

Maintenance Manual of Tojoy Sedan**Circuit Overhaul Manual****Preface**

This Maintenance Manual of Tojoy Sedan has been prepared to help the technical service personnel to know and become familiar with JAC sedans so that they can repair and maintain the cars in a fast and reasonable way. This Manual is composed of the engine volume, the chassis volume, the electrical appliance & structure volume of vehicle body, and circuit overhaul volume.

The circuit overhaul volume provides the detailed circuit schematic diagrams and wire harness diagrams for complete Tojoy sedan. It also includes the descriptions and the illustrations for the positions of the electrical components and sensors on the complete vehicle, which are helpful for the service personnel to find out the circuit fault of the car quickly.

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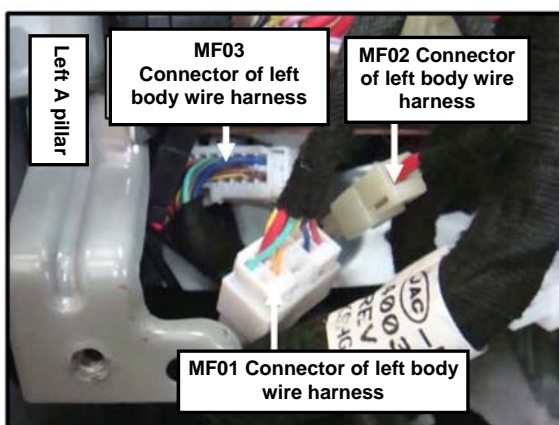
Component Position Index

To position the component shown in a schematic diagram on the vehicle, refer to the component position index following the schematic diagram. The component position index lists the main components and ground as well as the reference pages for the diagrams indicating their specific positions.

ABS		N-3
Component Position Index		
Component Code	Component Name	
E04	ABS module	
F04	Left rear wheel speed sensor	
F10	Right rear wheel speed sensor	
E05	Left front wheel speed sensor	
E06	Right front wheel speed sensor	
F02	Left rear combination light	

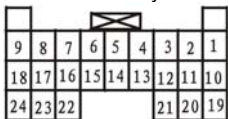
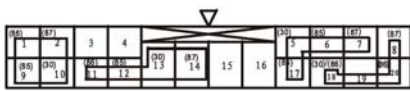


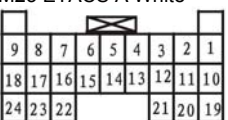
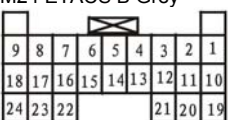



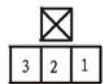






Component Position Diagram

On a component position diagram, it is easy to find the mounting positions of the fittings, the lead wire connectors, etc. shown in a component position index.



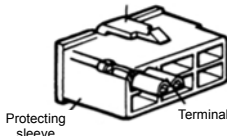
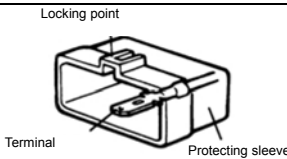

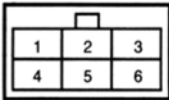
Lead Wire Connector Shape

This section shows the shape of each lead wire connector shown in the circuit diagrams, and provides the diagrams indicating the specific position for each lead wire on the connector, as determined by its color and terminal. The lead wire connector shape diagram helps to find the position to be inspected. The way to read the shape diagram is as follows: when the lead wire connector is not detached, the direction from the wire harness side of the female lead wire connector to the male lead wire connector shall face the front; when the lead wire connector is detached, the component side or the male lead wire connector shall face the front. If the wirings on a lead wire connector are used by multiple systems, it indicates that this connector is the common lead wire connector.

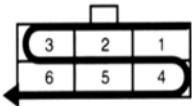
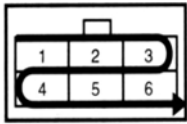
<div>M23 ETACS A White</div> <div>M24 ETACS B Grey</div> <div></div>	<div>Rear fog light relay</div> <div></div>	<div>M14 Rear fog light switch</div> <div></div>	<div>M21 Combination light switch</div> <div></div>			
<div>M23 ETACS A White</div> <div>M24 ETACS B Grey</div> <div></div>	<div>M24 ETACS B Grey</div> <div></div>	<div>F24 Boot switch</div> <div></div>	<div>MR01 Connector of main wire harness and ceiling wire harness</div> <div></div>	<div>F23 Boot lighting</div> <div></div>	<div>R03 Ceiling light</div> <div></div>	<div>M32 Key lighting</div> <div></div>
<div>E17 Left turn light</div> <div></div>	<div>E16 Right turn light</div> <div></div>	<div>E21 Left headlamp</div> <div></div>	<div>E13 Right headlamp</div> <div></div>	<div>M13 Combination light switch</div> <div></div>		

Lead Wire Connector Shape Diagram and Terminal No. Sequence

1. Lead Wire Connector Shape Diagram

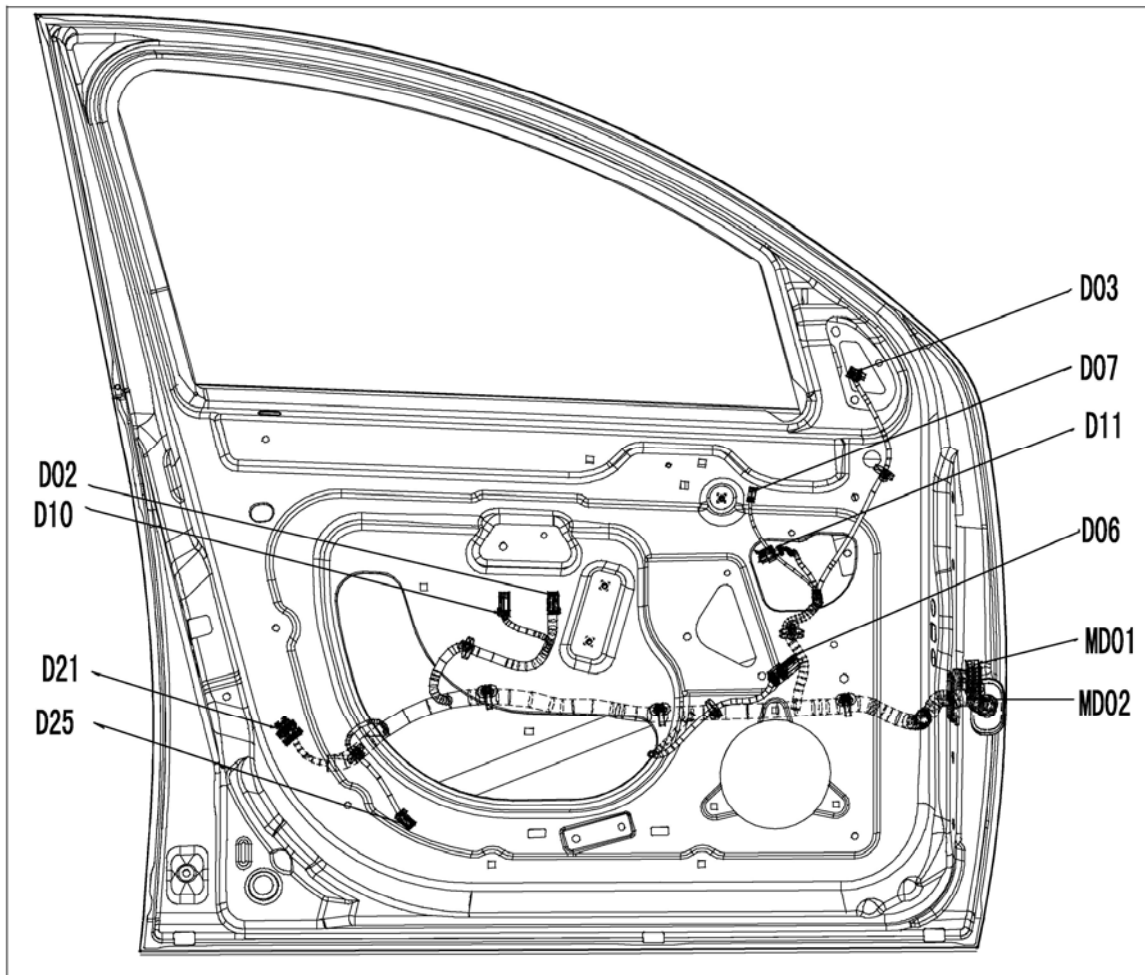
	Socket	Plug	Description
Actual Diagram			<p>The sockets and the plugs are differentiated by the terminals rather than the openings of the protective sleeves.</p> <p>To number the connectors, refer to the table below.</p>
Diagram in This Manual			

2. Terminal No. Sequence

	Numbering Sequence	Description
Socket	 E1AA001D	Number from the upper right to the lower left
Plug	 E1AA001E	Number from the upper left to the lower right

Wire Harness Layout

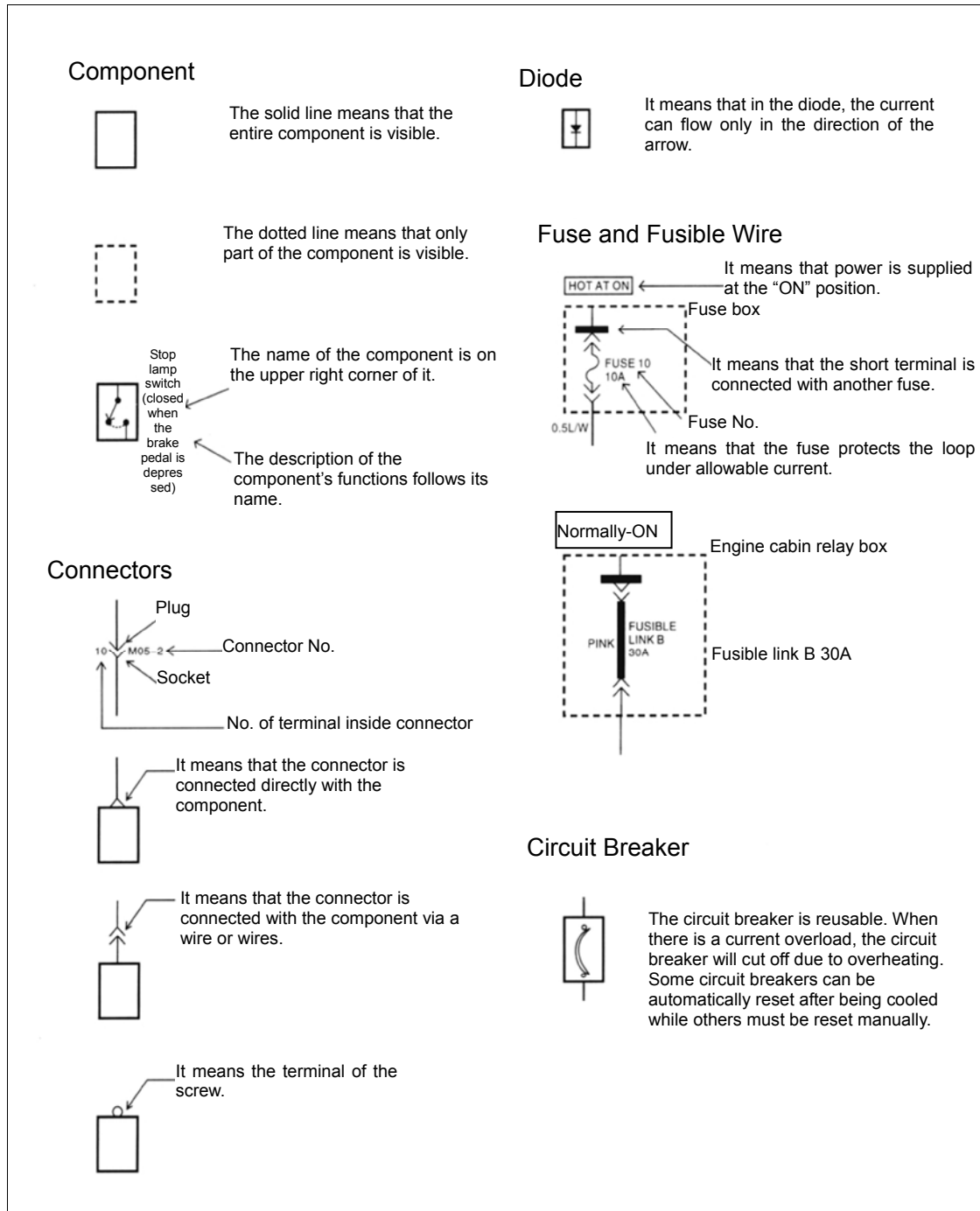
The wire harness layout diagrams depict the mounting and fixing positions of the main wire harnesses and the lead wire connectors as well as the routes of the main harnesses. These diagrams make the circuit service easier.

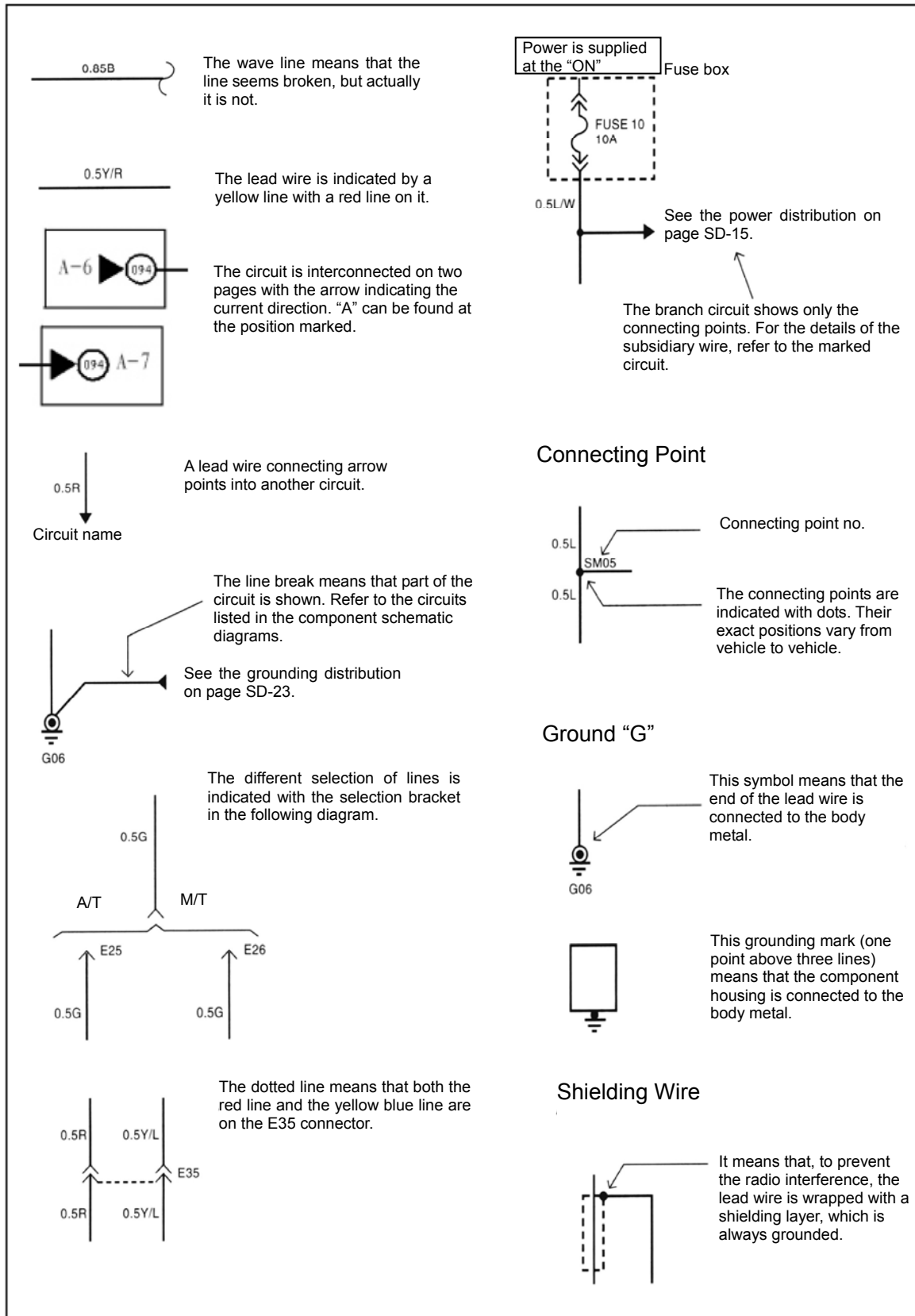


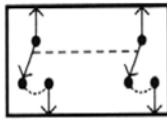
Expression

In this Manual, the following electrical expressions, electrical symbols and abbreviations are used.

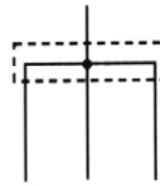
Expression on Circuit Diagram



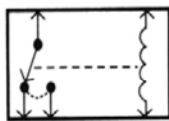


Switch


This type of switches moves with one another. The dotted line means that they are connected by way of mechanical devices.

Connector


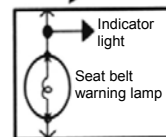
It shows that multiple power cords are connected.

Relay


It shows the condition of the relay when there is no current through the coil. Once the current passes, the contact will shift.

N/O contact

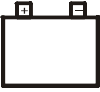


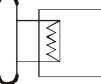

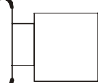

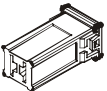





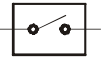


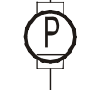

N/C contact



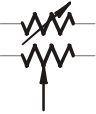

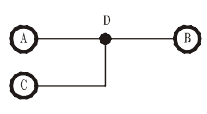

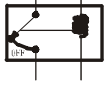
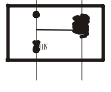
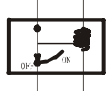
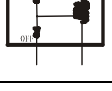

Indicator


It means that the seat belt warning light is connected with other indicator lights in the combination instrument.

The indicator light is indicated by the lighted symbol.

Electrical Symbol on Circuit Diagram

Electrical Symbol	Symbol Description		Symbol Description
 Battery	<ul style="list-style-type: none"> Produce electricity by chemical action. Supply electricity directly to the circuit. 	 Electric heating	<ul style="list-style-type: none"> Produce heat from electricity.
 Wire harness ground point	<ul style="list-style-type: none"> Connect the wire harness to the body ground point and direct the current to the battery negative pole to form a circuit. 	 Cigarette lighter	<ul style="list-style-type: none"> Produce heat from electricity. It can also be used as on-board power supply.
 Slow-blow device	<ul style="list-style-type: none"> If the rated current is exceeded, the fusible wire will blow and the current will be shut off immediately. Warning: When the fuse protector is replaced, the rated current shall not be exceeded. 	 Vehicle power	<ul style="list-style-type: none"> Distribute power to externally-connected electric appliances with compliant rated voltage.
 Fuse link	  Slow-blow device Fuse link	 Horn	<ul style="list-style-type: none"> Produce a sound by way of electricity.
 Lighting	<ul style="list-style-type: none"> When the current flows through the filament, the light will be emitted with heat produced. 	 Loudspeaker	
 Resistor	<ul style="list-style-type: none"> It is mainly used in a serial circuit to protect electrical parts within limited rated voltage. 	 Switch	<ul style="list-style-type: none"> Open or close a circuit to allow or block the current flow.
 Motor	<ul style="list-style-type: none"> Convert electric energy into mechanical energy. 	 Diode	<ul style="list-style-type: none"> Allow current to flow in only one direction.
 Pump	<ul style="list-style-type: none"> Draw and discharge gas or liquid by motor action. 	 Light-emitting diode (LED)	<ul style="list-style-type: none"> Emit light when current passes. Unlike ordinary bulbs, LED produces no heat when emitting light.

Electrical Symbol	Symbol Description	Electrical Symbol	Symbol Description
Sensor  (Thermistor type)	<ul style="list-style-type: none"> Its resistance value varies with the temperature. 	 Fan	<ul style="list-style-type: none"> Cool the engine.
Sensor  (Slide resistor type)	<ul style="list-style-type: none"> Its resistance value varies with the component position. 	 Circuit interconnection	 <ul style="list-style-type: none"> The above diagram represents that circuit C-D is interconnected with circuit A-B.
 N/O relay	<ul style="list-style-type: none"> Produce magnetic force through the coil to engage the relay contacts so that current passes. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>No current passing through coil</p>  <p>No current</p> </div> <div style="text-align: center;"> <p>Current passing through coil</p>  <p>With current</p> </div> </div>		
 N/C relay	<ul style="list-style-type: none"> Produce magnetic force through coil to engage relay contact so that current passes. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>No current passing through coil</p>  <p>With current</p> </div> <div style="text-align: center;"> <p>Current passing through coil</p>  <p>No current</p> </div> </div>		

Description of Lead Wire Color

Wire Color	Code	Wire Color	Code
Black	B	Orange	O
Blue	L	Pink	P
Brown	Br	Red	R
Green	G	Violet	V
Grey	Gr	Yellow	Y
Light green	Lg	White	W

Wire Harness Identification Mark

The wire harnesses are classified into the following types in accordance with the positions of the lead wires:

Wire Harness Name	Connector Code
Main wire harness	M
Airbag wire harness, ABS module wire harness and air conditioner wire harness	A
Engine cabin wire harness and power supply wire harness	E
Control wire harness	E
Frame wire harness	F
Left/right front door wire harnesses	D
Left/right rear door wire harnesses	D
Tail door wire harness	R
Ceiling wire harness	R
Radar sensor wire harness	F
Rear defrost wire harness	R

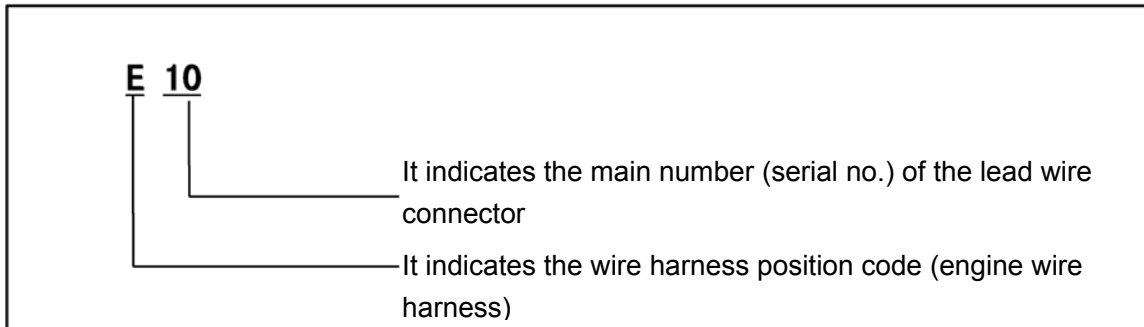
The circuits of complete vehicle are differentiated with following paging codes by system function:

System Function	Paging Code
Power distribution system	A
Starting and charging system	B
Window elevating and horn part	K
Engine ECM system	D
Reversing radar	E
ACC system	F
Lighting	G
BCM system	H
Power rear-view mirror	I
Sunroof system	J
Combined switch and wiper	K
Airbag	L
Diagnostic system	M
ABS	N
Air conditioning system	O
Instrument system	P
Anti-theft system	Q

Lead Wire Connector Identification Code

A lead wire connector identification code consists of a wire harness position identification code and a lead wire connector identification code. For the position of the lead wire connector, refer to the wire harness layout diagrams.

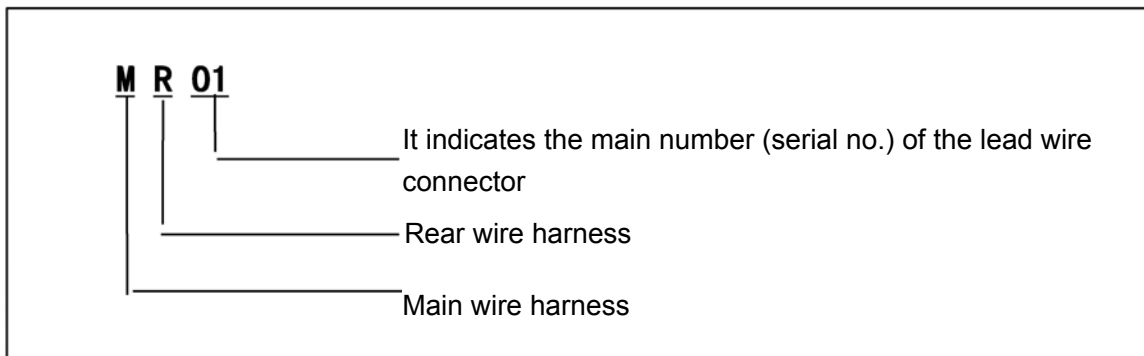
Example:



Attention

A lead wire connector between wire harnesses is indicated with a code as below.

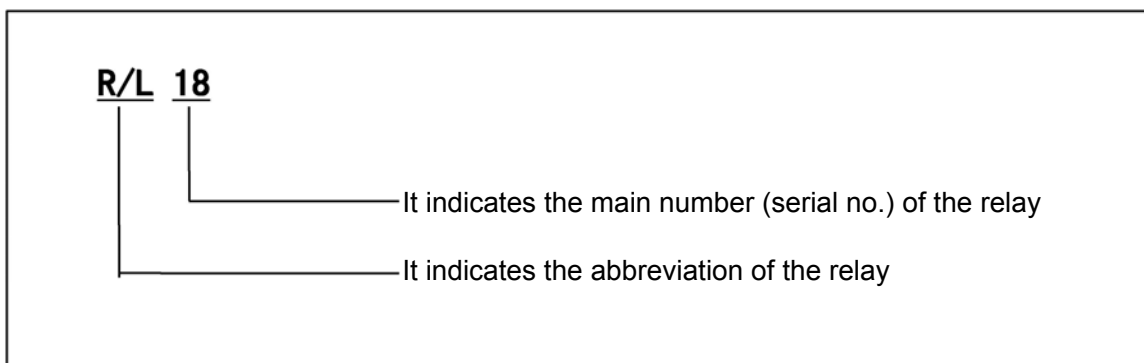
Example:



Relay Identification

A relay identification code consists of the abbreviation and the main number (serial no.) of the relay.

Example:



Fault Detection Guide

Fault Detection Procedure

The detection involves the following five phases.

1. Verify Customer's Complaint

To properly repair a faulty circuit, inspect its components first and maintain a record. No disassembly is allowed until the cause of the fault has been ascertained.

2. Read and Analyze Circuit Diagram

Analyze the entire circuit of the faulty component, ranging from the power supply to the ground, in accordance with the circuit diagram of the component, before determining the operation method. If the operation method cannot be determined, refer to reference books on how the circuit works. Inspect other circuits common with the faulty circuit too. For example, refer to the circuit diagrams to inspect the common circuits of the components such as the fuses and the ground. Inspect the common circuits not covered in the first phase too. If the common circuits work normally, the fault lies in the faulty circuit itself. If all the circuits work abnormally, the fault may lie in the fuses or the ground.

3. Inspect Circuit and Component

Use a tester for the second-phase detection. An effective fault diagnosis must be a logic and simple process. Determine the cause of the fault using the fault diagnosis procedure or the fault diagnosis table. In addition, detection shall start from the most possible cause and the position that is the easiest to detect.

4. Repair Fault

Find out the fault and make necessary repairs.

5. Confirm Working of Circuit

After the repairs have been completed, inspect the circuit again to confirm that the fault has been eliminated. If the fault lies in a blown fuse, inspect all the circuits that use this fuse.

Fault Diagnosis Devices

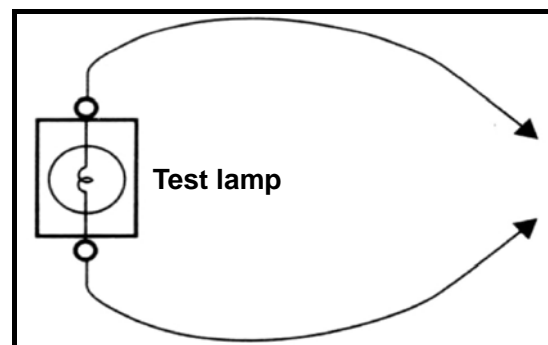
Voltmeter and Test Lamp

Use a test lamp or a voltmeter to inspect the condition of the circuit and use a test lamp to check whether a voltage exists across the circuit. A test lamp includes a pair of lead wires and a 12V bulb. During the inspection, ground one lead wire and connect the other to a certain point to be measured. If the lamp lights, it indicates that this point is supplied with power.

Attention

To measure the voltage of an electronic control module, such as the voltage across the circuit of the ECM (engine control module) used by an electronically controlled fuel injection engine, do use a digital voltmeter with a resistance of 10M or higher. If a test lamp is used to inspect the circuit of the module, the internal circuit may be damaged. Therefore, never use a test lamp to inspect an electronic circuit.

The voltmeter and the test lamp are used in basically the same way. The difference is that the test lamp can only inspect whether power is supplied while the voltmeter can also display the voltage.



Self-powered Test Lamp and Ohmmeter

Use a self-powered test lamp or an ohmmeter to

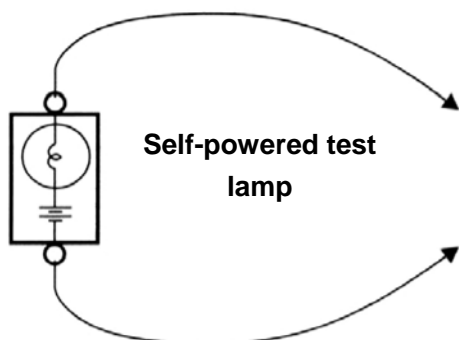
inspect the continuity of a circuit. A self-powered test lamp consists of a bulb, a battery and two lead wires. When the two wires are connected, the bulb lights. Before the inspection, disconnect the battery negative wire and pull out the fuses of the circuit.

Attention:

If a self-powered test lamp is used to inspect the circuit of a module, the internal circuit may be damaged. Therefore, never use a self-powered test lamp to inspect an electronic circuit.

The ohmmeter and the self-powered test lamp are used in basically the same way. But the ohmmeter can also display the resistance. A low resistance indicates good continuity.

Semiconductor elements shall be inspected by a digital multimeter with a resistance of 10M or more. When using a digital multimeter to measure the resistance, disconnect the battery negative wire, or a wrong reading will result. When an ohmmeter is used to measure the resistance, the diodes or the semiconductor elements in a circuit may affect the measured value. To inspect whether a component affects the measured value, take one value first and then reverse the polarity to take another value. If the values obtained from the two measurements differ, it indicates that the semiconductor elements affect the measured value.



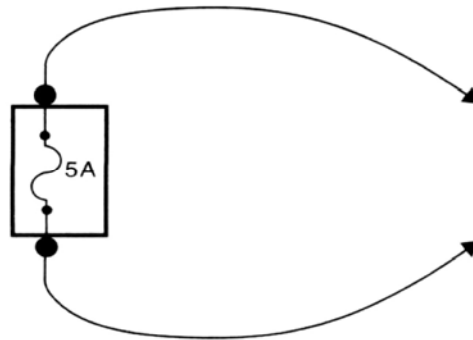
Fused Jumper

Use jumpers to inspect an open loop circuit.

A jumper is an inspection tool in series with the tested lead wire. It can be used with most lead wire connectors without damaging them.

Caution

To protect the circuit to be inspected, do not use a fused jumper with a capacity greater than the rated capacity of the circuit. Furthermore, do not use jumpers in place of the output or input signals if ECM, TCM and other control modules are connected.



Short-circuit Detector

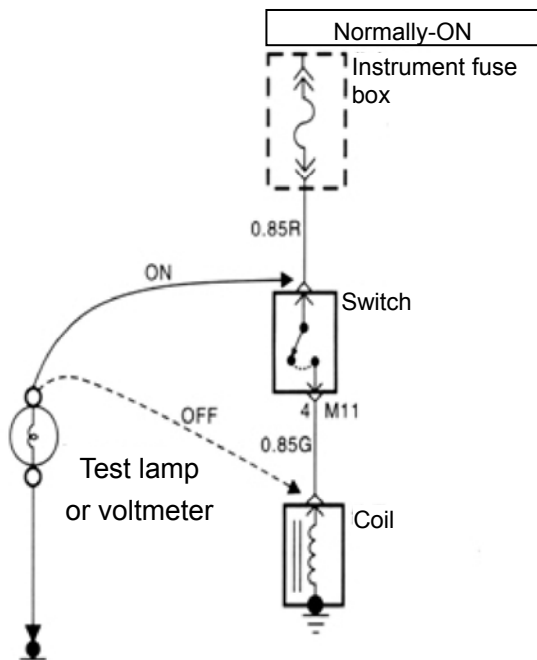
With a short-circuit detector, the position of the short circuit can be found. When a short-circuit detector is used to inspect the shorted circuit, a pulse magnetic force will be produced so that the short circuited position can be found.

Fault Detection

1. Voltage Detection

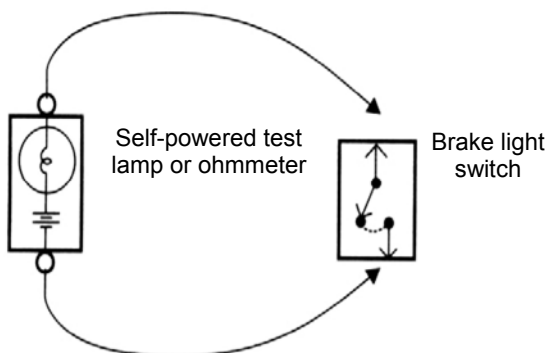
This involves detecting whether there is voltage across a certain point. When a terminal of the lead wire connector is detected, it is permissible to test from the back of the connector rather than disassembling the wire connection.

- ① To use a test lamp or a voltmeter to measure the voltage, connect the negative pole of the tester with the negative pole of the battery first.
- ② Then connect the other lead wire of the test lamp or the voltmeter to the position to be detected.
- ③ If a test lamp is used and it lights, it indicates that the detected position is supplied with power. If a voltmeter is used and it displays a value over 1V lower than the specified value, it indicates that the circuit is faulty.



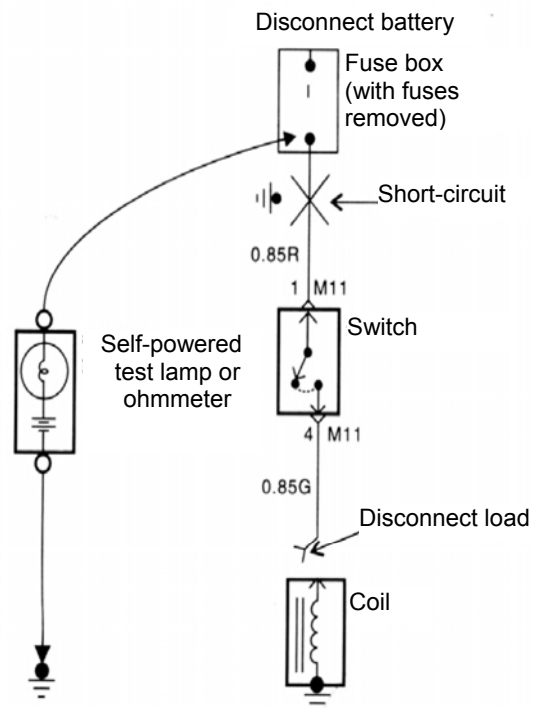
2. Power-on Test

- ① Disconnect the negative pole of the battery.
- ② Connect one lead wire of a self-powered test lamp or an ohmmeter to the position to be inspected. To use an ohmmeter, first short connect its two lead wires and then zero it with a zero setter.
- ③ Connect the other lead wire of the tester with the other terminal of the load to be inspected.
- ④ If the self-powered test lamp lights, it indicates continuity. If an ohmmeter is used and it displays a resistance that is very low or nearing 0, it indicates good continuity.



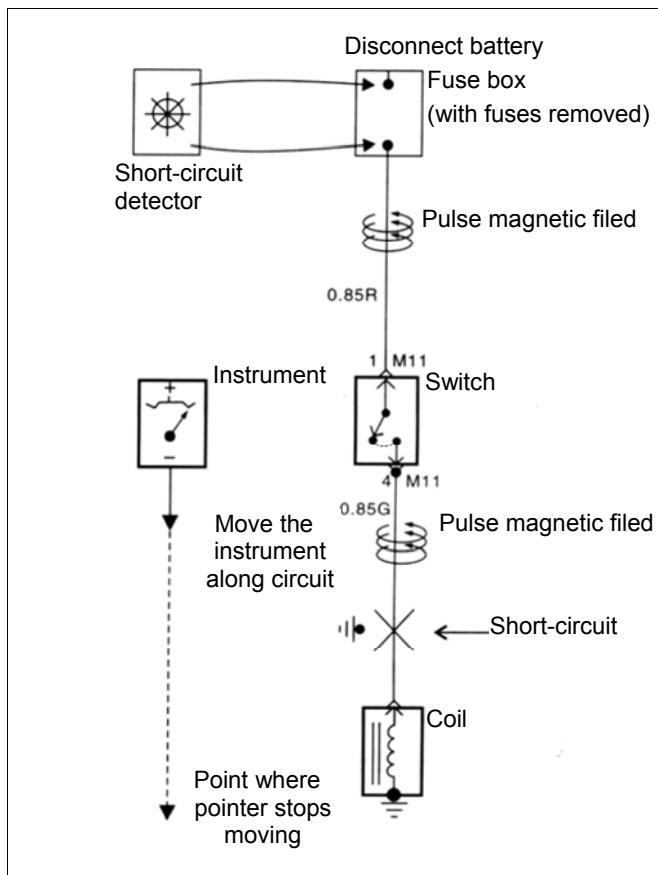
3. Short-circuit Test

- ① Disconnect the negative pole of the battery.
- ② Connect one lead wire of a self-powered test lamp or an ohmmeter with one terminal of the fuse.
- ③ Ground the other lead wire of the self-powered test lamp or the ohmmeter.
- ④ Inspect the wire harnesses one by one, starting from the harness closest to the fuse box. Repeat this procedure until there is a distance of about 15cm from the self-powered test lamp or the ohmmeter.
- ⑤ If the self-powered test lamp lights or the ohmmeter has an indication, it shows that the circuit from this position to the ground is shorted.



4. Detect with Short-circuit Detector

- ① Pull out the blown fuse and disconnect the negative pole of the battery.
- ② Connect the short-circuit detector with the fuse terminal.
- ③ Turn on the switch to inspect the circuit.
- ④ When the short-circuit detector moves to the position of the short circuit, a pulse magnetic force will be produced between the fuse and this position.
- ⑤ Move the short-circuit detector slowly along the lead wire from the fuse box. As long as the detector is between the fuse and the short circuit, its pointer will move as the pulse current changes. Once the detector passes the position of the short circuit, its pointer will stop moving.



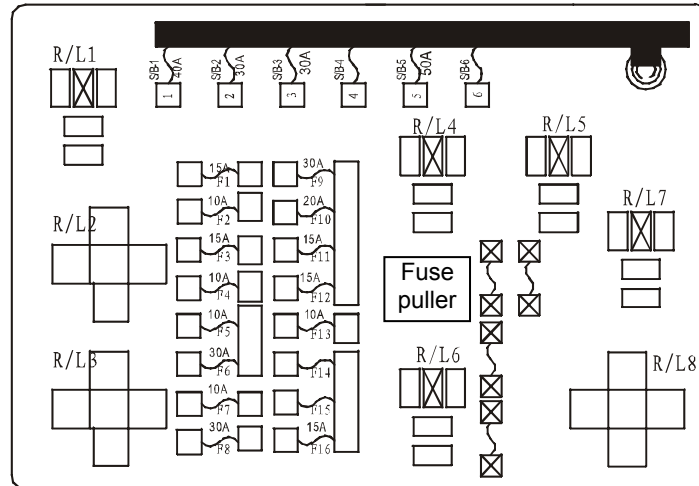
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Air Conditioning System - O	55
Combination Instrument - P.....	60

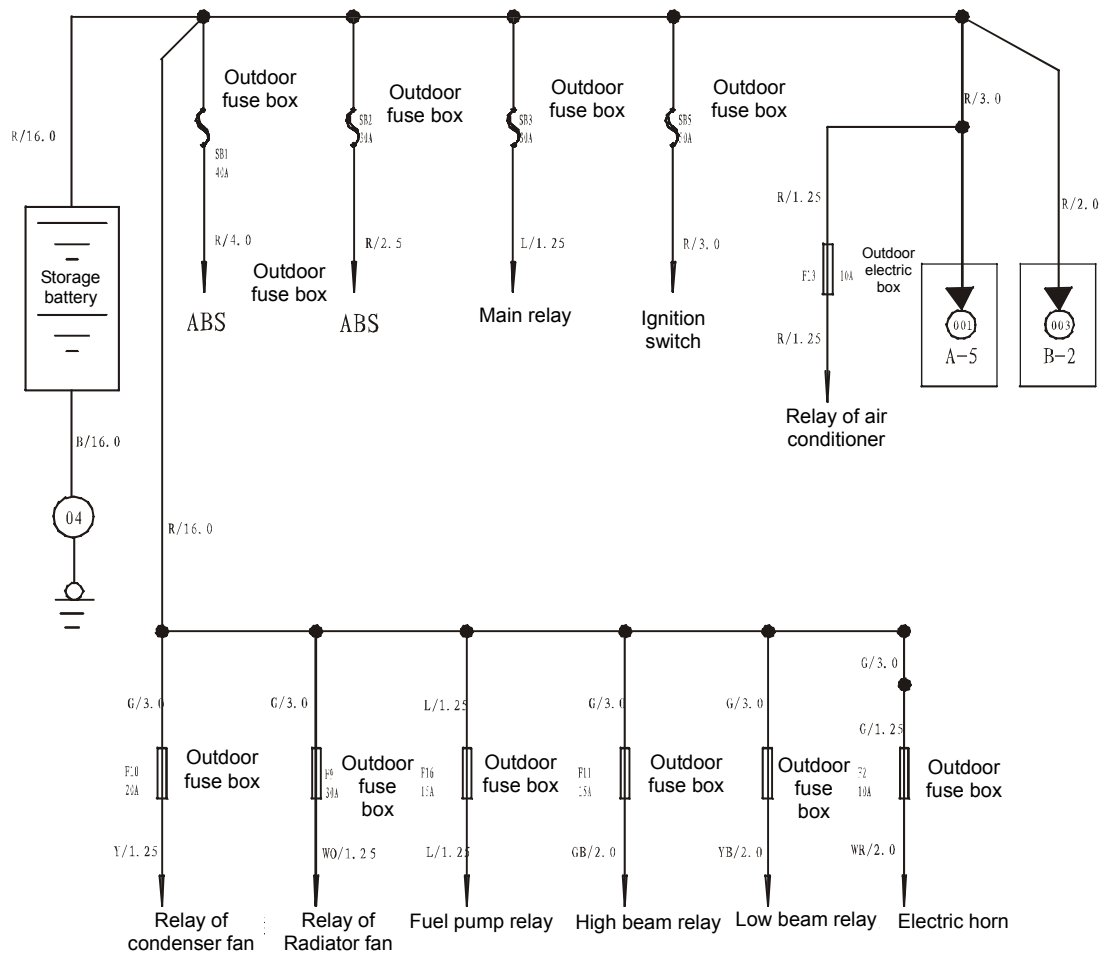
Power Distribution System - 1 Outdoor Fuse Box

A-1

Outdoor electric box



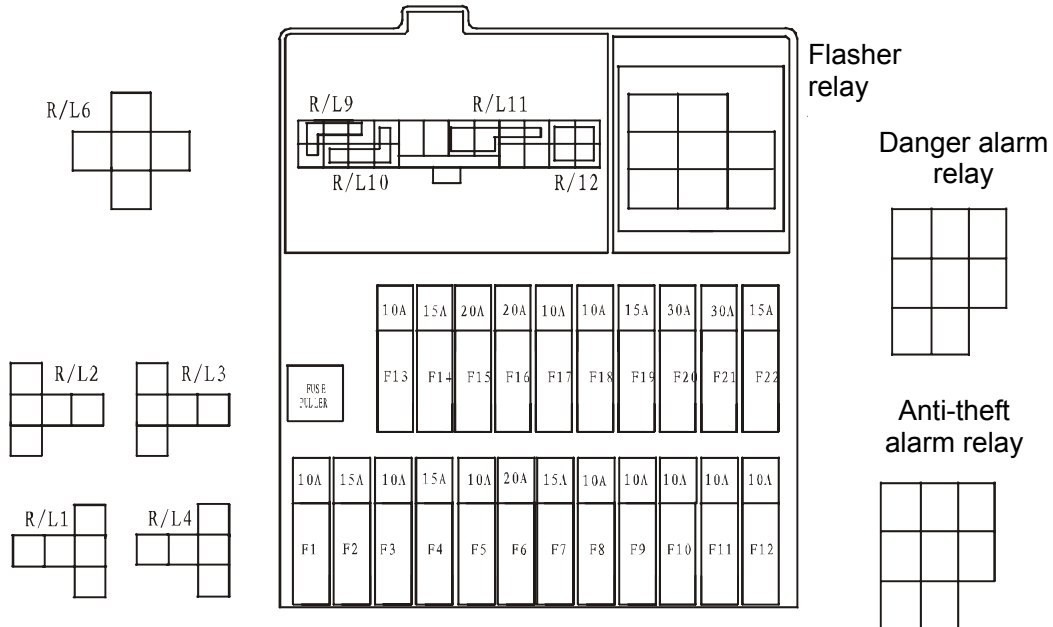
R/L1	Relay of electric horn	F3	BCM
R/L2	Relay of condenser fan 2#	F4	Blower fuse
R/L3	Starting relay	F5	Fuse of ABS and starting relay
R/L4	Low beam relay	F6	Starting relay
R/L5	High beam relay	F7	Fuse of air conditioner, oil pump and fan relay
R/L6	Relay of condenser fan 1#	F8	Fuse of blower relay
R/L7	Relay of oil pump	F9	Fuse of Radiator fan
R/L8	Main relay	F10	Fuse of condenser fan
S/B-1	ABS slow blow device	F11	High beam fuse
S/B-2	ABS slow blow device	F12	Low beam fuse
S/B-3	Main relay slow blow device	F13	Relay of air conditioner
S/B-4	Vacant	F14	Vacant
S/B-5	Ignition switch slow blow device	F15	Vacant
S/B-6	Vacant	F16	Oil pump
F1	Fuse of rear wiper motor		
F2	Fuse of bass horn		

