

RANGER - EVEREST

WIRING DIAGRAMS

**RHD / LHD
MY 2006 - 2008**

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RANGER

BASE MANUAL

DEC. 2005 (F198-30-05L)

SUPPLEMENTS

APR. 2006 (F1A4-20-06D)

JUL. 2006 (F1A5-30-06G)

JUL. 2006 (F1A5-40-06G)

RANGER / EVEREST

SUPPLEMENTS

AUG. 2006 (F1A9-30-06H)

SEP. 2006 (F1B1-20-06I)

SEP. 2006 (F1B1-30-06I)

RANGER

WIRING DIAGRAMS

FOREWORD

This wiring diagram incorporates the wiring schematics of the RANGER 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 Ford dealers. This manual should be kept up-to-date.

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

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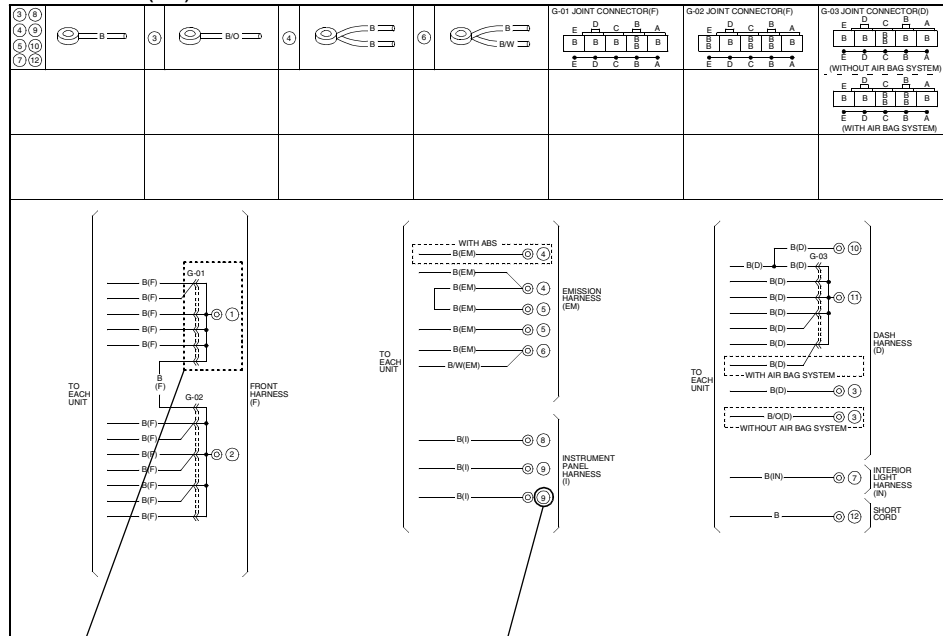
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	X (COMMON CONNECTOR)	
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	T (SECURITY AND LOCKS SYSTEM/OPTION)	
ALPHABETICAL INDEX	AI (ALPHABETICAL INDEX)	AI

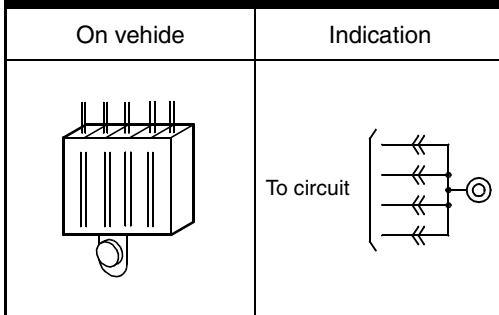
GROUND POINTS

- This shows ground points of the harness.

GROUND POINTS (4SD)



