



معاونت فنی و مهندسی

راهنمای تعمیرات

معرفی و جانمایی دسته سیمها و

نقشه‌های الکتریکی

هایما S7 توربوشارژر

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زمستان ۱۳۹۵

راهنمای معرفی و جانمایی دسته سیمها و نقشه های الکتریکی خودروی هایما (S7) توربوشارژر



فهرست

فارسی	code	English
اتصالات بدنه	Y	Ground Point
شماتیک دسته سیم ها	W-1 W-2	Electric Harness Schematic
سیستم شارژ و سیستم استارت	A-1	Charging System & Starting System
سیستم start/stop	A-2	Start-stop Start-up System
سیستم سوخت رسانی و موتور	B-3a B-3b B-3c B-3d	Engine Control System (1.8T)
گیربکس اتوماتیک	B-4a B-4b B-4c	Transmission Control System(1.8T-6AT)
پمپ بنزین	B-7	Fuel Pump Control System
سیستم خنک کننده موتور	B-8 a	Fan Control System / Vacuum pump (1.8T)
جلو آمپر	C-1a C-1b C-1c C-1d C-1e C-1f	Combination Instrument (1.8T)
برف پاک کن و شیشه شور جلو	D-1a D-1c	Windshield Wiper And Washer
برف پاک کن و شیشه شور عقب	D-1b	Rear- window Wiper And Washer
چراغهای اصلی	E-1	Headlamp
تنظیم ارتفاع چراغ های اصلی	E-2	Headlamp Beam level Adjusting System
چراغهای مه شکن جلو و عقب	E-5	Front/ Rear Fog Lamp
چراغهای جانبی	E-7	License Plate Lamp/Position Lamp/ Tail Lamp/Daytime Running Lamp
چراغهای راهنما و فلاشر	F-1	Turn Indicator And Hazard Warning Lamp
چراغ دنده عقب	F-2	Reversing Lamp
چراغ ترمز	F-3	Brake Lamp
بوق	F-4	Horn
سیستم تهویه مطبوع	G-1a G-1b	Air Conditioning System
کمپرسور کولر	G-2	Compressor Control System



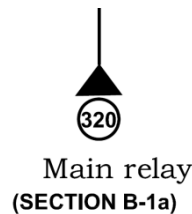
Reversing Radar System	H-1	سیستم هشدار موانع عقب
Rear Vision System	H-2	سیستم دوربین دنده عقب
360° imaging System(1.8T)	H-3	دوربین 360°
Cigarette Lighter / Rear Defroster System.....	I-1	فندک و گرمکن شیشه عقب
Illumination Lamp.....	I-2a I-2b I-2c	چراغهای روشنایی داشبورد
Interior Lamp/ Reading Lamp/ Trunk Lamp	I-3	چراغهای سقفی و صندوق
Sound System	J-1a J-1b	سیستم صوتی و تصویری
Power Window System	K-1	سیستم Power window
Remote And Central Door Lock System.....	K-2a K-2b K-2c K-2d	سیستم قفل مرکزی
Exterior Rearview Mirror Heater/ Power Exterior Rearview Mirror .. L		آینه های جانبی
Sunroof And Auto-dimming Interior Rearview Mirror.....	M	سانروف و آینه وسط
Anti-lock Braking System	O-1a O-1b.....	سیستم ESP و ABS
Smart Key System (PEPS)	N-1a N-1b N-1c	سیستم کلید هوشمند
Body Control System (BCM)	N-2a N-2b.....	نود BCM
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Power Supply System (With Smart Key).....	Z-2a Z-2b	تغذیه سیستم های مختلف (بدون کلید هوشمند)
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Electric Power Steering System (EPS-II)	Q	سیستم فرمان الکترونیکی
Airbag/Seat Belt Pretensioner System(1.8T)	S.....	کیسه هوا و کمربند پیش کشنده
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Communication Wire (CAN) (1.8T).....	U-2a U2b.....	شبکه CAN
Fuse Box Wiring Diagram (1.8T)	FB.....	فیوزها و رله های محفظه موتور
Common Connector List (1.8T).....	X-1 X-2 X-3 X-4	اینتر کانکتورها
Junction Box Wiring Diagram (1.8T)	JB	فیوزهای داخل اتاق

نقشه خوانی:

استاندارد این نقشه های الکتریکی بگونه ای است که نقشه های شماتیک هر سیستم را به صورت جداگانه ترسیم نموده و در پایین هر صفحه مشخصات کانکتور های مورد استفاده در آن نقشه آورده شده است. همچنین صفحه بعدی هر نقشه الکتریکی نقشه جانمایی اینترکانکتور ها و کانکتور های مورد استفاده در آن نقشه ترسیم شده است. به غیر از نقشه های الکتریکی و نقشه جانمایی قطعات، نقشه های فیوز ها و رله ها و همچنین اینترکانکتور ها نیز به صورت جداگانه ترسیم شده و در انتهای مستند آورده شده است.

هر نقشه با یک کد مشخص می شود و برای شناسایی هر نقشه نیاز به کد آن داریم. کدها به صورت حروف لاتین و در اکثر آنها به همراه یک عدد می باشد. نقشه ها بر اساس ترتیب حروف الفبای لاتین مرتب شده اند. بنابراین جهت یافتن هر نقشه در کتاب به کد احتیاج داریم. در هر نقشه با توجه به نیاز آن نقشه ممکن است به چندین نقشه دیگر احتیاج داشته باشیم که نقشه های مورد نیاز با ذکر کد آنها در هر نقشه آورده شده است. در ادامه جدول کلی معرفی نقشه های تمامی سیستم ها و نقشه های مرتبط با هر سیستم آورده شده است. تمامی ارتباطات الکتریکی به صورت تجمیع شده در صفحه های W-1 و W-2 آمده است.

ارتباط نقشه ها با یکدیگر در هر نقشه توسط یک عدد داخل یک دایره و نام قطعه مربوط و در زیر آن کد نقشه مرتبط نوشته شده است. به طور مثال در نقشه سیستم Start-Stop علامت ذیل نشان دهنده ارتباط بخشی از نقشه با نقشه ای با کد B-1a و قطعه رله اصلی (Main relay) می باشد :



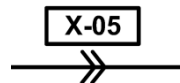
در نقشه با کد B-1a که یکی از نقشه های سیستم سوخت رسانی و موتور میباشد نیز همین شماره (320) جهت ردیابی و قطعه مرتبط (سوئیچ Start-Stop) در نقشه سیستم Start-Stop با کد A-2 نوشته شده است.



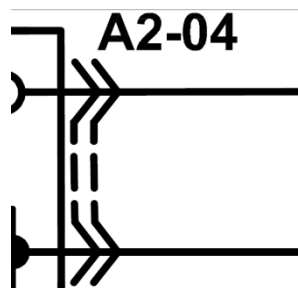
بر روی هر سیم کدی وجود دارد که نشان دهنده رنگ و دسته سیم آن می باشد. حروف خارج از پرانتز یعنی در این مثال B/W نشان دهنده رنگ سیم و همچنین حروف داخل پرانتز نشان دهنده دسته سیم می باشد. جدول معرفی کد رنگ ها و دسته سیم ها در صفحات اولیه کتاب آورده شده است.

—————B/W(EM)—————

در مسیر سیم ها برای نشان دادن وجود اینترکانکتور از علامت زیر استفاده می شود. در این کتاب کد X نشاندهنده اینترکانکتور می باشد. به طور مثال اینترکانکتور X-05 مربوط به ارتباط بین دسته سیم EM (دسته سیم بزرگ موتور) و دسته سیم جلو آمپر می باشد. جدول معرفی تمامی اینترکانکتور ها در صفحات آخر کتاب با کد های X-1 تا X-4 آمده است.

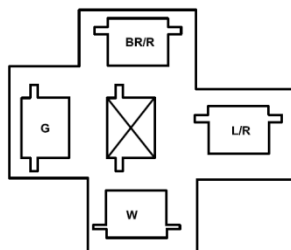


برای نشان دادن کانکتور ها از علامتهایی نظیر علامت زیر استفاده می شود. به طور مثال علامت زیر نشان دهنده آنست که کد کانکتور قطعه مذکور A2-04 می باشد و هر دو سیم بالایی و پایینی در آن قرار دارند. مشخصات کلی هر کانکتور، در پایین صفحه همان نقشه ای که در آن بکار رفته است وجود دارد.

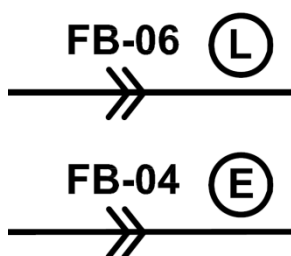


در نقشه های دسته سیم از شماره سیم استفاده نشده است و جهت ردیابی هر مسیر تنها به رنگ سیم و محل قرار گیری در کانکتور بسنده شده است. مانند شکل زیر که کانکتور A2-04 را که مربوط به رله Start-Stop می باشد را نشان داده است.

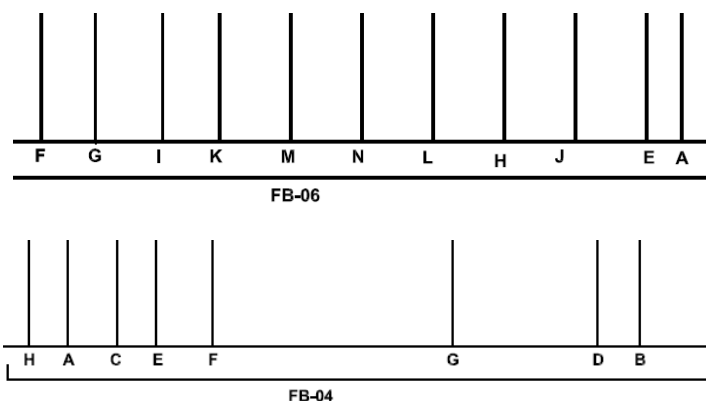
A2-04 Start-stop control relay (EM)



جهت ردیابی ارتباطات سیم ها در نقشه های فیوزها و رله ها داخل محفظه موتور و اتاق (JB و FB) بایستی از علامت ها زیر استفاده نمود.



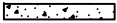
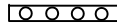
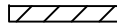
به طور مثال خط ارتباط بالایی نشاندهنده این است که به نقشه FB در بخش FB-06 خط L و برای ارتباط پایینی در نقشه FB در بخش FB-04 خط E مراجعه گردد.

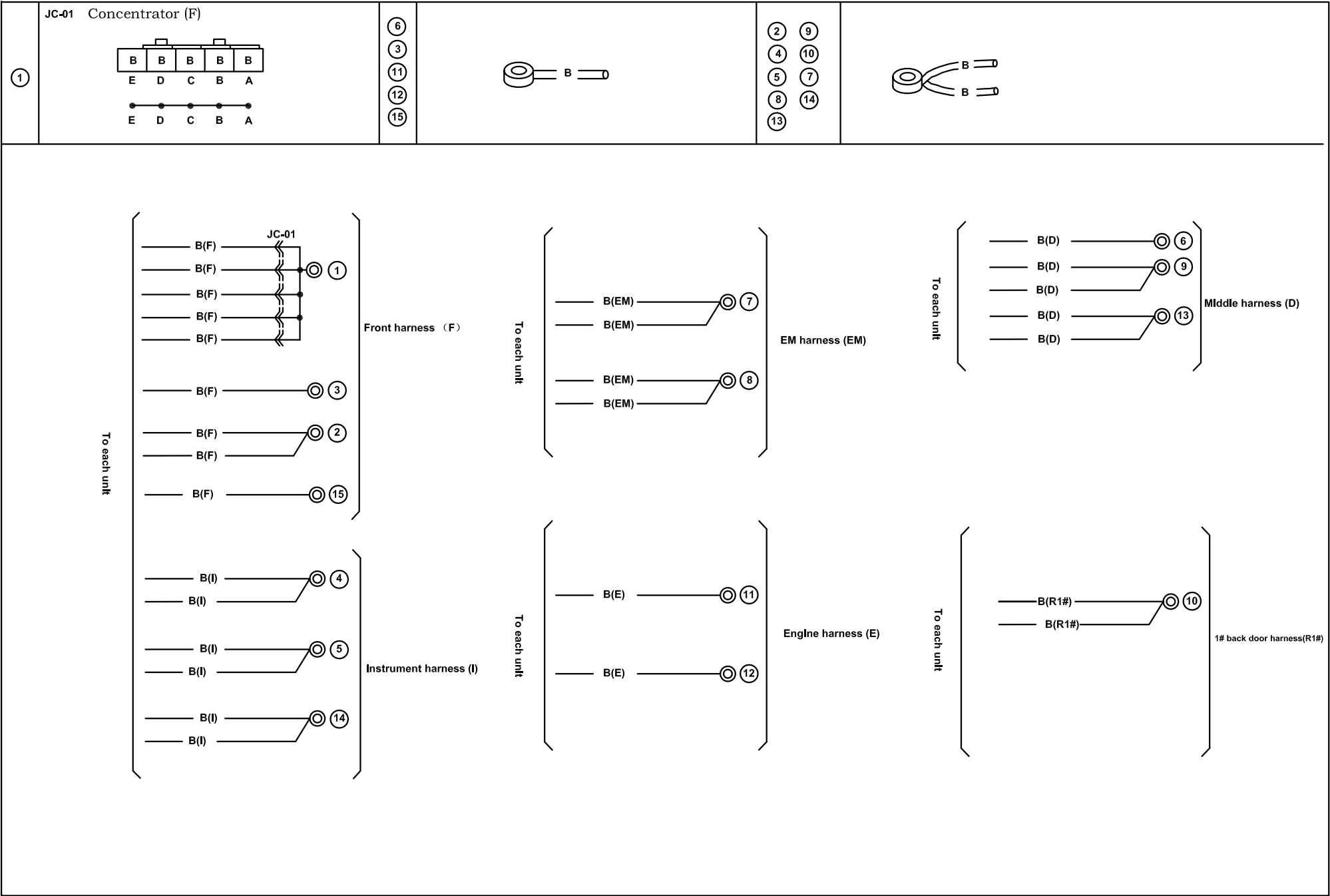


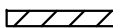
General Wire Color Code

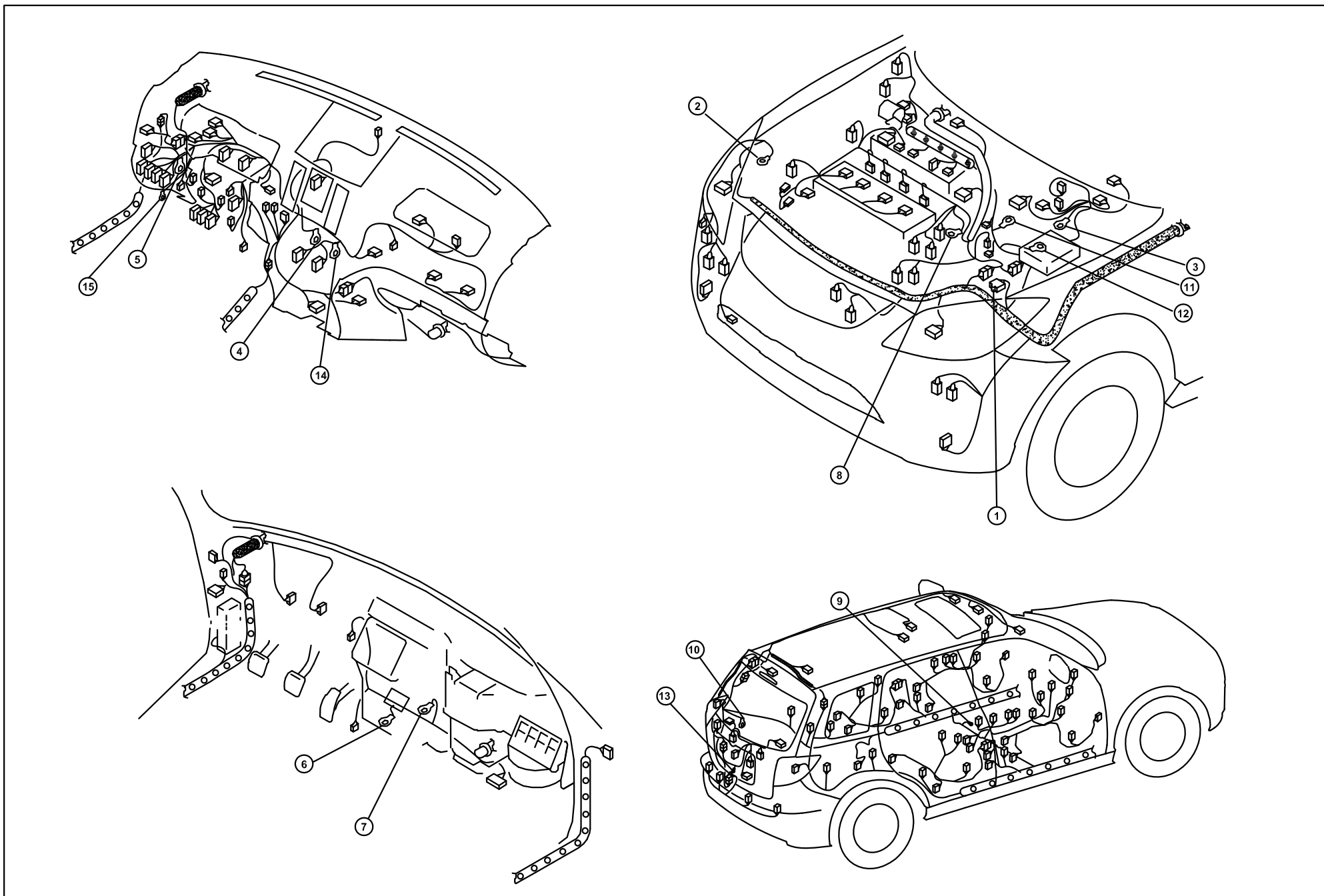
Color	Code	Color	Code
Black	B	Light Green	LG
Brown	BR	Orange	O
Dark blue	DL	Pink	P
Dark Green	DG	Red	R
Gray	GR	Sky Blue	SB
Green	G	Violet	V
Light blue	LB	White	W
Blue	L	Yellow	Y

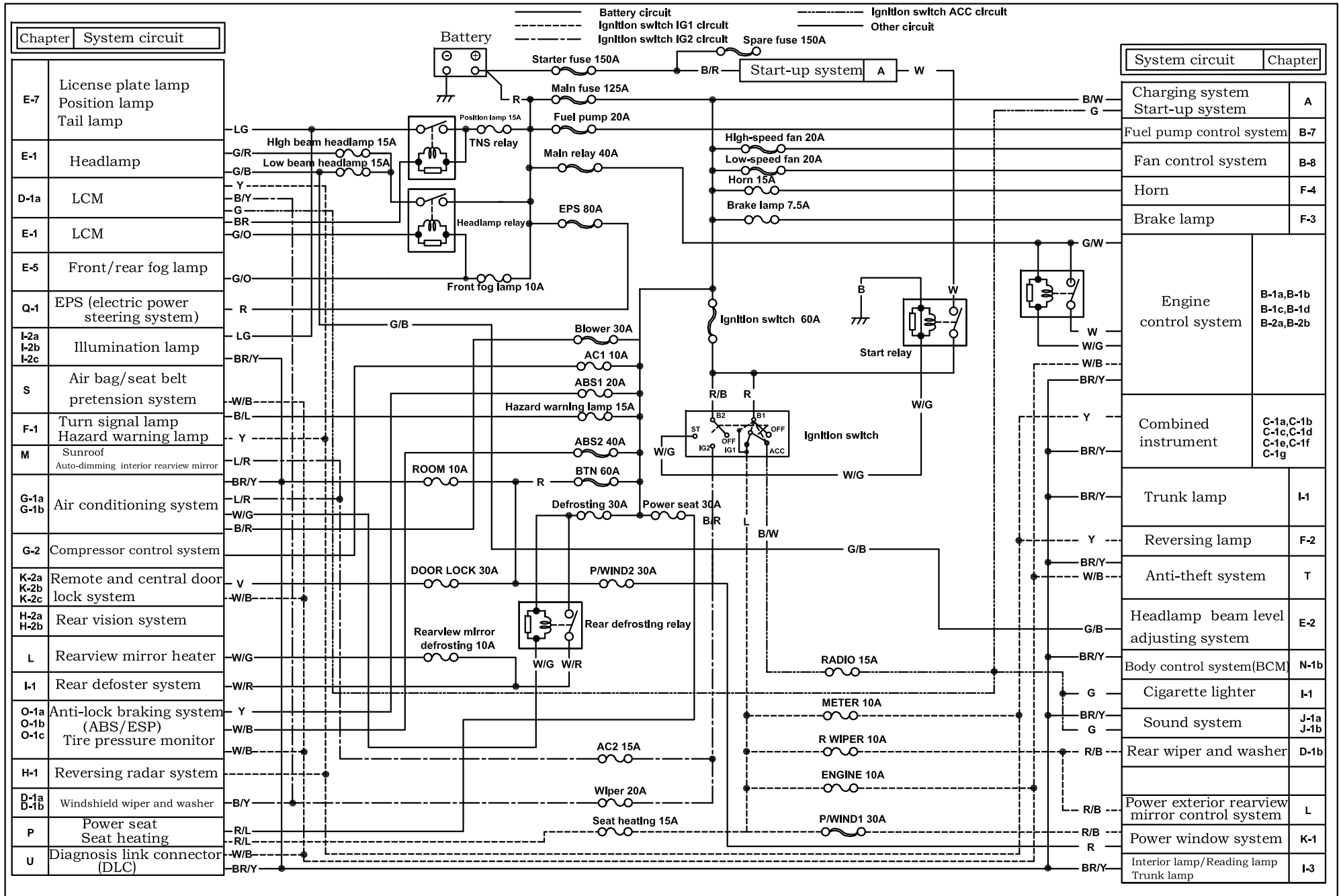
Harness symbol

Name	Symbol		Name	Symbol	
Front harness	F		Grounding harness	EA	
Engjne harness	E		Interior harness	IN	
EM harness	EM		Reversing radar harness	RA	
Middle harness	D		2# Back door harness	R2#	
Rear harness	R		1# Back door harness	R1#	
Front left door harness	DR1				
Front right door harness	DR2				
Rear left door harness	DR3				
Rear right door harness	DR4				
Instrument harness	I				

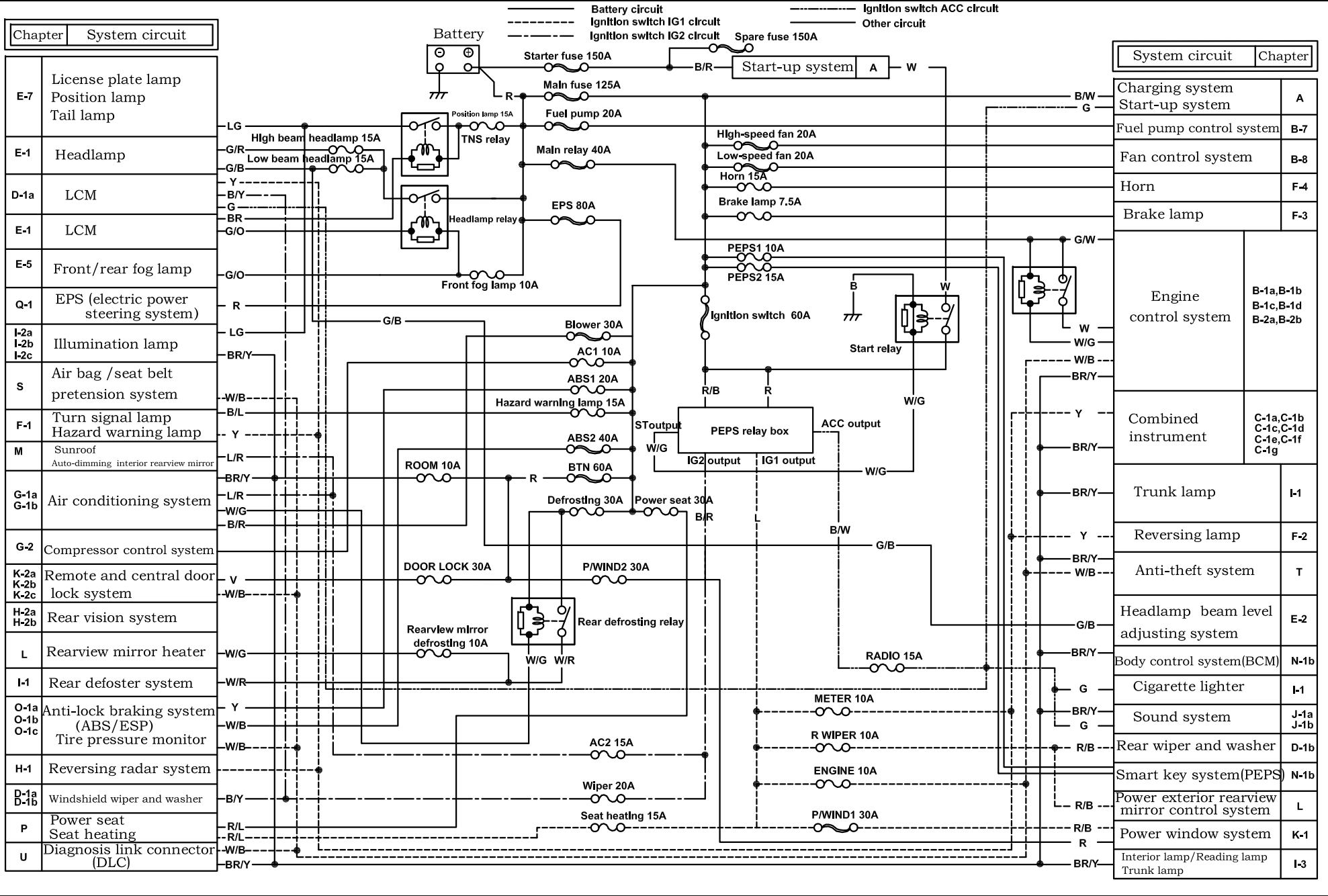


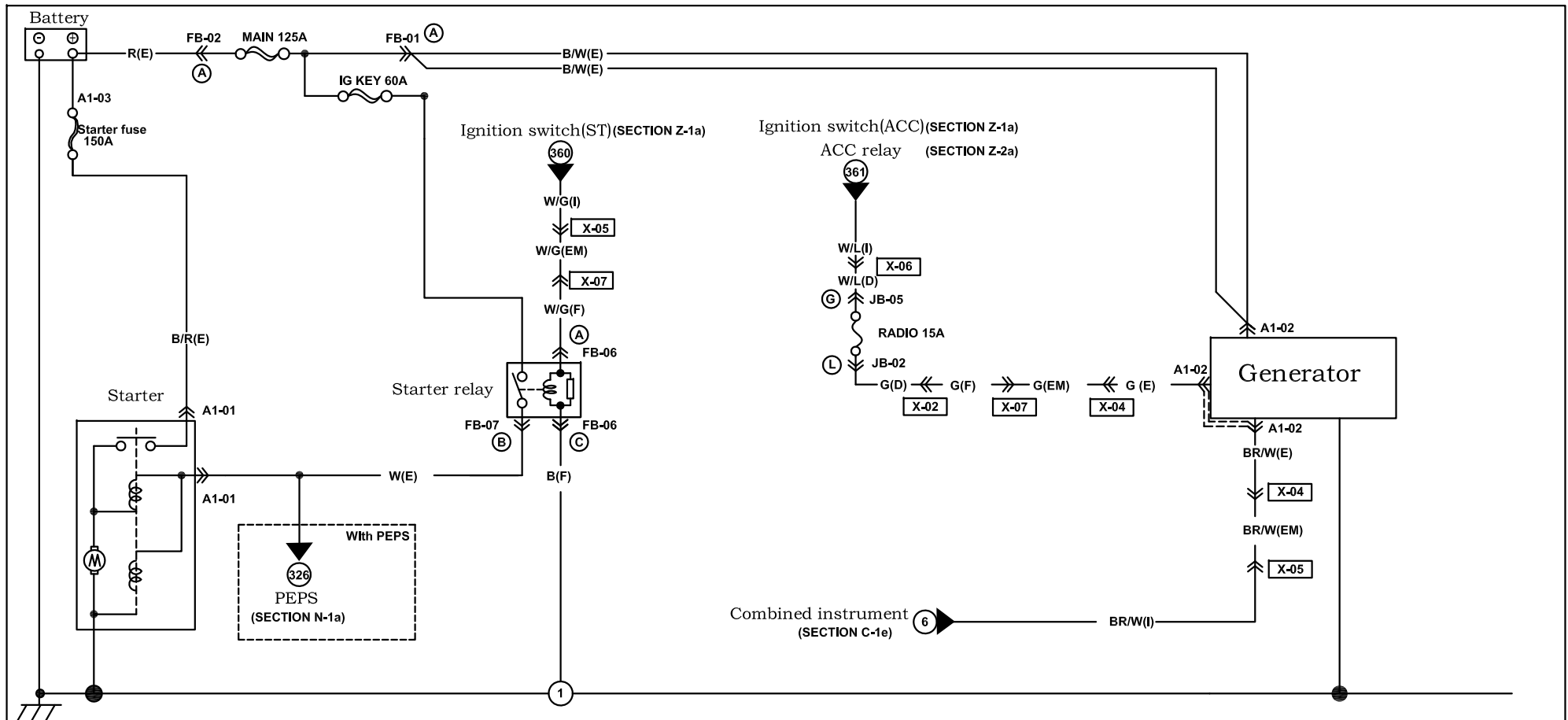
Harness mark:  (F)  (E)  (D)  (R)

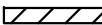


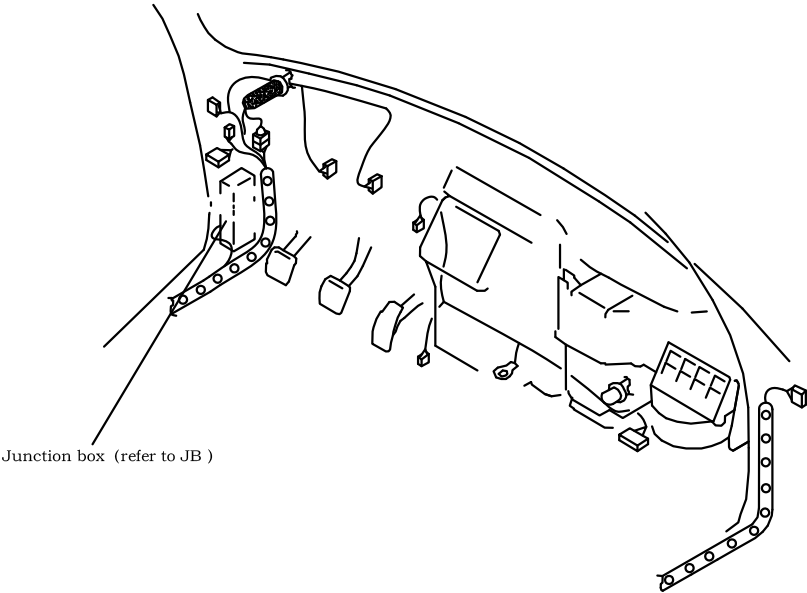
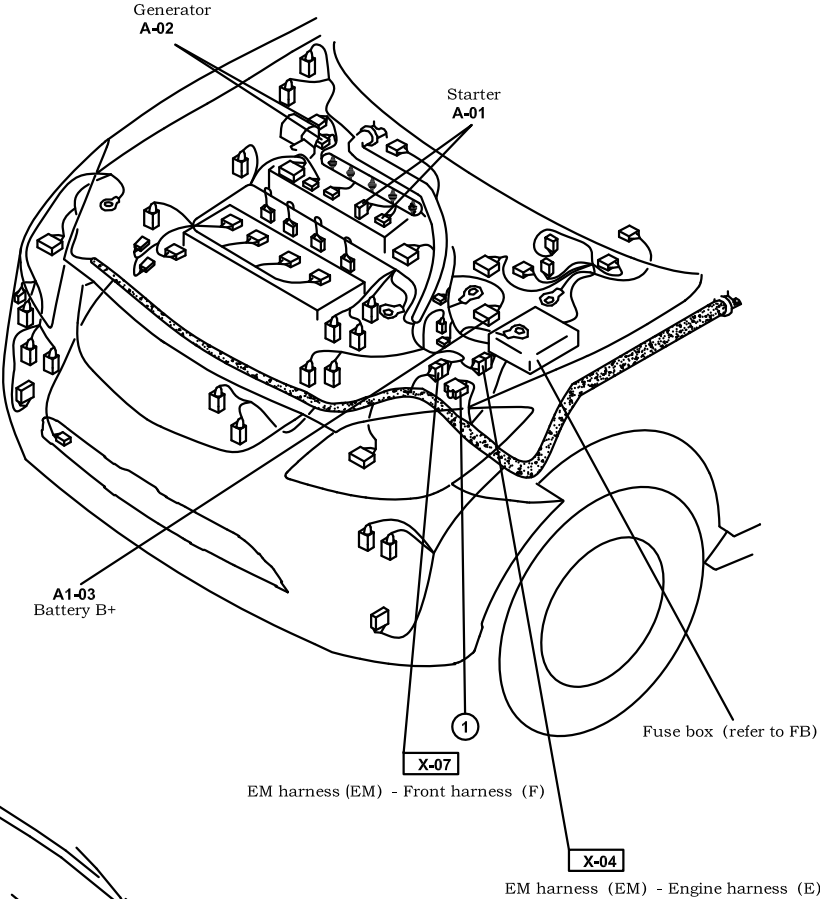
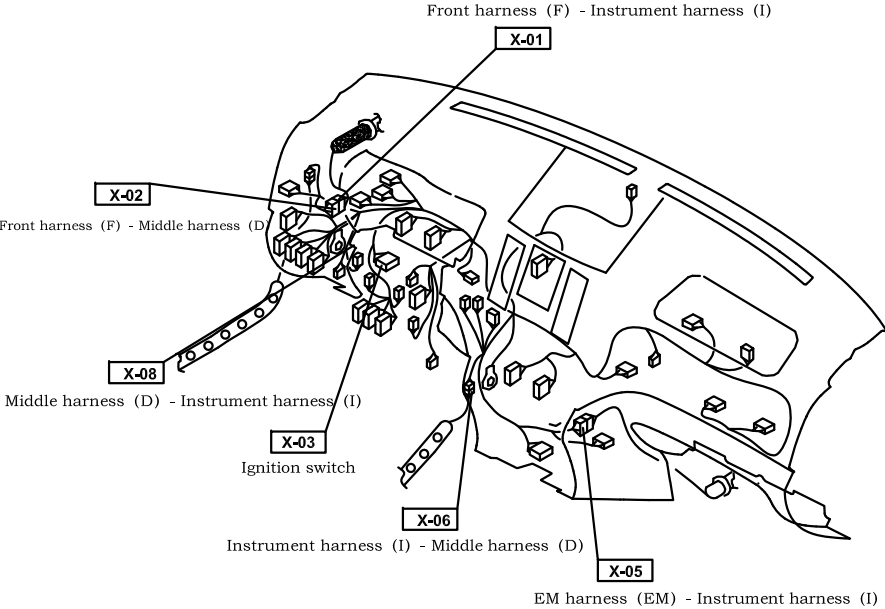


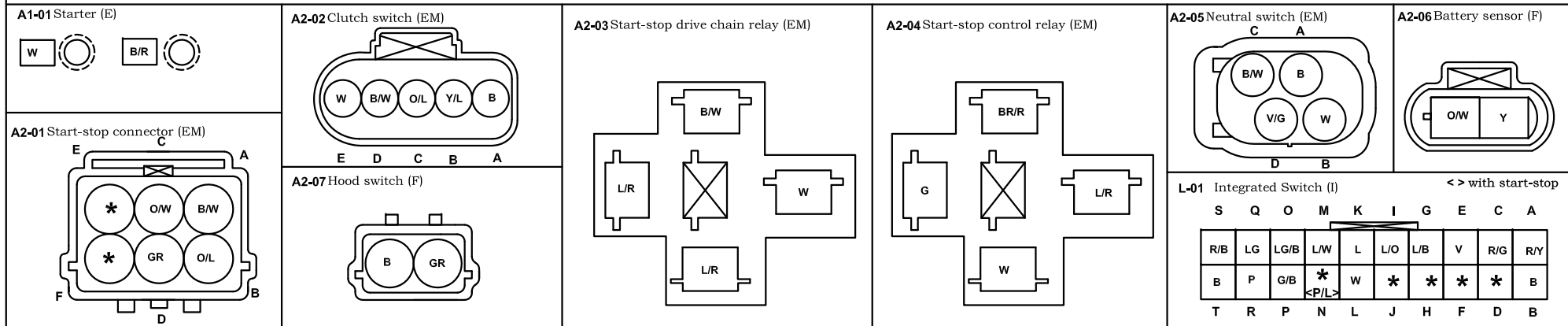
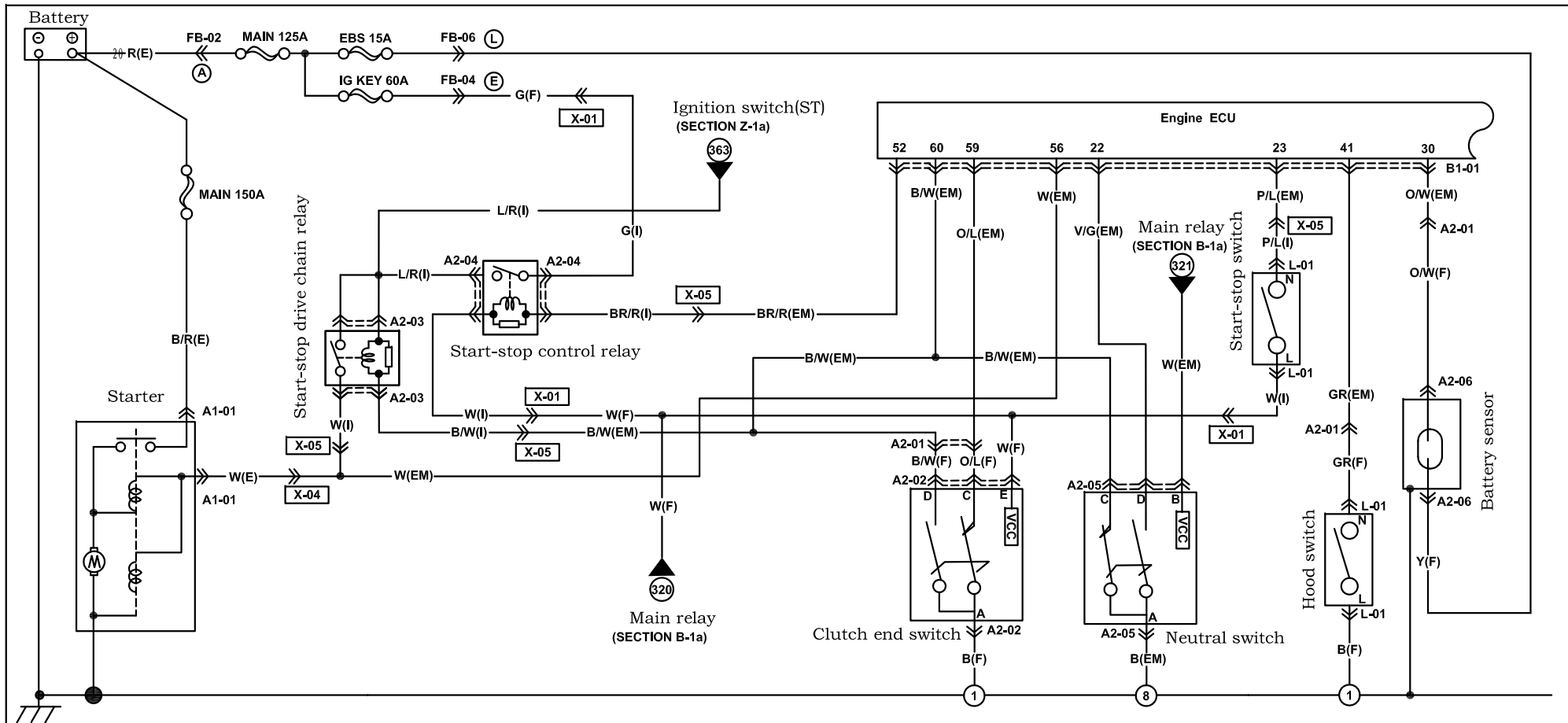
Electric harness schematic (with smart key)

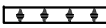
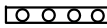
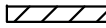


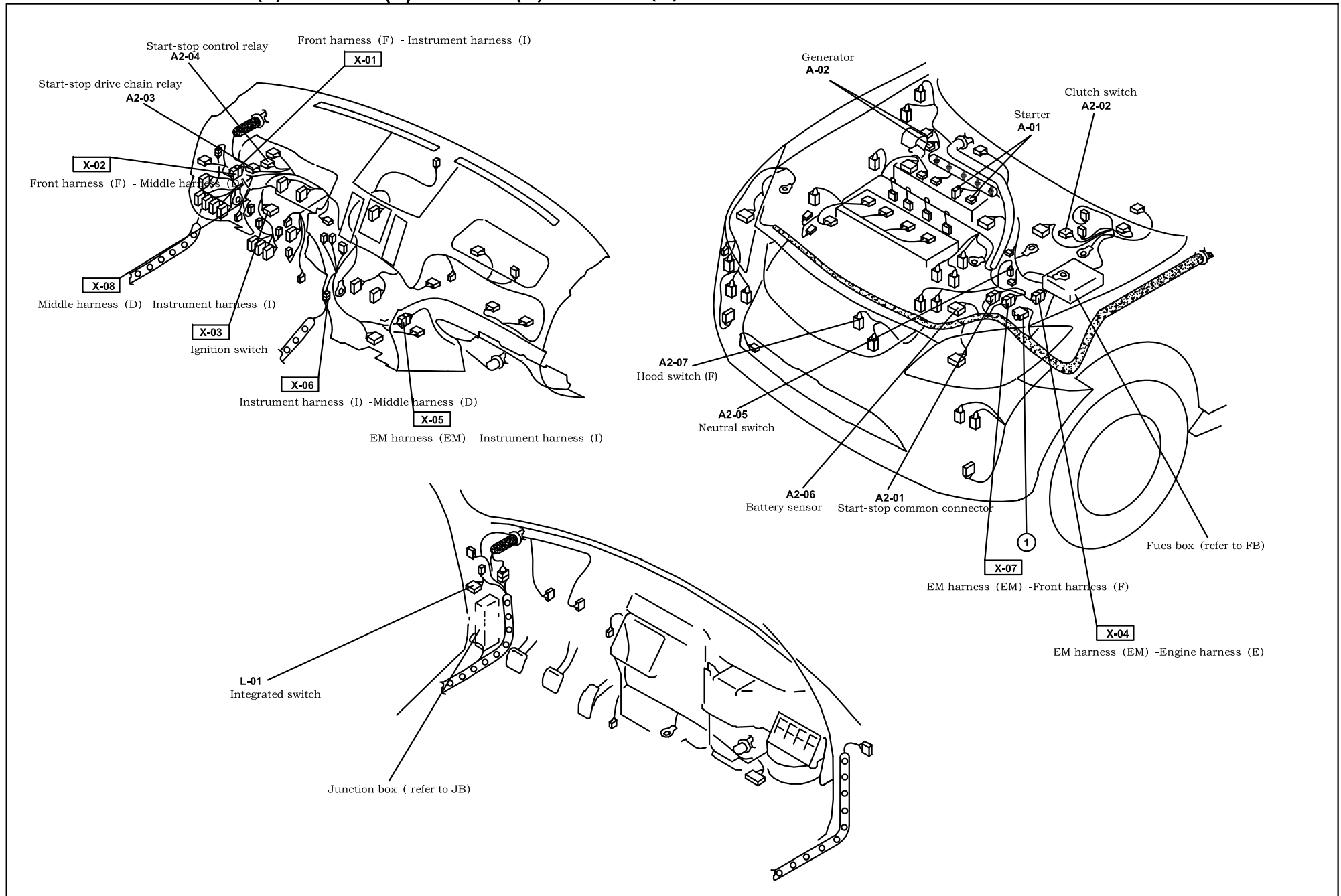


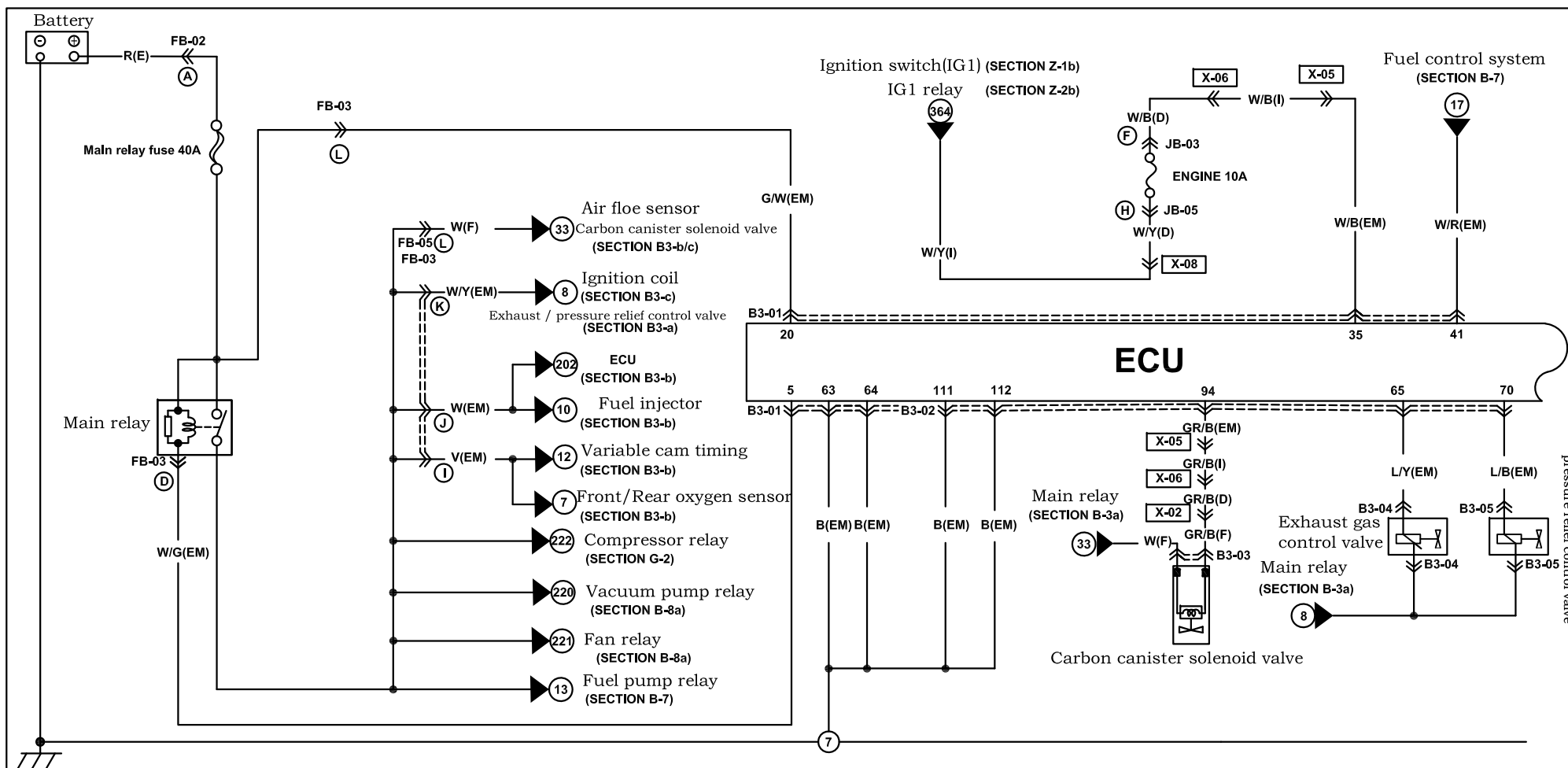
Harness mark:  (F)  (E)  (D)  (R)





Harness mark:  (F)  (E)  (D)  (R)





B3-01 ECU(EM)

64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
B	B	P/G	O/W	LG	Y/L	*	*	Y/G	*	G/L	*	*	*	*	*
48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
B/R	W/R	B/Y	LG/R	P/B	W/L	BR/Y	W/R	*	*	*	G/Y	Y/G	W/B	*	*
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
Y/G	*	Y/W	*	V	*	*	R/G	*	B/L	*	Y/B	G/W	V	*	L/O
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
W	W	*	*	O	*	*	G/O	*	L/W	*	W/G	*	*	*	B/G

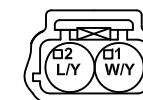
B3-02 ECU(EM)

112	111	110	109	108	107	106	105	104	103	102	101
B	B	*	G/Y	LG/Y	Y/G	*	V/B	L/G	*	V/R	G/W
100	99	98	97	96	95	94	93	92	91	90	89
B/R	R/Y	Y/G	*	V/W	L/W	GR/B	W/G	*	BR/W	Y/L	BR/R
88	87	86	85	84	83	82	81	80	79	78	77
L	O	Y/R	W/R	GR/Y	*	*	*	L/W	*	GR	Y
76	75	74	73	72	71	70	69	68	67	66	65
L/O	W/Y	Y/G	L/O	W/B	L/R	L/B	P/L	R/Y	LG	*	L/Y

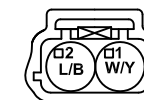
B3-03 Carbon canister solenoid valve (EM)

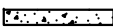
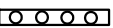


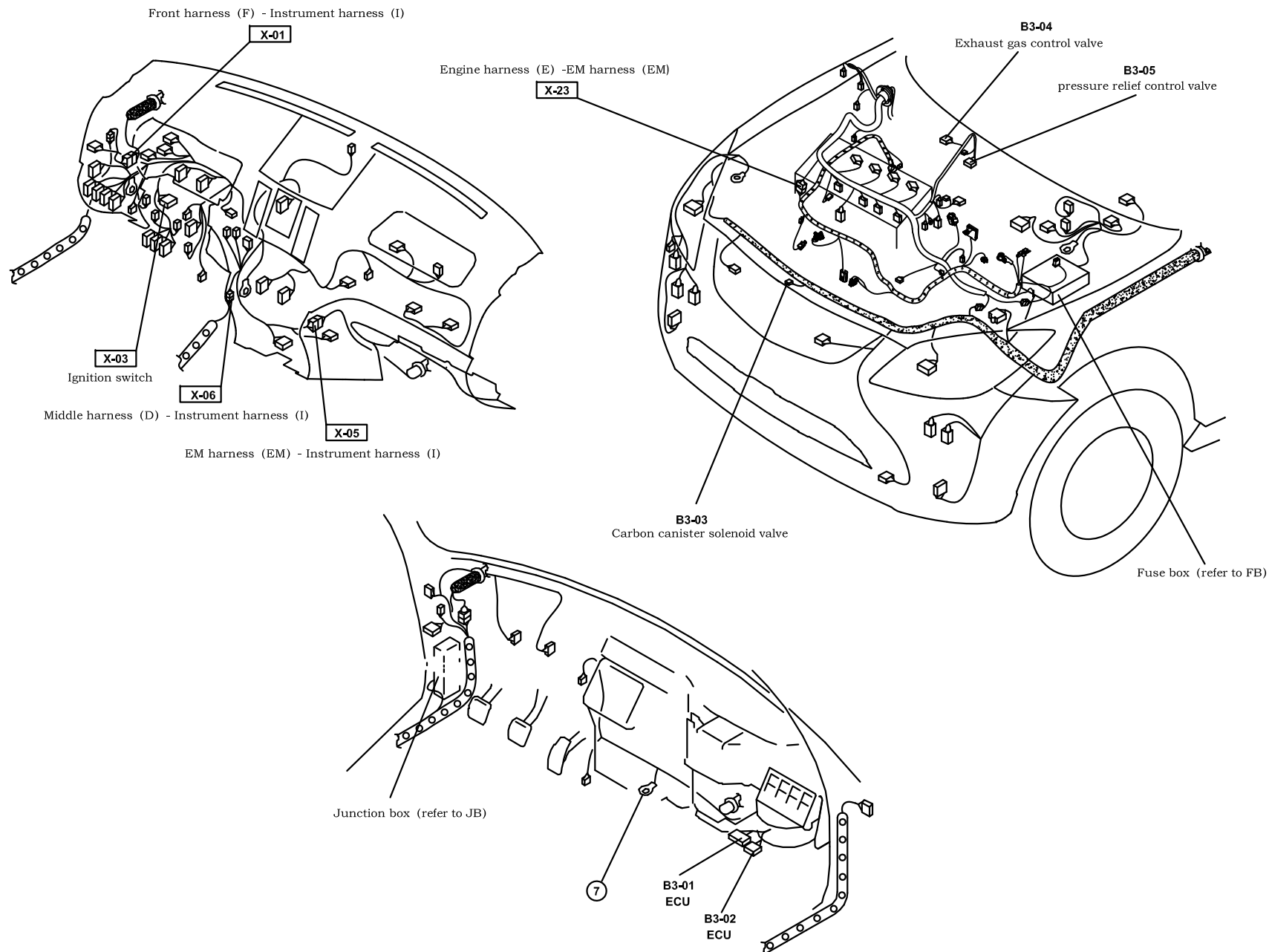
B3-04 Exhaust gas control valve (EM)

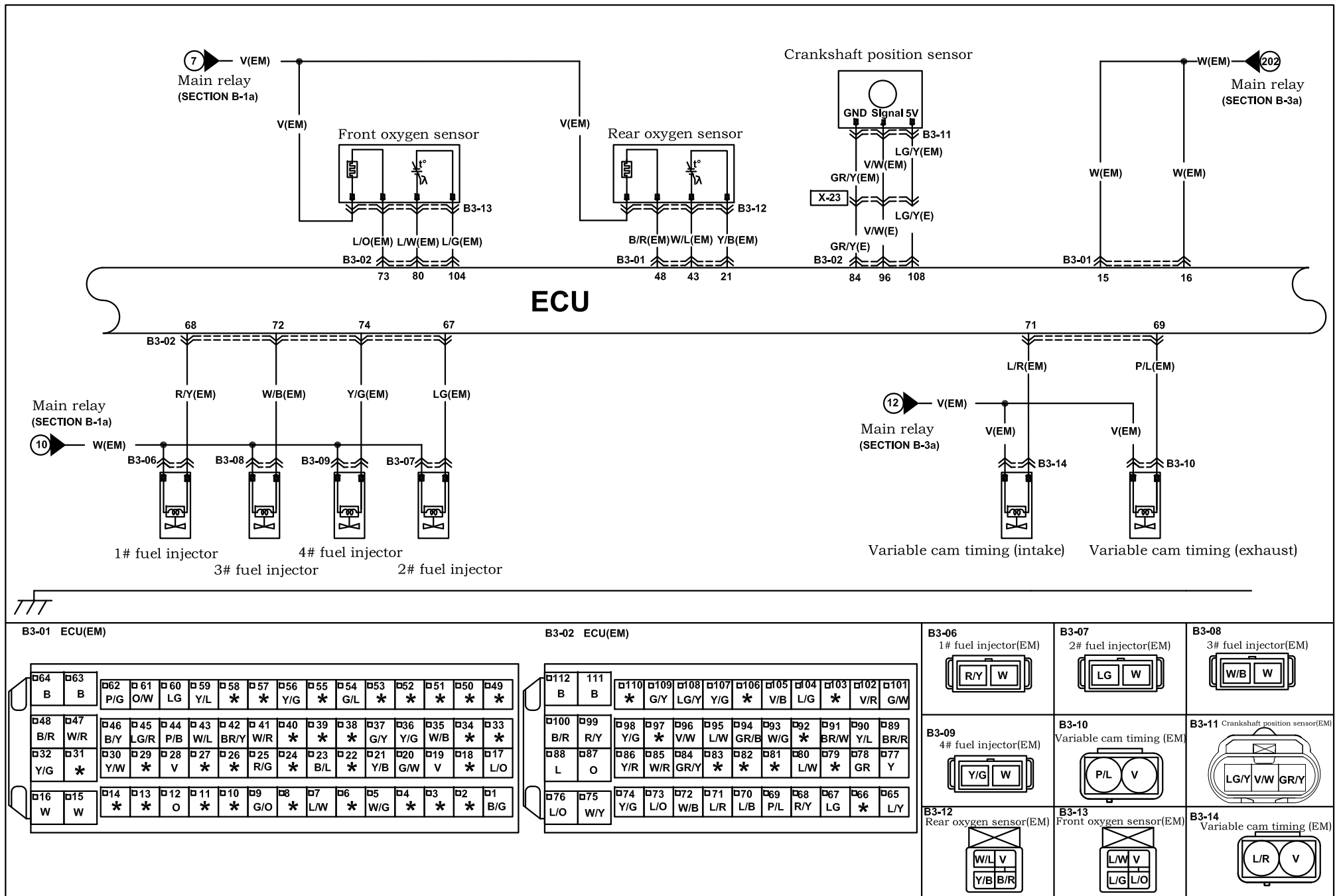


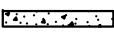
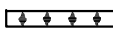
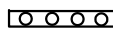
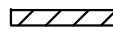
B3-05 pressure relief control valve (EM)

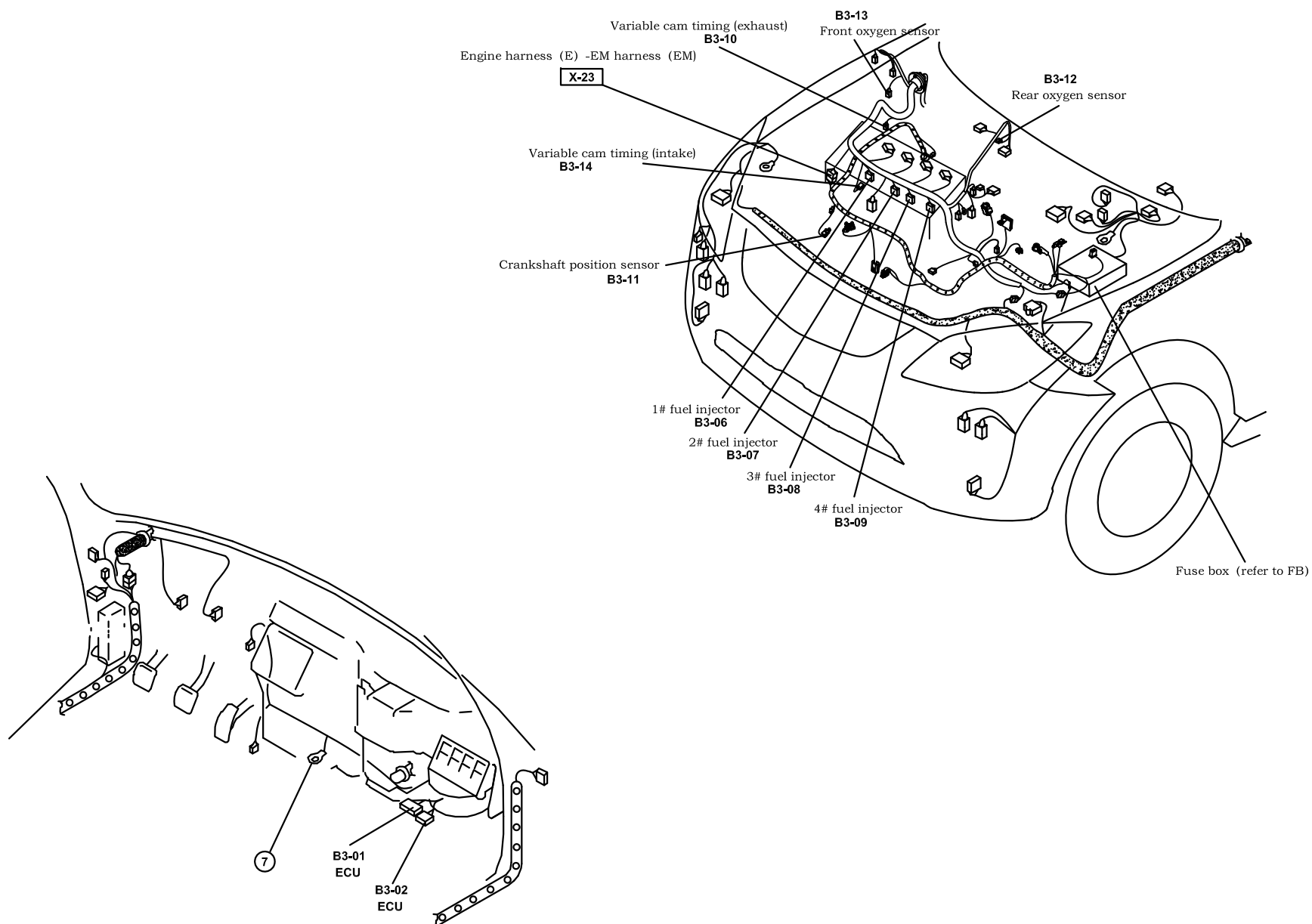


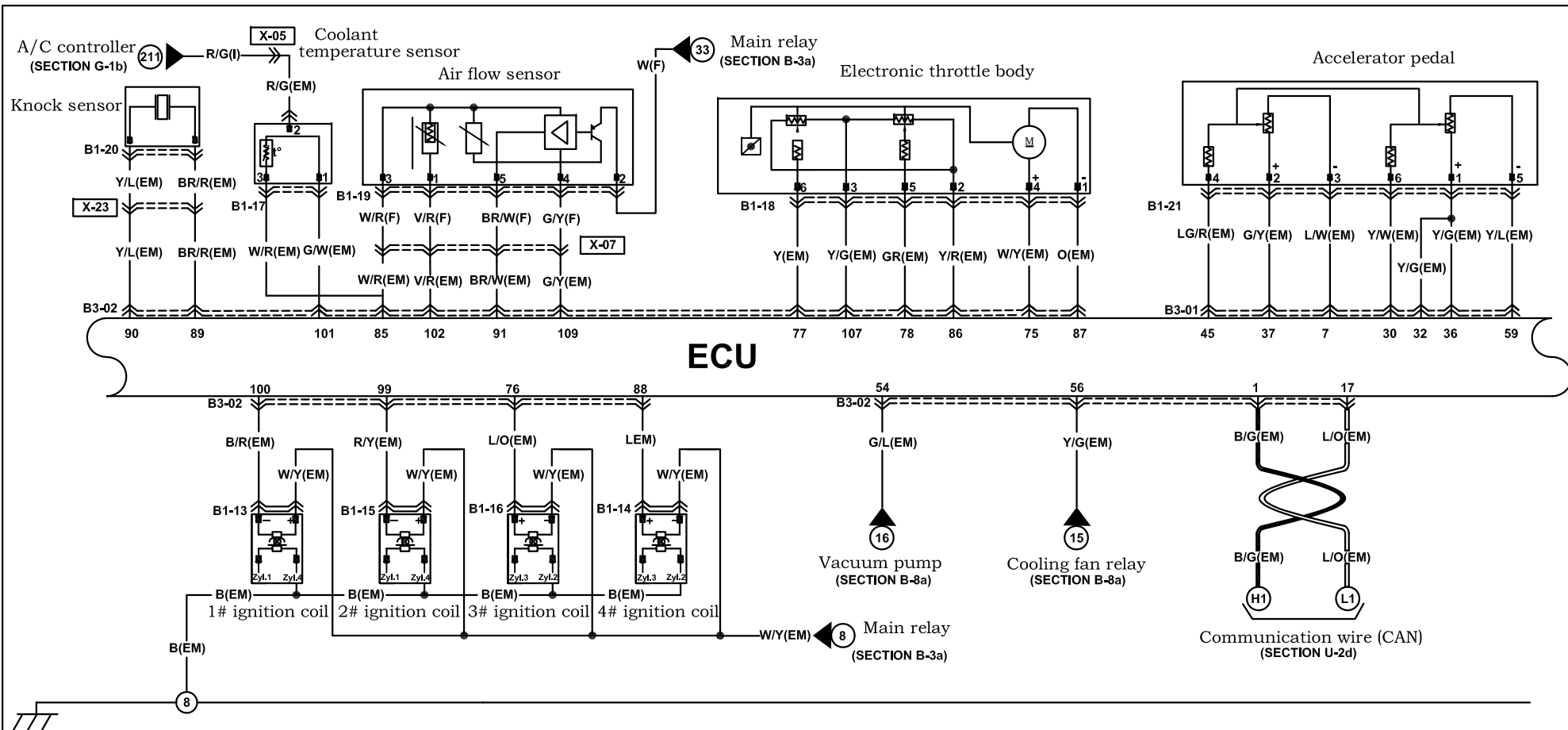
Harness mark:  (F)  (E)  (D)  (R)





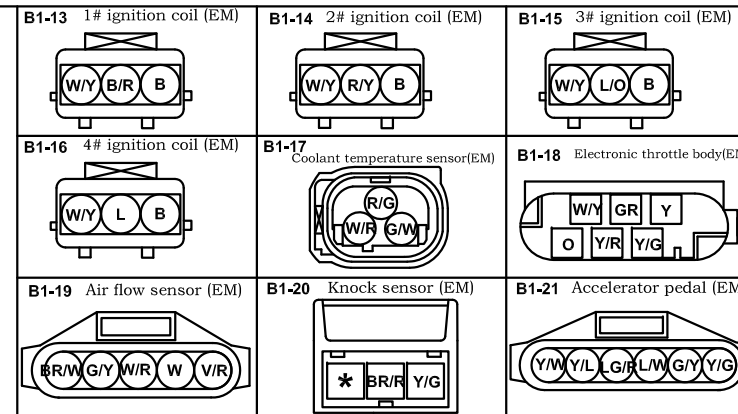
Harness mark:  (F)  (E)  (D)  (R)



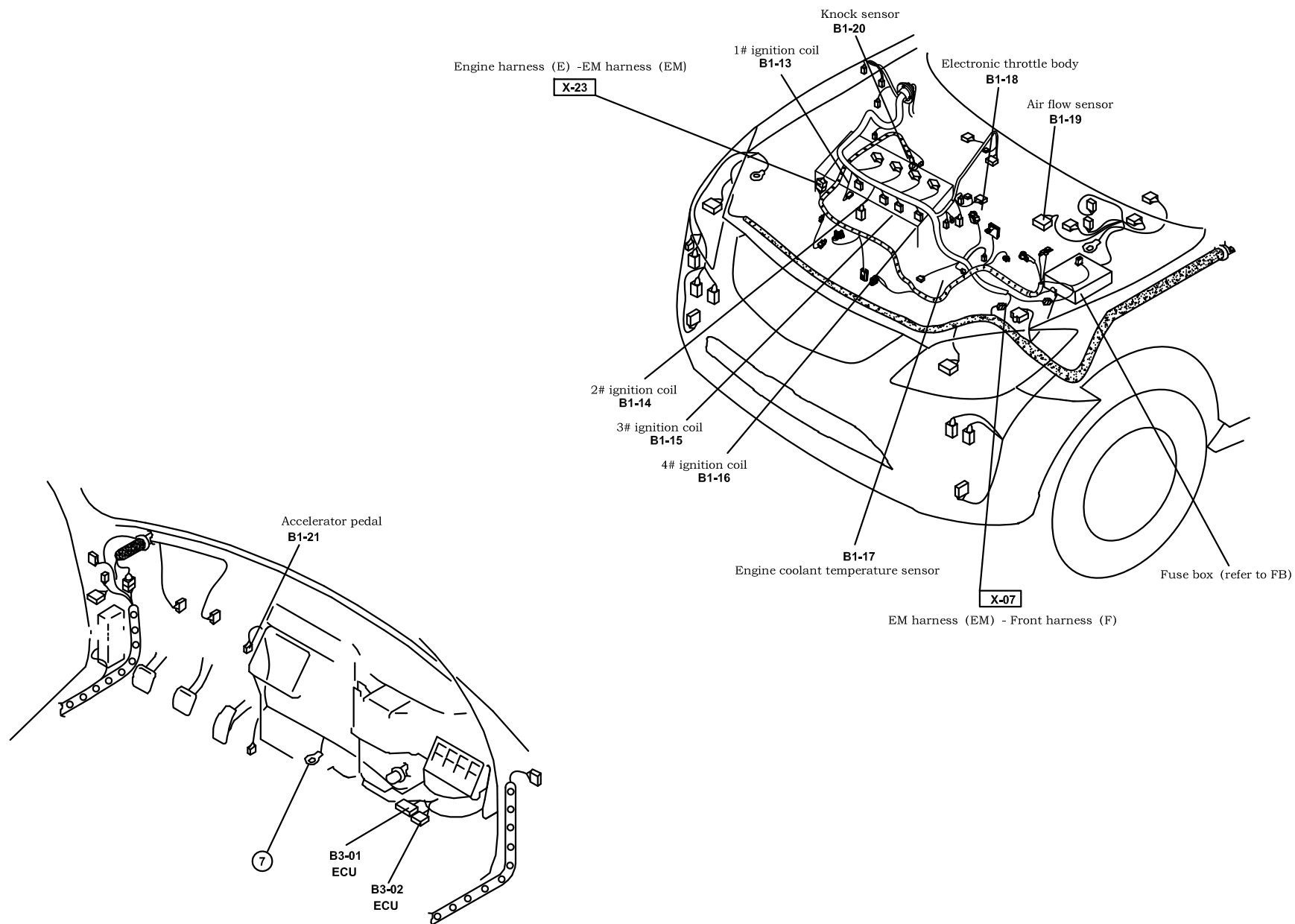


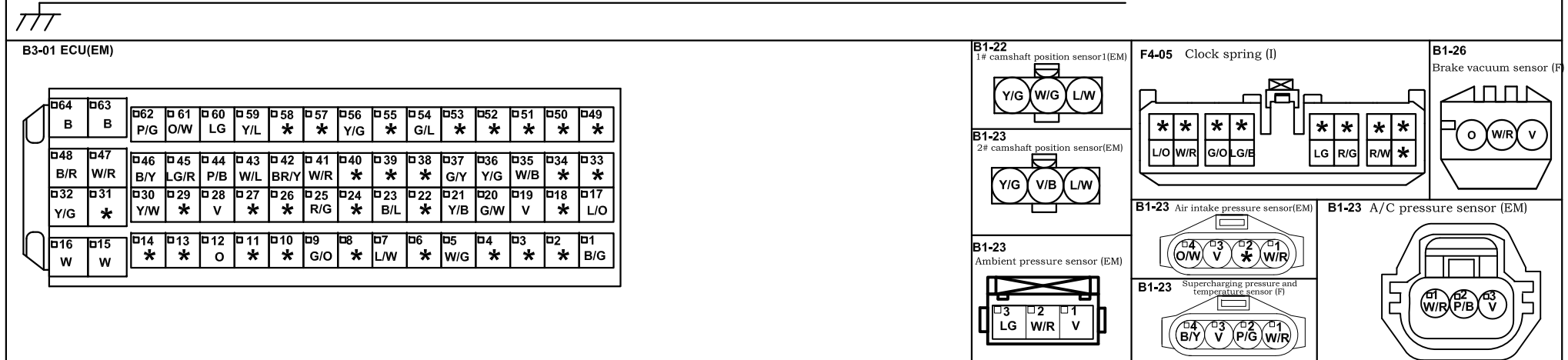
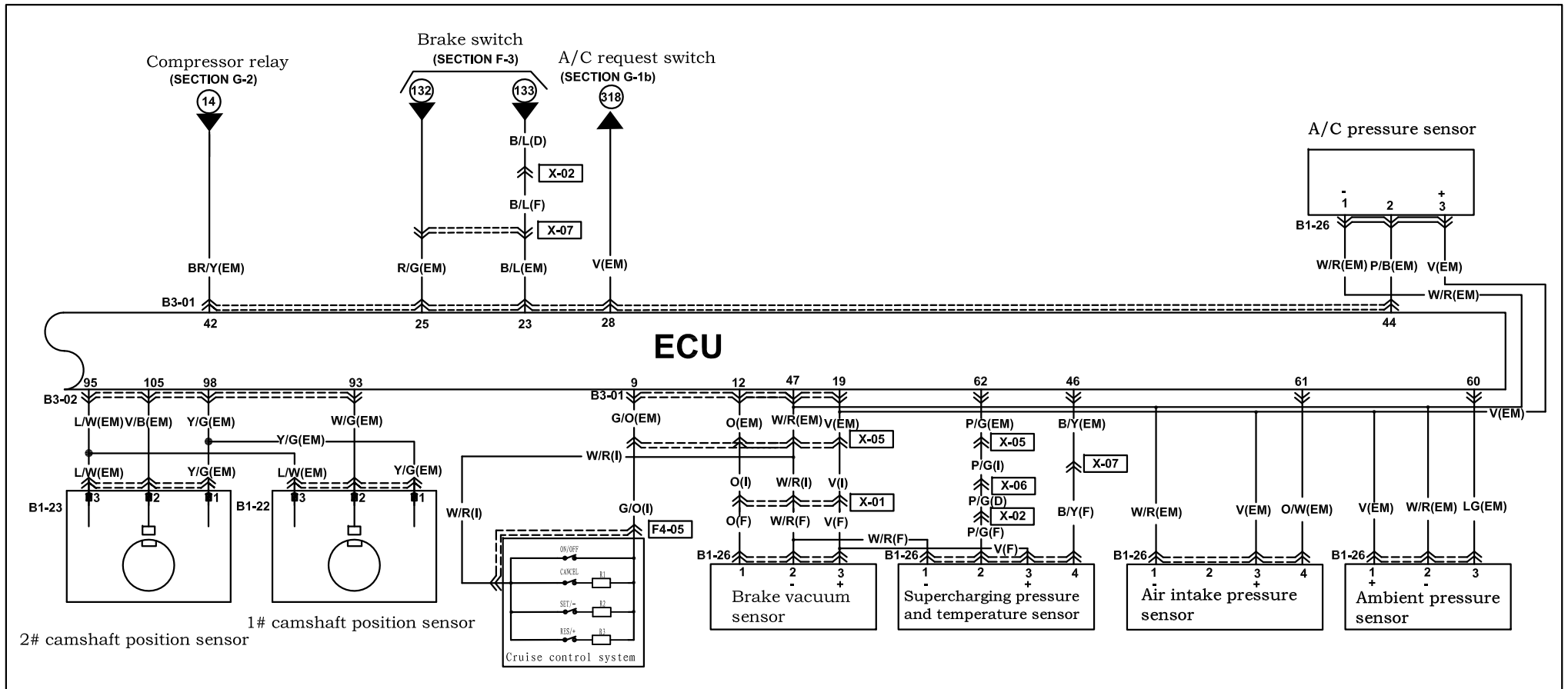
B3-02 ECU(EM)

