

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.

Mazda6

Wiring Diagram

FOREWORD

This wiring diagram incorporates the wiring schematics of the Mazda6 and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

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

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

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

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

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Mazda Motor Corporation
HIROSHIMA, JAPAN

APPLICATION:

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

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TITLE	SECTION	
	PREVIOUS	NEW
GENERAL INFORMATION	GI (GENERAL INFORMATION)	00
	W (ELECTRICAL WIRING SCHEMATIC)	
	FB (FUSE BLOCK)	
	JB (JOINT BOX)	
	X (COMMON CONNECTOR)	
	Y (GROUND POINT)	
ENGINE	U (DATA LINK CONNECTOR)	01
	A (CHARGING SYSTEM/ STARTING SYSTEM)	
	B (ENGINE CONTROL SYSTEM)	
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BRAKES	O (ANTI-LOCK BRAKE SYSTEM)	04
TRANSMISSION/ TRANSAXLE	H (EC-AT CONTROL SYSTEM)	05
STEERING	N (ELECTRIC POWER STEERING SYSTEM)	06
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	G (AIR CONDITIONING SYSTEM)	07
RESTRAINTS	S (SEAT BELT/AIR BAG SYSTEM)	08
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	E (EXTERIOR LIGHTING SYSTEM)	
	F (SIGNAL SYSTEM)	
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	J (AUDIO SYSTEM)	
	K (DOOR/WINDOW SYSTEM)	
	L (MIRROR SYSTEM)	
	M (SUNROOF SYSTEM)	
	P (POWER SEAT SYSTEM)	
ALPHABETICAL INDEX	T (SECURITY AND LOCKS SYSTEM/OPTION)	AI
	AI (ALPHABETICAL INDEX)	

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

JM0 GG103200 500001-
JM0 GG10F200 500001-
JM0 GY103200 300001-
JM6 GG103200 500001-
JM6 GG10F200 500001-
JM6 GY103200 300001-
JM0 GG10R200 500001-
JM0 GY10R200 300001-

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

Reading Wiring Diagrams

J M 6 G G 1 0 F 2 0 0 1 2 3 4 5 6												
										Serial No.		
										for General (R.H.D.)(Jamaica): Model Year for General (R.H.D.)(others): No significance for others: No significance		
										No significance		
										Model change code		
										Engine type		
										Body style		
										Vehicle type		
										World manufacturer identification		

7= 2007, 8= 2008, 9= 2009...
7, 8, 9, A...= Dummy
0= Dummy
0= Dummy
2
R= 2.0 L-diesel (RF)
3= 2.3 L (L3, L3 Turbo)
F= 2.0 L (LF)
10= Closed body
GG= Mazda6 (4SD, 5HB), Mazda6 MPS
GY= Mazda6 (WAGON)
JM0= Mazda (Australian)
JM6= Mazda (General (R.H.D.))

VEHICLE IDENTIFICATION NUMBERS (VIN)

JM0 GG103200 500001-
JM0 GG10F200 500001-
JM0 GY103200 300001-
JM6 GG103200 500001-
JM6 GG10F200 500001-
JM6 GY103200 300001-
JM0 GG10R200 500001-
JM0 GY10R200 300001-

CONTENTS OF WIRING DIAGRAMS

- This manual comprises the sections shown below.

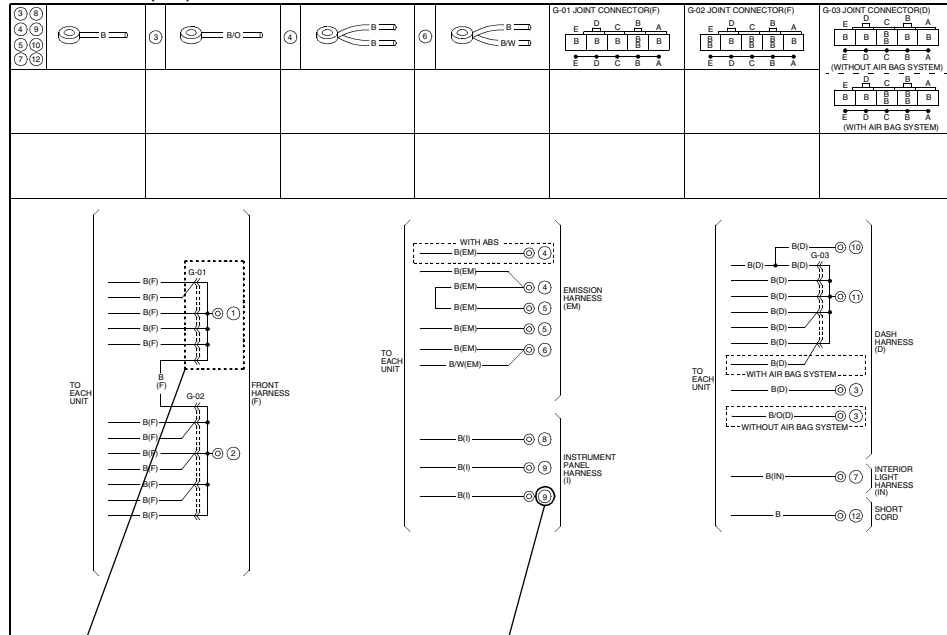
NEW				PREVIOUS		
GENERAL INFORMATION	00	R	Reading wiring diagrams	Shows circuit and connector diagrams and component and connector location diagrams	GI	General information of wiring diagrams
		P	Electrical system general procedures			
		E	Electrical wiring schematic		W	Electrical wiring schematic
		F	Fuse box complete wiring system		FB	Fuse block complete wiring system
		J	Joint box/Junction box complete wiring system		JB	Joint box complete wiring system
		C	Common connector list		X	Common connector list
		G	Ground point		Y	Ground point
		D	Data link connector		U	Data link connector
ENGINE	01	12	Cooling system		A	Charging system/Starting system
		14	Fuel system		B	Engine control system
		17	Charging system		C	Gauge control system
		18	Ignition system		D	Wiper system
		19	Starting system		E	Lighting system
		20	Cruise control system		F	Signal system
SUSPENSION	02	12	Wheel and tires		G	Air-conditioning system
DRIVELINE/AXLE	03	18	4-Wheel drive		H	Transmission control/Key interlock/Shift-lock system
BRAKES	04	13	Antilock brake system		I	Interior light system
		14	Traction control system		J	Audio/Radio system
		15	Dynamic stability control		K	Power window/Power door lock system
TRANSMISSION/TRANSAXLE	05	13	Automatic transmission		L	Remote control mirror system
		14	Automatic transmission shift mechanism		M	Sliding sunroof system
		17	Automatic transaxle		O	Anti-lock brake system
		18	Automatic transaxle shift mechanism		N	Electric power steering (EPS)
STEERING	06	13	Electric power steering (EPS)		P	Power seat/Seat warmer system
		14	Power steering		Q	Auto cruise control system
HEATER, VENTILATION & AIR CONDITIONING (HVAC)	07	40	Control system		S	Air bag system
RESTRAINTS	08	10	Air bag system		T	Others
		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	AI	Alphabetical Index	

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

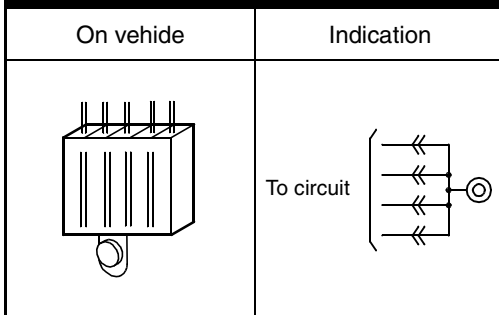
GROUND POINTS

- This shows ground points of the harness.

GROUND POINTS (4SD)



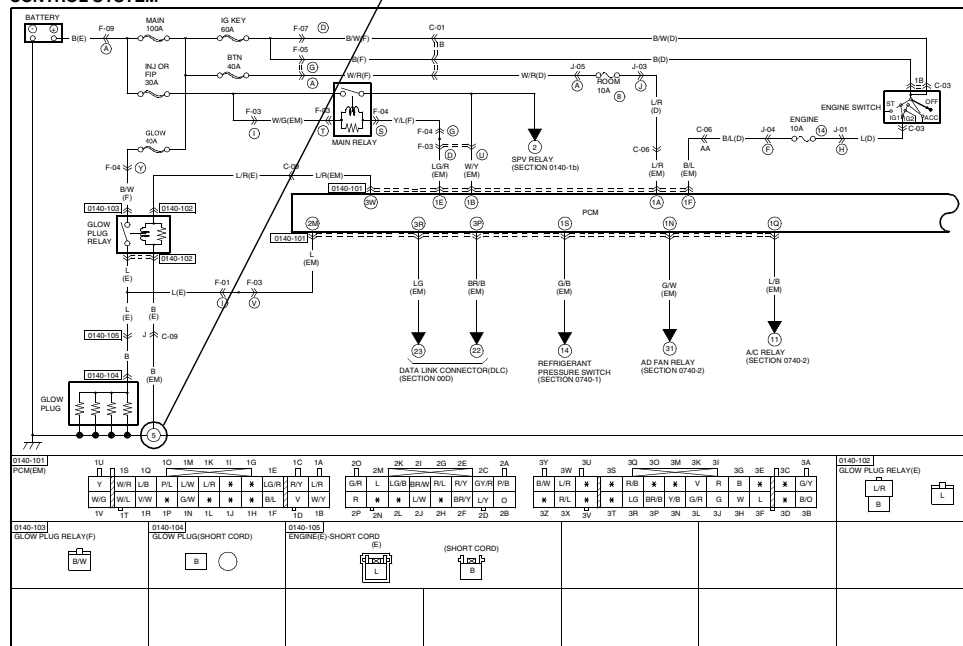
Ground indication



On circuit diagrams and ground points

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

CONTROL SYSTEM

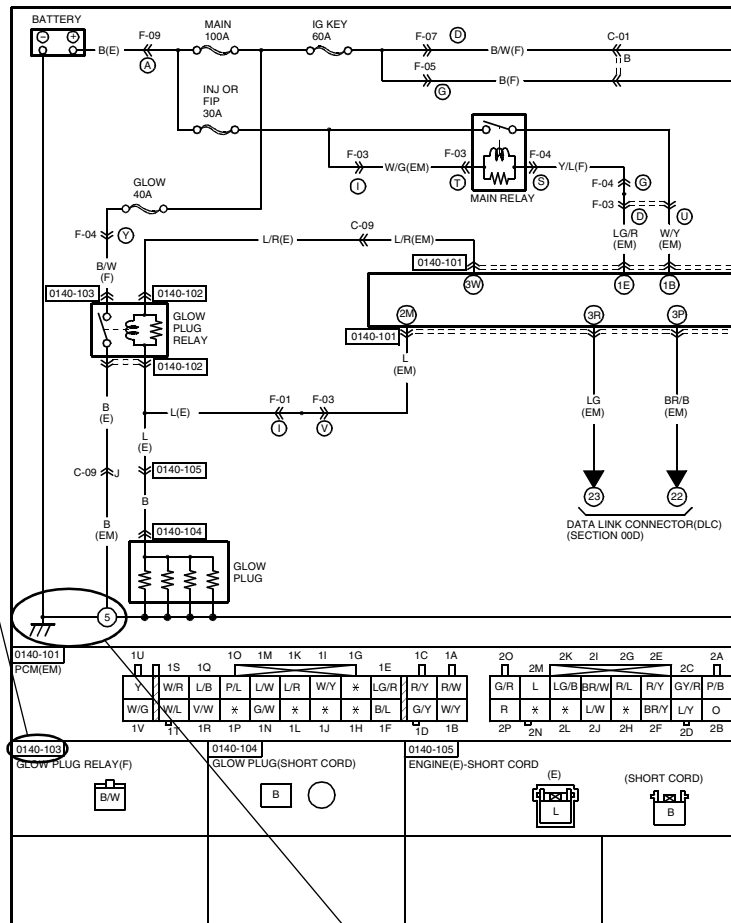


SYSTEM CIRCUIT DIAGRAM/CONNECTOR DIAGRAM

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

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

System name

CONTROL SYSTEM**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

Ground numbers

A harness ground is represented differently than a unit ground.

Types of grounds	Symbol
Harness 	
Unit 	
Sensor 	

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

System code

Multiplex communication

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

Current symbol

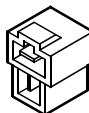

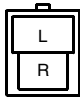
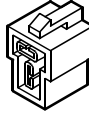

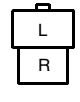
Current flows in the direction of the arrow.

Indicates shielded wire.*

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

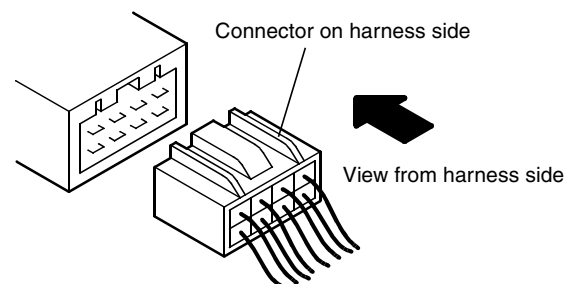
Connector symbols

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

		Circuit diagram symbol	Connector diagram symbol
Male			
Female			

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

(Example)



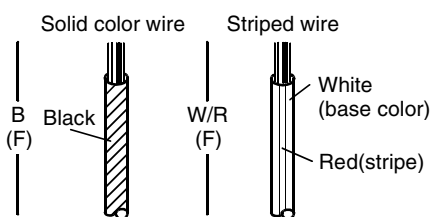
- Colors for connectors except white are given in locations.
- Unused terminals are indicated by *.

Wire color code (harness symbol)

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

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

Symbol
(Example)



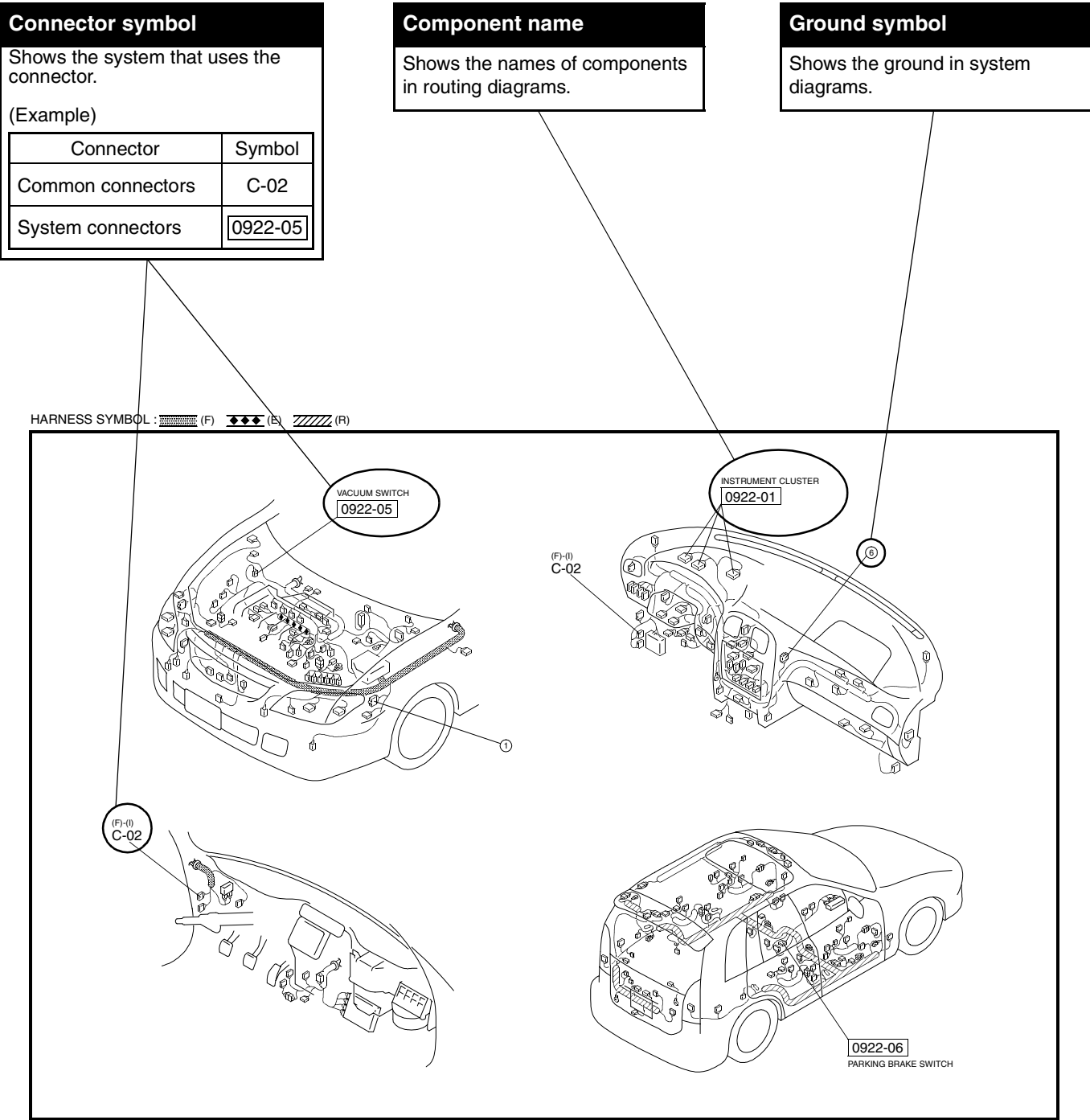
- The harness symbol is in () following the harness symbols (refer to P-9.).

00R

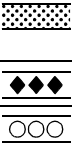

Reading Wiring Diagrams

ROUTING DIAGRAM

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



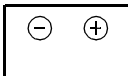

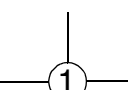

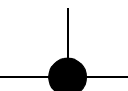


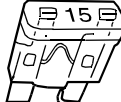
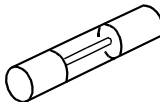
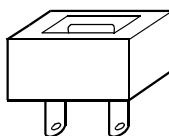
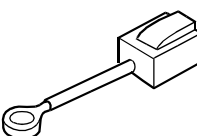




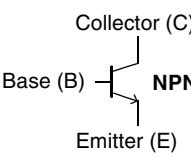


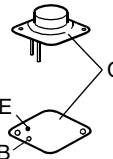


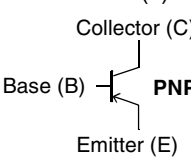
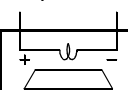
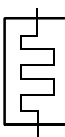
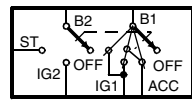
HARNESS SYMBOLS

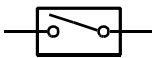

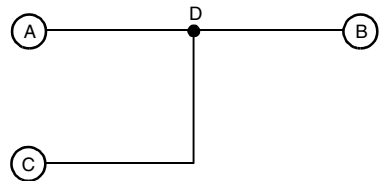


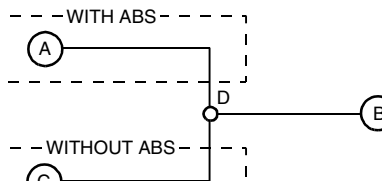
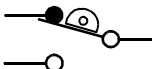
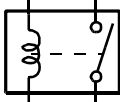
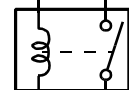
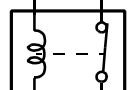
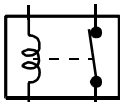
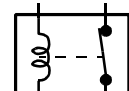
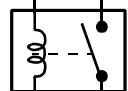

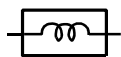



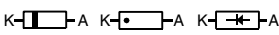



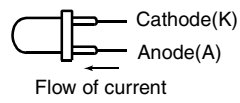
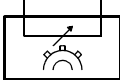



DESCRIPTION OF HARNESS	SYMBOL		DESCRIPTION OF HARNESS	SYMBOL	
FRONT HARNESS	(F)		DOOR No. 1 HARNESS	(DR1)	—
FRONT No. 2 HARNESS	(F2)		DOOR No. 2 HARNESS	(DR2)	
ENGINE HARNESS	(E)		DOOR No. 3 HARNESS	(DR3)	
DASH HARNESS	(D)		DOOR No. 4 HARNESS	(DR4)	
REAR HARNESS	(R)		FLOOR HARNESS	(FR)	—
REAR No. 2 HARNESS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

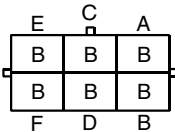
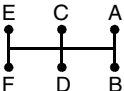
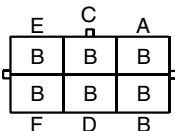
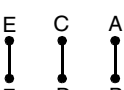
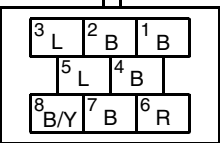

WIRING COLOR CODE

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

SYMBOLS

Symbol	Meaning	Symbol	Meaning
Battery 	<ul style="list-style-type: none">Generates electricity through chemical reaction.Supplies direct current to circuits.	Light 	<ul style="list-style-type: none">Emits light and generates heat when current flows through filament.
Ground (1) 	<ul style="list-style-type: none">Connecting point to vehicle body or other ground wire where current flows from positive to negative terminal of battery.Ground (1) indicates a ground point to body through wire harness.Ground (2) indicates point where component is grounded directly to body. <p>Remarks</p> <ul style="list-style-type: none">Current will not flow through a circuit if ground is faulty.		
Ground (2) 			
Ground (3) 			
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. <div><p><Blade type></p></div> <div><p><Tube type></p></div> <div><p><Cartridge type></p></div> <div><p><Fusible link></p></div>	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) 	<ul style="list-style-type: none">Electrical switching component.Turns on when voltage is applied to the base (B). <div><p>Collector indication mark</p></div> <div></div> <div></div> <td>Horn </td> <td><ul style="list-style-type: none">Generates sound when current flows.</td>	Horn 	<ul style="list-style-type: none">Generates sound when current flows.
Transistor (2) 		<ul style="list-style-type: none">Reading code. <div><p>2 S C 828 A</p><p>Semiconductor Number of terminals</p></div> <div><p>Revision mark</p><p>A: High-frequency PNP B: Low-frequency PNP C: High-frequency NPN D: Low-frequency NPN</p></div>	Speaker 
		Heater 	<ul style="list-style-type: none">Generates heat when current flows.
		Ignition switch 	<ul style="list-style-type: none">Turning ignition key switches circuit to operate various component. <p>(NOTE)</p> <p>Ignition switch is called engine switch on diesel vehicles.</p>

Symbol	Meaning	Symbol	Meaning
Switch (1)  Normally open	<ul style="list-style-type: none"> Allows or breaks current flow by opening and closing circuits. 	Harness Connection  When circuit C-D is connected to circuit A-B, the connection D is indicated by a black dot.	 For vehicles with ABS, use the A-B circuit.
Switch (2)  Normally closed		Selection  Diversion point D for the different circuits according to the vehicle's specification is indicated by a white dot.	 For vehicles without ABS, use the C-B circuit.
Autostop switch 	<ul style="list-style-type: none"> Automatically shuts off circuit when certain conditions are met. 		
Relay (1)  Normally open	<ul style="list-style-type: none"> Current flowing through coil produces electromagnetic force causing contact to open or close. <div> No current to coil  No flow </div> <div> Current to coil  Flow </div>		
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. 	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 (4) 	<ul style="list-style-type: none"> Detects pulse signals from rotating object. 	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.
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. 		

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

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	ANTI-LOCK BRAKING SYSTEM
ACC	ACCESSORIES
ACV	AIR CONTROL VALVE
ADD	ADDITIONAL
AIS	AIR INJECTION SYSTEM
ALL	AUTOMATIC LOAD LEVELING
AM	AMPLITUDE MODULATION
AMP	AMPLIFIER
ANT	ANTENNA
ASV	AIR SUPPLY VALVE
AT	AUTOMATIC TRANSMISSION
ATX	AUTOMATIC TRANSAXLE
B+	BATTERY POSITIVE VOLTAGE
BAC	BYPASS AIR CONTROL
CAN	CONTROLLER AREA NETWORK
CIGAR	CIGARETTE
CIS	CONTINUOUS FUEL INJECTION SYSTEM
CKP	CRANKSHAFT POSITION SENSOR
CM	CONTROL MODULE
CMP	CAMSHAFT POSITION SENSOR

COMBI	COMBINATION
CON	CONDITIONER
CONT	CONTROL
CPU	CENTRAL PROCESSING UNIT
DEF	DEFROSTER
DI	DISTRIBUTOR IGNITION
DLC	DATA LINK CONNECTOR
DLI	DISTRIBUTORLESS IGNITION
DOHC	DOUBLE-OVERHEAD CAMSHAFT
DRL	DAYTIME RUNNING LIGHT
DTC	DIAGNOSTIC TROUBLE CODE(S)
DTM	DIAGNOSTIC TEST MODE
ECPS	ELECTRONICALLY CONTROLLED POWER STEERING
ECT	ENGINE CONTROL TEMPERATURE
EGR	EXHAUST GAS RECIRCULATION
EHPAS	ELECTRO HYDRAULIC POWER ASSIST STEERING
EI	ELECTRONIC IGNITION
ELEC	ELECTRIC
ELR	EMERGENCY LOCKING RETRACTOR
ET	ELECTRONIC THROTTLE
EPS	ELECTRIC POWER STEERING
EVAP	EVAPORATIVE EMISSION
F	FRONT
F/I	FUEL INJECTOR
FICB	FAST-IDLE CAM BREAKER

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

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

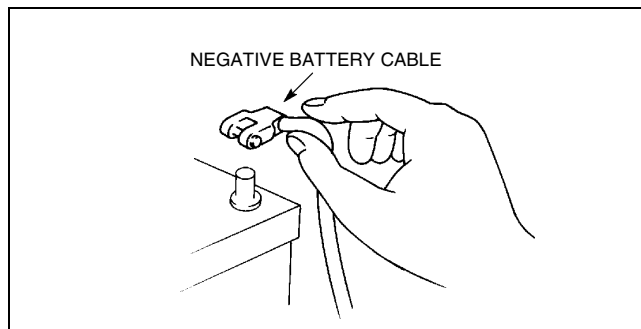
00P Electrical System General Procedures

ELECTRICAL PARTS

B6U000000006W03

Battery Cable

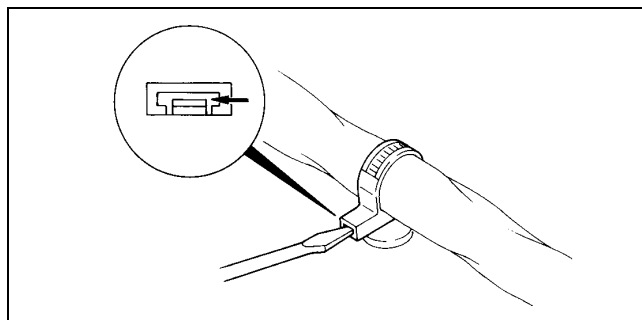
- Before disconnecting connectors or removing electrical parts, disconnect the negative battery cable.



WGIWXX0007E

Wiring Harness

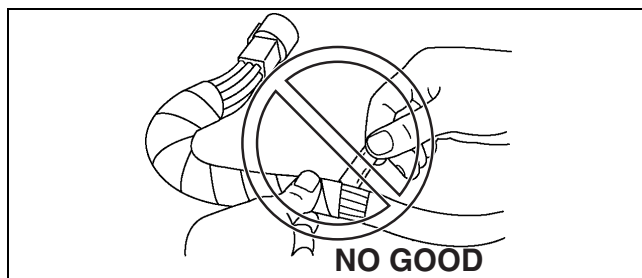
- To remove the wiring harness from the clip in the engine room, pry up the hook of the clip using a flathead screwdriver.



WGIWXX00039E

Caution

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



WGIWXX00040E

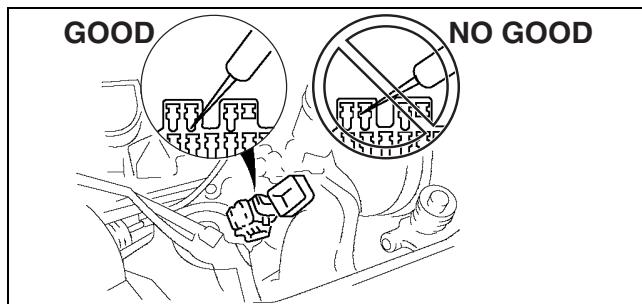
CONNECTORS

Data Link Connector

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

Caution

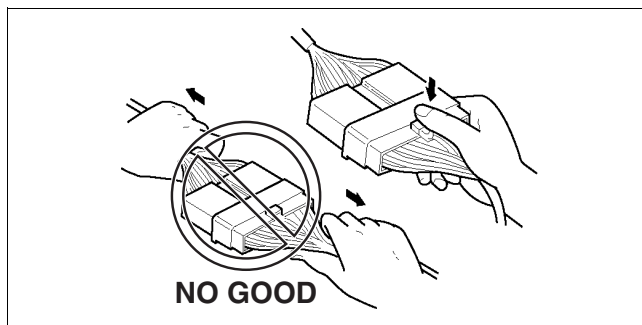
- Inserting a jumper wire probe into the data link connector terminal may damage the terminal.



X3U000WAY

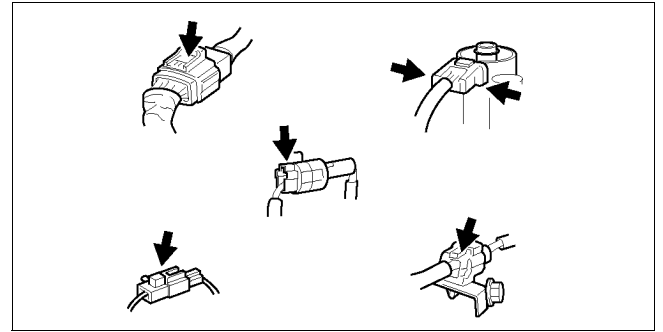
Disconnecting Connectors

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



WGIWXX00041E

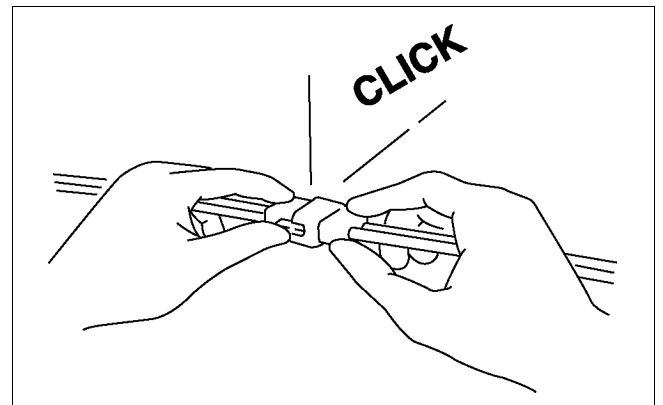
- Connectors can be disconnected by pressing or pulling the lock lever as shown.



WGIWXX0042E

Locking Connector

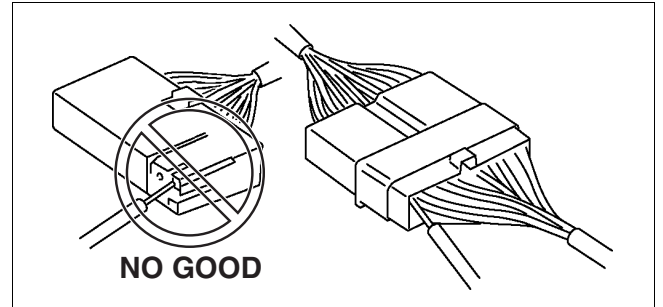
- When locking connectors, listen for a click indicating they are securely locked.



X3U000WB1

Inspection

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

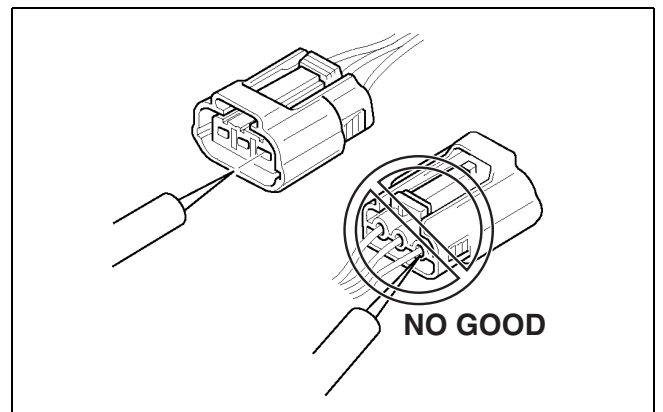


WGIWXX0044E

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

Caution

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



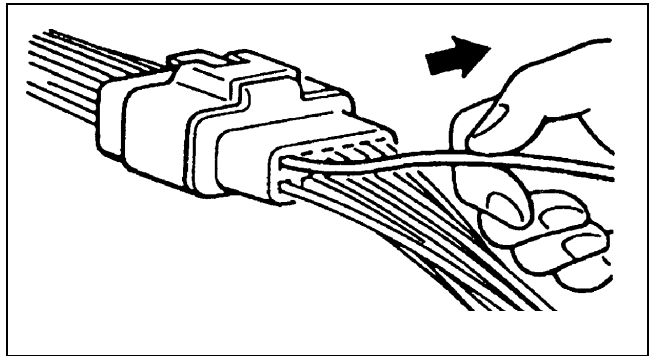
WGIWXX0045E

00P Electrical System General Procedures

Terminals

Inspection

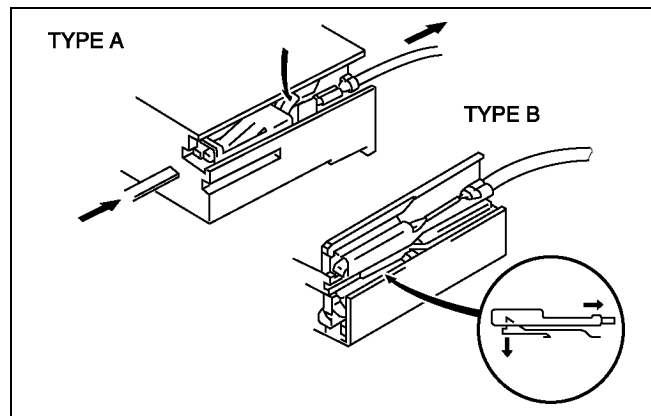
- Pull lightly on individual wires to verify that they are secured in the terminal.



X3U000WB4

Replacement

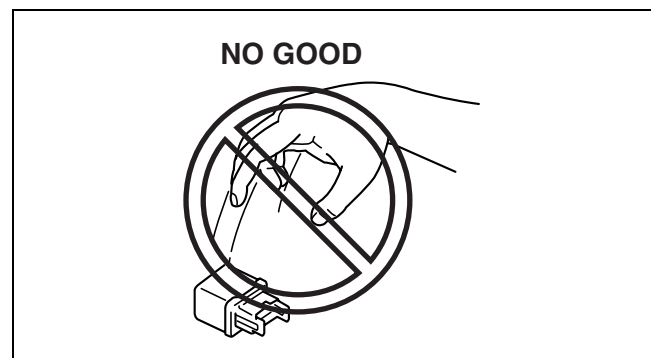
- Use the appropriate tools to remove a terminal as shown. When installing a terminal, be sure to insert it until it locks securely.
- Insert a thin piece of metal from the terminal side of the connector and with the terminal locking tab pressed down, pull the terminal out from the connector.



X3U000WB5

Sensors, Switches, And Relays

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

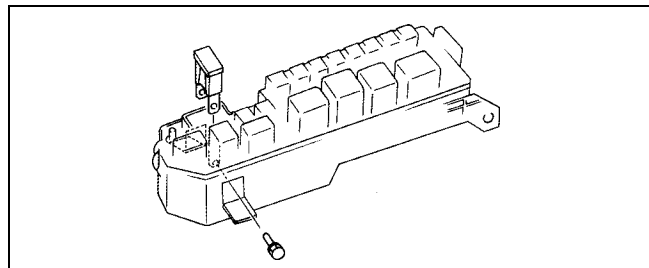


X3U000WB6

Fuse

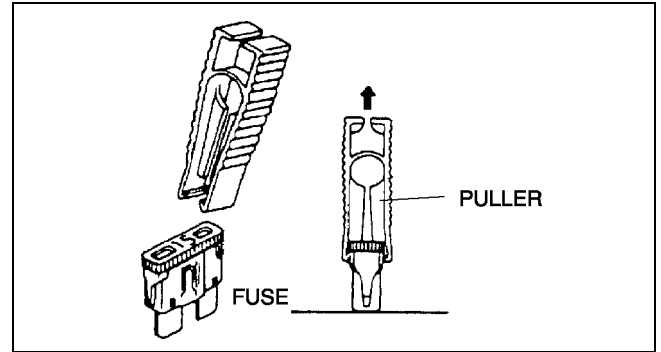
Replacement

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



YMU000WA1

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



YMU000WAK

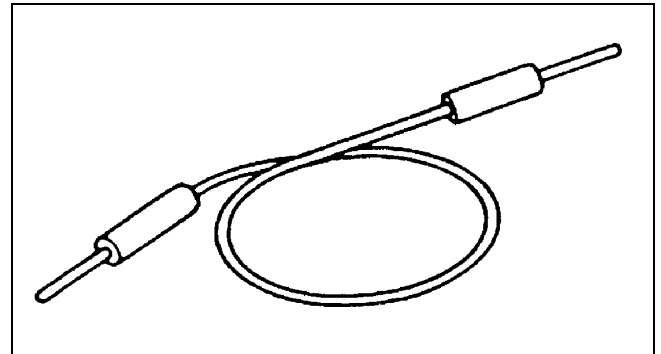
ELECTRICAL TROUBLESHOOTING TOOLS

Jumper Wire

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

Caution

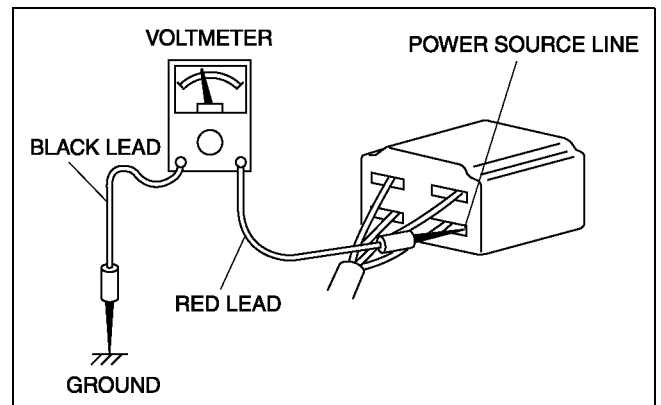
- Do not connect a jumper wire from the power source line to a body ground. This may cause burning or other damage to wiring harnesses or electronic components.**



X3U000WBB

Voltmeter

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



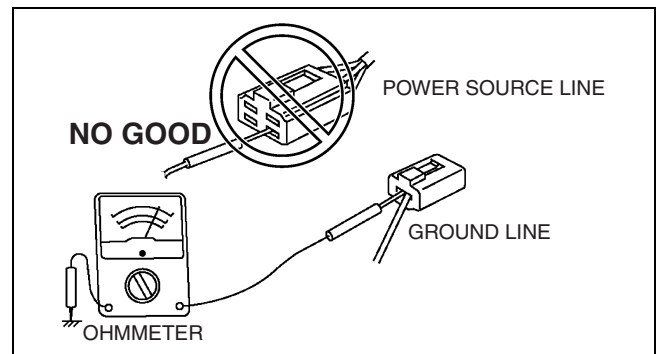
X3U000WBC

Ohmmeter

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

Caution

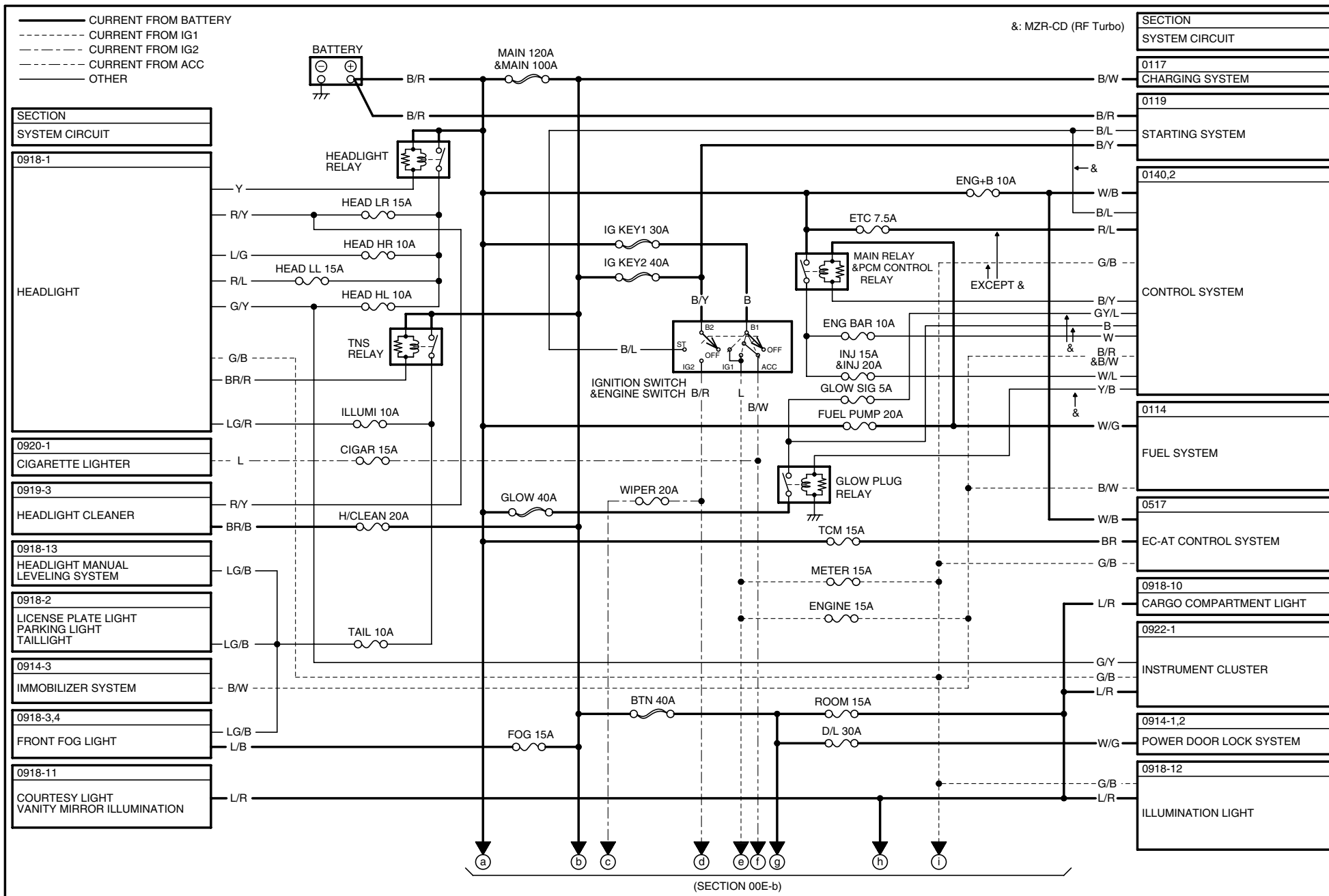
- Do not connect the ohmmeter to any circuit where voltage is applied. This will damage the ohmmeter.**



YMU000WAL

ELECTRICAL WIRING SCHEMATIC

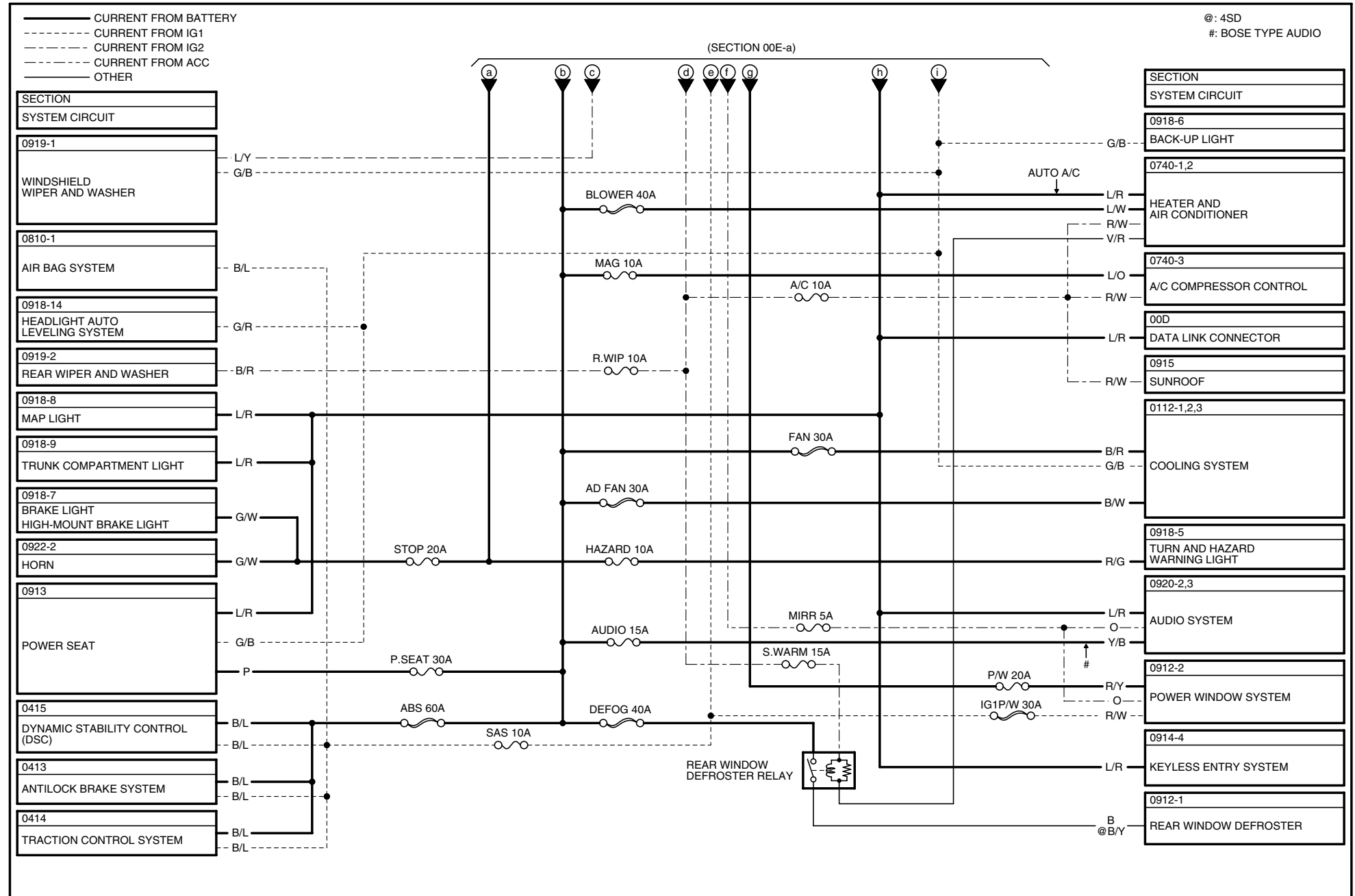
00E-a



Mazda6 Wiring Diagram (5645-1*-05F)

ELECTRICAL WIRING SCHEMATIC

19

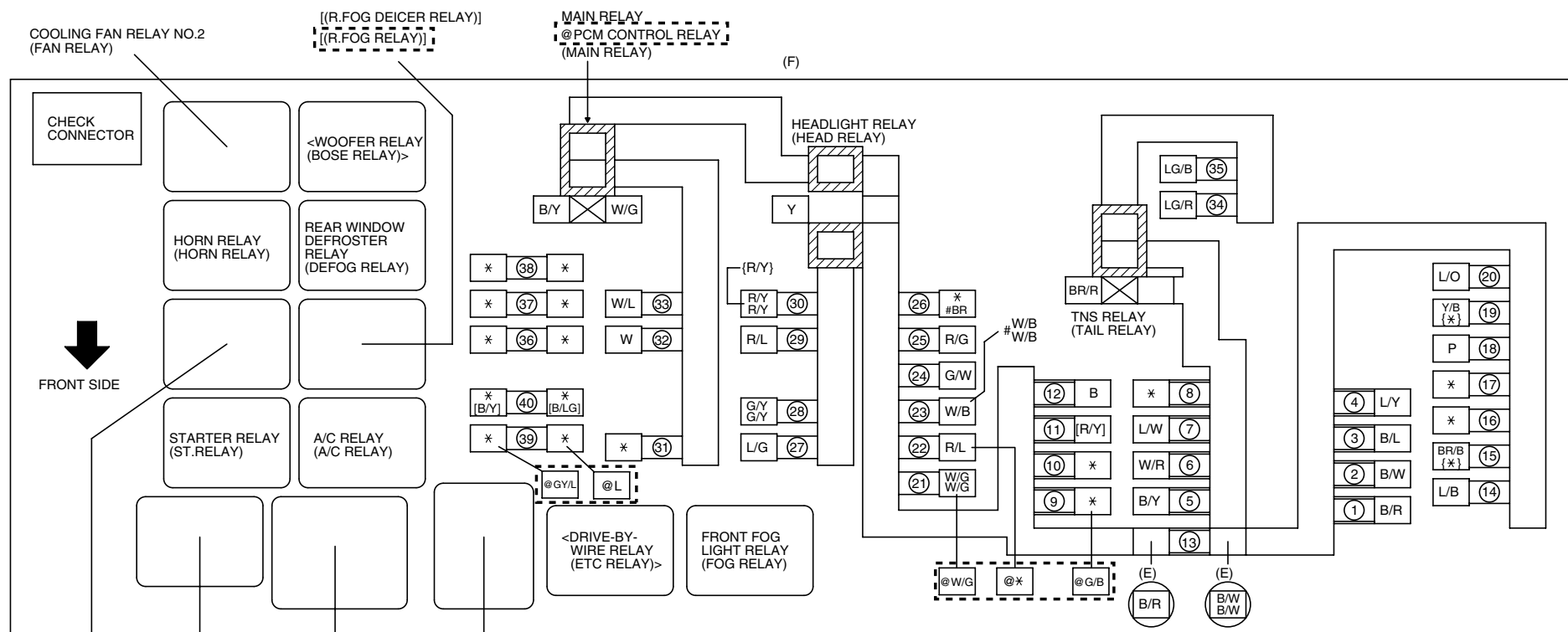


00E-b

FUSE BOX

00F-1

F-01 MAIN FUSE BLOCK

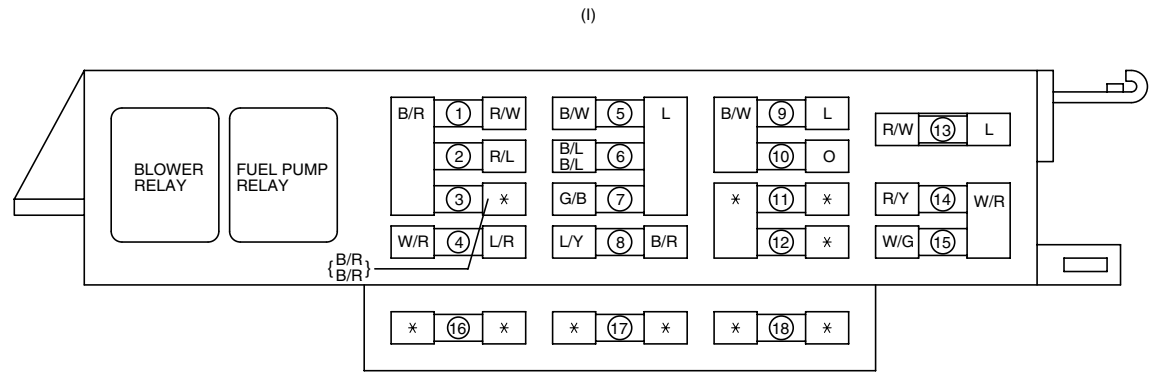


①	FAN 30A	⑪	[P/W 30A] [P.WIND 30A]	⑳	MAG 10A	㉑	FUEL PUMP 20A	㉓	—
②	AD FAN 30A	⑫	IG KEY1 30A	㉒	<P.SEAT 30A>	㉔	<ETC 7.5A>	㉕	ENG BAR 10A
③	ABS 60A	⑬	MAIN 120A @MAIN 100A	㉓	<AUDIO 15A>	㉖	ENG+B 10A	㉗	INJ 15A @INJ 20A
④	DEFOG 40A	⑭	FOG 15A	㉔	MAG 10A	㉘	STOP 20A	㉙	ILLUMI 10A
⑤	IG KEY2 40A	⑮	<H/CLEAN 20A>	㉕	<P.WIND 30A>	㉚	HAZARD 10A	㉛	TAIL 10A
⑥	BTN 40A	⑯	[DEICER 15A]	㉖	<TCM 15A>	㉜	<TCM 15A>	㉝	SPARE 10A
⑦	BLOWER 40A	⑰	—	㉗	HEAD HL 10A	㉞	HEAD HR 10A	㉟	SPARE 15A
⑧	[HEATER 20A]	⑱	<P.SEAT 30A>	㉘	HEAD LL 15A	㊱	HEAD LR 15A	㊲	SPARE 20A
⑨	<GLOW 40A>	㉒	<AUDIO 15A>	㉙	<GLOW SIG 5A>	㊳	—	㊴	—
⑩	—	㉓	MAG 10A	㉚	[M.DEF 7.5A]	㊵	—	㊶	—

{ } GENERAL (R.H.D.) SPECS.
() NAME INDICATED ON FUSE BOX COVER
< > IF EQUIPPED
[] NOT USED
#: ATX
@: MZR-CD (RF Turbo)
*: VACANT

FUSE BOX

F-02 FUSE BLOCK

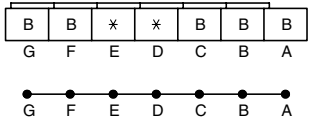


①	A/C 10A	⑩	MIRR 5A
②	S.WARM 15A	⑪	—
③	#R.WIP 10A	⑫	—
④	ROOM 15A	⑬	IG1P/W 30A
⑤	ENGINE 15A	⑭	P/W 20A
⑥	SAS 10A	⑮	D/L 30A
⑦	METER 15A	⑯	SPARE 20A
⑧	WIPER 20A	⑰	SPARE 15A
⑨	CIGAR 15A	⑱	SPARE 10A

{ } WITH REAR WIPER AND WASHER
#: IF EQUIPPED
*: VACANT

COMMON CONNECTOR LIST

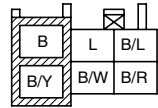
C-01 JOINT CONNECTOR(I)



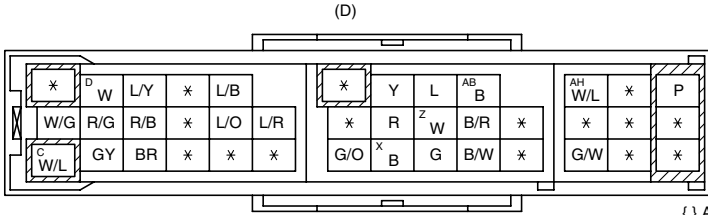
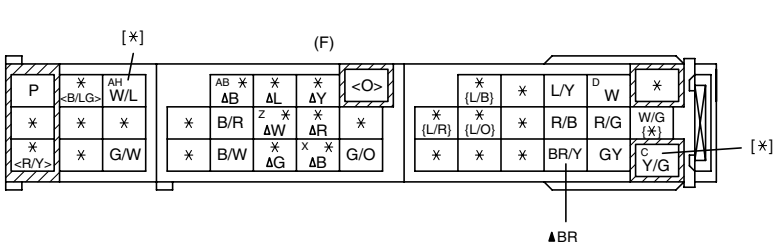
* : VACANT

(BOSE TYPE AUDIO)

C-02 IGNITION SWITCH(I) ← EXCEPT MZR-CD (RF Turbo)
ENGINE SWITCH(I) ← MZR-CD (RF Turbo)

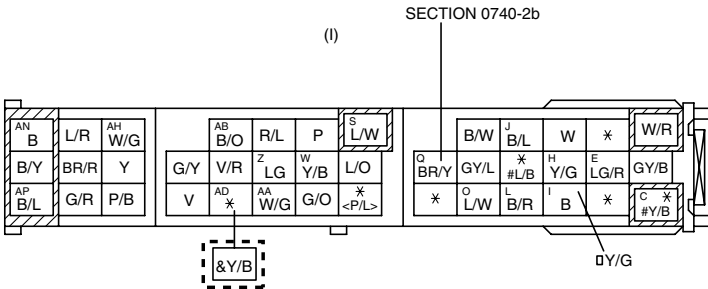
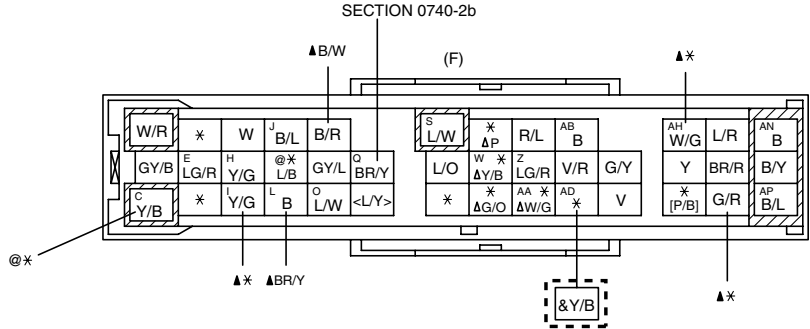


C-03 FRONT(F)-DASH(D)



{ } ATX
< > NOT USED
Δ: WITH DSC
[] ATX OR MZR-CD (RF Turbo)
▲: MZR-CD (RF Turbo)
*: VACANT

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

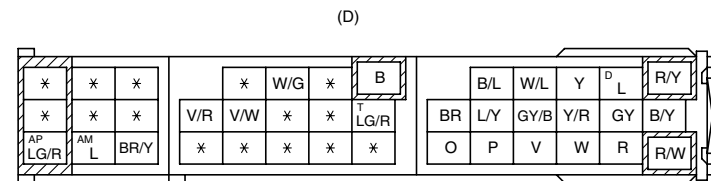


[] WITH TCS OR DSC
{ } ATX
< > NOT USED
#: BOSE TYPE AUDIO
@: GENERAL (R.H.D.) SPECS.

[& : WITH CHECK CONNECTOR E TERMINAL
Δ: WITH DSC
D: WITH IMMOBILIZER SYSTEM
▲: MZR-CD (RF Turbo)
*: VACANT

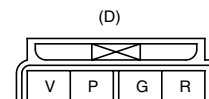
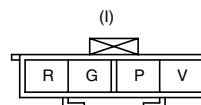
COMMON CONNECTOR LIST

<p>C-05 FRONT(F)-INSTRUMENT PANEL(I)</p> <p>{ } WITH IMMOBILIZER SYSTEM @: WITH REAR WIPER AND WASHER <> NOT USED #: WITH IMMOBILIZER SYSTEM Δ: GENERAL (R.H.D.) SPECS. &: WITH HEADLIGHT CLEANER ▲: MZR-CD (RF Turbo) *: VACANT</p>	<p>C-06 FRONT(F)-REAR(R)</p> <p>(R)</p> <p><L/Y> B</p> <p><> NOT USED @: WITH HEADLIGHT AUTO LEVELING SYSTEM ■: WAGON Δ: GENERAL (R.H.D.) SPECS. *: VACANT ▲: MZR-CD (RF Turbo)</p>
<p>C-08 FRONT(F)-ENGINE(E)</p> <p>(E)</p> <p>(EXCEPT MZR-CD(RF Turbo))</p> <p>[] LF { } ATX *: VACANT</p>	
<p>(E)</p> <p>(MZR-CD(RF Turbo))</p> <p>*: VACANT</p>	
<p>C-09 FRONT(F)-INJECTION(INJ)</p> <p>(INJ)</p> <p>(F)</p>	

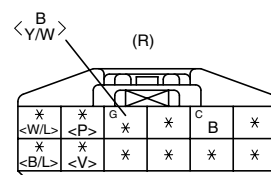
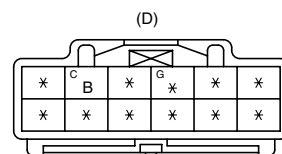


{ } BOSE TYPE AUDIO
*: VACANT

C-12 INSTRUMENT PANEL(I)-DASH(D)

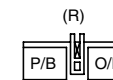
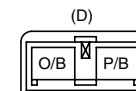


C-14 DASH(D)-REAR(R)



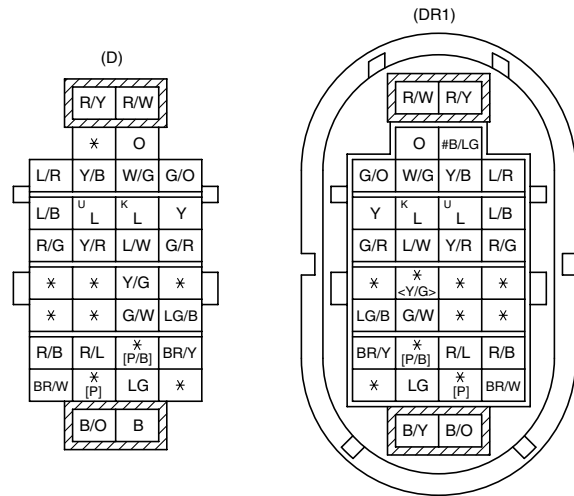
< > NOT USED
*: VACANT

C-15 DASH(D)-REAR(R)



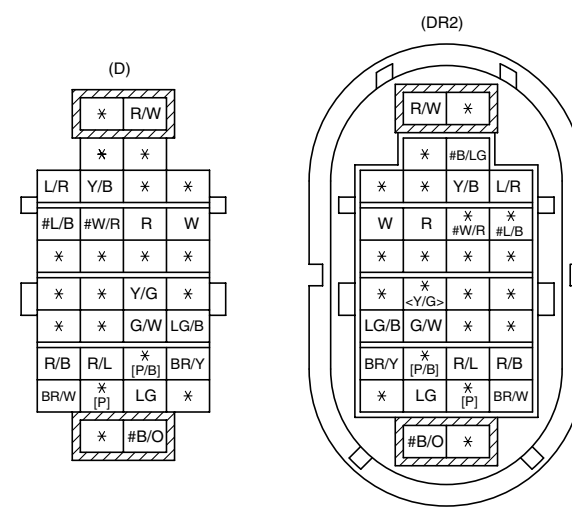
COMMON CONNECTOR LIST

C-16 DASH(D)-DOOR NO.1(DR1)



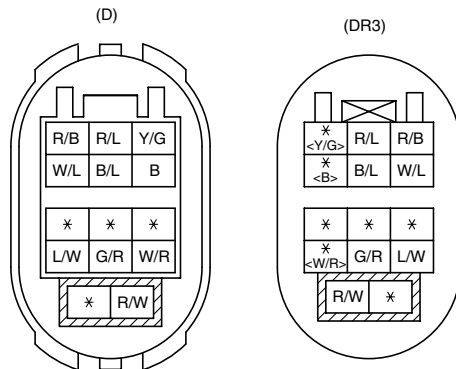
[] WITH RETRACTABLE OUTER MIRROR
{ } WITH HEATED OUTER MIRROR
< > WITH DOUBLE LOCKING SYSTEM
#: NOT USED
*: VACANT

C-17 DASH(D)-DOOR NO.2(DR2)



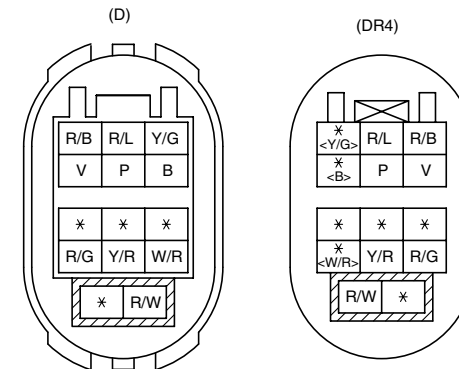
[] WITH RETRACTABLE OUTER MIRROR
{ } WITH HEATED OUTER MIRROR
< > WITH DOUBLE LOCKING SYSTEM
#: NOT USED
*: VACANT

C-18 DASH(D)-DOOR NO.3(DR3)



< > WITH DOUBLE LOCKING SYSTEM
*: VACANT

C-19 DASH(D)-DOOR NO.4(DR4)



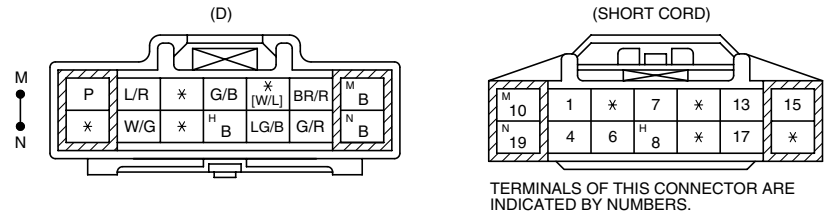
< > WITH DOUBLE LOCKING SYSTEM
*: VACANT

COMMON CONNECTOR LIST

C-20 REAR(R)-INTERIOR LIGHT(IN)		C-21 REAR(R)-REAR NO.2(R2)	C-22 REAR(R)-REAR NO.2(R2)																																																																																													
<div><div>(R)</div><table><tr><td>*</td><td>*</td><td>*[BR]</td><td>L/R</td><td>Y/B</td><td>B</td></tr><tr><td>R/W</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td></tr></table></div> <div><div>(IN)</div><table><tr><td>B</td><td>Y/B</td><td>L/R</td><td>*[BR]</td><td>*</td><td>*</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*(R/W)</td></tr></table></div>		*	*	*[BR]	L/R	Y/B	B	R/W	*	*	*	*	*	B	Y/B	L/R	*[BR]	*	*	*	*	*	*	*	*(R/W)	<div><div>(R)</div><table><tr><td>A</td><td>C</td><td>*G</td><td>I</td><td>*</td></tr><tr><td>LG/B</td><td>R/Y</td><td><L/Y></td><td>BR</td><td>*</td></tr><tr><td>B</td><td>D</td><td>*</td><td>*</td><td>L</td></tr><tr><td>G/Y</td><td>*</td><td>*</td><td>*</td><td>B</td></tr></table></div> <div><div>(R2)</div><table><tr><td>*</td><td>I</td><td>*G</td><td>*</td><td>C</td><td>A</td></tr><tr><td>L</td><td></td><td>B</td><td>*</td><td>D</td><td>B</td></tr><tr><td>B</td><td>*</td><td>*</td><td>*</td><td></td><td>B</td></tr></table></div>	A	C	*G	I	*	LG/B	R/Y	<L/Y>	BR	*	B	D	*	*	L	G/Y	*	*	*	B	*	I	*G	*	C	A	L		B	*	D	B	B	*	*	*		B	<div><div>(R)</div><table><tr><td>R/L</td><td>R/B</td></tr><tr><td>A</td><td>B</td></tr></table></div> <div><div>(R2)</div><table><tr><td>B</td><td>B</td></tr><tr><td>B</td><td>A</td></tr></table></div>	R/L	R/B	A	B	B	B	B	A																							
*	*	*[BR]	L/R	Y/B	B																																																																																											
R/W	*	*	*	*	*																																																																																											
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*	*	*	*	*	*(R/W)																																																																																											
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G/Y	*	*	*	B																																																																																												
*	I	*G	*	C	A																																																																																											
L		B	*	D	B																																																																																											
B	*	*	*		B																																																																																											
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(EXCEPT 5HB)		(4SD)	(4SD)																																																																																													
[] WAGON { } WITH SUNROOF *: VACANT		< > NOT USED *: VACANT																																																																																														
C-26 INSTRUMENT PANEL(I)-SHORT CORD																																																																																																
<div><div>(I)</div><table><tr><td>A</td><td>B</td><td>E</td><td>G</td><td>*</td><td>I</td><td>K</td><td>R</td><td>*</td><td>O</td><td>B/R</td><td>Q</td><td>L</td><td>S</td><td>R</td><td>W/L</td><td>V</td></tr><tr><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>J</td><td>R</td><td>L</td><td>W</td><td>*</td><td>P</td><td>BR</td><td>R</td><td>Y</td><td>T</td><td>W</td><td>B/L</td></tr><tr><td>B</td><td>*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>P</td></tr></table></div> <div><div>(SHORT CORD)</div><table><tr><td>W/L</td><td>V</td><td>S</td><td>L</td><td>Q</td><td>R</td><td>O</td><td>R</td><td>*</td><td>K</td><td>B</td><td>I</td><td>B</td><td>*</td></tr><tr><td>B/L</td><td>P</td><td>T</td><td>Y</td><td>R</td><td>W</td><td>P</td><td>G</td><td>*</td><td>L</td><td>W</td><td>J</td><td>G</td><td>*</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table></div>				A	B	E	G	*	I	K	R	*	O	B/R	Q	L	S	R	W/L	V	*	*	*	*	*	J	R	L	W	*	P	BR	R	Y	T	W	B/L	B	*															P	W/L	V	S	L	Q	R	O	R	*	K	B	I	B	*	B/L	P	T	Y	R	W	P	G	*	L	W	J	G	*														
A	B	E	G	*	I	K	R	*	O	B/R	Q	L	S	R	W/L	V																																																																																
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(BOSE TYPE AUDIO)																																																																																																
< > NOT USED *: VACANT																																																																																																
C-29 REAR(R)-SHORT CORD																																																																																																
<div><div>(R)</div><table><tr><td>L/R</td><td>B</td><td>B/R</td></tr><tr><td>B/O</td><td>*</td><td>BR</td></tr></table></div> <div><div>(SHORT CORD)</div><table><tr><td>Y</td><td>B</td><td>L/R</td></tr><tr><td>BR</td><td>*</td><td>B/O</td></tr></table></div>				L/R	B	B/R	B/O	*	BR	Y	B	L/R	BR	*	B/O	<div><div>(R)</div><table><tr><td>B/R</td><td>BR</td><td>B</td><td>L/R</td></tr></table></div> <div><div>(SHORT CORD)</div><table><tr><td>L/R</td><td>B</td><td>BR</td><td>B/R</td></tr></table></div>	B/R	BR	B	L/R	L/R	B	BR	B/R																																																																								
L/R	B	B/R																																																																																														
B/O	*	BR																																																																																														
Y	B	L/R																																																																																														
BR	*	B/O																																																																																														
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L/R	B	BR	B/R																																																																																													
*: VACANT																																																																																																
(5HB/BOSE TYPE AUDIO)		(4SD/BOSE TYPE AUDIO)																																																																																														

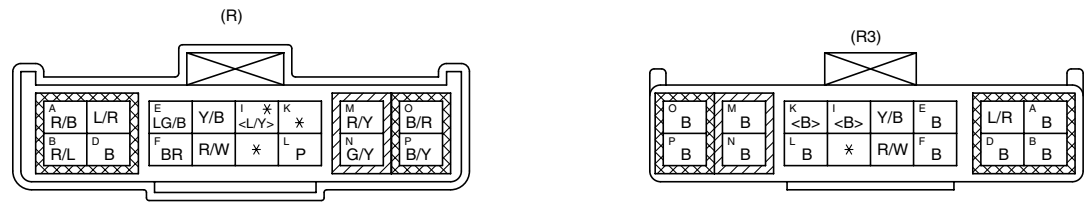
COMMON CONNECTOR LIST

C-30 DASH(D)-SHORT CORD



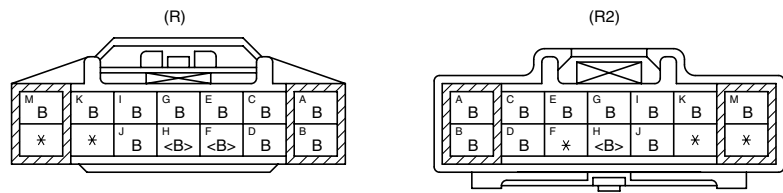
(WITH POWER SEAT) [] NOT USED
*: VACANT

C-31 REAR(R)-REAR NO.3(R3)



< > NOT USED
*: VACANT

C-32 REAR(R)-REAR NO.2(R2)



(WAGON) < > NOT USED
*: VACANT

C-33 DASH(D)-SHORT CORD



(EXCEPT WAGON) [] 5HB

C-34 DASH(D)-REAR(R)

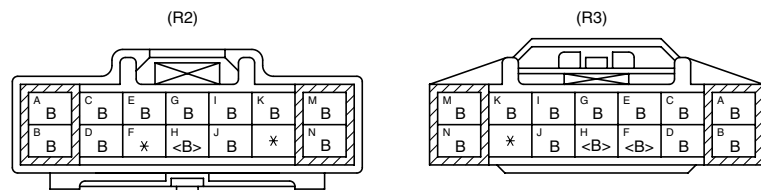


(WAGON)

COMMON CONNECTOR LIST

00C-7

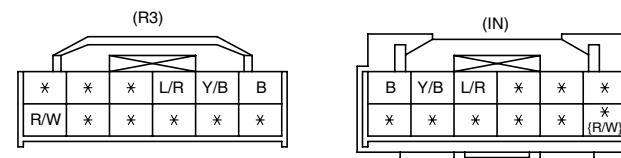
C-35 REAR NO.2(R2)-REAR NO.3(R3)



(5HB)

< > NOT USED
*: VACANT

C-36 REAR NO.3(R3)-INTERIOR LIGHT(IN)



(5HB)

{ } WITH SUNROOF
*: VACANT

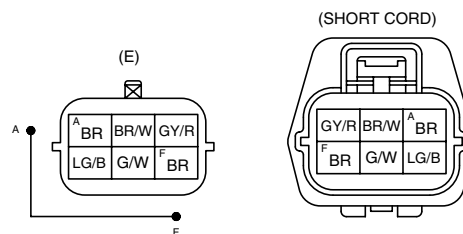
C-37 INSTRUMENT PANEL(I)-SHORT CORD



(BOSE TYPE AUDIO)

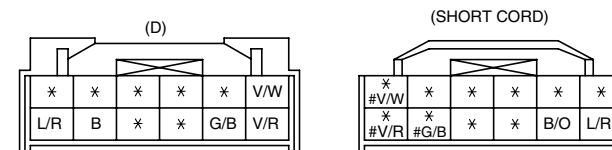
*: VACANT

C-39 ENGINE(E)-SHORT CORD



(MZR-CD(RF Turbo))

C-40 DASH(D)-SHORT CORD



#: WITH AUTO WIPER SYSTEM
*: VACANT

C-42 REAR(R)-SHORT CORD



(WITH HEADLIGHT AUTO LEVELING SYSTEM)

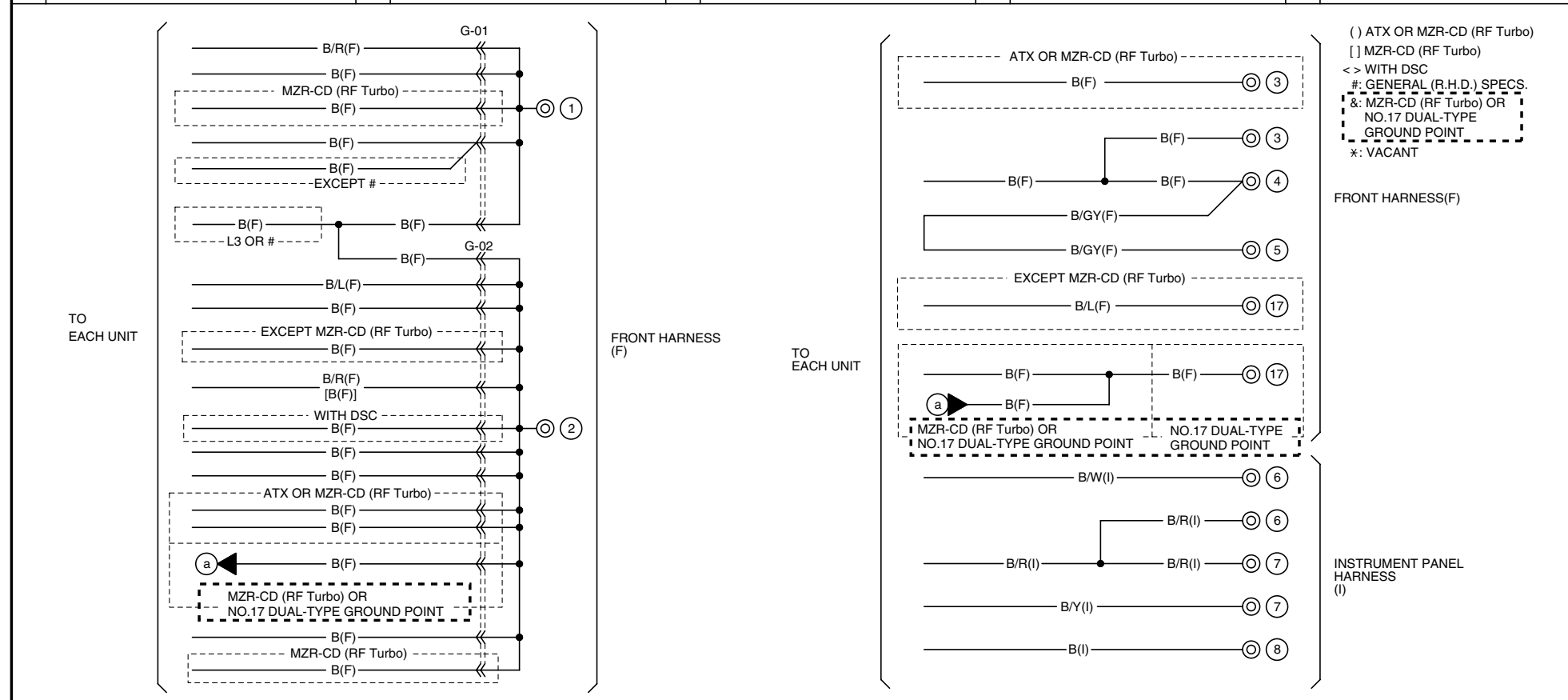
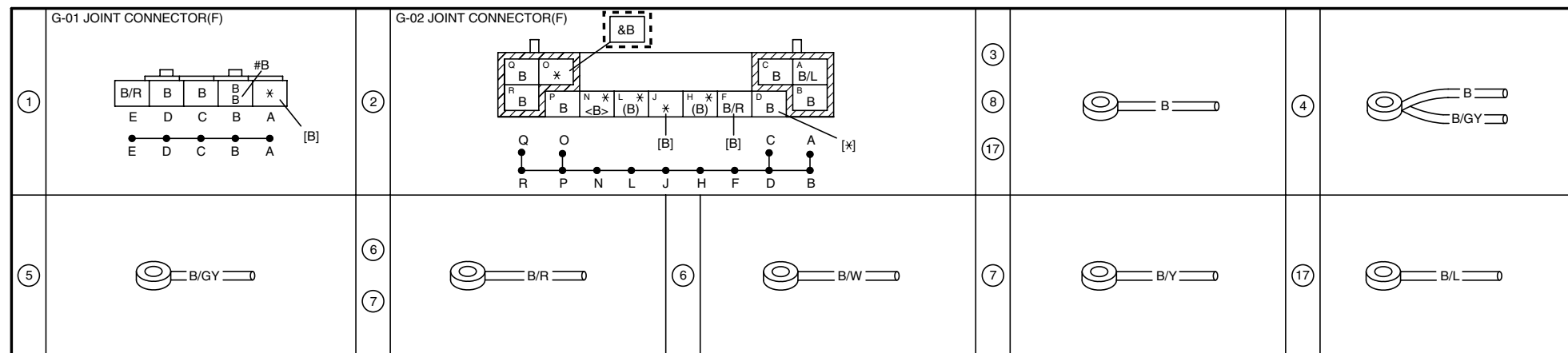
C-44 FRONT(F)-SHORT CORD



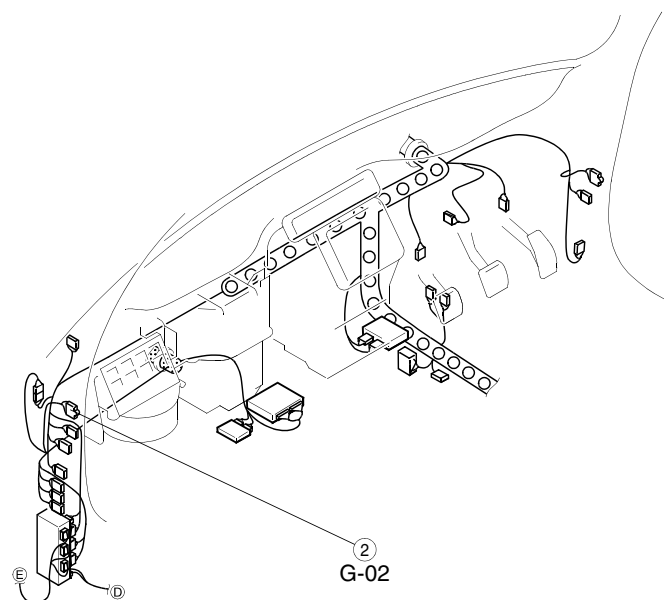
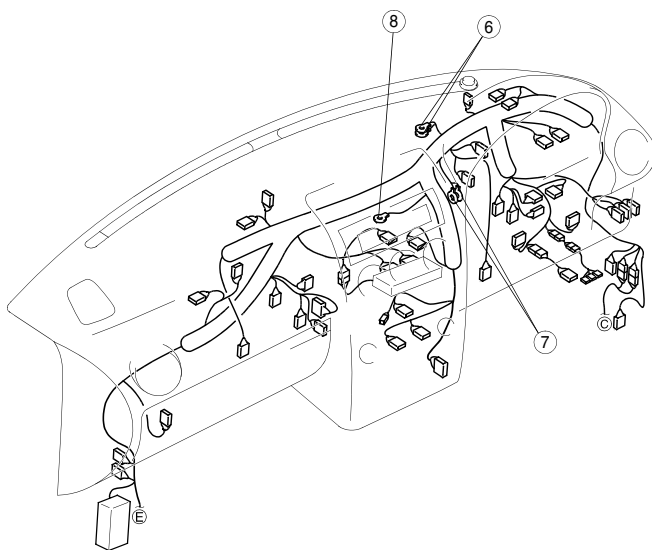
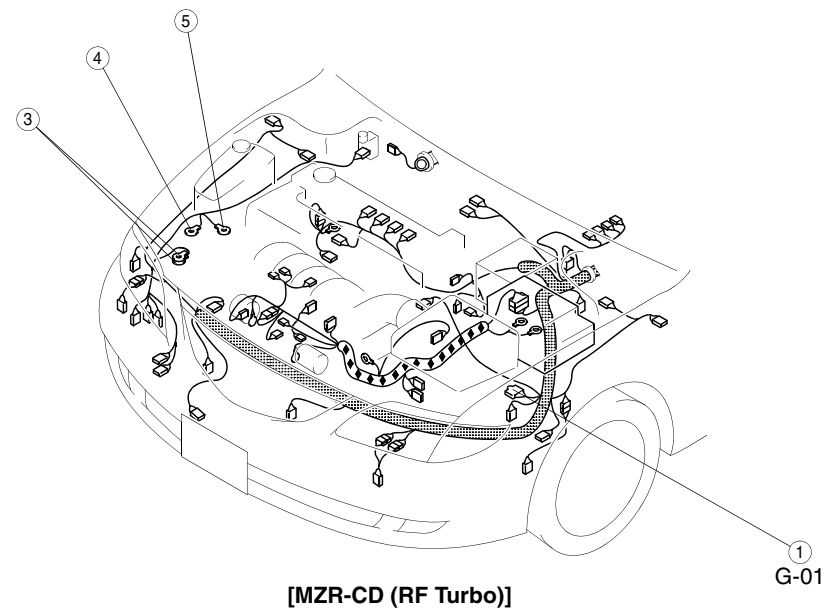
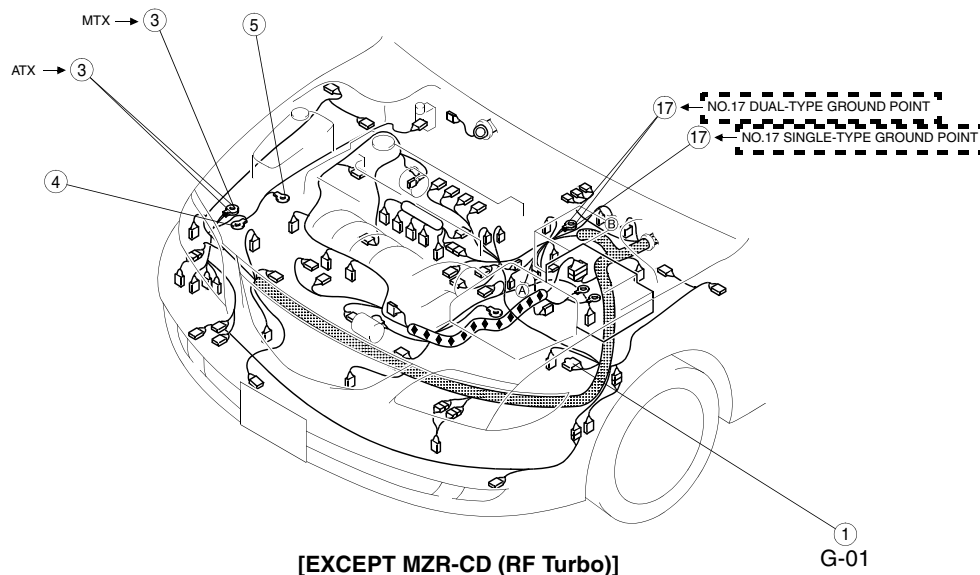
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GROUND POINT

00G-a

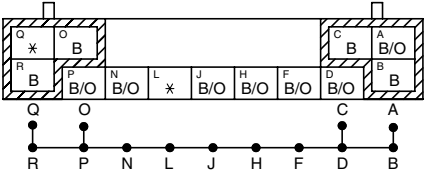
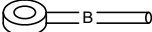
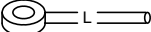



HARNESS SYMBOL :  (F)  (E)  (D)  (R)

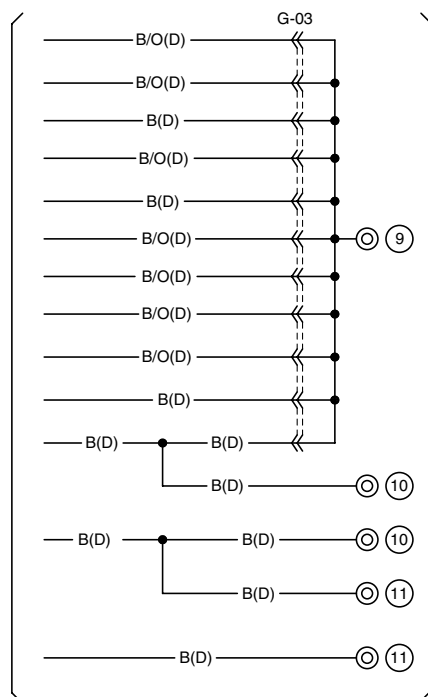


GROUND POINT

00G-b

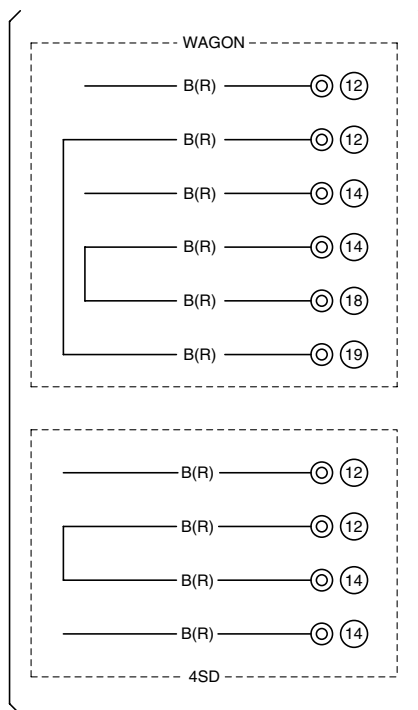
<p>9</p>	<p>G-03 JOINT CONNECTOR(D)</p> 	<p>10 18 11 19 12 20 14 21 15</p> 	<p>22 23</p>  <p>(ATX)</p>	<p>22</p>  <p>(ATX)</p>	

* : VACANT

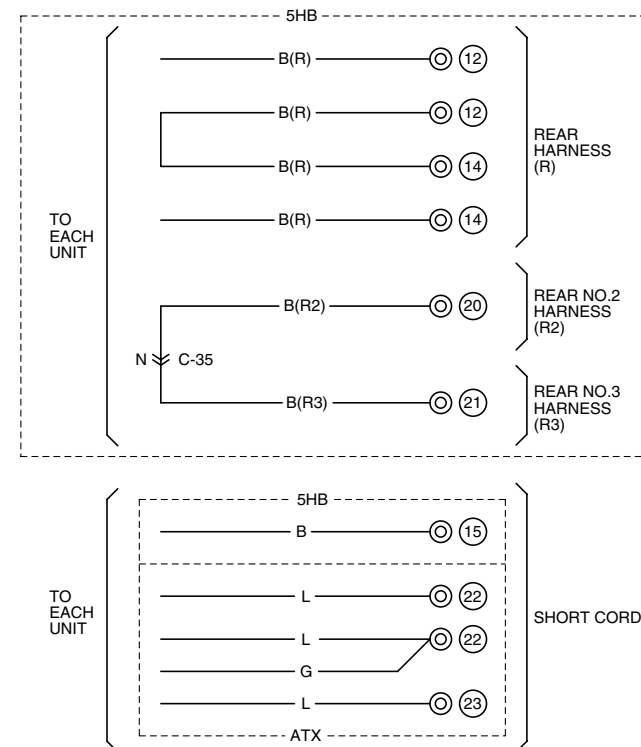


DASH HARNESS (D)

TO EACH UNIT

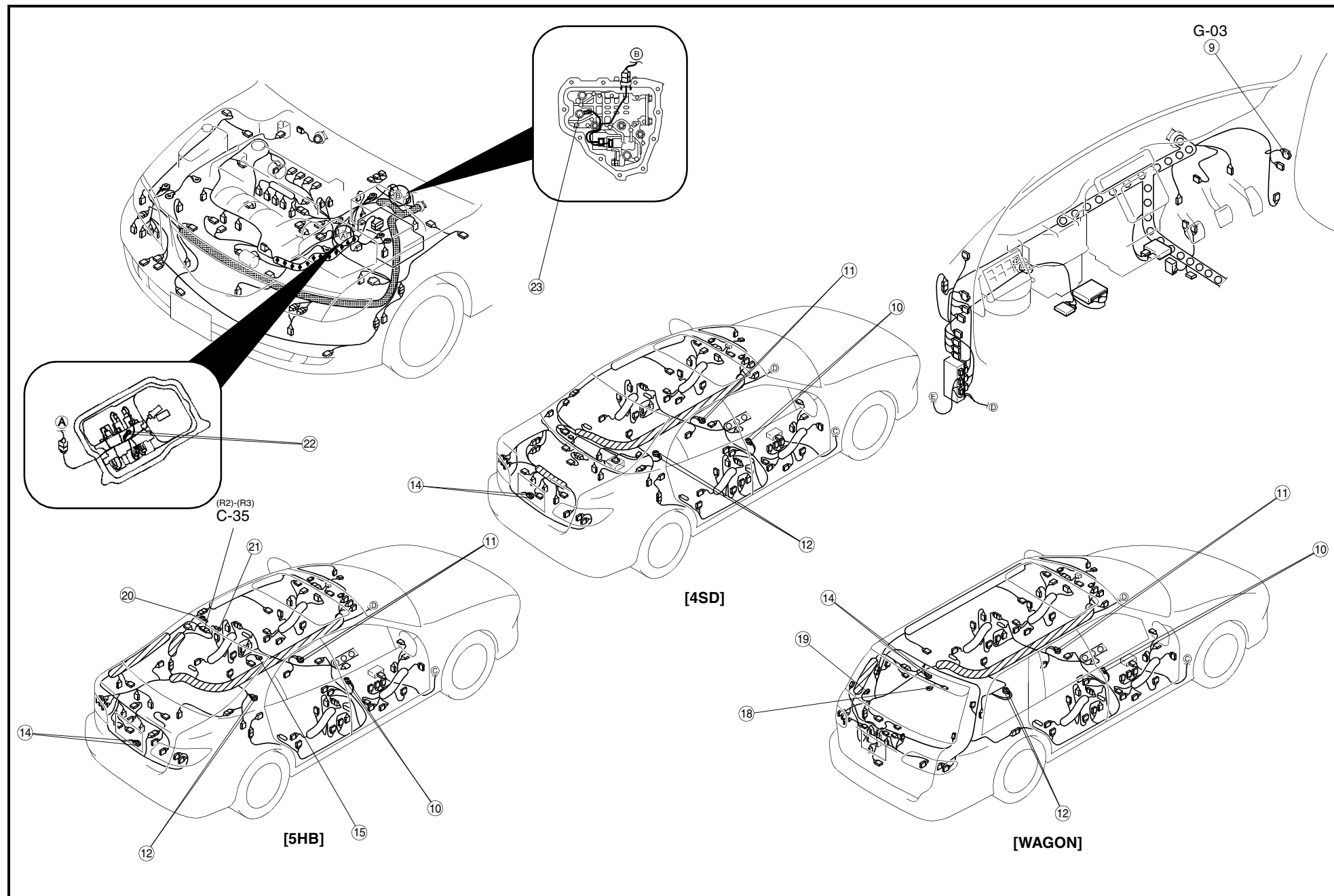


REAR HARNESS (R)



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

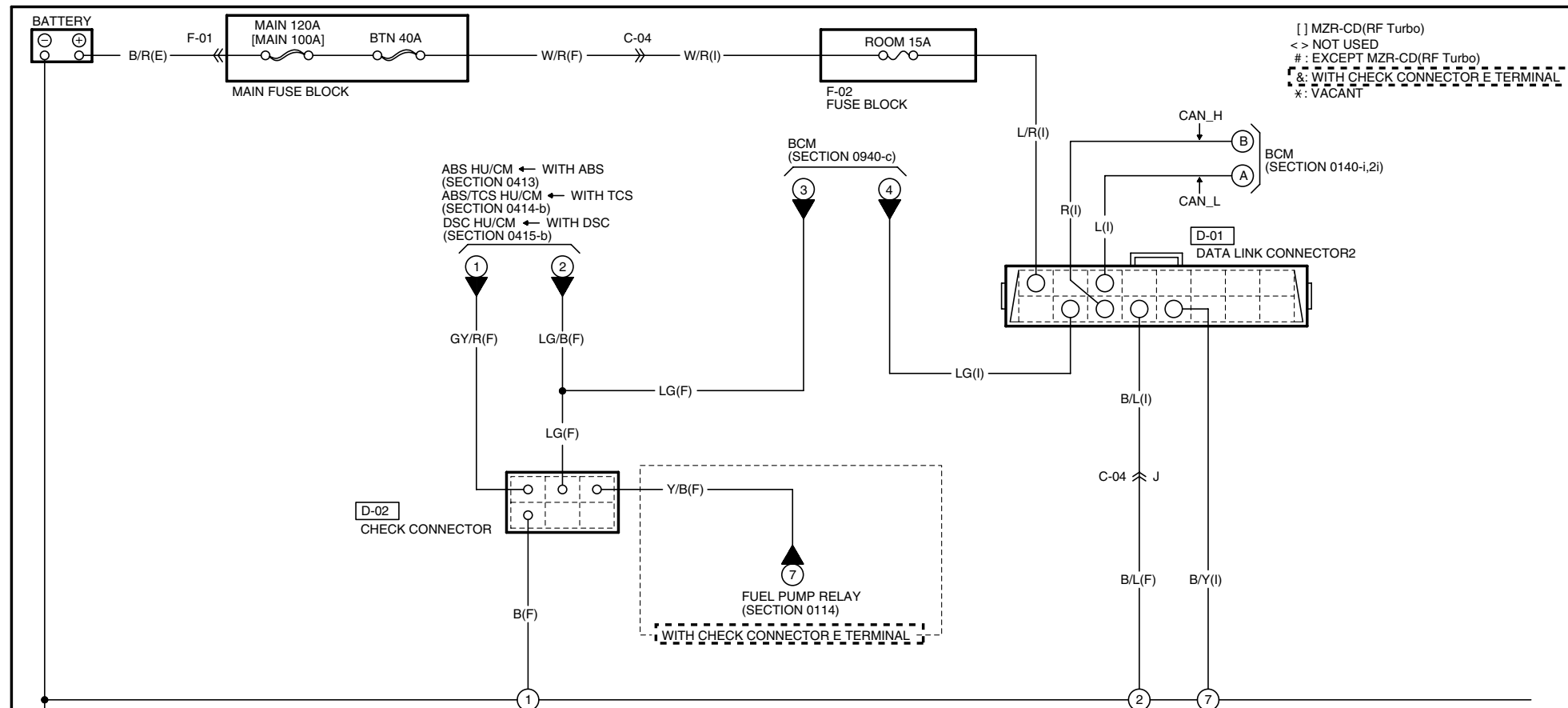
33



00G-b

DATA LINK CONNECTOR

00D



D-01
DATA LINK CONNECTOR2(I)

L/R	*	L	*	*	*	*	*
*	LG	R	B/L	B/Y	*	*	*

NOTE:SEEN FROM TERMINAL SIDE

D-02
CHECK CONNECTOR(F)

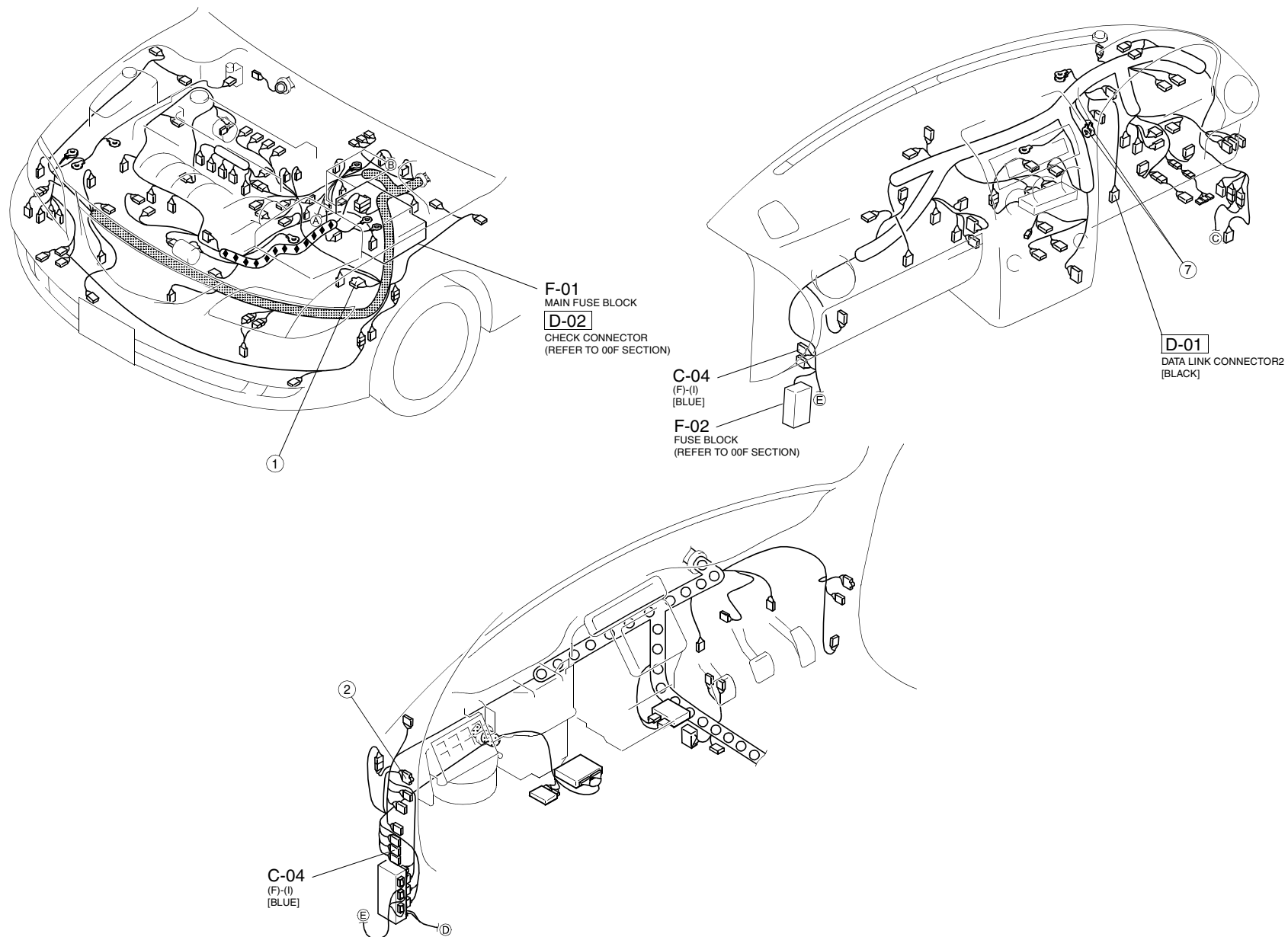
DOM	KLN	F/P
GND		

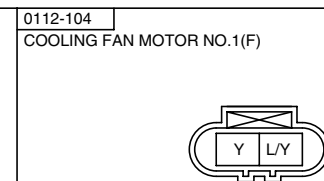
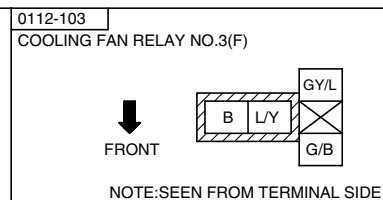
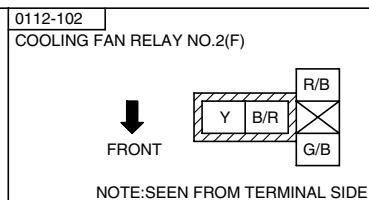
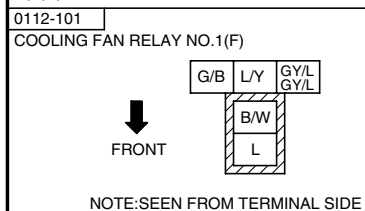
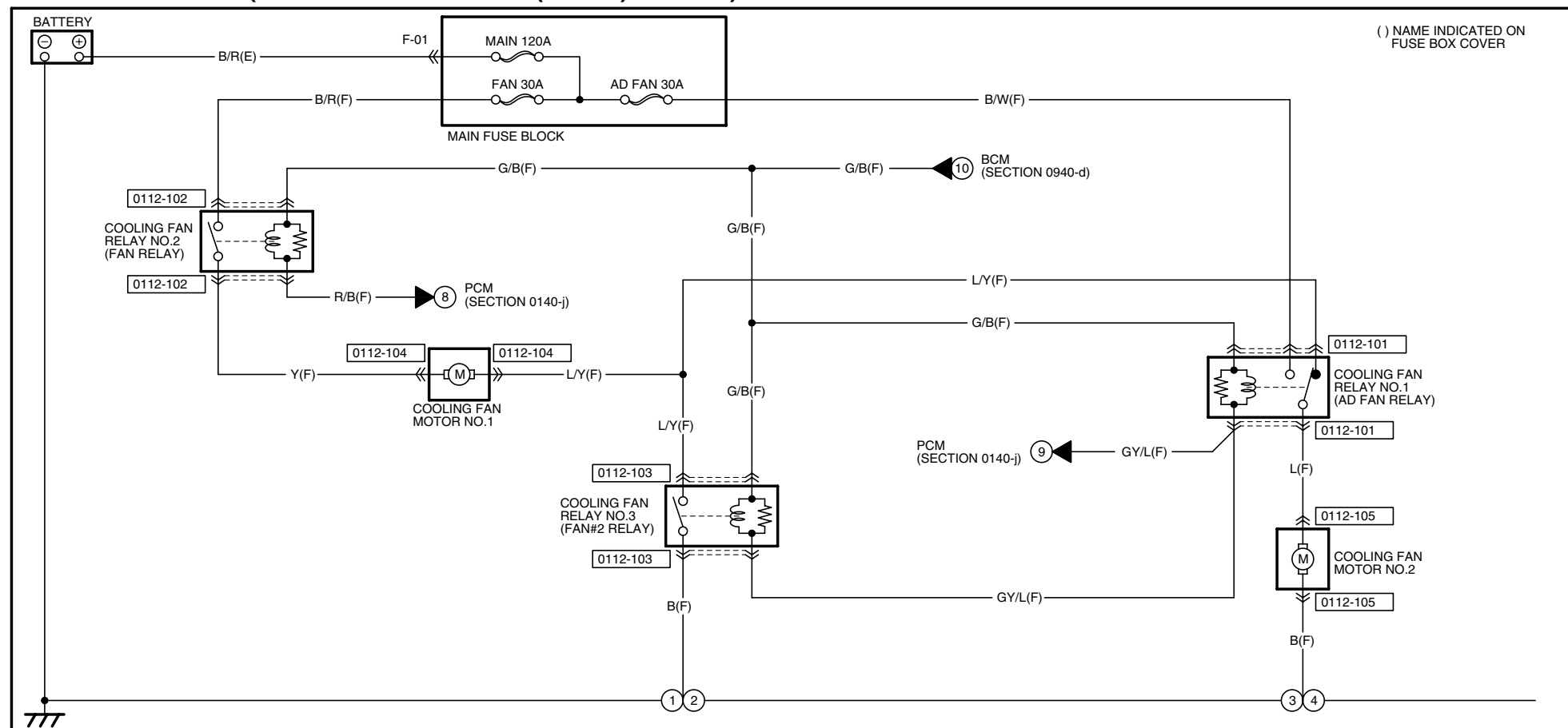
GY/R	LG	* <G>
B	*	*

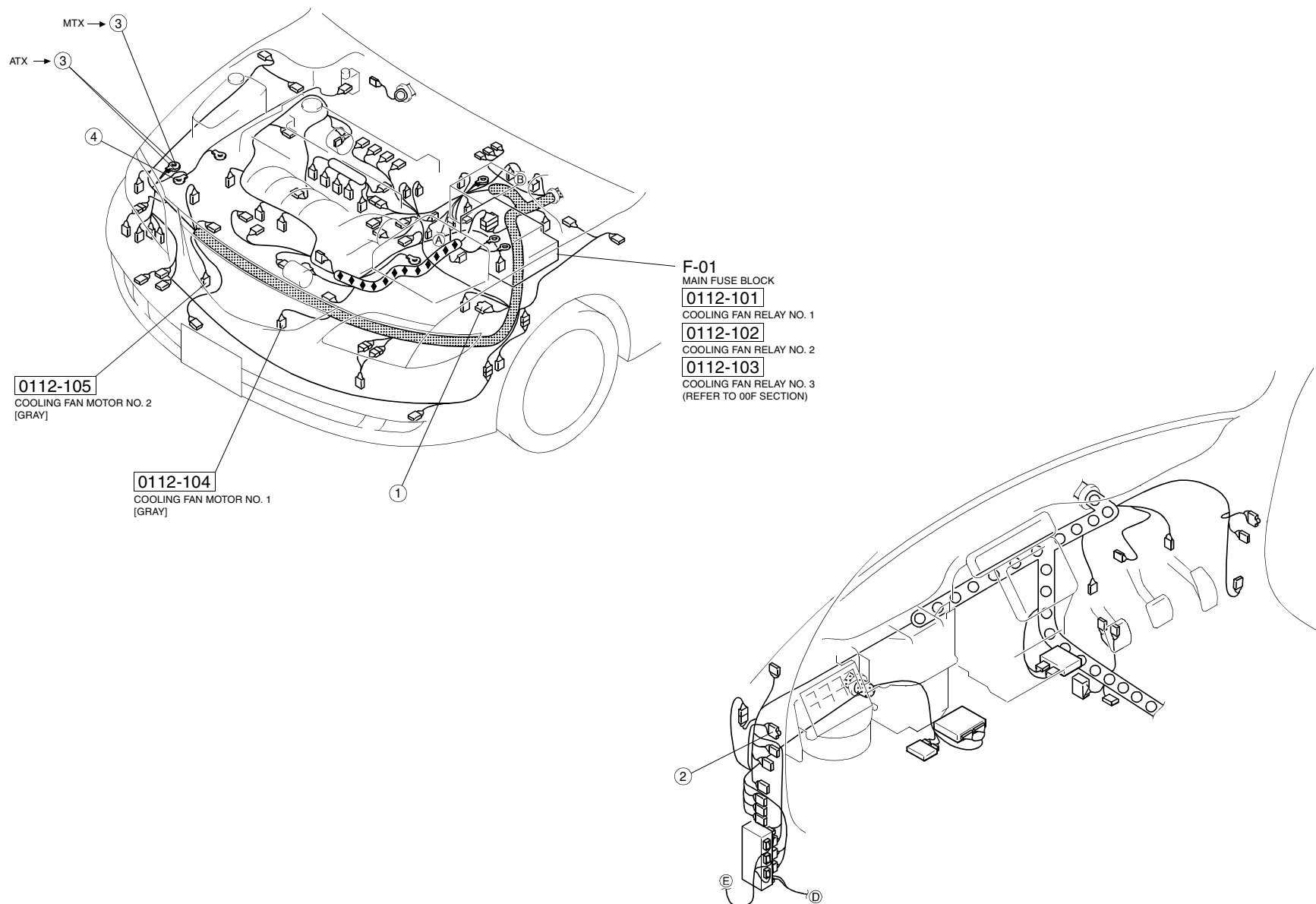
↓
FRONT

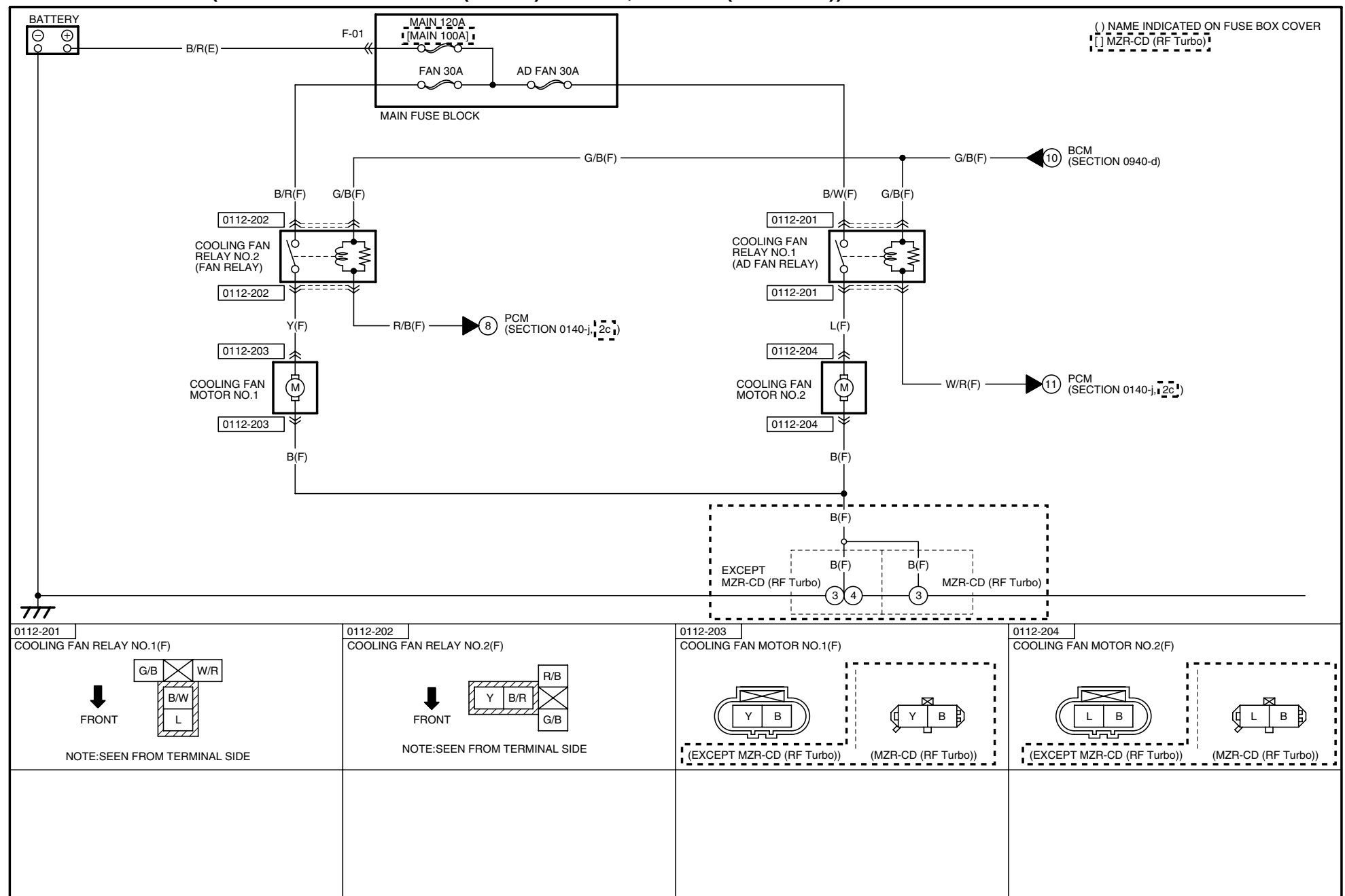
NOTE:SEEN FROM TERMINAL SIDE

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

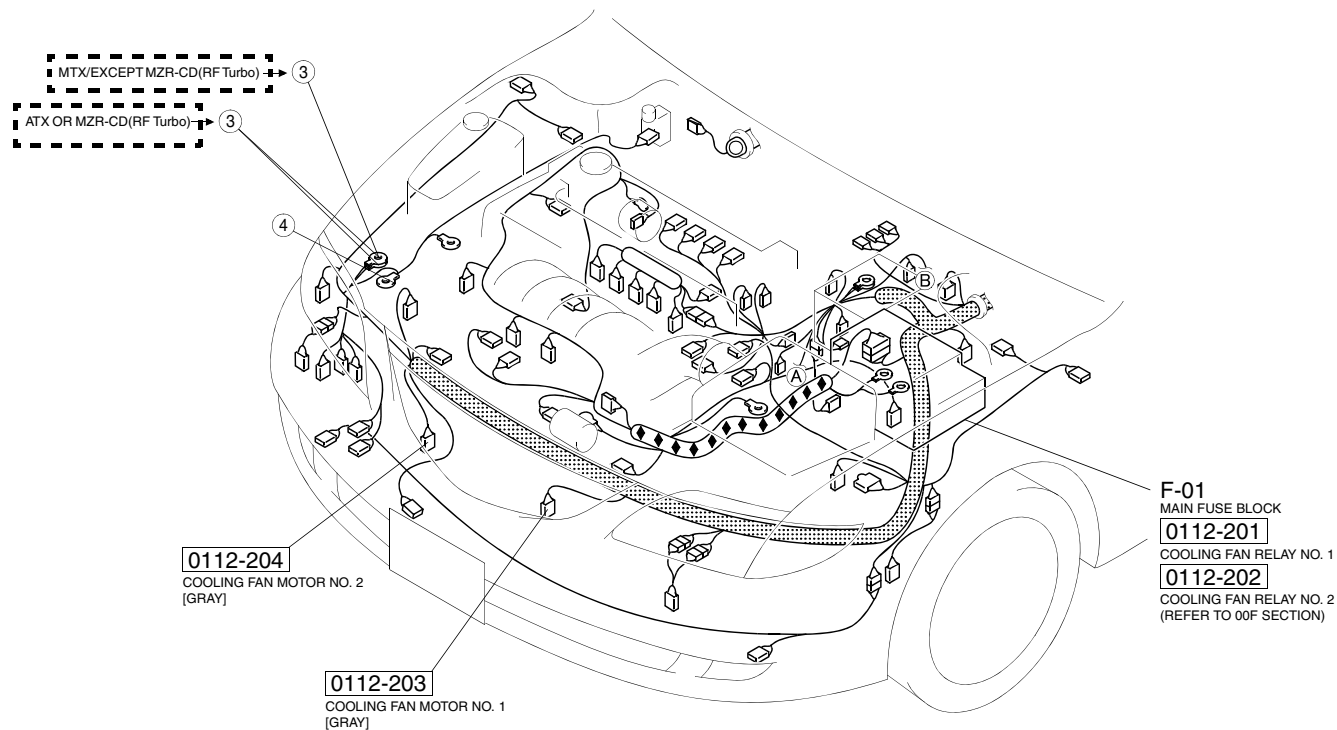






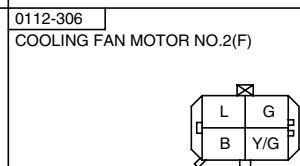
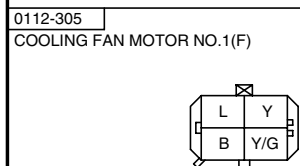
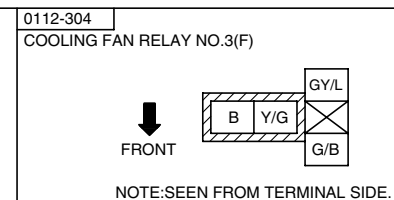
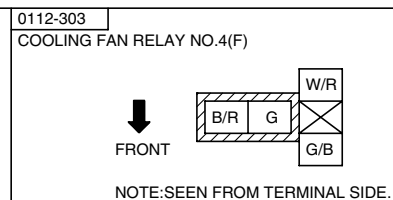
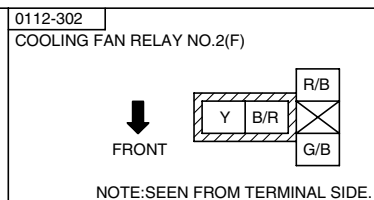
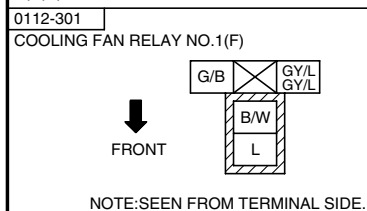
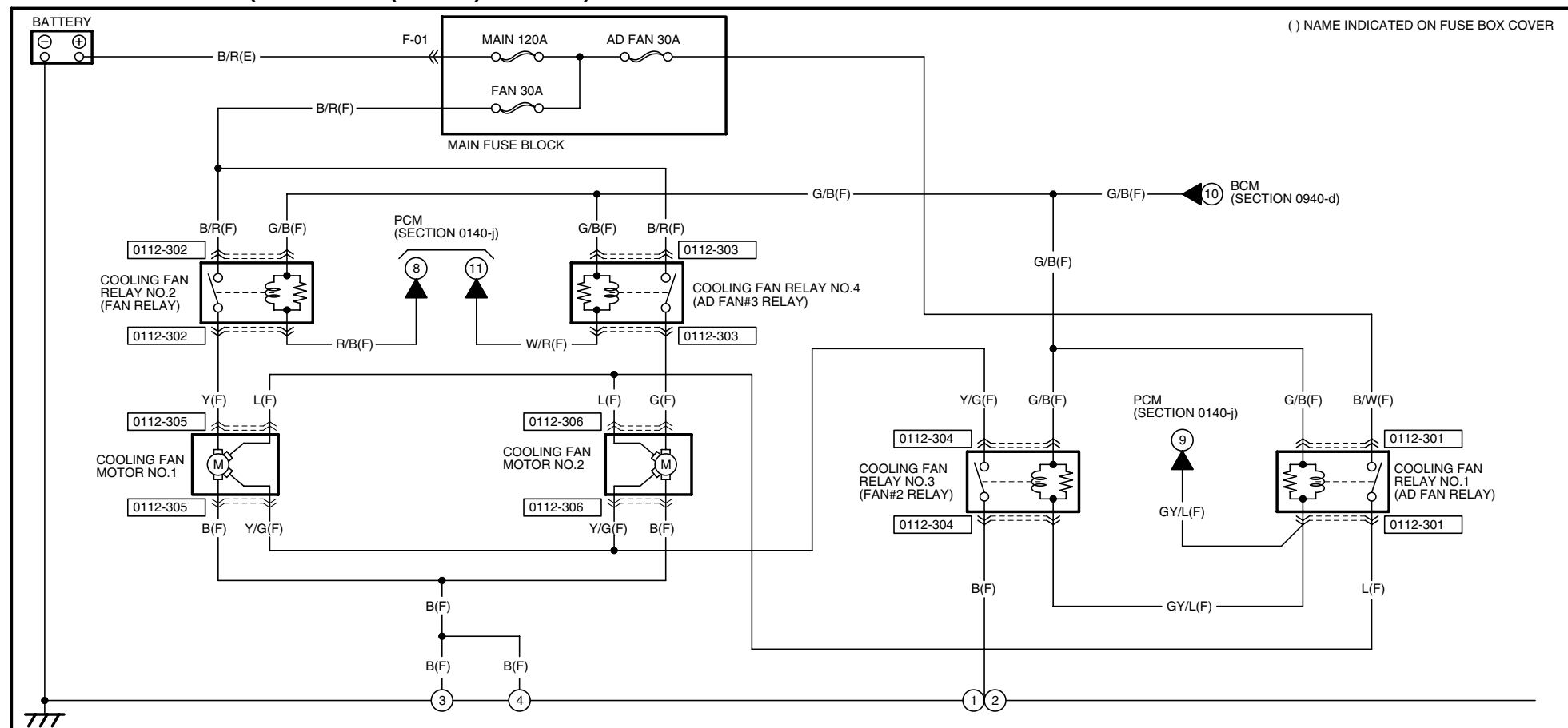


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

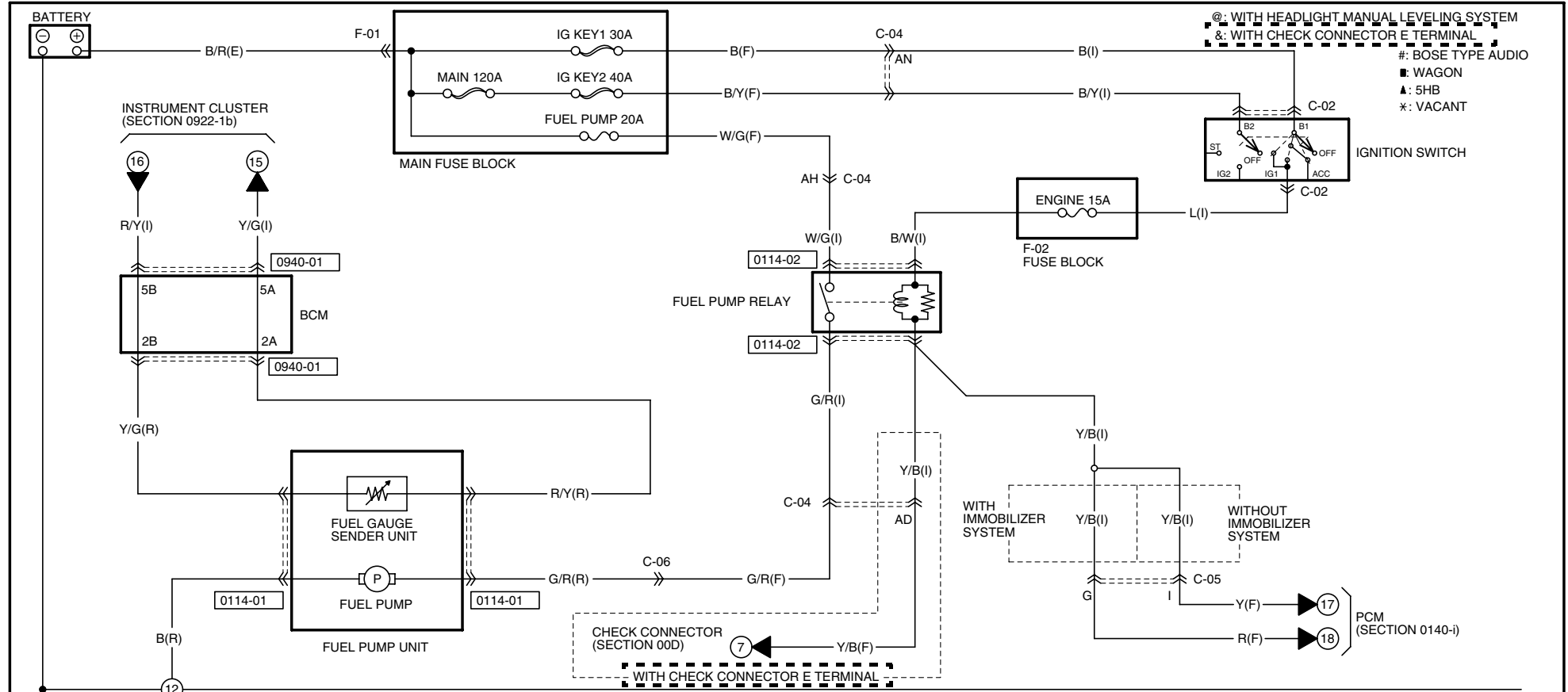


COOLING SYSTEM (GENERAL (R.H.D.) SPECS.)

