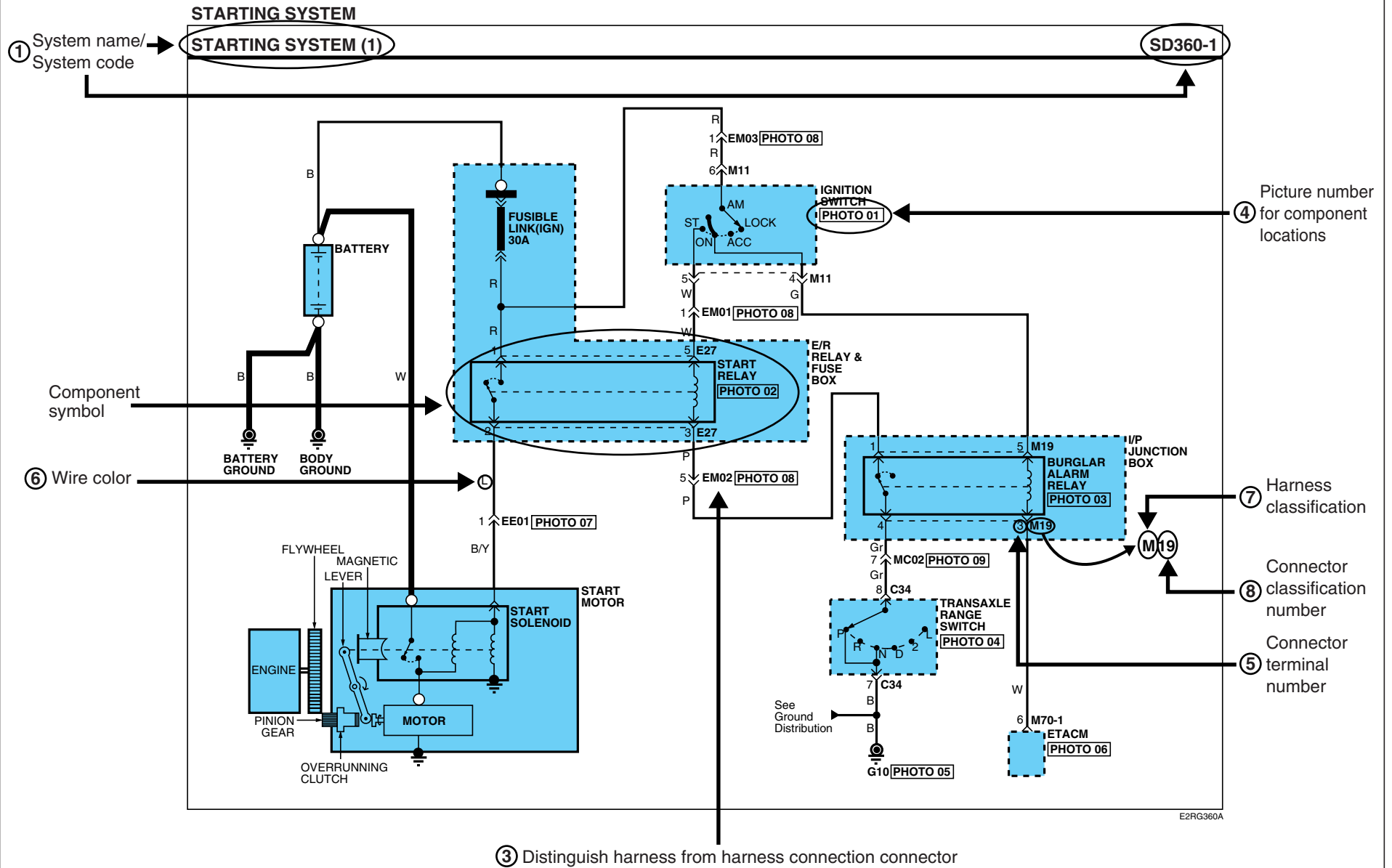


INTRODUCTION (1)



E2RG360A

# INTRODUCTION

## INTRODUCTION (2)

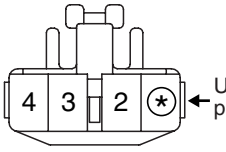
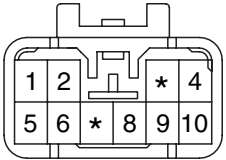
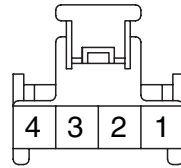
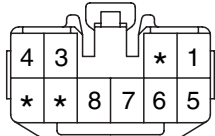
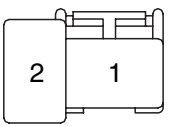
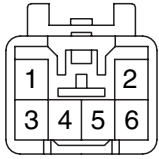
GI-2

### STARTING SYSTEM

#### STARTING SYSTEM (2)

SD360-2

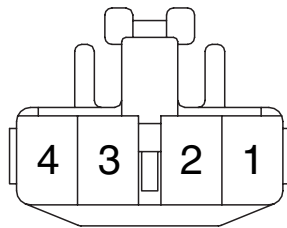
② Connector configurations (components)

<p><b>M05</b></p>  <p>KET_090II_04F_W</p>	<p><b>M06</b></p>  <p>KET_090II_10M_W</p>	<p><b>M11</b></p>  <p>KUM_AR_04F_W</p>	<p><b>M13</b></p>  <p>KET_090II_10F_W</p>
<p><b>M67</b></p>  <p>AMP_PLM2_02F_B</p>	<p><b>M81</b></p>  <p>KET_090II_06M_W</p>	<p><b>BLANK</b></p>	<p><b>BLANK</b></p>

E2RG360B

Explanation of connector code

### M05



KET\_090II\_04F\_W

a b c d e

a : Connector manufacturer

b : Terminal series number

c : The number of connector terminals

d : Connector distinguishing   
 Female Pin : F   
 Male Pin : M

e : Connector color abbreviations

- B (Black)
- Br (Brown)
- G (Green)
- Gr (Gray)
- L (Blue)
- R (Red)
- W (White)
- Y (Yellow)

① Pages by system/ Name of Schematic diagram

- Each page is consisted of circuits by system. This schematic diagram includes the path of electricity flow, connection condition for each switch, and the function of other relevant circuits at once. It is applicable to real service work.
- It is very important to understand relevant circuits exactly before troubleshooting diagnosis.
- Circuits by system depends upon part number and are indicated on schematic diagram index.

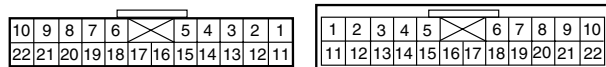
② Connector configuration (components)

- The connector figure of components in the schematic diagram by system is indicated on the last page of schematic diagram.
- It shows the front of the connector on the harness side when not to the harness connector. The terminal number on each connector can be obtained by following the pattern used in ⑤ connector view and numbering order. Unused terminals are marked with an asterisk (\*).

③ Connector configurations (connection between harnesses)

- When connecting the harness with connector between harnesses, it shows female and male connectors and indicates them on the connector configurations group.

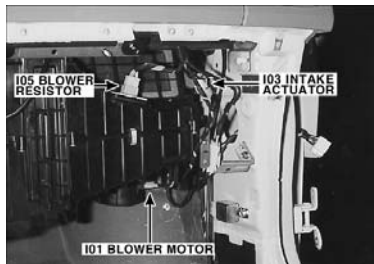
EM02



④ Component locations

- To find the components easily, a component locations diagram is indicated with "PHOTO NO" on the lower portion of the component name.
- To make it easy to distinguish connectors, the connector in the picture is indicated being installed in the vehicle.

PHOTO 03



⑤ CONNECTOR VIEW AND NUMBERING ORDER

Female	Male	Remarks
		<p>It is not the shape of the connector housing, but the connector pin that distinguishes between male or female connectors. When numbering female and male connectors, refer to the numbering order in the following table. Some connectors may not follow this method of numbering order. For individual detailed numbering, refer to the CONNECTOR CONFIGURATIONS.</p>
		<p>Numbered in order from upper right to lower left</p> <p>Numbered in order from upper left to lower right</p>

NOTE

UNLESS OTHERWISE STATED, ALL CONNECTOR VIEWS ARE FROM THE TERMINAL SIDE OF THE CONNECTOR.

# INTRODUCTION

## INTRODUCTION (4)

GI-4

### ⑥ WIRE COLOR ABBREVIATIONS

The following abbreviations are used to identify wire colors in the circuit schematics.

Symbol	Color of wire	Symbol	Color of wire
B	Black	O	Orange
Br	Brown	P	Pink
G	Green	R	Red
Gr	Gray	W	White
L	Blue	Y	Yellow
Lg	Light Green	Pp	Purple
T	Tan	LI	Light Blue

\* **(Y)/(B)**: Black stripe with yellow ground (2 colors)

↑                      ↑  
the color of        the color of  
background        stripe

### ⑦ HARNESS CLASSIFICATION

Electrical wiring connectors are classified according to the wiring parts in the Harness Layouts.

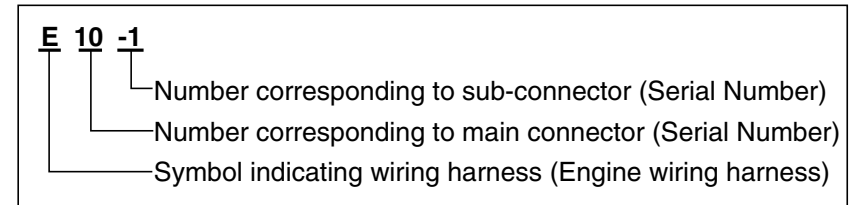
Symbol	Harness name	Location
E	Engine harness	Engine compartment
M	Main, Floor, Floor center, Roof harness	Passenger compartment, Floor, Roof
C	Chassis, Side marker, EXH M/V harness	Chassis compartment
A	Air con, A.B.S harness	Under crash pad and Floor
D	Door harness	Door

\* It depends on vehicles, it is necessary to check the harness name symbol on the harness layouts for detailed symbol.

### ⑧ CONNECTOR IDENTIFICATION

A connector identification symbol consists of a wiring harness location classification symbol corresponding to a wiring harness location and number corresponding to the connector. These connector locations can be found in the HARNESS LAYOUTS.

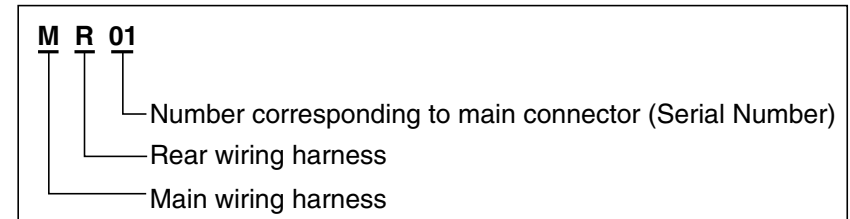
For example:



#### NOTE

**Connectors which connect each wiring harness are represented by the following symbols.**

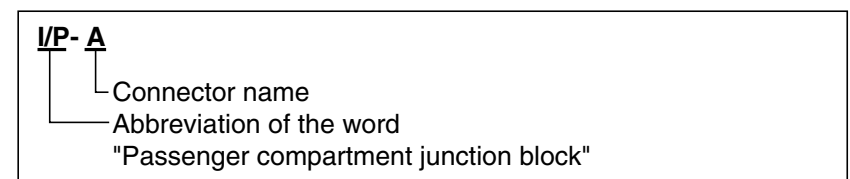
For example:



### JUNCTION BLOCK IDENTIFICATION

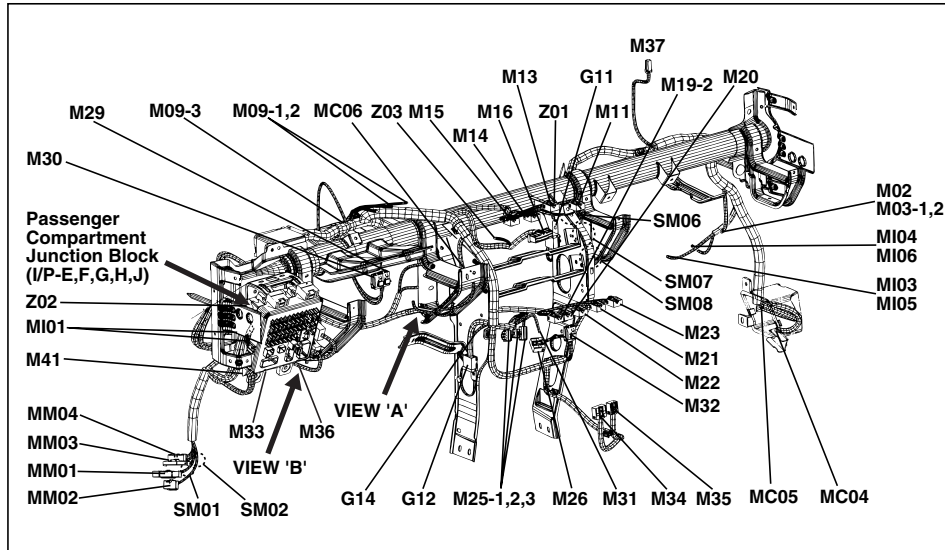
A junction block identification symbol consists of a wiring harness location classification symbol corresponding to a wiring harness location and number corresponding to the connector in the junction block.

For example:



**HARNESS LAYOUTS**

Harness layouts show the routing of the major wiring harnesses, the in-line connectors and the splices between the major harnesses. These layouts will make electrical troubleshooting easier.



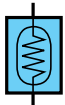
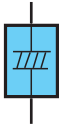

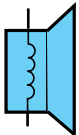

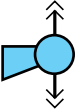

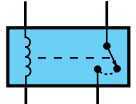

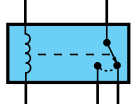

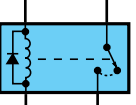
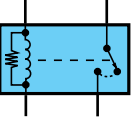
SYMBOLS (1)

Section	Symbol	Meaning	Section	Symbol	Meaning	Section	Symbol	Meaning	Section	Symbol	Meaning
C O M P O N E N T		A solid line means the entire component is shown.	C O N N E C T O R		Shows the name of each connector on the component location index for reference. Indicates the number of corresponding terminal. (Only relevant terminal on the corresponding schematic diagram).	S H I E L D W I R E		This represents RFI (Radio Frequency Interference) Shielding around a wire. The shielding is always connected to ground.	L A M P		Double filament
		A broken line indicates only part of the component is shown.			The dashed-line means each of two wires connect with same connector(E35)			Single filament			
		This means the connector connects directly to the component.	W		A wavy line means the wire is broken but is to be continued.		D I O D E		Diode		
		This indicates the connector connects to a lead (pigtail), wired directly to the component.			Wire insulation is yellow with a red strip.				Led diode		
		This indicates a screw terminal on the component.	I R E		Current path is continued on the same page or another page. The arrow shows the direction of current flow. You should look for the "A" in the marked position.		T R		NPN		
		This ground symbol (dot and 3 lines overlapping the component) means the housing of the component is attached to a metal part of the vehicle.			A wire connects to another circuit. The wire is shown again on that circuit which the arrow is pointing.				PNP		
		This ground symbol (dot and 3 lines overlapping the component) means the housing of the component is attached to a metal part of the vehicle.	S P L I C E S		Wire choices for options or different models are labeled and shown with a "choice" bracket like this.		F U S E		Power supplied at all times. Name Capacity		
		The name of the component appears next to its upper right corner.			Splices are numbered and shown as a dot with circle. The exact location and connection of these splices may vary among vehicles.				This means power is supplied with the ignition on position. This means the short bar connects to other fuses. Identification Current rating		
	Shows the number of pictures for component location.	G R O U N D		This symbol means the end of the wire is attached to a metal part of the vehicle.	G E N E R A L C O M P O N E N T S Y M B O L		These switches move together: a dashed line shows a mechanical connection between them.				
							Heater				
							Control battery power at all times				

# SYMBOLS

## SYMBOLS (2)

GI-7

Section	Symbol	Meaning	Section	Symbol	Meaning
GENERAL COMPONENTS SYMBOL		Sensor	GENERAL COMPONENTS SYMBOL		Condenser
		Sender			Speaker
		Injector			Horn, Buzzer, Siren, Chime Bell
		Solenoid	RELAY		Normally open contact
		Motor			This is a relay shown with no current flowing through its coil. When a current flows through coil, contact will toggle.
		Battery			Diode interior relay
				Resistance interior relay	

## TROUBLESHOOTING INSTRUCTIONS (1)

GI-8

## TROUBLESHOOTING INSTRUCTIONS

## TROUBLESHOOTING PROCEDURES

The following five-step troubleshooting procedure is recommended.

**1. Verify the customer's complaints**

Turn on all the components in the problem circuit to check the accuracy of the customer's complaints. Note the symptoms.

Do not begin disassembly or testing until you have narrowed down the probable causes.

**2. Read and analyze the schematic diagram**

Locate the schematic for the problem circuit. Determine how the circuit is supposed to work by tracing the current paths from the power source through the system components to ground. If you do not understand how the circuit should work, read the circuit operation text. Also check other circuits that share with the problem circuit. The name of circuits that share the same fuse, ground, or switch, for example, are referred to on each diagram. Try to operate any shared circuits you did not check in step 1. If the shared circuit works, the shared wiring is okay, and the cause must be within the wiring used only by the problem circuit.

If several circuits fail at the same time, the fuse or ground is a likely cause.

**3. Inspect the circuit/ component with the problem isolated**

Make a circuit test to check the diagnosis you made in step 2. Remember that a logical, simple procedure is the key to efficient troubleshooting. Narrow down the probable causes using the troubleshooting hints and system diagnosis charts.

Test for the most likely cause of failure first.

Try to make tests at points that are easily accessible.

**4. Repair the problem**

Once the problem is found, make the necessary repairs.

**5. Make sure the circuit works**

Repeat the system check to be sure you have repaired the problem. If the problem was a blown fuse, be sure to test all of the circuits on that fuse.

## TROUBLESHOOTING EQUIPMENT

**VOLTMETER AND TEST LAMP**

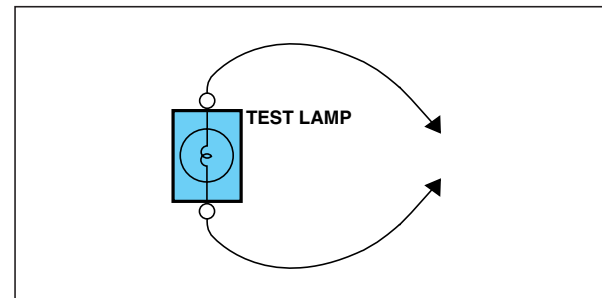
Use a test lamp or a voltmeter on circuits without solidstate units and use a test lamp to check for voltage. A test lamp is made up of a 12-volt light bulb with a pair of leads attached. After grounding one lead, touch the other lead to various points along the circuit where voltage should be present.

When the bulb goes on, there is voltage at the point being tested.

**CAUTION**

**A number of circuits include solid-state modules, such as the Engine Control Module(ECM), used with computer command control injection. Voltage in these circuits should be tested only with a 10-megaohm or higher impedance digital multimeter. Never use a test lamp on circuits that contain solid state modules. Damage to the modules may result.**

A voltmeter can be used in place of a test lamp. While a test lamp shows whether the voltage is present or not, a voltmeter indicates how much voltage is present.

**SELF-POWERED TEST LAMP AND OHMMETER**

Use a self-powered test lamp or an ohmmeter to check for continuity.

The ohmmeter shows how much resistance there is between two points along a circuit. Low resistance means good continuity.



## TROUBLESHOOTING INSTRUCTIONS

### TROUBLESHOOTING INSTRUCTIONS (2)

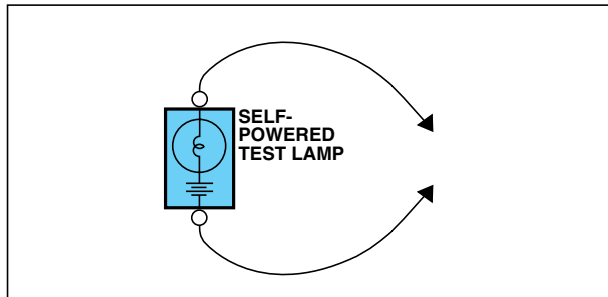
GI-9

#### CAUTION

**Never use a self-powered test lamp on circuits that contain solid state modules. Damage to these modules may result.**

An ohmmeter can be used in place of a self-powered test lamp. The ohmmeter shows how much resistance there is between two points along a circuit. Low resistance means good continuity.

Circuits which include any solid-state devices should be tested only with a 10-megaohm or higher impedance digital multimeter. When measuring resistance with a digital multimeter, the battery negative terminal should be disconnected. Otherwise, there may be incorrect readings. Diodes and solid-state devices in a circuit can make an ohmmeter give a false reading. To find out if a component is affecting a measurement, take one reading, reverse the leads and take a second reading. If different the solid-state device is affecting the measurement.



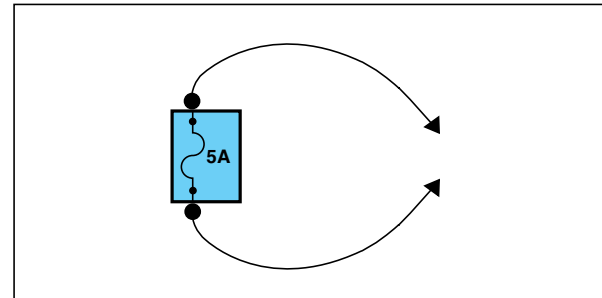
#### JUMPER WIRE WITH FUSE

Use a jumper wire with a fuse to by-pass an open circuit.

A jumper wire is made up of an in-line fuse holder connected to a set of test leads. This tool is available with small clamp connectors providing adaption to most connectors without damage.

#### CAUTION

**Do not use a fuse with a higher rating than the specified fuse that protects the circuit being tested. Do not use this tool in any situation to substitute an input or output at the solid-state control module, such as ECM, TCM, etc.**



#### SHORT FINDER

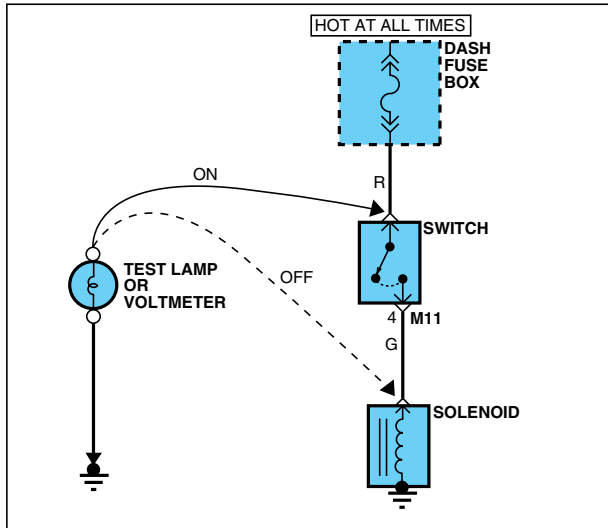
A short finder is available to locate a short to ground. The short finder creates a pulsing magnetic field in the shorted circuit and shows you the location of the short through body trim or sheet metal.

#### TROUBLESHOOTING TEST

##### 1. TESTING FOR VOLTAGE

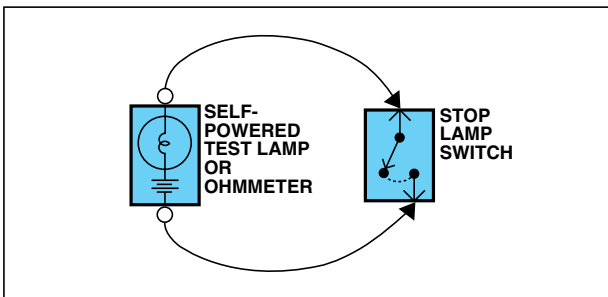
This test measures voltage in a circuit. When testing for voltage at a connector, you do not have to separate the two halves of the connector. Instead, probe the connector from the back(backprobe). Always check both sides of the connector because dirt and corrosion between its contact surfaces can cause electrical problems.

- A. Connect one lead of a test lamp or voltmeter to a ground. If you are using a voltmeter, be sure it is the voltmeter's negative test lead you have connected to ground.
- B. Connect the other lead of the test lamp or voltmeter to a selected test point(connector or terminal).
- C. If the test lamp glows, there is voltage present. If you are using a voltmeter, note the voltage reading. A loss of more than 1 volt from specification indicates a problem.



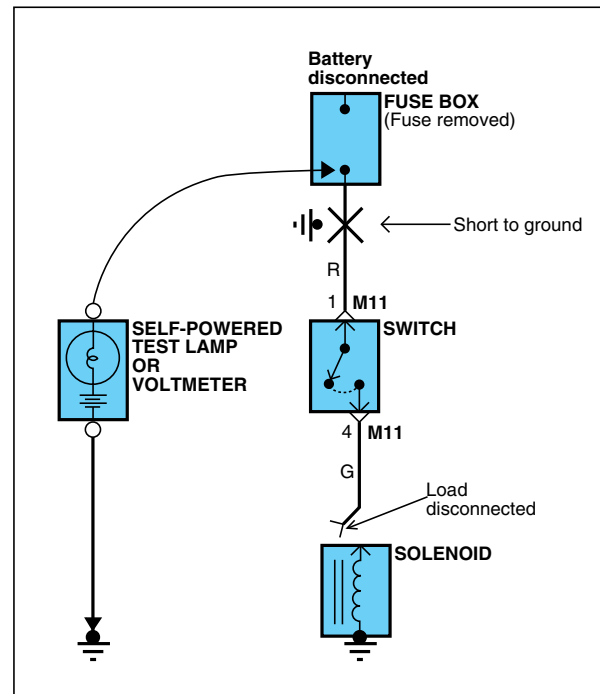
**2. TESTING FOR CONTINUITY**

- A. Disconnect the battery negative terminal.
- B. Connect one lead of a self-powered test lamp or ohmmeter to one end of the part of the circuit you wish to test. If you are using an ohmmeter, hold the leads together and adjust the ohmmeter to read zero ohms.
- C. Connect the other lead to the other end.
- D. If the self-power test lamp glows, there is continuity. If you are using an ohmmeter, low or zero resistance means good continuity.



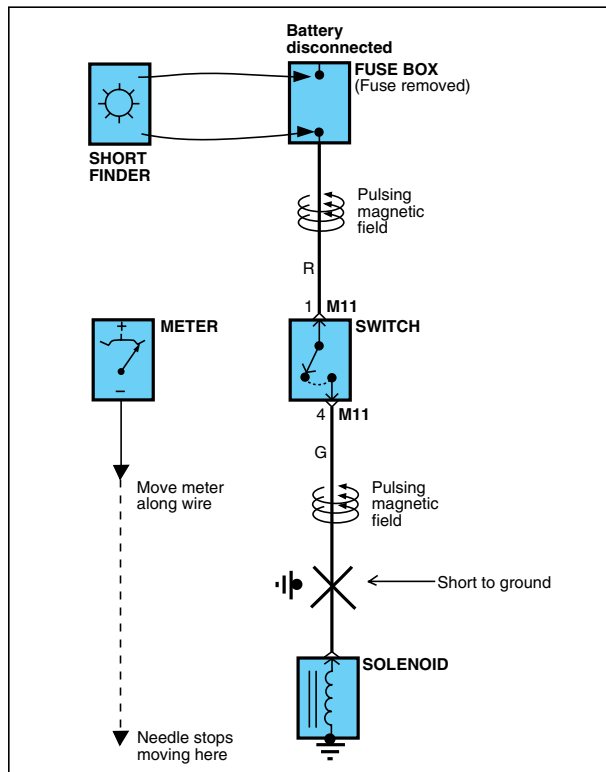
**3. TESTING FOR SHORT TO GROUND**

- A. Disconnect the battery negative terminal.
- B. Connect one lead of a self-powered test lamp or an ohmmeter to the fuse terminal on the load side.
- C. Connect the other lead to a ground.
- D. Beginning near the fuse block move the harness from side to side. Continue this procedure (about six inches apart) while watching the self-powered test lamp or ohmmeter.
- E. When the self-powered test lamp glows, or ohmmeter registers, there is a short to a ground in the wiring near that point.



## 4. TESTING FOR A SHORT WITH A SHORT FINDER

- A. Remove the blown fuse. Leave the battery connected.
- B. Connect the short finder across the fuse terminals.
- C. Close all switches in series in the circuit that is being testing.
- D. Turn on the short circuit locator. It sends pulses of current to the short.  
This creates a pulsing magnetic field around the wiring between the fuse box and the short.
- E. Beginning at the fuse box, slowly move the short finder along the circuit wiring. The meter will show current pulses through sheet metal and body trim. As long as the meter is between the fuse and the short, the needle will move with each current pulse. Once the meter is moved past the point of the short, the needle will stop moving. Check around this area to locate the cause of the short circuit.



FUSE & RELAY INFORMATION (1)

SD100-1

FUSE BOX

<D4DD>

FUSE 1 15A	FUSE 2 5A	FUSE 3 10A	FUSE 4 10A	FUSE 5 15A	FUSE 6 5A	FUSE 7 5A	FUSE 8 10A	FUSE 9 10A	FUSE 10 15A	FUSE 11 10A	FUSE 12 10A
X	FUSE 14 15A	FUSE 15 10A	FUSE 16 20A	FUSE 17 10A	FUSE 18 15A	FUSE 19 10A	FUSE 20 20A	FUSE 21 20A	X	FUSE 23 10A	FUSE 24 15A
FUSE 25 10A	FUSE 26 10A	FUSE 27 10A	FUSE 28 10A	FUSE 29 10A	FUSE 30 10A	FUSE 31 10A	FUSE 32 5A	FUSE 33 20A	FUSE 34 15A	FUSE 35 10A	FUSE 36 15A

<D4AF/D4AL>

FUSE 1 15A	FUSE 2 5A	FUSE 3 10A	FUSE 4 10A	FUSE 5 15A	FUSE 6 5A	FUSE 7 5A	X	FUSE 9 15A	X	FUSE 11 10A	FUSE 12 10A
FUSE 13 20A	FUSE 14 10A	FUSE 15 10A	FUSE 16 10A	FUSE 17 10A	FUSE 18 15A	FUSE 19 15A	X	X	X	FUSE 23 10A	FUSE 24 15A
FUSE 25 10A	FUSE 26 10A	FUSE 27 10A	FUSE 28 10A	FUSE 29 10A	FUSE 30 10A	FUSE 31 10A	X	FUSE 33 15A	FUSE 34 15A	X	FUSE 36 15A

※ USE THE DESIGNATED FUSE ONLY

## FUSE & RELAY INFORMATION

### FUSE & RELAY INFORMATION (2)

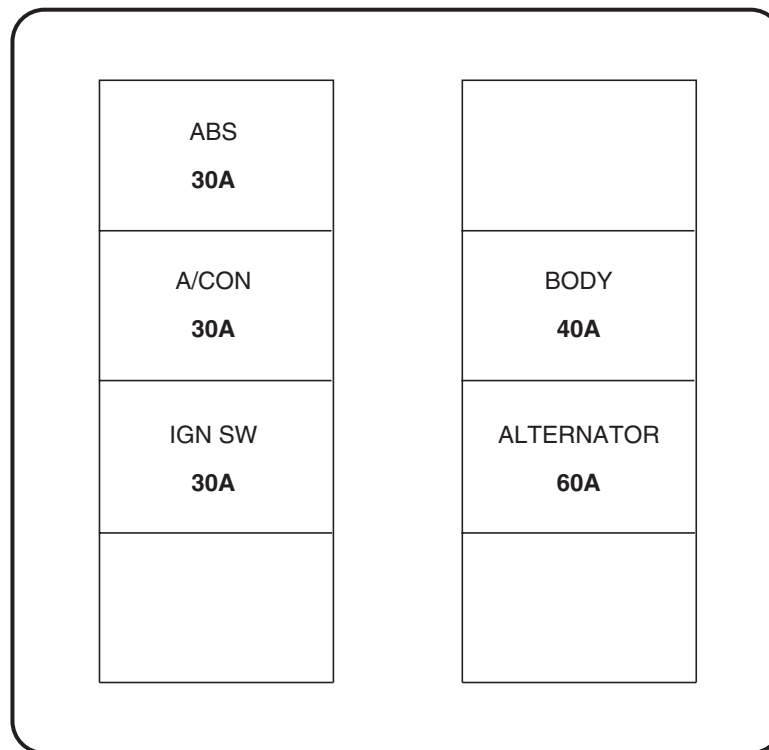
SD100-2

#### CIRCUIT

Fuse	Description	(A)	Circuit protected
1	WORKING LAMP	15A	Working lamp switch
2	HEAD LP (RELAY)	5A	Head lamp leveling actuator(D4AF/D4AL), Head lamp leveling switch(D4AF/D4AL), Head lamp relay(High/Low)
3	A/CON	10A	Mode switch, Intake switch, A/C switch, Evaporator sensor, Blower relay, Condenser fan relay
4	D4AF/D4AL(COLD START), D4DD(TACHOGRAPH, GLOW, ABS), EXH. BRAKE	10A	Cold start switch(D4AF/D4AL), Exhaust brake clutch pedal position switch(D4AF/D4AL), Tachograph, High speed warning device(D4AF/D4AL), High speed warning buzzer(D4AF/D4AL), Glow relay(D4DD), Fuel heater relay(D4DD), Exhaust brake relay(D4DD), ABS relay
5	WIPER WASHER	15A	Wiper motor, Washer motor, Wiper relay(High/Low)
6	A. B. S (ECU)	5A	ABS control module
7	P. T. O (OPT)	5A	PTO relay, Dump relay, PTO control switch
8	D4DD(ENG ECU)	10A(D4DD)	Main ECM(D4DD)
9	D4AF/D4AL(SUB START), D4DD(ENG ECU, EXH BRAKE)	15A(D4AF/D4AL) 10A(D4DD)	Neutral switch(D4AF/D4AL), Main ECM(D4DD), Exhaust brake relay(D4DD)
10	D4DD(SUB START)	15A(D4DD)	Neutral switch(D4DD)
11	D4AF/D4AL(OVERHEAT BZ), REVERSE LP, SPD SENSOR	10A	Overheat buzzer relay(D4AF/D4AL), Vehicle speed sensor, Back-up lamp switch, Water separator sensor(D4DD), Generator(D4DD)
12	D4AF/D4AL(ALTR (R)), CLUSTER, ETACS	10A	Instrument cluster(Indicator), ETACM, Generator(D4AF/D4AL)
13	D4AF/D4AL(P/WINDOW)	20A	Power window relay(D4AF/D4AL)
14	D4AF/D4AL(STOP LP, HORN) D4DD(HEAT'G MIRROR)	10A(D4AF/D4AL) 15A(D4DD)	Data link connector(D4AF/D4AL), Stop lamp switch(D4AF/D4AL), Horn(D4AF/D4AL), Outside mirror defogger relay(D4DD)
15	HAZARD, T/SIG LP, CAB TILT'G	10A	Cab tilting switch, Flasher unit
16	D4AF/D4AL(RR FOG LAMP) D4DD(P/WINDOW)	10A(D4AF/D4AL) 20A(D4DD)	Rear fog lamp relay(D4AF/D4AL), Rear fog indicator relay(D4AF/D4AL), Power window relay(D4DD)
17	C/DOOR LOCK	10A	Power door lock relay, Power door unlock relay
18	A. B. S (VALVE)	15A	ABS relay box(Fail safe relay)
19	D4AF/D4AL(HEAT'G MIRROR) D4DD(STOP LP, HORN, DIAG CONN)	15A(D4AF/D4AL) 10A(D4DD)	Outside mirror defogger relay(D4AF/D4AL), Data link connector(D4DD), Stop lamp switch(D4DD), Horn(D4DD), Horn relay(D4DD)
20	D4DD(ENG ECU)	20A(D4DD)	Engine ECM relay(D4DD), Main ECM(D4DD)
21	D4DD(FUEL HEATER)	20A(D4DD)	Fuel heater relay(D4DD)
23	D4DD(ETACS, TACHOGRAPH), AUDIO, ROOM LP, CLOCK	10A	Instrument cluster(Clock), ETACM, Audio, Front room lamp, Rear room lamp, Tachograph
24	START MOTOR	15A	ETACM(D4AF/D4AL), Start solenoid, Sub start switch, Main ECM(D4DD)
25	HEAD LP (DIM. LH)	10A	Head lamp LH(Lo)
26	HEAD LP (DIM. RH)	10A	Head lamp RH(Lo)
27	HEAD LP (MAIN. LH)	10A	Head lamp LH(Hi), Instrument cluster(High-beam indicator)
28	HEAD LP (MAIN. RH)	10A	Head lamp RH(Hi)
29	TAIL LP (LH)	10A	Hazard switch, Defogger switch, A/C switch, Front fog lamp switch, License lamp, Rear combination lamp LH, Rear fog lamp switch(D4AF/D4AL), Rear marker lamp LH(D4AF/D4AL), Front outside marker lamp(D4AF/D4AL), Cigarette lighter(D4DD)
30	TAIL LP (RH)	10A	Position lamp RH, Front room lamp, Endout marker lamp, Rear combination lamp RH, Rear marker lamp RH(D4AF/D4AL), Rear outside marker lamp(D4AF/D4AL)
31	FOG LAMP	10A	Front fog lamp relay
32	D4DD(ENG ECU)	5A(D4DD)	Engine PTO cab in switch(D4DD), Accelerator pedal sensor(D4DD), Exhaust brake clutch pedal position switch(D4DD), Stop lamp switch(D4DD), Multifunction switch(Exhaust brake switch)(D4DD), Idle up/down switch(D4DD)
33	D4AF/D4AL(CONDENSER FAN) D4DD(A/C COMP, CONDENSER)	15A(D4AF/D4AL) 20A(D4DD)	Condenser fan relay, A/C relay
34	HEATER BLOWER	15A	Blower relay
35	D4DD(ETACS)	10A(D4DD)	Not used(D4DD)
36	CIGAR, AUDIO, CLOCK	15A	Cigarette lighter, Audio, Instrument cluster(Clock)

**✘ USE THE DESIGNATED FUSE ONLY**

FUSIBLE LINK BOX



CIRCUIT

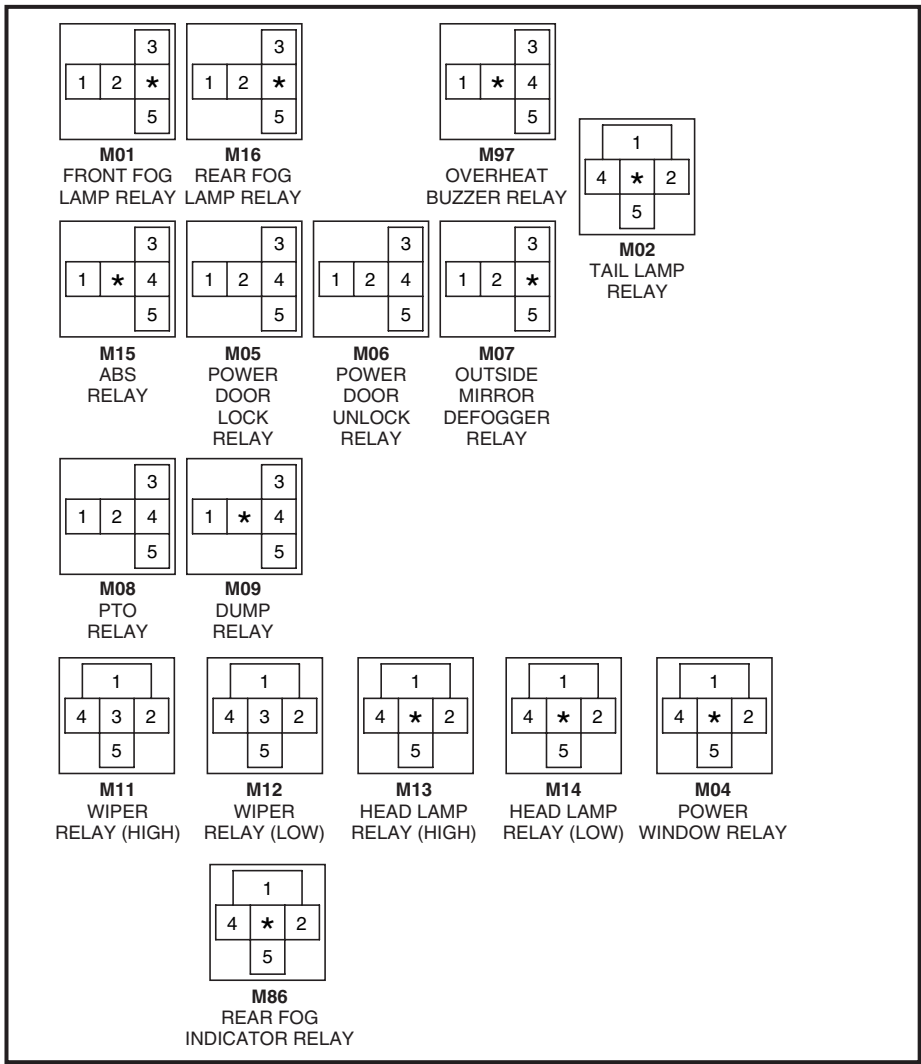
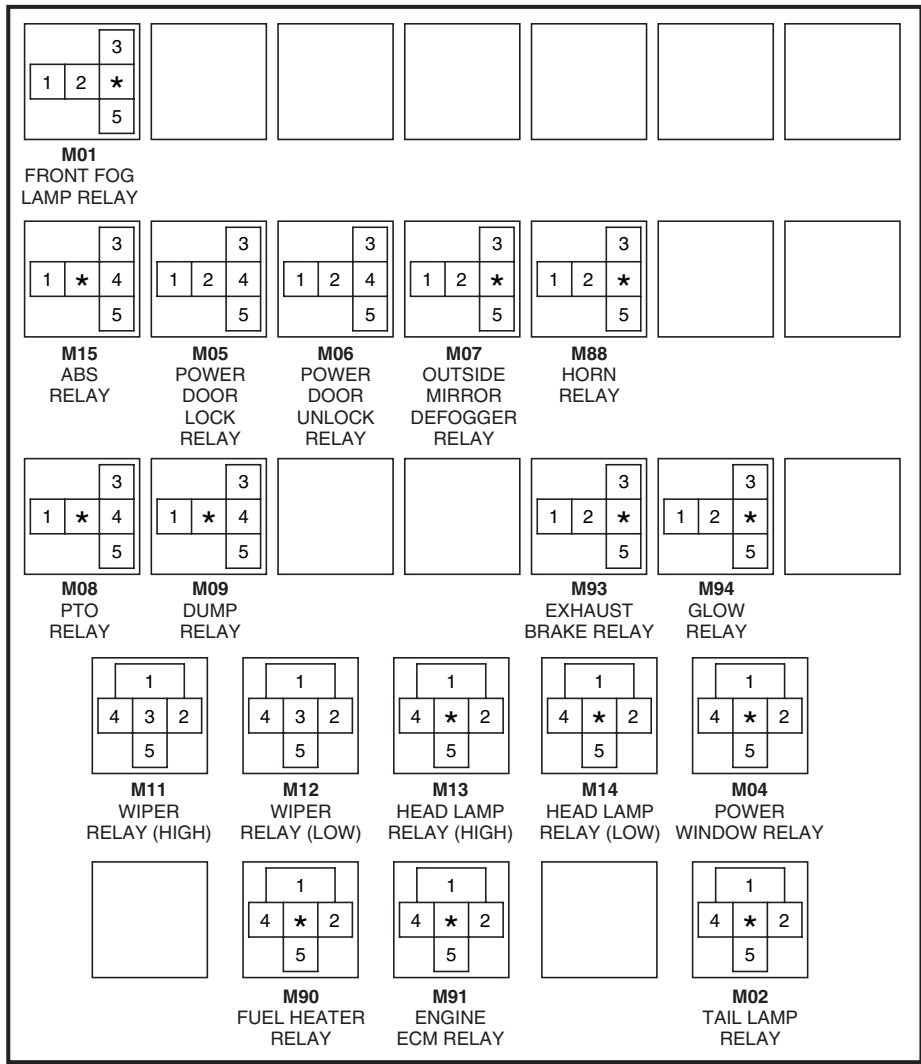
Description	(A)	Circuit protected
ABS	30A	ABS relay box(Pump motor relay)
A/CON	30A	Fuse box(Fuse 33, Fuse 34)
IGN SW	30A	Ignition switch
BODY	40A	Relay box(Head lamp relay (High/Low), Tail lamp relay), Fuse box(D4AF/D4AL(Fuse 13~19), D4DD(Fuse 15~21), Fuse 31)
ALTERNATOR	60A	Generator

