULE	92
	DRIVER-SIDE DOOR KEY CYLINDER SWITCH	194
	DRIVER-SIDE DOOR LOCK-LINK SWITCH	194
	DRIVER-SIDE PRE-TENSIONER SEAT BELT	94
	DRIVER-SIDE SIDE AIR BAG MODULE	94
	DRIVER-SIDE SIDE AIR BAG SENSOR	92
	DSC HU/CM	68
E		
	EGR VALVE	56
	ELECTRICAL WIRING SCHEMATIC	18
	ENGINE COOLANT TEMPERATURE SENSOR	56
	EVAPORATOR TEMPERATURE SENSOR	76,82
F		
	FAN CONTROL MODULE	36
	FILAMENT	98
	FOG LIGHT	130
	FOG LIGHT RELAY	21,130
	FOG LIGHT SWITCH	130
	FRONT DOOR LOCK ACTUATOR	180
	FRONT DOOR SPEAKER	150,156
	FRONT FOG LIGHT	130
	FRONT FOG LIGHT RELAY	21,130
	FRONT FOG LIGHT SWITCH	130
	FRONT SIDE TURN LIGHT	
	(BUILT INTO OUTER MIRROR)	192
	FRONT SPEAKER	156
	FRONT TURN LIGHT	192
	FUEL GAUGE SENDER SUB UNIT	164
	FUEL GAUGE SENDER UNIT	164
	FUEL INJECTOR	58
	FUEL INJECTOR RELAY	20,46
	FUEL PRESSURE SENSOR	62
	FUEL PUMP RELAY	20,38
	FUEL PUMP RESISTOR	38
	FUEL PUMP SPEED CONTROL RELAY	20,38
	FUEL PUMP UNIT	38
	FUSE BOX	20
G		
	GENERAL INFORMATION	4
	GENERATOR	40
	GROUND POINT	28
H		
	HAZARD SWITCH	190
	HEADLIGHT	120
	HEADLIGHT RELAY	20,118
	HEADLIGHT SWITCH	118
	HEATED OUTER MIRROR	98
	HIGH-MOUNT BRAKE LIGHT	134
	HO2S	
	(FRONT)	60
	(REAR)	58
	HORN	172
	HORN RELAY	21,172
	HORN SWITCH	172
I		
	IGNITION COIL	52
	ILLUMINATION	
	AUDIO CONTROL SWITCH	140
	CRUISE CONTROL SWITCH	140
	HAZARD SWITCH	138
	IGNITION KEY	178
	SEAT WARMER SWITCH	138
	SELECTOR	138
	TCS OFF SWITCH	140
	INFORMATION DISPLAY	174
	INSTRUMENT CLUSTER	162
	INTERIOR LIGHT	136
K		
	KEY REMINDER SWITCH	178
	KEYLESS RECEIVER	114
	KNOCK SENSOR	60

ALPHABETICAL INDEX

L		S	
LICENSE PLATE LIGHT	128	SAS CONTROL MODULE	88
LIFTGATE DOOR LOCK MOTOR.....	180	SEAT WARMER SWITCH	108
M		SEAT WARMER UNIT	108
MAGNETIC CLUTCH.....	86	SELECTOR LEVER COMPONENT	72
MAIN RELAY	20,48	SIDE AIR BAG MODULE	
MANIFOLD ABSOLUTE PRESSURE SENSOR/ BOOST AIR TEMPERATURE SENSOR.....	54	(DRIVER-SIDE).....	94
MAP LIGHT.....	136	(PASSENGER-SIDE).....	96
MASS AIR FLOW/ INTAKE AIR TEMPERATURE SENSOR.....	50	SIDE AIR BAG SENSOR	92
O		SIDE TURN LIGHT (BUILT INTO OUTER MIRROR).....	192
OCCUPANCY SENSOR	96	SOLAR RADIATION SENSOR	82
OIL CONTROL VALVE.....	52	SPEAKER	
OIL PRESSURE SWITCH	190	(FRONT).....	156
P		(REAR)	152
PARKING BRAKE SWITCH.....	186	SPILL VALVE CONTROL SOLENOID VALVE (HIGH PRESSURE FUEL PUMP).....	56
PARKING LIGHT.....	126	SPOT LIGHT	140
PASSENGER COMPARTMENT TEMPERATURE SENSOR	82	STARTER	42
PASSENGER-SIDE AIR BAG MODULE.....	90	STARTER RELAY	20,42
PASSENGER-SIDE BUCKLE SWITCH	96	STEERING ANGLE SENSOR.....	190
PASSENGER-SIDE CURTAIN AIR BAG MODULE	96	SUNROOF MOTOR	116
PASSENGER-SIDE PRE-TENSIONER SEAT BELT	96	SUNROOF SWITCH	116
PASSENGER-SIDE SIDE AIR BAG MODULE	96	T	
PASSENGER-SIDE SIDE AIR BAG SENSOR	92	TAILLIGHT	128
PCM	46	TCM.....	72
POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR(POWER MOS FET)	80	TCS OFF SWITCH.....	68
POWER OUTER MIRROR	106	THROTTLE BODY.....	60
POWER OUTER MIRROR SWITCH	106	TNS RELAY	20,126
POWER SEAT SWITCH	110	TURN LIGHT.....	192
POWER STEERING PRESSURE SWITCH	54	TURN SWITCH	190
POWER WINDOW MAIN SWITCH.....	100	V	
POWER WINDOW MOTOR.....	102	VARIABLE SWIRL SHUTTER VALVE SWITCH.....	54
POWER WINDOW SUBSWITCH	102	VARIABLE SWIRL SOLENOID VALVE	54
PRE-TENSIONER SEAT BELT (DRIVER-SIDE).....	94	VEHICLE IDENTIFICATION NUMBERS (VIN)	3
(PASSENGER-SIDE)	96	W	
PURGE SOLENOID VALVE.....	52	WASHER MOTOR	
R		(WINDSHIELD).....	142
REAR ACCESSORY SOCKET	146	(REAR)	144
REAR DOOR LOCK ACTUATOR	180	WASTEGATE CONTROL SOLENOID VALVE	54
REAR DOOR SPEAKER	150,156	WINDSHIELD WASHER MOTOR	142
REAR MOUNT CAMERA	150-2,160-2	WINDSHIELD WIPER AND WASHER SWITCH.....	142
REAR POWER WINDOW MOTOR.....	104	WINDSHIELD WIPER MOTOR	142
REAR POWER WINDOW SUBSWITCH	104	WIPER AND WASHER SWITCH (WINDSHIELD).....	142
REAR SPEAKER.....	152	(REAR)	144
REAR TURN LIGHT	192	WIPER MOTOR	
REAR WASHER MOTOR	144	(WINDSHIELD).....	142
REAR WINDOW DEFROSTER RELAY	20,98	(REAR)	144
REAR WIPER AND WASHER SWITCH	144	WIRING COLOR CODE.....	9
REAR WIPER MOTOR	144	WOOFER	152
REFRIGERANT PRESSURE SWITCH	78,82		
RESISTOR.....	74		