0112-3



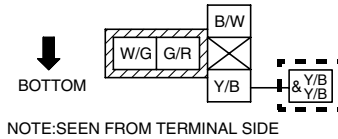
FUEL SYSTEM



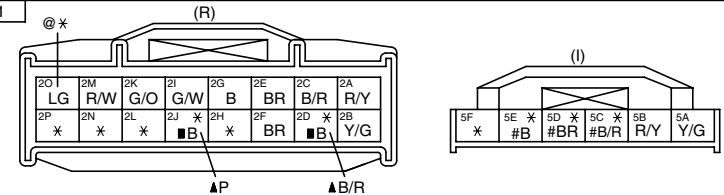
0114-01
FUEL PUMP UNIT(R)



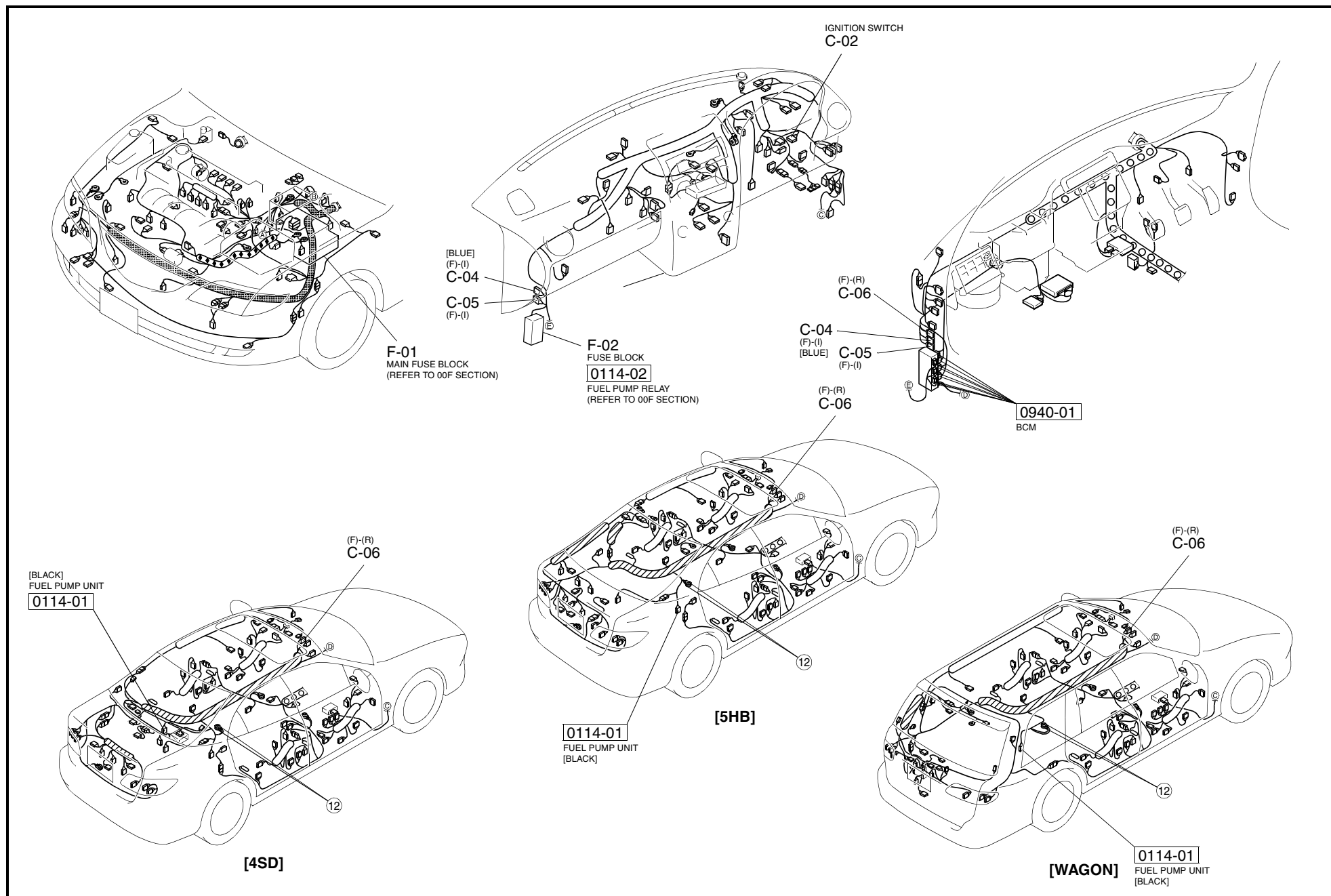
0114-02
FUEL PUMP RELAY(I)



0940-01
BCM

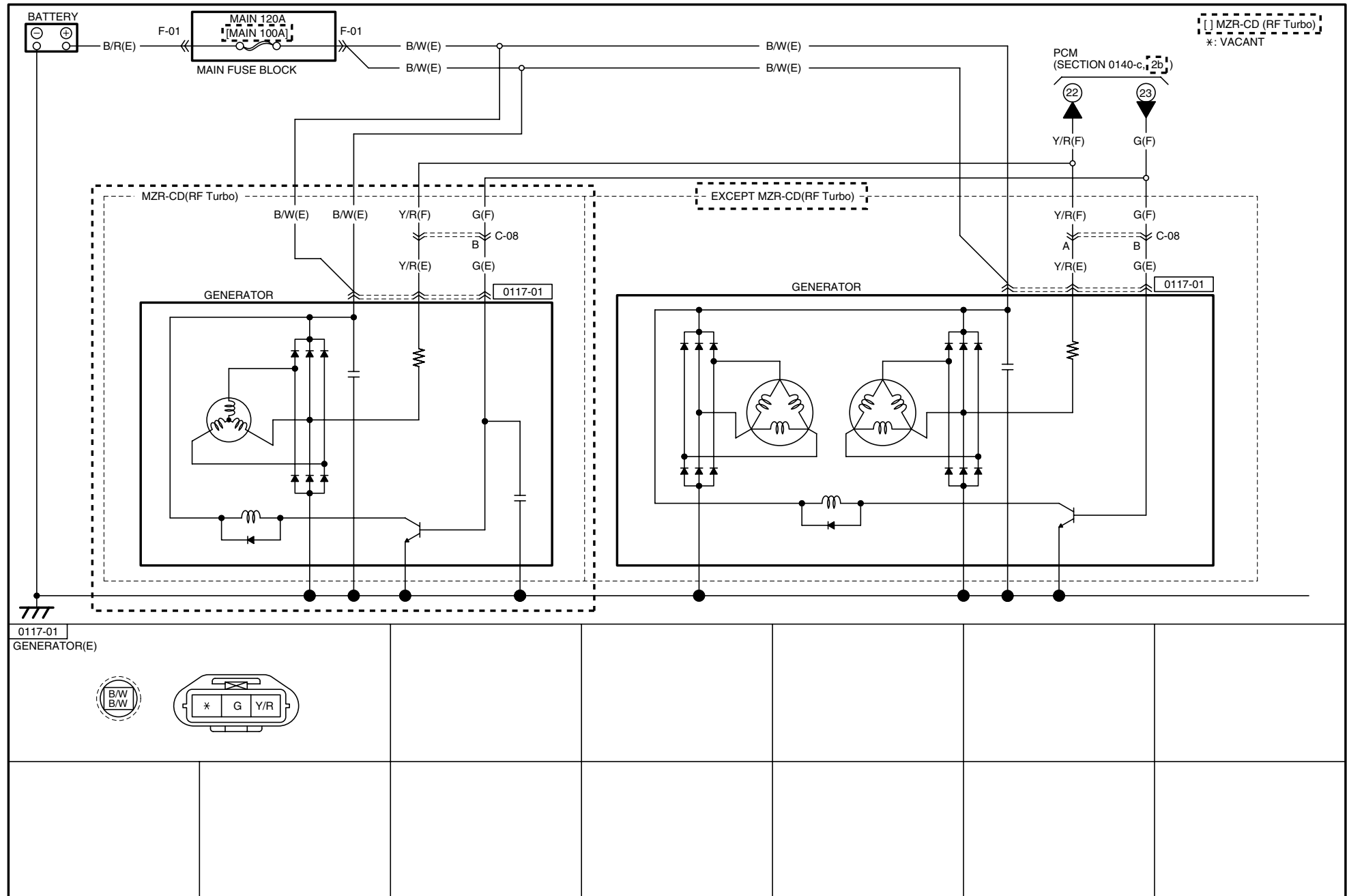


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

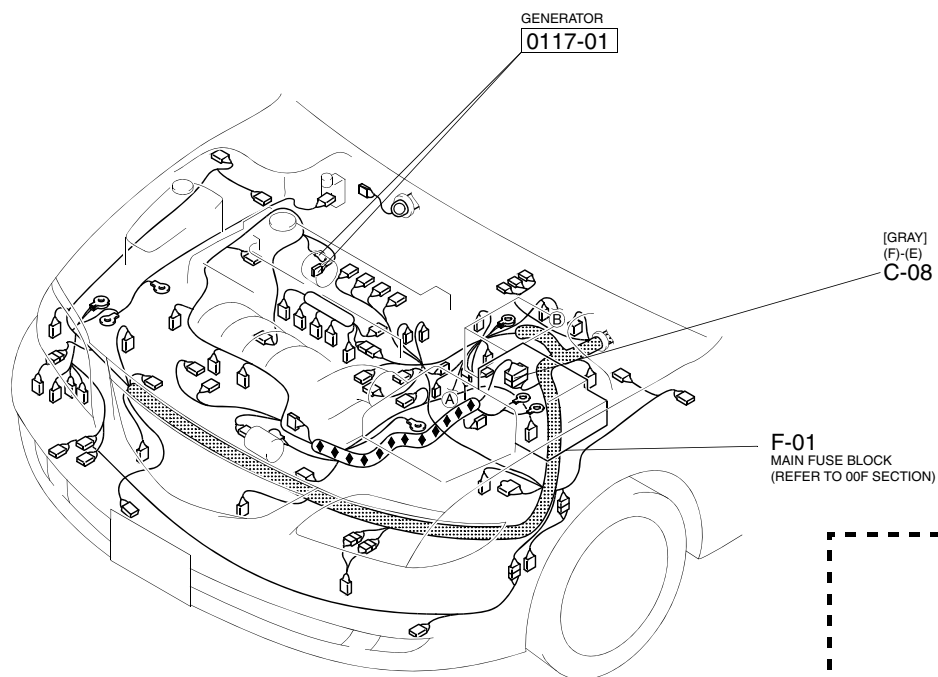


CHARGING SYSTEM

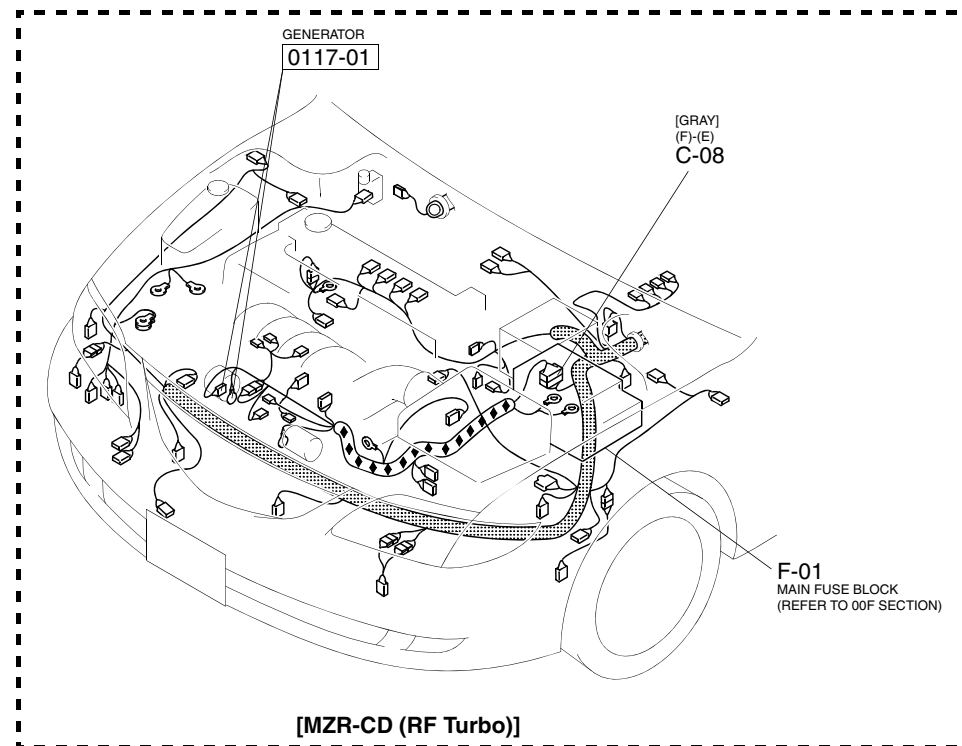
0117



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

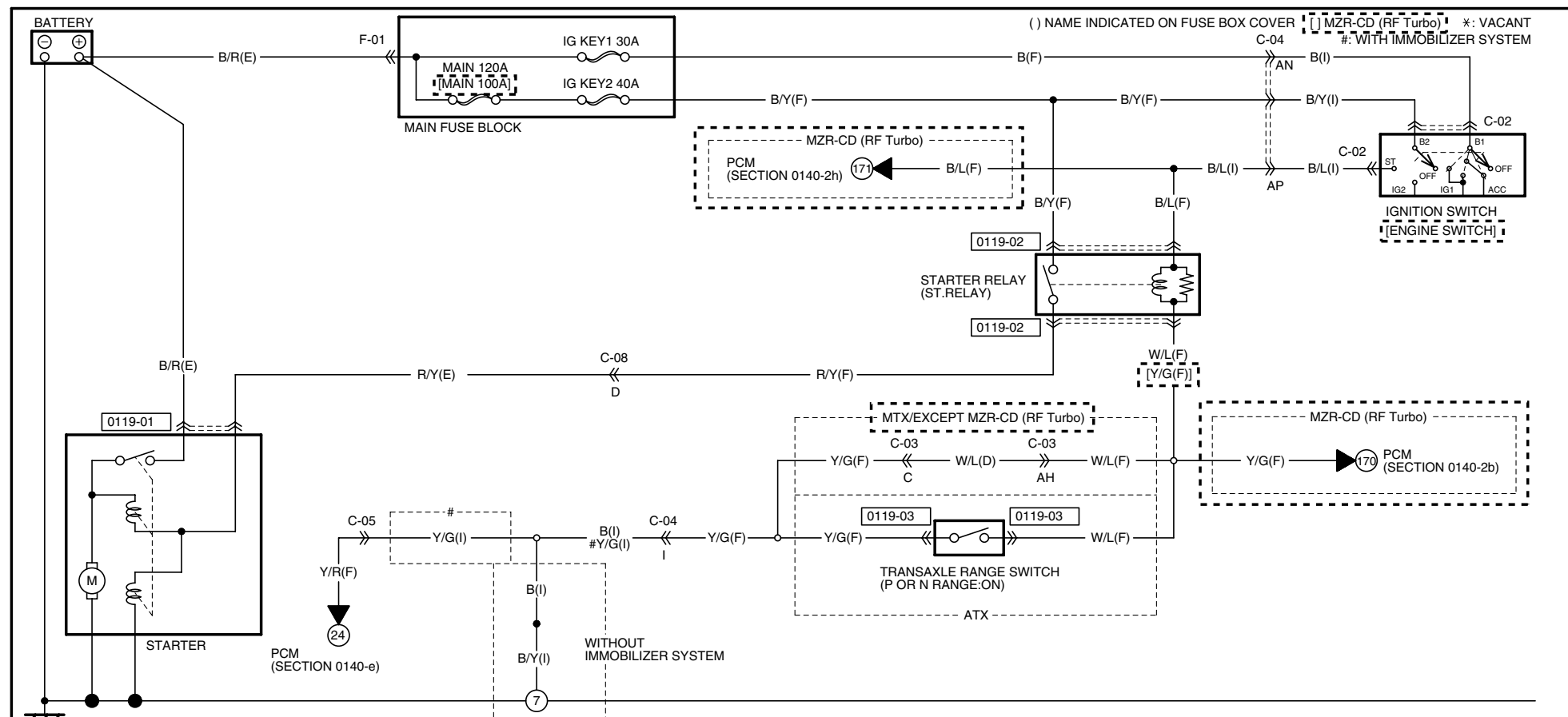


[EXCEPT MZR-CD (RF Turbo)]



STARTING SYSTEM

0119



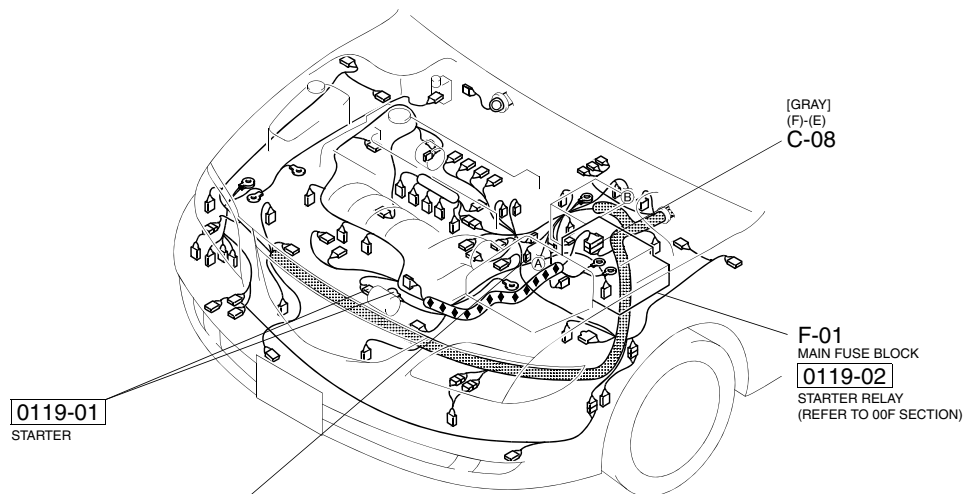
46

Revised 9/2006 (Ref. No. L116/06)

Mazda6 Wiring Diagram (5645-1*-05F)

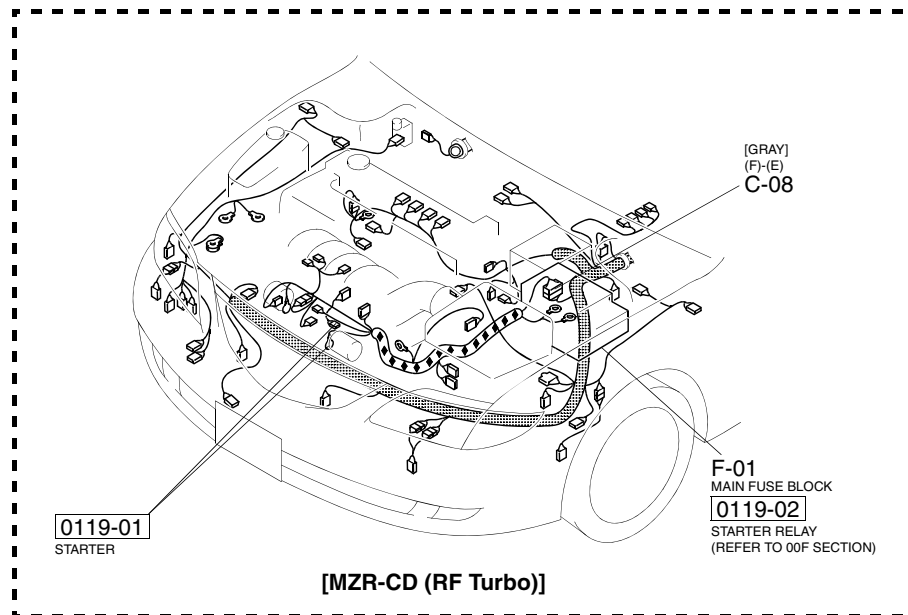
0119-01 STARTER(E)	0119-02 STARTER RELAY(F)	0119-03 TRANAXLE RANGE SWITCH(F)			

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

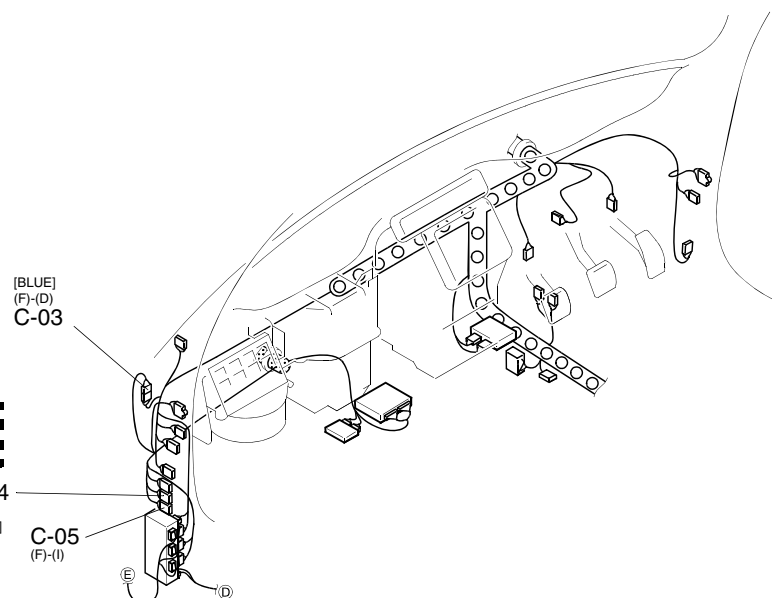
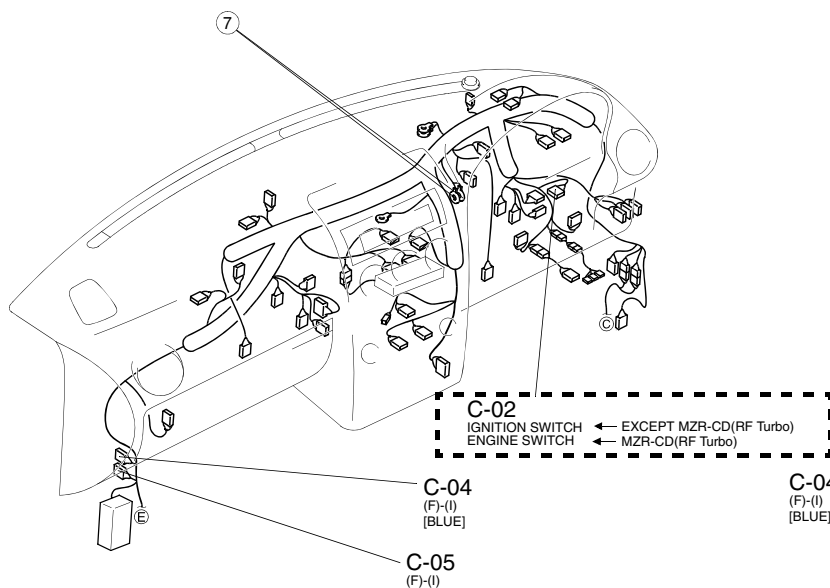


0119-03
TRANSAXLE RANGE SWITCH
[BLACK]

[EXCEPT MZR-CD (RF Turbo)]



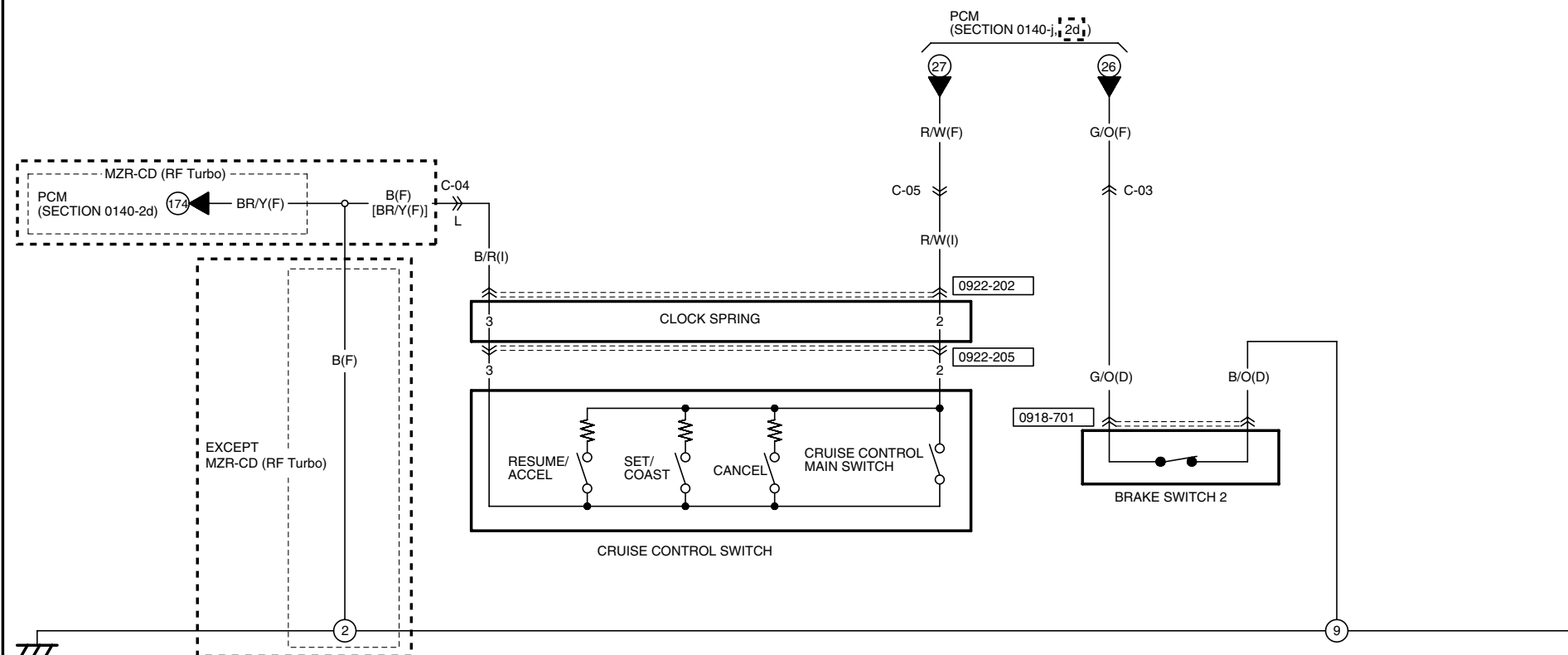
[MZR-CD (RF Turbo)]


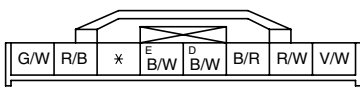
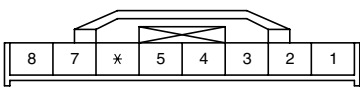


CRUISE CONTROL SYSTEM

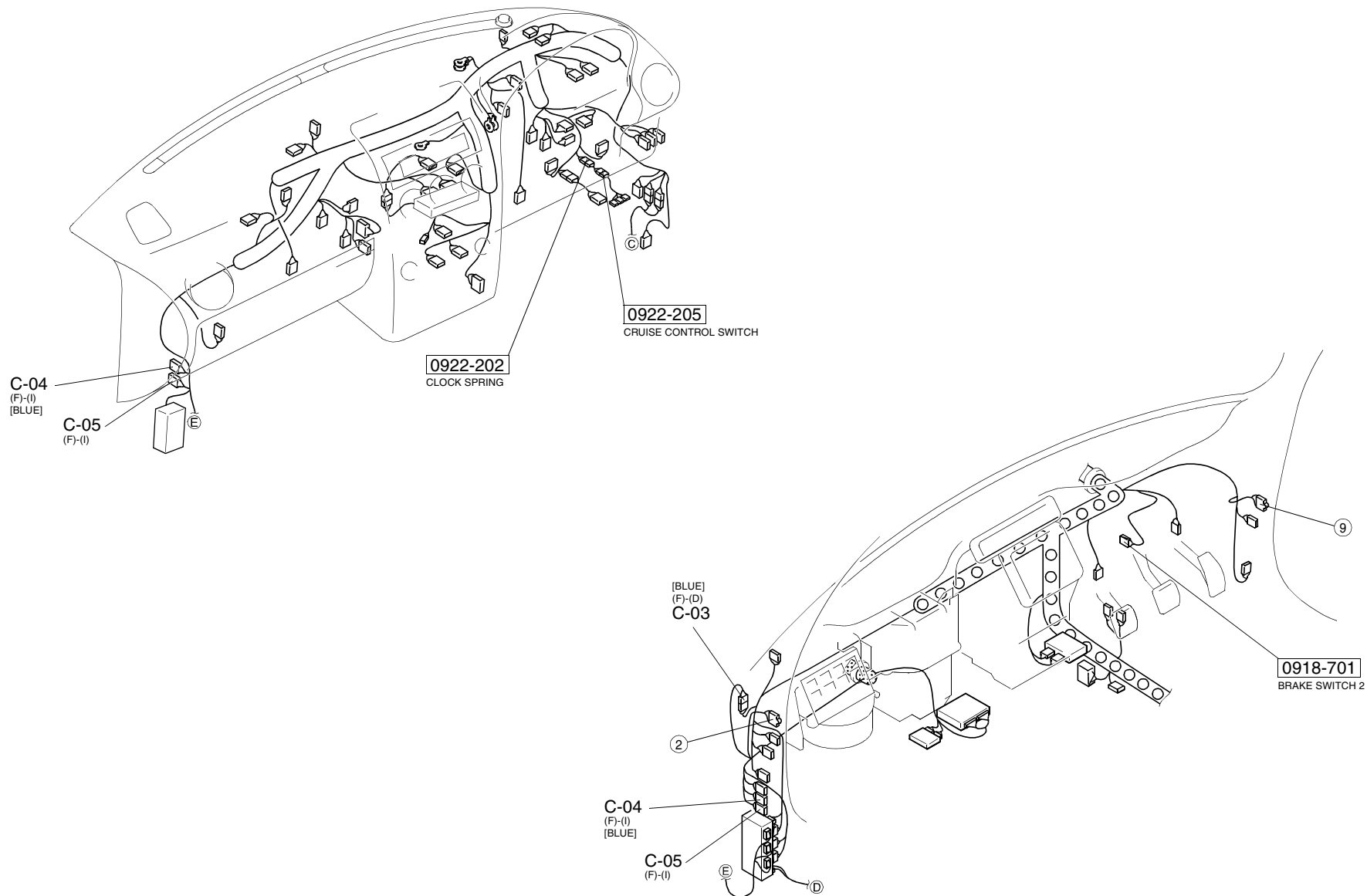
0120

[] MZR-CD (RF Turbo)
*: VACANT



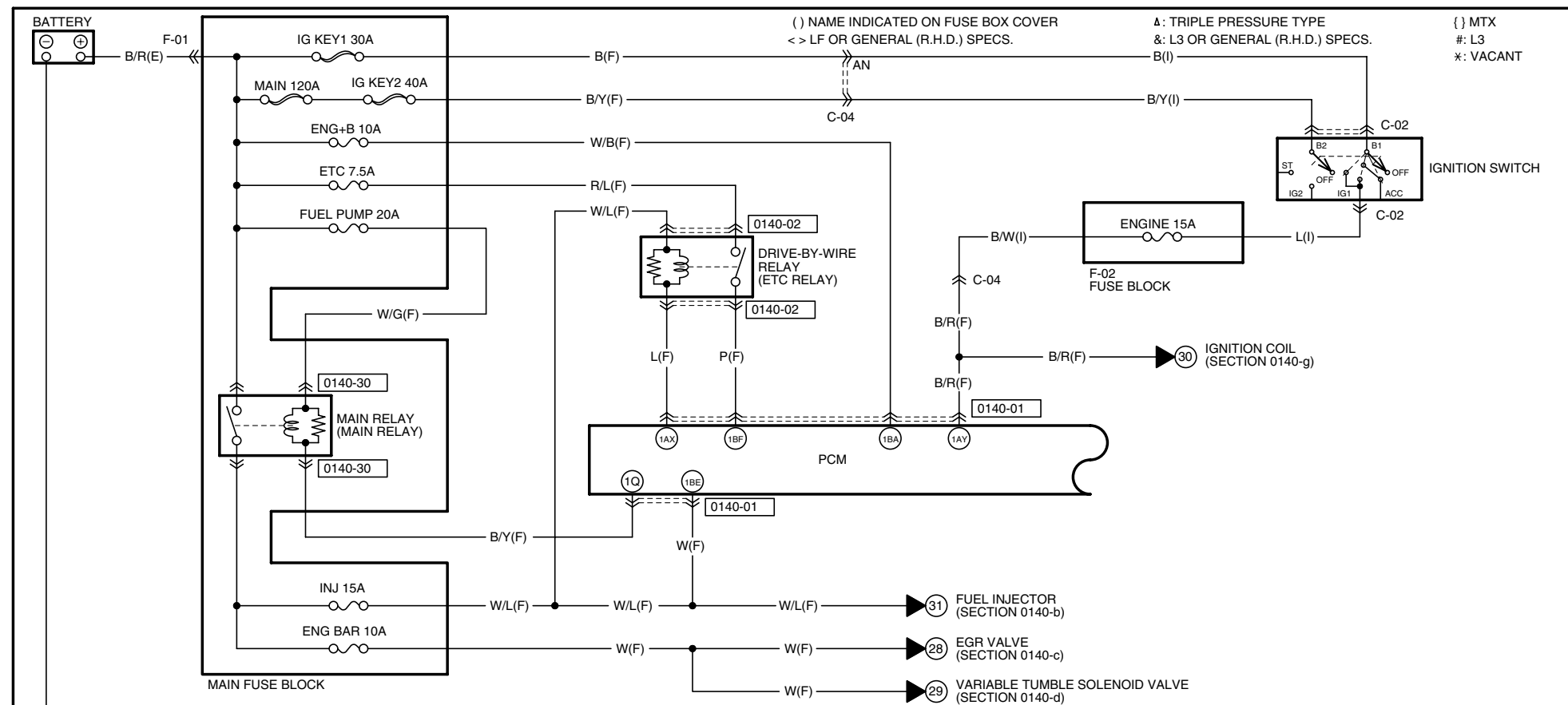
<p>0918-701 BRAKE SWITCH 2(D)</p> 	<p>0922-202 CLOCK SPRING(I)</p> 	<p>0922-205 CRUISE CONTROL SWITCH(CLOCK SPRING)</p>  <p>TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.</p>	

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



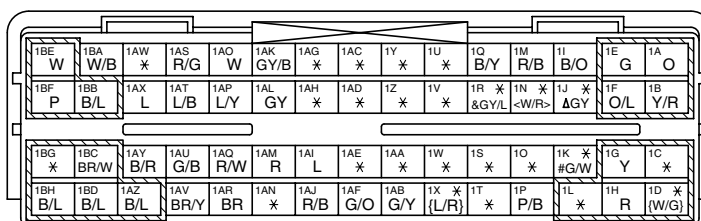
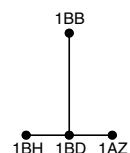
50

0140-a

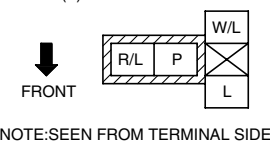


|| π

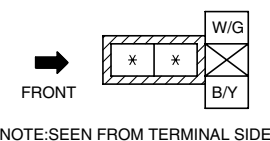
0140-01
PCM(F)



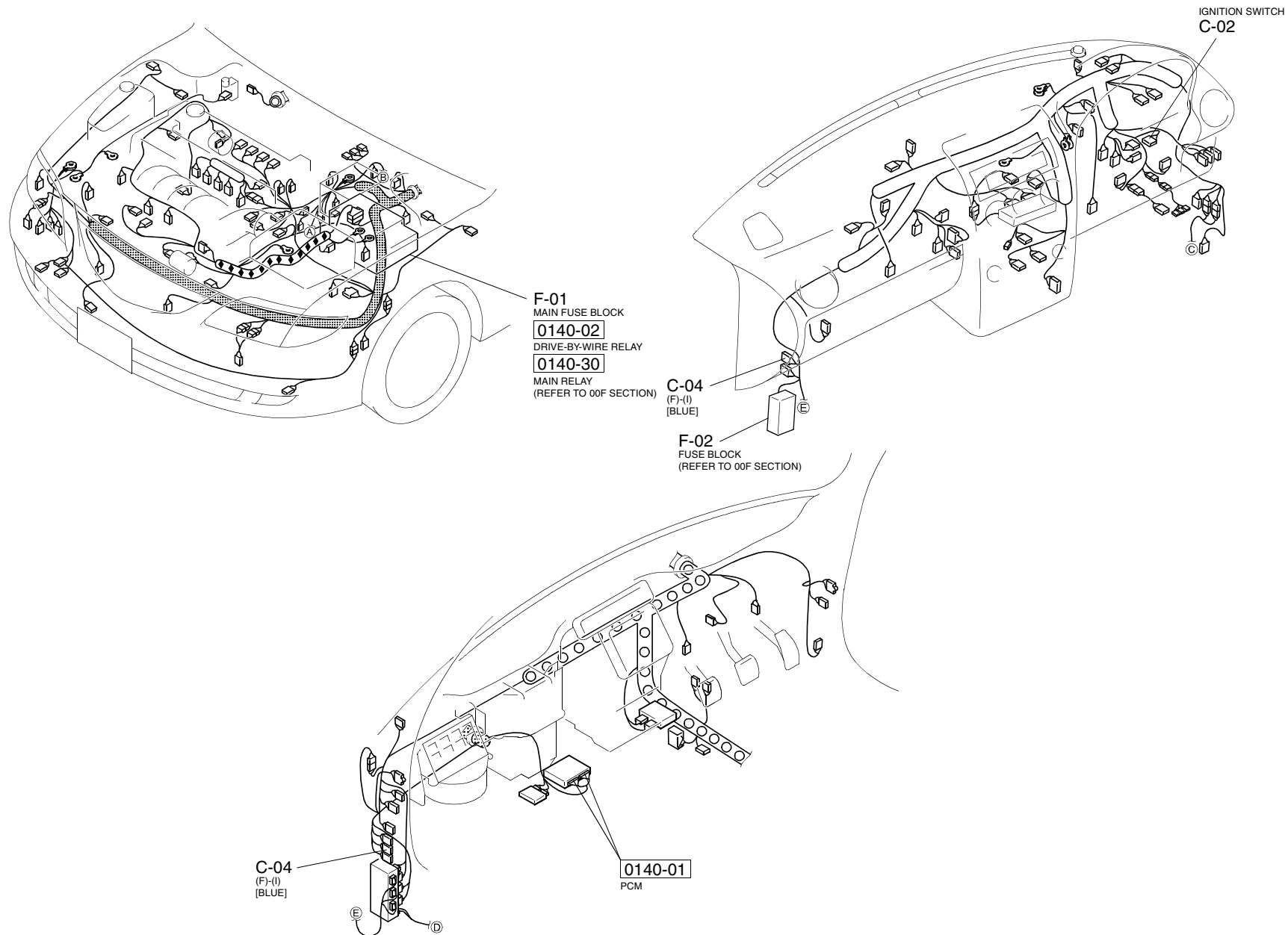
0140-02	DRIVE-BY-WIRE RELAY(F)
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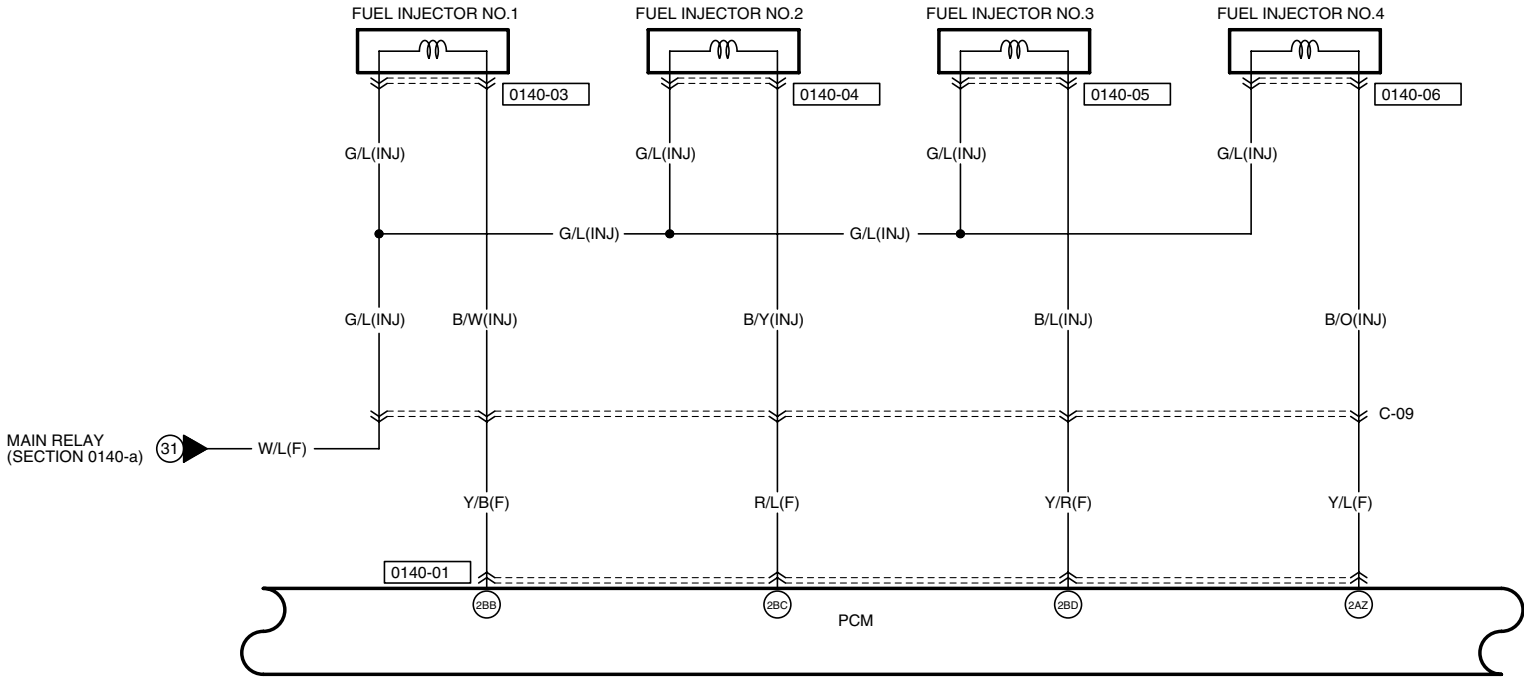
0140-30	
MAIN RELAY(F)	



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

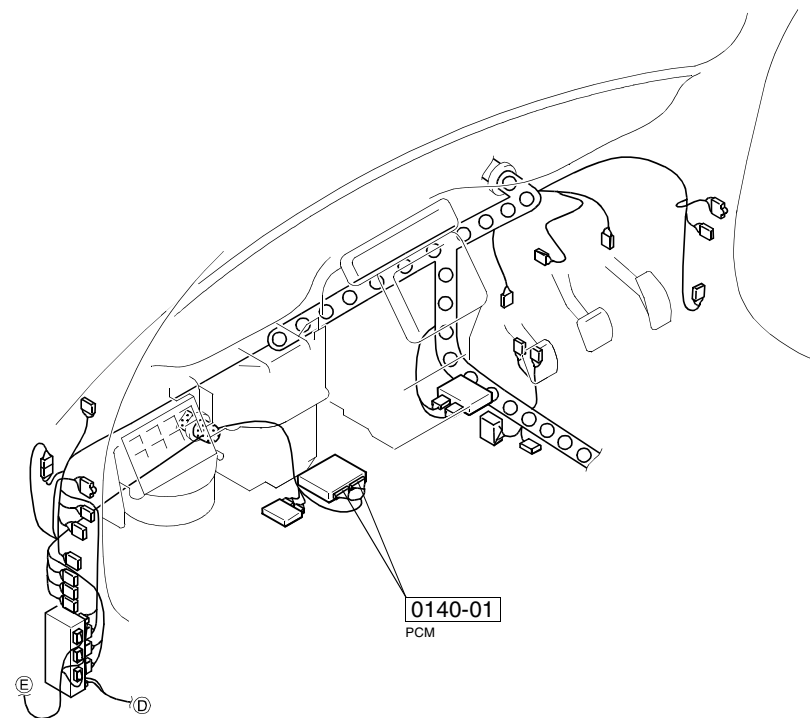
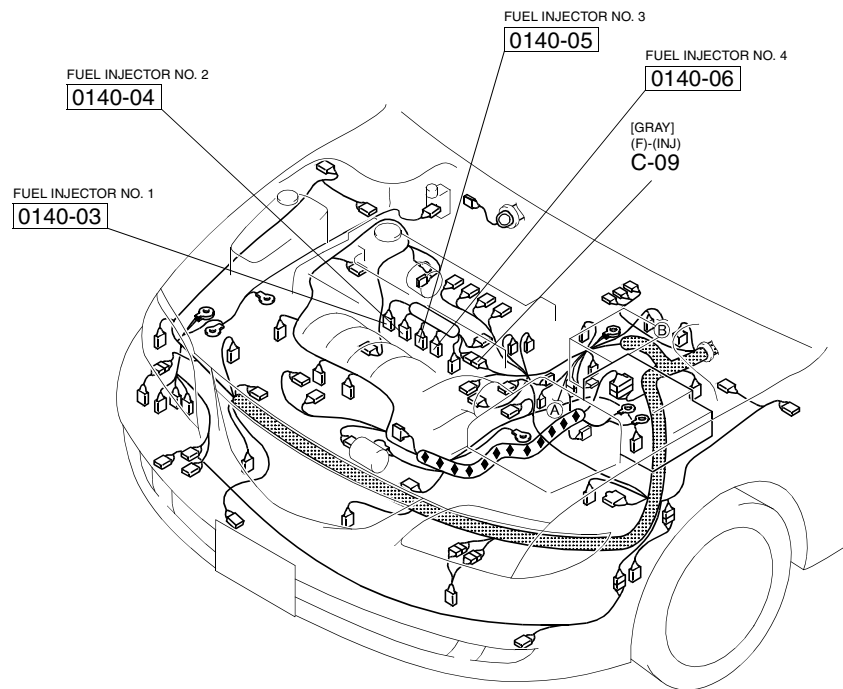


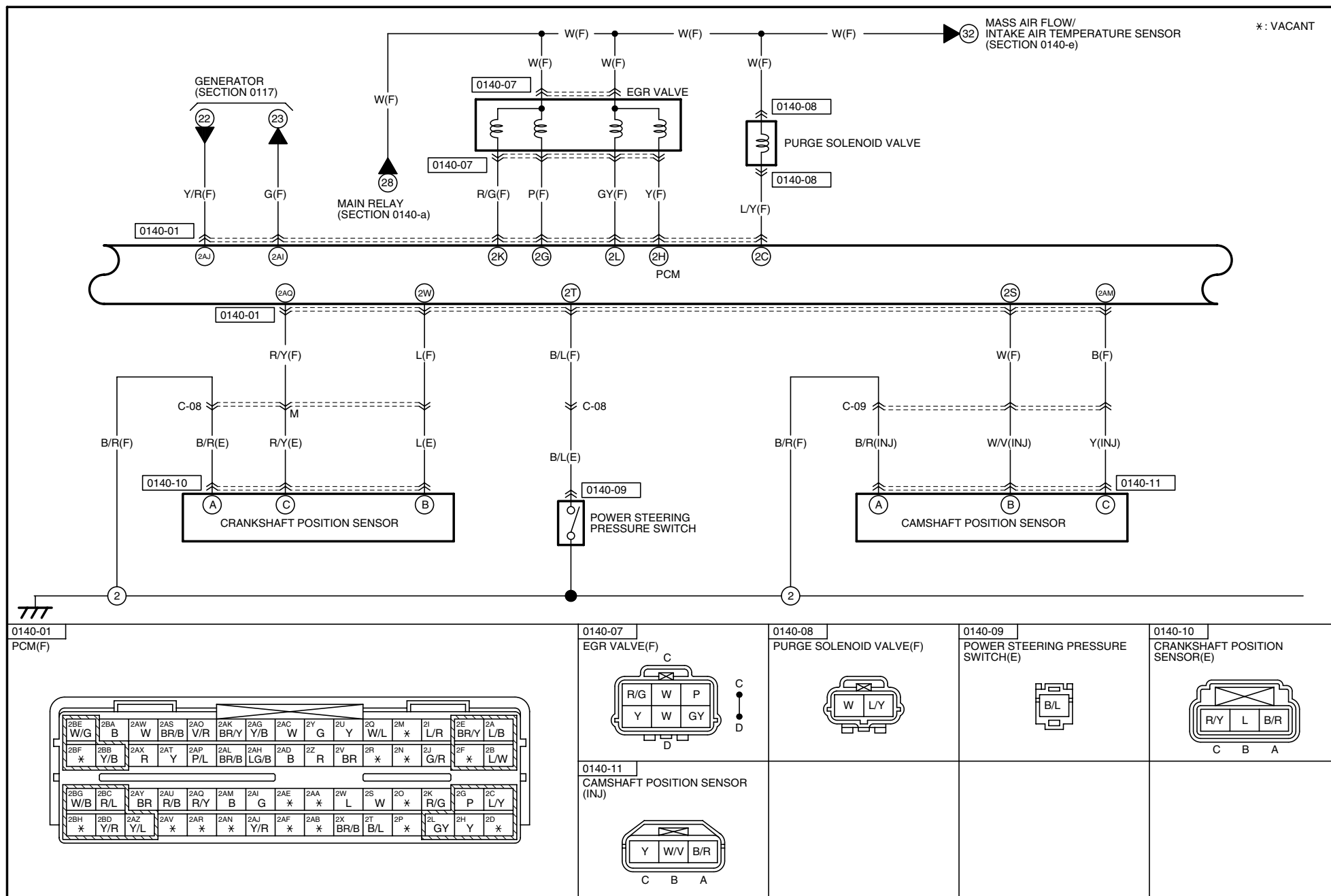
※: VACANT



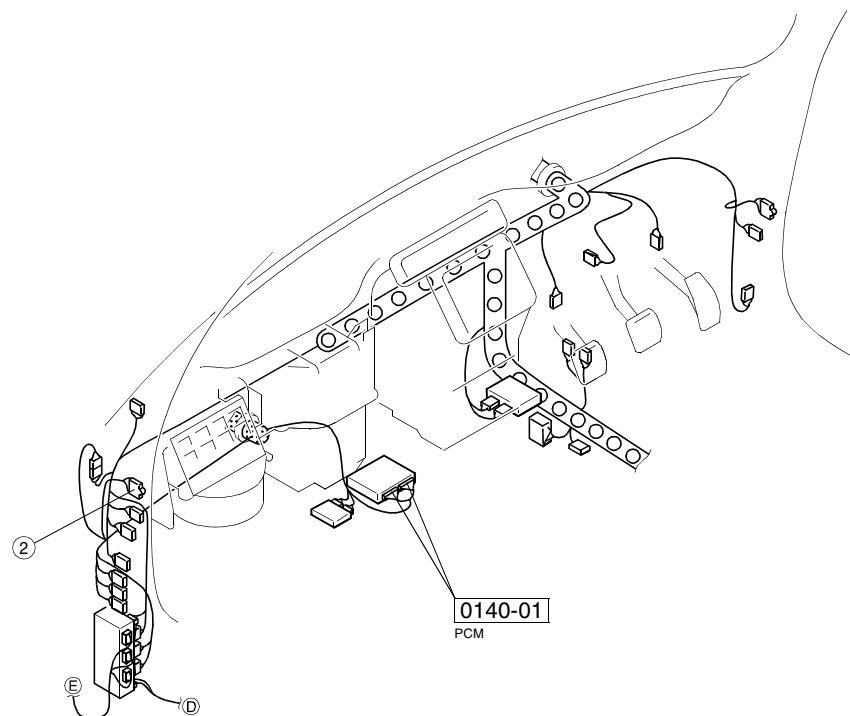
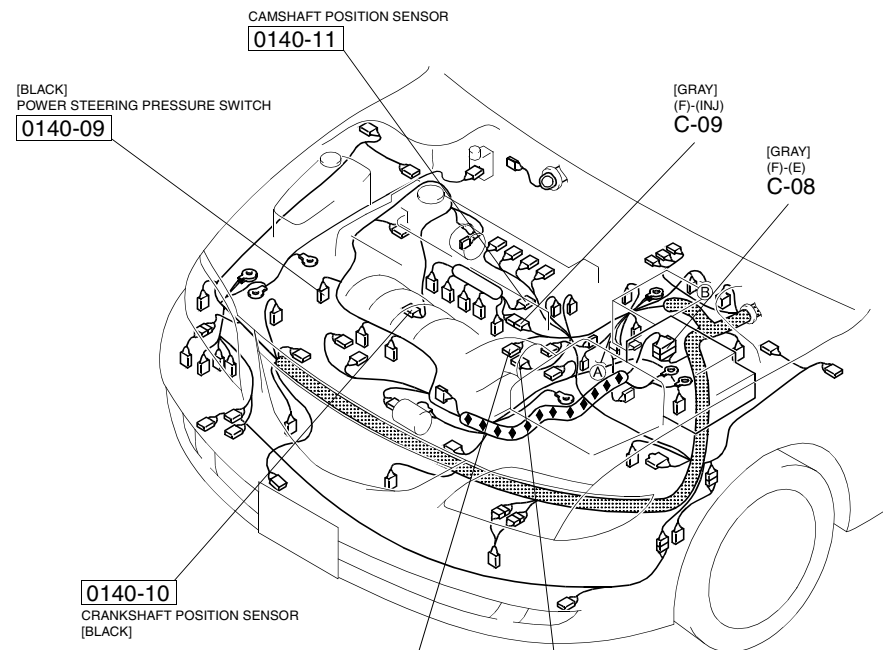
<div>0140-01</div> <div>PCM(F)</div> <div></div>	<div>0140-03</div> <div>FUEL INJECTOR NO.1(INJ)</div> <div></div>	<div>0140-04</div> <div>FUEL INJECTOR NO.2(INJ)</div> <div></div>	<div>0140-05</div> <div>FUEL INJECTOR NO.3(INJ)</div> <div></div>	<div>0140-06</div> <div>FUEL INJECTOR NO.4(INJ)</div> <div></div>
--------------------------------------------------	-------------------------------------------------------------------	-------------------------------------------------------------------	-------------------------------------------------------------------	-------------------------------------------------------------------

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

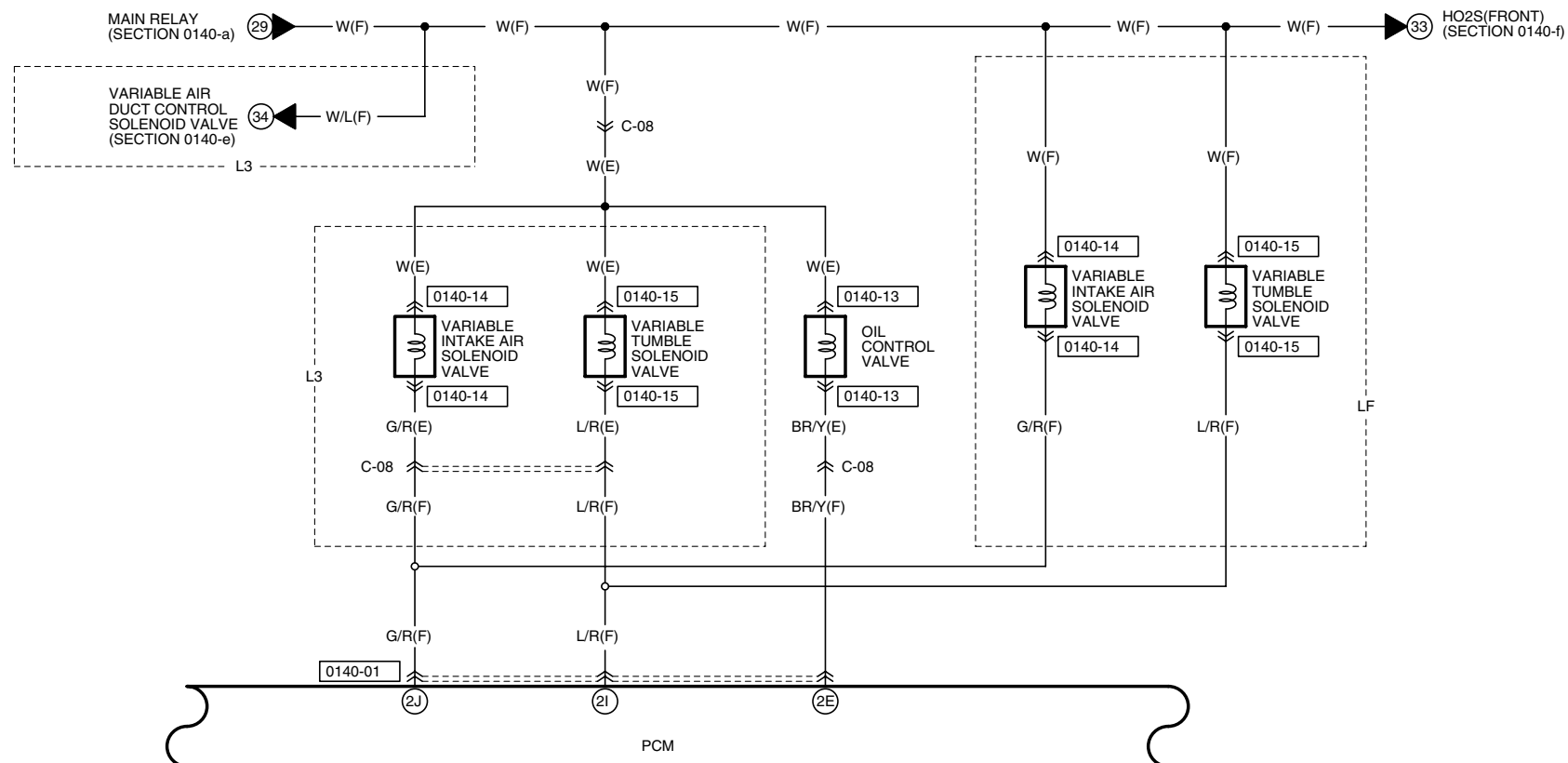
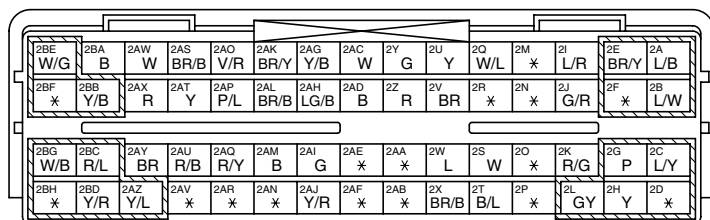
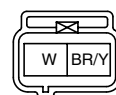
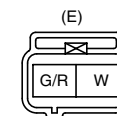
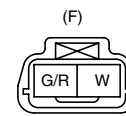




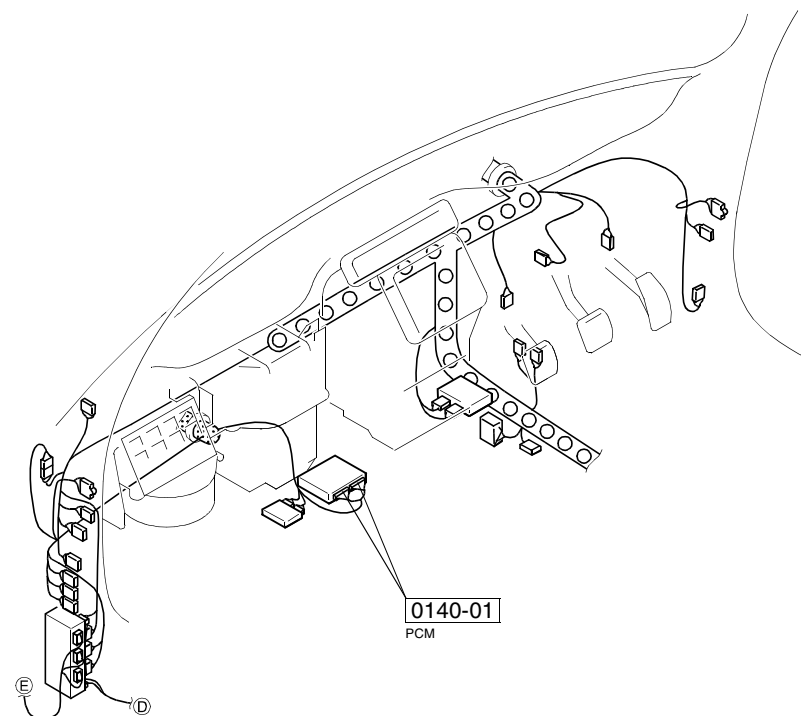
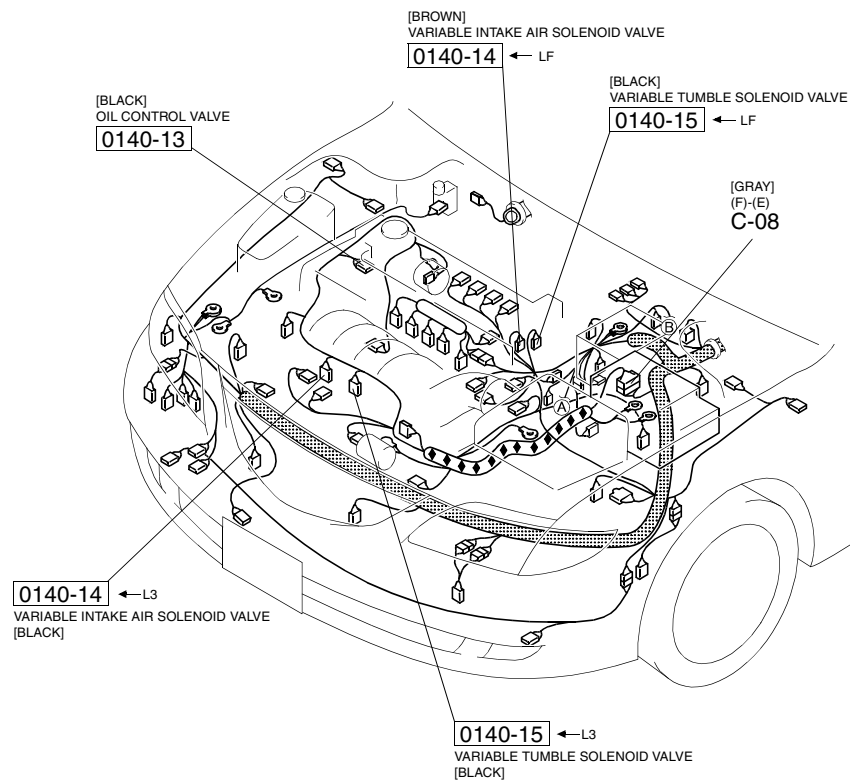
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



*: VACANT

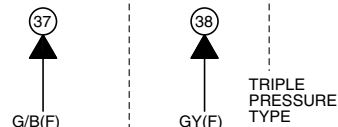
0140-01
PCM(F)0140-13
OIL CONTROL VALVE(E)0140-14
VARIABLE INTAKE AIR SOLENOID VALVE0140-15
VARIABLE TUMBLE SOLENOID VALVE
(F) ← LF
(E) ← L3

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



REFRIGERANT PRESSURE SWITCH
(SECTION 0740-1b,2b)BCM
(SECTION 0922-1f)STARTER RELAY ← MTX
TRANSAXLE RANGE SWITCH ← ATX
(SECTION 0119)

{ } MTX
 < > LF OR GENERAL (R.H.D.) SPECS.
 &: L3 OR GENERAL (R.H.D.) SPECS.
 #: L3
 Δ: TRIPLE PRESSURE TYPE
 *: VACANT



0140-01

G/B(F)

GY(F)

O(F)

Y/R(F)

11

0140-01

B/O(F)

A/C RELAY
(SECTION 0740-3)MAIN RELAY
(SECTION 0140-c)

32

W(F)

1AK

GY/B(F)

C

MASS AIR FLOW/
INTAKE AIR TEMPERATURE SENSOR

A

W/L(F)

0140-16

1AT

L/B(F)

D

1P

P/B(F)

B

1AR

BR(F)

E

0140-16

1B

← SENSOR GROUND

B/L(F)

1BB

B/L(F)

1AZ

B/L(F)

1BD

B/L(F)

1BH

B/L(F)

B/L(F)

2

1K

G/W(F)

0140-12

VARIABLE AIR
DUCT CONTROL
SOLENOID VALVE

0140-12

W/L(F)

MAIN RELAY
(SECTION 0140-d)

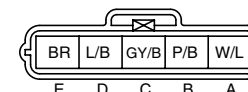
34

L3

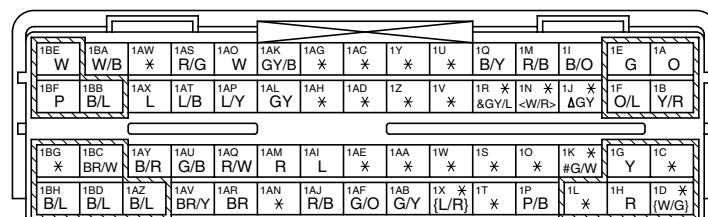
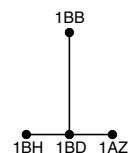
TTT

0140-01
PCM(F)0140-12
VARIABLE AIR DUCT CONTROL
SOLENOID VALVE(F)

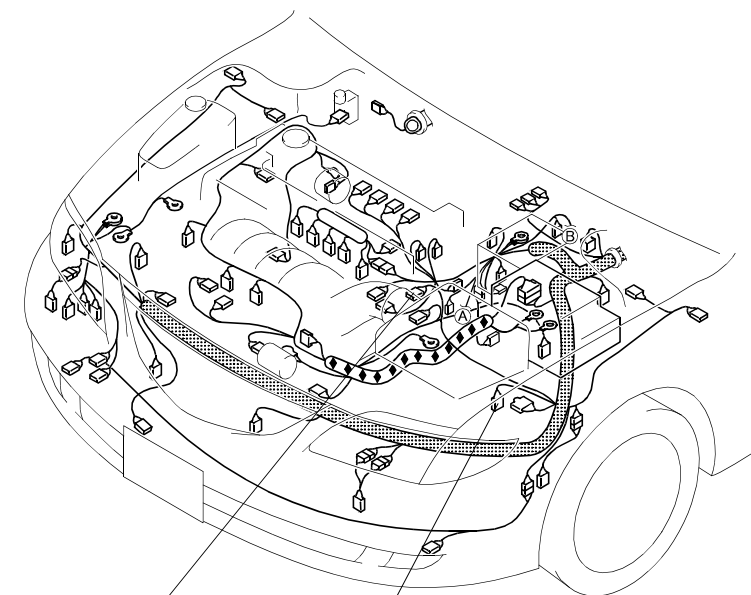
(L3)

0140-16
MASS AIR FLOW/INTAKE AIR TEMPERATURE SENSOR(F)

E D C B A

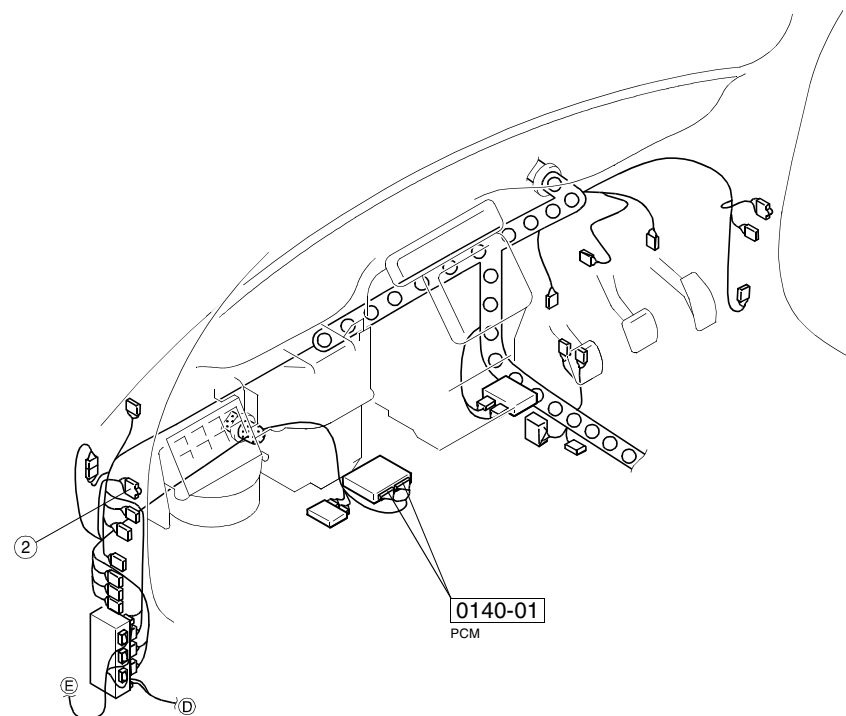


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



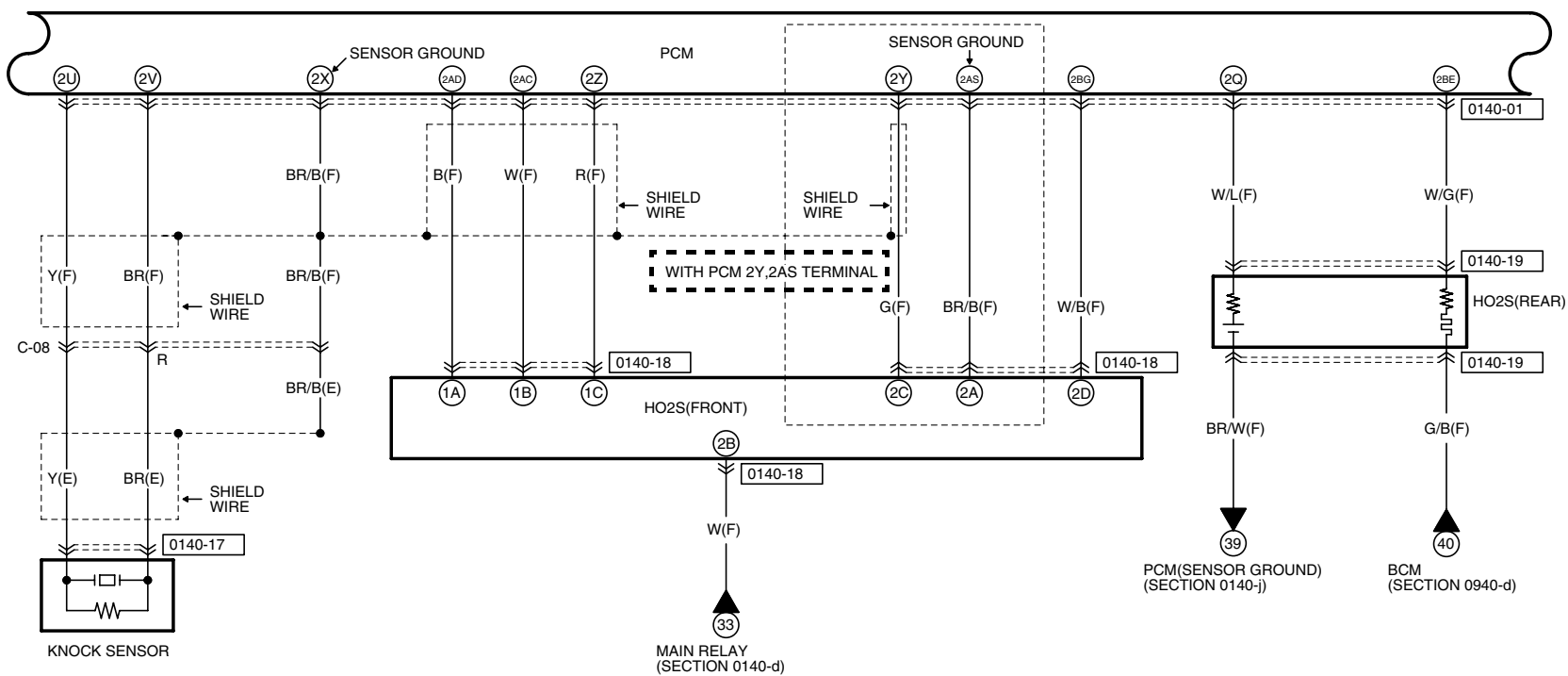
0140-16
MASS AIR FLOW/INTAKE AIR TEMPERATURE SENSOR
[BLACK]

0140-12
VARIABLE AIR DUCT CONTROL SOLENOID VALVE
[GREEN]

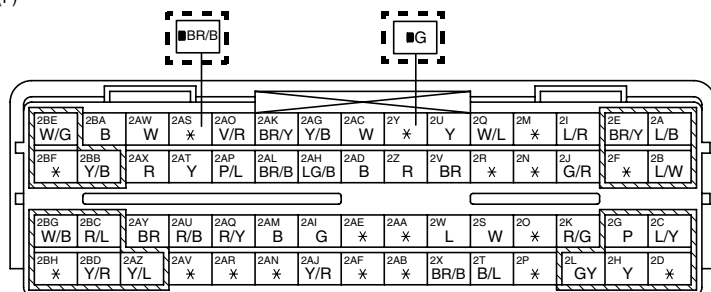


0140-01
PCM

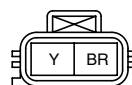
■: WITH PCM 2Y,2AS TERMINAL
*: VACANT



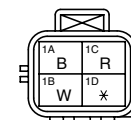
0140-01
PCM(F)



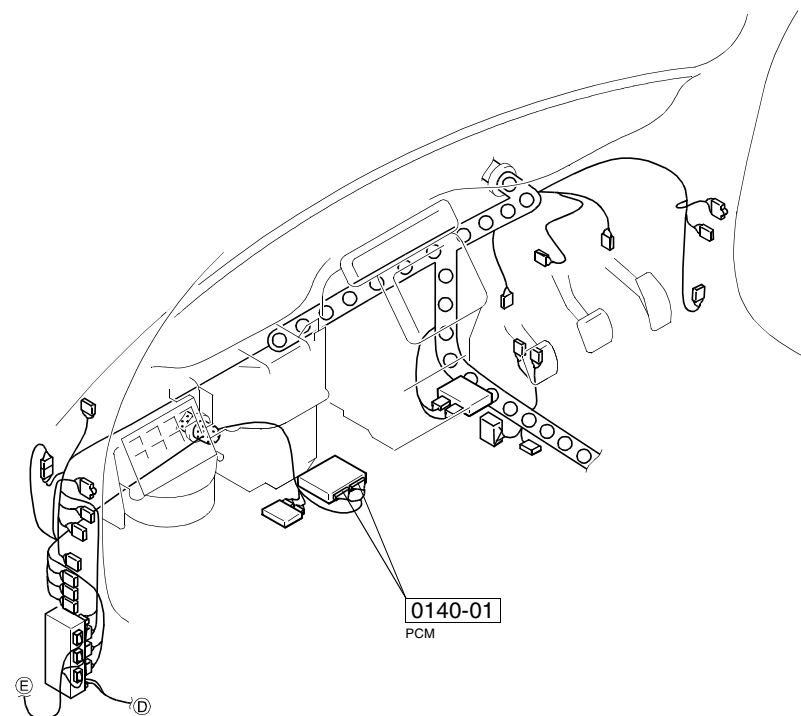
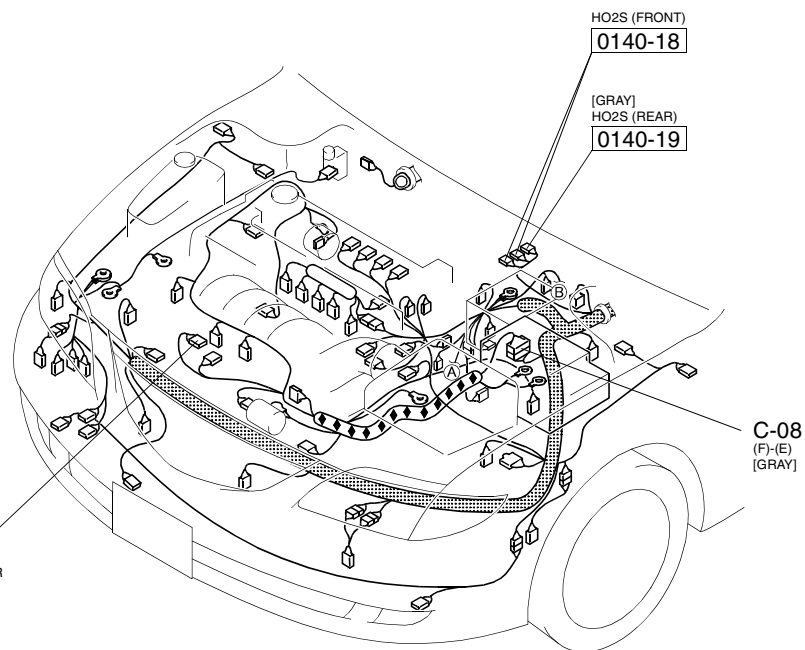
0140-17
KNOCK SENSOR(E)



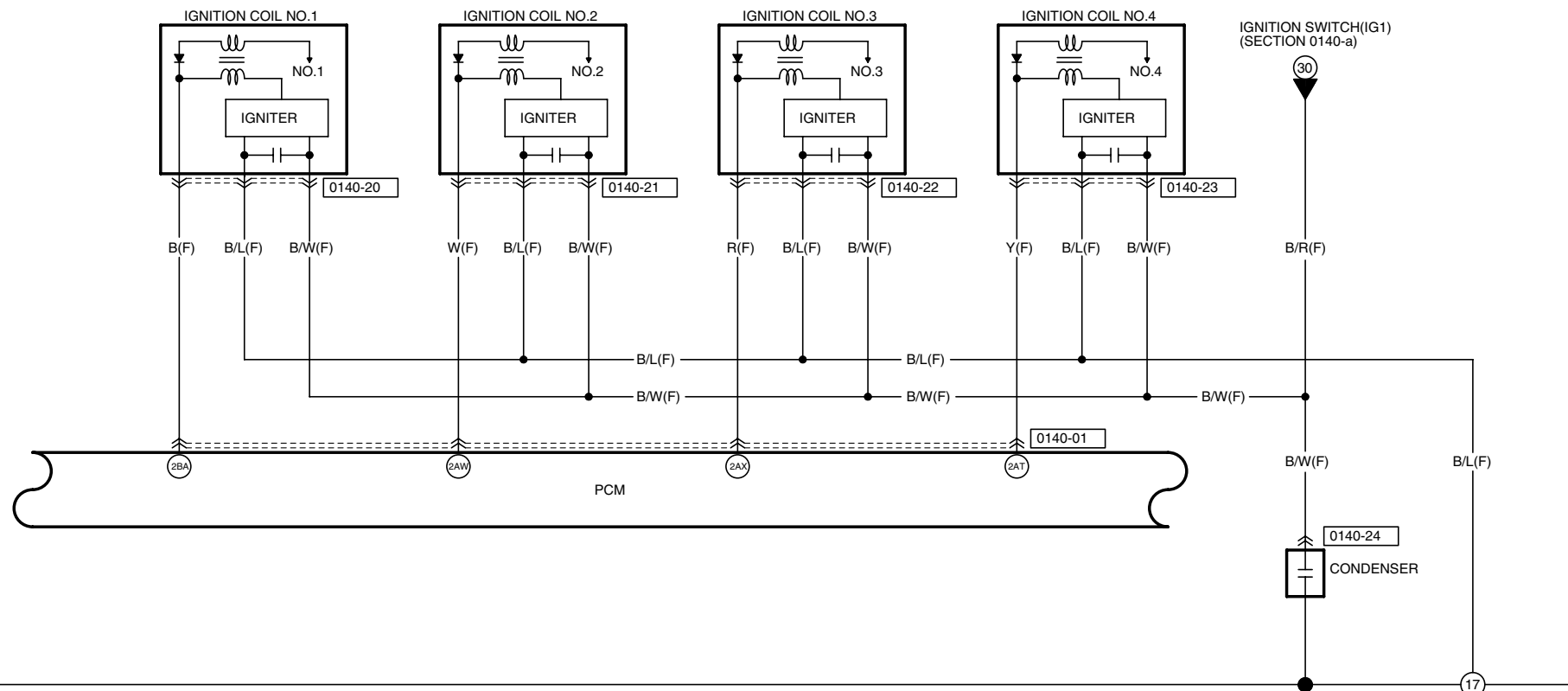
0140-18
HO2S(FRONT)(F)



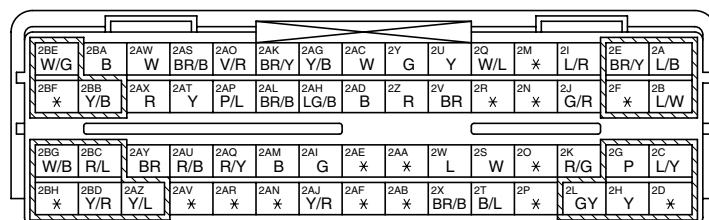
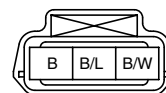
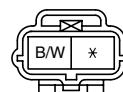
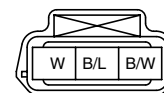
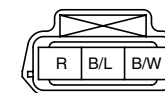
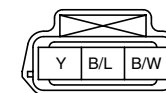
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



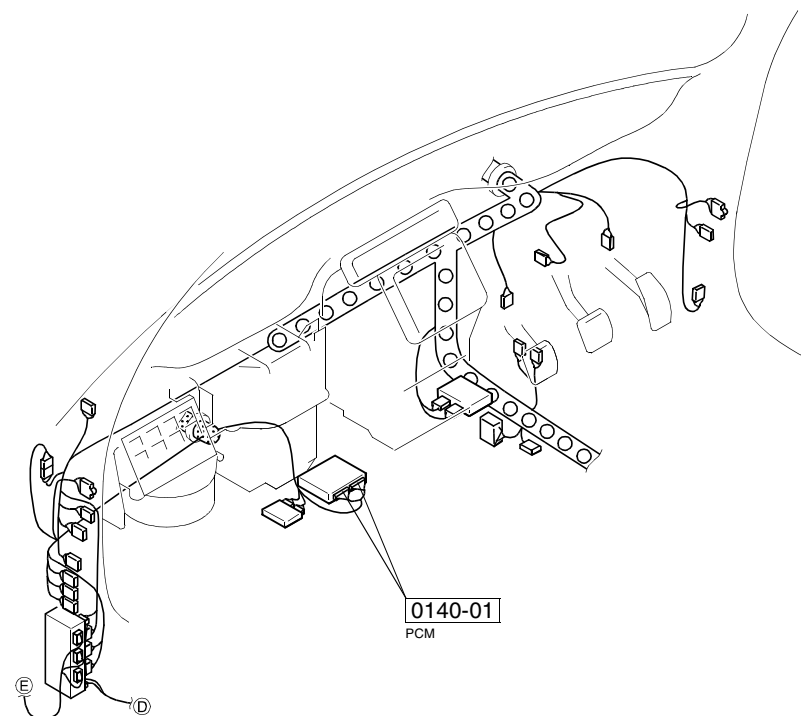
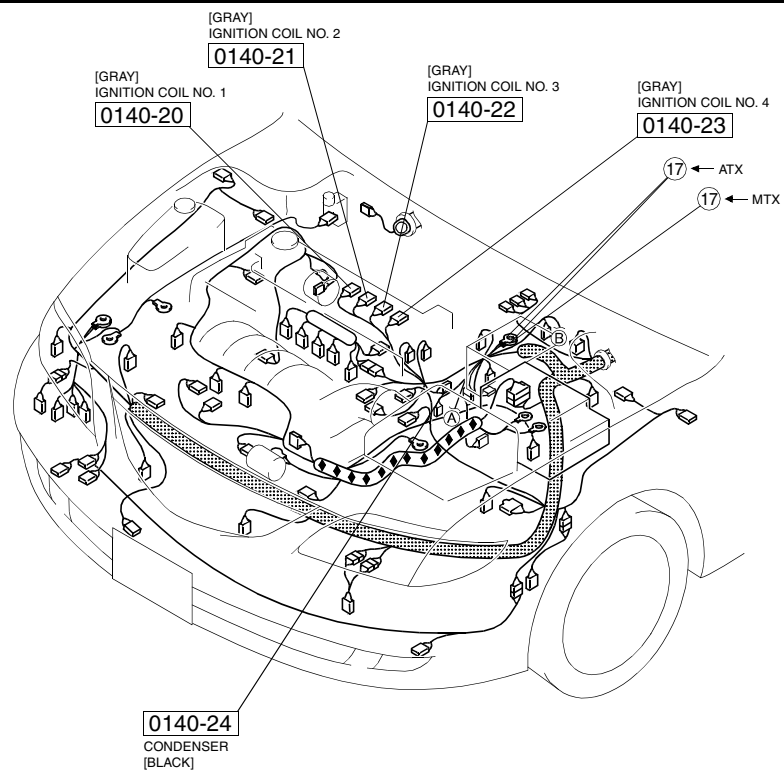
*: VACANT



TTT

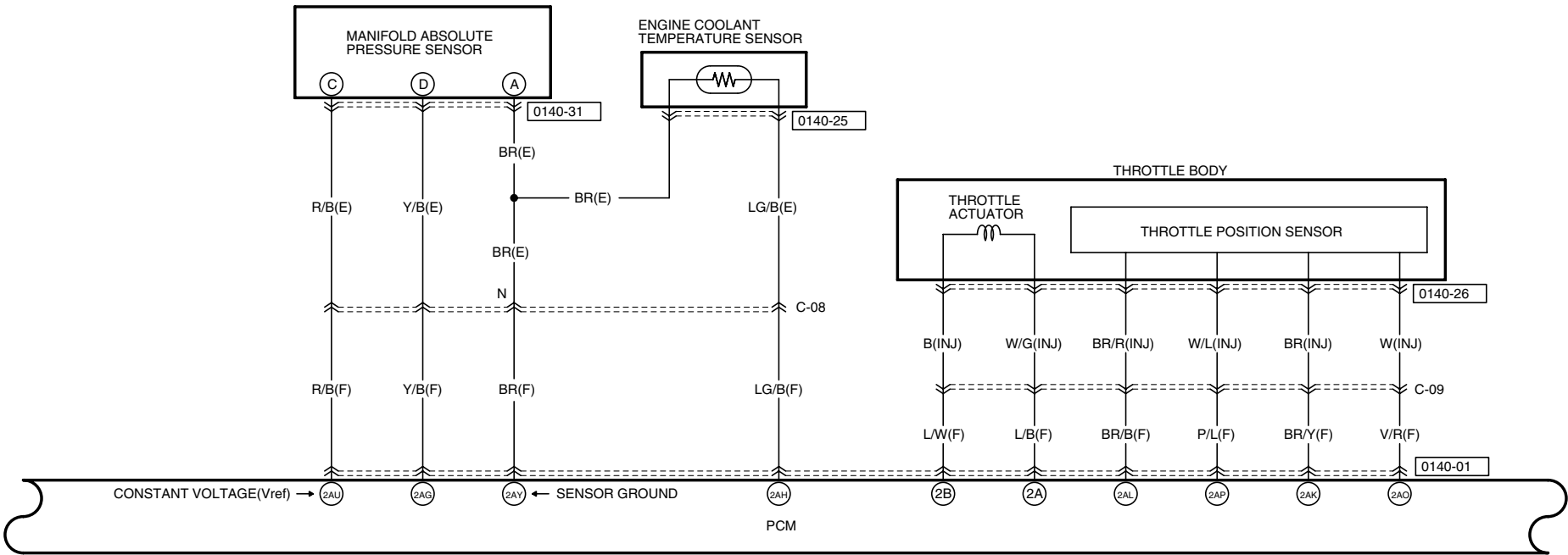
0140-01
PCM(F)0140-20
IGNITION COIL NO.1(F)0140-24
CONDENSER(F)0140-21
IGNITION COIL NO.2(F)0140-22
IGNITION COIL NO.3(F)0140-23
IGNITION COIL NO.4(F)

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



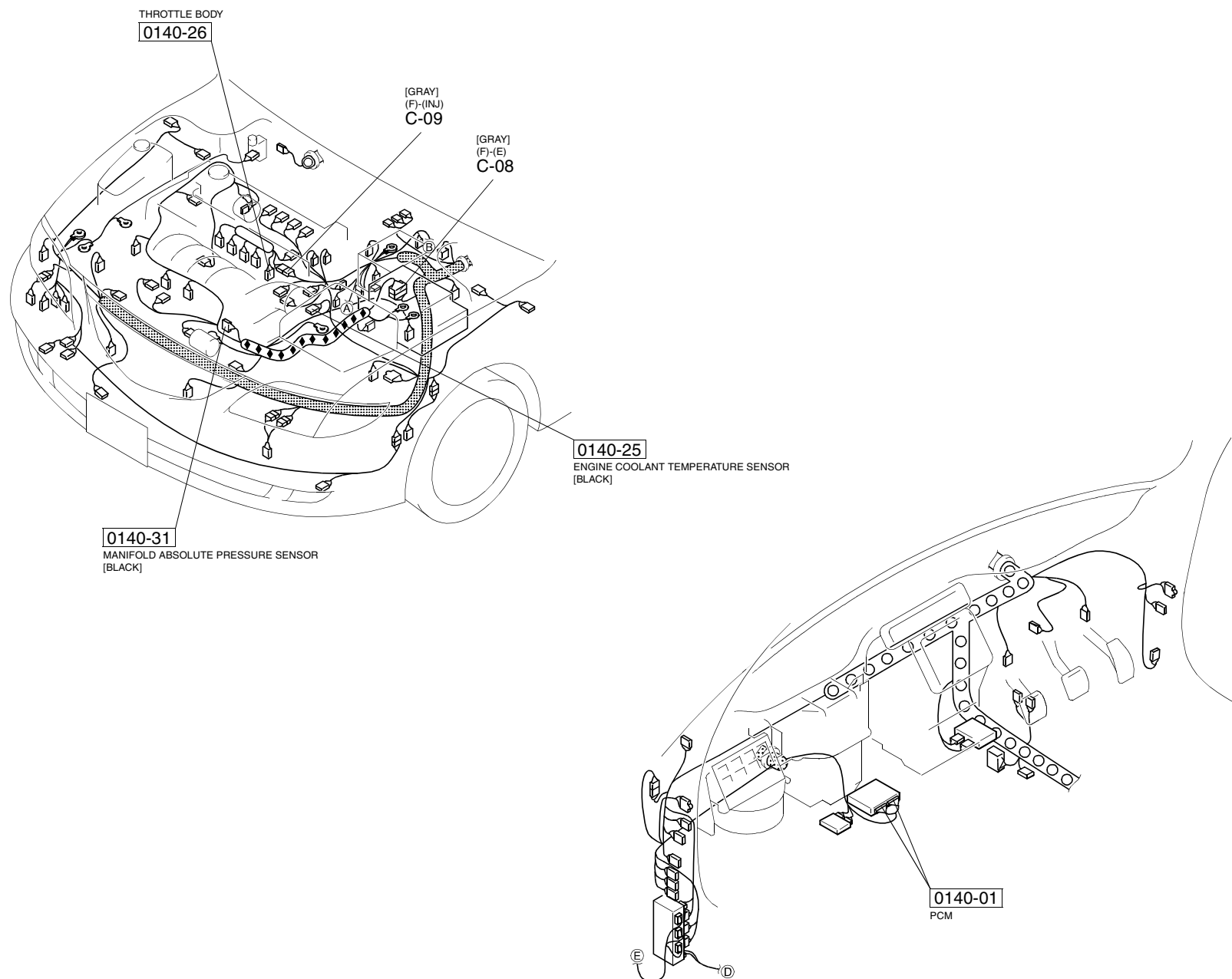
※: VACANT

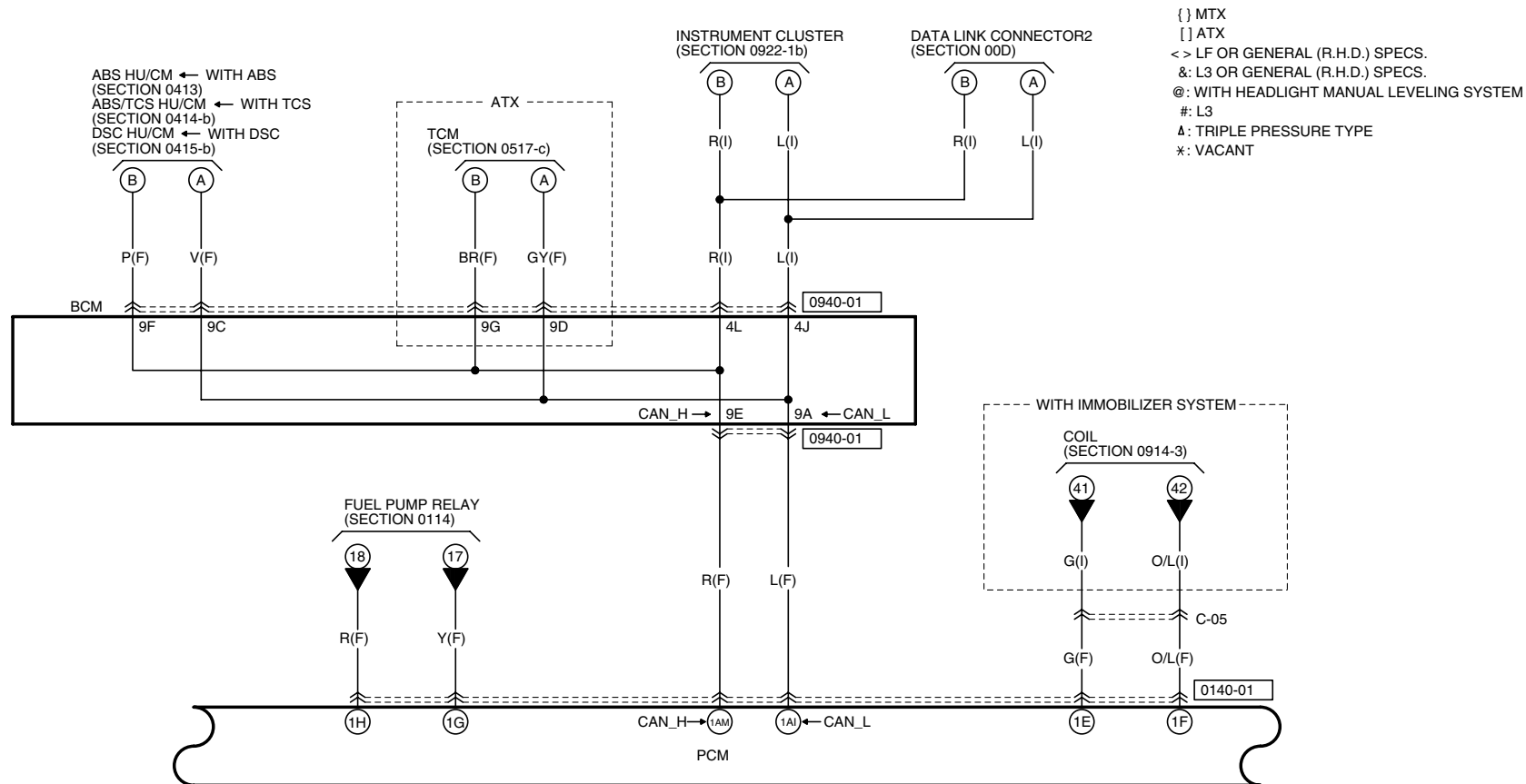
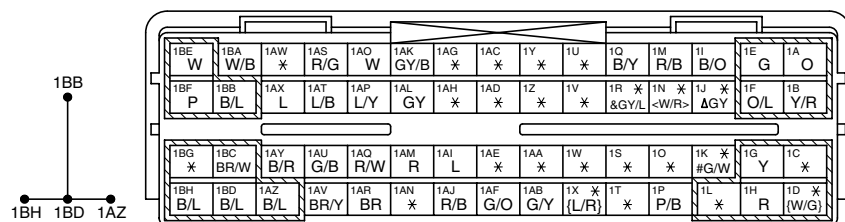
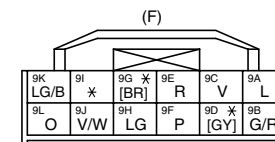
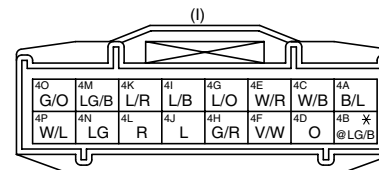
64



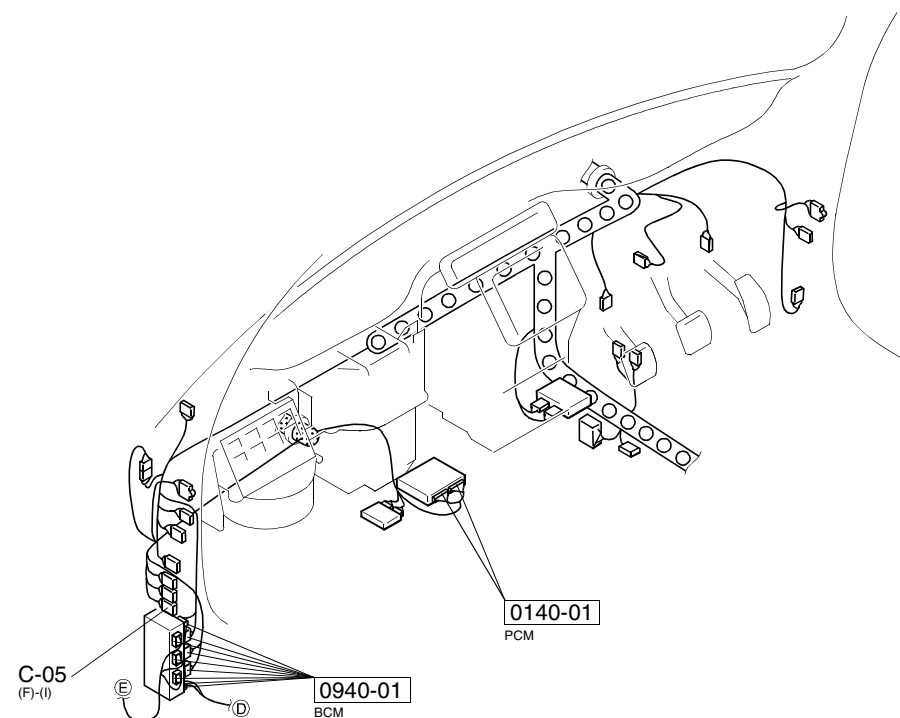
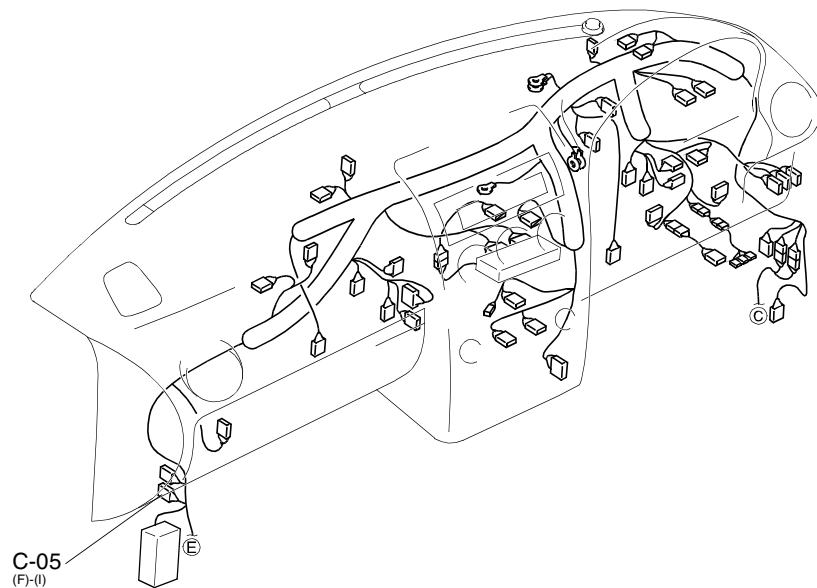
<div>0140-01</div> <div>PCM(F)</div> <div></div>	<div>0140-25</div> <div>ENGINE COOLANT TEMPERATURE SENSOR(E)</div> <div></div>	<div>0140-26</div> <div>THROTTLE BODY(INJ)</div> <div></div>	<div>0140-31</div> <div>MANIFOLD ABSOLUTE PRESSURE SENSOR(E)</div> <div></div>
--------------------------------------------------	--------------------------------------------------------------------------------	--------------------------------------------------------------	--------------------------------------------------------------------------------

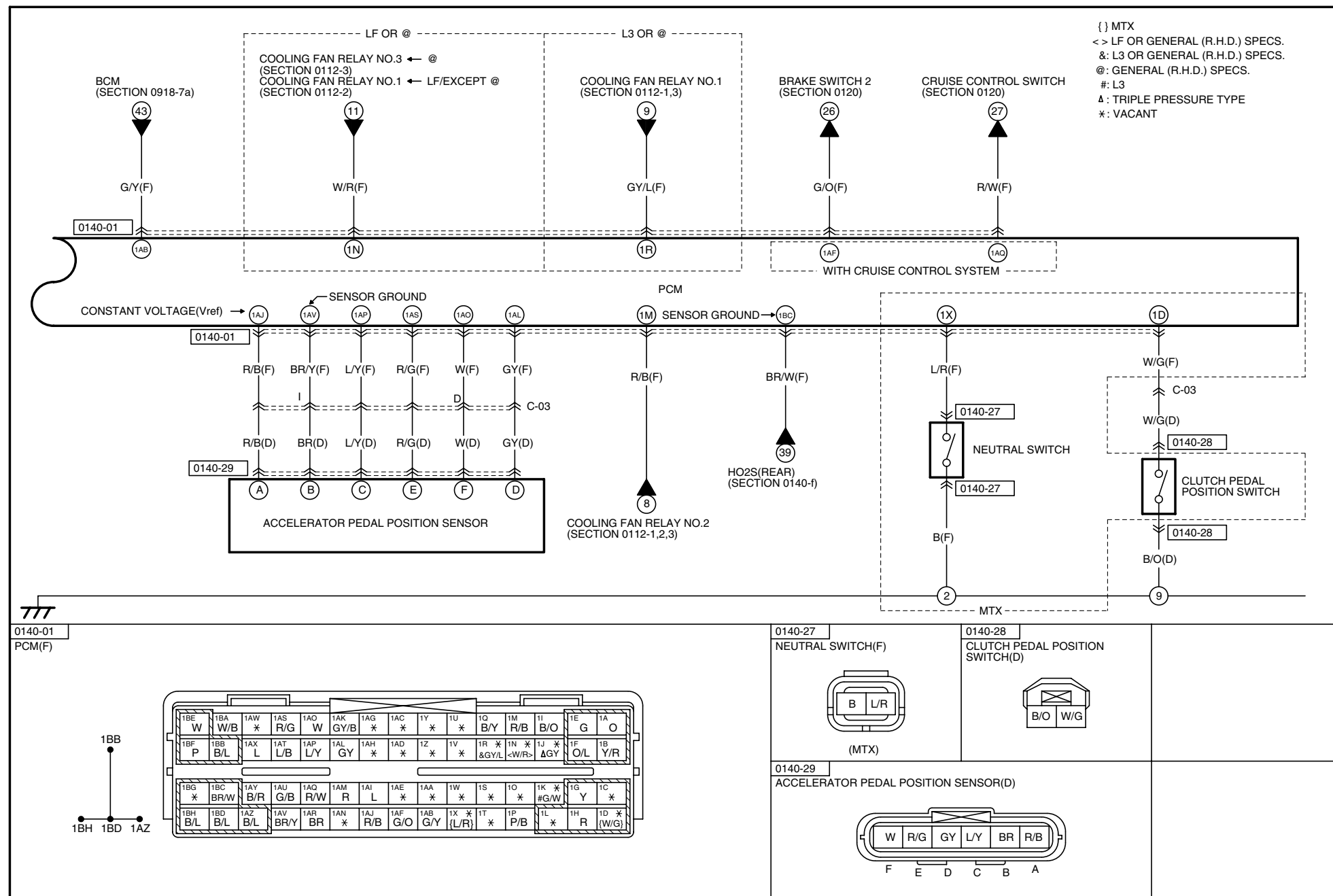
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



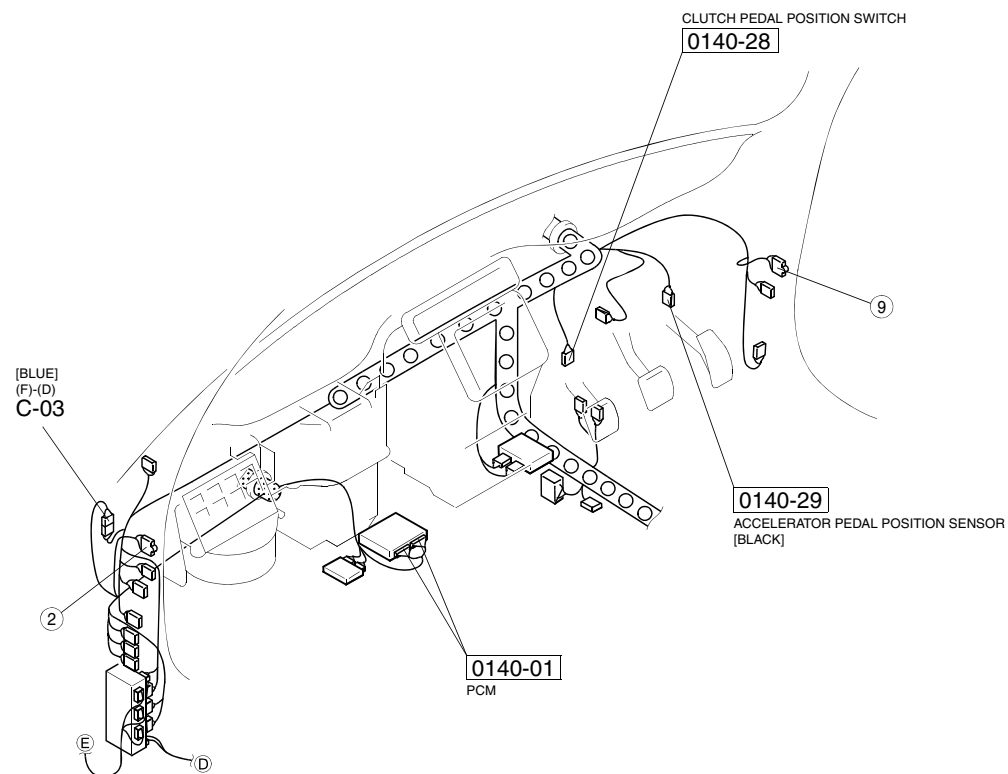
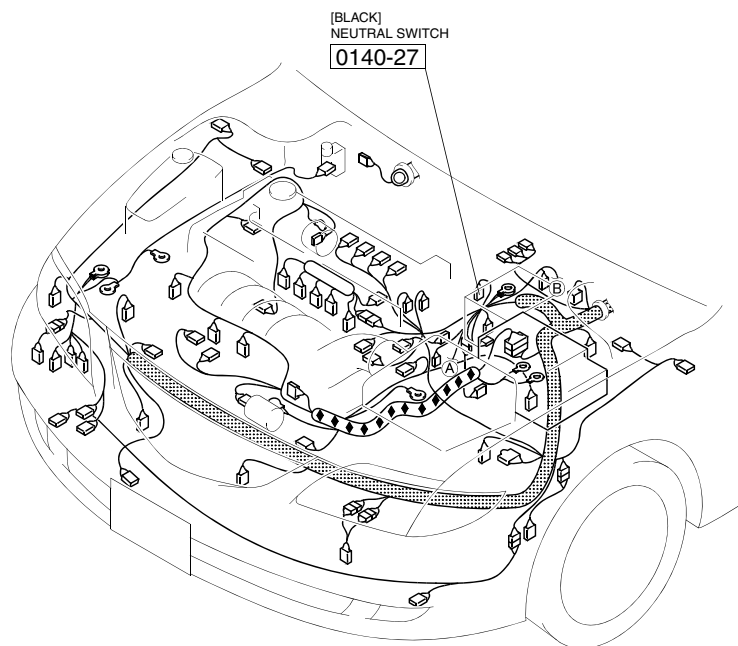
0140-01
PCM(F)0940-01
BCM

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





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

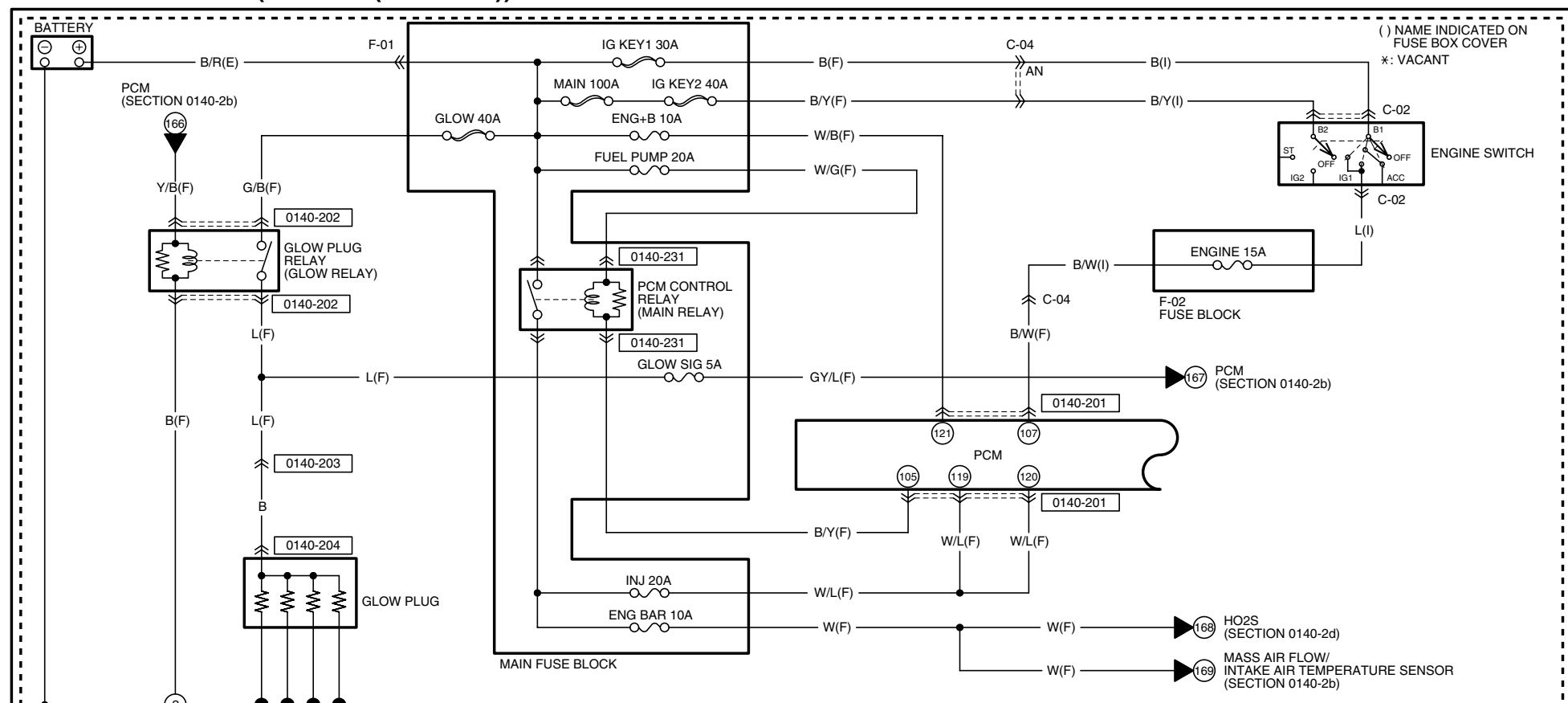


01 ENGINE
40 CONTROL SYSTEM

0140-j

CONTROL SYSTEM (MZR-CD (RF Turbo))

