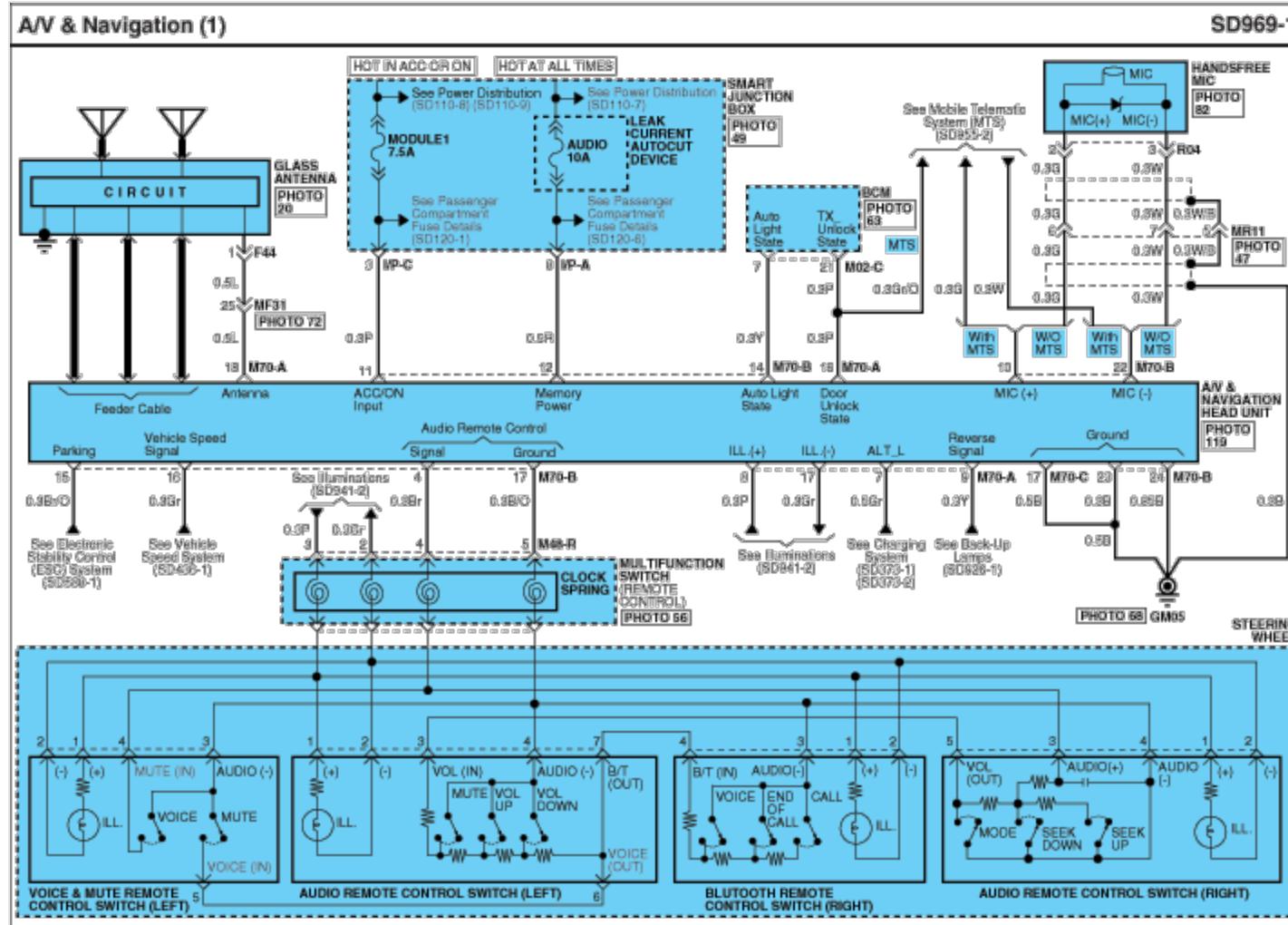


Schematic Diagrams

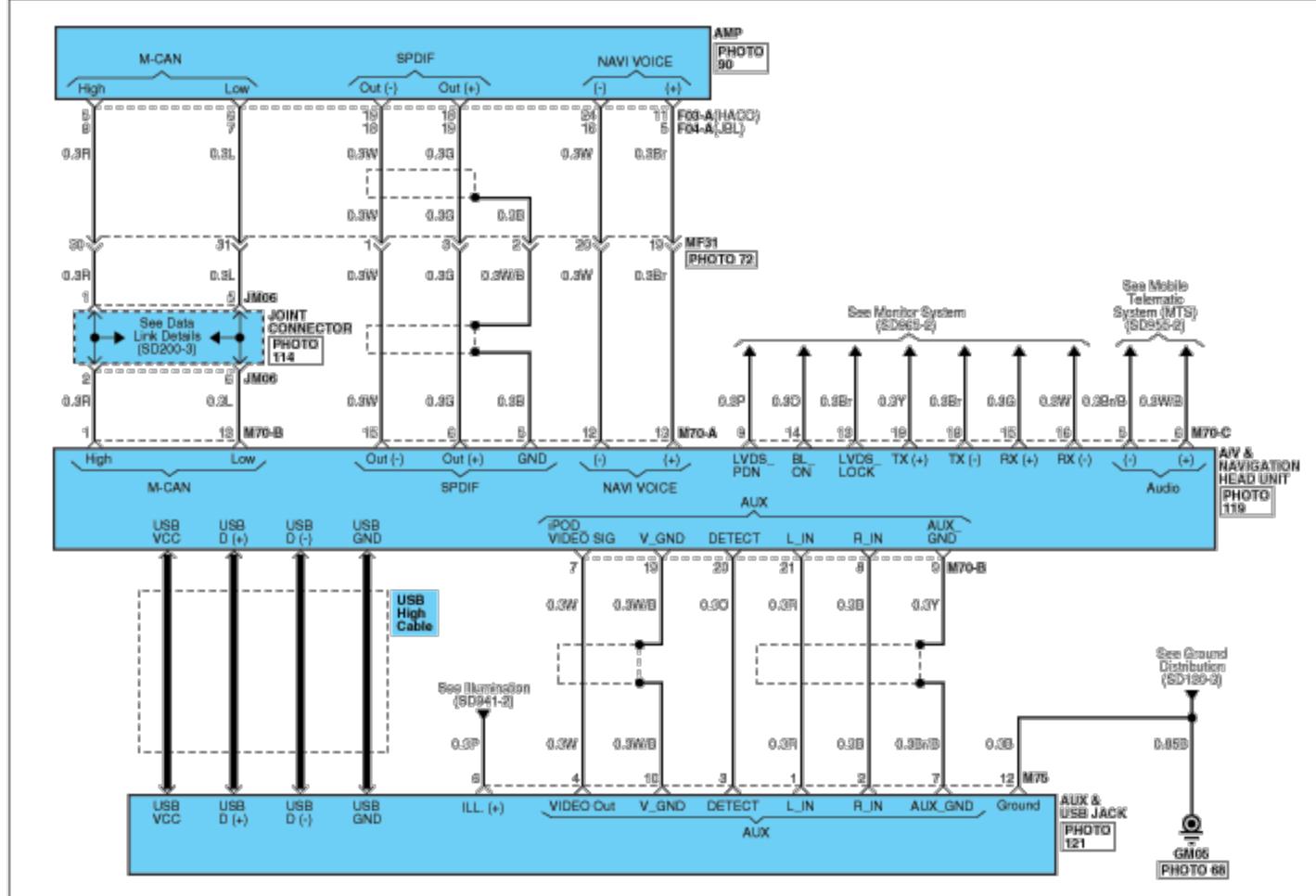


A/V & Navigation



A/V & Navigation (2)

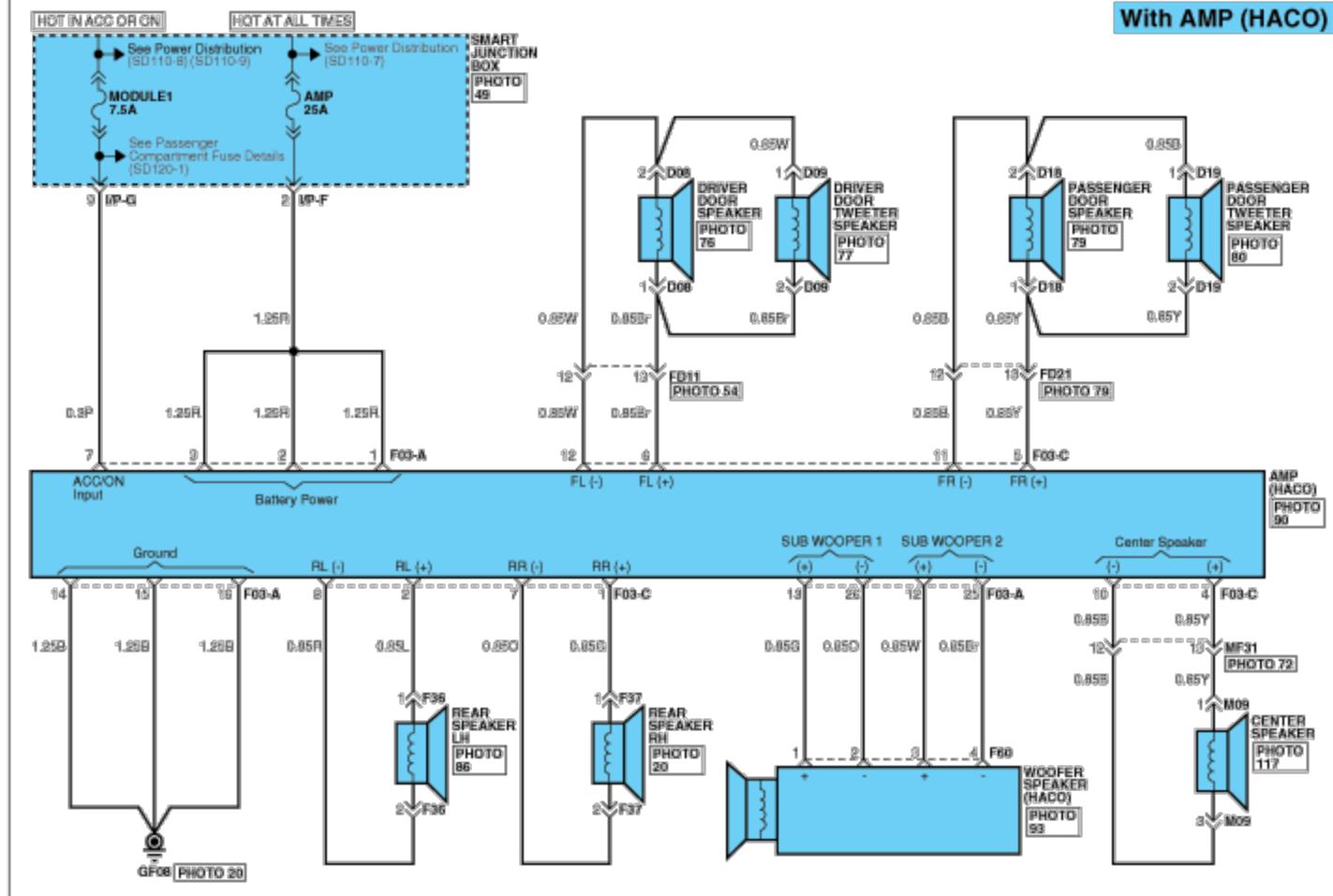
SD969-2



A/V & Navigation (3)

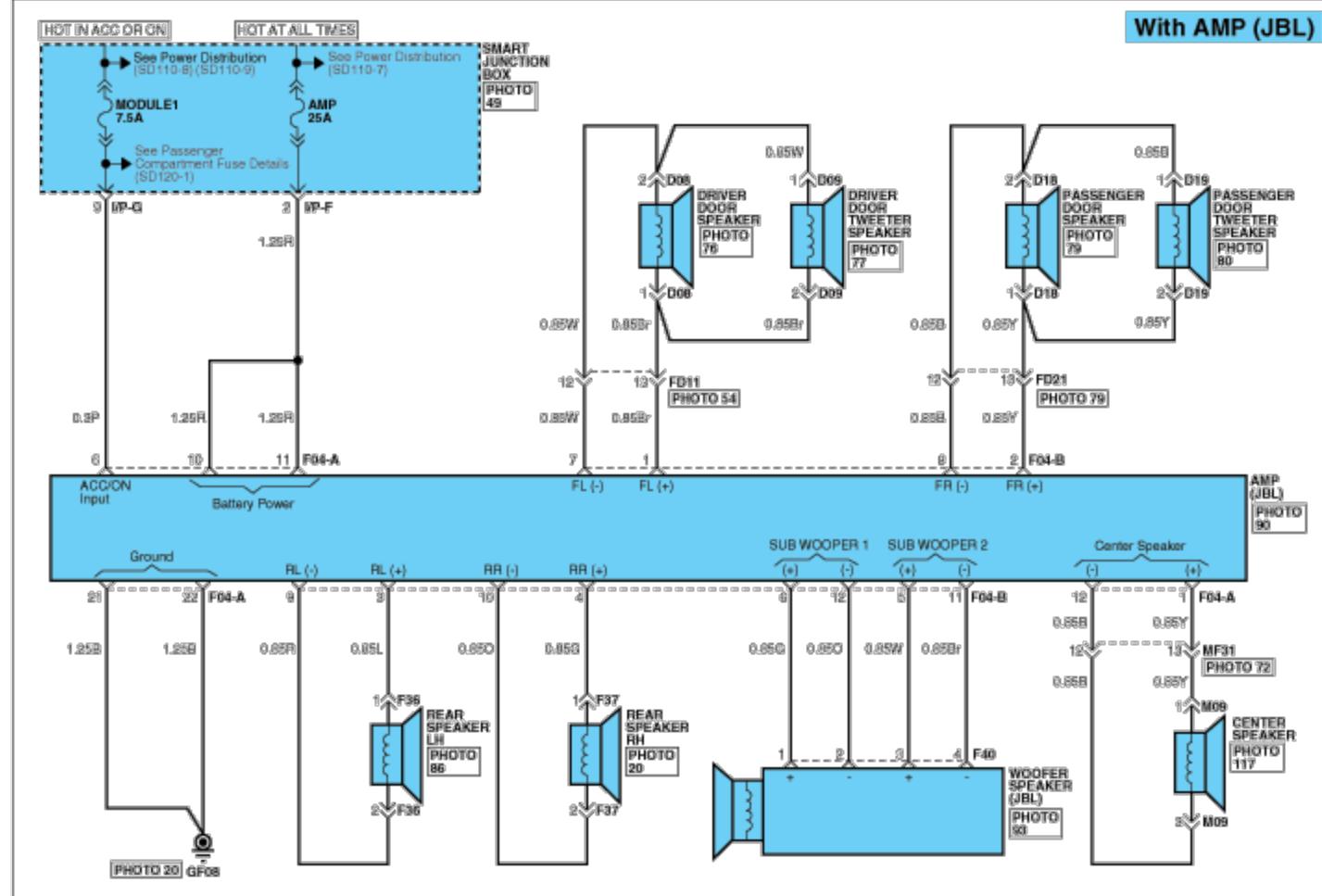
SD969-3

With AMP (HACO)



A/V & Navigation (3)

SD969-4



A/V & Navigation (5)				SD969-5
D08	D09	D18	D19	
KET_098II_08F_W_L	KUM_CDF_08F_W	KET_098II_08F_W_L	KUM_CDF_08F_W	
F03-A	F03-C	F04-A	F04-B	
AMP_0407_32P_W_HD	AMP_0407_32P_W_079	AMP_0407_32P_W	AMP_075M1_32P_W	
F36	F37	F40	F44	
KET_098II_08F_W_L	KET_098II_08F_W_L	KET_098II_04F_W	AMP_PLM2_01F_W_187	
F60	M02-C	M09	M48-R	
KET_098II_08F_W	AMP_098II_32P_GR_D	AMP_070_32P_W_HGR	AMP_025_32P_W	
M70-A	M70-B	M70-C	M75	
KET_0982S_16F_W	KET_0982S_24F_W	AMP_025_32F_W	AMP_025_32F_W	

A/V & Navigation (6)	SD969-6
R04  KET_SP_B4F_W	BLANK

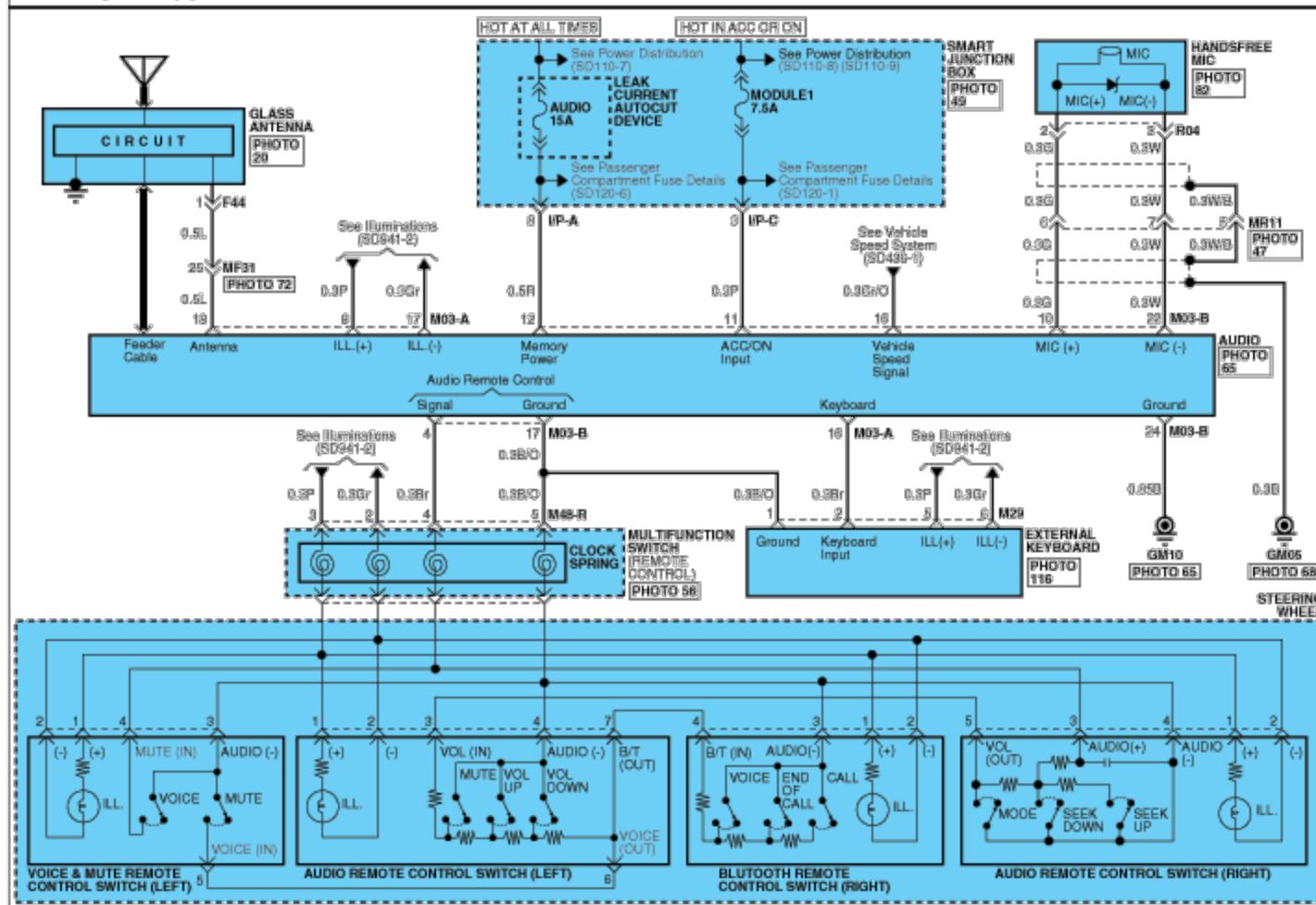
Schematic Diagrams



Audio System

Audio System (1)

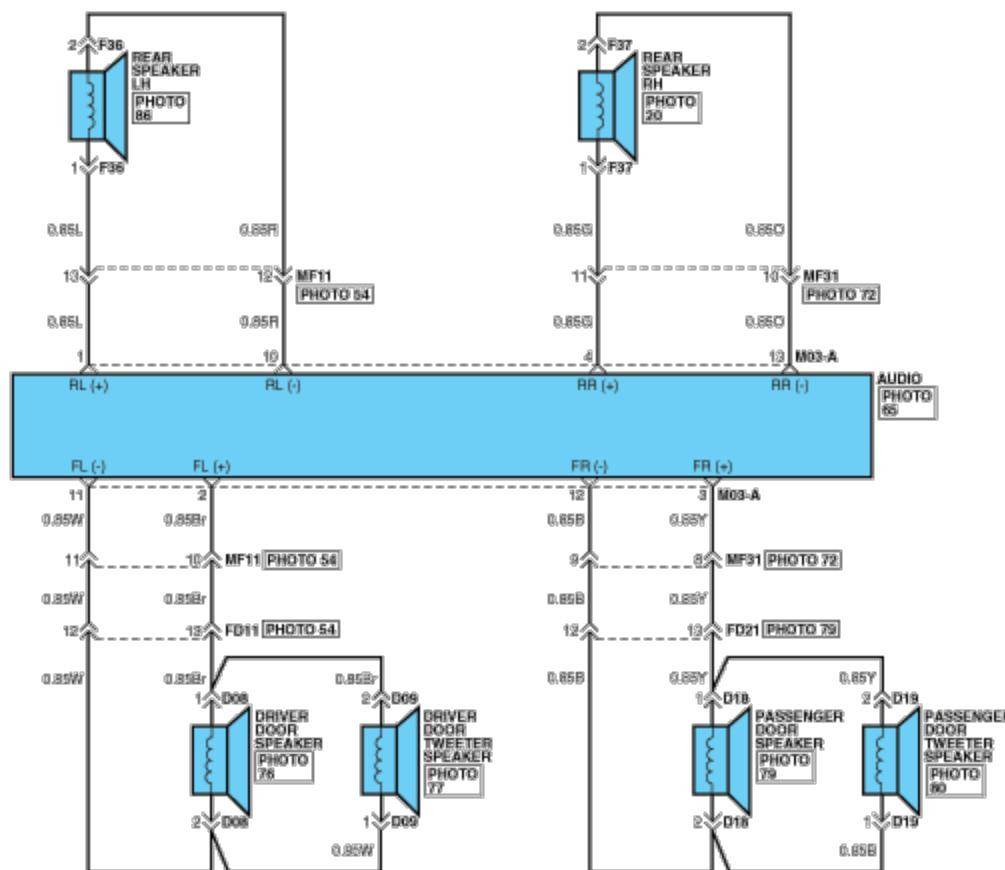
SD961-1

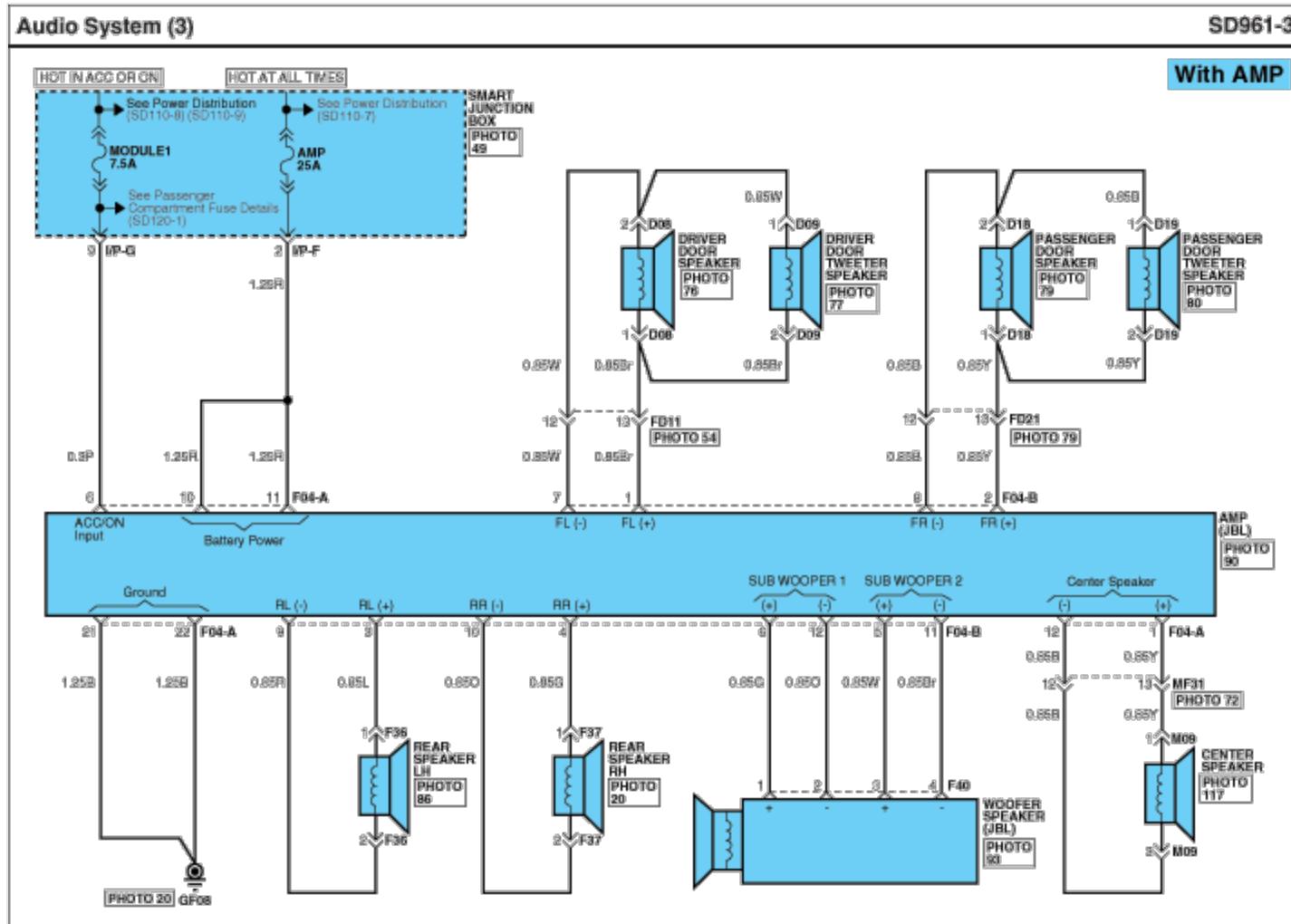


Audio System (2)

SD961-2

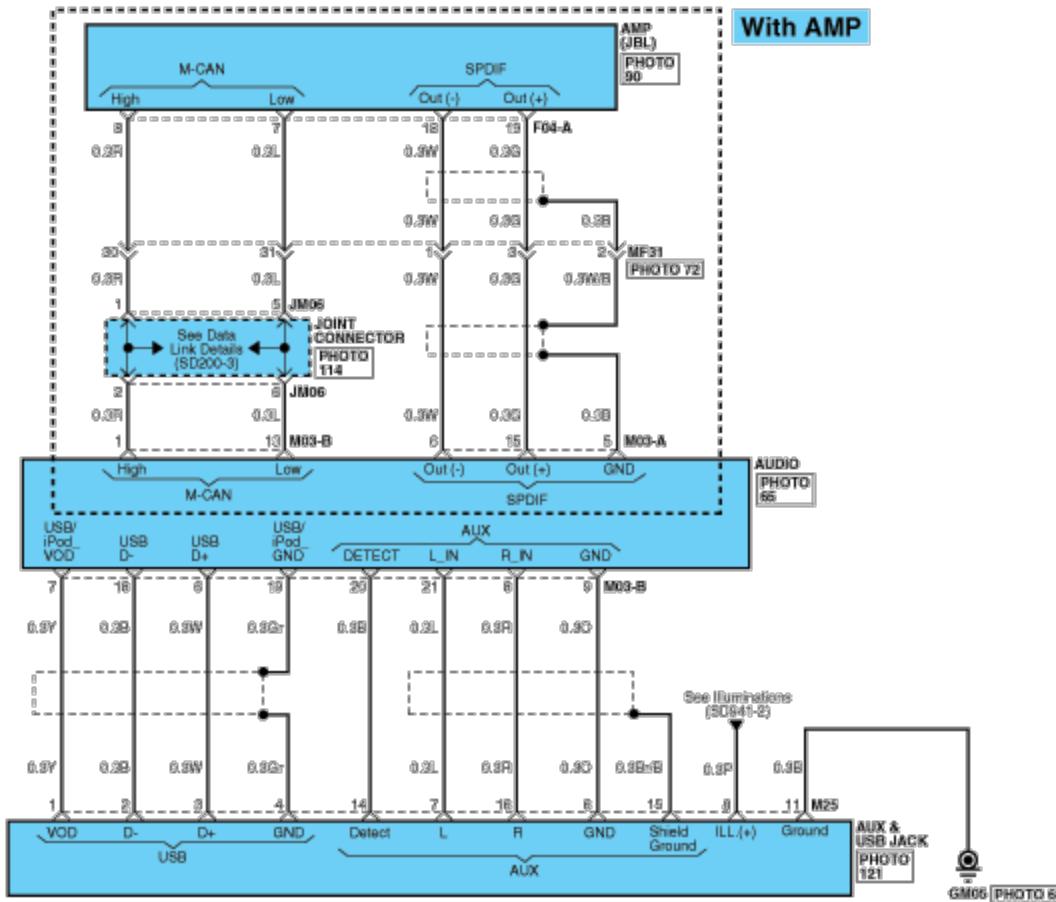
W/O AMP

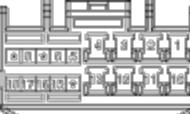
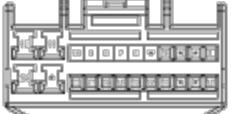
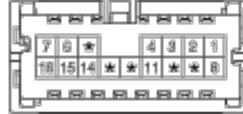
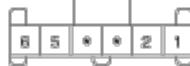
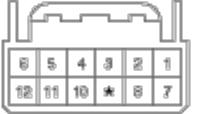




Audio System (4)

SD961-4

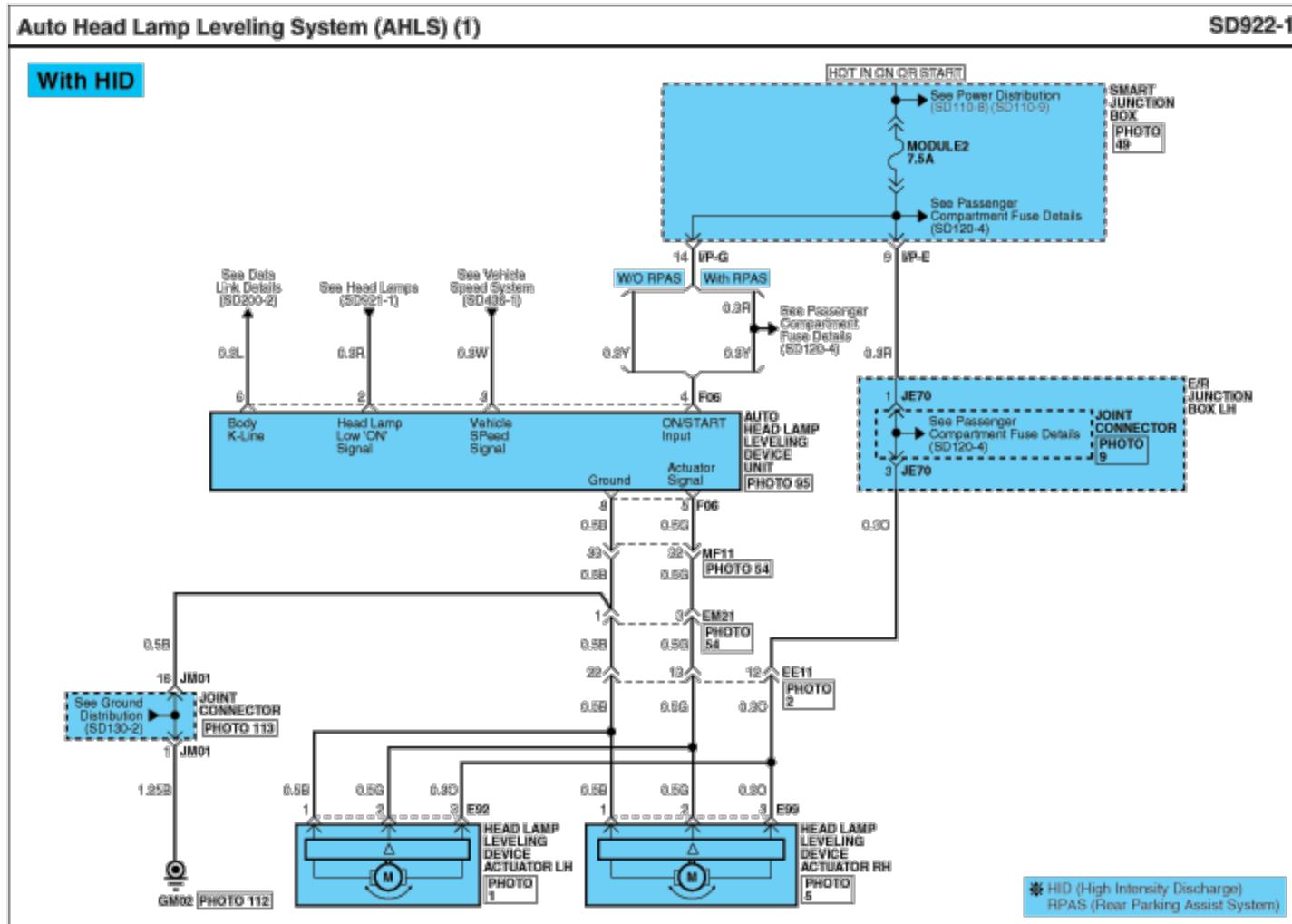


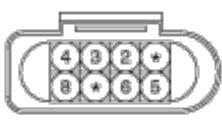
SD961-5			
D08	D09	D18	D19
			
KET_098II_02F_W_L	KUM_CDR_02F_W	KET_098II_02F_W_L	KUM_CDR_02F_W
F04-A	F04-B	F36	F37
			
AMP_0407_02P_W	AMP_0708II_12P_W	KET_098II_02F_W_L	KET_098II_02F_W_L
F40	F44	M03-A	M03-B
			
KET_098II_04F_W	AMP_PLM0_01F_W_18P	KET_098II_16F_W	KET_098II_24F_W
M09	M25	M29	M48-R
			
AMP_0708_02F_W_HOR	KET_048II_16F_W	KET_07A_02F_W	AMP_025_02P_W
R04	BLANK	BLANK	BLANK
			
KET_SP_04F_W			

Schematic Diagrams



Auto Head Lamp Leveling System (AHLS)

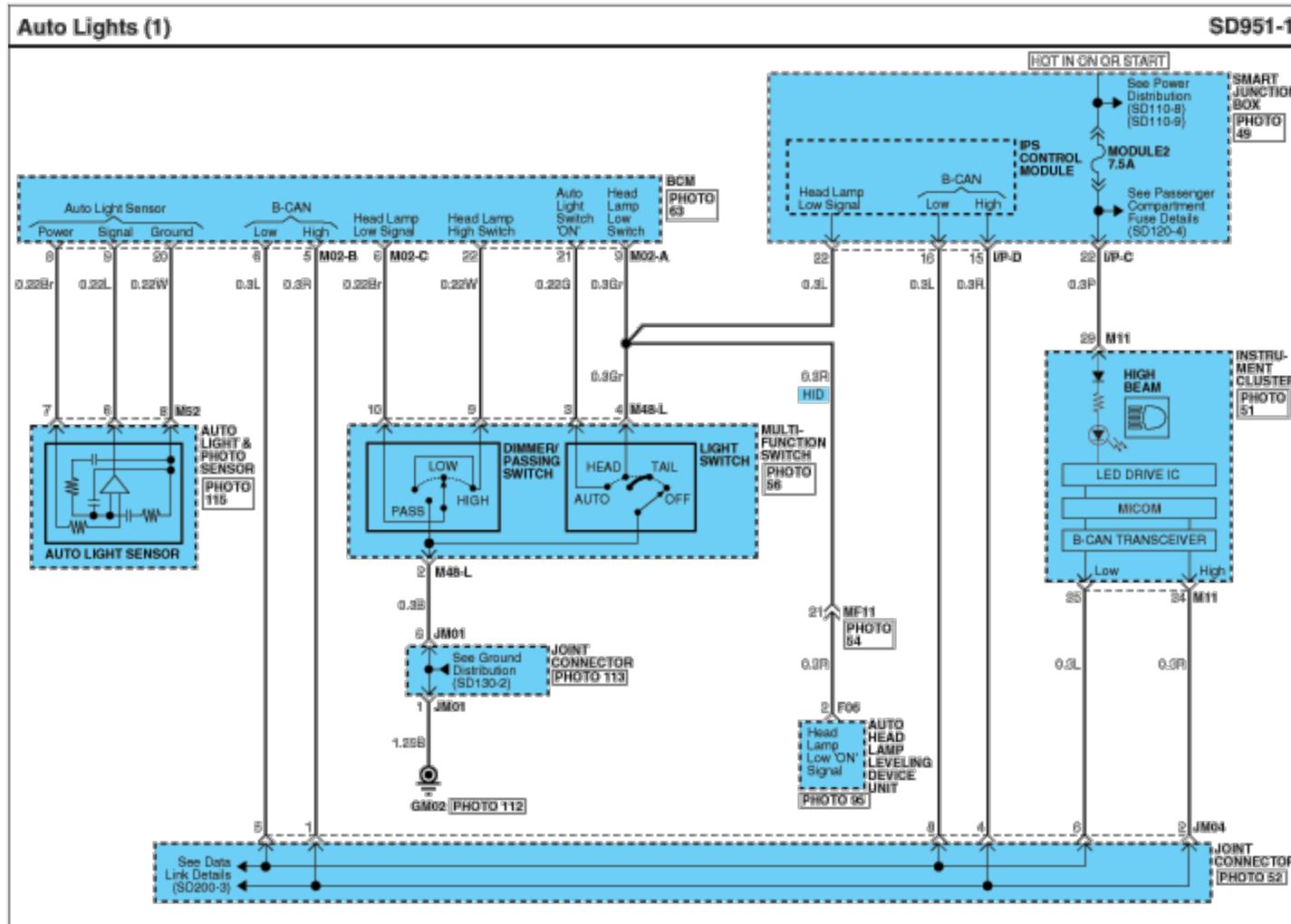


Auto Head Lamp Leveling System (AHLS) (2)			SD922-2
E92  AMP_025NP_05F_E	E99  AMP_025NP_05F_E	F06  FEP_025NP_05F_E	BLANK

Schematic Diagrams

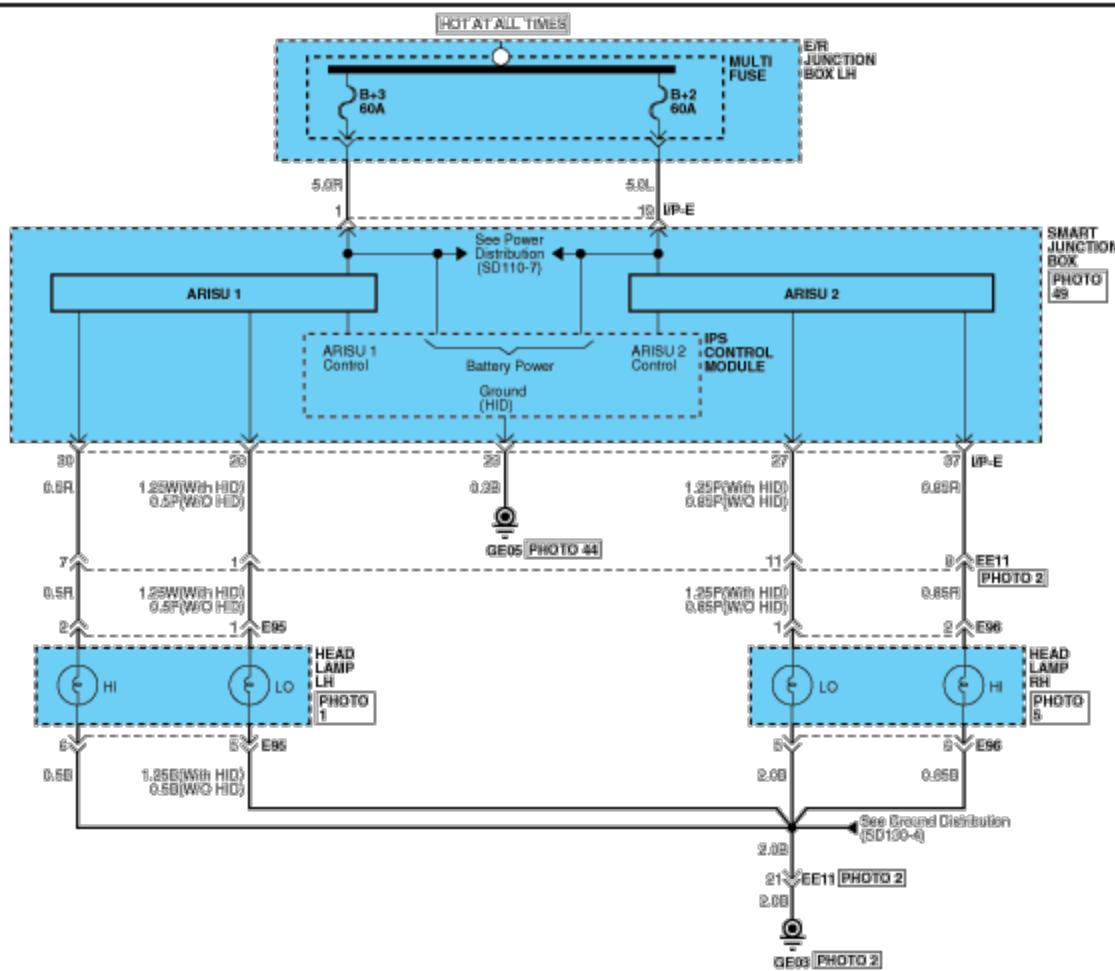


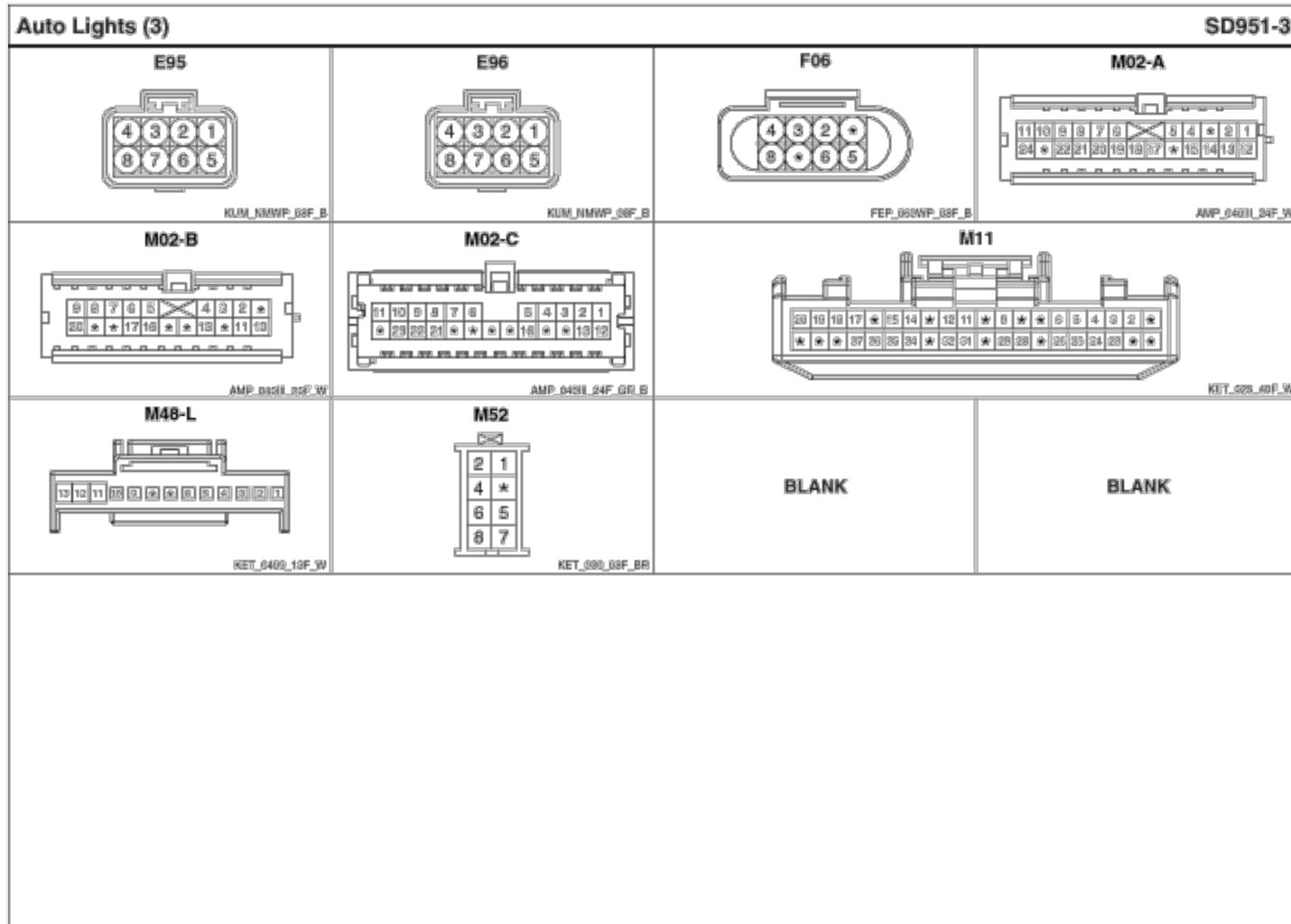
Auto Lights



Auto Lights (2)

SD951-2





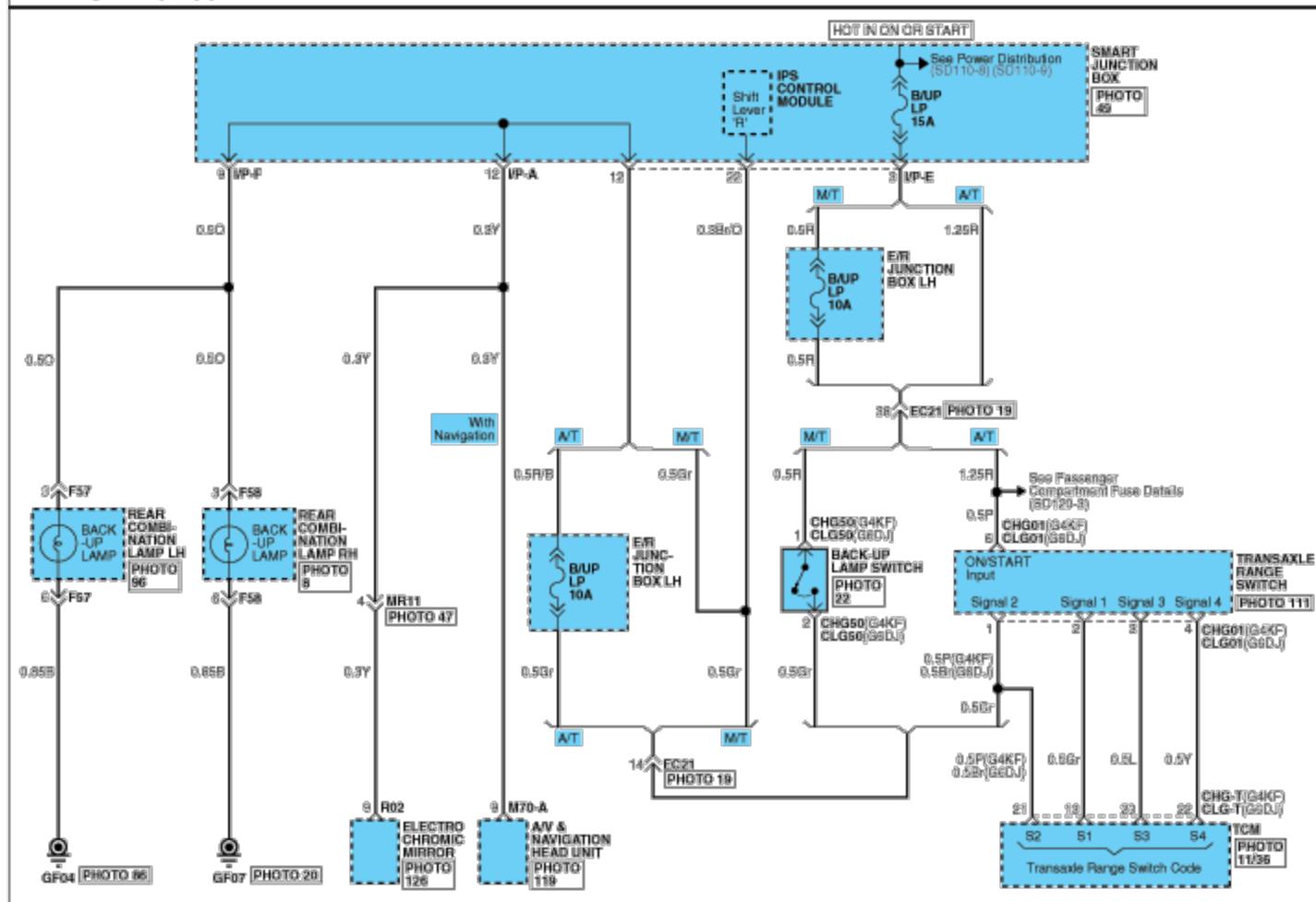
Schematic Diagrams

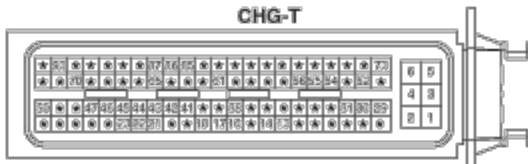
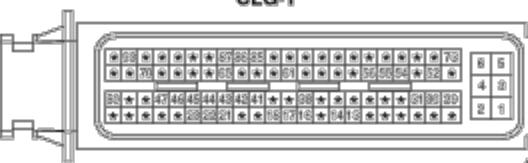
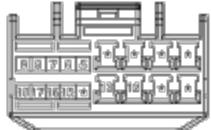
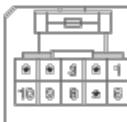


Back-Up Lamps

Back-Up Lamps (1)

SD926-1



Back-Up Lamps (2)		SD926-2
CHG-T		AMP_EGU_04F_B
CLG-T		AMP_EGU_04F_B
F57		KET_060II_0SF_W
F58		KET_060II_0SF_W
CHG01		KET_060IWP_0SF_B
CLG01		KET_060IWP_0SF_B
M70-A		KET_06025_16F_W
R02		SUM_025_16F_B

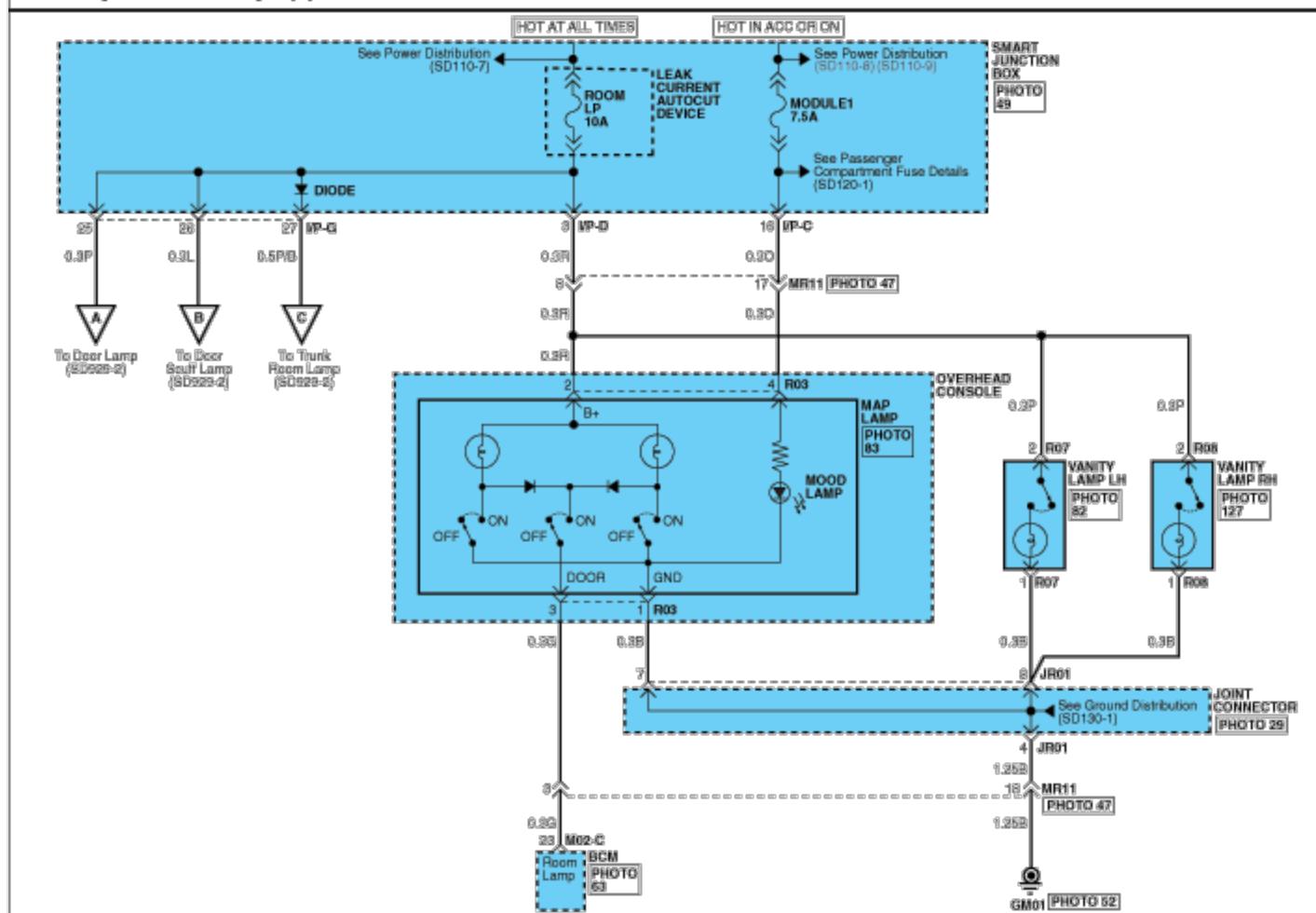
Schematic Diagrams



Courtesy & Trunk Lamps

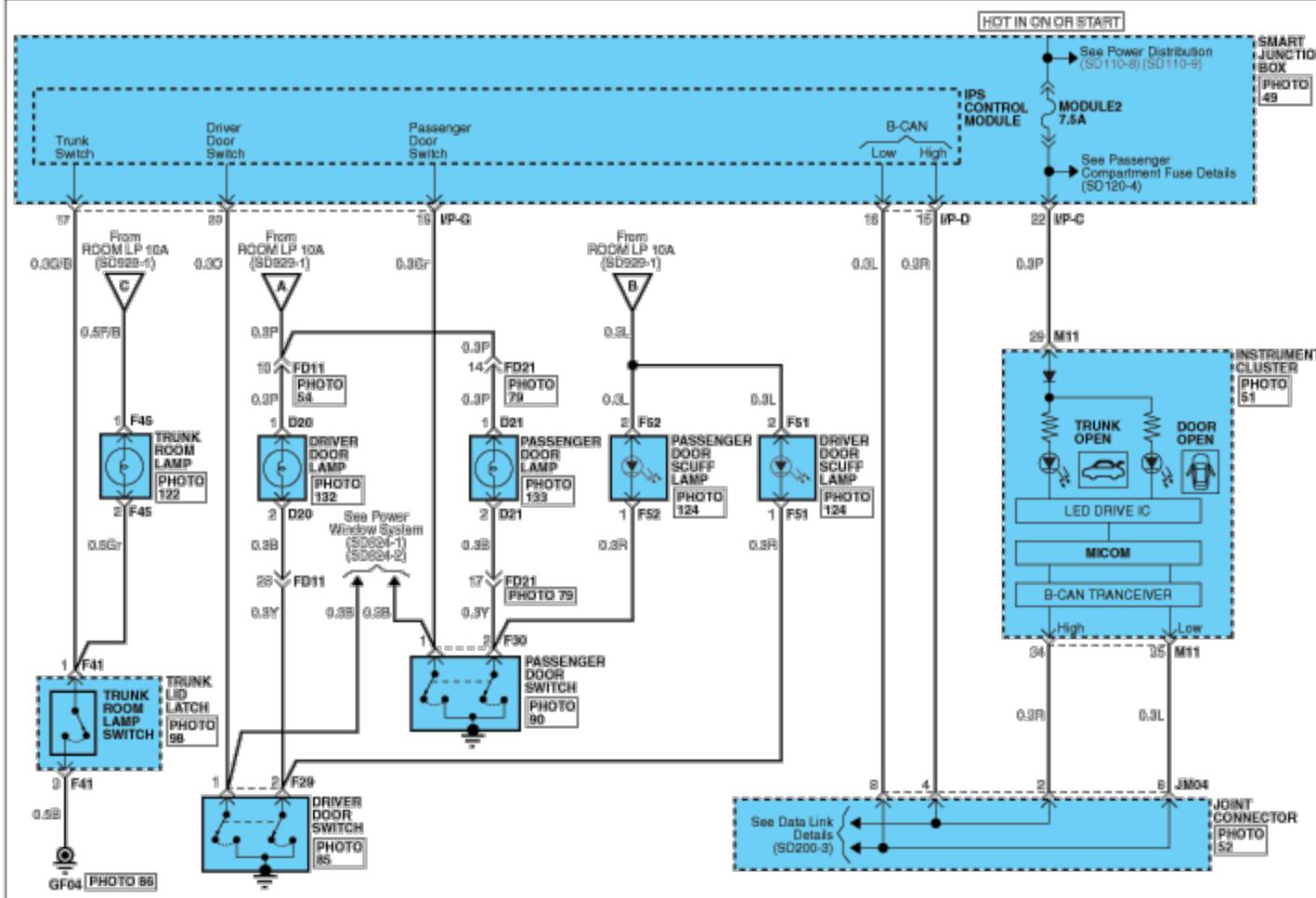
Courtesy & Trunk Lamps (1)

SD929-1



Courtesy & Trunk Lamps (2)

SD929-2

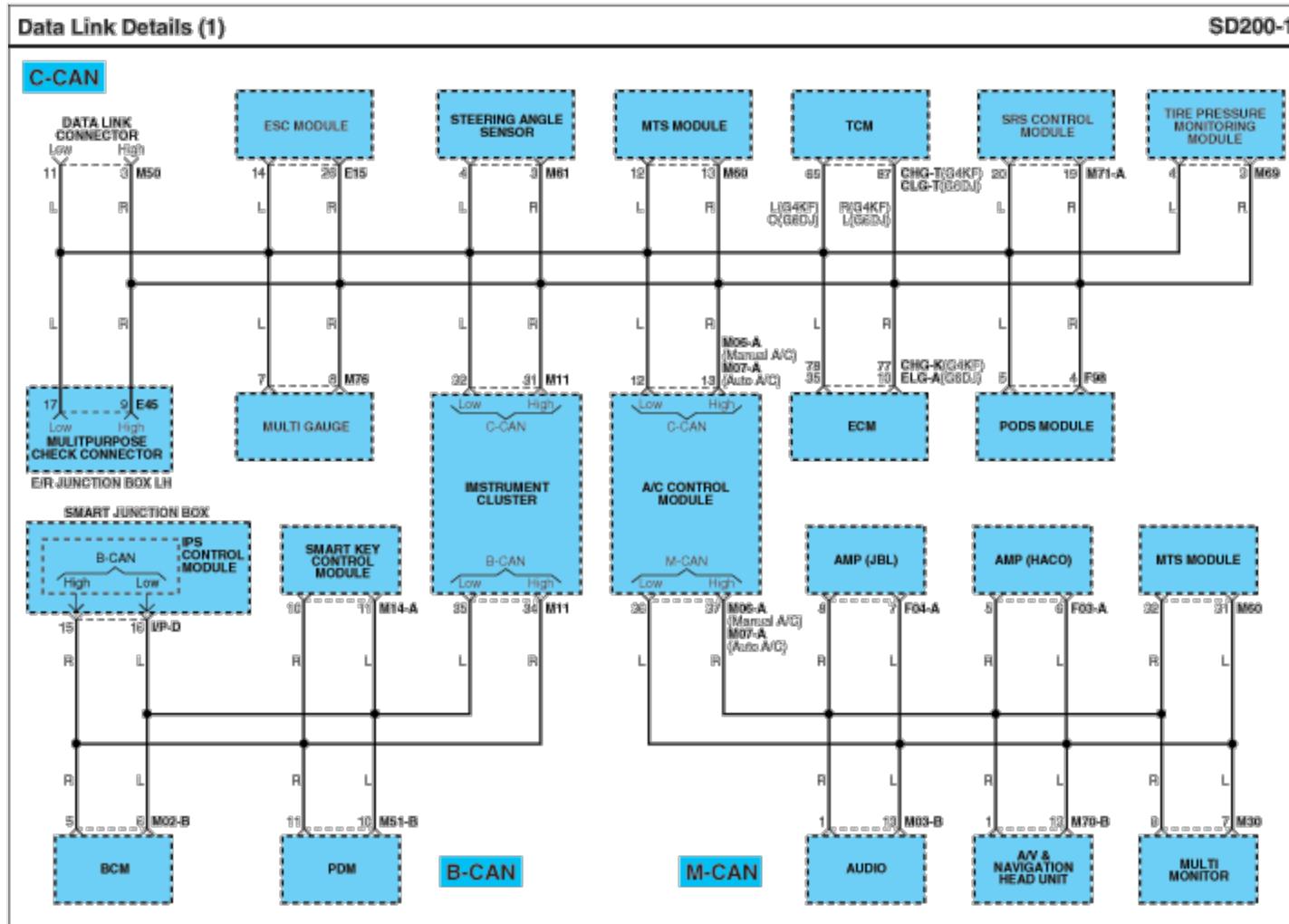


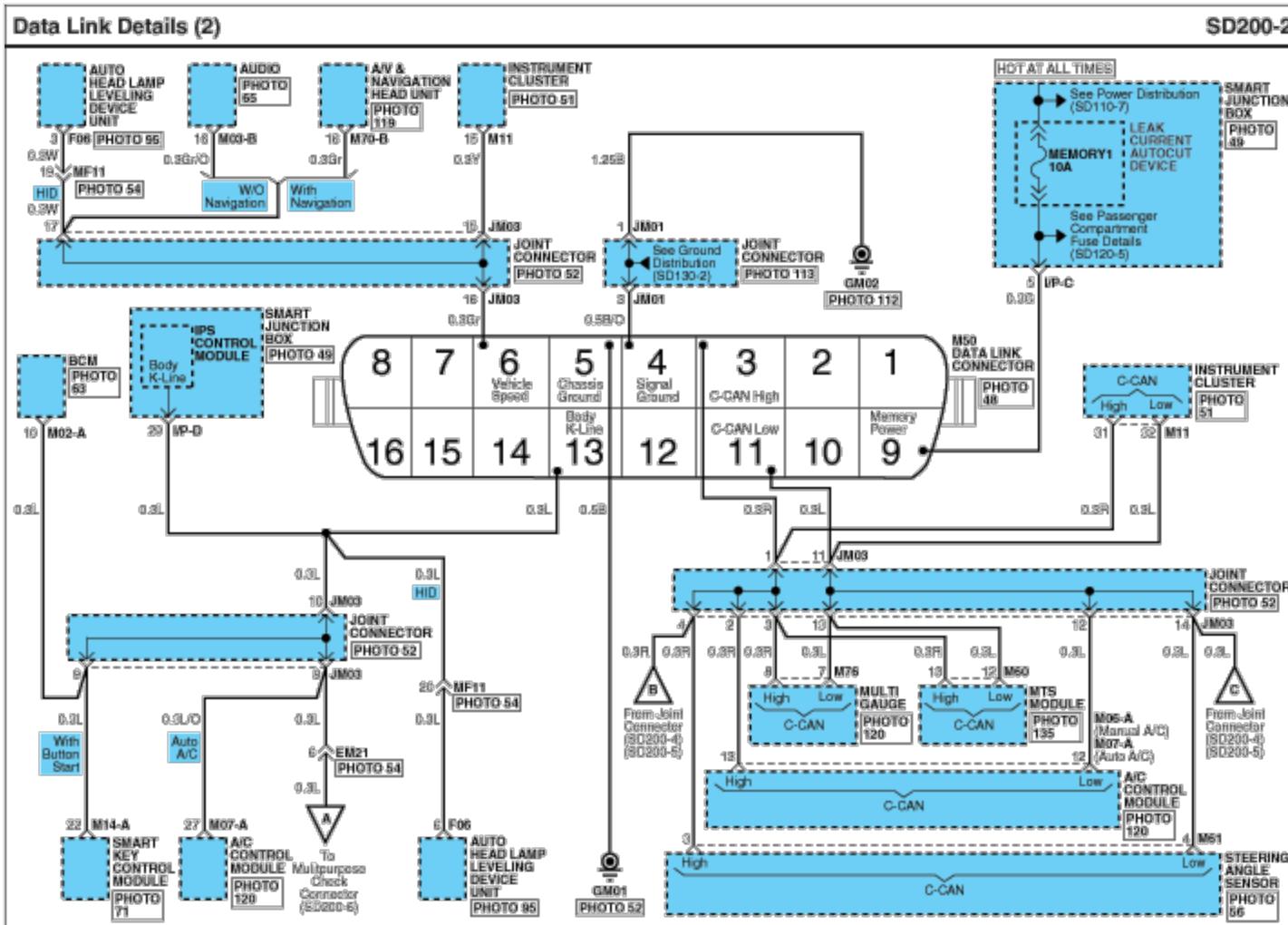
Courtesy & Trunk Lamps (3)				SD929-3
D20 	D21 	F29 	F30 	KET_098II_02F_W_L
F41 	F45 	F51 	F52 	KET_070_02F_W
M02-C 	M11 	R03 		AMP_070_02P_W_HCR
R07 	R08 	BLANK	BLANK	AMP_070_02P_B
				AMP_070_02P_B
				KET_025_02F_W

Schematic Diagrams



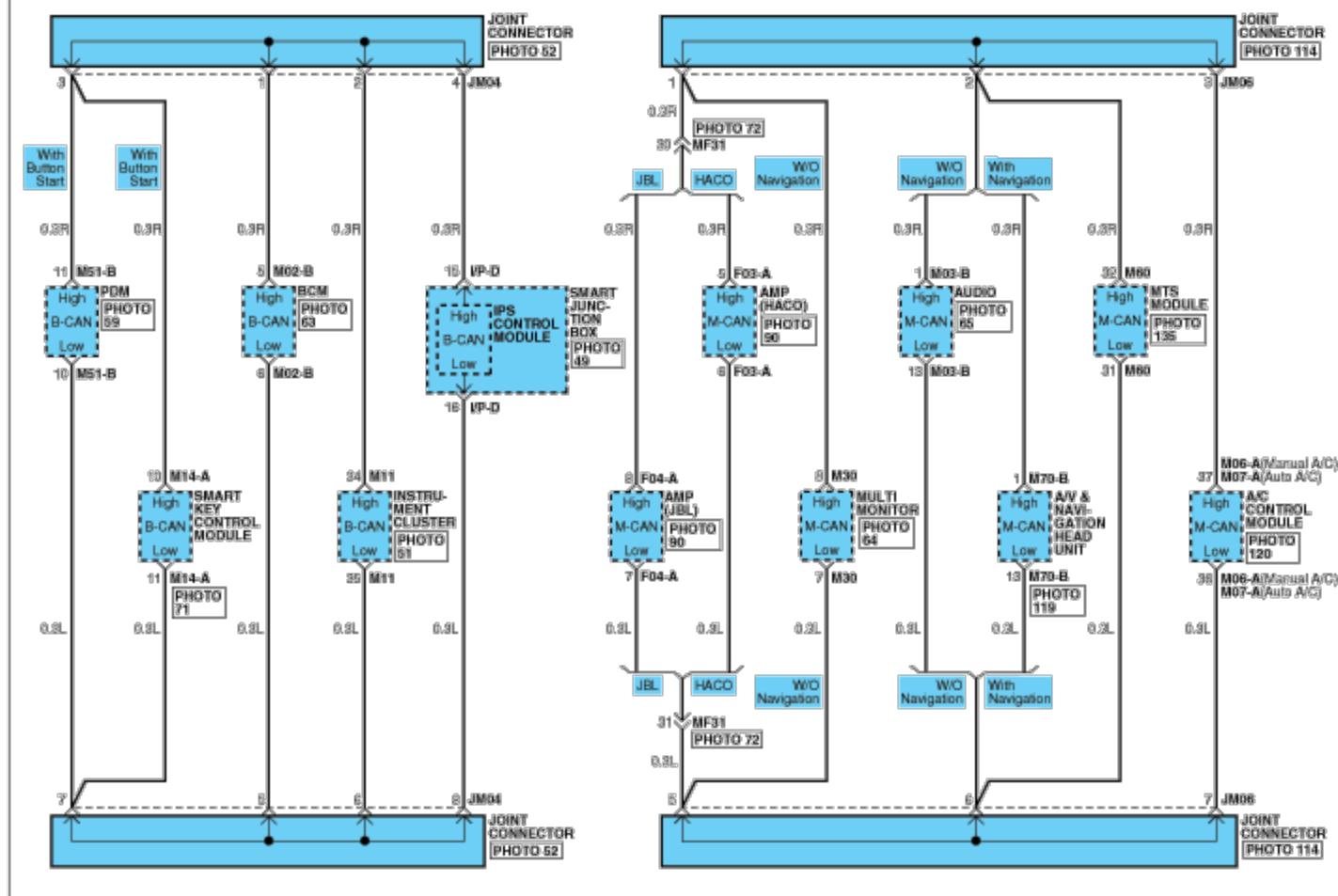
Data Link Details

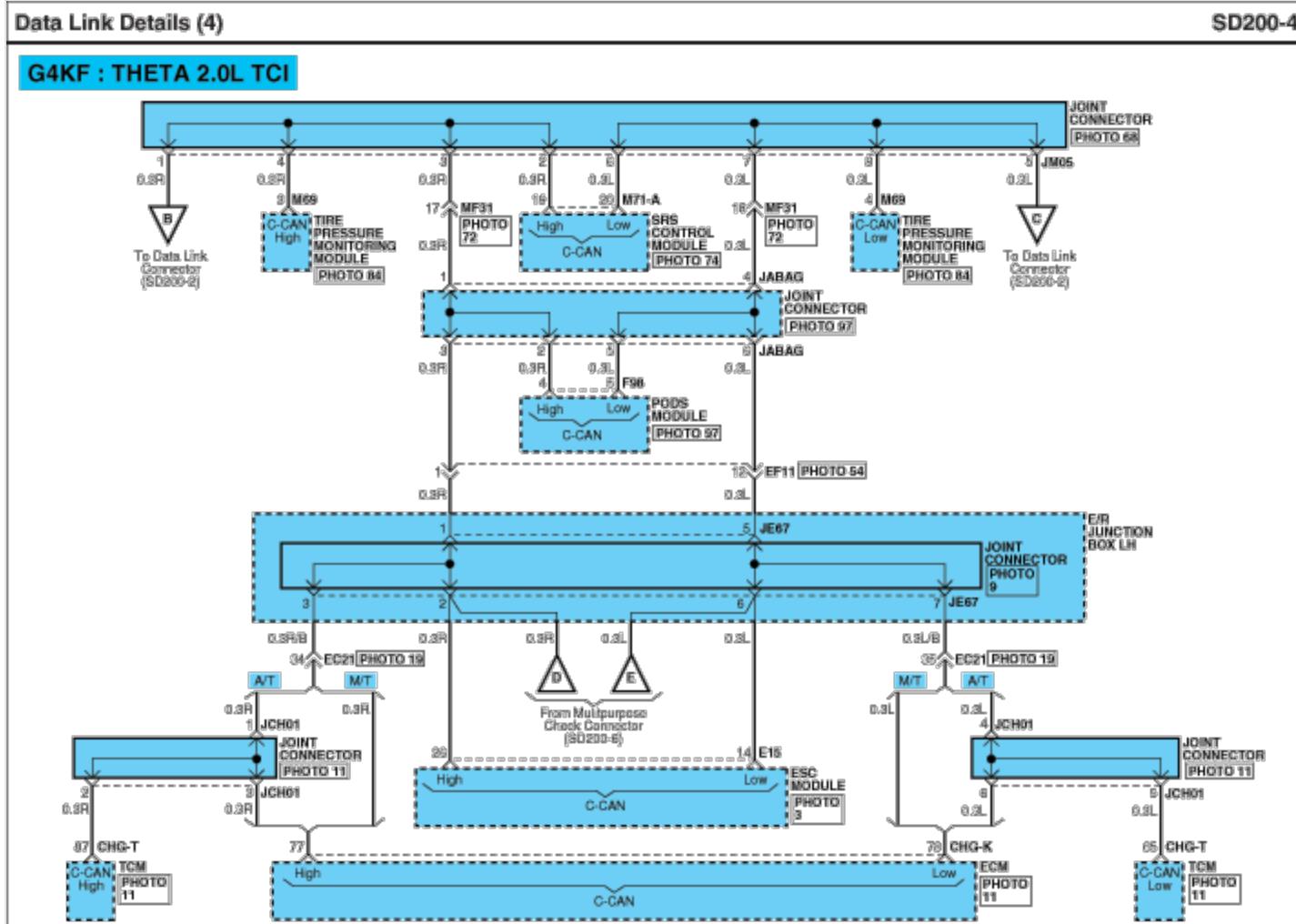




Data Link Details (3)

SD200-3

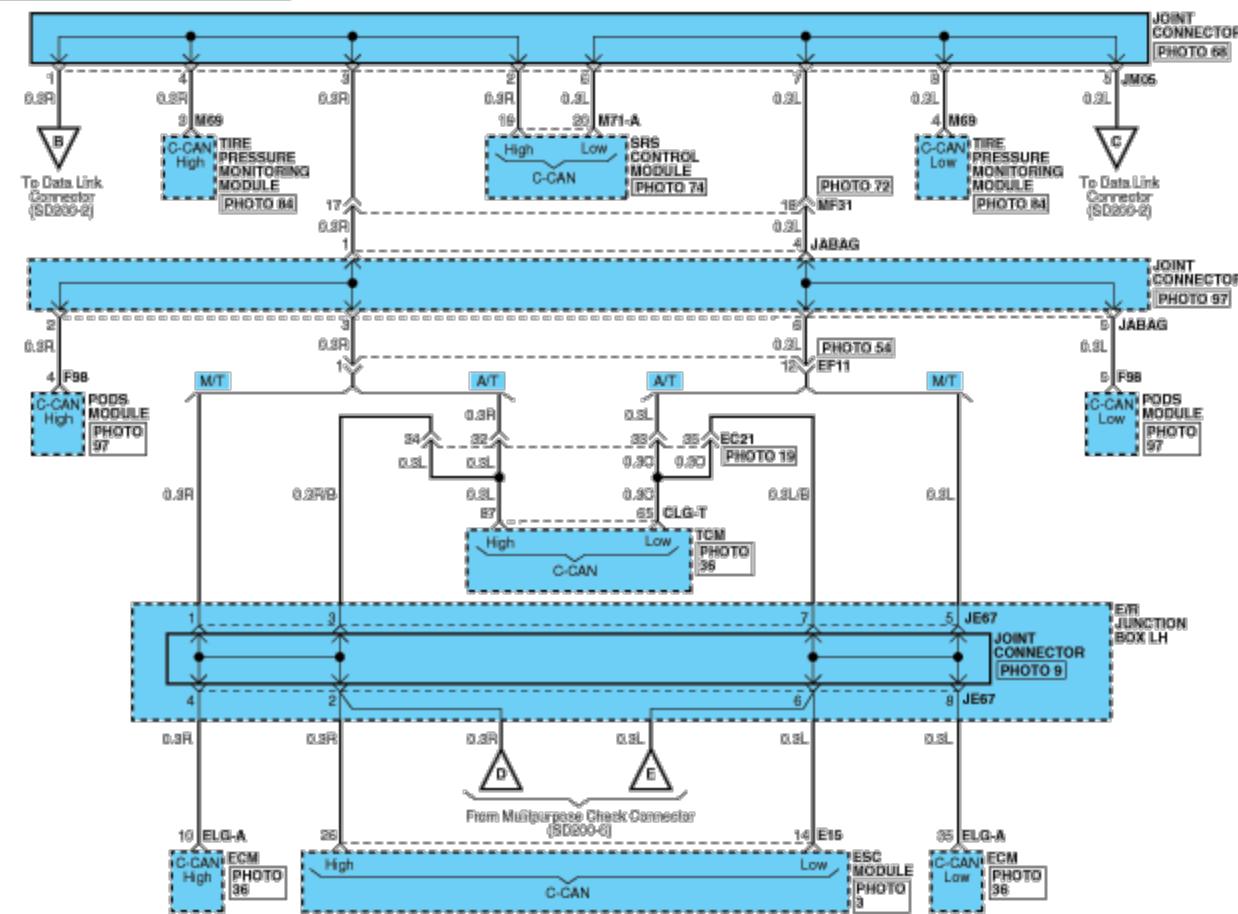




Data Link Details (5)

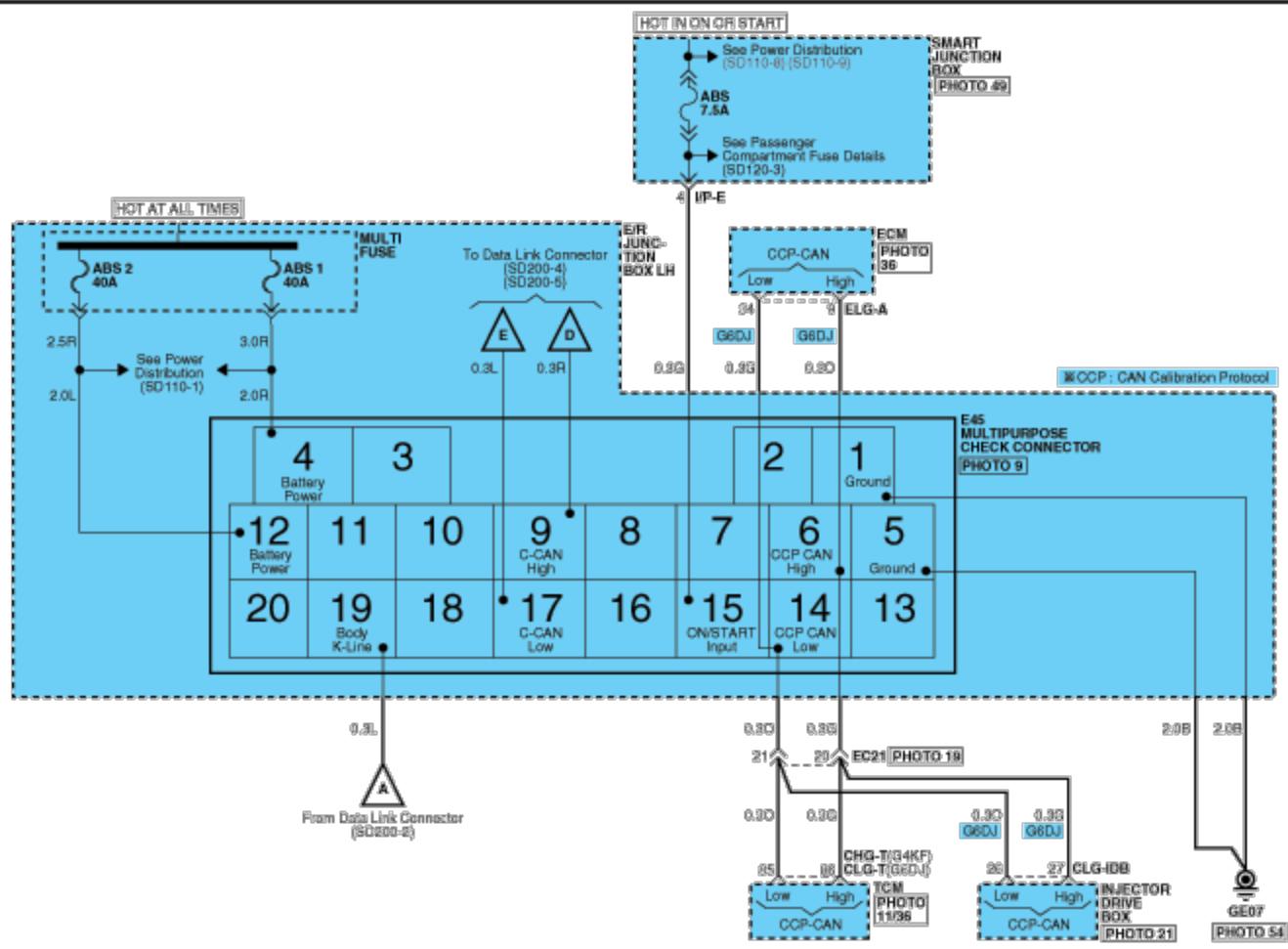
SD200-5

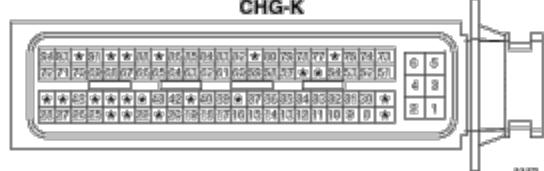
G6DJ : LAMBDA II 3.8L GDI



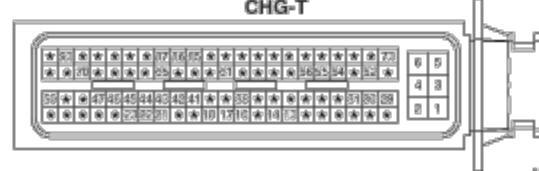
Data Link Details (6)