Power Distribution System - Outdoor Fuse Box
A-2


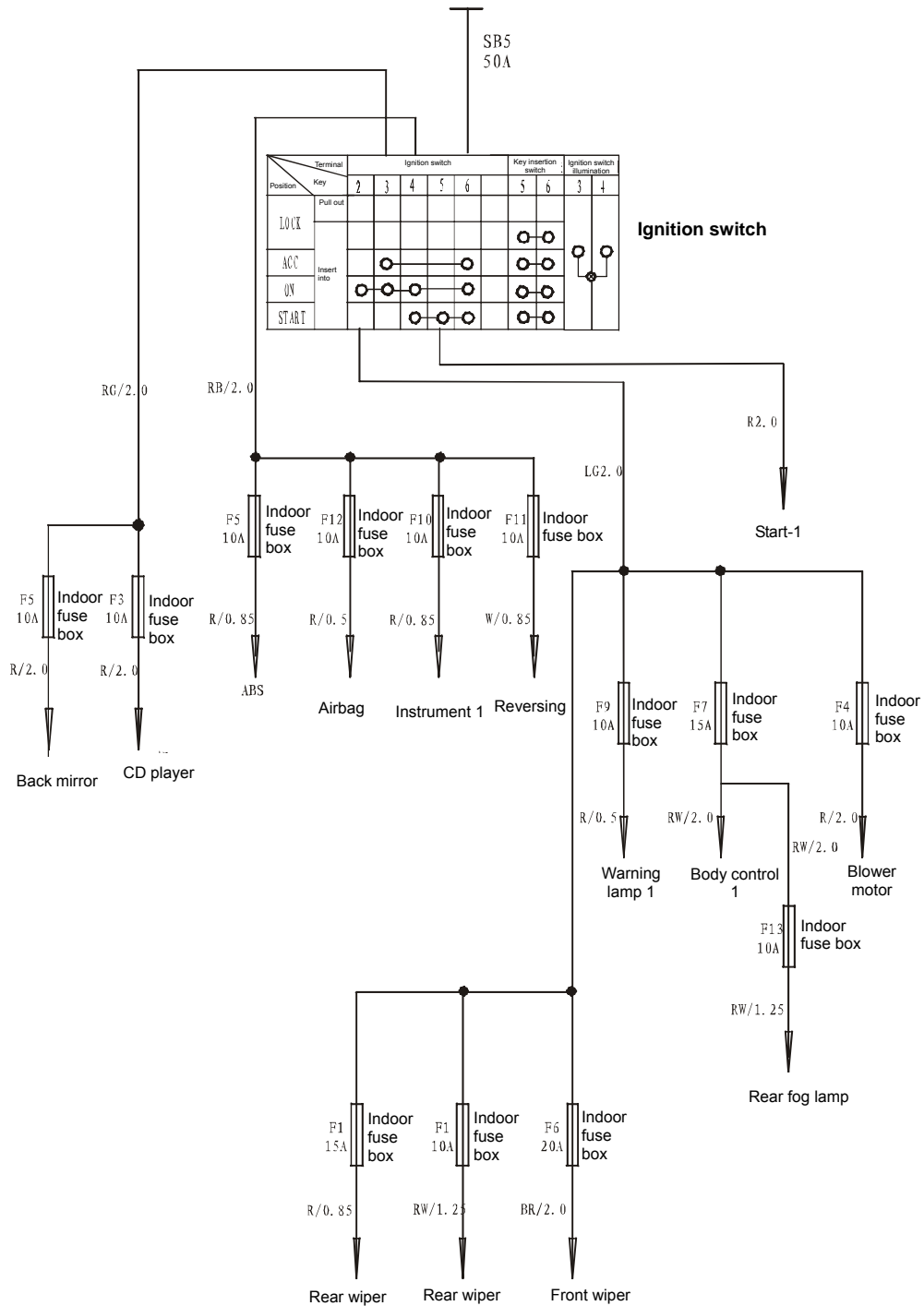
Power Distribution System - 2 Indoor Fuse Box

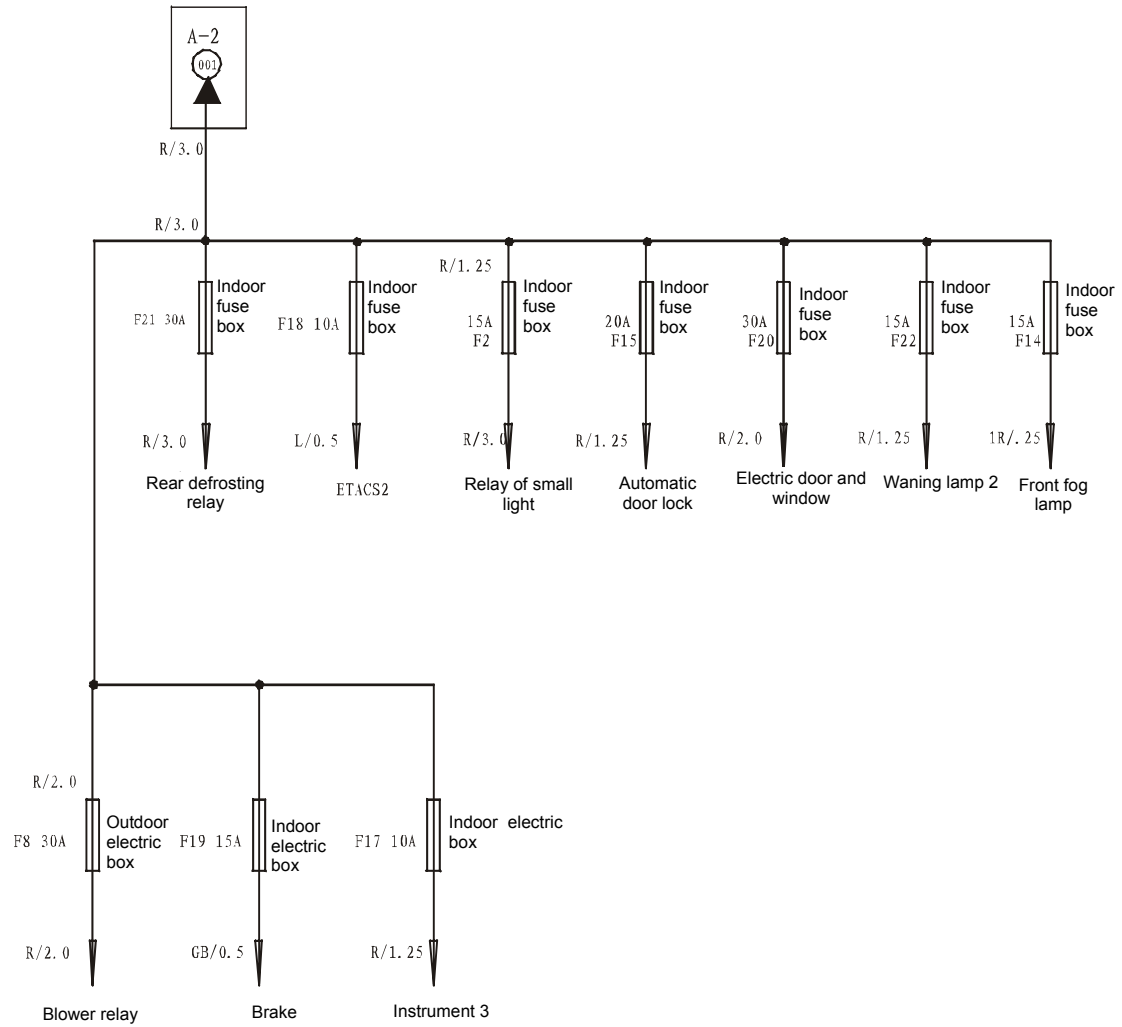
A-3

Indoor electric box



R/L1	Relay of small light	F3	CD player fuse, cigarette lighter fuse
R/L2	Relay of A/C compressor	F4	Vacant
R/L3	Relay of rear wiper	F5	Back mirror fuse
R/L4	Relay of front wiper	F6	Front wiper fuse
R/L5	Anti-theft alarm relay	F7	Fuse of body control 1
R/L6	Rear defrosting relay	F8	Fuse of sun roof 1
R/L7	Flasher relay	F9	Fuse of warning lamp 1
R/L8	Danger alarm relay	F10	Fuse of instrument 1
R/L9	Relay of rear fog lamp	F11	Fuse of reversing lamp
R/L10	Relay of electric door and window	F12	Fuse of airbag
R/L11	Blower relay	F13	Fuse of rear fog lamp
R/L12	Relay of front fog lamp	F14	Fuse of front fog lamp
F1	Fuse of rear wiper motor	F15	Fuse of automatic door lock
F2	Fuse of small light	F16	Fuse of sun roof 2
		F17	Fuse of instrument 2
		F18	Fuse of body control 2
		F19	Fuse of stop lamp
		F20	Fuse of electric door and window
		F21	Rear defrosting fuse
		F22	Fuse of warning lamp 2

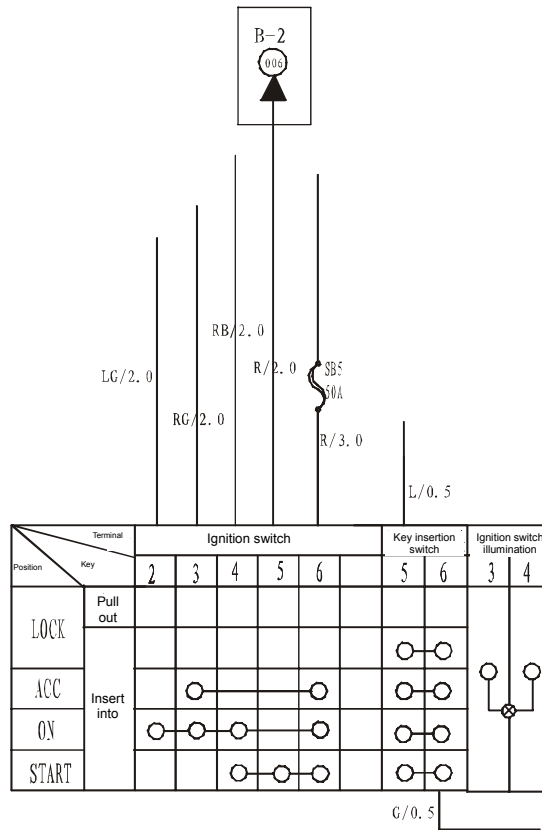
Power Distribution System - Indoor Fuse Box
A-4


Power Distribution System - Indoor Fuse Box
A-5


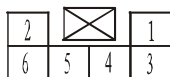
Starting and Charging System

B-1

Anti-theft alarming



M32 Key insertion illumination

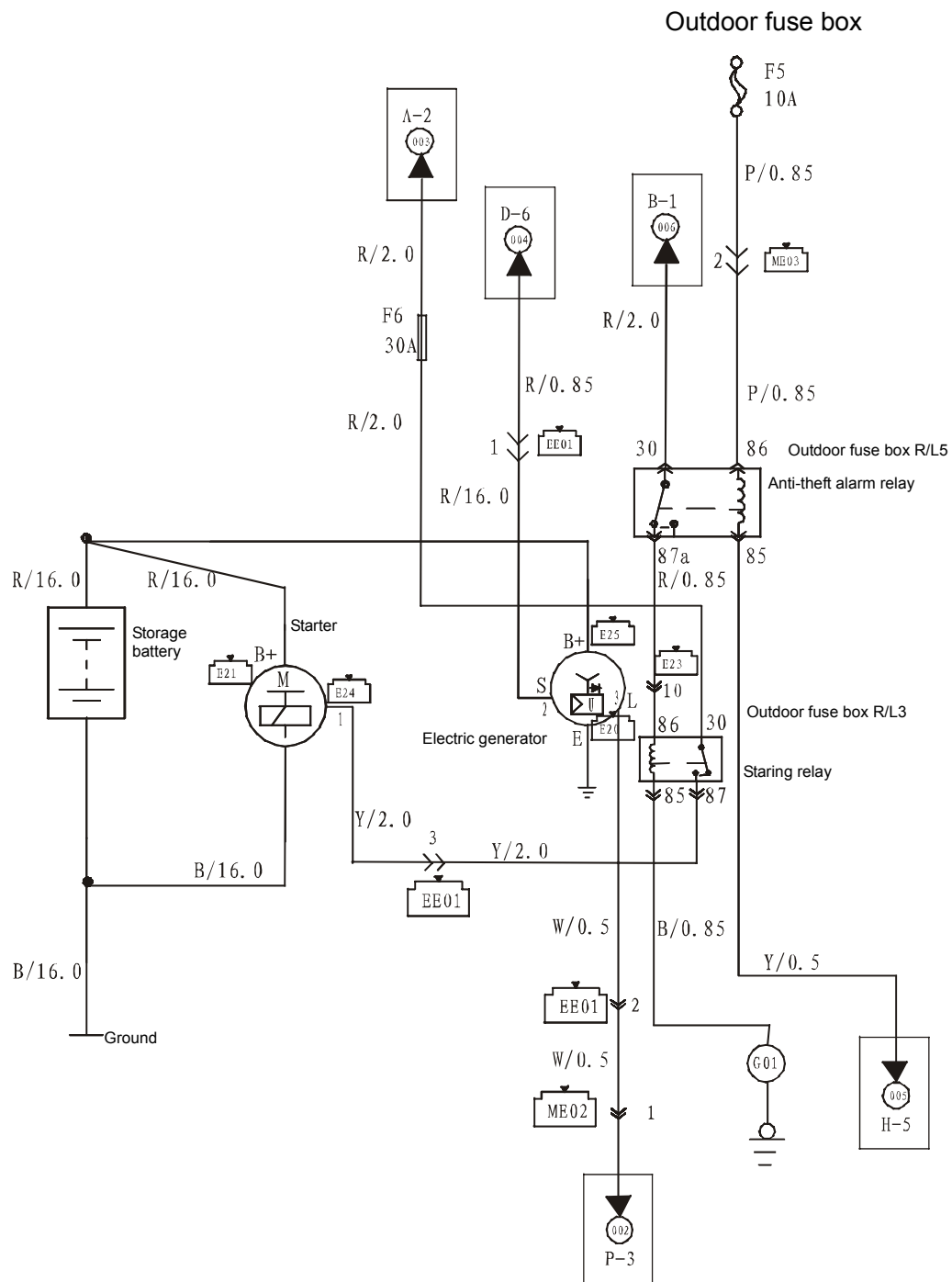


M31 Ignition lock

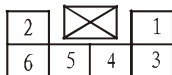


Stating and Charging System

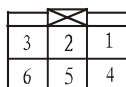
B-2



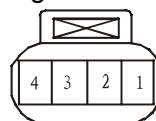
M26 Key insertion illumination



M25 Ignition lock



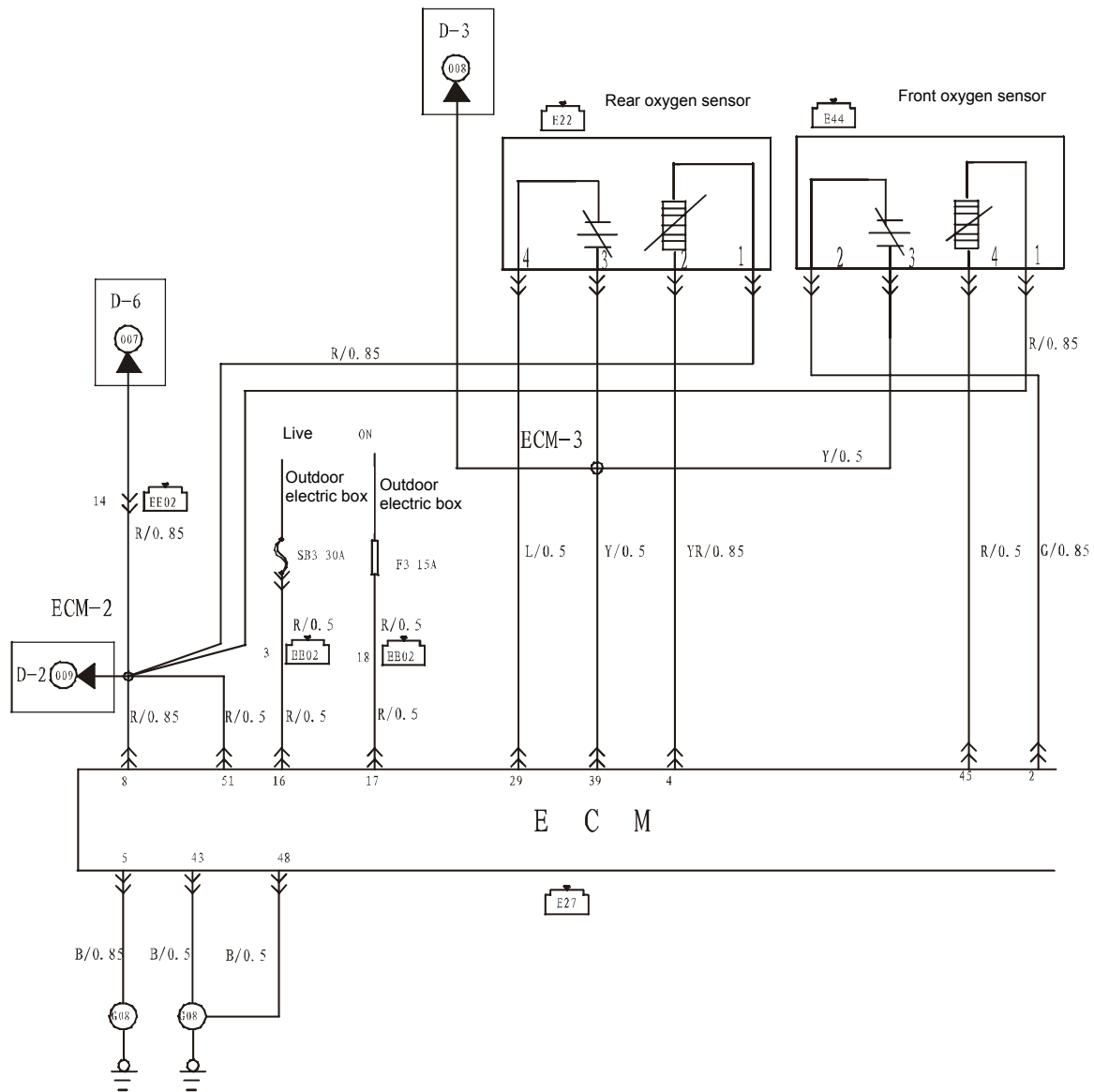
E20 Electric generator excitation



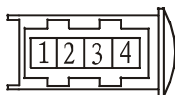
8

ECM System 1 of Engine - Front/Rear Oxygen Sensor

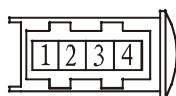
D-1



E44 Front oxygen sensor (white)



E22 Rear oxygen sensor (black)



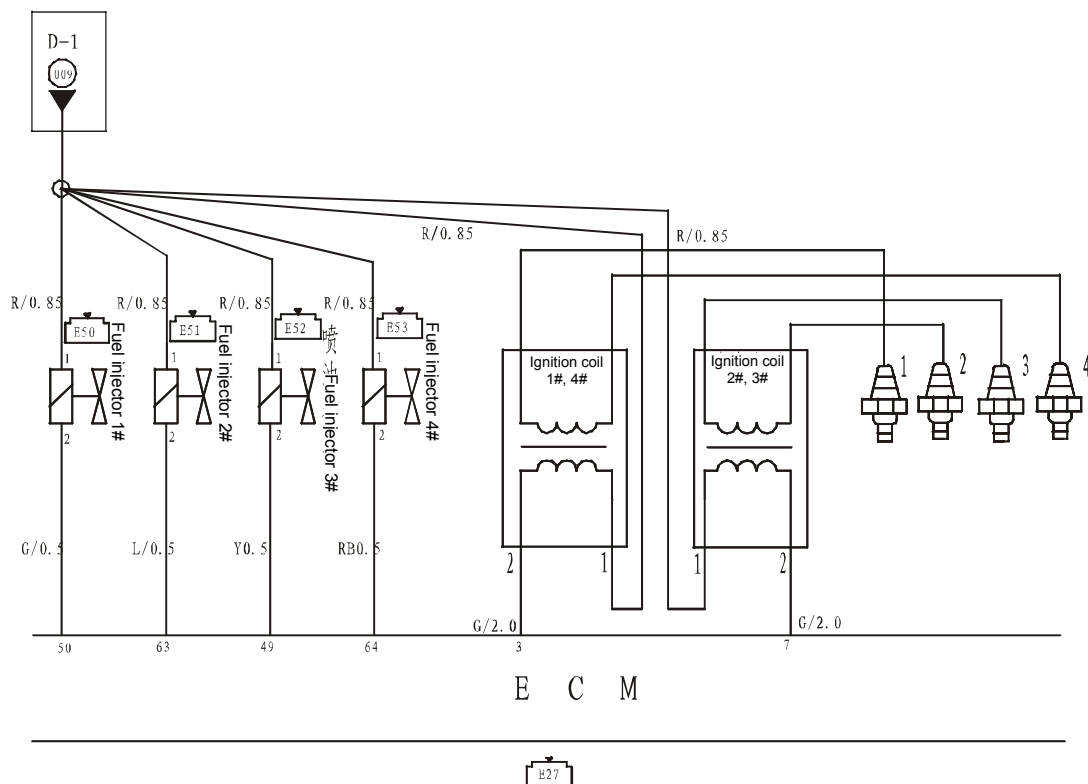
ECM

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

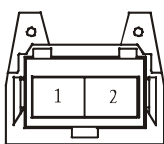
Pin
hole

ECM System 2 of Engine - Ignition Coil, Spray Nozzle

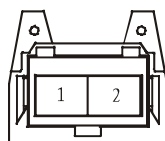
D-2

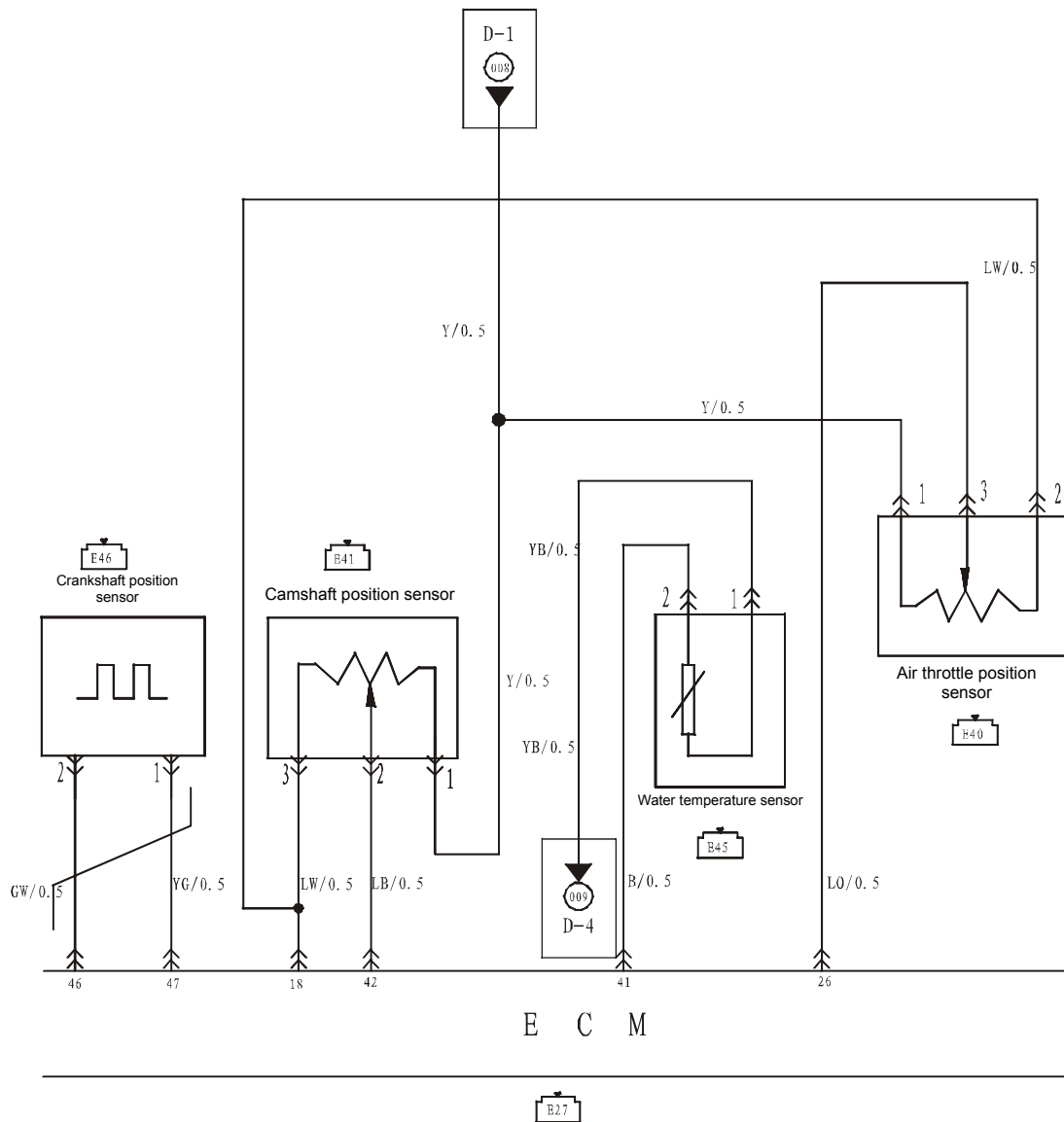
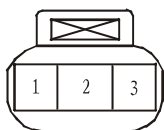
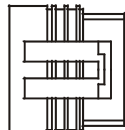
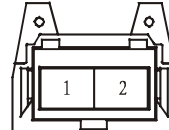
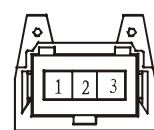


E34, E32 Ignition coil



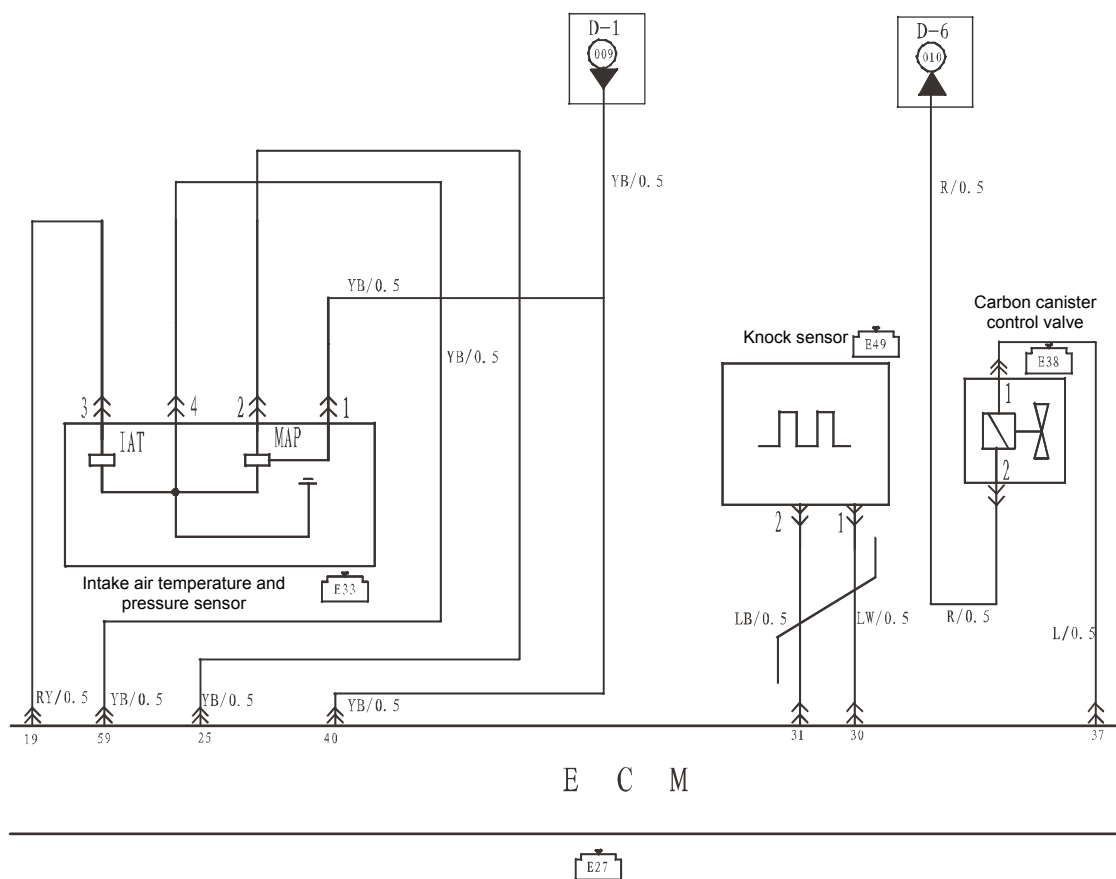
E50, E51, E52, E53 Spray nozzle



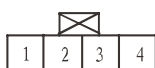
ECM System 3 of Engine - Air Throttle Position, Water Temperature, Crankshaft Position, Camshaft Position Sensors
D-3

E46 Crankshaft position sensor

E41 Camshaft position sensor

E45 Water temperature sensor

E40 Air throttle position sensor


ECM System 4 of Engine - Intake Air Pressure, Knock Sensor and Carbon Canister Control Valve

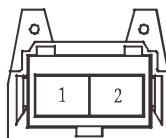
D-4



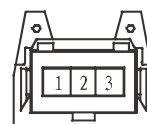
E33 Intake air pressure sensor



E38 Carbon canister control valve

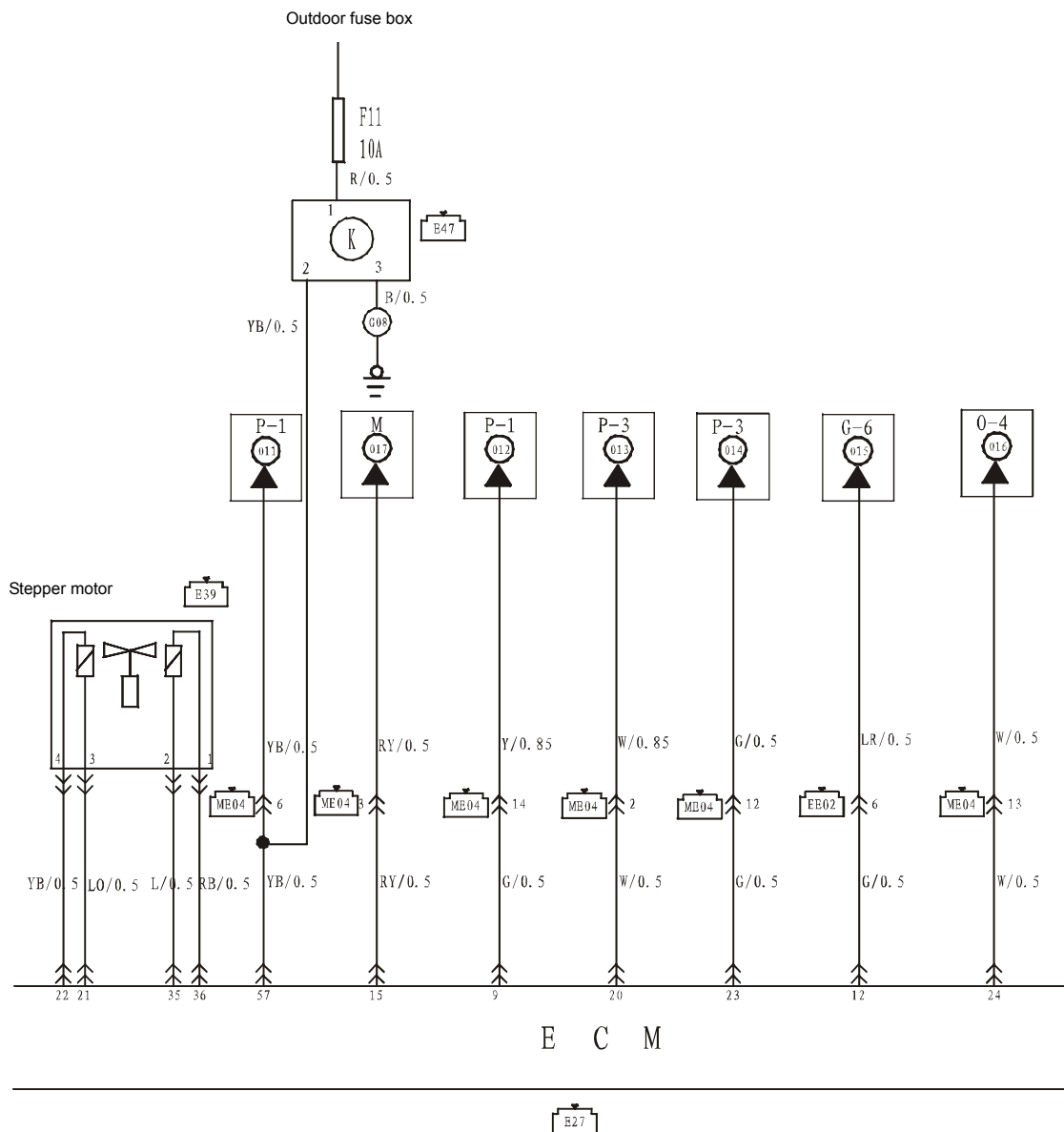


E49 Knock sensor

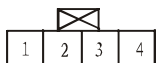


ECM System of Engine 5 - Stepper Motor

D-5



E39 Stepper motor



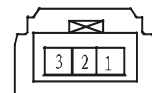
M18 Combination instrument B (black) M19 Combination instrument C



M17 Combination instrument A

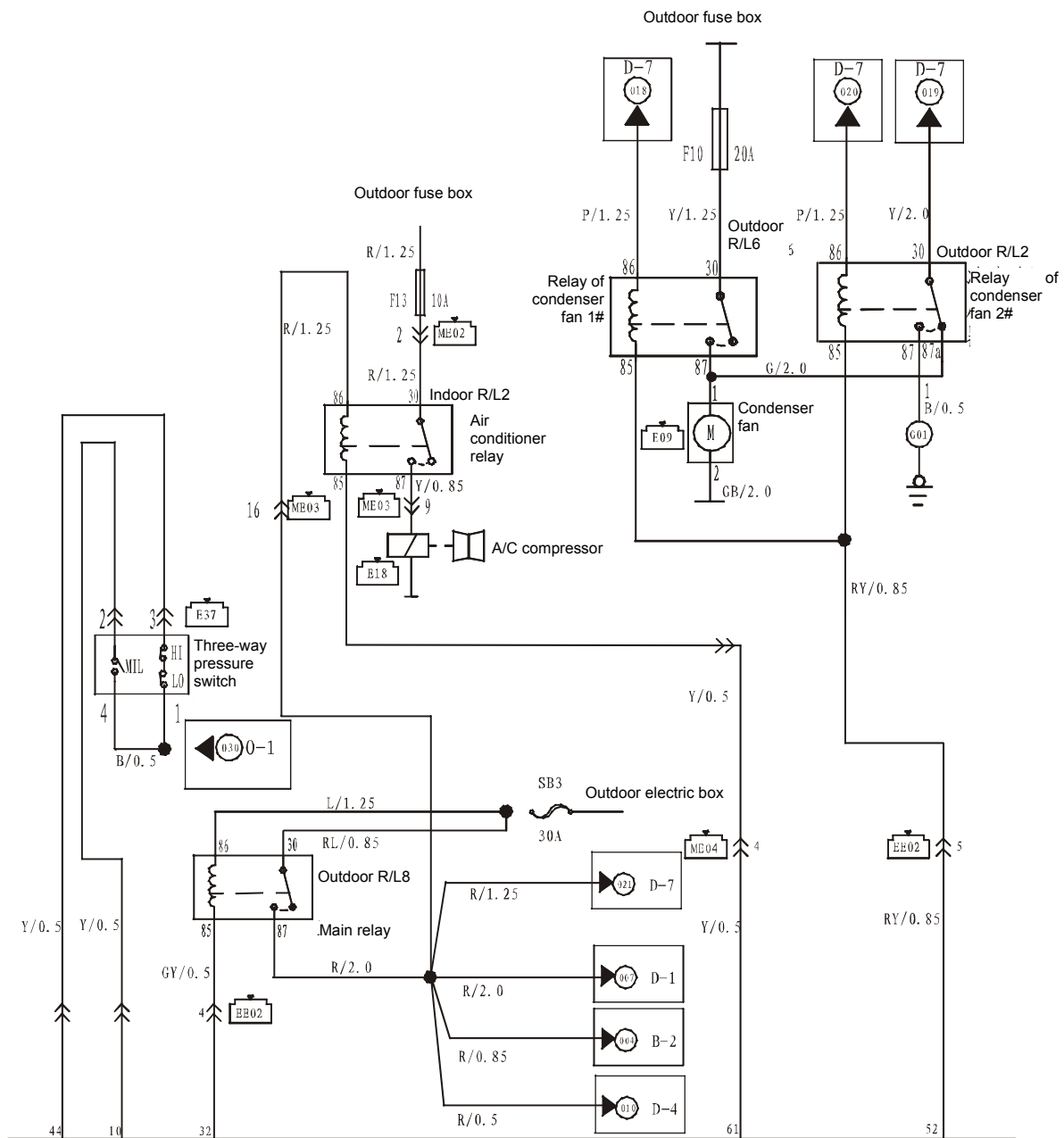


E47 Speed sensor

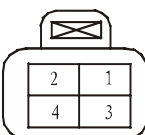
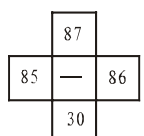
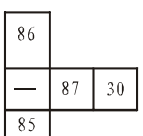
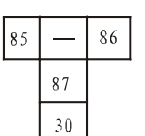
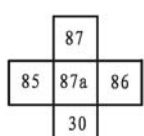


ECM System of Engine 6

D-6

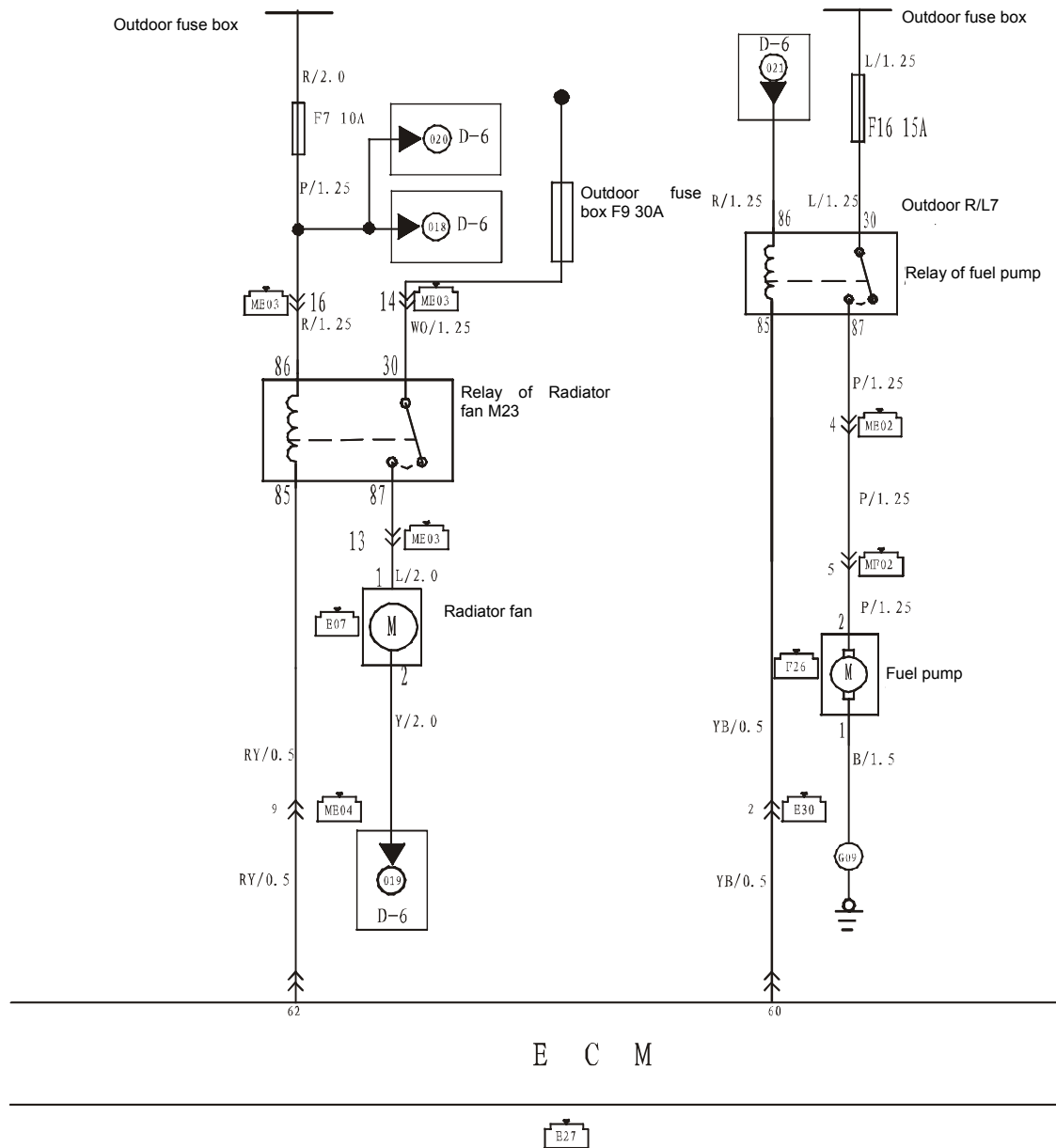


E C M

<p>E18 Connector of A/C compressor</p> <p>①</p>				
<p>E37 Three-way pressure switch</p> 	<p>Outdoor R/L8</p> 	<p>Indoor R/L2</p> 	<p>Indoor R/L6</p> 	<p>Outdoor R/L2</p> 

ECM System of Engine

D-7

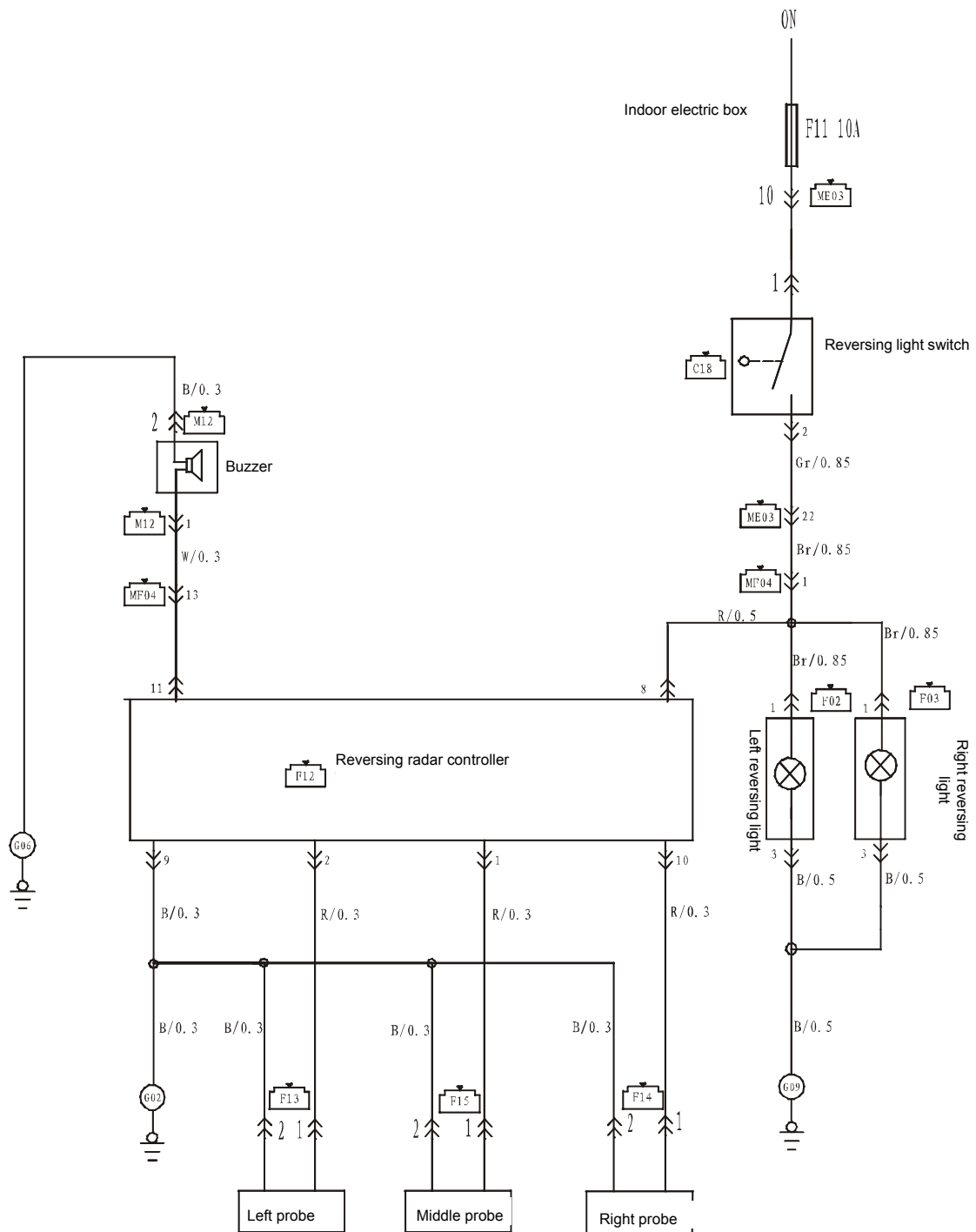


R/L7 Outdoor	M23 Relay of radiator fan (beside BCM controller)	E07 Radiator fan	E08 Condenser fan	F26 Fuel pump

ECM System of Engine		D-8
Index of element position		
Element code	Element name	
E44	Front oxygen sensor	
E22	Rear oxygen sensor	
E27	ECM	
E34, E32	Ignition coil	
E50, E51, E52, E53	Spray nozzle	
E46	Crankshaft position sensor	
E41	Camshaft position sensor	
E45	Water temperature sensor	
E40	Air throttle position sensor	
E33	Intake air pressure sensor	
E38	Carbon canister control valve	
E49	Knock sensor	
E39	Steeper motor	
M18	Combination instrument B	
M19	Combination instrument C	
M17	Combination instrument A	
M17	Speed sensor	
E37	Three-way pressure switch	
E07	Radiator fan	
E08	Condenser fan	
F26	Fuel pump	
Connector		
EE02		
ME02		
ME03		
Ground point		
08		
01		
09		

Reversing System

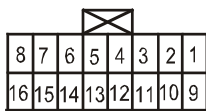
E-1



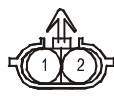
C18
Reversing
light switch



F12 Reversing
radar controller



F13 (Left) F14
(Right) F15
(Middle)