0140-2a

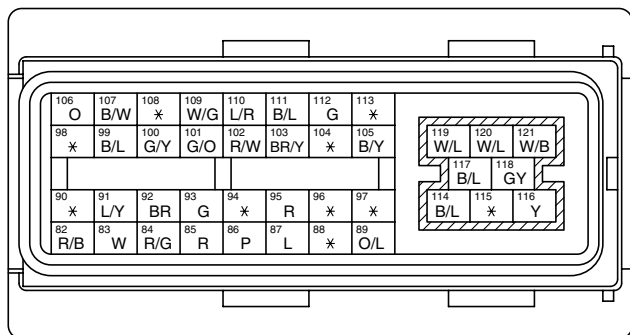


Mazda6 Wiring Diagram (5645-1*-05F)

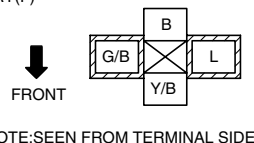
68-2

Revised 9/2006 (Ref. No. L116/06)

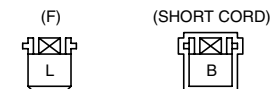
0140-201
PCM(F)



0140-202
GLOW PLUG RELAY(F)



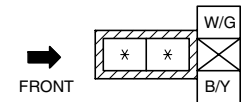
0140-203
FRONT(F)-SHORT CORD



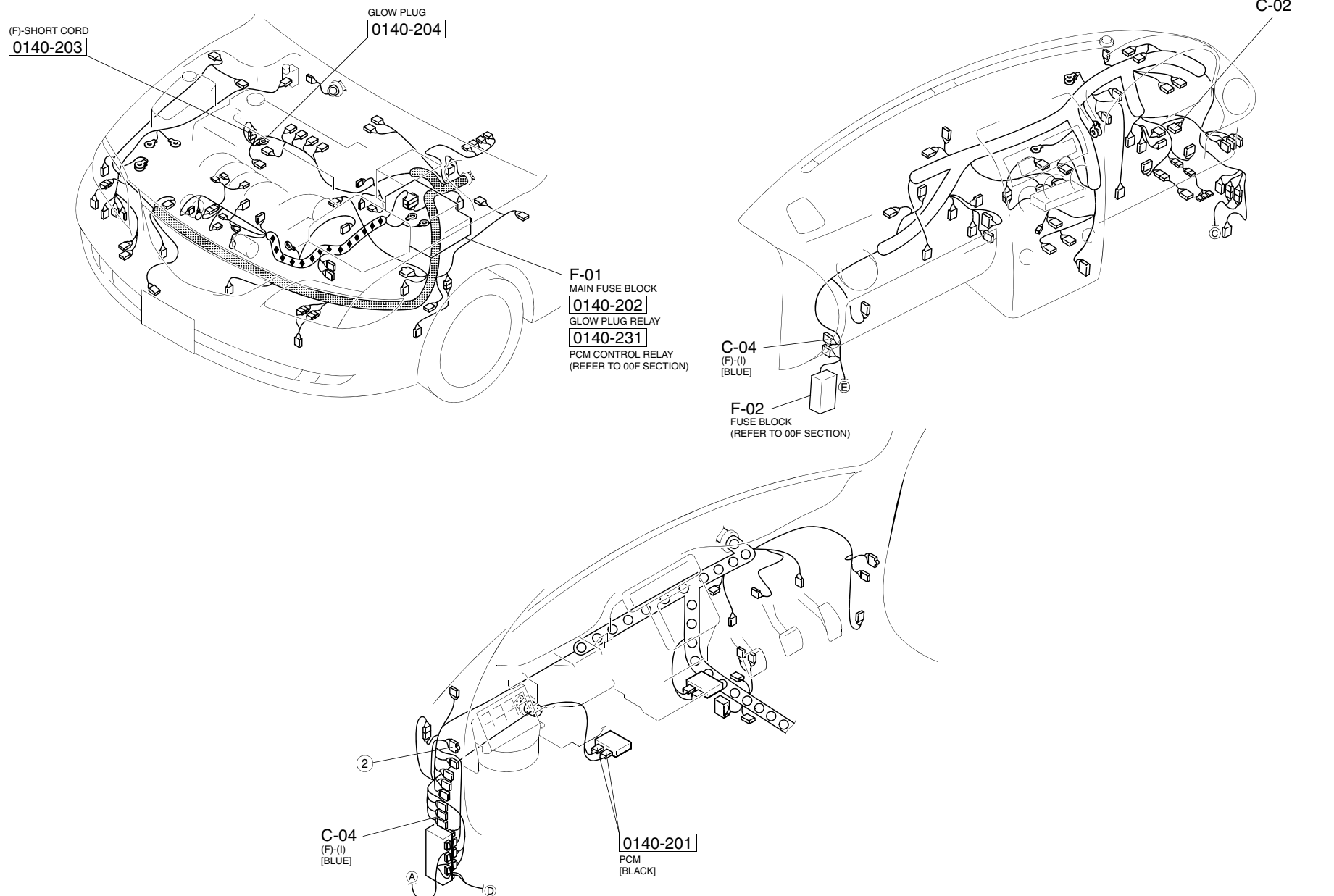
0140-204
GLOW PLUG(SHORT CORD)



0140-231
PCM CONTROL RELAY(F)

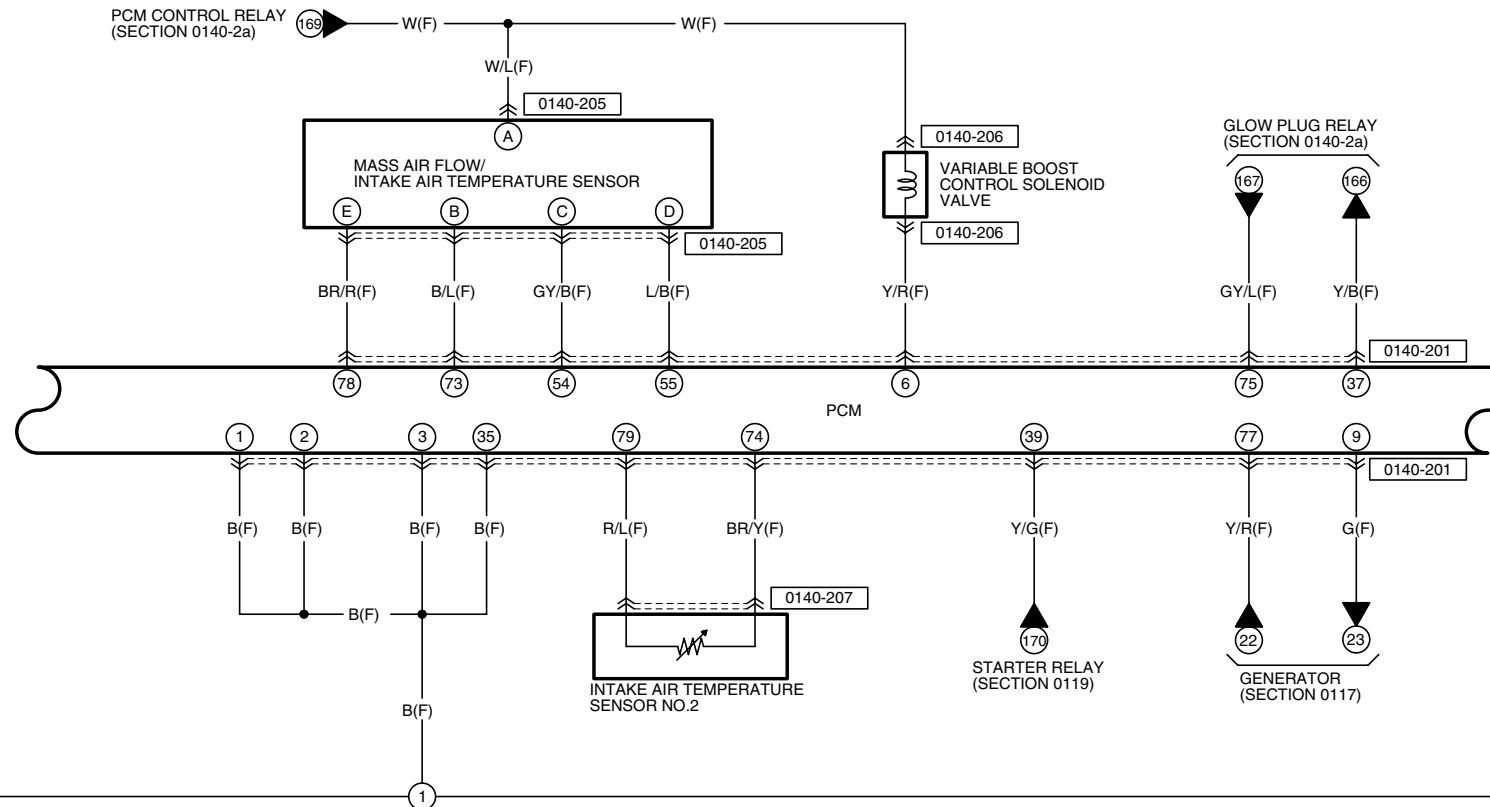


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



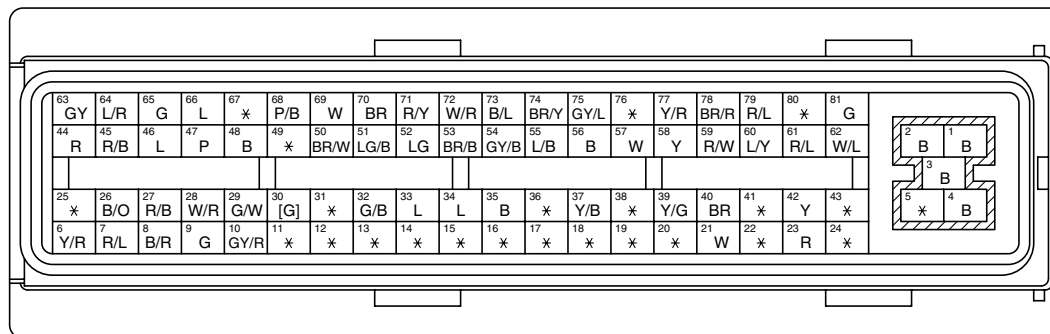
Mazda6 Wiring Diagram (5645-1*-05F)

[] NOT USED
*: VACANT

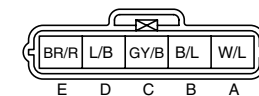


777

0140-201
PCM(F)



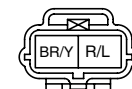
0140-205
MASS AIR FLOW/INTAKE AIR TEMPERATURE SENSOR(F)



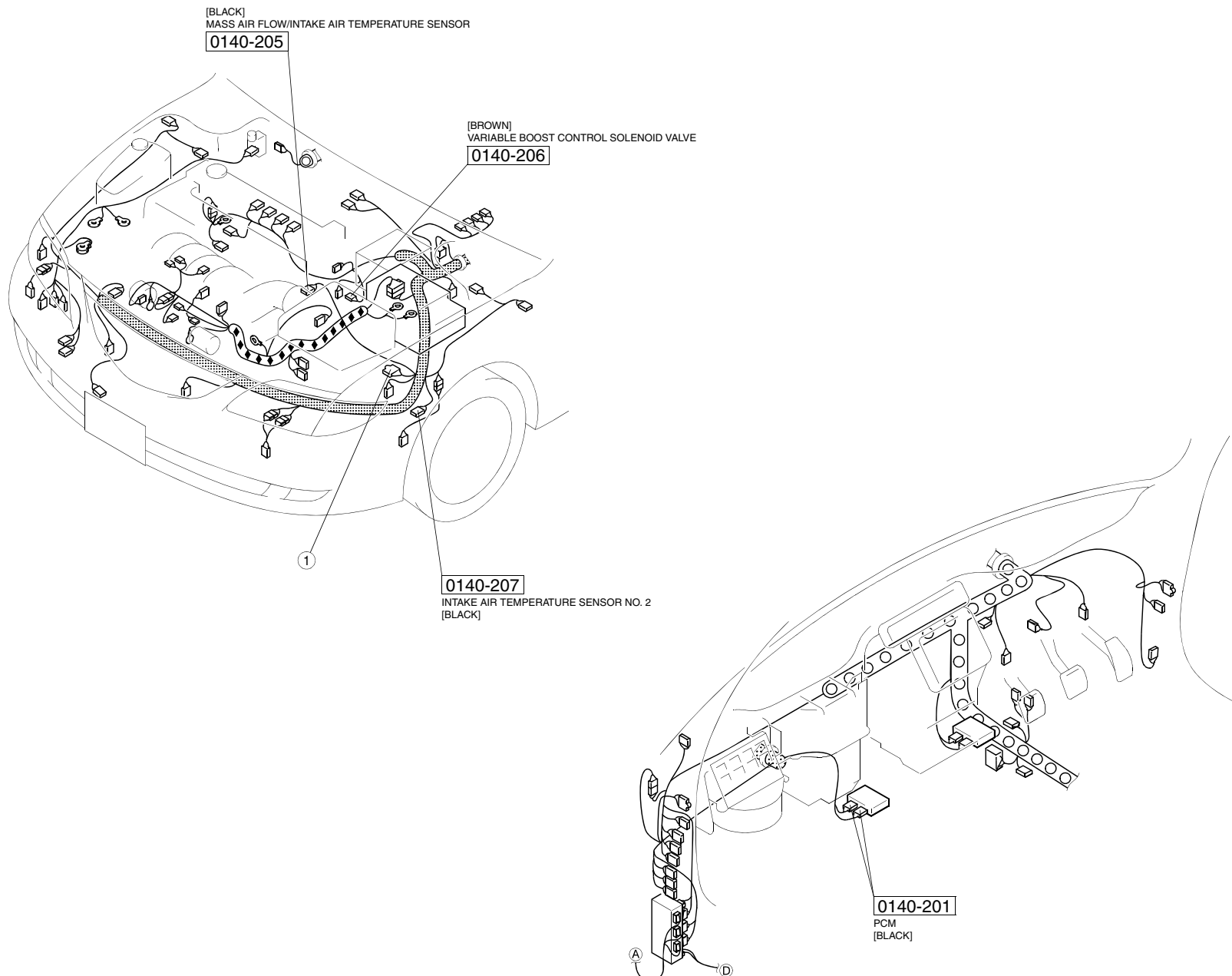
0140-206
VARIABLE BOOST CONTROL SOLENOID VALVE(F)



0140-207
INTAKE AIR TEMPERATURE SENSOR NO.2(F)



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

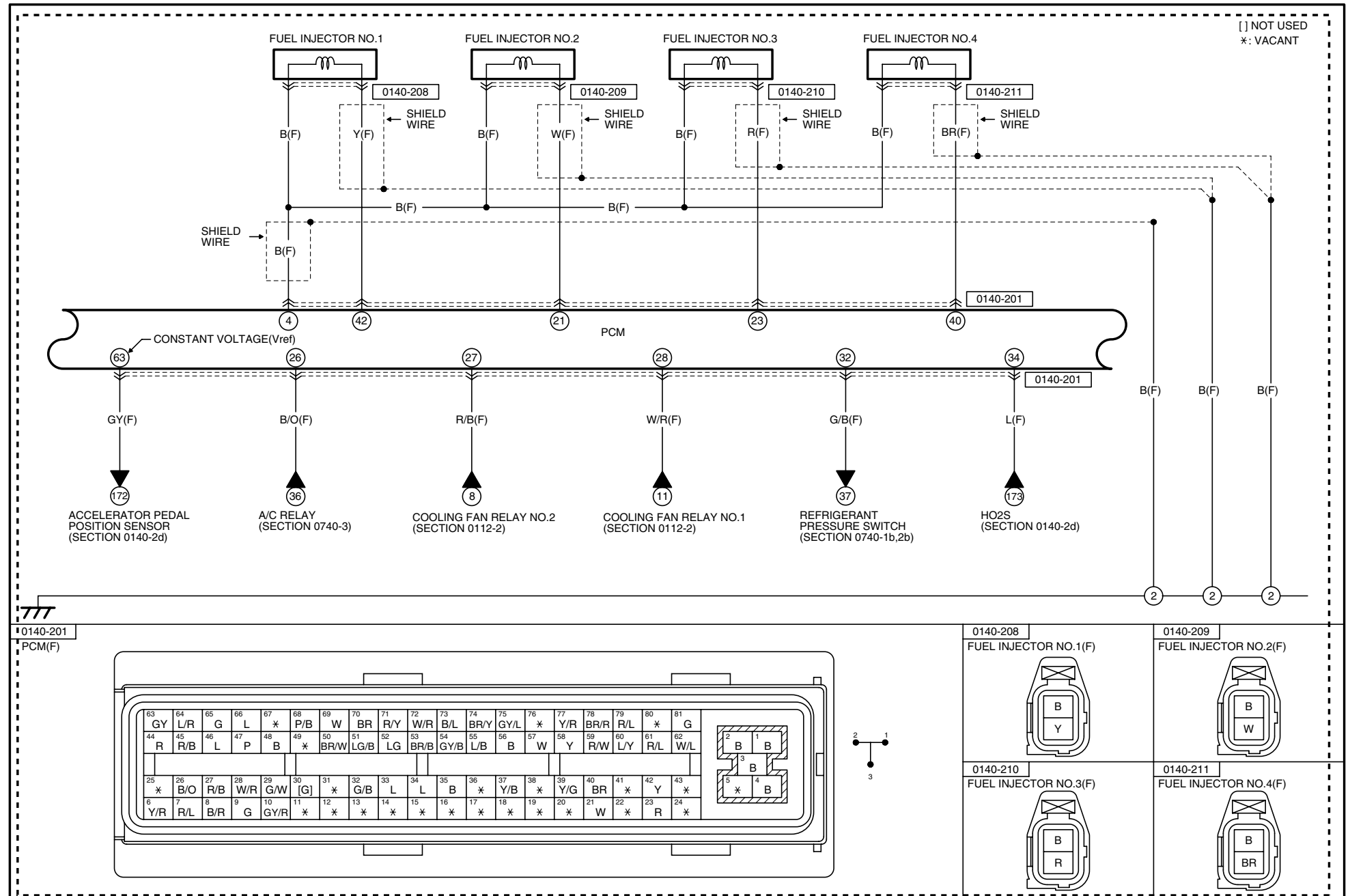


01 ENGINE
40 CONTROL SYSTEM

0140-2b

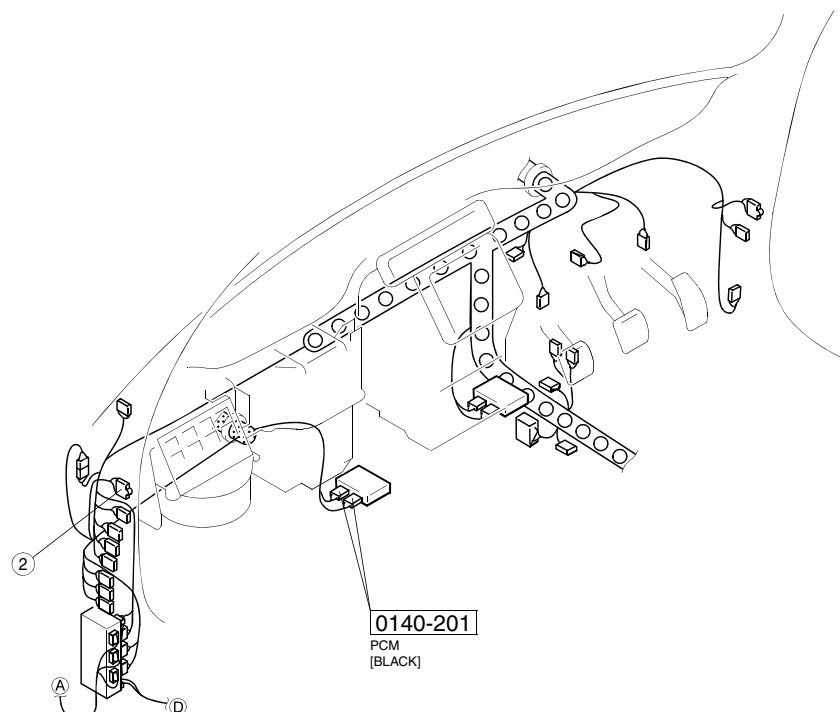
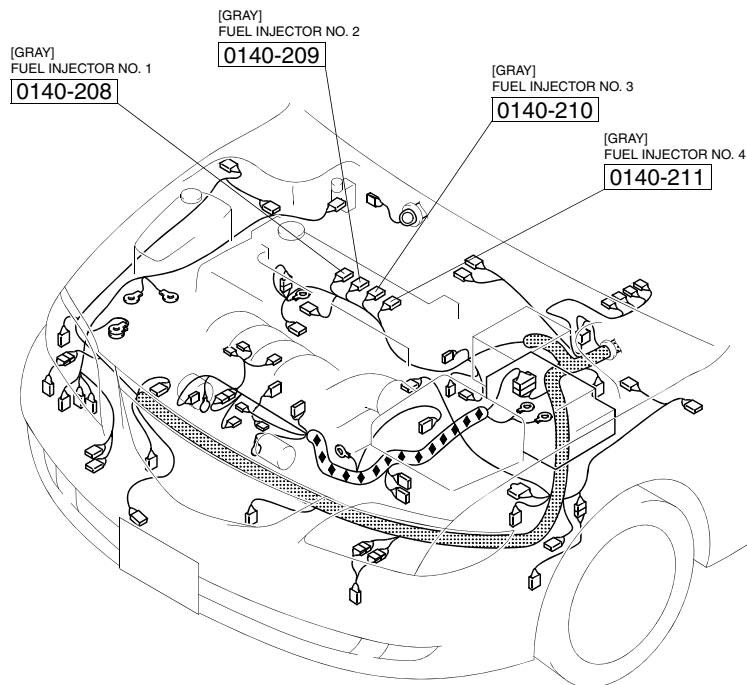
CONTROL SYSTEM (MZR-CD (RF Turbo))

0140-2c



Mazda6 Wiring Diagram (5645-1*-05F)

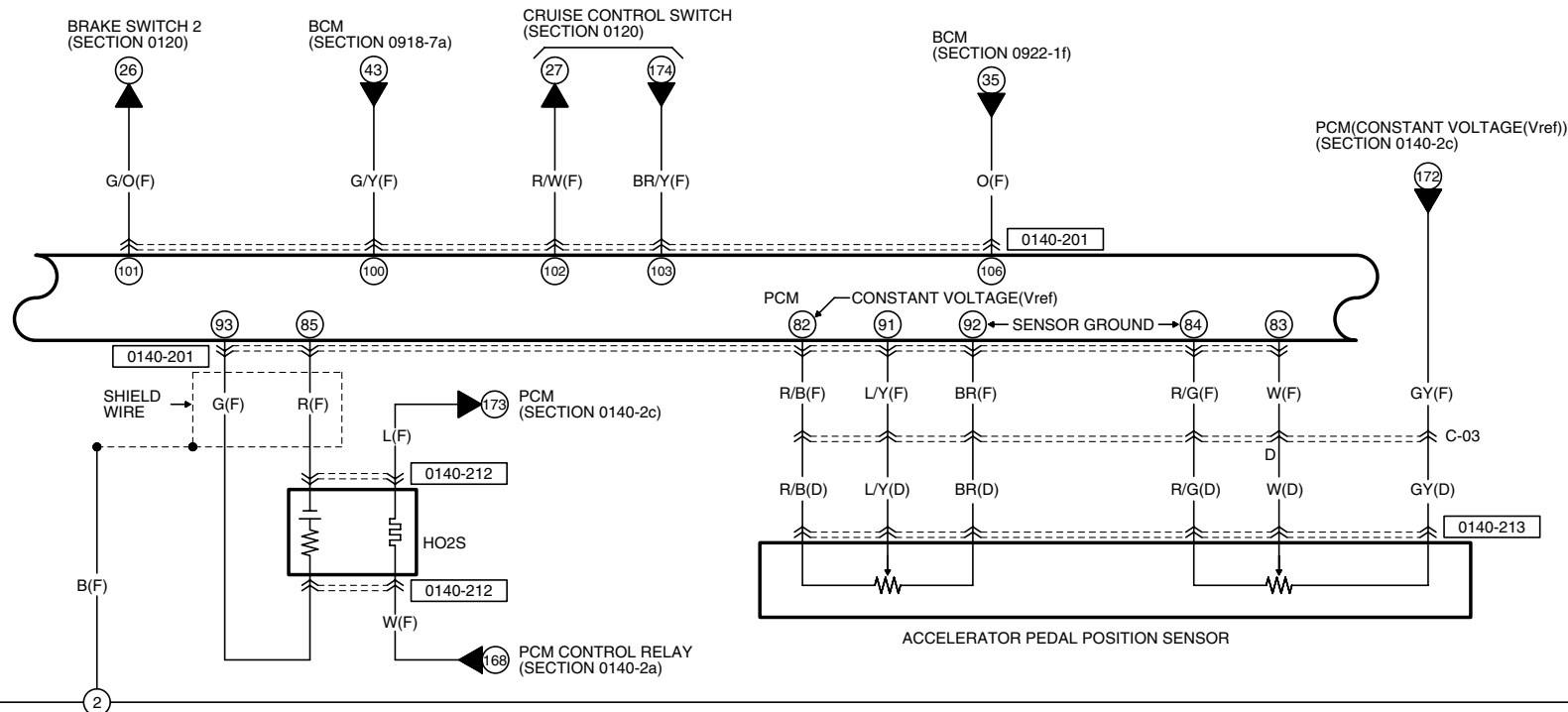
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



01 ENGINE
40 CONTROL SYSTEM

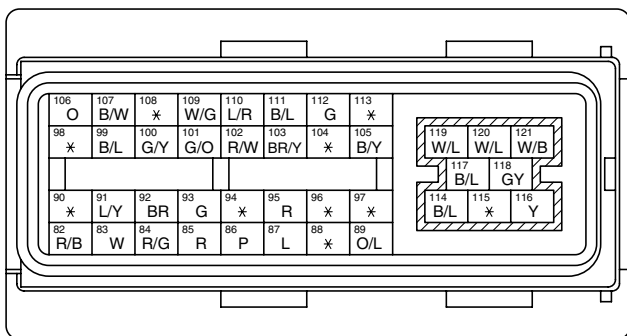
0140-2c

*: VACANT

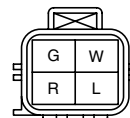


TTT

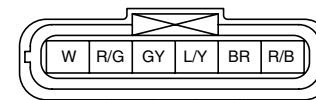
0140-201
PCM(F)



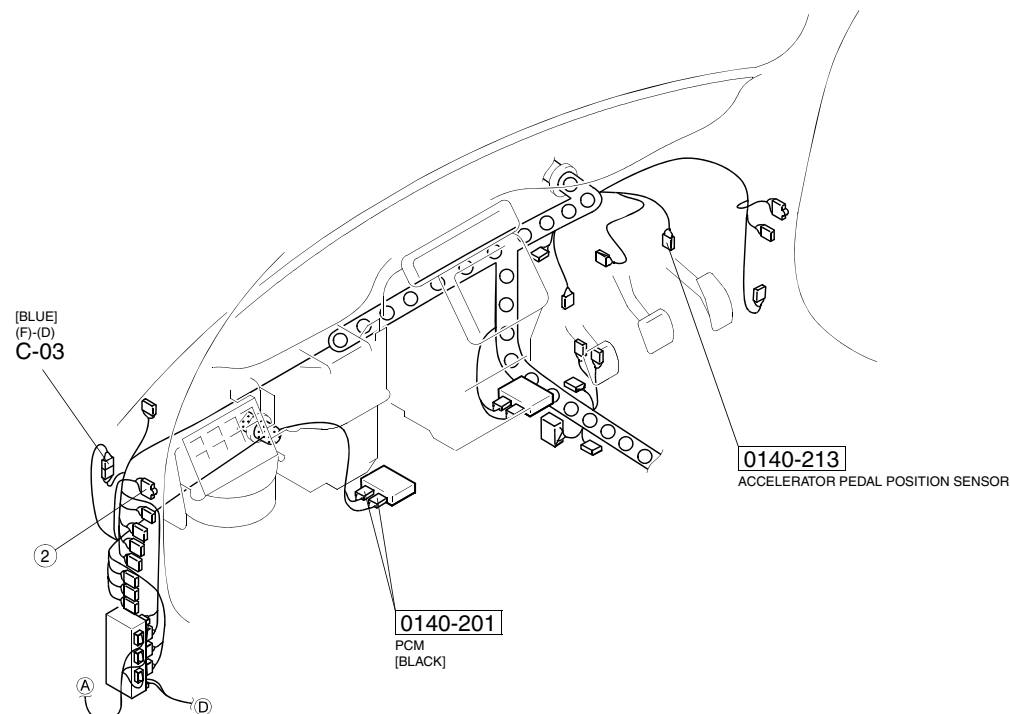
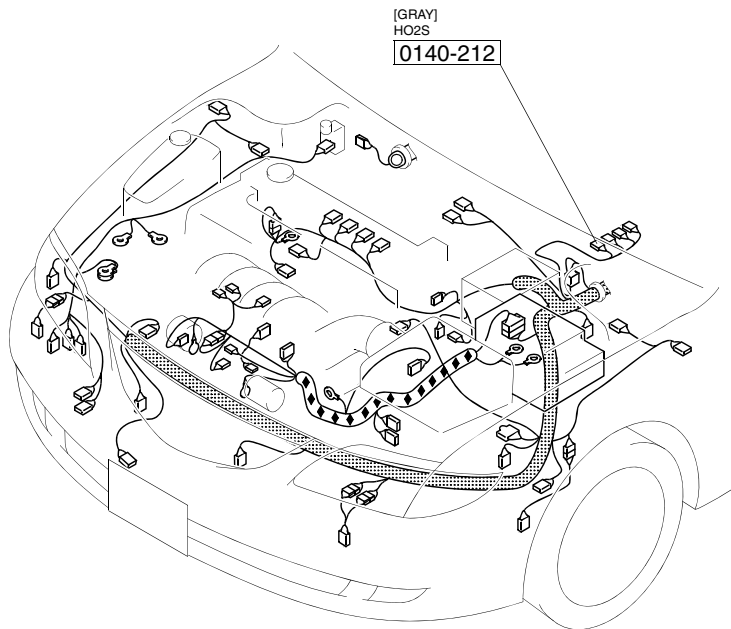
0140-212
HO2S(F)



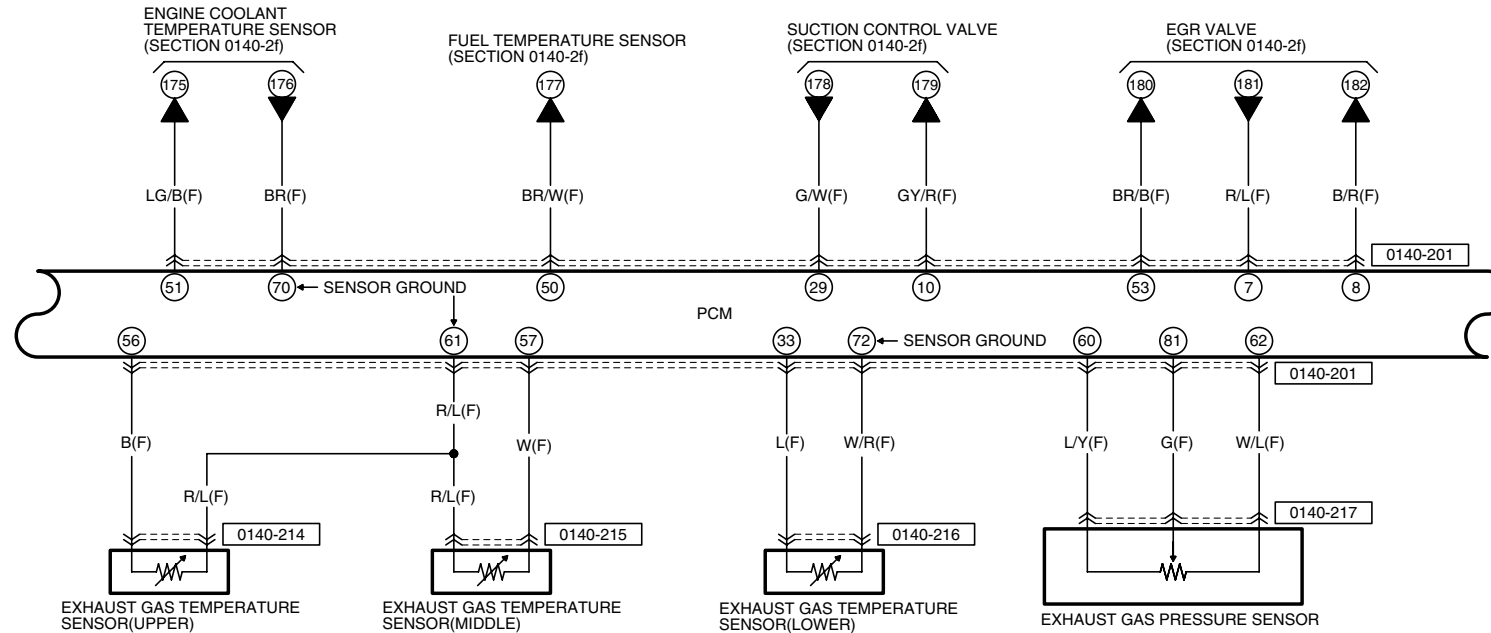
0140-213
ACCELERATOR PEDAL POSITION SENSOR(D)



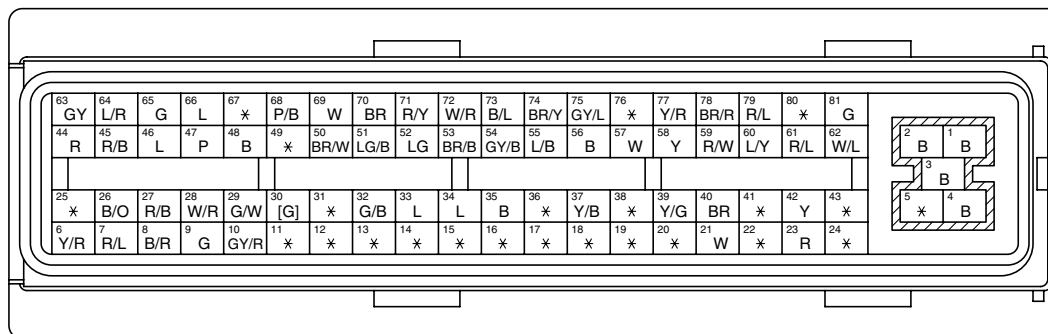
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



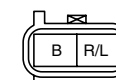
[] NOT USED
*: VACANT



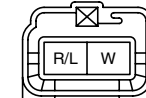
0140-201
PCM(F)



0140-214
EXHAUST GAS TEMPERATURE
SENSOR(UPPER)(F)



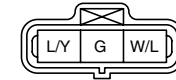
0140-215
EXHAUST GAS TEMPERATURE
SENSOR(MIDDLE)(F)



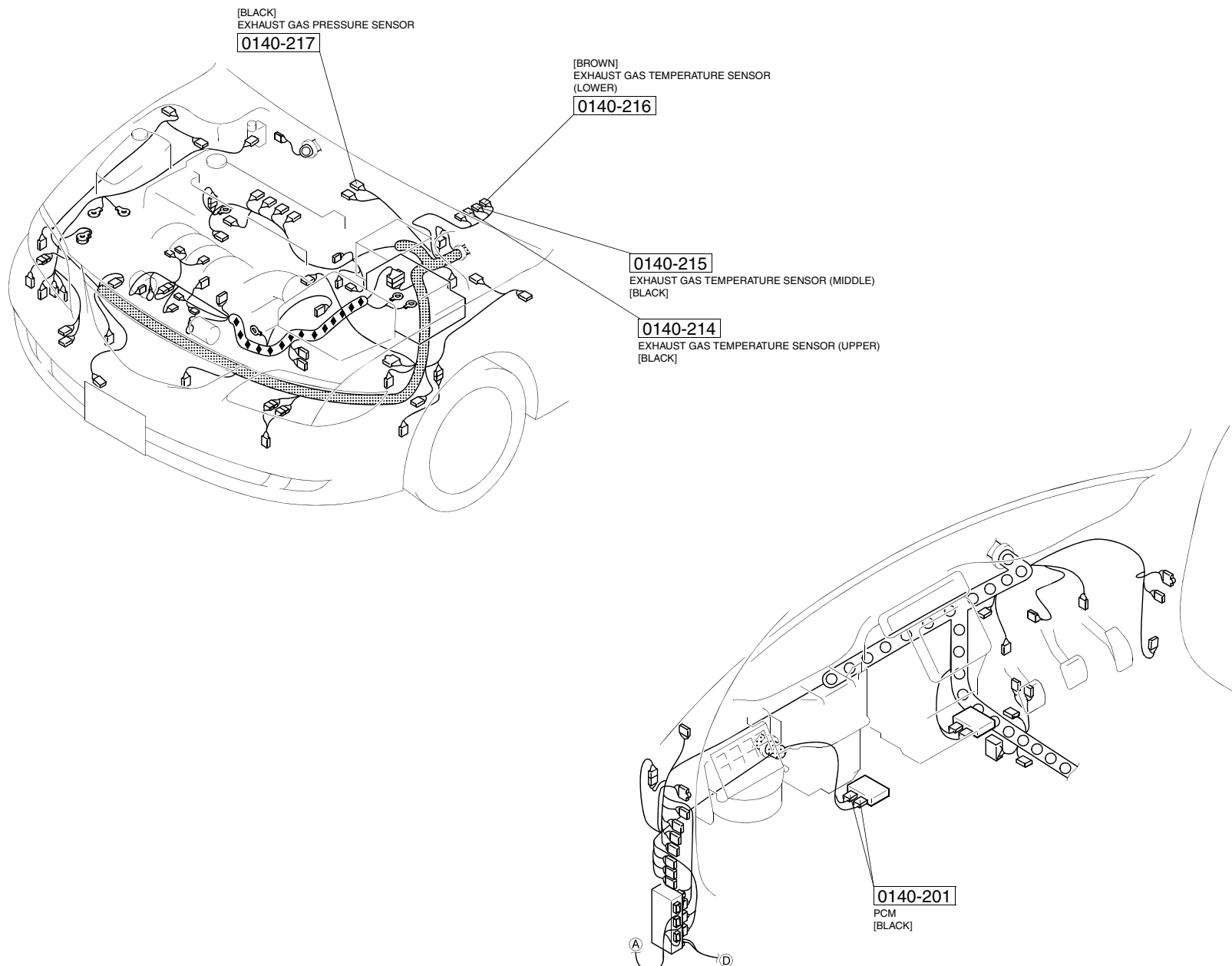
0140-216
EXHAUST GAS TEMPERATURE
SENSOR(LOWER)(F)

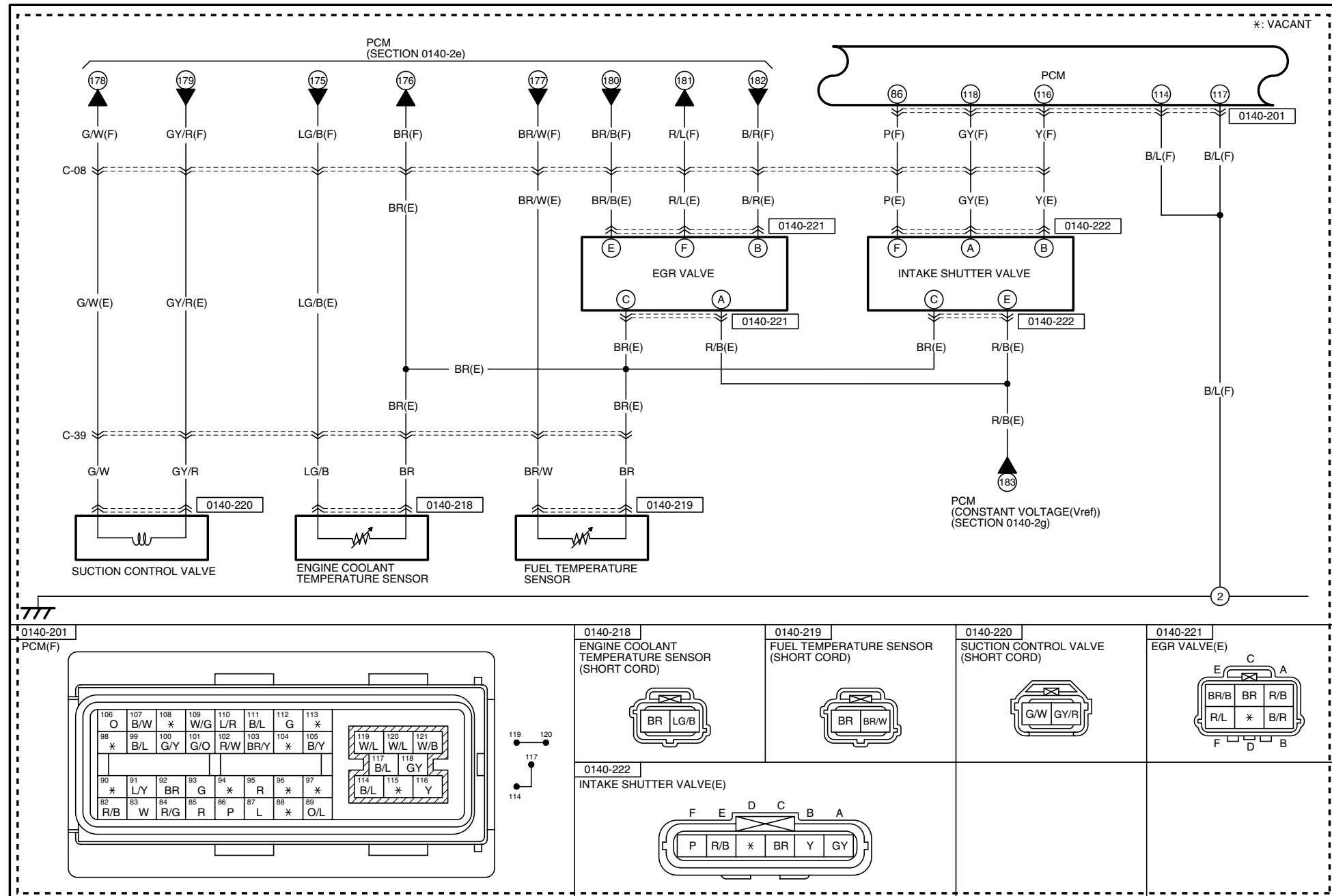


0140-217
EXHAUST GAS PRESSURE
SENSOR(F)

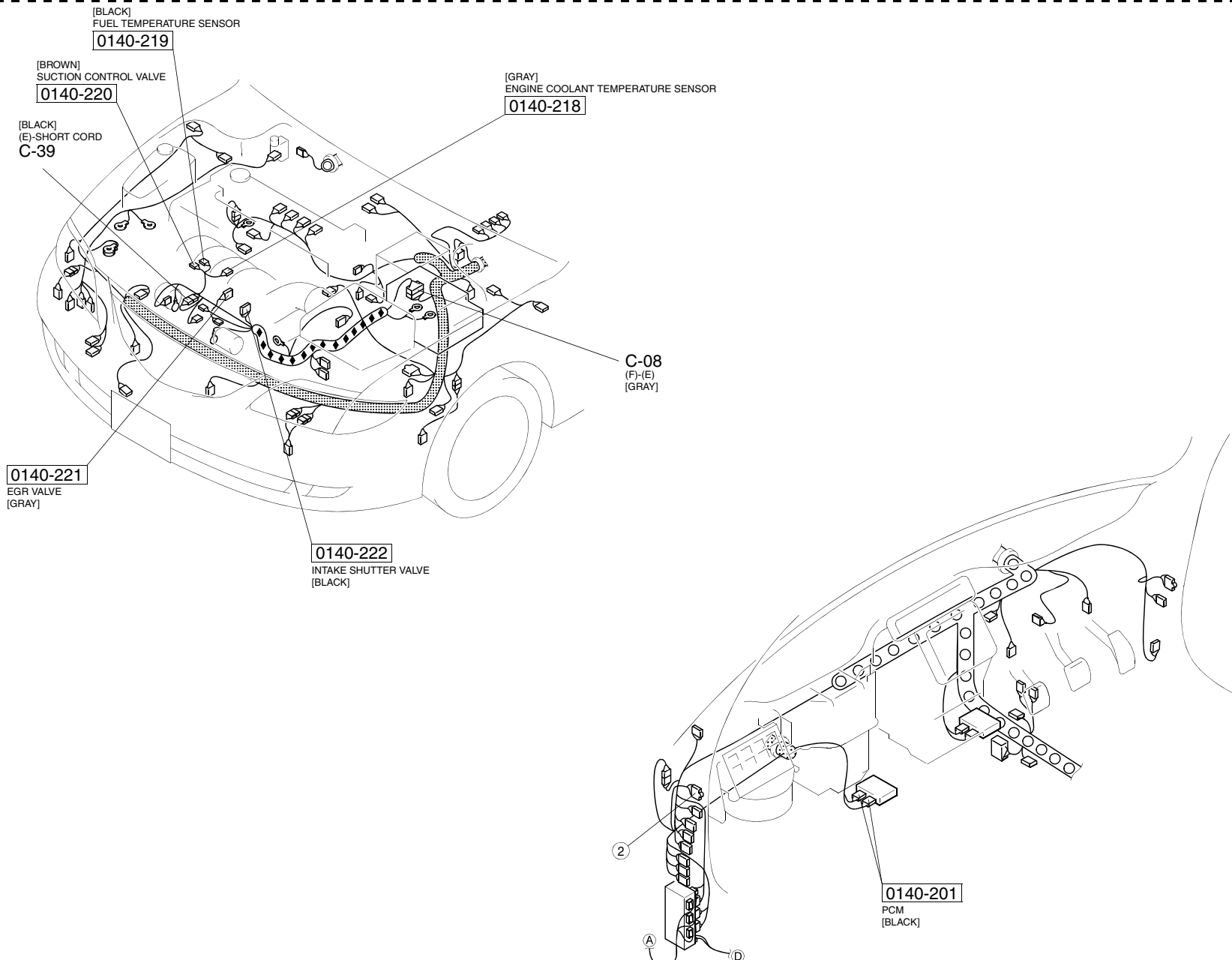


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

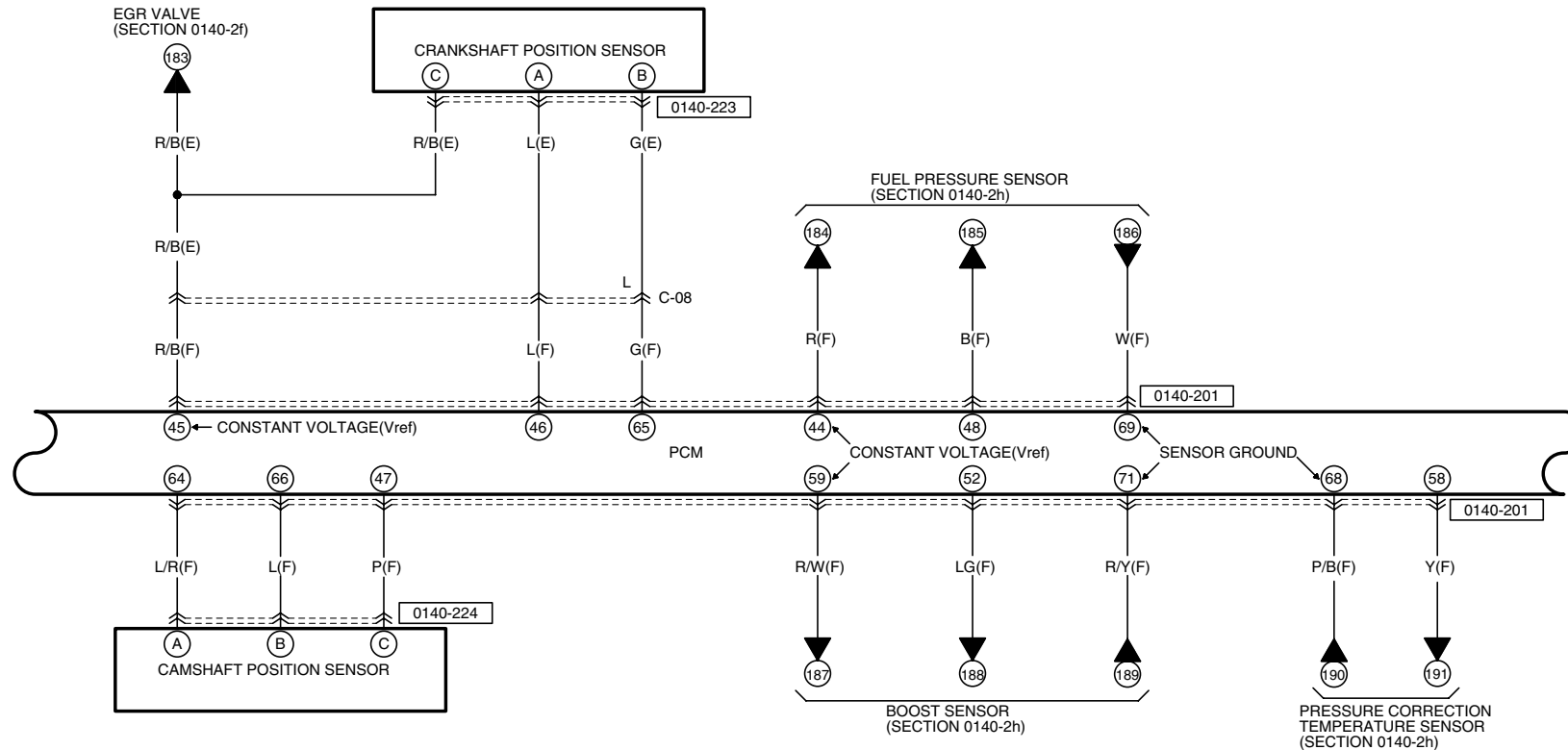




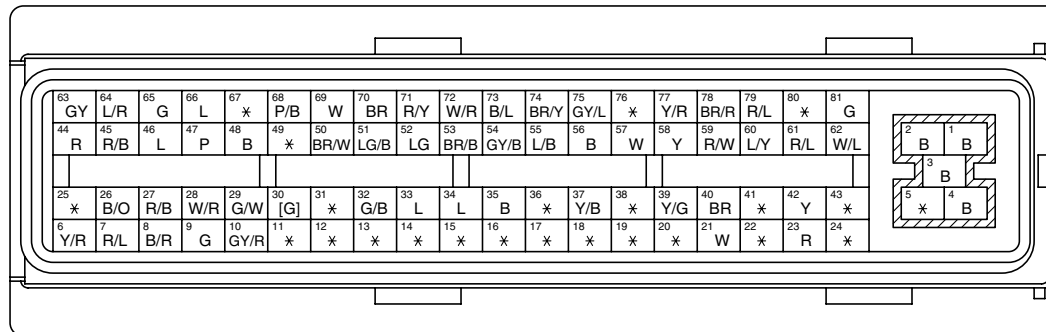
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



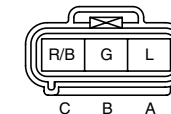
[] NOT USED
*: VACANT



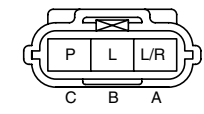
0140-201
PCM(F)



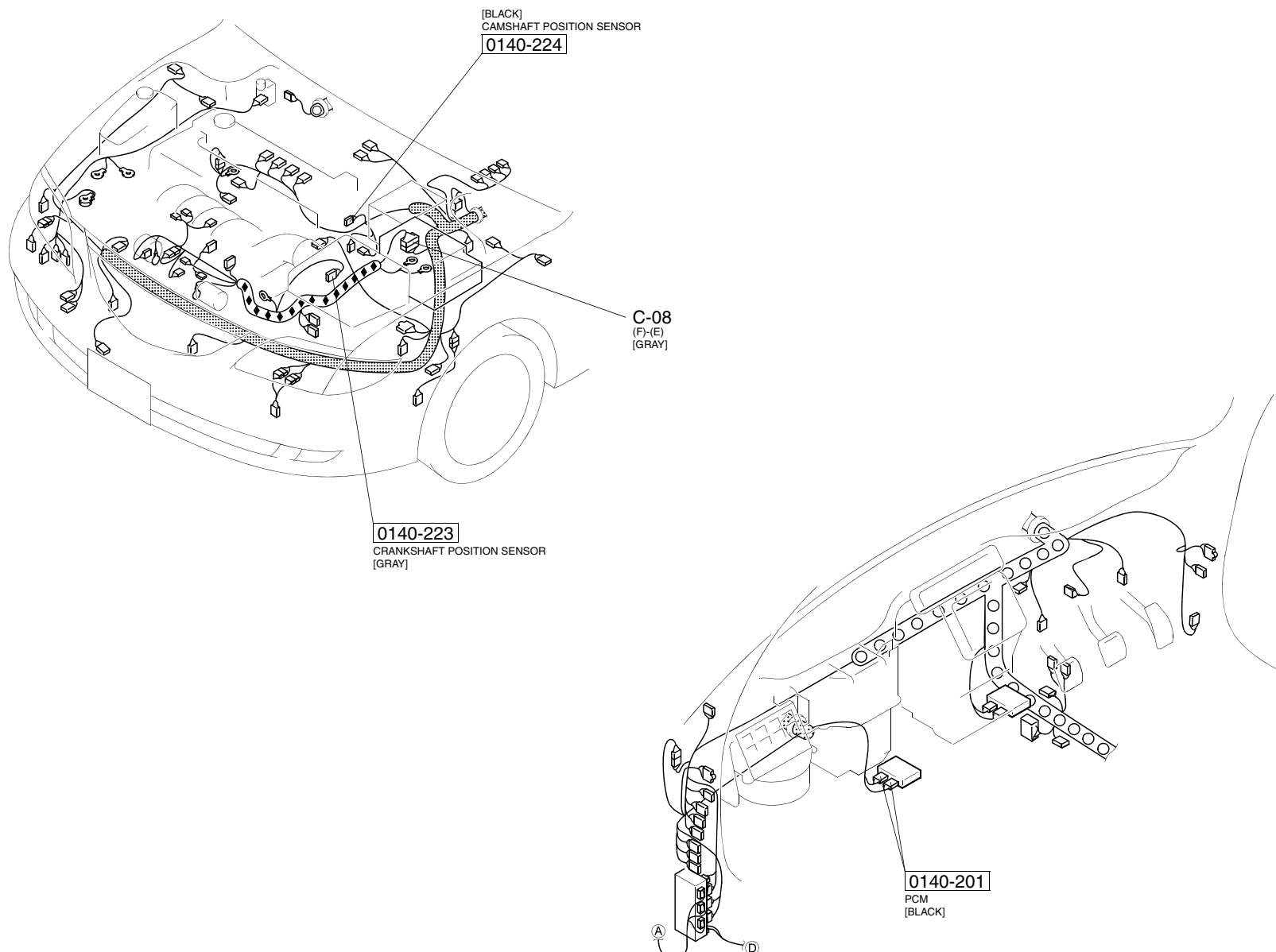
0140-223
CRANKSHAFT POSITION
SENSOR(E)

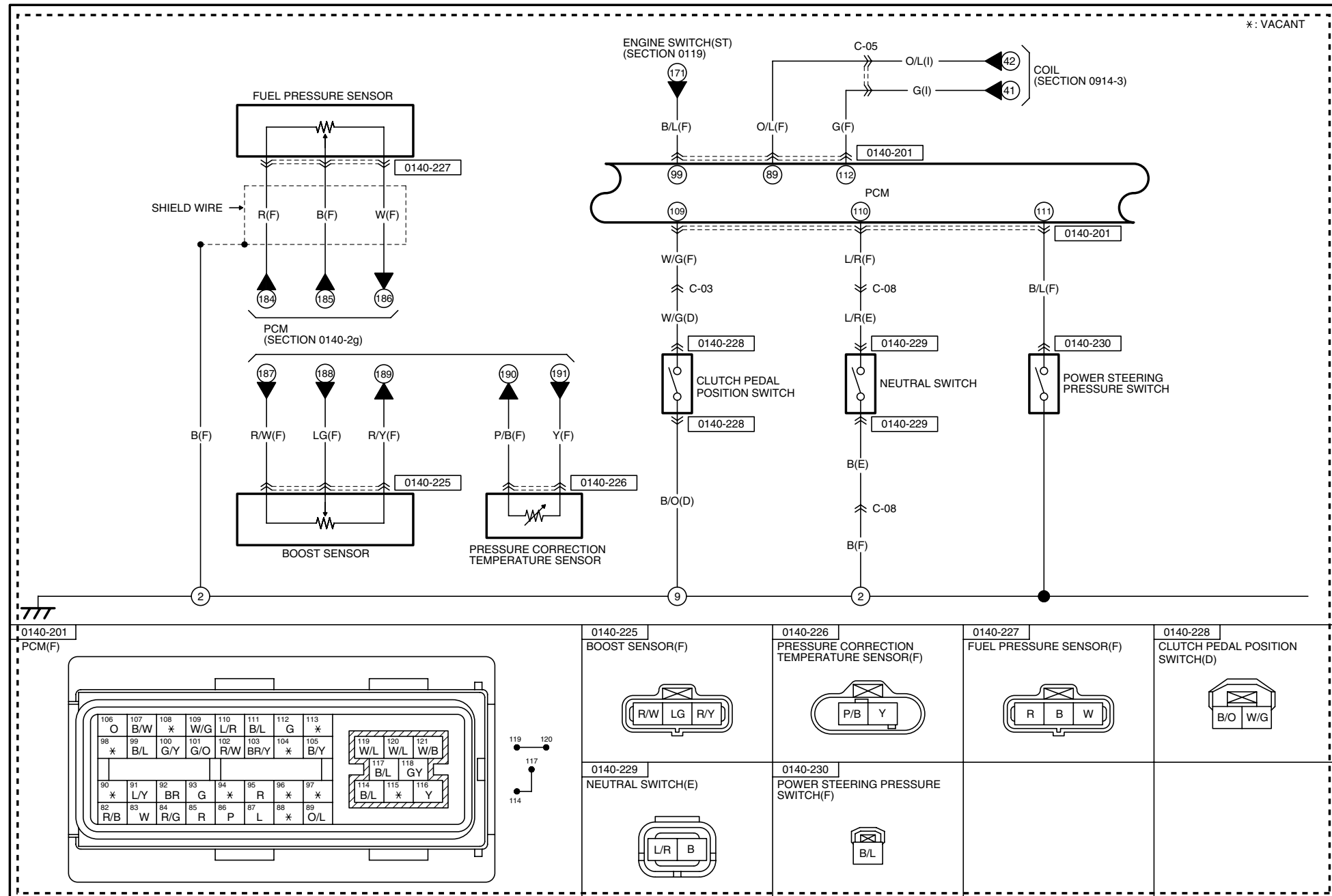


0140-224
CAMSHAFT POSITION SENSOR
(F)

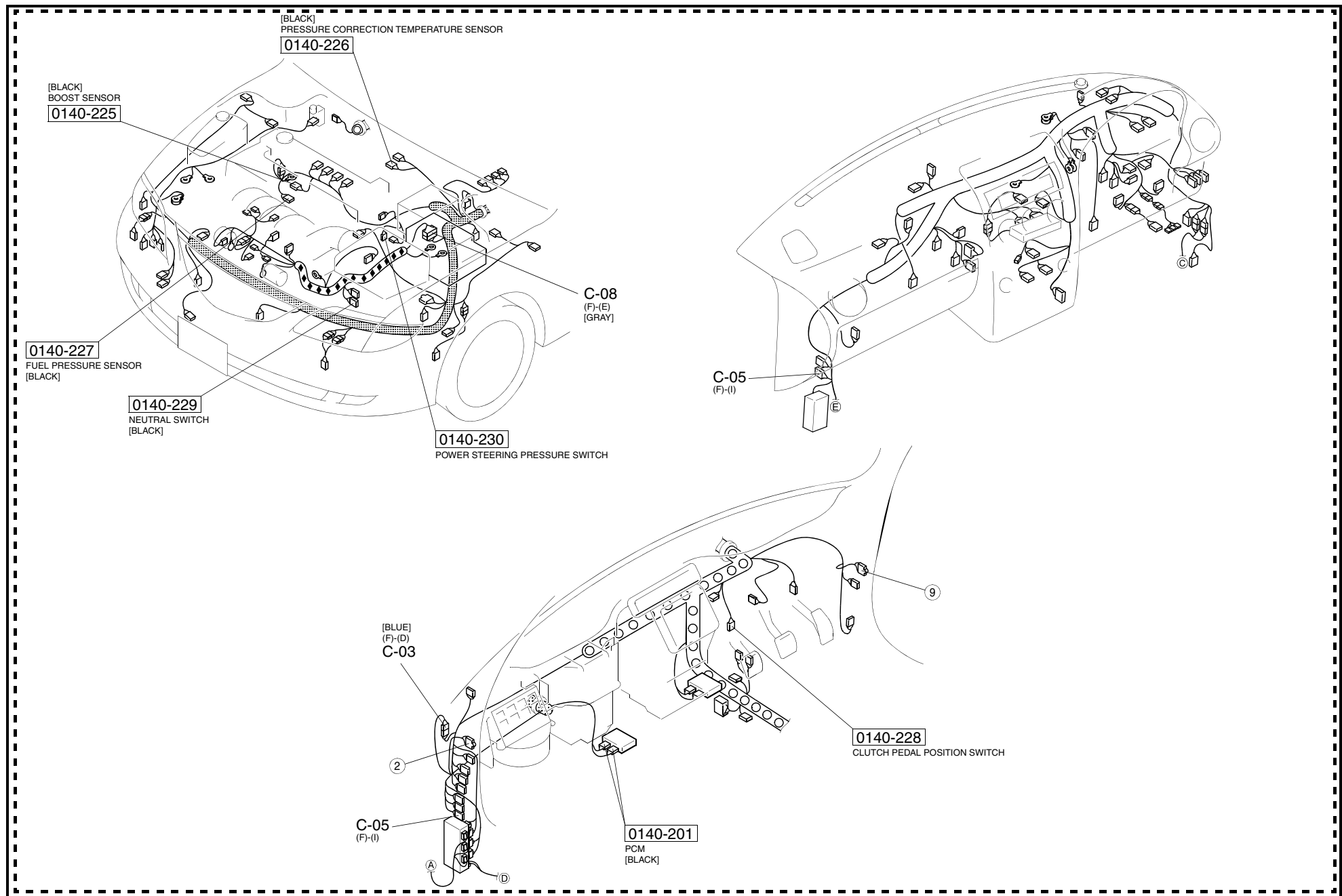


HARNESS SYMBOL :  (F)  (E)  (D)  (R)





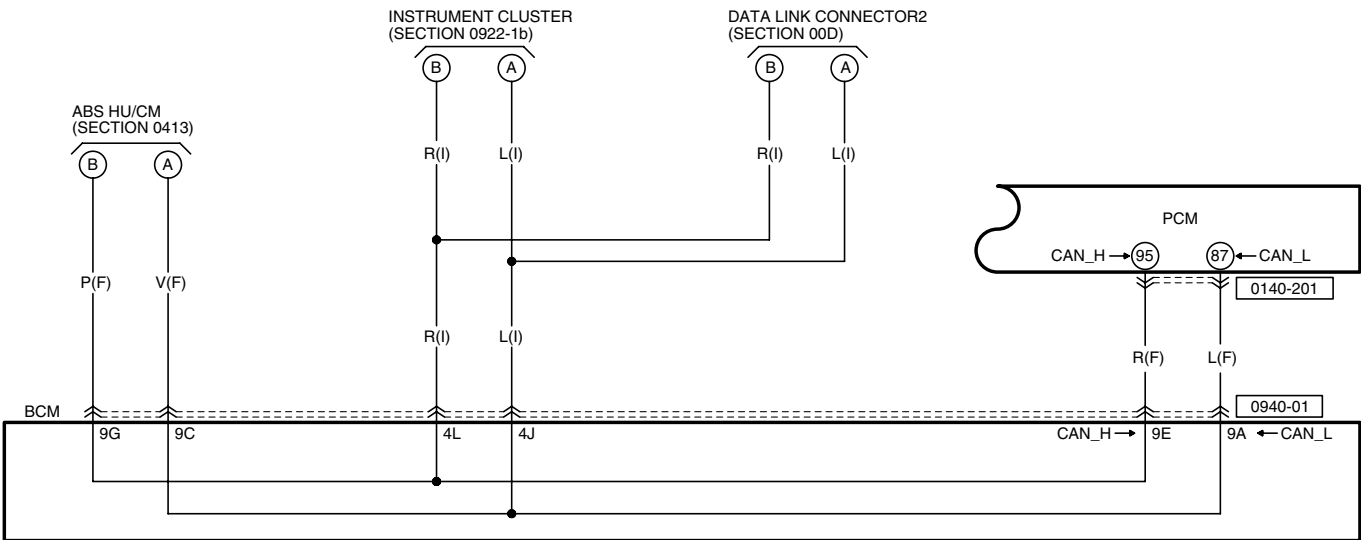
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



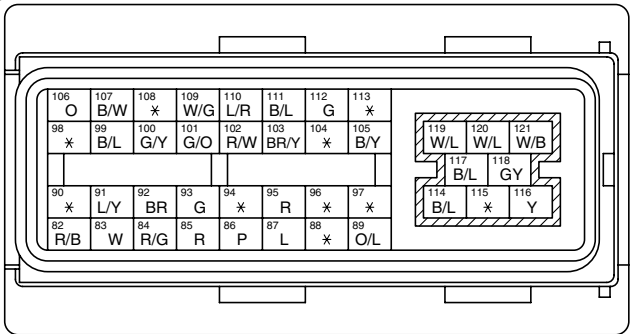
01 ENGINE
40 CONTROL SYSTEM

0140-2h

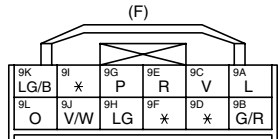
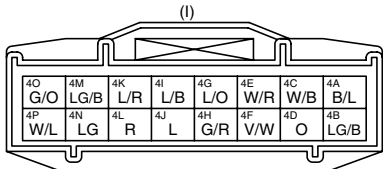
※: VACANT



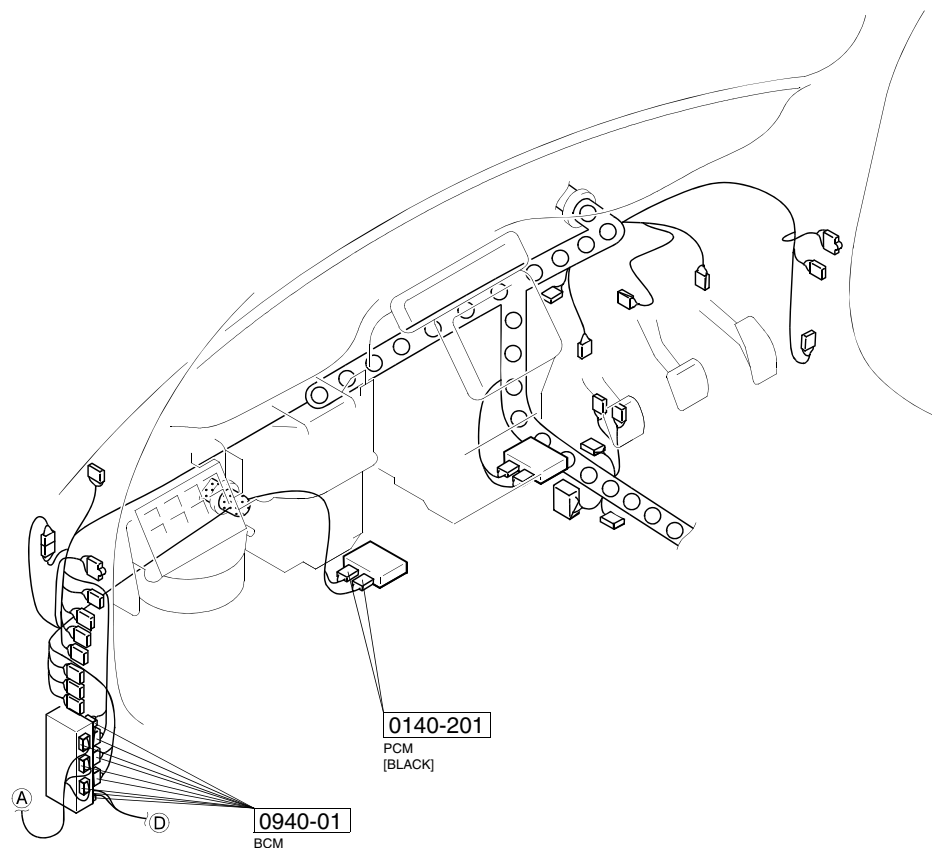
0140-201
PCM(F)



0940-01
BCM

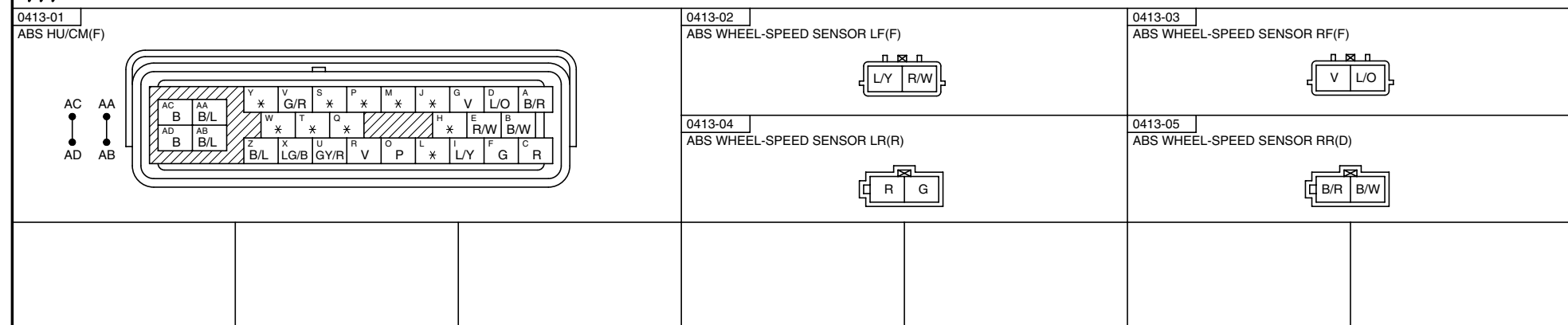
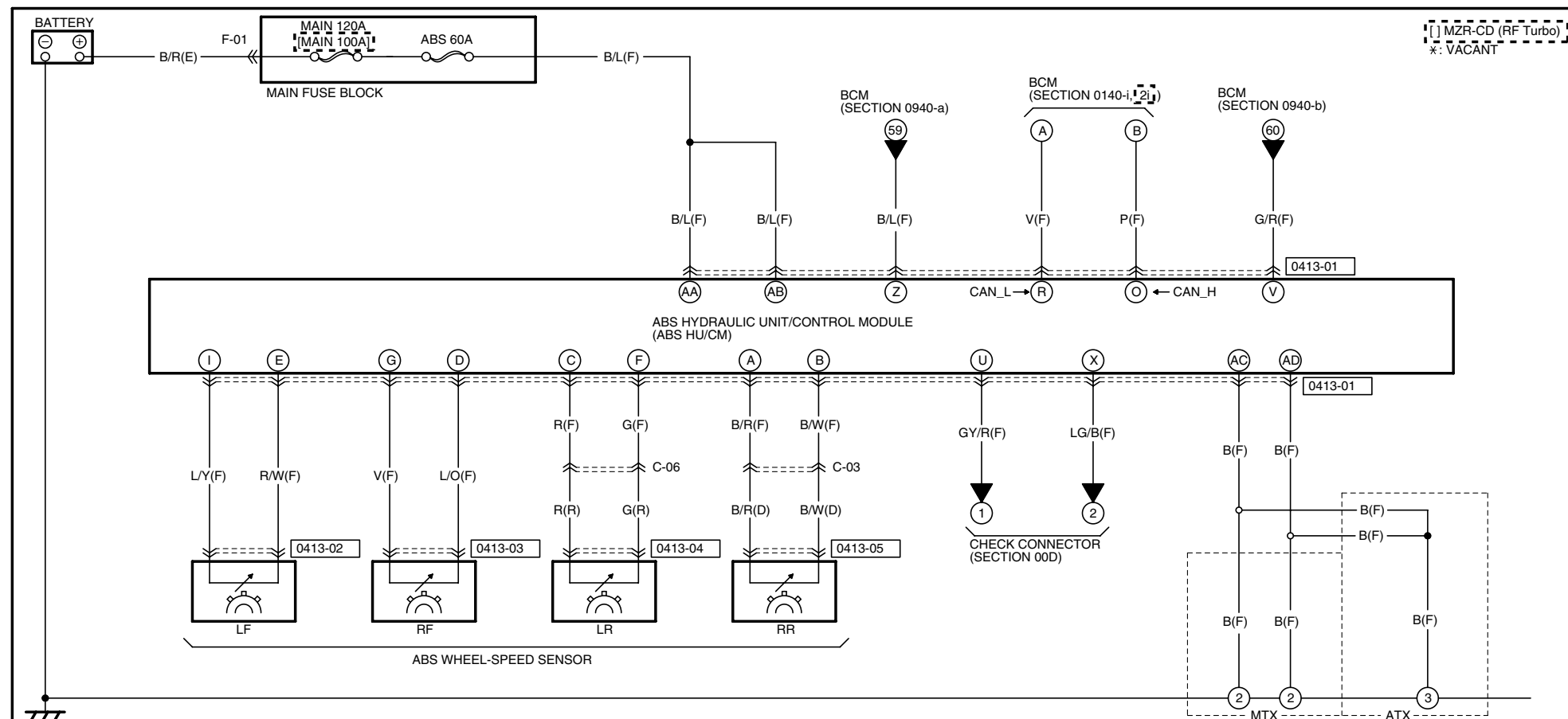


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

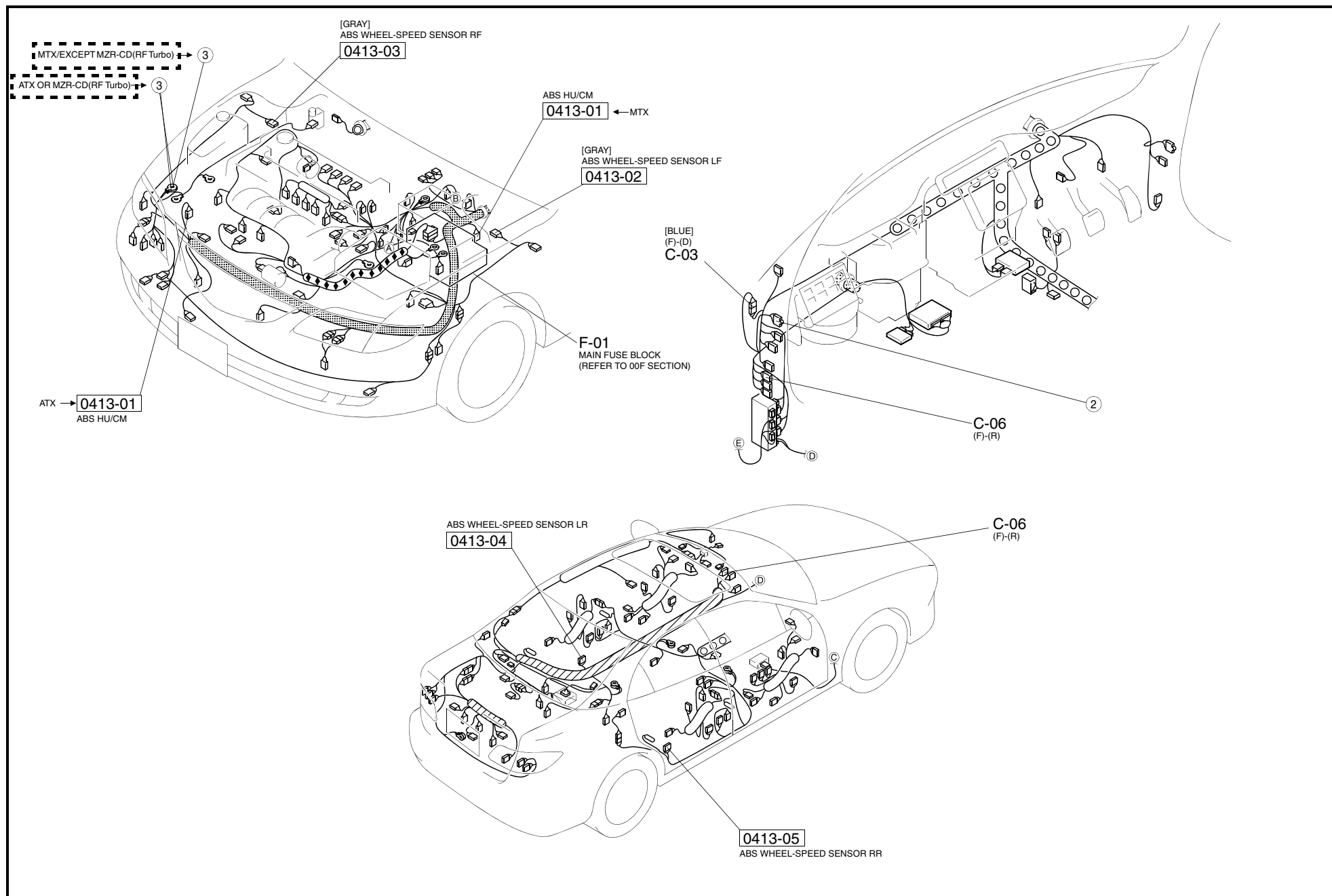


ANTILOCK BRAKE SYSTEM

0413



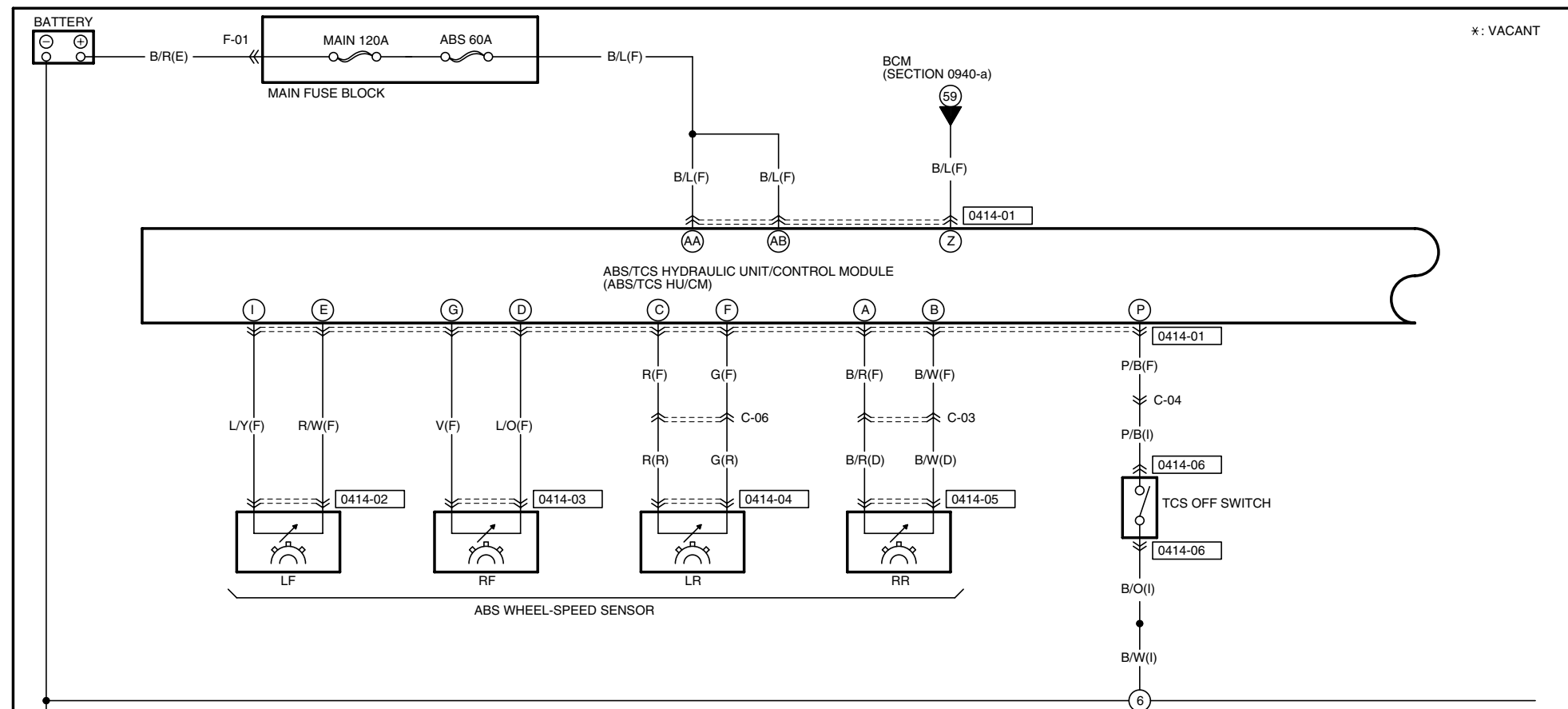
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



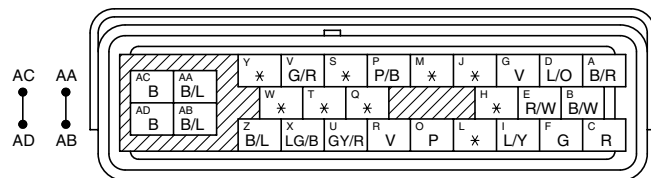
Mazda6 Wiring Diagram (5645-1*-05F)

TRACTION CONTROL SYSTEM

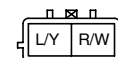
0414-a



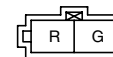
0414-01
ABS/TCS HU/CM(F)



0414-02
ABS WHEEL-SPEED SENSOR LF(F)



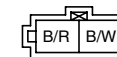
0414-04
ABS WHEEL-SPEED SENSOR LR(R)



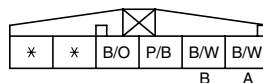
0414-03
ABS WHEEL-SPEED SENSOR RF(F)



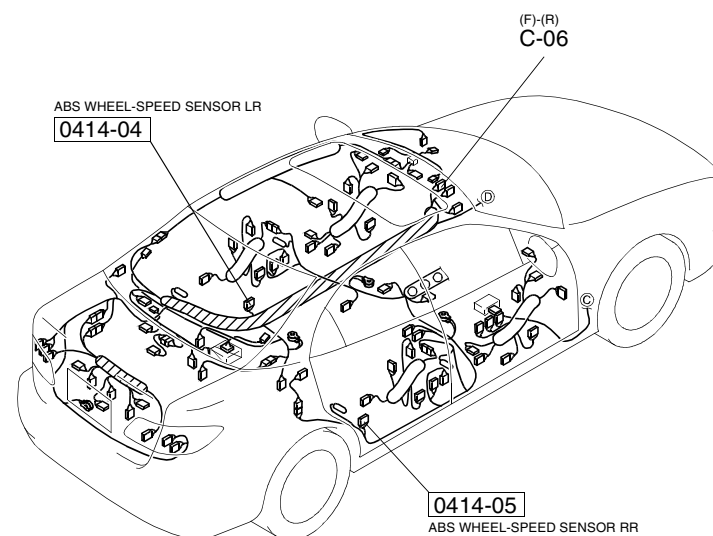
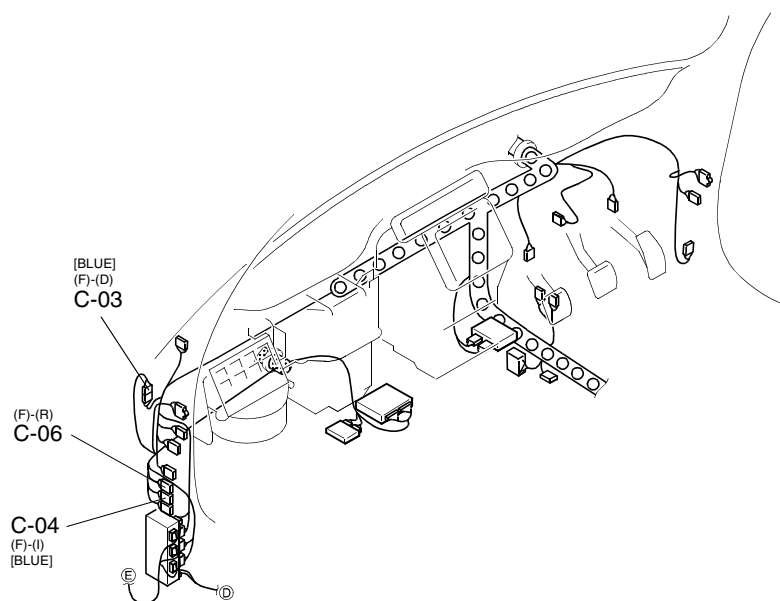
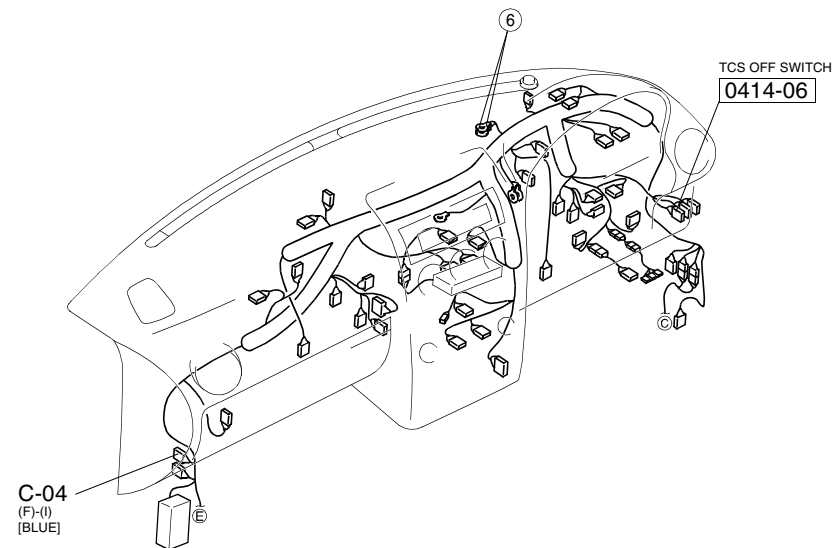
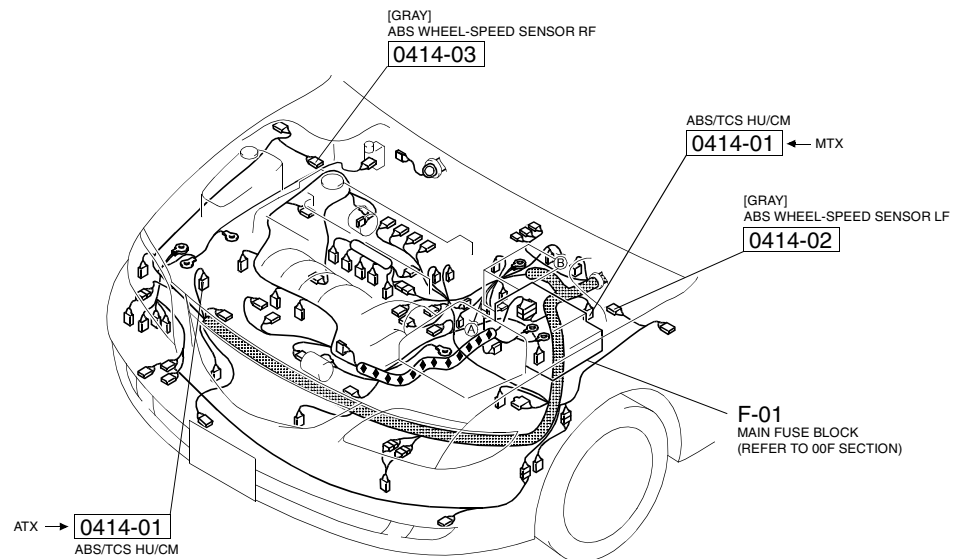
0414-05
ABS WHEEL-SPEED SENSOR RR(D)

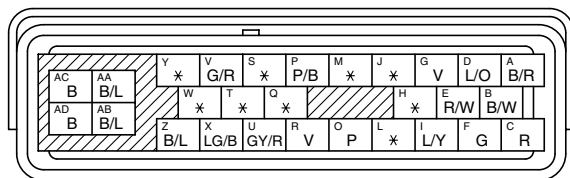


0414-06
TCS OFF SWITCH(I)

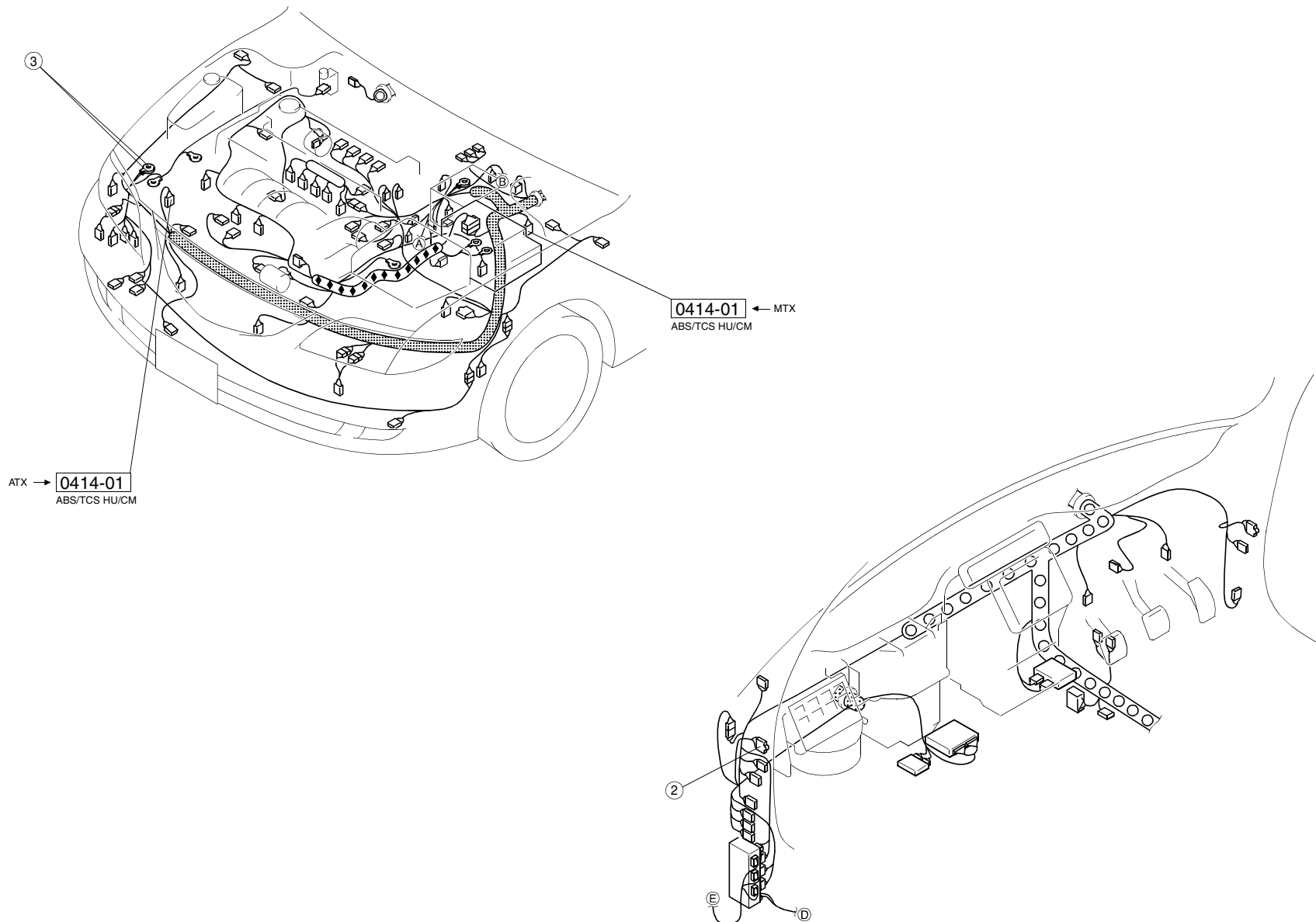


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



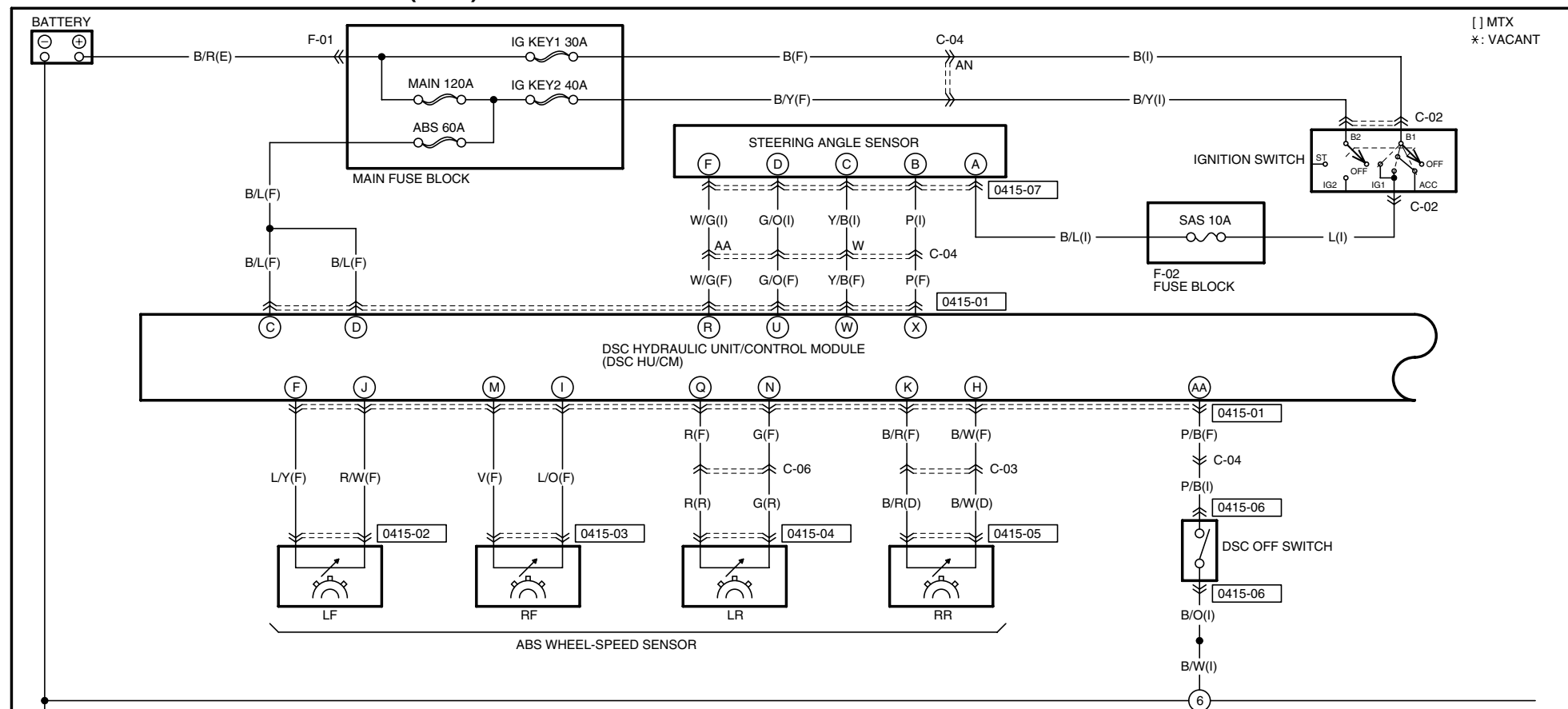


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



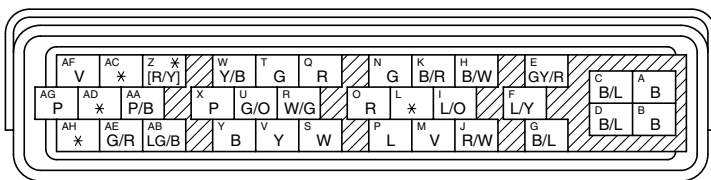
DYNAMIC STABILITY CONTROL (DSC)

0415-a

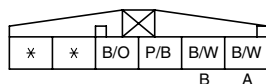


0415-01
DSC HU/CM(F)

AC AA
AD AB



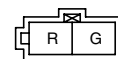
0415-06
DSC OFF SWITCH(I)



0415-02
ABS WHEEL-SPEED SENSOR LF(F)



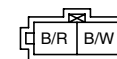
0415-04
ABS WHEEL-SPEED SENSOR LR(R)



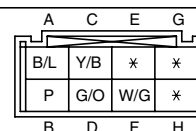
0415-03
ABS WHEEL-SPEED SENSOR RF(F)



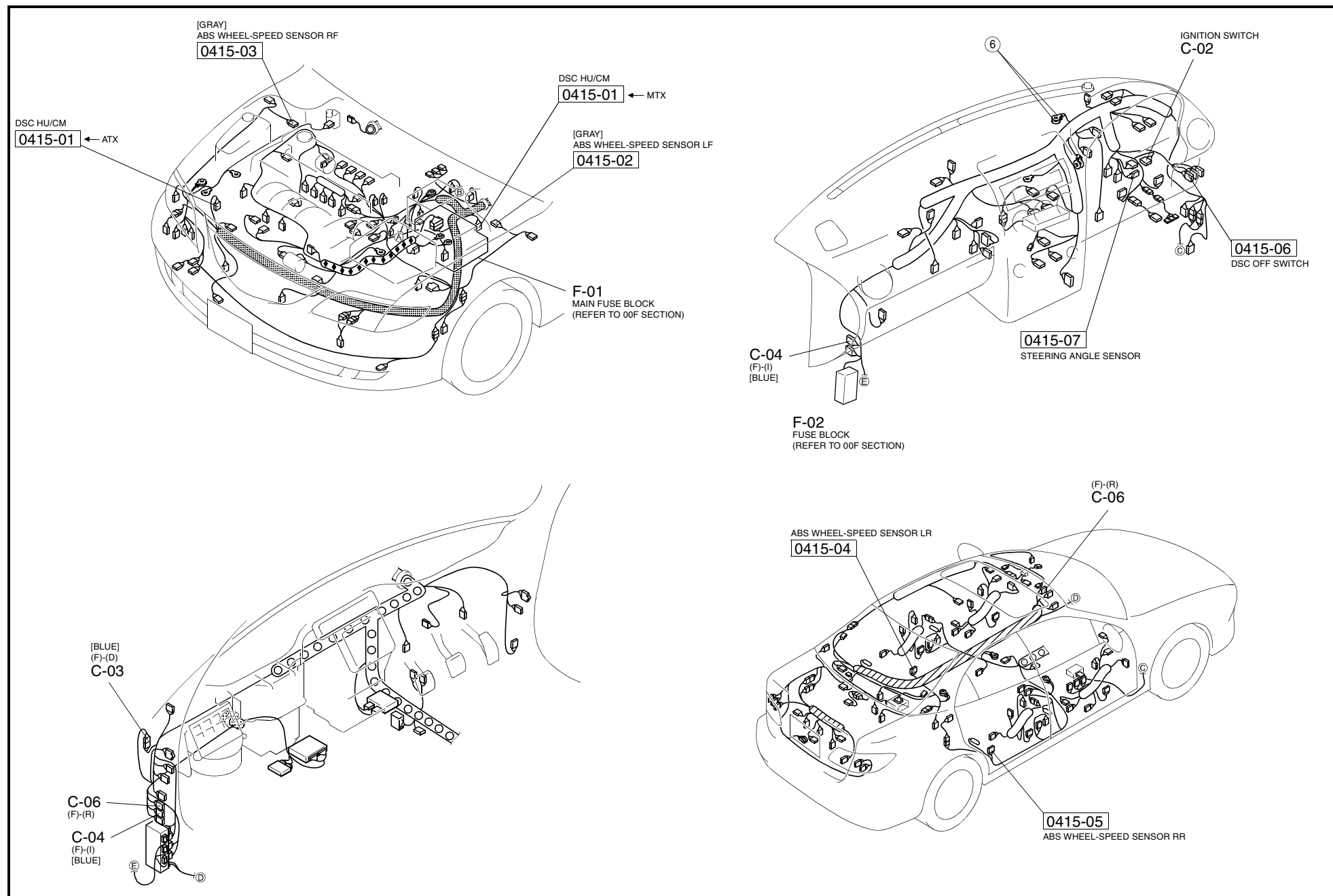
0415-05
ABS WHEEL-SPEED SENSOR RR(D)

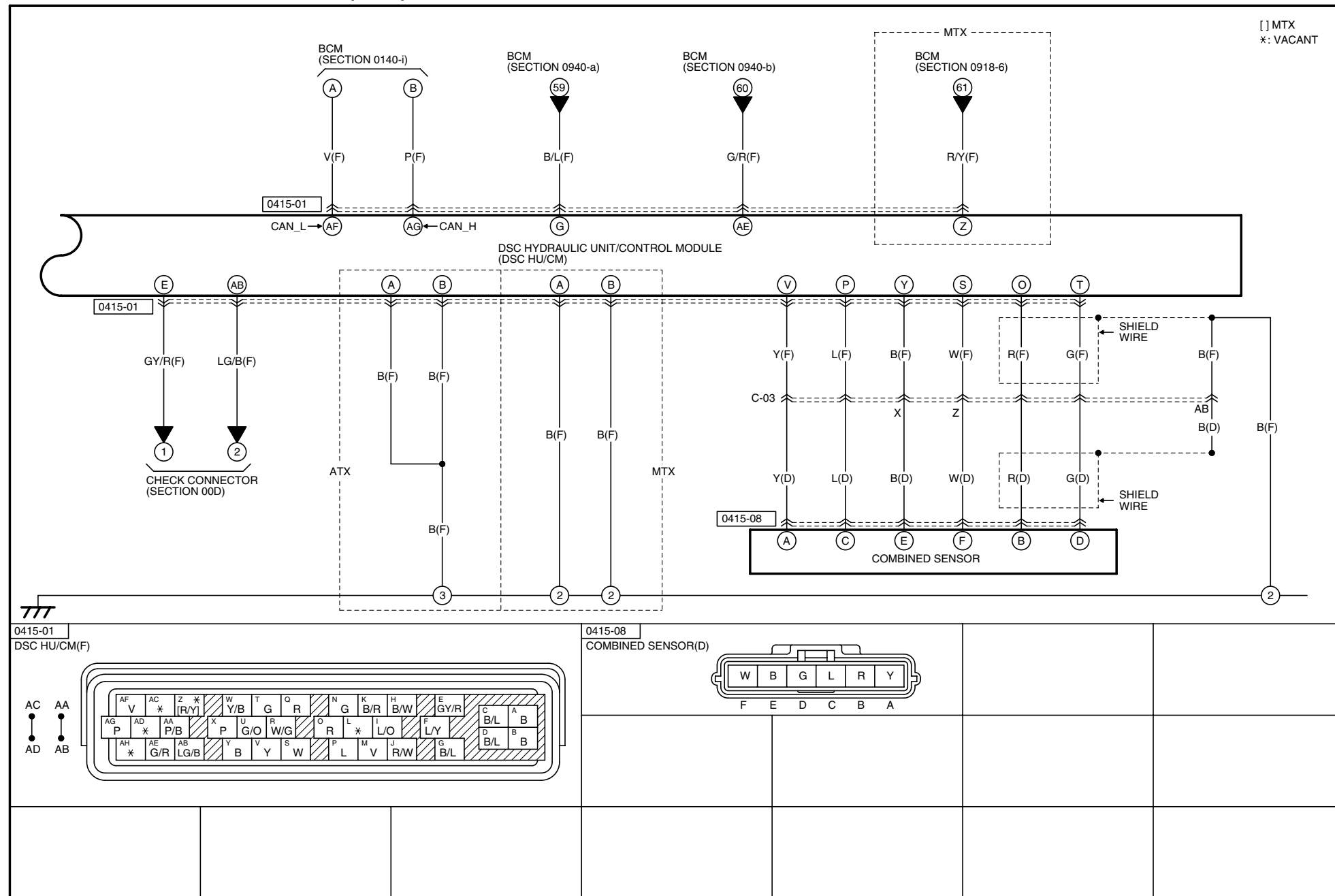


0415-07
STEERING ANGLE SENSOR(I)

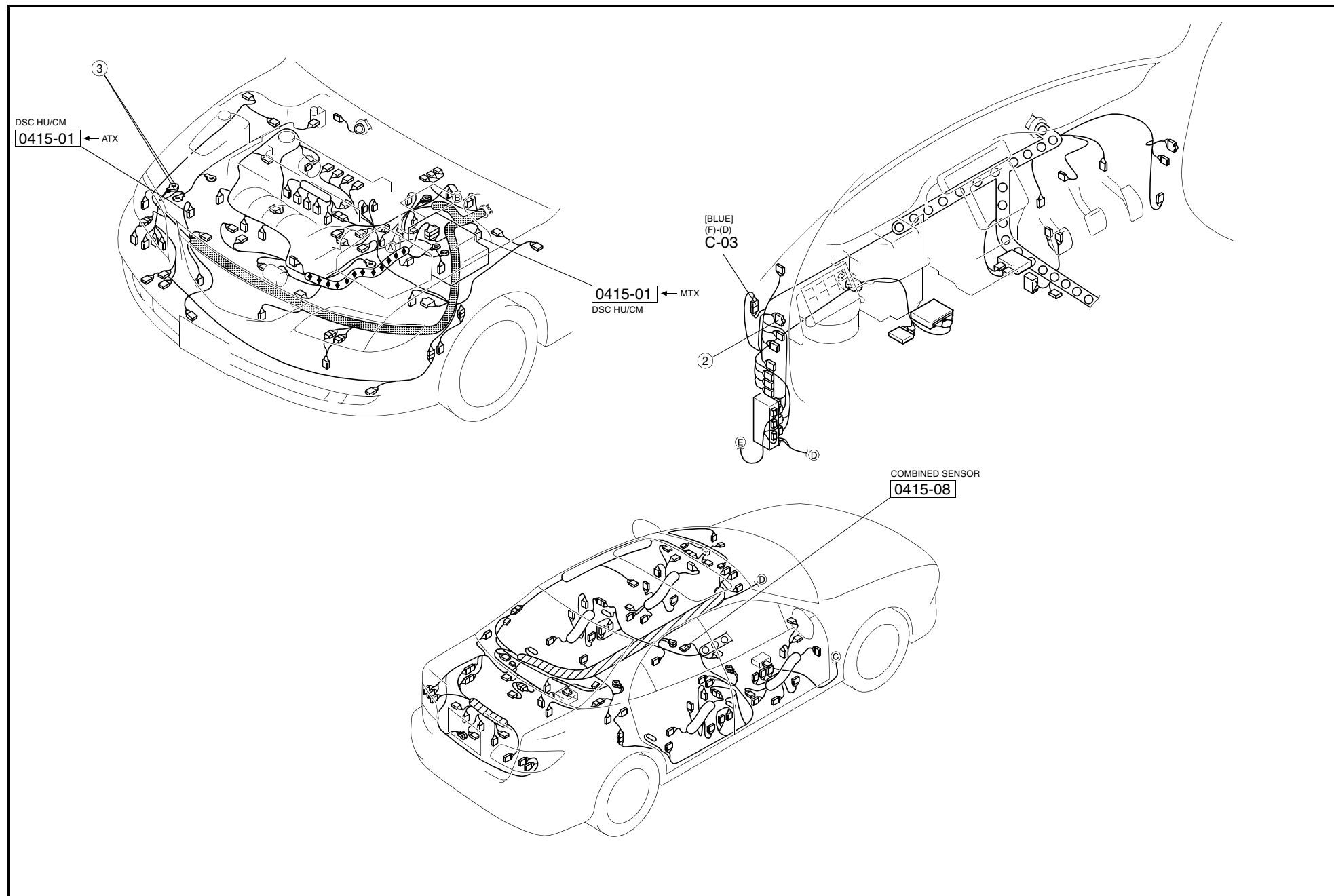


HARNESS SYMBOL :  (F)  (E)  (D)  (R)





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





0517-01

TCM(F)

Top View:

1O	B	1M	Y/R	1K	W/B	1I	*	1G	G/R	1E	G/W	1C	L	1A	LG/R
1P	B	1N	Y/R	1L	*	1J	GY/R	1H	V/G	1F	G/B	1D	V/W	1B	G

Bottom View:

2W	BR	2U	*	2S	*	2O	*	2Q	G	2M	V/R	2K	W	2I	O	2G	*	2E	*	2C	*	2A	*
2X	GY	2V	*	2T	*	2R	*	2P	V/Y	2N	G	2L	*	2J	W	2H	GY/R	2F	G/W	2D	L/O	2B	L/R

0517-02

AT MAIN RELAY(F)

FRONT

NOTE:SEEN FROM TERMINAL SIDE

0517-03

VEHICLE SPEED SENSOR(E)

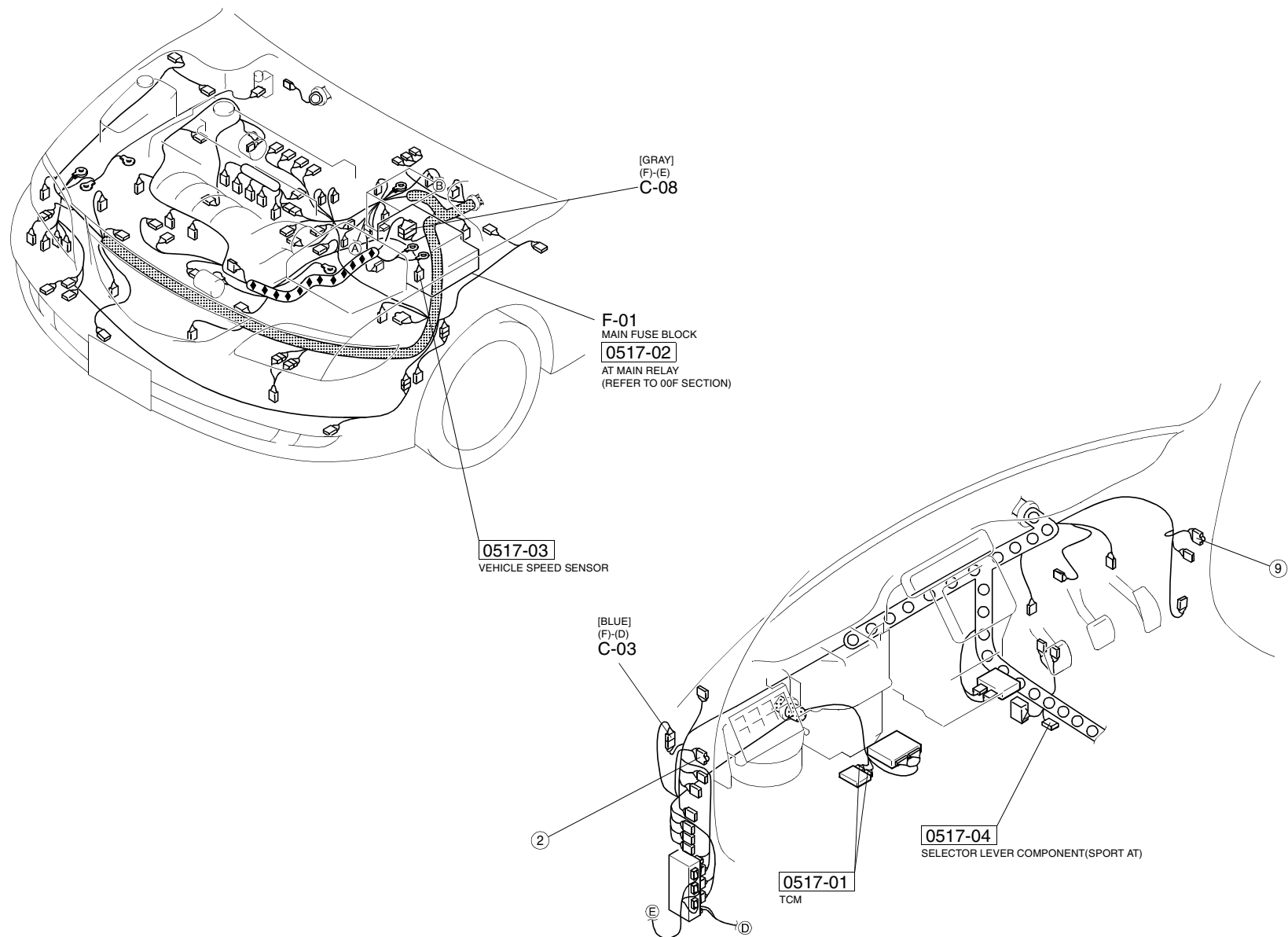
C B A

0517-04

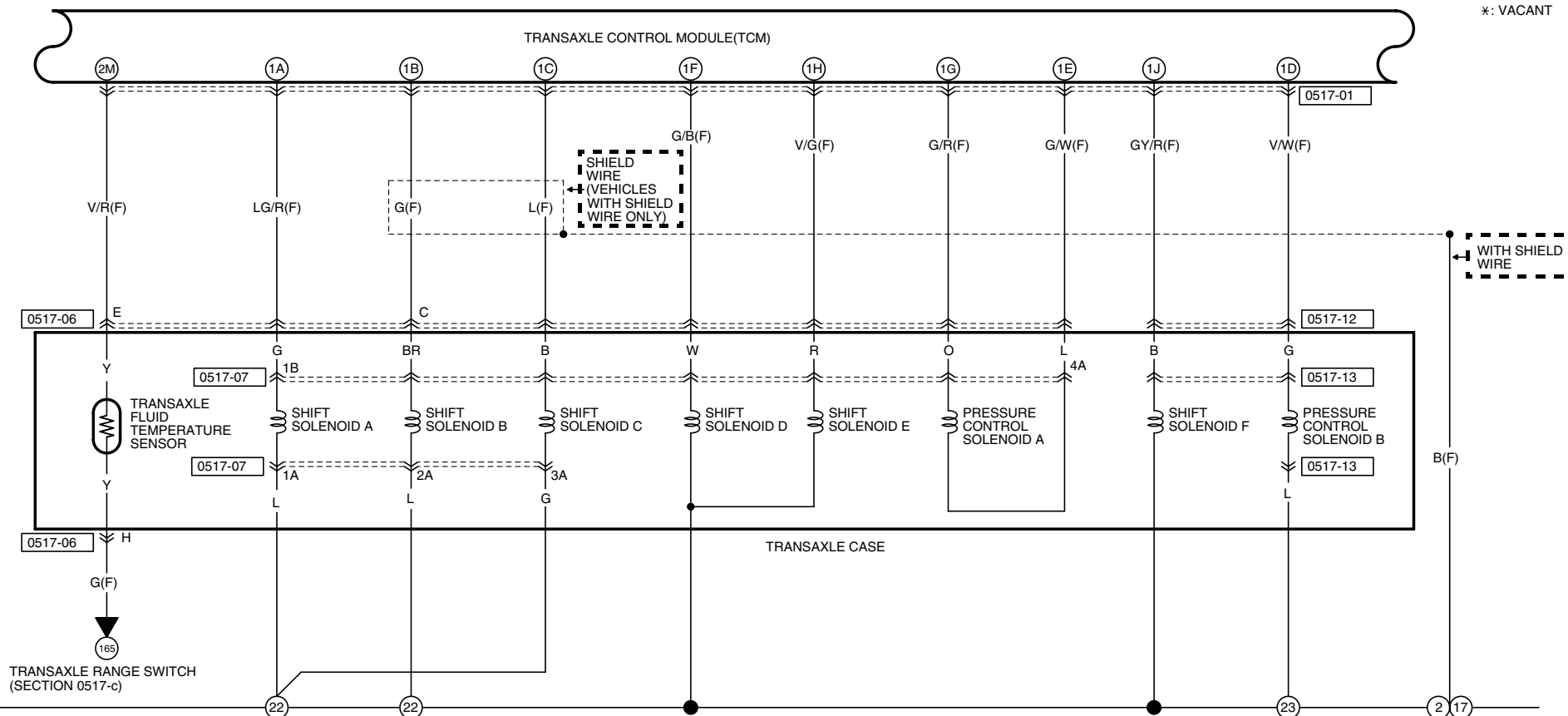
SELECTOR LEVER COMPONENT(SPORT AT)(D)