※ USE THE DESIGNATED FUSE ONLY

<D4DD>

RELAY BOX

<D4AF/D4AL>



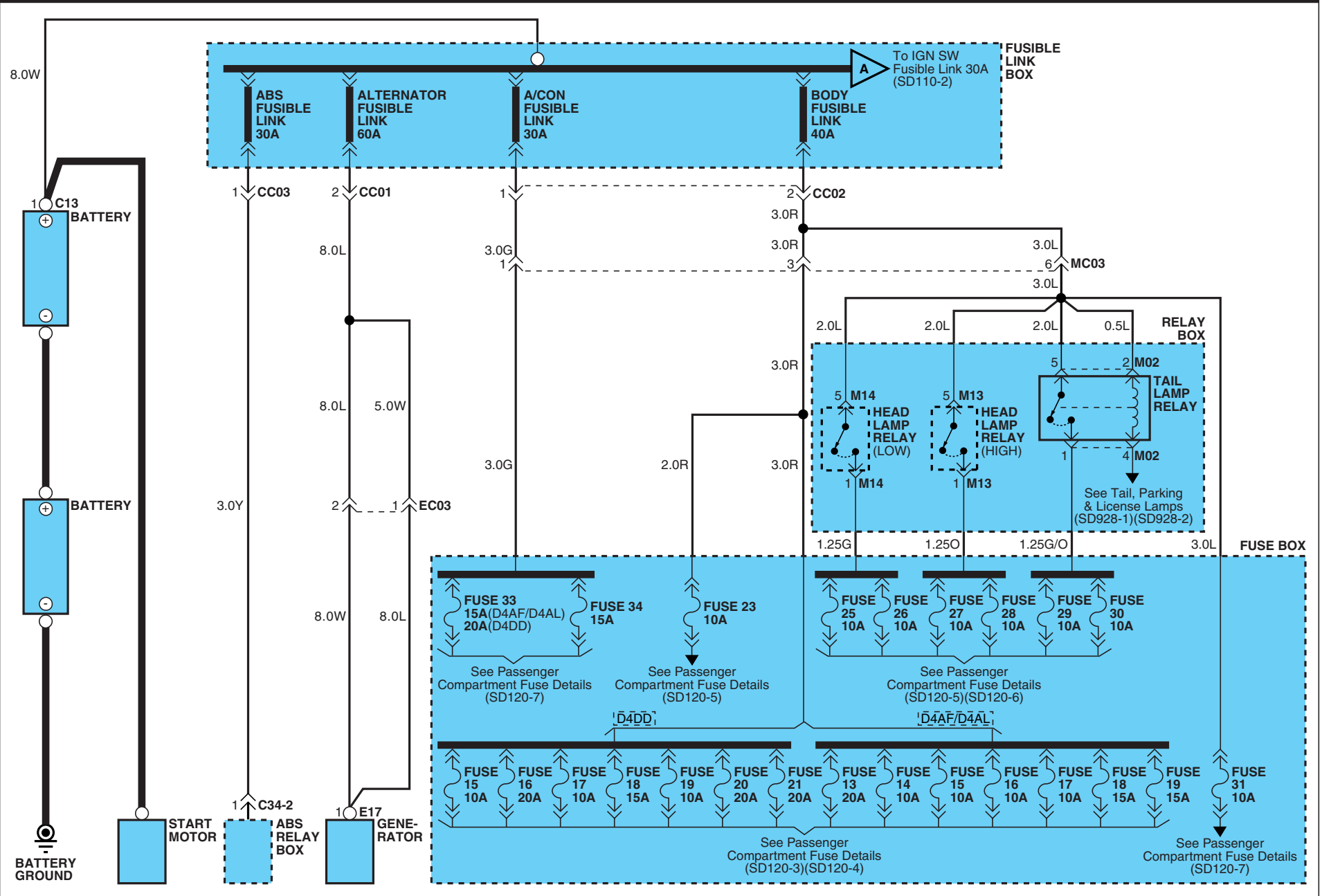
※ USE THE DESIGNATED FUSE ONLY

**POWER DISTRIBUTION**

EA007534

**POWER DISTRIBUTION (1)**

**SD110-1**

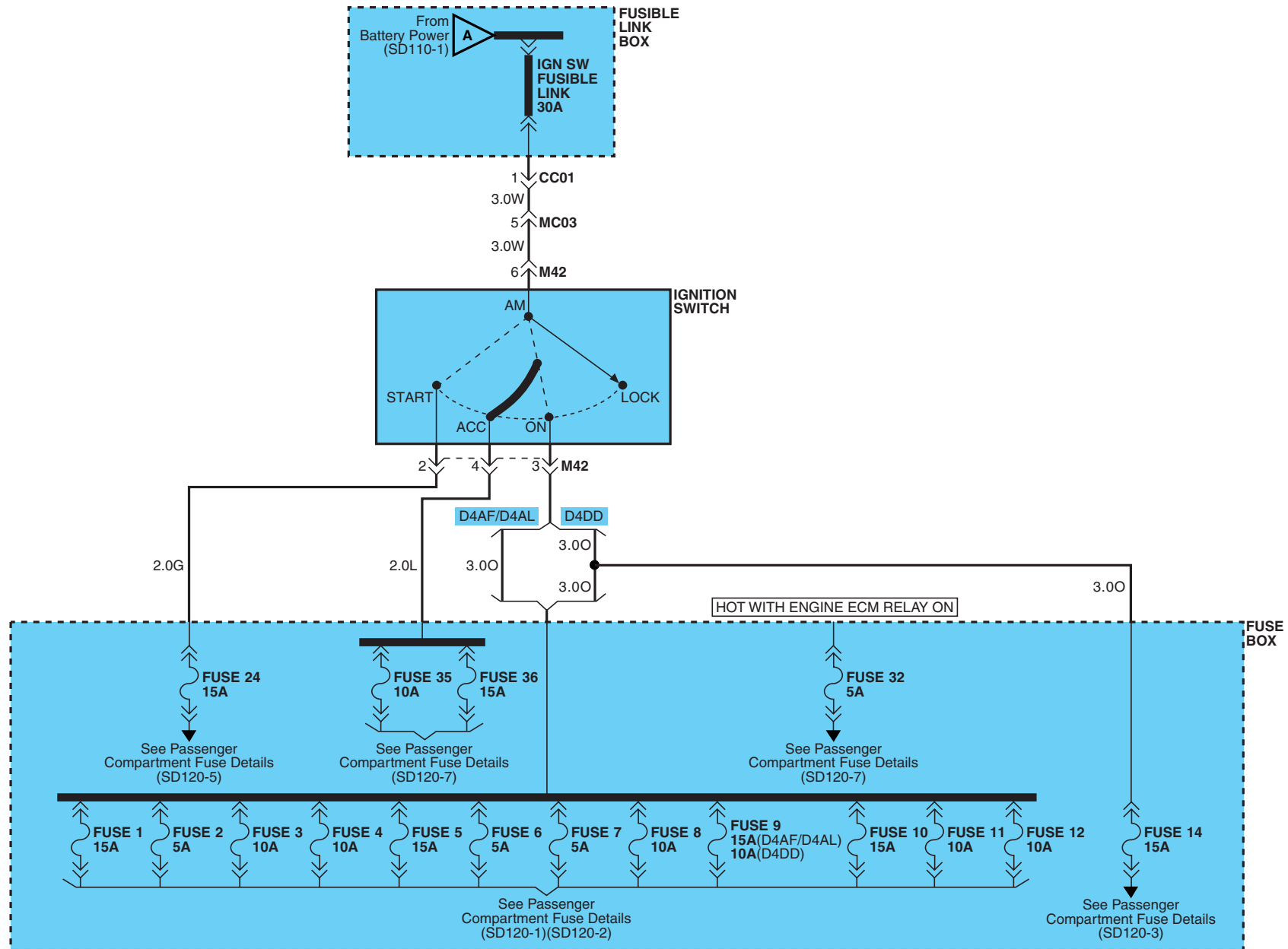




**POWER DISTRIBUTION**

**POWER DISTRIBUTION (2)**

**SD110-2**

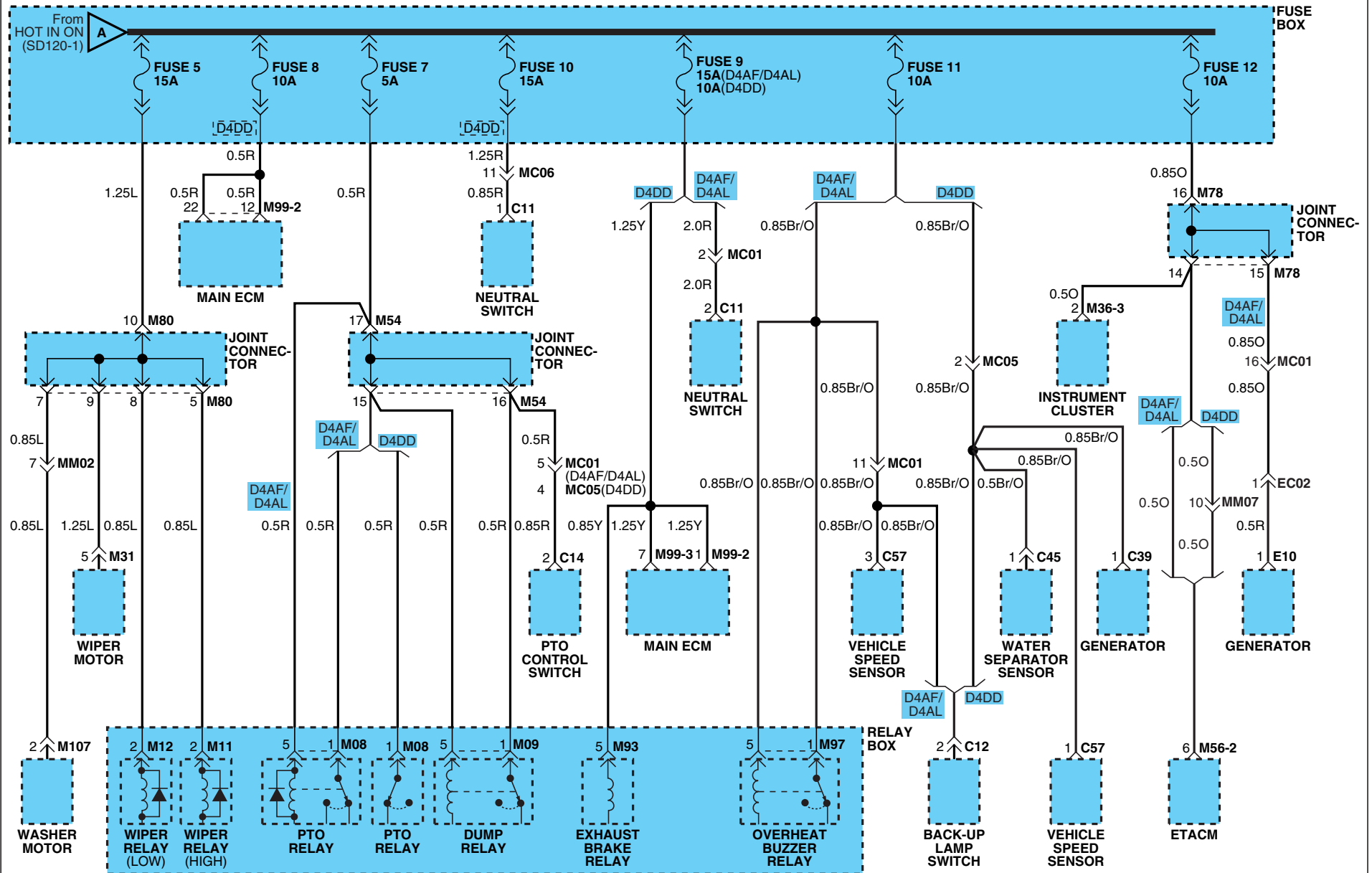




# PASSENGER COMPARTMENT FUSE DETAILS

## PASSENGER COMPARTMENT FUSE DETAILS (2)

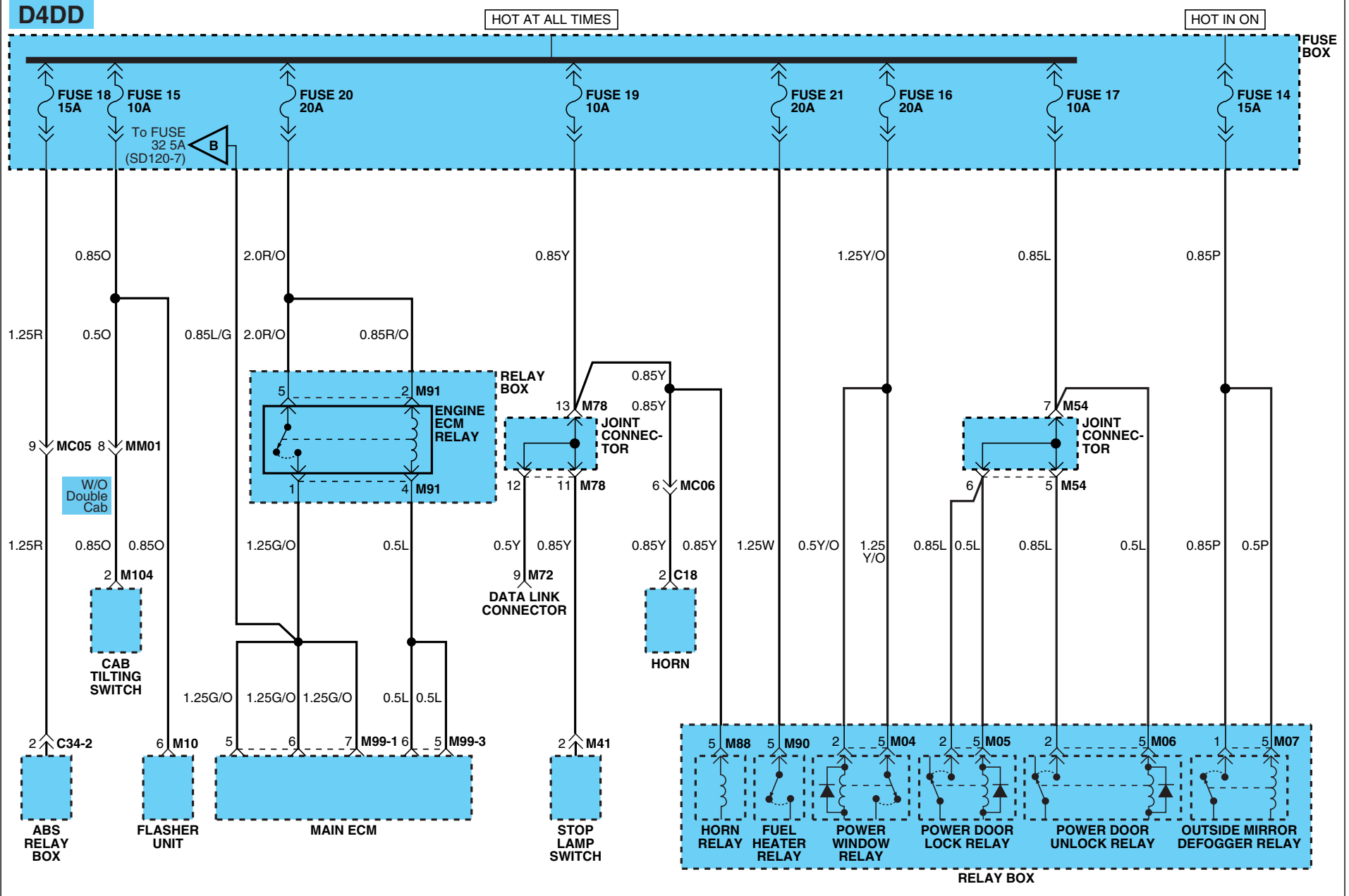
SD120-2



# PASSENGER COMPARTMENT FUSE DETAILS

## PASSENGER COMPARTMENT FUSE DETAILS (3)

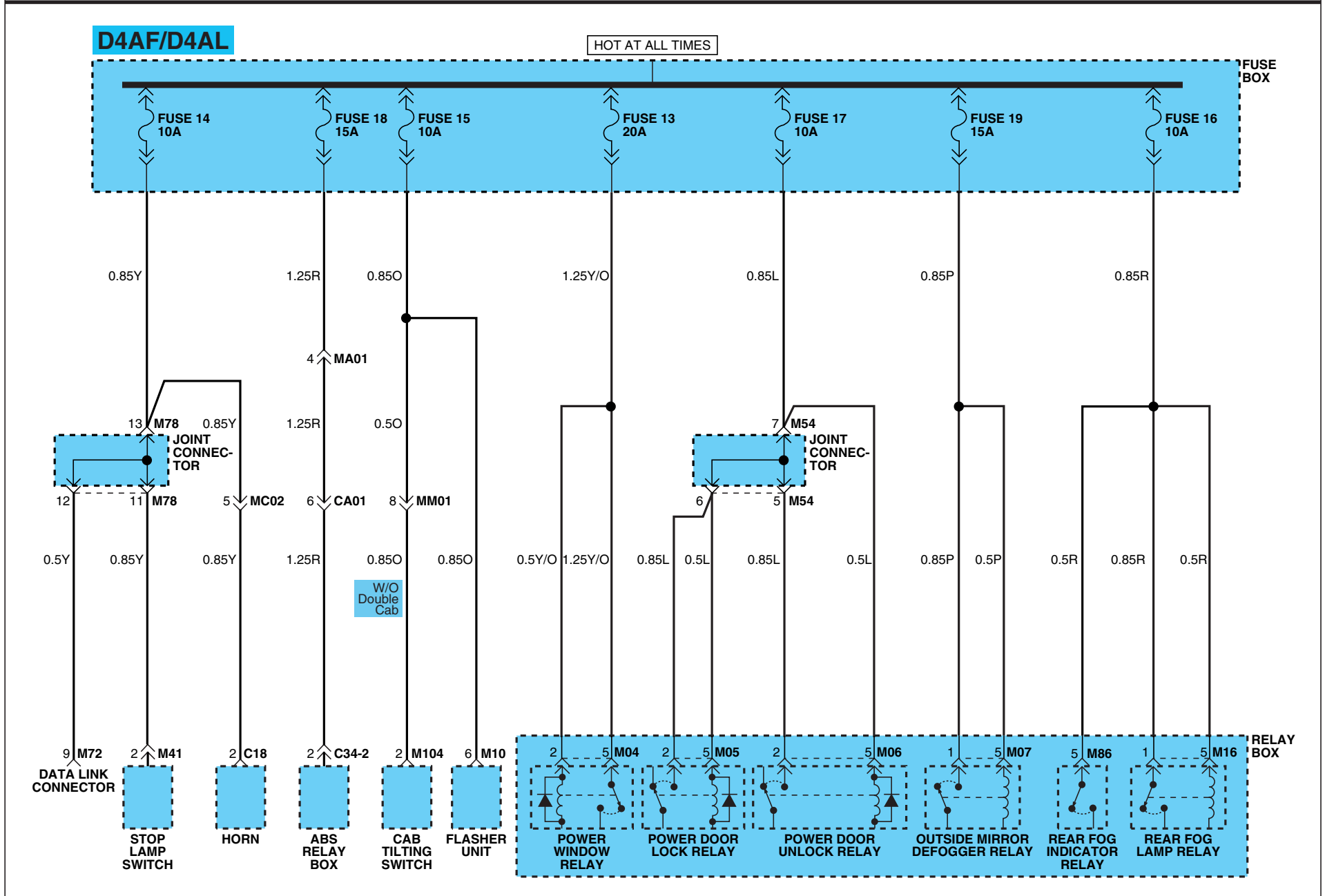
SD120-3



# PASSENGER COMPARTMENT FUSE DETAILS

## PASSENGER COMPARTMENT FUSE DETAILS (4)

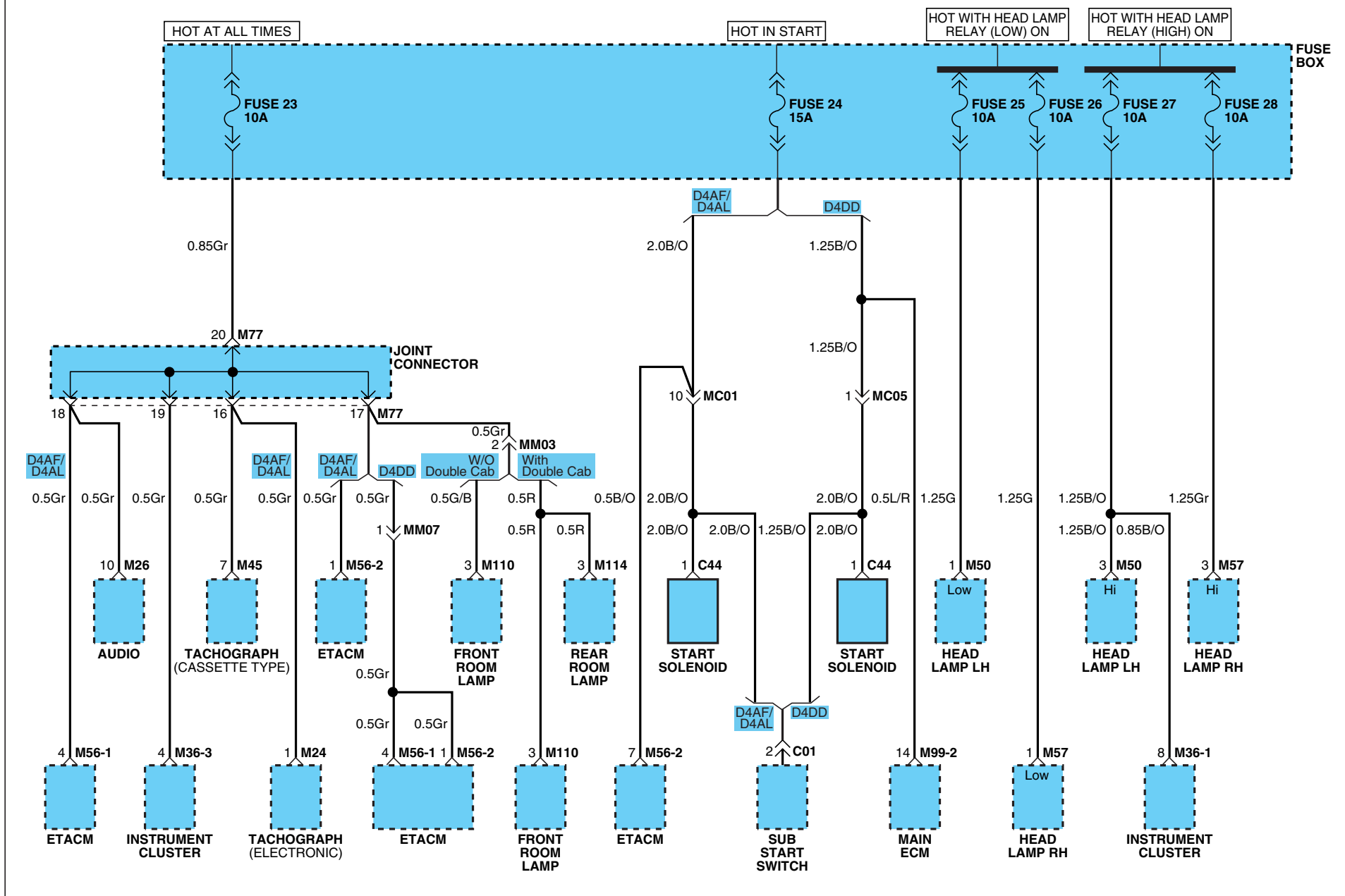
SD120-4



# PASSENGER COMPARTMENT FUSE DETAILS

## PASSENGER COMPARTMENT FUSE DETAILS (5)

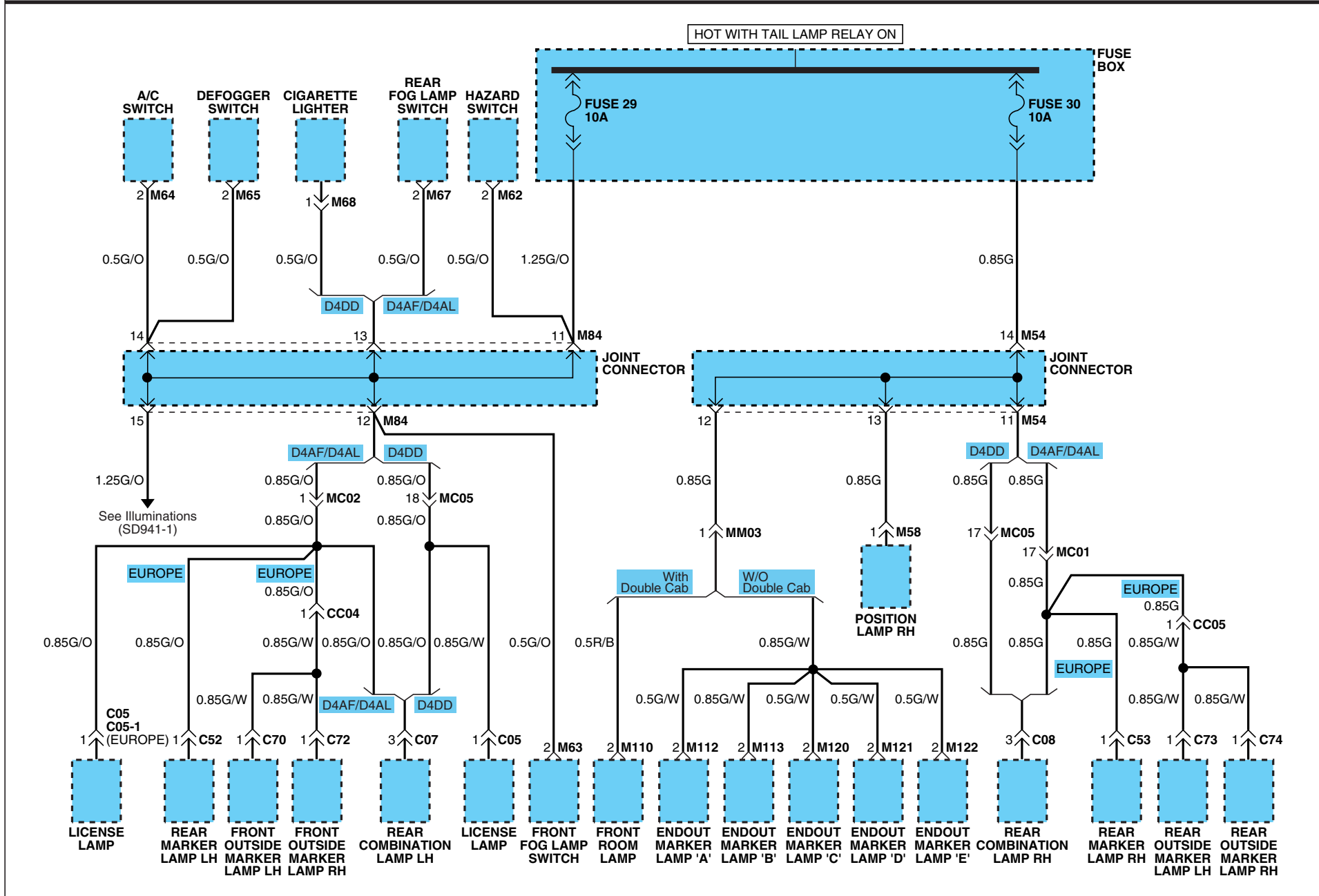
SD120-5



# PASSENGER COMPARTMENT FUSE DETAILS

## PASSENGER COMPARTMENT FUSE DETAILS (6)

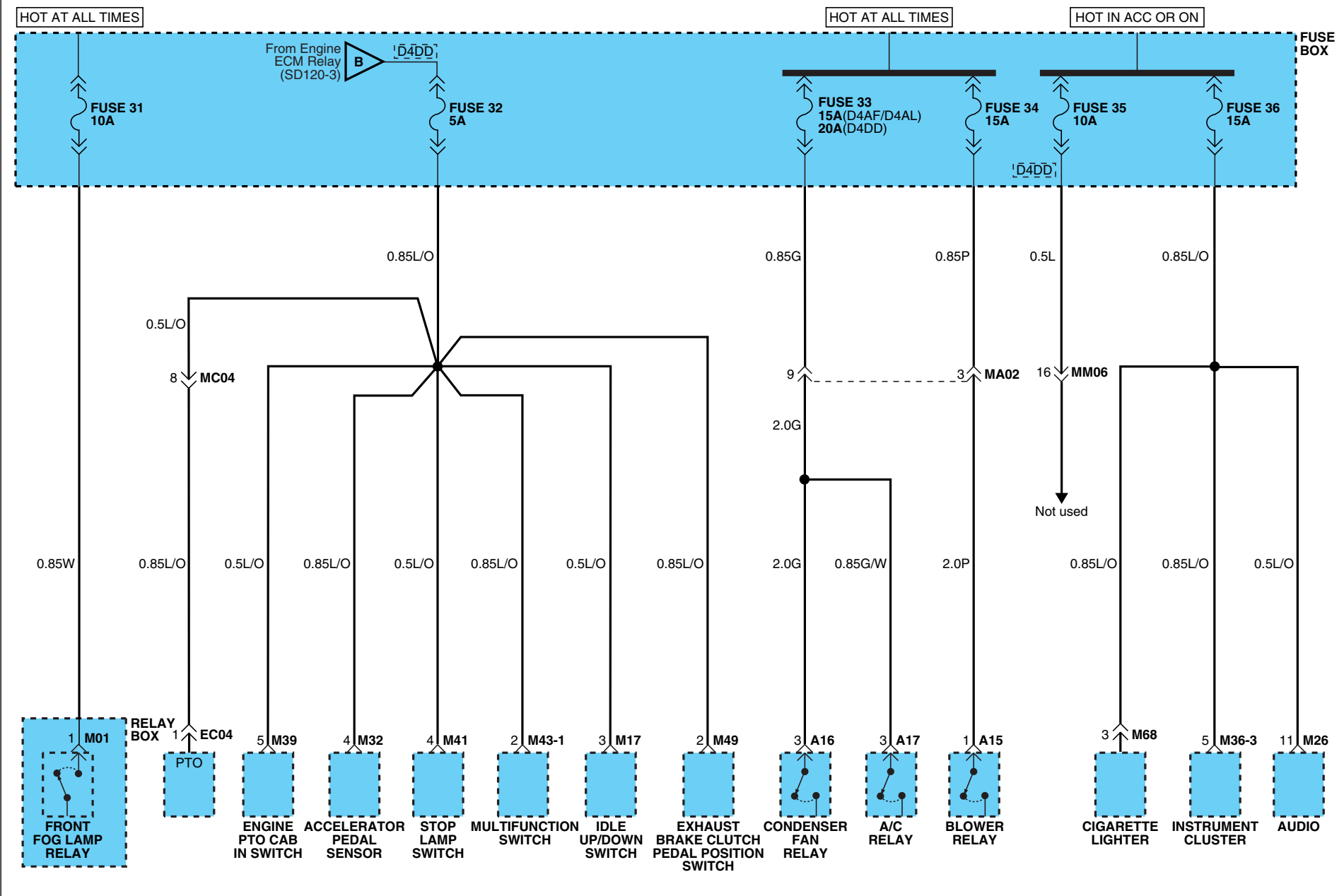
SD120-6



# PASSENGER COMPARTMENT FUSE DETAILS

## PASSENGER COMPARTMENT FUSE DETAILS (7)

SD120-7





**PASSENGER COMPARTMENT FUSE DETAILS**

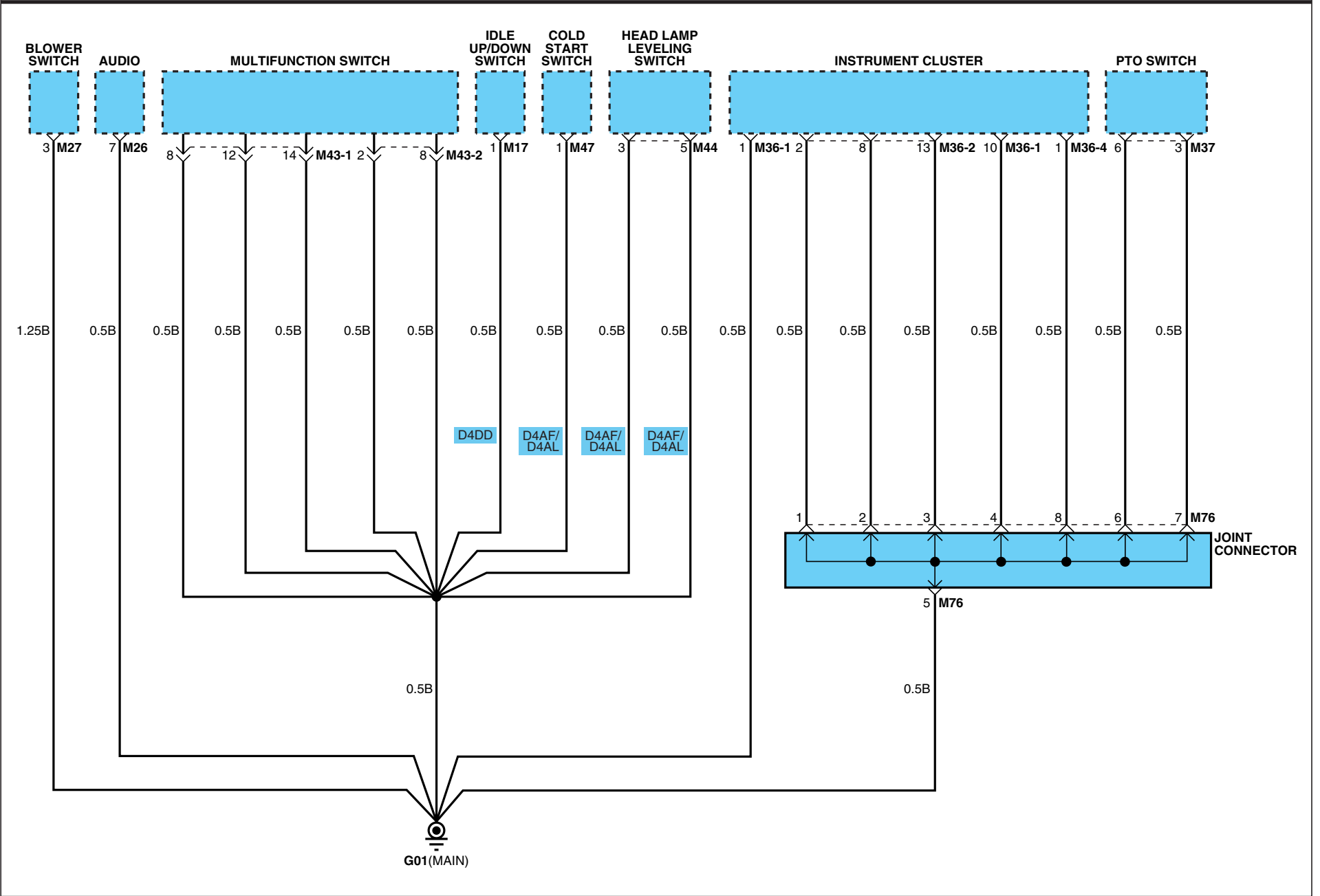
**PASSENGER COMPARTMENT FUSE DETAILS (8)**

**SD120-8**

**MEMO**

GROUND DISTRIBUTION (1)

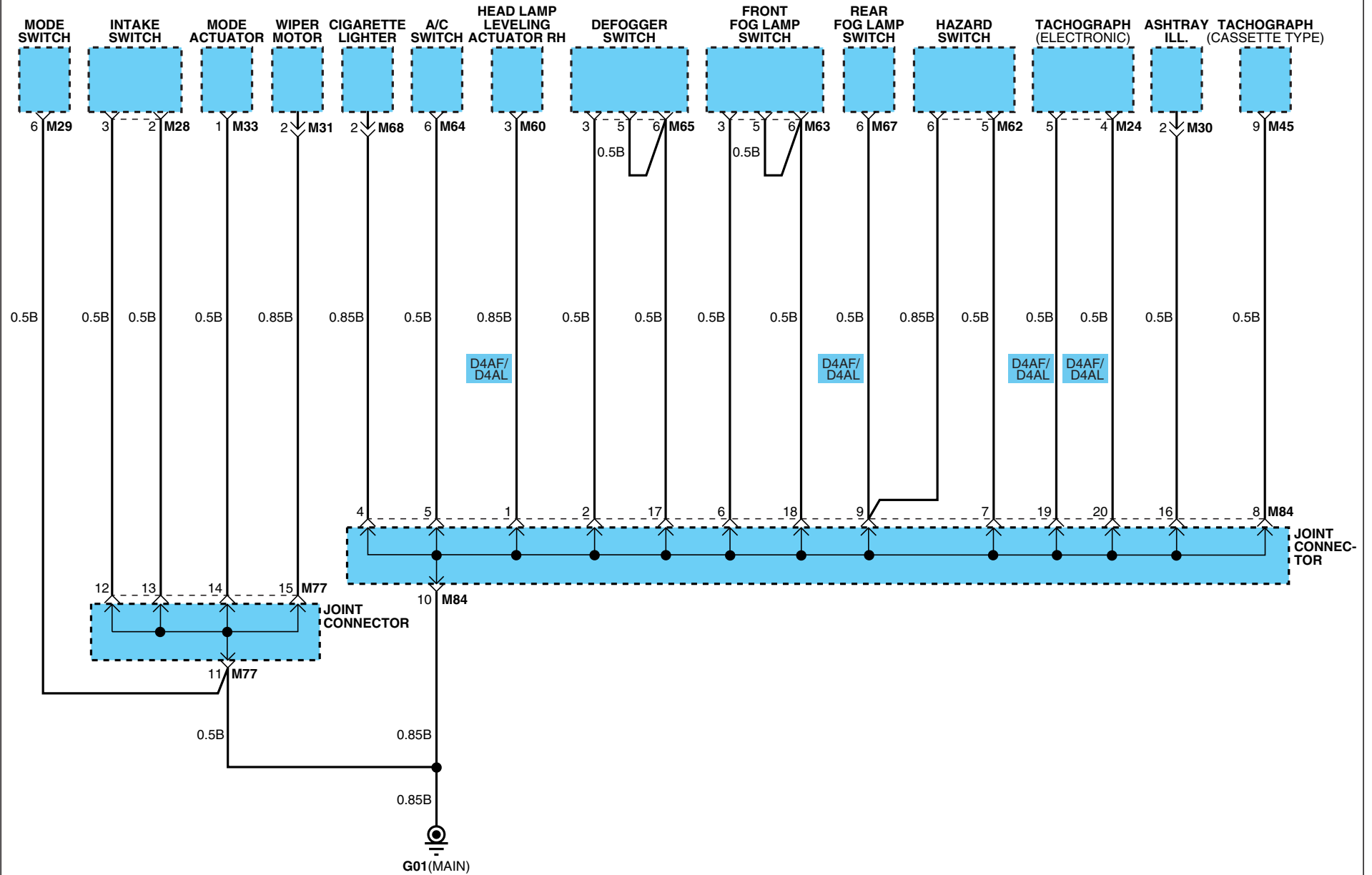
SD130-1



# GROUND DISTRIBUTION

## GROUND DISTRIBUTION (2)

SD130-2

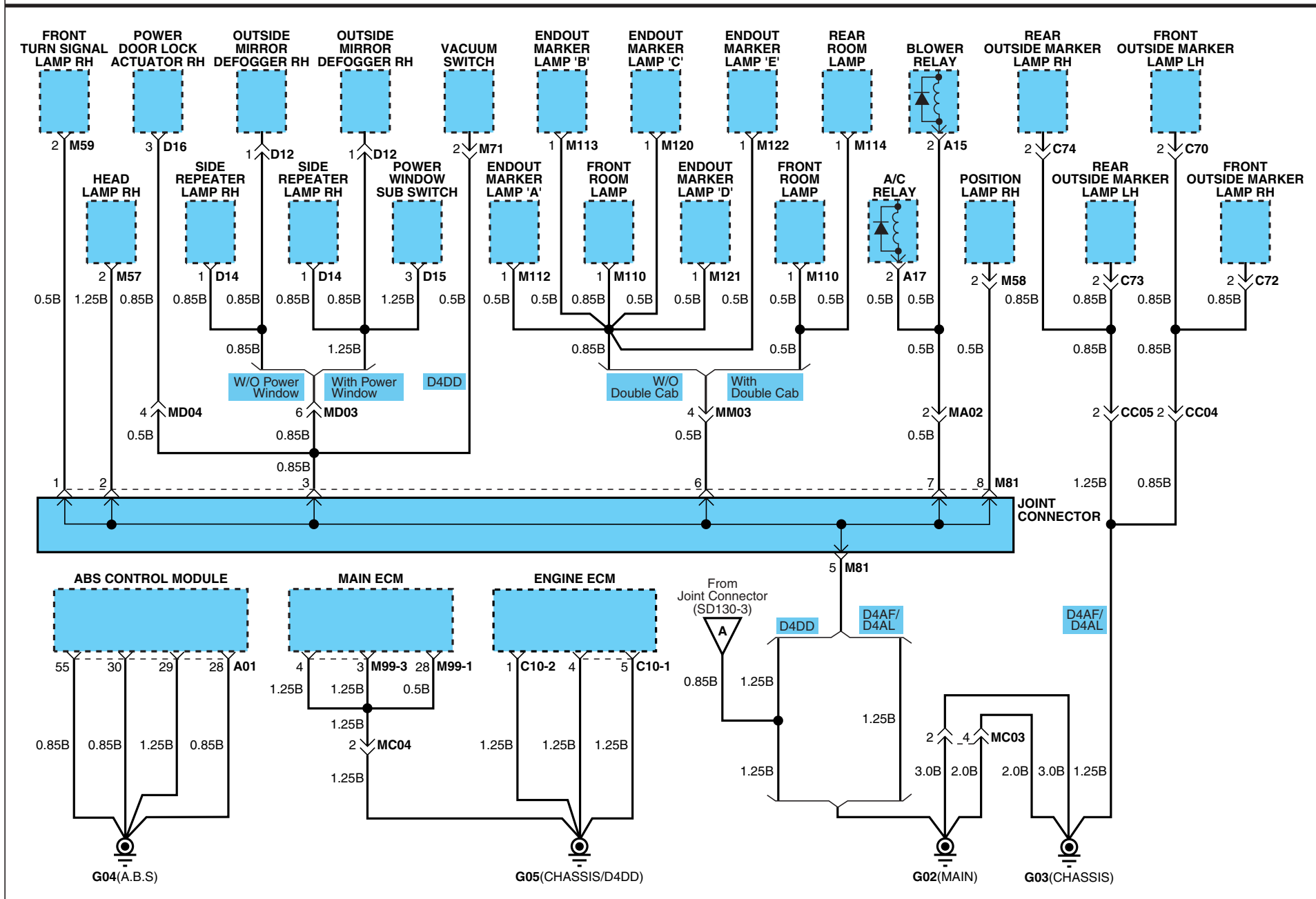




# GROUND DISTRIBUTION

## GROUND DISTRIBUTION (4)

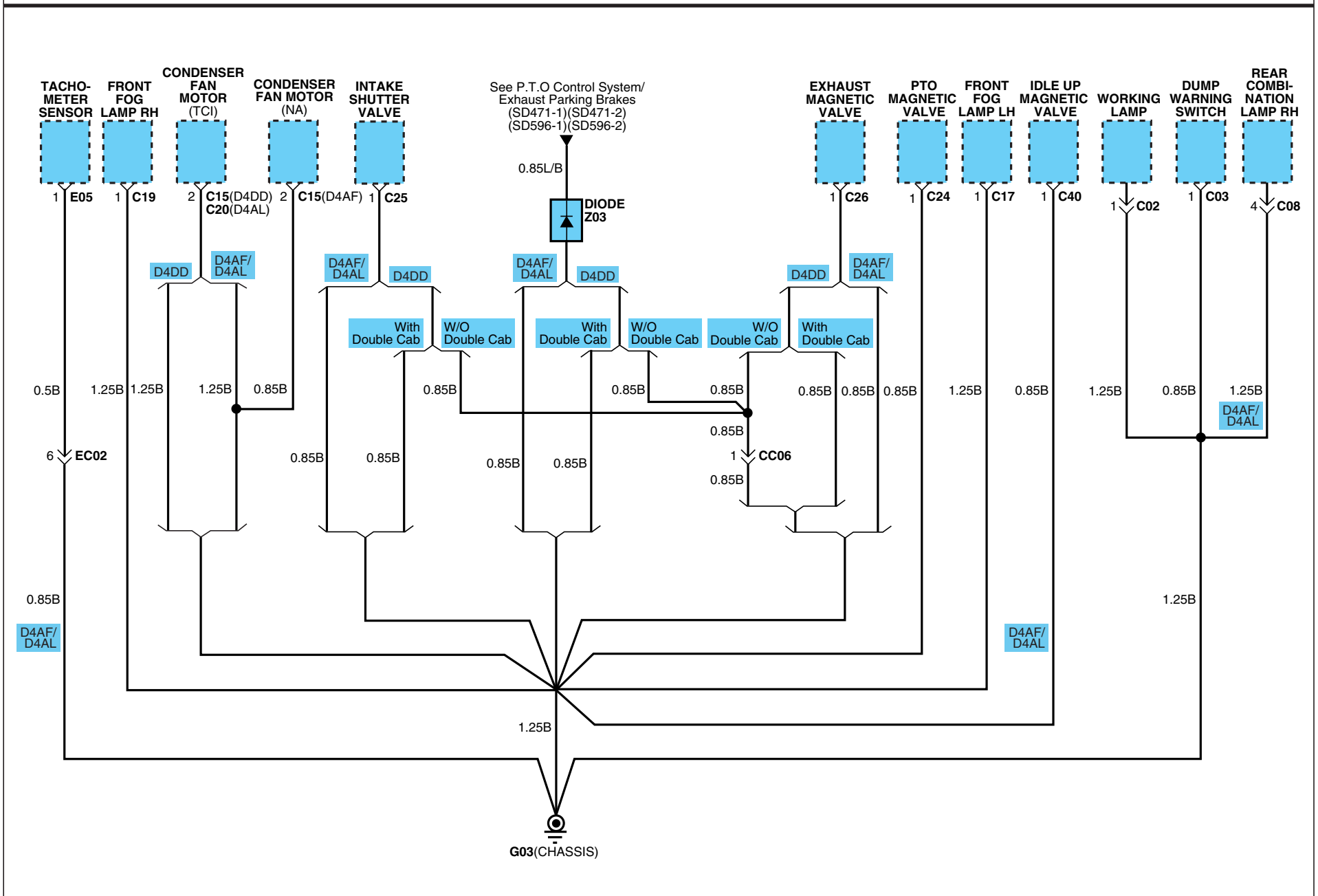
SD130-4



# GROUND DISTRIBUTION

## GROUND DISTRIBUTION (5)

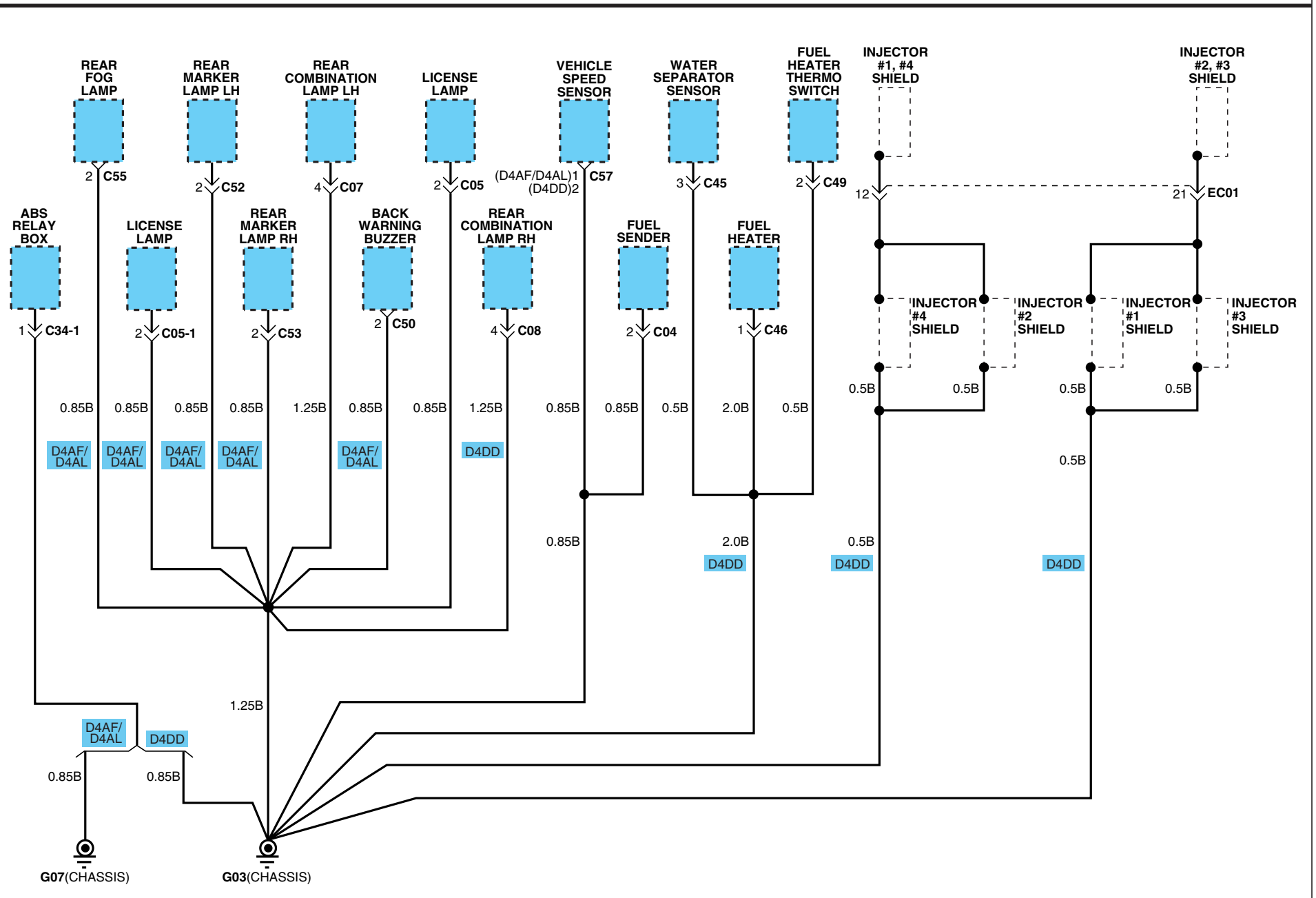
SD130-5



# GROUND DISTRIBUTION

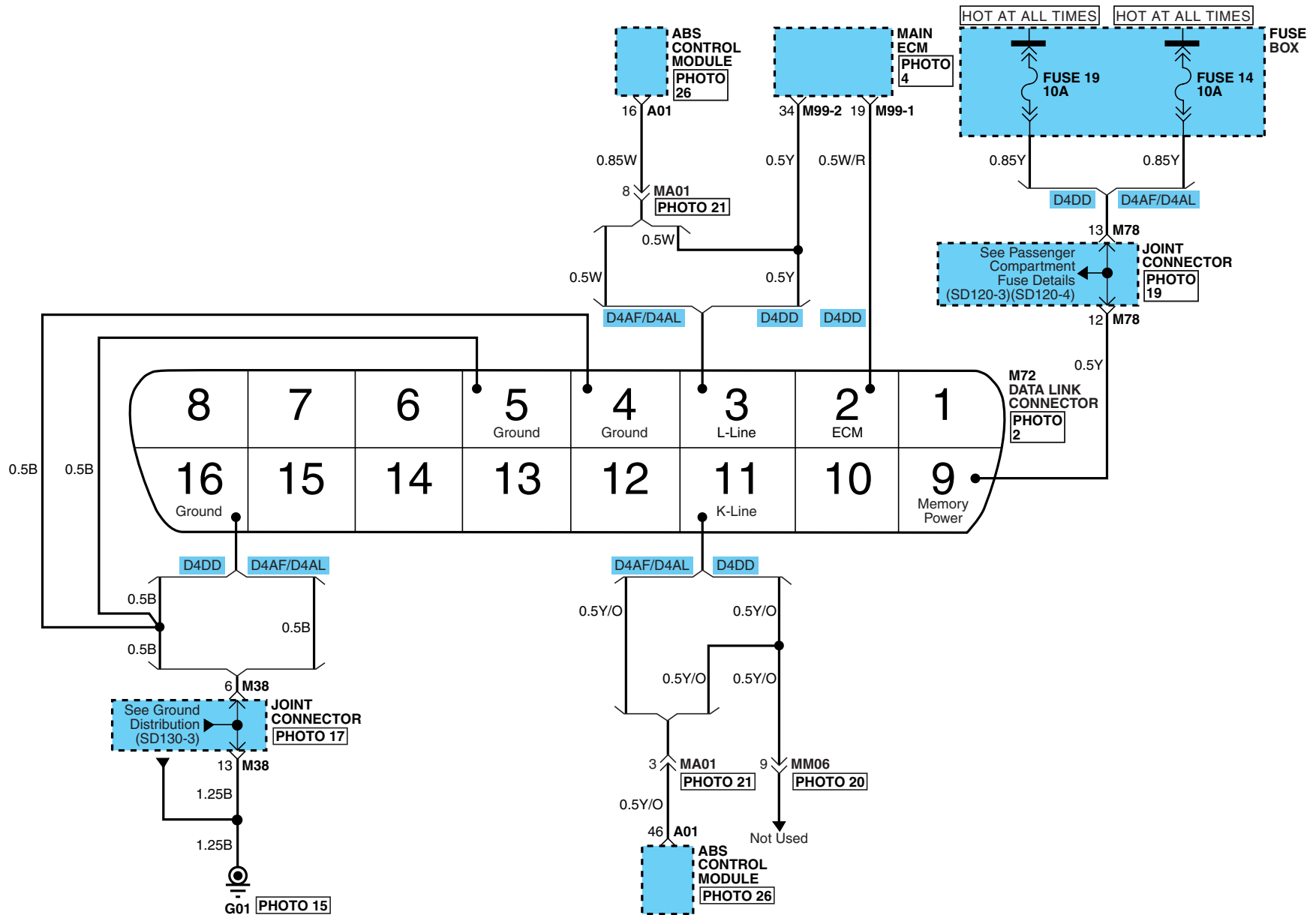
## GROUND DISTRIBUTION (6)

SD130-6



DATA LINK DETAILS (1)

SD200-1





**DATA LINK DETAILS**

**DATA LINK DETAILS (2)**

**SD200-2**

**A01**

28	*	26	25	*	*	*	*	*	19	*	*	16	*	14	13	12	11	10	9	*	7	6	5	*	*	*	1
55	54	53	*	*	*	49	48	*	46	45	*	*	*	*	40	39	*	37	*	35	34	33	*	31	30	29	
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

CR55F005

**M72(D4AF/D4AL)**

*	*	*	*	*	3	*	*
16	*	*	*	*	11	*	9

CR16F007

**M72(D4DD)**

*	*	*	5	4	3	2	*
16	*	*	*	*	11	*	9

CR16F044

**M99-1**

7	6	5	*	*	*	*
*	*	*	*	*	*	9
27	*	*	23	22	21	19
*	*	32	*	*	*	28

CR34F003

**M99-2**

7	6	5	*	*	2	1
19	*	17	16	15	14	13
*	*	25	24	23	22	21
*	34	* 32	31	*	*	*

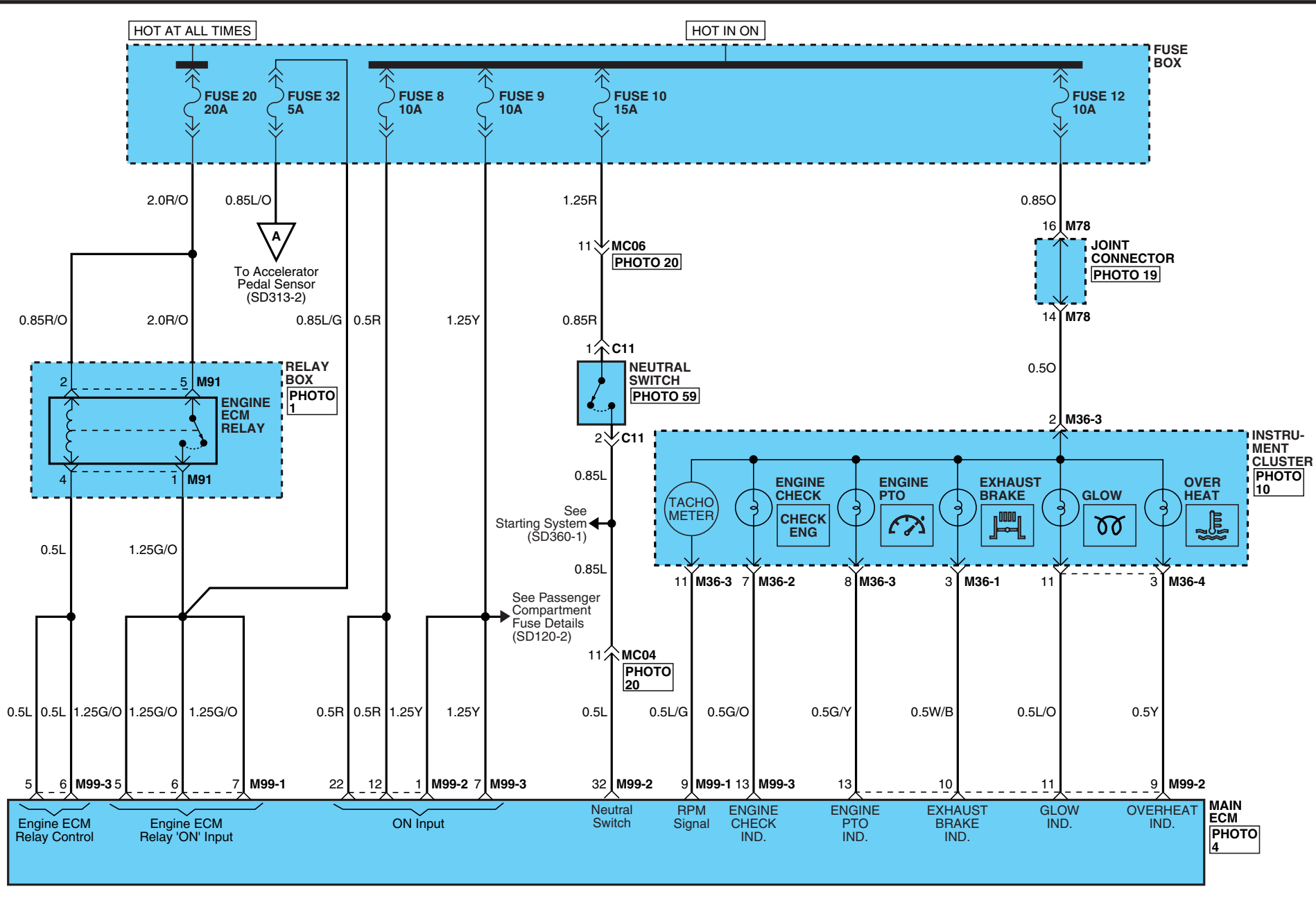
CR35F009

**BLANK**

**BLANK**

MFI CONTROL SYSTEM (D4DD) (1)