M12
Buzzer



F02 Left rear
combination
light



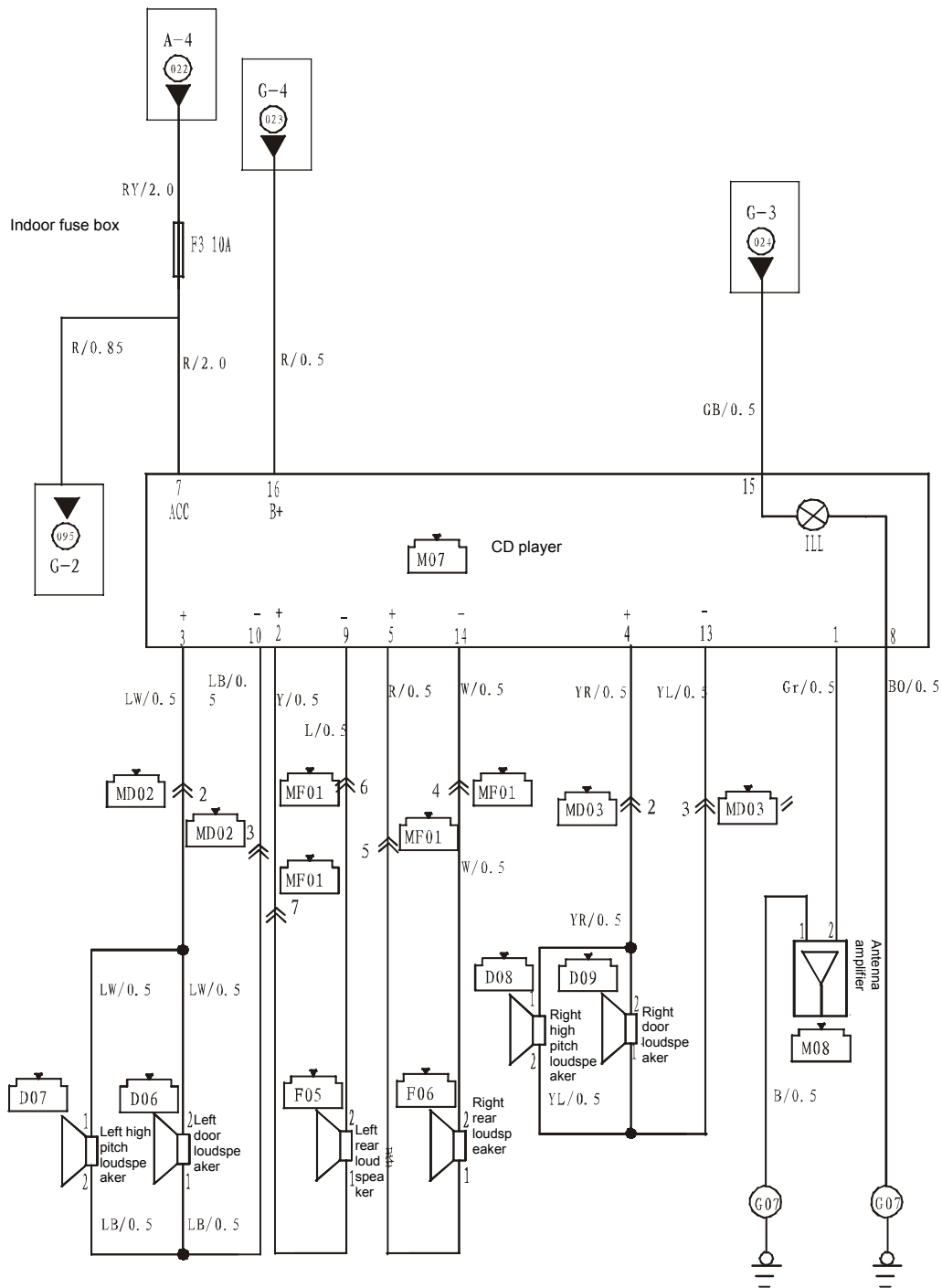
F03 Right rear
combination
light



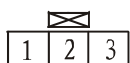
18

ACC Hi-fi

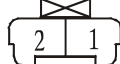
F-1



M08 Antenna amplifier



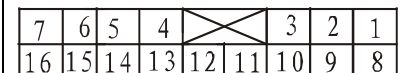
D06 Left door loudspeaker
D07 Left door high pitch loudspeaker
D08 Right door high pitch loudspeaker
D09 Right door loudspeaker



F5, F6 Rear loudspeaker



F07 CD player



ACC Hi-fi

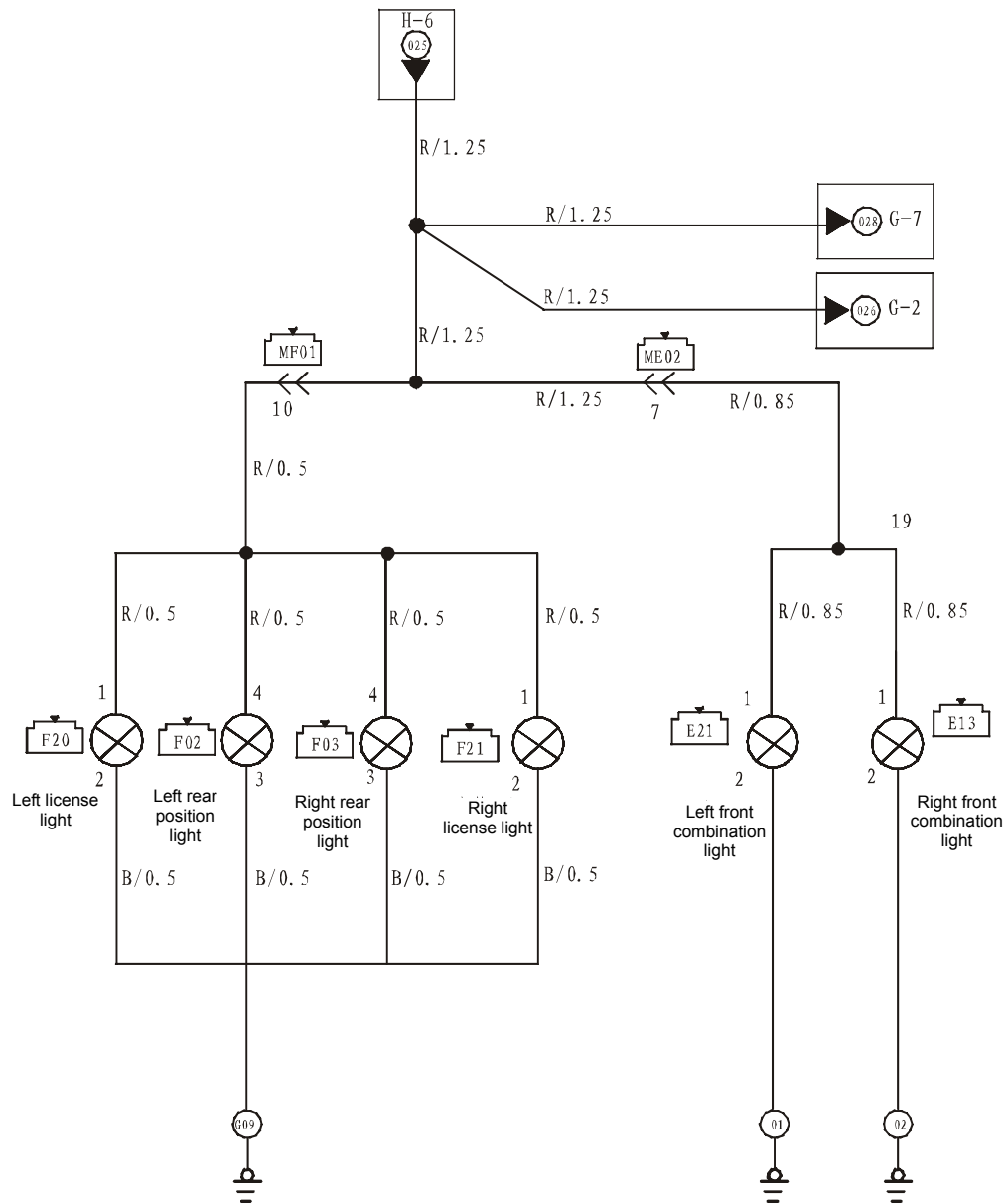
F-2

Index of element position

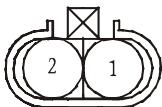
Element code	Element name
M08	Antenna amplifier
D6	Left door loudspeaker
D7	Left door high pitch loudspeaker
D8	Right door high pitch loudspeaker
D9	Right door loudspeaker
F05	Left rear loudspeaker
F06	Right rear loudspeaker
M28	CD player
Connector	
MF01	
MD02	
MD03	
Ground point	
07	

Light Illumination - Small Light

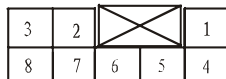
G-1



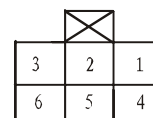
F20 Left rear license light
F21 Right rear license light

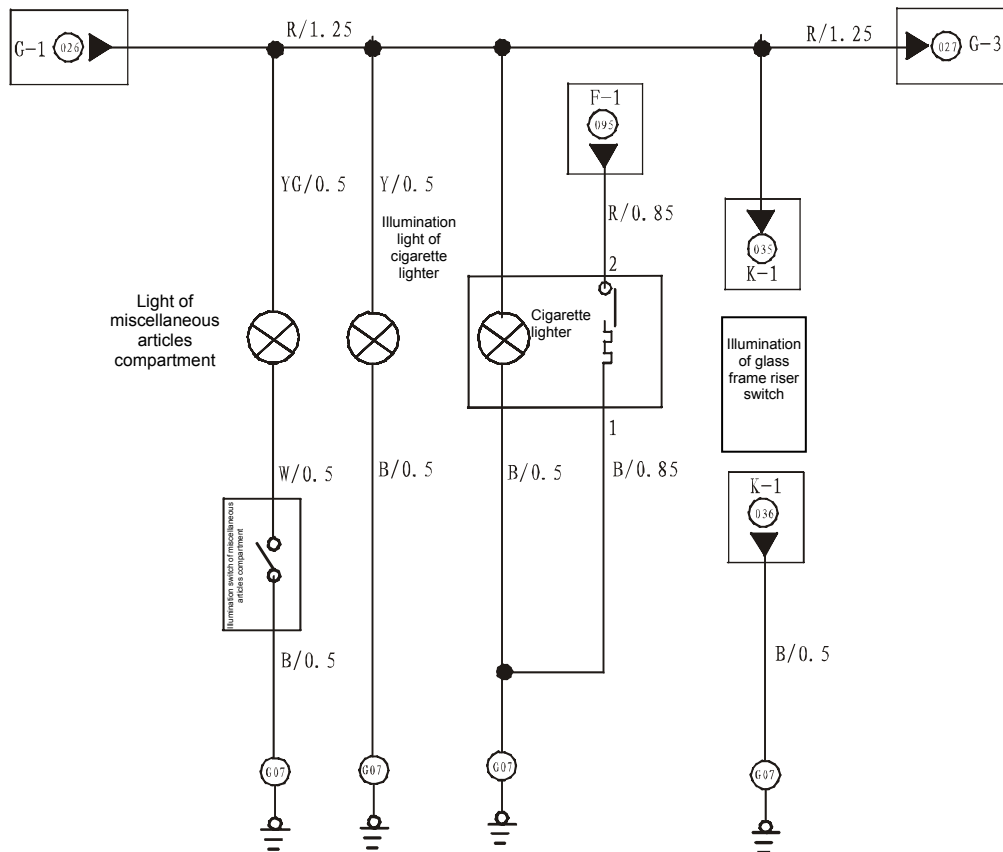


F02 Left rear combination light
F03 Right rear combination light



E21 Left front combination light
E13 Right front combination light

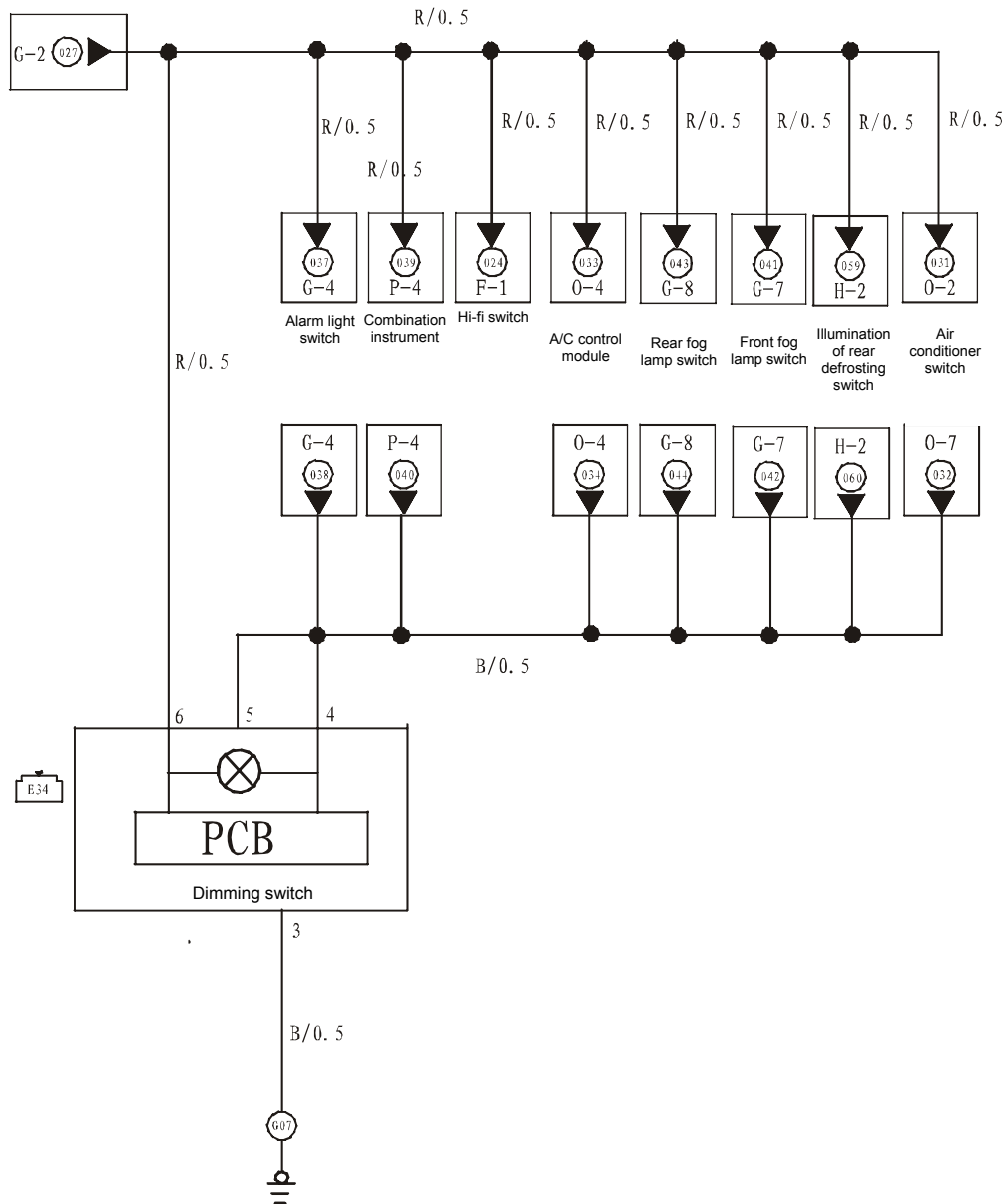
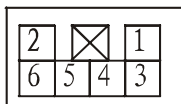


Light Illumination - Small Light
G-2


Note: Light switch of miscellaneous articles compartment, light of miscellaneous articles compartment and illumination light of cigarette lighter are connected by separate plugs.

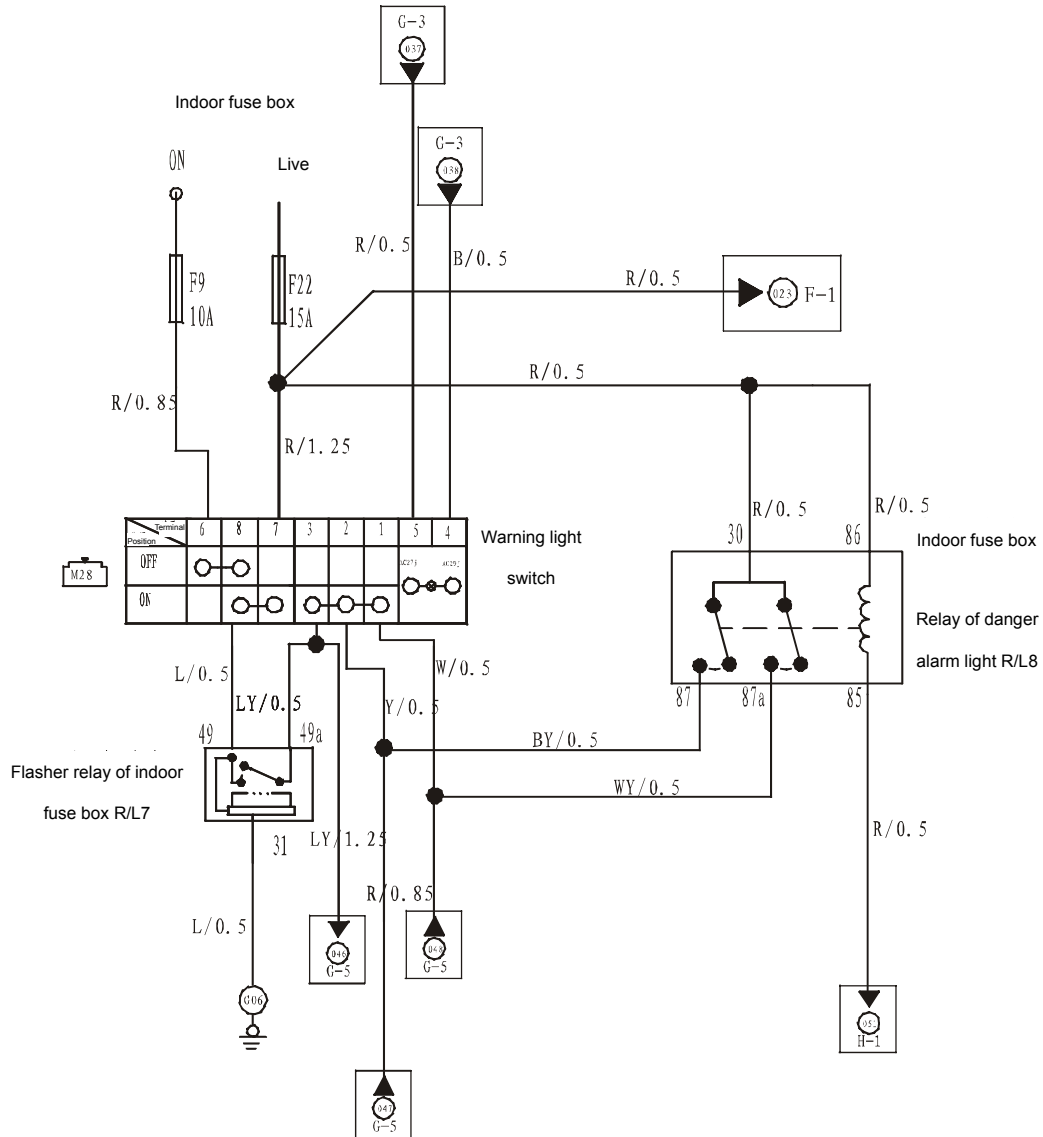
M01 Cigarette lighter



Light Illumination - Small Light
G-3

M34 Dimming switch


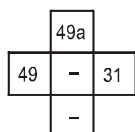
Light Illumination - Turn Light, Danger Alarm Light

G-4

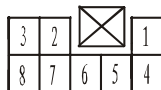


R/L7 Flasher relay

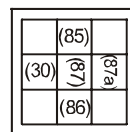
R/L7 Flasher relay
(black)



M28 Warning light
switch

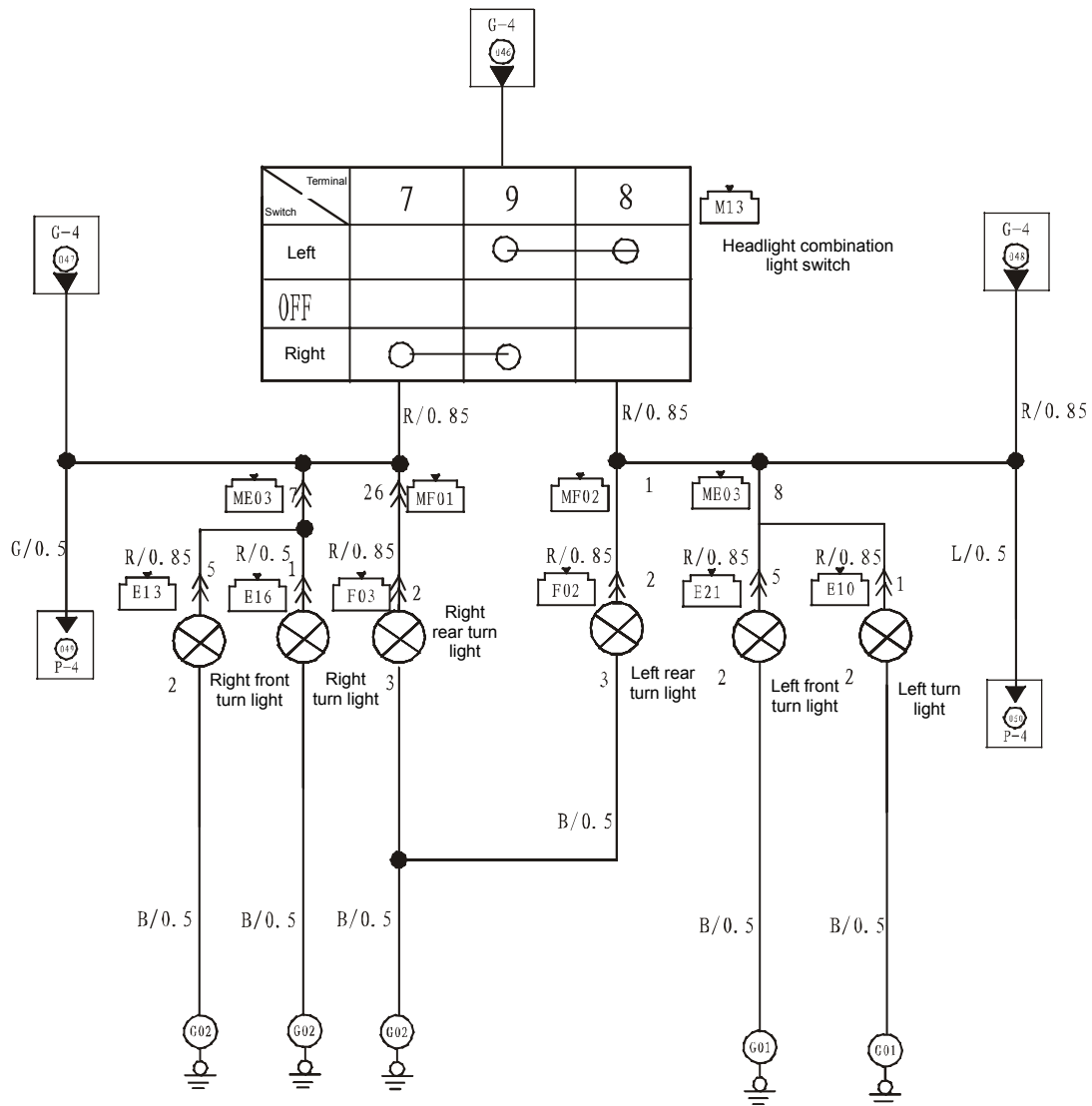


R/L8 Relay of danger
alarm light

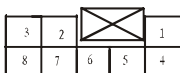


Light Illumination - Turn Light, Danger Alarm Light 2

G-5



F02 Left rear combination light
F03 Right rear combination light



E17 Left turn light



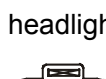
E16 Right turn light



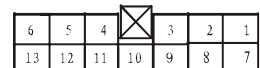
E21 Left headlight



E13 Right headlight

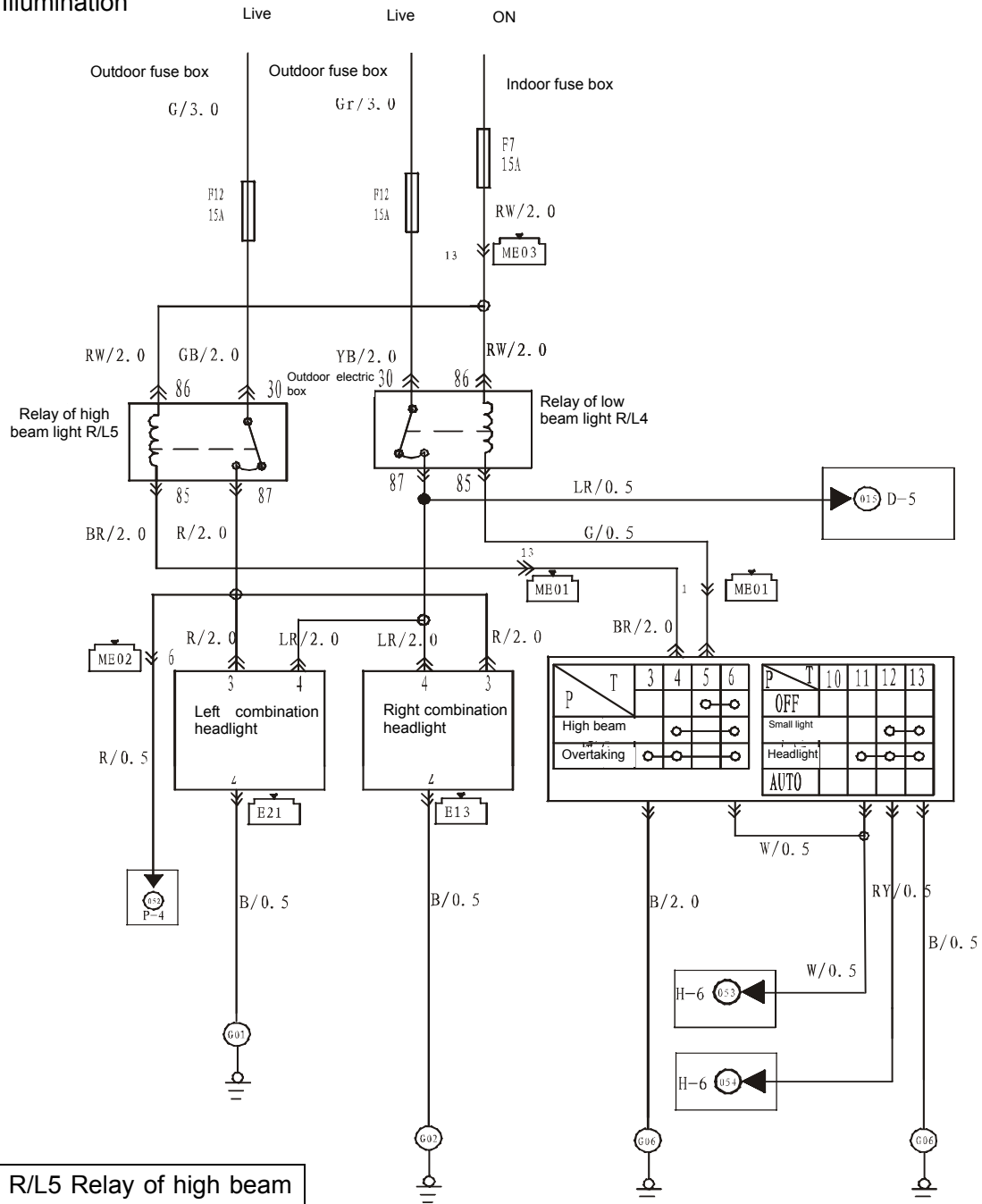


M13 Combination light switch

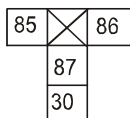


Light Illumination

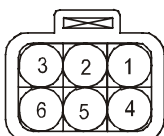
G-6



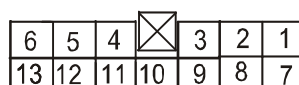
R/L4, R/L5 Relay of high beam light and low beam light



E21 Left combination headlight
E13 Right combination headlight

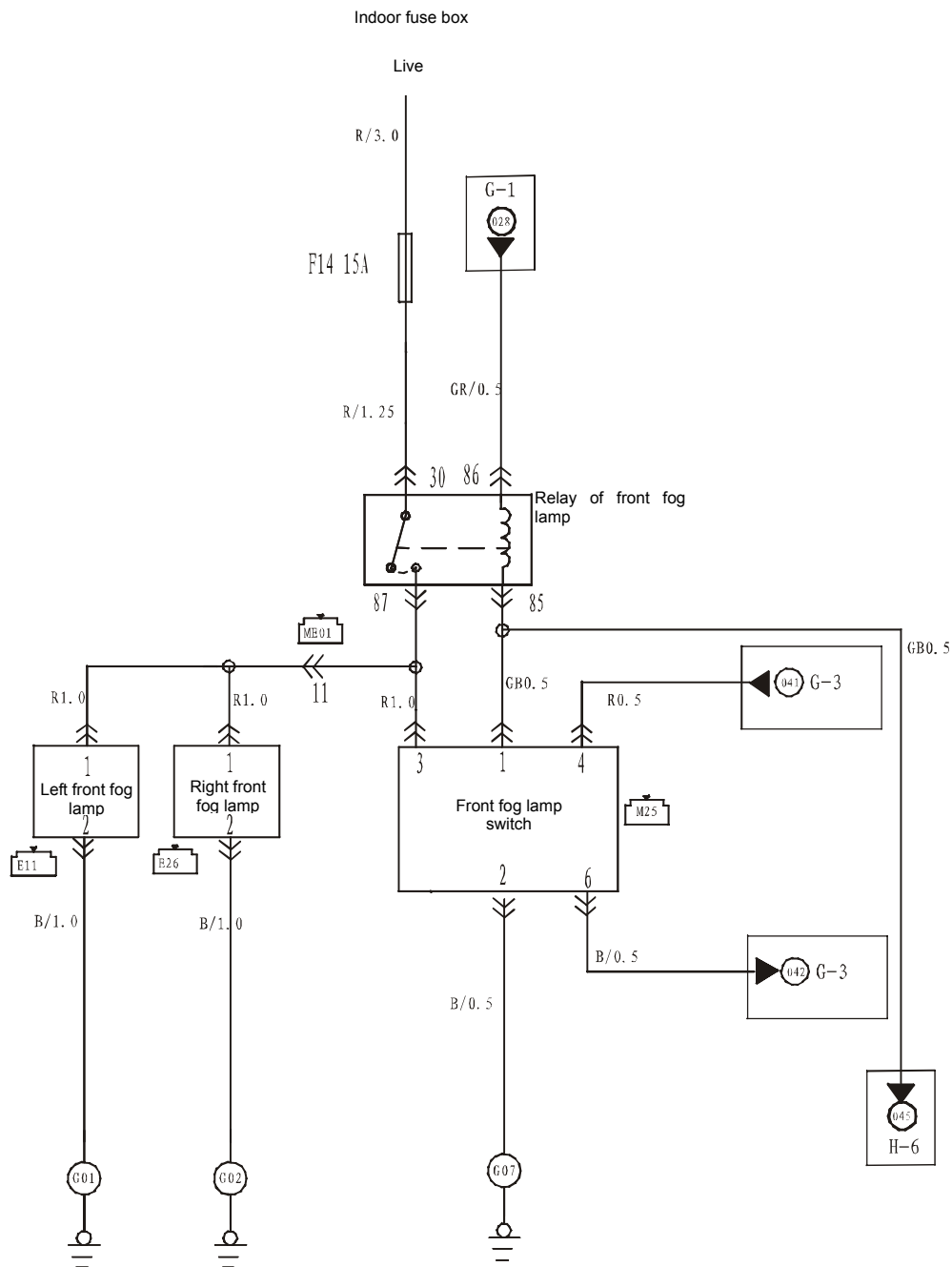
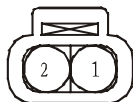
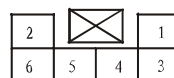


M13 Combination light switch



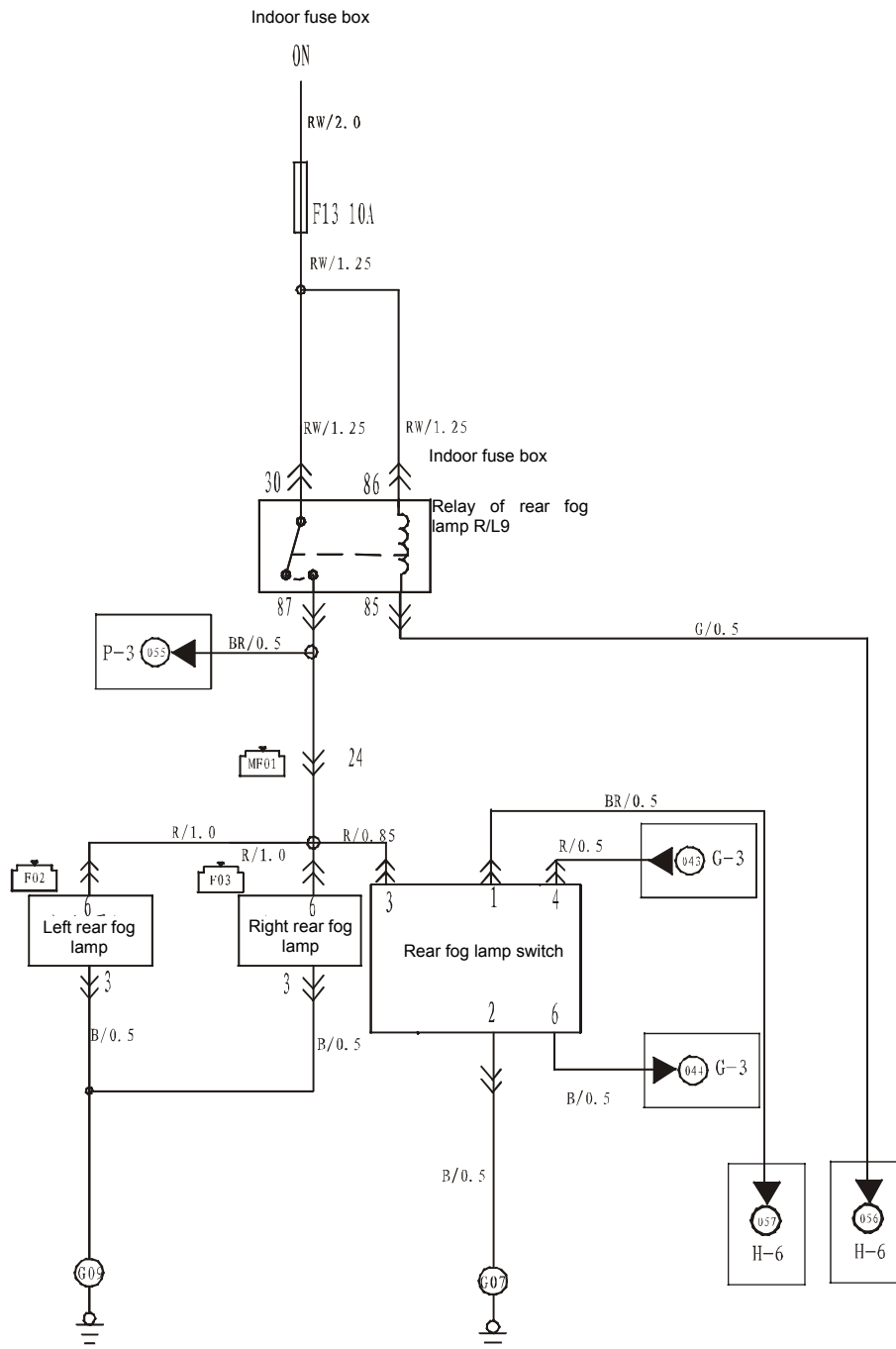
M18, M19 Combination instrument



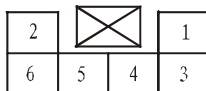
Light Illumination - Front Fog Lamp G-7

E11 Left front fog lamp
E26 Right front fog lamp

M25 Front fog lamp switch


Light Illumination - Rear Fog Lamp

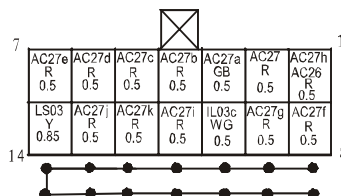
G-8



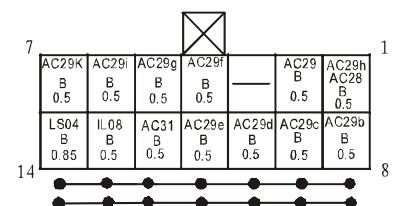
M14 Rear fog lamp switch
M03 Front fog lamp switch



Power supply of connector On the main harness

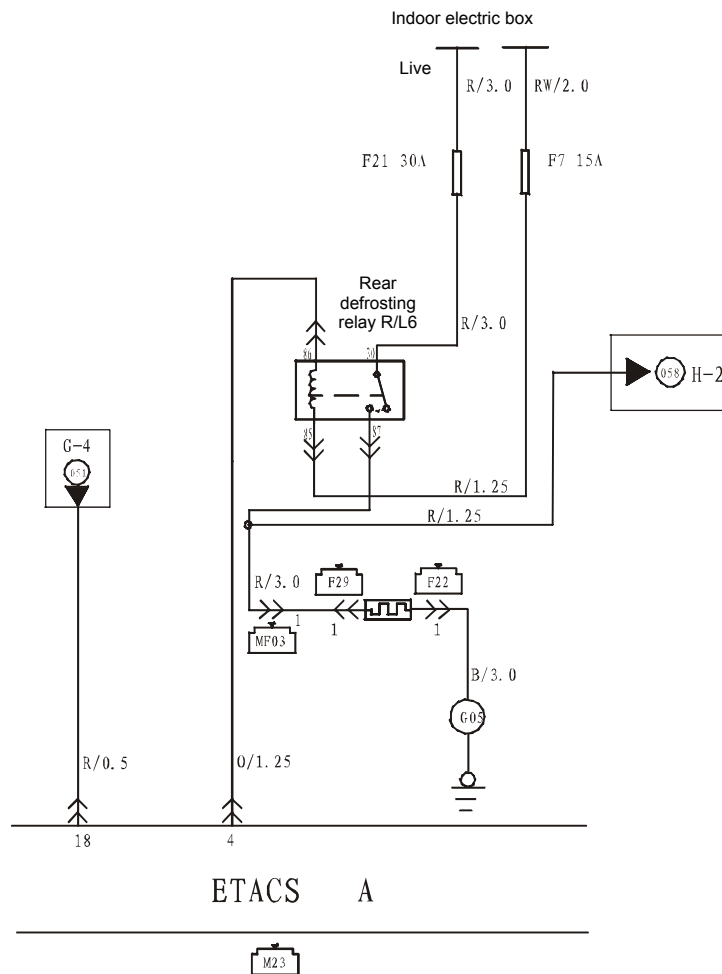


Connector grounded On the main harness

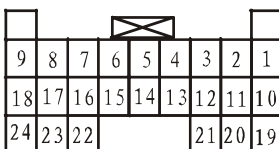


Light Illumination		G-9
Index of element position		
Element code	Element name	
F20	Left rear license light	
F21	Right rear license light	
F02	Left rear combination light	
F03	Right rear combination light	
E21	Left front combination light	
E13	Right front combination light	
M01	Cigarette lighter	
M34	Dimming switch	
M28	Warning light switch	
E17	Left turn light	
E16	Right turn light	
M13	Combination light switch	
M18, M19	Combination instrument	
E11	Left front fog lamp	
E26	Right front fog lamp	
E25	Front fog lamp switch	
M14	Rear fog lamp switch	
Connector		
MF01		
MF02		
ME03		
ME01		
ME02		
Ground point		
09		
02		
01		
07		
06		

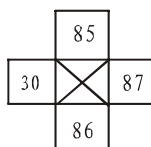
BCM System - Rear Defrosting Relay H-1



M23 ETACS A white



R/L6 Rear defrosting relay



F29 Power supply end of rear windscreen heating

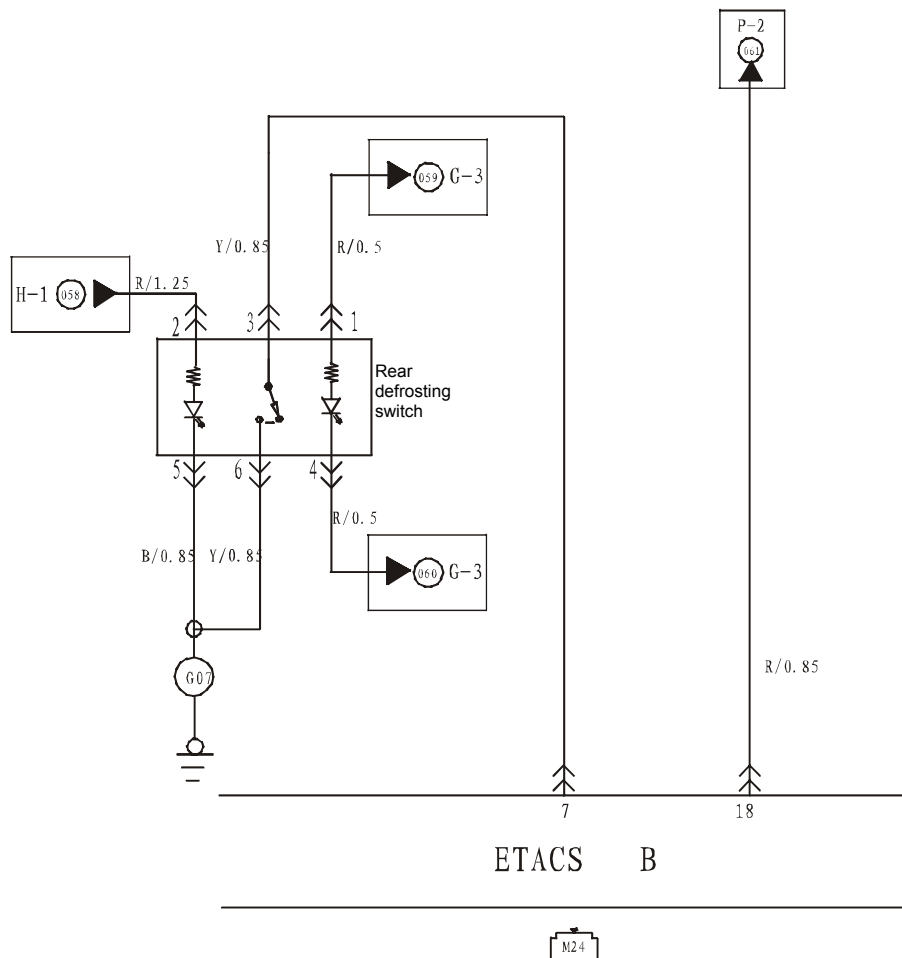


F22 Ground end of rear windscreen heating



BCM System - Rear Defrosting Switch

H-2



M24 ETACS B grey

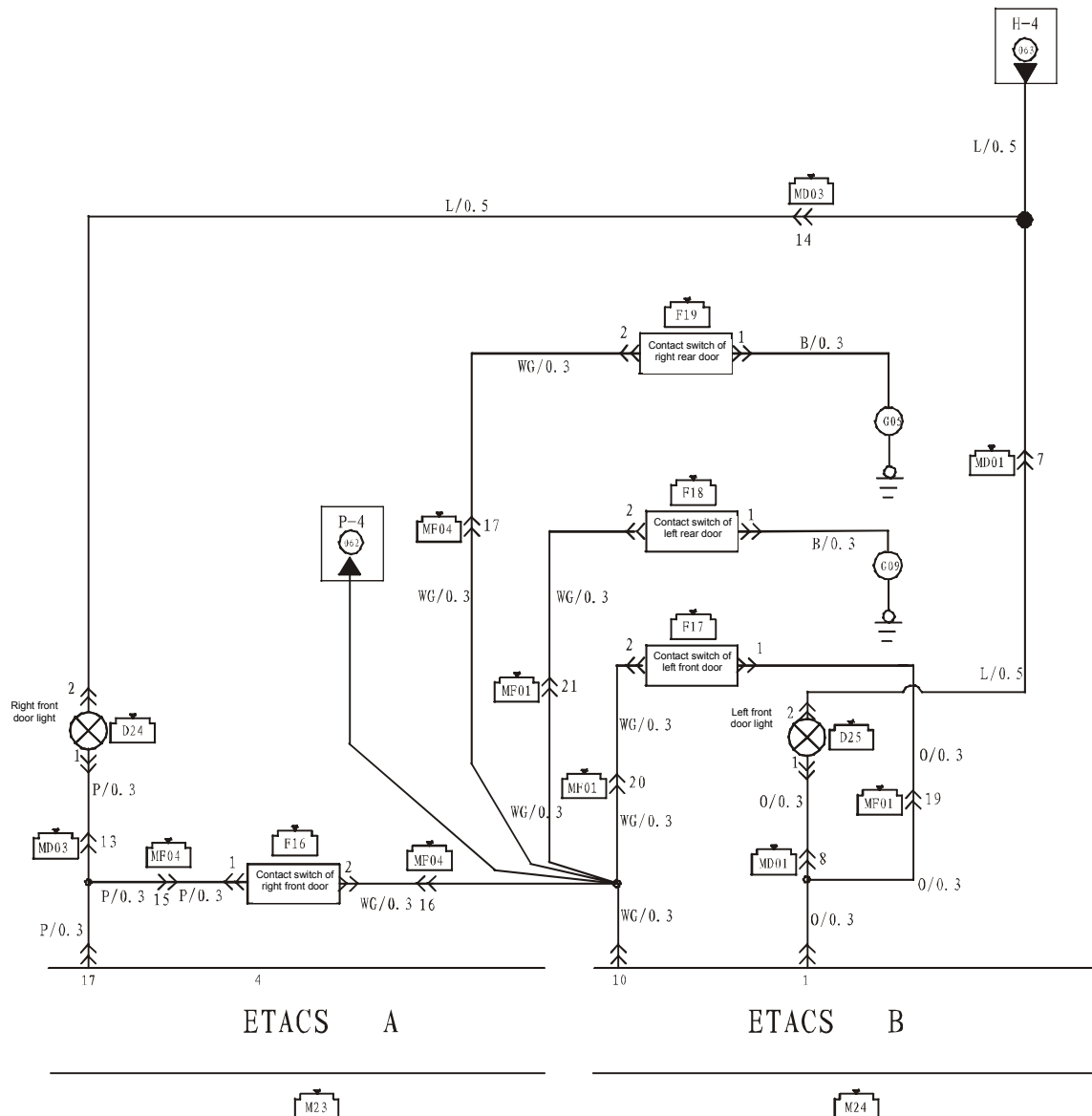
9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
24	23	22				21	20	19

M11 Rear defrosting switch (grey)

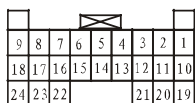
2		1
6	5	4

BCM System - Door Light and Door Light Switch

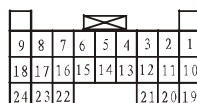
H-3



M23 ETACS A white



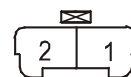
M24 ETACS B grey



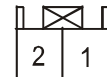
M18 Instrument B



D25 Left front door light
D24 Right front door light

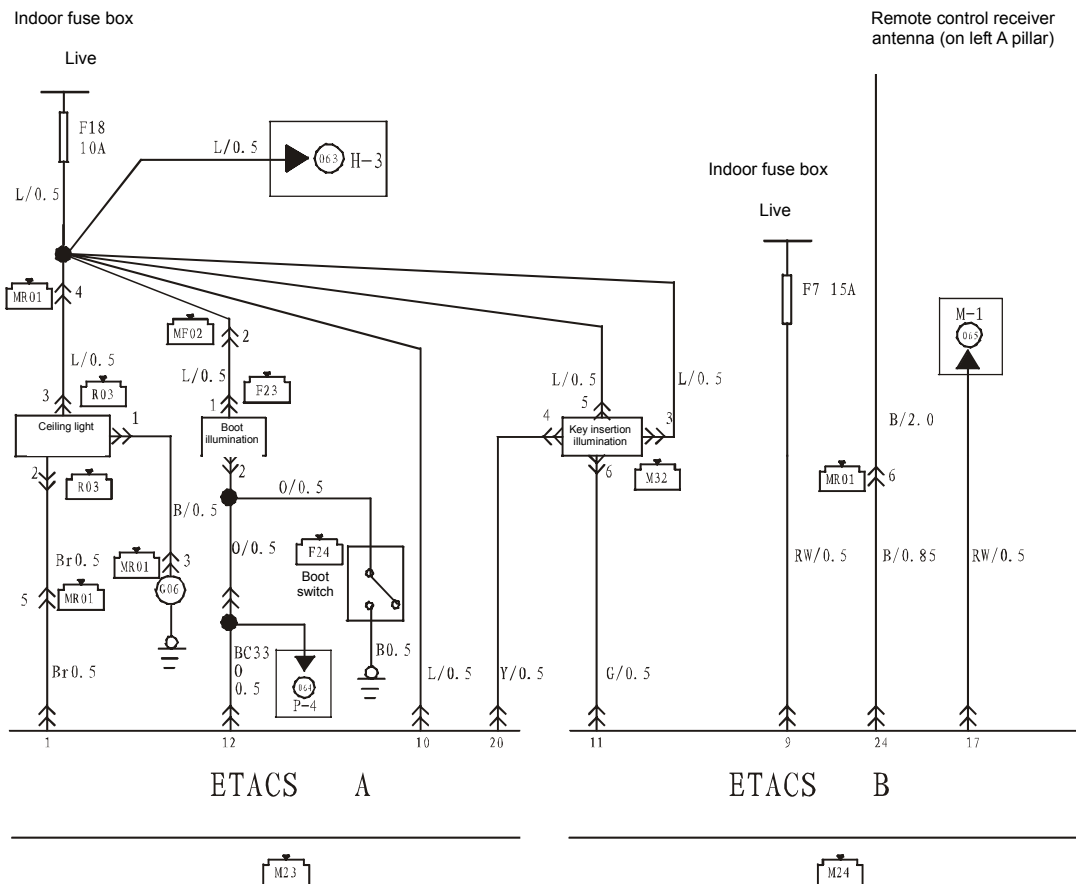


F16 Contact switch of right front door
F17 Contact switch of left front door
F18 Contact switch of left rear door
F19 Contact switch of right rear door