SD200-6

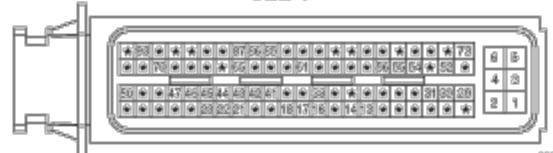


Data Link Details (7)**SD200-7****CHG-K**

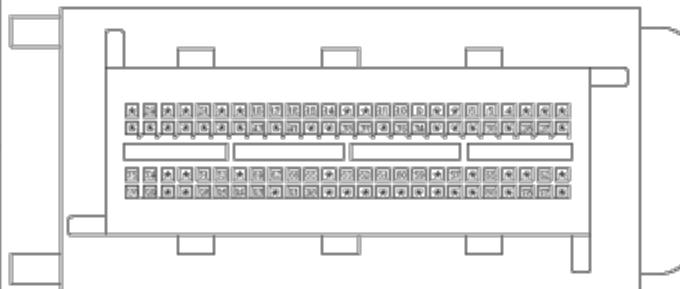
AMP_ECU_80F_B_R

CHG-T

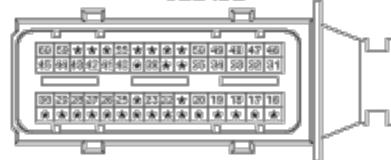
AMP_ECU_84F_B

CLG-T

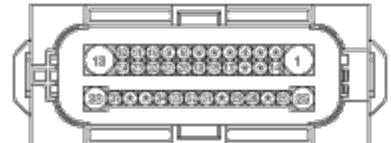
AMP_ECU_84F_B

ELG-A

PKD_MTEBPGU_108F_B_101

CLG-IDB

AMP_ECU_80F_B

E15

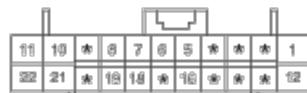
AMP_ABS_80F_B_A

E45

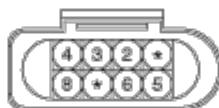
KET_DIAG_80F_B_DHK_GH

F03-A

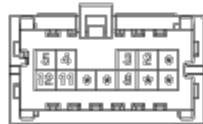
AMP_8407_28F_WL_HD

F04-A

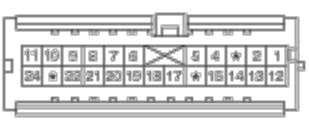
AMP_8407_28F_W

F06

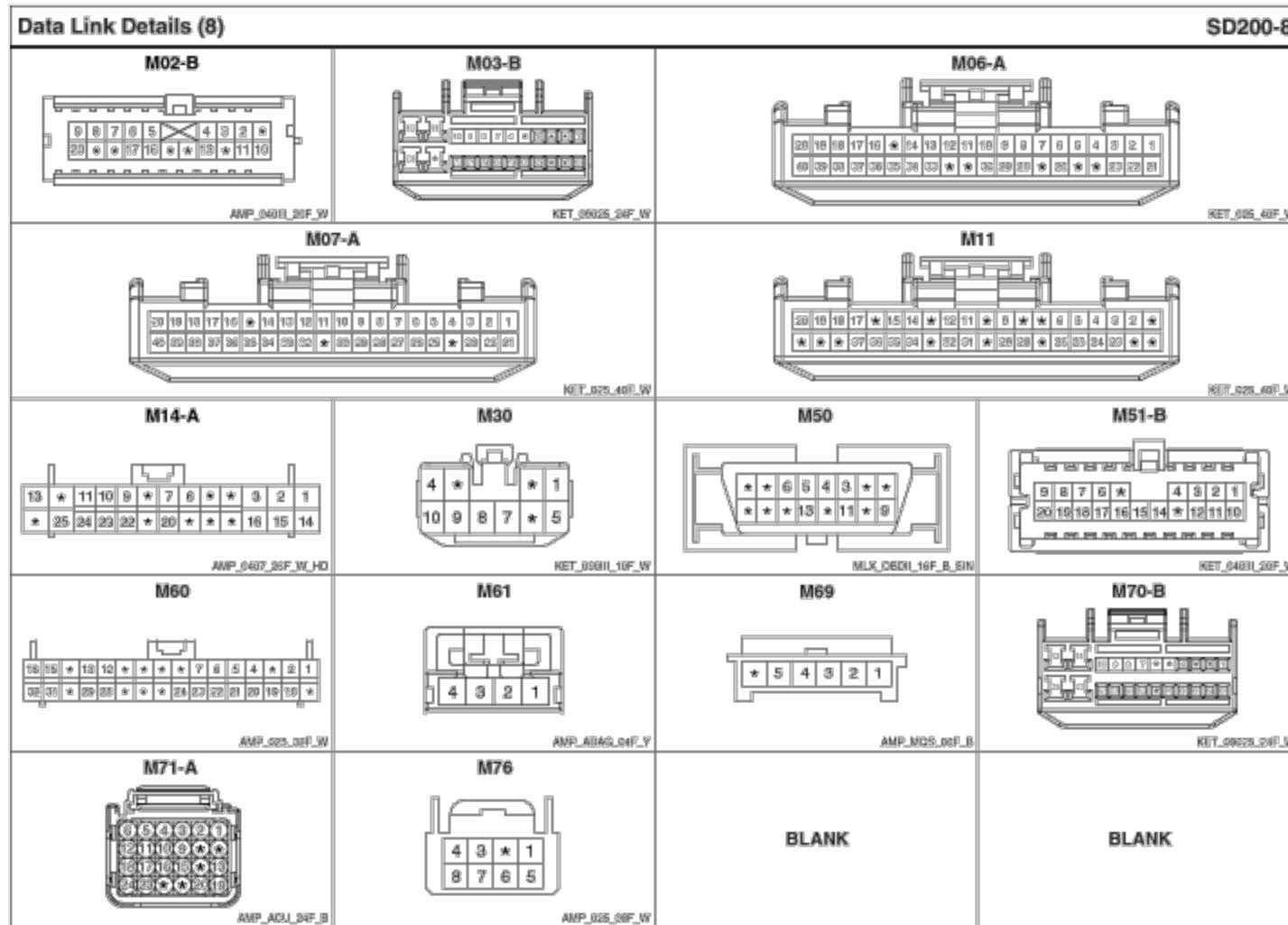
FEP_860WP_80F_B

F98

KET_048II_12F_W

M02-A

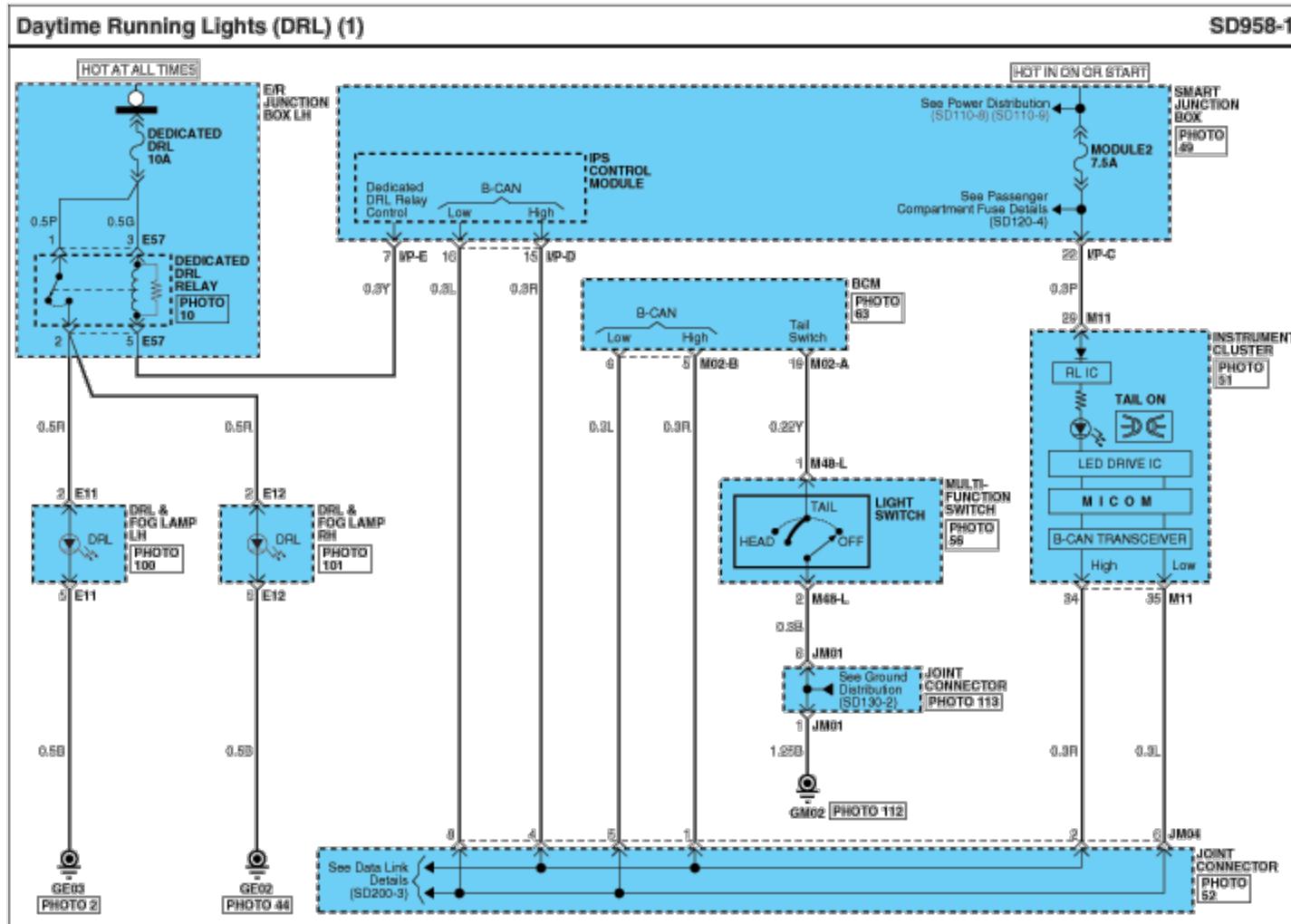
AMP_8401_28F_W

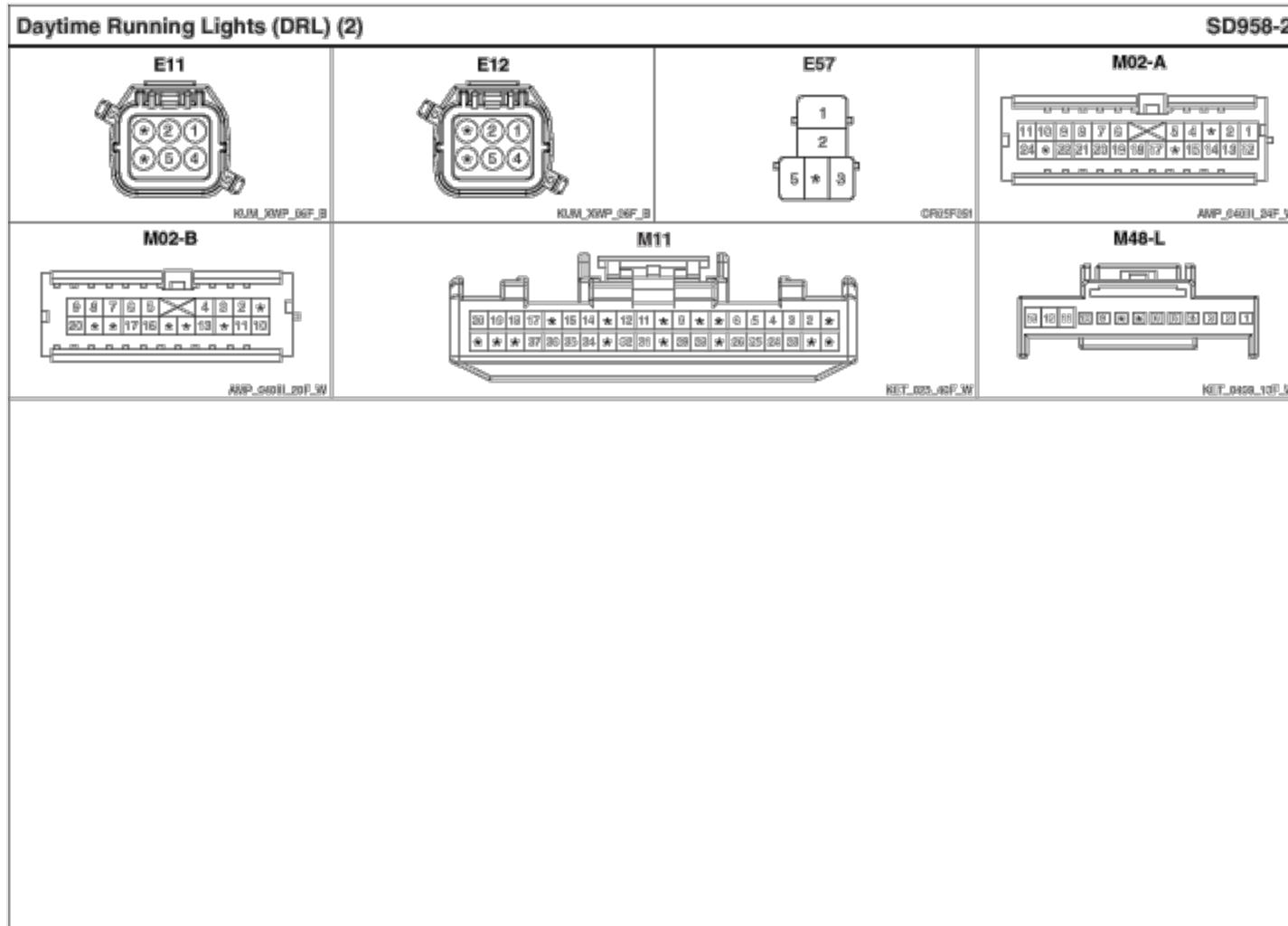


Schematic Diagrams



Daytime Running Lights (DRL)

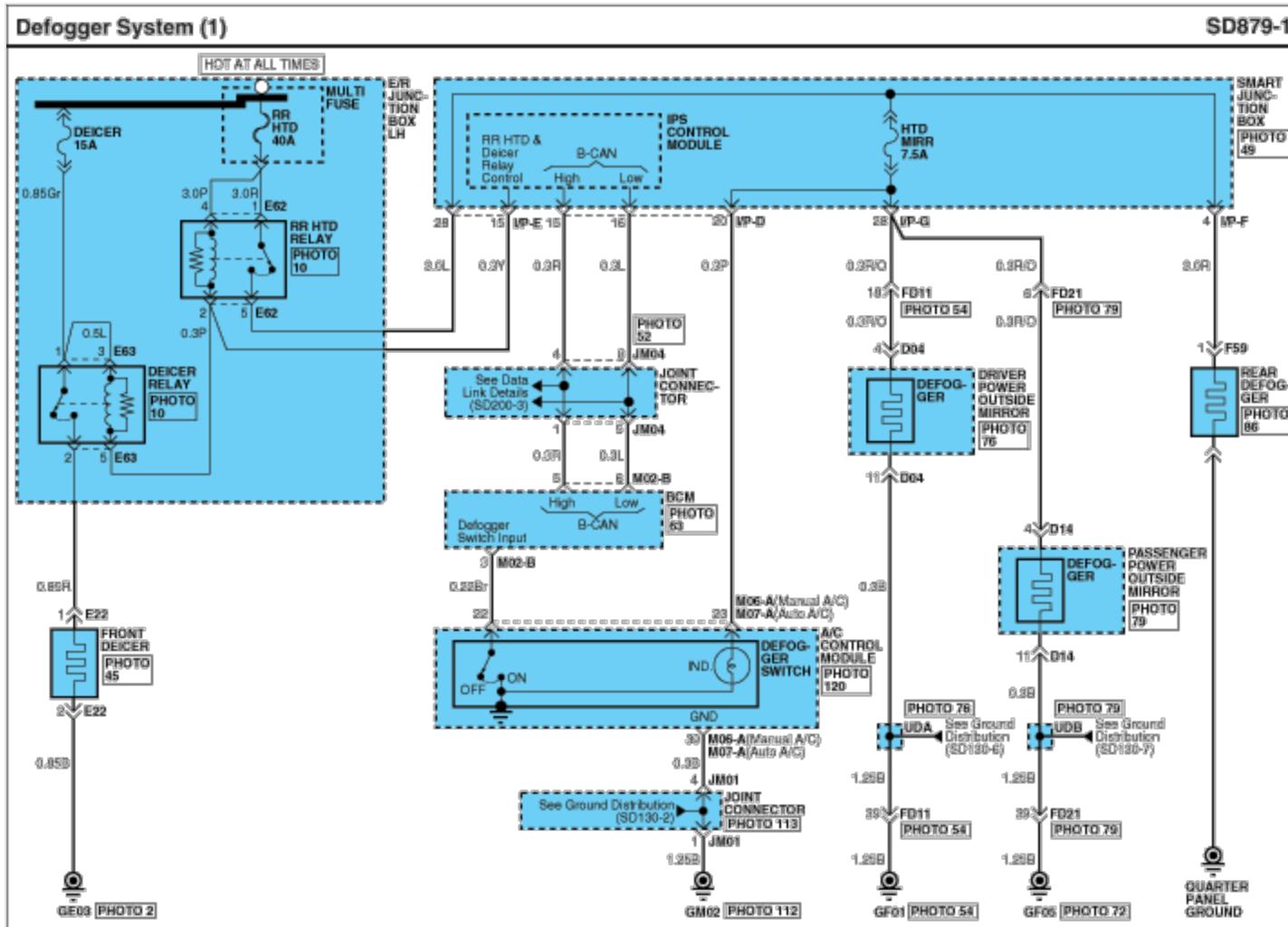




Schematic Diagrams

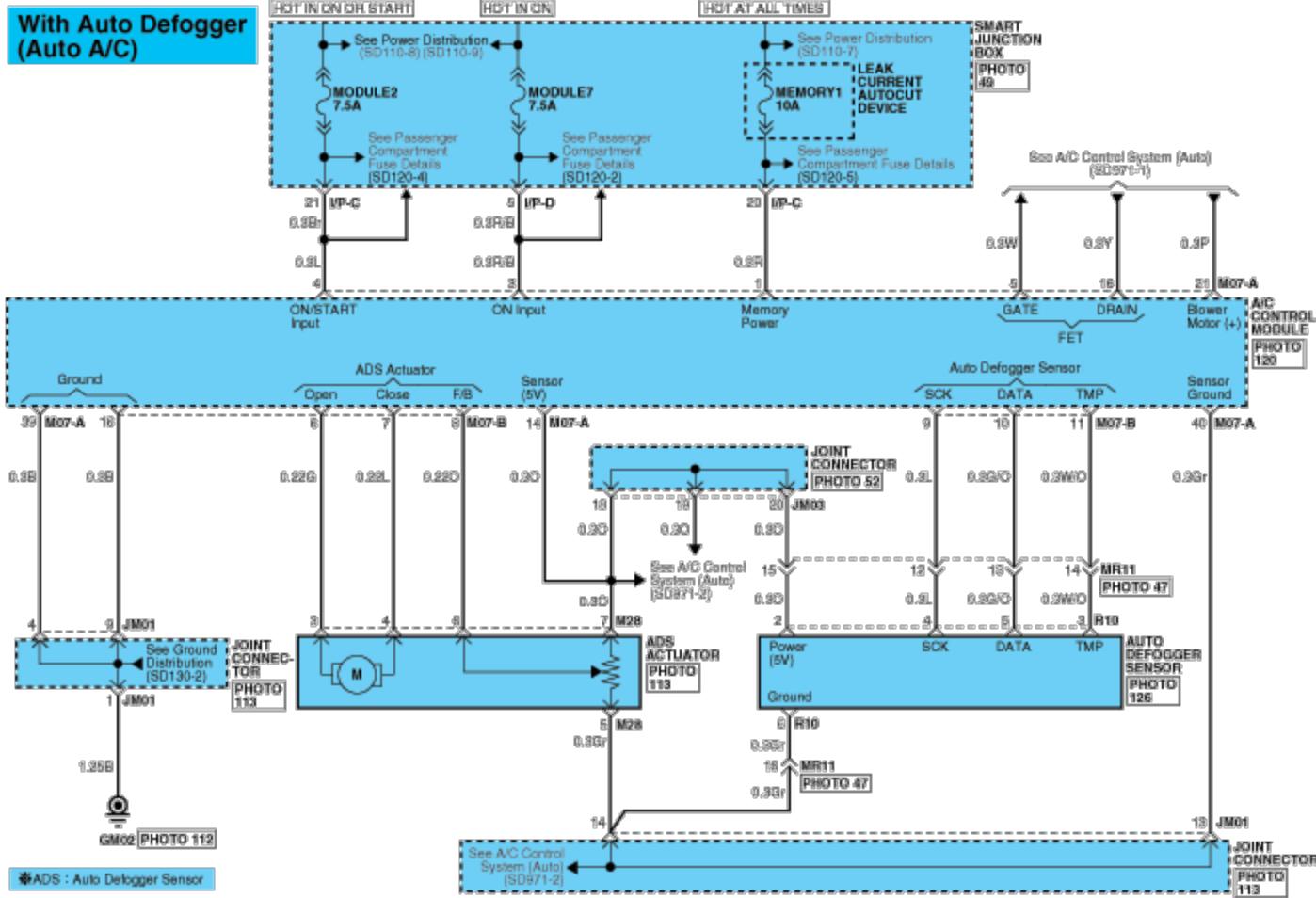


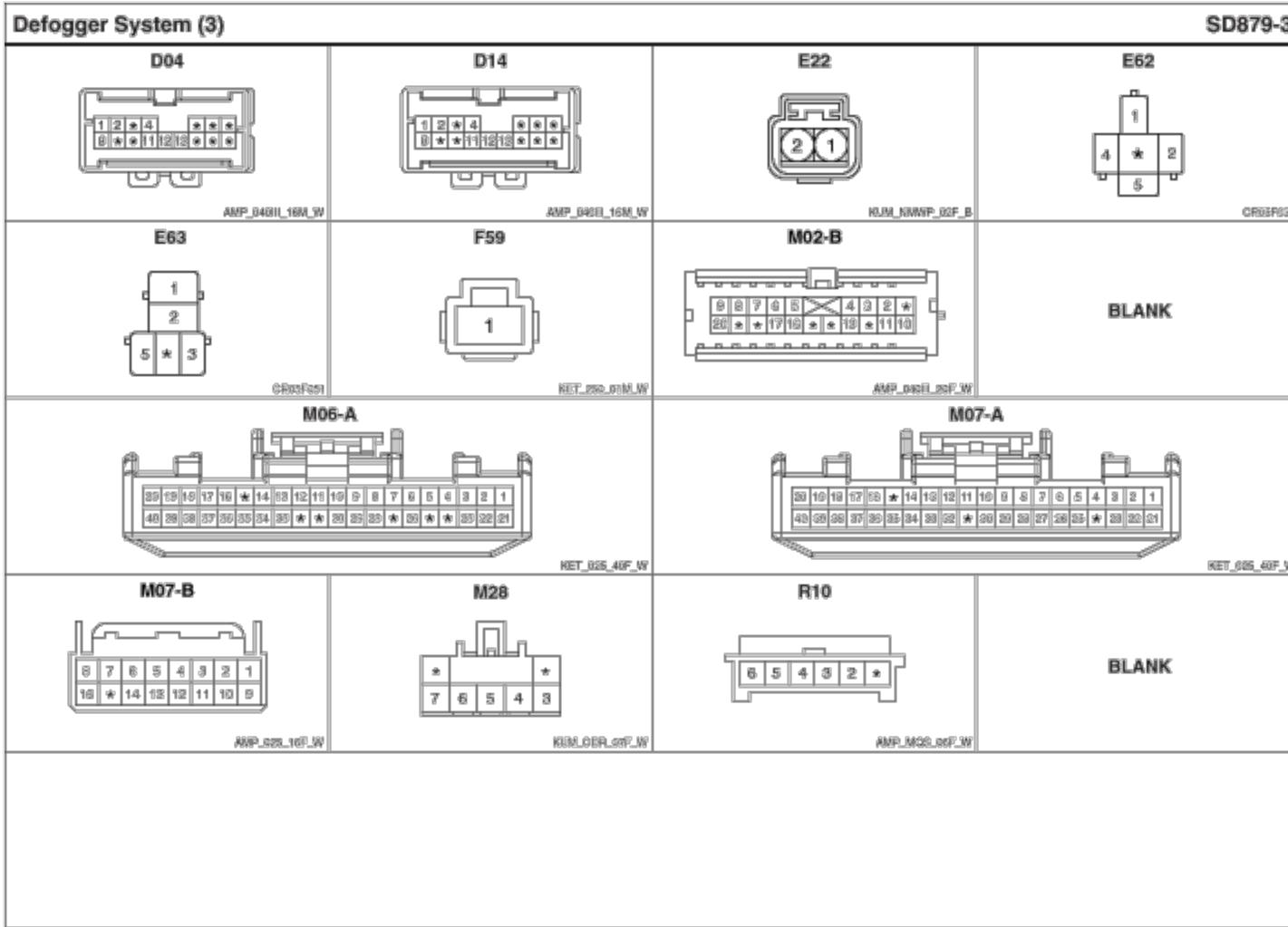
Defogger System



Defogger System (2)

SD879-2





Schematic Diagrams

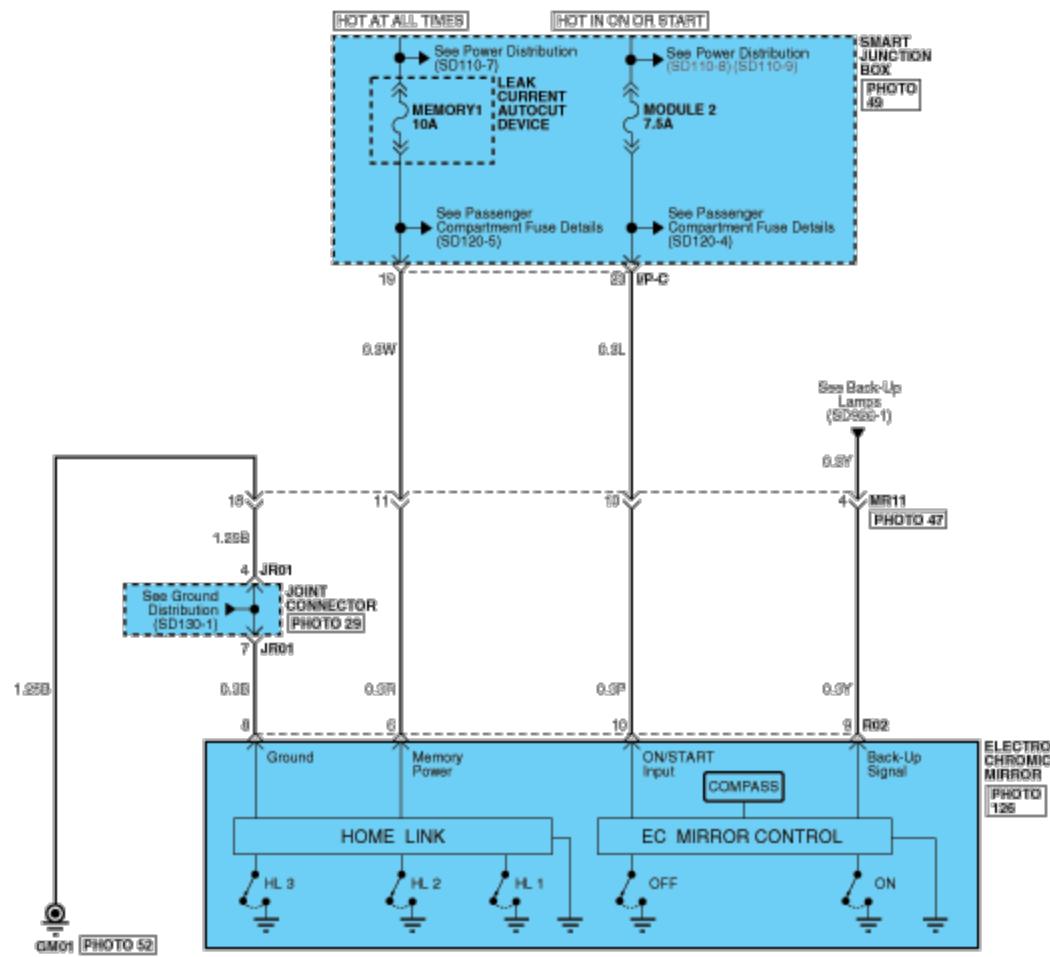


Electro Chromic Mirror

Electro Chromic Mirror System (1)

SD851-1

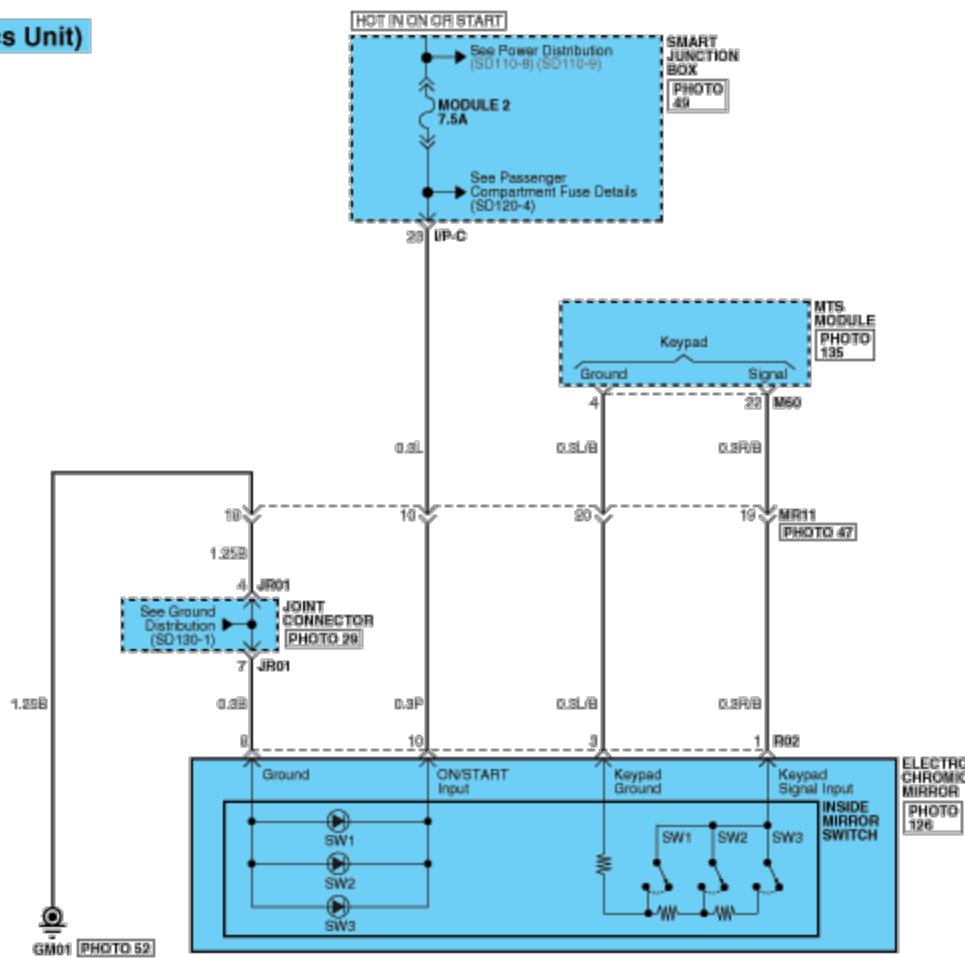
Homelink



Electro Chromic Mirror System (2)

SD851-2

TMU (Telematics Unit)

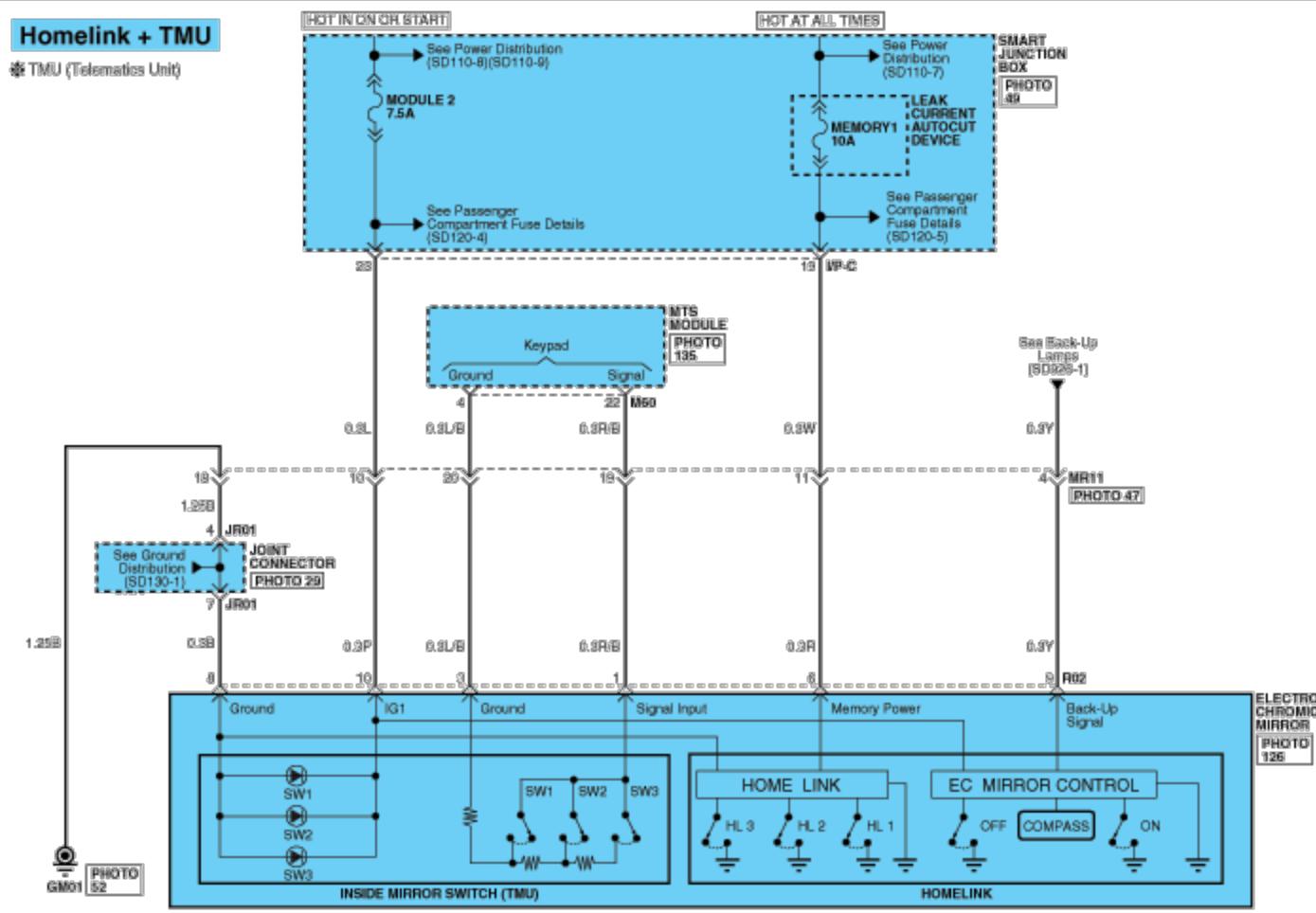


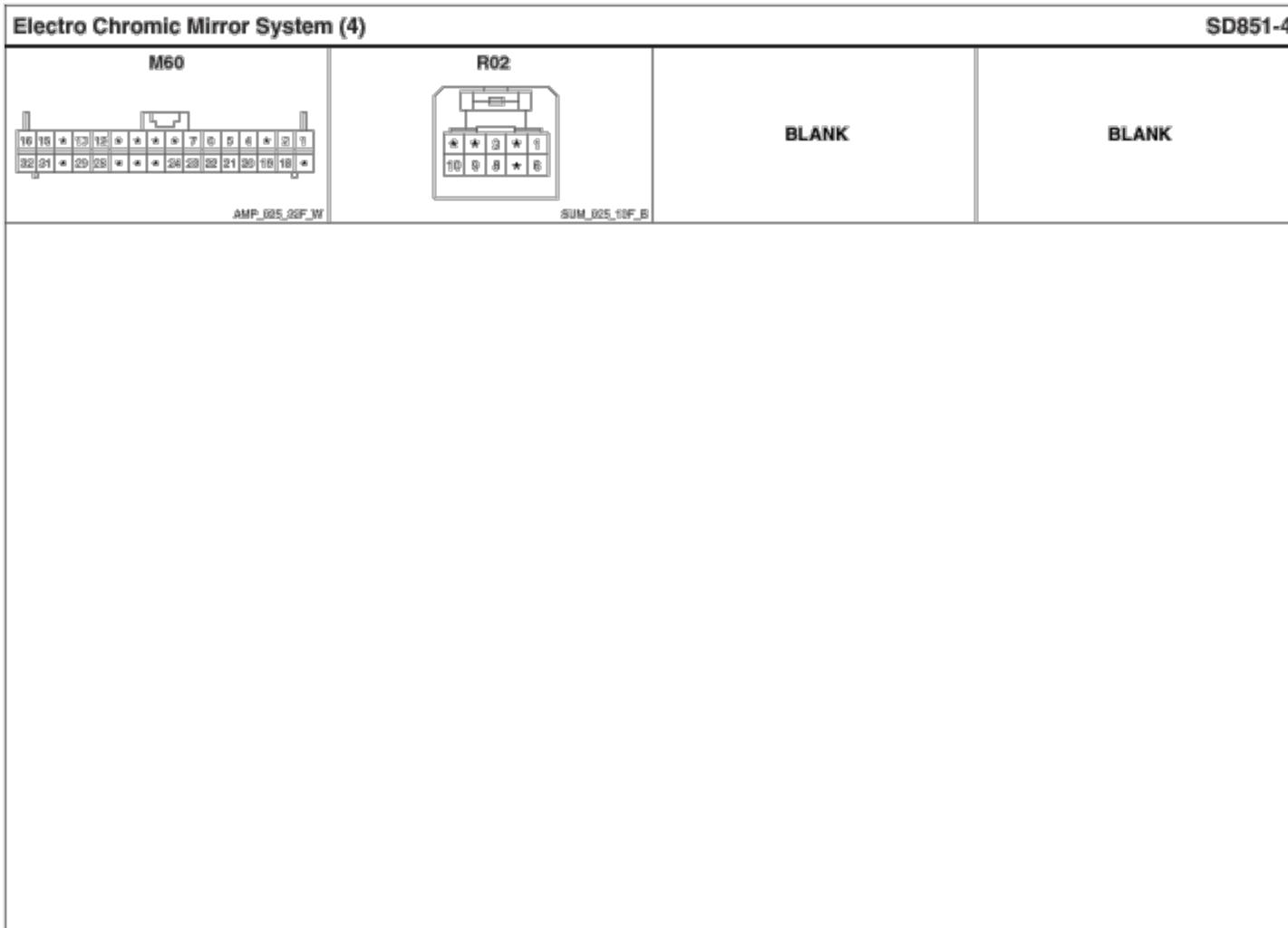
Electro Chromic Mirror System (3)

SD851-3

Homelink + TMU

※ TMU (Telematics Unit)





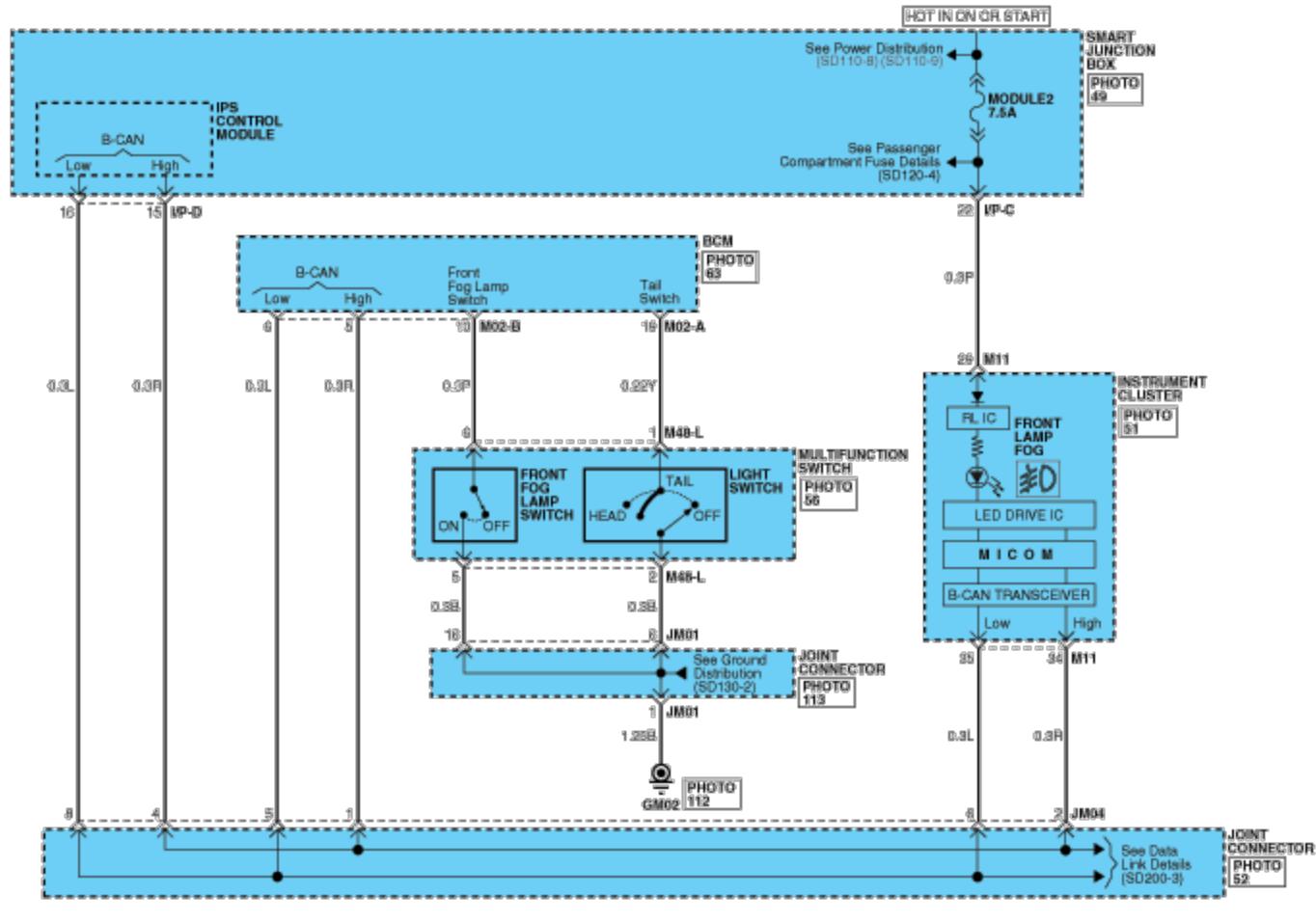
Schematic Diagrams



Fog Lamps

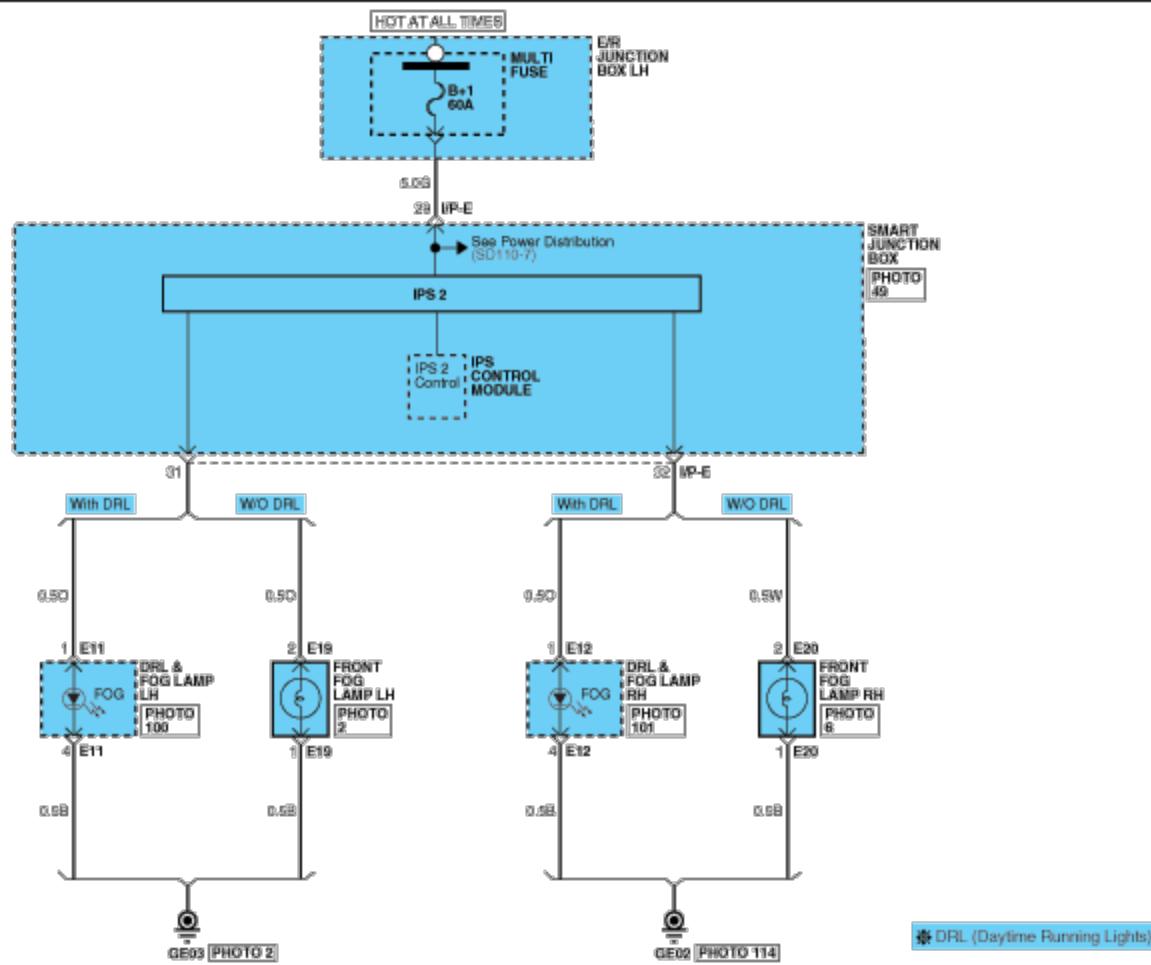
Fog Lamps (1)

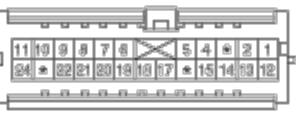
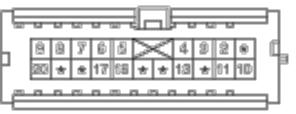
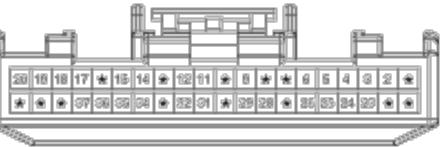
SD924-1



Fog Lamps (2)

SD924-2



Fog Lamps (3)				SD924-3
E11 	E12 	E19 	E20 	KUM_NMWP_06F_B KUM_NMWP_06F_B KUM_NMWP_06F_B KUM_NMWP_06F_B
M02-A 	M02-B 	M11 		KET_028_40P_W
M48-L 	BLANK	BLANK	BLANK	

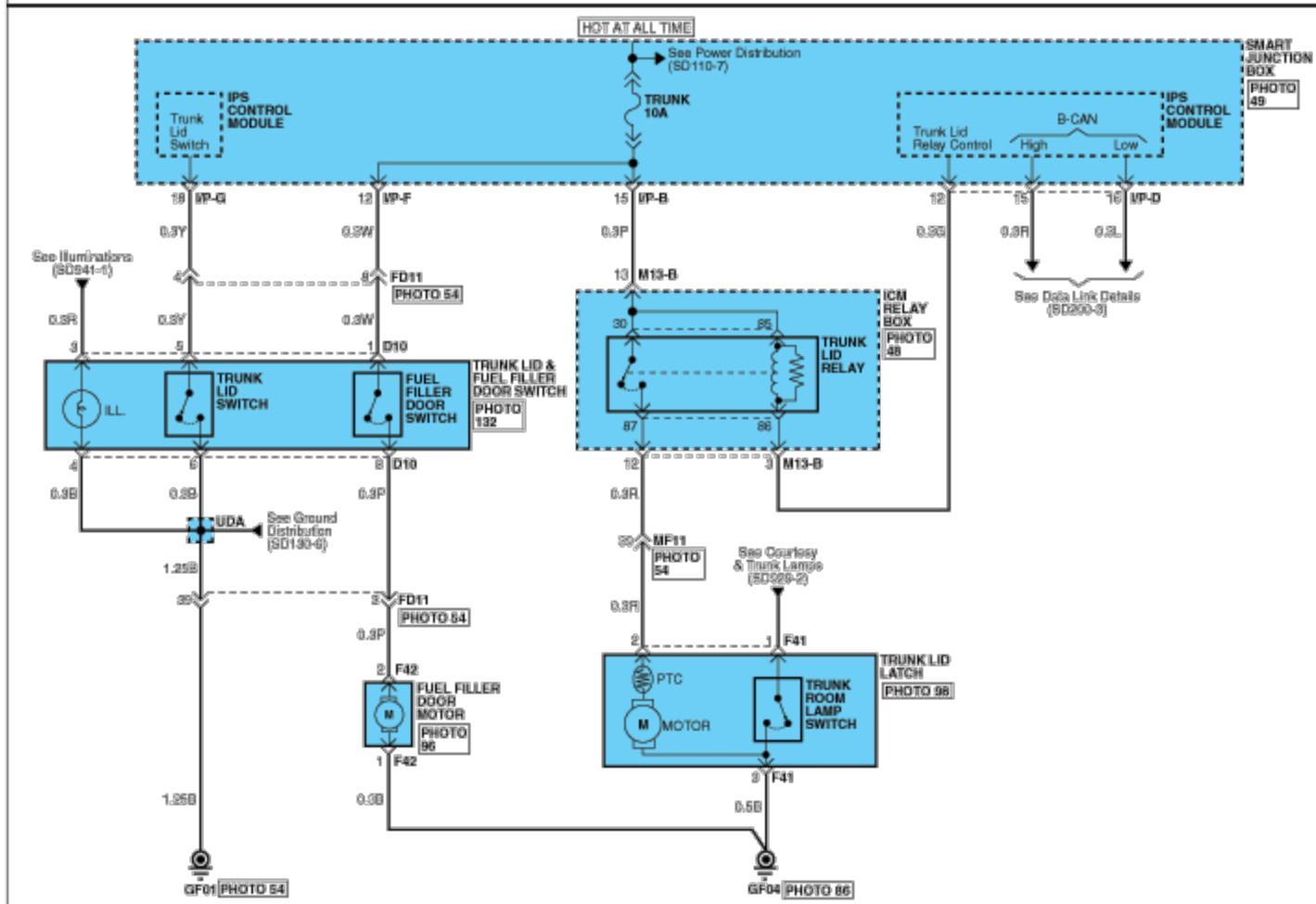
Schematic Diagrams

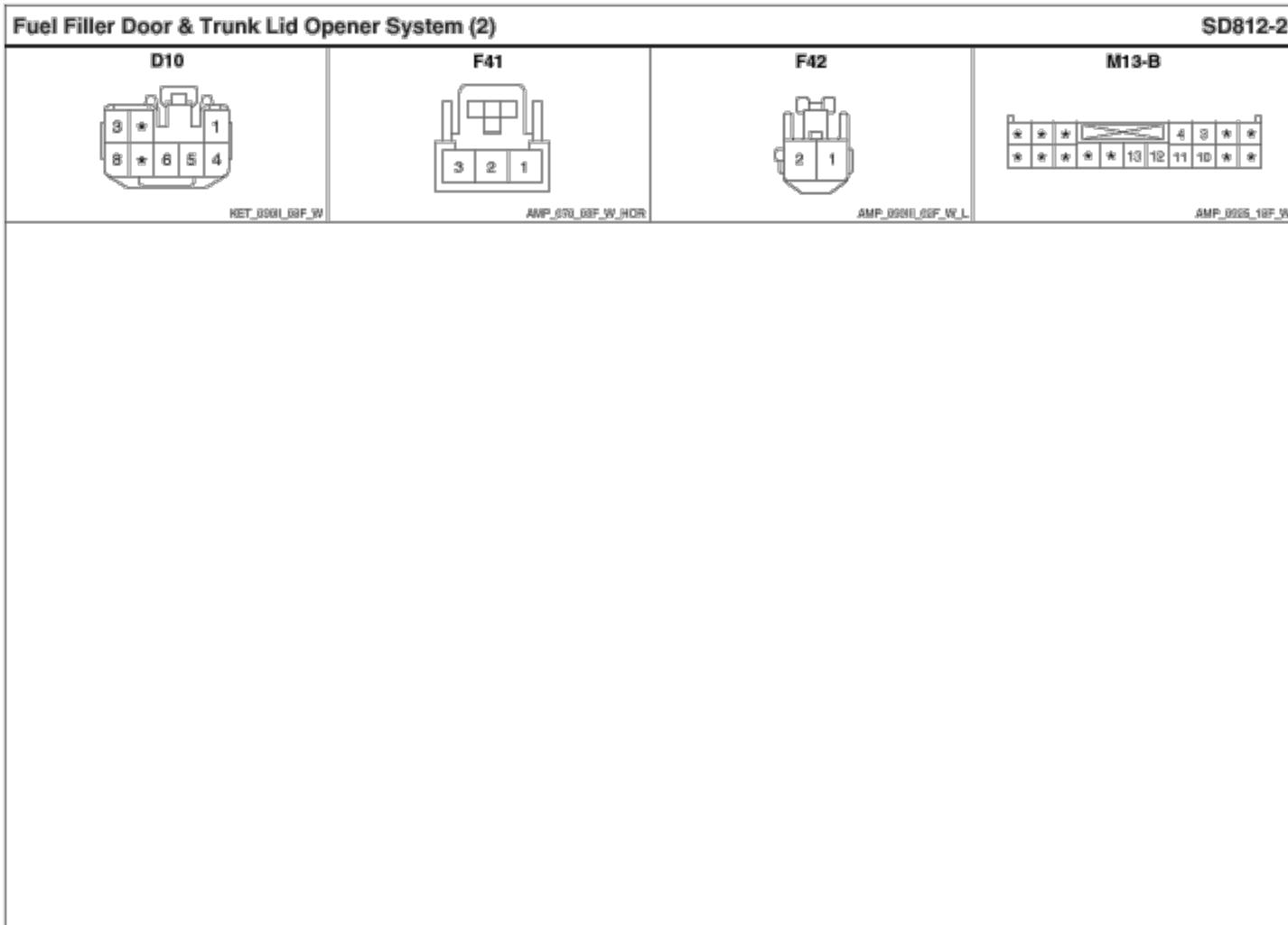


Fuel Filler Door & Trunk Lid Opener System

Fuel Filler Door & Trunk Lid Opener System (1)

SD812-1

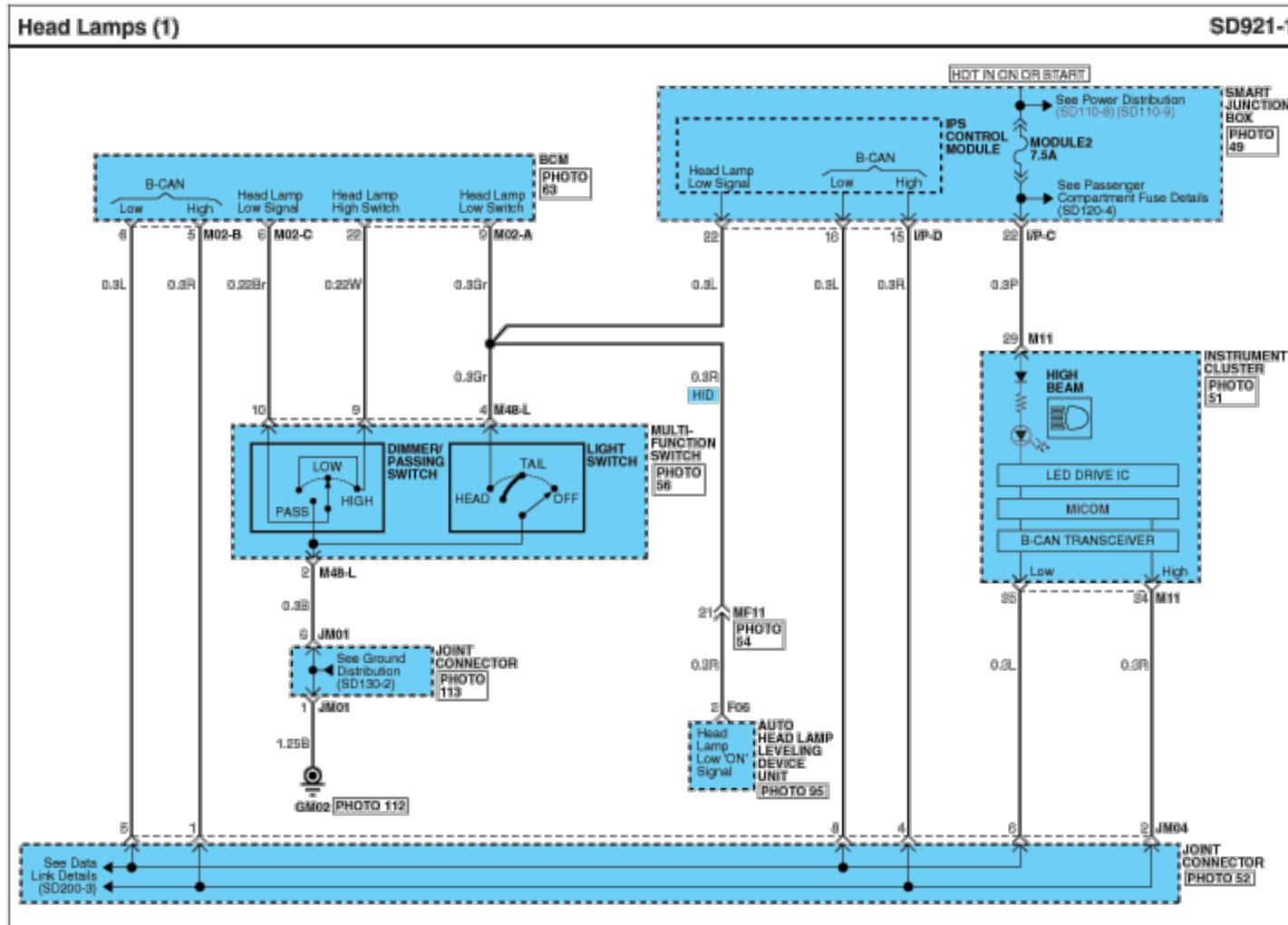




Schematic Diagrams

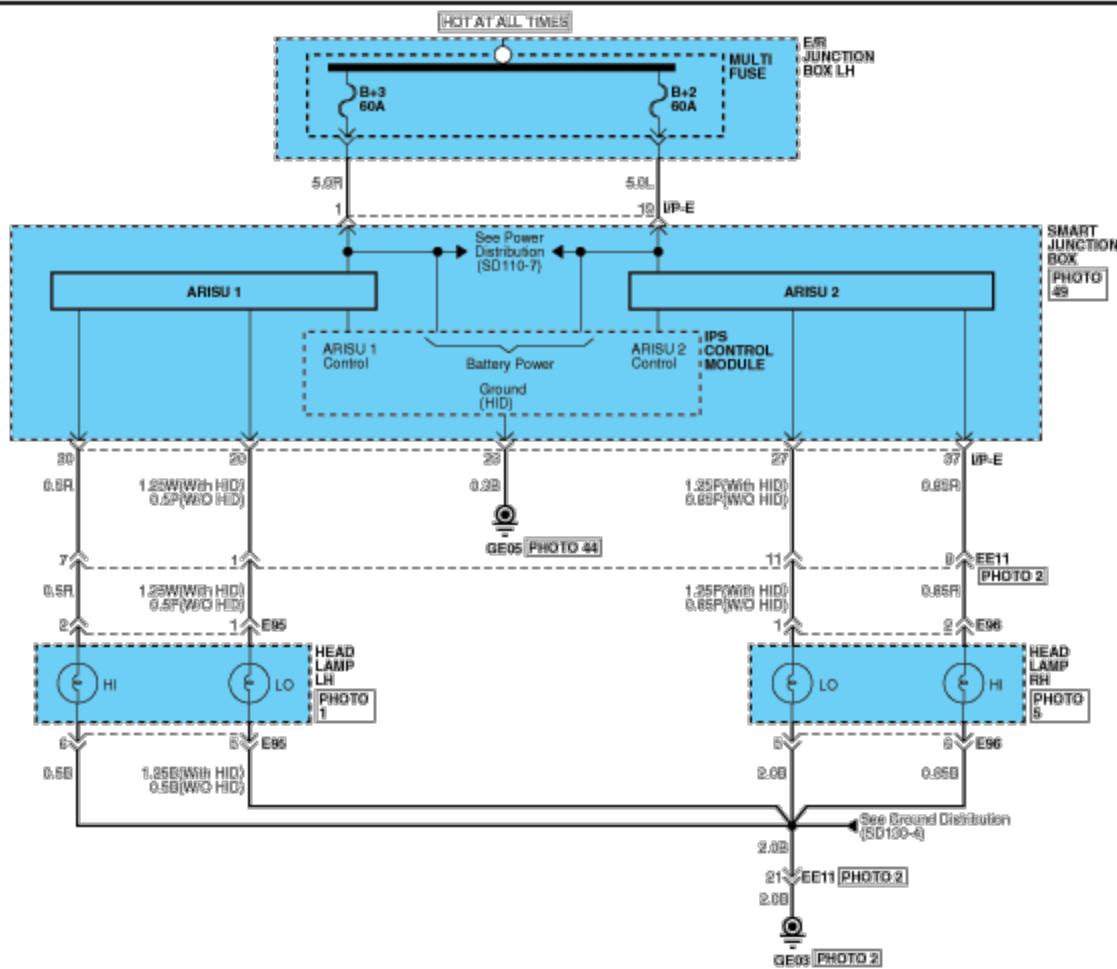


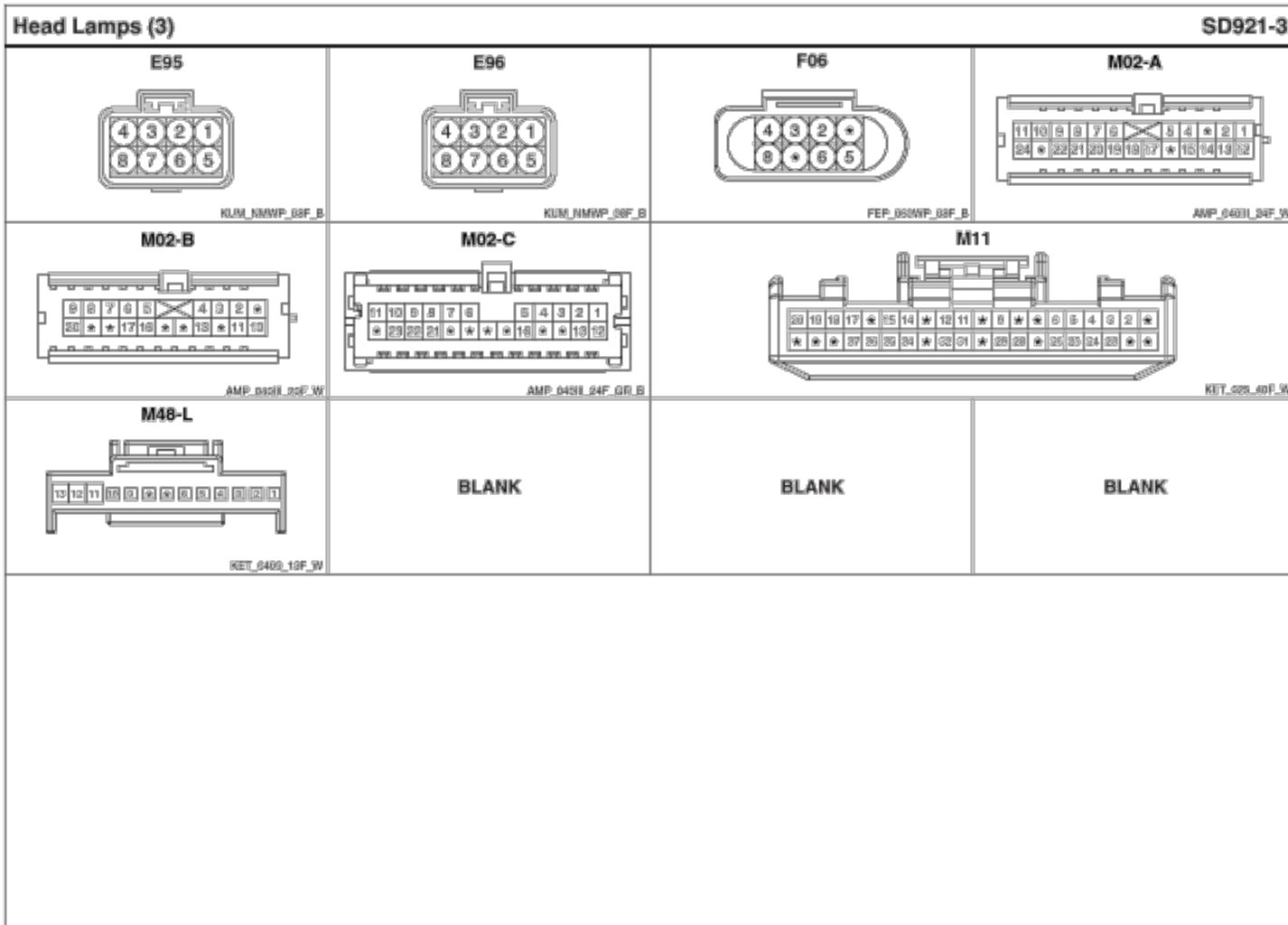
Head Lamps



Head Lamps (2)

SD921-2





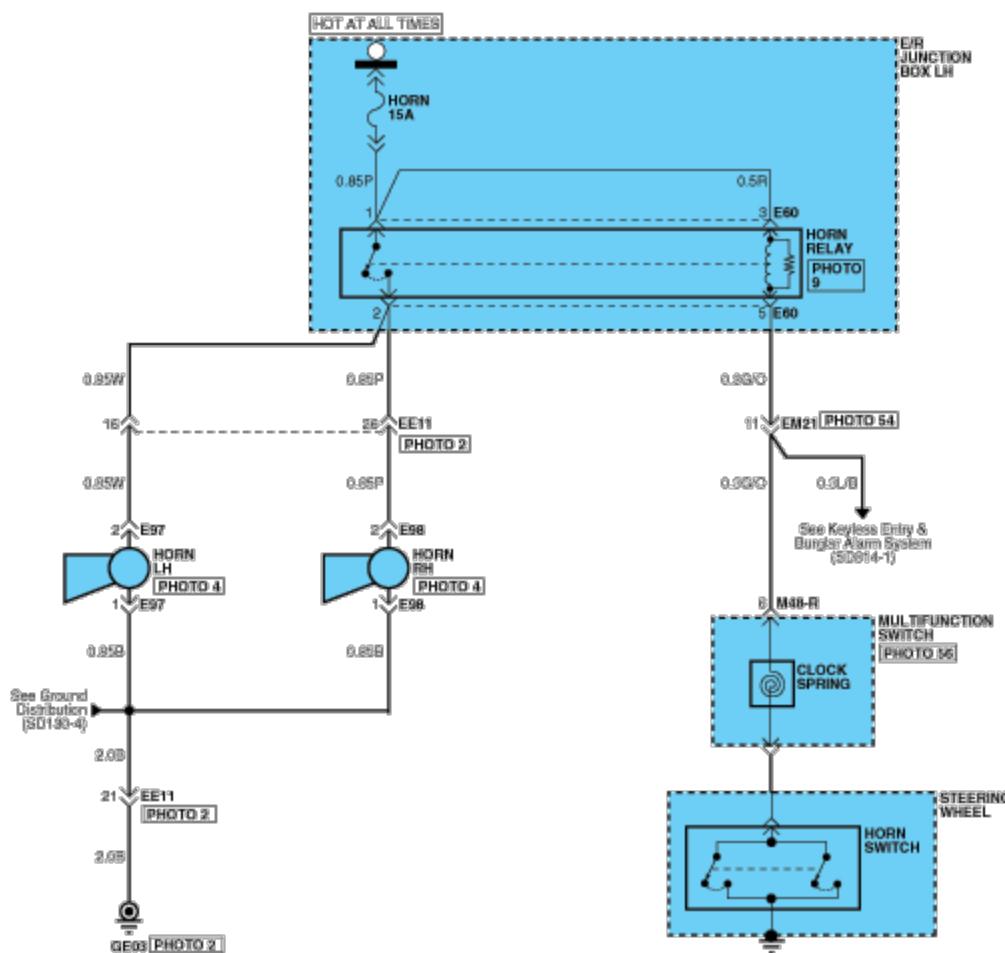
Schematic Diagrams

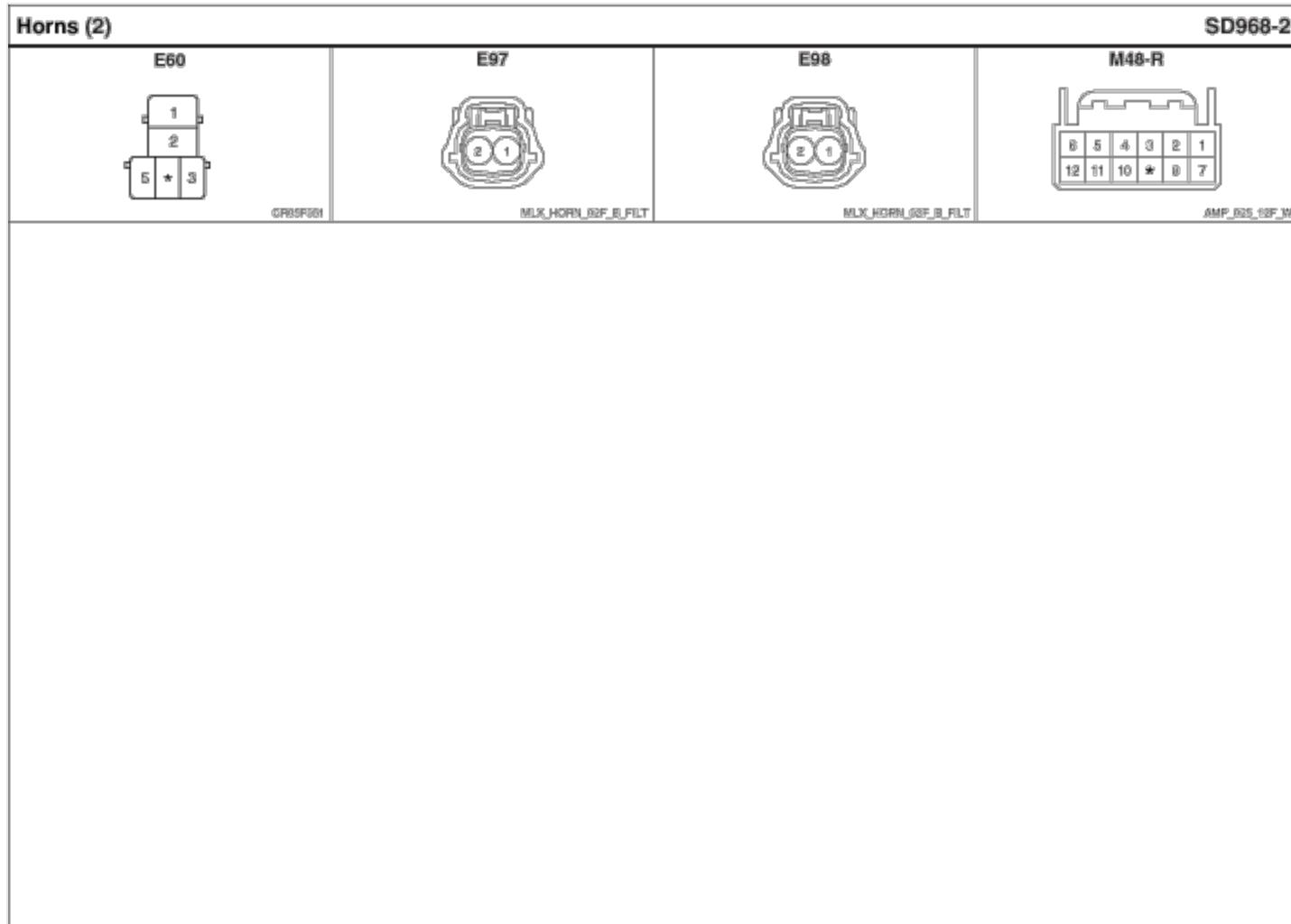


Horns

Horns (1)

SD968-1

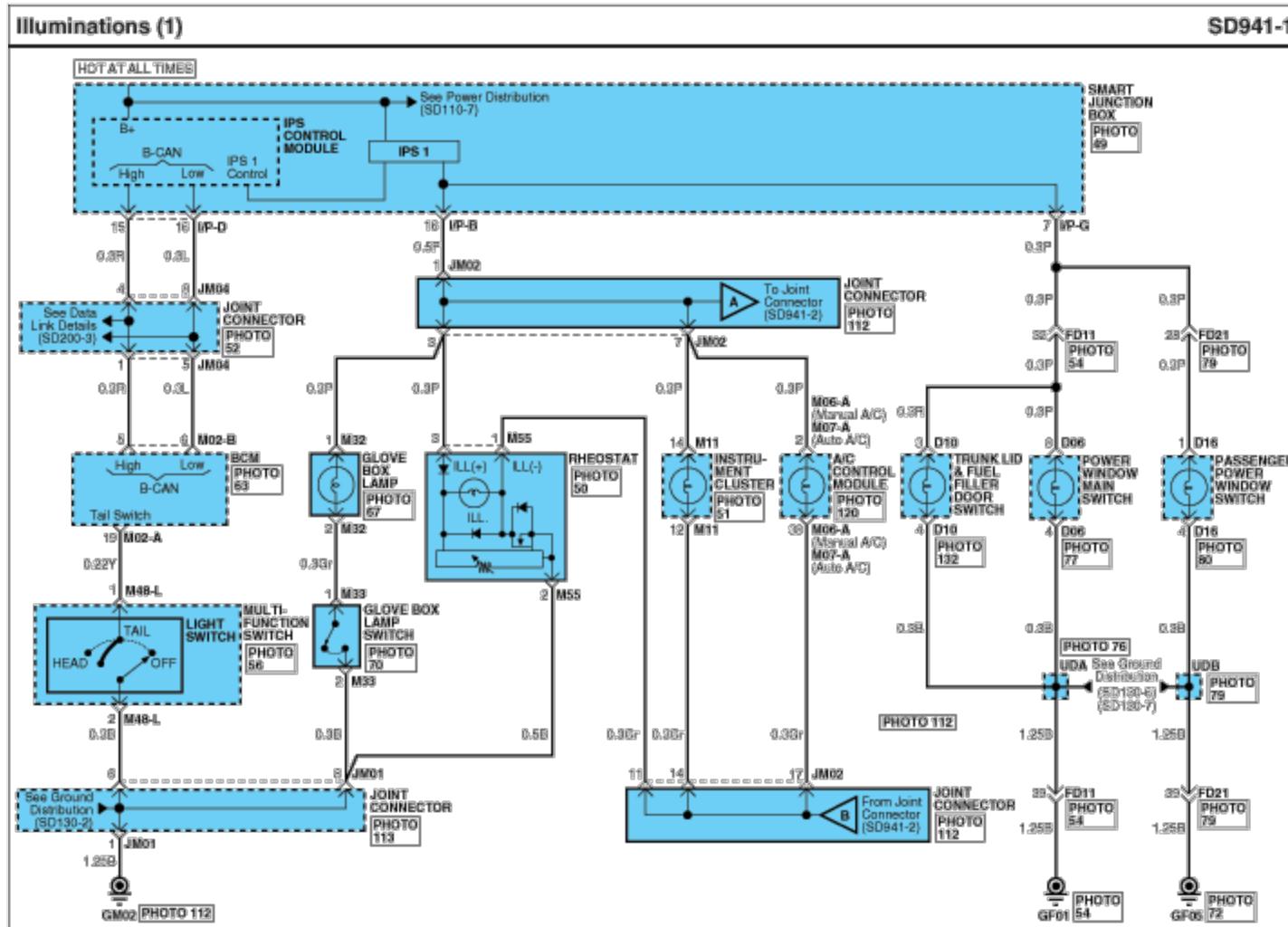


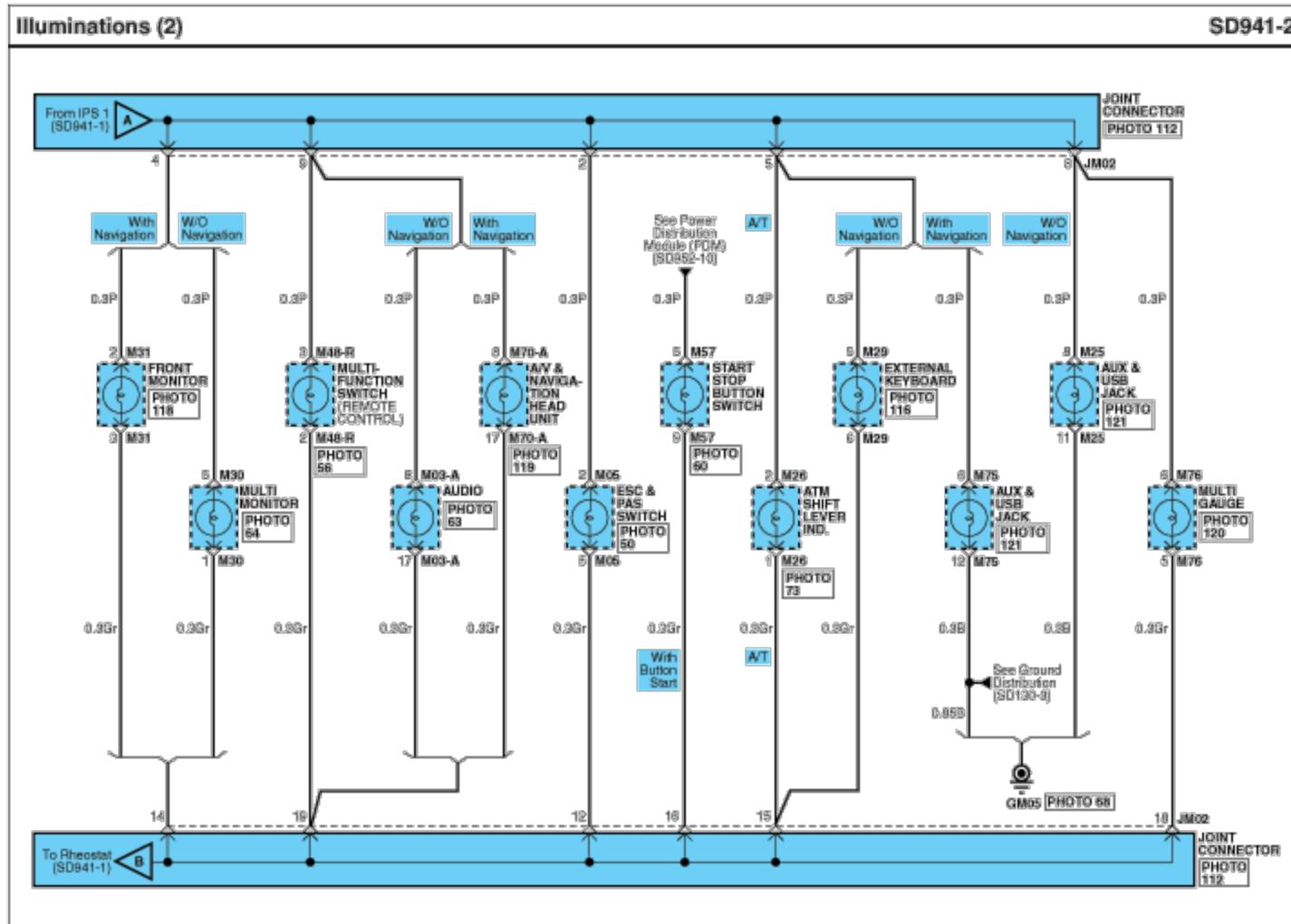


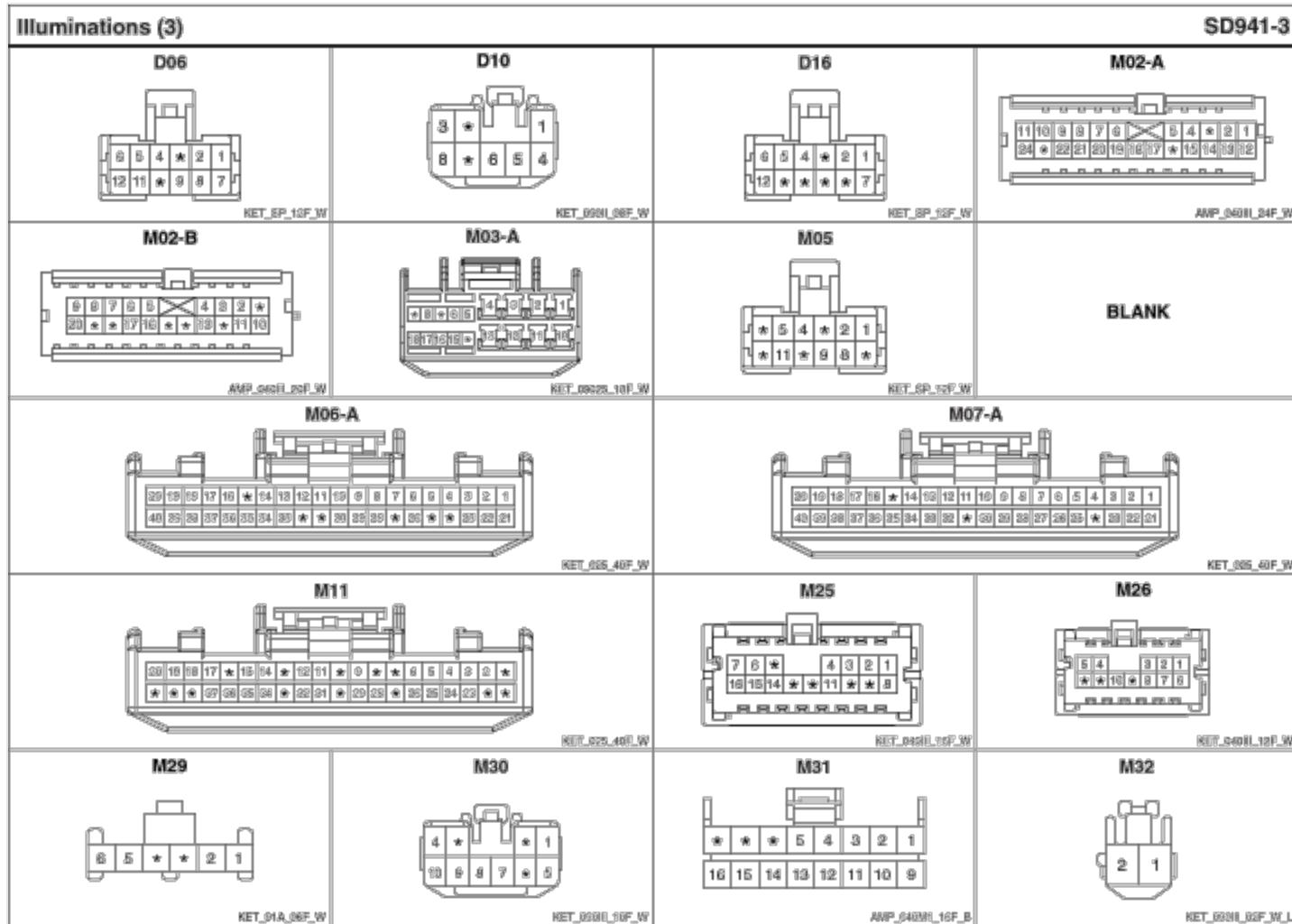
Schematic Diagrams

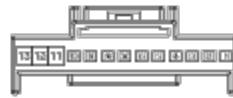
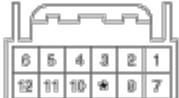
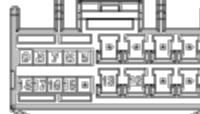
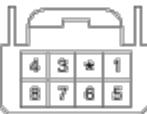


Illuminations





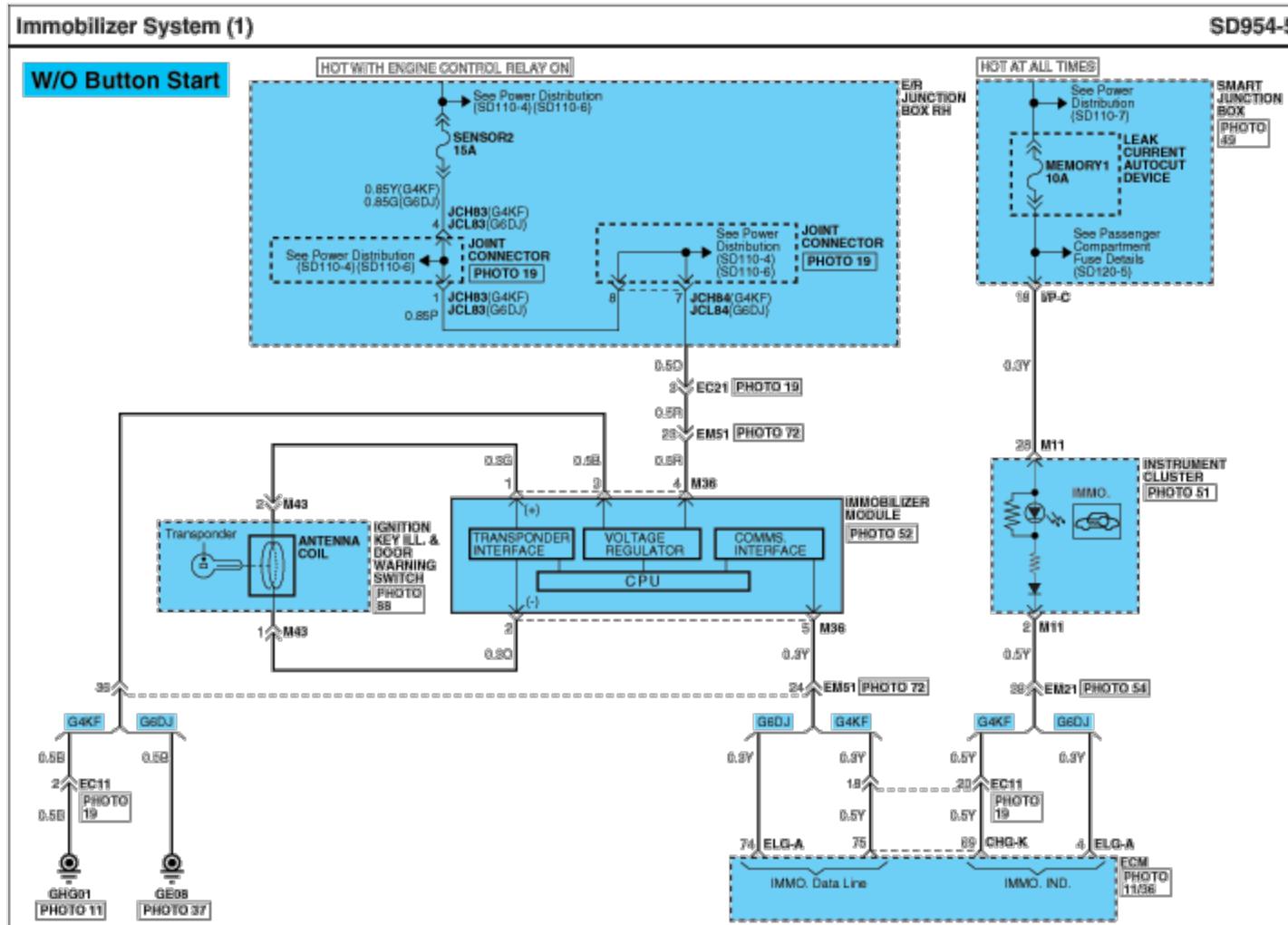


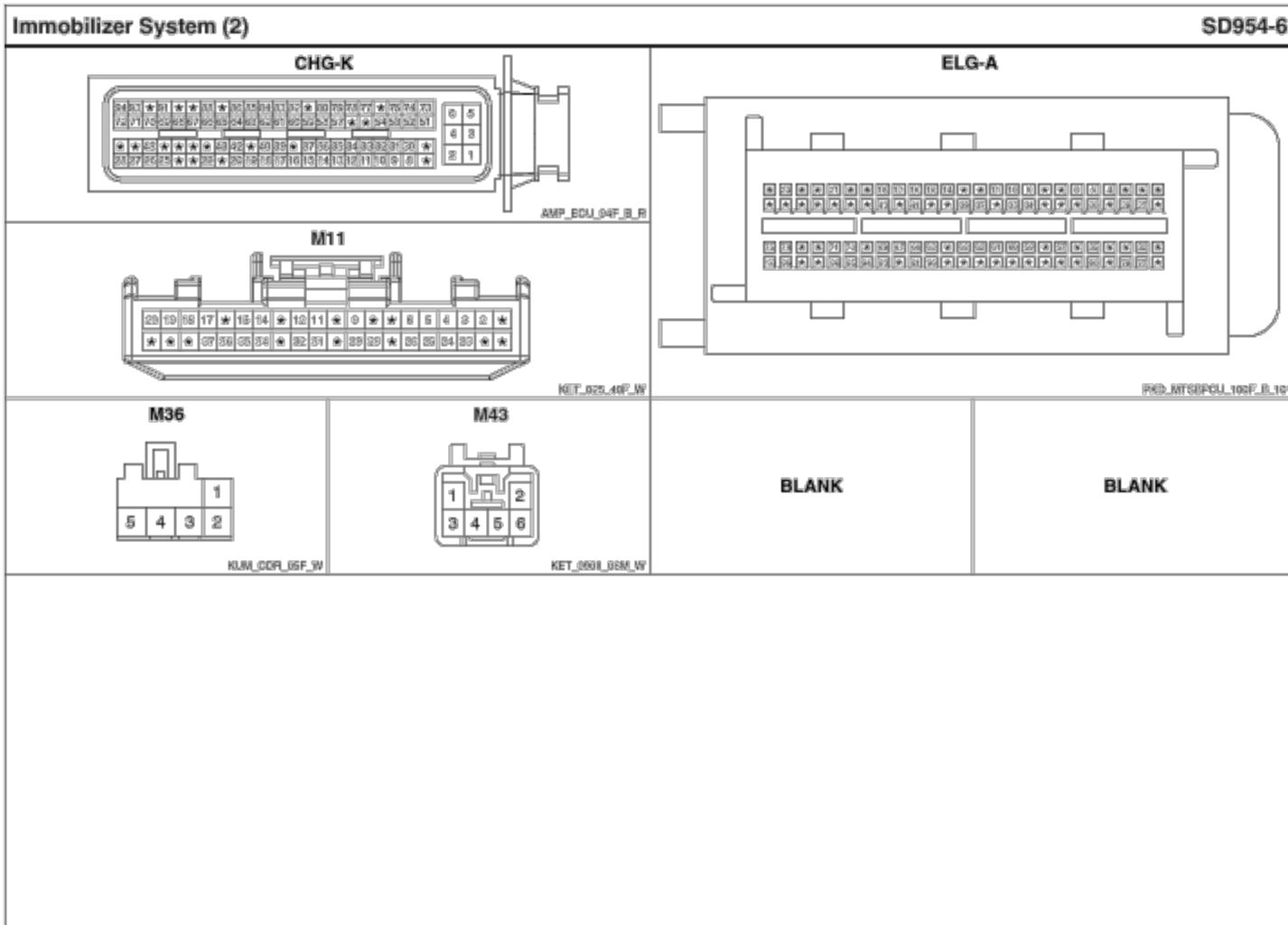
Illuminations (4)				SD941-4
M33	M48-L	M48-R	M55	
				KET_187_00F_W
				KET_B428_12F_W
				AMP_025_12F_W
M57	M70-A	M75	M76	
				MLX_JTF_10P_B
				KET_0029_10P_W
				AMP_025_12F_W
				AMP_025_06F_W