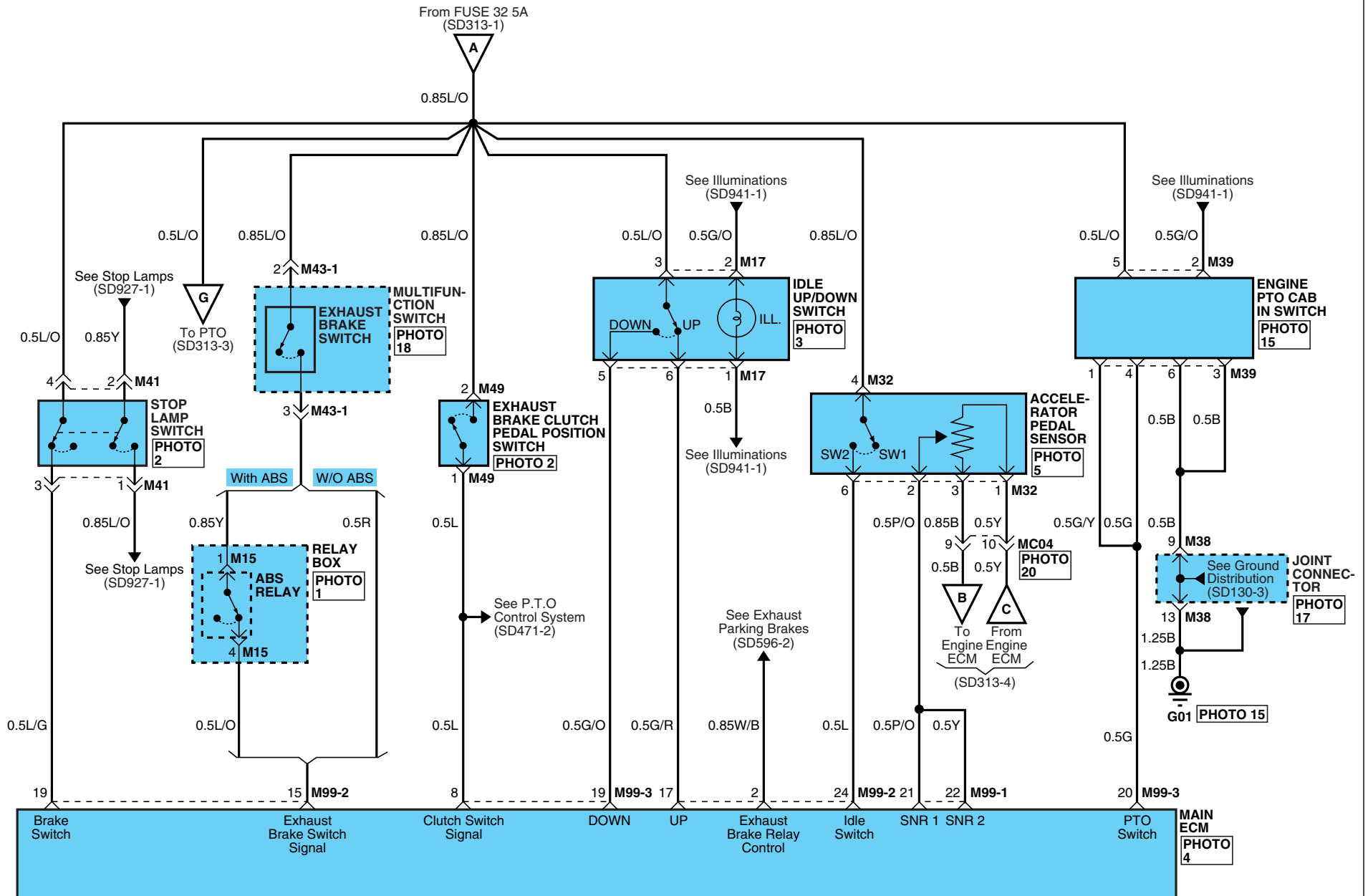
SD313-1



# MFI CONTROL SYSTEM

## MFI CONTROL SYSTEM (D4DD) (2)

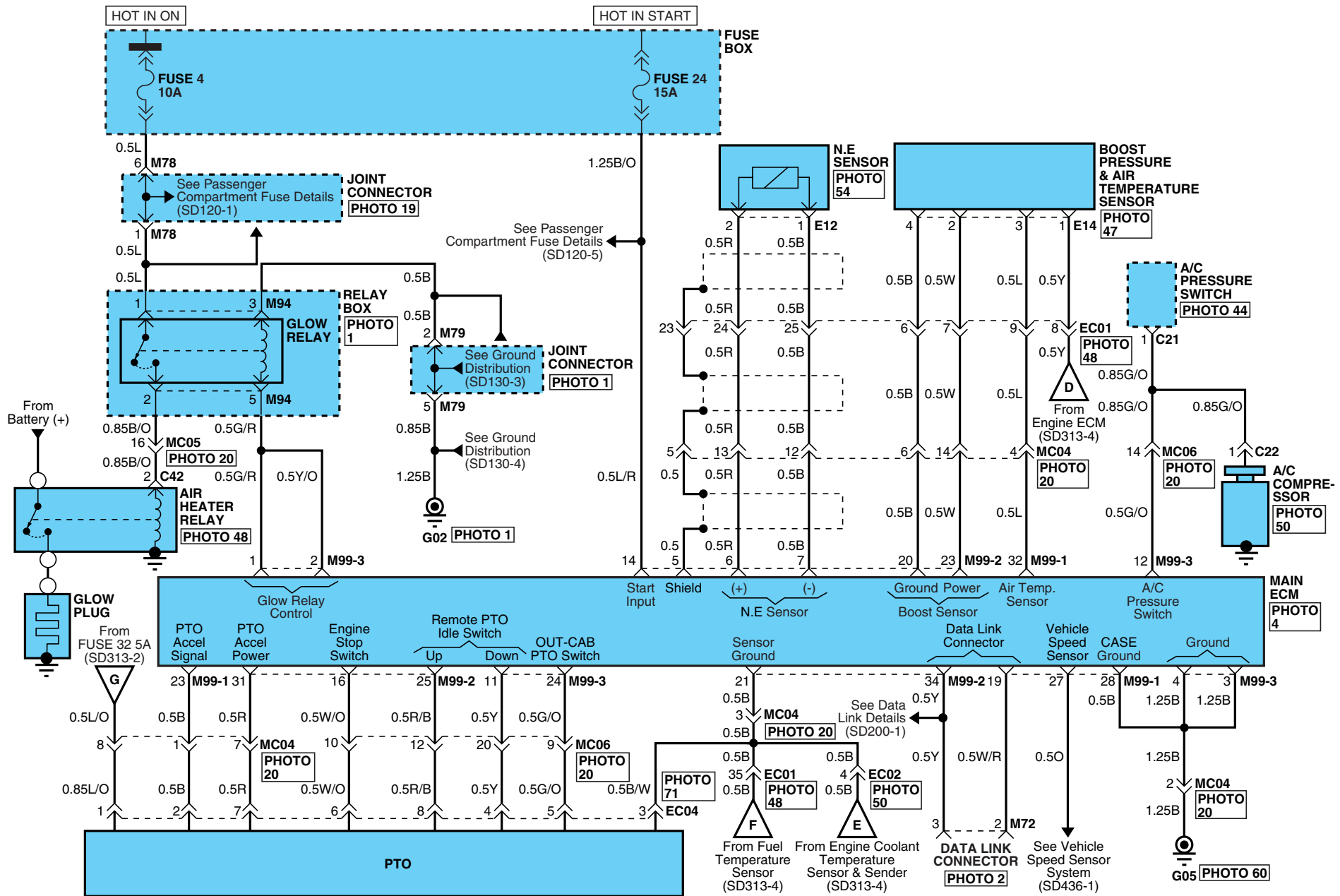
SD313-2



# MFI CONTROL SYSTEM

## MFI CONTROL SYSTEM (D4DD) (3)

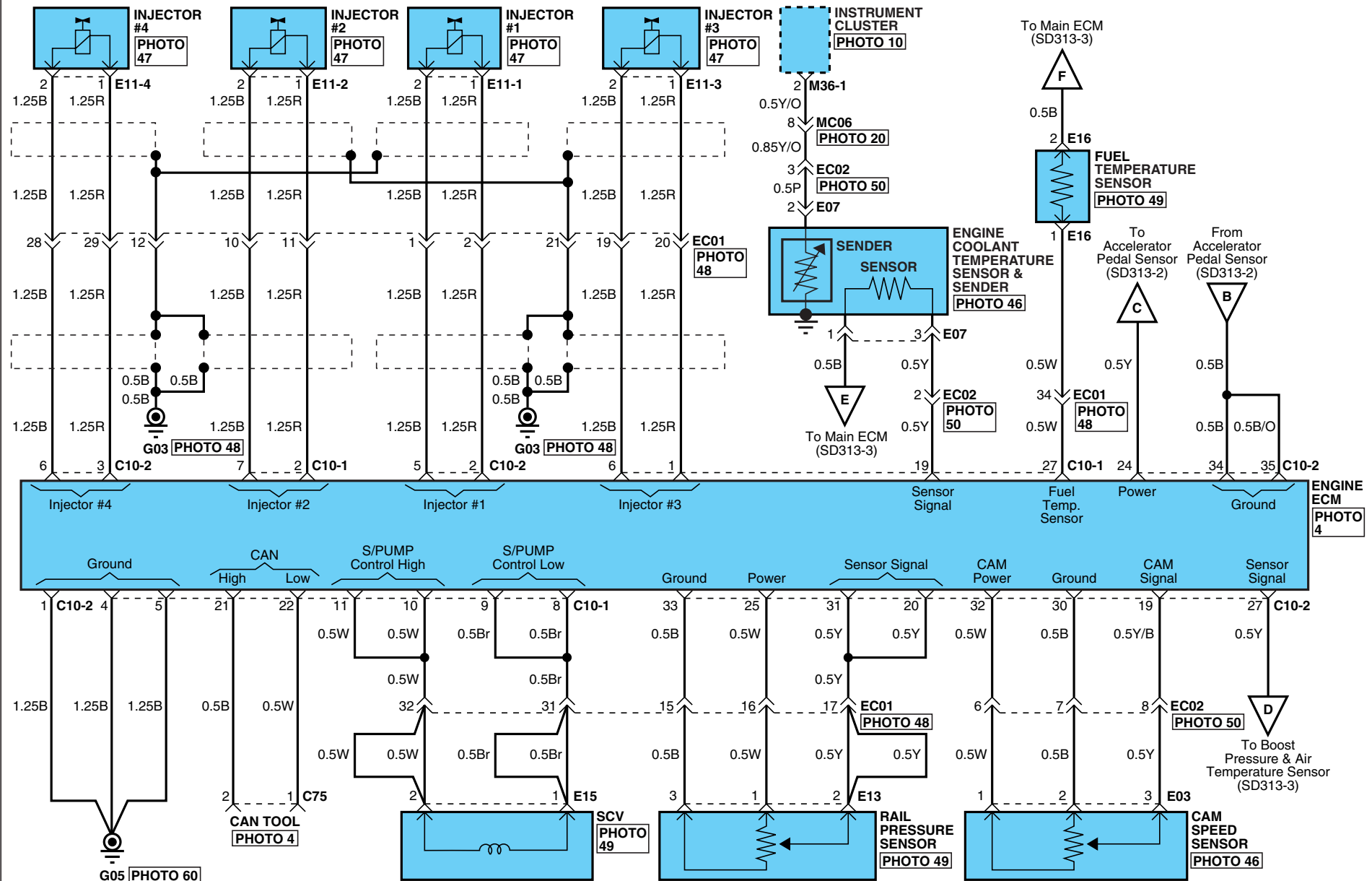
SD313-3



# MFI CONTROL SYSTEM

## MFI CONTROL SYSTEM (D4DD) (4)

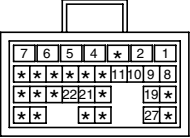
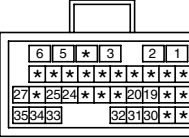
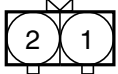
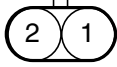

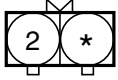
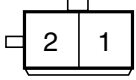
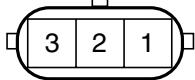
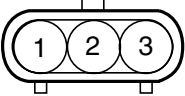
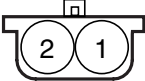
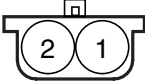
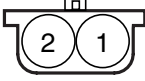
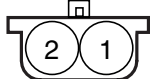
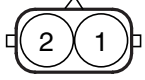
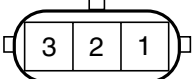
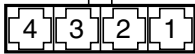
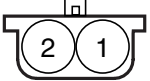
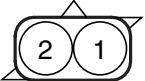
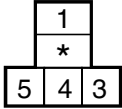
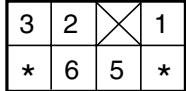
SD313-4



# MFI CONTROL SYSTEM

## MFI CONTROL SYSTEM (D4DD) (5)

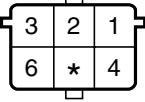
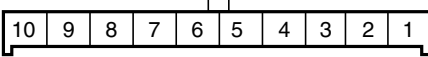
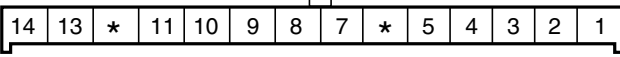
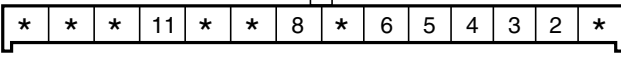

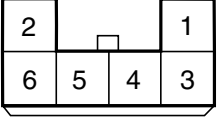
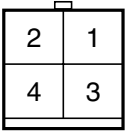
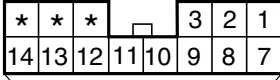
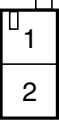

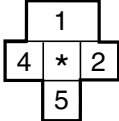
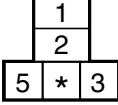
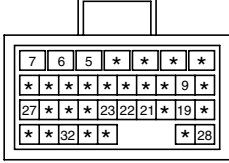
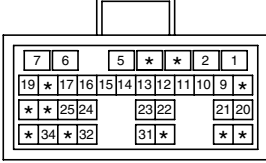
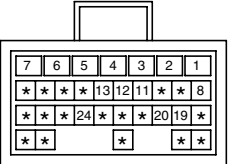
SD313-5

<p><b>C10-1</b></p>  <p>CR31F002</p>	<p><b>C10-2</b></p>  <p>CR35F008</p>	<p><b>C11</b></p>  <p>CR02F040</p>	<p><b>C21</b></p>  <p>CR02F025</p>
<p><b>C22</b></p>  <p>CR01F020</p>	<p><b>C42</b></p>  <p>CR02F040</p>	<p><b>C75</b></p>  <p>CR02F046</p>	<p><b>E03</b></p>  <p>CR03F230</p>
<p><b>E07</b></p>  <p>CR03M019</p>	<p><b>E11-1</b></p>  <p>CR02F152</p>	<p><b>E11-2</b></p>  <p>CR02F152</p>	<p><b>E11-3</b></p>  <p>CR02F152</p>
<p><b>E11-4</b></p>  <p>CR02F152</p>	<p><b>E12</b></p>  <p>CR02F154</p>	<p><b>E13</b></p>  <p>CR03F230</p>	<p><b>E14</b></p>  <p>CR04F091</p>
<p><b>E15</b></p>  <p>CR02F152</p>	<p><b>E16</b></p>  <p>CR02F175</p>	<p><b>M15</b></p>  <p>CR05F011</p>	<p><b>M17</b></p>  <p>CR07F002</p>

**MFI CONTROL SYSTEM**

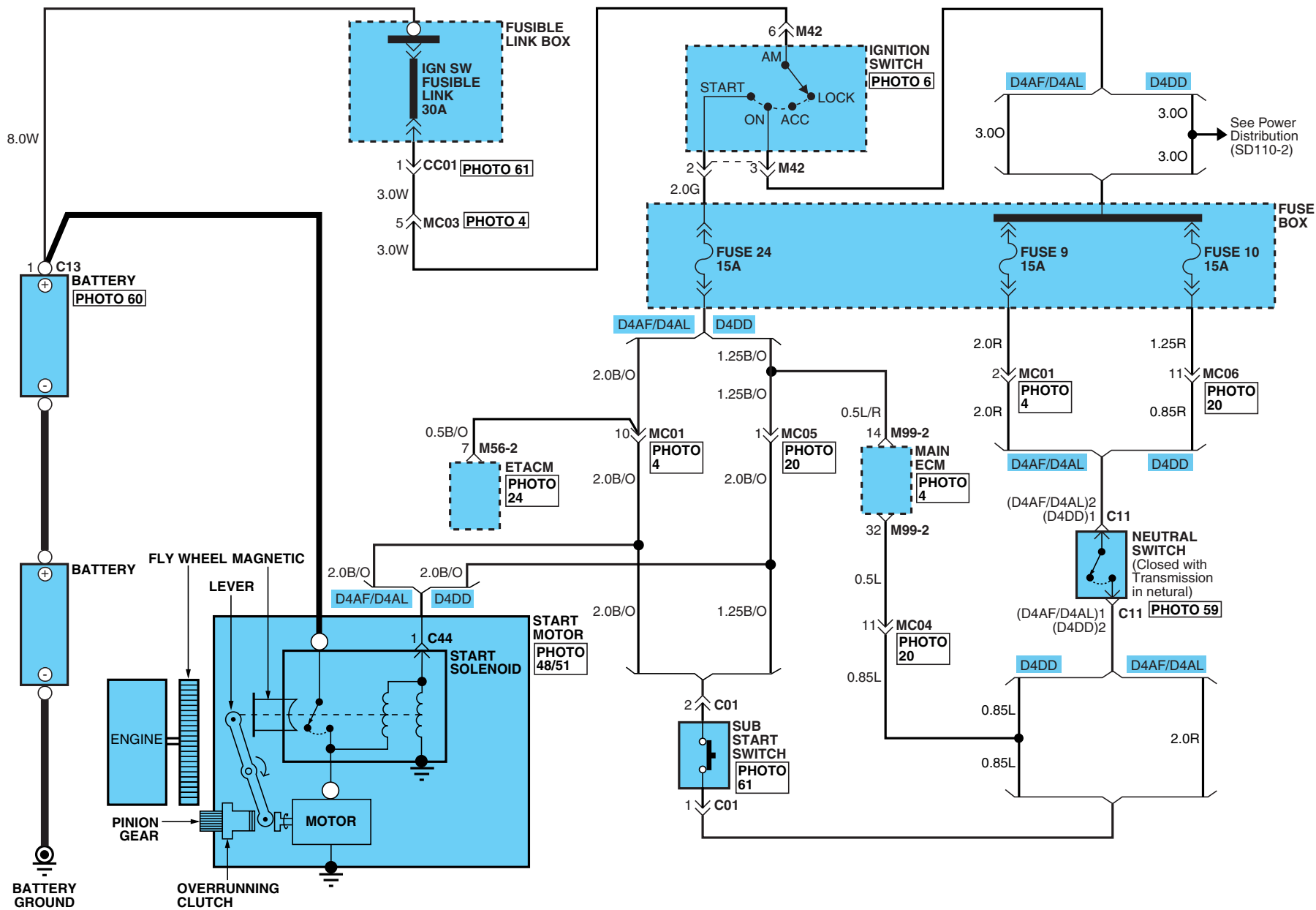
**MFI CONTROL SYSTEM (D4DD) (6)**

**SD313-6**

<p><b>M32</b></p>  <p>CR06F043</p>	<p><b>M36-1</b></p>  <p>CR10F005</p>	<p><b>M36-2</b></p>  <p>CR14F007</p>	
<p><b>M36-3</b></p>  <p>CR14F007</p>		<p><b>M36-4</b></p>  <p>CR12F001</p>	<p><b>M39</b></p>  <p>CR06F017</p>
<p><b>M41</b></p>  <p>CR04F016</p>	<p><b>M43-1</b></p>  <p>CR14F019</p>	<p><b>M49</b></p>  <p>CR02F187</p>	<p><b>M72</b></p>  <p>CR16F044</p>
<p><b>M91</b></p>  <p>CR05F019</p>	<p><b>M94</b></p>  <p>CR05F011</p>	<p><b>M99-1</b></p>  <p>CR34F003</p>	<p><b>M99-2</b></p>  <p>CR35F009</p>
<p><b>M99-3</b></p>  <p>CR32F004</p>	<p><b>BLANK</b></p>		<p><b>BLANK</b></p>

STARTING SYSTEM (1)

SD360-1



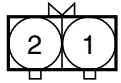


**STARTING SYSTEM**

**STARTING SYSTEM (2)**

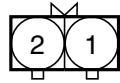
**SD360-2**

**C01**



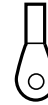
CR02F040

**C11**



CR02F040

**C13**



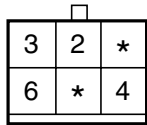
CR01F002

**C44**



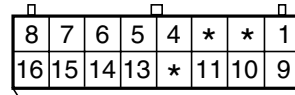
CR01F035

**M42**



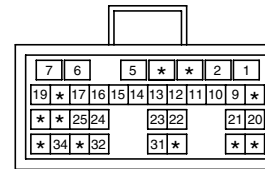
CR06F014

**M56-2(D4AF/D4AL)**



CR16F002

**M99-2**

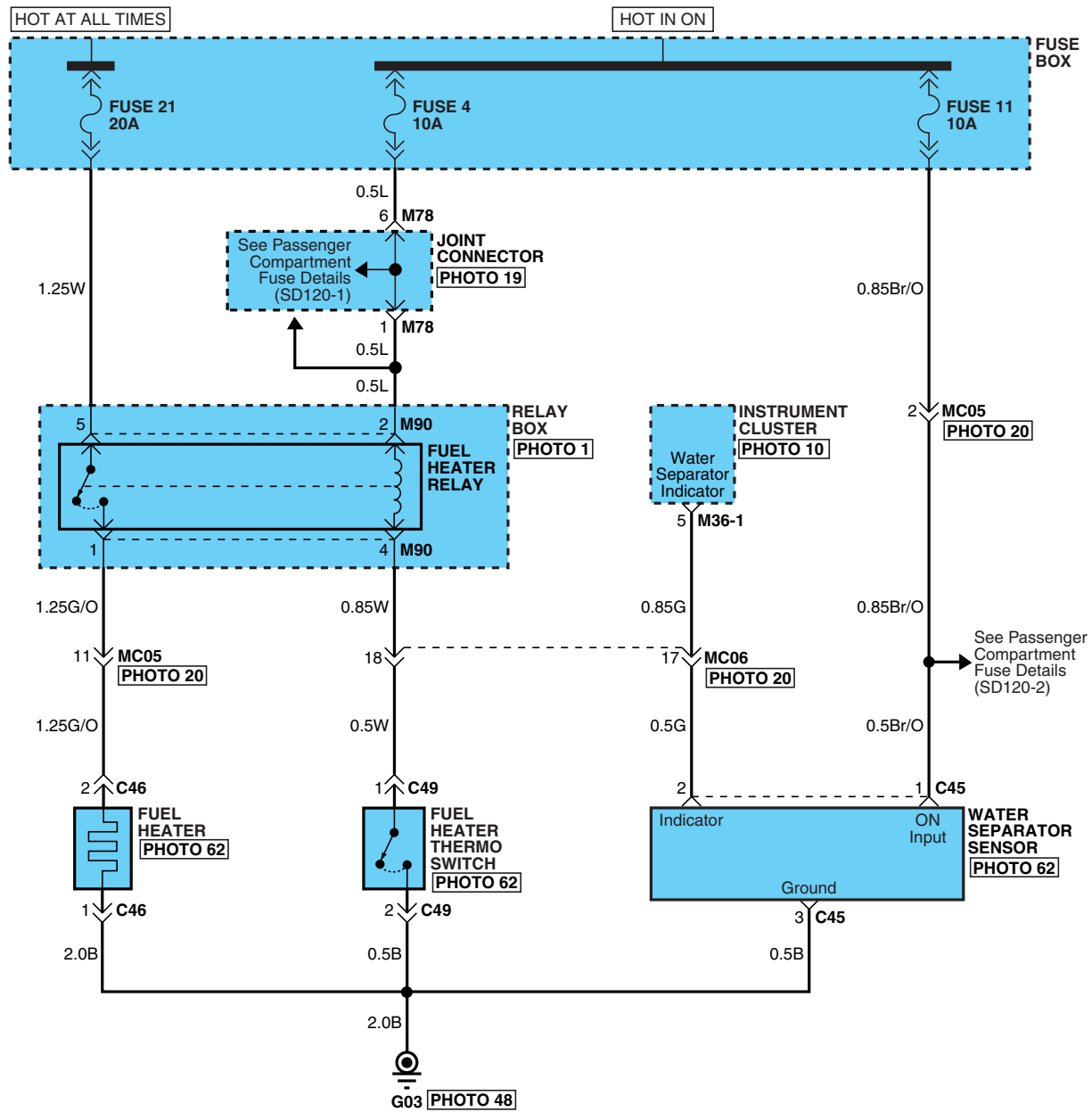


CR35F009

**BLANK**

FUEL FILTER HEATING SYSTEM (D4DD) (1)

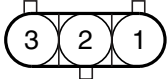
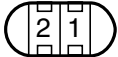
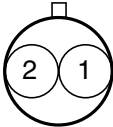
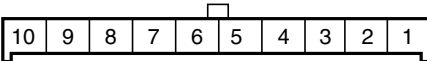
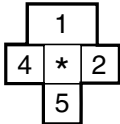
SD361-1



# FUEL FILTER HEATING SYSTEM

## FUEL FILTER HEATING SYSTEM (D4DD) (2)

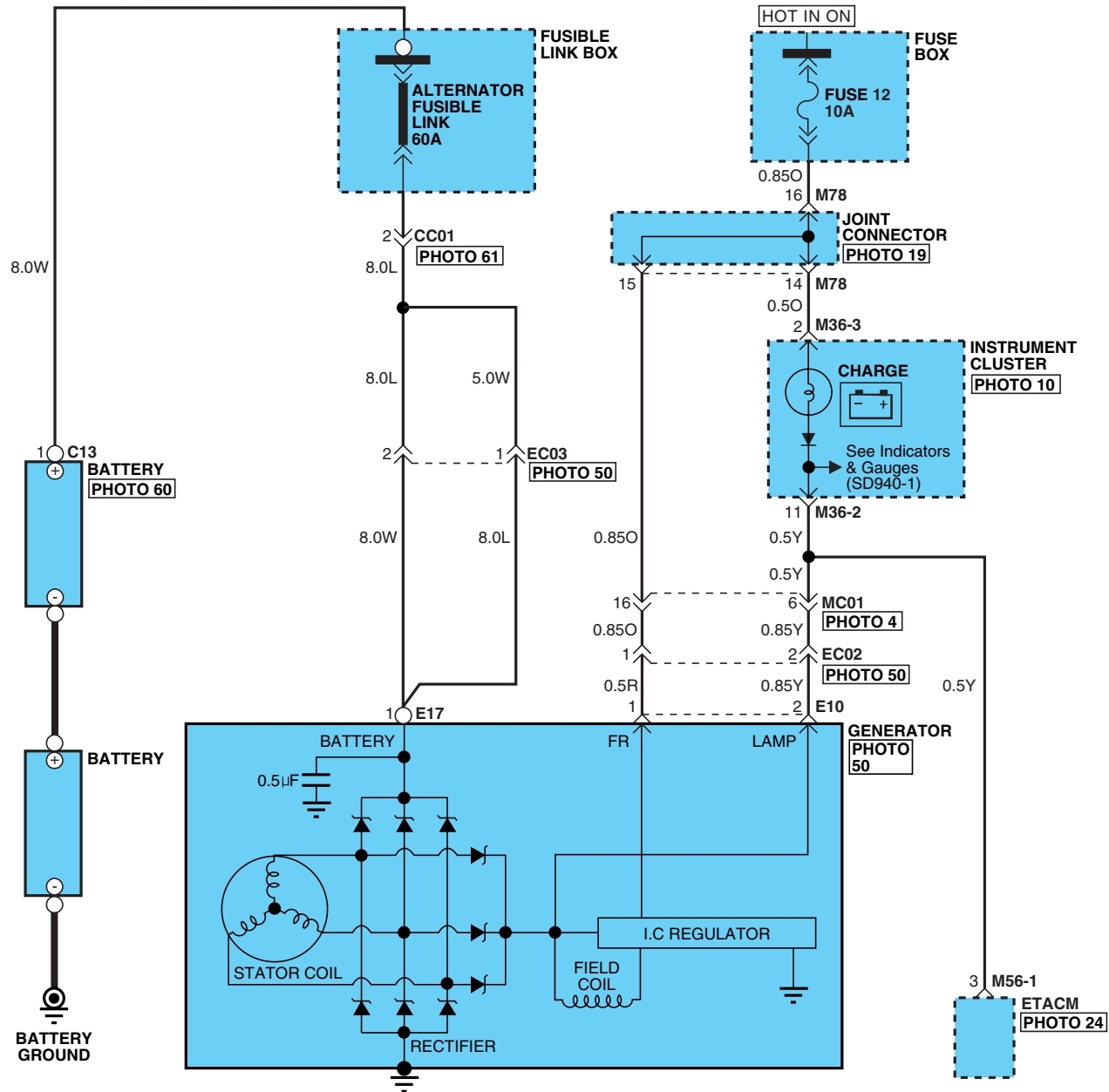
SD361-2

<p style="text-align: center;"><b>C45</b></p>  <p style="text-align: right; font-size: small;">CR03F083</p>	<p style="text-align: center;"><b>C46</b></p>  <p style="text-align: right; font-size: small;">CR02F156</p>	<p style="text-align: center;"><b>C49</b></p>  <p style="text-align: right; font-size: small;">CR02F155</p>	<p style="text-align: center;"><b>M36-1</b></p>  <p style="text-align: right; font-size: small;">CR10F005</p>
<p style="text-align: center;"><b>M90</b></p>  <p style="text-align: right; font-size: small;">CR05F019</p>	<p style="text-align: center;"><b>BLANK</b></p>	<p style="text-align: center;"><b>BLANK</b></p>	<p style="text-align: center;"><b>BLANK</b></p>
Empty space for additional diagrams or notes			

CHARGING SYSTEM (1)

SD373-1

D4AF/D4AL

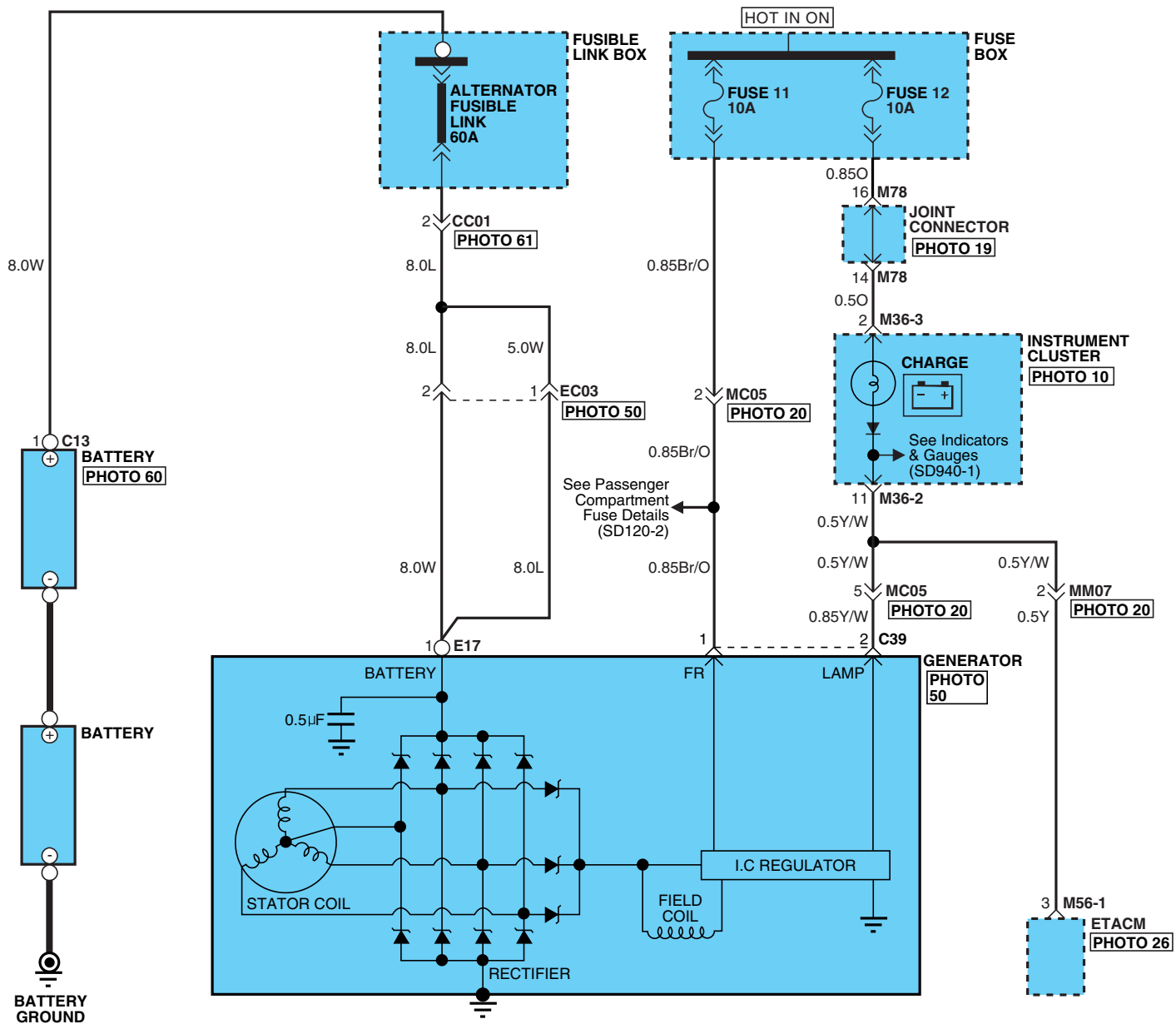


# CHARGING SYSTEM

## CHARGING SYSTEM (2)

SD373-2


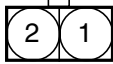
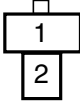
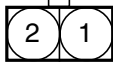

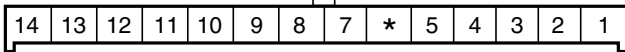
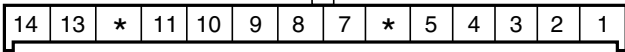
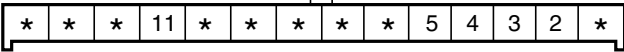
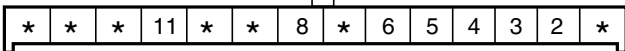
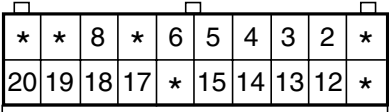
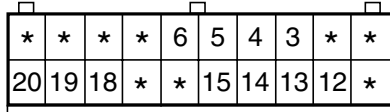
D4DD



# CHARGING SYSTEM

## CHARGING SYSTEM (3)

SD373-3

<p><b>C13</b></p>  <p>CR01F002</p>	<p><b>C39</b></p>  <p>CR02F002</p>	<p><b>E10(D4AF)</b></p>  <p>CR02F012</p>	<p><b>E10(D4AL)</b></p>  <p>CR02F002</p>
<p><b>E17</b></p>  <p>CR01F002</p>	<p><b>M36-2(D4AF/D4AL)</b></p>  <p>CR14F007</p>		<p><b>BLANK</b></p>
<p><b>M36-2(D4DD)</b></p>  <p>CR14F007</p>		<p><b>M36-3(D4AF/D4AL)</b></p>  <p>CR14F007</p>	
<p><b>M36-3(D4DD)</b></p>  <p>CR14F007</p>	<p><b>M56-1(D4AF/D4AL)</b></p>  <p>CR20F001</p>	<p><b>M56-1(D4DD)</b></p>  <p>CR20F001</p>	
Empty section			

**CHARGING SYSTEM**

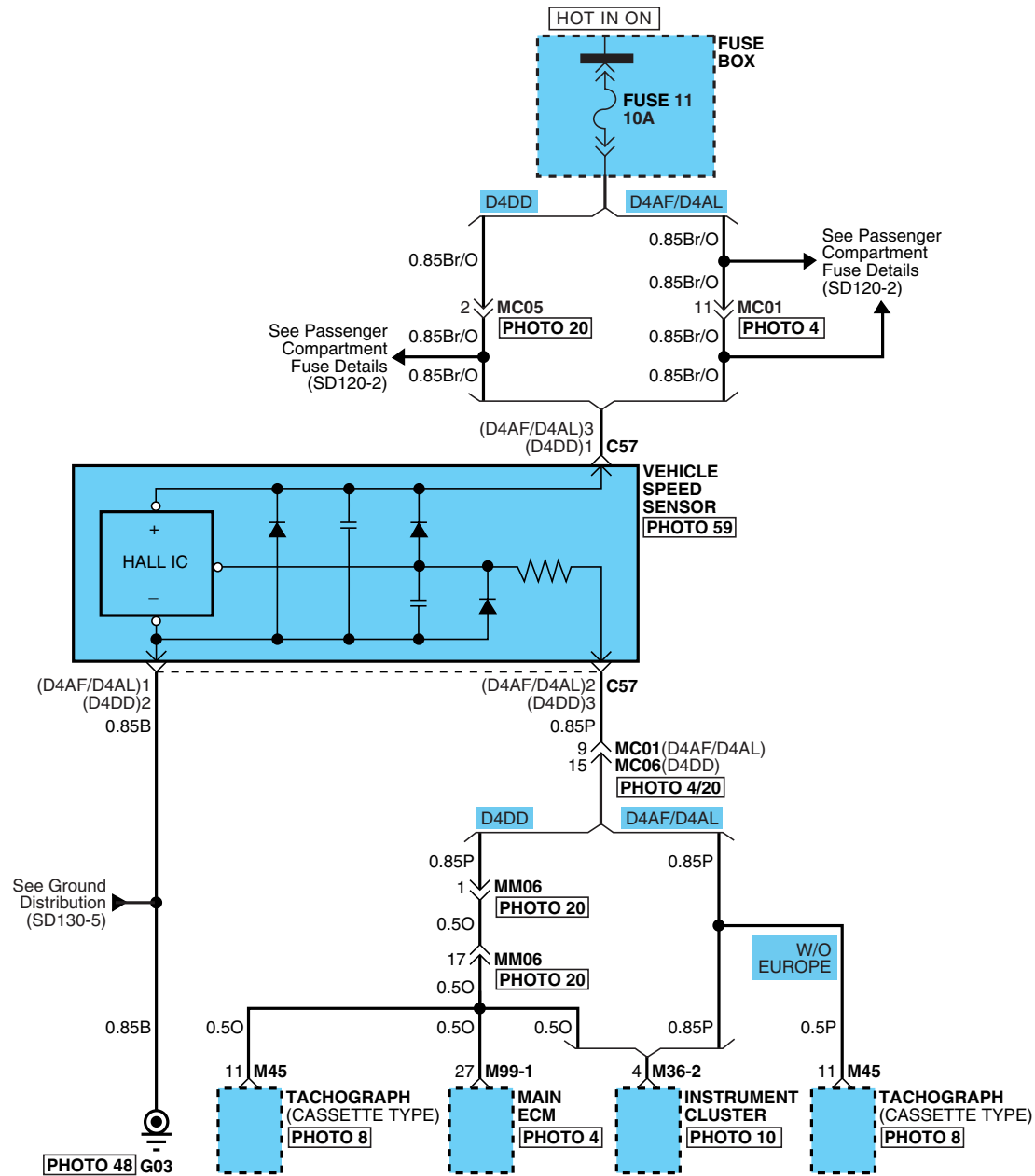
**CHARGING SYSTEM (4)**

**SD373-4**

**MEMO**

VEHICLE SPEED SENSOR SYSTEM (1)

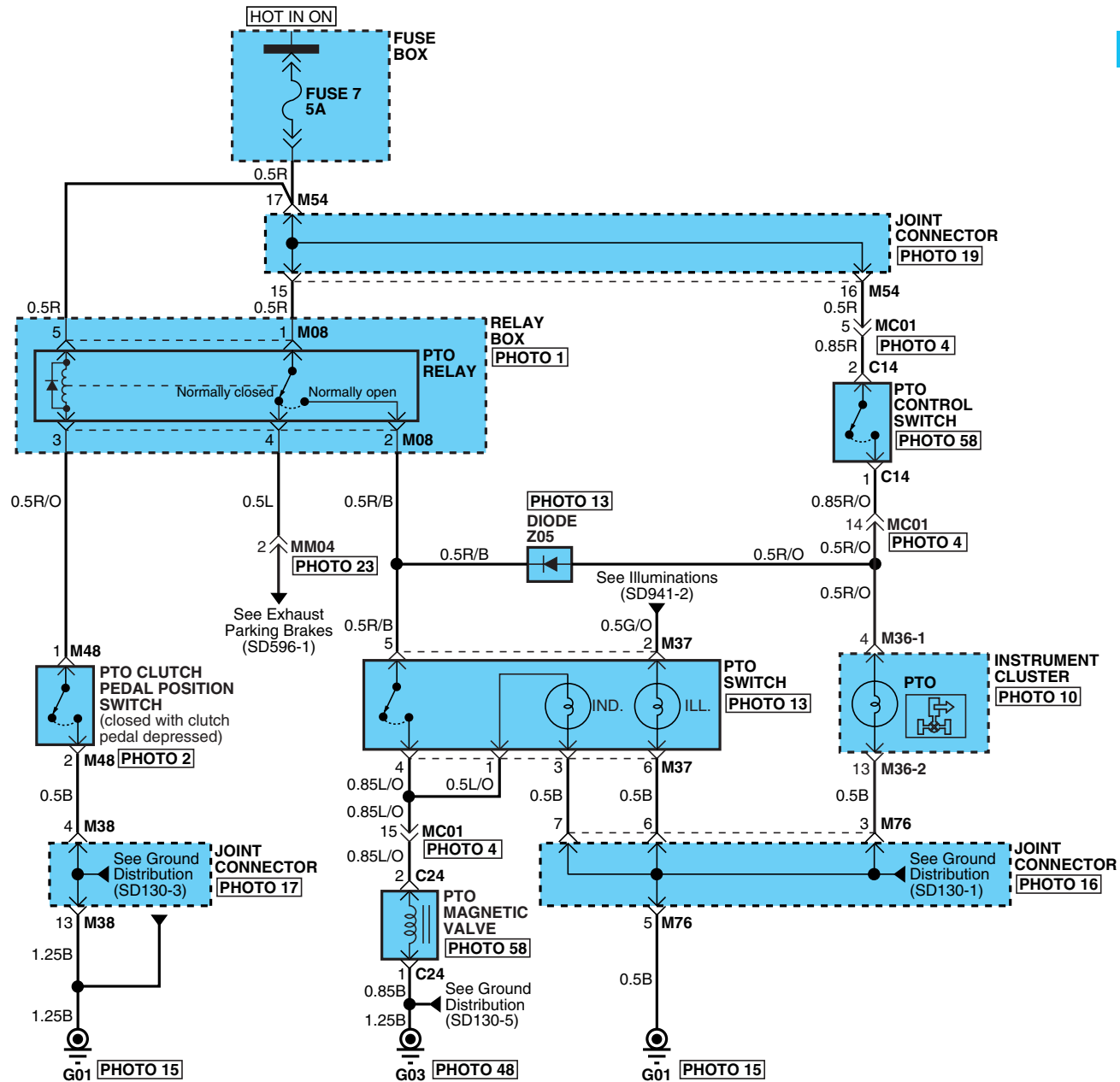
SD436-1







D4AF/D4AL

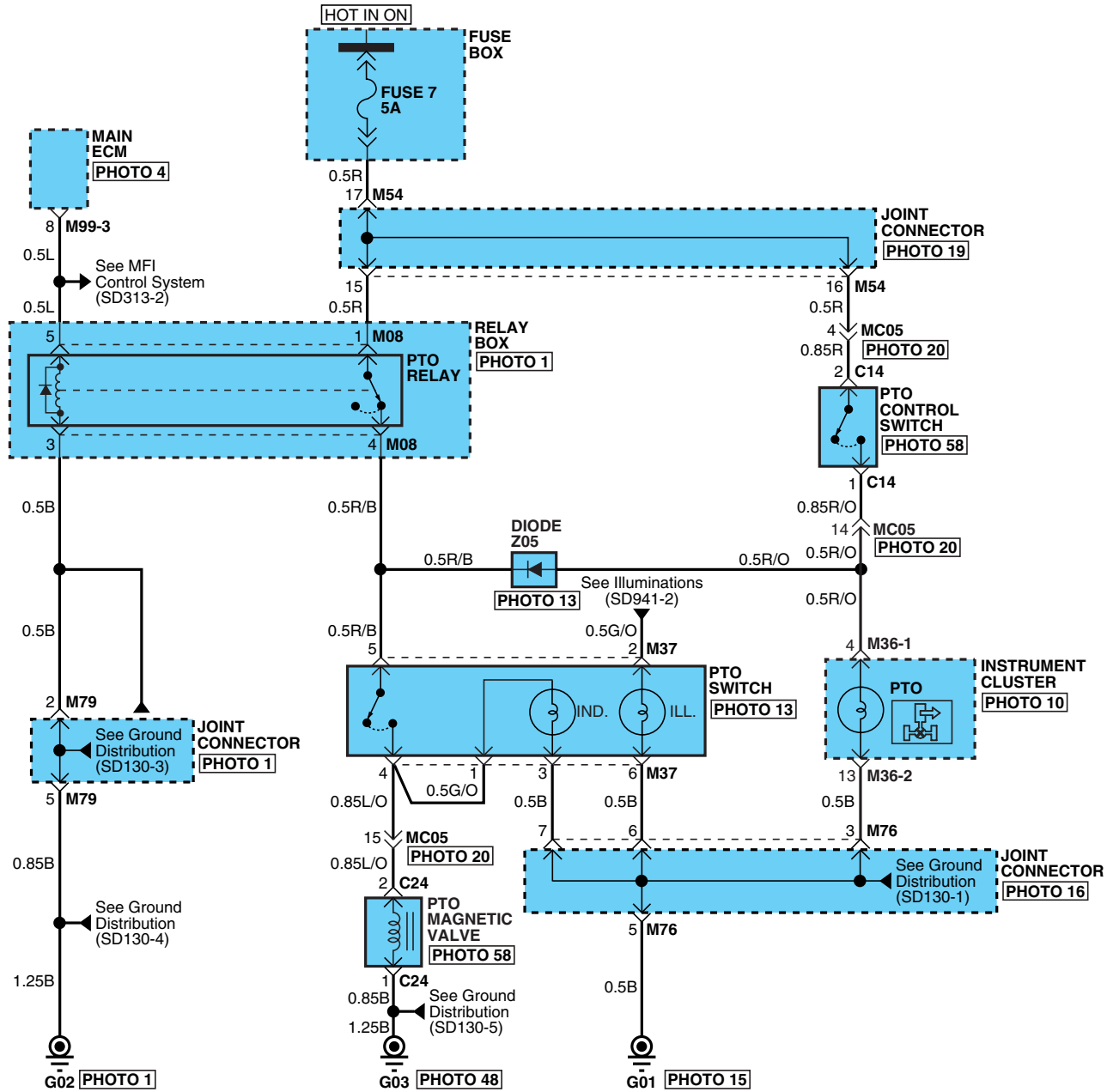


P.T.O CONTROL SYSTEM

P.T.O CONTROL SYSTEM (2)

SD471-2

D4DD

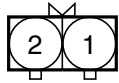


**P.T.O CONTROL SYSTEM**

**P.T.O CONTROL SYSTEM (3)**

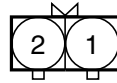
**SD471-3**

**C14**



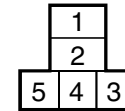
CR02F040

**C24**



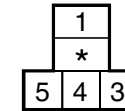
CR02F040

**M08(D4AF/D4AL)**



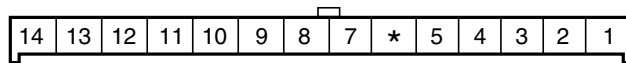
CR05F011

**M08(D4DD)**



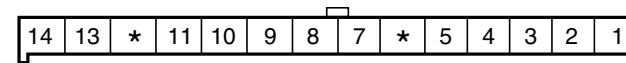
CR05F011

**M36-2(D4AF/D4AL)**



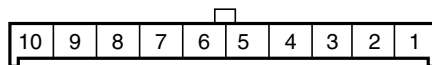
CR14F007

**M36-2(D4DD)**



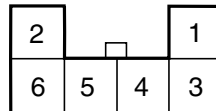
CR14F007

**M36-1**



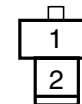
CR10F005

**M37**



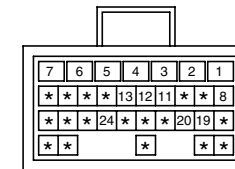
CR06F003

**M48**



CR02F051

**M99-3**



CR32F004

**P.T.O CONTROL SYSTEM**

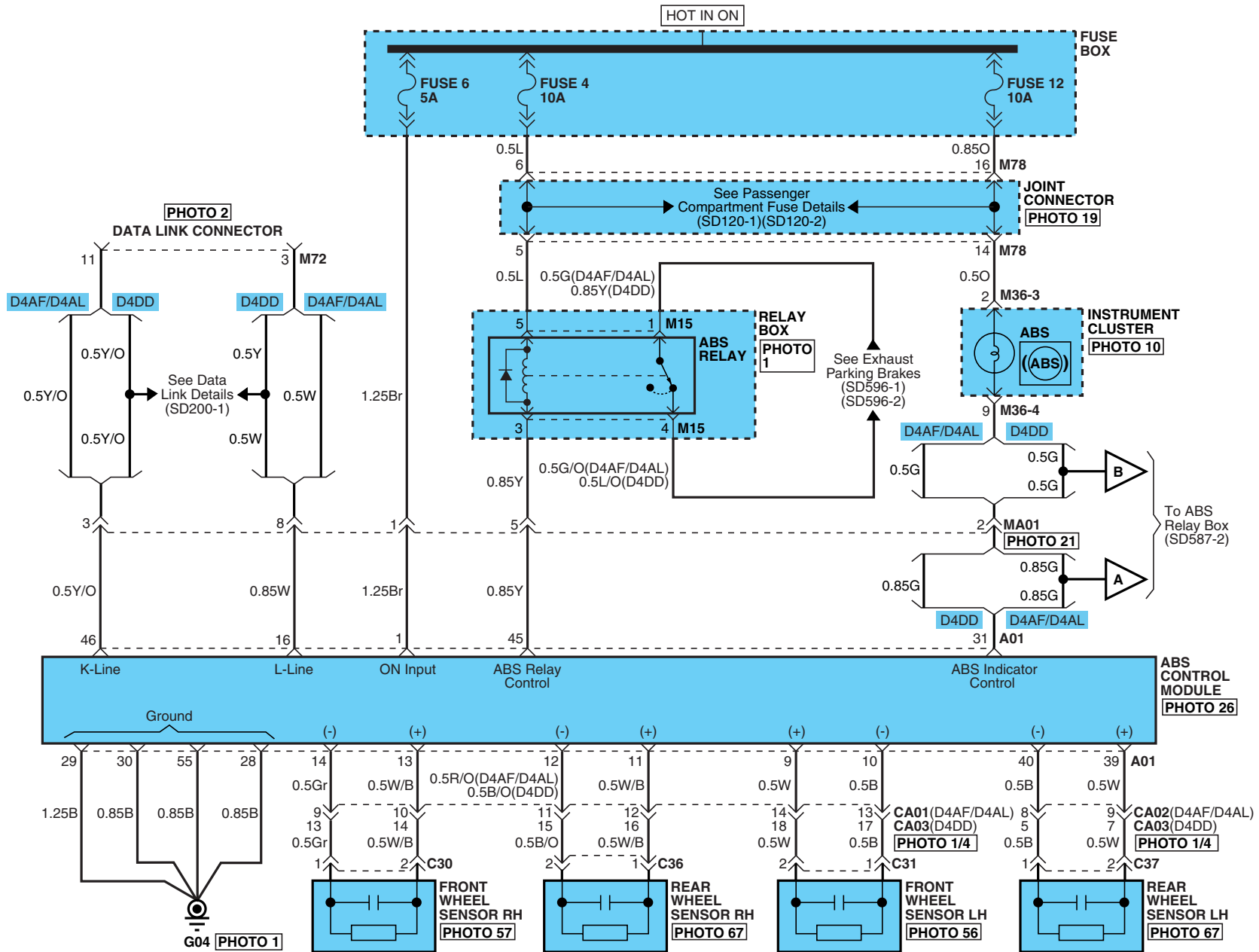
**P.T.O CONTROL SYSTEM (4)**

**SD471-4**

**MEMO**

ABS CONTROL SYSTEM (1)