BCM System - Ceiling Light, Key Insertion Illumination, Boot Illumination

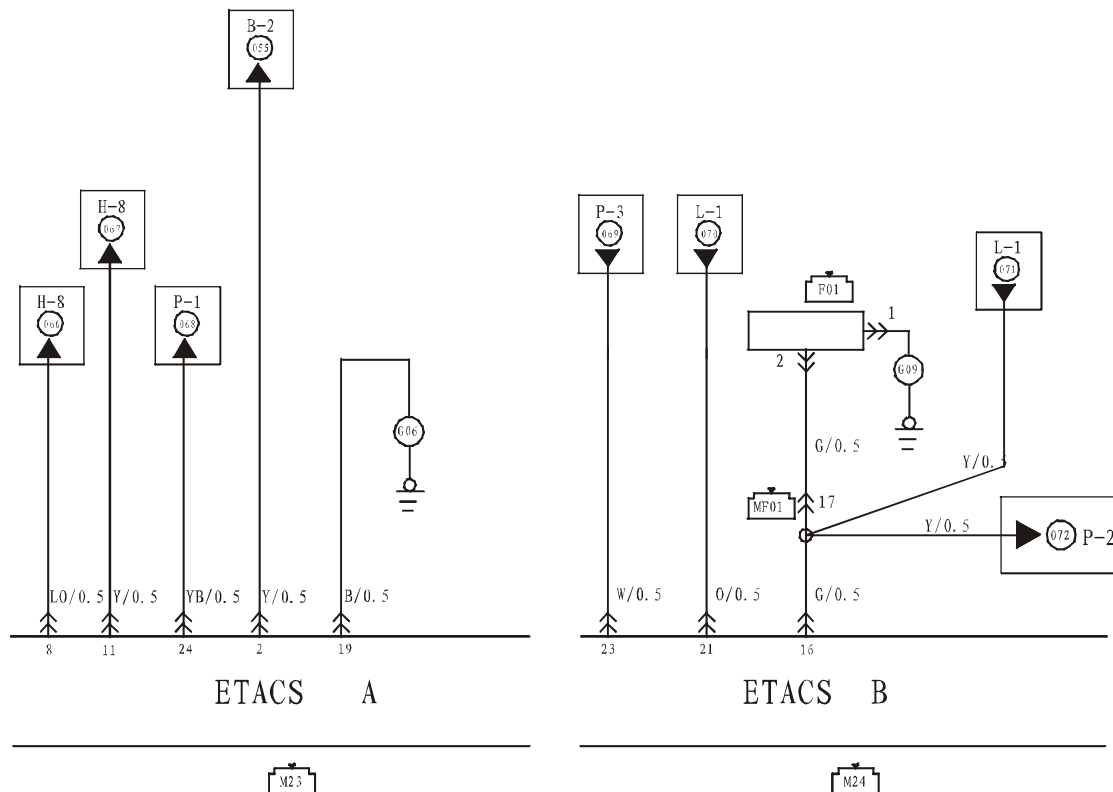
H-4



M23 ETACS A white	M24 ETACS B grey	F24 Boot switch	MR01 Connector of main harness and ceiling harness	F23 Boot illumination	R03 Ceiling light	M32 Key insertion illumination

BCM System - Anti-theft Relay, Mortise Lock of Safety Belt

H-5



M23 ETACS A white

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
24	23	22				21	20	19

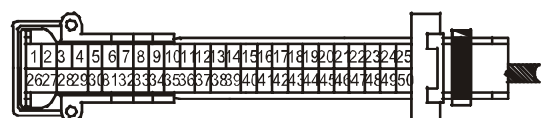
M24 ETACS B grey

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
24	23	22				21	20	19

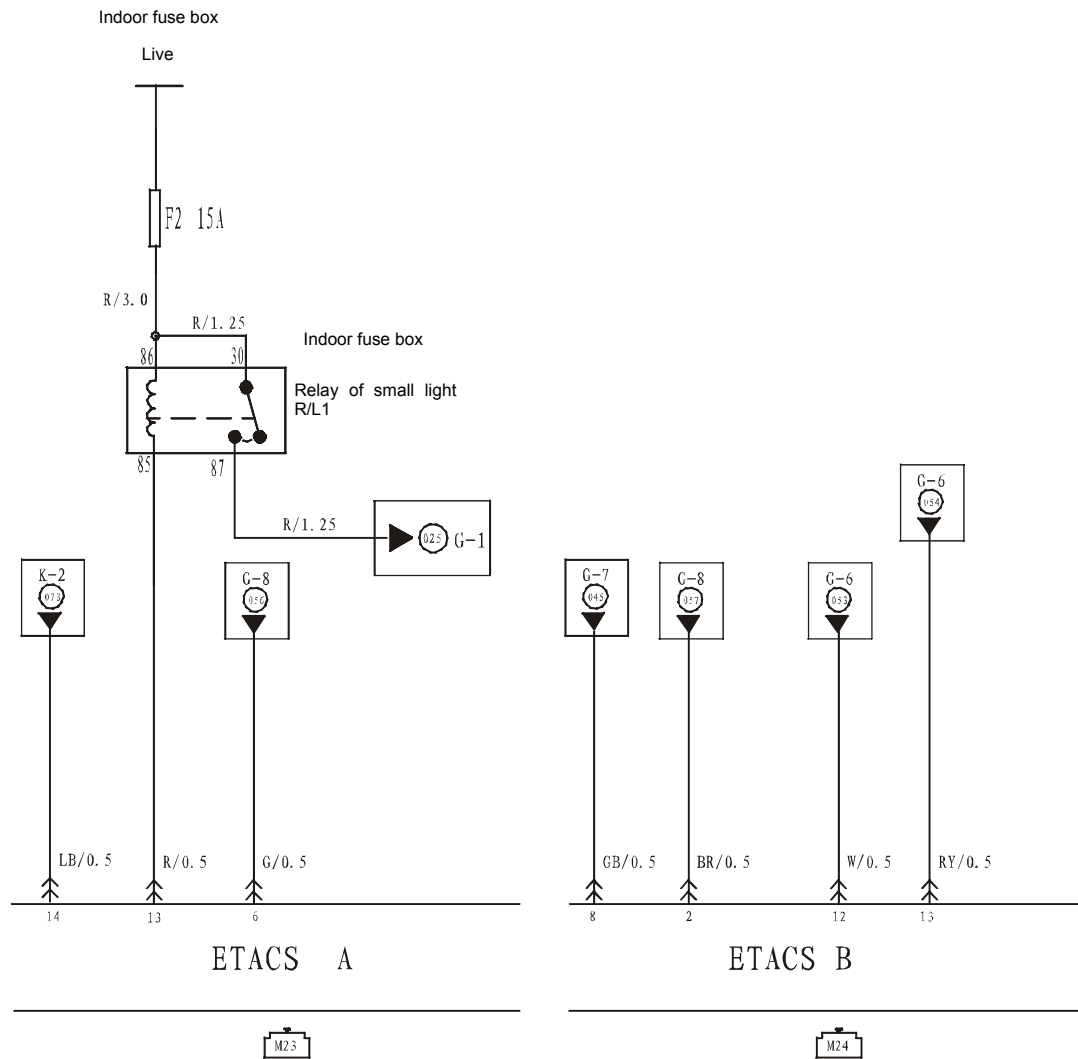
F01 Lock of safety belt

2	1
---	---

A01 Airbag ECU



BCM System - Relay of Small Light H-6




M23 ETACS A white
M24 ETACS B grey

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
24	23	22				21	20	19

Relay of rear fog lamp

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

M14 Rear fog lamp
switch

2			1
6	5	4	3

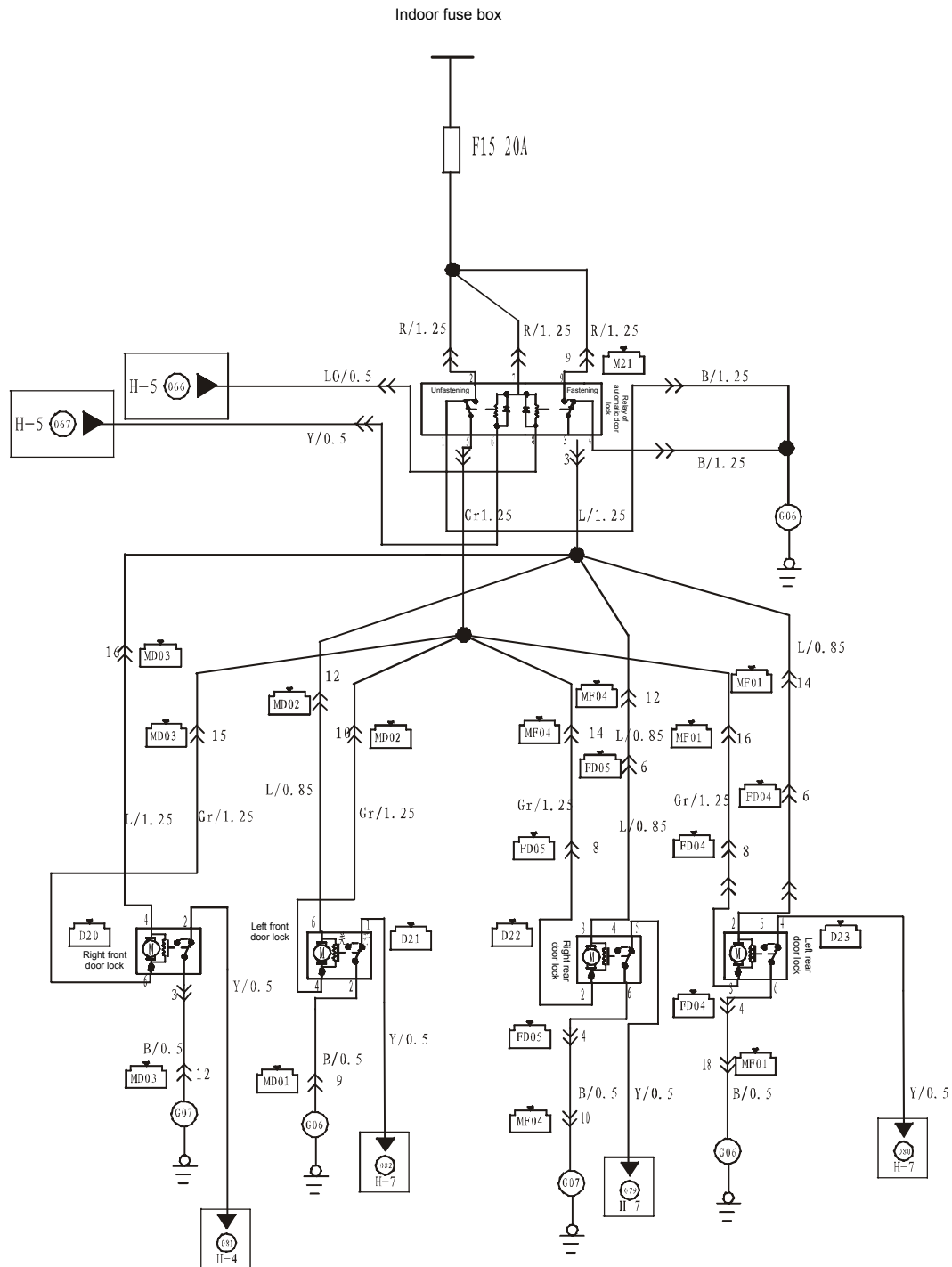
M21 Combination
light switch

6	5	4		3	2	1
13	12	11	10	9	8	7

H-7

M05 Wiper
washing switch

BCM System of Engine - Fastener System H-8



M23 ETACS A (white)

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
24	23	22				21	20	19

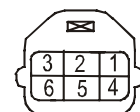
M24 ETACS B (grey)

9	8	7	6	5	4	3	2	1
18	17	16	15	14	13	12	11	10
24	23	22				21	20	19

M21 Relay of automatic door

4	3		2	1
9	8	7	6	5

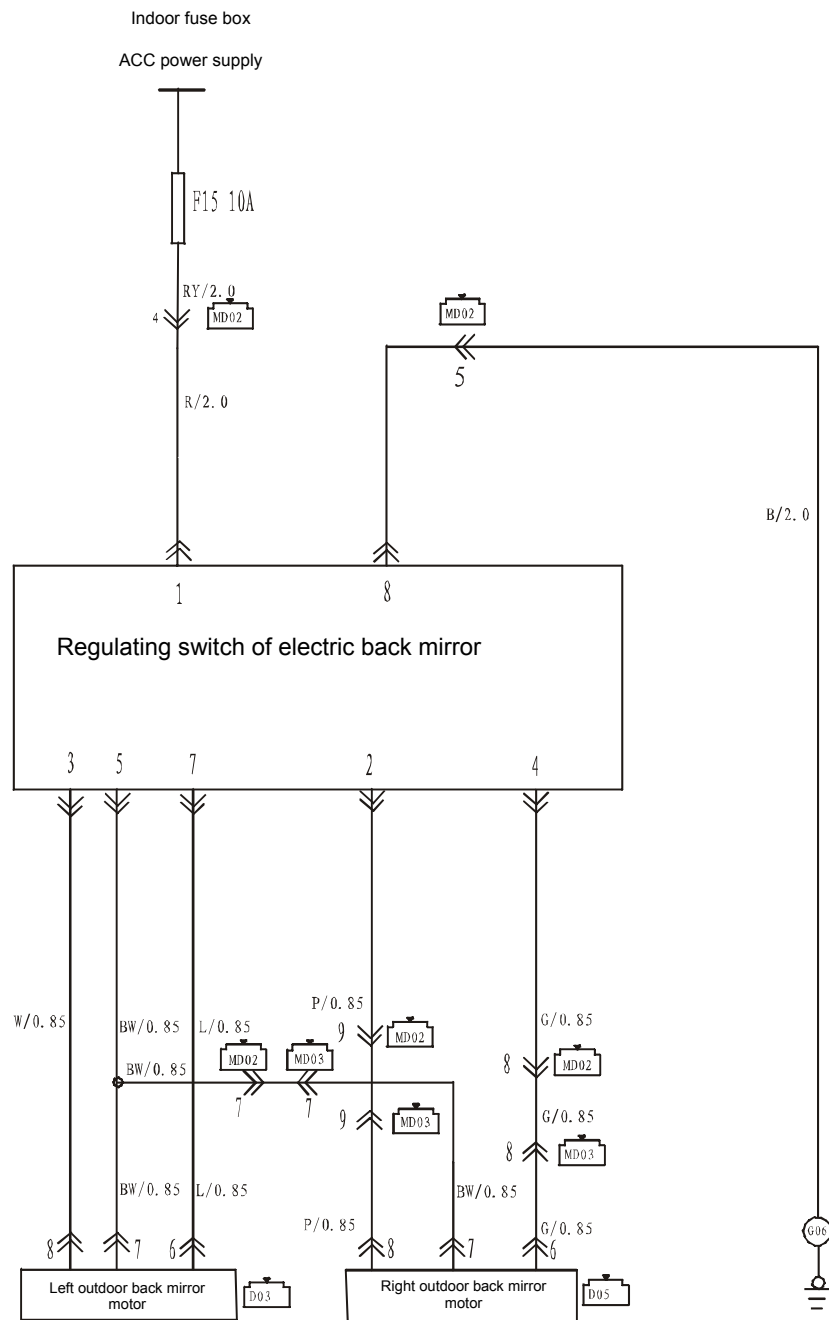
D20, D21, D22, D23 Fastener



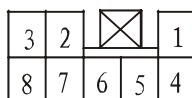
BCM System		H-9
Index of element position		
Element code	Element name	
M23	ETACS A (white)	
F29	Power supply end of rear windscreen heating	
F22	Ground end of rear windscreen heating	
M24	ETACS B (grey)	
M11	Rear defrosting switch (yellow)	
M18	Instrument B	
D25	Left front door light	
D24	Right front door light	
F16	Contact switch of right front door	
F17	Contact switch of left front door	
F18	Contact switch of left rear door	
F19	Contact switch of right rear door	
F24	Boot switch	
F23	Boot illumination	
R03	Ceiling light	
M32	Key insertion illumination	
F01	Lock of safety belt	
A01	Airbag ECU	
M14	Rear fog lamp switch	
M21	Combination light switch	
M05	Wiper washing switch	
M21	Lock of safety belt	
D21, D22, D23, D24	Fastener	
Connector		
MF01		
MF02		
ME03		
ME01		
ME02		
Ground point		
09		
02		
01		
07		
06		

Electric Back Mirror System

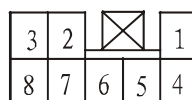
I-1



D03 Left back mirror motor
D05 Right back mirror motor



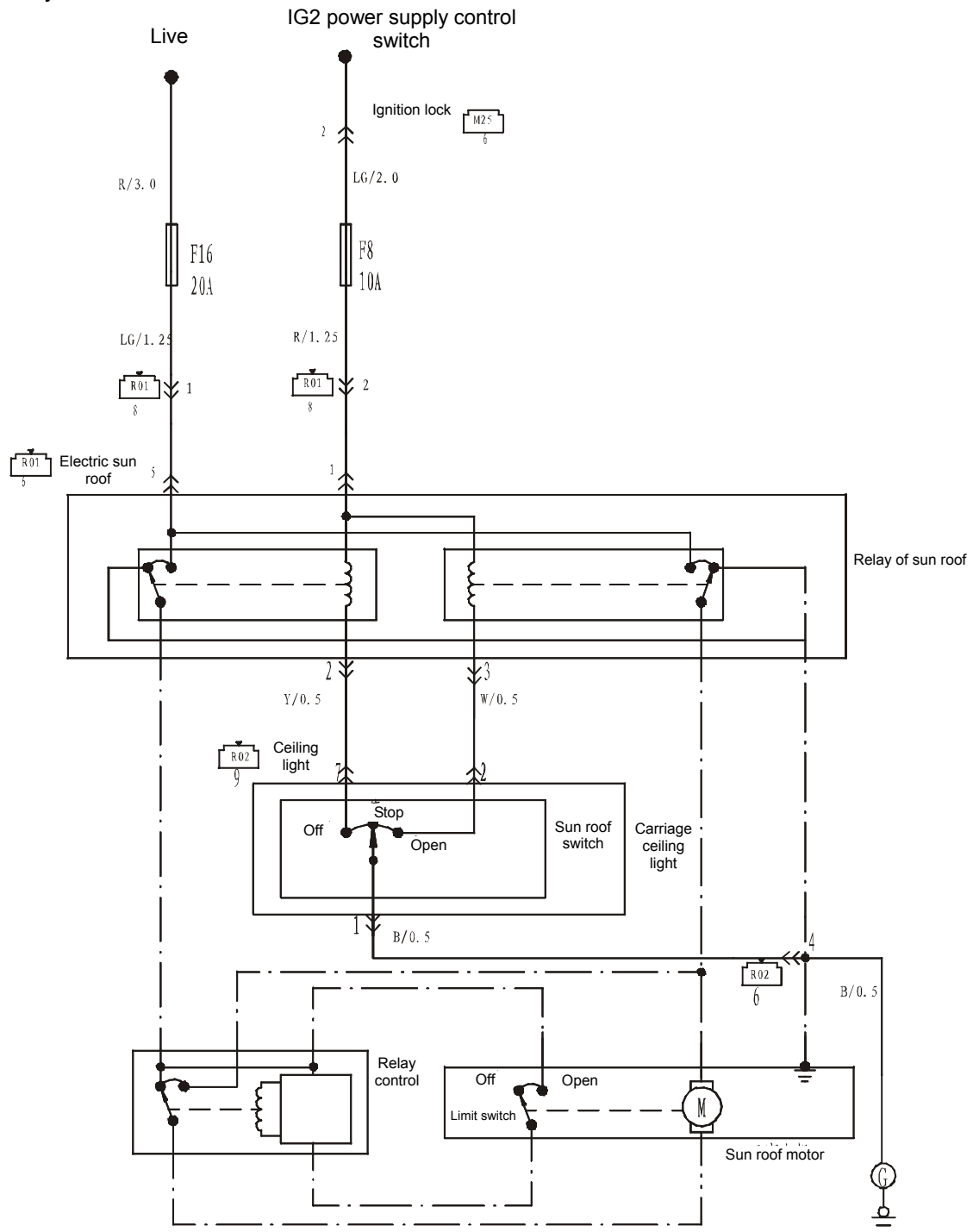
D02 Regulating switch of back mirror



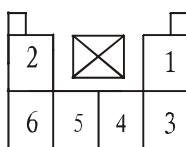
Electric Back Mirror System		I-2
Index of element position		
Element code		Element name
D3		Left back mirror motor
D5		Right back mirror motor
D2		Regulating switch of back mirror
Connector		
MD02		
MD03		
Ground point		
06		

Sun Roof System

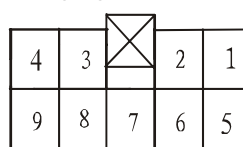
J-1



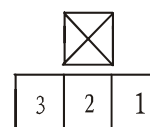
R01 Sun roof switch



R02 Ceiling light (with sun roof)



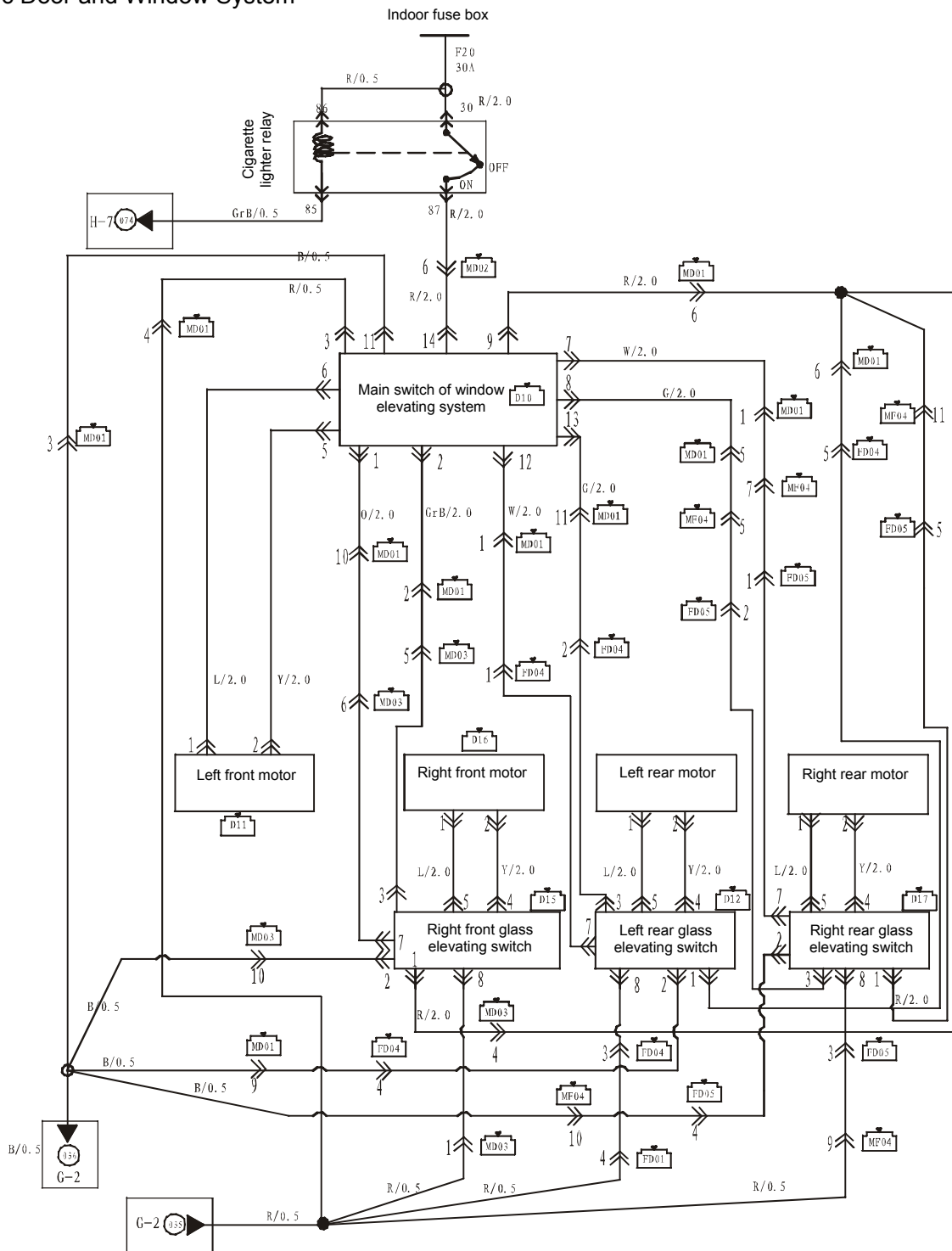
R03 Ceiling light (without sun roof)



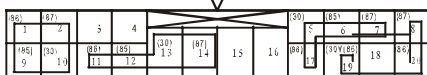
Sun Roof System		J-2
Index of element position		
Element code	Element name	
R01	Sun roof switch	
R02	Ceiling light (with sun roof)	
R03	Ceiling light (without sun roof)	
Ground point		
G		

Electric Door and Window System

K-1



Relay of electric door and widow

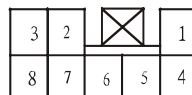


Relay of front fog lamp

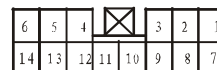
Blower relay

Relay of rear fog lamp

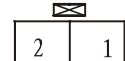
D15 Glass elevating switch of right front door
D12 Glass elevating switch of left rear door
D17 Glass elevating switch of right rear door

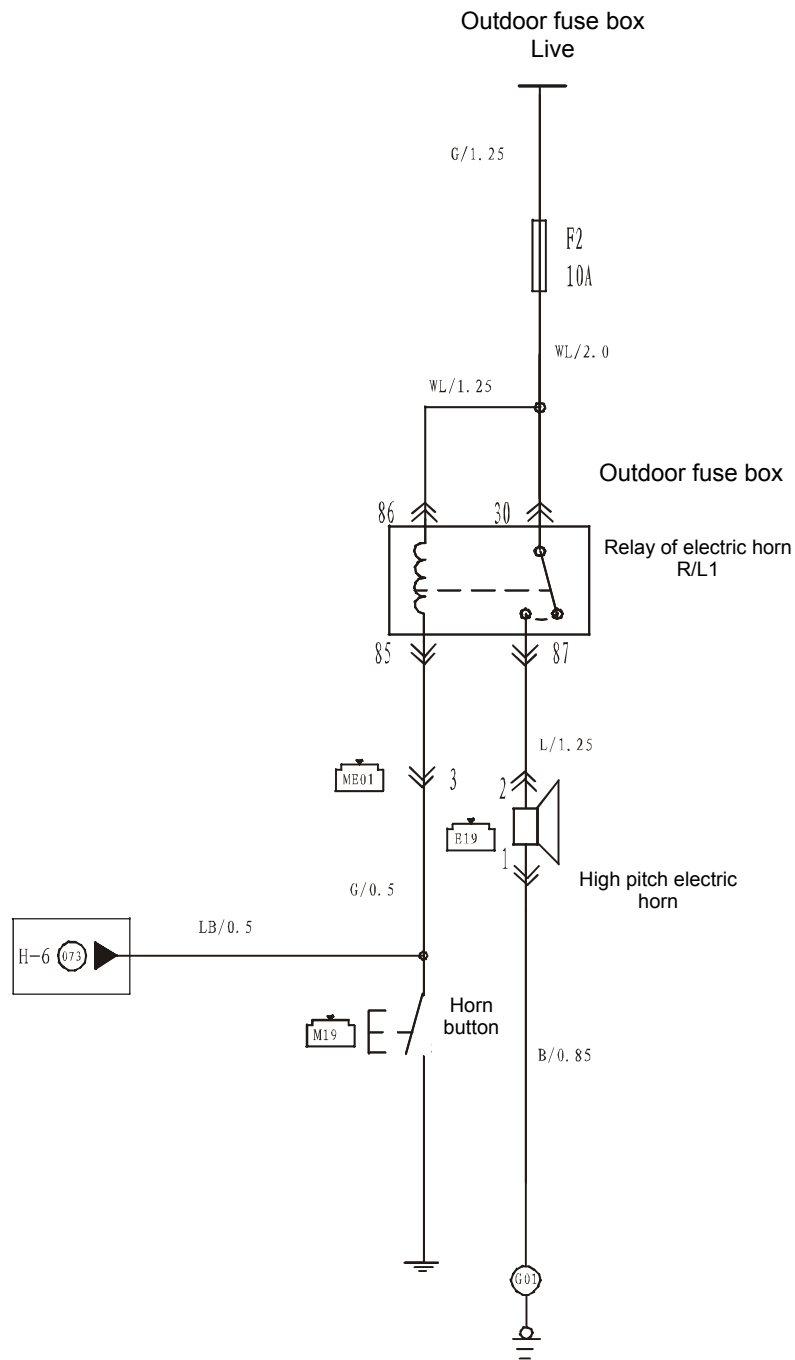


D10 Main switch of window elevating system

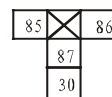


D11 Left front glass elevating motor
D16 Right front glass elevating motor
D13 Left rear glass elevating motor
D18 Right rear glass elevating motor



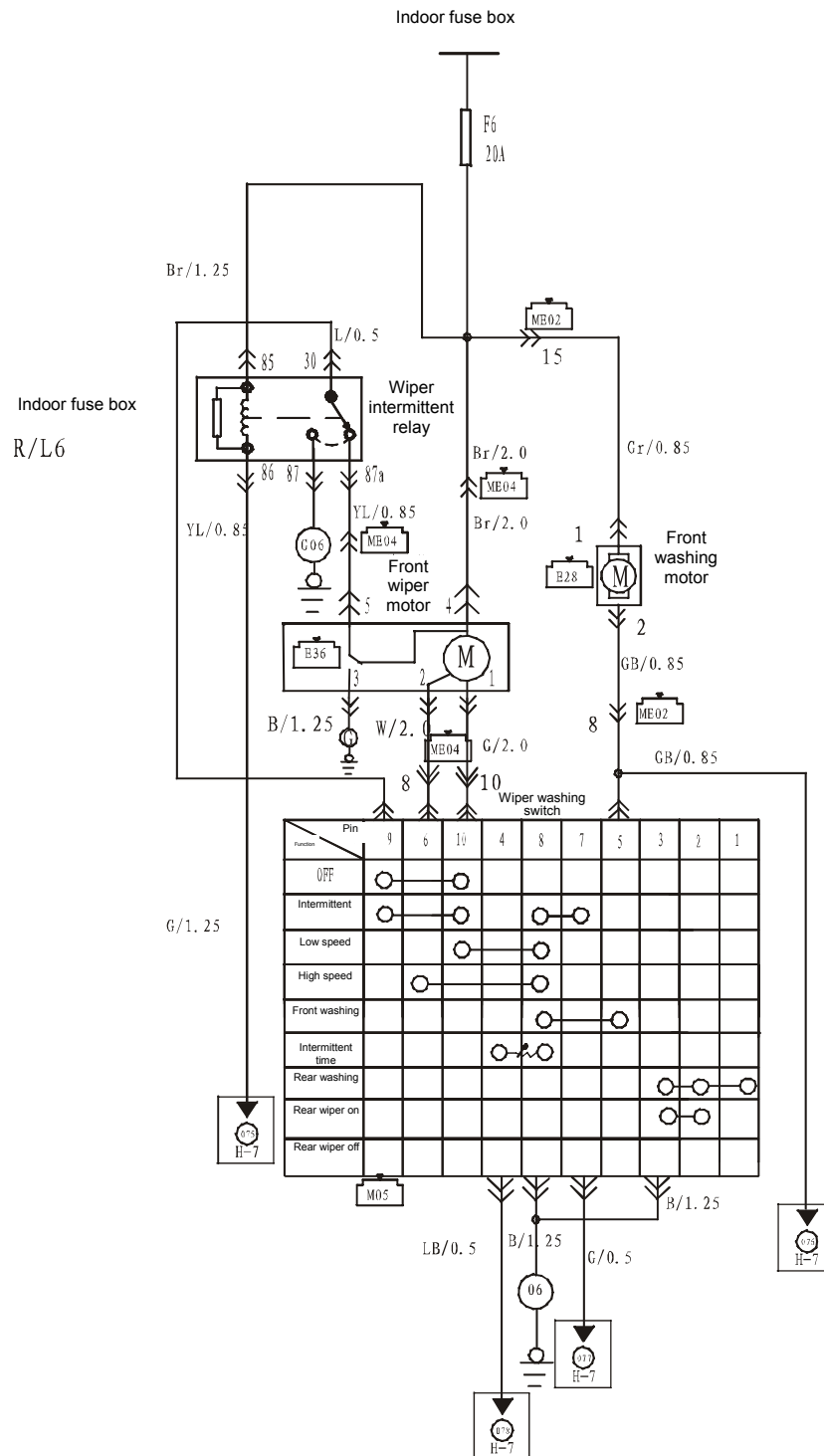
Horn
K-2

E19 Horn

M19 Horn switch

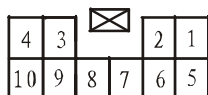
R/L1 Relay of electric horn


Wiper Washing Switch, Front Wiper Motor

K-3



M05 Wiper switch



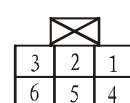
E31 Rear washing motor



E28 Front washing motor

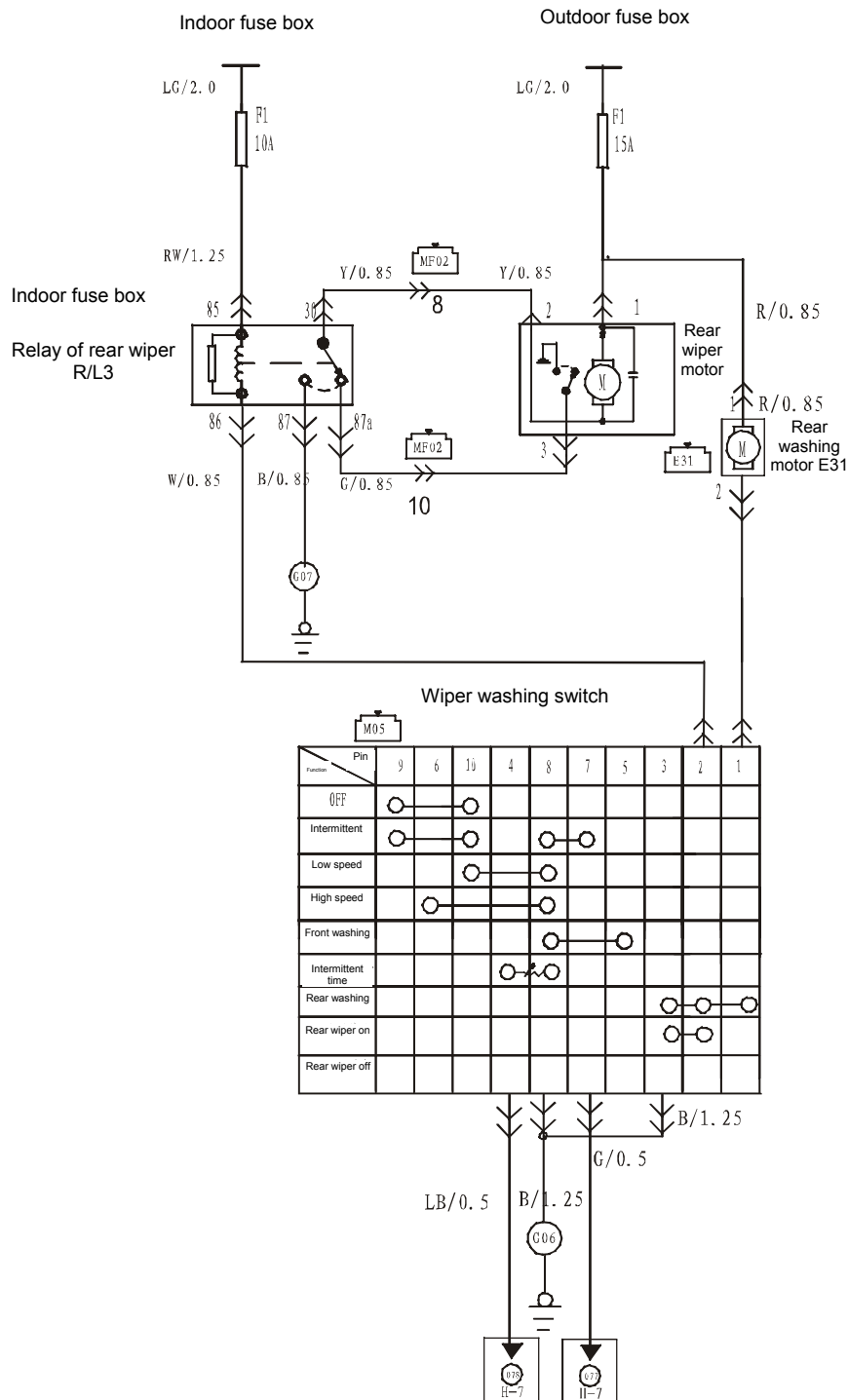


E36 Front wiper motor

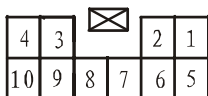


Wiper Washing Switch, Rear Wiper Motor

K-4



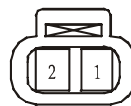
M05 Wiper switch



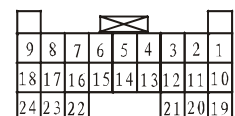
E31 Rear washing motor



E28 Front washing motor



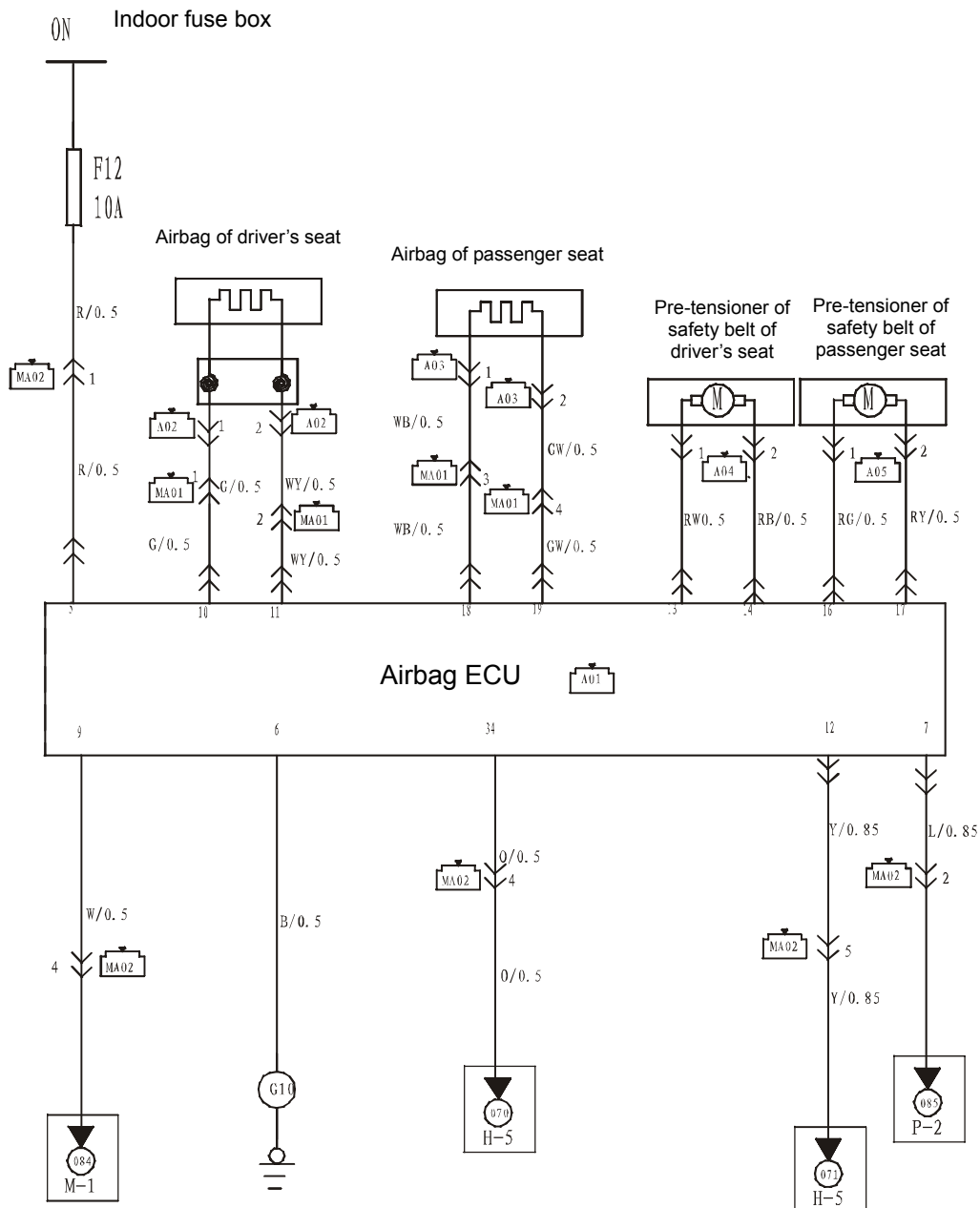
M24 ETACS B M23 ETACS A



Electric Door and Window, Horn, Wiper Washing switch and Wiper Motor		K-5
Index of element position		
Element code	Element name	
D10	Main switch of window elevating system	
M19	Horn switch	
E31	Rear washing motor	
E28	Front washing motor	
M05	Wiper motor	
E19	Horn	
D15	Glass elevating switch of right front door	
D12	Glass elevating switch of left rear door	
D17	Glass elevating switch of right rear door	
D11	Glass elevating switch of left front door	
D16	Glass elevating switch of right front door	
D13	Glass elevating switch of left rear door	
D18	Glass elevating switch of right rear door	
E36	Front wiper motor	
R/L1	Relay of electric horn	
M24	ETACS B	
M23	ETACS A	
Connector		
MD01		
MD02		
MD03		
FD04		
FD05		
MF04		
ME01		
ME02		
MF02		
ME01		
Ground point		
G01		
G07		
G06		

Airbag System

L-1



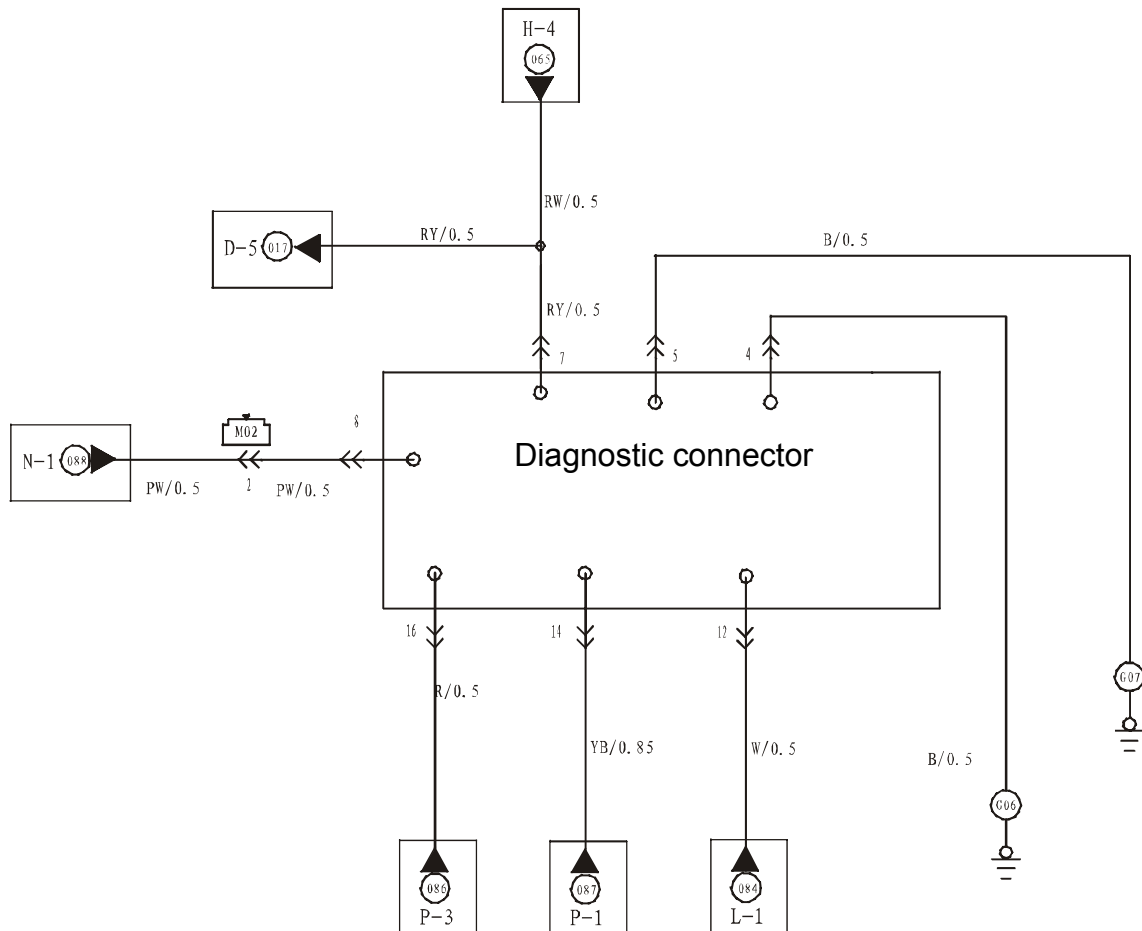
<p>M24 ETACS B grey</p> <table><tr><td></td><td></td><td></td><td colspan="3"></td><td></td><td></td></tr><tr><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td></tr><tr><td>18</td><td>17</td><td>16</td><td>15</td><td>14</td><td>13</td><td>12</td><td>11</td><td>10</td></tr><tr><td>24</td><td>23</td><td>22</td><td></td><td></td><td></td><td></td><td>21</td><td>20</td><td>19</td></tr></table>									9	8	7	6	5	4	3	2	1	18	17	16	15	14	13	12	11	10	24	23	22					21	20	19	<p>A02 Airbag of driver's seat</p> <table><tr><td colspan="2"></td></tr><tr><td>2</td><td>1</td></tr></table>			2	1	<p>A03 Airbag of passenger seat</p> <table><tr><td colspan="2"></td></tr><tr><td>2</td><td>1</td></tr></table>			2	1	<p>A04 Pre-tensioner of left safety belt A05 Pre-tensioner of right safety belt</p> <table><tr><td colspan="2"></td></tr><tr><td>2</td><td>1</td></tr></table>			2	1	<p>F01 Mortise lock of safety belt</p> <table><tr><td></td><td>2</td><td>1</td></tr></table>		2	1
9	8	7	6	5	4	3	2	1																																															
18	17	16	15	14	13	12	11	10																																															
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<p>MA01</p> <table><tr><td colspan="4"></td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>					1	2	3	4	<p>MA02</p> <table><tr><td colspan="6"></td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr></table>							1	2	3	4	5	6	<p>M02 Diagnostic connector</p> <table><tr><td>16</td><td>15</td><td>14</td><td>13</td><td>12</td><td>11</td><td>10</td><td>9</td></tr><tr><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>	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																	
1	2	3	4																																																				
1	2	3	4	5	6																																																		
16	15	14	13	12	11	10	9																																																
8	7	6	5	4	3	2	1																																																