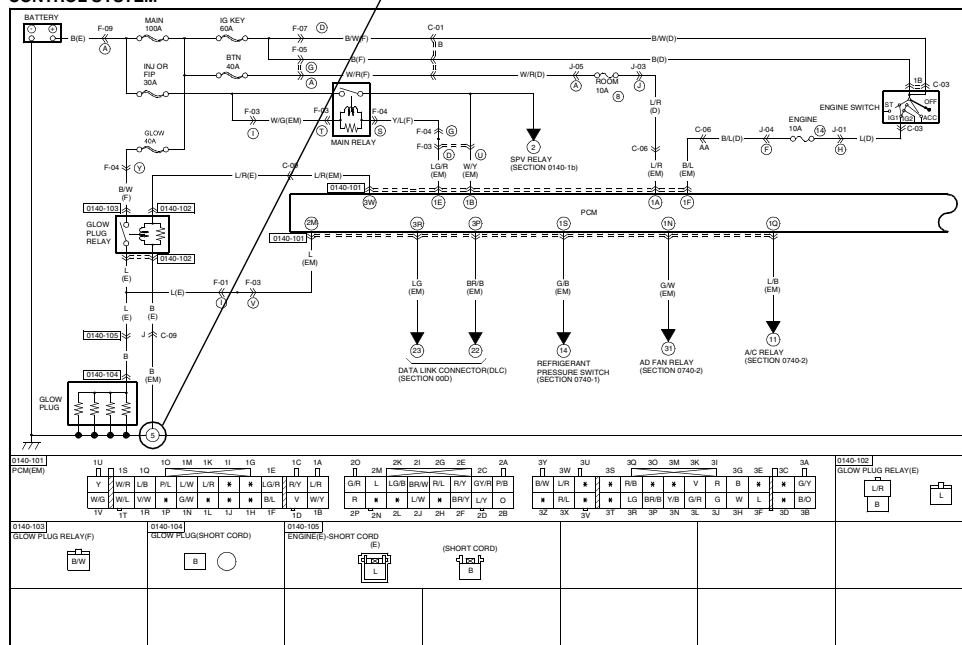
Ground indication



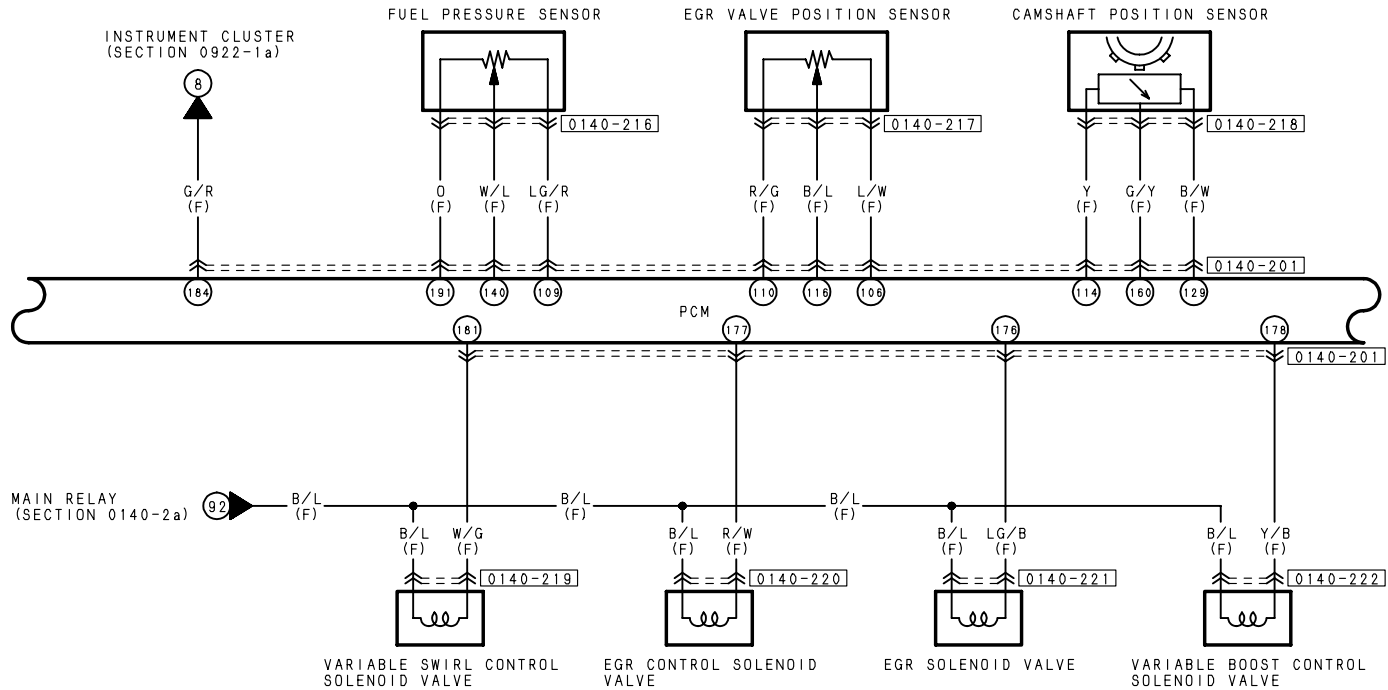
On circuit diagrams and ground points

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

CONTROL SYSTEM



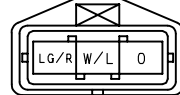
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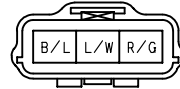
0140-201 PCM (F)

124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
*	*	*	*	*	*	*	*	B/L	L/Y	Y	*	*	B/Y	R/G	LG/R	*	*	L/W	*	*	*	R	LG
148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126	125
*	*	*	*	*	*	*	GY/L	W/L	*	*	GY/R	*	LG/B	*	V/R	*	*	*	B/W	R/B	*	BR/W	P
112	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89
*	P	W	V/Y	*	L/O	*	*	*	*	G/W	G/Y	*	*	BR/Y	W/R	B/O	*	L/B	*	BR	W		
196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176	175	174	173
*	V	BR	L	G	O	BR/W	R/Y	GY	*	*	R/G	G/R	*	BR	W/G	*	L/R	Y/B	R/W	LG/B	*	V	B/Y

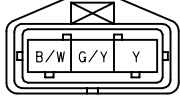
0140-216 FUEL PRESSURE SENSOR (F)



0140-217 EGR VALVE POSITION SENSOR (F)



0140-218 CAMSHAFT POSITION SENSOR (F)



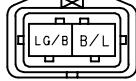
0140-219 VARIABLE SWIRL CONTROL SOLENOID VALVE (F)



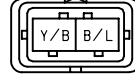
0140-220 EGR CONTROL SOLENOID VALVE (F)

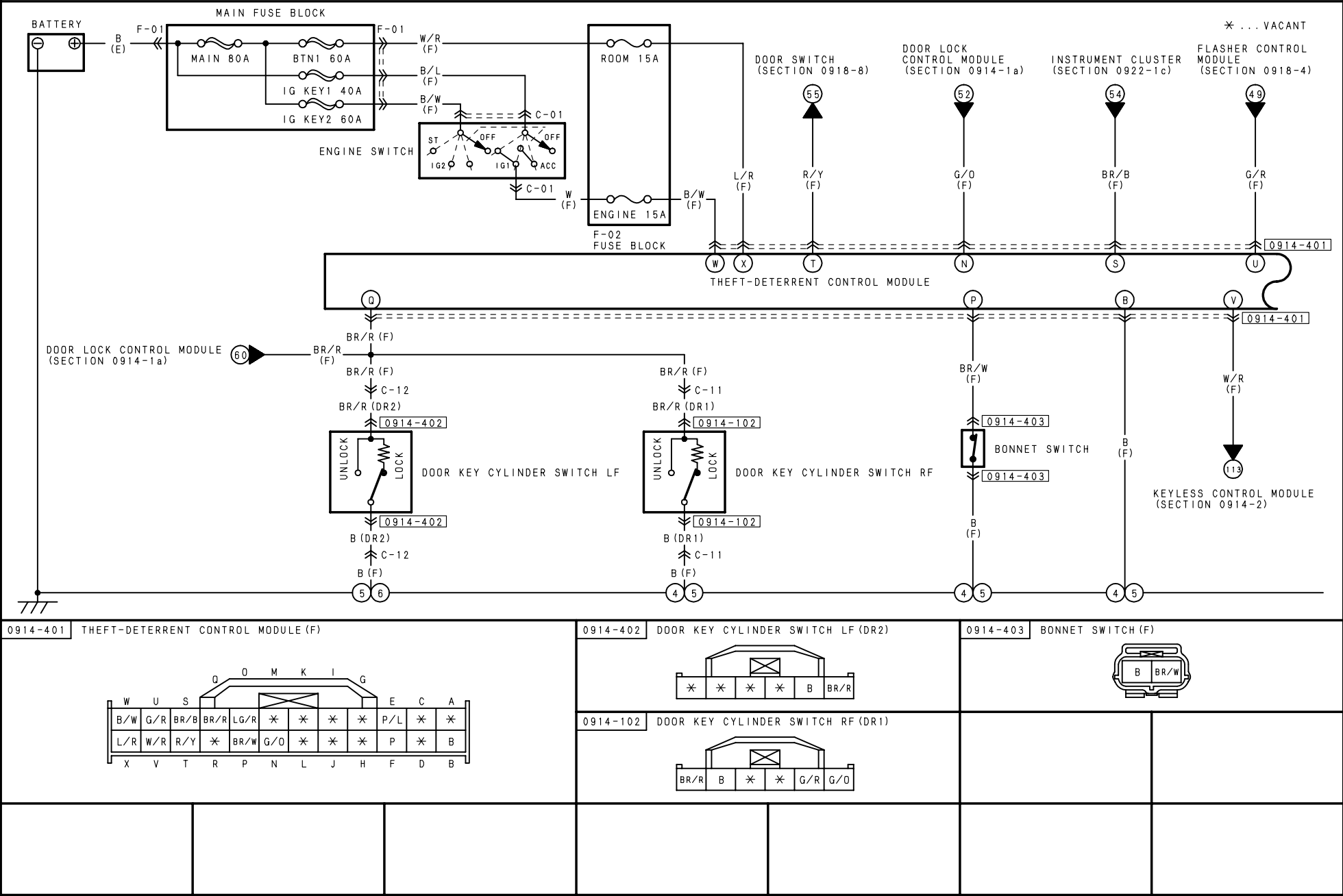


0140-221 EGR SOLENOID VALVE (F)