Schematic Diagrams



Immobilizer System

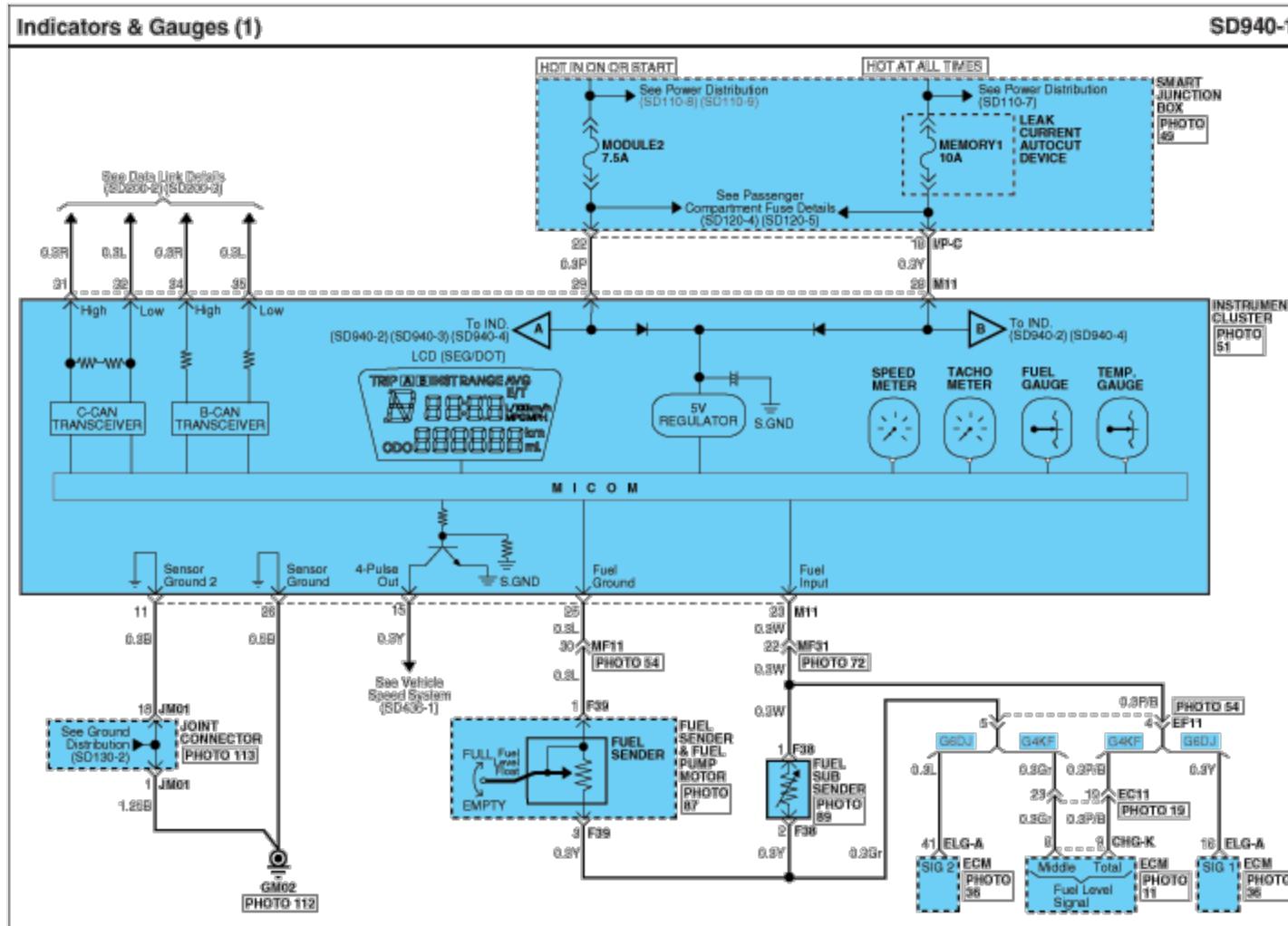




Schematic Diagrams

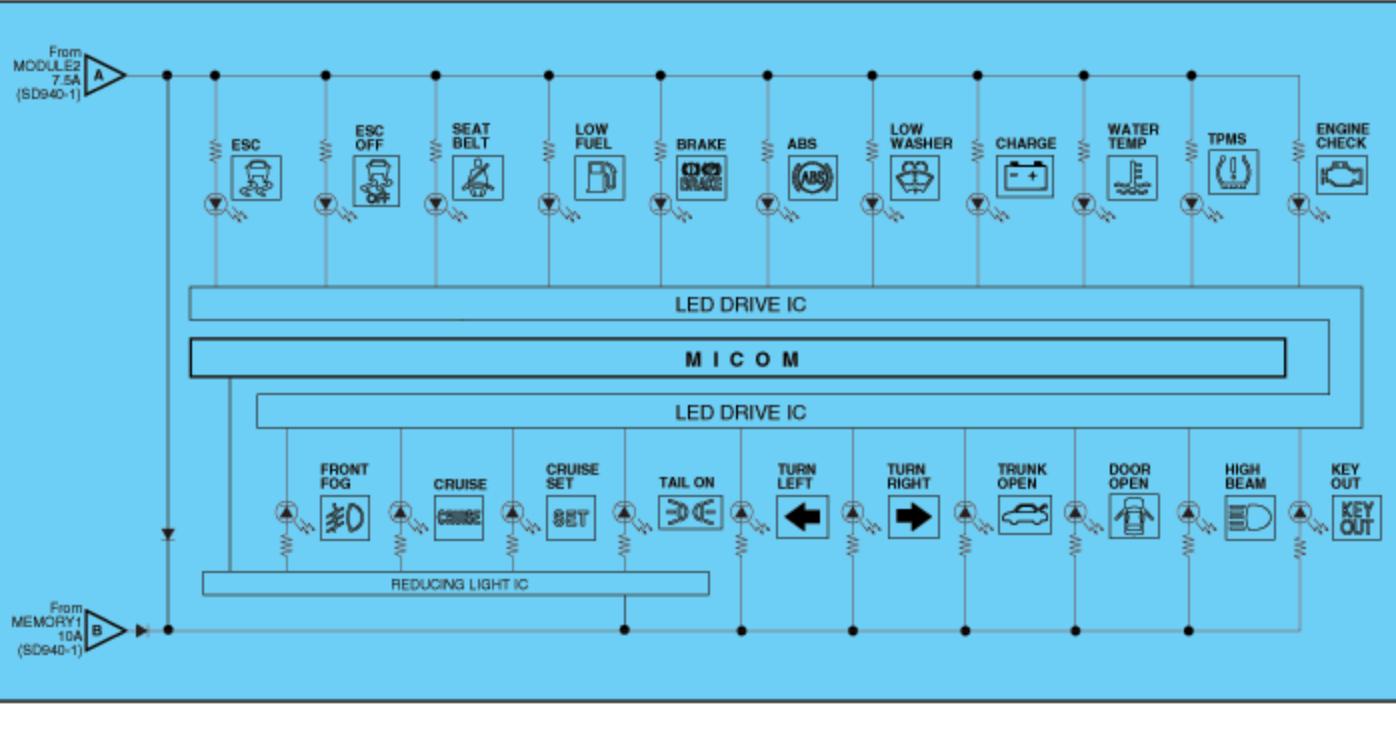


Indicators & Gauges



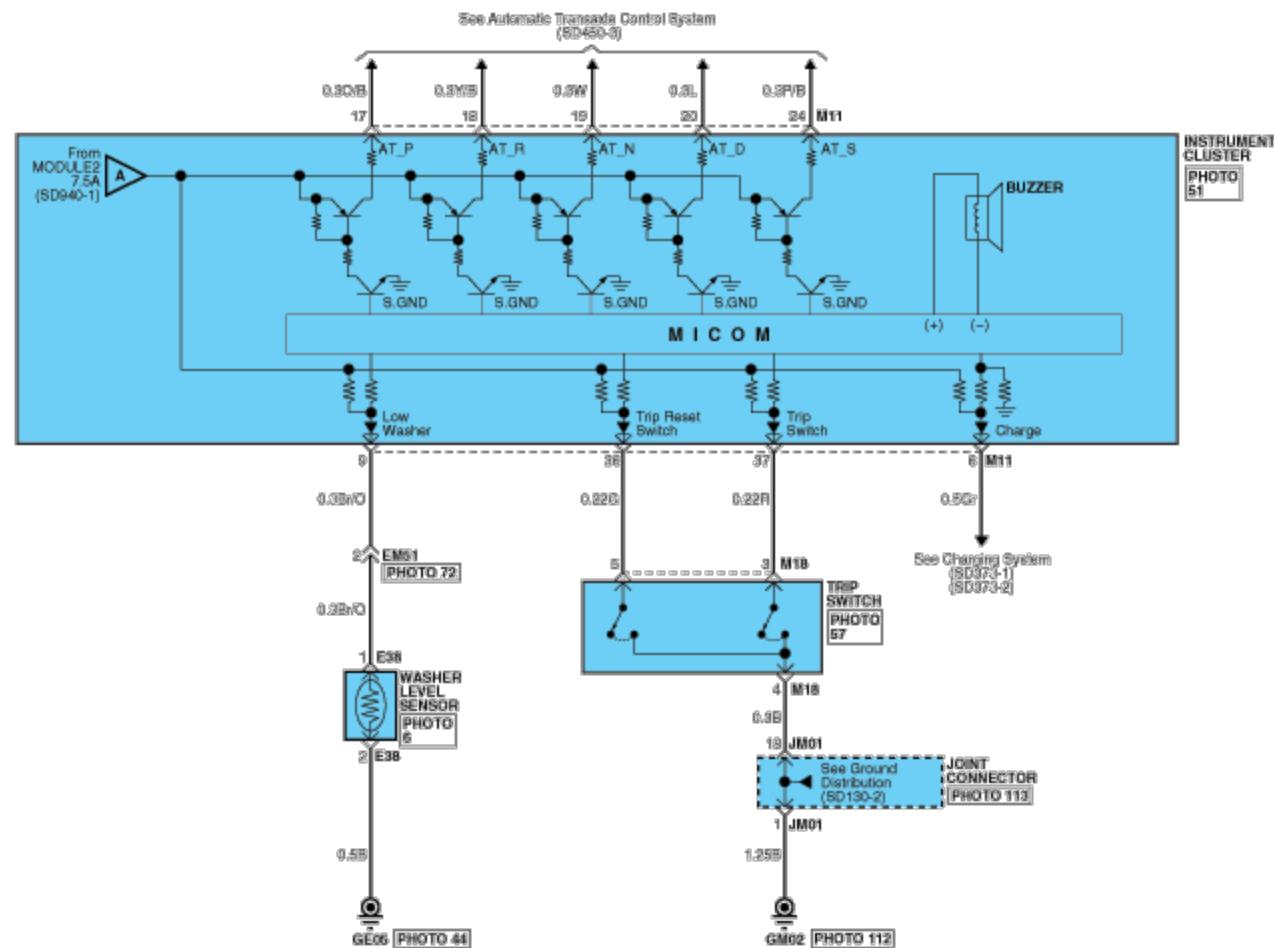
Indicators & Gauges (2)

SD940-2

PHOTO
51 INSTRUMENT
CLUSTER

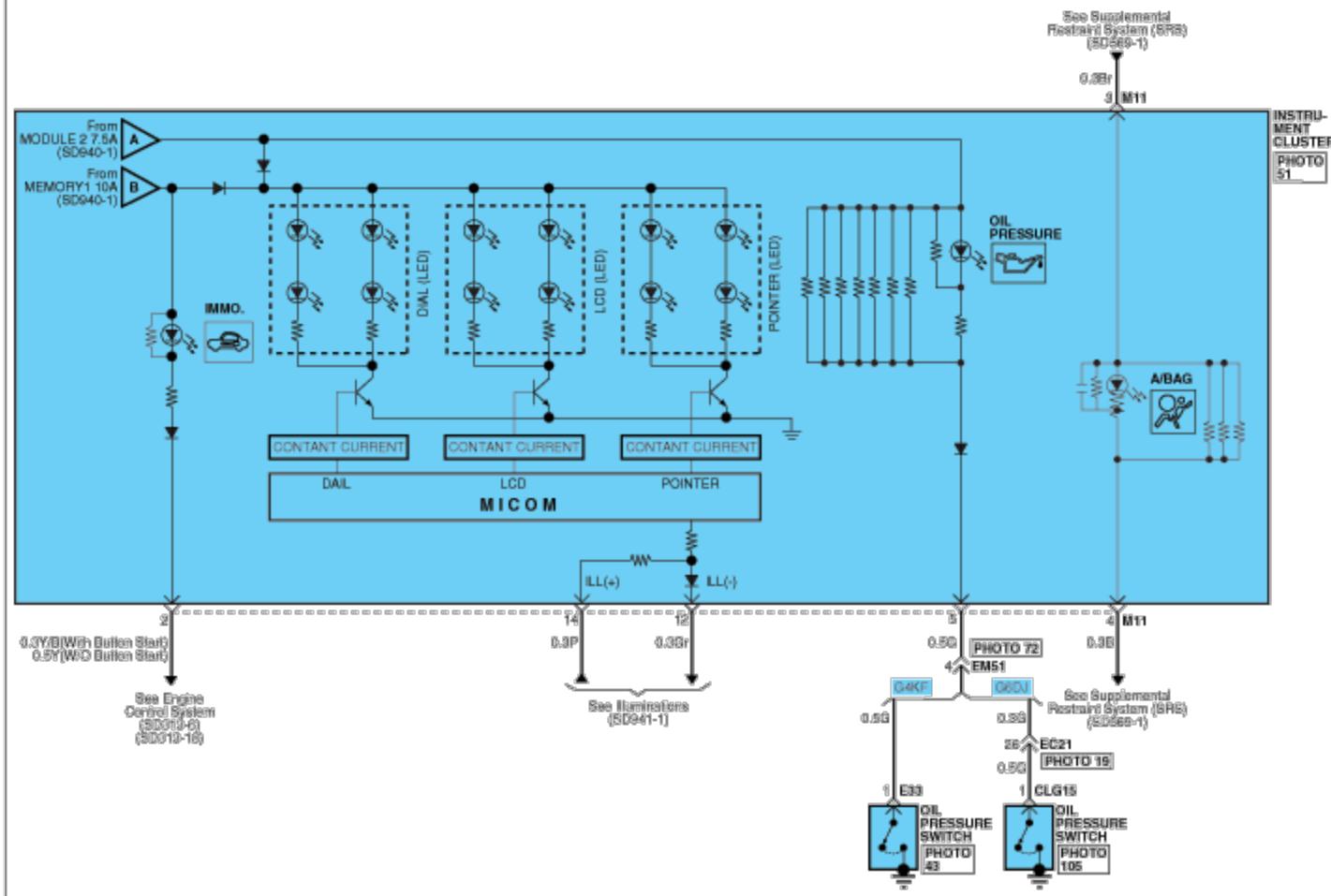
Indicators & Gauges (3)

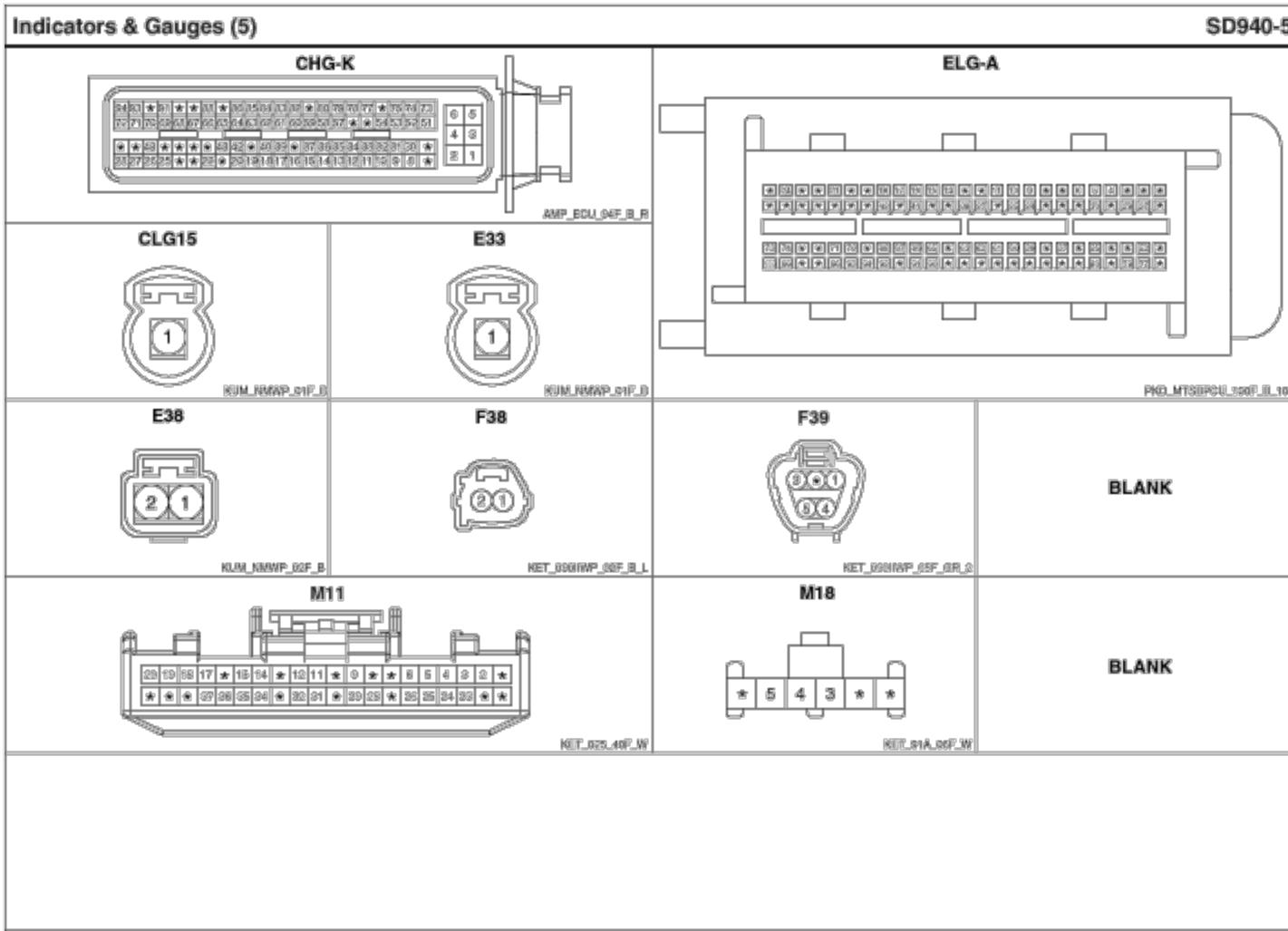
SD940-3



Indicators & Gauges (4)

SD940-4

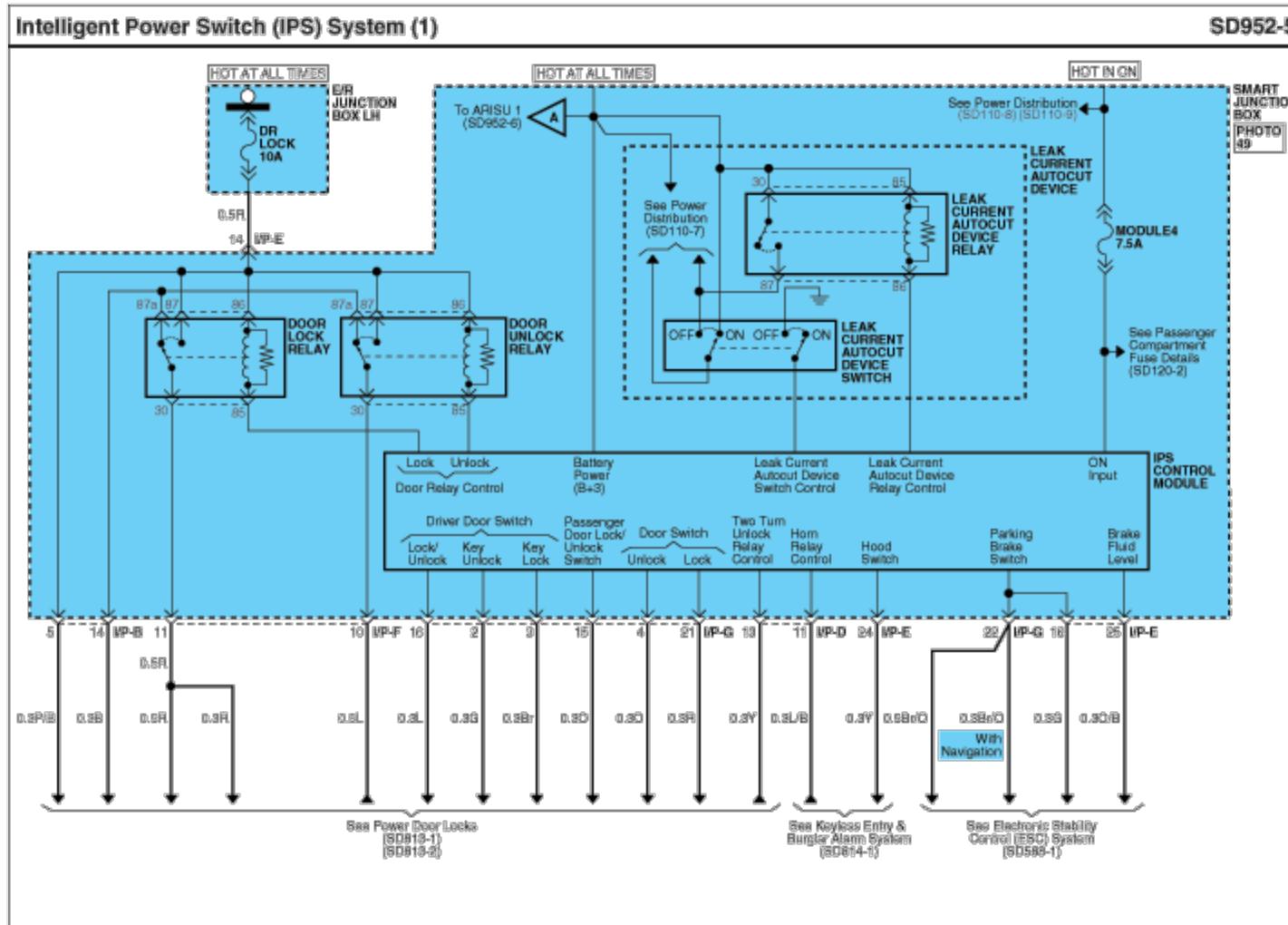




Schematic Diagrams

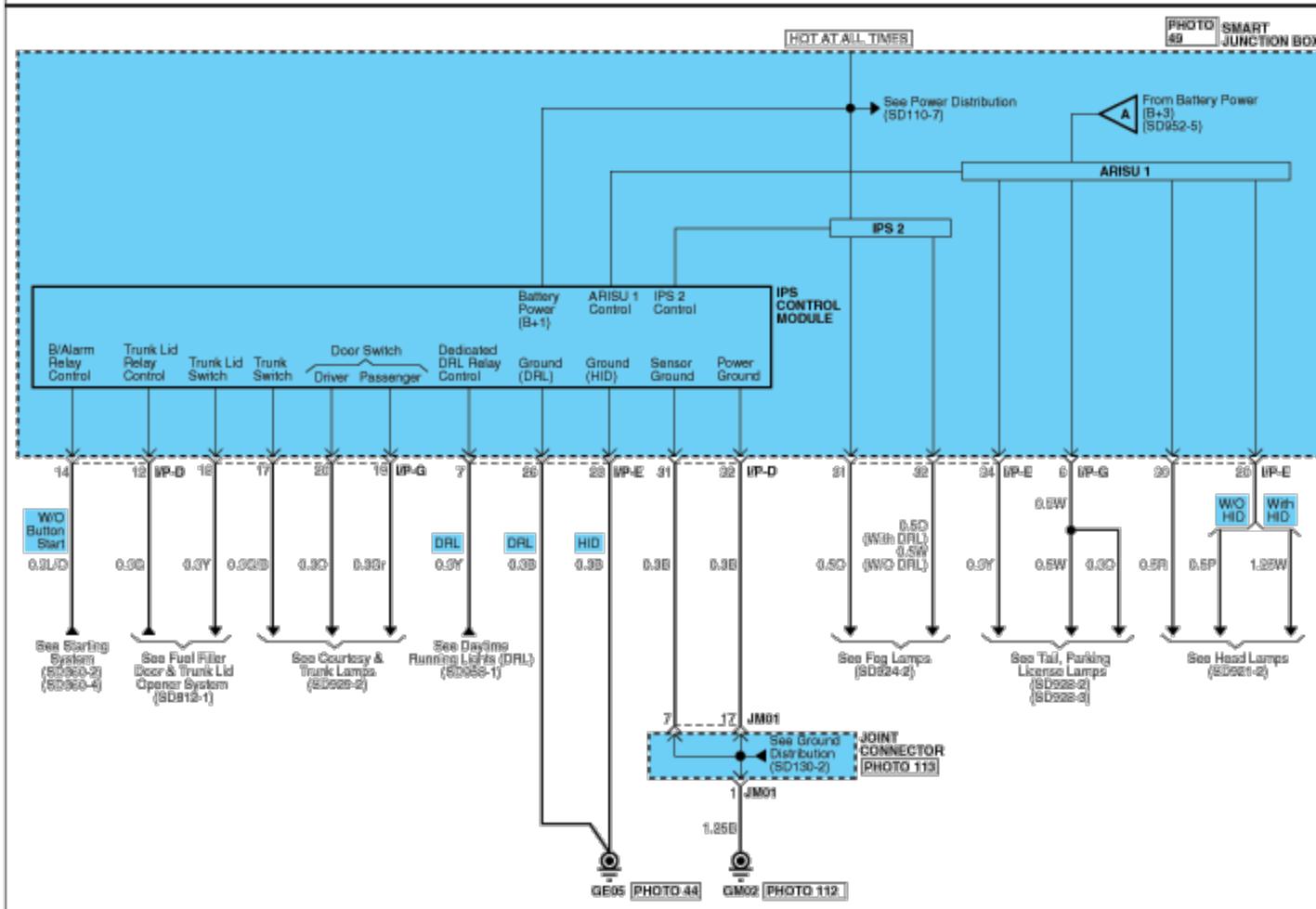


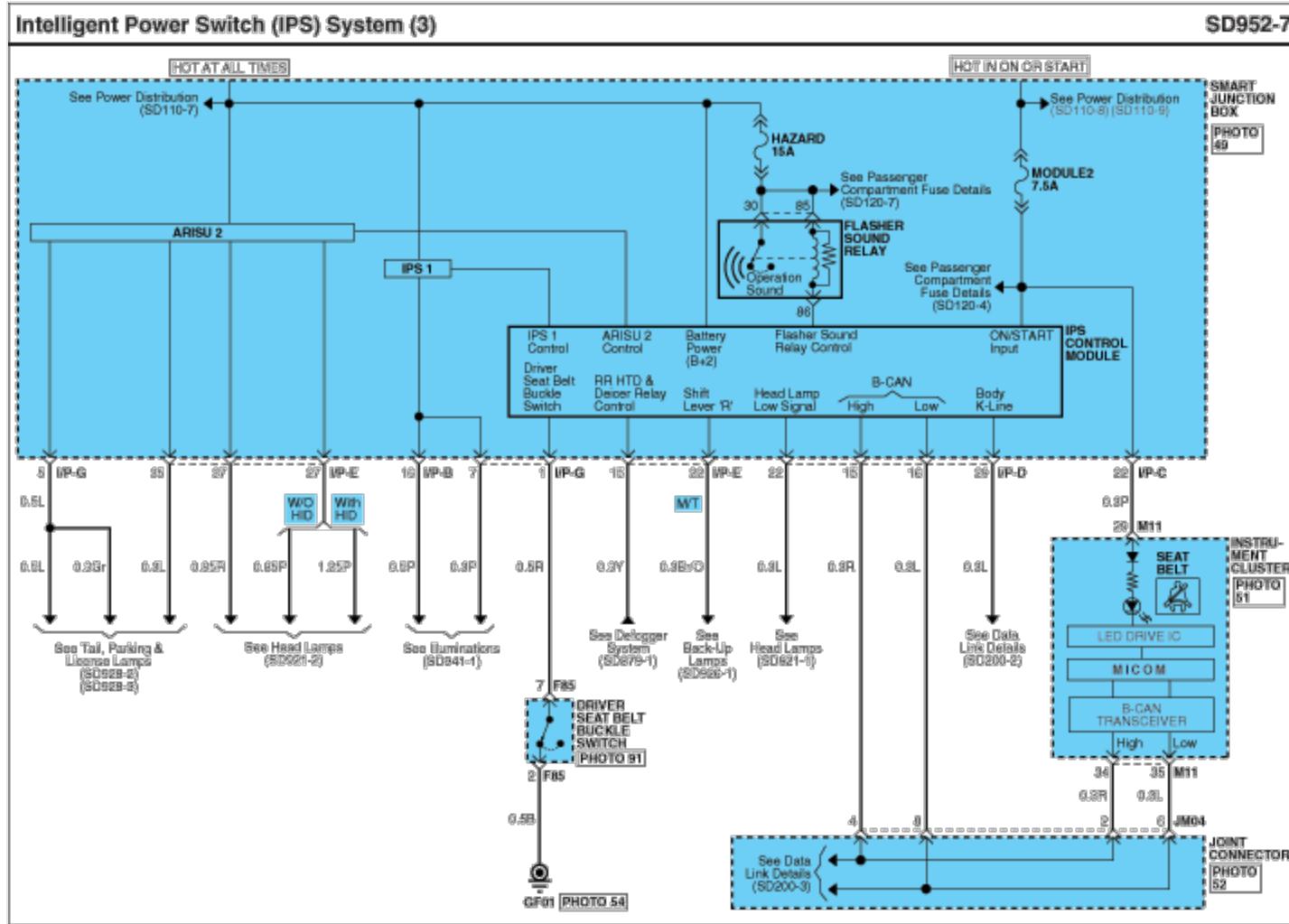
Intelligent Power Switch (IPS) System

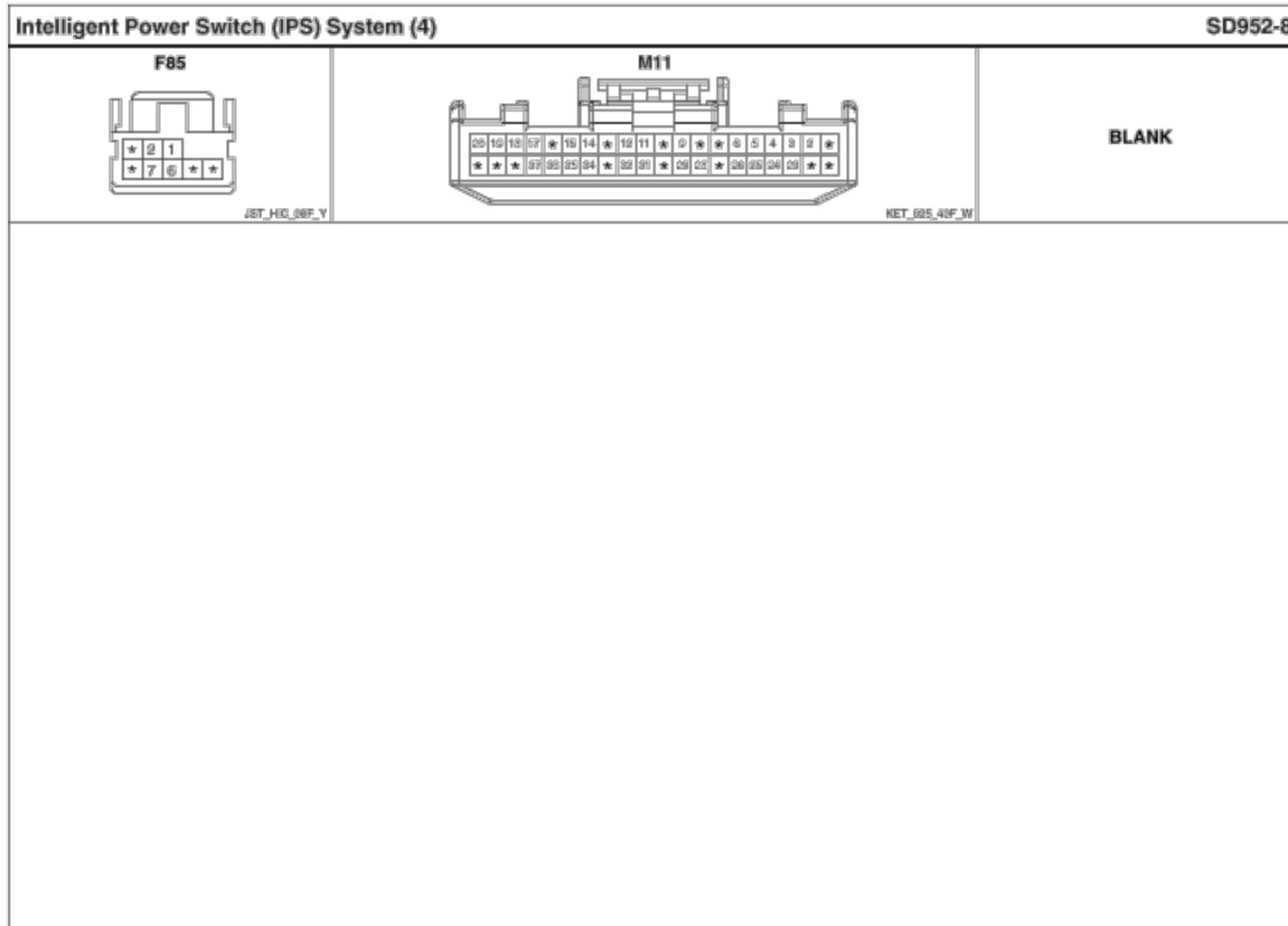


Intelligent Power Switch (IPS) System (2)

SD952-6







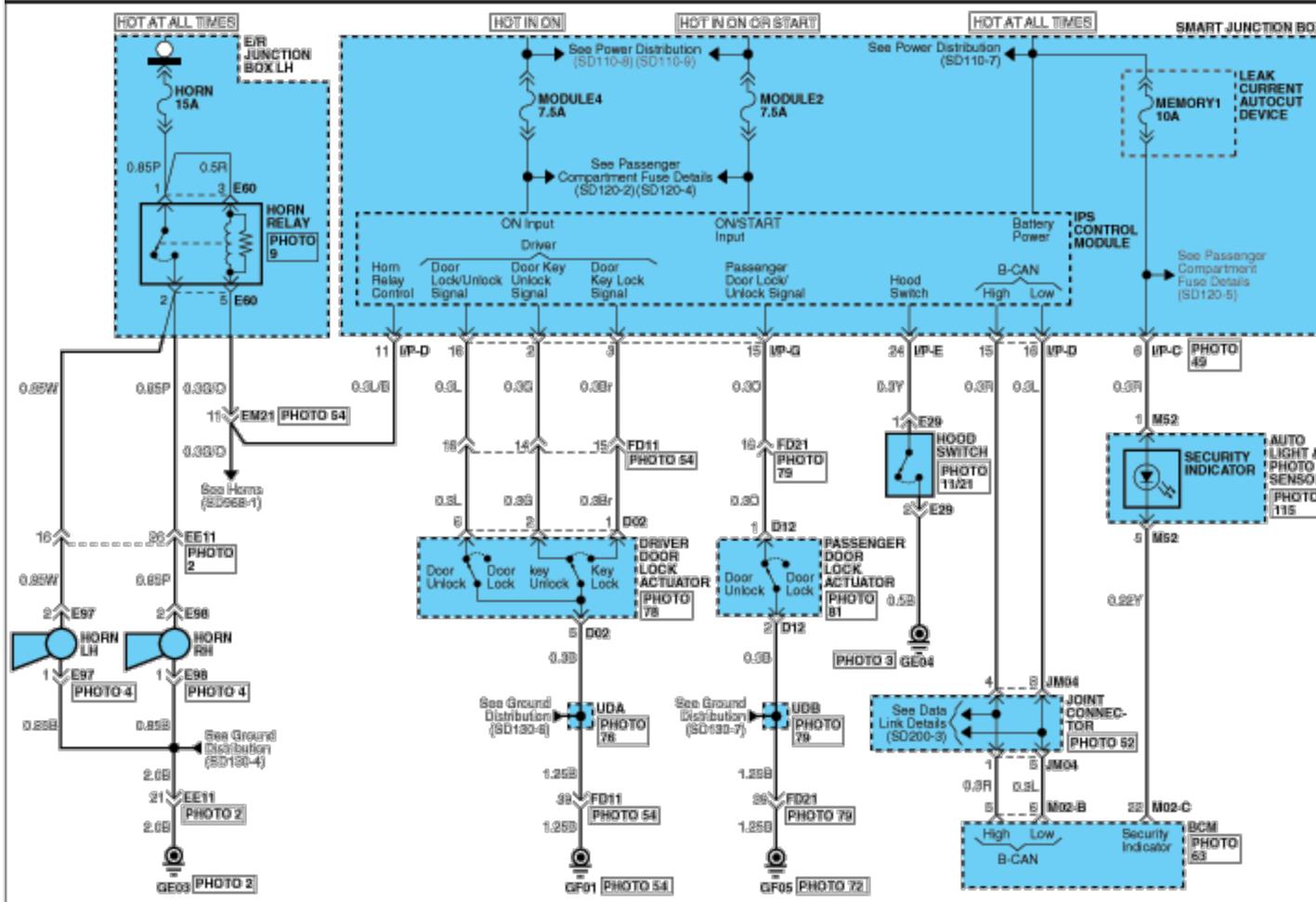
Schematic Diagrams

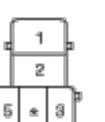
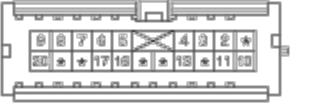
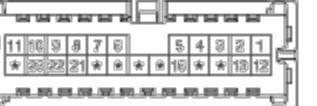


Keyless Entry & Burglar Alarm System

Keyless Entry & Burglar Alarm System (1)

SD814-1

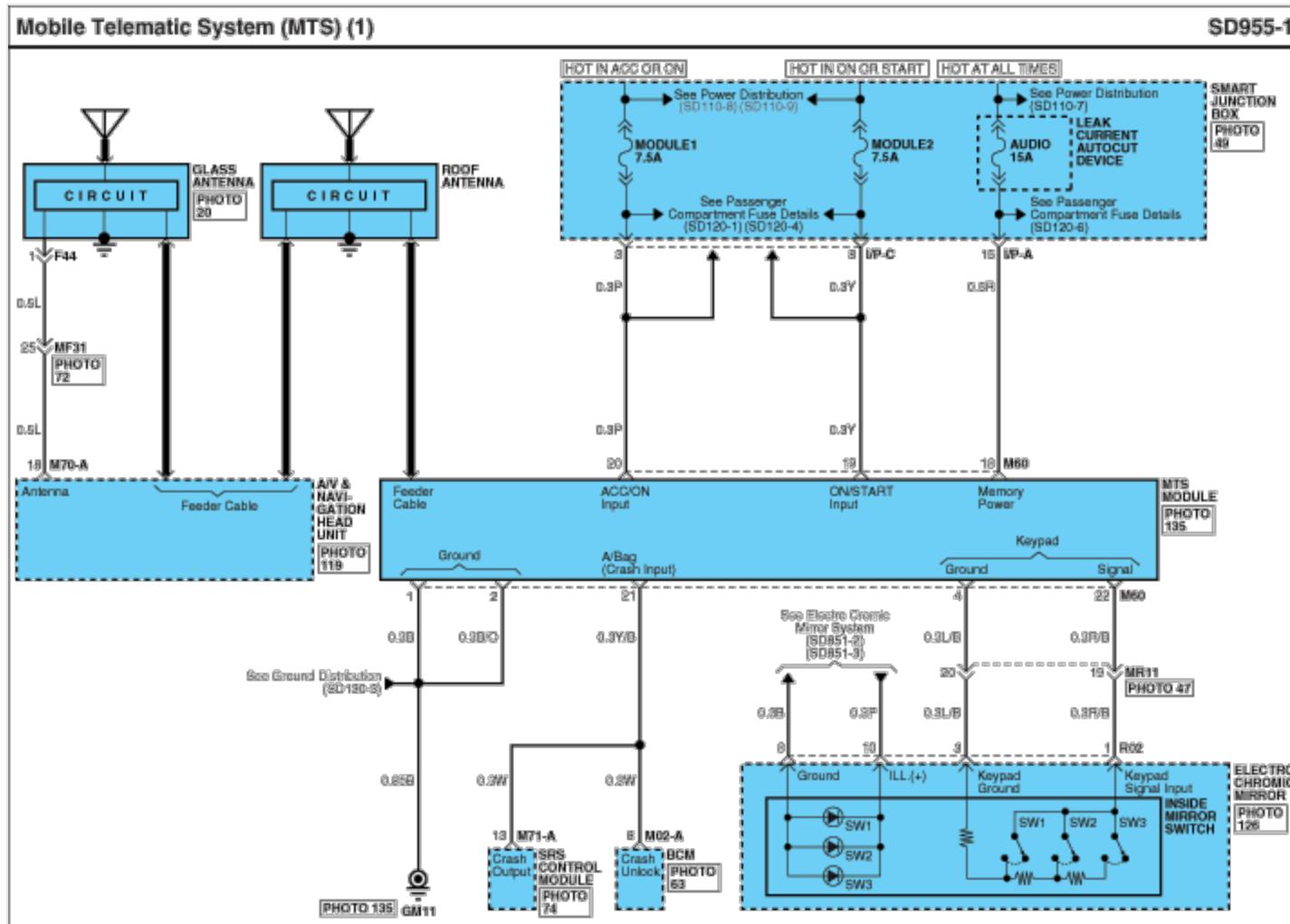


Keyless Entry & Burglar Alarm System (2)				SD814-2
D02  FCL_MNRWP_BSF_B	D12  FCL_MNRWP_BSF_B	E29  KET_GNRWP_BSF_B_ASM	E60  CRREFS1	
E97  MLX_HORN_BSF_B_FILT	E98  MLX_HORN_BSF_B_FILT	M02-B  AMP_M02L_BSF_W	M02-C  AMP_M02L_BSF_D	
M52  KET_GSR_BSF_BR	BLANK	BLANK	BLANK	

Schematic Diagrams

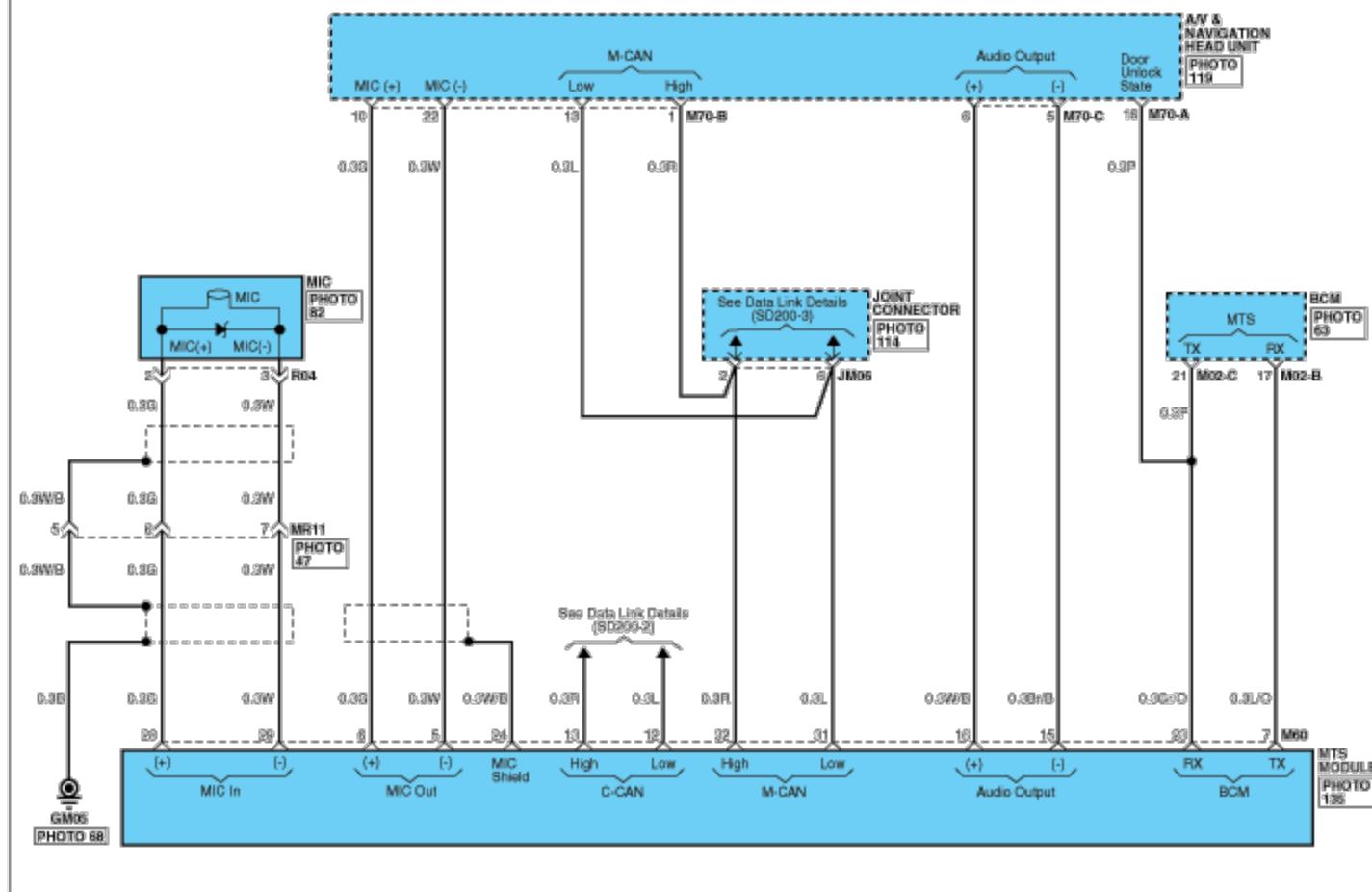


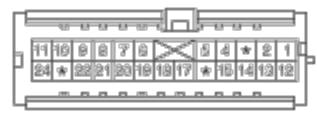
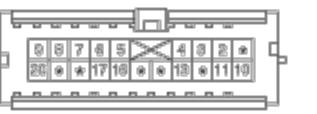
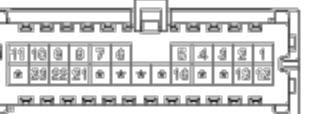
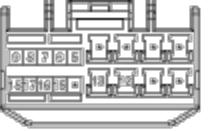
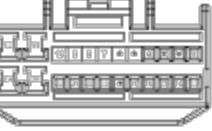
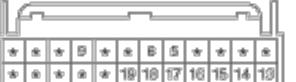
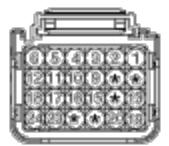
Mobile Telematic System (MTS)



Mobile Telematic System (MTS) (2)

SD955-2



Mobile Telematic System (MTS) (3)				SD955-3
F44	M02-A	M02-B	M02-C	
 1 AMP_PLUG_01F_W_367	 AMP_B46II_24F_W	 AMP_B46II_24F_W	 AMP_B46II_24F_GR_B	
M60	M70-A	M70-B	M70-C	
 AMP_B22_24F_W	 KIT_B6629_16F_W	 KIT_B6629_24F_W	 AMP_B22_24F_W	
M71-A	R02	R04	BLANK	
 AMP_A63I_24F_B	 SUM_B25_10F_B	 KIT_EP_04F_W		

Schematic Diagrams

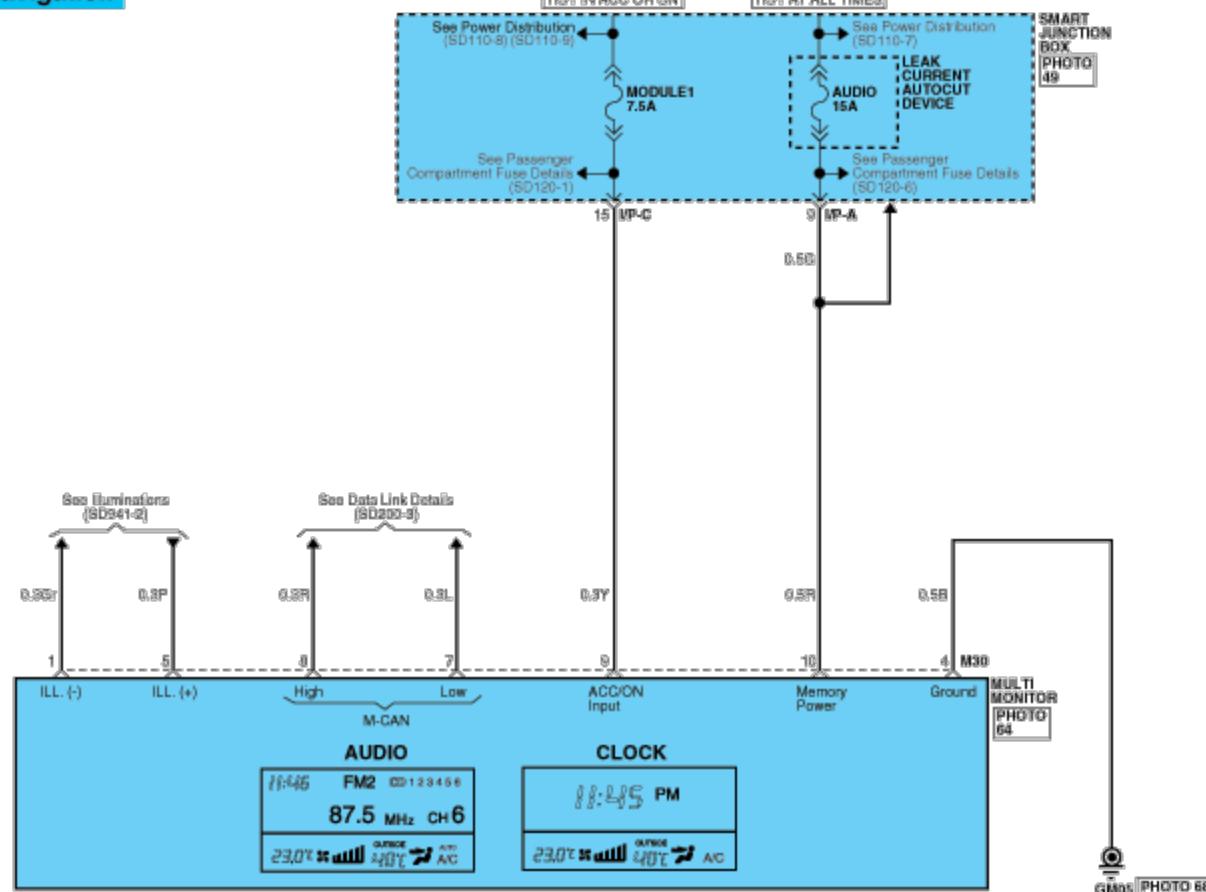


Monitor System

Monitor System (1)

SD965-1

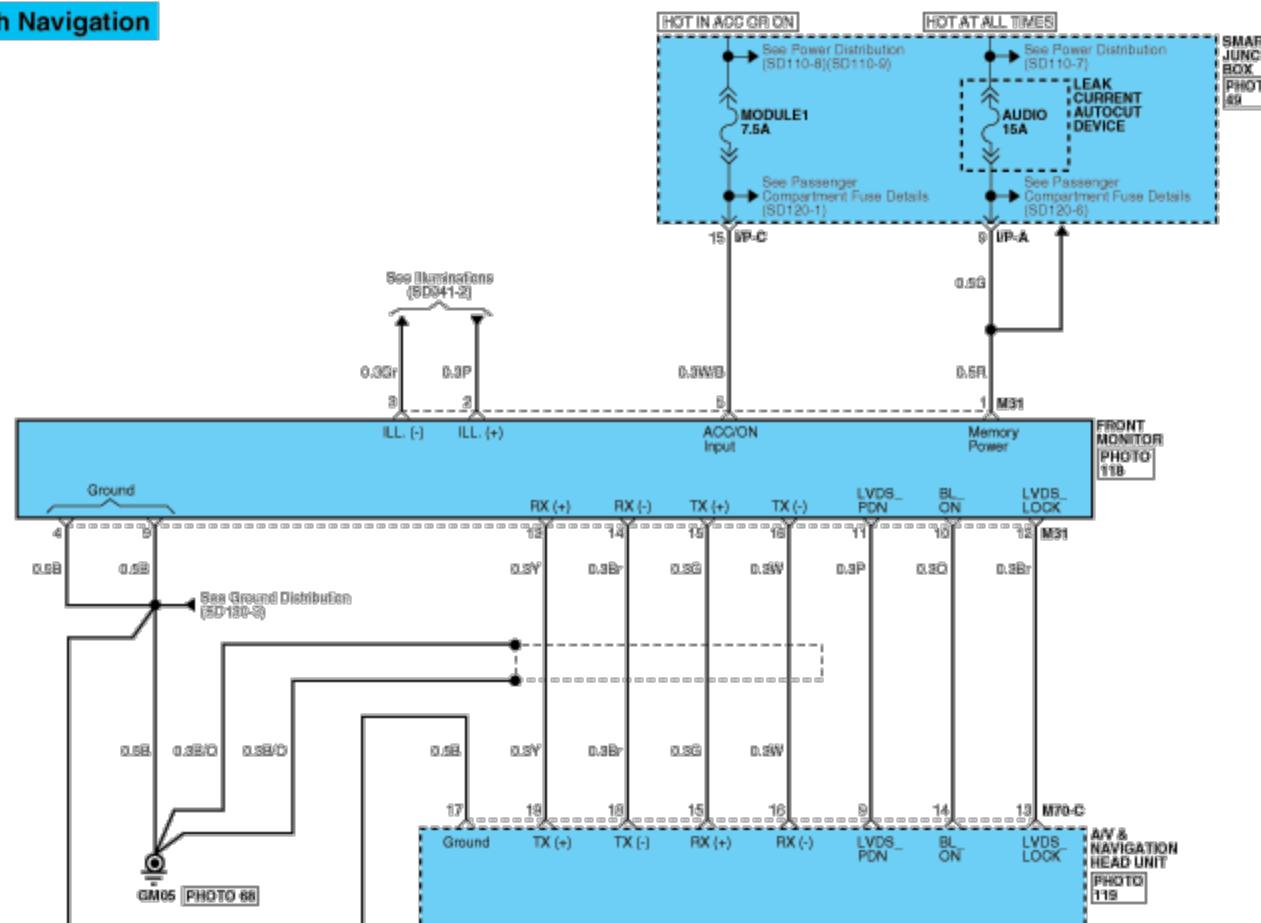
W/O Navigation

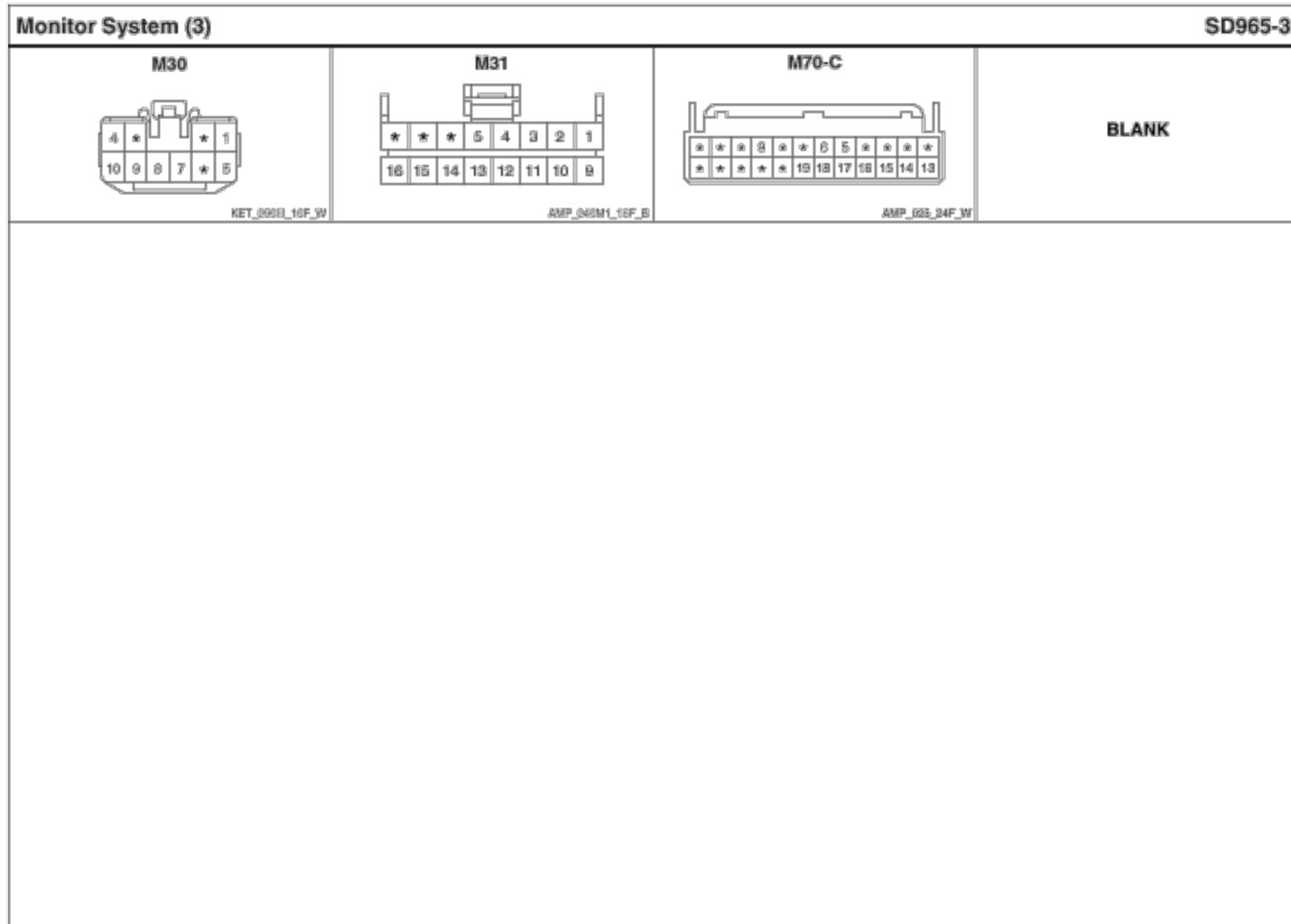


Monitor System (2)

SD965-2

With Navigation

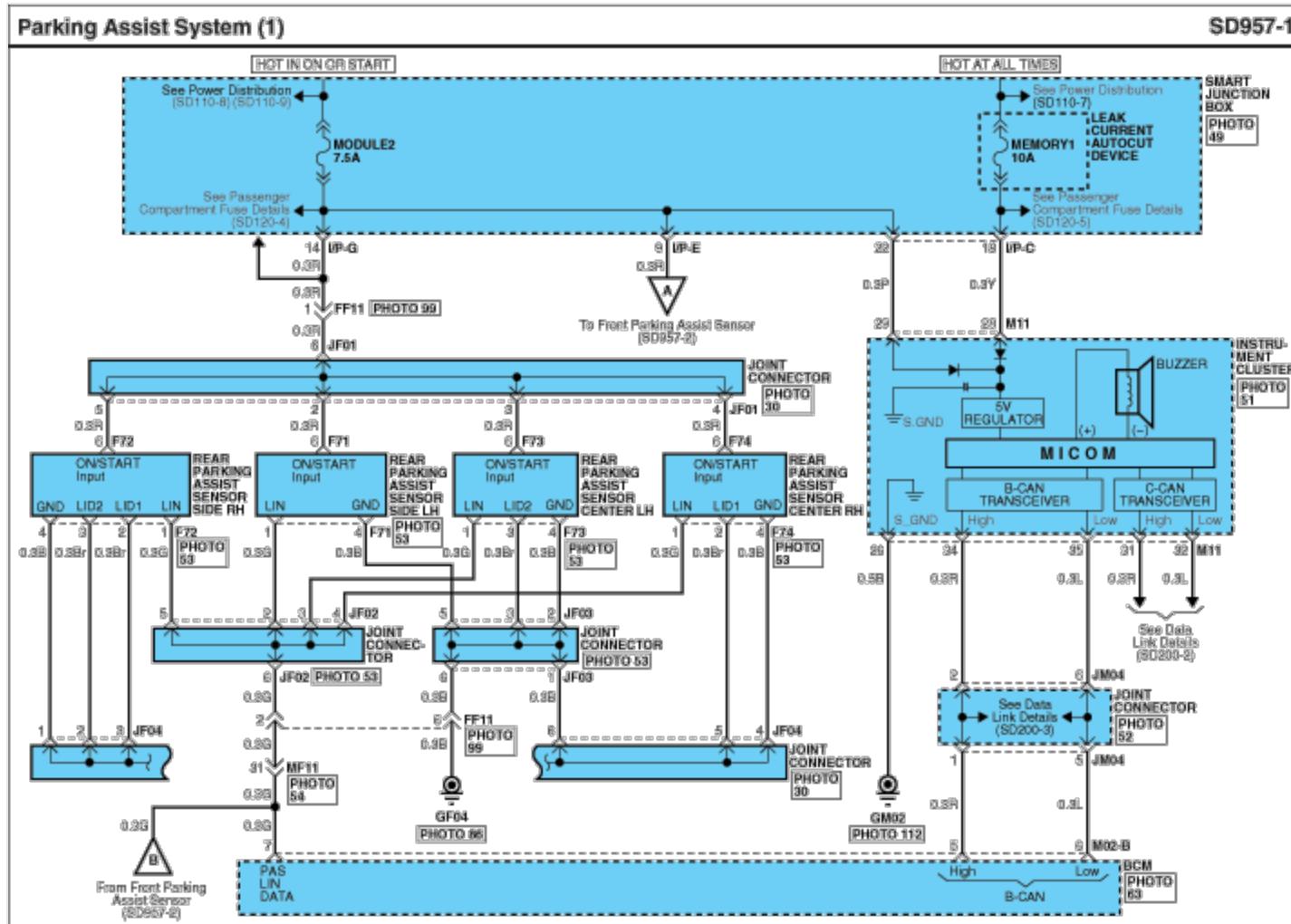


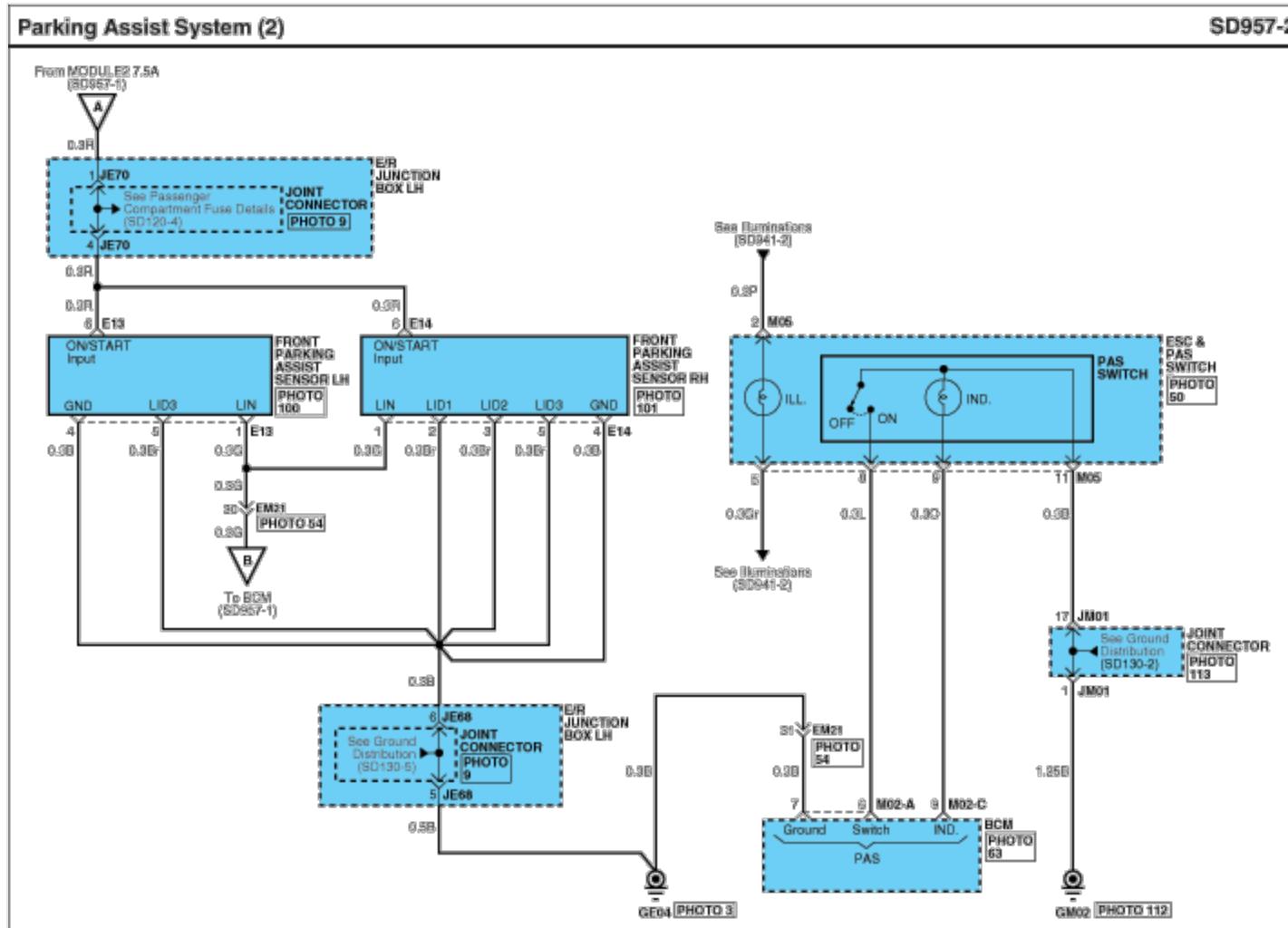


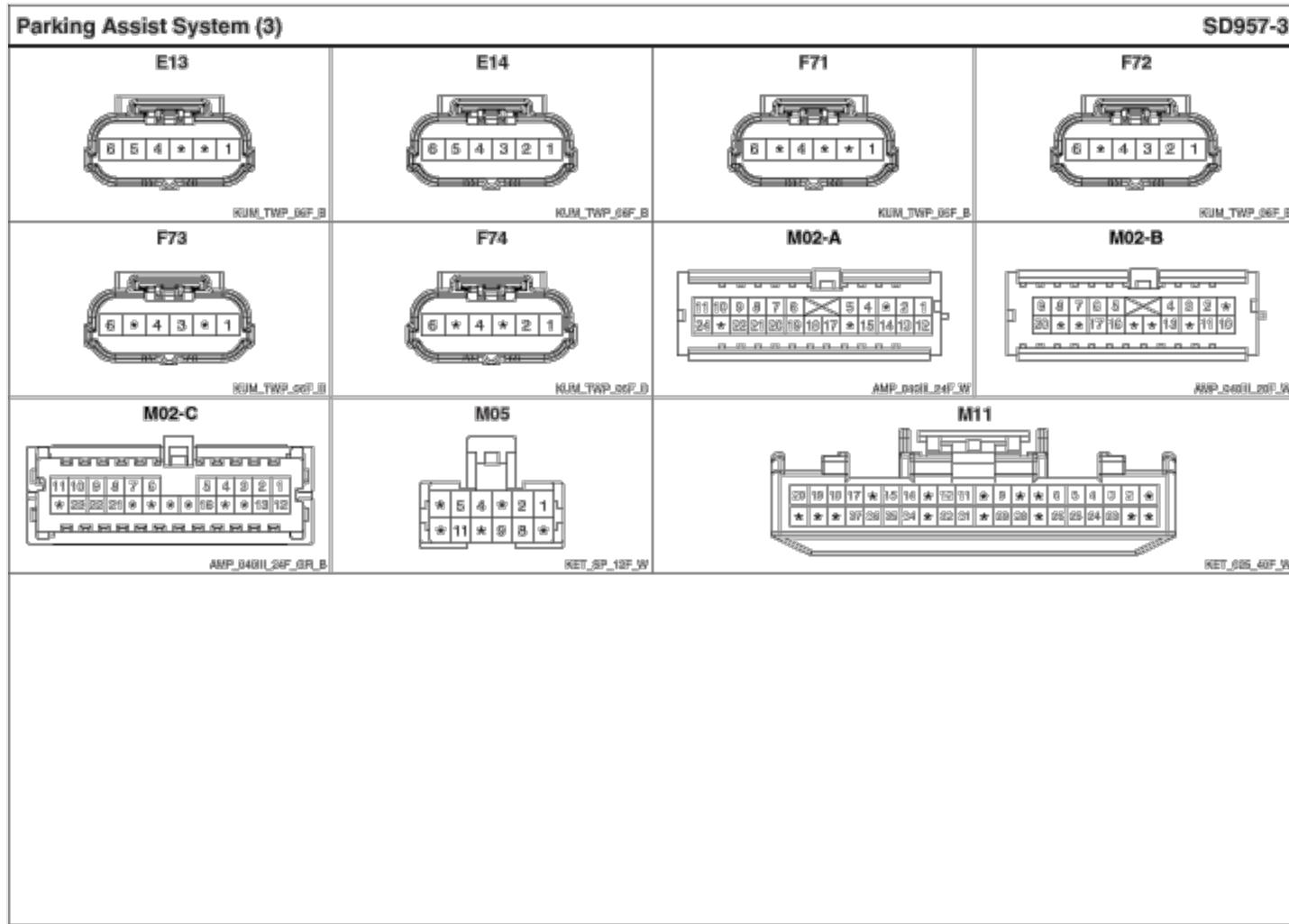
Schematic Diagrams



Parking Assist System







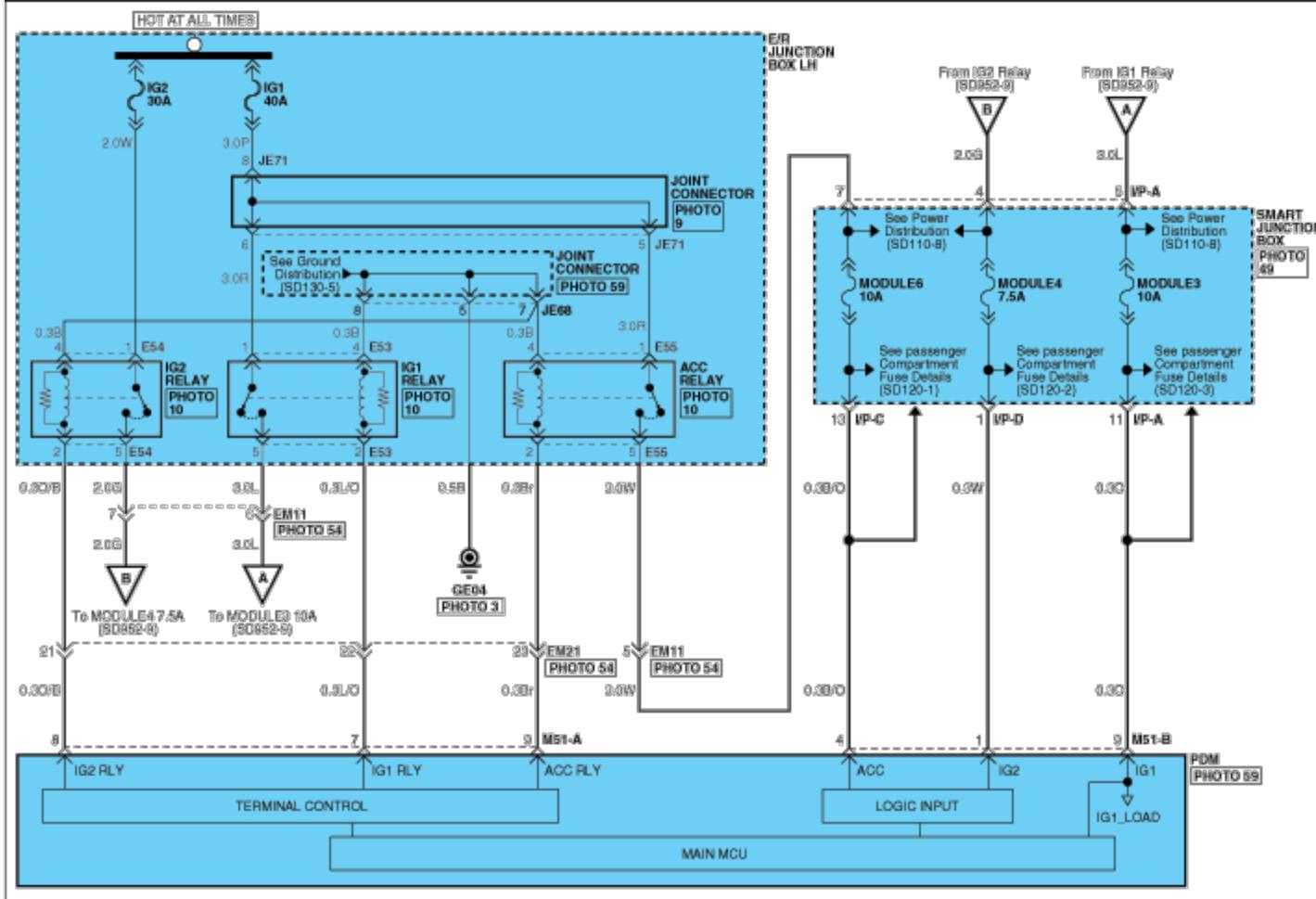
Schematic Diagrams



Power Distribution Module (PDM)

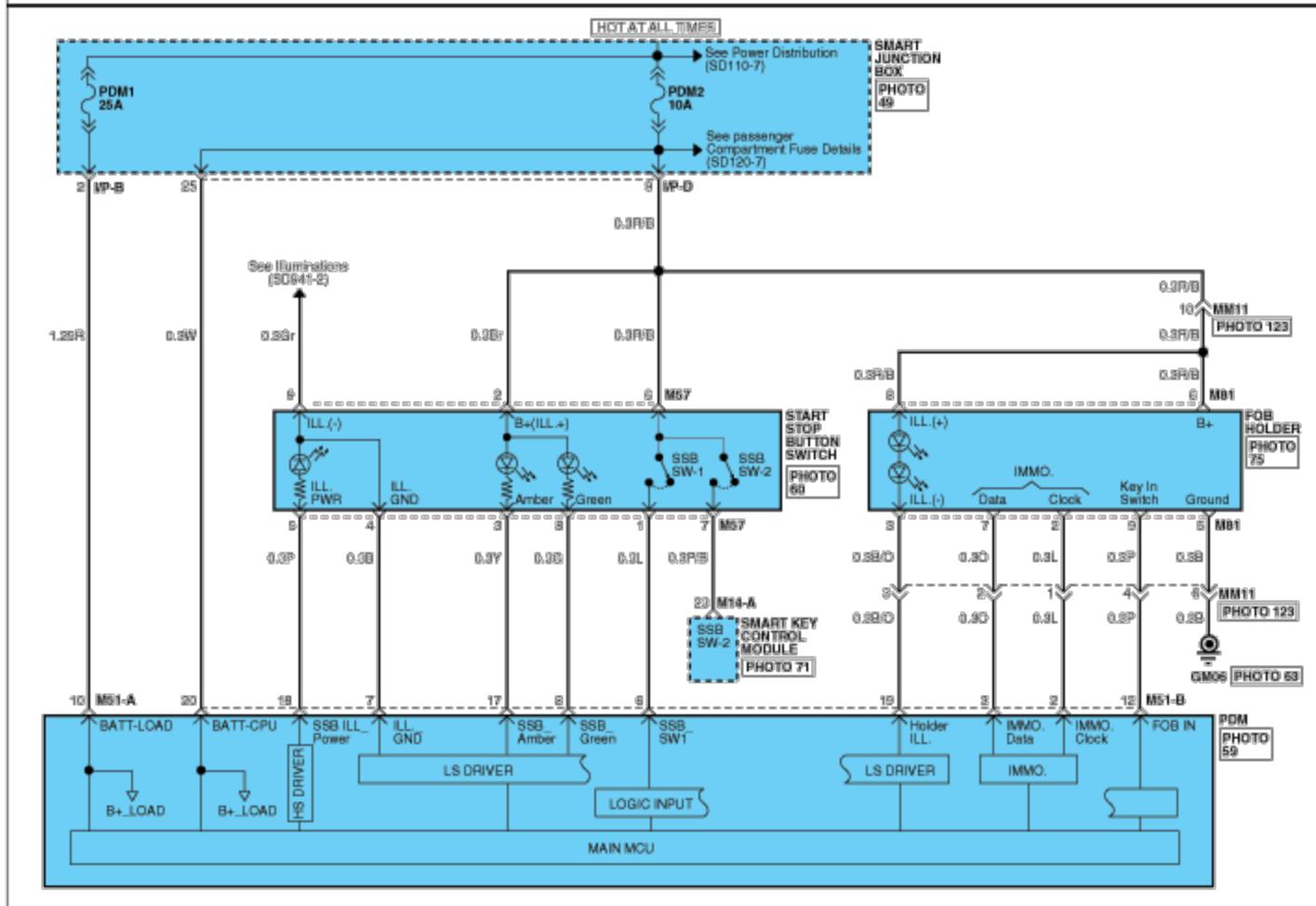
Power Distribution Module (PDM) (1)

SD952-9



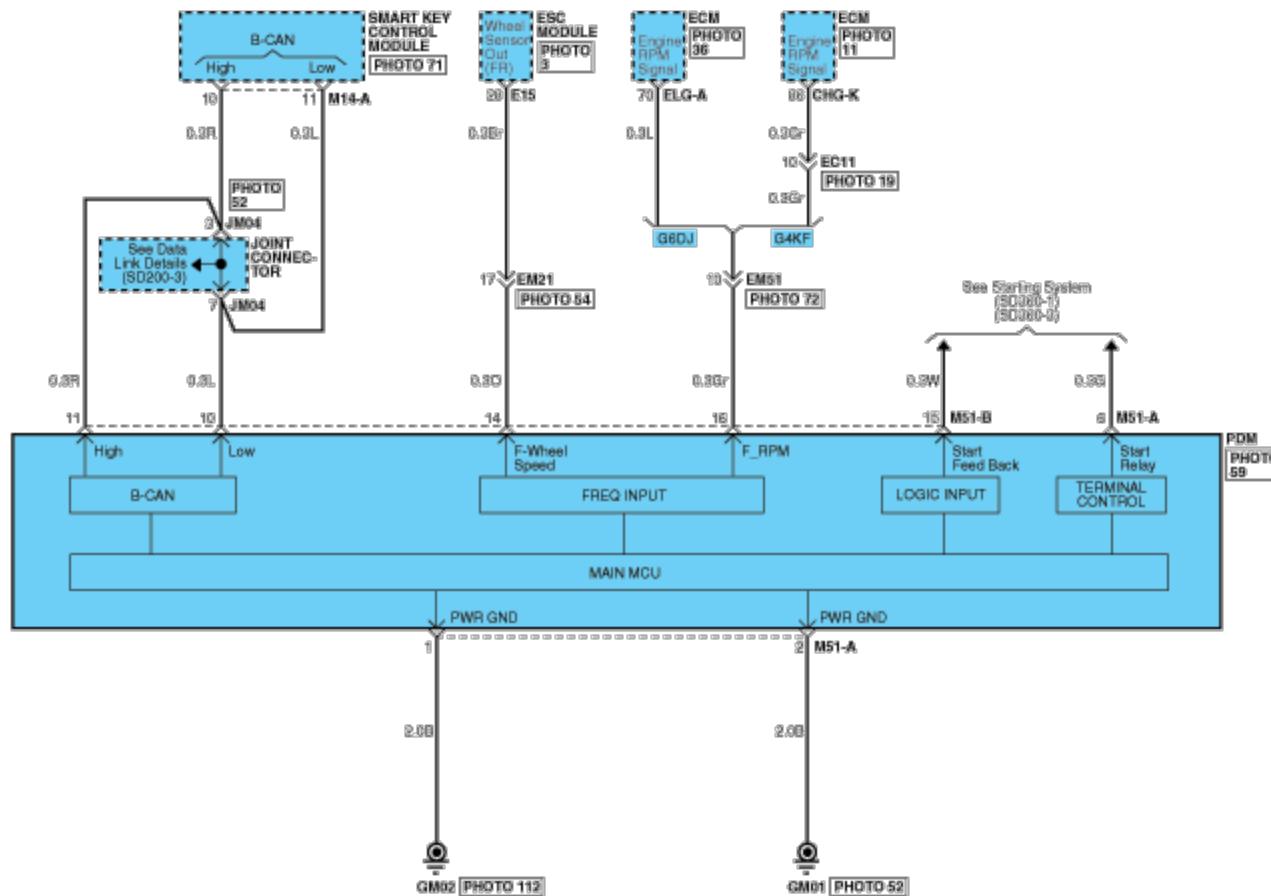
Power Distribution Module (PDM) (2)

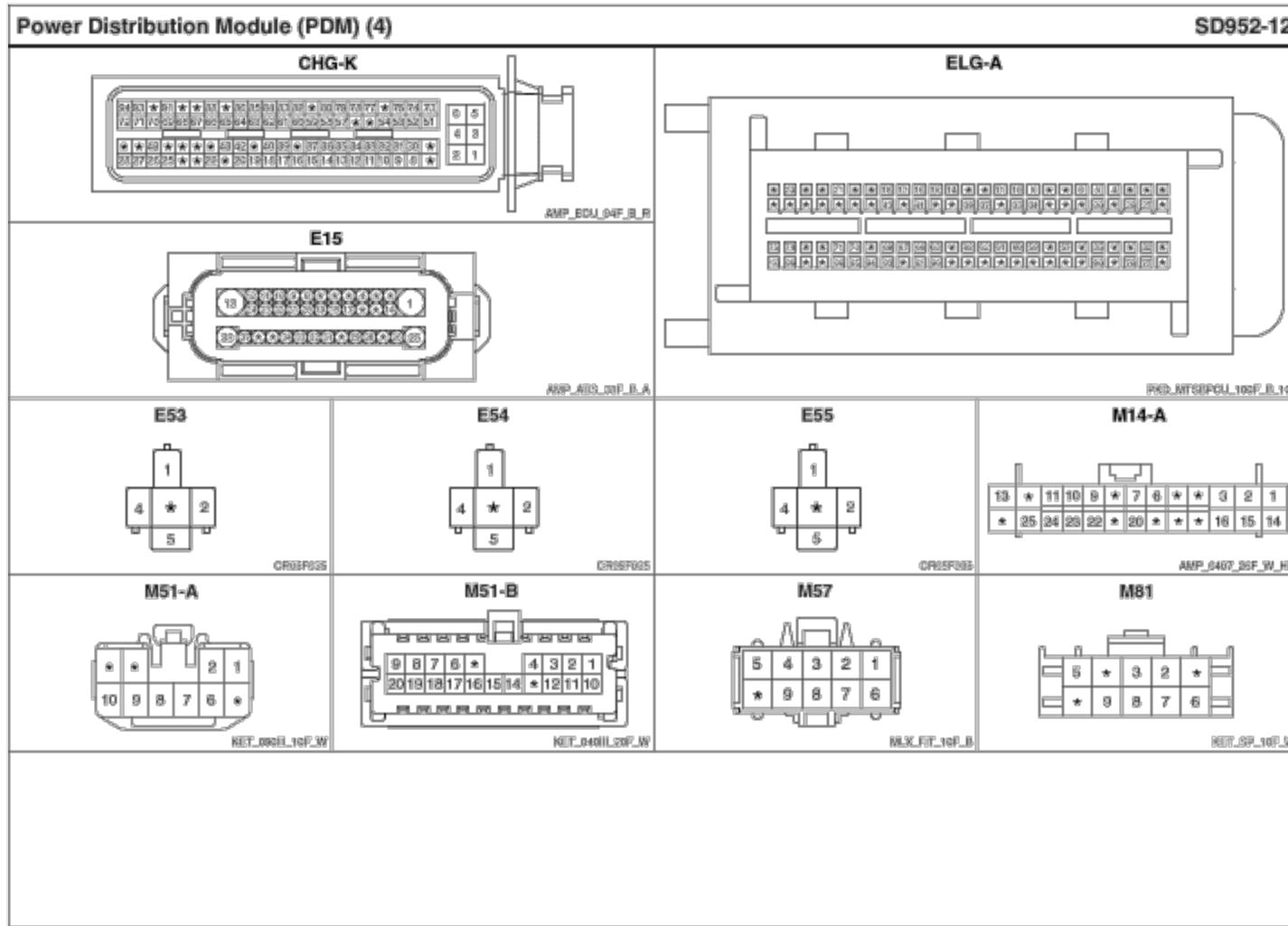
SD952-10



Power Distribution Module (PDM) (3)