Airbag System L-2**Index of element position**

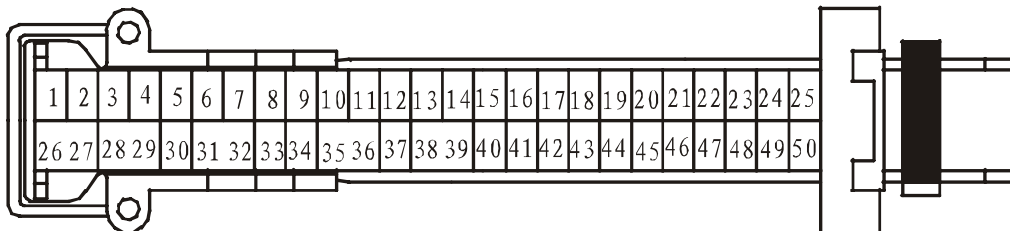
Element code	Element name
M24	ETACS B grey
A02	Airbag of driver's seat
A03	Airbag of passenger seat
A04	Pre-tensioner of left safety belt
A05	Pre-tensioner of right safety belt
F01	Mortise lock of safety belt
M02	Diagnostic connector
Connector	
MA01	
MA02	
Ground point	
10	

Diagnostic System

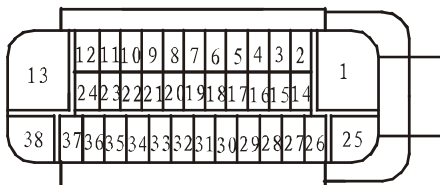
M-1



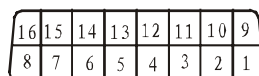
A01 Airbag ECU



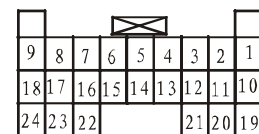
E04 ABS



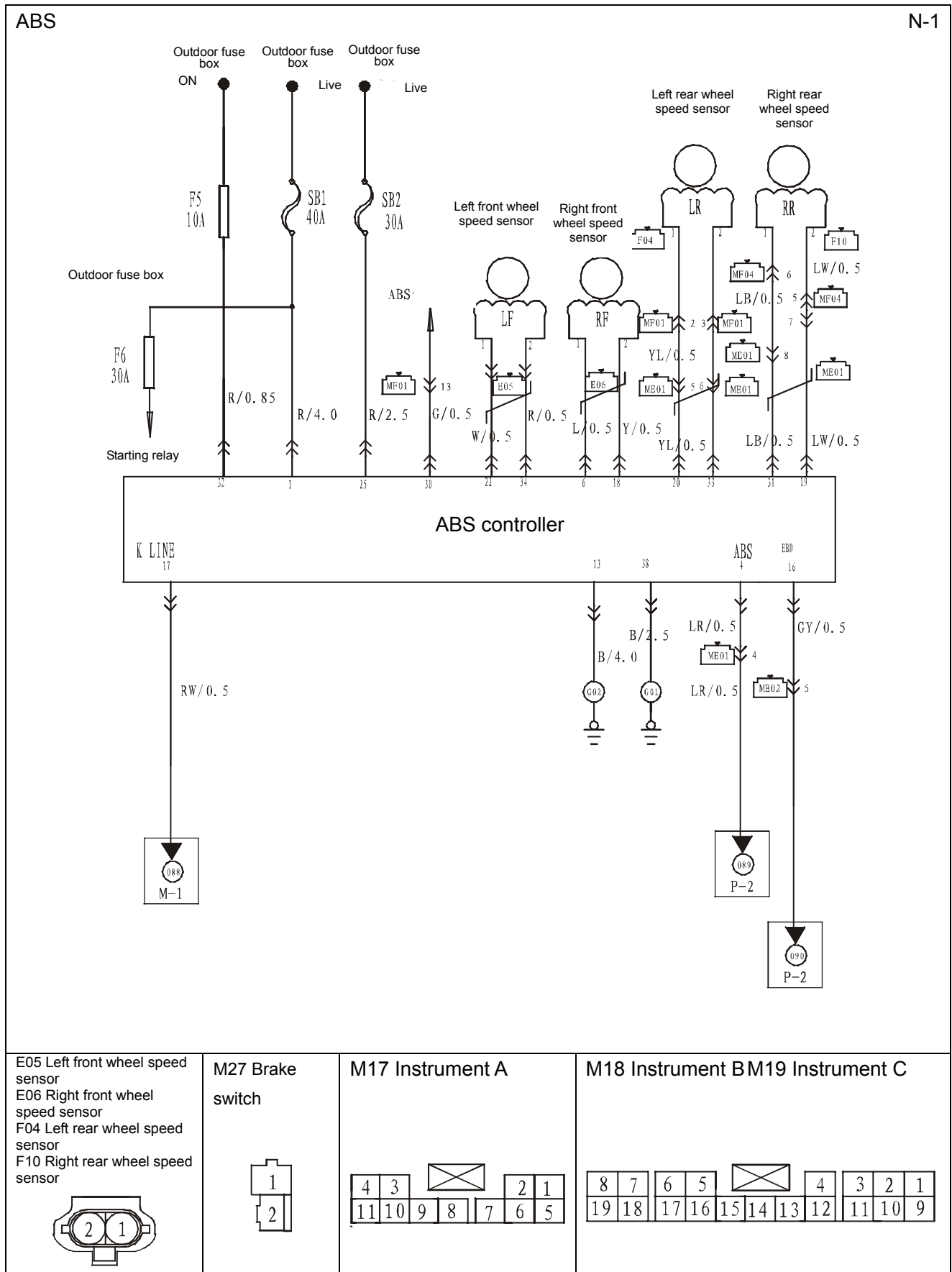
M02 Diagnostic connector



M23 ETACS A white

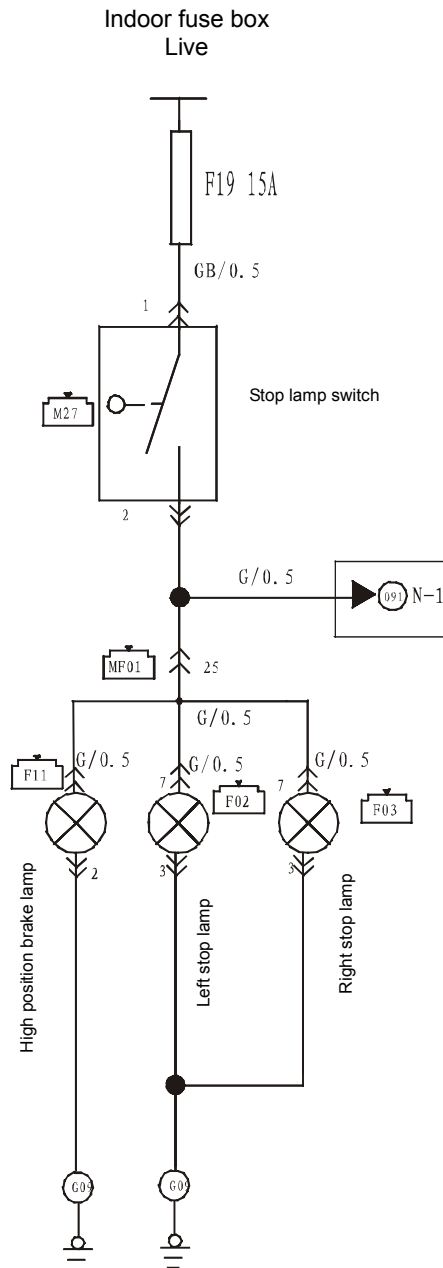


Diagnostic System		M-2
Index of element position		
Element code	Element name	
M02	Diagnostic connector	
Ground point		
G06		
G07		



ABS

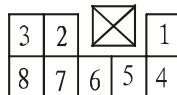
N-2



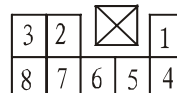
M27 Stop lamp switch



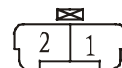
F02 Left rear stop lamp



F03 Right rear stop lamp



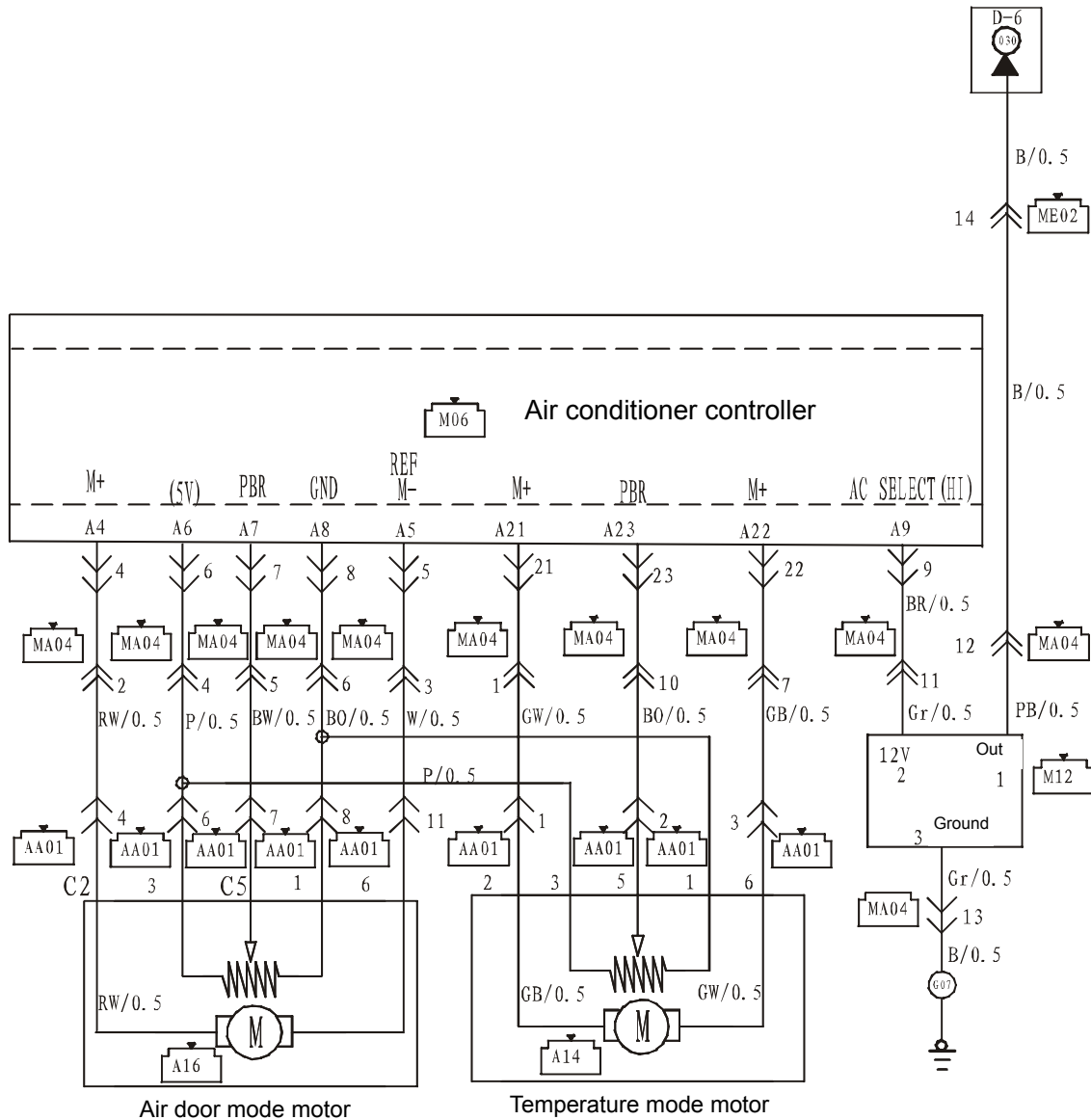
F11 High position stop lamp



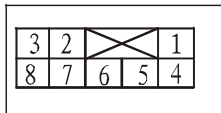
ABS		N-3
Index of element position		
Element code	Element name	
E04	ABS module	
F04	Left rear wheel speed sensor	
F10	Right rear wheel speed sensor	
E05	Left front wheel speed sensor	
E06	Right front wheel speed sensor	
F02	Left rear combination light	
F03	Right rear combination light	
F11	High position stop lamp	
M27	Stop lamp switch	
Connector		
MF01		
ME01		
ME02		
MF04		
Ground point		
G01		
G02		
G09		

Air Conditioning System

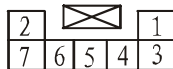
0-1



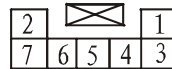
AA01



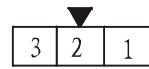
A16 Air door mode motor



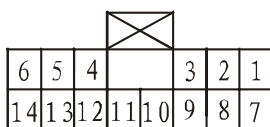
A104 Temperature mode motor



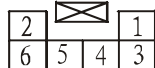
M12 Evaporator surface temperature sensor



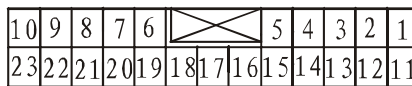
MA04 HVAC connector 1



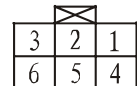
M33 Internal and external air change-over switch



M06 Air conditioning control panel

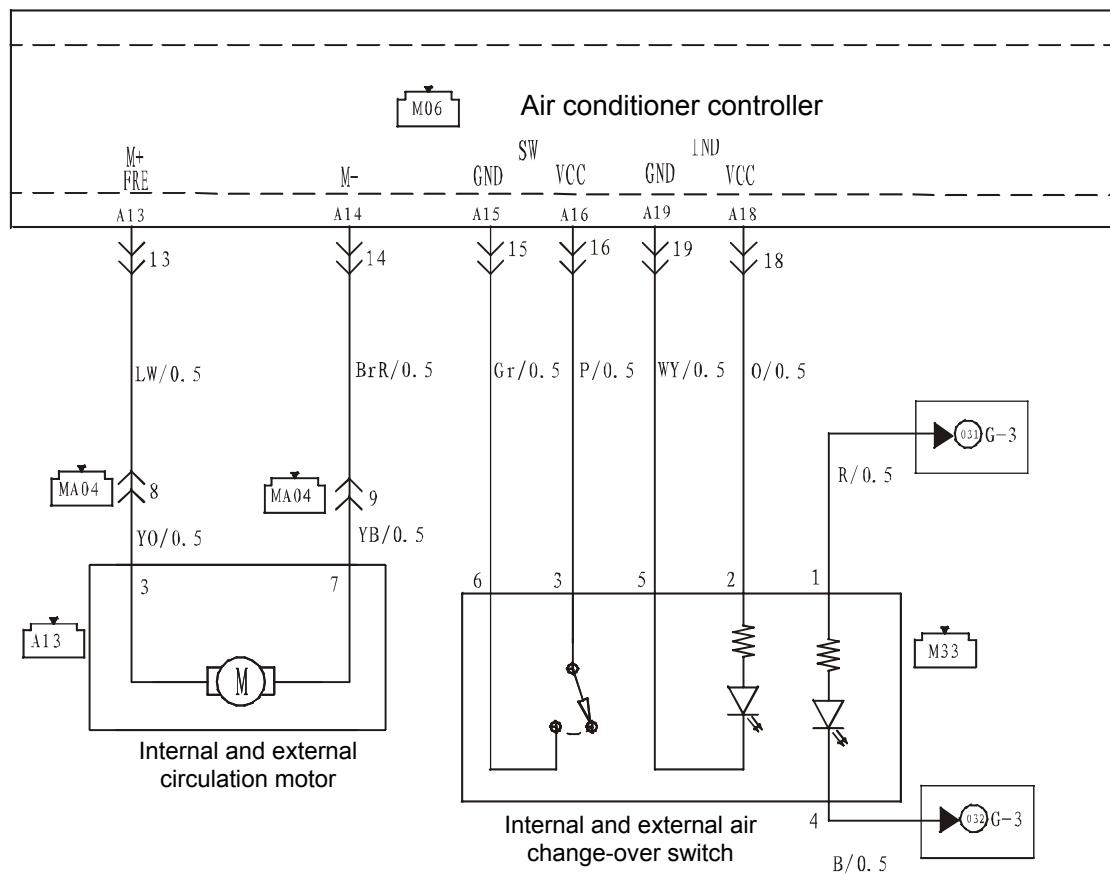


MA03 HVAC connector 2

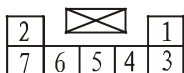


Air Conditioning System

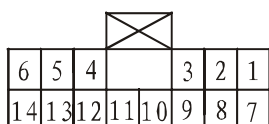
0-2



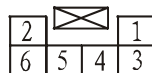
A13 Internal and external circulation motor



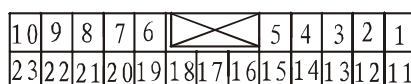
MA04 HVAC connector 1



M33 Internal and external air change-over switch



M06 Air conditioning control panel

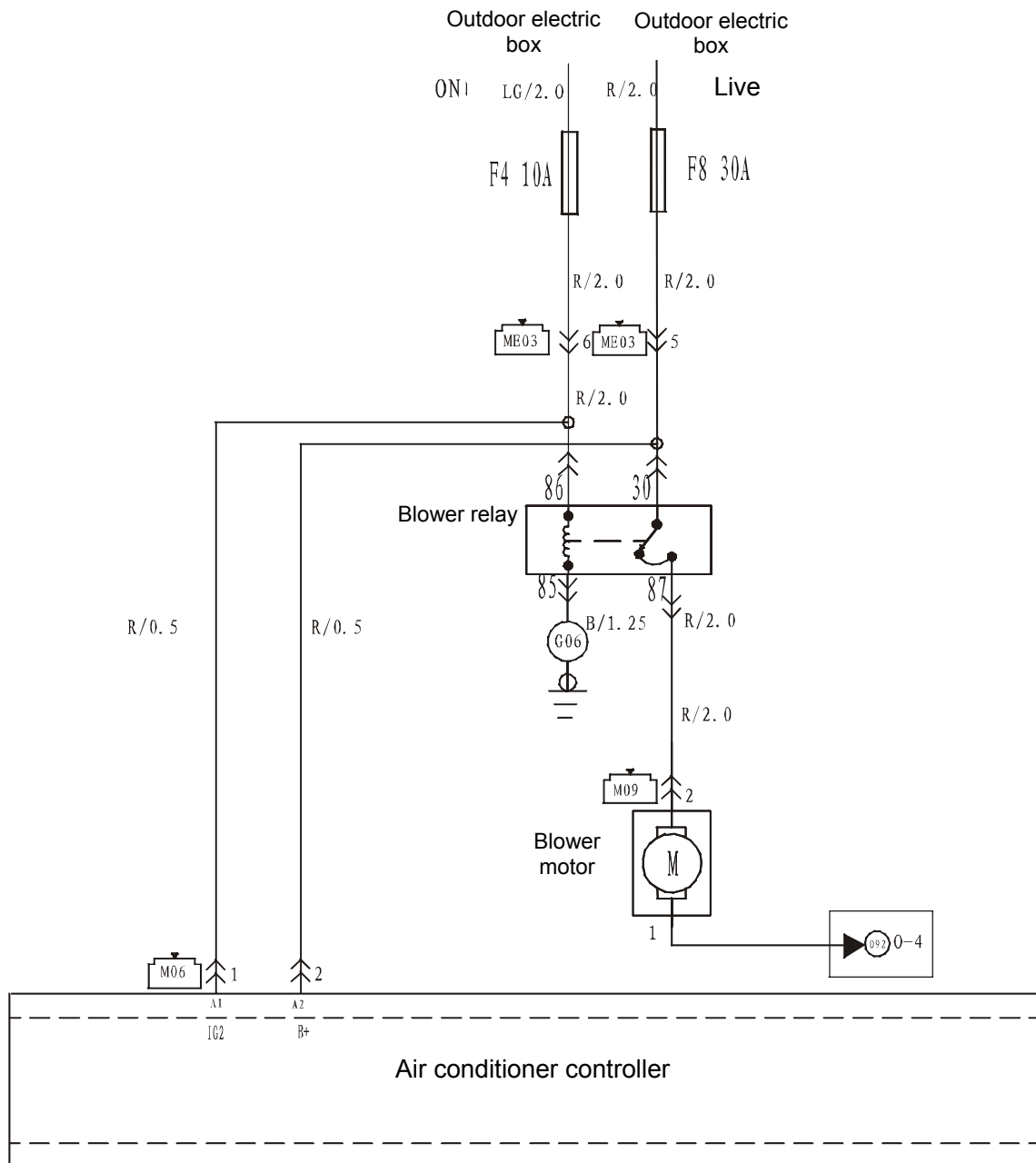


MA03 HVAC connector 2

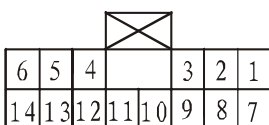


Air Conditioning System

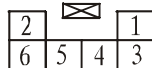
0-3



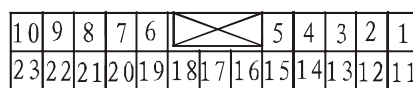
MA04 HVAC connector 1



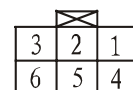
M33 Internal and external air change-over switch



M06 Air conditioning control panel

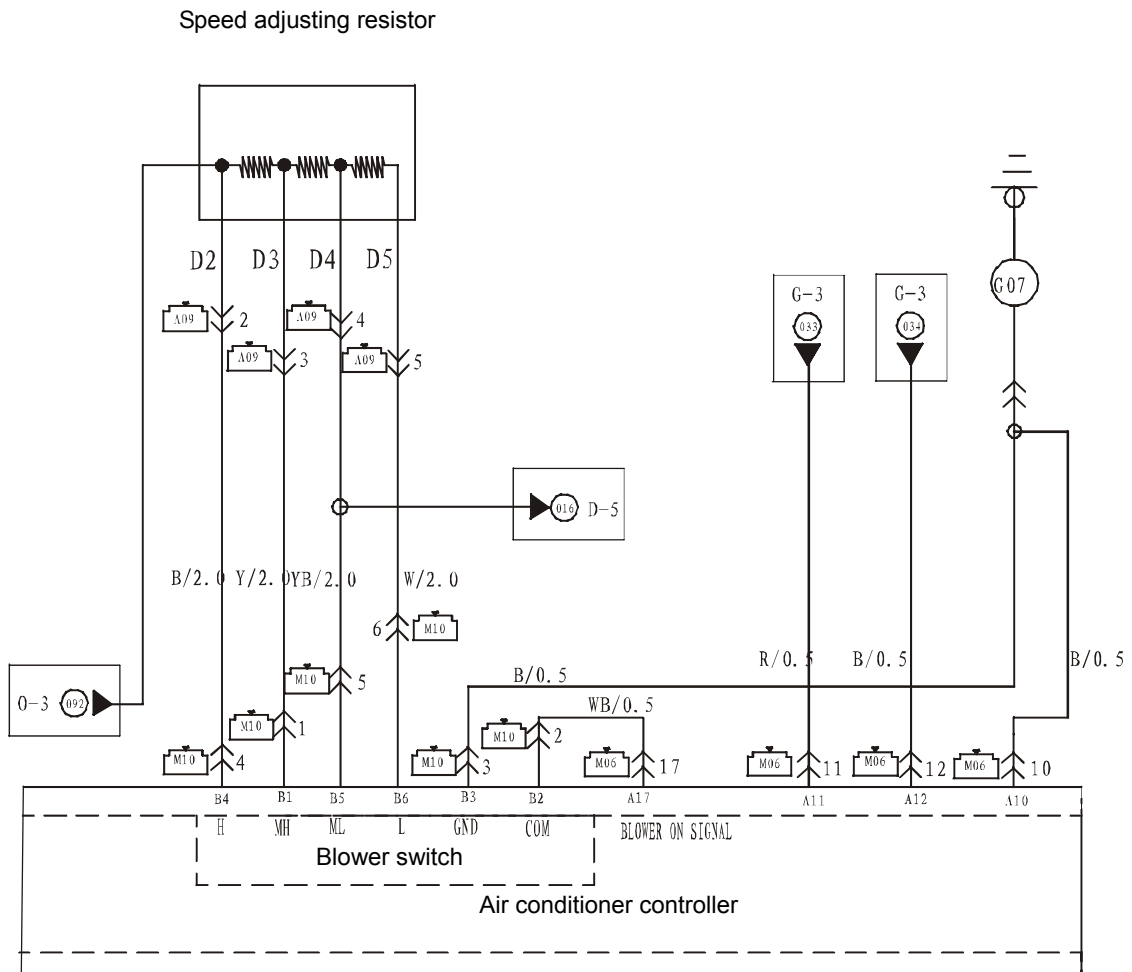


MA03 HVAC connector 2

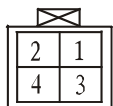


Air Conditioning System

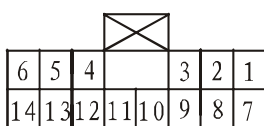
0-4



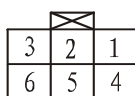
A09 Speed adjusting resistor



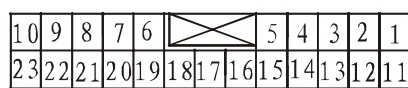
MA04 HVAC connector 1



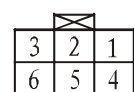
M10 Blower switch



M06 Air conditioning control panel

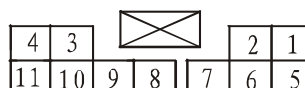


MA03 HVAC connector 2



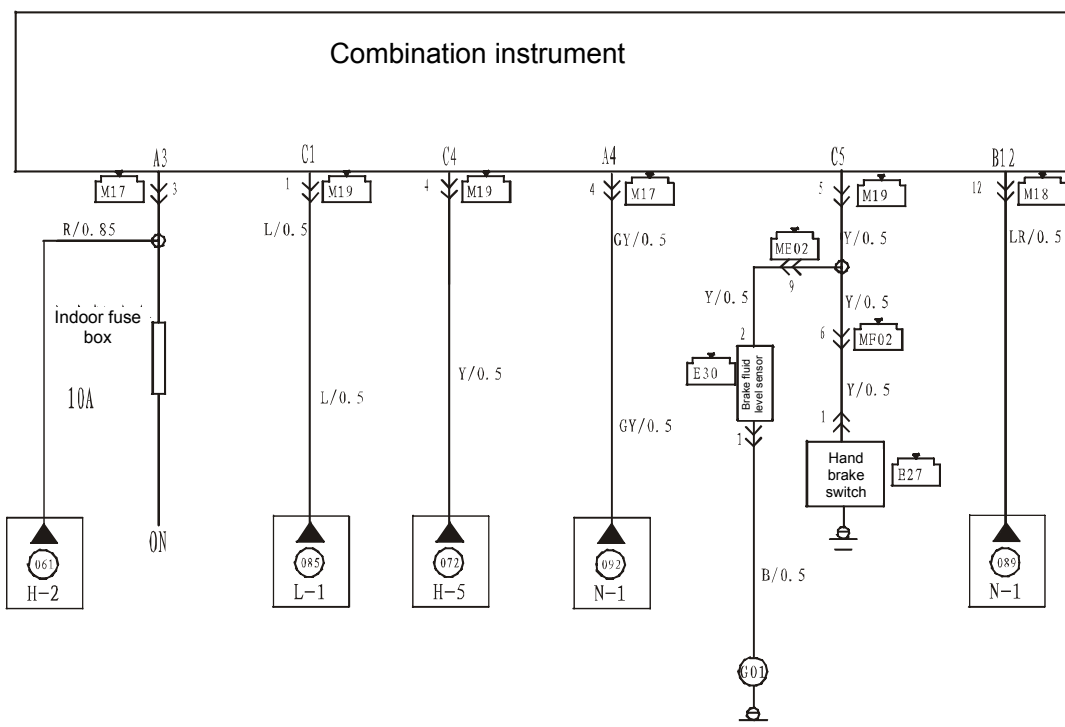
Air Conditioning System		0-5
Index of element position		
Element code	Element name	
M06	Air conditioning panel	
A16	Air door mode motor	
A14	Temperature mode motor	
M12	Evaporator surface temperature sensor	
M33	Internal and external air change-over switch	
A13	Internal and external air circulation motor	
M10	Blower switch	
A09	Speed adjusting resistor	
Connector		
MA03		
MA04		
AA01		
Ground point		
G07		

P-1

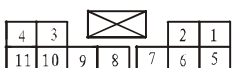


Combination Instrument

P-2



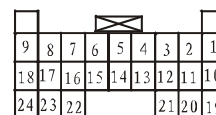
M17 Combination instrument A (white)



M18 Combination instrument B (black)
M19 Combination instrument C (white)



M23 ETACS A white



E30 Brake fluid sensor

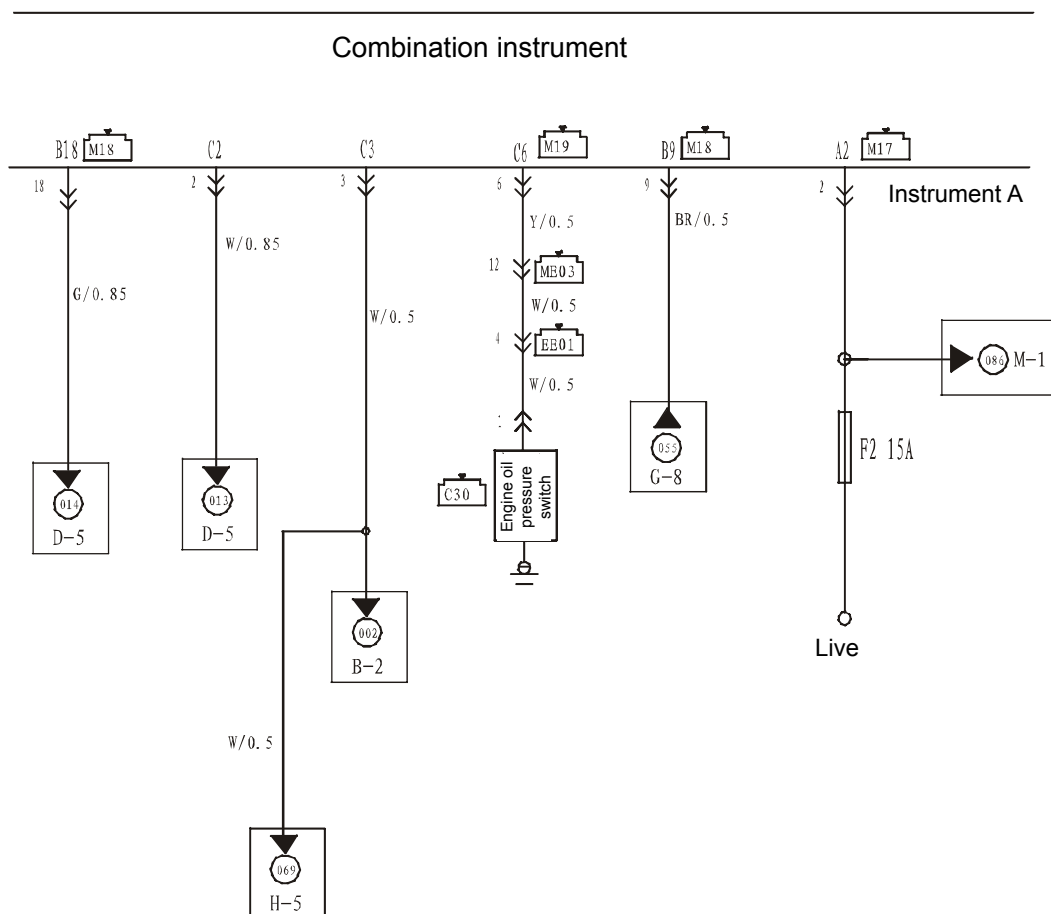


E27 Hand brake switch



Combination Instrument

P-3



M17 Combination instrument A

4	3			2	1
11	10			7	5

M14 Rear fog lamp switch

2			1
6			3

M02 Diagnostic connector

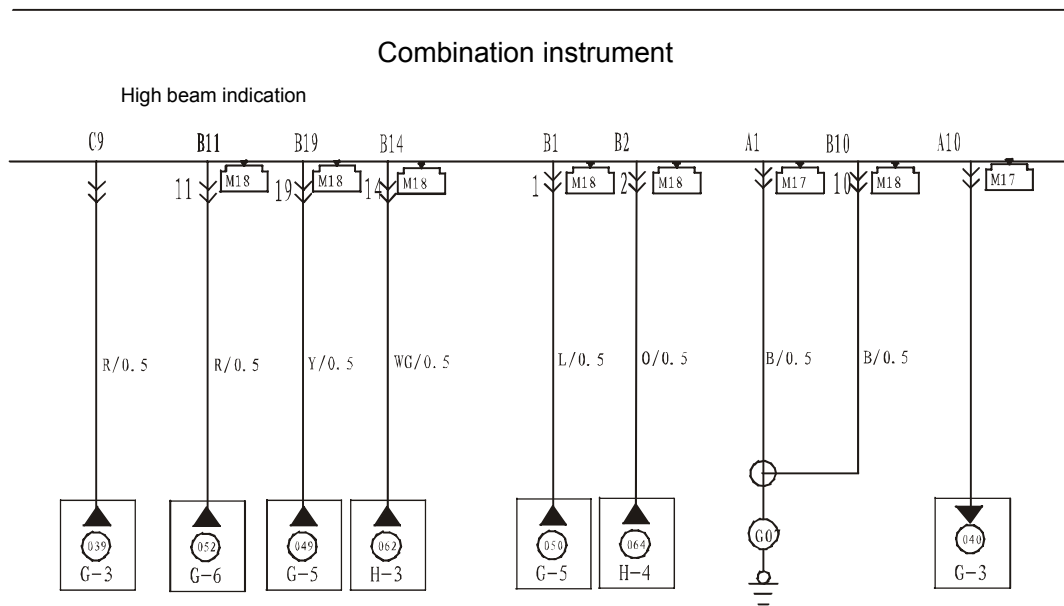
16	15	14	13	12	11	10	9
8	7	6	5	4	3	2	1

C30 Engine oil pressure switch

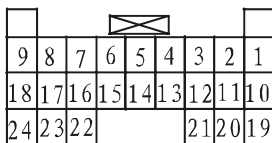
1

Combination Instrument

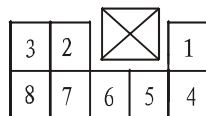
P-4



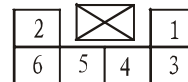
M24 ETACS B grey



M28 Warning light switch



M34 Dimming switch

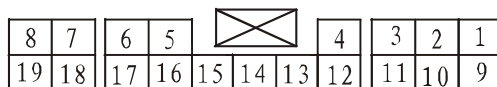


F24 Contact switch of boot

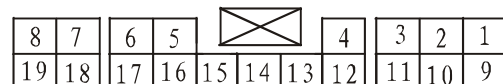
①

M18 Combination instrument B black

M19 Combination instrument C white



M17 Combination instrument A



Combination Instrument		P-5
Index of element position		
Element code	Element name	
E30	Brake fluid level sensor	
E27	Hand brake switch	
C15	Wheel speed sensor	
F26	Fuel pump connector	
M17	Combination instrument A (white)	
M18	Combination instrument B (black)	
M19	Combination instrument C (white)	
C30	Engine oil pressure sensor	
E43	Water temperature gauge	
M34	Dimming switch	
Connector		
ME04		
ME02		
MF02		
ME03		
EE01		
Ground point		
G09		
G01		
G07		

Contents for Component Position

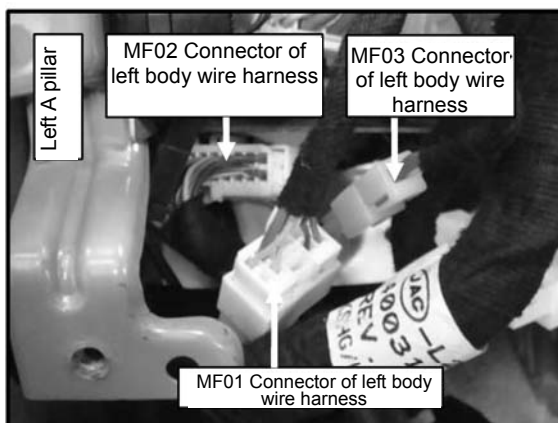
Main Wire Harness.....	1
Engine Compartment Wire Harness I.....	6
Engine Compartment Wire Harness II.....	7
Controller Wire Harness	12
Right Chassis Wire Harness.....	15
Left Chassis Wire Harness	17
Left Front Door Wire Harness.....	21
Right Front Door Wire Harness	22
Left Rear Door Wire Harness	24
Right Rear Door Wire Harness.....	25
Ceiling Wire Harness.....	26
Ground Wire Harness.....	27
Airbag Wire Harness	29
Air Conditioner Wire Harness	30

Main Wire Harness

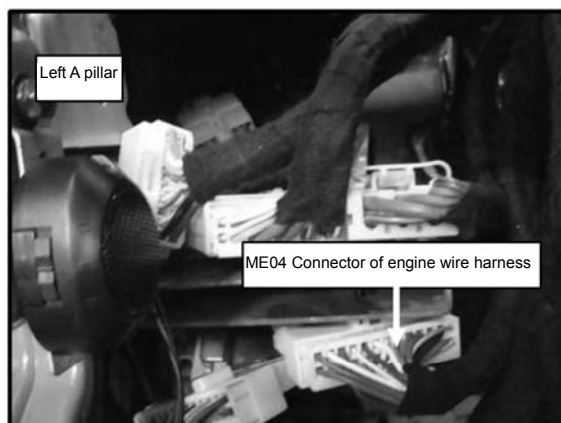
Main wire harness (1)



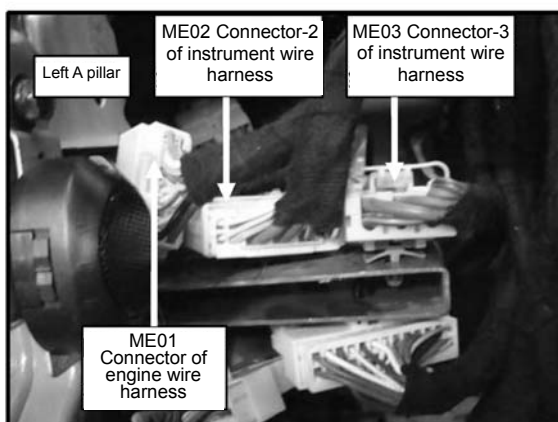
M02



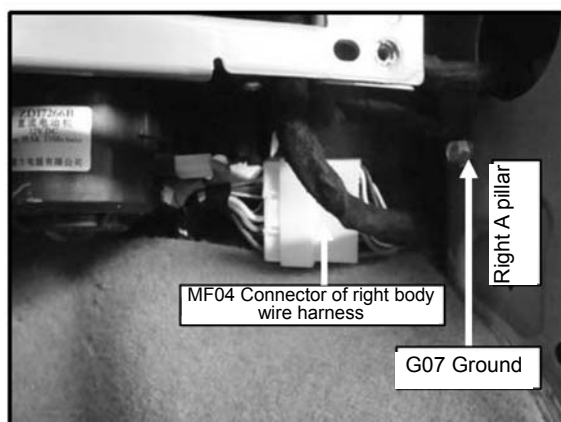
MF01 MF02 MF03



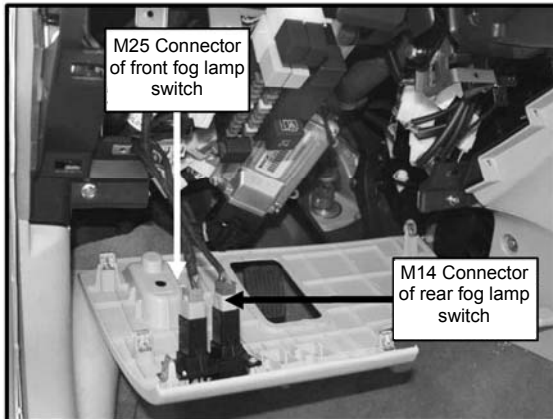
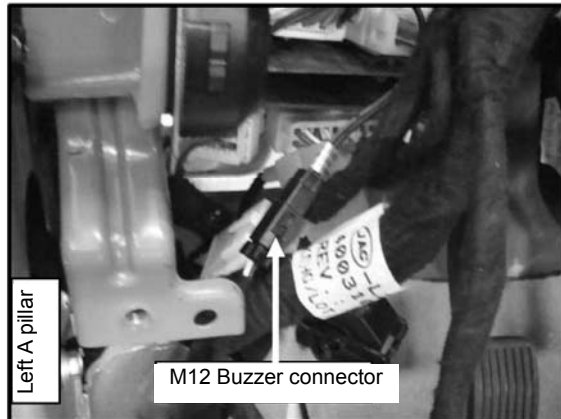
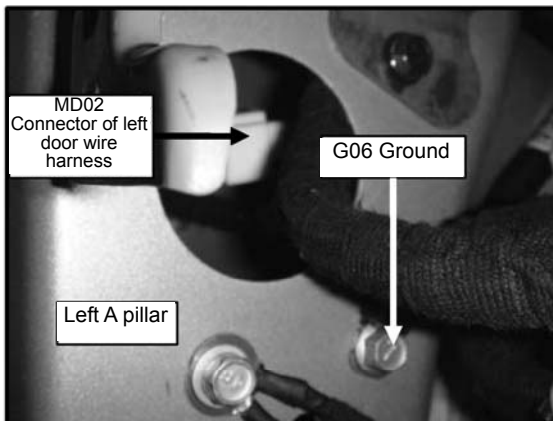
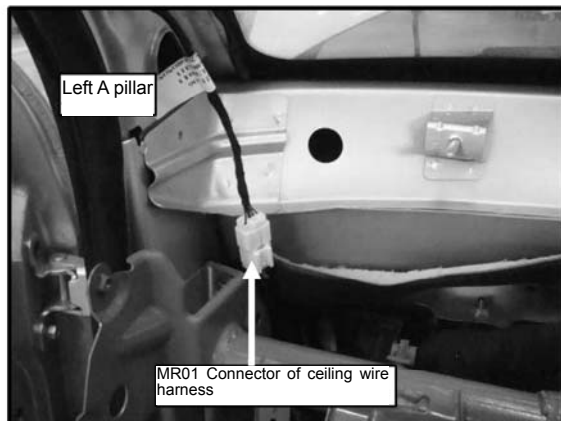
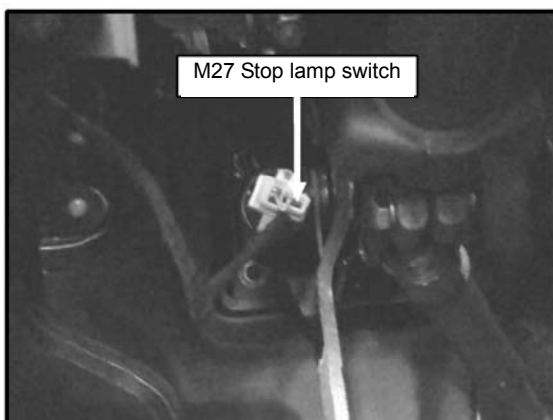
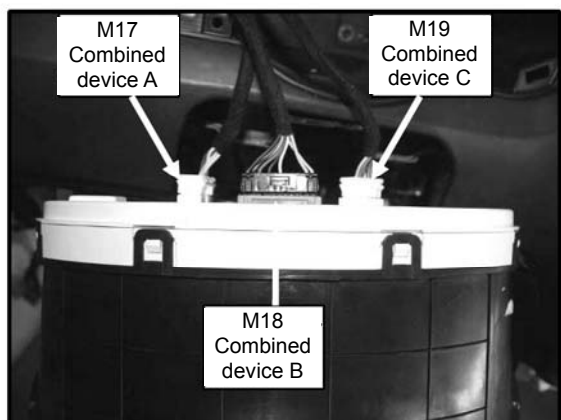
ME04

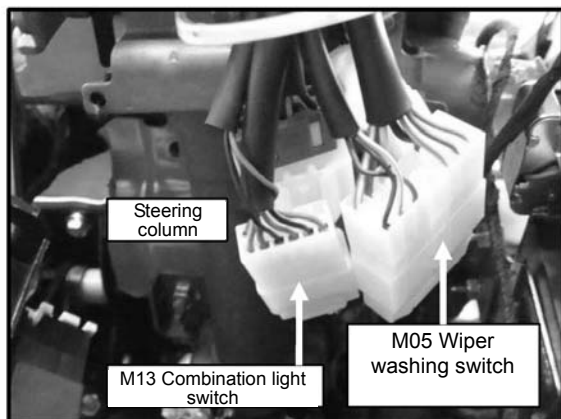
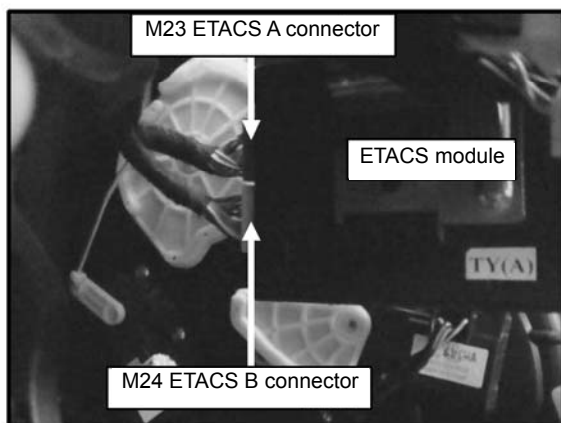
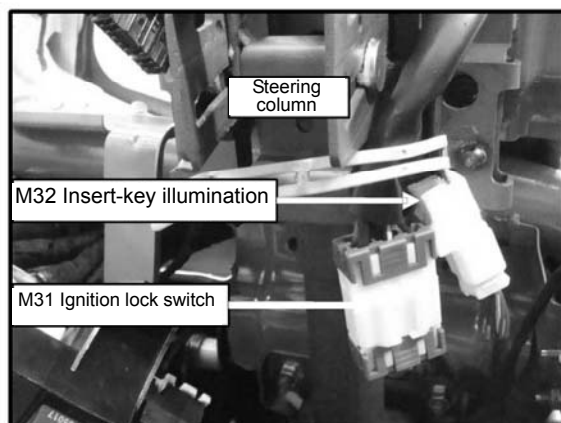
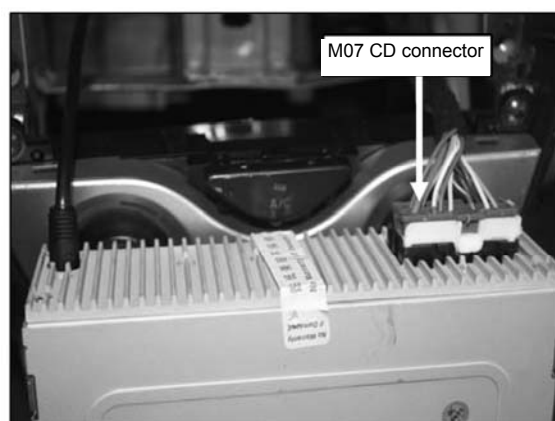
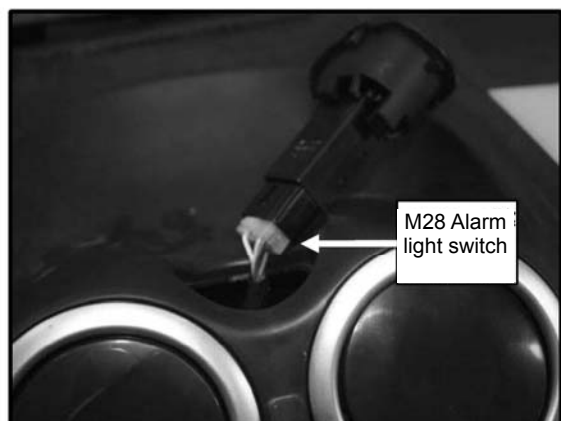


