

WARNING

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

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

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

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

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

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

Mazda

BT-50

Wiring Diagram

Supplement

FOREWORD

This wiring diagram incorporates the wiring schematics of the Mazda BT-50 and available optional equipment. Actual vehicle wiring may vary slightly depending on optional equipment or local specifications, or both.

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

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

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

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

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Mazda Motor Corporation
HIROSHIMA, JAPAN

APPLICATION:

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

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

MM0 UNY0E300

SYSTEM INDEX

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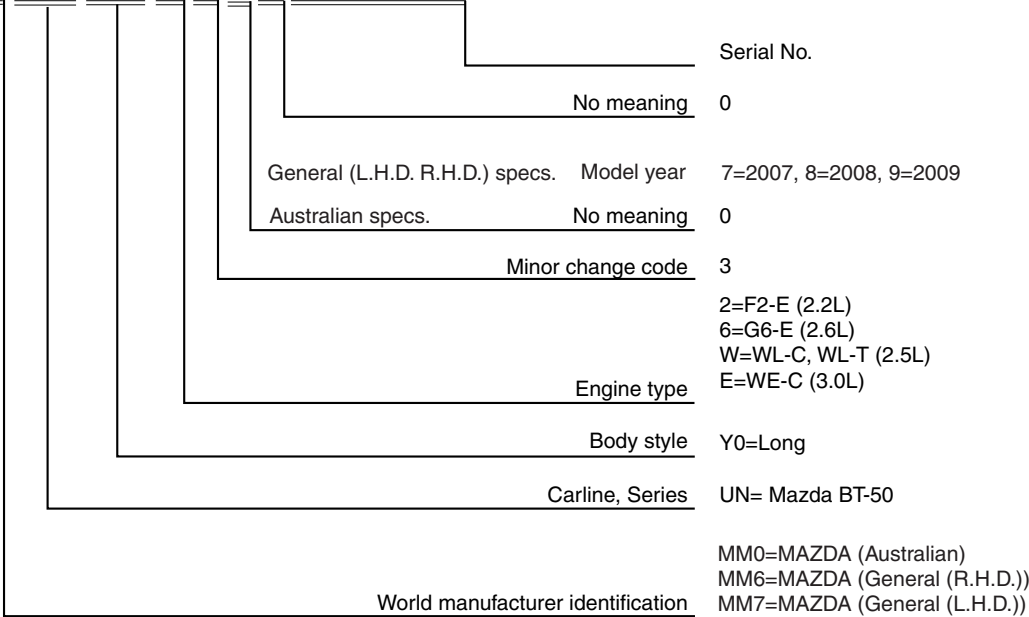
Two digits (section ID) indicated in front of each title are commonly used with the Workshop Manual.

00R

Reading Wiring Diagrams

VEHICLE IDENTIFICATION NUMBER (VIN) CODE

M M 0 U N Y 0 W 3 0 0 1 2 3 4 5 6



VEHICLE IDENTIFICATION NUMBERS (VIN)

MM0 UNY0E300

00E



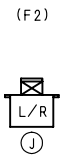
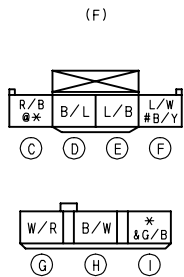
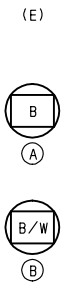
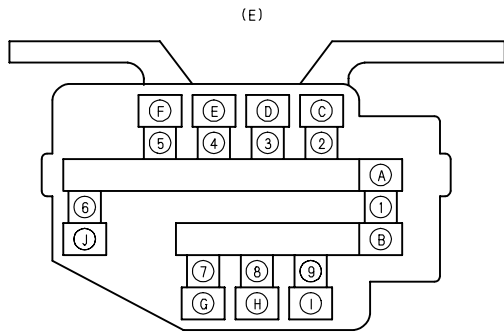
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FUSE BOX

00F

F-01 MAIN FUSE BLOCK

* ... VACANT
... WLT
@ ... G6
& ... AT



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

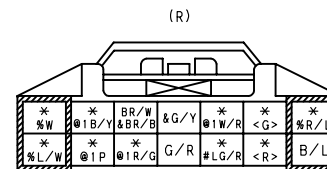
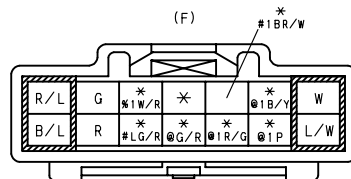
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C-02 FRONT (F) -REAR (R)

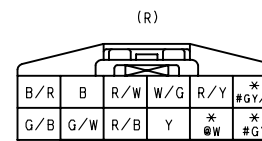
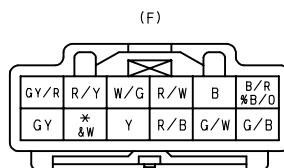


```

* ... VACANT
# ... WITH THEFT-DETERRENT SYSTEM
< > ... WITH REAR POWER DOOR LOCK SYSTEM
% ... WITH REAR POWER WINDOW SYSTEM
& ... NOT USED
@ ... G6
#1... WITH BUCKLE SWITCH
%1... 4X4 AT
@1... AT

```

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

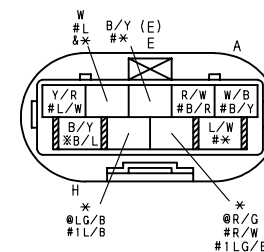
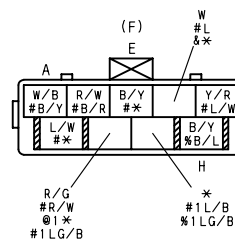


```

X ... VACANT
# ... WITH REAR SPEAKER
% ... G6
@ ... 4X4
& ... 4X4 AT

```

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

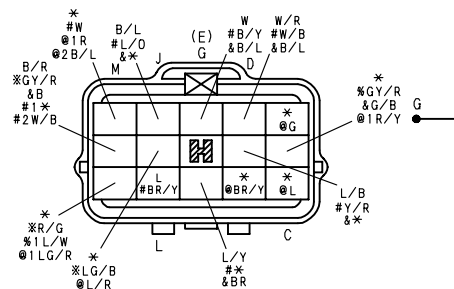
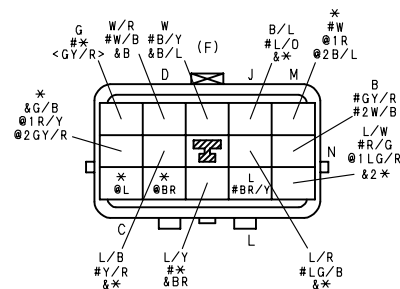


```

* ... VACANT
# ... WLT
@ ... WL-C, WE-C WITH RFW CONTROL SYSTEM
% ... WITH STARTER RELAY
& ... G6
#1... 4X4 AT
@1... 4X2 AT
%1... AT
%1... MT EXCEPT WLT

```

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



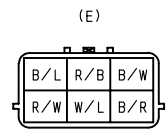
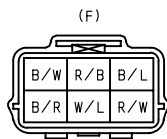
```

* ... VACANT
# ... WLT
% ... WL-C, WE-C WITH RFW
      CONTROL SYSTEM
& ... G6
@ ... WL-C, WE-C
< > ... NOT USED
% ... WLT WITH RFW
      CONTROL SYSTEM
#1 ... WLT 4X2
#2 ... AT
@1 ... 4X4 AT
@2 ... MT "WL-C, WE-C"
&1 ... 4X2
&2 ... 4X2 AT
%1 ... MT EXCEPT WLT

```

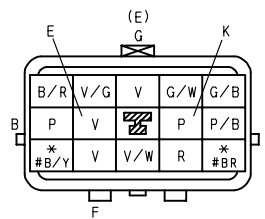
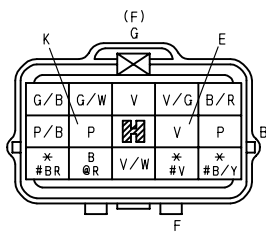
COMMON CONNECTOR LIST

C-29 FRONT (F) -ENGINE (E)

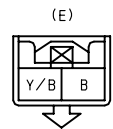
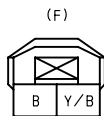


C-30 FRONT (F) -ENGINE (E)

* ... VACANT
... 4X4 AT
@ ... WITH STARTER CUT SYSTEM

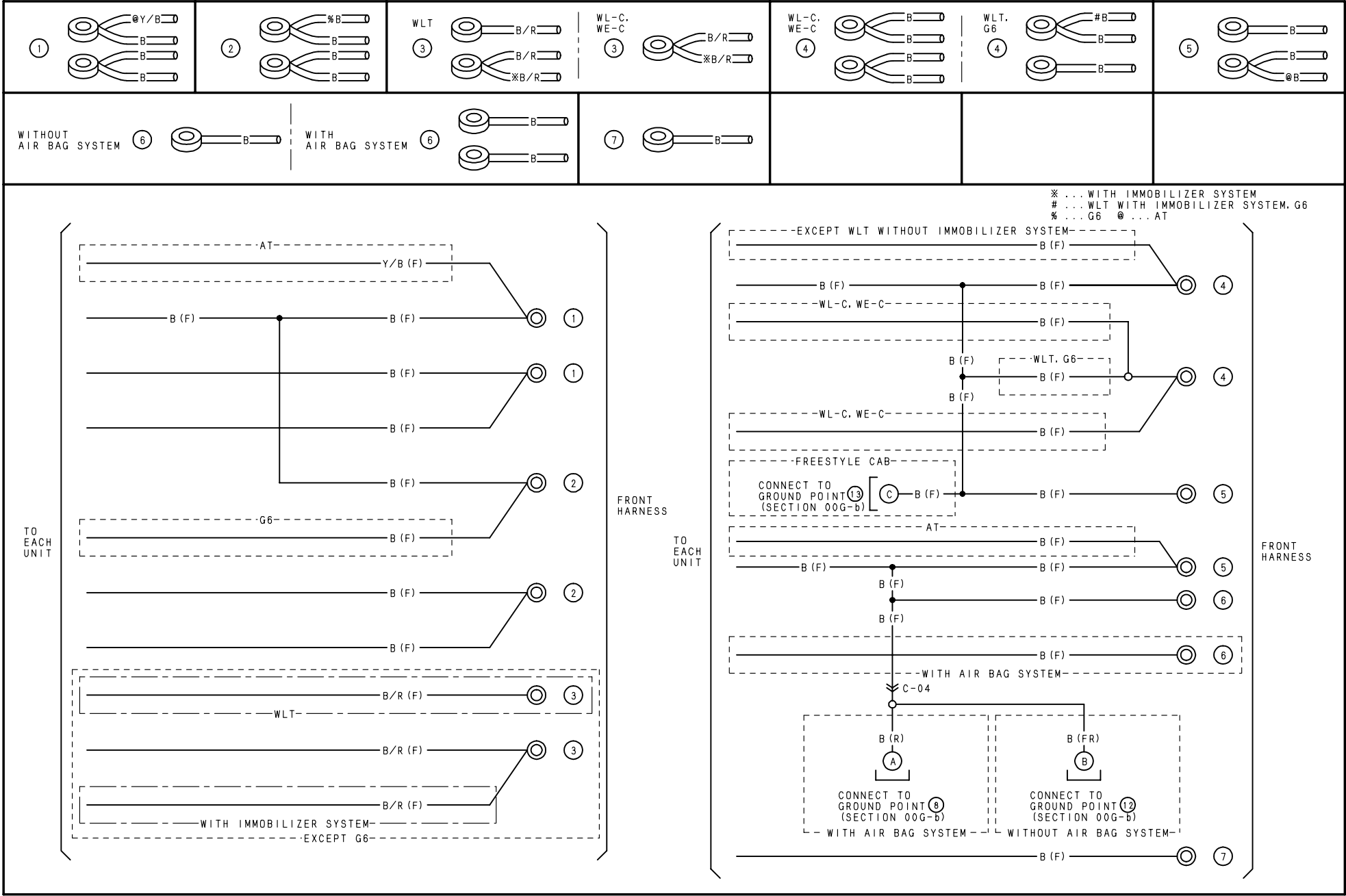


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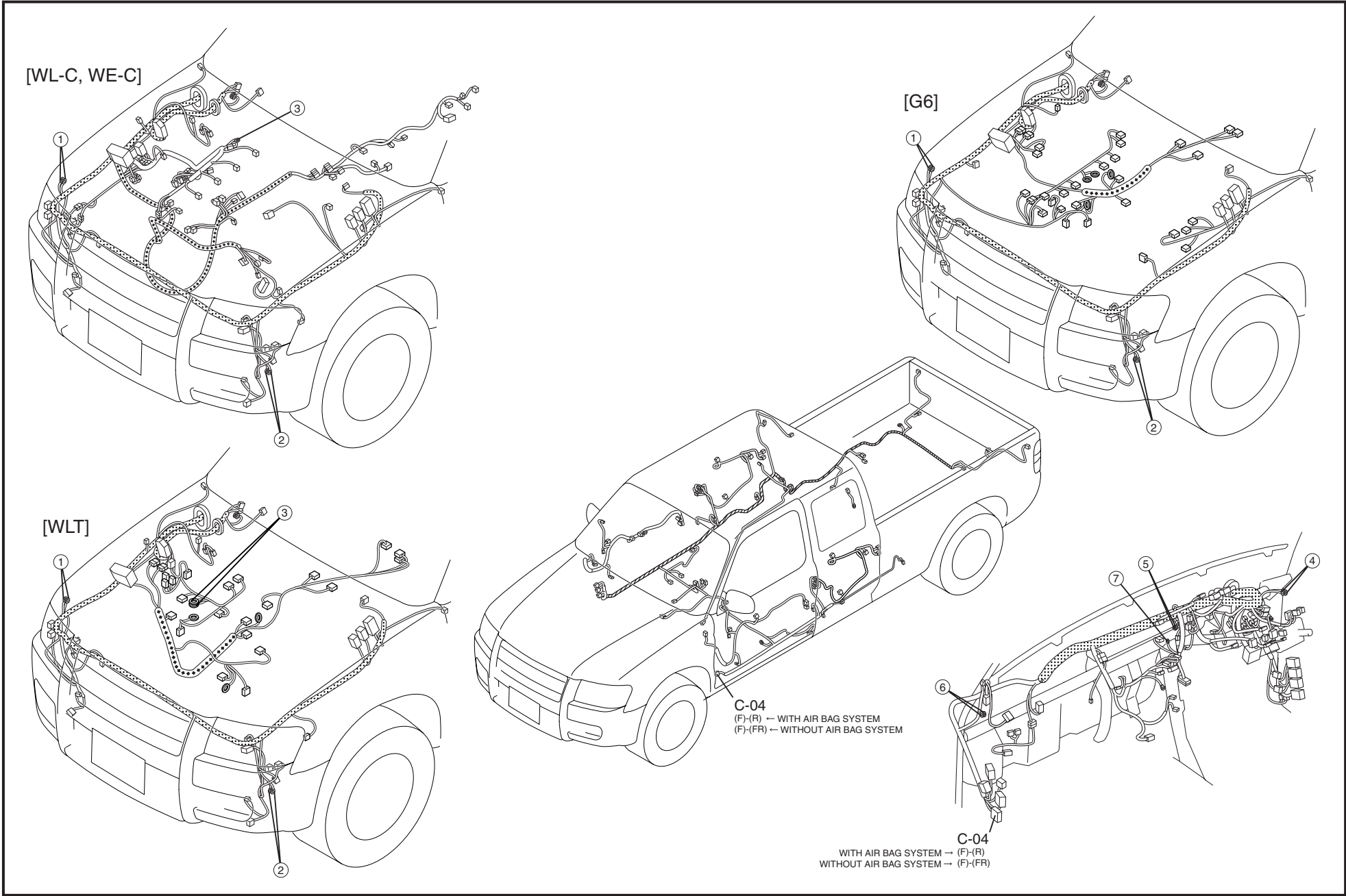


GROUND POINT

00G-a



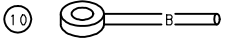
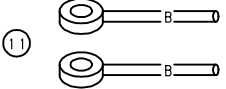
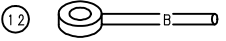
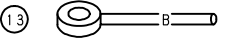

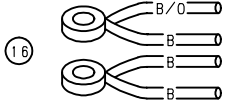


HARNESS SYMBOL:  (F)  (E)  (R)

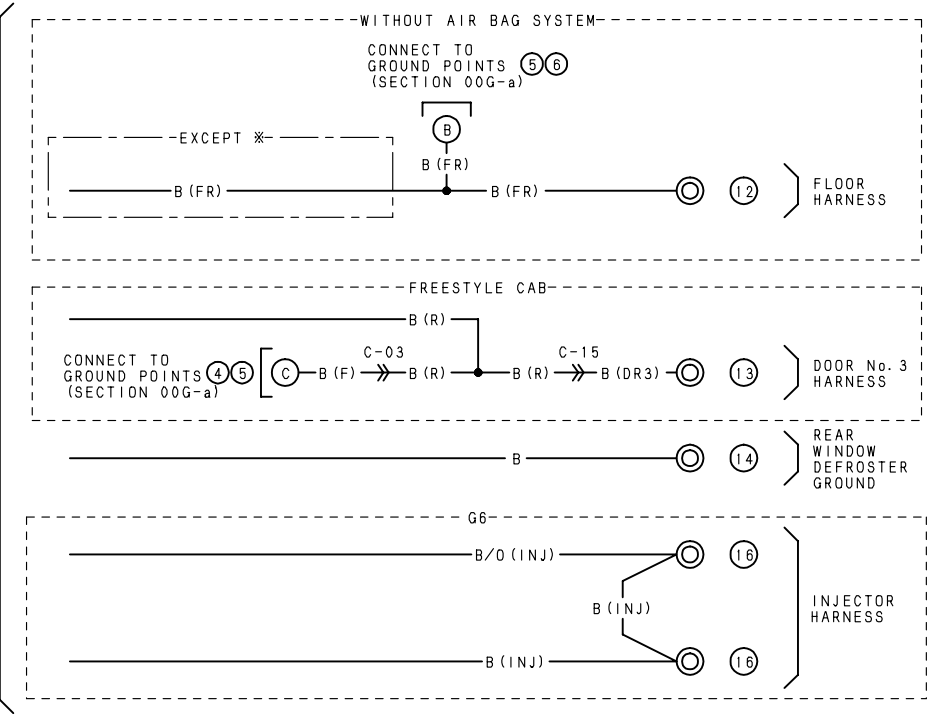
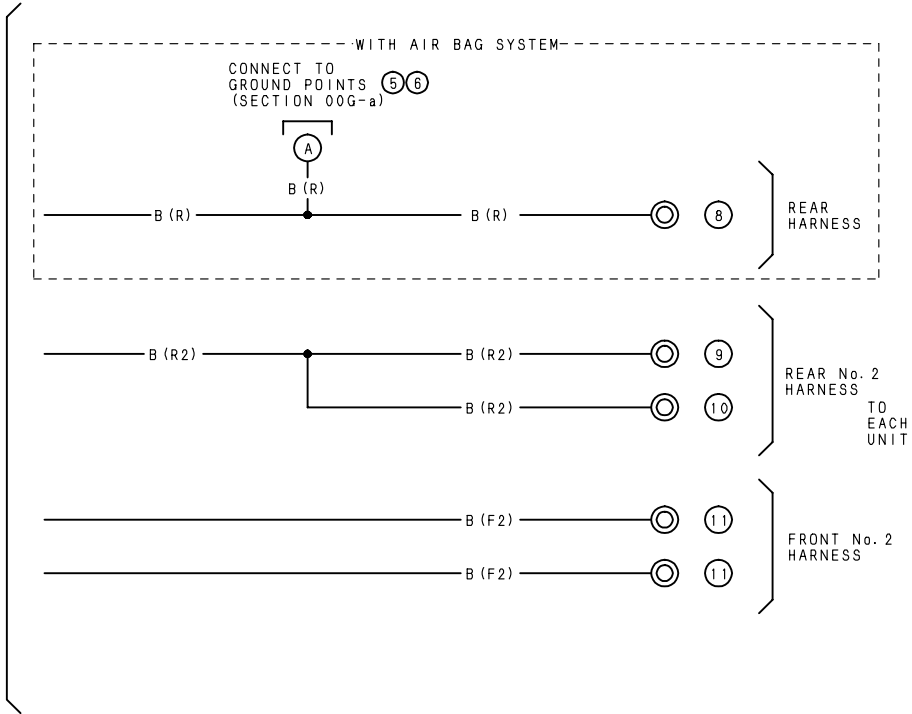





