

APPENDIX

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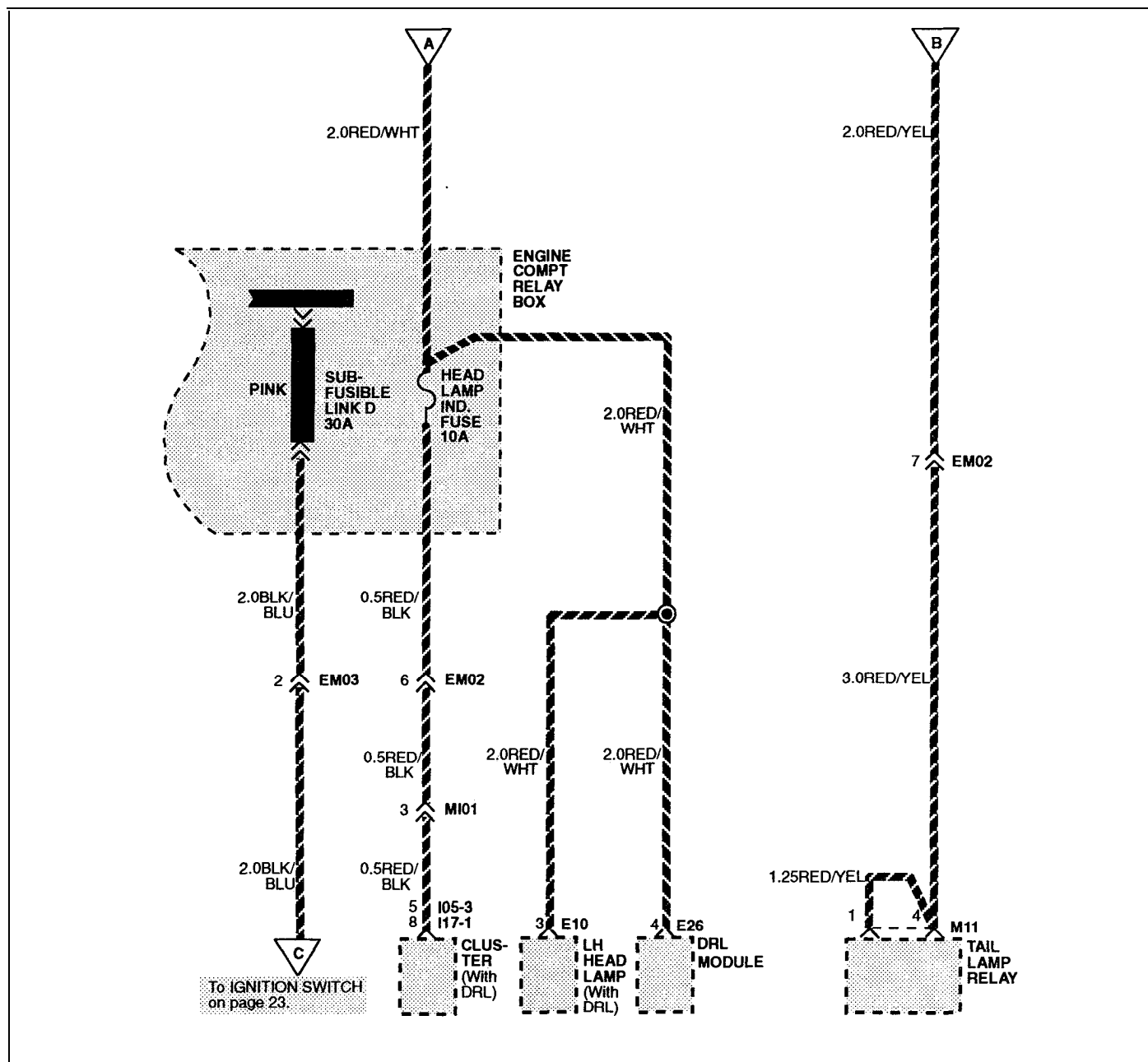
INTRODUCTION

This Group consists of five major diagnostic sections for electrical problem troubleshooting.

- Schematic diagrams
- Component location indexes
- Harness layouts
- Component location
- Connector configurations

The starting point of each system section is the schematic diagram, these diagrams show how all the components work together, such as electrical current paths from power source to ground (via electrical load), switch connections at each position, and other related circuit functions.

It is important to fully understand how a circuit work prior to troubleshooting and diagnosis.



An Example of Schematic Diagram

COMPONENT LOCATION INDEXES

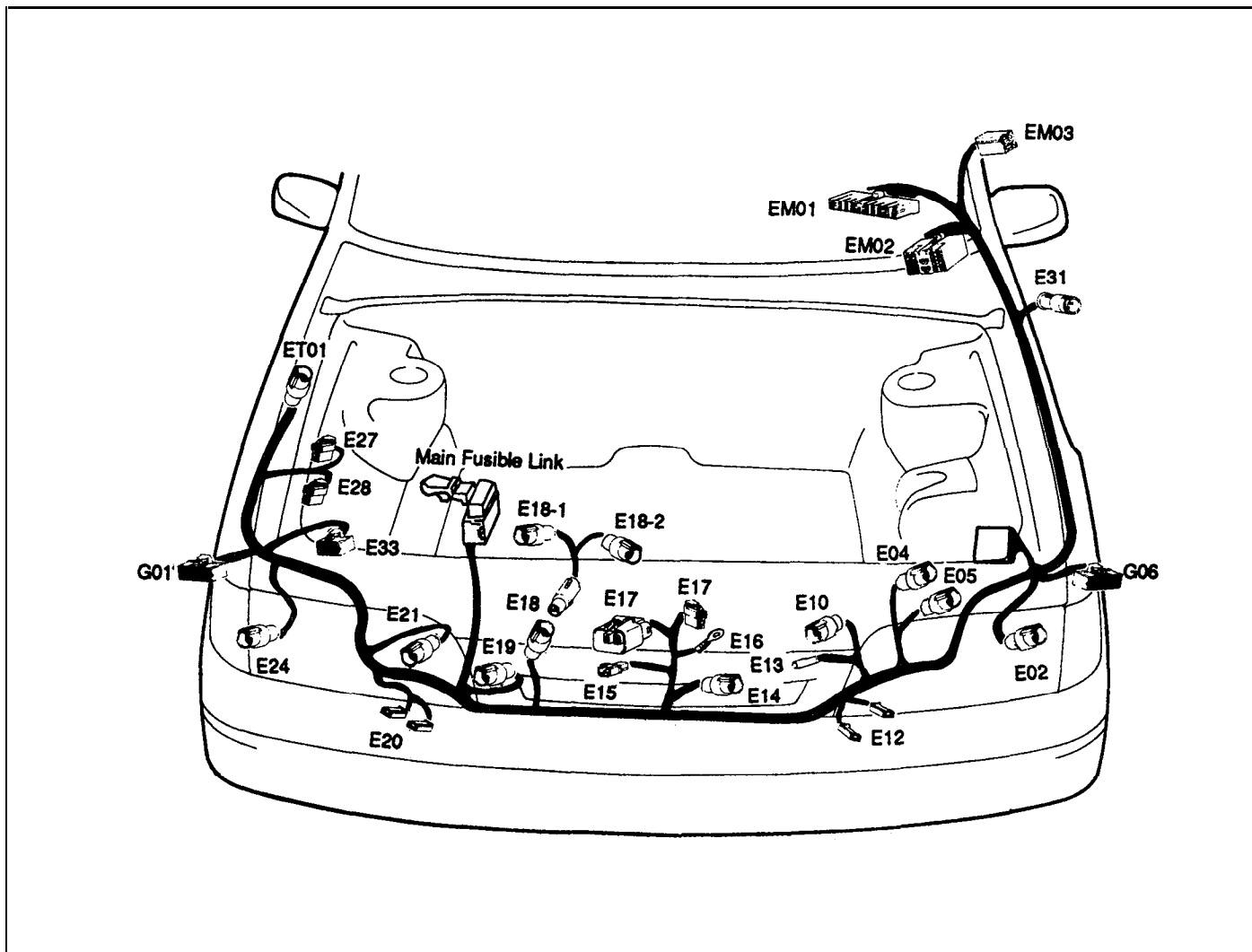
When you want to locate the schematic components on the vehicle, use the Component Location Index which follows each schematic. A Component Location Index lists major components, connectors, grounds and their physical location and page figure reference.

	Location reference-page
Components	
Relay with diode (C40)	WS-181
Generator (E17/E18)	WS-184
Instrument cluster (I05-1/I17-1)	WS-186
Connectors	
EM02	WS-185
MC02	WS-189
MI01	WS-190
Joint	
MO1-1	WS-17

Where connectors are listed, the number of cavities are provided. This figure indicates the total number of cavities in the connector, regardless of how many are actually used. This information along with housing color will be useful for you to identify connectors on the vehicle. Almost all components, connectors, grounds or splices shown on a schematic can be pinpointed visually by using the Component Location Illustrations.

HARNESS LAYOUTS

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



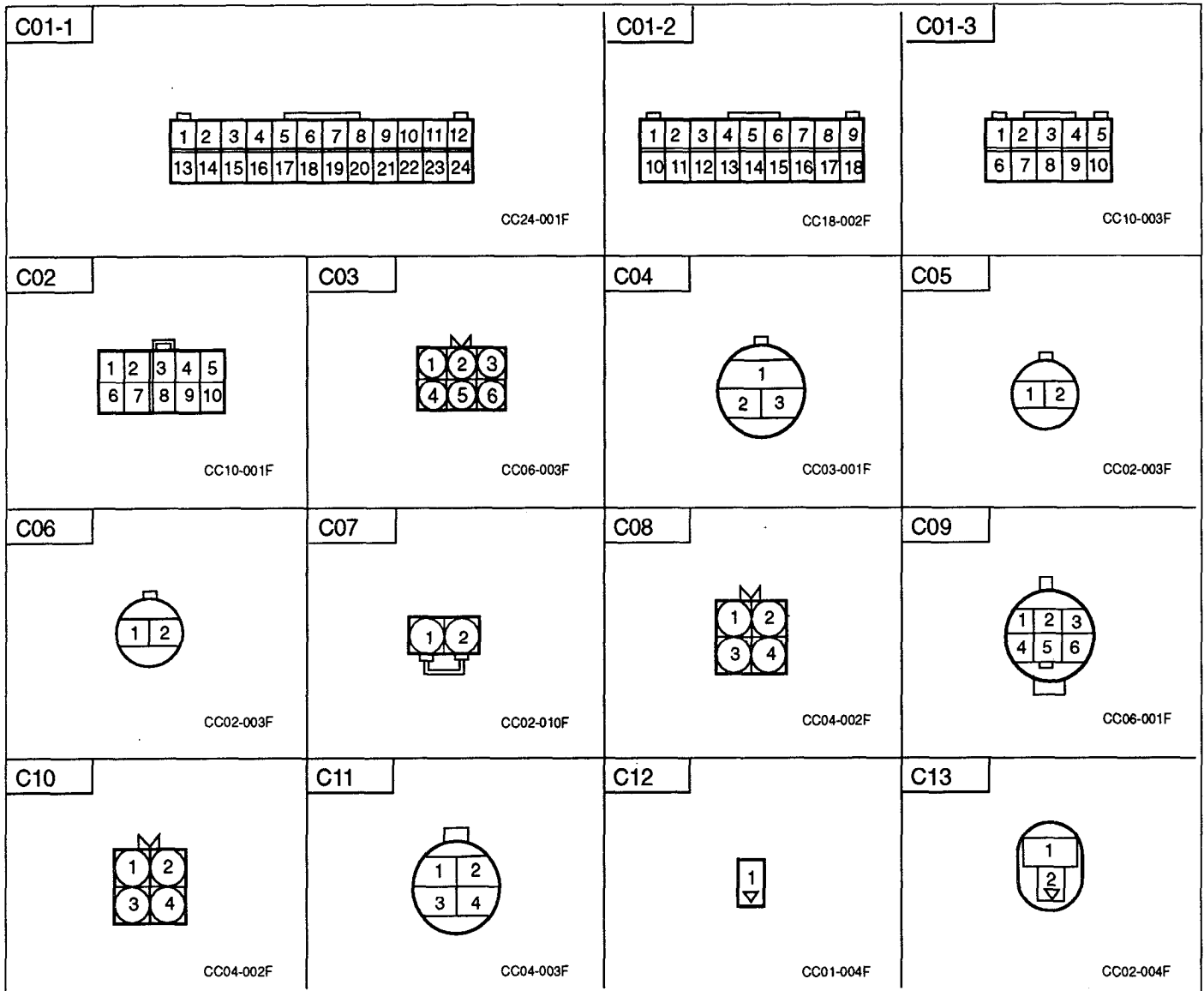
An example of Harness Layouts-Engine Harness

COMPONENT LOCATIONS

Component Locations give easy access to find the schematic components on the vehicle shown in the Component Location Index. Where connectors are listed, the total number of cavities, how many are actually used, is provided to help identify connectors on the vehicle.

CONNECTOR CONFIGURATIONS

This section shows the cavity or terminal locations in all the multi-pin connectors shown in the schematic diagrams. It is helpful for you to locate check points, together with the wire colors and terminal numbers in the schematic. The configuration drawings show the connector views as seen from a component after the harness connector has been disconnected. When more than one connector is connected to a component, the connectors are all shown together. Both halves of in line connectors are shown together.

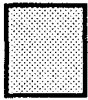


SYMBOLS

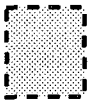
The symbols and the abbreviations explained in this section are used throughout the manual.

SYMBOLS IN SCHEMATIC

Components



A solid line means the entire component is shown.



A broken line indicates only part of the component is shown.

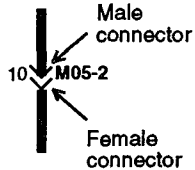


STOP LAMP SWITCH
Closed with pedal depressed

The name of the component appears next to its upper right corner.

Notes about component function follow its name.

Connectors



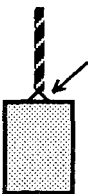
Male connector

Each connector is numbered for reference in the component location index.

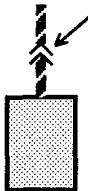
10 M05-2

Female connector

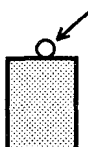
The index also lists the total number of cavities and the color the connector. Wires may not be used in all cavities.



This means the connector connects directly to the component.



This indicates the connector connects to a lead (pigtail), wired directly to the component.



This indicates a screw terminal on the component.

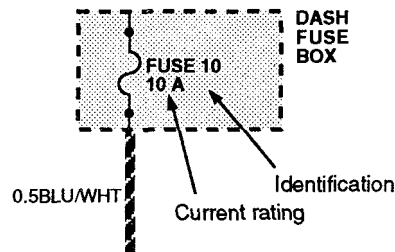
Diode



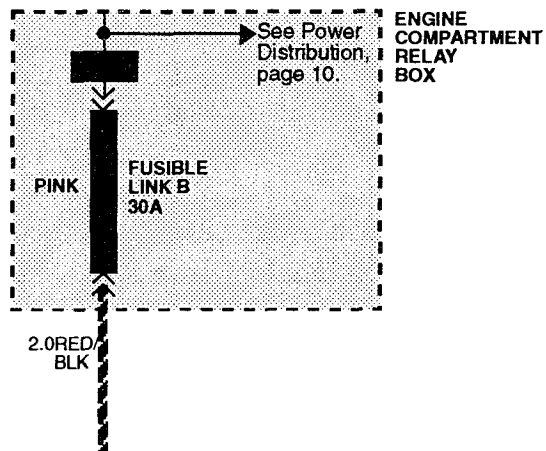
This diode allows current to flow only in the direction of the arrow.

Fuse and Fusible link

This means power is supplied with the ignition in RUN.



HOT AT ALL TIMES





Circuit breaker





Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.

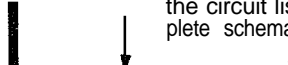

Wires




0.85BLK  A wavy line means the wire is broken but is to be continued.


0.5YEL/RED  Wire insulation is yellow with a red strip

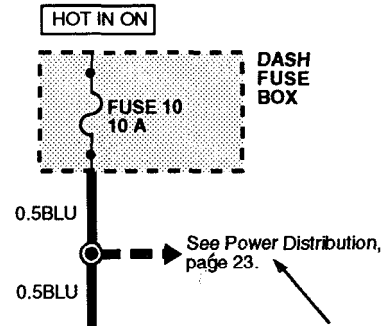
 Current path is continued another page. The arrow shows the direction of current flow. You should look for the "P" in the Power Distribution schematic to follow the white wire in left example.

0.5RED  A wire connects to another circuit. The wire is shown again on that circuit which the arrow is pointing.
Name of Circuit

 A broken line means only some of the circuit is shown; refer to the circuit listed for the complete schematic.
 See Ground Distribution, page 15

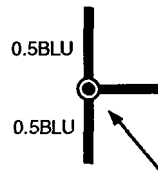
0.5GRY  Wire choices for options or different models are labeled and shown with a 'choice' bracket like this.
 Automatic Transaxle
 Manual Transaxle
E25 E26
0.5GRY 0.5GRY

0.5RED 0.5YEL/BLU  This dashed line means the RED and YEI/BLU wires are both in connector M35.
0.5RED 0.5YEL/BLU M:



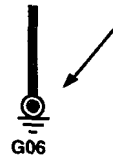
Where separate wires join, only the splice is shown; for details on the additional wiring, refer to the circuit listed.

Splices



Splices are numbered and shown as a dot with circle. The exact location and connection of these splices may vary among vehicles.

Ground-"G"



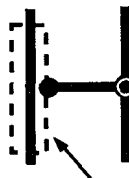
This symbol means the end of the wire is attached to a metal part of the vehicle.

Each wire ground (G) is numbered for reference in the component location index.



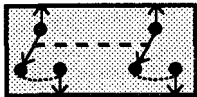
This ground symbol (dot and 3 lines overlapping the component) means the housing of the component is attached to a metal part of the vehicle.

Shield Wire



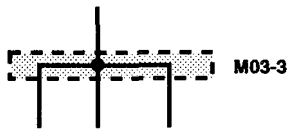
This represents RFI (Radio Frequency Interference) Shielding around a wire. the shielding is always connected to ground.

Switches

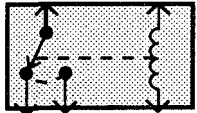


These switches move together: a dashed line shows a mechanical connection between them.

Joint Connectors



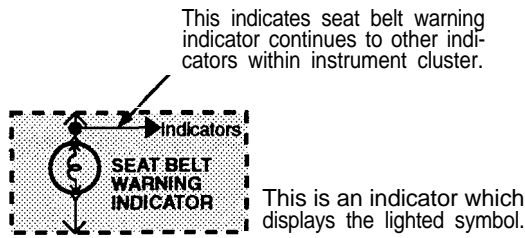
Relays



This is a relay shown with no current flowing through its coil. When a current flows through coil, contact will toggle.

Normally open contact
Normally closed contact

Indicator



This indicates seat belt warning indicator continues to other indicators within instrument cluster.

This is an indicator which displays the lighted symbol.

WIRE COLOR ABBREVIATIONS

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

Symbol	Color of wire	Symbol	Color of wire
BLK	Black	LT GRN	Light Green
BLU	Blue	ORN	Orange
BRN	Brown	PNK	Pink
GRN	Green	RED	Red
GRY	Gray	WHT	White
LT BLU	Light Blue	YEL	Yellow

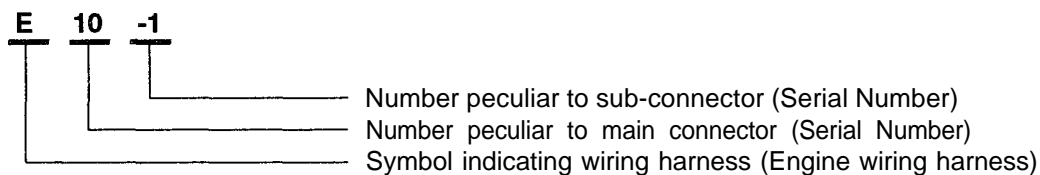
CONNECTOR CLASSIFICATION SYMBOLS

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

Harness name	Location	Symbol
Engine and its extension harness	Engine compartment	E
Main and its extension harness	Passenger compartment	M
Control (ECM) harness	Engine compartment	C
T/A (TCM) and its extension harness	Engine compartment	T
Floor and Rear floor, Trunk lid (Tail gate), Rear and their extension harnesses	Passenger compartment/ Luggage compartment	R
Crash pad, Instrument and their extension harnesses	Under crash pad	I
Door and its extension harness	Door	D

A connector identification symbol consists of a wiring harness location classification symbol corresponding to each other wiring harness location and number peculiar to the connector.

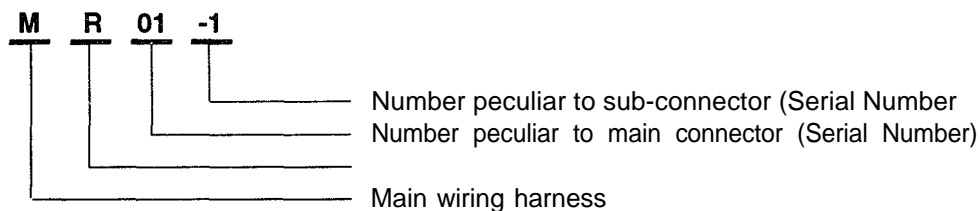
These connector locations can be found in the WIRING HARNESS LAYOUT.



NOTE

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

For example:



TROUBLESHOOTING INSTRUCTIONS

TROUBLESHOOTING PROCEDURES

The following five-step troubleshooting procedure is recommended.

Step 1. Verify the customer complaints

Turn on all the components in the problem circuit to check the accuracy of the customer complaints. Note the symptoms. Do not begin disassembly or testing until you have narrowed down the probable causes.

Step 2. Read and analyze the schematic diagram

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

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

Make a circuit test to check the diagnosis you made in step 2. Remember that a logical, simple procedure is the key to efficient troubleshooting. Narrow down the probable causes using the Troubleshooting Hints, System Diagnosis Charts. Test for the most likely cause of failure first. try to make tests at points that are easily accessible.

Step 4. Repair the problem

Once the problem is found, make the necessary repairs.

Step 5. Make sure the circuit works

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

TROUBLESHOOTING EQUIPMENTS

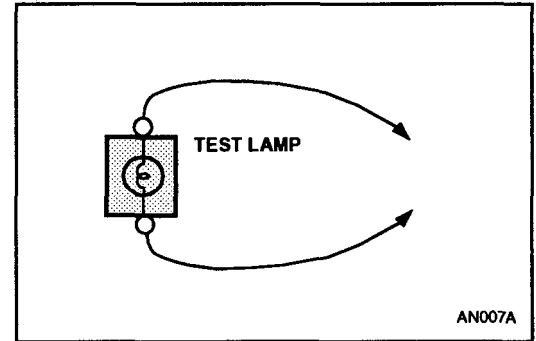
Voltmeter And Test Lamp

Use a test lamp or a voltmeter on circuits without solid-state units, use a test lamp to check for voltage. A test lamp is made up of 12-volt bulb with a pair of leads attached. After grounding one lead to various points along the circuit where voltage should be present. When the bulb goes on, there is voltage at the point being tested.

CAUTION:

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

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



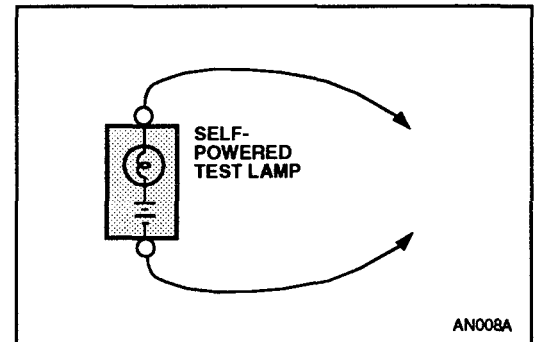
Self-Powered Test Lamp And Ohmmeter

Use a self-powered test lamp or a ohmmeter to check for continuity. Self-powered test lamp is made of a bulb, battery and two leads and is used only on an unpowered circuit. If the leads are touched together, the lamp will go on. Prior to checking the points, first disconnect the battery ground cable or remove the fuse which feeds the circuit you are working on.

CAUTION:

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

An ohmmeter can be used in place of a self-powered test lamp. The ohmmeter shows how much resistance there is between two points along a circuit. Low resistance means good continuity. Circuits which include any solid-state devices should be tested only with a 10-megohm or higher impedance digital multimeter. When measuring resistance with a digital multimeter, battery negative terminal should be disconnected. Otherwise, there may incorrect readings. Diodes and solid-state devices in a circuit can make an ohmmeter give a false reading. To find out if a component is affecting a measurement, take one reading, reverse the leads and take a second reading. If the readings differ, the solid-state device is affecting the measurement.

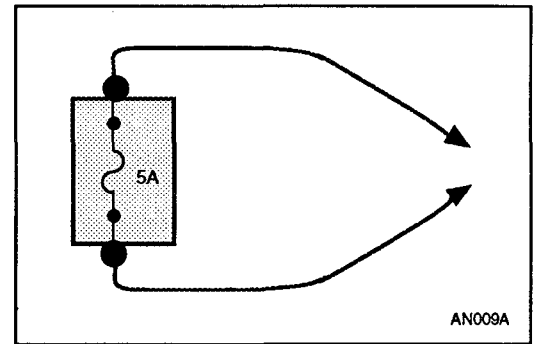


Jumper Wire With Fuse

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

CAUTION:

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



Short Finder

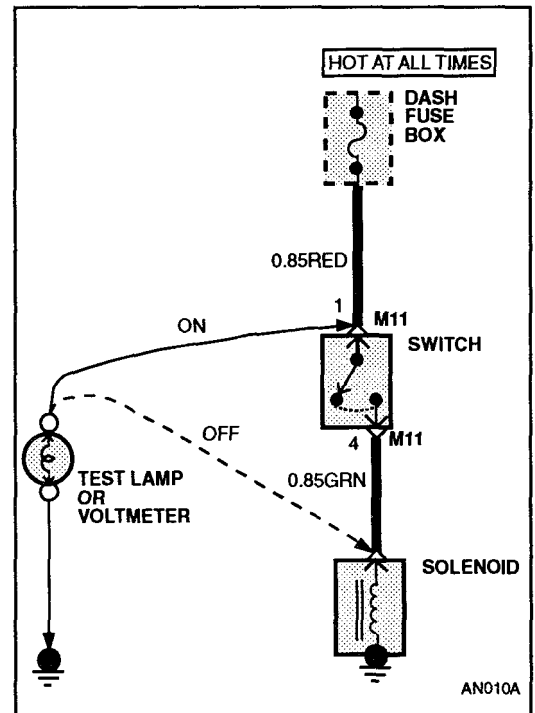
Short finder is available to locate short to ground. The short finder creates a pulsing magnetic field in the shorted circuit and shows you the location of the short through body trim or sheet metal.

TROUBLESHOOTING TEST

Testing For Voltage

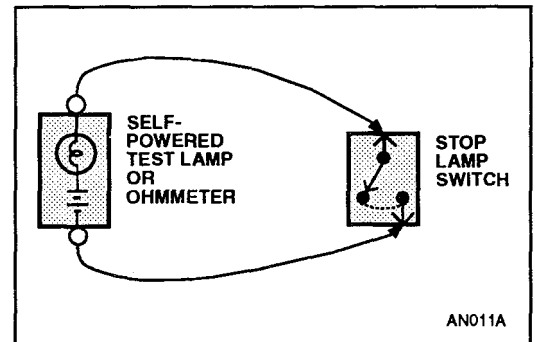
This test measures voltage in a circuit. When testing for voltage at a connector, you do not have to separate the two halves of the connector. Instead, probe the connector from the back. Always check both sides of the connector because dirt and corrosion between its contact surfaces can cause electrical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

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



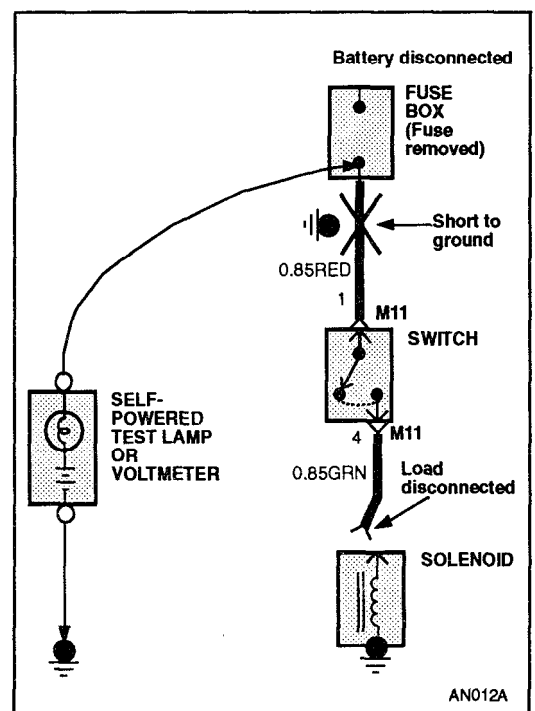
Testing For Continuity

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



Testing For Short To Ground

1. Remove the blown fuse and disconnect the battery and load.
3. Connect one lead of a self-powered test lamp or an ohmmeter to the fuse terminal on the load side.
3. Connect the other lead to a ground.
4. Beginning near the fuse block move the harness from side to side. Continue this point (about six inches apart) while watching the selfpowered test lamp or ohmmeter.
5. When the self-powered test lamp glows, or ohmmeter registers, there is a short to ground in the wiring near that point.

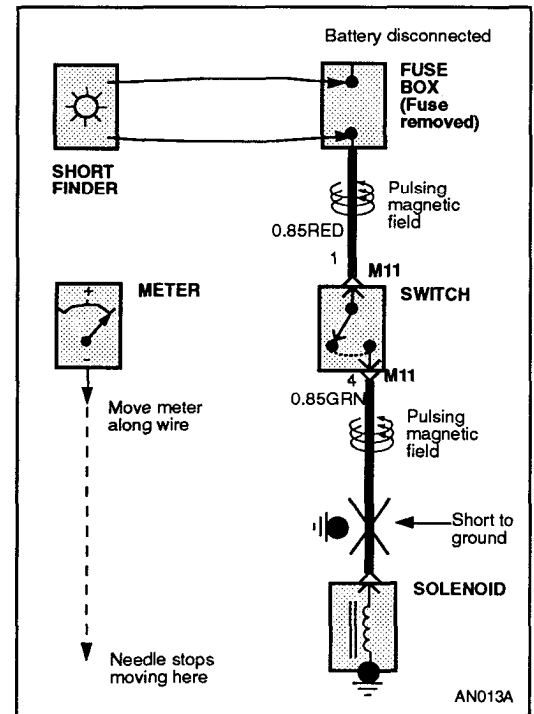


Testing For A Short With A Short Finder

1. Remove the blown fuse. Leave the battery connected.
2. Connect the short finder across the fuse terminals.
3. Close all switches in series in the circuit you're testing.
4. Turn on the short circuit locator. It sends pulses of current to the short.

This creates a pulsing magnetic field around the wiring between the fuse box and the short.

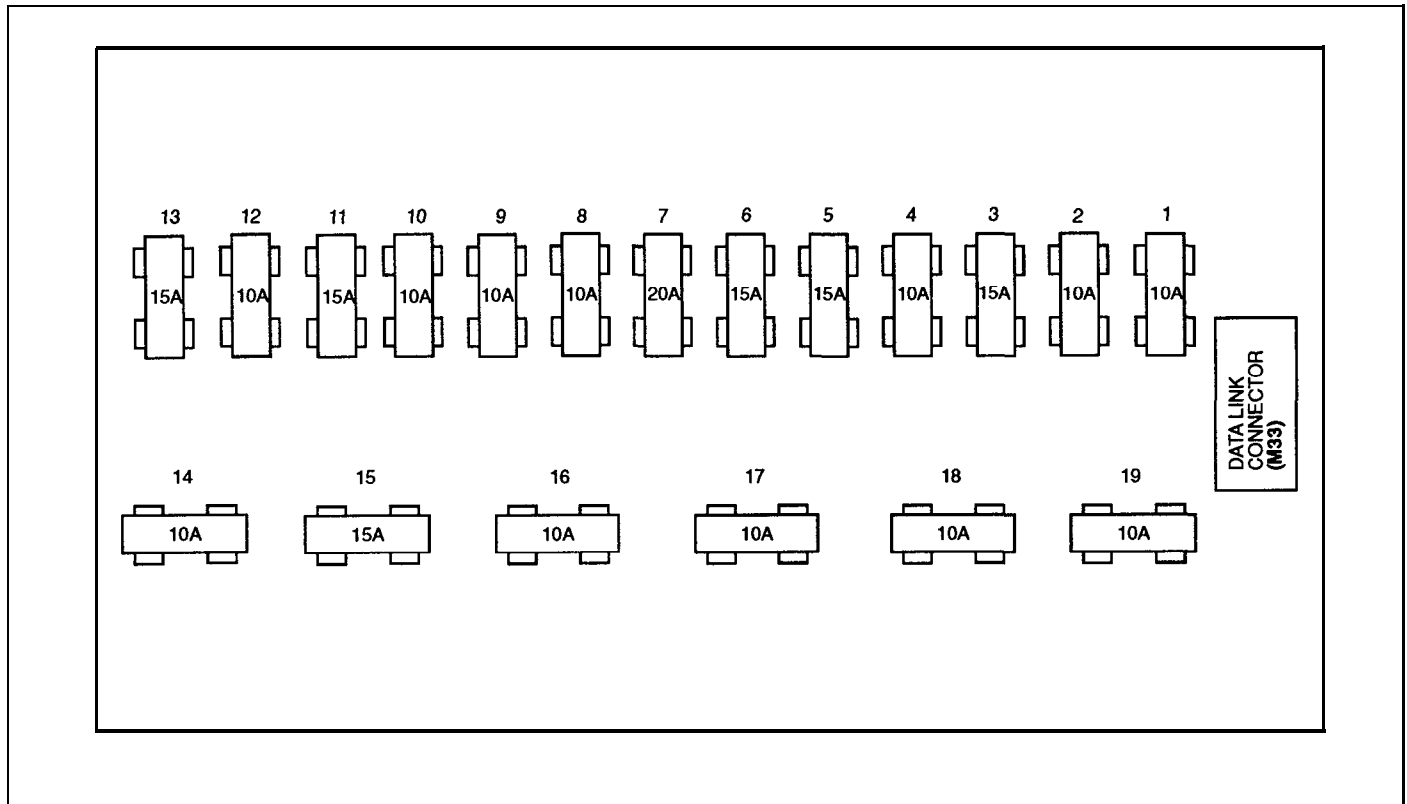
5. Beginning at the fuse box, slowly move the short finder along the circuit wiring. The meter will show current pulses through sheet metal and body trim. As long as the meter is between the fuse and the short, the needle will move with each current pulse. Once you move the meter past the point of the short, the needle will stop moving. Check around this area to locate the cause of the short circuit.