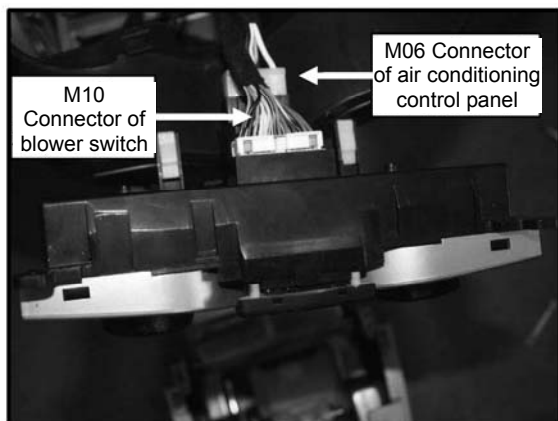
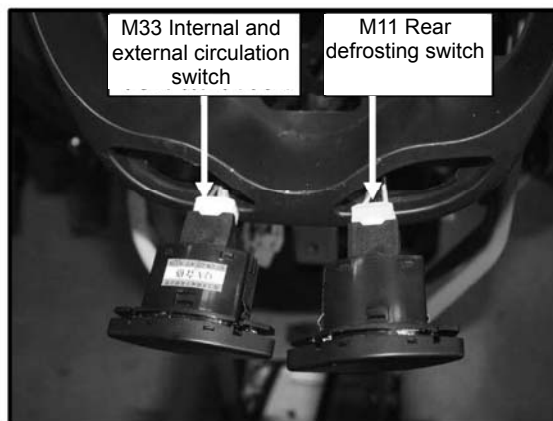
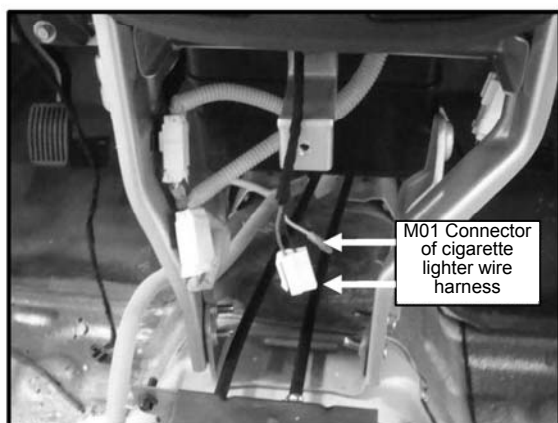
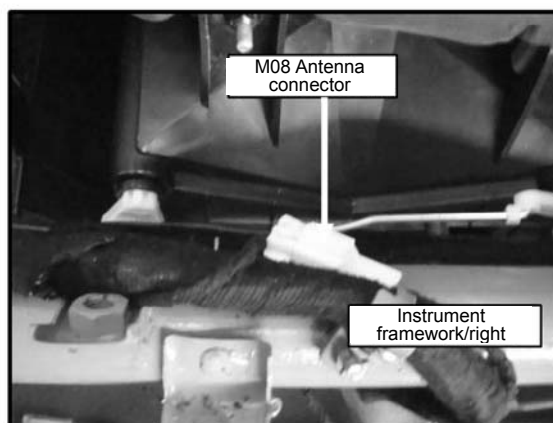
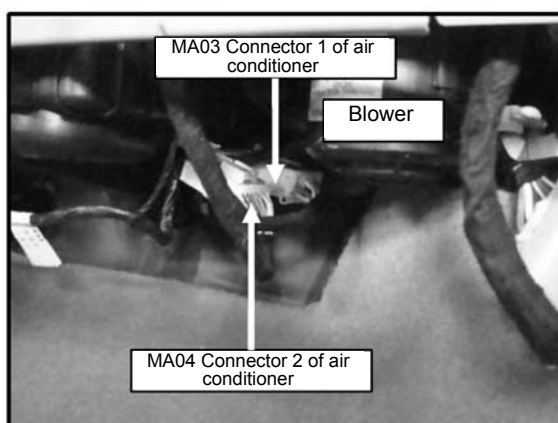
ME01 ME02 ME03



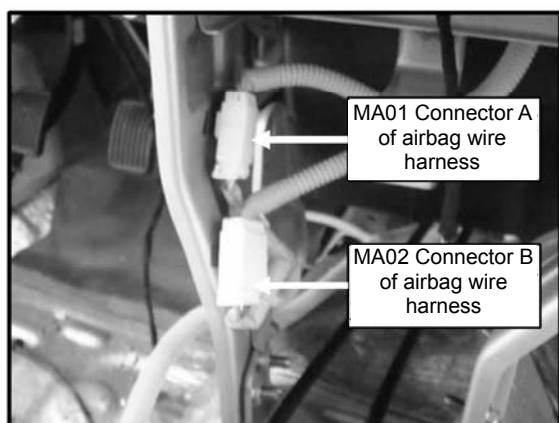
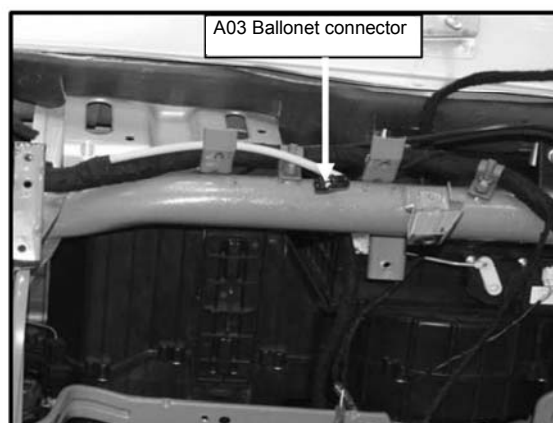
MF04 G07

Main wire harness (2)

M25 M14

M12

MD02 G06

MR01

M27

M17 M18 M19

Main wire harness (3)

M05 M13

M23 M24

M32 M31

M07

M28

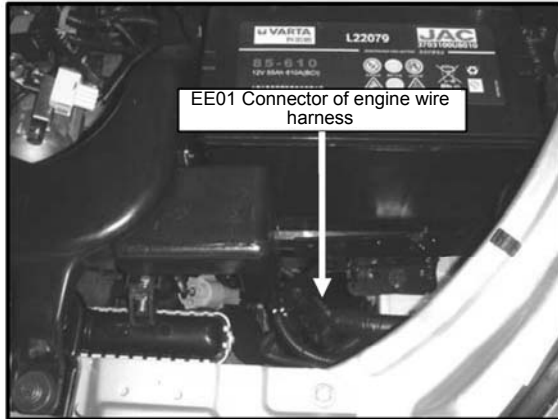
Main wire harness (4)

M06 M10

M33 M11

M01

M08

MA03 MA04

MD03

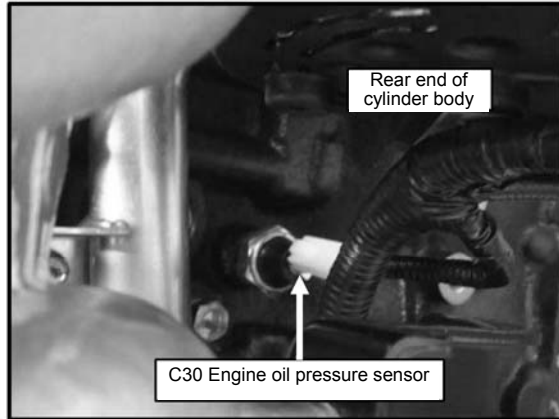
Main wire harness (5)

MA02 MA01

A03

Engine Compartment Wire Harness I

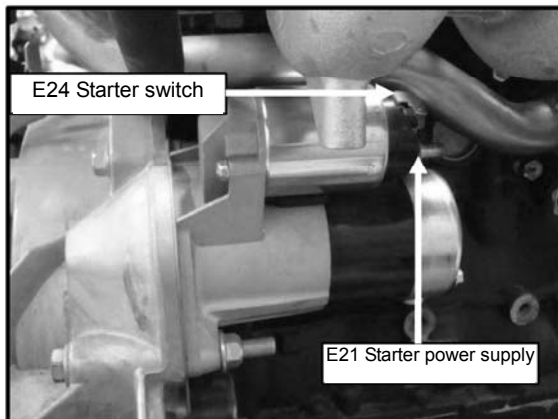
Engine compartment wire harness I (1)



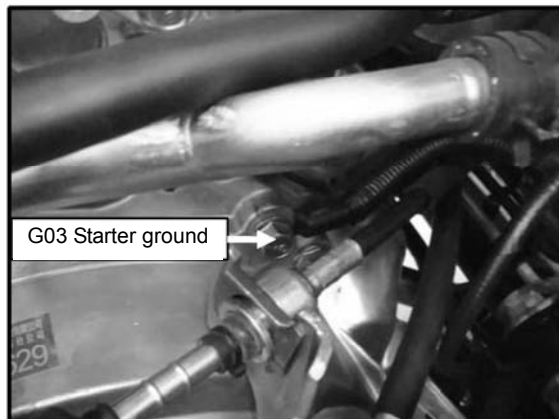
EE01



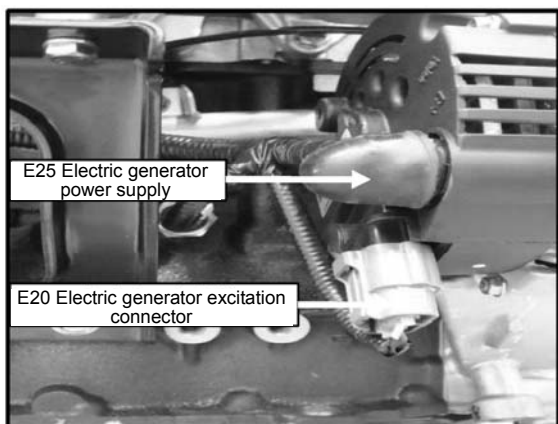
C30



E24 E21

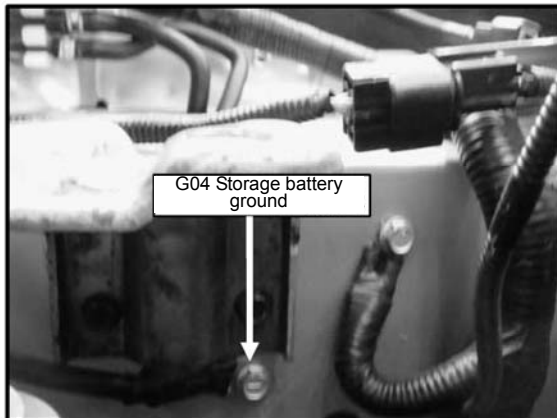


G03



E25 E20

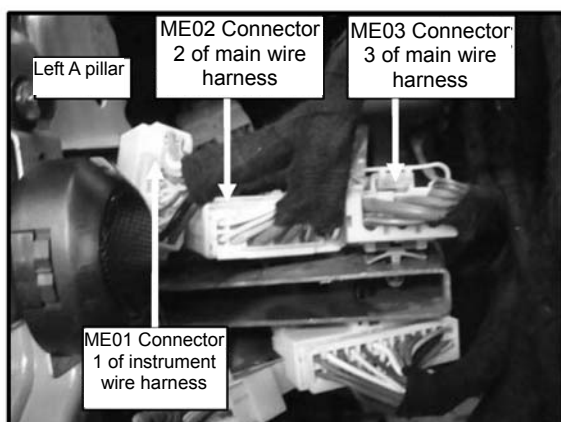
Engine compartment wire harness I (2)



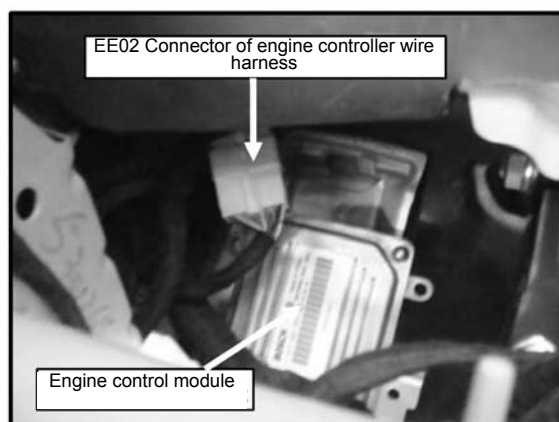
G04

Engine Compartment Wire Harness II

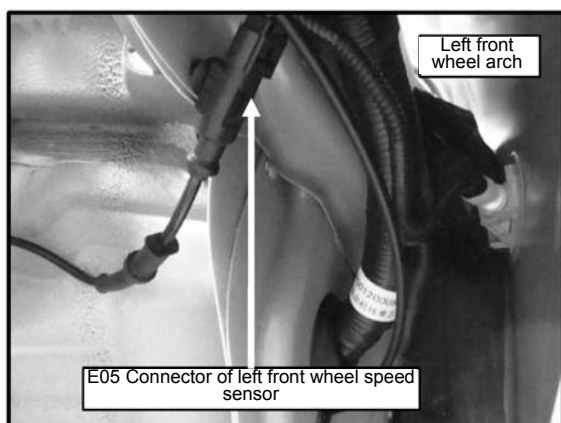
Engine compartment wire harness II (1)



ME01 ME02 ME03



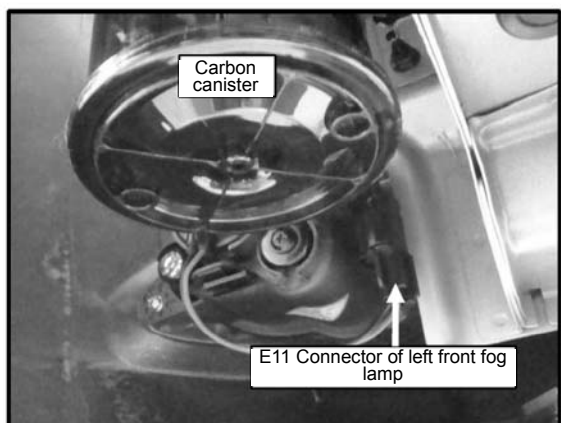
EE02



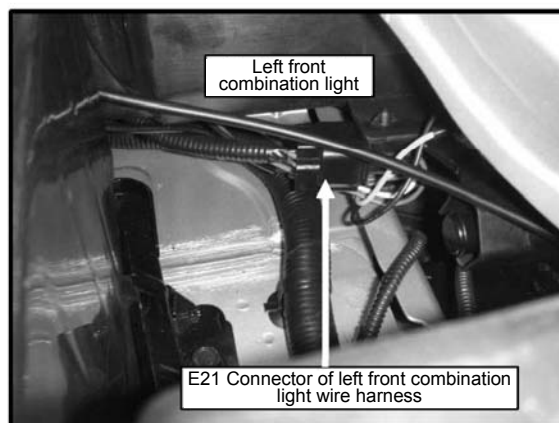
E05



E17

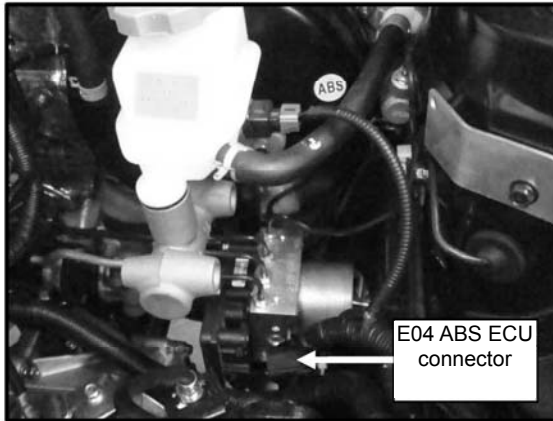
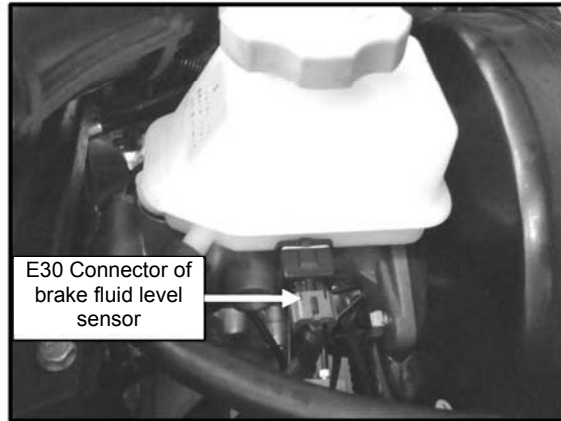
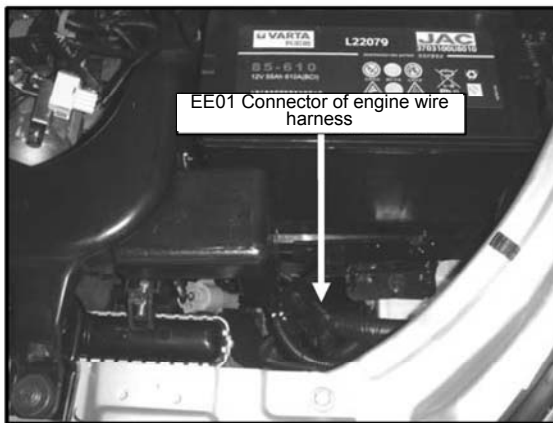
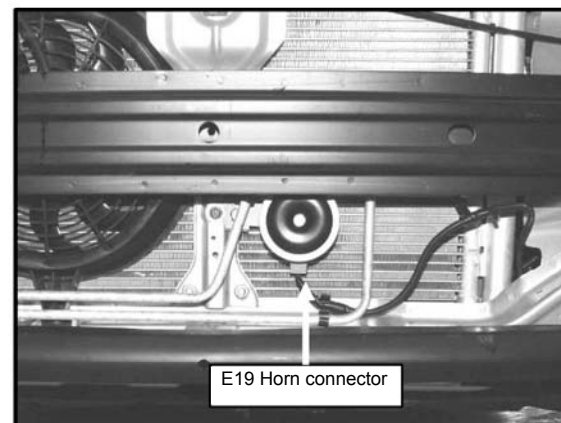
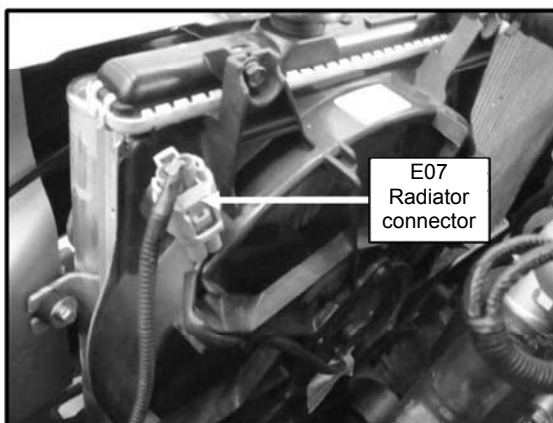


E11

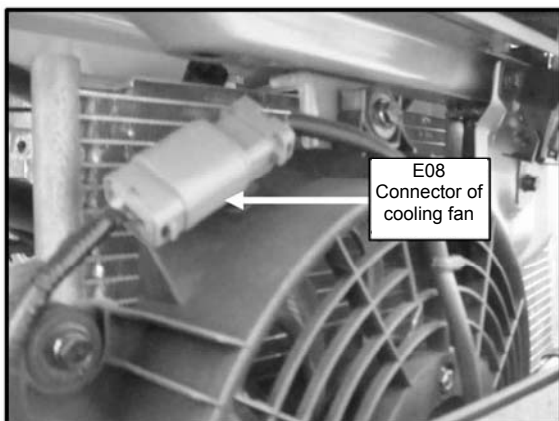
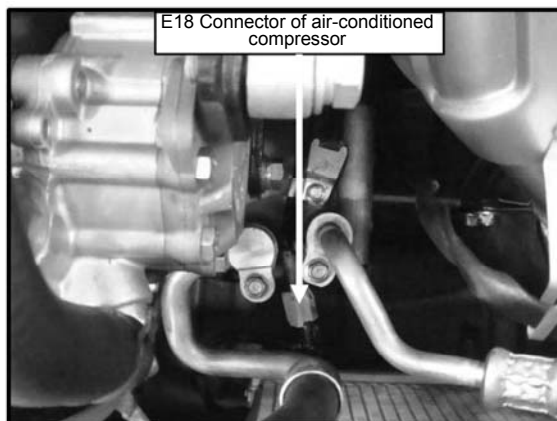
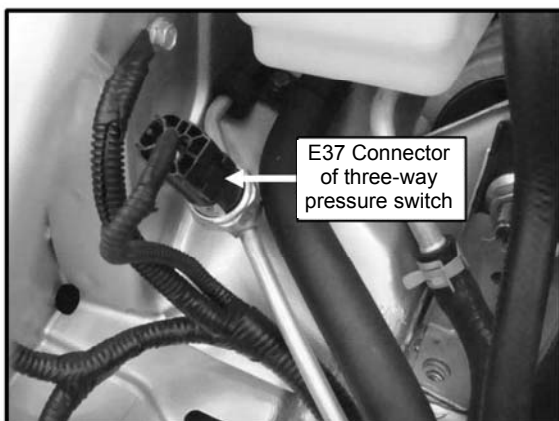
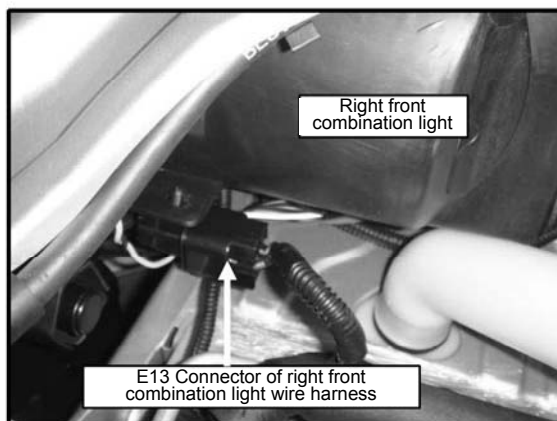
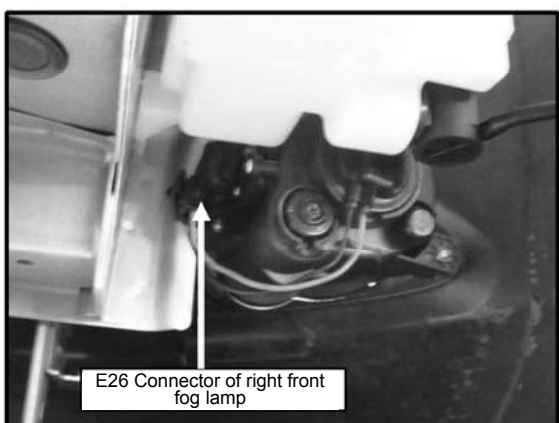
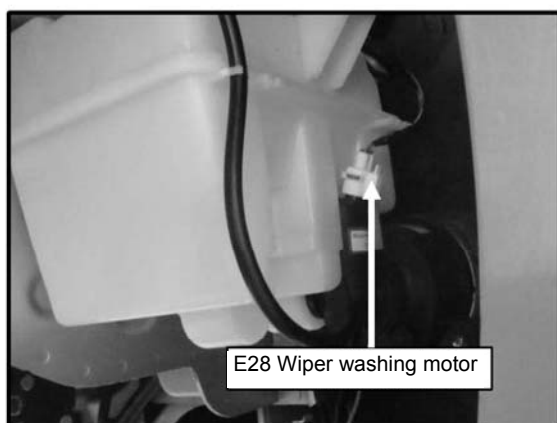


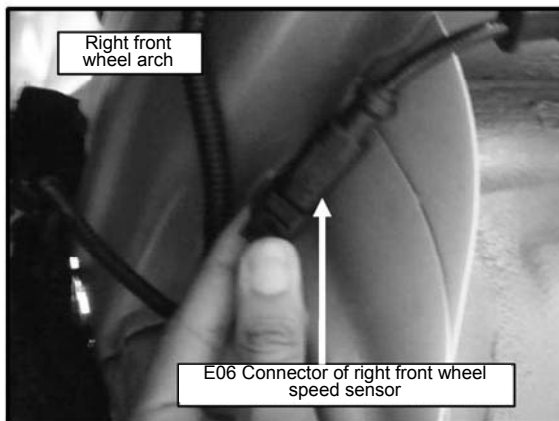
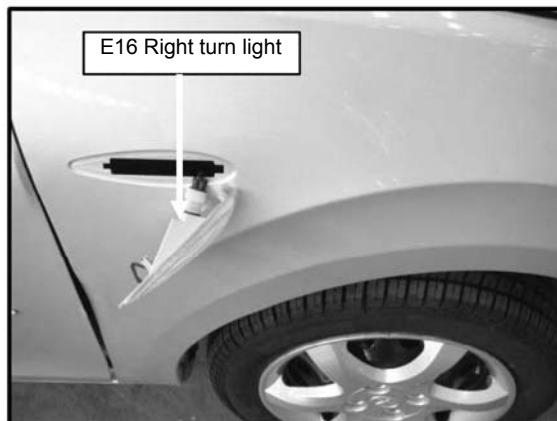
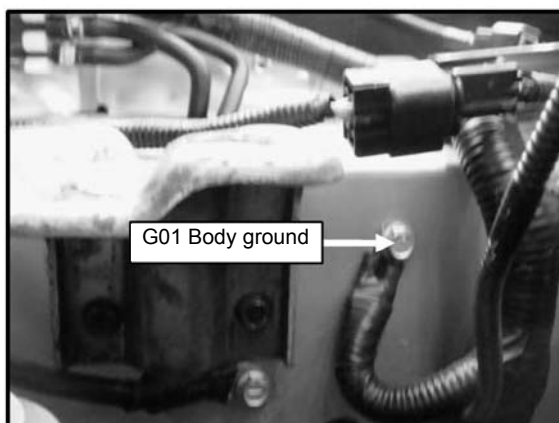
E21

Engine compartment wire harness II (2)


E04

E30

EE01

E19

E07

Engine compartment wire harness II (3)

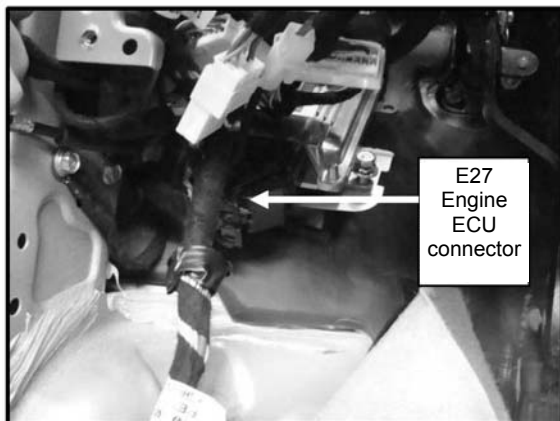

E08

E18

E37

E13

E26

E28

Engine compartment wire harness II (4)

E06

E16

G01

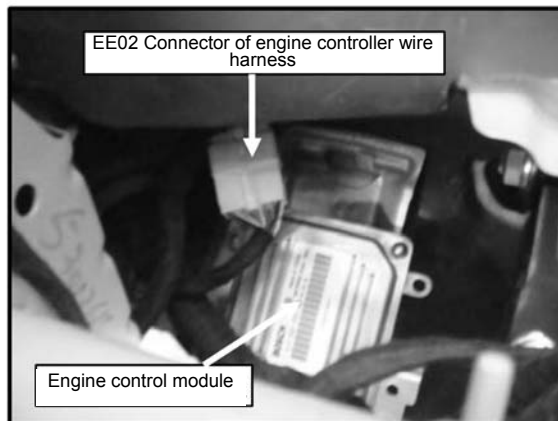
G02

Controller Wire Harness

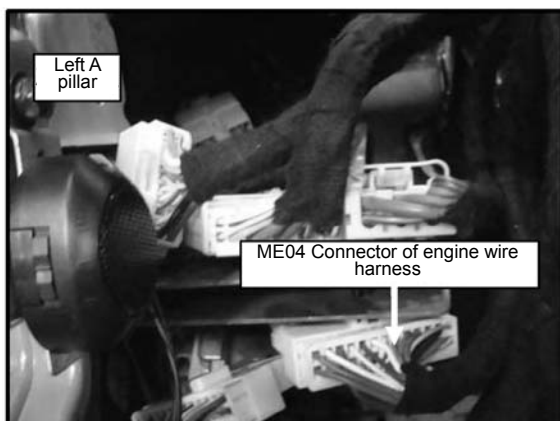
Controller wire harness (1)



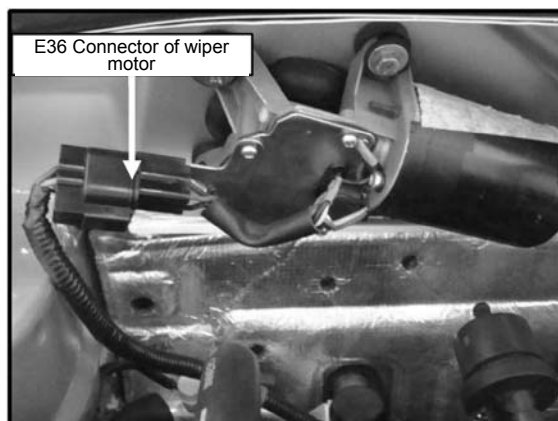
E27



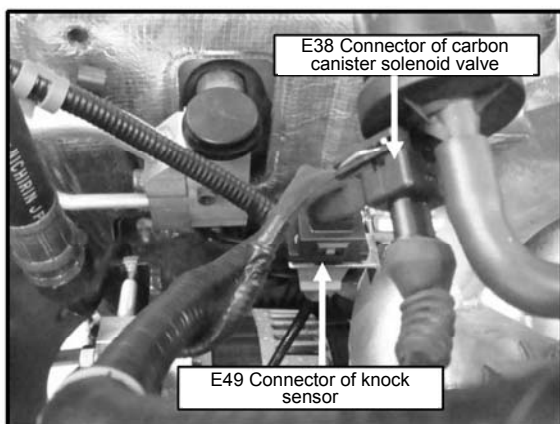
EE02



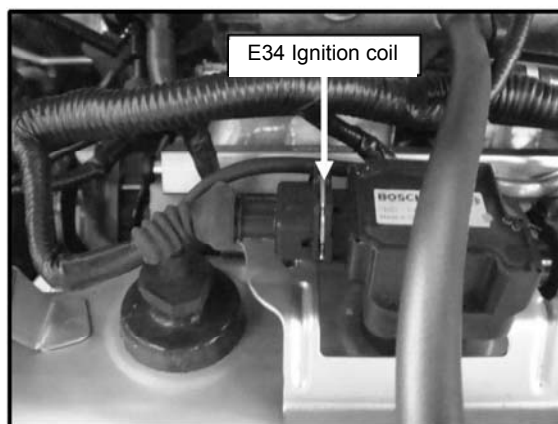
ME04



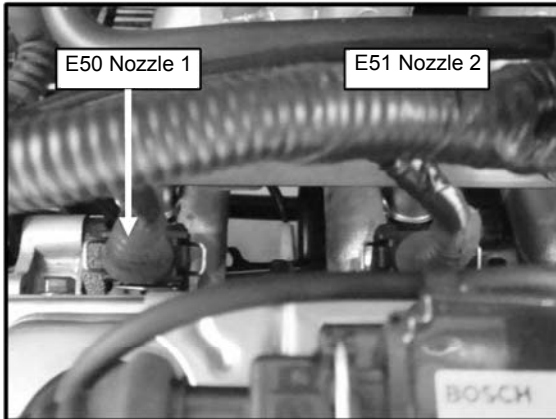
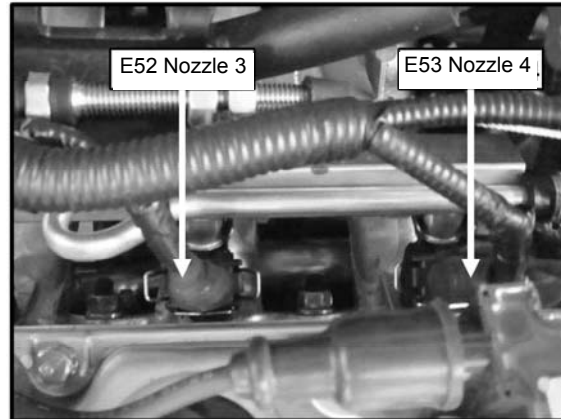
E36

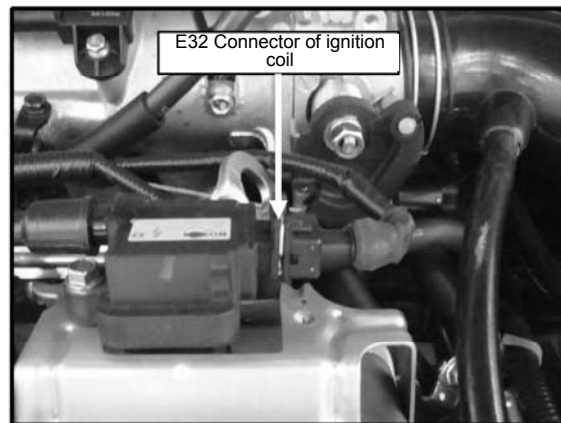
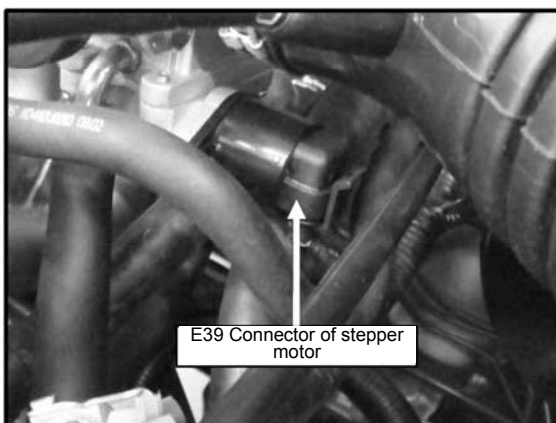
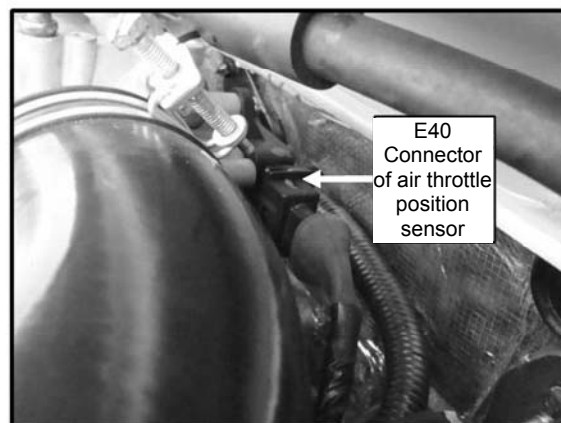


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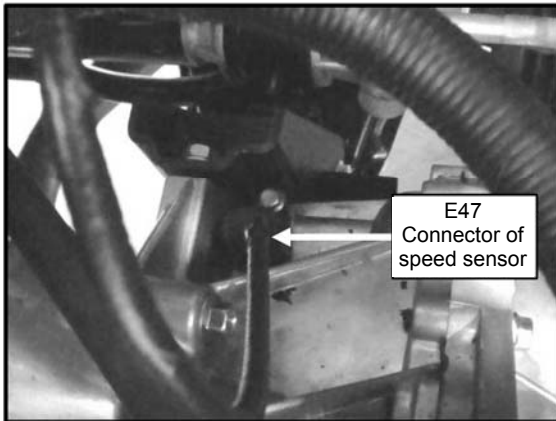


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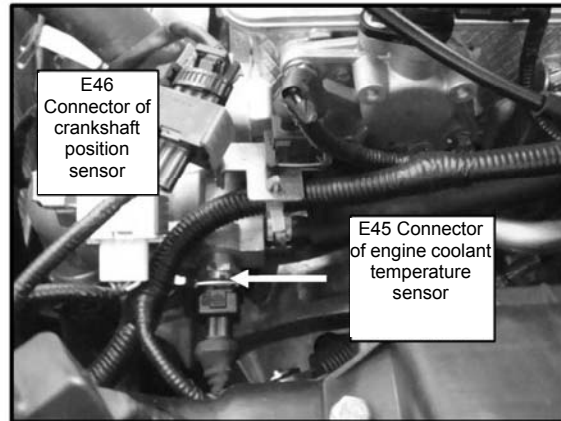
Controller wire harness (2)

E50 E51

E52 E53

E33

E32

E39

E40

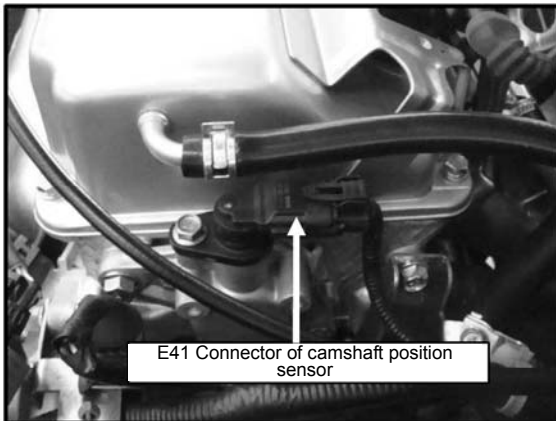
Controller wire harness (3)



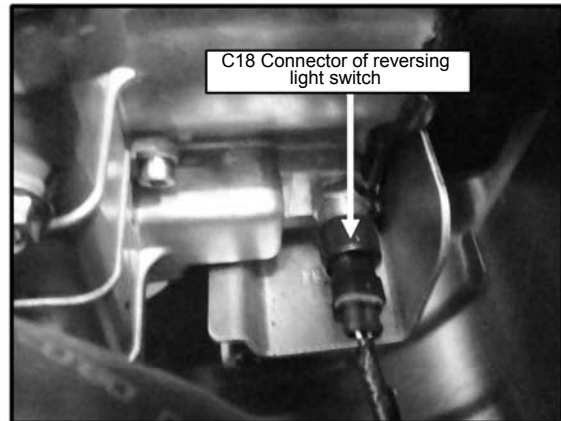
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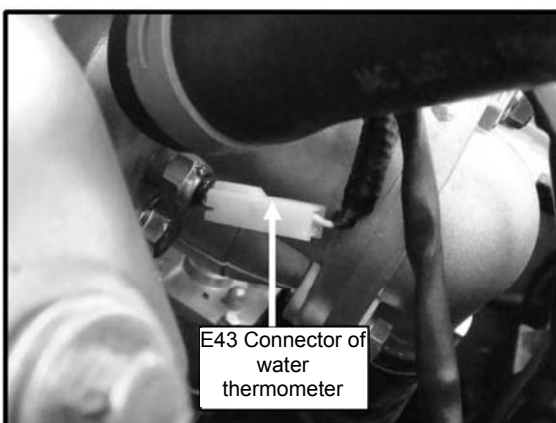
E46 E45



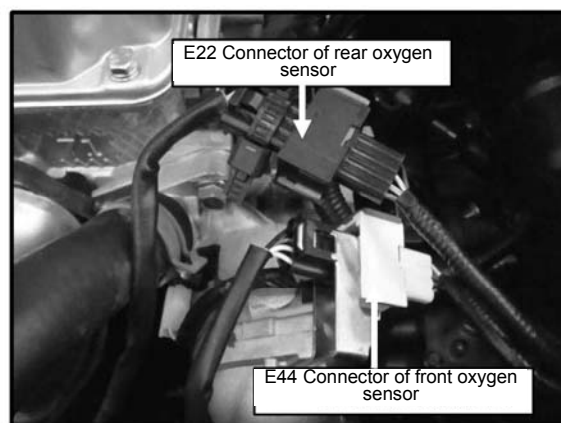
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C18



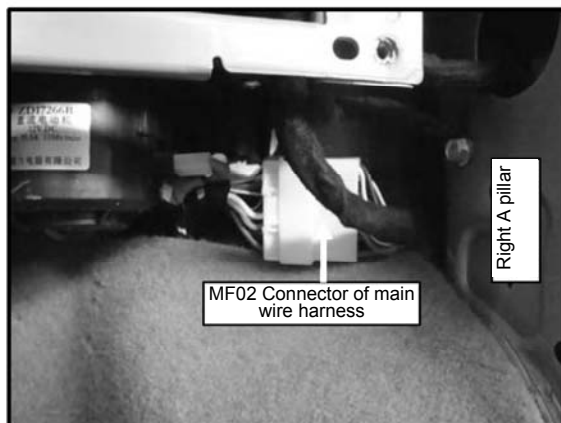
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E44 E22

Right Chassis Wire Harness

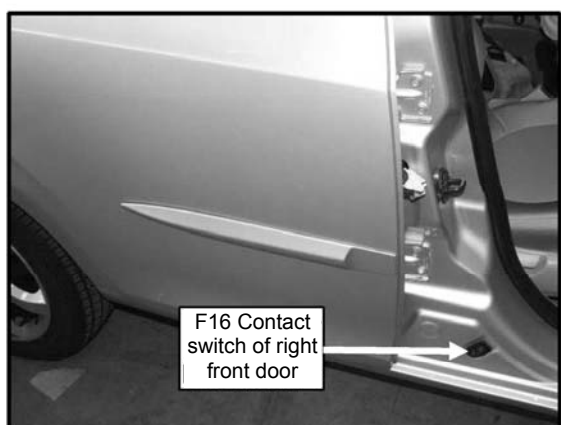
Right chassis wire harness (1)



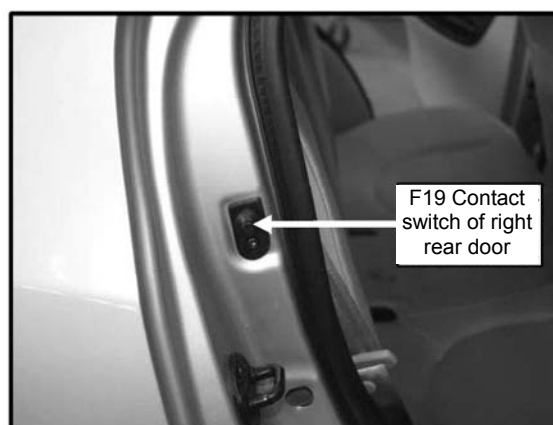
MF02



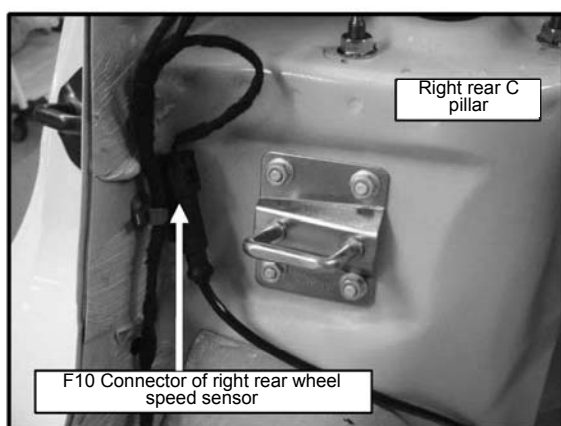
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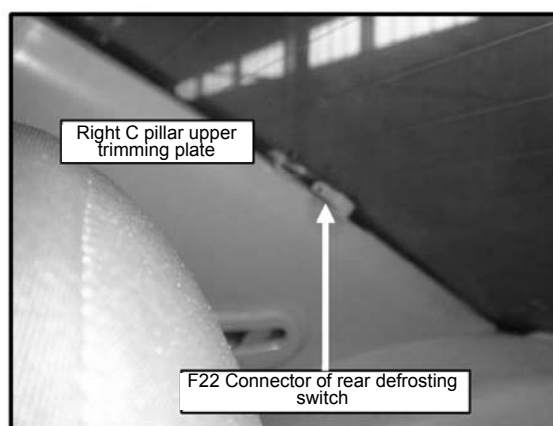
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F19

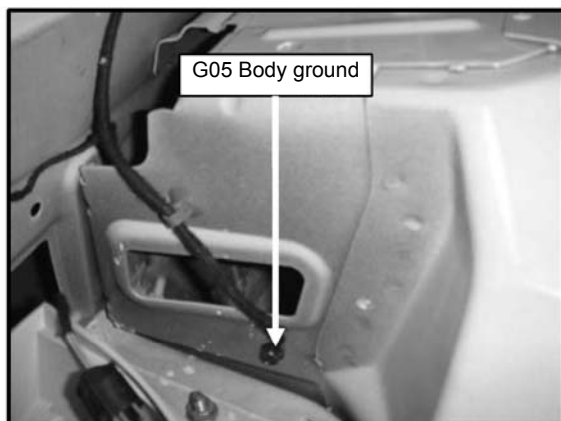


F10



F22

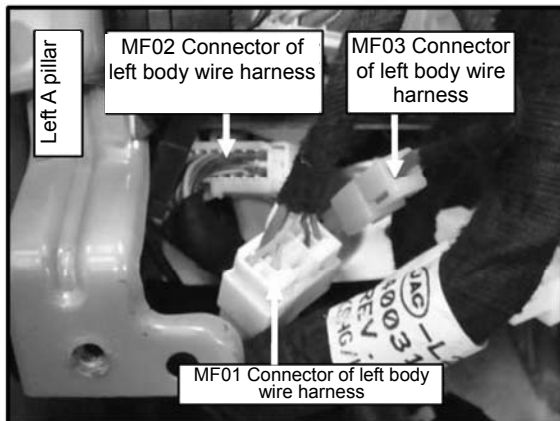
Right chassis wire harness (2)



G05

Left Chassis Wire Harness

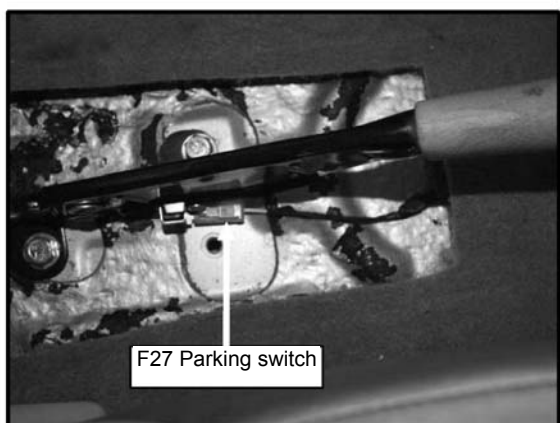
Left chassis wire harness (1)