GROUND POINT

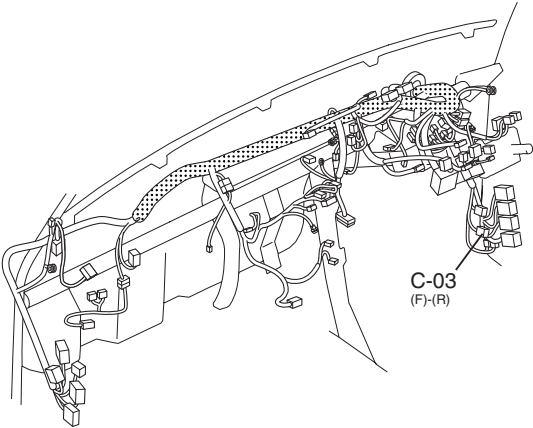
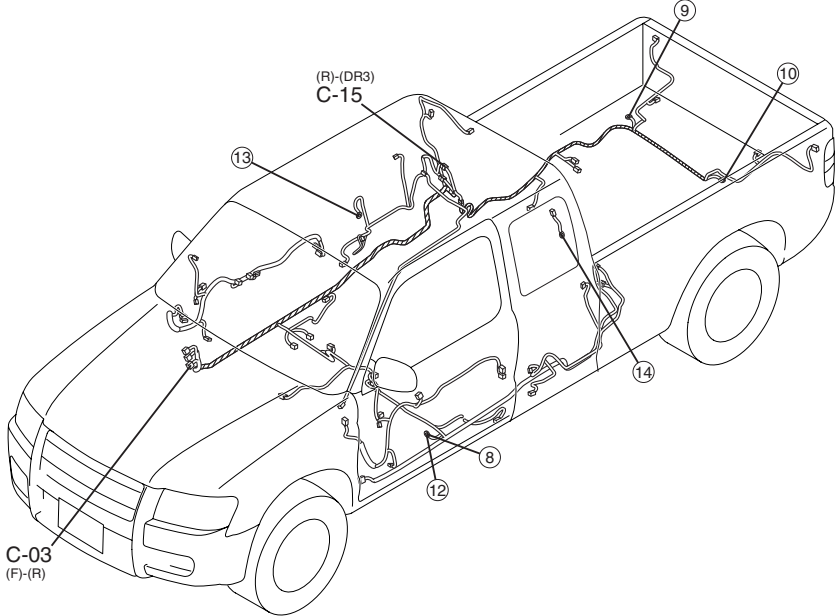
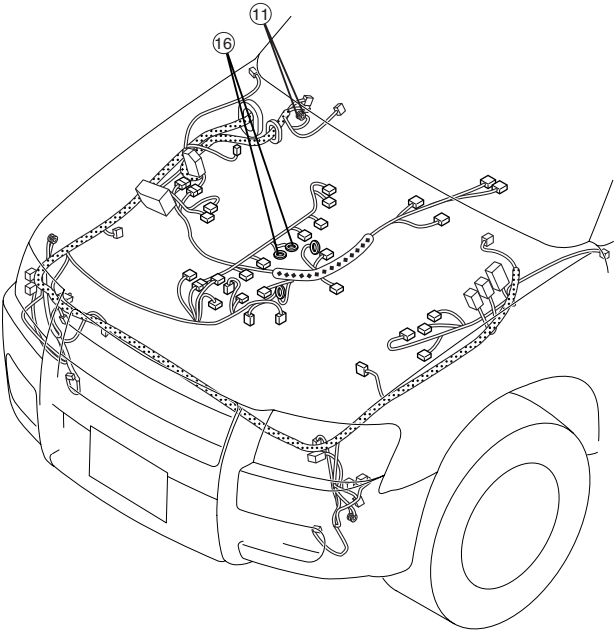
00G-b

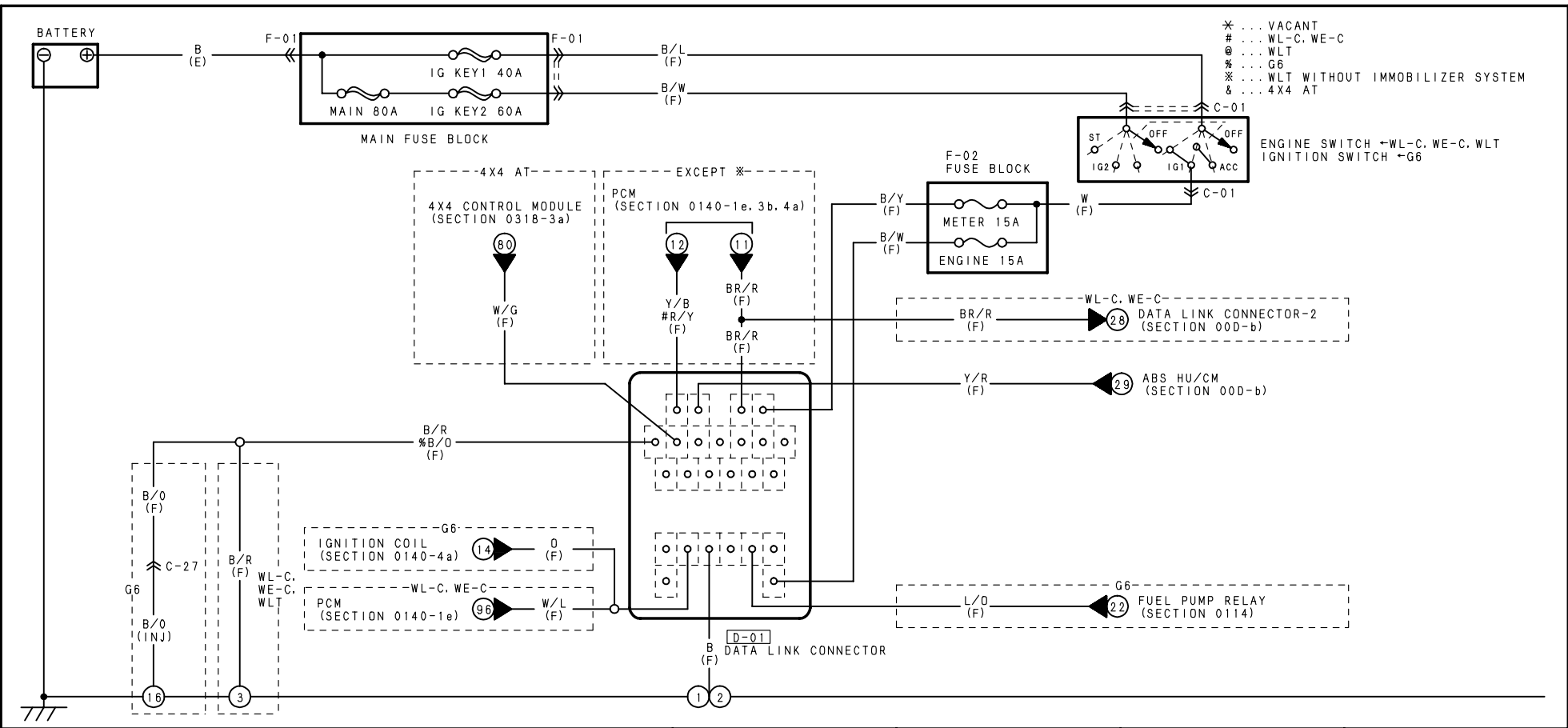
						
						

※ ... REGULAR CAB

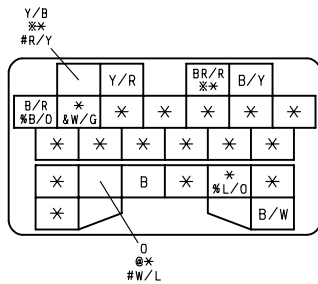
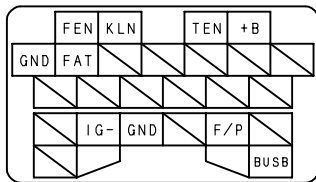


HARNESS SYMBOL:  (F)  (E)  (R)



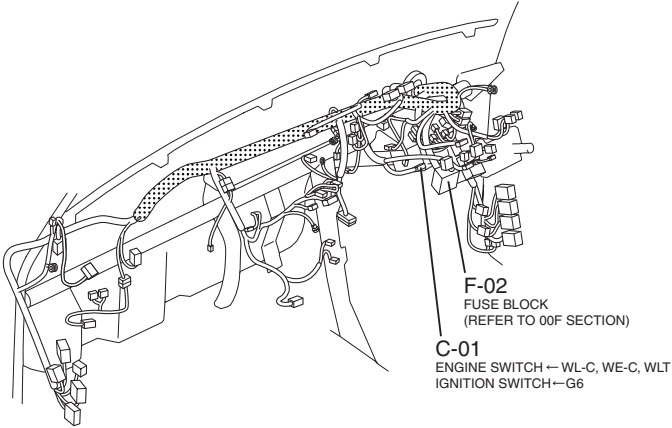
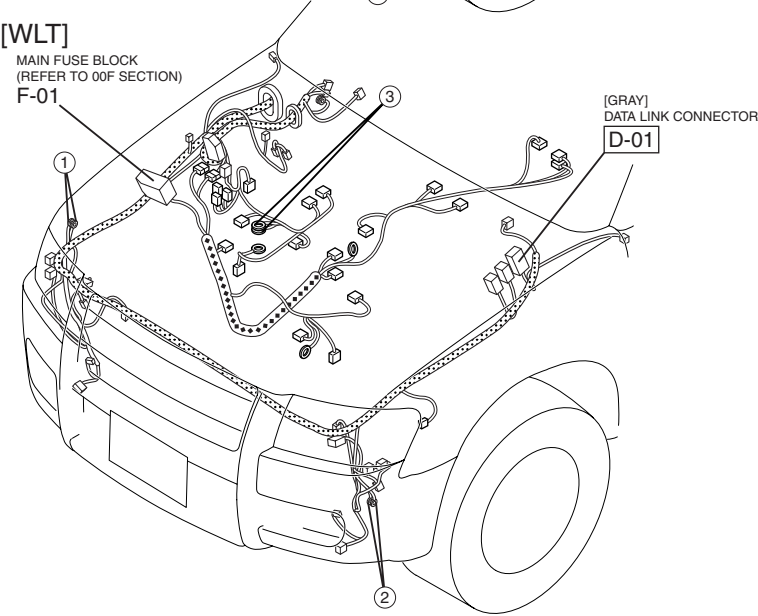
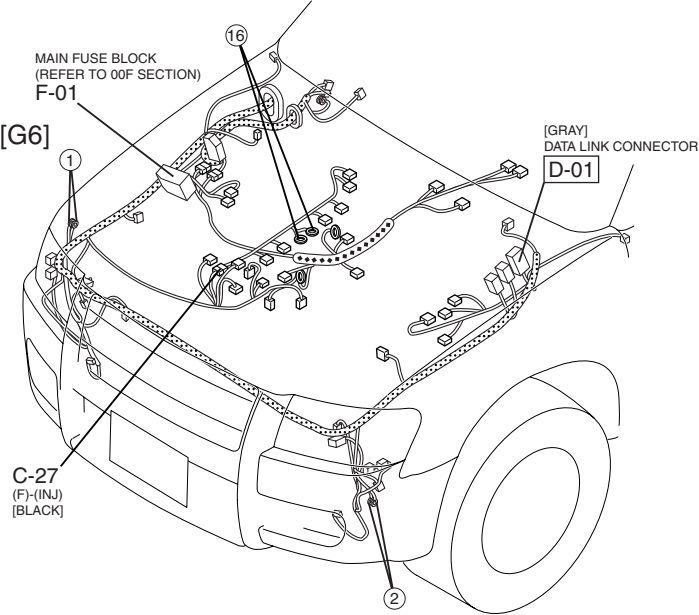
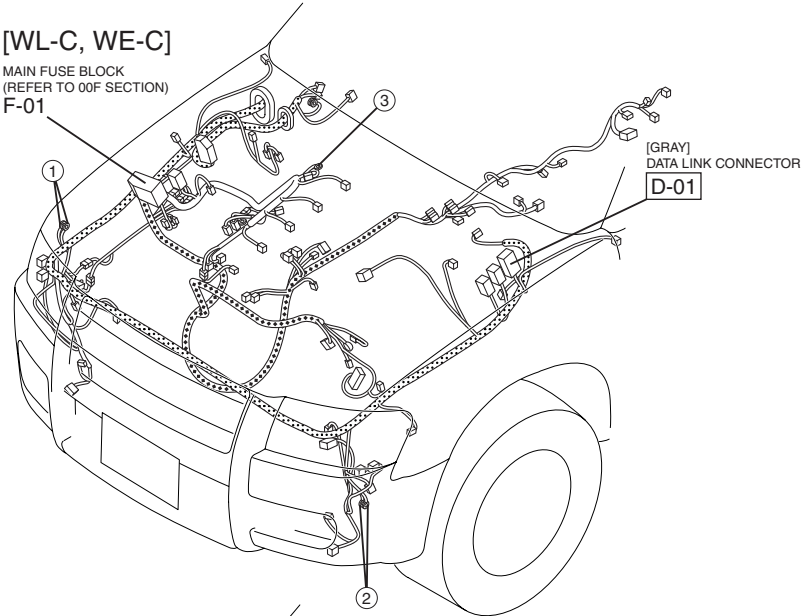


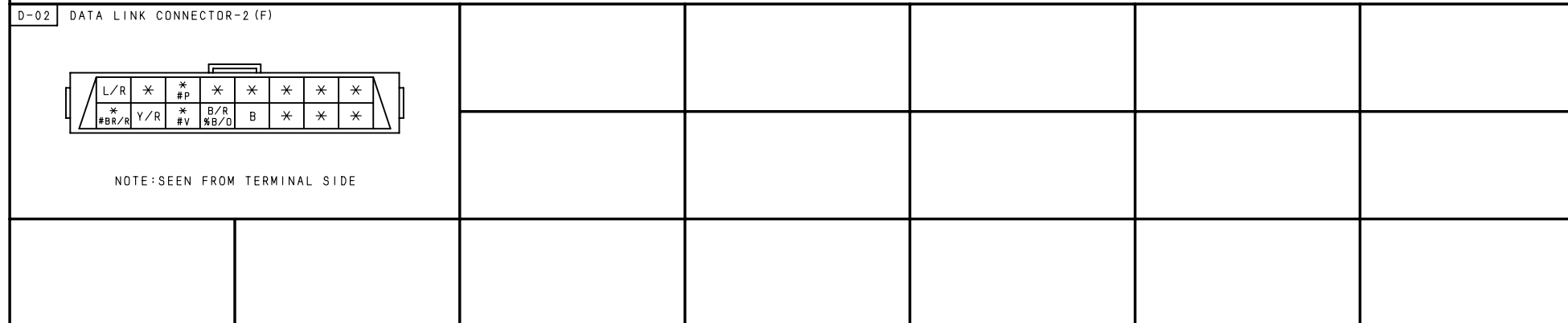
D-01 DATA LINK CONNECTOR (F)