112	111	110	109	108	107	106	105	104	103	102	101
B	B	*	G/Y	LG/Y	Y/G	*	V/B	L/G	*	V/R	G/W
100	99	98	97	96	95	94	93	92	91	90	89
B/R	R/Y	Y/G	*	V/W	L/W	GR/B	W/G	*	BR/W	Y/L	BR/R
88	87	86	85	84	83	82	81	80	79	78	77
L	O	Y/R	W/R	GR/Y	*	*	*	L/W	*	GR	Y
76	75	74	73	72	71	70	69	68	67	66	65
L/O	W/Y	Y/G	L/O	W/B	L/R	L/B	P/L	R/Y	LG	*	L/Y

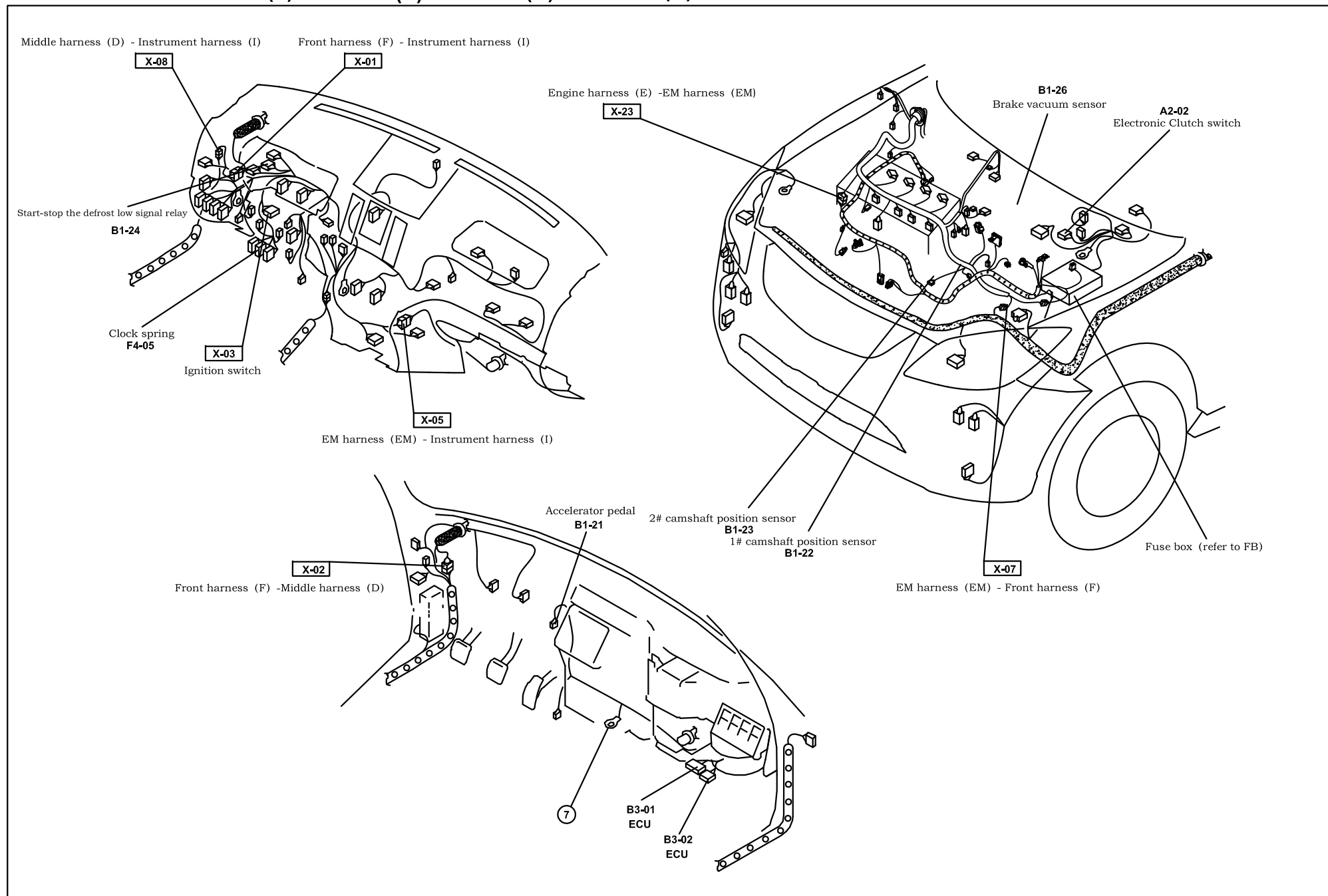


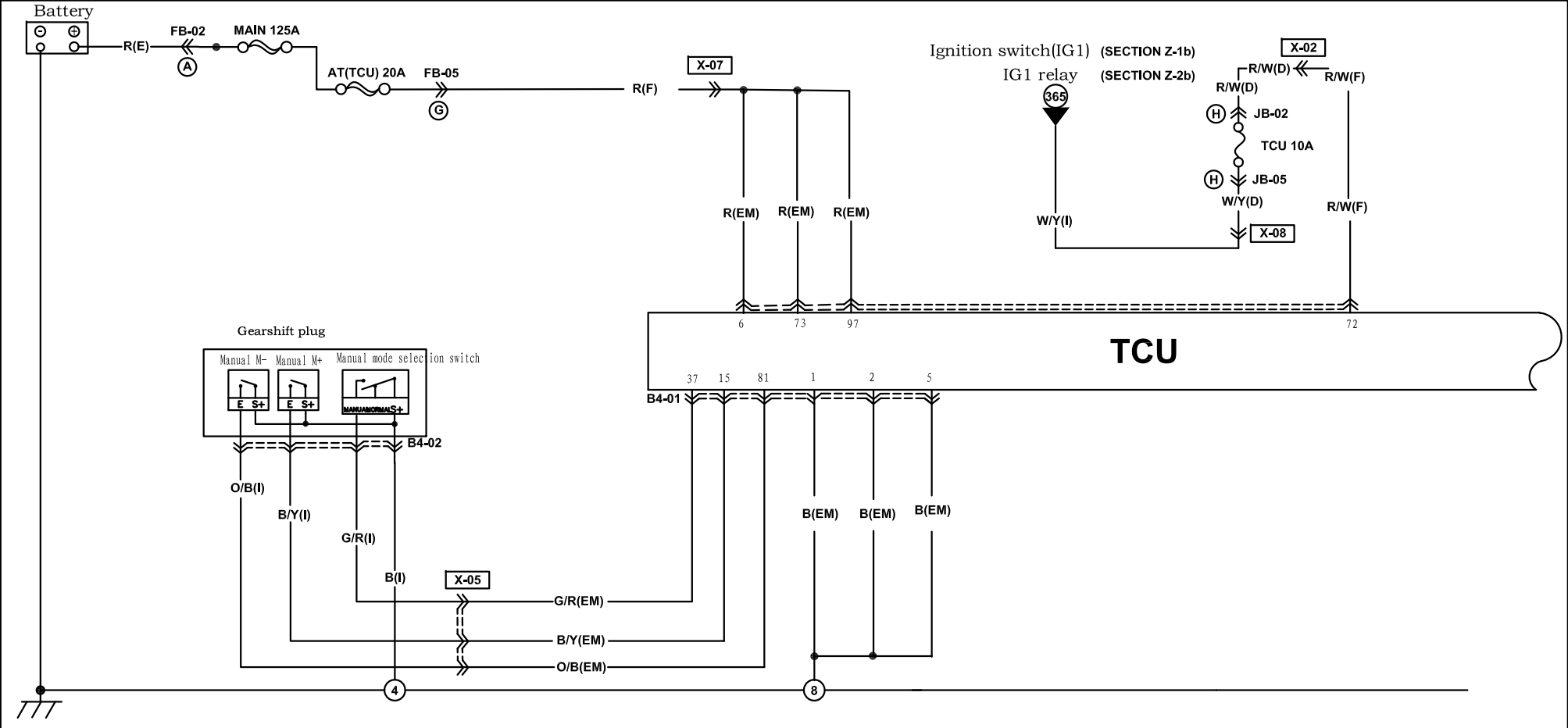
Harness mark:  (F)  (E)  (D)  (R)



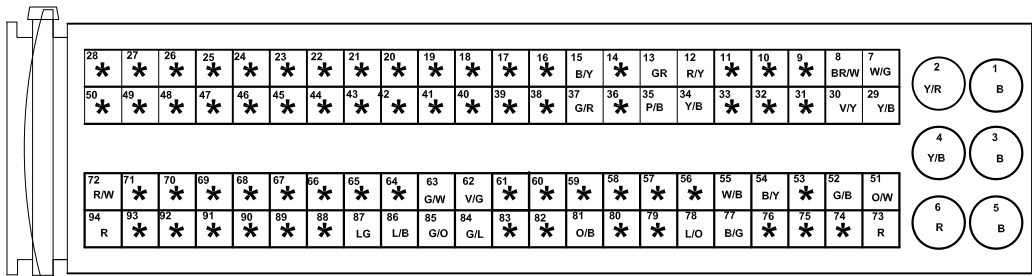


Harness mark:  (F)  (E)  (D)  (R)



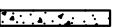
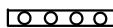


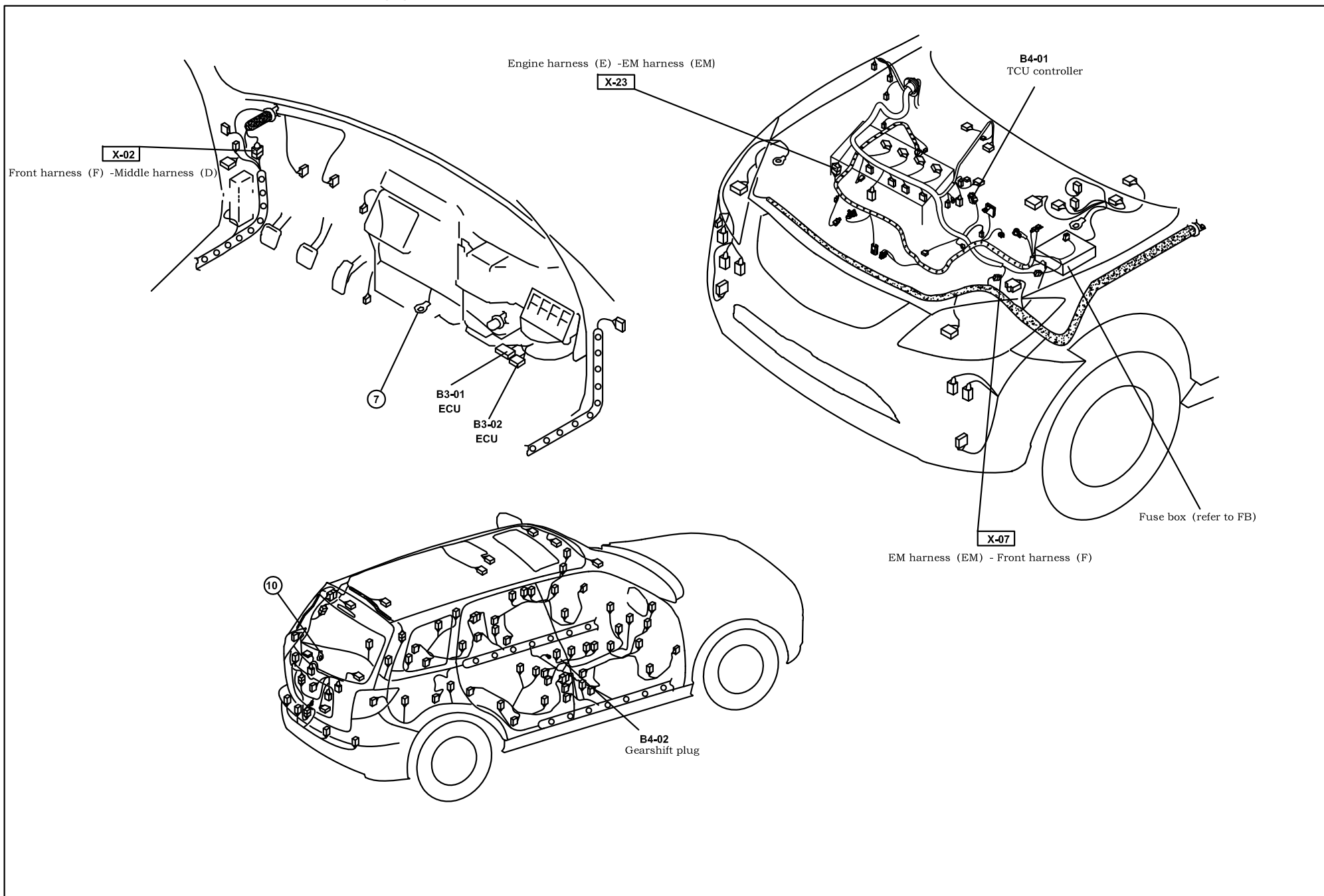
B4-01 TCU(EM)



B4-02 Gearshift plug (I)

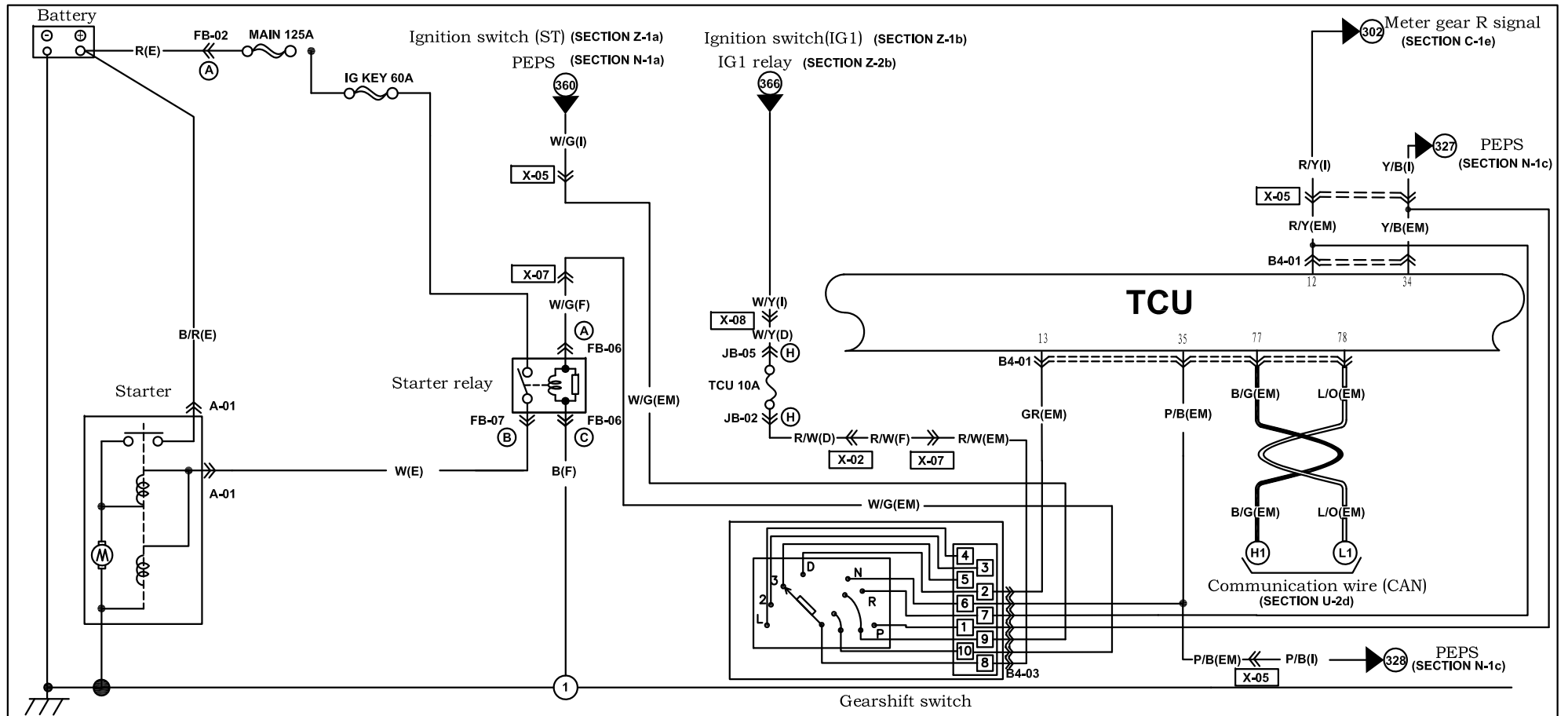
G	LG			B	B/Y	A
	LG/B	*	G/R	*	O/B	
H						B

Harness mark:  (F)  (E)  (D)  (R)

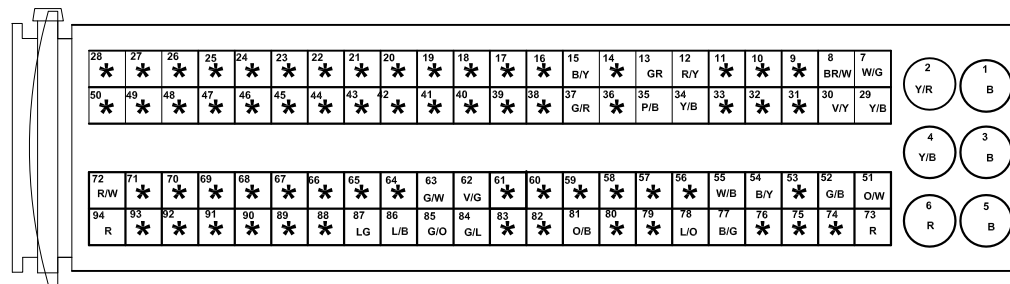


Transmission control system (1.8T-6AT)

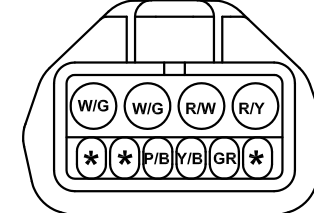
B-4b

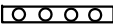
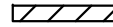


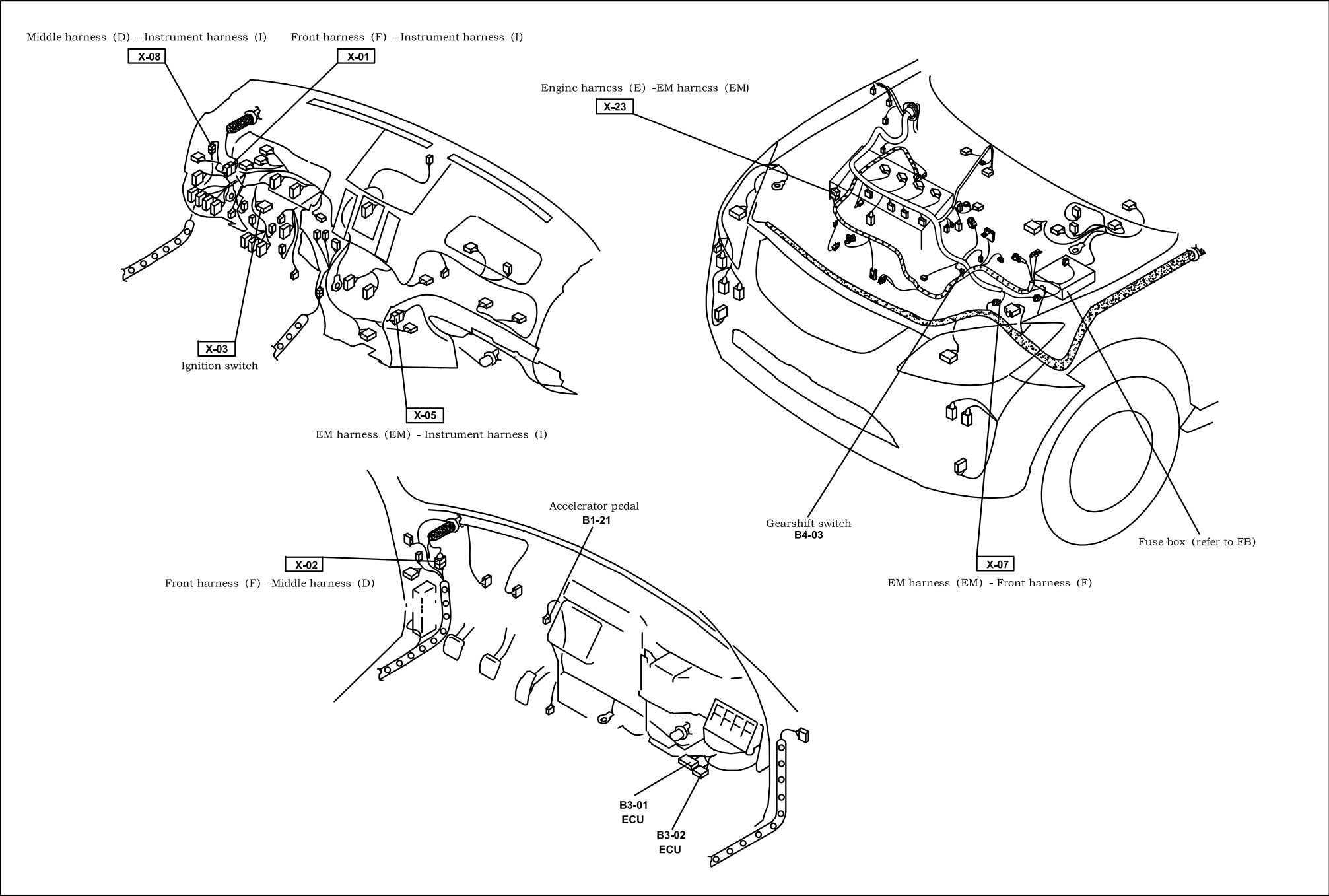
B4-01 TCU(EM)

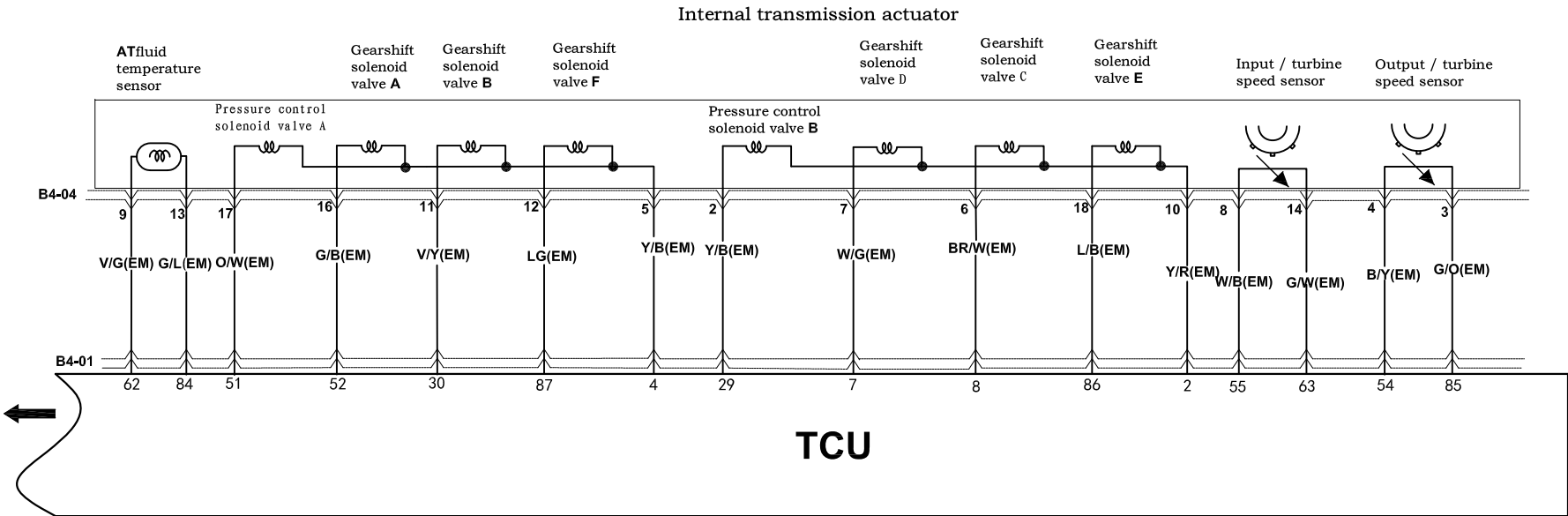


B4-03 Gearshift switch (EM)

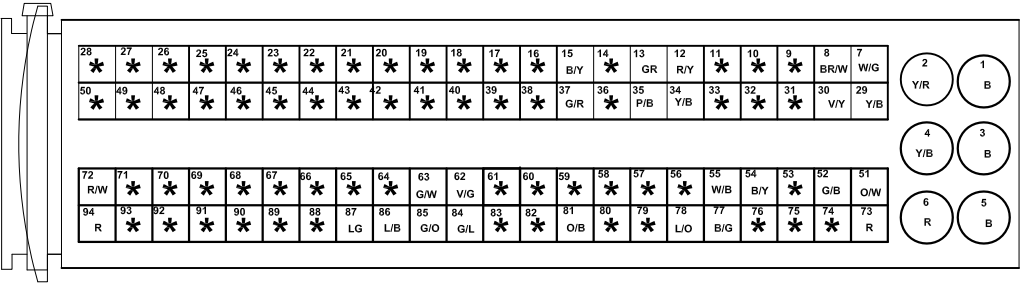


Harness mark:  (F)  (E)  (D)  (R)

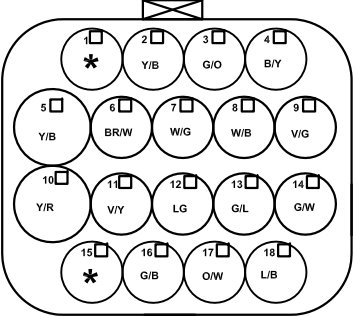




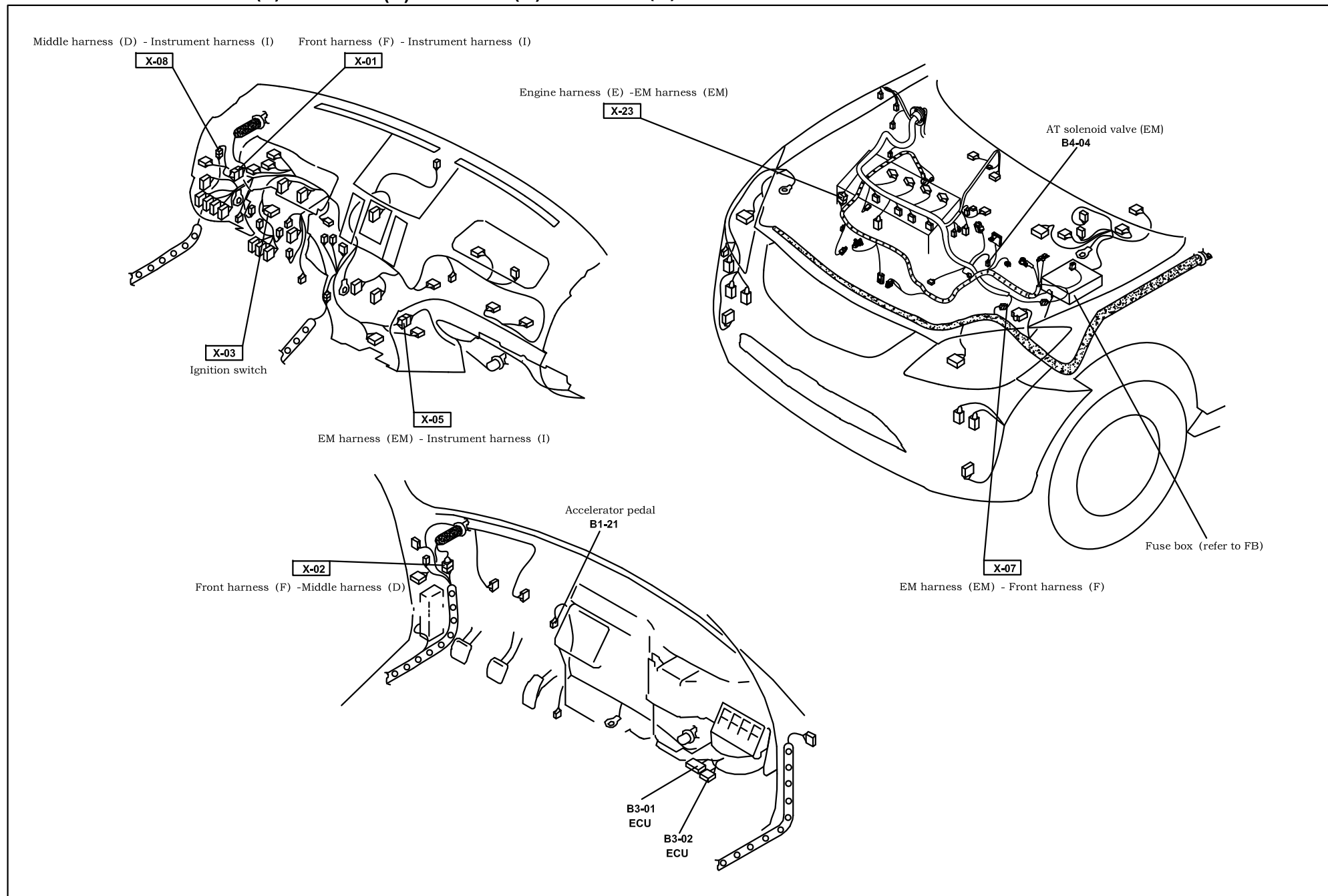
B4-01 TCU(EM)

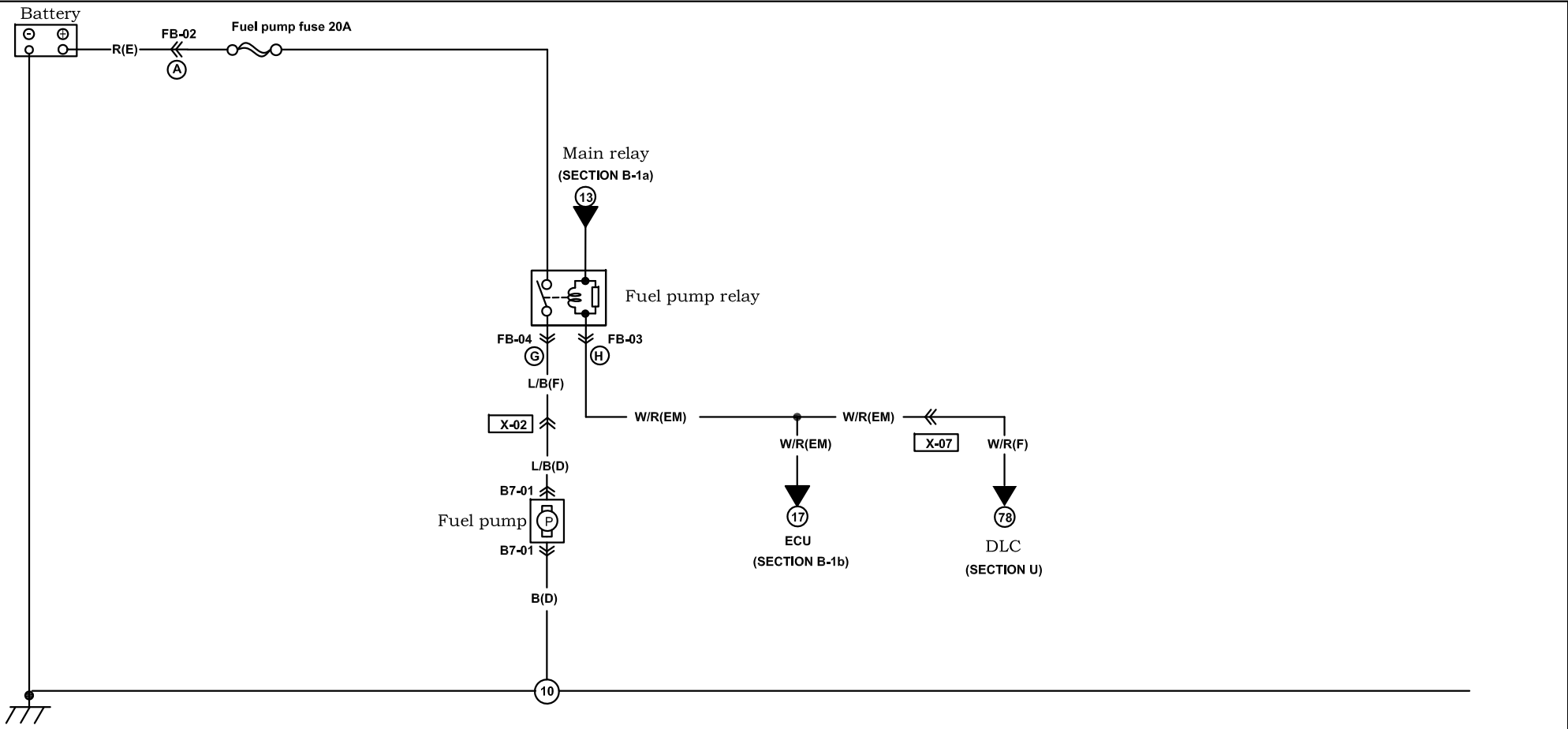


B4-04 AT solenoid valve (EM)

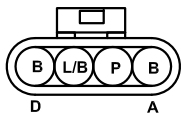


Harness mark:  (F)  (E)  (D)  (R)

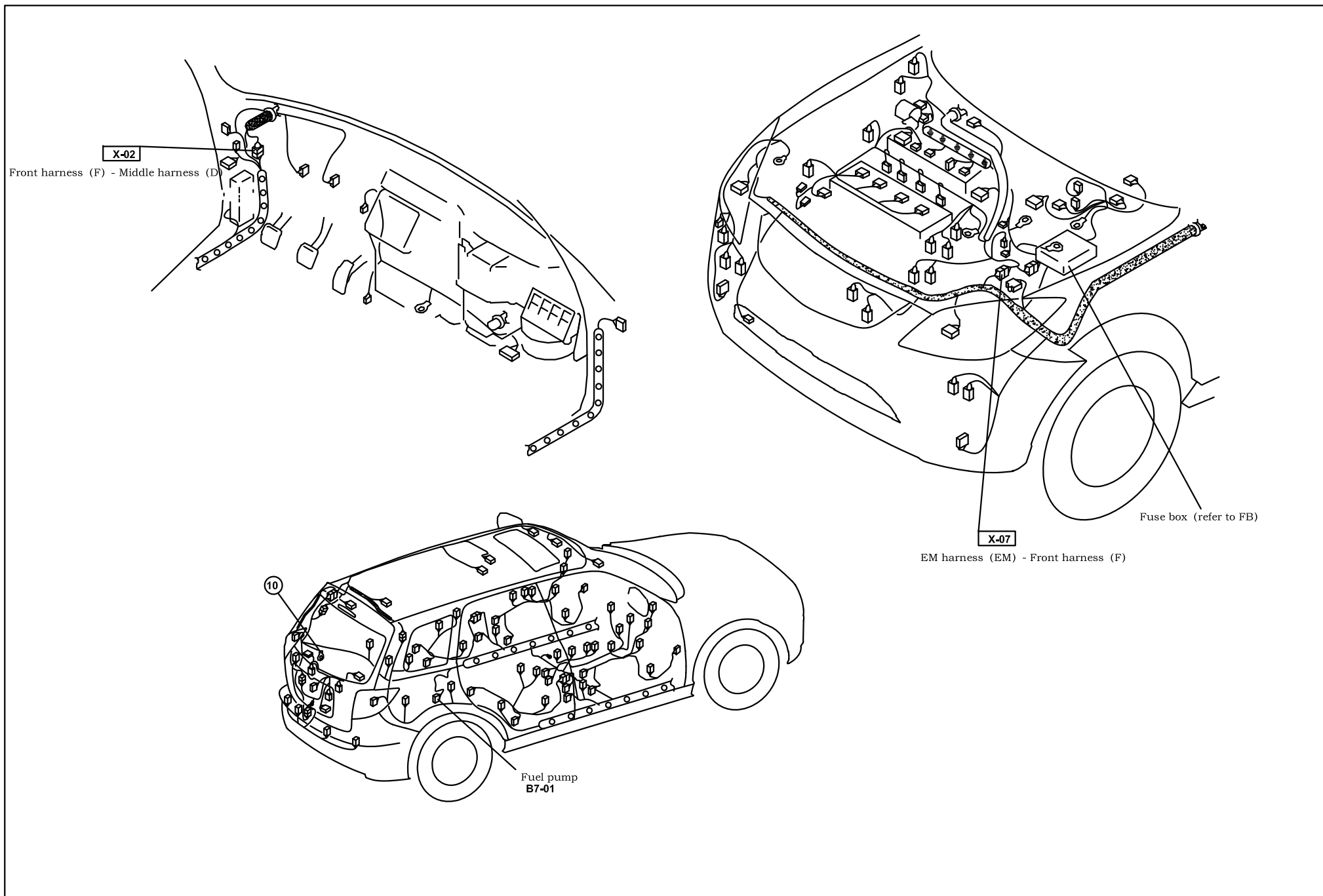


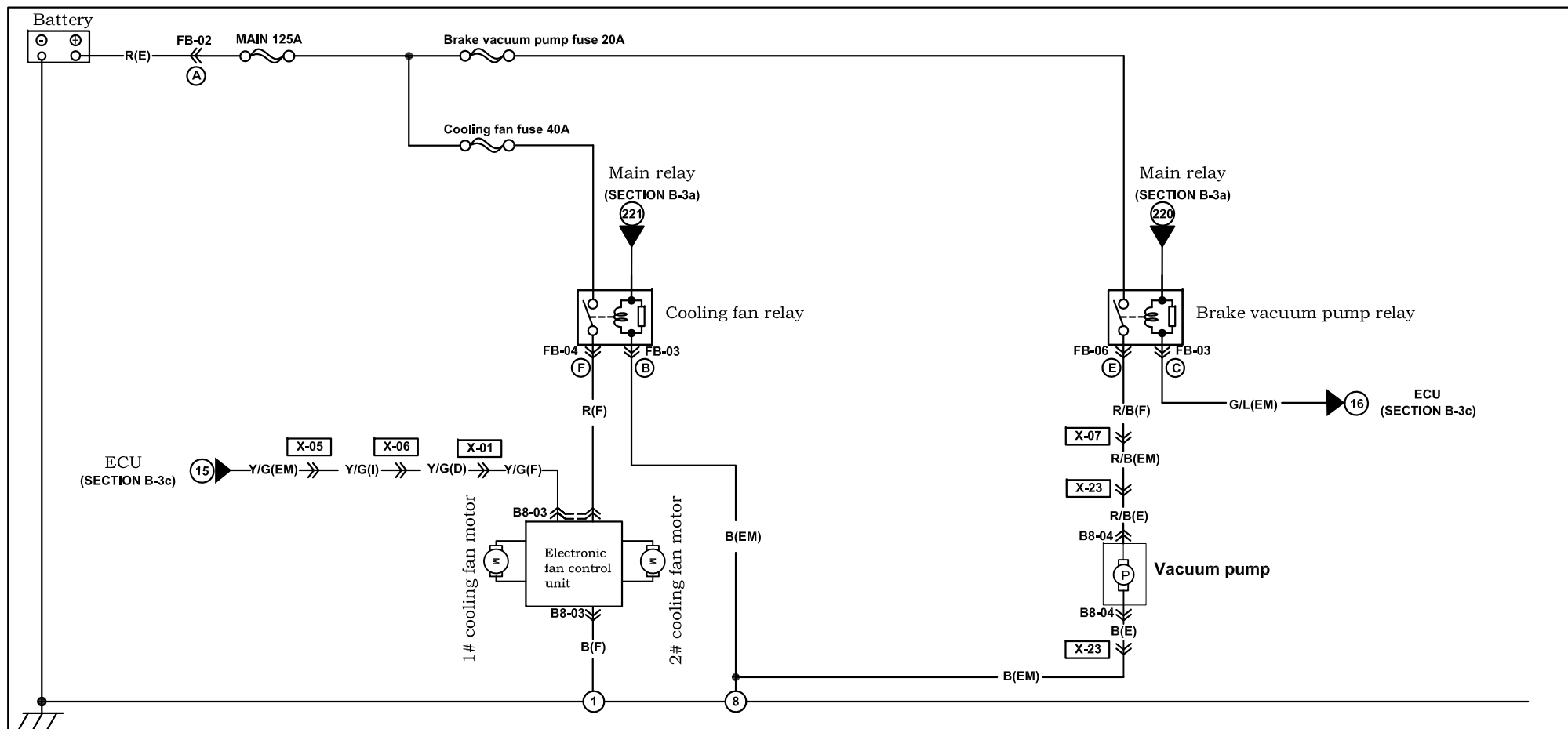


B7-01 Fuel pump (D)

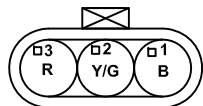


Harness mark:  (F)  (E)  (D)  (R)

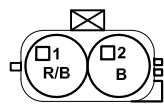


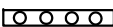


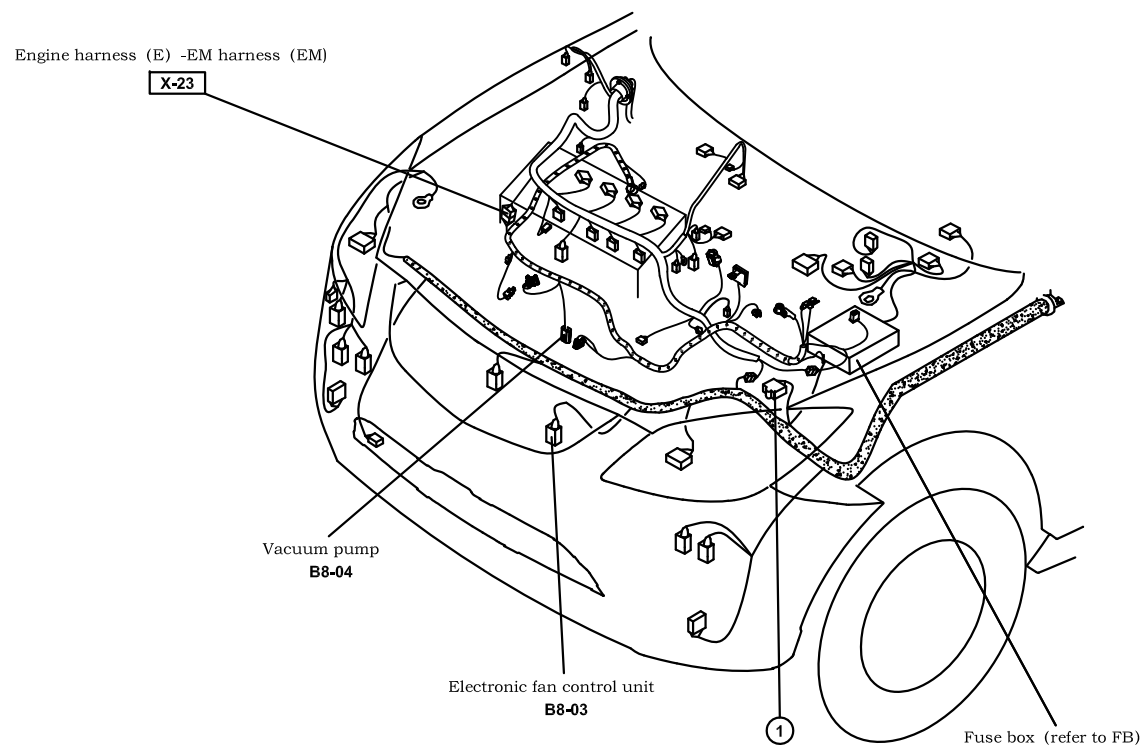
B8-03 Electronic fan control unit(F)



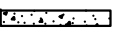
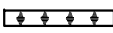
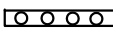
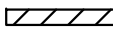
B8-04 Vacuum pump (E)



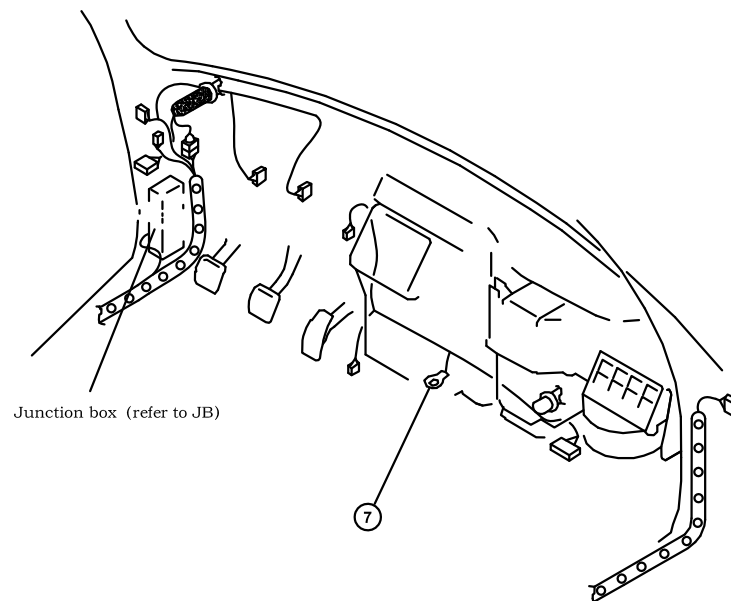
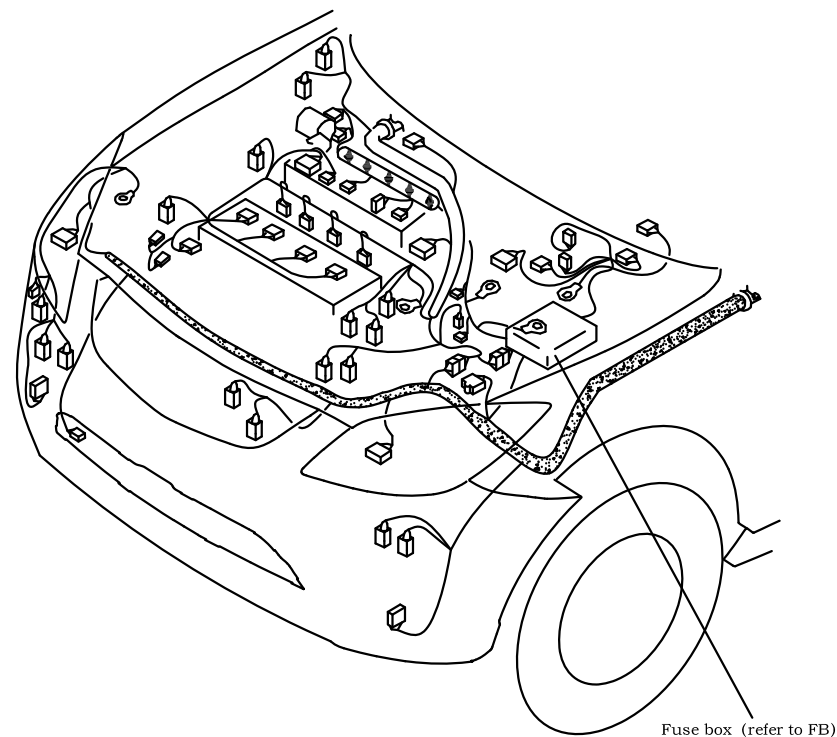
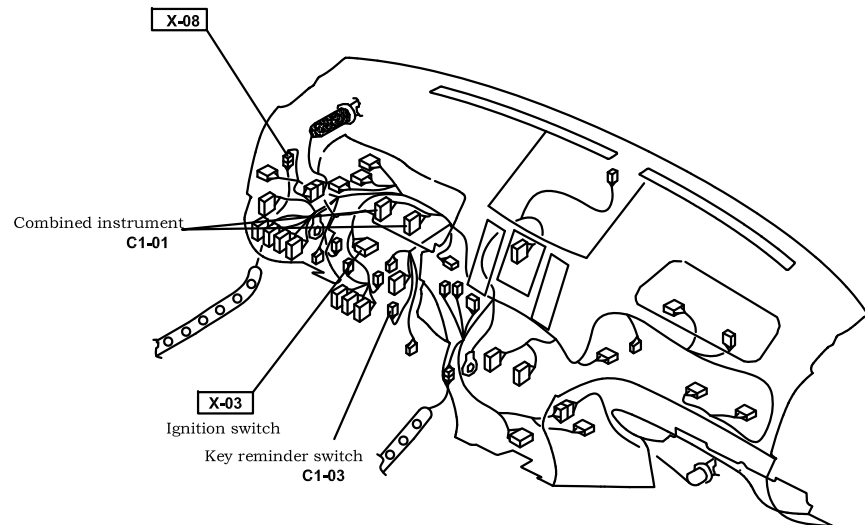
Harness mark:  (F)  (E)  (D)  (R)

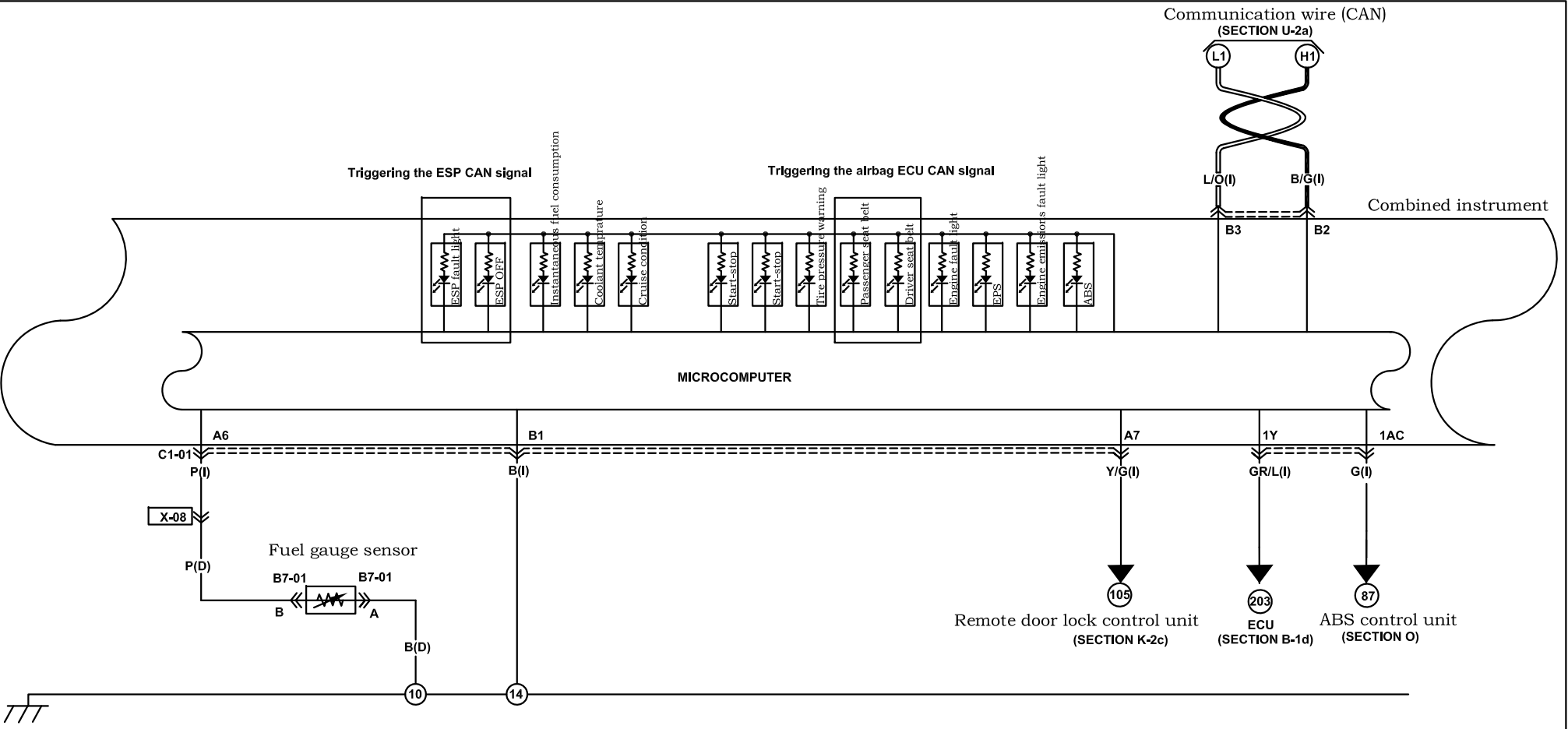


C-1a

Harness mark:  (F)  (E)  (D)  (R)

Middle harness (D) - Instrument harness (I)





C1-01 Combined instrument (I)

() with ESP

A1

B/Y	B/L	B/W	B/R	R/Y	P	Y/G	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*</
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Harness mark:  (F)  (E)  (D)  (R)

Middle harness (D) - Instrument harness (I)

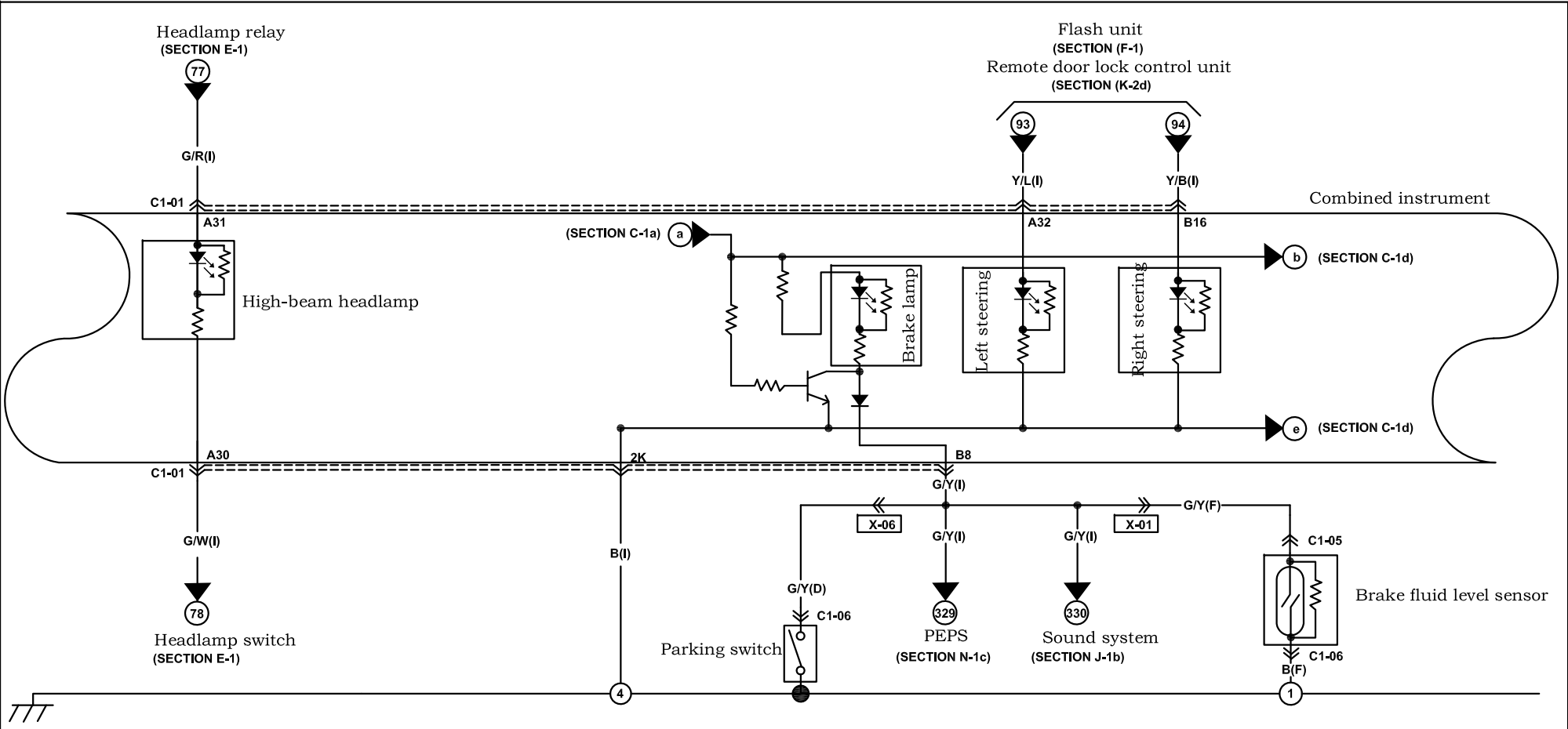
X-08

Combined instrument
C1-01

4

10

Fuel gauge sensor
B7-01



C1-01 Combined instrument (I)

() with ESP

A1

A16

B/Y	B/L	B/W	B/R	R/Y	P	Y/G	(G/O)	(V/W)	*	*	*	*	*	*	*	*
LG	LG/B	*	*	*	*	*	*	*	*	*	G/B	LG/R	G/W	G/R	Y/L	

A17

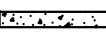
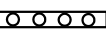
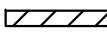
A32

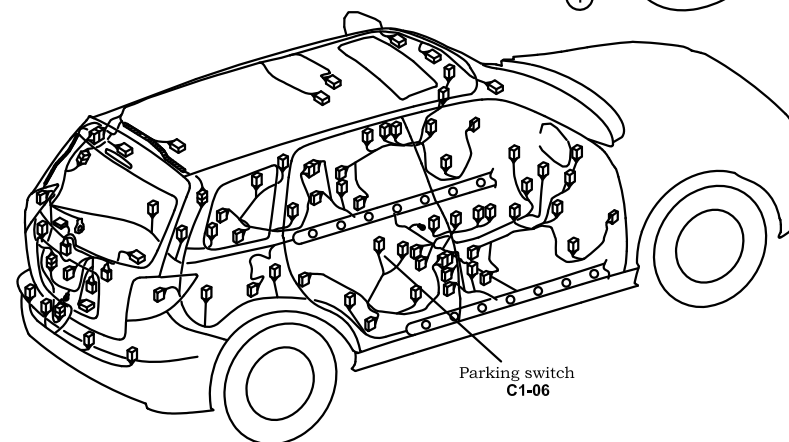
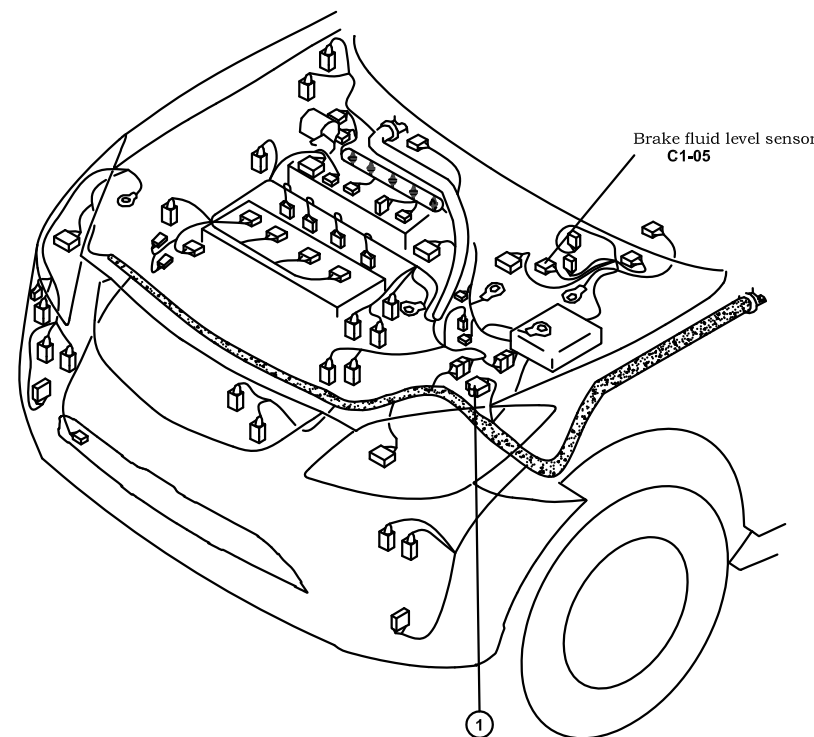
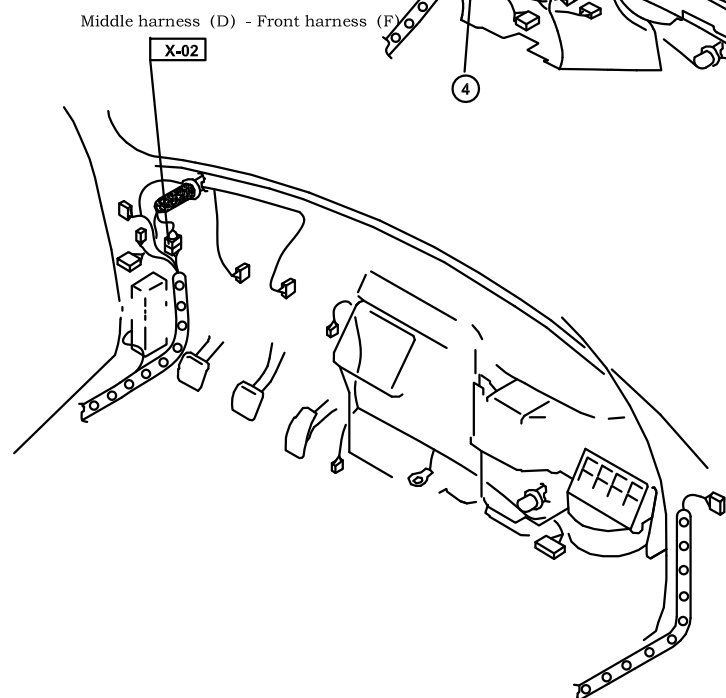
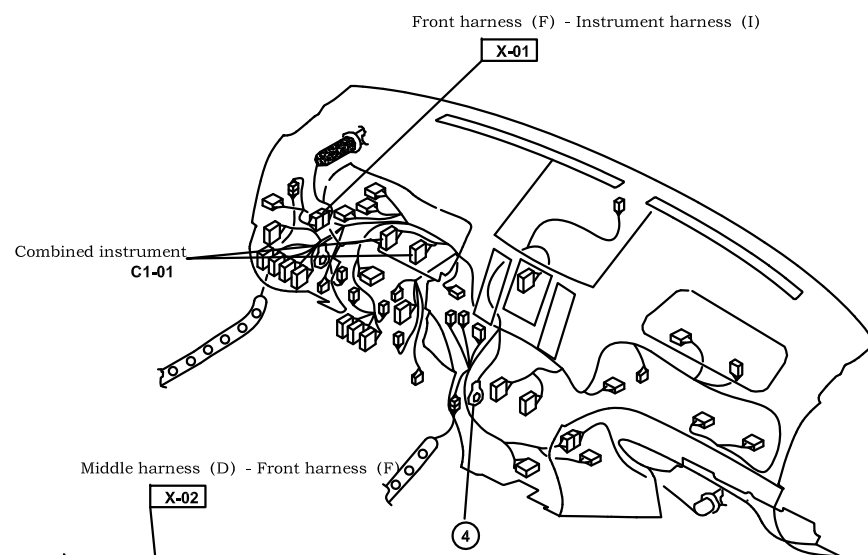
C1-01 Combined instrument (I) \$ with PEPS @ with ignition switch

B1	B	B/G	L/O	*	BR/G	\$L/B	\$L/W	G/Y	B/W	GR	GR/Y	Y/R	BR/W	L/R	V	Y/B	B16
B17	BR/Y	Y	@R	@V/W	BR/E	*	*	*	*	*	*	*	*	*	*	*	B32

C1-05 Brake fluid level sensor (F)

C1-06 Parking switch (D)

Harness mark:  (F)  (E)  (D)  (R)



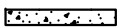


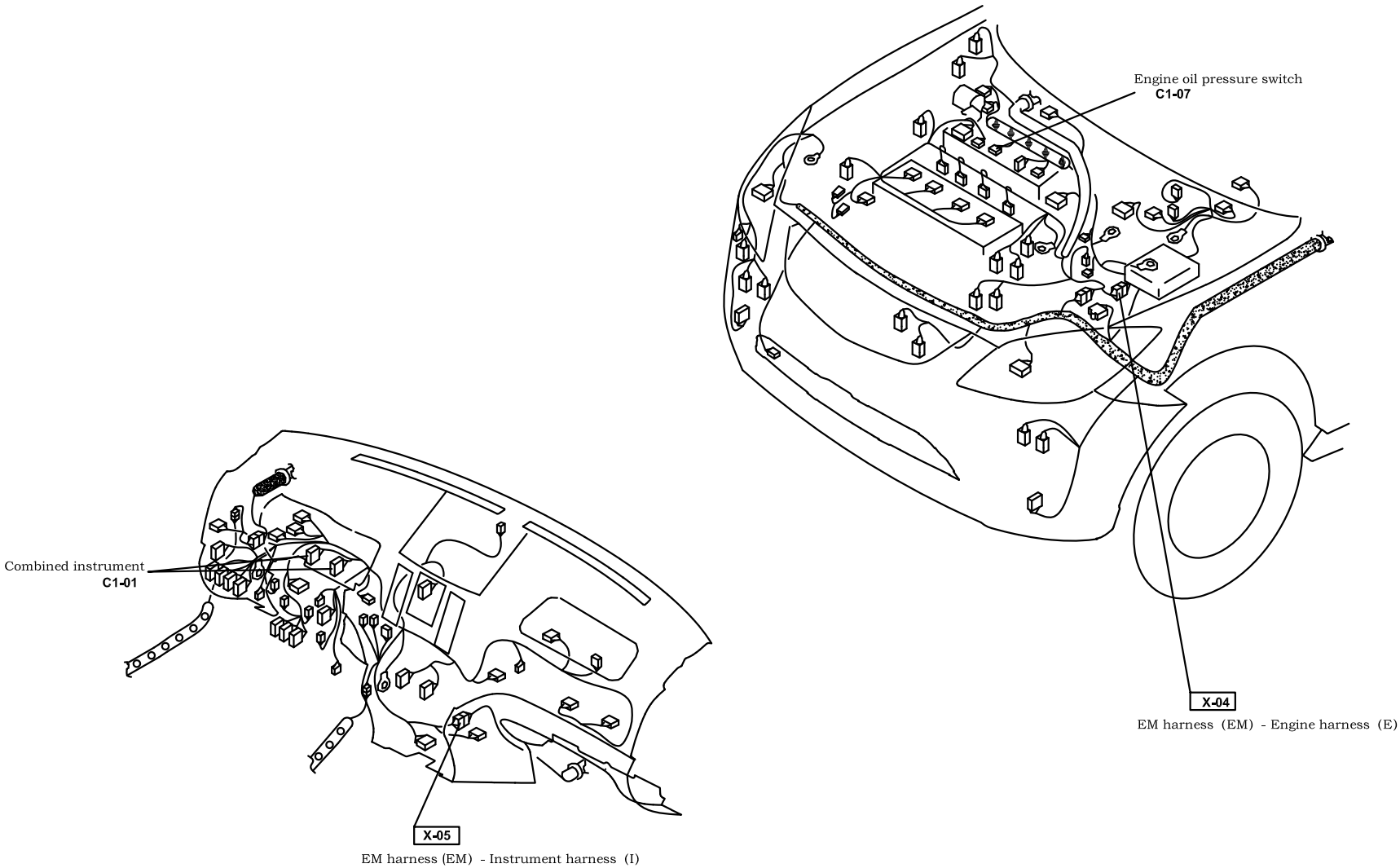
() with ESP

A17

\$ with PEPS
@ with ignition switch

B17

Harness mark:  (F)  (E)  (D)  (R)





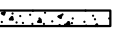
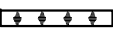
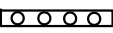
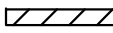
() with **ESP**

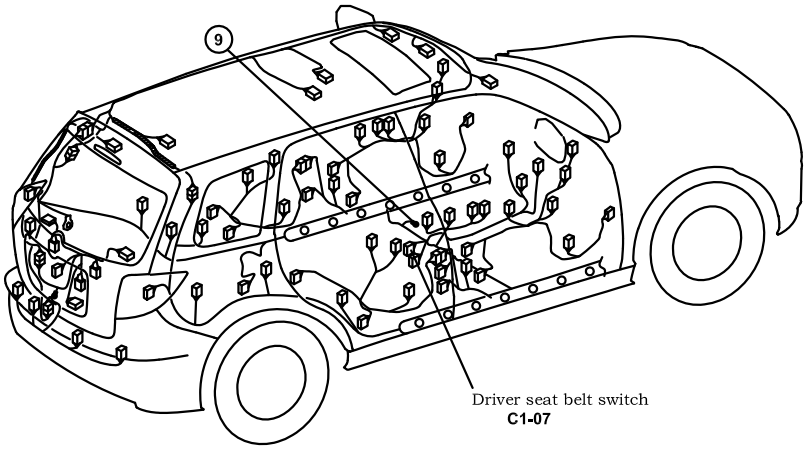
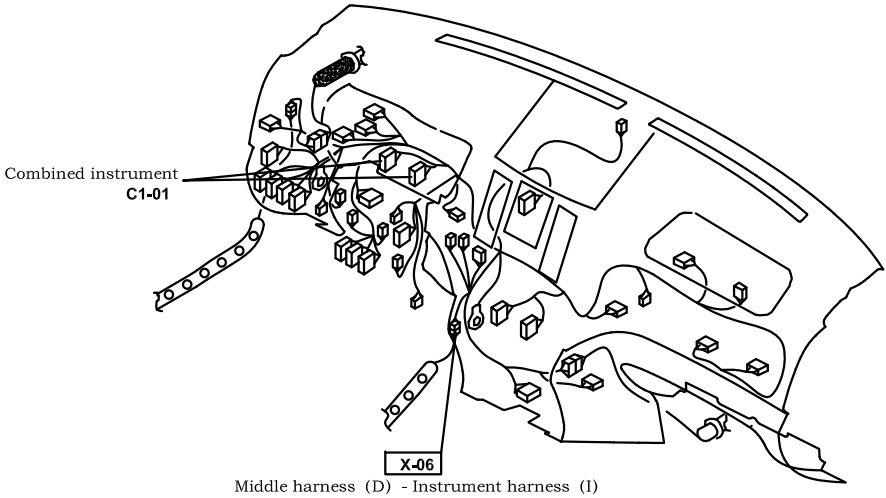
A17

\$ with PEPS
@ with ignition switch

B17

A diagram of a battery consisting of two cells. The left cell is labeled 'GR' and the right cell is labeled 'B'. The cells are connected in series, with the positive terminal of the left cell connected to the negative terminal of the right cell. The negative terminal of the left cell is on the left, and the positive terminal of the right cell is on the right.