FUSE AND RELAY INFORMATION

DASH FUSE BOX

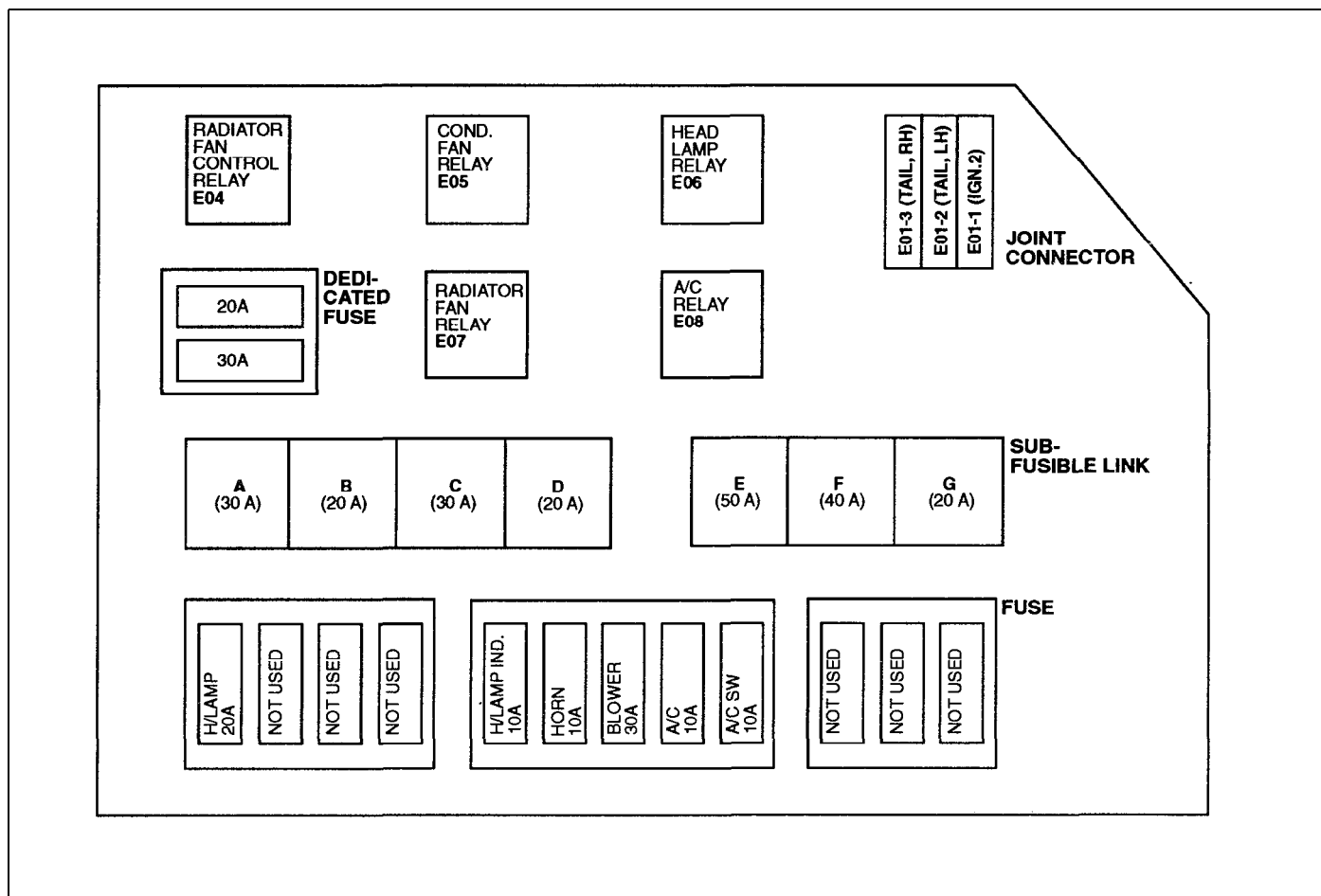
Layout



Fuse	Amperages	Circuits
1	10A	A/C compressor controls
2	10A	Hazard warning
3	15A	Cruise controls, stop lamps
4	10A	TCM, audio power antenna
5	15A	Power door lock, trunk lid opener
6	15A	Sunroof, courtesy lamps
7	20A	Rear defogger
8	10A	Cluster, interior lamps, clock
9	10A	Back up lamps, turn signal lamps
10	10A	Cluster, clock, seat belt
11	15A	Wiper and washer controls
12	10A	Power windows, blower, head lamps, sunroof
13	15A	Cruise, TCM
14	10A	Audio, power door mirror
15	15A	Cigarette lighter
16	10A	LH tail lamps
17	10A	RH tail lamps
18	10A	SRS (Air bag) controls
19	10A	Passive seat belt

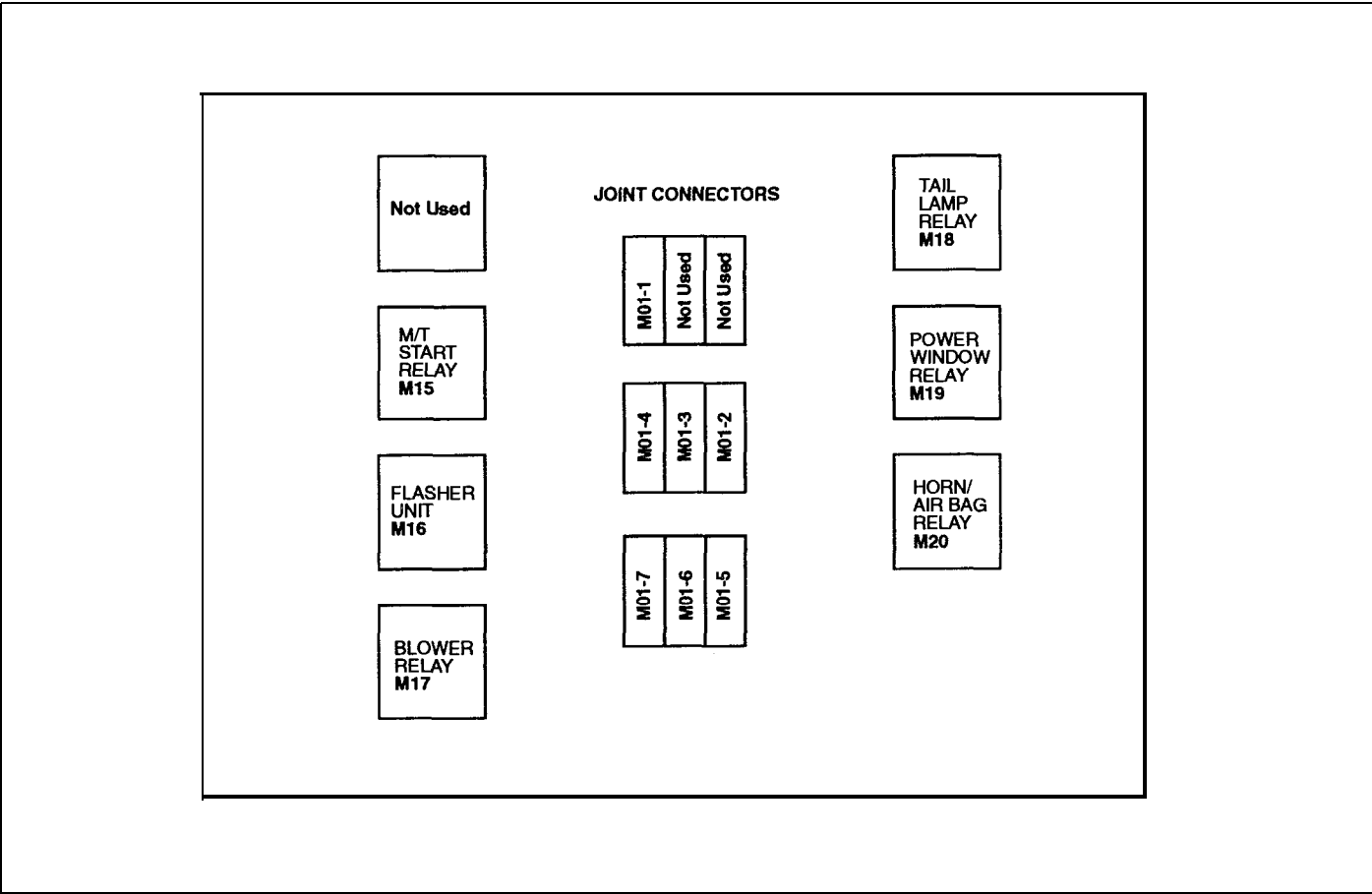
ENGINE COMPARTMENT RELAY BOX

Layout

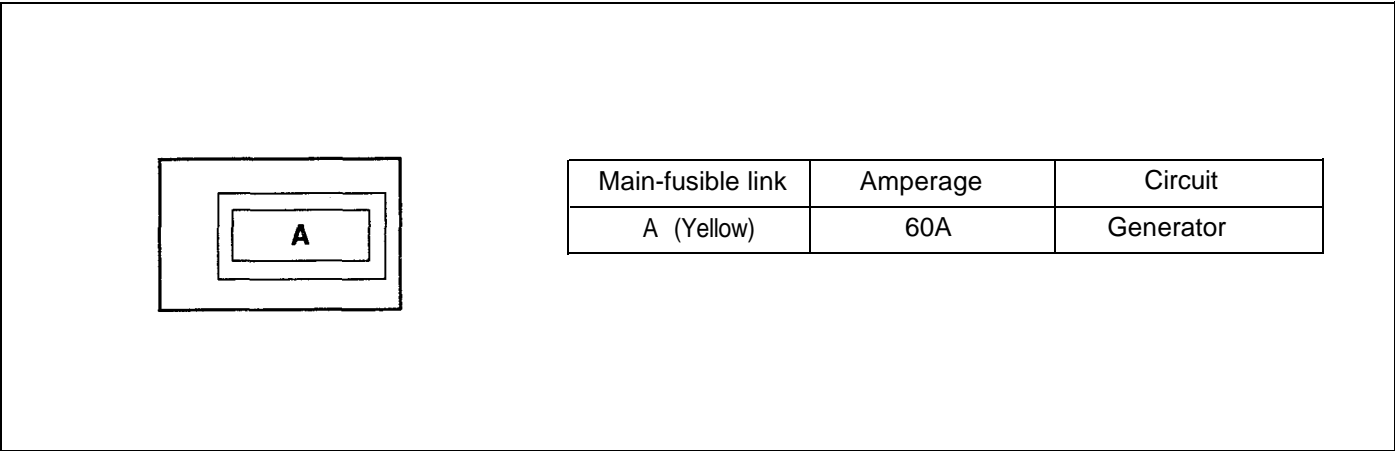


Description	Amperages	Circuit protected	Remark
Sub-fusible link			
A(Pink)	30A	Ignition power source	
B(Blue)	20A	MFI system controls	
C(Pink)	30A	Power windows	
D(Blue)	20A	Condenser fan controls	
E(Red)	50A	Battery power source	
F(Pink)	30A	Headlamps	
G(Blue)	20A	Radiator fan controls	
Fuse			
H/LAMP	20A	Headlamps	
A/C SWITCH	10A	Air conditioning controls	
A/C	10A	Air conditioning controls	
H/LAMP IND	10A	Headlamp indicator	
HORN	10A	Horns	
BLOWER	30A	Blower	

PASSENGER COMPARTMENT RELAY BOX
Layout

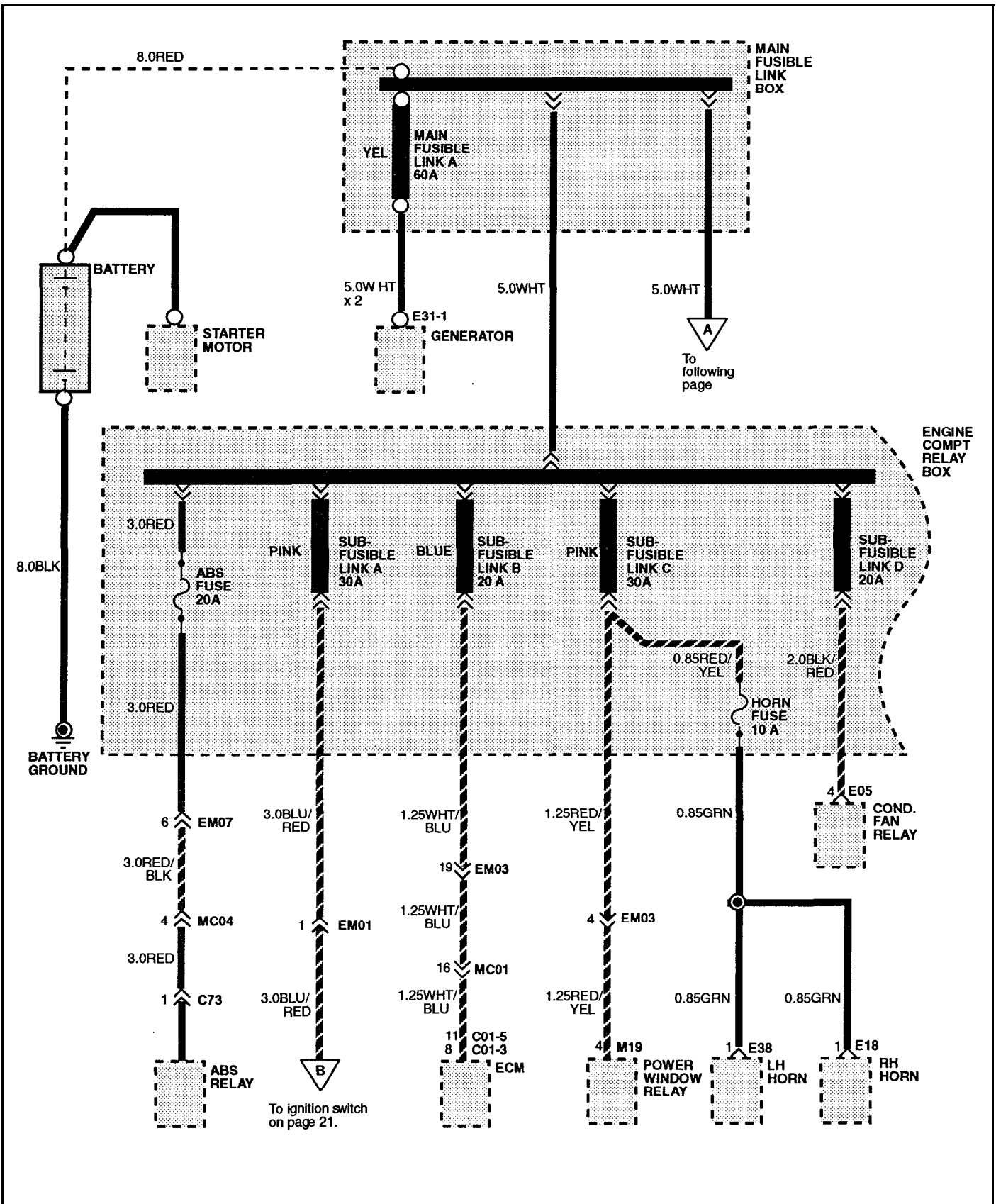


FUSIBLE LINK BOX
Layout/circuit

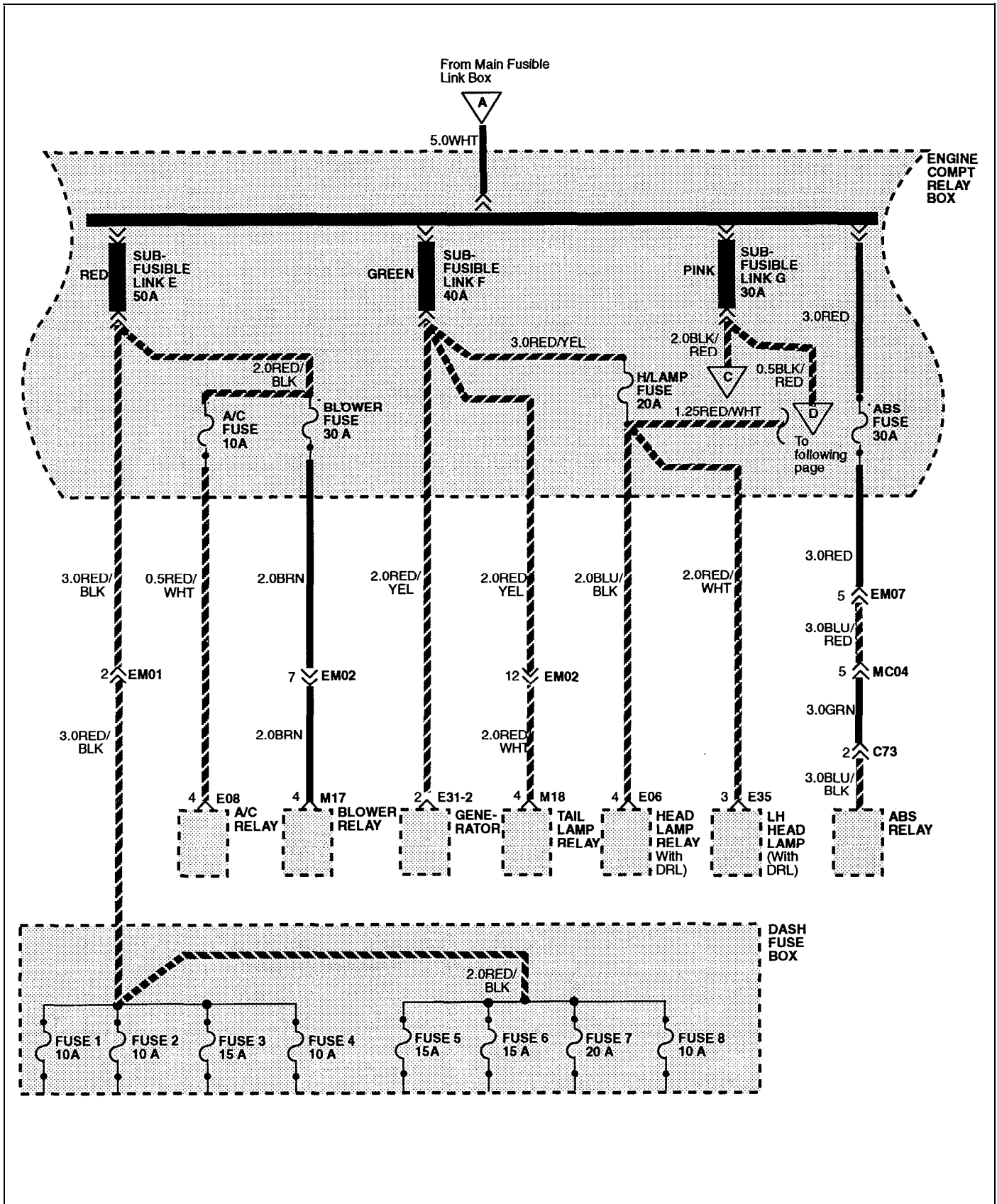


POWER DISTRIBUTION

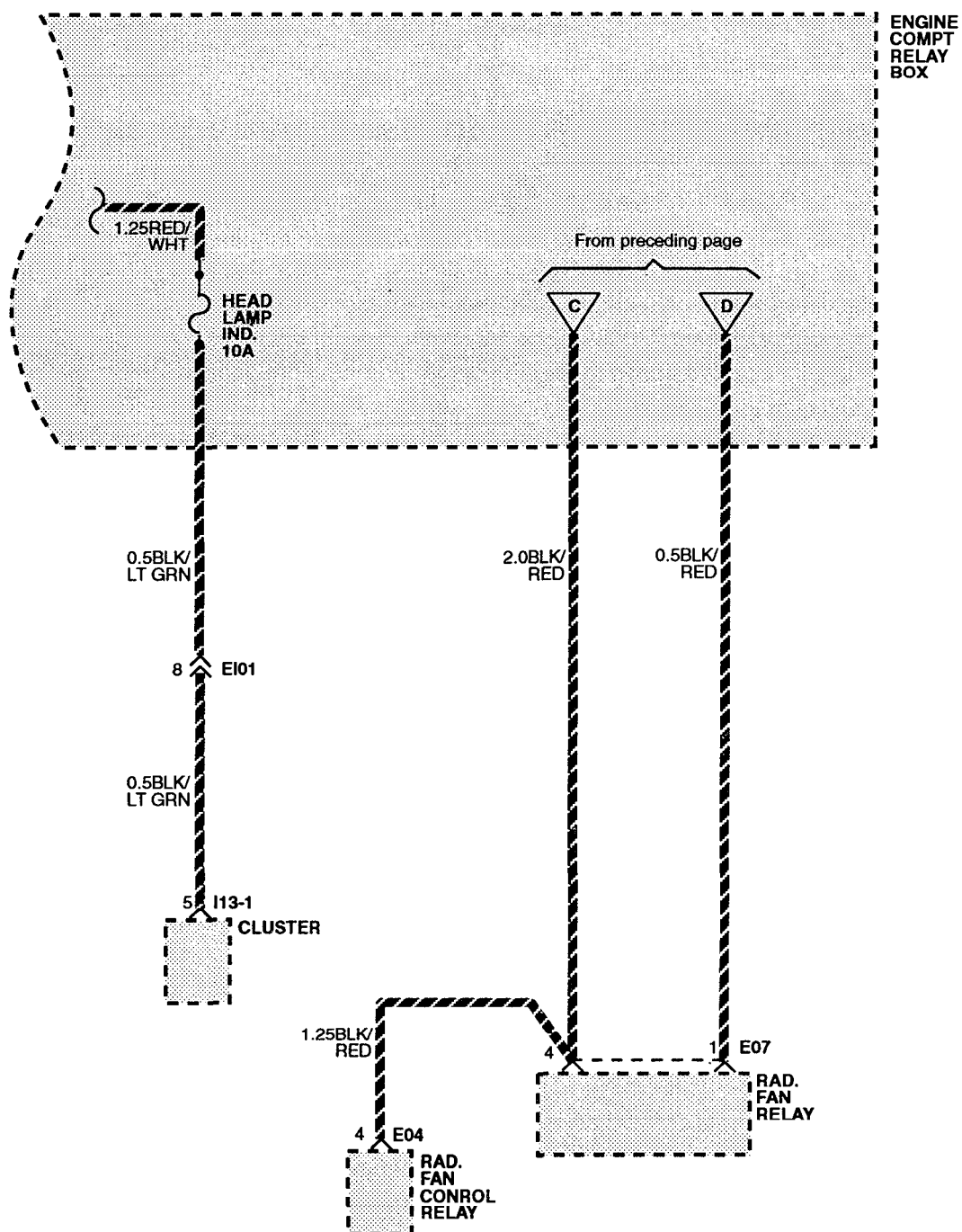
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



From EM01 on preceding page 18.

3.0BLU/RED

4 M24

3.0RED

IGNITION SWITCH

LOCK START LOCK START LOCK START LOCK START

ACC ON ACC ON ACC ON ACC ON

2.0BLU/RED 2.0BLU 3.0BLK/WHT 2.0BLK/YEL

2 1 6 5 M24

2.0BLU/RED 2.0BLU 2.0BLK/WHT 2.0BLK/YEL 2.0BLK/YEL 1.25BLK/YEL

15 EM04 7 MC01

1.25BLK/YEL 1.25BLK/YEL

11 M28 13 C01-5 C01-3

2.0BLK/WHT

TRAN-SAXLE RANGE SWITCH

4 M15

STARTER RELAY (With M/T)

DASH FUSE BOX

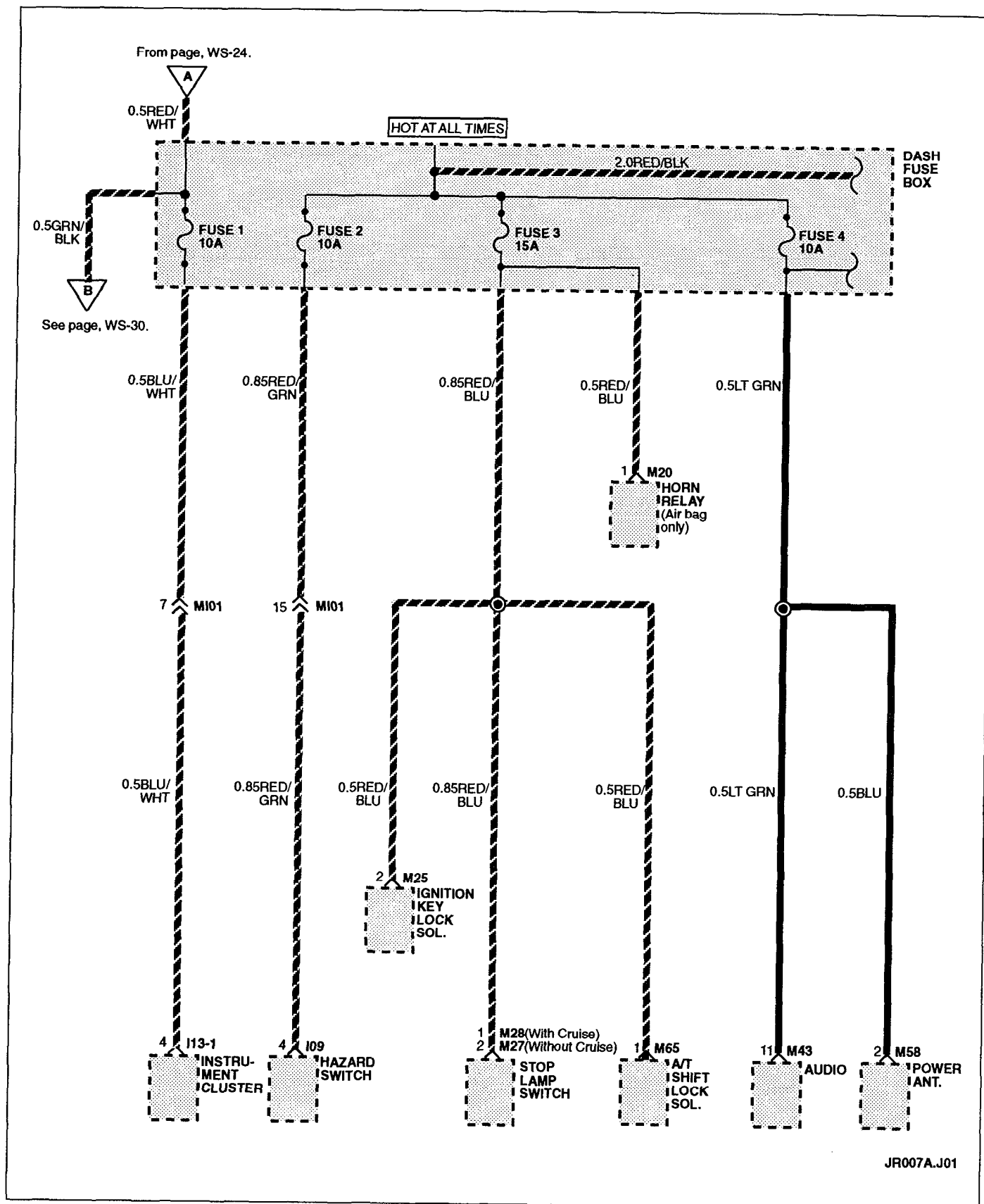
FUSE 11 15A FUSE 12 10A FUSE 13 15A FUSE 14 10A FUSE 15 15A FUSE 9 10A FUSE 10 10A

JR006N.J01

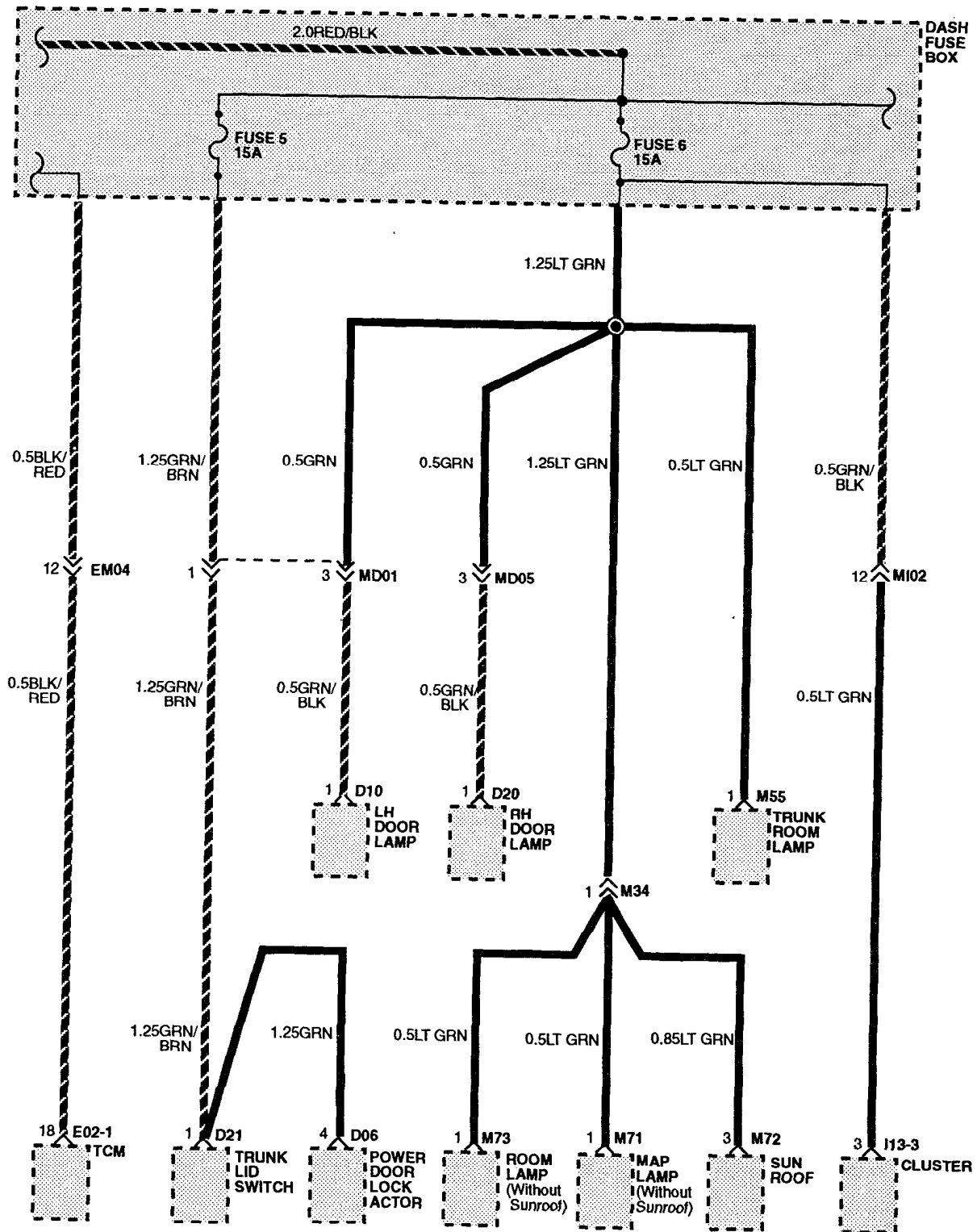
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DASH FUSE BOX DETAILS

SCHEMATIC DIAGRAM (1)

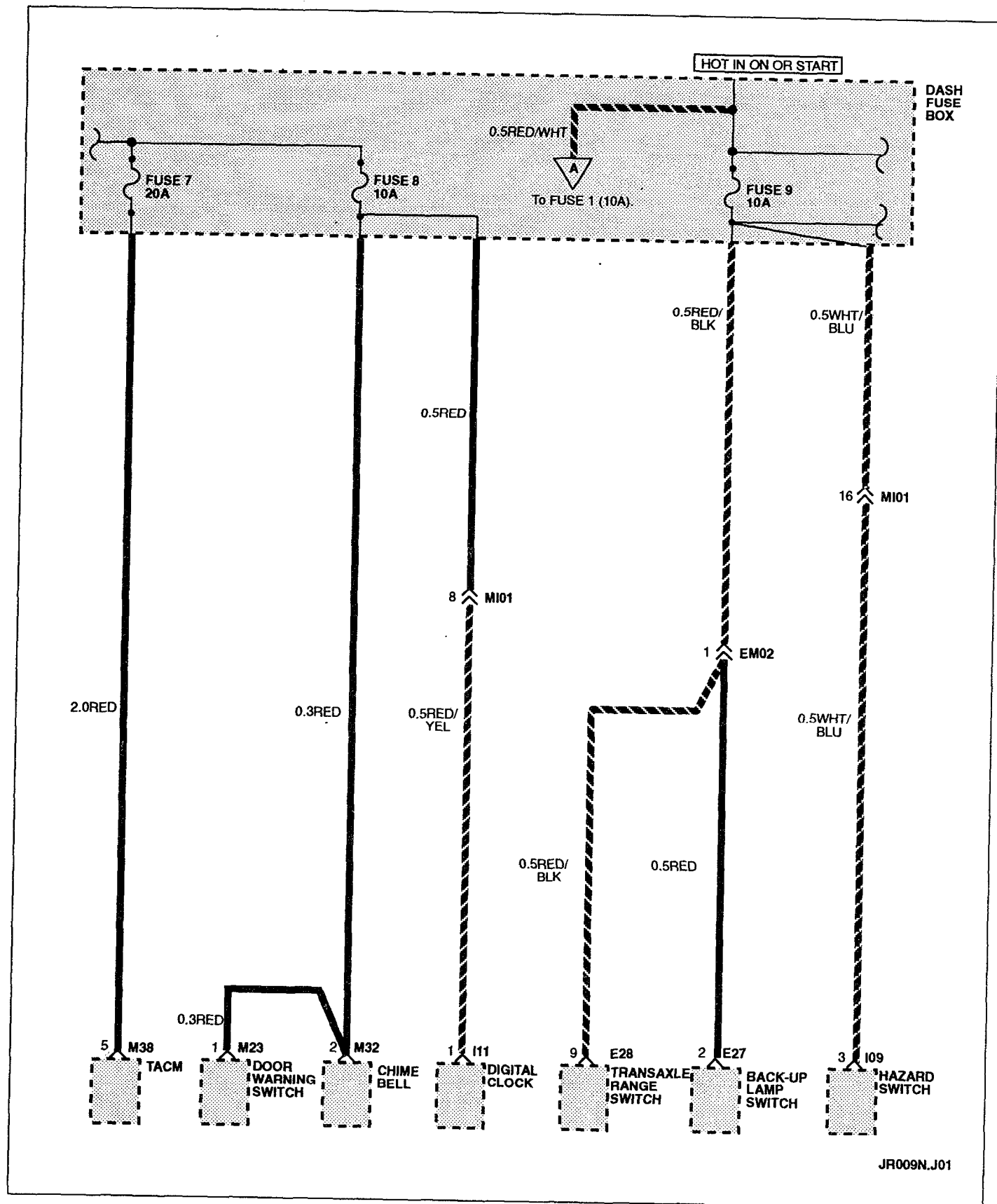


SCHEMATIC DIAGRAM (2)

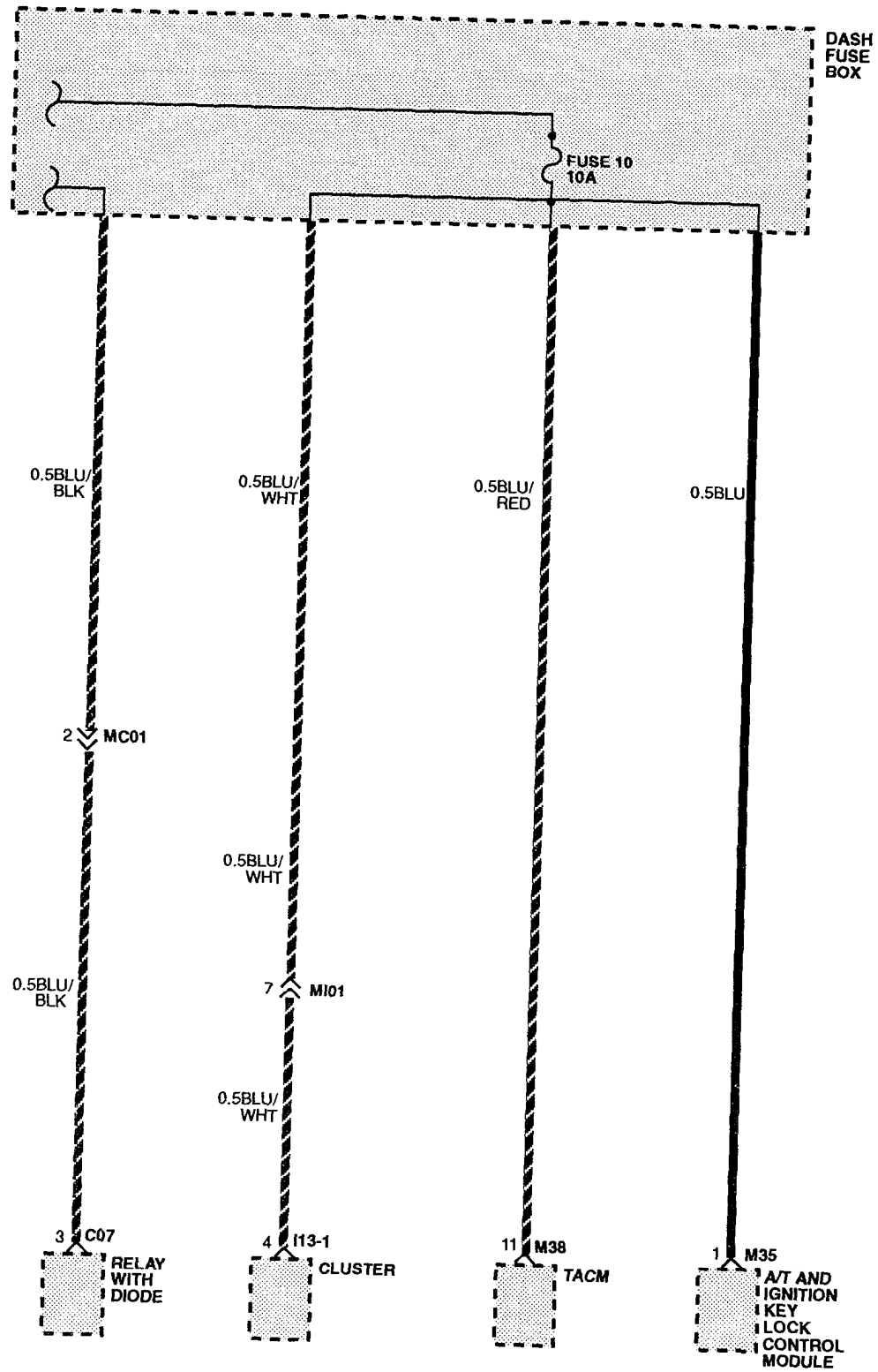


JR008G.J01

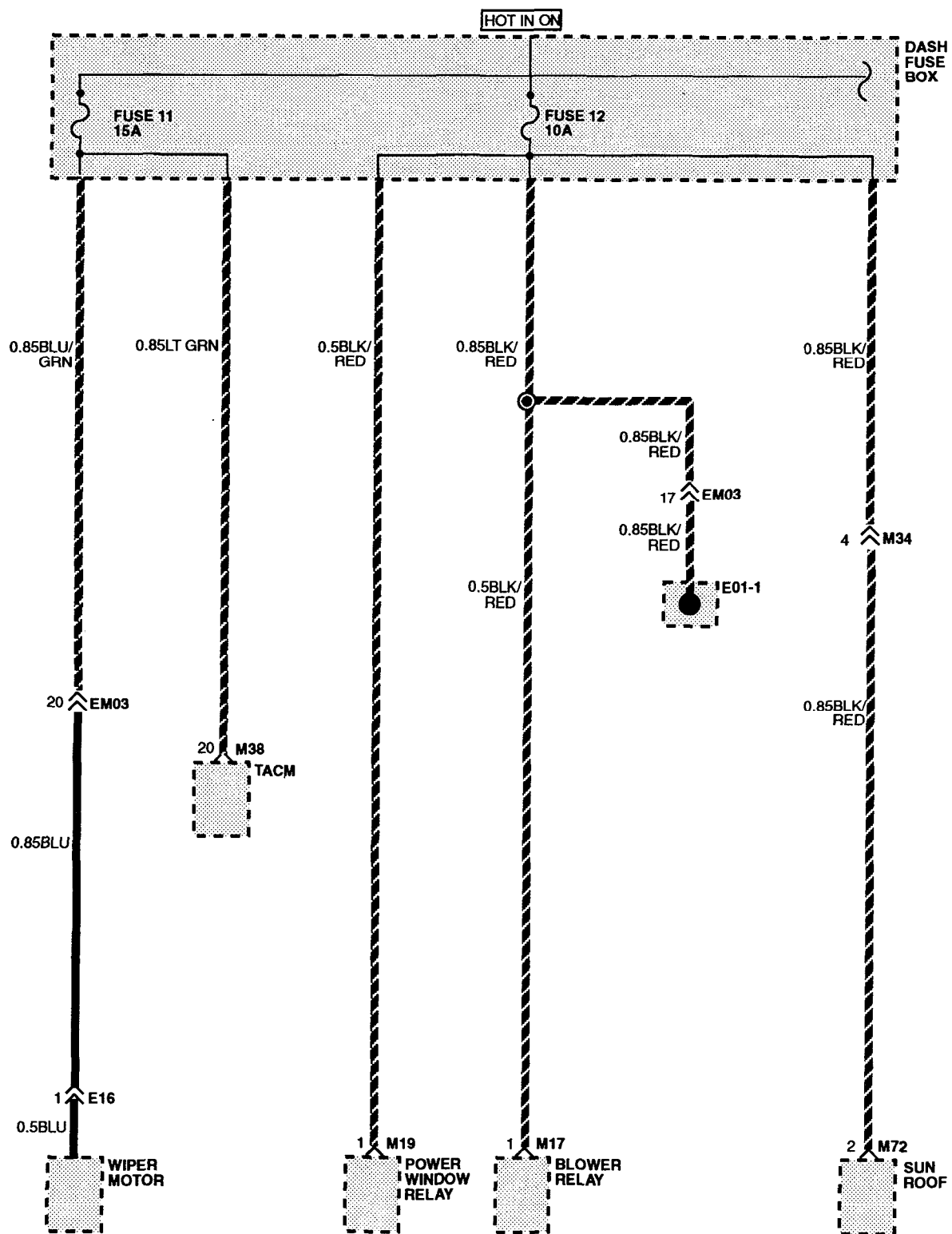
SCHEMATIC DIAGRAM (3)



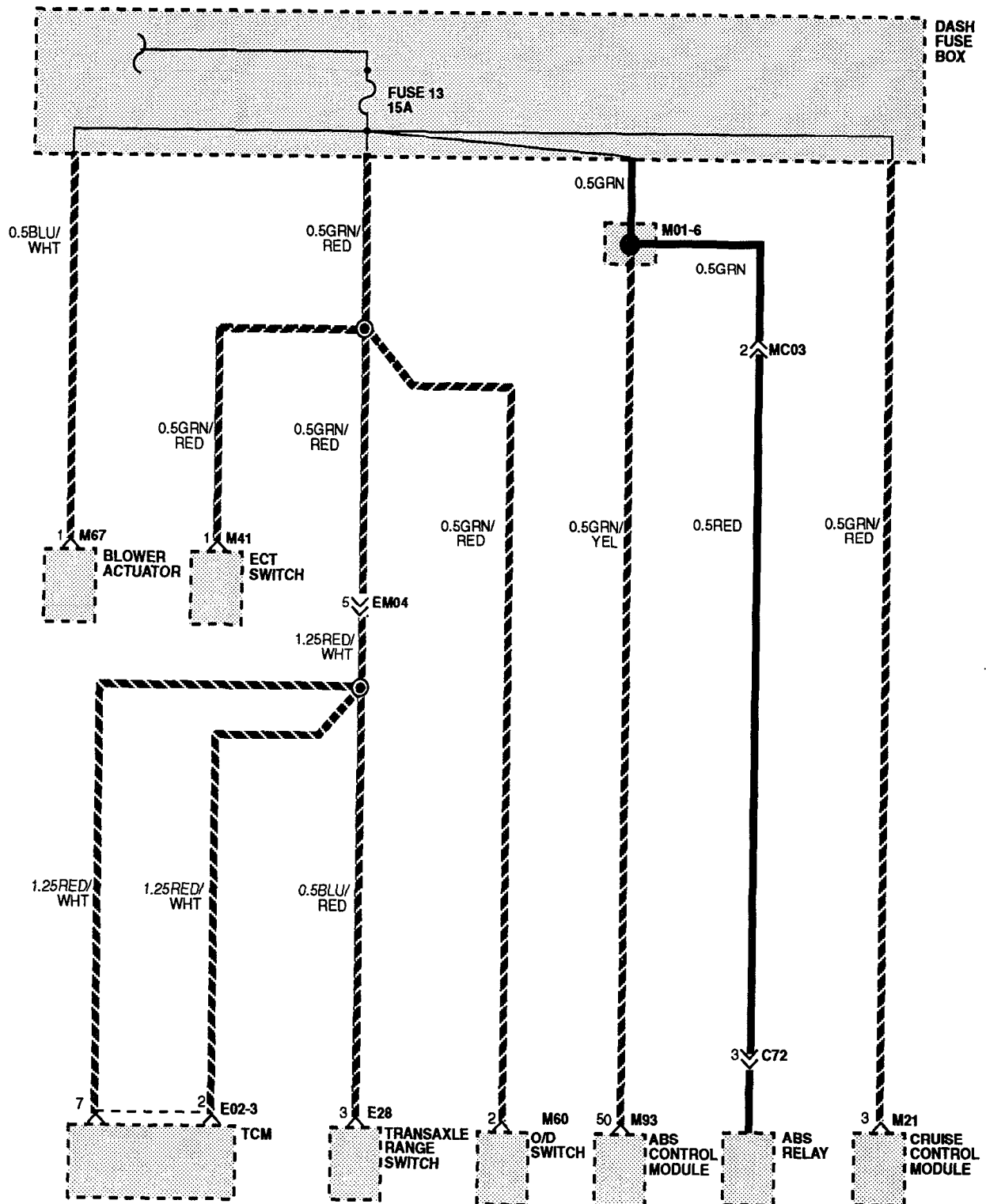
SCHEMATIC DIAGRAM (4)