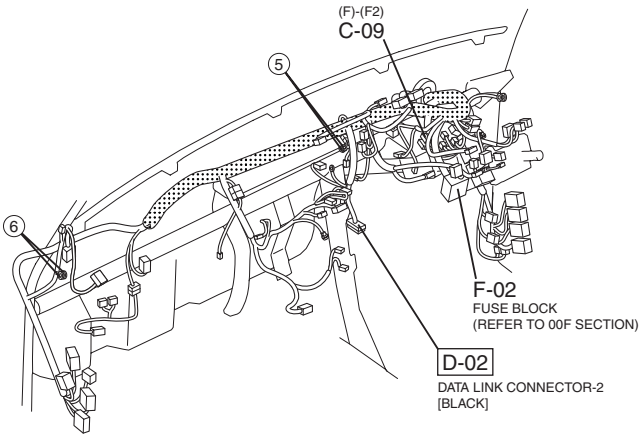
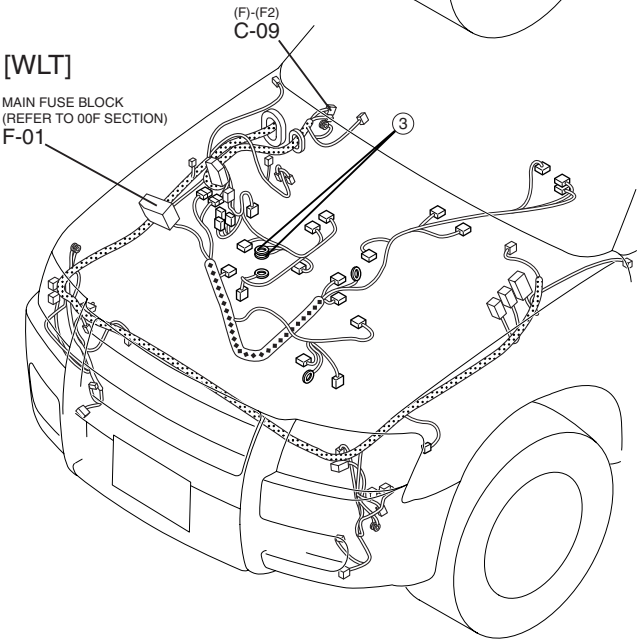
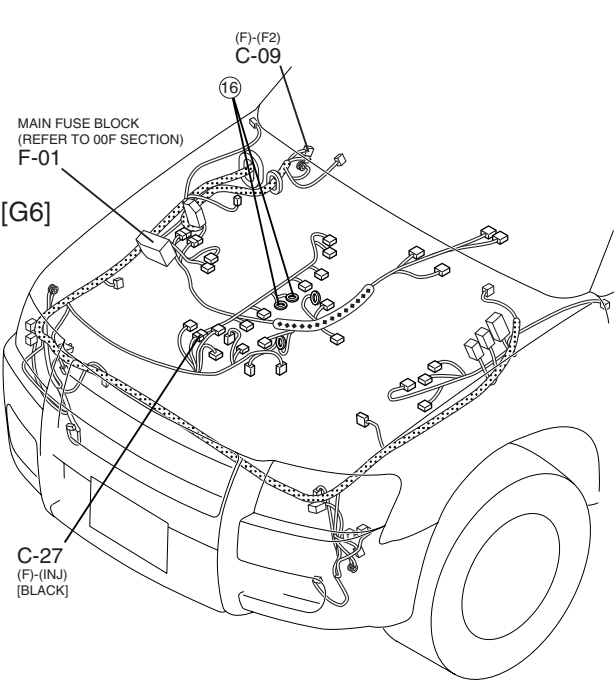
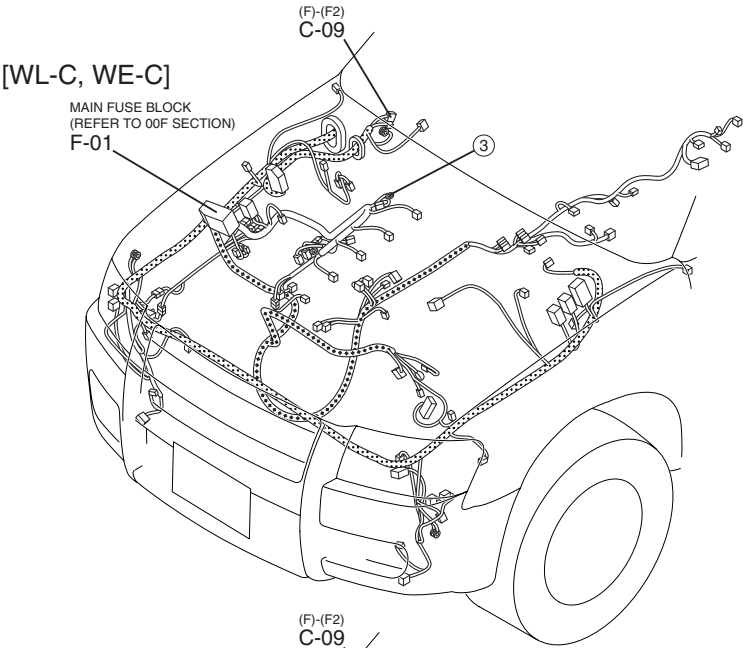
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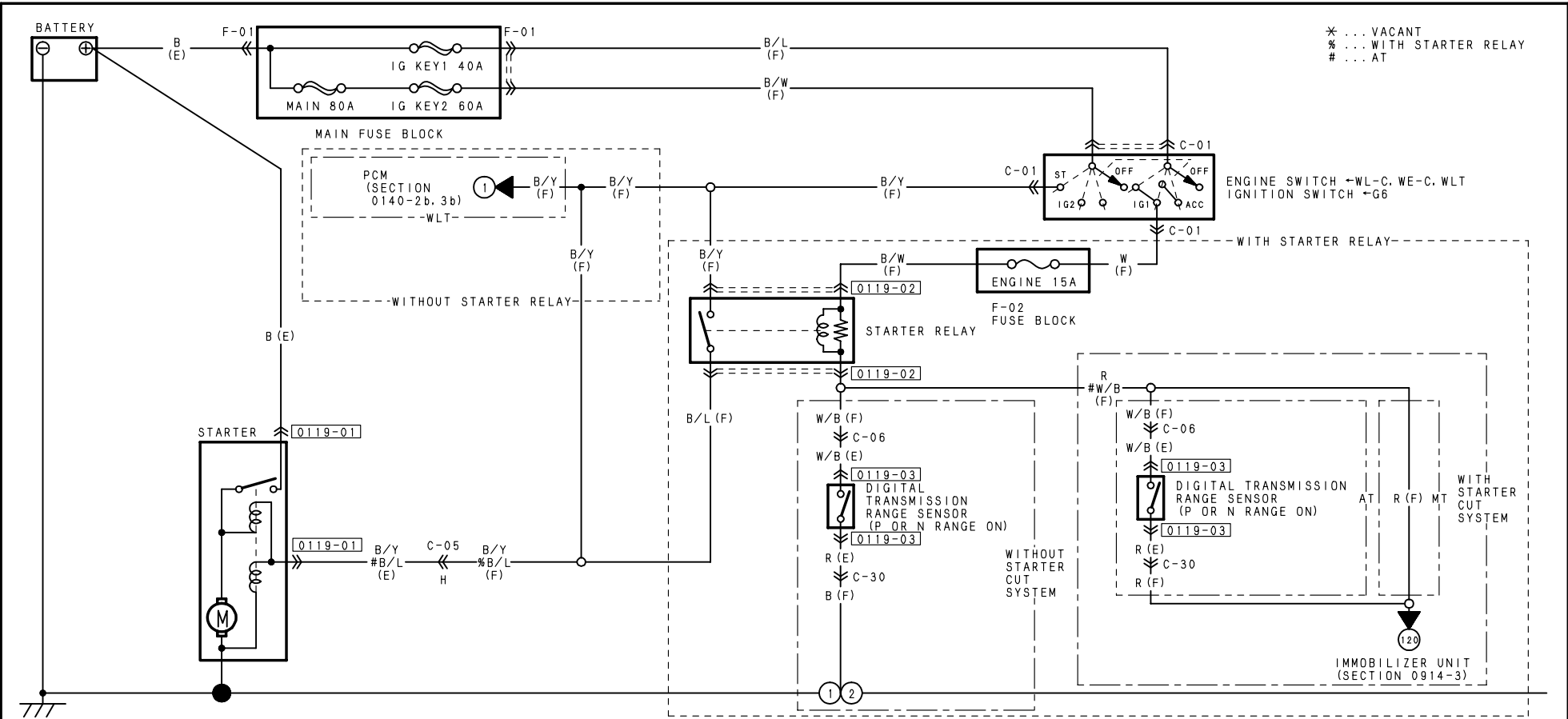
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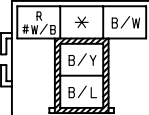
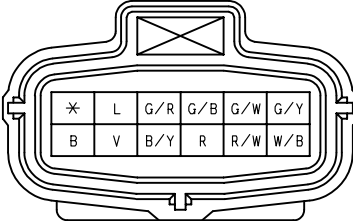




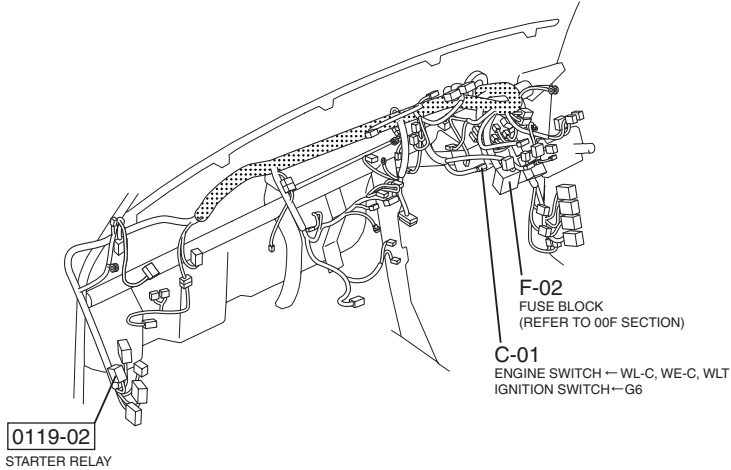
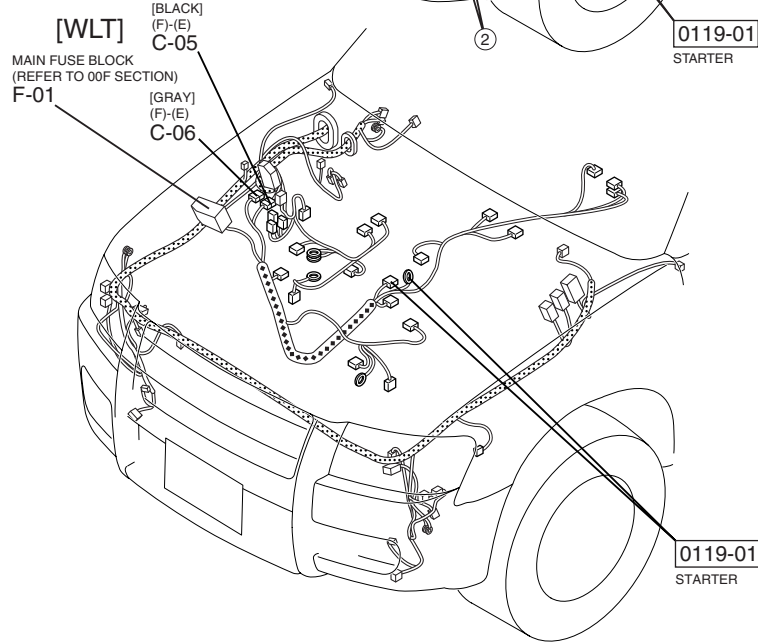
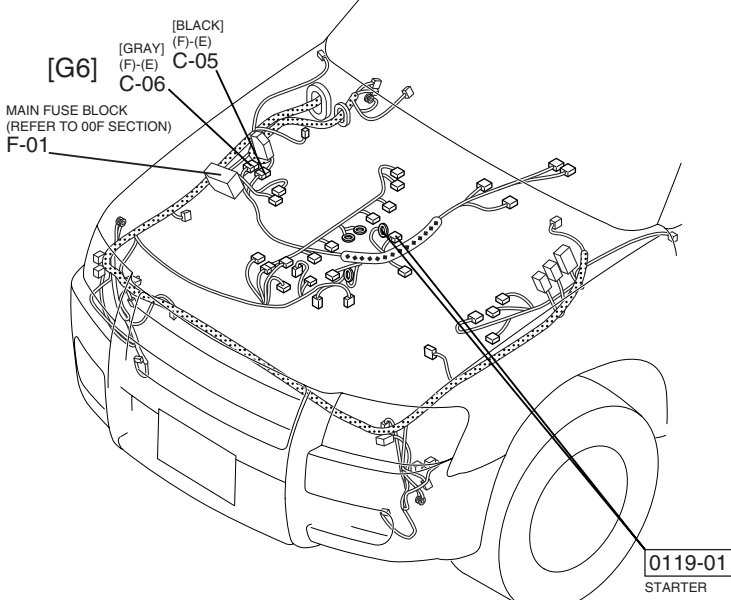
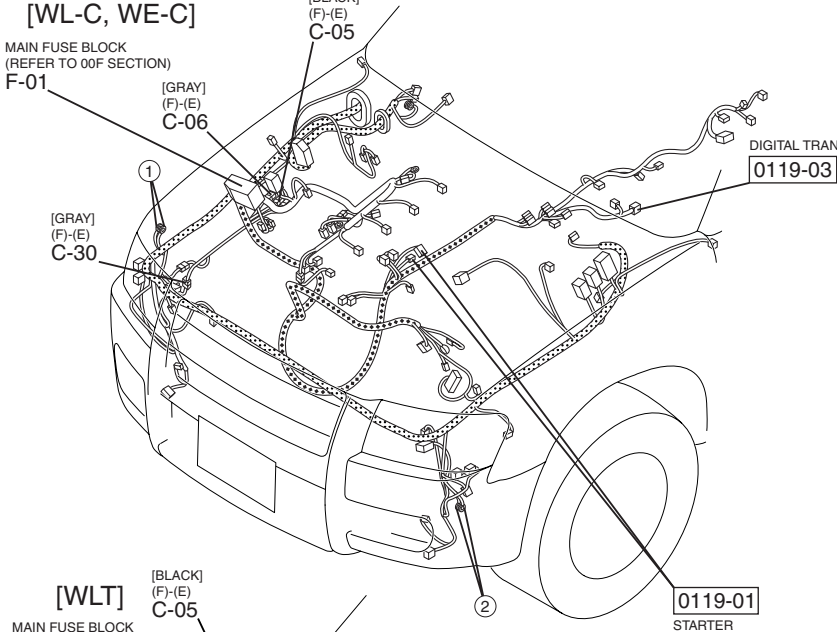
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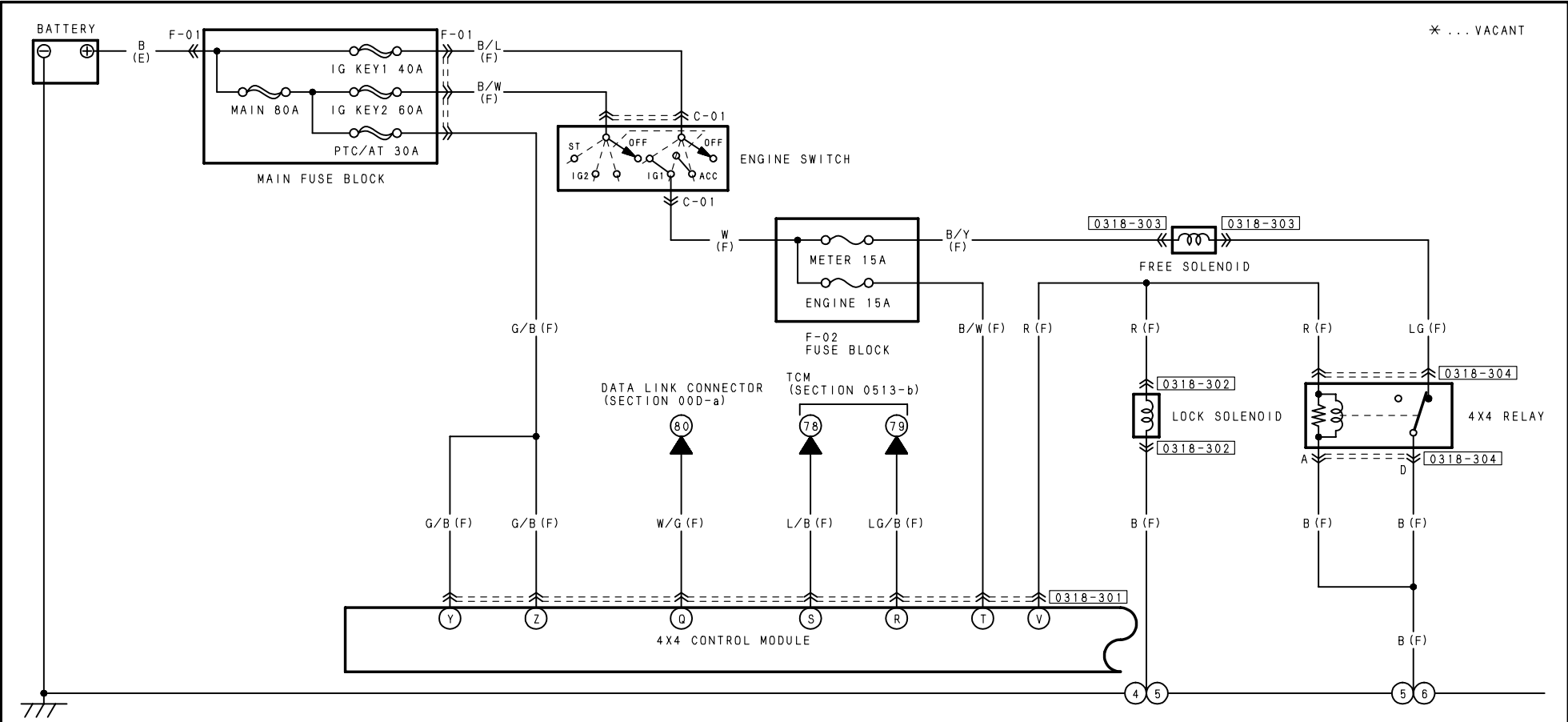




0119-01	STARTER (E)	0119-02	STARTER RELAY (F)	0119-03	DIGITAL TRANSMISSION RANGE SENSOR (E)	
						

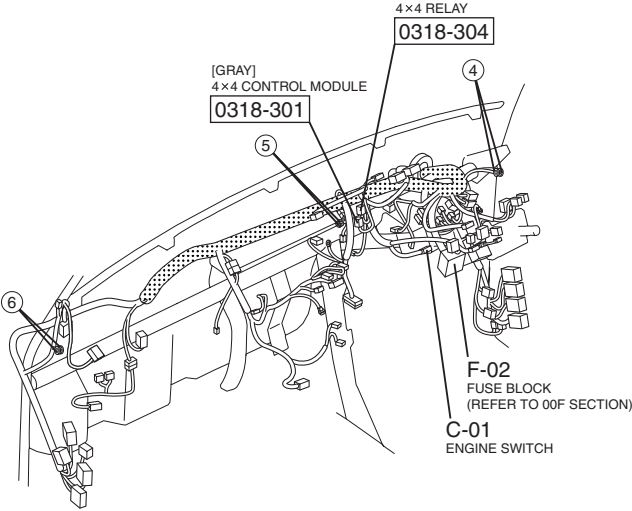
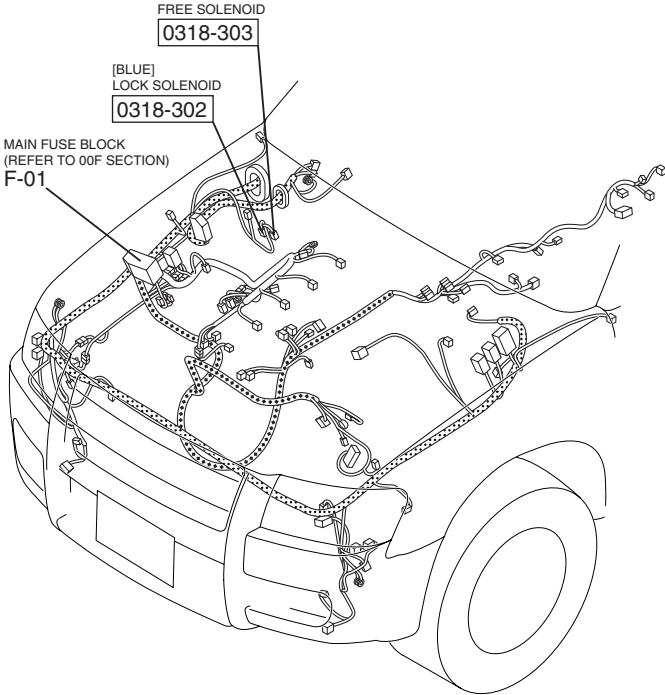
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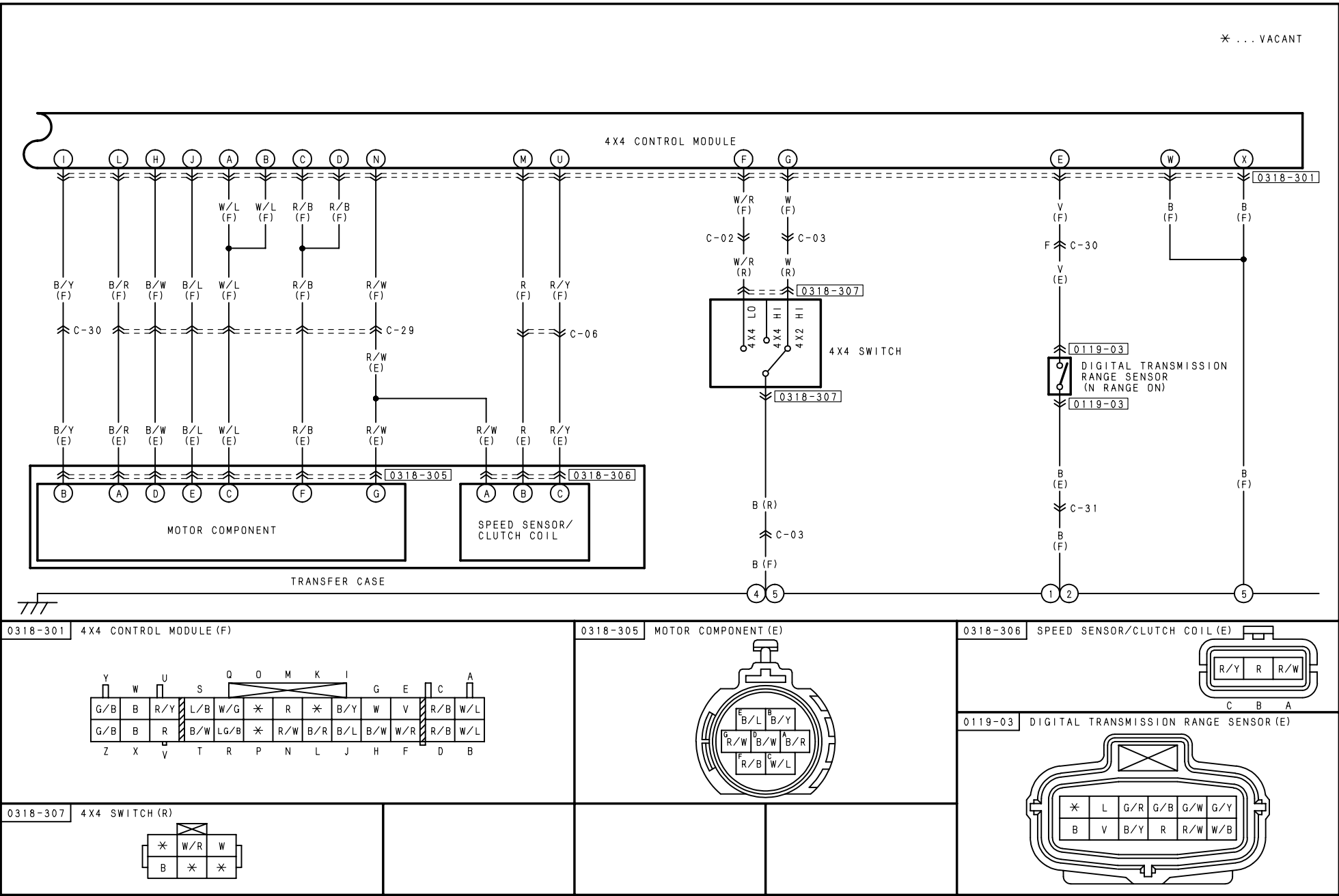