Harness mark:  (F)  (E)  (D)  (R)



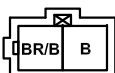


() with ESP

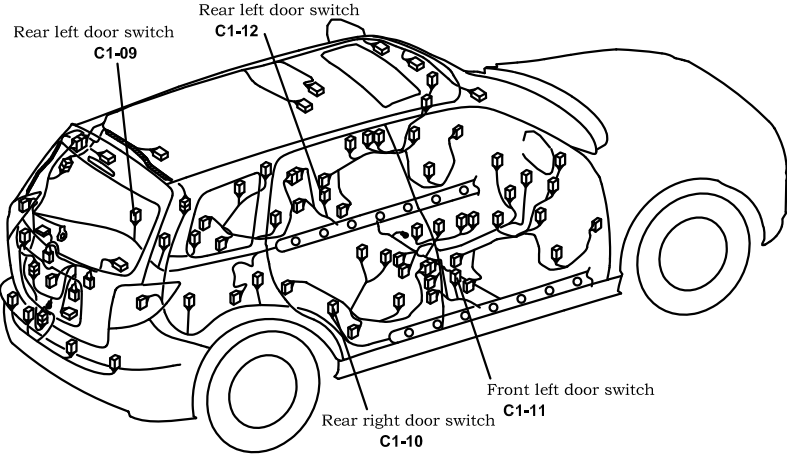
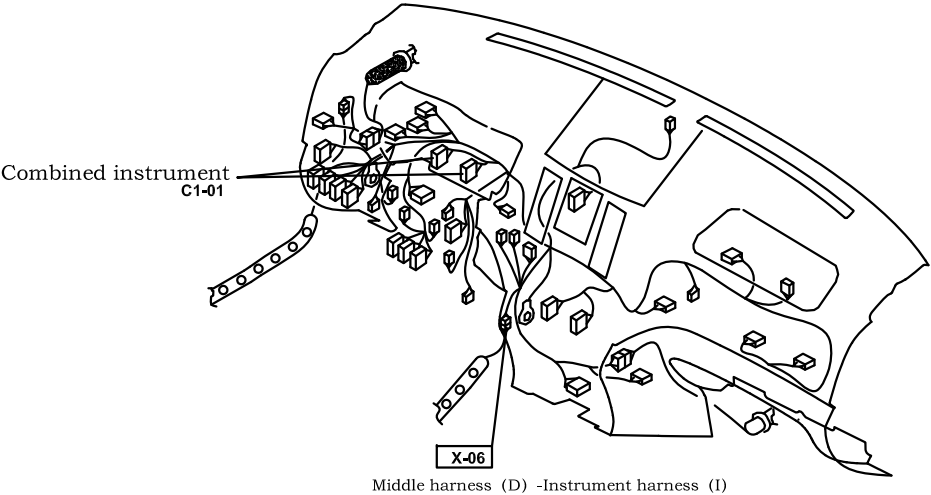
A17

\$ with PEPS
@ with ignition switch

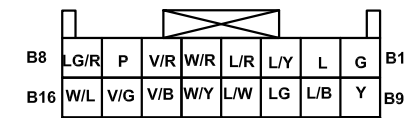
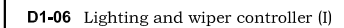
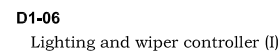
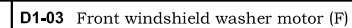
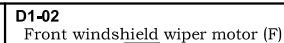
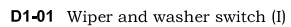
B17

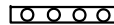
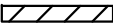
C1-10 RR door switch(D) 	C1-11 FR door switch(D) 
C1-12 FL door switch(D) 	C1-09 RL door switch(D) 
I3-06 Back door switch (R1#) 	

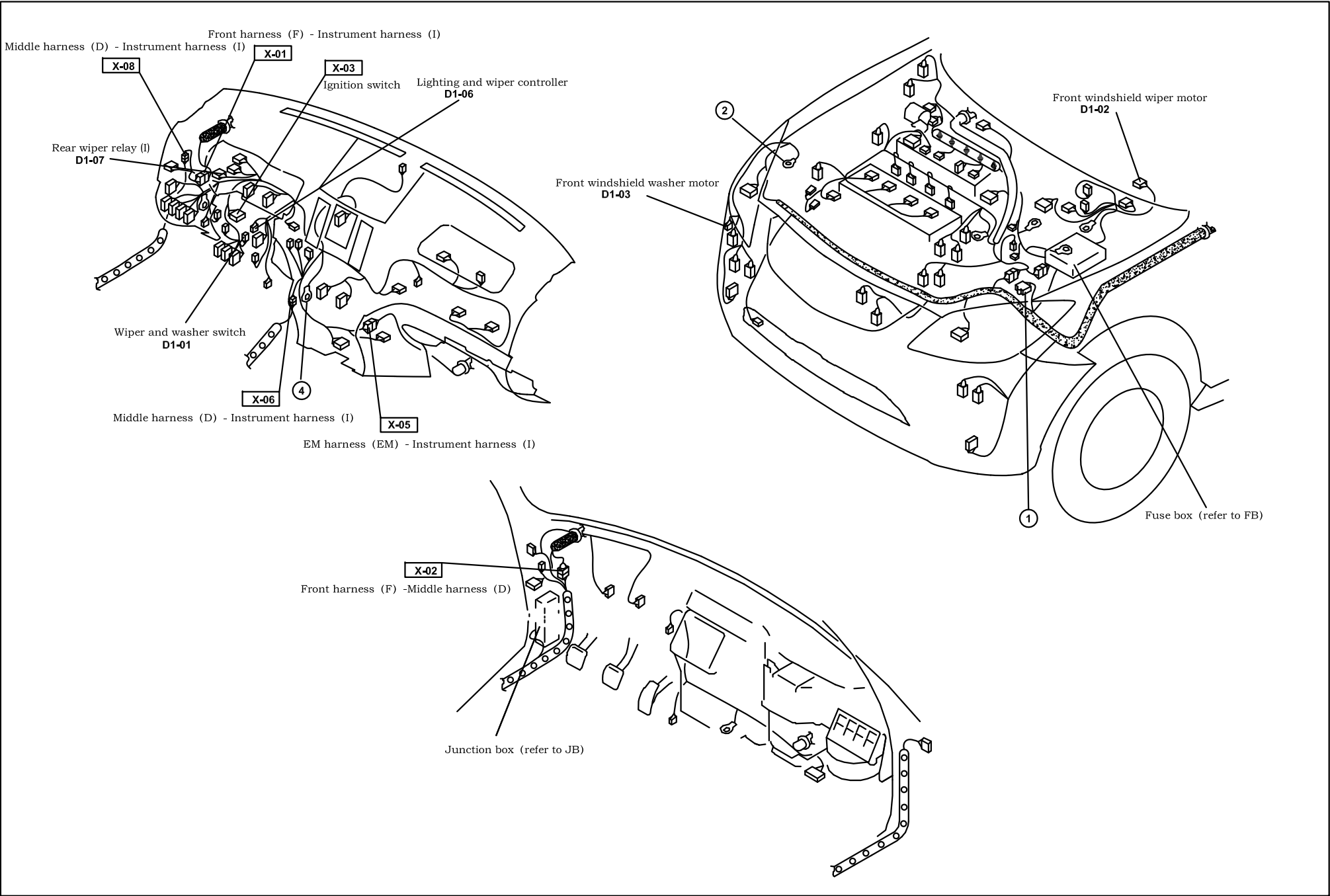
Harness mark:  (F)  (E)  (D)  (R)

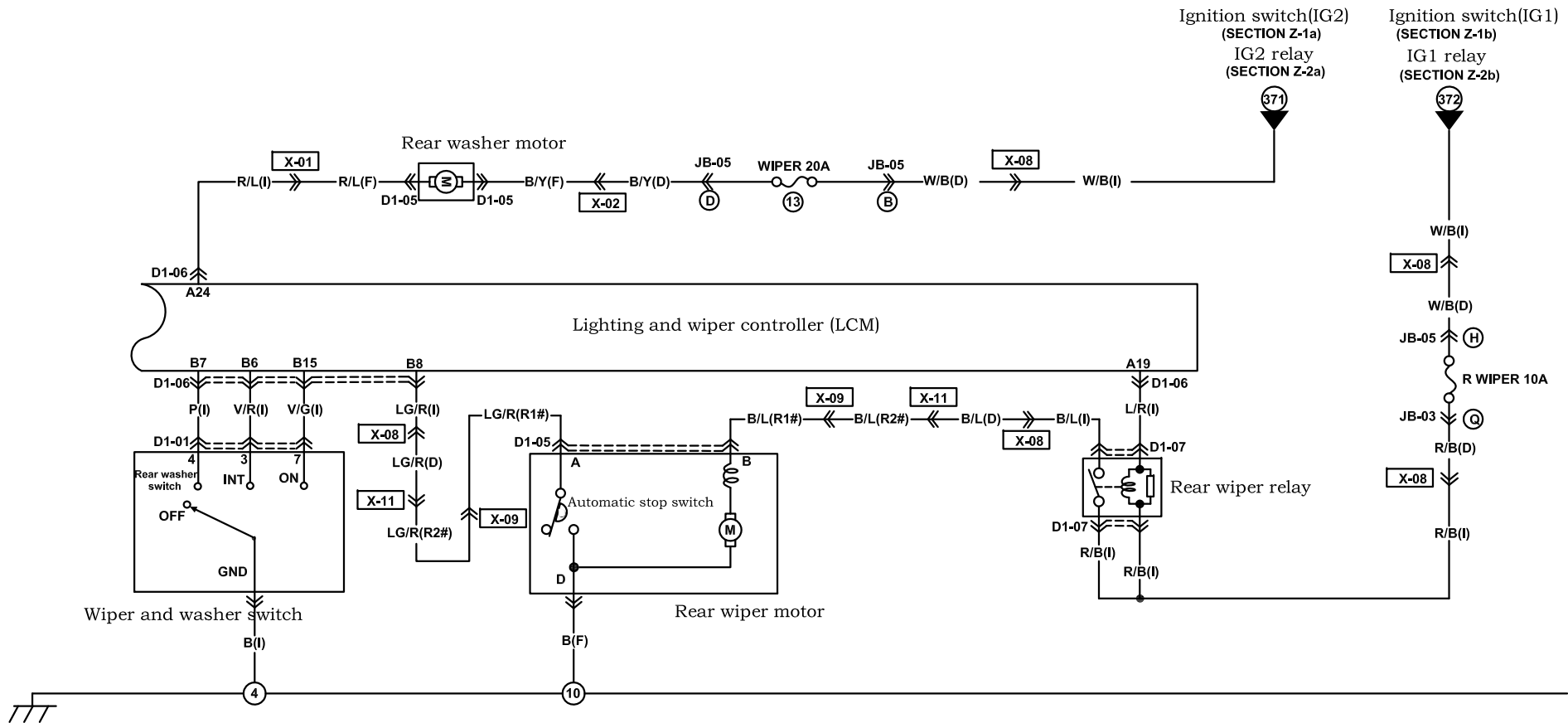


D-1a

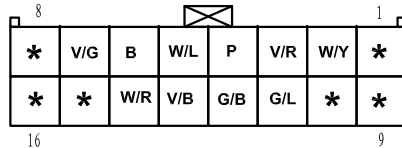


Harness mark:  (F)  (E)  (D)  (R)





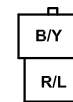
D1-01 Wiper and washer switch (I)



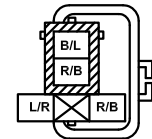
D1-04 Rear-window wiper motor



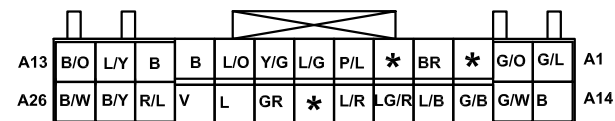
D1-05 Rear-window washer motor (F)



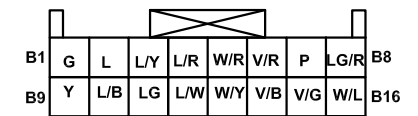
D1-07 Rear wiper relay (I)



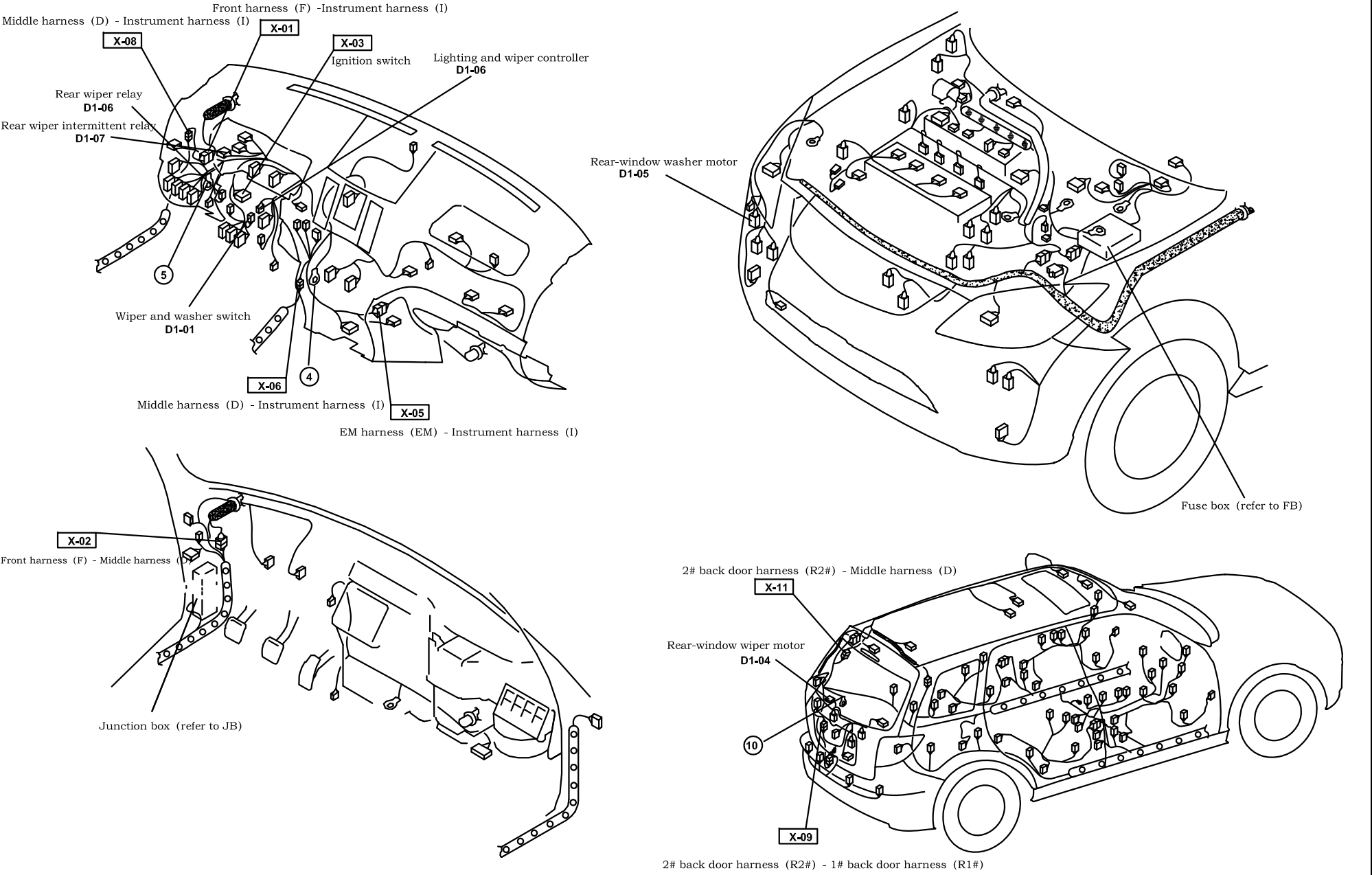
D1-06 Lighting and wiper controller (I)



D1-06 Lighting and wiper controller (I)

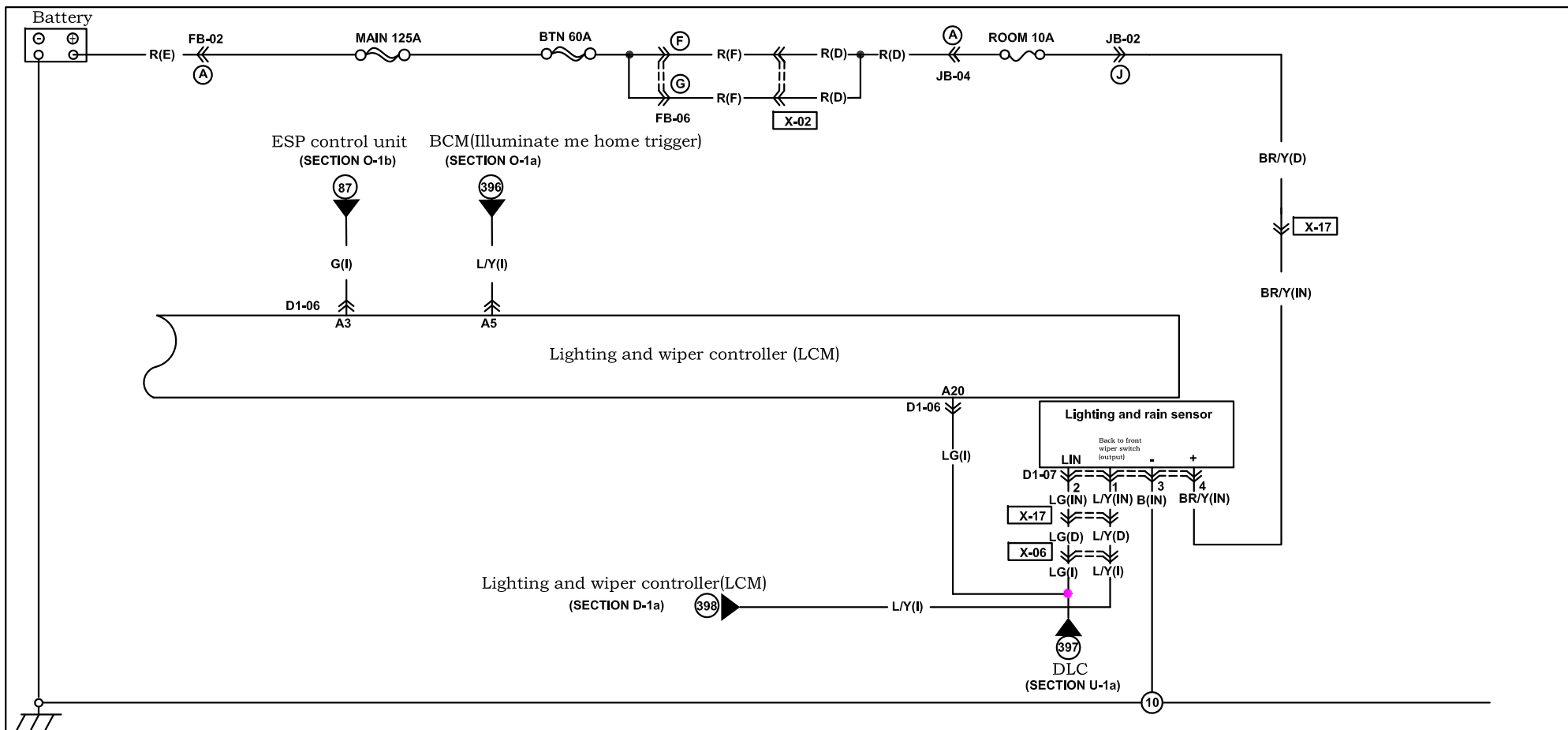


Harness mark:  (F)  (E)  (D)  (R)

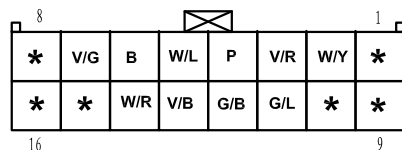


Windshield wiper and washer (automatic)

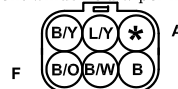
D-1c



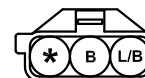
D1-01 Wiper and washer switch (I)



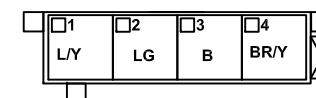
D1-02 Front windshield wiper motor (F)



D1-03 Front windshield washer motor (F)

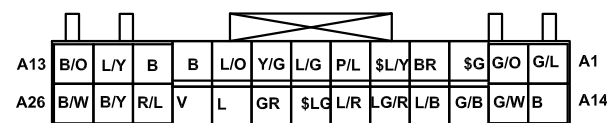


D1-07 Lighting and rain sensor (IN)

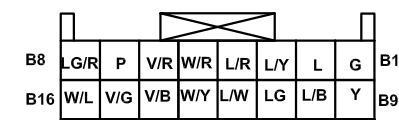


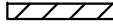
D1-06 Lighting and wiper controller (I)

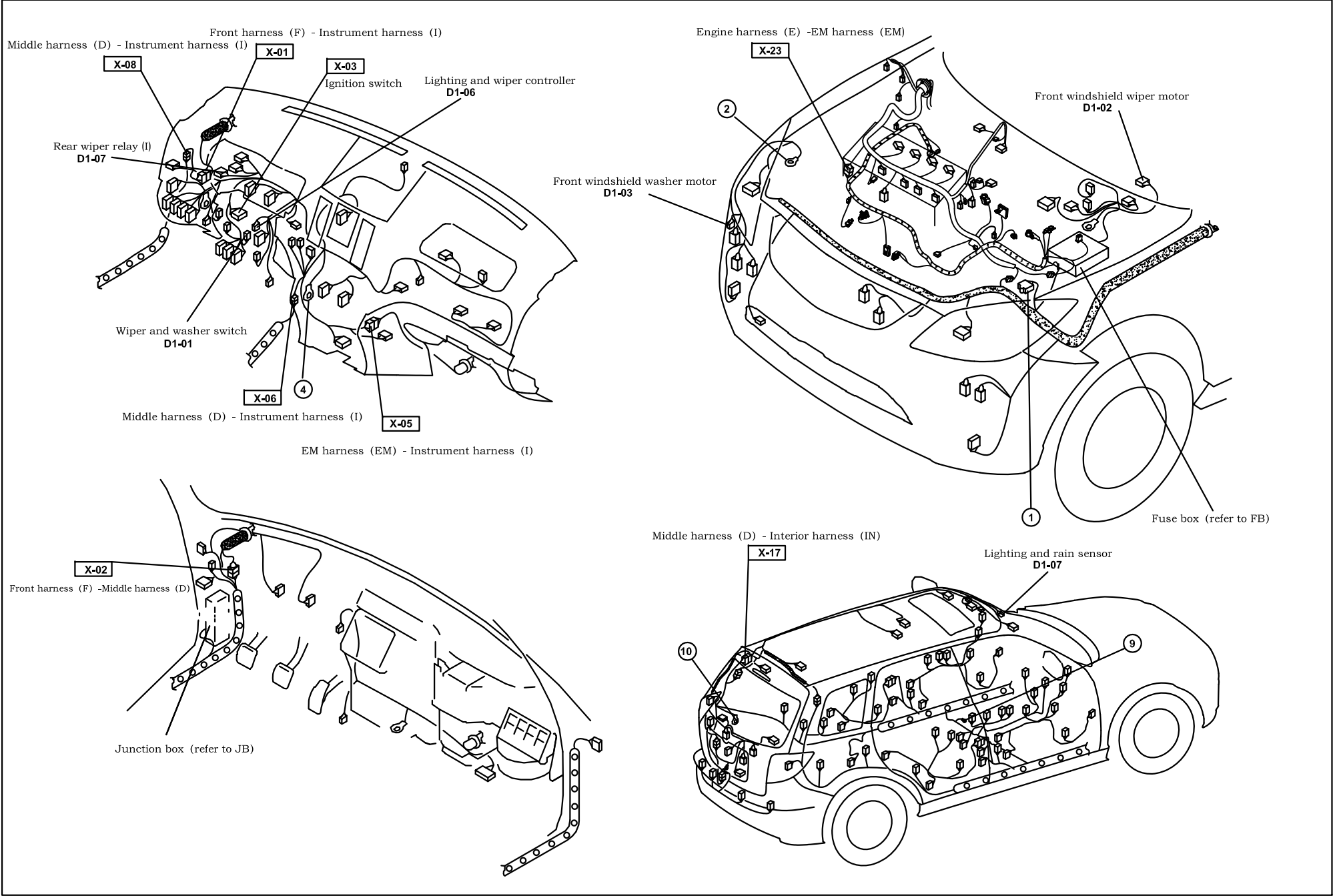
\$Automatic headlamp wiper models

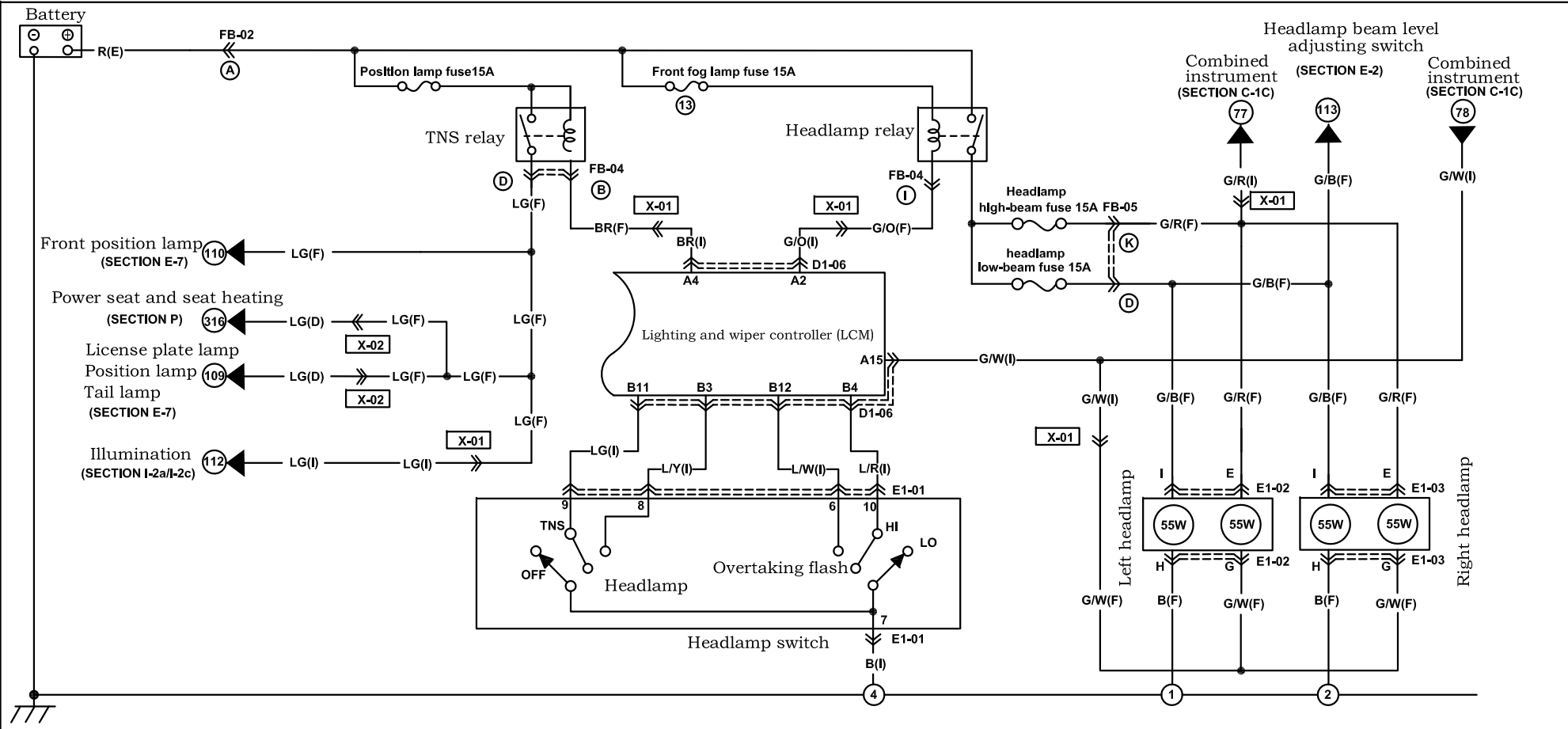


D1-06 Lighting and wiper controller (I)

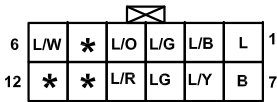


Harness mark:  (F)  (E)  (D)  (R)

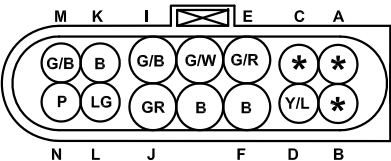




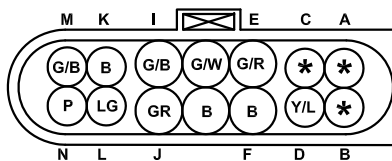
E1-01 Headlamp switch (I)

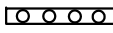


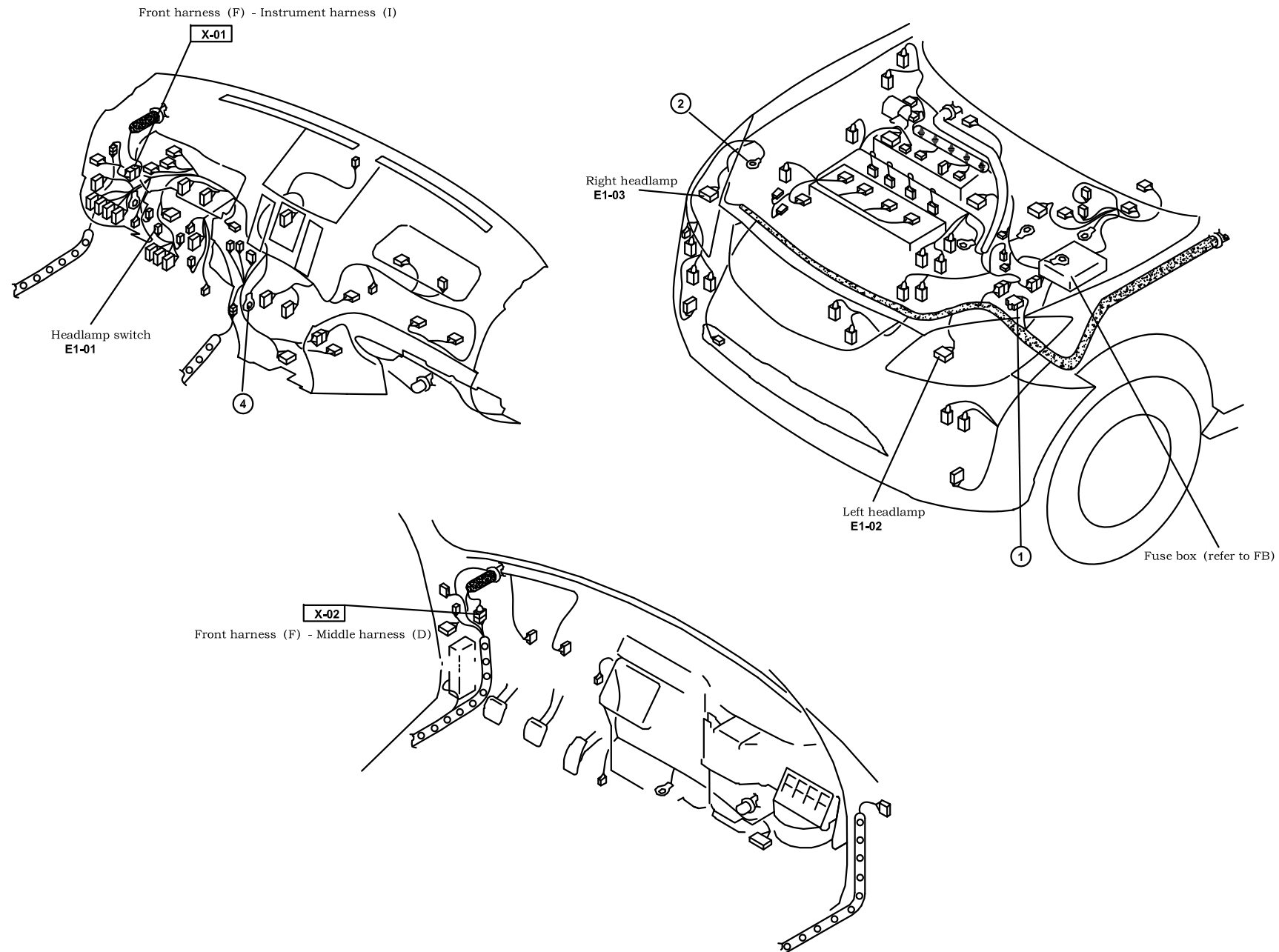
E1-02 Left headlamp (F)



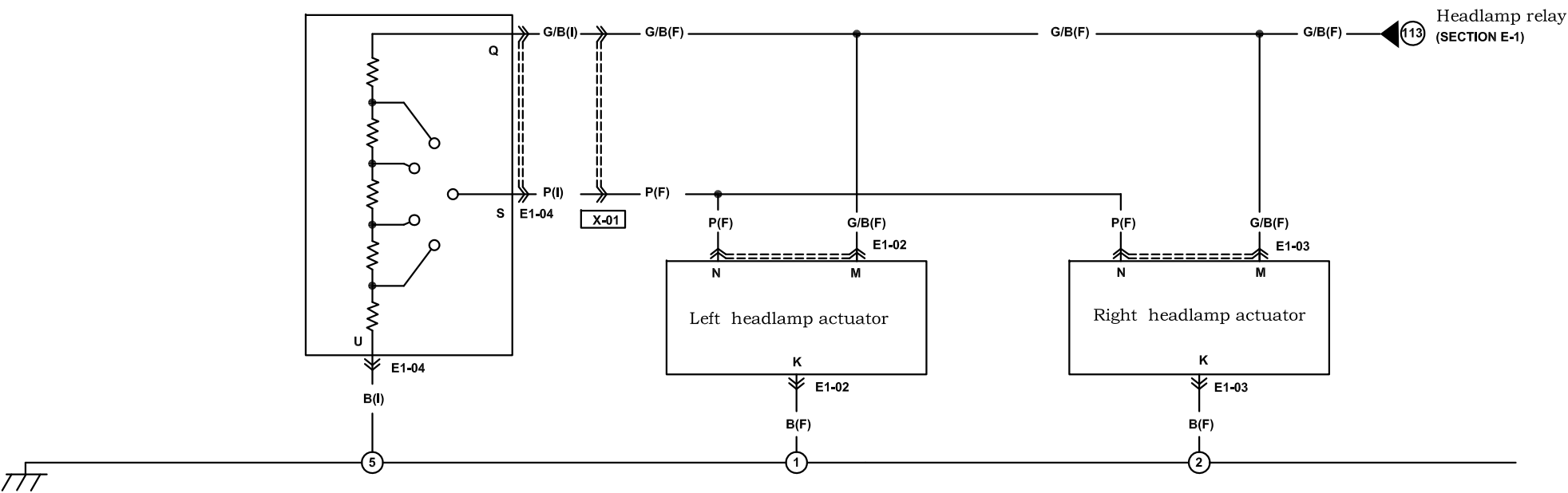
E1-03 Right headlamp (F)



Harness mark:  (F)  (E)  (D)  (R)



Headlamp beam level adjusting switch



E1-01 Headlamp switch (D)

6	L/W	*	L/O	L/G	L/B	L	1
12	*	*	L/R	LG	L/Y	B	7

E1-02 Left headlamp (F)

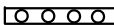
M	K	I		E	C	A
G/B	B	G/B	G/W	G/R	*	*
P	LG	GR	B	B	Y/L	*
N	L	J		F	D	B

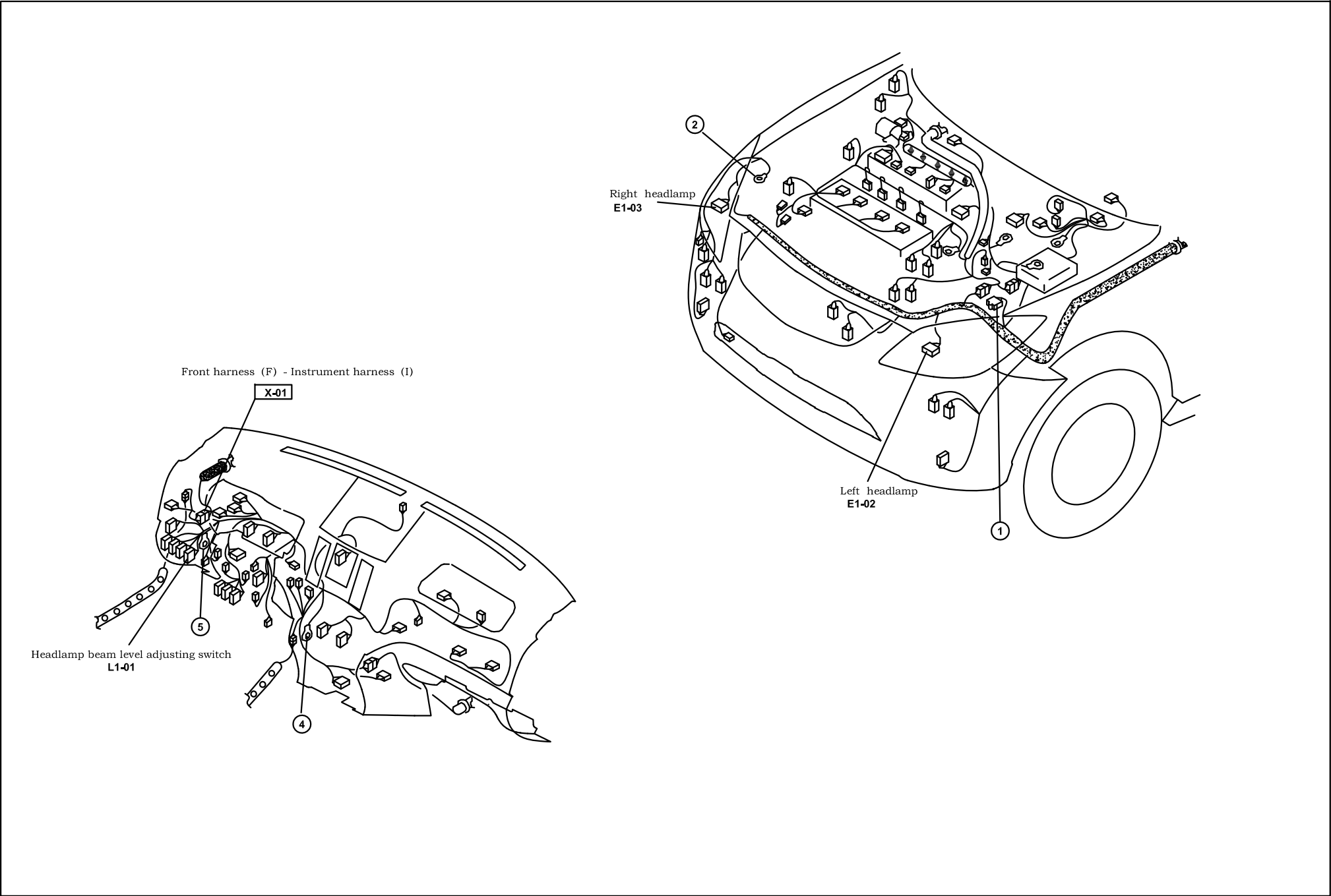
E1-03 Right headlamp (F)

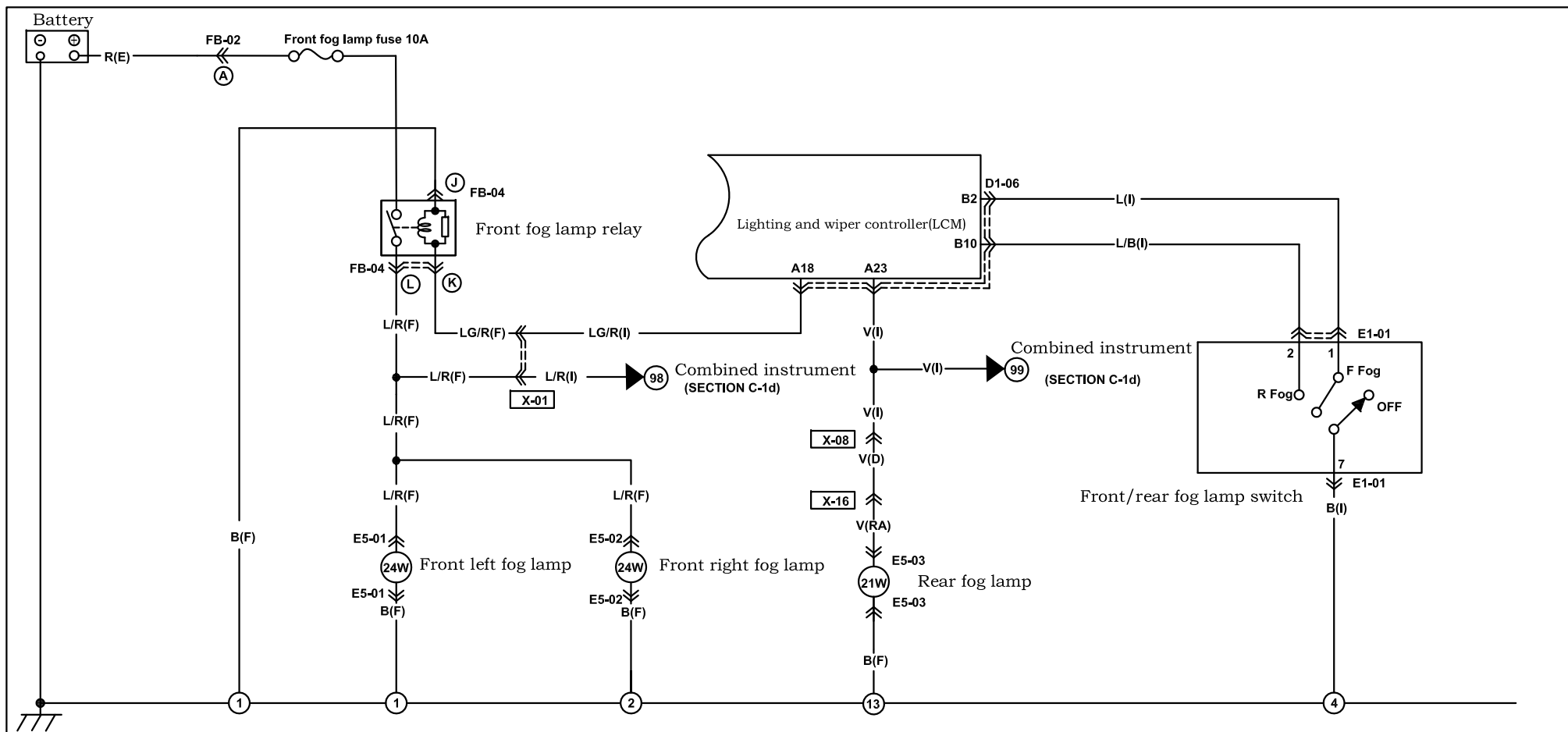
M	K	I		E	C	A
G/B	B	G/B	G/W	G/R	*	*
P	LG	GR	B	B	Y/L	*
N	L	J		F	D	B

L1-01 Headlamp beam level adjusting switch (I)

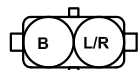
S	Q	O	M	K	I	G	E	C	A
R/B	LG	LG/B	L/W	L	L/O	L/B	V	R/G	R/Y
B	P	G/B	*	W	*	*	*	*	B
T	R	P	N	L	J	H	F	D	B

Harness mark:  (F)  (E)  (D)  (R)

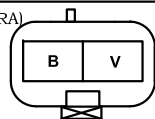




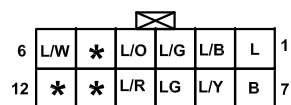
E5-01 Front left fog lamp (F)



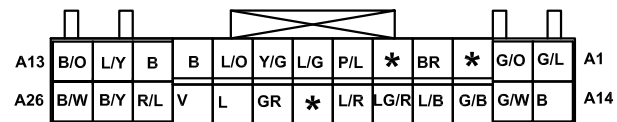
E5-03 Rear left fog lamp (RA)



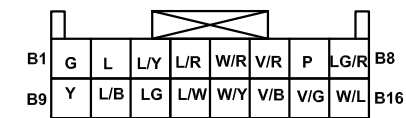
E1-01 Headlamp switch (I)



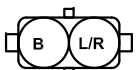
D1-06 Lighting and wiper controller (I)



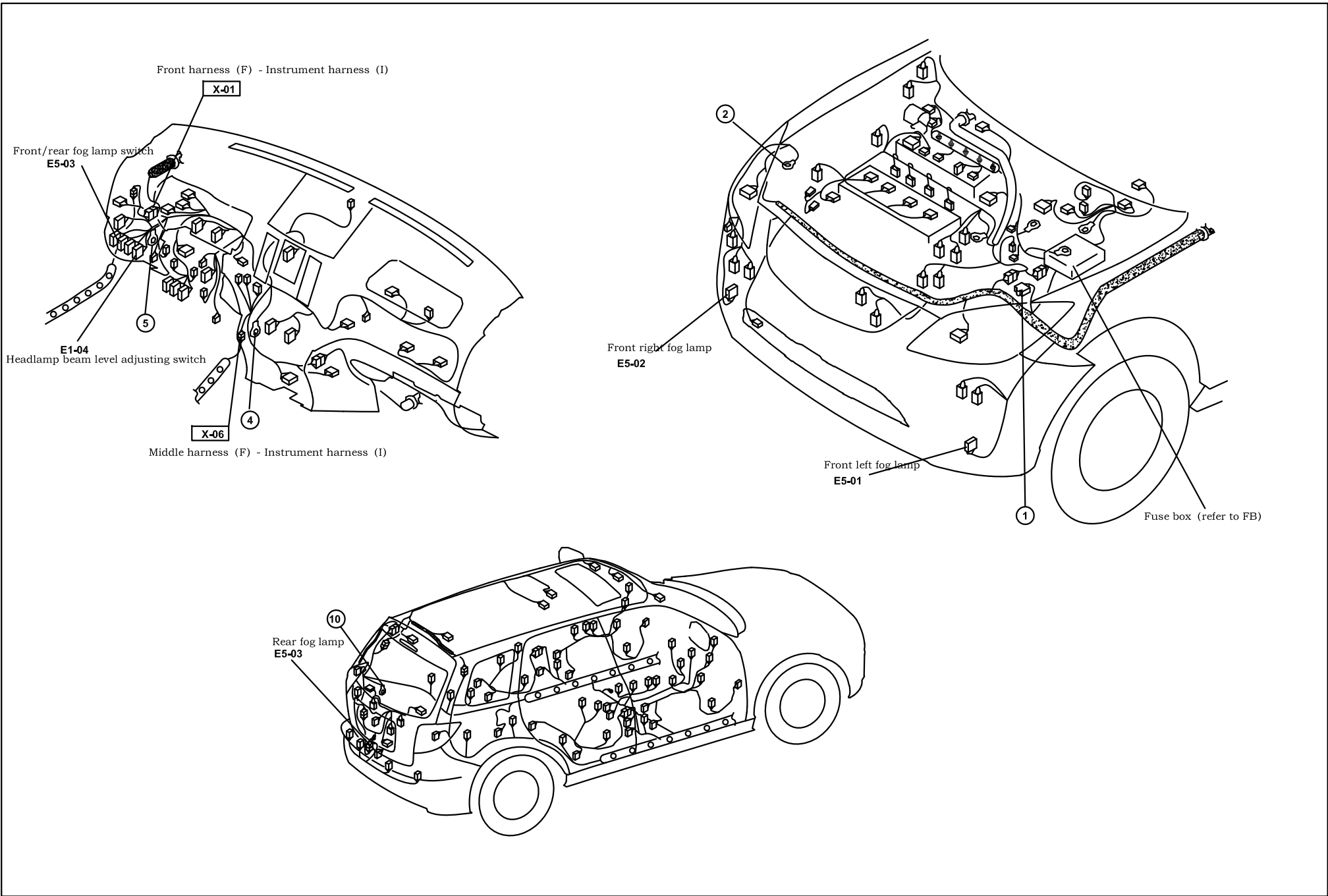
D1-06 Lighting and wiper controller (I)

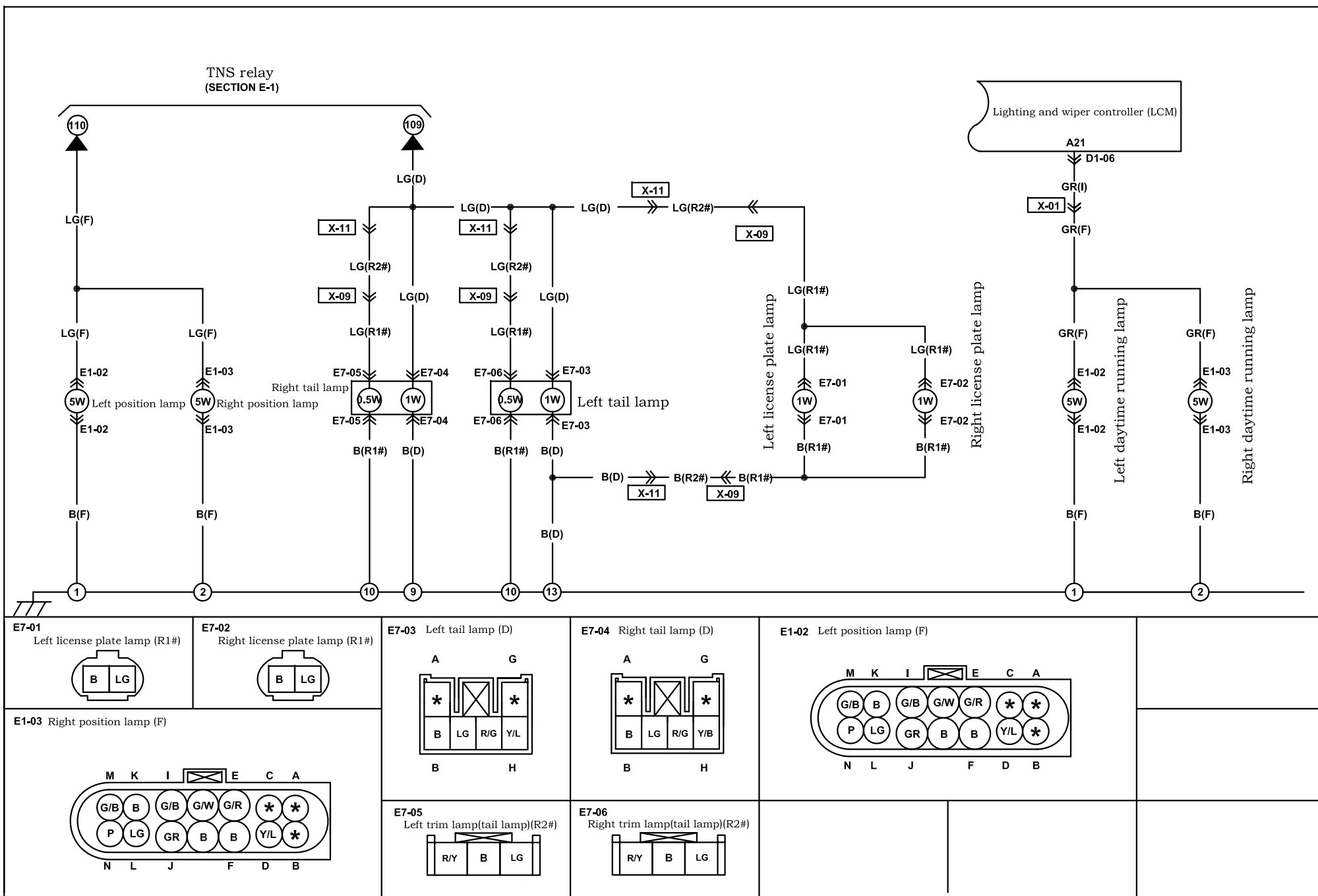


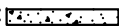
E5-02 Front right fog lamp (F)

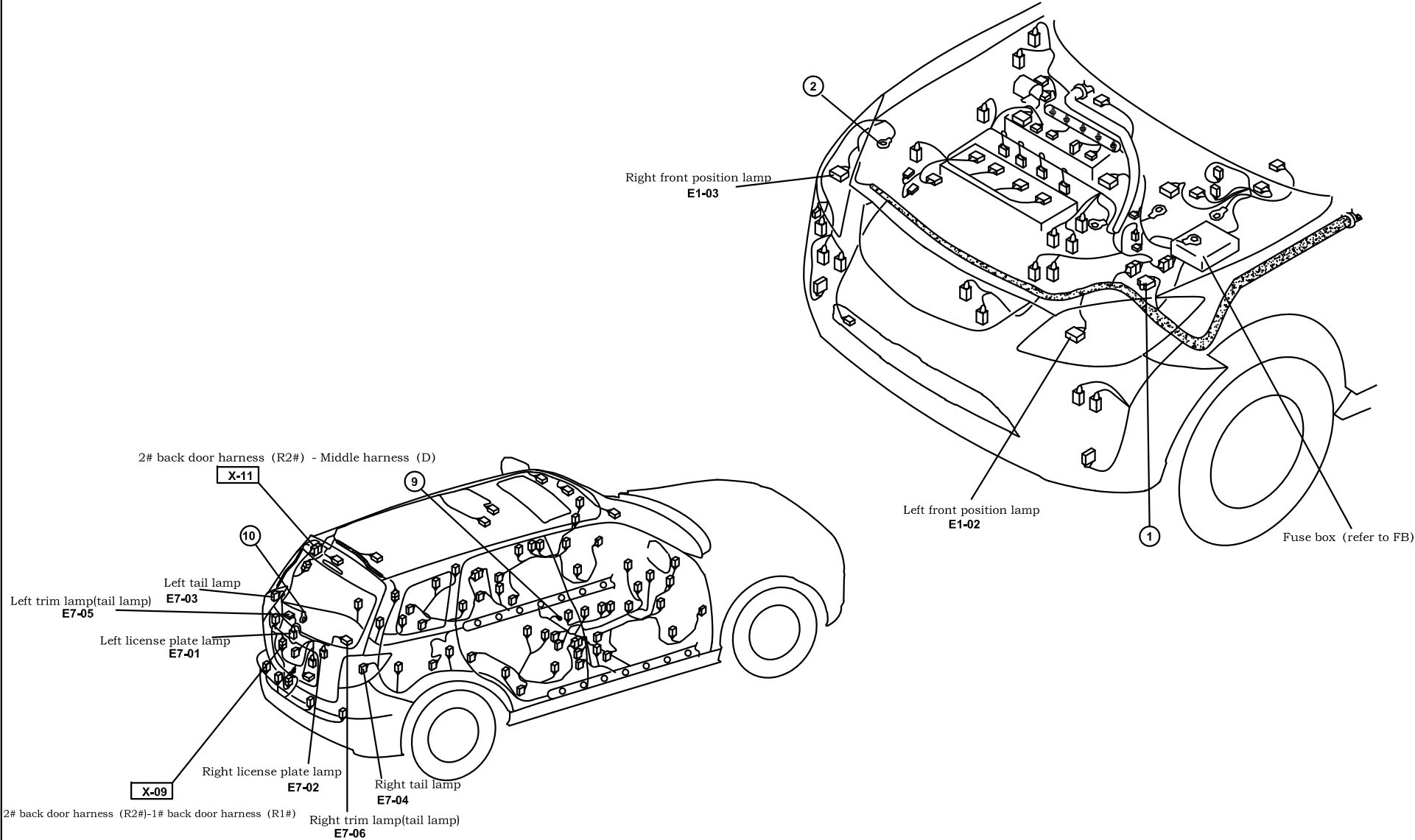


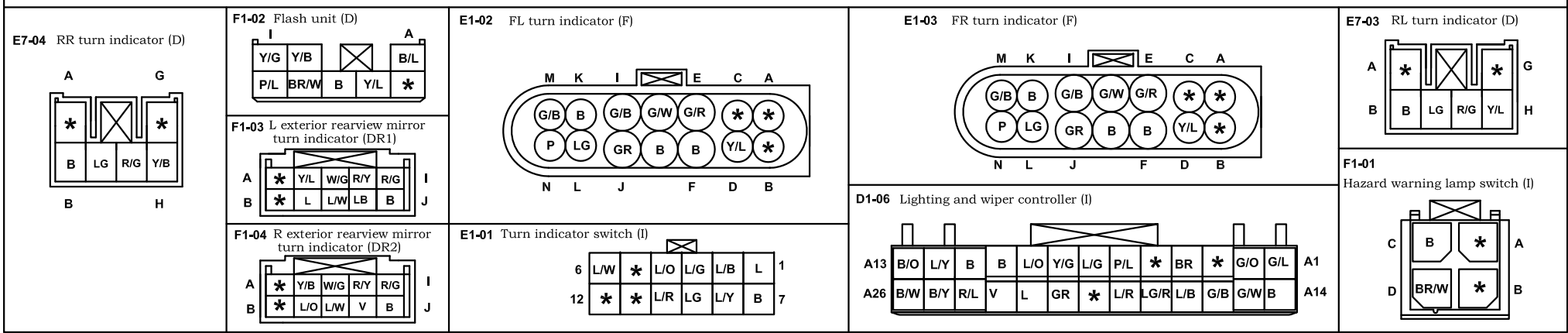
Harness mark:  (F)  (E)  (D)  (R)



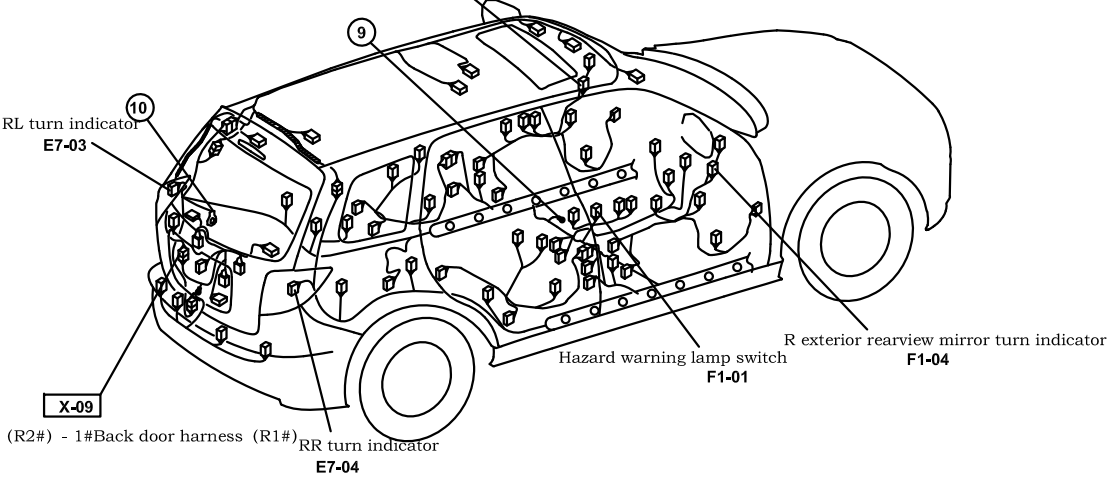
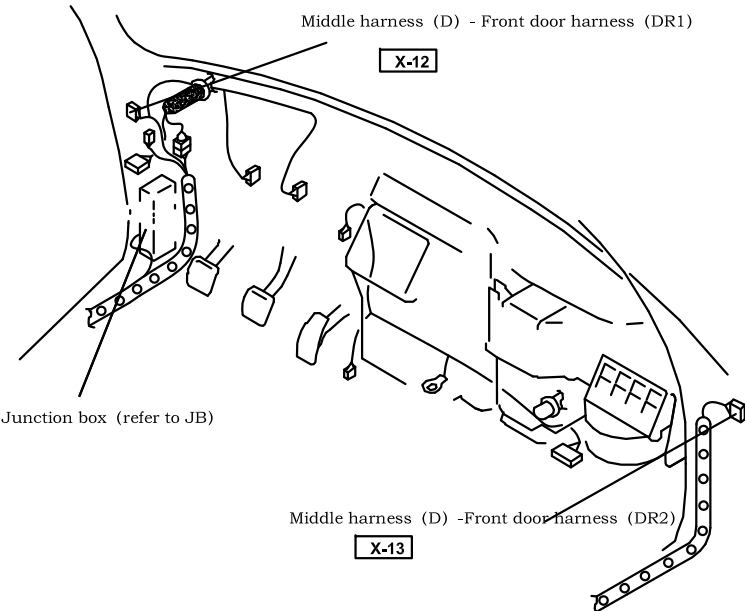
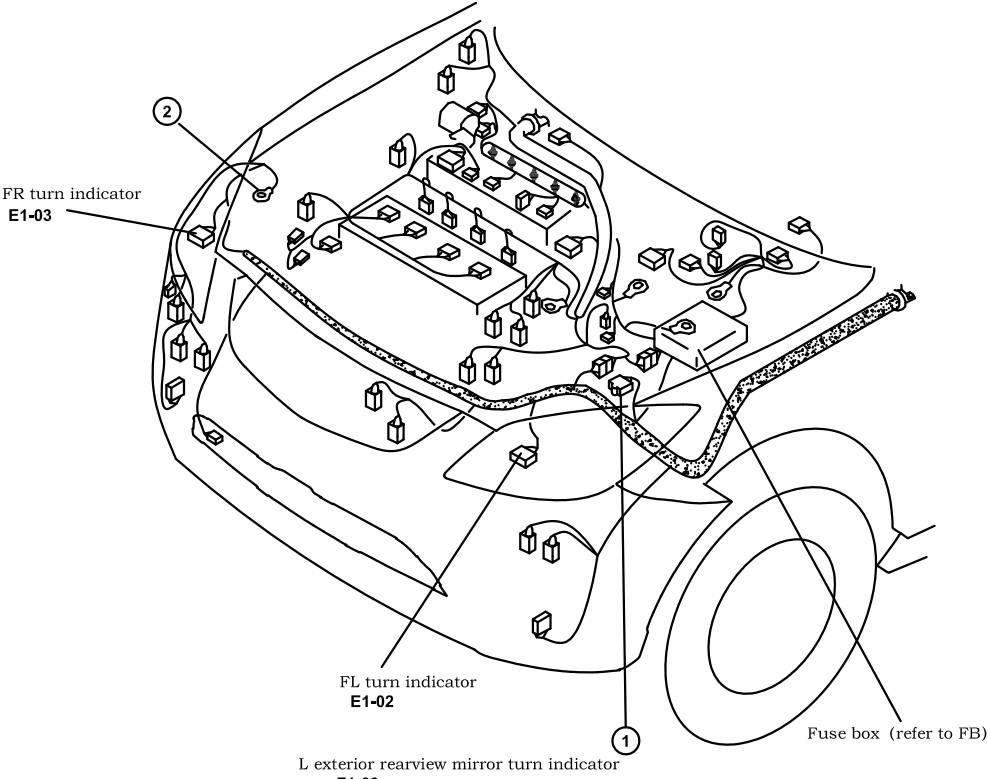
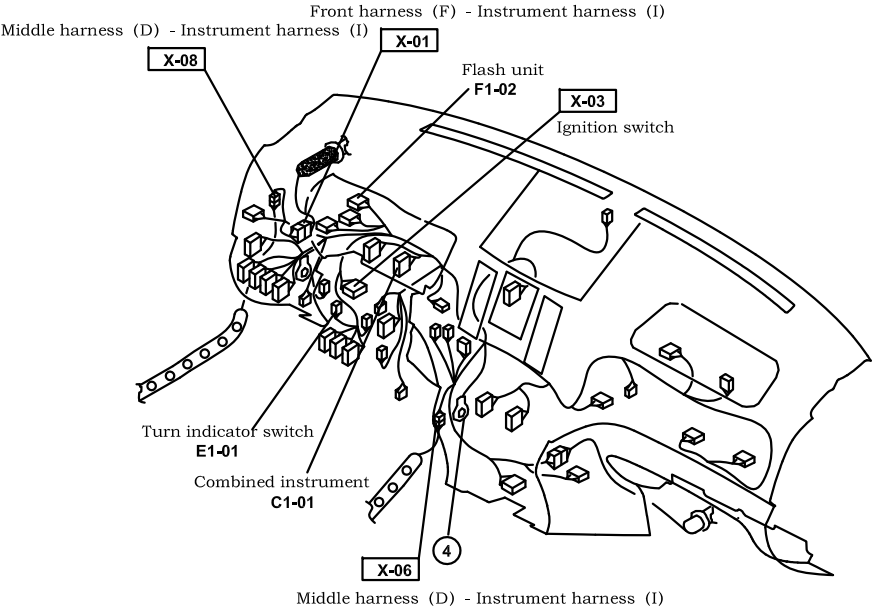


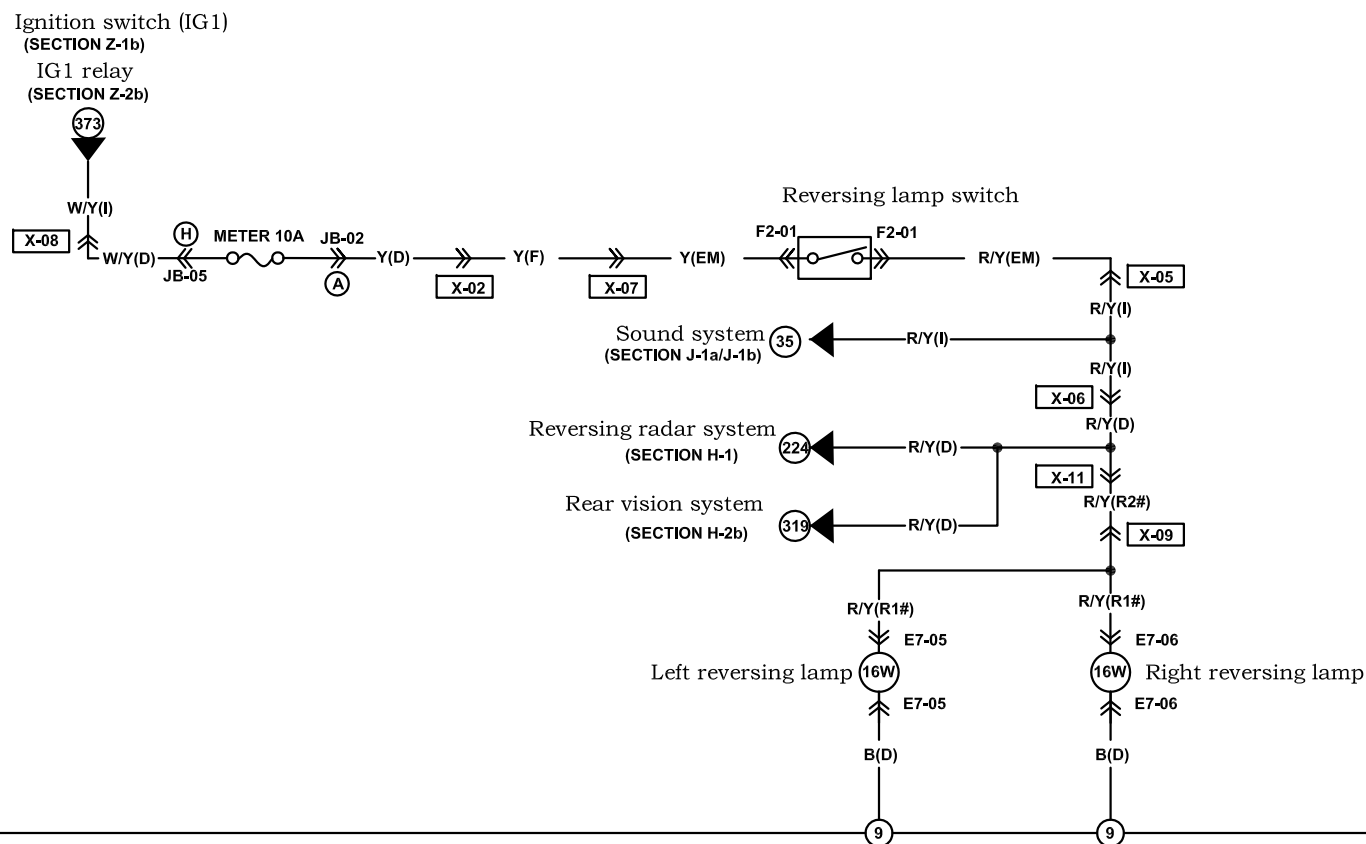
Harness mark:  (F)  (E)  (D)  (R)



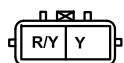


Harness mark: (F) (E) (D) (R)



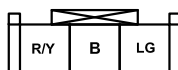


F2-01 Reversing lamp switch (EM)



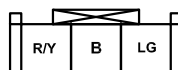
E7-05

Left trim lamp(tail lamp)(R2#)