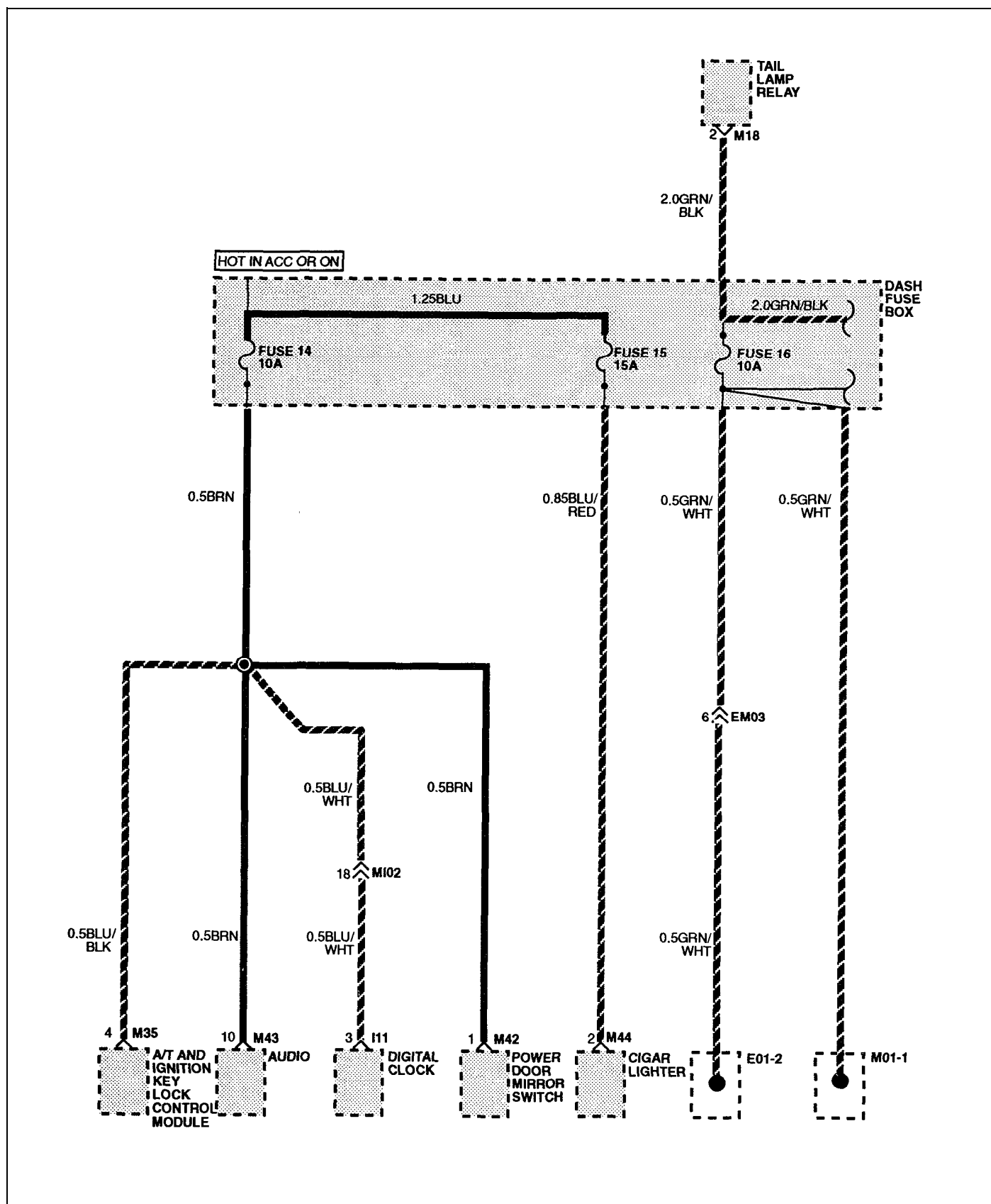
SCHEMATIC DIAGRAM (5)



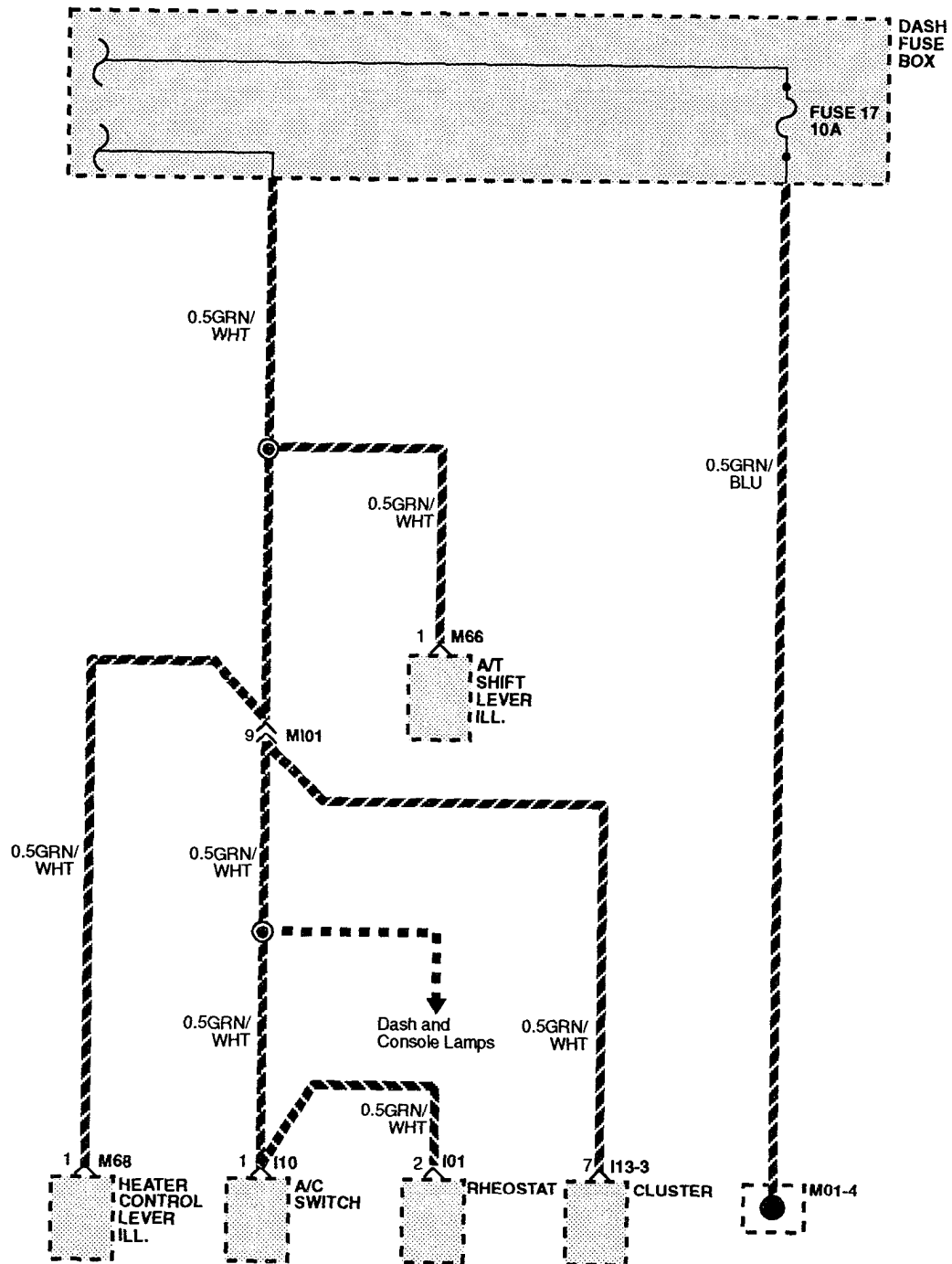
SCHEMATIC DIAGRAM (6)



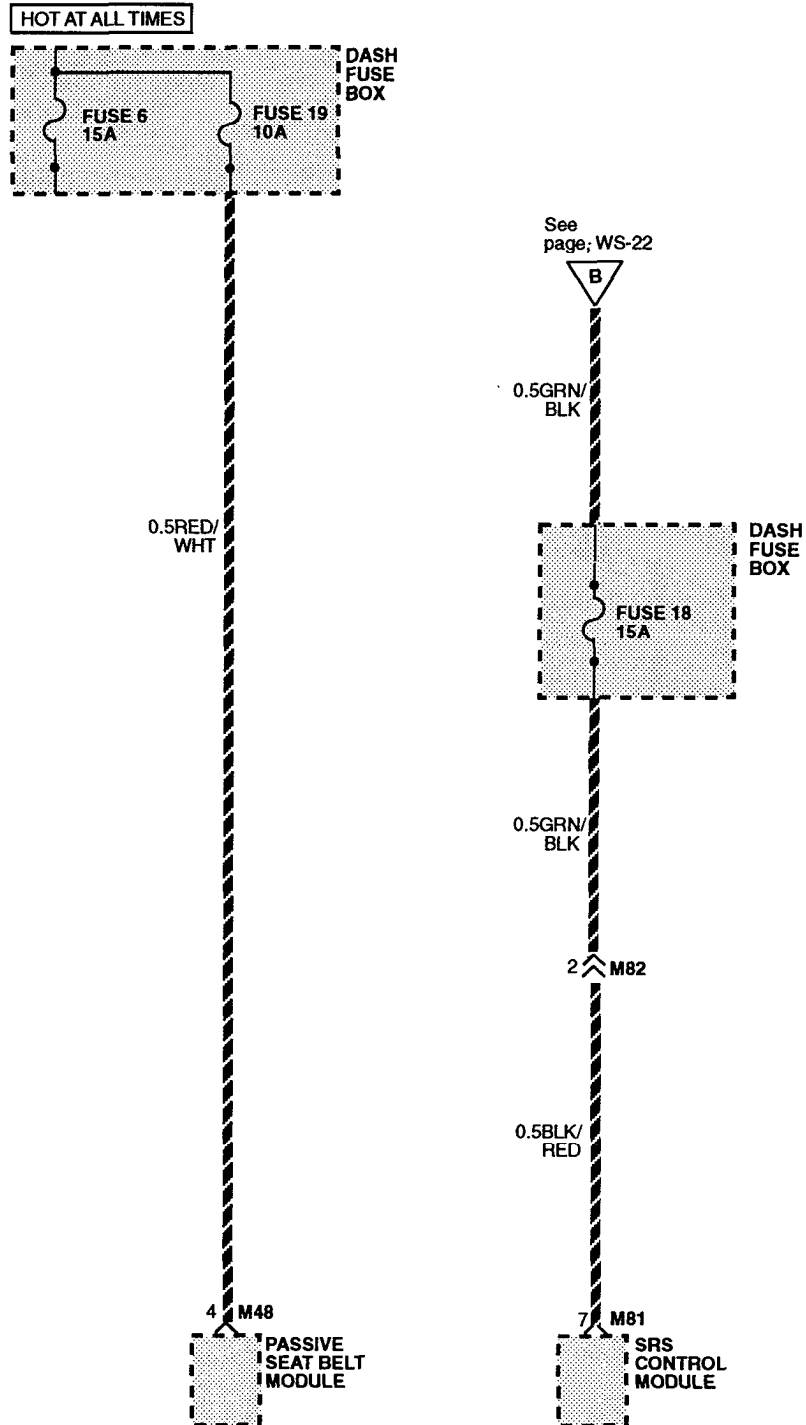
SCHEMATIC DIAGRAM (7)



SCHEMATIC DIAGRAM (8)



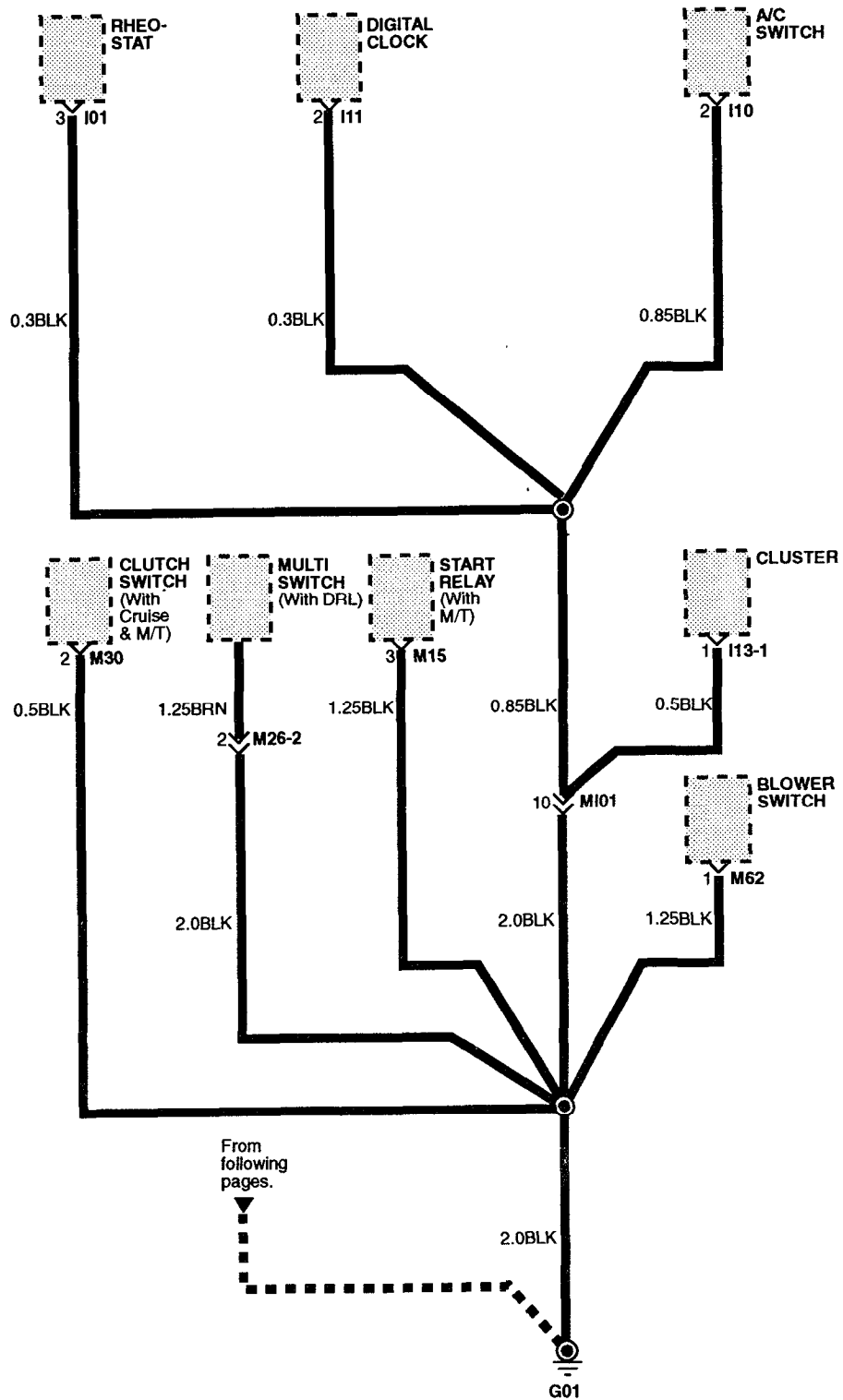
SCHEMATIC DIAGRAM (9)



MEMO

GROUND DISTRIBUTION

SCHEMATIC DIAGRAM (G01)-1



Wiring diagram showing connections for the Multi Switch, Flasher Unit, Sun Roof, and Map Lamp. The diagram includes a common ground G01 at the bottom.

Multi Switch:

- 0.85BLK line to M26-1/M26-3 (9/16)
- 1.25BLK line to M26-2 (5)
- 0.3BLK line to M26-2/M26-4 (8/4)

Flasher Unit:

- 2-wire output M16 (0.5BLK)

Sun Roof:

- 4-wire output M72 (0.5BLK)
- 3-wire output M34 (0.5BLK)

Map Lamp (Without Sun Roof):

- 2-wire output M71 (0.5BLK)

Blower Actuator:

- 2-wire output M67 (0.5BLK)

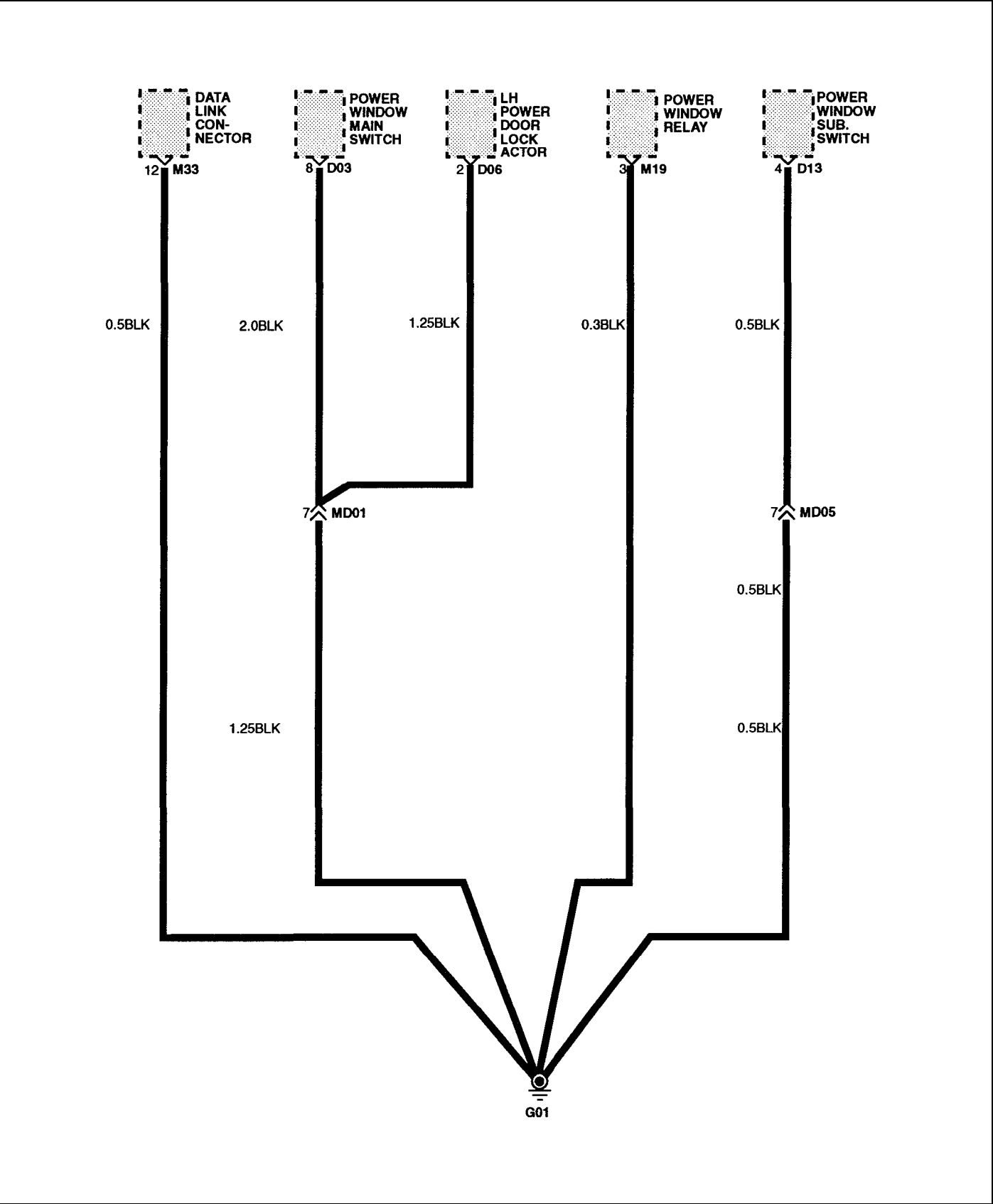
Air Bag Relay:

- 2-wire output M20 (0.5BLK)

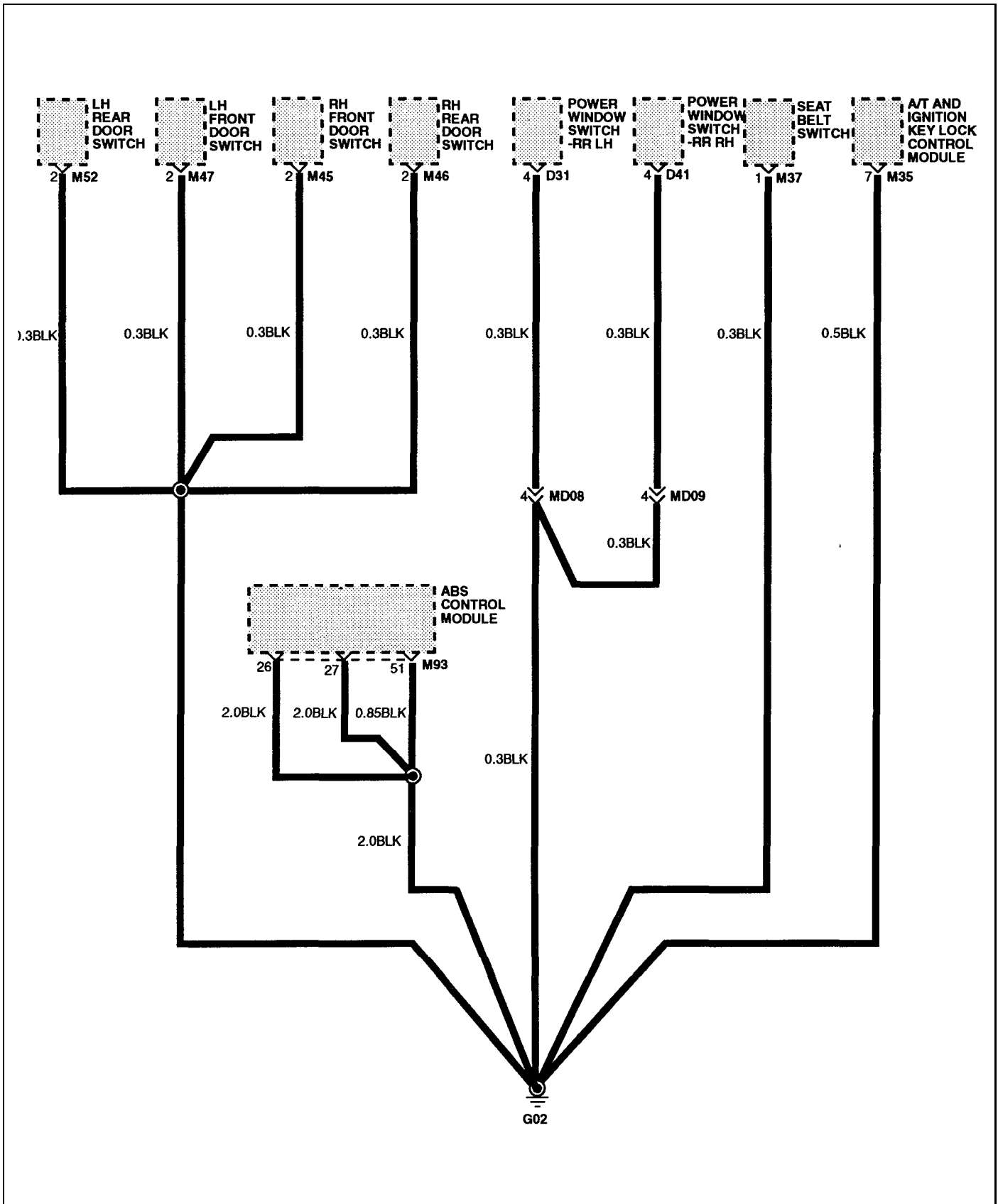
Wiring Notes:

- M26-3 ~ M26-4: With Air Bag (0.85BLK)
- 2.0BLK (Without DRL) line from Multi Switch to Blower Actuator
- 0.5BLK lines from Flasher Unit, Sun Roof, Map Lamp, Blower Actuator, and Air Bag Relay to common ground G01

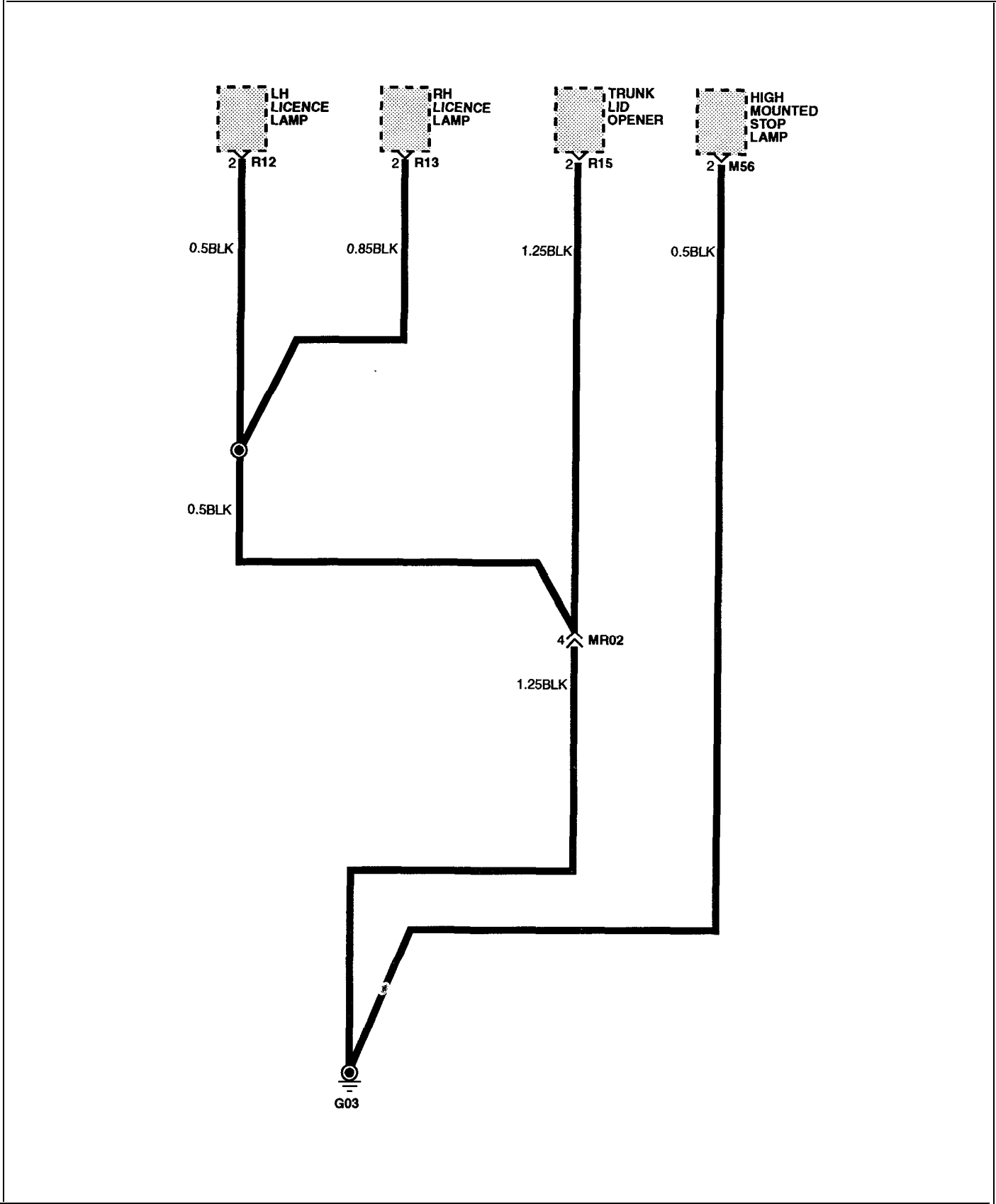
SCHEMATIC DIAGRAM (G01)-3



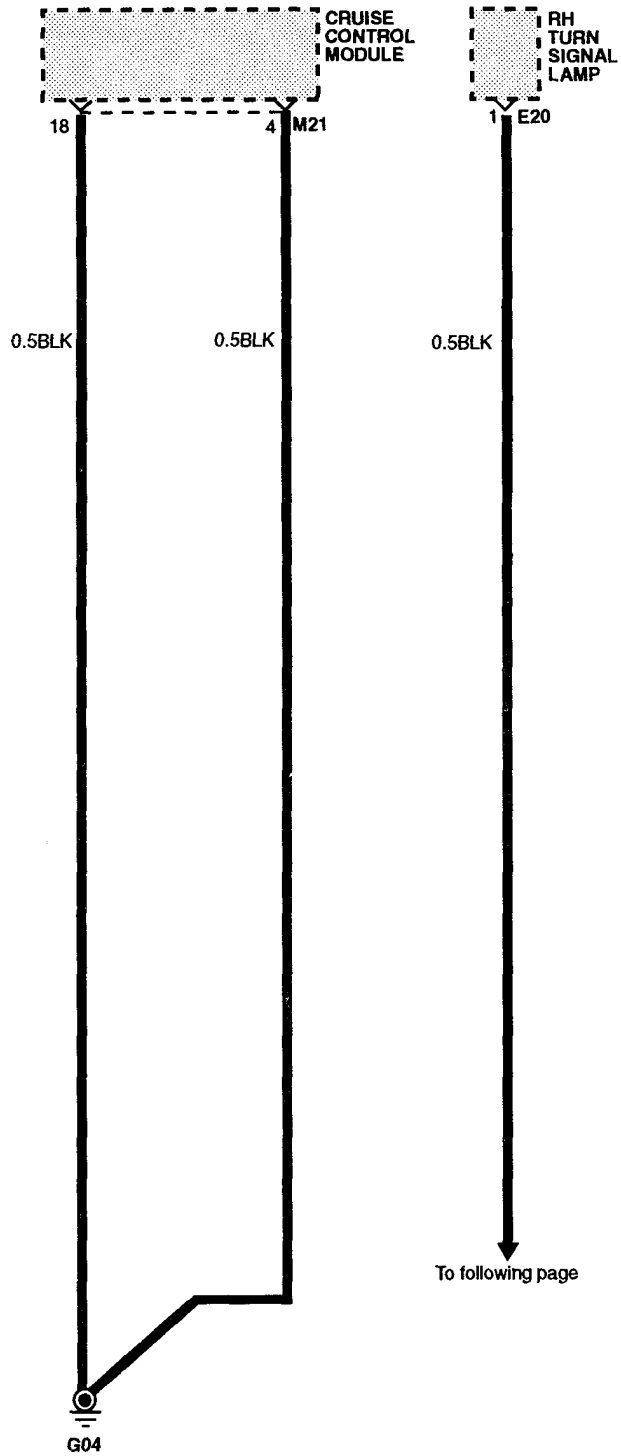
SCHEMATIC DIAGRAM (G02-1)



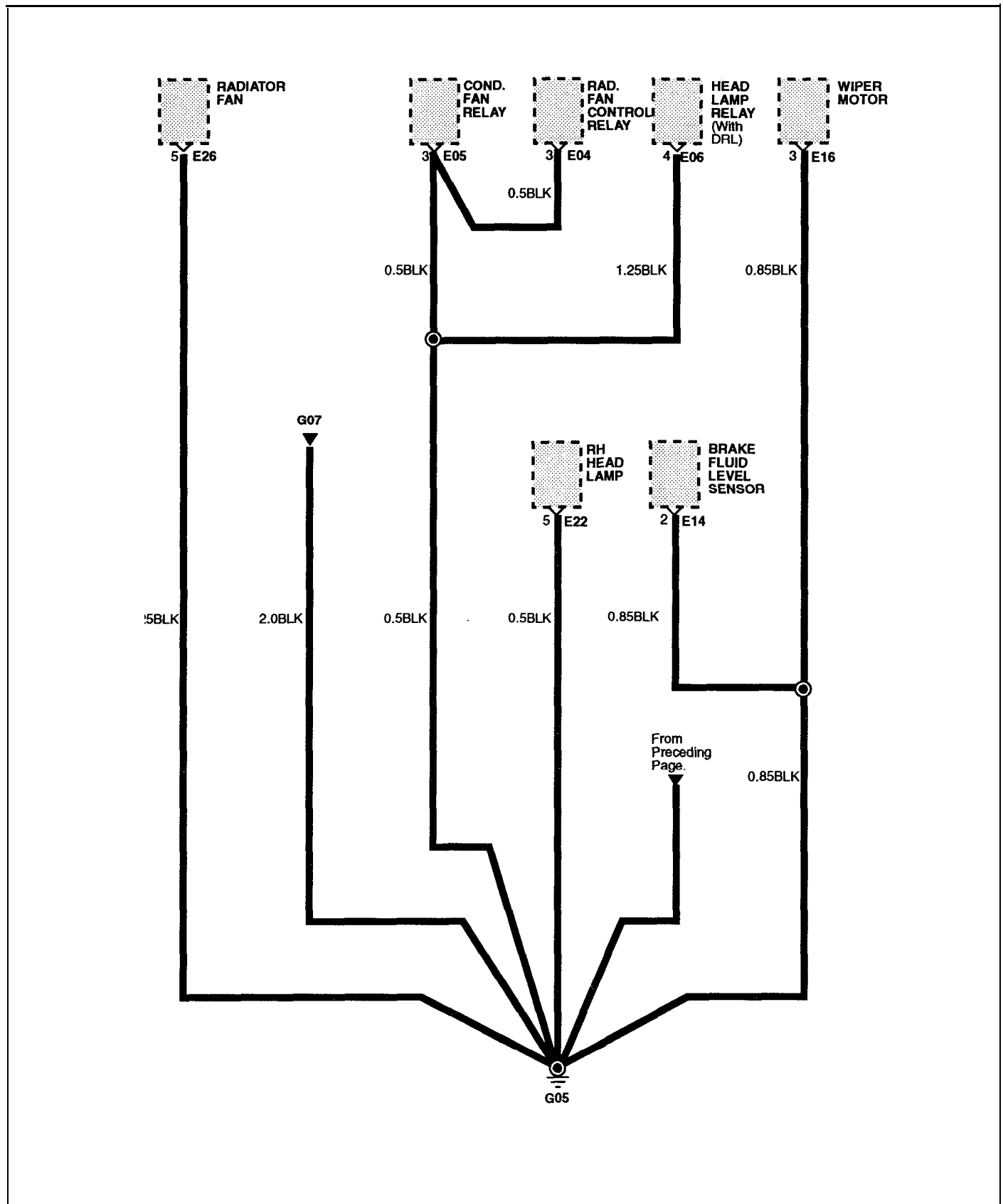
SCHEMATIC DIAGRAM (G03)



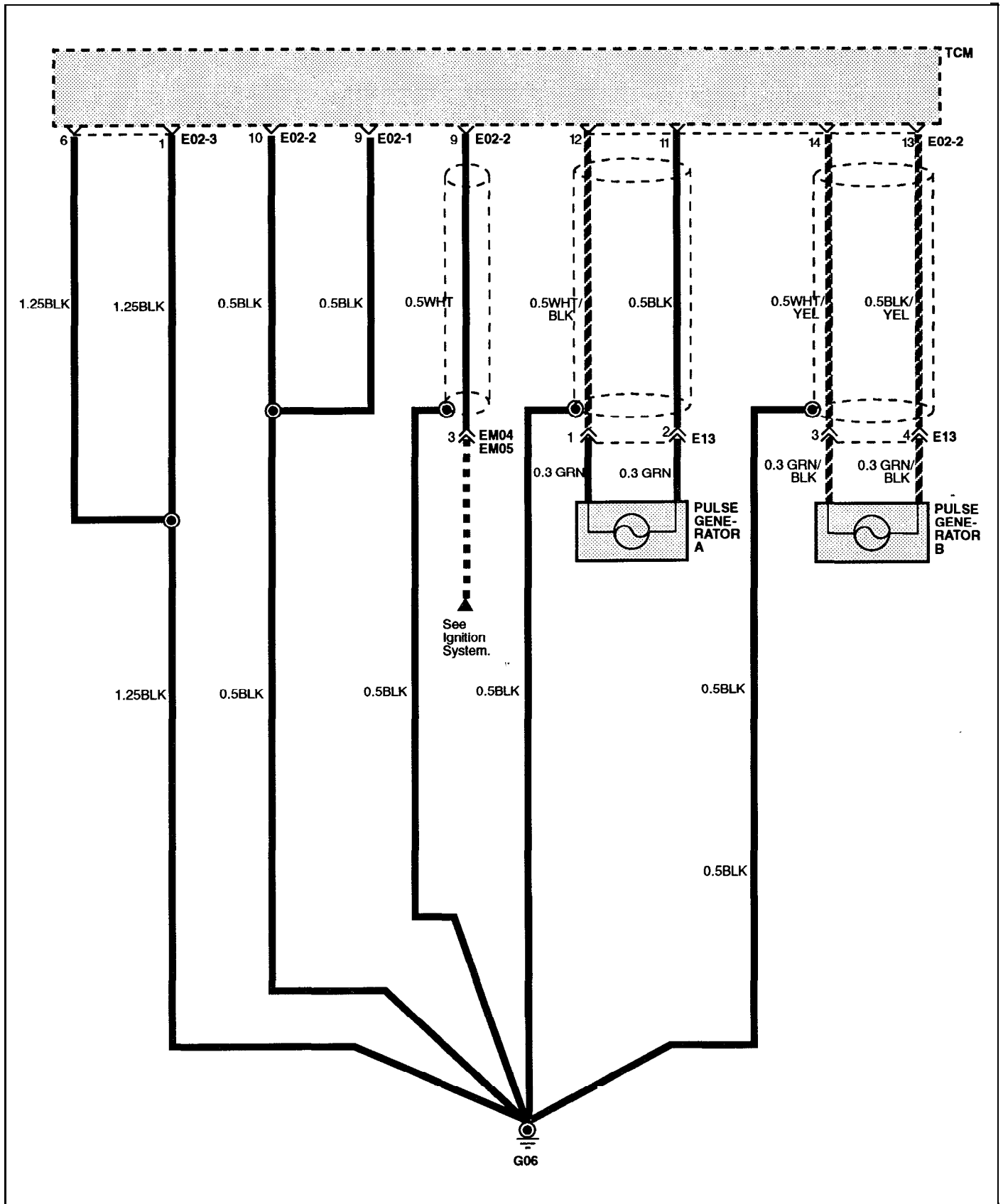
SCHEMATIC DIAGRAM (G04/G05)



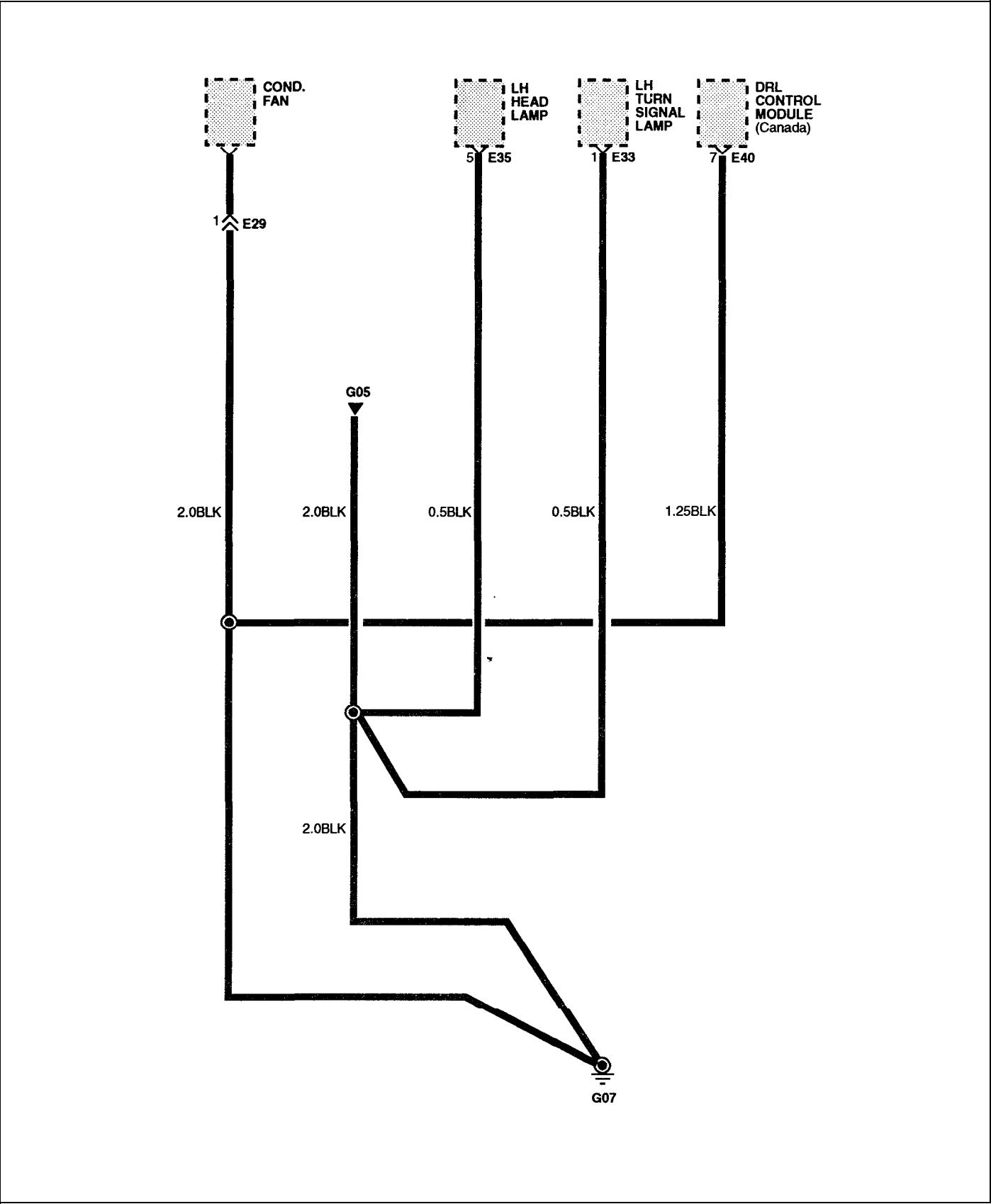
SCHEMATIC DIAGRAM (G05)