0318-301	4 X4 CONTROL MODULE (F)	0318-302	LOCK SOLENOID (F)	0318-303	FREE SOLENOID (F)																																							
<div><div><div>Y</div><div>W</div><div>U</div><div>S</div><div>Q</div><div>O</div><div>M</div><div>K</div><div>I</div><div>G</div><div>E</div><div>C</div><div>A</div></div><table><tr><td>G/B</td><td>B</td><td>R/Y</td><td>L/B</td><td>W/G</td><td>*</td><td>R</td><td>*</td><td>B/Y</td><td>W</td><td>V</td><td>R/B</td><td>W/L</td></tr><tr><td>G/B</td><td>B</td><td>R</td><td>B/W</td><td>LG/B</td><td>*</td><td>R/W</td><td>B/R</td><td>B/L</td><td>B/W</td><td>W/R</td><td>R/B</td><td>W/L</td></tr><tr><td>Z</td><td>X</td><td>V</td><td>T</td><td>R</td><td>P</td><td>N</td><td>L</td><td>J</td><td>H</td><td>F</td><td>D</td><td>B</td></tr></table></div>		G/B	B	R/Y	L/B	W/G	*	R	*	B/Y	W	V	R/B	W/L	G/B	B	R	B/W	LG/B	*	R/W	B/R	B/L	B/W	W/R	R/B	W/L	Z	X	V	T	R	P	N	L	J	H	F	D	B	<div><div><div>R</div><div>B</div></div><div>S</div></div>		<div><div><div>LG</div><div>B/Y</div></div><div>S</div></div>	
G/B	B	R/Y	L/B	W/G	*	R	*	B/Y	W	V	R/B	W/L																																
G/B	B	R	B/W	LG/B	*	R/W	B/R	B/L	B/W	W/R	R/B	W/L																																
Z	X	V	T	R	P	N	L	J	H	F	D	B																																
		0318-304	4 X4 RELAY (F)																																									
		<div><div><div>A</div><div>R</div><div>LG</div><div>B</div></div><div><div>*</div><div>B</div><div>D</div></div></div>																																										

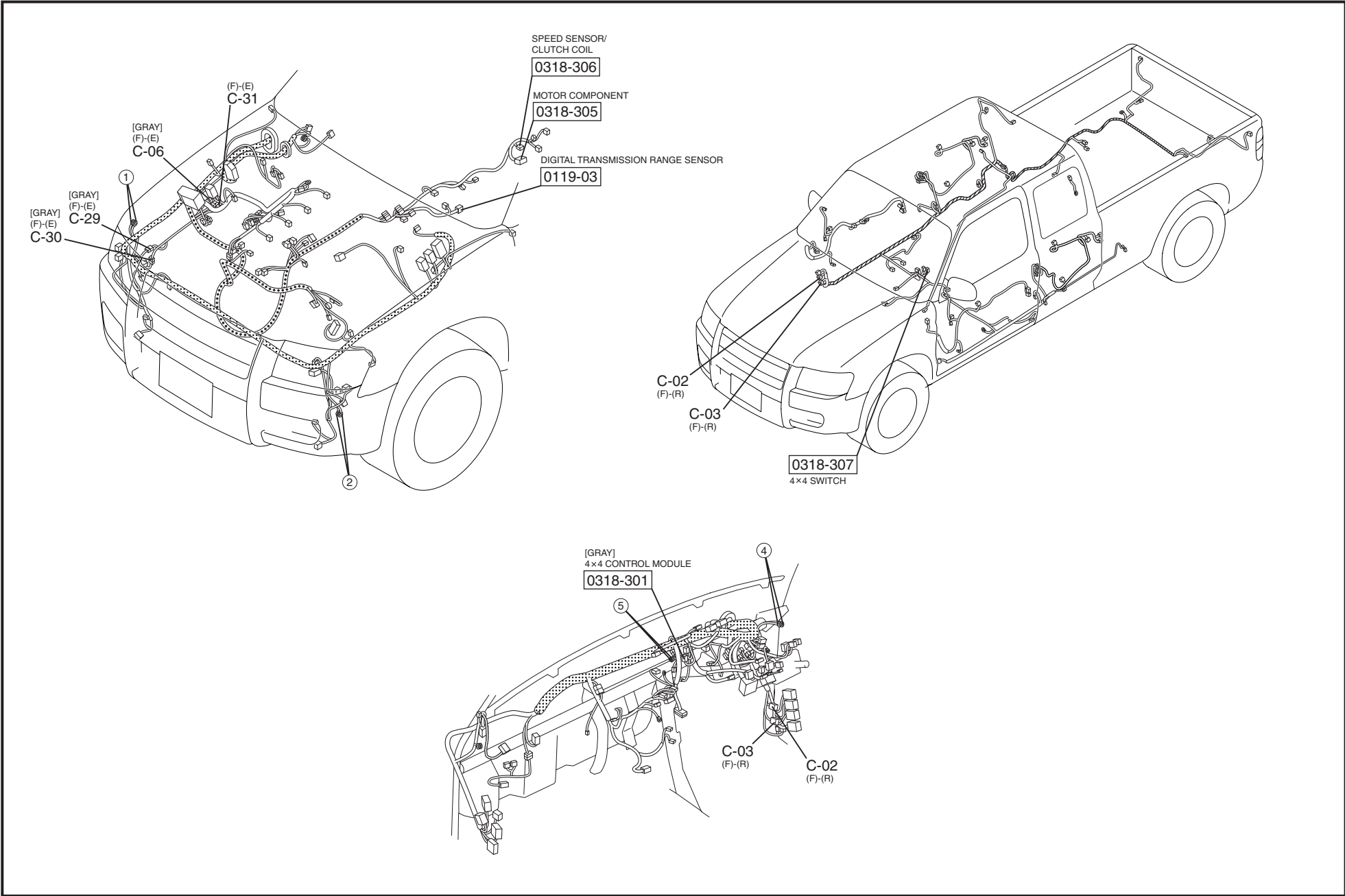
HARNESS SYMBOL:  (F)  (E)  (R)



* ... VACANT

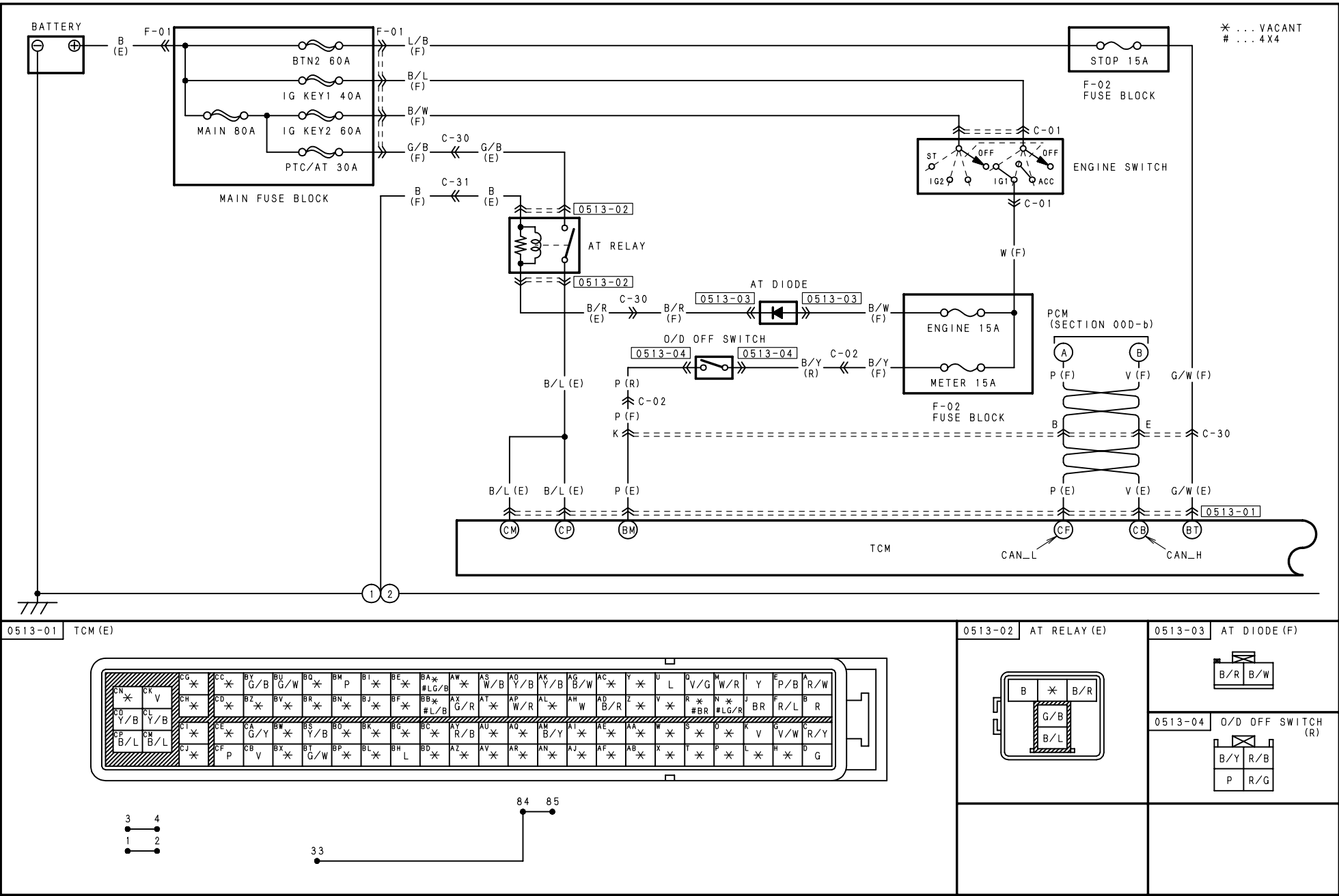


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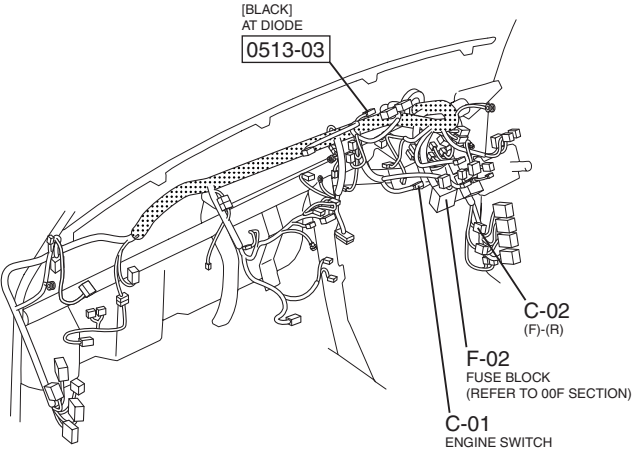
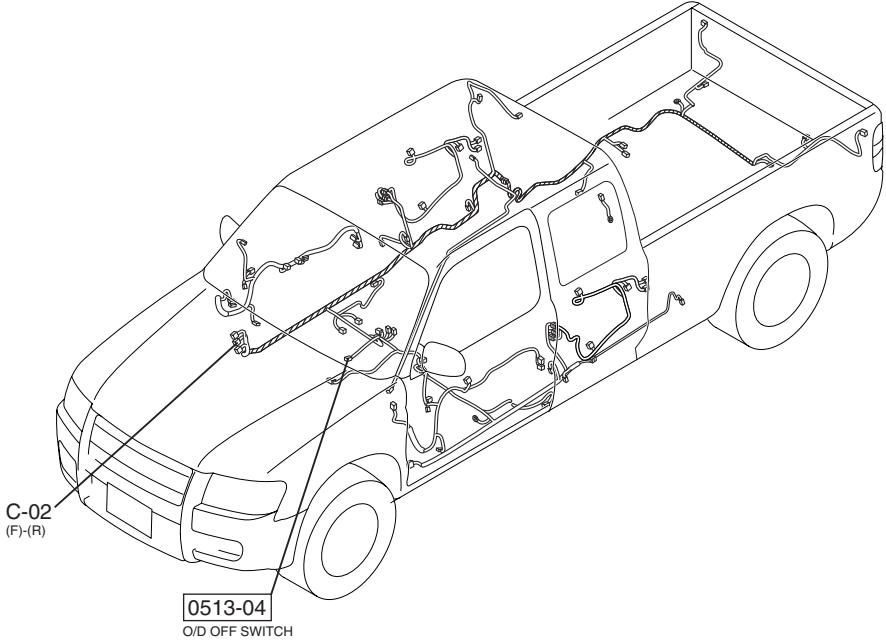
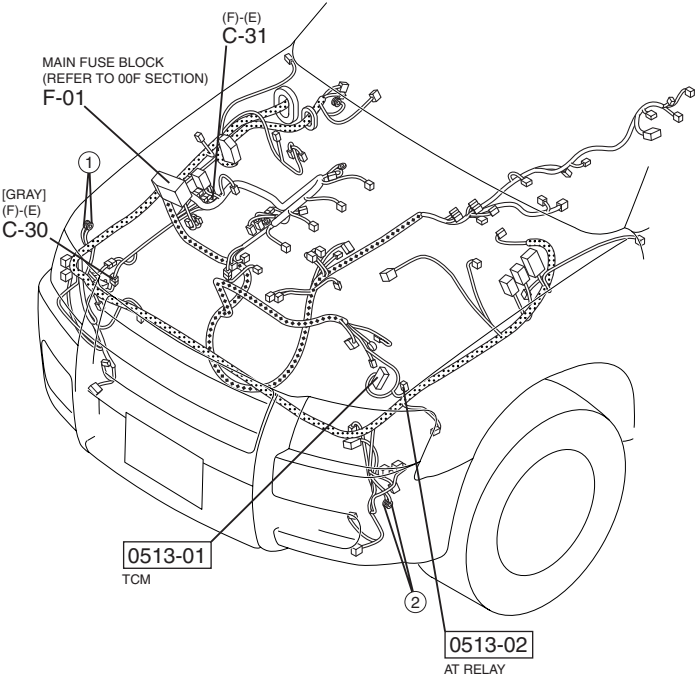


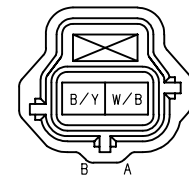
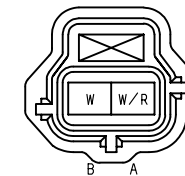
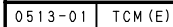
AUTOMATIC TRANSMISSION CONTROL SYSTEM

0513-a

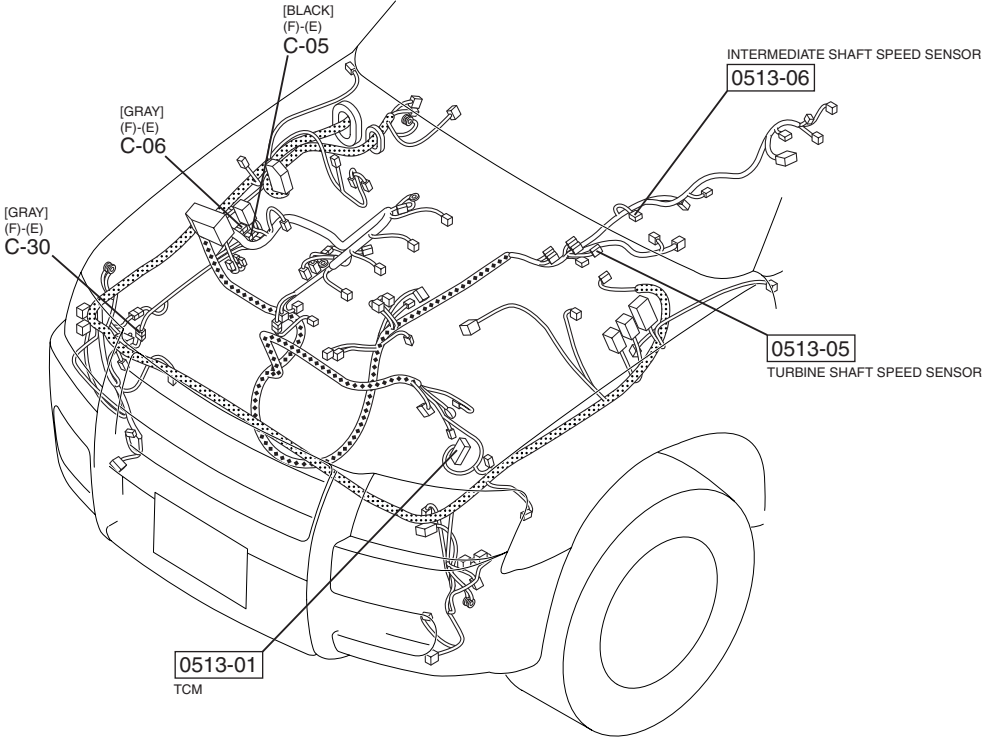


HARNESS SYMBOL:  (F)  (E)  (R)