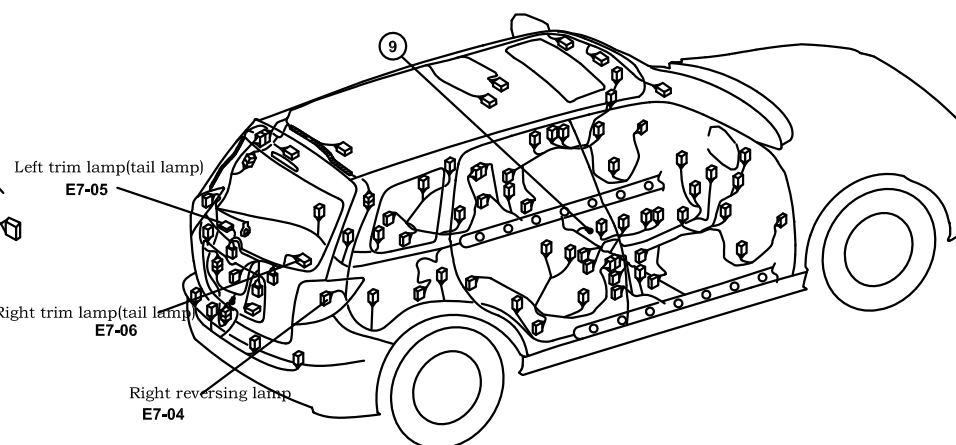
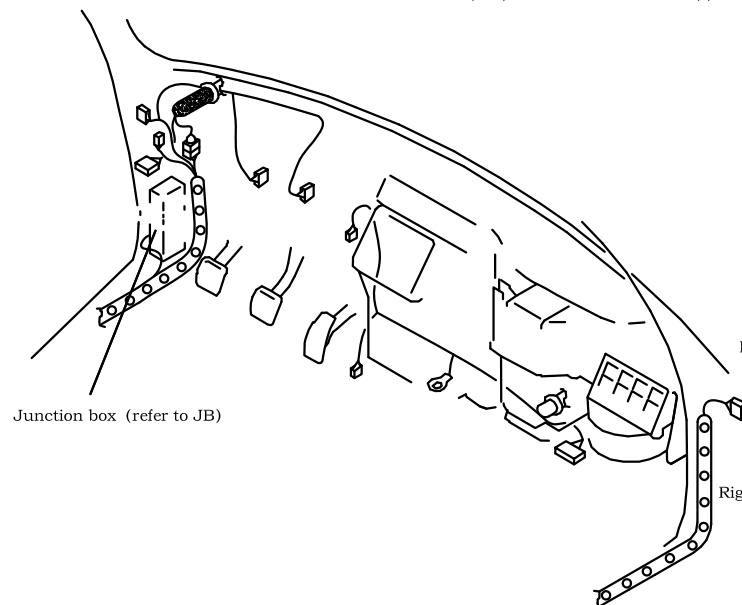
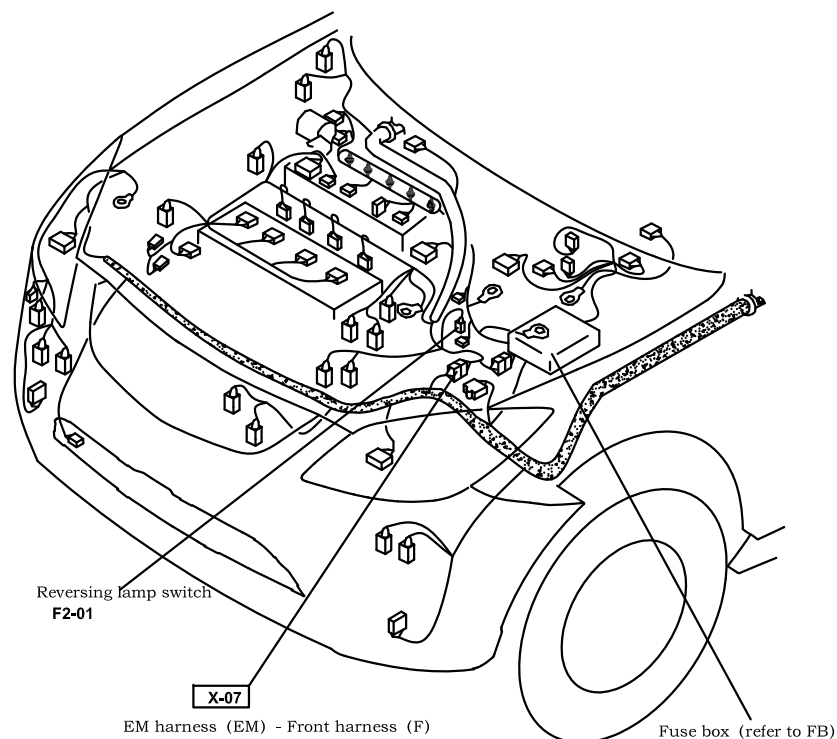
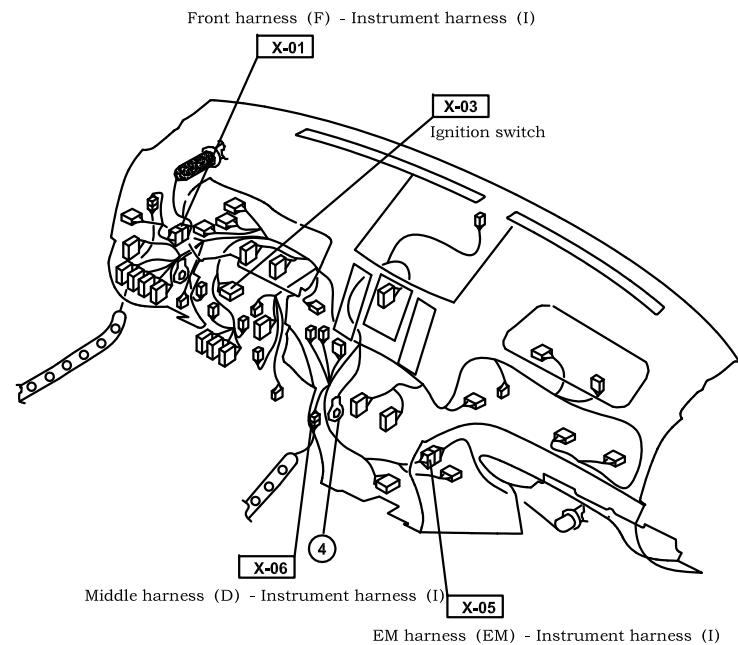


E7-06

Right trim lamp(tail lamp)(R2#)

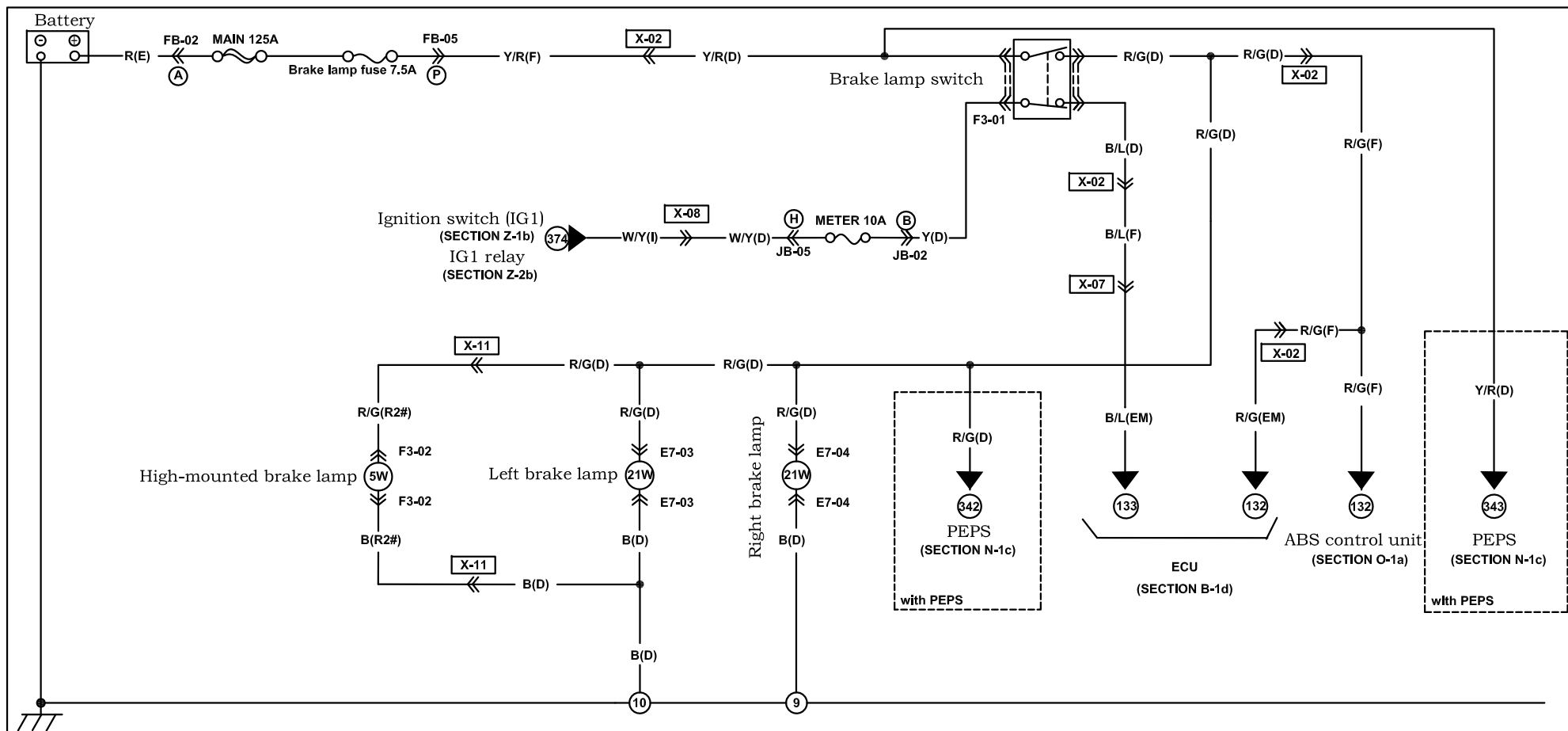


Harness mark:  (F)  (E)  (D)  (R)

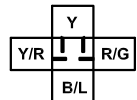


Brake lamp

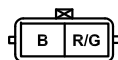
F-3



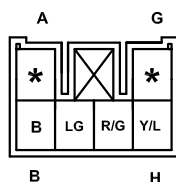
F3-01 Brake switch (D)



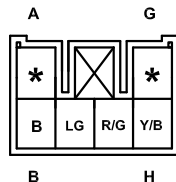
F3-02 High-mounted brake lamp(R2#)

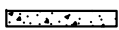
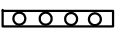


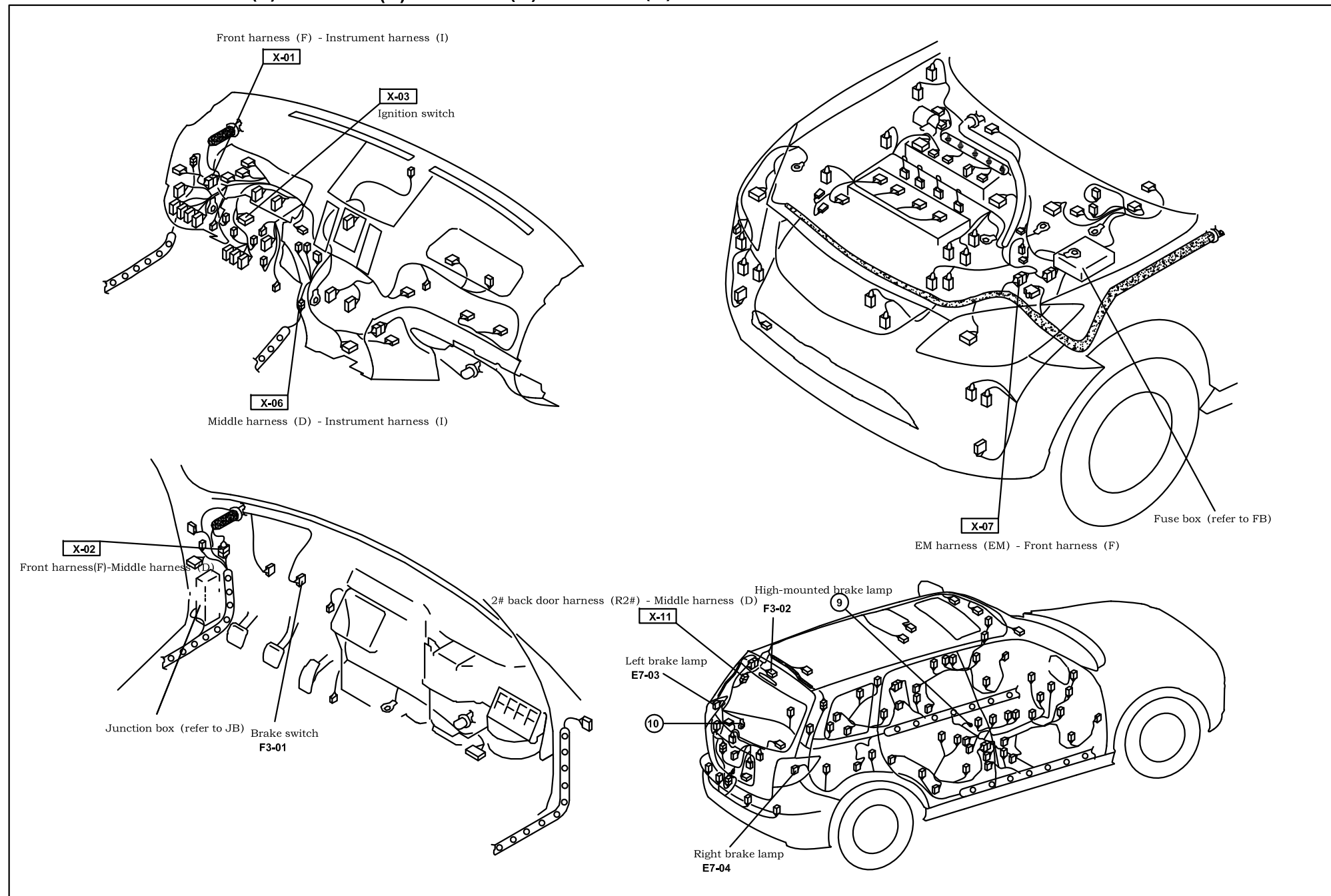
E7-03 Left brake lamp(D)

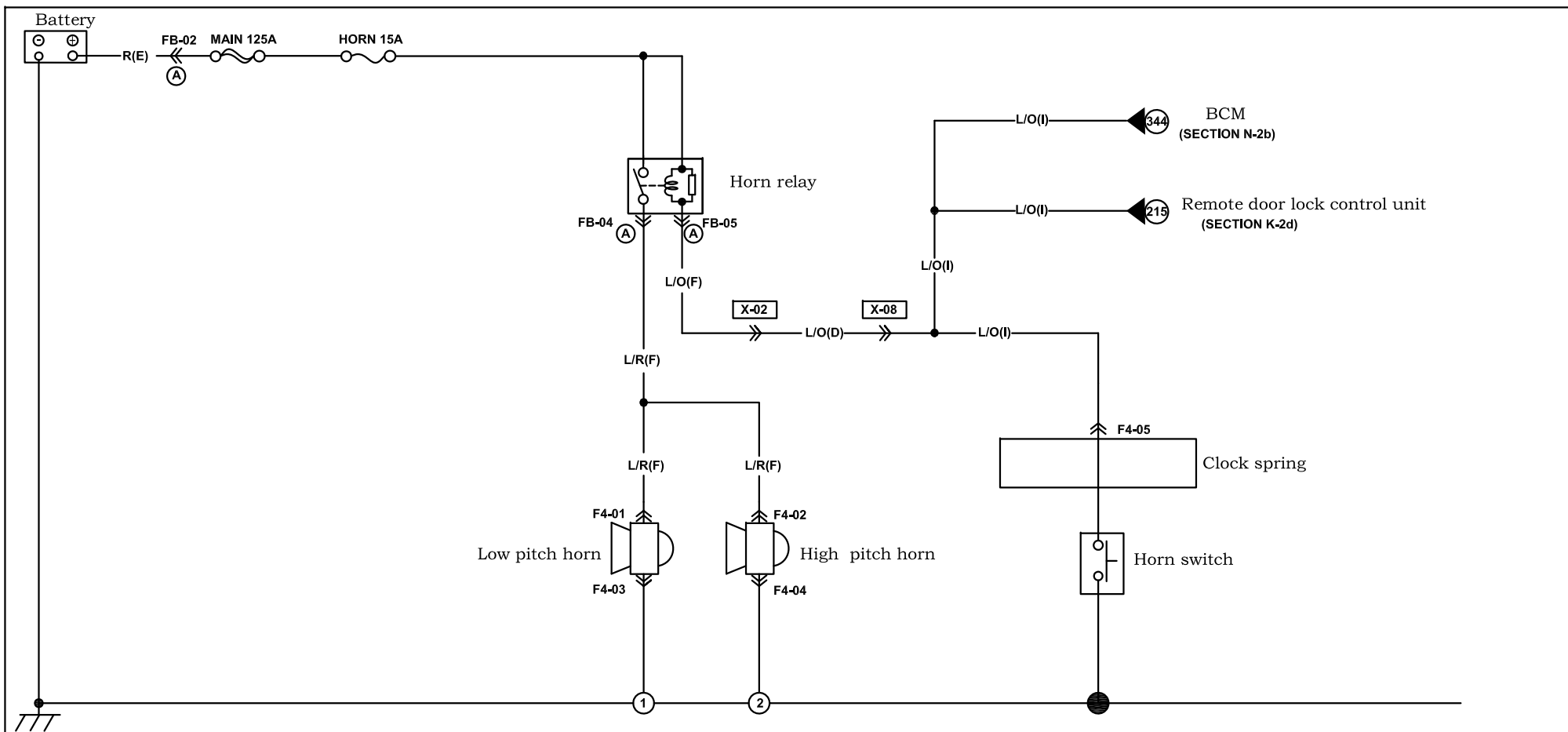


E7-04 Right brake lamp(D)

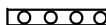


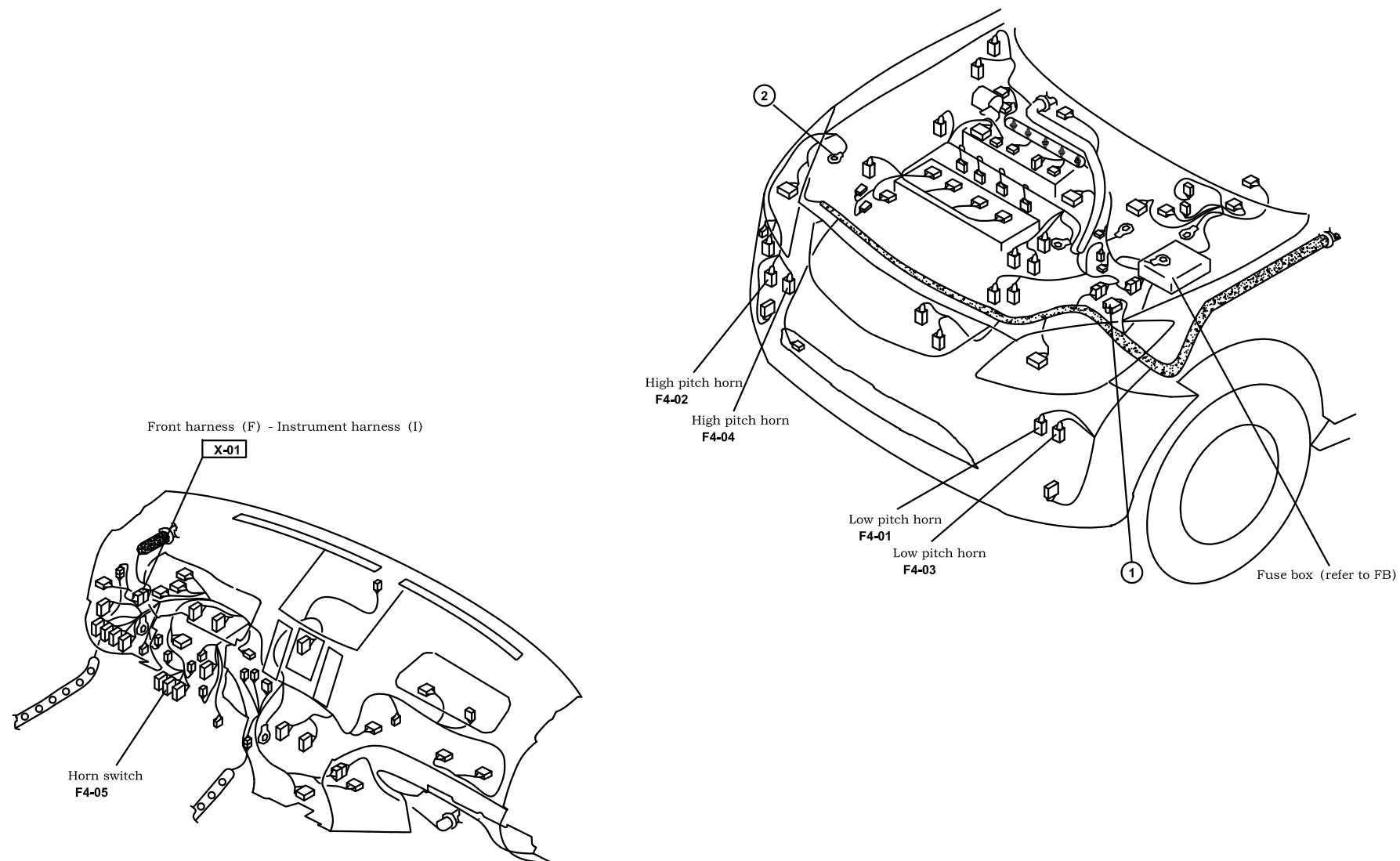
Harness mark:  (F)  (E)  (D)  (R)

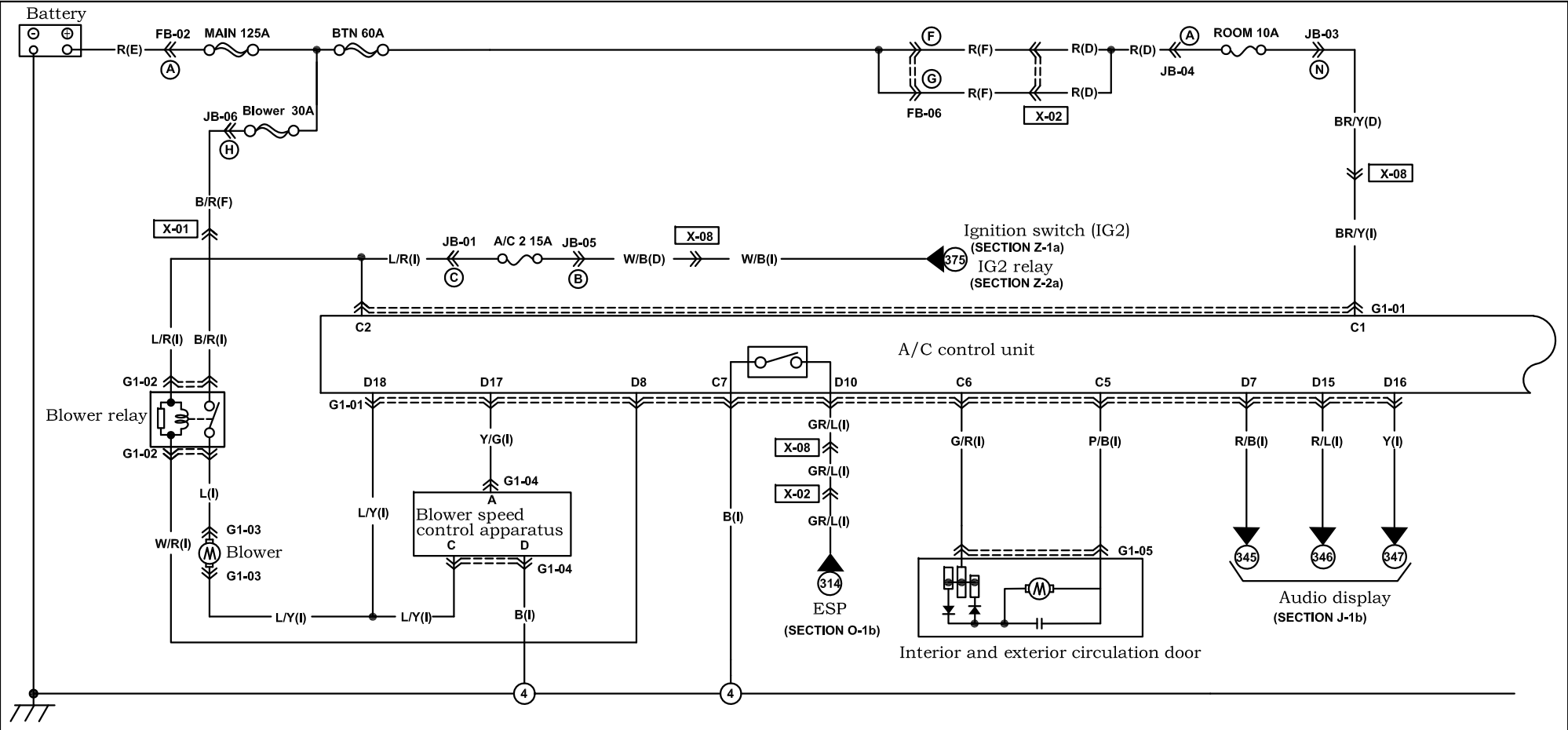




F4-01 Low pitch horn (F) 	F4-02 High pitch horn(F) 	F4-05 Clock spring (1) [] With cruise 		
F4-03 Low pitch horn (F) 	F4-04 High pitch horn(F) 			

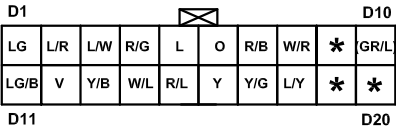
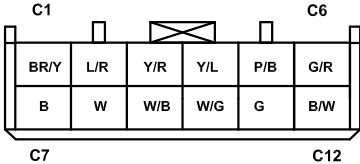
Harness mark:  (F)  (E)  (D)  (R)



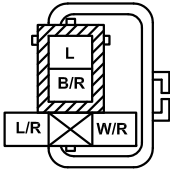


G1-01 A/C control unit (I)

() with ESP



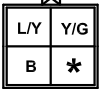
G1-02 Blower relay (I)



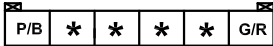
G1-03 Blower (I)

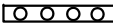


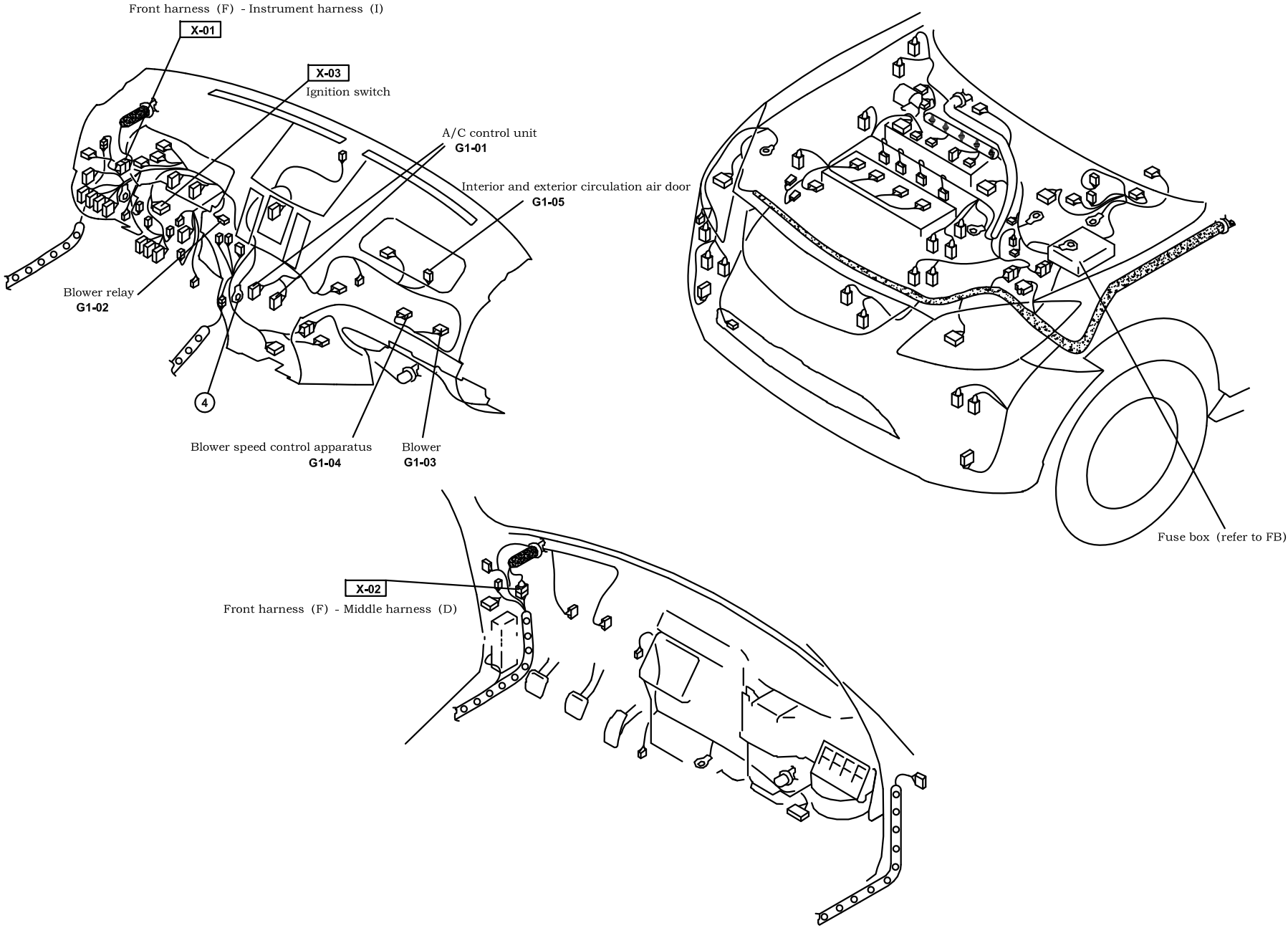
G1-04 Blower speed control apparatus(I)

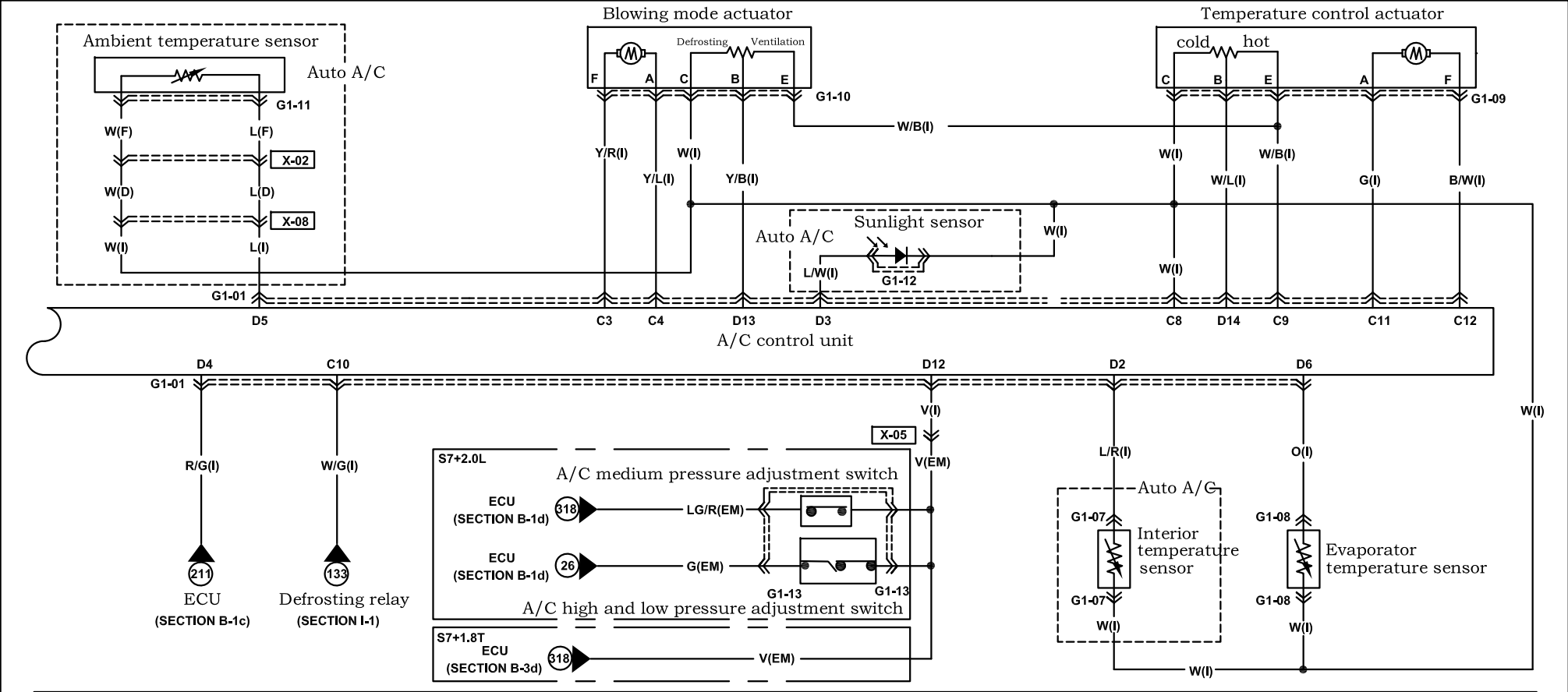


G1-05 Interior and exterior circulation door (I)

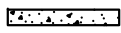
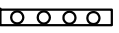
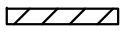


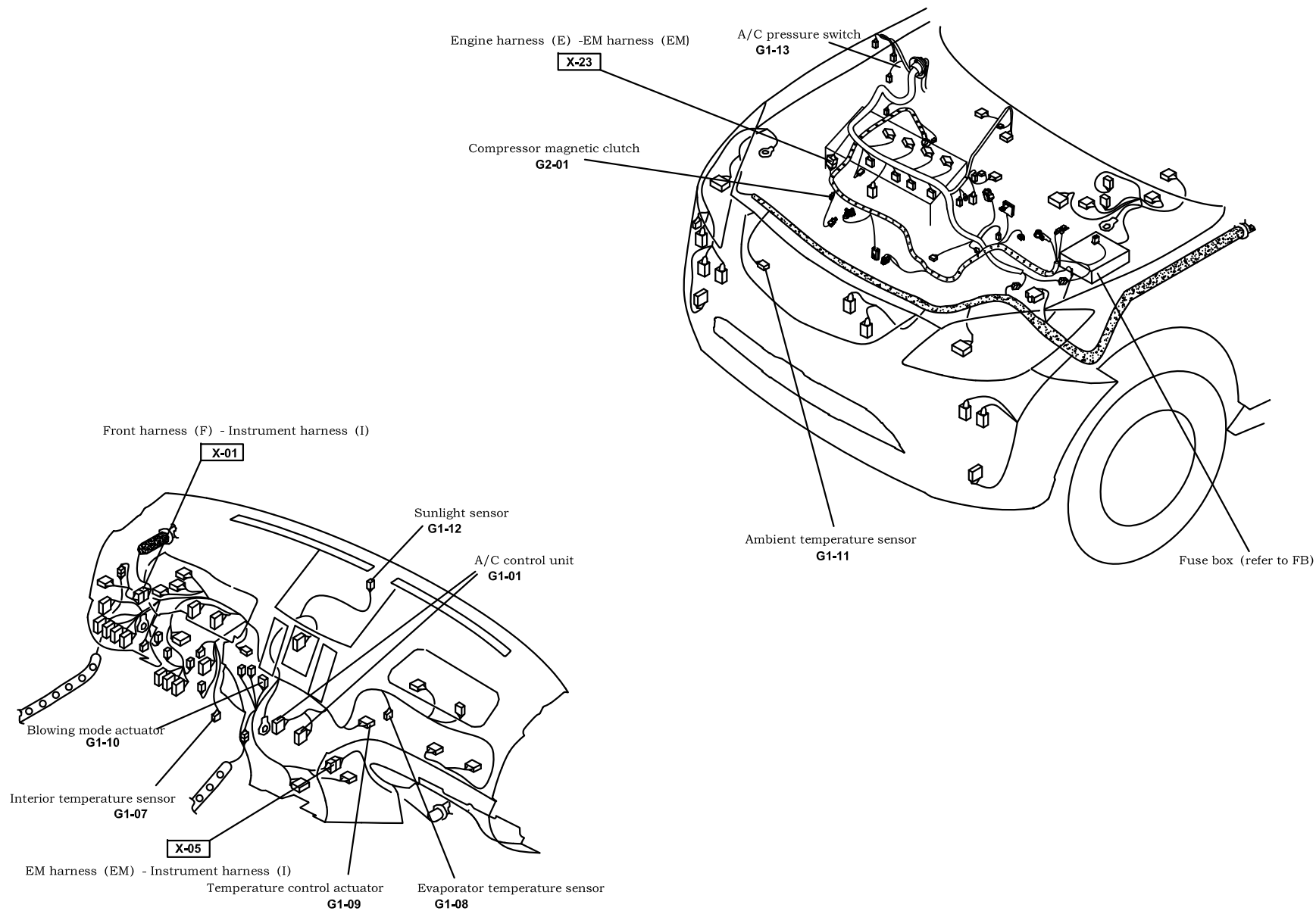
Harness mark:  (F)  (E)  (D)  (R)

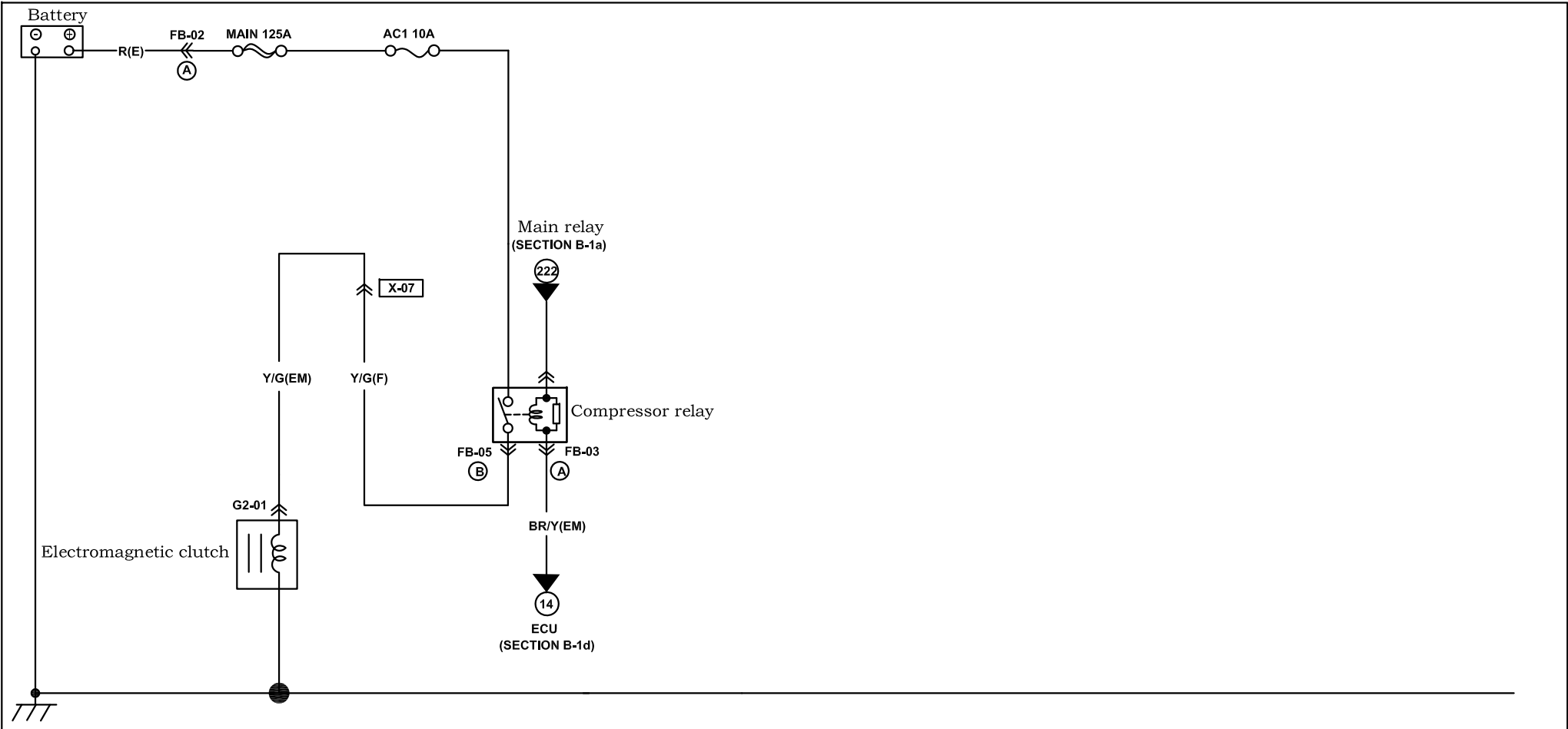




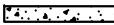
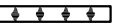
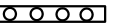
G1-01 A/C control unit (I) () with ESP <table><tr><td>C1</td><td></td><td></td><td></td><td></td><td></td><td>C6</td></tr><tr><td>BR/Y</td><td>L/R</td><td>Y/R</td><td>Y/L</td><td>P/B</td><td>G/R</td><td></td></tr><tr><td>B</td><td>W</td><td>W/B</td><td>W/G</td><td>G</td><td>B/W</td><td></td></tr><tr><td>C7</td><td></td><td></td><td></td><td></td><td></td><td>C12</td></tr></table><table><tr><td>D1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D10</td></tr><tr><td>LG</td><td>L/R</td><td>L/W</td><td>R/G</td><td>L</td><td>O</td><td>R/B</td><td>W/R</td><td>*</td><td>GR/L</td><td></td><td></td></tr><tr><td>LG/B</td><td>V</td><td>Y/B</td><td>W/L</td><td>R/L</td><td>Y</td><td>Y/G</td><td>L/Y</td><td>*</td><td>*</td><td></td><td></td></tr><tr><td>D11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>D20</td></tr></table>			C1						C6	BR/Y	L/R	Y/R	Y/L	P/B	G/R		B	W	W/B	W/G	G	B/W		C7						C12	D1											D10	LG	L/R	L/W	R/G	L	O	R/B	W/R	*	GR/L			LG/B	V	Y/B	W/L	R/L	Y	Y/G	L/Y	*	*			D11											D20	G1-07 Interior temperature sensor (I)	G1-08 Evaporator temperature sensor(I)	G1-09 Temperature control actuator(I) <table><tr><td>B/W</td><td>W/B</td><td>*</td><td>W</td><td>W/L</td><td>G</td></tr><tr><td>F</td><td></td><td></td><td></td><td></td><td>A</td></tr></table>	B/W	W/B	*	W	W/L	G	F					A	G1-10 Blowing mode actuator (I) <table><tr><td>G</td><td></td><td>A</td></tr><tr><td>W</td><td>*</td><td>W/B</td><td>*</td></tr><tr><td>Y/L</td><td>Y/B</td><td>Y/R</td><td>*</td></tr><tr><td>H</td><td></td><td></td><td>B</td></tr></table>	G		A	W	*	W/B	*	Y/L	Y/B	Y/R	*	H			B
C1						C6																																																																																																							
BR/Y	L/R	Y/R	Y/L	P/B	G/R																																																																																																								
B	W	W/B	W/G	G	B/W																																																																																																								
C7						C12																																																																																																							
D1											D10																																																																																																		
LG	L/R	L/W	R/G	L	O	R/B	W/R	*	GR/L																																																																																																				
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W	*	W/B	*																																																																																																										
Y/L	Y/B	Y/R	*																																																																																																										
H			B																																																																																																										
	G1-11 Ambient temperature sensor(F)	G1-12 Sunlight sensor (I)	G1-13 A/C pressure switch (EM)																																																																																																										

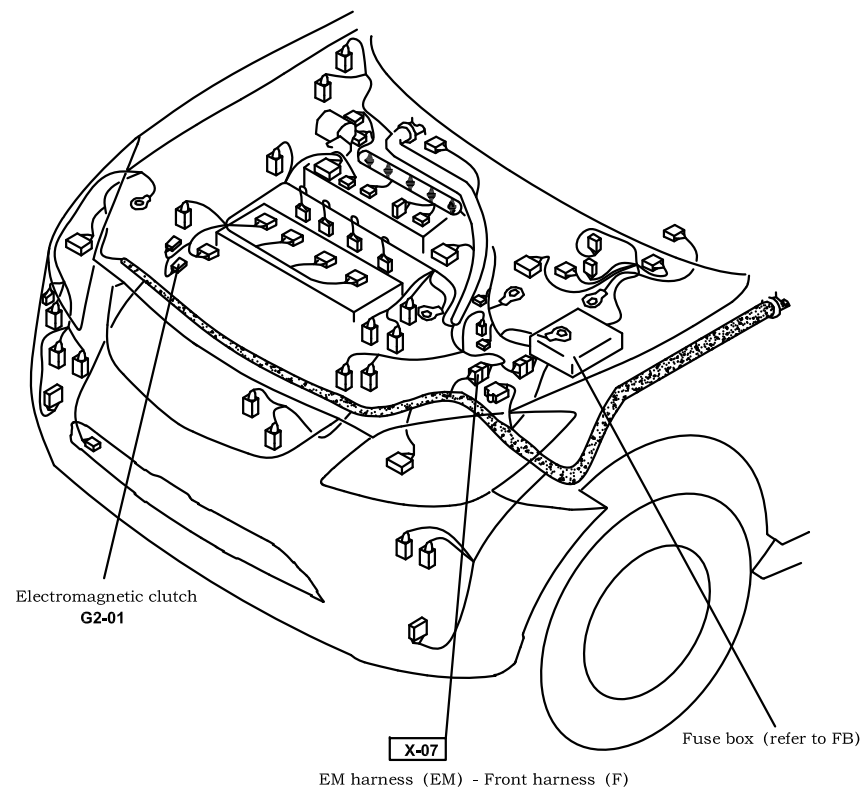
Harness mark:  (F)  (E)  (D)  (R)

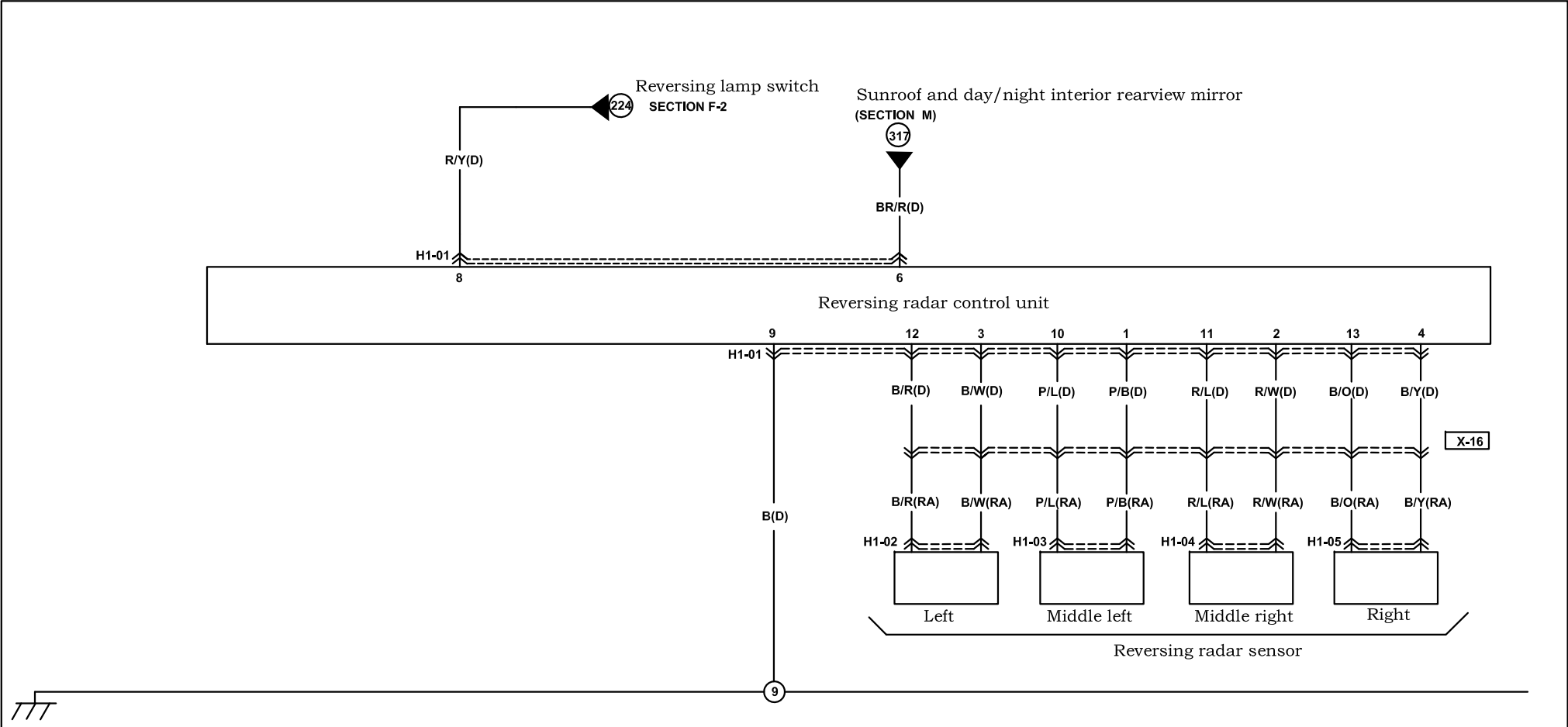




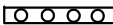
G2-01 Electromagnetic clutch (EM) 						

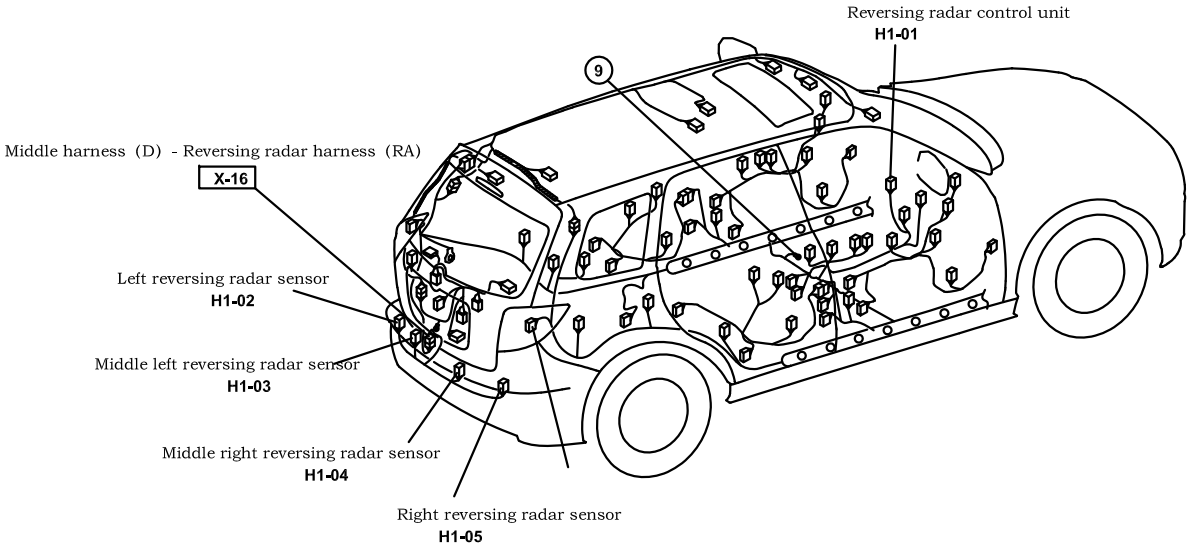
Harness mark:  (F)  (E)  (D)  (R)

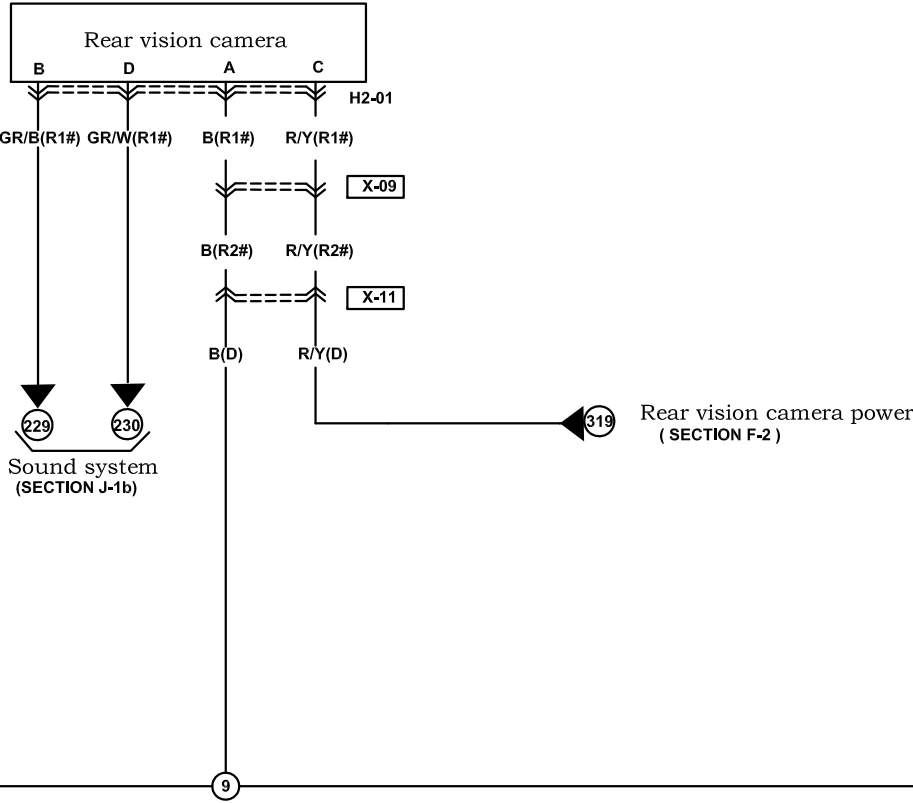




H1-01 Reversing radar control unit (IN) 1 8 <table><tr><td>P/B</td><td>R/W</td><td>B/W</td><td>B/Y</td><td>*</td><td>BR/R</td><td>*</td><td>R/Y</td></tr><tr><td>B</td><td>P/L</td><td>R/L</td><td>B/R</td><td>B/O</td><td>*</td><td>*</td><td>*</td></tr></table> 9 16	P/B	R/W	B/W	B/Y	*	BR/R	*	R/Y	B	P/L	R/L	B/R	B/O	*	*	*	H1-02 Left reversing radar sensor (RA) B/R	H1-03 Middle left reversing radar sensor (RA) P/L	H1-04 Middle right reversing radar sensor(RA) R/L	H1-05 Right reversing radar sensor(RA) B/O	
P/B	R/W	B/W	B/Y	*	BR/R	*	R/Y														
B	P/L	R/L	B/R	B/O	*	*	*														

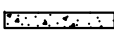
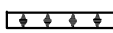
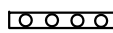
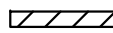
Harness mark:  (F)  (E)  (D)  (R)

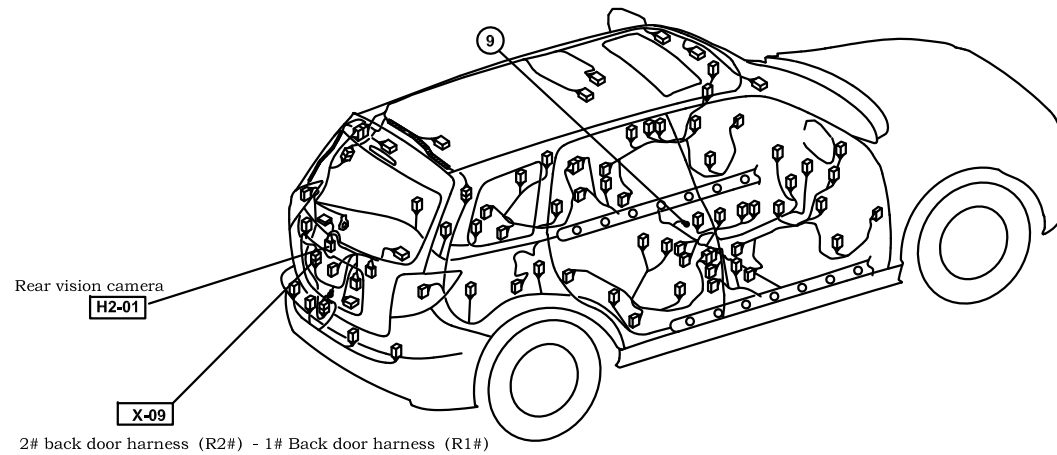


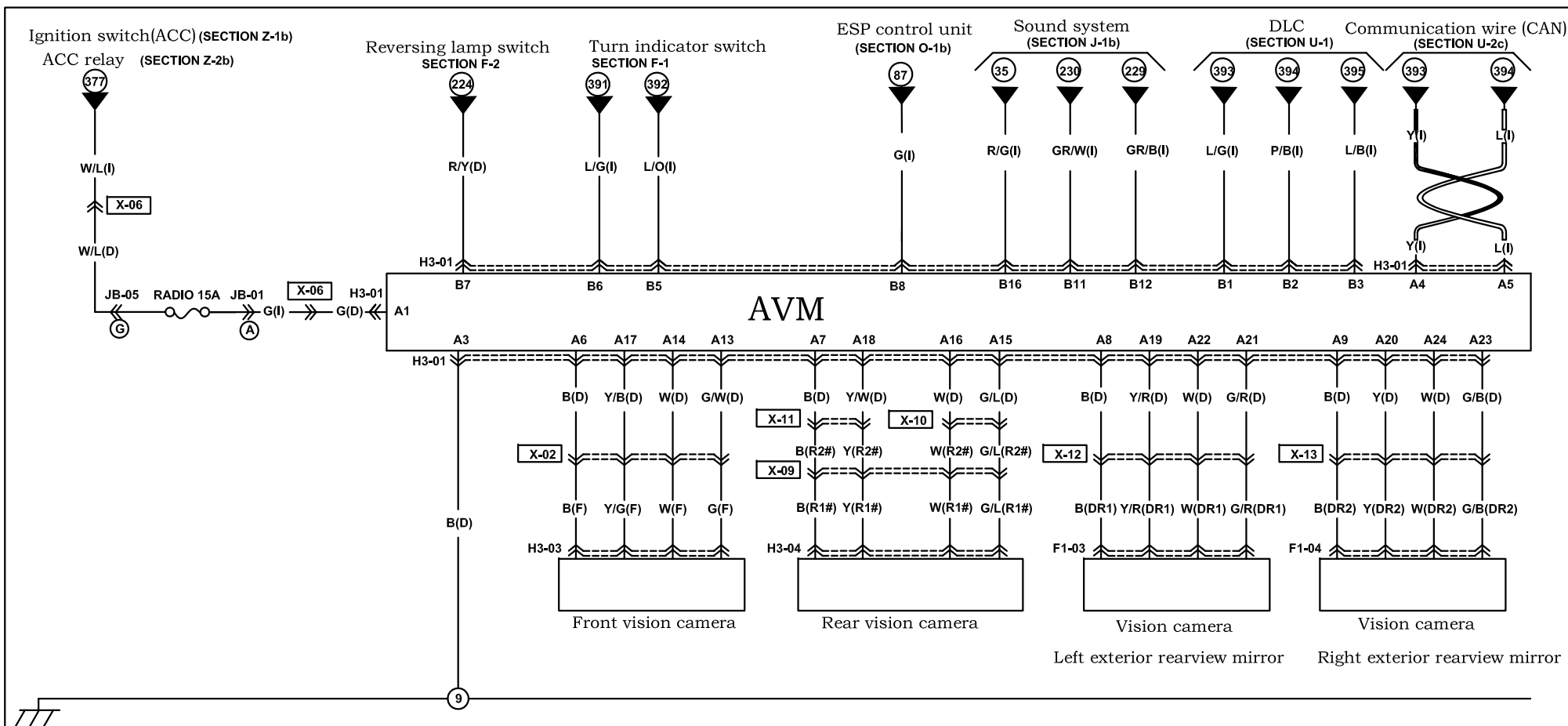


H2-01 Rear vision camera (R1#)

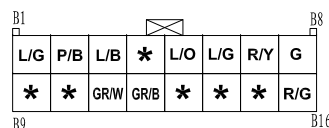
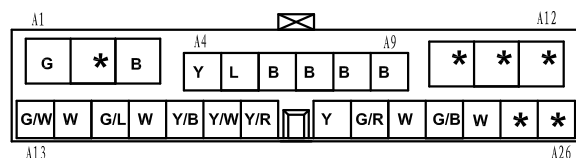


Harness mark:  (F)  (E)  (D)  (R)

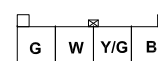




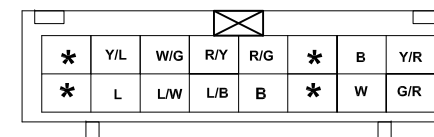
H3-01 AVM control unit



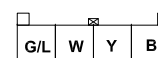
H3-02 Front vision camera (F)



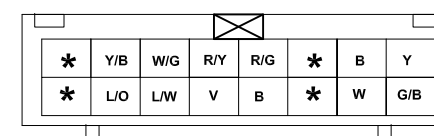
F1-03 Left exterior rearview mirror (DR1)

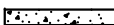
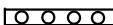


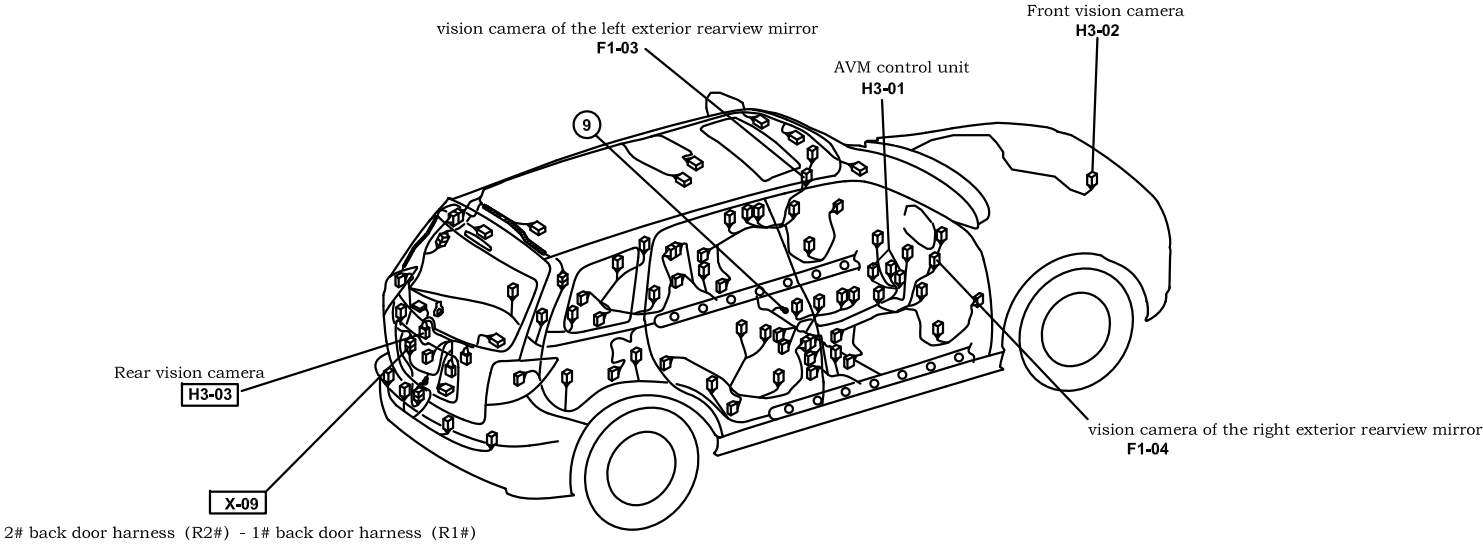
H3-03 Rear vision camera (R1#)

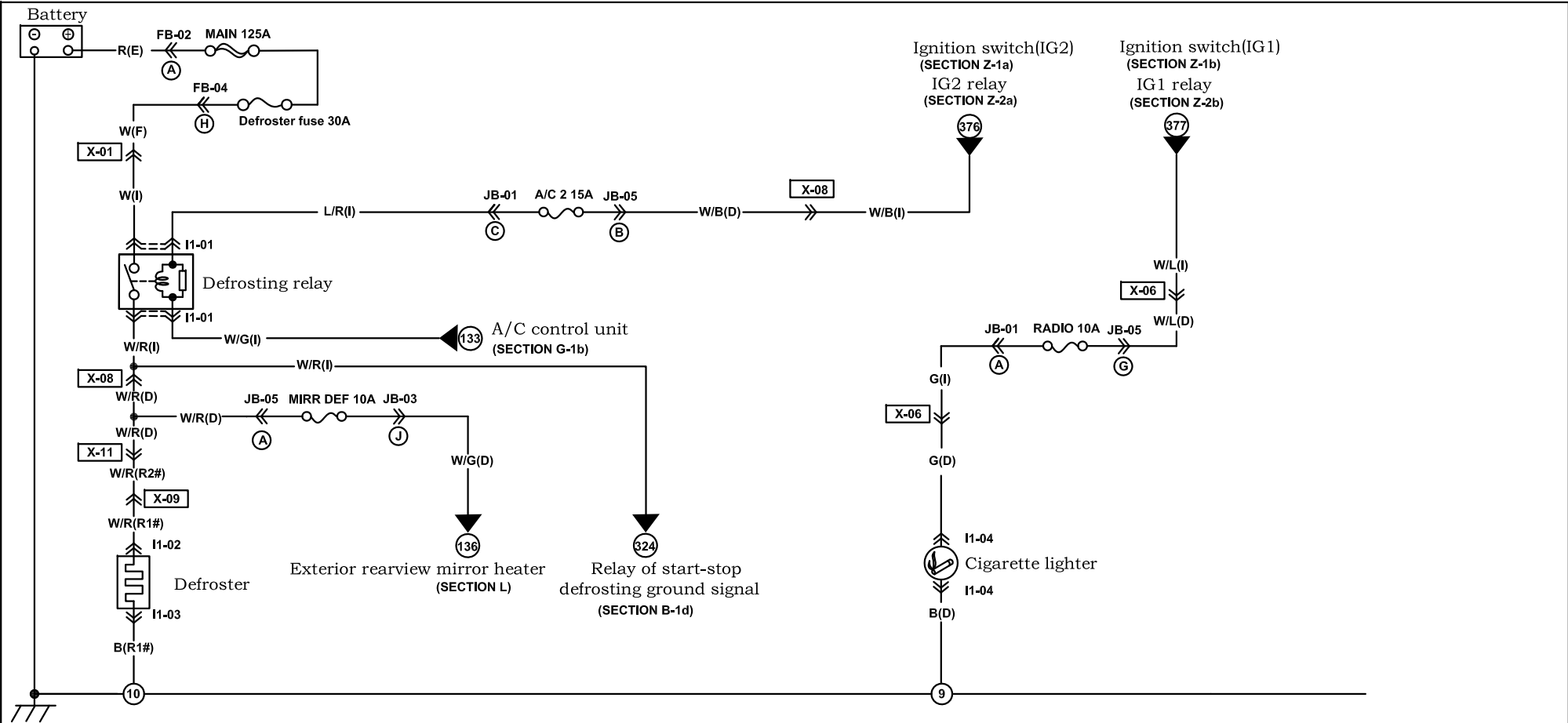


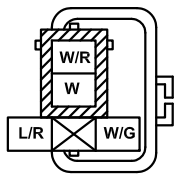
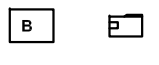
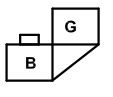
F1-04 Right exterior rearview mirror (DR2)

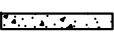
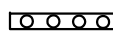
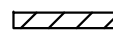


Harness mark:  (F)  (E)  (D)  (R)

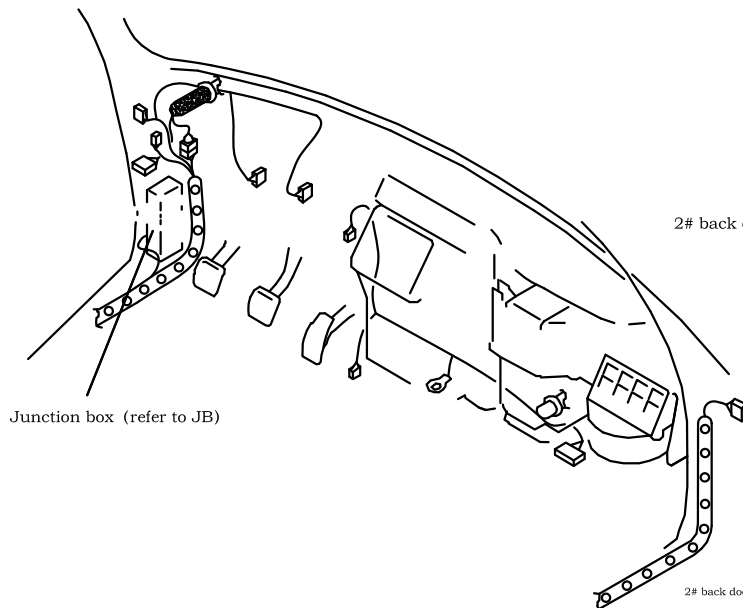
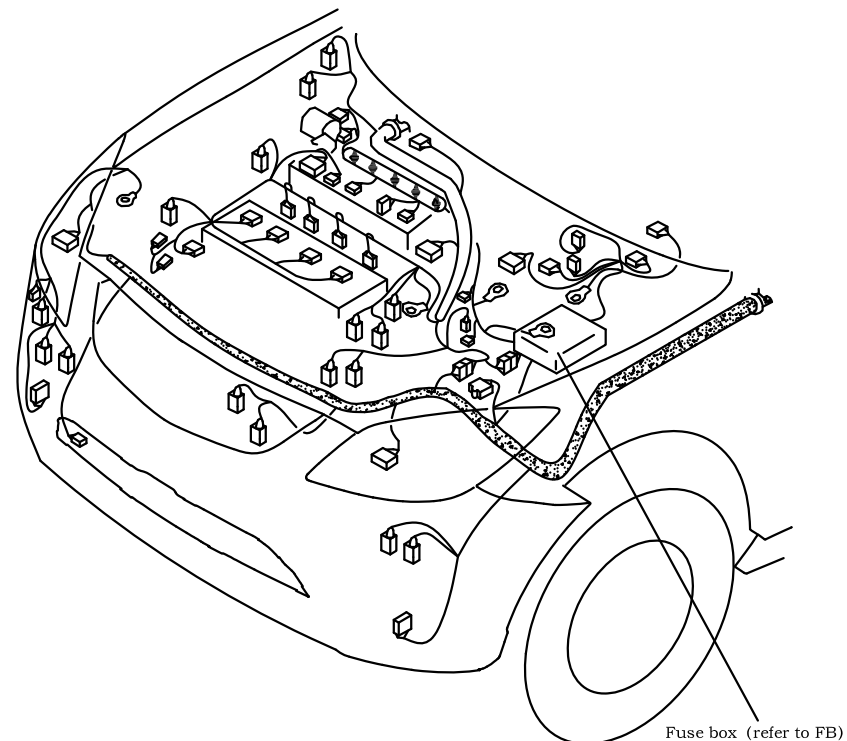
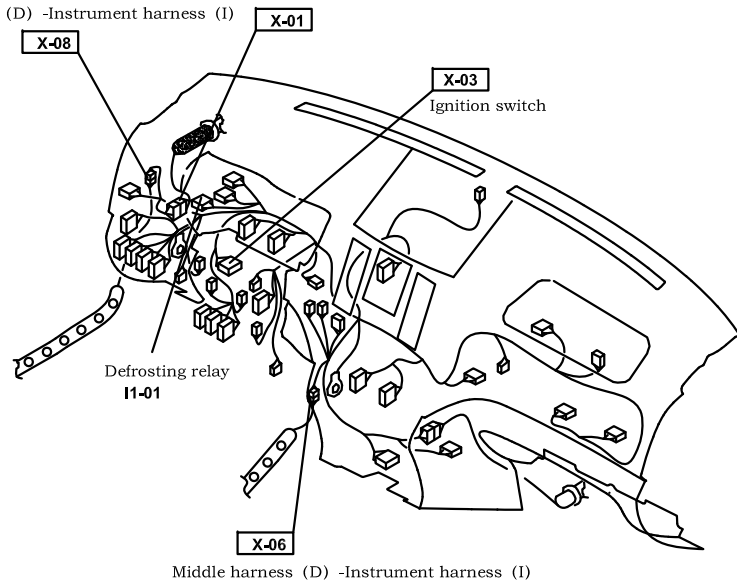