LG/R L/R L/B
B/Y B/O L/O

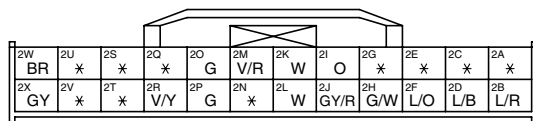
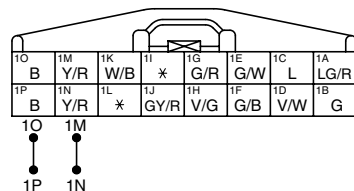
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



*: VACANT

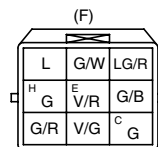


TTT

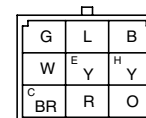
0517-01
TCM(F)

0517-06

FRONT(F)-TRANSAXLE SHORT CORD(PRIMARY)

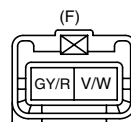


(TRANSAXLE SHORT CORD(PRIMARY))

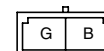


0517-12

FRONT(F)-TRANSAXLE SHORT CORD(SECONDARY)

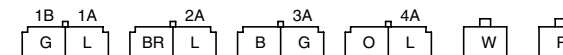


(TRANSAXLE SHORT CORD(SECONDARY))

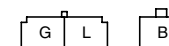


0517-07

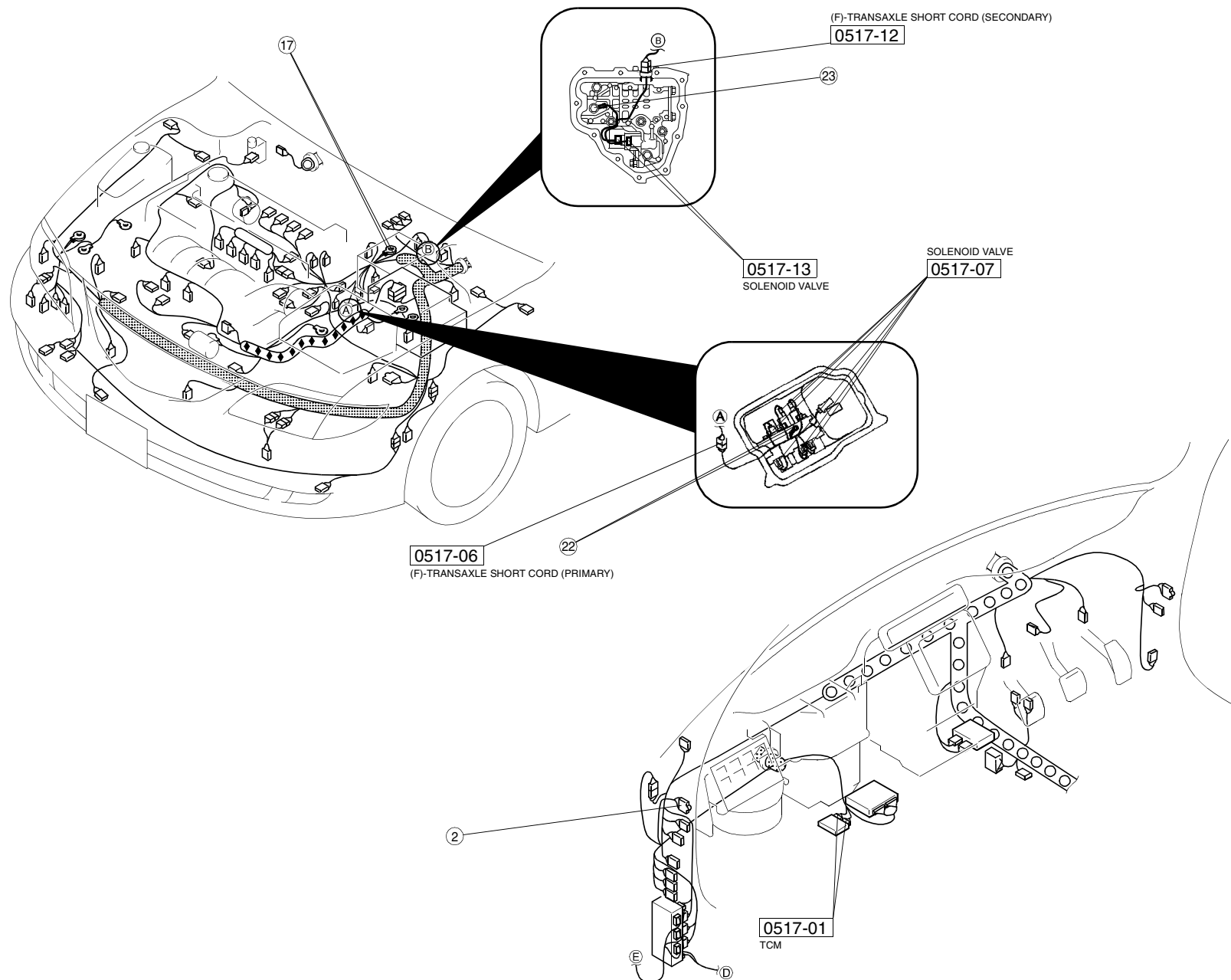
SOLENOID VALVE(TRANSAXLE SHORT CORD(PRIMARY))



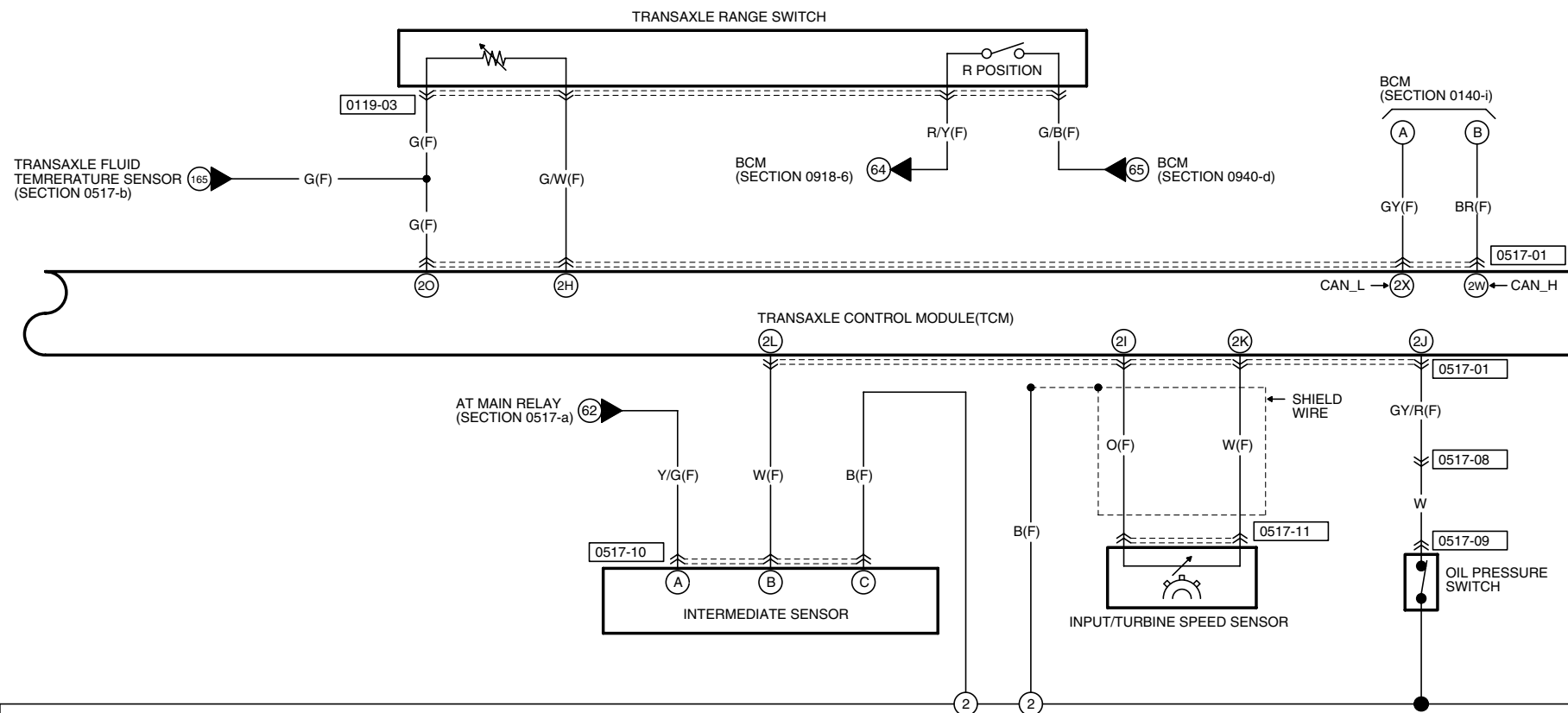
0517-13

SOLENOID VALVE
(TRANSAXLE SHORT CORD
(SECONDARY))

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

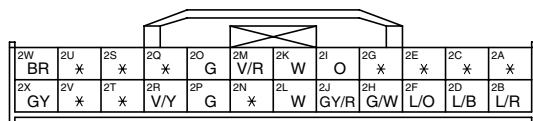


*: VACANT



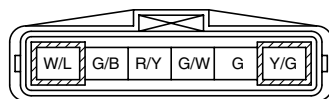
0517-01

TCM(F)



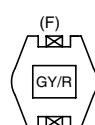
0119-03

TRANSAXLE RANGE SWITCH(F)



0517-08

FRONT(F)-SHORT CORD



(SHORT CORD)



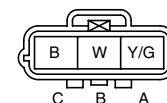
0517-09

OIL PRESSURE SWITCH (SHORT CORD)



0517-10

INTERMEDIATE SENSOR(F)



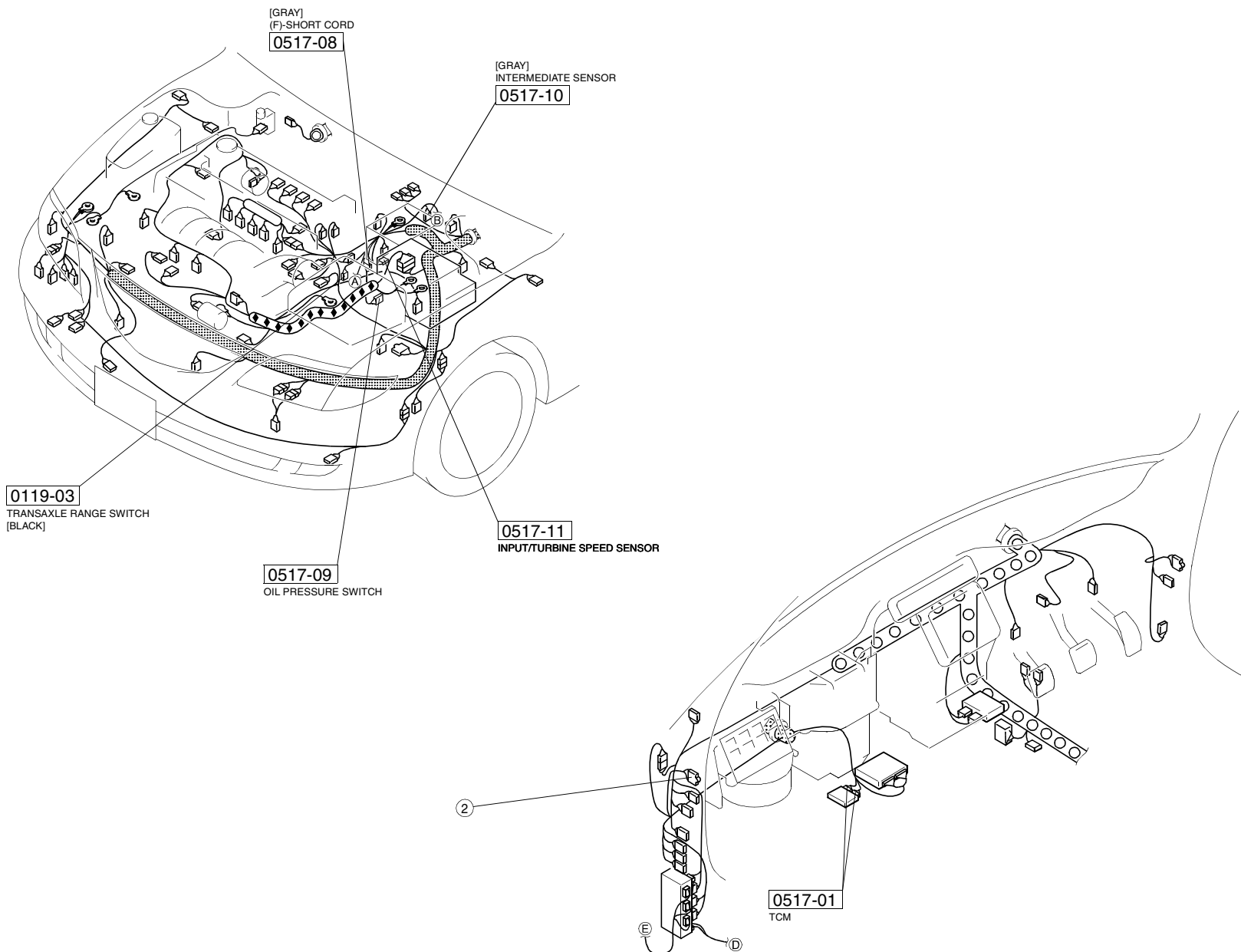
C B A

0517-11

INPUT/TURBINE SPEED SENSOR(F)

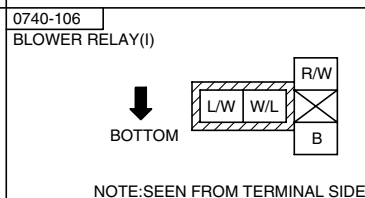
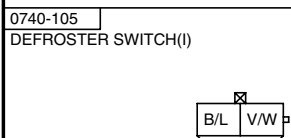
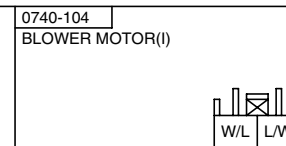
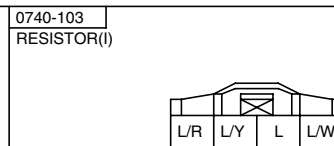
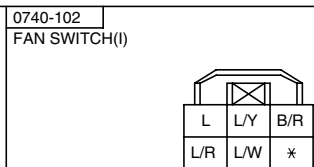
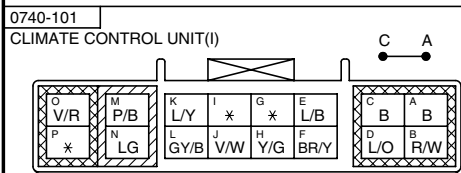
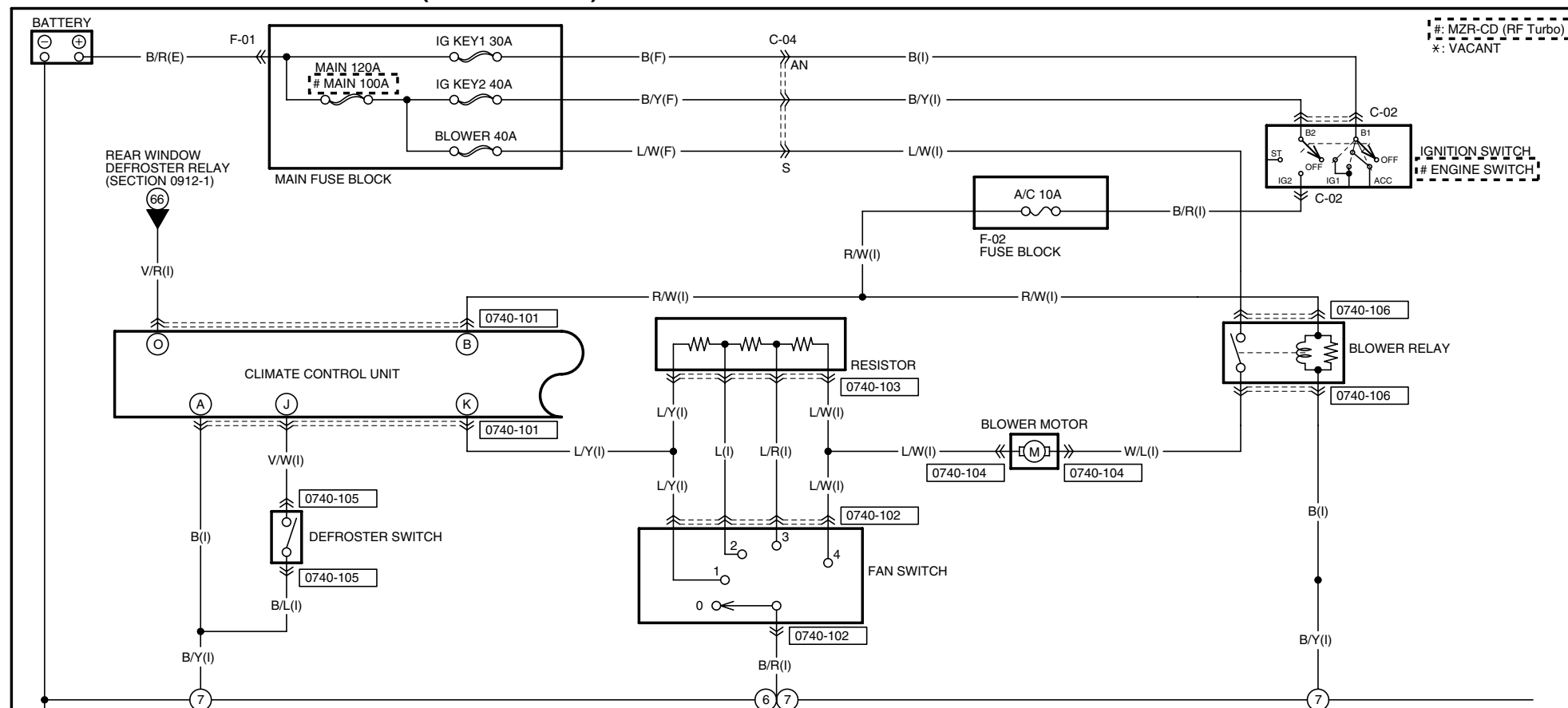


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

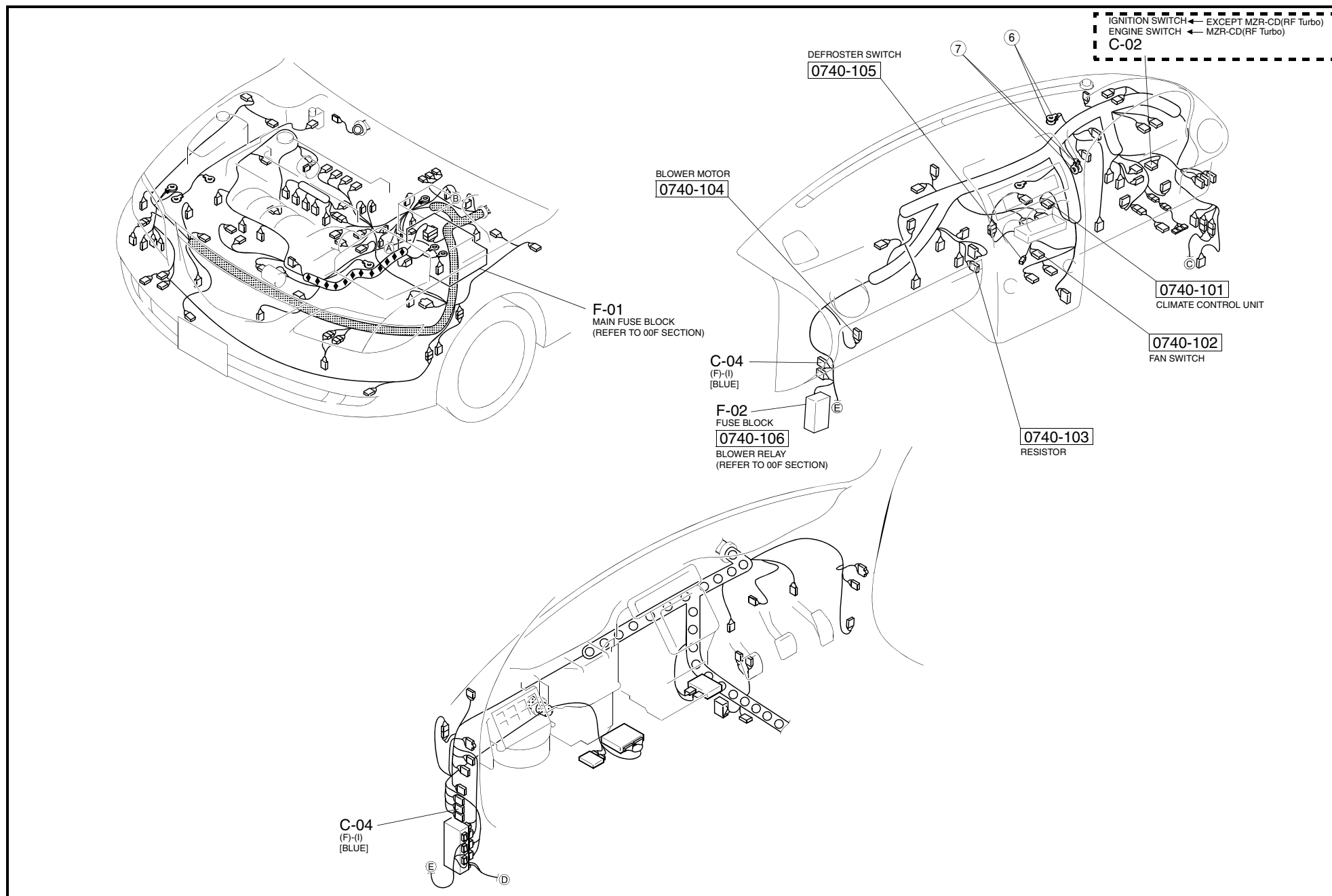


HEATER AND AIR CONDITIONER (MANUAL A/C)

0740-1a

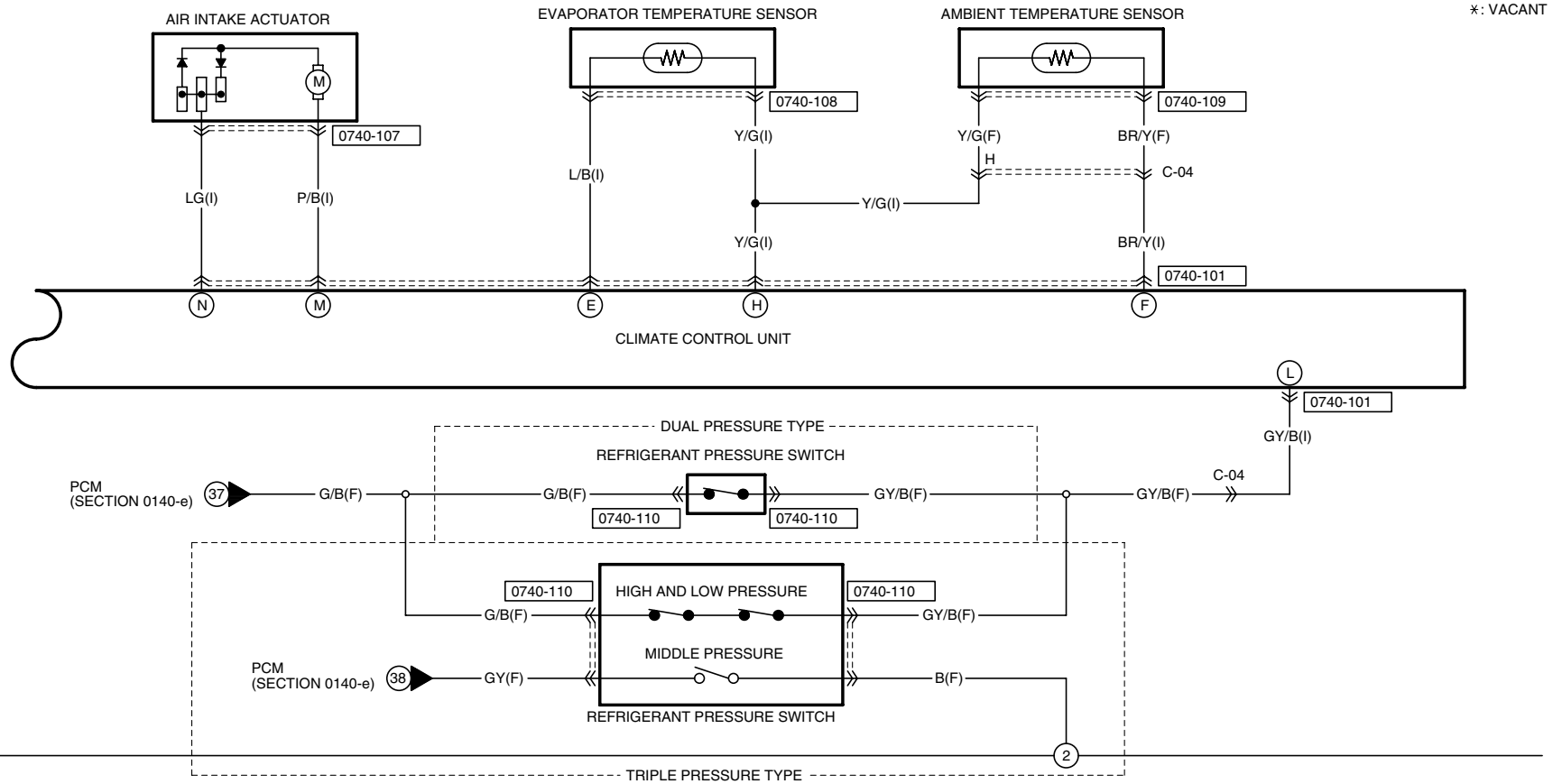


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



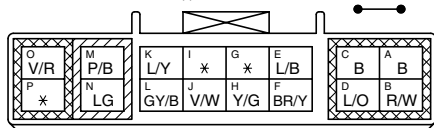
07 HEATER, VENTILATION & AIR CONDITIONING (HVAC)
40 CONTROL SYSTEM

0740-1a



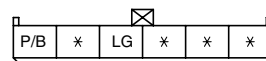
0740-101

CLIMATE CONTROL UNIT(I)



0740-107

AIR INTAKE ACTUATOR(I)



0740-108

EVAPORATOR TEMPERATURE SENSOR(I)



0740-109

AMBIENT TEMPERATURE SENSOR(F)

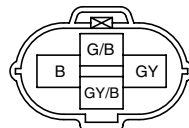


0740-110

REFRIGERANT PRESSURE SWITCH(F)

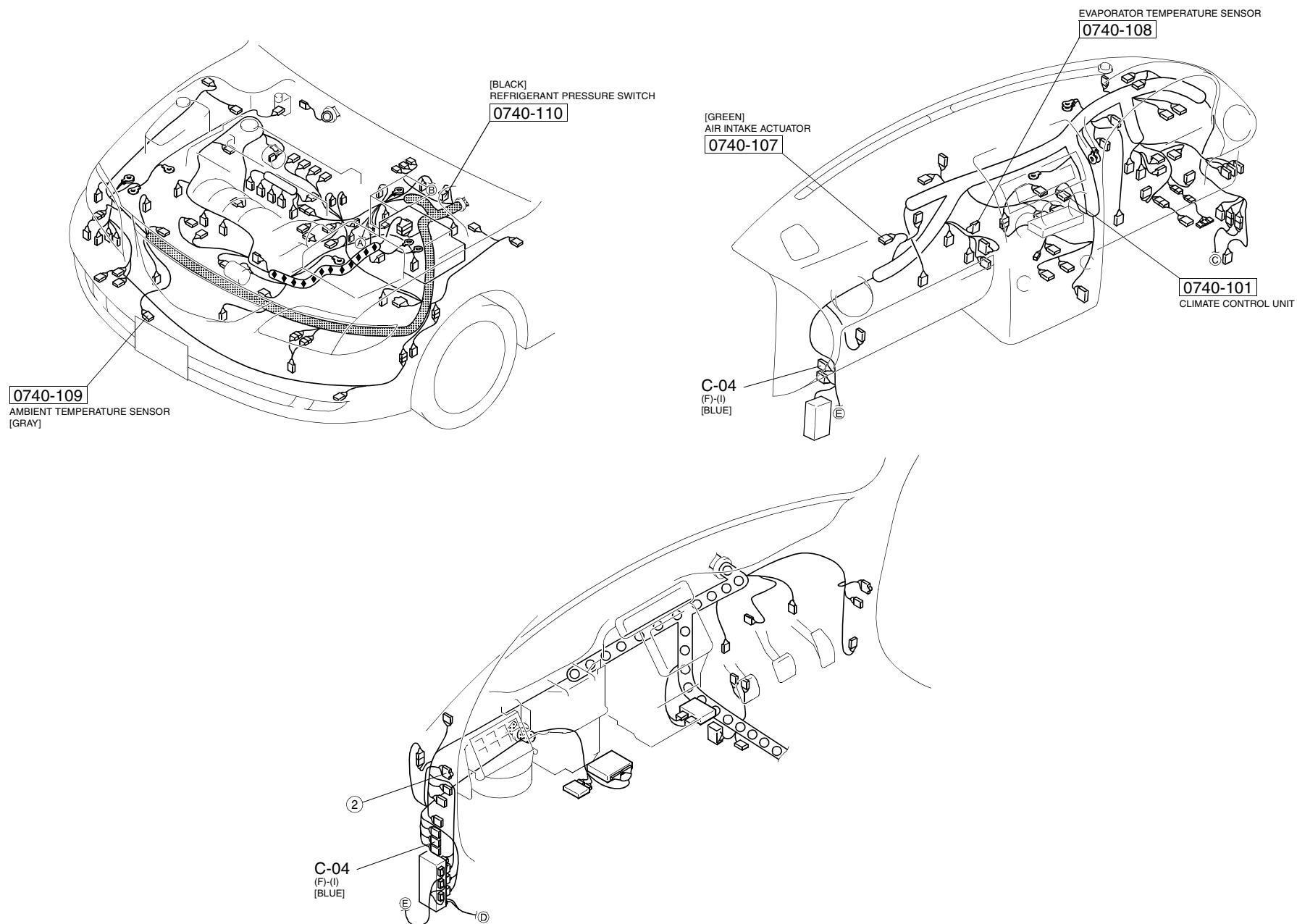


(DUAL PRESSURE TYPE)



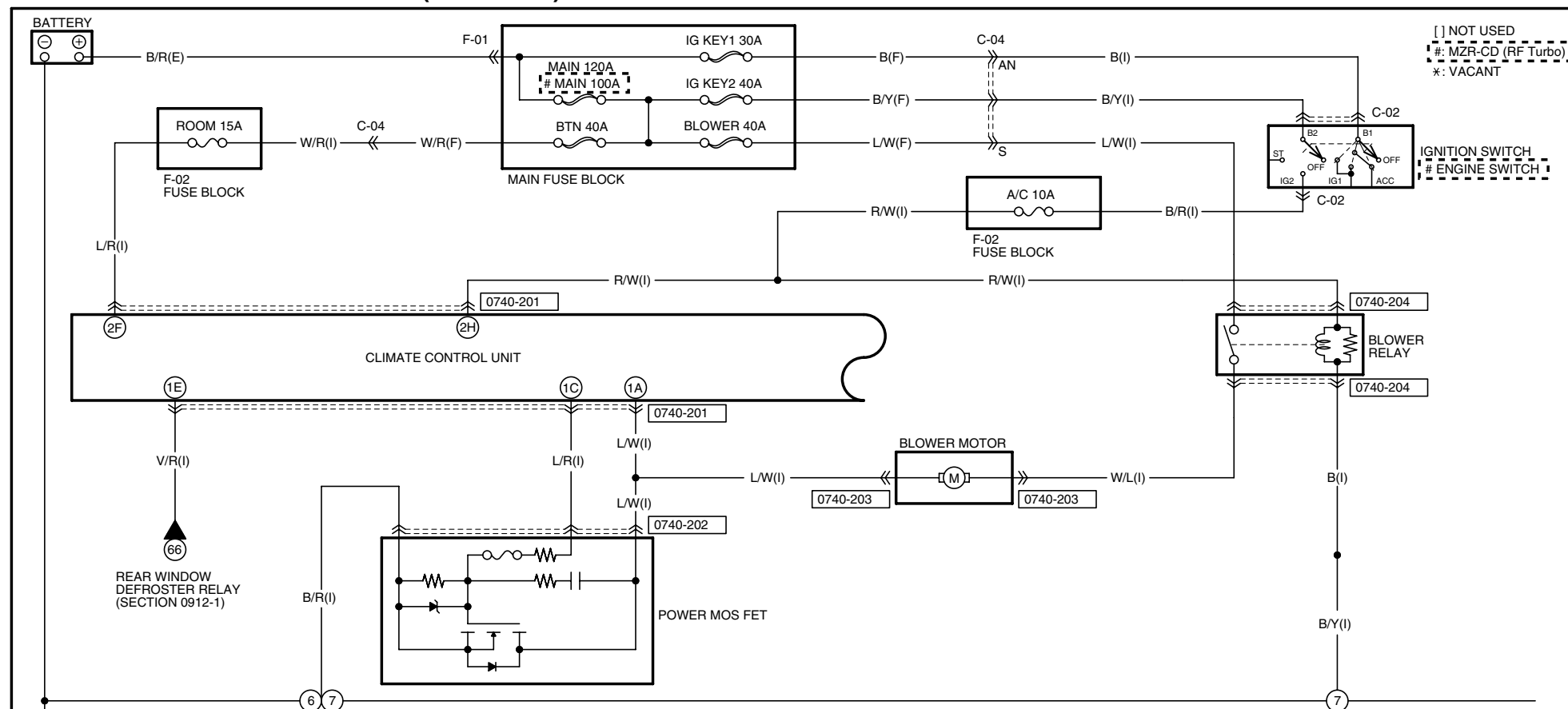
(TRIPLE PRESSURE TYPE)

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



HEATER AND AIR CONDITIONER (AUTO A/C)

0740-2a



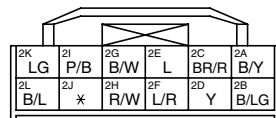
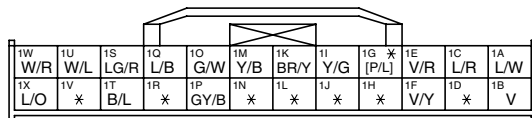
Mazda6 Wiring Diagram (5645-1*-05F)

90

Revised 9/2006 (Ref. No. L116/06)

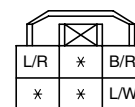
0740-201

CLIMATE CONTROL UNIT(I)



0740-202

POWER MOS FET(I)



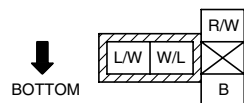
0740-203

BLOWER MOTOR(I)



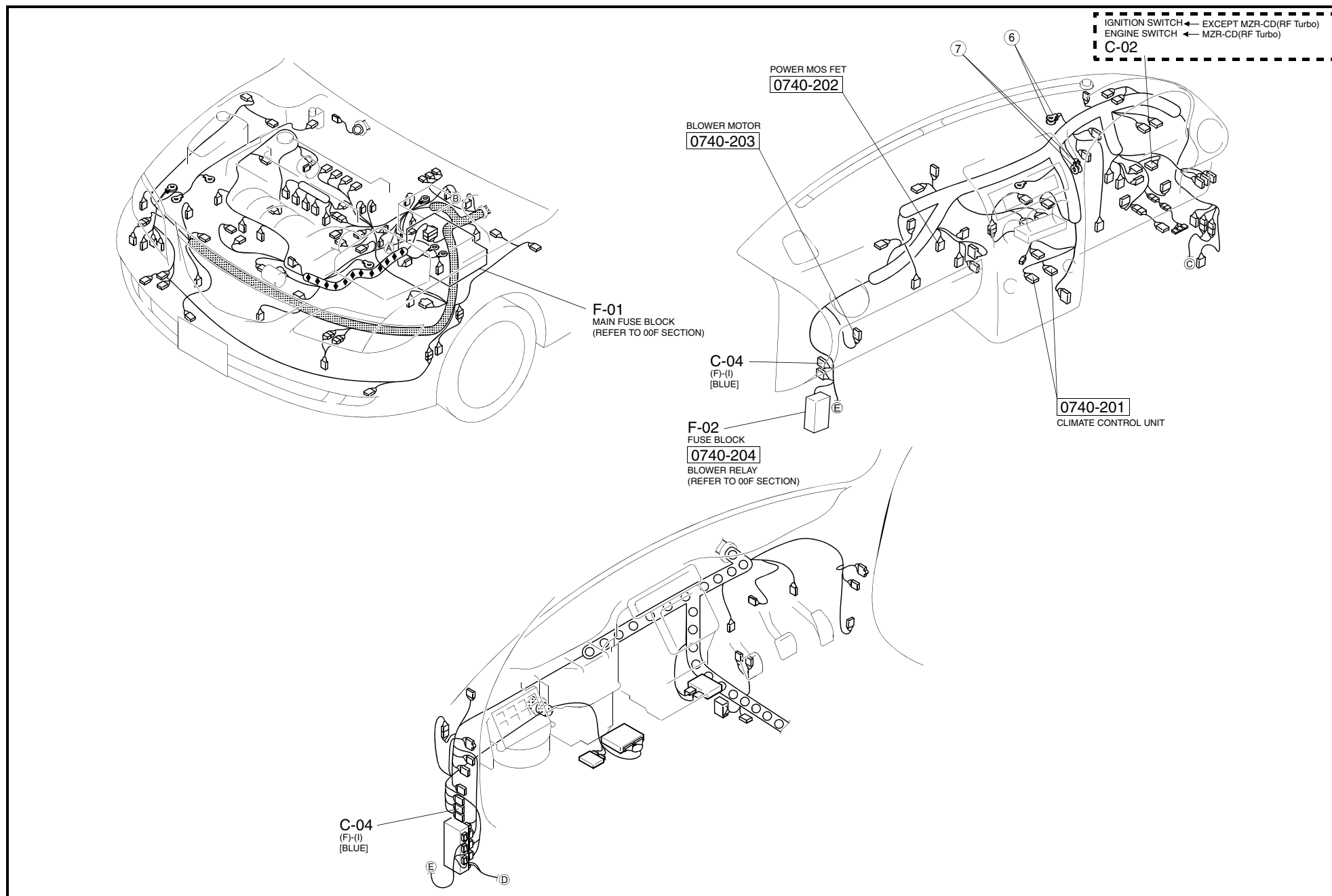
0740-204

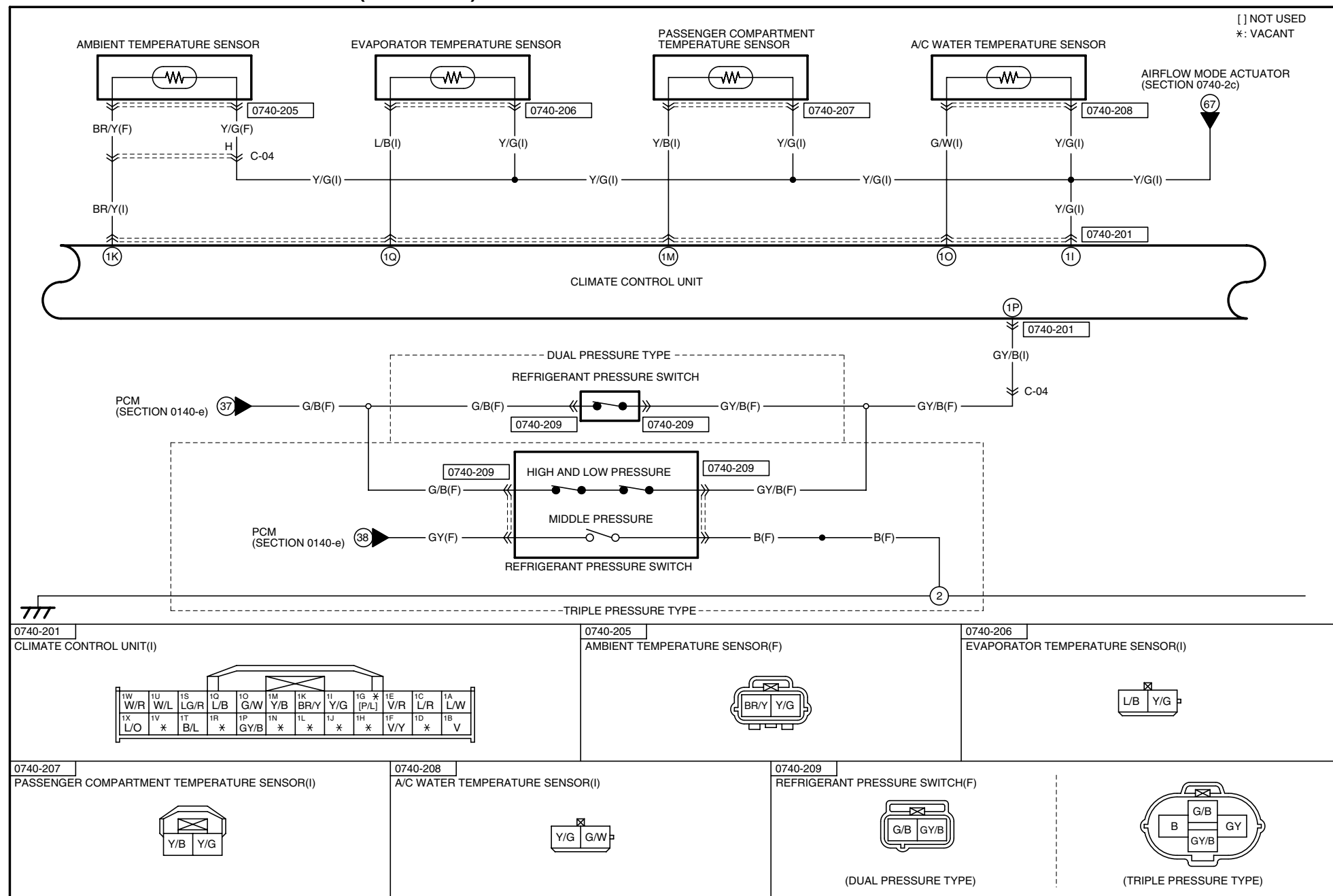
BLOWER RELAY(I)



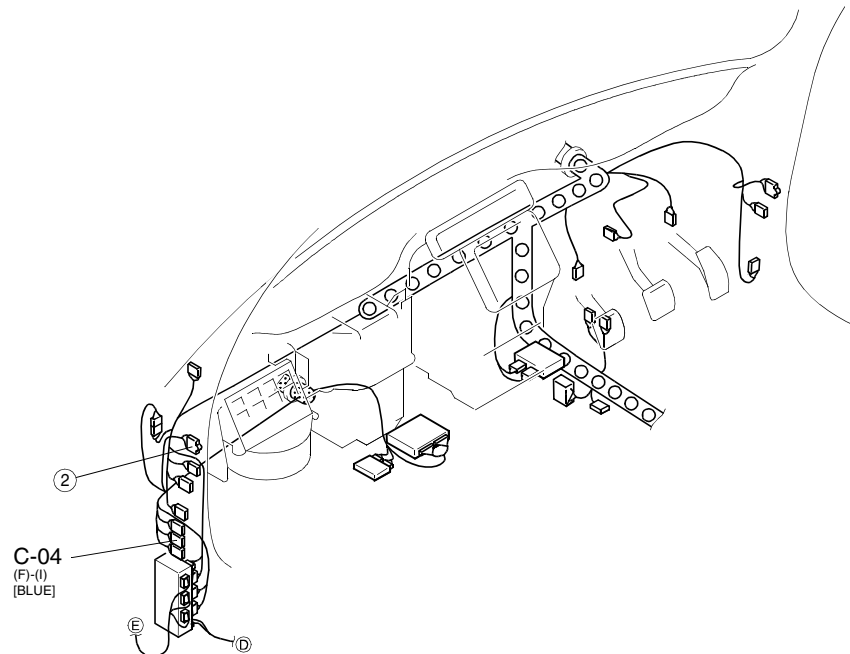
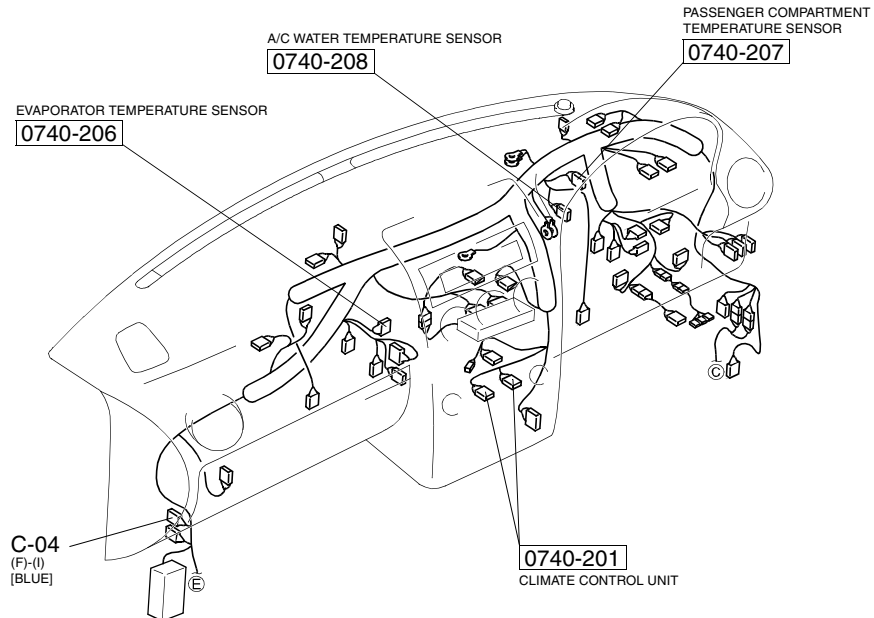
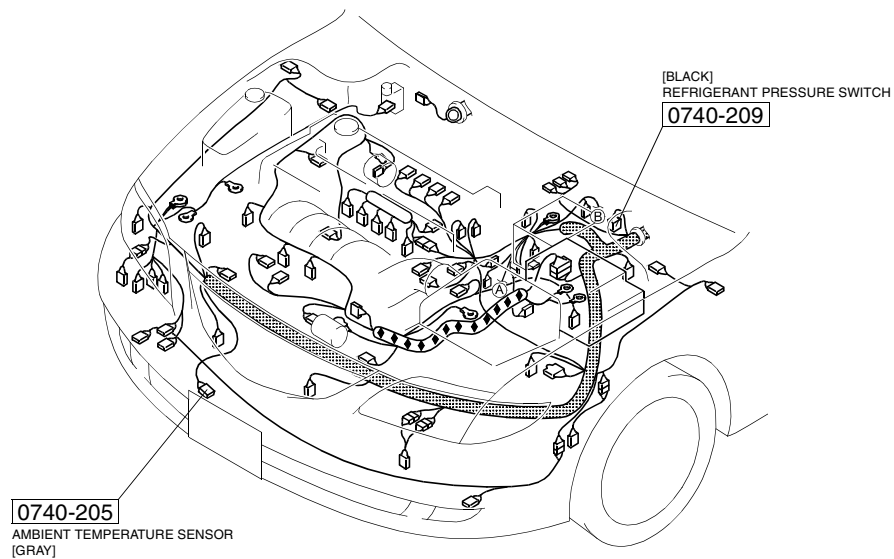
NOTE:SEEN FROM TERMINAL SIDE

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





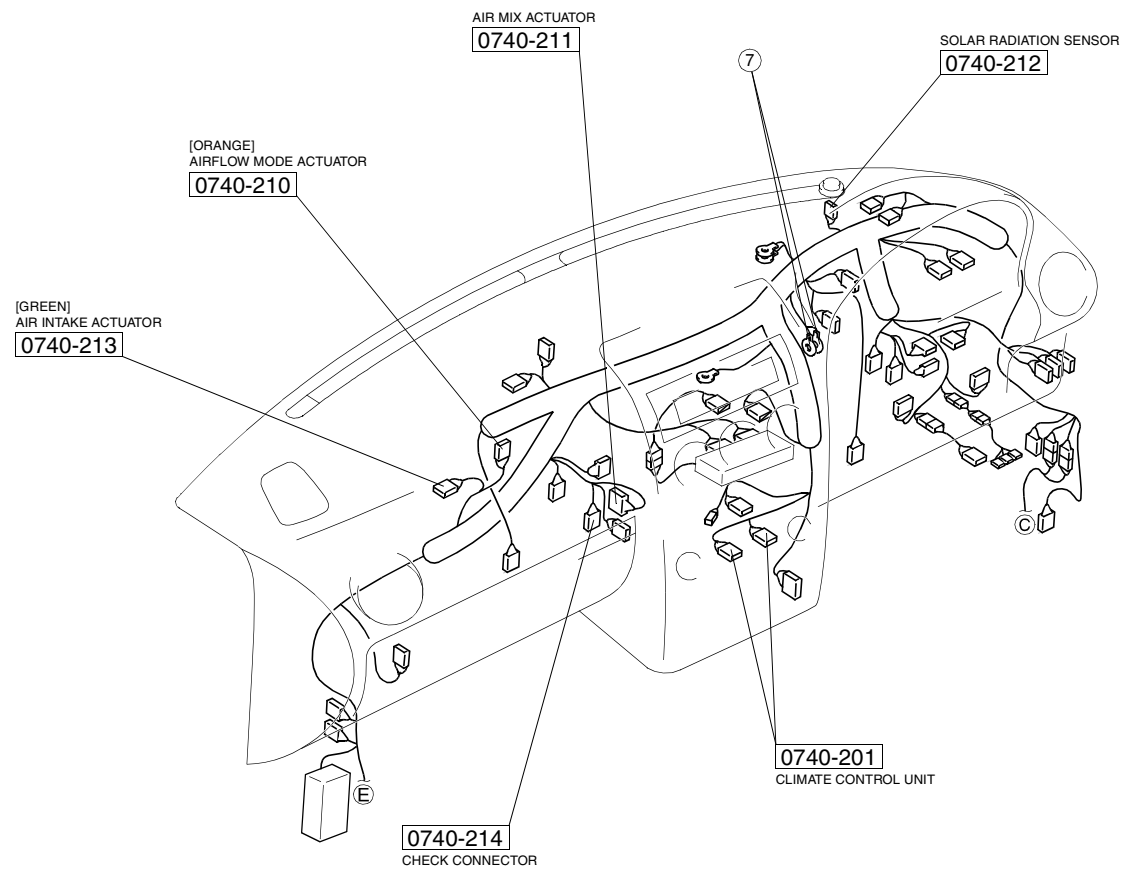
HARNESS SYMBOL :  (F)  (E)  (D)  (R)





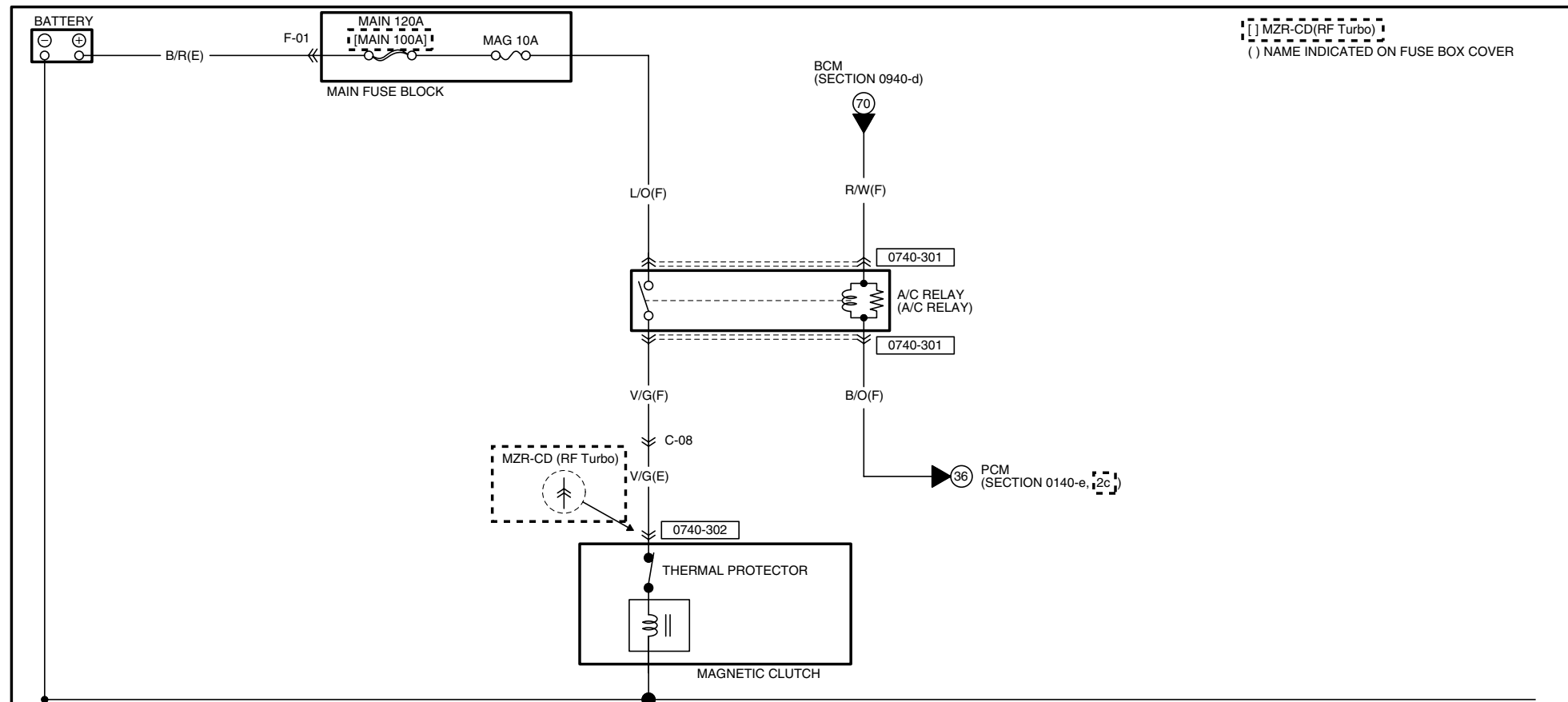
*	V/Y
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HARNESS SYMBOL :  (F)  (E)  (D)  (R)



A/C COMPRESSOR CONTROL

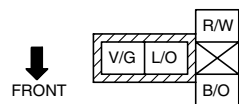
0740-3



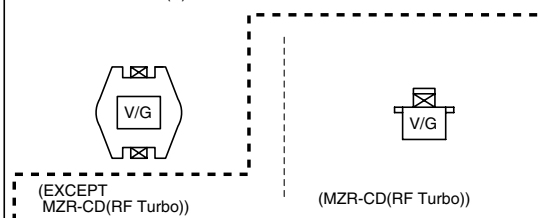
[] MZR-CD(RF Turbo)

() NAME INDICATED ON FUSE BOX COVER

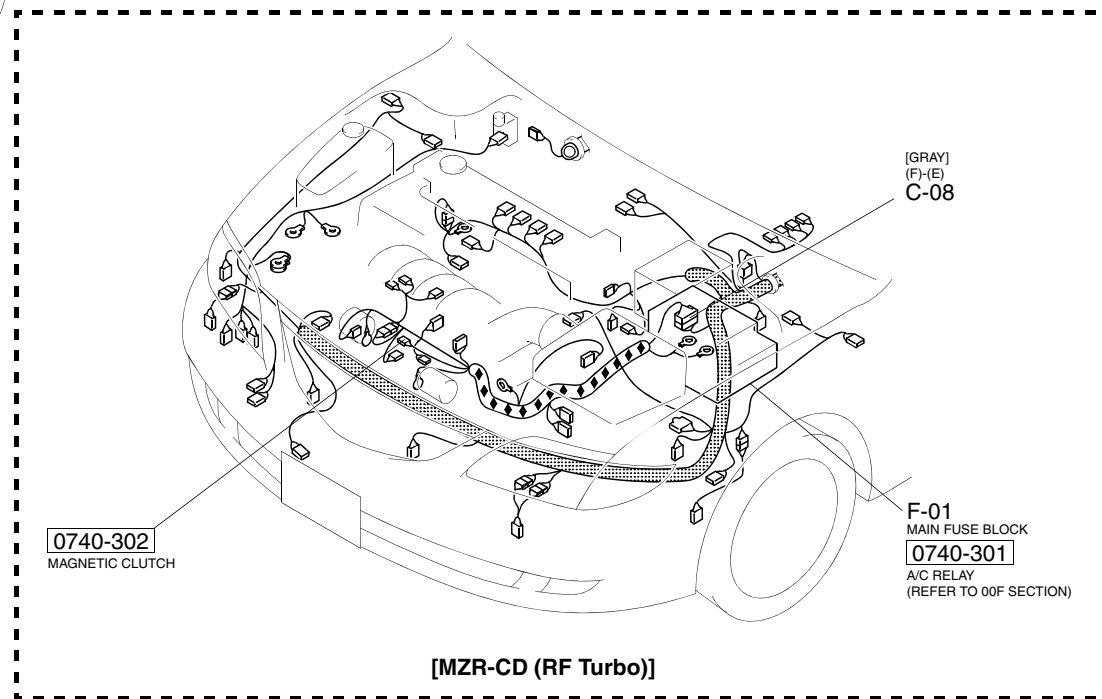
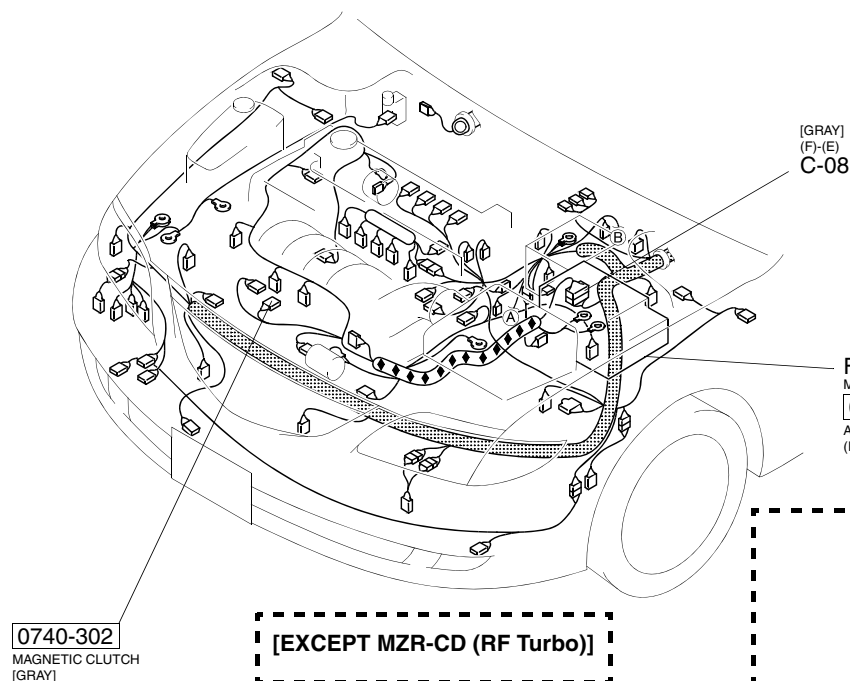
0740-301
A/C RELAY(F)



0740-302
MAGNETIC CLUTCH(E)



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



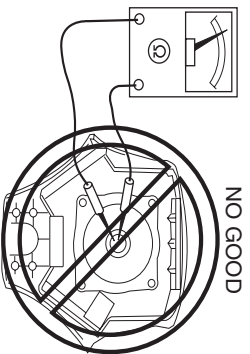
AIR BAG SYSTEM

SERVICE WARNINGS

B3E081001046W02

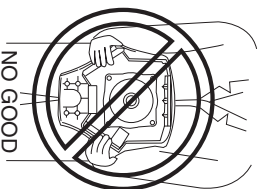
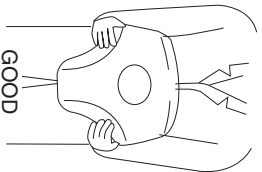
Air Bag Module Inspection

- Inspecting an air bag module using a tester can operate (deploy) the air bag module, which may cause serious injury. Do not use a tester to inspect an air bag module. Always use the on-board diagnostic function to diagnose the air bag module for malfunctions.



Air Bag Module Handling

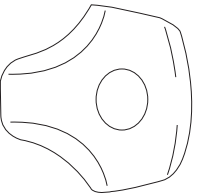
- Handling a live (undeployed) air bag module that is pointed toward your body could result in serious injury if the air bag module were to accidentally operate (deploy). When carrying a live (undeployed) air bag module, point the deployment surface away from your body to lessen the chance of injury in case it operates (deploys).



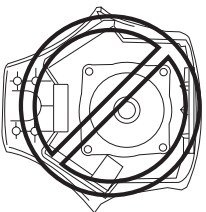
DP E8102W1003

- A live (undeployed) air bag module placed with its deployment surface to ground is dangerous. If the air bag module were to accidentally operate (deploy), it could cause serious injury. Always place a live (undeployed) air bag module with its deployment surface up.

GOOD



NO GOOD



DP E8102W1004

Side Air Bag Module Handling

- When a side air bag module operates (deploys) due to a collision, the interior of the seat back (pad, frame, trim) may become damaged. If a side air bag does not operate (deploy) normally from a seat back that has been reused, a serious accident may result. After a side air bag has operated (deployed), always replace both the side air bag module and the seat back (pad, frame, trim) with new parts. After servicing, verify that the seat operates normally and that the wiring harness is not caught.

SAS Control Module Handling

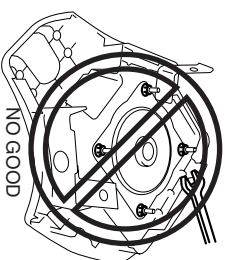
- Removing the SAS control module or disconnecting the SAS control module connector with the ignition switch at the ON position can activate the sensor in the SAS control module and operate (deploy) the air bags and pre-tensioner seat belts, which may cause serious injury. Before removing the SAS control module or disconnecting the SAS control module connector, always turn the ignition switch to the LOCK position, disconnect the negative battery cable, and then wait for 1 min or more to allow the backup power supply of the SAS control module to deplete its stored power.
- Connecting the SAS control module connector with the SAS control module not securely fixed to the vehicle is dangerous. The sensor in the SAS control module could send an electrical signal to the air bag modules and pre-tensioner seat belts. This will operate (deploy) the air bags and pre-tensioner seat belts, which may result in serious injury. Therefore, before connecting the connector, securely fix the SAS control module to the vehicle.
- Because a sensor is built into the SAS control module, once the air bags and pre-tensioner seat belts have operated (deployed) due to a collision or other causes, the SAS control module must be replaced with a new one even if the used one does not have any visible external damage or deformation. The used SAS control module may have been damaged internally, which may cause improper operation. If the SAS control module is reused, the air bags and pre-tensioner seat belts may not operate (deploy) normally, which could result in a serious accident. Always replace the SAS control module with a new one. The SAS control module cannot be bench-checked or self-checked.

SERVICE CAUTIONS

BSE081001046W03

Air Bag System Component Disassembly

- Disassembling the air bag system components could cause it to not operate (deploy) normally. Never disassemble any air bag system components.

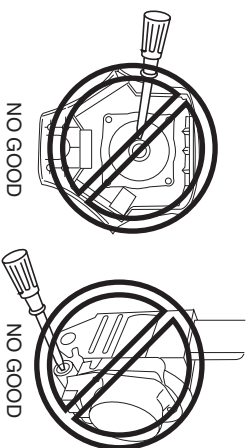


NO GOOD

DPE810ZW1005

Air Bag Module, Pre-tensioner Seat Belt Handling

- Oil, grease, or water on the air bag modules may cause the air bags and pre-tensioner seat belts to fail to operate (deploy) in an accident. Never allow oil, grease, or water to get on the air bag modules or pre-tensioner seat belts.
- Inserting a screwdriver or similar object into the connector of an air bag module or a pre-tensioner seat belt may damage the connector and cause the air bag module or the pre-tensioner seat belt to operate (deploy) improperly, which may cause serious injury. Never insert any foreign objects into the air bag module or seat belt connectors.



NO GOOD

NO GOOD

DPE810ZW1006

Air Bag Module, Pre-tensioner Seat Belt Reuse

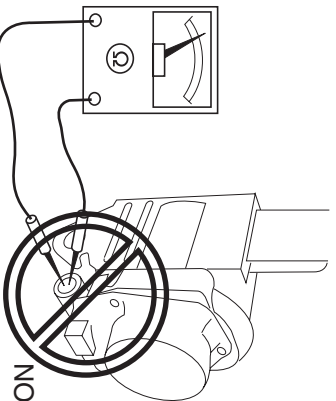
- Even if an air bag module or a pre-tensioner seat belt does not operate (deploy) in a collision and does not have any external signs of damage, it may have been damaged internally, which may cause improper operation. Before reusing a live (undeployed) air bag module and the pre-tensioner seat belts, always use the on-board diagnostic to diagnose the air bag module and the pre-tensioner seat belts to verify that they have no malfunction.

Side Air Bag Sensor Handling

- Removing the side air bag sensor or disconnecting the side air bag sensor connector with the ignition switch at the ON position can activate the side air bag sensor and operate (deploy) the side air bag, which may cause serious injury. Before removing the side air bag sensor or disconnecting the side air bag sensor connector, always turn the ignition switch to the LOCK position, disconnect the negative battery cable, and then wait for 1 min or more to allow the backup power supply of the SAS control module to deplete its stored power.
- If the side air bag sensor is subjected to shock or the sensor is disassembled, the side air bag may accidentally operate (deploy) and cause injury, or the system may fail to operate normally and cause a serious accident. Do not subject the side air bag sensor to shock or disassemble the sensor.
- Because a sensor is built into the side air bag sensor, once the air bag has operated (deployed) due to a collision or other causes, the side air bag sensor must be replaced with a new one even if the used one does not have any visible external damage or deformation. If the side air bag sensor is reused, the side air bag may not operate (deploy) normally, which could result in a serious accident. Always replace the side air bag sensor with a new one. The side air bag sensor cannot be bench-checked or self-checked.

Pre-tensioner seat belt Inspection

- Inspecting a pre-tensioner seat belt using a tester can operate (deploy) the pre-tensioner seat belt, which may cause serious injury. Do not use a tester to inspect a pre-tensioner seat belt. Always use the on-board diagnostic function to diagnose the pre-tensioner seat belt for malfunctions.

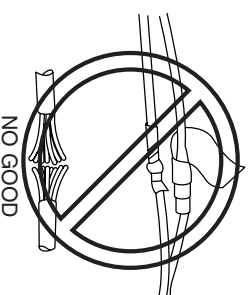


NO GOOD

CHU0810W603

Air Bag Wiring Harness Repair

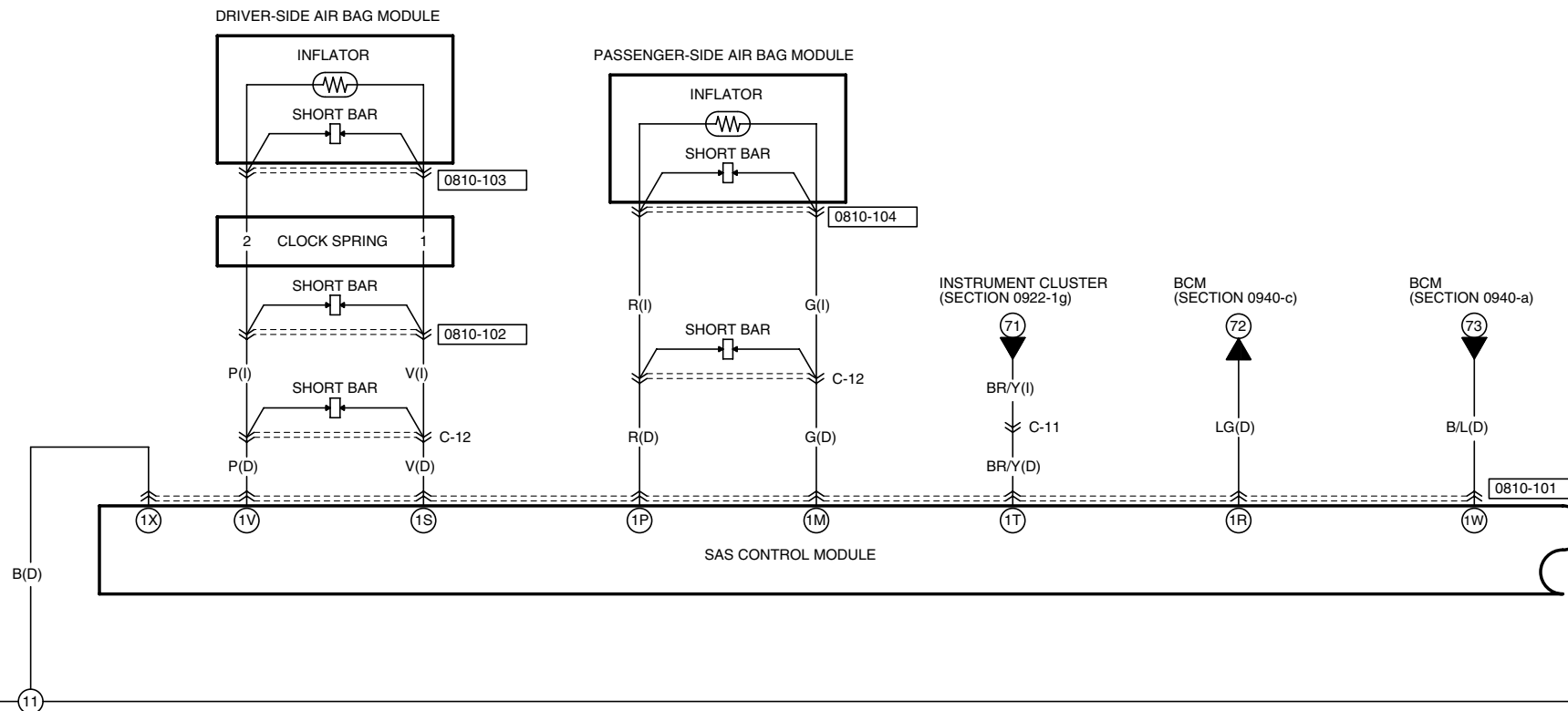
- Incorrectly repairing an air bag wiring harness can accidentally operate (deploy) the air bag module and pre-tensioner seat belts. If a problem is found in the air bag wiring harness, always replace the wiring harness with a new one.



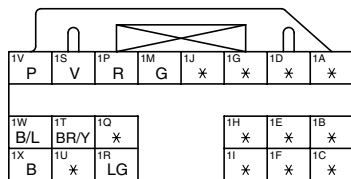
NO GOOD

CHU0810W606

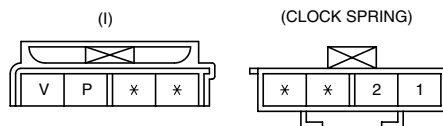
*: VACANT



0810-101
SAS CONTROL MODULE(D)

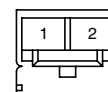


0810-102
INSTRUMENT PANEL(I)-CLOCK SPRING



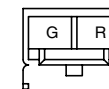
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

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

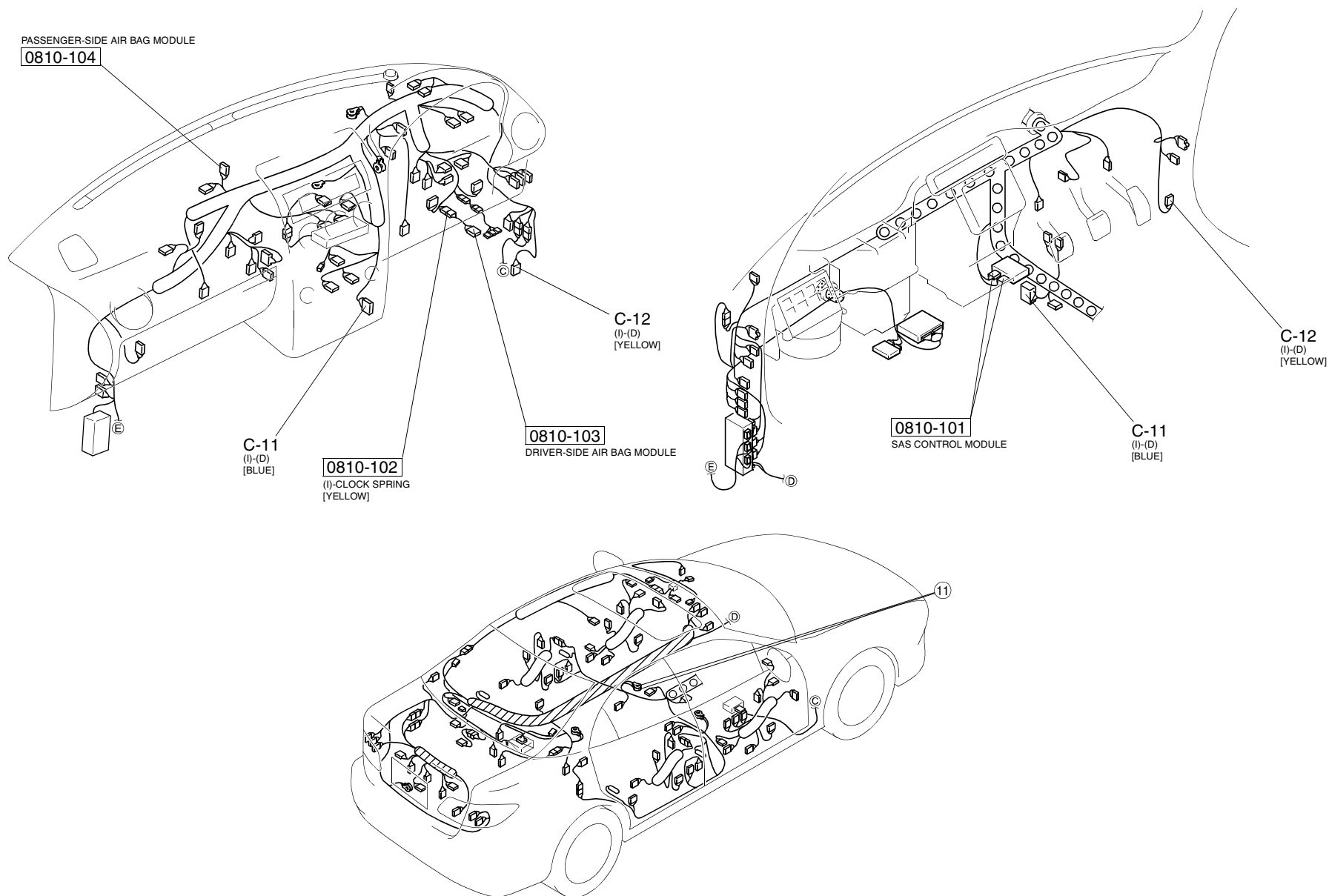


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

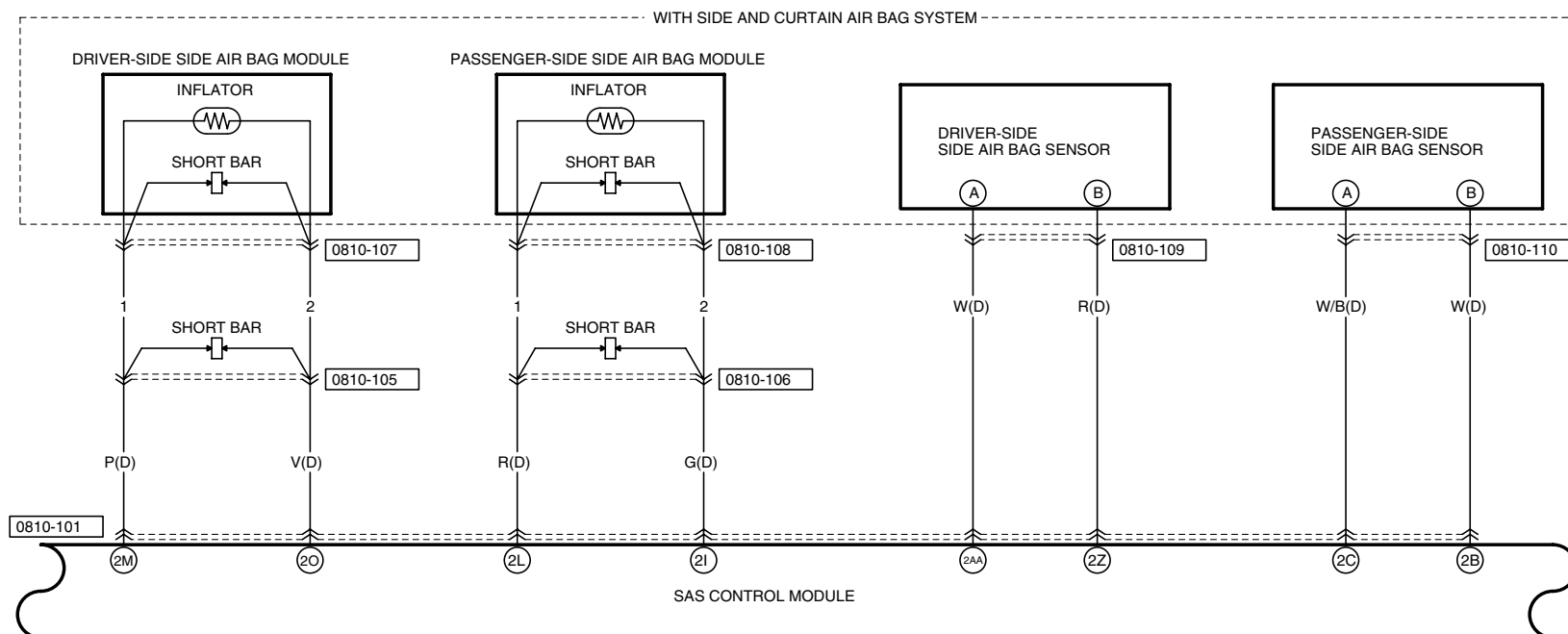
0810-104
PASSENGER-SIDE AIR BAG MODULE(I)



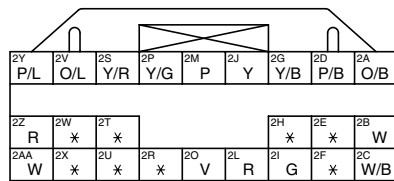
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



*: VACANT



0810-101
SAS CONTROL MODULE(D)

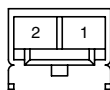


0810-105
DASH(D)-SHORT CORD



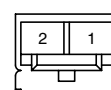
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0810-107
DRIVER-SIDE SIDE AIR BAG MODULE (SHORT CORD)



TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0810-108
PASSENGER-SIDE SIDE AIR BAG MODULE (SHORT CORD)



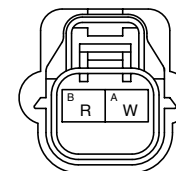
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0810-106
DASH(D)-SHORT CORD

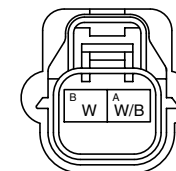


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

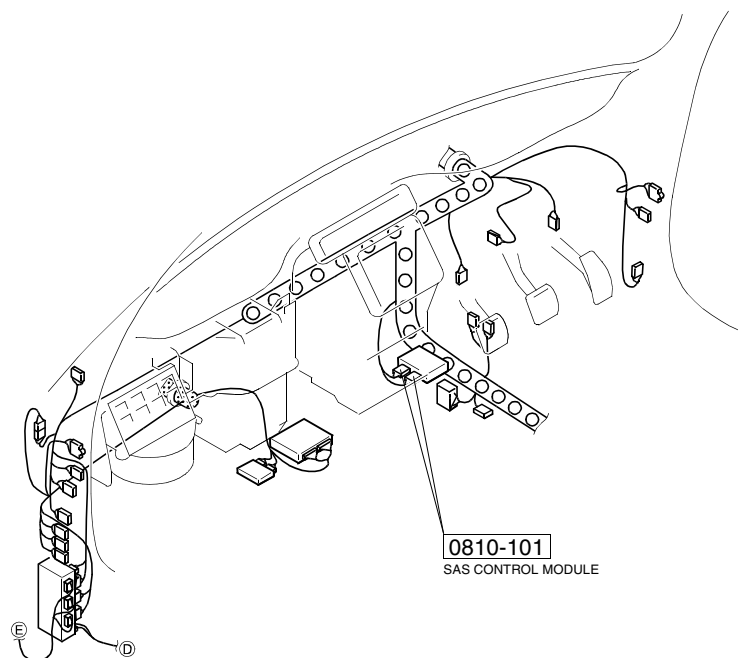
0810-109
DRIVER-SIDE SIDE AIR BAG SENSOR(D)



0810-110
PASSENGER-SIDE SIDE AIR BAG SENSOR(D)

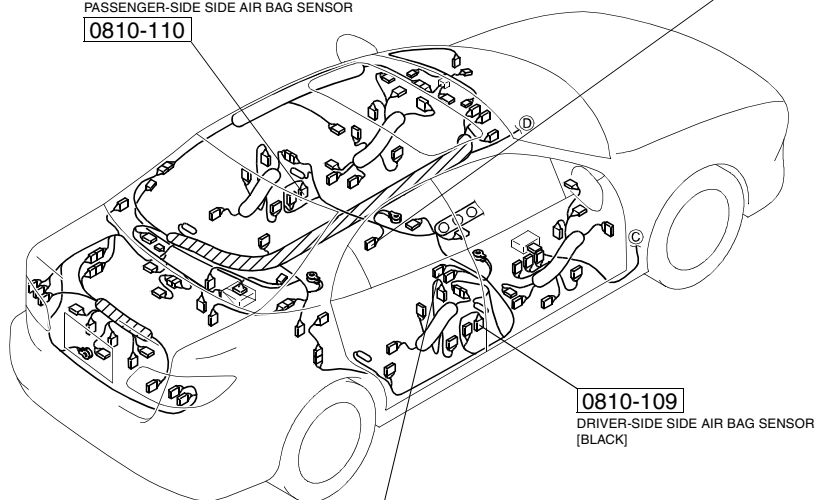


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



[BLACK]
PASSENGER-SIDE SIDE AIR BAG SENSOR
0810-110

(D)-SHORT CORD
0810-106



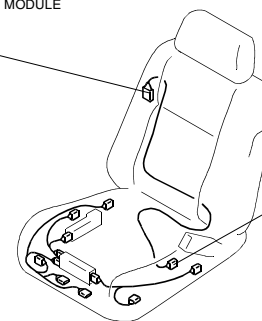
0810-109
DRIVER-SIDE SIDE AIR BAG SENSOR
[BLACK]

0810-105
(D)-SHORT CORD
[YELLOW]

SEAT RH

DRIVER-SIDE SIDE AIR BAG MODULE
0810-107

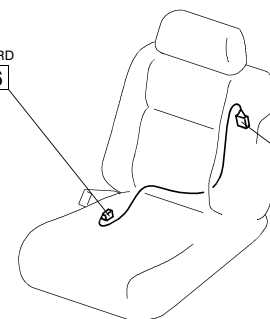
[YELLOW]
(D)-SHORT CORD
0810-105



SEAT LH

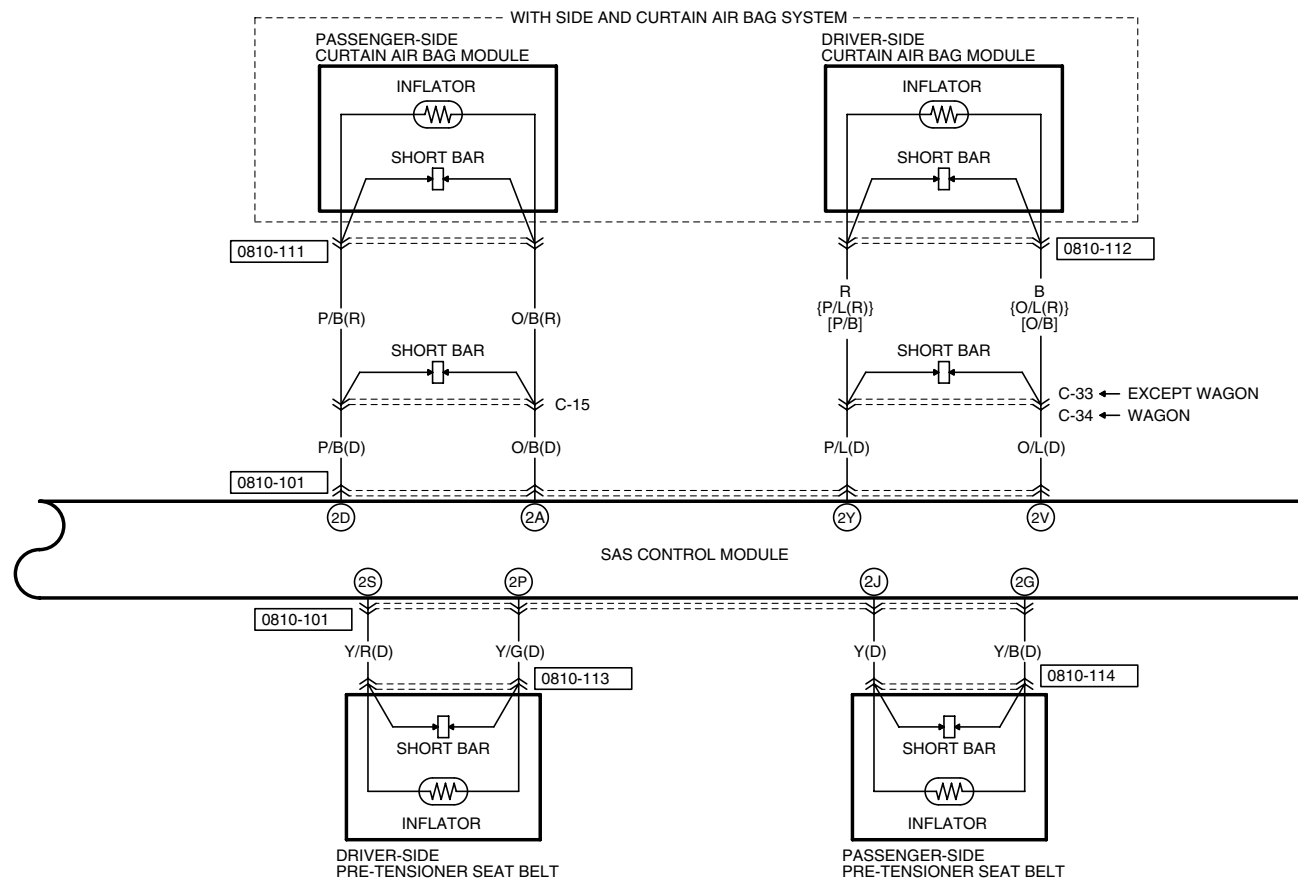
(D)-SHORT CORD
0810-106

0810-108
PASSENGER-SIDE SIDE
AIR BAG MODULE



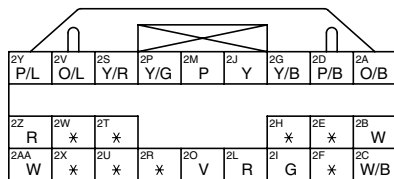
AIR BAG SYSTEM (INCLUDES PRE-TENSIONER SEAT BELT INFORMATION)

0810-1c

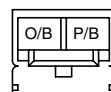


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[] 5HB
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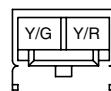
0810-101
SAS CONTROL MODULE(D)



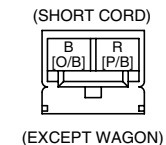
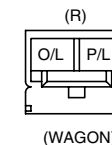
0810-111
PASSENGER-SIDE CURTAIN AIR BAG MODULE(R)



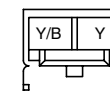
0810-113
DRIVER-SIDE PRE-TENSIONER SEAT BELT(D)



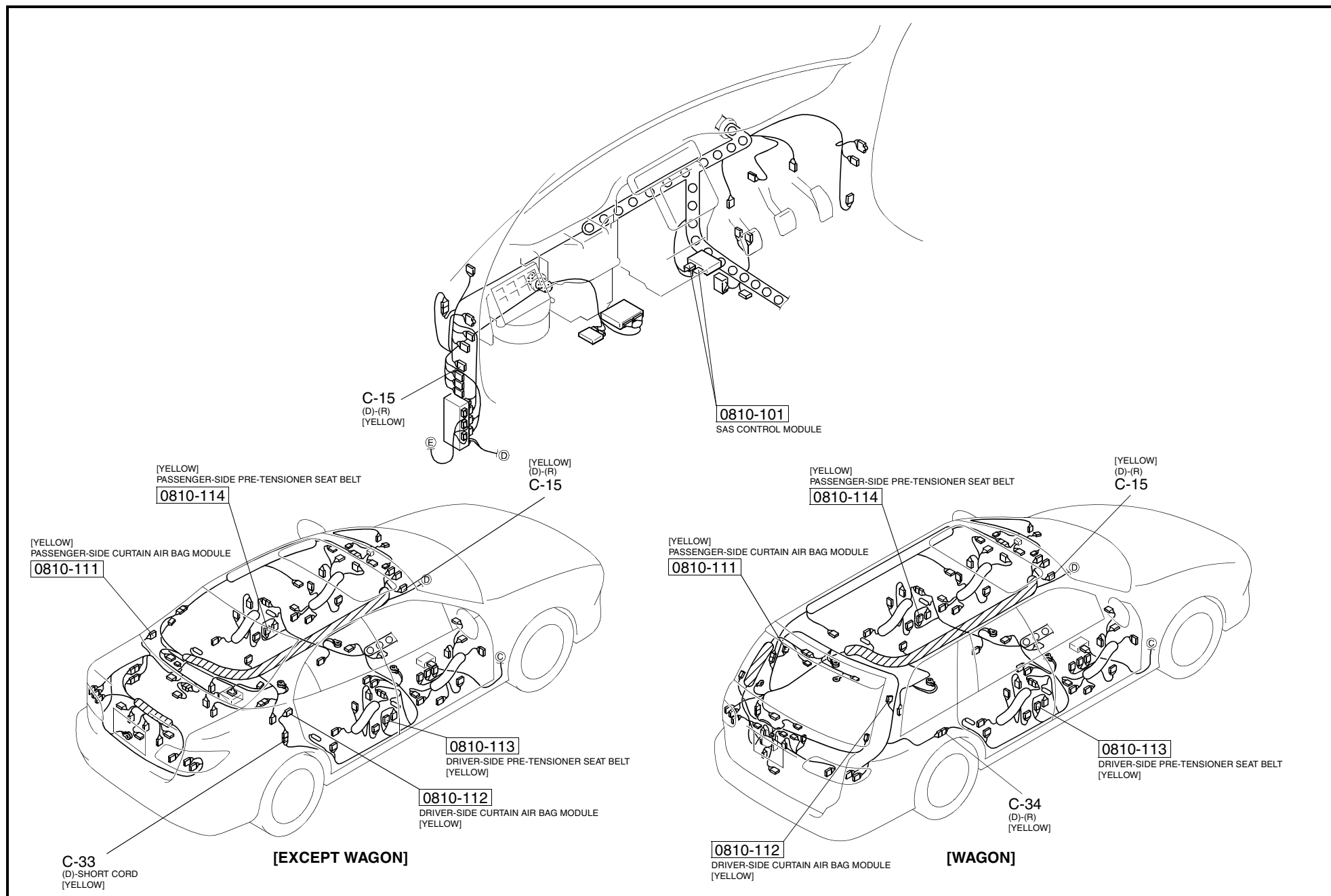
0810-112
DRIVER-SIDE CURTAIN AIR BAG MODULE

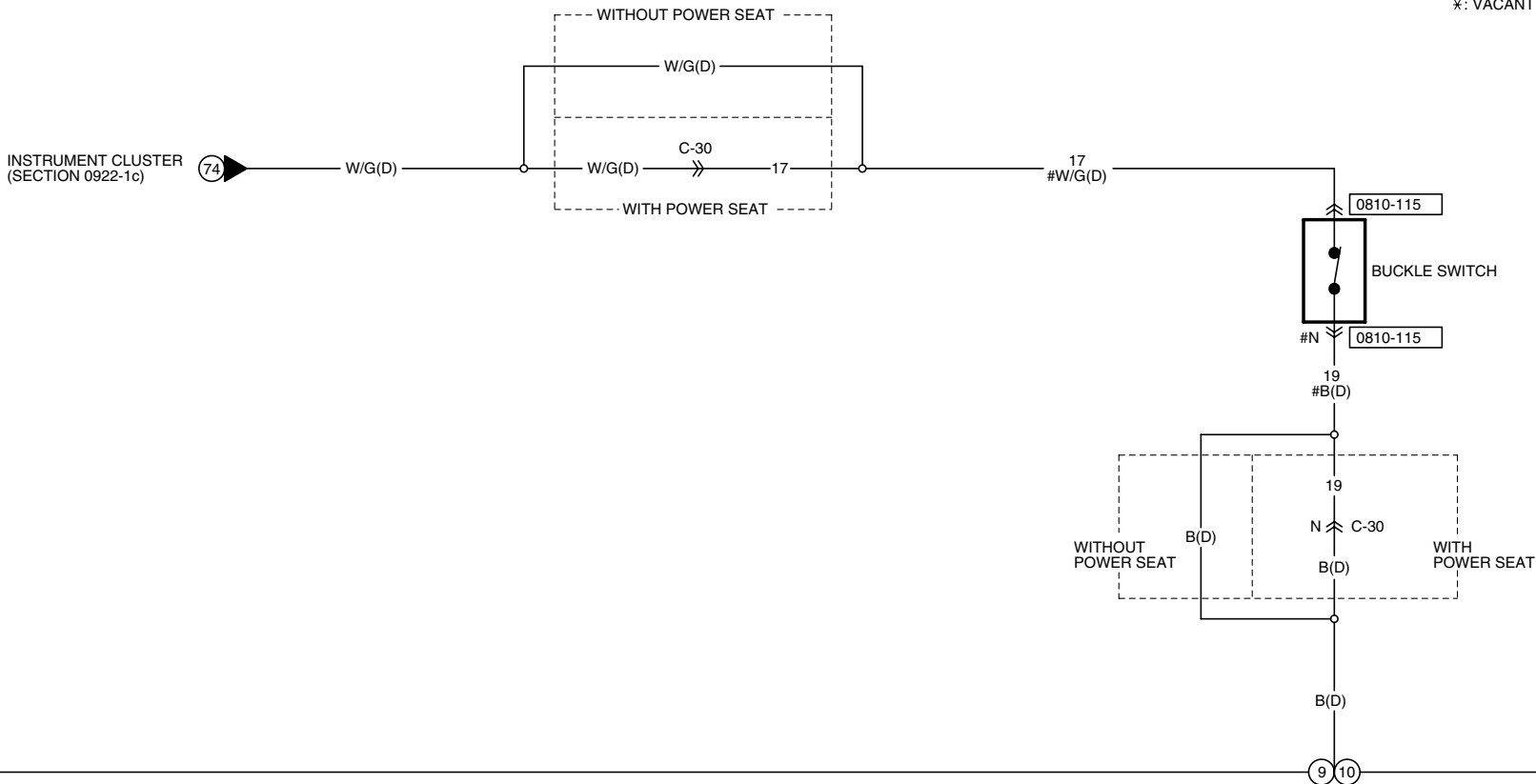


0810-114
PASSENGER-SIDE PRE-TENSIONER SEAT BELT(D)



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





TTT

0810-115
BUCKLE SWITCH

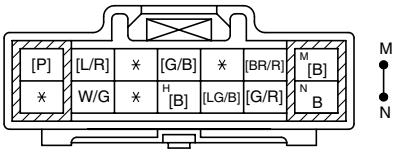
(SHORT CORD)



TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

(WITH POWER SEAT)

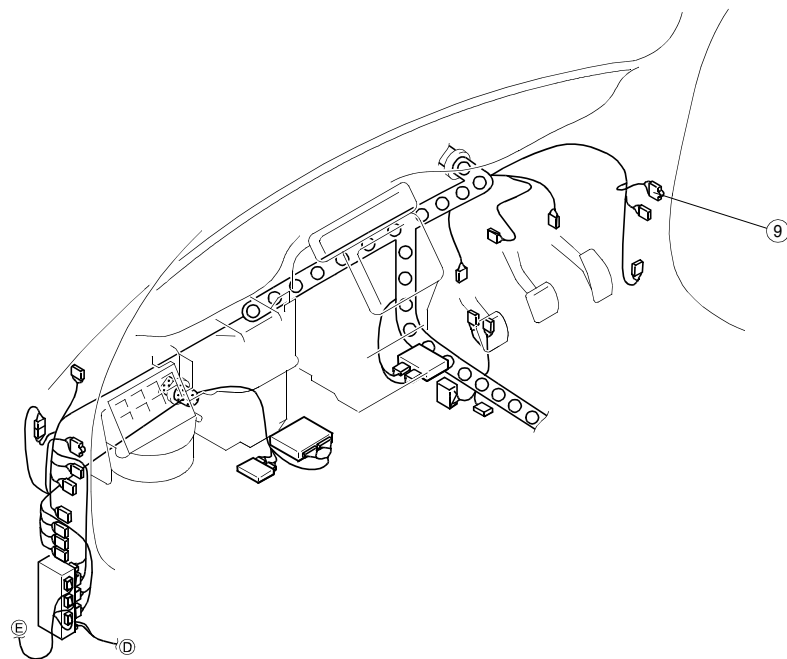
(D)



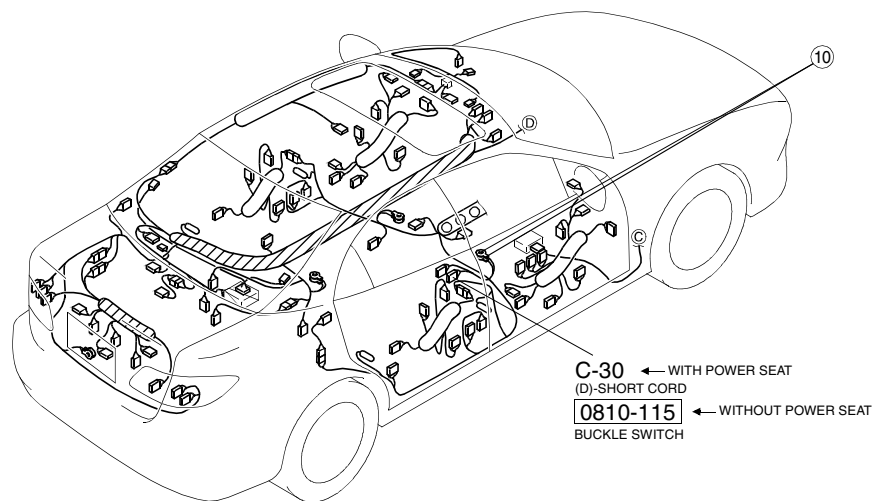
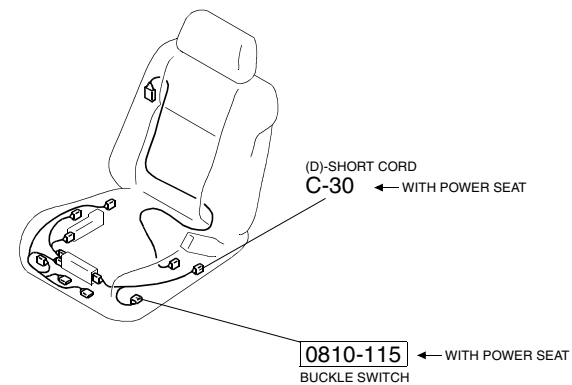
(WITHOUT POWER SEAT)

M
●
N

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

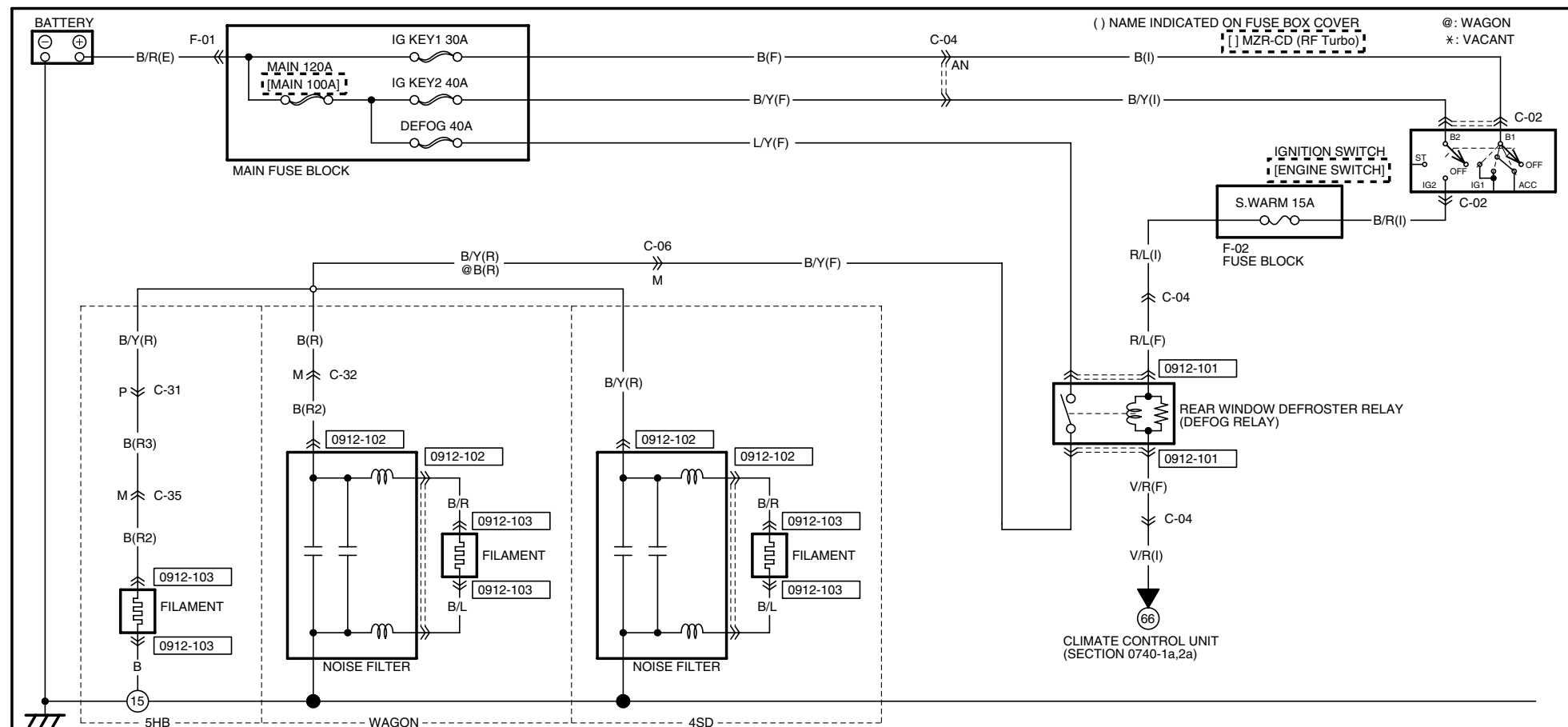


SEAT RH



REAR WINDOW DEFROSTER

0912-1

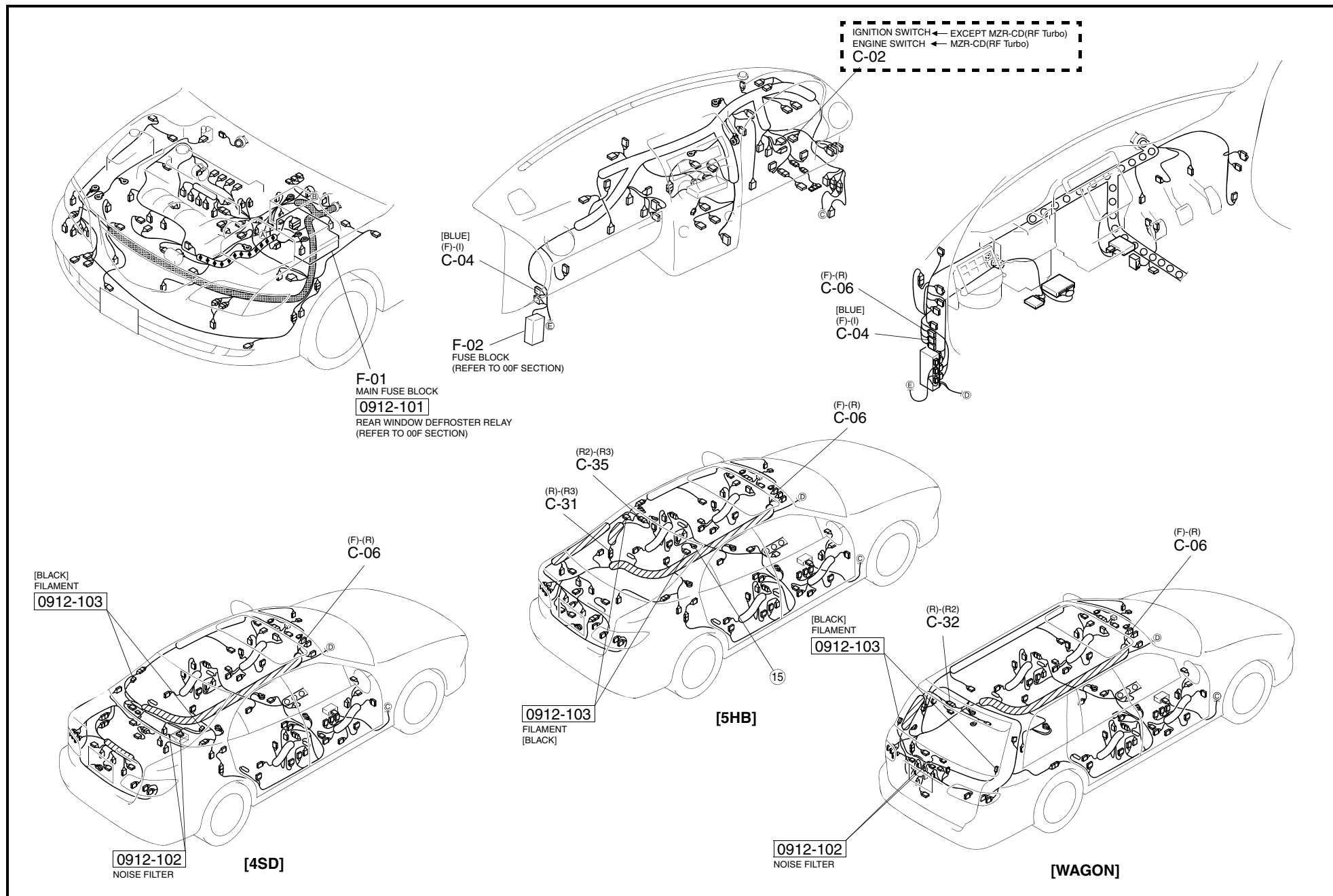


Mazda6 Wiring Diagram (5645-1*-05F)

108

Revised 9/2006 (Ref. No. L116/06)

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



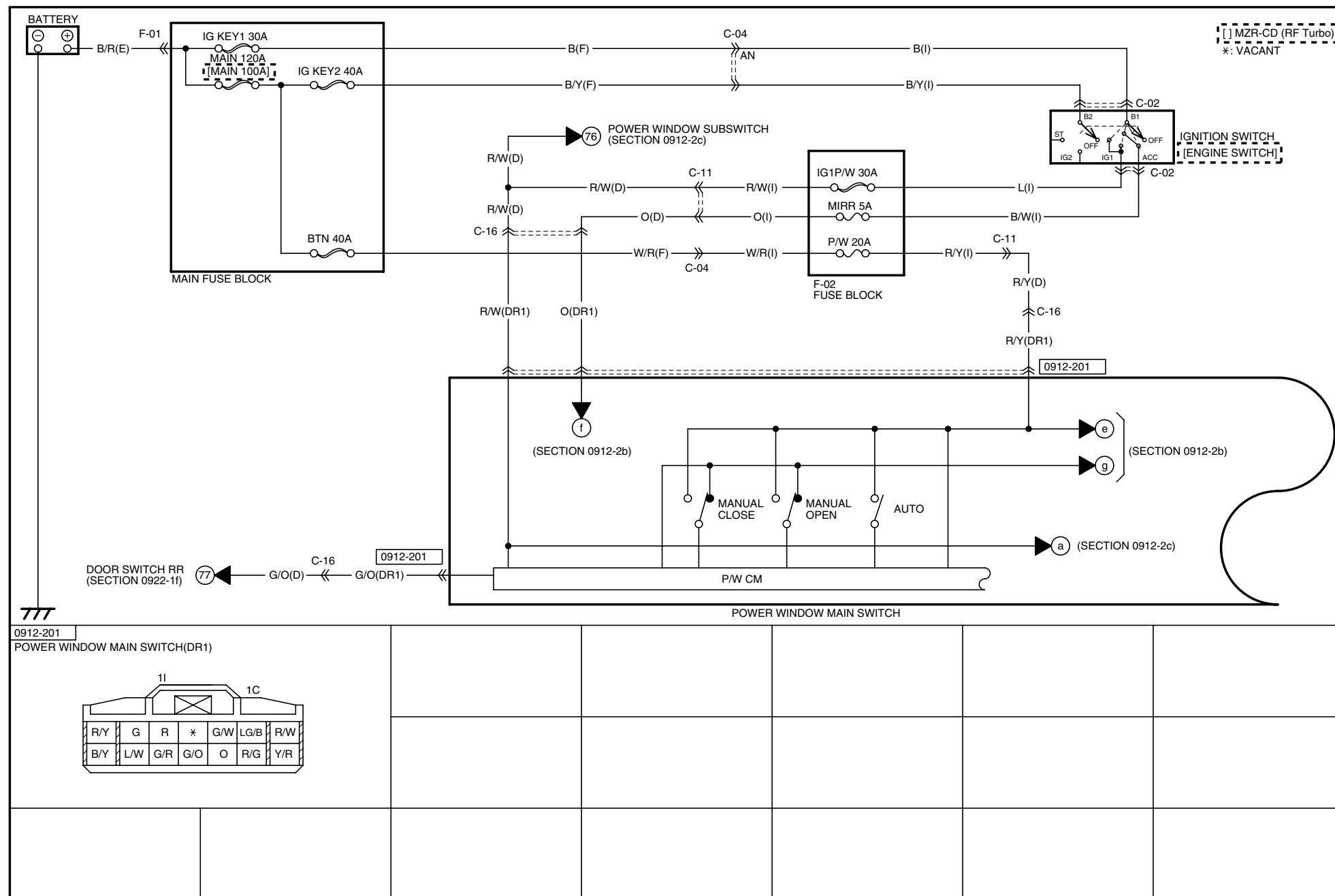
Mazda6 Wiring Diagram (5645-1*-05F)

09 BODY & ACCESSORIES
12 GLASS/WINDOWS/MIRRORS

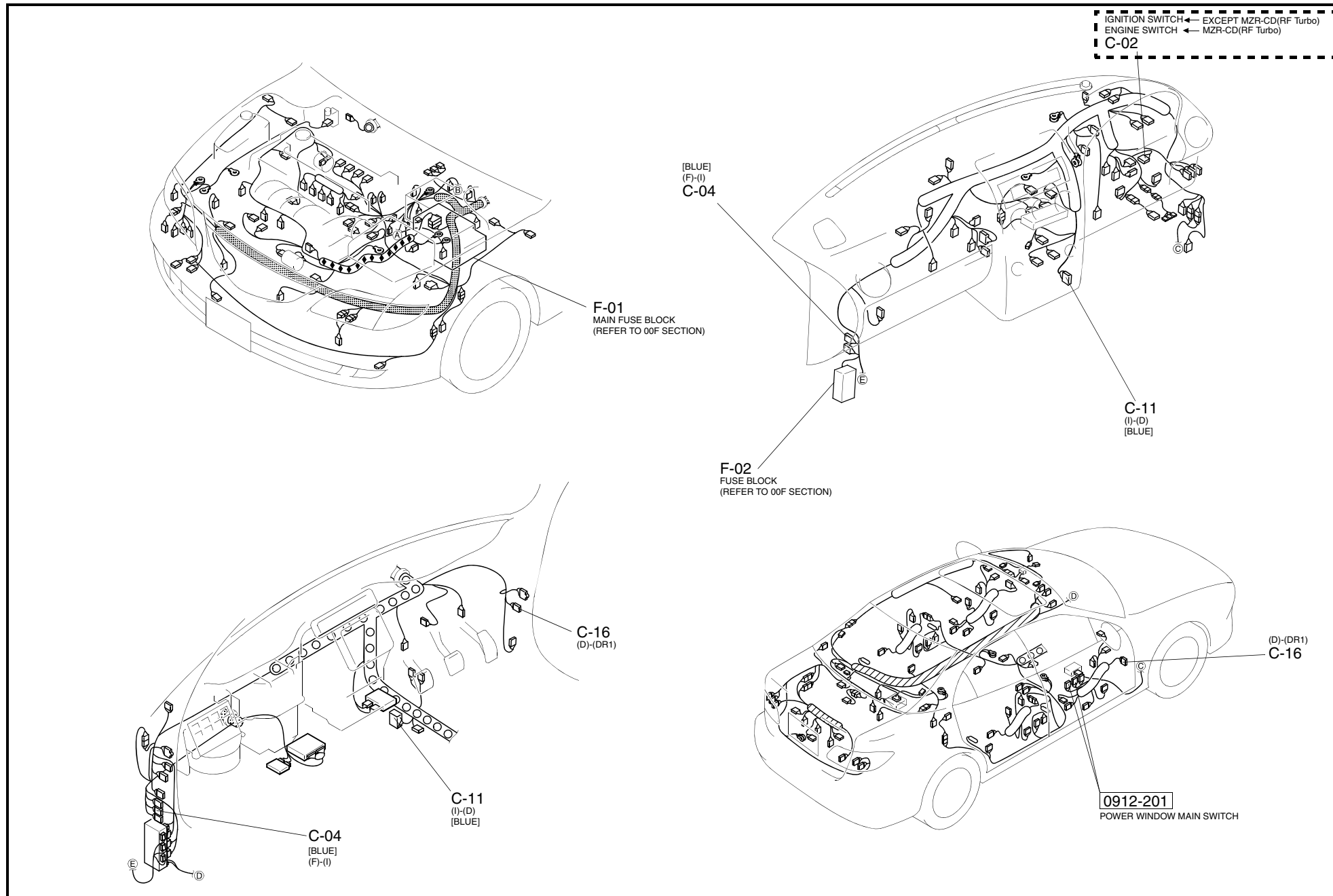
0912-1

POWER WINDOW SYSTEM

0912-2a



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

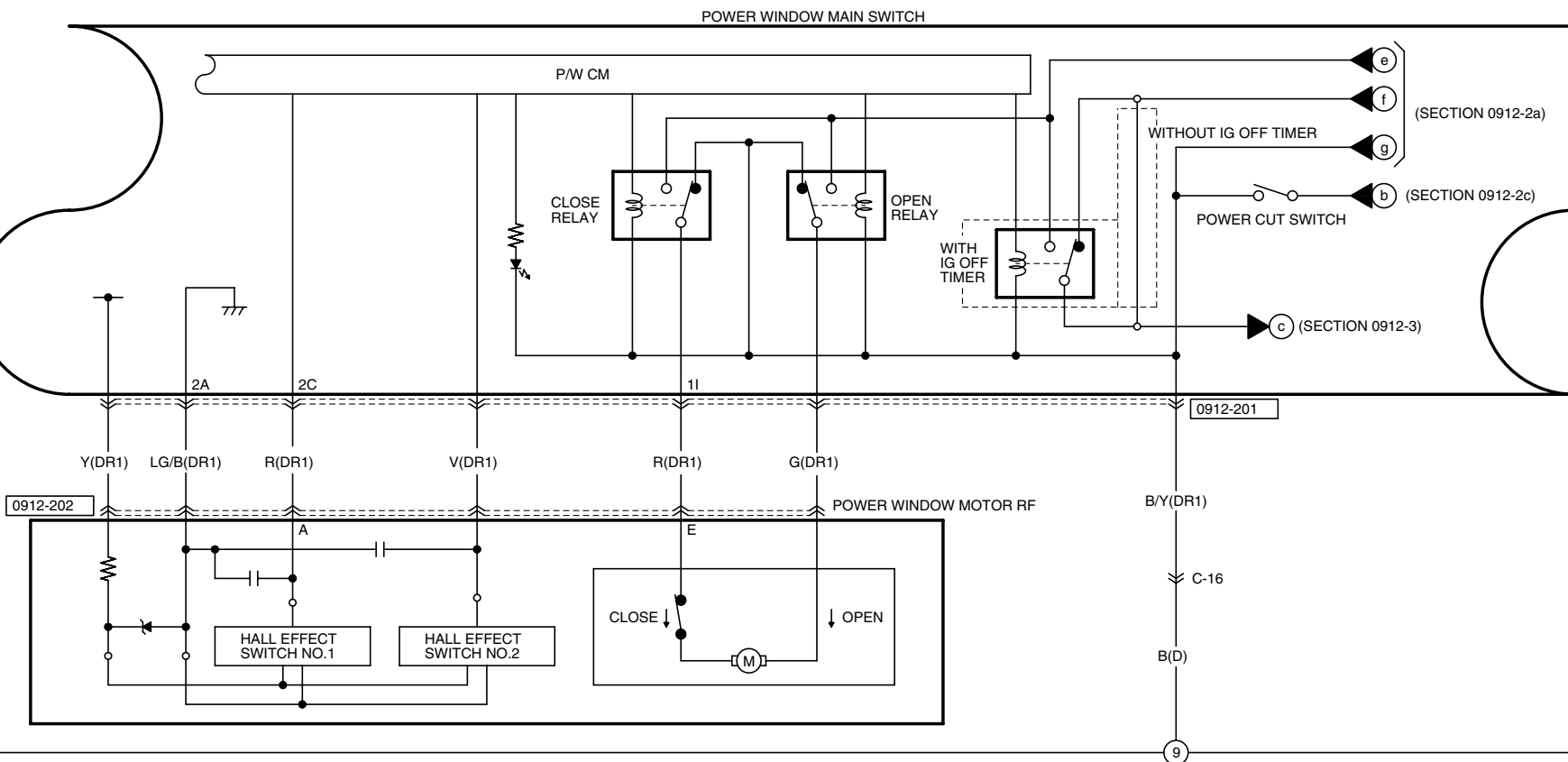


Mazda6 Wiring Diagram (5645-1*-05F)