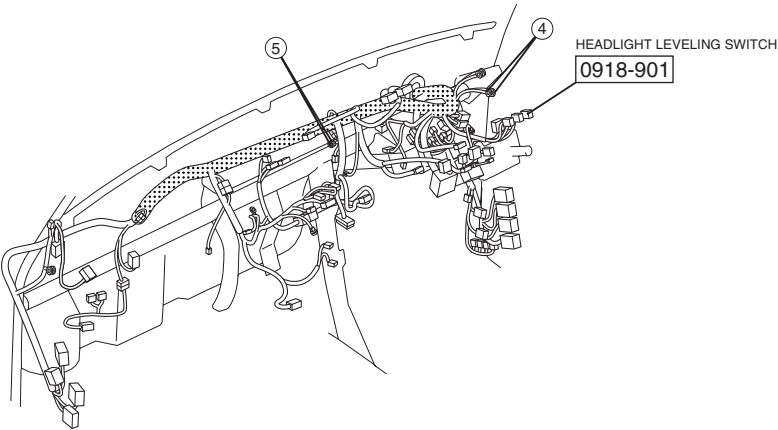
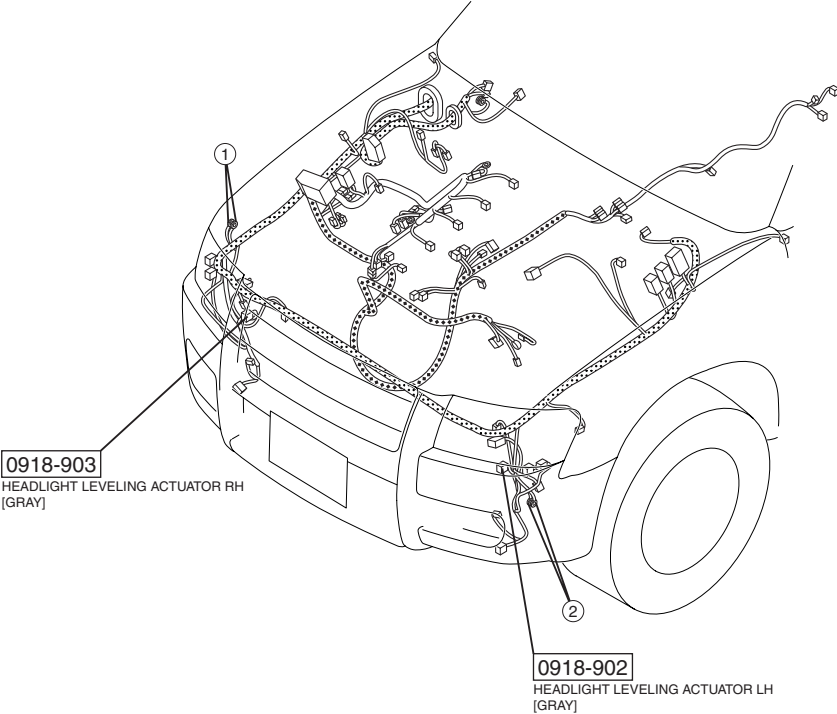


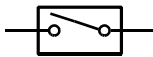
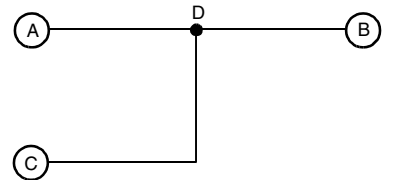
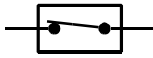
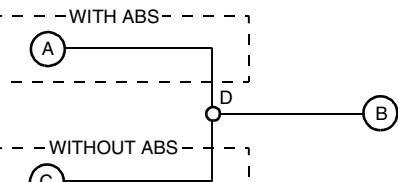
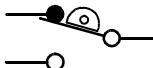
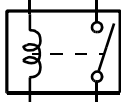
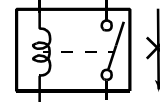
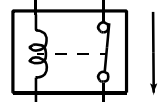
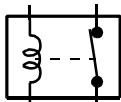
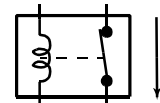
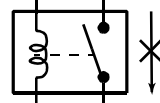
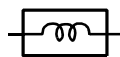
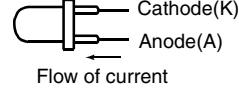
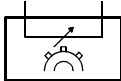
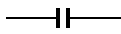
0140-222 VARIABLE BOOST CONTROL SOLENOID VALVE (F)