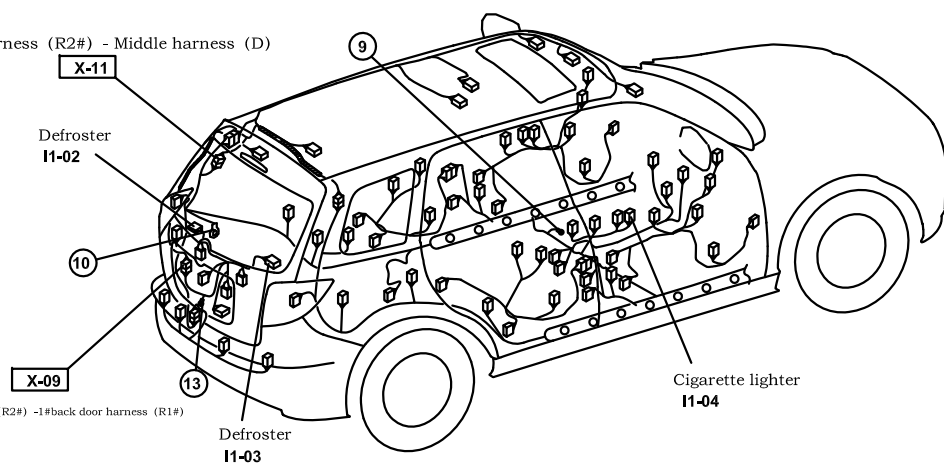
I1-01 Defrosting relay (I) 	I1-02 Defroster (R1#) 	I1-03 Defroster (R1#) 	I1-04 Cigarette lighter (I) 		

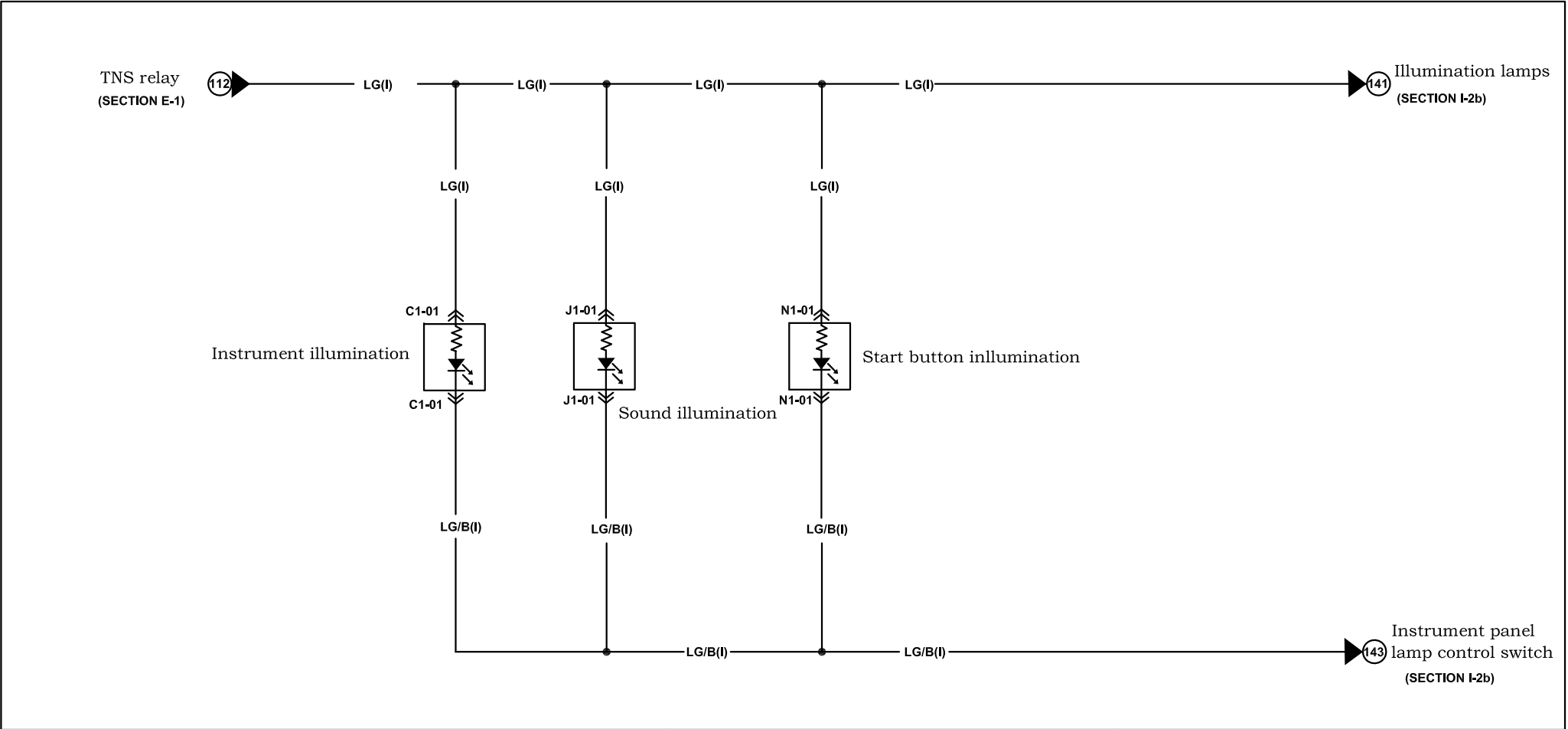
Harness mark:  (F)  (E)  (D)  (R)

Front harness (F) -Instrument harness (I)
Middle harness (D) -Instrument harness (I)



2# back door harness (R2#) - Middle harness (D)





C1-01 Combined instrument (I) () with ESP

A1														A16	
B/Y	B/L	B/W	B/R	R/Y	P	Y/G	(G/O)	(V/W)	*	*	*	*	*	*	*
LG	LG/B	*	*	*	*	*	*	*	*	*	G/B	LG/R	G/W	G/R	Y/L
A17														A32	

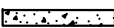
J1-01 Sound unit (I)

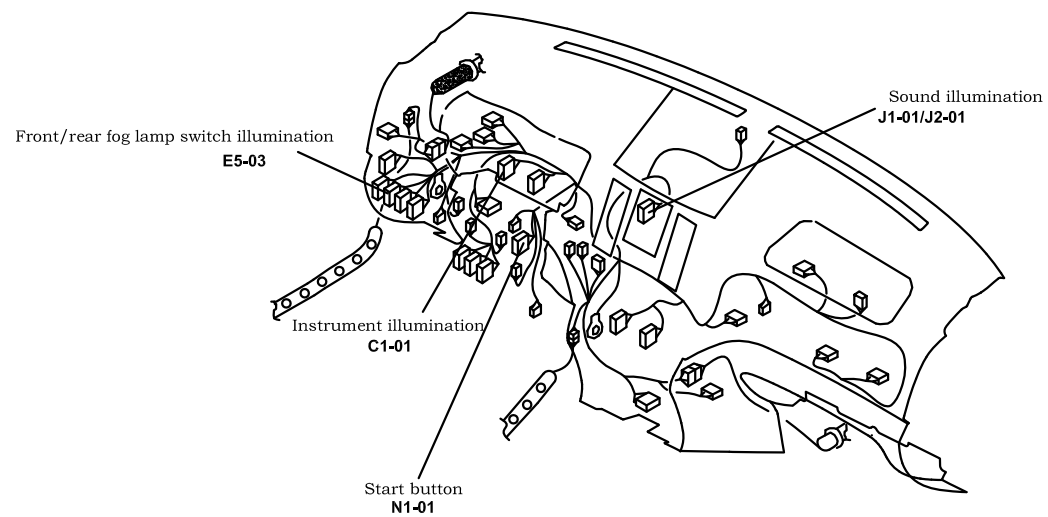
Yellow C1				Green C2				Blue C3			
1	R/B	4	G	7	B/G	10	GR/B	13	*	*	*
3	*	6	R/Y	9	GR/W	12	Y	15	*	*	*
5	R/L	8	G/Y	11	L/O	14	*	17	*	*	*

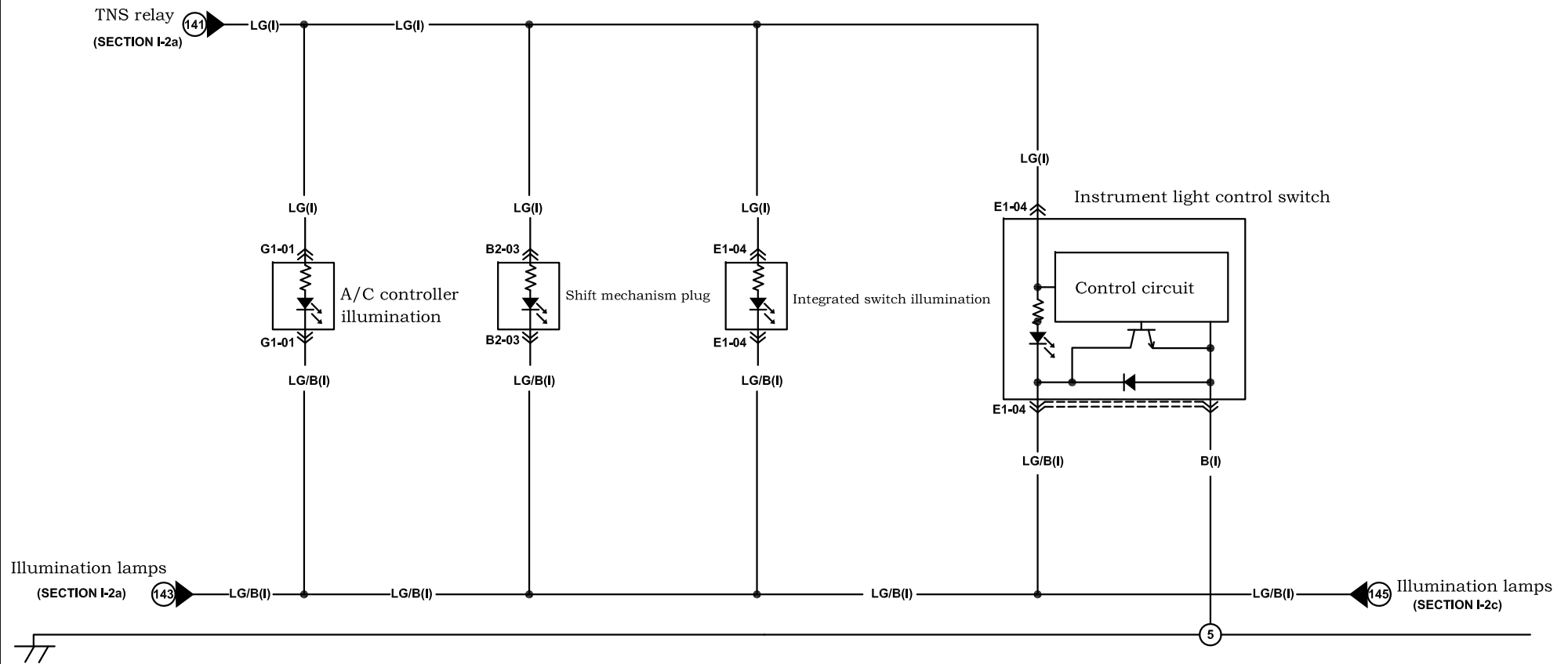
A2		A1		B2		B1	
Black		Brown					
R/W		R/G		O		L	
G		LG/B		G/Y		G/R	
LG		*		G/W		G/O	
B		BR/Y		L/Y		L/W	
A8		A7		B8		B7	

N1-01 Start button (I)

10					6	
R	P	R/B	LG/B	LG		
P	W	G/B	*	*		
5					1	

Harness mark:  (F)  (E)  (D)  (R)





G1-01 A/C controller illumination (I) () with ESP

D1										D10									
LG	L/R	L/W	R/G	L	O	R/B	W/R	*	GR/L										
LG/B	V	Y/B	W/L	R/L	Y	Y/G	L/Y	*	*										
D11										D20									

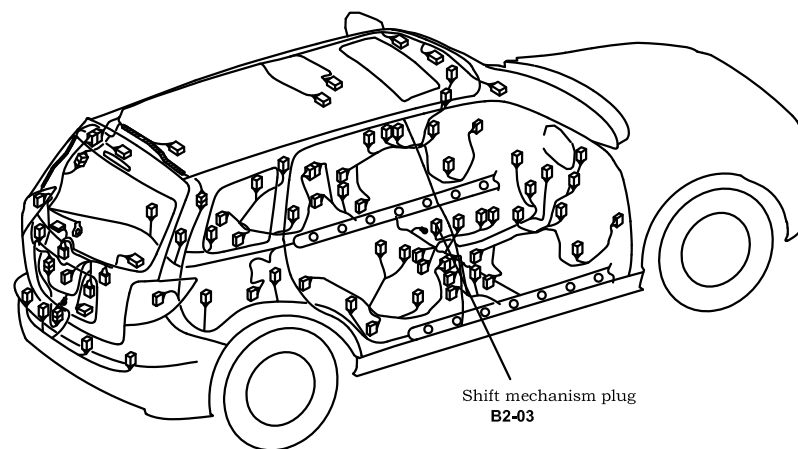
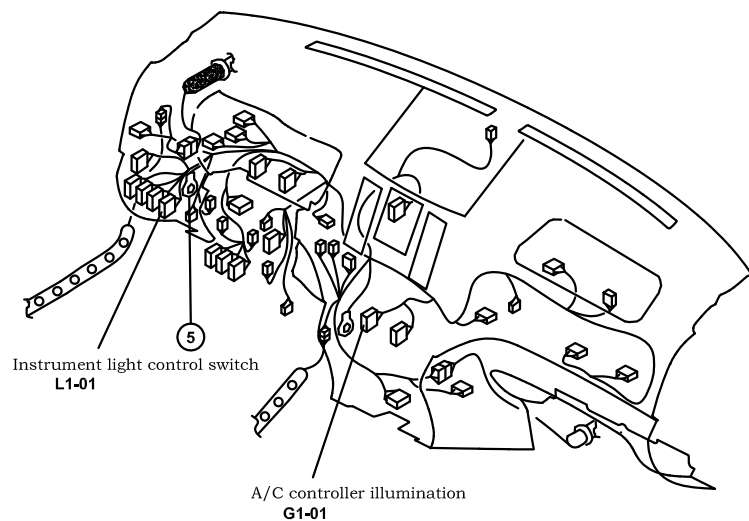
L1-01 Instrument light control switch (I)

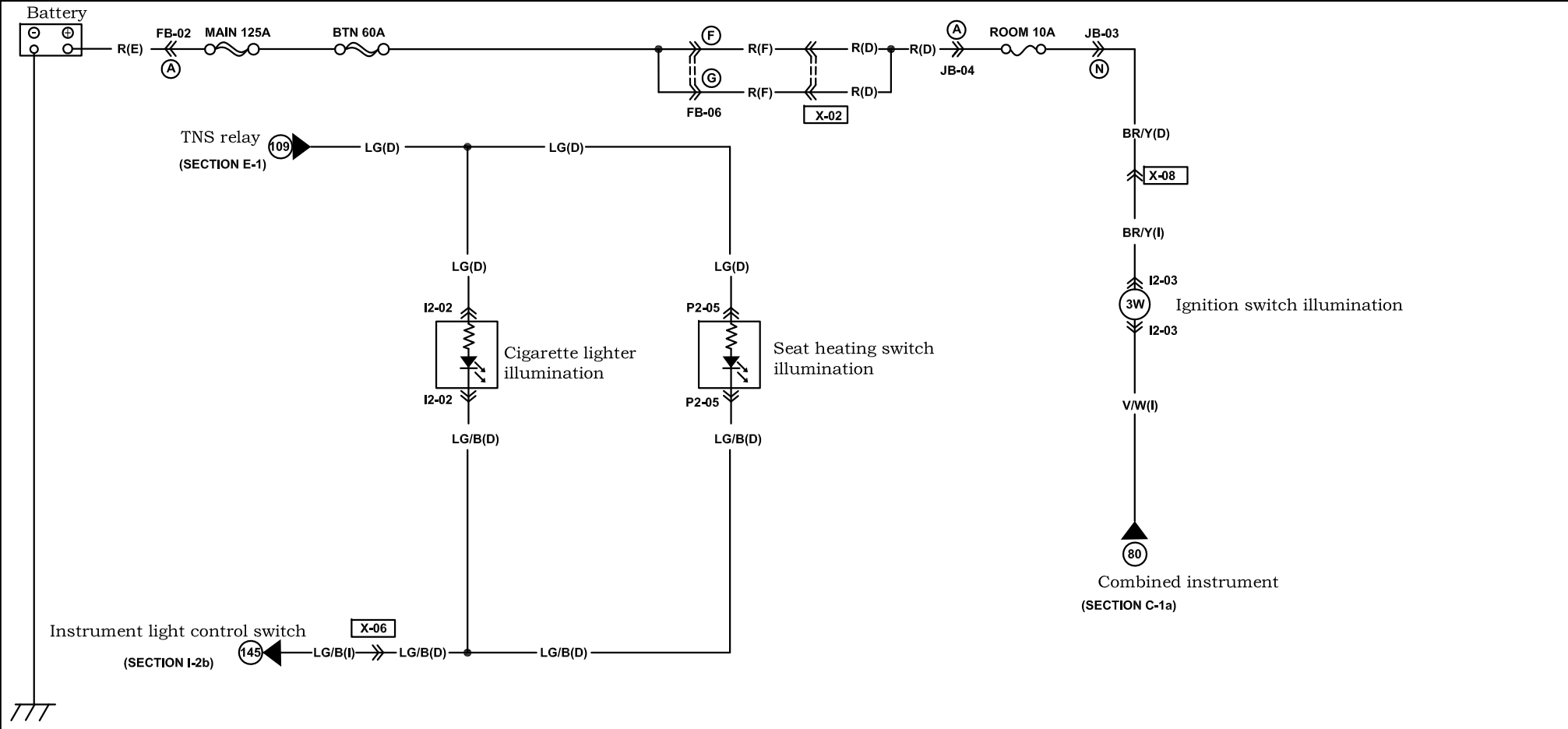
S	Q	O	M	K	I	G	E	C	A
R/B	LG	LG/B	L/W	L	L/O	L/B	V	R/G	R/Y
B	P	G/B	&P/L	W	*	*	*	*	B
T	R	P	N	L	J	H	F	D	B

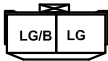
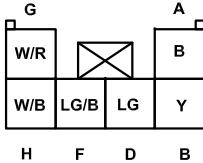
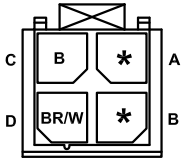
B2-03 Shift mechanism plug (I)

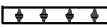
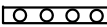
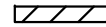
G	LG			Y	B/Y	A
H	LG/B	*	G/R	*	O/B	B

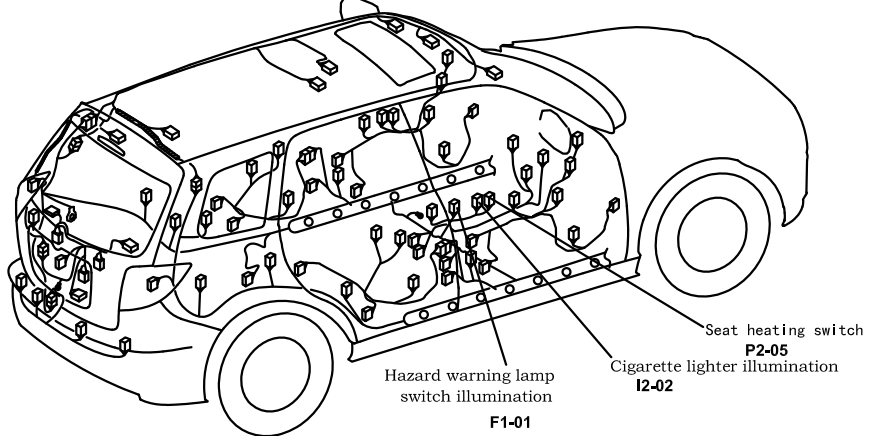
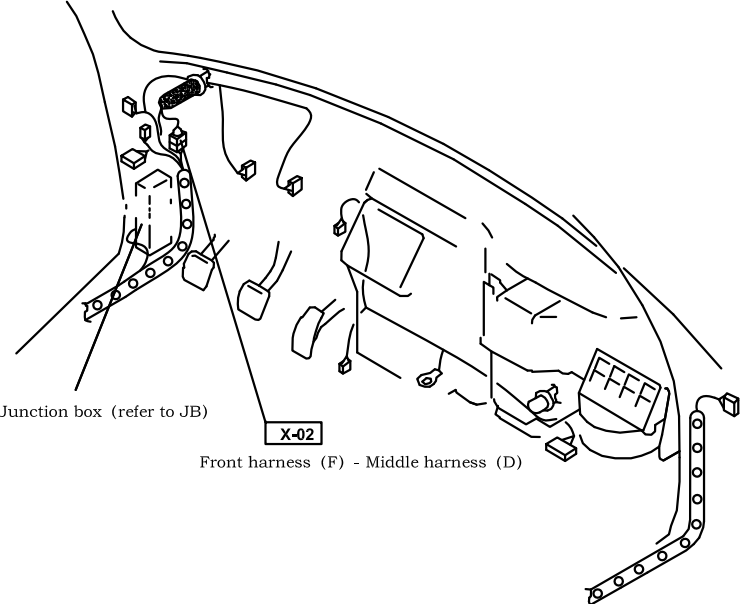
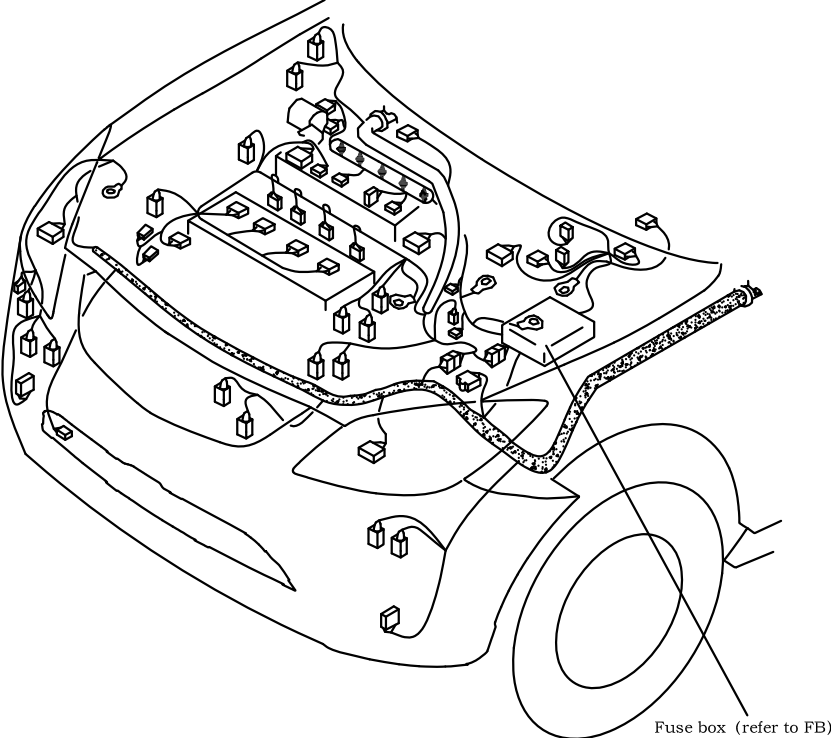
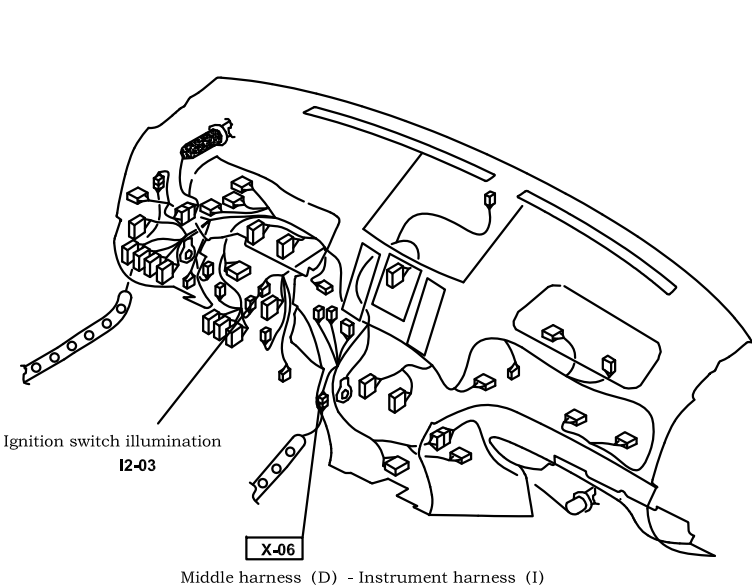
Harness mark:  (F)  (E)  (D)  (R)

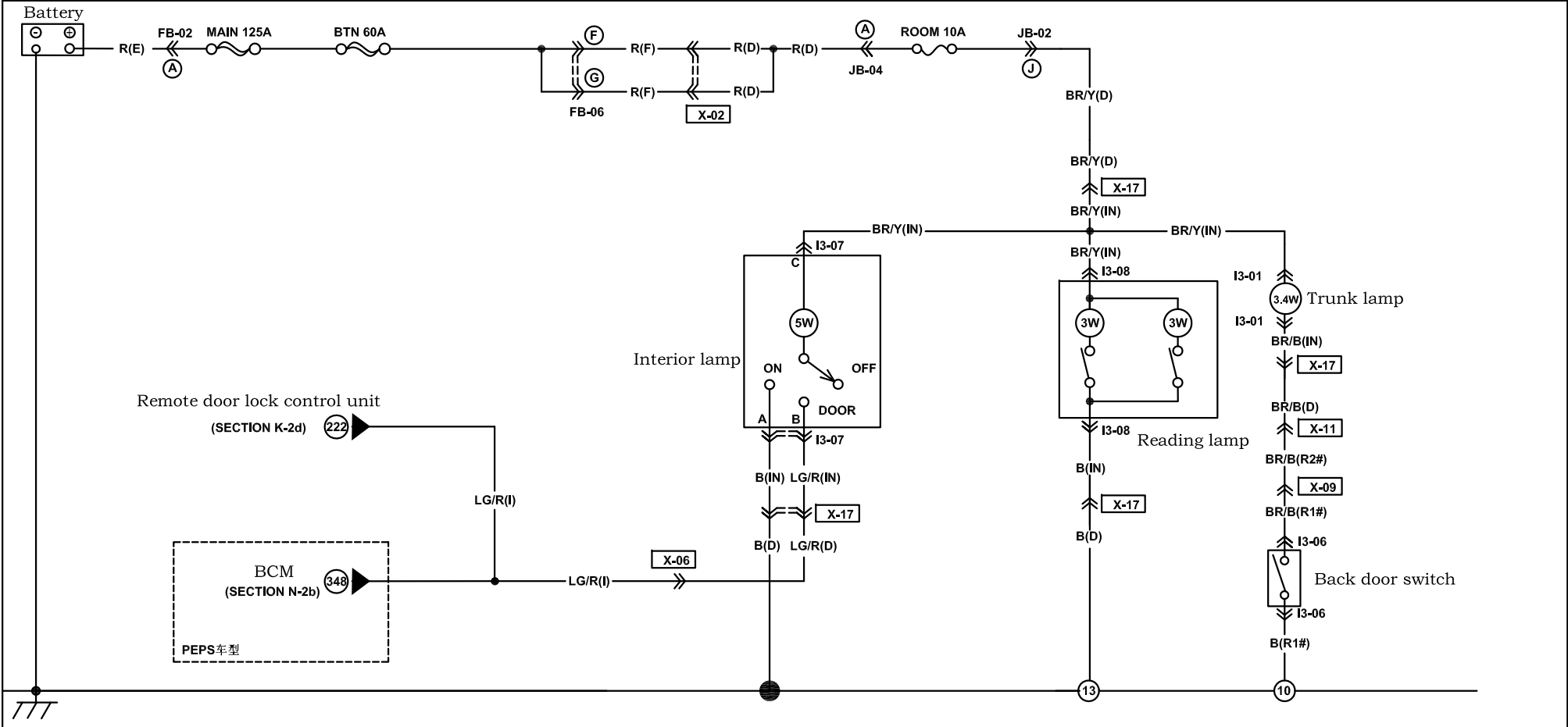




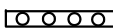
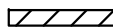
I2-02 Cigarette lighter illumination(D) 	I2-03 Ignition switch illumination(I) 	P2-05 Seat heating switch (D) 				
F1-01 Hazard warning lamp switch illumination (I) 						

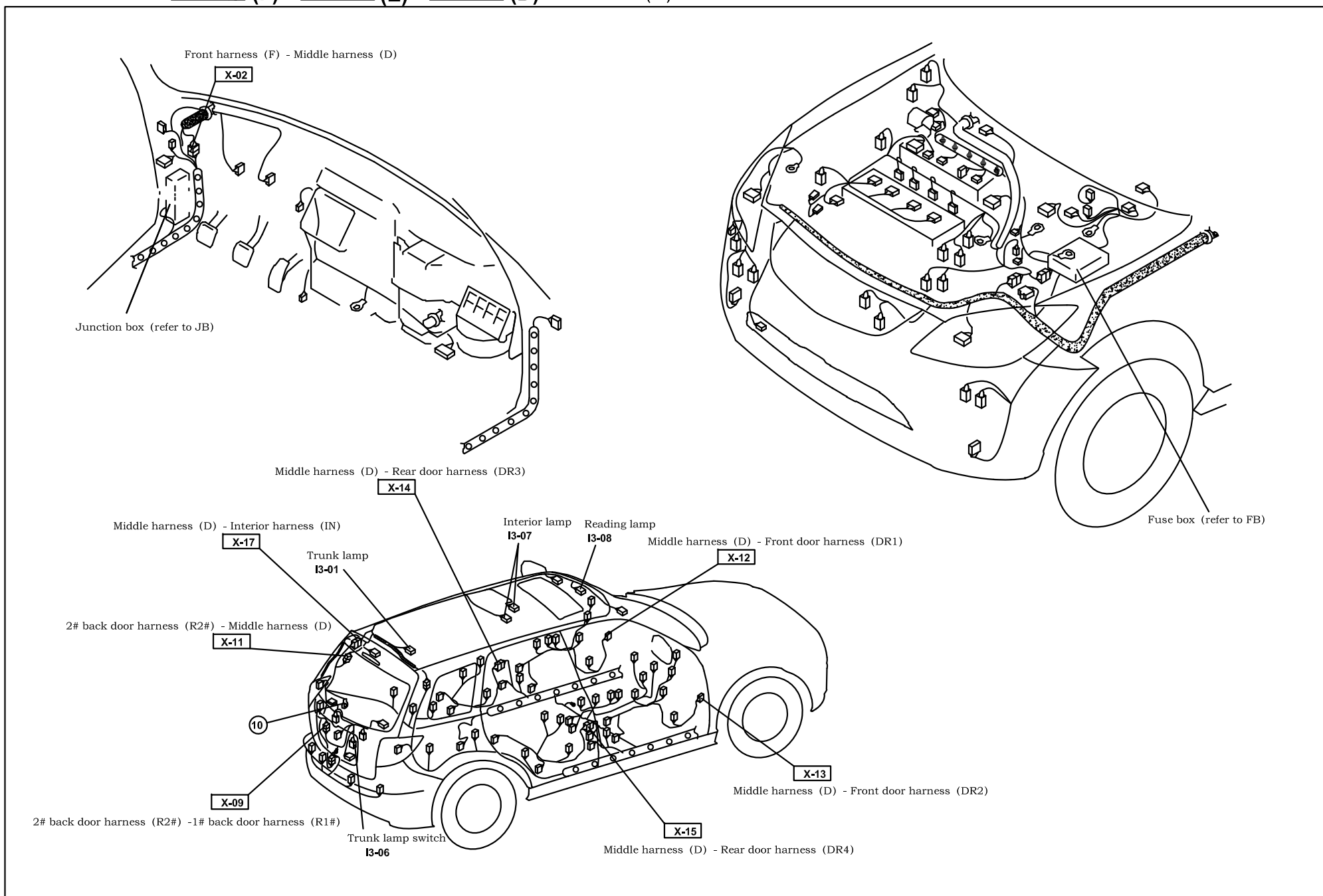
Harness mark:  (F)  (E)  (D)  (R)





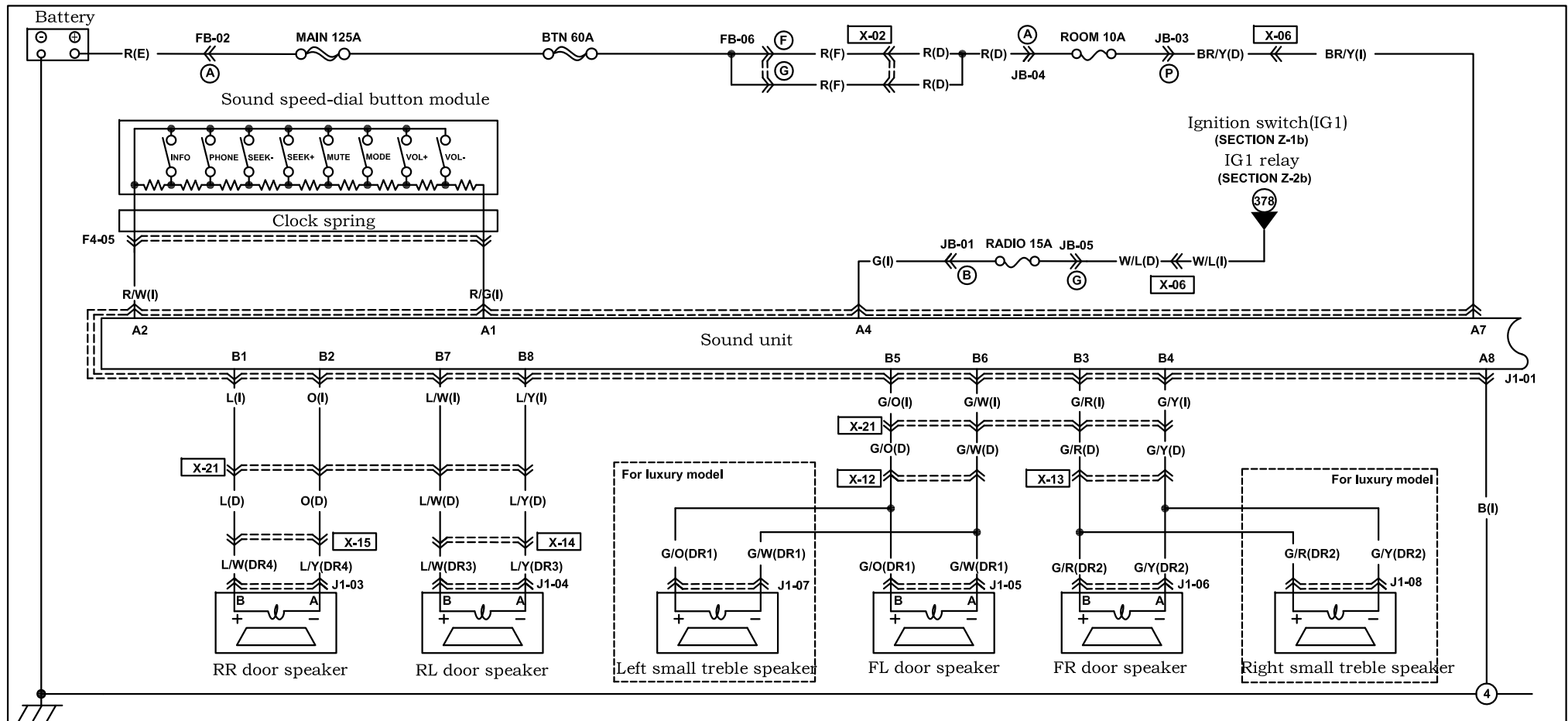
I3-01 Trunk lamp (IN) 	I3-06 Trunk lamp switch (R1#) 	I3-07 Interior lamp (IN) 				
I3-08 Reading lamp (IN) 						

Harness mark:  (F)  (E)  (D)  (R)

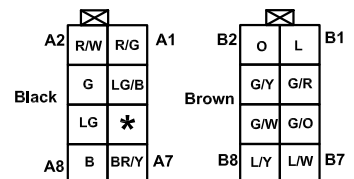
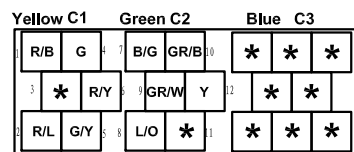


Sound system

J-1a



J1-01 Sound unit (I)



J1-03 RL door speaker(DR3)



J1-04 RR door speaker(DR4)



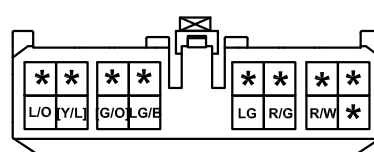
J1-05 FL door speaker(DR1)

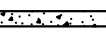
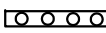
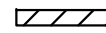


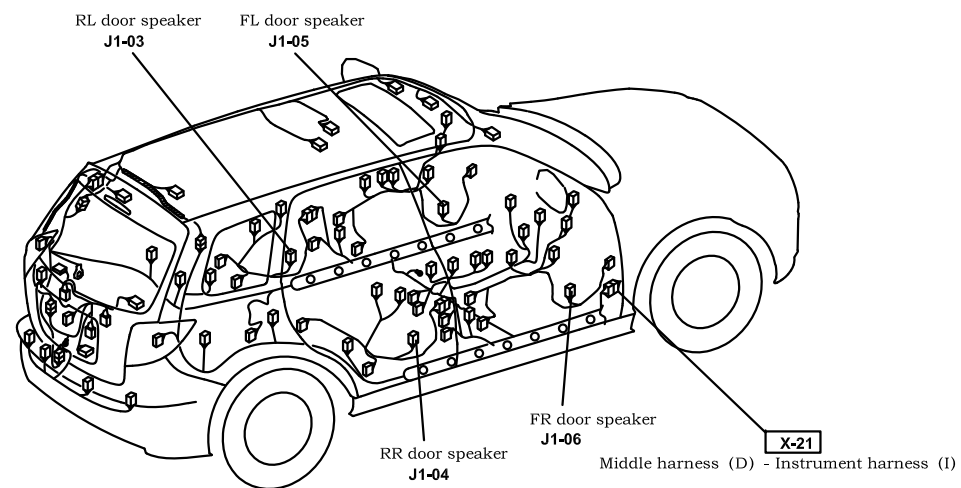
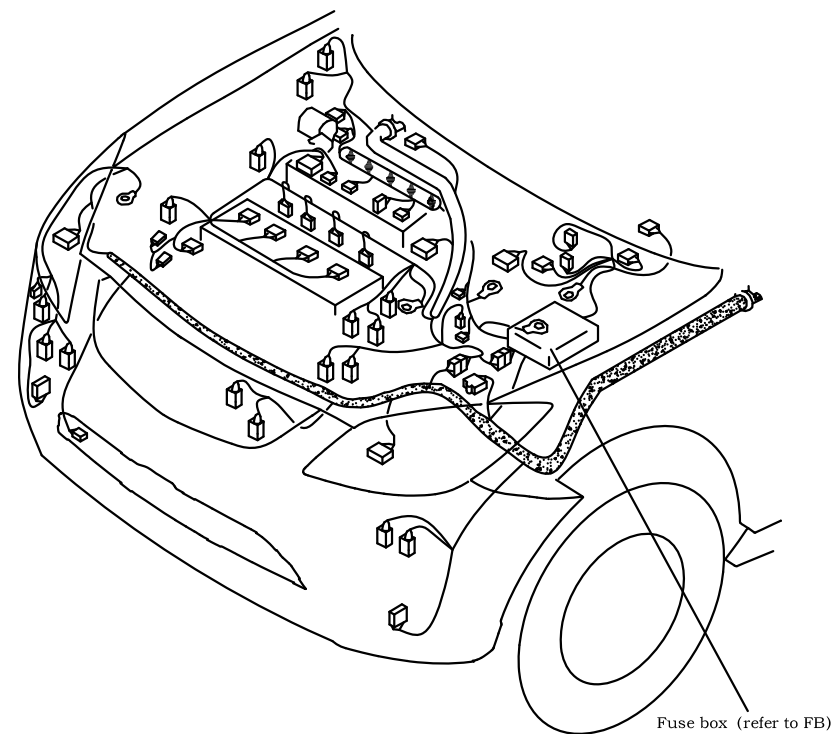
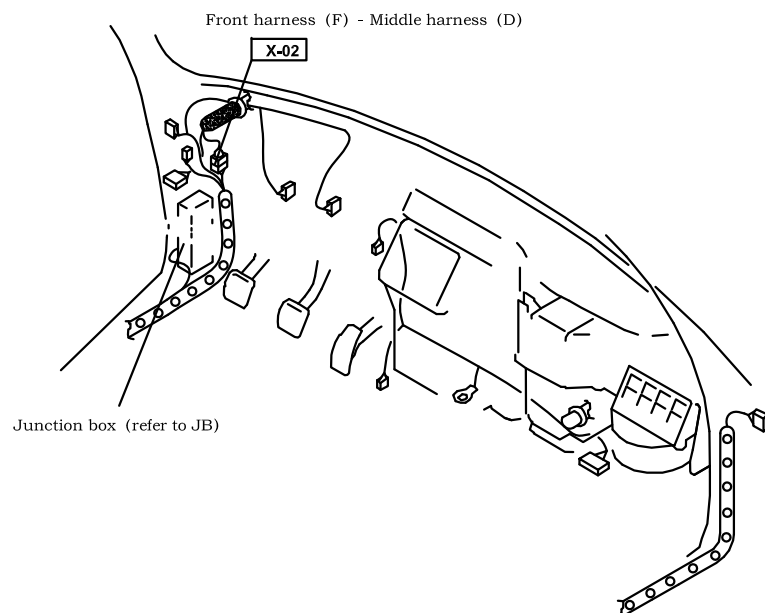
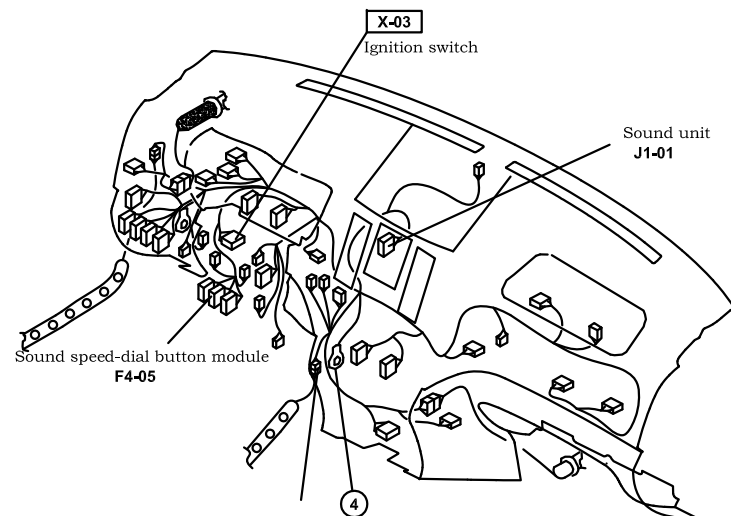
J1-06 FR door speaker (DR2)

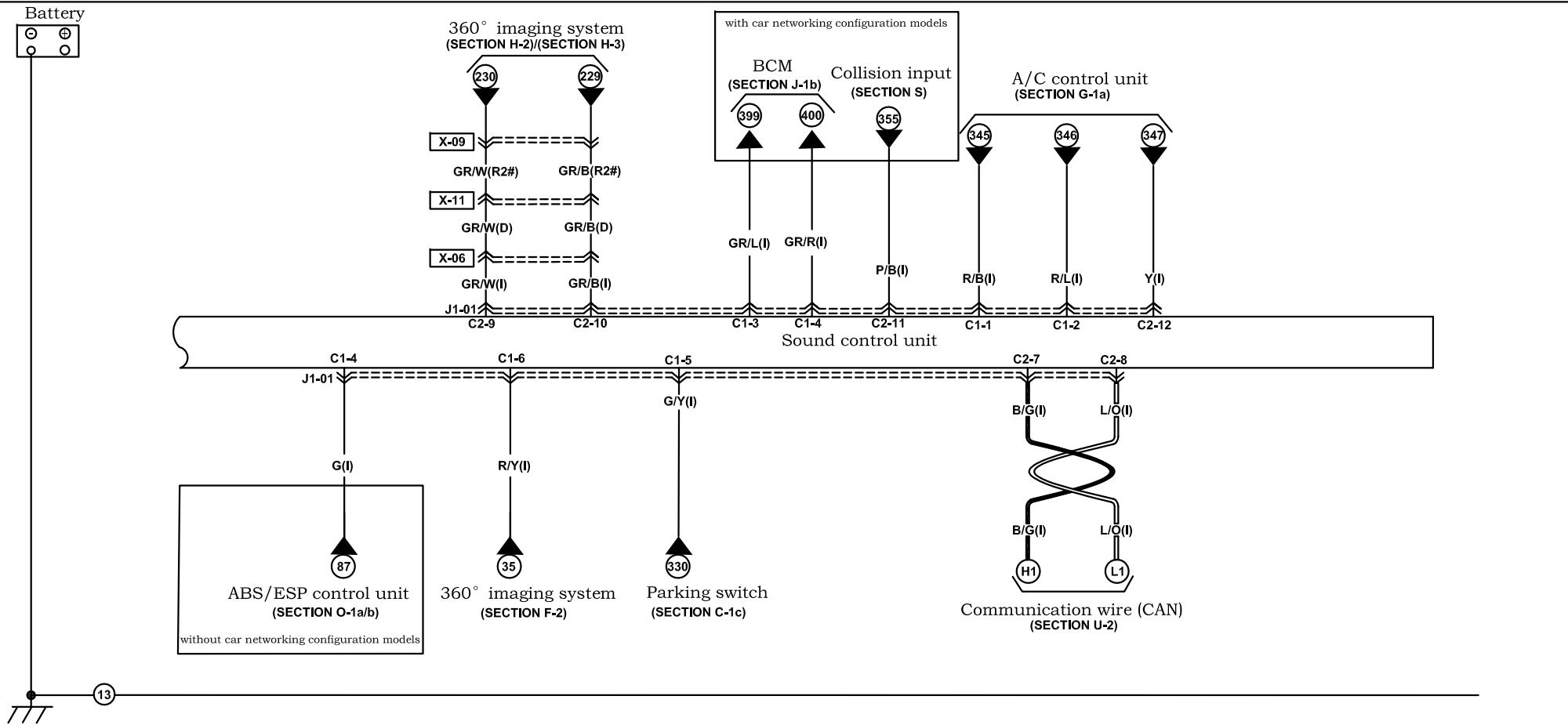


F4-05 Sound speed-dial button module (I) [] with cruise



Harness mark:  (F)  (E)  (D)  (R)

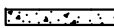
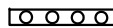
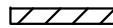


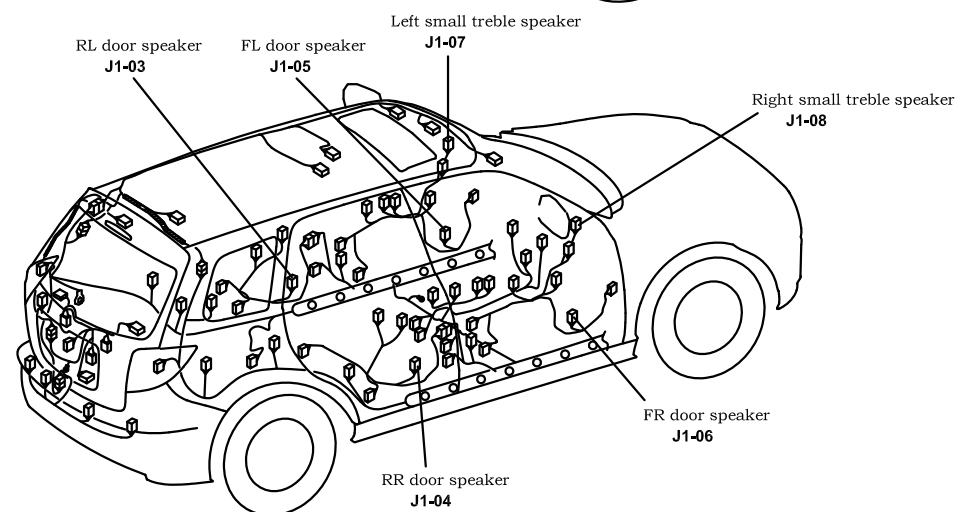
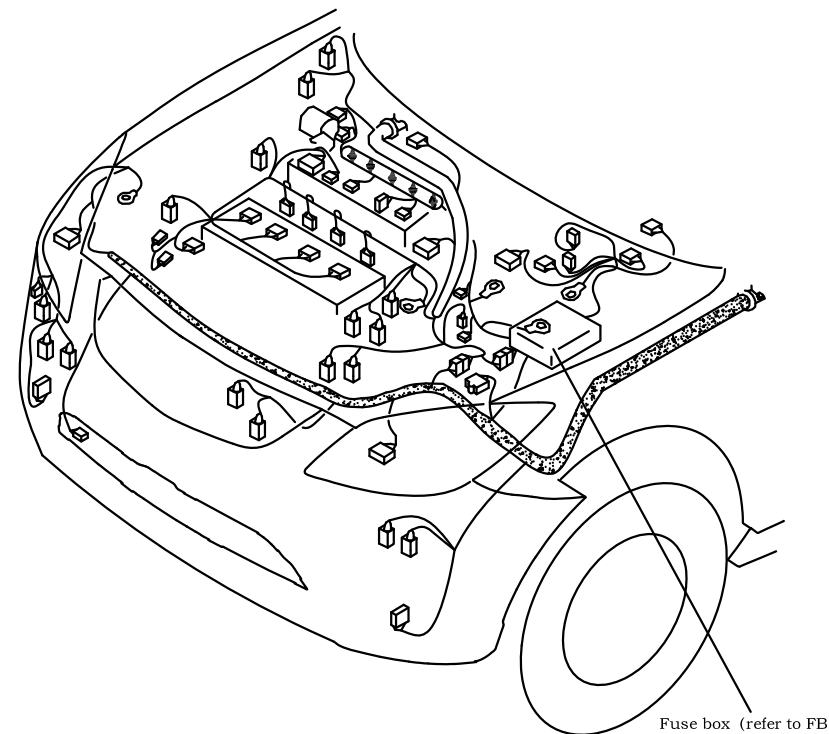
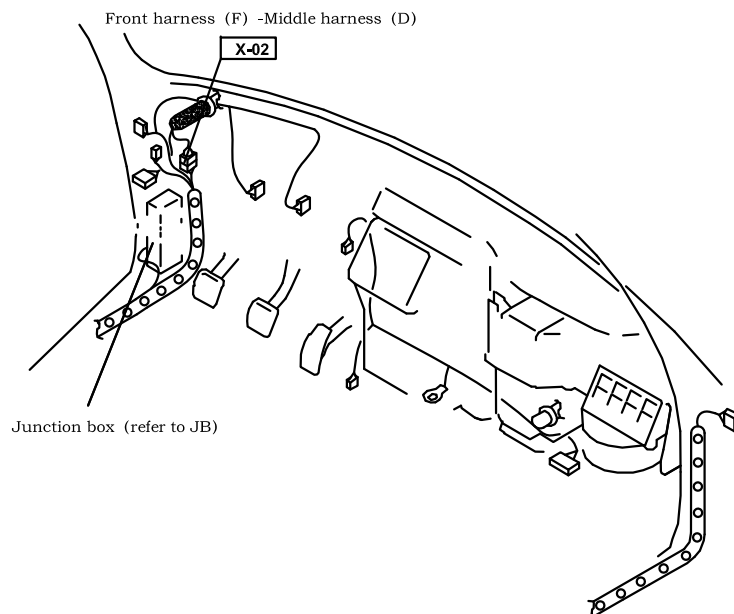
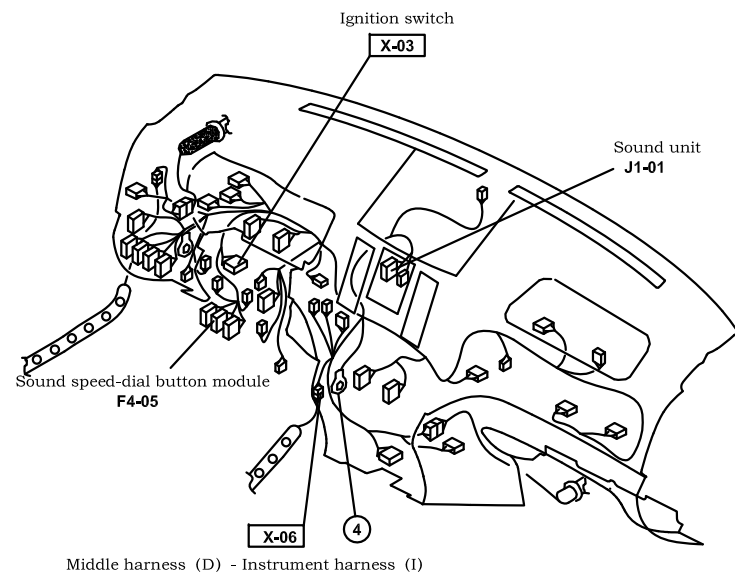


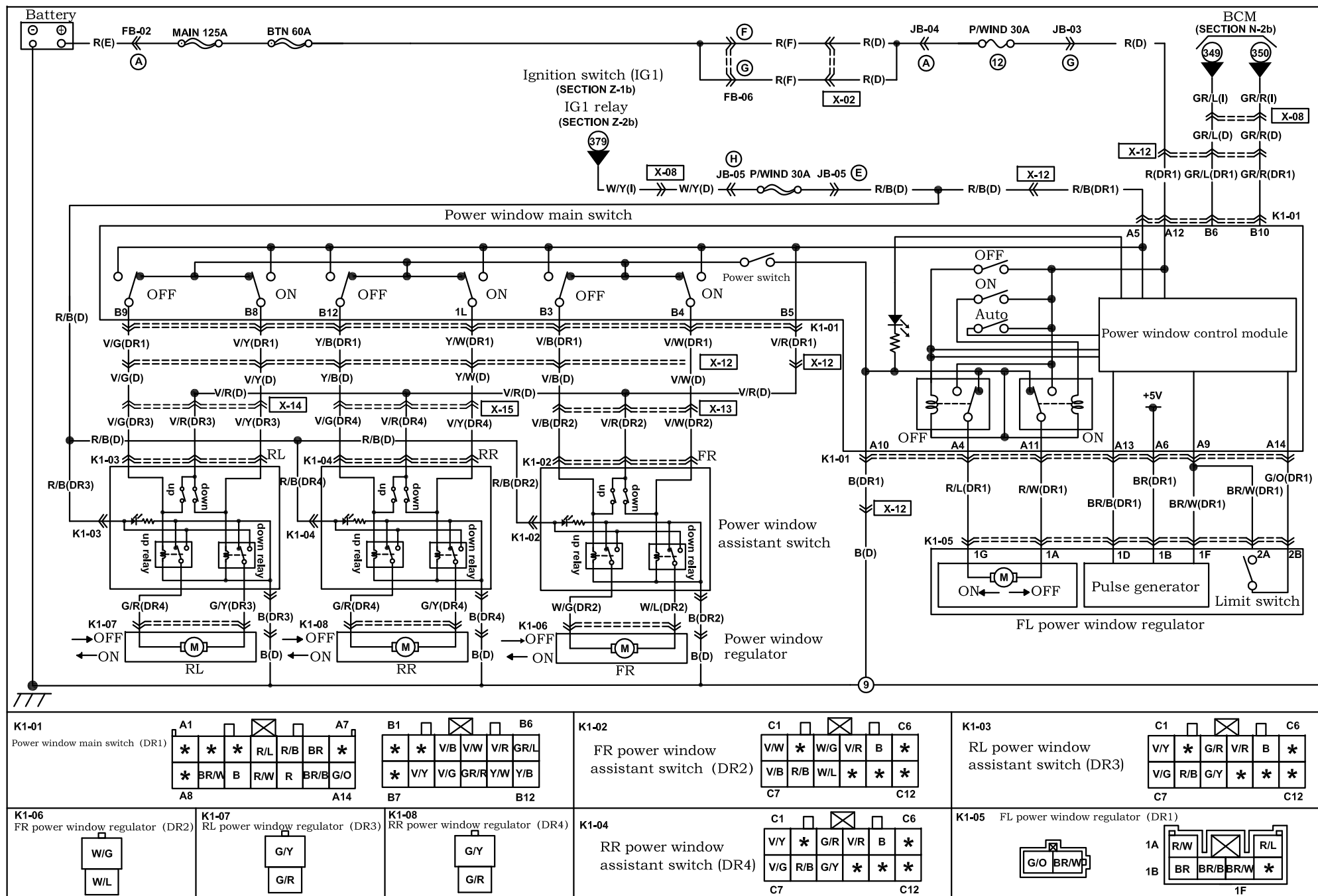
J1-01 Sound control unit (I) with car networking configuration models

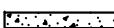
Yellow C1				Green C2				Blue C3			
1	R/B	1	IGR/R	7	B/G	7	GR/B	1	*	*	*
2	IGR/L	2	R/Y	8	IGR/W	8	Y	2	*	*	*
3	R/L	3	G/Y	9	L/O	9	!P/B	3	*	*	*

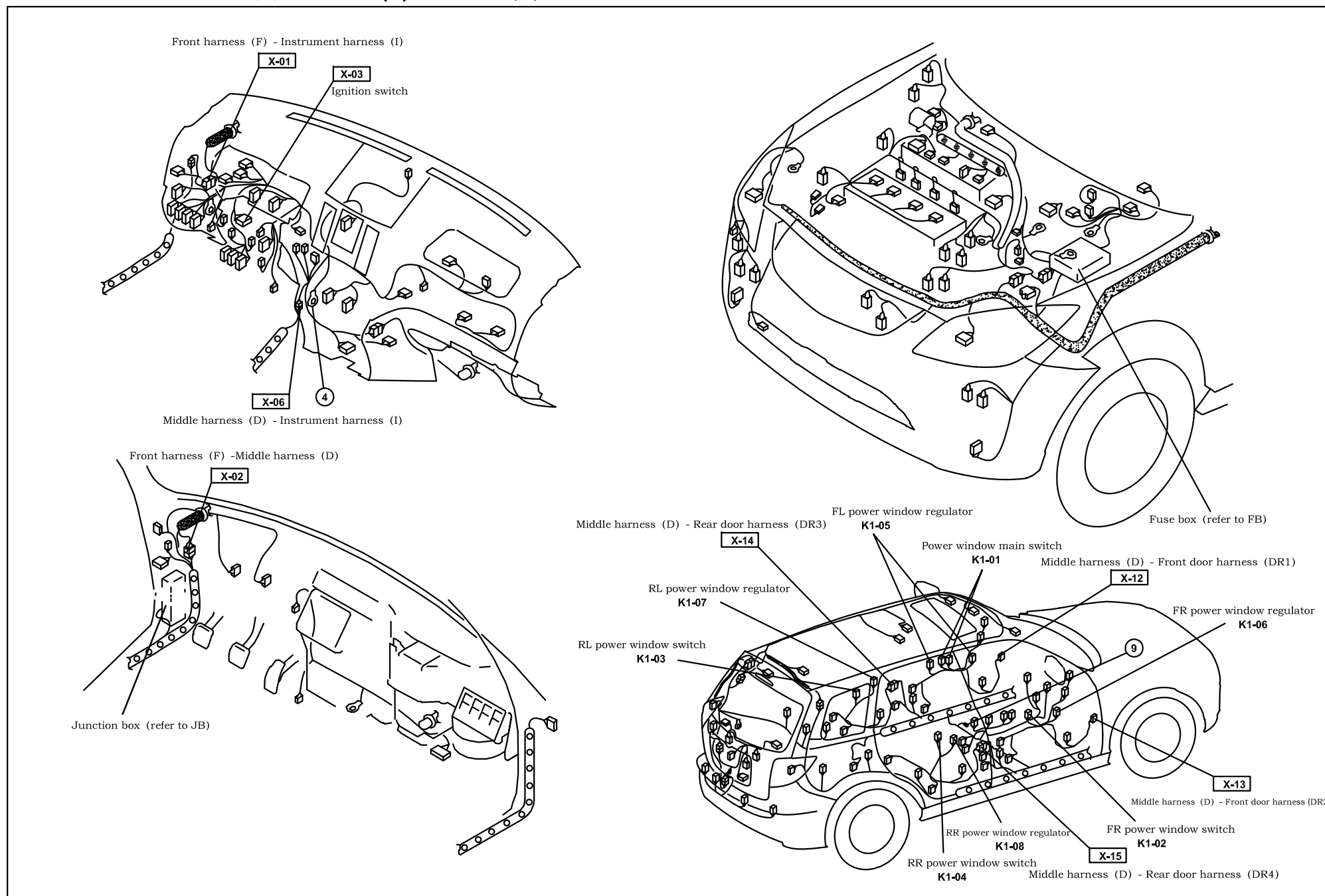
Black				Brown			
A2	R/W	A2	R/G	B2	O	B2	L
A1	G	A1	LG/B	B1	G/Y	B1	G/R
	LG		*		G/W		G/O
A8	B	A8	BR/Y	B8	L/Y	B8	L/W
A7		A7		B7		B7	

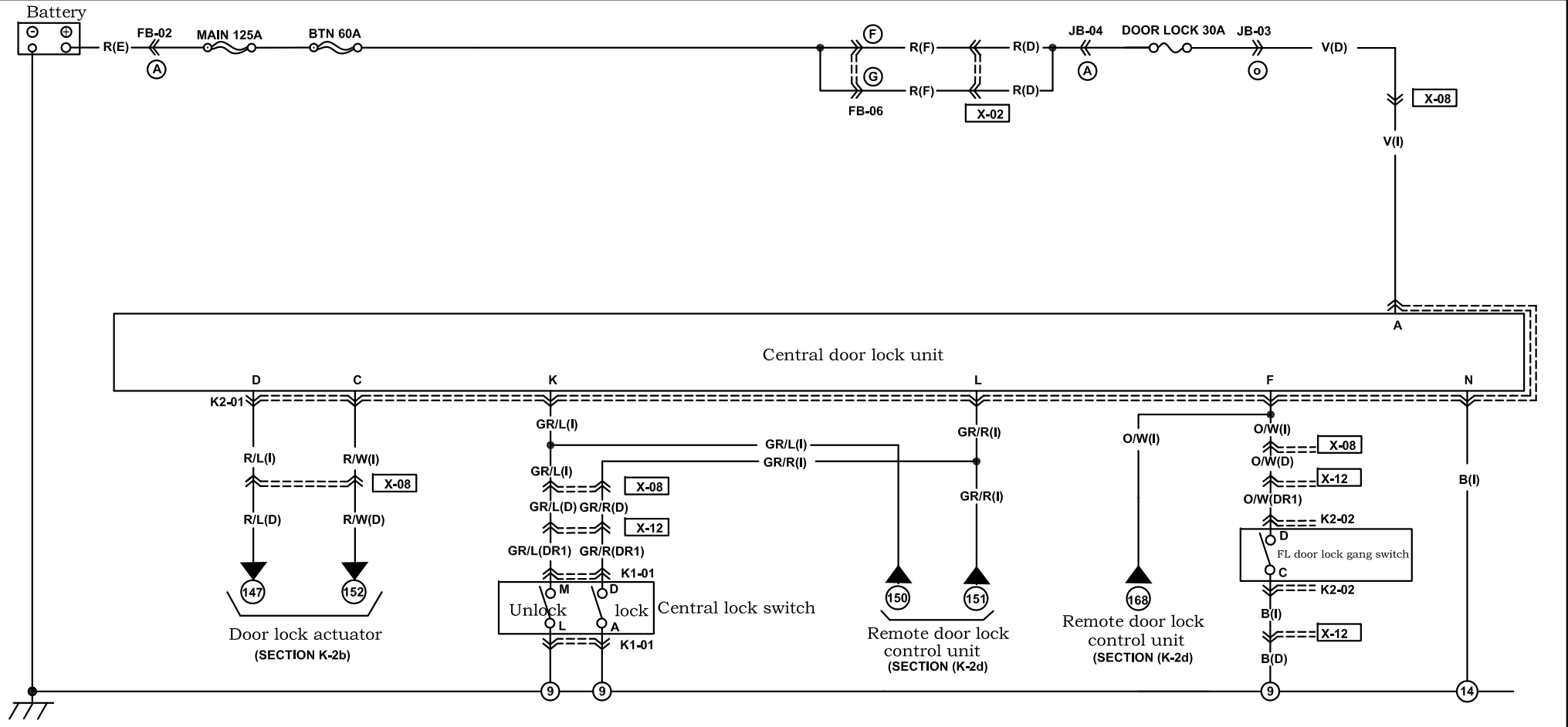
Harness mark:  (F)  (E)  (D)  (R)



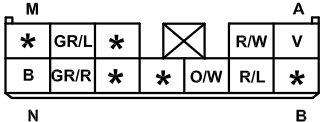


Harness mark:  (F)  (E)  (D)  (R)

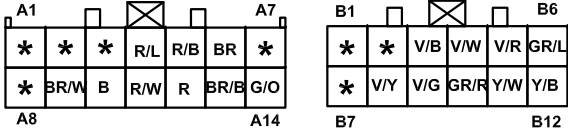




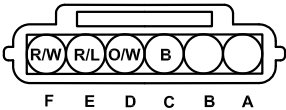
K2-01 Central door lock unit (D)



K1-01 Power window main switch (DR1)

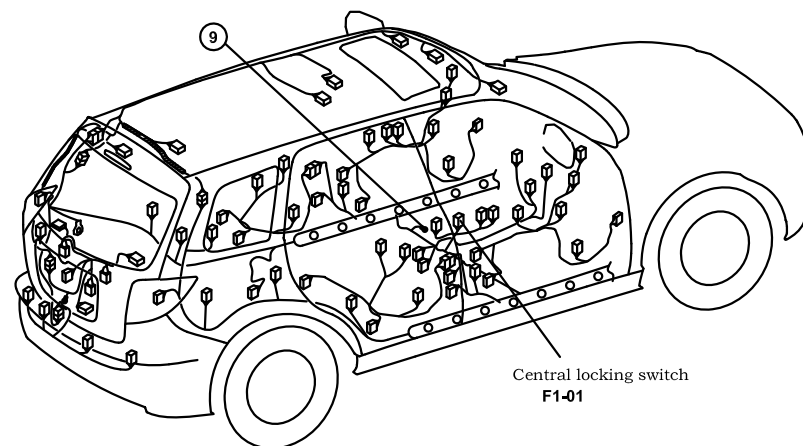
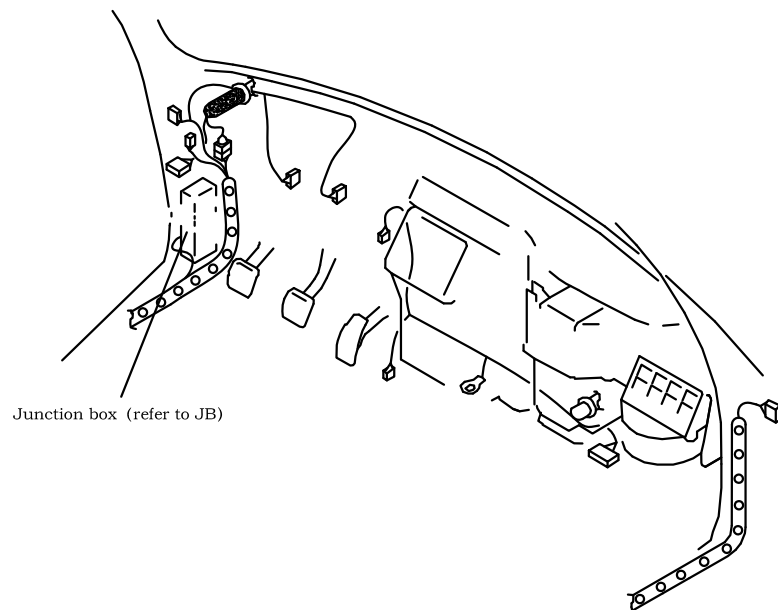
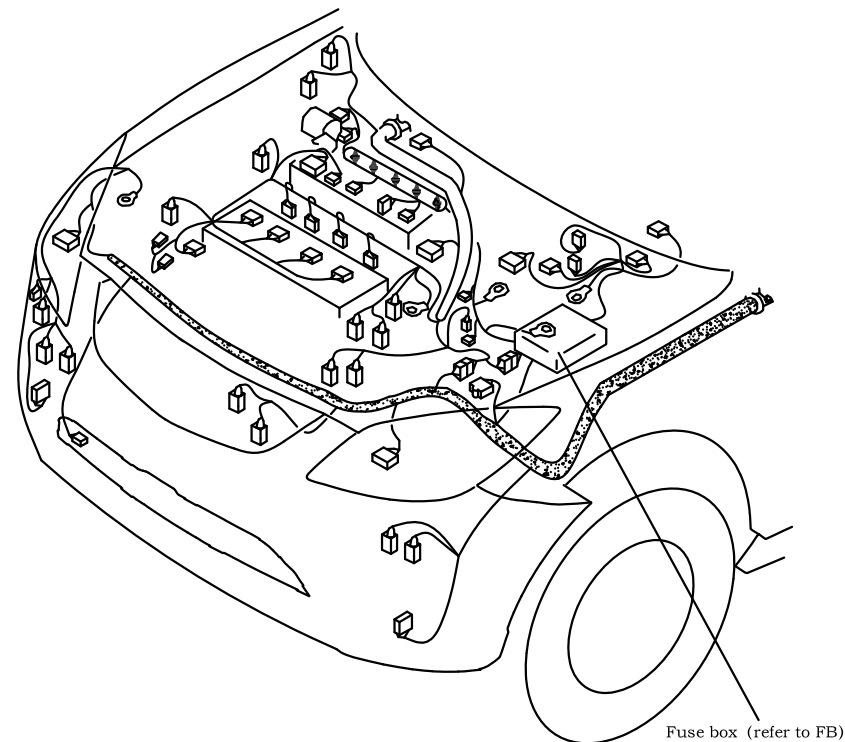
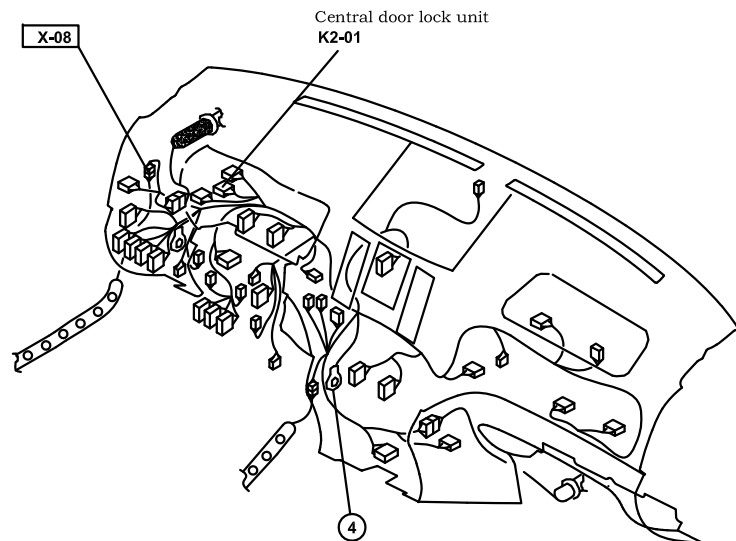