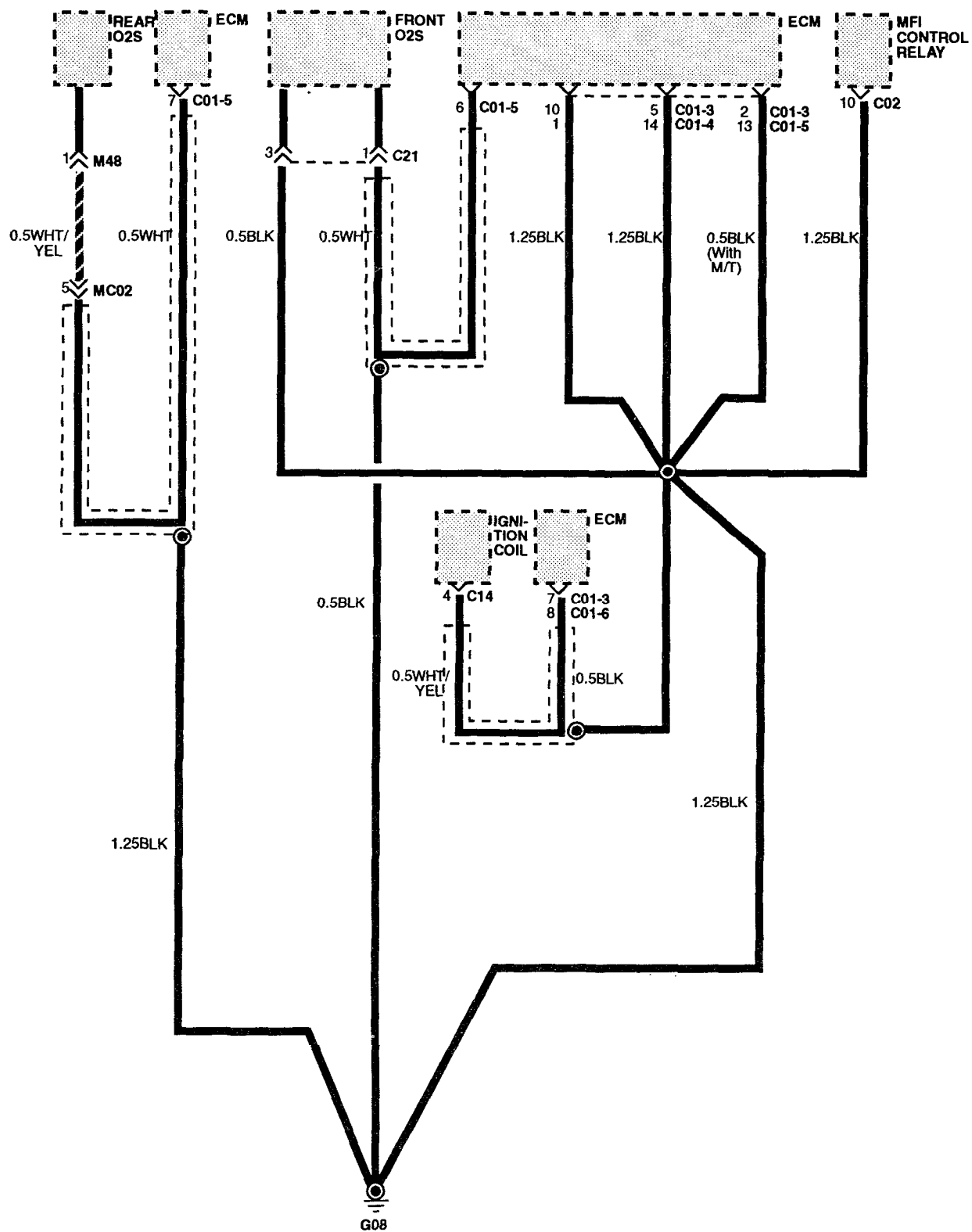
SCHEMATIC DIAGRAM (G06)



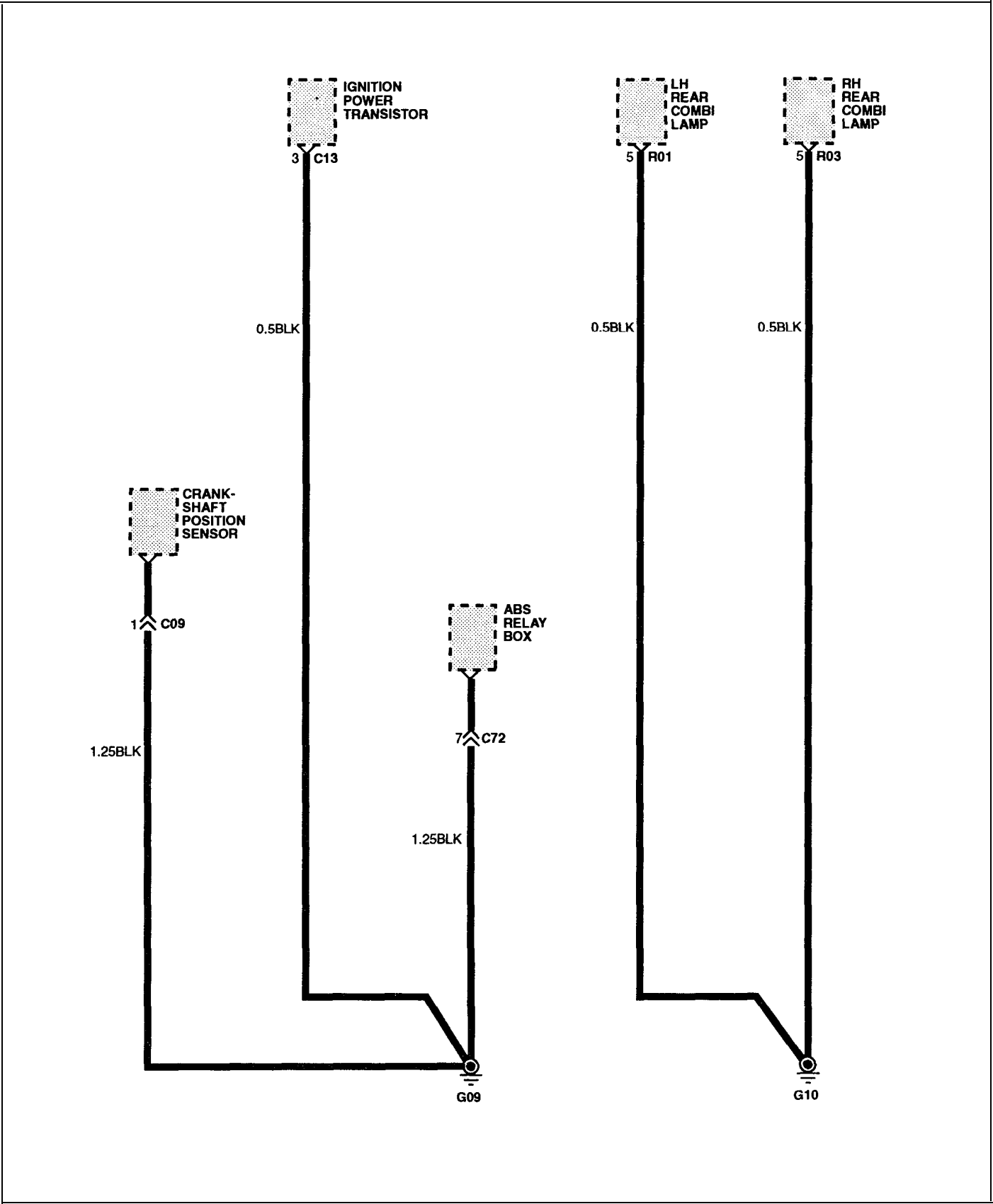
SCHEMATIC DIAGRAM (G07)



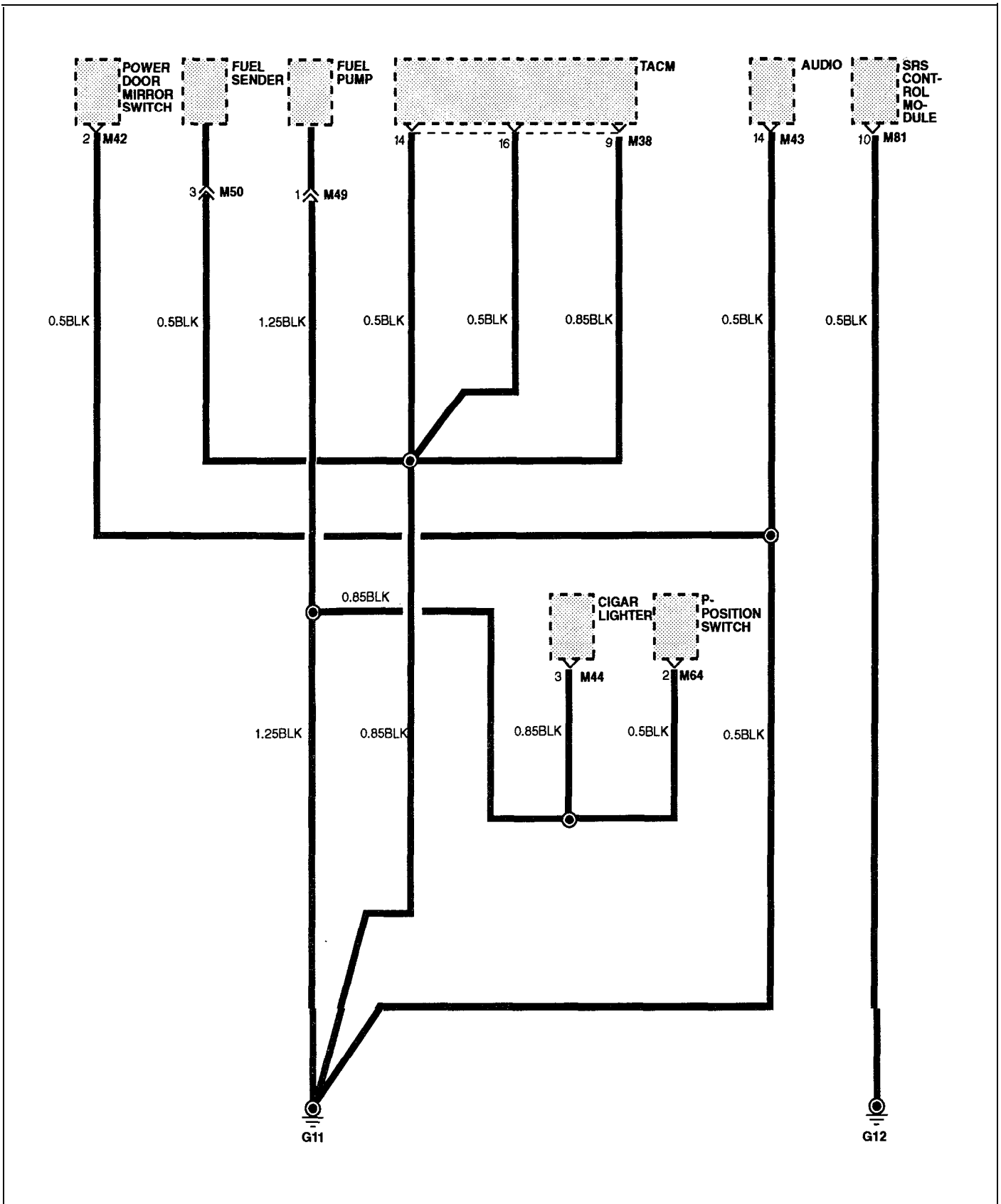
SCHEMATIC DIAGRAM (G08)



SCHEMATIC DIAGRAM (G09/G10)

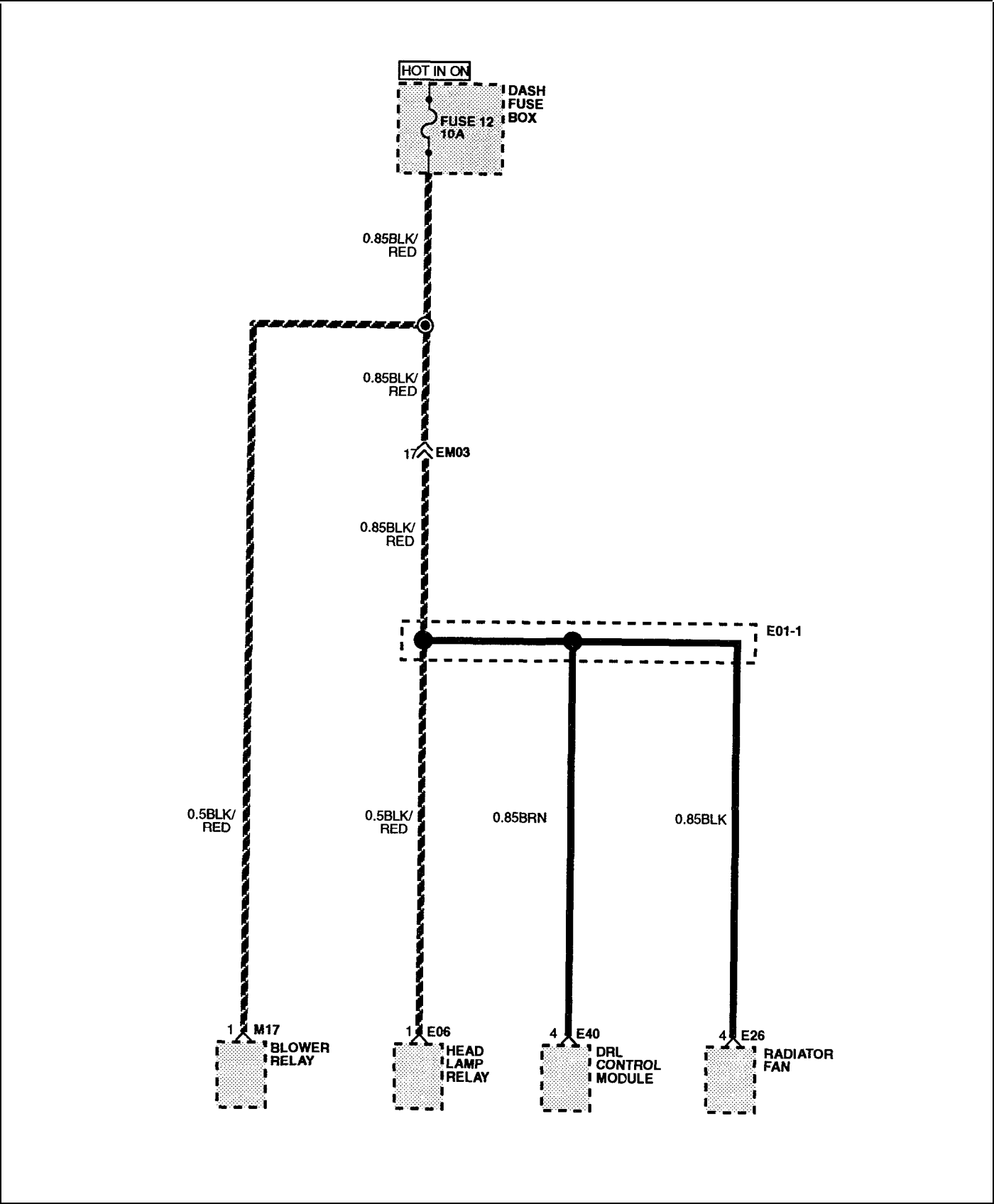


SCHEMATIC DIAGRAM (G11/G12)

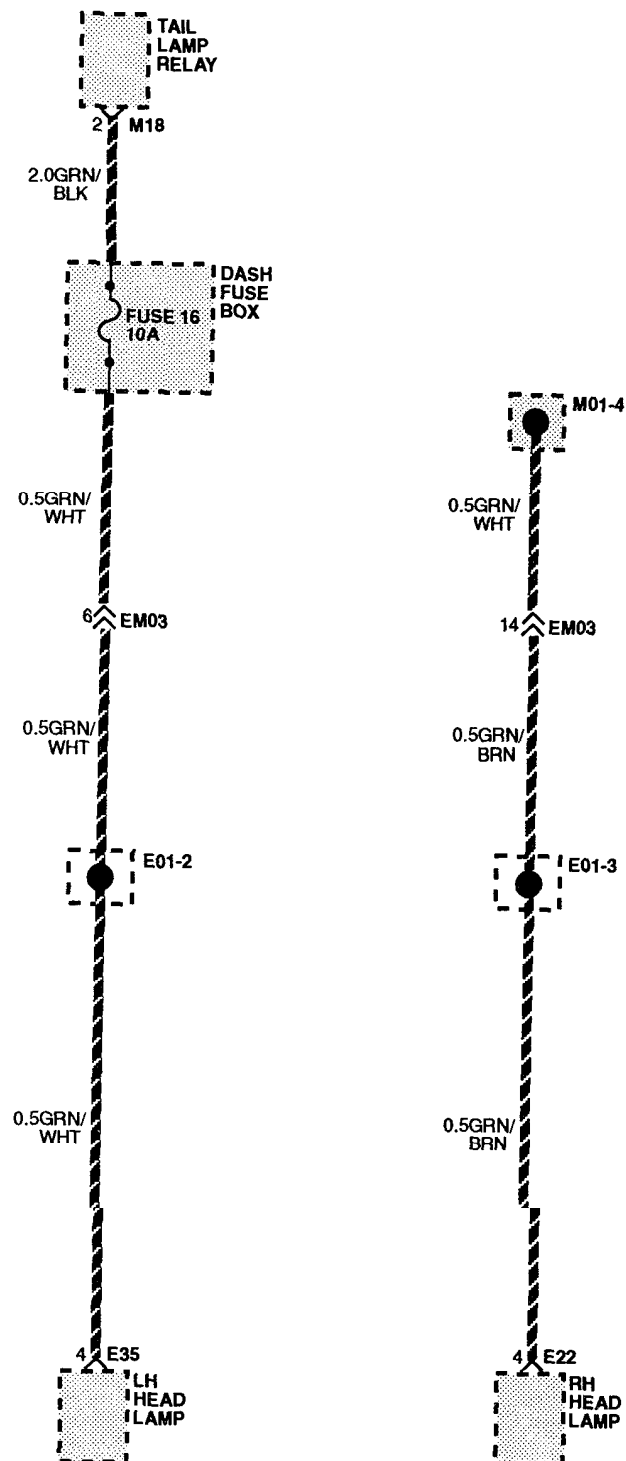


JOINT DISTRIBUTION

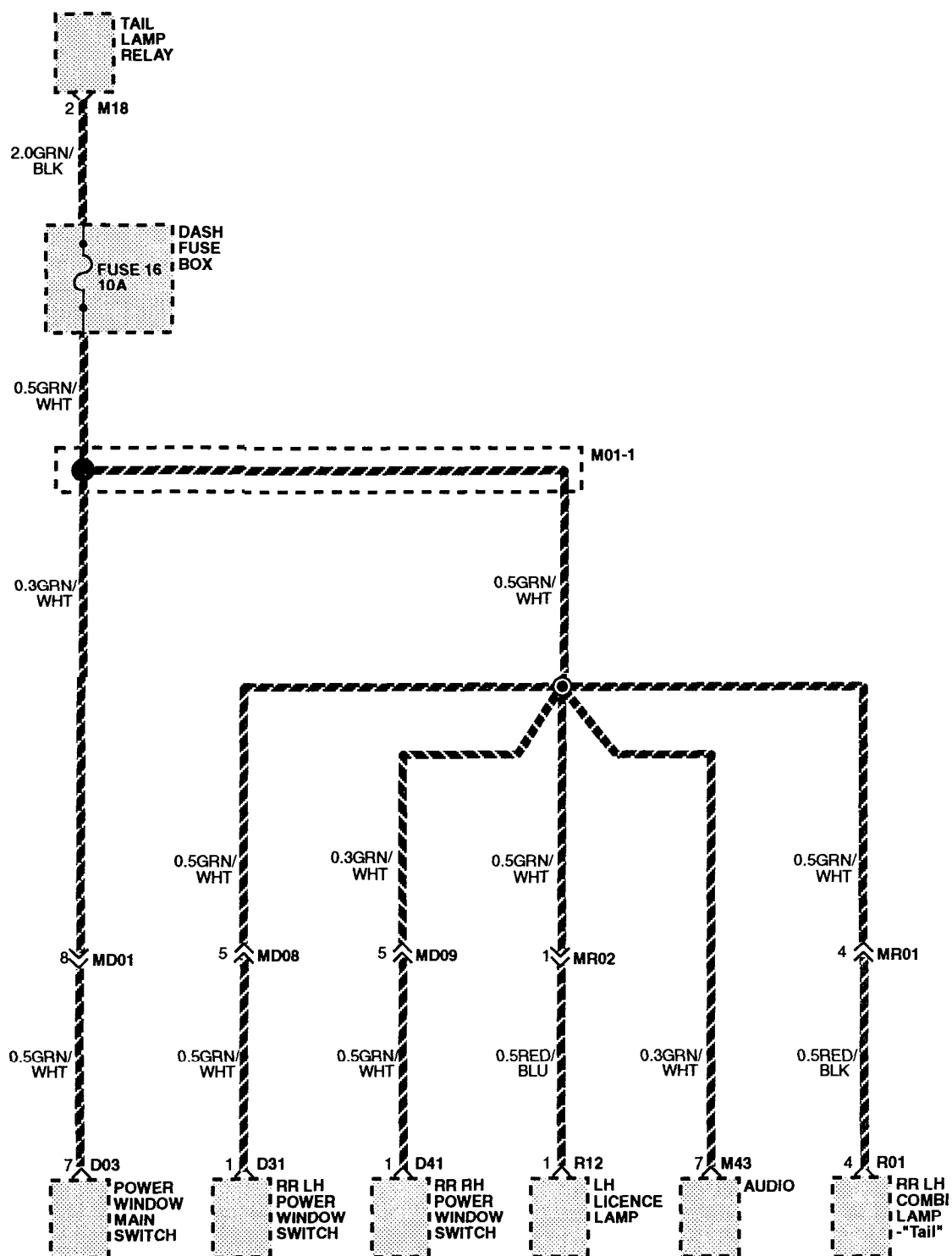
SCHEMATIC DIAGRAM (E01-1)



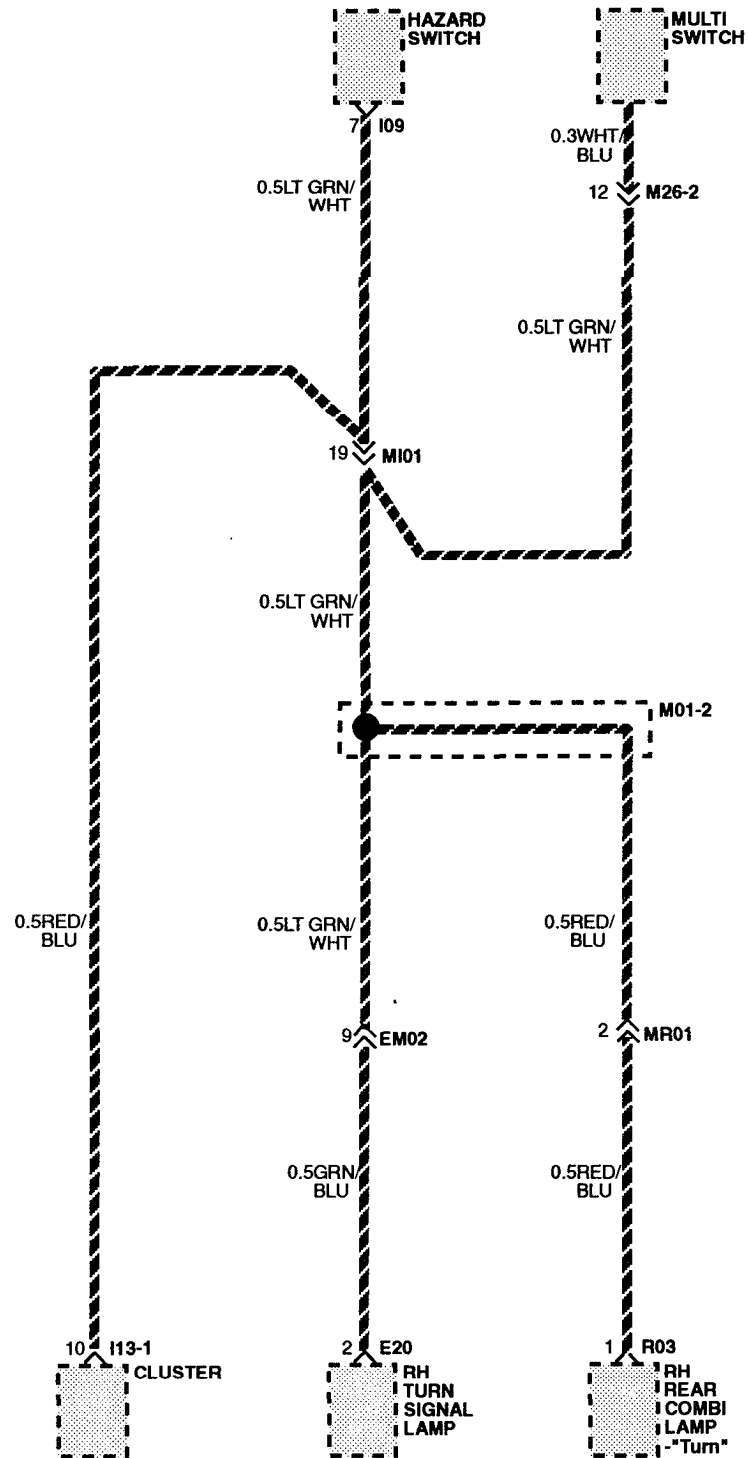
SCHEMATIC DIAGRAM (E0143)



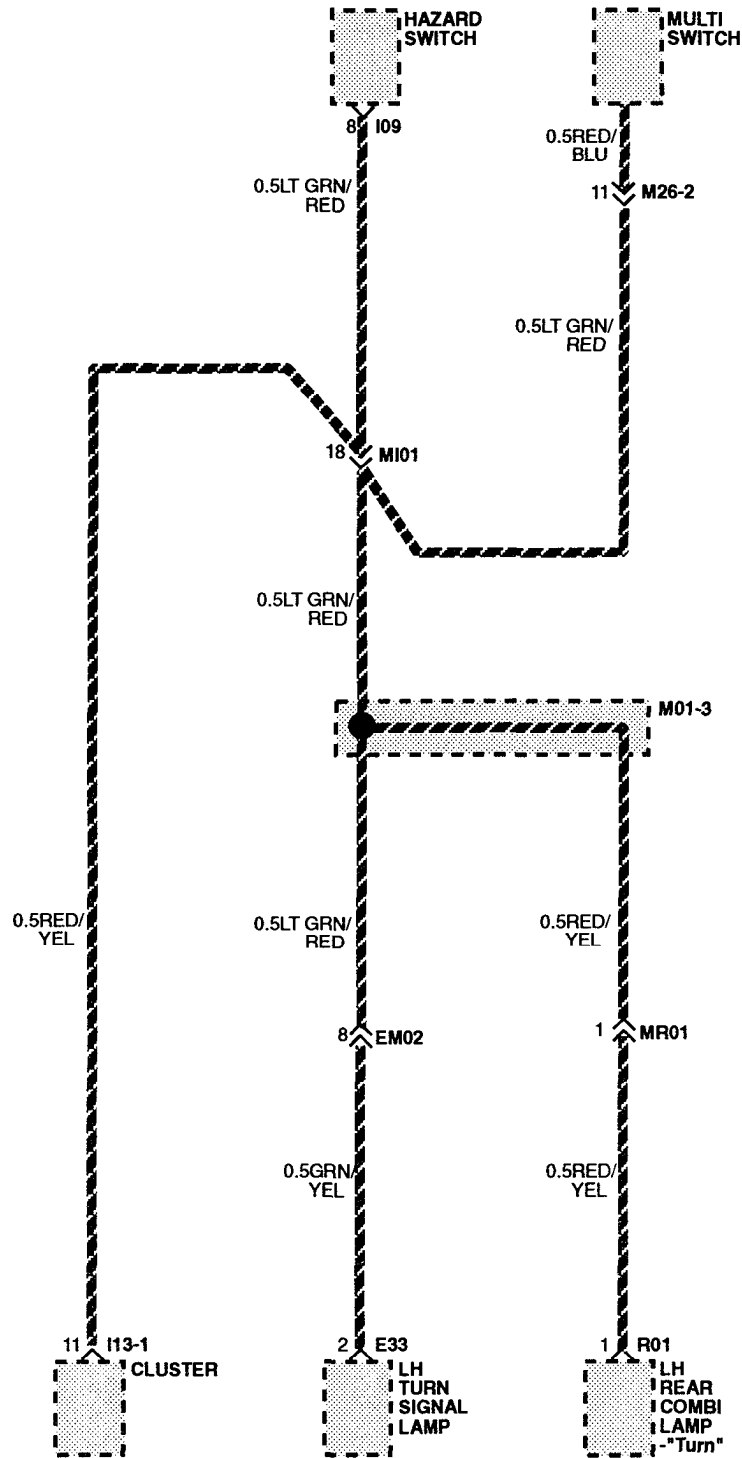
SCHEMATIC DIAGRAM (M01-1)



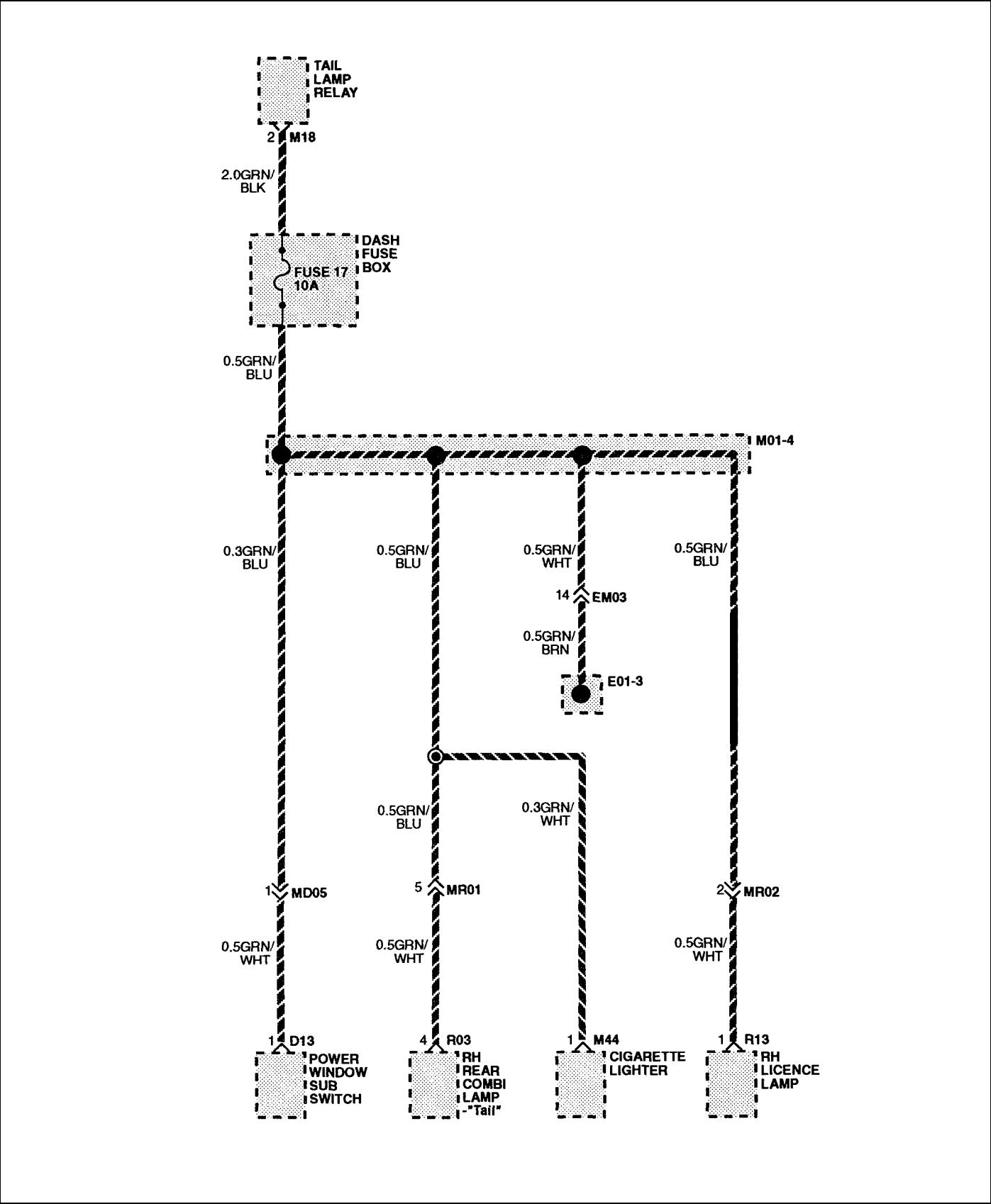
SCHEMATIC DIAGRAM (M01-2)



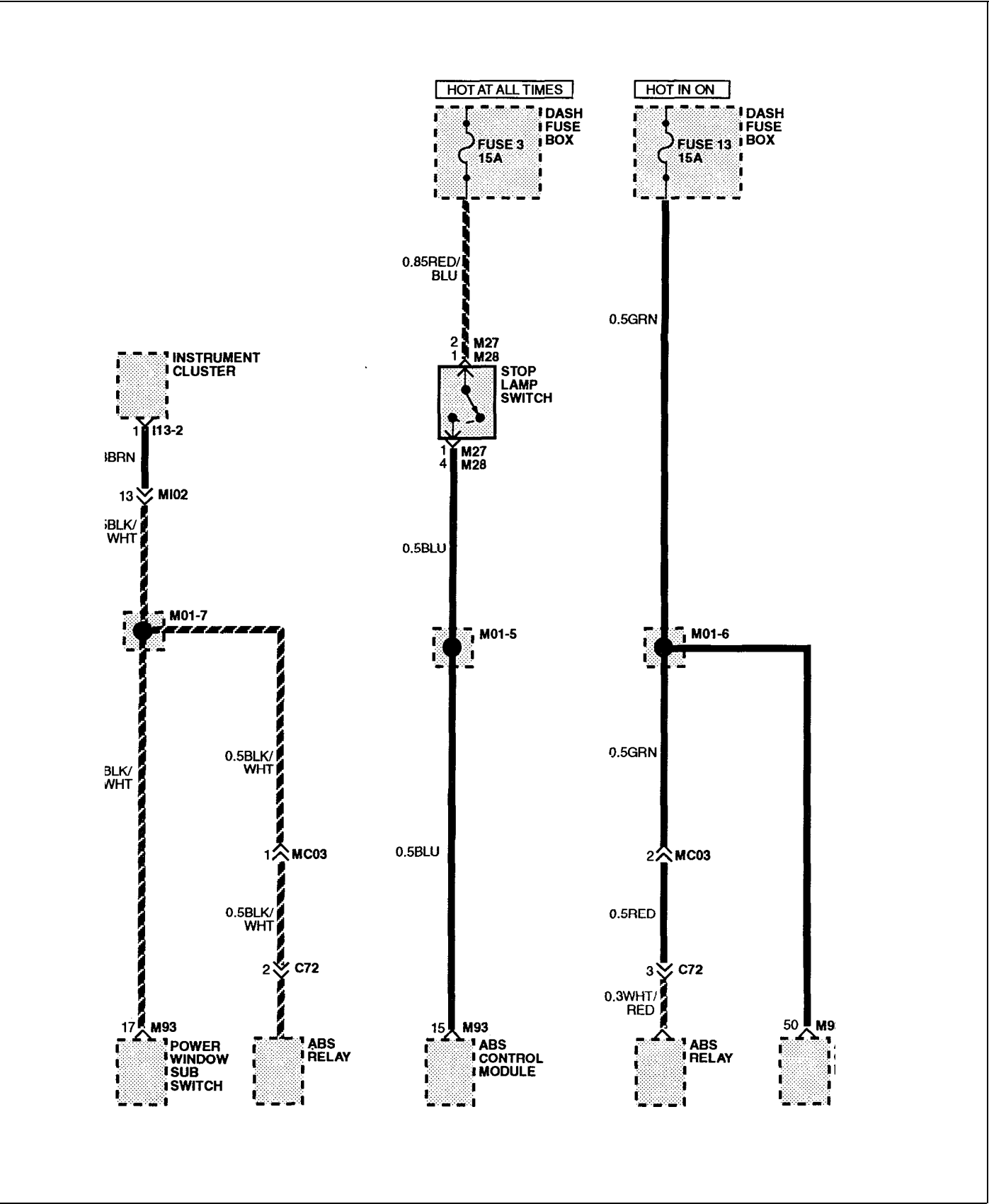
SCHEMATIC DIAGRAM (M01-3)



SCHEMATIC DIAGRAM (M01-4)

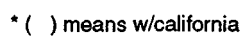


SCHEMATIC DIAGRAM (M01-5)



MEMO

SCHEMATIC DIAGRAM

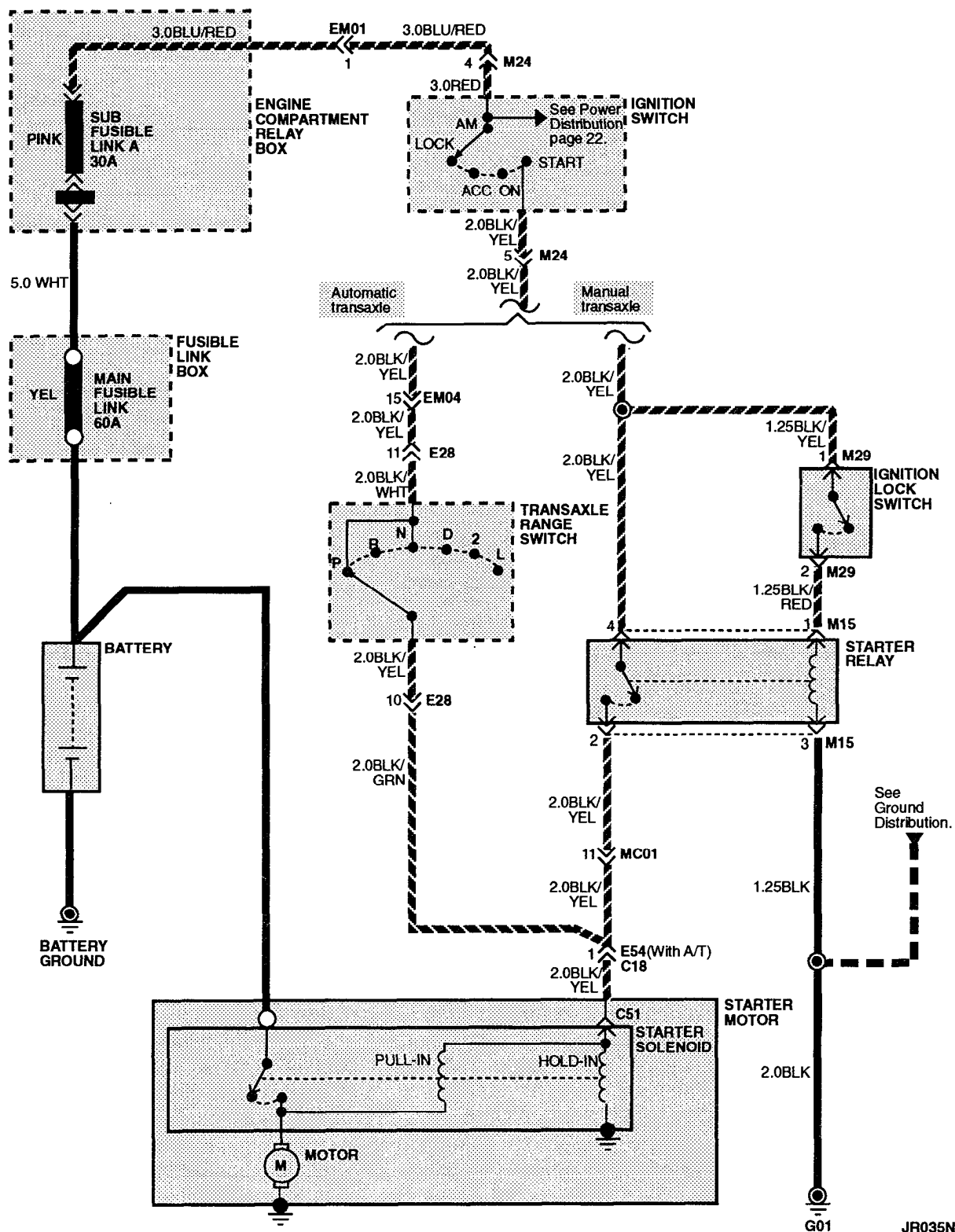


COMPONENT LOCATION INDEX

		Location reference-page
Components		
ECM (C01-2 ~ C01-3)		WS-182
ECM control relay (C02)		WS-182
Ignition coil (C14)		WS-183
Ignition switch (M24)		WS-189
Noise filter (CI 1)		WS-182
Power transistor (C13)		WS-183
Connector		
MC01		WS-201
Ground		
G09		WS-204