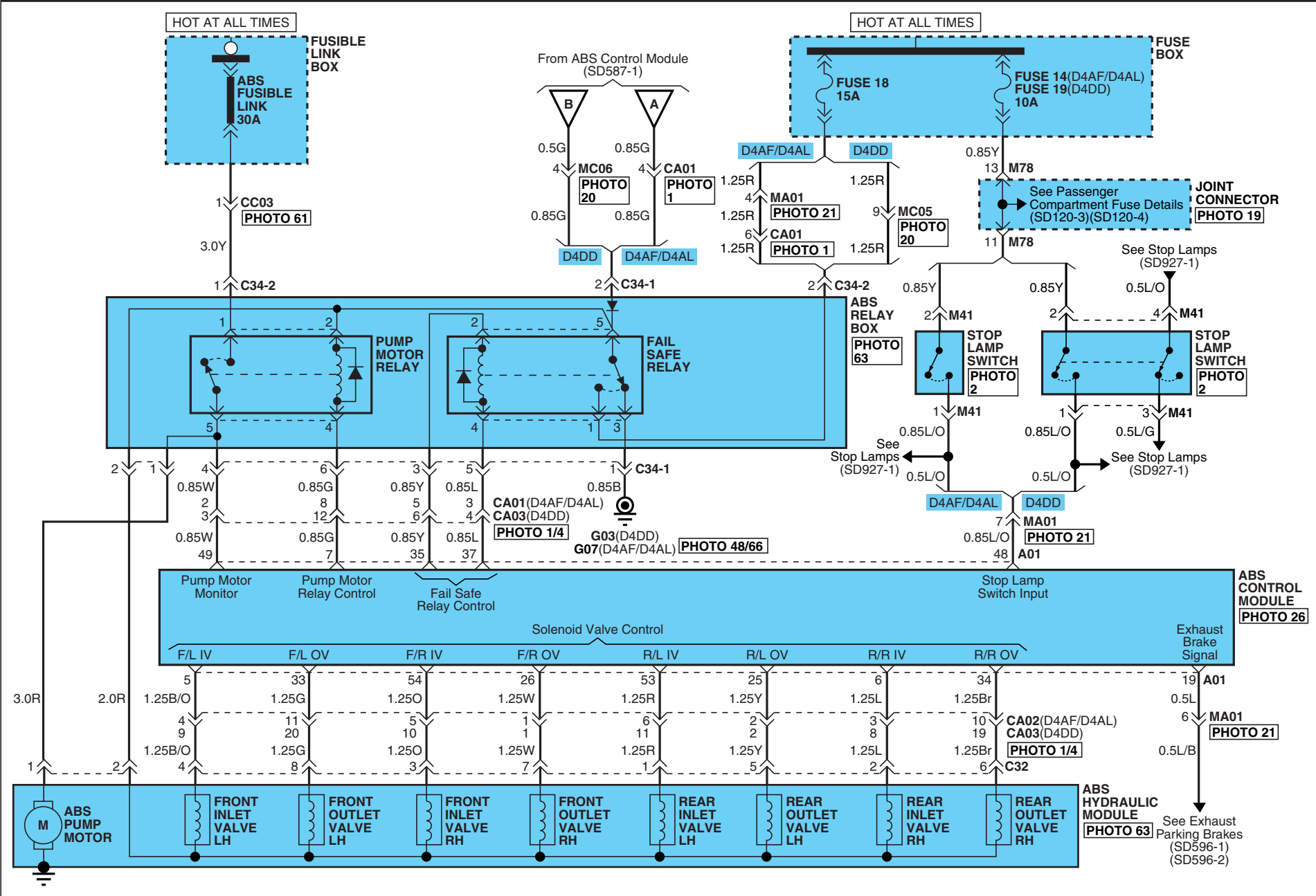
SD587-1



# ABS CONTROL SYSTEM

## ABS CONTROL SYSTEM (2)

SD587-2

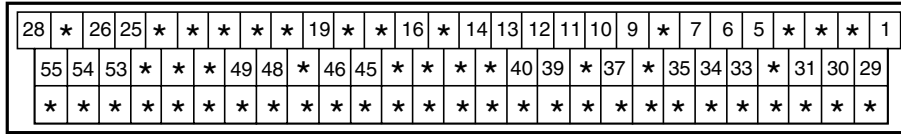


# ABS CONTROL SYSTEM

## ABS CONTROL SYSTEM (3)

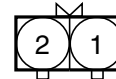
SD587-3

**A01**



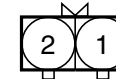
CR55F005

**C30**



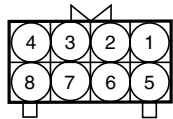
CR02F040

**C31**



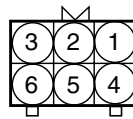
CR02F040

**C32**



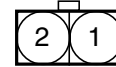
CR08F021

**C34-1**



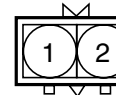
CR06F016

**C34-2**



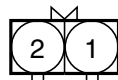
CR02F002

**C36**



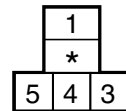
CR02M017

**C37**



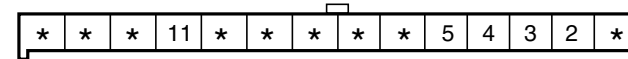
CR02F040

**M15**



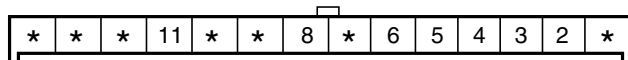
CR05F011

**M36-3(D4AF/D4AL)**



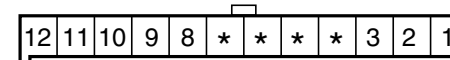
CR14F007

**M36-3(D4DD)**



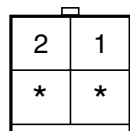
CR14F007

**M36-4**



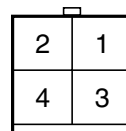
CR12F001

**M41(D4AF/D4AL)**



CR04F016

**M41(D4DD)**



CR04F016

**M72(D4AF/D4AL)**



CR16F007

**M72(D4DD)**



CR16F044



**ABS CONTROL SYSTEM**

**ABS CONTROL SYSTEM (4)**

**SD587-4**

**MEMO**

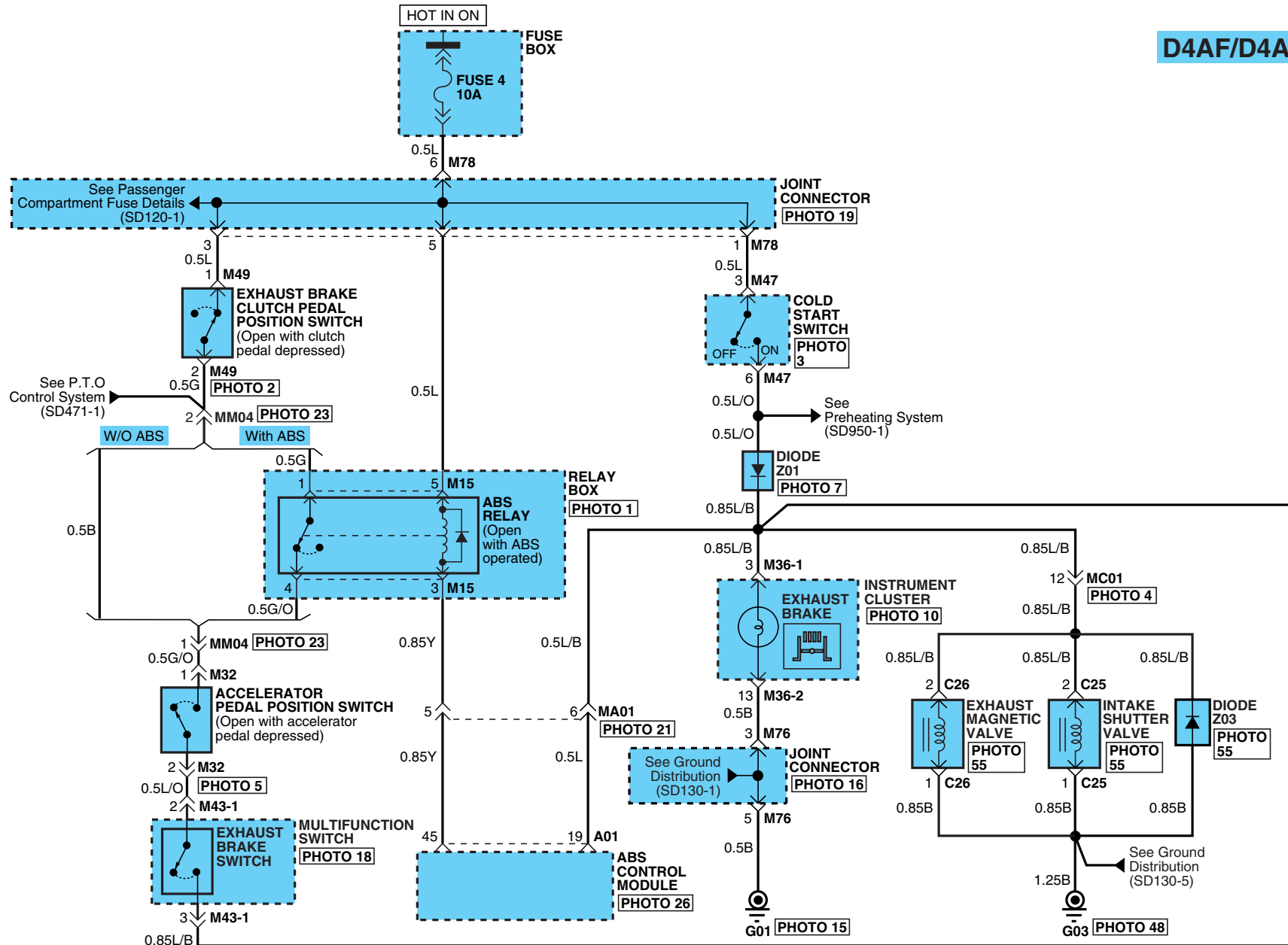
# EXHAUST PARKING BRAKES

E797D4F8

## EXHAUST PARKING BRAKES (1)

SD596-1

D4AF/D4AL

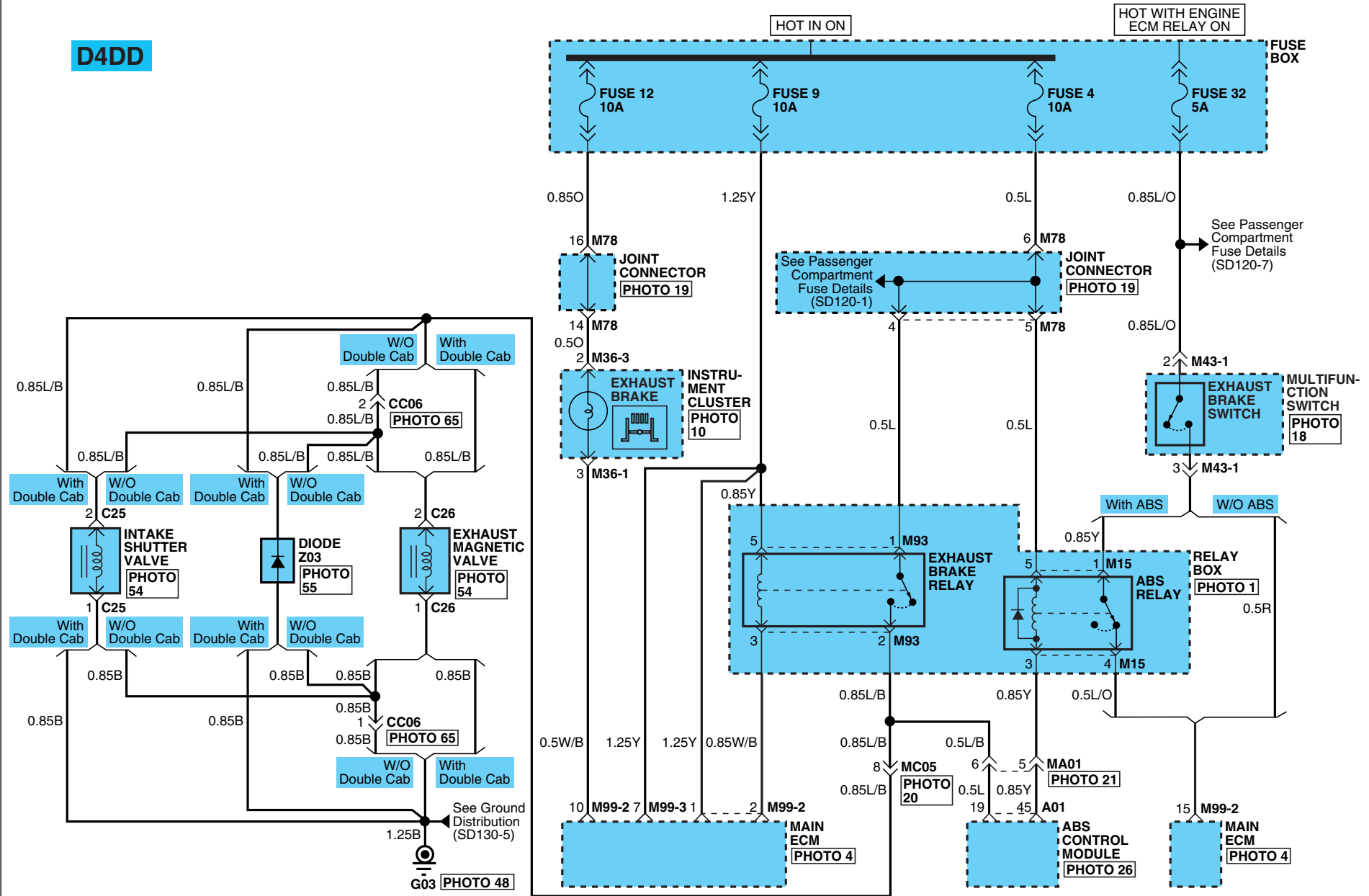


# EXHAUST PARKING BRAKES

## EXHAUST PARKING BRAKES (2)

SD596-2

D4DD



# EXHAUST PARKING BRAKES

## EXHAUST PARKING BRAKES (3)

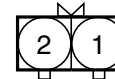
SD596-3

**A01**

28	*	26	25	*	*	*	*	*	19	*	*	16	*	14	13	12	11	10	9	*	7	6	5	*	*	*	1
55	54	53	*	*	*	49	48	*	46	45	*	*	*	*	40	39	*	37	*	35	34	33	*	31	30	29	
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

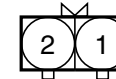
CR55F005

**C25**



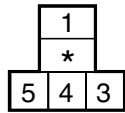
CR02F040

**C26**



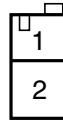
CR02F040

**M15**



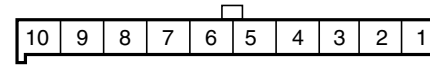
CR05F011

**M32**



CR02F187

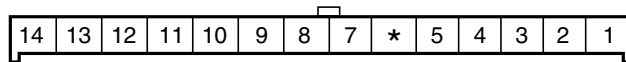
**M36-1**



CR10F005

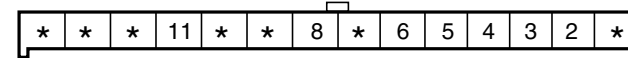
**BLANK**

**M36-2(D4AF/D4AL)**



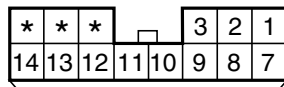
CR14F007

**M36-3(D4DD)**



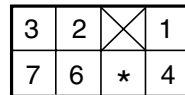
CR14F007

**M43-1**



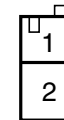
CR14F019

**M47**



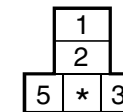
CR07F002

**M49**



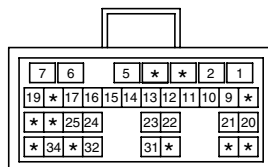
CR02F187

**M93**



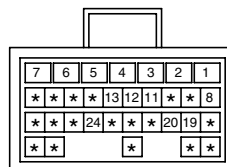
CR05F011

**M99-2**



CR35F009

**M99-3**



CR32F004

**BLANK**

**BLANK**

**EXHAUST PARKING BRAKES**

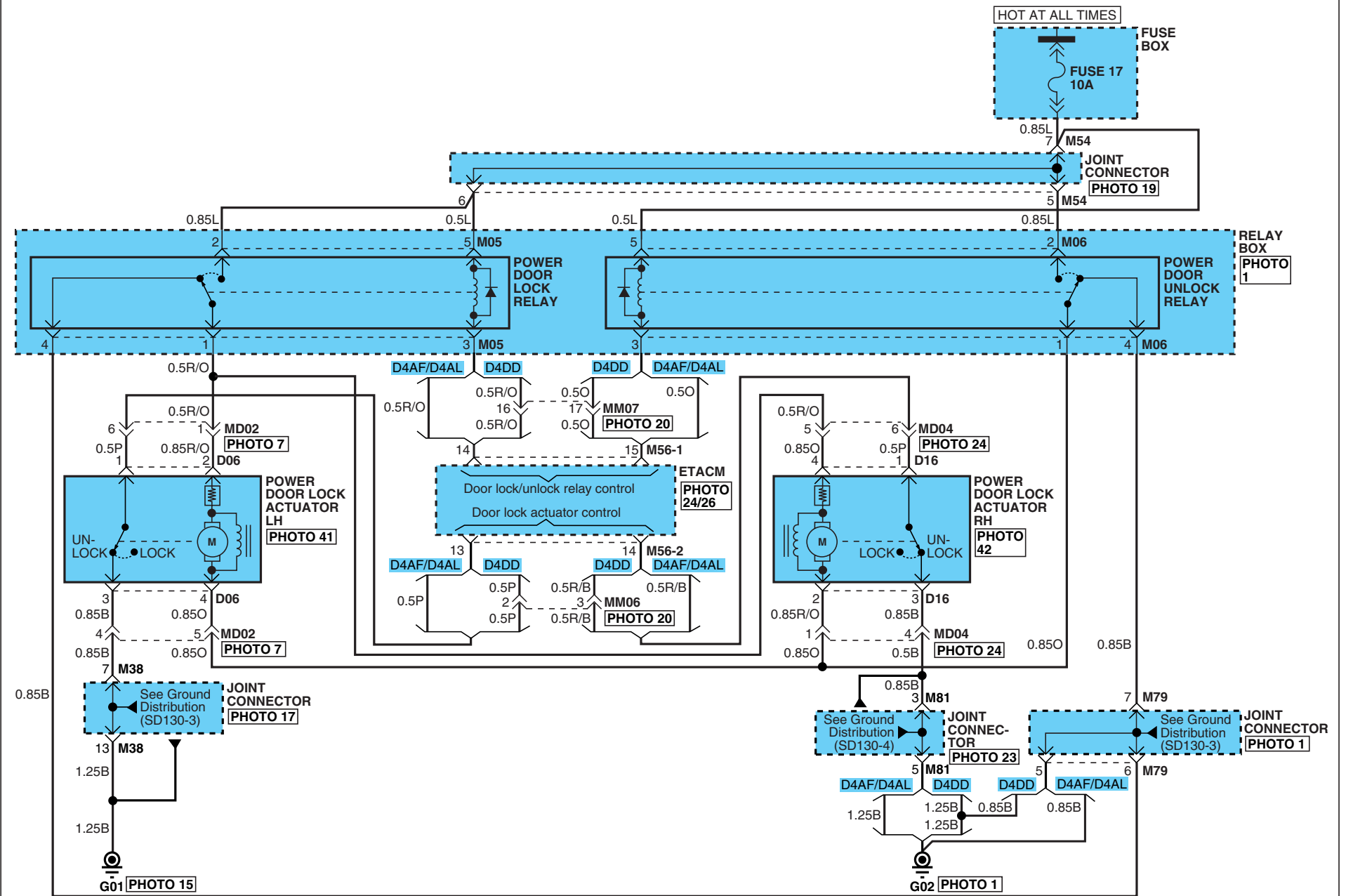
**EXHAUST PARKING BRAKES (4)**

**SD596-4**

**MEMO**

POWER DOOR LOCKS (1)

SD813-1

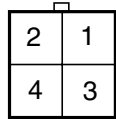


# POWER DOOR LOCKS

## POWER DOOR LOCKS (2)

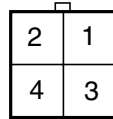
SD813-2

**D06**



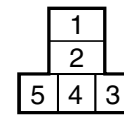
CR04F001

**D16**



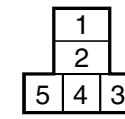
CR04F001

**M05**



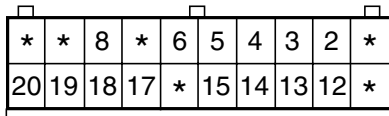
CR05F011

**M06**



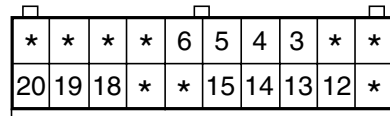
CR05F011

**M56-1(D4AF/D4AL)**



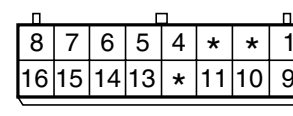
CR20F001

**M56-1(D4DD)**



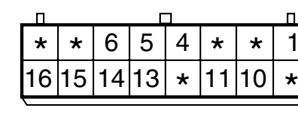
CR20F001

**M56-2(D4AF/D4AL)**



CR16F002

**M56-2(D4DD)**



CR16F002



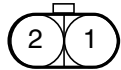


**POWER WINDOWS**

**POWER WINDOWS (2)**

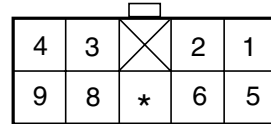
**SD824-2**

**D01**



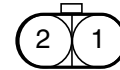
CR02F001

**D05**



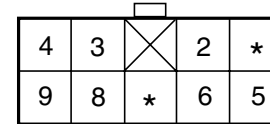
CR09F001

**D11**



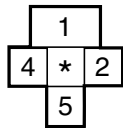
CR02F011

**D15**



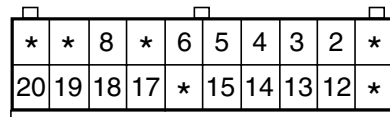
CR09F001

**M04**



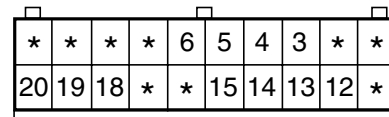
CR05F019

**M56-1(D4AF/D4AL)**



CR20F001

**M56-1(D4DD)**

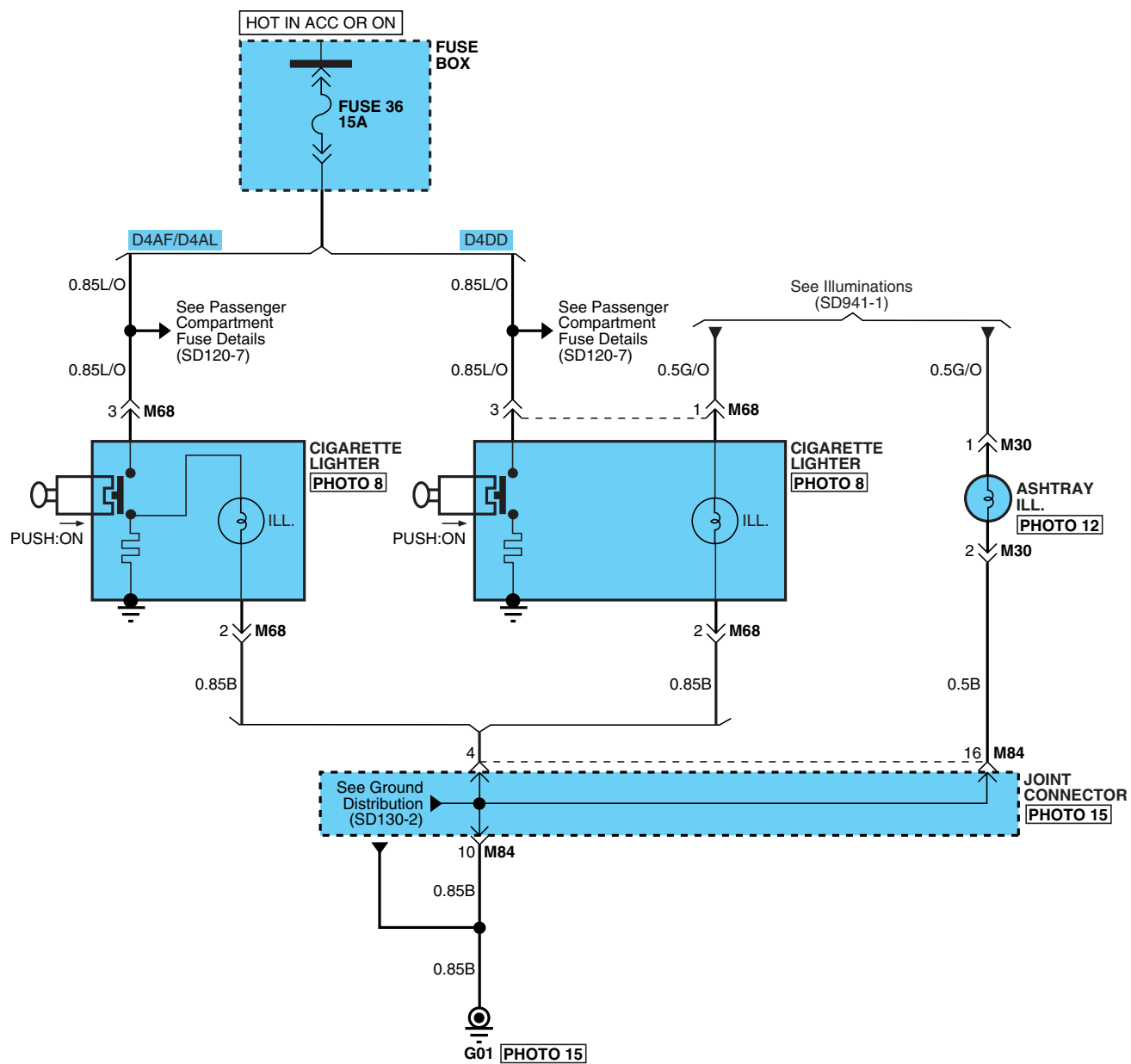


CR20F001

**BLANK**

CIGARETTE LIGHTER (1)

SD846-1

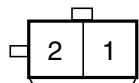


# CIGARETTE LIGHTER

## CIGARETTE LIGHTER (2)

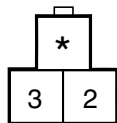
SD846-2

M30



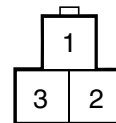
CR02F046

M68(D4AF/D4AL)



CR03F005

M68(D4DD)

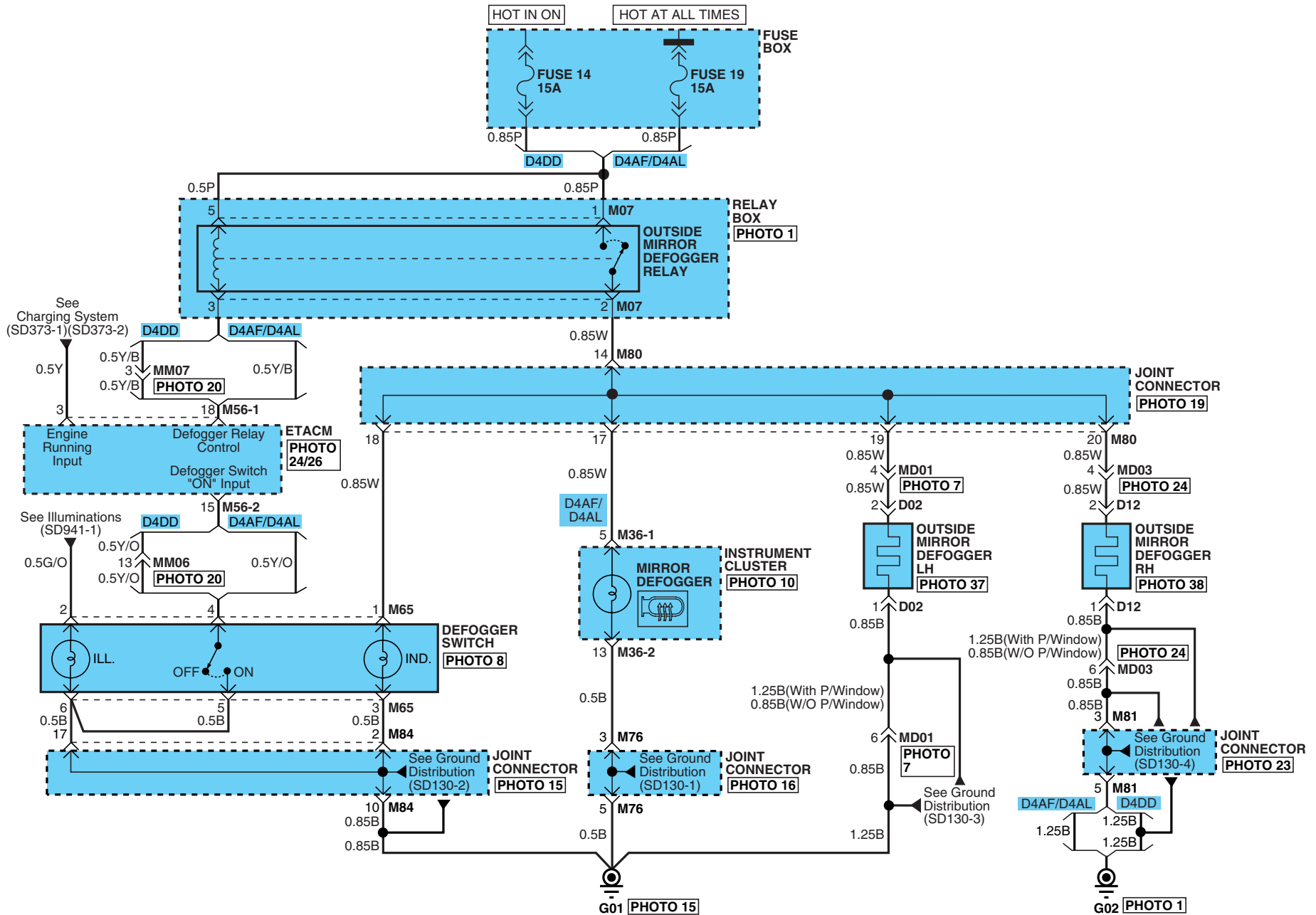


CR03F005

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OUTSIDE MIRROR DEFOGGER (1)

SD879-1

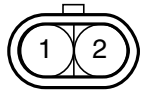


# OUTSIDE MIRROR DEFOGGER

## OUTSIDE MIRROR DEFOGGER (2)

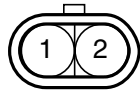
SD879-2

D02



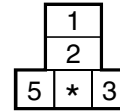
CR02M002

D12



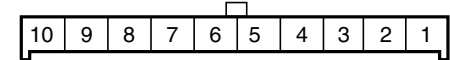
CR02M002

M07



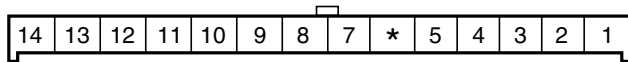
CR05F011

M36-1



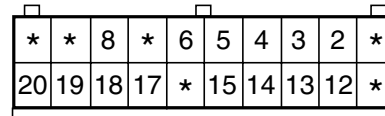
CR10F005

M36-2(D4AF/D4AL)



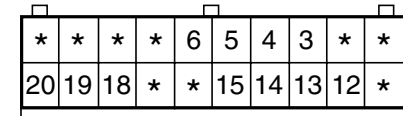
CR14F007

M56-1(D4AF/D4AL)



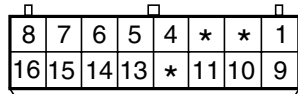
CR20F001

M56-1(D4DD)



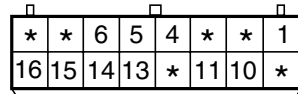
CR20F001

M56-2(D4AF/D4AL)



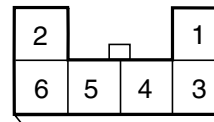
CR16F002

M56-2(D4DD)



CR16F002

M65

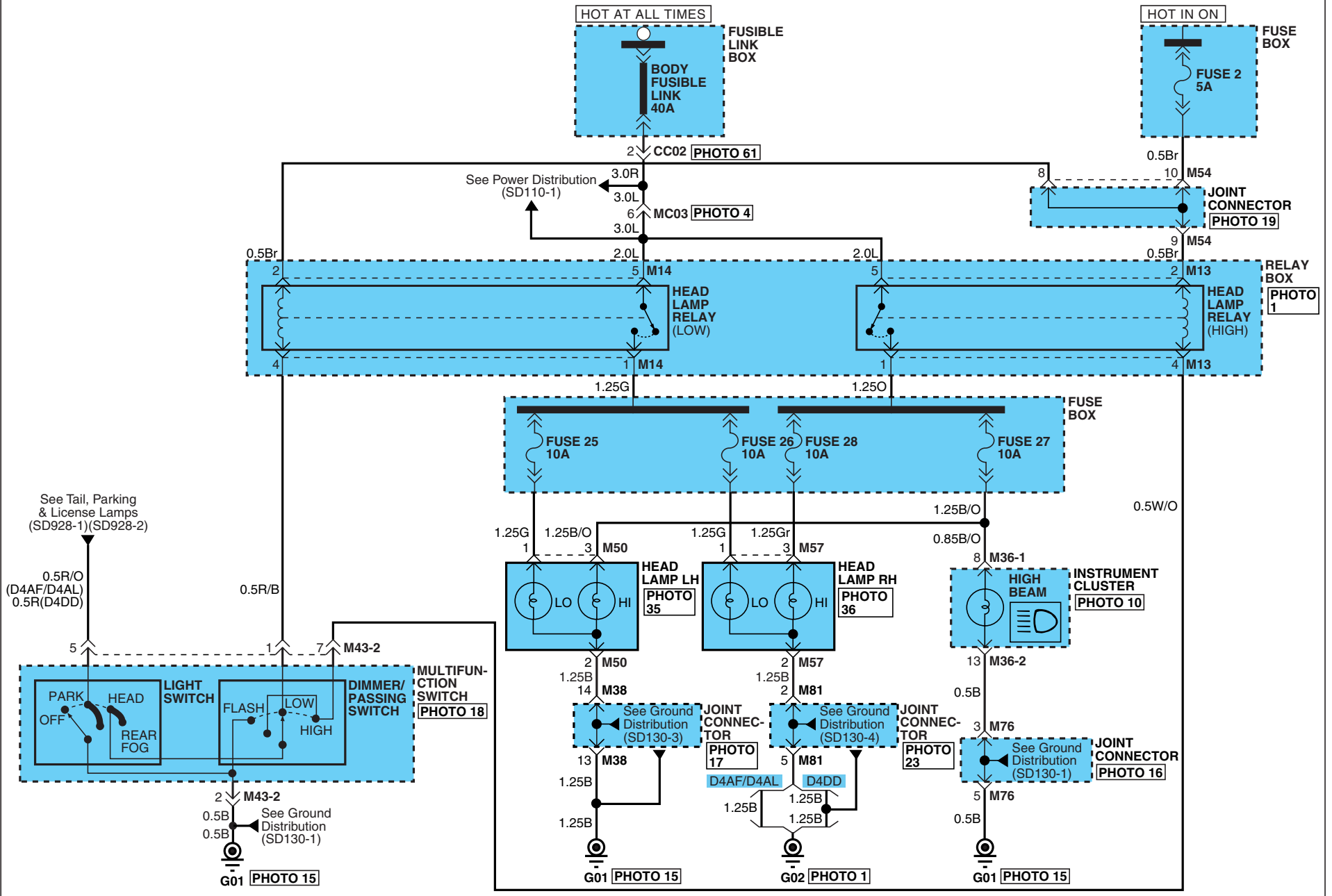


CR06F017

BLANK

HEAD LAMPS (1)

SD921-1

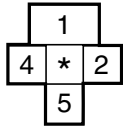


# HEAD LAMPS

## HEAD LAMPS (2)

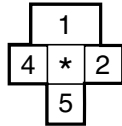
SD921-2

**M13**



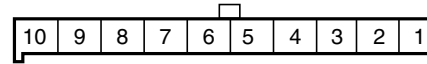
CR05F019

**M14**



CR05F019

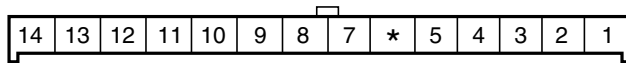
**M36-1**



CR10F005

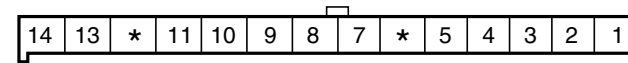
**BLANK**

**M36-2(D4AF/D4AL)**



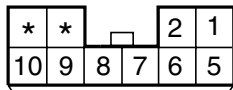
CR14F007

**M36-2(D4DD)**



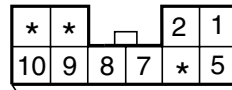
CR14F007

**M43-2(D4AF/D4AL)**



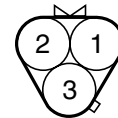
CR10F014

**M43-2(D4DD)**



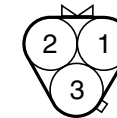
CR10F014

**M50**



CR03F020

**M57**

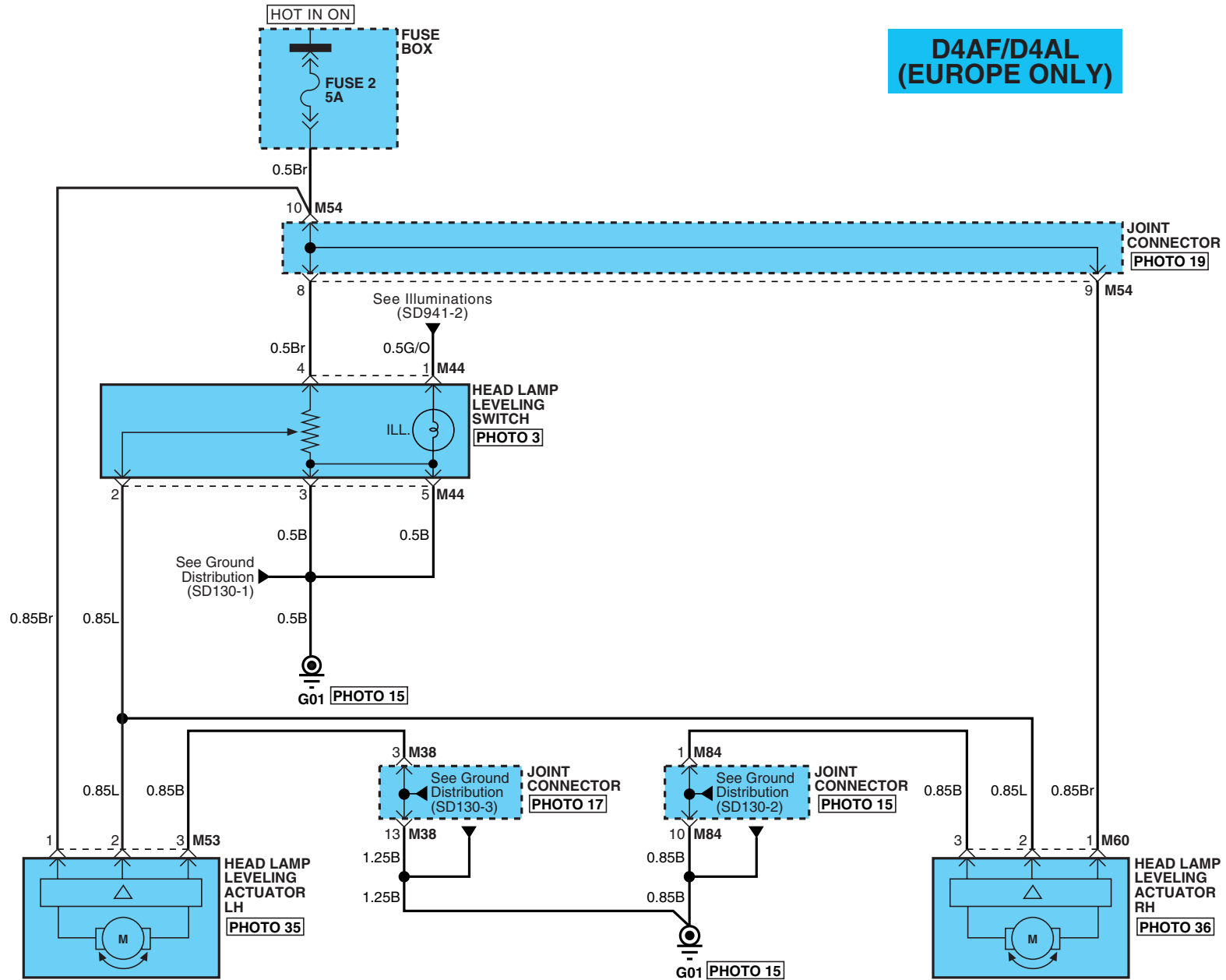


CR03F020

HEAD LAMP LEVELING DEVICE (1)

SD922-1

D4AF/D4AL  
(EUROPE ONLY)



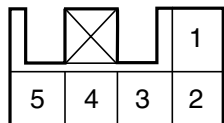


# HEAD LAMP LEVELING DEVICE

## HEAD LAMP LEVELING DEVICE (2)

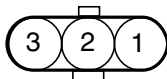
SD922-2

M44



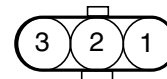
CR05F013

M53



CR03F001

M60



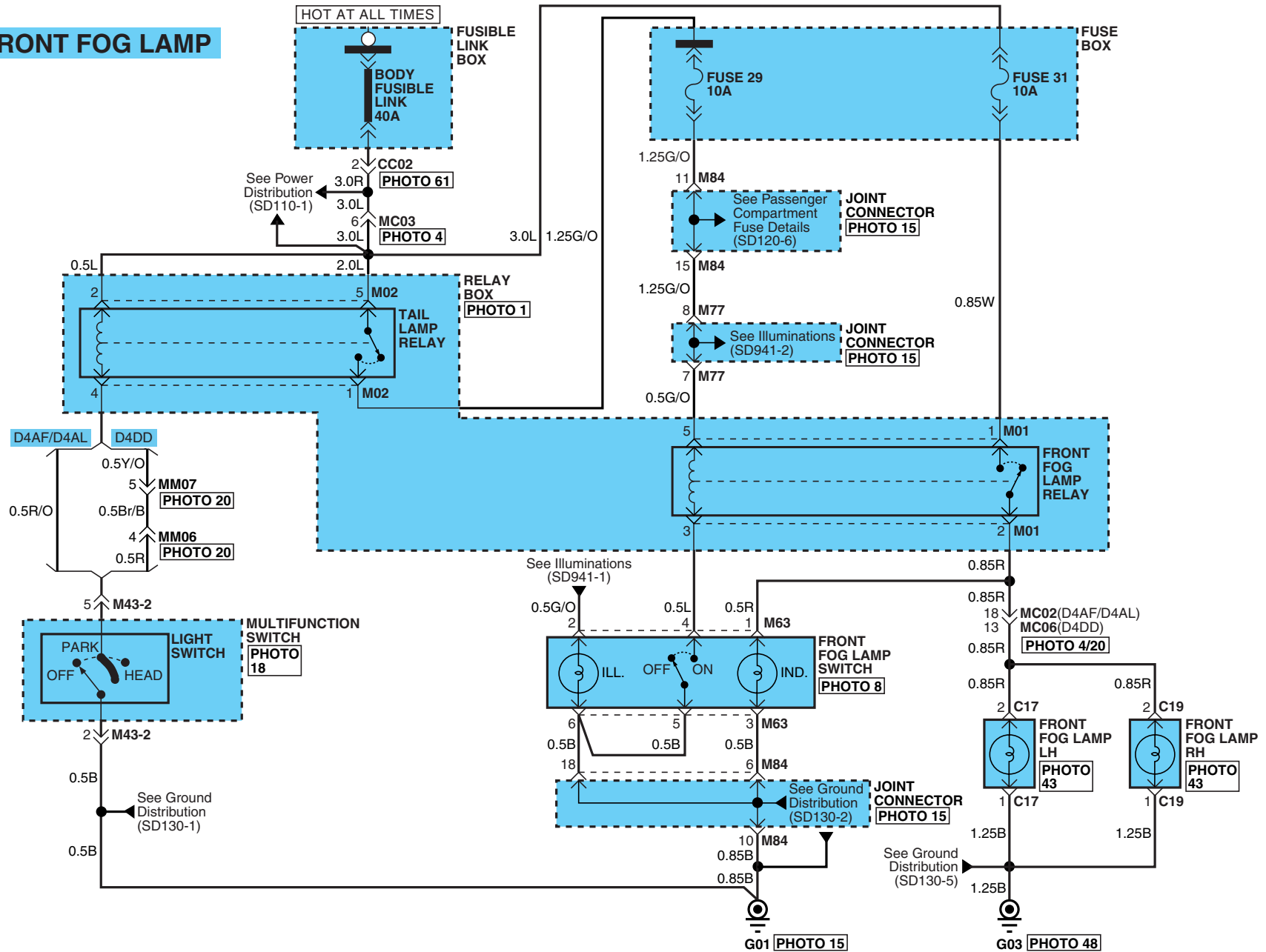
CR03F001

BLANK

FOG LAMPS (1)

SD924-1

FRONT FOG LAMP

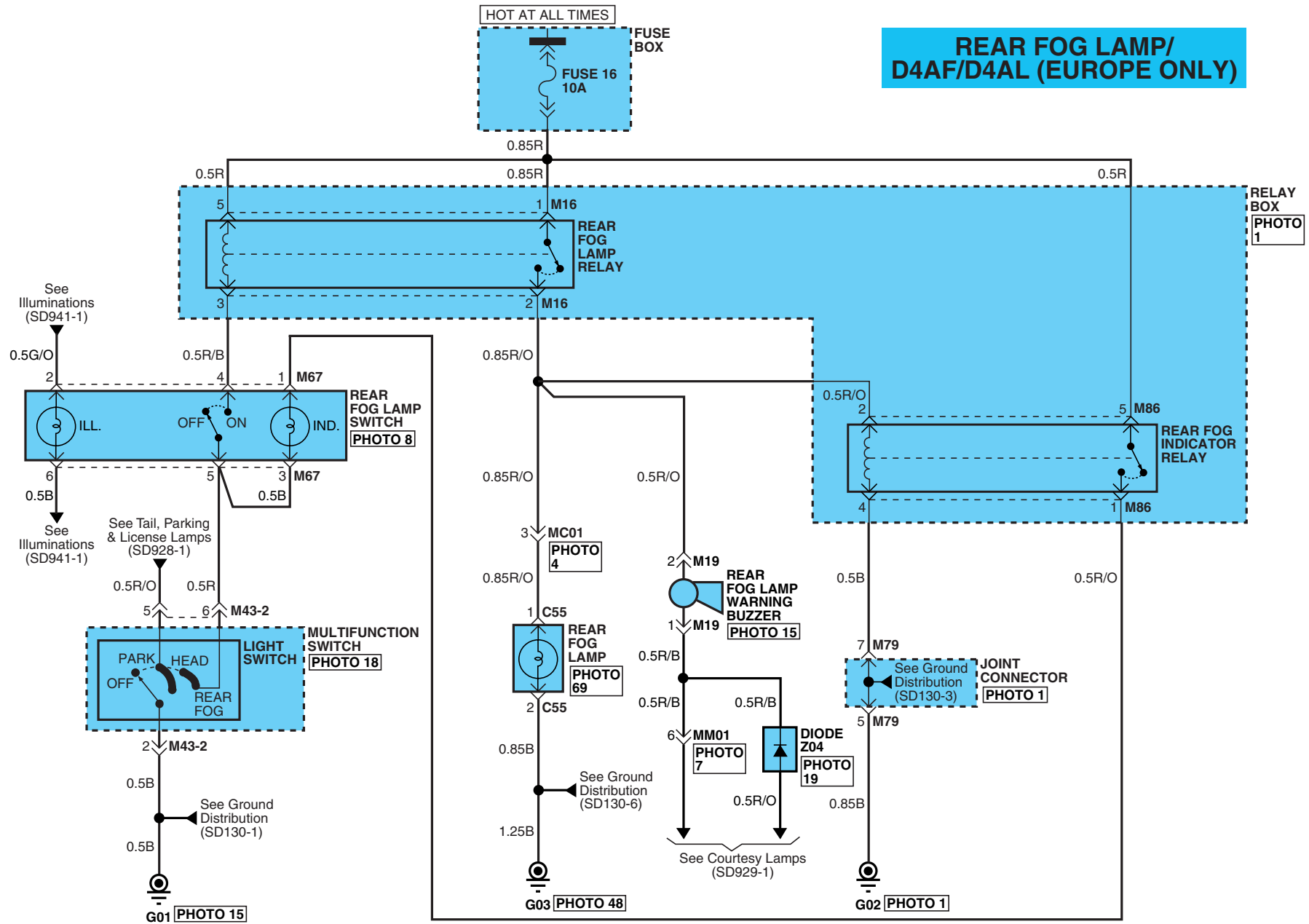


# FOG LAMPS

## FOG LAMPS (2)

SD924-2

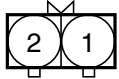
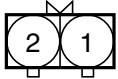
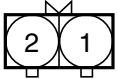
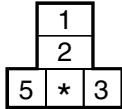
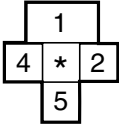
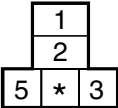
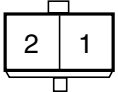
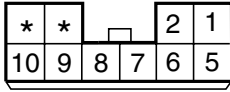
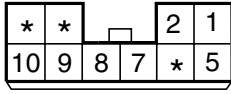
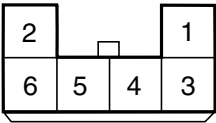
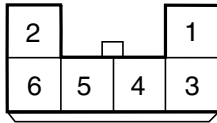
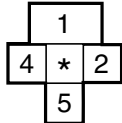
### REAR FOG LAMP/ D4AF/D4AL (EUROPE ONLY)



**FOG LAMPS**

**FOG LAMPS (3)**

**SD924-3**

<p style="text-align: center;"><b>C17</b></p>  <p style="text-align: right; font-size: small;">CR02F040</p>	<p style="text-align: center;"><b>C19</b></p>  <p style="text-align: right; font-size: small;">CR02F040</p>	<p style="text-align: center;"><b>C55</b></p>  <p style="text-align: right; font-size: small;">CR02F040</p>	<p style="text-align: center;"><b>M01</b></p>  <p style="text-align: right; font-size: small;">CR05F011</p>
<p style="text-align: center;"><b>M02</b></p>  <p style="text-align: right; font-size: small;">CR05F019</p>	<p style="text-align: center;"><b>M16</b></p>  <p style="text-align: right; font-size: small;">CR05F011</p>	<p style="text-align: center;"><b>M19</b></p>  <p style="text-align: right; font-size: small;">CR02F049</p>	<p style="text-align: center;"><b>M43-2(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR10F014</p>
<p style="text-align: center;"><b>M43-2(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR10F014</p>	<p style="text-align: center;"><b>M63</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p style="text-align: center;"><b>M67</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p style="text-align: center;"><b>M86</b></p>  <p style="text-align: right; font-size: small;">CR05F019</p>