SD952-11





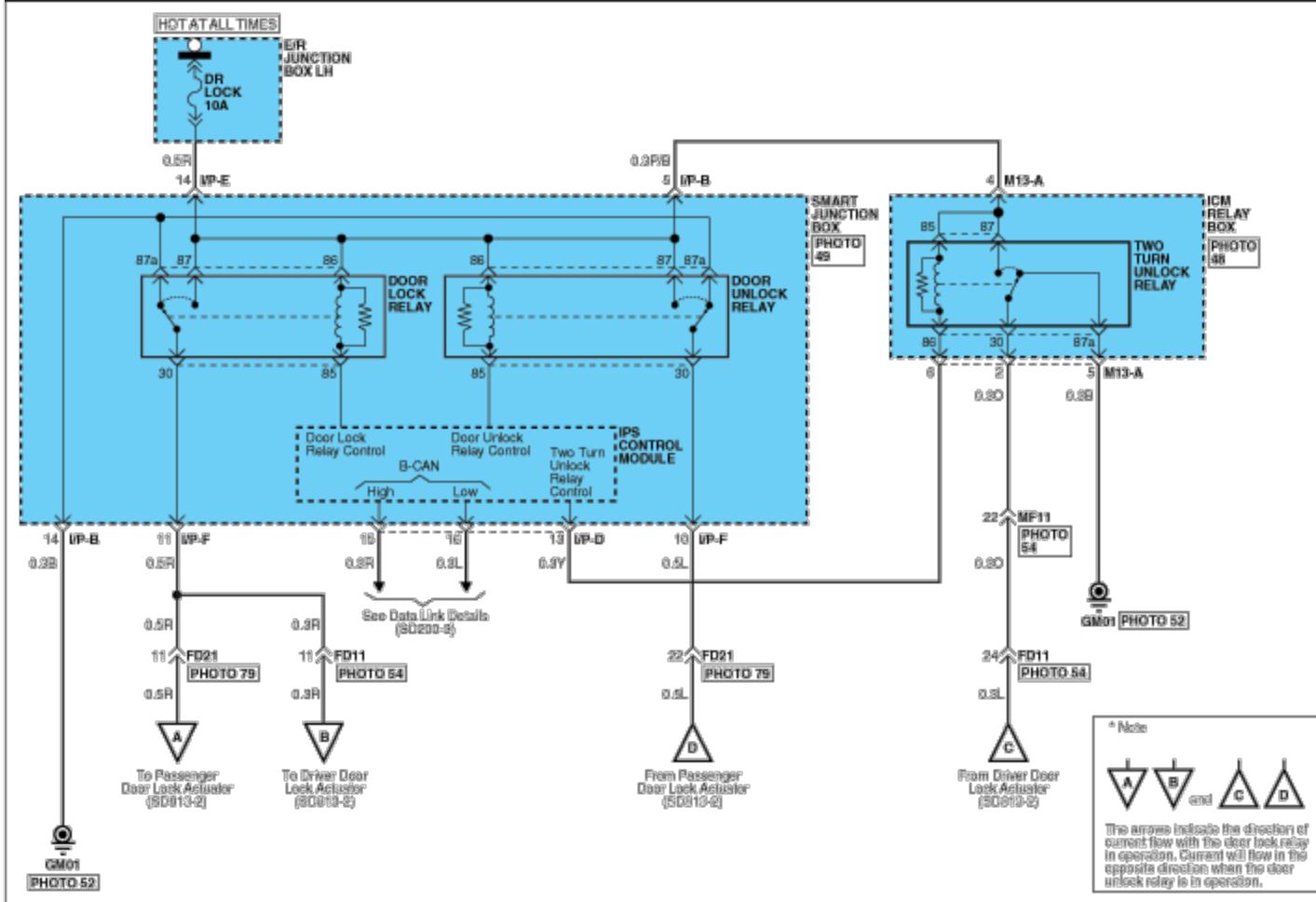
Schematic Diagrams



Power Door Locks

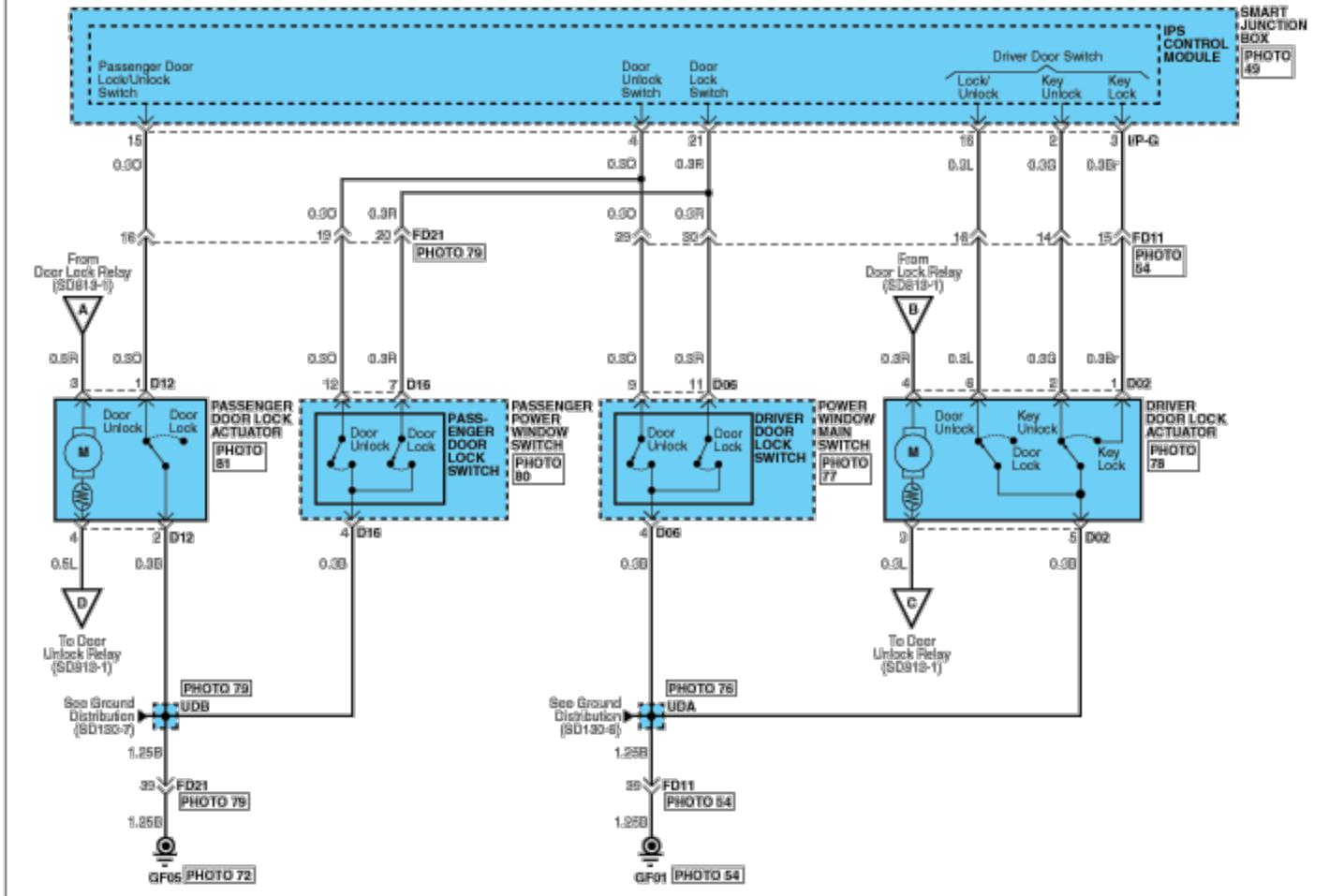
Power Door Locks (1)

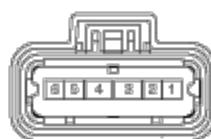
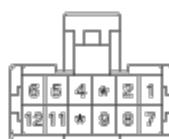
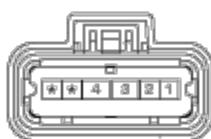
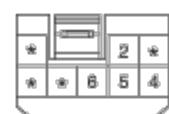
SD813-1



Power Door Locks (2)

SD813-2



Power Door Locks (3)				SD813-3
D02  FGI_MNWIP_06F_B	D06  RET_SP_12F_W	D12  FGI_MNWIP_06F_B	D16  RET_SP_12F_W	
M13-A  AMP_06P_06P_W	BLANK	BLANK	BLANK	

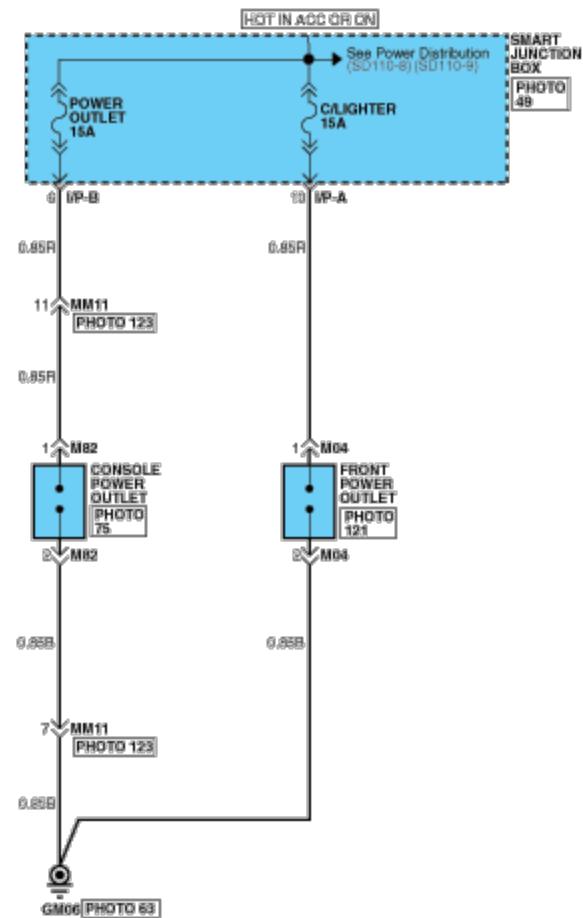
Schematic Diagrams

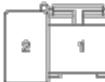
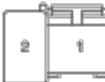


Power Outlet System

Power Outlet System (1)

SD945-1



Power Outlet System (2)		SD945-2	
M04	M82	BLANK	BLANK
		AMP_PLM2_00F_B	AMP_PLM2_00F_B

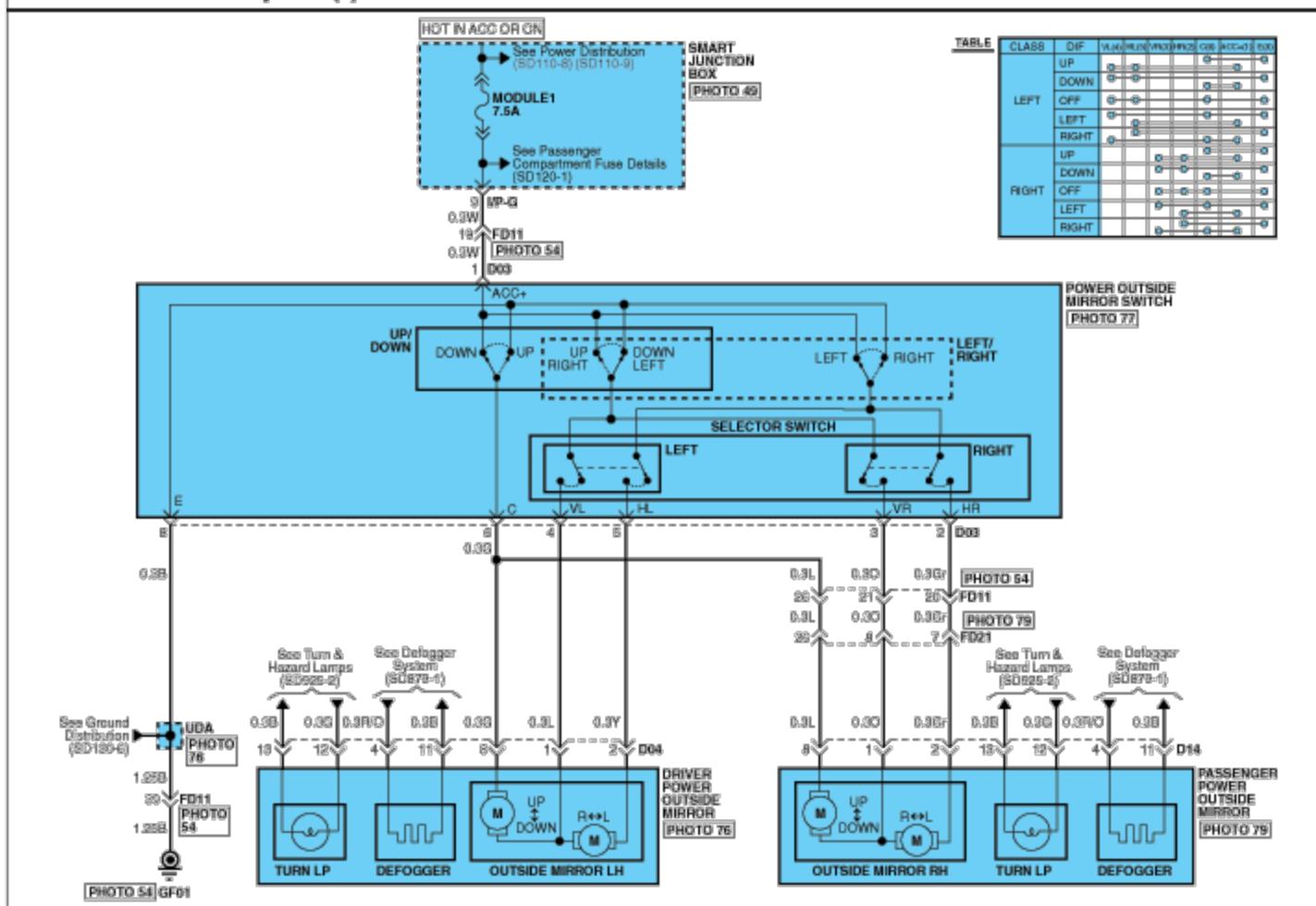
Schematic Diagrams

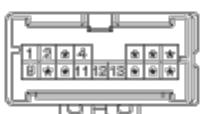
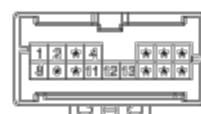


Power Outside Mirror System

Power Outside Mirror System (1)

SD876-1

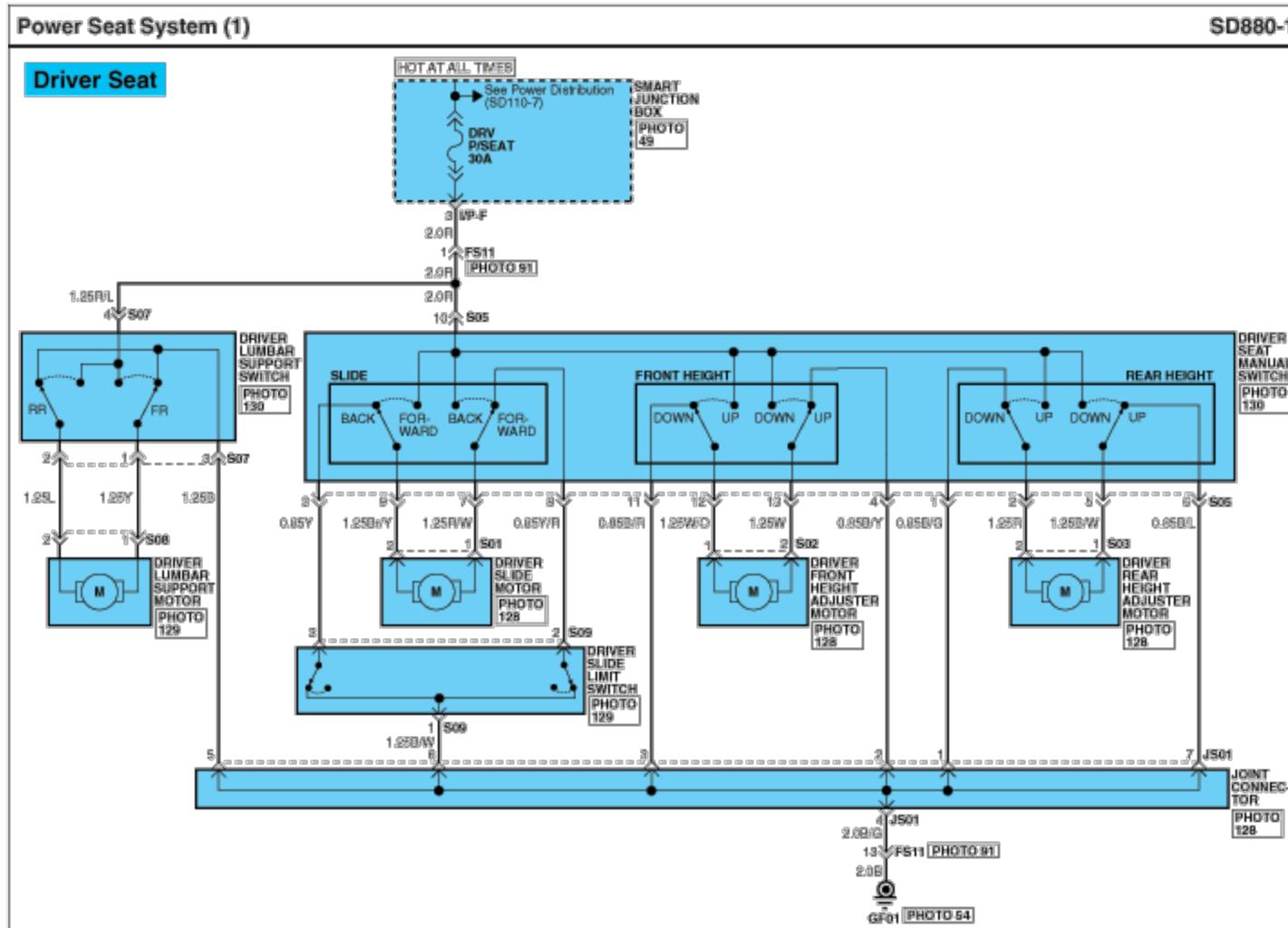


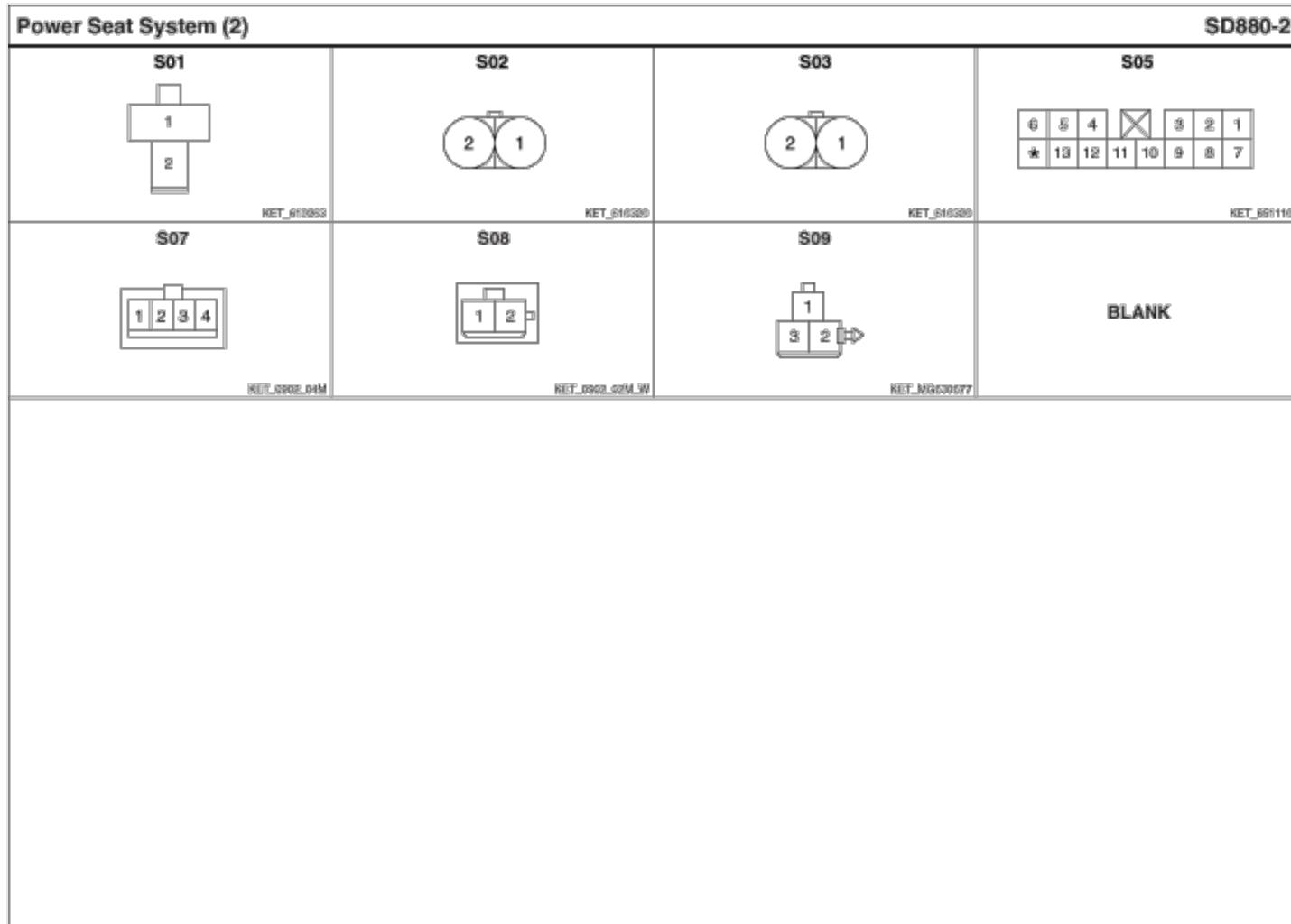
Power Outside Mirror System (2)			SD876-2
D03  AMP_0467_12P_W_070	D04  AMP_0468_16M_W	D14  AMP_0468_16M_W	BLANK

Schematic Diagrams



Power Seat System

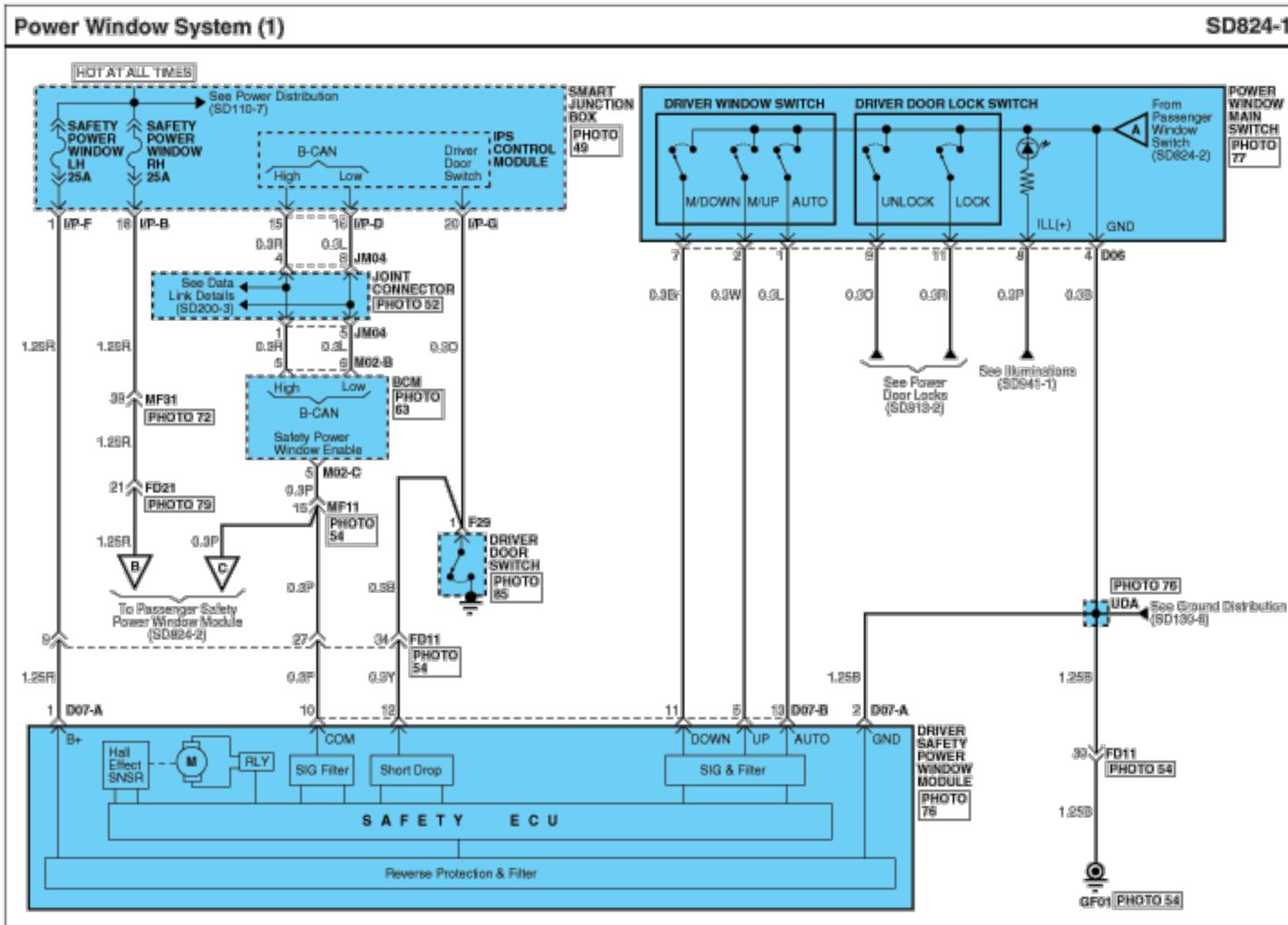


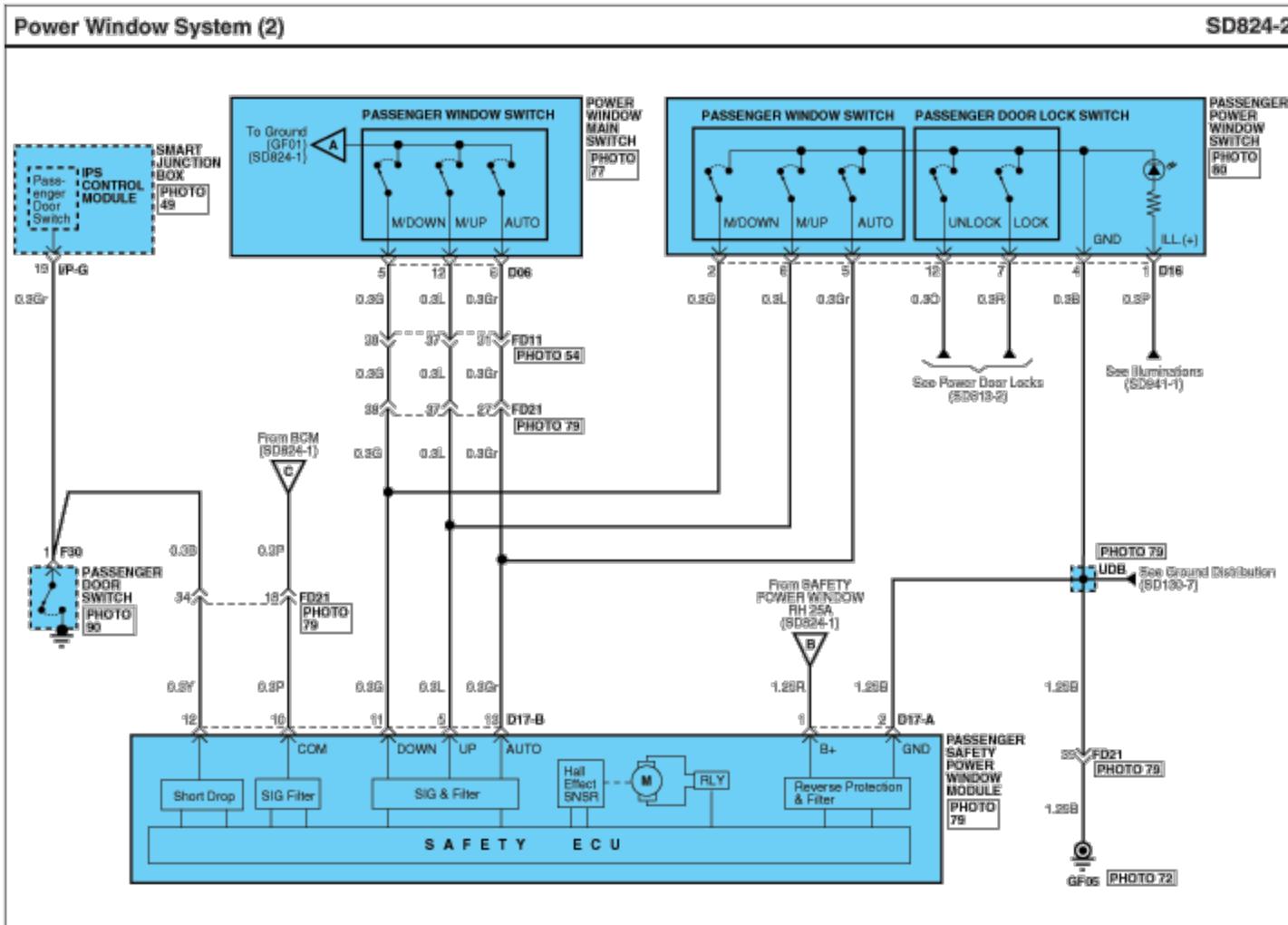


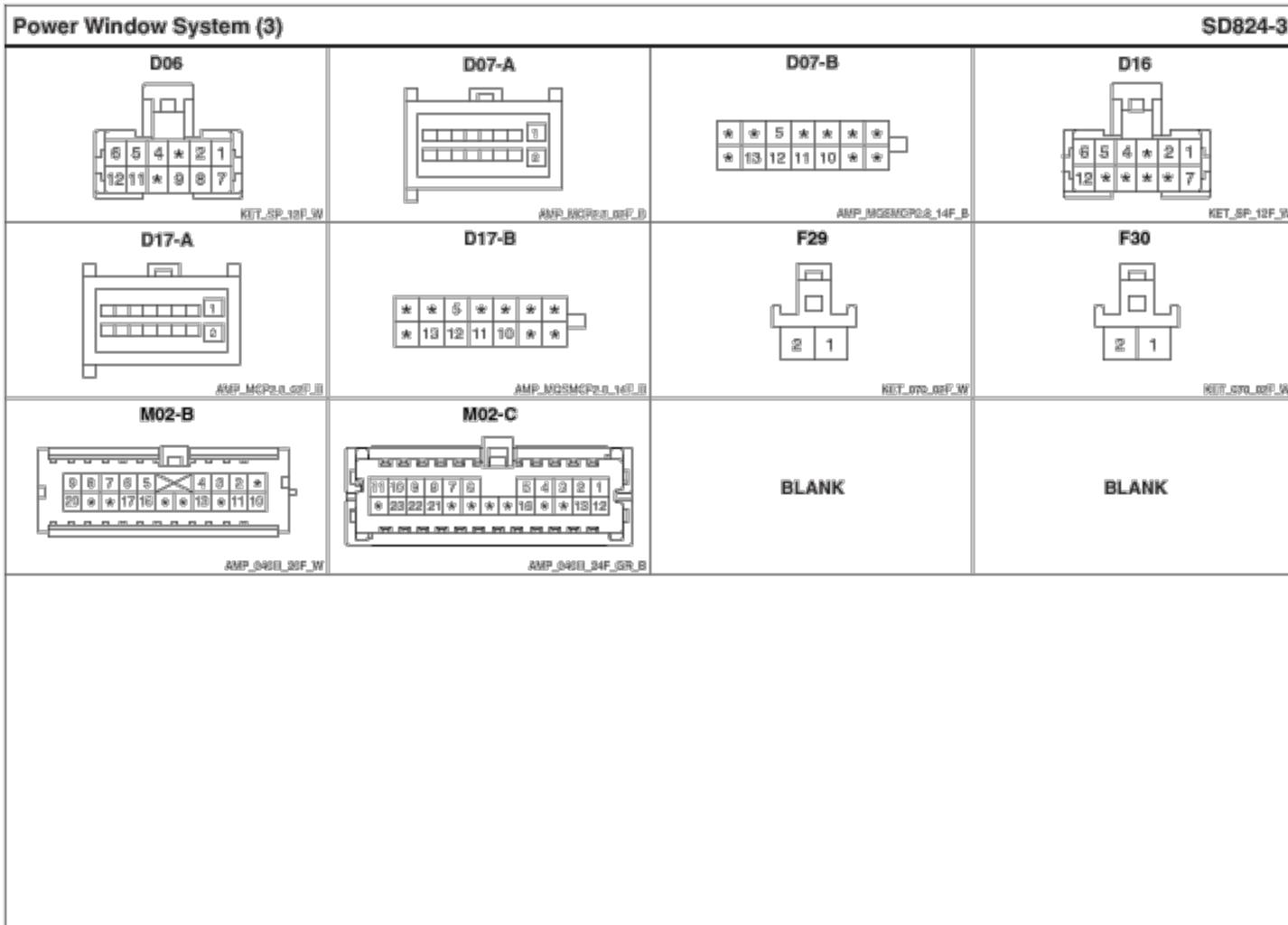
Schematic Diagrams



Power Window System



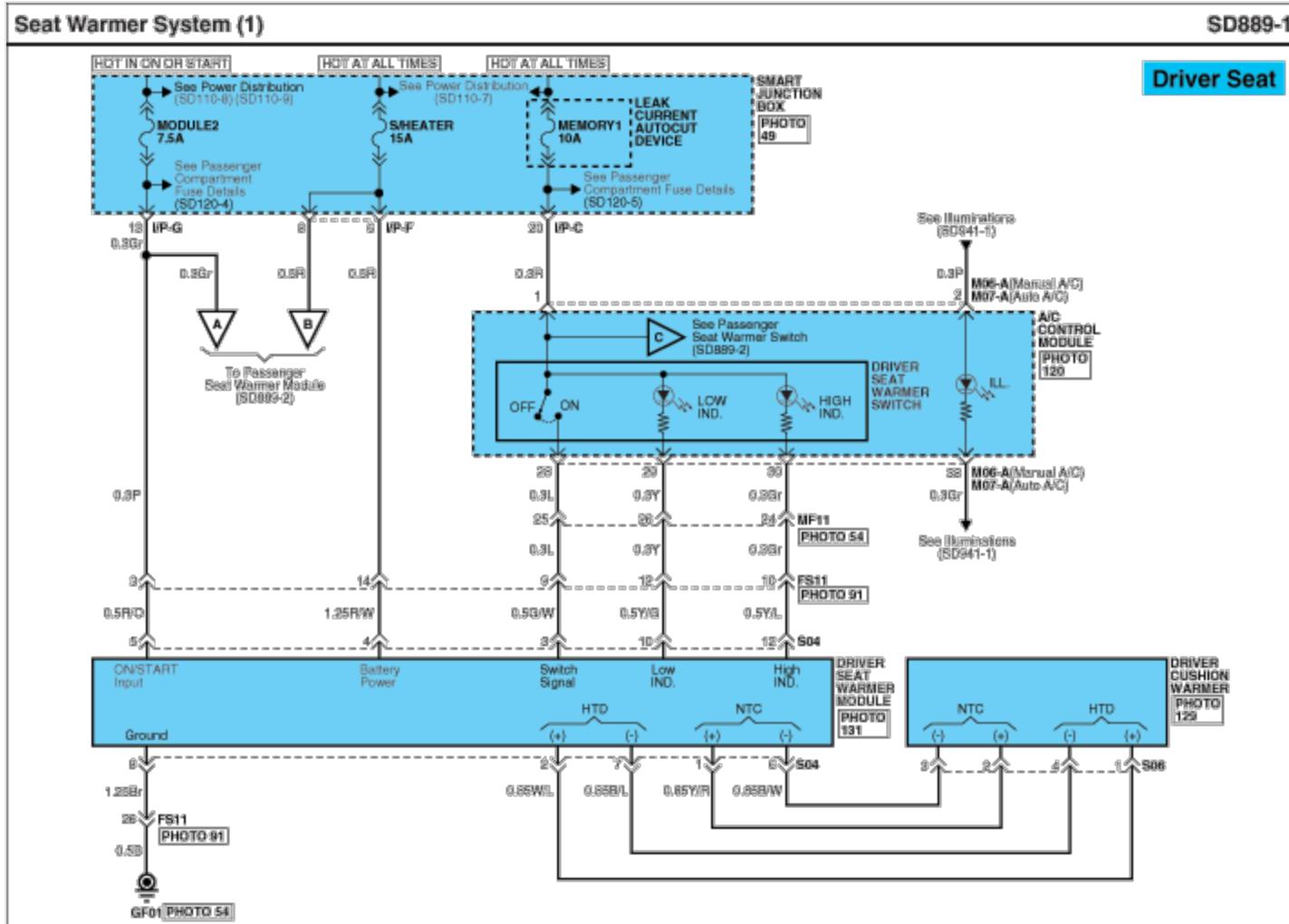




Schematic Diagrams



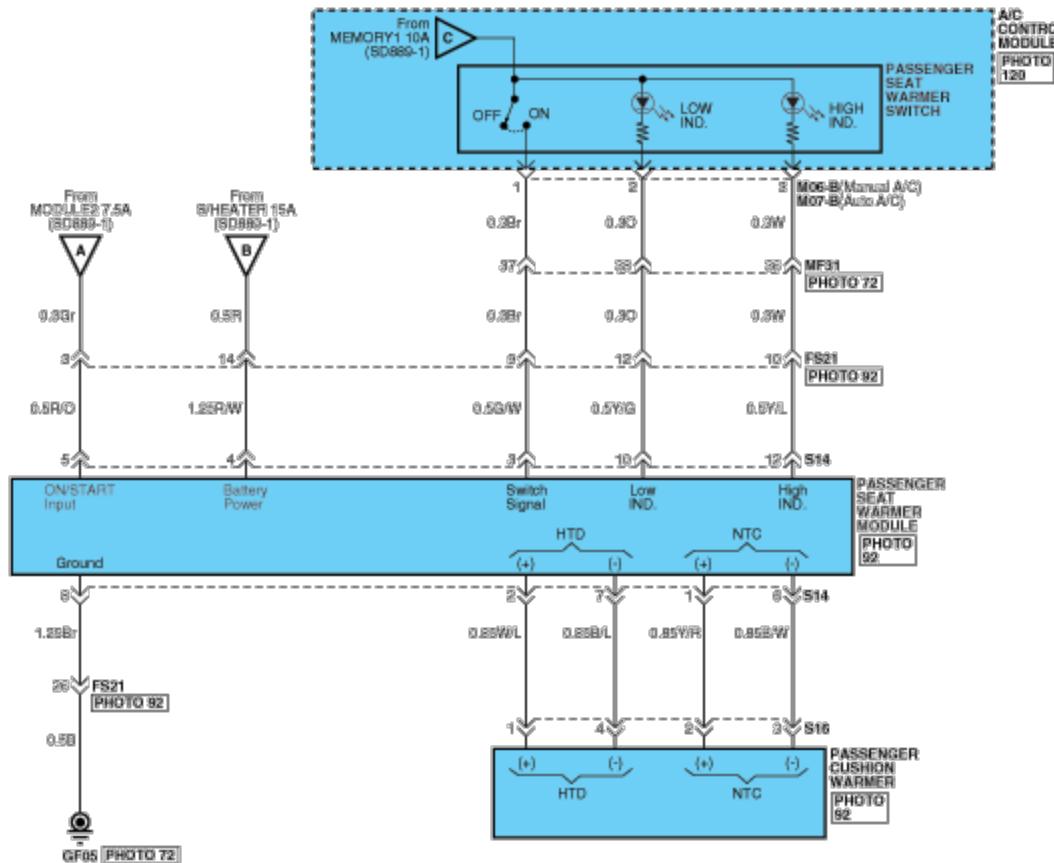
Seat Warmer System

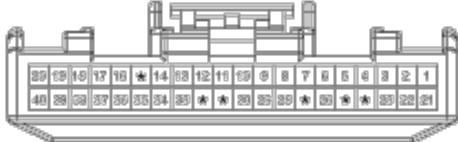
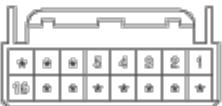
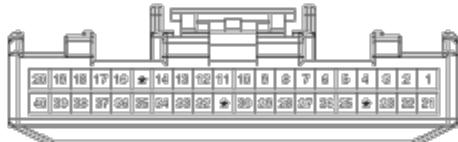
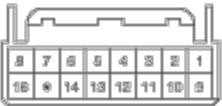


Seat Warmer System (2)

SD889-2

Passenger Seat

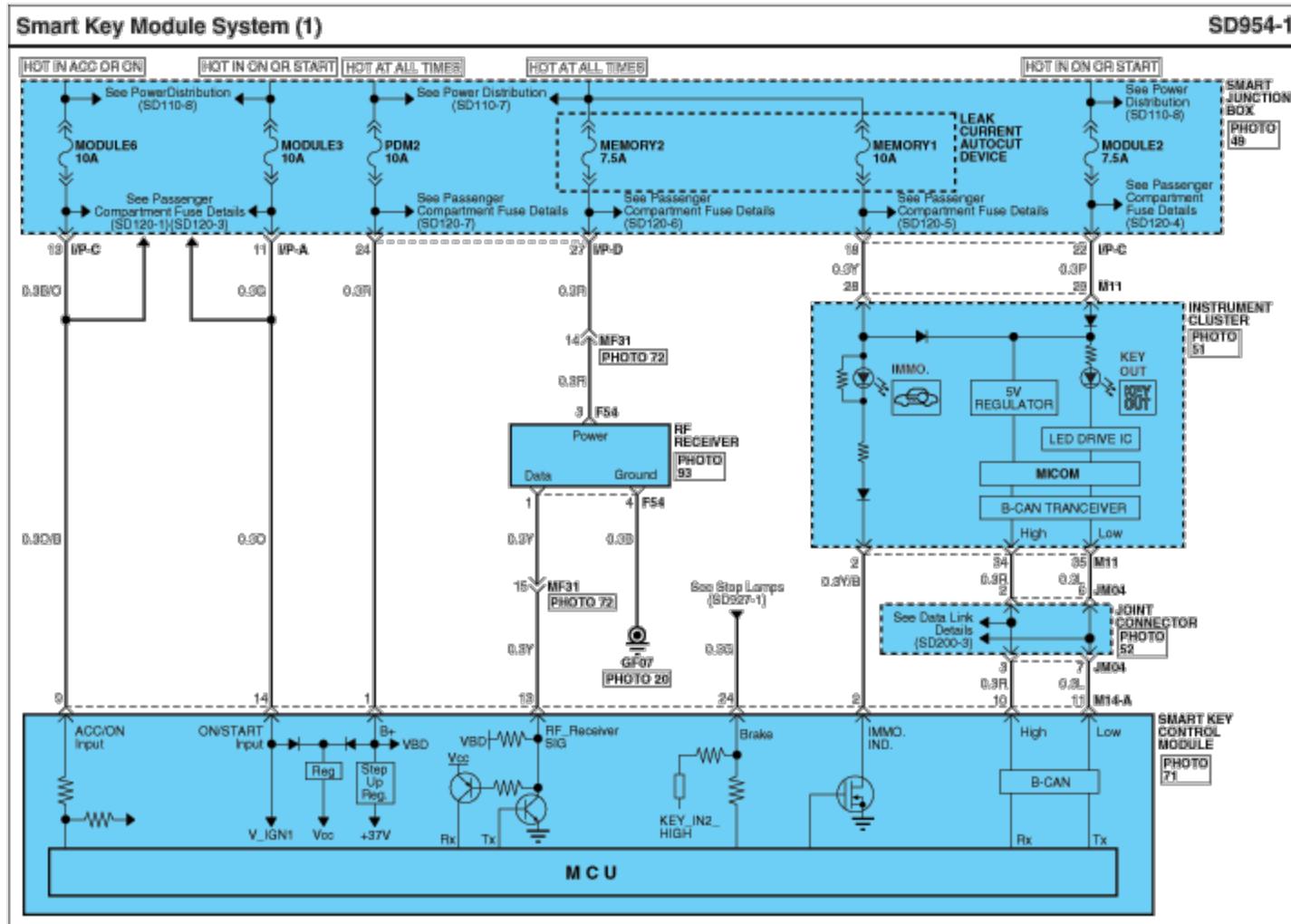


Seat Warmer System (3)		SD889-3					
M06-A 	KET_025_40F_W	M06-B 	AMP_025_16F_W	BLANK			
M07-A 	KET_025_40F_W	M07-B 	AMP_025_16F_W	S04 	KET_0902_12F_W		
S06 	KET_0902_04M	S14 	KET_0902_12F_W	S16 	KET_0902_04M	BLANK	

Schematic Diagrams

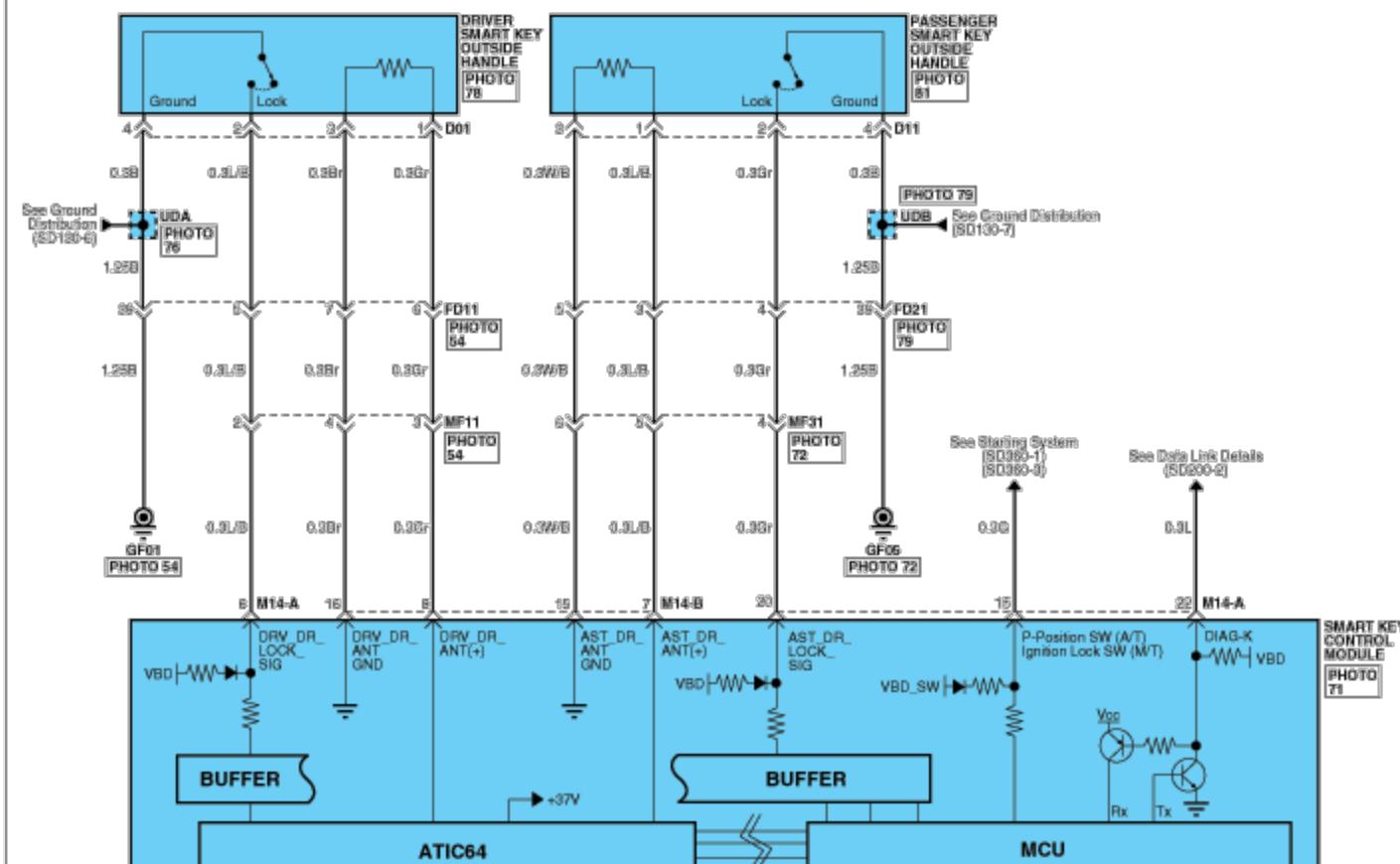


Smart Key Module System



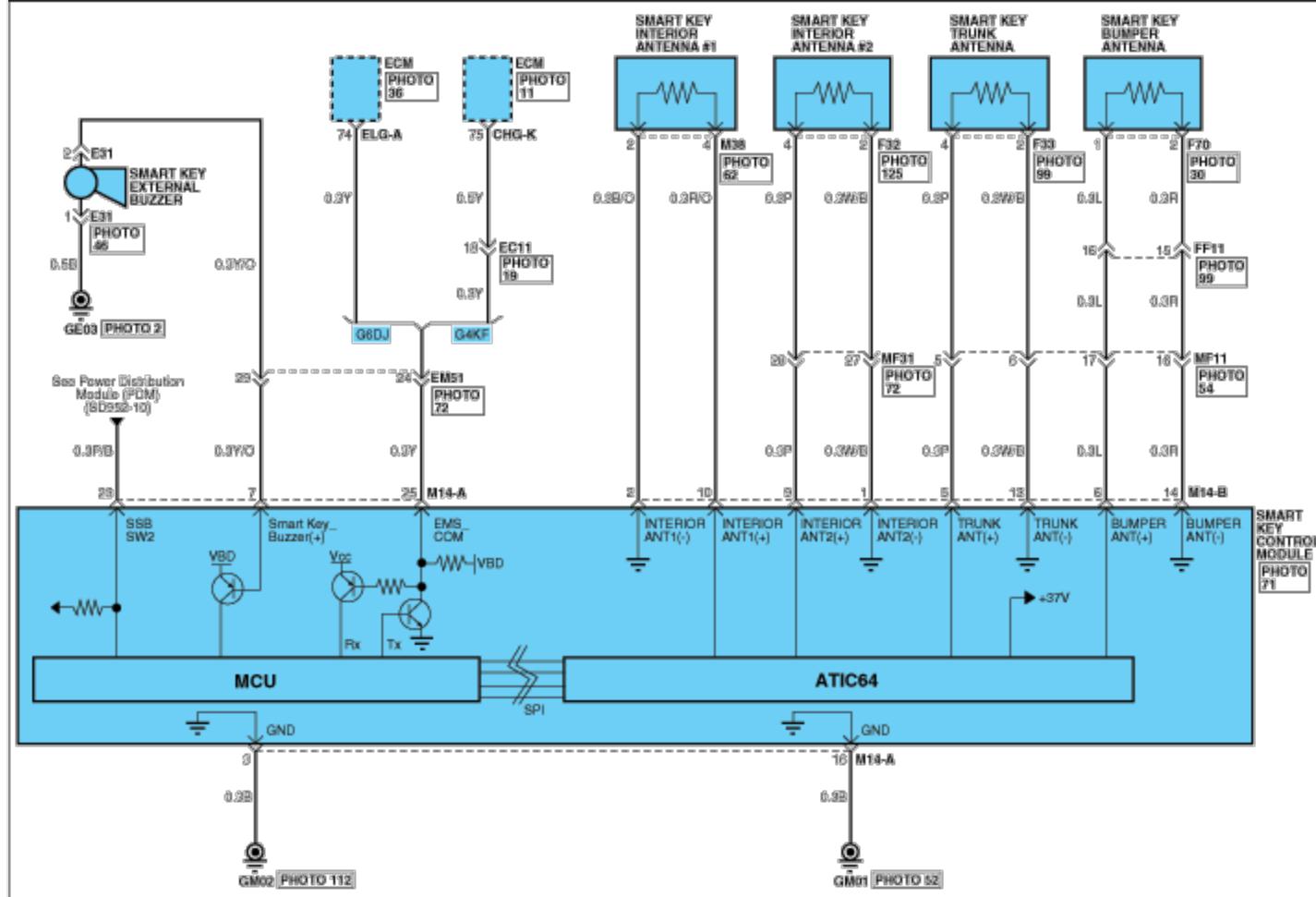
Smart Key Module System (2)

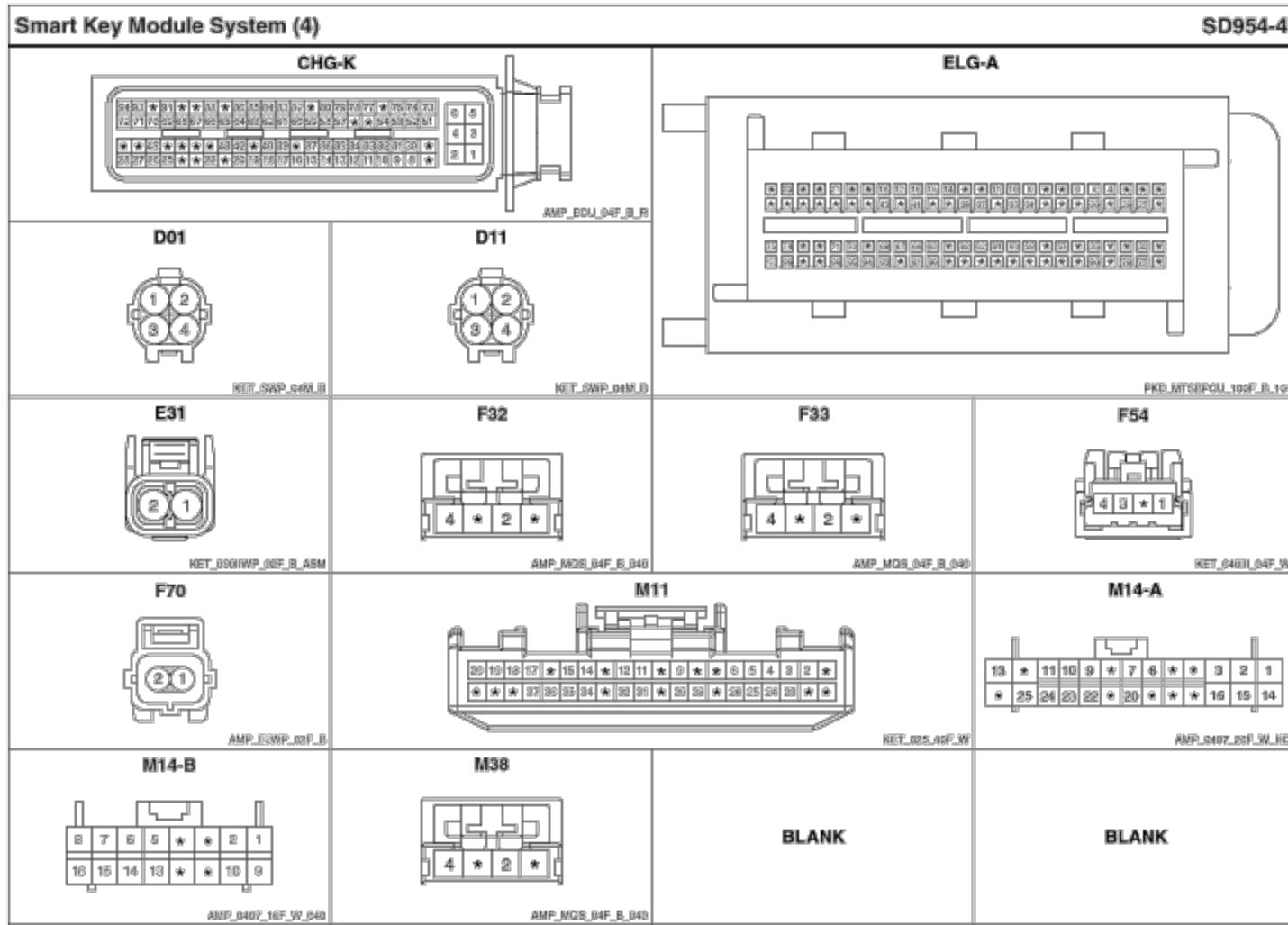
SD954-2



Smart Key Module System (3)

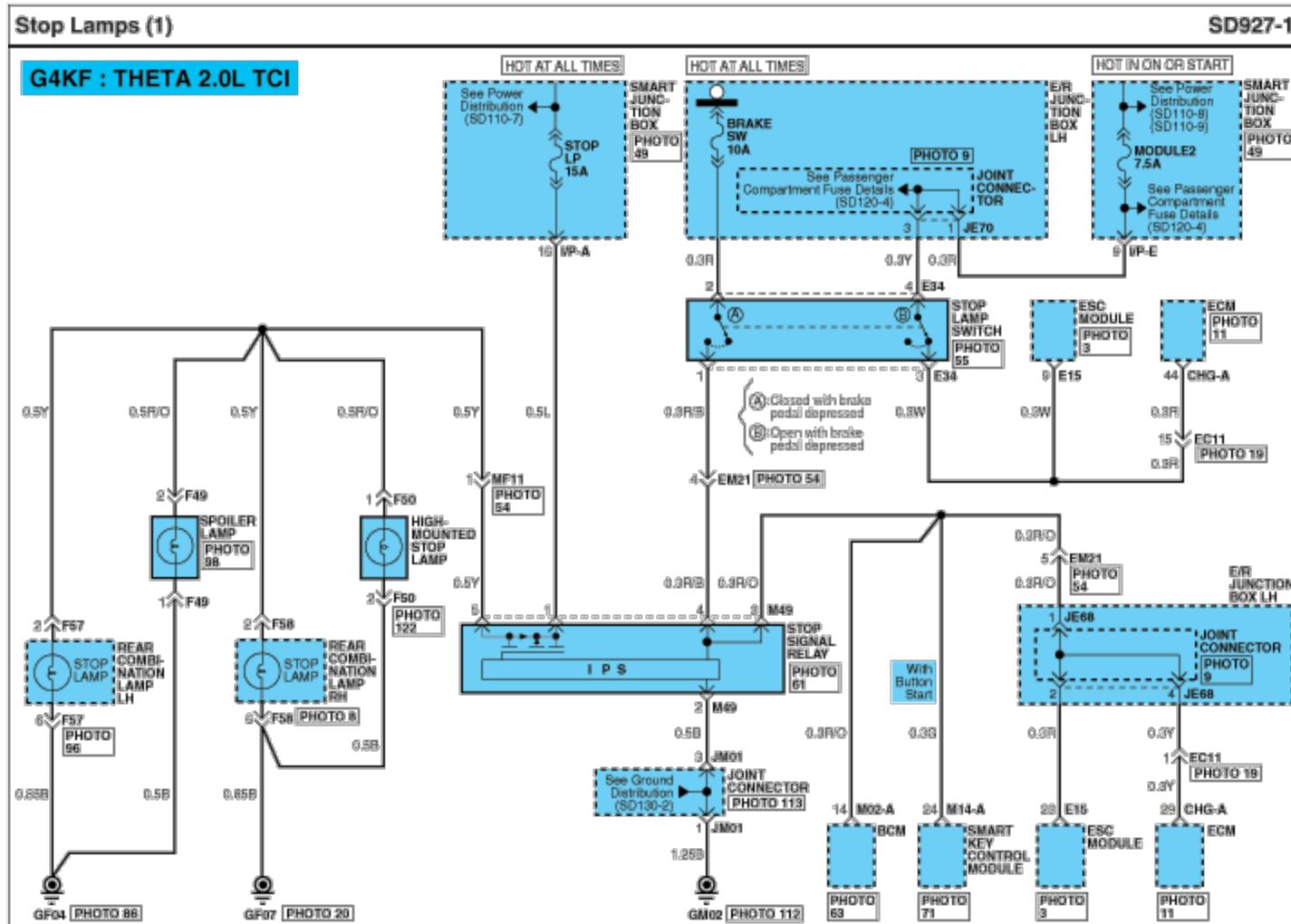
SD954-3





Schematic Diagrams 

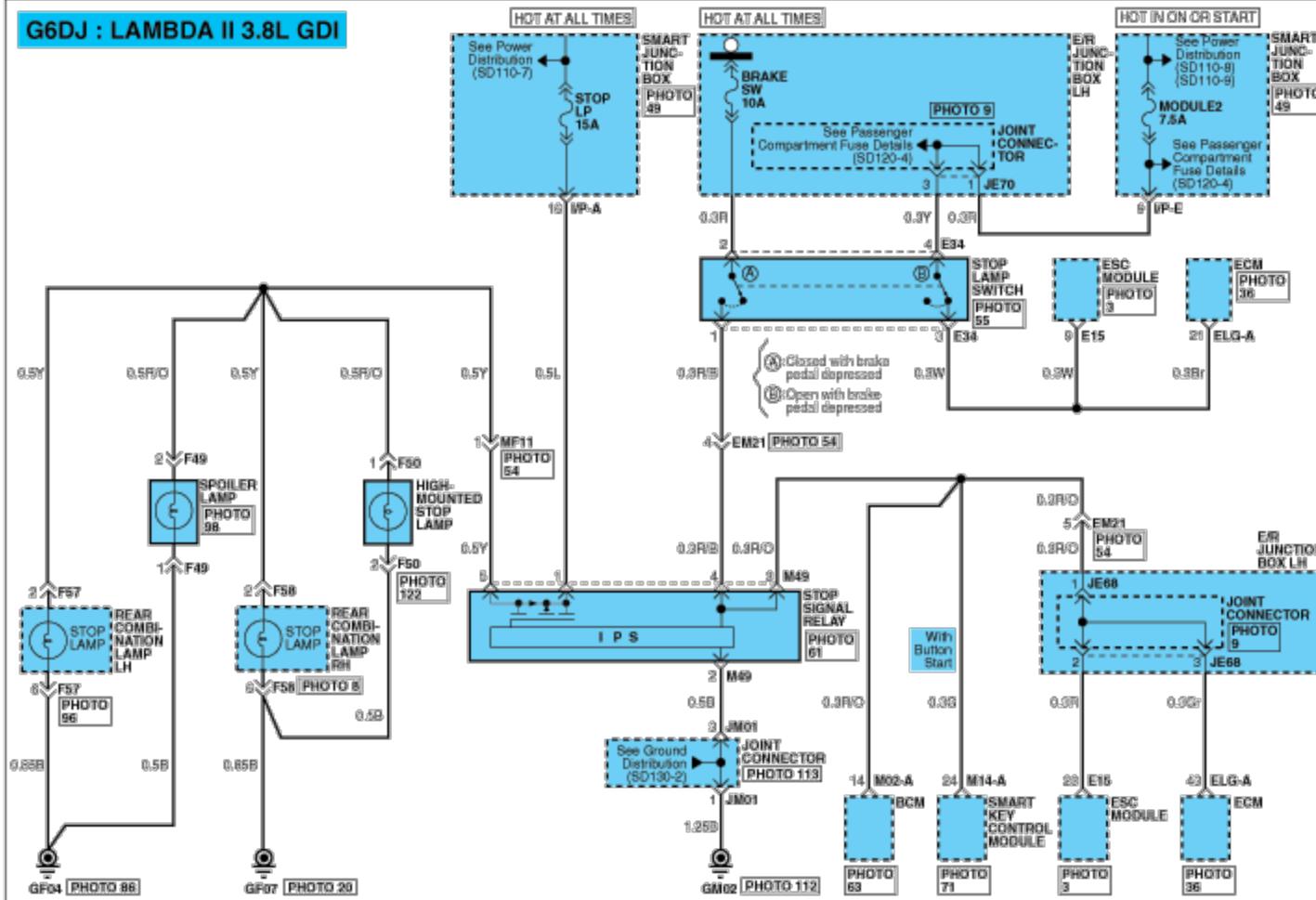
Stop Lamps

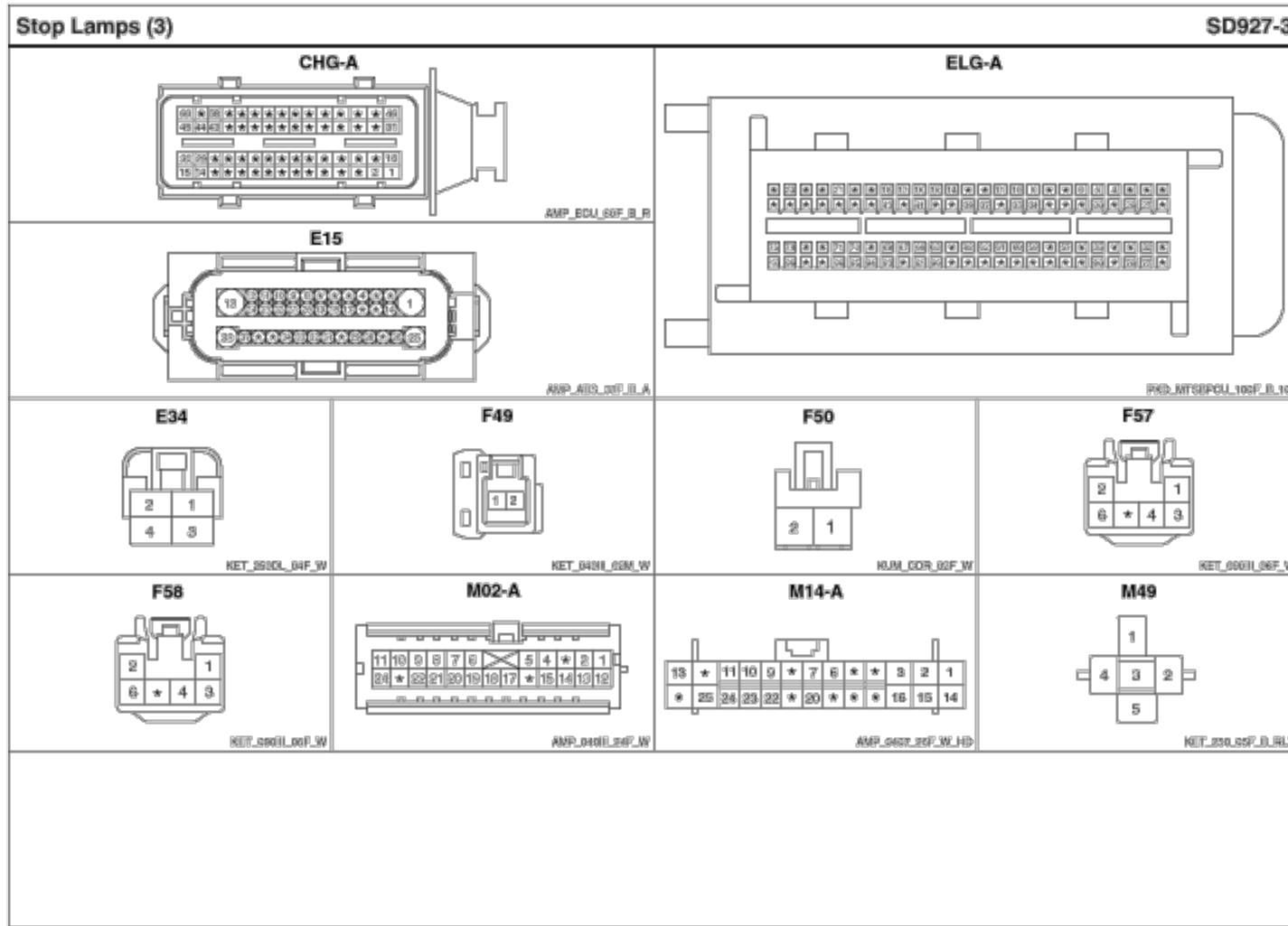


Stop Lamps (2)

SD927-2

G6DJ : LAMBDA II 3.8L GDI





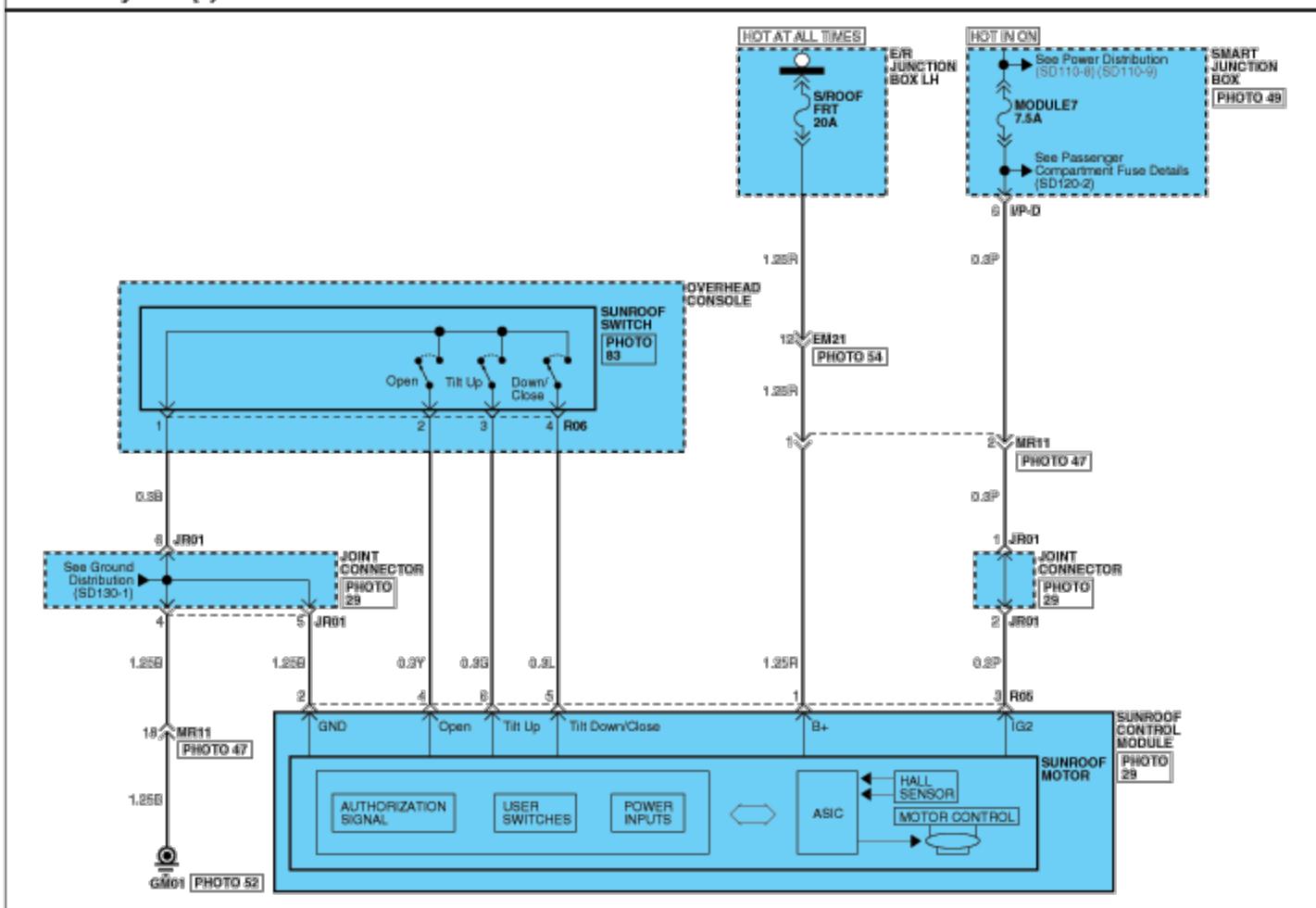
Schematic Diagrams

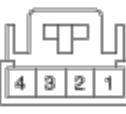


Sunroof System

Sunroof System (1)

SD816-1



Sunroof System (2)		SD816-2	
R05  KET_089H_BEF_W	R06  AMP_070_BAF_W	BLANK	BLANK

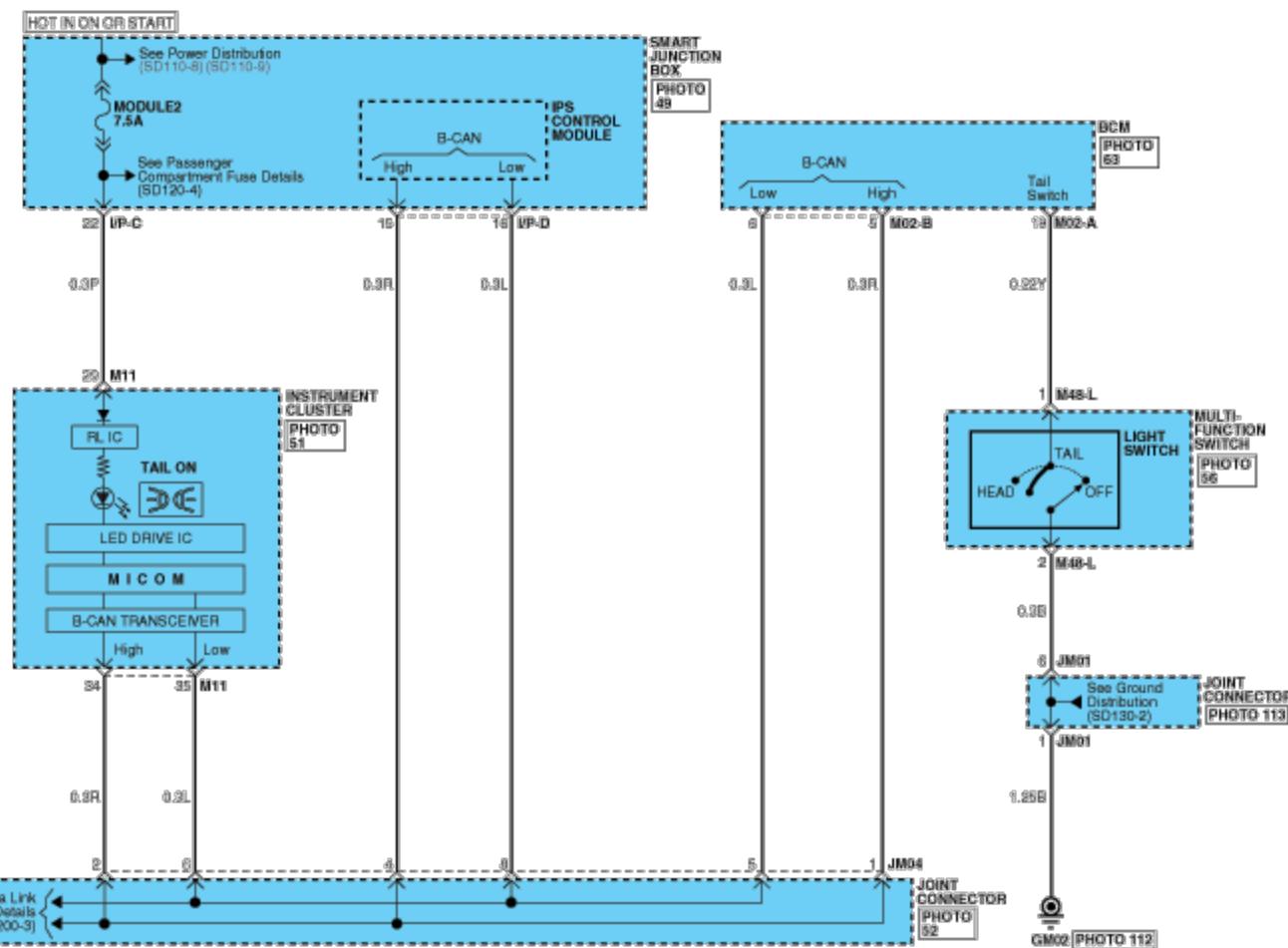
Schematic Diagrams



Tail, Parking & License Lamps

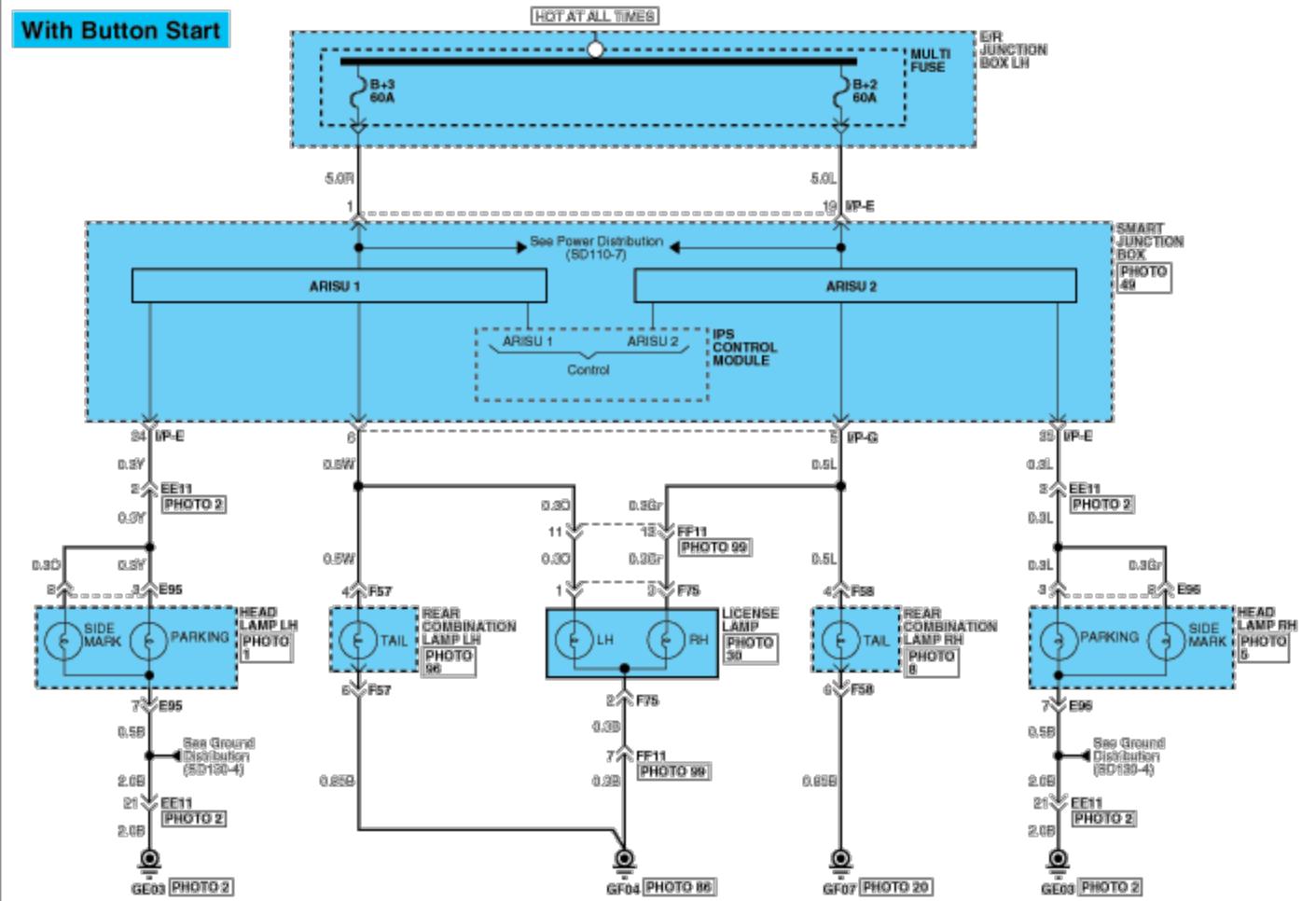
Tail, Parking & License Lamps (1)

SD928-1



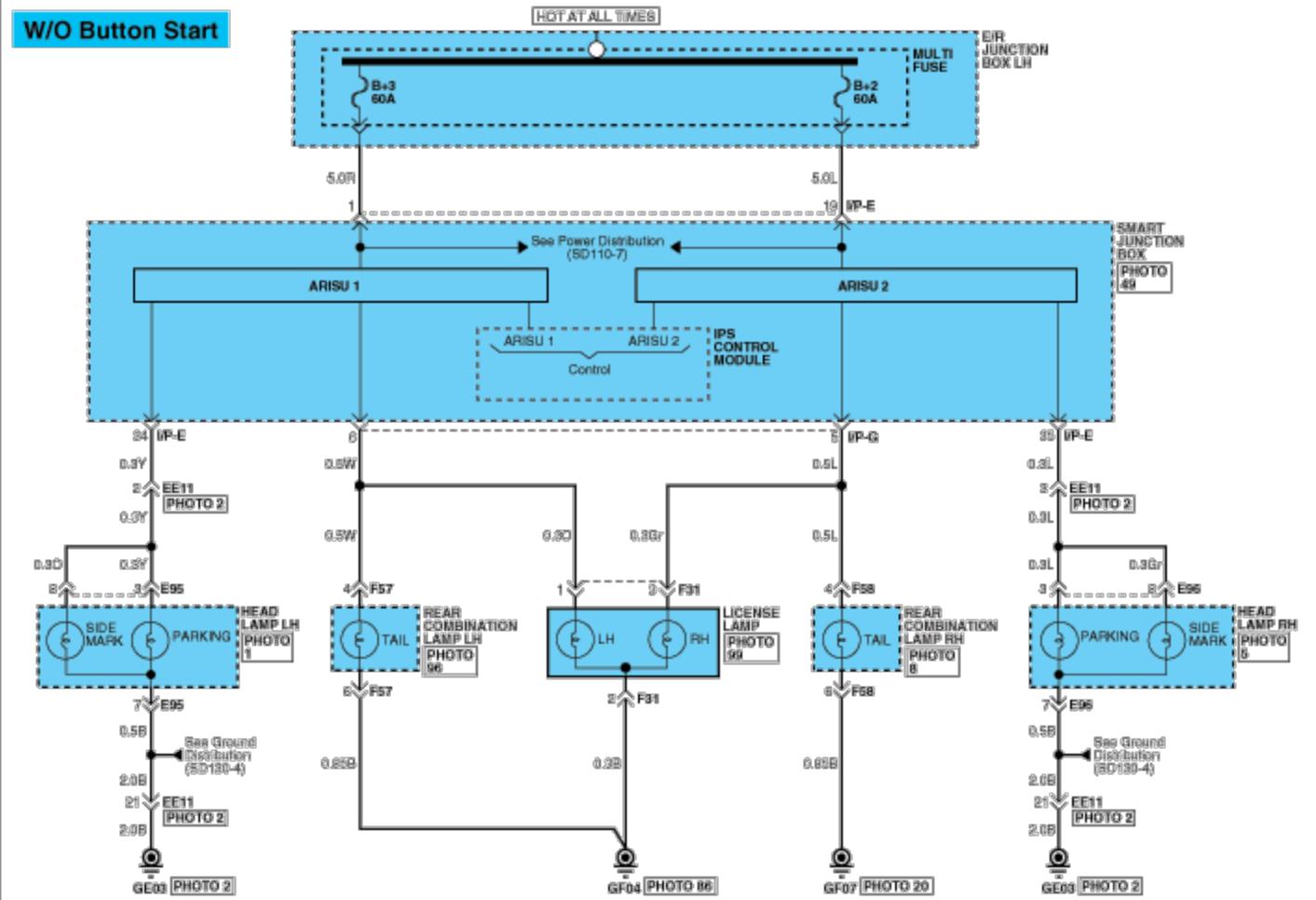
Tail, Parking & License Lamps (2)

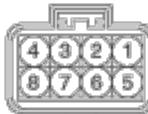
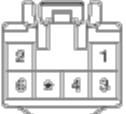
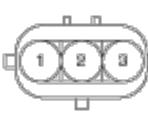
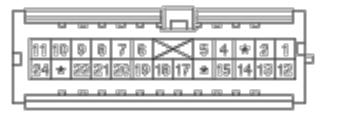
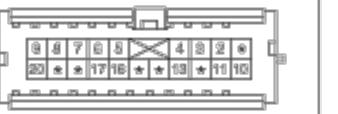
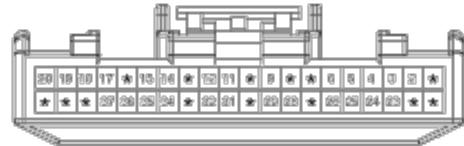
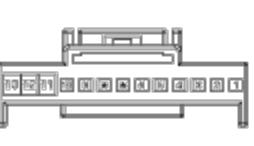
SD928-2



Tail, Parking & License Lamps (3)

SD928-3



Tail, Parking & License Lamps (4)				SD928-4
E95 	E96 	F31 	F57 	KLM_NMMF_08F_B
F58 	F75 	M02-A 	M02-B 	KET_000H_08F_W
M11 	M48-L 	BLANK		KET_088_16F_W