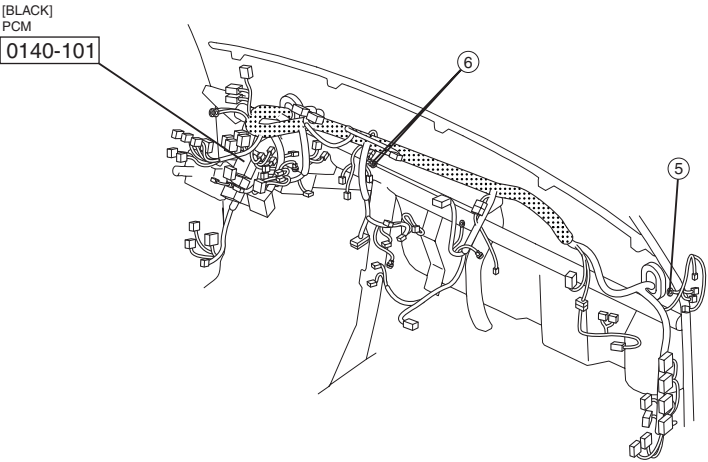
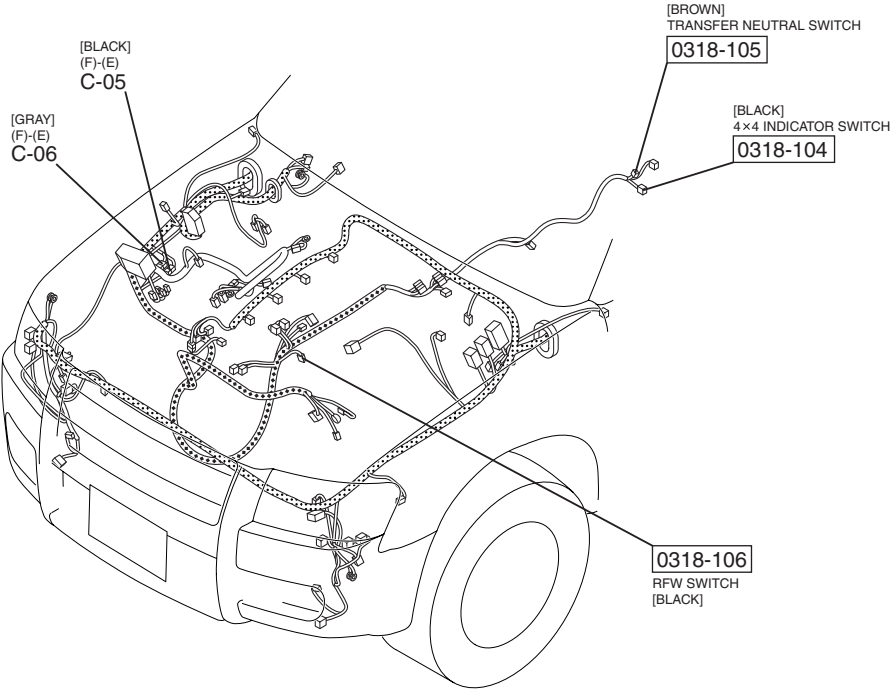


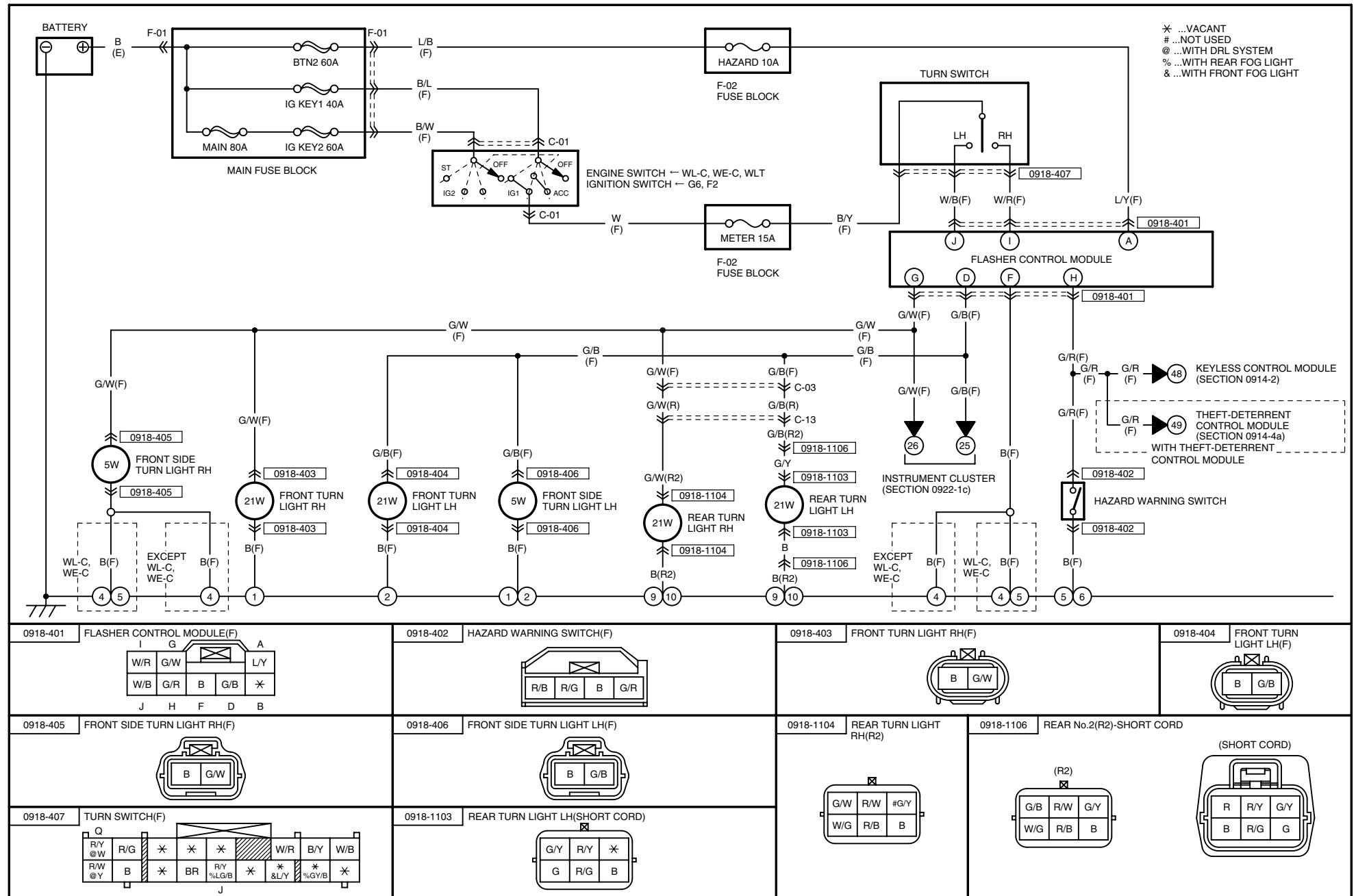
HARNESS SYMBOL:  (F)  (E)  (R)