**FOG LAMPS**

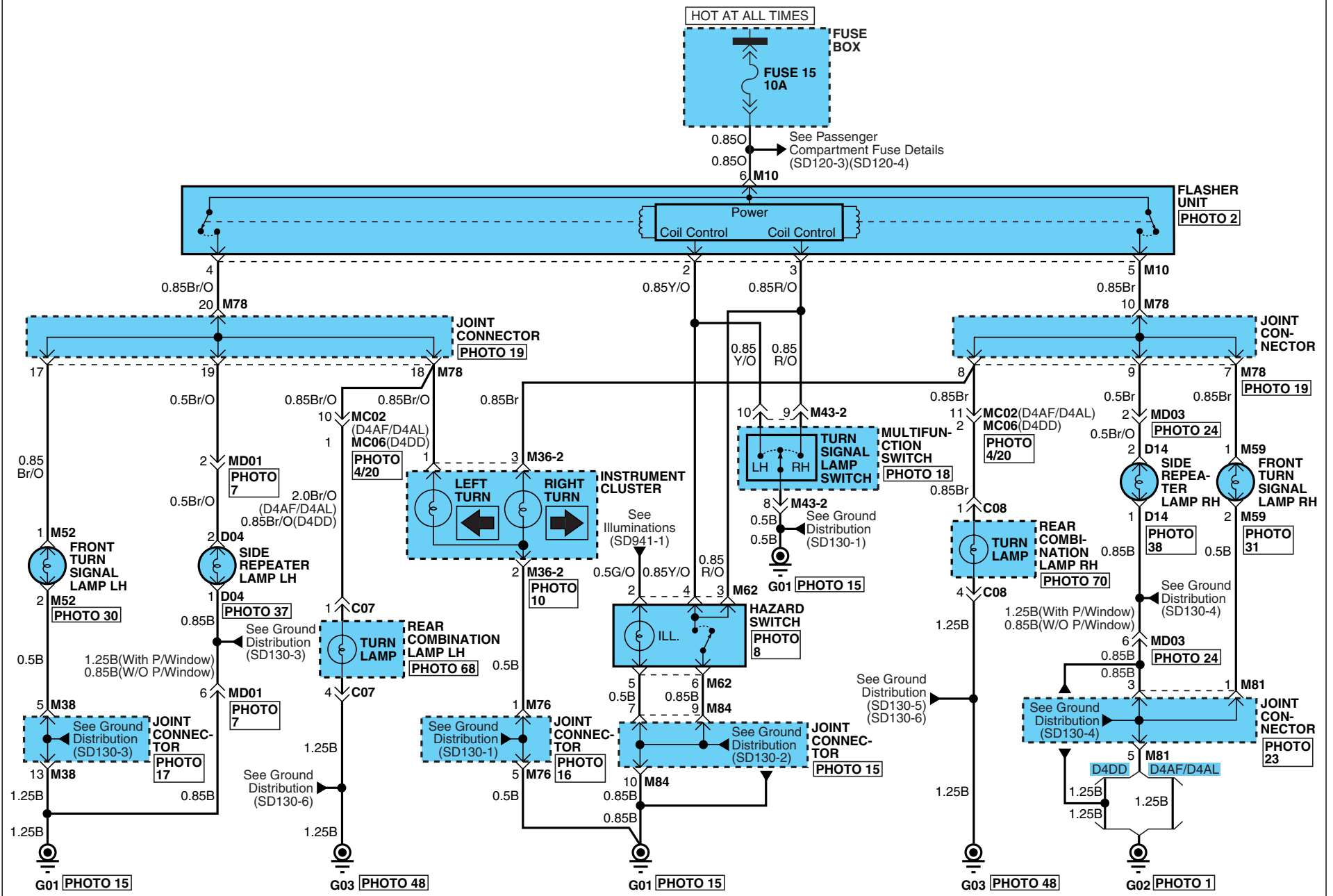
**FOG LAMPS (4)**

**SD924-4**

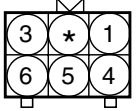
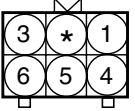
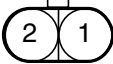
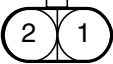
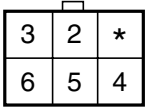
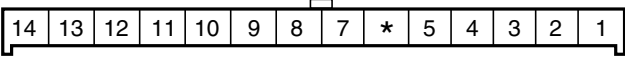
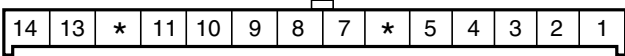
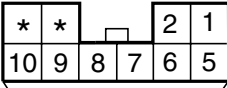
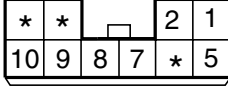
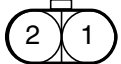
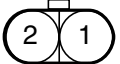
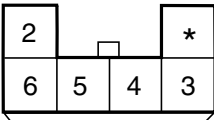
**MEMO**

TURN & HAZARD LAMPS (1)

SD925-1

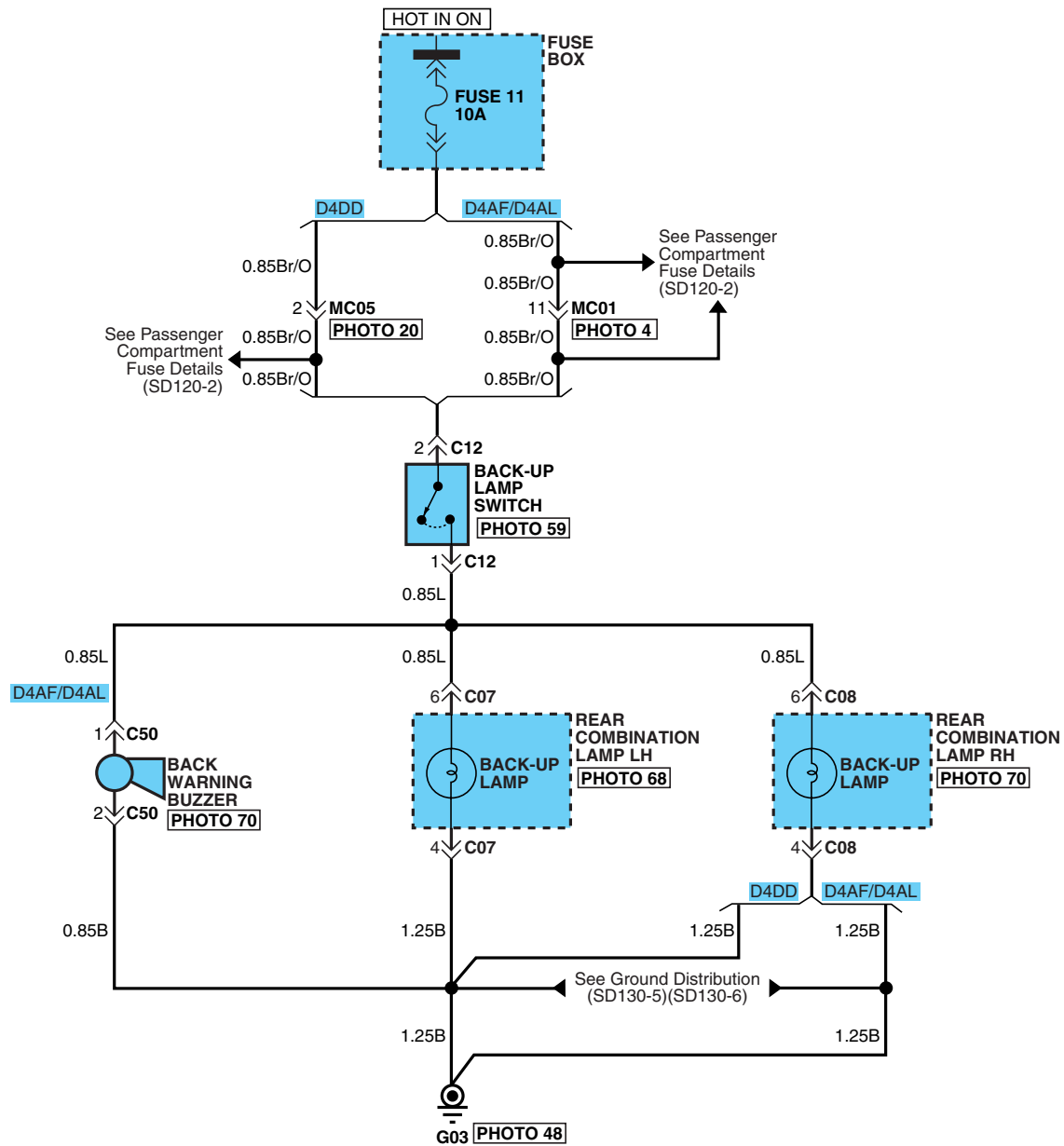


# TURN & HAZARD LAMPS

TURN & HAZARD LAMPS (2)			SD925-2
<p><b>C07</b></p>  <p>CR06F016</p>	<p><b>C08</b></p>  <p>CR06F016</p>	<p><b>D04</b></p>  <p>CR02F001</p>	<p><b>D14</b></p>  <p>CR02F001</p>
<p><b>M10</b></p>  <p>CR06F002</p>	<p><b>M36-2(D4AF/D4AL)</b></p>  <p>CR14F007</p>		<p><b>BLANK</b></p>
<p><b>M36-2(D4DD)</b></p>  <p>CR14F007</p>		<p><b>M43-2(D4AF/D4AL)</b></p>  <p>CR10F014</p>	<p><b>M43-2(D4DD)</b></p>  <p>CR10F014</p>
<p><b>M52</b></p>  <p>CR02F001</p>	<p><b>M59</b></p>  <p>CR02F001</p>	<p><b>M62</b></p>  <p>CR06F017</p>	<p><b>BLANK</b></p>
<p> </p>			

BACK-UP LAMPS (1)

SD926-1



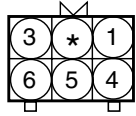


# BACK-UP LAMPS

## BACK-UP LAMPS (2)

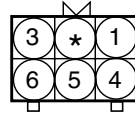
SD926-2

C07



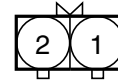
CR06F016

C08



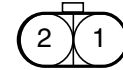
CR06F016

C12



CR02F040

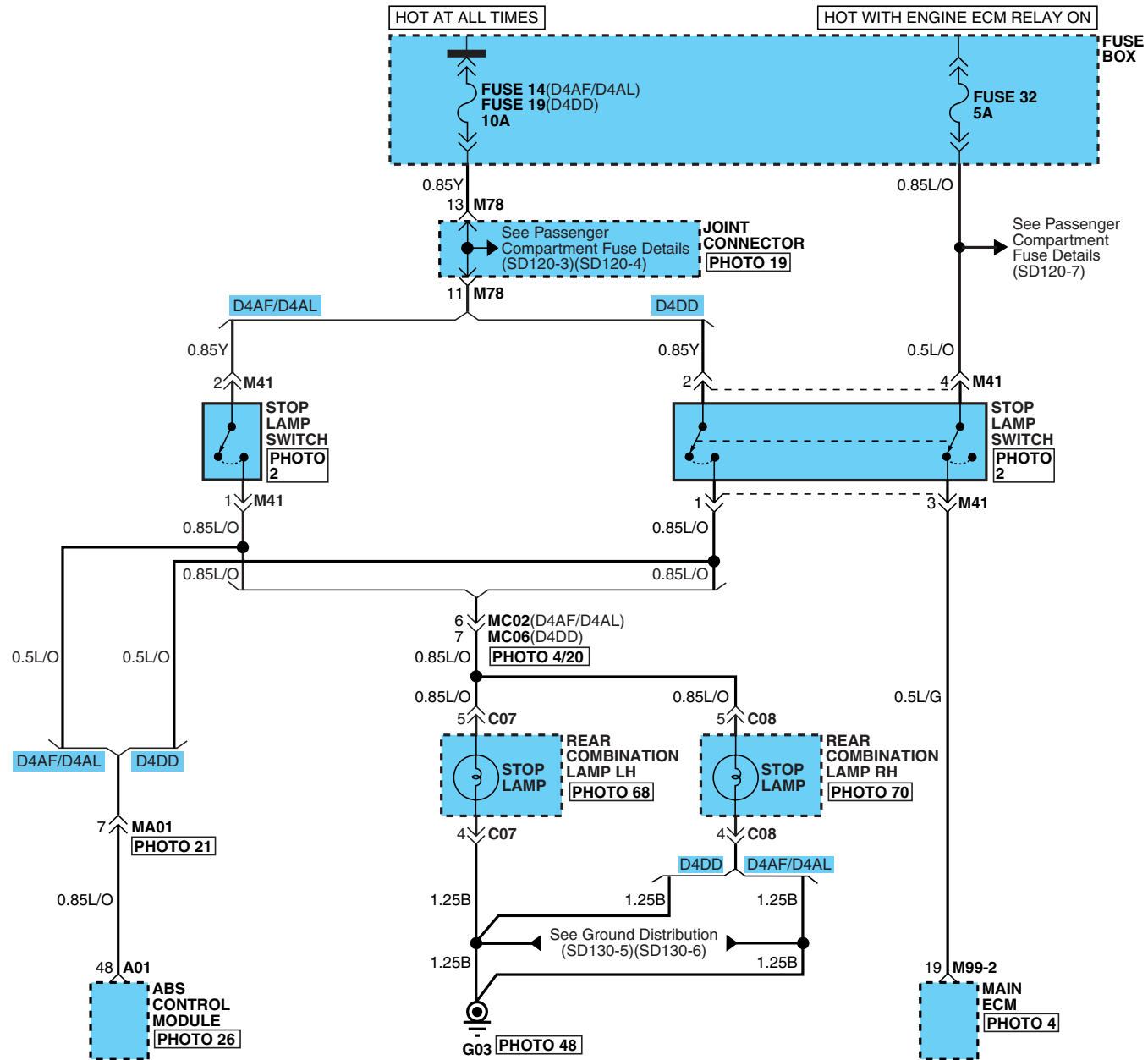
C50



CR02F001

STOP LAMPS (1)

SD927-1



# STOP LAMPS

## STOP LAMPS (2)

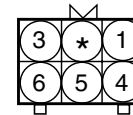
SD927-2

A01

28	*	26	25	*	*	*	*	*	19	*	*	16	*	14	13	12	11	10	9	*	7	6	5	*	*	*	1	
55	54	53	*	*	*	49	48	*	46	45	*	*	*	*	40	39	*	37	*	35	34	33	*	31	30	29		
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

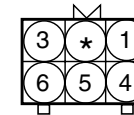
CR55F005

C07



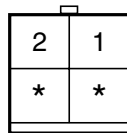
CR06F016

C08



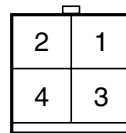
CR06F016

M41(D4AF/D4AL)



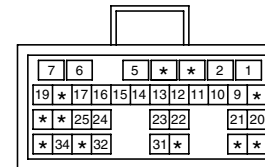
CR04F016

M41(D4DD)



CR04F016

M99-2

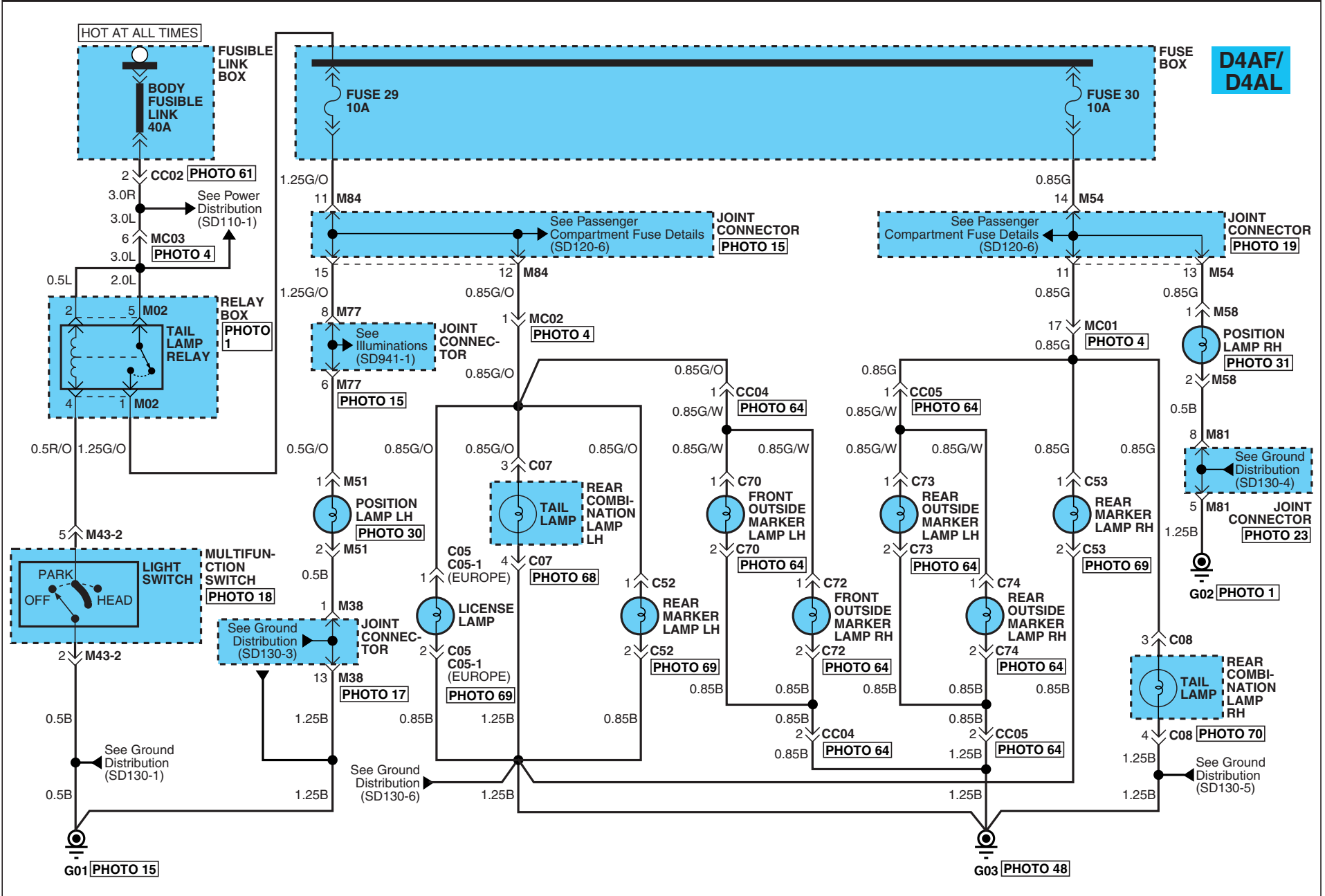


CR35F009

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TAIL, PARKING & LICENSE LAMPS (1)

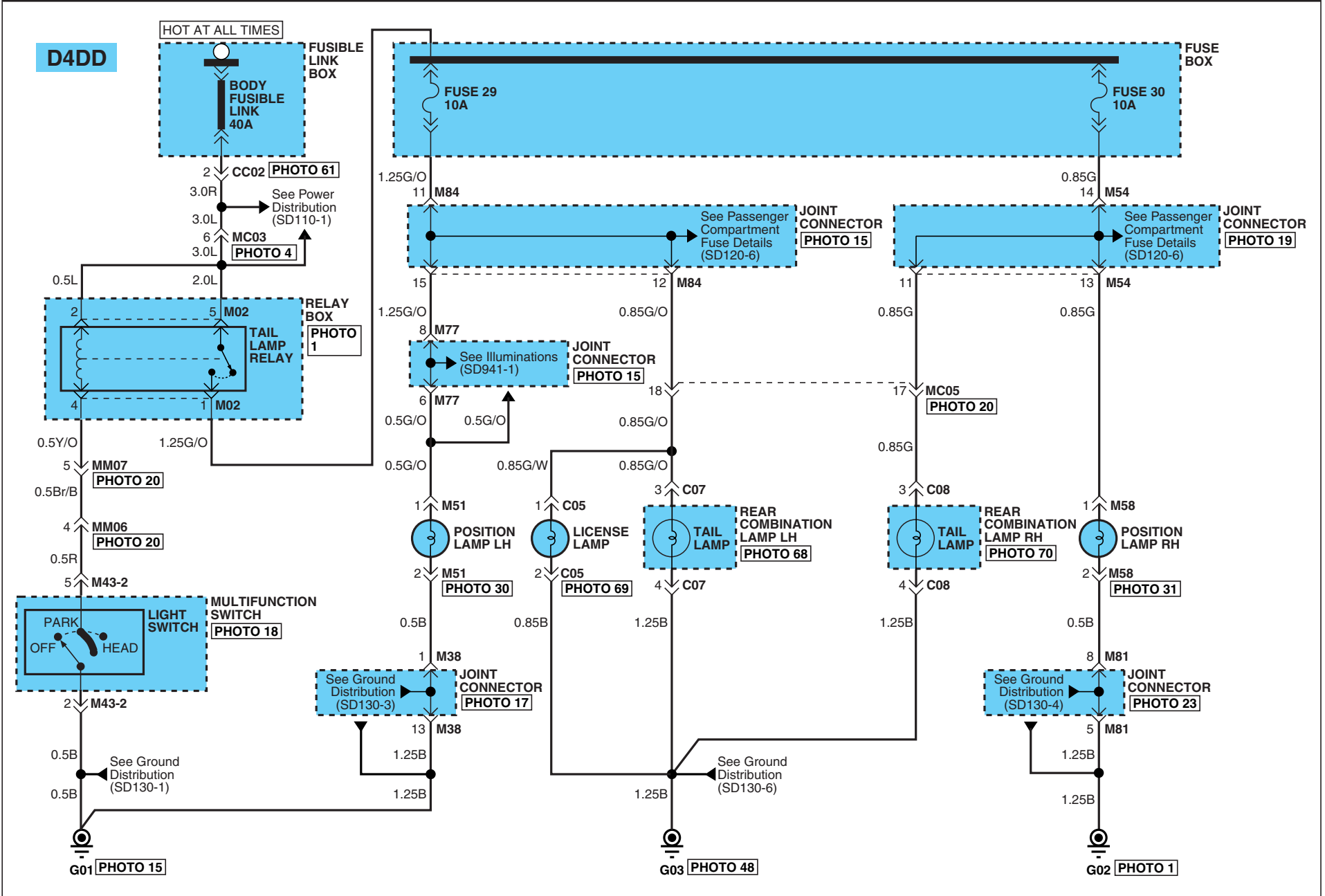
SD928-1



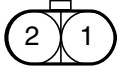
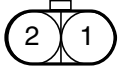
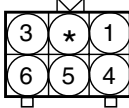
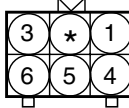
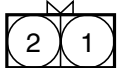
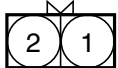
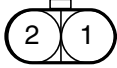
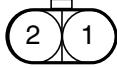
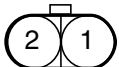
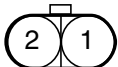
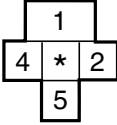
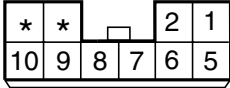
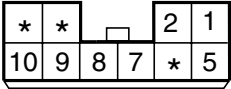
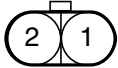
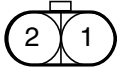
# TAIL, PARKING & LICENSE LAMPS

## TAIL, PARKING & LICENSE LAMPS (2)

SD928-2



**TAIL, PARKING & LICENSE LAMPS**

TAIL, PARKING & LICENSE LAMPS (3)			SD928-3
<p><b>C05</b></p>  <p>CR02F001</p>	<p><b>C05-1</b></p>  <p>CR02F001</p>	<p><b>C07</b></p>  <p>CR06F016</p>	<p><b>C08</b></p>  <p>CR06F016</p>
<p><b>C52</b></p>  <p>CR02F040</p>	<p><b>C53</b></p>  <p>CR02F040</p>	<p><b>C70</b></p>  <p>CR02F001</p>	<p><b>C72</b></p>  <p>CR02F001</p>
<p><b>C73</b></p>  <p>CR02F001</p>	<p><b>C74</b></p>  <p>CR02F001</p>	<p><b>M02</b></p>  <p>CR05F019</p>	<p><b>M43-2(D4AF/D4AL)</b></p>  <p>CR10F014</p>
<p><b>M43-2(D4DD)</b></p>  <p>CR10F014</p>	<p><b>M51</b></p>  <p>CR02F001</p>	<p><b>M58</b></p>  <p>CR02F001</p>	<p><b>BLANK</b></p>

**TAIL, PARKING & LICENSE LAMPS**

**TAIL, PARKING & LICENSE LAMPS (4)**

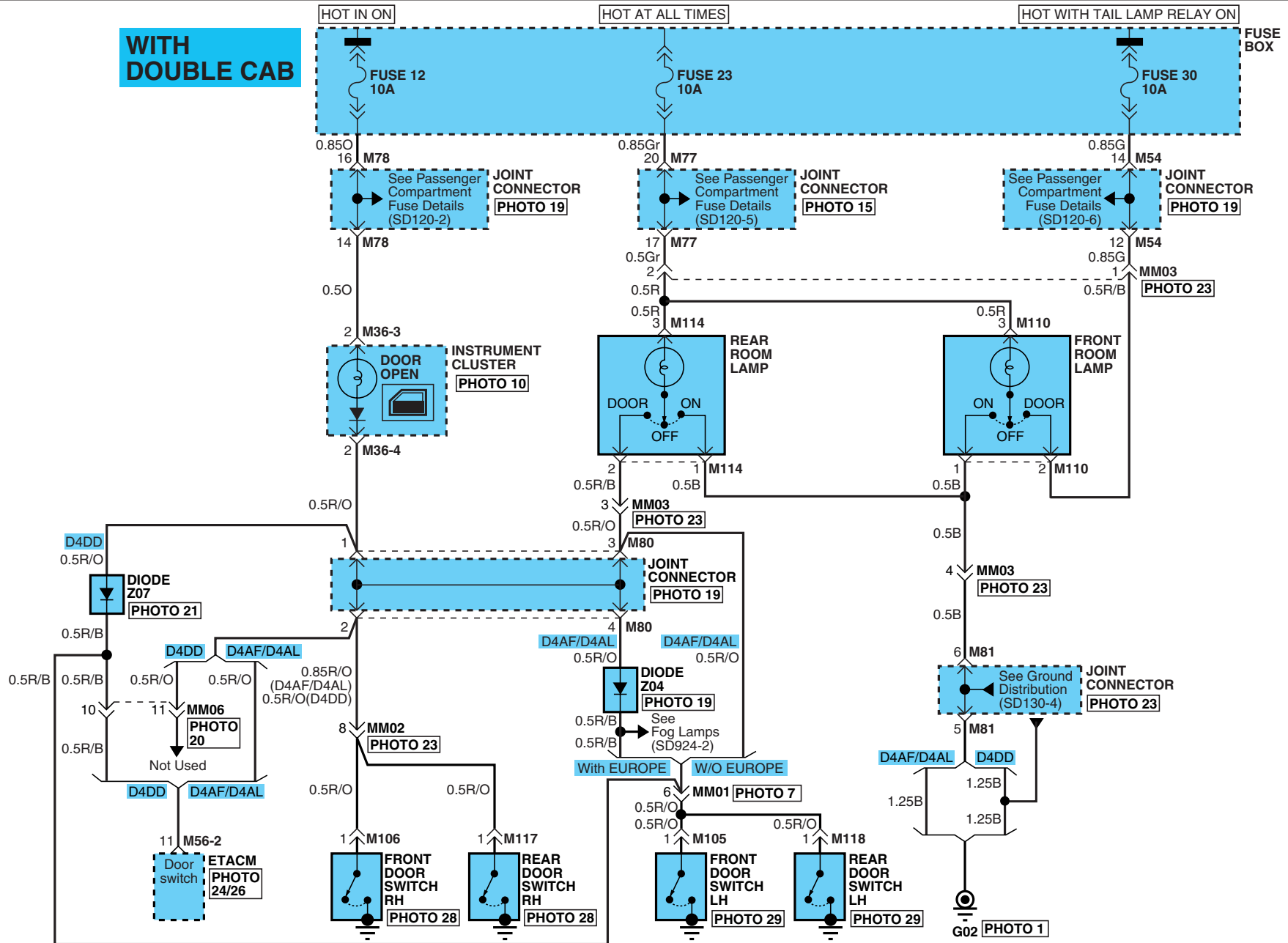
**SD928-4**

**MEMO**

COURTESY LAMPS (1)

SD929-1

**WITH DOUBLE CAB**

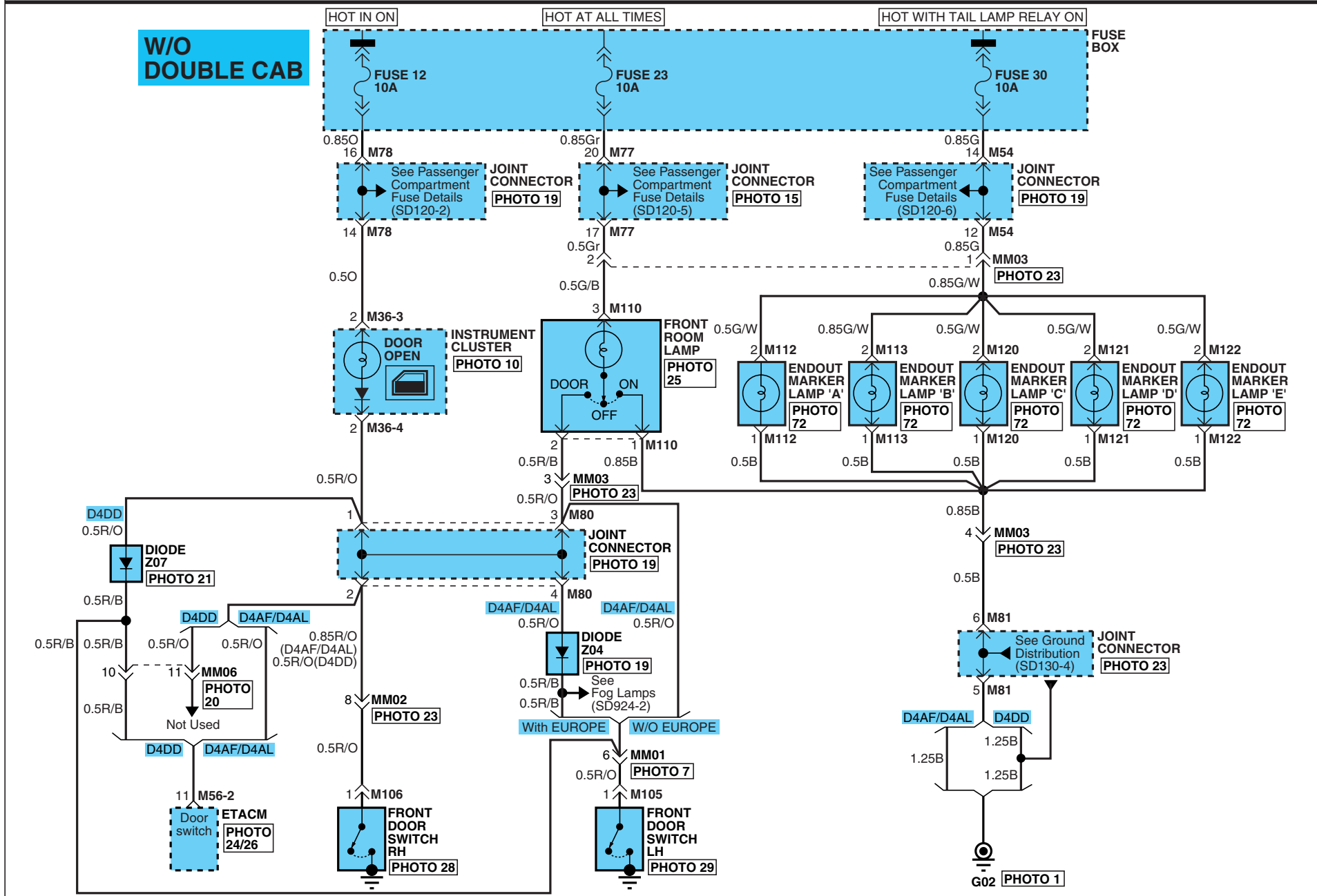




# COURTESY LAMPS

## COURTESY LAMPS (2)

SD929-2

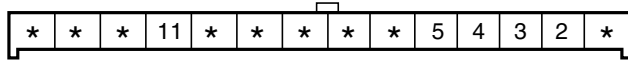


**COURTESY LAMPS**

**COURTESY LAMPS (3)**

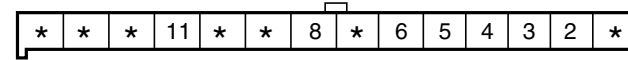
**SD929-3**

**M36-3(D4AF/D4AL)**



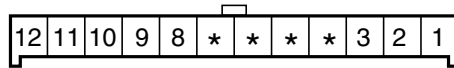
CR14F007

**M36-3(D4DD)**



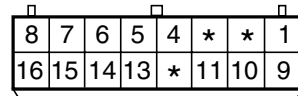
CR14F007

**M36-4**



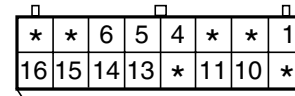
CR12F001

**M56-2(D4AF/D4AL)**



CR16F002

**M56-2(D4DD)**



CR16F002

**M105**



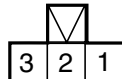
CR01F043

**M106**



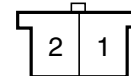
CR01F043

**M110**



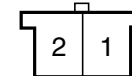
CR03F007

**M112**



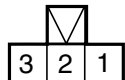
CR02F096

**M113**



CR02F096

**M114**



CR03F007

**M117**



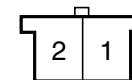
CR01F043

**M118**



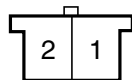
CR01F043

**M120**



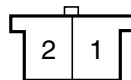
CR02F096

**M121**



CR02F096

**M122**



CR02F096

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**BLANK**

**COURTESY LAMPS**

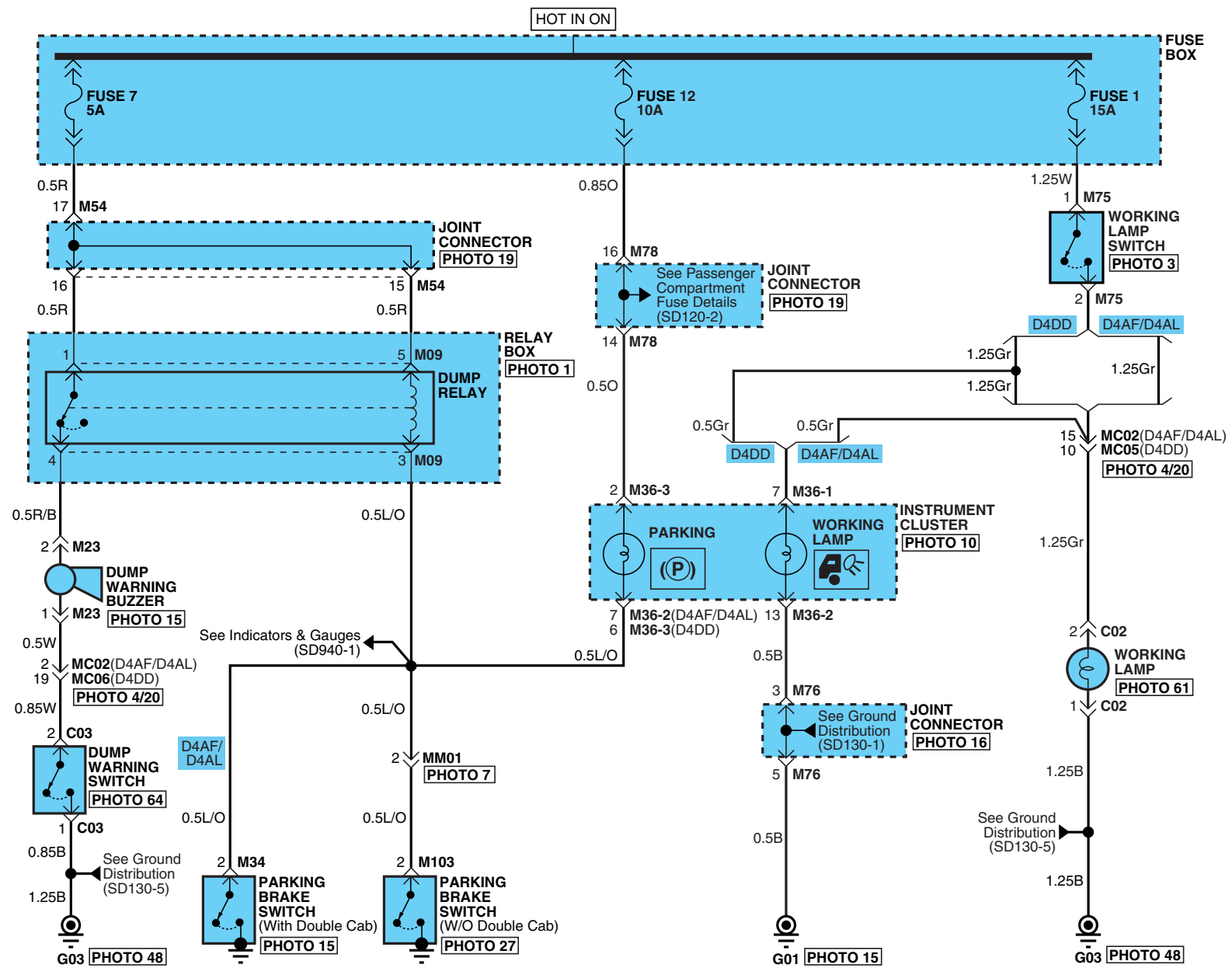
**COURTESY LAMPS (4)**

**SD929-4**

**MEMO**

WORKING LAMP & DUMP WARNING BUZZER (1)

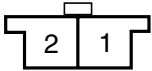
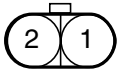
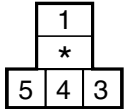
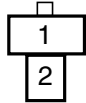
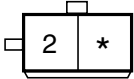
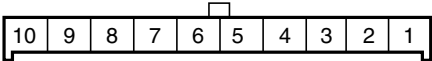
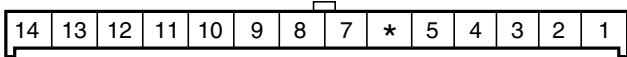
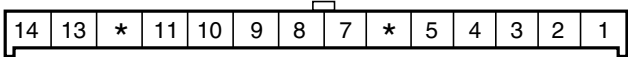
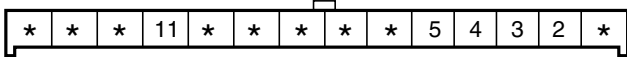
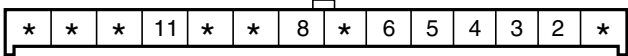
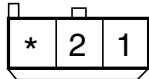
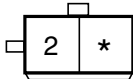
SD930-1



**WORKING LAMP & DUMP WARNING BUZZER**

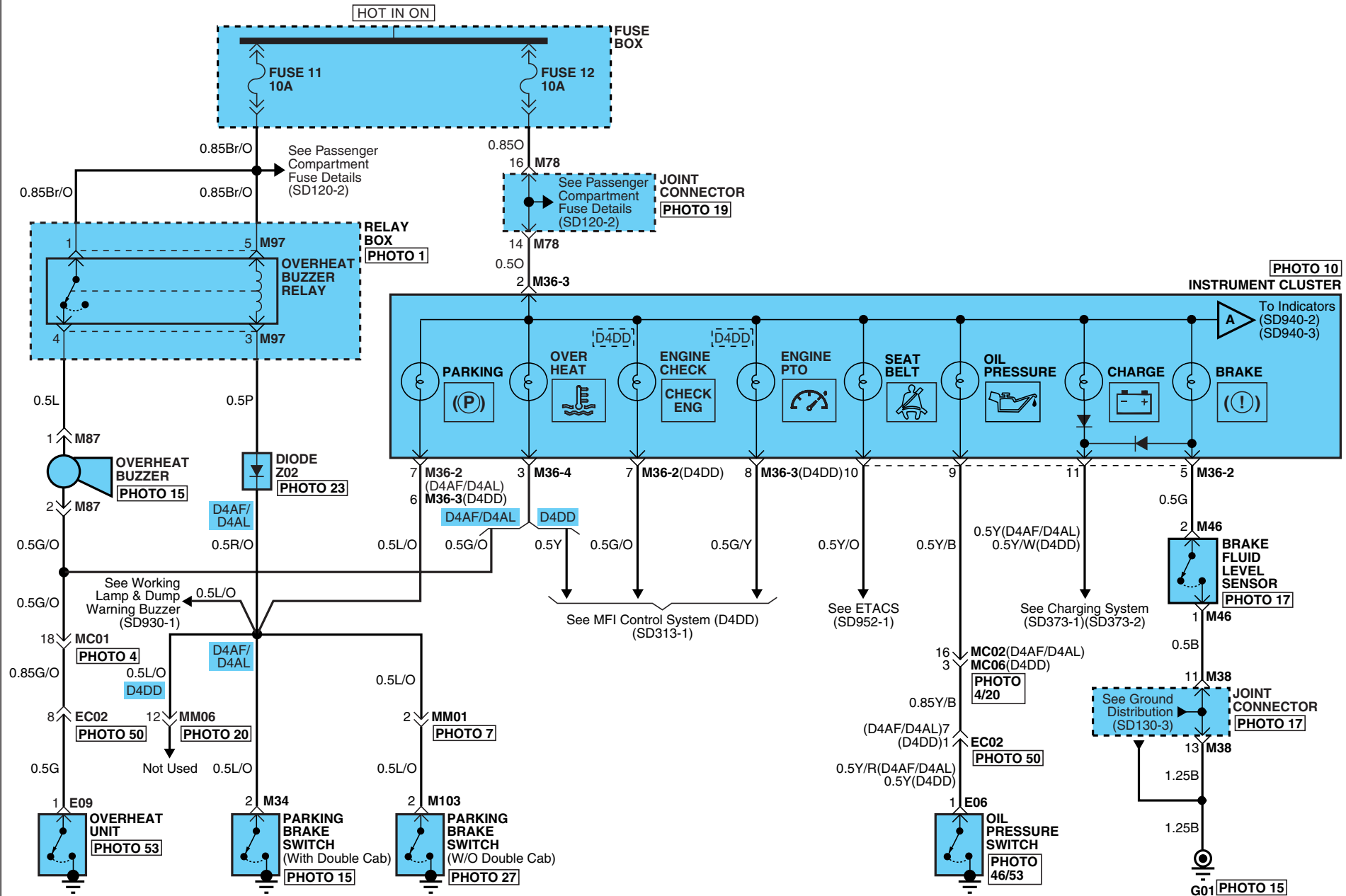
**WORKING LAMP & DUMP WARNING BUZZER (2)**

**SD930-2**

<p style="text-align: center;"><b>C02</b></p>  <p style="text-align: right; font-size: small;">CR02F010</p>	<p style="text-align: center;"><b>C03</b></p>  <p style="text-align: right; font-size: small;">CR02F001</p>	<p style="text-align: center;"><b>M09</b></p>  <p style="text-align: right; font-size: small;">CR05F011</p>	<p style="text-align: center;"><b>M23</b></p>  <p style="text-align: right; font-size: small;">CR02F012</p>
<p style="text-align: center;"><b>M34</b></p>  <p style="text-align: right; font-size: small;">CR02F046</p>	<p style="text-align: center;"><b>M36-1</b></p>  <p style="text-align: right; font-size: small;">CR10F005</p>	<p style="text-align: center;"><b>M36-2(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR14F007</p>	
<p style="text-align: center;"><b>M36-2(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR14F007</p>		<p style="text-align: center;"><b>M36-3(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR14F007</p>	
<p style="text-align: center;"><b>M36-3(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR14F007</p>		<p style="text-align: center;"><b>M75</b></p>  <p style="text-align: right; font-size: small;">CR03F026</p>	<p style="text-align: center;"><b>M103</b></p>  <p style="text-align: right; font-size: small;">CR02F046</p>

INDICATORS & GAUGES (1)

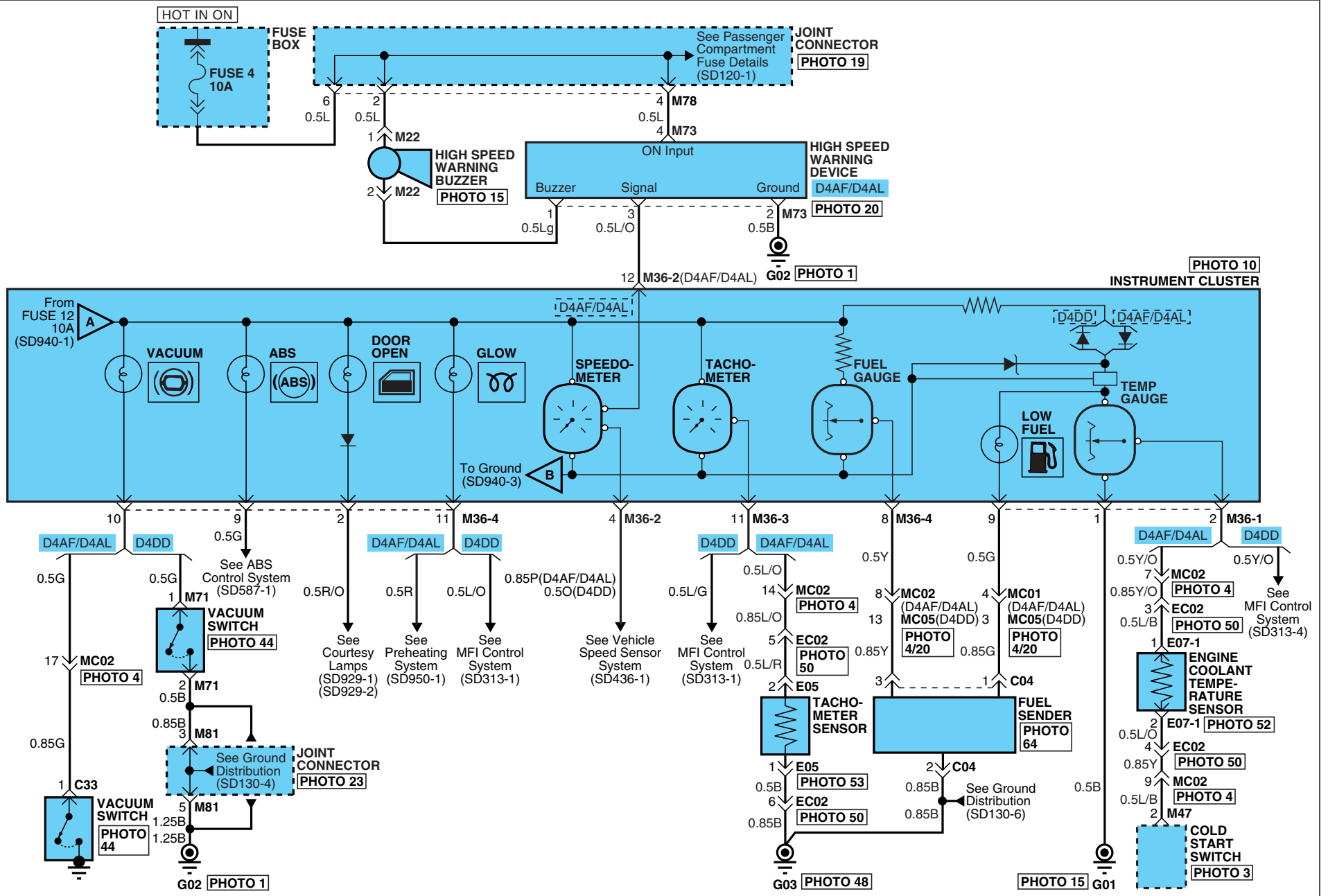
SD940-1



INDICATORS & GAUGES

INDICATORS & GAUGES (2)

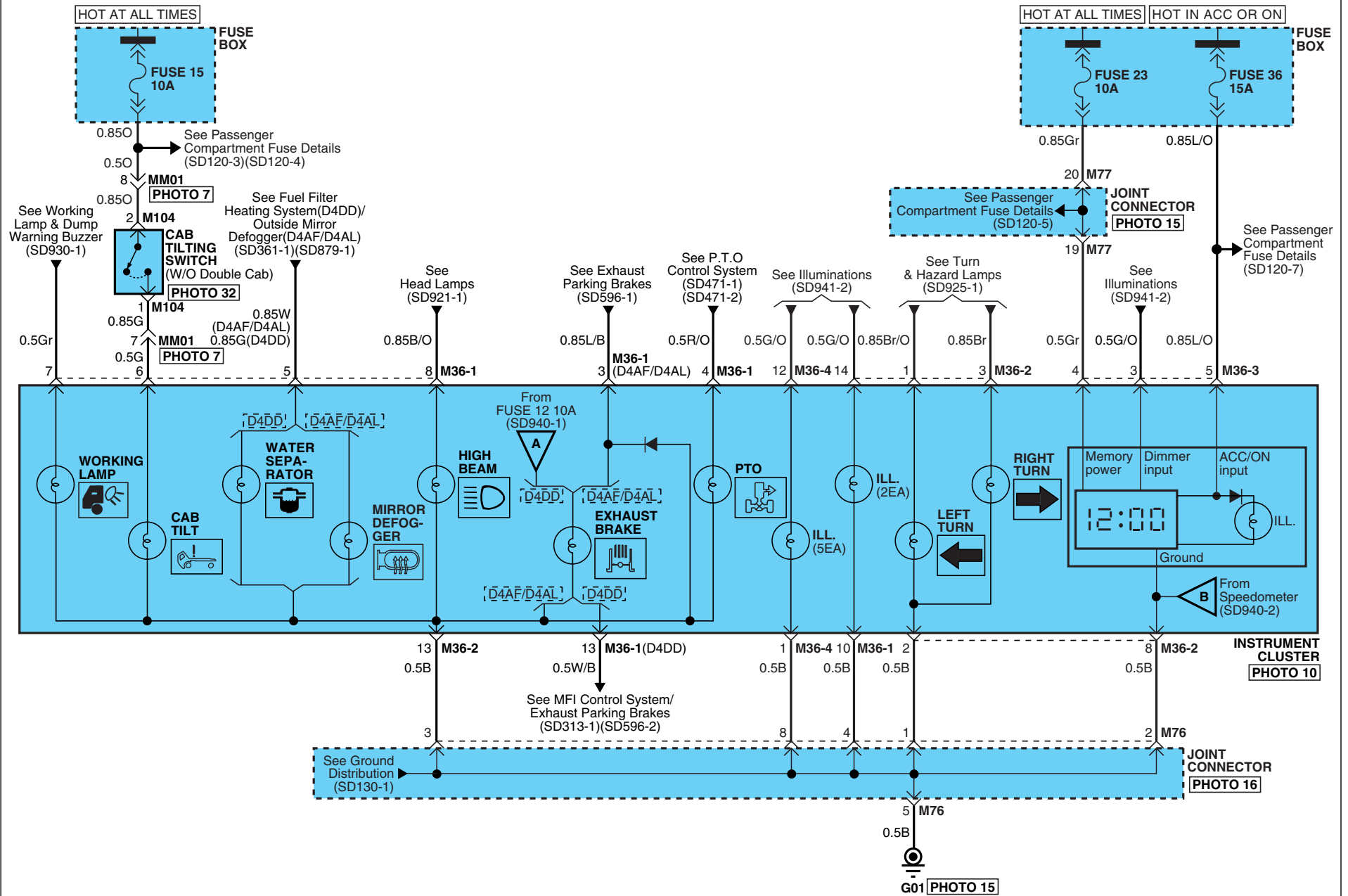
SD940-2



# INDICATORS & GAUGES

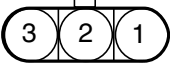





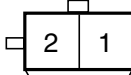
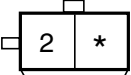
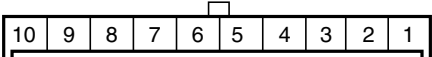
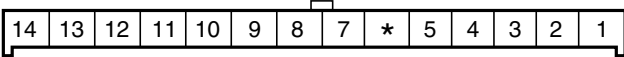
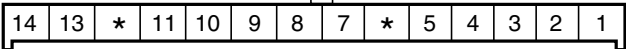
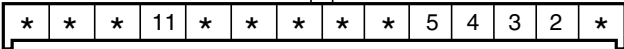
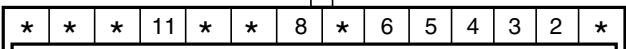

## INDICATORS & GAUGES (3)

SD940-3

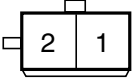
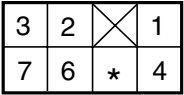
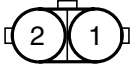
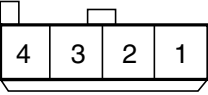
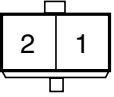
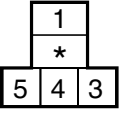
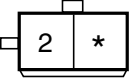
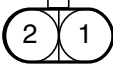




# INDICATORS & GAUGES

INDICATORS & GAUGES (4)			SD940-4
<p><b>C04</b></p>  <p>CR03F016</p>	<p><b>C33</b></p>  <p>CR01F001</p>	<p><b>E05</b></p>  <p>CR02F040</p>	<p><b>E06</b></p>  <p>CR01F020</p>
<p><b>E07-1</b></p>  <p>CR02F064</p>	<p><b>E09</b></p>  <p>CR01F002</p>	<p><b>M22</b></p>  <p>CR02F046</p>	<p><b>M34</b></p>  <p>CR02F046</p>
<p><b>M36-1</b></p>  <p>CR10F005</p>	<p><b>M36-2(D4AF/D4AL)</b></p>  <p>CR14F007</p>		<p><b>BLANK</b></p>
<p><b>M36-2(D4DD)</b></p>  <p>CR14F007</p>		<p><b>M36-3(D4AF/D4AL)</b></p>  <p>CR14F007</p>	
<p><b>M36-3(D4DD)</b></p>  <p>CR14F007</p>		<p><b>M36-4</b></p>  <p>CR12F001</p>	