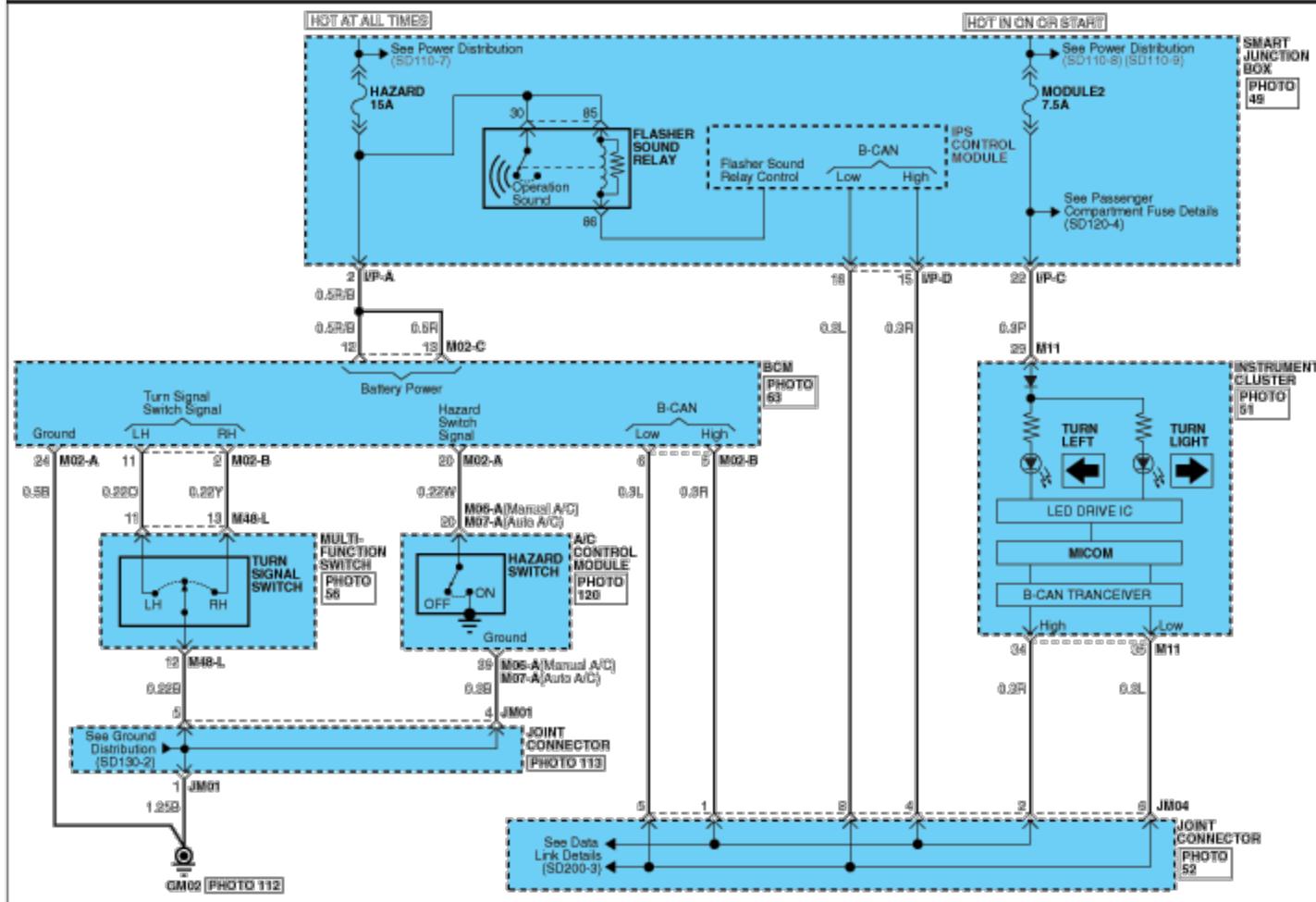
Schematic Diagrams



Turn & Hazard Lamps

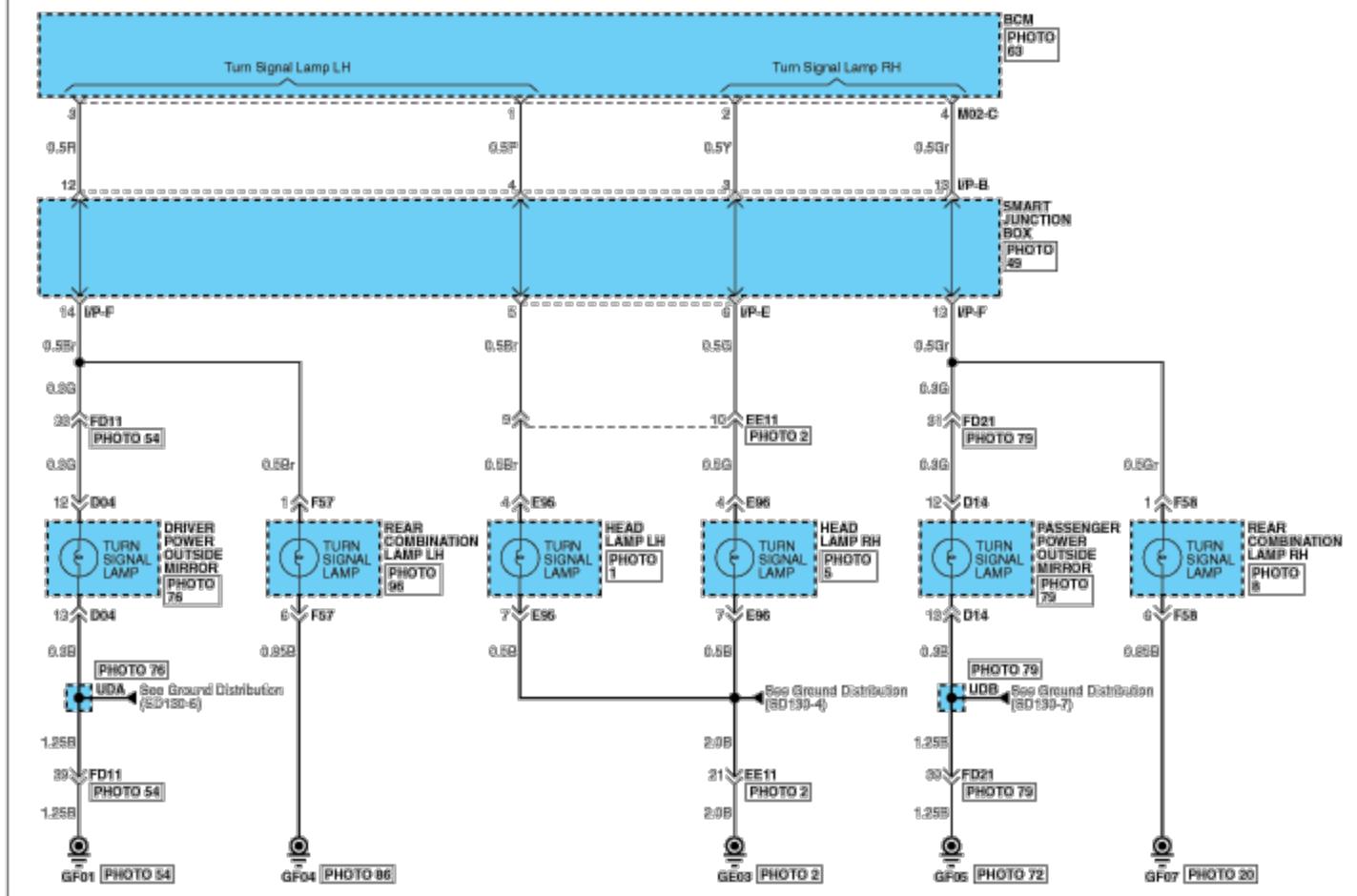
Turn & Hazard Lamps (1)

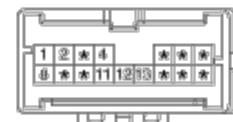
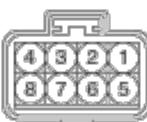
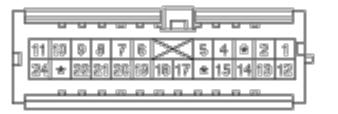
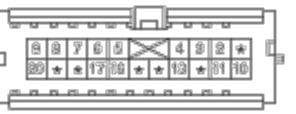
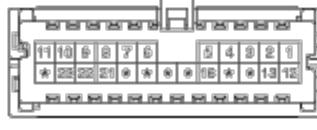
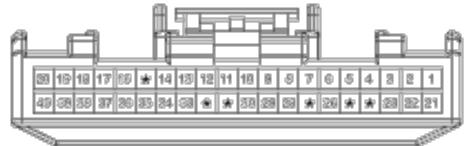
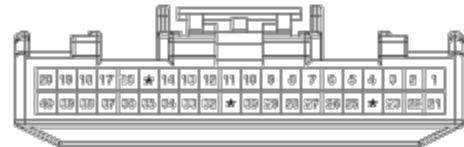
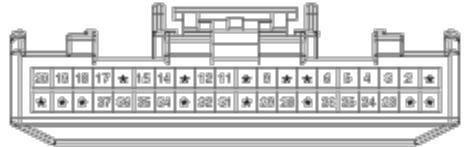
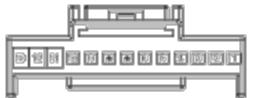
SD925-1



Turn & Hazard Lamps (2)

SD925-2



Turn & Hazard Lamps (3)				SD925-3
D04	D14	E95	E96	
				
AMP_0403L_16M_W	AMP_0403L_16M_W	KLM_NMMWP_08F_B	KLM_NMMWP_08F_B	
F57	F58	M02-A	M02-B	
				
KET_0001_08F_W	KET_0001_08F_W	AMP_0403L_24F_W	AMP_0403L_24F_W	
M02-C	M06-A	BLANK		
		BLANK		
AMP_0403L_24F_BPF_B	KET_005_40F_W			
M07-A	M11			
				
KET_025_40F_W	KET_025_40F_W			
M48-L	BLANK	BLANK	BLANK	
	BLANK	BLANK	BLANK	
KET_0409_16F_W				

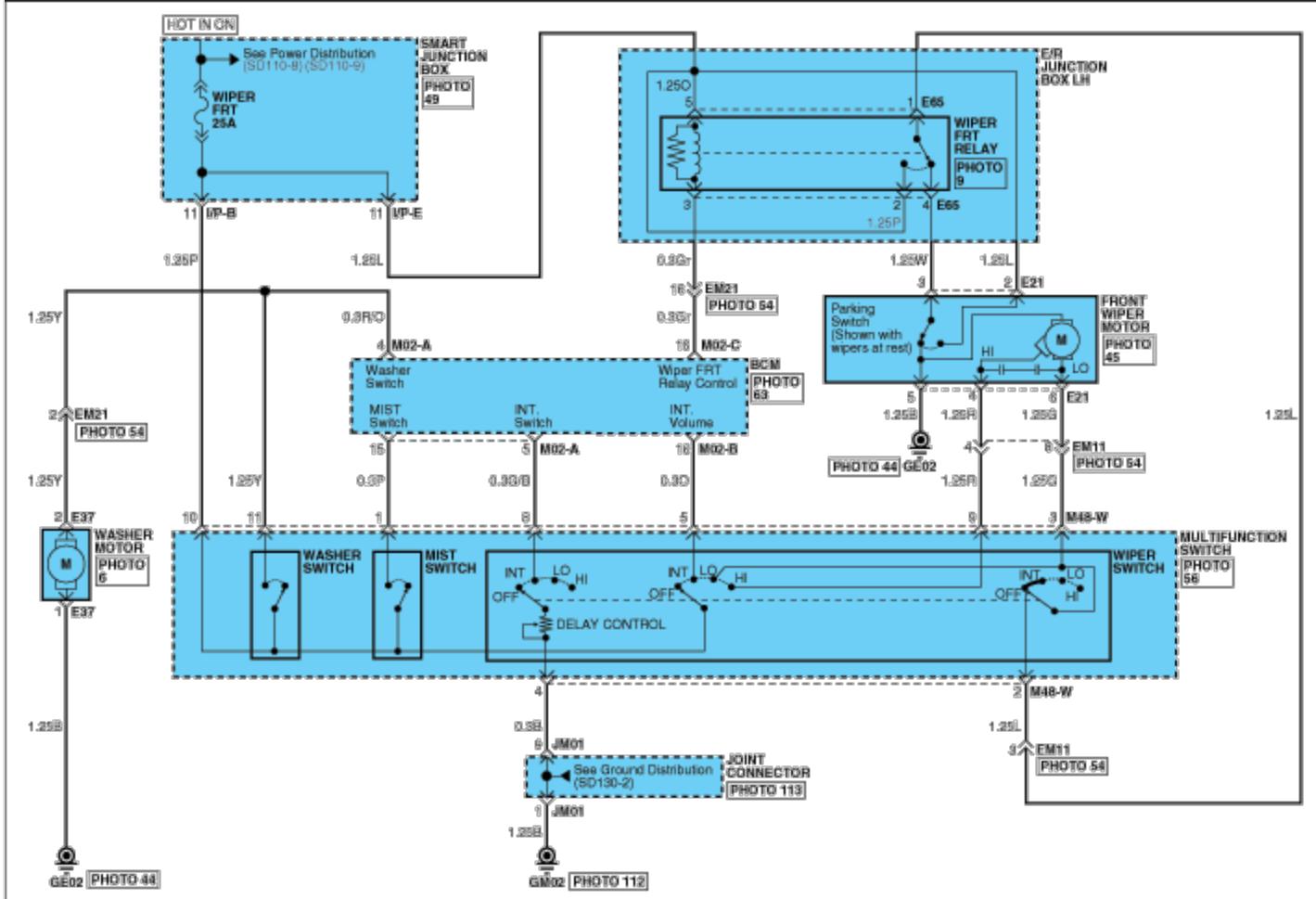
Schematic Diagrams

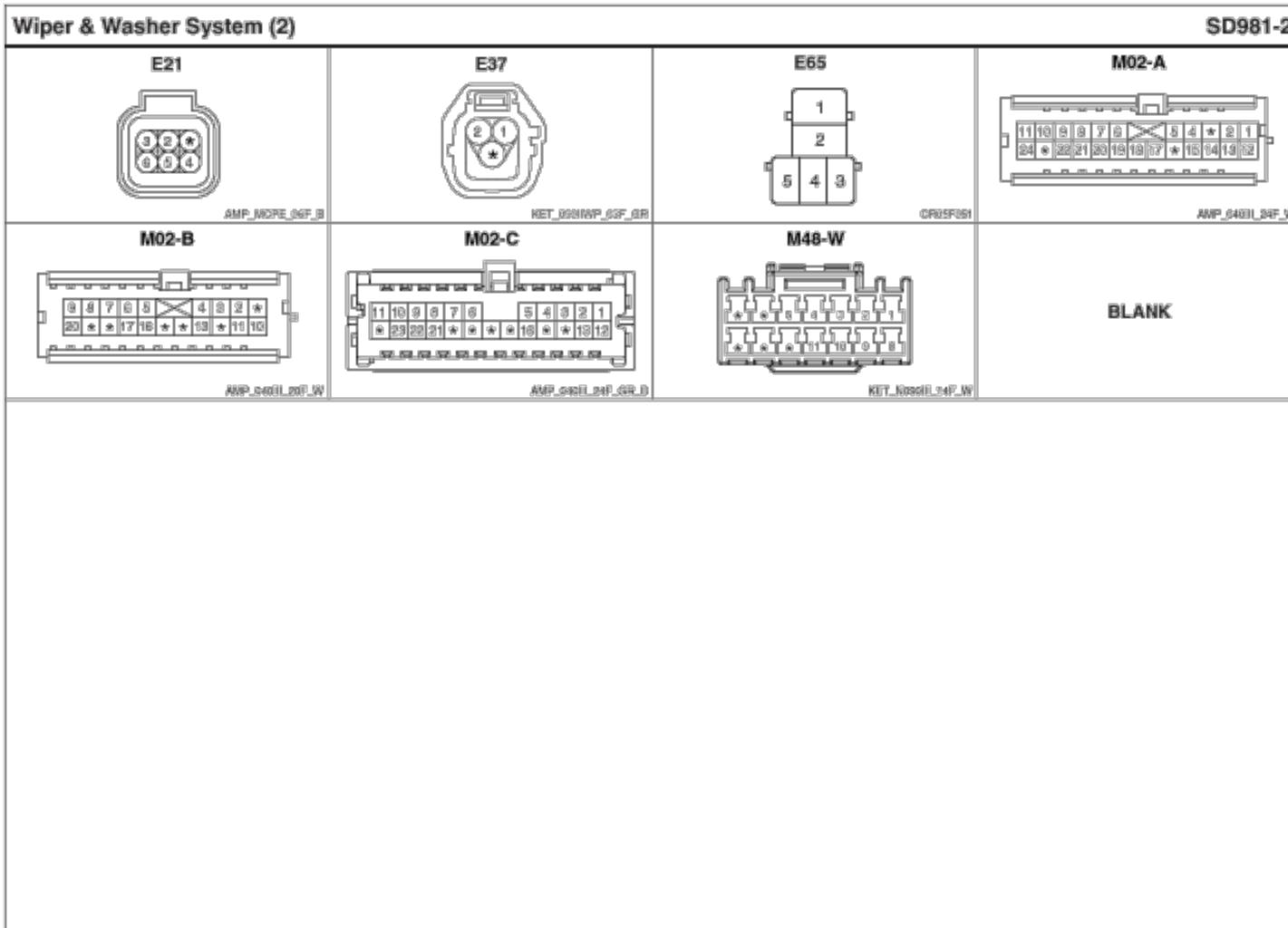


Wiper & Washer System

Wiper & Washer System (1)

SD981-1





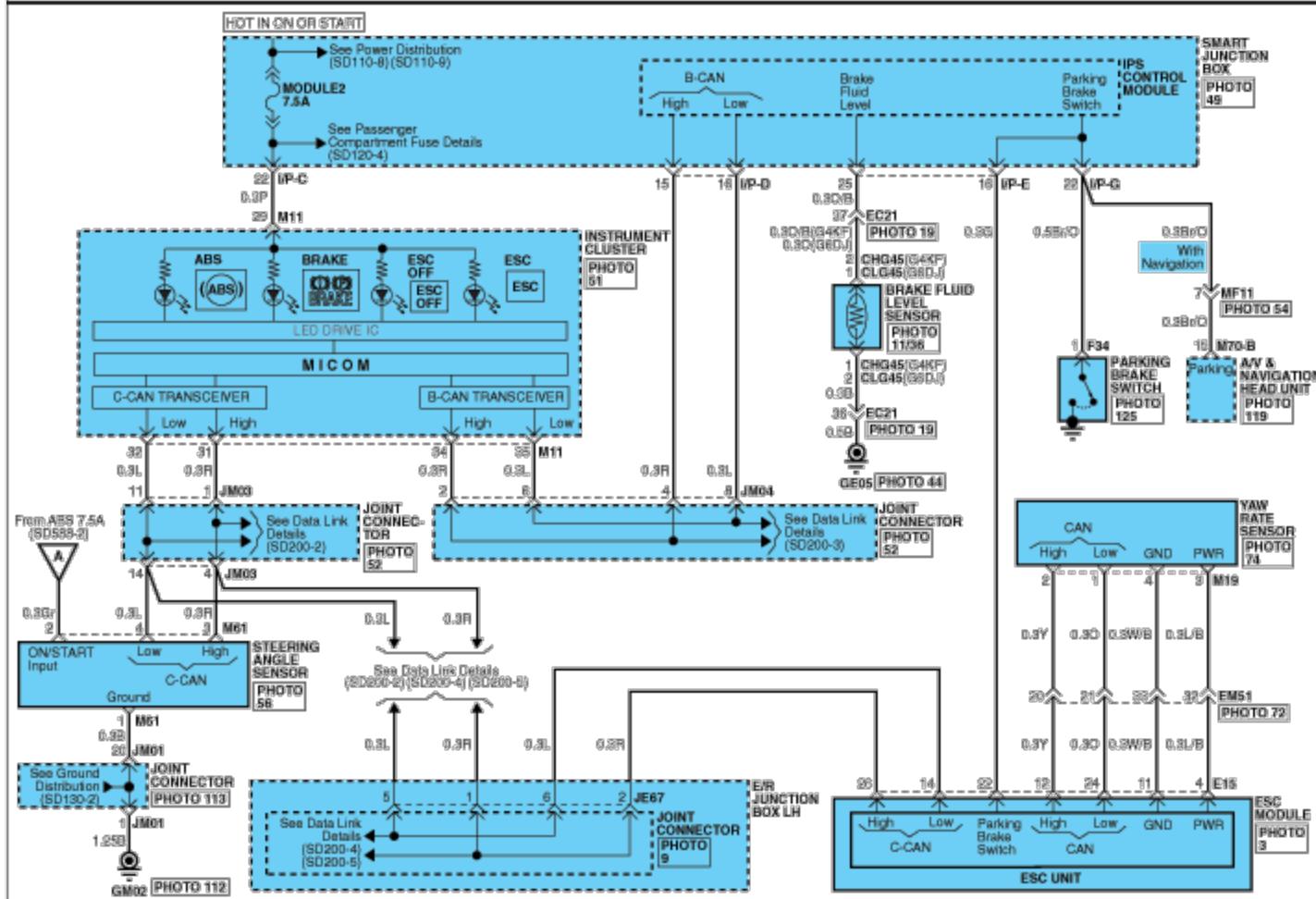
Schematic Diagrams

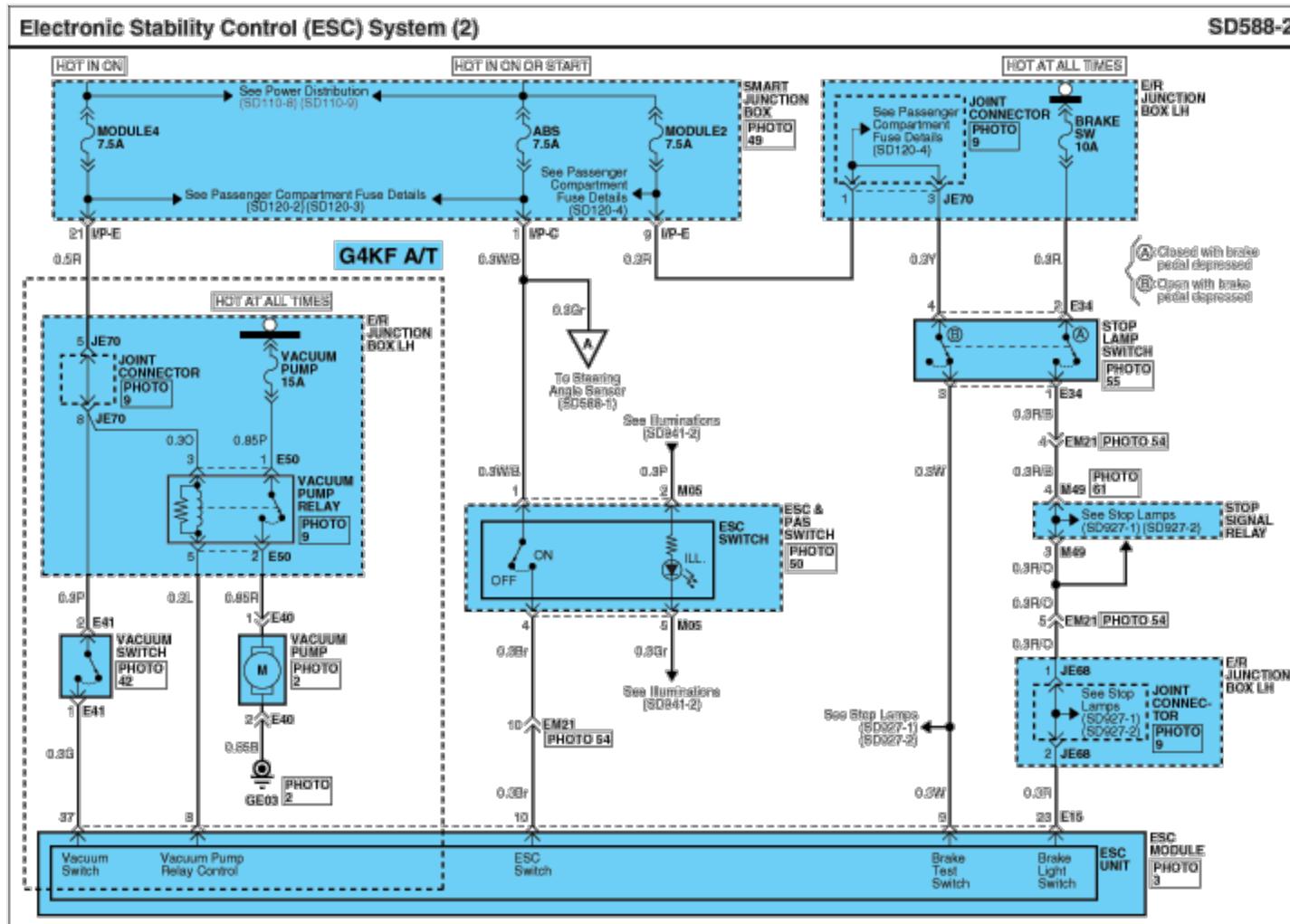


Electronic Stability Control (ESC) System

Electronic Stability Control (ESC) System (1)

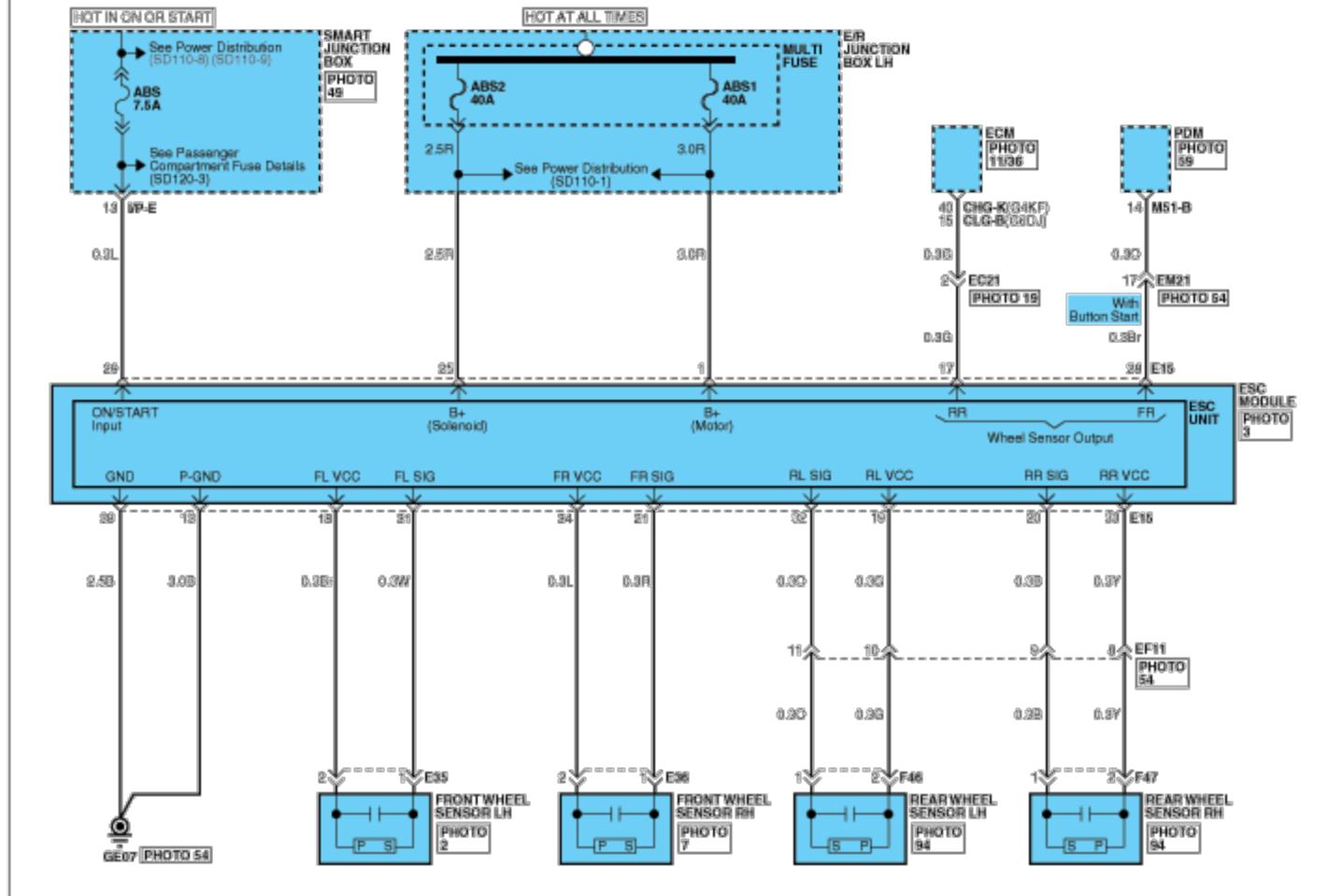
SD588-1

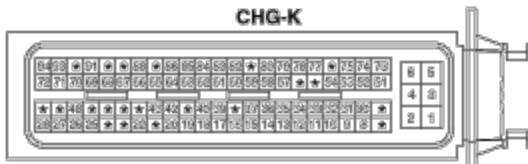
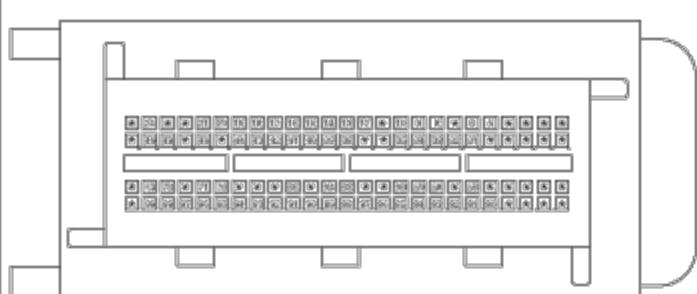
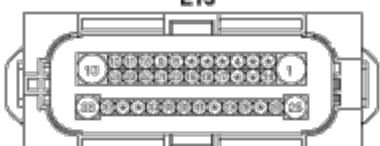
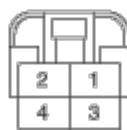
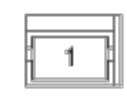


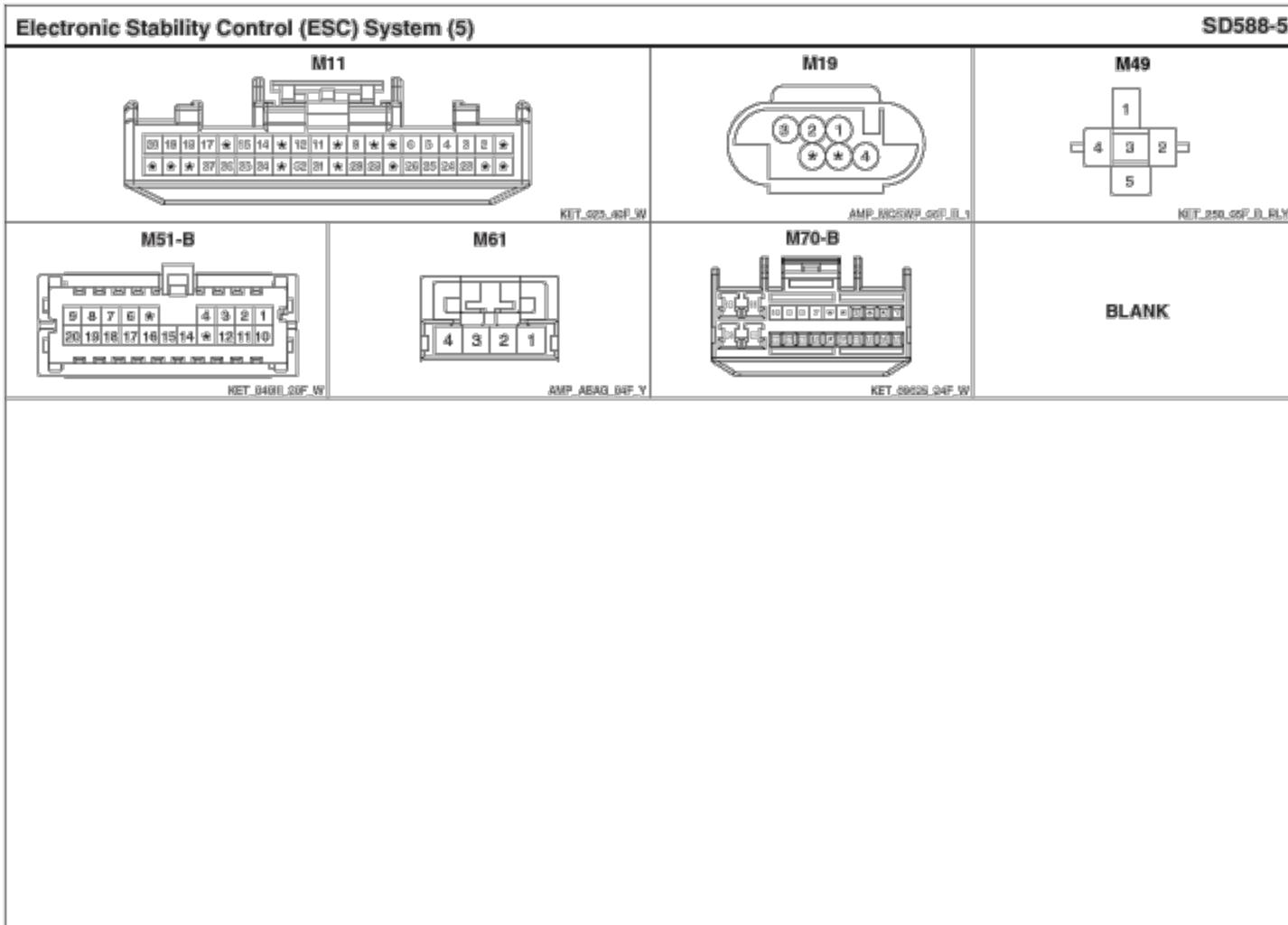


Electronic Stability Control (ESC) System (3)

SD588-3



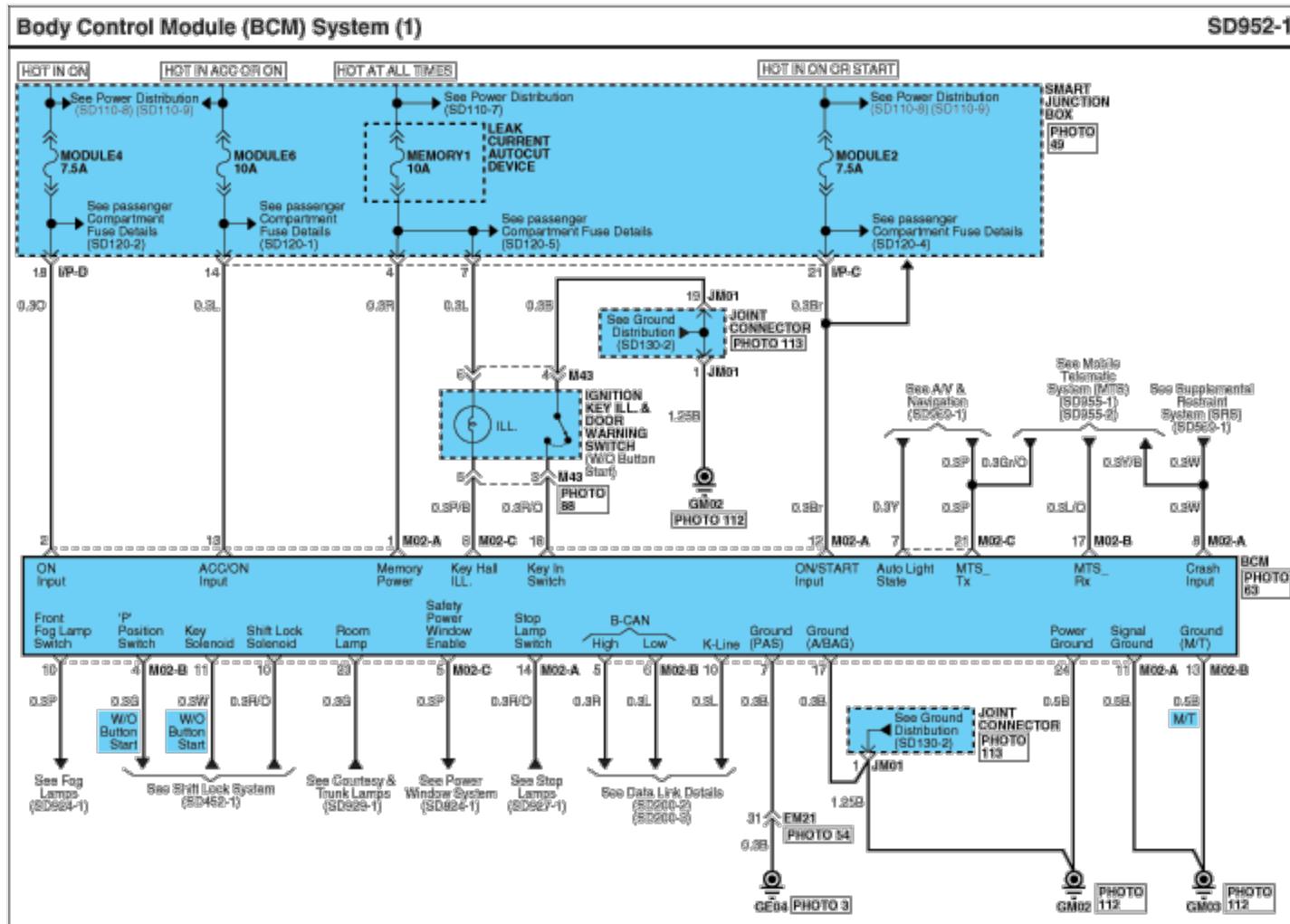
Electronic Stability Control (ESC) System (4)			SD588-4
CHG-K  AMP_EGU_84P_B_R	CHG45  AMP_JPF_02P_B_GLR	CLG45  AMP_JPF_02P_B_GLR	
CLG-B  FRD_MTSBPCU_120P_B_102	E15  AMP_ABS_38P_B_A		
	E34  KET_250EL_02P_W	E35  KET_050FAP_02H_B	
E36  KET_050FAP_02M_B	E40  TAD_32_02M_B	E41  KET_050FAP_02F_B_TB	E50  CRISP01
F34  AMP_PL_M1_01P_B	F46  KET_050FAP_02M_B	F47  KET_050FAP_02M_B	M05  KIT_SP_10P_W



Schematic Diagrams

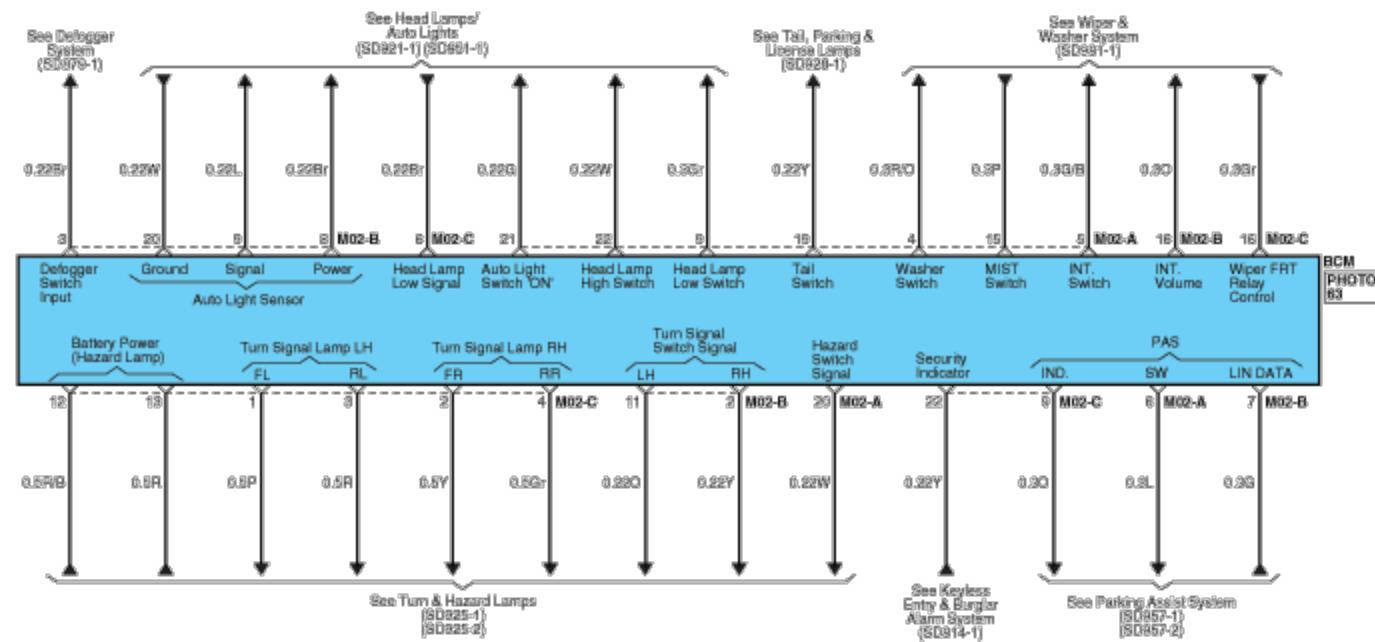


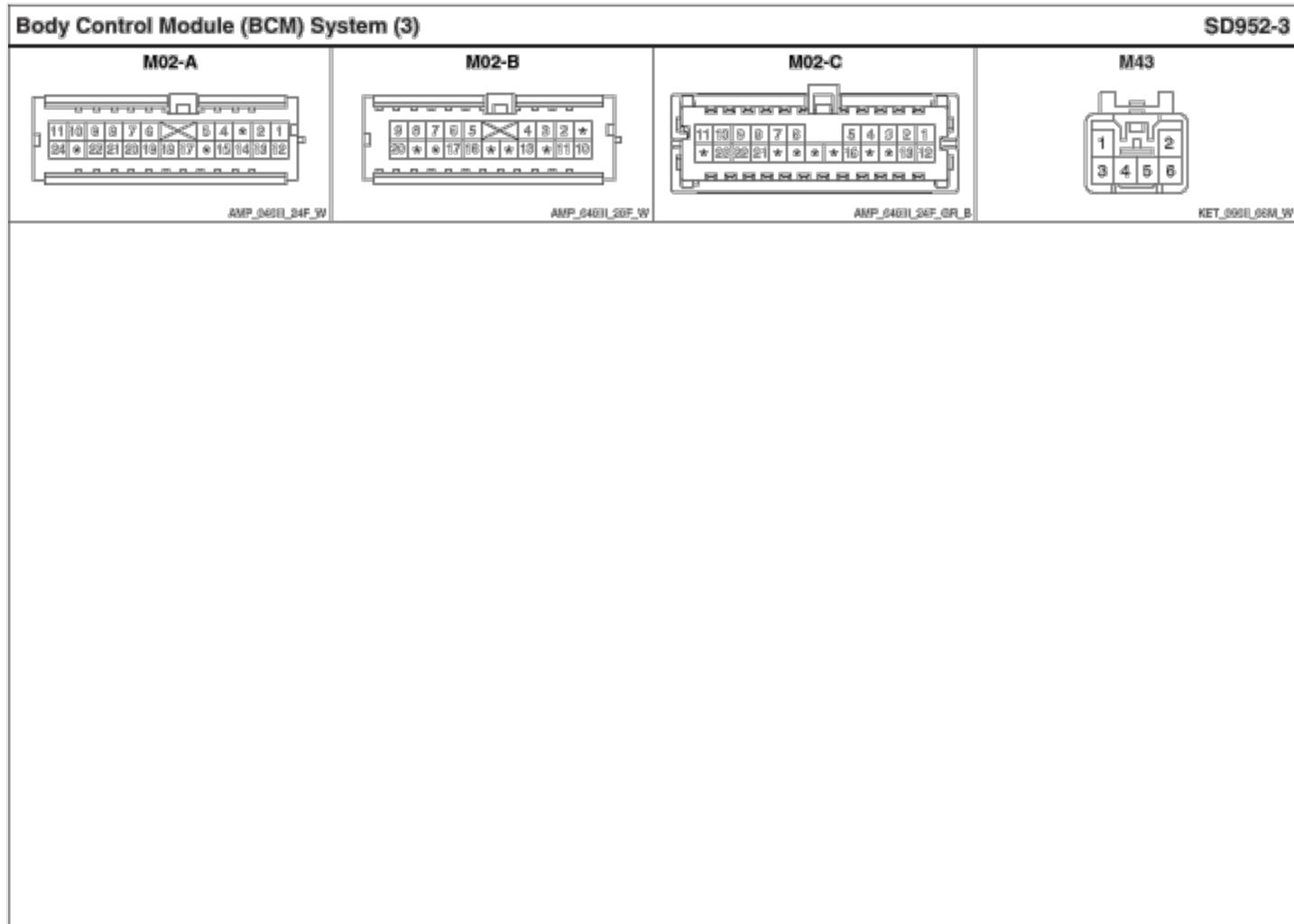
Body Control Module (BCM) System



Body Control Module (BCM) System (2)

SD952-2





Schematic Diagrams

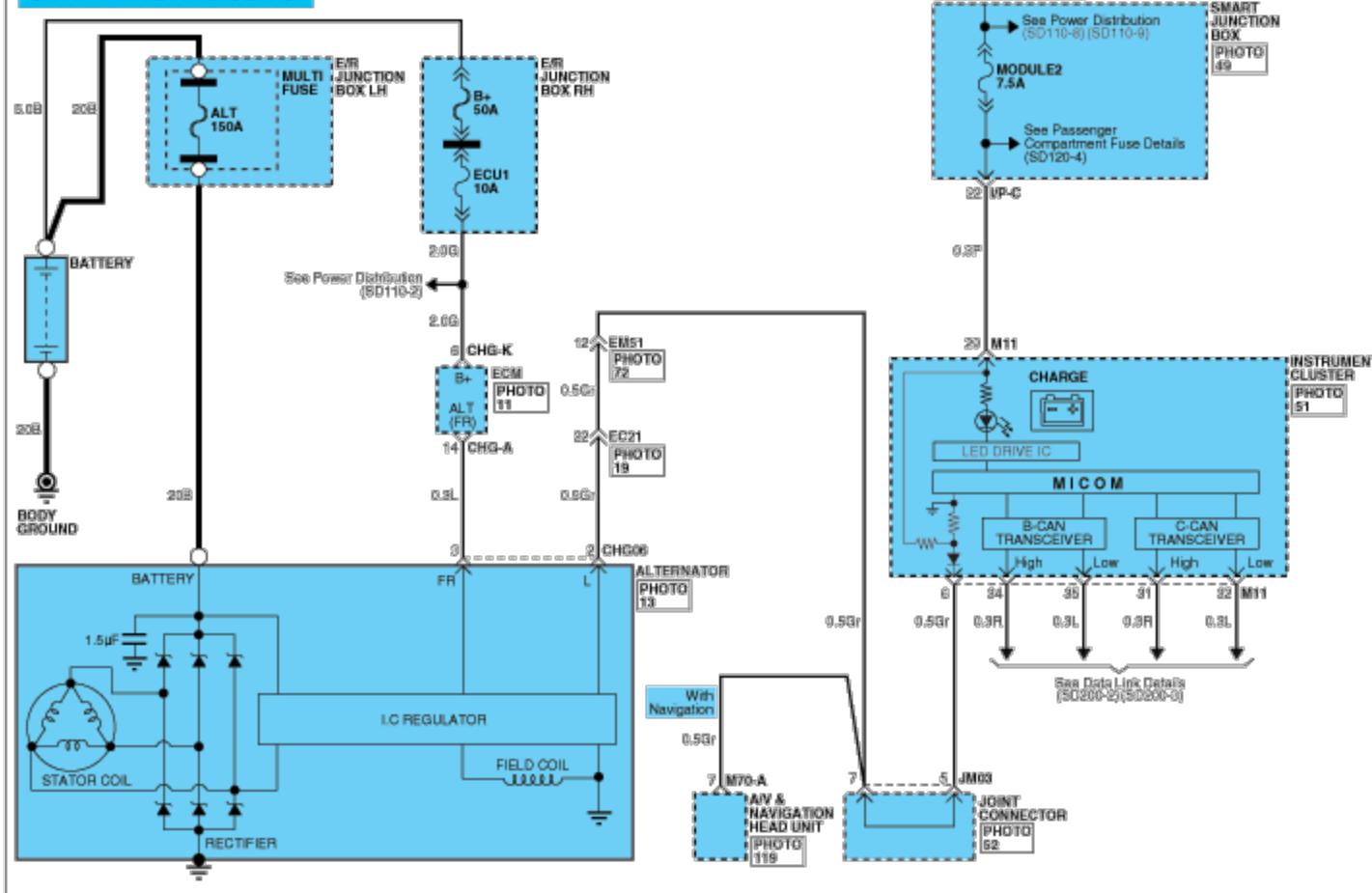


Charging System

Charging System (1)

SD373-1

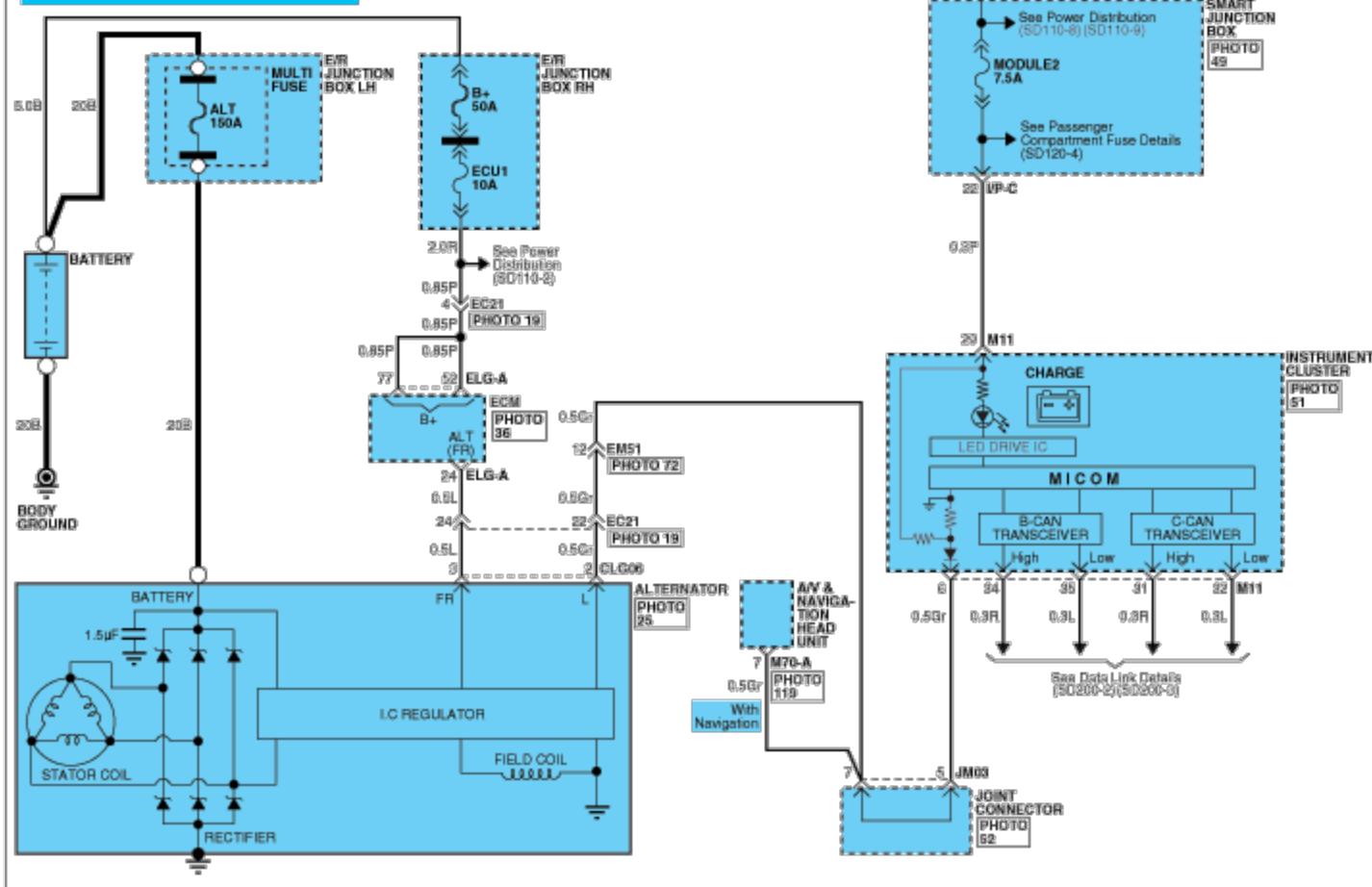
G4KF : THETA 2.0L TCI

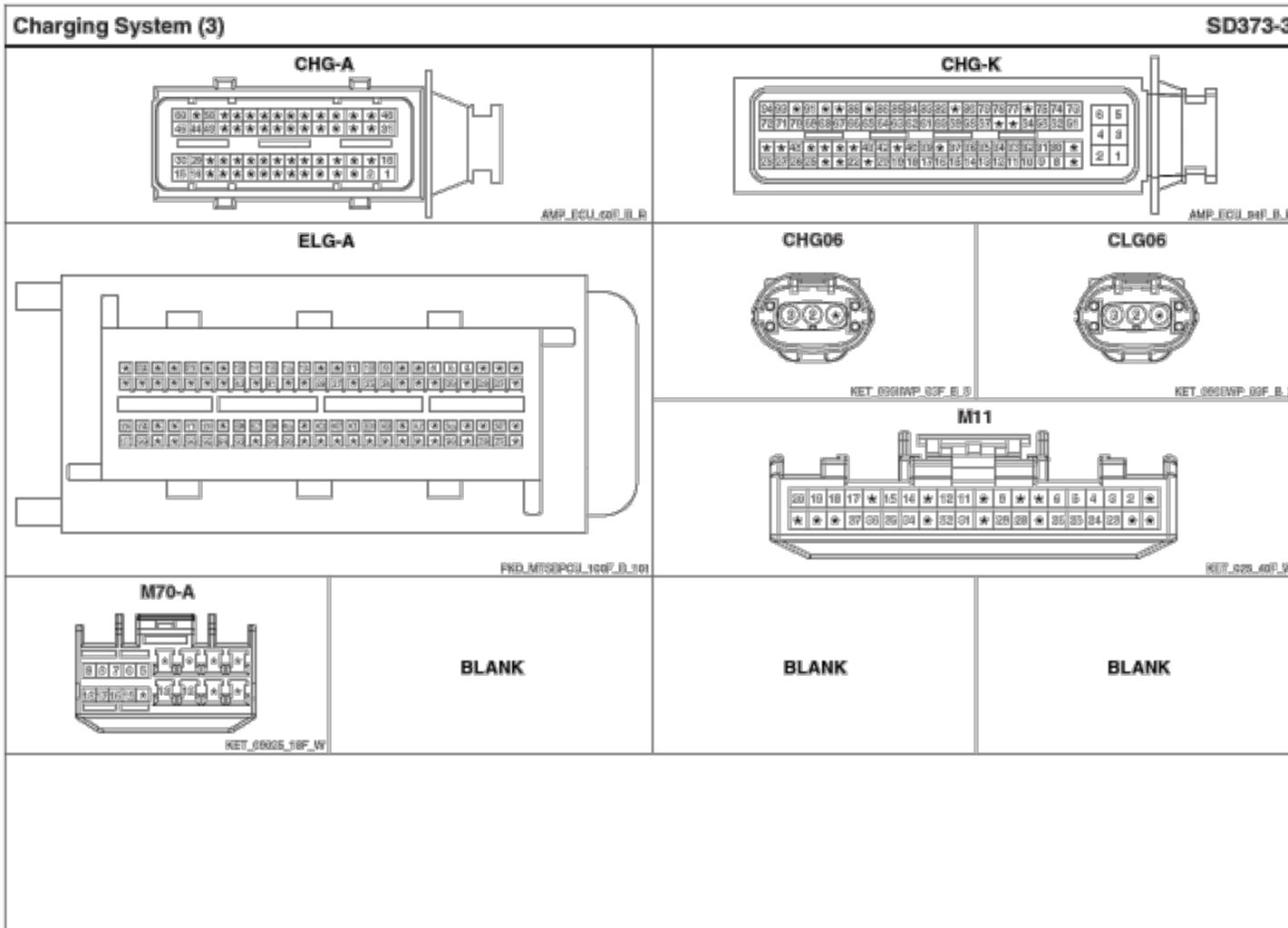


Charging System (2)

SD373-2

G6DJ : LAMBDA II 3.8L GDI





Schematic Diagrams

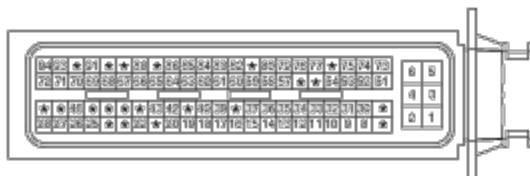
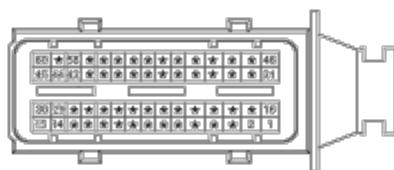


Engine Control System

Engine Control System (G4KF : THETA 2.0L TCI) (1)

SD313-1

ECM Terminal Information



CHG-A

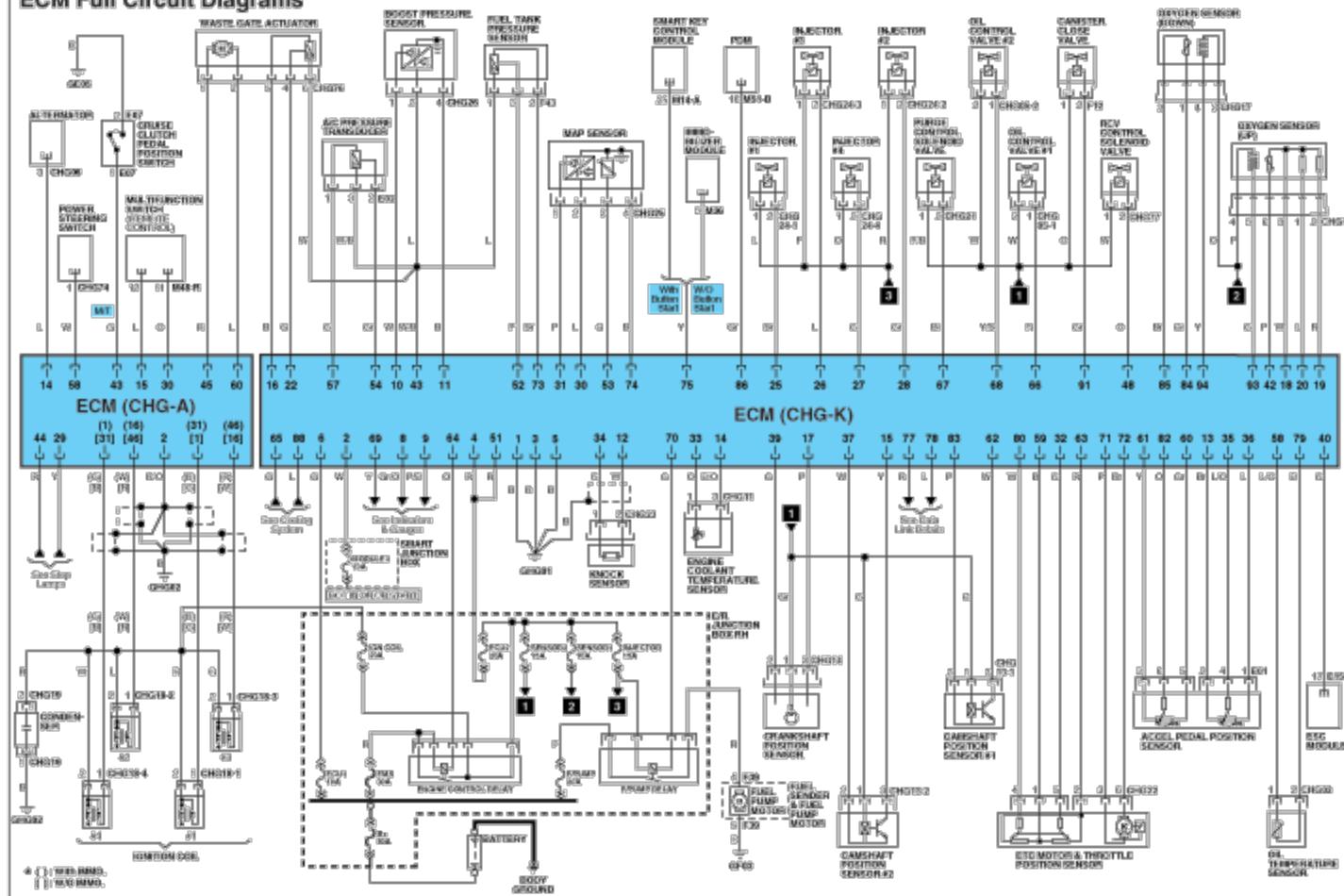
PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION
1	G	[With IMMO] Ignition Cell #4 Control [W/O IMMO] Ignition Cell #1 Control	31	B	[With IMMO] Ignition Cell #1 Control [W/O IMMO] Ignition Cell #4 Control
2	Br	BIG Ignition Cell Shield Ground	32	-	-
3	-	-	33	-	-
4	-	-	34	-	-
5	-	-	35	-	-
6	-	-	36	-	-
7	-	-	37	-	-
8	-	-	38	-	-
9	-	-	39	-	-
10	-	-	40	-	-
11	-	-	41	-	-
12	-	-	42	-	-
13	-	-	43	G	Clutch Switch (MT)
14	L	Alternator (FFI) Signal	44	Br	Brake Test Switch
15	L	Cruise Control Switch Ground	45	Br	DC Motor Output (+)
16	W	[With IMMO] Ignition Cell #2 Control [W/O IMMO] Ignition Cell #3 Control	46	H	[With IMMO] Ignition Cell #3 Control [W/O IMMO] Ignition Cell #2 Control
17	-	-	47	-	-
18	-	-	48	-	-
19	-	-	49	-	-
20	-	-	50	-	-
21	-	-	51	-	-
22	-	-	52	-	-
23	-	-	53	-	-
24	-	-	54	-	-
25	-	-	55	-	-
26	-	-	56	-	-
27	-	-	57	-	-
28	-	-	58	W	Power Steering Switch
29	Y	Brake Light Switch	59	-	-
30	O	Cruise Control Switch Signal	60	L	DC Motor Output (-)

CHG-K

PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION	PIN	COLOR	DESCRIPTION
1	B	Ground	33	Q	ECTS Signal	65	G	Cooling Fan (Low) Relay Control
2	W	CMSTART Input	34	G	Knock Sensor Ground	66	Br	CVVT. 1 Control
3	B	Ground	35	LC	APB.2 Ground	67	Br	FCSV Control
4	R	Engine Control Relay CM Input	36	L	APB.2 Power	68	YB	CVVT. 2 Control
5	B	Ground	37	W	CHRS.2 Ground	69	Y	IMD. IND.
6	B	Battery Power	38	-	-	70	G	F1 Pump Relay Control
7	-	-	39	G	CHRS.2 Ground	71	P	ETC Output 1
8	Gr	Fuel Level Signal (Middle)	40	G	Vehicle Speed Signal Input	72	Br	ETC Output 2
9	PB	Fuel Level Signal (Total)	41	-	-	73	Br	F1PFS Ground
10	W	EPS Ground	42	P	Oxygen Sensor (Up) V_FIC	74	B	MAP Sensor Ground
11	B	EPS Ground	43	WB	Smart Power (APTFPSENGATPS)	75	Y	IMD. Data Line
12	W	Knock Sensor Signal	44	-	-	76	-	-
13	Br	APB.2 Ground	45	-	-	77	R	C-GAN High
14	Br	ECTS Ground	46	-	-	78	L	C-GAN Low
15	Y	CMFS.2 Signal	47	-	-	79	B	Oil Temp. Sensor Ground
16	B	ENGA FB Sensor Ground	48	Q	PCV Control	80	W	TFS.1 Signal
17	P	CHRS.2 Signal	49	-	-	81	-	-
18	W	Oxygen Sensor (Up) V_F	50	-	-	82	Q	APB.1 Signal
19	R	Oxygen Sensor (Up) V_H	51	R	Engine Control Relay CM Input	83	P	CHRS.2 Ground
20	L	Oxygen Sensor (Up) V_J	52	P	F1PFS Signal	84	Gr	Oxygen Sensor (Down) Signal
21	-	-	53	B	IAT Sensor (MAP)	85	Br	Oxygen Sensor (Down) Ground
22	G	ENGA FB Sensor Ground	54	Gr	APT Sensor Signal	86	Gr	Engine RPM Signal (Master)
23	-	-	55	-	-	87	-	-
24	-	-	56	-	-	88	L	Cooling Fan (High) Relay Control
25	Br	Injector #1 Control	57	B	APT Sensor Ground	89	-	-
26	L	Injector #3 Control	58	LC	Oil Temp. Sensor Signal	90	-	-
27	G	Injector #4 Control	59	B	TPS Ground	91	Gr	CCV Control
28	Gr	Injector #2 Control	60	Gr	APB.1 Power	92	-	-
29	-	-	61	Y	APB.1 Ground	93	G	Oxygen Sensor (Up) Heater
30	L	MAP Sensor Power	62	W	CHRS.2 Signal	94	Y	Oxygen Sensor (Down) Heater
31	P	MAP Sensor Signal	63	R	TPS Power			
32	G	TFS.2 Signal	64	Q	Engine Control Relay Control			

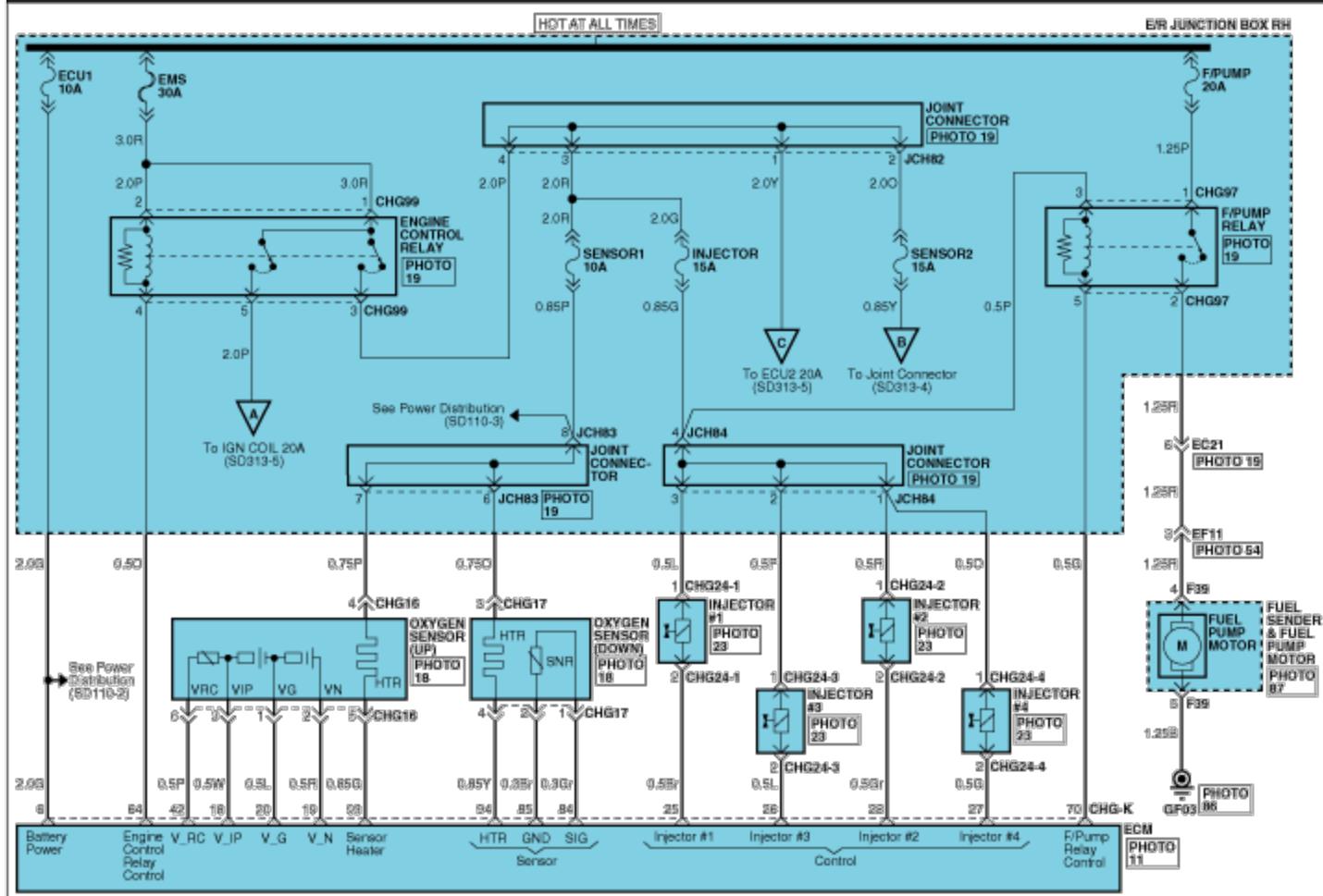
Engine Control System (G4KF : THETA 2.0L TCI) (2)

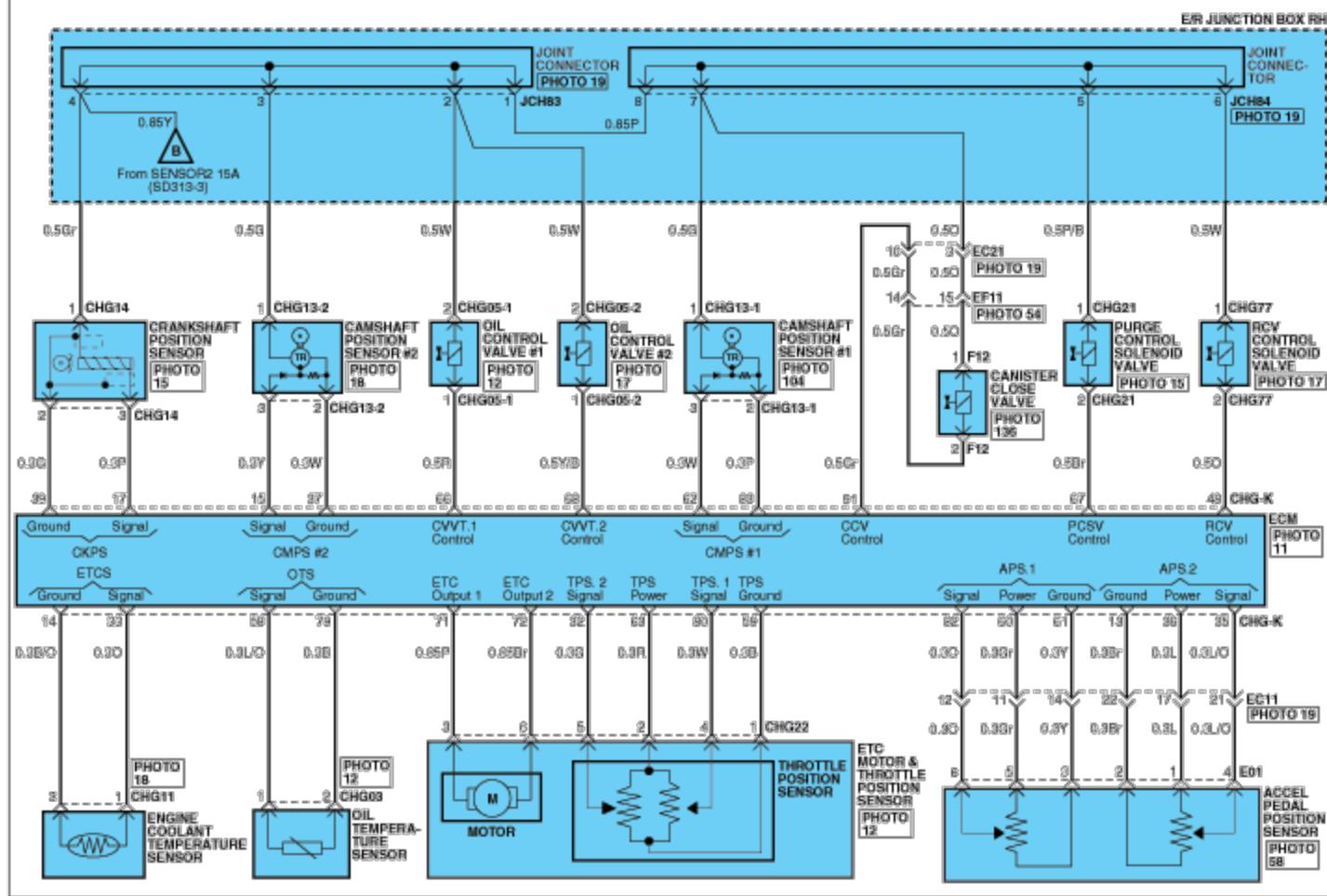
SD313-2

ECM Full Circuit Diagrams


Engine Control System (G4KF : THETA 2.0L TCI) (3)

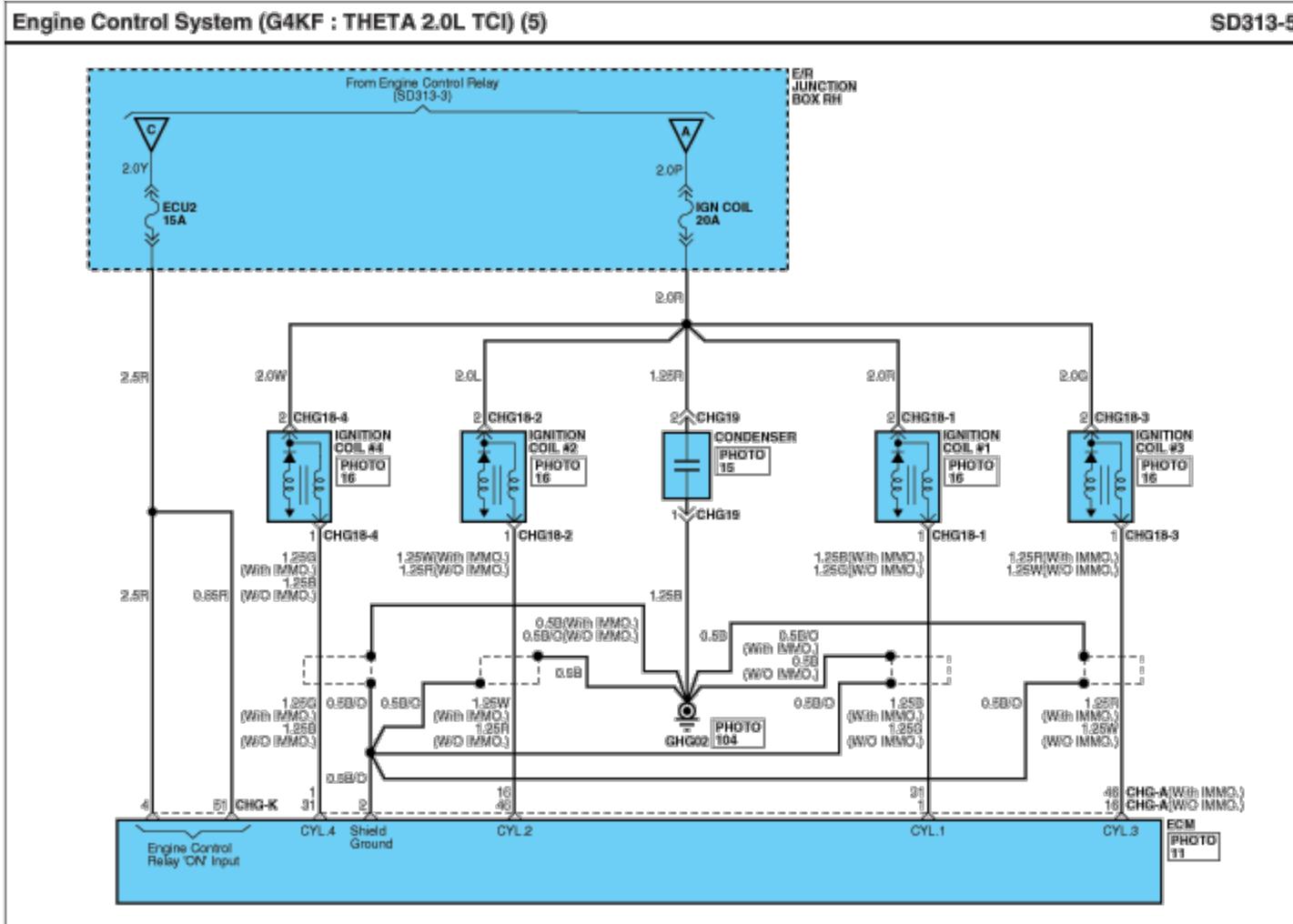
SD313-3



Engine Control System (G4KF : THETA 2.0L TCI) (4)**SD313-4**

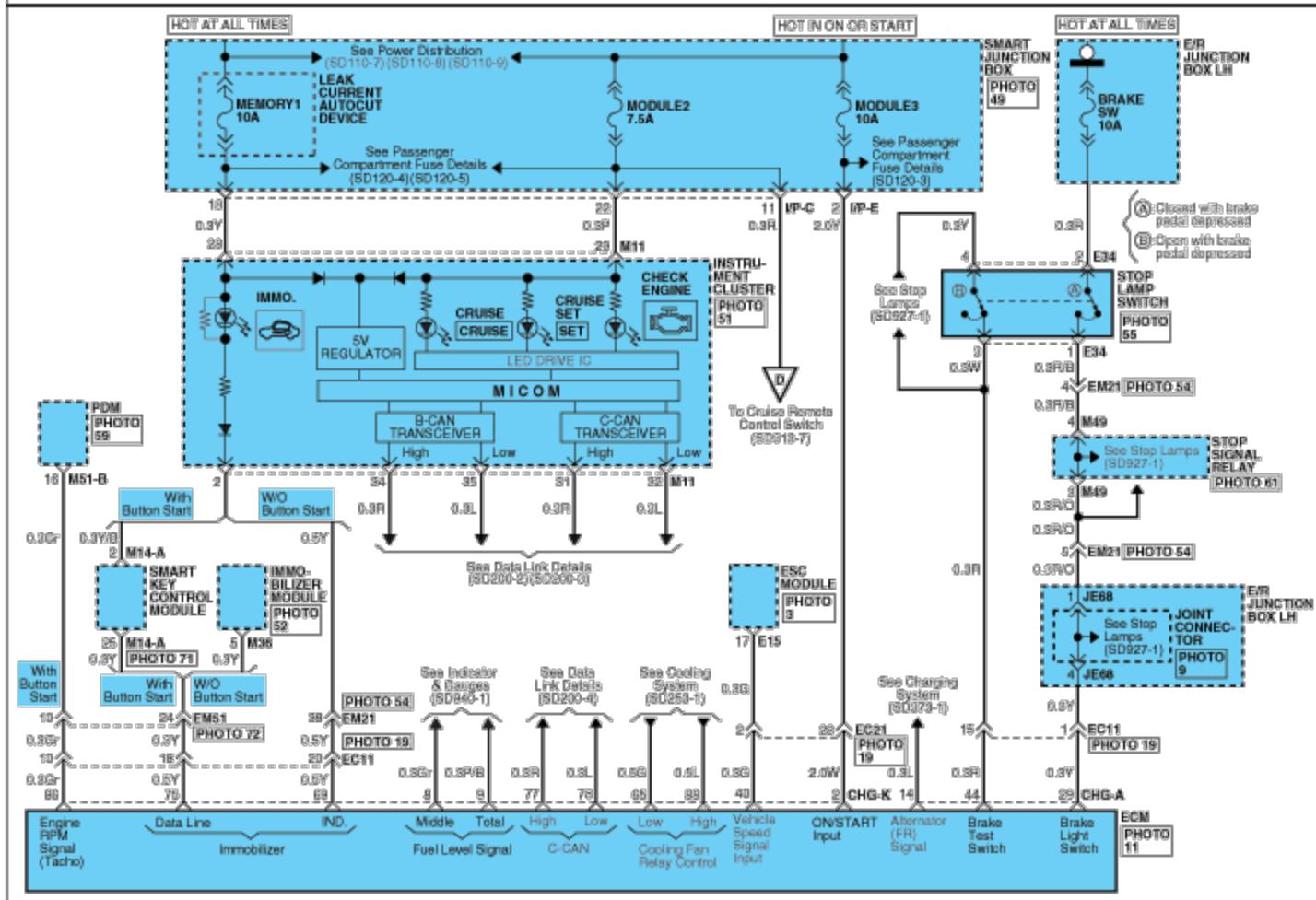
Engine Control System (G4KF : THETA 2.0L TCI) (5)

SD313-5



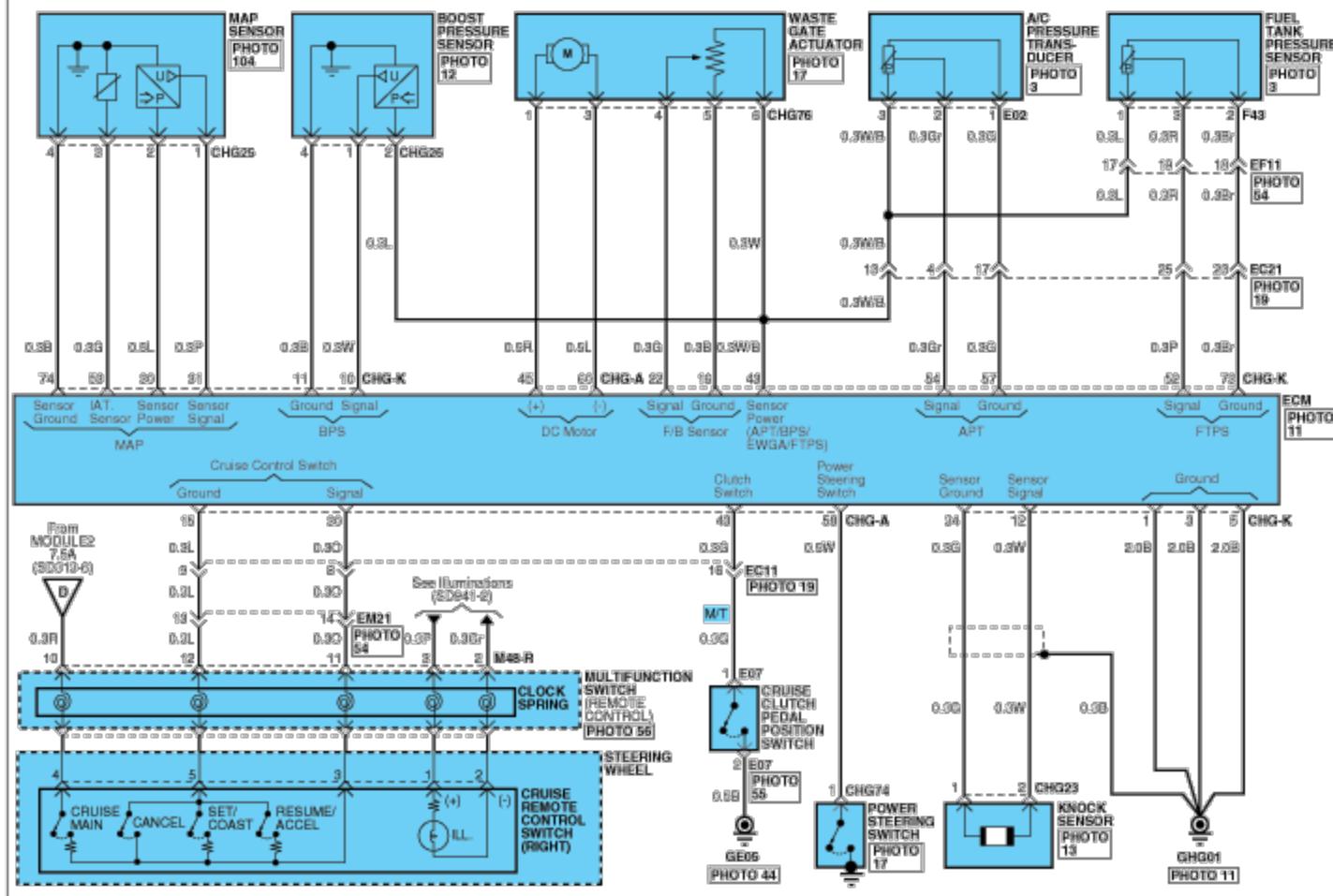
Engine Control System (G4KF : THETA 2.0L TCI) (6)

SD313-6



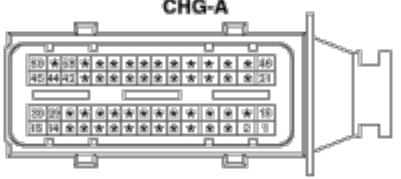
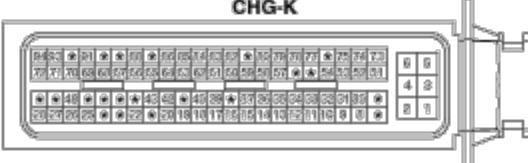
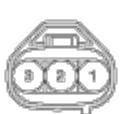
Engine Control System (G4KF : THETA 2.0L TCI) (7)

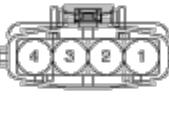
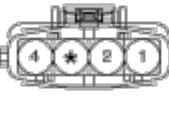
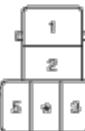
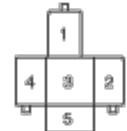
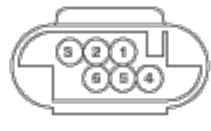
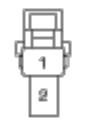
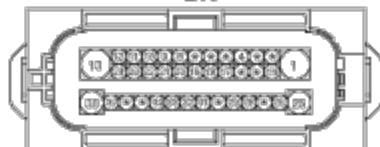
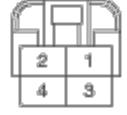
SD313-7

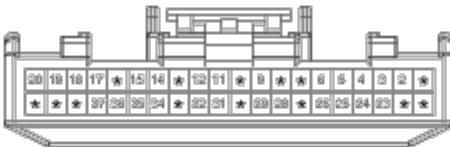
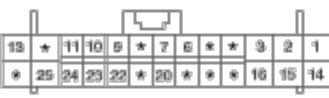
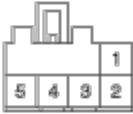
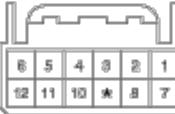
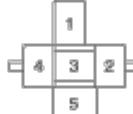
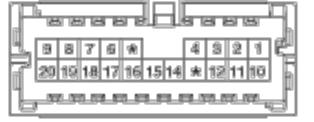


Engine Control System (G4KF : THETA 2.0L TCI) (8)