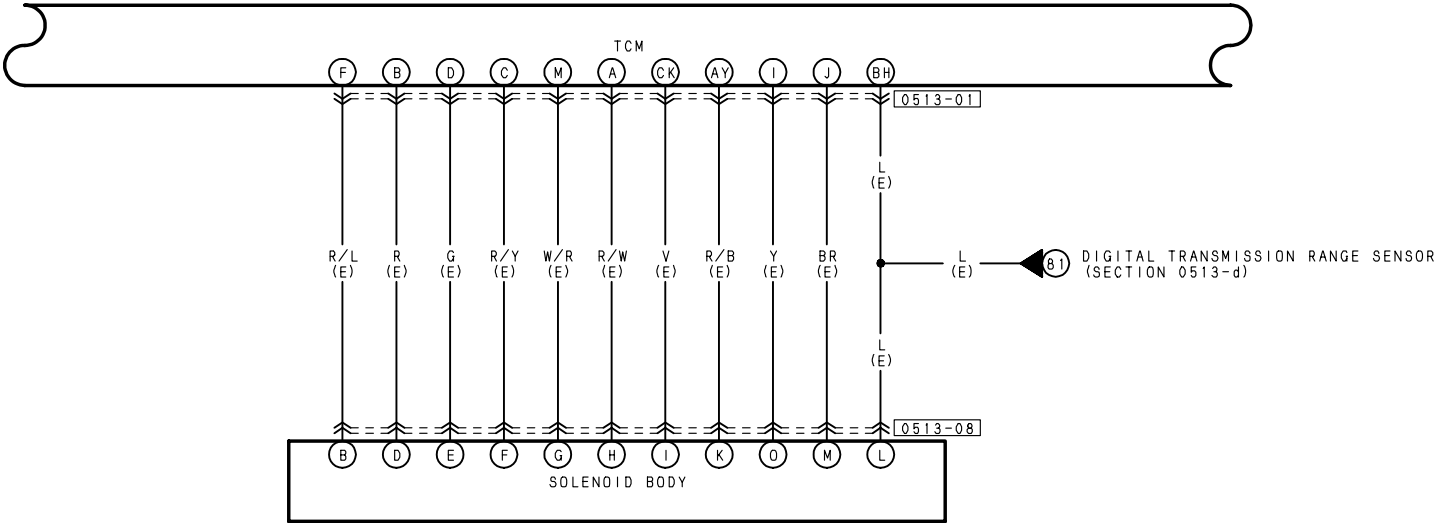




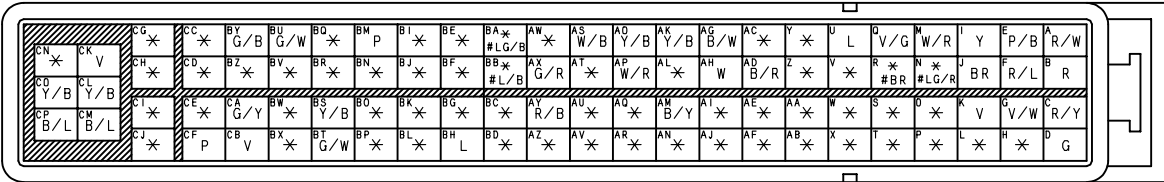
HARNESS SYMBOL:  (F)  (E)  (R)



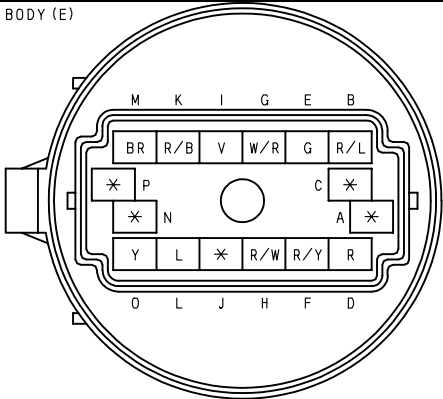
※ ... VACANT
... 4X4






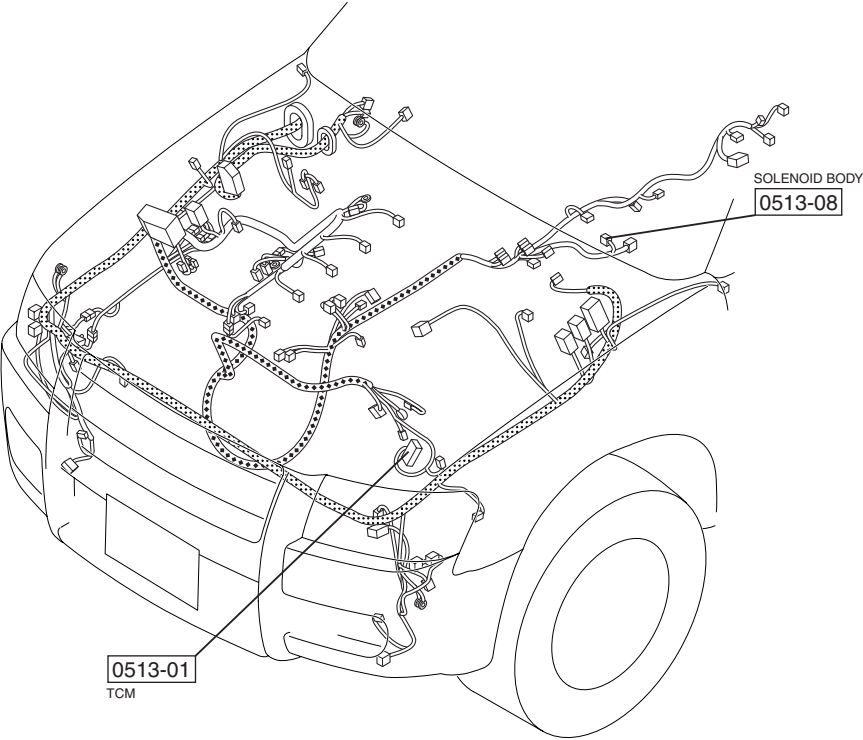
0513-01 TCM (E)



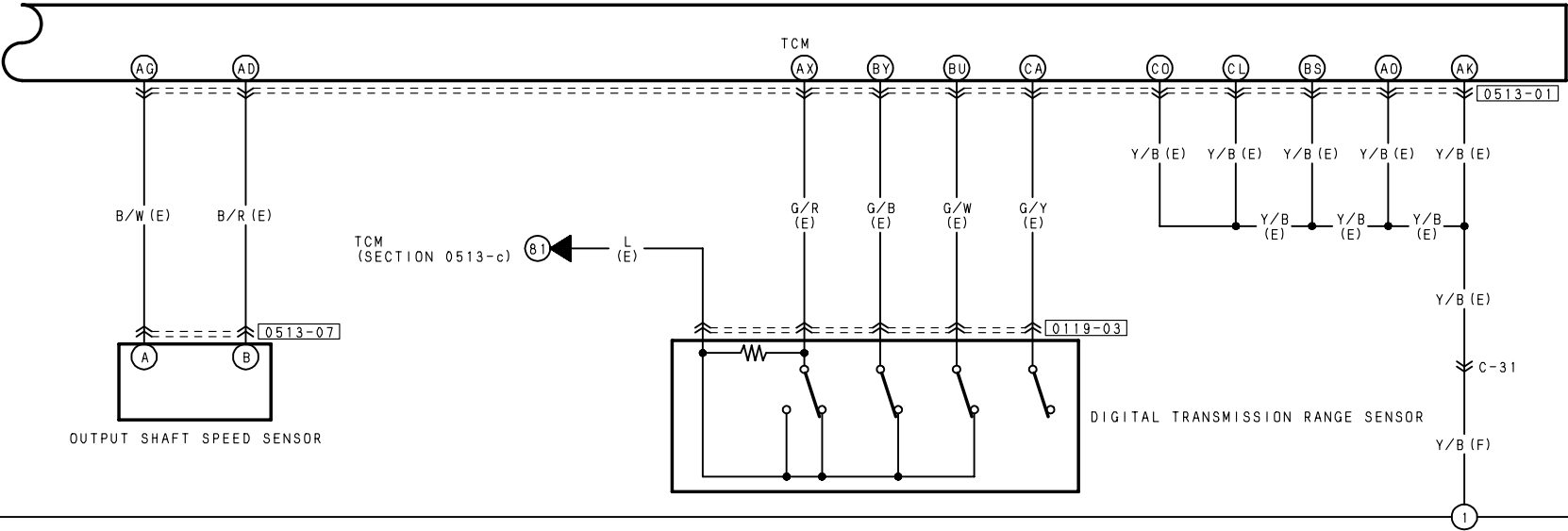
0513-08 SOLENOID BODY (E)



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



* ... VACANT
... 4 X 4



0513-01 TCM (E)

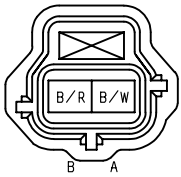
CN	CK	CG	CC	BY	BU	BD	BW	BI	BE	BA	AW	AS	AD	AK	AG	AC	Y	U	L	V	G	W	R	I	Y	E	P	B	R	W
Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B
Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B
Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B	Y/B



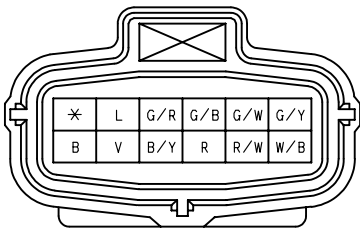
33

84 85

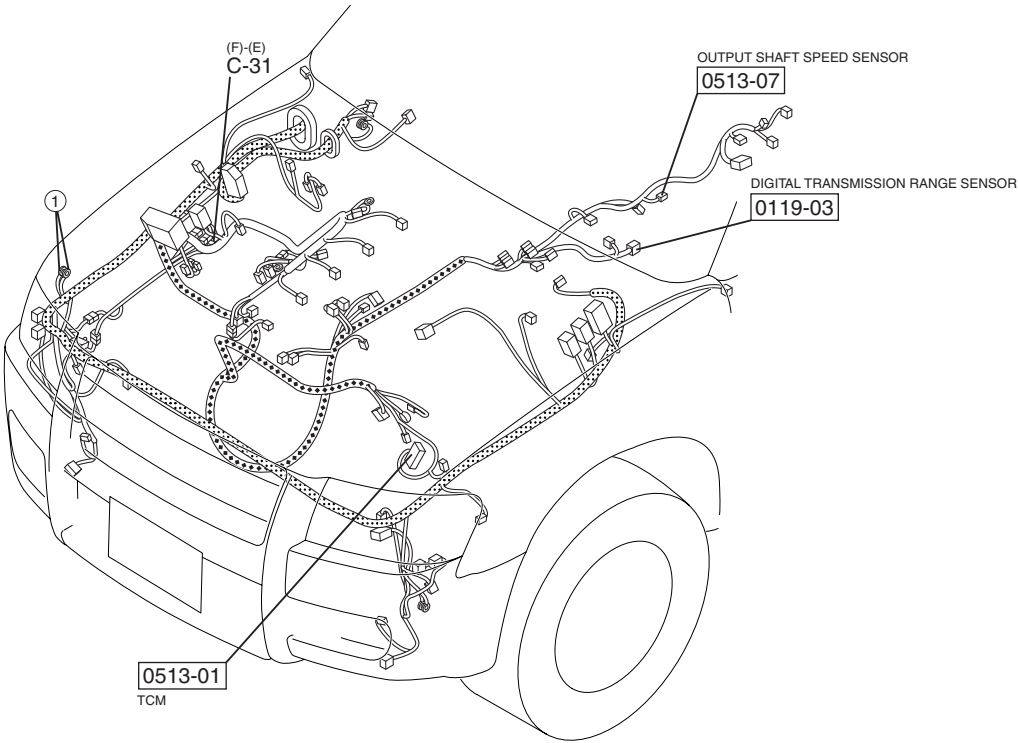
0513-07 OUTPUT SHAFT SPEED SENSOR (E)

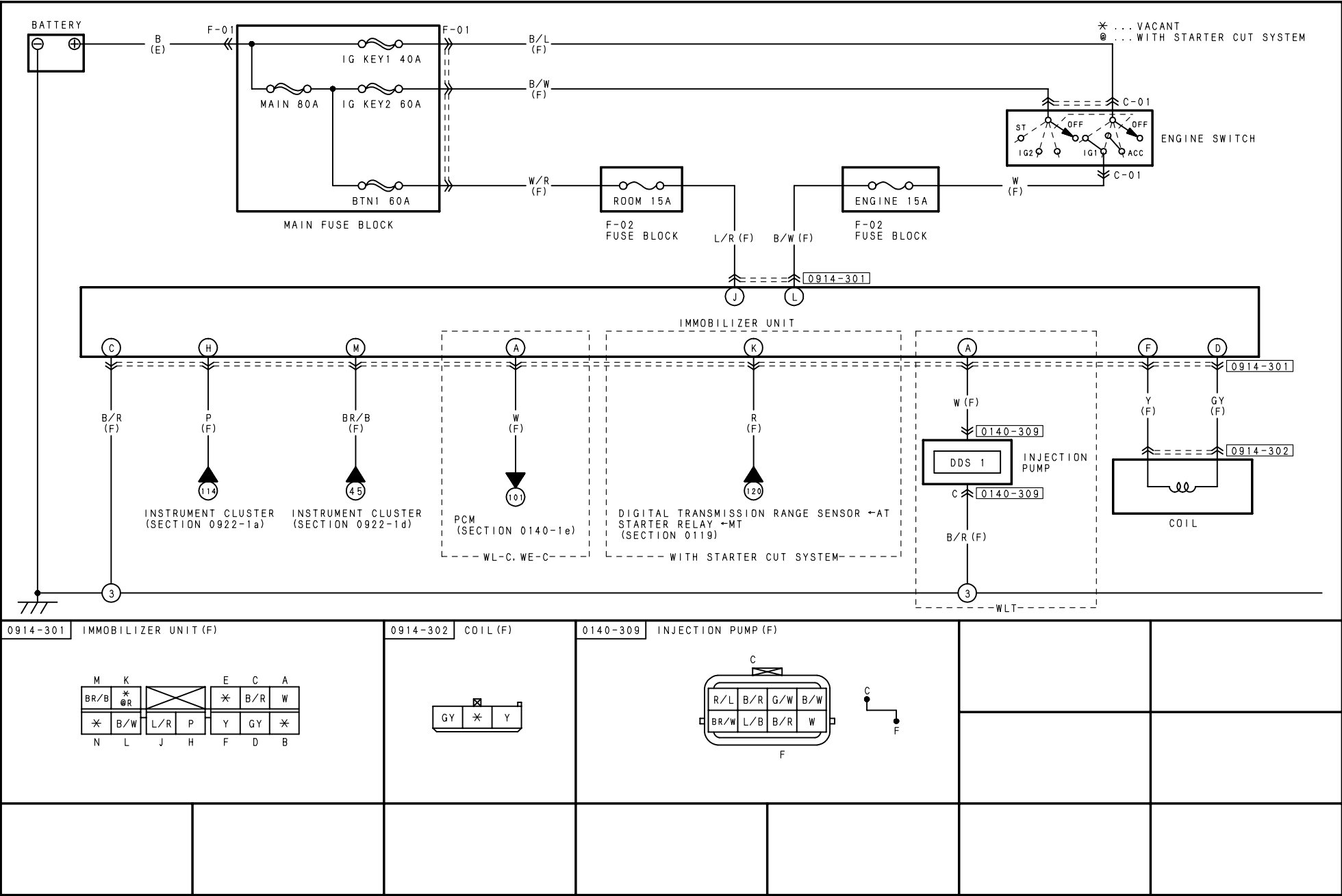


0119-03 DIGITAL TRANSMISSION RANGE SENSOR (E)



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

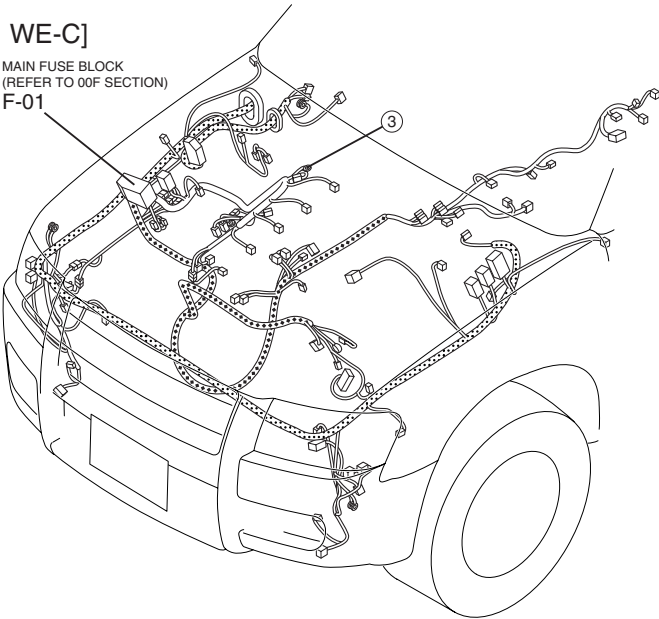




HARNESS SYMBOL:  (F)  (E)  (R)

[WL-C, WE-C]

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

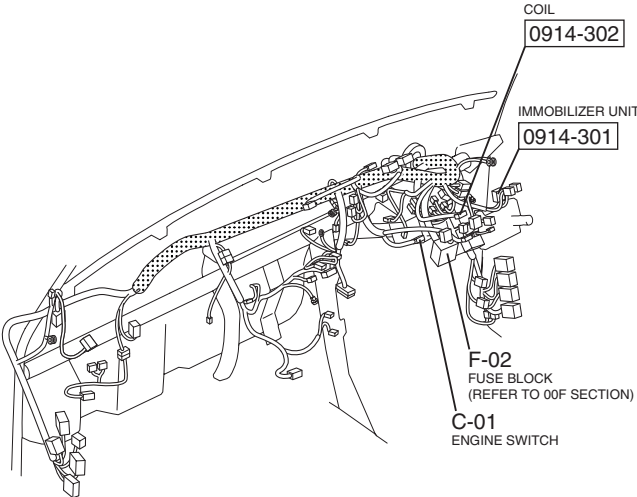


COIL
0914-302

IMMOBILIZER UNIT
0914-301

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

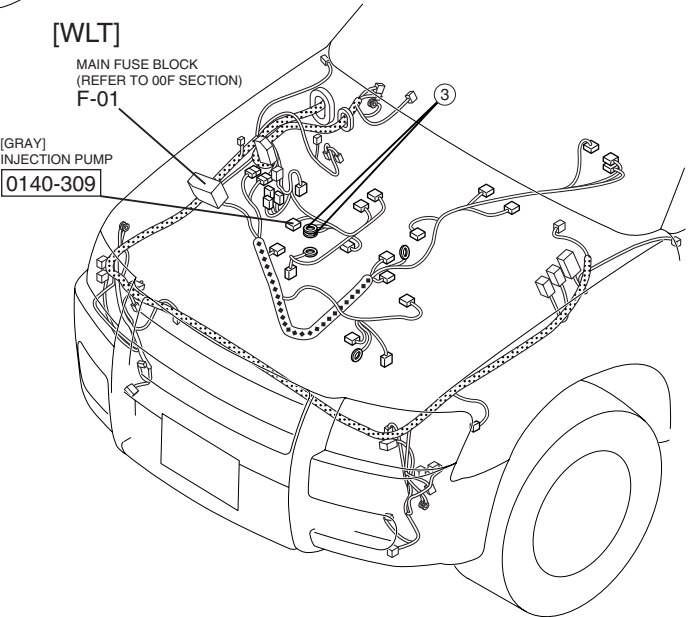
C-01
ENGINE SWITCH



[WLT]