# INDICATORS & GAUGES

INDICATORS & GAUGES (5)			SD940-5
<p style="text-align: center;"><b>M46</b></p>  <p style="text-align: right; font-size: small;">CR02F046</p>	<p style="text-align: center;"><b>M47</b></p>  <p style="text-align: right; font-size: small;">CR07F002</p>	<p style="text-align: center;"><b>M71</b></p>  <p style="text-align: right; font-size: small;">CR02F118</p>	<p style="text-align: center;"><b>M73</b></p>  <p style="text-align: right; font-size: small;">CR04F048</p>
<p style="text-align: center;"><b>M87</b></p>  <p style="text-align: right; font-size: small;">CR02F049</p>	<p style="text-align: center;"><b>M97</b></p>  <p style="text-align: right; font-size: small;">CR05F011</p>	<p style="text-align: center;"><b>M103</b></p>  <p style="text-align: right; font-size: small;">CR02F046</p>	<p style="text-align: center;"><b>M104</b></p>  <p style="text-align: right; font-size: small;">CR02F001</p>

**INDICATORS & GAUGES**

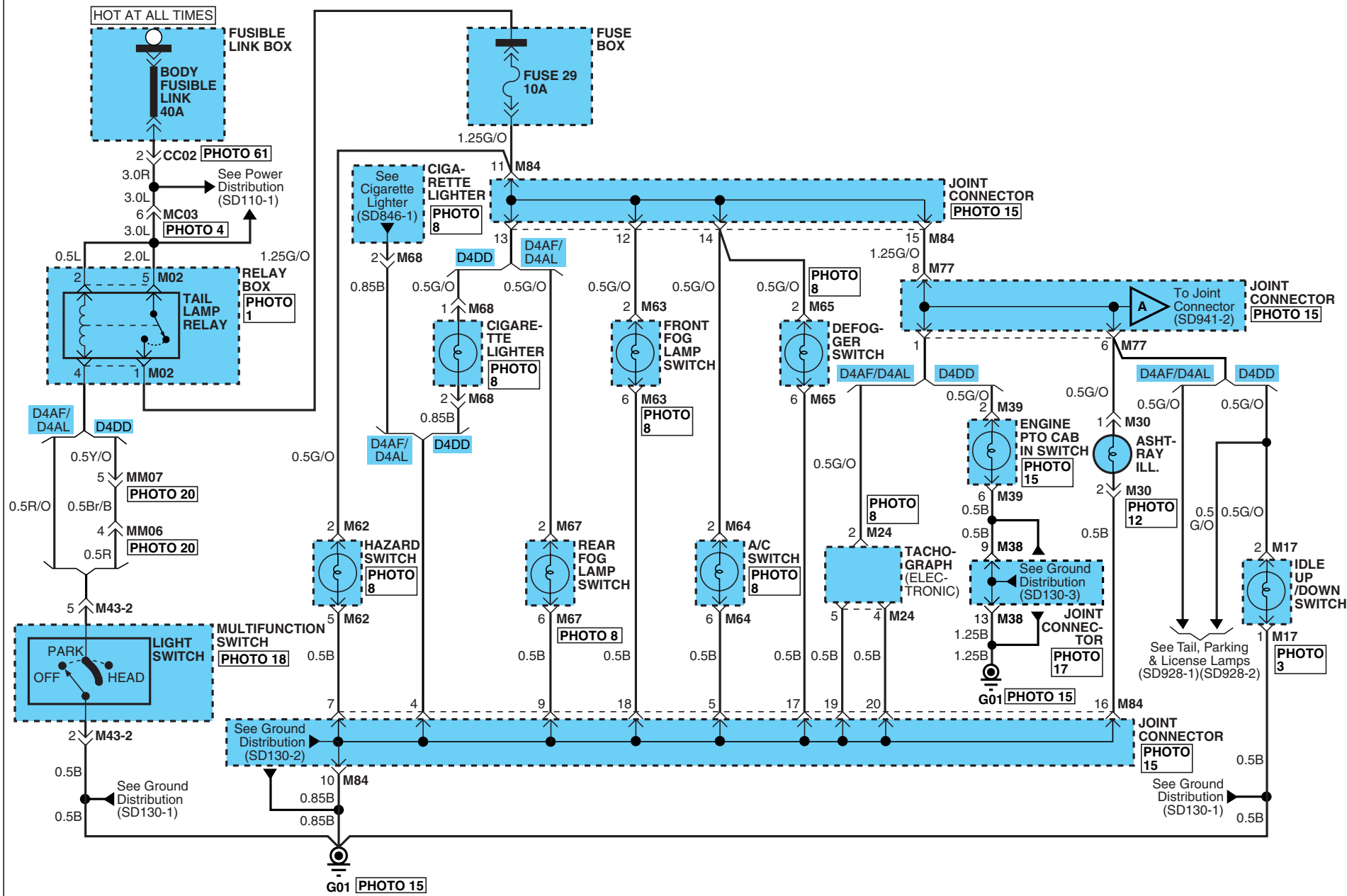
**INDICATORS & GAUGES (6)**

**SD940-6**

**MEMO**

ILLUMINATIONS (1)

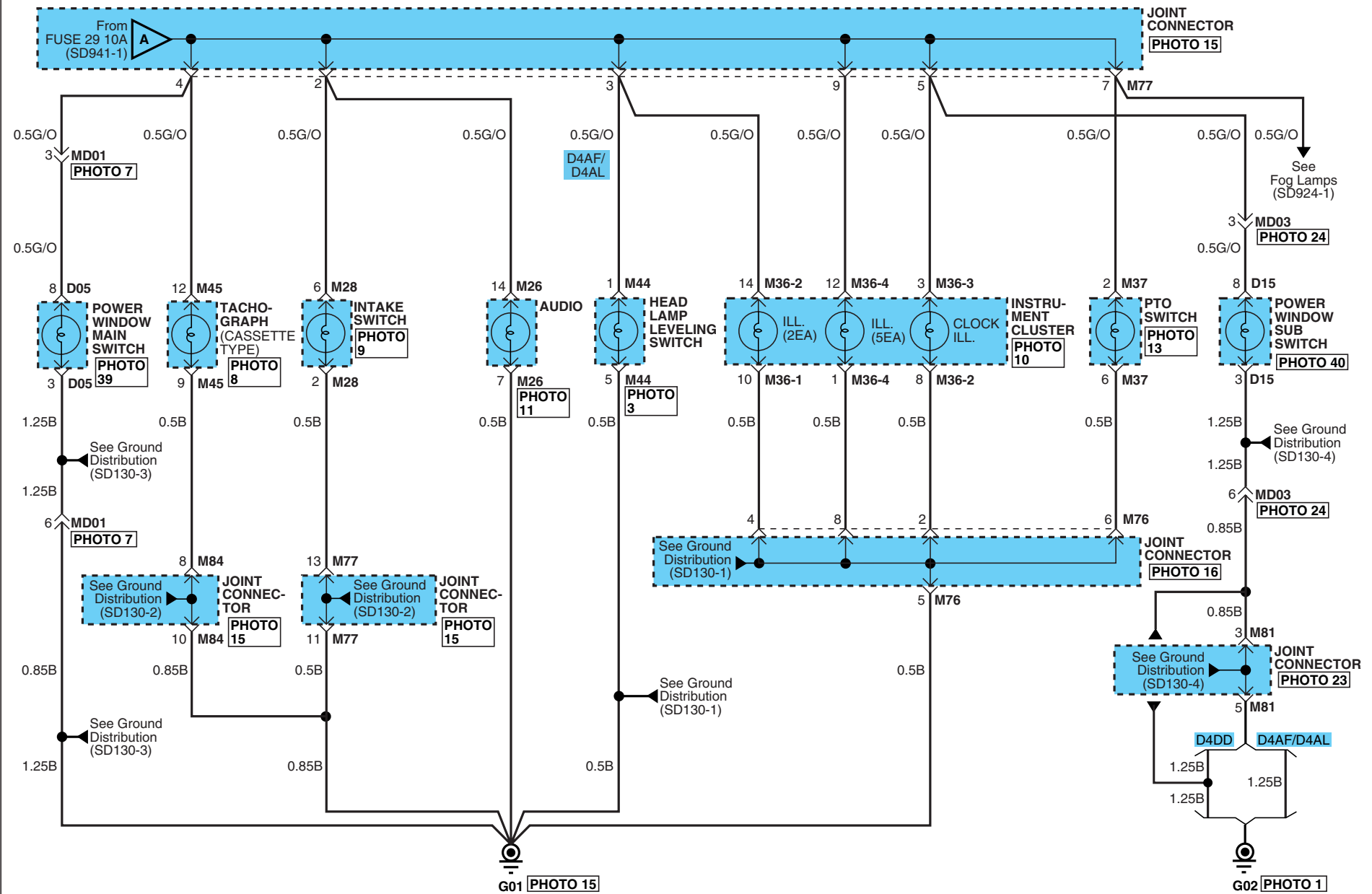
SD941-1



# ILLUMINATIONS

## ILLUMINATIONS (2)

SD941-2

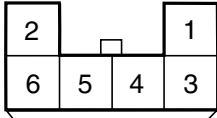
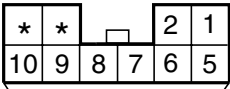
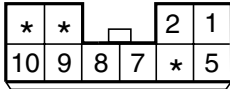
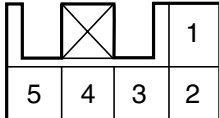
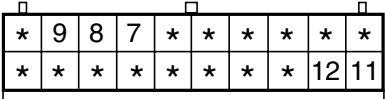
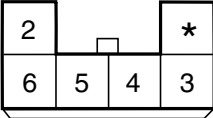
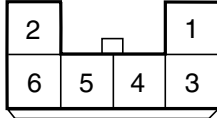
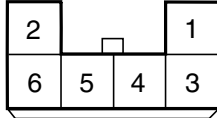
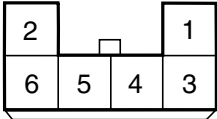
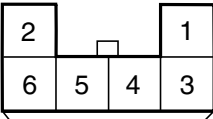
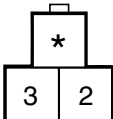
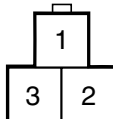


# ILLUMINATIONS

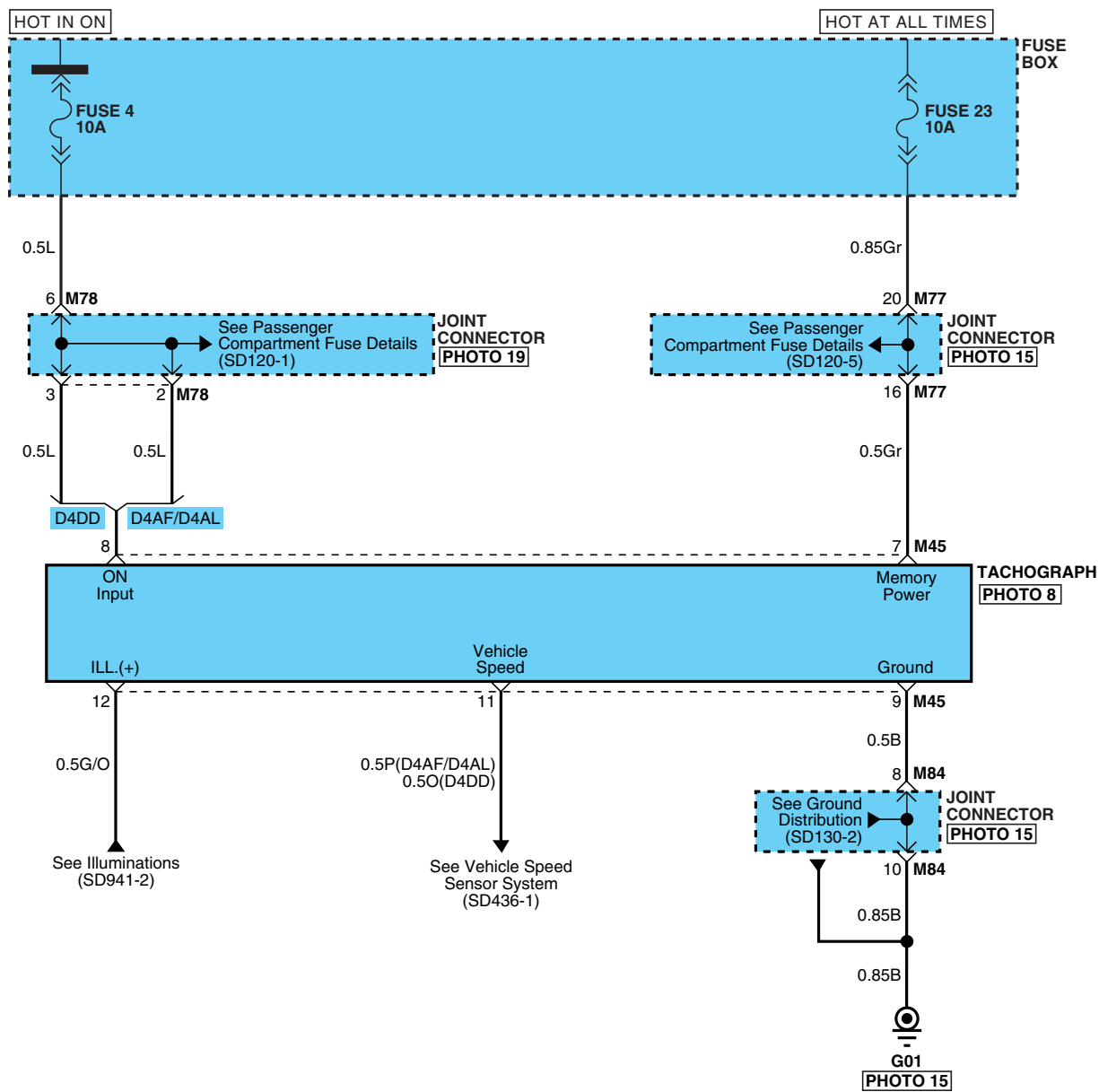
ILLUMINATIONS (3)			SD941-3																																							
<p><b>D05</b></p> <table border="1"> <tr><td>4</td><td>3</td><td>X</td><td>2</td><td>1</td></tr> <tr><td>9</td><td>8</td><td>*</td><td>6</td><td>5</td></tr> </table> <p>CR09F001</p>	4	3	X	2	1	9	8	*	6	5	<p><b>D15</b></p> <table border="1"> <tr><td>4</td><td>3</td><td>X</td><td>2</td><td>*</td></tr> <tr><td>9</td><td>8</td><td>*</td><td>6</td><td>5</td></tr> </table> <p>CR09F001</p>	4	3	X	2	*	9	8	*	6	5	<p><b>M02</b></p> <table border="1"> <tr><td></td><td>1</td><td></td></tr> <tr><td>4</td><td>*</td><td>2</td></tr> <tr><td></td><td>5</td><td></td></tr> </table> <p>CR05F019</p>		1		4	*	2		5		<p><b>M17</b></p> <table border="1"> <tr><td>3</td><td>2</td><td>X</td><td>1</td></tr> <tr><td>*</td><td>6</td><td>5</td><td>*</td></tr> </table> <p>CR07F002</p>	3	2	X	1	*	6	5	*		
4	3	X	2	1																																						
9	8	*	6	5																																						
4	3	X	2	*																																						
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3	2	X	1																																							
*	6	5	*																																							
<p><b>M24</b></p> <table border="1"> <tr><td>2</td><td></td><td></td><td>1</td></tr> <tr><td>*</td><td>5</td><td>4</td><td>3</td></tr> </table> <p>CR06F017</p>	2			1	*	5	4	3	<p><b>M26</b></p> <table border="1"> <tr><td>*</td><td>*</td><td>4</td><td>X</td><td>3</td><td>*</td><td>*</td></tr> <tr><td>14</td><td>*</td><td>12</td><td>11</td><td>10</td><td>9</td><td>*</td><td>7</td></tr> </table> <p>CR14F001</p>	*	*	4	X	3	*	*	14	*	12	11	10	9	*	7	<p><b>M28</b></p> <table border="1"> <tr><td>2</td><td></td><td></td><td>1</td></tr> <tr><td>6</td><td>5</td><td>4</td><td>3</td></tr> </table> <p>CR06F003</p>	2			1	6	5	4	3	<p><b>M30</b></p> <table border="1"> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>2</td><td>1</td><td></td></tr> </table> <p>CR02F046</p>						2	1	
2			1																																							
*	5	4	3																																							
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6	5	4	3																																							
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<p><b>M36-1</b></p> <table border="1"> <tr><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr> </table> <p>CR10F005</p>	10	9	8	7	6	5	4	3	2	1	<p><b>M36-2(D4AF/D4AL)</b></p> <table border="1"> <tr><td>14</td><td>13</td><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>*</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr> </table> <p>CR14F007</p>		14	13	12	11	10	9	8	7	*	5	4	3	2	1	<p><b>BLANK</b></p>															
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14	13	12	11	10	9	8	7	*	5	4	3	2	1																													
<p><b>M36-2(D4DD)</b></p> <table border="1"> <tr><td>14</td><td>13</td><td>*</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>*</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr> </table> <p>CR14F007</p>		14	13	*	11	10	9	8	7	*	5	4	3	2	1	<p><b>M36-3(D4AF/D4AL)</b></p> <table border="1"> <tr><td>*</td><td>*</td><td>*</td><td>11</td><td>*</td><td>*</td><td>*</td><td>*</td><td>*</td><td>5</td><td>4</td><td>3</td><td>2</td><td>*</td></tr> </table> <p>CR14F007</p>		*	*	*	11	*	*	*	*	*	5	4	3	2	*											
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*	*	*	11	*	*	*	*	*	5	4	3	2	*																													
<p><b>M36-3(D4DD)</b></p> <table border="1"> <tr><td>*</td><td>*</td><td>*</td><td>11</td><td>*</td><td>*</td><td>8</td><td>*</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>*</td></tr> </table> <p>CR14F007</p>		*	*	*	11	*	*	8	*	6	5	4	3	2	*	<p><b>M36-4</b></p> <table border="1"> <tr><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>*</td><td>*</td><td>*</td><td>*</td><td>3</td><td>2</td><td>1</td></tr> </table> <p>CR12F001</p>	12	11	10	9	8	*	*	*	*	3	2	1	<p><b>M37</b></p> <table border="1"> <tr><td>2</td><td></td><td></td><td>1</td></tr> <tr><td>6</td><td>5</td><td>4</td><td>3</td></tr> </table> <p>CR06F003</p>	2			1	6	5	4	3					
*	*	*	11	*	*	8	*	6	5	4	3	2	*																													
12	11	10	9	8	*	*	*	*	3	2	1																															
2			1																																							
6	5	4	3																																							

**ILLUMINATIONS**

**ILLUMINATIONS (4) SD941-4**

<p><b>M39</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p><b>M43-2(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR10F014</p>	<p><b>M43-2(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR10F014</p>	<p><b>M44</b></p>  <p style="text-align: right; font-size: small;">CR05F013</p>
<p><b>M45</b></p>  <p style="text-align: right; font-size: small;">CR20F001</p>	<p><b>M62</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p><b>M63</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p><b>M64</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>
<p><b>M65</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p><b>M67</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p><b>M68(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR03F005</p>	<p><b>M68(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR03F005</p>

**GENERAL TYPE**







# TACHOGRAPH

TACHOGRAPH (3)

SD943-3

M24

2			1
*	5	4	3

CR06F017

M45

*	9	8	7	*	*	*	*	*	*
*	*	*	*	*	*	*	*	12	11

CR20F001

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**TACHOGRAPH**

**TACHOGRAPH (4)**

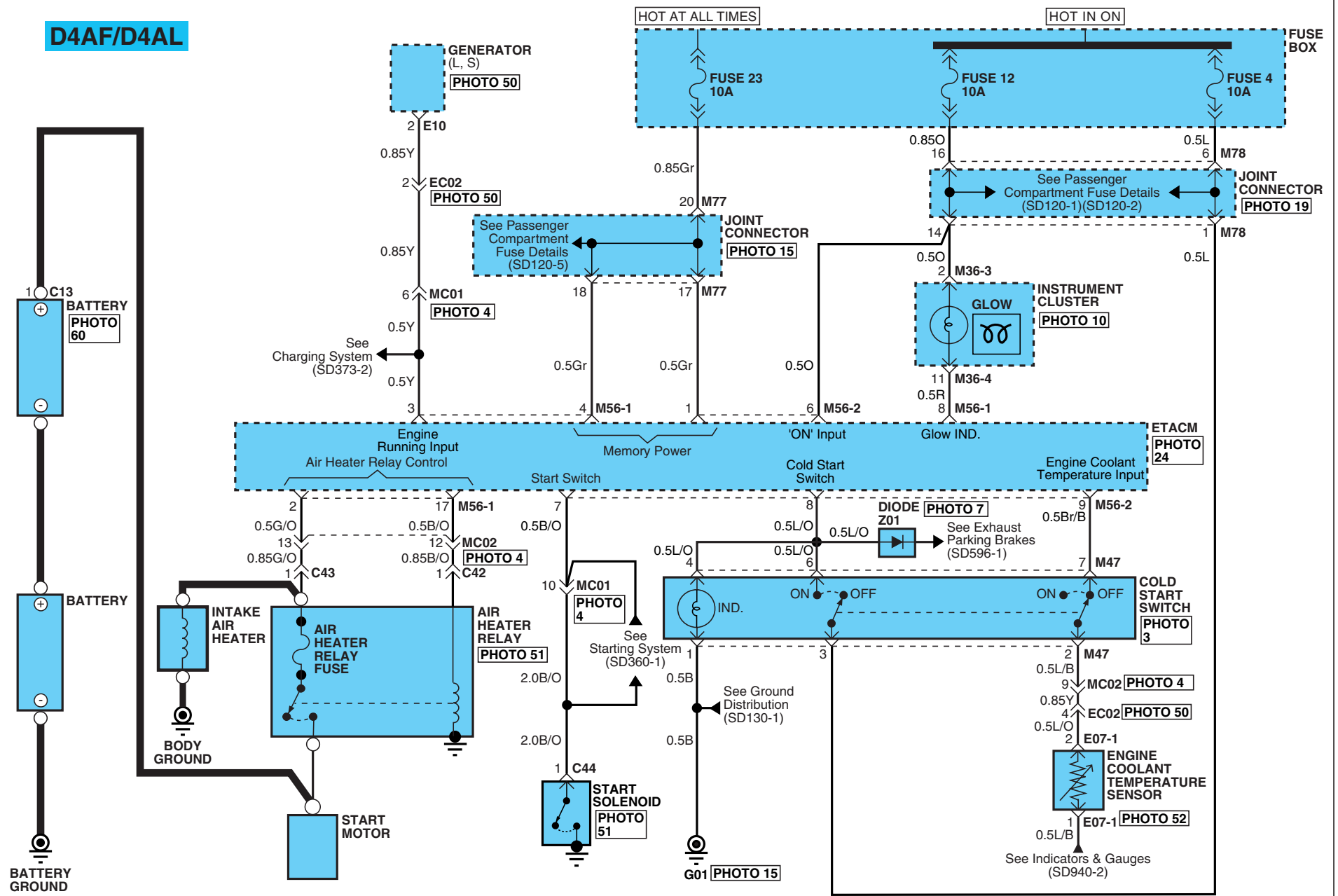
**SD943-4**

**MEMO**

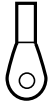




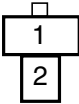
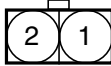
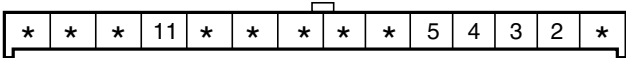
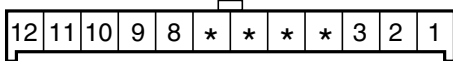
PREHEATING SYSTEM (1)

SD950-1

D4AF/D4AL

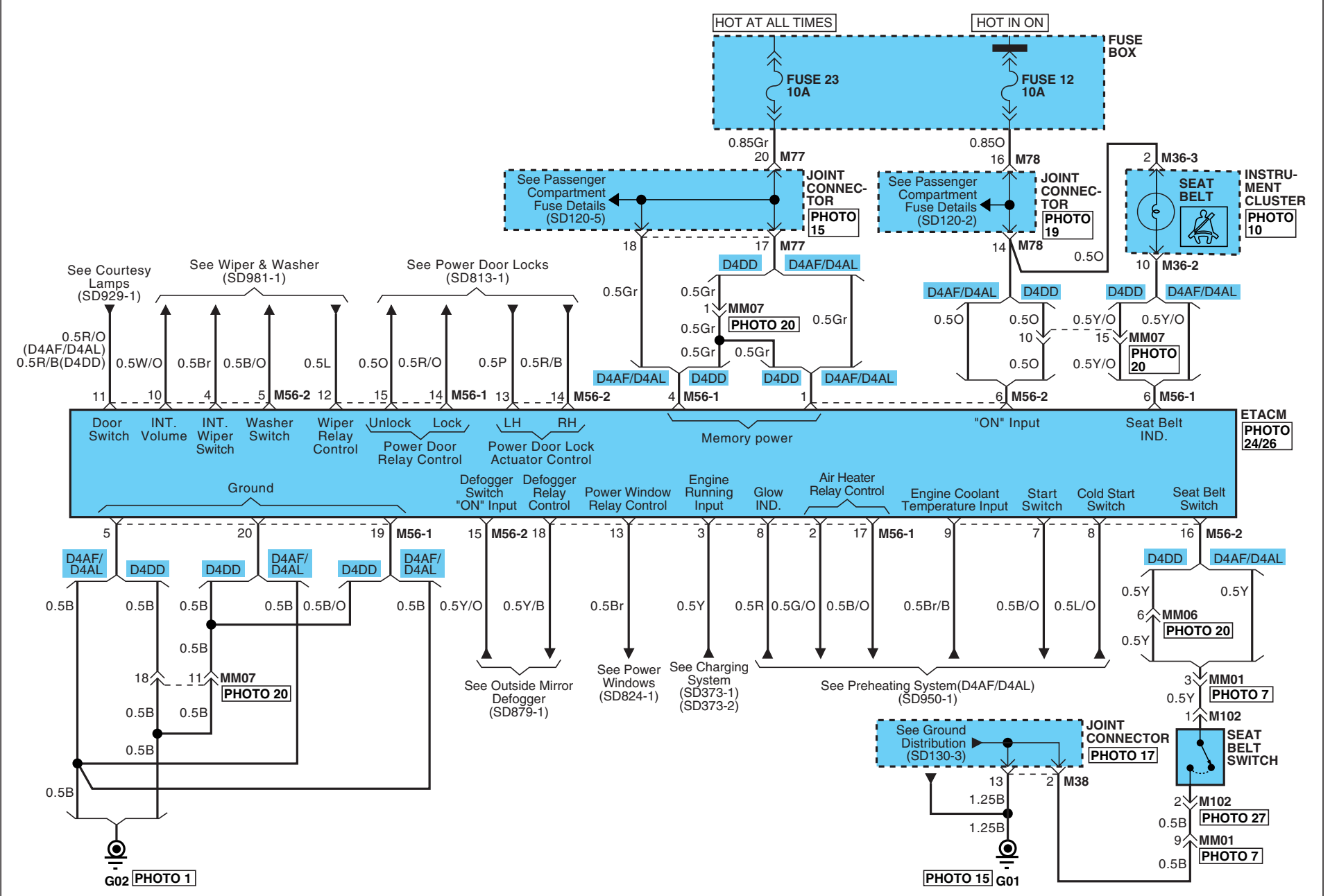


**PREHEATING SYSTEM**

PREHEATING SYSTEM (2)		SD950-2																																					
<p><b>C13</b></p>  <p>CR01F002</p>	<p><b>C42</b></p>  <p>CR01F020</p>	<p><b>C43</b></p>  <p>CR01F038</p>	<p><b>C44</b></p>  <p>CR01F035</p>																																				
<p><b>E07-1</b></p>  <p>CR02F064</p>	<p><b>E10(D4AF)</b></p>  <p>CR02F012</p>	<p><b>E10(D4AL)</b></p>  <p>CR02F002</p>	<p><b>BLANK</b></p>																																				
<p><b>M36-3</b></p>  <p>CR14F007</p>		<p><b>M36-4</b></p>  <p>CR12F001</p>	<p><b>M47</b></p> <table border="1" data-bbox="1738 831 1917 924"> <tr> <td>3</td> <td>2</td> <td>X</td> <td>1</td> </tr> <tr> <td>7</td> <td>6</td> <td>*</td> <td>4</td> </tr> </table> <p>CR07F002</p>	3	2	X	1	7	6	*	4																												
3	2	X	1																																				
7	6	*	4																																				
<p><b>M56-1</b></p> <table border="1" data-bbox="210 1070 598 1182"> <tr> <td>*</td> <td>*</td> <td>8</td> <td>*</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>*</td> </tr> <tr> <td>20</td> <td>19</td> <td>18</td> <td>17</td> <td>*</td> <td>15</td> <td>14</td> <td>13</td> <td>12</td> <td>*</td> </tr> </table> <p>CR20F001</p>	*	*	8	*	6	5	4	3	2	*	20	19	18	17	*	15	14	13	12	*	<p><b>M56-2</b></p> <table border="1" data-bbox="734 1078 1025 1169"> <tr> <td>8</td> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>*</td> <td>*</td> <td>1</td> </tr> <tr> <td>16</td> <td>15</td> <td>14</td> <td>13</td> <td>*</td> <td>11</td> <td>10</td> <td>9</td> </tr> </table> <p>CR16F002</p>	8	7	6	5	4	*	*	1	16	15	14	13	*	11	10	9	<p><b>BLANK</b></p>	<p><b>BLANK</b></p>
*	*	8	*	6	5	4	3	2	*																														
20	19	18	17	*	15	14	13	12	*																														
8	7	6	5	4	*	*	1																																
16	15	14	13	*	11	10	9																																

ETACS (1)

SD952-1

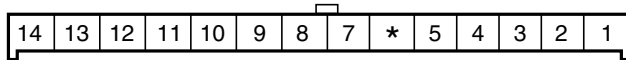


**ETACS**

**ETACS (2)**

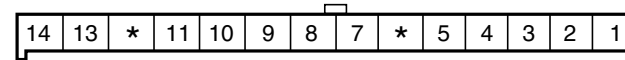
**SD952-2**

**M36-2(D4AF/D4AL)**



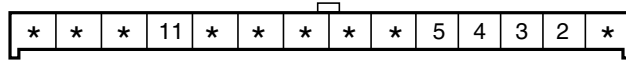
CR14F007

**M36-2(D4DD)**



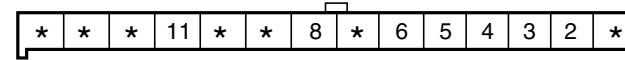
CR14F007

**M36-3(D4AF/D4AL)**



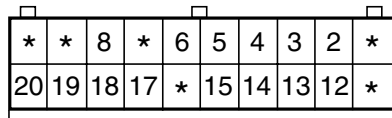
CR14F007

**M36-3(D4DD)**



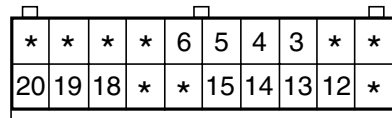
CR14F007

**M56-1(D4AF/D4AL)**



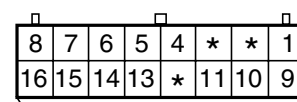
CR20F001

**M56-1(D4DD)**



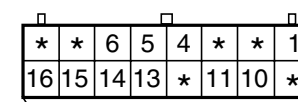
CR20F001

**M56-2(D4AF/D4AL)**



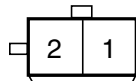
CR16F002

**M56-2(D4DD)**



CR16F002

**M102**

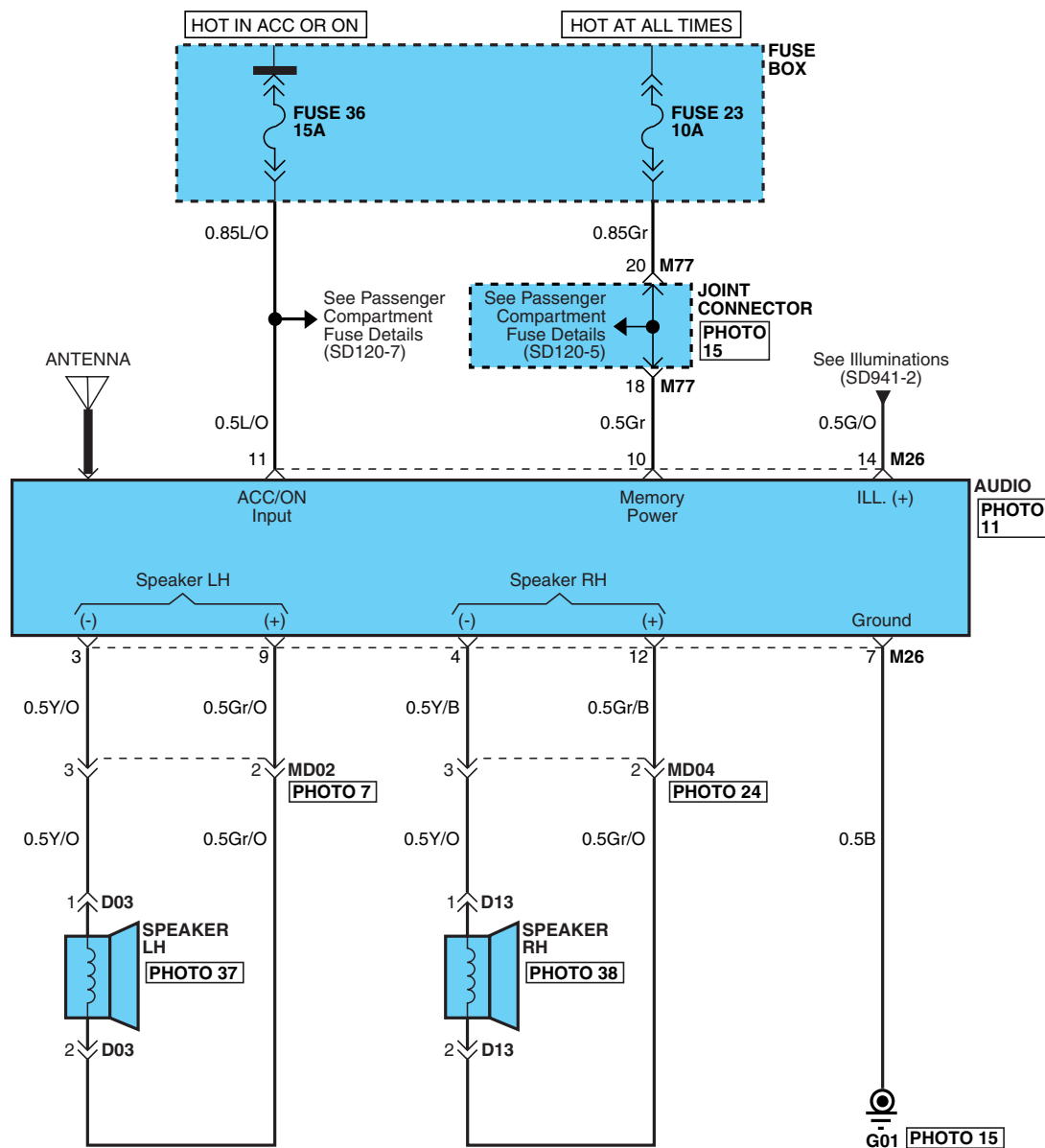


CR02F046

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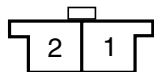


# AUDIO SYSTEM

## AUDIO SYSTEM (2)

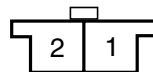
SD961-2

D03



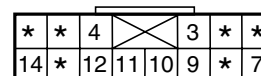
CR02F010

D13



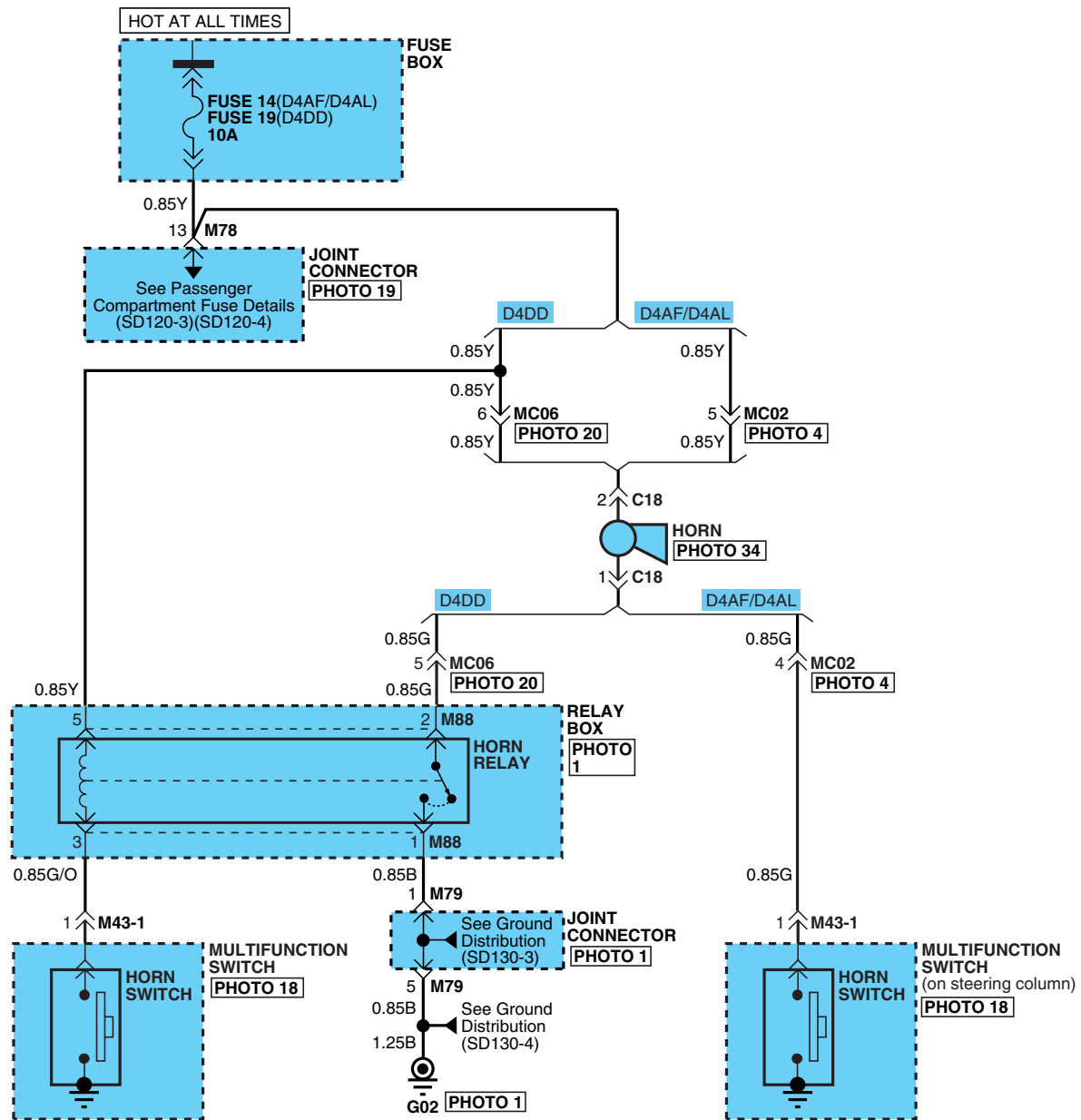
CR02F010

M26



CR14F001

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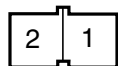


# HORN

HORN (2)

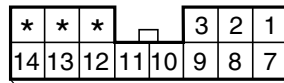
SD968-2

C18



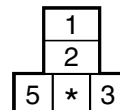
CR02F003

M43-1



CR14F019

M88

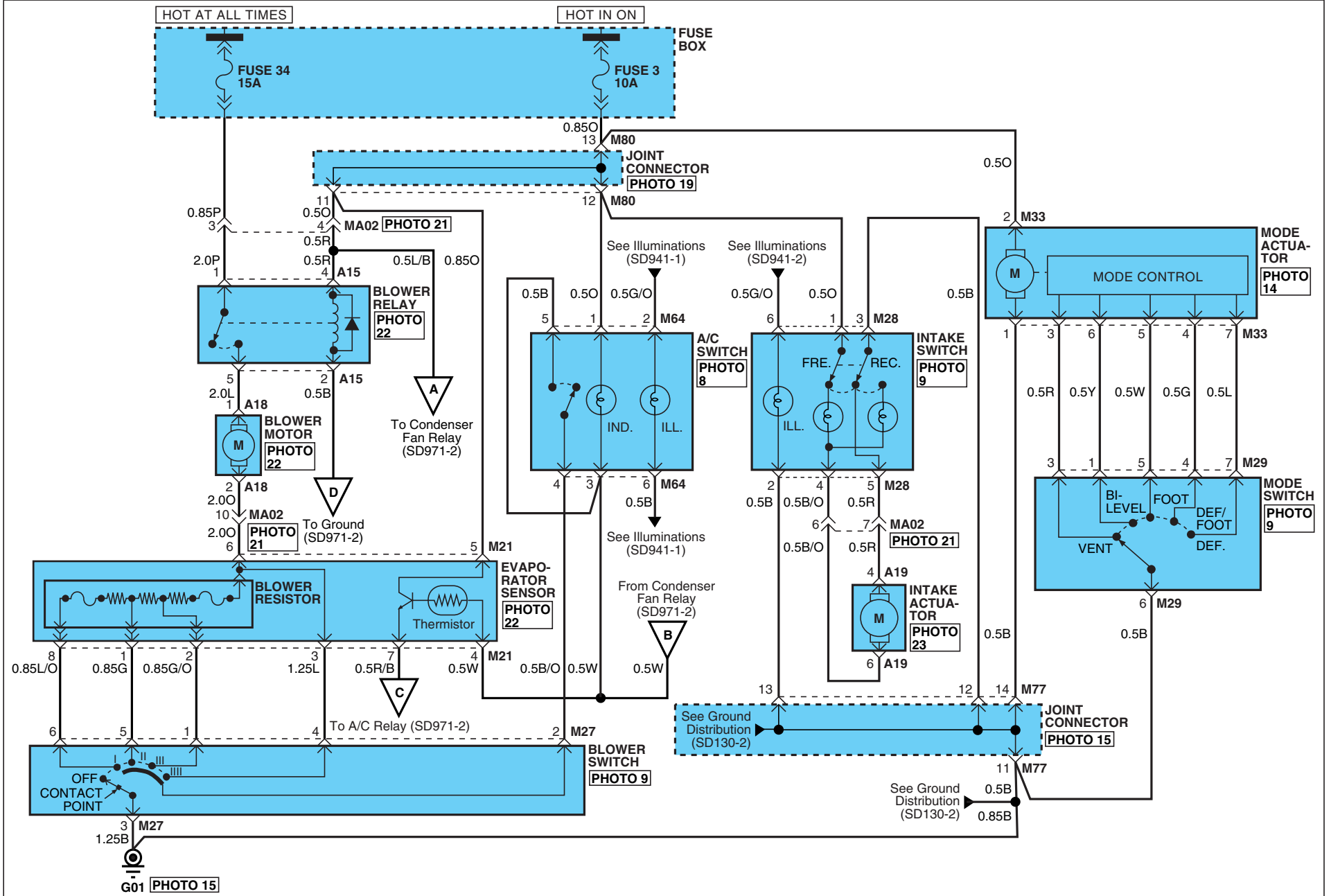


CR05F011

BLANK

BLOWER & A/C CONTROLS (1)

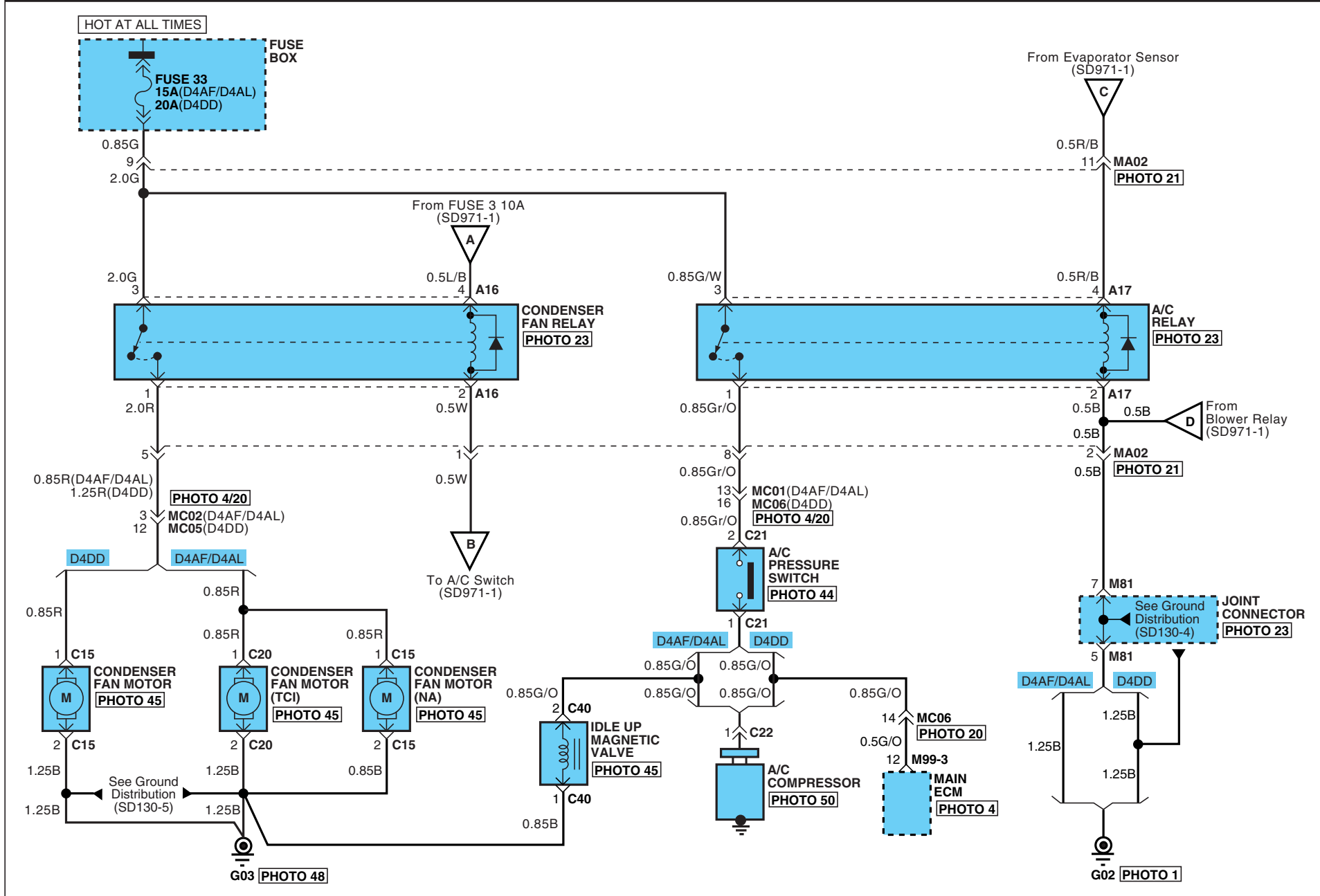
SD971-1



# BLOWER & A/C CONTROLS

## BLOWER & A/C CONTROLS (2)

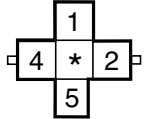
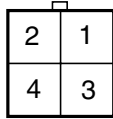
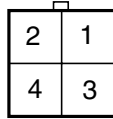
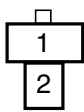
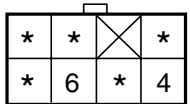
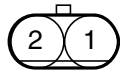
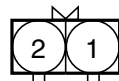
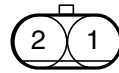
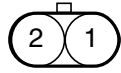


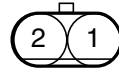
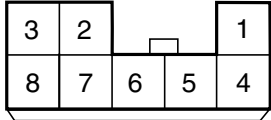
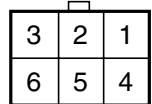
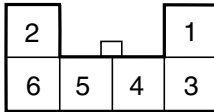
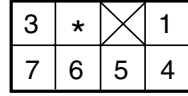
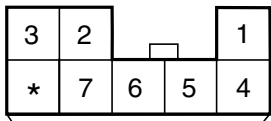
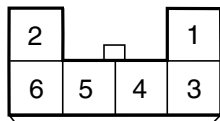
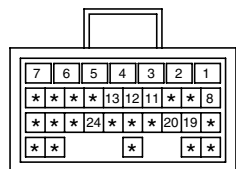
SD971-2



**BLOWER & A/C CONTROLS**

**BLOWER & A/C CONTROLS (3)**

**SD971-3**

<p><b>A15</b></p>  <p>CR05F001</p>	<p><b>A16</b></p>  <p>CR04F001</p>	<p><b>A17</b></p>  <p>CR04F001</p>	<p><b>A18</b></p>  <p>CR02F012</p>
<p><b>A19</b></p>  <p>CR07F009</p>	<p><b>C15(D4AF/D4AL)</b></p>  <p>CR02F075</p>	<p><b>C15(D4DD)</b></p>  <p>CR02F040</p>	<p><b>C20</b></p>  <p>CR02F075</p>
<p><b>C21</b></p>  <p>CR02F025</p>	<p><b>C22(D4AF/D4AL)</b></p>  <p>CR01F001</p>	<p><b>C22(D4DD)</b></p>  <p>CR01F020</p>	<p><b>C40</b></p>  <p>CR02F075</p>
<p><b>M21</b></p>  <p>CR08F010</p>	<p><b>M27</b></p>  <p>CR06F002</p>	<p><b>M28</b></p>  <p>CR06F003</p>	<p><b>M29</b></p>  <p>CR07F002</p>
<p><b>M33</b></p>  <p>CR08F010</p>	<p><b>M64</b></p>  <p>CR06F017</p>	<p><b>M99-3</b></p>  <p>CR32F004</p>	<p><b>BLANK</b></p>

**BLOWER & A/C CONTROLS**

**BLOWER & A/C CONTROLS (4)**

**SD971-4**

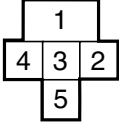
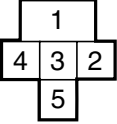
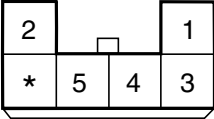
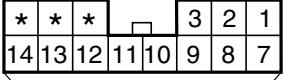
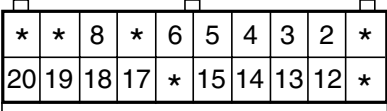
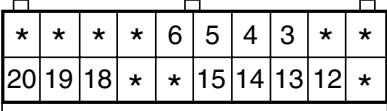
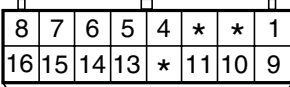
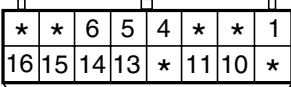
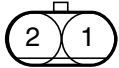
**MEMO**





**WIPER & WASHER**

**WIPER & WASHER (2) SD981-2**

<p><b>M11</b></p>  <p style="text-align: right; font-size: small;">CR05F019</p>	<p><b>M12</b></p>  <p style="text-align: right; font-size: small;">CR05F019</p>	<p><b>M31</b></p>  <p style="text-align: right; font-size: small;">CR06F017</p>	<p><b>M43-1</b></p>  <p style="text-align: right; font-size: small;">CR14F019</p>
<p><b>M56-1(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR20F001</p>	<p><b>M56-1(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR20F001</p>	<p><b>M56-2(D4AF/D4AL)</b></p>  <p style="text-align: right; font-size: small;">CR16F002</p>	<p><b>M56-2(D4DD)</b></p>  <p style="text-align: right; font-size: small;">CR16F002</p>
<p><b>M107</b></p>  <p style="text-align: right; font-size: small;">CR02F075</p>	<p><b>BLANK</b></p>	<p><b>BLANK</b></p>	<p><b>BLANK</b></p>

COMPONENT LOCATIONS (1)