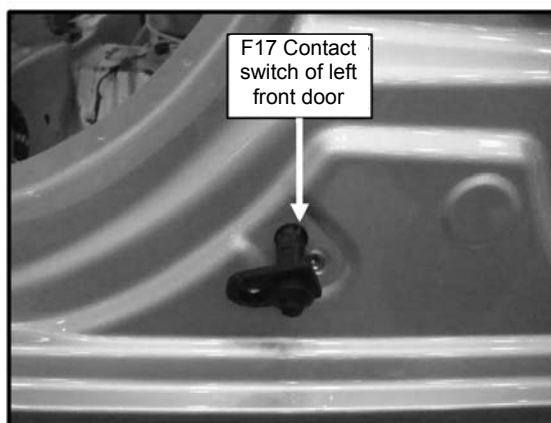
MF01 MF02 MF03



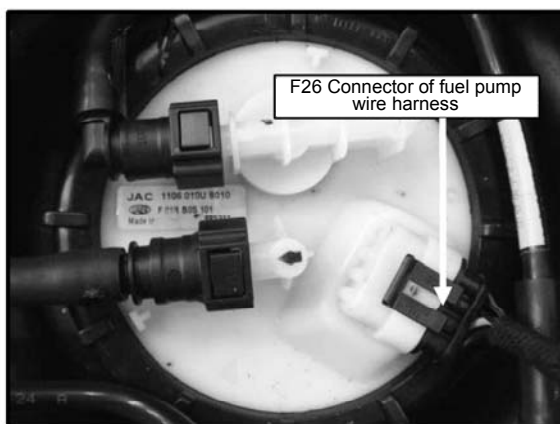
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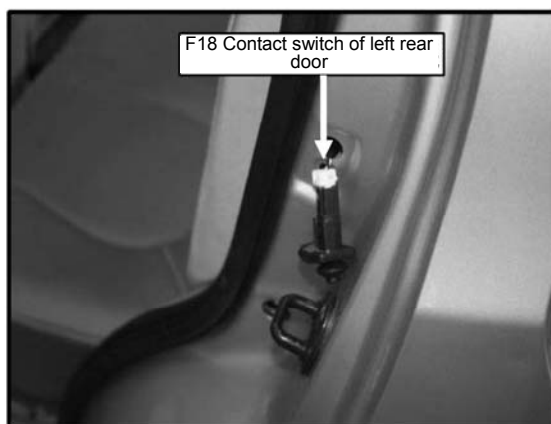
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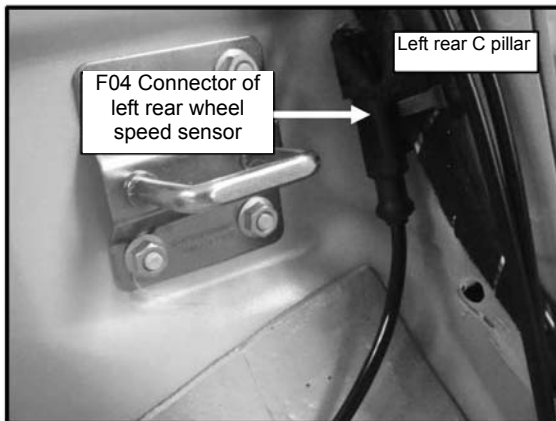
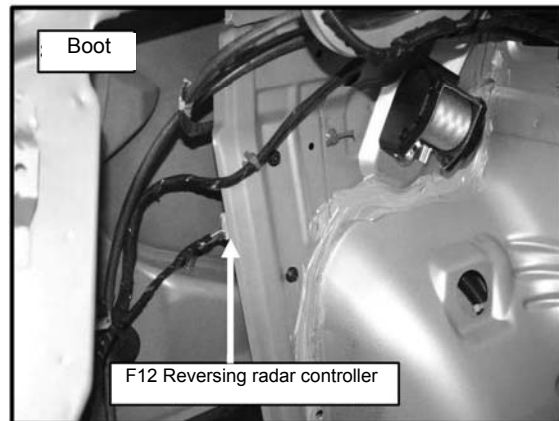
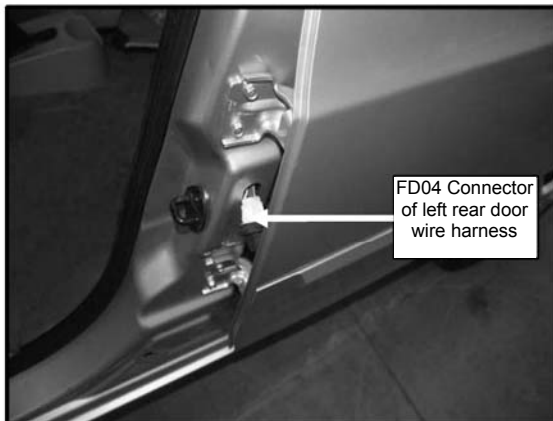
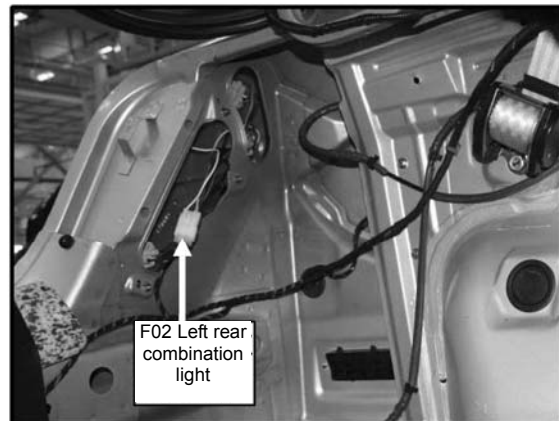
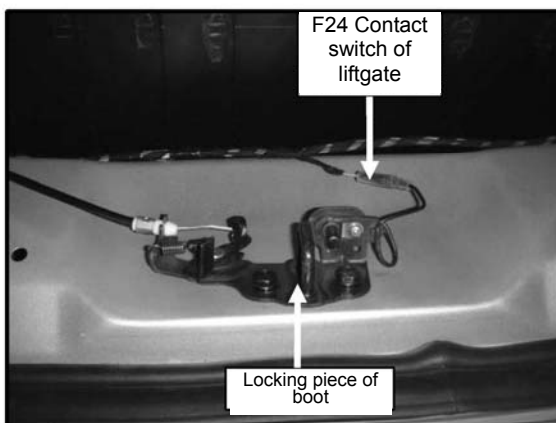
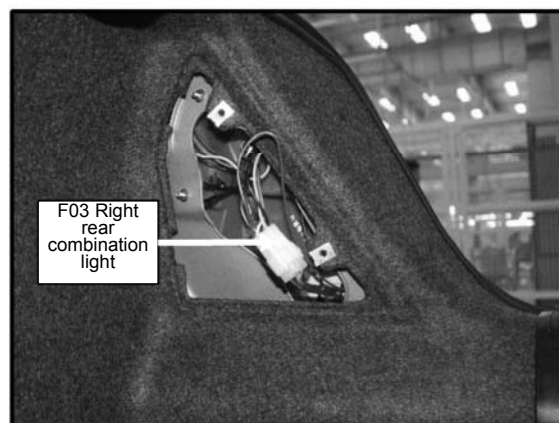
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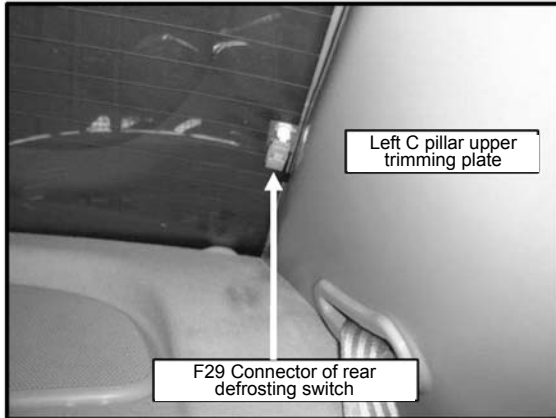
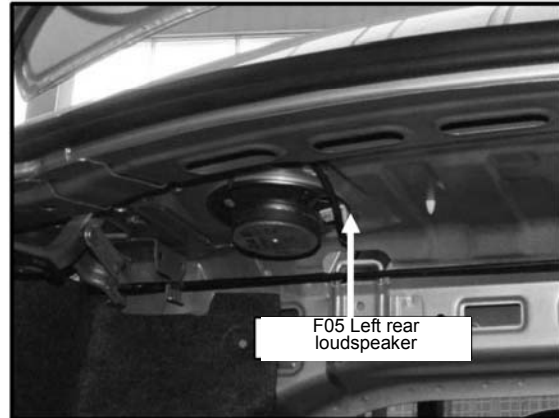
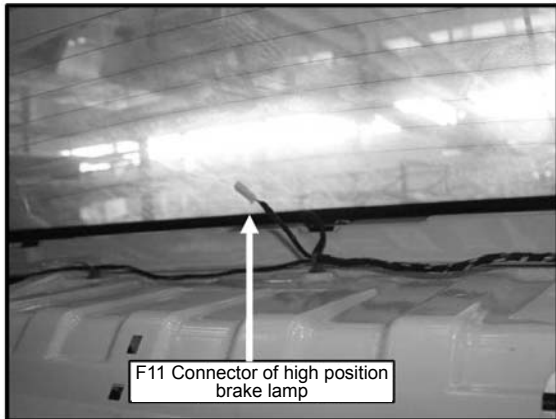


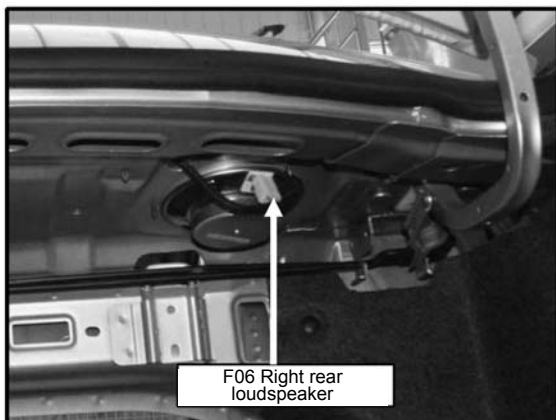
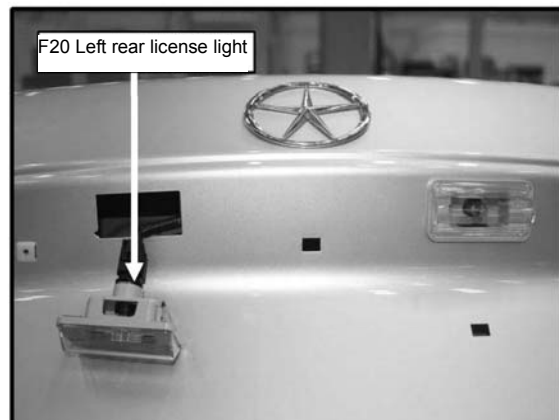
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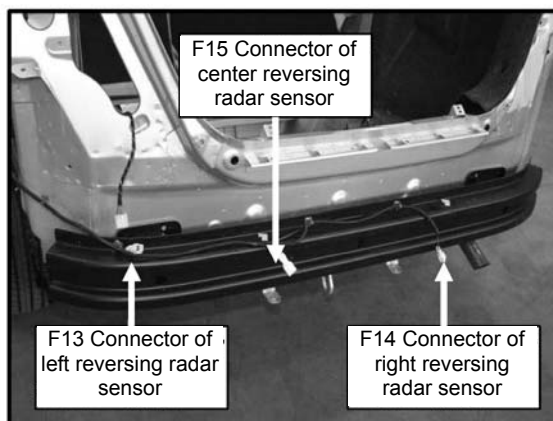
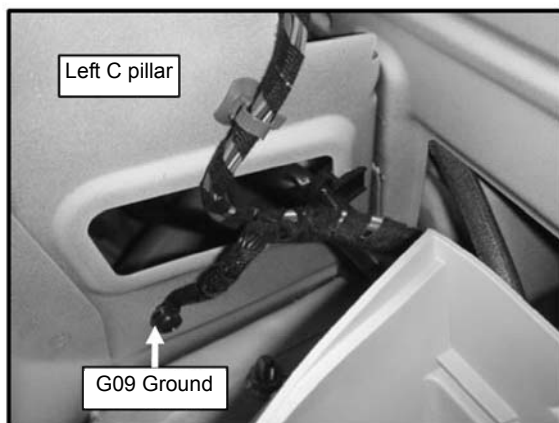
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Left chassis wire harness (2)

F04

F12

FD04

F02

F24

F03

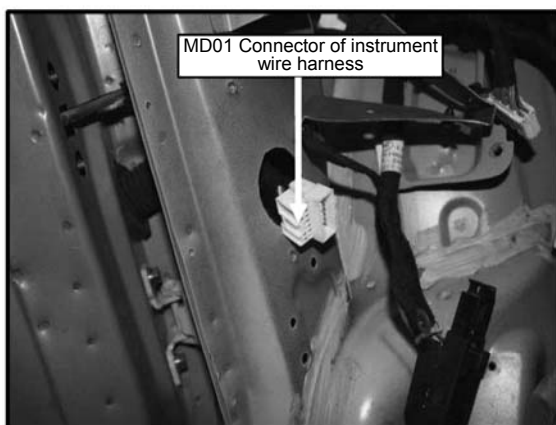
Left chassis wire harness (3)

F29

F05

F11

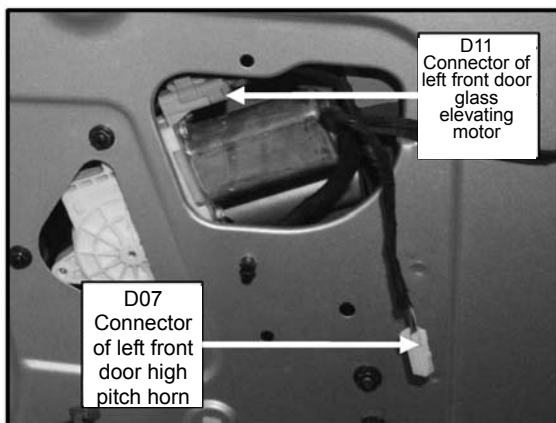
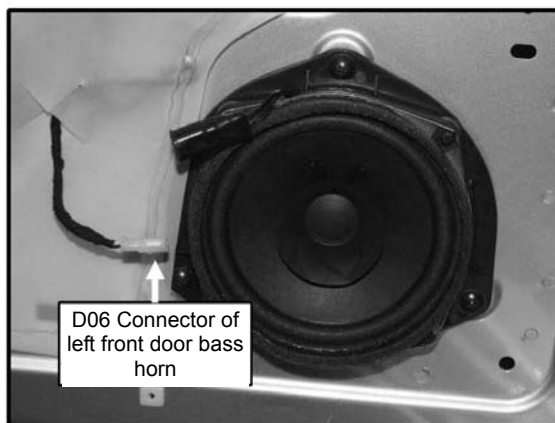
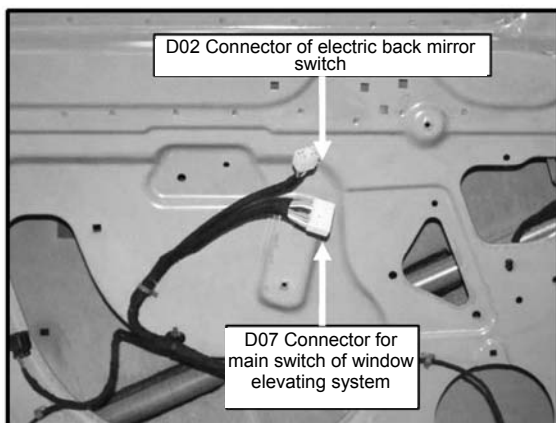
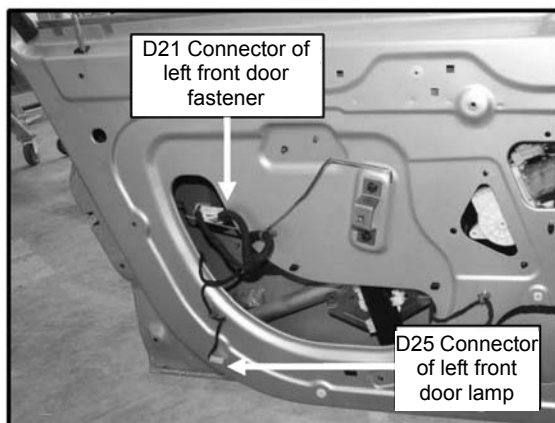
F23

F06

F20

Left chassis wire harness (4)

F21

F13 F14 F15

G09

Left Front Door Wire Harness


MD01

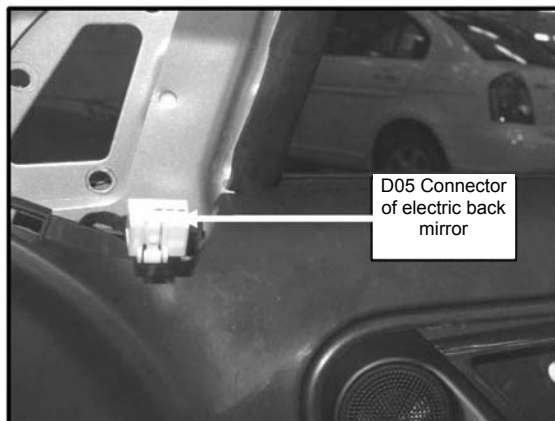
D03

D11 D07

D06

D07 D02

D25 D21

Right Front Door Wire Harness

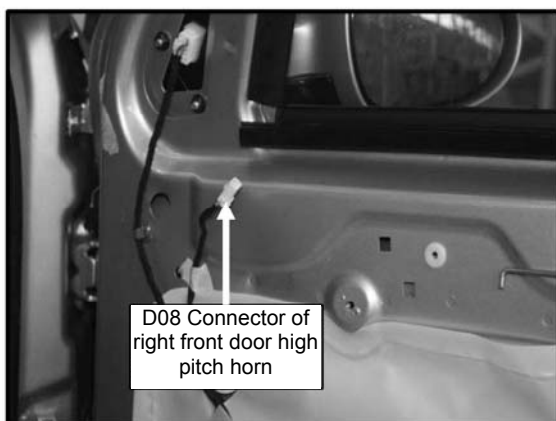
Right front door wire harness (1)



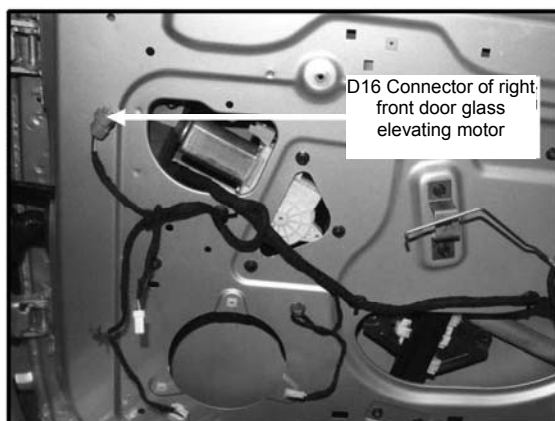
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D05



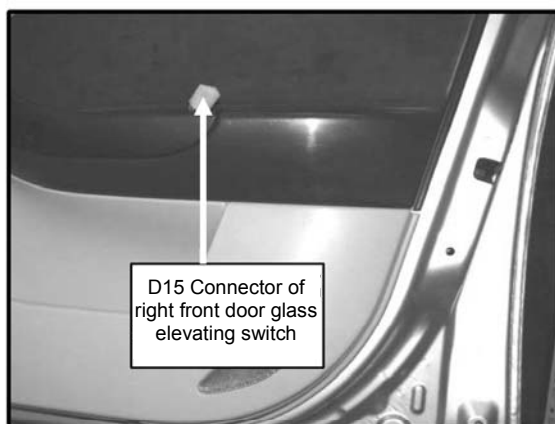
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D16

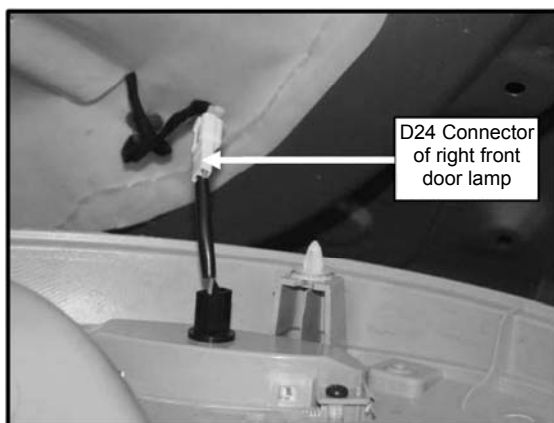
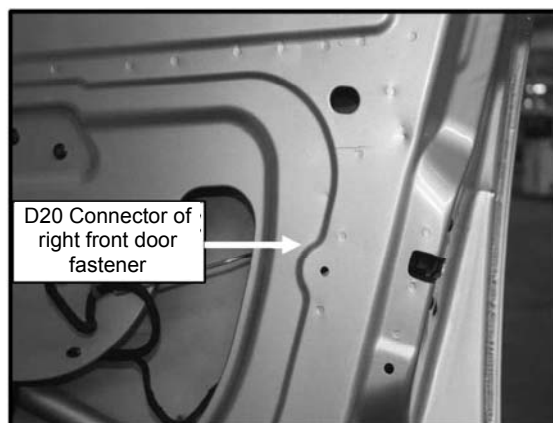


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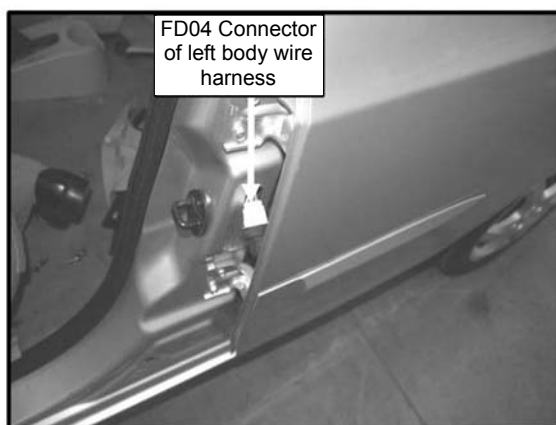
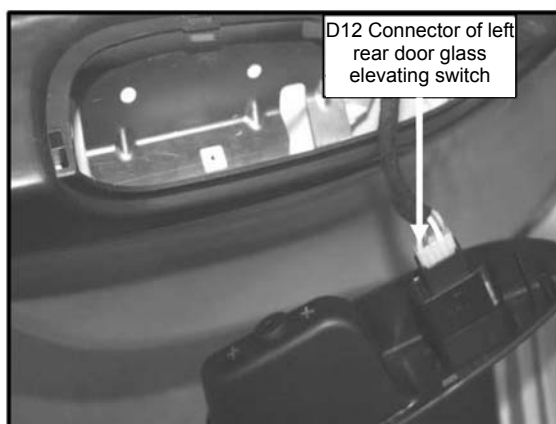


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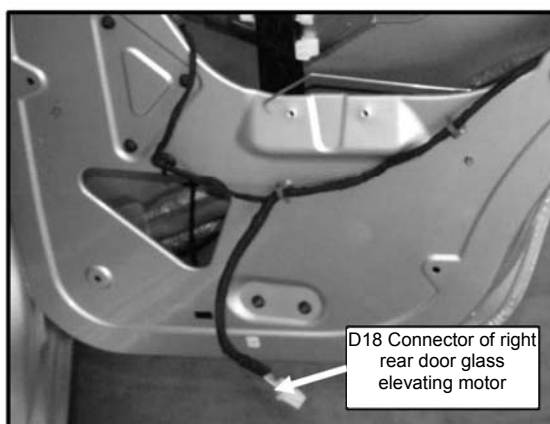
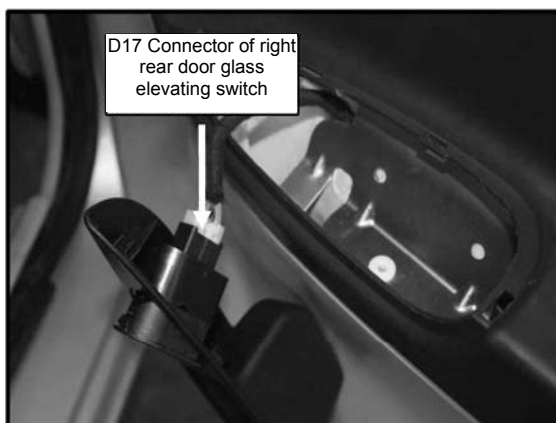
Right front door wire harness (2)

**D24****D20**

Left Rear Door Wire Harness

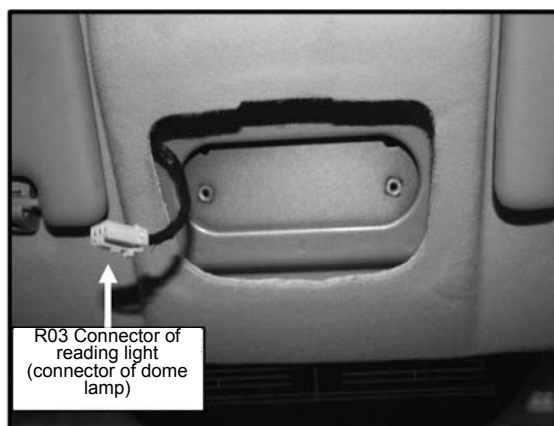

FD04
D13

D12
D23

Right Rear Door Wire Harness


FD05

D18

D17

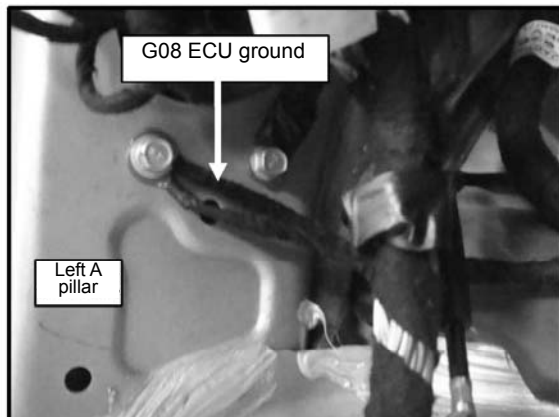
D22

Ceiling Wire Harness

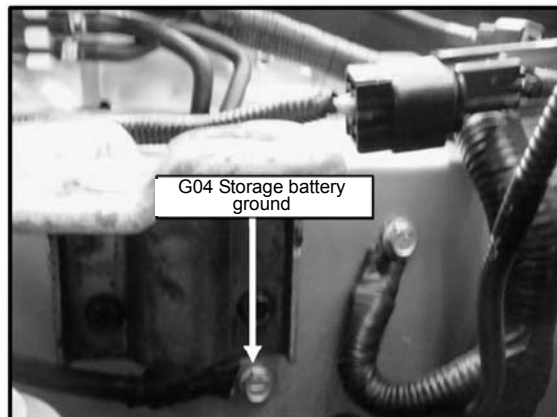
**MR01****R03**

Ground Wire Harness

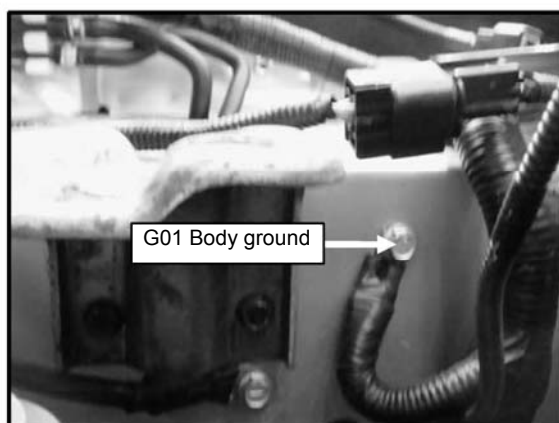
Ground wire harness (1)



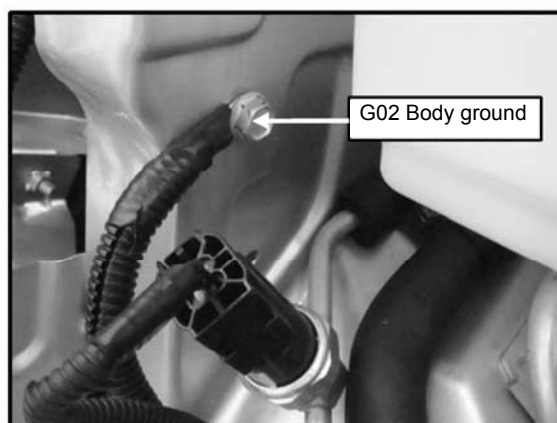
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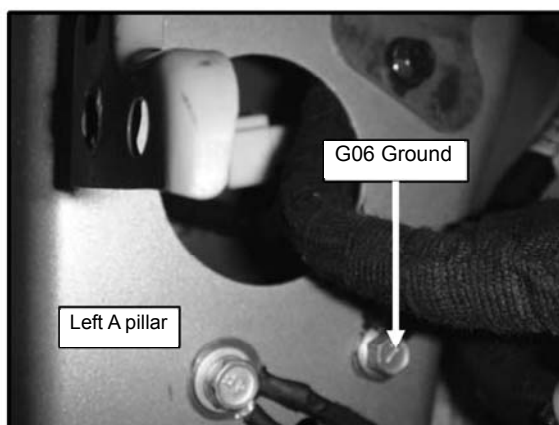
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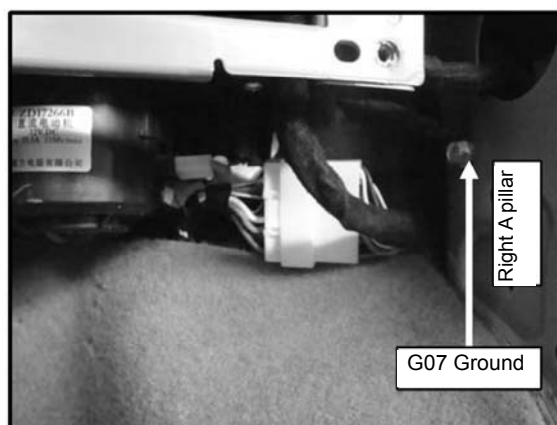
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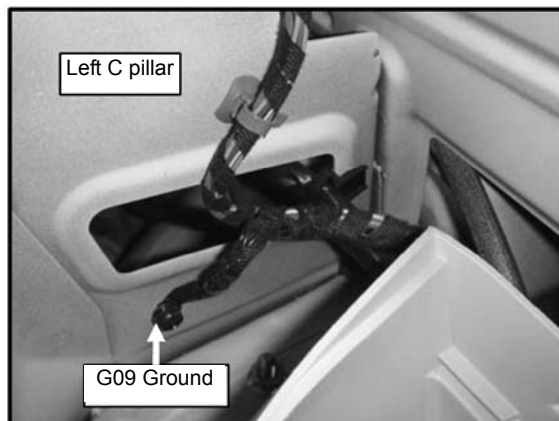
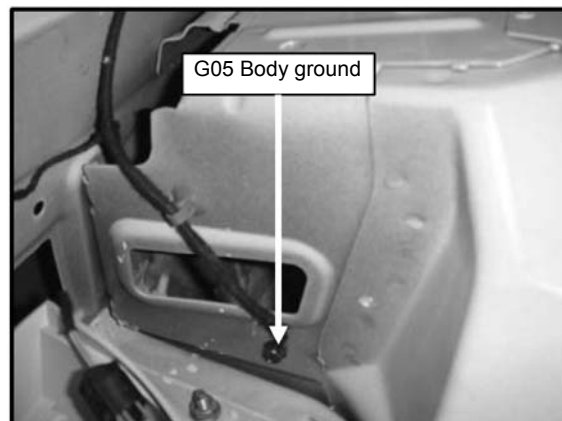
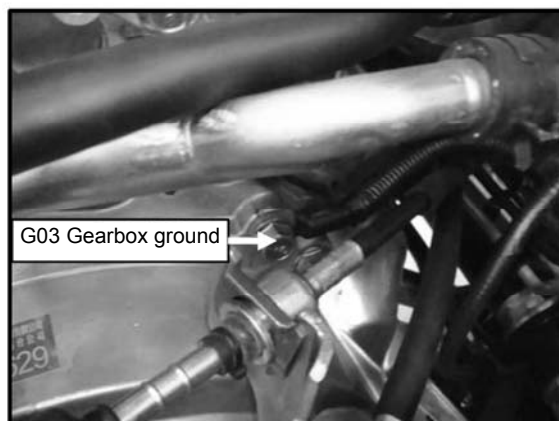
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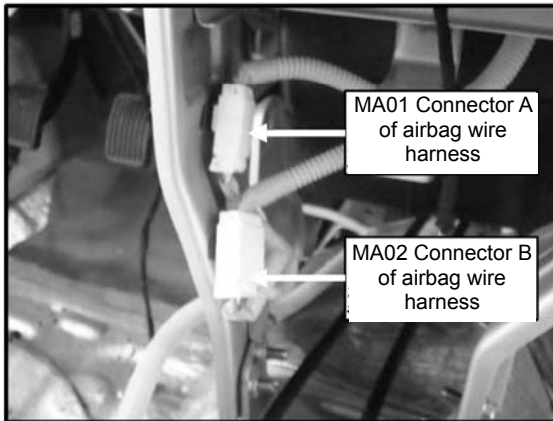
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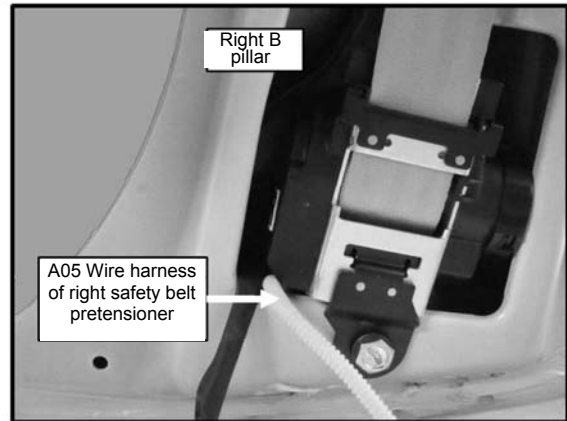
G07

Ground wire harness (2)**G09****G05****G03**

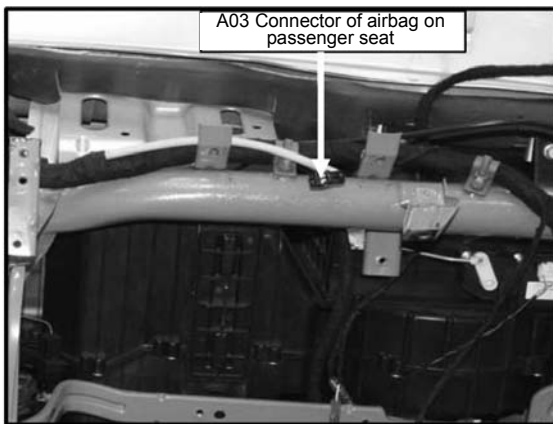
Airbag Wire Harness



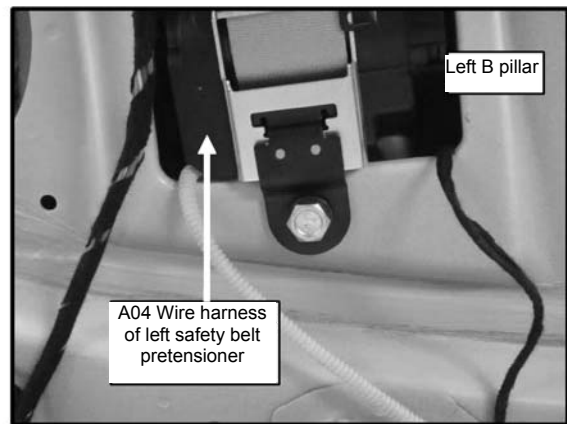
MA01 MA02



A05

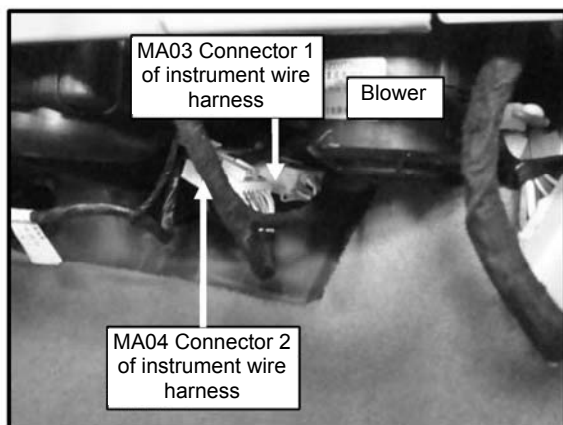


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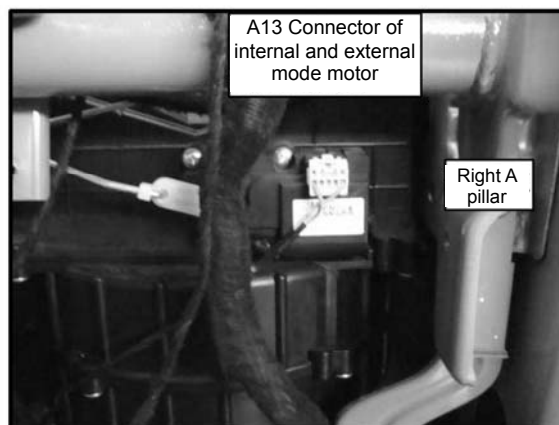


A04

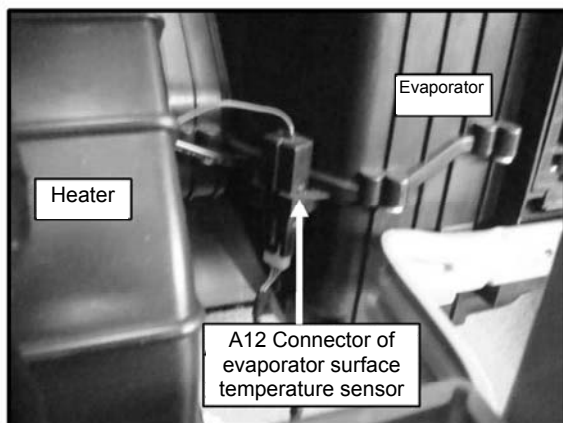
Air Conditioner Wire Harness



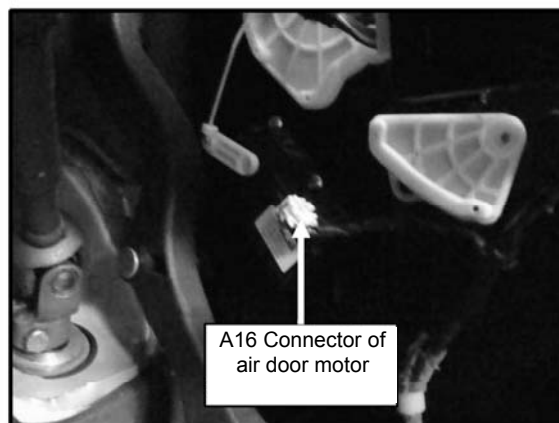
MA03 MA04



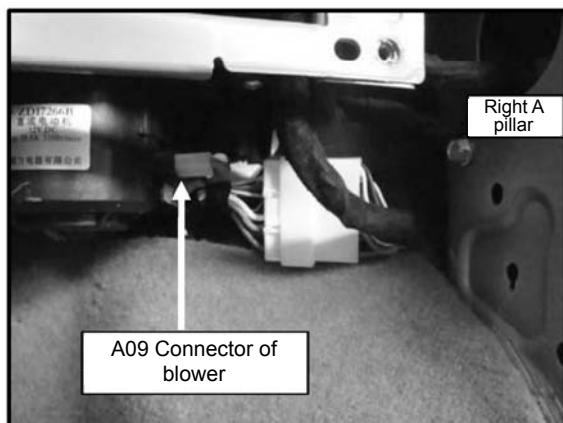
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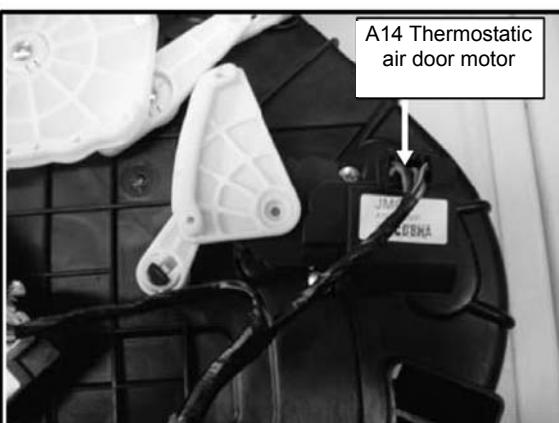
A12



A16



A09



A14

Contents for Wire Harness Layout

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Engine Compartment Wire Harness I.....	3
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Controller Wire Harness	7
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Ceiling Wire Harness.....	17
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Air Conditioner Wire Harness	19

Main Wire Harness

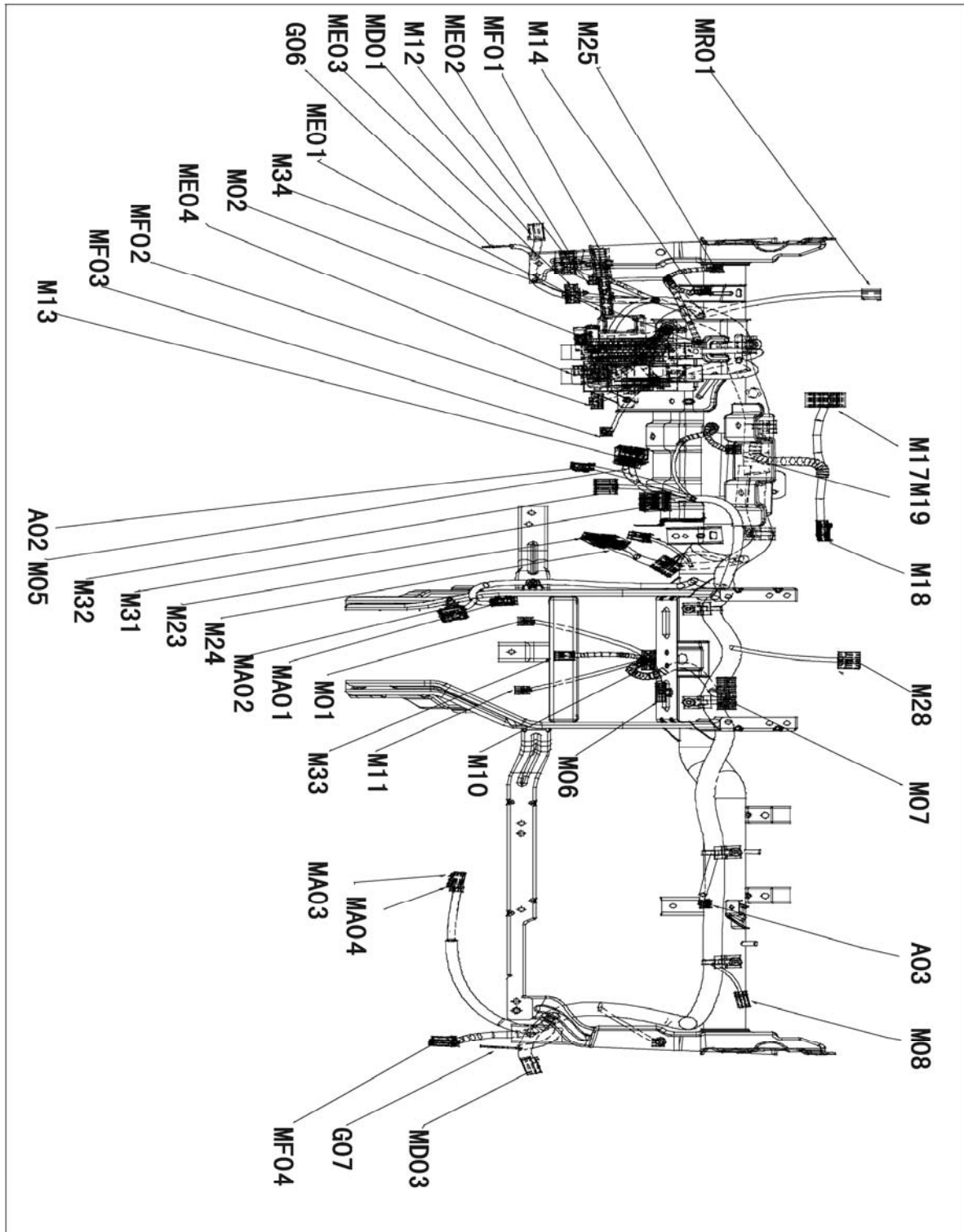


Illustration of Main Wire Harness

M01	Connector of cigarette lighter wire harness	M33	Internal and external circulation switch
M02	Diagnostic connector	M34	Dimmer switch
M05	Combined switch (washing)	A02	Connector for wire harness of airbag on drivers seat
M06	Air conditioning control panel	A03	Connector for wire harness of airbag on passenger seat
M07	CD player	MA01	Connector A of airbag wire harness
M08	Antenna	MA02	Connector B of airbag wire harness
M10	Blower switch	MA03	Connector 1 of air conditioner wire harness
M11	Rear defrosting switch	MA04	Connector 2 of air conditioner wire harness
M12	Buzzer	MD01	Connector of left front door wire harness
M13	Combined switch (lamp)	MD02	Connector of left front door wire harness
M14	Rear fog lamp switch	MD03	Connector of right front door wire harness
M17	Combined device A	ME01	Connector 01 of engine wire harness
M18	Combined device B (blue)	ME02	Connector 02 of engine wire harness
M19	Combined device C	ME03	Connector 03 of engine wire harness
M23	ETACS A	ME04	Connector of engine controller wire harness
M24	ETACS B	MF01	Connector of left body wire harness
M25	Front fog lamp switch	MF02	Connector of left body wire harness
M28	Alarm light switch	MF03	Connector of left body wire harness
M31	Ignition lock	MR01	Connector of ceiling wire harness
M32	Insert-key illumination	G06	Ground of main wire harness
		G07	Ground