STARTING SYSTEM

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Ignition lock switch (M29)	WS-195
Starter motor (C18)	WS-183
Starter relay (M15)	WS-194
Transaxle range switch (E28)	WS-189

Connectors

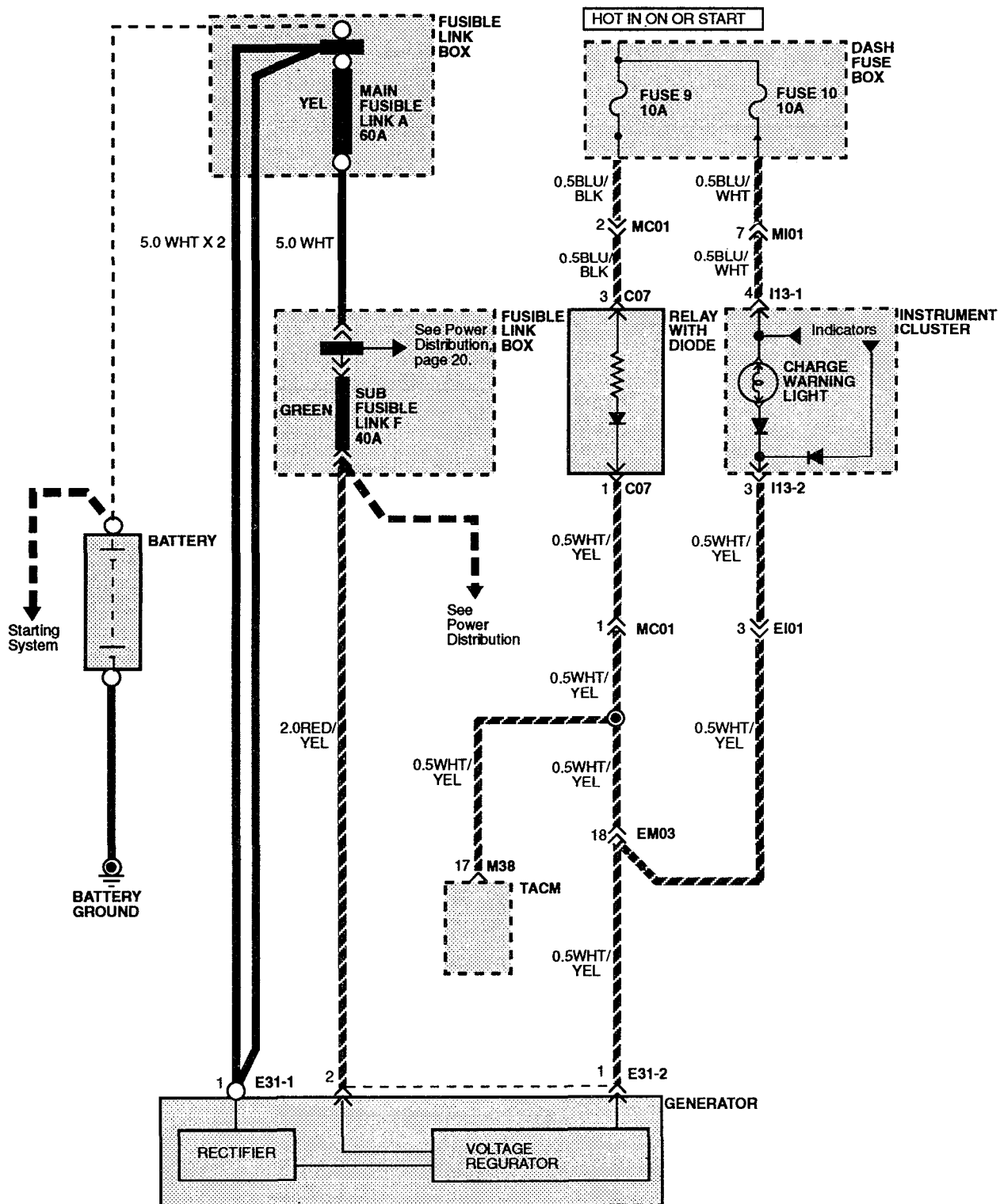
EM04/EM05	WS-191
MC01	WS-201

Ground

G01	WS-203
-----	--------

CHARGING SYSTEM

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Generator (E31-1 ~ E31-2)

WS-189

Instrument cluster (I13-1)

WS-193

Relay with diode (C07)

WS-182

Connectors

EI01

WS-192

EM03

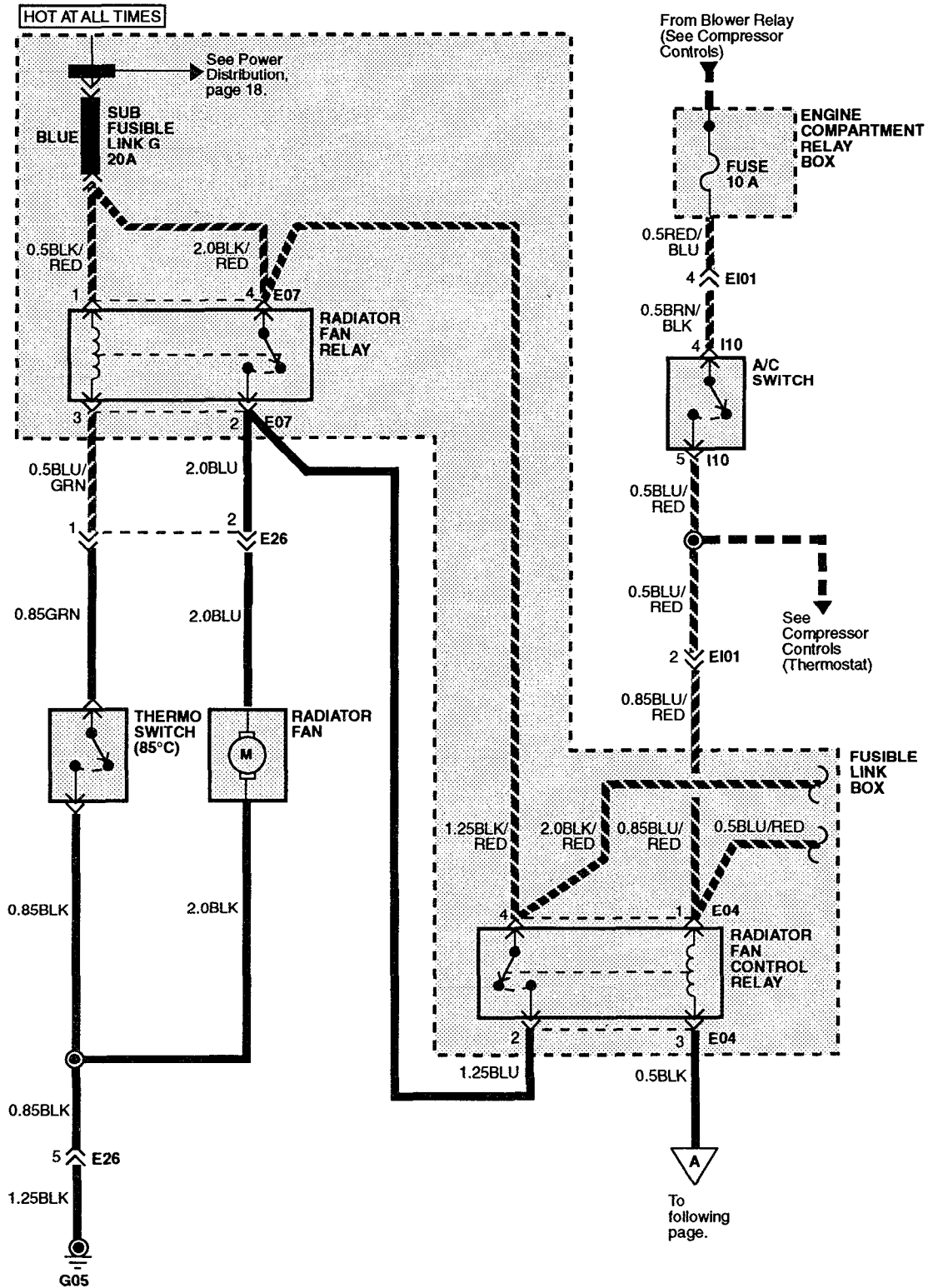
WS-191

MC01

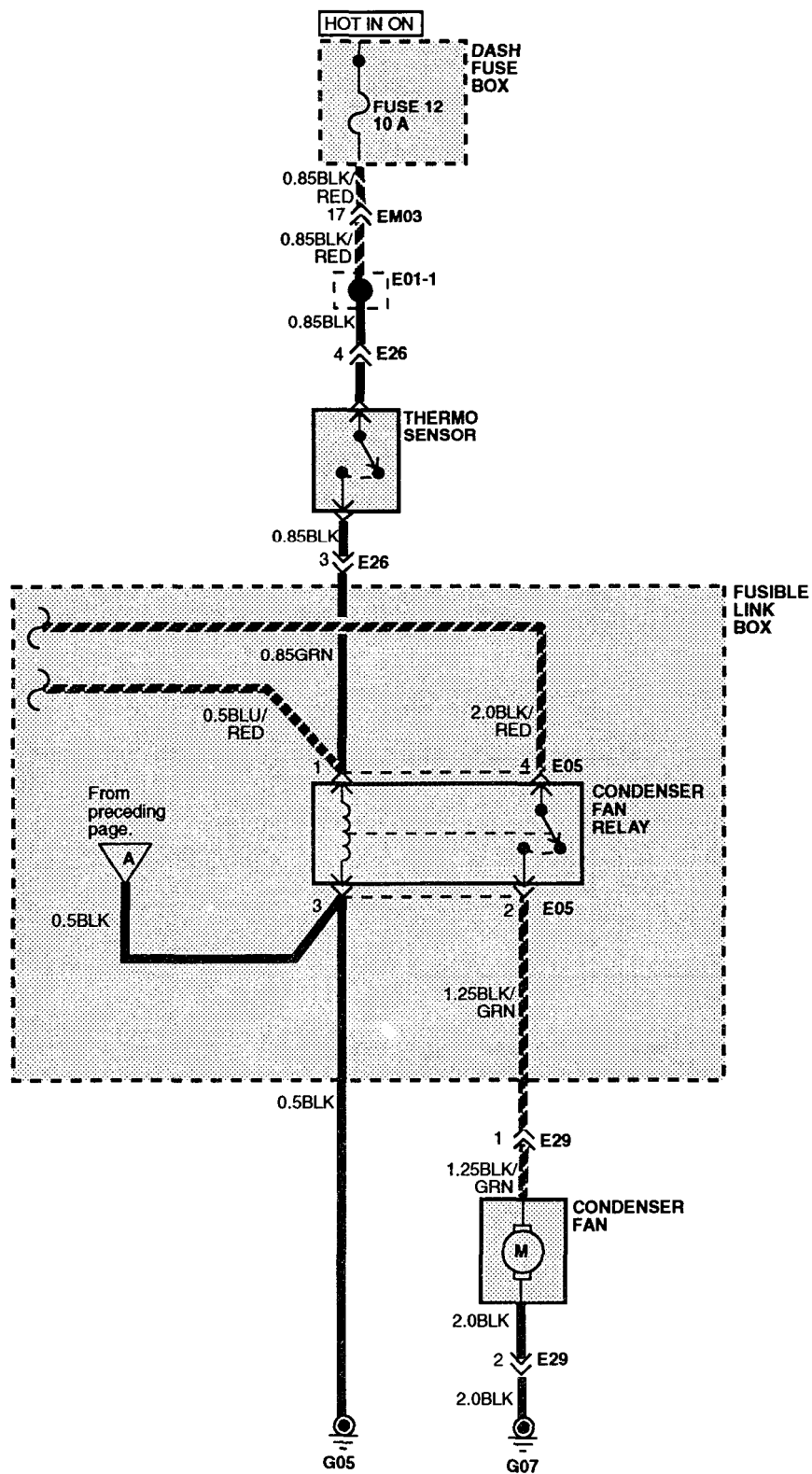
WS-201

COOLING SYSTEM

SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



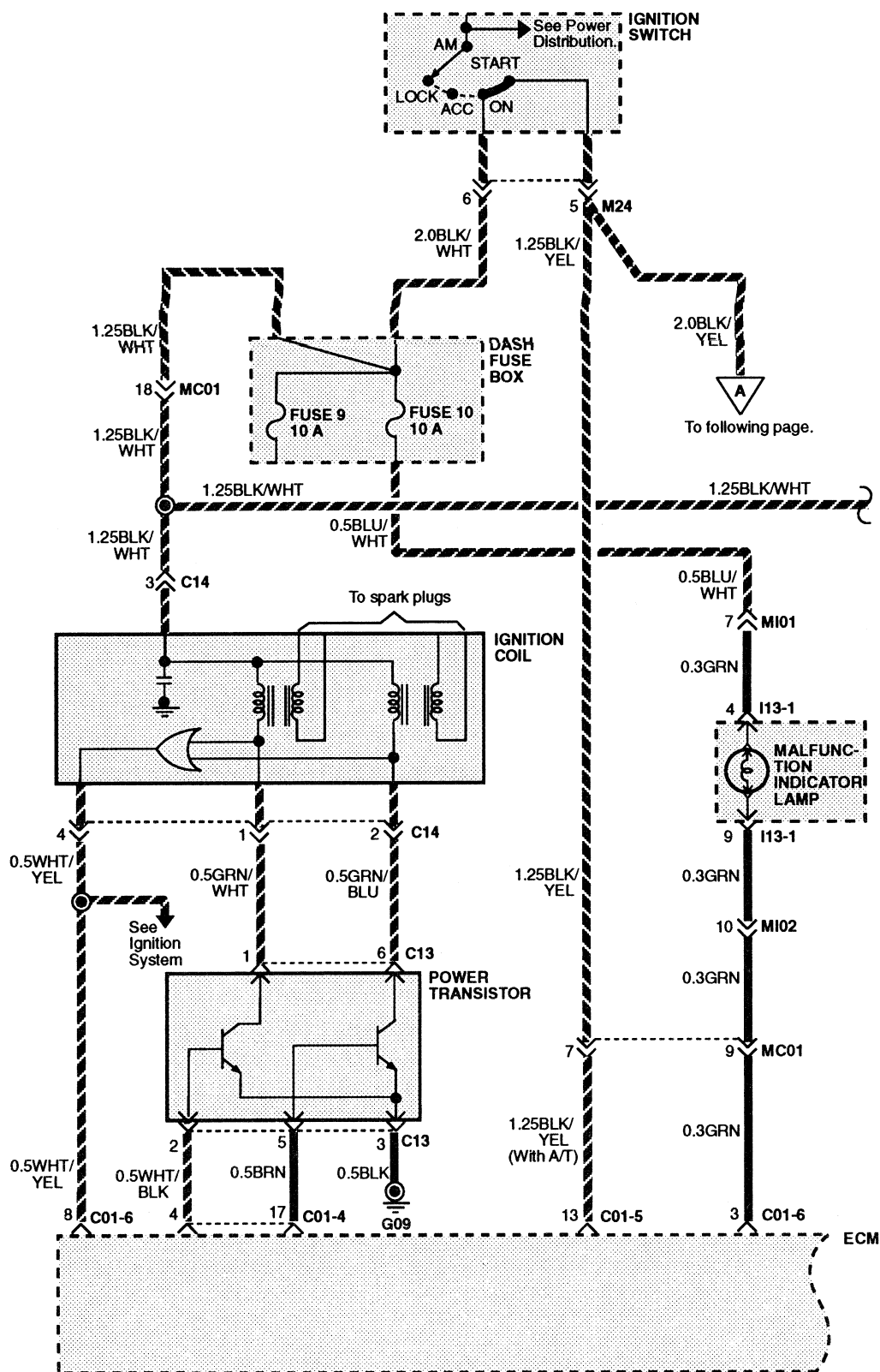
COMPONENT LOCATION INDEX

		Location reference-page
Components		
A/C switch (I10)		WS-193
Condenser fan (E29)		WS-189
Condenser fan control relay (E04)		WS-188
Condenser fan relay (E05)		WS-188
Radiator fan (E26)		WS-189
Radiator fan relay (E07)		WS-188
Thermo switch (E26-2)		WS-189
Therrno sensor (E44)		WS-190
Connectors		
EI01		WS-192
EM03		WS-191
MI01		WS-201
Ground		
G05		WS-203
G07		WS-203

MEMO

DOHC SYSTEM (For California)

SCHEMATIC DIAGRAM (1)



[illegible]

The diagram illustrates the electrical connections for the MFI control relay system. It begins at a power source labeled "HOT AT ALL TIMES" which passes through a "SUB FUSIBLE LINK B 20A" before entering the "DASH FUSE BOX". The main power line, colored 1.25 WHT/BLU, branches out to several components:

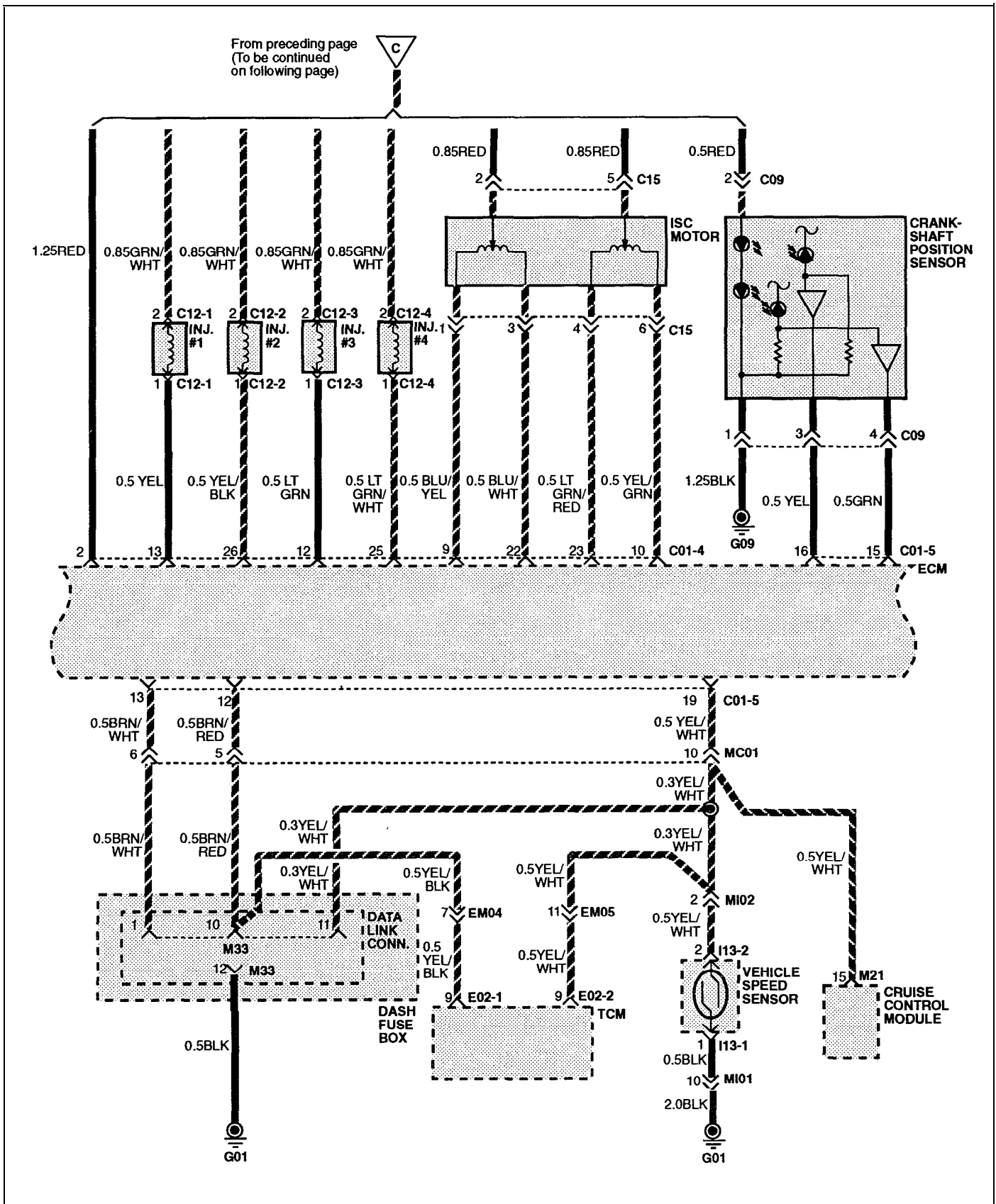
- EM03**: A component connected via a 19-gauge wire.
- MC01**: A component connected via a 16-gauge wire.
- C02**: A coil or switch component connected via a 6-gauge wire.

A secondary power path, colored 1.25 WHT/BLU, runs vertically along the left side of the diagram. Other wires include a 0.5 BRN/RED line and a 1.25 BLK line connected to ground point G08. The central part of the diagram shows two sensor assemblies, each consisting of a "HEATER SENSOR" and an "OXYGEN SENSOR". These are connected to various control modules and relays:

- FRONT HEATED OXYGEN SENSOR** and **REAR HEATED OXYGEN SENSOR** both connect to **M70**.
- MC02** is connected to multiple points, including the oxygen sensors and other control lines.
- PURGE SOL.** (C03) and **EGR SOL.** (C25) are solenoid valves controlled by 0.5 GRN/RED and 0.5 BRN/WHT wires.

The bottom of the diagram features a series of connection points labeled C01-5, C01-6, C01-4, C01-5, C01-5, C01-4, and C01-4, which interface with the ECM (Engine Control Module). Arrows labeled "B" and "C" indicate where the wiring continues on subsequent pages.

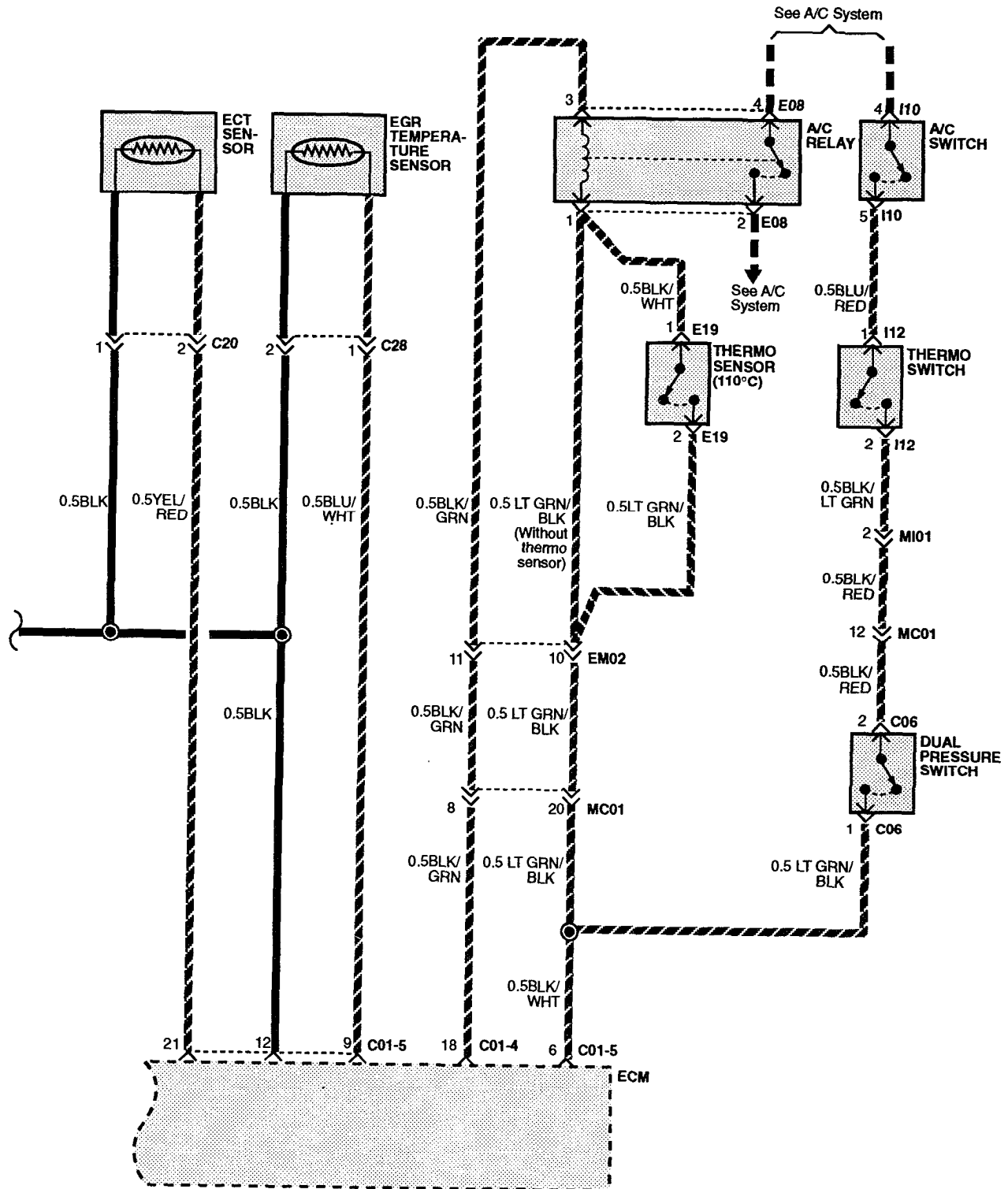
SCHEMATIC DIAGRAM (4)



This wiring diagram illustrates the electrical system for the 1986-87 Chevrolet 2.5L engine. It shows the following components and their connections:

- VAF SENSOR (Variable Air Flow):** Connected to the ECM (Engine Control Module) via a 2-wire cable (C22). The sensor is also connected to the TP sensor.
- TP SENSOR (Throttle Position):** Connected to the ECM via a 3-wire cable (C17). The sensor is also connected to the VAF sensor.
- ECM (Engine Control Module):** The central control unit, connected to various sensors and actuators.
- IGNITION CONTROL ADJUSTING CONN. (C04):** Connected to the ECM via a 1-wire cable (C01-6).
- IDLE SWITCH:** Connected to the ECM via a 1-wire cable (C30).
- POWER STEERING PRESSURE SWITCH:** Connected to the ECM via a 1-wire cable (E30).
- Wiring Details:**
 - Wires are color-coded: 0.5GRN/BLU, 0.5GRN/WHIT, 0.5BRN, 0.5GRN/RED, 0.5GRN/RED, 0.5GRN/RED, 0.5LT GRN/YEL, 0.5BLK, 0.5BLU, 0.5YEL/GRN, 0.5LT GRN/RED, 0.85BLU.
 - Connectors are labeled: C22, C17, C01-6, C01-5, C04, C30, E30, MC01, EM02.

SCHEMATIC DIAGRAM (6)



COMPONENT LOCATION INDEX

Location reference-page

Components

A/C relay (E08)	WS-188
A/C switch (I10)	WS-193
Auto cruise module (M21)	WS-194
Crankshaft position sensor (C09)	WS-182
Data link conn. (M33)	WS-196
ECM control relay (C02)	WS-182
ECM (C01 -1 ~. C01 -3)	WS-182
ELC module (E02-2)	WS-188
ECTS (C20)	WS-183
Fuel pump motor (M50)	WS-197
Idle switch (C30)	WS-184
Ignition switch (M24)	WS-195
Ignition coil (C14)	WS-183
Ignition lock switch (M29)	WS-195
Injectors (C12-1 ~ C12-4)	WS-182
Instrument cluster (I13-1)	WS-193
ISC motor (C15)	WS-183
Ignition control adjusting conn. (C19)	WS-183
Low pressure switch (C06)	WS-182
Oxygen sensor (C21)	WS-183
Power steering switch (E30)	WS-189
Power transistor (C13)	WS-183
Starter relay (M15)	WS-194
Transaxle range switch (E28)	WS-189
Thermo sensor (EI 9)	WS-188
Thermo switch (I12)	WS-193
TPS (C17)	WS-183
VAFS (C22)	WS-183

Connectors

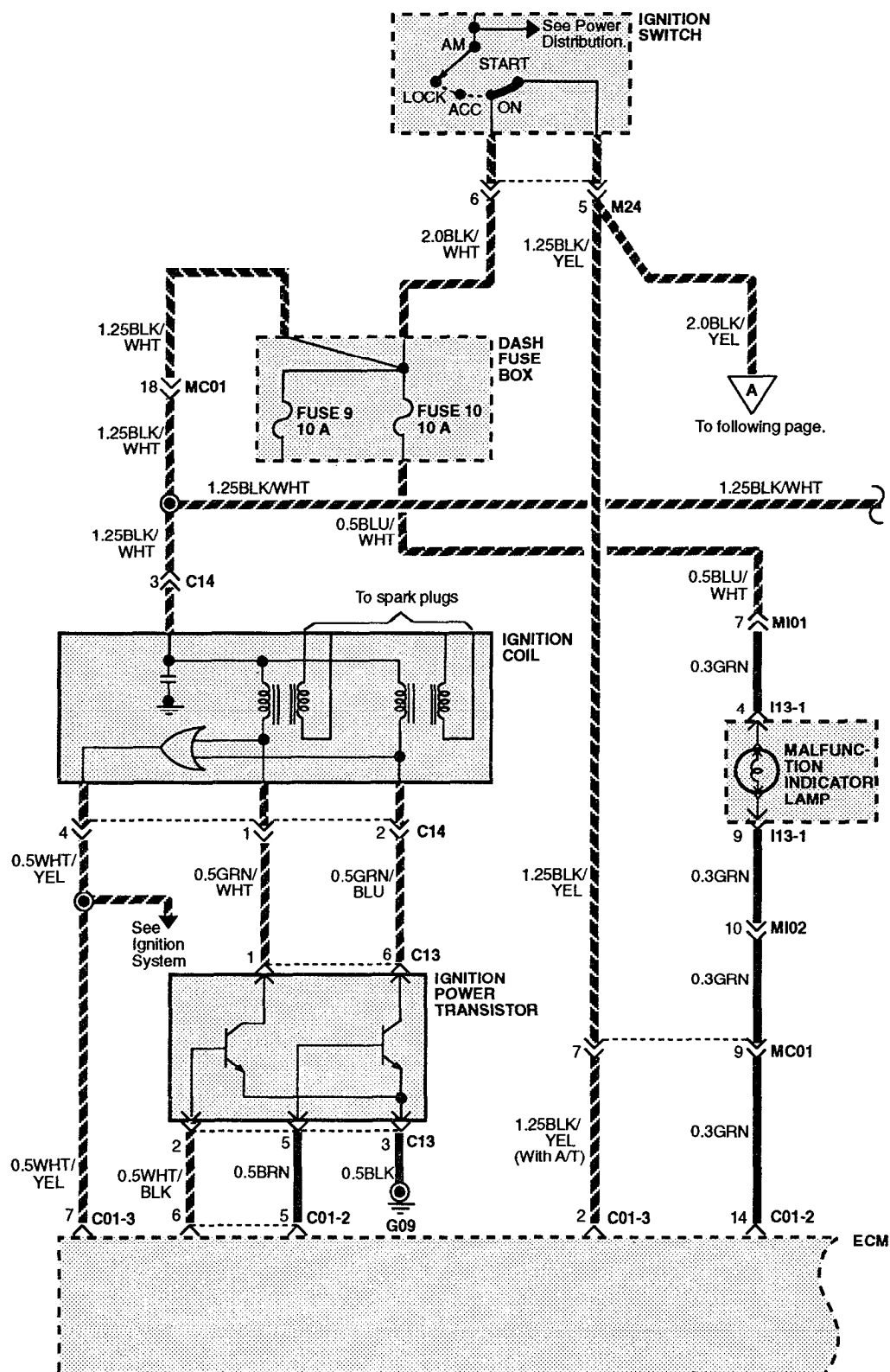
EM02	WS-191
EM03	WS-191
EM04	WS-191
EM05	WS-191
MC01	WS-201
MI01	WS-201
MI02	WS-201

Ground

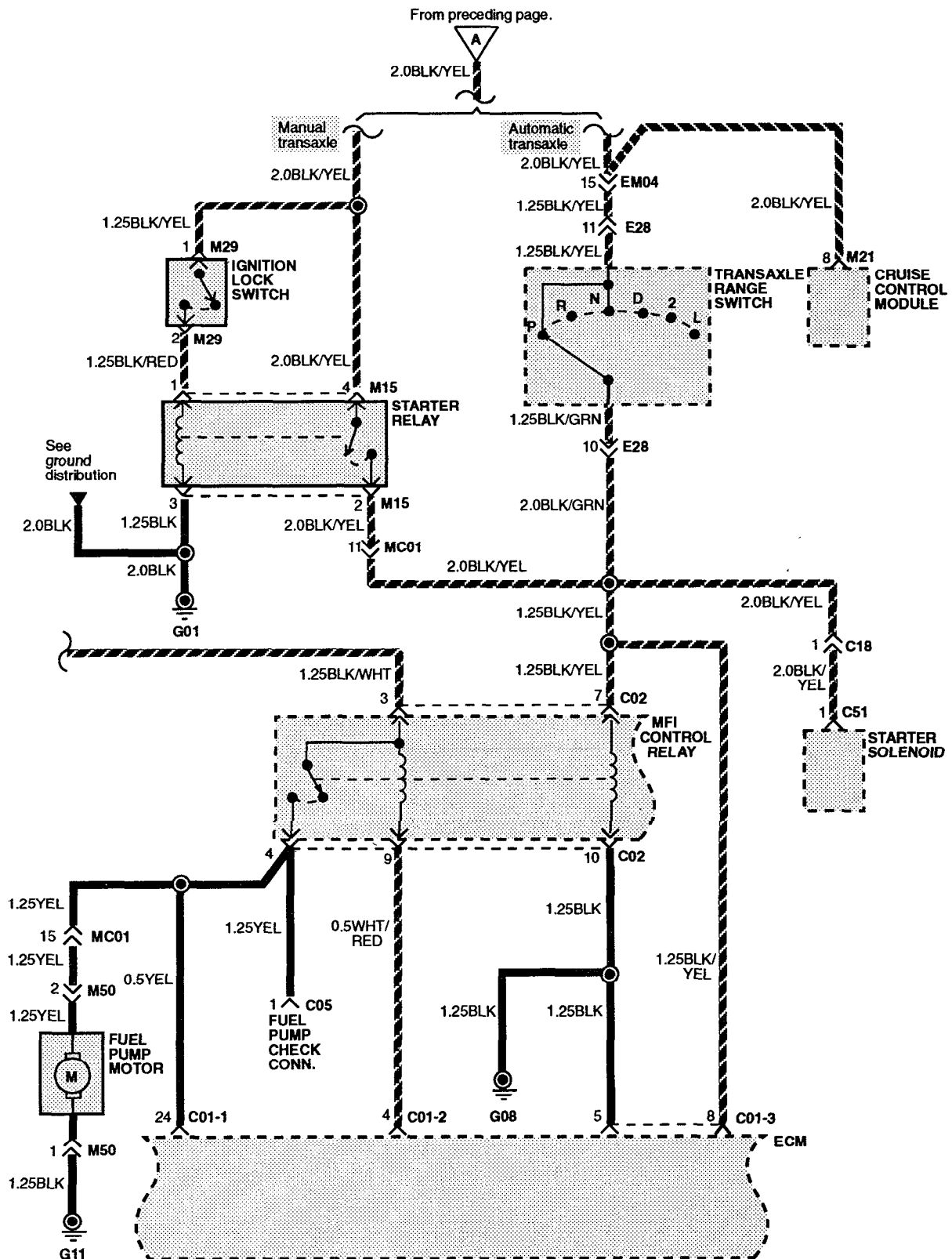
G01	WS-203
G08	WS-203
G09	WS-204
G11	WS-204

MEMO

SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



Wiring Diagram for Heated Oxygen Sensor (H.O.S.) and MFI Control Relay

Legend:

- WHT:** White
- BLU:** Blue
- BLK:** Black
- BRN:** Brown
- RED:** Red
- GRN:** Green

Key Components and Connections:

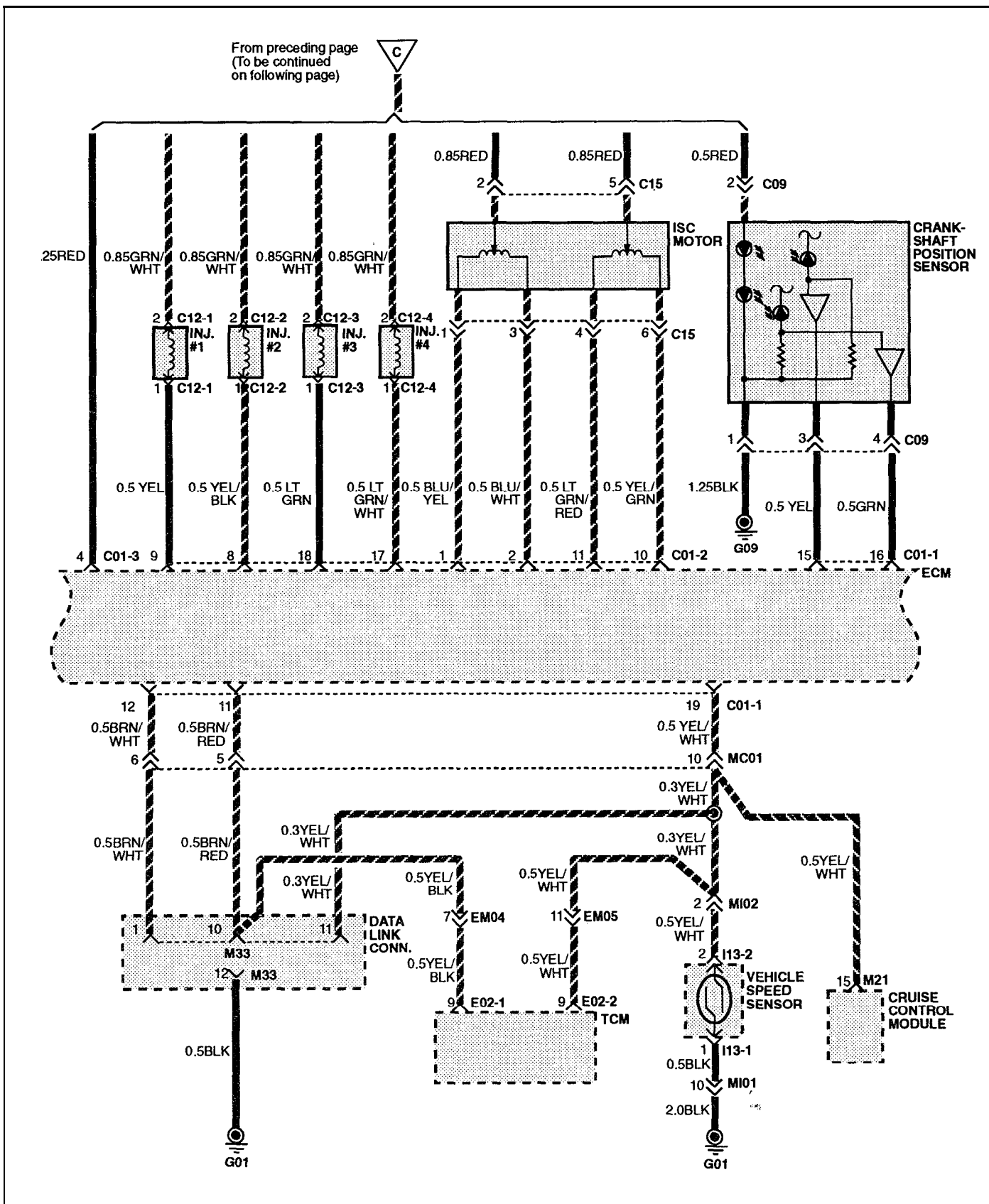
- Power Source:** DASH FUSE BOX (HOT AT ALL TIMES) → SUB FUSIBLE LINK B (20A) → 1.25WHT/BLU wire.
- ECM (Engine Control Module) Connections:**
 - Pin 3 (C01-3) to Pin 15 (C01-2) via 1.25WHT/BLU wire.
 - Pin 12 (C01-2) to Pin 10 (C01-3) via 1.25WHT/BLU wire.
 - Pin 13 (C01-1) to Pin 9 (C01-2) via 1.25WHT/BLU wire.
 - Pin 16 (C01-2) to Pin 9 (C01-3) via 1.25WHT/BLU wire.
- Heated Oxygen Sensor (H.O.S.) Connections:**
 - Pin 1 (C21) to Pin 4 (C21) via 1.25BRN/WHT wire.
 - Pin 2 (C21) to Pin 3 (C21) via 0.5BLK wire.
 - Pin 1 (C21) to Pin 2 (C21) via 0.5BLK wire.
 - Pin 1 (C21) to Pin 2 (C21) via 0.5BLK wire.
 - Pin 1 (C21) to Pin 2 (C21) via 0.5BLK wire.
 - Pin 1 (C21) to Pin 2 (C21) via 0.5BLK wire.
- MFI Control Relay Connections:**
 - Pin 1 (C02) to Pin 2 (C02) via 1.25RED wire.
 - Pin 1 (C02) to Pin 2 (C02) via 1.25RED wire.
 - Pin 1 (C02) to Pin 2 (C02) via 1.25RED wire.
 - Pin 1 (C02) to Pin 2 (C02) via 1.25RED wire.
 - Pin 1 (C02) to Pin 2 (C02) via 1.25RED wire.
- Purge Solenoid (PURGE SOL.) Connections:**
 - Pin 1 (C03) to Pin 2 (C03) via 0.5GRN/RED wire.
 - Pin 1 (C03) to Pin 2 (C03) via 0.5GRN/RED wire.
 - Pin 1 (C03) to Pin 2 (C03) via 0.5GRN/RED wire.
 - Pin 1 (C03) to Pin 2 (C03) via 0.5GRN/RED wire.
 - Pin 1 (C03) to Pin 2 (C03) via 0.5GRN/RED wire.
- Grounding:**
 - G08 ground connection.
 - Ground connection for the HEATED OXYGEN SENSOR.