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

[GRAY]
INJECTION PUMP
0140-309



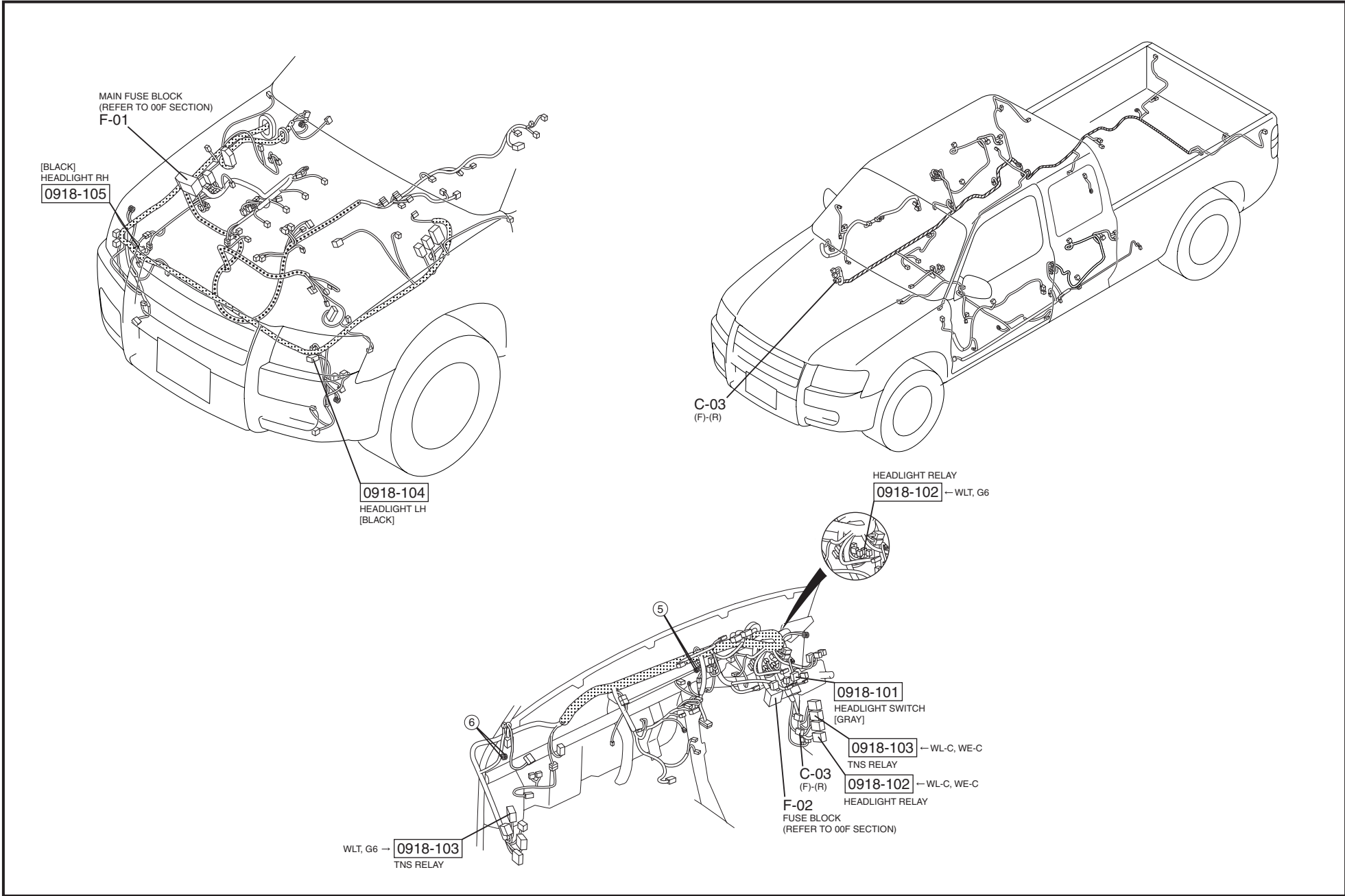
34

34

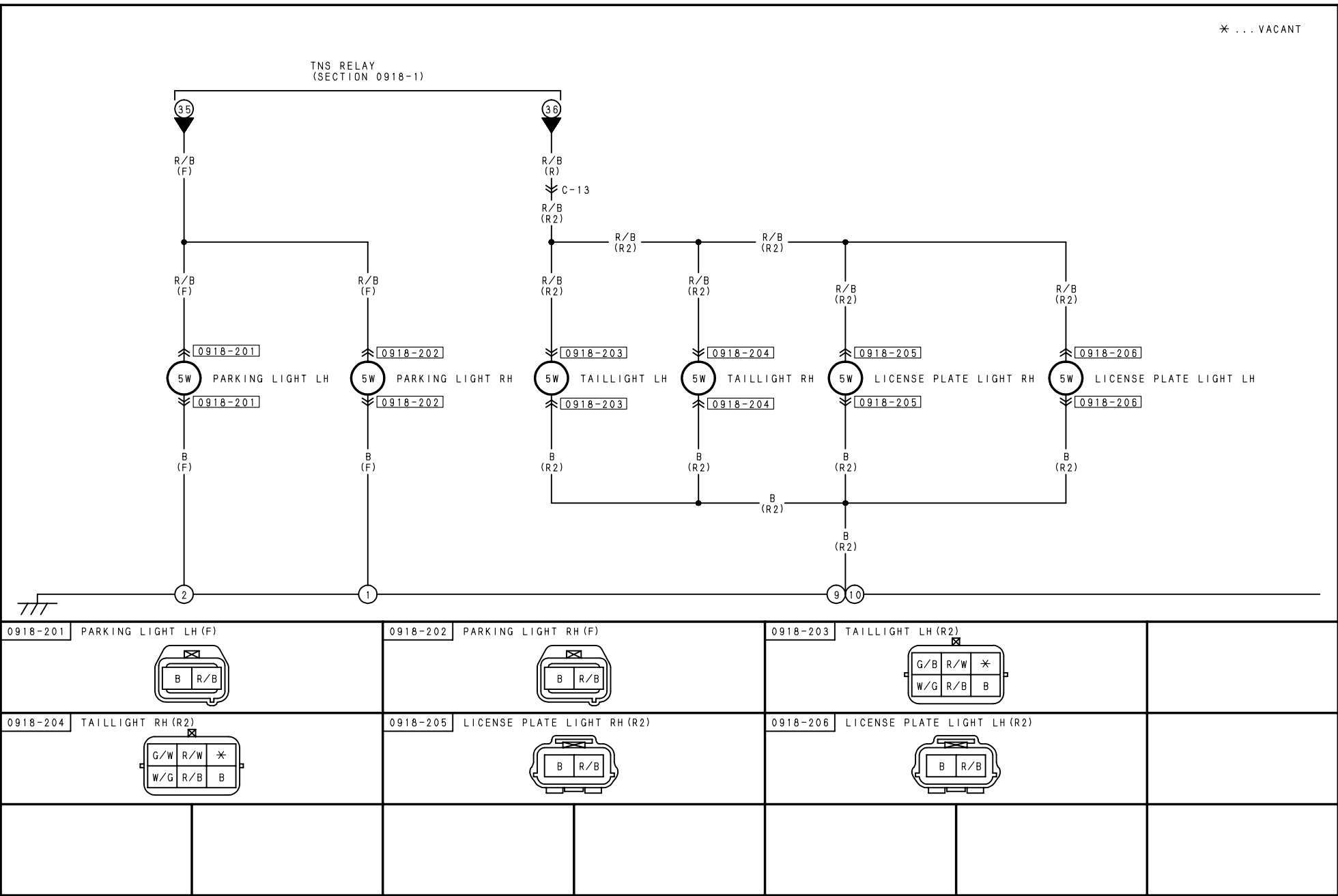


HARNESS SYMBOL:  (F)  (E)  (R)

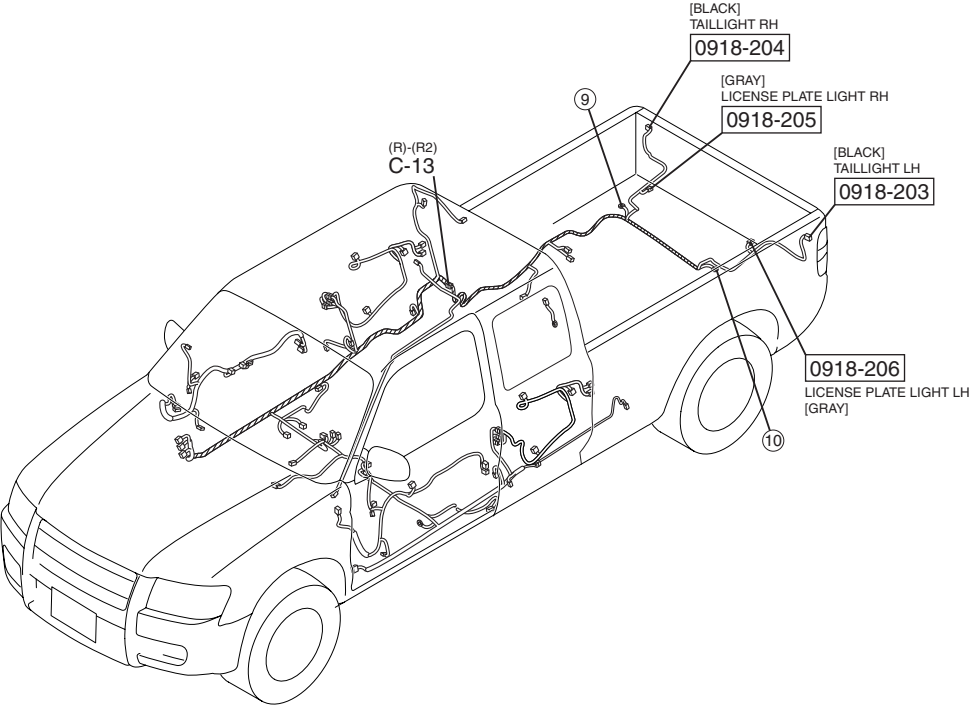
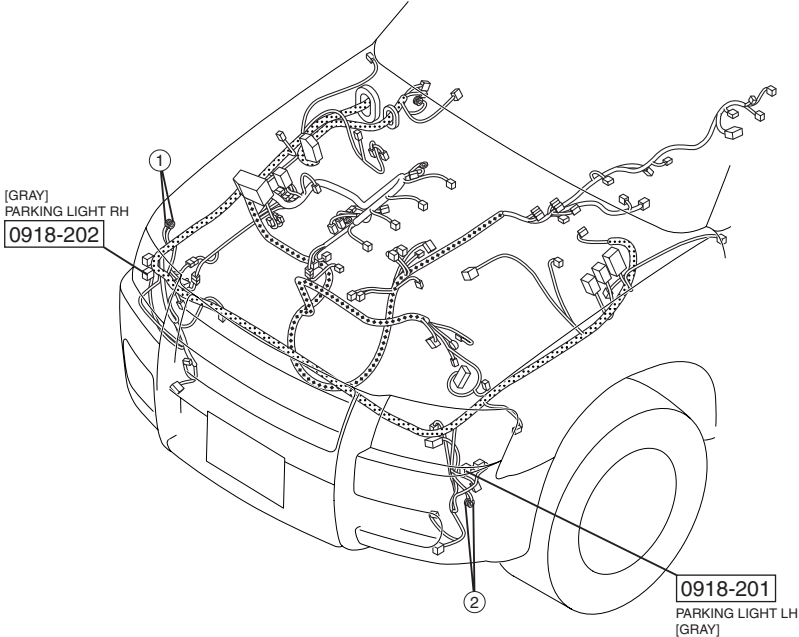
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* ... VACANT

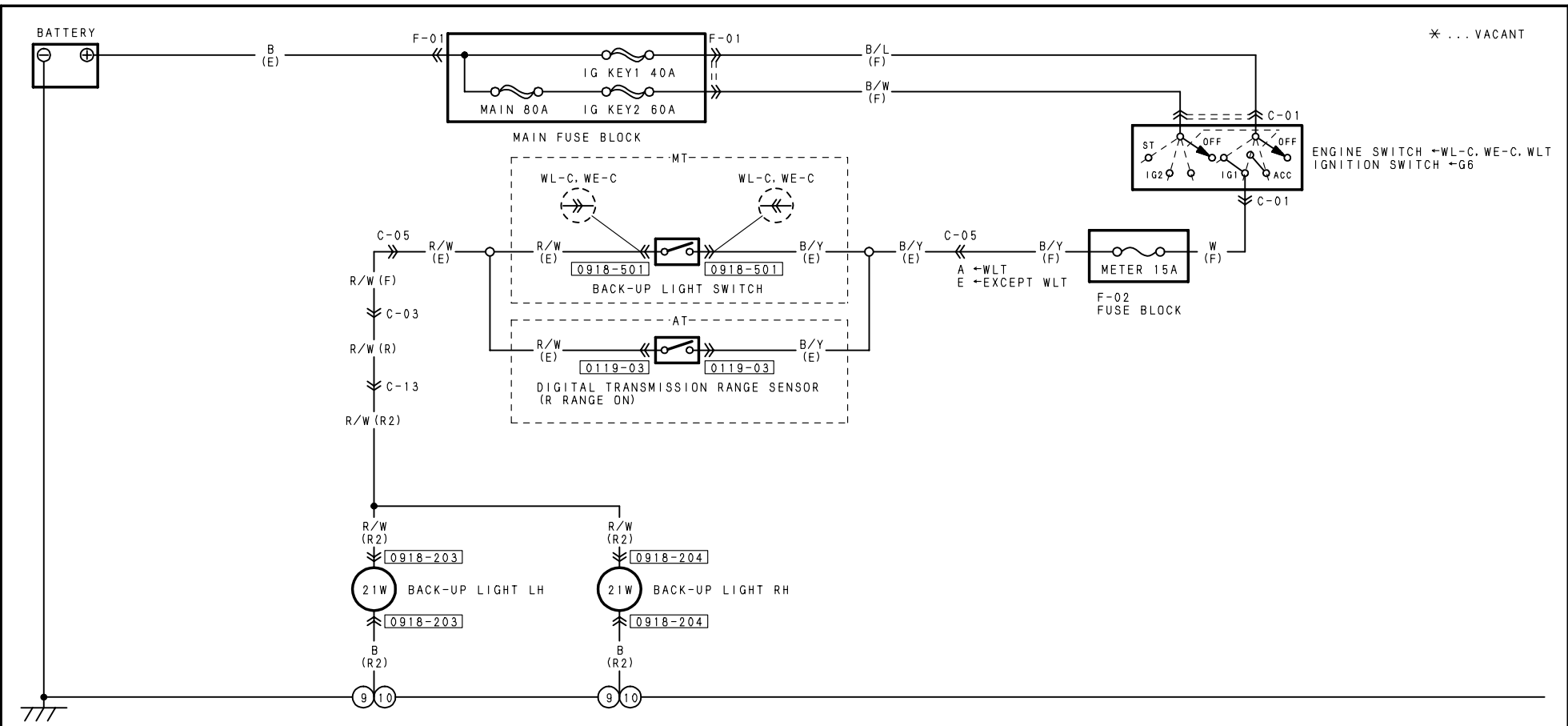


HARNESS SYMBOL:  (F)  (E)  (R)