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

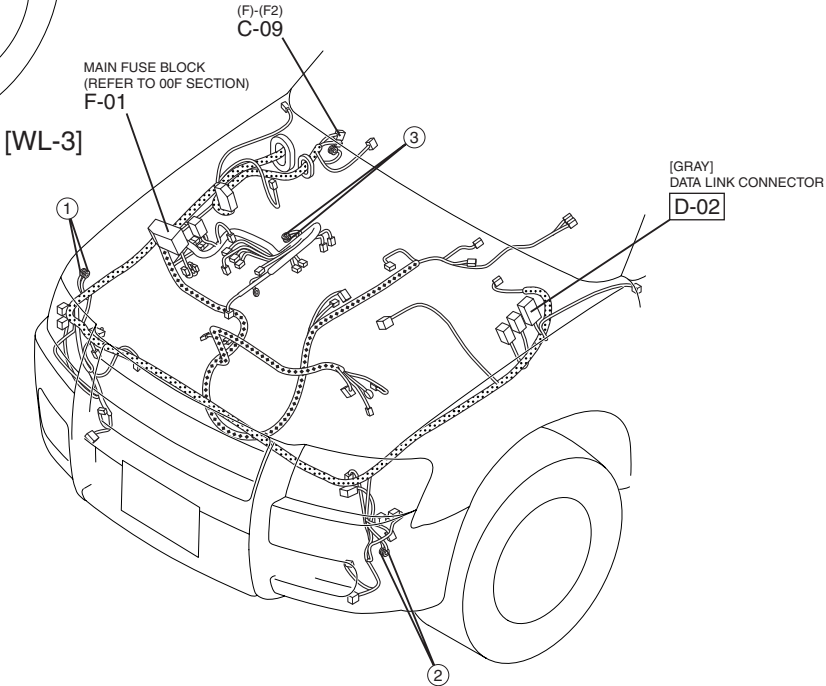
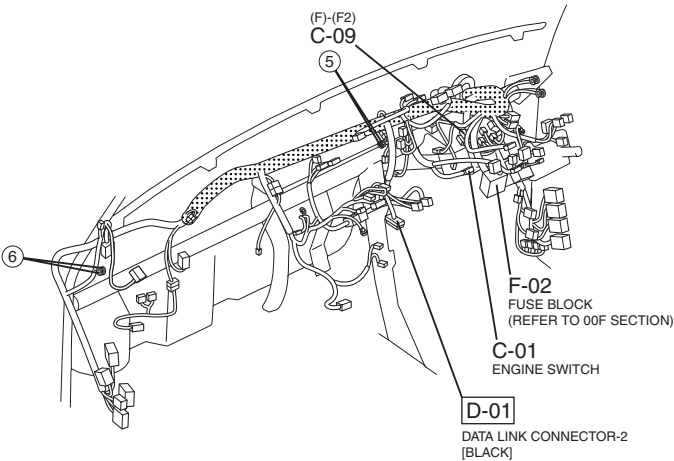
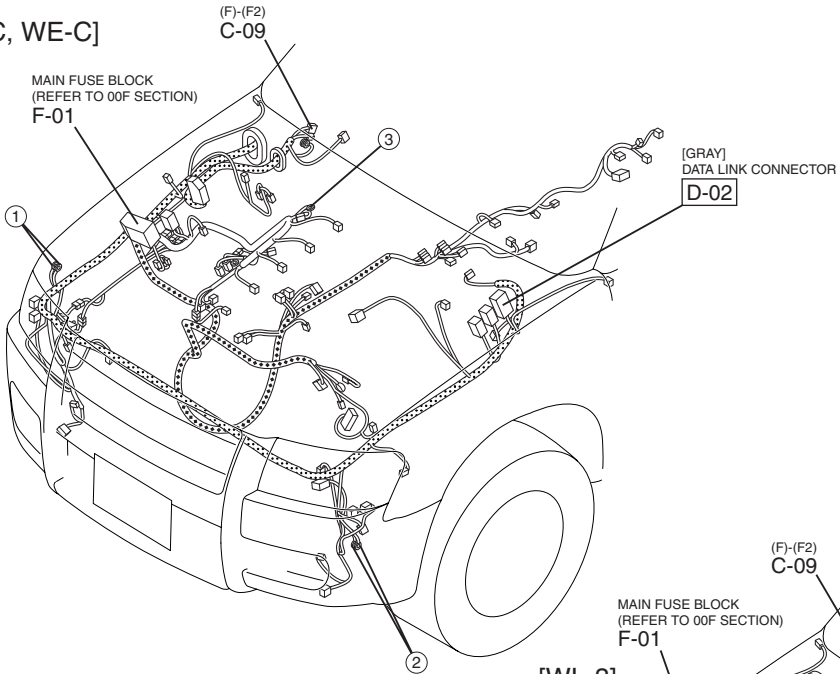
HARNESS SYMBOL:  (F)  (E)  (R)