Notes:

- See Power Distribution for DASH FUSE BOX details.
- Refer to the following page for additional wiring information.

Diagram Reference: JR037N-2.J02

SCHEMATIC DIAGRAM (4)



From page 72.

VAF SENSOR

TP SENSOR

ECM

IGNITION CONTROL ADJUSTING CONN.

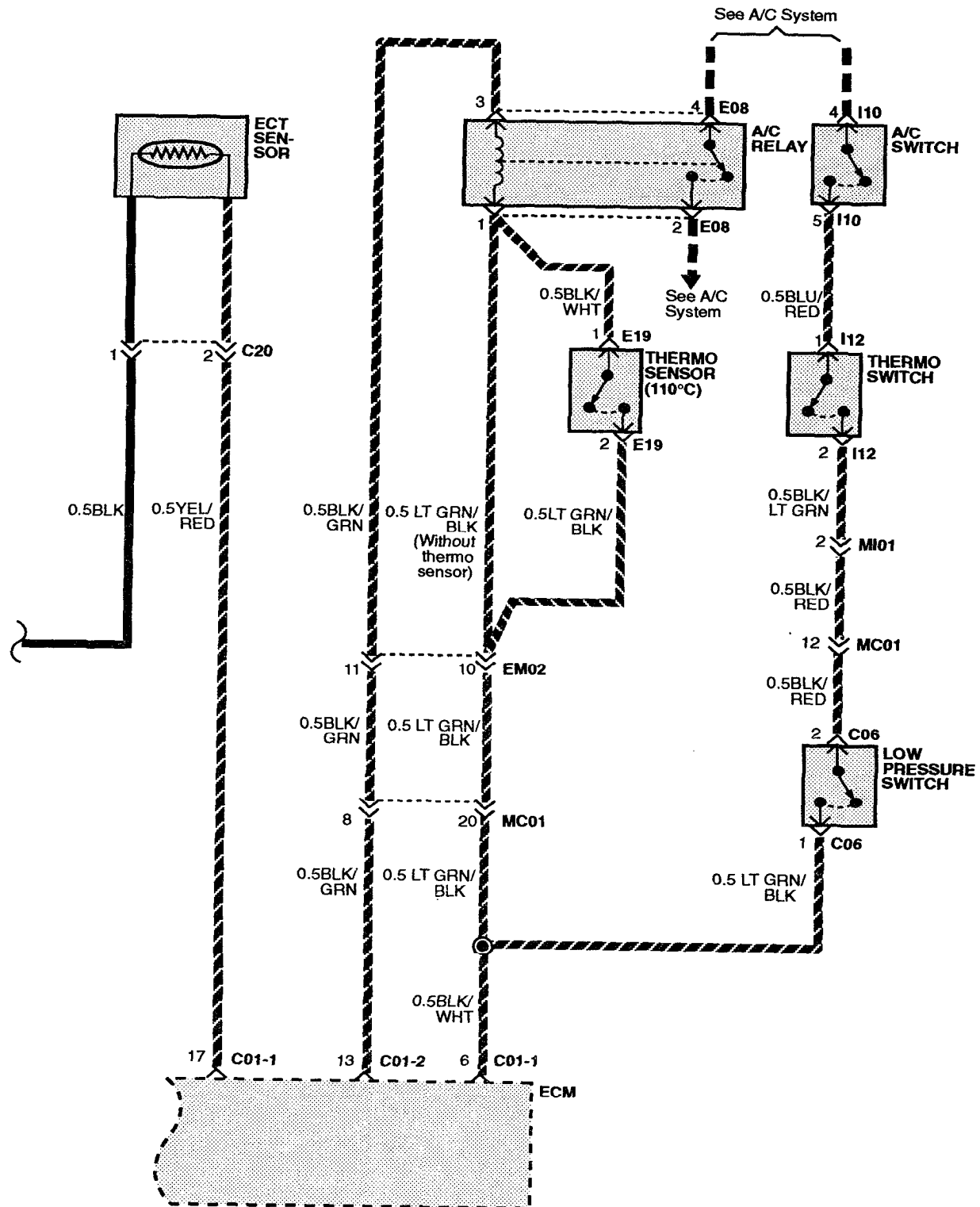
IDLE SWITCH

POWER STEERING PRESSURE SWITCH

Wiring Details:

- VAF SENSOR:**
 - Terminal 2: 1.25RED (From page 72)
 - Terminal 1: 0.5GRN/RED
 - Terminal 6: 0.5BLK
 - Terminal 5: 0.5BRN
 - Terminal 4: 0.5GRN/BLU
 - Terminal 3: 0.5GRN/WHT
- TP SENSOR:**
 - Terminal 1: 0.5BLK
 - Terminal 3: 0.5LT GRN/YEL
 - Terminal 4: 0.5GRN/RED
- ECM:**
 - Terminal 13: 0.5BLK
 - Terminal 14: 0.5GRN/RED
 - Terminal 18: 0.5LT GRN/YEL
 - Terminal 20: 0.5BLK
 - Terminal 21: 0.5BRN
 - Terminal 5: 0.5GRN/BLU
 - Terminal 3: 0.5GRN/WHT
- Other Components:**
 - C19:** 1. 0.5 LT GRN/RED
 - C30:** 1. 0.5 YEL/GRN
 - MC01:** 4. 0.5 BLU
 - EM02:** 3. 0.5 BLU
 - E30:** 1. 0.85BLU

SCHEMATIC DIAGRAM (6)



COMPONENT LOCATION INDEX

Location reference-page

Components

A/C relay (E08)	WS-188
A/C switch (I10)	WS-193
Auto cruise module (M21)	WS-194
Crankshaft position sensor (C09)	WS-182
Data link conn. (M33)	WS-196
ECM control relay (C02)	WS-182
ECM (C01 -1 ~ C01 -3)	WS-182
ELC module (E02-2)	WS-188
ECTS (C20)	WS-183
Fuel pump motor (M50)	WS-197
Idle switch (C30)	WS-184
Ignition switch (M24)	WS-195
Ignition coil (C14)	WS-183
Ignition lock switch (M29)	WS-195
Injectors (C12-1 ~ CI 2-4)	WS-182
Instrument cluster (I13-1)	WS-193
ISC motor (CI 5)	WS-183
Ignition control adjusting conn. (CI 9)	WS-183
Low pressure switch (C06)	WS-182
Oxygen sensor (C21)	WS-183
Power steering switch (E30)	WS-189
Power transistor (C13)	WS-183
Starter relay (M15)	WS-194
Transaxle range switch (E28)	WS-189
Thermo sensor (EI 9)	WS-188
Thermo switch (I12)	WS-193
TPS (CI 7)	WS-183
VAFS (C22)	WS-183

Connectors

EM02	WS-191
EM03	WS-191
EM04	WS-191
EM05	WS-191
MC01	WS-201
MI01	WS-201
MI02	WS-201

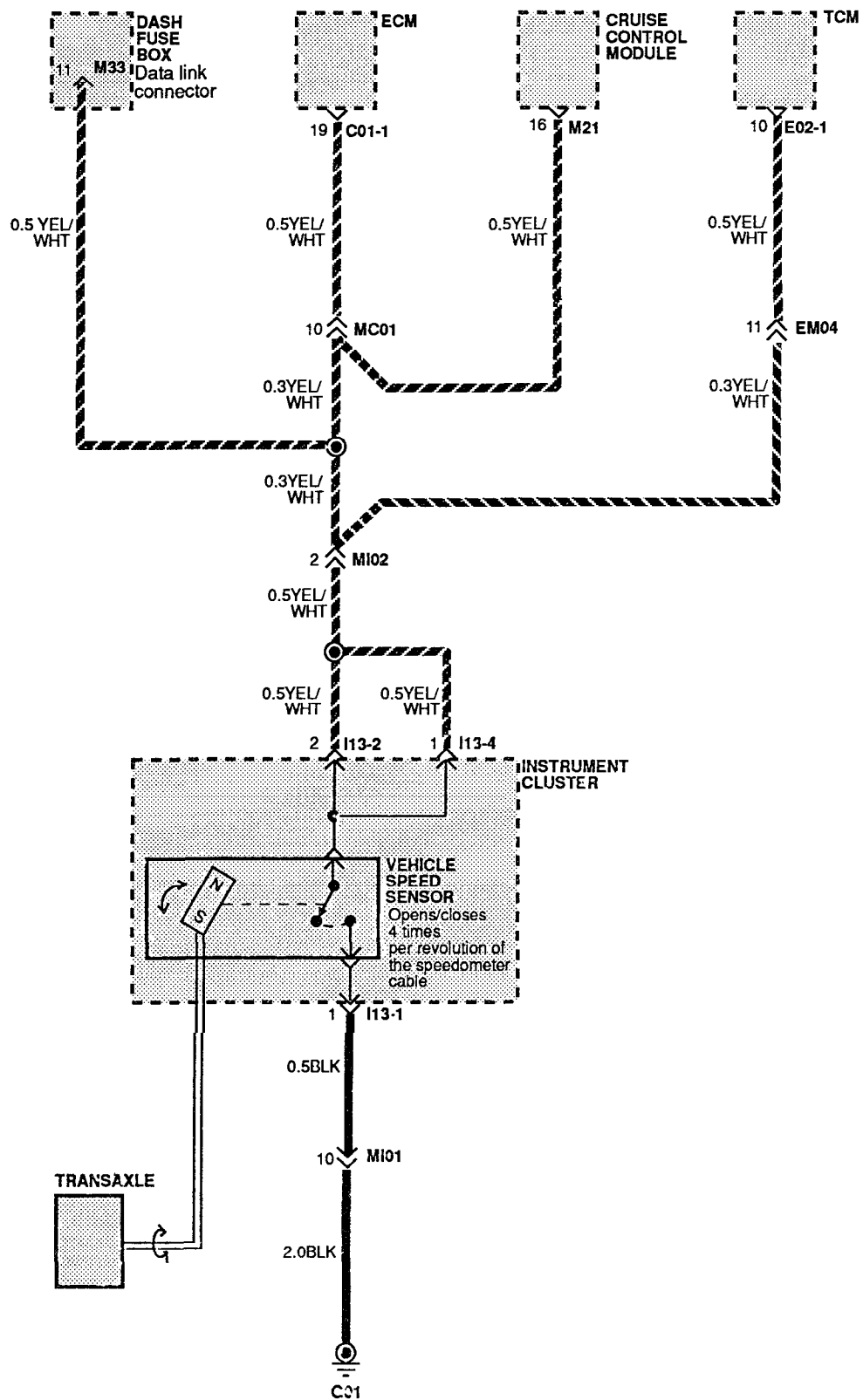
Ground

G01	WS-203
G08	WS-203
G09	WS-204
G11	WS-204

MEMO

VEHICLE SPEED SENSOR

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

A/C switch (I10)	WS-193
Cruise control module (M21)	WS-194
Data link connector (M33)	WS-196
ECM (C01 -1)	WS-182
Instrument cluster (I13-1 ~ I13-4)	WS-193
TCM (E02-2)	WS-188

Connectors

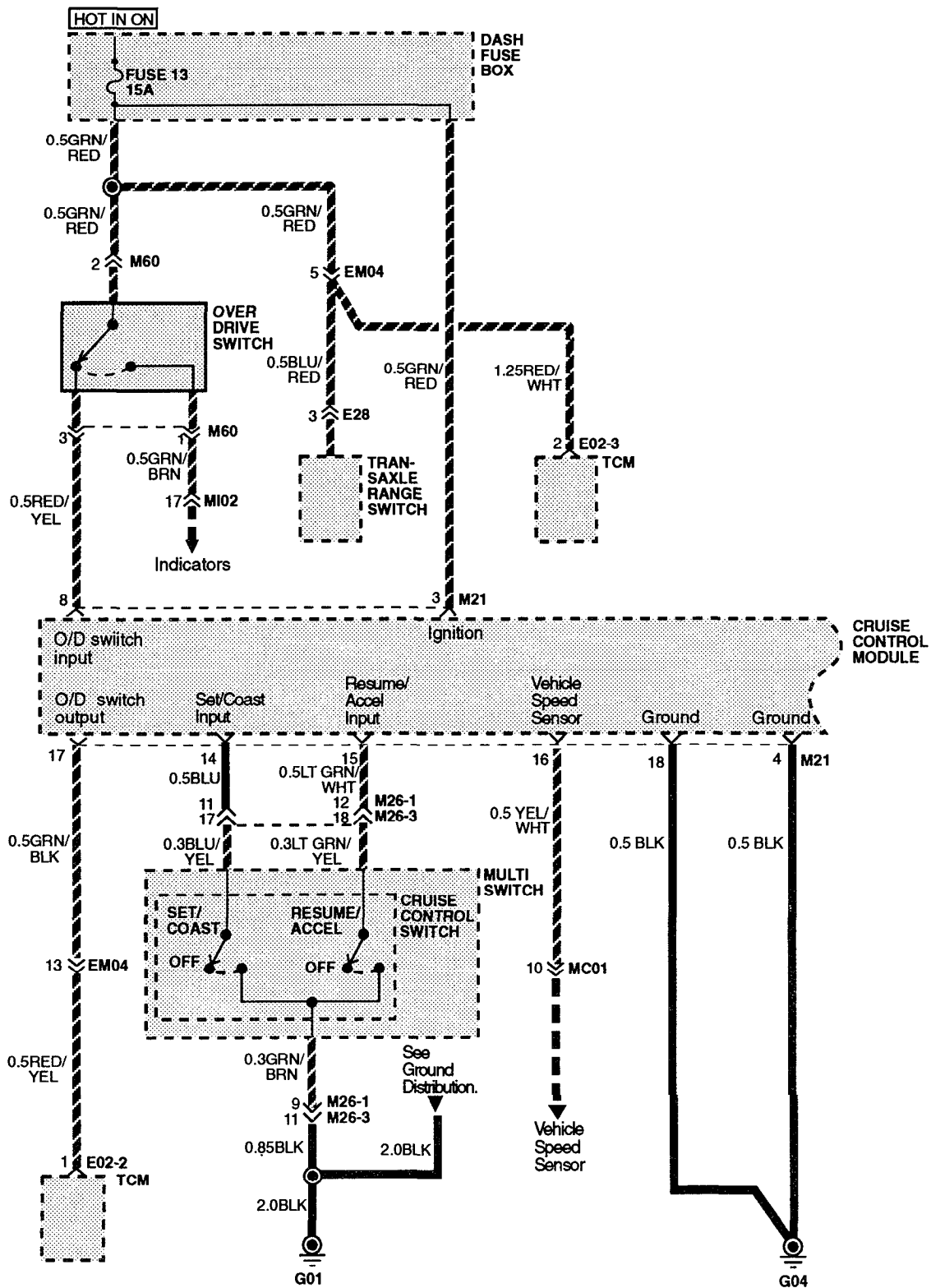
EM04	WS-191
MC01	WS-201
MI01	WS-201
MI02	WS-201

Ground

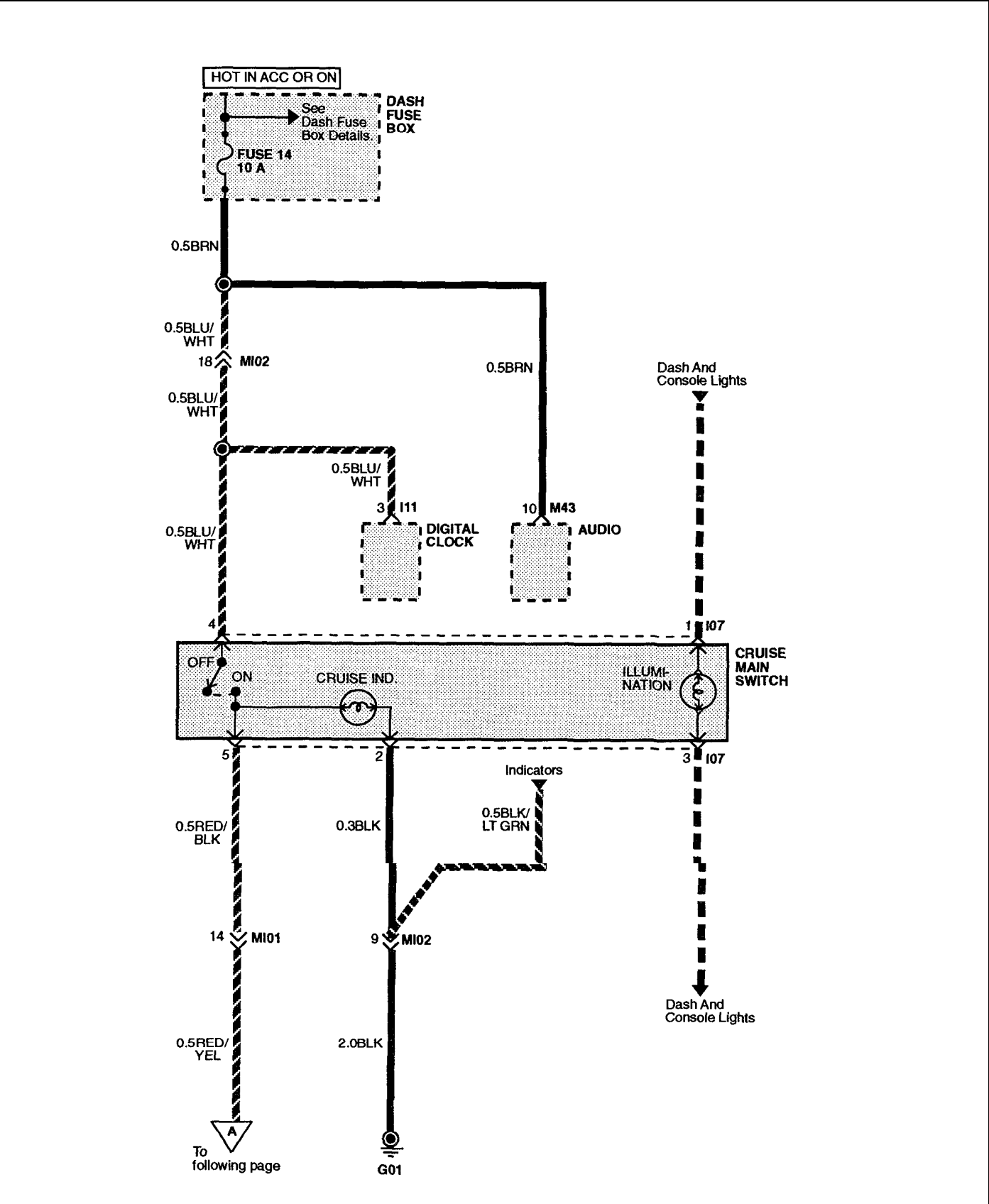
G01	WS-203
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CRUISE CONTROL SYSTEM

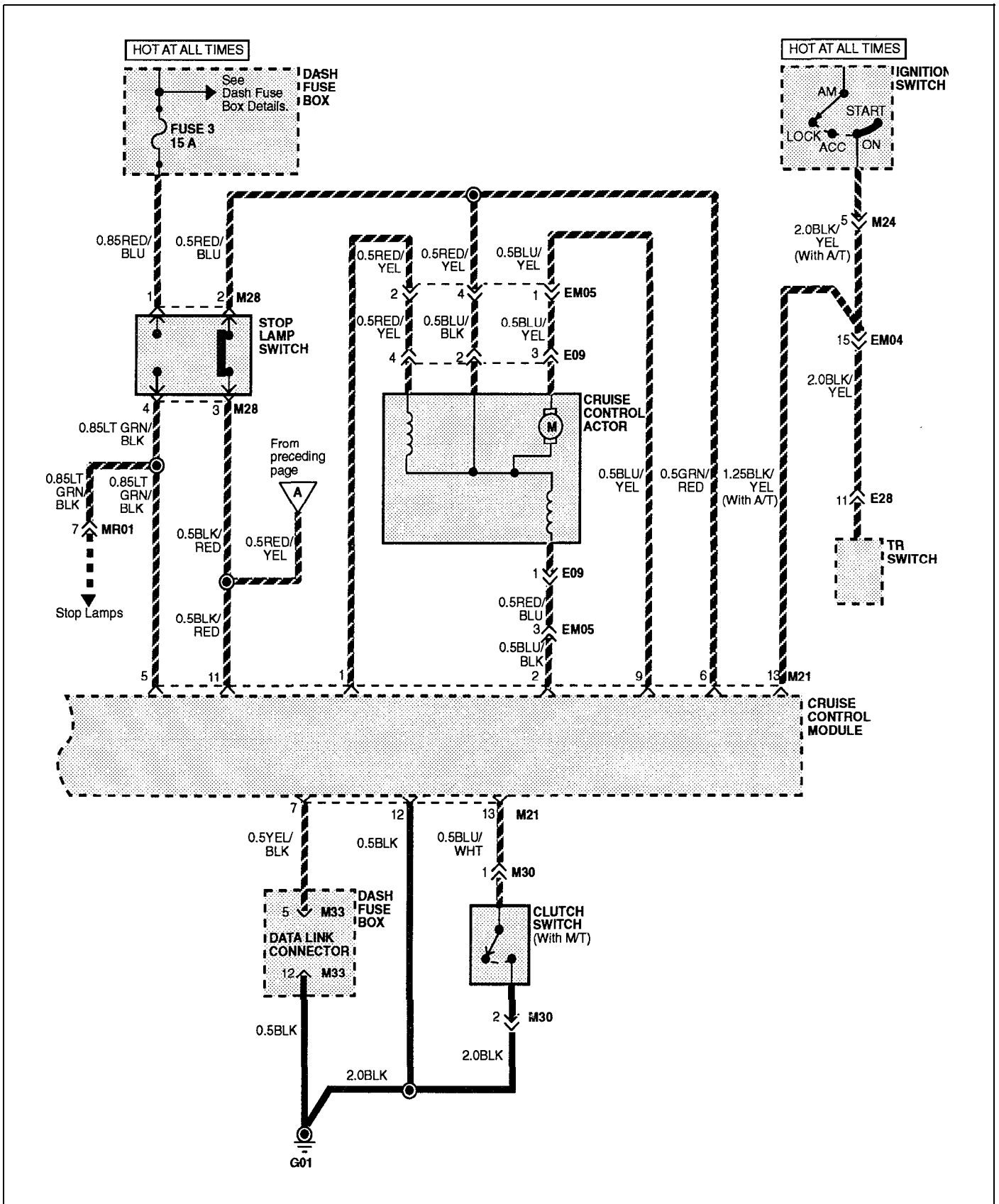
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



COMPONENT LOCATION INDEX

Location reference-page

Components

Audio (M43)	WS-196
Clutch switch (M30)	WS-195
Cruise control actuator (E09)	WS-188
Cruise control module (M21)	WS-194
Cruise main switch (I07)	WS-193
Data link connector (M33)	WS-196
Digital clock (I11)	WS-193
Ignition switch (M24)	WS-195
Multi switch (M26-1/M26-3)	WS-195
Overdrive switch (M60)	WS-198
Stop lamp switch (M28)	WS-195
Transaxle range switch (E28)	WS-189
TCM (E20-2~E20-3)	WS-188

Connectors

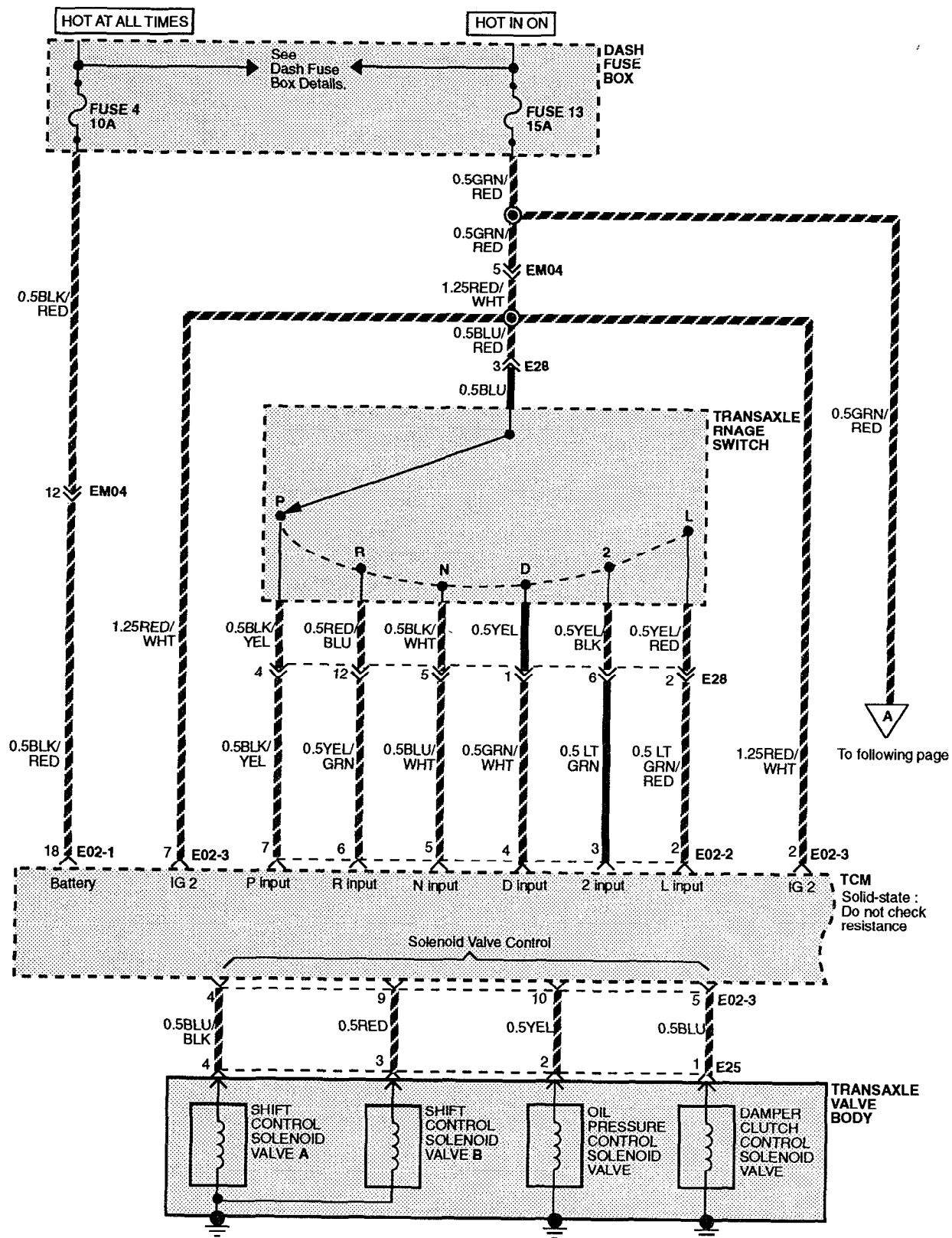
EM04	WS-191
EM05 (NT)	WS-191
MC01	WS-201
MI02	WS-201
MI01	WS-201
MR01	WS-201

Ground

G01	WS-203
G04	WS-203

ELECTRONIC LOCK UP CONTROLS

SCHEMATIC DIAGRAM (1)



[illegible]

[illegible]

COMPONENT LOCATION INDEX

Location reference-page

Components

Accelerator pedal switch (M22)	WS-194
Cruise control module (M21)	WS-194
Data link connector (M33)	WS-196
ECT switch (M41)	WS-196
ECM (CO1 -1)	WS-182
Kick down servo switch (EI 1)	WS-188
Oil Temperature sensor (EI 2)	WS-188
Over drive switch (M60)	WS-188
Pulse generator (EI 3)	WS-188
Transaxle range switch (E28)	WS-189
TCM (E02-1 ~ E02-2)	WS-188
TP sensor (CI 7)	WS-183
Transaxle valve body (E25)	WS-189
Vehicle speed sensor (I13-2)	WS-193

Connectors

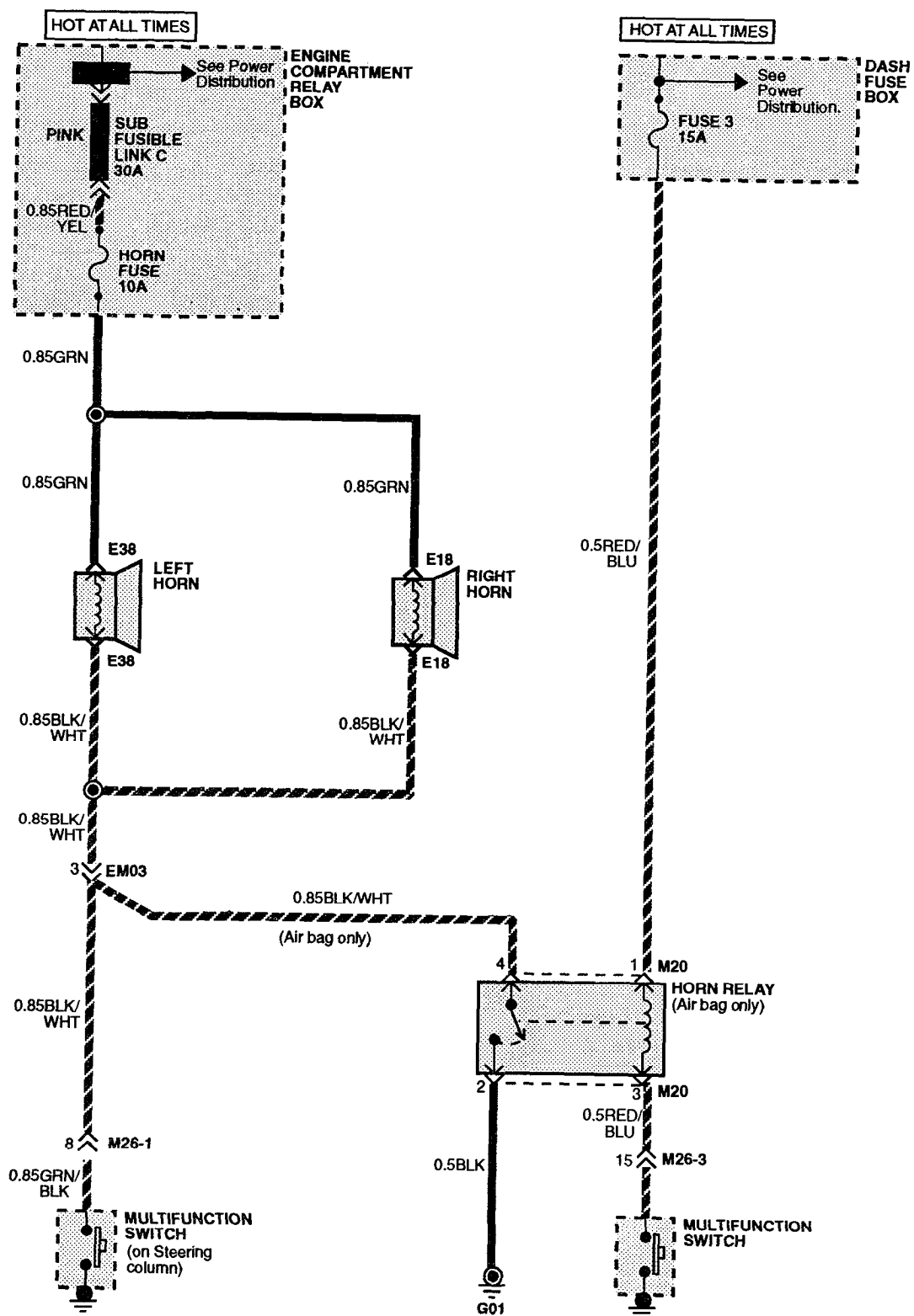
EM04	WS-191
MC01	WS-201
MI02	WS-201

Grounds

G01	WS-203
G06	WS-203

HORNS

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

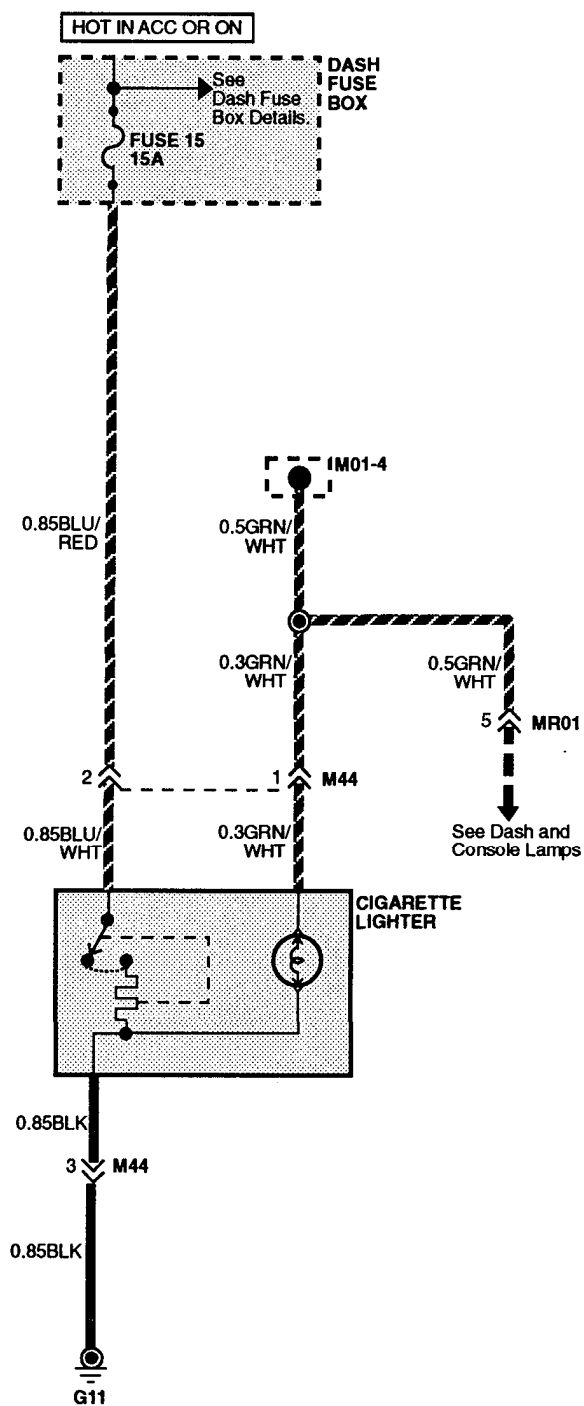
Horn relay (M20)	WS-194
Left horn (E38)	WS-190
Multifunction switch (M26-1/M26-3)	WS-195
Right horn (EI 8)	WS-188

Connector

EM03	WS-191
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CIGARETTE LIGHTER

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Cigarette lighter (M44)