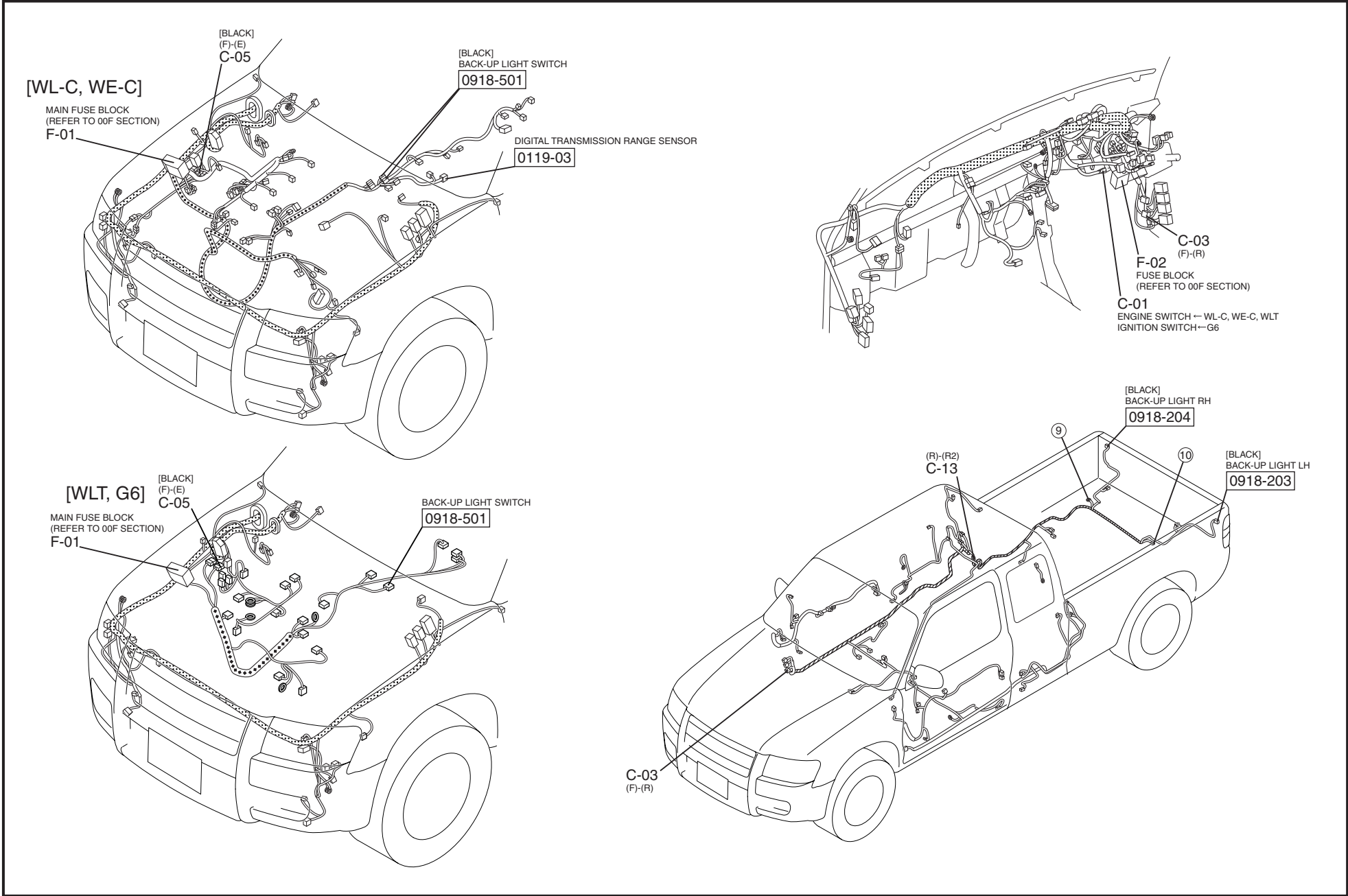
BACK-UP LIGHT

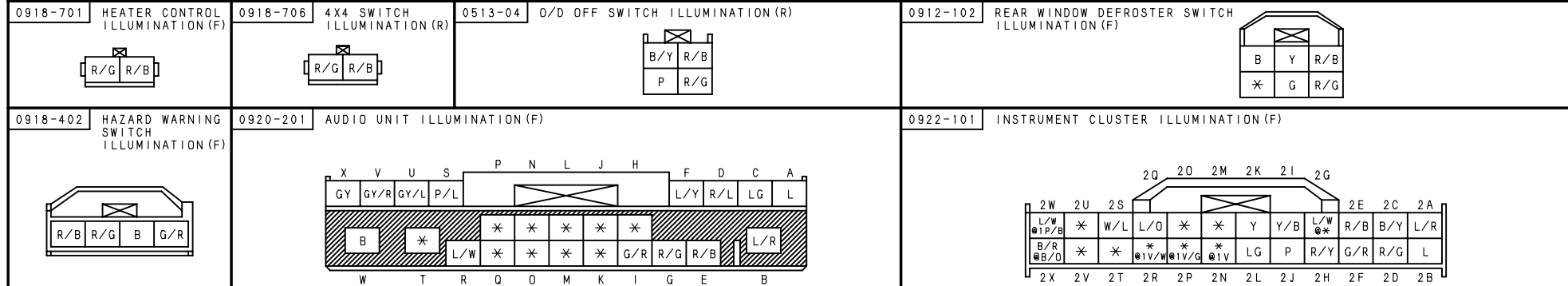
0918-5



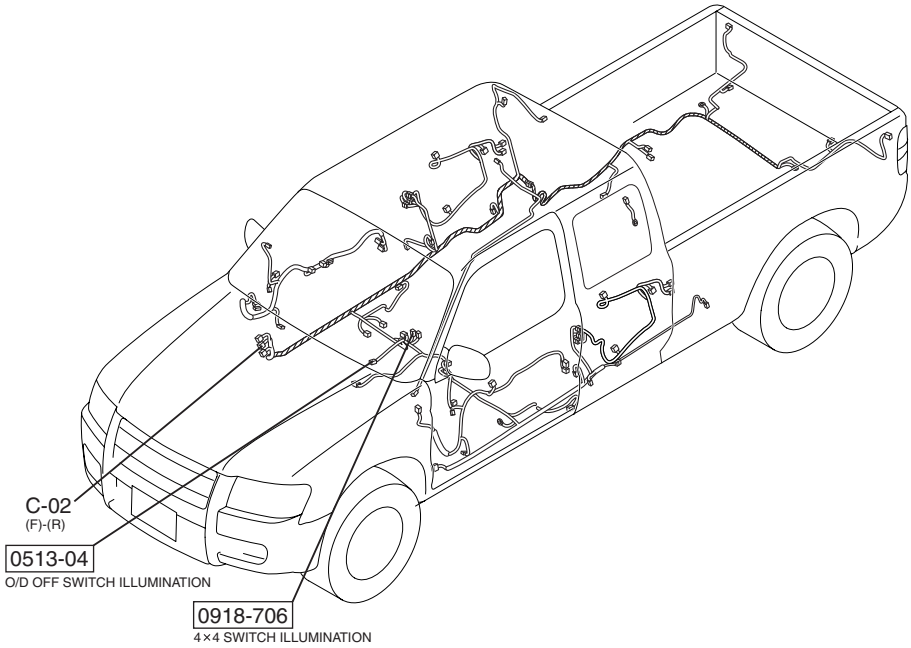
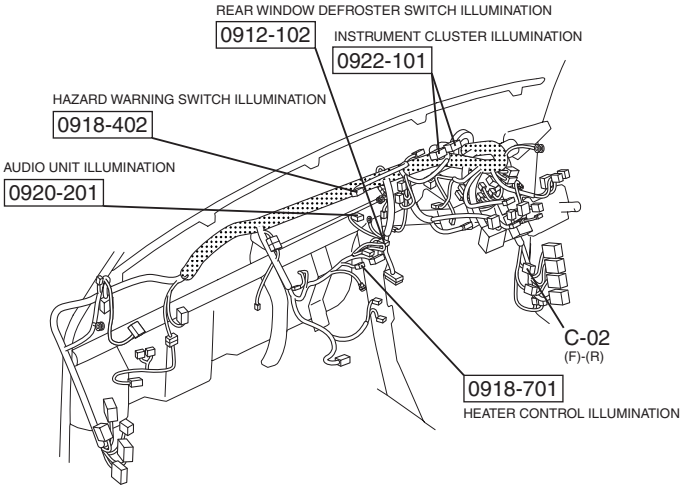
0918-501 BACK-UP LIGHT SWITCH (E) EXCEPT WL-C, WE-C		0119-03 DIGITAL TRANSMISSION RANGE SENSOR (E)		0918-203 BACK-UP LIGHT LH (R2)		
<div><div>B/Y</div><div>R/W</div></div>		<div><div>WL-C, WE-C</div><div>B/Y</div><div>R/W</div></div>		<div><div>G/B</div><div>R/W</div><div>*</div><div>W/G</div><div>R/B</div><div>B</div></div>		
		<div><div>*</div><div>L</div><div>G/R</div><div>G/B</div><div>G/W</div><div>G/Y</div><div>B</div><div>V</div><div>B/Y</div><div>R</div><div>R/W</div><div>W/B</div></div>		0918-204 BACK-UP LIGHT RH (R2)		
				<div><div>G/W</div><div>R/W</div><div>*</div><div>W/G</div><div>R/B</div><div>B</div></div>		

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

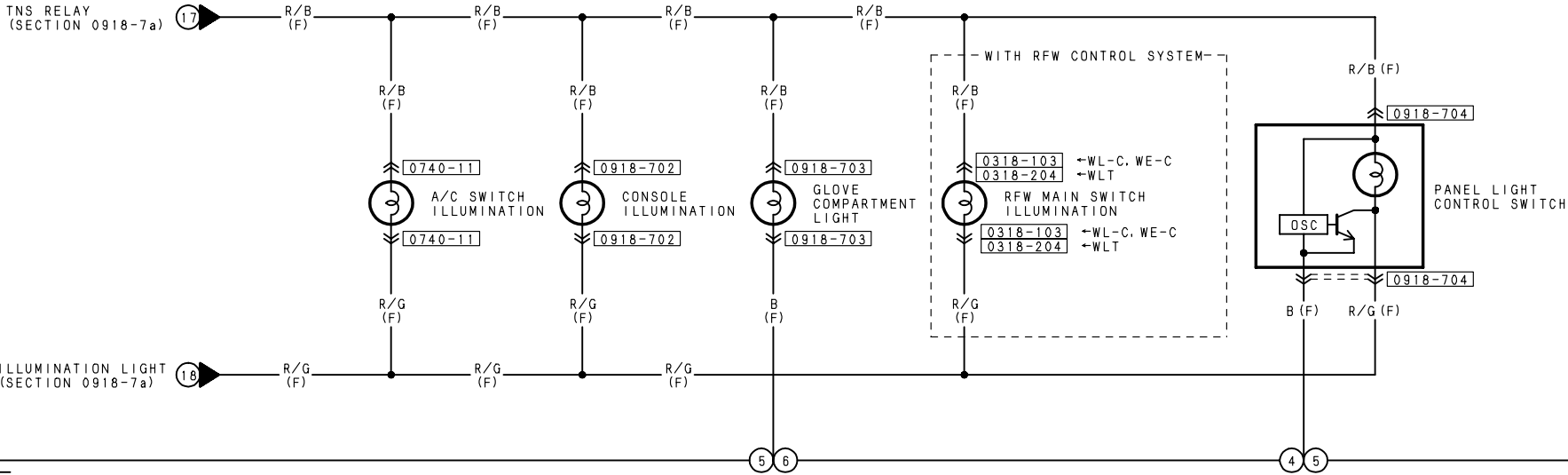



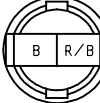
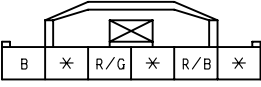
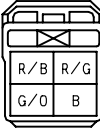
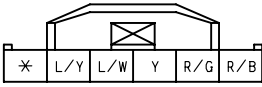





HARNESS SYMBOL:  (F)  (E)  (R)

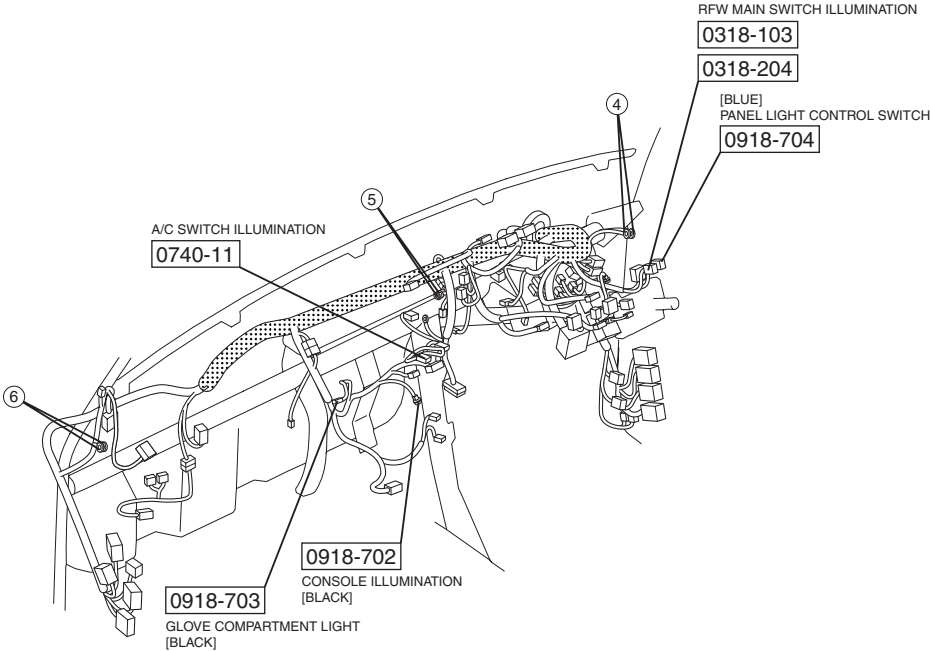


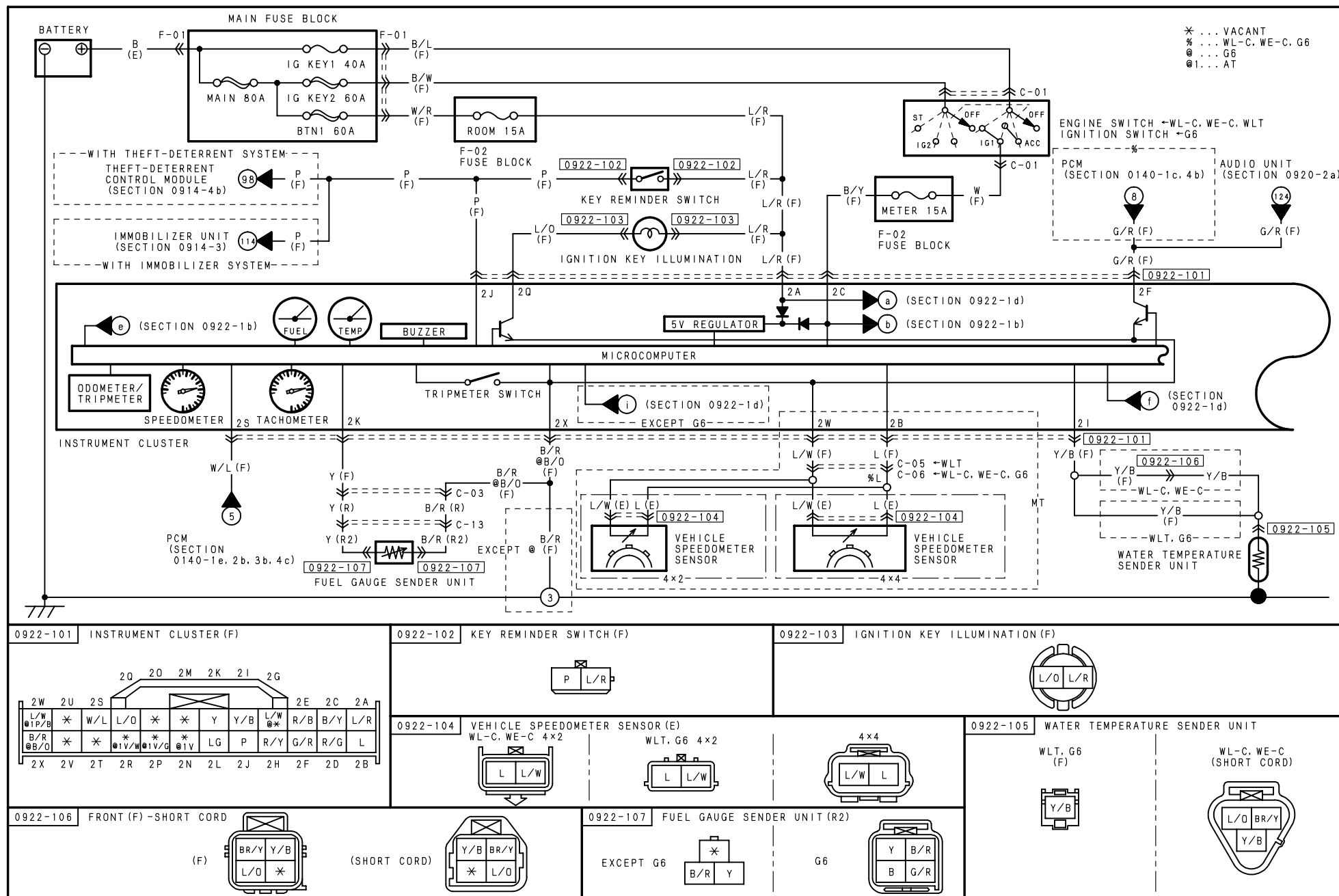
* ... VACANT



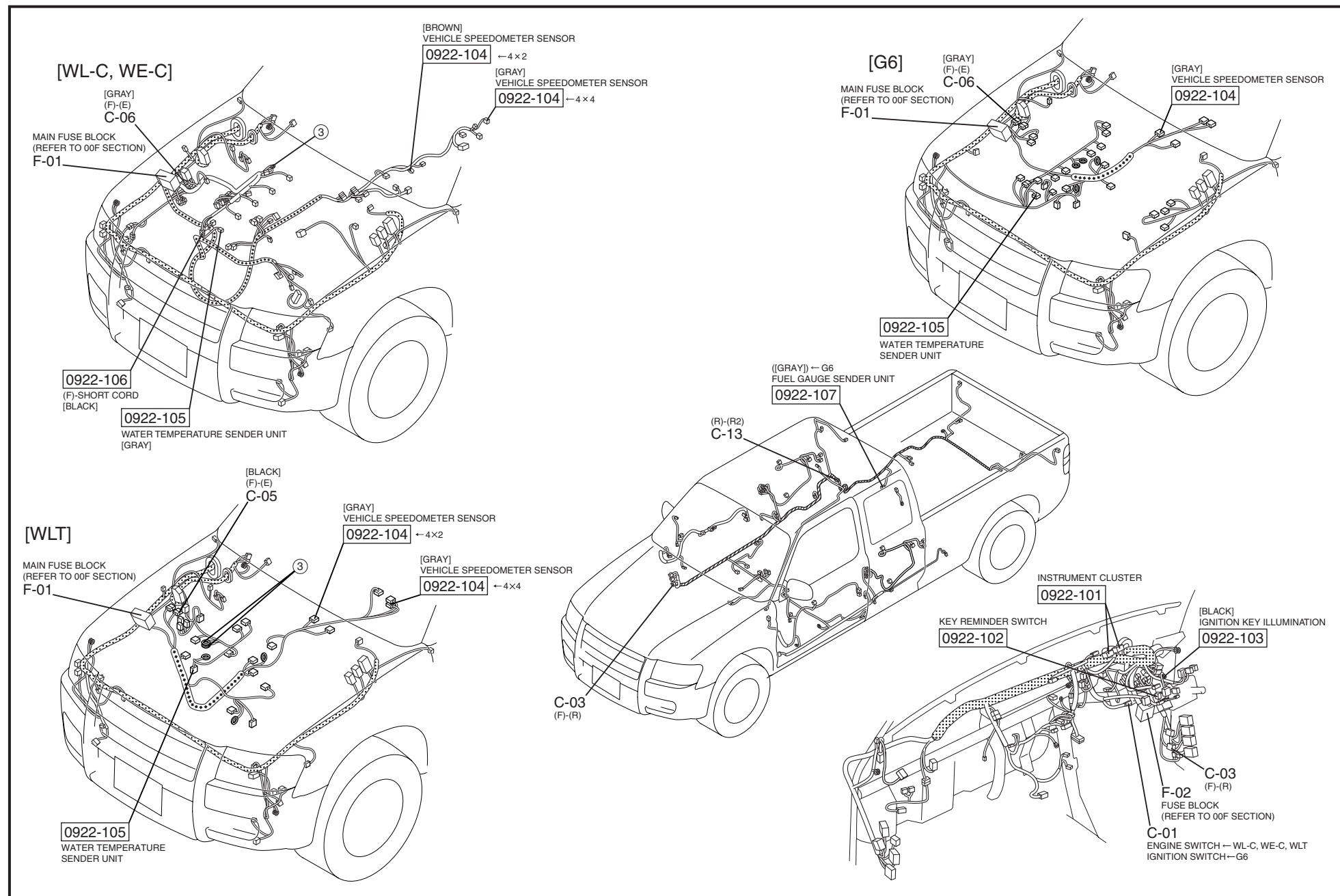
0918-702 CONSOLE ILLUMINATION (F) 	0918-703 GLOVE COMPARTMENT LIGHT (F) 	0918-704 PANEL LIGHT CONTROL SWITCH (F) 	0318-103 ←WL-C, WE-C 0318-204 ←WLT RFW MAIN SWITCH ILLUMINATION (F) 
0740-11 A/C SWITCH ILLUMINATION (F) 			

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



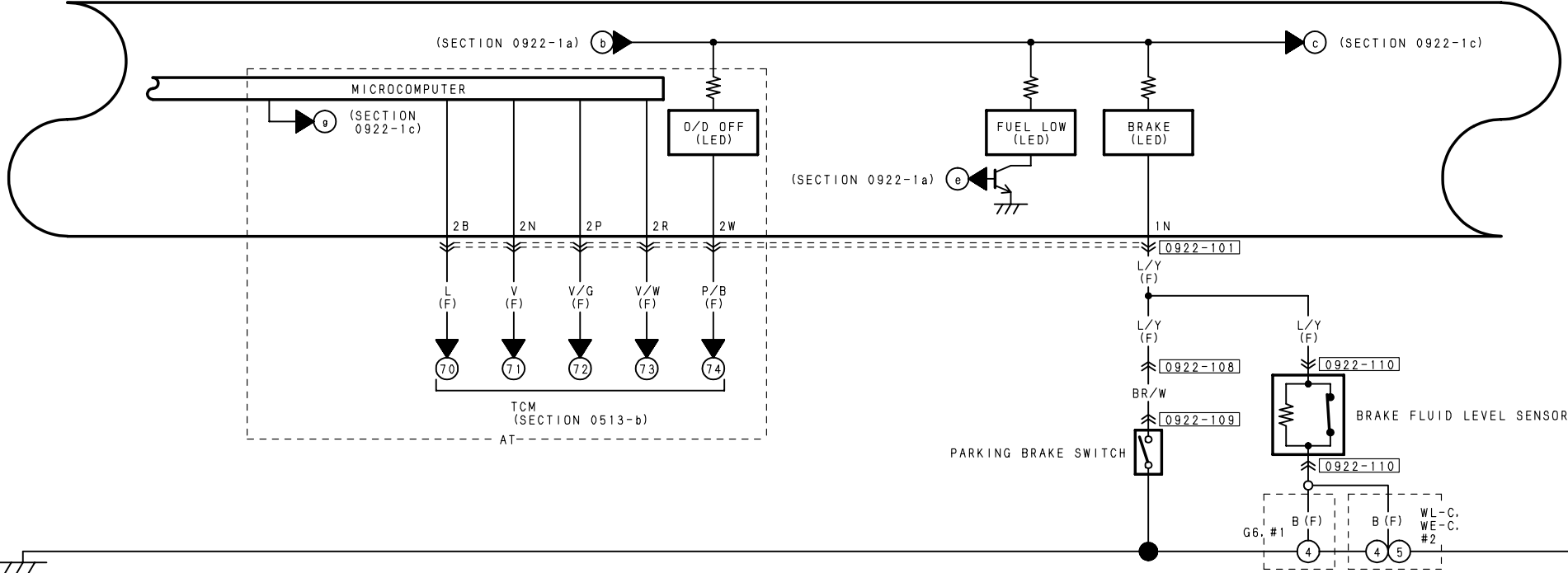


HARNESS SYMBOL:  (F)  (E)  (R)