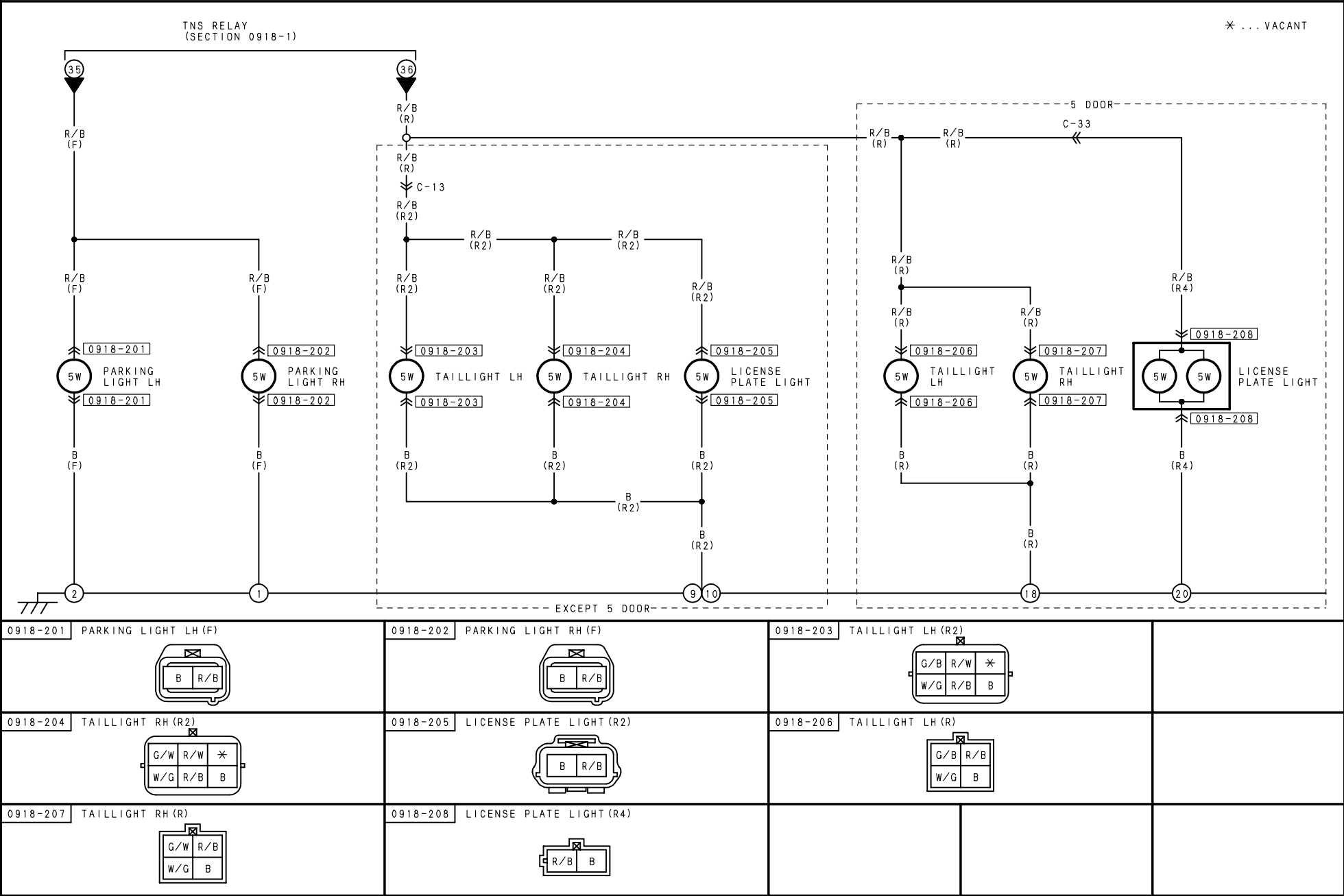




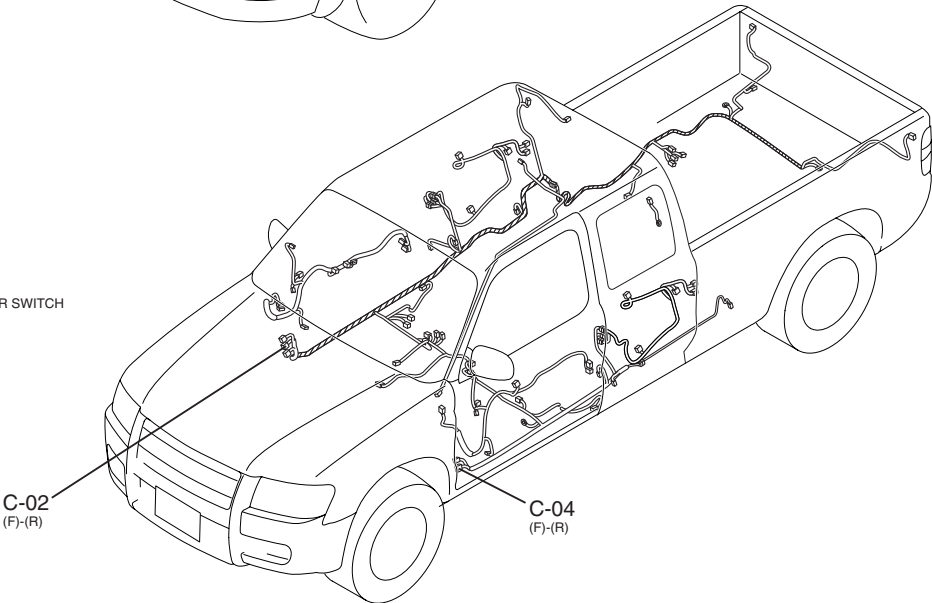
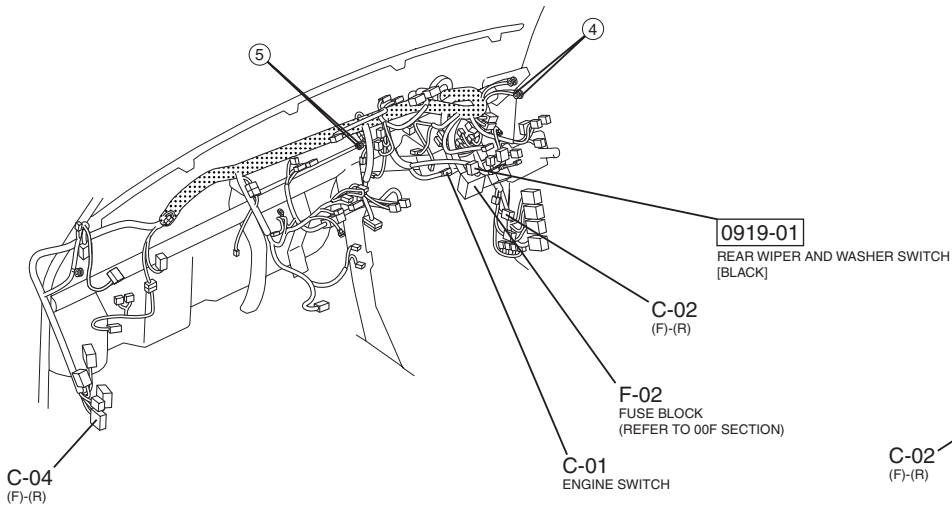
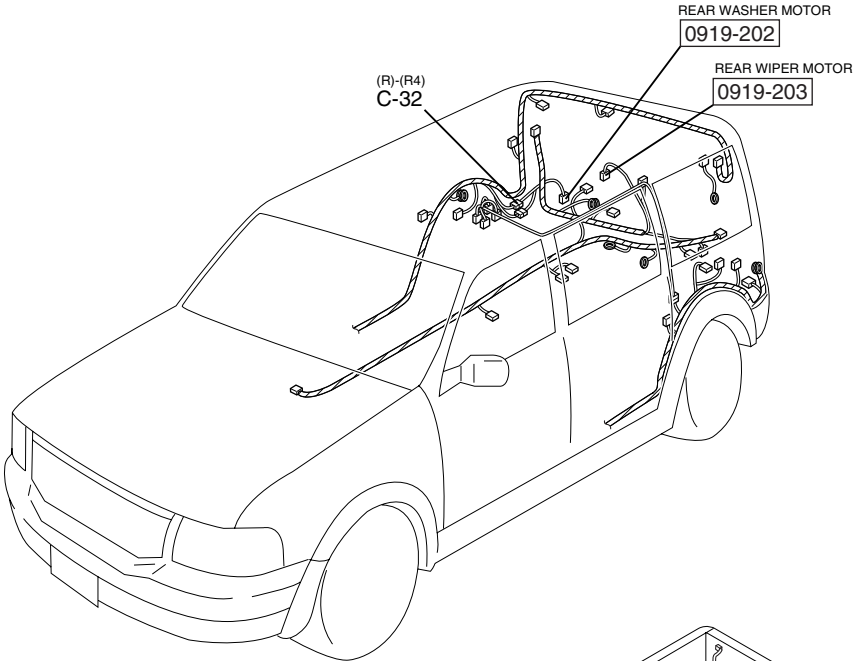
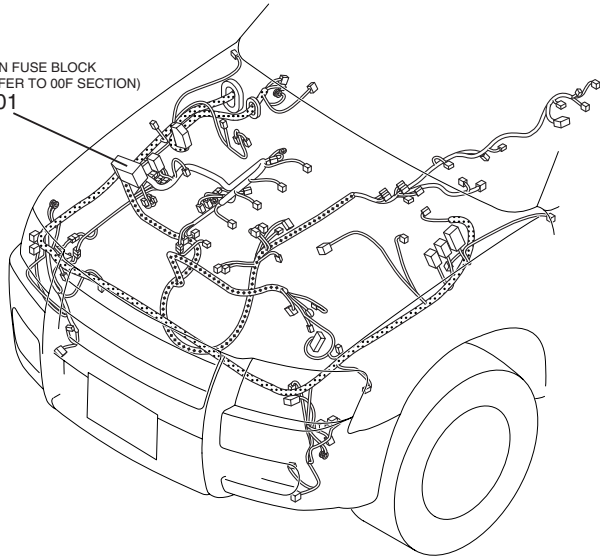
HARNESS SYMBOL:  (F)  (E)  (R)