09 BODY & ACCESSORIES
12 GLASS/WINDOWS/MIRRORS

0912-2a

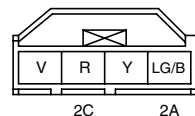
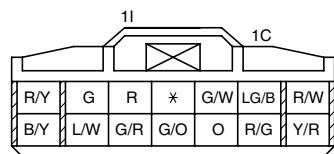
*: VACANT



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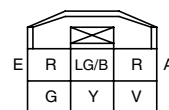
0912-201

POWER WINDOW MAIN SWITCH(DR1)

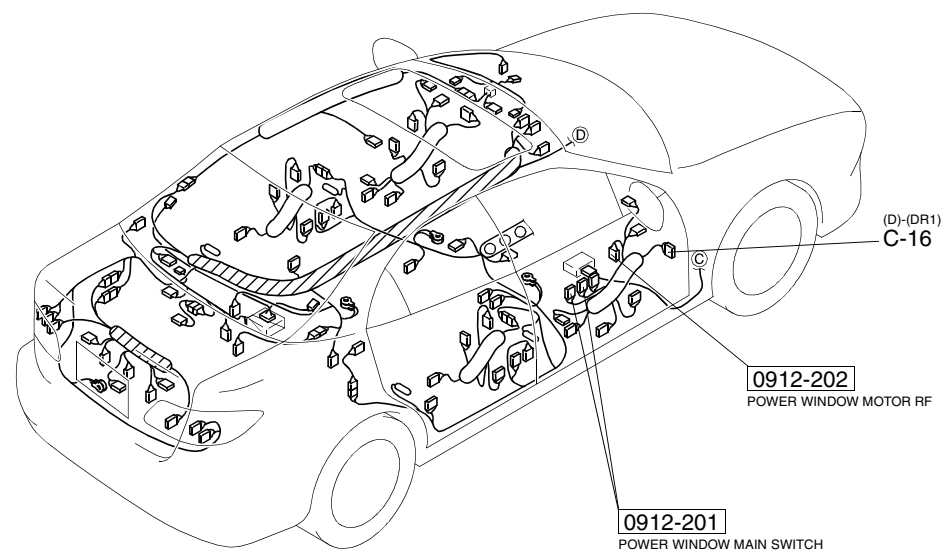
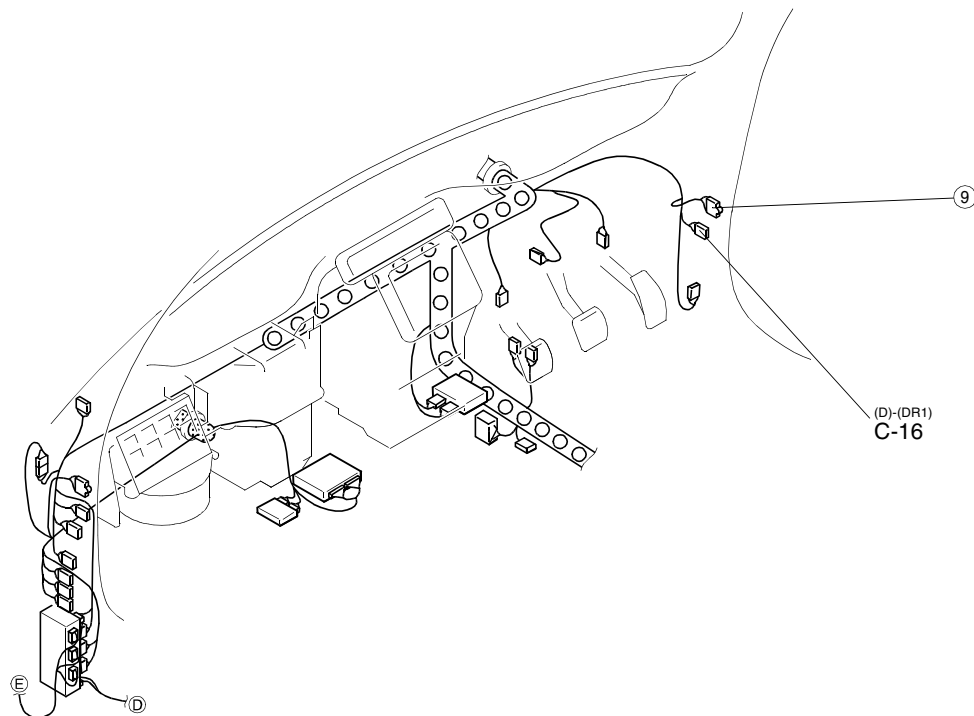


0912-202

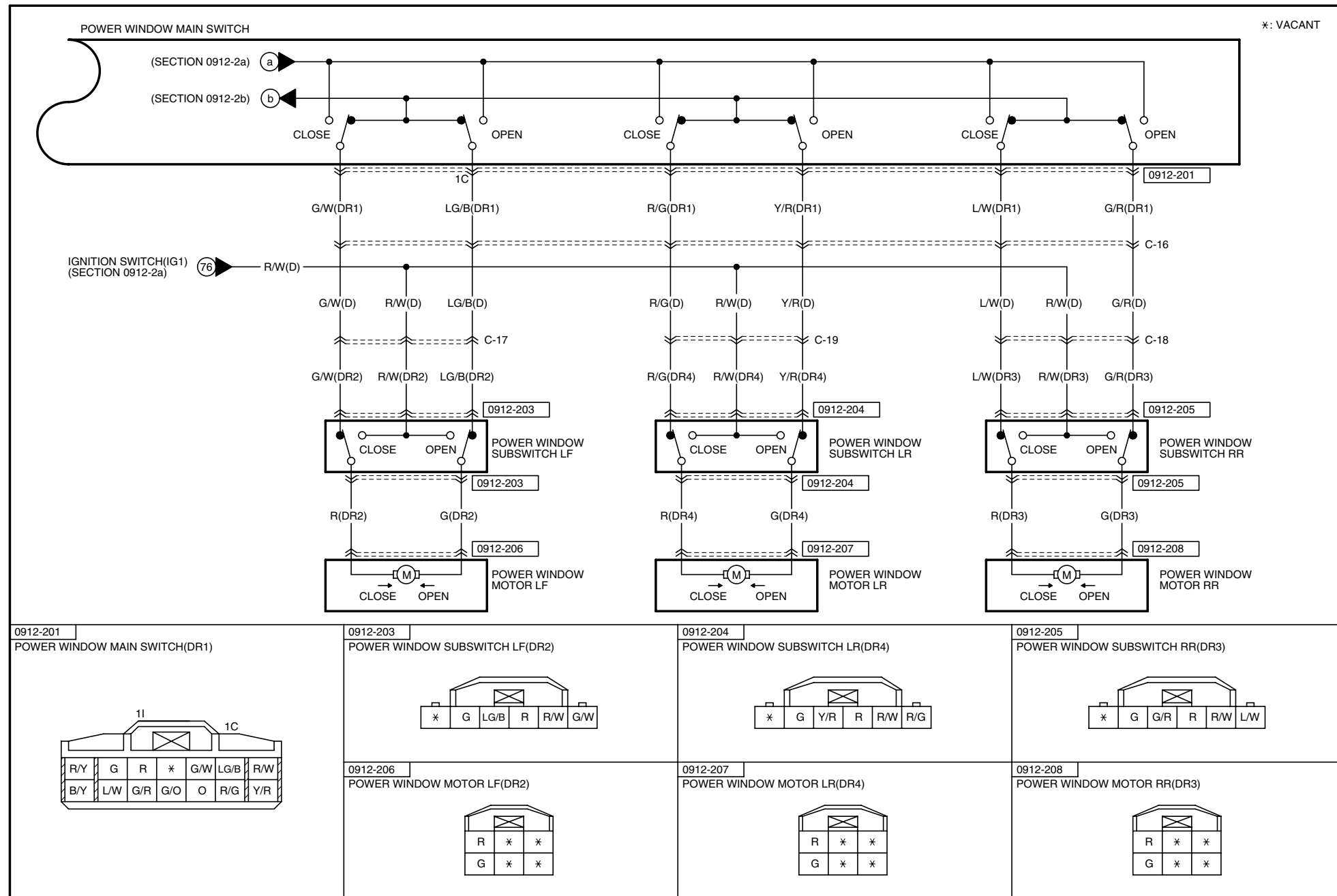
POWER WINDOW MOTOR RF(DR1)



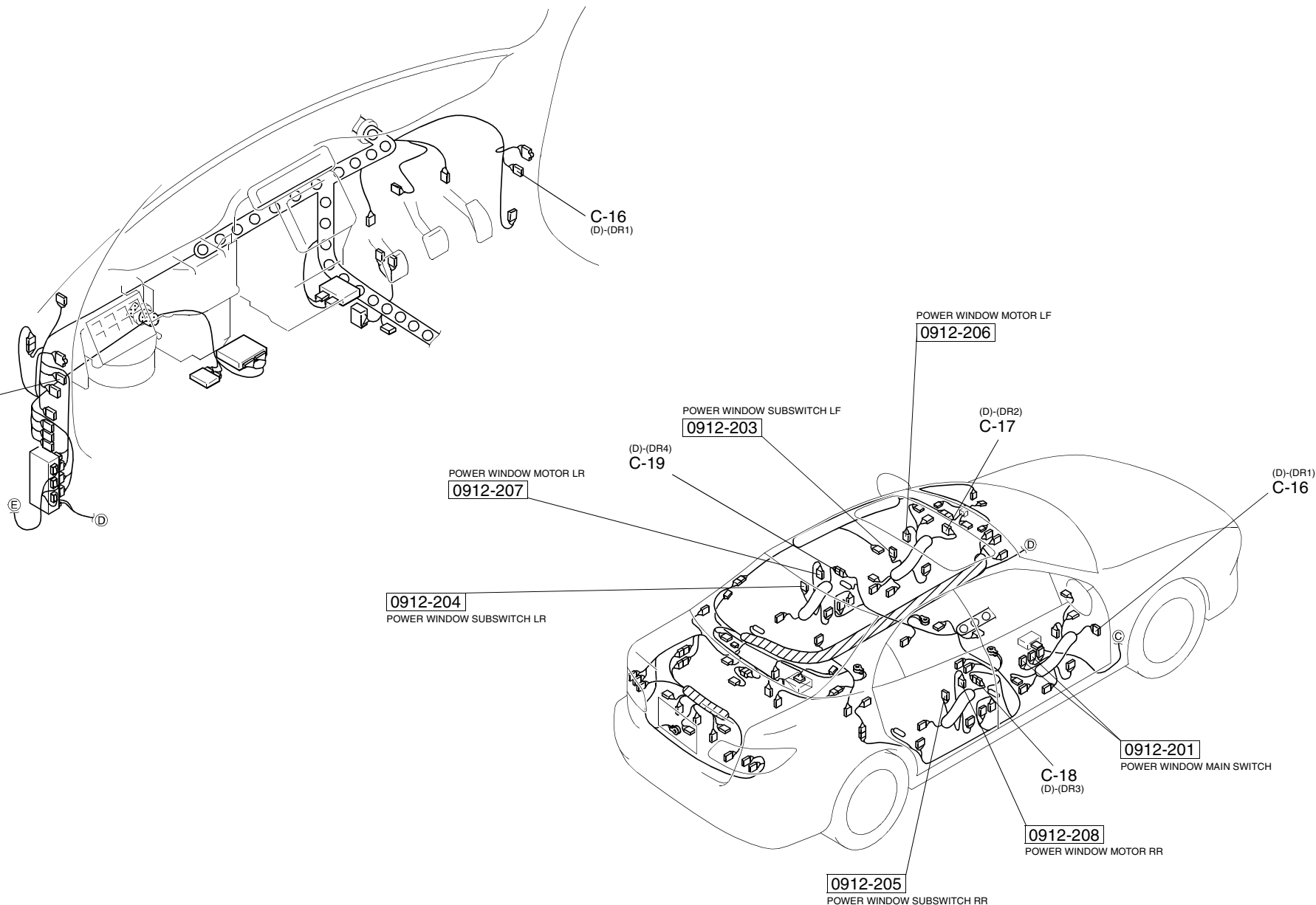
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



*: VACANT

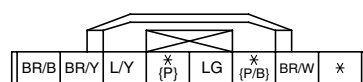
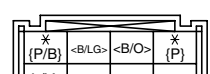

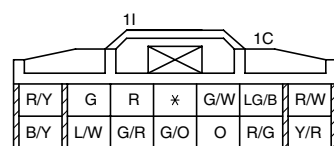


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

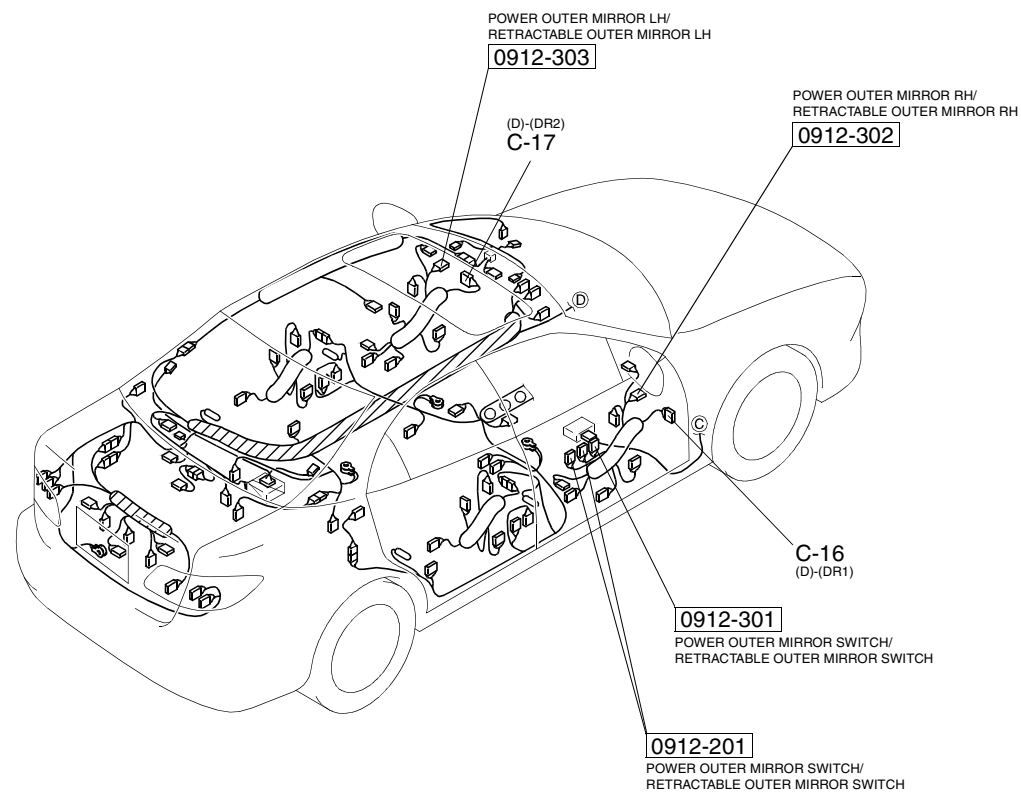
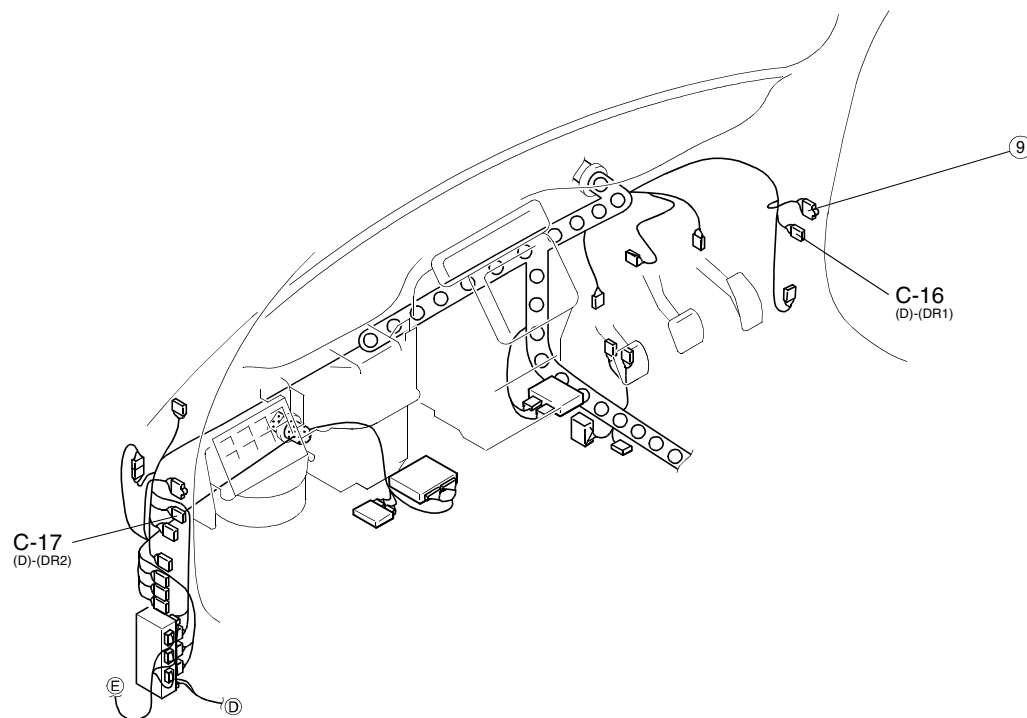




9

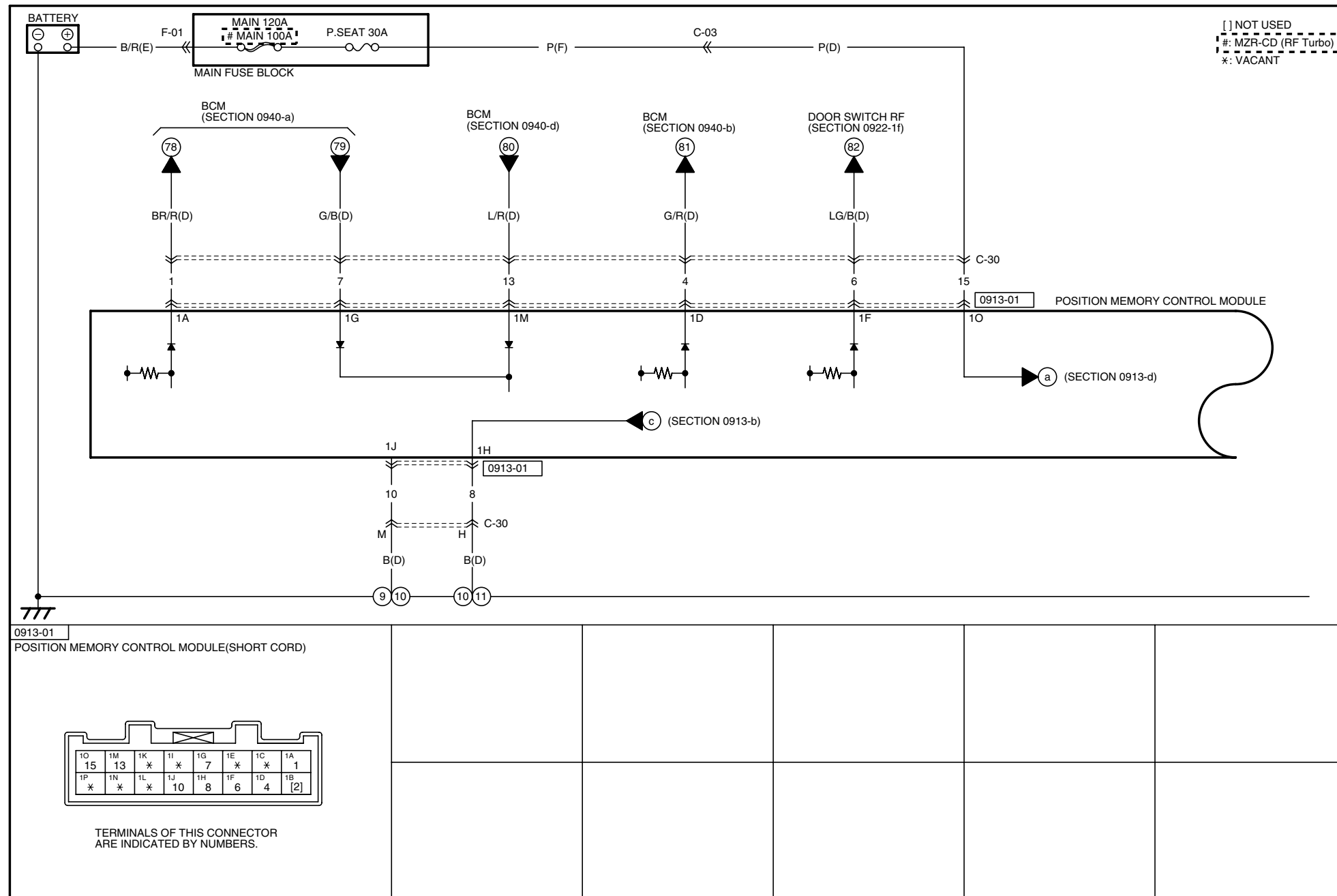
<div>0912-301</div> <div>POWER OUTER MIRROR SWITCH/ RETRACTABLE OUTER MIRROR SWITCH(DR1)</div> <div></div>	<div>0912-302</div> <div>POWER OUTER MIRROR RH/ RETRACTABLE OUTER MIRROR RH(DR1)</div> <div></div>	<div>0912-303</div> <div>POWER OUTER MIRROR LH/ RETRACTABLE OUTER MIRROR LH(DR2)</div> <div></div>	<div>0912-201</div> <div>POWER OUTER MIRROR SWITCH/ RETRACTABLE OUTER MIRROR SWITCH(DR1)</div> <div></div>	

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

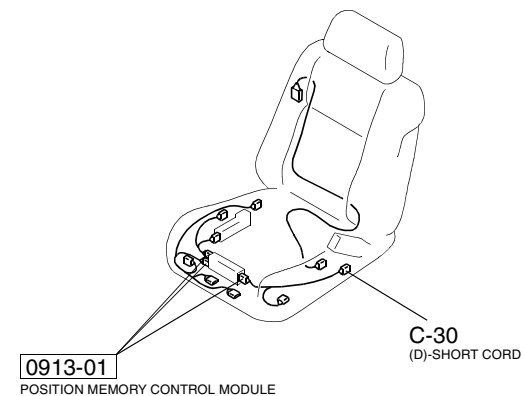
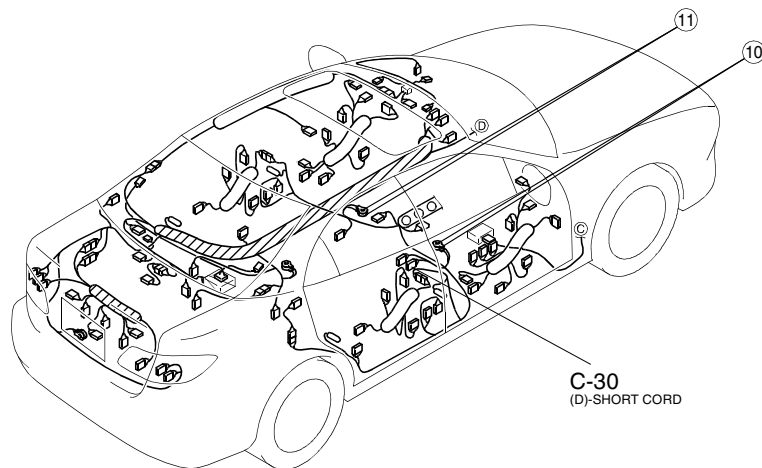
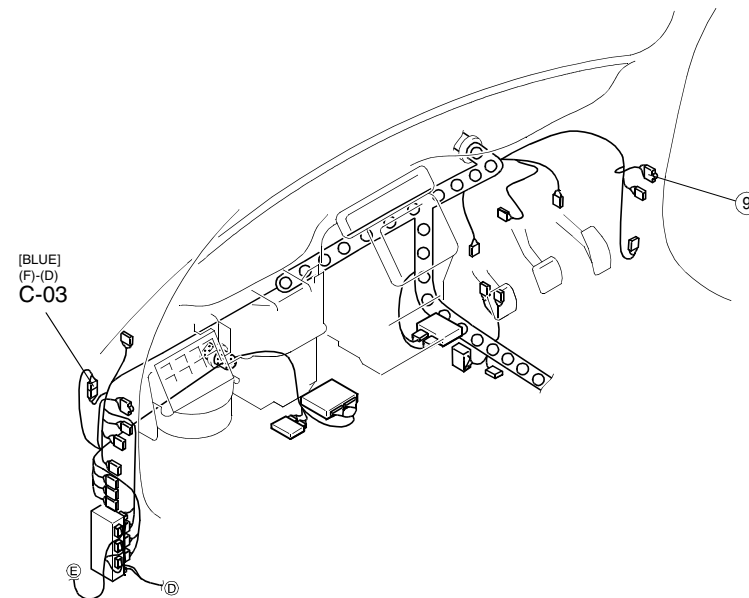
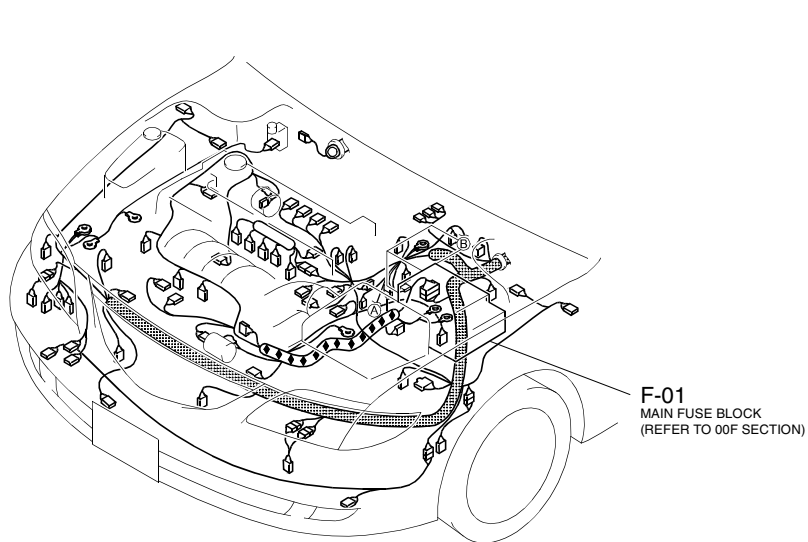


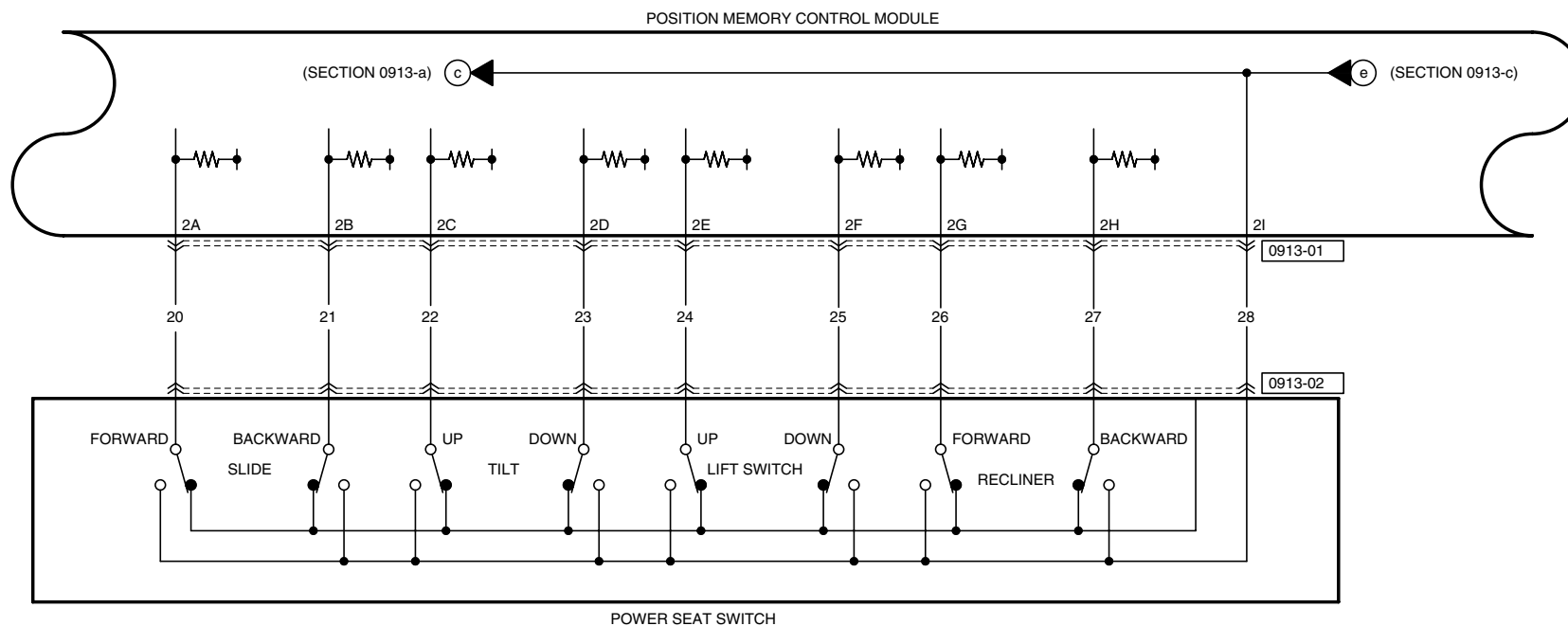
POWER SEAT

0913-a

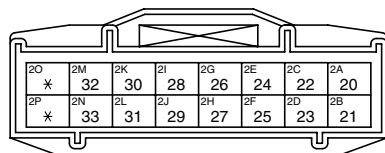


HARNESS SYMBOL :  (F)  (E)  (D)  (R)





0913-01
POSITION MEMORY CONTROL MODULE(SHORT CORD)



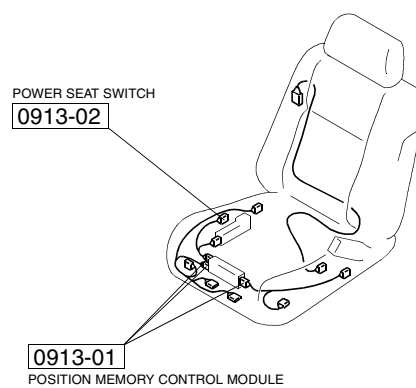
TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0913-02
POWER SEAT SWITCH(SHORT CORD)

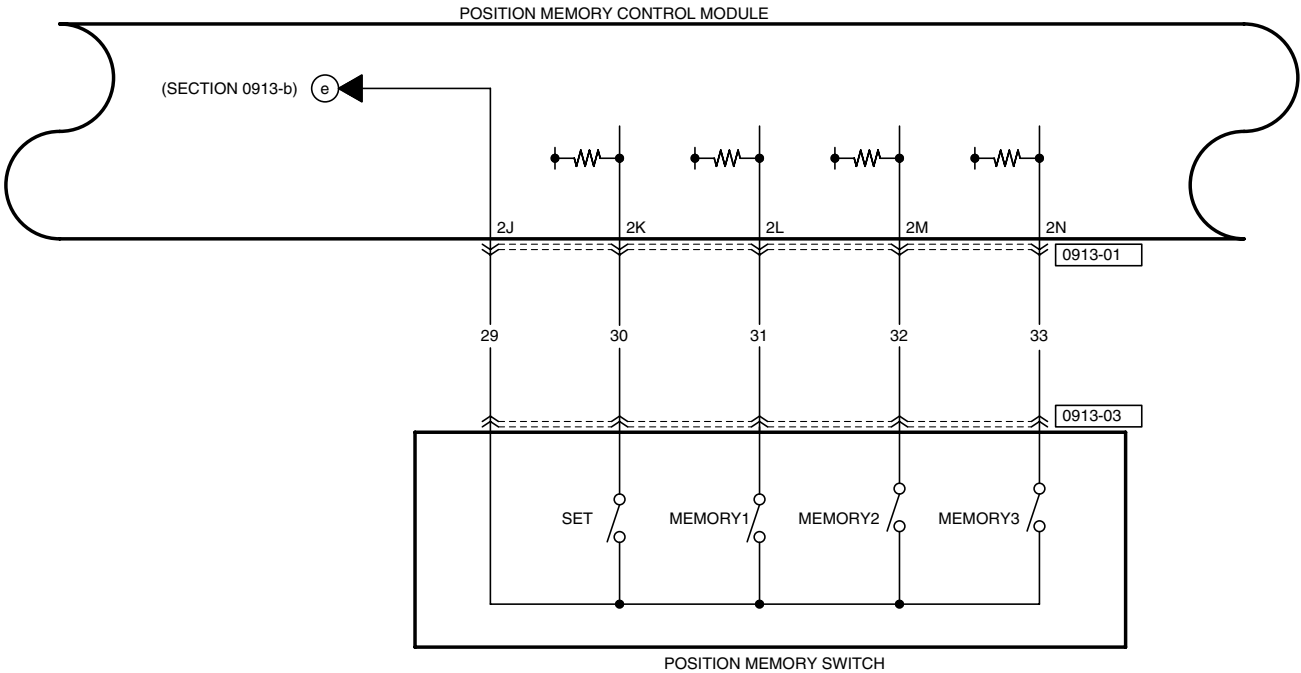
*	*	20	22	23	28
26	25	24	*	21	27

TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

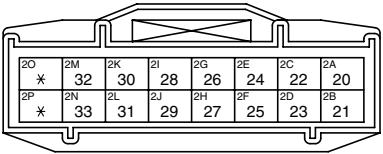
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



※: VACANT

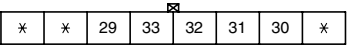


0913-01
POSITION MEMORY CONTROL MODULE(SHORT CORD)



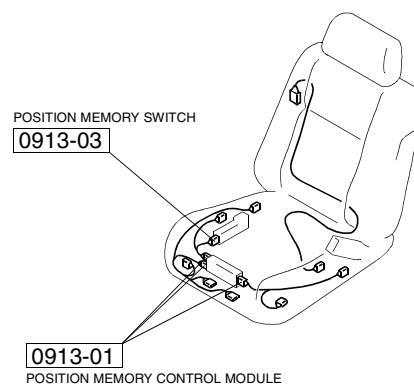
TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0913-03
POSITION MEMORY SWITCH(SHORT CORD)

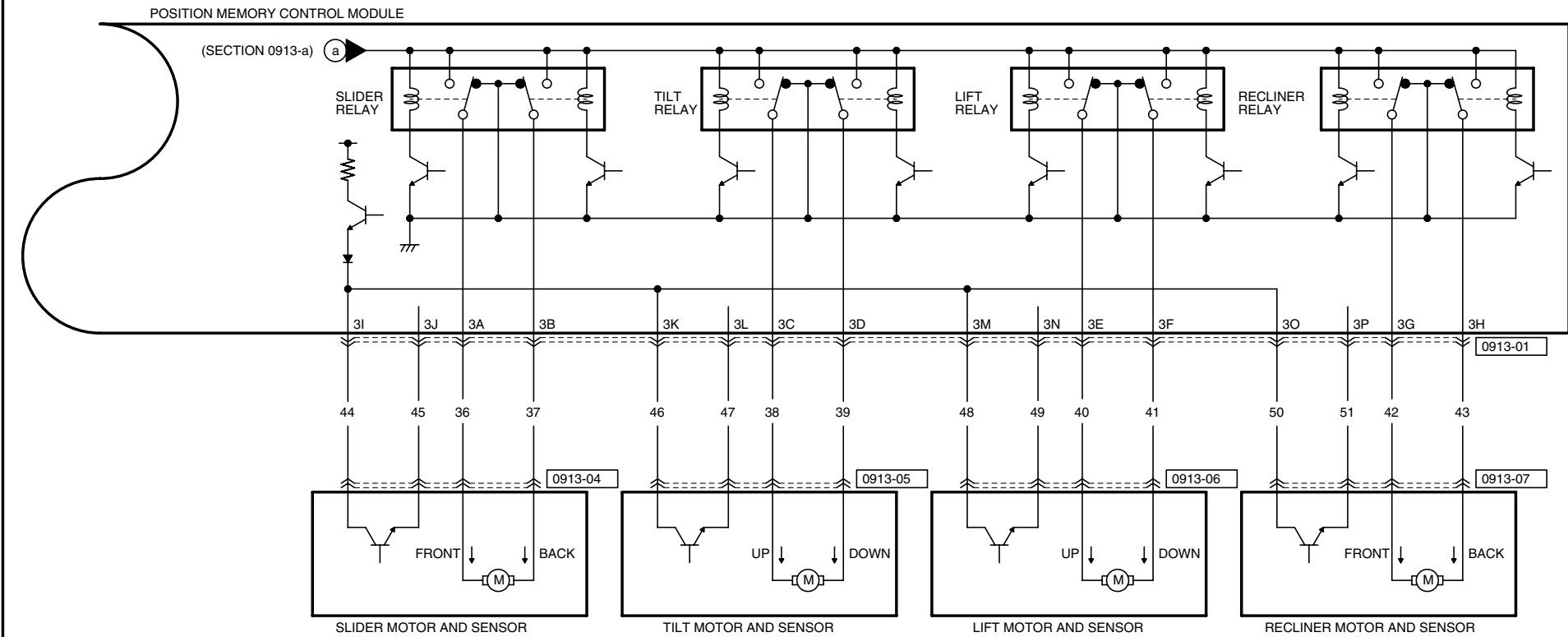


TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

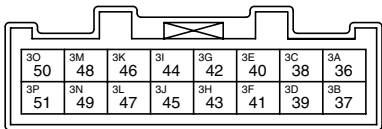
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



※: VACANT



0913-01
POSITION MEMORY CONTROL MODULE(SHORT CORD)



TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0913-04
SLIDER MOTOR AND SENSOR(SHORT CORD)



TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0913-05
TILT MOTOR AND SENSOR(SHORT CORD)



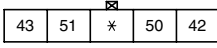
TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0913-06
LIFT MOTOR AND SENSOR(SHORT CORD)



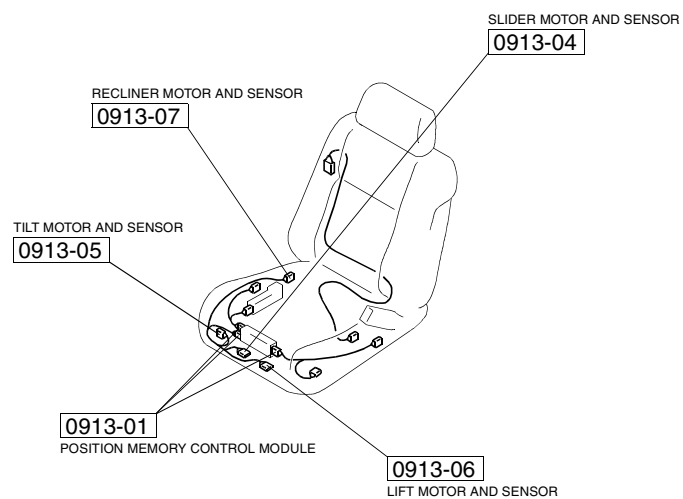
TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0913-07
RECLINER MOTOR AND SENSOR(SHORT CORD)



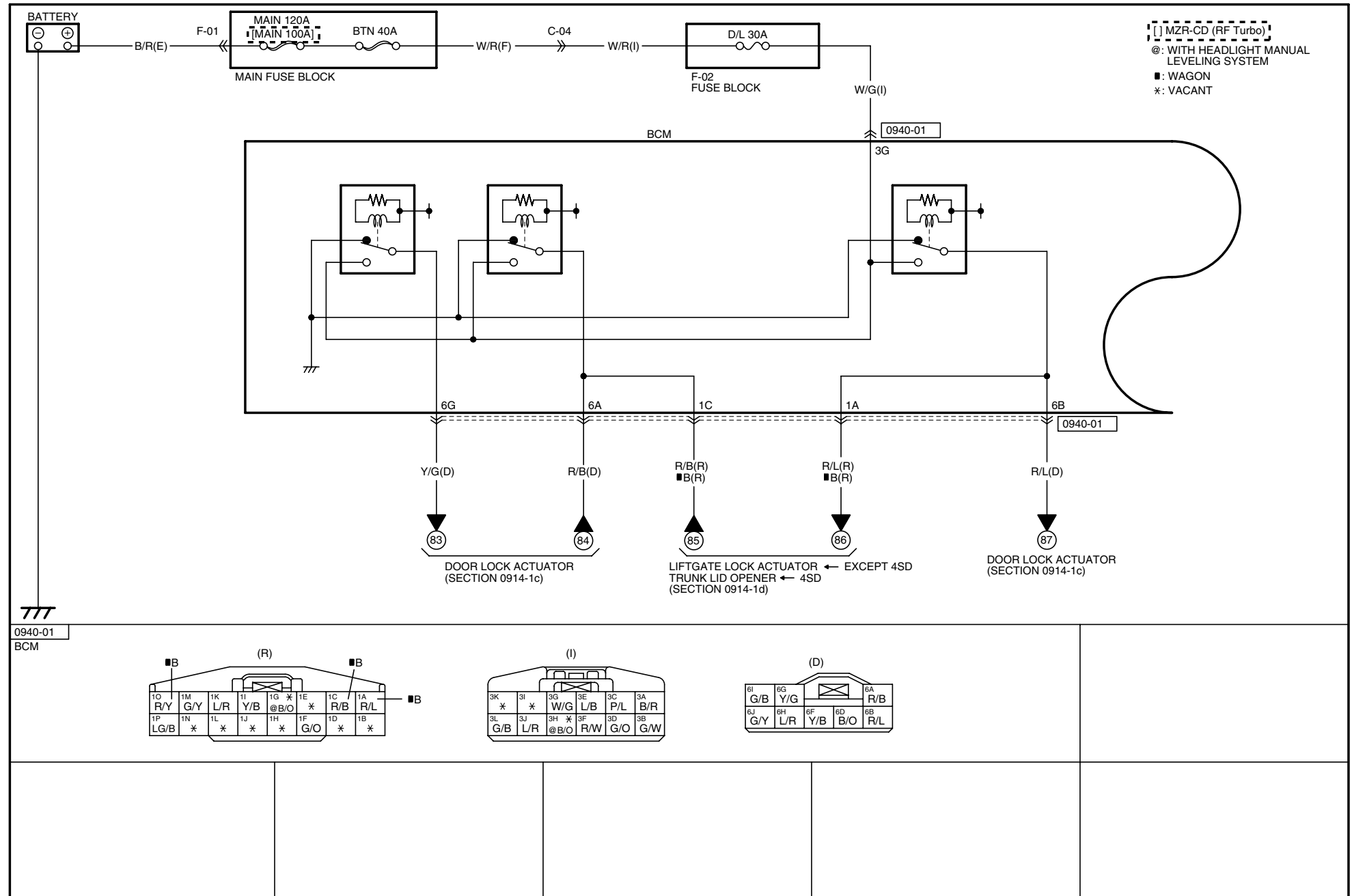
TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

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

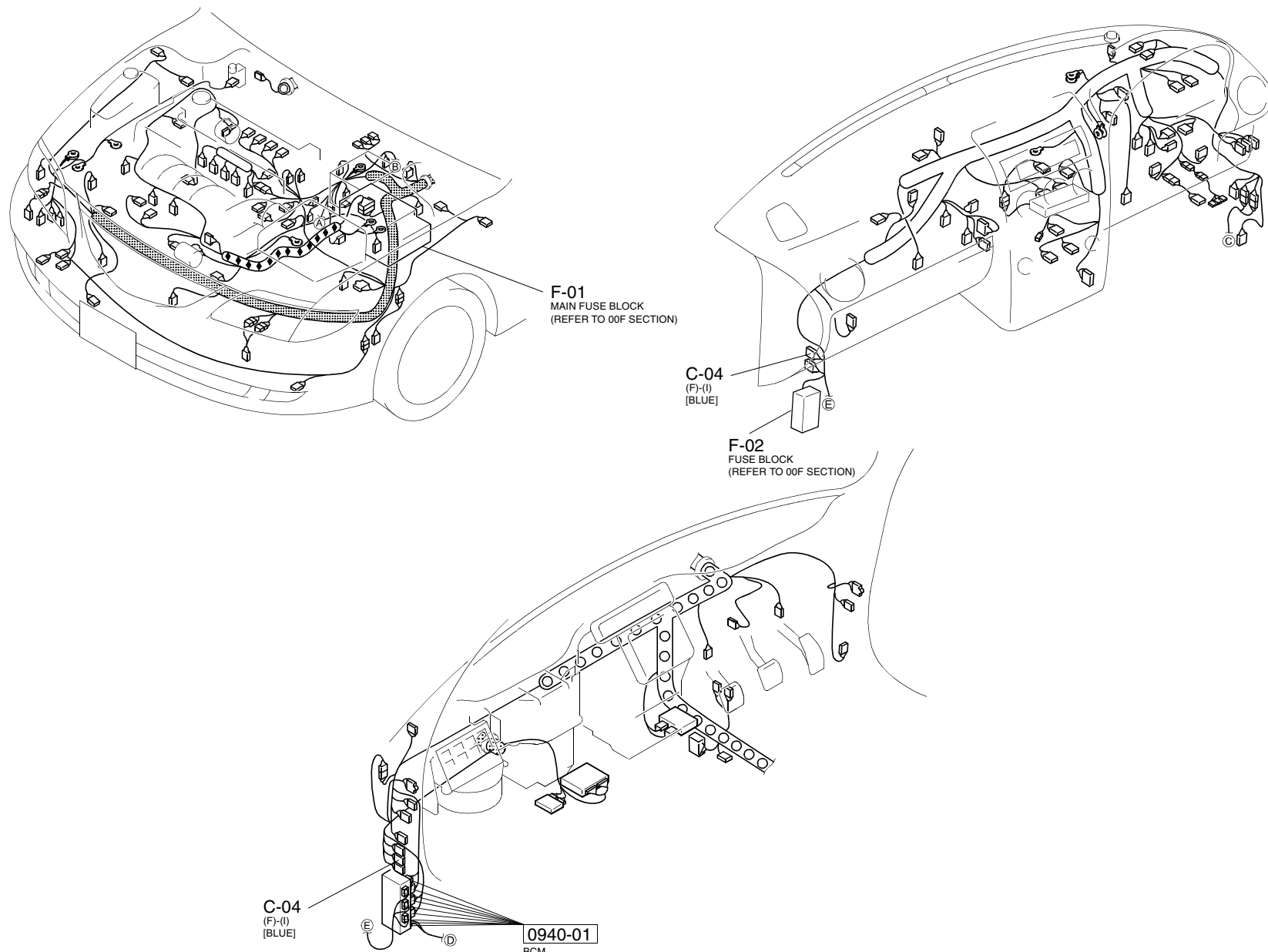


POWER DOOR LOCK SYSTEM (WITH DOUBLE LOCKING SYSTEM)

0914-1a

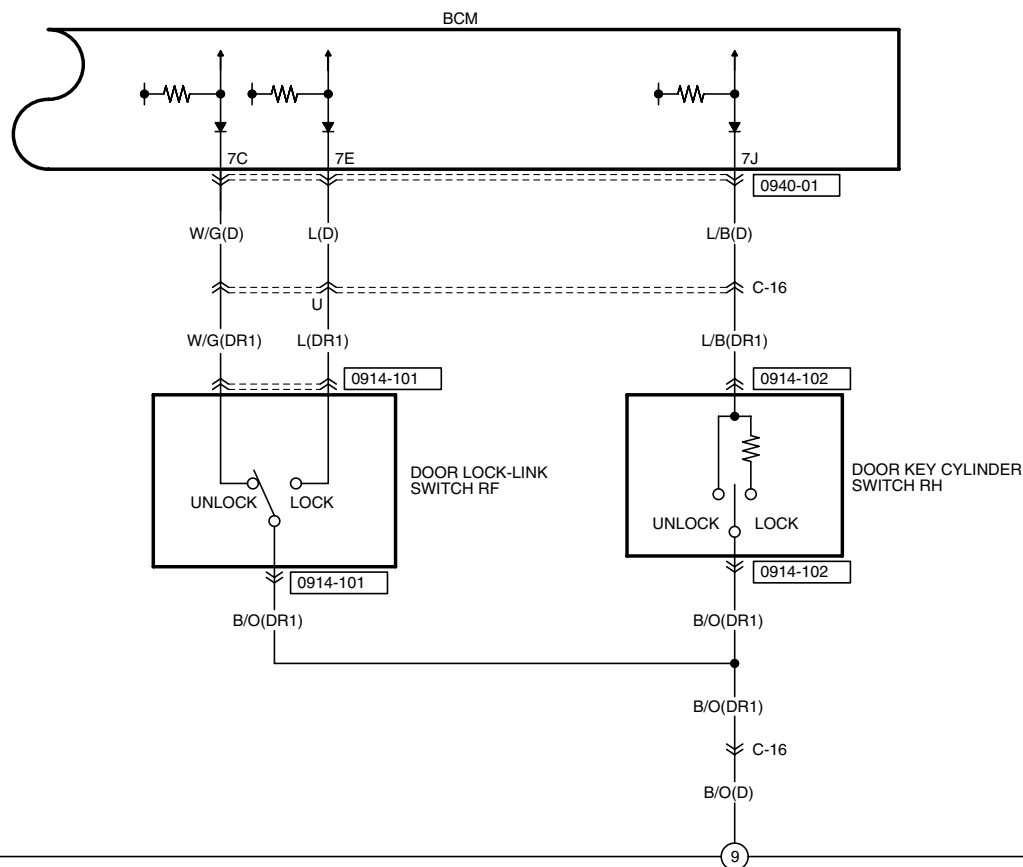


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



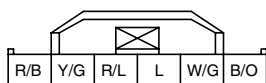
POWER DOOR LOCK SYSTEM (WITH DOUBLE LOCKING SYSTEM)

0914-1b

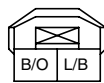


TTT

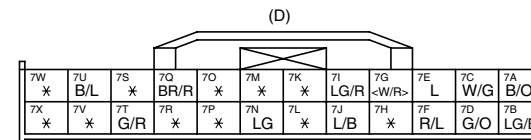
0914-101
DOOR LOCK-LINK SWITCH RF(DR1)



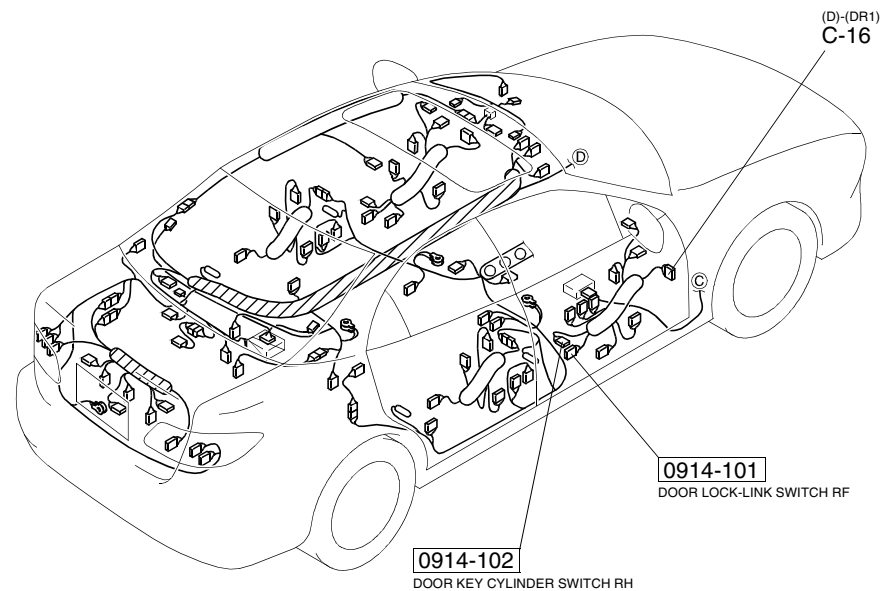
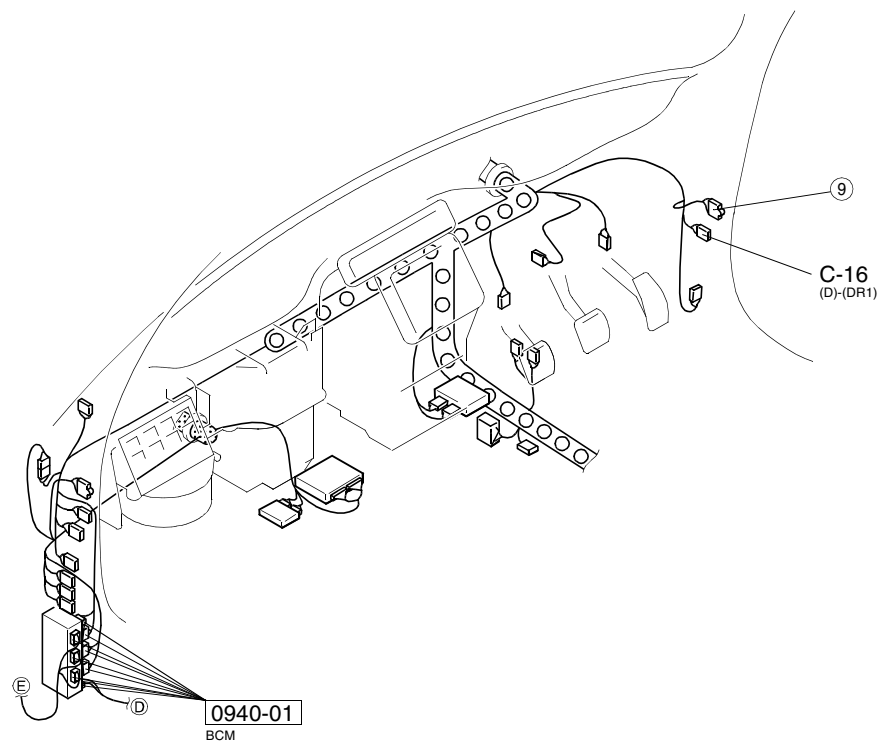
0914-102
DOOR KEY CYLINDER SWITCH RH(DR1)



0940-01
BCM

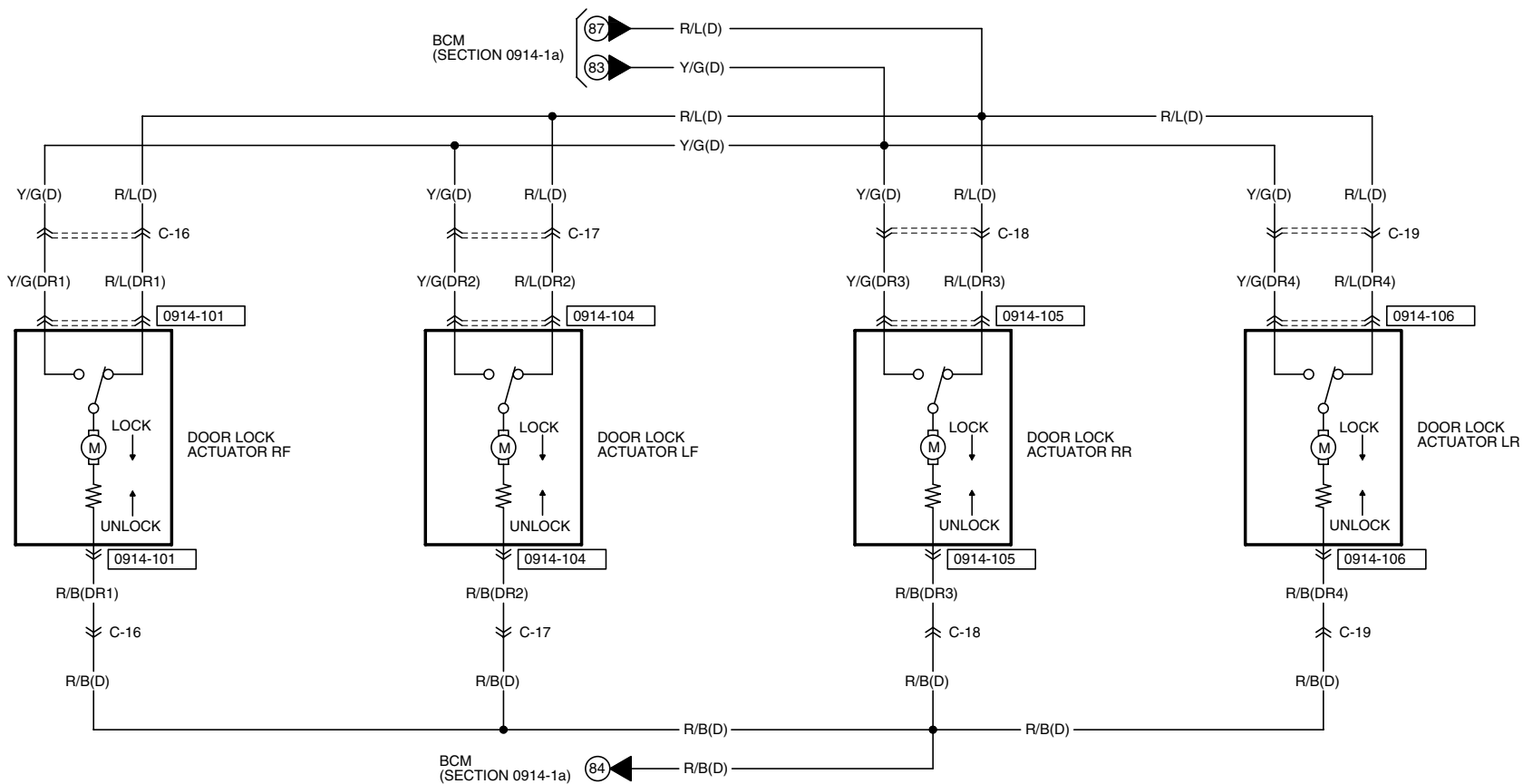


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

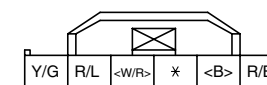
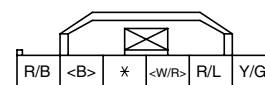
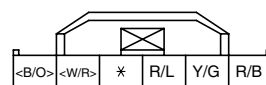
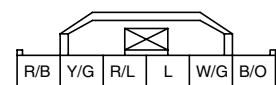


POWER DOOR LOCK SYSTEM (WITH DOUBLE LOCKING SYSTEM)

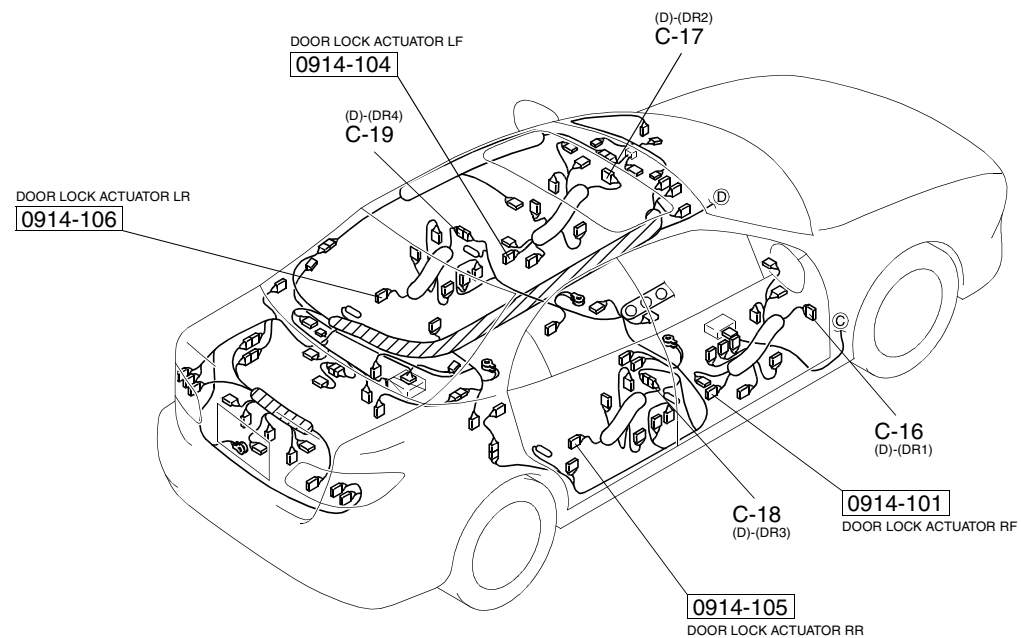
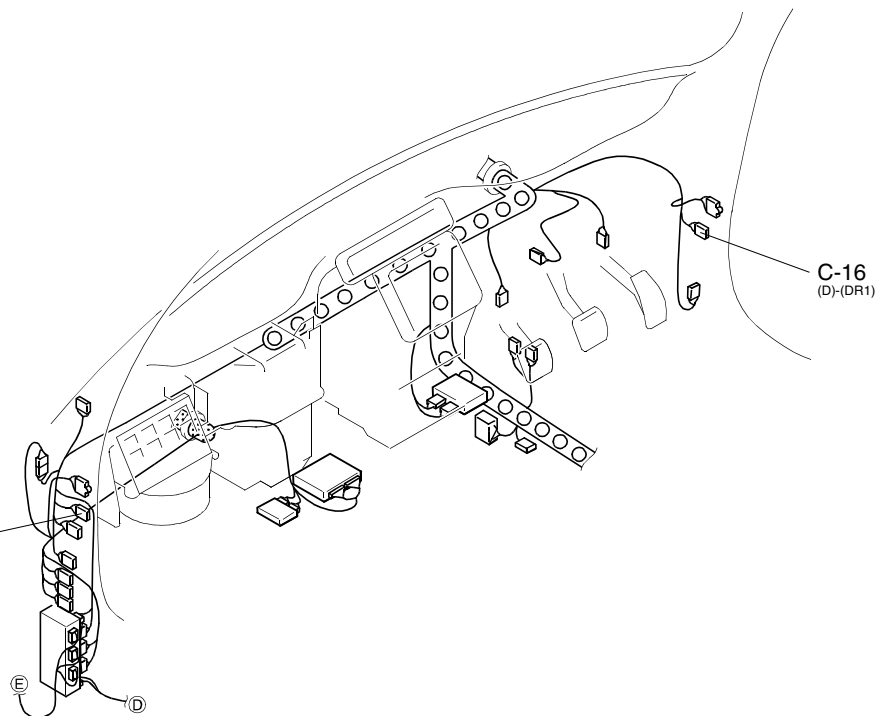
0914-1c



< > NOT USED
*: VACANT



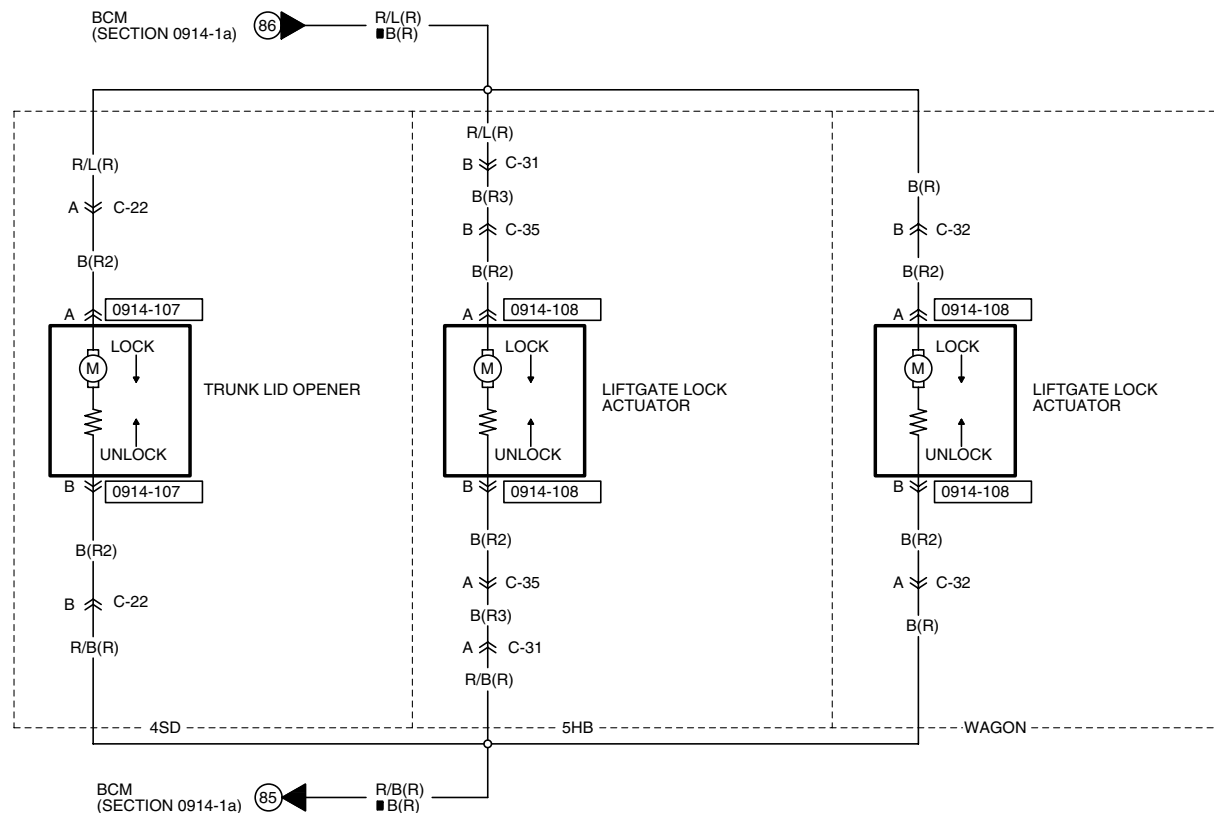
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



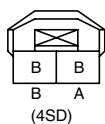
POWER DOOR LOCK SYSTEM (WITH DOUBLE LOCKING SYSTEM)

0914-1d

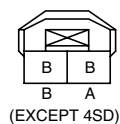
■: WAGON



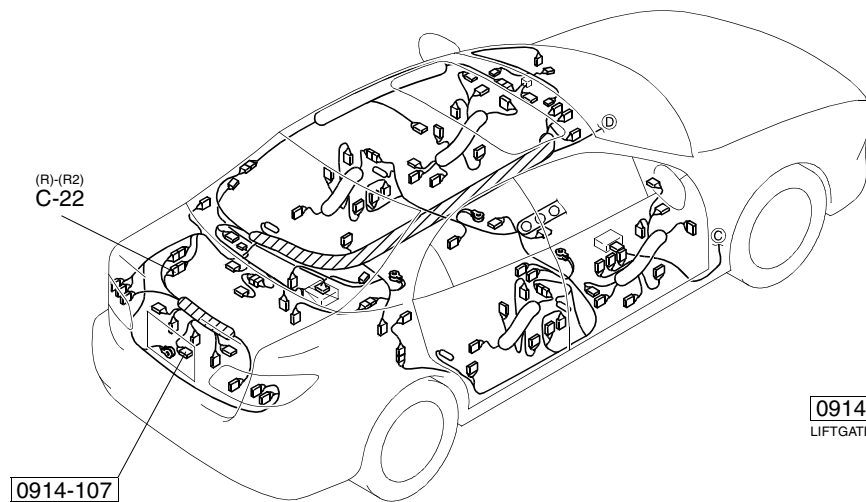
0914-107
TRUNK LID OPENER(R2)



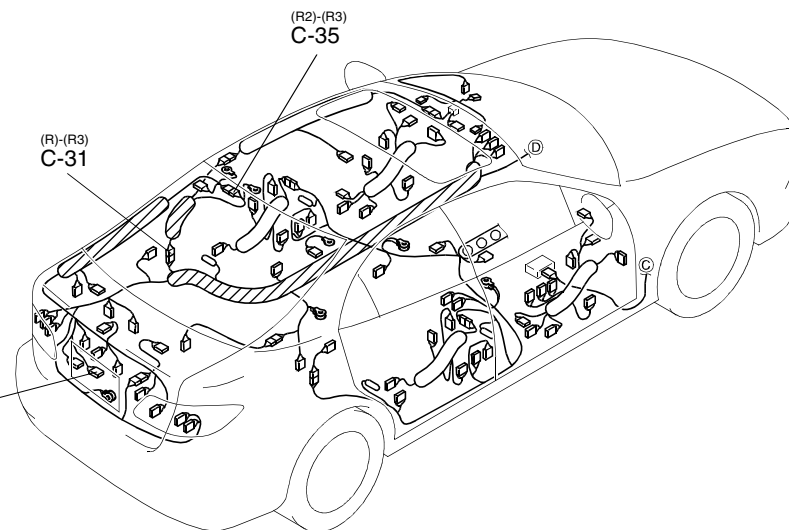
0914-108
LIFTGATE LOCK ACTUATOR(R2)



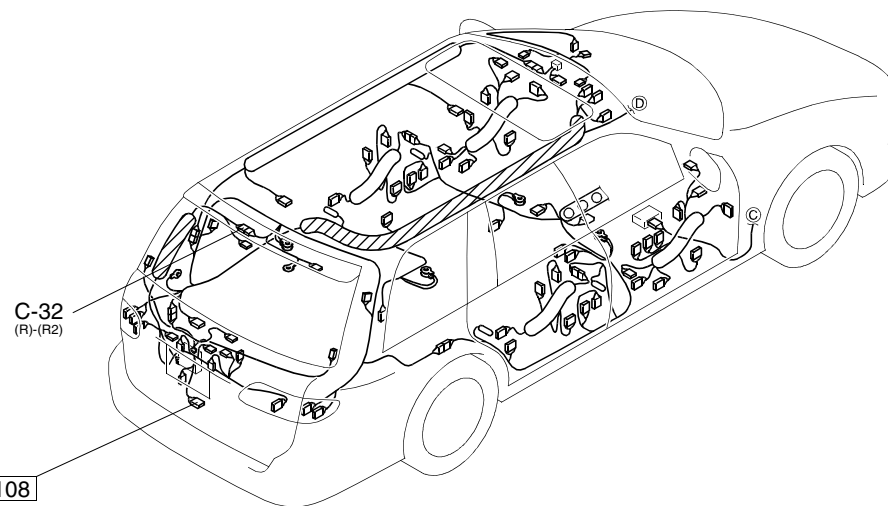
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



[4SD]



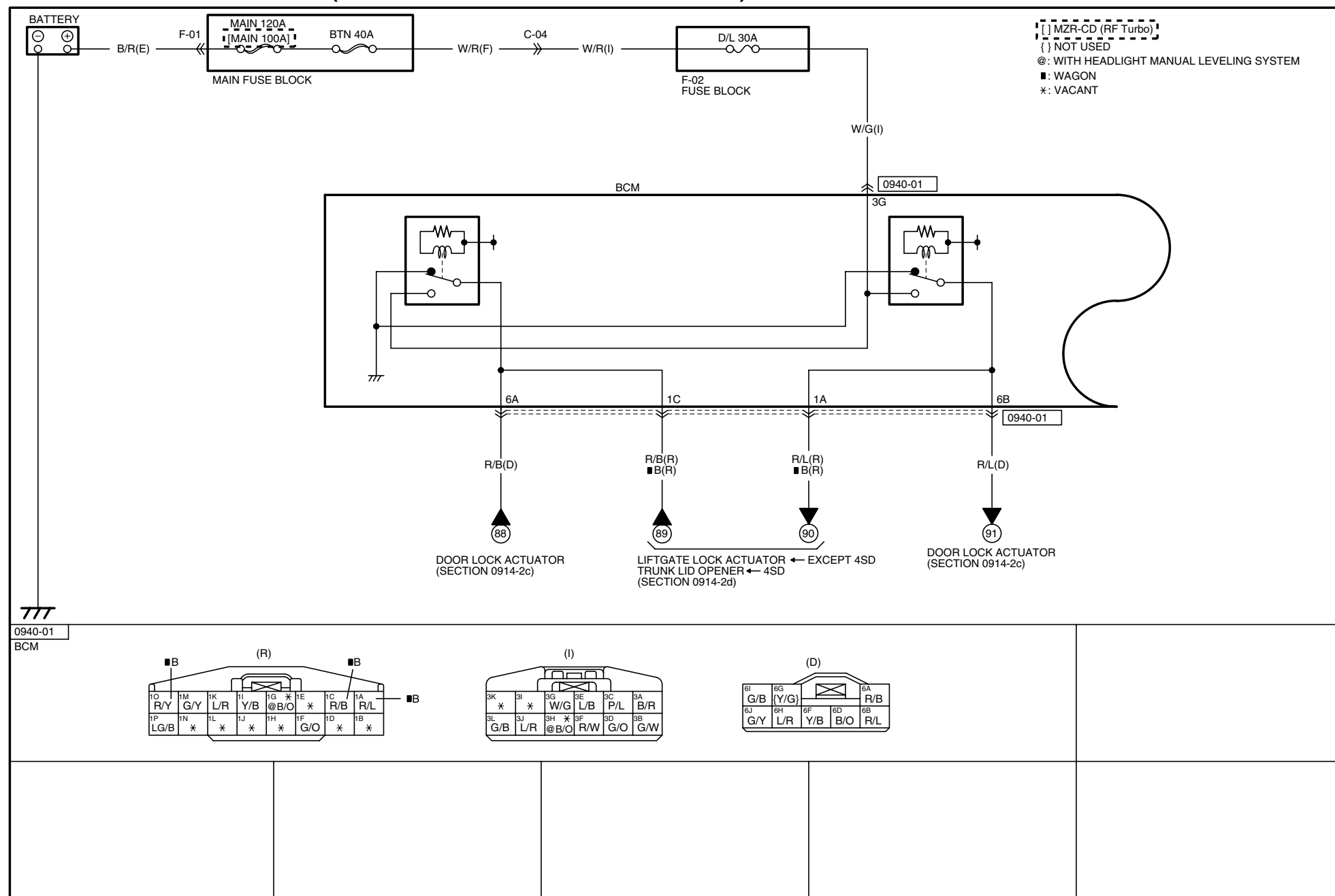
[5HB]



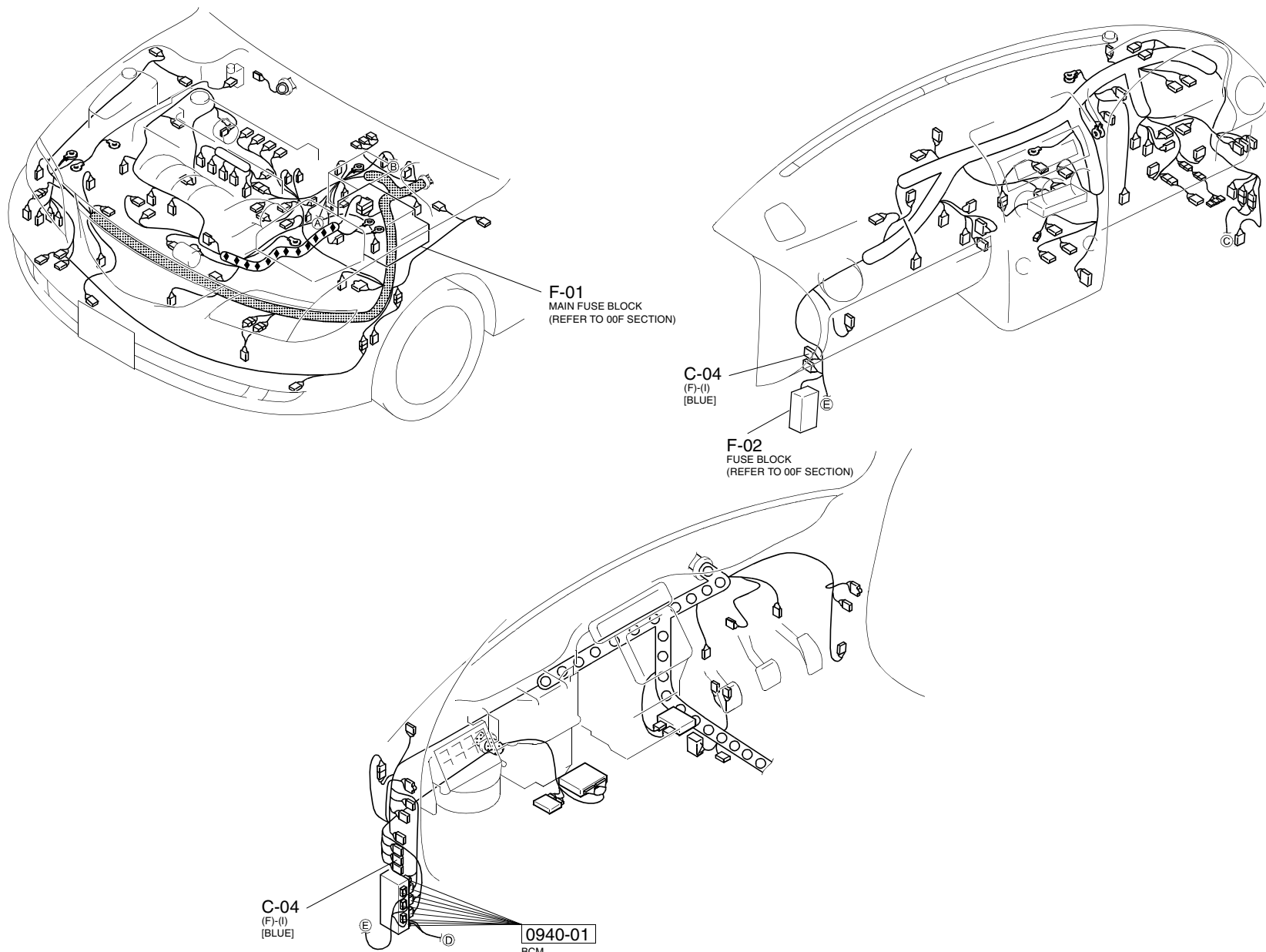
[WAGON]

POWER DOOR LOCK SYSTEM (WITHOUT DOUBLE LOCKING SYSTEM)

0914-2a



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





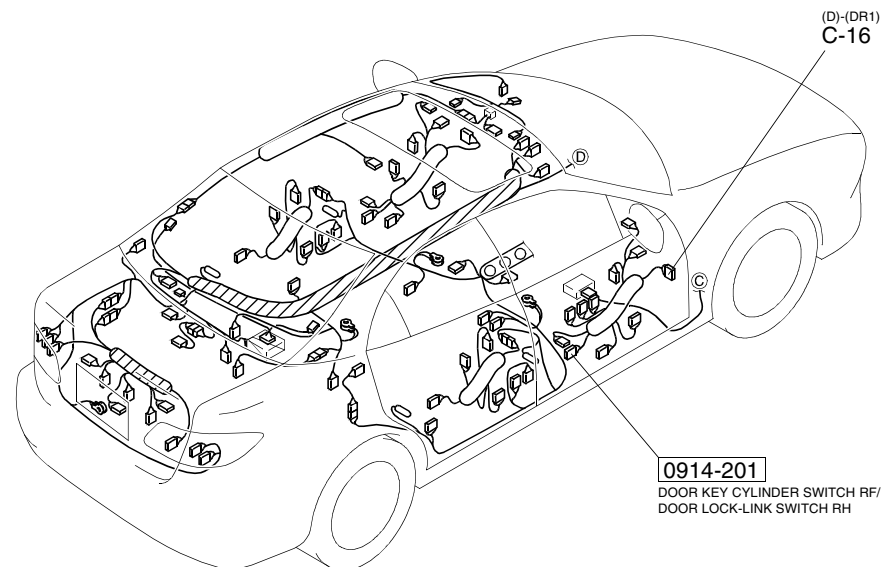
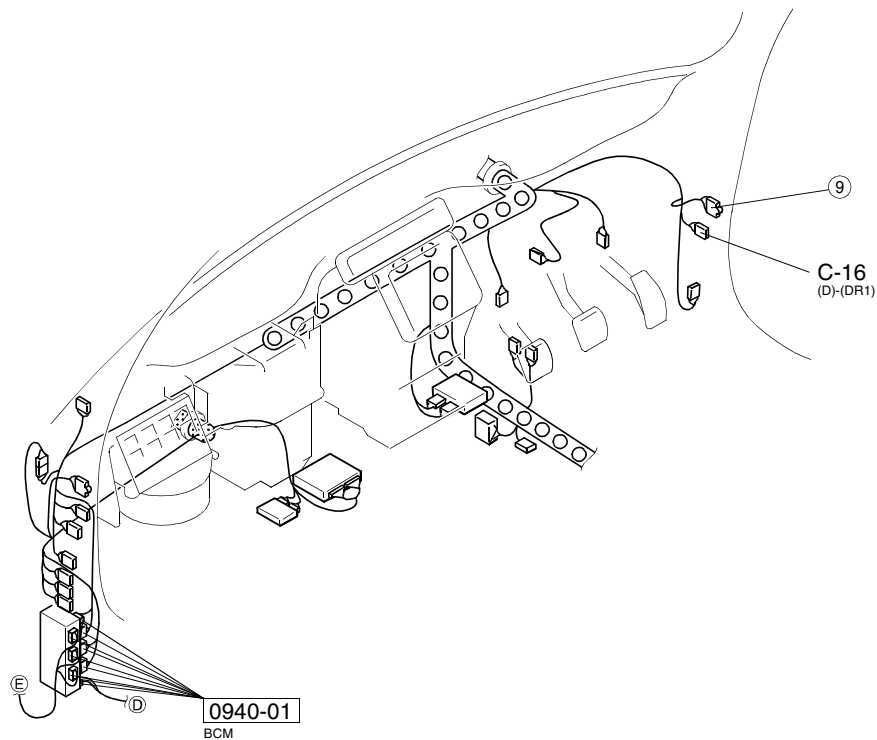
R/L	R/B	L/B	L	W/G	B/O
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(D)

7W	7U	7S	7Q	7O	7M	7K	7I	7G	7E	7C	7A
*	B/L	*	BR/R	*	*	*	LG/R	<W/R>	L	W/G	B/C
7X	7V	7T	7R	7P	7N	7L	7J	7H	7F	7D	7B
*	*	G/R	*	*	LG	*	L/B	*	R/L	G/O	LG/E

--	--	--	--	--	--	--

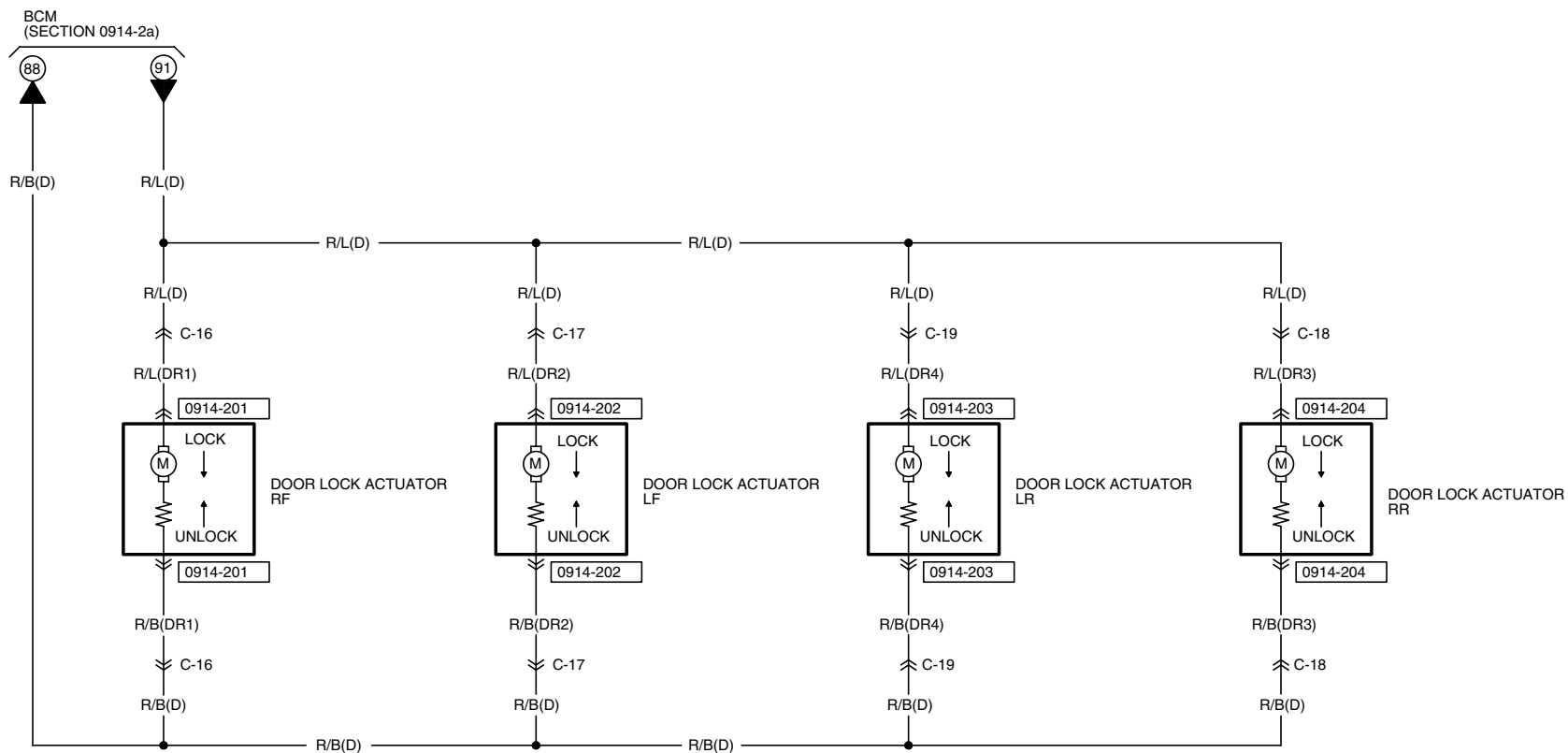
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



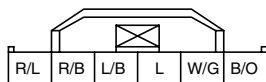
POWER DOOR LOCK SYSTEM (WITHOUT DOUBLE LOCKING SYSTEM)

0914-2c

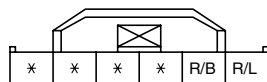
※: VACANT



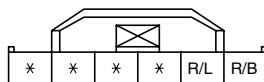
0914-201
DOOR LOCK ACTUATOR RF(DR1)



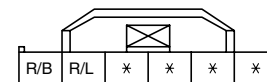
0914-202
DOOR LOCK ACTUATOR LF(DR2)



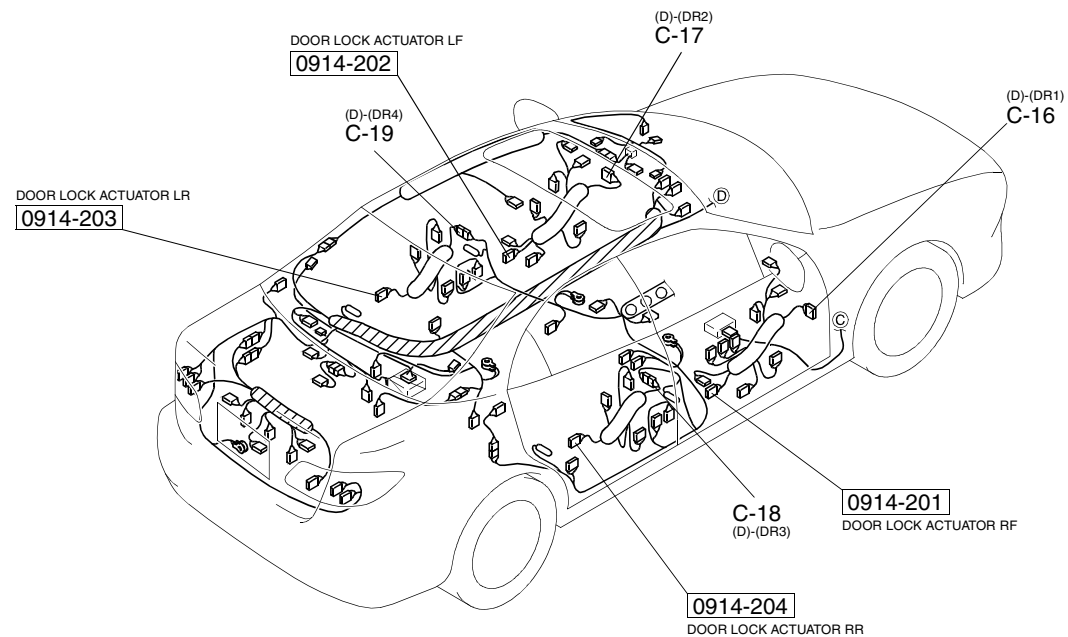
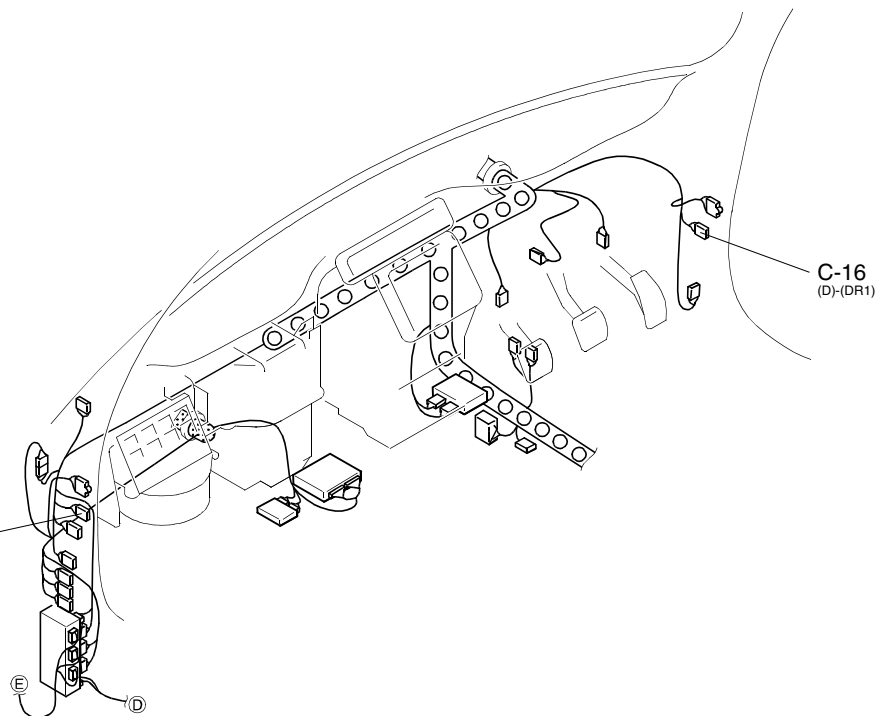
0914-203
DOOR LOCK ACTUATOR LR(DR4)



0914-204
DOOR LOCK ACTUATOR RR(DR3)



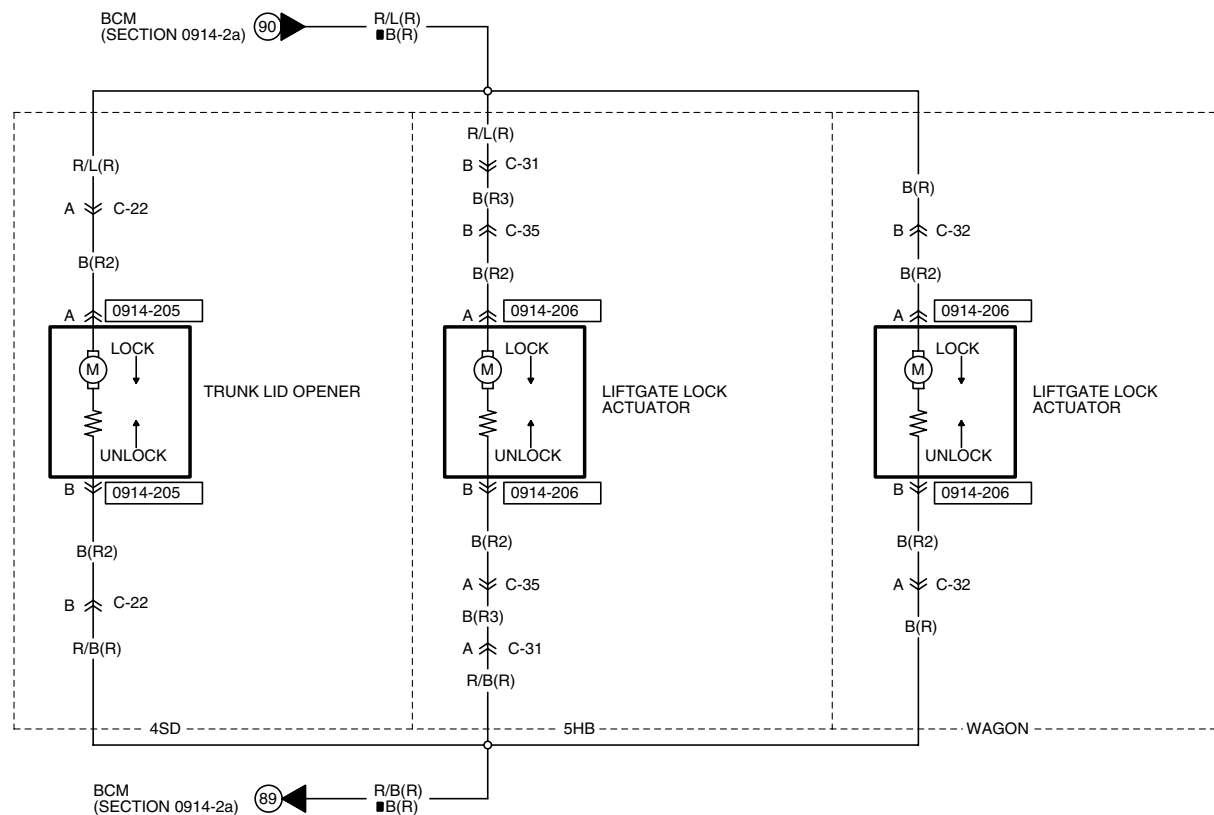
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



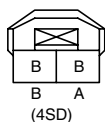
POWER DOOR LOCK SYSTEM (WITHOUT DOUBLE LOCKING SYSTEM)

0914-2d

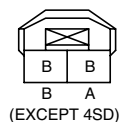
■: WAGON



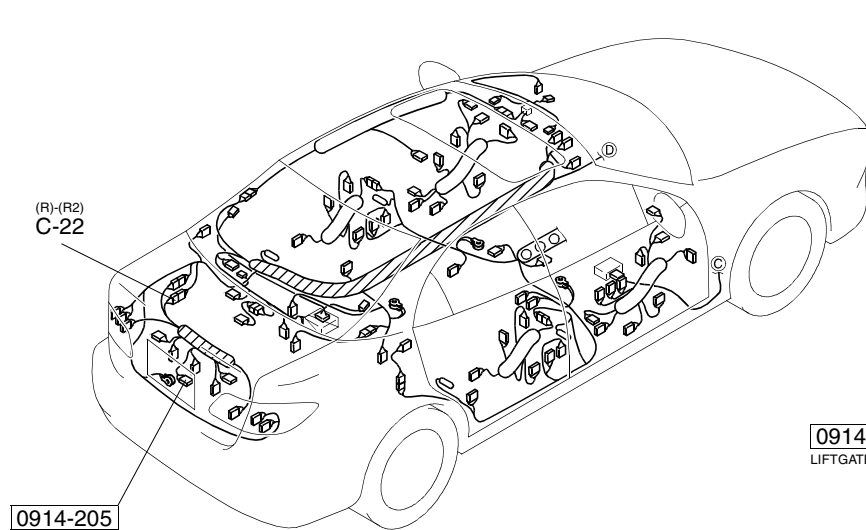
0914-205
TRUNK LID OPENER(R2)



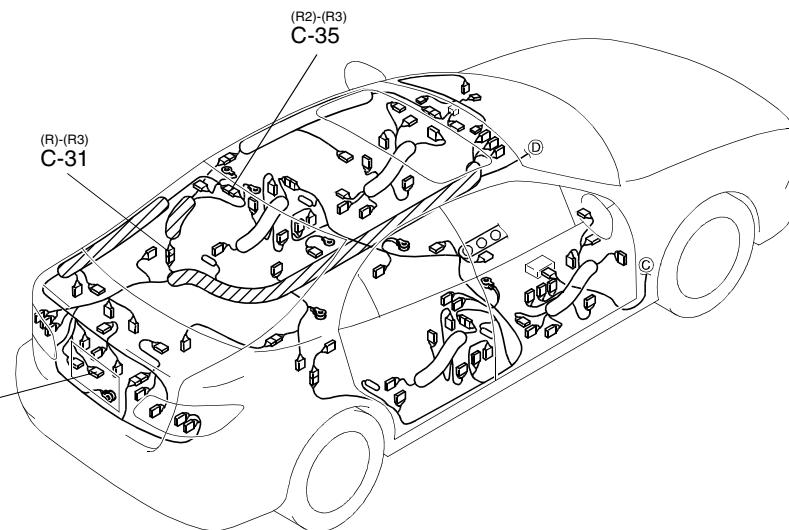
0914-206
LIFTGATE LOCK ACTUATOR(R2)



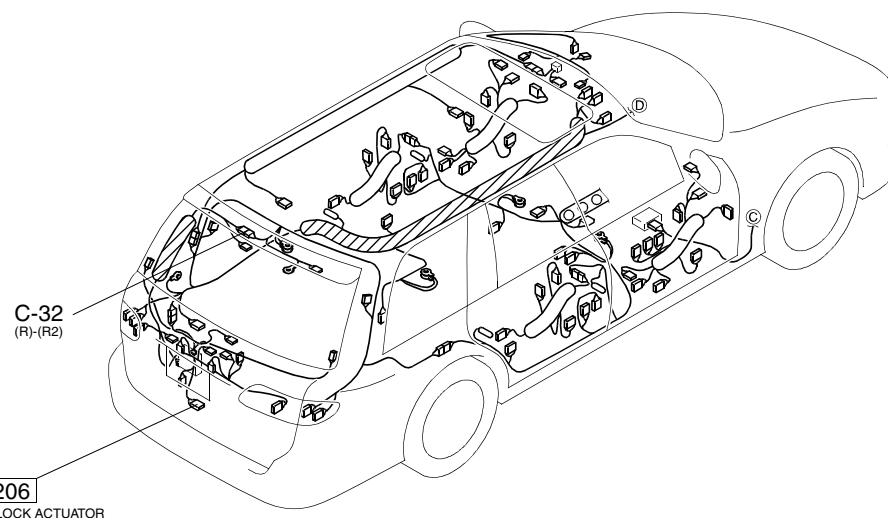
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



[4SD]

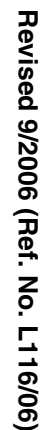


[5HB]

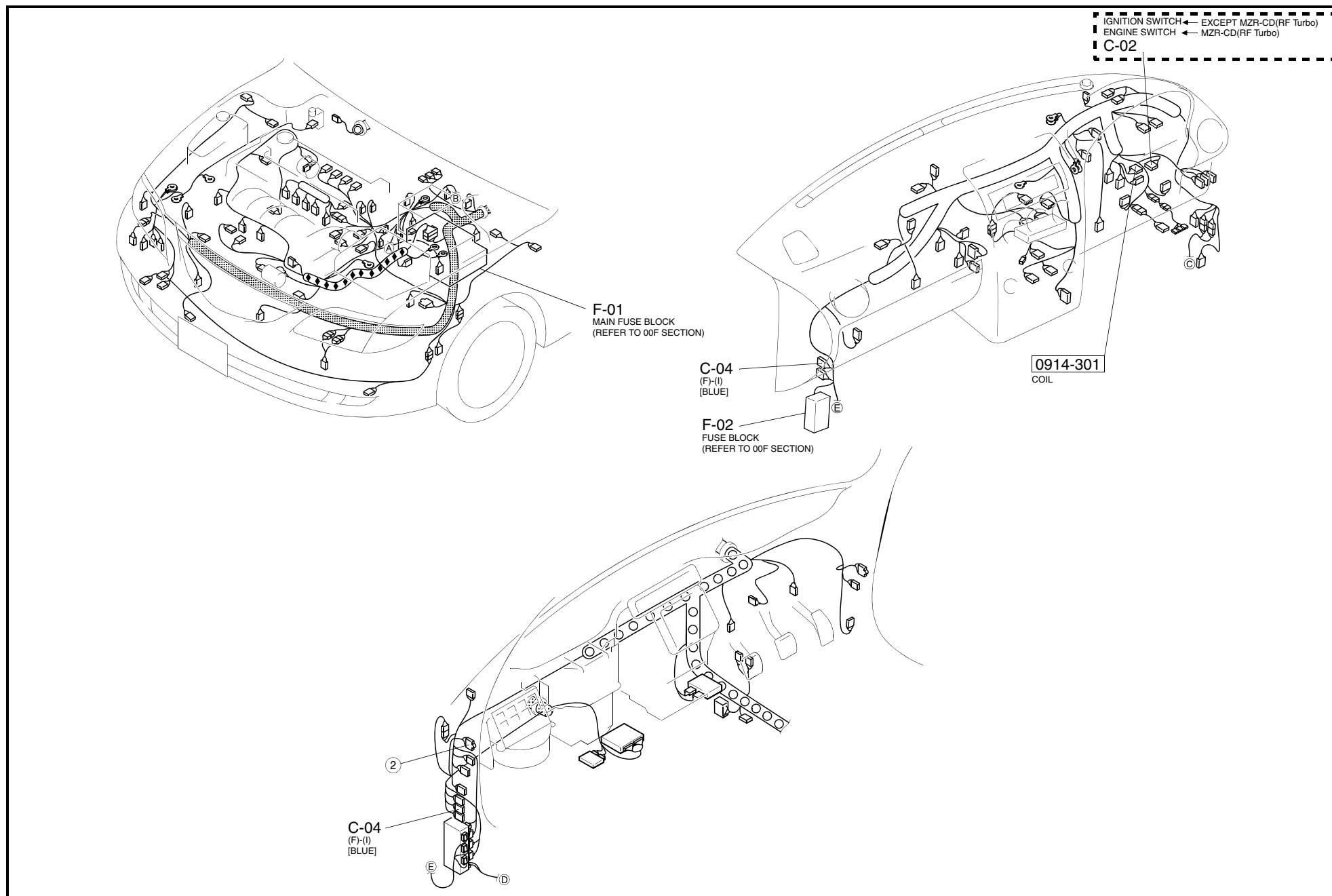


[WAGON]

142

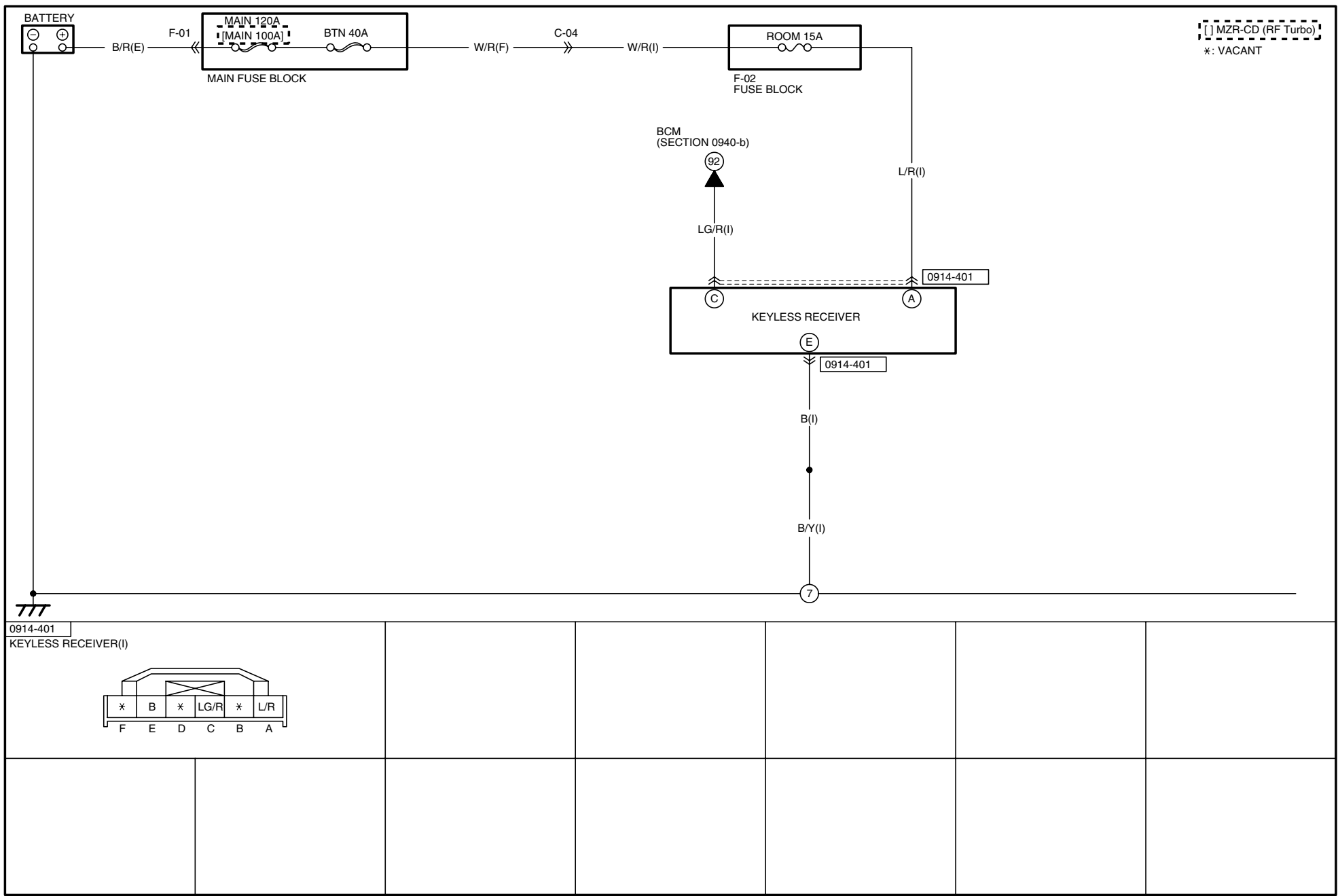


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



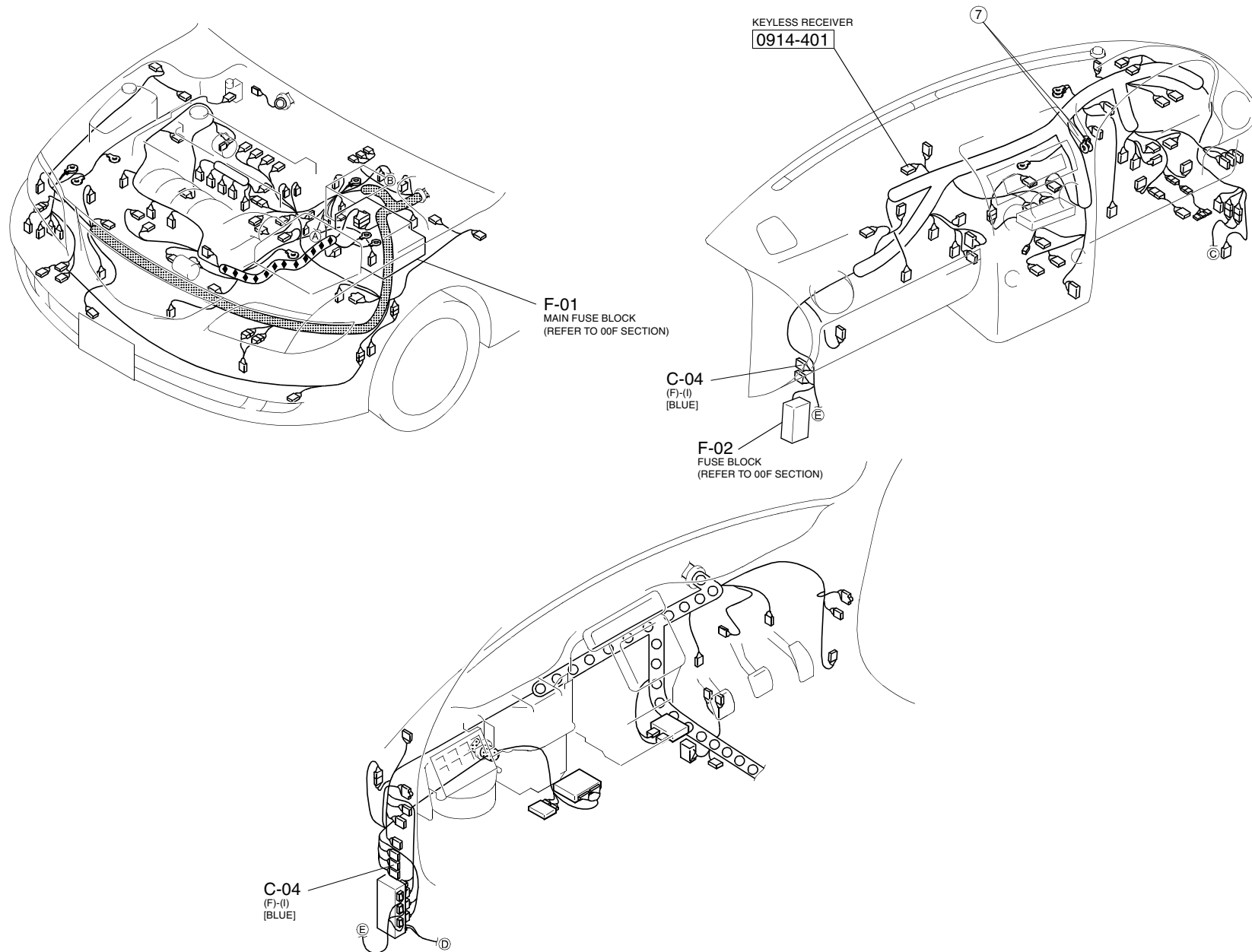
KEYLESS ENTRY SYSTEM

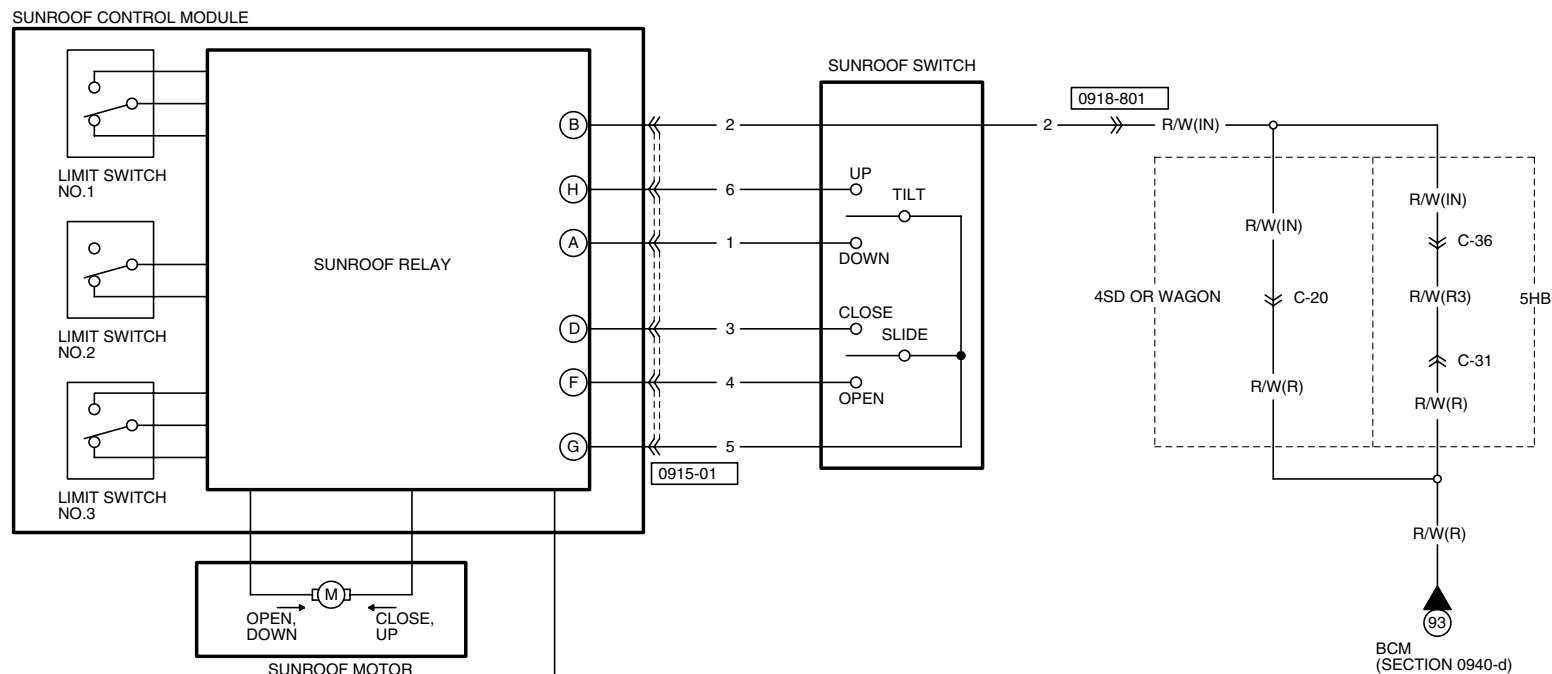
0914-4



Mazda6 Wiring Diagram (5645-1*-05F)

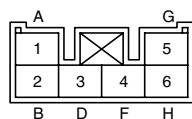
HARNESS SYMBOL :  (F)  (E)  (D)  (R)





TTT

0915-01
SUNROOF CONTROL MODULE(SHORT CORD)



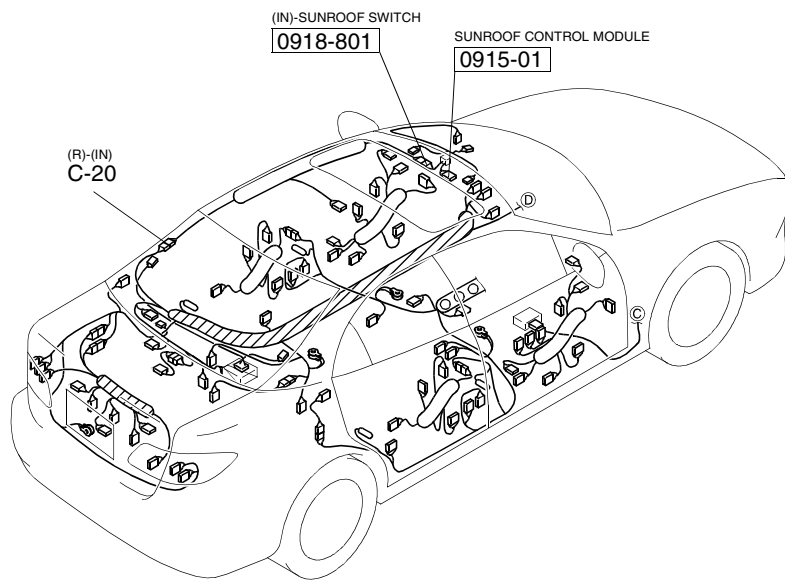
TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0918-801
INTERIOR LIGHT(IN)-SUNROOF SWITCH

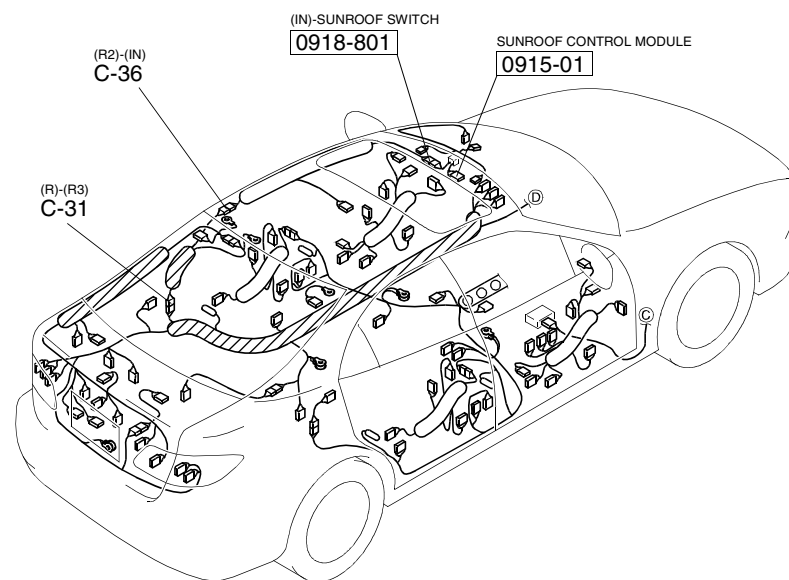


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

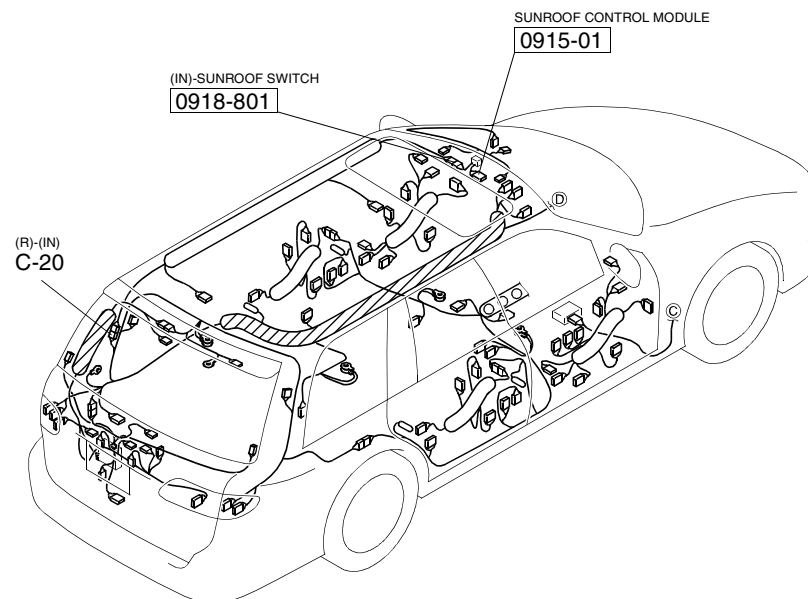
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