WS-197

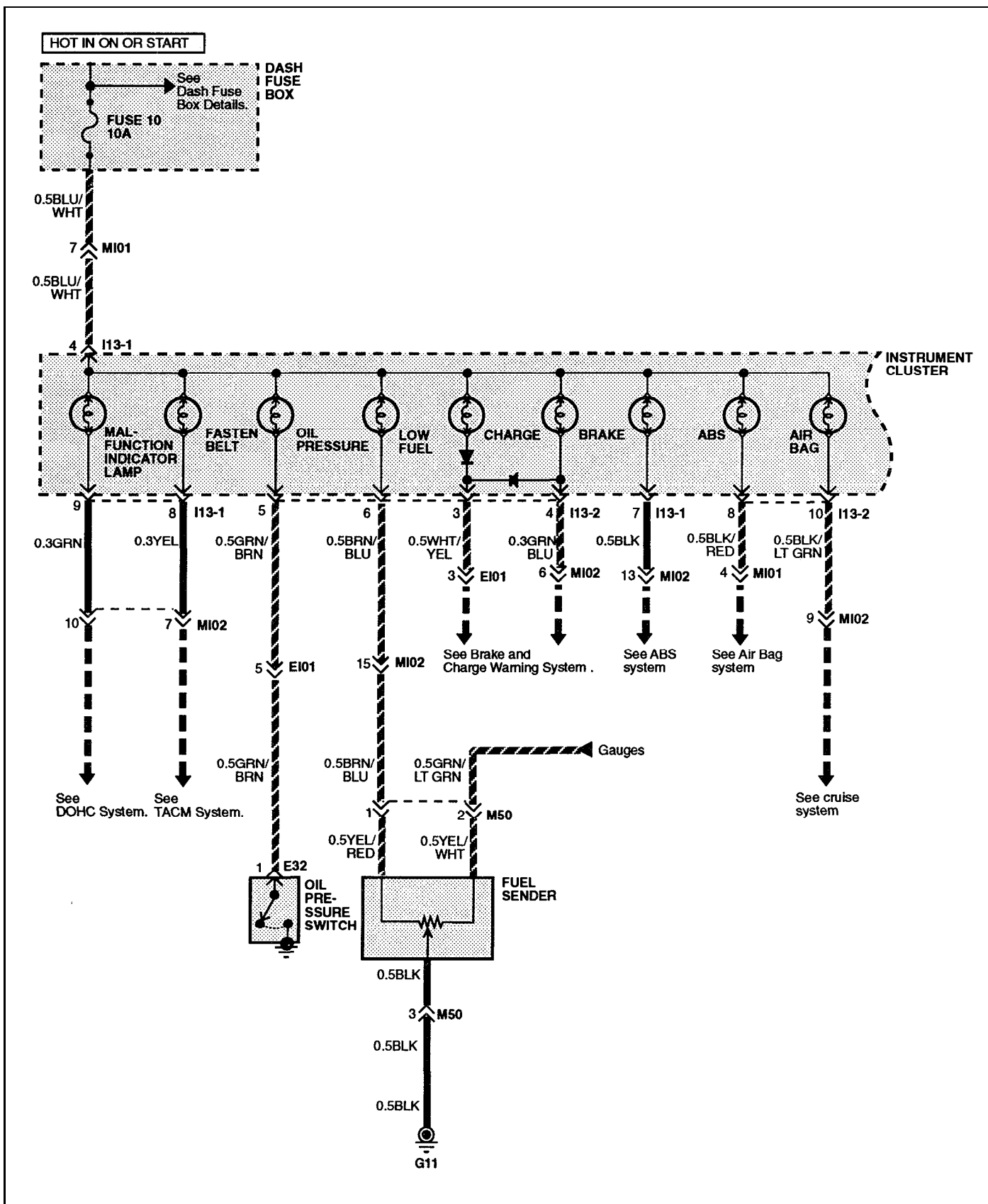
Ground

G11

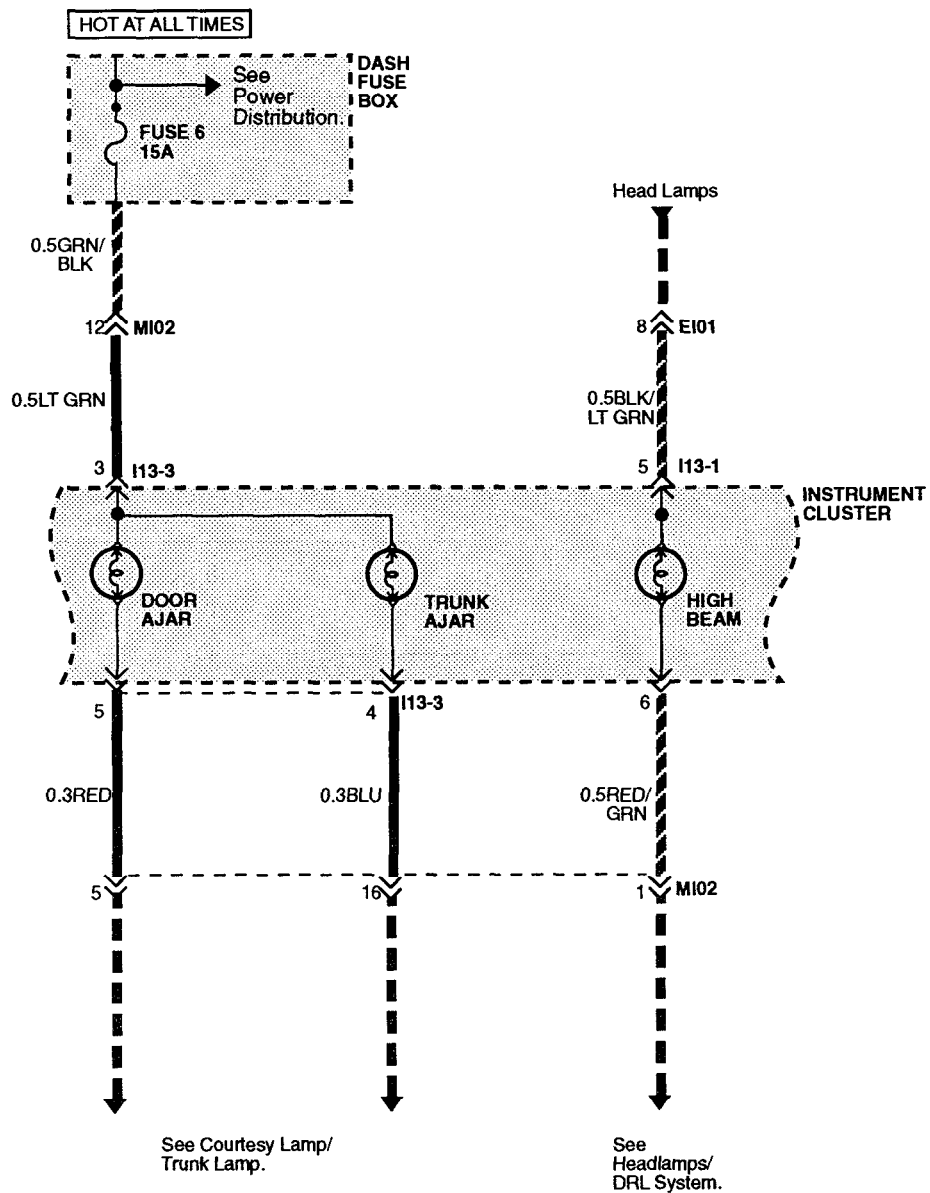
WS-204

INDICATORS

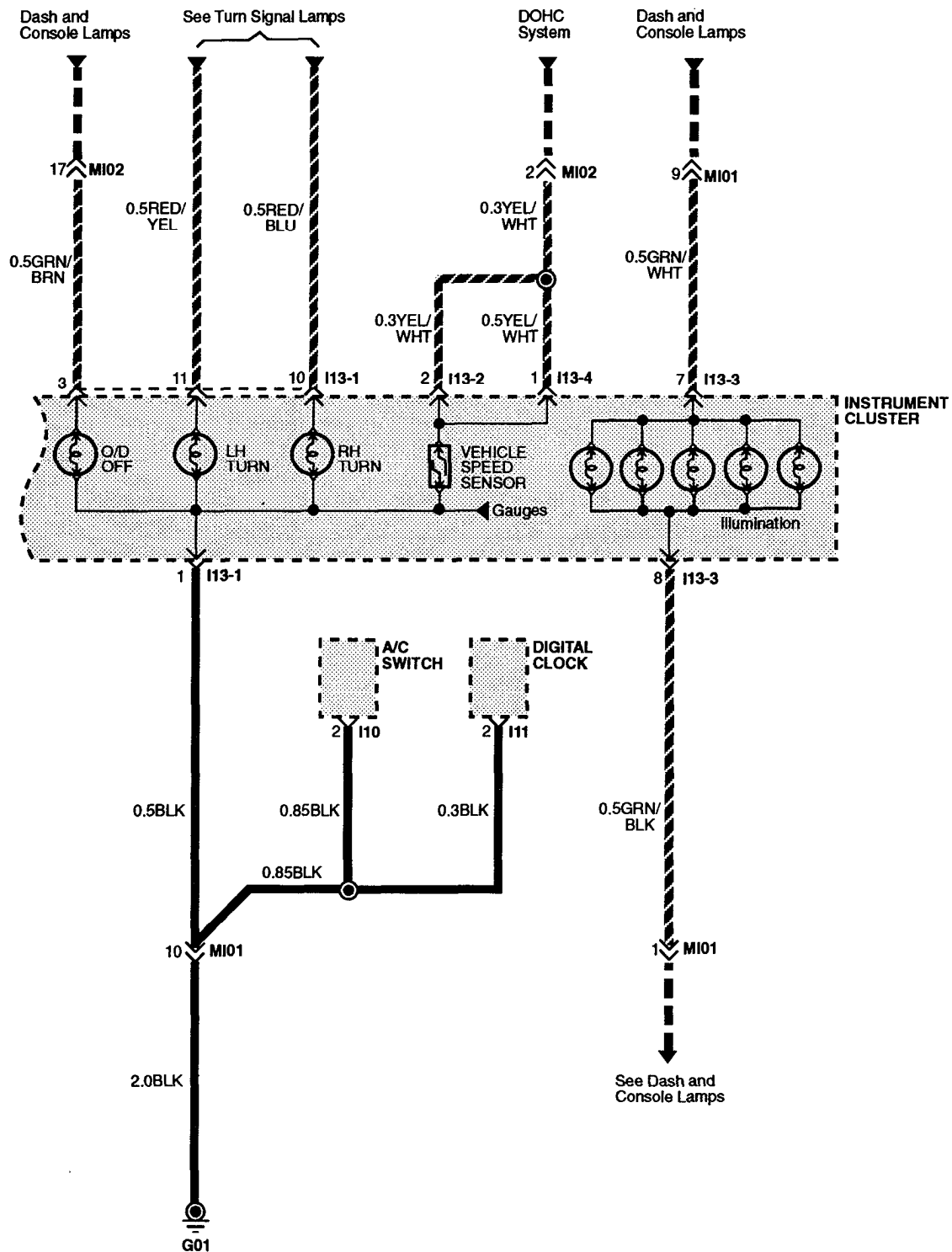
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



COMPONENT LOCATION INDEX

Location reference-page

Components

A/C switch (I10)	WS-193
Digital clock (I11)	WS-193
Fuel sender (M50)	WS-197
Instrument cluster (I13-1 ~ I13-4)	WS-193
Oil pressure switch (E32)	WS-195
Rheostat (I01)	WS-193
TACM (M38)	WS-196

Connectors

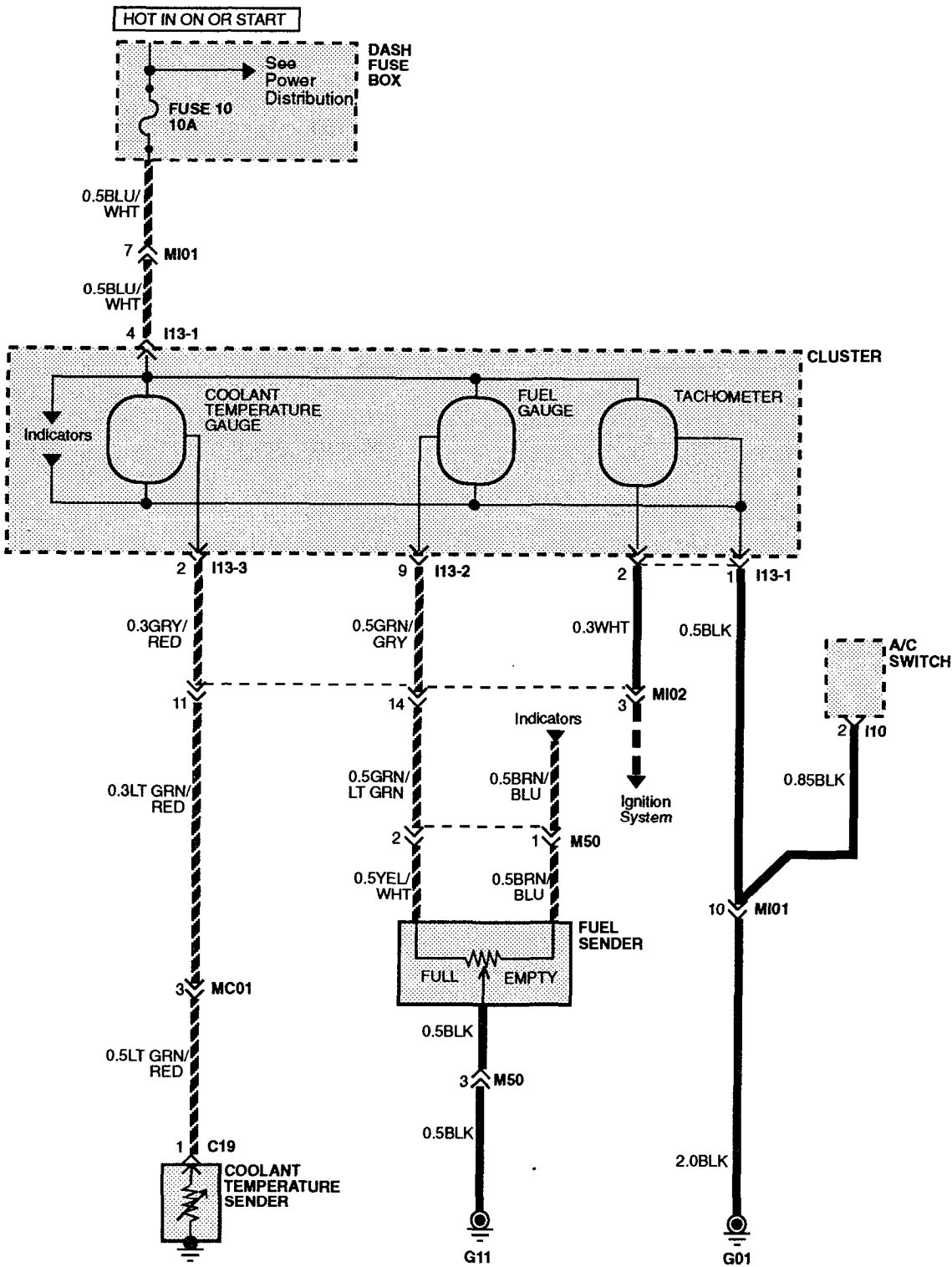
EI01	WS-192
MC01	WS-201
MI01	WS-201
MI02	WS-201

Ground

G01	WS-203
G11	WS-204

GAUGES

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

A/C switch (I10)	WS-193
Cluster (I13-1)	WS-193
Coolant temperature sender (CI 9)	WS-183
Fuel sender (M50)	WS-197

Connectors

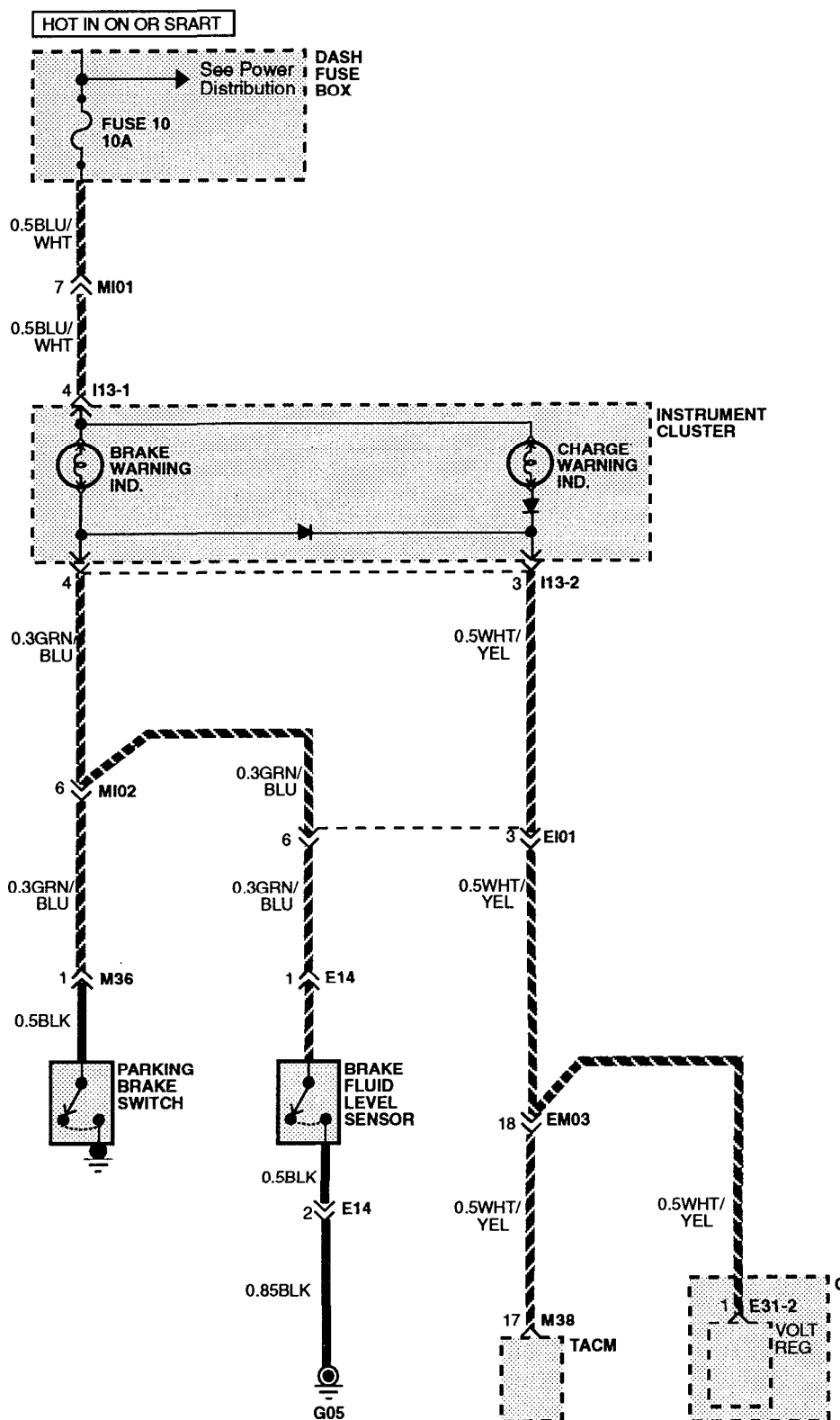
MC01	WS-201
MI02	WS-201
MI01	WS-201

Grounds

G01	WS-203
G11	WS-204

BRAKE AND CHARGE WARNING SYSTEM

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Generator (E31-2)	WS-189
Brake fluid level sensor (E14)	WS-188
Instrument cluster (I13-2)	WS-193
Parking brake switch (M36)	WS-196
TACM unit (M38)	WS-196
Relay with diode (C07)	WS-182

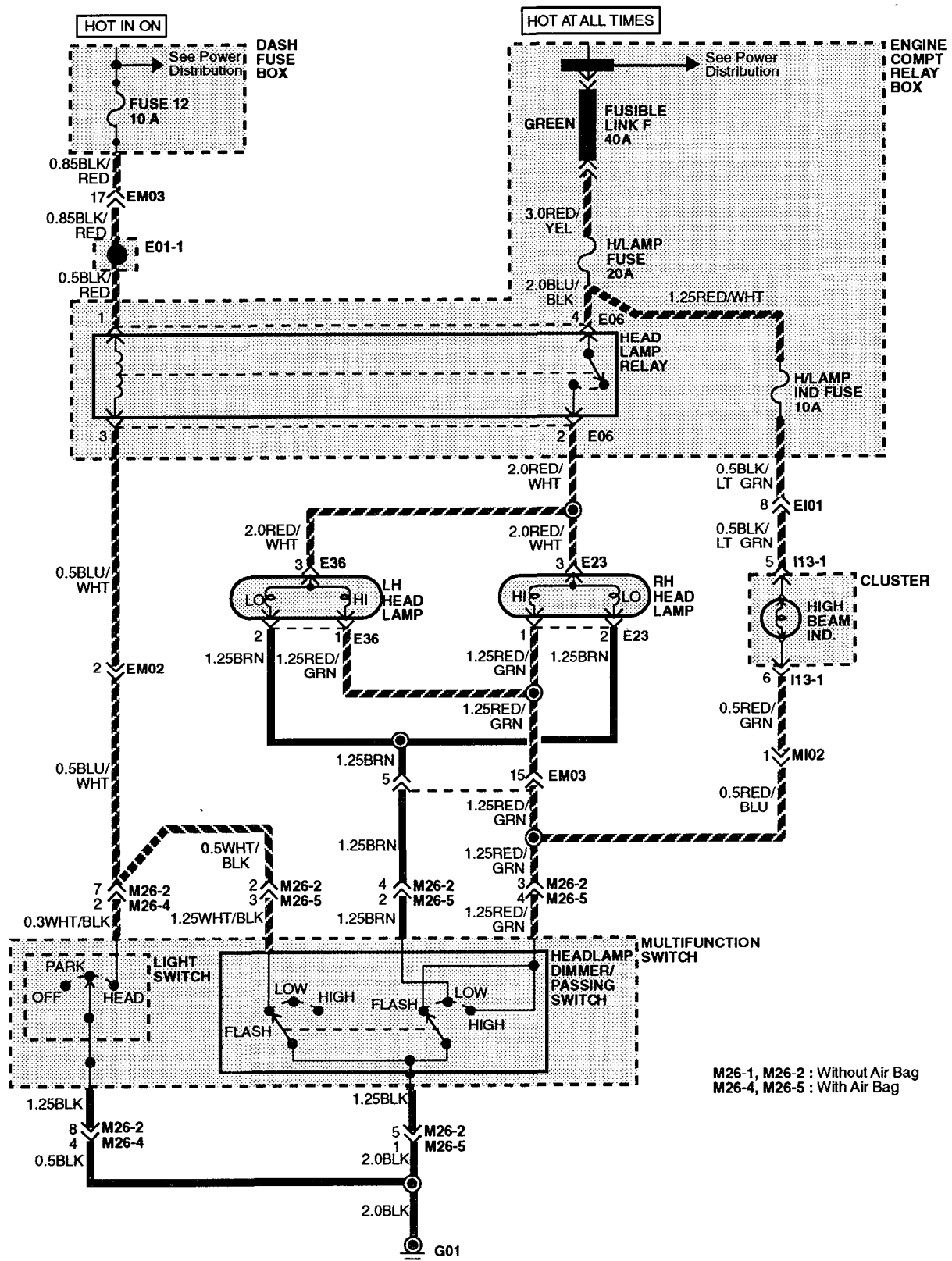
Connectors

EI01	WS-192
EM03	WS-191
MI01/MI02	WS-201

Ground

G05	WS-203
-----	--------

SCHEMATIC DIAGRAM



M26-1, M26-2 : Without Air Bag
M26-4, M26-5 : With Air Bag

COMPONENT LOCATION INDEX

Location reference-page

Components

Cluster (I13-1)	WS-193
Head lamp relay (E06)	WS-188
LH head lamp (E36)	WS-190
Multifunction switch (M26-2)	WS-195
RH head lamp (E23)	WS-188

Connectors

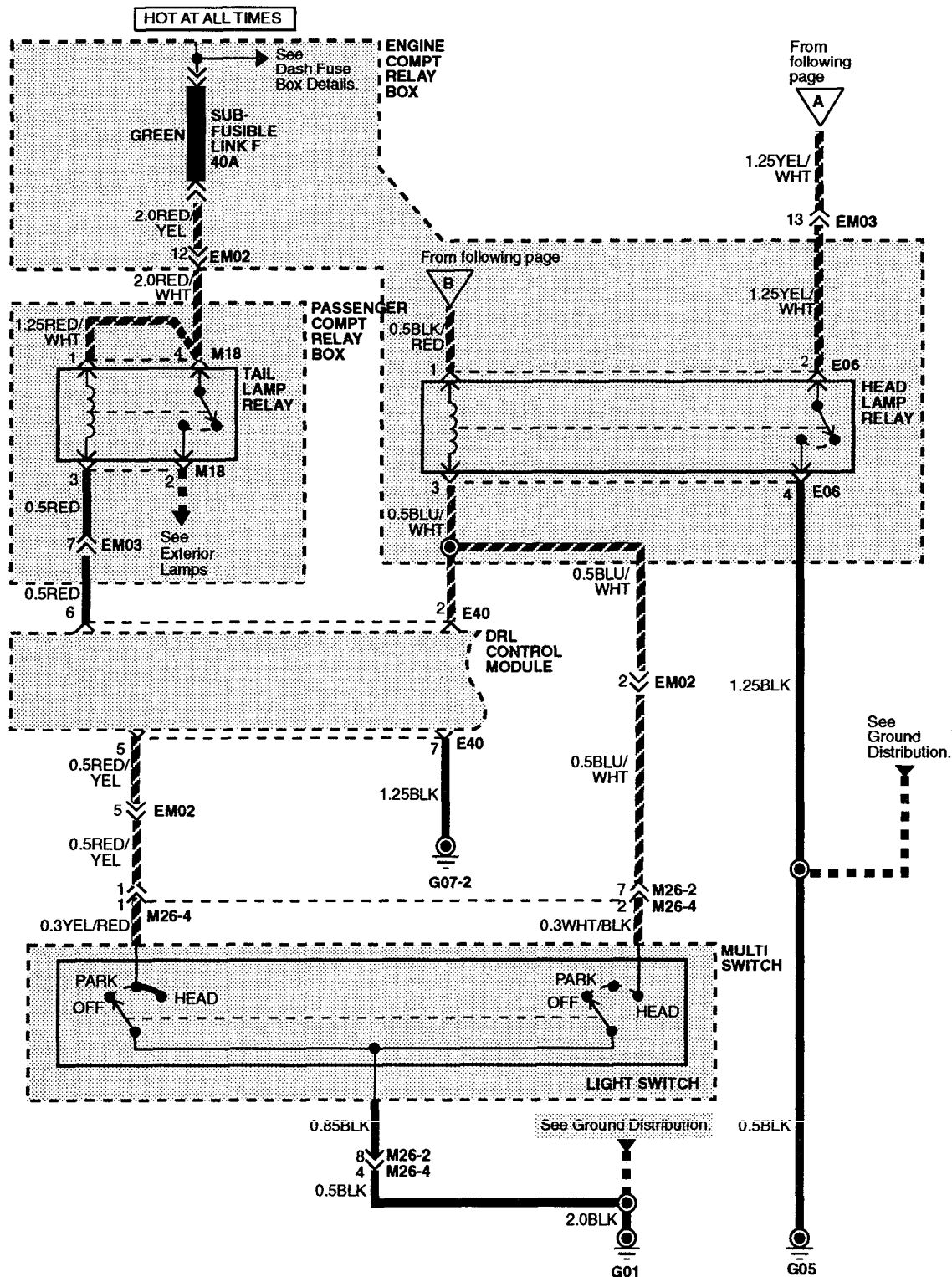
EI01	WS-192
EM02	WS-191
EM03	WS-191
MI02	WS-201

Ground

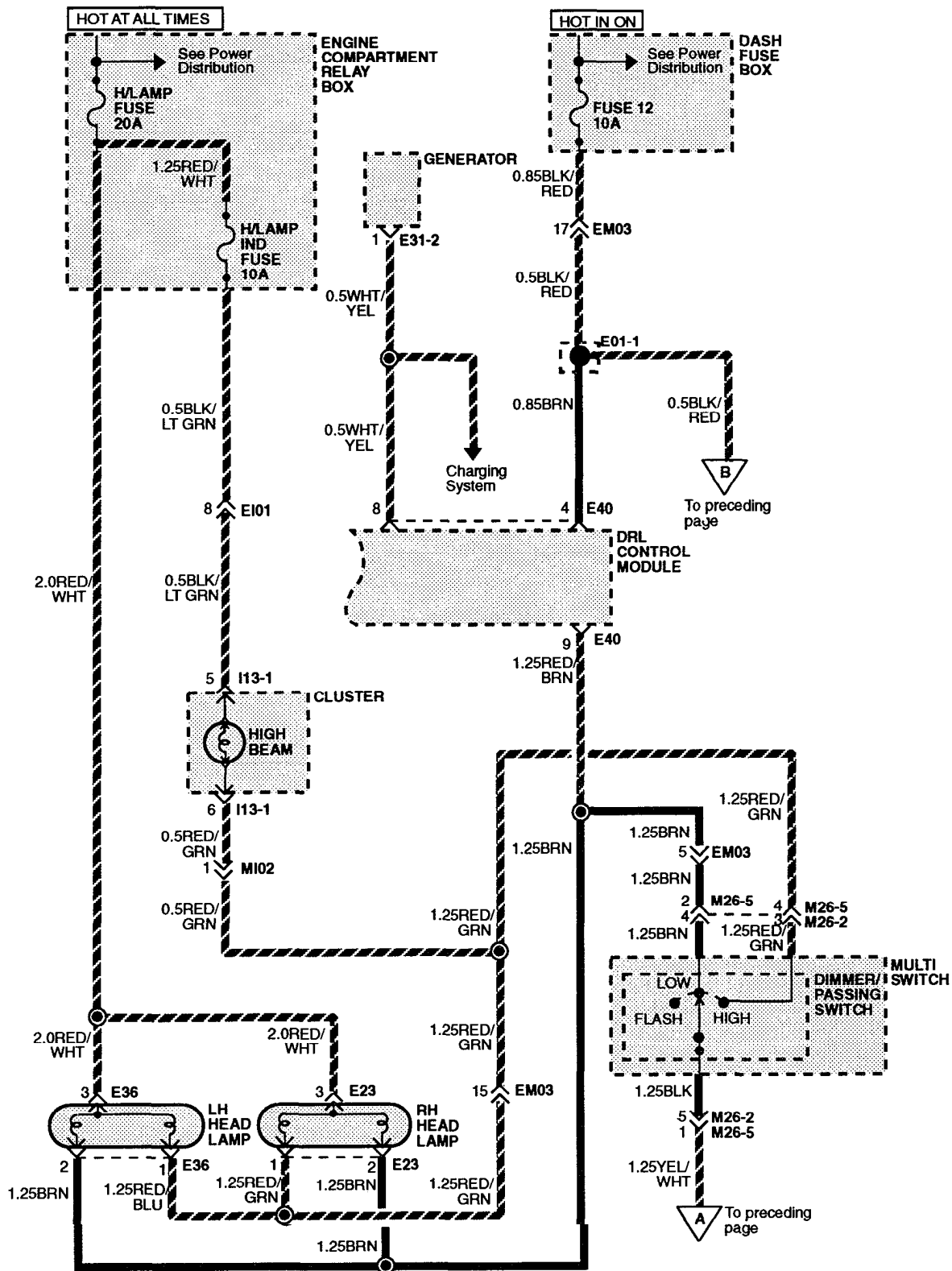
G01	WS-203
-----	--------

DAYTIME RUNNING LIGHTS (DRL)

SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



COMPONENT LOCATION INDEX

Location reference-page

Components

Generator (E31-2)	WS-189
Brake fluid level sensor (E14)	WS-188
CON D. fan motor (E29)	WS-189
COND. fan relay (E05)	WS-188
DRL module (E40)	WS-190
Instrument cluster (I13-2)	WS-193
LH head lamp (E36)	WS-190
Multi switch (M26-2)	WS-195
RH head lamp (E22)	WS-188
Tail lamp relay (M18)	WS-194

Connectors

EI01	WS-192
EM02/EM03	WS-191
MI02	WS-201

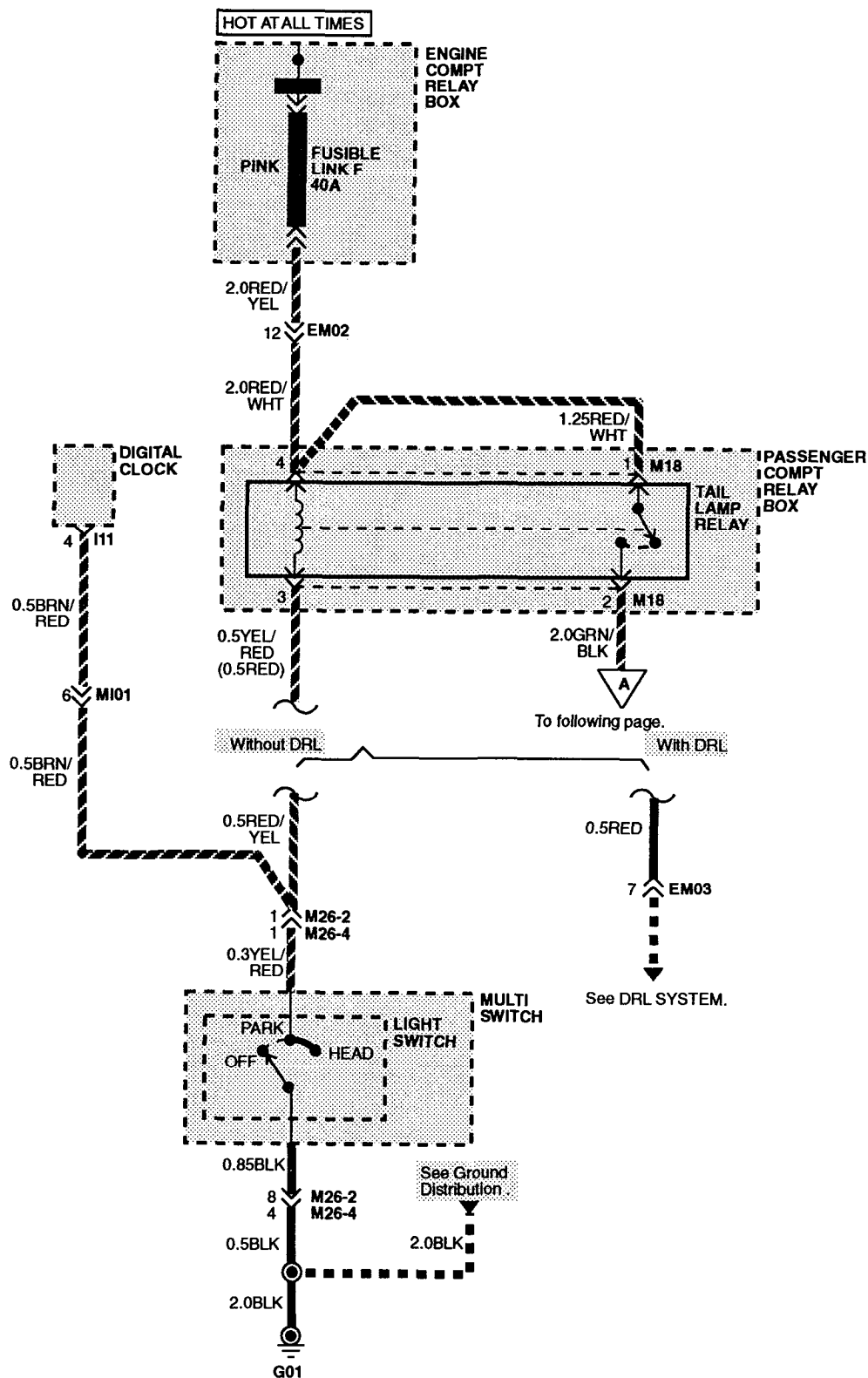
Ground

G01/G05/G07	WS-203
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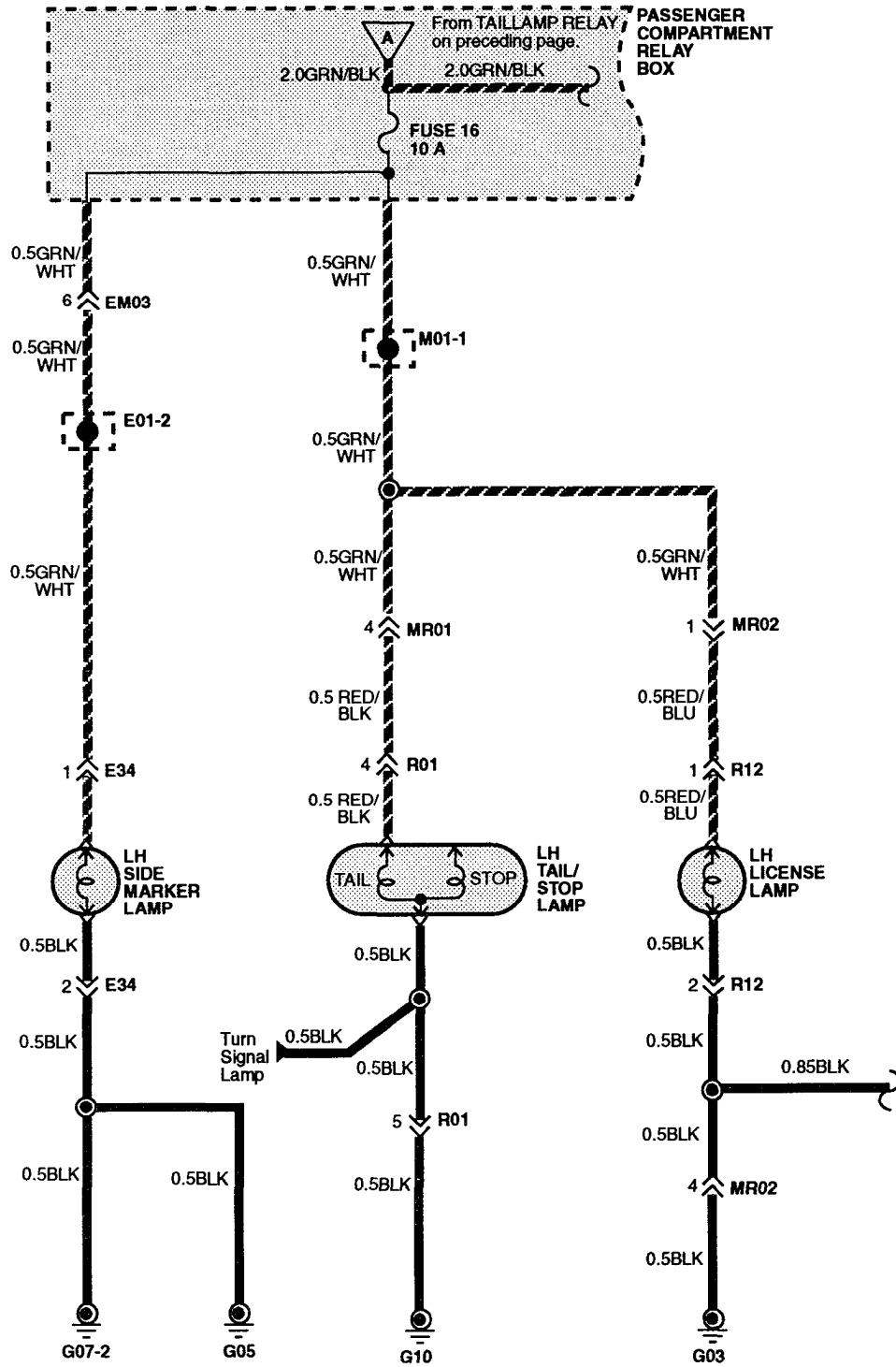
MEMO

EXTERIOR LAMPS

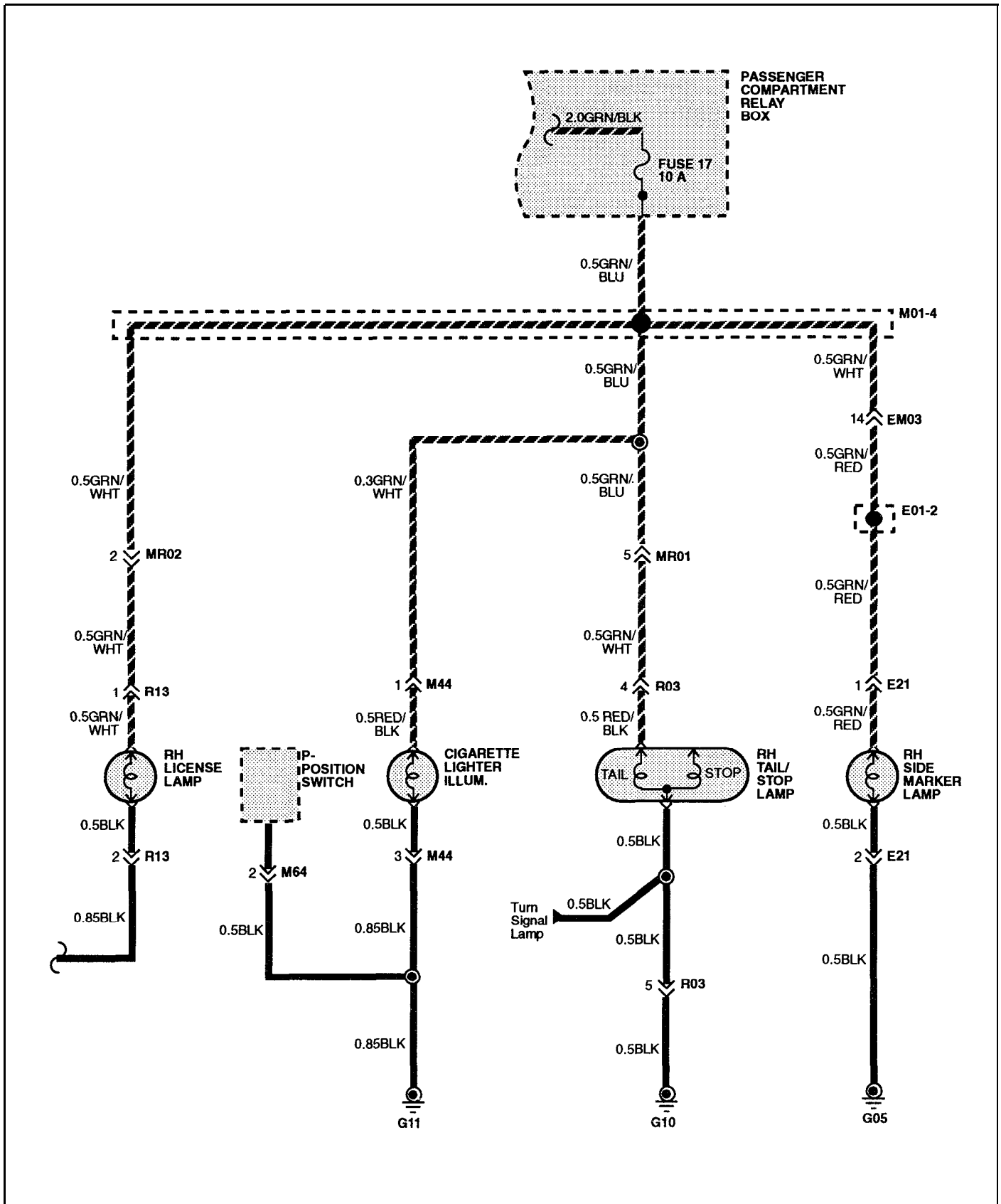
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