SD313-8

CHG-A	CHG-K		
			
AMP_EGU_0SF_B_R	AMP_ECU_04F_B_R		
CHG03	CHG05-1	CHG05-2	CHG06
			
AMP_JFT_0SF_B_CLIP	KET_006WP_0SF_B_L1	KET_006WP_0SF_B_L2	KET_006WP_0SF_B_S
CHG11	CHG13-1	CHG13-2	CHG14
			
KUM_622_0SF_B_WTB	KET_006WP_0SF_G1	KET_006WP_0SF_G2	AMP_JFT_0SF_B_S2
CHG16	CHG17	CHG18-1	CHG18-2
			
AMP_006WP_0SF_B_MTL_SLO	KET_006WP_04F_B	KET_006WP_0SF_B_L3	KET_006WP_0SF_B_L4
CHG18-3	CHG18-4	CHG19	CHG21
			
KET_006WP_0SF_B_L5	KET_006WP_0SF_B_L6	KET_006WP_0SF_L1	FWD_100WP_0SF_B

Engine Control System (G4KF : THETA 2.0L TCI) (9)				SD313-9
CHG22  AMP_M2WP_BSF_B_1	CHG23  PHD_1WP_BSF_BR	CHG24-1  KUM_HWP_BSF_B	CHG24-2  KUM_HWP_BSF_B	
CHG24-3  KUM_HWP_BSF_B	CHG24-4  KUM_HWP_BSF_B	CHG25  AMP_JPT_B4F_B_DCCH	CHG26  AMP_JPT_B4F_B_DCCH	
CHG74  KUM_HWP_BSF_B	CHG76  AMP_BWP_BSF_GF_MTC_BLD	CHG77  AMP_JPT_BSF_B_CUP	CHG97  CR25P01	
CHG99  CR25P03	E01  AMP_M2WP_BSF_B	E02  NET_M2WP_BSF_B	E07  NET_E25DL_BSF_W	
E15  AMP_SBS_BSF_B_A		E34  NET_B5001_B4F_W	F12  AMP_JPT_BSF_B	

Engine Control System (G4KF : THETA 2.0L TCI) (10)			SD313-10
F39  KET_OSENSP_BSF_GR_2	F43  AMP_OB1_BSF_B_WP	M11  KET_OSE_BSF_W	
M14-A  AMP_OA07_BSF_W_HD	M36  KIM_OBR_BSF_W	M48-R  AMP_OB5_BSF_W	M49  KET_OSE_BSF_B_RLY
M51-B  KET_OB01_BSF_W	BLANK	BLANK	BLANK

Schematic Diagrams

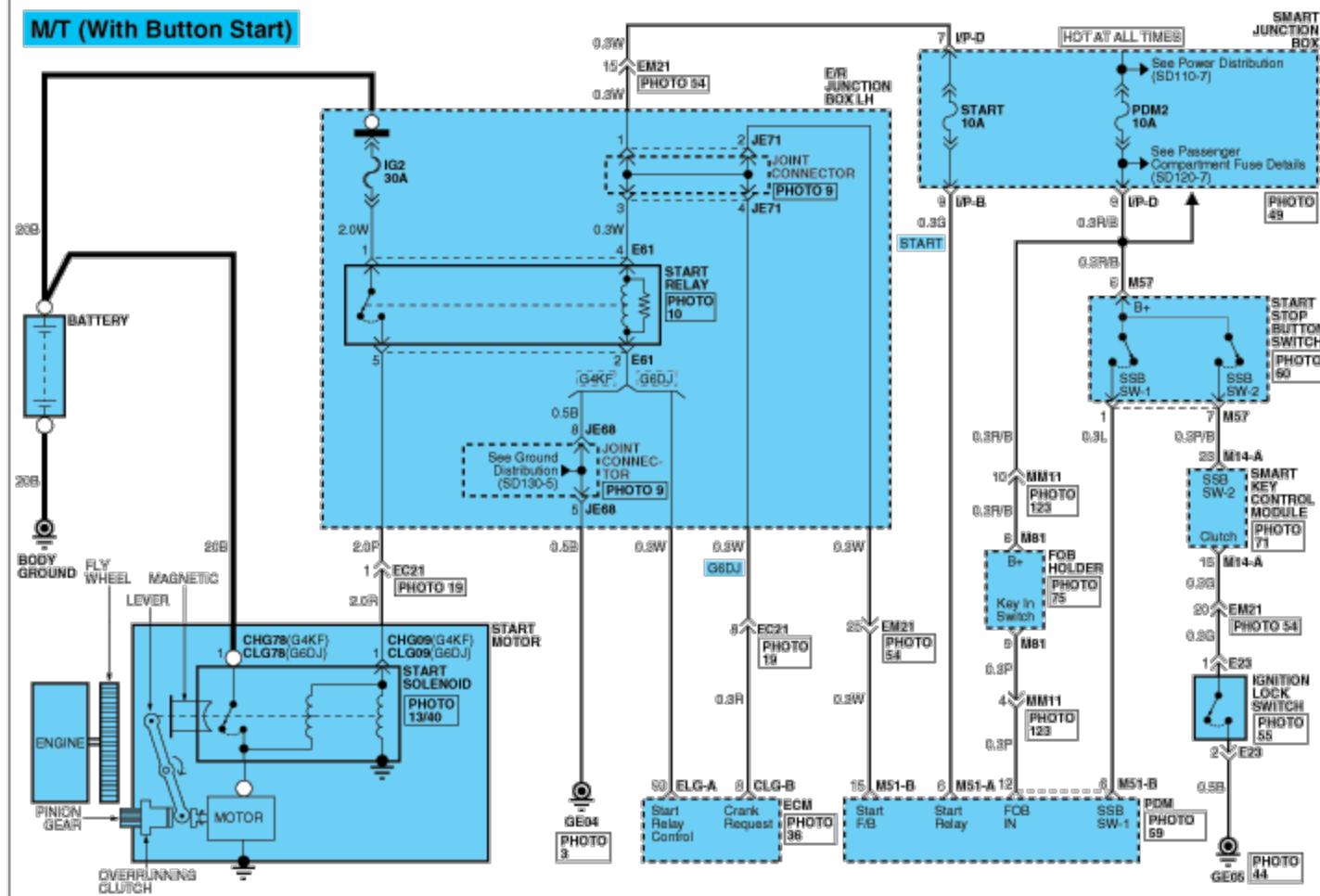


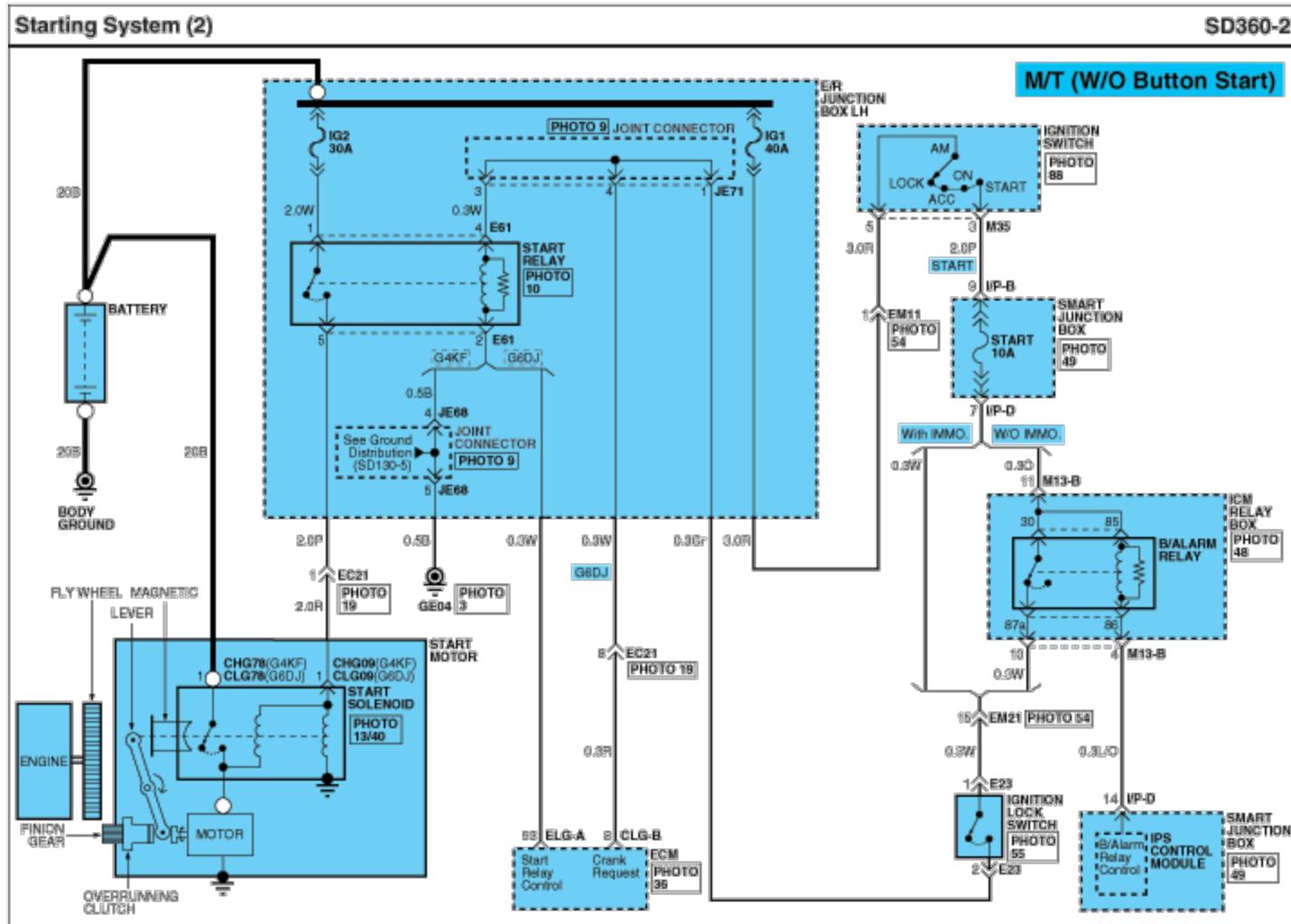
Starting System

Starting System (1)

SD360-1

M/T (With Button Start)

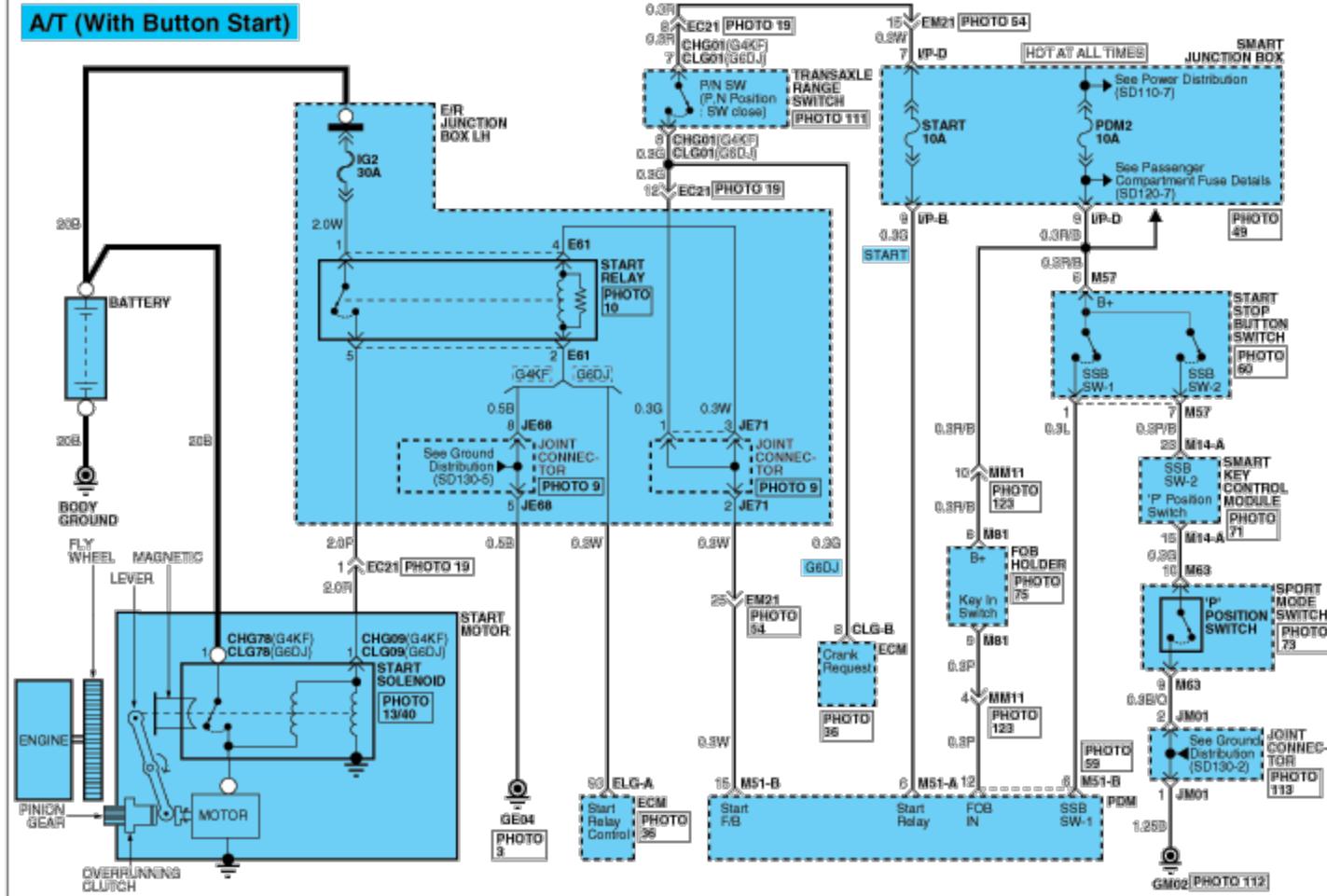




Starting System (3)

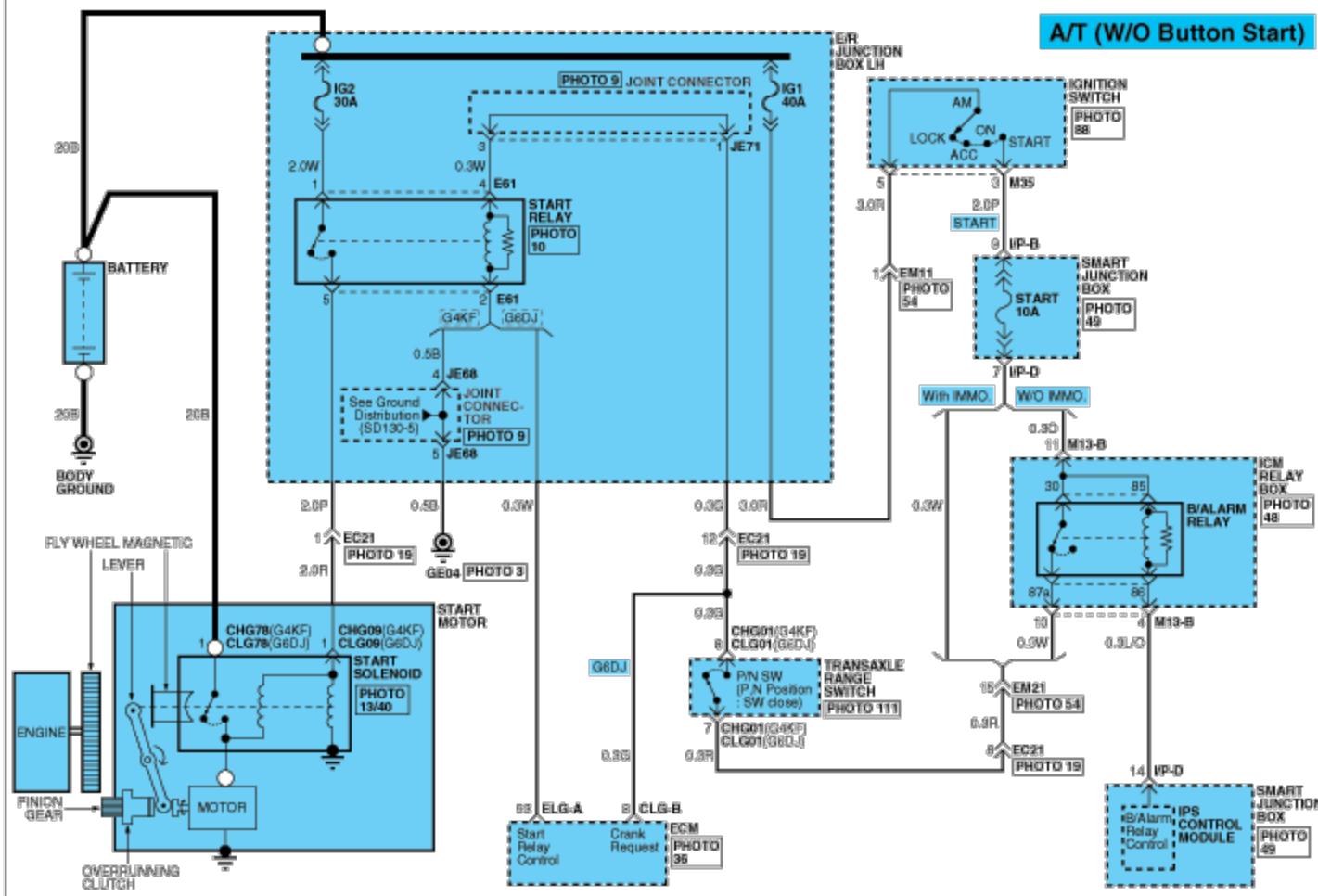
SD360-3

A/T (With Button Start)

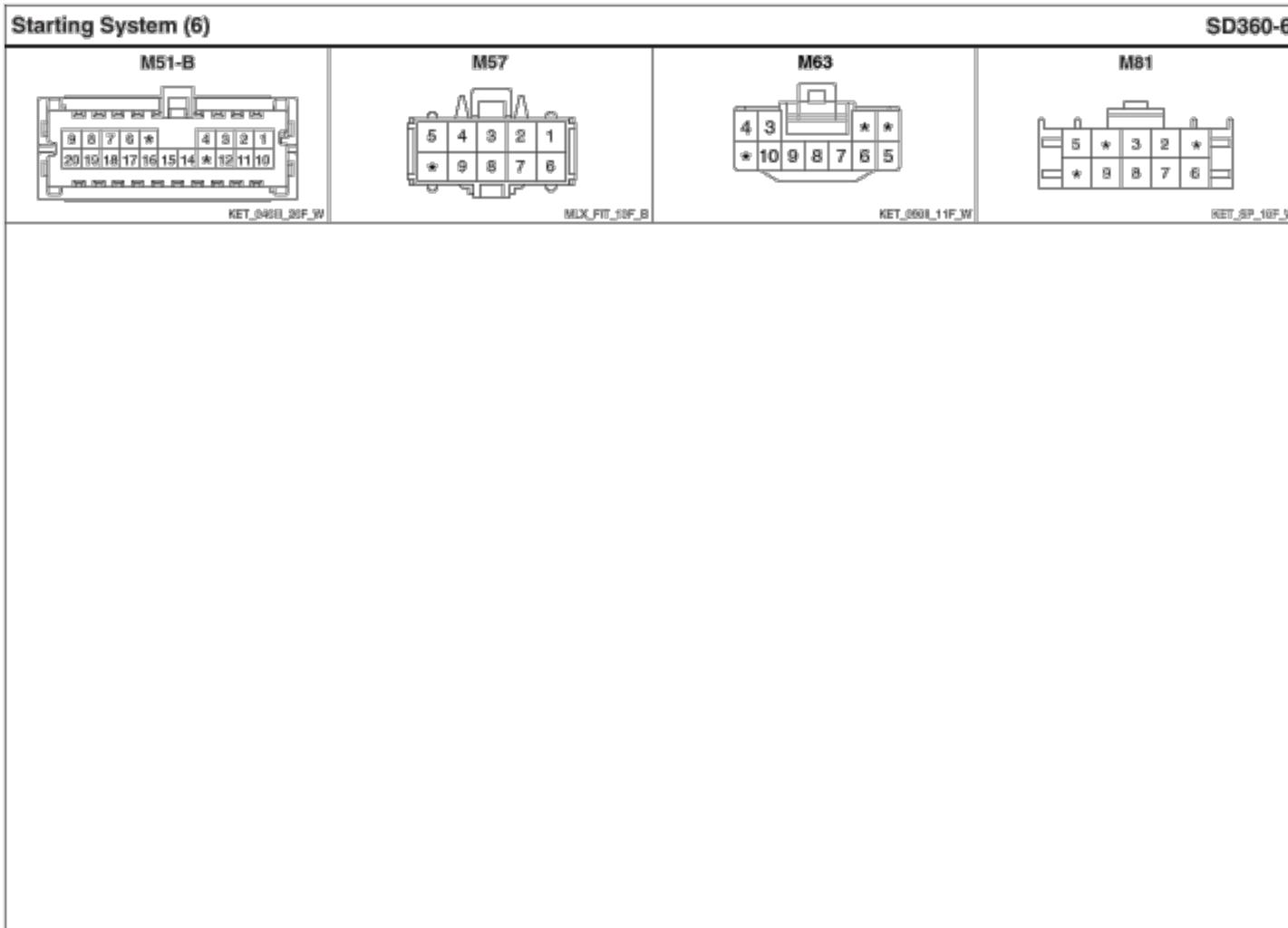


Starting System (4)

SD360-4



Starting System (5)		SD360-5	
CLG-B		ELG-A	
PND_MTSBPCU_100P_B_102		PND_MTSBPCU_100P_B_101	
CHG01 	CHG09 	CHG78 	CLG01
KET_098IWP_08F_B	KET_098_01F_BR	CHT_STMTR_BT_N	KET_098IWP_08F_B
CLG09 	CLG78 	E23 	E61
KET_098_01F_BR	CHT_STMTR_BT_N_01P_N_1	KET_098I_02F_W_L	CHGFB03
M13-B 	M14-A 	M35 	M51-A
AMP_098_16F_W	AMP_0407_26F_W_HD	KUN_DSD_08F_W	KET_098I_10F_W



Schematic Diagrams

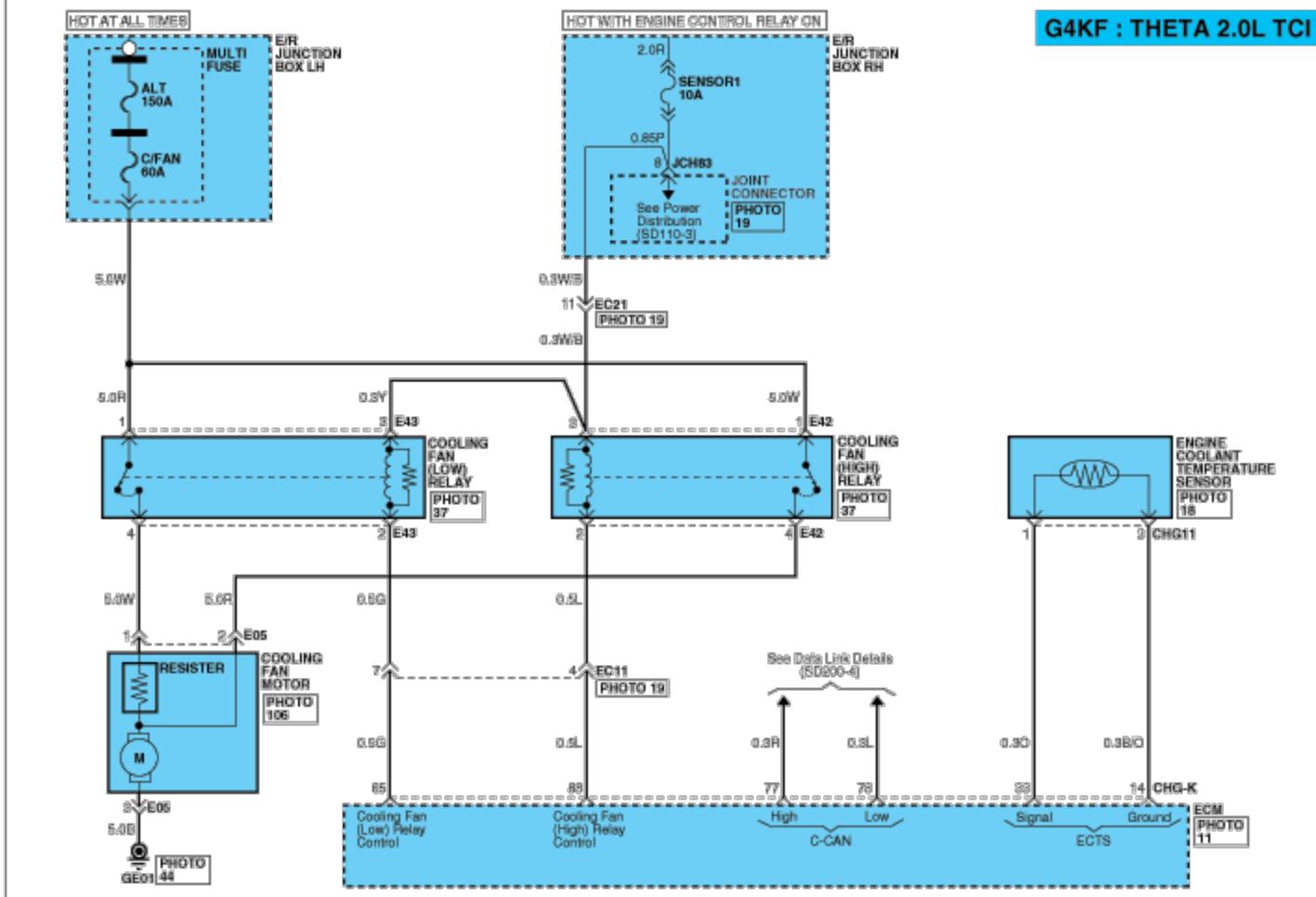


Cooling System

Cooling System (1)

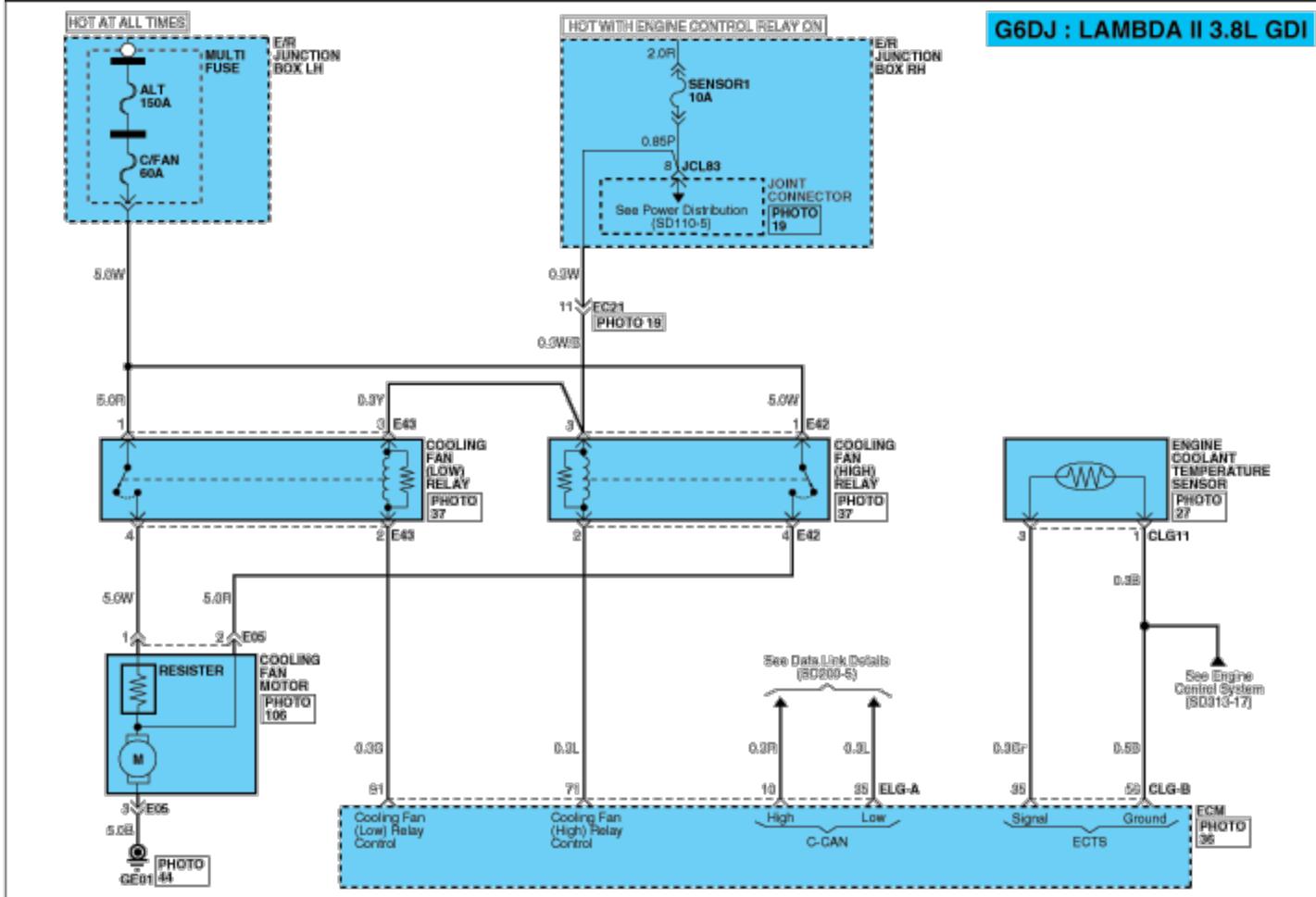
SD253-1

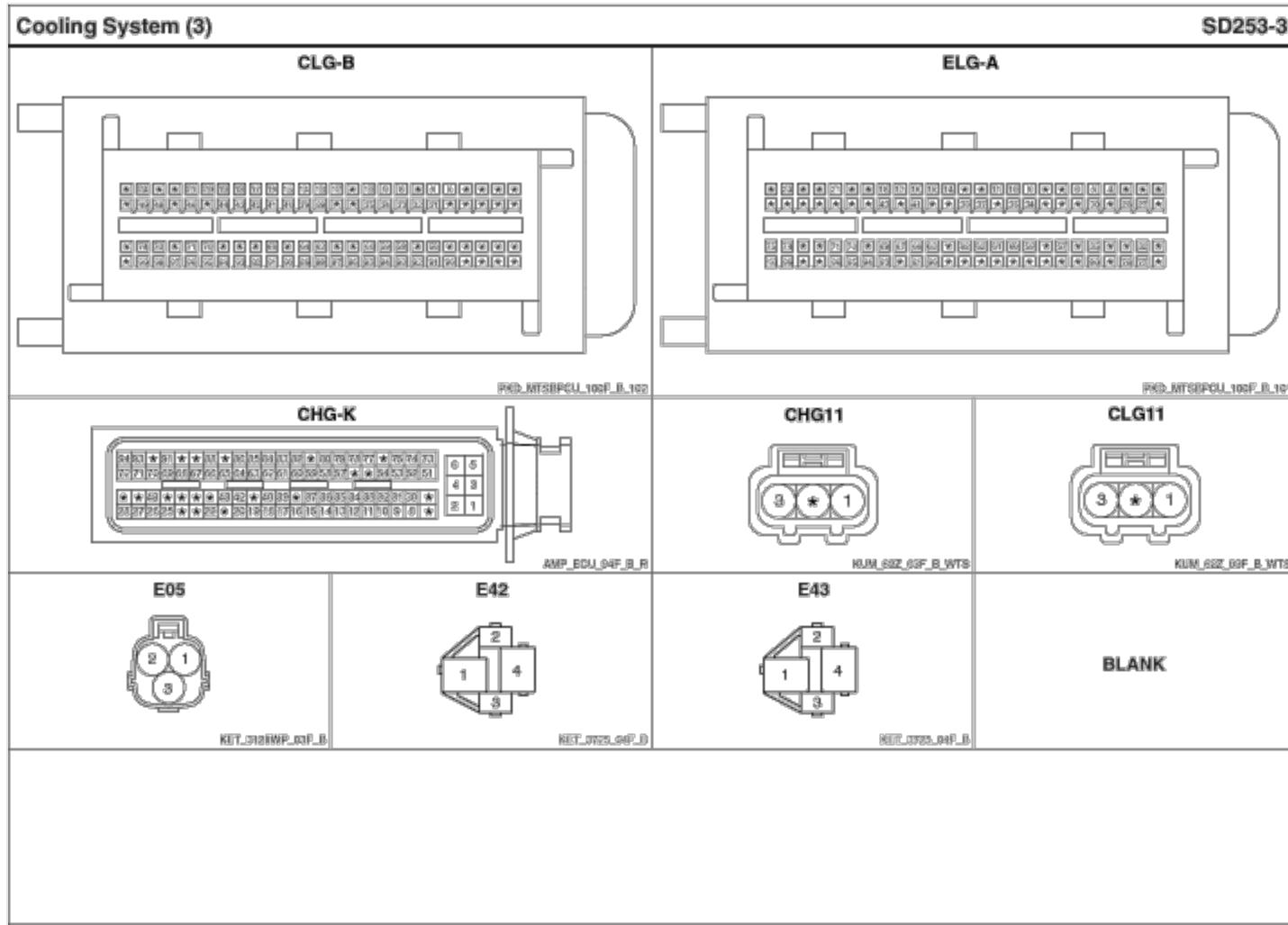
G4KF : THETA 2.0L TCI



Cooling System (2)

SD253-2





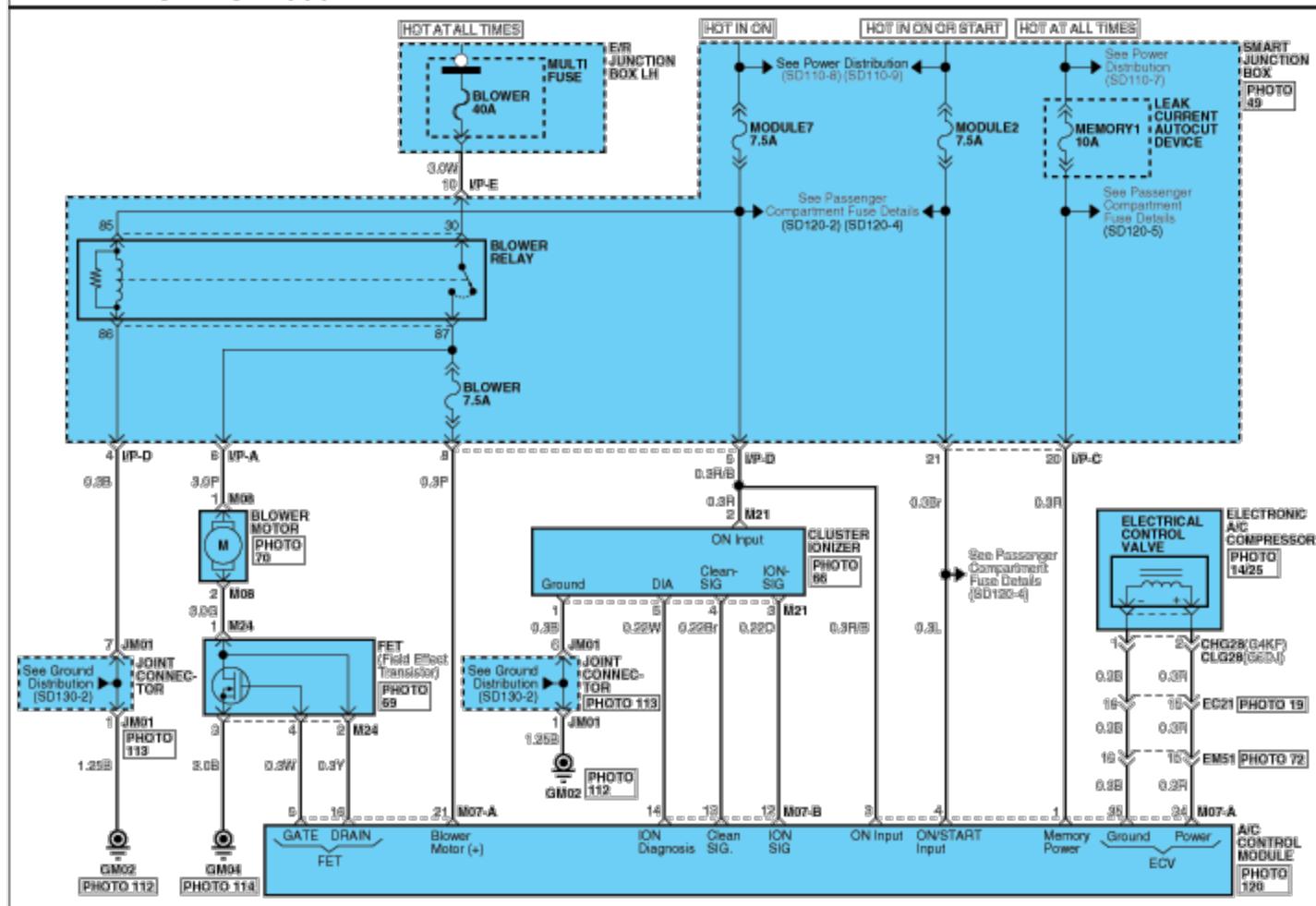
Schematic Diagrams



A/C Control System (Auto)

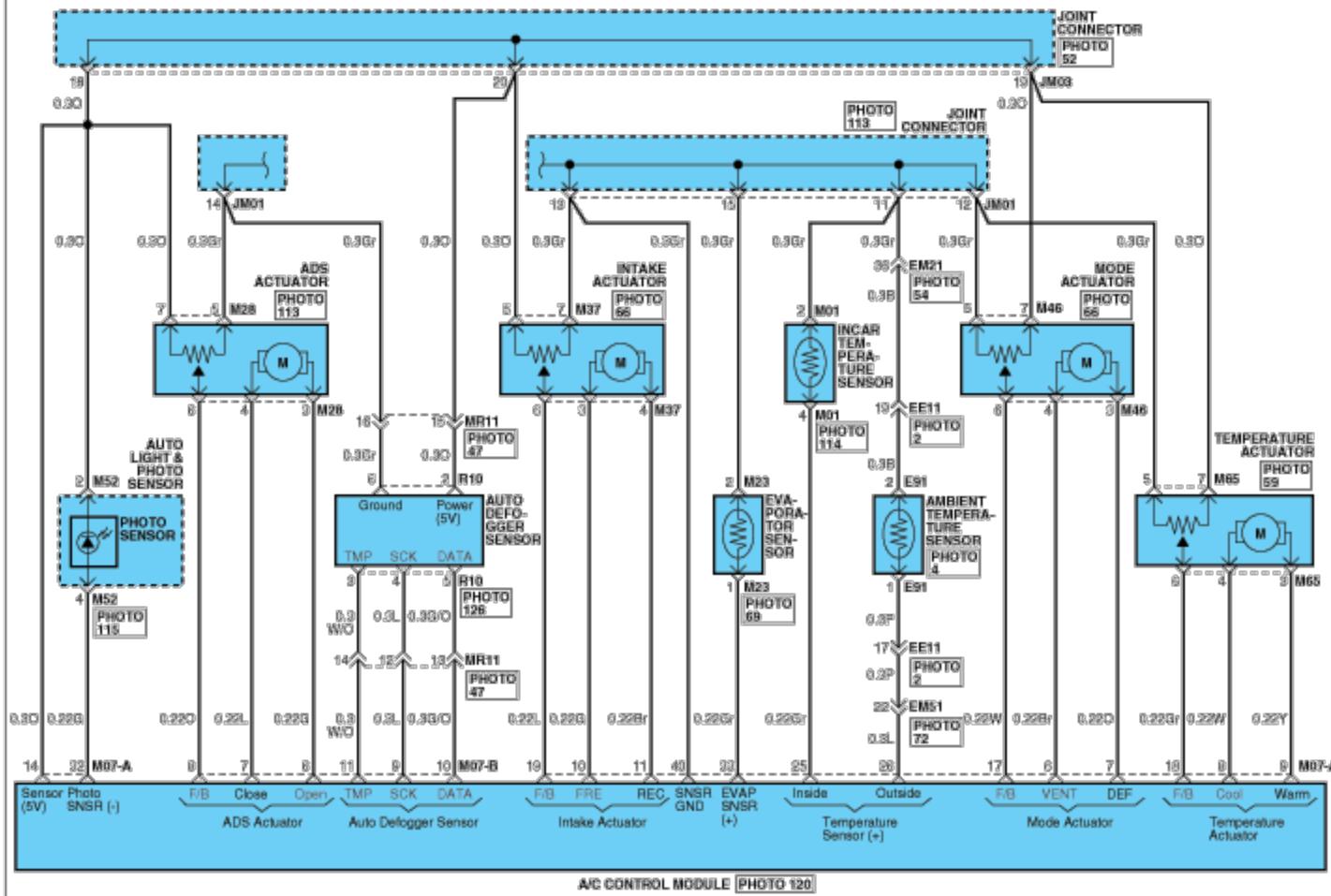
A/C Control System (Auto) (1)

SD971-1



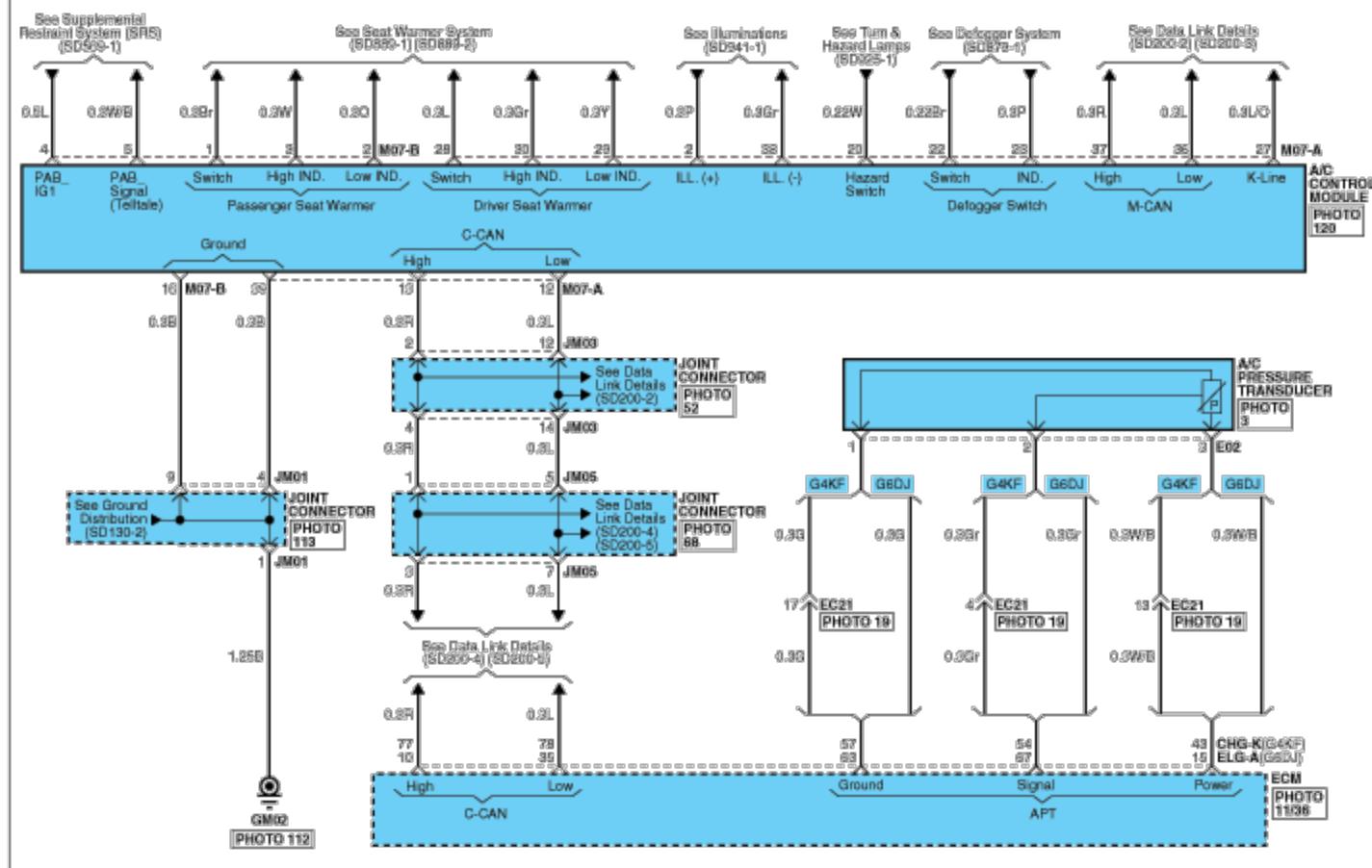
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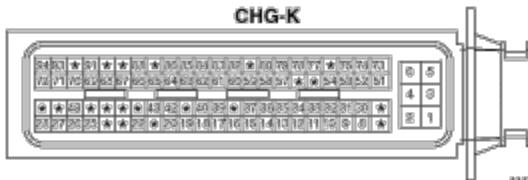
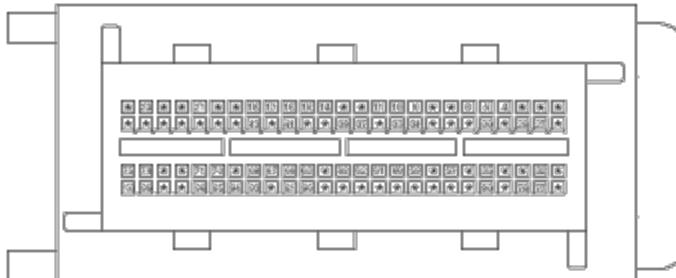
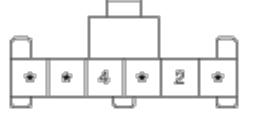
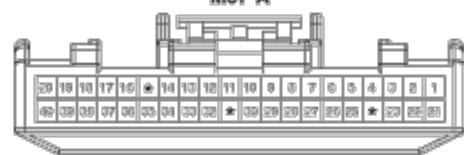
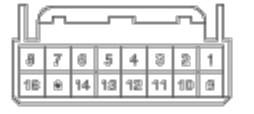
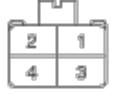
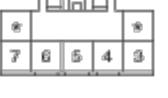
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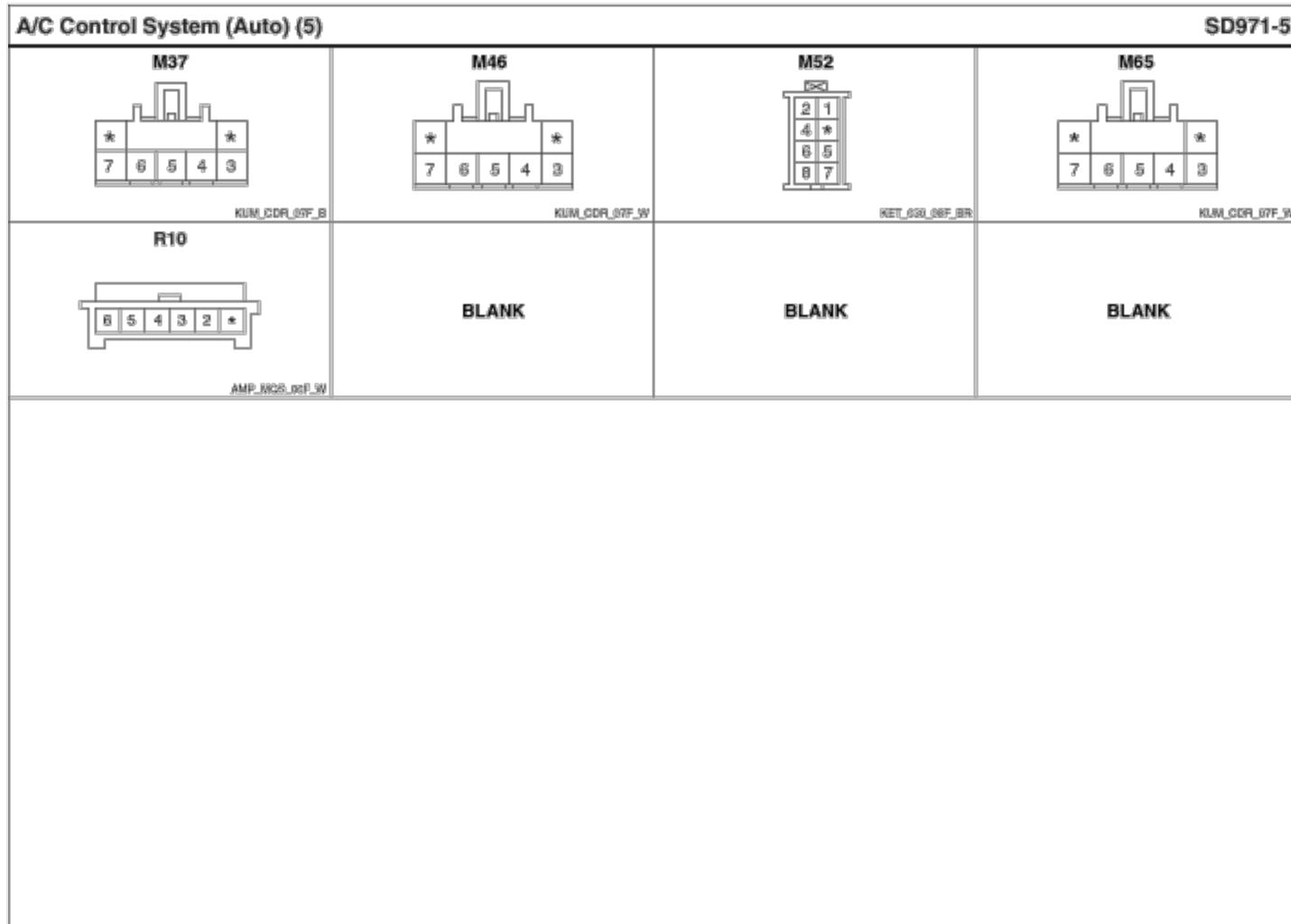


A/C Control System (Auto) (3)

SD971-3



A/C Control System (Auto) (4)		SD971-4
CHG-K 		ELG-A 
CHG28 	CLG28 	
KUM_NMAP_02F_B	KUM_NMAP_02F_B	PIN_MTCBPCU_102F_B_101
E02 	E91 	M01  KET_01A_02F_W
KET_BSWP_02F_B	KET_BWP_02F_B	BLANK
M07-A 	M07-B 	M08  KET_250_02F_W
KET_025_46E_W	AMP_025_16F_W	
M21 	M23 	M24  KET_260_04F_W
KET_060_02F_W	AMP_070_02F_W	M28  KUM_CDF_07F_W



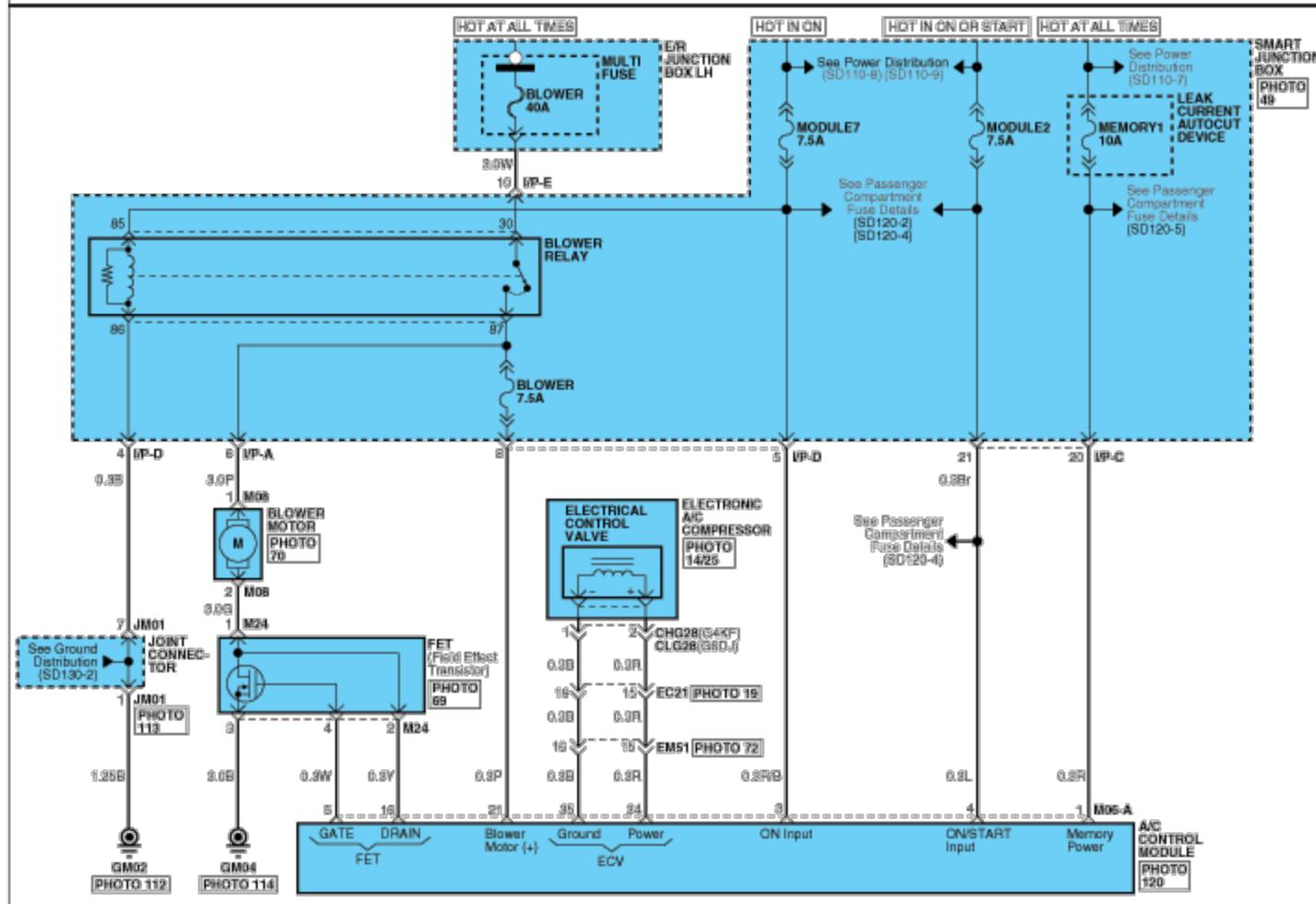
Schematic Diagrams



A/C Control System (Manual)

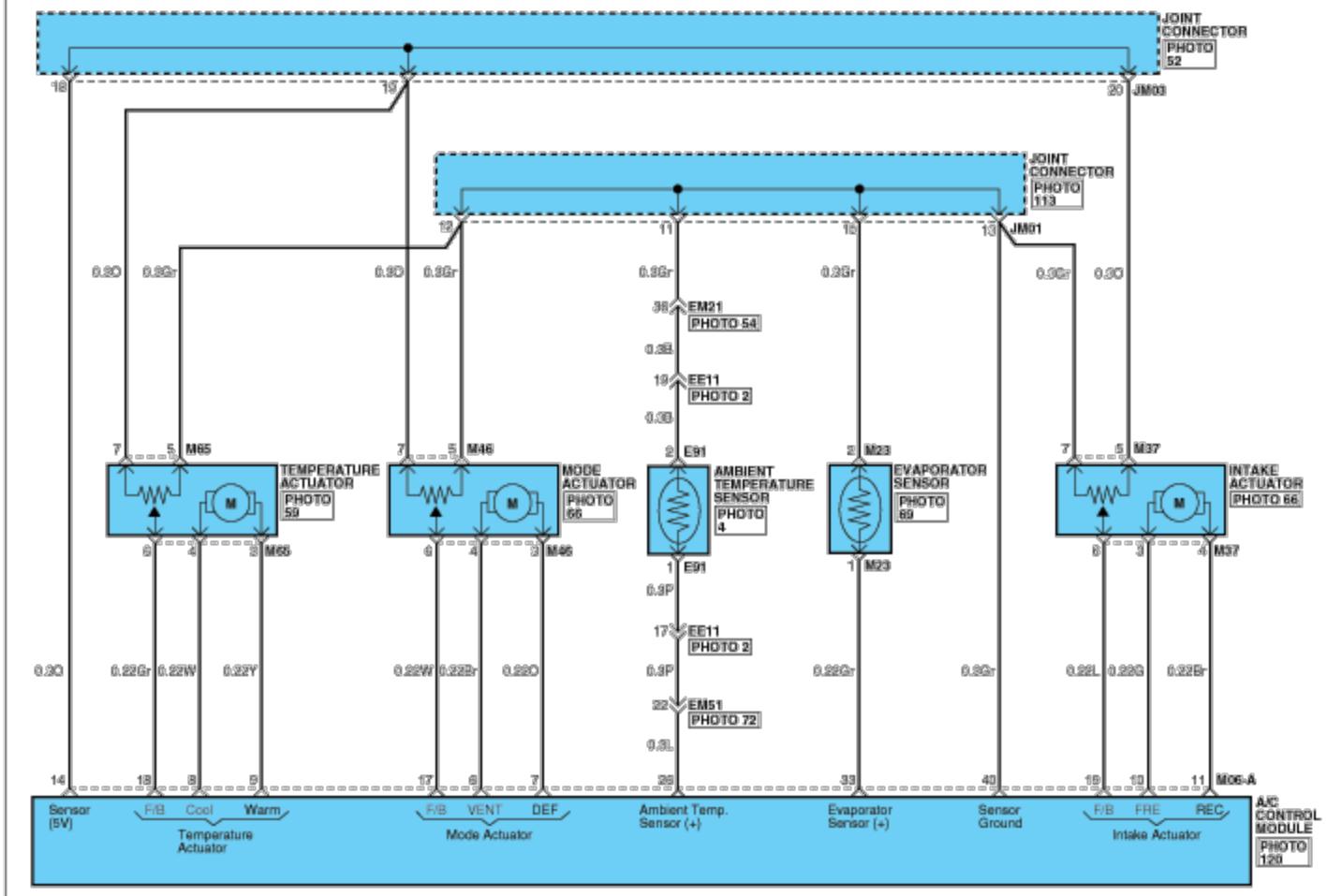
A/C Control System (Manual) (1)

SD971-7



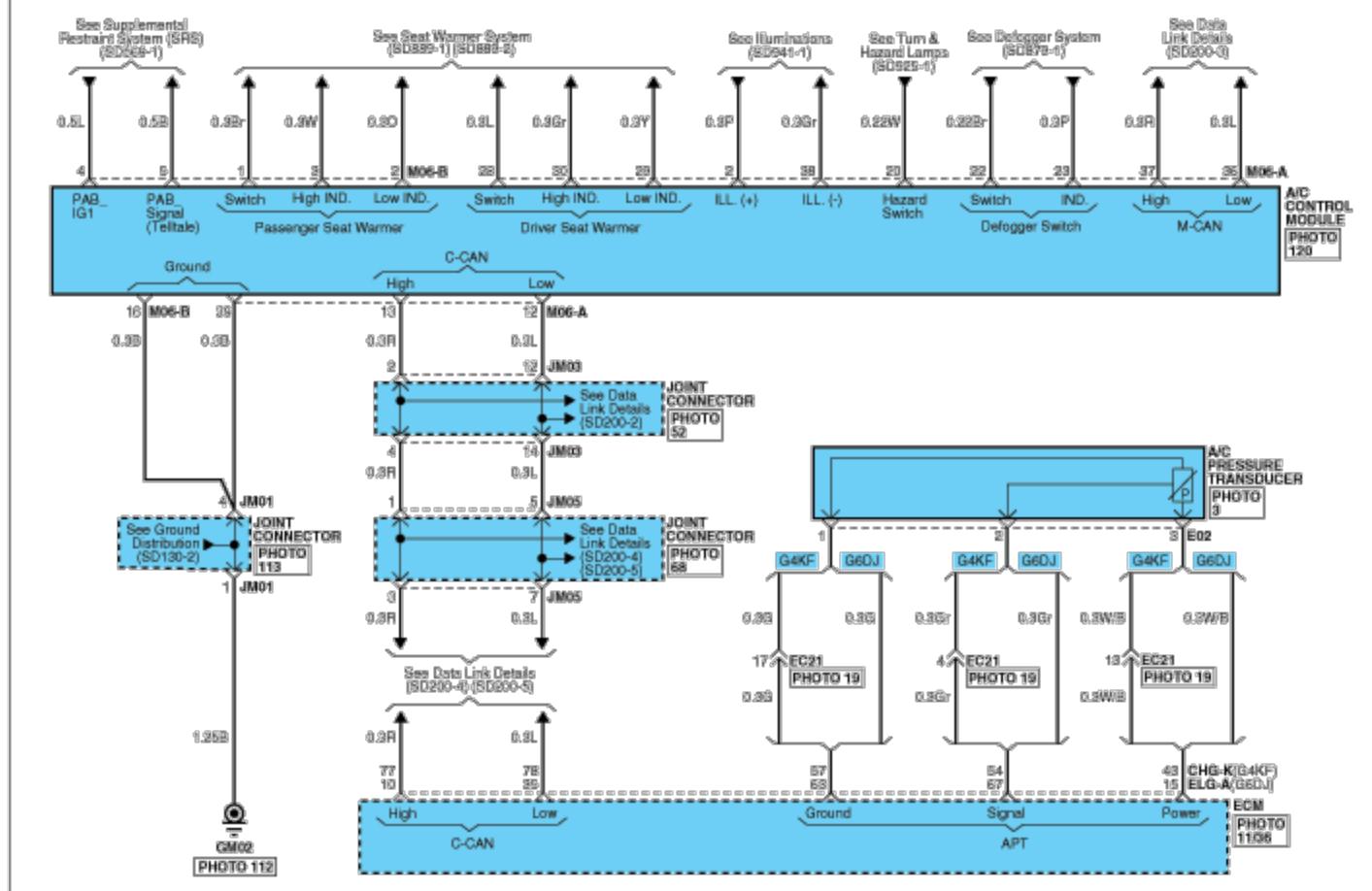
A/C Control System (Manual) (2)

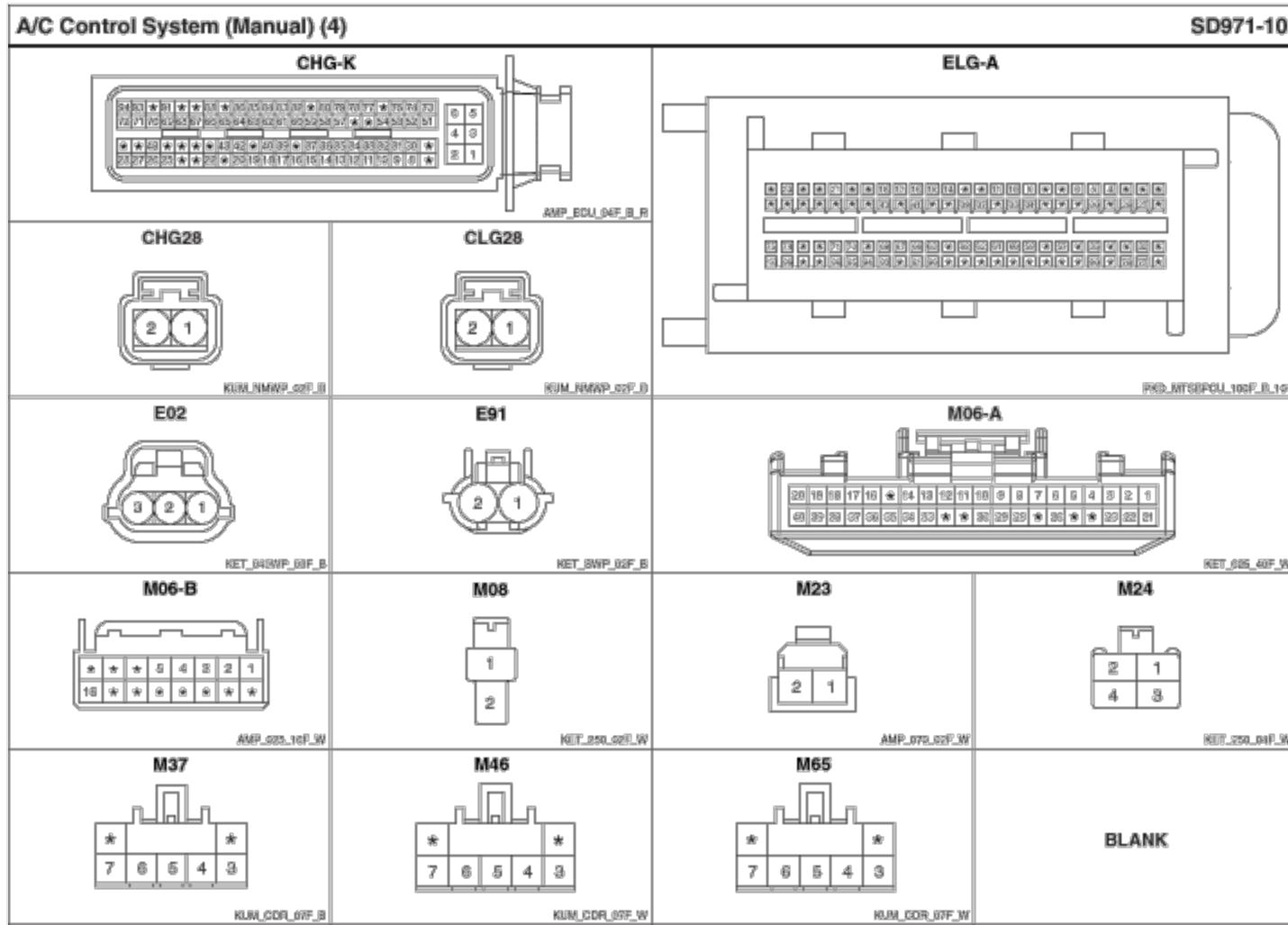
SD971-8



A/C Control System (Manual) (3)

SD971-9



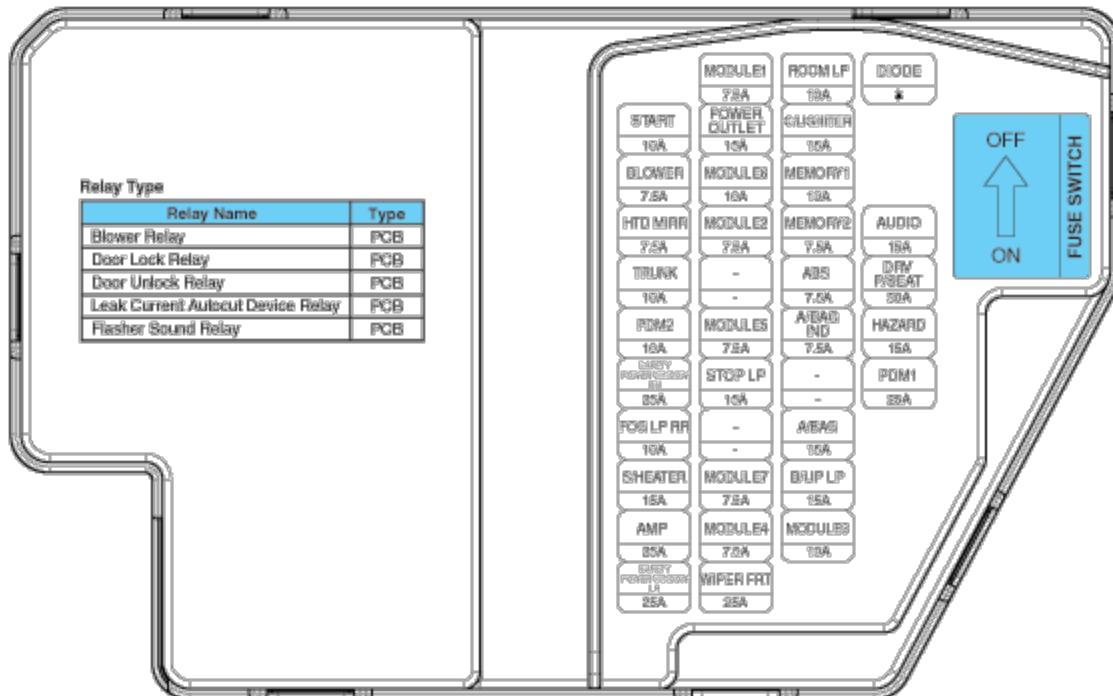


Schematic Diagrams

**Fuse & Relay Information**

Fuse & Relay Information (1)**SD100-1****Smart Junction Box**

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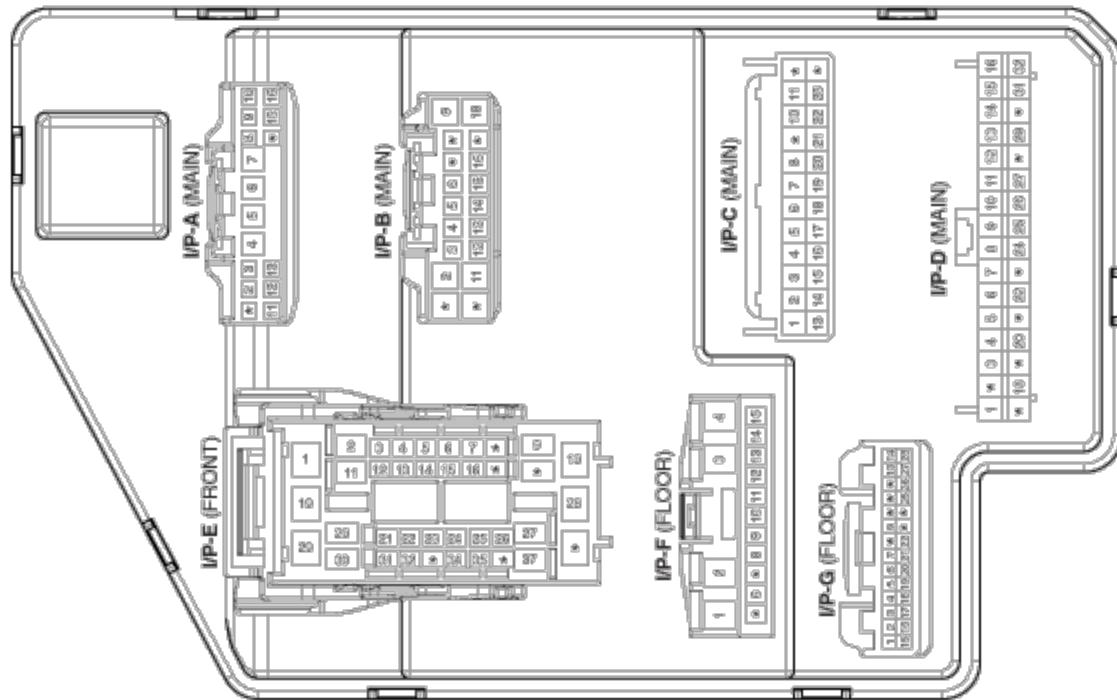
**※ USE THE DESIGNATED FUSE AND RELAY ONLY**

Fuse & Relay Information (2)

SD100-2

Smart Junction Box

< REAR >



※ USE THE DESIGNATED FUSE AND RELAY ONLY

Fuse & Relay Information (3)**SD100-3****Circuit (Smart Junction Box)**

Fuse Name	(A)	Circuit Protected
AUDIO	16A	Audio, A/V & Navigation Head Unit, Multi Gauge, Multi Monitor Front Monitor, MTS Module
DRY RSEAT	20A	Driver Seat Manual Switch, Driver Lumbar Support Switch
HAZARD	10A	BCM, Flasher Sound Relay
PDM1	20A	PDM
ROOM LP	10A	Driver/Passenger Door Lamp, Trunk Room Lamp Driver/Passenger Door Sill Lamp, Vanity Lamp LH/RH Map Lamp
BRIGHTER	10A	Front Power Outlet
MEMORY1	10A	BCM, Data Link Connector, Auto Light & Photo Sensor Ignition Key (LL & Door Warning Switch, Electro-Chromic Mirror Instrument Cluster (IND, MDCM), A/C Control Module Tire Pressure Monitoring Module)
MEMORY2	7.5A	RF Receiver
ABS	7.5A	E/J Junction Box LH Multipurpose Check Connector ESC Module, ESC & PAB Switch, Steering Angle Sensor
A/EAD IND	7.5A	Instrument Cluster (Air Bag IND.)
A/BAG	10A	EPS Control Module, A/C Control Module, PQDS Module
B/UPLF	15A	Back-Up Lamp Switch, TCM, Transcode Range Switch
MODULES	10A	BCM, PDM, Smart Key Control Module, Injector Drive Box (GDI)
MODULE1	7.5A	AMP, Audio, A/V & Navigation Head Unit, Multi Monitor, MTS Module Front Monitor, Map Lamp, Power Outside Mirror Switch
POWER OUTLET	10A	Console Power Outlet
MODULEs	10A	BCM, PDM, Smart Key Control Module

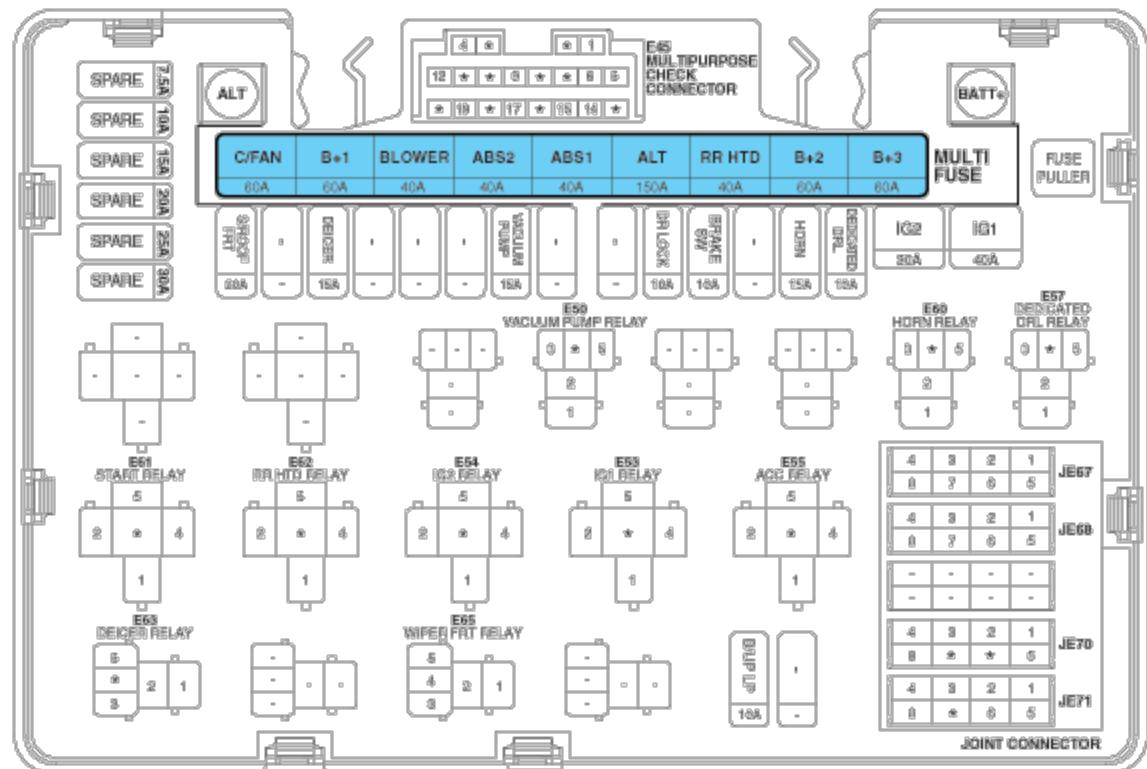
Fuse Name	(A)	Circuit Protected
MODULE2	7.5A	IPS Control Module, Instrument Cluster (IND, MDCM), BCM ATM Shift Lever IND, Multifunction Switch (Remote Control) Multi Gauge, Cruise Control Pedal Position Switch, A/C Control Module Auto Head Lamp Leveling Device Unit, Stop Lamp Switch Driver/Passenger Seat Warmer Module, Electro-Chromic Mirror MTS Module, Tire Pressure Monitoring Module Head Lamp Leveling Device Actuator LH/RH Front Parking Assist Sensor LH/RH Rear Parking Assist Sensor Side LH/RH Rear Parking Assist Sensor Center LH/RH
MODULE5	7.5A	Sport Mode Switch (WT), Key Beldam
STOP LP	15A	Stop Signal Relay
MODULE7	7.5A	Blower Relay, Sunroof Control Module, A/C Control Module Climate Control (Auto A/C)
MODULE4	7.5A	BCM, PDM, IPS Control Module, Vacuum Switch E/J Junction Box LH (Vacuum Pump Relay)
WIPER FR	25A	Multi Function Switch (Wiper), Front Wiper Motor E/J Junction Box LH (Wiper FR Relay)
START	10A	E/J Junction Box LH (Start Relay), Ignition Lock Switch, PDM Transcode Range Switch, ECU (GDI), E/Alarm Relay
BLOWER	7.5A	A/C Control Module
HTD MIRR	7.5A	A/C Control Module, Driver/Passenger Power Outside Mirror
TRUNK	10A	Trunk Lid & Fuel Filler Door Switch, ICM Relay Box (Trunk Lid Relay)
PDM2	10A	PDM, Smart Key Control Module, Start Stop Button Switch, FOB Holder
SAFETY POWER WINDOW RH	25A	Passenger Safety Power Window Module
FOB LP RR	10A	[Not Used]
SHOWER	15A	Driver/Passenger Seat Warmer Module
AMP	25A	AMP (HACONEL)
SAFETY POWER WINDOW LH	25A	Driver Safety Power Window Module

※ USE THE DESIGNATED FUSE AND RELAY ONLY

Fuse & Relay Information (4)

SD100-4

E/R Junction Box LH



Relay Type

NO.	Name	Type
E60	Vacuum Pump Relay	Plug Micro
E53	IG1 Relay	Plug Mini
E54	IG2 Relay	Plug Mini
E55	ACC Relay	Plug Mini
E57	Dedicated DRL Relay	Plug Micro
E60	Horn Relay	Plug Micro
E61	Start Relay	Plug Mini
E62	RR HTD Relay	Plug Mini
E63	Deicer Relay	Plug Micro
E65	Wiper FRT Relay	Plug Micro

※ USE THE DESIGNATED FUSE AND RELAY ONLY

Fuse & Relay Information (5)			SD100-5
Circuit (E/R Junction Box LH)			
Description		(A)	Circuit Protected
MULTI FUSE	C/FAN	60A	Cooling Fan (High) Relay, Cooling Fan (Low) Relay
	B+1	60A	Smart Junction Box ((Fuse : S/HEATER, AMP, SAFETY POWER WINDOW L/H/R/H), IPS 2, IPS Control Module)
	BLOWER	40A	Smart Junction Box (Blower Relay)
	ABS2	40A	Multipurpose Check Connector, ESC Module
	ABS1	40A	Multipurpose Check Connector, ESC Module
	ALT	150A	Alternator, Multi Fuse (ABS1, ABS2, BLOWER, B+1, C/FAN), Fuse (S/ROOF FRT, DEICER, VACUUM PUMP)
	RR HTD	40A	RR HTD Relay
	B+2	60A	Smart Junction Box ((Fuse : HAZARD, PDM1, MODULES, STOP LP, TRUNK, PDM2), IPS 1, ARISU 2, IPS Control Module)
	B+3	60A	Smart Junction Box ((Fuse : AUDIO, DRV P/SEAT, ROOM LP, MEMORY1, MEMORY2), ARISU 1, IPS Control Module Leak Current Autocut Device Switch, Leak Current Autocut Device Relay)
FUSE	IG2	30A	Start Relay, IG2 Relay, Ignition Switch
	IG1	40A	IG1 Relay, ACC Relay, Ignition Switch
	S/ROOF FRT	20A	Sunroof Control Module
	DEICER	15A	Deicer Relay
	VACUUM PUMP	15A	Vacuum Pump Relay (G4KF A/T)
	DR LOCK	10A	Smart Junction Box (Door Lock Relay, Door Unlock Relay), ICM Relay Box (Two Turn Unlock Relay)
	BRAKE SW	10A	Stop Lamp Switch
	HORN	15A	Horn Relay
	DEDICATED DRL	10A	Dedicated DRL Relay
	B/UP LP	10A	M/T - Back-Up Lamp Switch A/T - Rear Combination Lamp L/H/R/H, Electro Chroinic Mirror, A/V & Navigation Head Unit

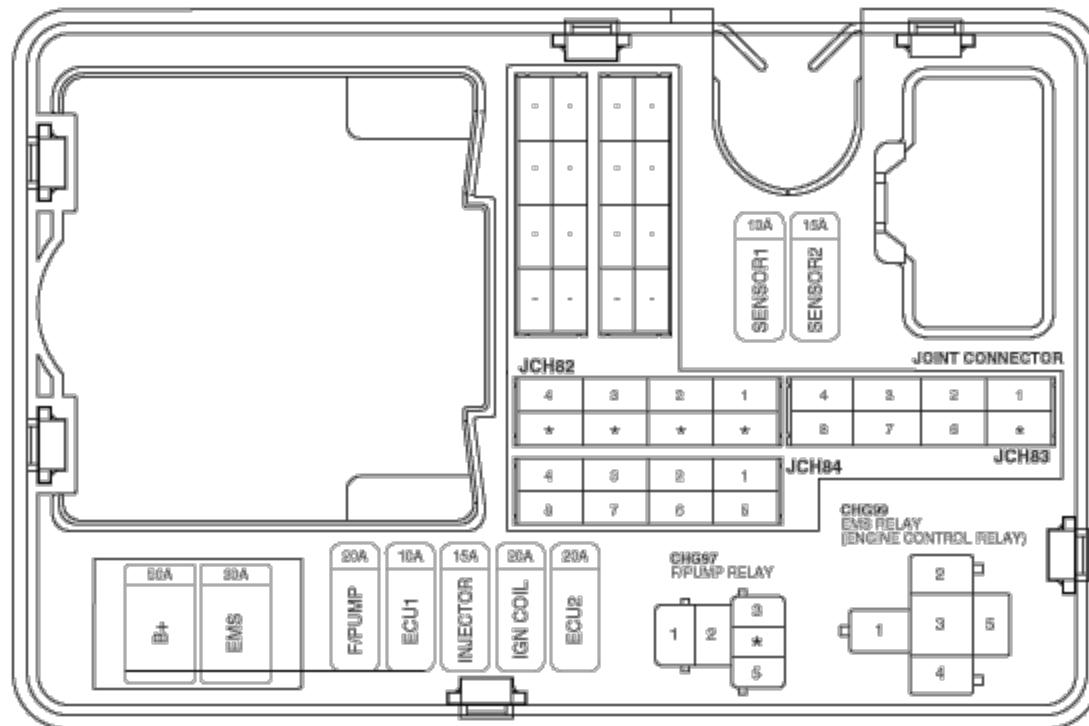
※ USE THE DESIGNATED FUSE AND RELAY ONLY

Fuse & Relay Information (6)

SD100-6

E/R Junction Box RH

G4KF : THETA 2.0L TCI



※ USE THE DESIGNATED FUSE AND RELAY ONLY

Relay Type

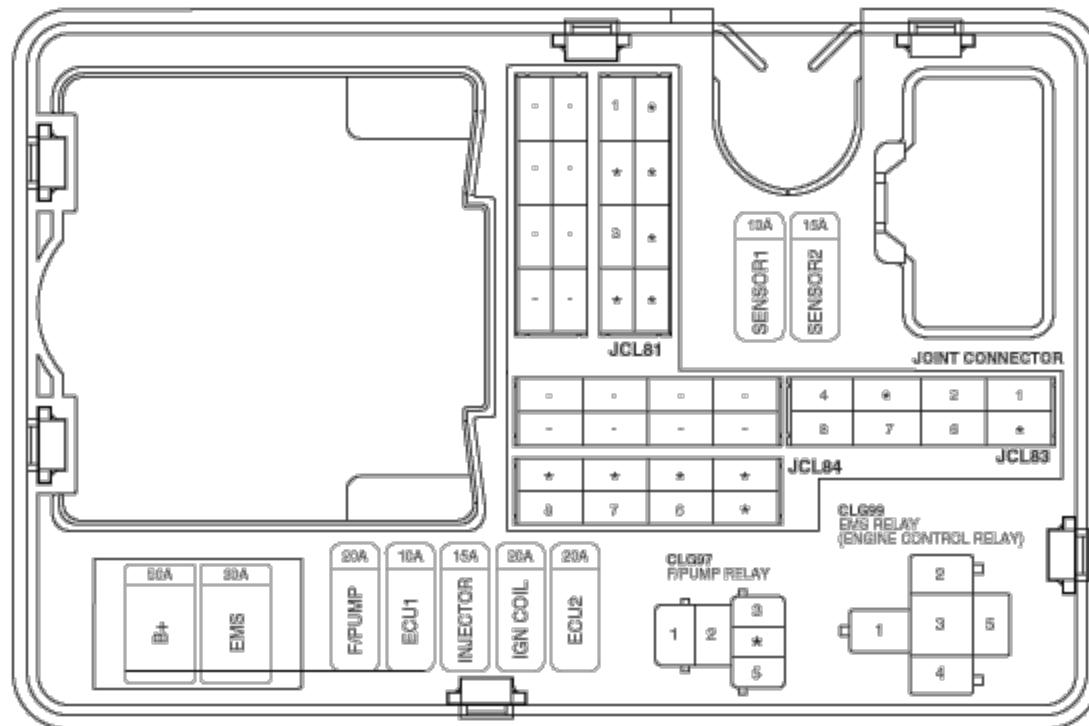
NO.	Name	Type
CHG97	FiPump Relay	Plug Micro
CHG99	Engine Control Relay	Plug Mini

Fuse & Relay Information (7)