[WL-C, WE-C]

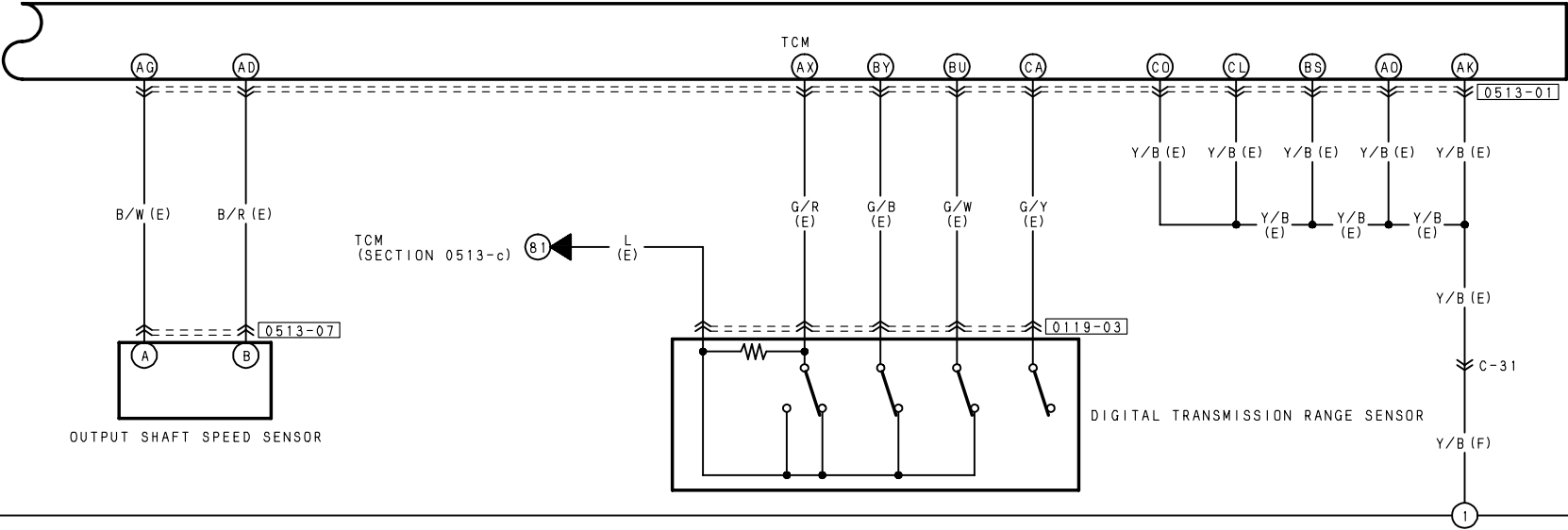




HARNESS SYMBOL:  (F)  (E)  (R)



* ... VACANT
... 4X4



0513-01 TCM (E)

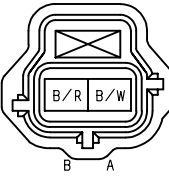
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		CH	CD	BZ	BV	BR	BN	BJ	BF	BB	#LG/B	AX	AT	AP	AW	AL	AH	AD	B/R	Z	Y	R	#BR	N	#LG/R	J	BR	R/L	R		
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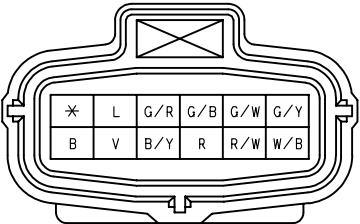
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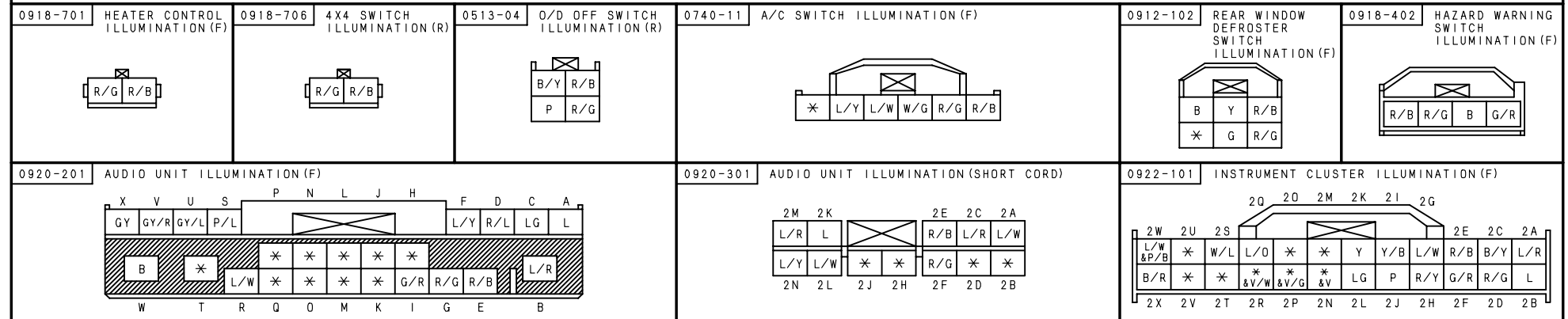
84 85

0513-07 OUTPUT SHAFT SPEED SENSOR (E)