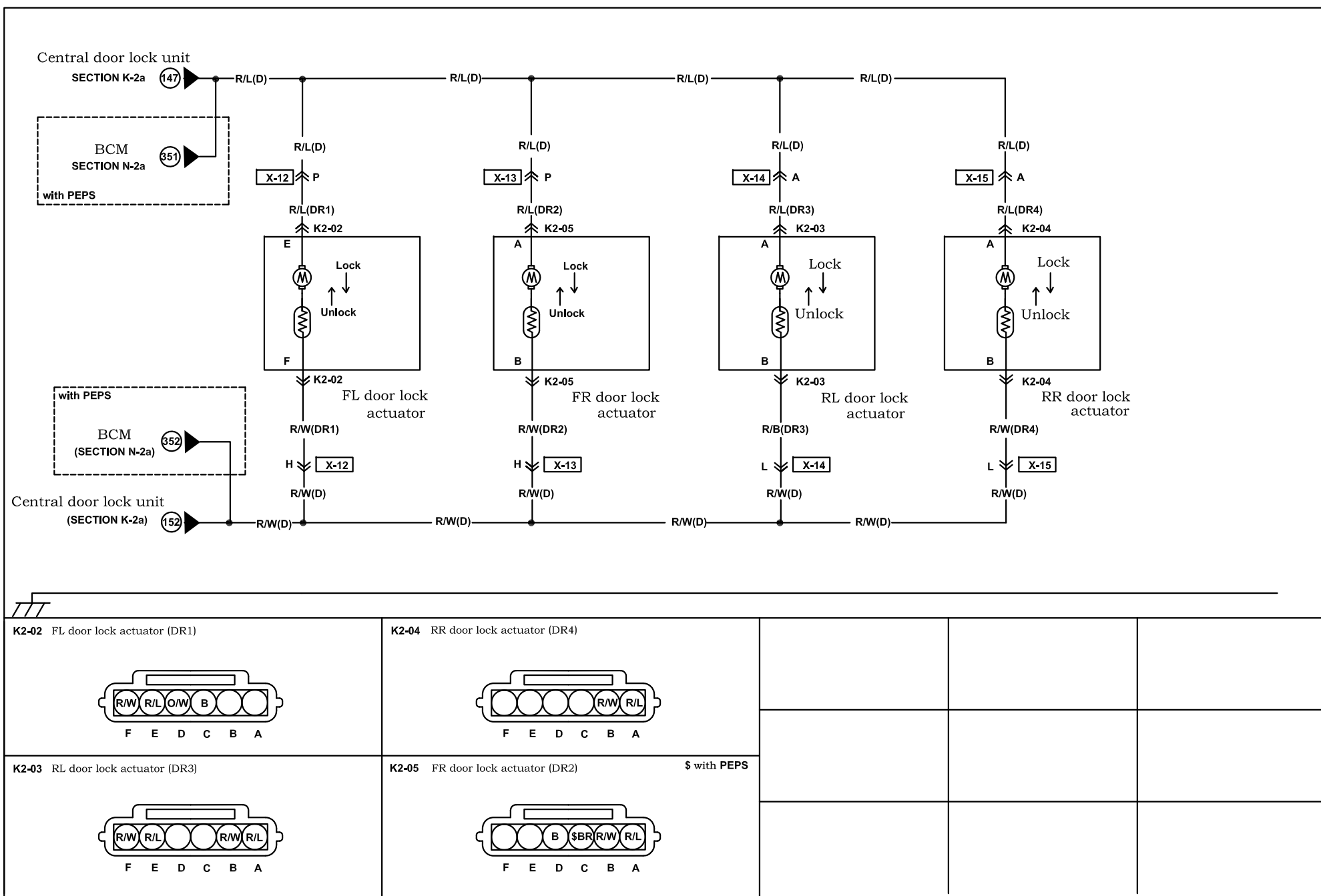
K2-02 FL door lock actuator (DR1)

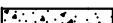
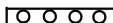


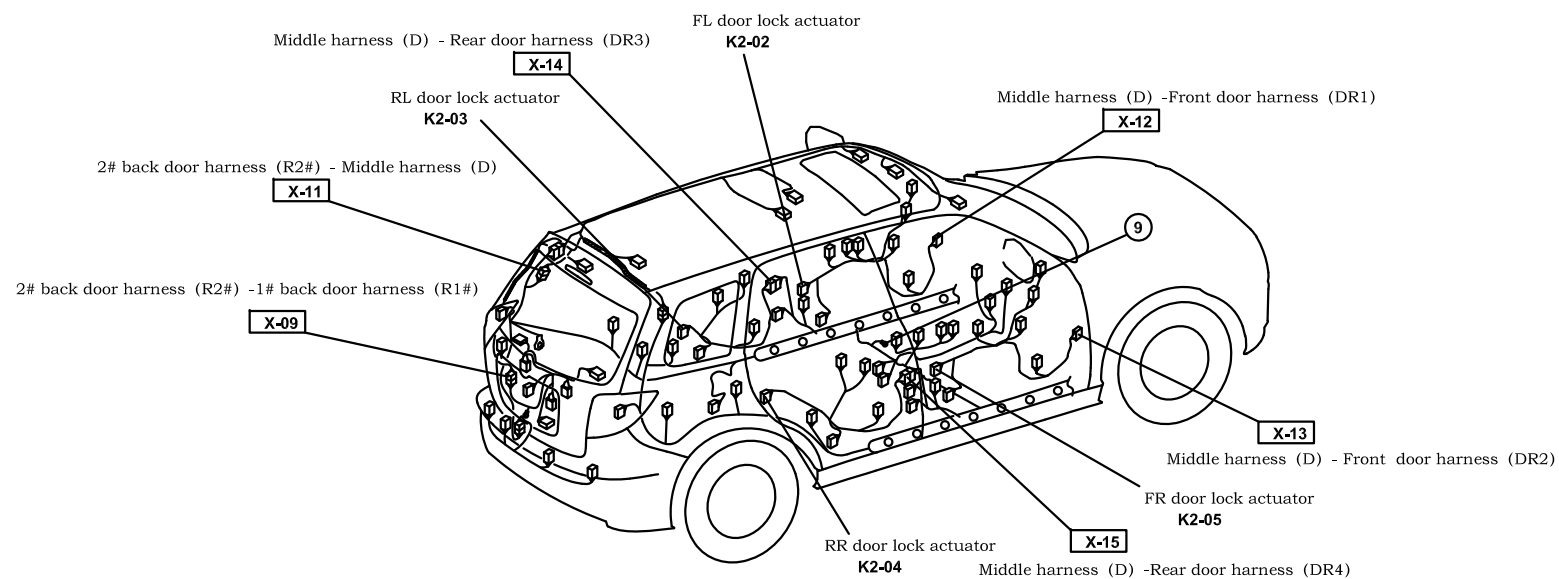
Harness mark:  (F)  (E)  (D)  (R)

Middle harness (D) - Instrument harness (I)



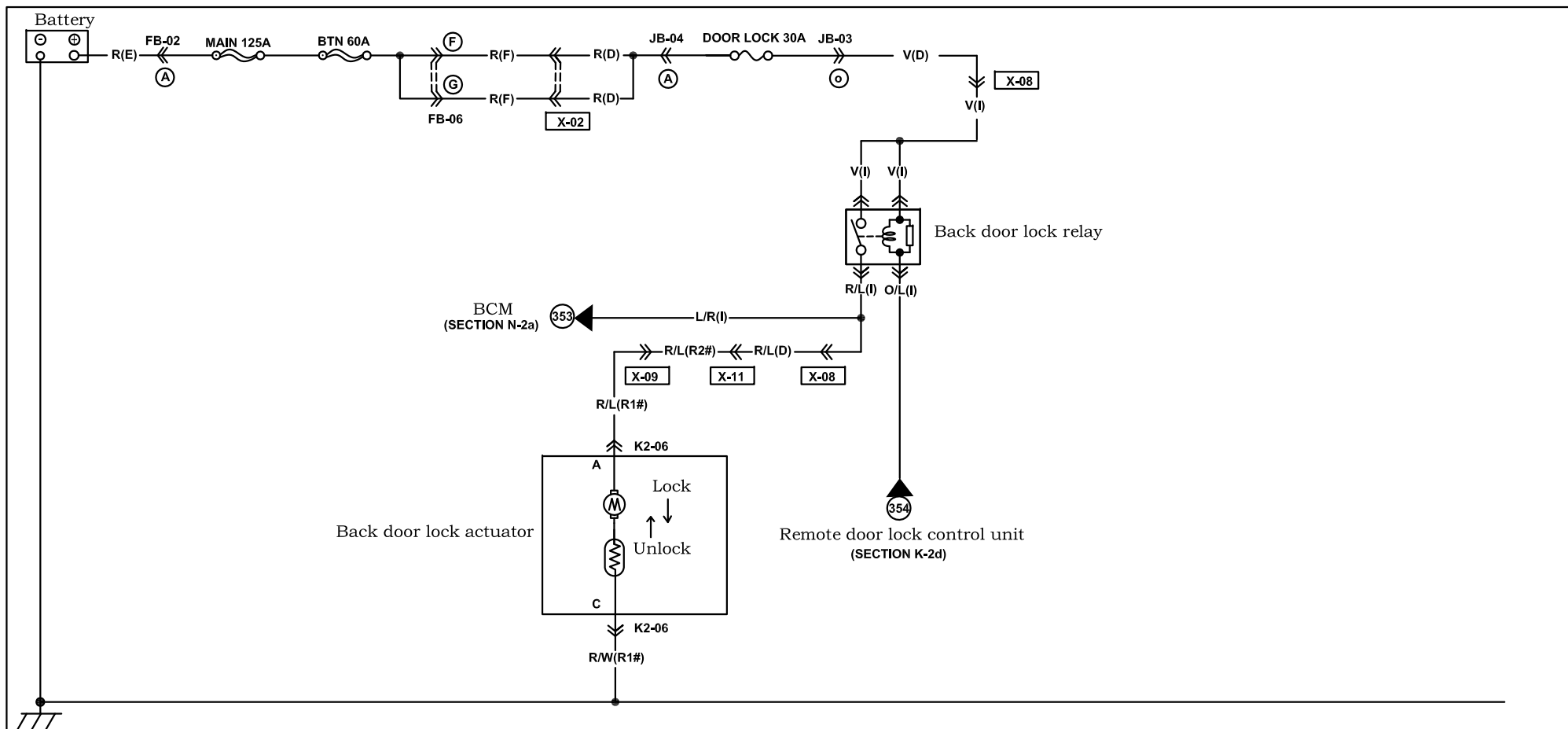


Harness mark:  (F)  (E)  (D)  (R)

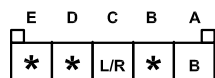


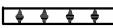
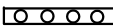
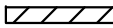
Remote and central door lock system

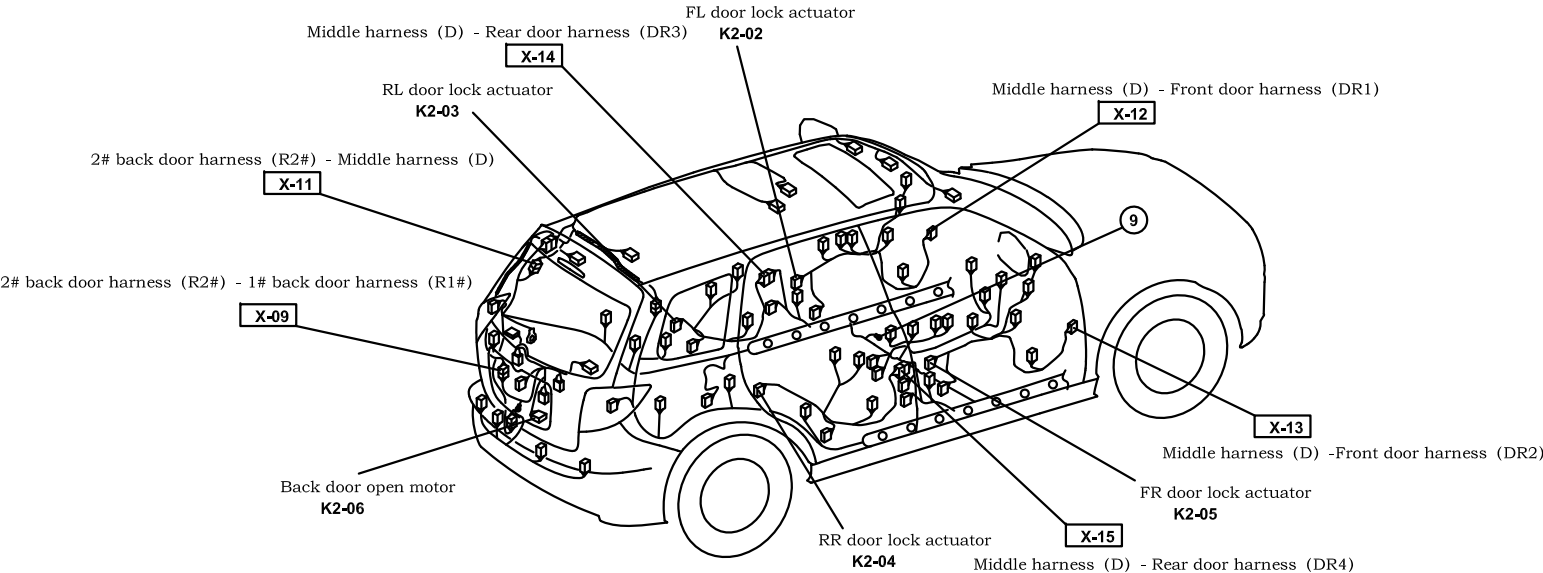
K-2c

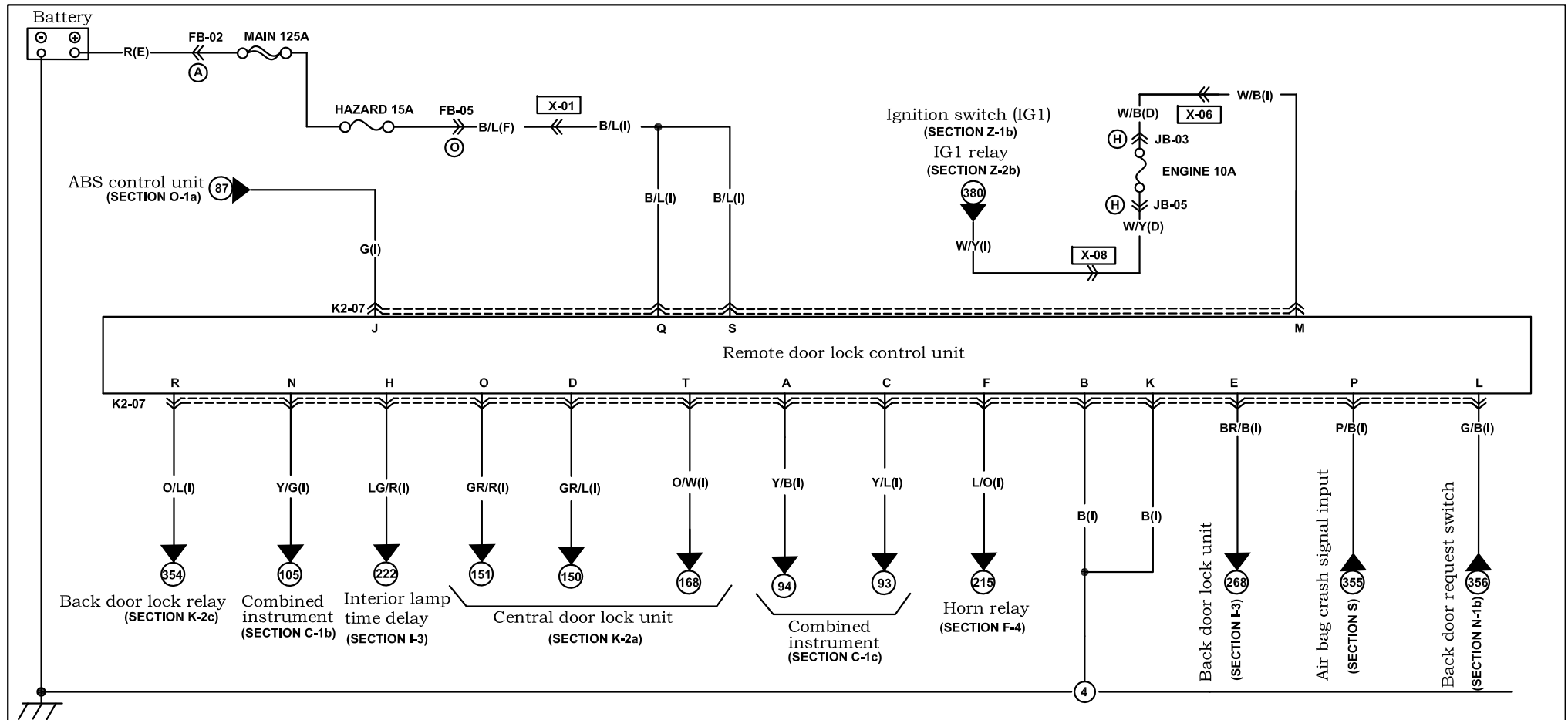


K2-06 Back door open motor (R1#)



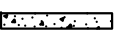
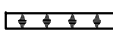
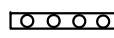
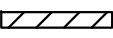
Harness mark:  (F)  (E)  (D)  (R)

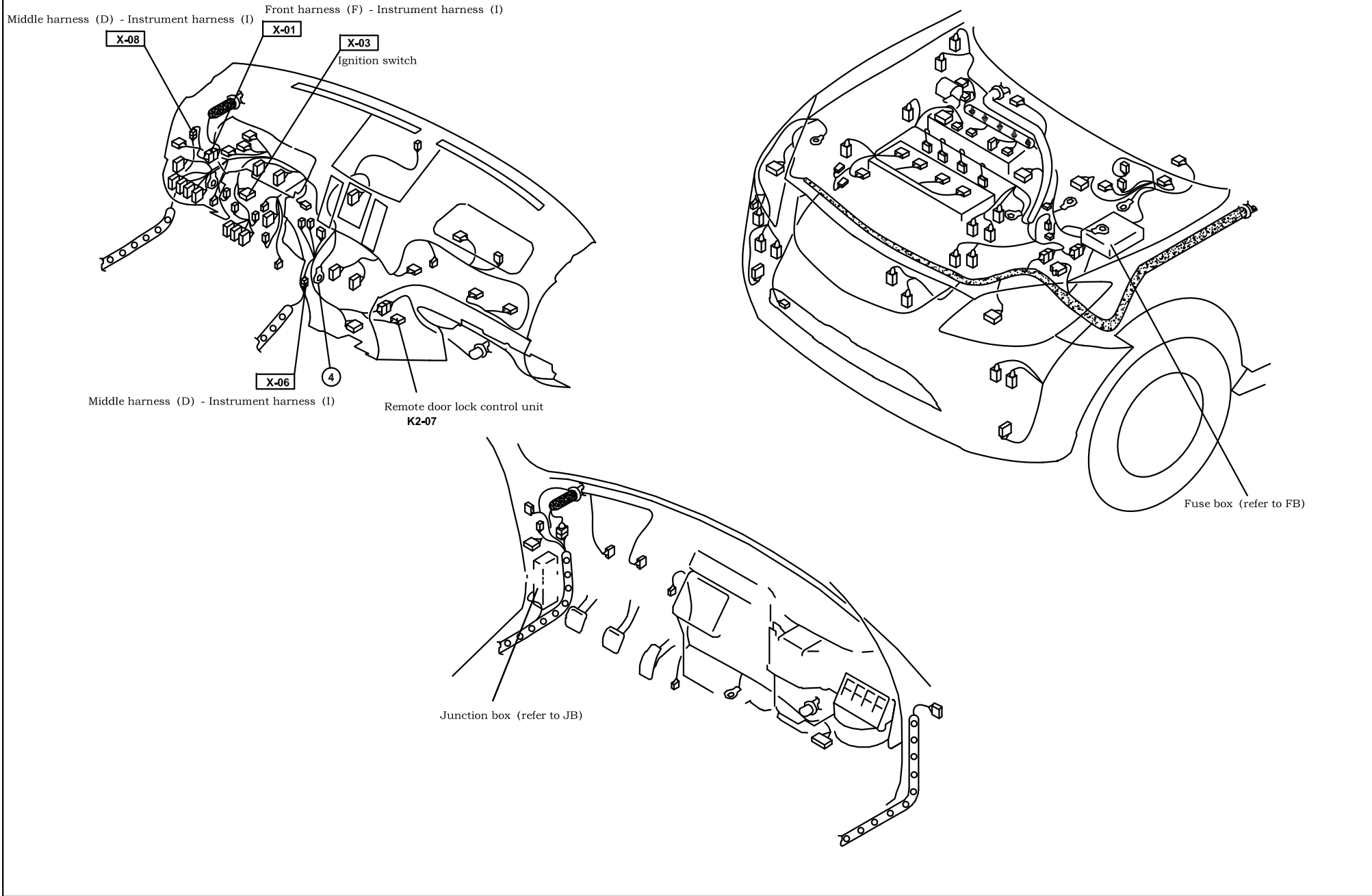




K2-07 Remote door lock control unit (I)

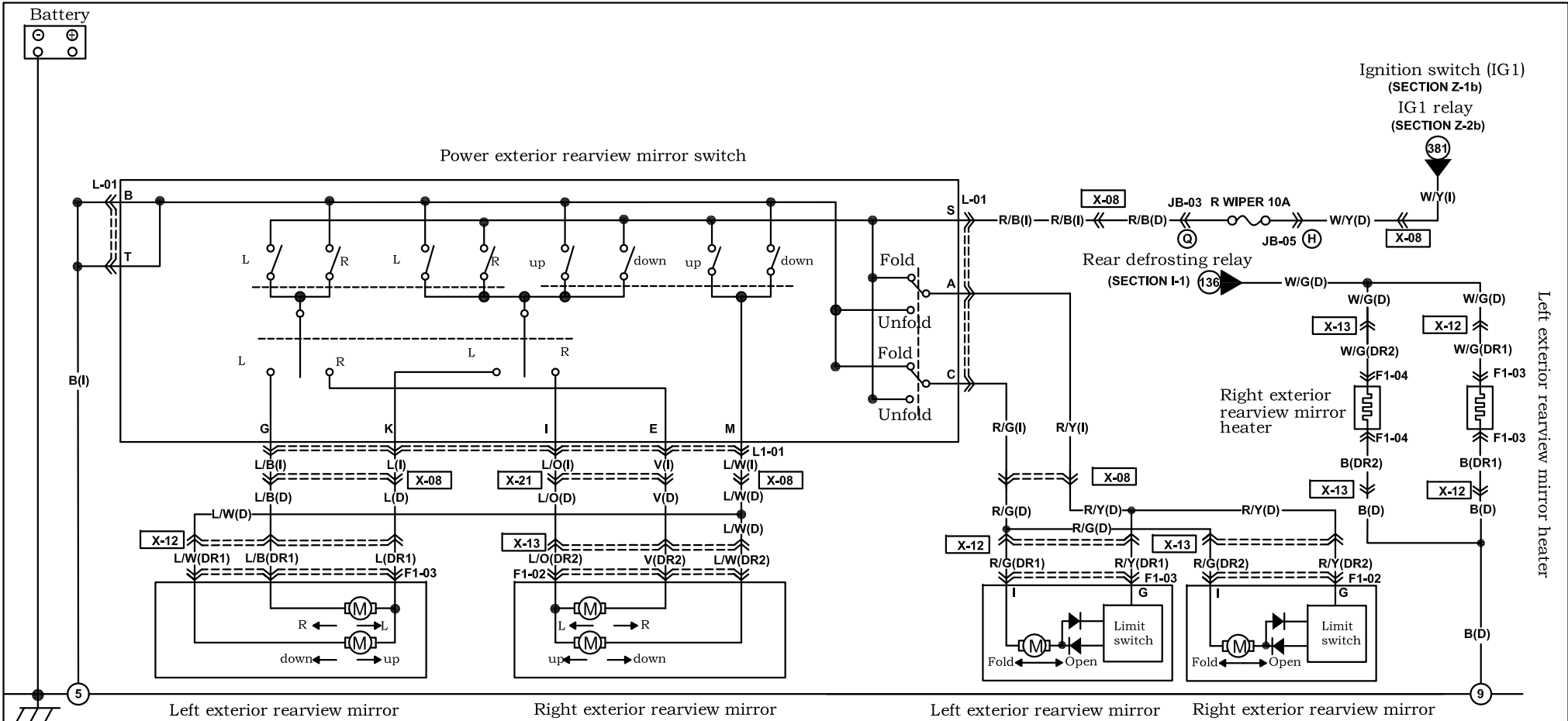
S	Q	O	M	K	I	G	E	C	A
B/L	B/L	GR/R	W/B	B	*	*	BR/B	Y/L	Y/B
O/W	O/L	P/B	Y/G	G/B	G	LG/R	L/O	GR/L	B
T	R	P	N	L	J	H	F	D	B

Harness mark:  (F)  (E)  (D)  (R)

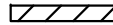


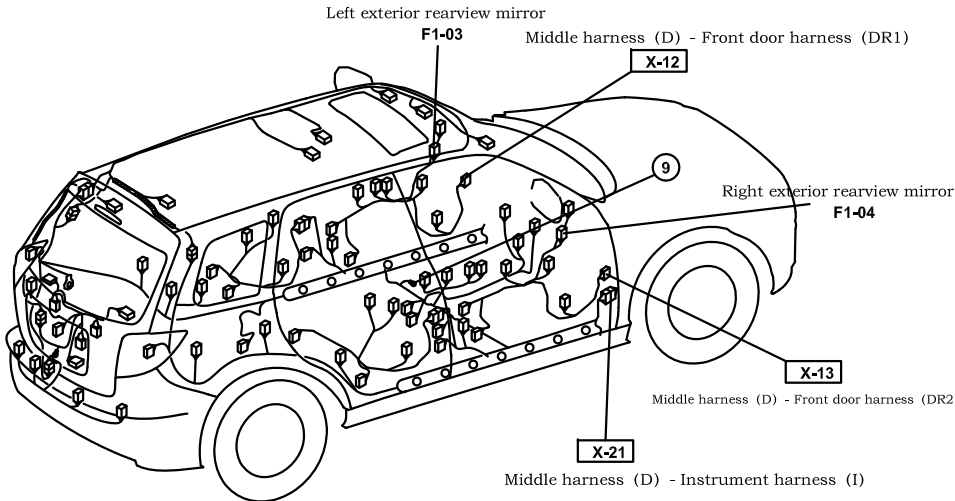
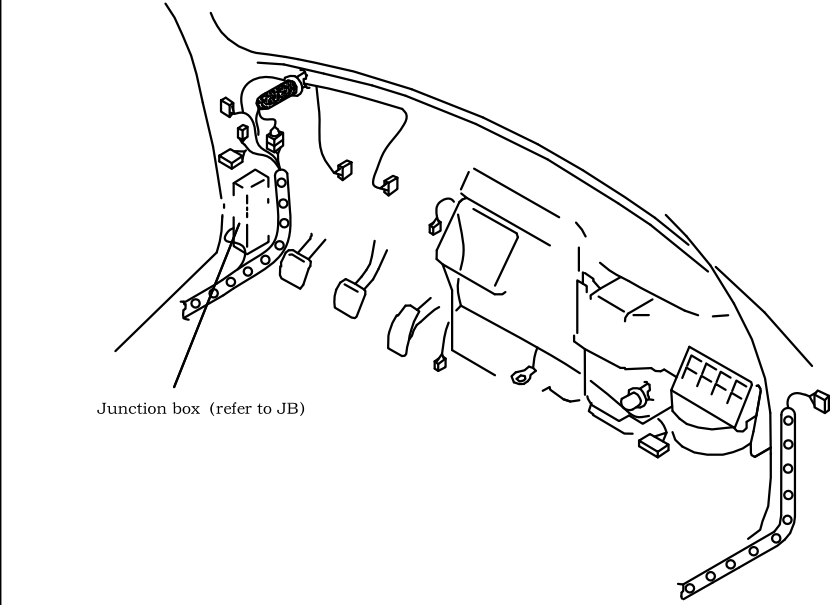
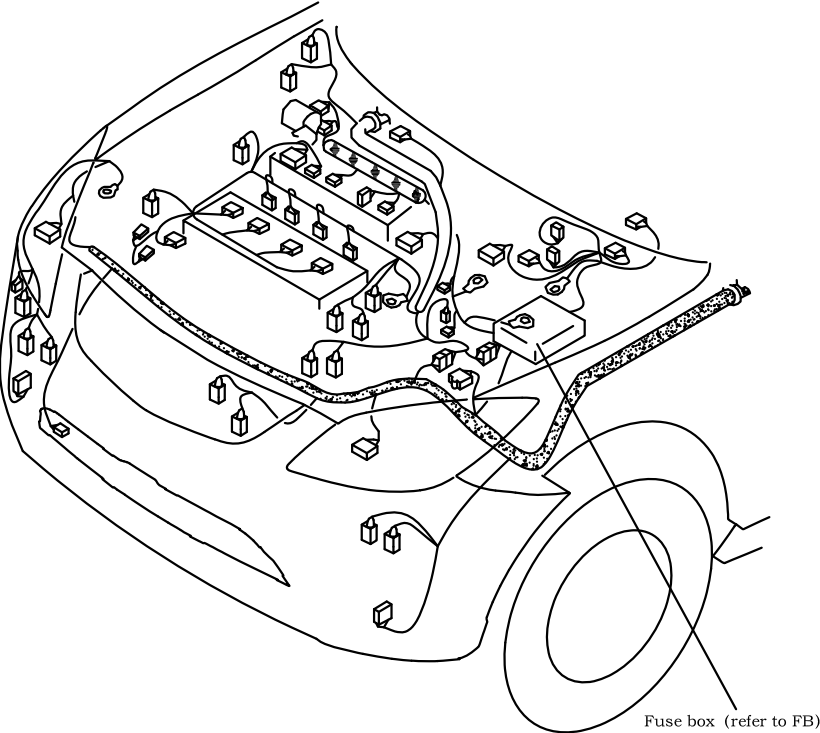
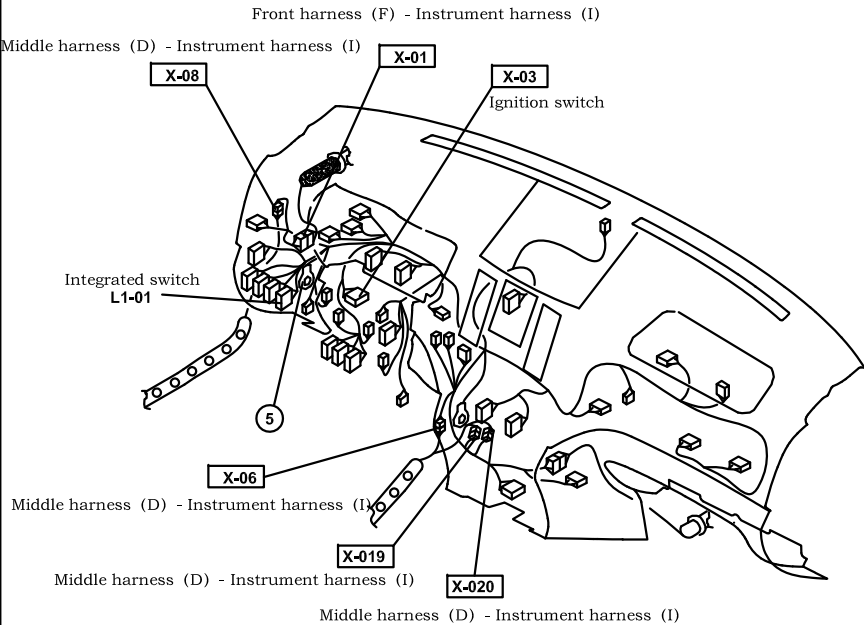
Exterior rearview mirror heater / Power exterior rearview mirror

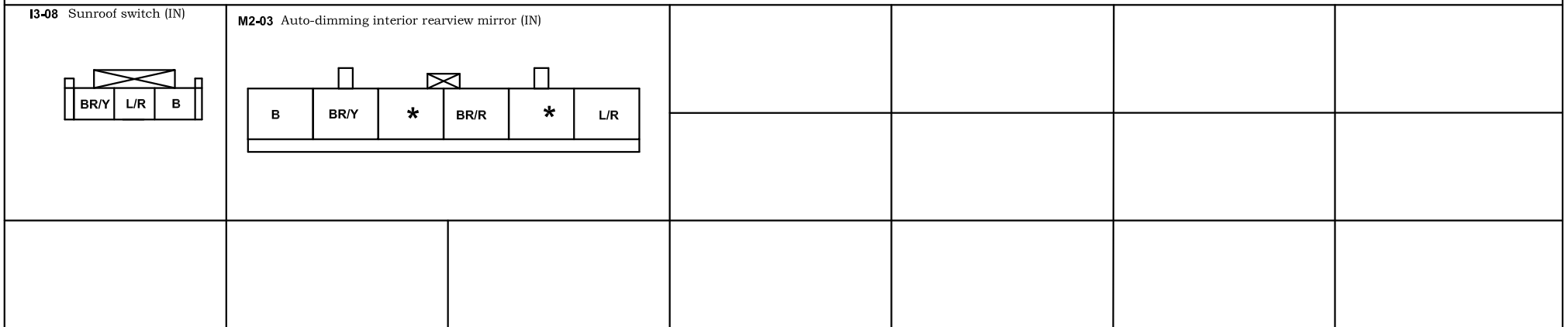
L

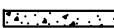
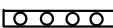


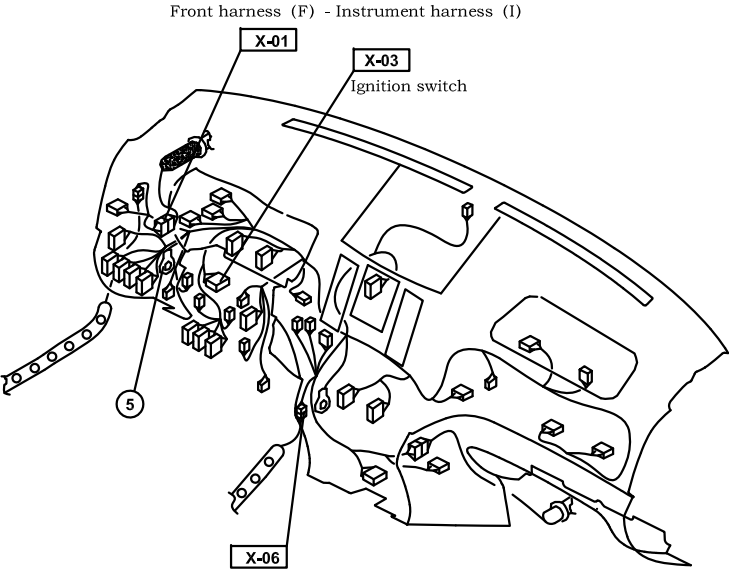
L-01 Integrated switch (I) & with start-stop system <table><tr><td>S</td><td>Q</td><td>O</td><td>M</td><td>K</td><td>I</td><td>G</td><td>E</td><td>C</td><td>A</td></tr><tr><td>R/B</td><td>LG</td><td>LG/B</td><td>L/W</td><td>L</td><td>L/O</td><td>L/B</td><td>V</td><td>R/G</td><td>R/Y</td></tr><tr><td>B</td><td>P</td><td>G/B</td><td>* &P/L</td><td>W</td><td>*</td><td>*</td><td>*</td><td>*</td><td>B</td></tr><tr><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>	S	Q	O	M	K	I	G	E	C	A	R/B	LG	LG/B	L/W	L	L/O	L/B	V	R/G	R/Y	B	P	G/B	* &P/L	W	*	*	*	*	B	T	R	P	N	L	J	H	F	D	B	F1-03 Left exterior rearview mirror (DR1) <table><tr><td>A</td><td>*</td><td>Y/L</td><td>W/G</td><td>R/Y</td><td>R/G</td><td>I</td></tr><tr><td>B</td><td>*</td><td>L</td><td>L/W</td><td>L/B</td><td>B</td><td>J</td></tr></table>	A	*	Y/L	W/G	R/Y	R/G	I	B	*	L	L/W	L/B	B	J	F1-04 Left exterior rearview mirror (DR2) <table><tr><td>A</td><td>*</td><td>Y/B</td><td>W/G</td><td>R/Y</td><td>R/G</td><td>I</td></tr><tr><td>B</td><td>*</td><td>L/O</td><td>L/W</td><td>V</td><td>B</td><td>J</td></tr></table>	A	*	Y/B	W/G	R/Y	R/G	I	B	*	L/O	L/W	V	B	J	
S	Q	O	M	K	I	G	E	C	A																																																														
R/B	LG	LG/B	L/W	L	L/O	L/B	V	R/G	R/Y																																																														
B	P	G/B	* &P/L	W	*	*	*	*	B																																																														
T	R	P	N	L	J	H	F	D	B																																																														
A	*	Y/L	W/G	R/Y	R/G	I																																																																	
B	*	L	L/W	L/B	B	J																																																																	
A	*	Y/B	W/G	R/Y	R/G	I																																																																	
B	*	L/O	L/W	V	B	J																																																																	

Harness mark:  (F)  (E)  (D)  (R)

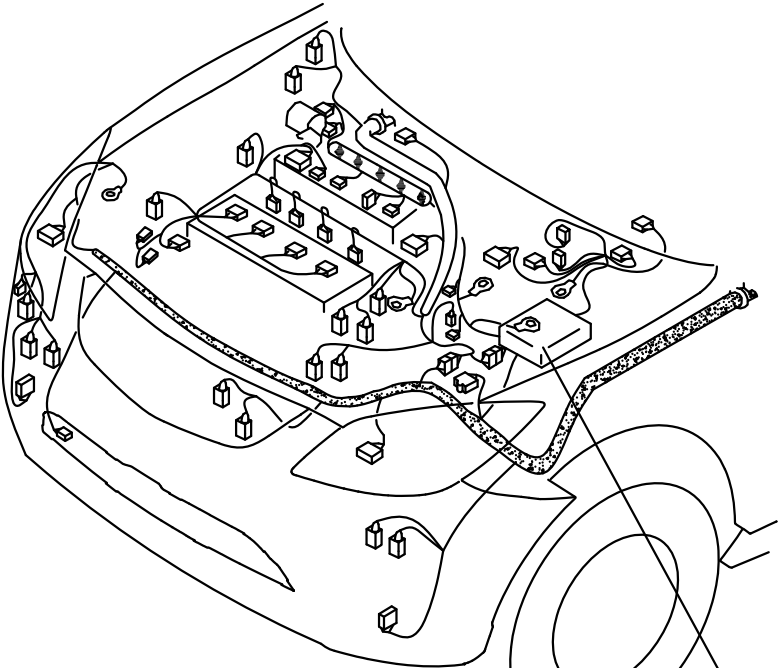




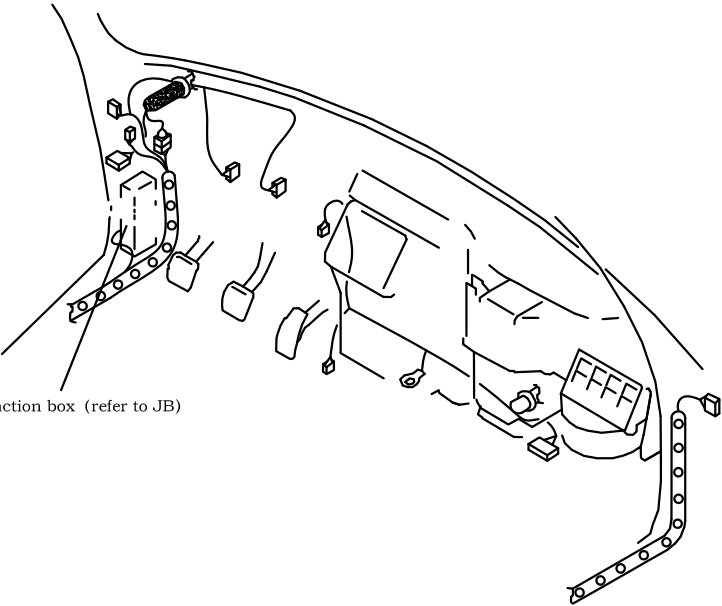
Harness mark:  (F)  (E)  (D)  (R)



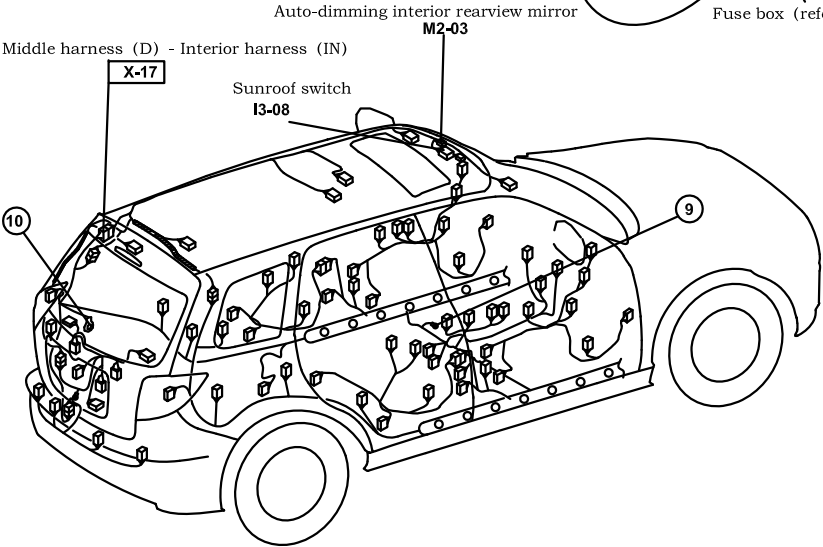
Middle harness (D) - Instrument harness (I)

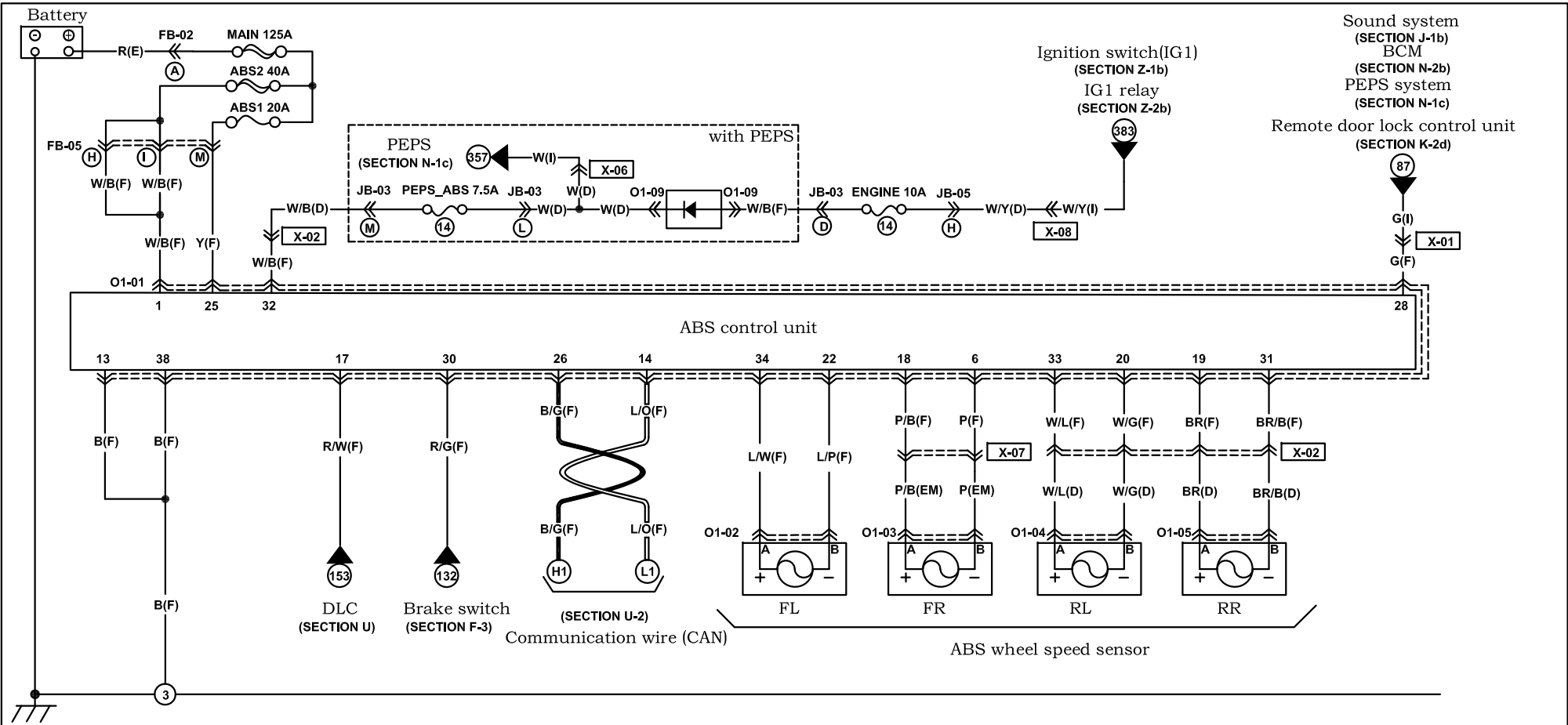


Fuse box (refer to FB)

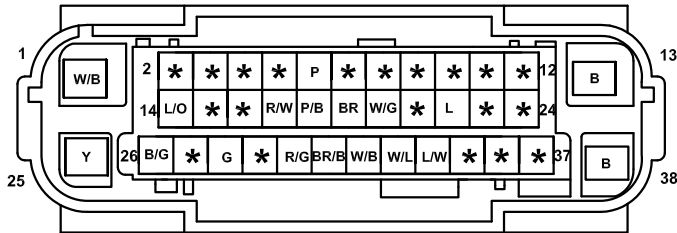


Junction box (refer to JB)





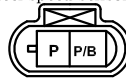
O1-01 ABS control unit (F)



O1-02 ABS wheel speed sensor FL (EM)



O1-03 ABS wheel speed sensor FR (EM)



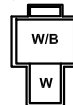
O1-04 ABS wheel speed sensor RL (D)

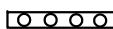
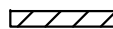


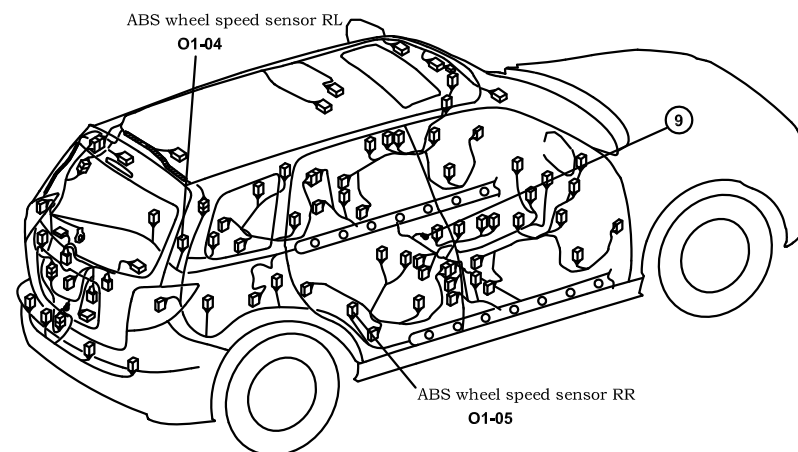
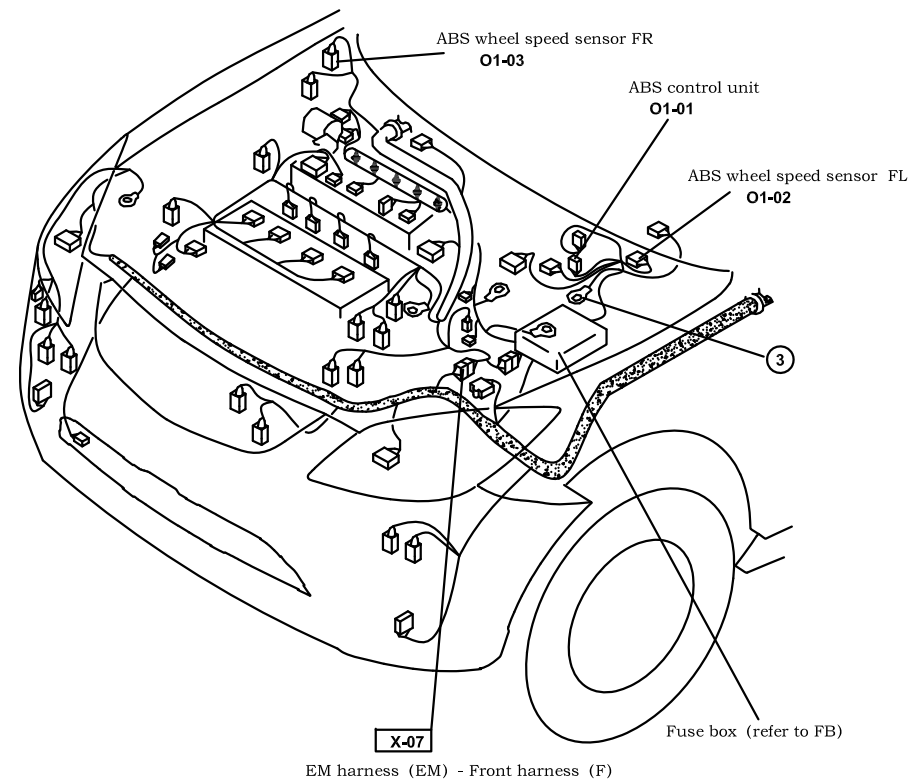
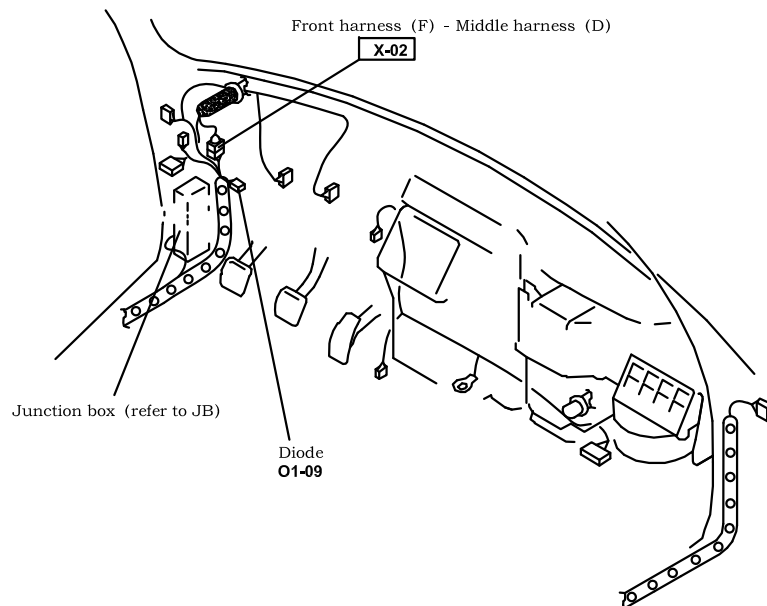
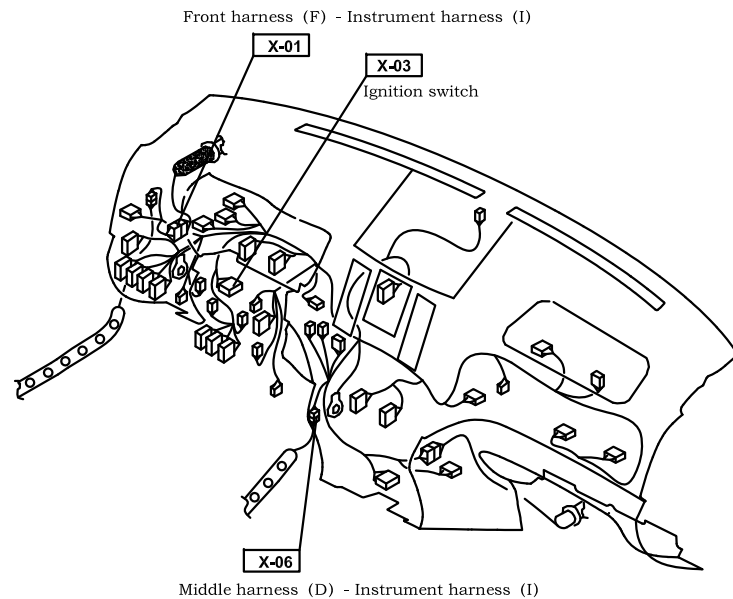
O1-05 ABS wheel speed sensor RR (D)

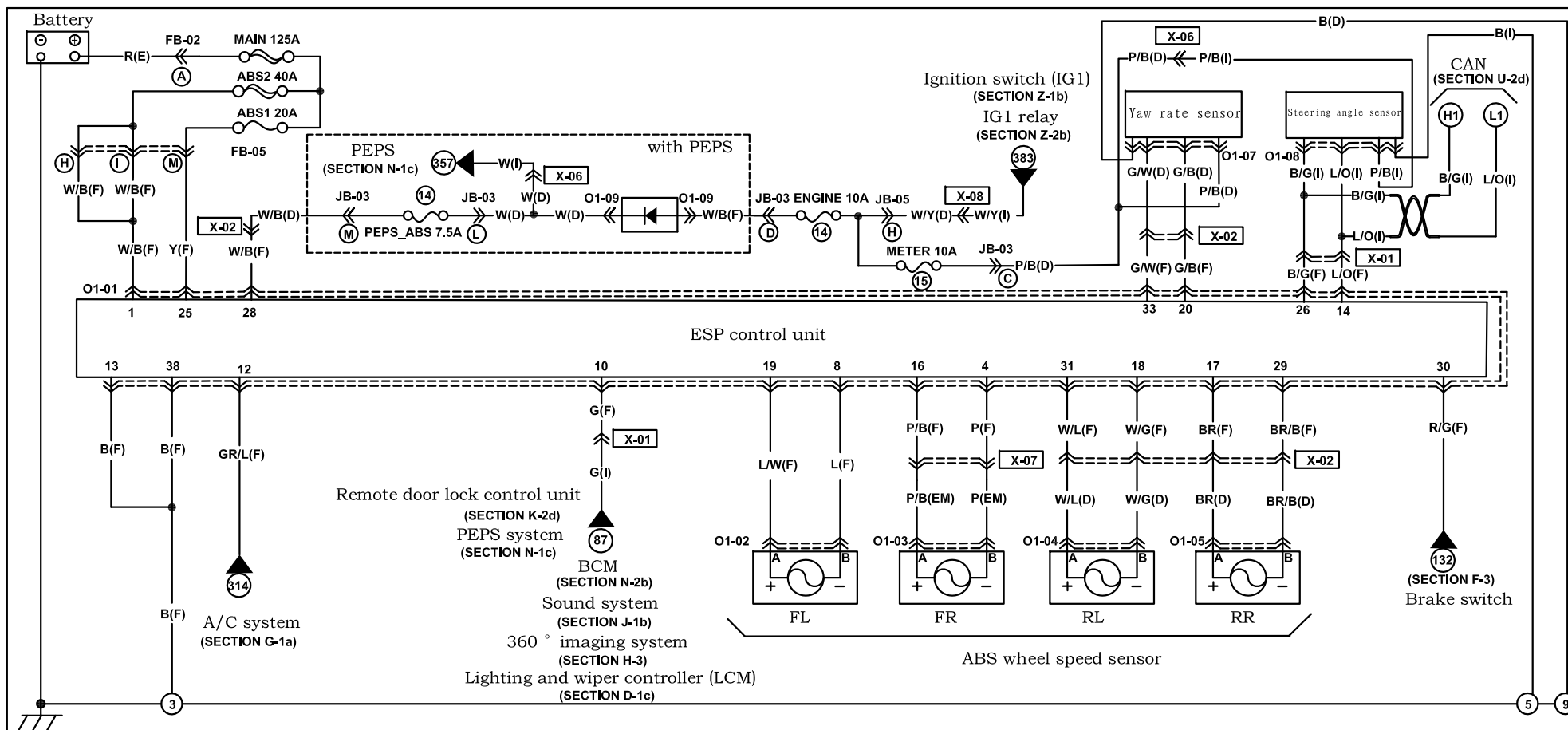


O1-09 Diode (D)

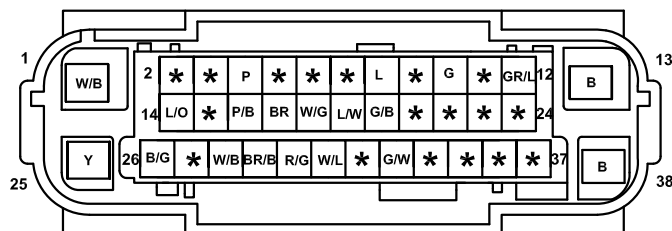


Harness mark:  (F)  (E)  (D)  (R)





O1-06 ESP control unit (F)



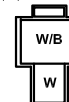
O1-02 ABS wheel speed sensor FL (EM)



O1-04 ABS wheel speed sensor RL (D)



O1-09 Diode (D)



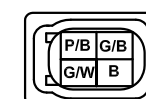
O1-03 ABS wheel speed sensor FR (EM)



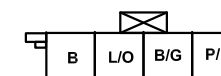
O1-05 ABS wheel speed sensor RR (D)

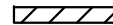


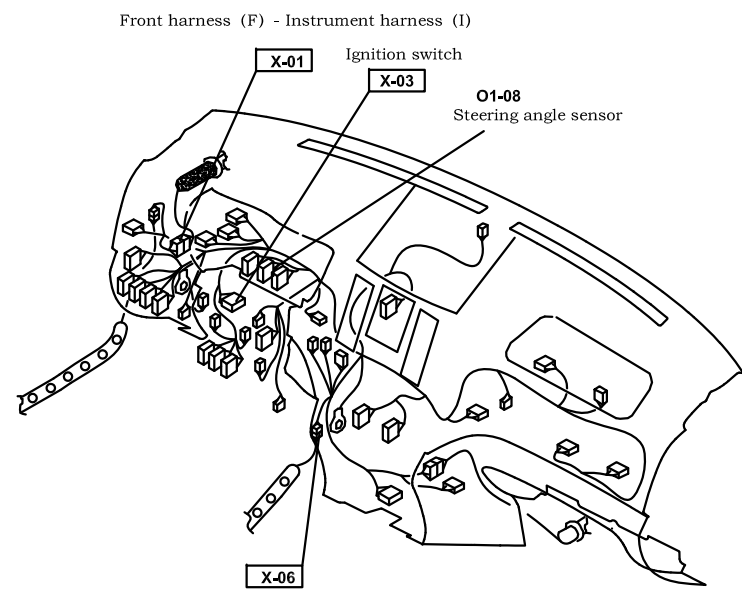
O1-07 Yaw rate sensor (D)



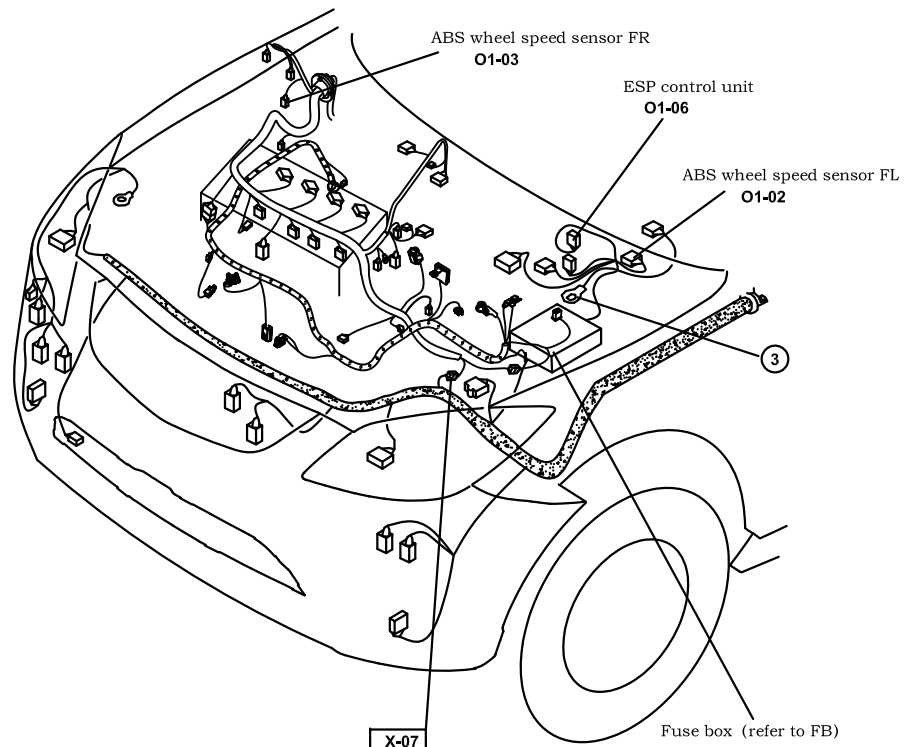
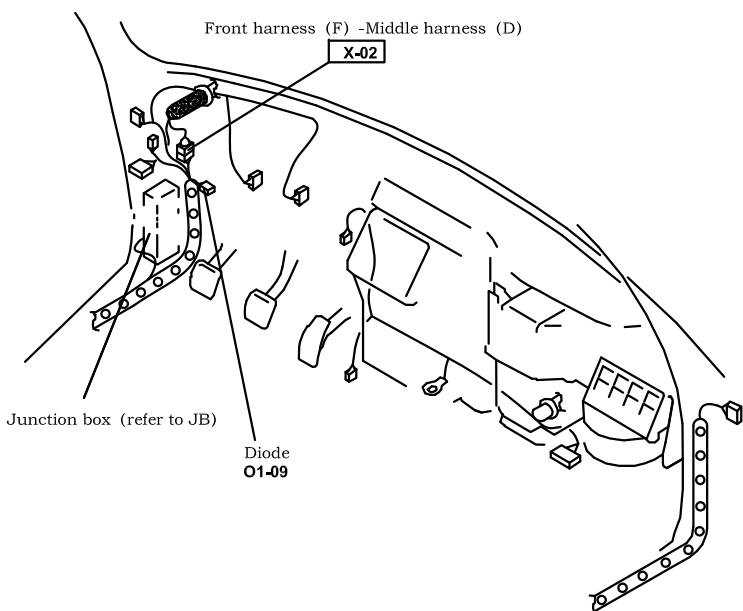
O1-08 Steering angle sensor (I)



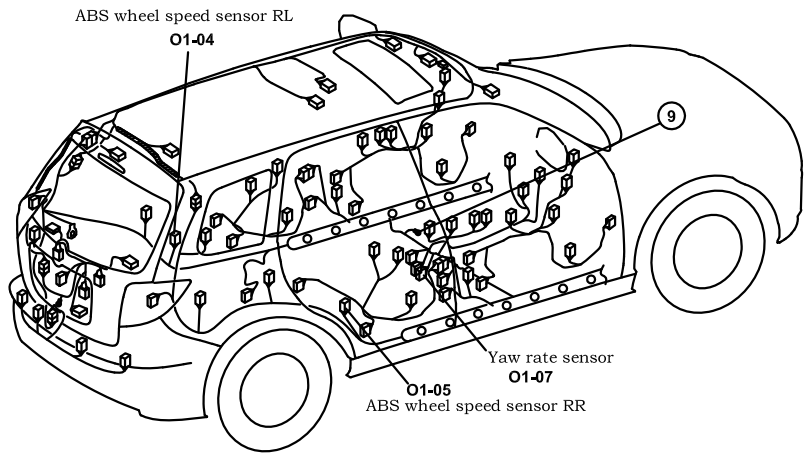
Harness mark:  (F)  (E)  (D)  (R)

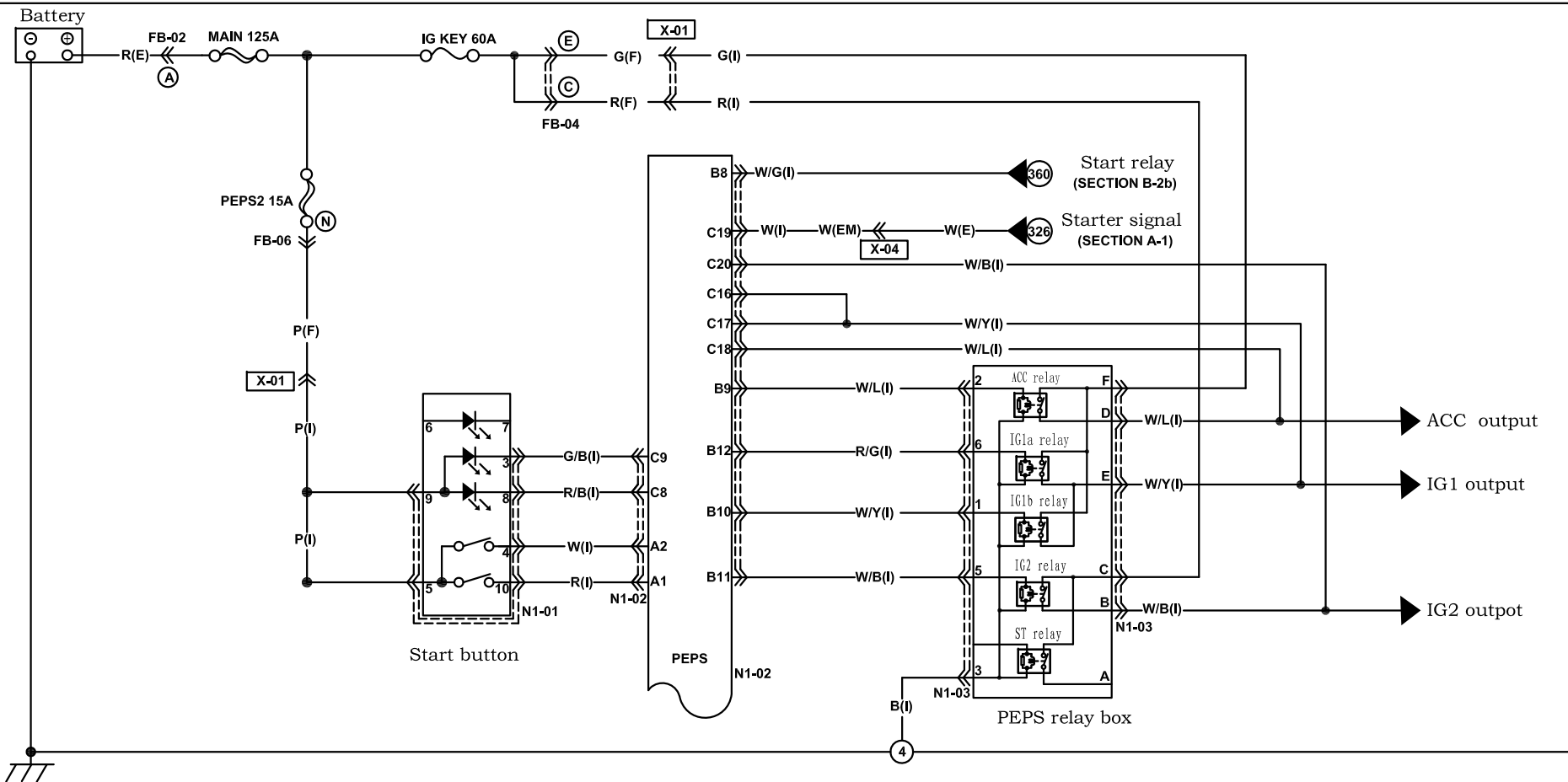


Middle harness (D) - Instrument harness (I)

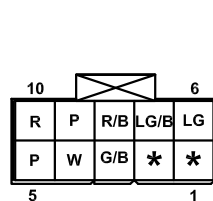


EM harness (EM) - Front harness (F)

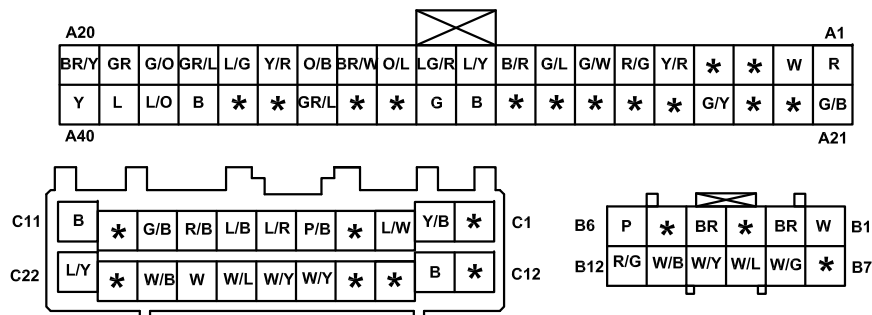




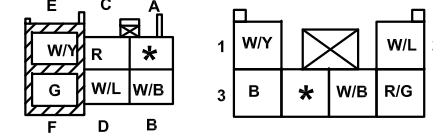
N1-01 Start button (I)