CL-1

PHOTO.1



PHOTO.2

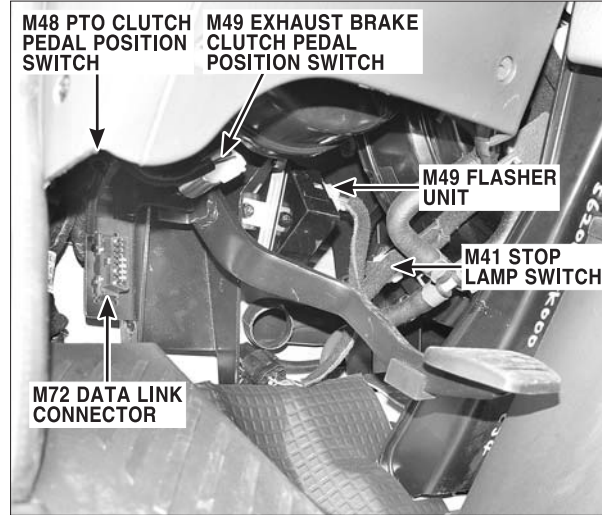


PHOTO.3

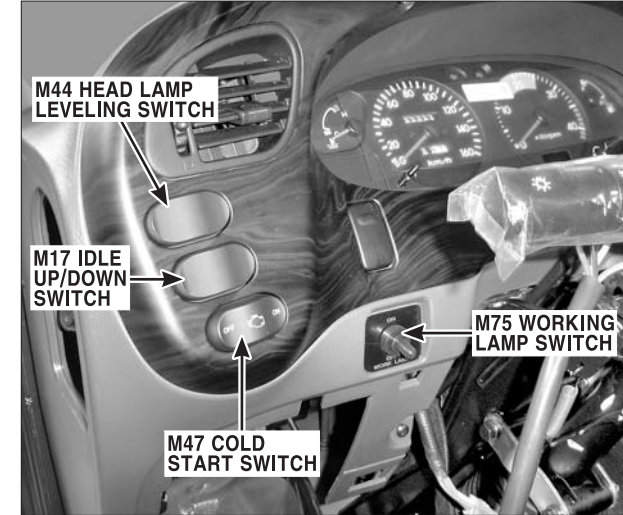


PHOTO.4

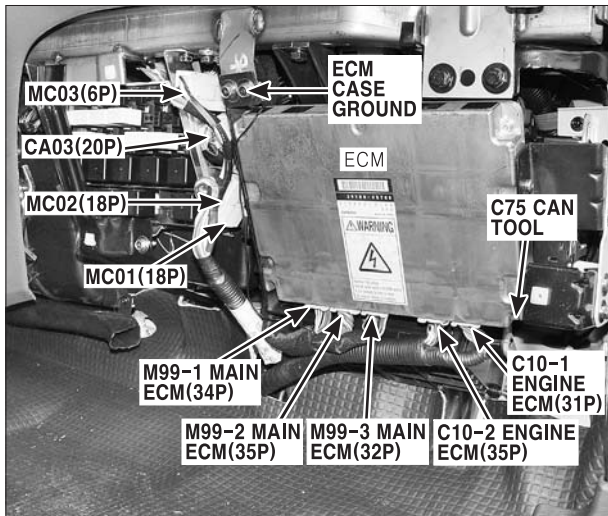
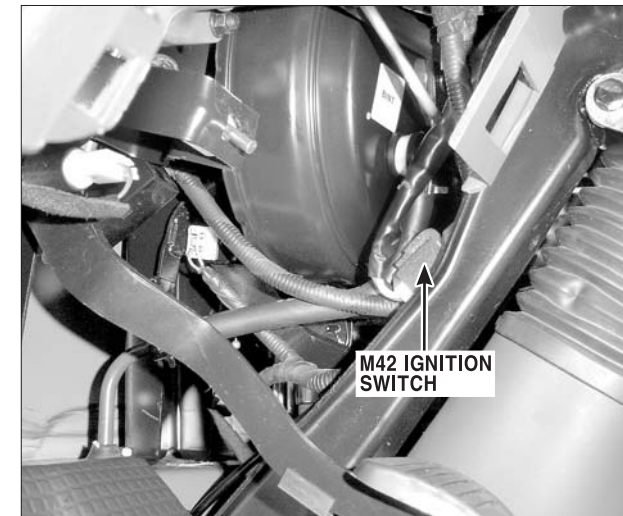


PHOTO.5



PHOTO.6



# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (2)

CL-2

PHOTO.7

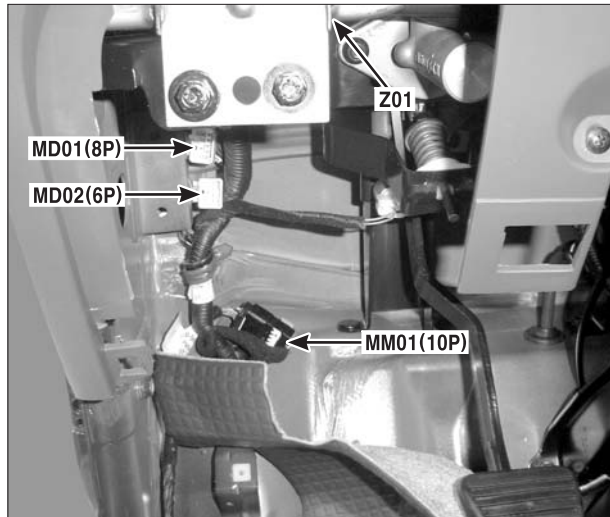


PHOTO.8

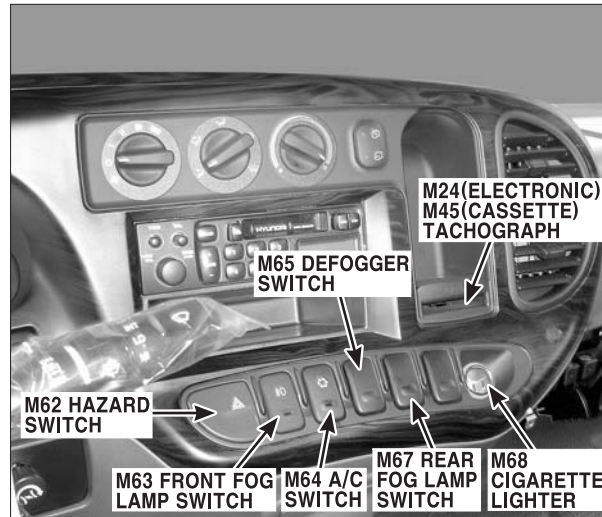


PHOTO.9

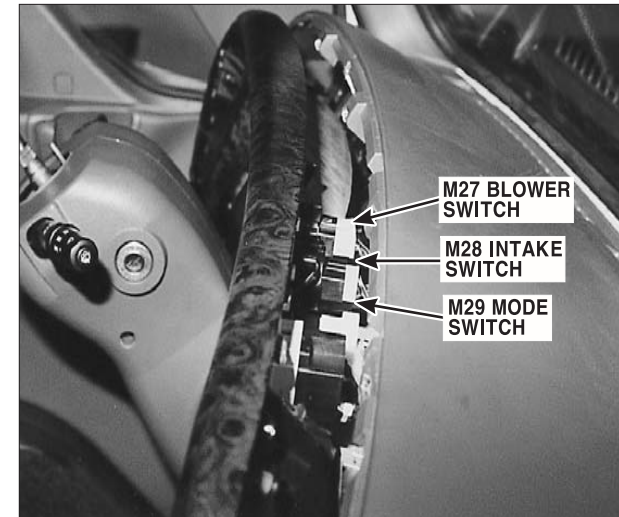


PHOTO.10

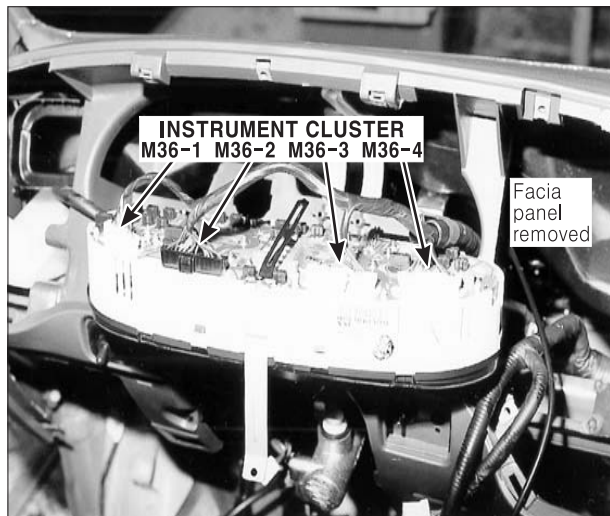


PHOTO.11

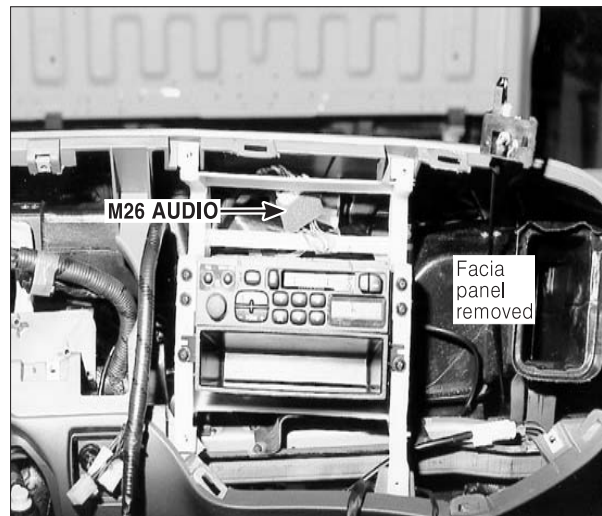
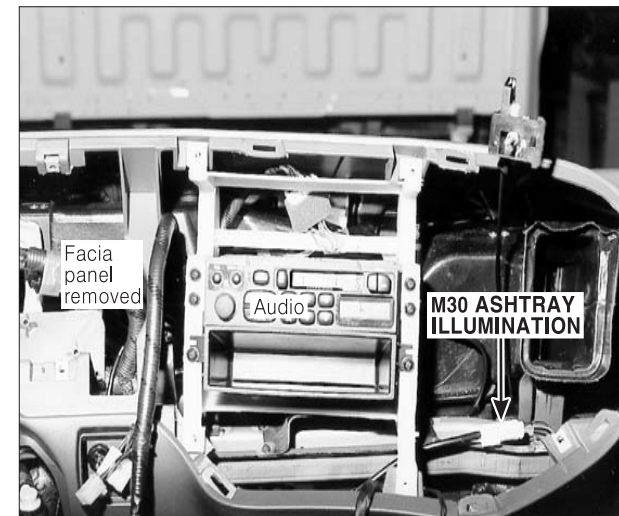


PHOTO.12





# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (3)

CL-3

PHOTO.13

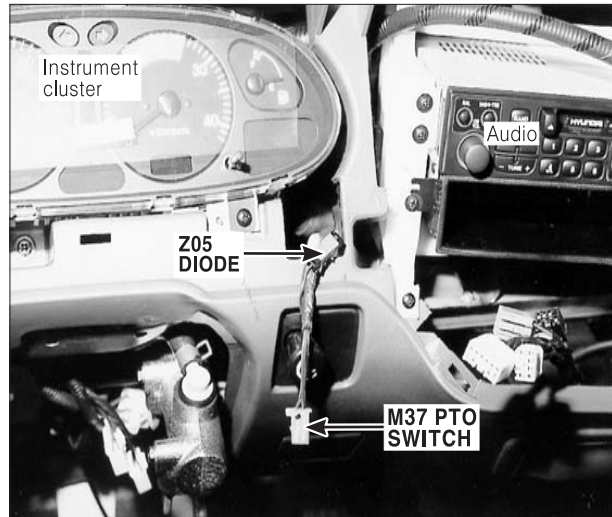


PHOTO.14

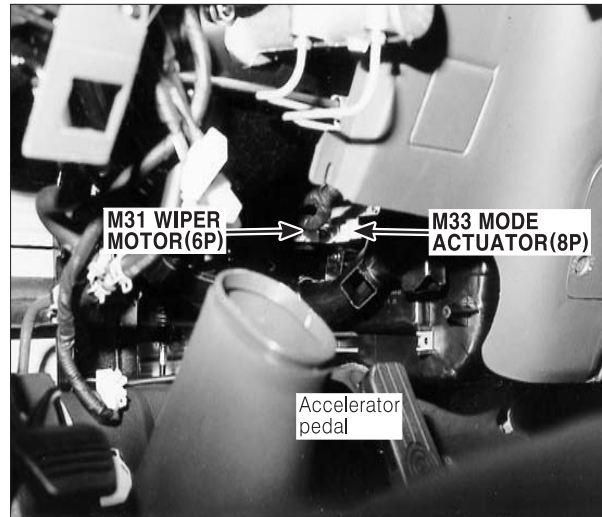


PHOTO.15

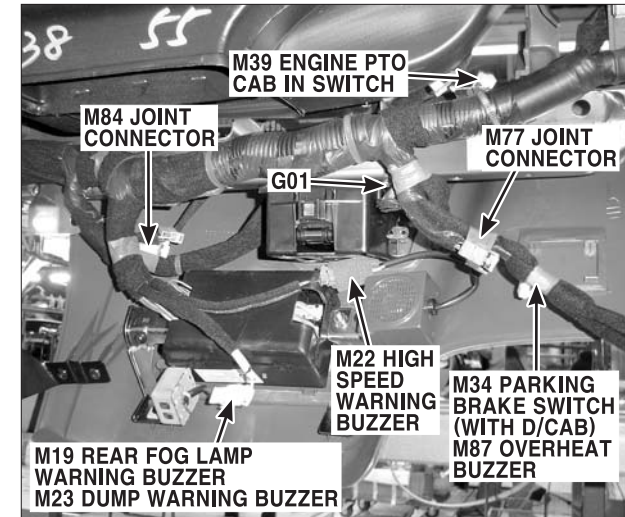


PHOTO.16

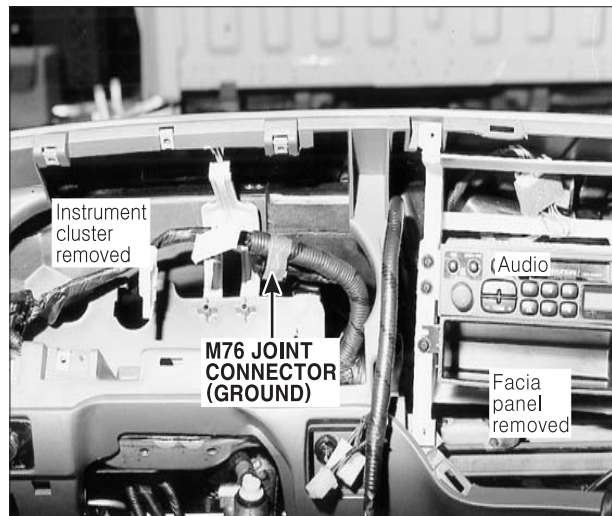


PHOTO.17

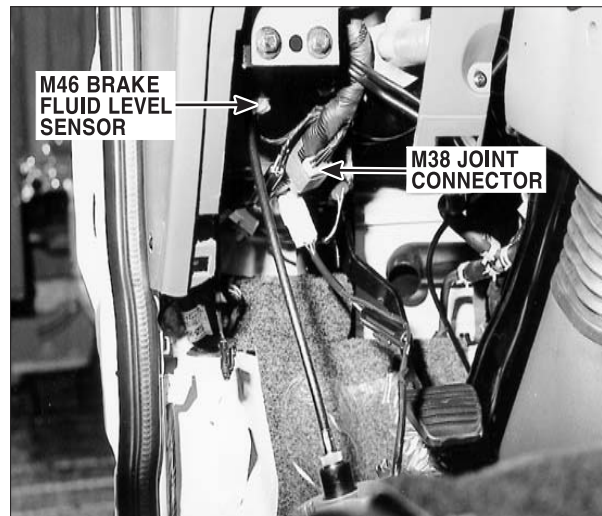
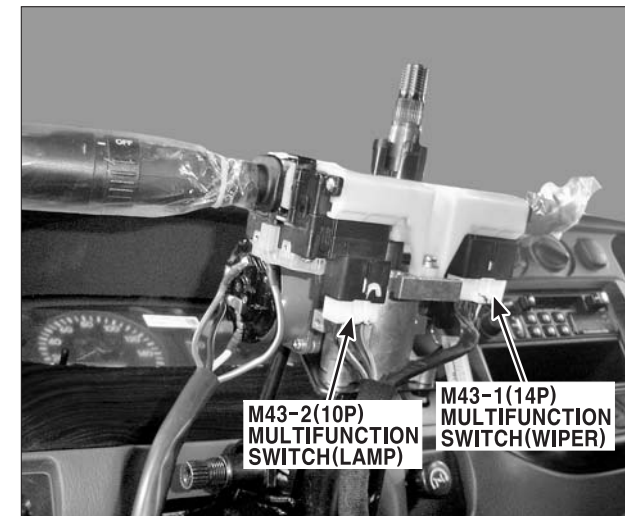


PHOTO.18



# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (4)

CL-4

PHOTO.19

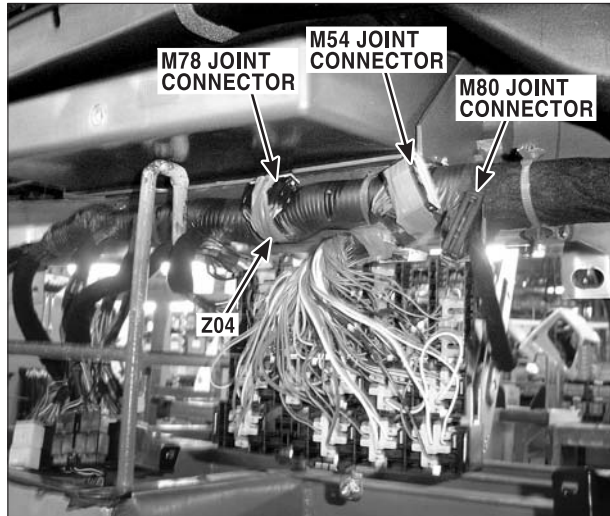


PHOTO.20

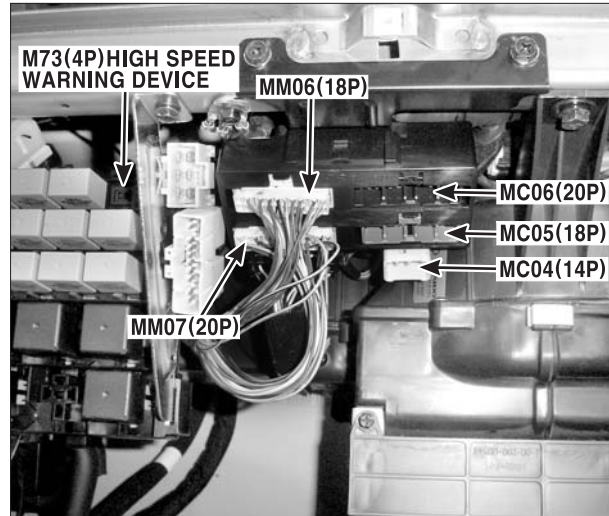


PHOTO.21

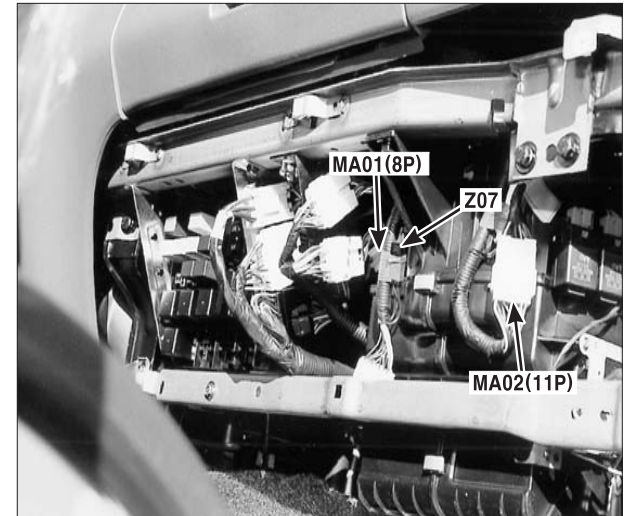


PHOTO.22

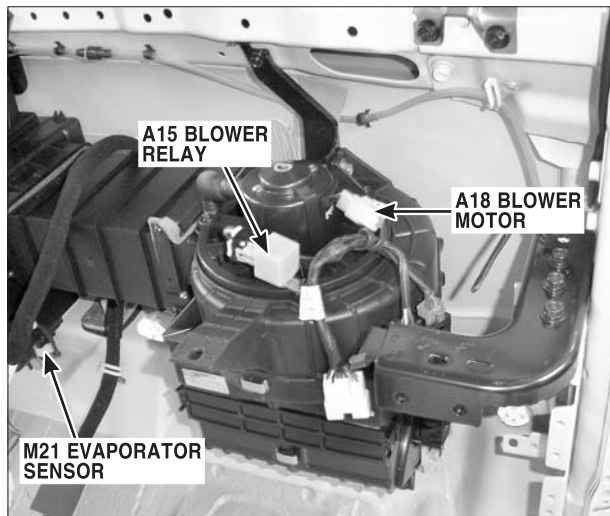


PHOTO.23

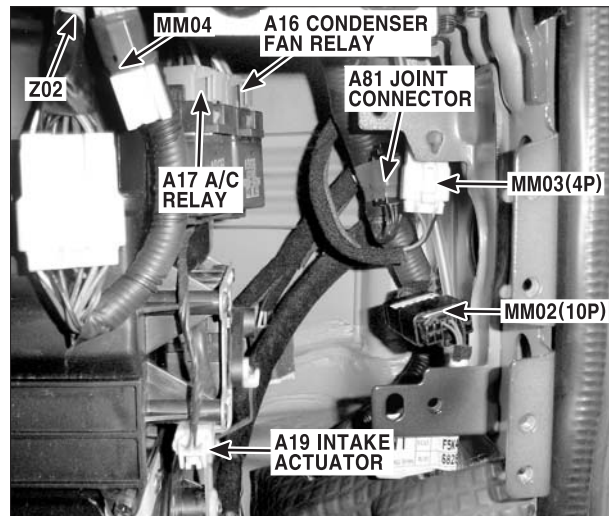
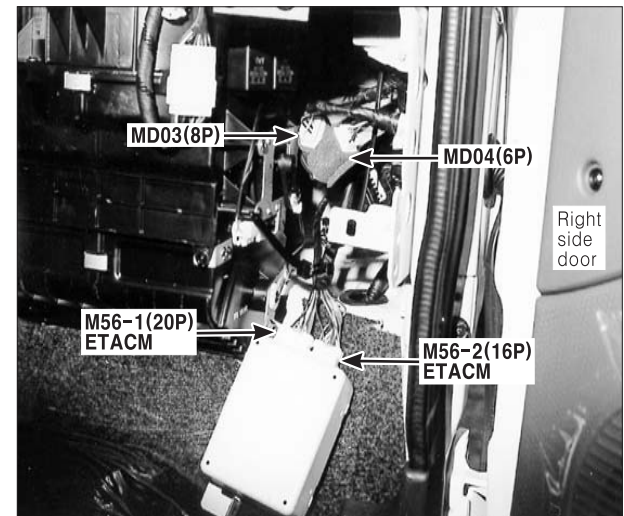


PHOTO.24





# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (5)

CL-5

PHOTO.25

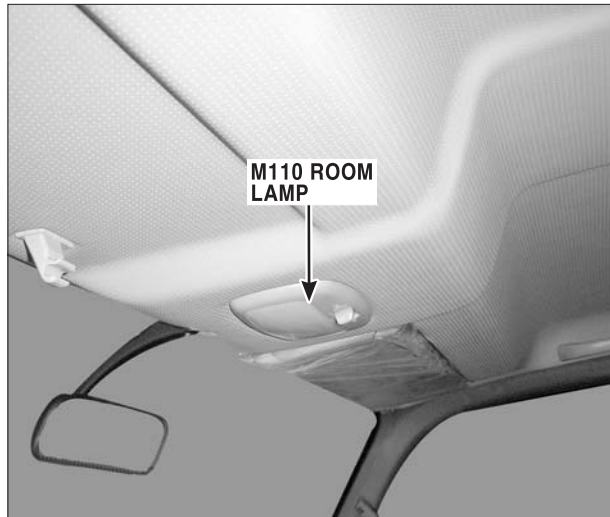


PHOTO.26

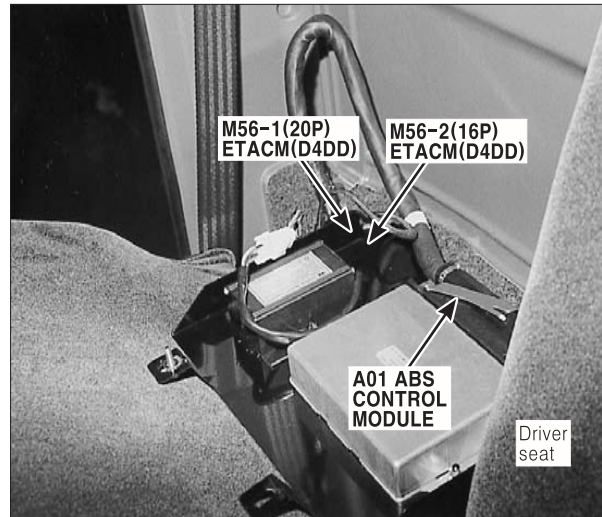


PHOTO.27

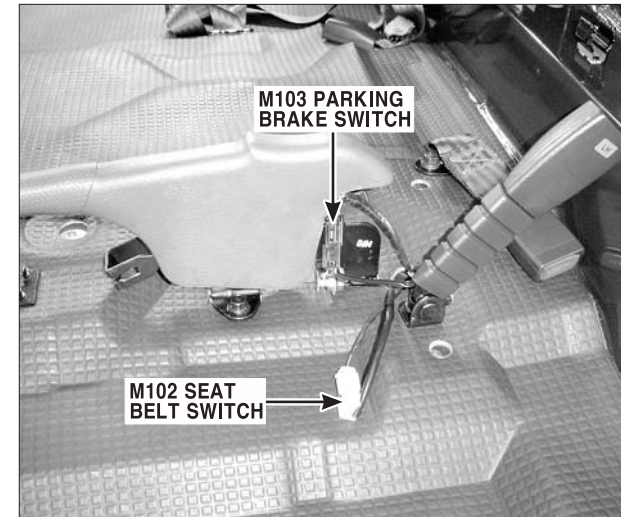


PHOTO.28



PHOTO.29

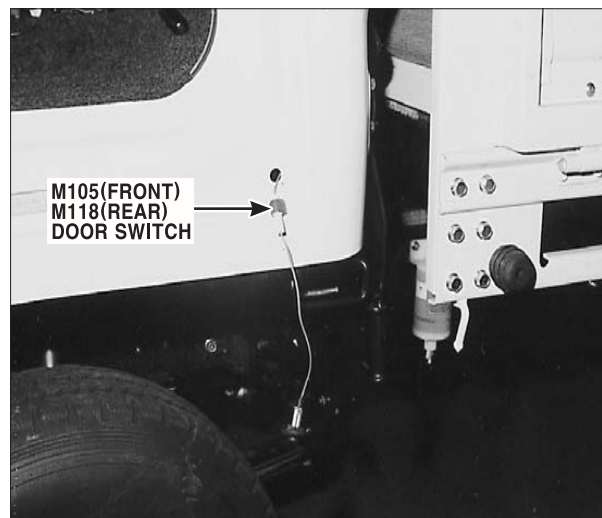
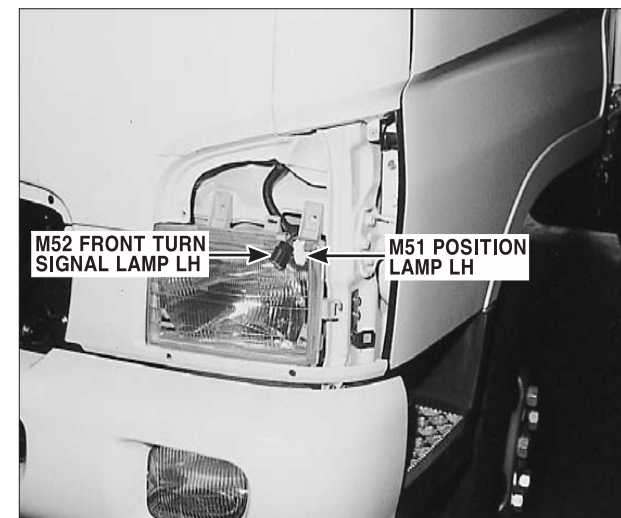


PHOTO.30



# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (6)

CL-6

PHOTO.31



PHOTO.32

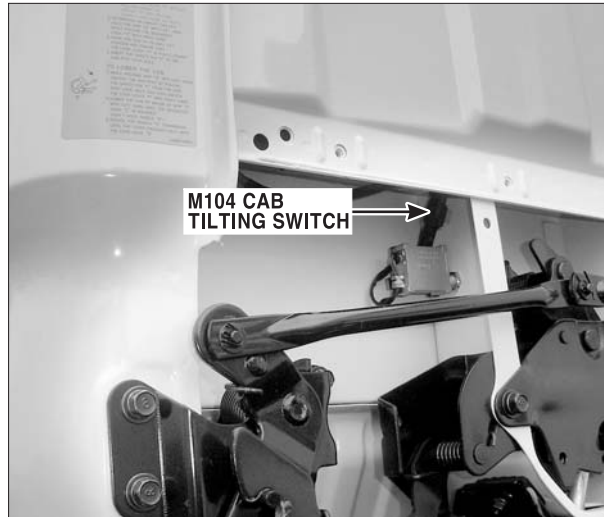


PHOTO.33



PHOTO.34

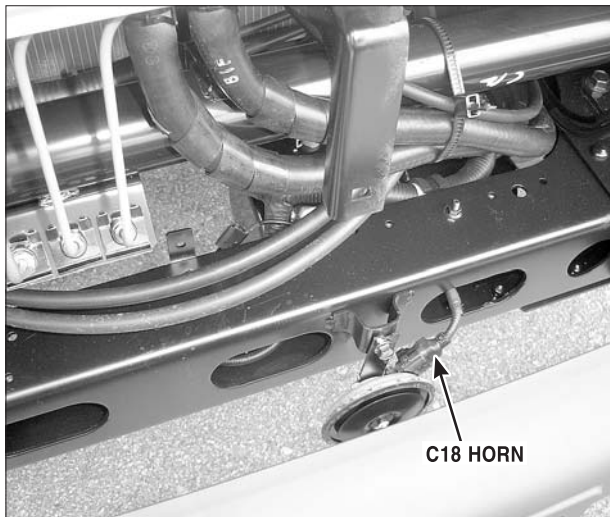


PHOTO.35

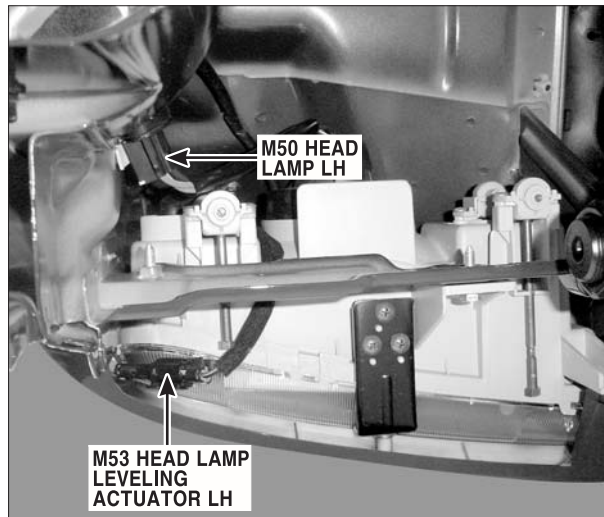
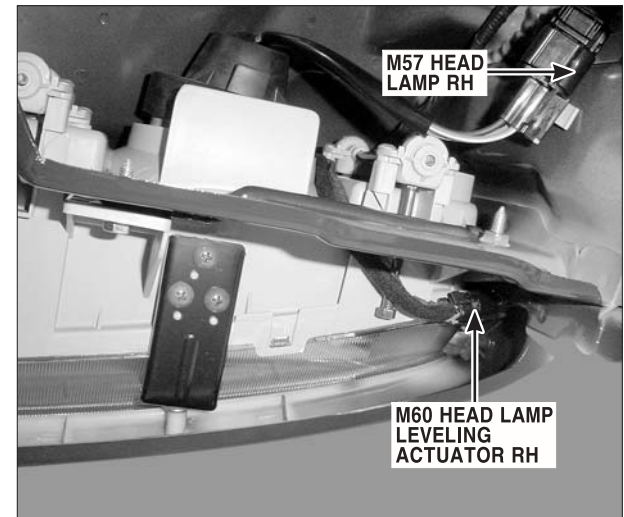


PHOTO.36



# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (7)

CL-7

PHOTO.37

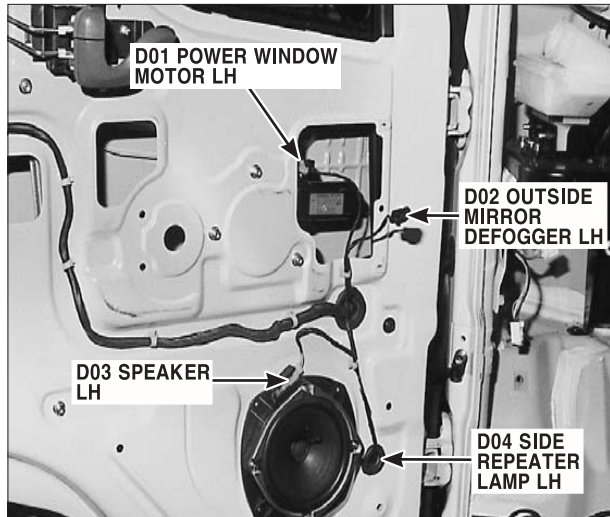


PHOTO.38

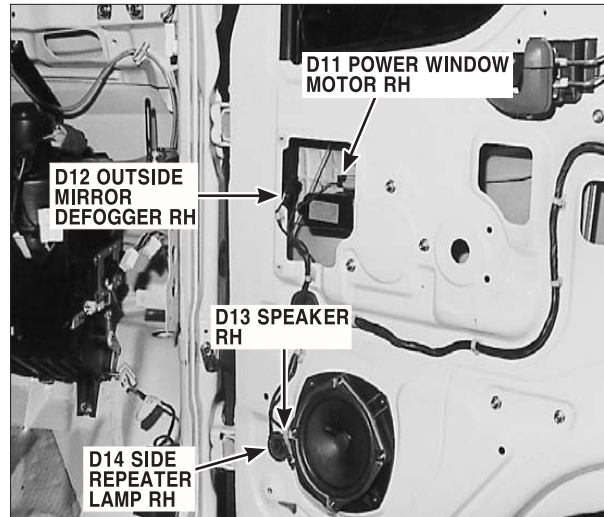


PHOTO.39



PHOTO.40

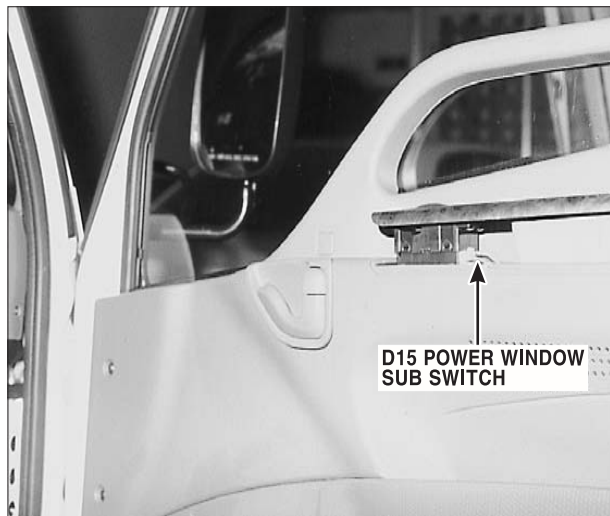


PHOTO.41

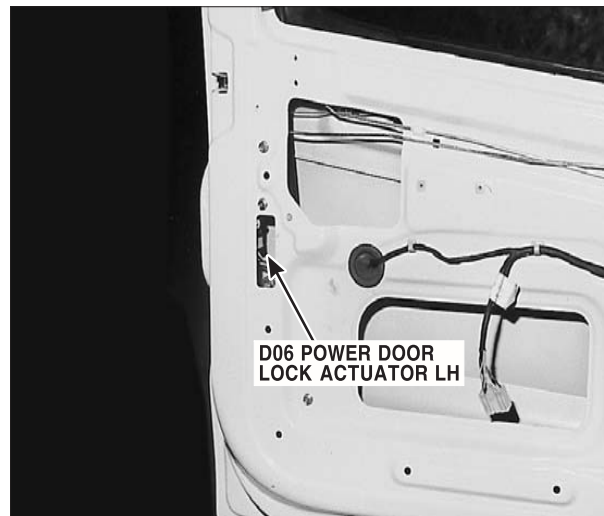


PHOTO.42





# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (8)

CL-8

PHOTO.43



PHOTO.44

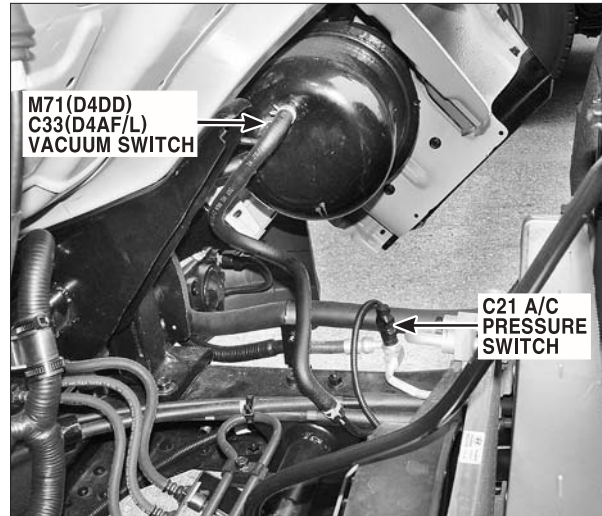


PHOTO.45

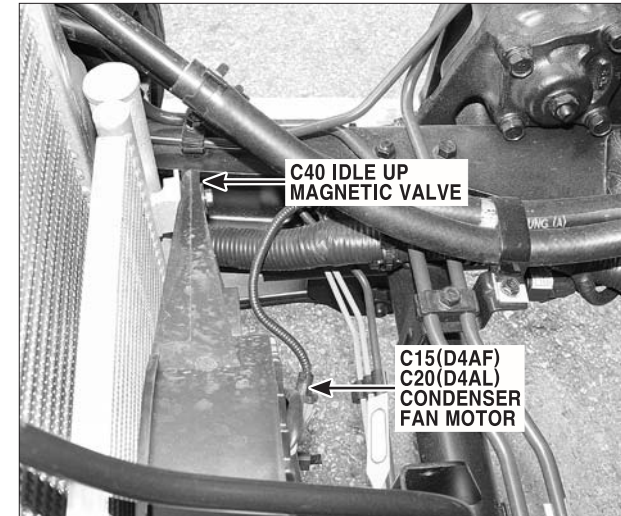


PHOTO.46

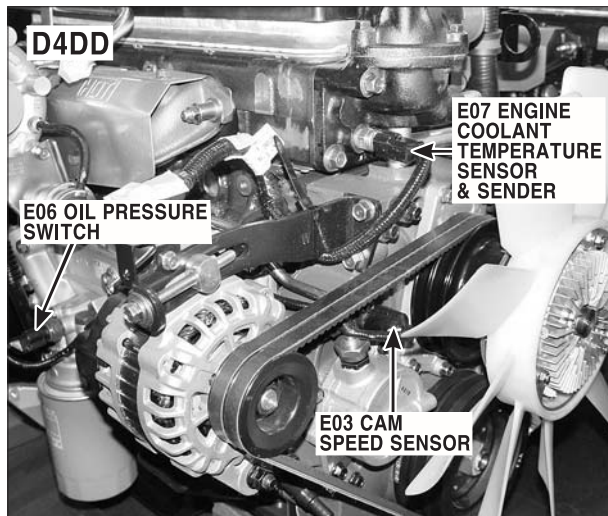


PHOTO.47

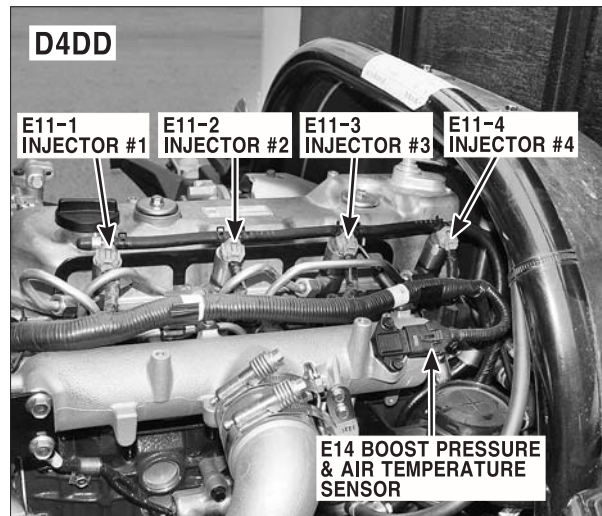
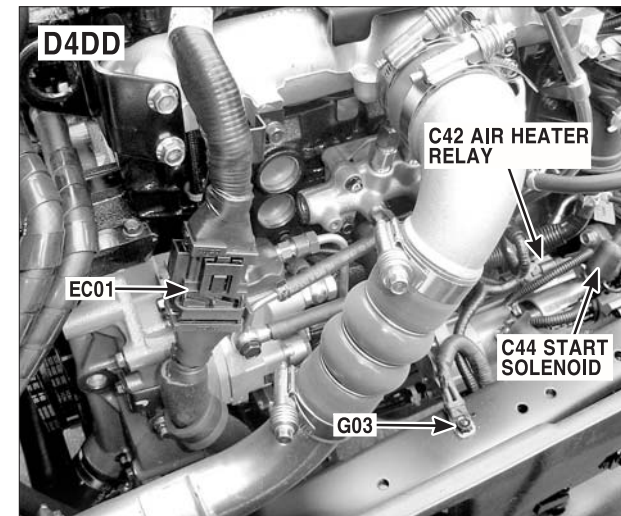


PHOTO.48





# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (9)

CL-9

PHOTO.49

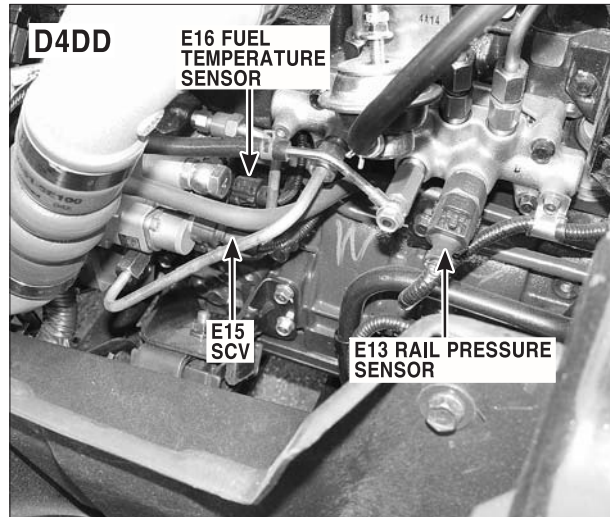


PHOTO.50

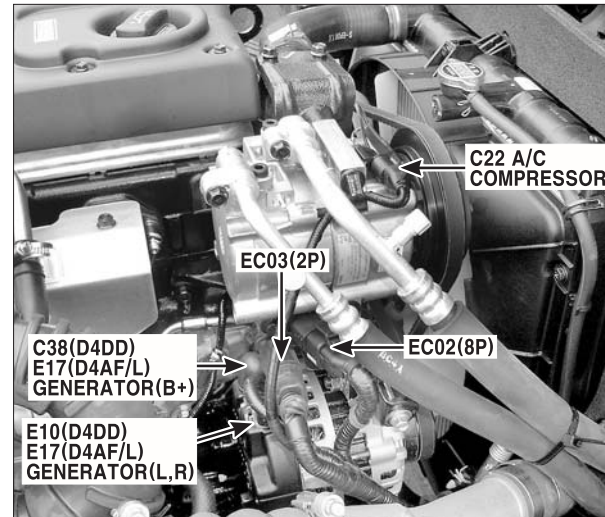


PHOTO.51

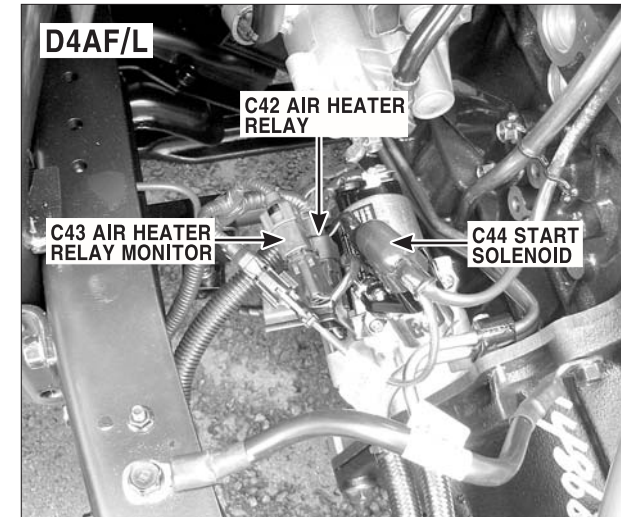


PHOTO.52

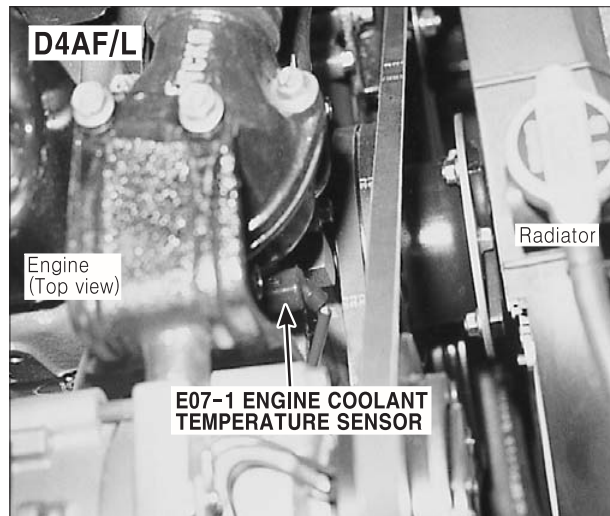


PHOTO.53

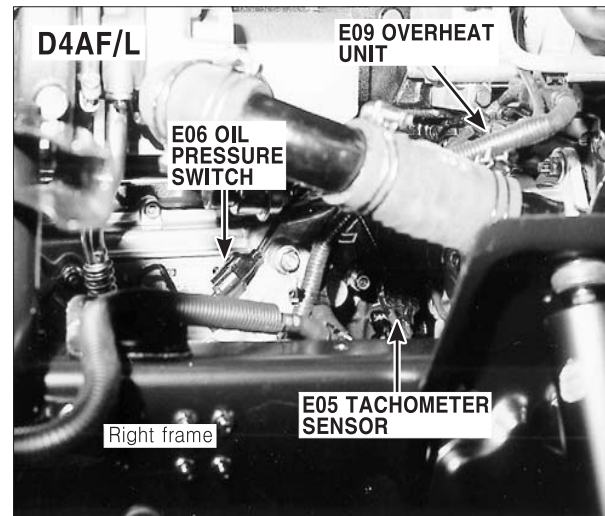
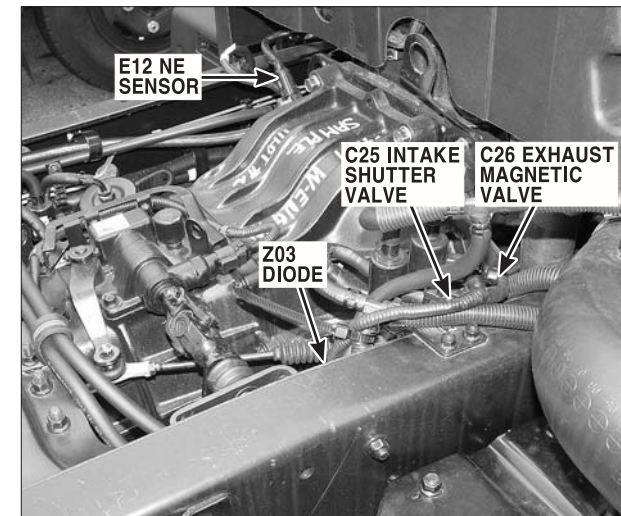


PHOTO.54



# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (10)

CL-10

PHOTO.55

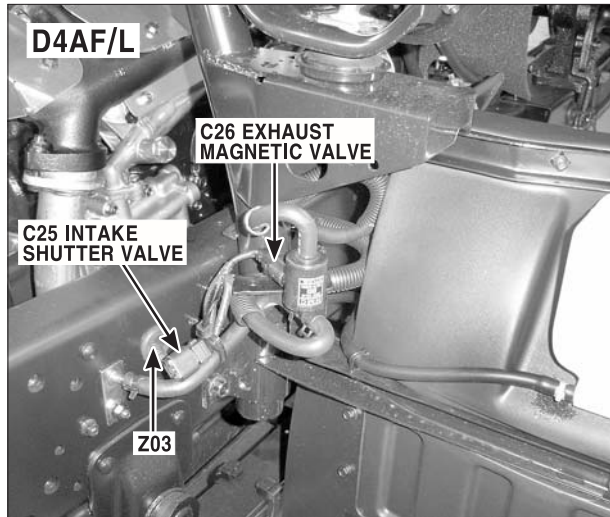


PHOTO.56

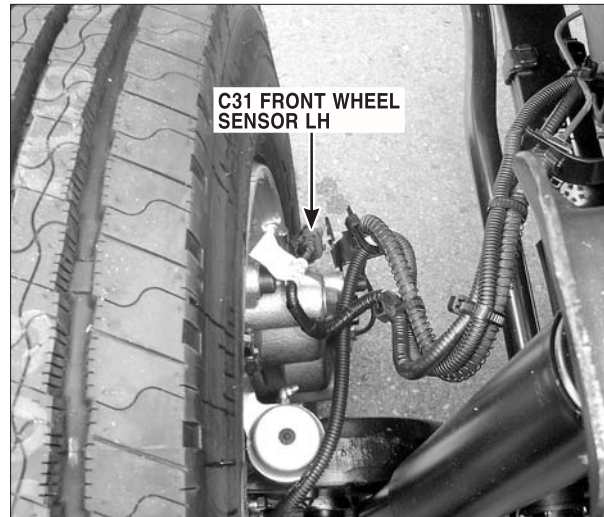


PHOTO.57



PHOTO.58

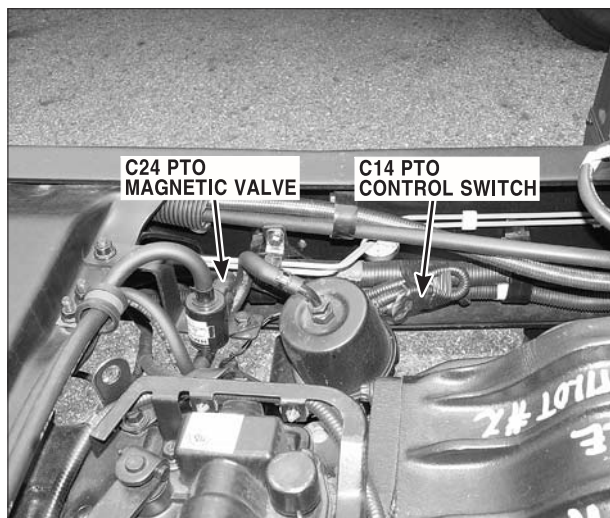


PHOTO.59

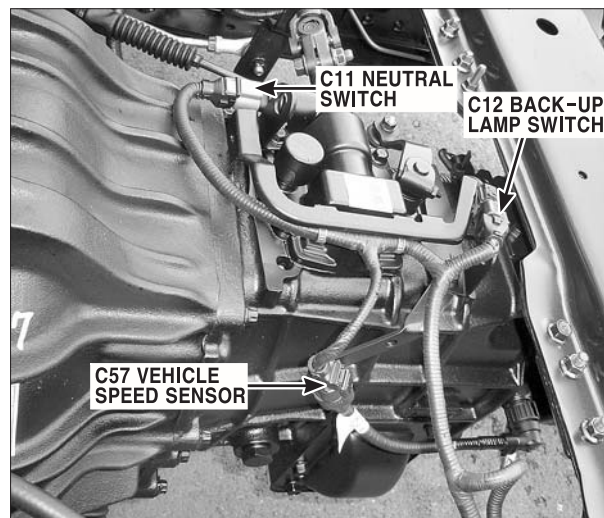
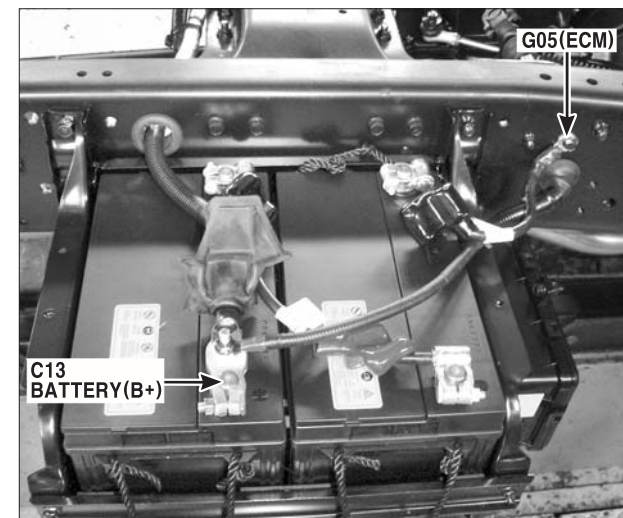