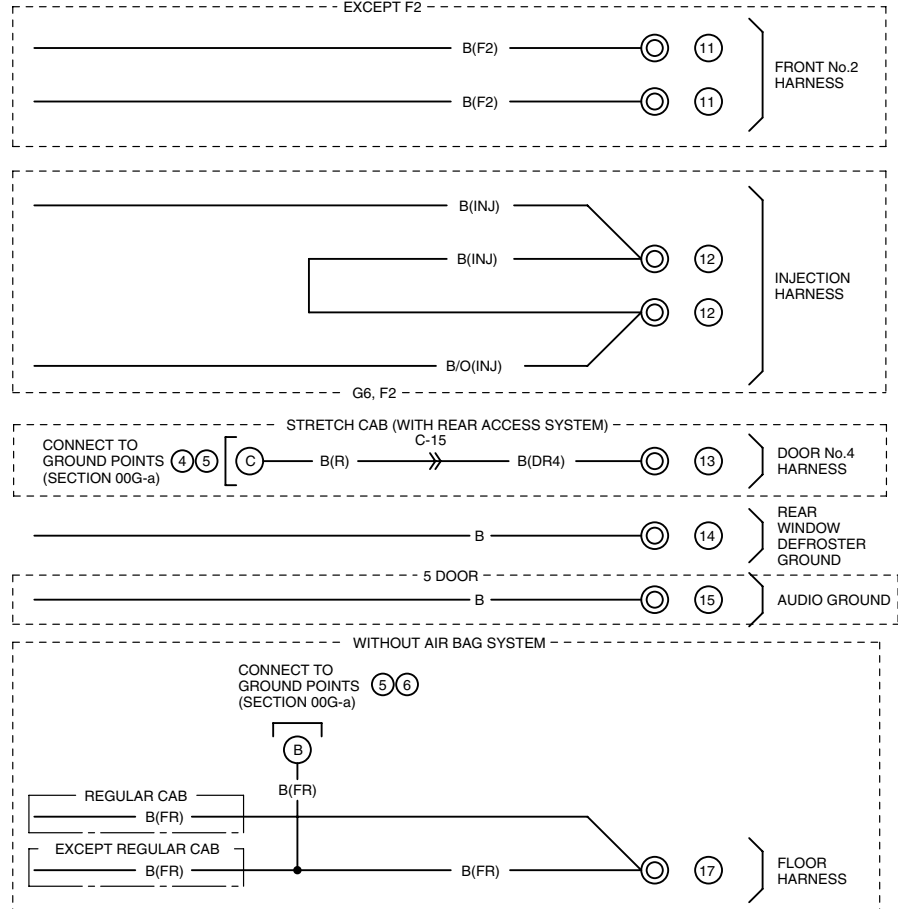
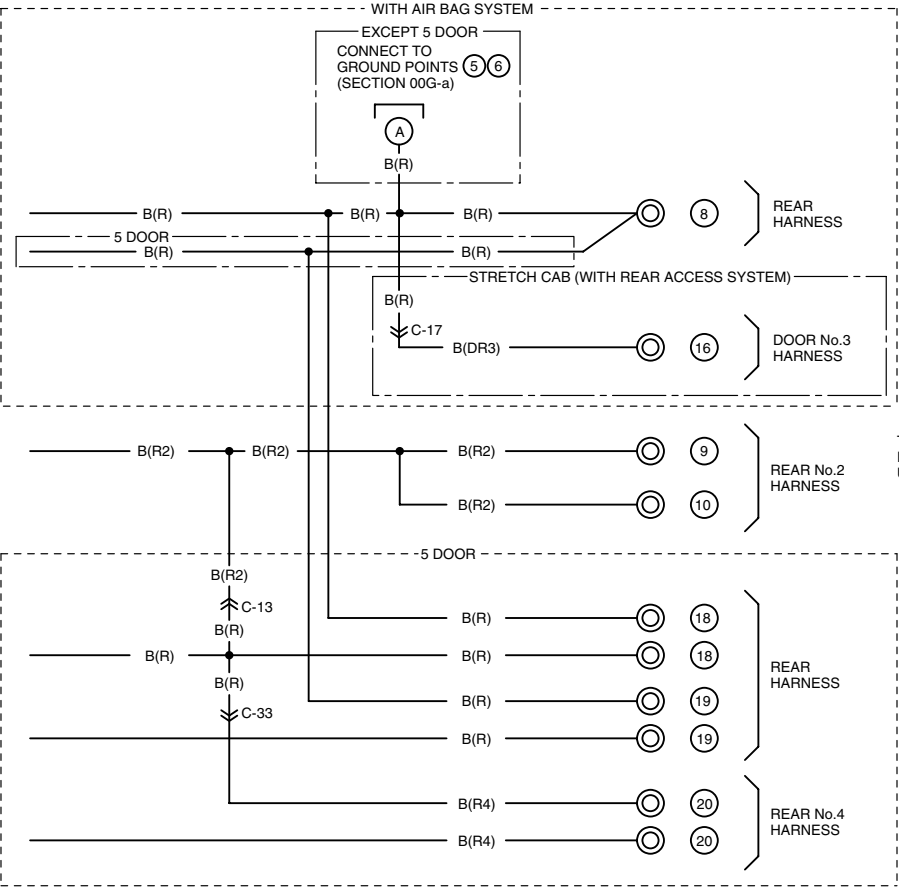
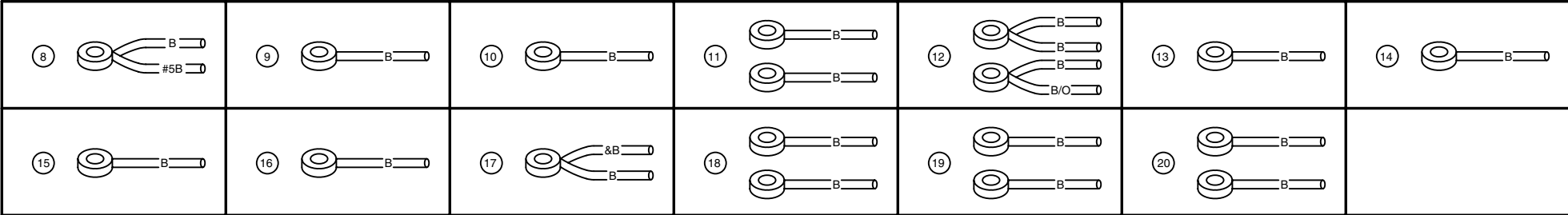
0119-03 DIGITAL TRANSMISSION RANGE SENSOR (E)





GROUND POINT

00G-b



& ...REGULAR CAB
#5 ...5 DOOR

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TO EACH UNIT

TO EACH UNIT