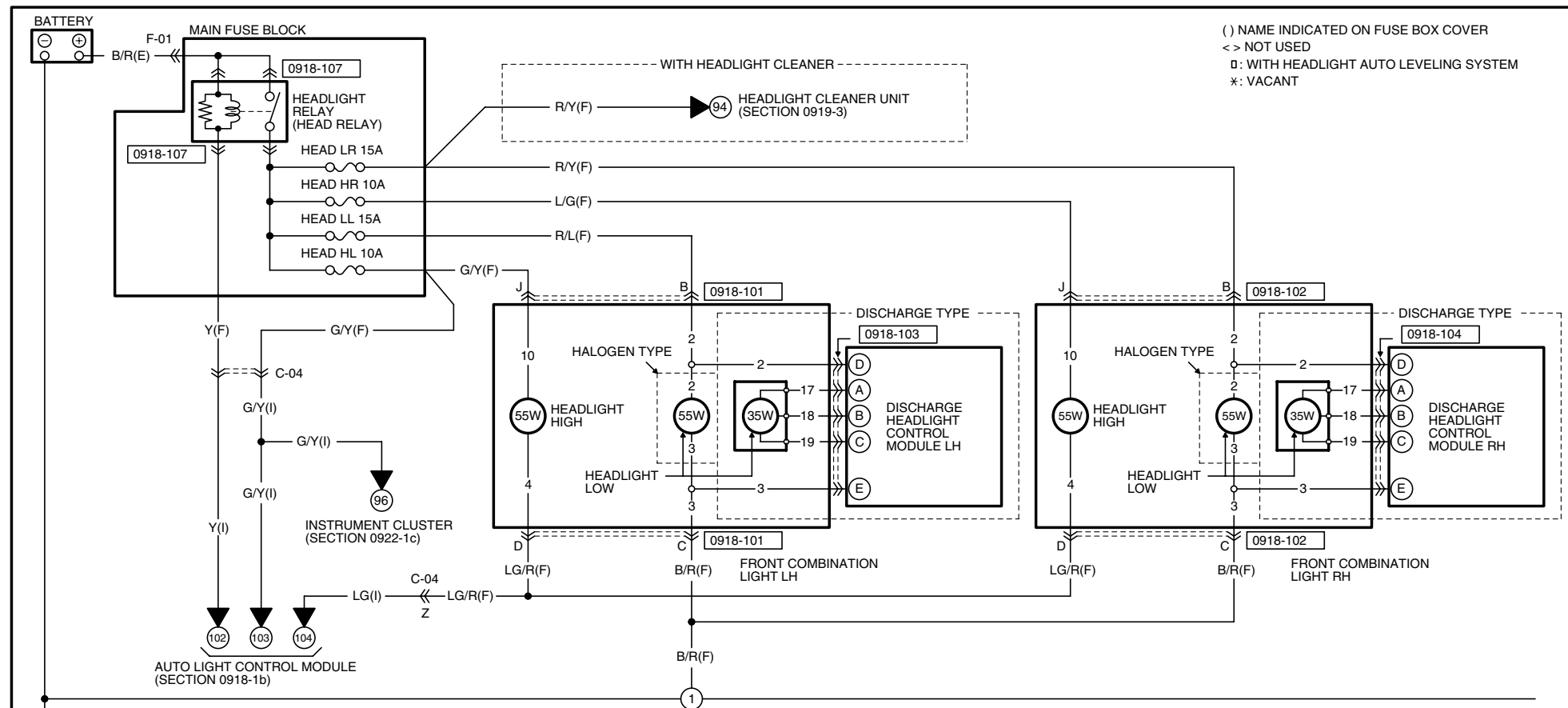
[4SD]



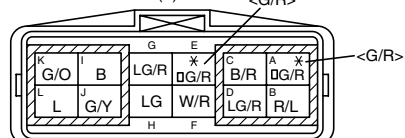
[5HB]



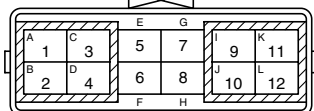
[WAGON]



0918-101
FRONT(F)-FRONT COMBINATION LIGHT LH (F)

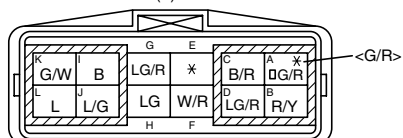


(FRONT COMBINATION LIGHT LH)

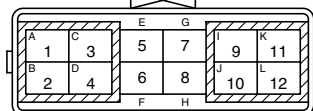


TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0918-102
FRONT(F)-FRONT COMBINATION LIGHT RH (F)

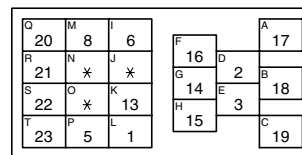


(FRONT COMBINATION LIGHT RH)



TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

0918-103
DISCHARGE HEADLIGHT CONTROL MODULE LH (FRONT COMBINATION LIGHT LH)

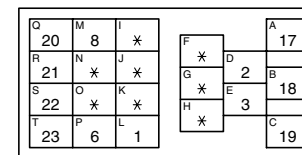


NOTE: SEEN FROM TERMINAL SIDE

TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

(DISCHARGE TYPE)

0918-104
DISCHARGE HEADLIGHT CONTROL MODULE RH (FRONT COMBINATION LIGHT RH)

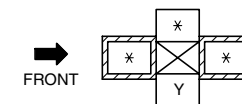


NOTE: SEEN FROM TERMINAL SIDE

TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

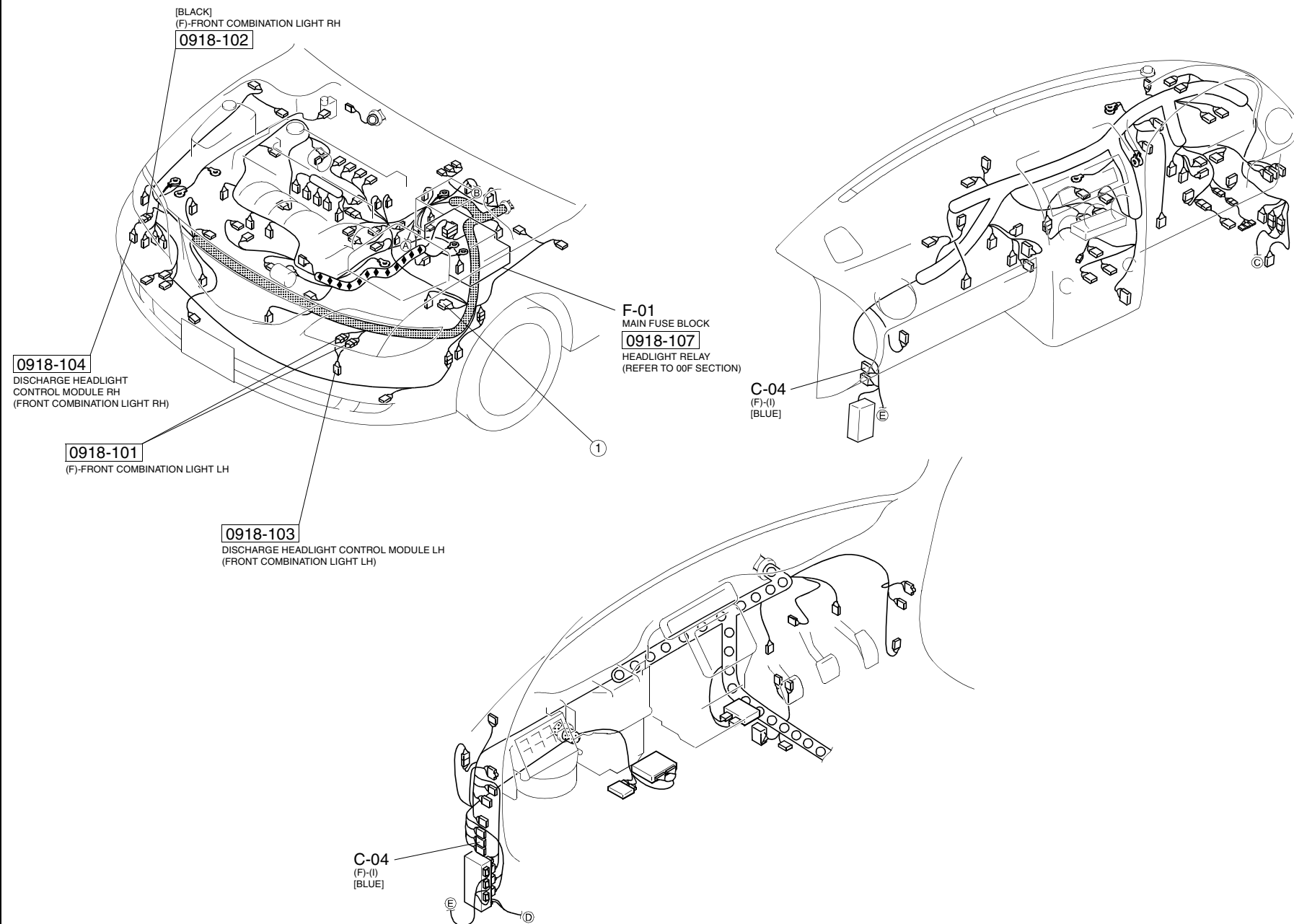
(DISCHARGE TYPE)

0918-107
HEADLIGHT RELAY(F)



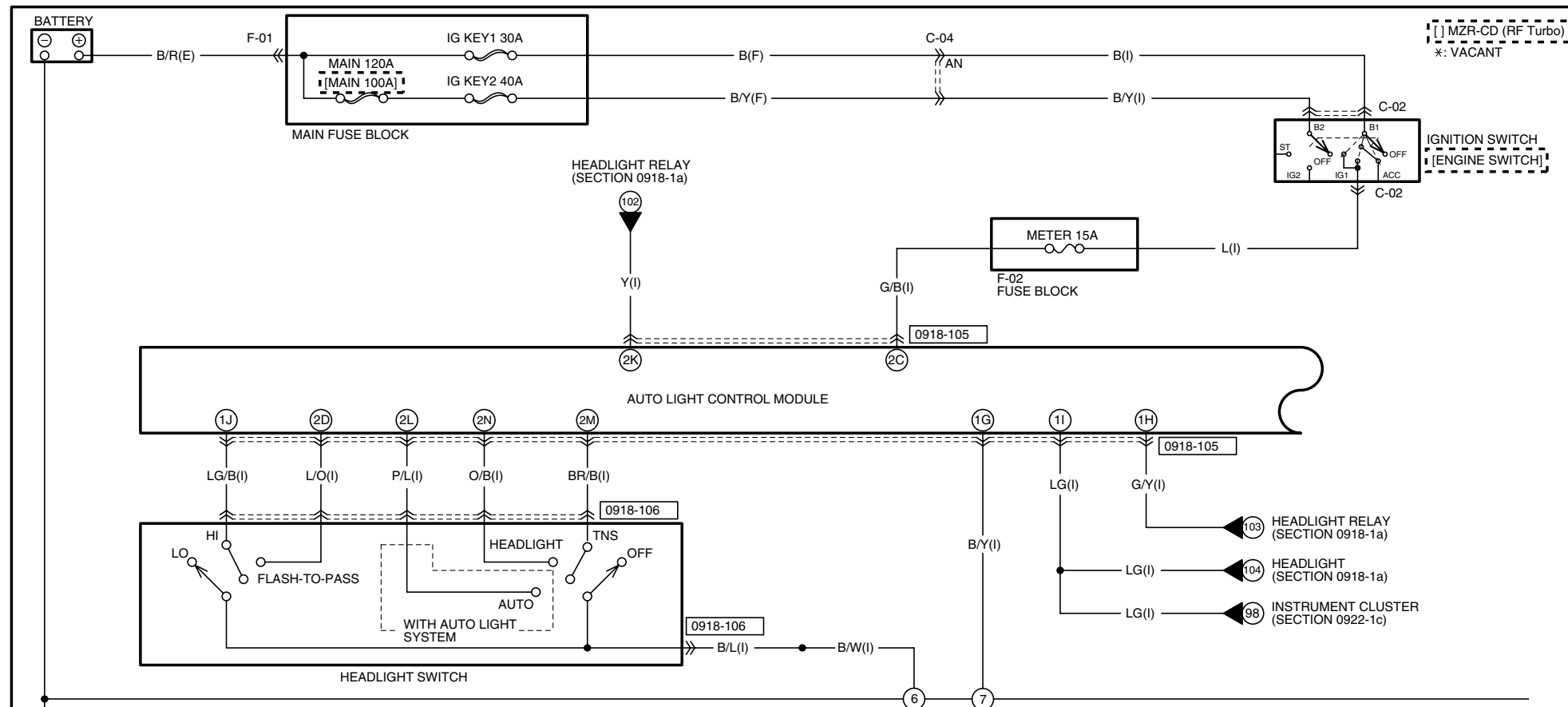
NOTE: SEEN FROM TERMINAL SIDE

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



HEADLIGHT

0918-1b

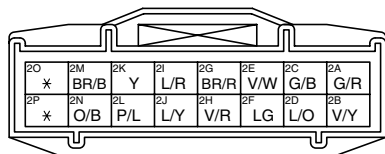
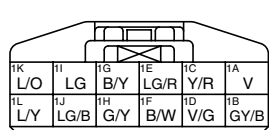


150

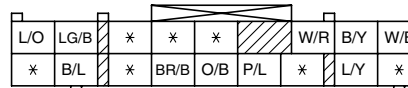
Revised 9/2006 (Ref. No. L116/06)

Mazda6 Wiring Diagram (5645-1*-05F)

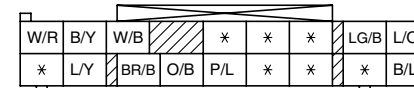
0918-105
AUTO LIGHT CONTROL MODULE(I)



0918-106
HEADLIGHT SWITCH(I)

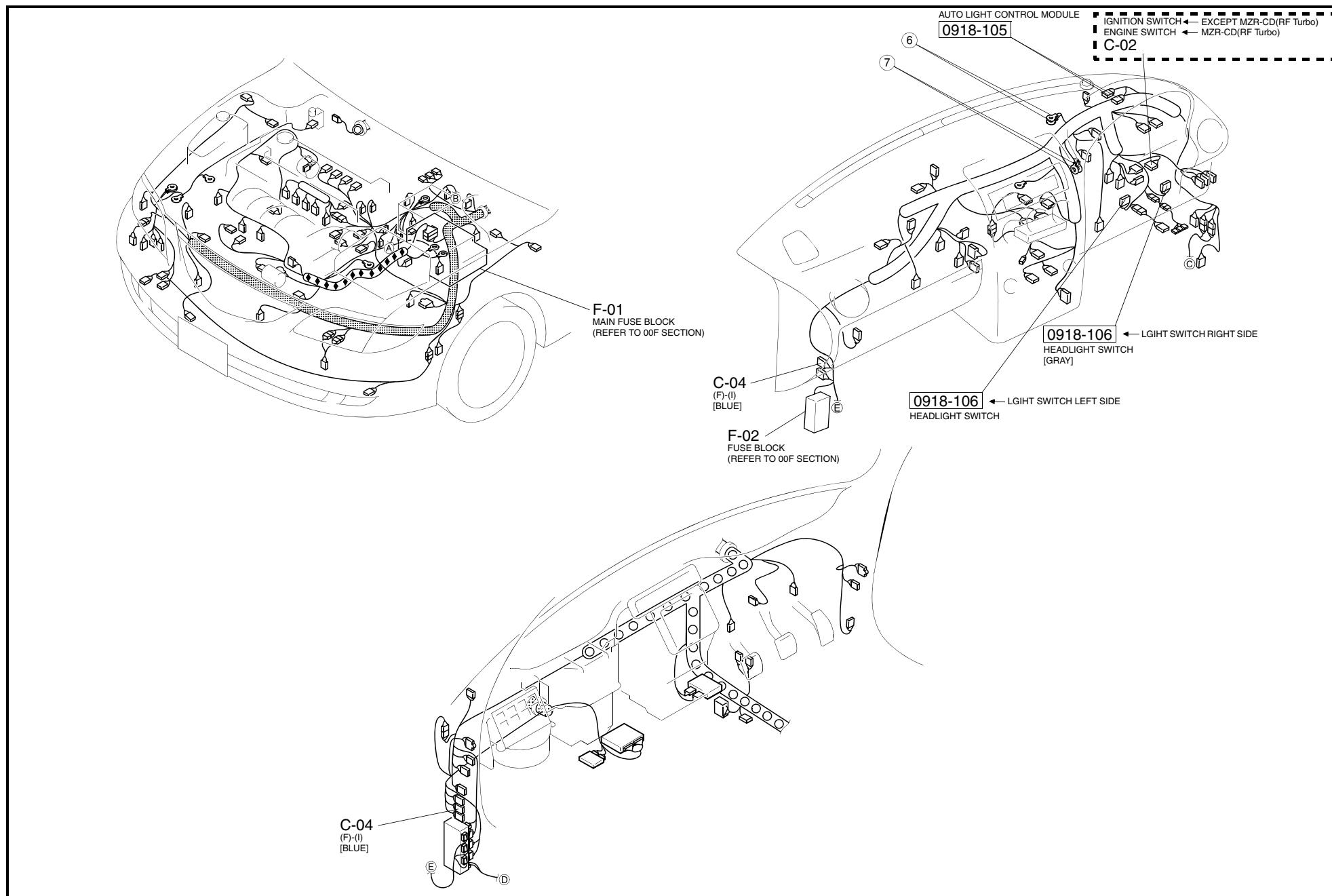


(LIGHT SWITCH LEFT SIDE)

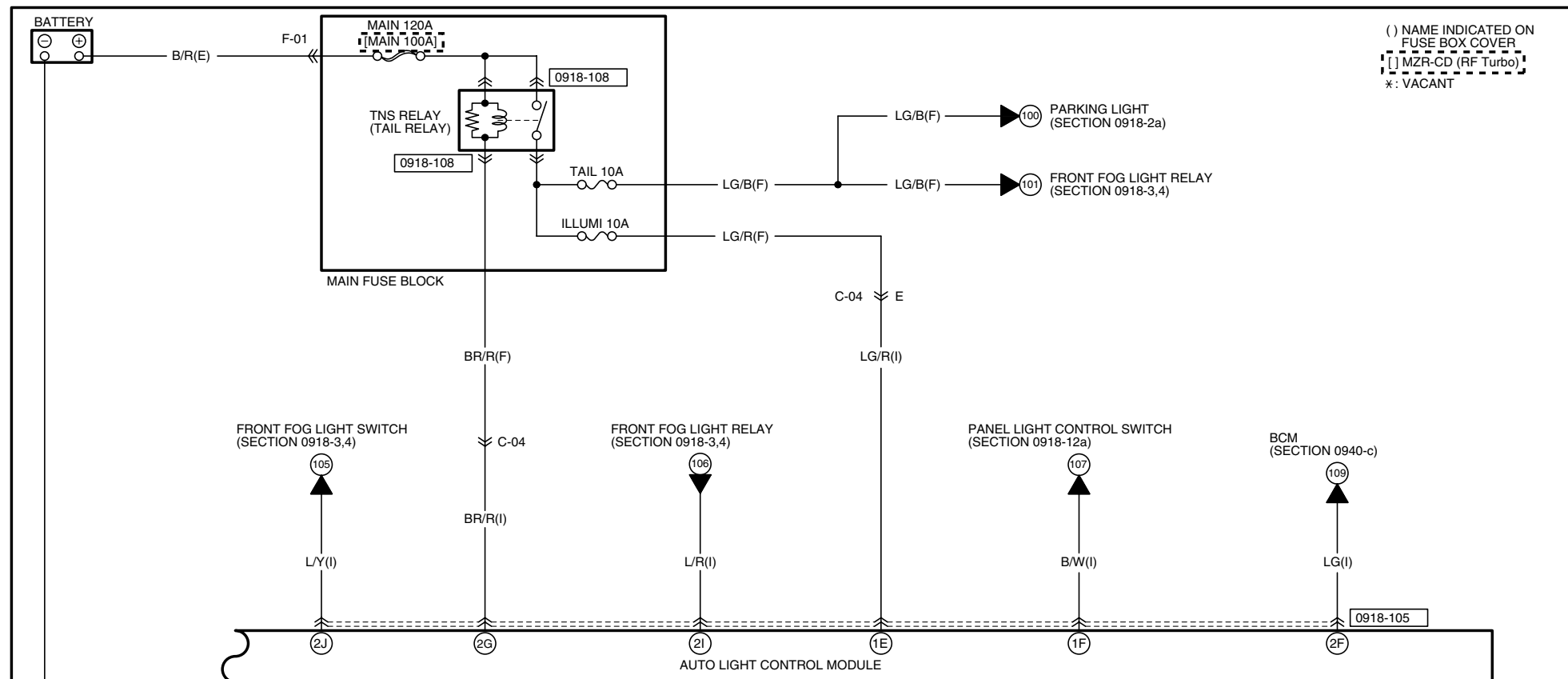


(LIGHT SWITCH RIGHT SIDE)

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

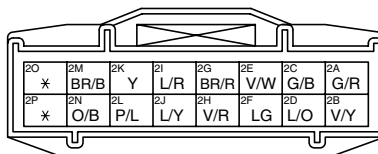
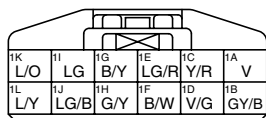


Mazda6 Wiring Diagram (5645-1*-05F)

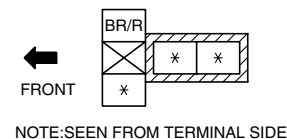


777

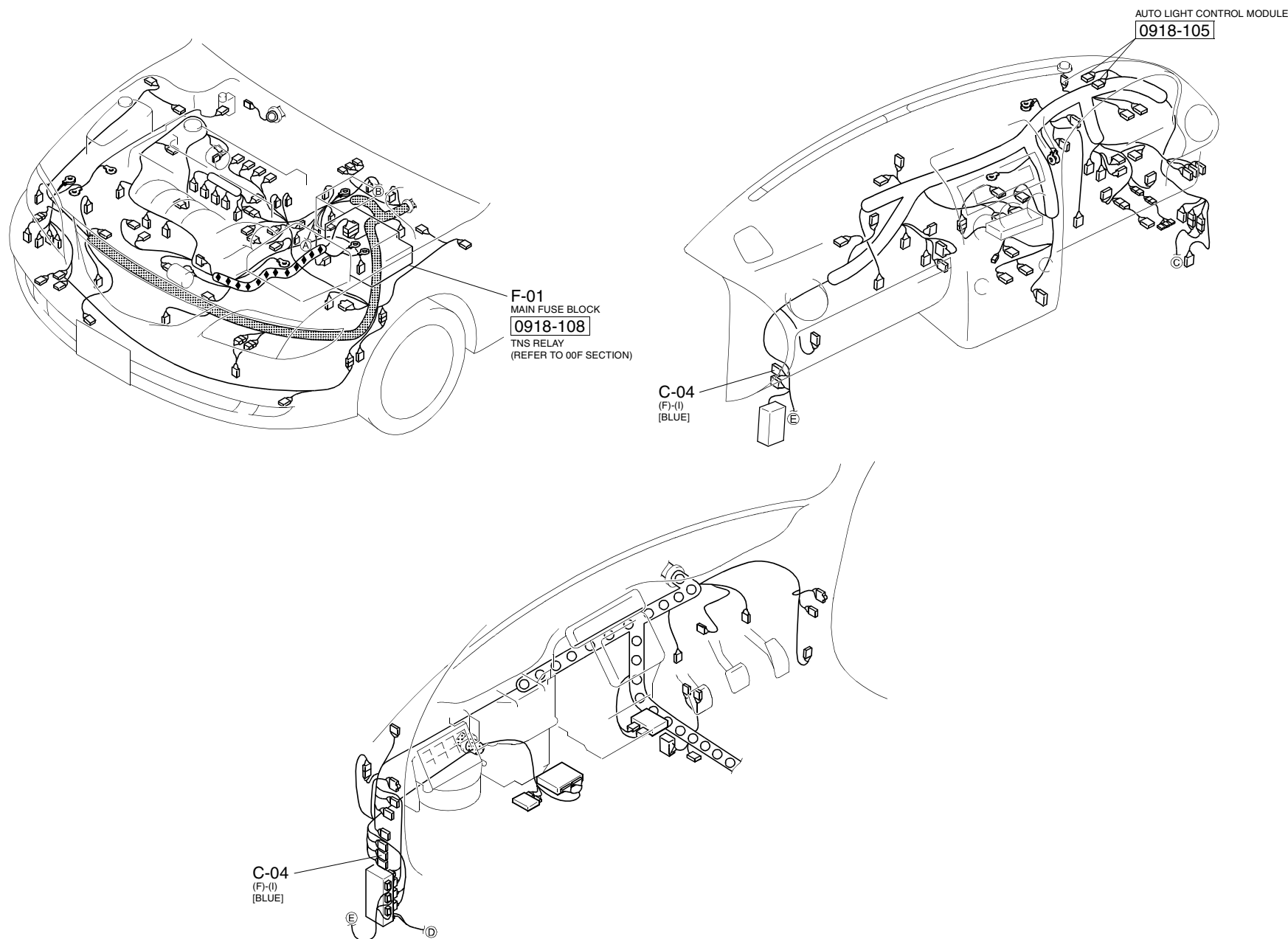
0918-105
 AUTO LIGHT CONTROL MODULE(I)



0918-108
 TNS RELAY(F)



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



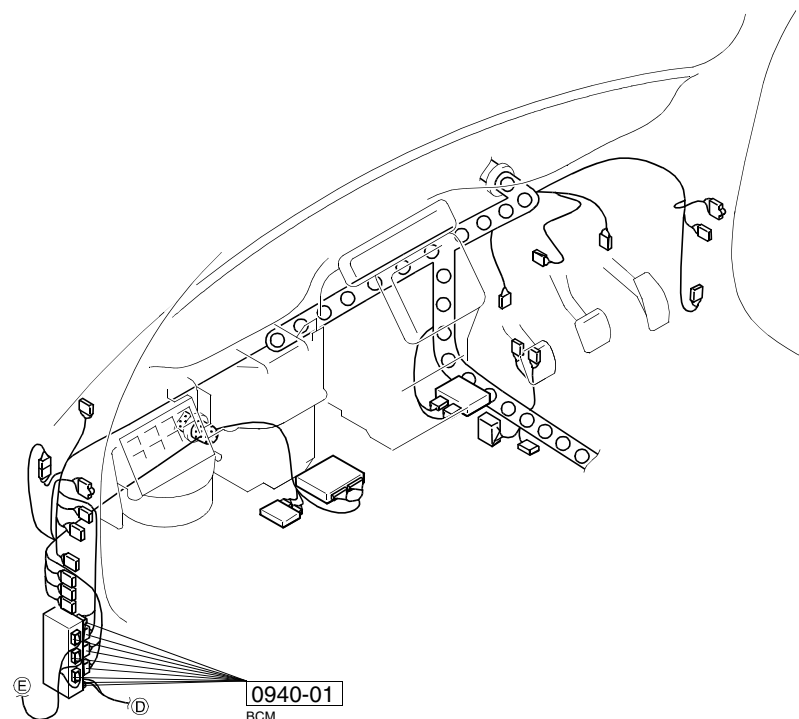


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

[BLACK]
PARKING LIGHT RH
0918-102

0918-101
PARKING LIGHT LH

1



LICENSE PLATE LIGHT/PARKING LIGHT/TAILLIGHT

0918-2b

■: WAGON

TNS RELAY
(SECTION 0918-2a)



LG/B(R)

LG/B(R)

LG/B(R)

5W

B(R)

B(R)

B(R)

B(R)

14

LG/B(R)

LG/B(R)

LG/B(R)

5W

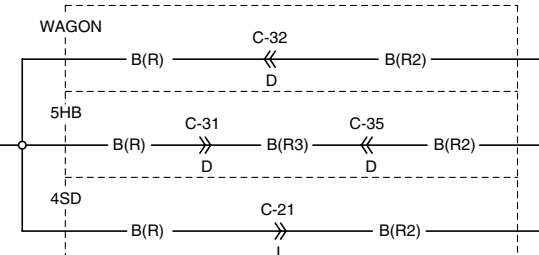
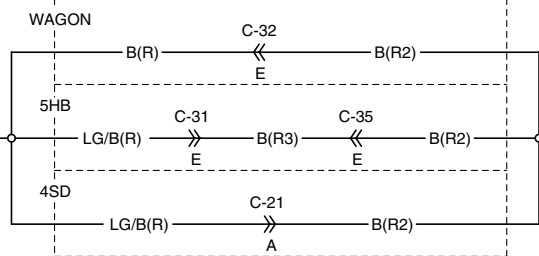
B(R)

B(R)

B(R)

B(R)

14



B(R2)

B(R2)

B(R2)

5W

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B(R2)

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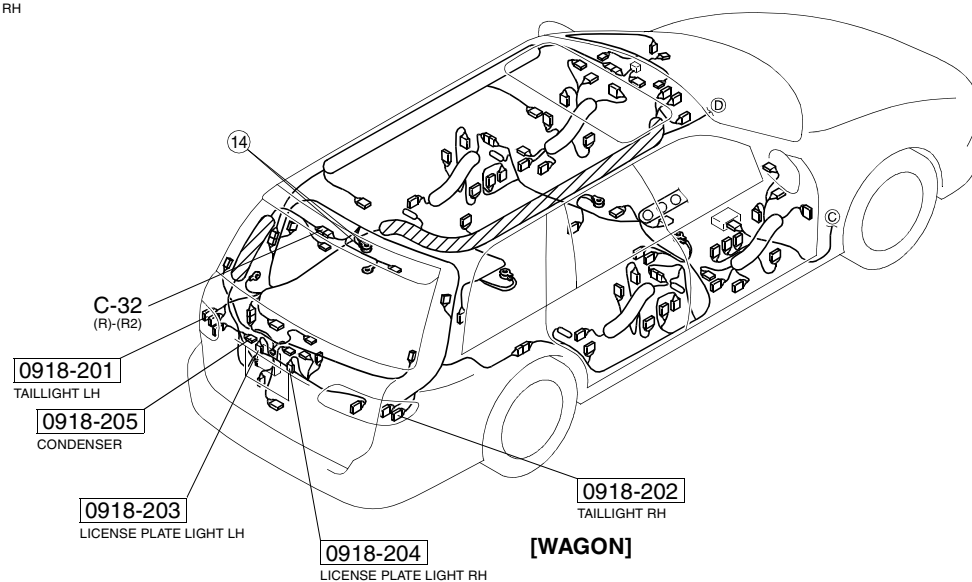
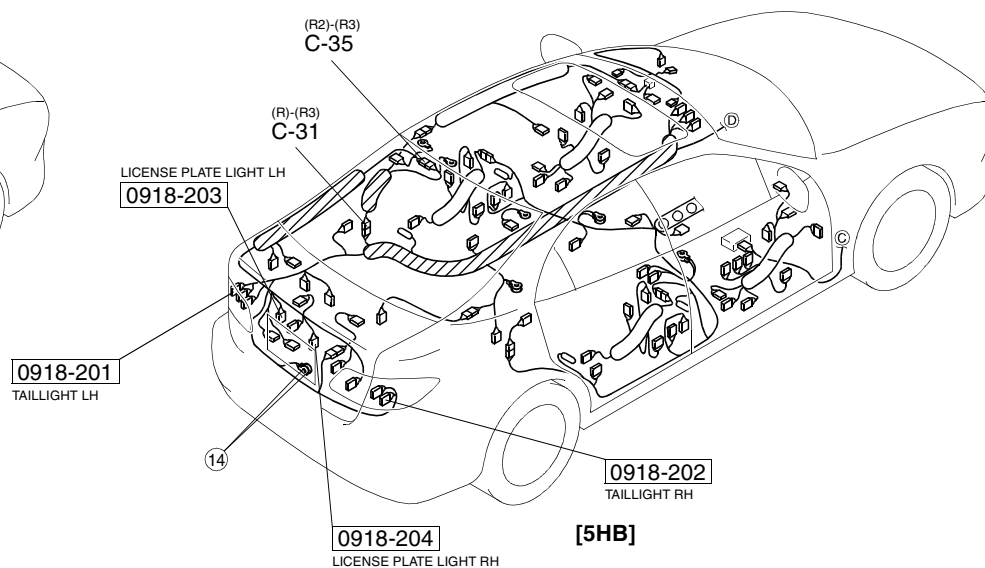
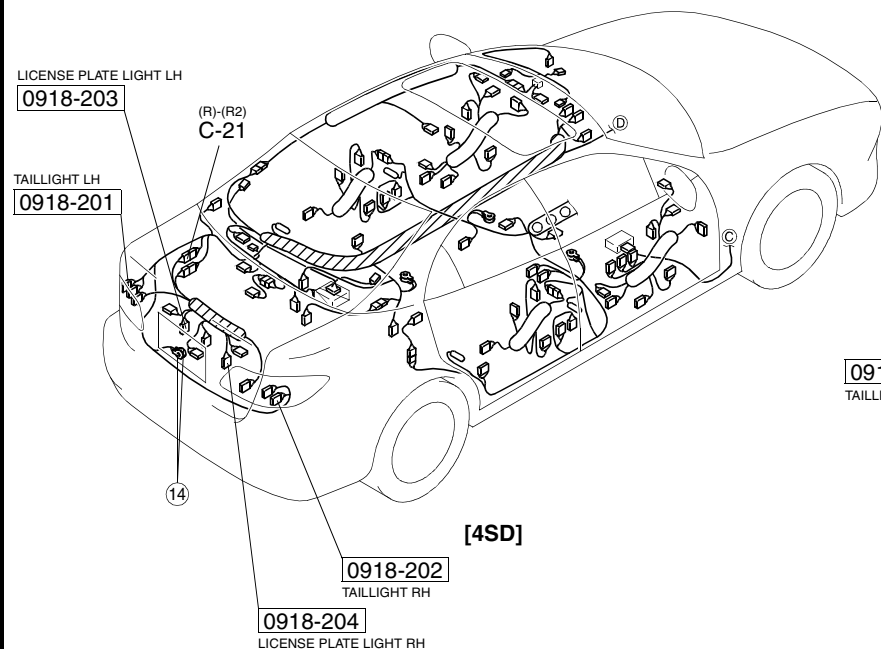
B(R2)

B(R2)

B(R2)

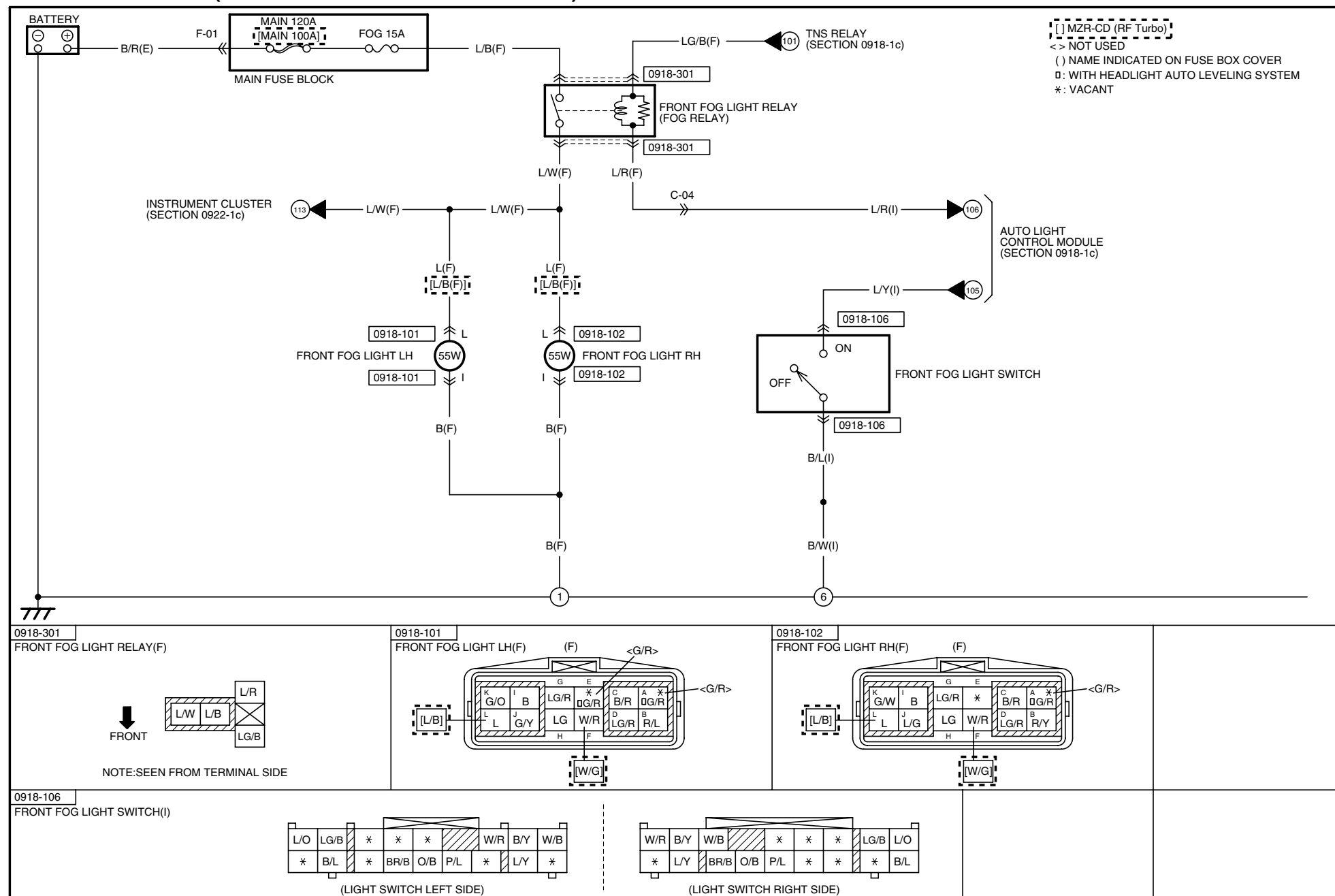
B(R2)

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



FRONT FOG LIGHT (IN FRONT COMBINATION LIGHTS)

0918-3



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

[BLACK]
FRONT FOG LIGHT RH
0918-102

0918-101
FRONT FOG LIGHT LH

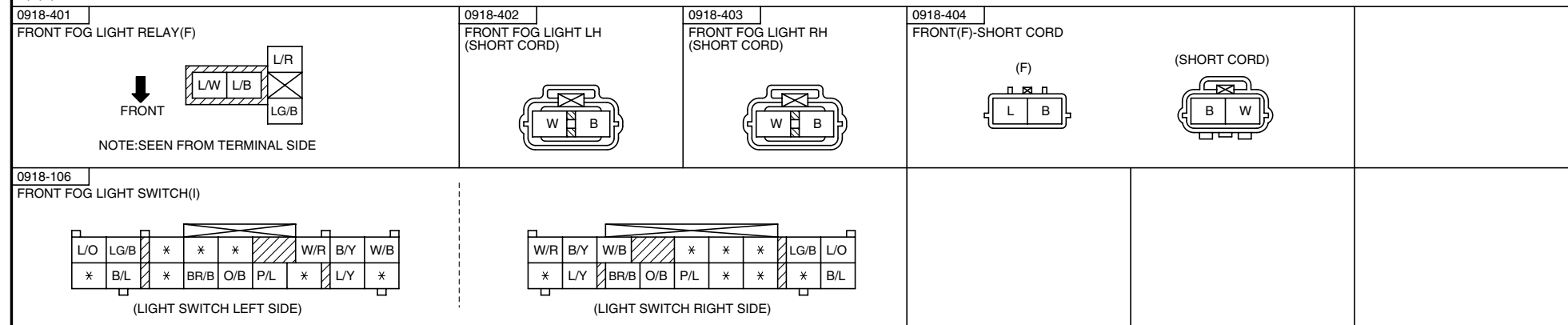
F-01
MAIN FUSE BLOCK
0918-301
FRONT FOG LIGHT RELAY
(REFER TO 00F SECTION)

C-04
(F)-(I)
[BLUE]

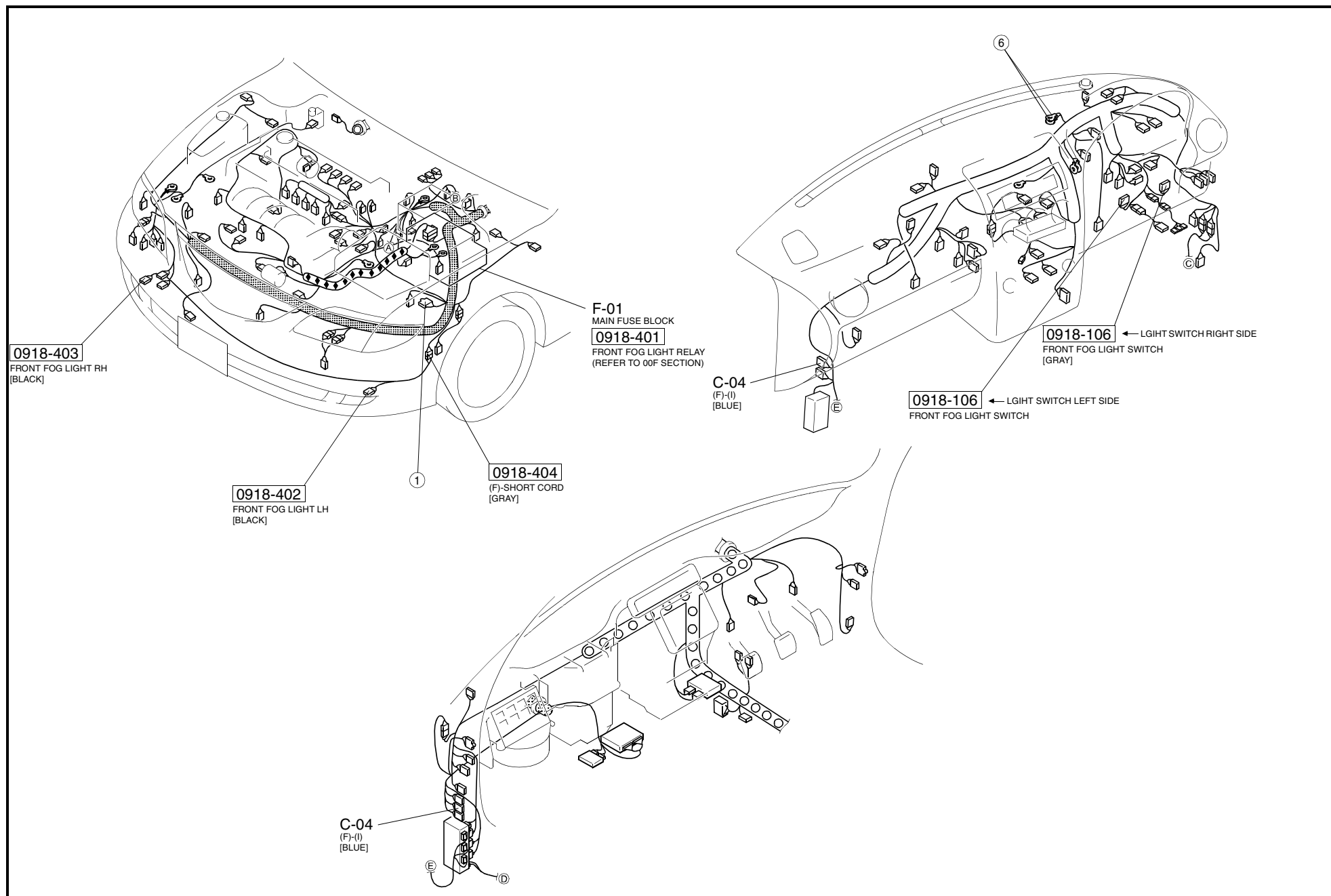
0918-106
← LGIHT SWITCH LEFT SIDE
FRONT FOG LIGHT SWITCH

0918-106
← LGIHT SWITCH RIGHT SIDE
FRONT FOG LIGHT SWITCH
[GRAY]

C-04
(F)-(I)
[BLUE]



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



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

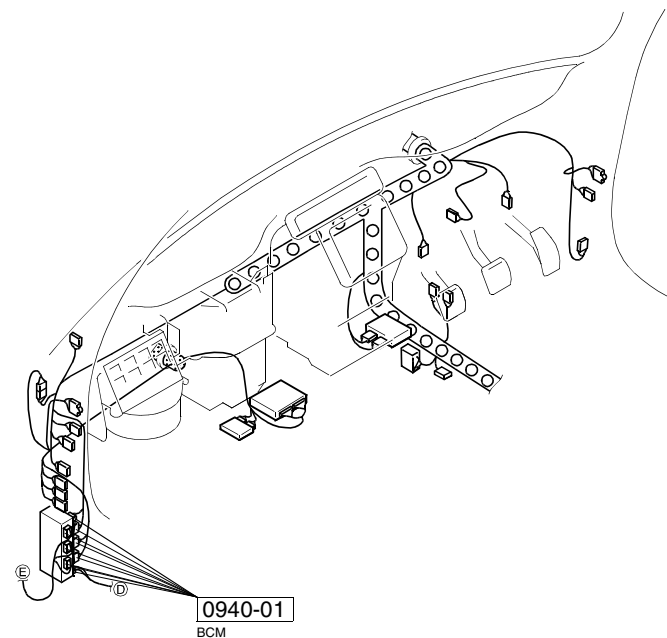
[BLACK]
FRONT TURN LIGHT RH
0918-102

FRONT SIDE TURN LIGHT RH
0918-504

FRONT SIDE TURN LIGHT LH
0918-503

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

0918-101
FRONT TURN LIGHT LH



REAR TURN LIGHT LH
0918-501

14

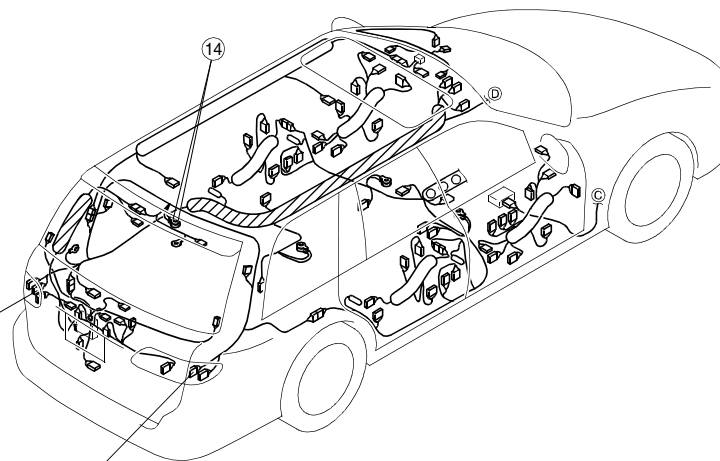
0918-502
REAR TURN LIGHT RH

[EXCEPT WAGON]

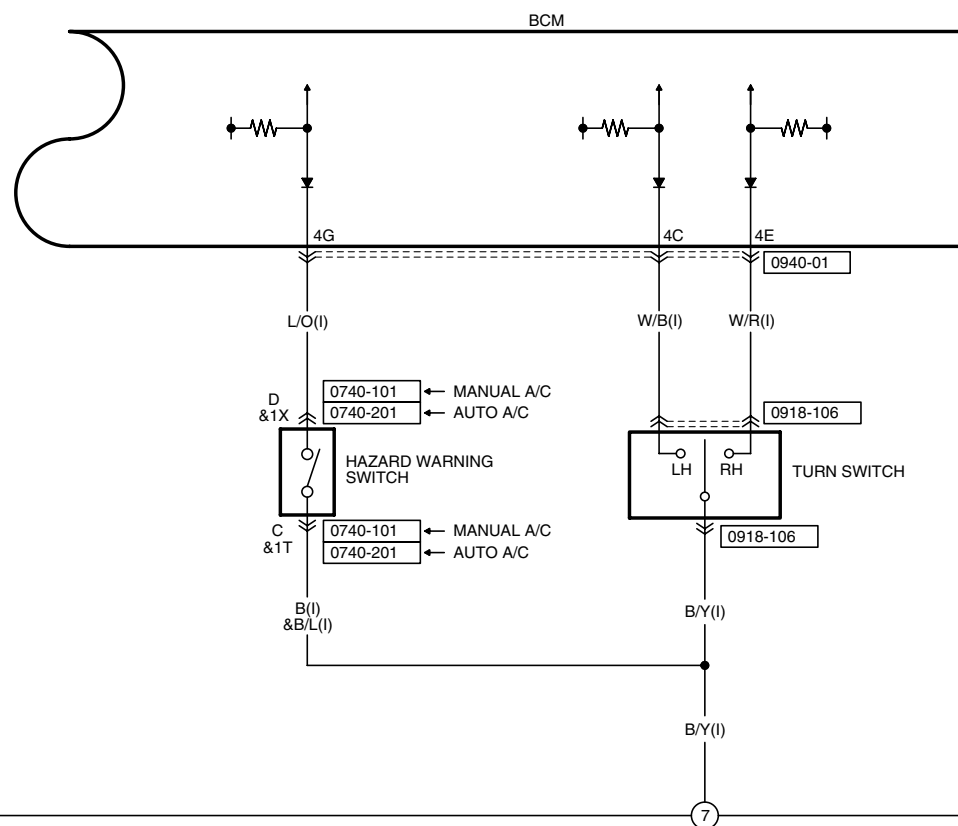
0918-501
REAR TURN LIGHT LH

0918-502
REAR TURN LIGHT RH

[WAGON]



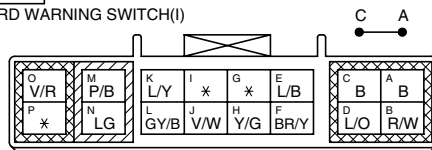
[] NOT USED
 @: WITH HEADLIGHT MANUAL LEVELING SYSTEM
 &: WITH AUTO A/C
 *: VACANT



TTT

0740-101

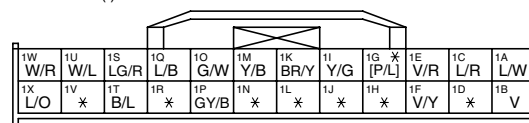
HAZARD WARNING SWITCH(I)



(MANUAL A/C)

0740-201

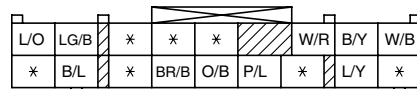
HAZARD WARNING SWITCH(I)



(AUTO A/C)

0918-106

TURN SWITCH(I)



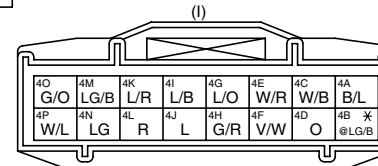
(LIGHT SWITCH LEFT SIDE)



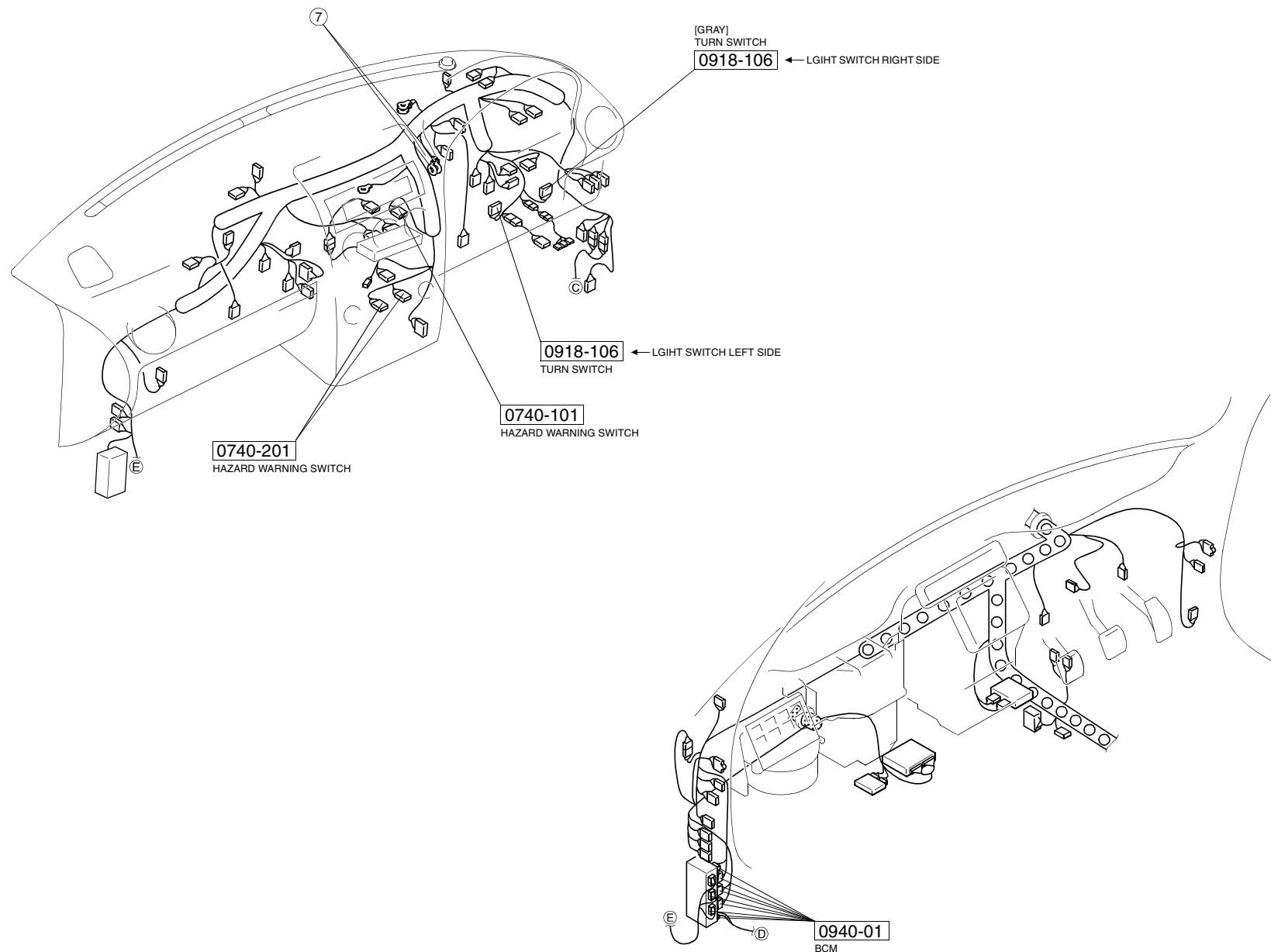
(LIGHT SWITCH RIGHT SIDE)

0940-01

BCM

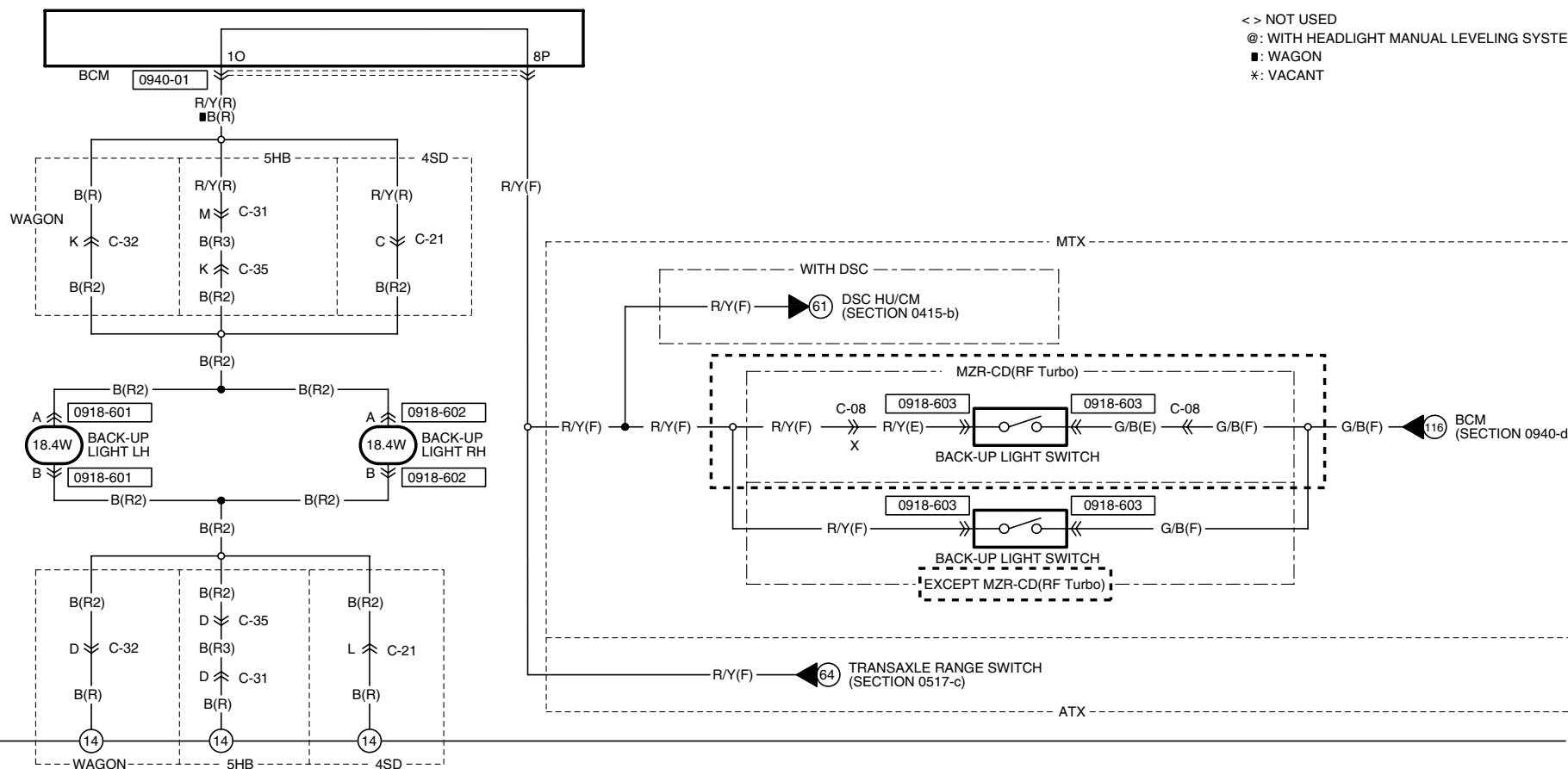


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

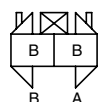


BACK-UP LIGHT

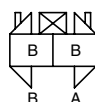
0918-6



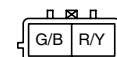
0918-601
BACK-UP LIGHT LH(R2)



0918-602
BACK-UP LIGHT RH(R2)

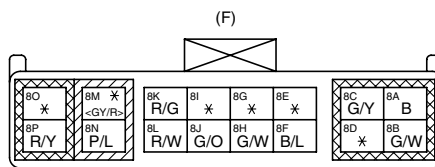
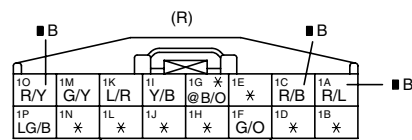


0918-603
BACK-UP LIGHT SWITCH
 (E) ← MZR-CD(RF Turbo)
 (F) ← EXCEPT MZR-CD(RF Turbo)

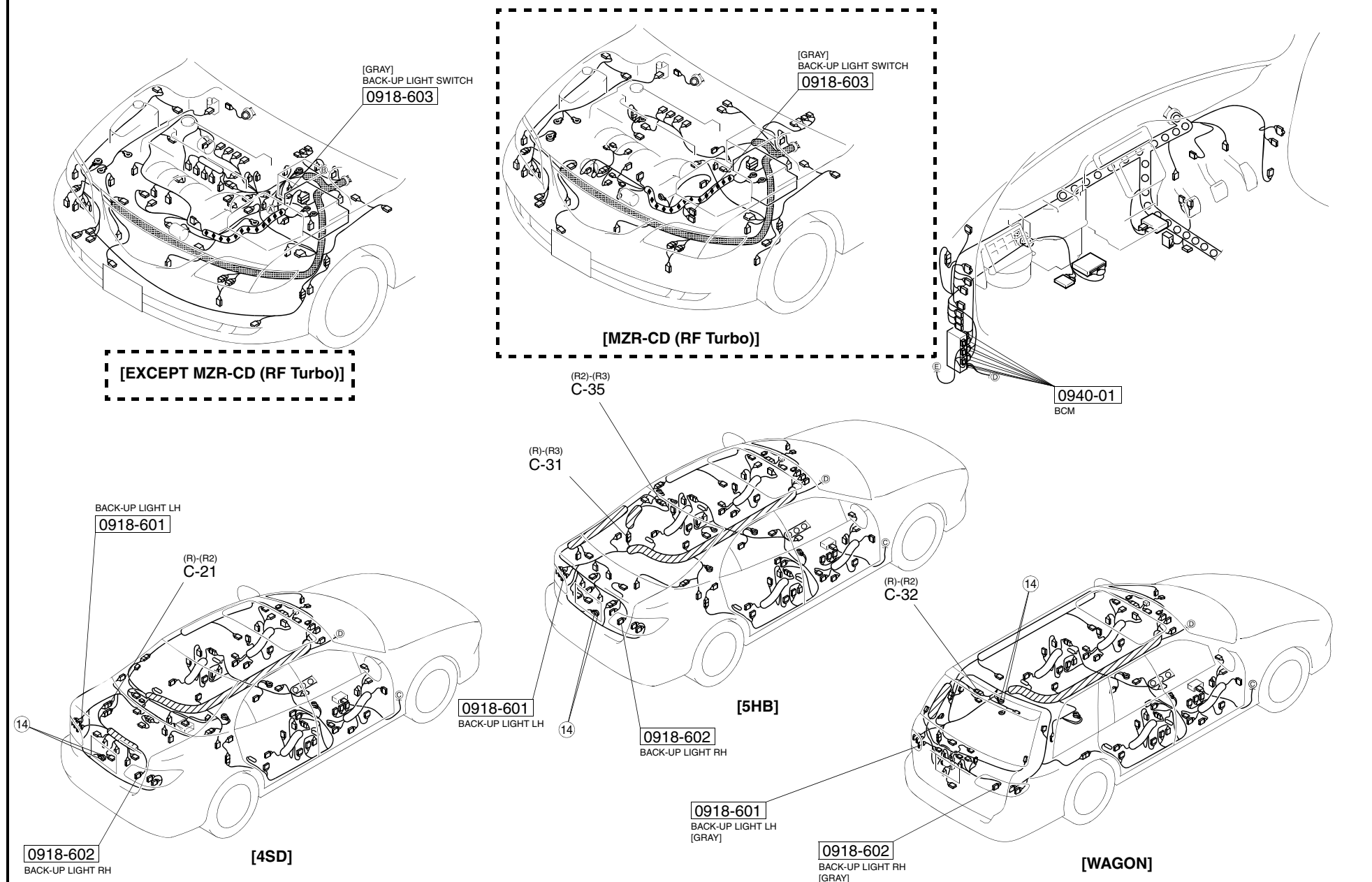


(MTX)

0940-01
BCM

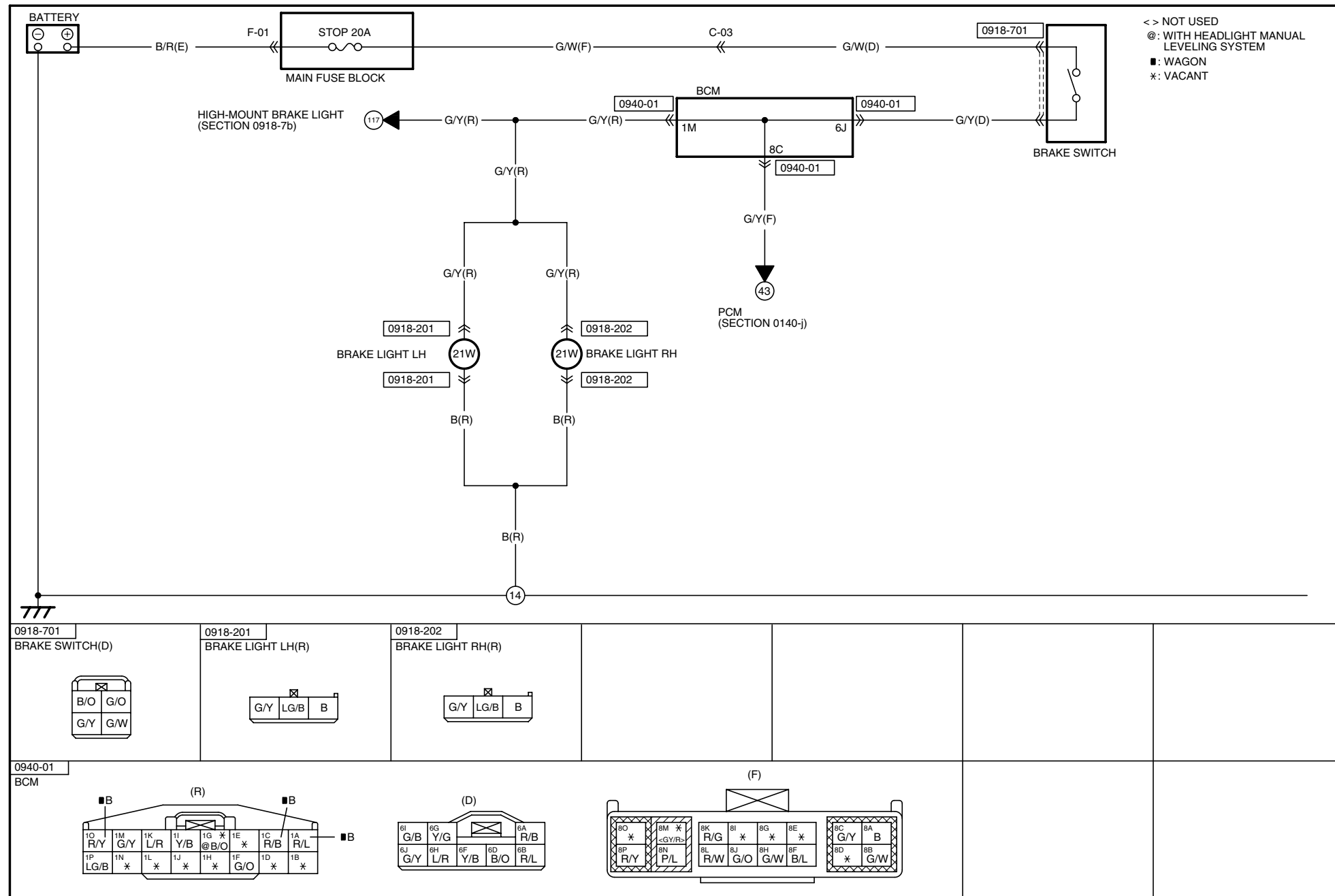


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

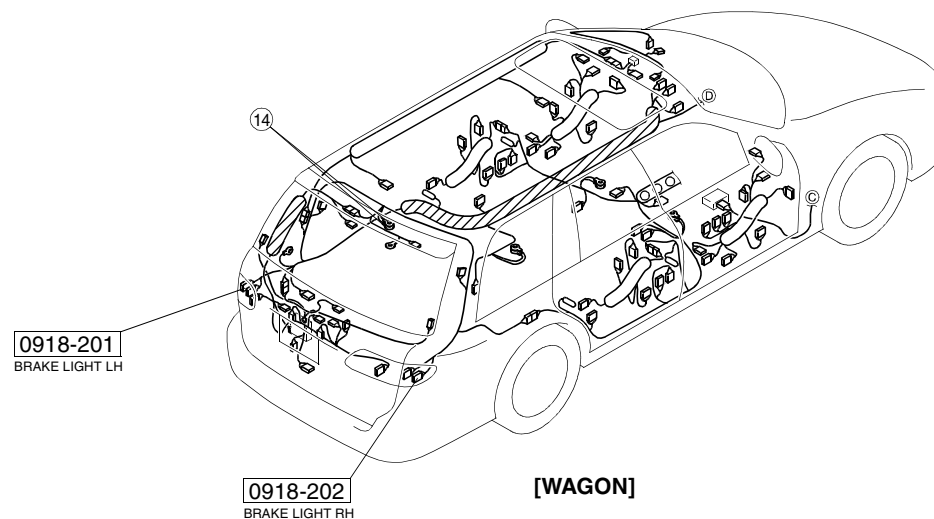
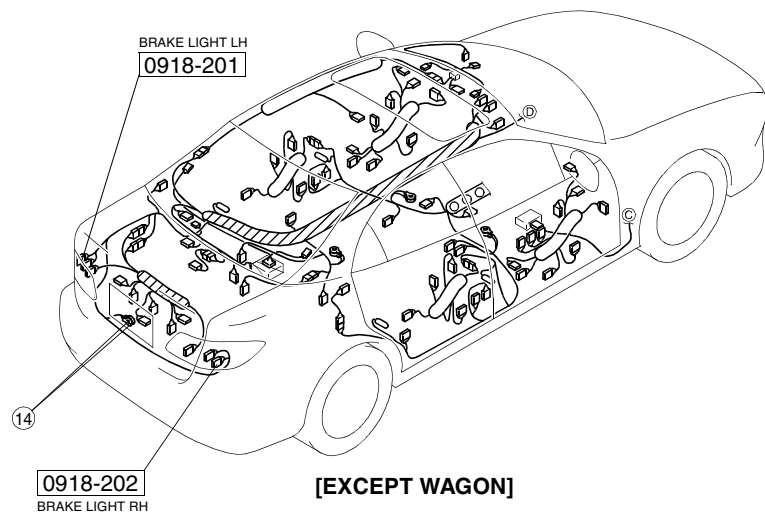
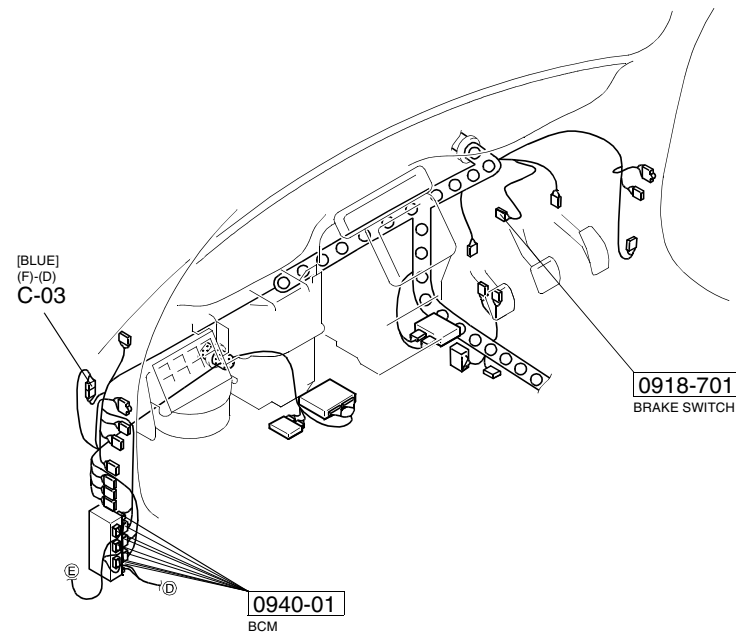
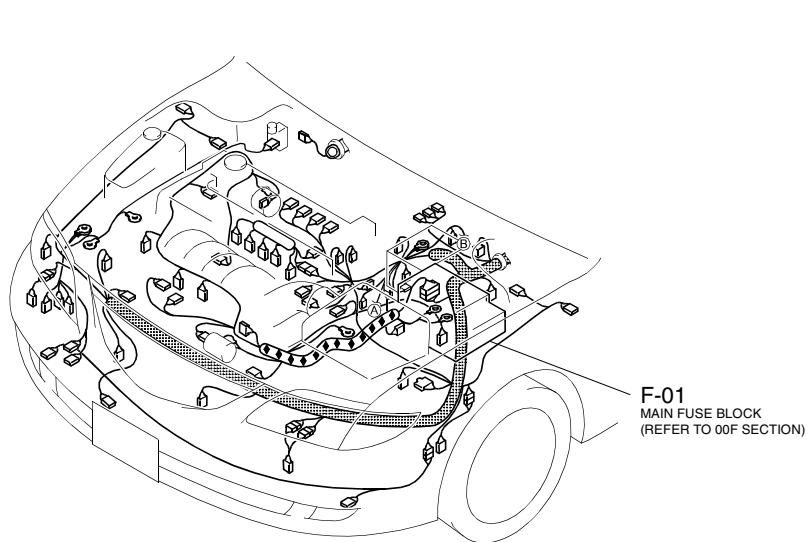


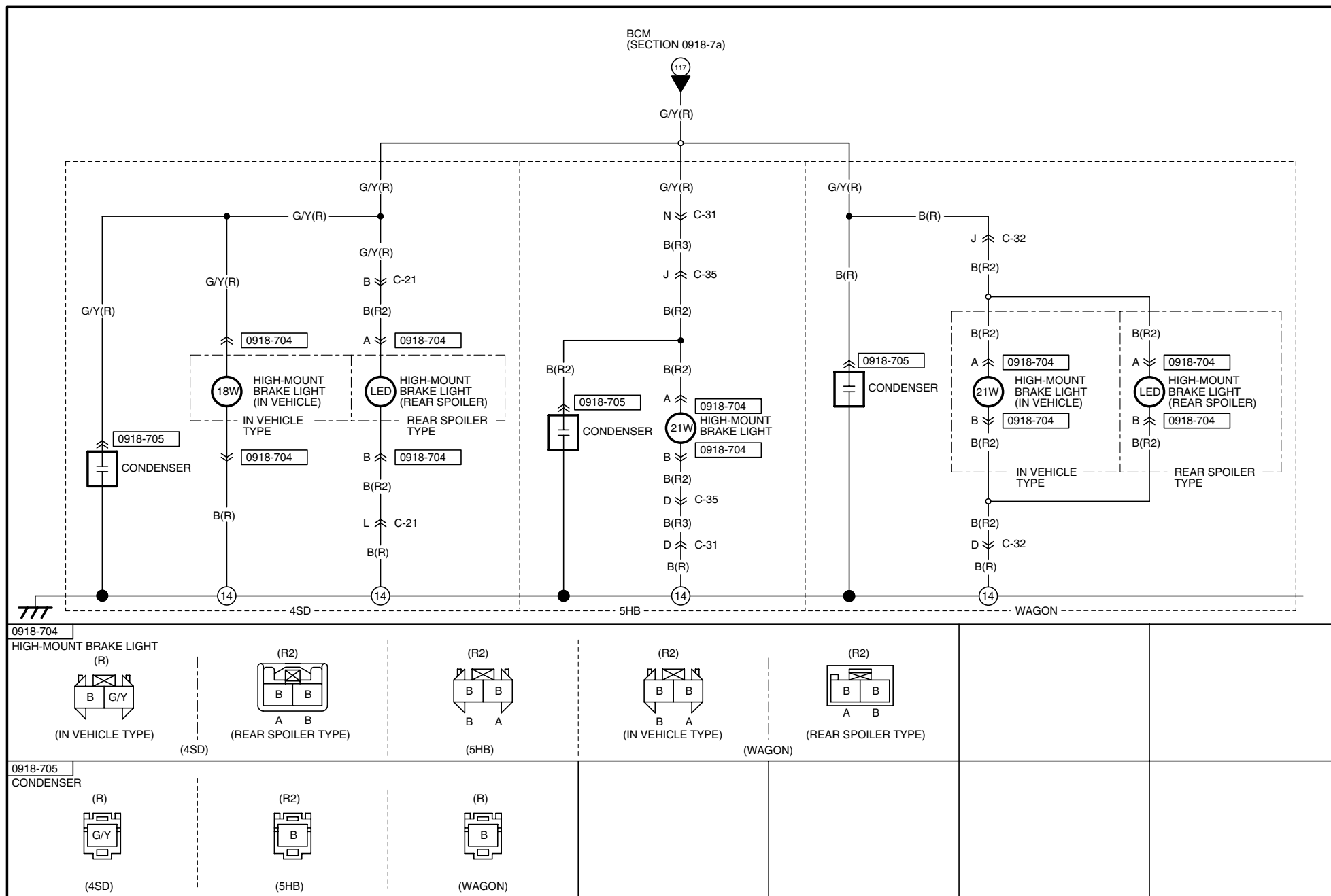
BRAKE LIGHT/HIGH-MOUNT BRAKE LIGHT

0918-7a

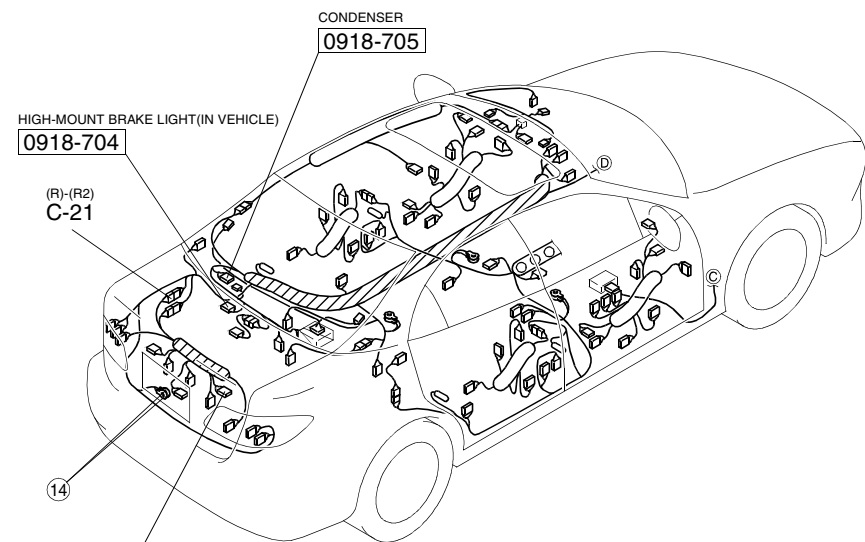


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



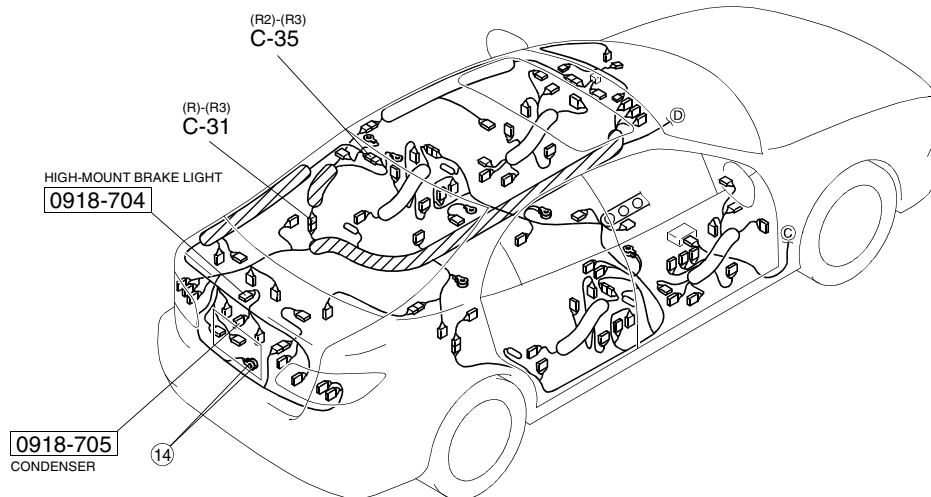


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

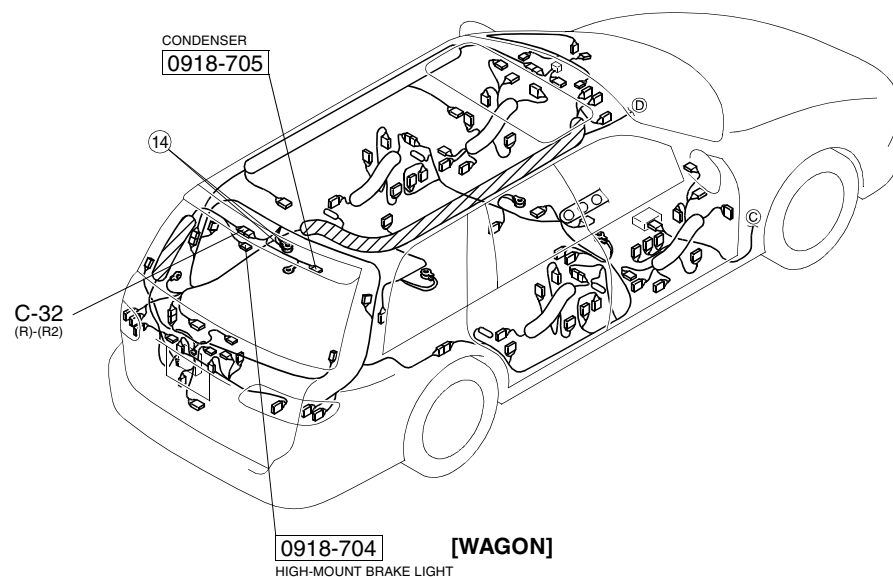


[4SD]

0918-704
HIGH-MOUNT BRAKE LIGHT(REAR SPOILER)



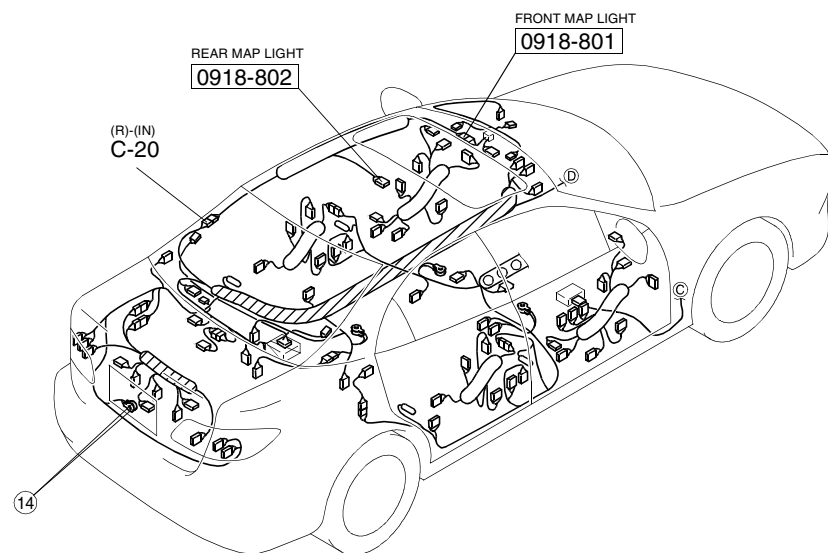
[5HB]



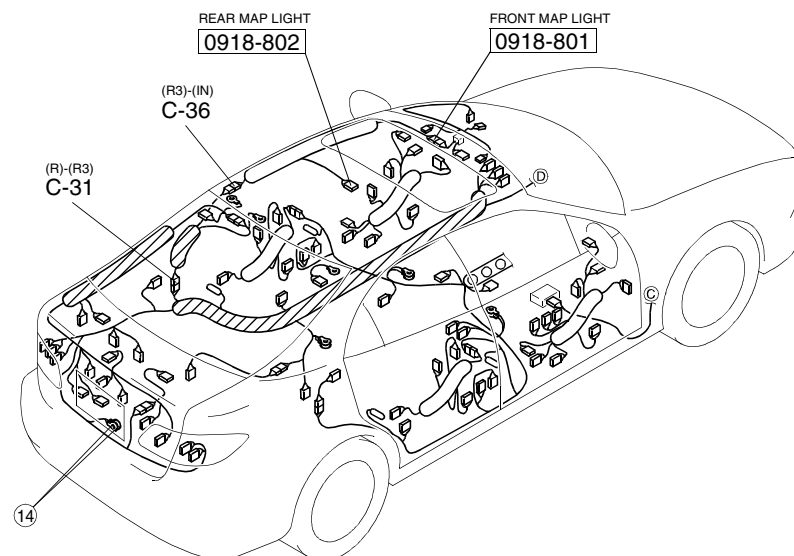
[WAGON]



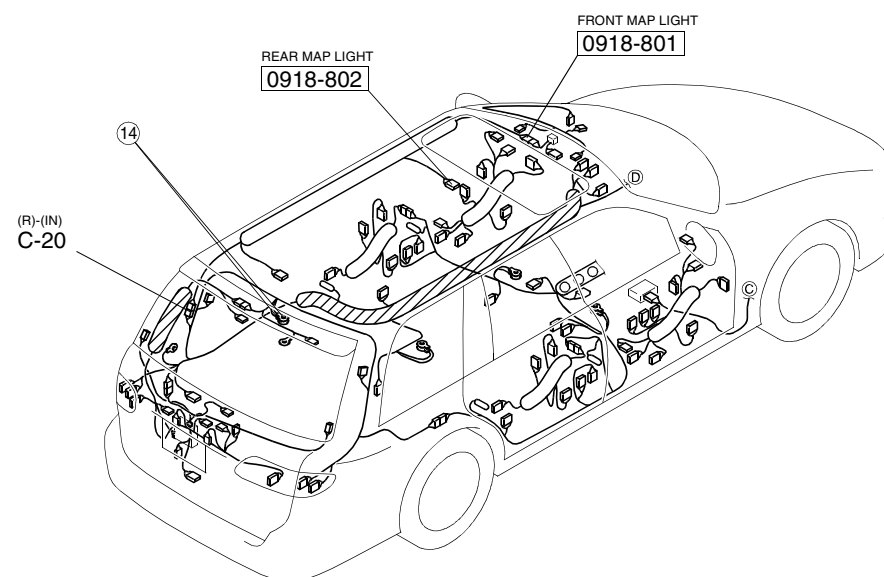
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



[4SD]

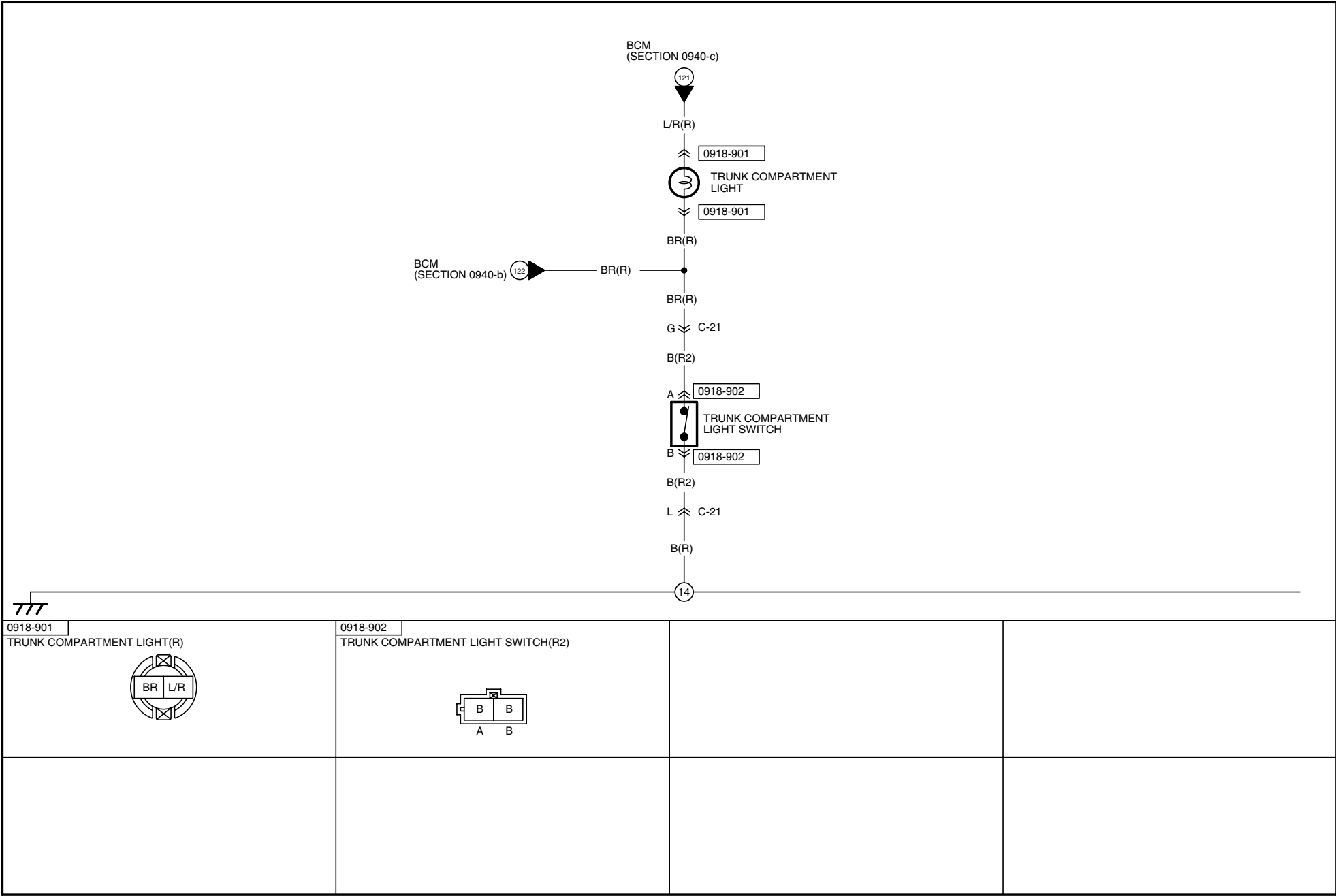


[5HB]

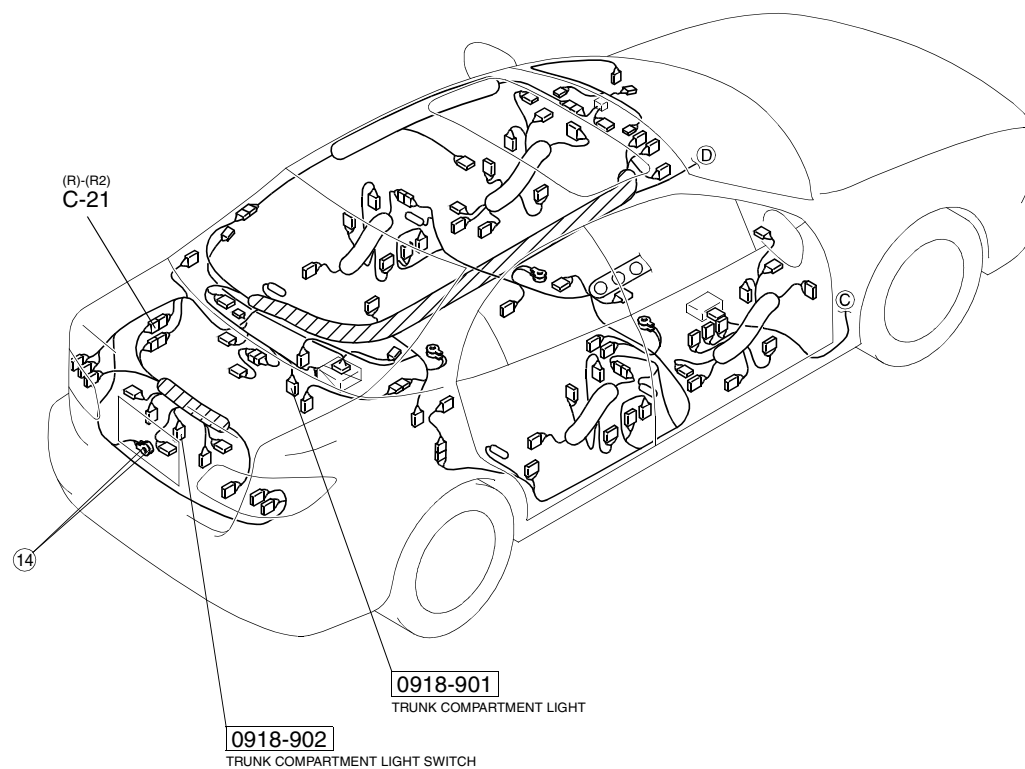


[WAGON]

174



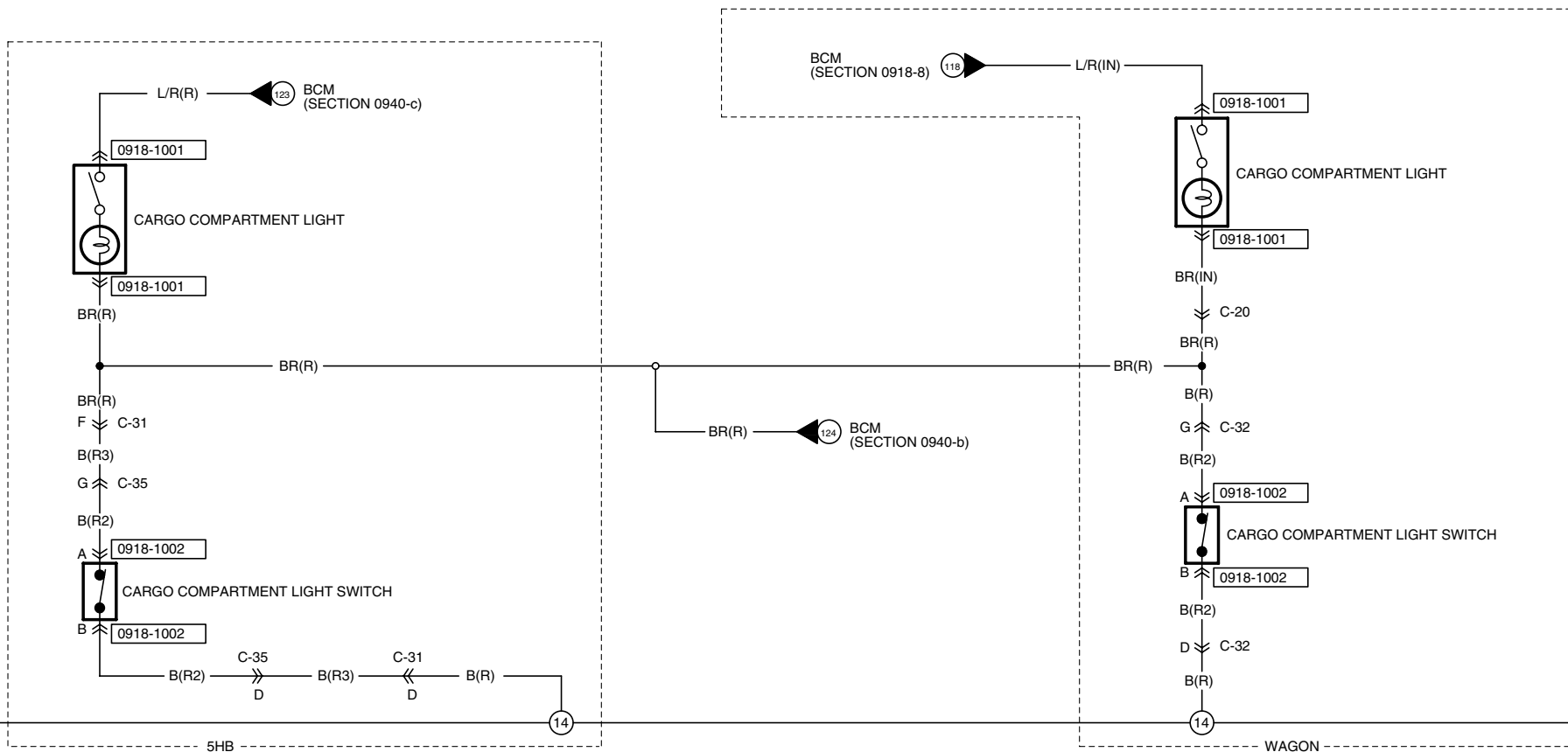
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



CARGO COMPARTMENT LIGHT (5HB OR WAGON)

0918-10

※: VACANT



TTT

5HB

WAGON

0918-1001

CARGO COMPARTMENT LIGHT

(R)

L/R

BR

(5HB)

(IN)

L/R BR * *

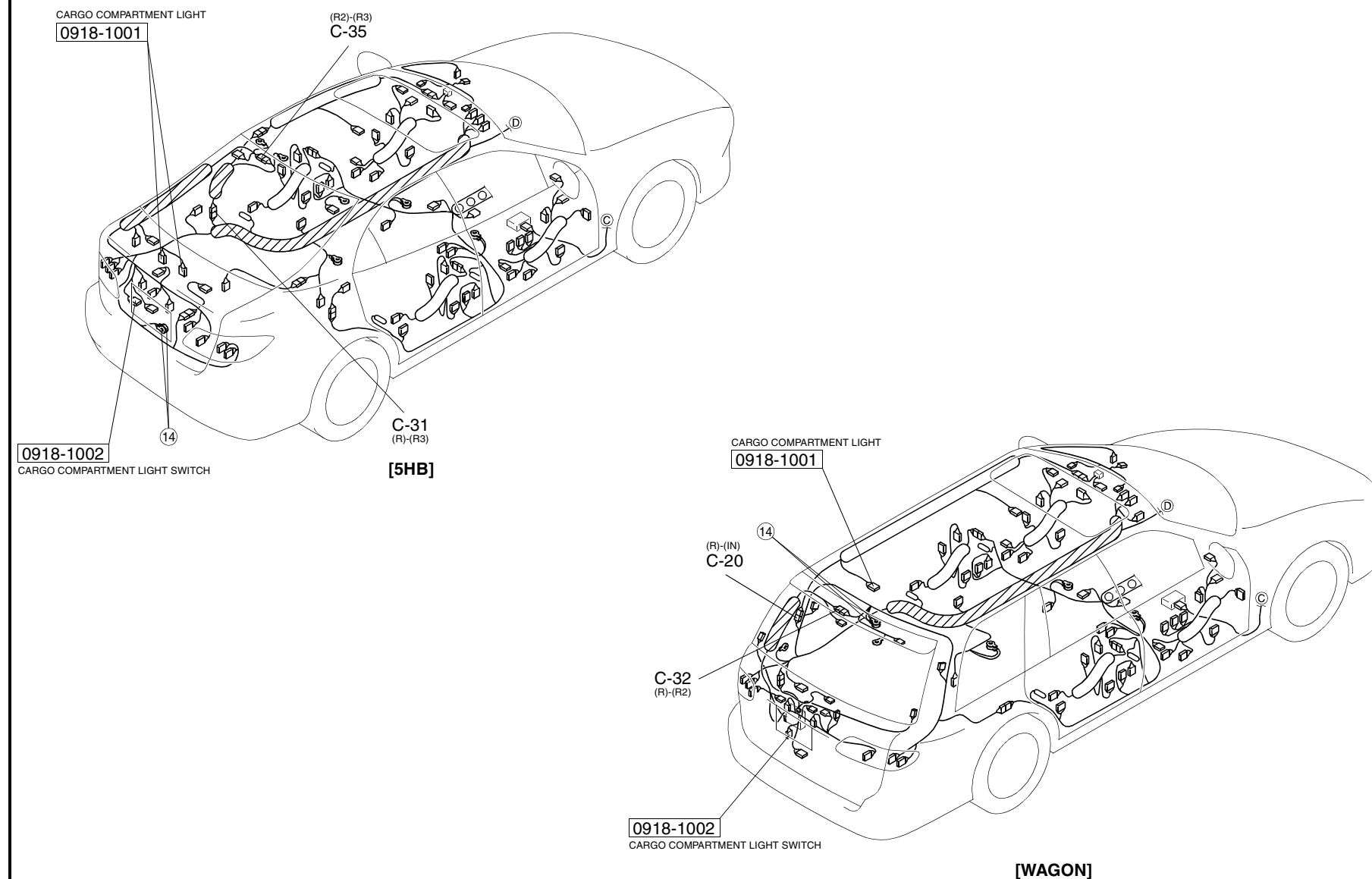
(WAGON)

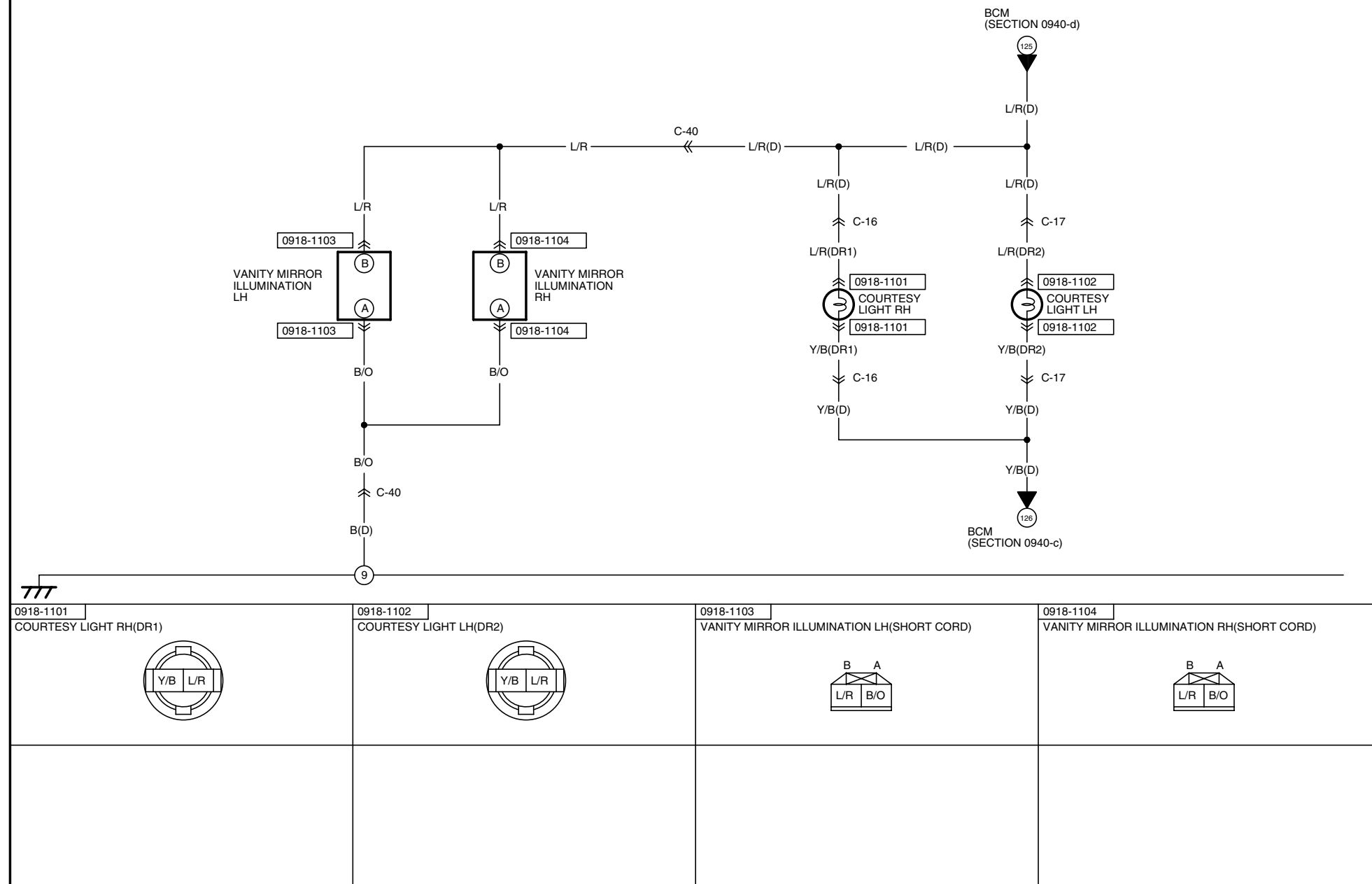
0918-1002

CARGO COMPARTMENT LIGHT SWITCH(R2)

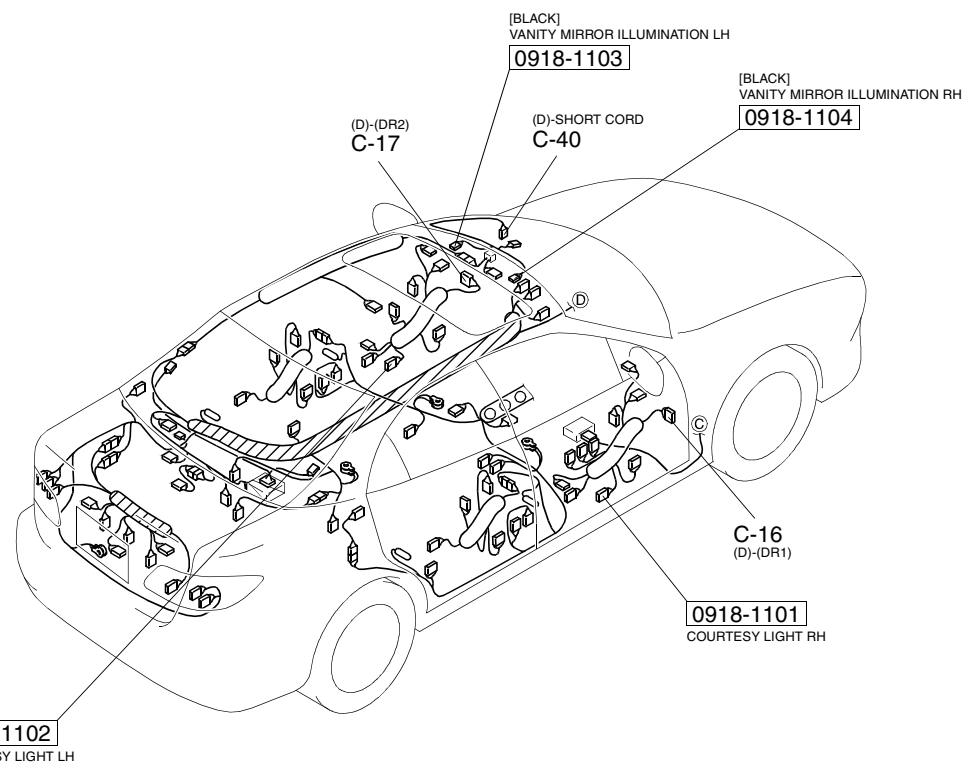
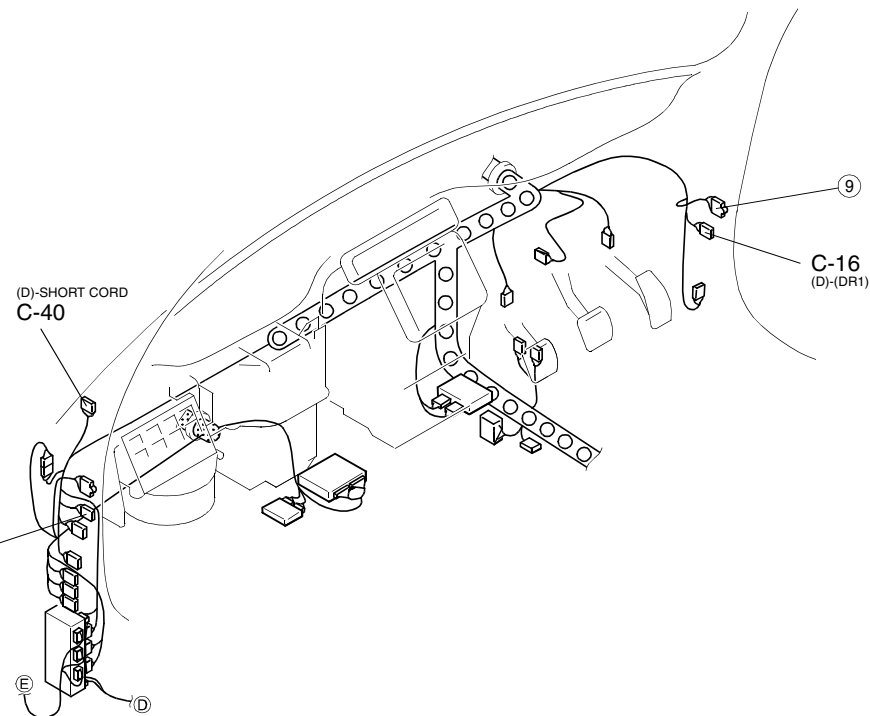
B B
A B

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



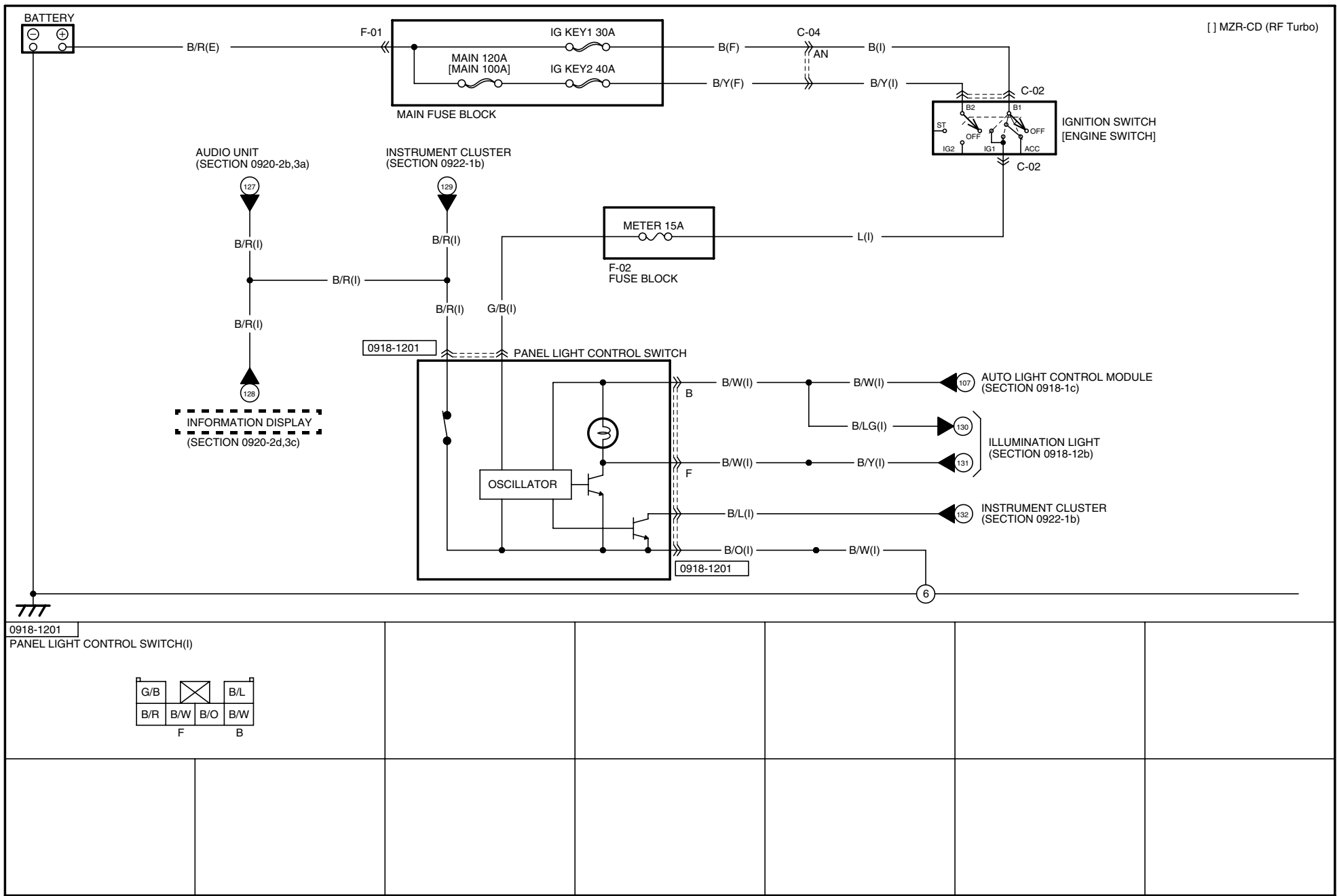


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

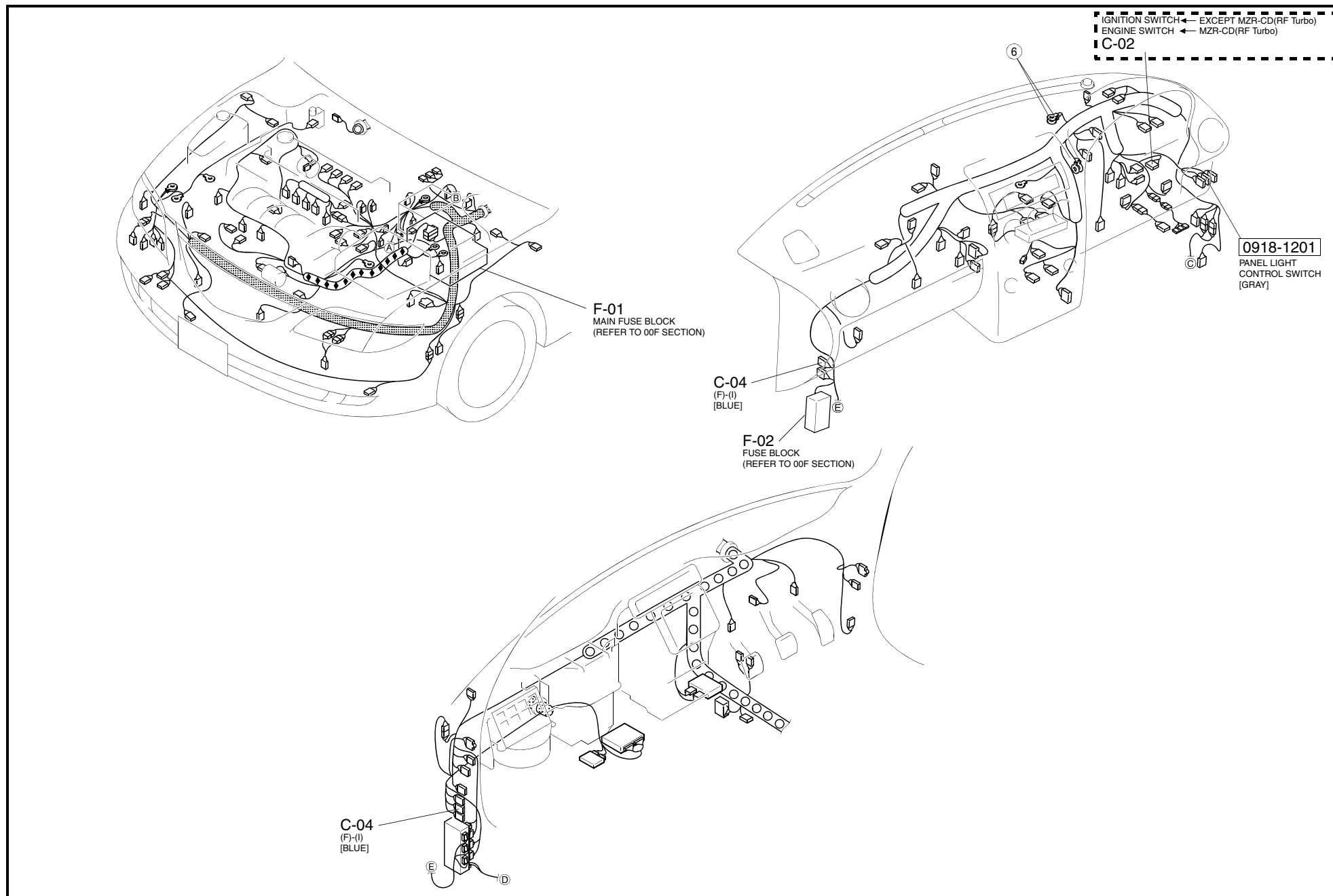


ILLUMINATION LIGHT

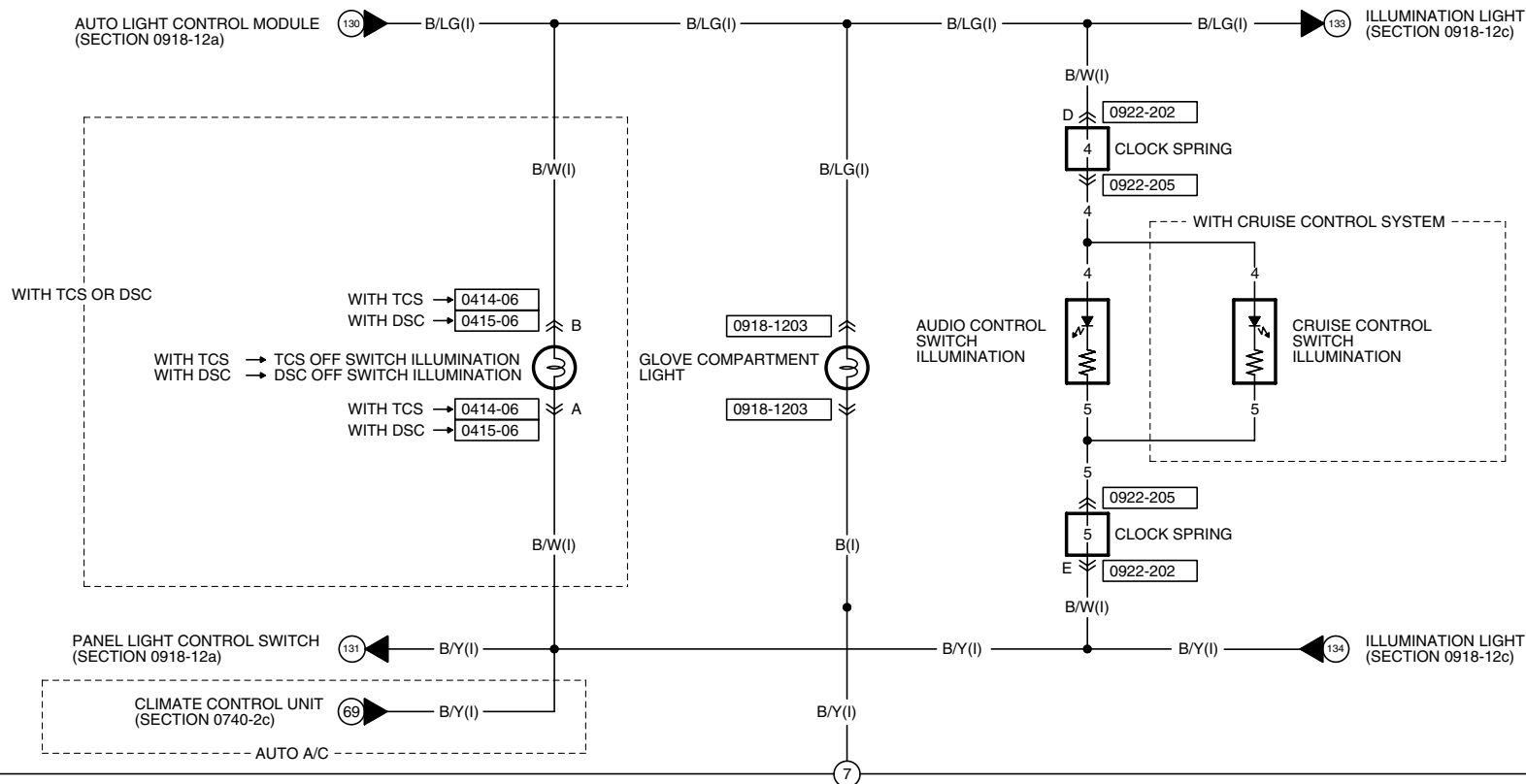
0918-12a



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



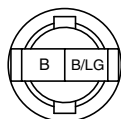
*: VACANT



TTT

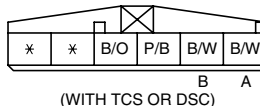
0918-1203

GLOVE COMPARTMENT LIGHT(I)