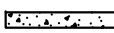
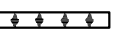
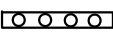


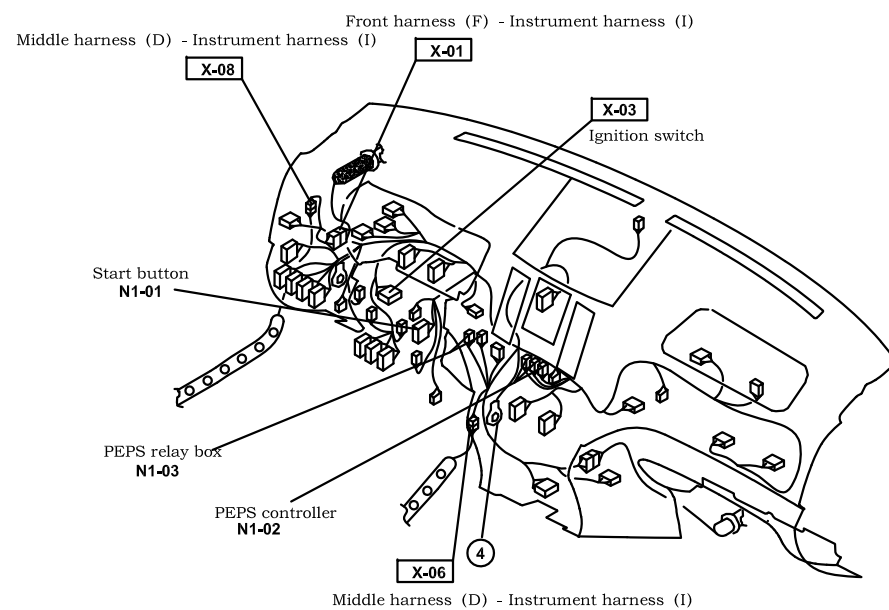
N1-02 PEPS controller (I)

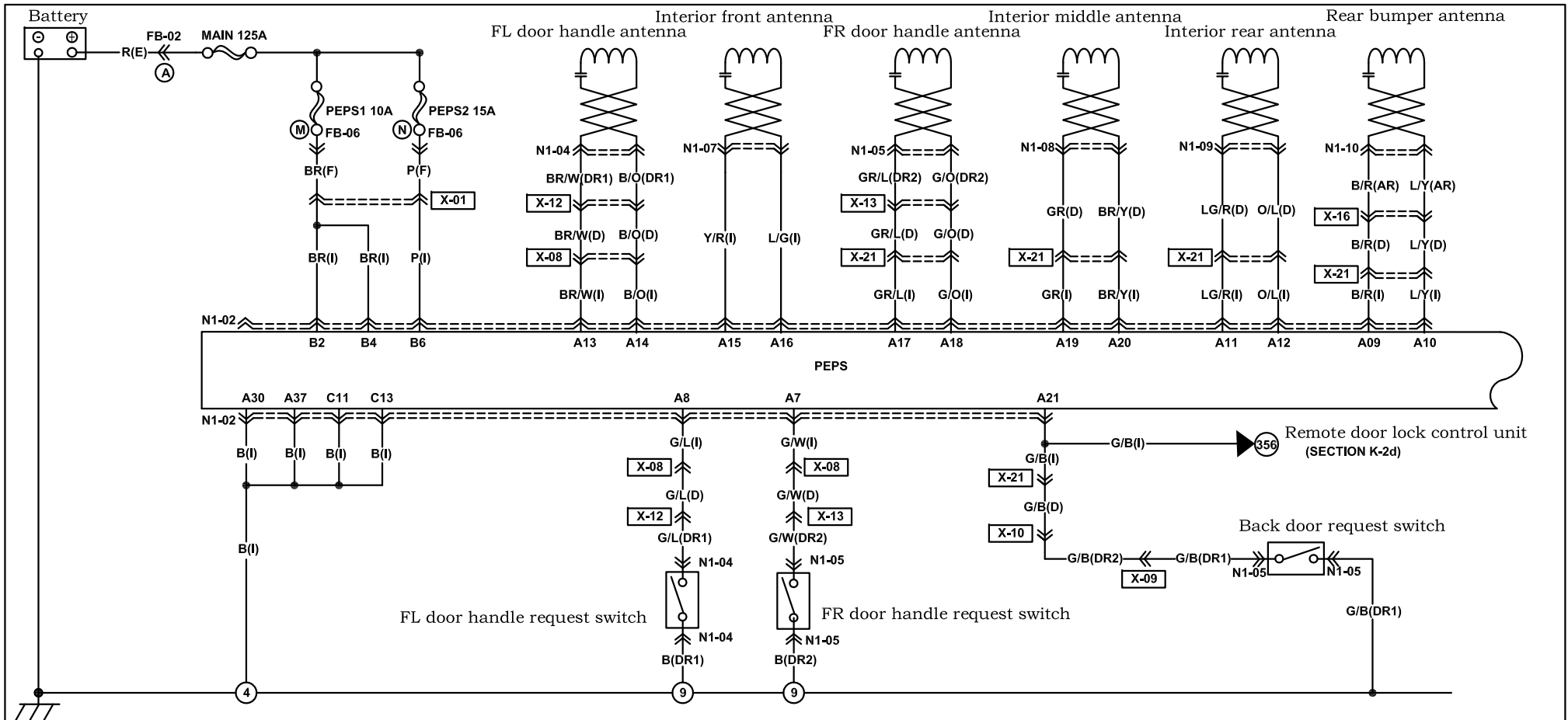


N1-03 PEPS relay box (I)

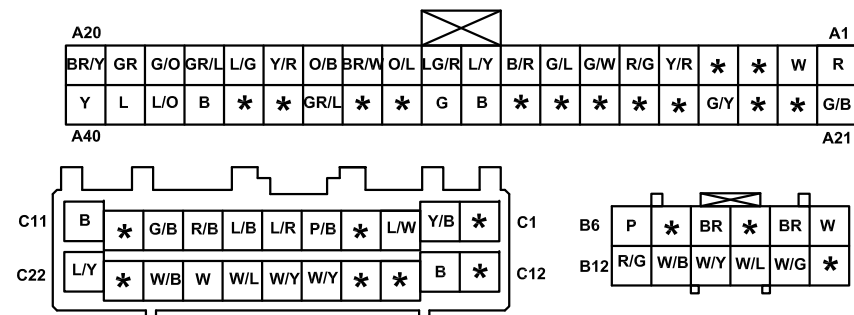


Harness mark:  (F)  (E)  (D)  (R)



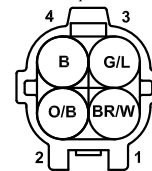


N1-02 PEPS controller (I)



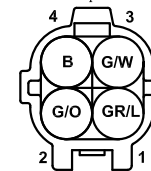
N1-04

FL door handle request switch(DR1)



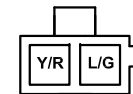
N1-05

FR door handle request switch(DR2)



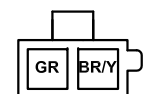
N1-07

Interior front antenna(I)



N1-08

Interior middle antenna(D)

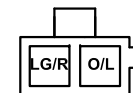


N1-05 Back door request switch (R1#)



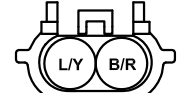
N1-09

Interior rear antenna(D)

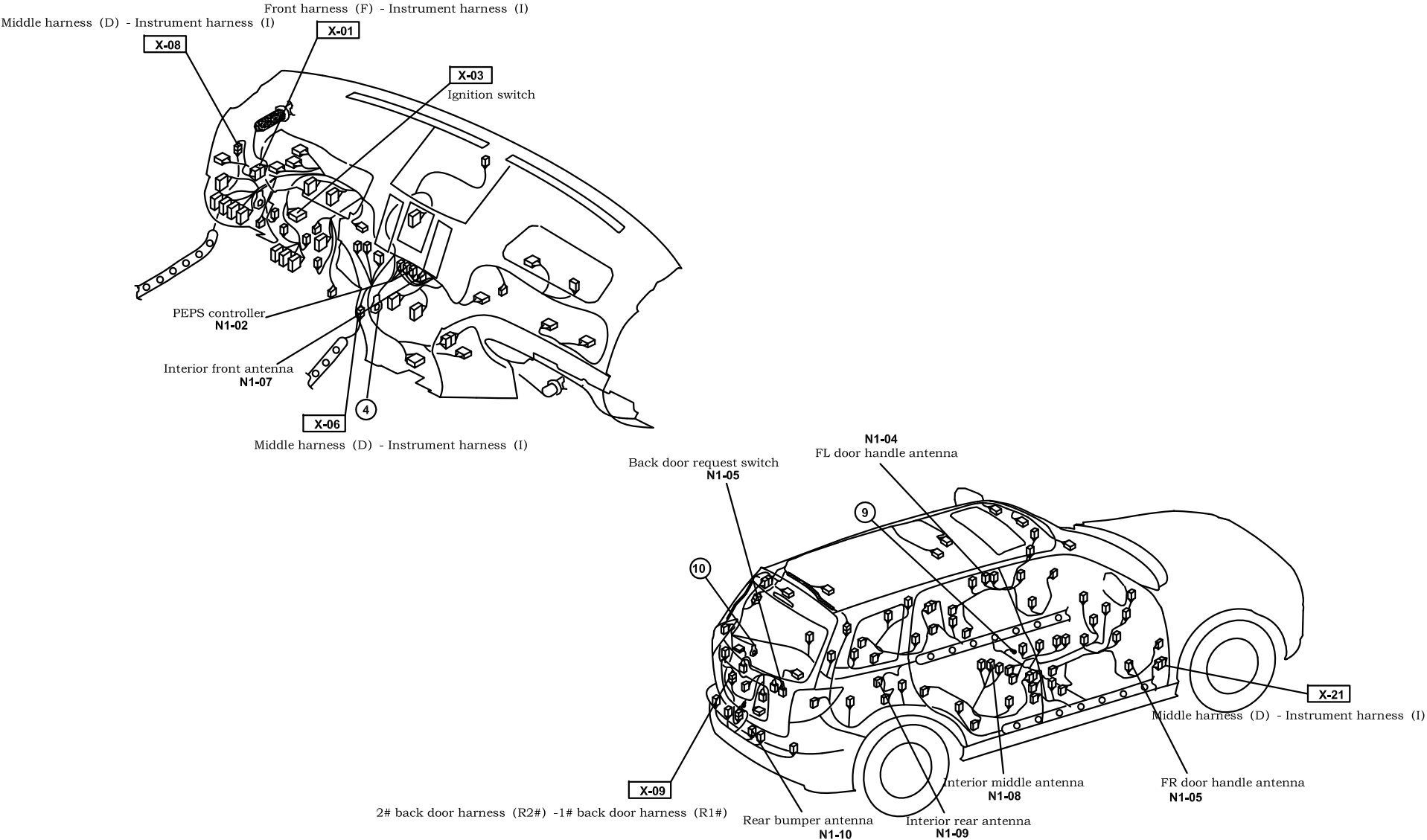


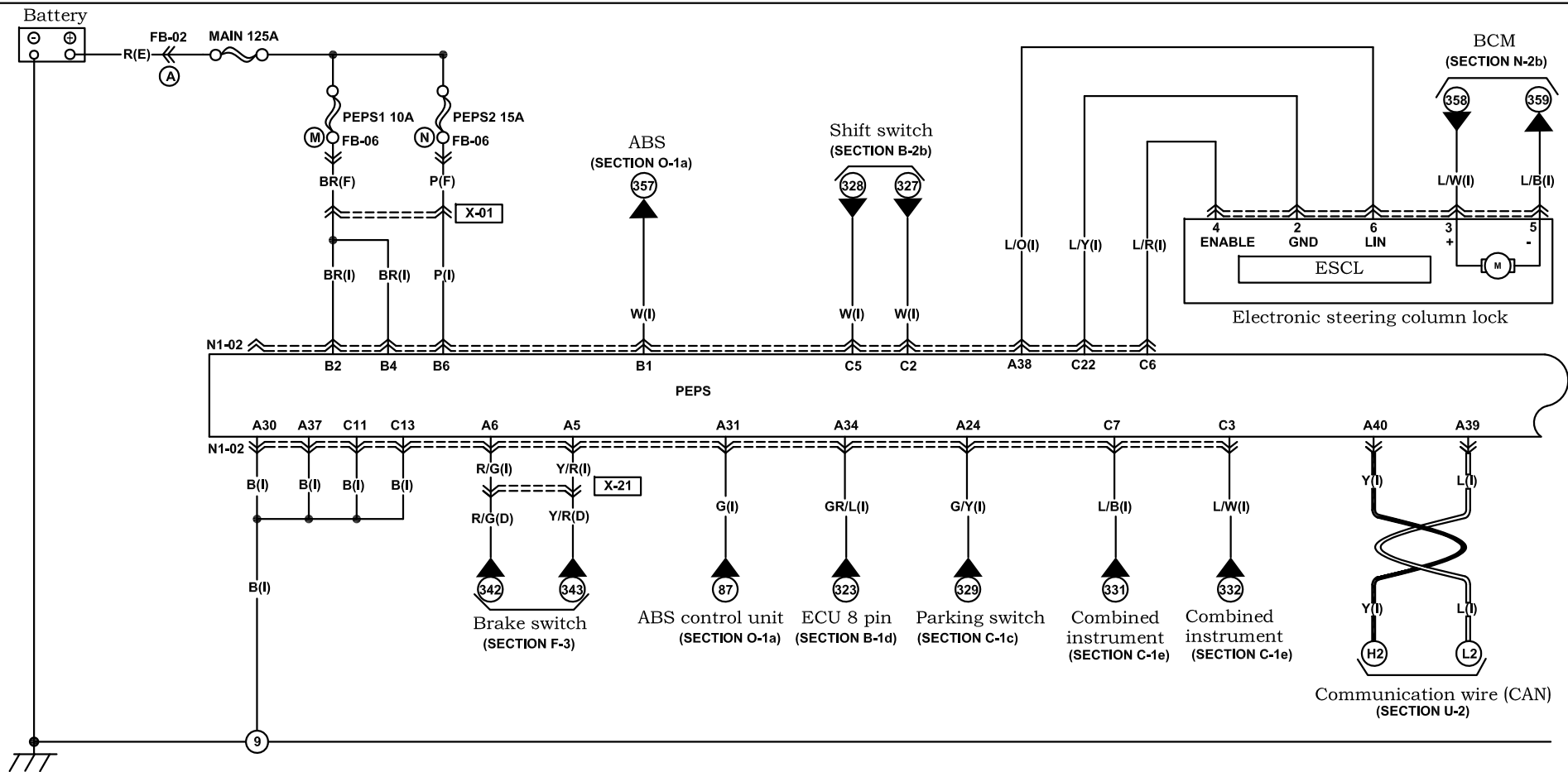
N1-10

Rear bumper antenna(AR)

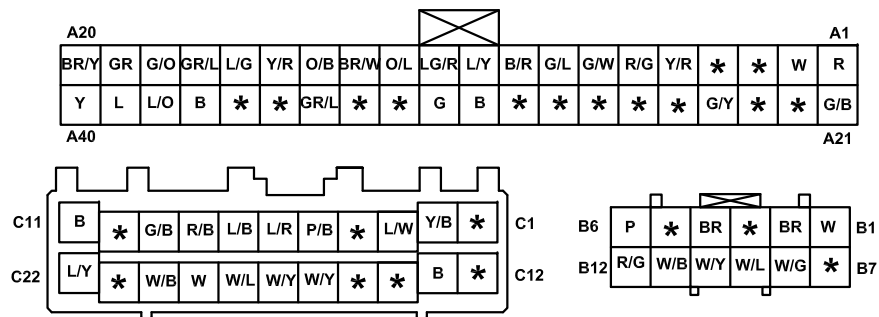


Harness mark:  (F)  (E)  (D)  (R)



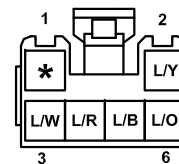


N1-02 PEPS controller (I)

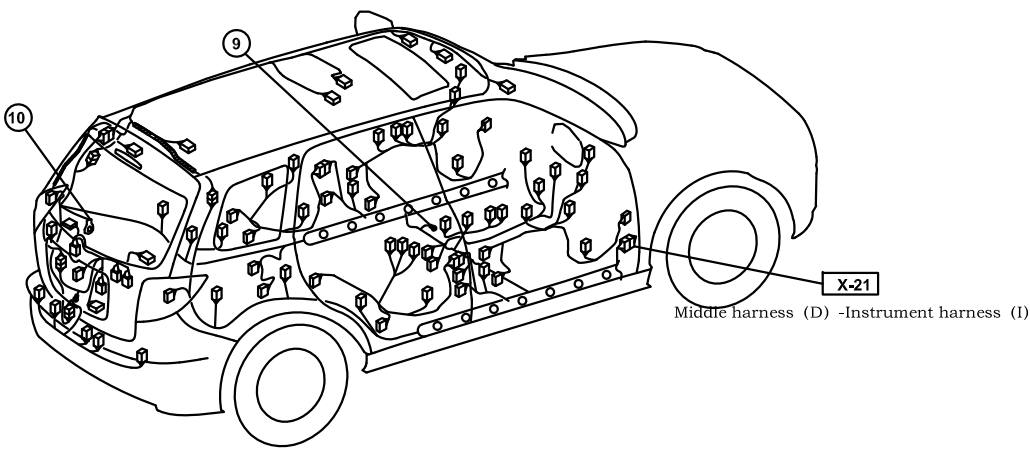
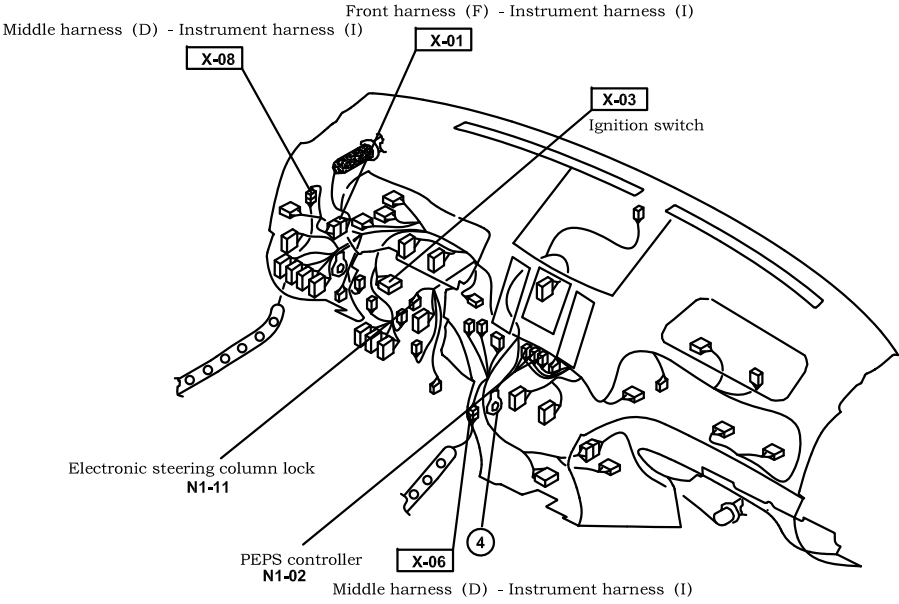


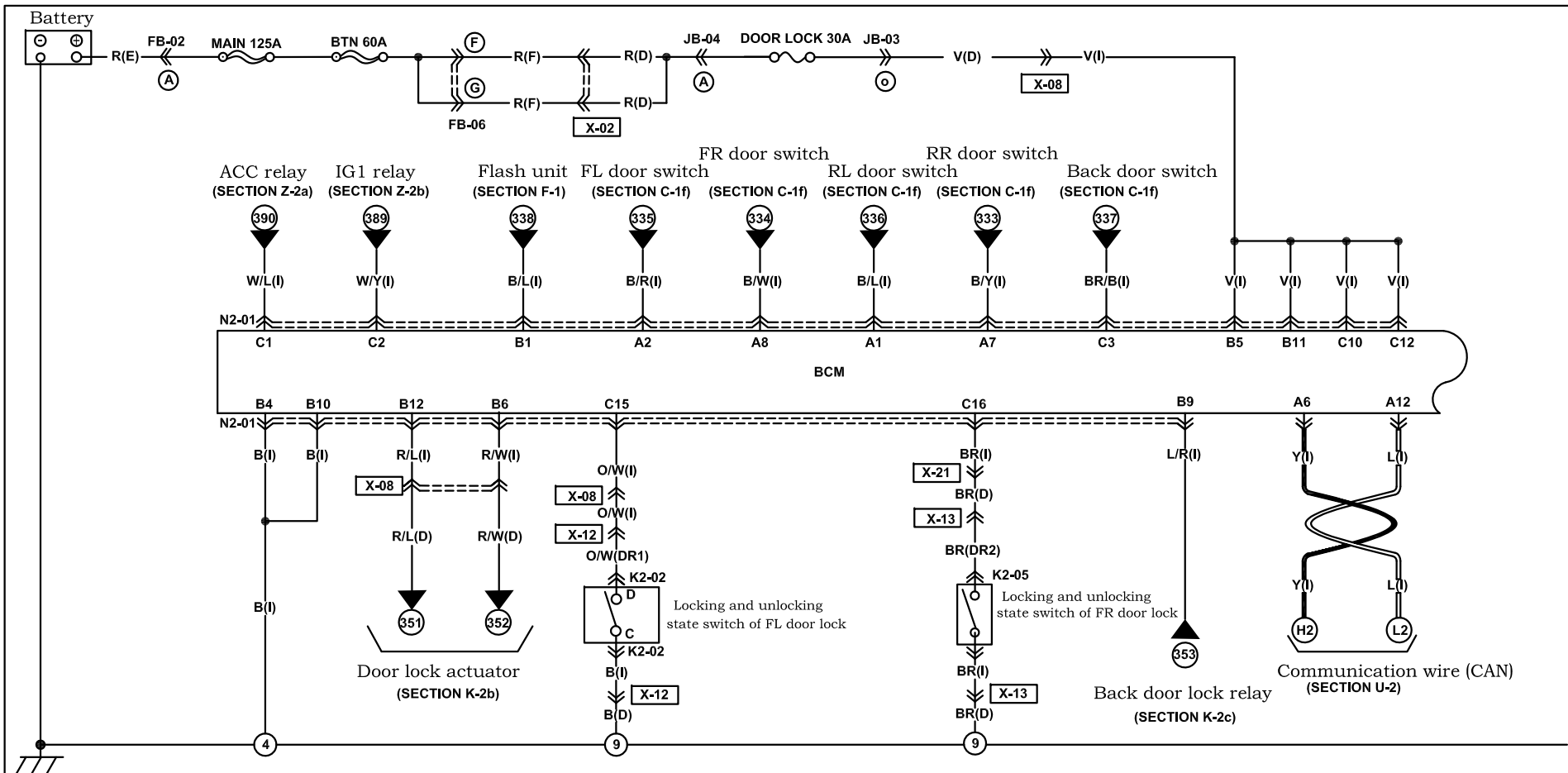
N1-11

Electronic steering column lock (I)

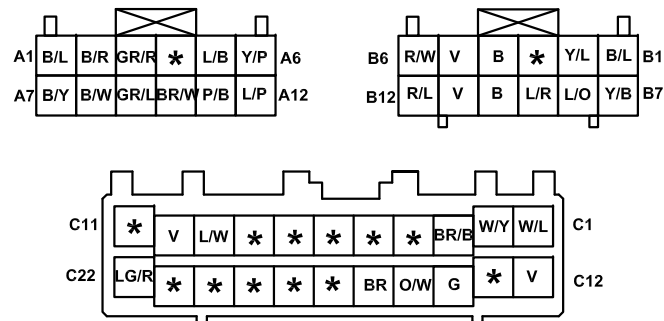


Harness mark:  (F)  (E)  (D)  (R)

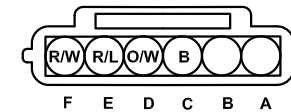




N2-01 Body control system (BCM) (I)

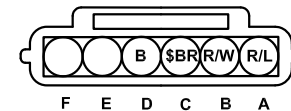


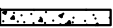
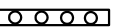
K2-02 FL door lock actuator (DR1)

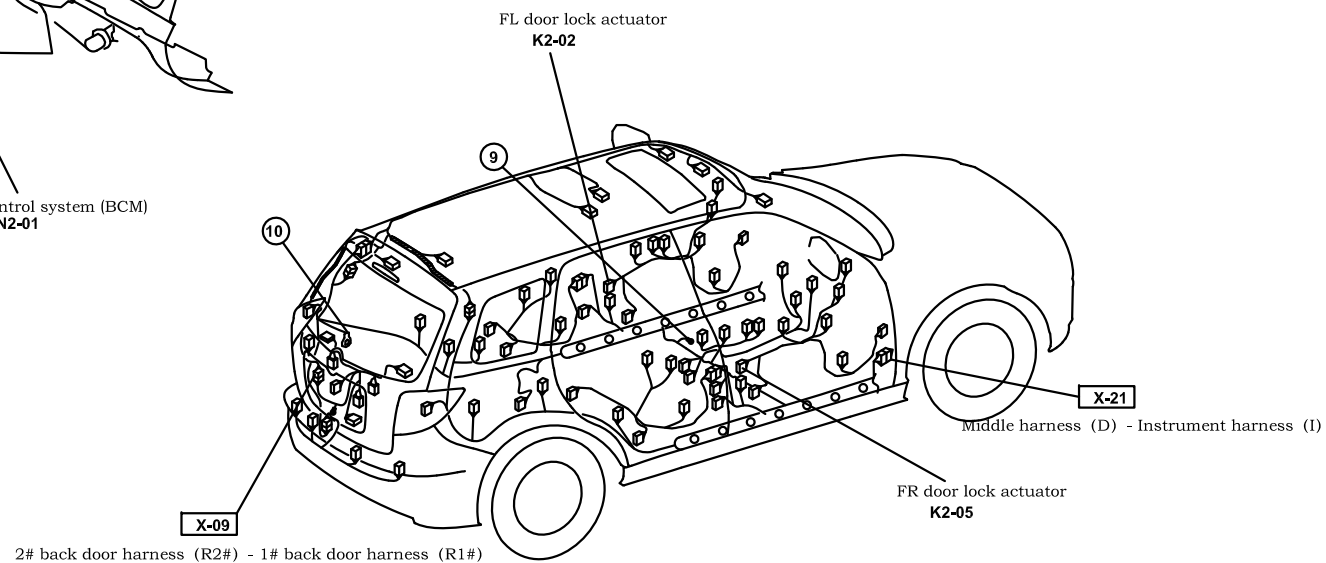
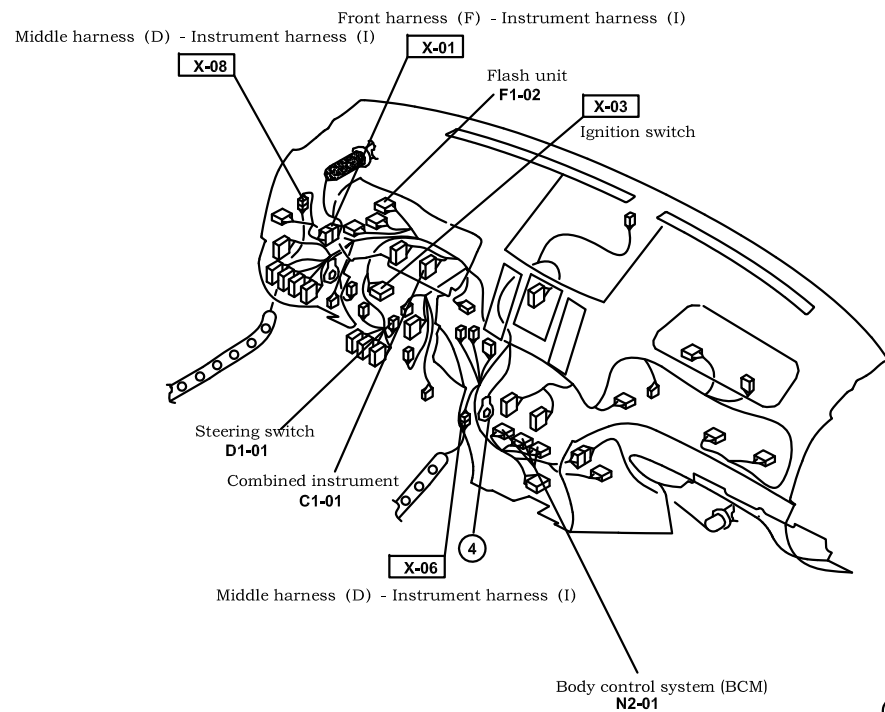


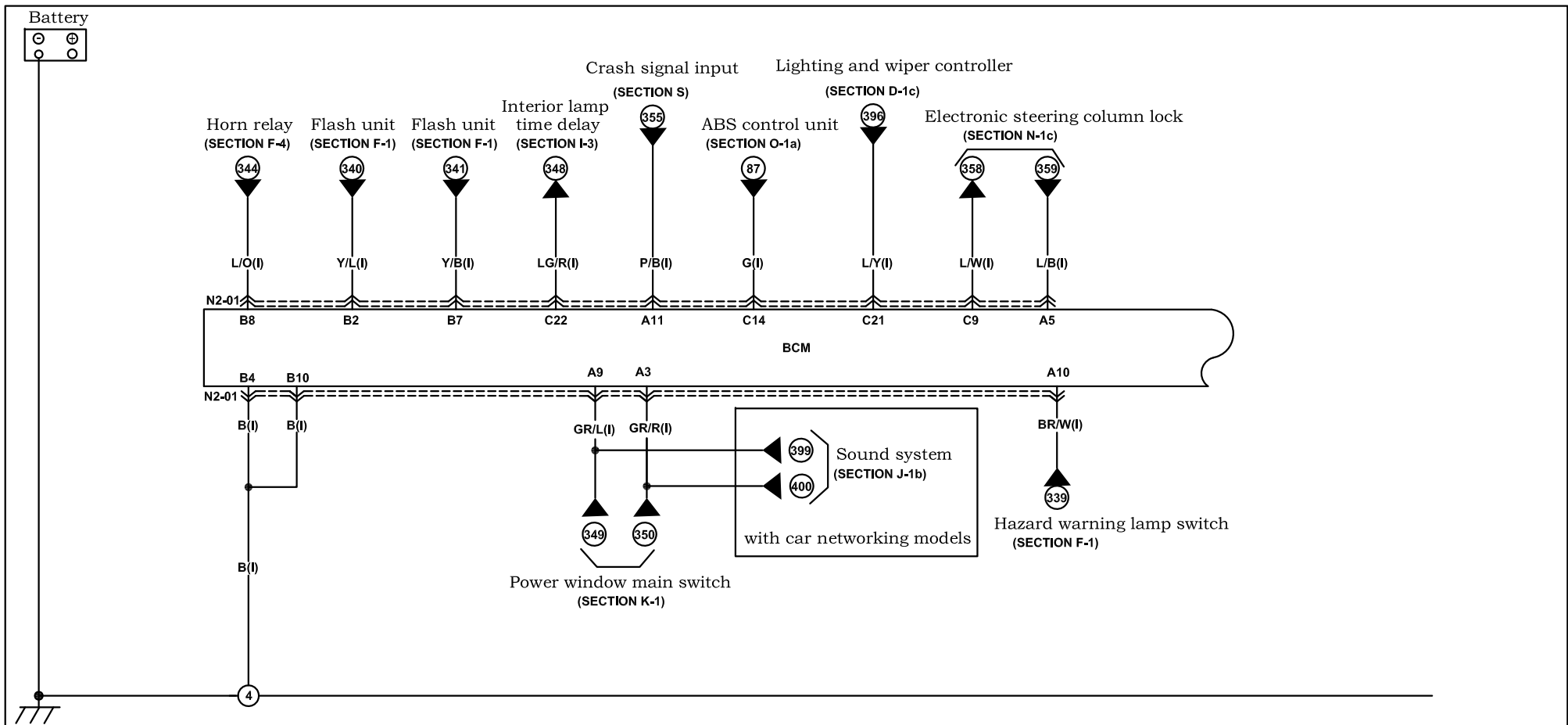
K2-05 FR door lock actuator (DR2)

\$ with PEPS

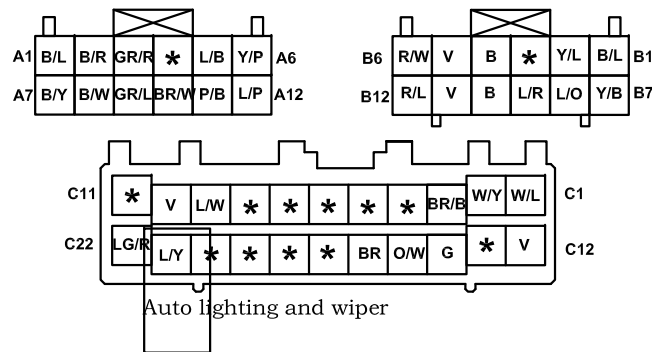


Harness mark:  (F)  (E)  (D)  (R)

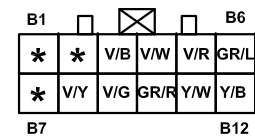


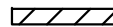


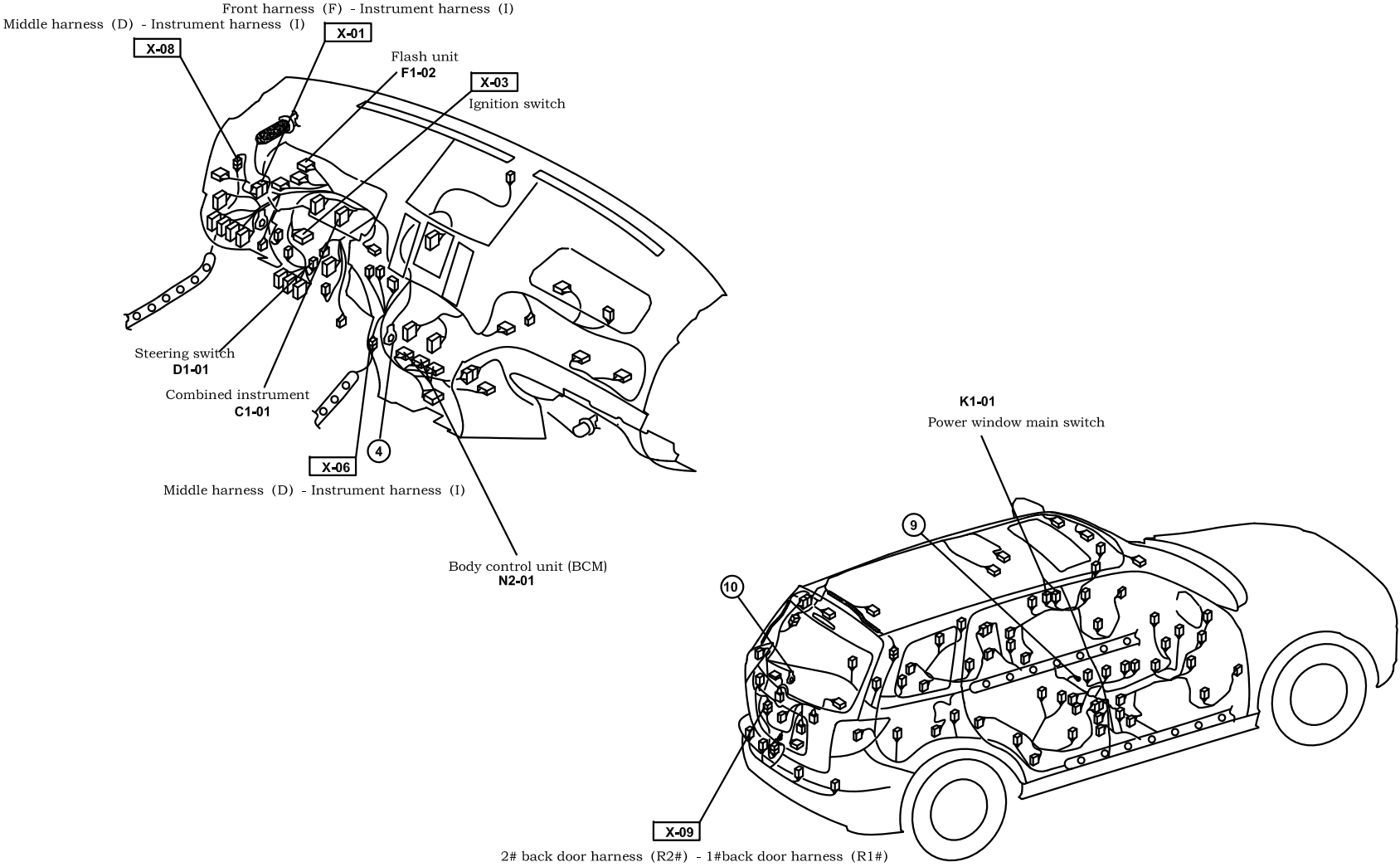
N2-01 Body control system (BCM)(I)



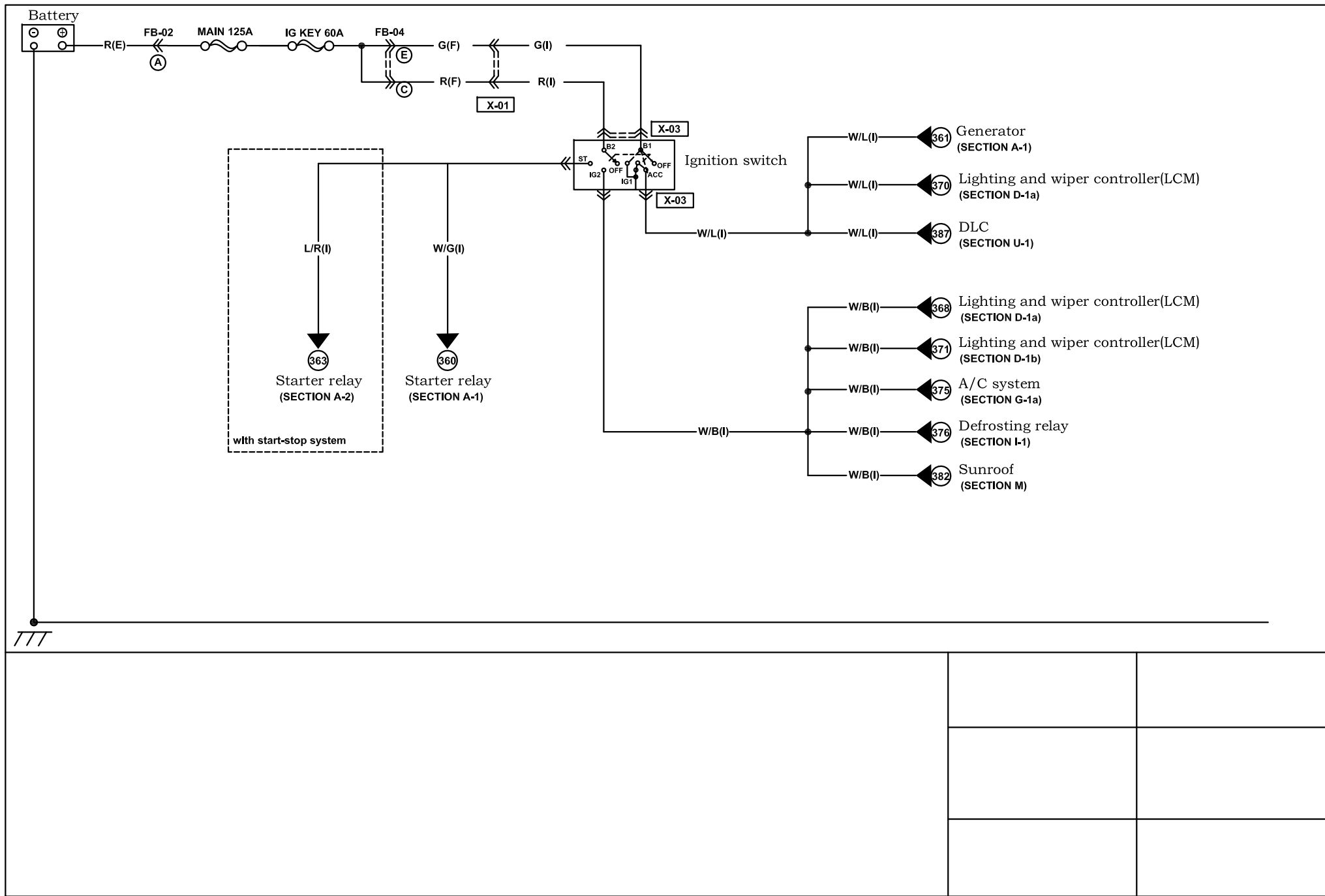
K1-01 Power window main switch (DR1)



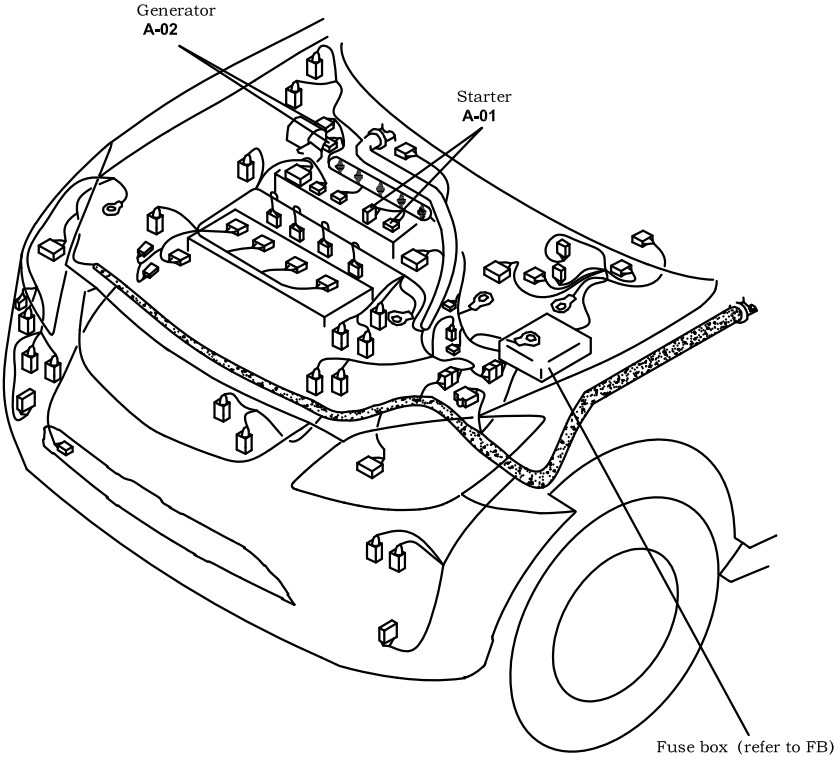
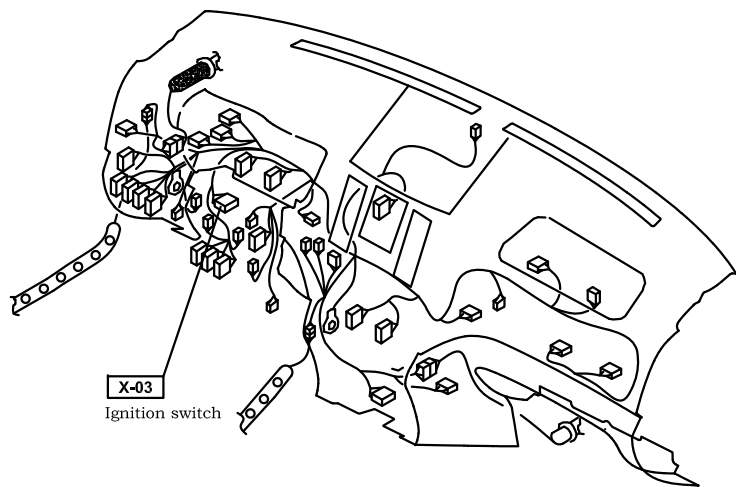
Harness mark:  (F)  (E)  (D)  (R)



Z-1a

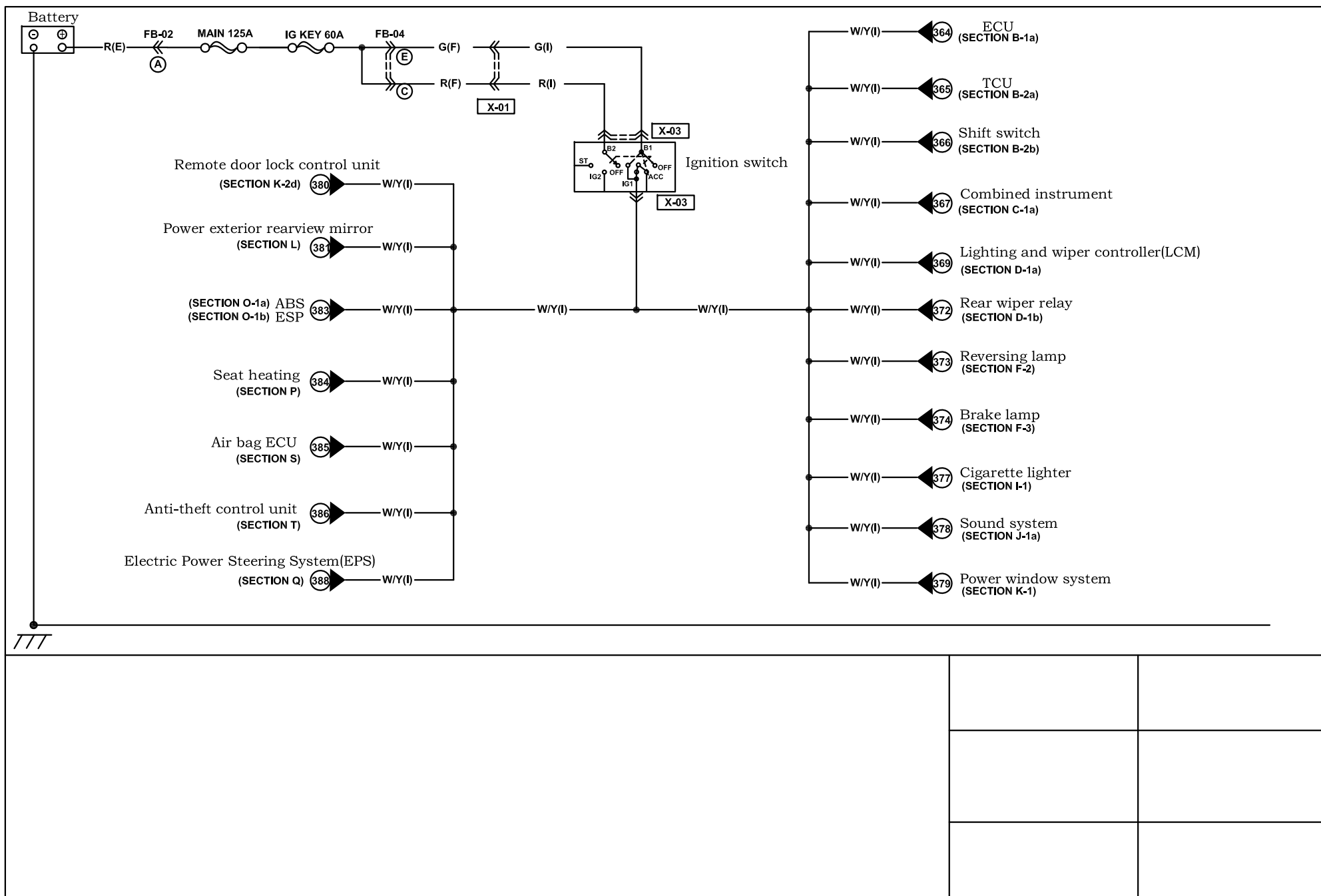


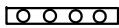
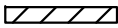
Harness mark:  (F)  (E)  (D)  (R)

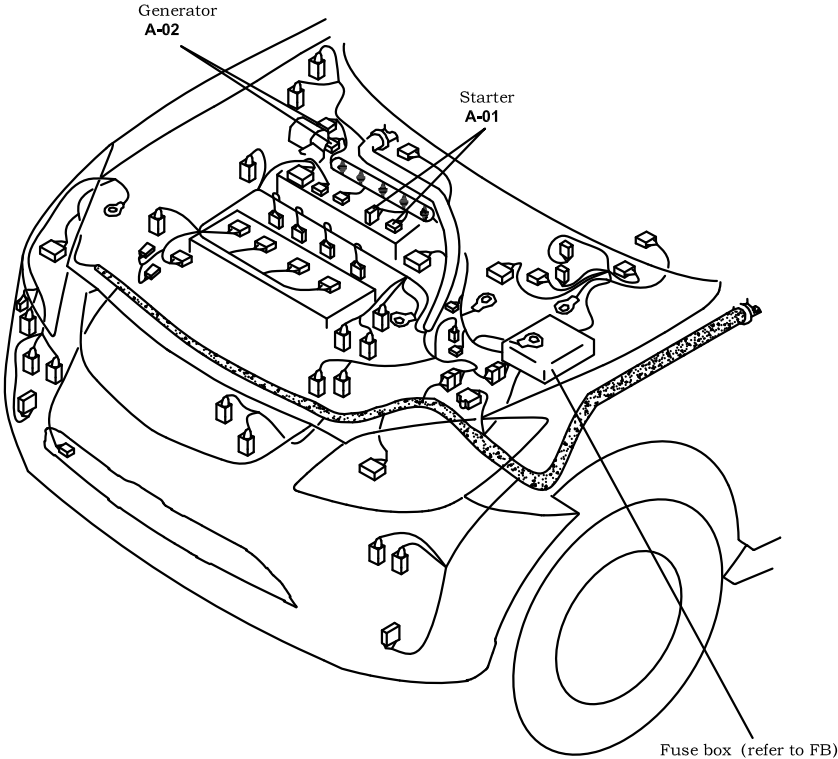
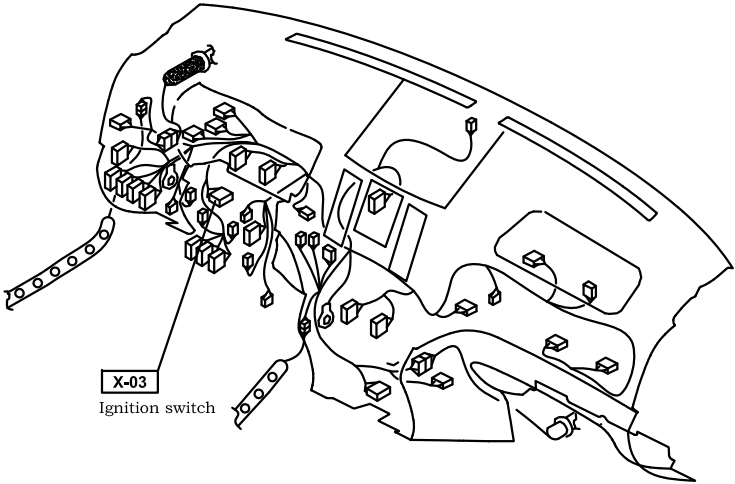


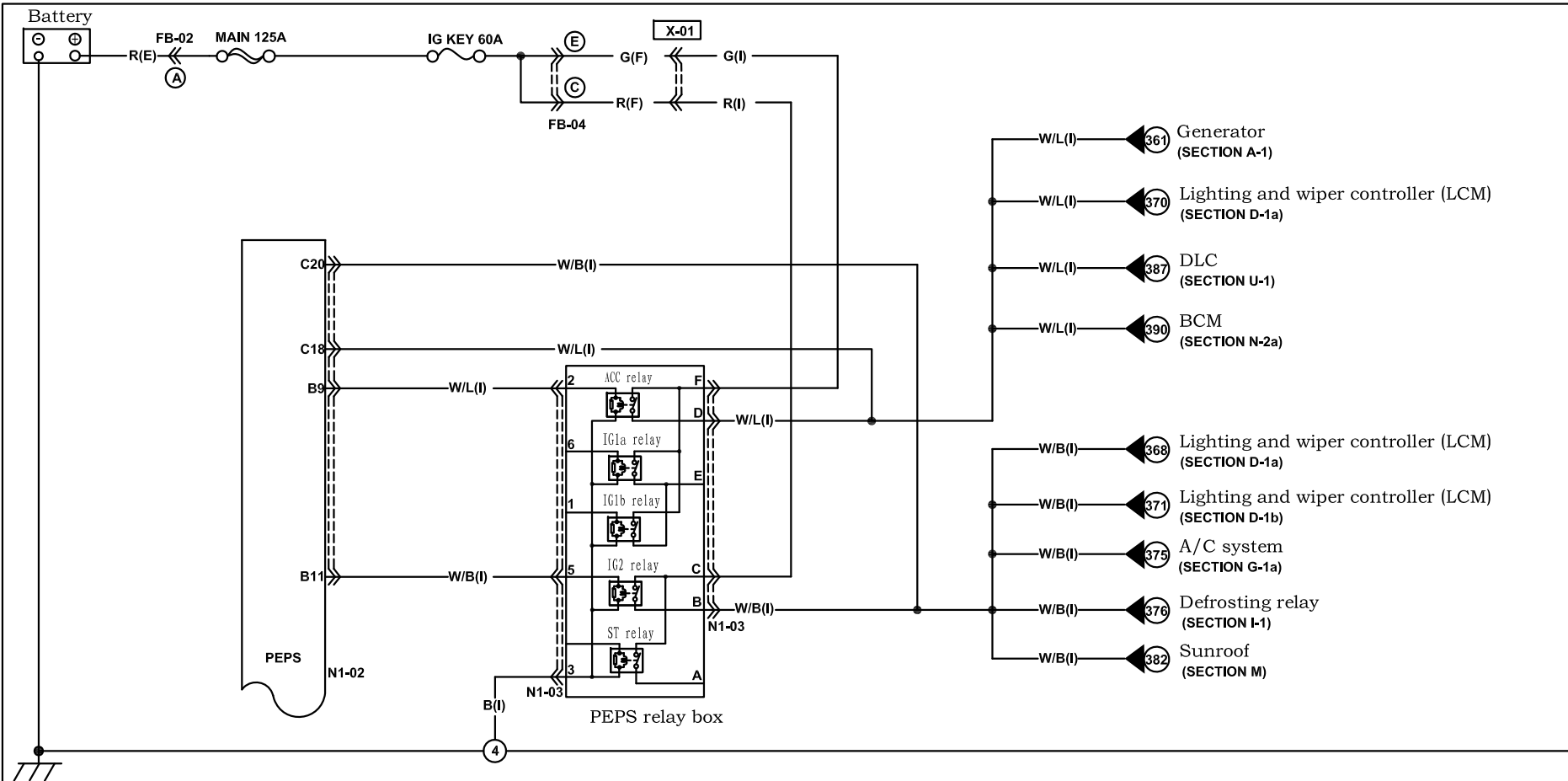
Power supply system (without smart key)

Z-1b

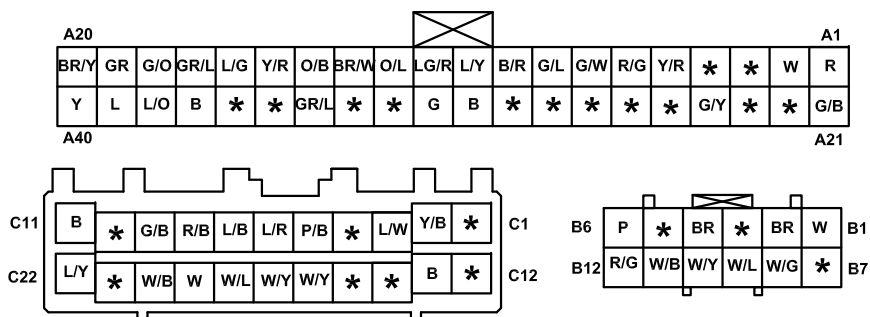


Harness mark:  (F)  (E)  (D)  (R)

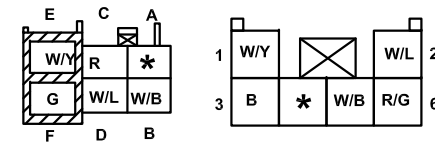


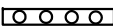
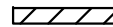


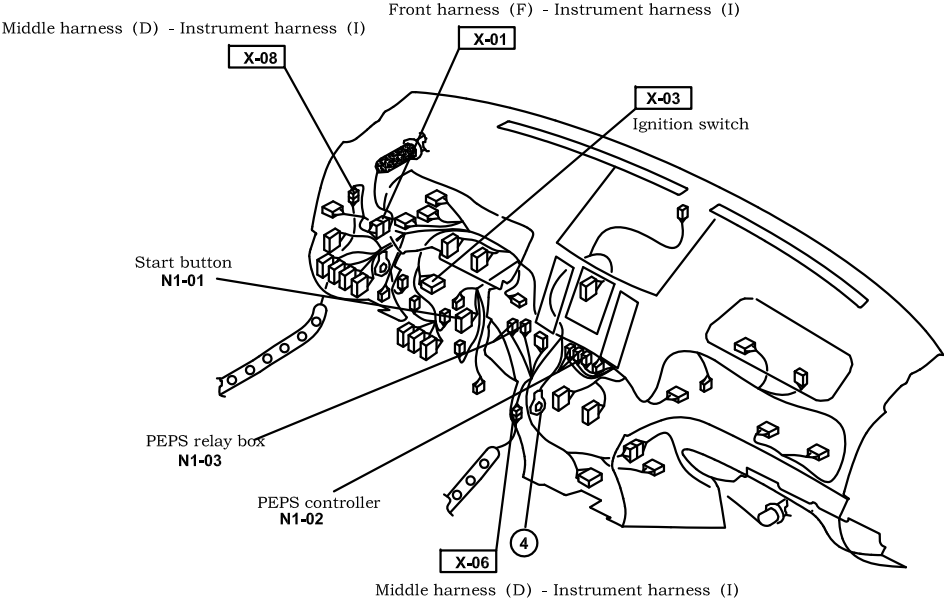
N1-02 PEPS controller (I)

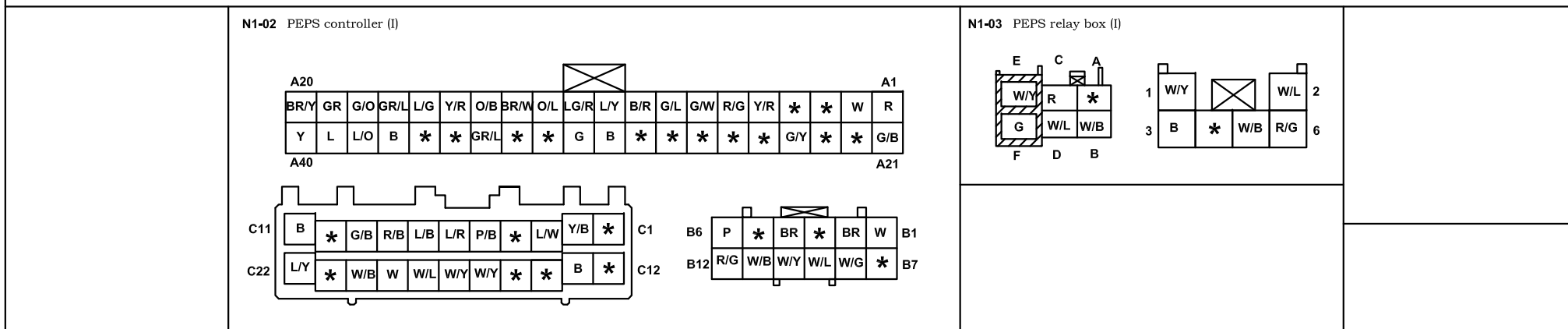


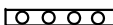
N1-03 PEPS relay box (I)

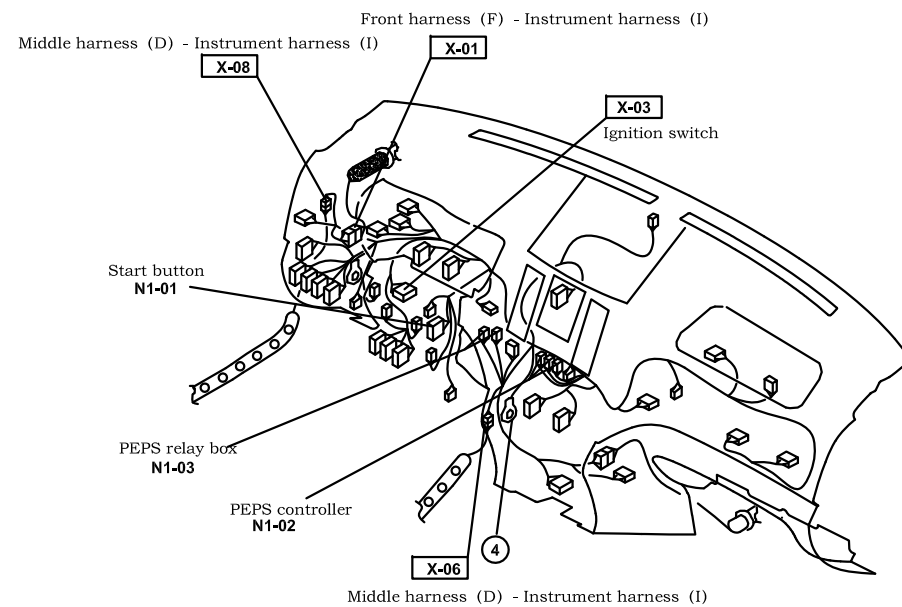


Harness mark:  (F)  (E)  (D)  (R)



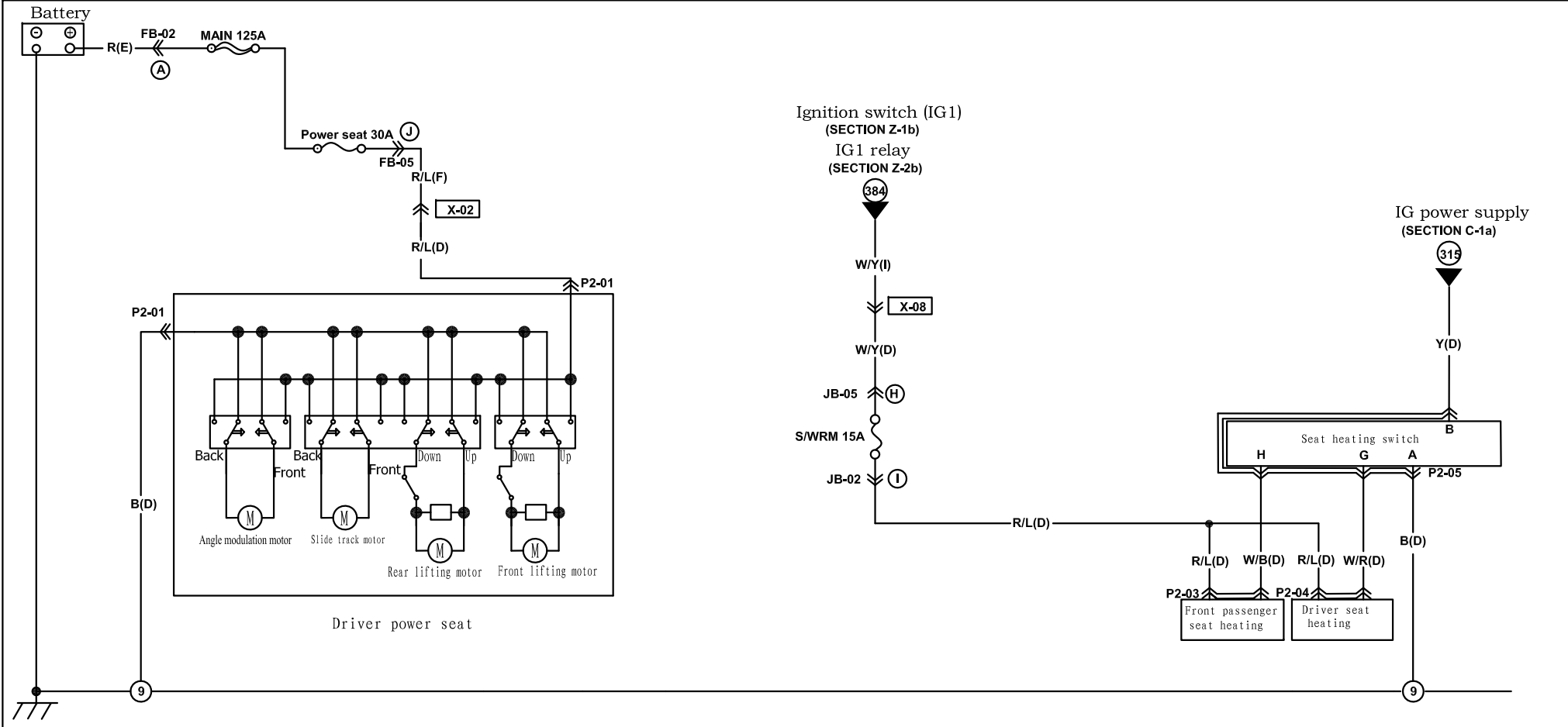


Harness mark:  (F)  (E)  (D)  (R)

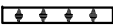
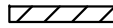


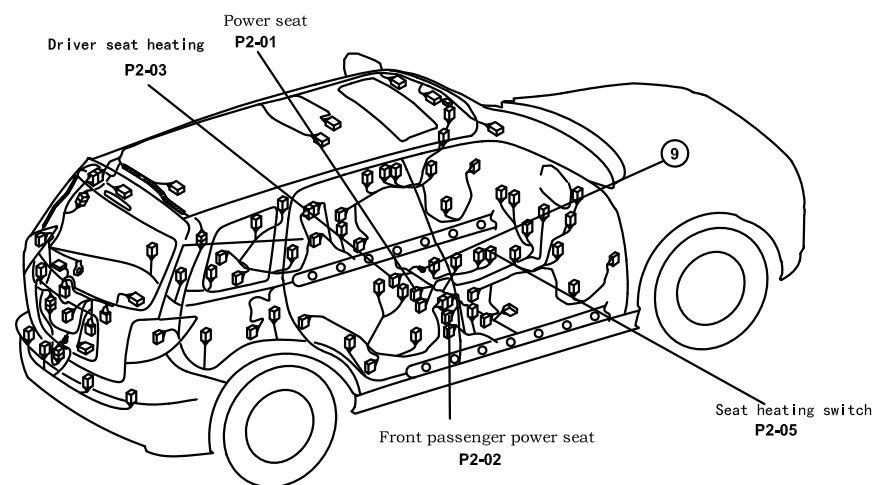
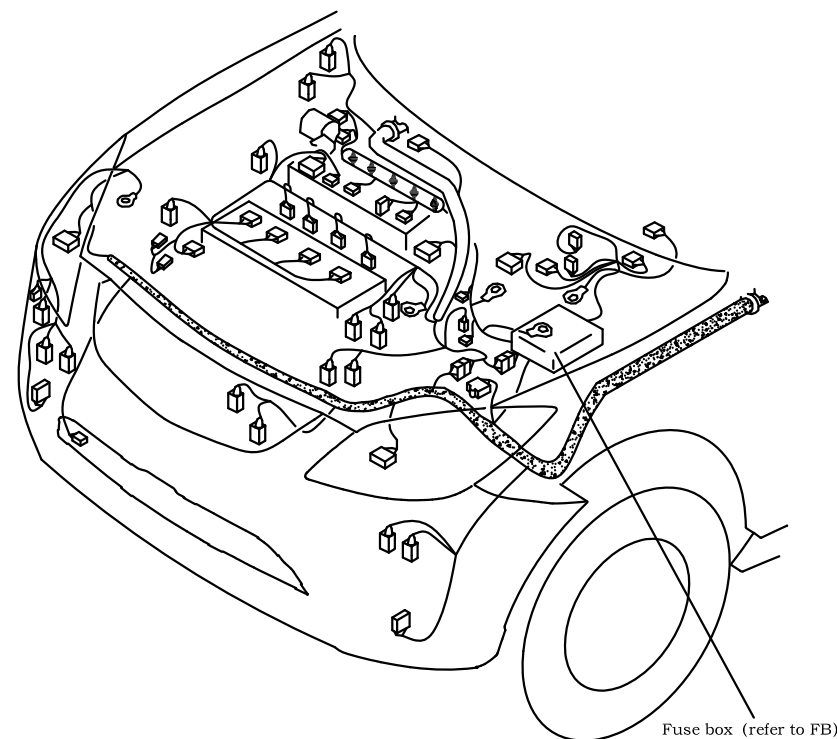
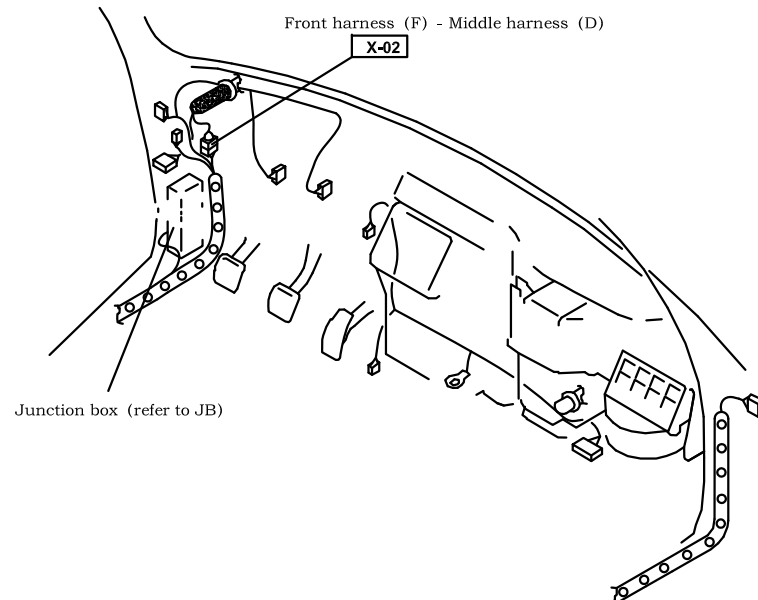
Power seat and seat heating