SD100-7

E/R Junction Box RH

G6DJ : LAMBDA II 3.8L GDI



※ USE THE DESIGNATED FUSE AND RELAY ONLY

Relay Type

NO.	Name	Type
CLG87	FIPump Relay	Plug Micro
CLG89	Engine Control Relay	Plug Mini

Fuse & Relay Information (8)			SD100-8
Circuit (E/R Junction Box RH)			
Fuse Name	(A)	Circuit Protected	
B+	50A	Fuse (EMS 30A, ECU1 10A, F/PUMP 20A)	
EMS	30A	Engine Control Relay	
F/PUMP	20A	F/Pump Relay	
ECU 1	10A	G4KF	ECM, TCM
		G6DJ	ECM, TCM, Injector Drive Box
INJECTOR	15A	G4KF	F/Pump Relay, Injector #1/#2/#3/#4
		G6DJ	F/Pump Relay, Fuel Pump Relay (Low), ECM
IGN COIL	20A	G4KF	Ignition Coil #1/#2/#3/#4, Condenser
		G6DJ	Ignition Coil #1/#2/#3/#4/#5/#6, Condenser #1/#2
ECU 2	20A	G4KF	ECM
		G6DJ	Injector Drive Box
SENSOR 1	10A	G4KF	Cooling Fan (High)/(Low) Relay, Oxygen Sensor (Up)/(Down)
		G6DJ	Cooling Fan (High)/(Low) Relay, ECM, Oxygen Sensor #1/#2/#3/#4
SENSOR 2	15A	G4KF	Camshaft Position Sensor #1/#2, RCV Control Solenoid Valve, Immobilizer Module, Canister Close Valve Purge Control Solenoid Valve, Crankshaft Position Sensor, Oil Control Valve #1/#2
		G6DJ	ECM, Oil Control Valve #1/#2/#3/#4, Purge Control Solenoid Valve, Immobilizer Module, Canister Close Valve

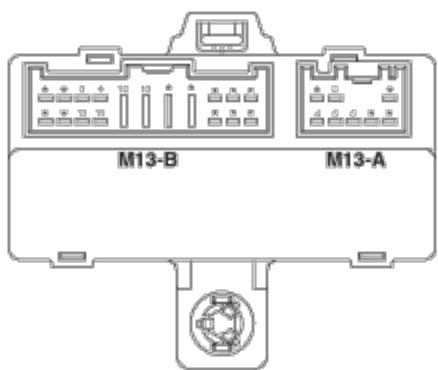
※ USE THE DESIGNATED FUSE AND RELAY ONLY

Fuse & Relay Information (9)

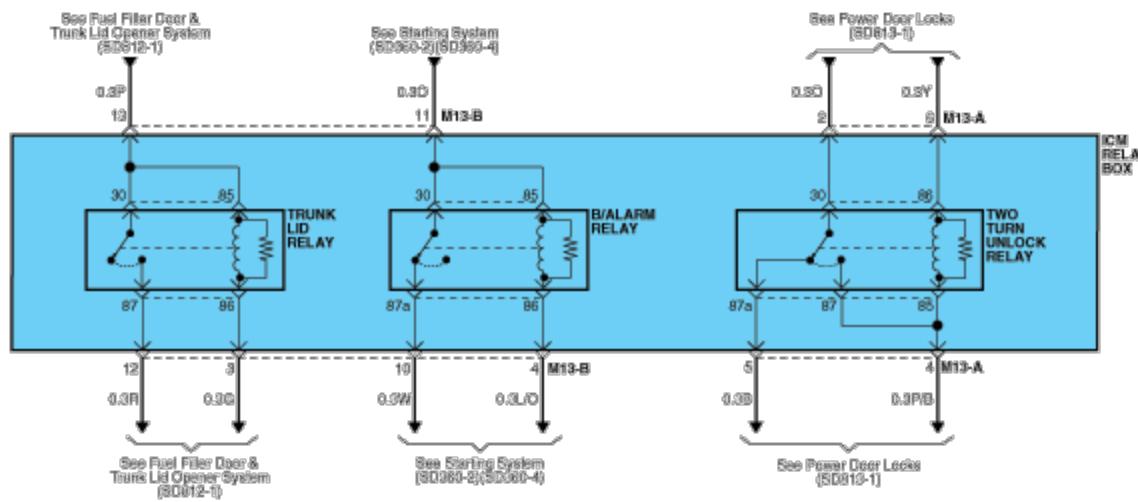
SD100-9

ICM Relay Box

- Layout



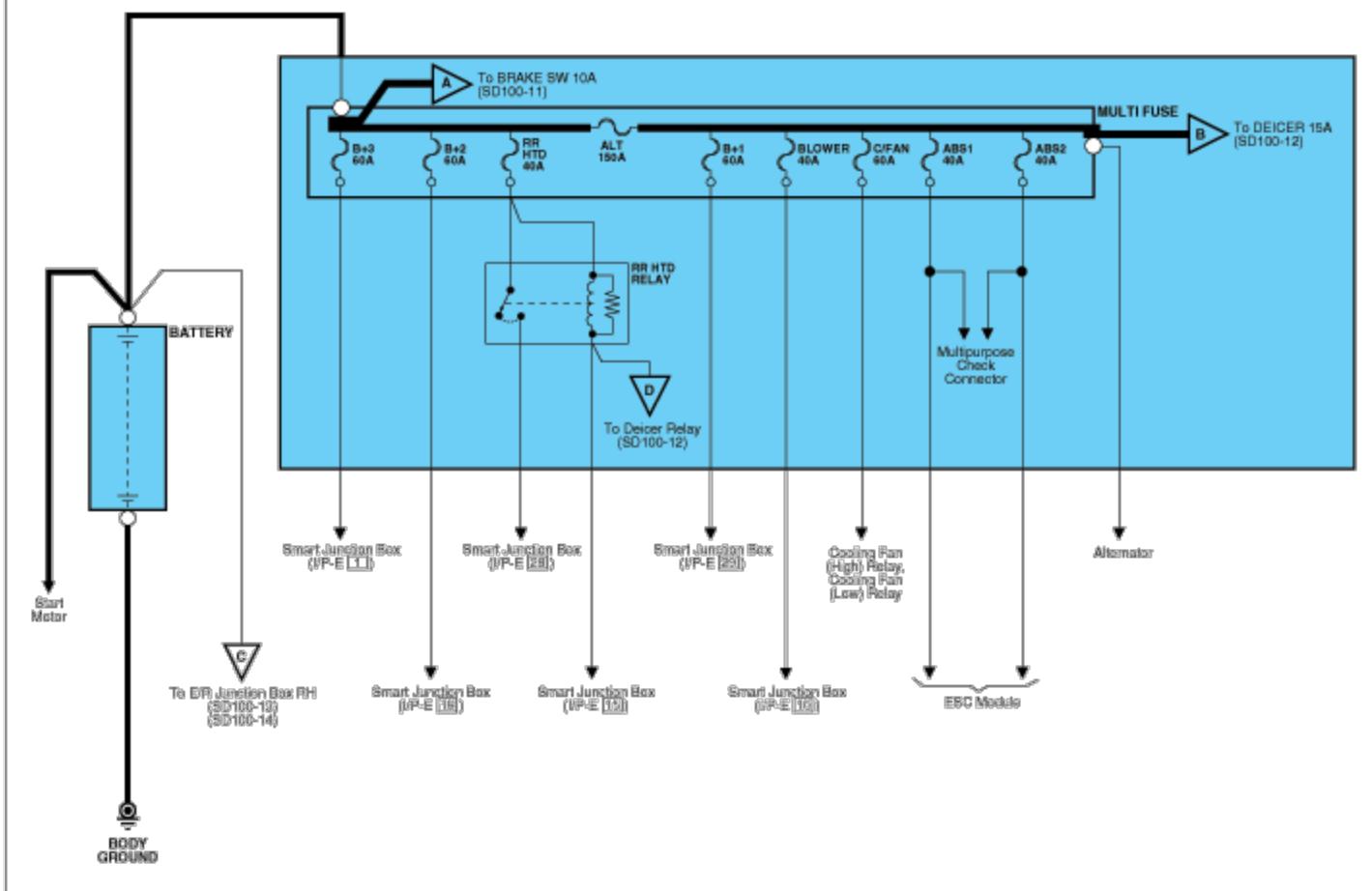
- Circuit



Fuse & Relay Information (10)

SD100-10

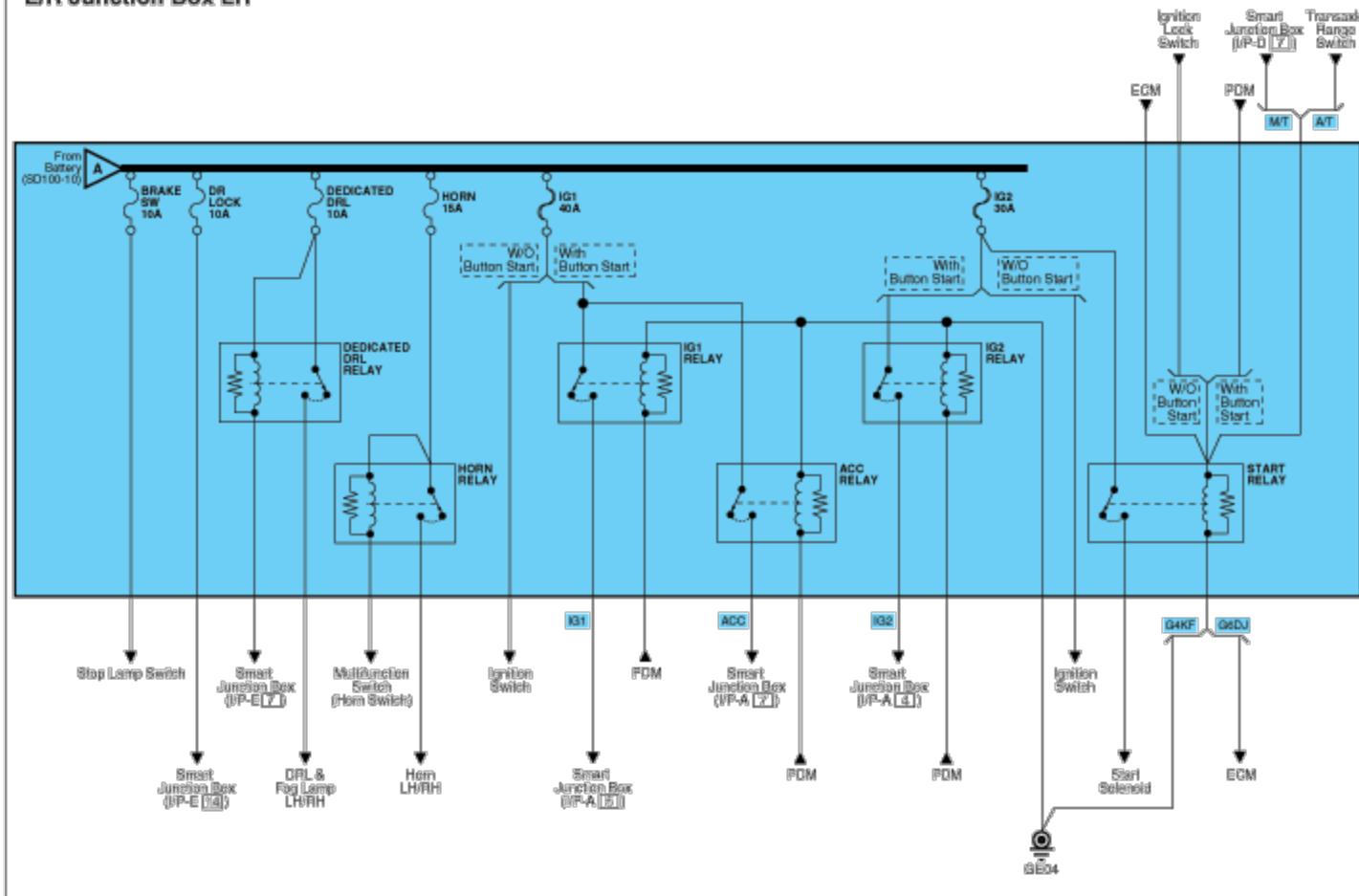
E/R Junction Box LH

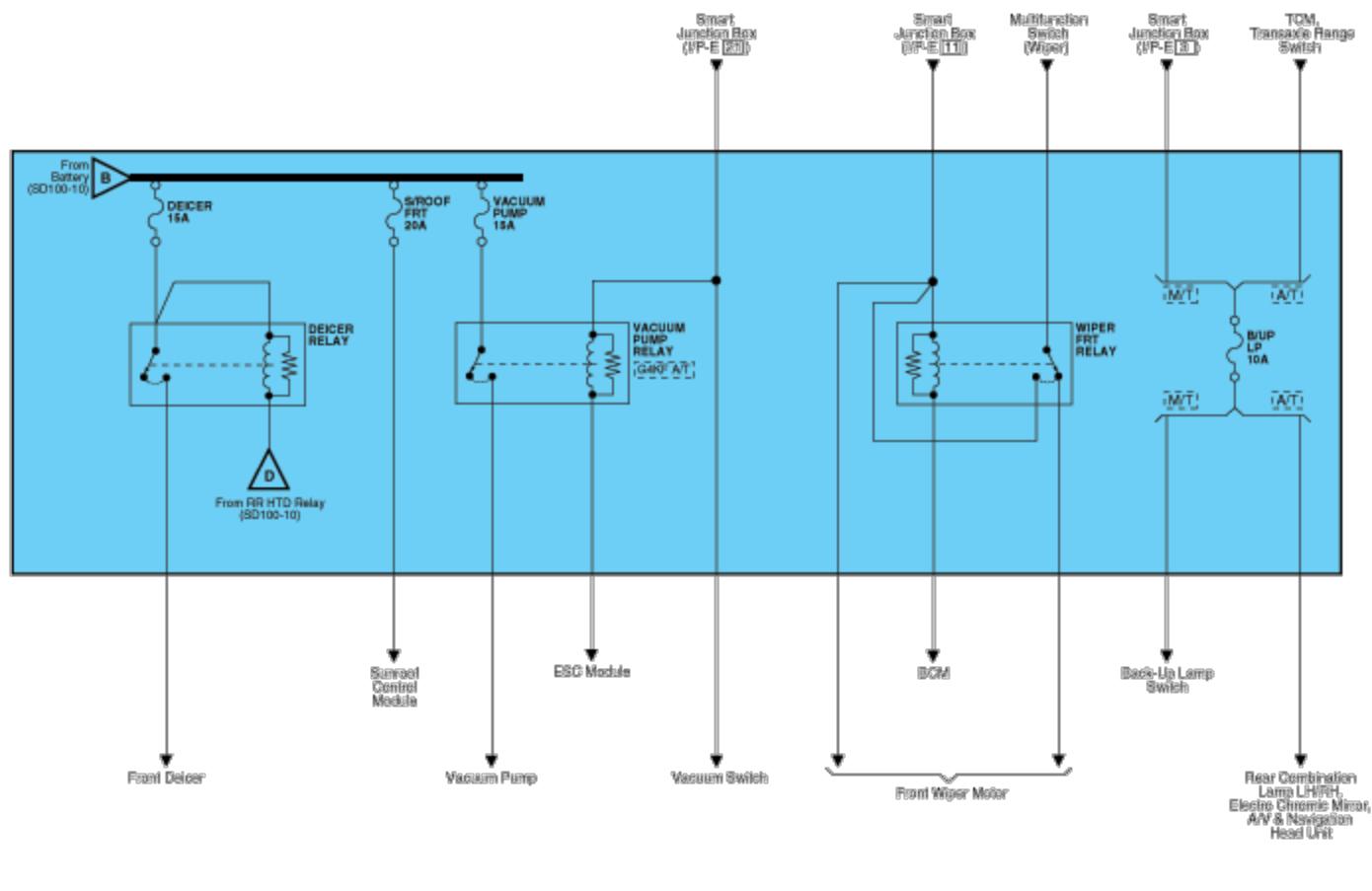


Fuse & Relay Information (11)

SD100-11

E/R Junction Box LH

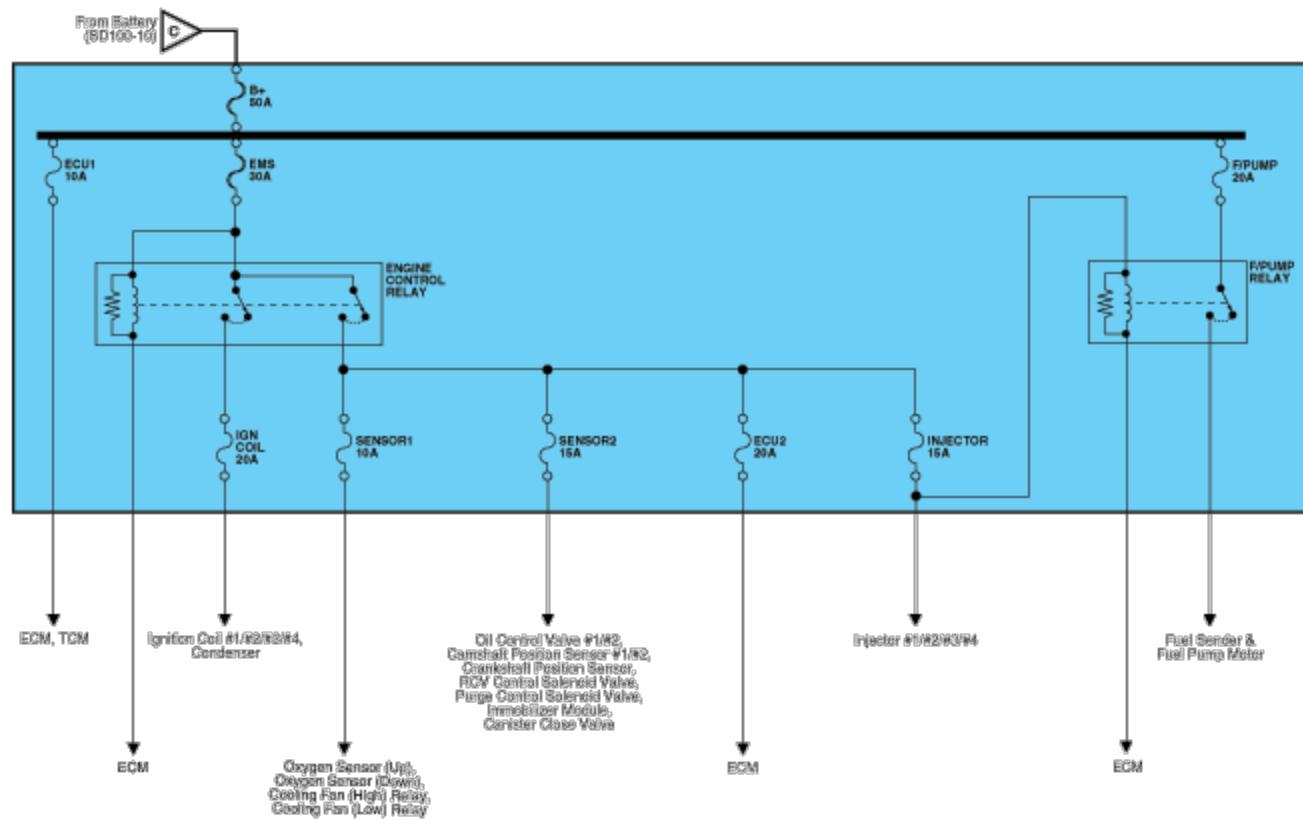


Fuse & Relay Information (12)**SD100-12****E/R Junction Box LH**

Fuse & Relay Information (13)

SD100-13

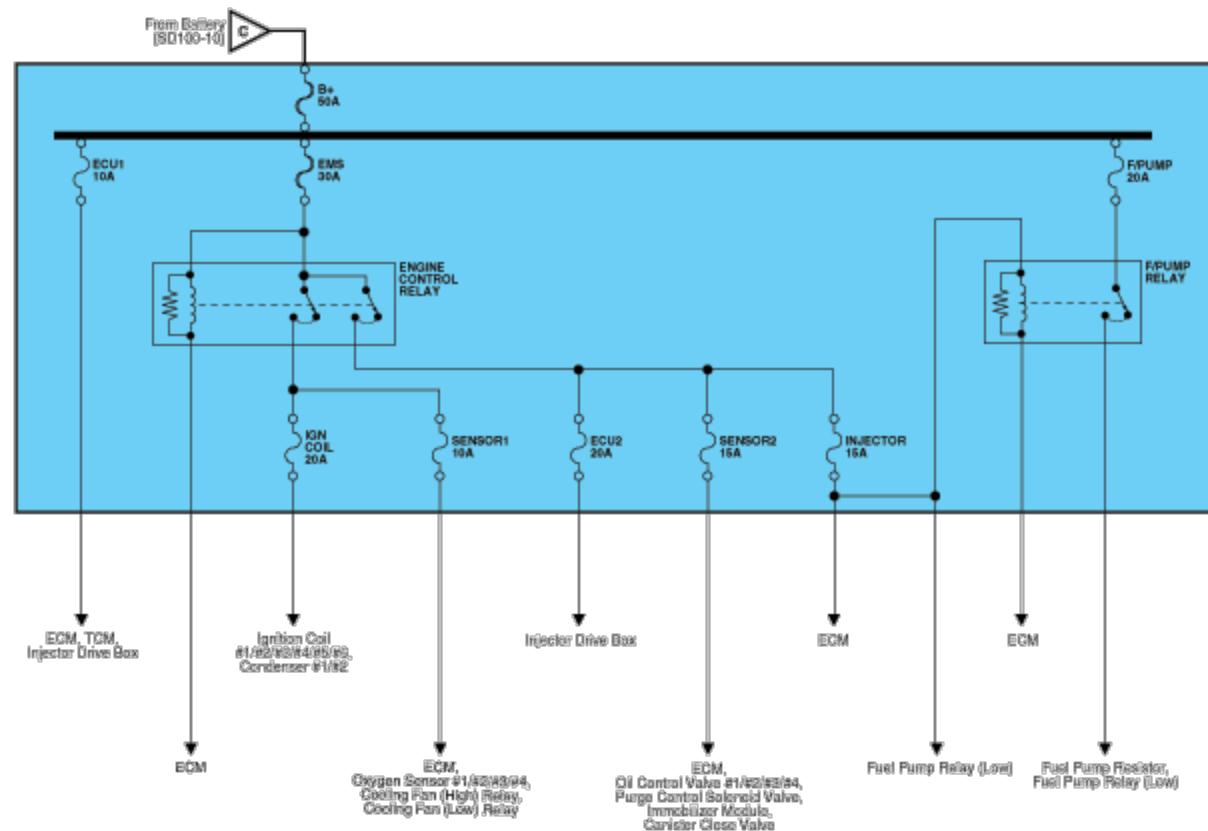
E/R Junction Box RH (G4KF : THETA 2.0L TCI)



Fuse & Relay Information (14)

SD100-14

E/R Junction Box RH (G6DJ : LAMBDA II 3.8L GDI)



Schematic Diagrams

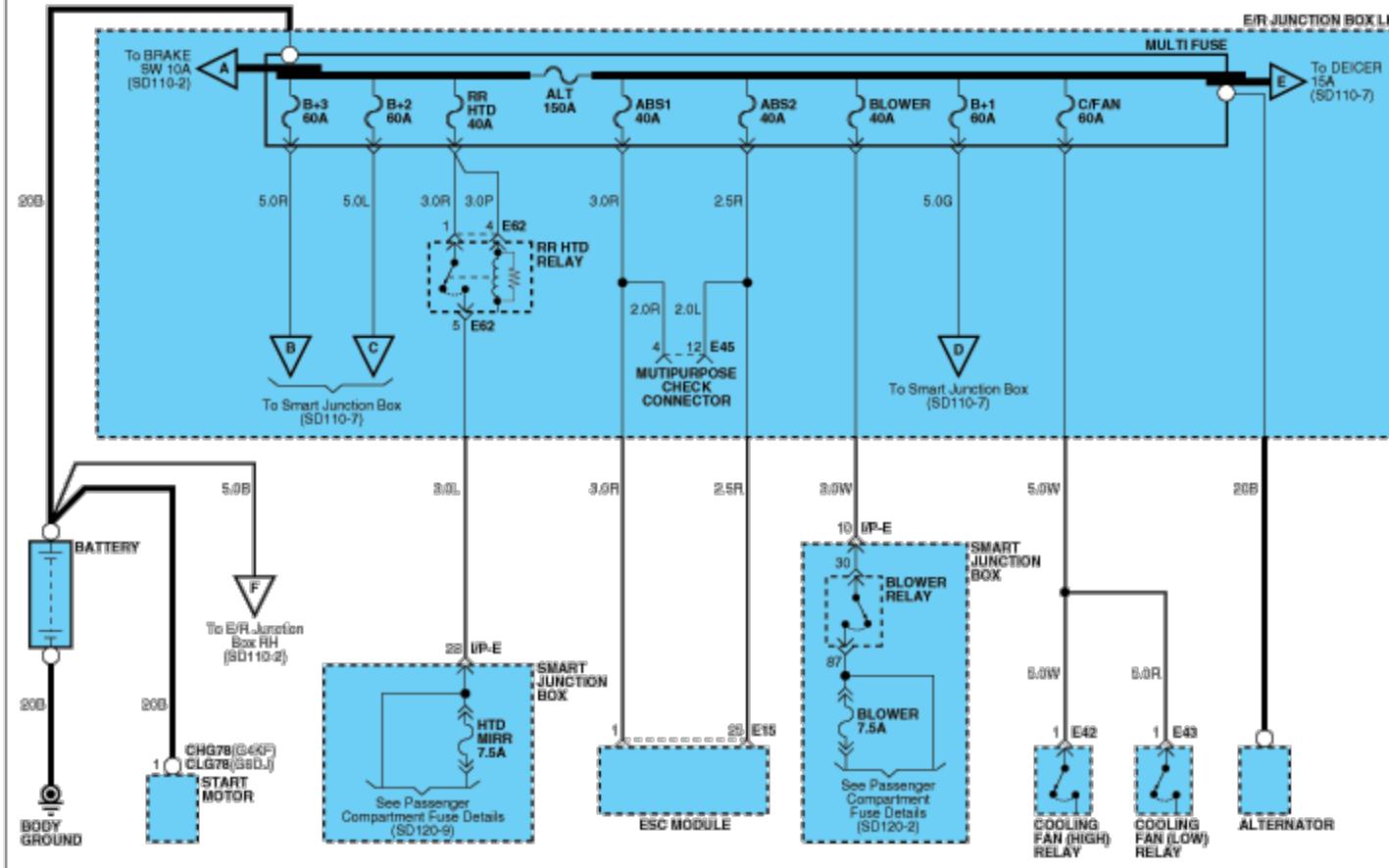


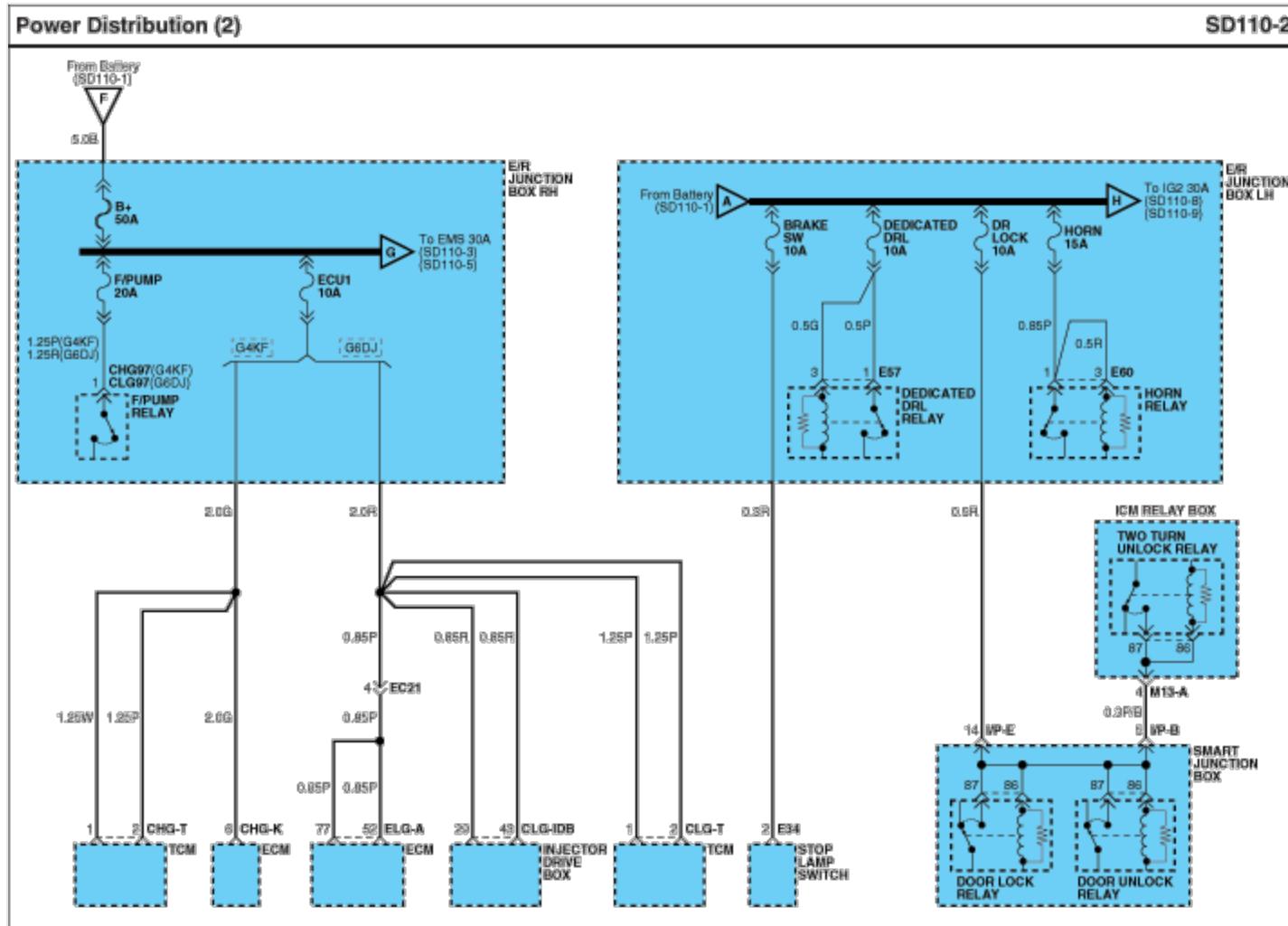
Power Distribution

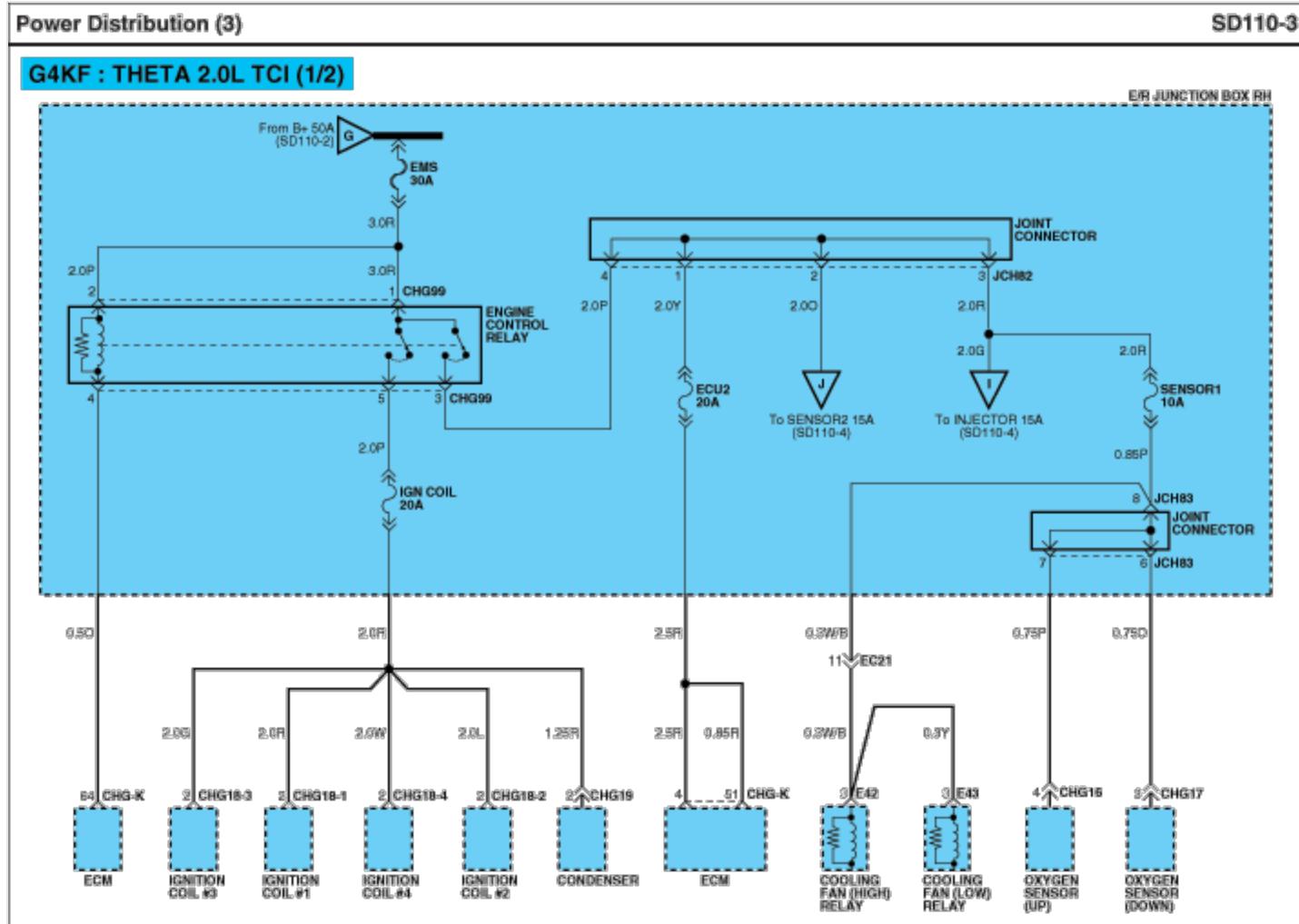
Power Distribution (1)

SD110-1

G4KF : THETA 2.0L TCI
 G6DJ : LAMBDA II 3.8L GDI



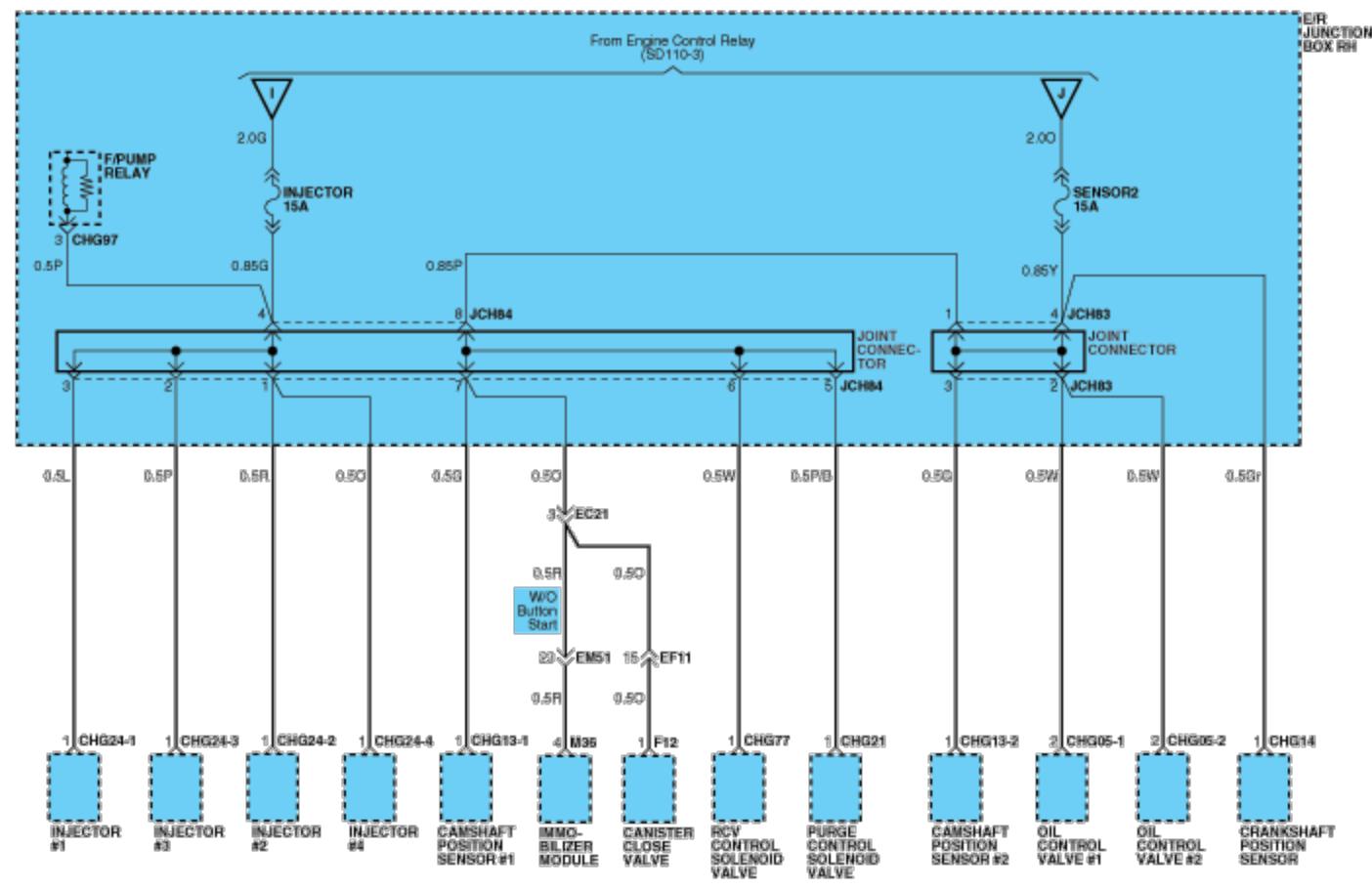




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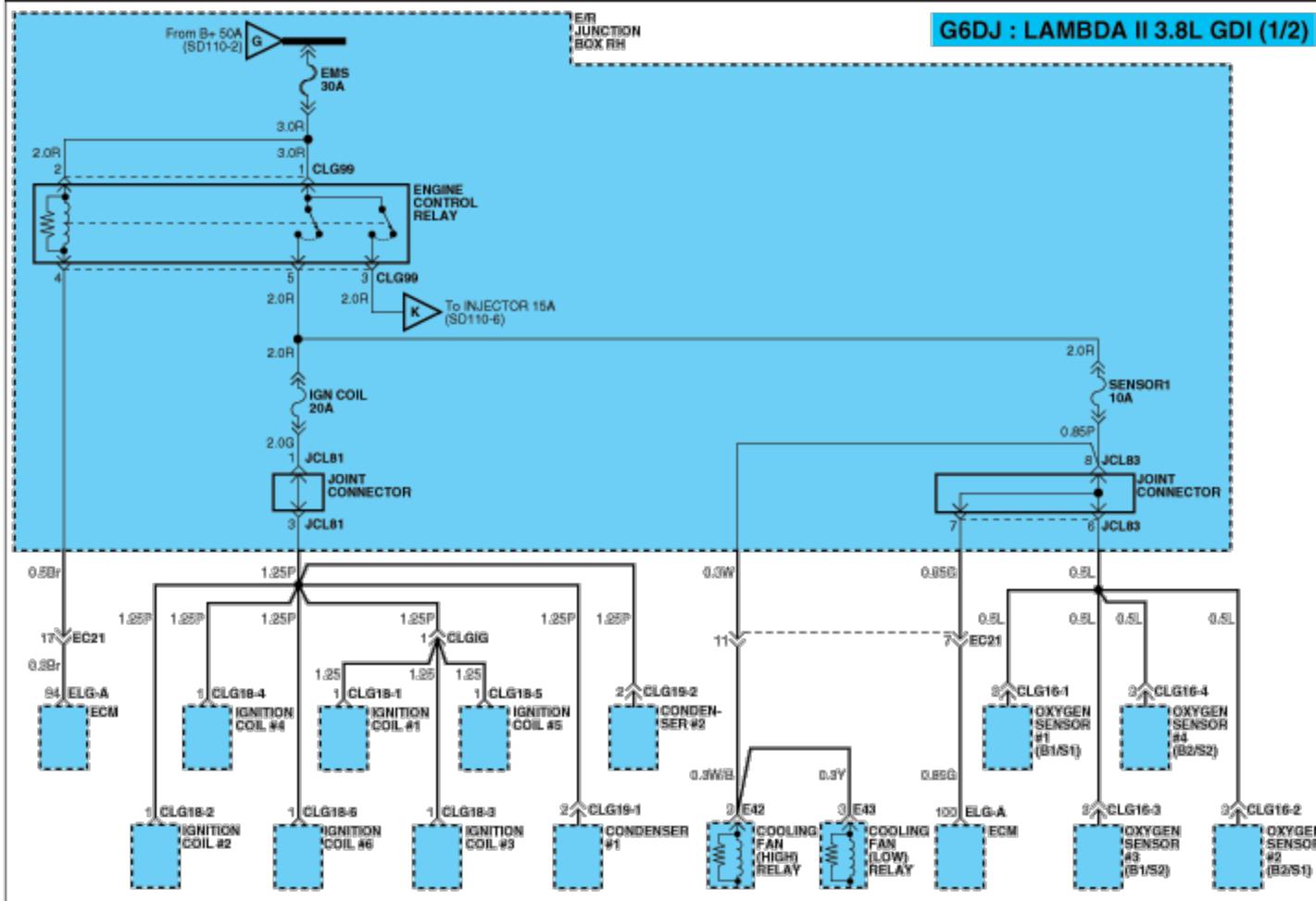
SD110-4

G4KF : THETA 2.0L TCI (2/2)



Power Distribution (5)

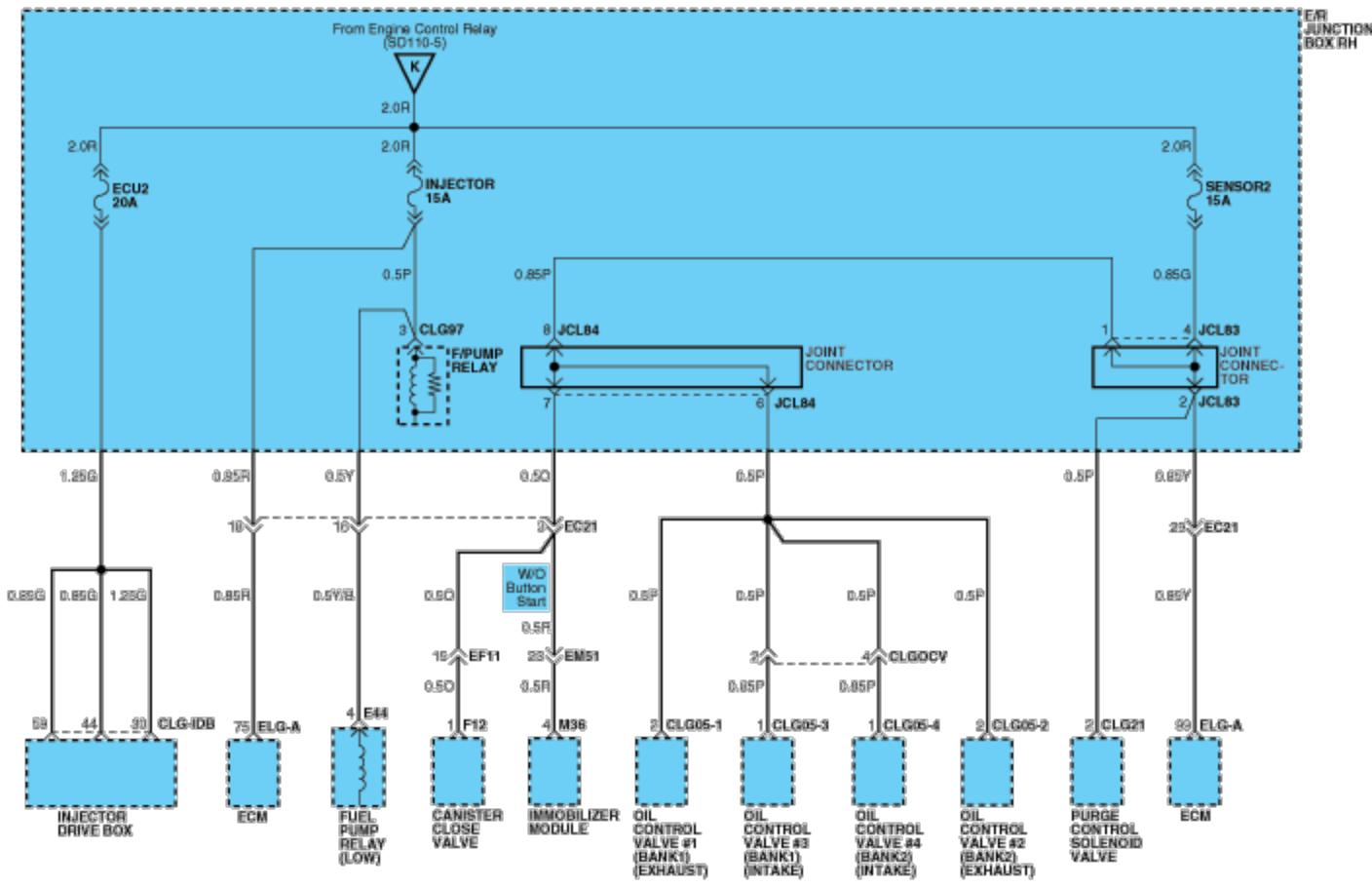
SD110-5



Power Distribution (6)

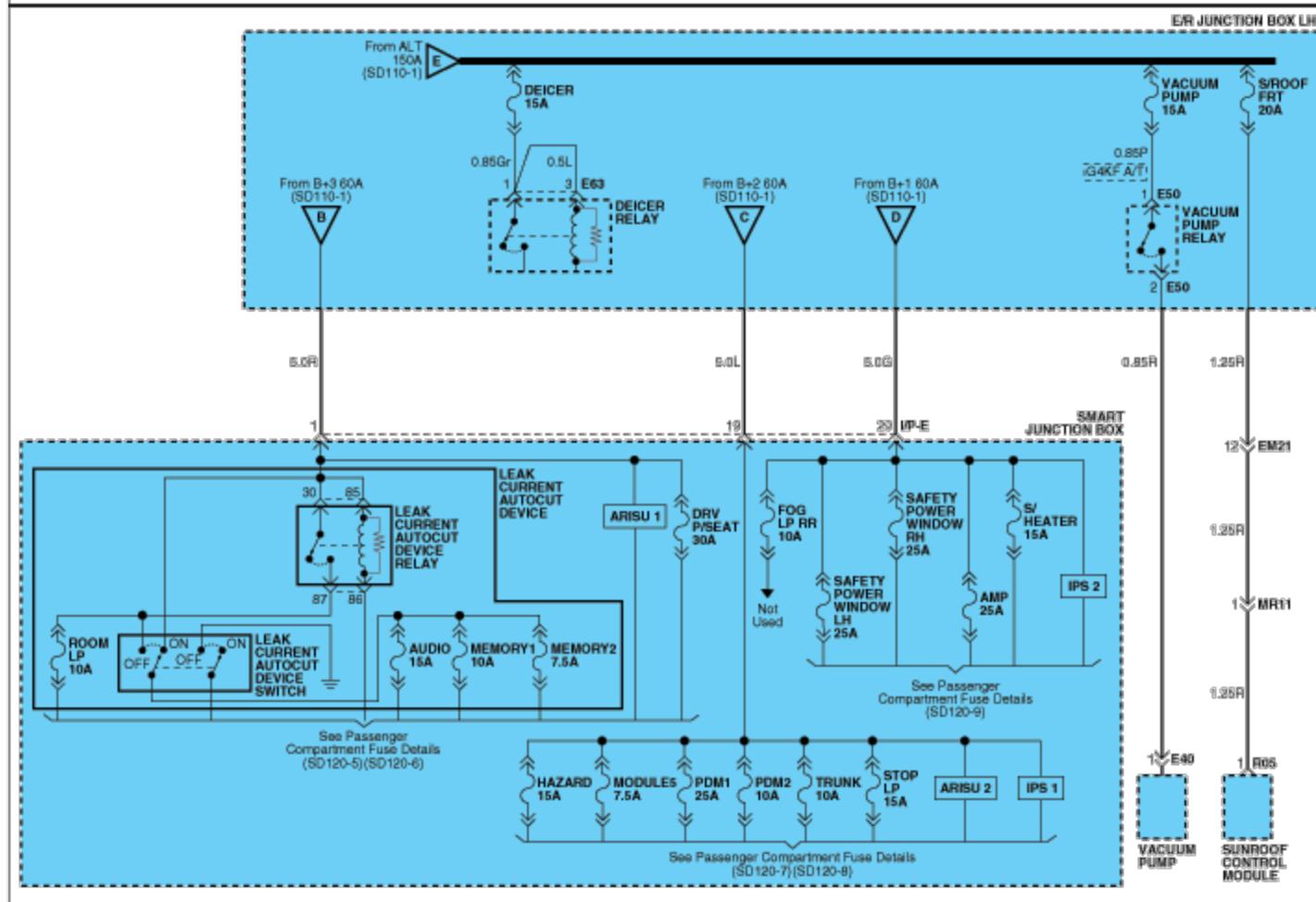
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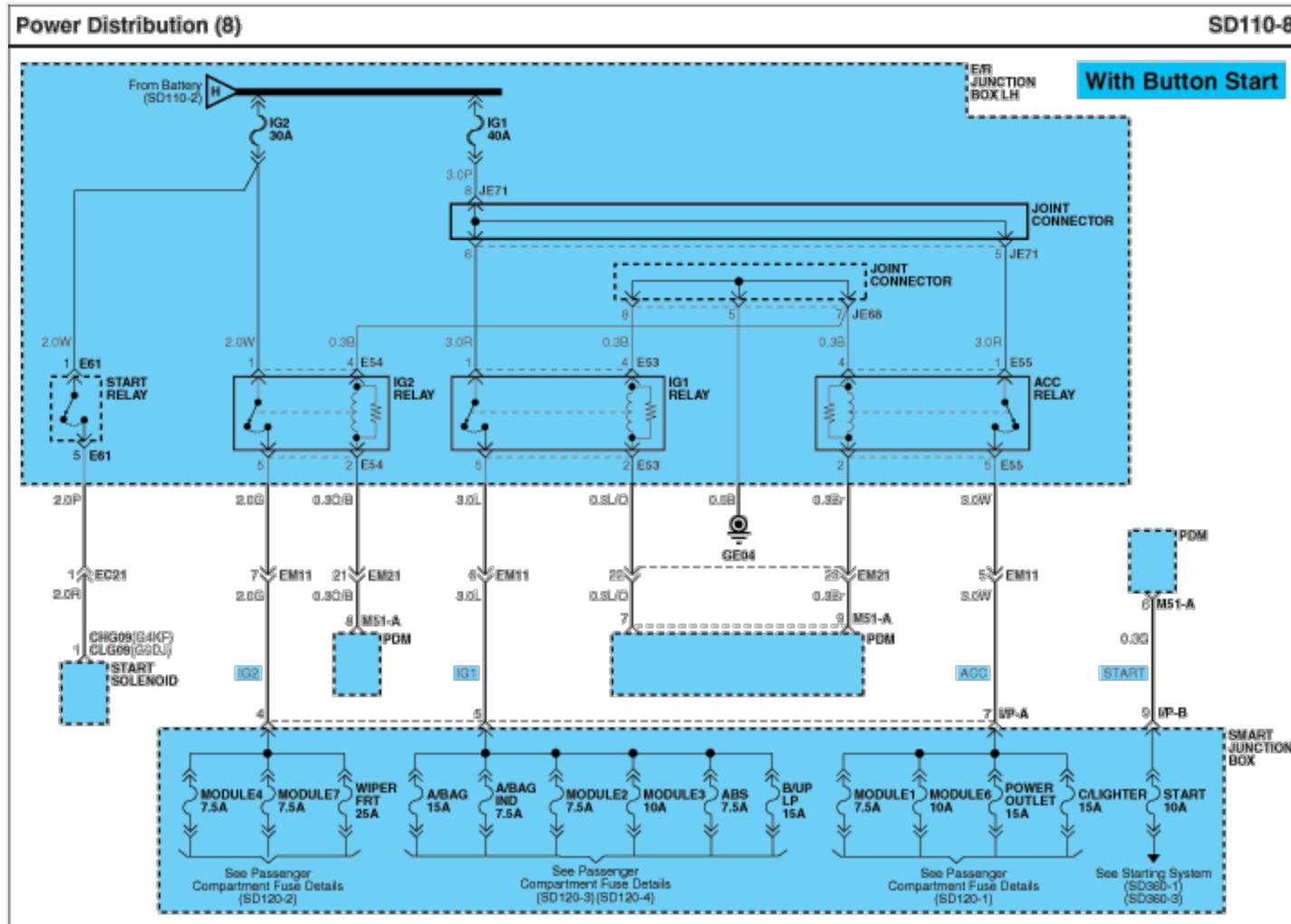
G6DJ : LAMBDA II 3.8L GDI (2/2)



Power Distribution (7)

SD110-7

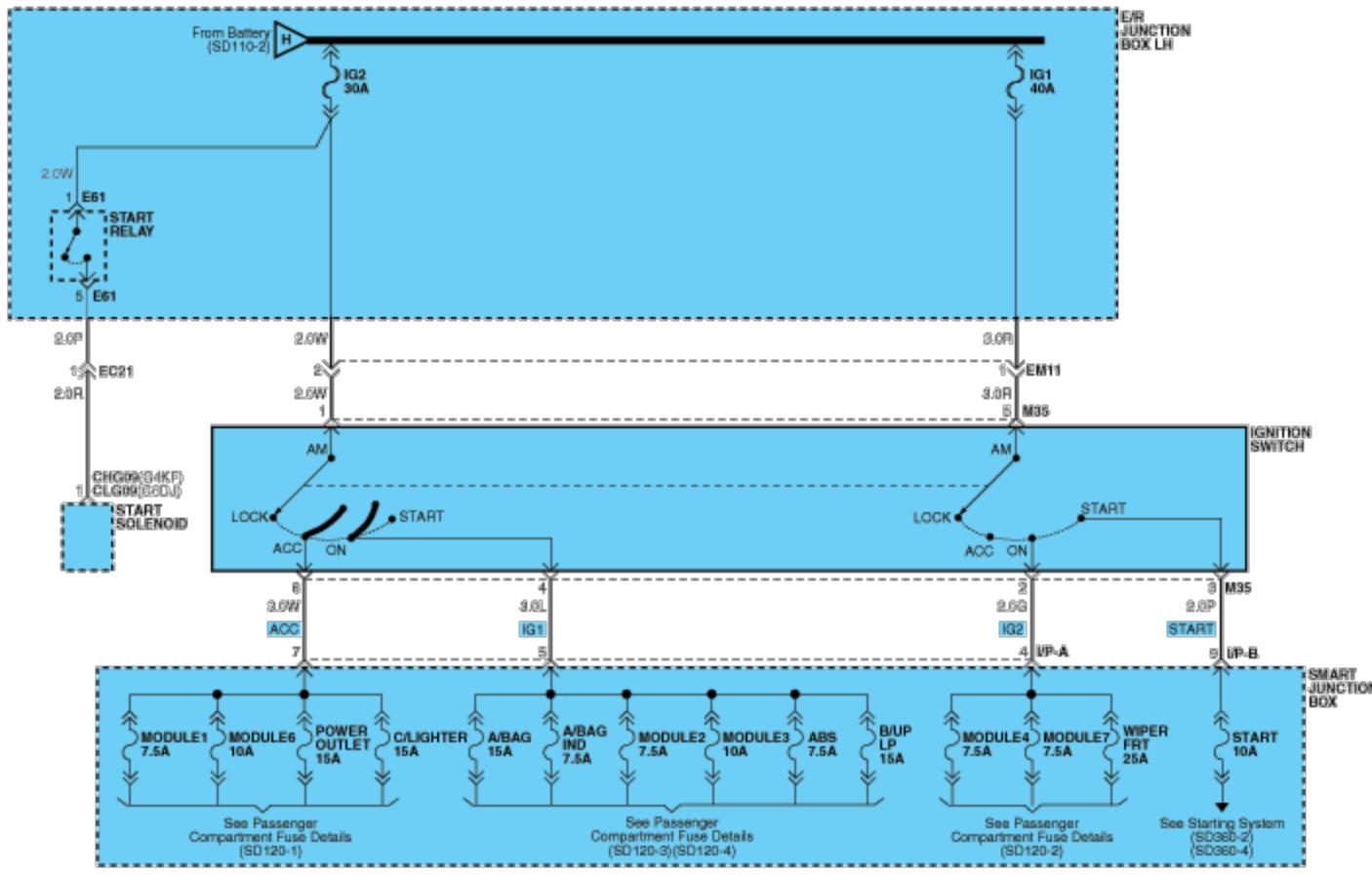




Power Distribution (9)

SD110-9

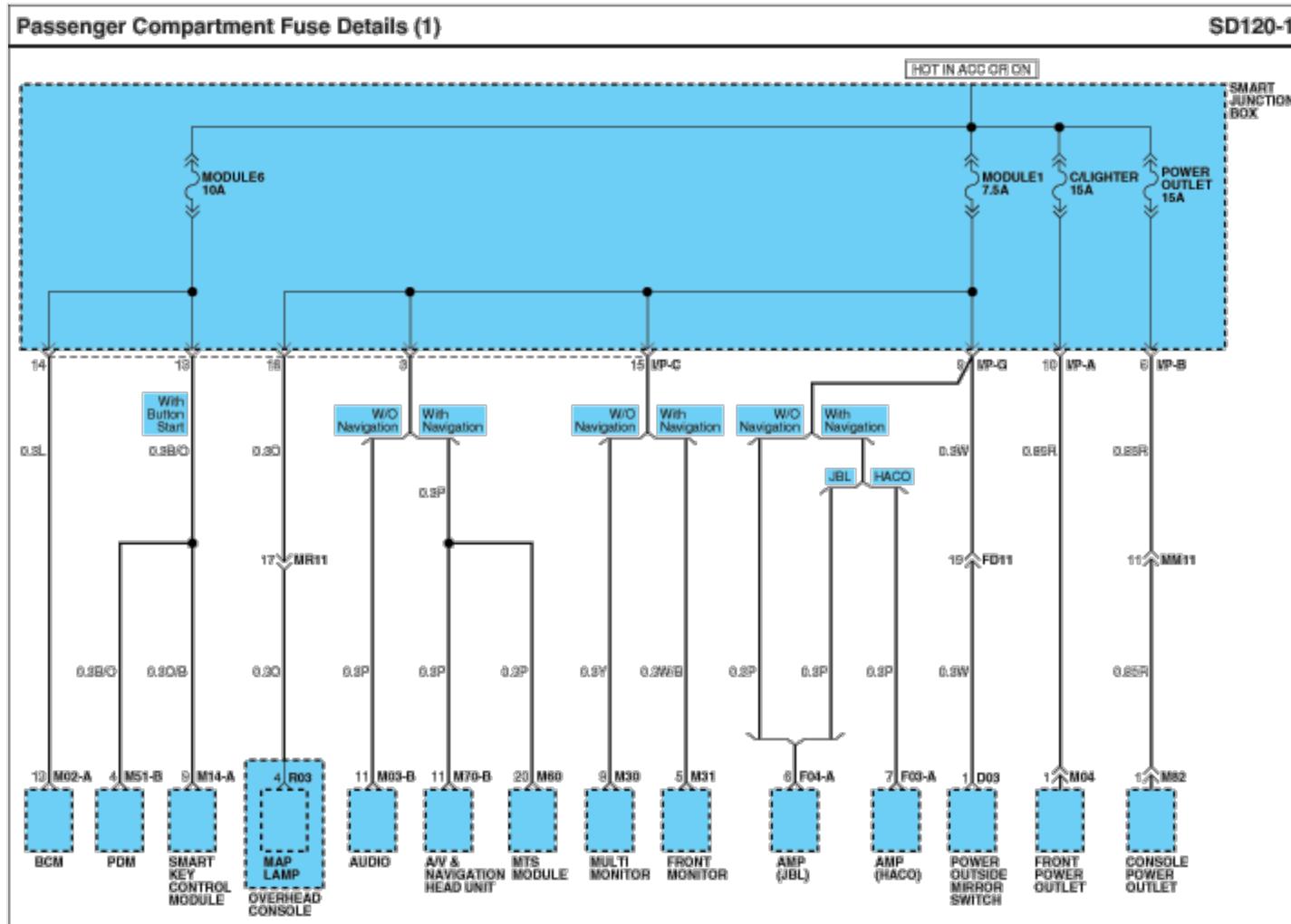
W/O Button Start

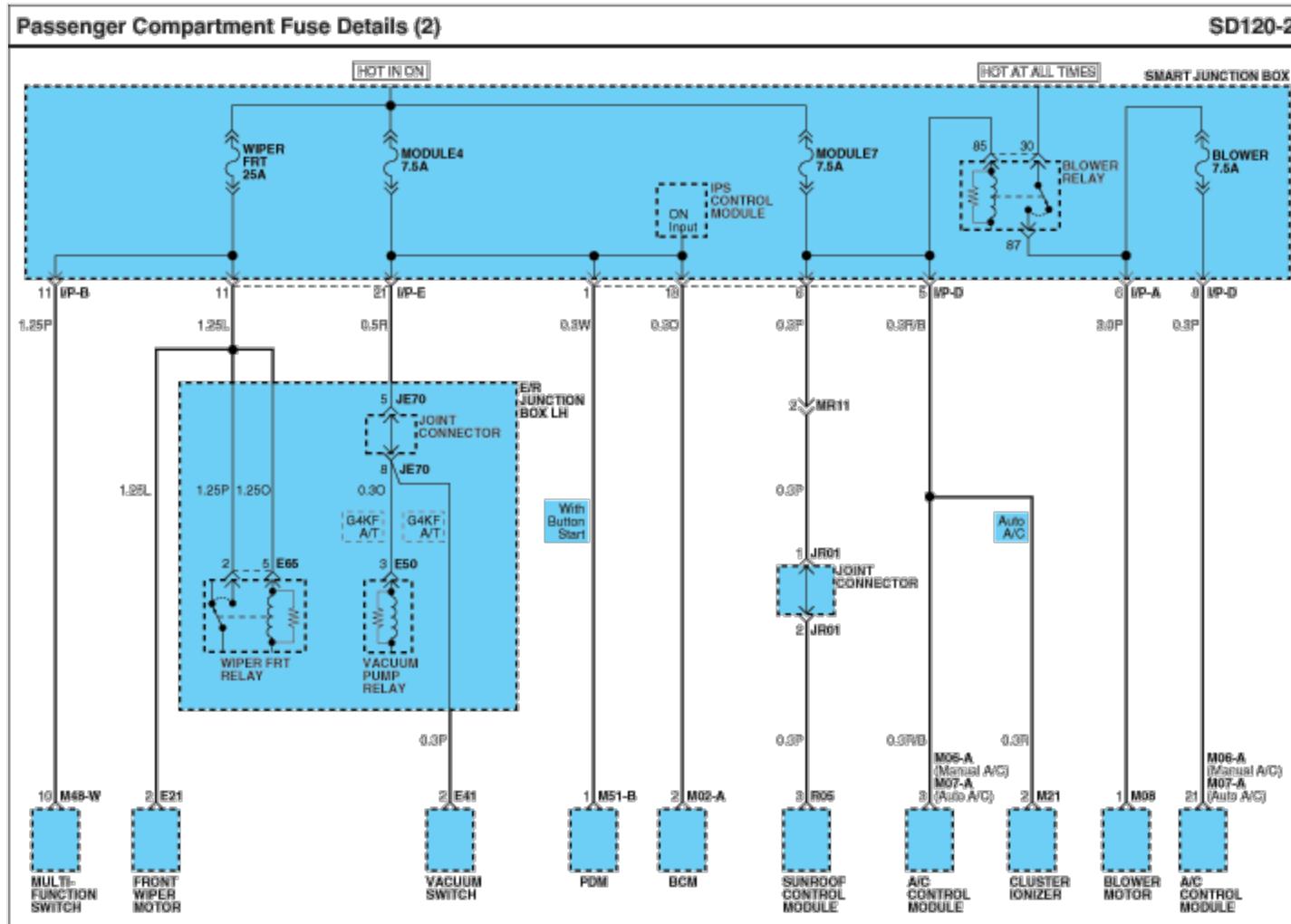


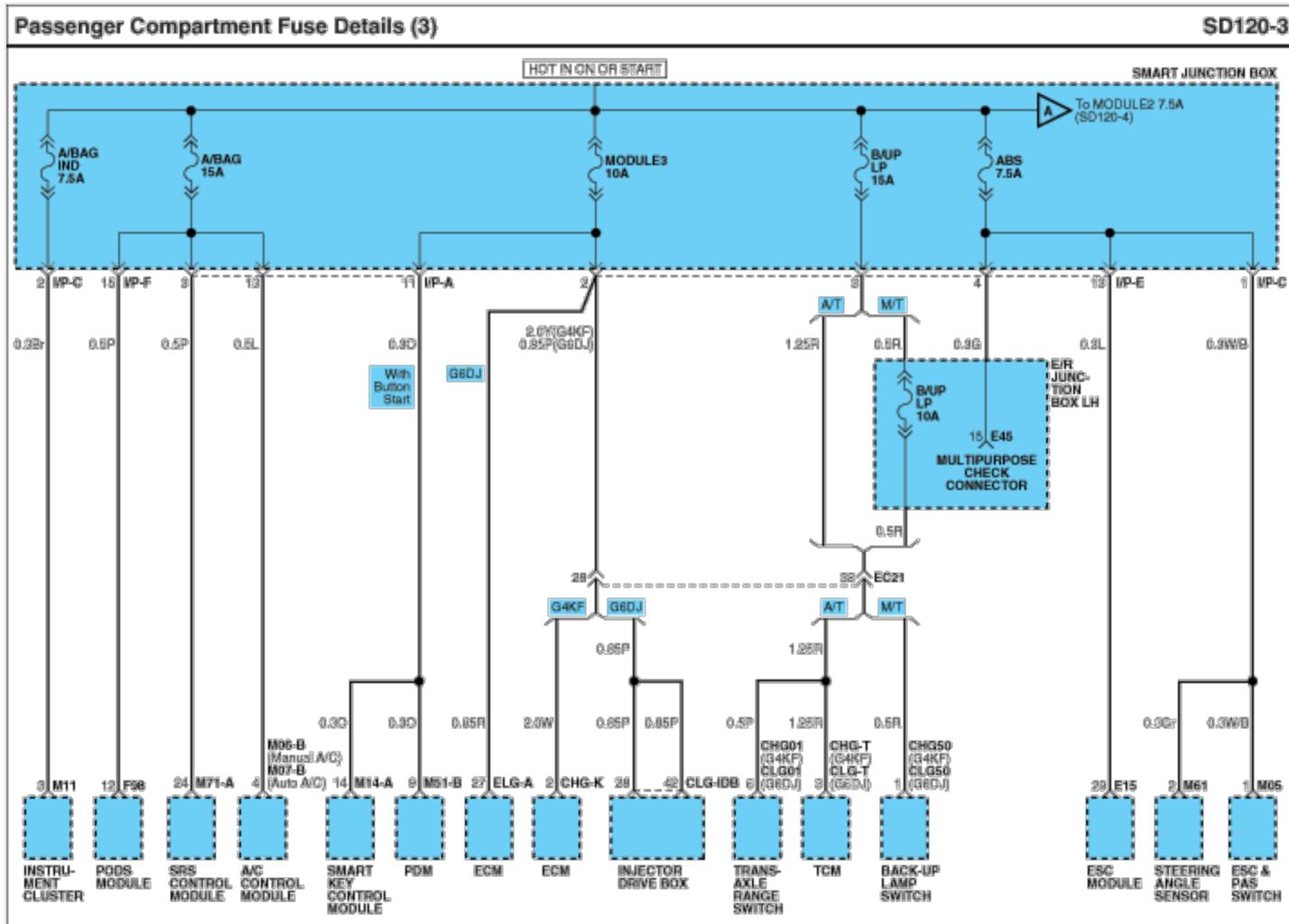
Schematic Diagrams

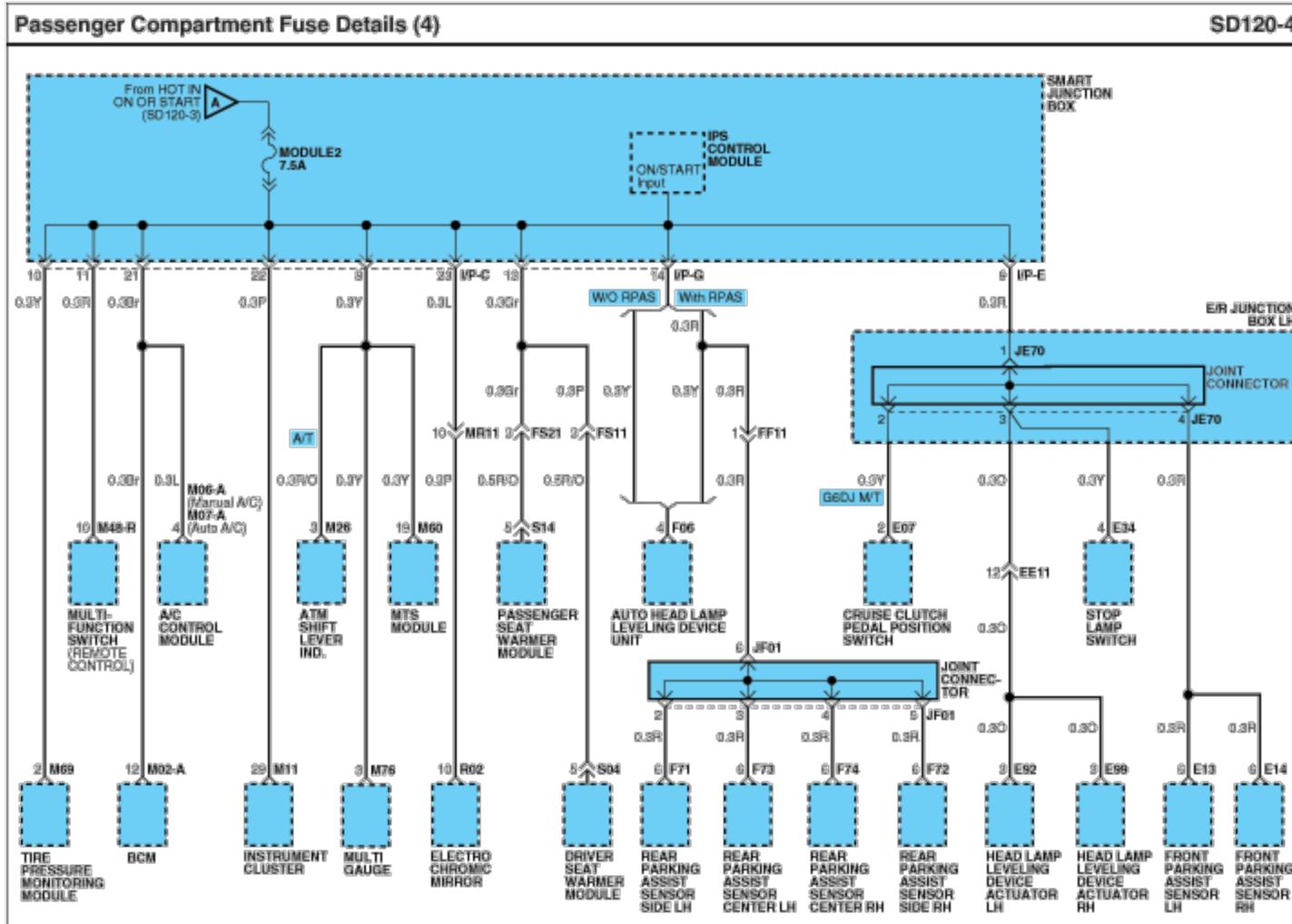


Passenger Compartment Fuse Details



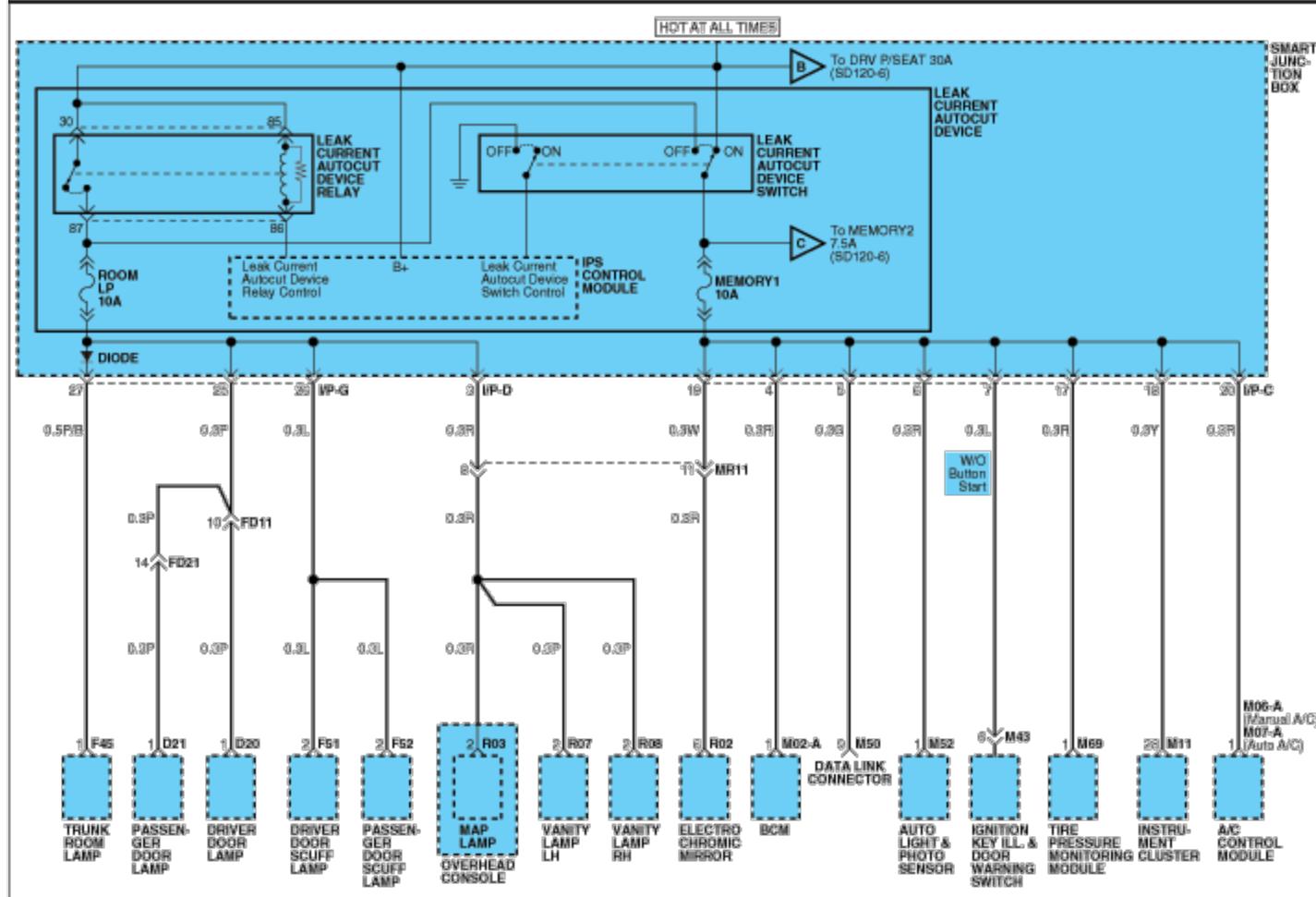






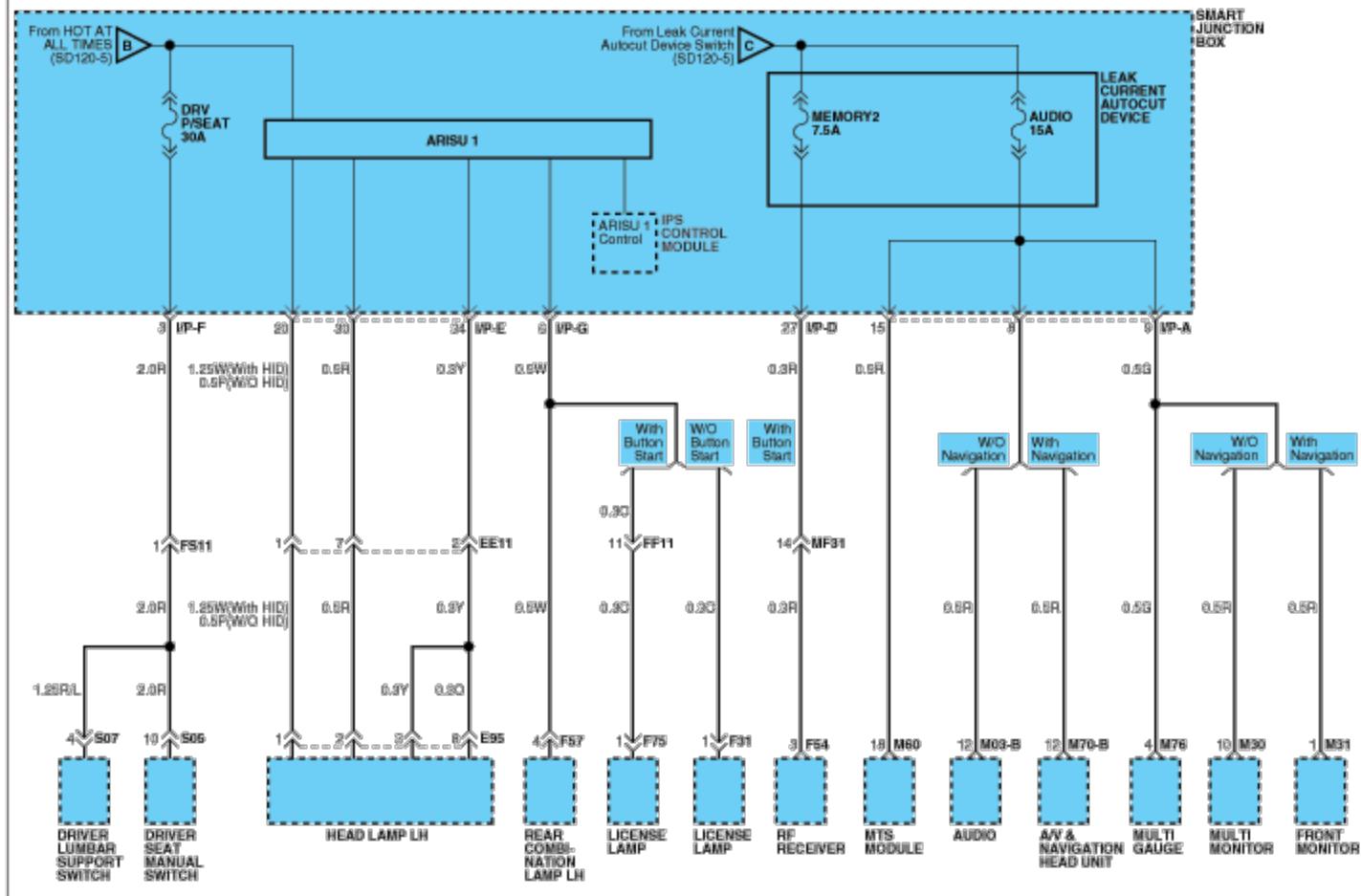
Passenger Compartment Fuse Details (5)

SD120-5



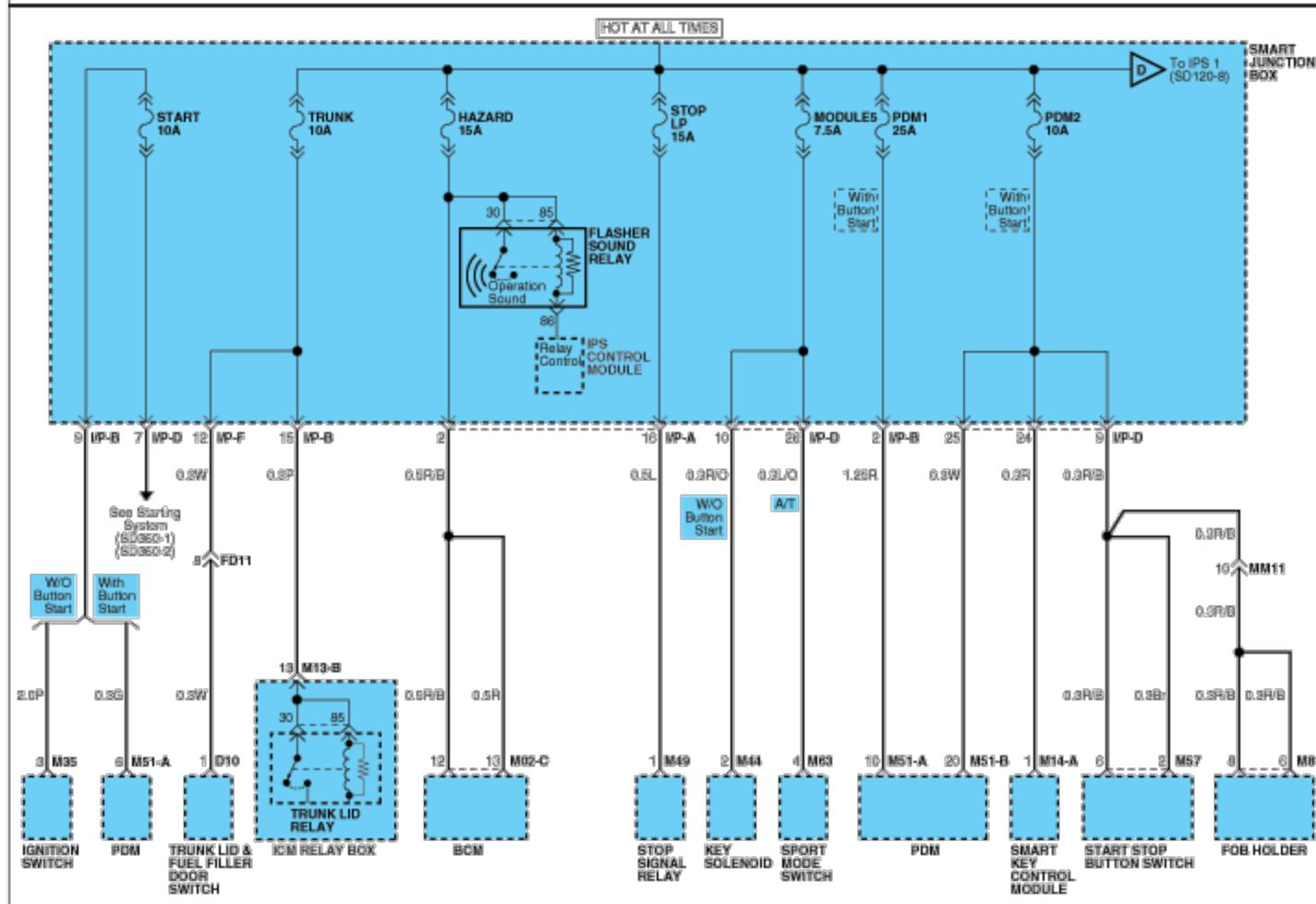
Passenger Compartment Fuse Details (6)