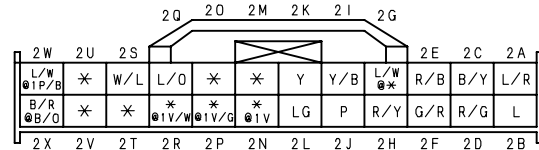
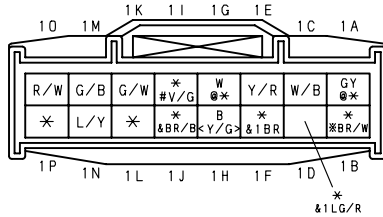


INSTRUMENT CLUSTER

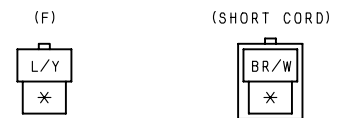
- * ... VACANT
- # ... WL-C, WE-C
- #1... WLT WITH IMMOBILIZER SYSTEM
- #2... WLT WITHOUT IMMOBILIZER SYSTEM
- * ... WITH BUCKLE SWITCH
- & ... WITH THEFT-DETERRENT SYSTEM
- &1... WITH RFV CONTROL SYSTEM, 4X4
- < >... WITH AIR BAG SYSTEM
- ⓪ ... G6
- ⓪1... AT



0922-101 INSTRUMENT CLUSTER (F)



0922-108 FRONT (F) -SHORT CORD






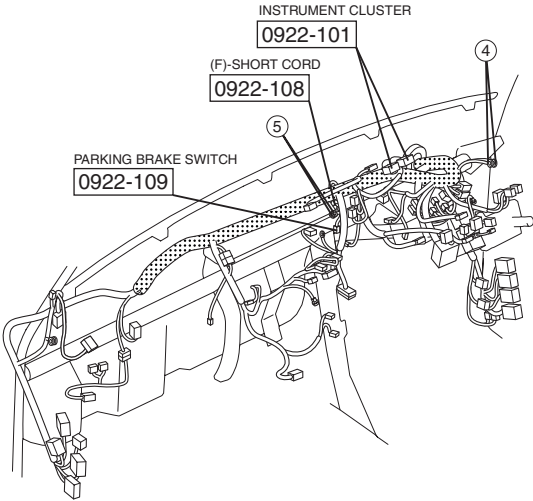
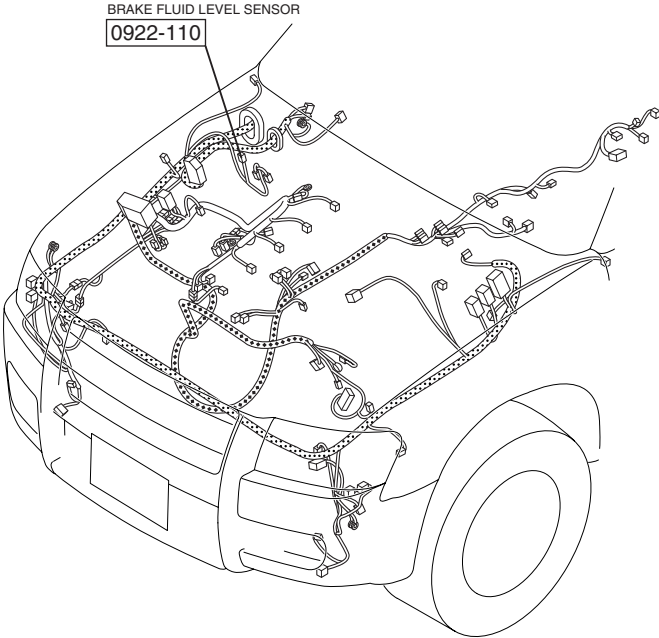
0922-109 PARKING BRAKE SWITCH (SHORT CORD)



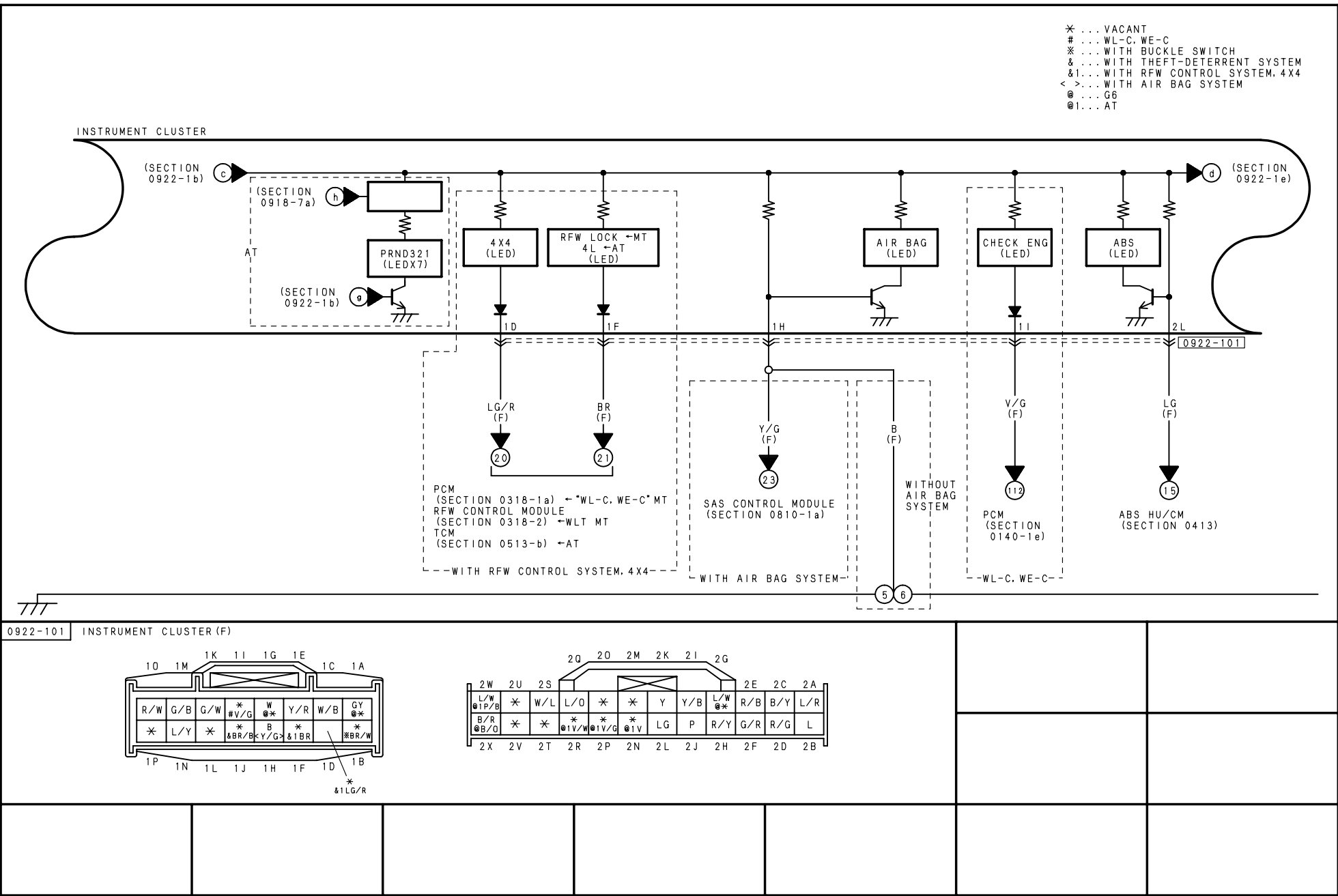
0922-110 BRAKE FLUID LEVEL SENSOR (F)






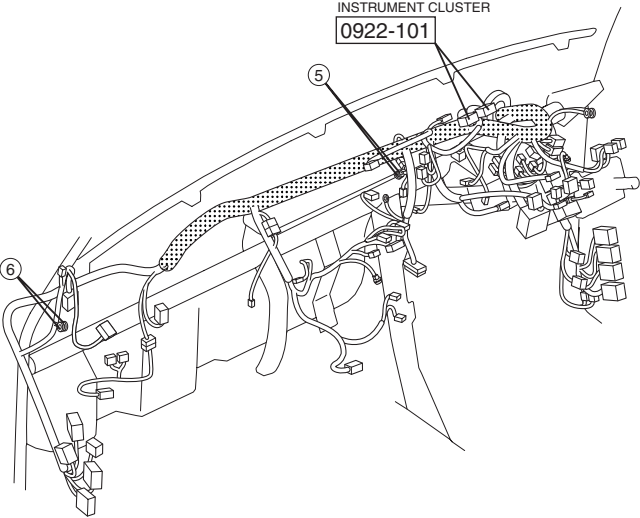
HARNESS SYMBOL:  (F)  (E)  (R)






- * ... VACANT
- # ... WL-C, WE-C
- ※ ... WITH BUCKLE SWITCH
- & ... WITH THEFT-DETERRENT SYSTEM
- &1... WITH RFW CONTROL SYSTEM, 4X4
- < >... WITH AIR BAG SYSTEM
- Ⓢ ... G6
- Ⓢ1... AT

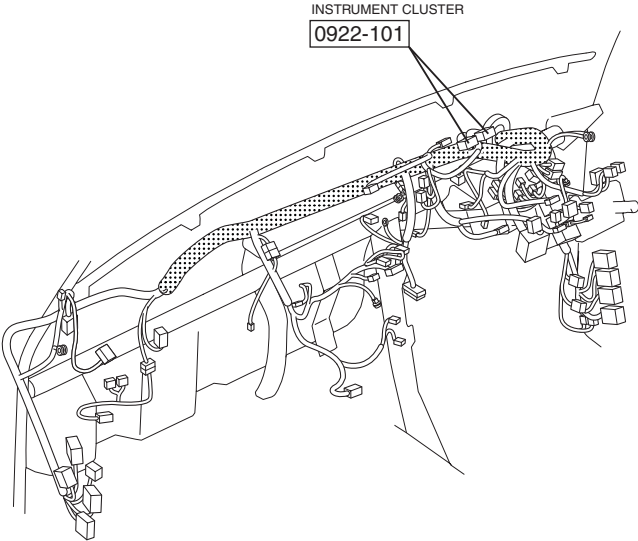


HARNESS SYMBOL:  (F)  (E)  (R)

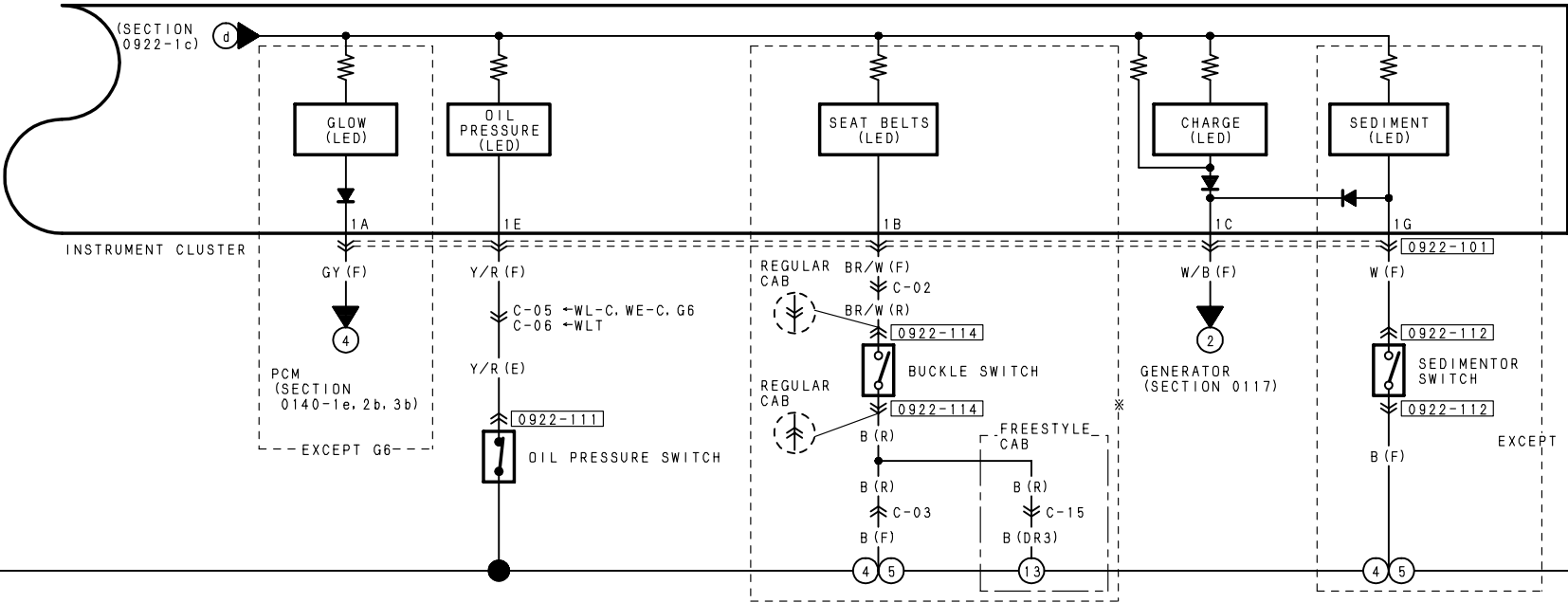


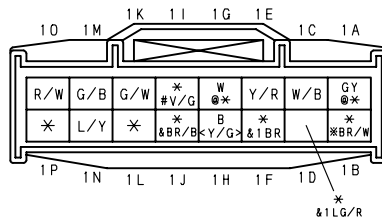




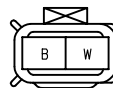


HARNESS SYMBOL:  (F)  (E)  (R)

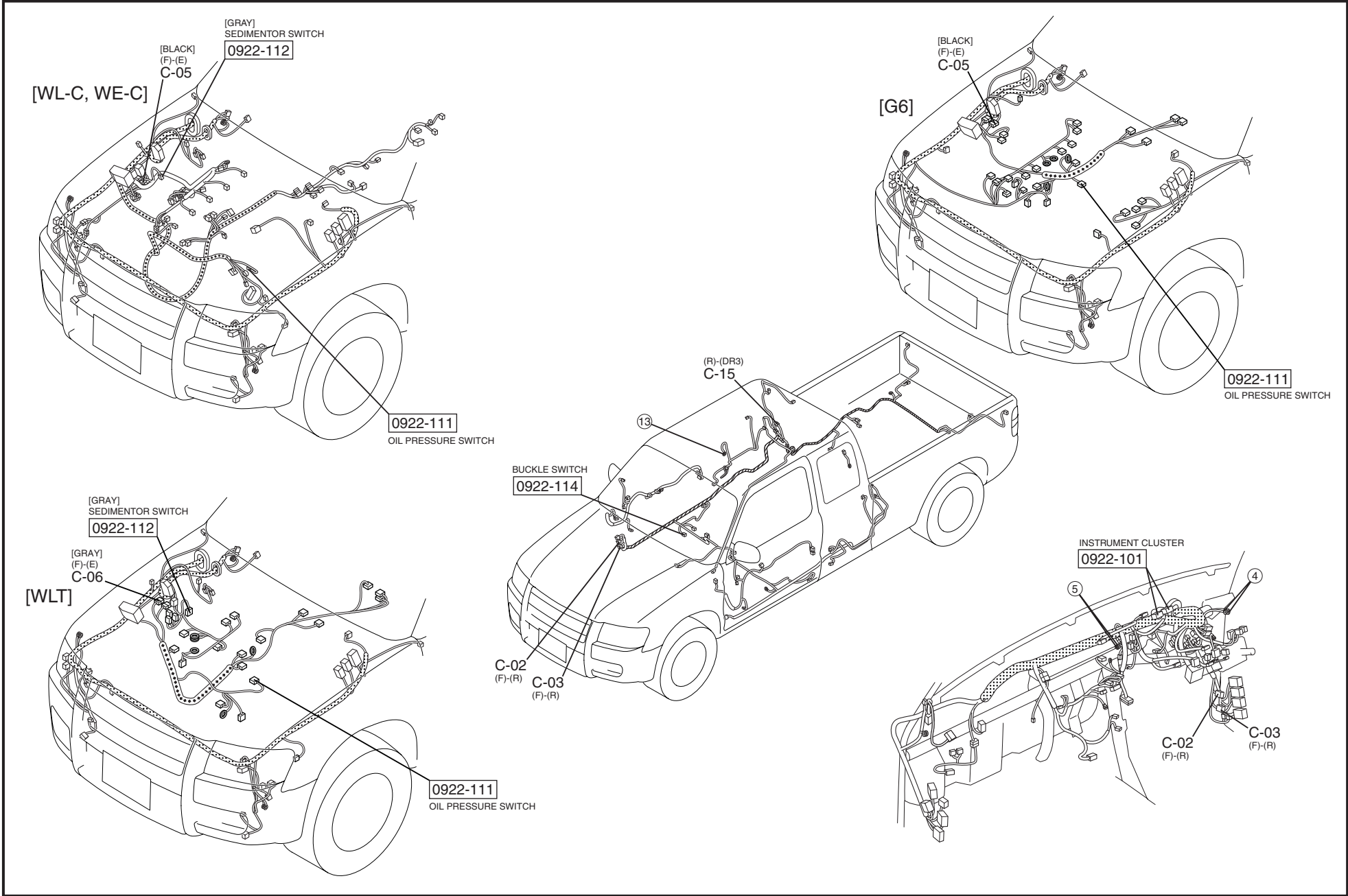


* ... VACANT
... WL-C, WE-C
< > ... WITH AIR BAG SYSTEM
& ... WITH THEFT-DETERRENT SYSTEM
* ... WITH BUCKLE SWITCH
@ ... G6
&I... WITH RFW CONTROL SYSTEM, 4X4



<div>0922-101 INSTRUMENT CLUSTER (F)</div> <div></div>	<div>0922-111 OIL PRESSURE SWITCH (E)</div> <div>EXCEPT G6 </div> <div>G6 </div> <div>0922-114 BUCKLE SWITCH (R)</div> <div>REGULAR CAB </div> <div>EXCEPT REGULAR CAB </div>	<div>0922-112 SEDIMENTOR SWITCH (F)</div> <div></div>	
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HARNESS SYMBOL:  (F)  (E)  (R)



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