Engine Compartment Wire Harness I

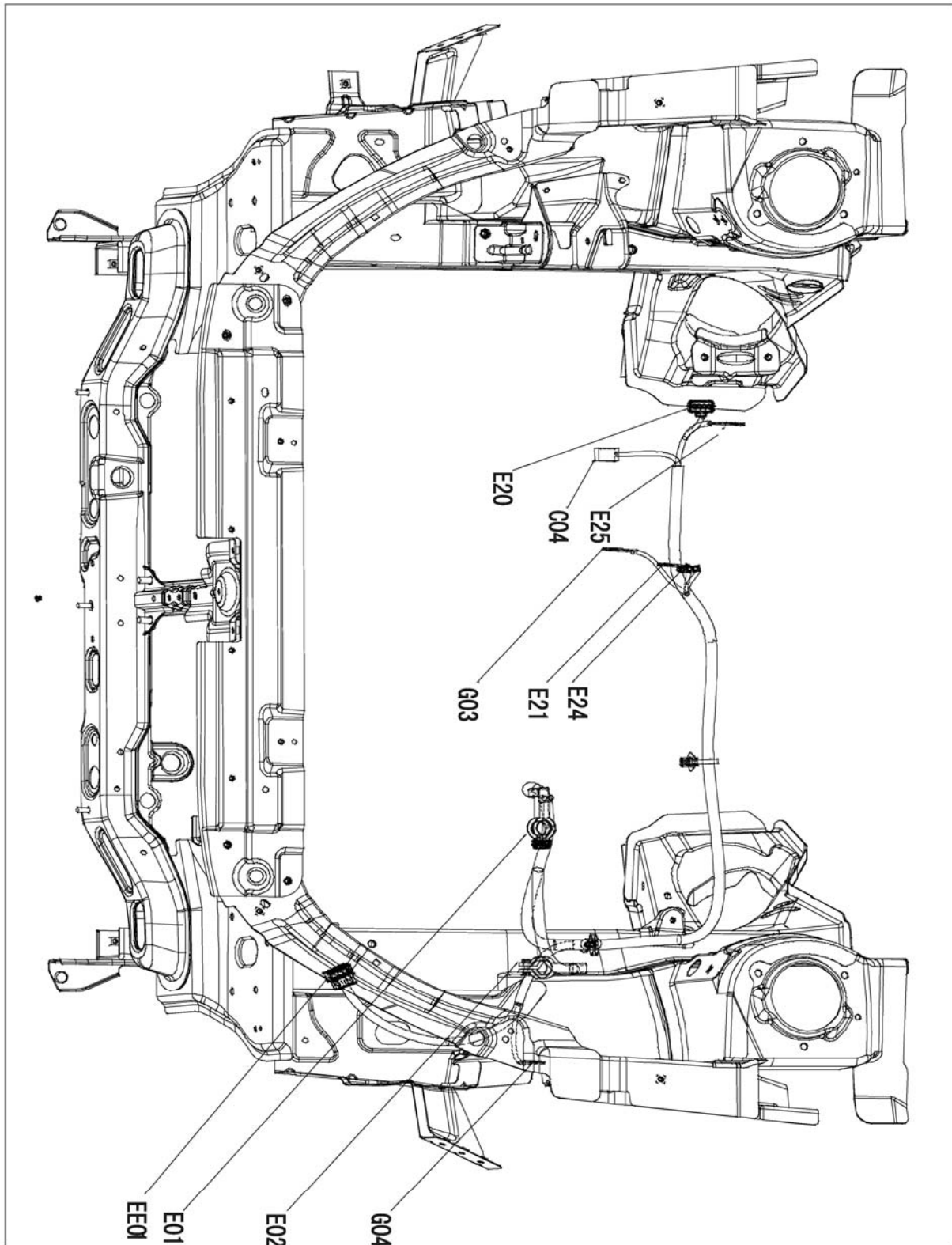


Illustration of Engine Compartment Wire Harness I

C04	Engine oil pressure sensor	E24	Starter switch
E01	Positive pole of storage battery	E25	Electric generator power supply
E02	Negative pole of storage battery	EE01	Connector of engine wire harness
E20	Engine excitation connector	G03	Starter ground
E21	Starter power supply	G04	Storage battery ground

Engine Compartment Wire Harness II

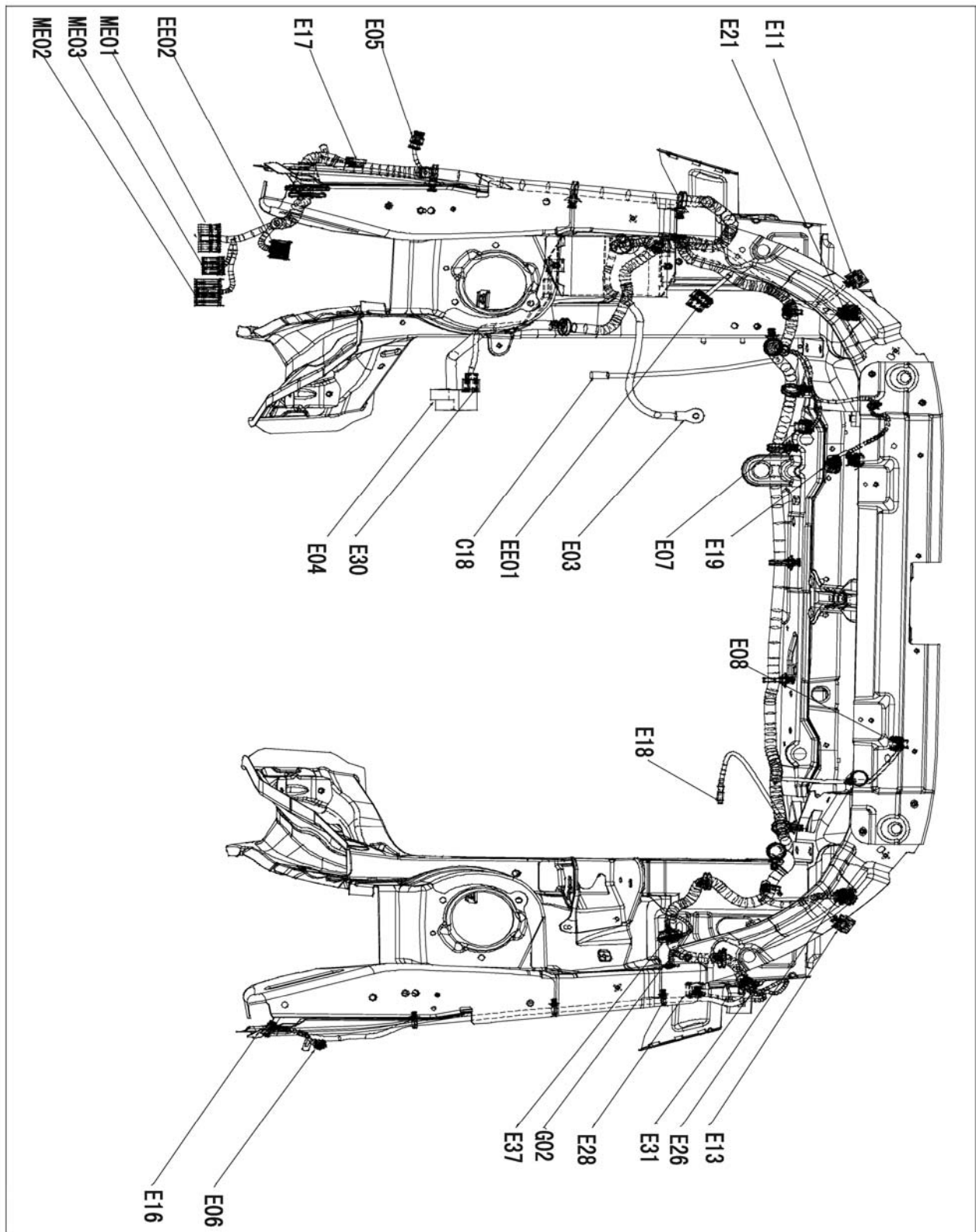


Illustration of Engine Compartment Wire Harness II

E03	Connector for the positive pole of power supply
E04	ABS ECU connector
E05	Connector of left front wheel speed sensor
E06	Connector of right front wheel speed sensor
E07	Connector of radiator fan
E11	Connector of left front fog lamp
E13	Right front combination light
E16	Right turn light
E17	Left turn light
E18	Connector of air-conditioned compressor
E19	Connector of high pitch horn
E21	Left front combination light
E26	Connector of right front fog lamp
E28	Connector of washing solution motor
E30	Brake fluid level sensor
E31	Connector of rear washing solution motor
E37	Connector of three-way pressure switch
EE01	Connector of engine wire harness
EE02	Connector of engine controller wire harness
ME01	Connector 01 of engine wire harness
ME02	Connector 02 of engine wire harness
ME03	Connector 03 of engine wire harness
G01	Body ground
G02	Body ground

Controller Wire Harness

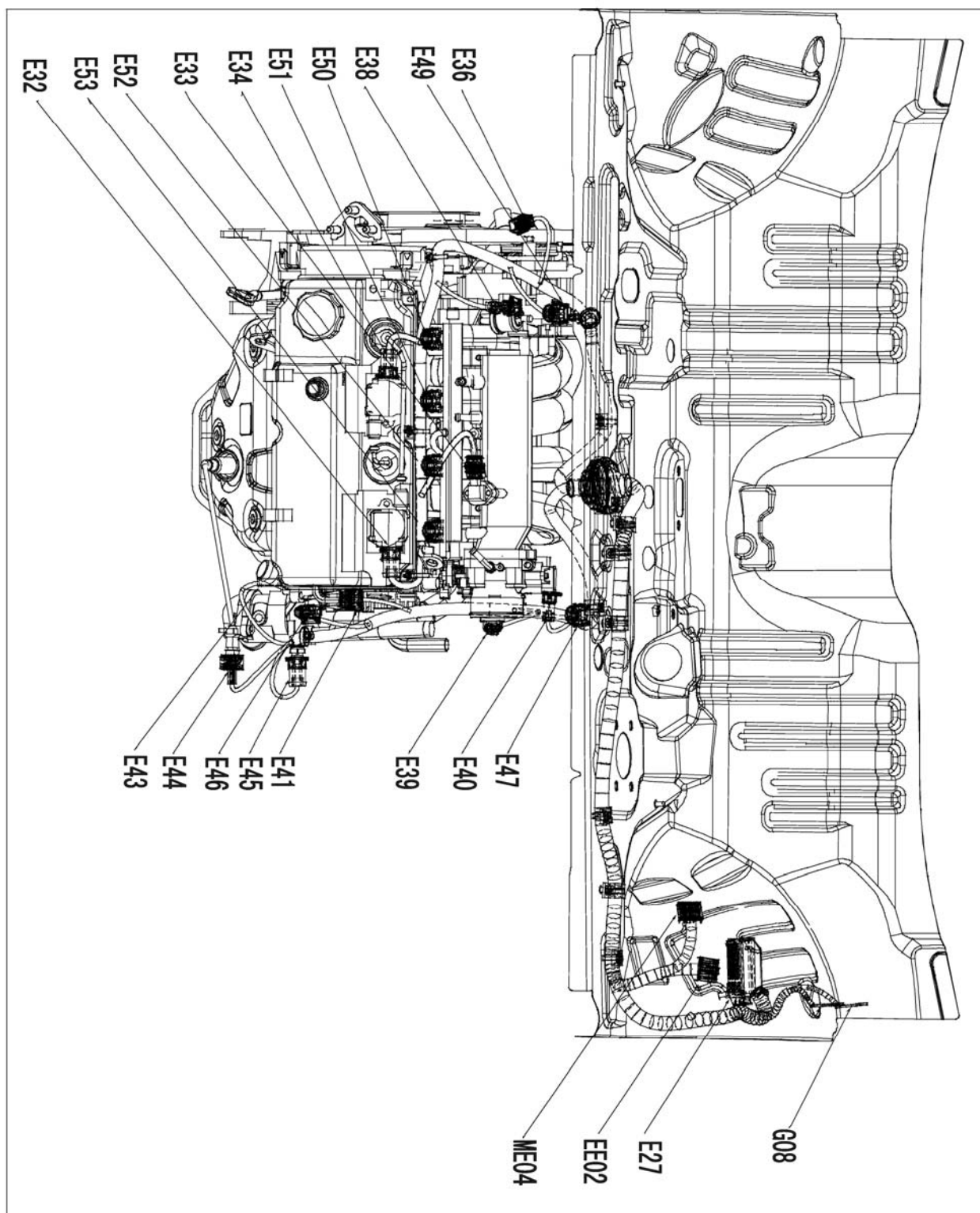


Illustration of Engine Controller Wire Harness

E22	Connector of rear oxygen sensor	E46	Connector of crankshaft position sensor
E27	Engine ECU connector	E47	Connector of speed sensor
E32	Ignition coil (Cylinder II, III)	E49	Connector of knock sensor
E33	Connector of intake air pressure and temperature sensor	E50	Nozzle 1
E34	Ignition coil (Cylinder I, IV)	E51	Nozzle 2
E36	Connector of wiper motor	E52	Nozzle 3
E38	Carbon canister solenoid valve	E53	Nozzle 4
E39	Connector of stepper motor	EE02	Connector 01 of engine wire harness
E40	Connector of air throttle position sensor	ME04	Connector 04 of instrument wire harness
E41	Connector of camshaft position sensor	G08	ECU ground
E43	Connector of water thermometer		
E44	Connector of front oxygen sensor		

Right Chassis Wire Harness

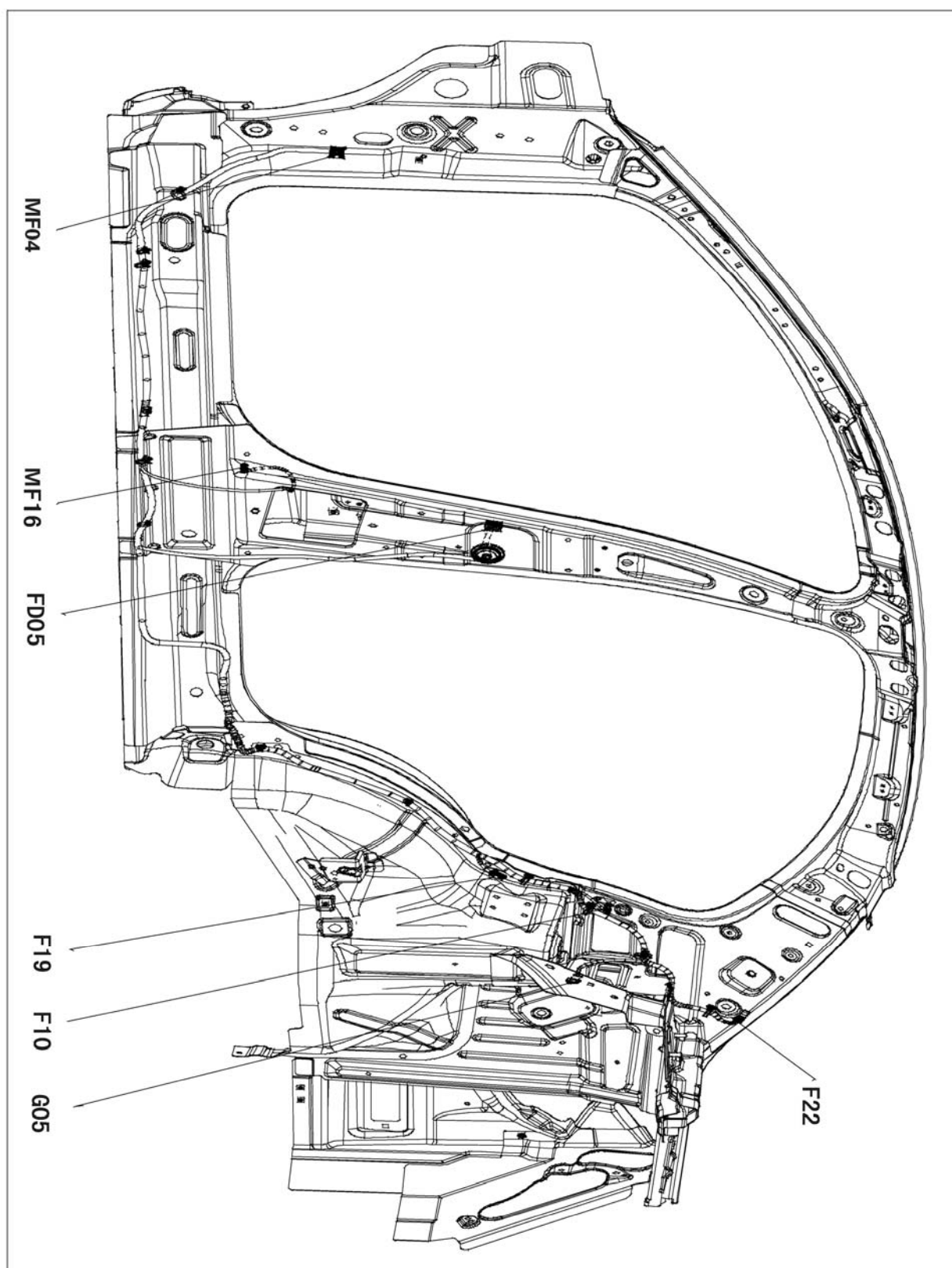


Illustration of Right Chassis Wire Harness

MF04	Connector of right body wire harness
FD05	Connector of right rear door wire harness
F10	Connector of right rear wheel speed sensor
F16	Contact switch of right front door
F19	Contact switch of right rear door
F22	Rear defrosting connector
G05	Body ground

Left Chassis Wire Harness

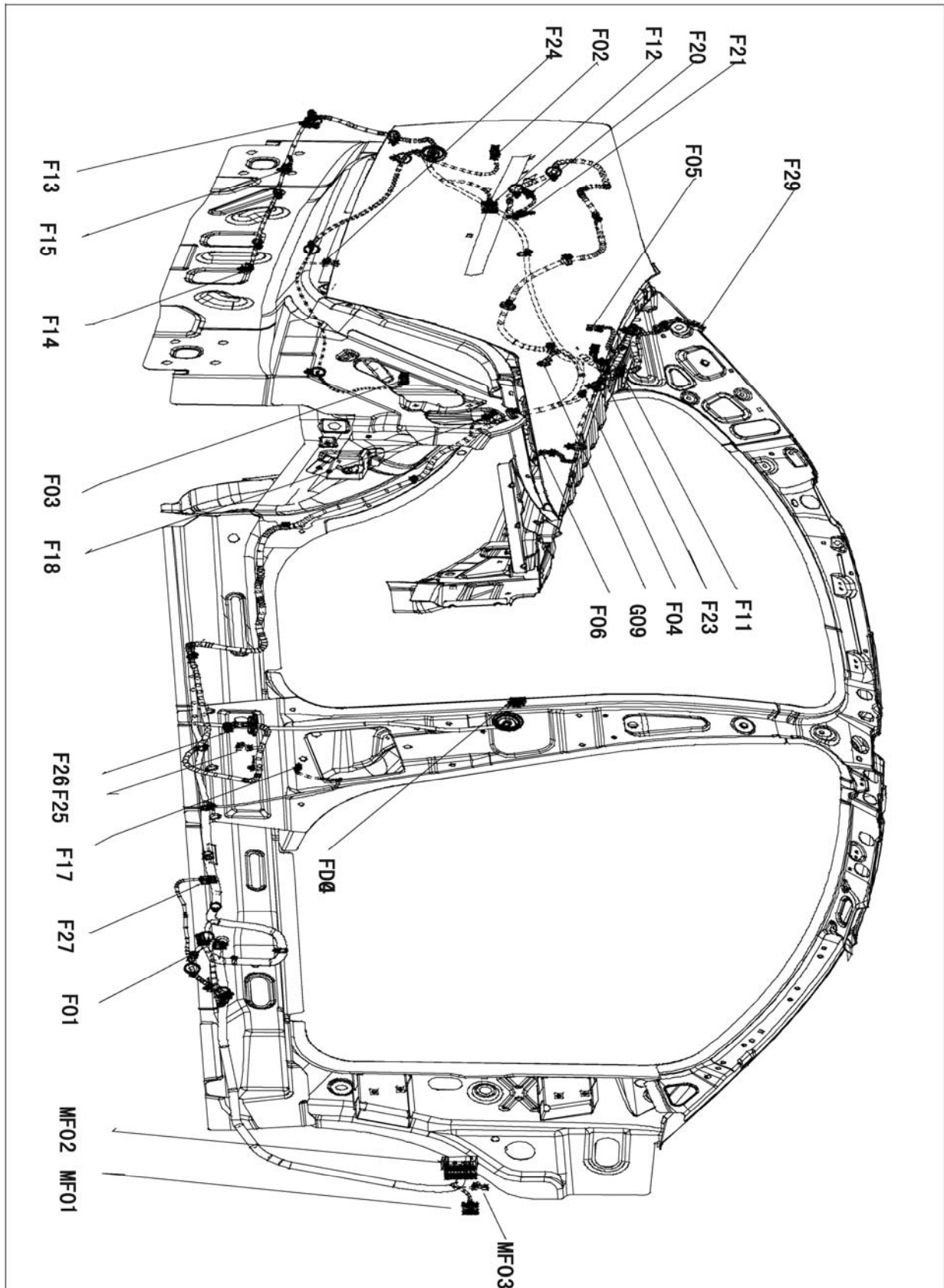


Illustration of Left Chassis Wire Harness

F01	Switch for mortise lock of safety belt	F20	Left license light
F02	Left rear combination light	F21	Right license light
F03	Right rear combination light	F23	Boot illumination
F04	Left rear wheel speed sensor	F24	Boot contact switch
F05	Left rear loudspeaker	F25	Fuel filter ground
F06	Right rear loudspeaker	F26	Fuel pump
F11	High position brake lamp	F27	Parking switch
F12	Reversing radar controller	F29	Rear defrosting connector
F13	Left reversing radar sensor	MF01	Connector 01 of left body wire harness
F14	Right reversing radar sensor	MF02	Connector 02 of left body wire harness
F15	Center reversing radar sensor	MF03	Connector 03 of left body wire harness
F17	Contact switch of left front door	FD04	Connector of left rear door wire harness
F18	Contact switch of left rear door	G09	Ground

Left Front Door Wire Harness

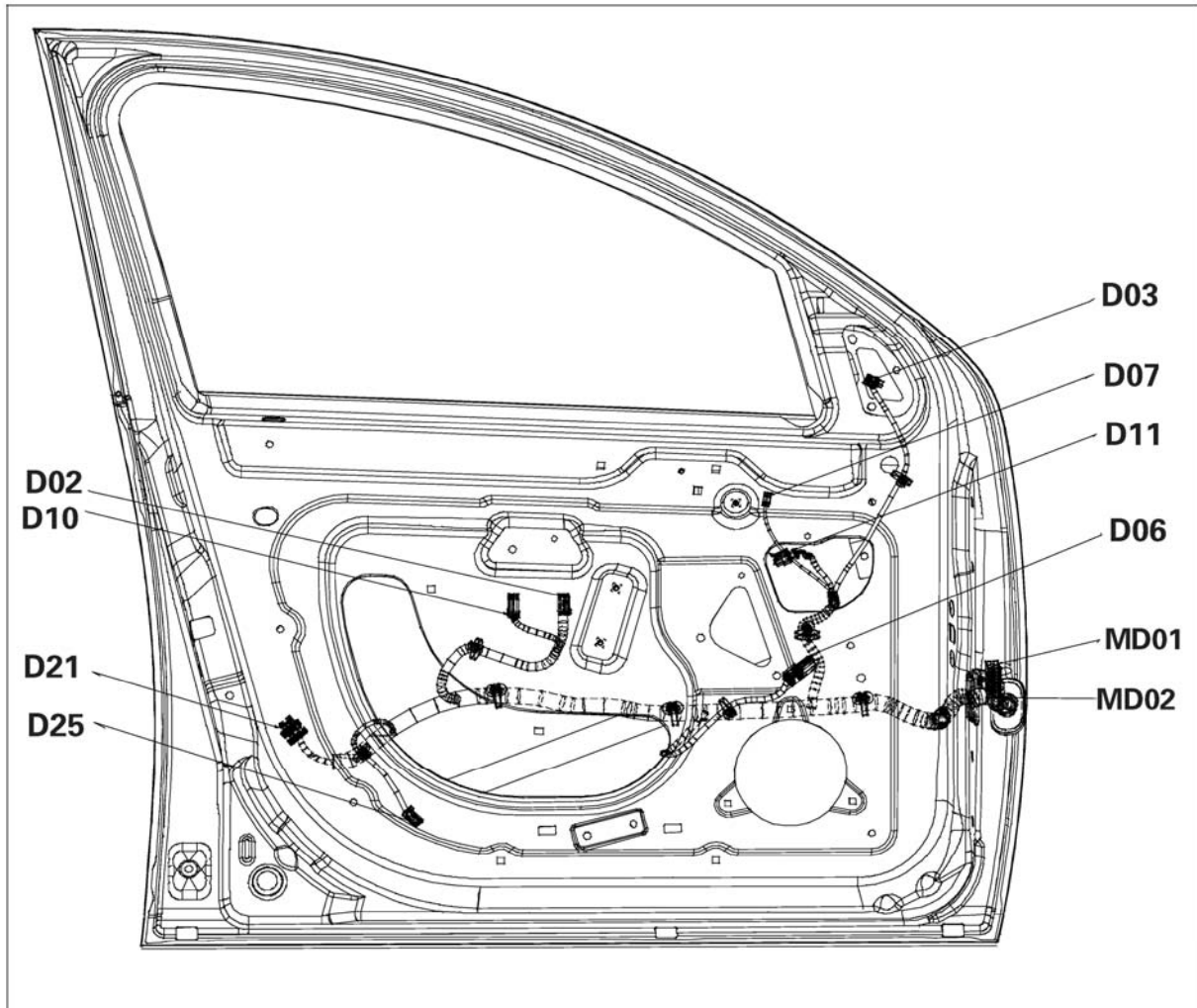


Illustration of Left Front Door Wire Harness

D02	Back mirror switch
D03	Connector of electric back mirror
D06	Connector of left front door bass horn
D07	Connector of left front door high pitch horn
D10	Main switch of window elevating system
D11	Connector of left front door glass elevating motor
D21	Connector of left front door fastener
D25	Connector of left front door lamp
MD01	Connector 01 of left front door wire harness
MD02	Connector 02 of left front door wire harness

Right Front Door Wire Harness

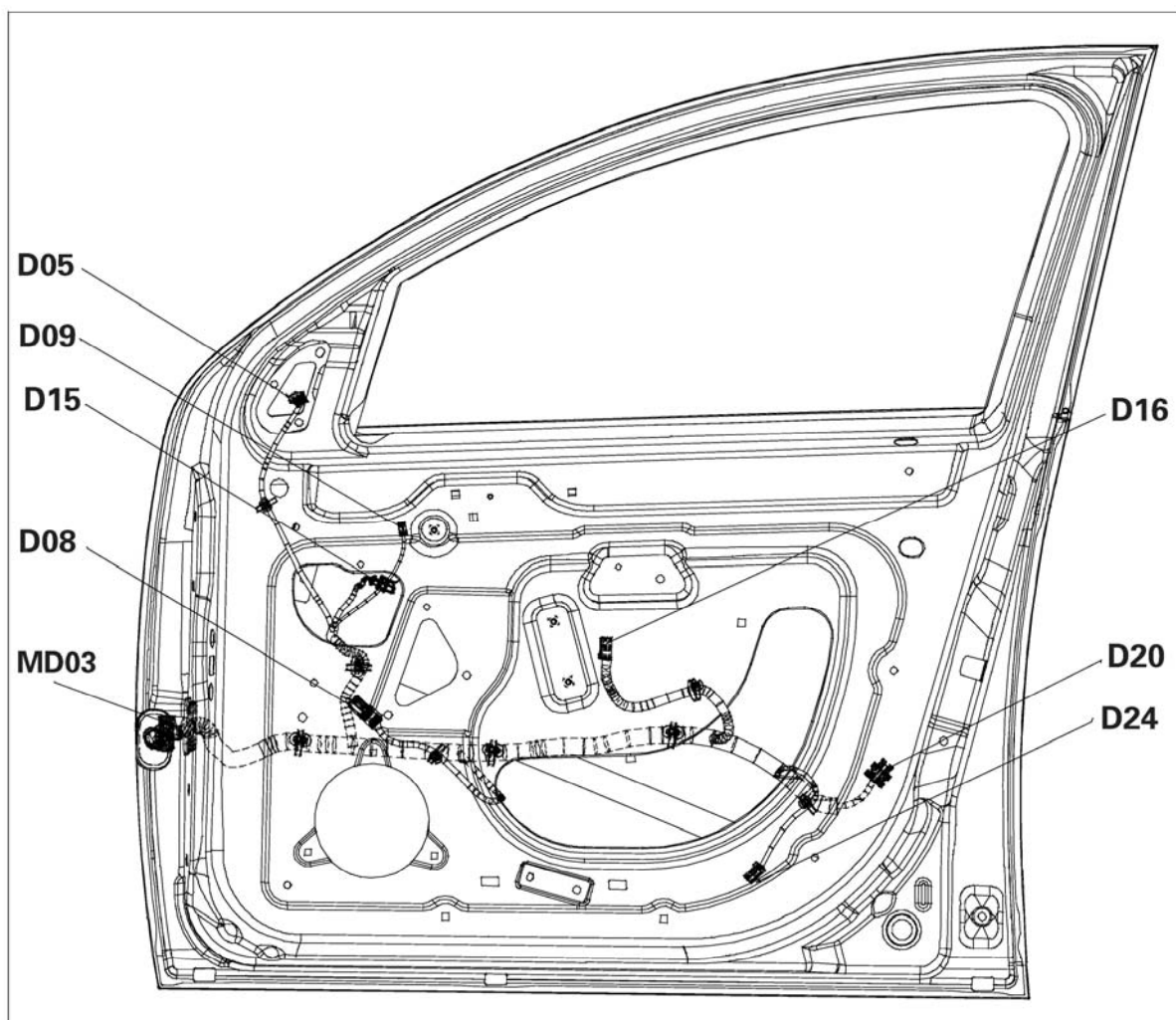


Illustration of Right Front Door Wire Harness

D05	Electric back mirror
D08	Connector of right front door bass horn
D09	Connector of right front door high pitch horn
D15	Connector of right front door glass elevating switch
D16	Connector of right front door glass elevating motor
D24	Connector of right front door lamp
D20	Connector of right front door fastener
MD03	Connector of instrument wire harness

Left Rear Door Wire Harness

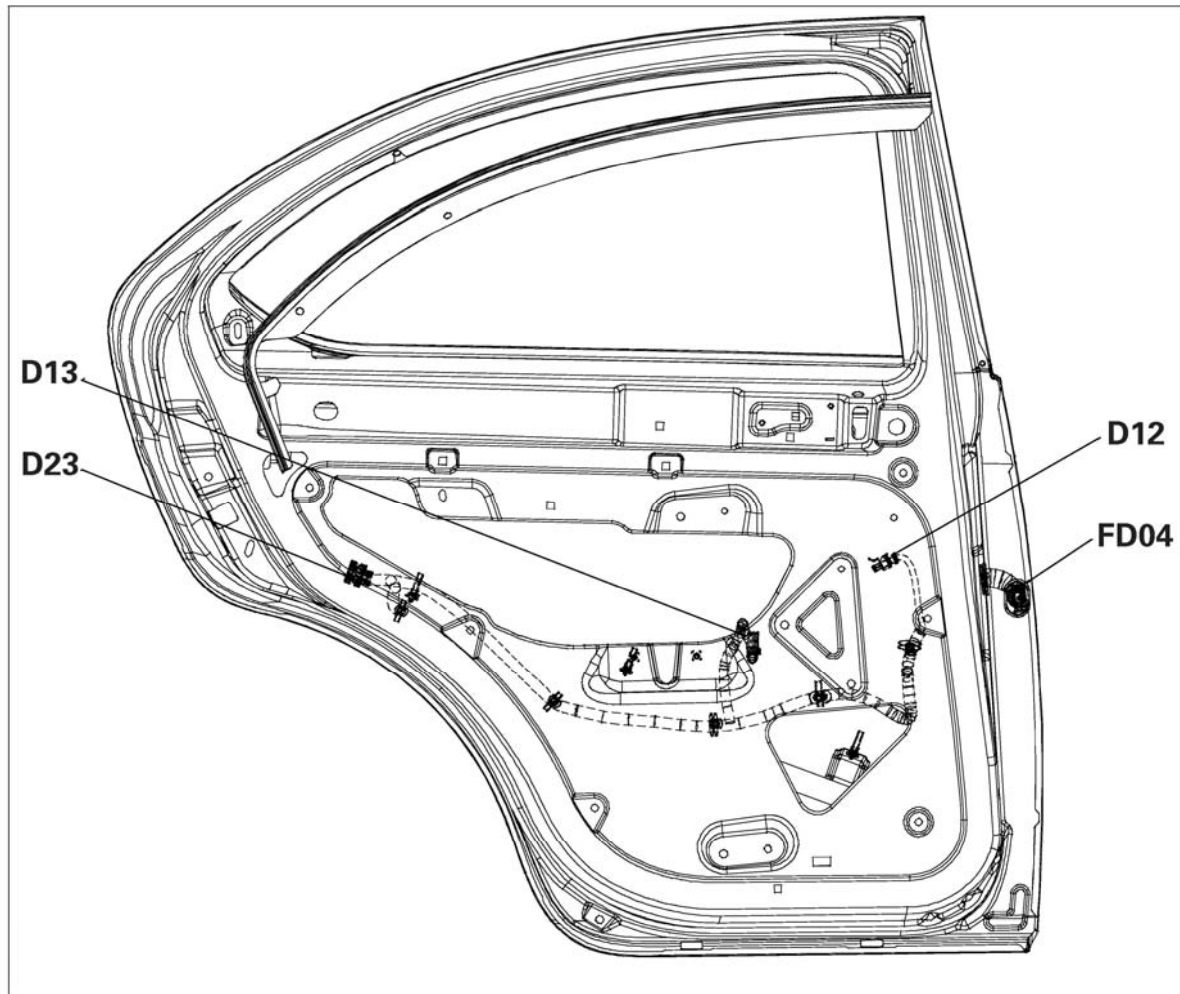


Illustration of Left Rear Door Wire Harness

- D12 Connector of left rear door glass elevating switch
- D13 Connector of left rear door glass elevating motor
- D23 Connector of left rear door fastener
- FD04 Connector of left body wire harness

Right Rear Door Wire Harness

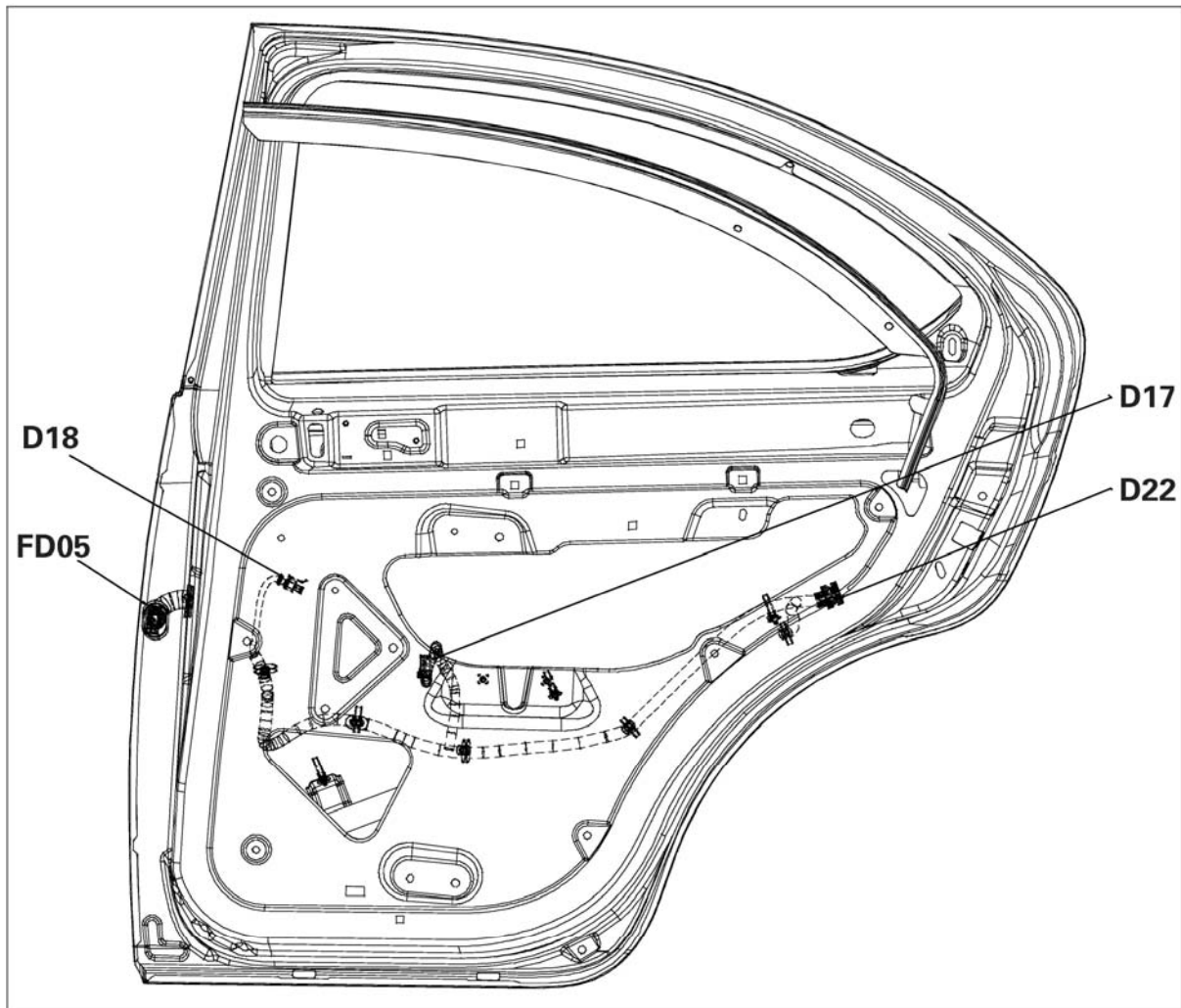


Illustration of Right Rear Door Wire Harness

- D17 Connector of right rear door glass elevating switch
- D18 Connector of right rear door glass elevating motor
- D22 Connector of right rear door fastener
- FD05 Connector of right body wire harness

Ceiling Wire Harness

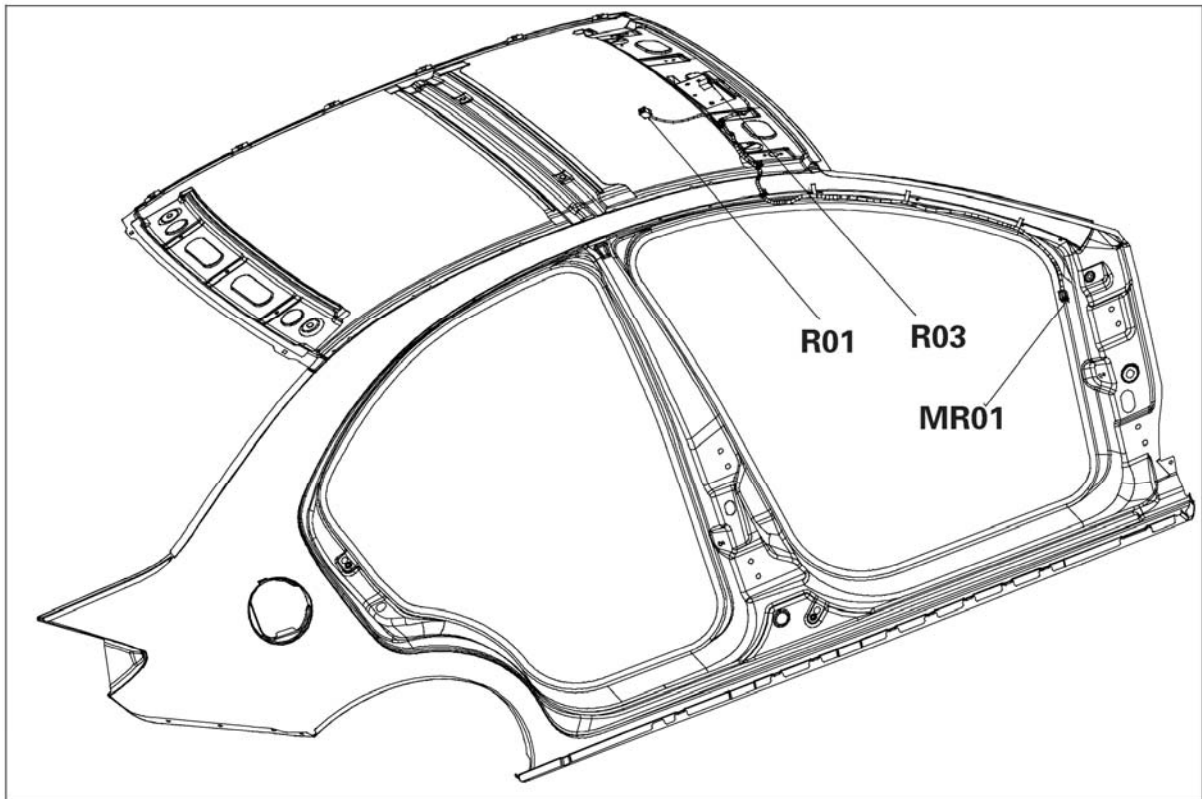


Illustration of Ceiling Wire Harness

- R01 Connector of electric sun roof
- R03 Connector of dome lamp
- MR01 Connector of main wire harness

Airbag Wire Harness

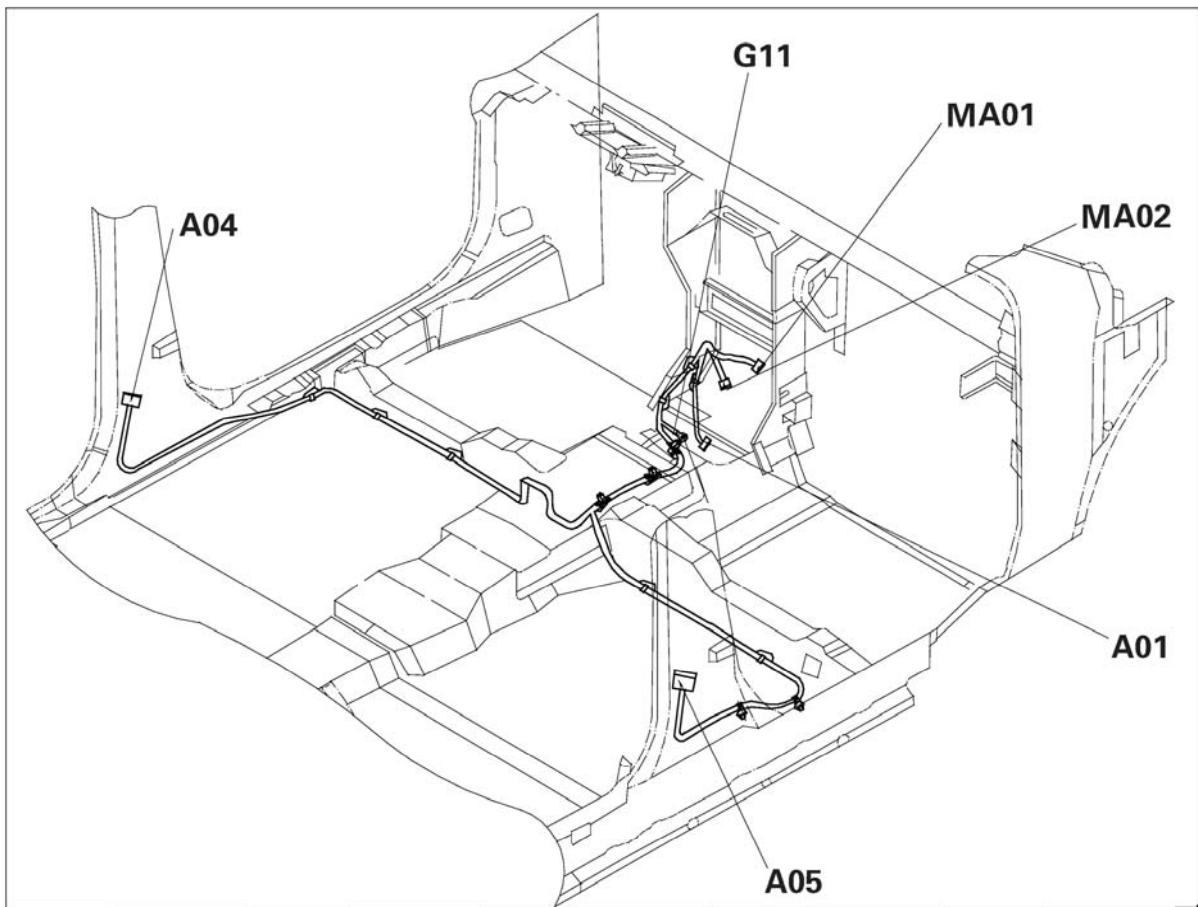


Illustration of Airbag Wire Harness

- MA01 Connector 01 of instrument wire harness
- MA02 Connector 02 of instrument wire harness
- A01 Airbag ECU
- A04 Left safety belt pretensioner
- A05 Right safety belt pretensioner
- G11 Ground

Air Conditioner Wire Harness

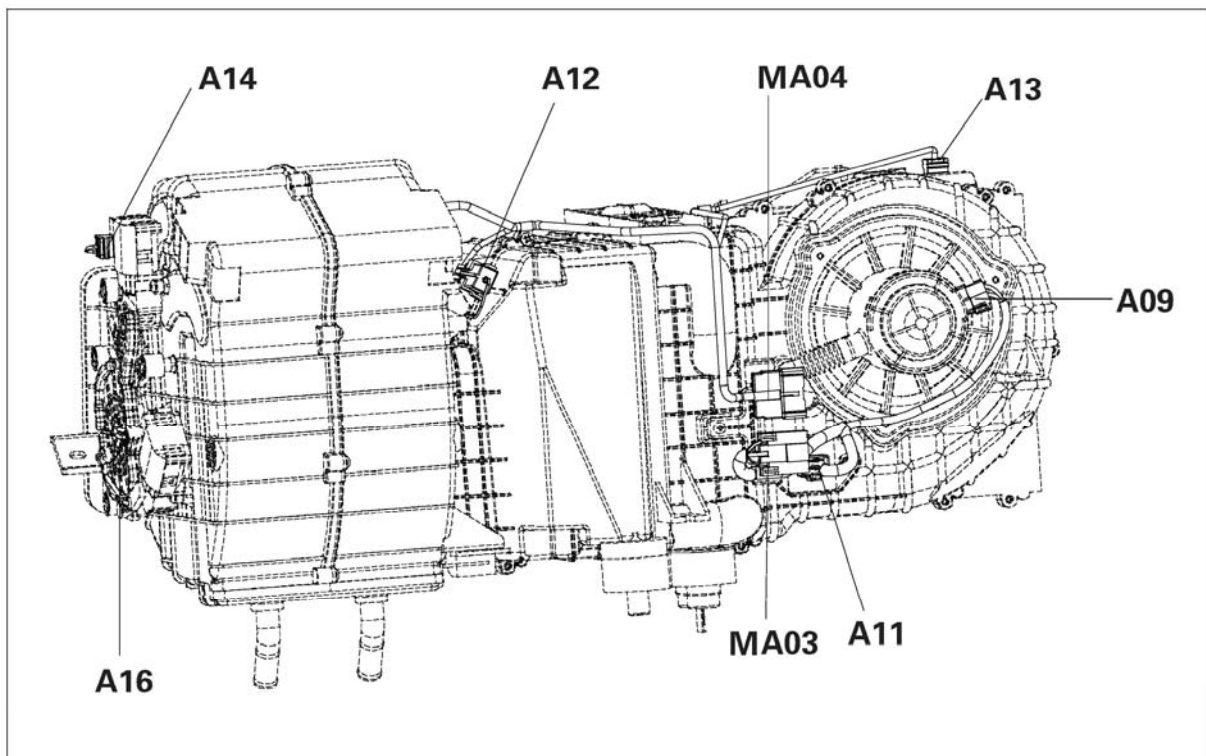


Illustration of Air Conditioner Wire Harness

- A09 Connector of blower motor
- A11 Power amplifier
- A12 Connector of evaporator surface temperature sensor
- A13 Connector of internal and external mode motor
- A14 Connector of temperature mode motor
- A16 Connector of air door motor
- MA03 Connector 1 of instrument wire harness
- MA04 Connector 2 of instrument wire harness