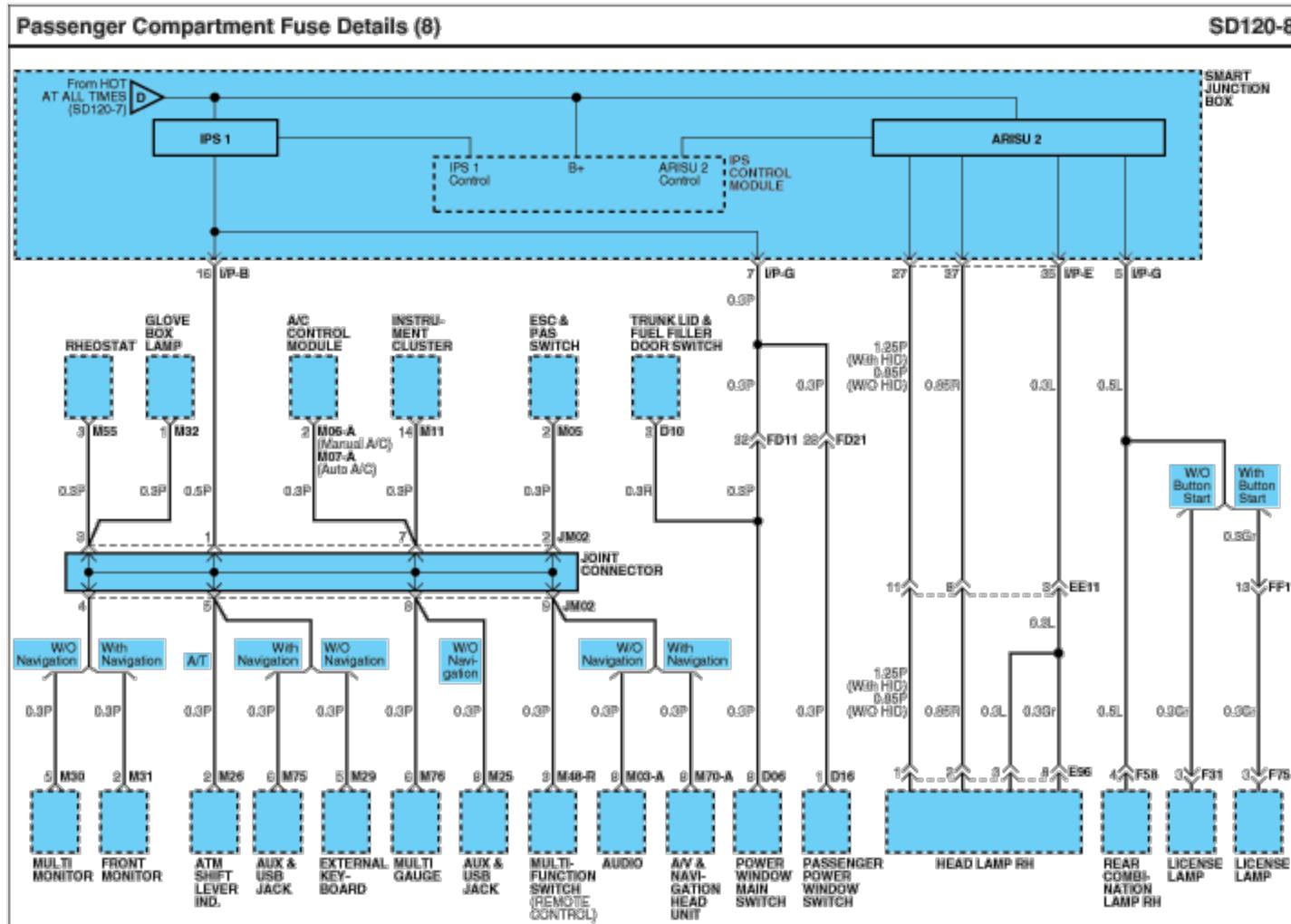
SD120-6

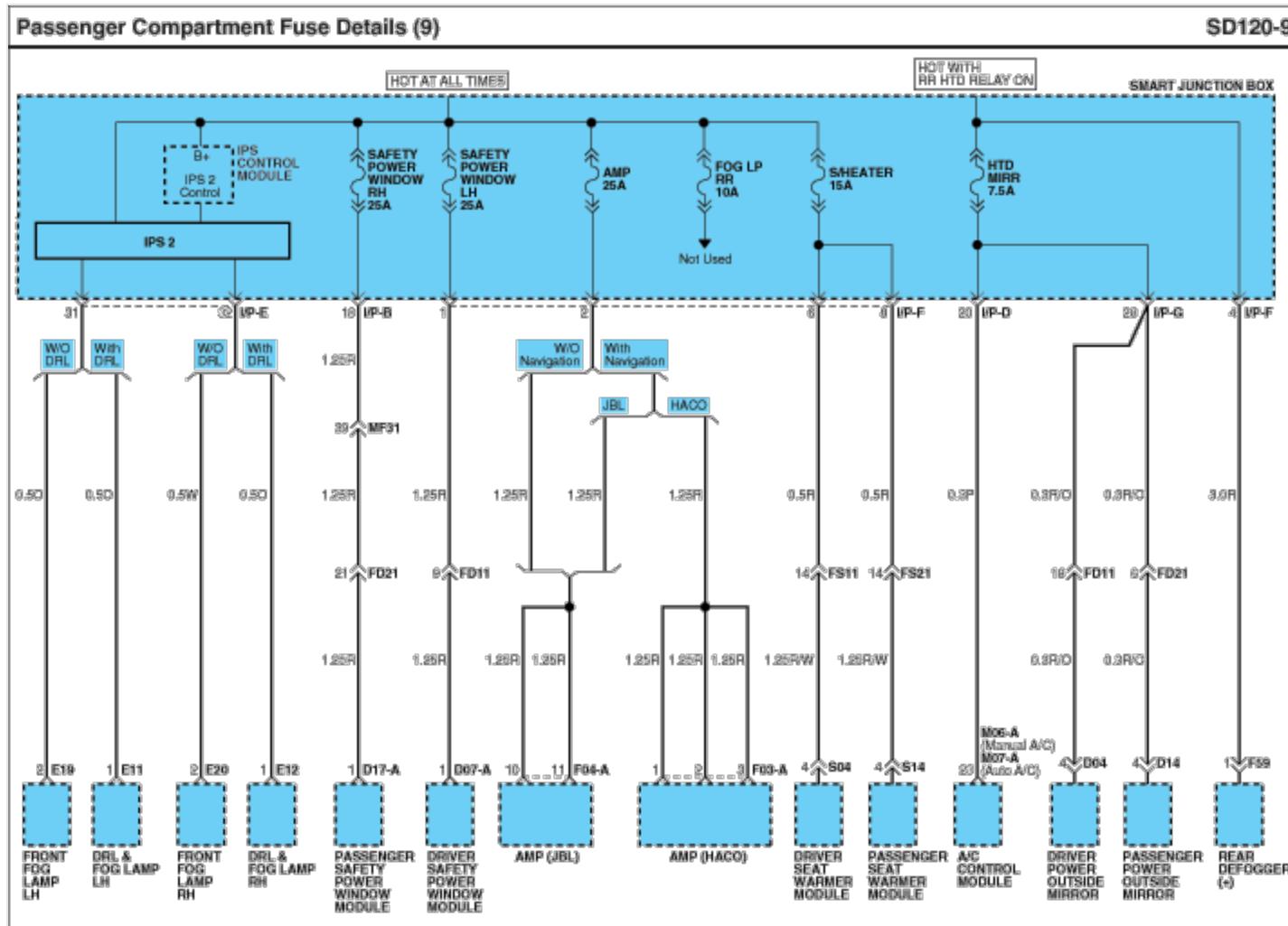


Passenger Compartment Fuse Details (7)

SD120-7



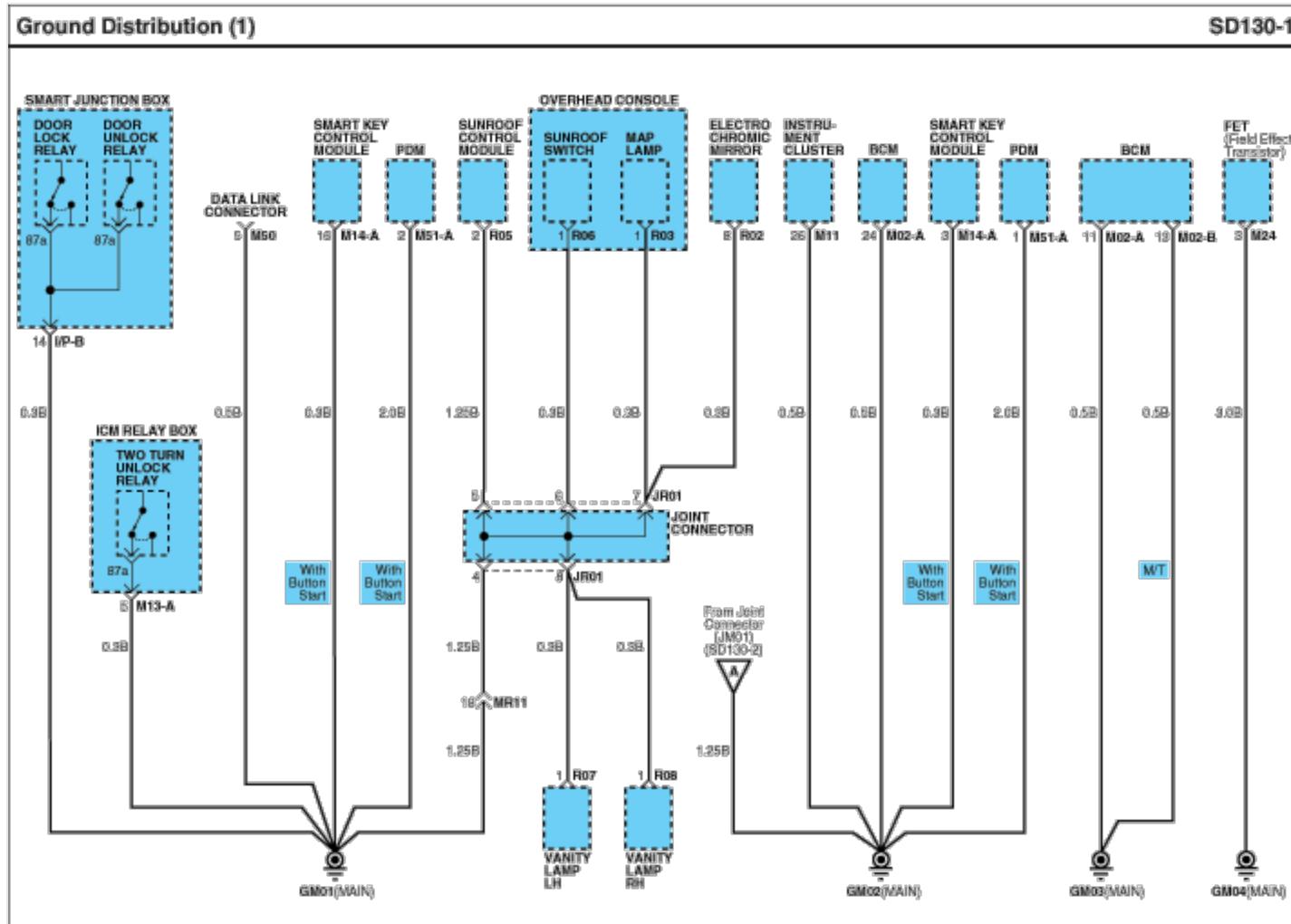


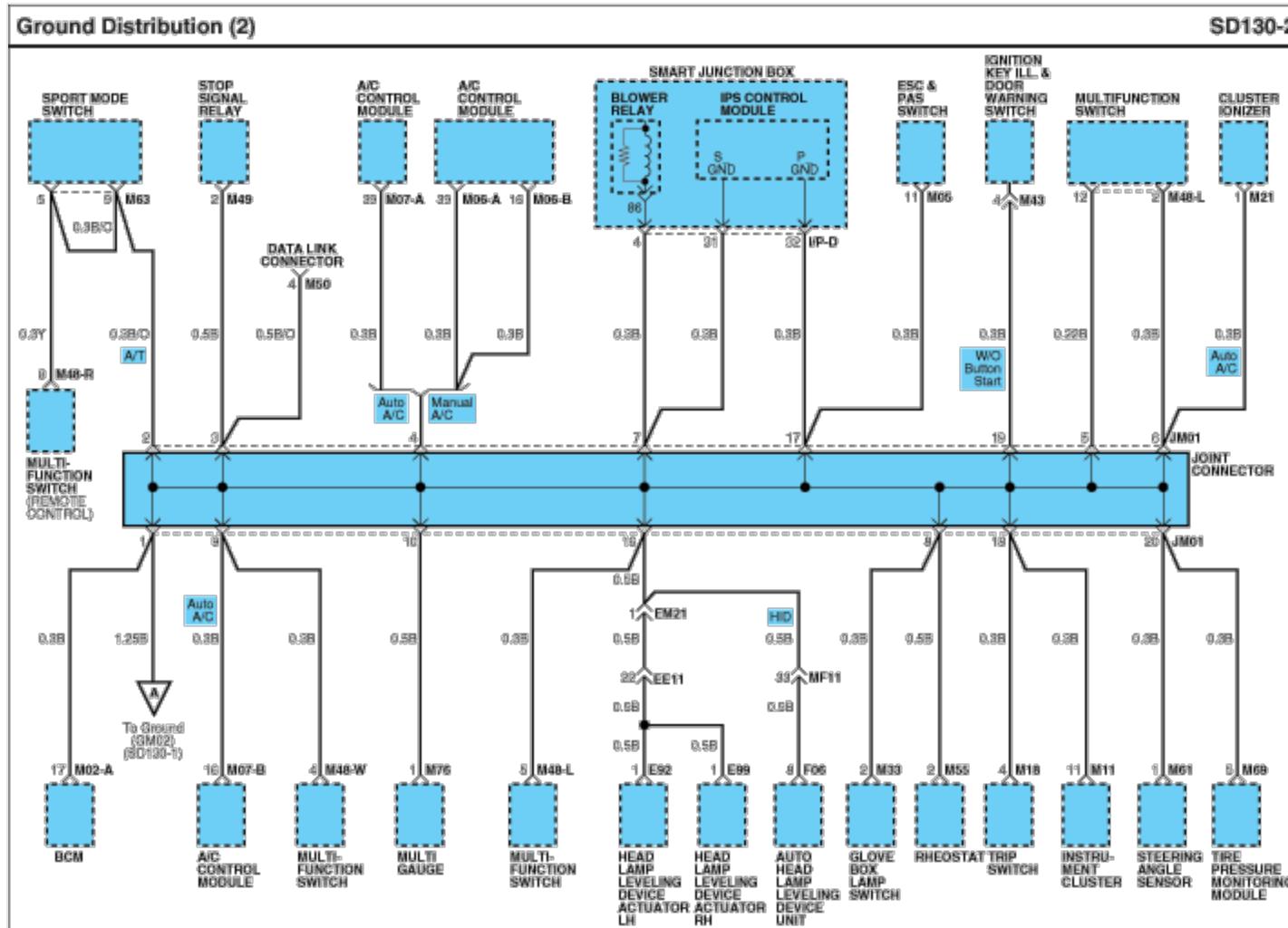


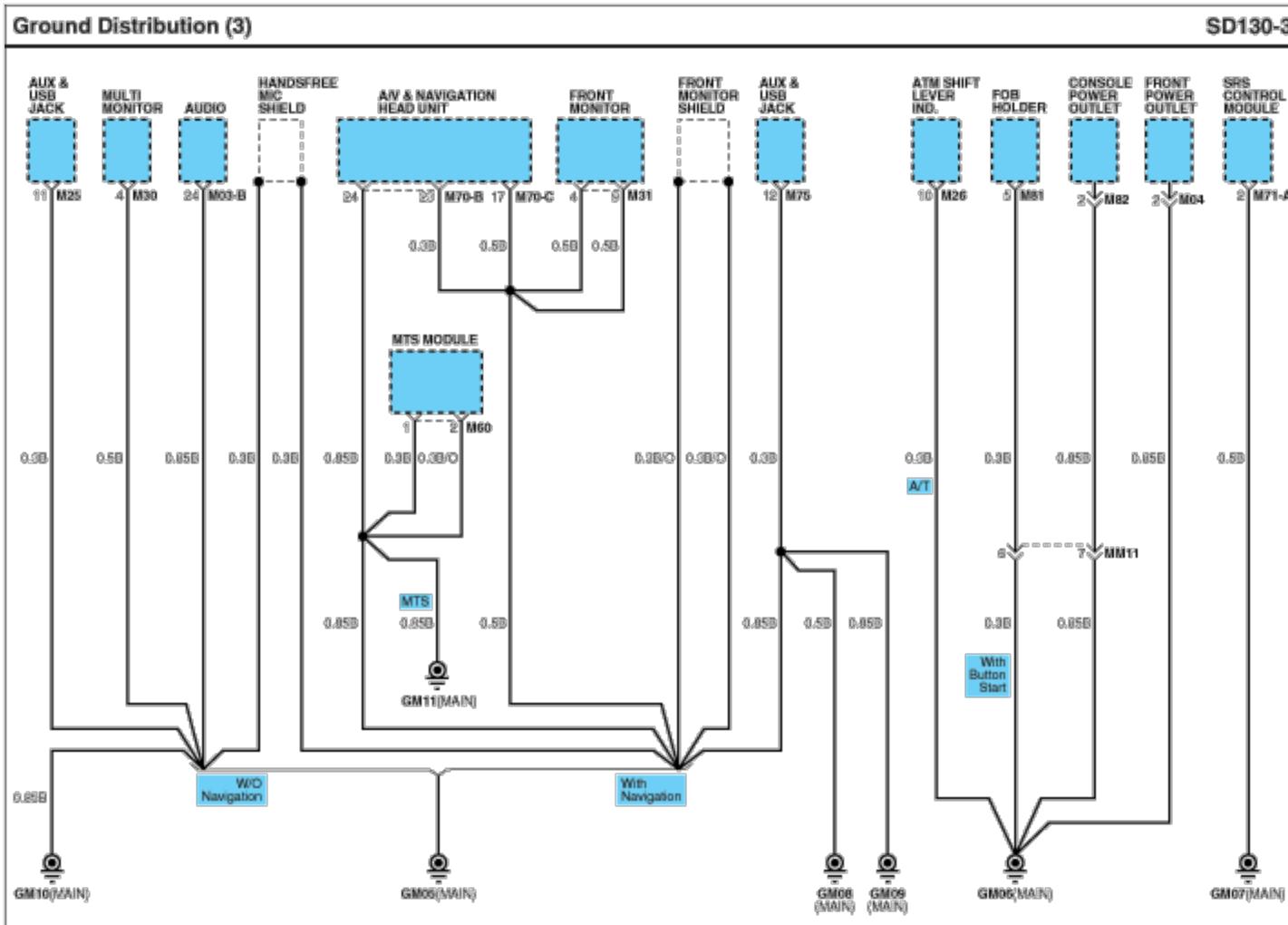
Schematic Diagrams

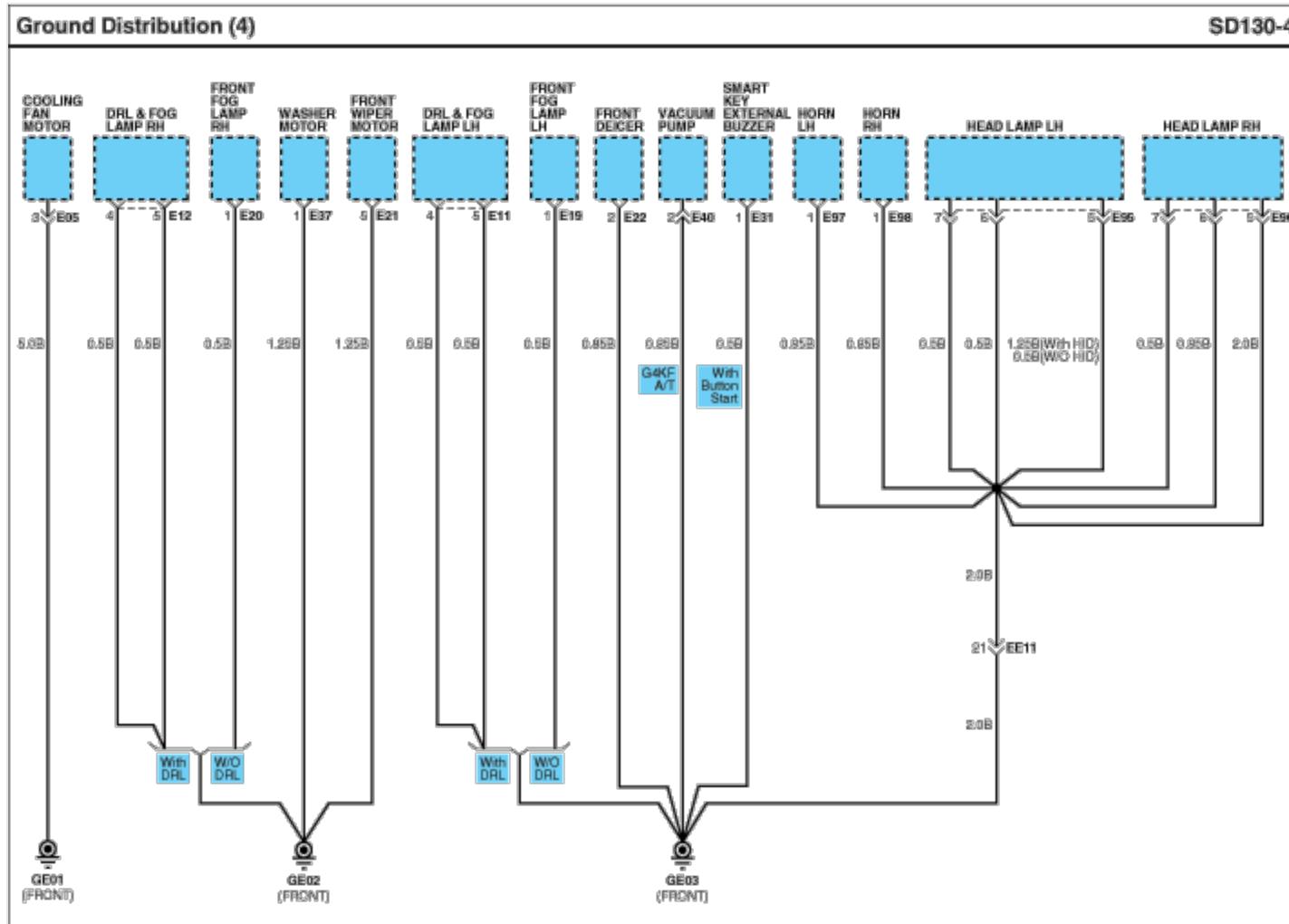


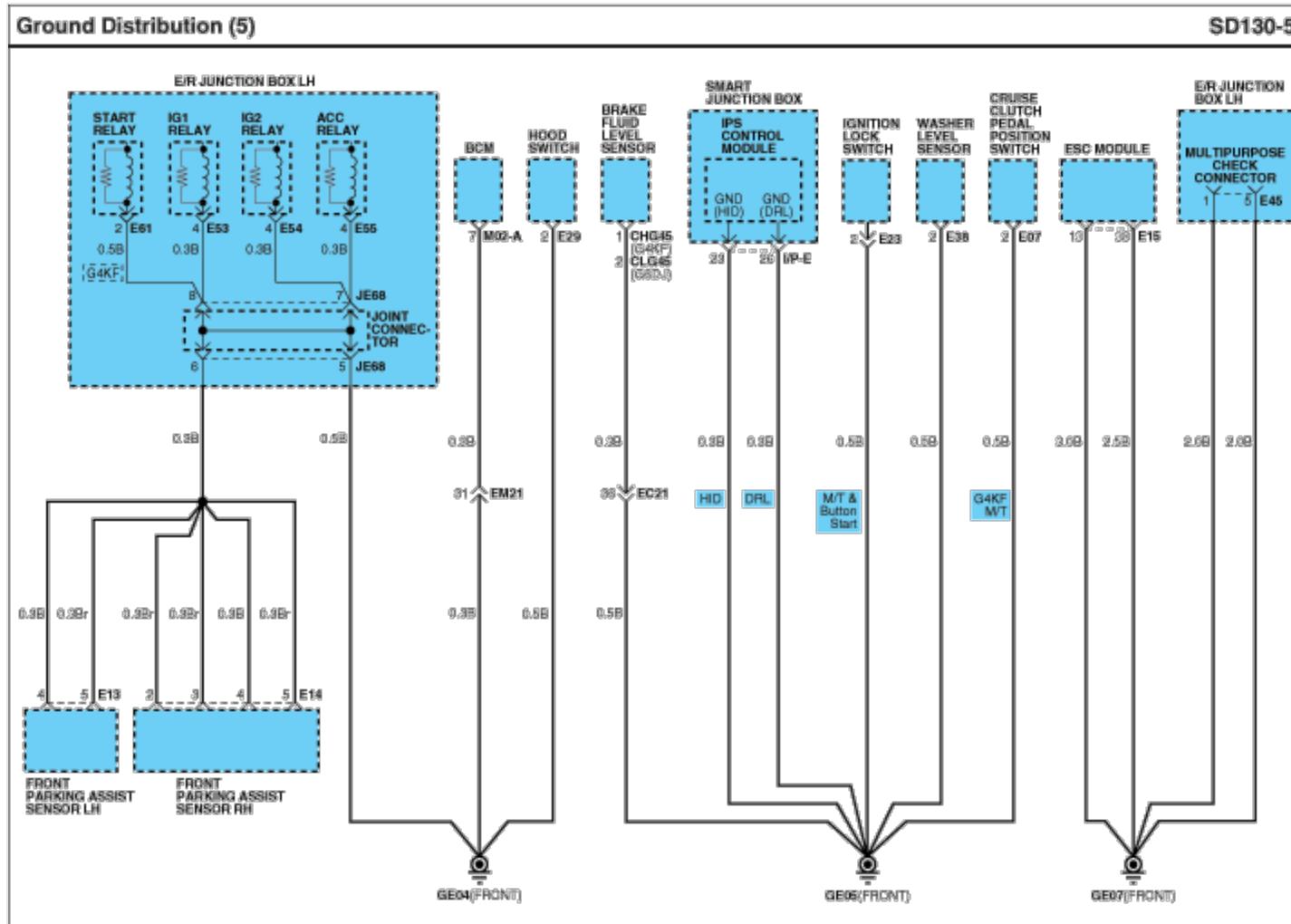
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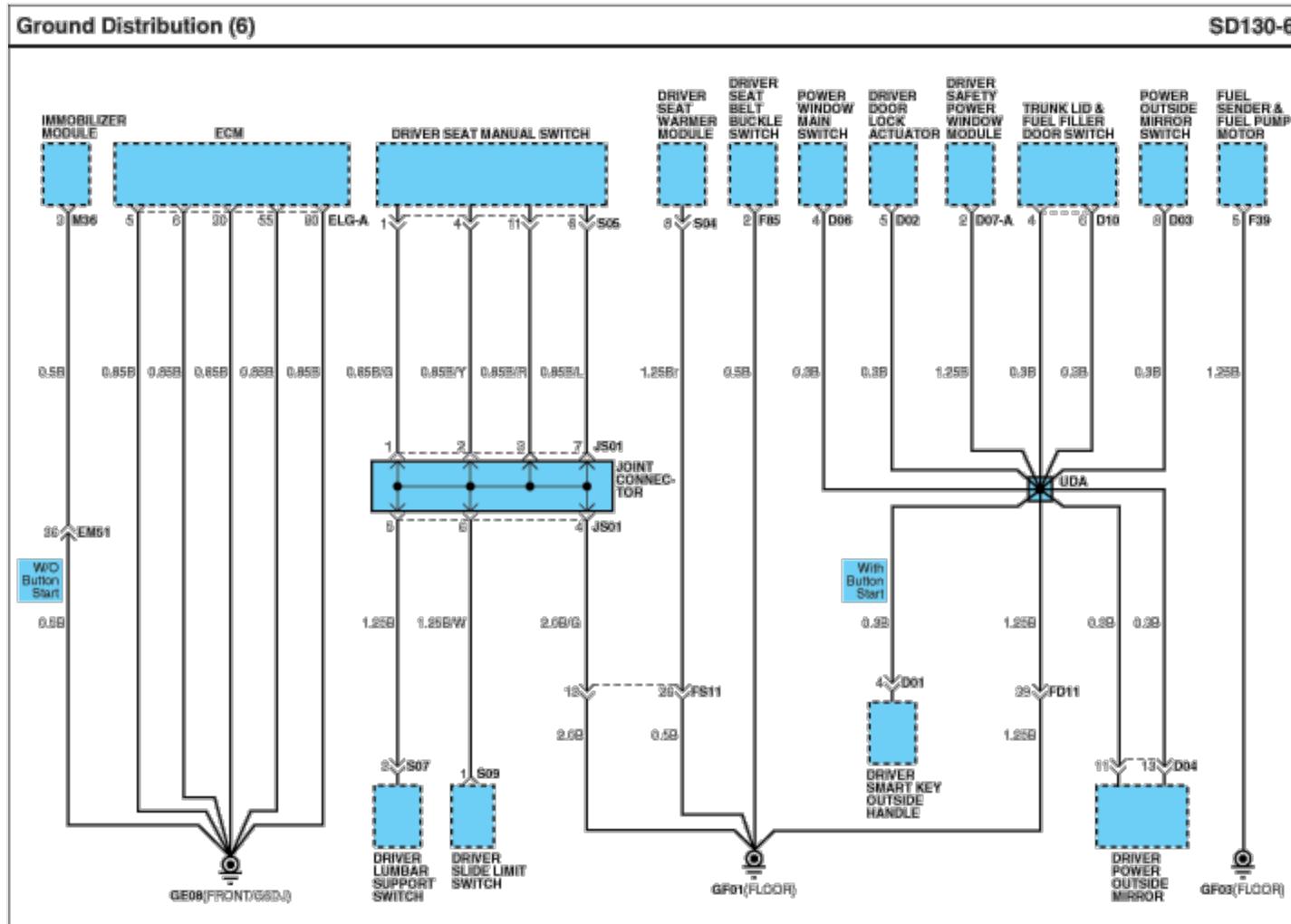


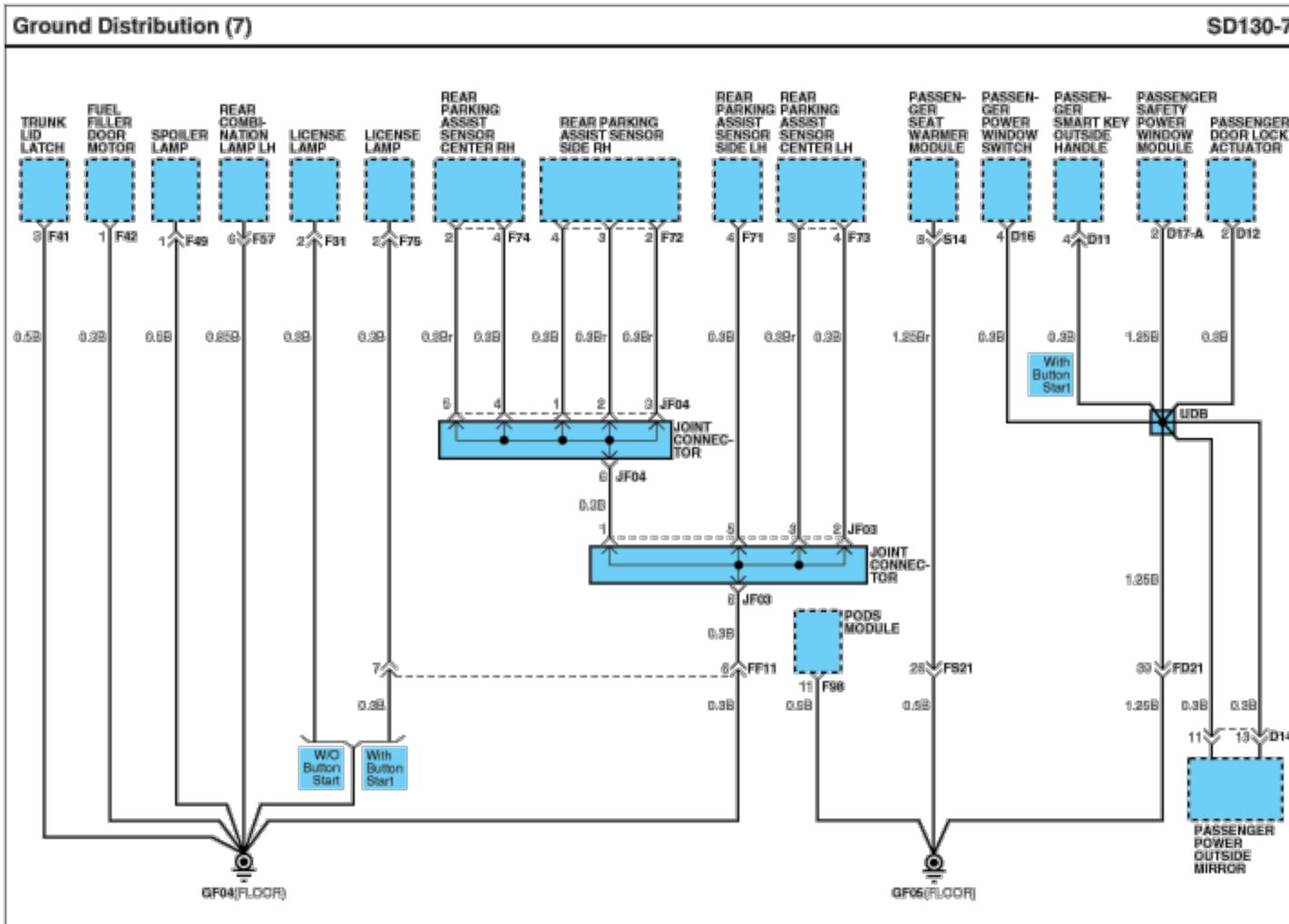


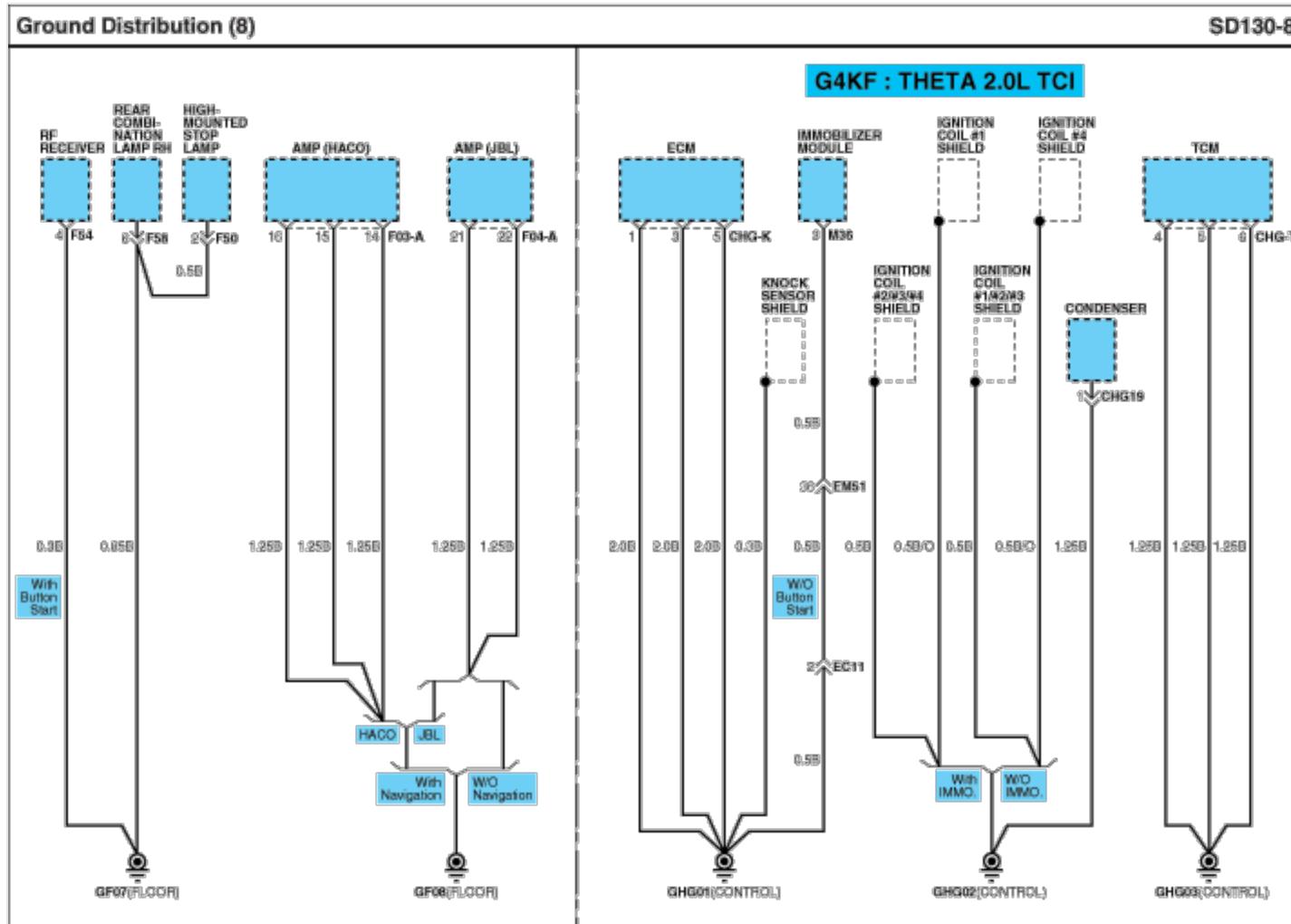


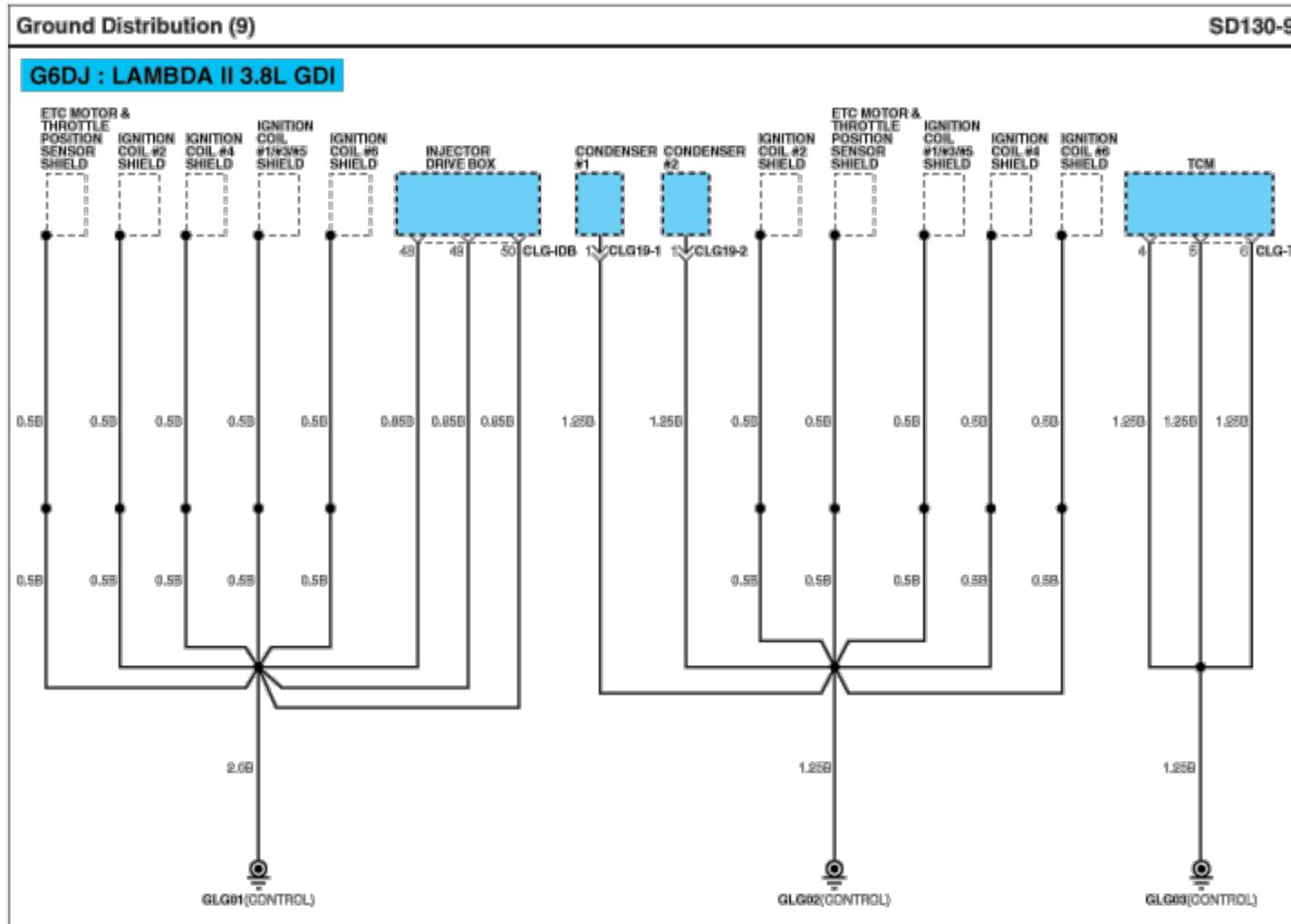












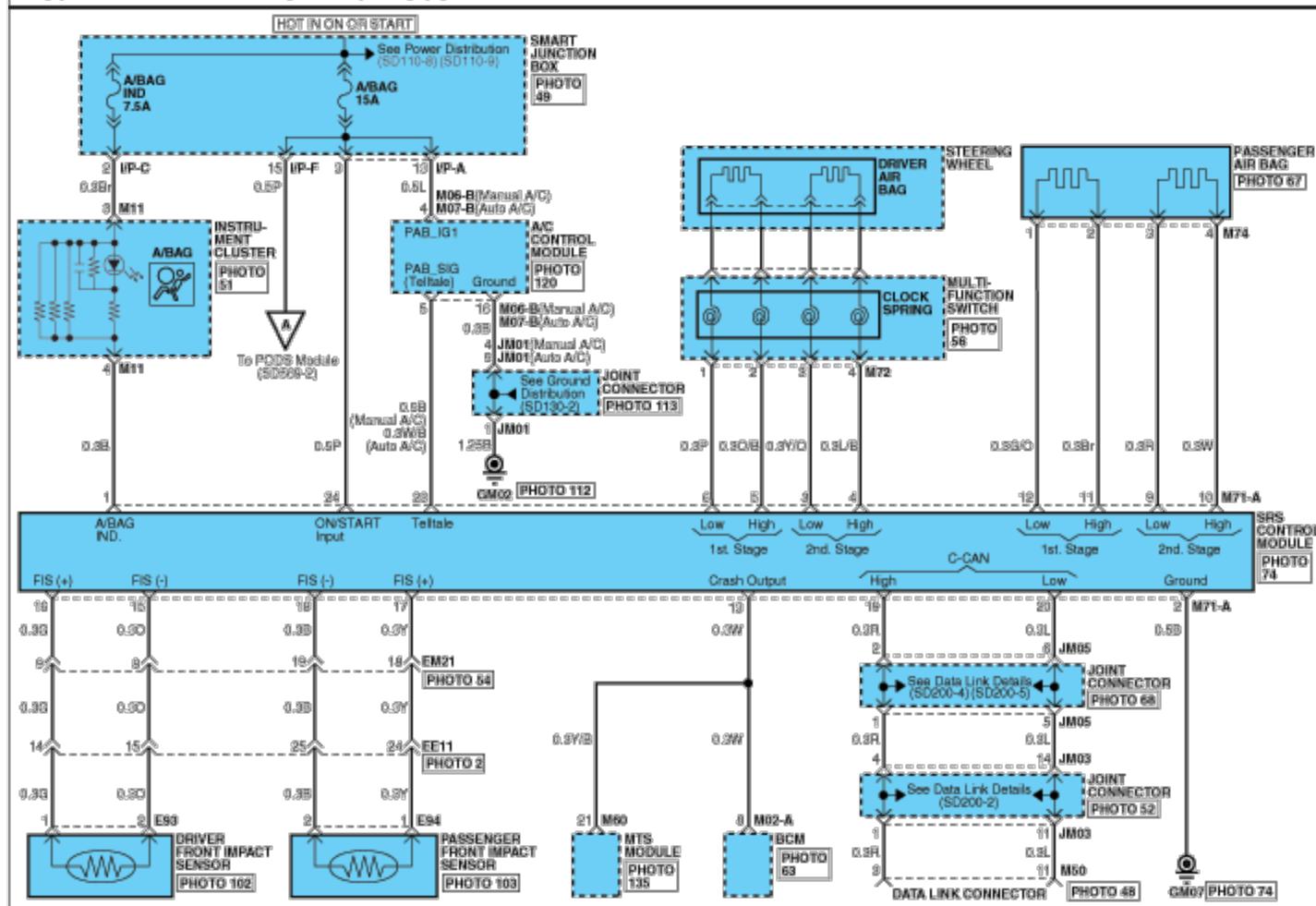
Schematic Diagrams



Supplemental Restraint System (SRS)

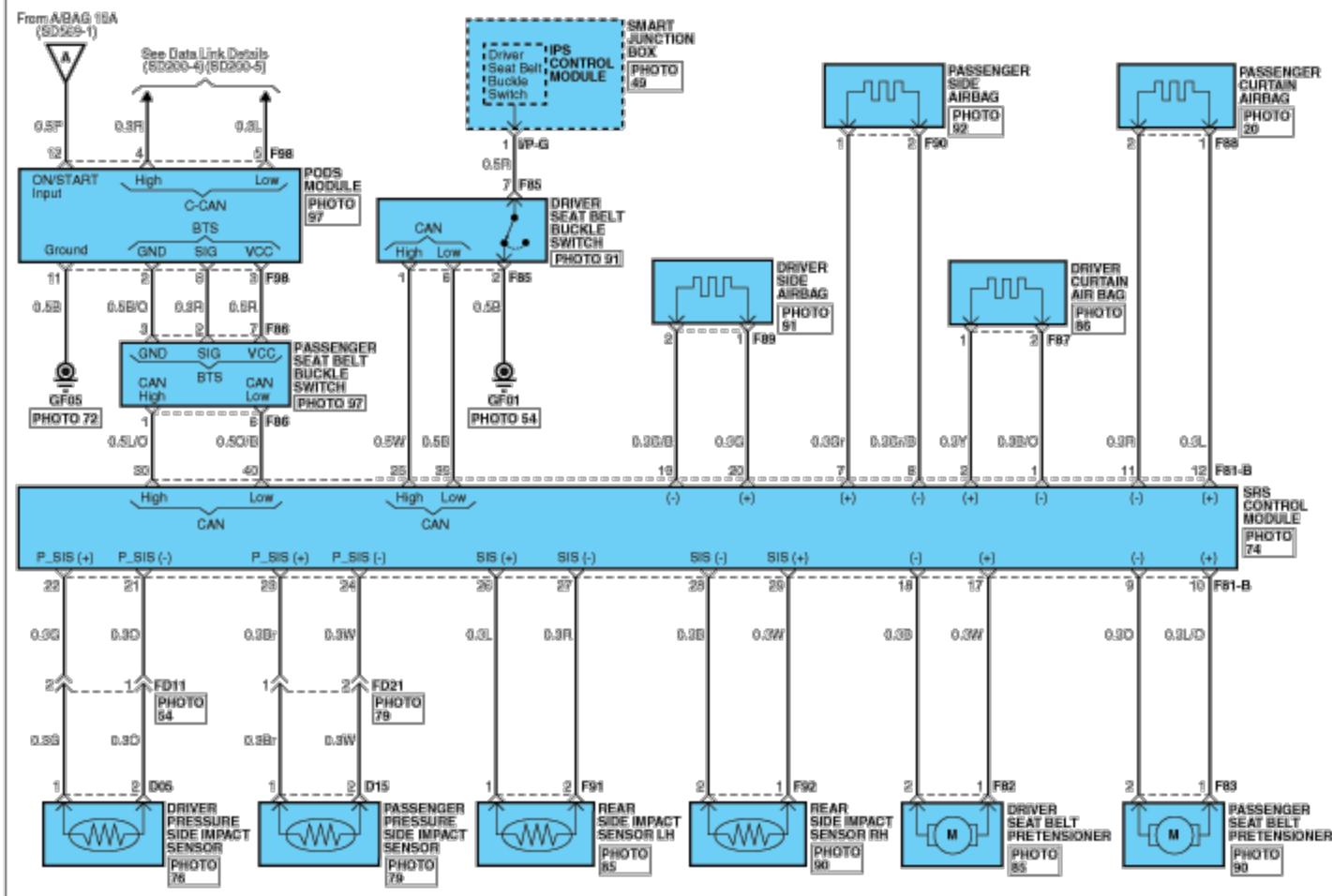
Supplemental Restraint System (SRS) (1)

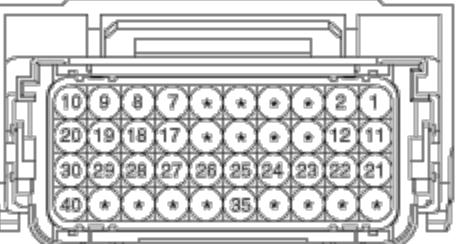
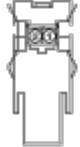
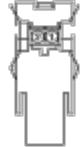
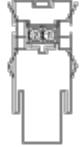
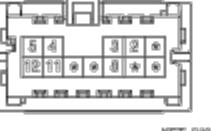
SD569-1

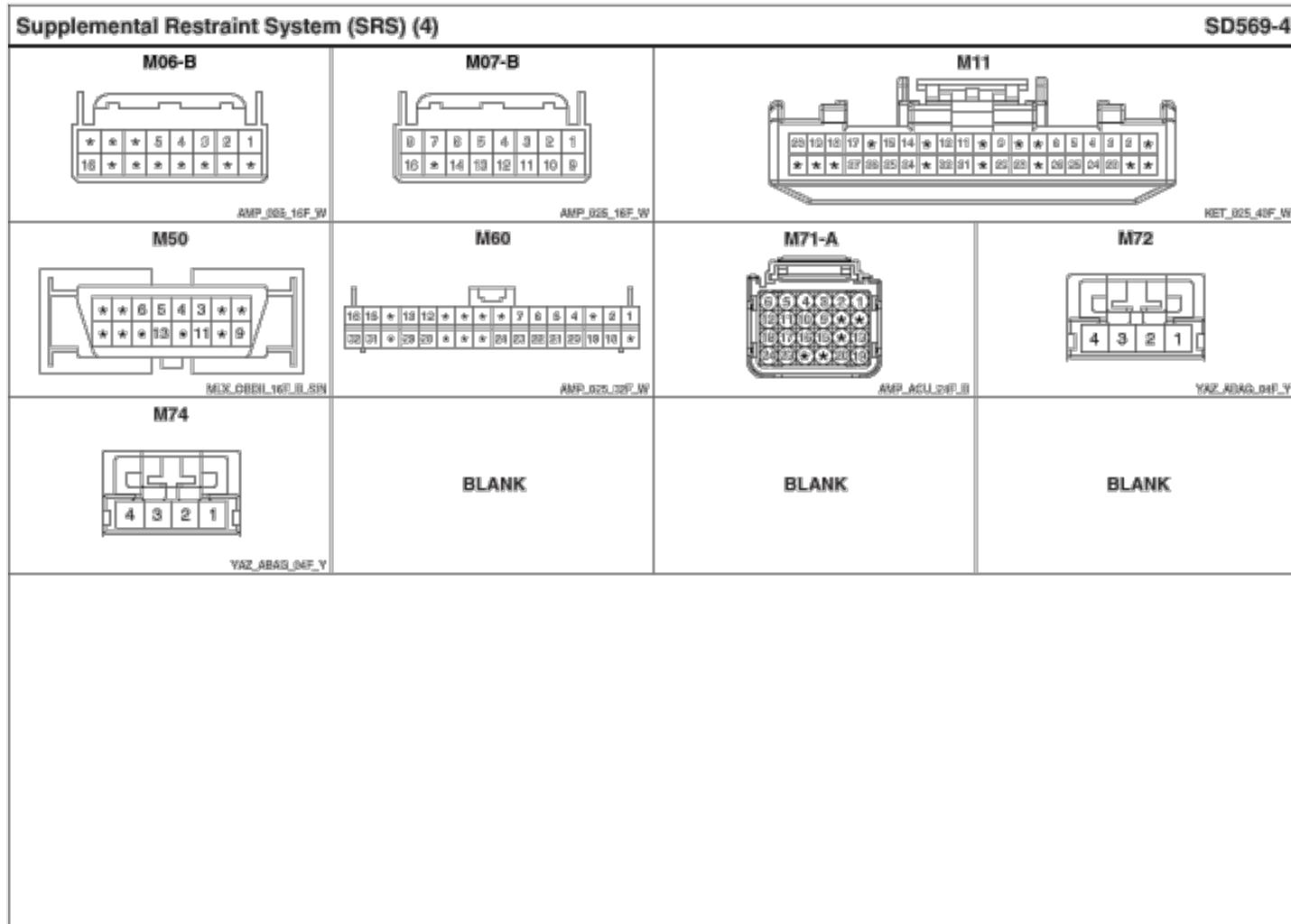


Supplemental Restraint System (SRS) (2)

SD569-2



Supplemental Restraint System (SRS) (3)				SD569-3
D05	D15	F81-B		
				
SUM_SGSWP_02F_B	SUM_SGSWP_02F_B			
E93	E94			
				
SUM_SGSWP_02F_B	SUM_SGSWP_02F_B			
F82	F83	F85	F86	
				
JST_SGS_02F_B	JST_SGS_02F_B	JST_HG_08F_Y	JST_HG_08F_Y	
F87	F88	F89	F90	
				
JST_SGS_02F_C	JST_SGS_02F_C	KET_DSGWP_02F_Y_GH	KET_DSGWP_02F_Y_GH	
F91	F92	F98	M02-A	
				
SUM_DSGWP_02F_SR	SUM_DSGWP_02F_SR	KET_DSGE_12F_W	AMP_DSGE_04F_W	



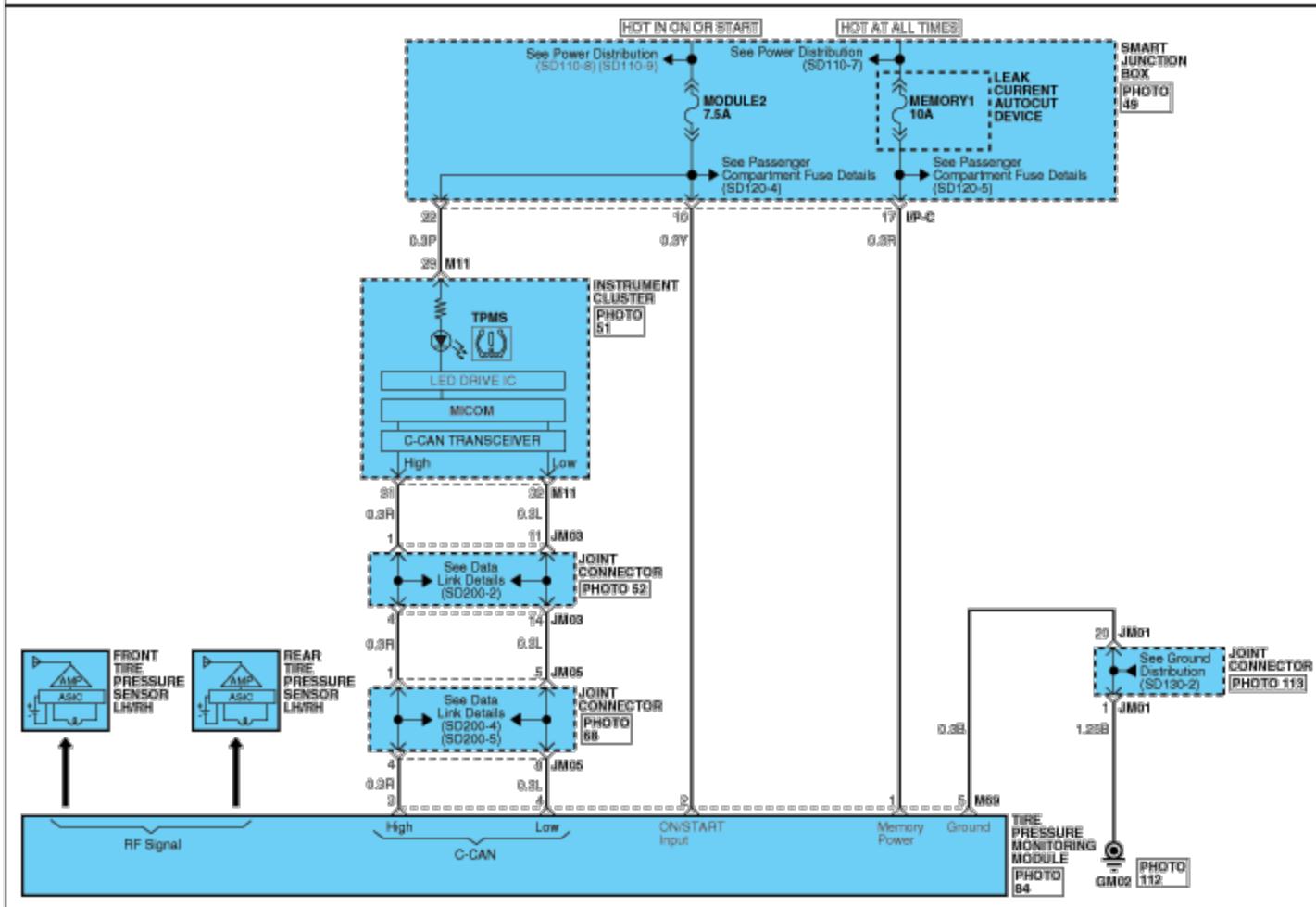
Schematic Diagrams

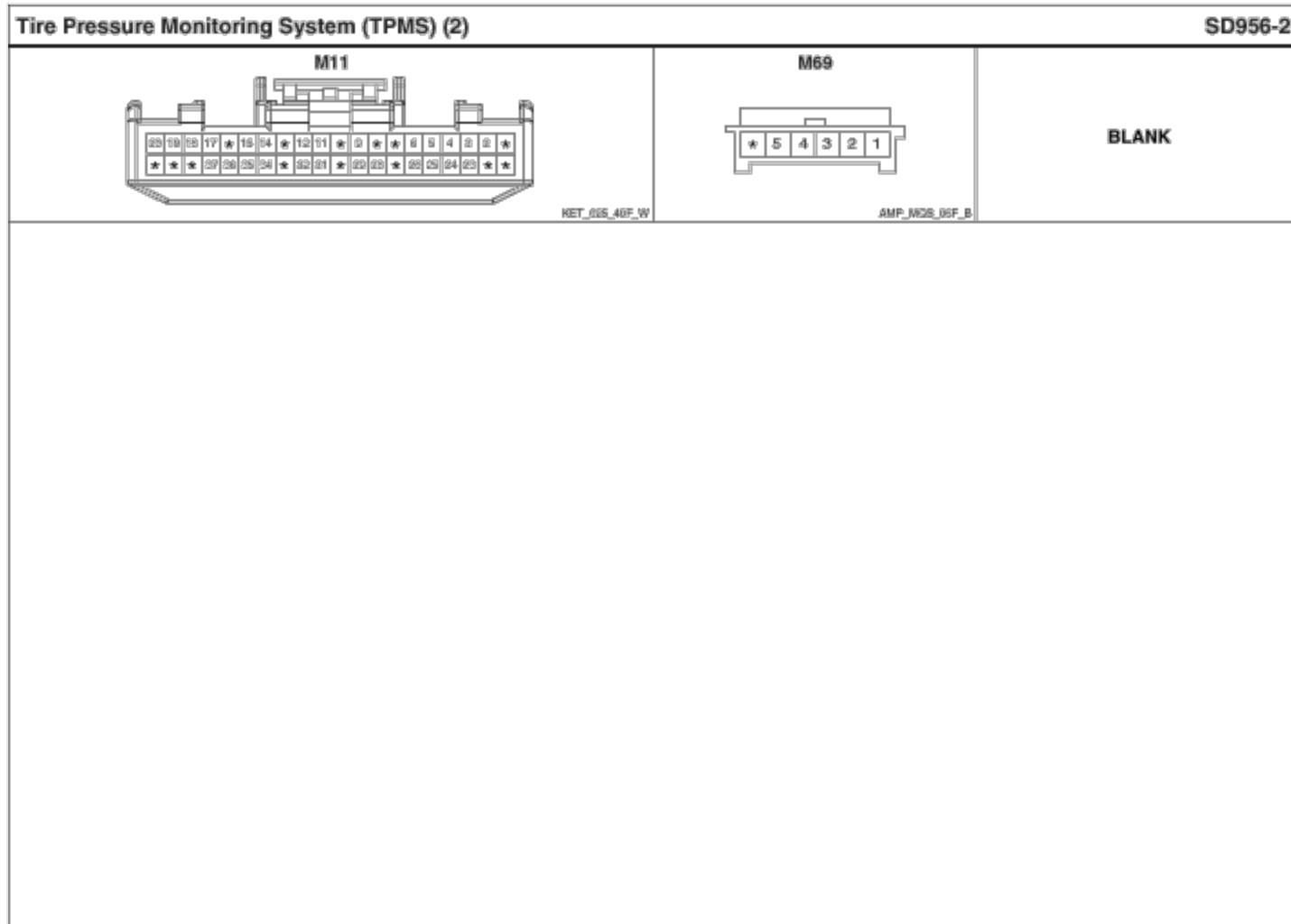


Tire Pressure Monitoring Module (TPMS)

Tire Pressure Monitoring System (TPMS) (1)

SD956-1





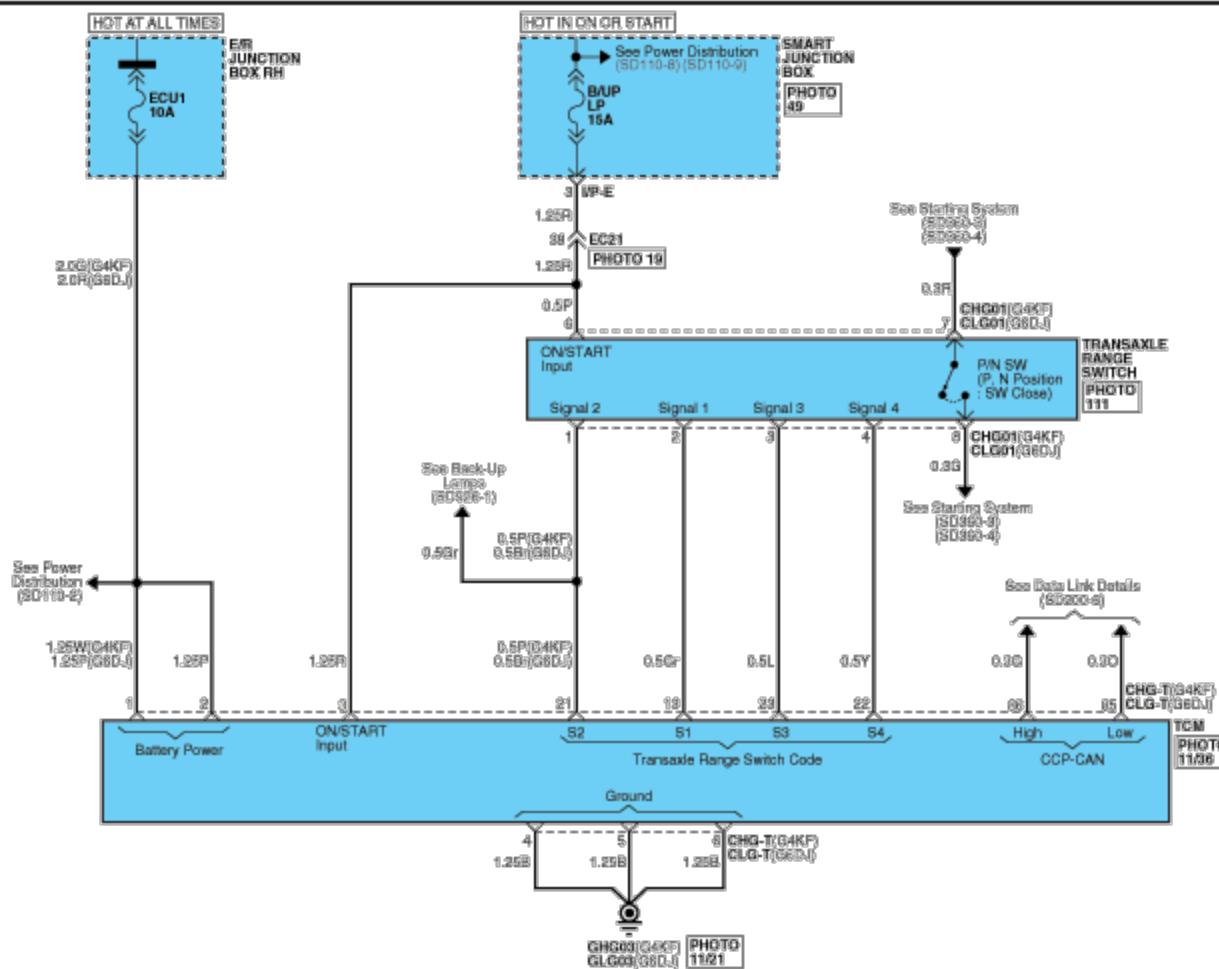
Schematic Diagrams

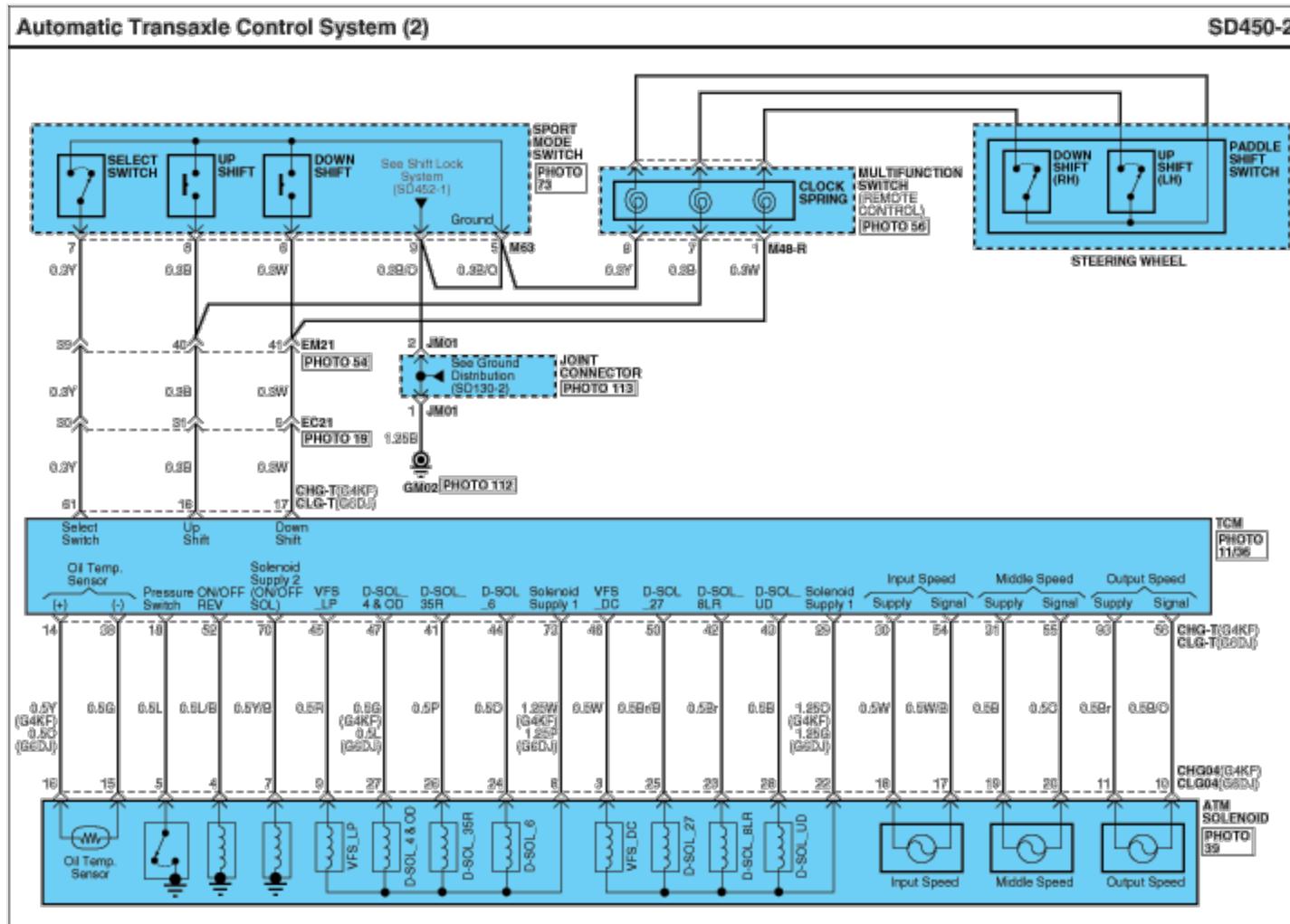


Automatic Transaxle Control System

Automatic Transaxle Control System (1)

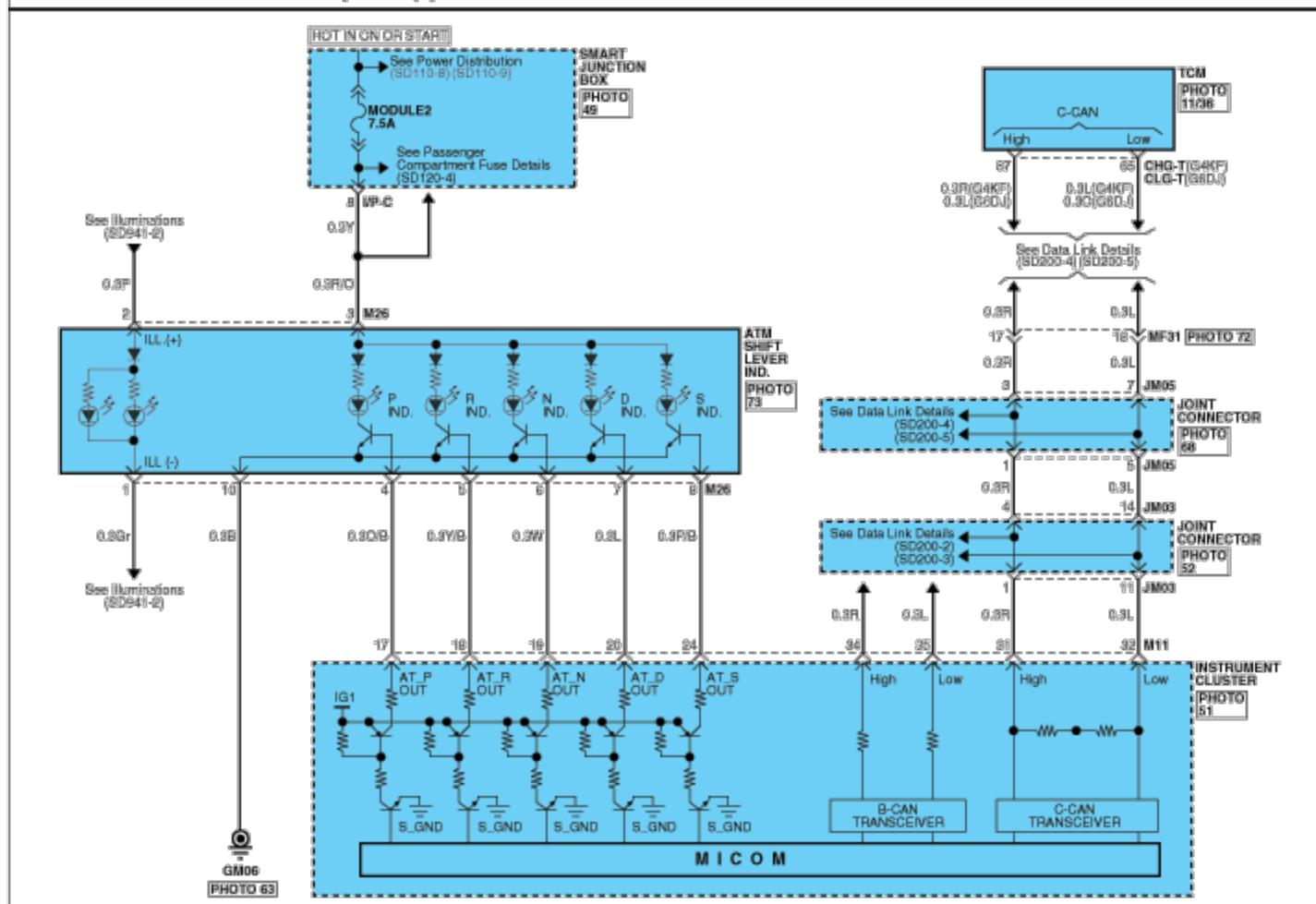
SD450-1

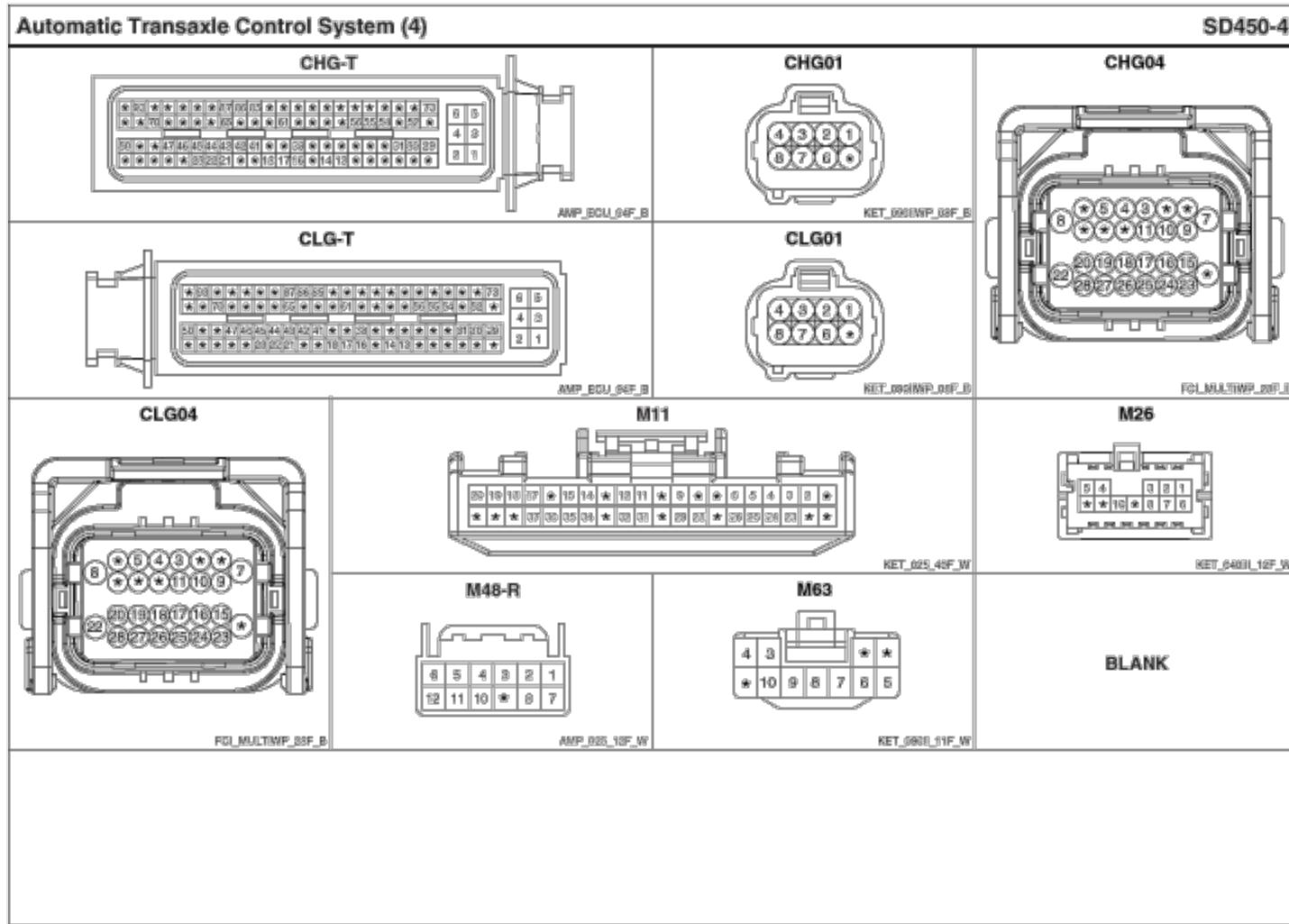




Automatic Transaxle Control System (3)

SD450-3

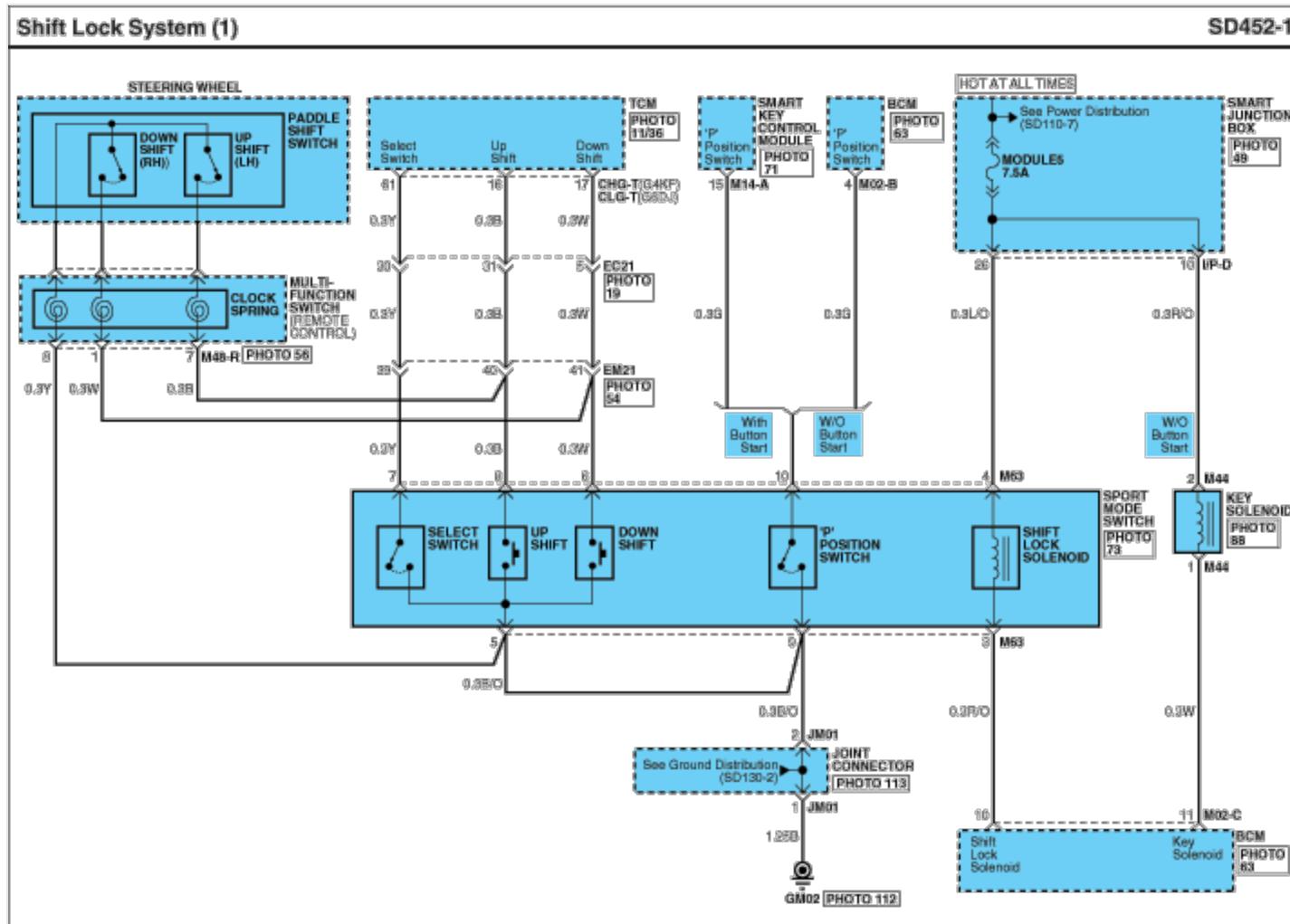


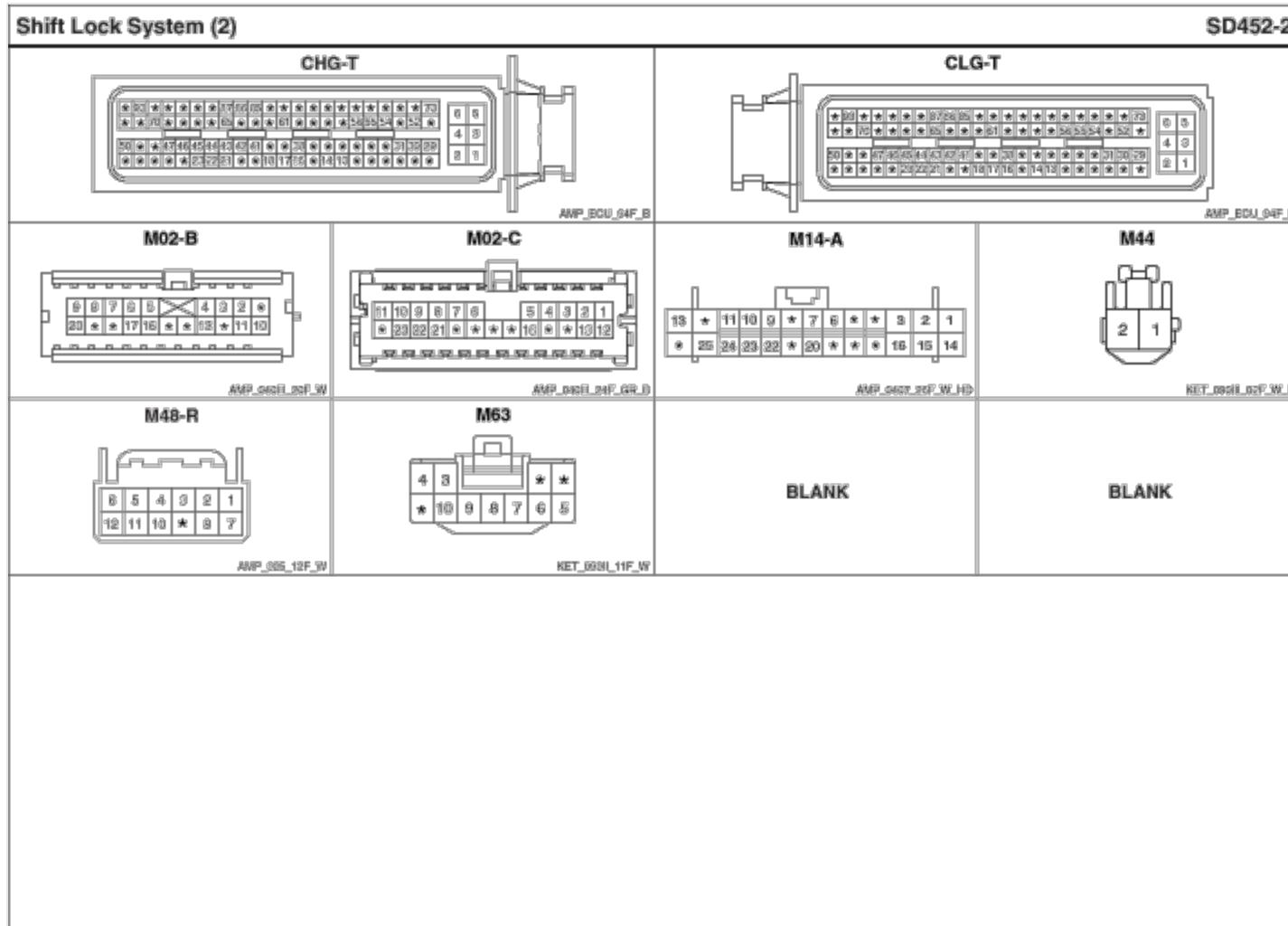


Schematic Diagrams



Shift Lock System

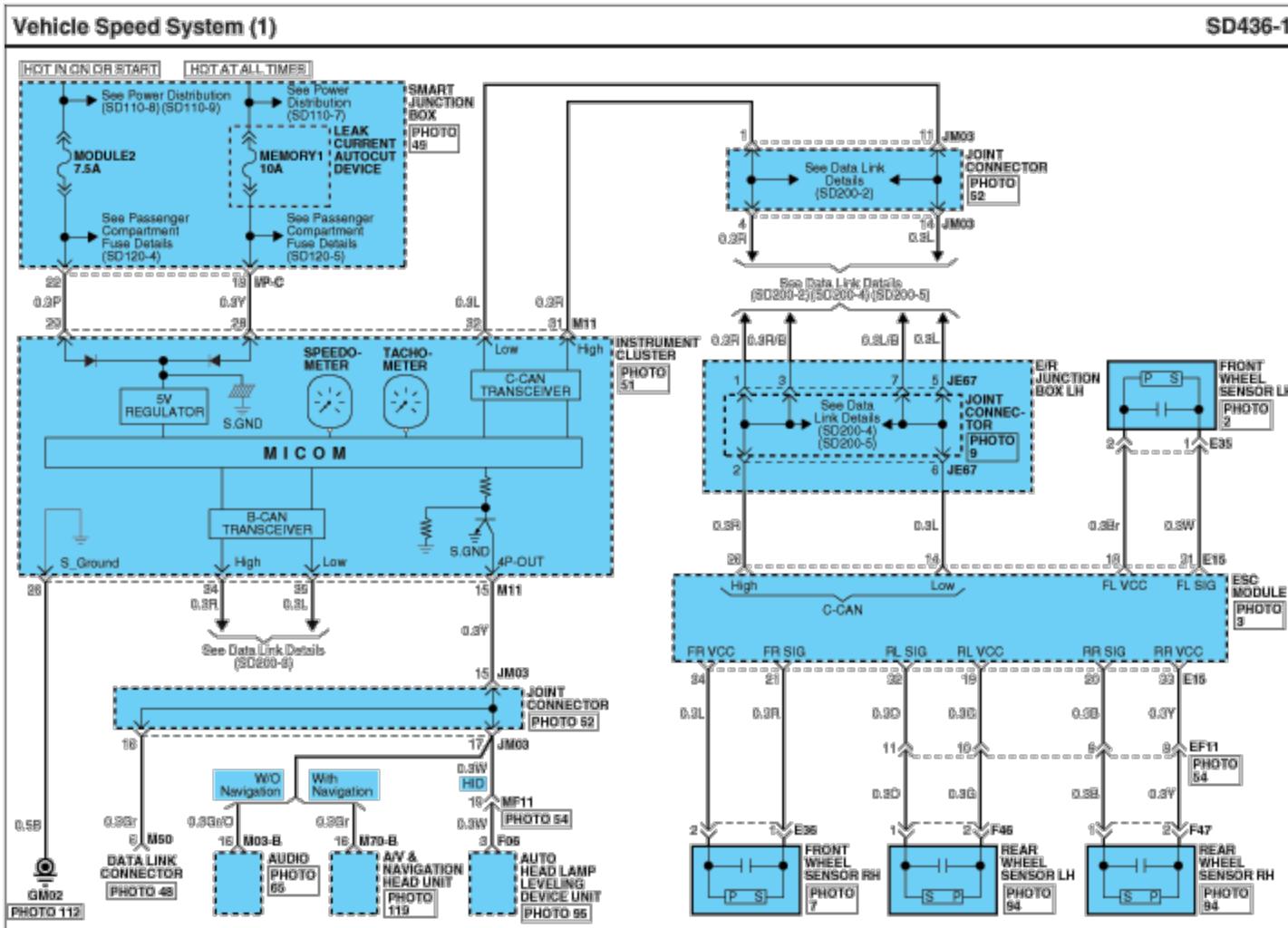


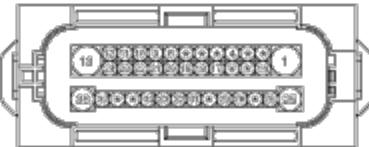
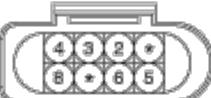
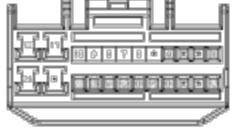
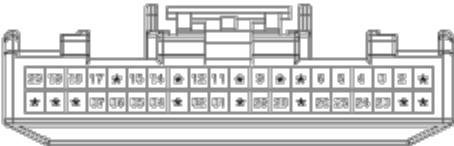
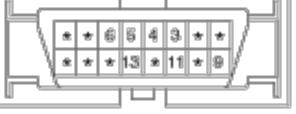


Schematic Diagrams



Vehicle Speed System



Vehicle Speed System (2)			SD436-2
 E15	 E35	 E36	
			KET_0901WP_02M_B
 F06	 F46	 F47	 M03-B
FIP_0901WP_02F_B	KET_0901WP_02M_B	KET_0901WP_02M_B	KET_0902B_04F_W
 M11	 M50	 M70-B	
KET_025_48F_W	MLX_C601_16F_B_EIN		KET_0902B_04F_W