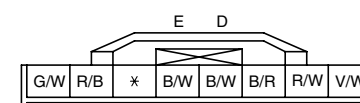
0414-06 ← WITH TCS

0415-06 ← WITH DSC

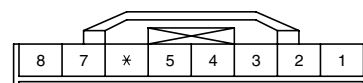
TCS OFF SWITCH ILLUMINATION(I) ← WITH TCS
DSC OFF SWITCH ILLUMINATION(I) ← WITH DSC

0922-202

CLOCK SPRING(I)

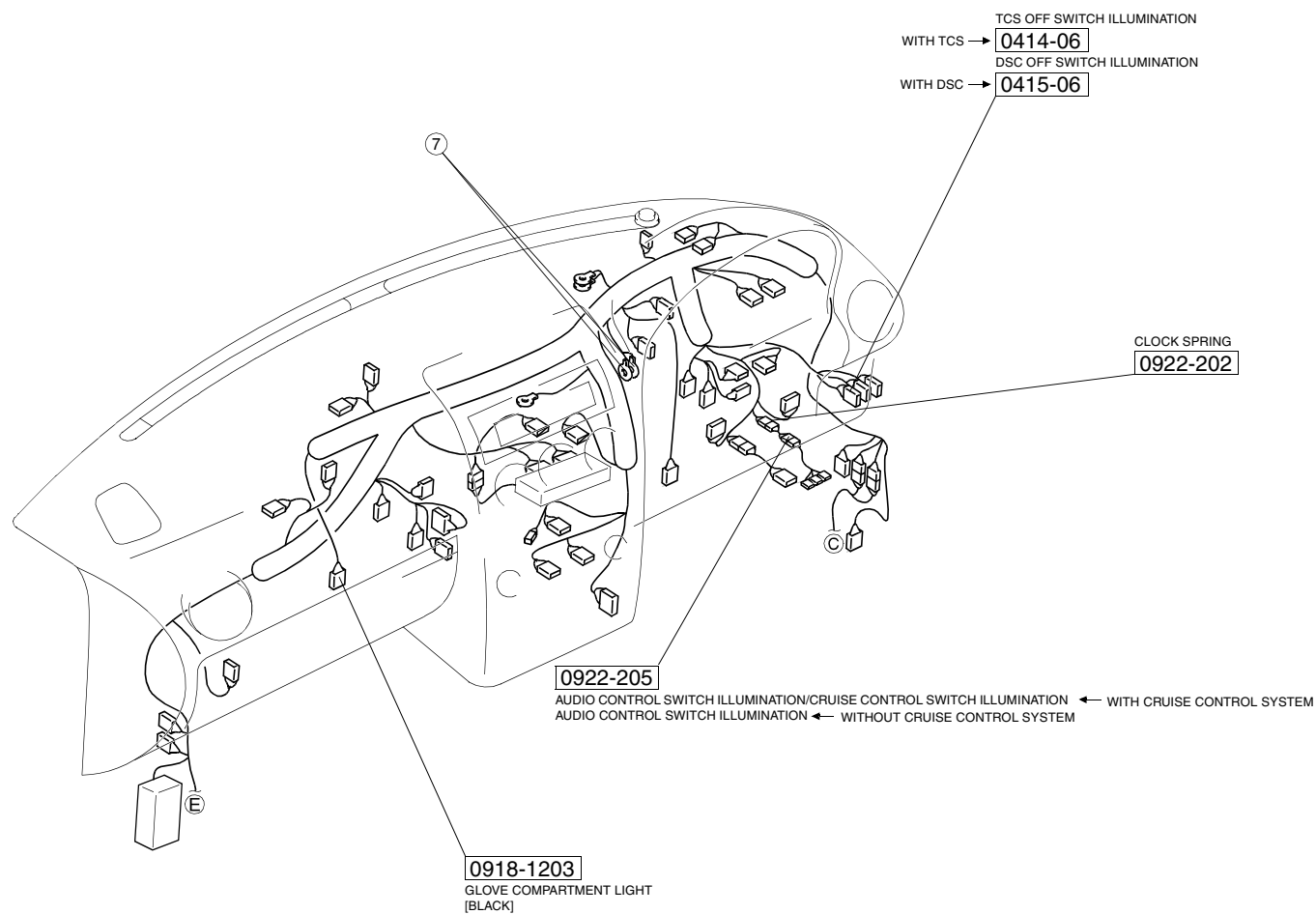


0922-205

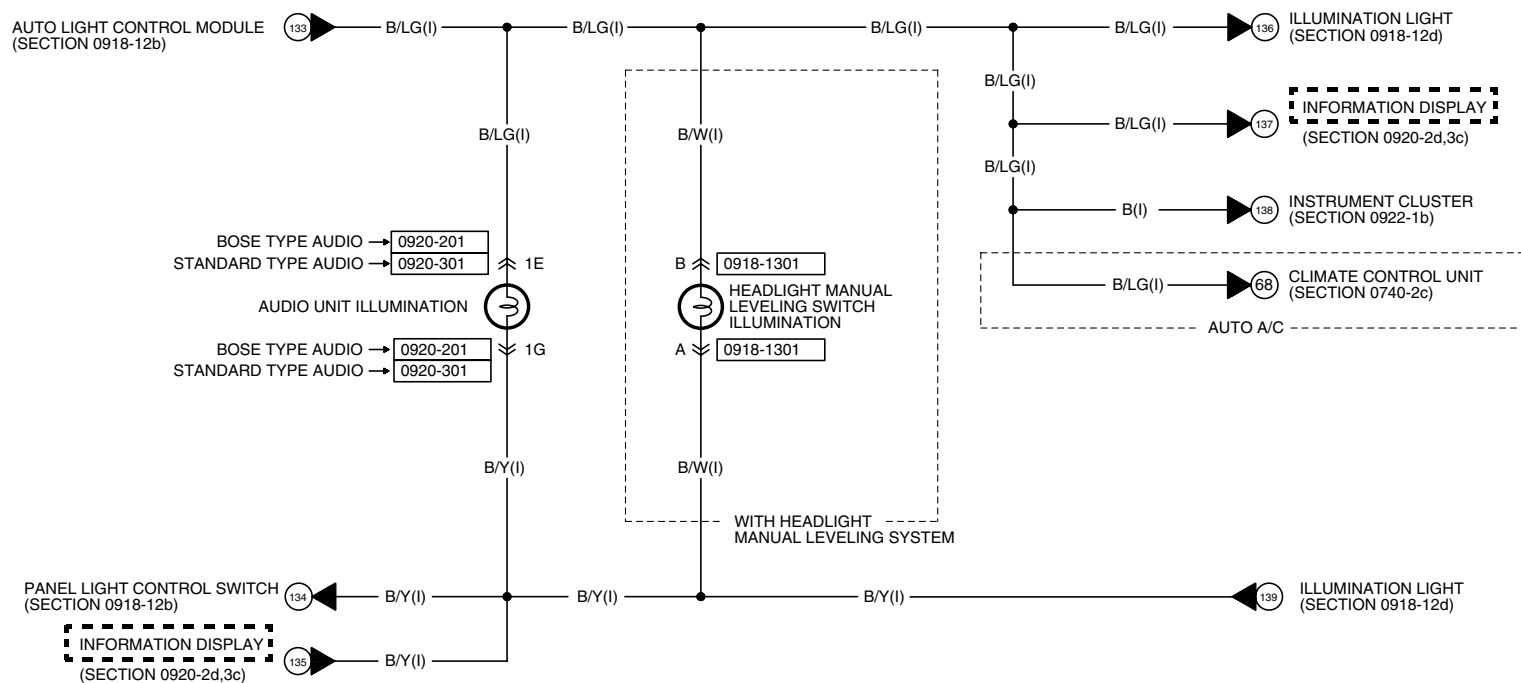
AUDIO CONTROL SWITCH ILLUMINATION/CRUISE CONTROL SWITCH ILLUMINATION(CLOCK SPRING) ← WITH CRUISE CONTROL SYSTEM
AUDIO CONTROL SWITCH ILLUMINATION(CLOCK SPRING) ← WITHOUT CRUISE CONTROL SYSTEM

TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

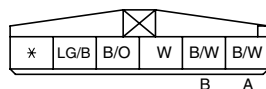
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



*: VACANT

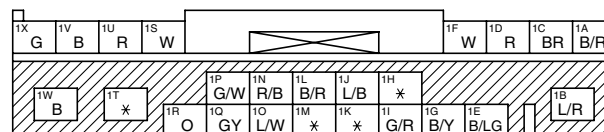


0918-1301
HEADLIGHT MANUAL LEVELING SWITCH ILLUMINATION(I)



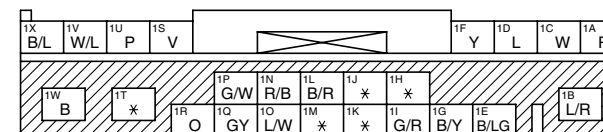
(WITH HEADLIGHT MANUAL LEVELING SYSTEM)

0920-201
AUDIO UNIT ILLUMINATION(I)



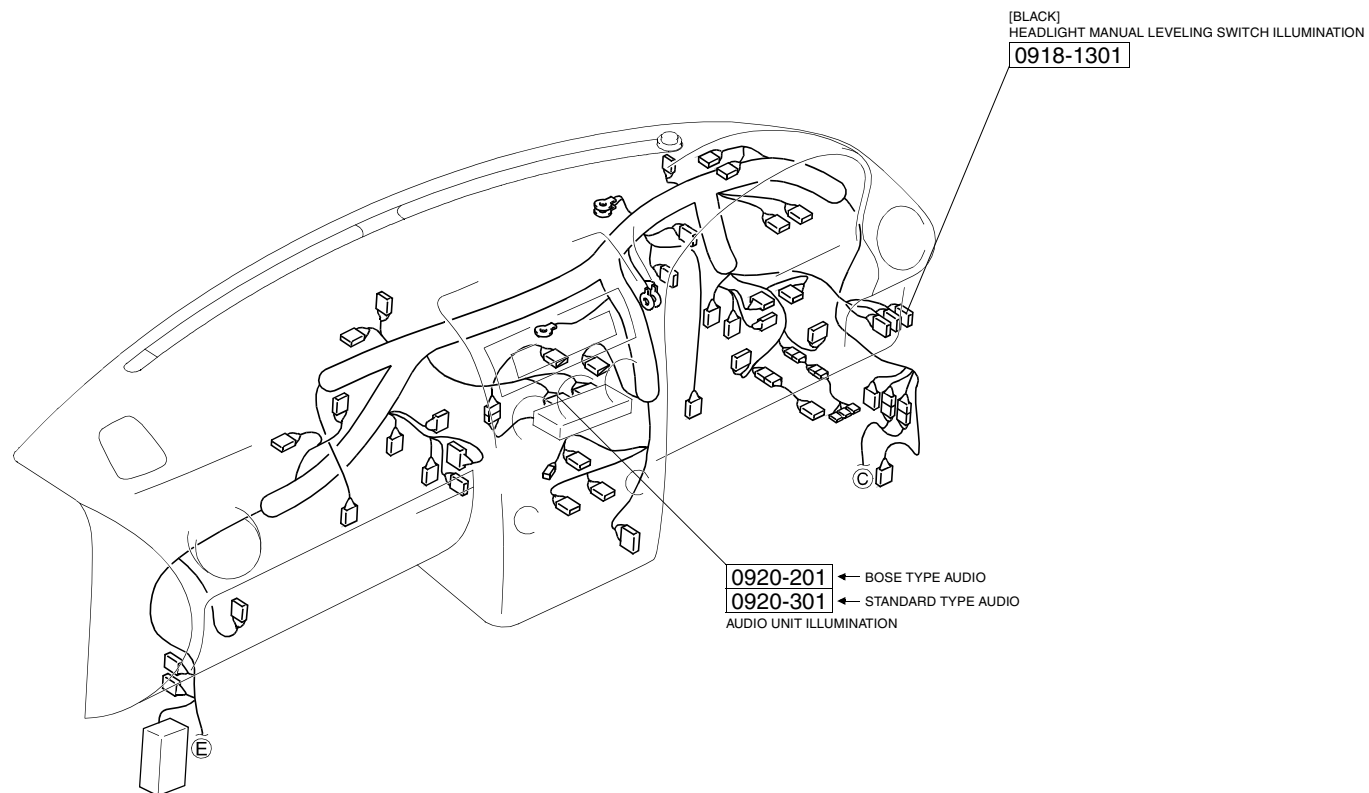
(BOSE TYPE AUDIO)

0920-301
AUDIO UNIT ILLUMINATION(I)

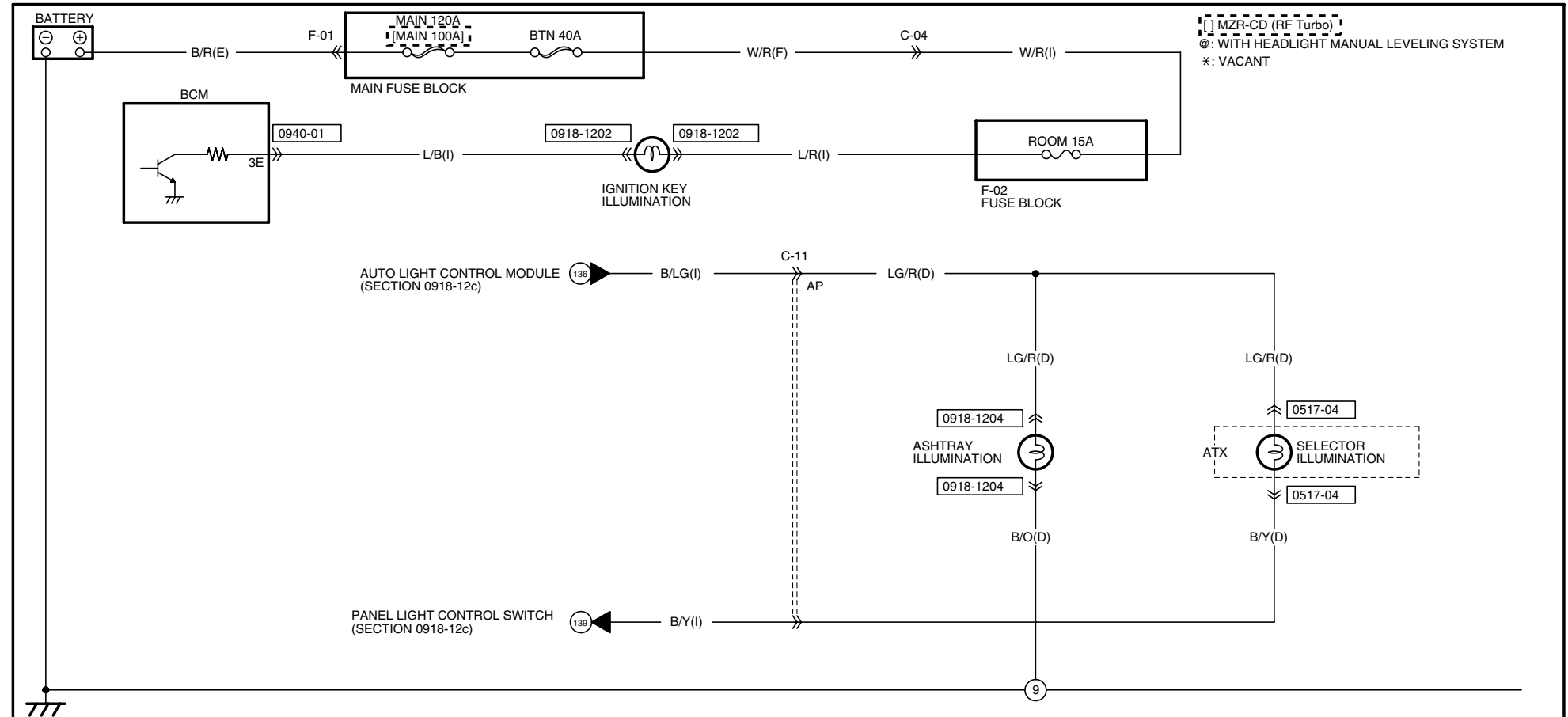


(STANDARD TYPE AUDIO)

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

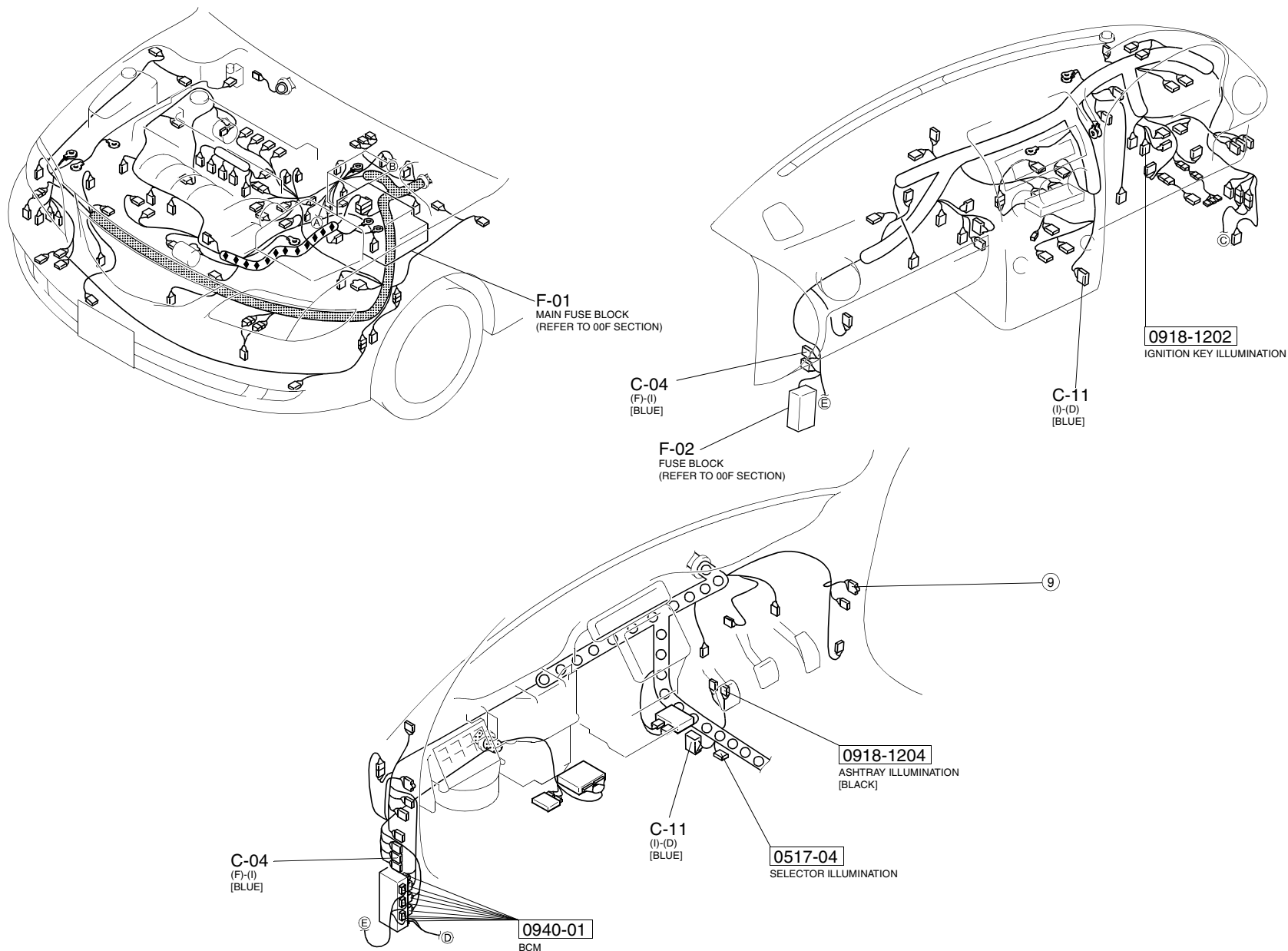


ILLUMINATION LIGHT



0918-1202 IGNITION KEY ILLUMINATION(I) 	0918-1204 ASHTRAY ILLUMINATION(D) 	0517-04 SELECTOR ILLUMINATION(D) 	0940-01 BCM 	

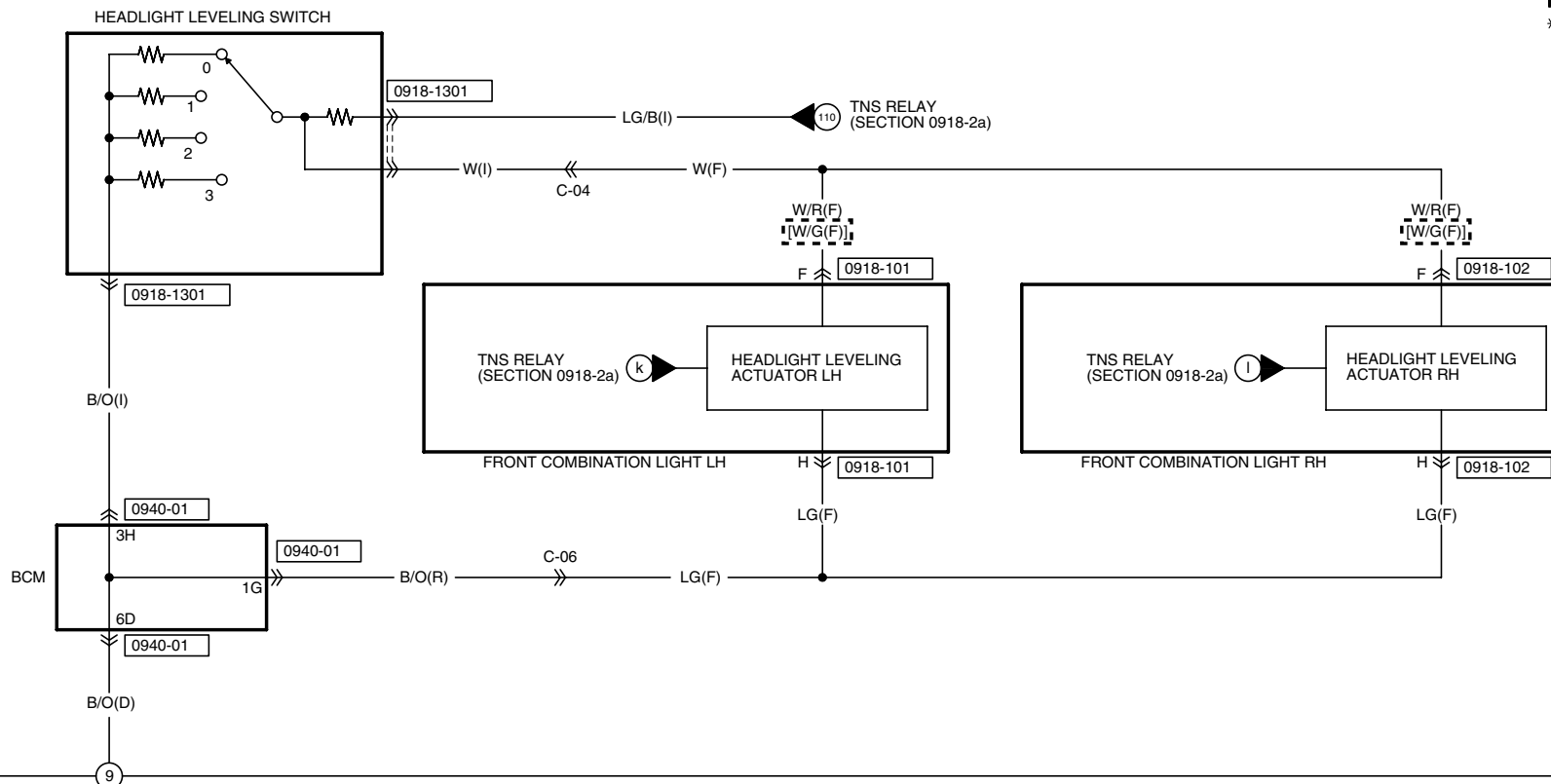
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



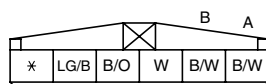
HEADLIGHT MANUAL LEVELING SYSTEM

0918-13

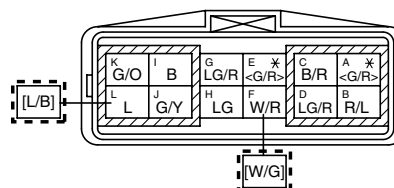
[] MZR-CD (RF Turbo)
< > NOT USED
■: WAGON
*: VACANT



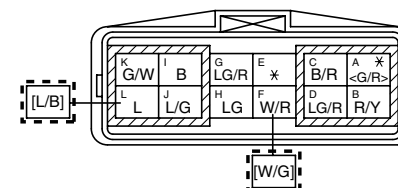
0918-1301
HEADLIGHT LEVELING SWITCH(I)



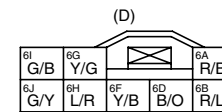
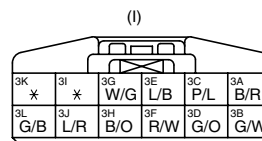
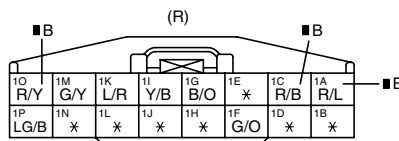
0918-101
HEADLIGHT LEVELING ACTUATOR LH(F)



0918-102
HEADLIGHT LEVELING ACTUATOR RH(F)



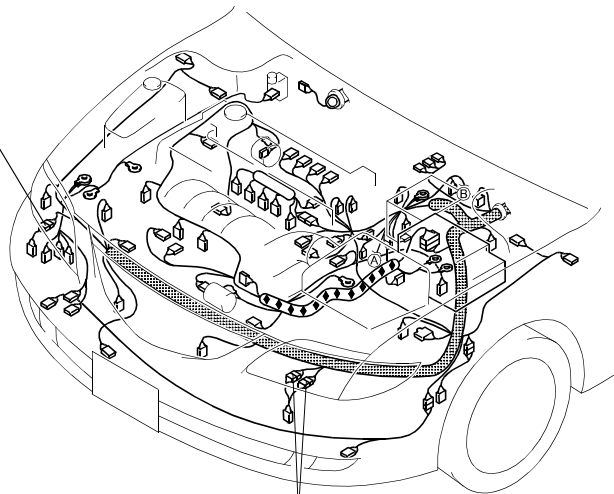
0940-01
BCM



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

[BLACK]
HEADLIGHT LEVELING ACTUATOR RH

0918-102

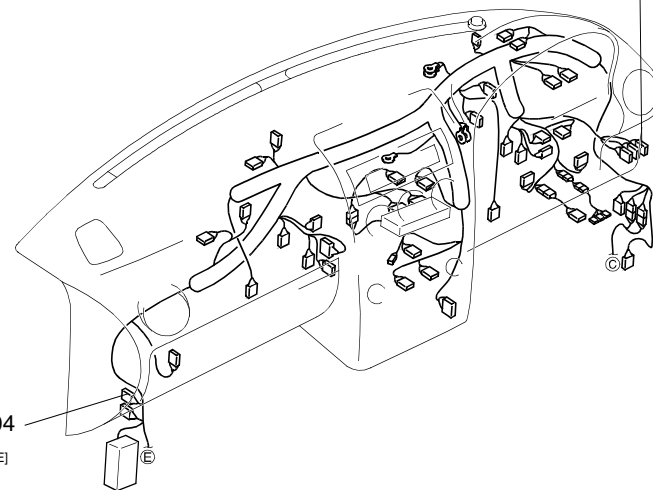


0918-101

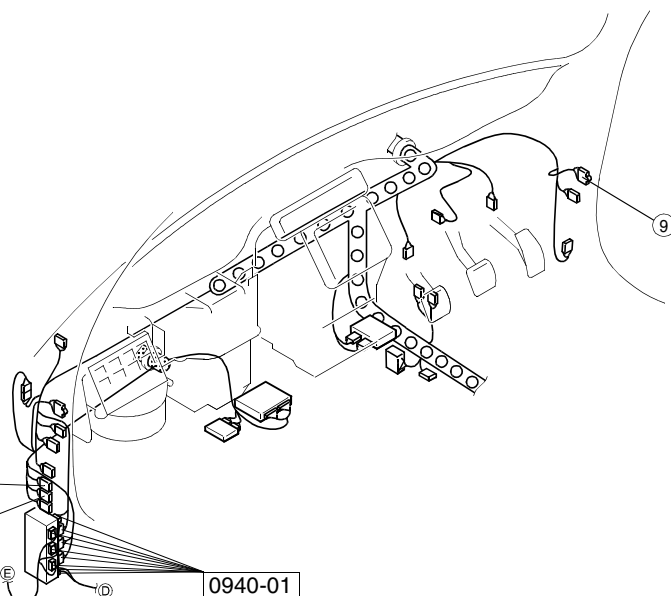
HEADLIGHT LEVELING ACTUATOR LH

[BLACK]
HEADLIGHT LEVELING SWITCH

0918-1301



C-04
(F)-(I)
[BLUE]

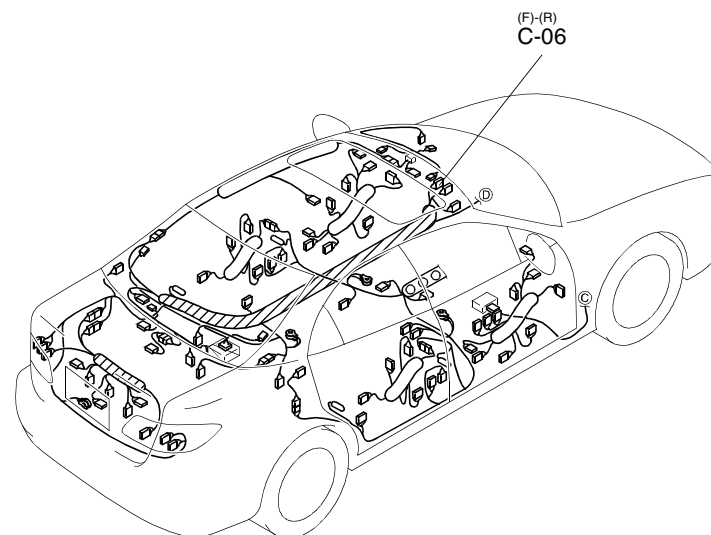


C-06
(F)-(R)

C-04
(F)-(I)
[BLUE]

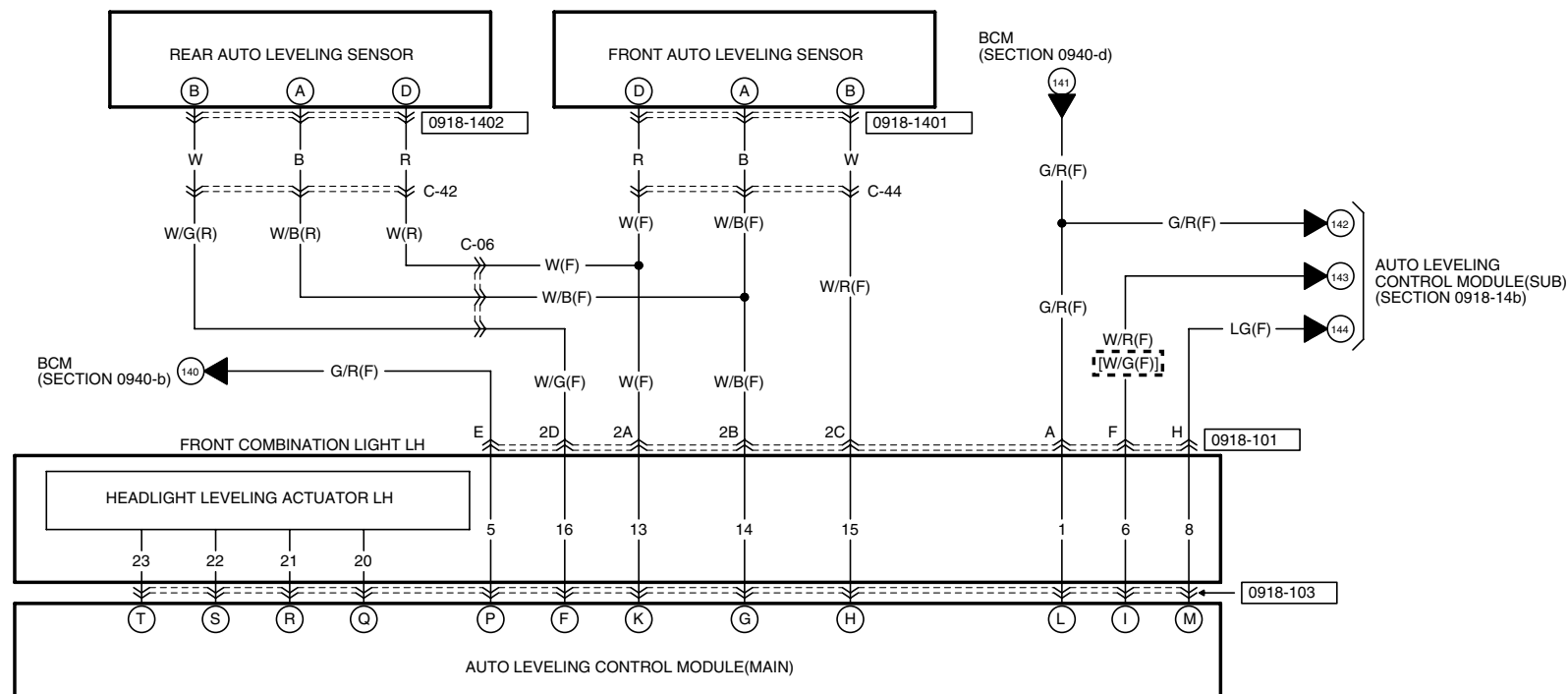
0940-01

BCM

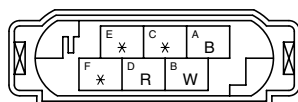


(F)-(R)
C-06

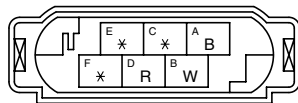
MZR-CD (RF Turbo)
*: VACANT



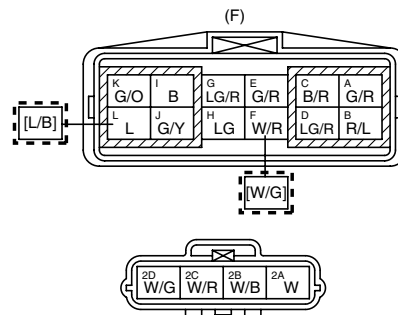
0918-1401
FRONT AUTO LEVELING SENSOR(SHORT CORD)



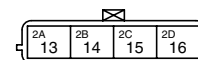
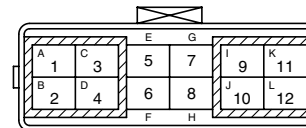
0918-1402
REAR AUTO LEVELING SENSOR(SHORT CORD)



0918-101
FRONT-FRONT COMBINATION LIGHT LH

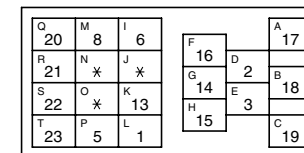


(FRONT COMBINATION LIGHT LH)



TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

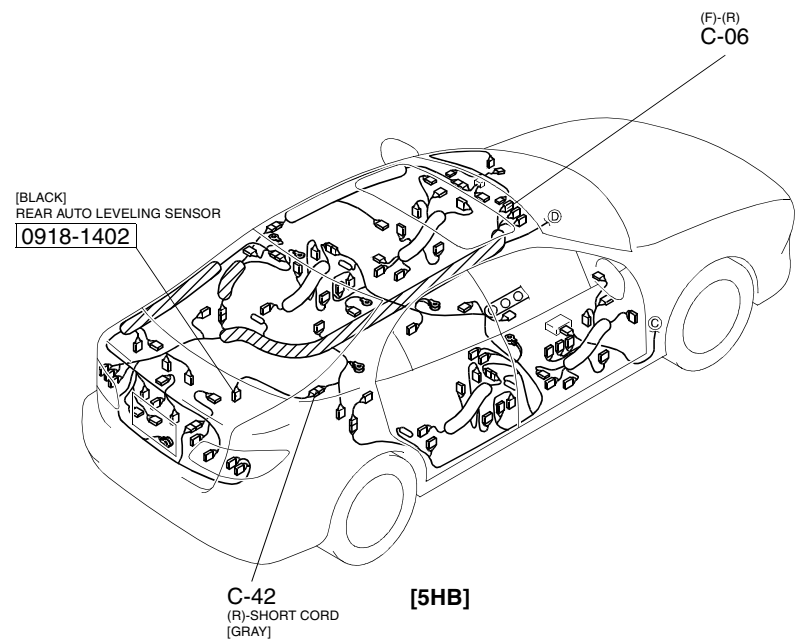
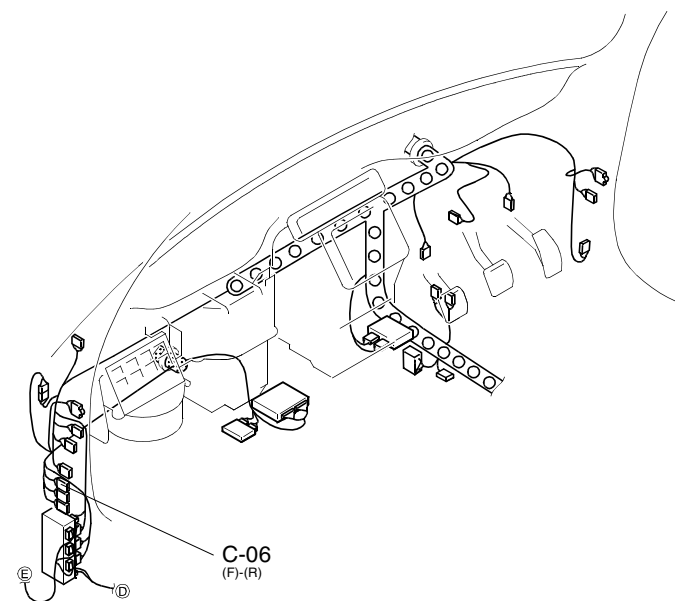
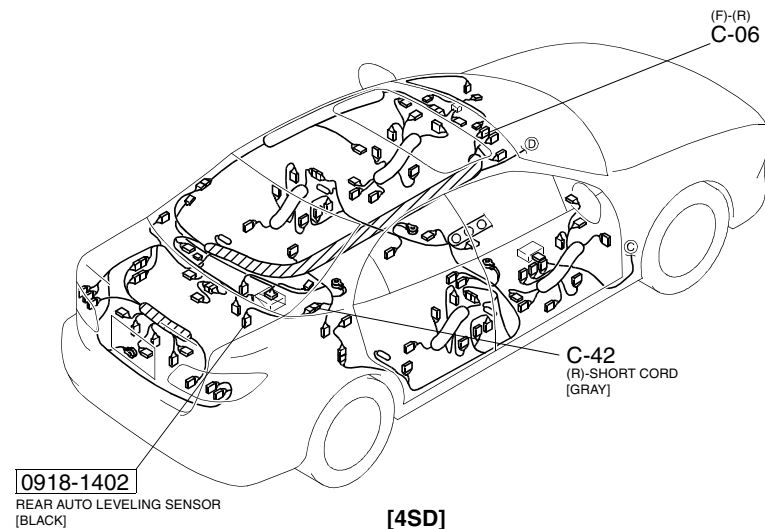
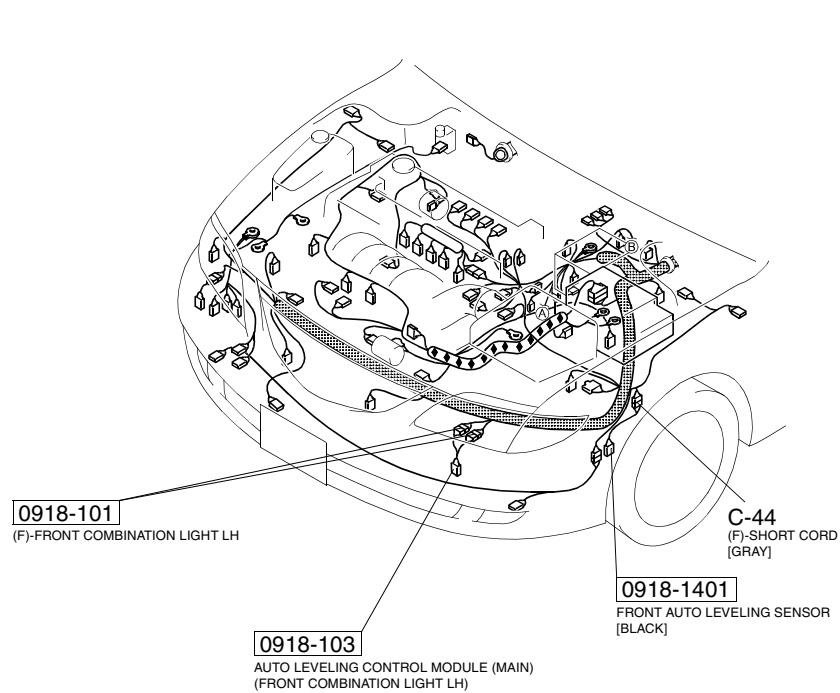
0918-103
AUTO LEVELING CONTROL MODULE(MAIN)
(FRONT COMBINATION LIGHT LH)



NOTE:SEEN FROM TERMINAL SIDE

TERMINALS OF THIS CONNECTOR ARE
INDICATED BY NUMBERS.

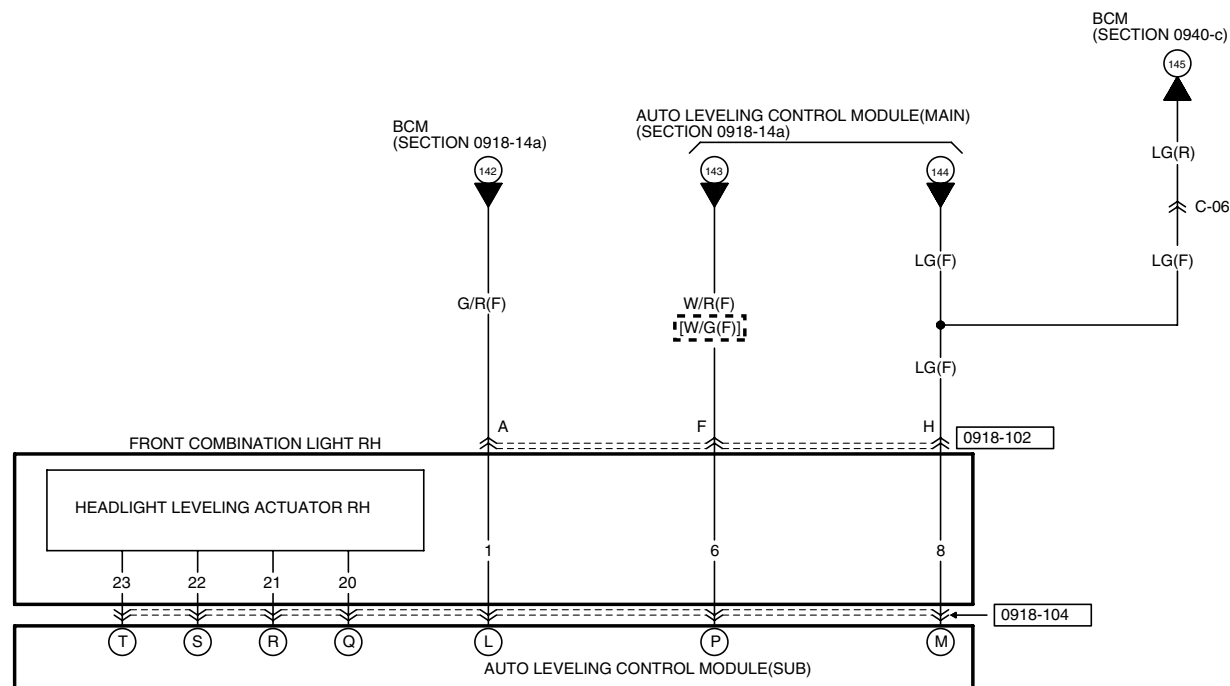
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



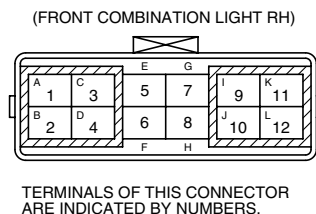
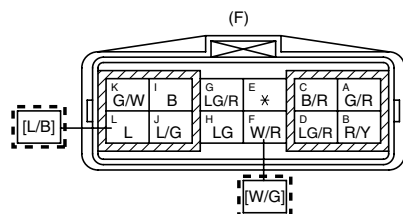
HEADLIGHT AUTO LEVELING SYSTEM

0918-14b

[] MZR-CD (RF Turbo)
*: VACANT

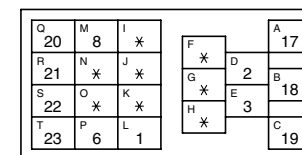


0918-102
FRONT(F)-FRONT COMBINATION LIGHT RH



TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

0918-104
AUTO LEVELING CONTROL MODULE(SUB)(FRONT COMBINATION LIGHT RH)



NOTE:SEEN FROM TERMINAL SIDE

TERMINALS OF THIS CONNECTOR ARE INDICATED BY NUMBERS.

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

[BLACK]
(F)-FRONT COMBINATION LIGHT RH
0918-102

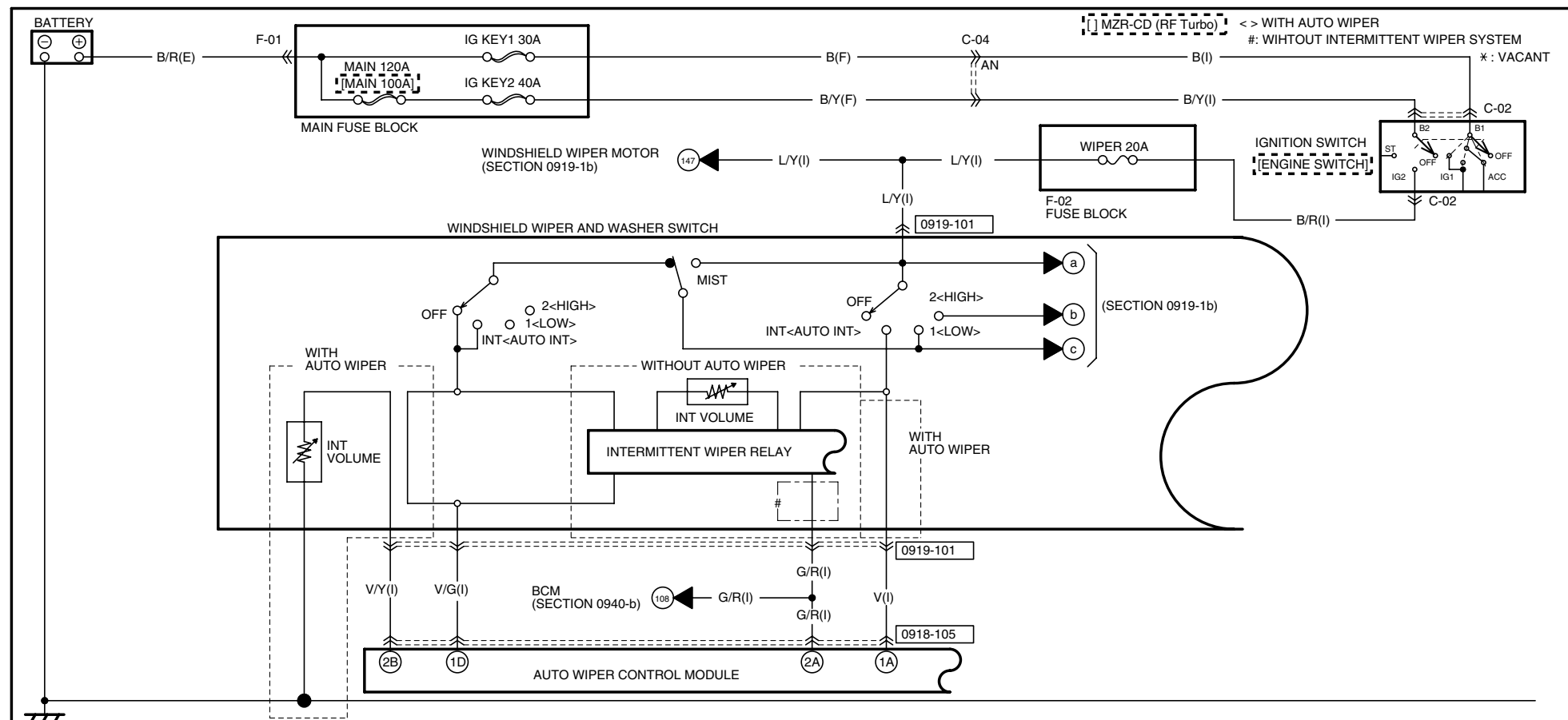
0918-104
AUTO LEVELING CONTROL MODULE (SUB)
(FRONT COMBINATION LIGHT RH)

C-06
(F)-(R)

(F)-(R)
C-06

WINDSHIELD WIPER AND WASHER

0919-1a



0919-101
WINDSHIELD WIPER AND WASHER SWITCH(I)

Y/R	B/L	GY		L/Y	V/G	L/O
V	G/R	L/R	P/L	L/B	B/Y	V/Y

(WIPER AND WASHER SWITCH LEFT SIDE)

L/O	V/G	L/Y		GY	B/L	Y/R
*	V/Y	B/Y	L/B	P/L	L/R	G/R

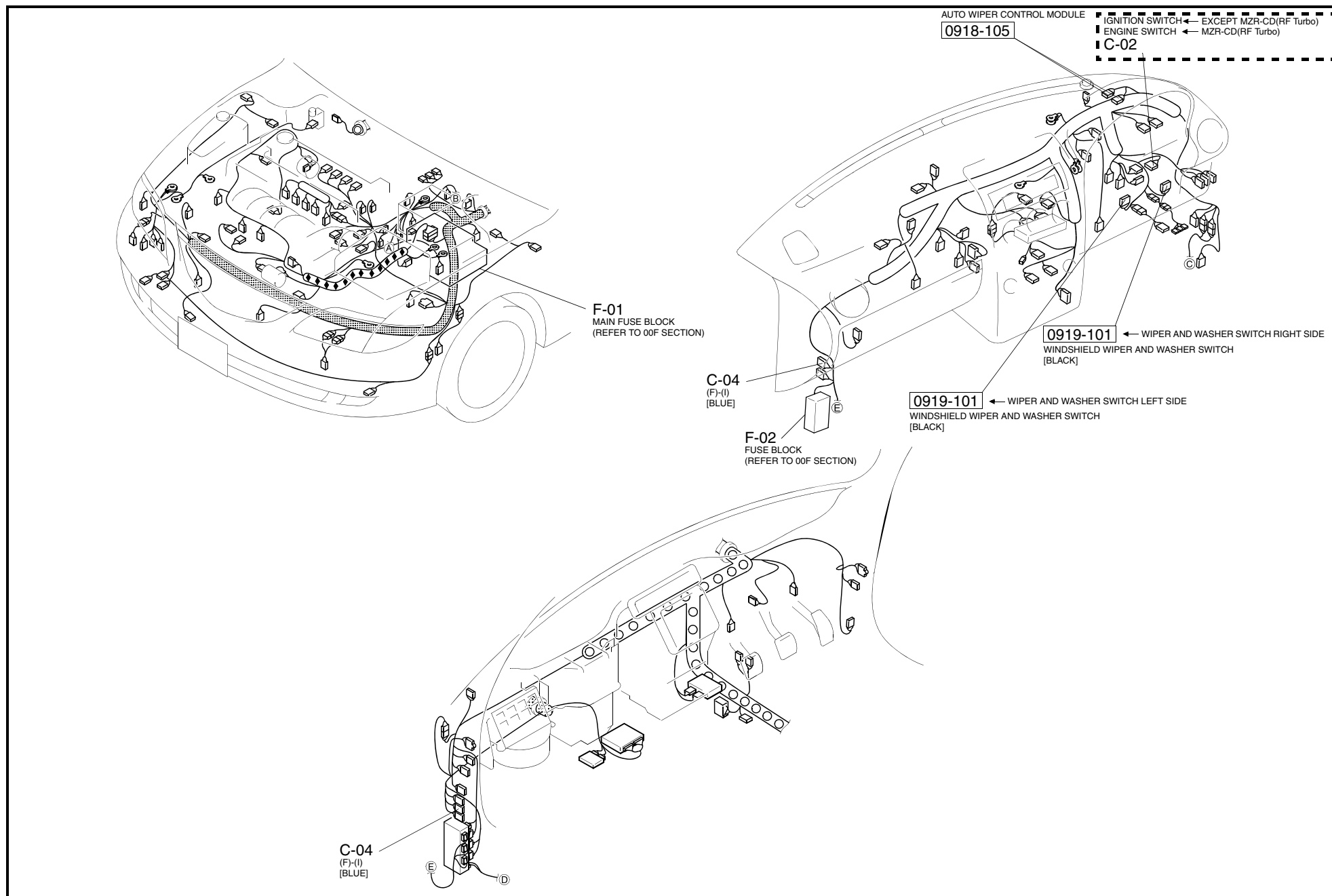
(WIPER AND WASHER SWITCH RIGHT SIDE)

0918-105
AUTO WIPER CONTROL MODULE(I)

1K	1I	1G	1E	1C	1A
L/O	LG	B/Y	LG/R	Y/R	V
1L	1J	1H	1F	1D	1B
L/Y	LG/B	G/Y	B/W	V/G	GY/B

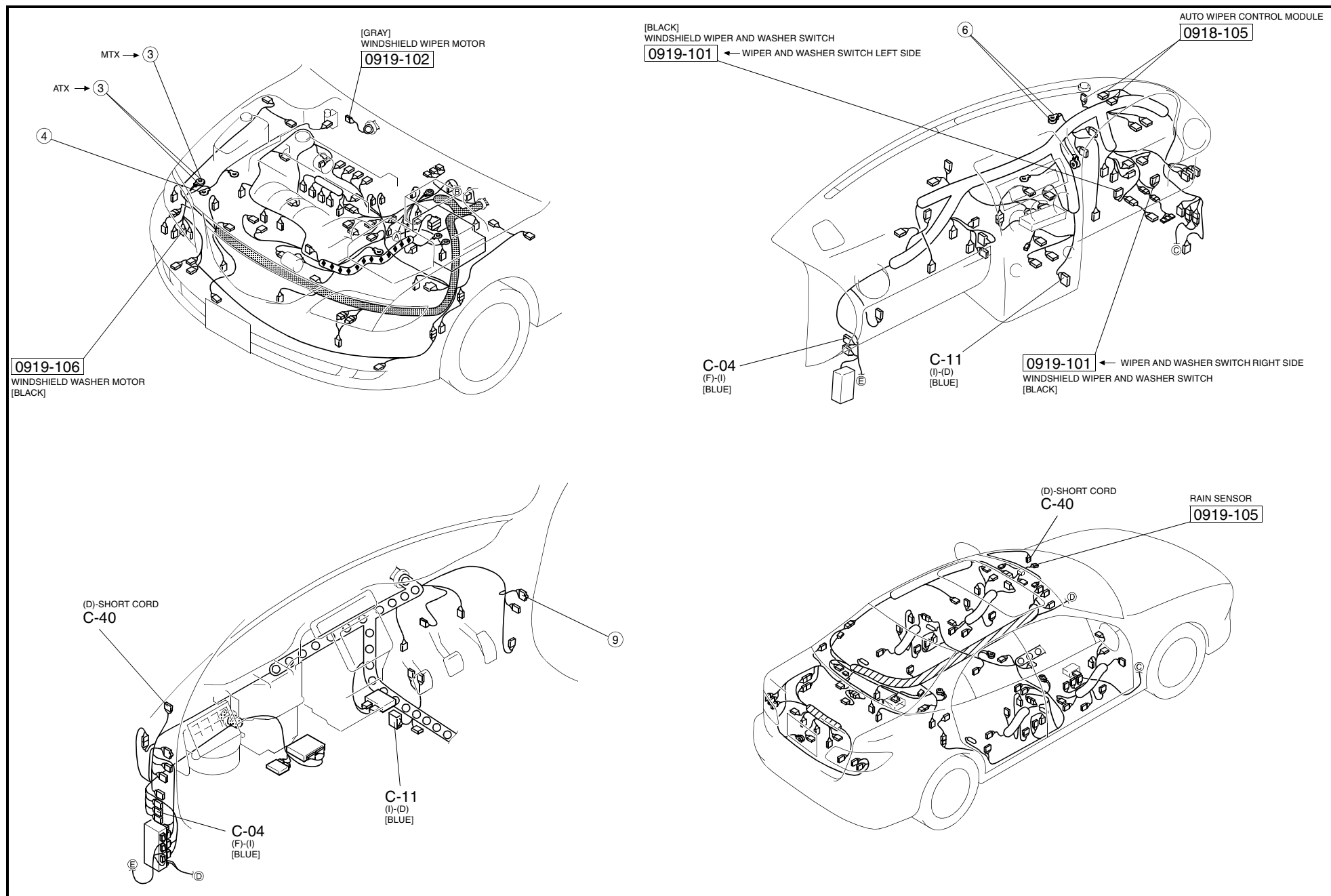
2O	2M	2K	2I	2G	2E	2C	2A
*	BR/B	Y	L/R	BR/R	V/W	G/B	G/R
2P	2N	2L	2J	2H	2F	2D	2B
*	O/B	P/L	L/Y	V/R	LG	L/O	V/Y

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

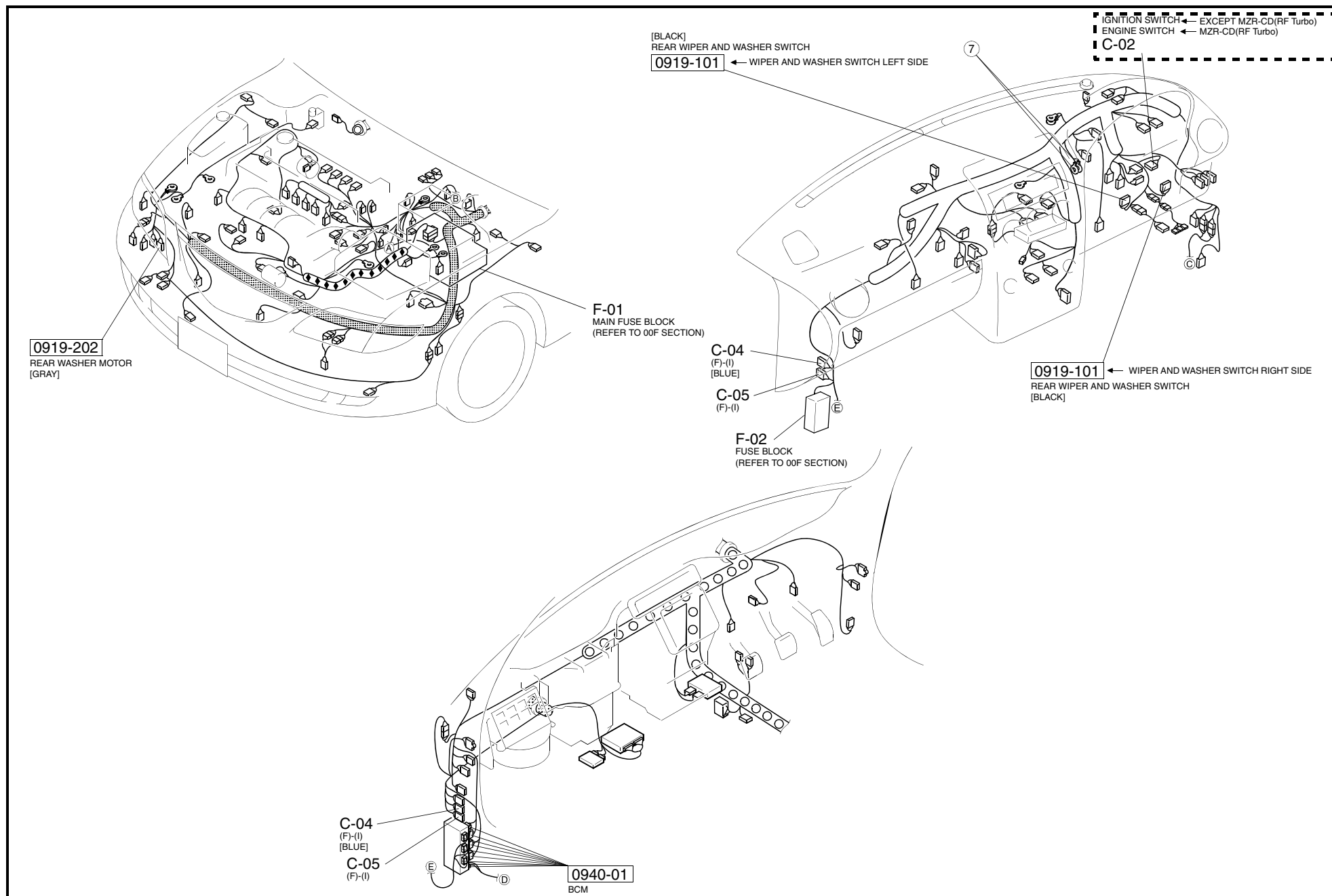




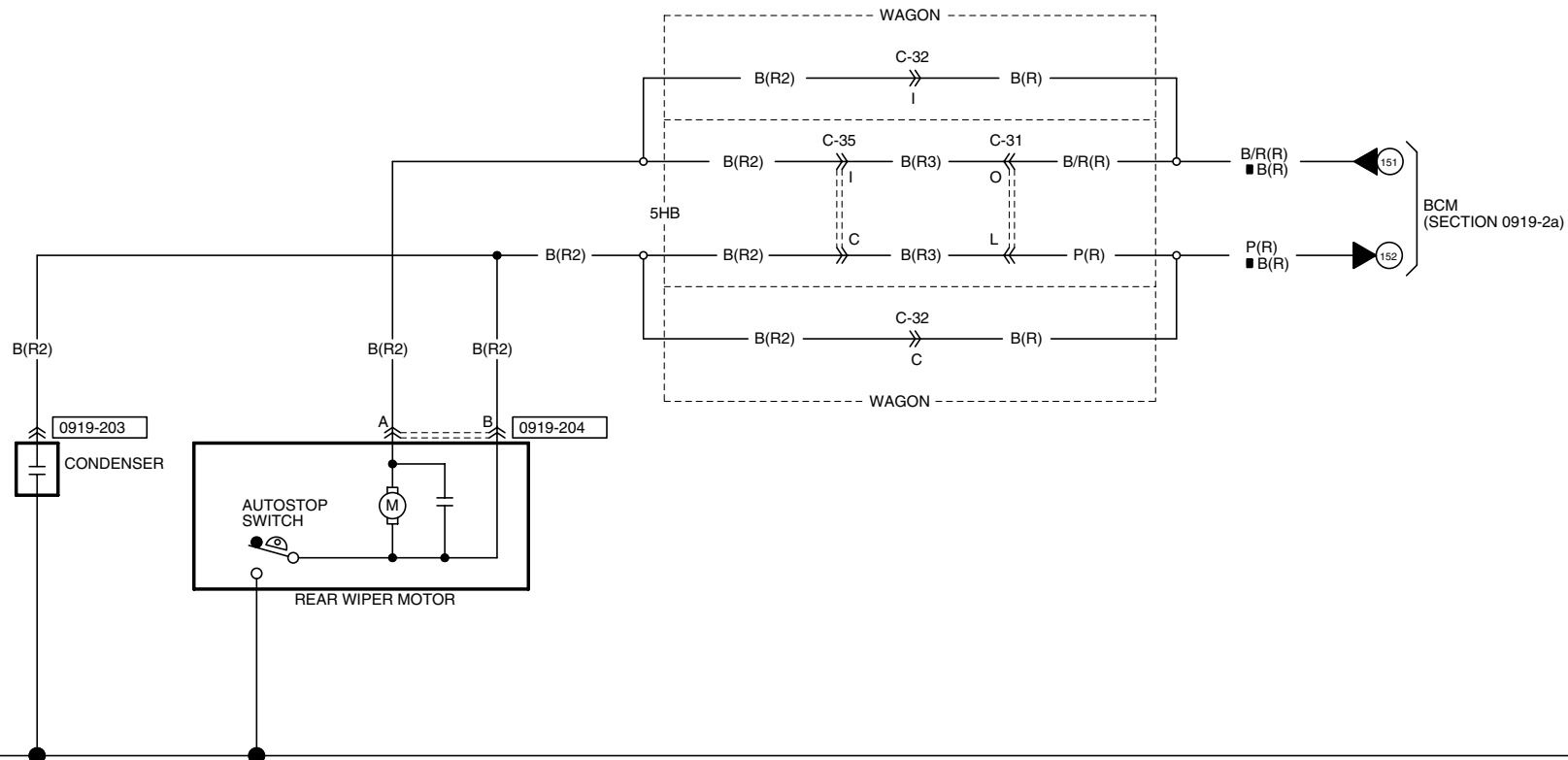
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



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



■: WAGON



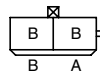
200

TTT

0919-203
CONDENSER(R2)

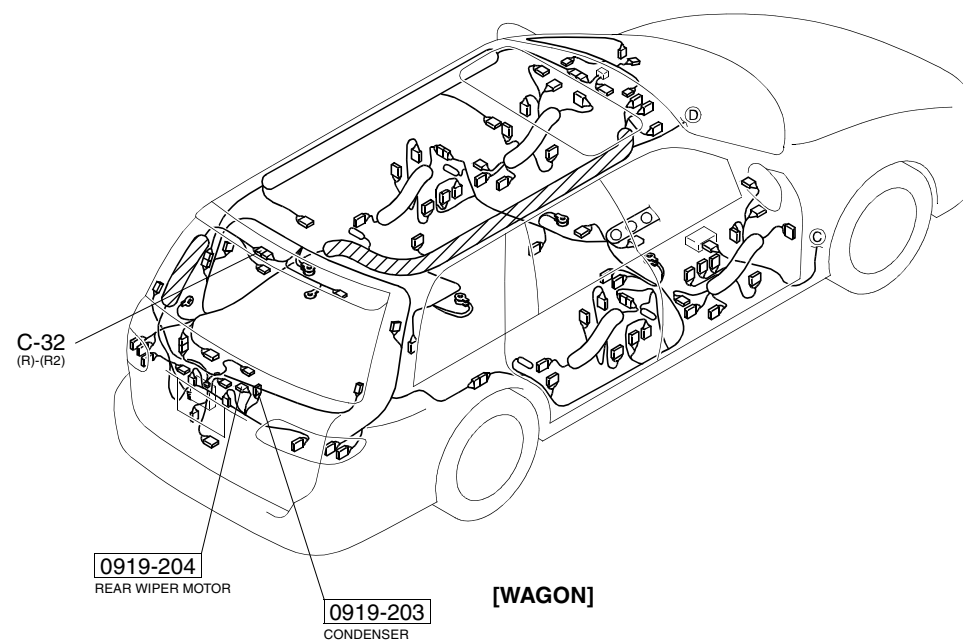
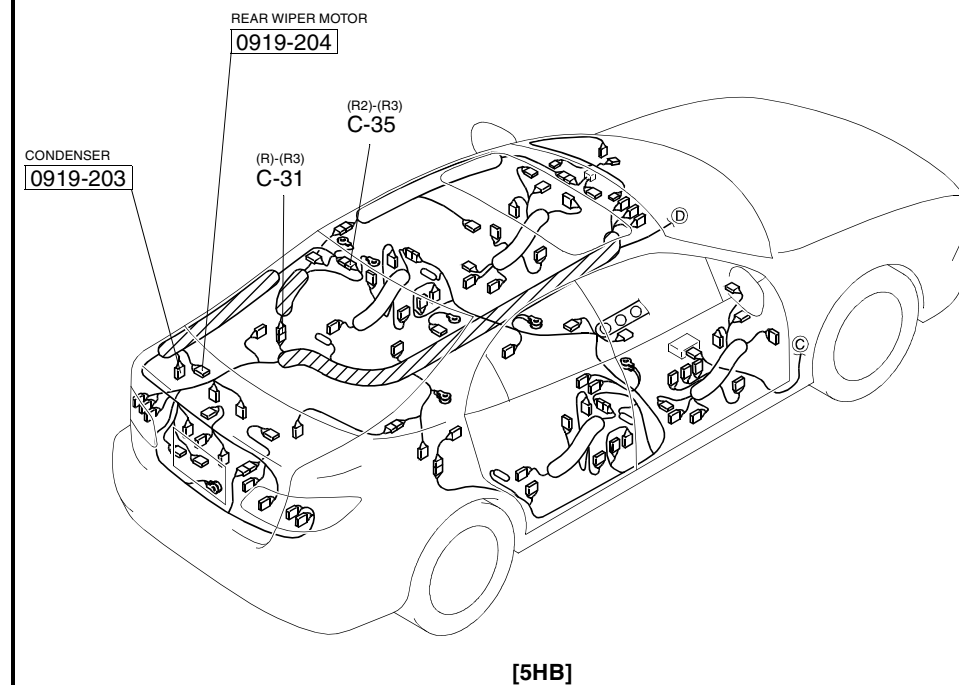


0919-204
REAR WIPER MOTOR(R2)



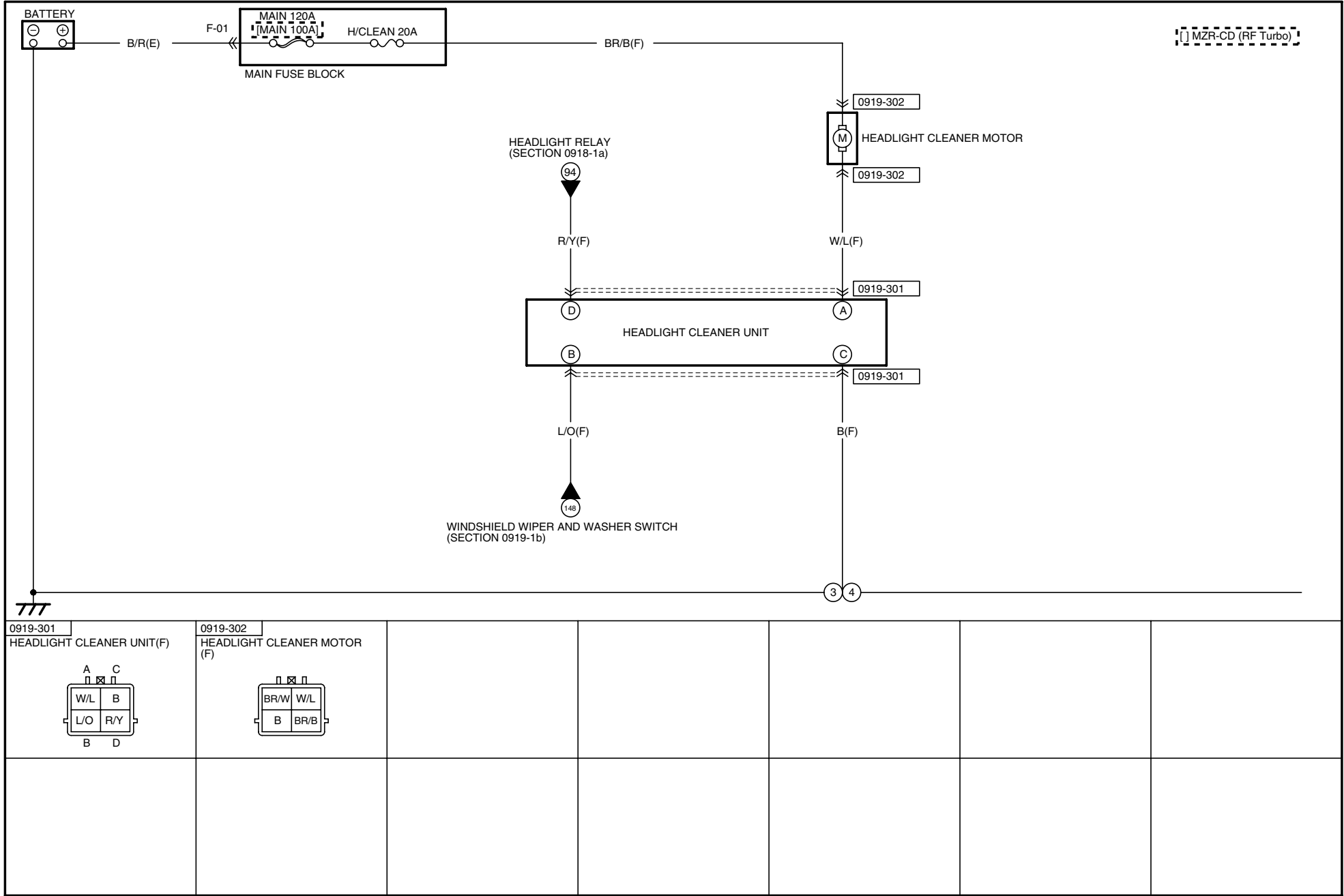
HARNESS SYMBOL :  (F)  (E)  (D)  (R)

201

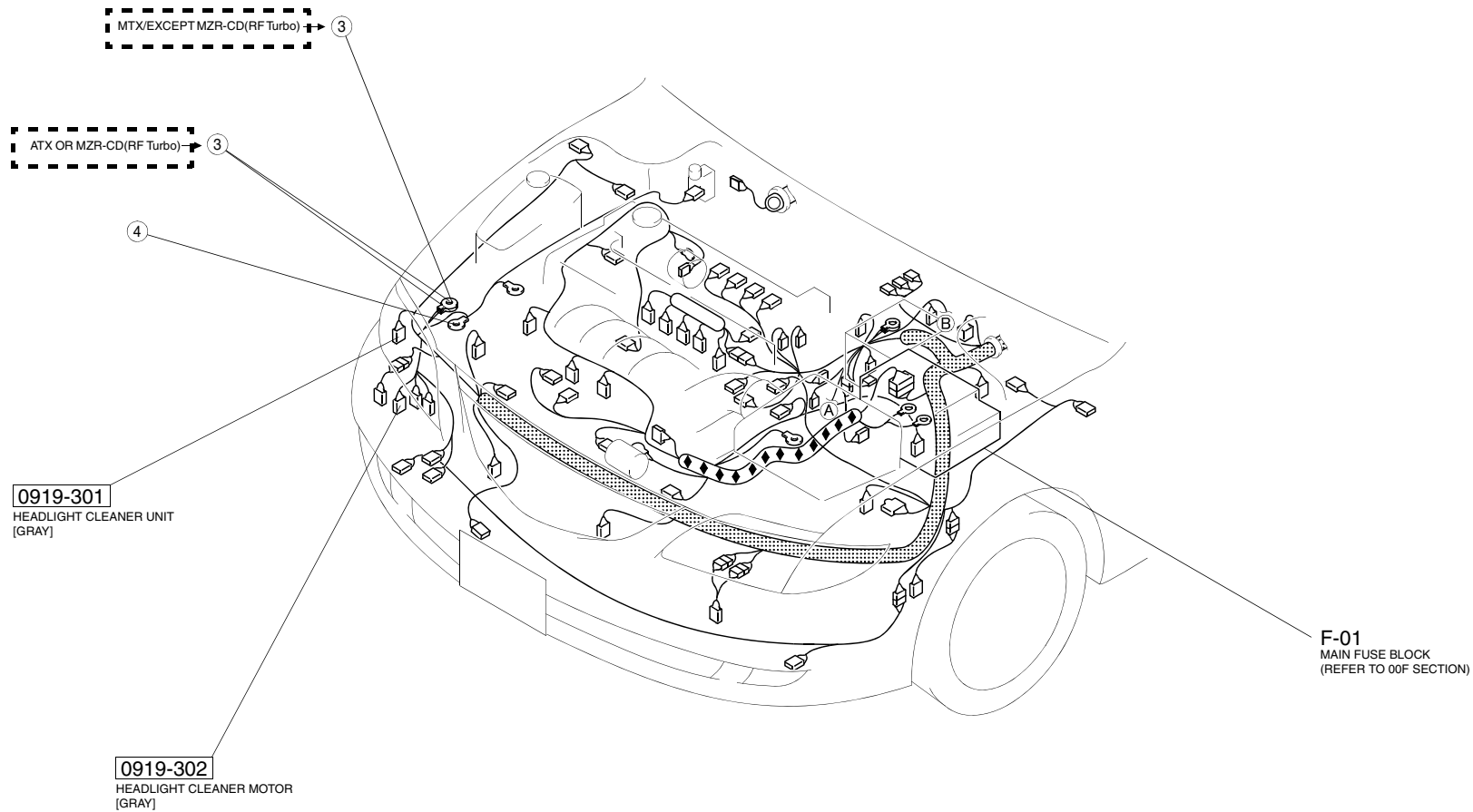


HEADLIGHT CLEANER

0919-3

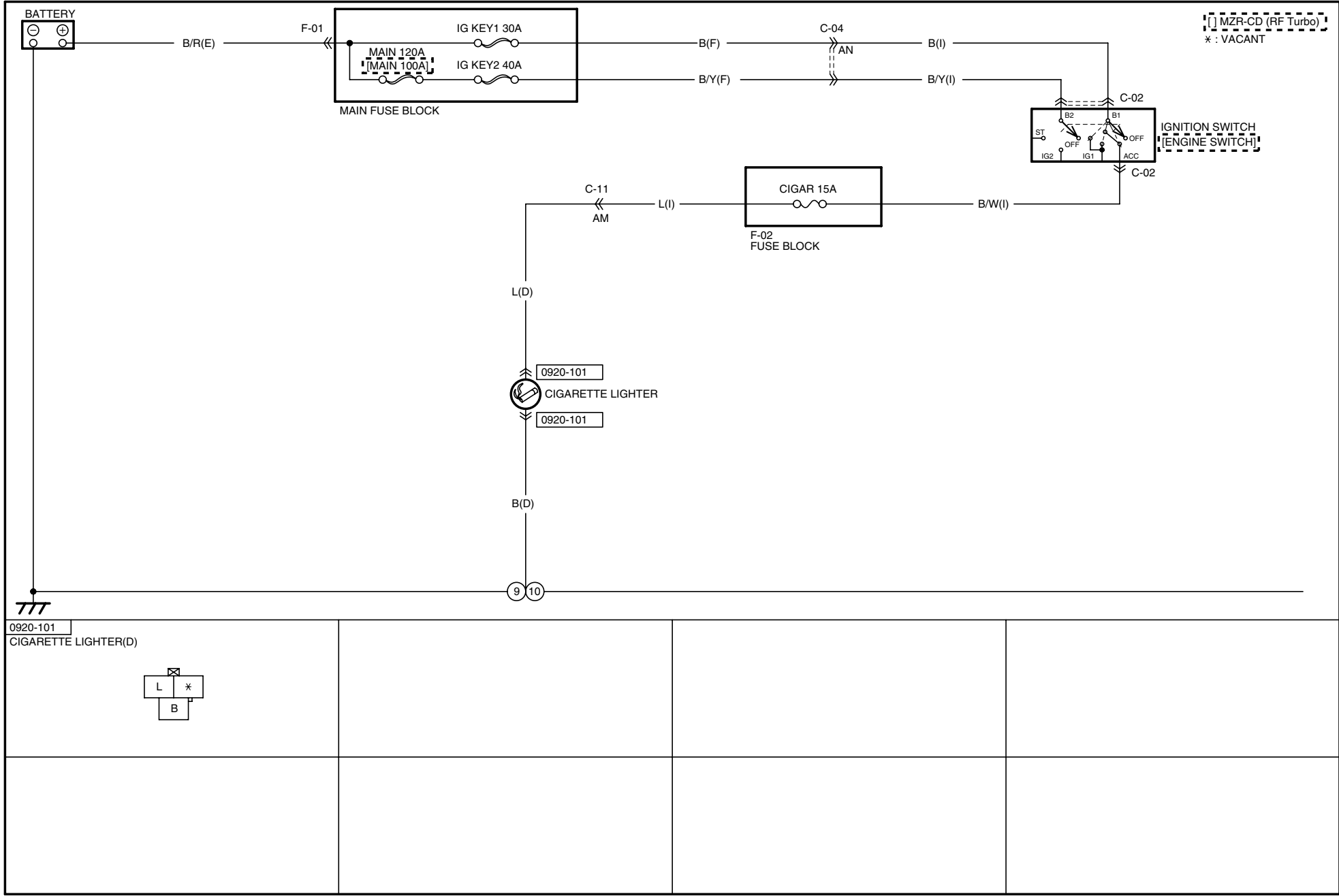


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

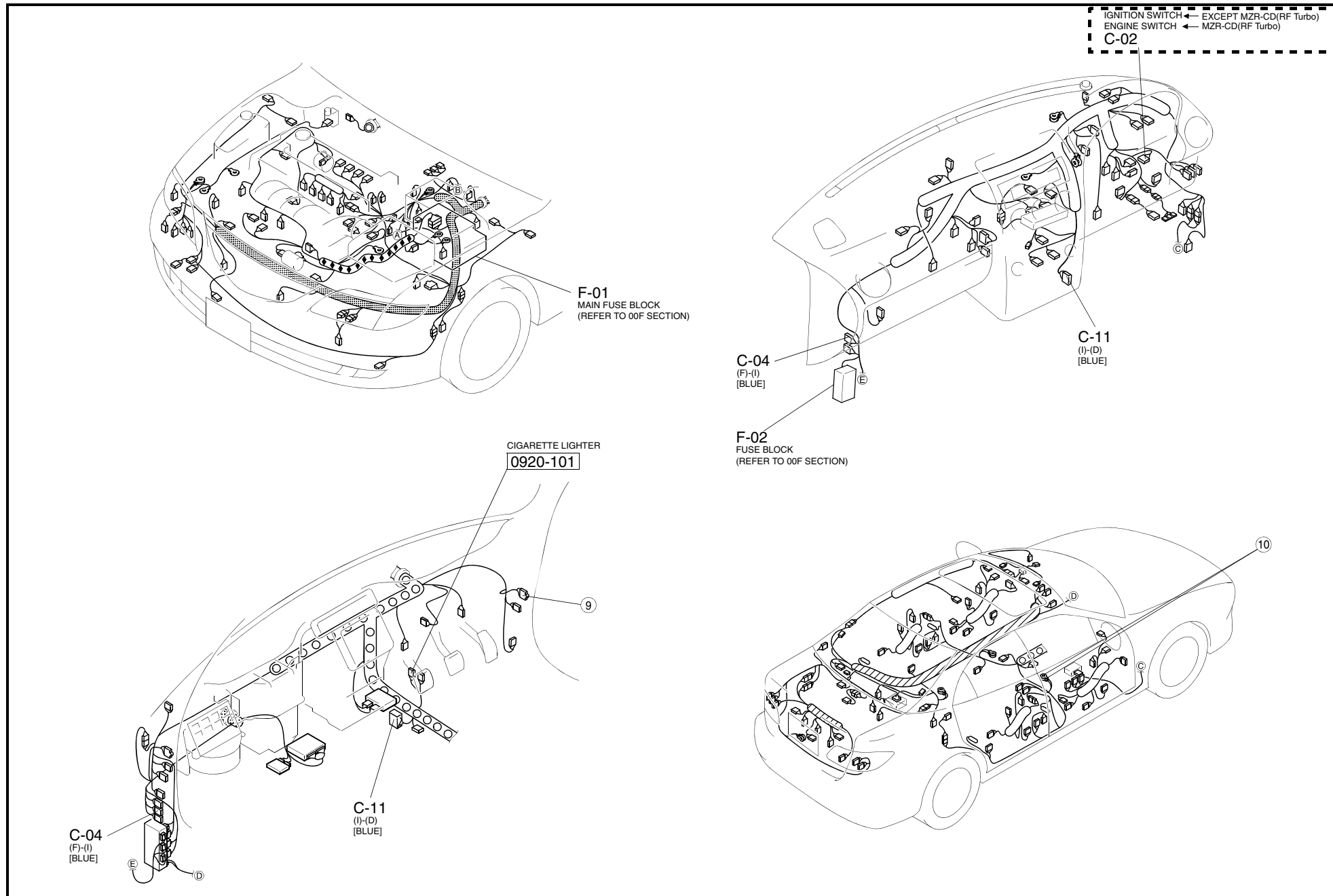


CIGARETTE LIGHTER

0920-1



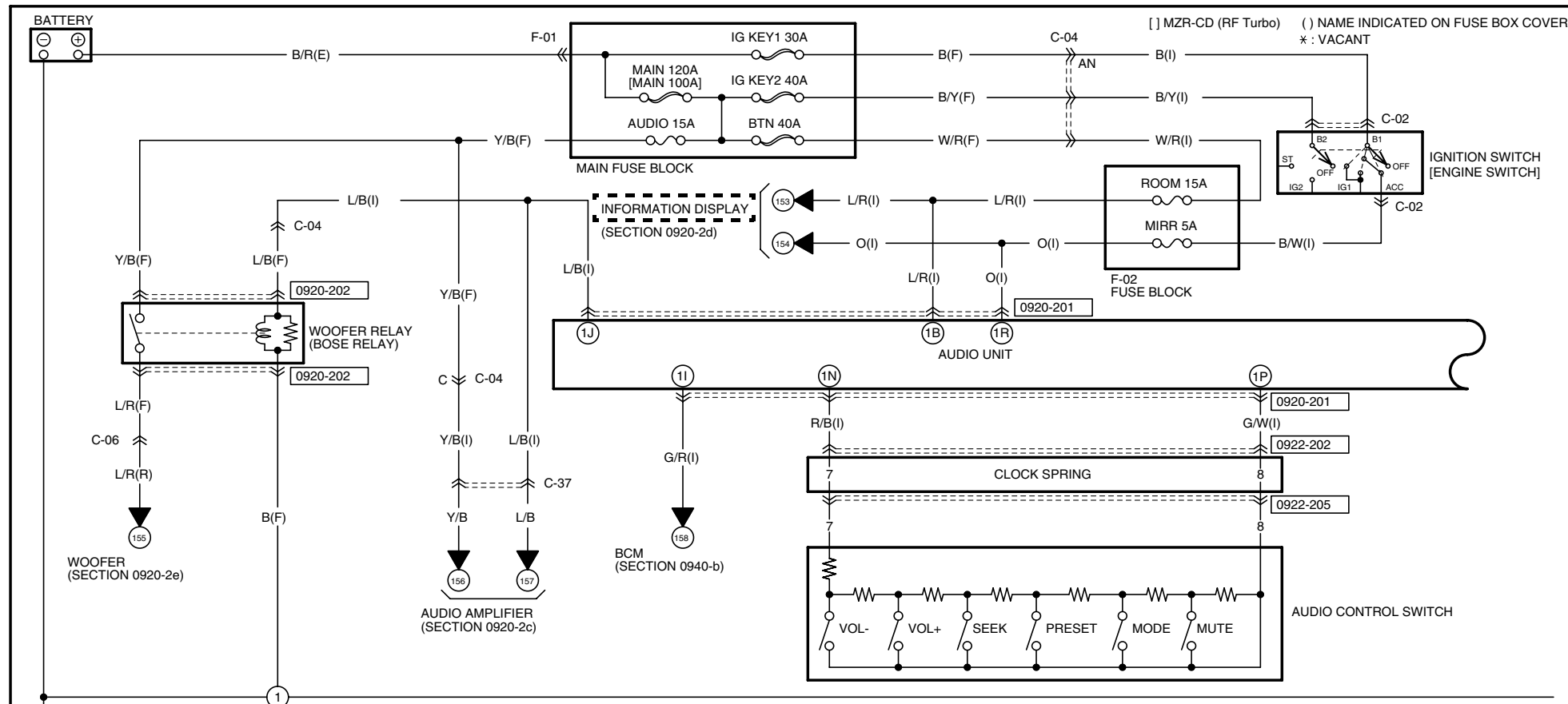
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



Mazda6 Wiring Diagram (5645-1*-05F)

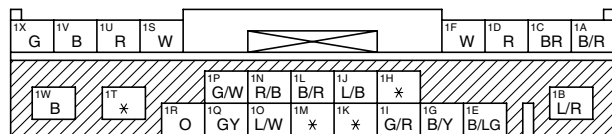
AUDIO SYSTEM (BOSE TYPE AUDIO)

0920-2a

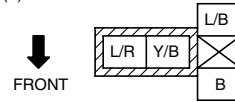


TTT

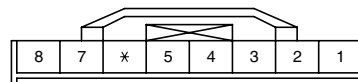
0920-201
AUDIO UNIT(I)



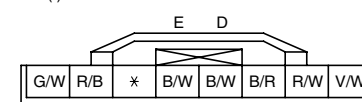
0920-202
WOOFER RELAY(F)



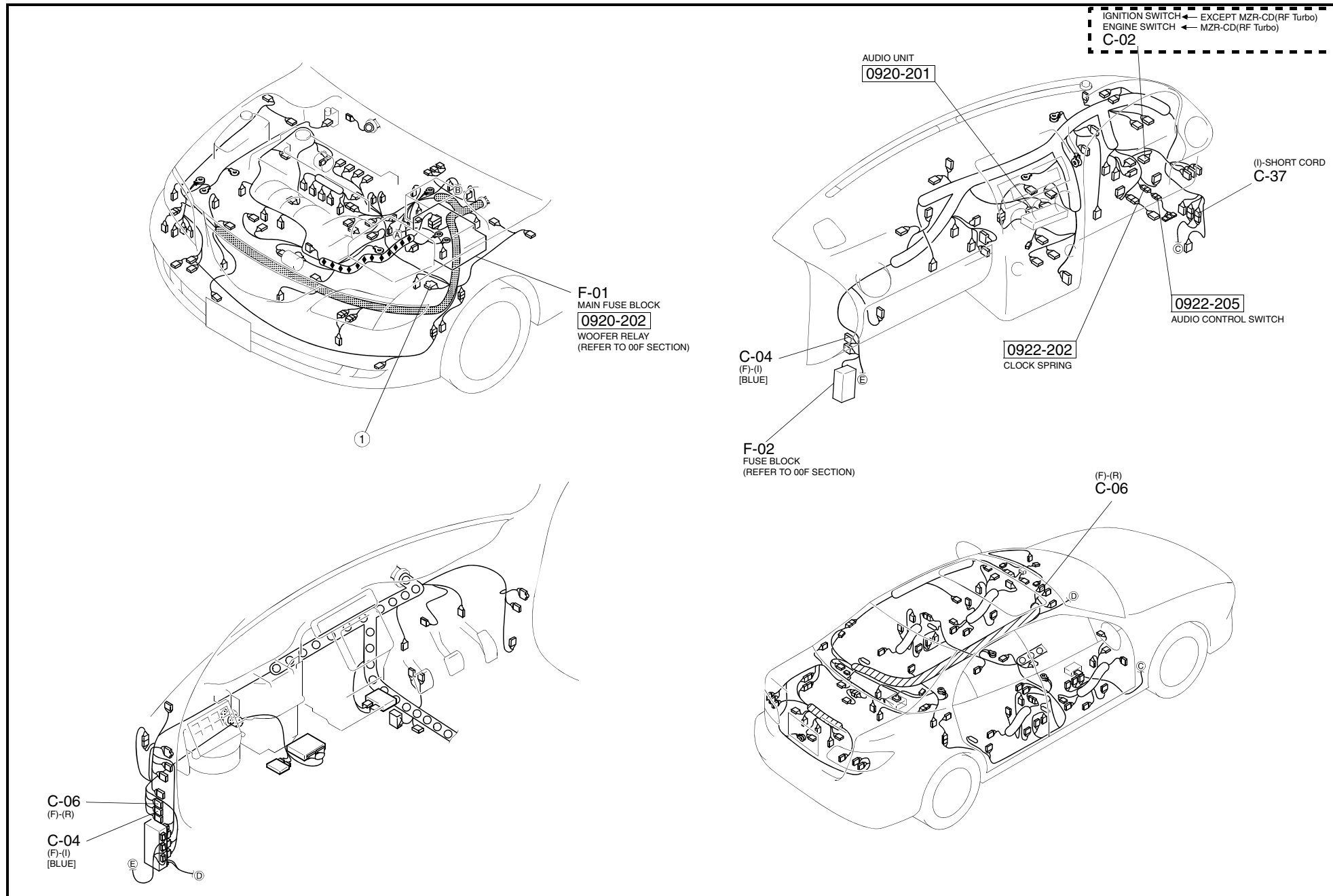
0922-205
AUDIO CONTROL SWITCH (CLOCK SPRING)



0922-202
CLOCK SPRING(I)

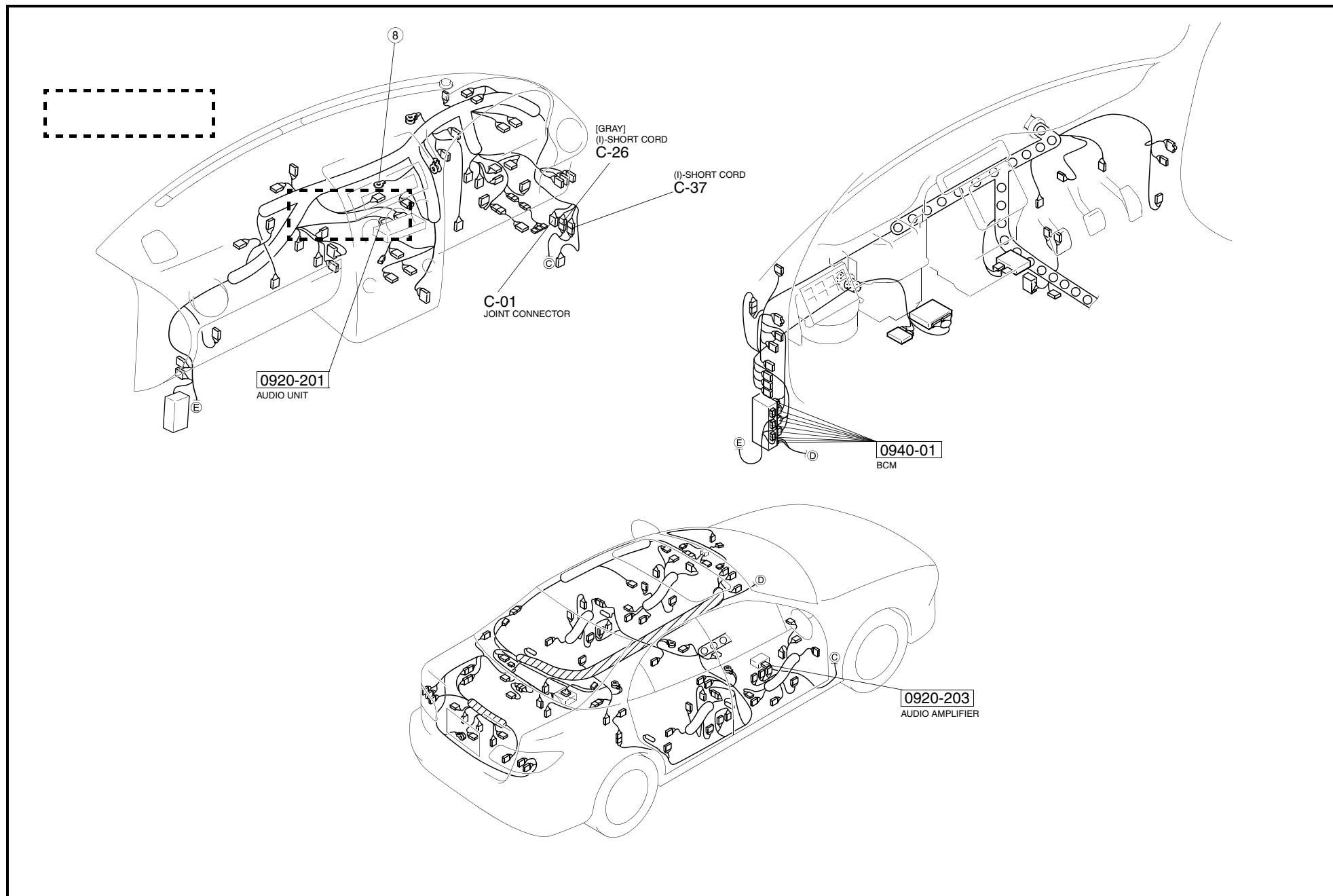


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

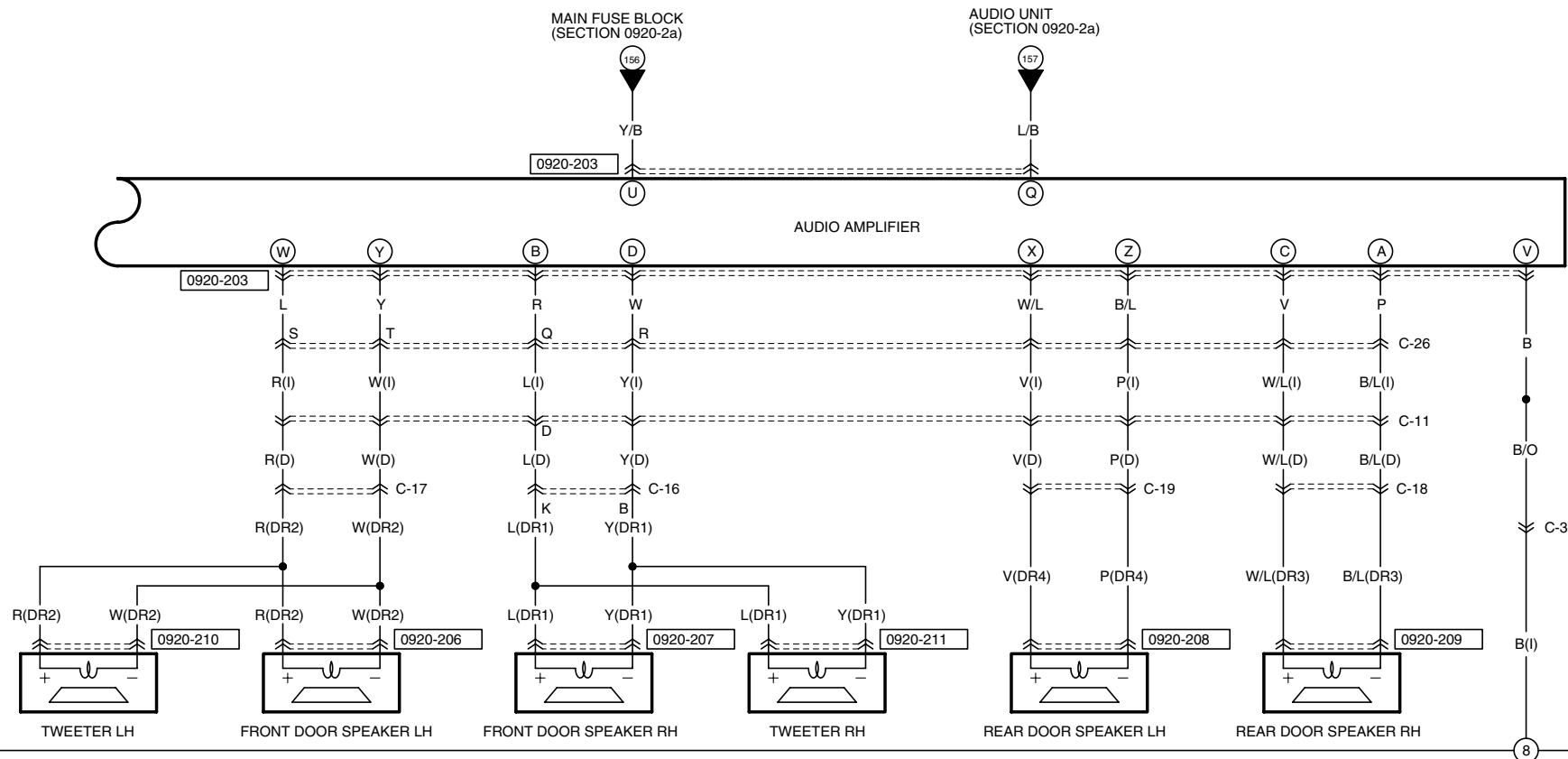


Mazda6 Wiring Diagram (5645-1*-05F)

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



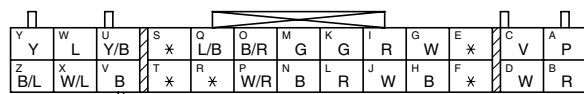
* : VACANT



TTT

0920-203

AUDIO AMPLIFIER(SHORT CORD)



0920-210

TWEETER LH(DR2)



0920-211

TWEETER RH(DR1)



0920-206

FRONT DOOR SPEAKER LH (DR2)



0920-207

FRONT DOOR SPEAKER RH (DR1)



0920-208

REAR DOOR SPEAKER LH (DR4)

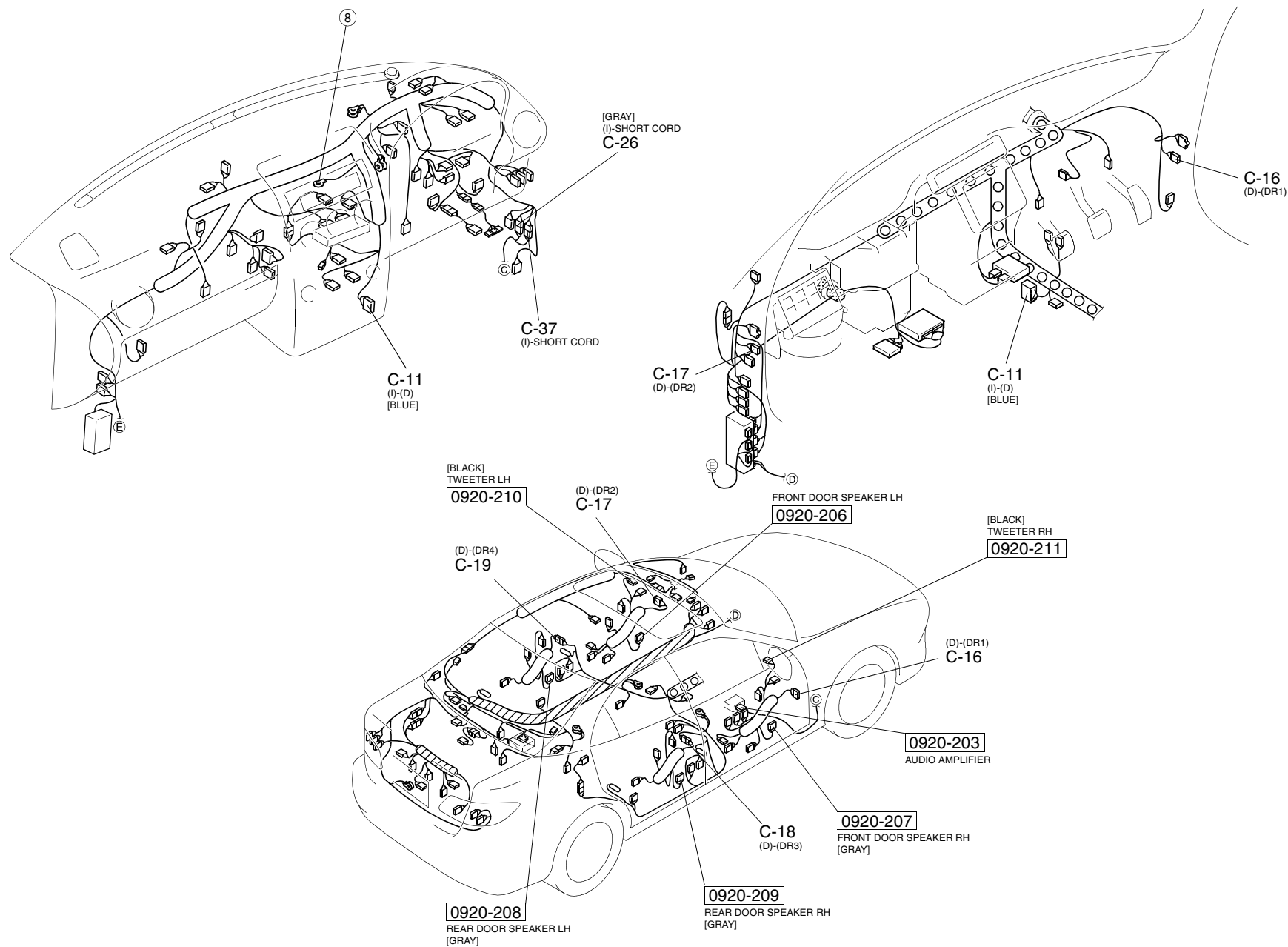


0920-209

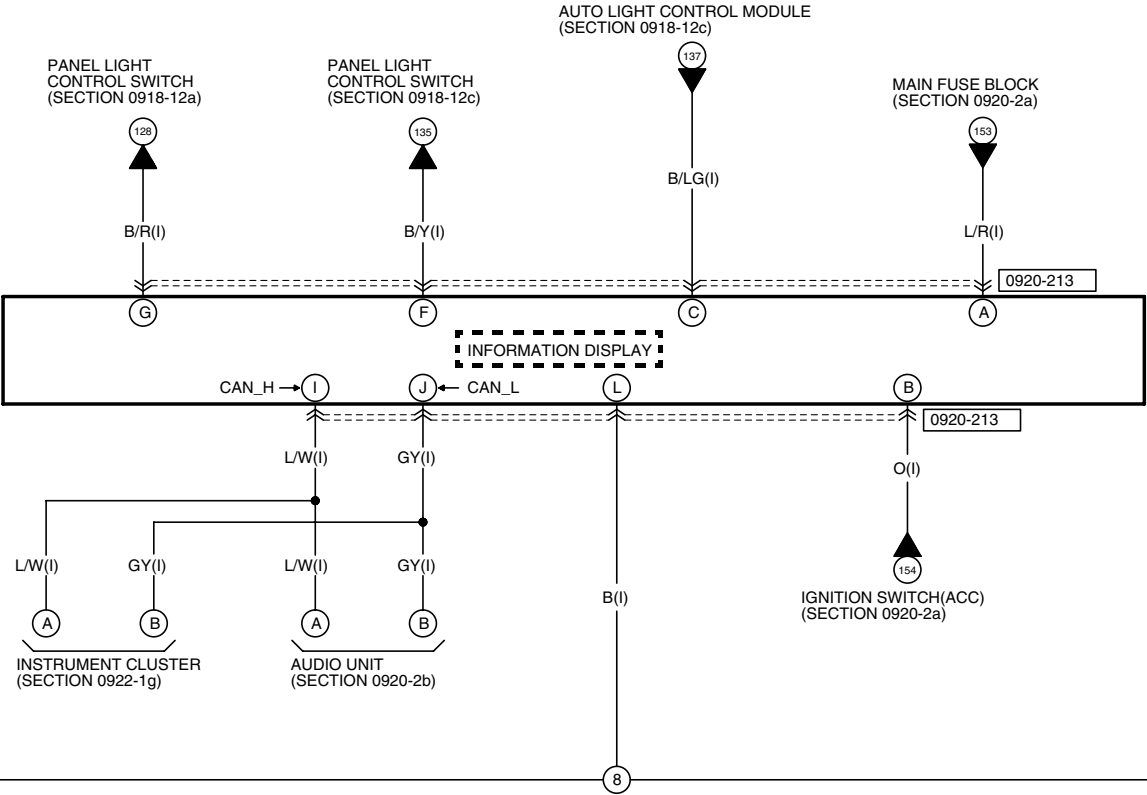
REAR DOOR SPEAKER RH (DR3)



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

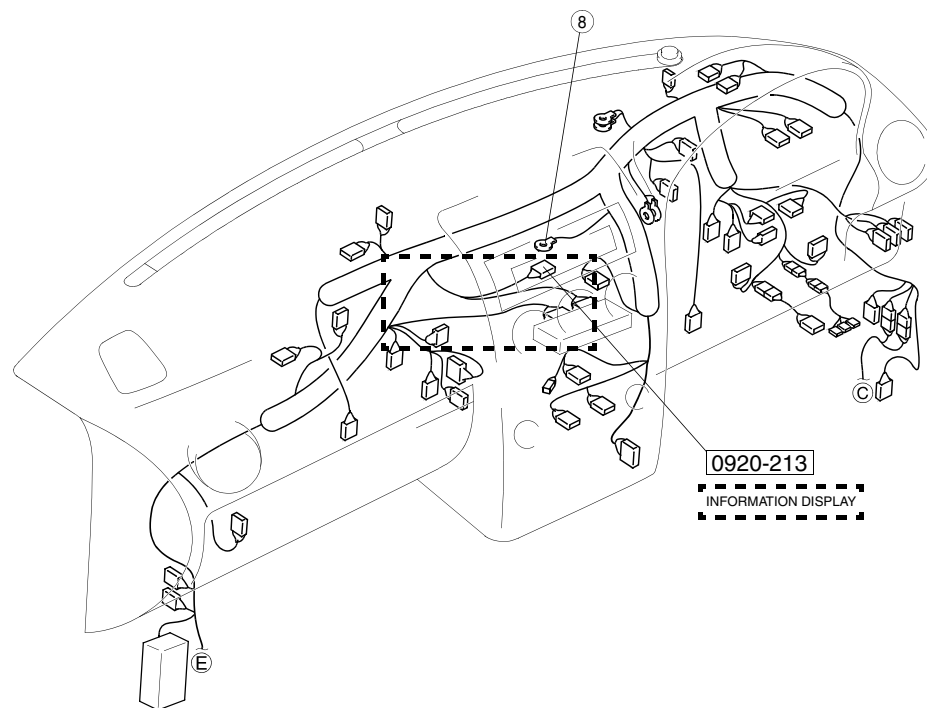


*: VACANT

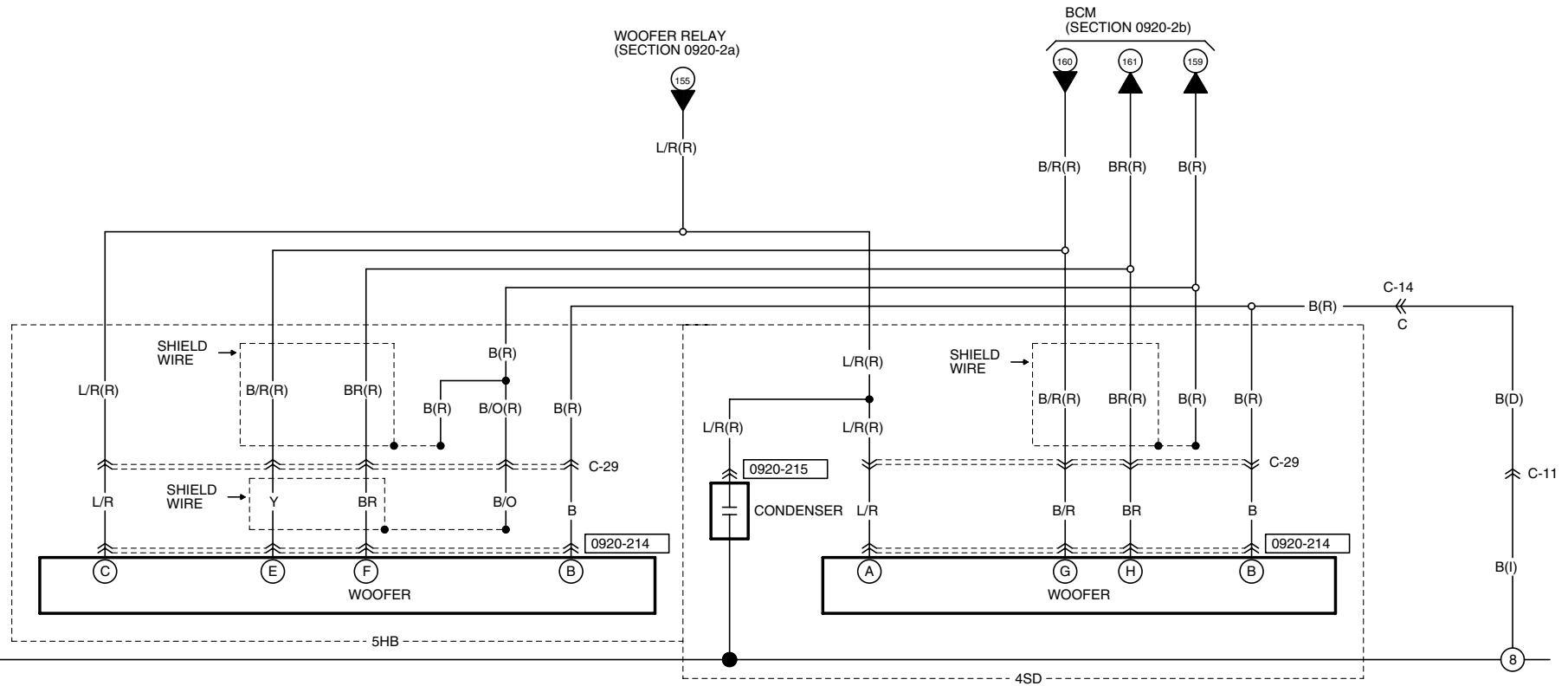


0920-213 INFORMATION DISPLAY (I)					

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

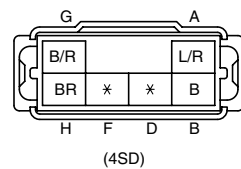
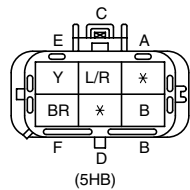


※: VACANT



TTT

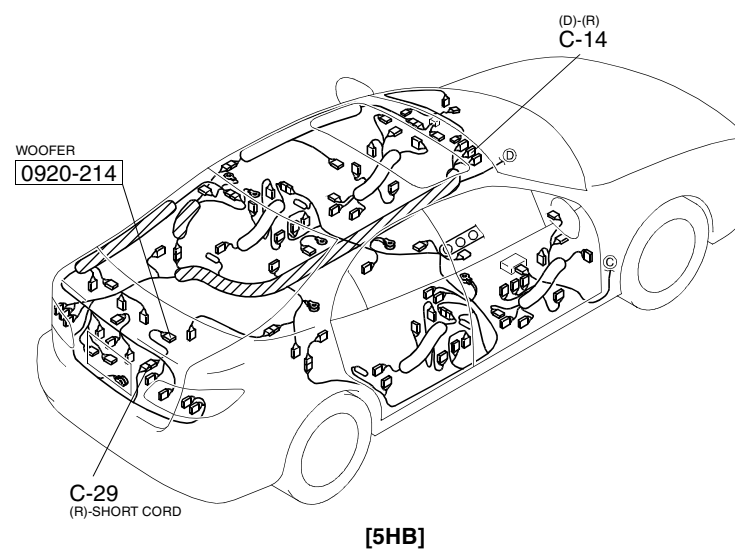
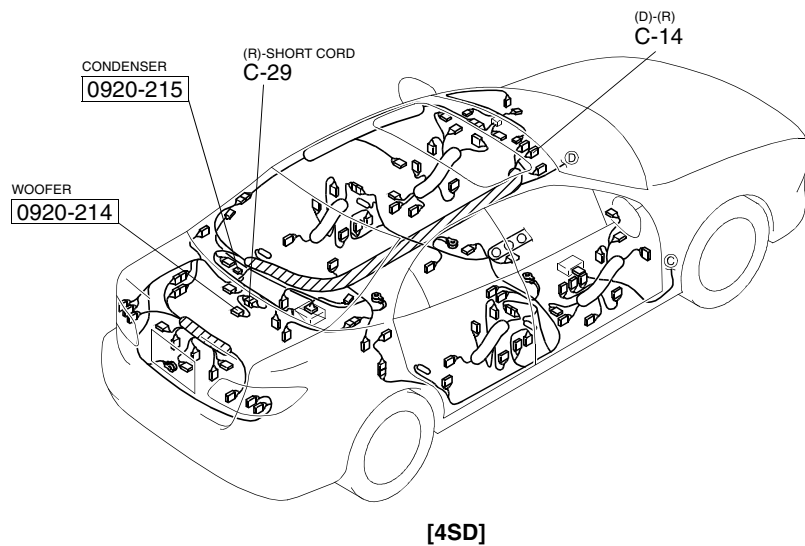
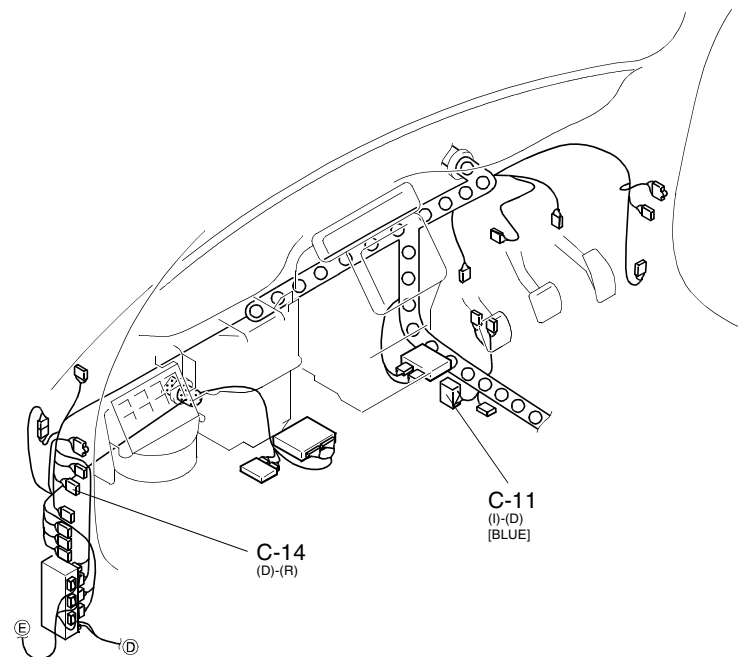
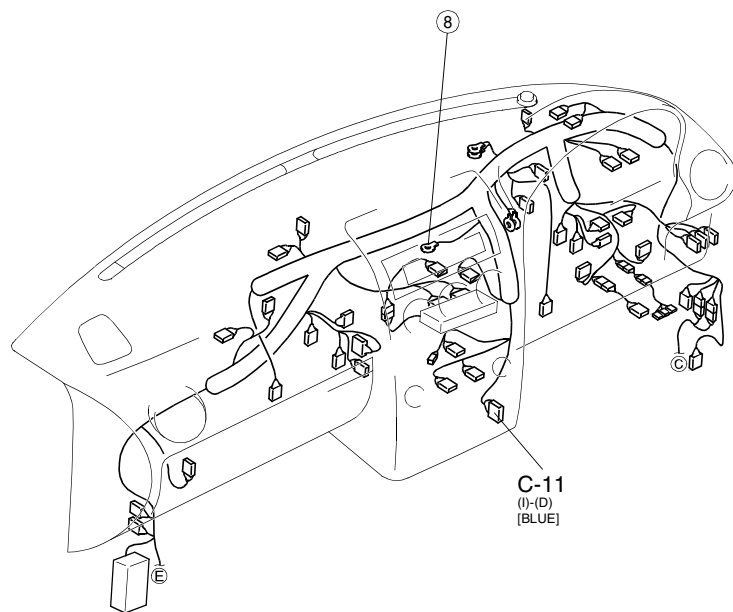
0920-214
WOOFER(SHORT CORD)



0920-215
CONDENSER(R)

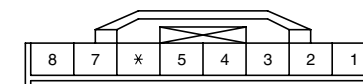
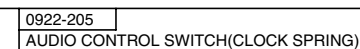
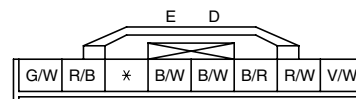
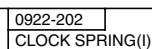
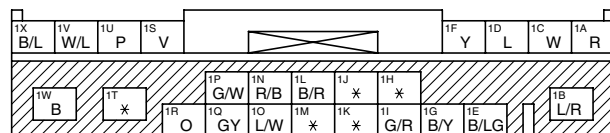
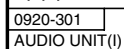
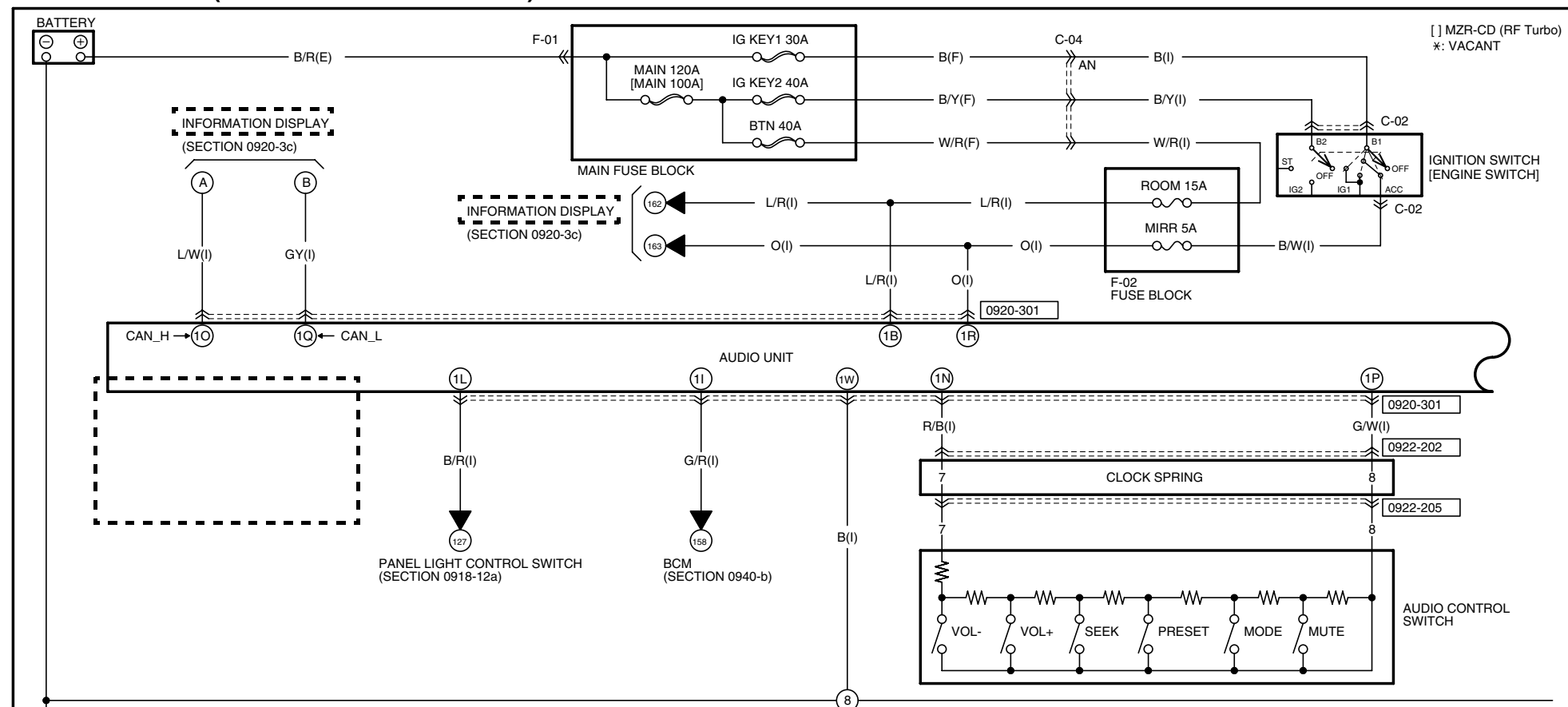


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



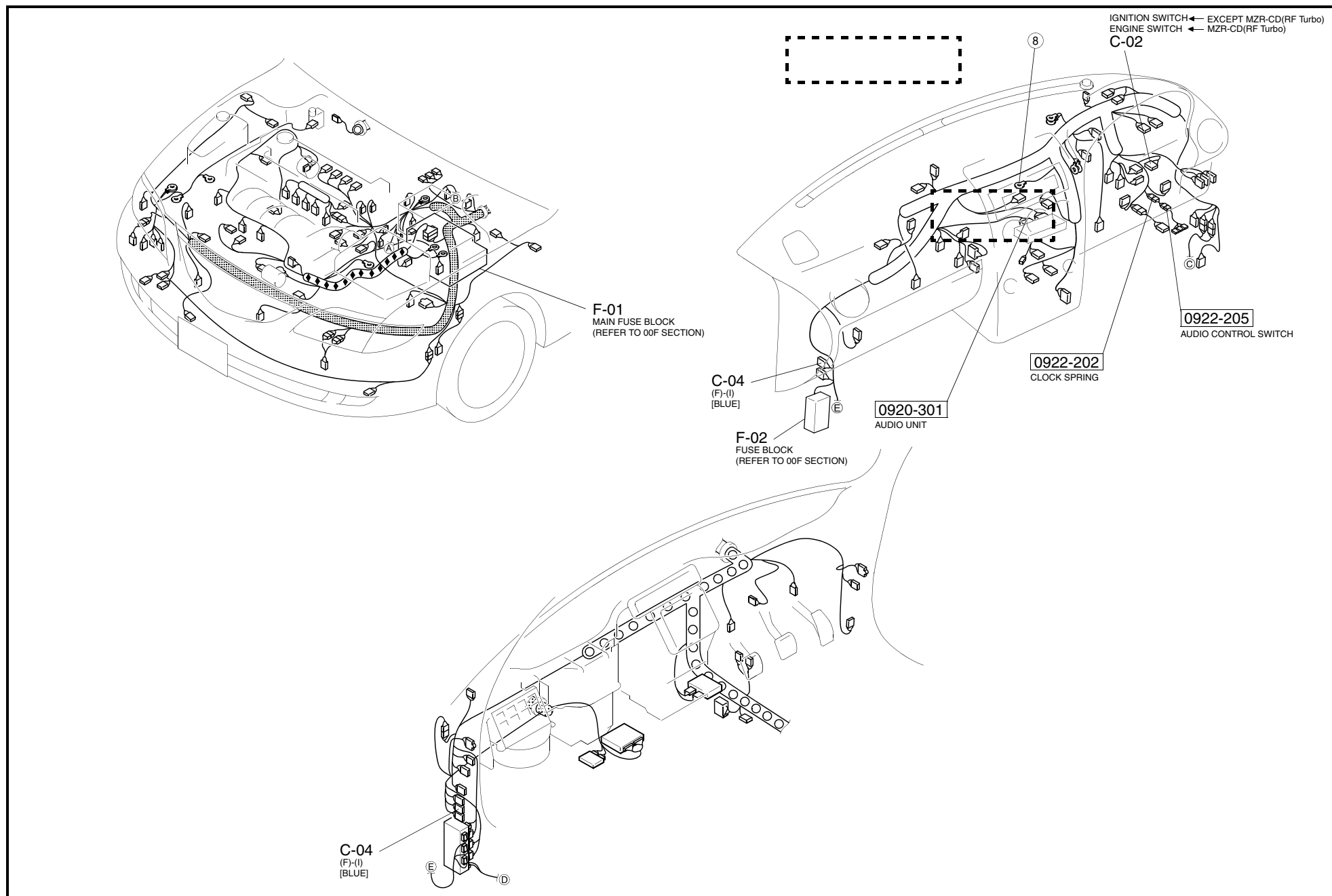
AUDIO SYSTEM (STANDARD TYPE AUDIO)

0920-3a



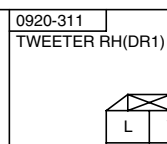
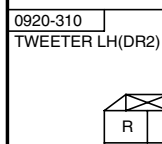
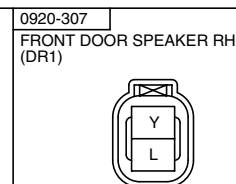
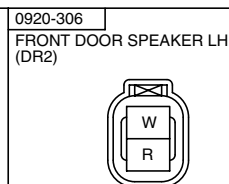
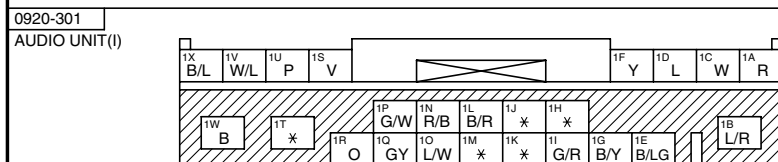
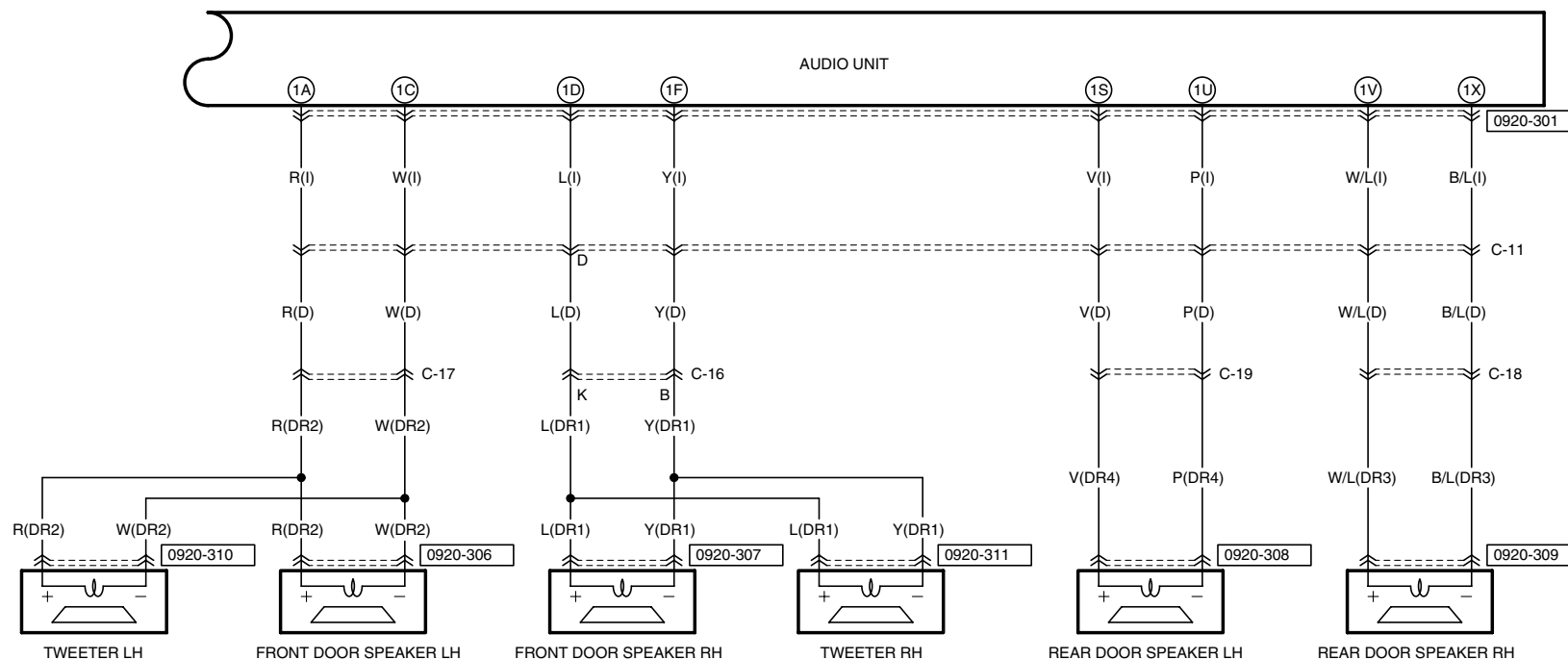
TERMINALS OF THIS CONNECTOR
ARE INDICATED BY NUMBERS.