PHOTO.60





# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (11)

CL-11

PHOTO.61

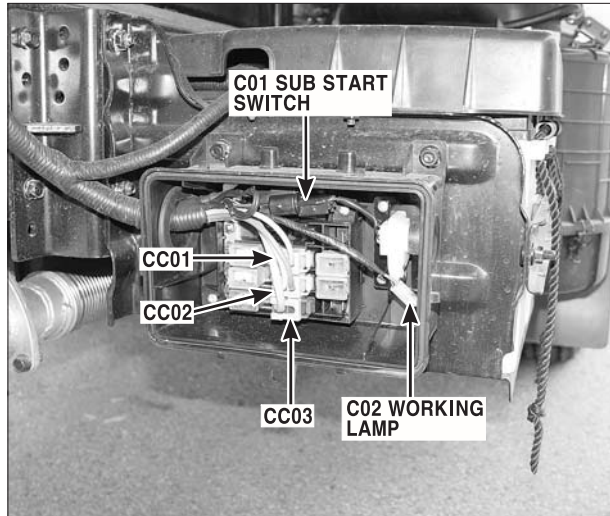


PHOTO.62

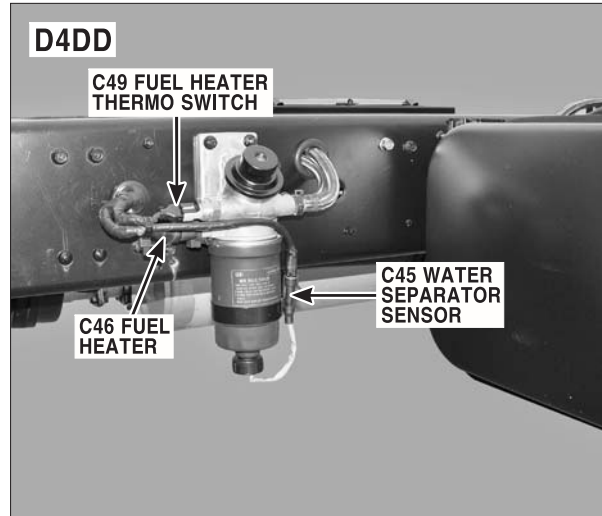


PHOTO.63

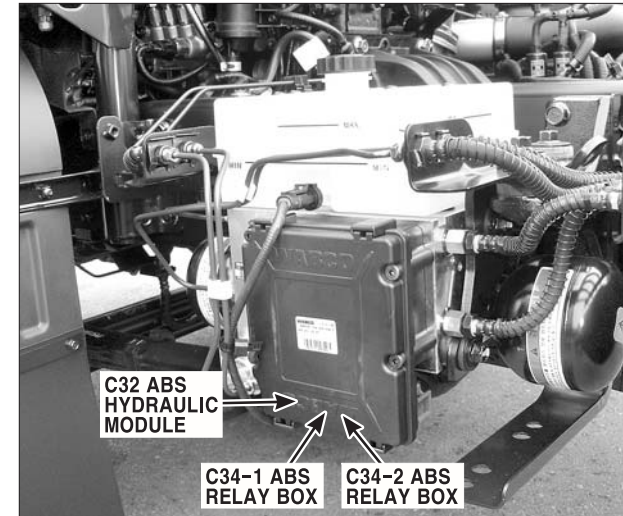


PHOTO.64

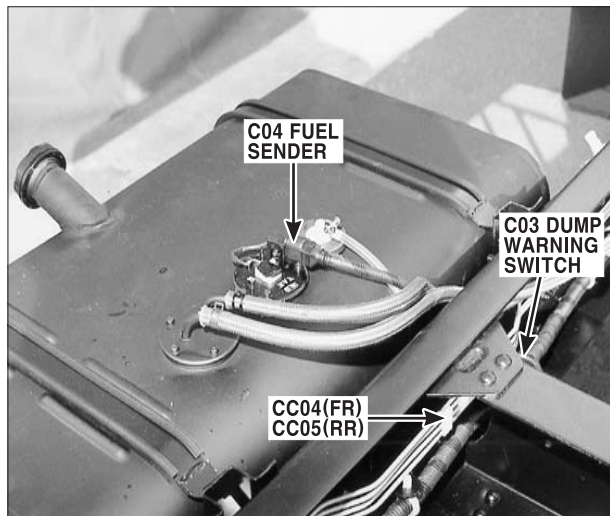


PHOTO.65

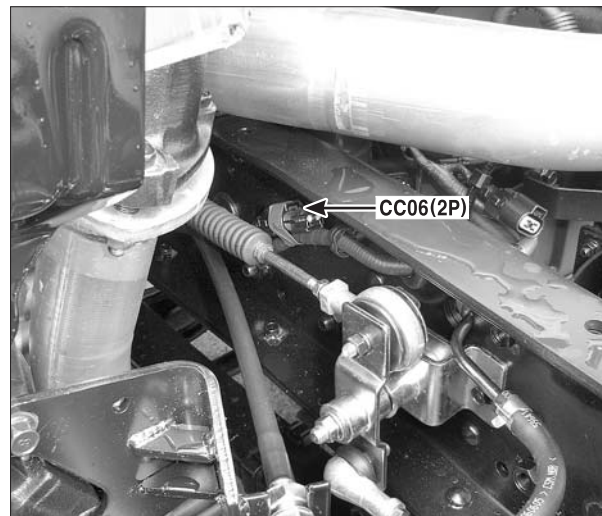
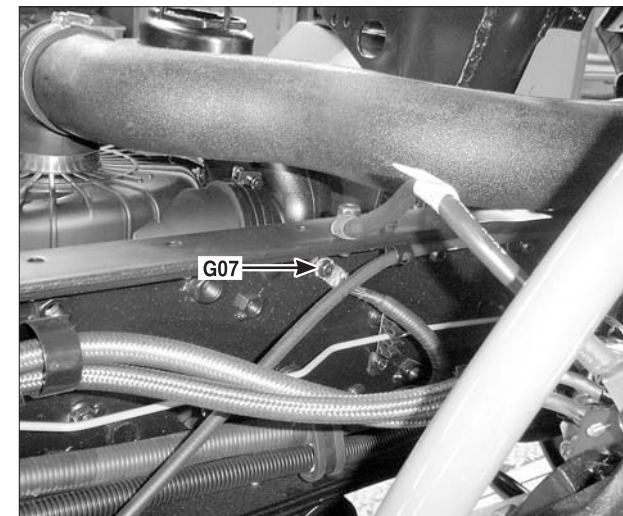


PHOTO.66



# COMPONENT LOCATIONS

## COMPONENT LOCATIONS (12)

CL-12

PHOTO.67

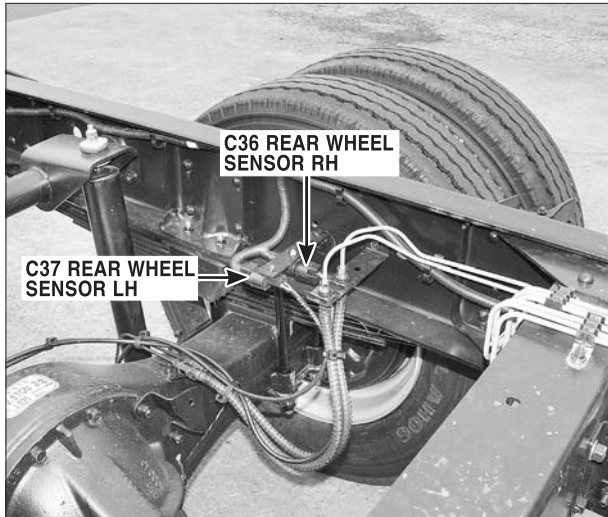


PHOTO.68



PHOTO.69

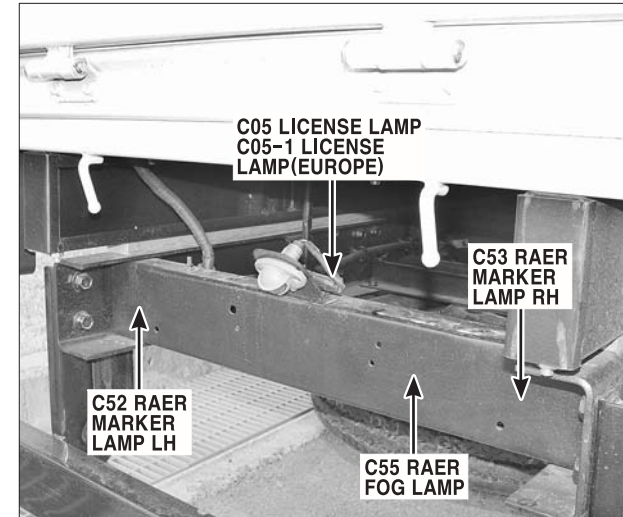


PHOTO.70

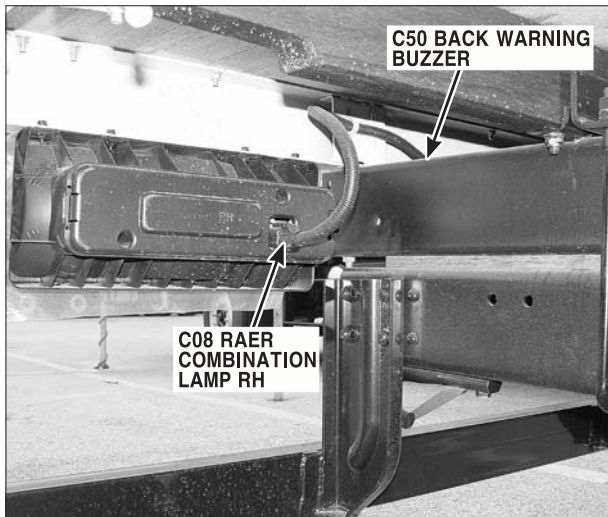


PHOTO.71

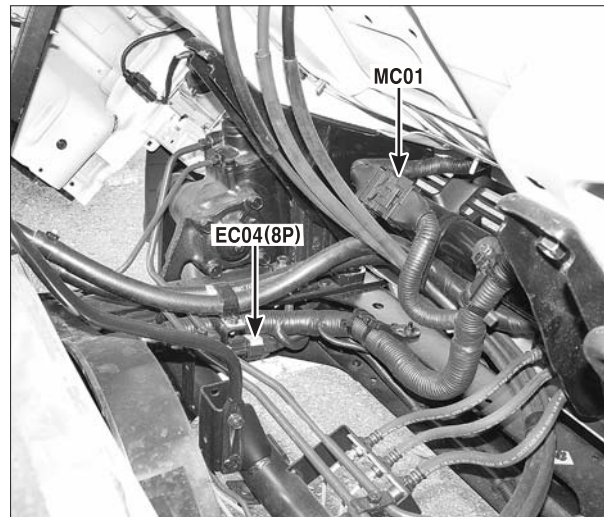


PHOTO.72



# HARNES CONNECTORS

E1917FB2

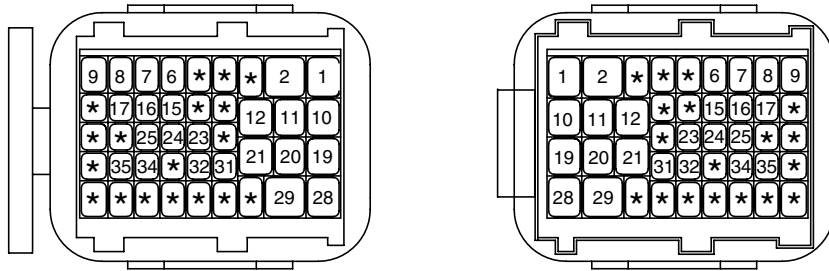
HARNES CONNECTORS (1)		CC-1
<p><b>CA01</b></p> <p>CR14B011</p>	<p><b>CA02</b></p> <p>CR11B004</p>	
<p><b>CA03</b></p> <p>CR20B007</p>	<p><b>CC01</b></p> <p>CR02B006</p>	
<p><b>CC02</b></p> <p>CR02B006</p>	<p><b>CC03</b></p> <p>CR02B006</p>	
<p><b>CC04</b></p> <p>CR02B005</p>	<p><b>CC05</b></p> <p>CR02B005</p>	
<p><b>CC06</b></p> <p>CR02B011</p>	<p><b>EC02</b></p> <p>CR08B005</p>	

# HARNES CONNECTORS

## HARNES CONNECTORS (2)

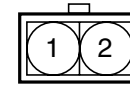
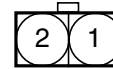
CC-2

EC01



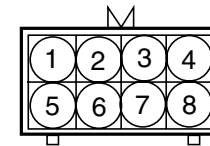
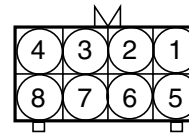
CR42B001

EC03



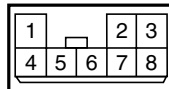
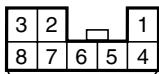
CR02B020

EC04



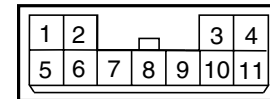
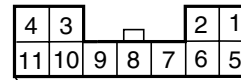
CR08B005

MA01



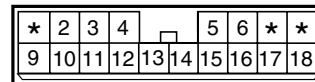
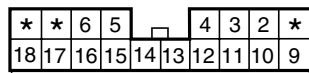
CR08B006

MA02



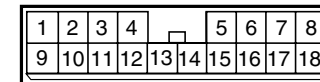
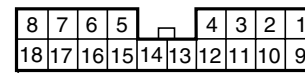
CR11B004

MC01



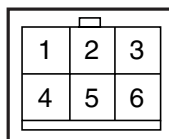
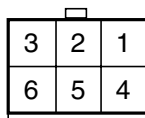
CR18B005

MC02



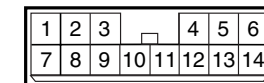
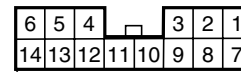
CR18B005

MC03



CR06B009

MC04



CR14B011

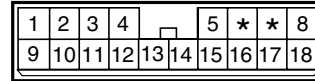
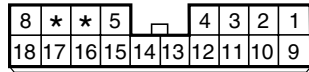


# HARNES CONNECTORS

## HARNES CONNECTORS (3)

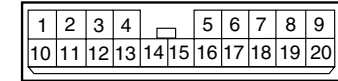
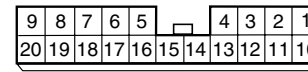
CC-3

MC05



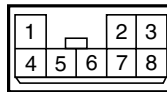
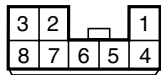
CR18B005

MC06



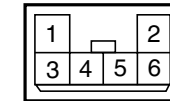
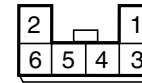
CR20B007

MD01



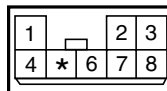
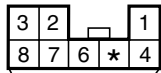
CR08B006

MD02



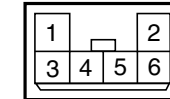
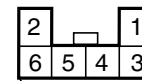
CR06B006

MD03



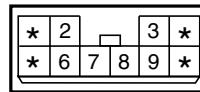
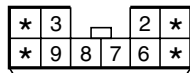
CR08B006

MD04



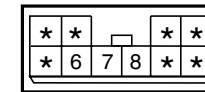
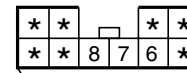
CR06B006

MM01



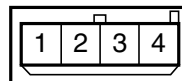
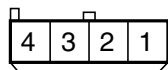
CR10B006

MM02



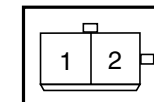
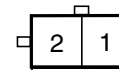
CR10B006

MM03



CR04B013

MM04



CR02B012



# HARNES CONNECTORS

## HARNES CONNECTORS (4)

CC-4

MM06

*	7	6	*		4	3	2	1	
*	17	*	15	14	13	*	*	10	*

1	2	3	4		*	6	7	*	
9	10	11	12	13	14	15	16	17	*

CR18B005

MM07

*	8	*	6	5		*	3	2	1	
*	*	18	17	16	15	*	*	*	11	10

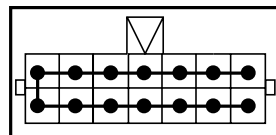
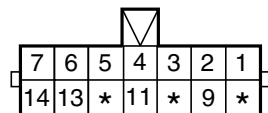
1	2	3	*		5	6	*	8	*	
10	11	*	*	*	15	16	17	18	*	*

CR20B007

JOINT CONNECTORS (1)

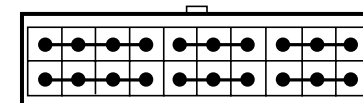
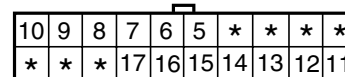
CC-5

M38



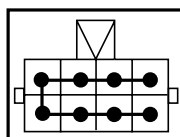
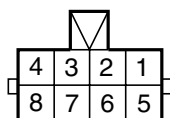
CR14B019

M54



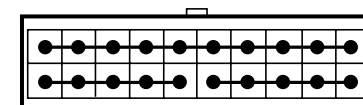
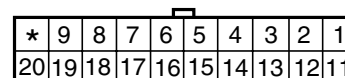
CR20B022

M76



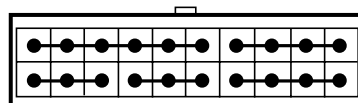
CR08B027

M77



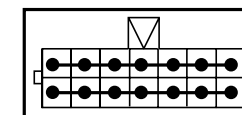
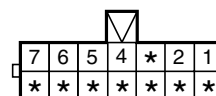
CR20B022

M78



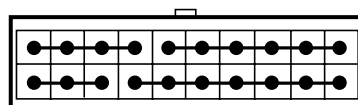
CR20B022

M79



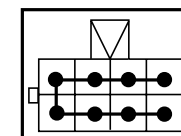
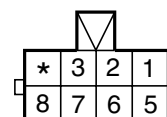
CR14B012

M80



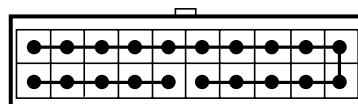
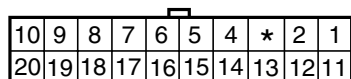
CR20B022

M81



CR08B027

M84



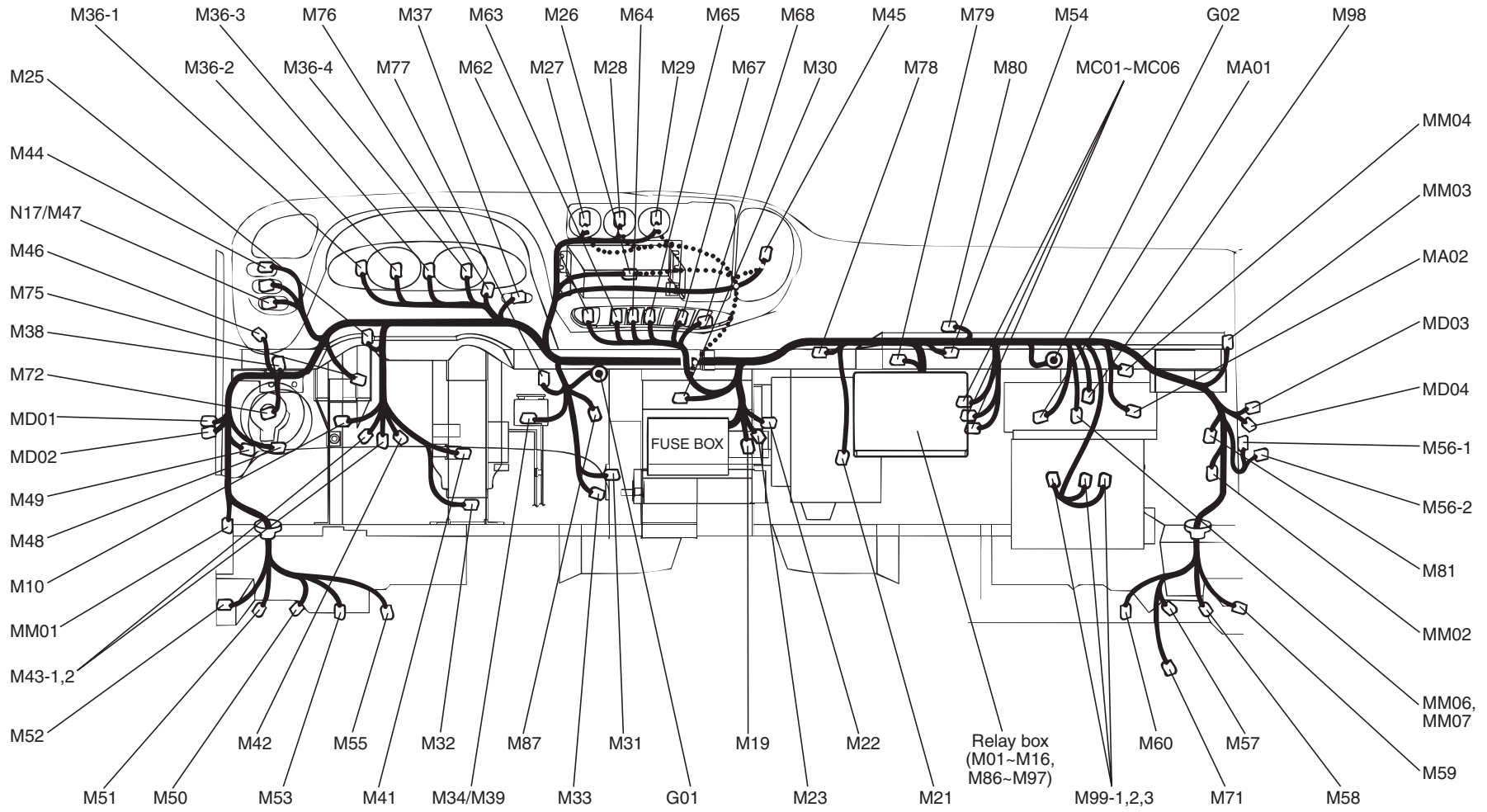
CR20B022

BLANK

MAIN HARNESS (1)

HL-1

.....: D4DD  
 ———: D4AF/D4AL



## MAIN HARNESS

### MAIN HARNESS (2)

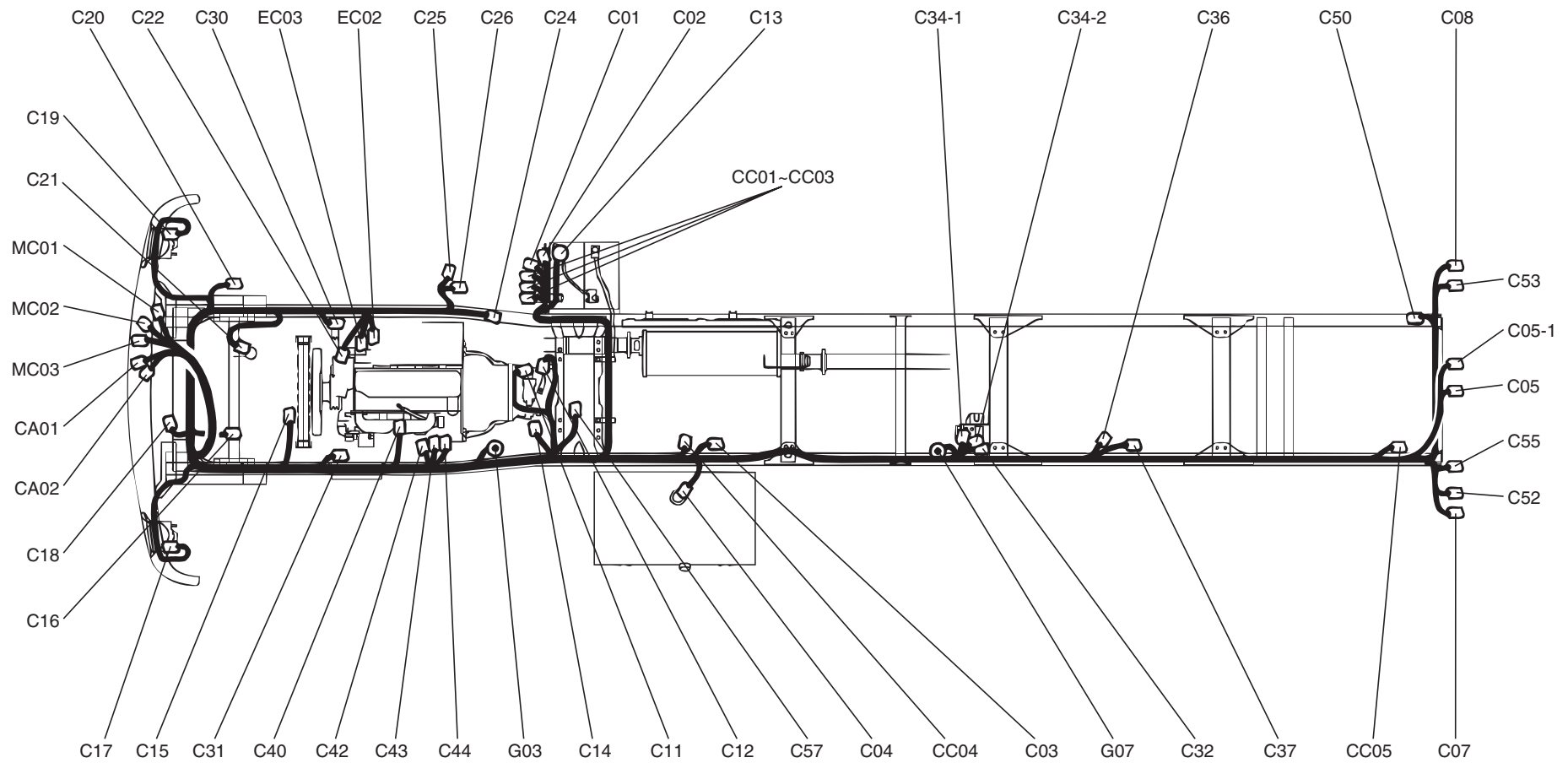
HL-2

#### MAIN HARNESS

M01	Front fog lamp relay	M43-1	Multifunction switch(Wiper)	M81	Joint connector
M02	Tail lamp relay	M43-2	Multifunction switch(Lamp)	M84	Joint connector
M04	Power window relay	M44	Head lamp leveling	M86	Rear fog indicator relay(D4AF/D4AL)
M05	Power door lock relay		switch(D4AF/D4AL)	M87	Overheat buzzer(D4AF/D4AL)
M06	Power door unlock relay	M45	Tachograph(Cassette type)	M88	Horn relay(D4DD)
M07	Outside mirror defogger relay	M46	Brake fluid level sensor	M90	Fuel heater relay(D4DD)
M08	PTO relay	M47	Cold start switch(D4AF/D4AL)	M91	Engine ECM relay(D4DD)
M09	Dump relay	M48	PTO clutch pedal position	M93	Exhaust brake relay(D4DD)
M10	Flasher unit		switch(D4AF/D4AL)	M94	Glow relay(D4DD)
M11	Wiper relay(High)	M49	Exhaust brake clutch	M97	Overheat buzzer relay(D4AF/D4AL)
M12	Wiper relay(Low)		pedal position switch	M99-1	Main ECM(D4DD)
M13	Head lamp relay(High)	M50	Head lamp LH	M99-2	Main ECM(D4DD)
M14	Head lamp relay(Low)	M51	Position lamp LH	M99-3	Main ECM(D4DD)
M15	ABS relay	M52	Front turn signal lamp LH	MA01	Connection With A.B.S Harness
M16	Rear fog lamp relay(D4AF/D4AL)	M53	Head lamp leveling	MA02	Connection With AIR CON Harness
M17	Idle up/down switch(D4DD)		actuator LH(D4AF/D4AL)	MC01	Connection With CHASSIS Harness(D4AF/D4AL)
M19	Rear fog lamp warning buzzer(D4AF/D4AL)	M54	Joint connector	MC02	Connection With CHASSIS Harness(D4AF/D4AL)
M21	Evaporator sensor	M56-1	ETACM(D4AF/D4AL)	MC03	Connection With CHASSIS Harness
M22	High speed warning buzzer(D4AF/D4AL)	M56-2	ETACM(D4AF/D4AL)	MC04	Connection With CHASSIS Harness(D4DD)
M23	Dump warning buzzer	M57	Head lamp RH	MC05	Connection With CHASSIS Harness(D4DD)
M24	Tachograph(Electronic)(D4AF/D4AL)	M58	Position lamp RH	MC06	Connection With CHASSIS Harness(D4DD)
M26	Audio	M59	Front turn signal lamp RH	MD01	Connection With DOOR LH Harness
M27	Blower switch	M60	Head lamp leveling	MD02	Connection With DOOR LH Harness
M28	Intake switch		actuator RH(D4AF/D4AL)	MD03	Connection With DOOR RH Harness
M29	Mode switch	M62	Hazard switch	MD04	Connection With DOOR RH Harness
M30	Ashtray ILL.	M63	Front fog lamp switch	MM01	Connection With FLOOR LH Harness
M31	Wiper motor	M64	A/C switch	MM02	Connection With FLOOR RH Harness
M32	Accelerator pedal position switch	M65	Defogger switch	MM03	Connection With ROOF Harness(D4AF/D4AL)
M33	Mode actuator	M67	Rear fog lamp switch(D4AF/D4AL)	MM04	Connection With MAIN(JUMP) Harness(D4AF/D4AL)
M34	Parking brake switch	M68	Cigarette lighter	MM06	Connection With FLOOR CENTER Harness(D4DD)
	(With double cab)(D4AF/D4AL)	M71	Vacuum switch(D4DD)	MM07	Connection With FLOOR CENTER Harness(D4DD)
M36-1	Instrument cluster	M72	Data link connector	G01	Ground
M36-2	Instrument cluster	M73	High speed warning	G02	Ground
M36-3	Instrument cluster		device(D4AF/D4AL)	Z01	Diode(D4AF/D4AL)
M36-4	Instrument cluster	M75	Working lamp switch	Z02	Diode(D4AF/D4AL)
M37	PTO switch	M76	Joint connector	Z04	Diode(D4AF/D4AL)
M38	Joint connector	M77	Joint connector	Z05	Diode
M39	Engine PTO cab in switch(D4DD)	M78	Joint connector	Z07	Diode(D4DD)
M41	Stop lamp switch	M79	Joint connector		
M42	Ignition switch	M80	Joint connector		

CHASSIS HARNESS (1)

D4AF/D4AL



## CHASSIS HARNESS

### CHASSIS HARNESS (2)

HL-4

#### CHASSIS HARNESS(D4AF/D4AL)

C01 Sub start switch  
C02 Working lamp  
C03 Dump warning switch  
C04 Fuel sender  
C05 License lamp  
C05-1 License lamp(Europe)  
C07 Rear combination lamp LH  
C08 Rear combination lamp RH  
C11 Neutral switch  
C12 Back-up lamp switch  
C13 Battery  
C14 PTO control switch  
C15 Condenser fan motor(D4AF)  
C17 Front fog lamp LH  
C18 Horn  
C19 Front fog lamp RH  
C20 Condenser fan motor(D4AL)  
C21 A/C pressure switch  
C22 A/C compressor  
C24 PTO magnetic valve  
C25 Intake shutter valve  
C26 Exhaust magnetic valve  
C30 Front wheel sensor RH  
C31 Front wheel sensor LH  
C32 ABS hydraulic module  
C33 Vacuum switch  
C34-1 ABS relay box  
C34-2 ABS relay box  
C36 Rear wheel sensor RH  
C37 Rear wheel sensor LH  
C40 Idle up magnetic valve  
C42 Air heater relay  
C43 Air heater relay  
C44 Start solenoid  
C50 Back warning buzzer

C52 Rear marker lamp LH  
C53 Rear marker lamp RH  
C55 Rear fog lamp  
C57 Vehicle speed sensor  
CA01 Connection With A.B.S Harness  
CA02 Connection With A.B.S Harness  
CC01 Connection With Fusible Link Box  
CC02 Connection With Fusible Link Box  
CC03 Connection With Fusible Link Box  
CC04 Connection With SIDE MARKER Harness  
CC05 Connection With SIDE MARKER Harness  
EC02 Connection With ENGINE RH Harness  
EC03 Connection With ENGINE Harness  
MC01 Connection With MAIN Harness  
MC02 Connection With MAIN Harness  
MC03 Connection With MAIN Harness  
G03 Ground  
G07 Ground  
Z03 Diode

#### SIDE MARKER HARNESS(D4AF/D4AL)

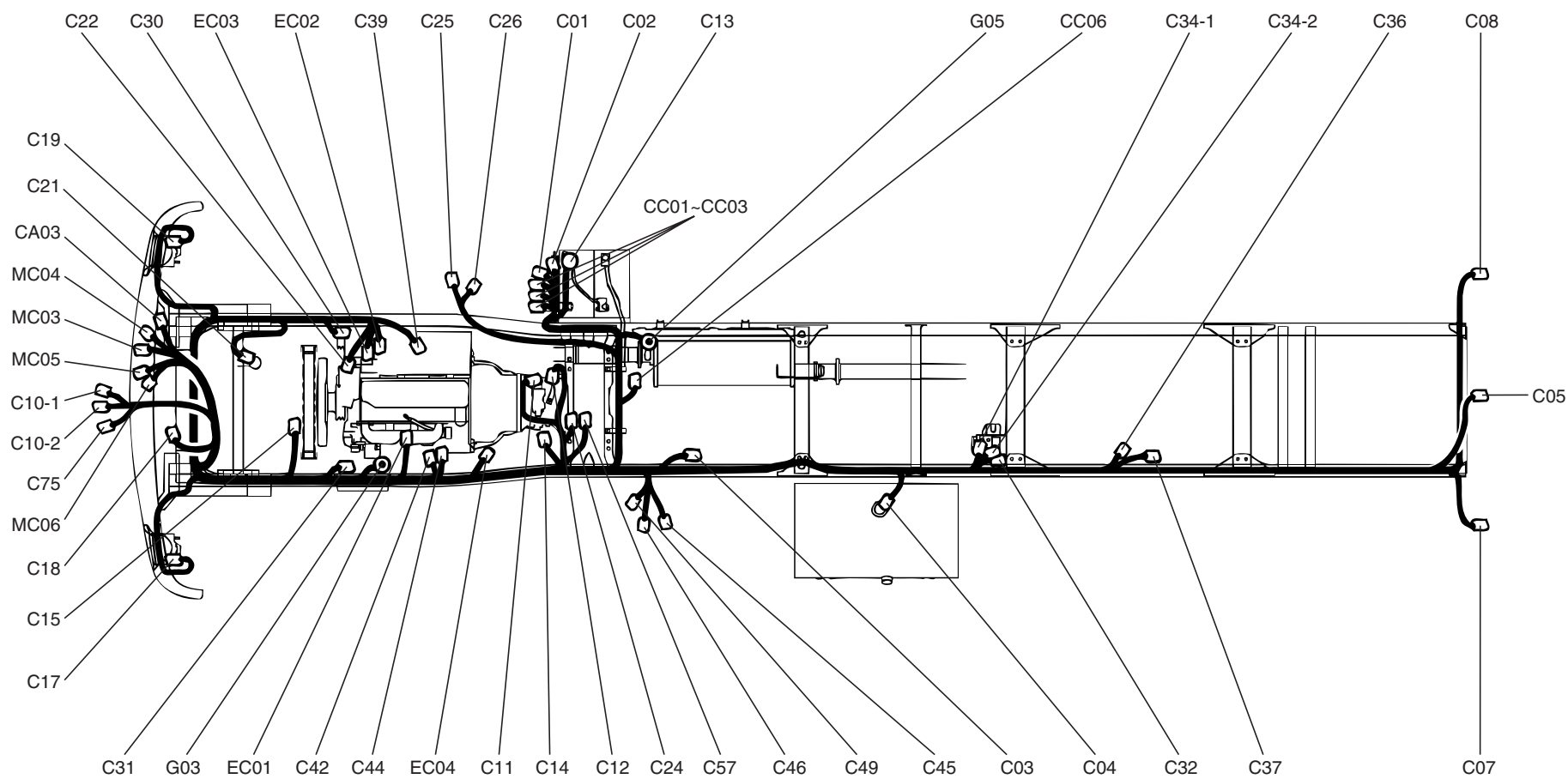
C70 Front outside marker lamp LH  
C72 Front outside marker lamp RH  
C73 Rear outside marker lamp LH  
C74 Rear outside marker lamp RH  
CC04 Connection With CHASSIS Harness  
CC05 Connection With CHASSIS Harness

# CHASSIS HARNESS

## CHASSIS HARNESS (3)

HL-5

D4DD



## CHASSIS HARNESS

### CHASSIS HARNESS (4)

HL-6

#### CHASSIS HARNESS(D4DD)

C01	Sub start switch	C57	Vehicle speed sensor
C02	Working lamp	C75	Can tool
C03	Dump warning switch	CA03	Connection With A.B.S Harness
C04	Fuel sender	CC01	Connection With Fusible Link Box
C05	License lamp	CC02	Connection With Fusible Link Box
C07	Rear combination lamp LH	CC03	Connection With Fusible Link Box
C08	Rear combination lamp RH	CC06	Connection With EXH M/V Harness
C10-1	Engine ECM	EC01	Connection With ENGINE LH Harness
C10-2	Engine ECM	EC02	Connection With ENGINE RH Harness
C11	Neutral switch	EC03	Connection With ENGINE Harness
C12	Back-up lamp switch	EC04	Connection With ENGINE PTO Harness
C13	Battery	MC03	Connection With MAIN Harness
C14	PTO control switch	MC04	Connection With MAIN Harness
C15	Condenser fan motor	MC05	Connection With MAIN Harness
C17	Front fog lamp LH	MC06	Connection With MAIN Harness
C18	Horn	G03	Ground
C19	Front fog lamp RH	G05	Ground
C21	A/C pressure switch	Z03	Diode(With double cab)
C22	A/C compressor		
C24	PTO magnetic valve		
C25	Intake shutter valve(With double cab)		
C26	Exhaust magnetic valve(With double cab)		
C30	Front wheel sensor RH		
C31	Front wheel sensor LH		
C32	ABS hydraulic module		
C34-1	ABS relay box		
C34-2	ABS relay box		
C36	Rear wheel sensor RH		
C37	Rear wheel sensor LH		
C39	Generator		
C42	Air heater relay		
C44	Start solenoid		
C45	Water separator sensor		
C46	Fuel heater		
C49	Fuel heater thermo switch		

#### EXH M/V HARNESS(W/O DOUBLE CAB)

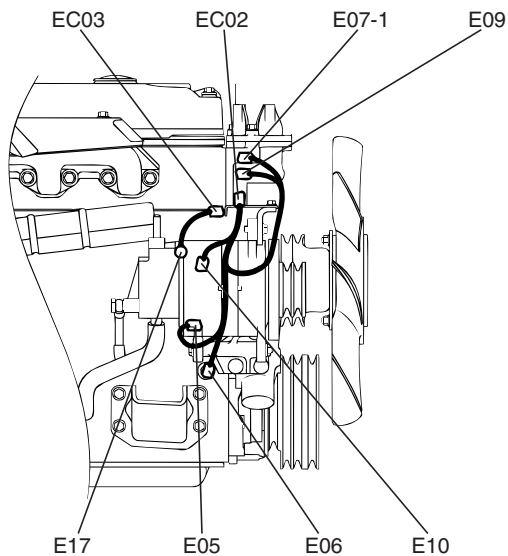
C25	Intake shutter valve
C26	Exhaust magnetic valve
CC06	Connection With CHASSIS Harness
Z03	Diode



ENGINE HARNESS (1)

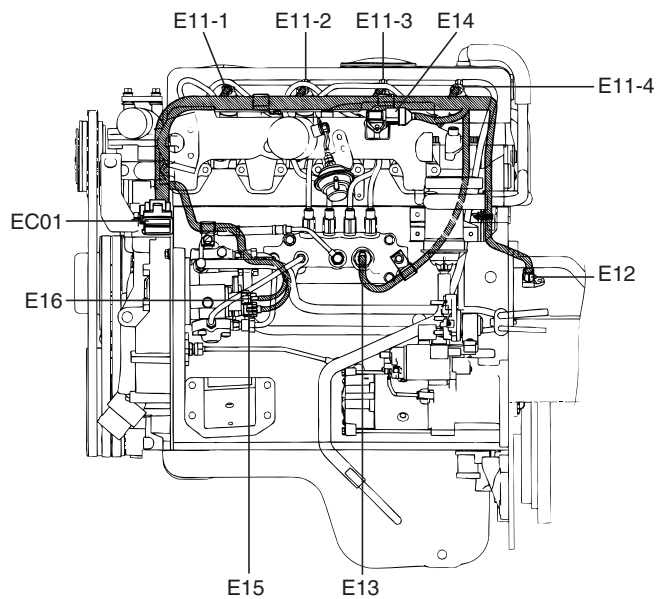
HL-7

D4AF/D4AL

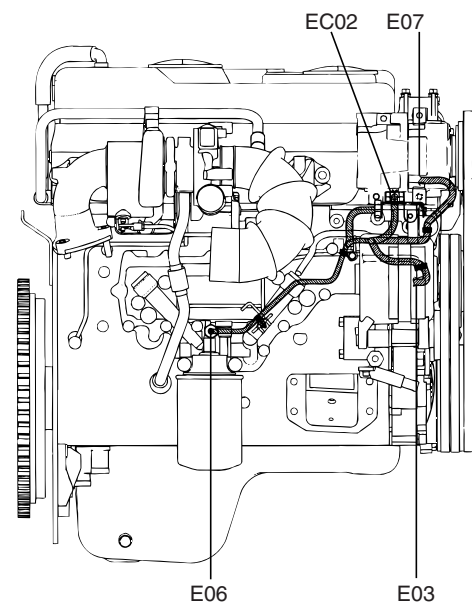


D4DD

ENG LH



ENG RH



## ENGINE HARNESS

### ENGINE HARNESS (2)

HL-8

#### ENGINE HARNESS

E17 Generator  
EC03 Connection With CHASSIS Harness

#### ENGINE HARNESS LH(D4DD)

E11-1 Injector #1  
E11-2 Injector #2  
E11-3 Injector #3  
E11-4 Injector #4  
E12 N.E sensor  
E13 Rail pressure sensor  
E14 Boost pressure & air temperature sensor  
E15 SCV  
E16 Fuel temperature sensor  
EC01 Connection With CHASSIS Harness

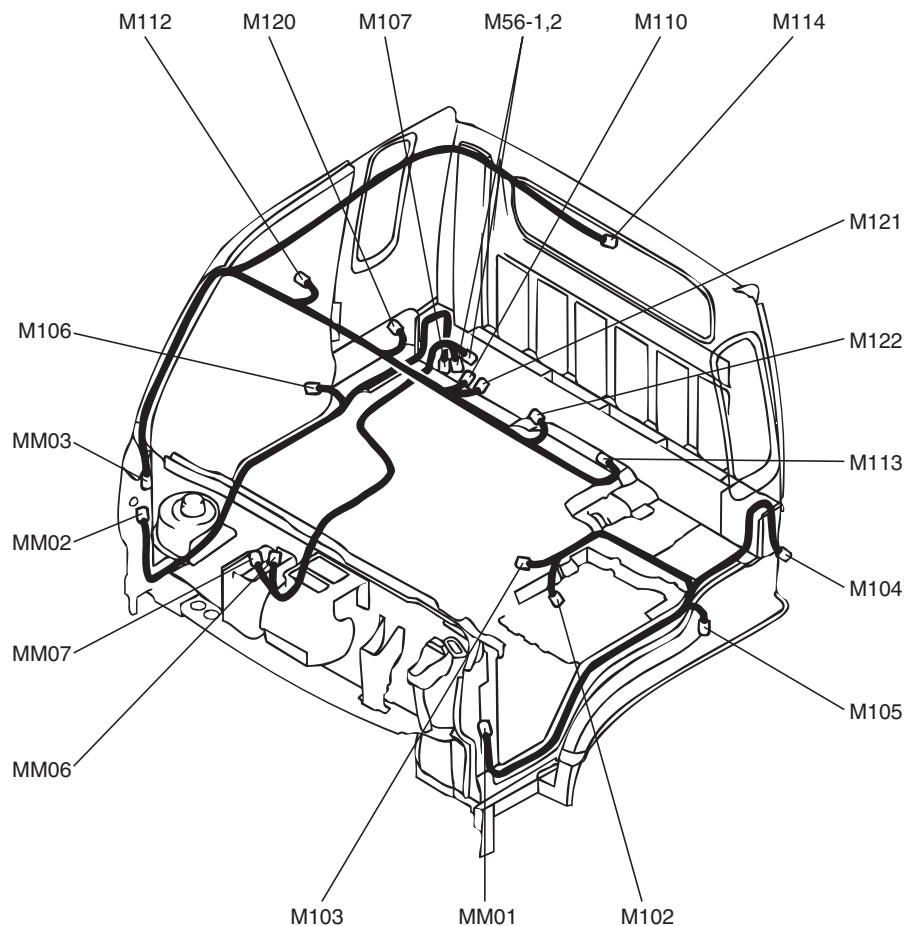
#### ENGINE HARNESS RH(D4DD)

E03 Cam speed sensor  
E06 Oil pressure switch  
E07 Engine coolant temperature sensor & sender  
EC02 Connection With CHASSIS Harness

#### ENGINE HARNESS RH(D4AF/D4AL)

E05 Tachometer sensor  
E06 Oil pressure switch  
E07-1 Engine coolant temperature sensor  
E09 Overheat unit  
E10 Generator  
EC02 Connection With CHASSIS Harness

FLOOR & ROOF HARNESS (1)



**FLOOR HARNESS LH**

- M102 Seat belt switch
- M103 Parking brake switch(W/O double cab)
- M104 Cab tilting switch(W/O double cab)
- M105 Front door switch LH
- M118 Rear door switch LH(With double cab)
- MM01 Connection With MAIN Harness

**FLOOR HARNESS RH**

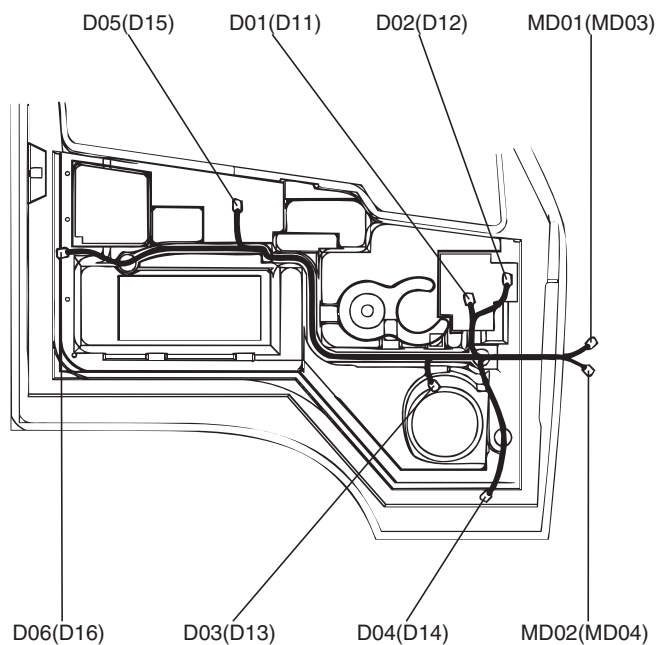
- M106 Front door switch RH
- M107 Washer motor
- M117 Rear door switch RH
- MM02 Connection With MAIN Harness

**FLOOR CENTER HARNESS(D4DD)**

- M56-1 ETACM
- M56-2 ETACM
- MM06 Connection With MAIN Harness
- MM07 Connection With MAIN Harness

**ROOF HARNESS**

- M110 Front room lamp
- M112 Endout marker lamp 'A'(W/O double cab)
- M113 Endout marker lamp 'B'(W/O double cab)
- M114 Rear room lamp(With double cab)
- M120 Endout marker lamp 'C'(W/O double cab)
- M121 Endout marker lamp 'D'(W/O double cab)
- M122 Endout marker lamp 'E'(W/O double cab)
- MM03 Connection With MAIN Harness



**DOOR HARNESS LH**

- D01 Power window motor LH
- D02 Outside mirror defogger LH
- D03 Speaker LH
- D04 Side repeater lamp LH
- D05 Power window main switch
- D06 Power door lock actuator LH
- MD01 Connection With MAIN Harness
- MD02 Connection With MAIN Harness

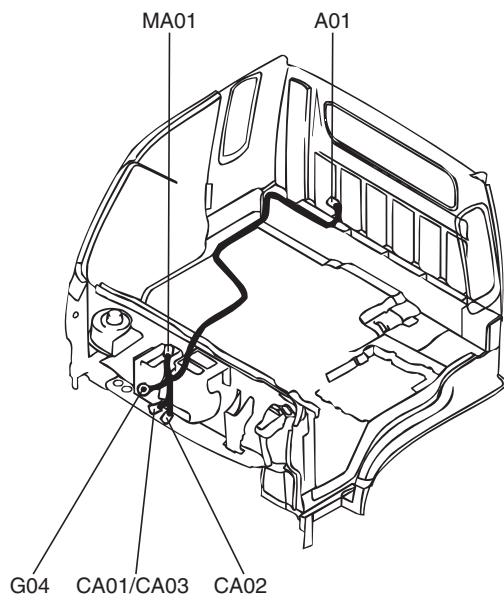
**DOOR HARNESS RH**

- D11 Power window motor RH
- D12 Outside mirror defogger RH
- D13 Speaker RH
- D14 Side repeater lamp RH
- D15 Power window sub switch
- D16 Power door lock actuator RH
- MD03 Connection With MAIN Harness
- MD04 Connection With MAIN Harness

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**A.B.S & AIR CON HARNESS (1)**

**A.B.S**



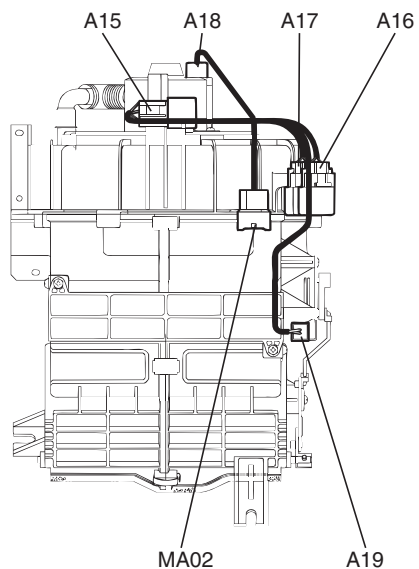
**A.B.S HARNESS(D4AF/D4AL)**

- A01 ABS control module
- CA01 Connection With CHASSIS Harness
- CA02 Connection With CHASSIS Harness
- MA01 Connection With MAIN Harness
- G04 Ground

**A.B.S HARNESS(D4DD)**

- A01 ABS control module
- CA03 Connection With CHASSIS Harness
- MA01 Connection With MAIN Harness
- G04 Ground

**AIR CON**



**AIR CON HARNESS**

- A15 Blower relay
- A16 Condenser fan relay
- A17 A/C relay
- A18 Blower motor
- A19 Intake actuator
- MA02 Connection With MAIN Harness