P



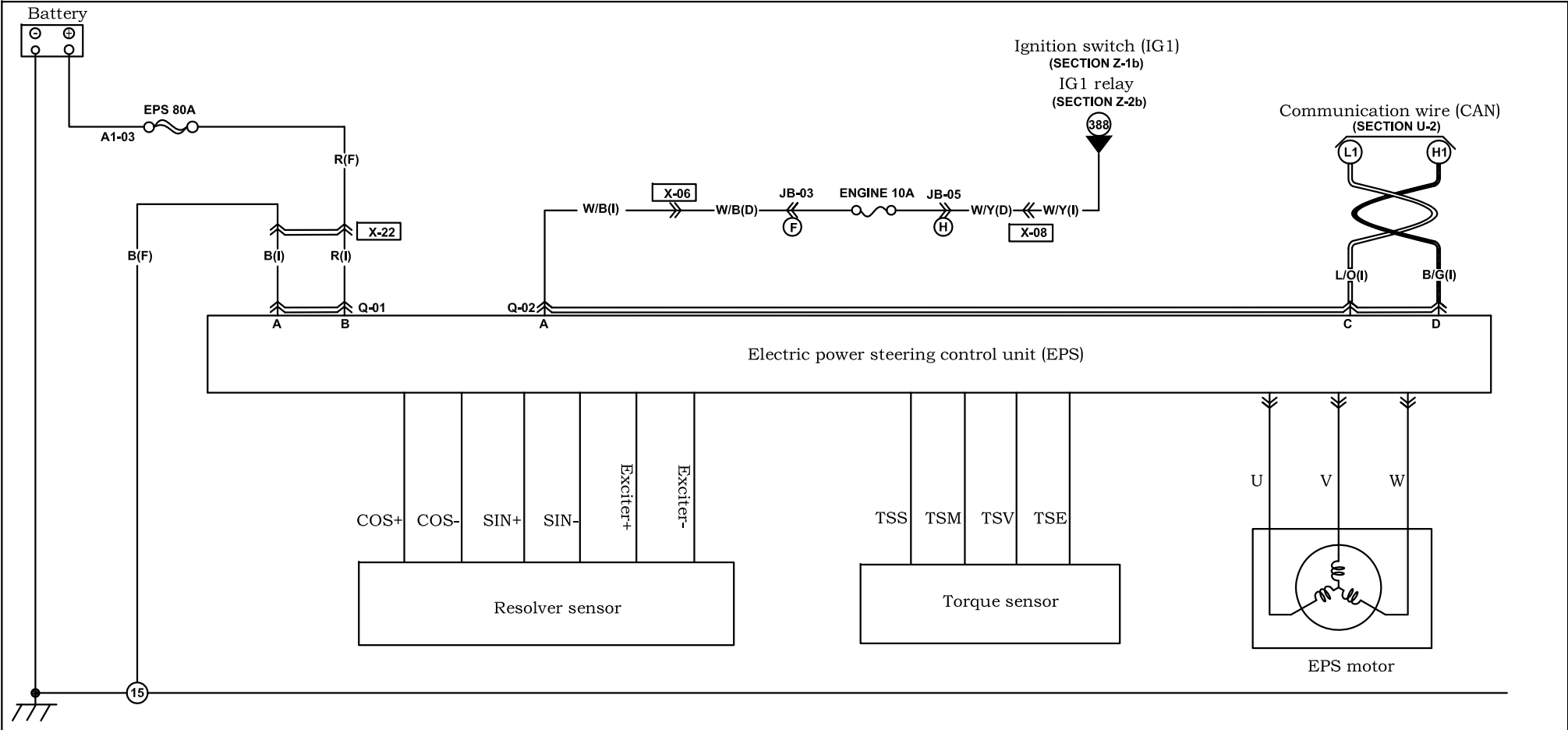
P2-01 Driver power seat (D) B R/L		P2-05 Seat heating switch (D) G A W/R W/B LG/B LG Y H F D B				
P2-03 Driver seat heating (D) W/R R/L * *	P2-04 Front passenger seat heating (D) W/B R/L * *					

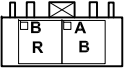
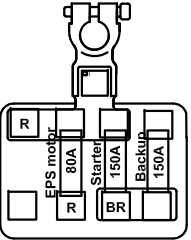
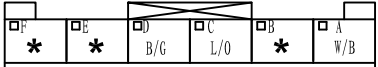
Harness mark:  (F)  (E)  (D)  (R)

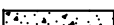


Electric Power Steering System (EPS- II)

Q



Q-01 EPS power supply (I) 	A1-03 Battery B+ (E) 				
Q-02 EPS controller (I) 					

Harness mark:  (F)  (E)  (D)  (R)

Front harness (F) - Instrument harness (I)

Middle harness (D) - Instrument harness (I)

X-08

X-01

X-03

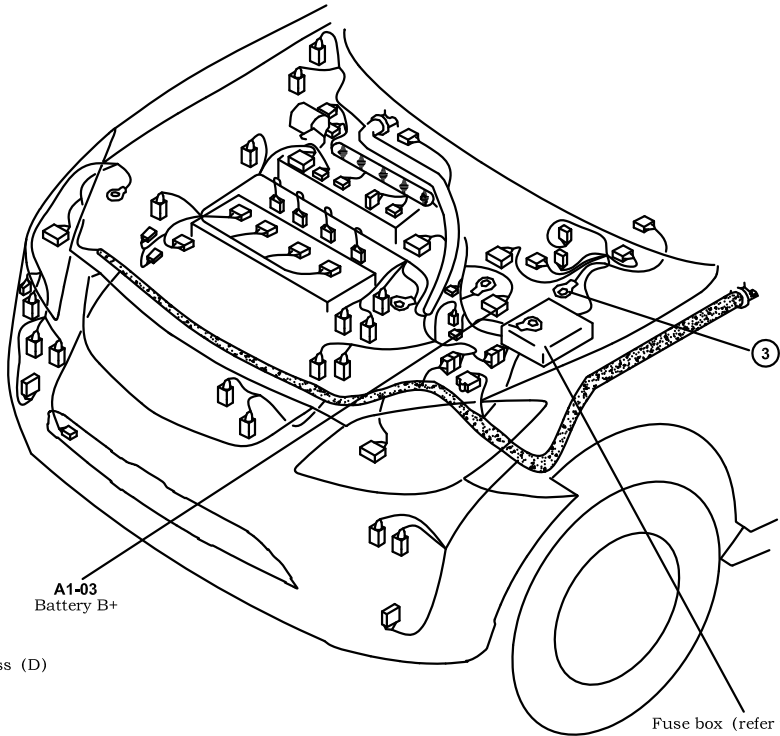
Ignition switch

EPS power supply
Q-01

EPS controller
Q-02

X-06

Middle harness (D) - Instrument harness (I)



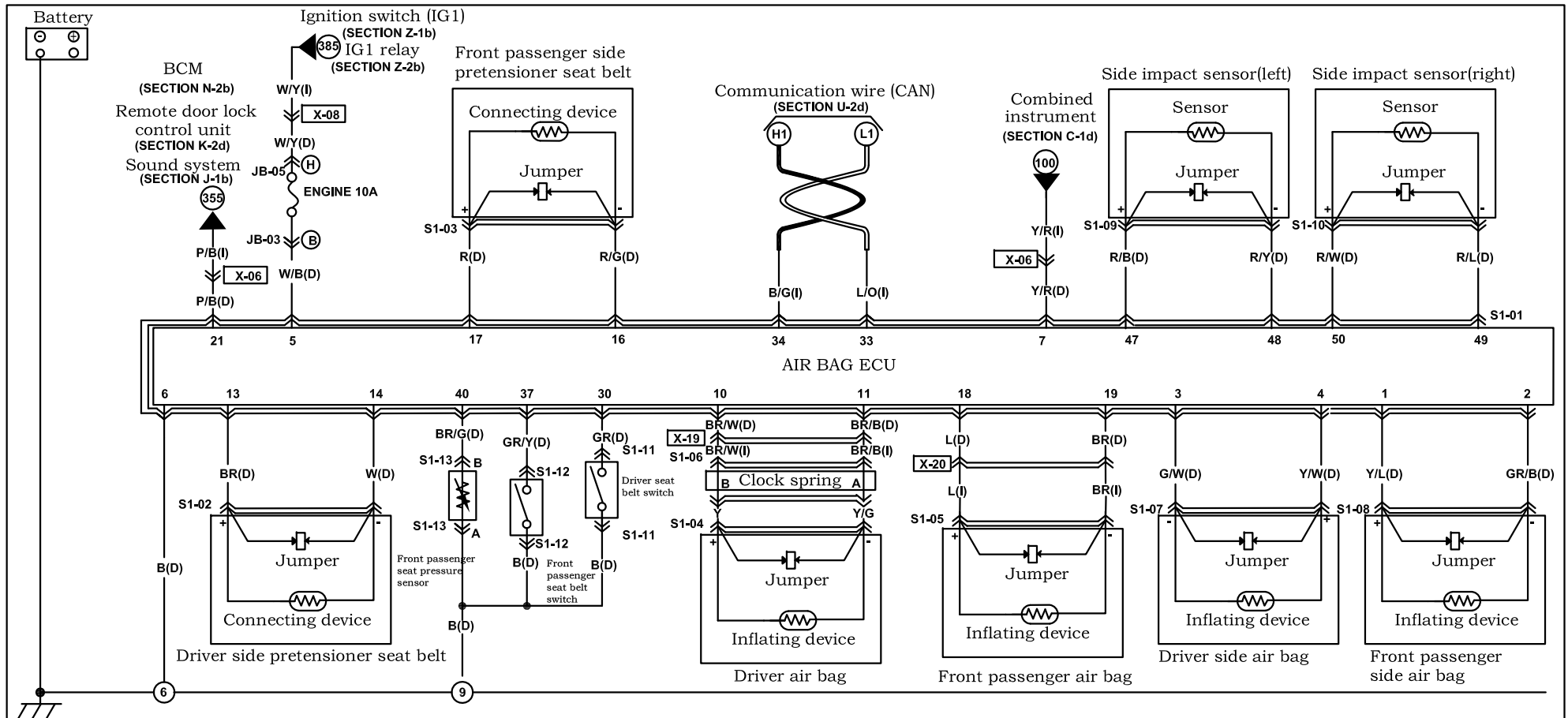
Front harness (F) -Middle harness (D)

X-02

Junction box (refer to JB)

Air bag /Seat belt pretensioner system (1.8T)

S-1



S1-01 Air bag ECU (D)

() with side air bag

26	*	*	*	*	GR	*	*	L/O	B/G	*	*	GR/Y	*	*	BR/G	*	*	*	*	*	*	{R/B}	{R/Y}	{R/L}	{R/W}	50
1	{Y/L}	{GR/B}	{G/W}	{Y/W}	W/B	B	Y/R	*	*	BR/W	BR/B	*	BR	W	*	R/G	R	L	BR	*	P/B	*	*	*	*	25

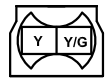
S1-02 Driver side pretensioner seat belt(D)



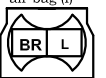
S1-03 Front passenger side pretensioner seat belt(D)



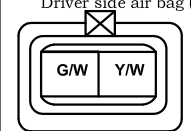
S1-04 Driver air bag(I)



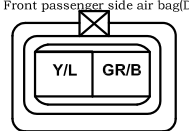
S1-05 Front passenger air bag (I)



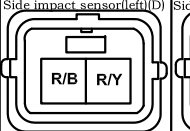
S1-07 Driver side air bag (D)



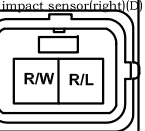
S1-08 Front passenger side air bag(D)



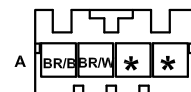
S1-09 Side impact sensor(left)(D)



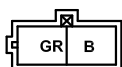
S1-10 Side impact sensor(right)(D)



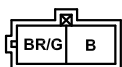
S1-06 Clock spring1(I)



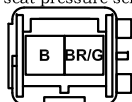
S1-11 Driver seat belt switch(D)

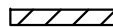


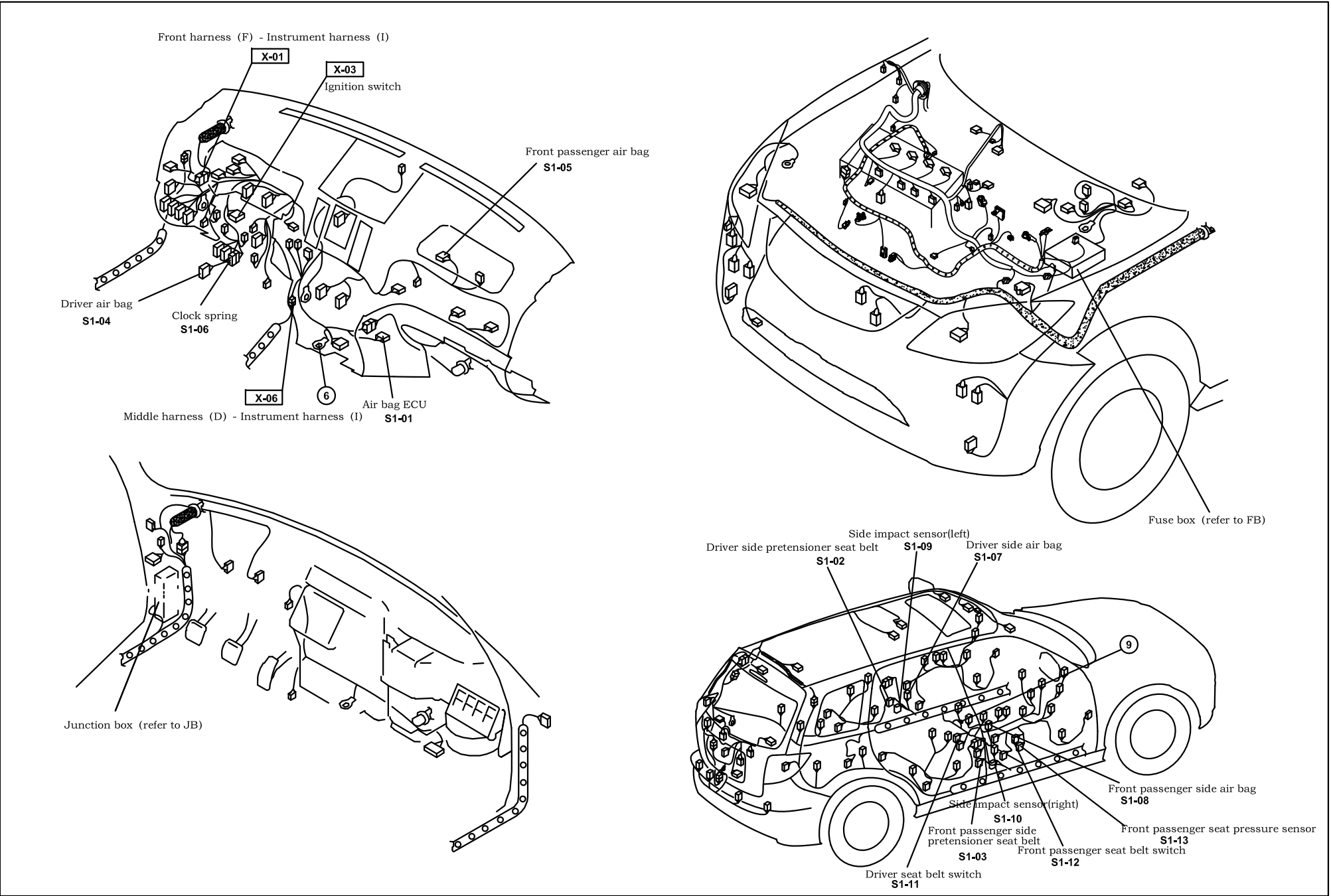
S1-12 Front passenger seat belt switch(D)

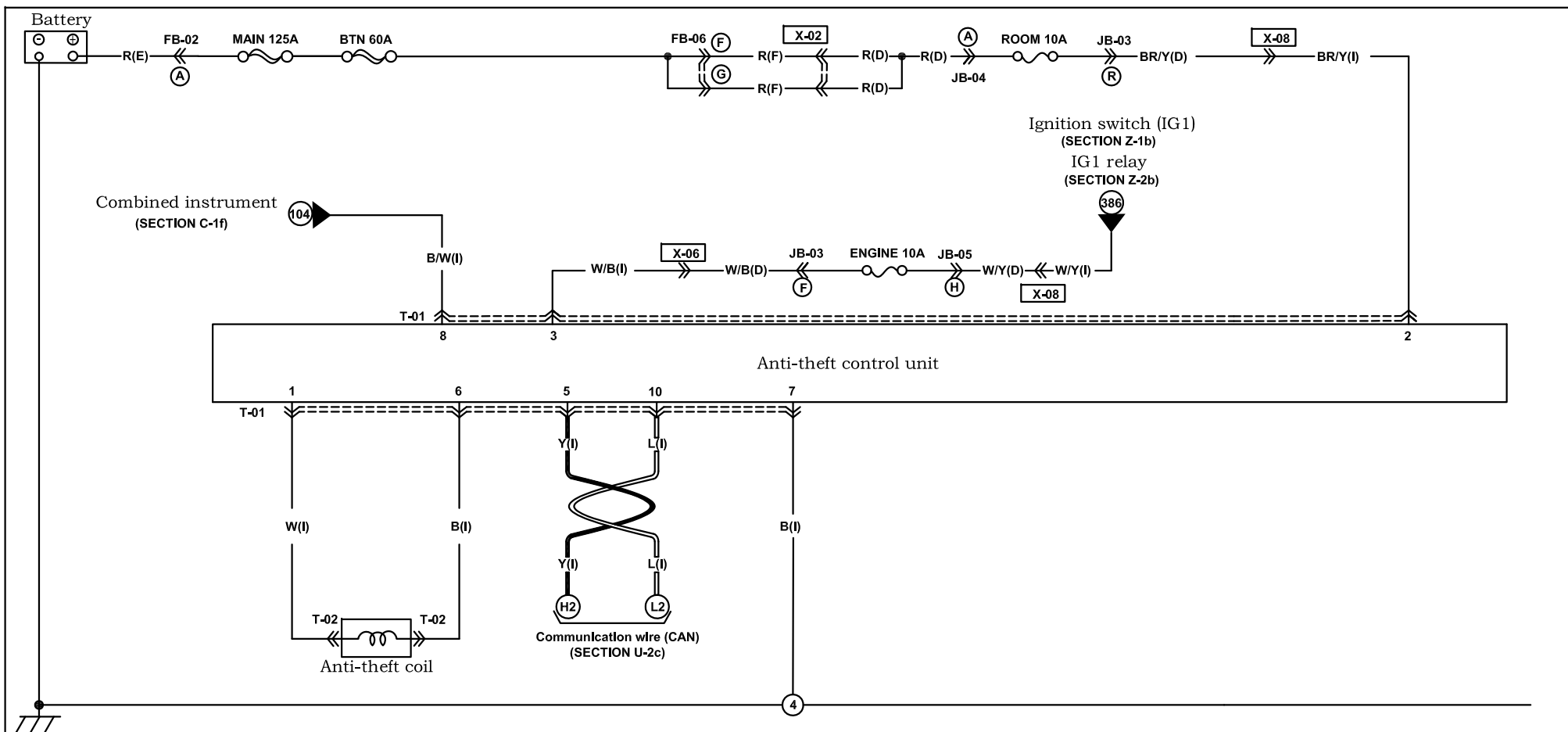


S1-13 Front passenger seat pressure sensor(D)



Harness mark:  (F)  (E)  (D)  (R)

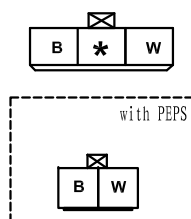


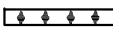
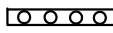
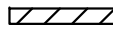


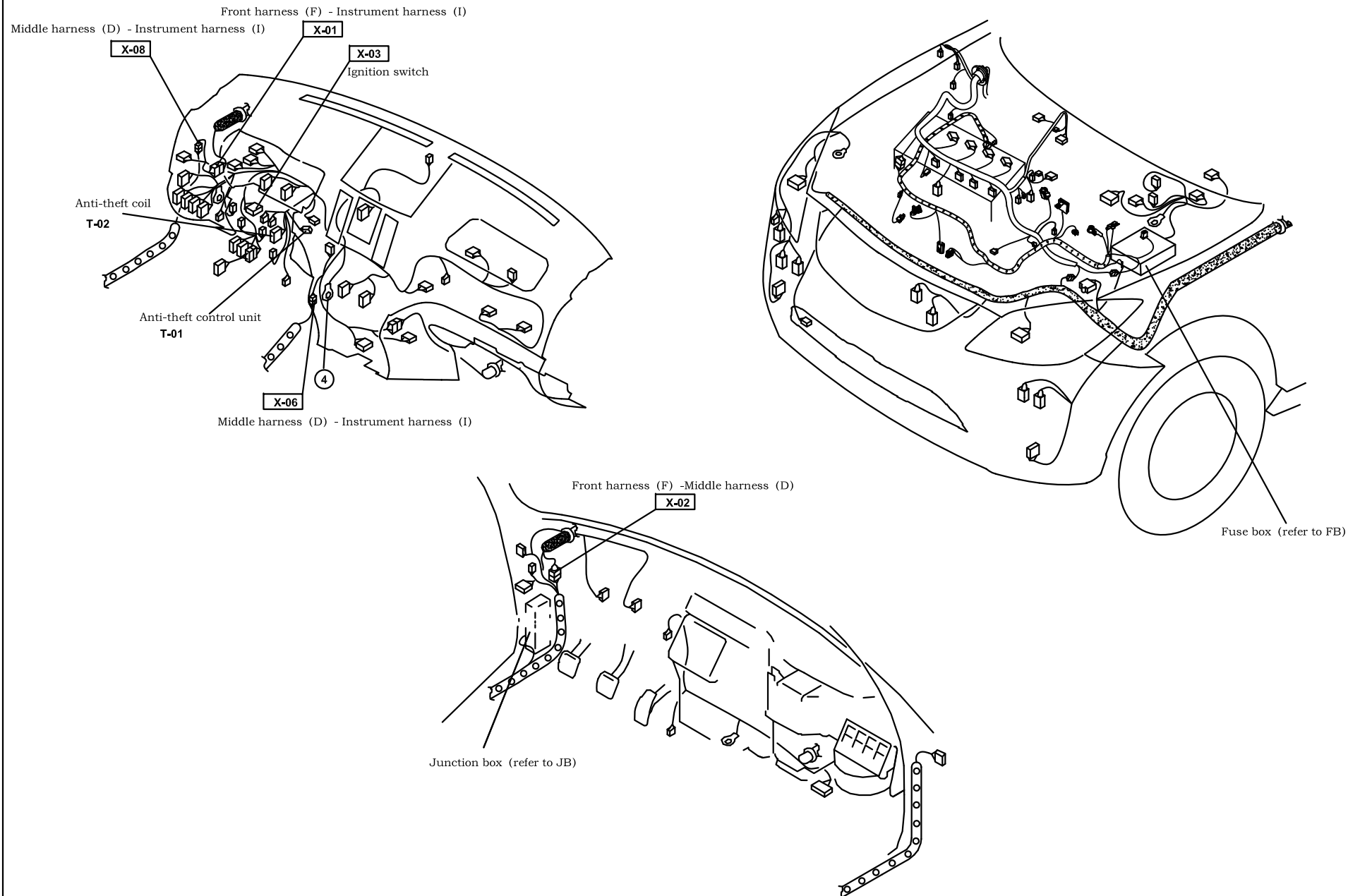
T-01 Anti-theft control unit (I)

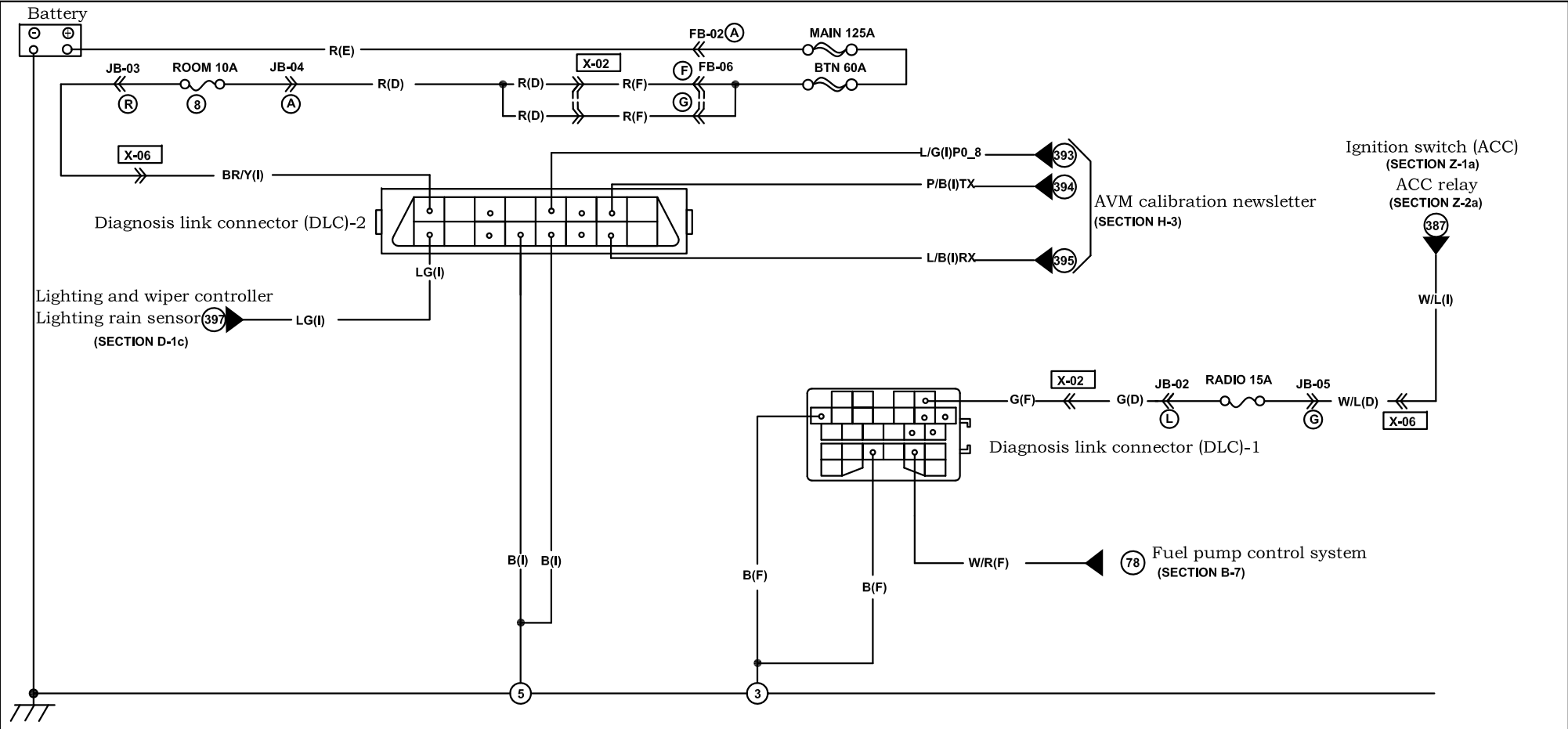
10	9	8	7	6
L	*	B/W	B	B
5	4	3	2	1
Y	*	W/B	BR/Y	W

T-02 Anti-theft coil (I)

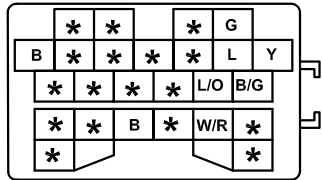


Harness mark:  (F)  (E)  (D)  (R)



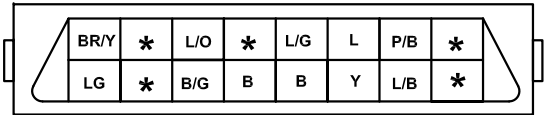


U-01 Diagnosis link connector (DLC)-1 (EM)



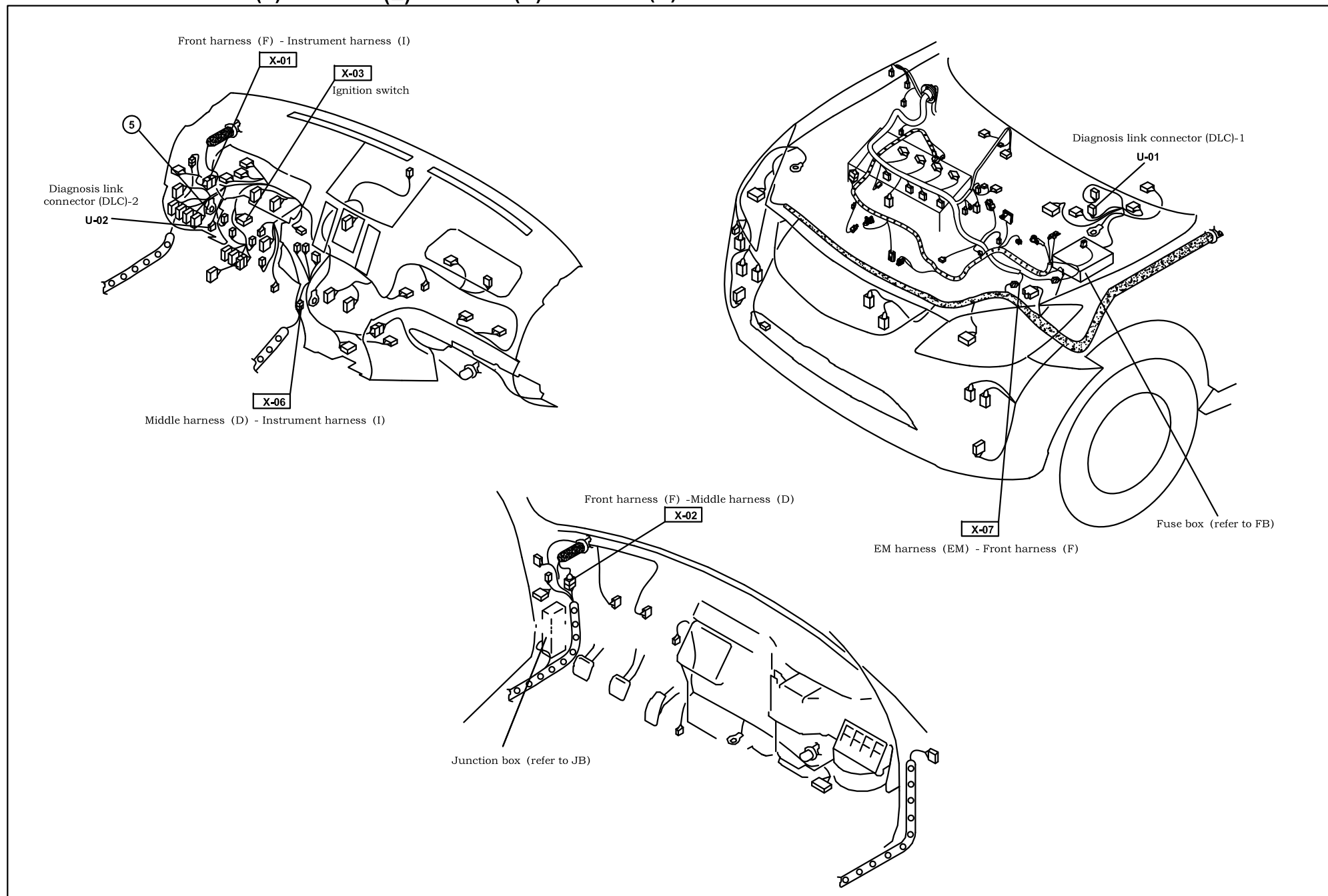
Note: view from the harness terminal

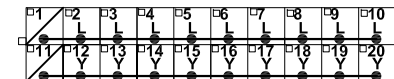
U-02 Diagnosis link connector (DLC)-2(I)

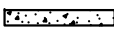
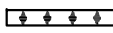
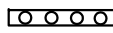
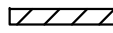


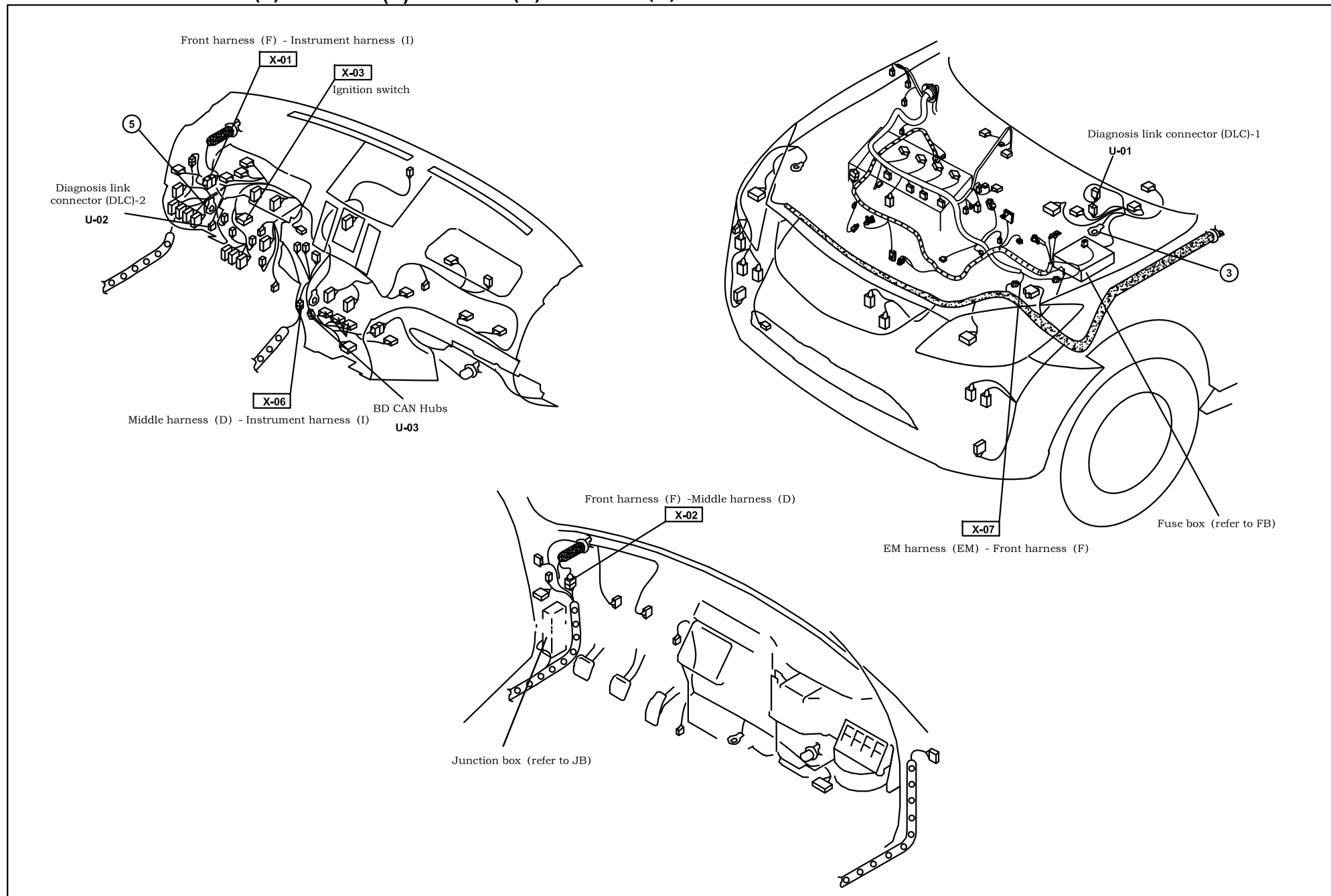
Note: view from the harness terminal

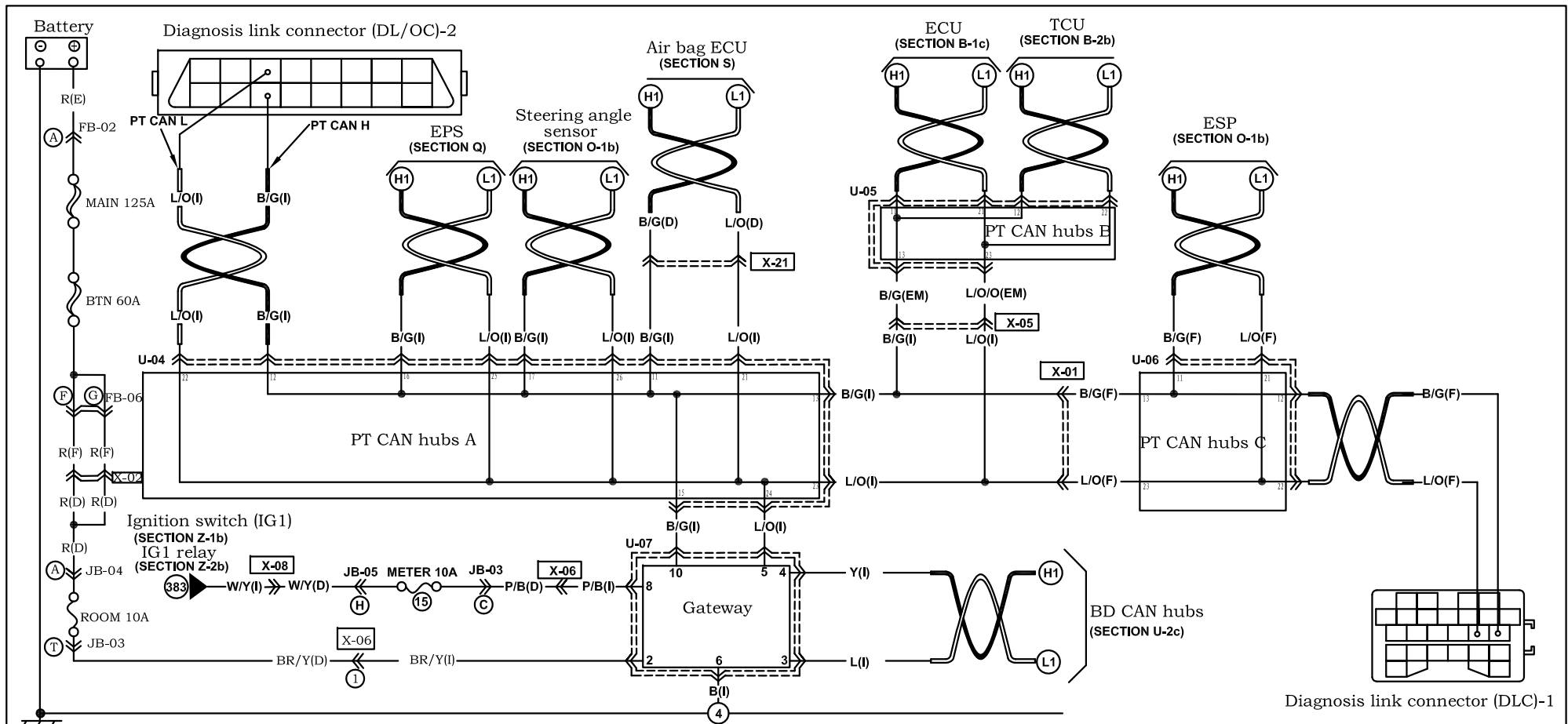
Harness mark:  (F)  (E)  (D)  (R)



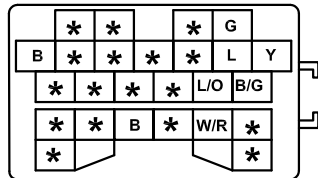


Harness mark:  (F)  (E)  (D)  (R)



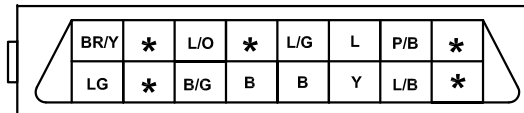


U-01 Diagnosis link connector (DL/OC)(EM)



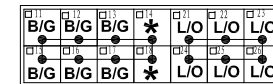
Note: view from the harness terminal

U-02 Diagnosis link connector(DL/OC)-2(I)

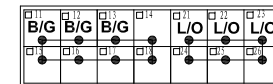


Note: view from the harness terminal

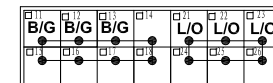
U-04 PT CAN hubs A



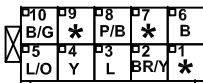
U-05 PT CAN hubs B

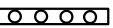


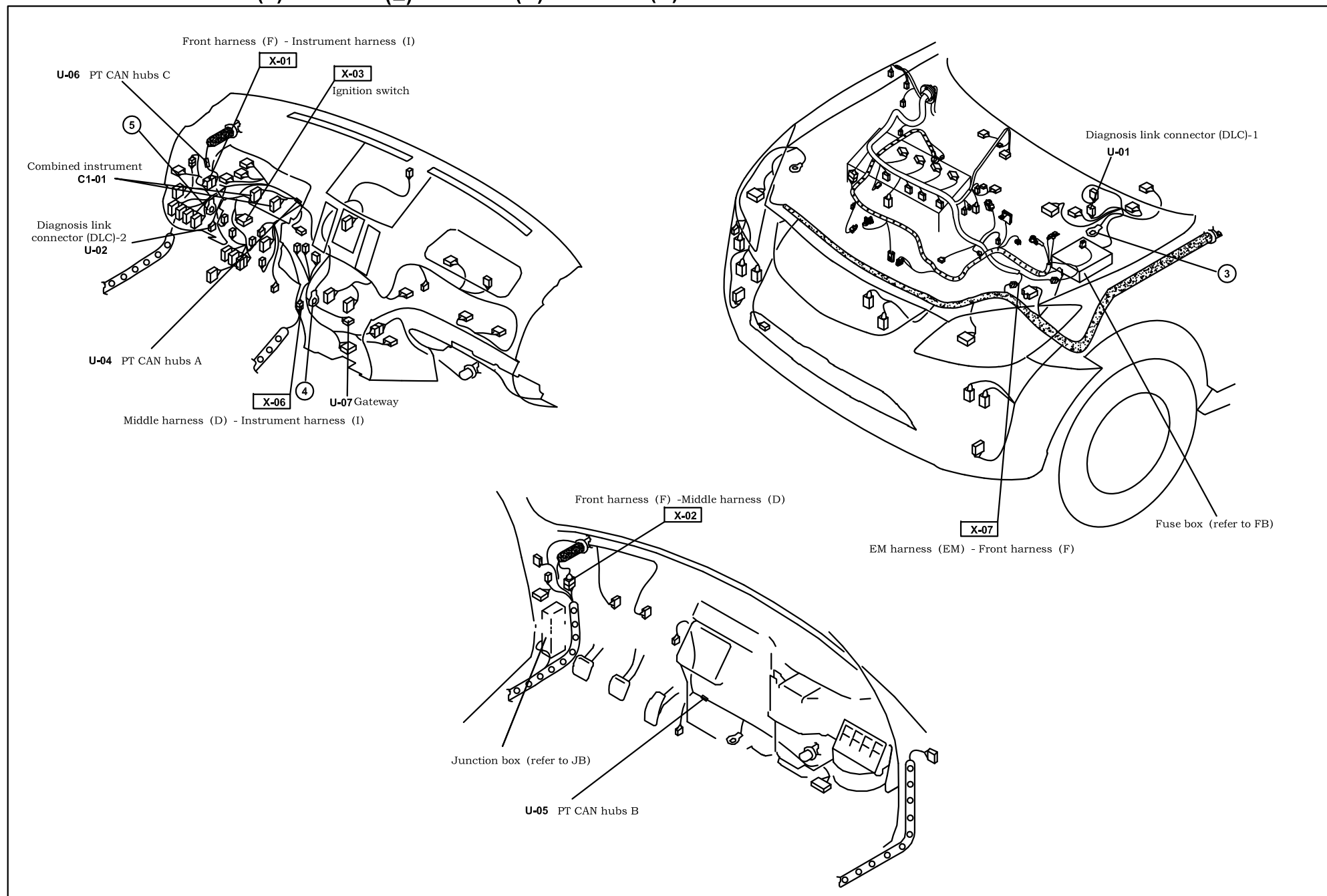
U-06 PT CAN hubs C



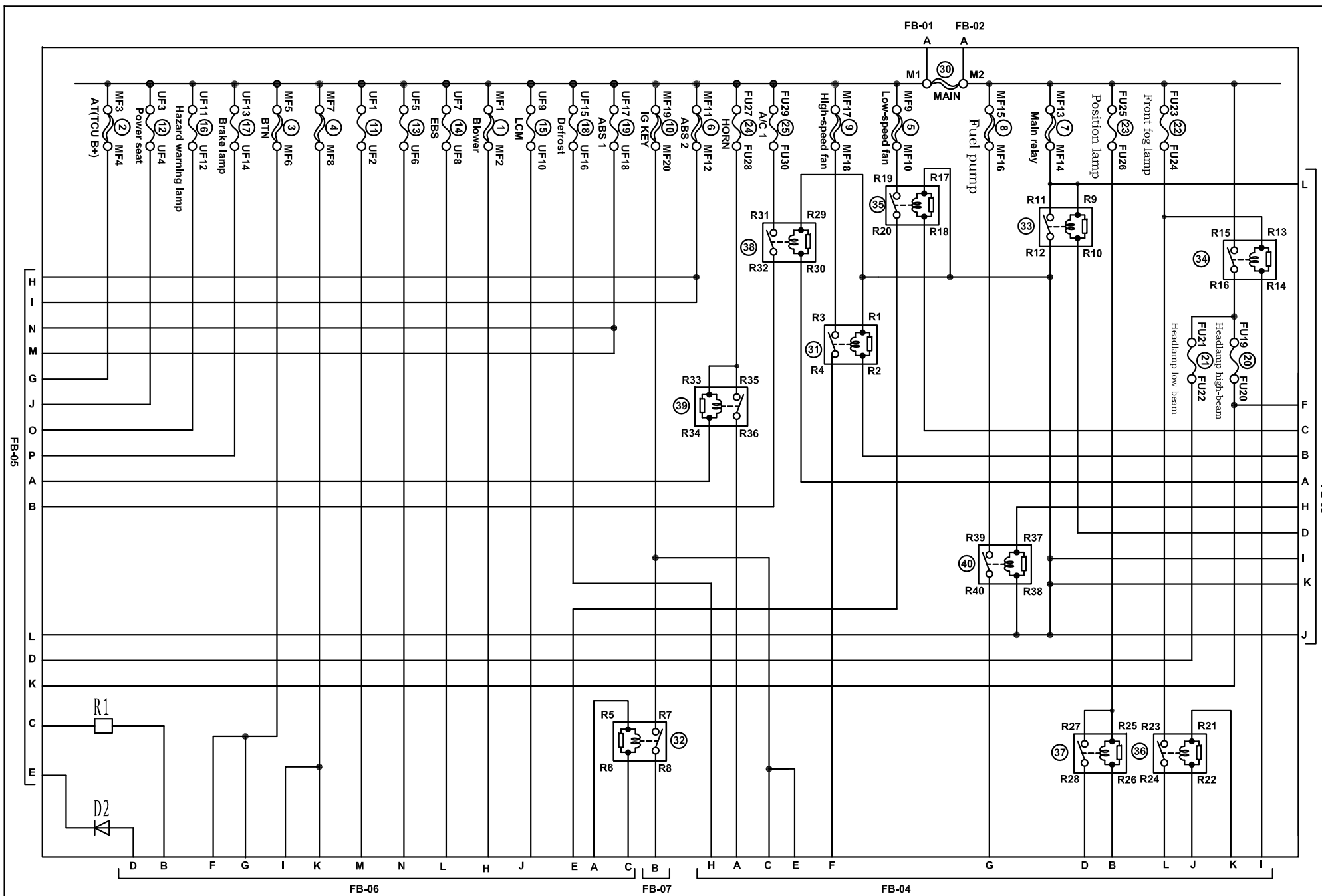
U-07 Gateway



Harness mark:  (F)  (E)  (D)  (R)

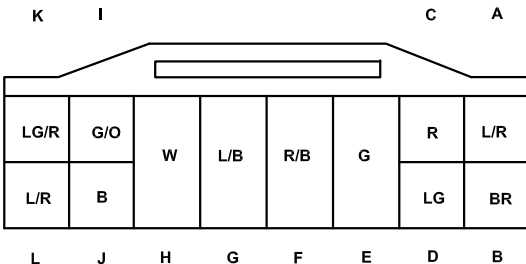
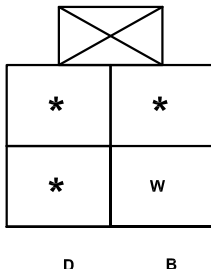
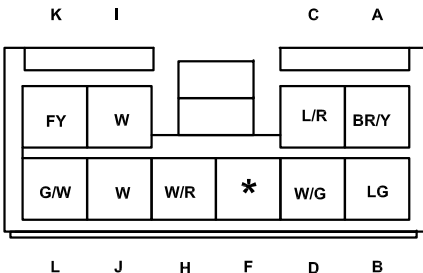
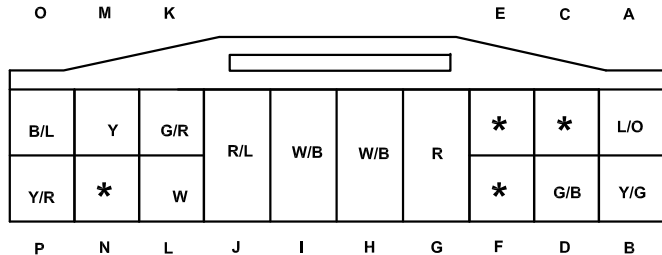
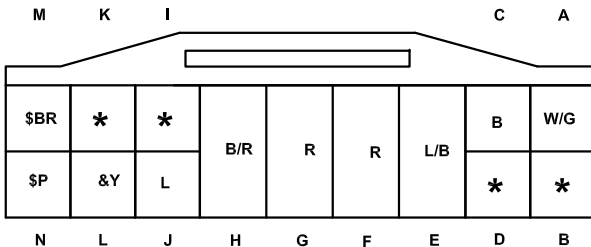


Fuse box wiring diagram (1.8T)

FB

No.	Fuse name	No.	Fuse name	No.	Fuse name	No.	Relay name
①	Blower	⑪	PEPS 1	⑲	Headlamp high-beam	③①	Fan
②	AT(TCU B+)	⑫	Power seat(main)	⑳	Main fuse	③②	Start
③	BTN	⑬	PEPS 2	㉑	Headlamp low-beam	③③	Main relay
④	*	⑭	EBS	㉒	Front fog lamp	③④	Headlamp
⑤	Vacuum pump	⑮	LCM	㉓	Position lamp	③⑤	Vacuum pump
⑥	ABS 2	⑯	Hazard warning lamp	㉔	HORN	③⑥	Front fog lamp
⑦	Main relay	⑰	Brake lamp	㉕	AC 1	③⑦	Position lamp
⑧	Fuel pump	⑱	ABS 1	㉖	*	③⑧	Compressor
⑨	Fan	㉒	Headlamp high-beam	㉗	*	③⑨	Horn
⑩	IG KEY	㉓	Headlamp high-beam	㉘	*	④①	Fuel pump

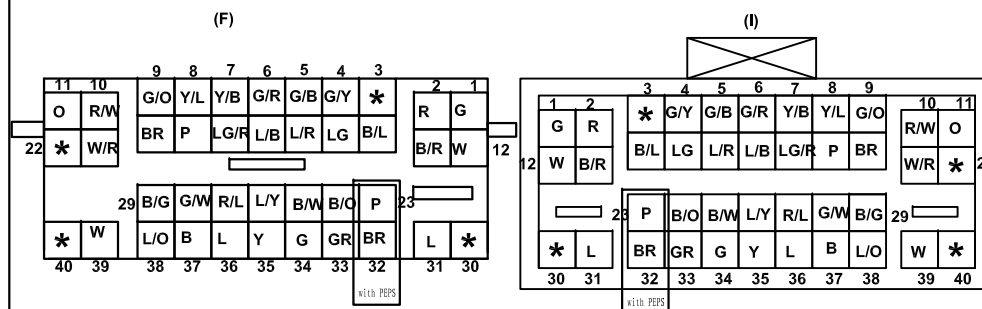
Fuse box (1.8T)

FB-01 Engine harness (E) 	FB-02 Engine harness (E) 	FB-04 Front harness (F) 	FB-07 Engine harness (E) 		
FB-03 EM harness (EM) 		FB-05 Front harness (F) 		FB-06 Front harness (F)  \$ with PEPS & with start-stop	

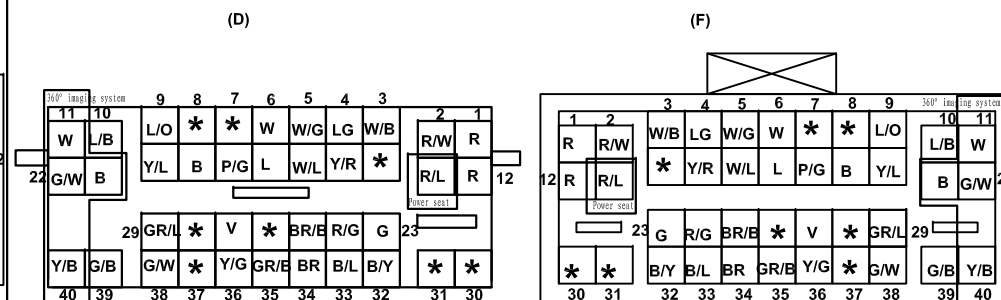
Common connector list (1.8T)

X-1

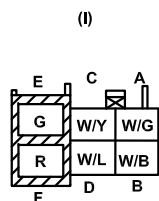
X-01 Front harness (F) - Instrument harness (I)



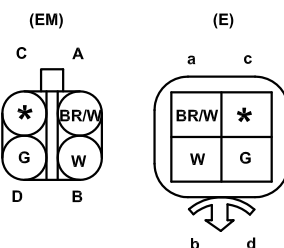
X-02 Front harness (F) -Middle harness (D)



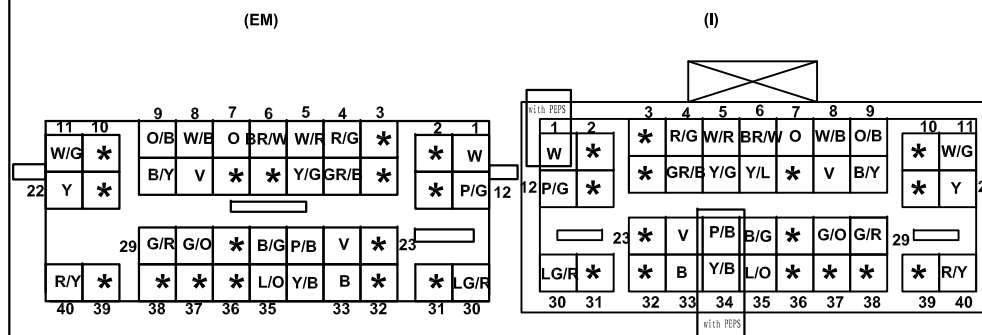
X-03 Ignition switch (I) & with start-stop



X-04 Engine harness (E) - EM harness (EM) & with start-stop

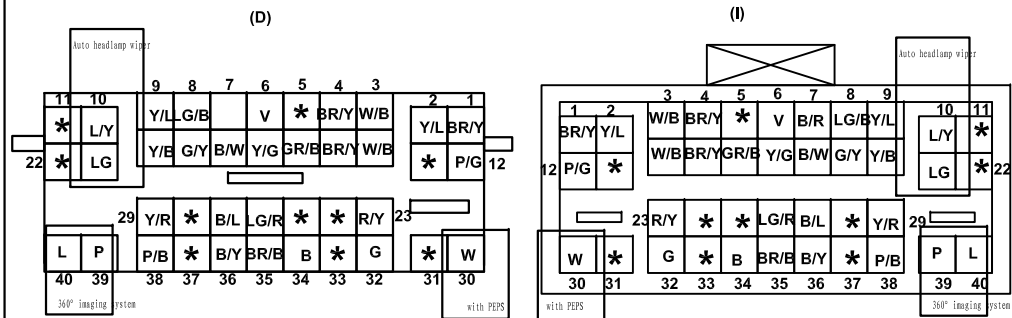


X-05 EM harness (EM) - Instrument harness (I)

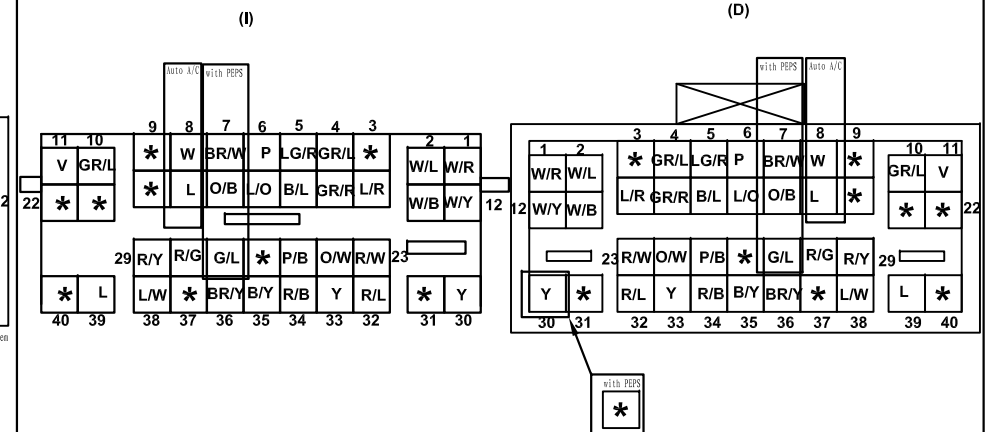


Common connector list (1.8T)

X-06 Middle harness (D) - Instrument harness (I)

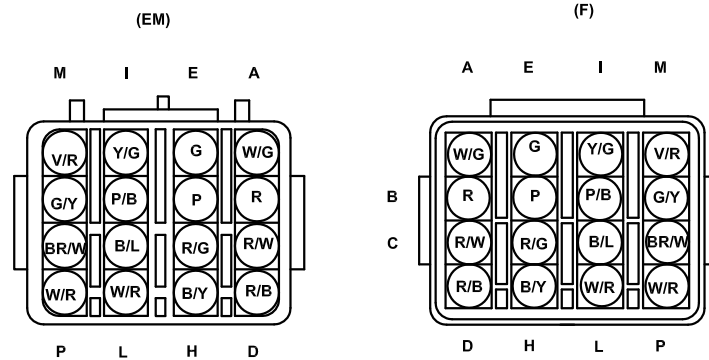


X-08 Middle harness (D) - Instrument harness (I)



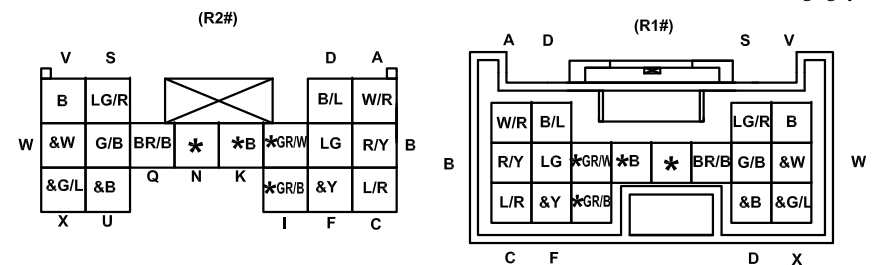
X-07 EM harness (EM) - Front harness (F)

< > with AT



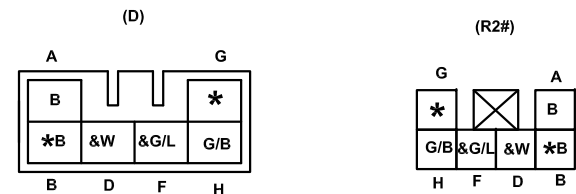
X-09 1# back door harness (R1#) -2# back door harness (R2#)

* with reversing camera
& with 360° imaging system



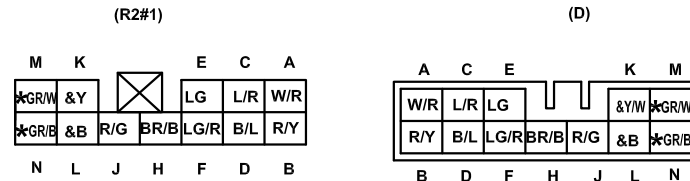
X-10 Middle harness(D) -2# back door harness (R2#2)

* with reversing camera
& with 360° imaging system



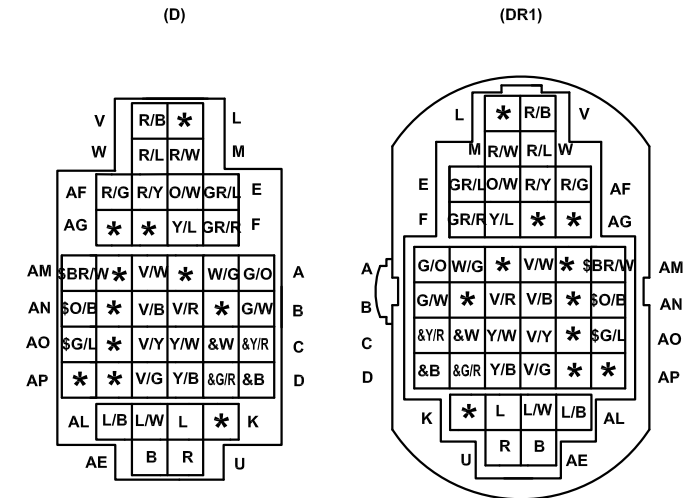
X-11 2# back door harness (R2#1) -Middle harness (D)

* with reversing camera
& with 360° imaging system



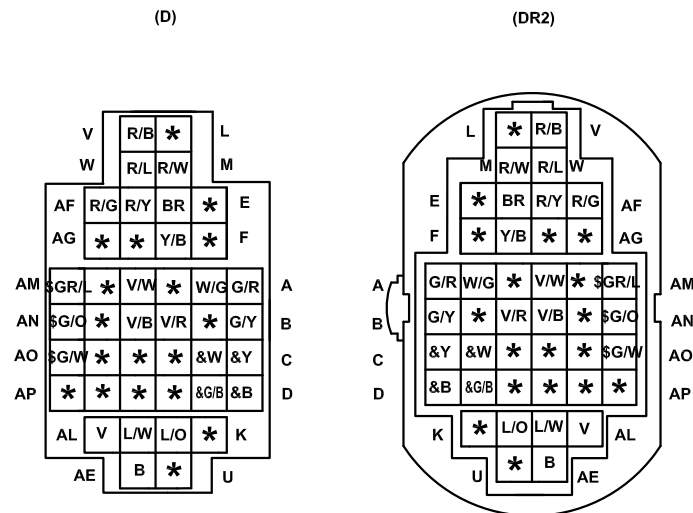
X-12 Middle harness (D) -Front door harness (DR1)

\$ with PEPS
& with 360° imaging system

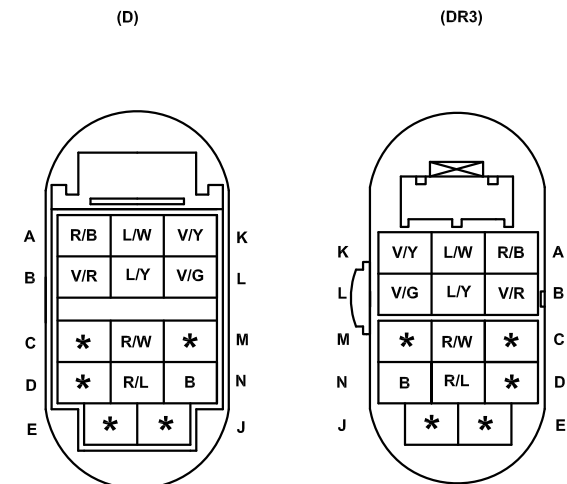


X-13 Middle harness (D) - Front door harness (DR2)

\$ with PEPS
& with 360° imaging system

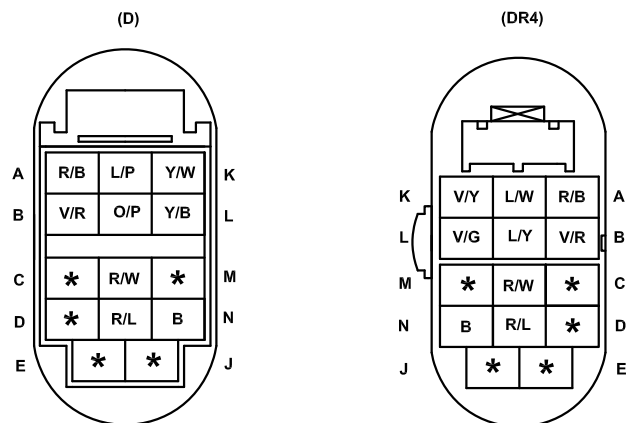


X-14 Middle harness (D) -Rear left door harness (DR3)

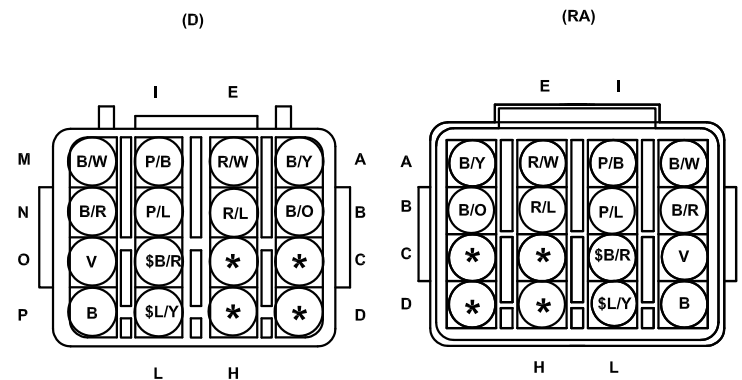


Common connector list (1.8T)

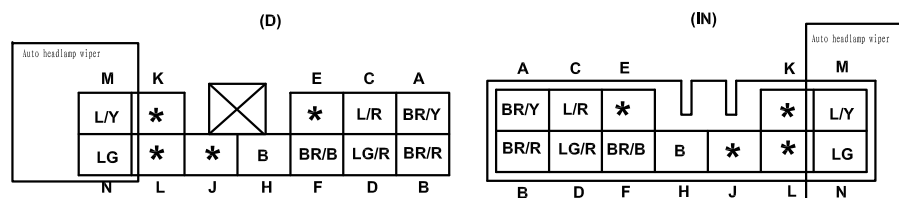
X-15 Middle harness (D) -Rear right door harness (DR4)



X-16 Middle harness (D) - Reversing radar harness (RA)



X-17 Middle harness (D) -Interior harness (IN)



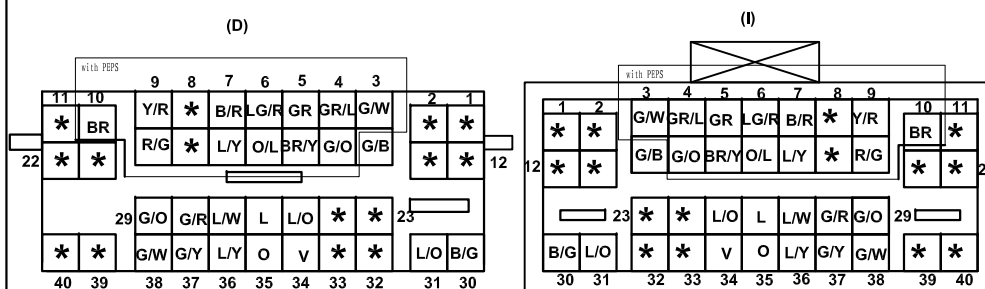
X-19 Middle harness (D) -Instrument harness (I)



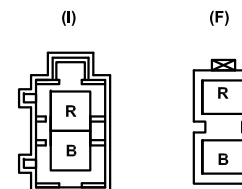
X-20 Middle harness (D) -Instrument harness (I)



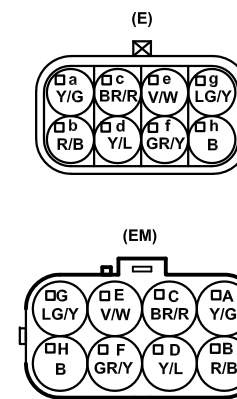
X-21 Middle harness (D) -Instrument harness (I)

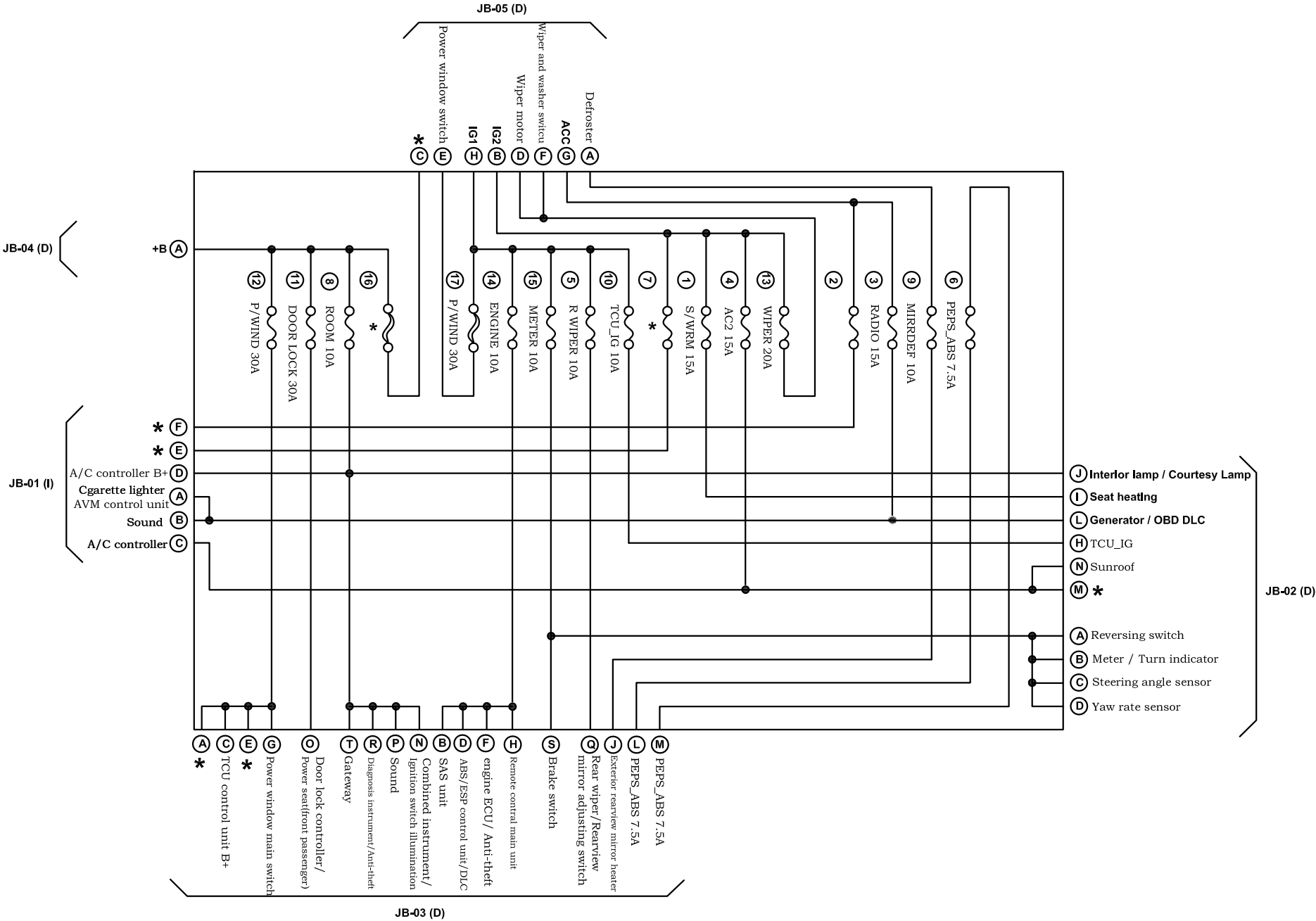


X-22 Instrument harness (I) -Front harness (F)



X-23 Engine harness (E) -EM harness (EM)





Junction box (1.8T)