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

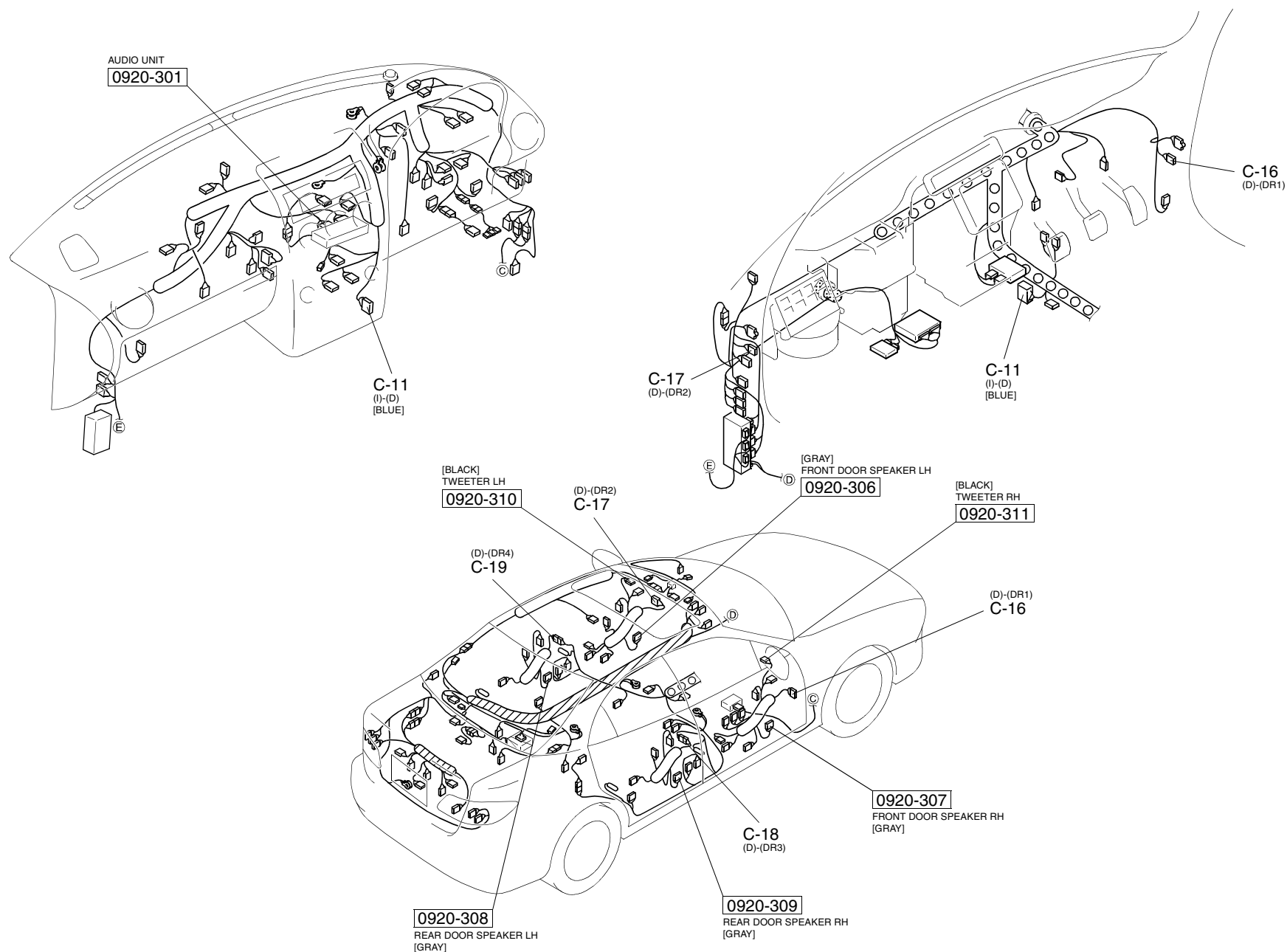


Mazda6 Wiring Diagram (5645-1A-05E/5645-10-05F)

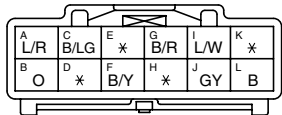
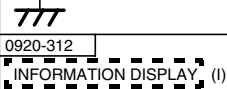
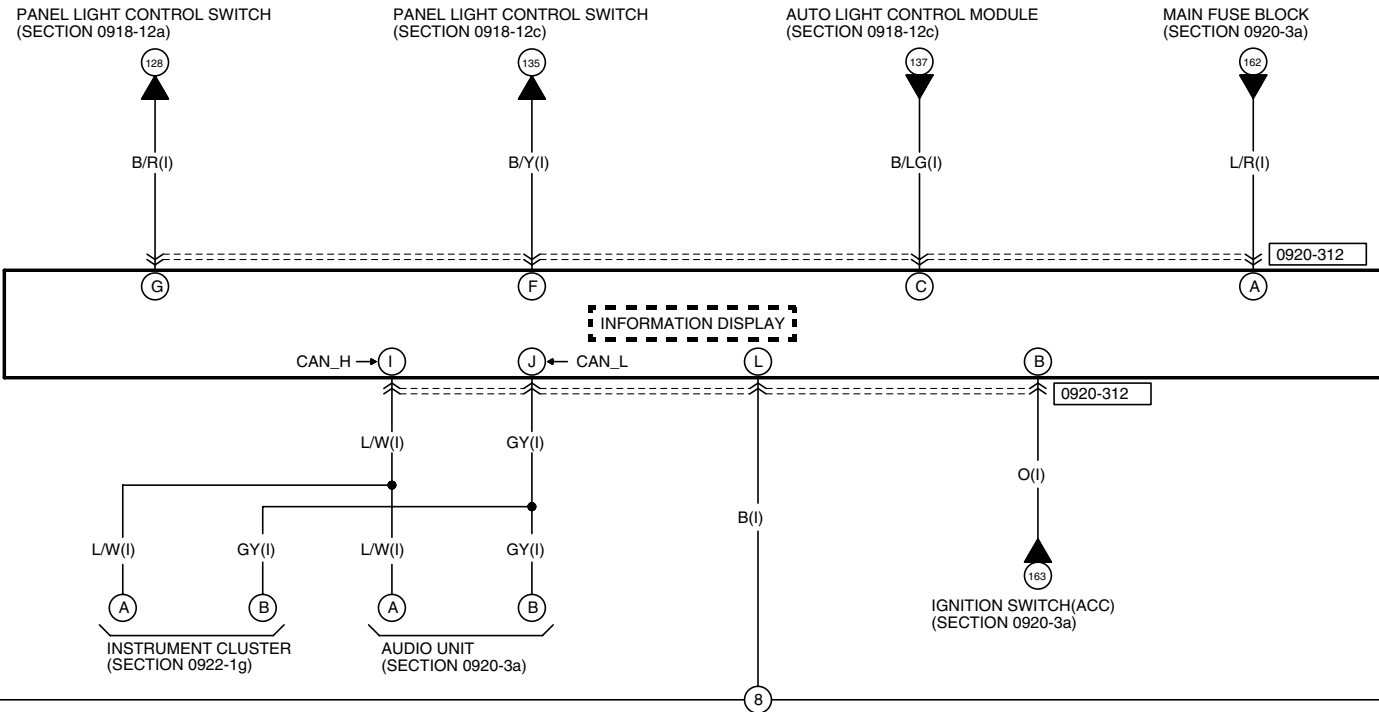
* : VACANT



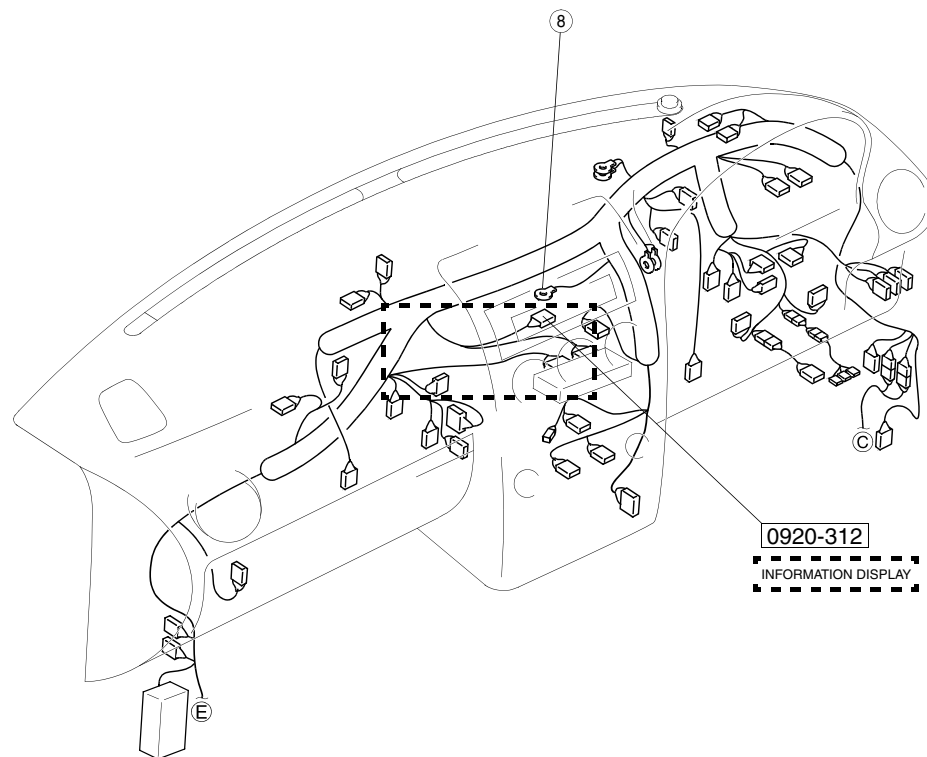
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



* : VACANT

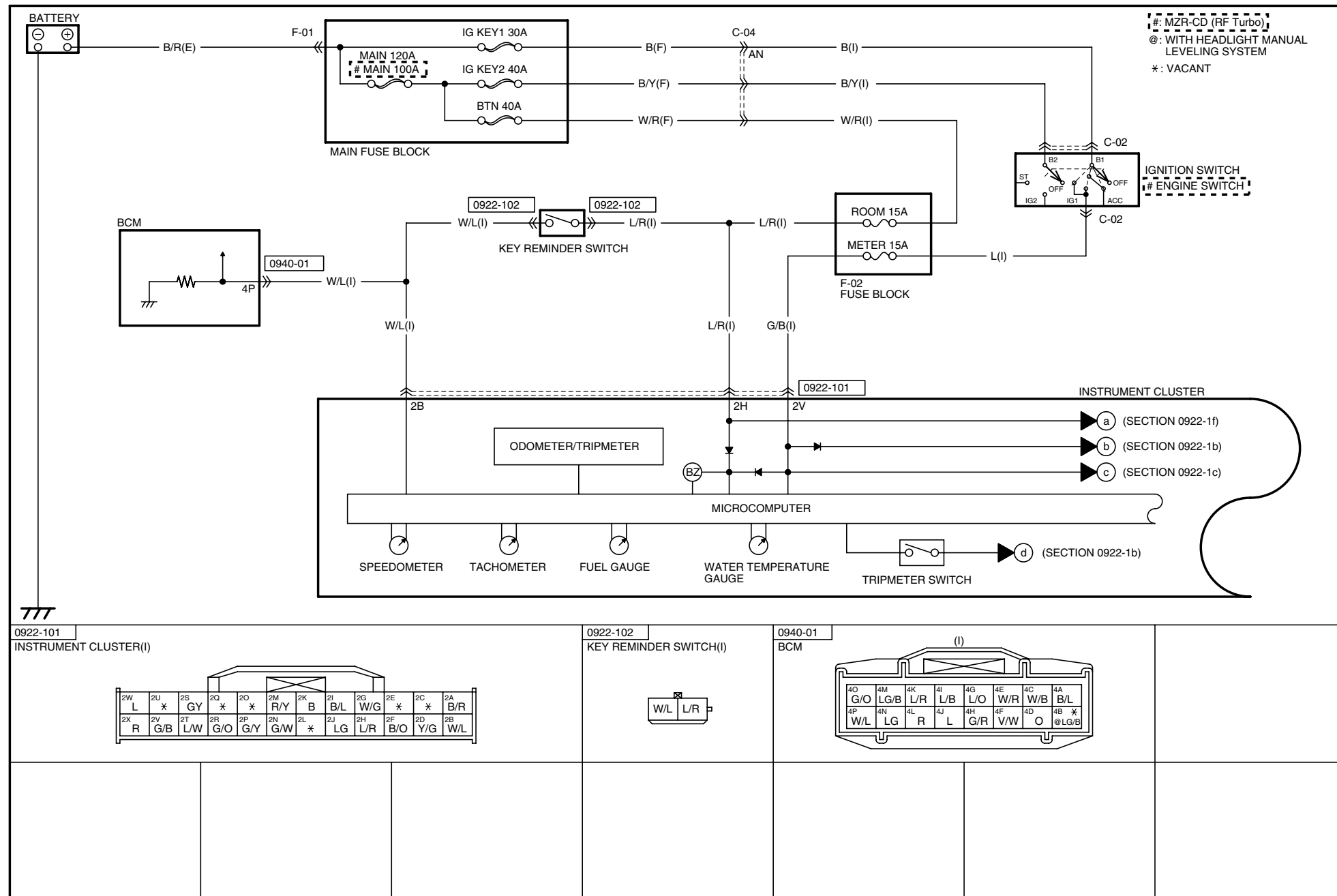


HARNESS SYMBOL :  (F)  (E)  (D)  (R)

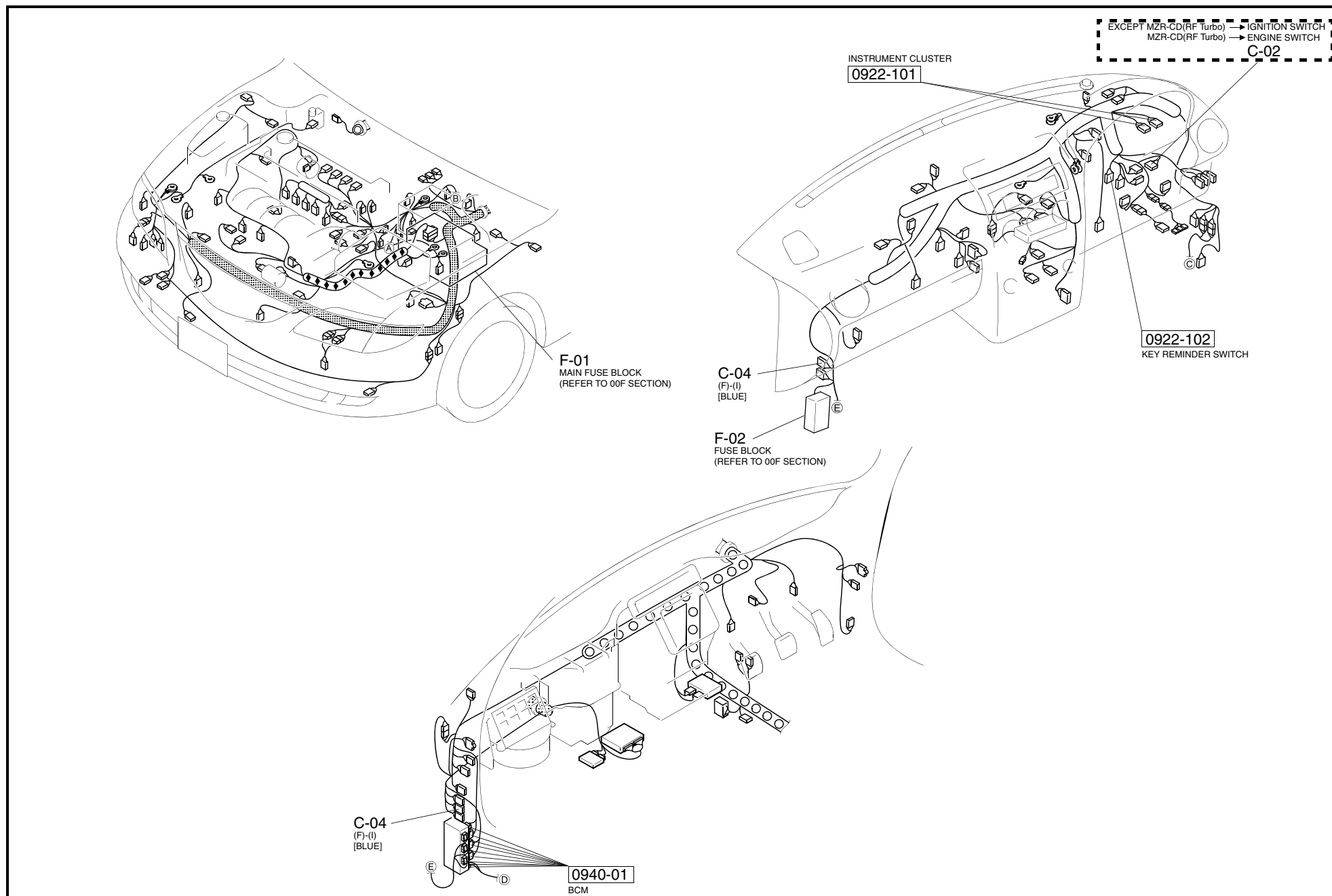


INSTRUMENT CLUSTER

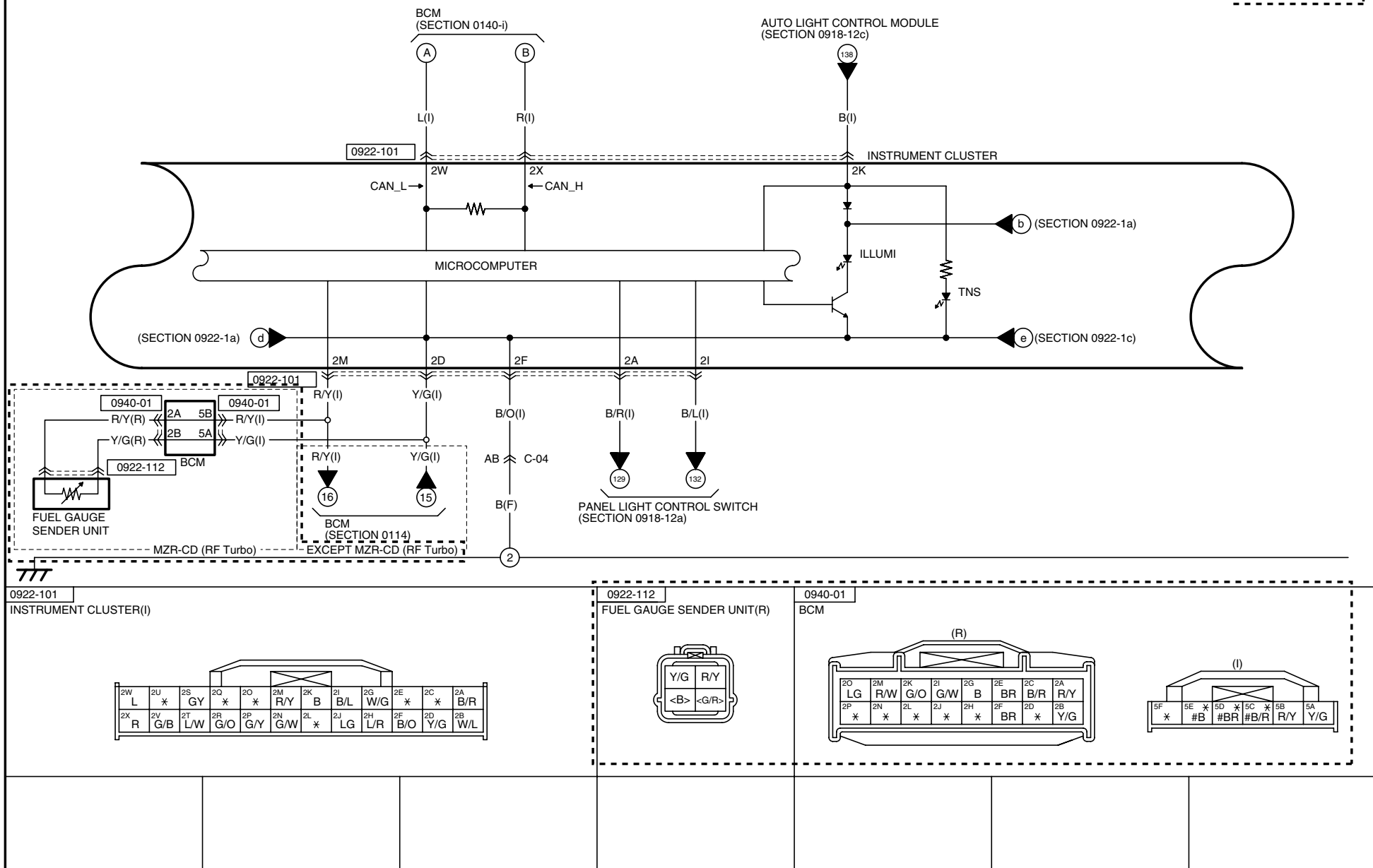
0922-1a



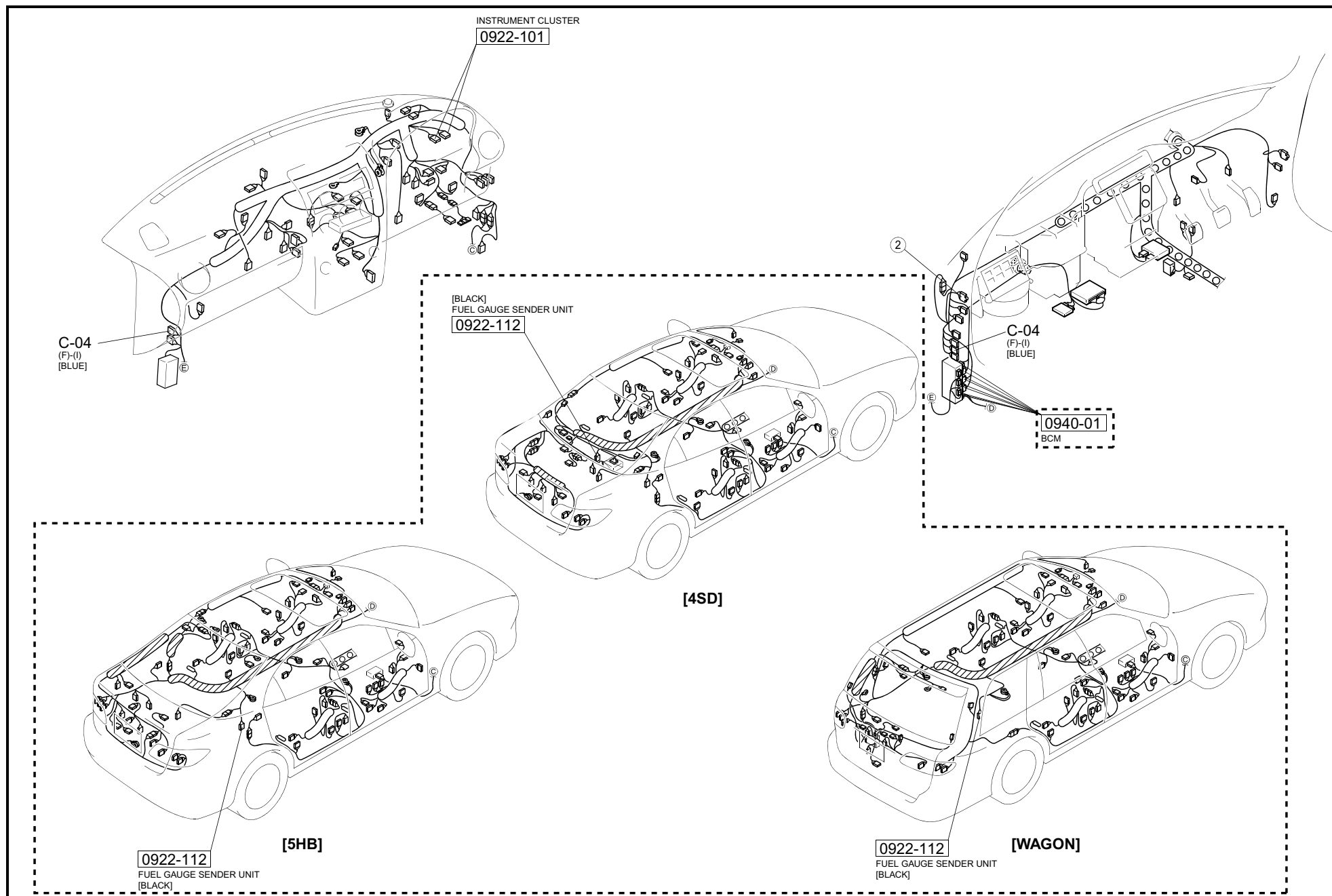
HARNESS SYMBOL :  (F)  (E)  (D)  (R)



* : VACANT
 # : BOSE TYPE AUDIO
 < > : NOT USED

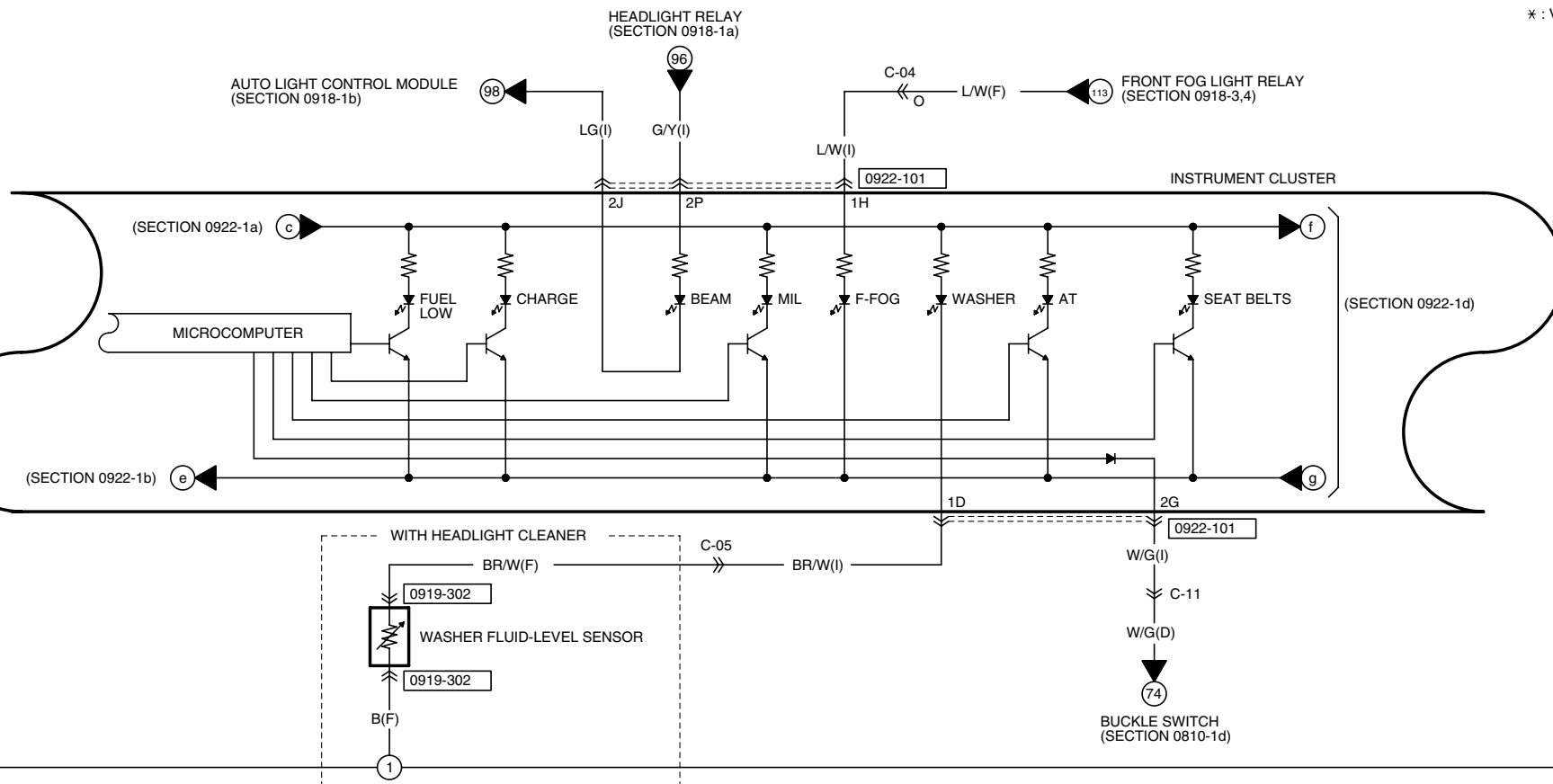


HARNESS SYMBOL :  (F)  (E)  (D)  (R)



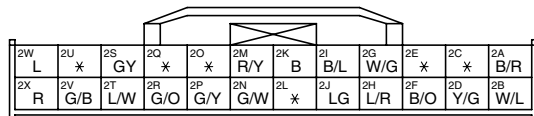
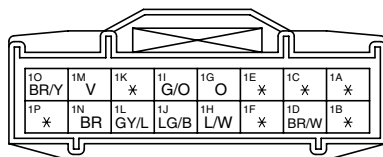
Mazda6 Wiring Diagram (5645-1A-05E)

* : VACANT

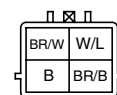


TTT

0922-101
INSTRUMENT CLUSTER(I)



0919-302
WASHER FLUID-LEVEL SENSOR(F)



(WITH HEADLIGHT CLEANER)

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

0919-302
WASHER FLUID-LEVEL SENSOR
[GRAY]

INSTRUMENT CLUSTER
0922-101

C-04
(F)-(I)
[BLUE]

C-05
(F)-(I)

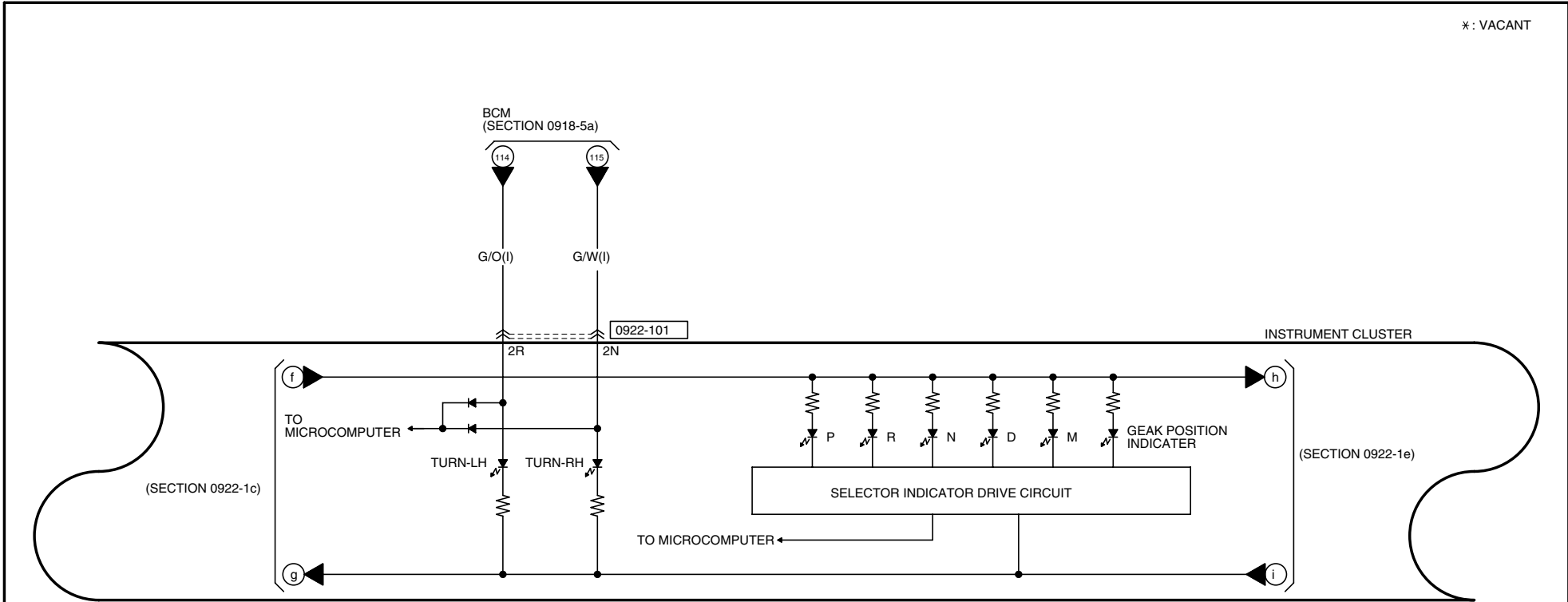
C-11
(I)-(D)
[BLUE]

C-04
(F)-(I)
[BLUE]

C-05
(F)-(I)

C-11
(I)-(D)
[BLUE]

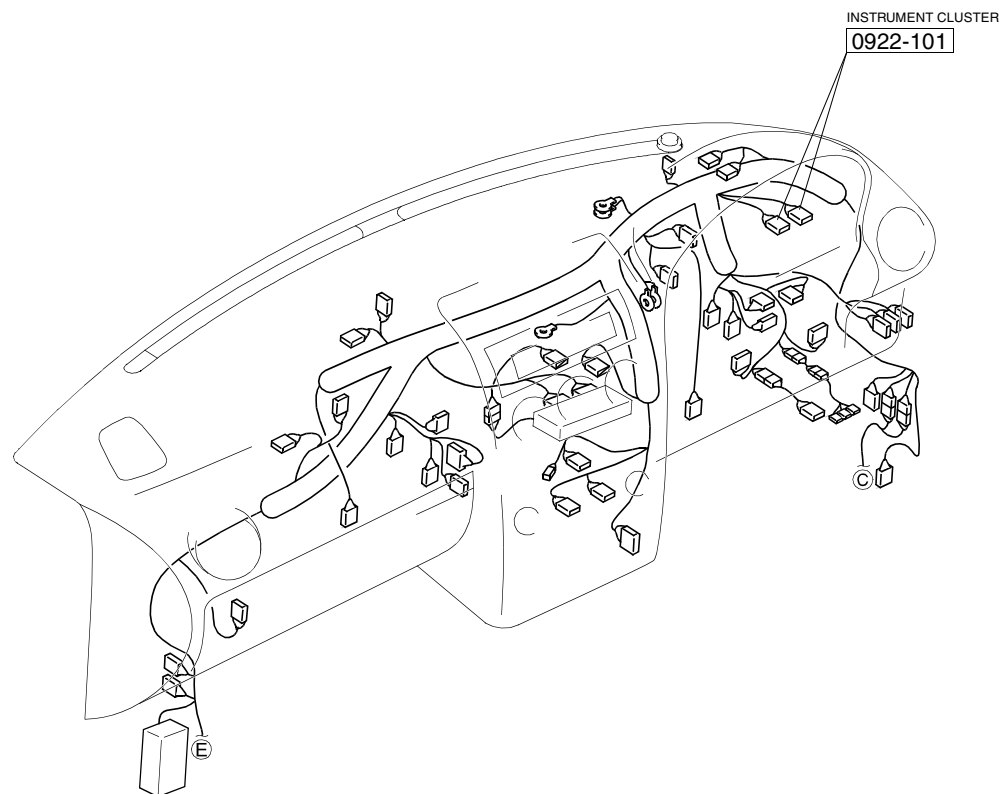
*: VACANT



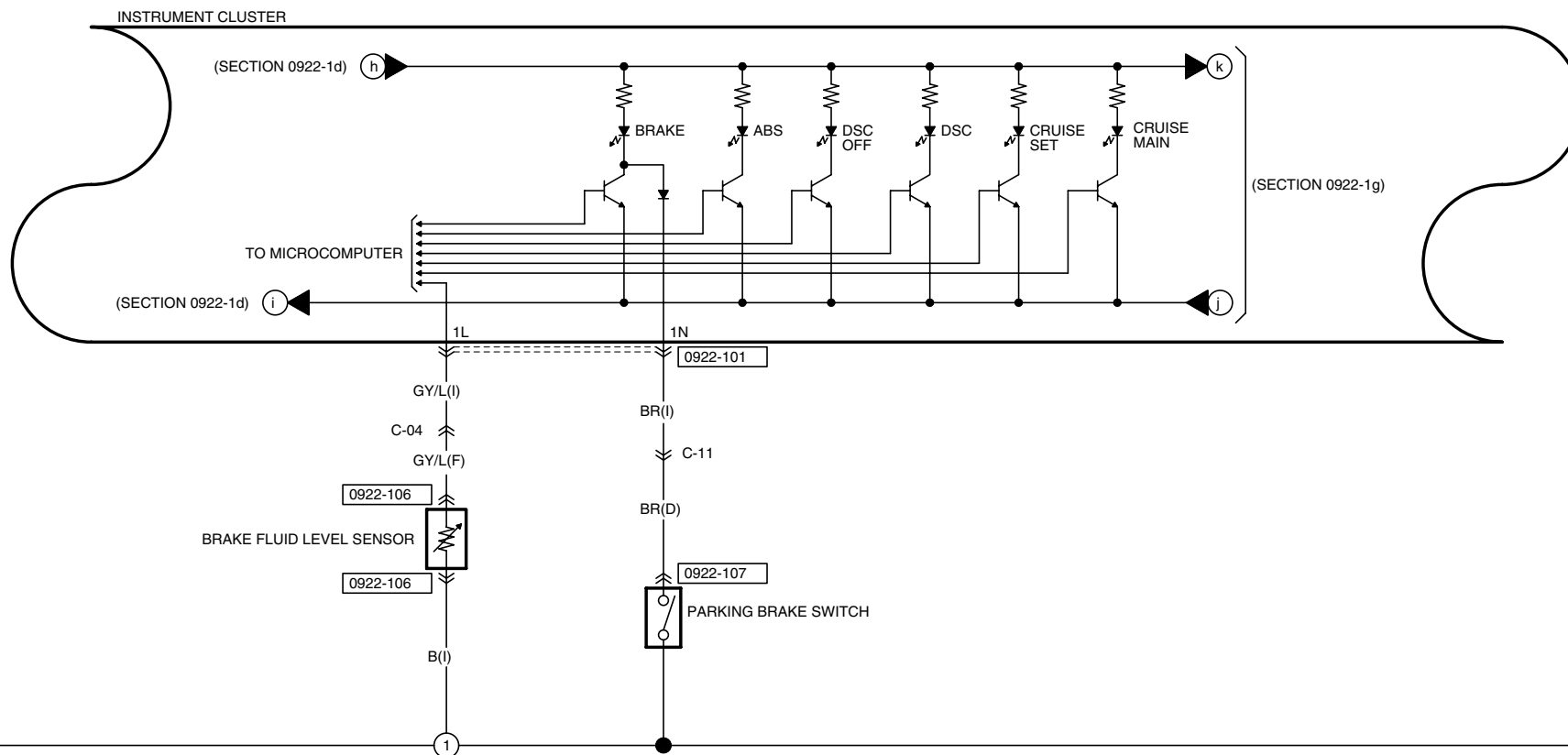
0922-101
INSTRUMENT CLUSTER(I)

2W	2U	2S	2O	2O	2M	2K	2I	2G	2E	2C	2A
L	*	GY	*	*	R/Y	B	B/L	W/G	*	*	B/R
2X	2V	2T	2R	2P	2N	2L	2J	2H	2F	2D	2B
R	G/B	L/W	G/O	G/Y	G/W	*	LG	L/R	B/O	Y/G	W/L

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

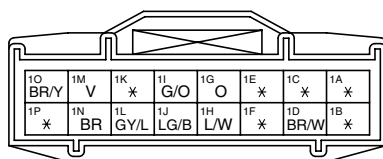


※: VACANT



TTT

0922-101
INSTRUMENT CLUSTER(I)



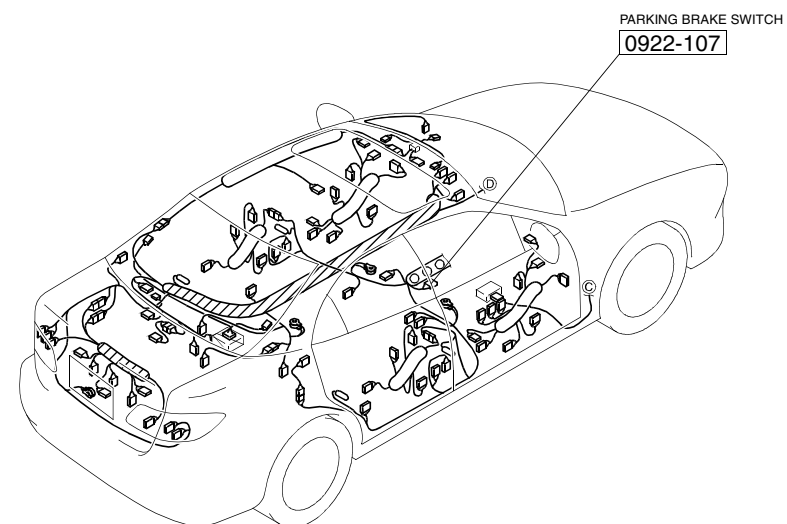
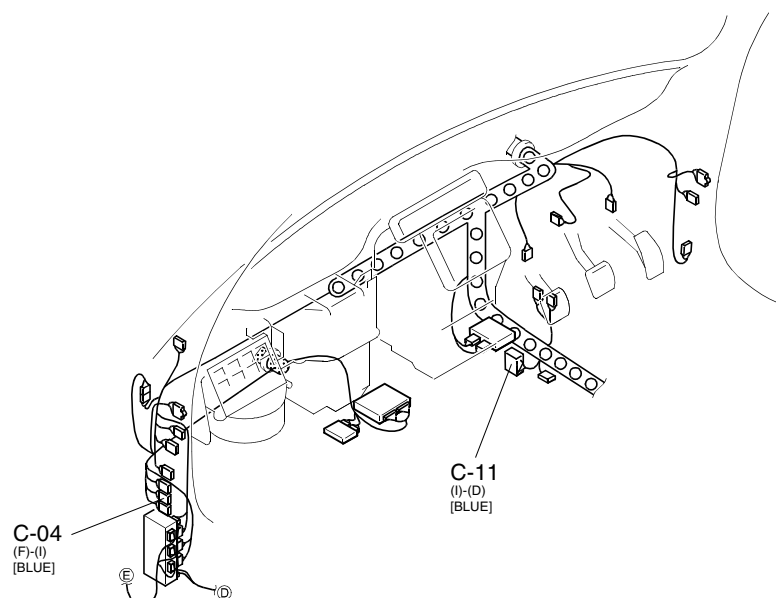
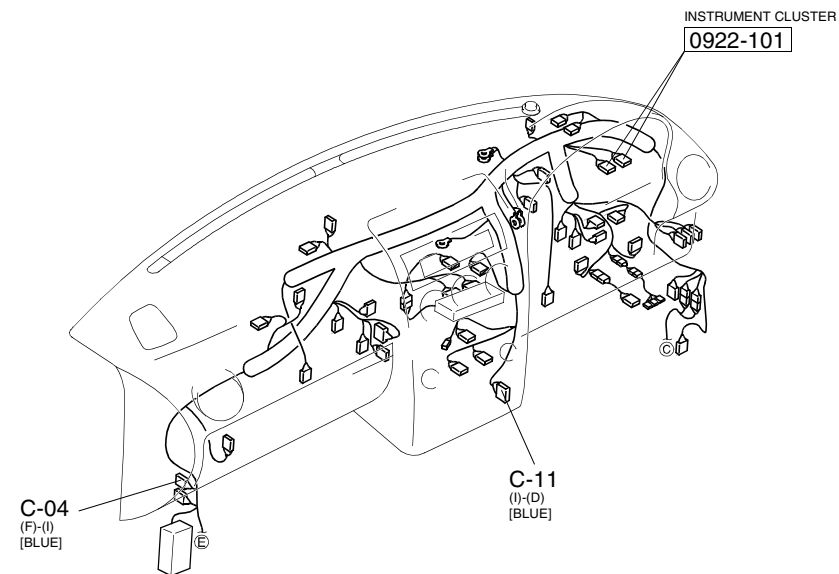
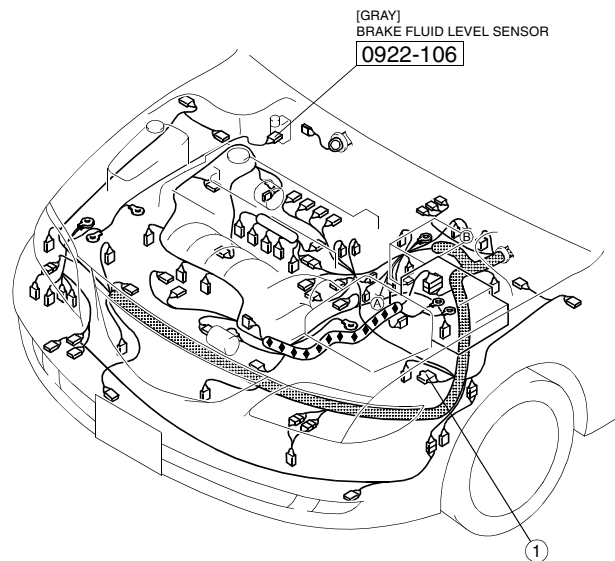
0922-106
BRAKE FLUID LEVEL SENSOR(F)

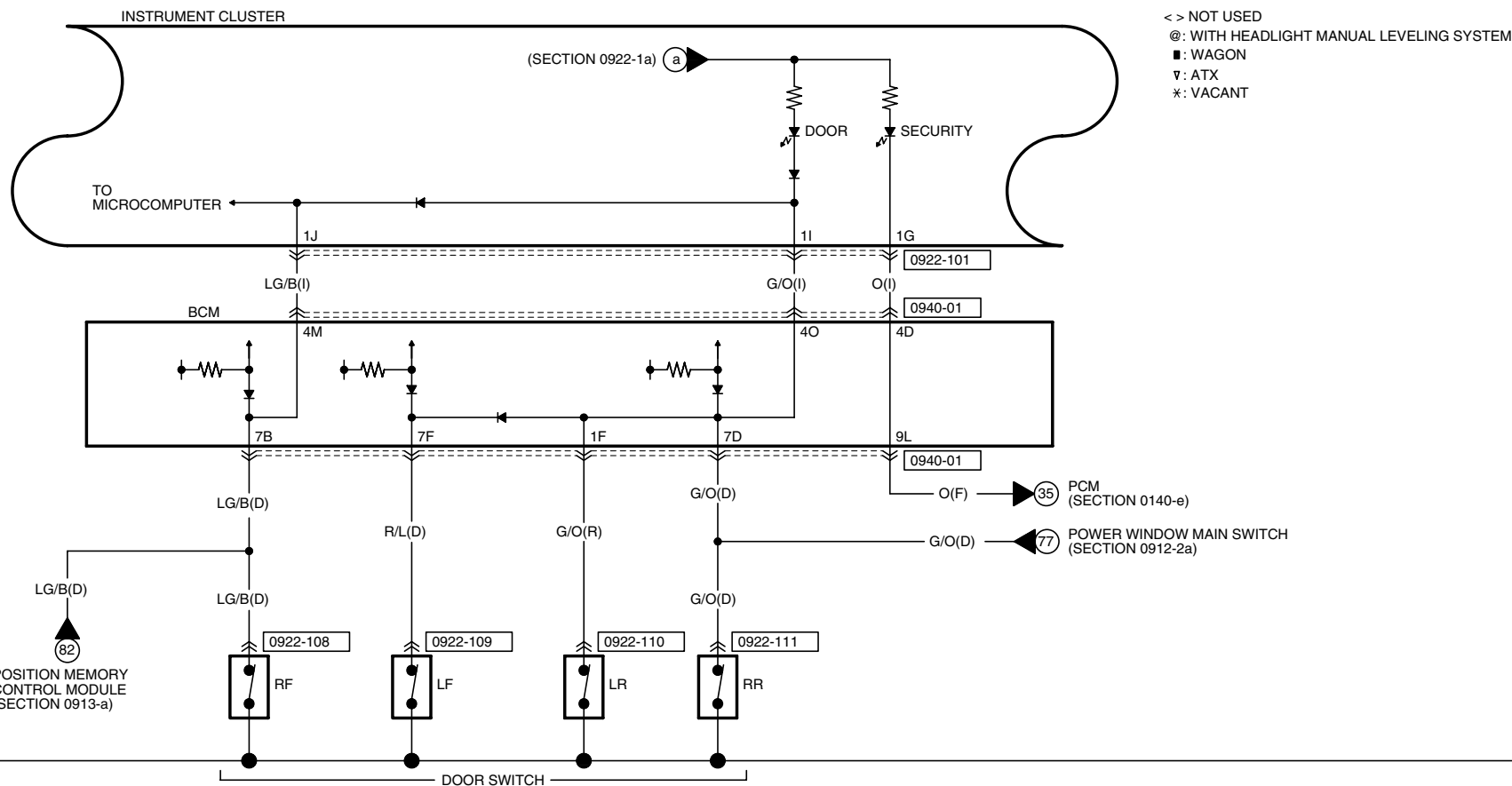


0922-107
PARKING BRAKE SWITCH(D)

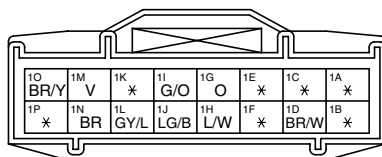


HARNESS SYMBOL :  (F)  (E)  (D)  (R)





0922-101
INSTRUMENT CLUSTER(I)



0922-108
DOOR SWITCH RF(D)



0922-109
DOOR SWITCH LF(D)



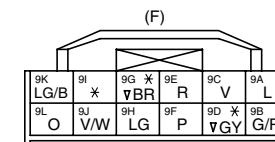
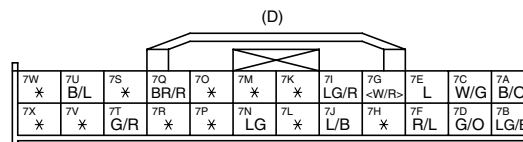
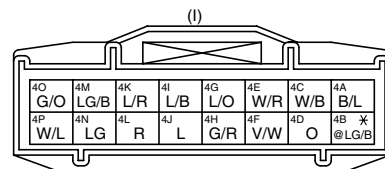
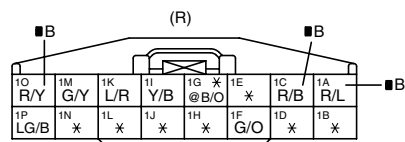
0922-110
DOOR SWITCH LR(R)



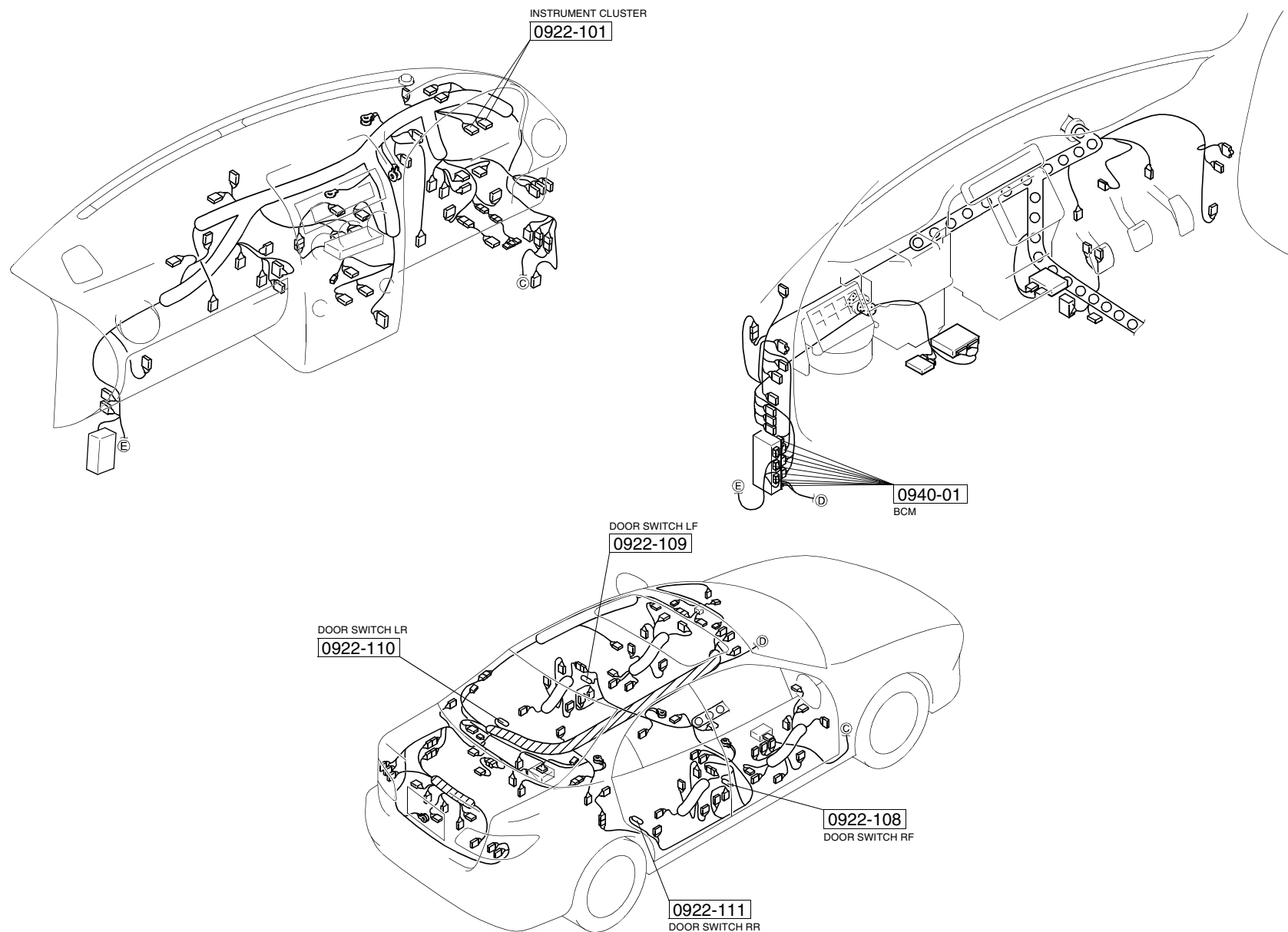
0922-111
DOOR SWITCH RR(D)



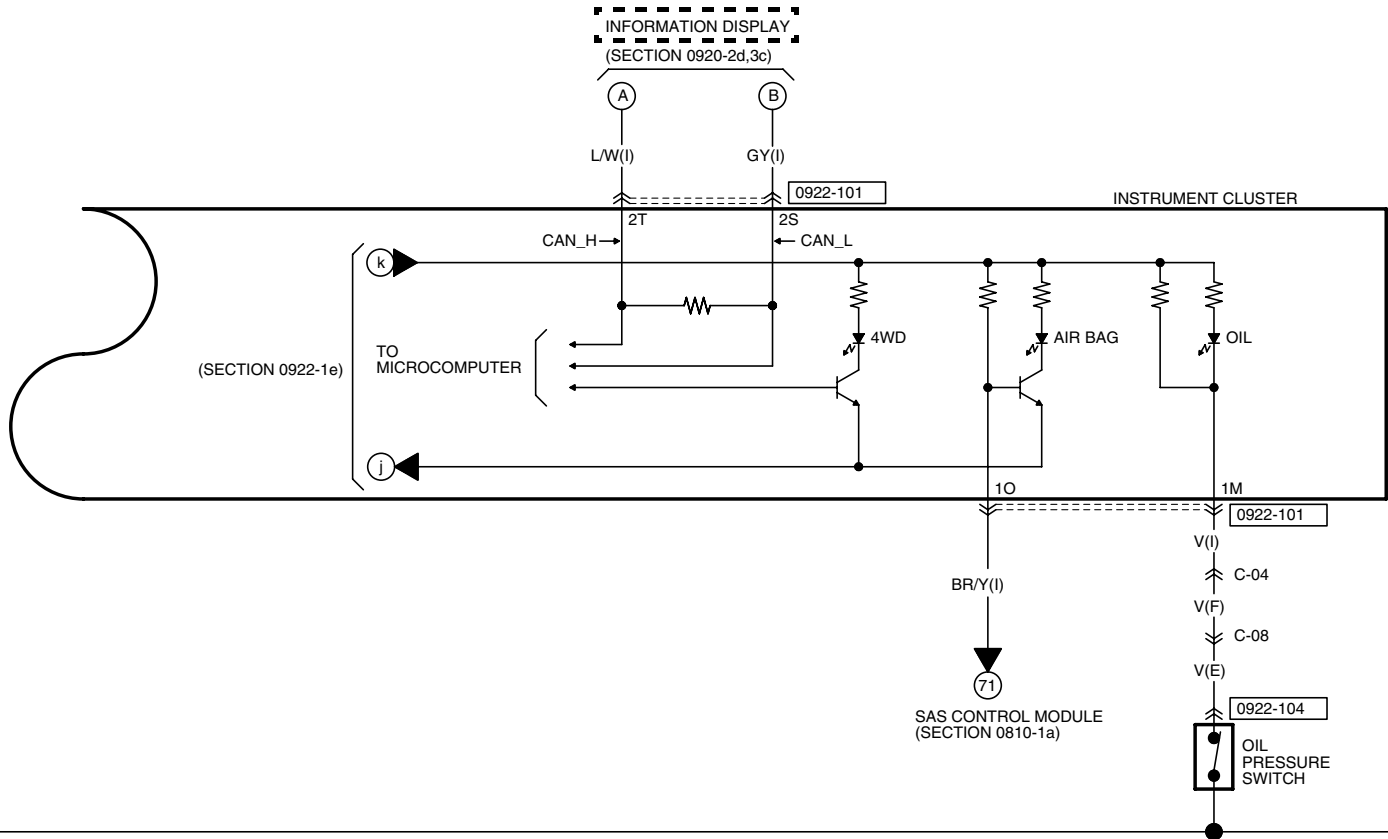
0940-01
BCM

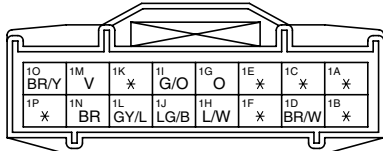
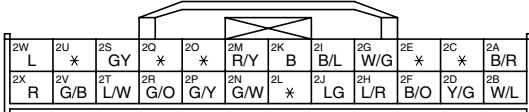



HARNESS SYMBOL :  (F)  (E)  (D)  (R)

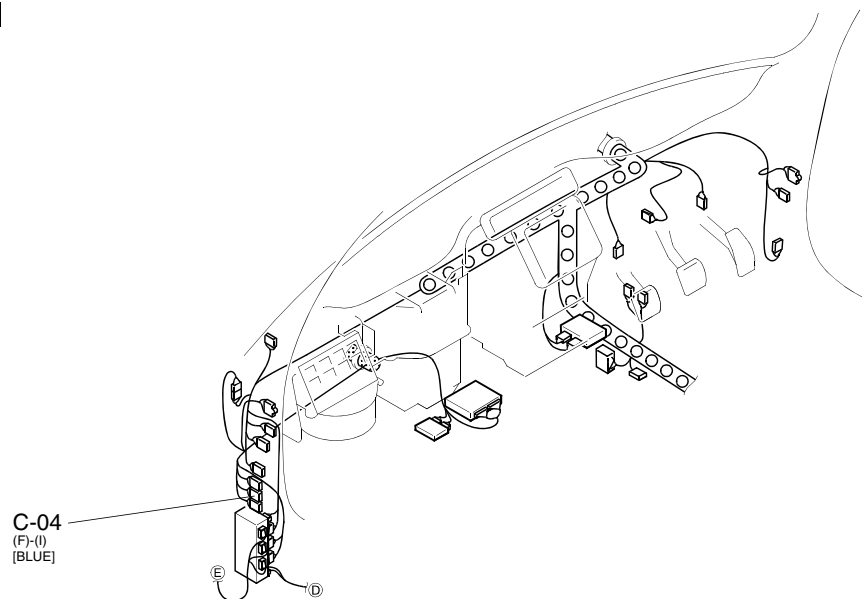
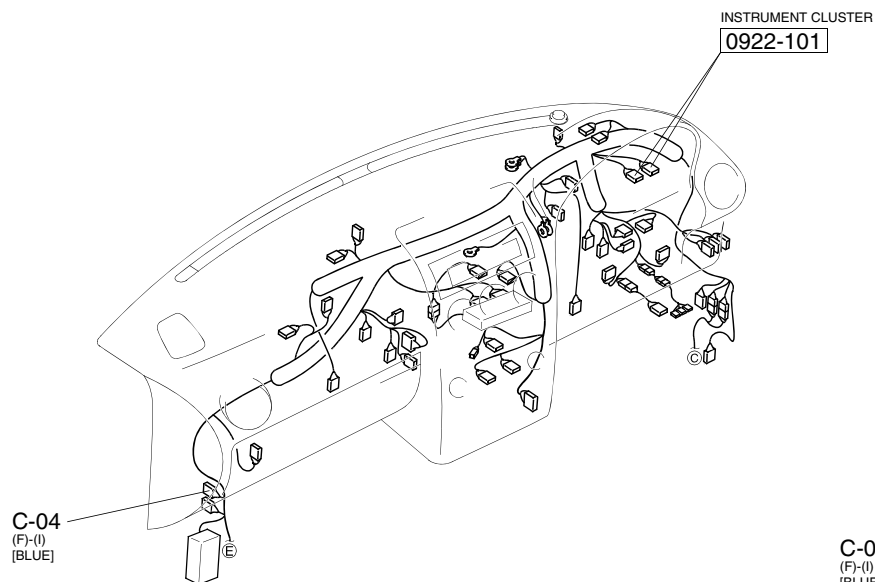
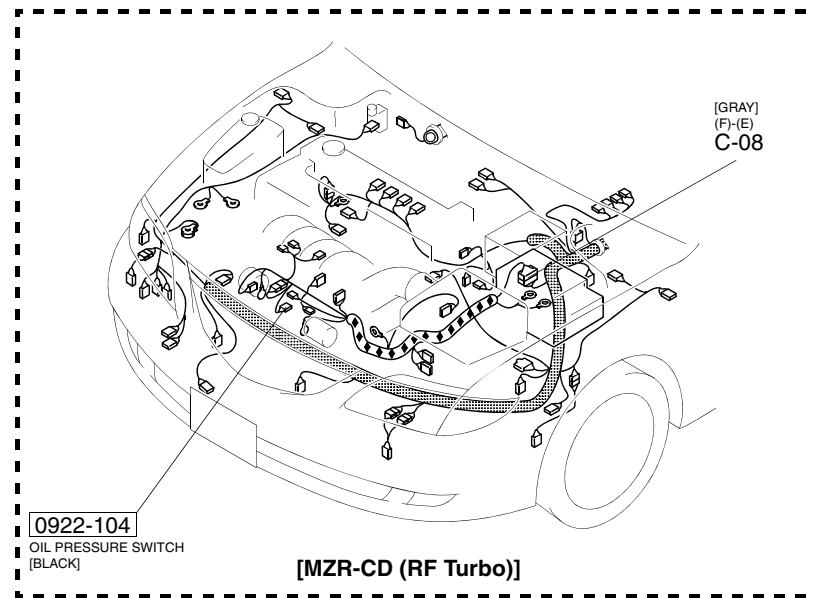
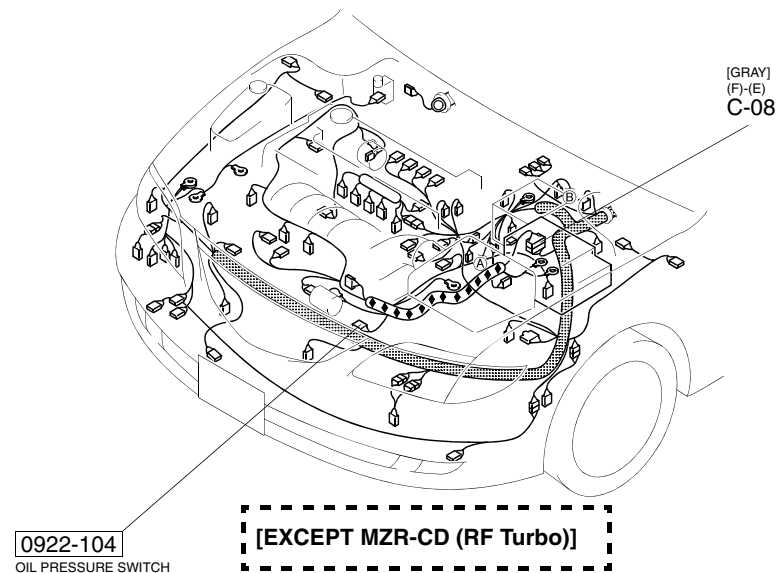


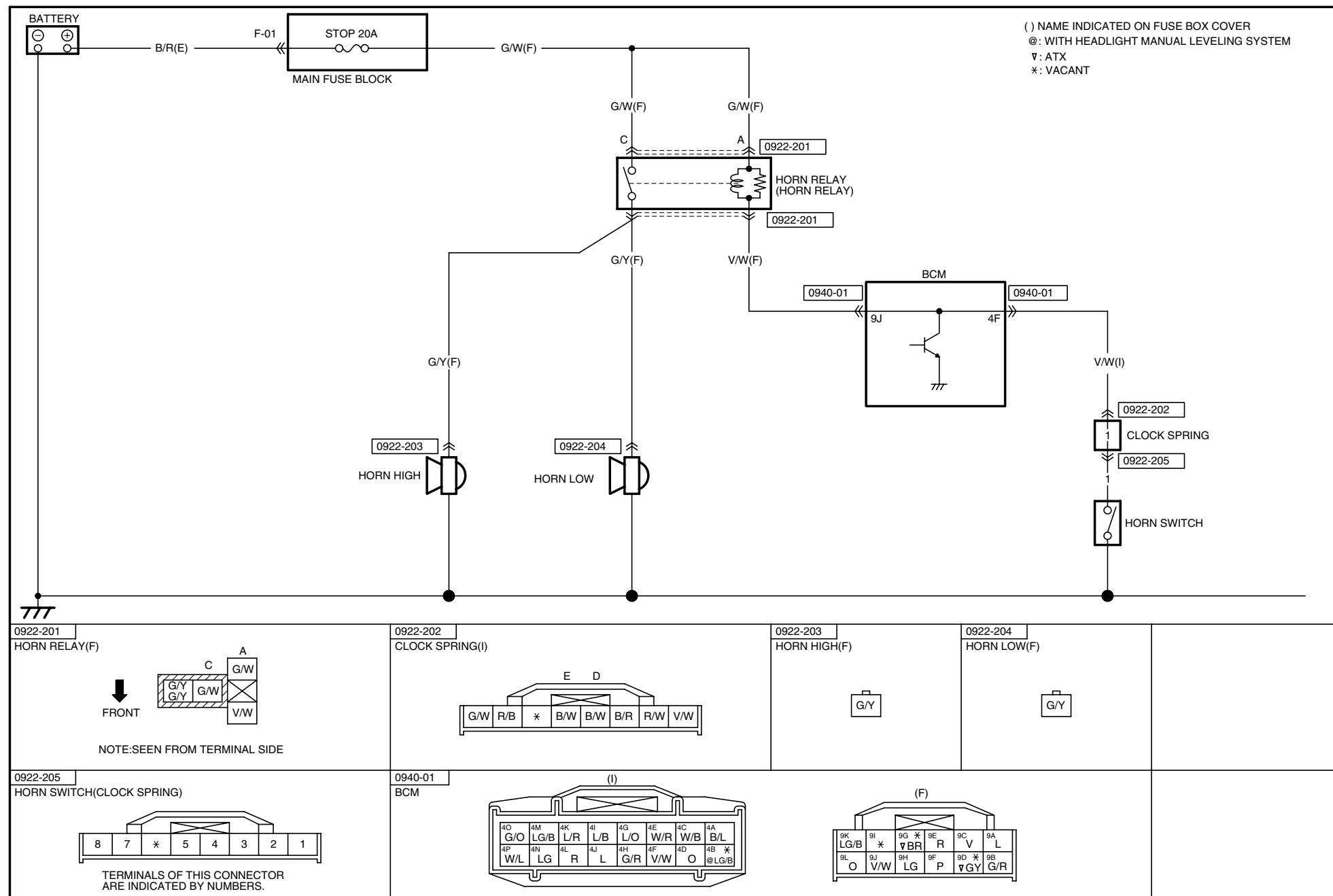
* : VACANT



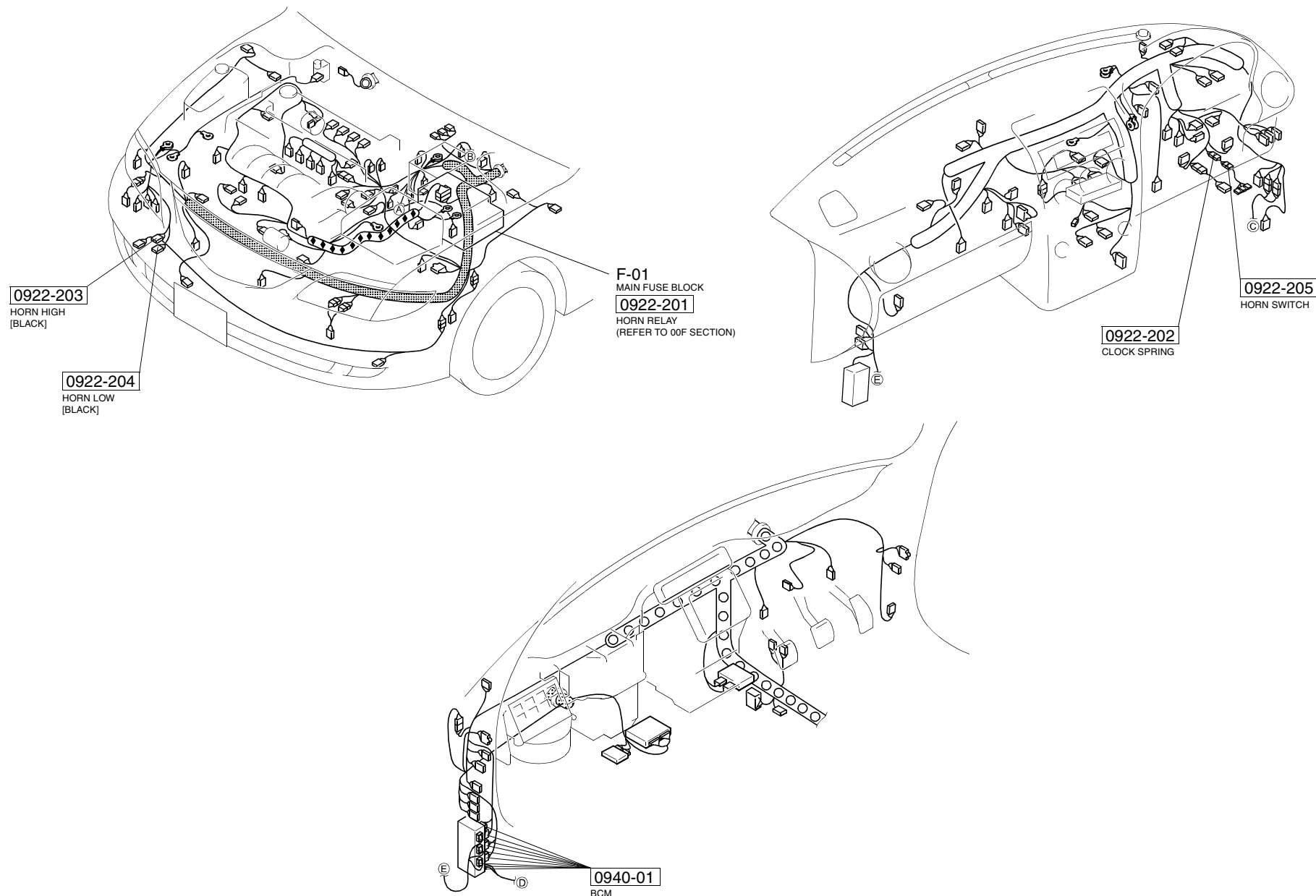
<p>0922-101 INSTRUMENT CLUSTER(I)</p>  	<p>0922-104 OIL PRESSURE SWITCH(E)</p> 			
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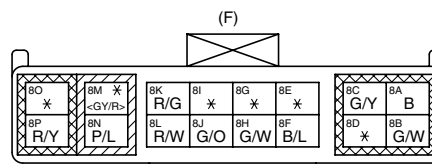
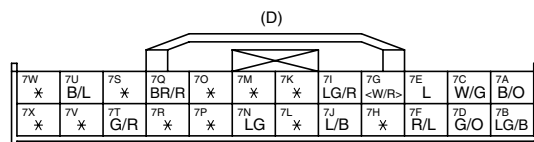
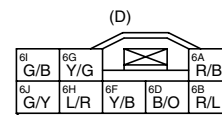
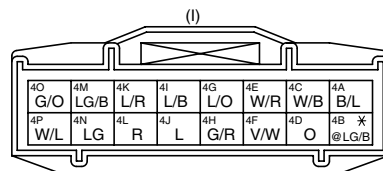
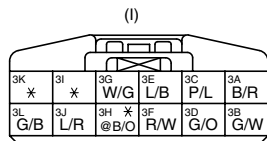
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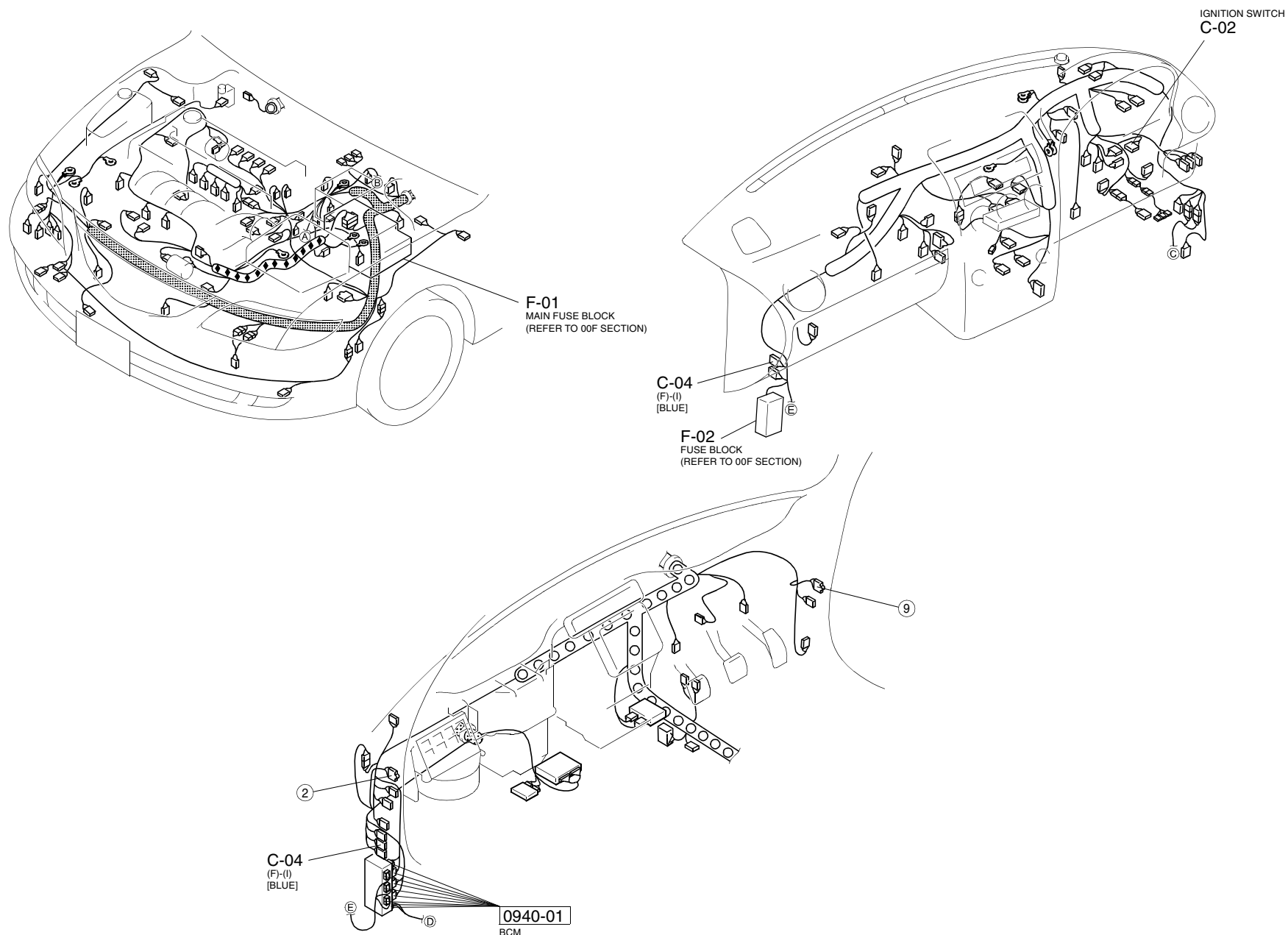


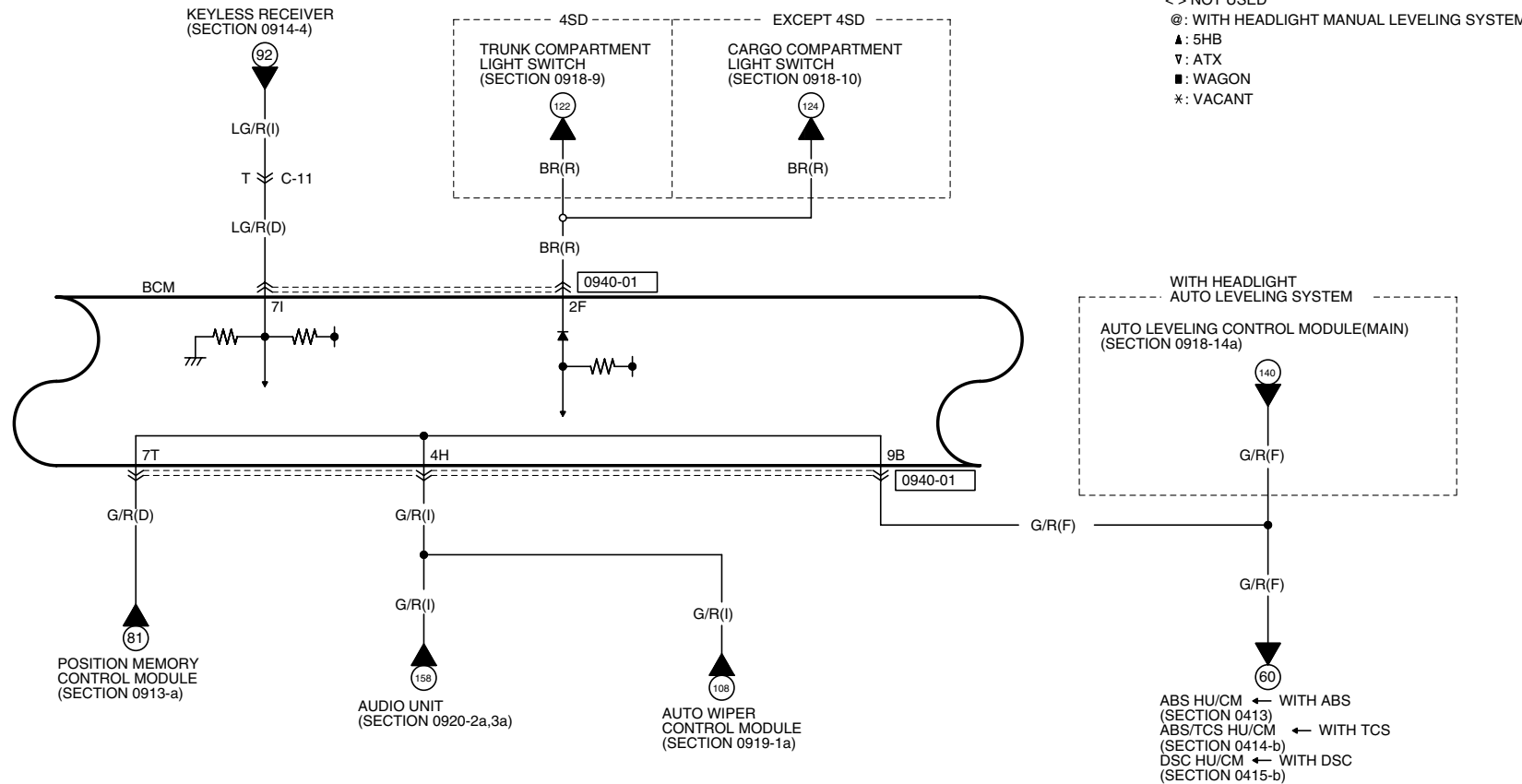
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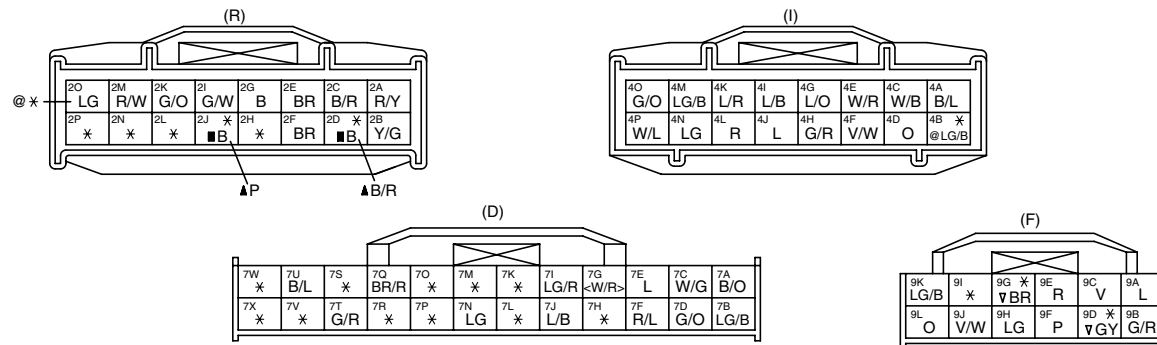


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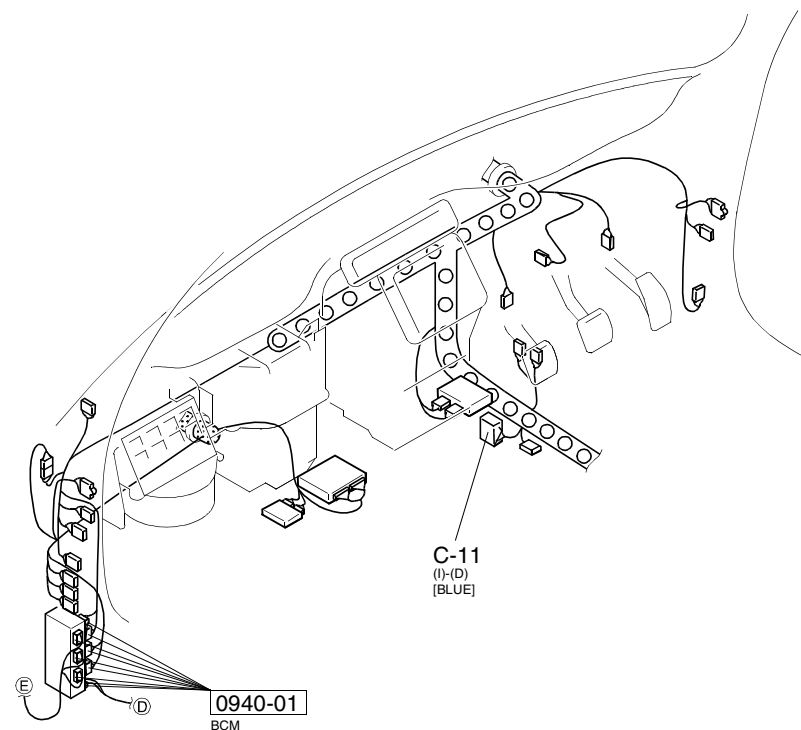
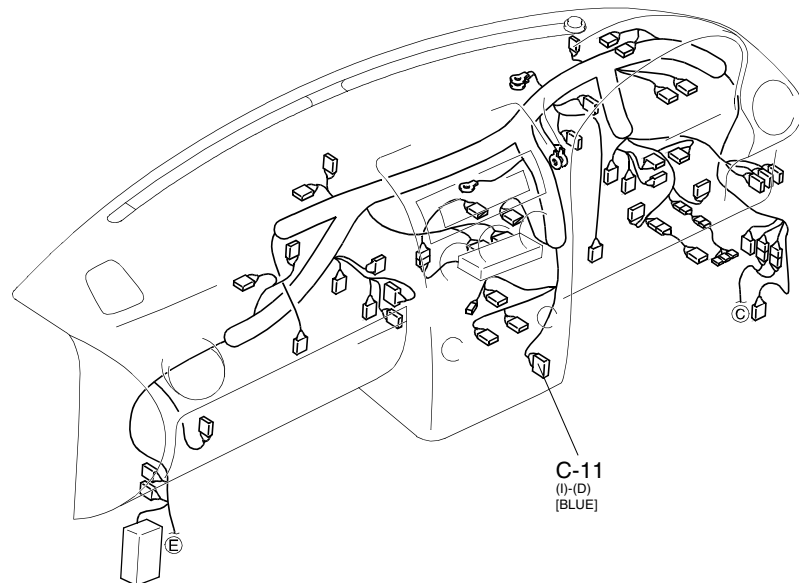




0940-01
BCM



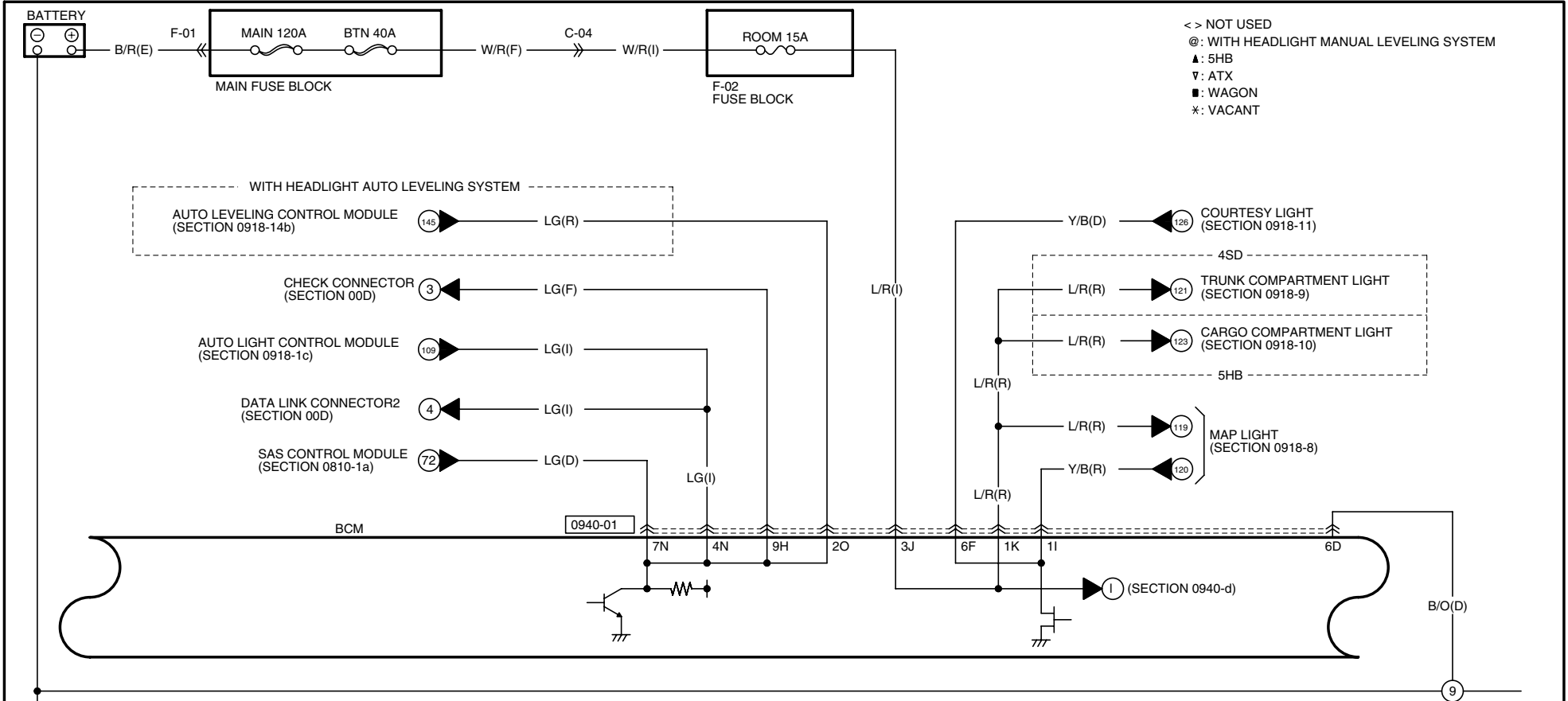
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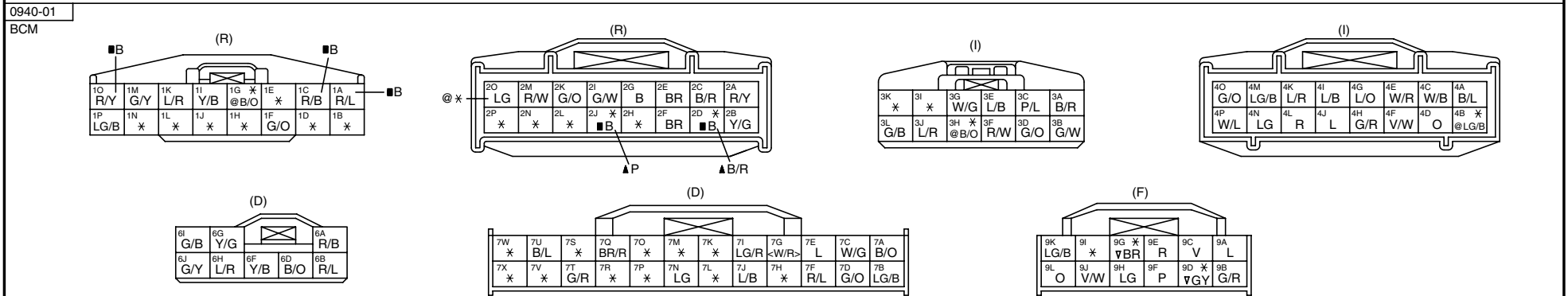
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0940-c

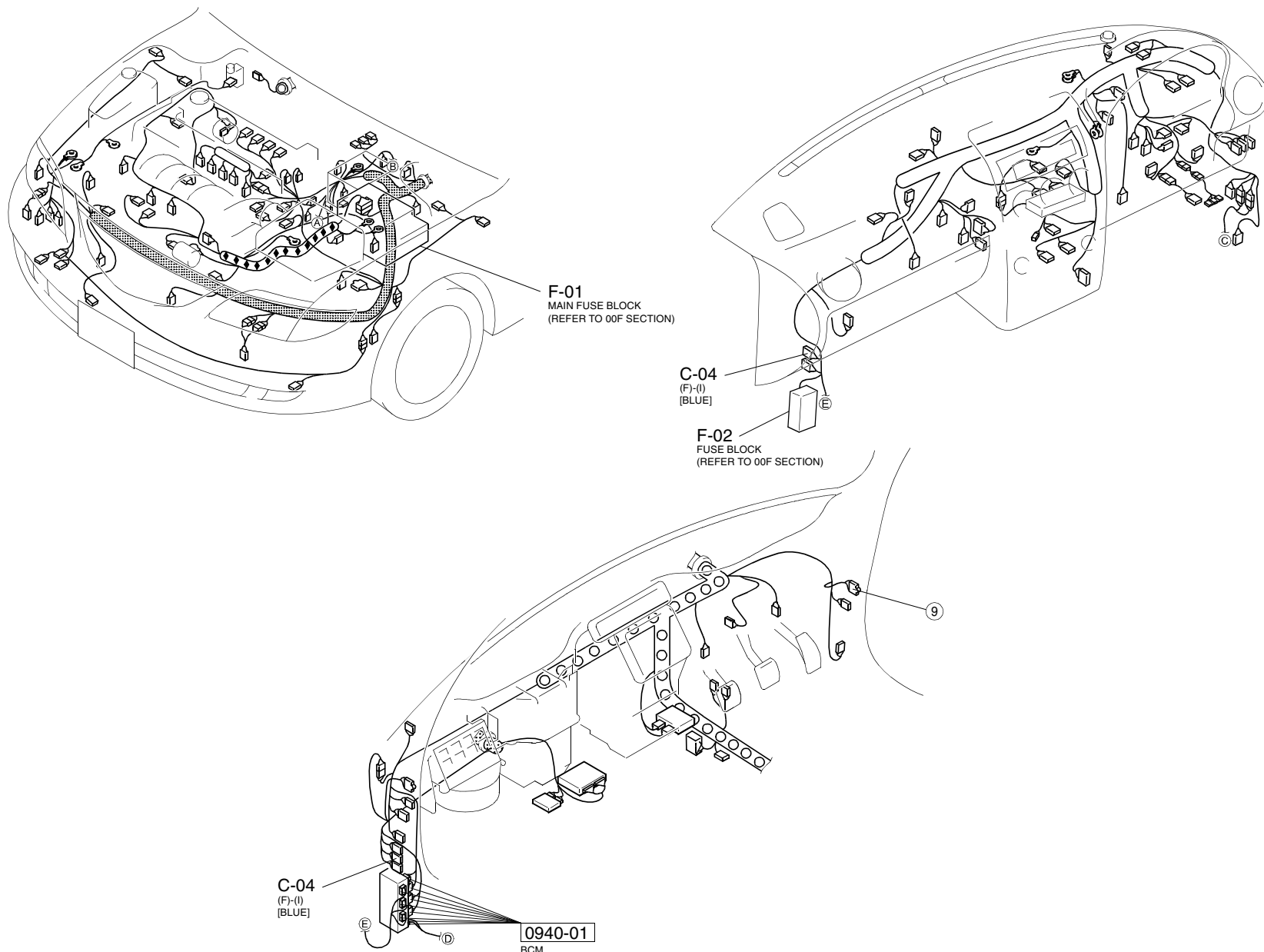
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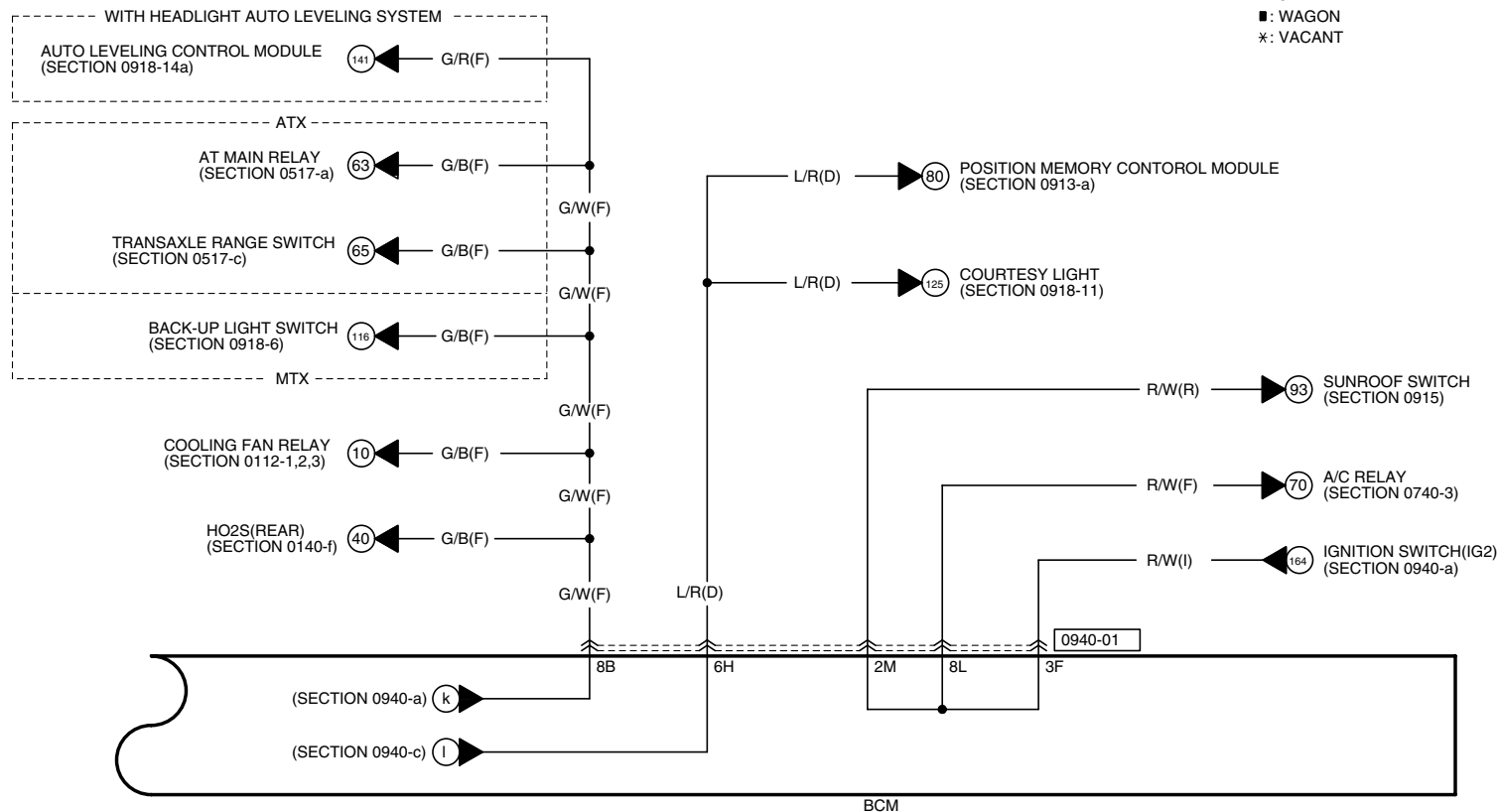


< > NOT USED
 @ : WITH HEADLIGHT MANUAL LEVELING SYSTEM
 ▲ : 5HB
 ▼ : ATX
 ■ : WAGON
 * : VACANT



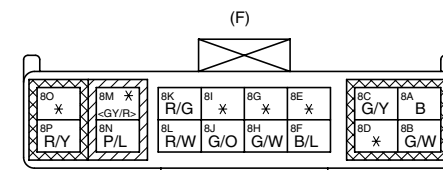
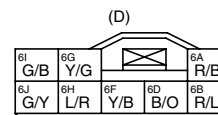
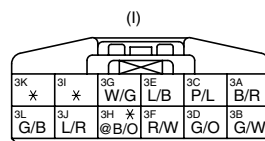
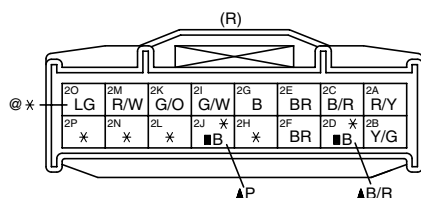
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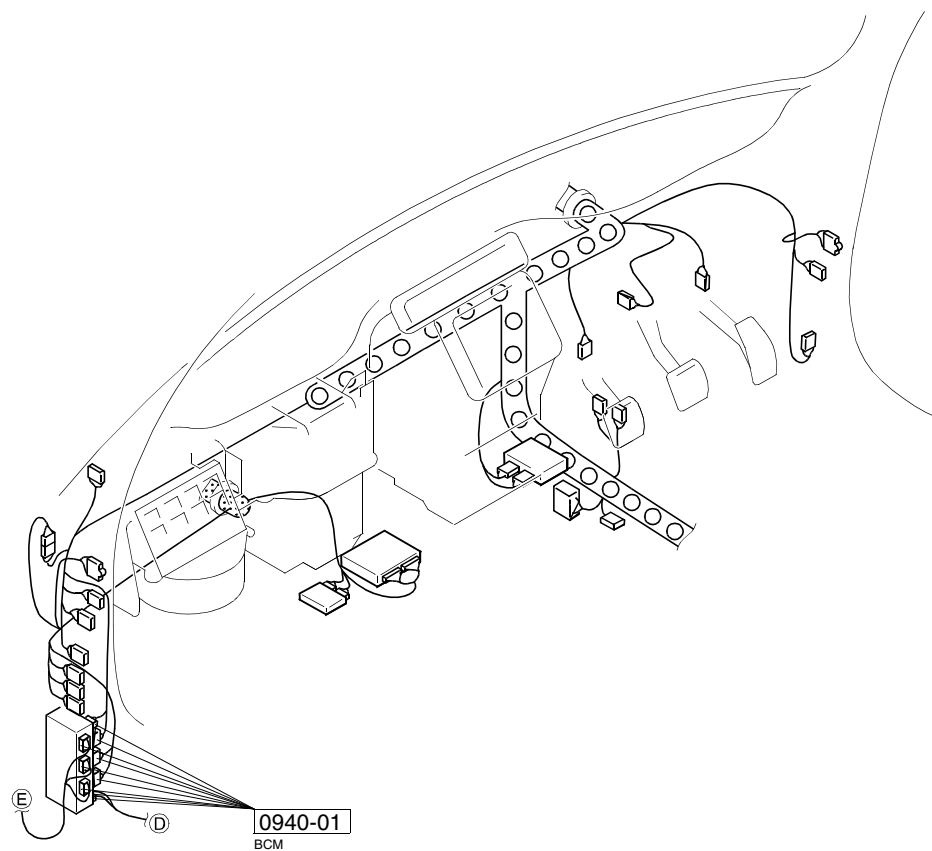




< > NOT USED
 @ : WITH HEADLIGHT MANUAL LEVELING SYSTEM
 ▲ : 5HB
 ■ : WAGON
 * : VACANT

0940-01
 BCM





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