COMPONENT LOCATION INDEX

Location reference-page

Components

Tail lamp relay (M18)	WS-194
Multi switch (M26-2)	WS-195
Digital clock (I11)	WS-193
LH side marker lamp (E34)	WS-190
LH tail/stop lamp (R01)	WS-202
LH license lamp (R12)	WS-202
Trunk lid opener (R15)	WS-202
RH license lamp (R13)	WS-202
Fuel pump (M49)	WS-197
Cigarette lighter illum. (M44)	WS-197
RH tail/stop lamp (R03)	WS-202
RH side marker lamp (E21)	WS-188

Connectors

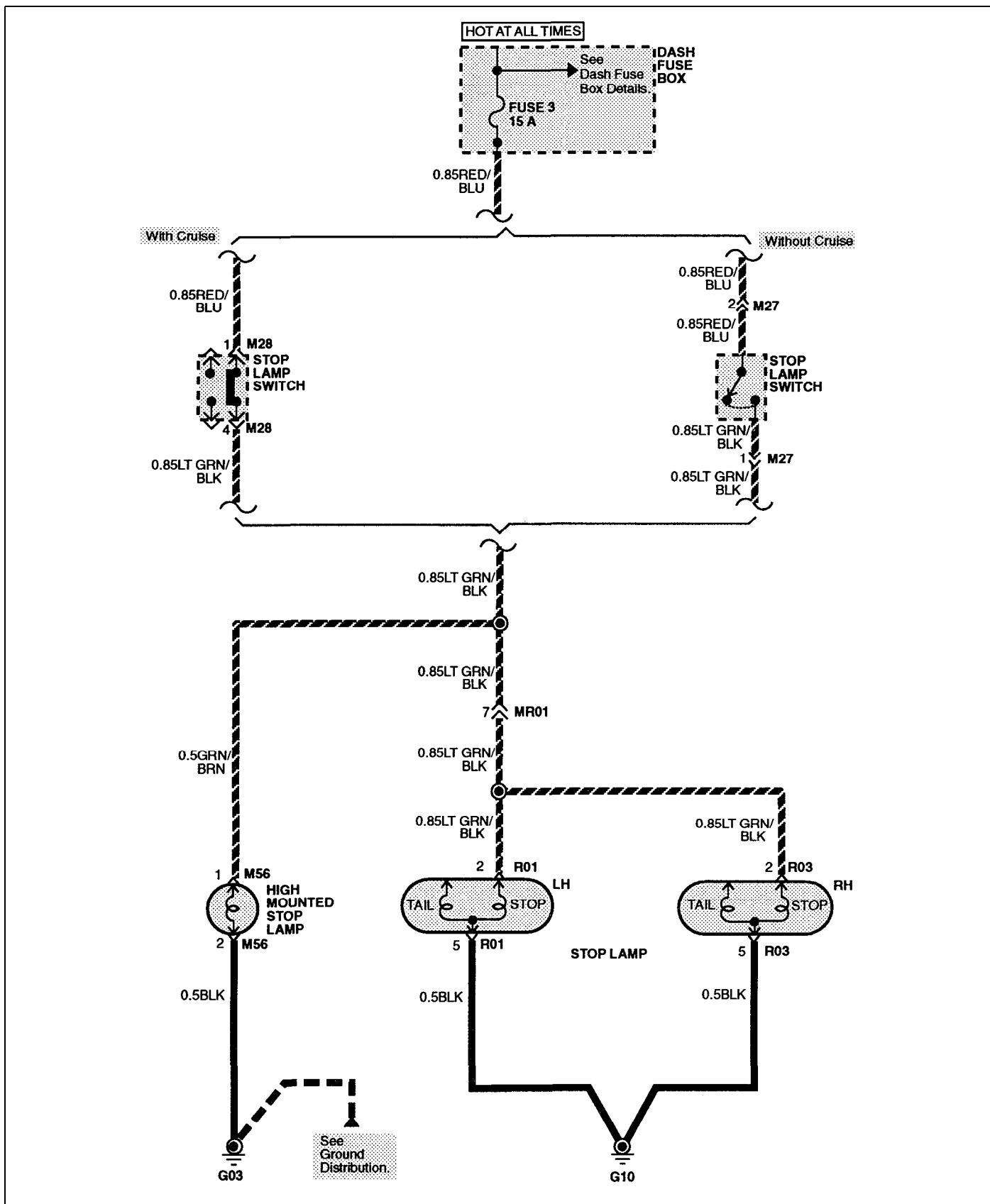
EM02/EM03	WS-191
MI01/MR01/MR02	WS-201

Ground

G01/G03	WS-203
G10/G11	WS-204

STOP LAMPS

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

High mounted stop lamp (M56)	WS-198
LH stop lamp (R01)	WS-202
RH stop lamp (R03)	WS-202
Stop lamp switch (M28)	WS-195
Stop lamp switch (M27)	WS-195

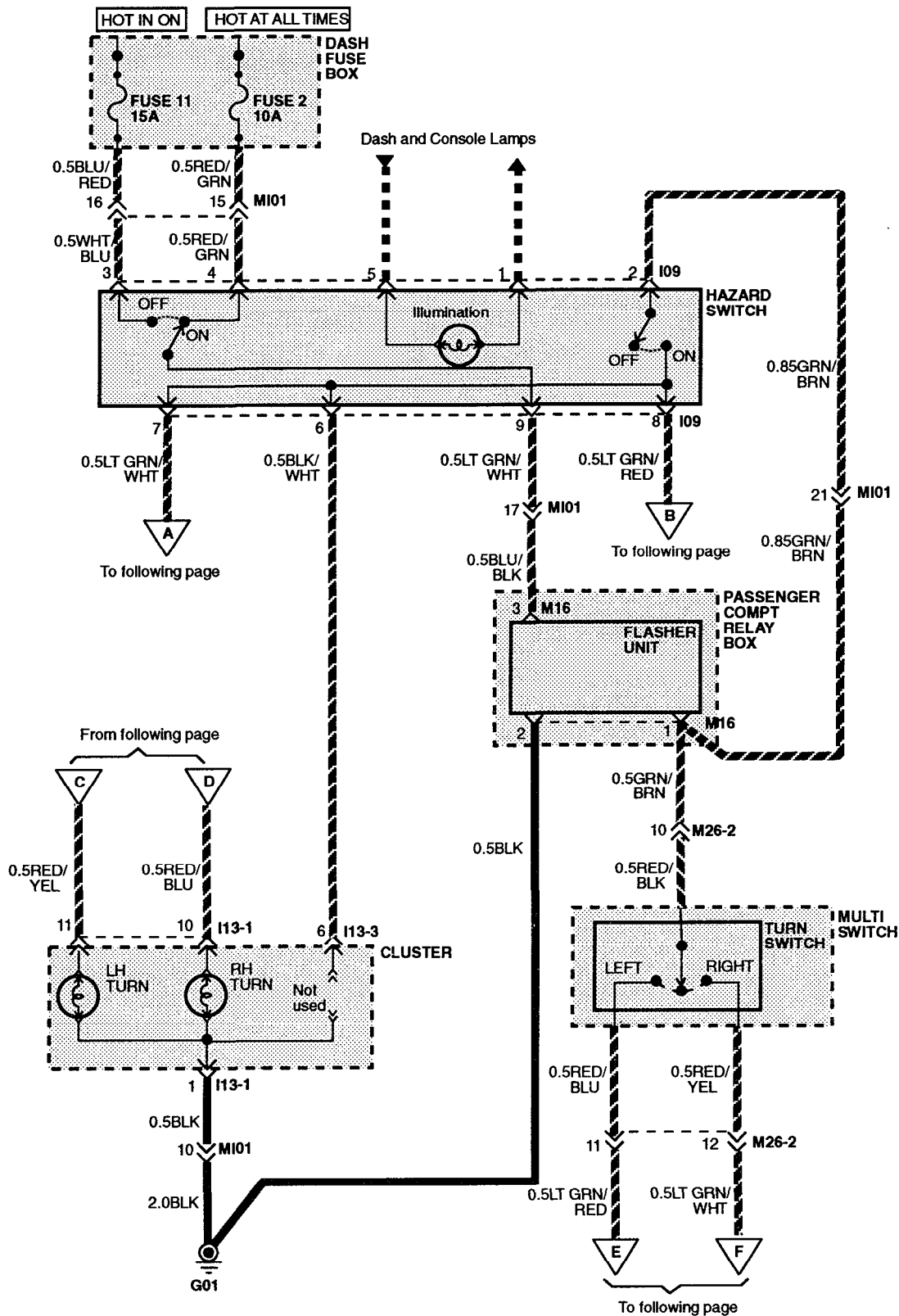
Connector

MR01	WS-201
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Grounds

G03	WS-203
G10	WS-204

SCHEMATIC DIAGRAM (1)



From preceding page

Diagram illustrating the wiring for the instrument cluster, showing connections from the preceding page to terminals E, B, A, and F.

Terminal E (Left Side):

- 0.5LT GRN/RED (Top)
- 0.5LT GRN/RED (Bottom)
- 0.5GRN/YEL (EM02)
- 0.5GRN/YEL (E33)
- 0.5BLK (E33)
- 0.5BLK (Bottom)

Terminal B (Left Side):

- 0.5LT GRN/RED (Top)
- 0.5LT GRN/RED (Bottom)
- 0.5RED/YEL (MR01)
- 0.5RED/YEL (R01)
- 0.5BLK (R01)
- 0.5BLK (Bottom)

Terminal A (Right Side):

- 0.5LT GRN/WHT (Top)
- 0.5LT GRN/WHT (Bottom)
- 0.5RED/BLU (MR01)
- 0.5RED/BLU (R03)
- 0.5BLK (R03)
- 0.5BLK (Bottom)

Terminal F (Right Side):

- 0.5LT GRN/WHT (Top)
- 0.5LT GRN/WHT (Bottom)
- 0.5RED/BLU (MR01)
- 0.5RED/BLU (R03)
- 0.5BLK (R03)
- 0.5BLK (Bottom)

Other Components and Connections:

- MI01:** Instrument cluster relay, connected to terminals C and D.
- MI01-3:** Instrument cluster relay, connected to terminals E and B.
- MI01-2:** Instrument cluster relay, connected to terminals A and F.
- EM02:** Emergency flasher relay, connected to terminals E and B.
- E33:** Emergency flasher switch, connected to terminals E and B.
- E20:** Emergency flasher switch, connected to terminals A and F.
- R01:** Rear turn signal relay, connected to terminals B and A.
- R03:** Rear turn signal relay, connected to terminals A and F.
- G07, G10, G05:** Ground points for the instrument cluster.

COMPONENT LOCATION INDEX

Location reference-page

Components

Cluster (I13-1, I13-2)	WS-193
Flasher unit (M16)	WS-194
Hazard switch (109)	WS-193
LH front turn (E33)	WS-190
LH rear turn (R01)	WS-202
Multi switch (M26-2)	WS-195
RH front turn (E20)	WS-188
RH rear turn (R03)	WS-202

Connectors

EM02	WS-191
MI01	WS-201
MR01	WS-201

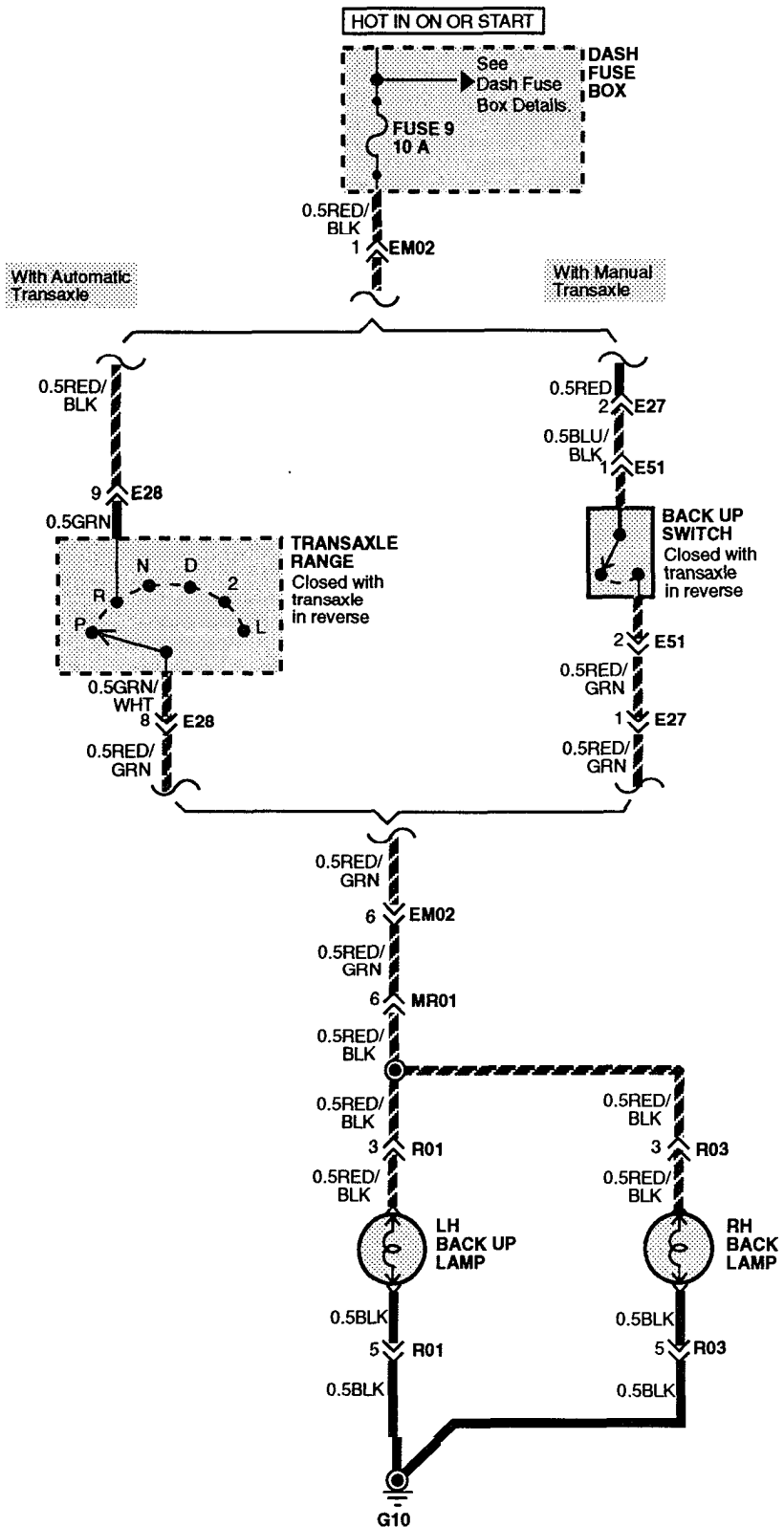
Ground

G01/G05	WS-203
G10	WS-204

MEMO

BACK UP LAMPS

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Transaxle range switch (E28)

WS-189

LH back up lamp (R01)

WS-202

RH back up lamp (R03)

WS-202

Connectors

EM02

WS-191

MR01

WS-201

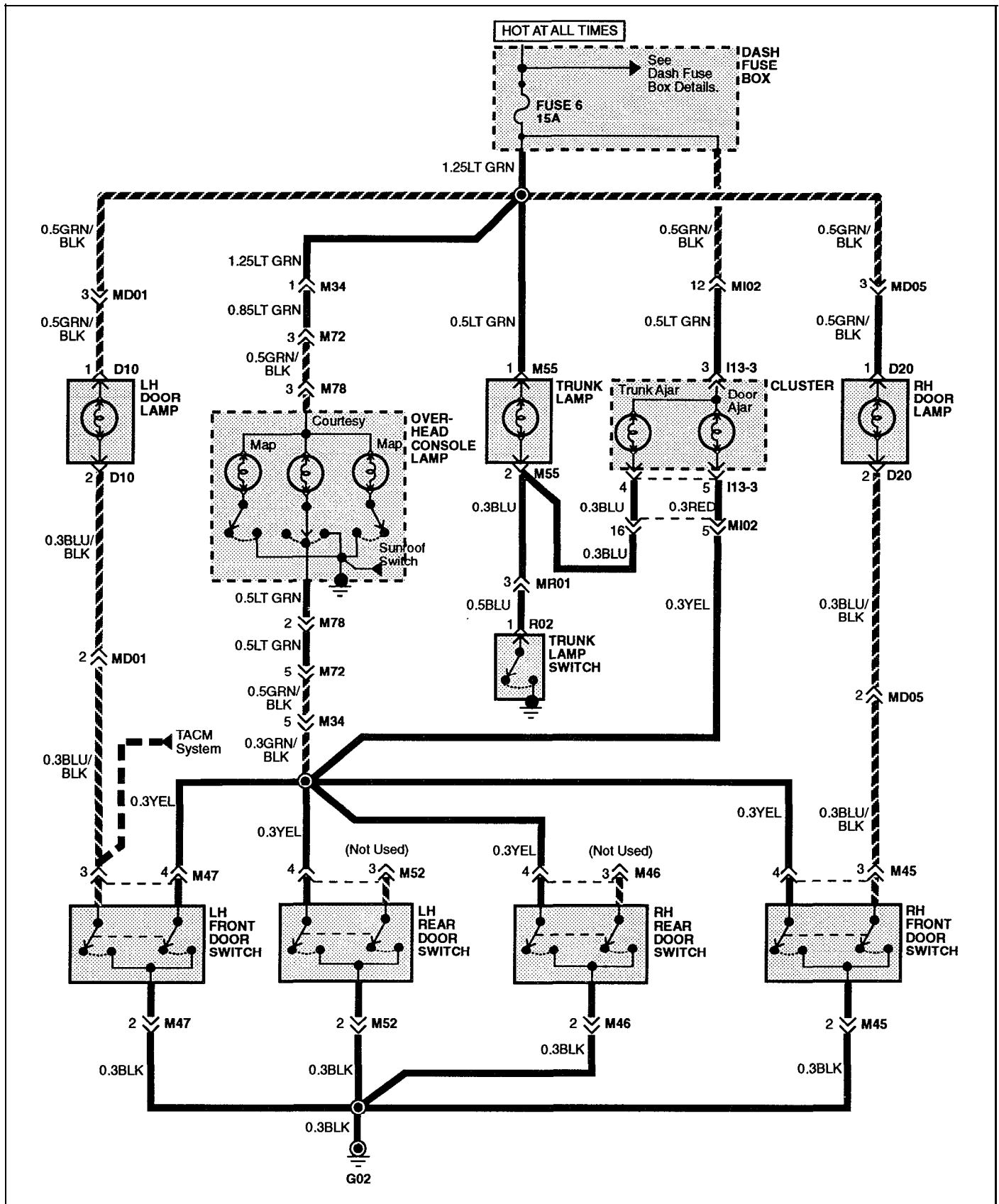
Ground

G10

WS-204

COURTESY LAMPS

SCHEMATIC DIAGRAM (1)-With Sunroof



The diagram illustrates the wiring for the exterior lighting and door switches of a 1977-1978 Chevrolet Malibu. Key components and their connections include:

- Power Source:** A "HOT AT ALL TIMES" line from the DASH FUSE BOX (FUSE 6, 15A) provides power to the system.
- Door Lamps:** LH DOOR LAMP (D10) and RH DOOR LAMP (D20) are connected to the power source via 0.5GRN/BLK wires.
- Door Switches:** LH FRONT DOOR SWITCH (M47), LH REAR DOOR SWITCH (M52), RH REAR DOOR SWITCH (M46), and RH FRONT DOOR SWITCH (M45) are connected to the door lamps and the power source.
- Interior Lamps:** MAP LAMP, COURTESY LAMP, and TRUNK LAMP are connected to the power source via 0.5LT GRN and 0.85LT GRN wires.
- Trunk Lamp Switch:** The TRUNK LAMP SWITCH (R02) is connected to the TRUNK LAMP (M55) and the power source.
- Wiring Details:** The diagram shows various wire colors (e.g., 0.5GRN/BLK, 0.5LT GRN, 0.85LT GRN, 0.3BLU, 0.3YEL, 0.3GRN/BLK) and terminal numbers (e.g., 1, 2, 3, 4, 5, 12, 16) for each component.
- Grounding:** Ground points G01 and G02 are indicated for the system.

COMPONENT LOCATION INDEX

Location reference-page

Components

Cluster (I13-3)	WS-193
Courtesy lamp (M73)	WS-199
LH door lamp (D10)	WS-186
LH front door switch (M47)	WS-197
LH rear door switch (M52)	WS-197
Map lamp (M71)	WS-199
Overhead console lamp (M78)	WS-199
RH door lamp (D20)	WS-187
RH front door switch (M45)	WS-197
RH rear door switch (M46)	WS-197
Trunk lamp (M55)	WS-198
Trunk lamp switch (R02)	WS-202

Connectors

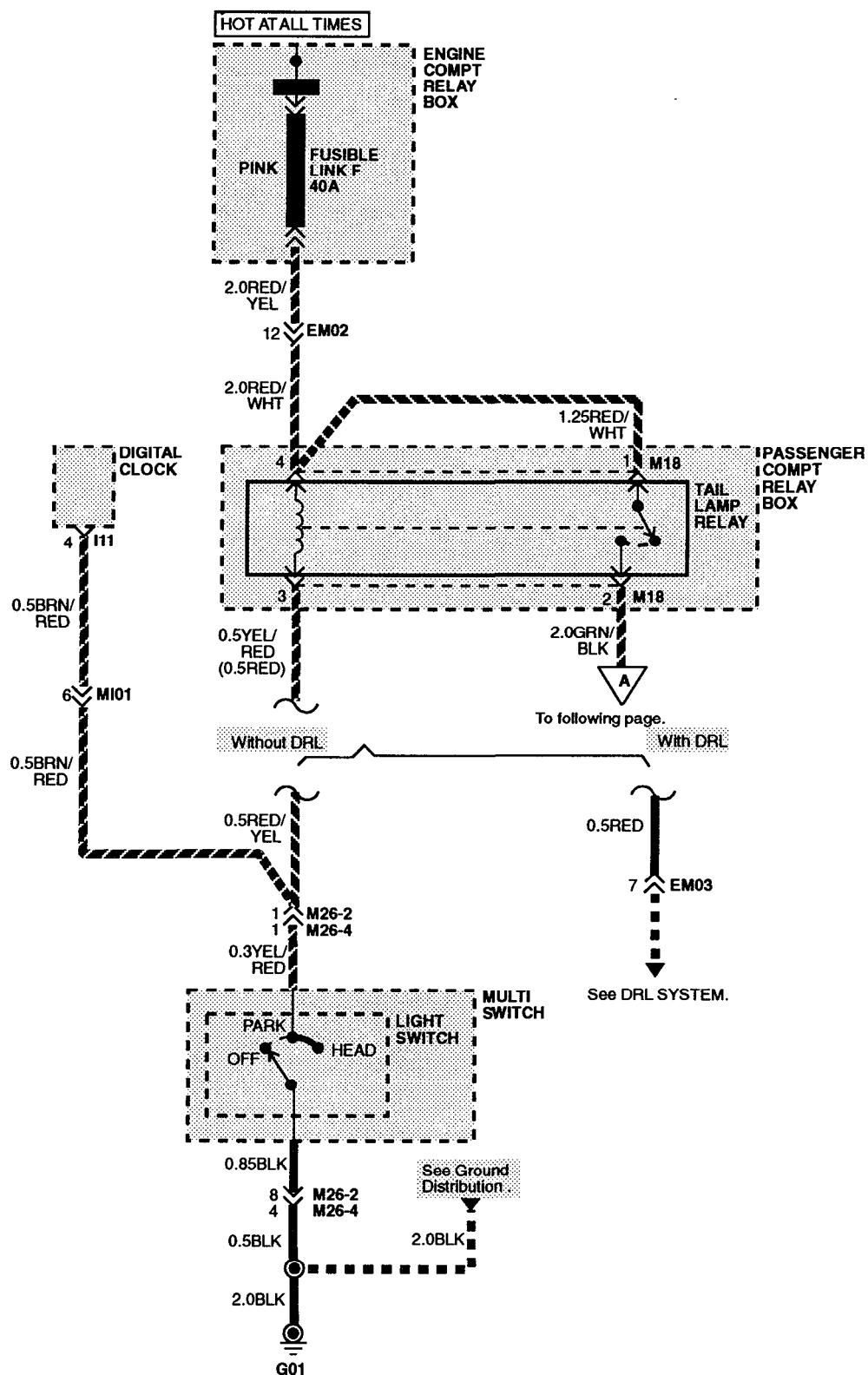
MD01/MD05	WS-201
MI02/MR01	WS-201

Ground

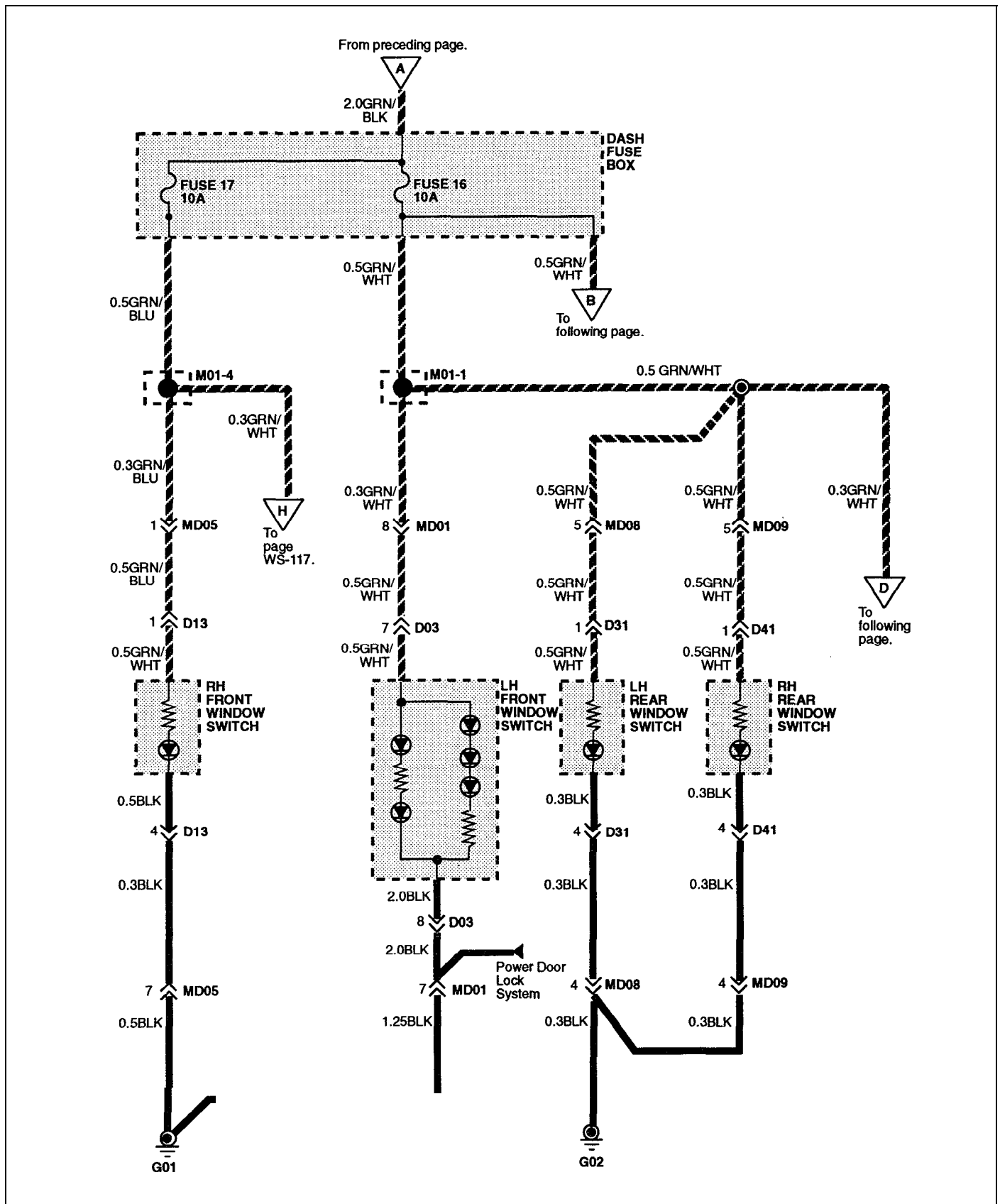
G02	WS-203
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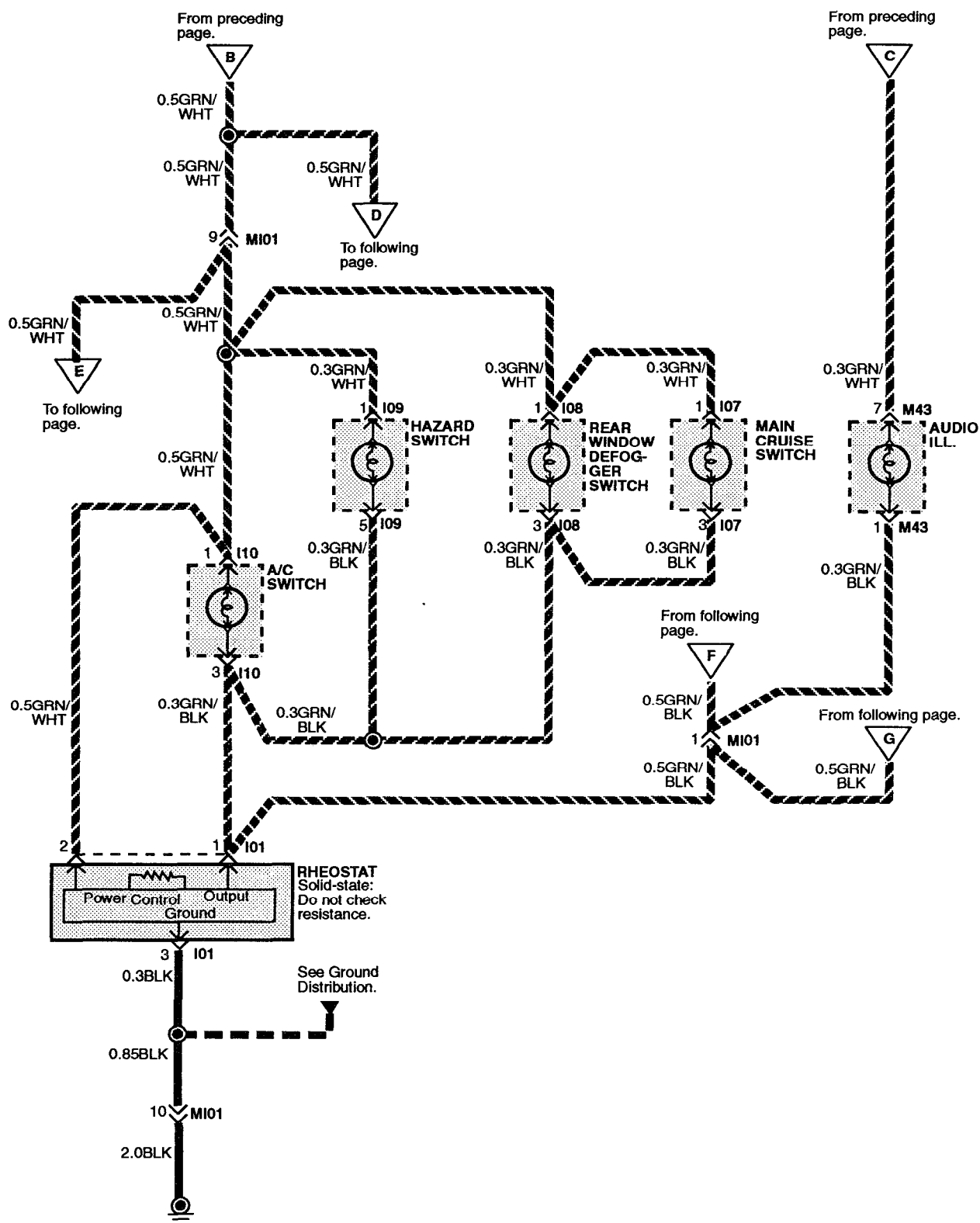
MEMO

SCHEMATIC DIAGRAM (1)

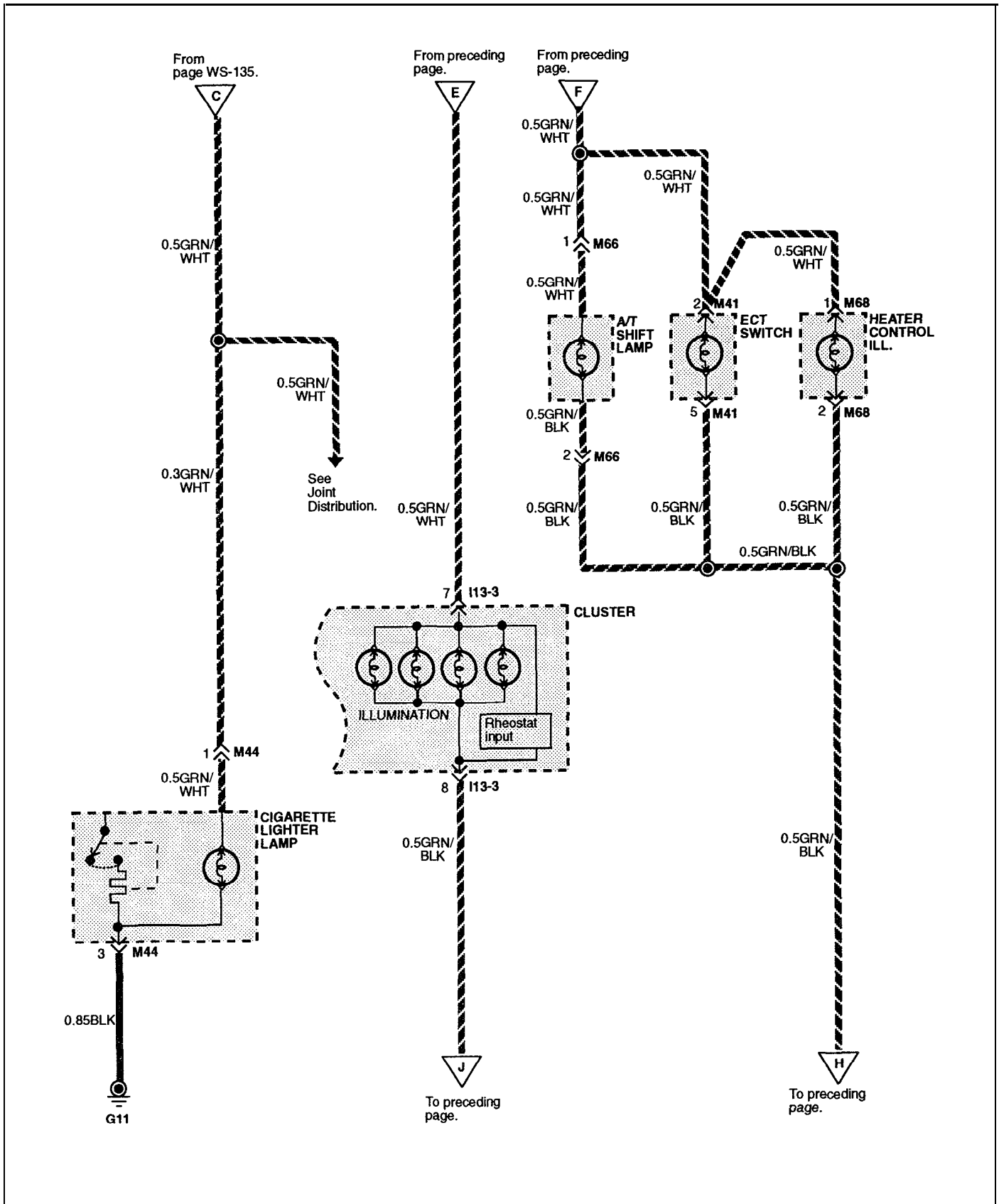


SCHEMATIC DIAGRAM (2)





SCHEMATIC DIAGRAM (4)



COMPONENT LOCATION INDEX

Location reference-page

Components

Audio ILL. (M43)	WS-196
A/T shift lamp (M66)	WS-198
Cigarette lighter lamp (M44)	WS-197
Cluster (I13-3)	WS-193
Digital clock (I11)	WS-193
ECT switch (M41)	WS-196
Fuel pump (M49)	WS-196
Hazard switch (I09)	WS-193
Heater control ILL. (M68)	WS-198
LH front window switch (D03)	WS-186
LH rear window switch (D31)	WS-187
Main cruise switch (I07)	WSs-193
Multi switch (M26-2)	WS-195
Rear window defogger switch (I08)	WS-193
Rheostat (I01)	WS-193
RH front window switch (D13)	WS-187
RH rear window switch (D41)	WS-187

Connectors

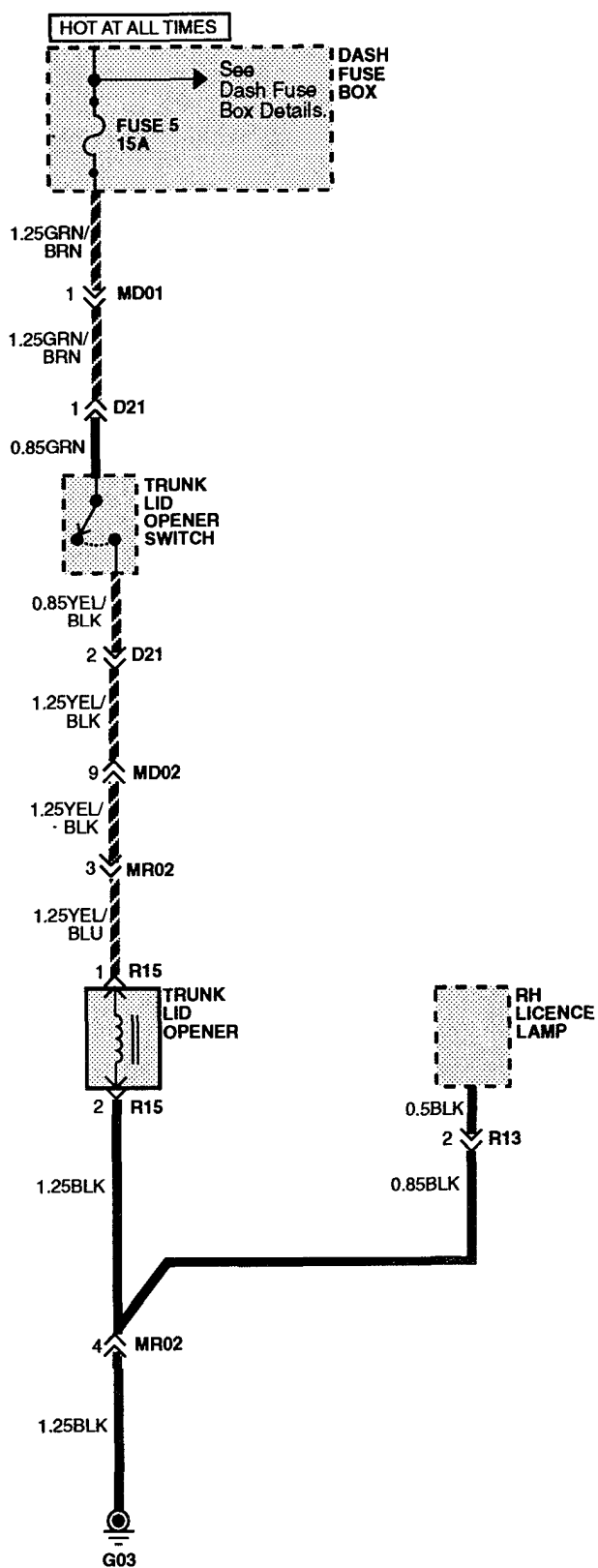
EM02	WS-191
EM03	WS-191
MD01	WS-201
MD05	WS-201
MD08	WS-201
MD09	WS-201
MI01	WS-201

Ground

G01	WS-203
G02	WS-203
G11	WS-204

MEMO

SCHEMATIC DIAGRAM

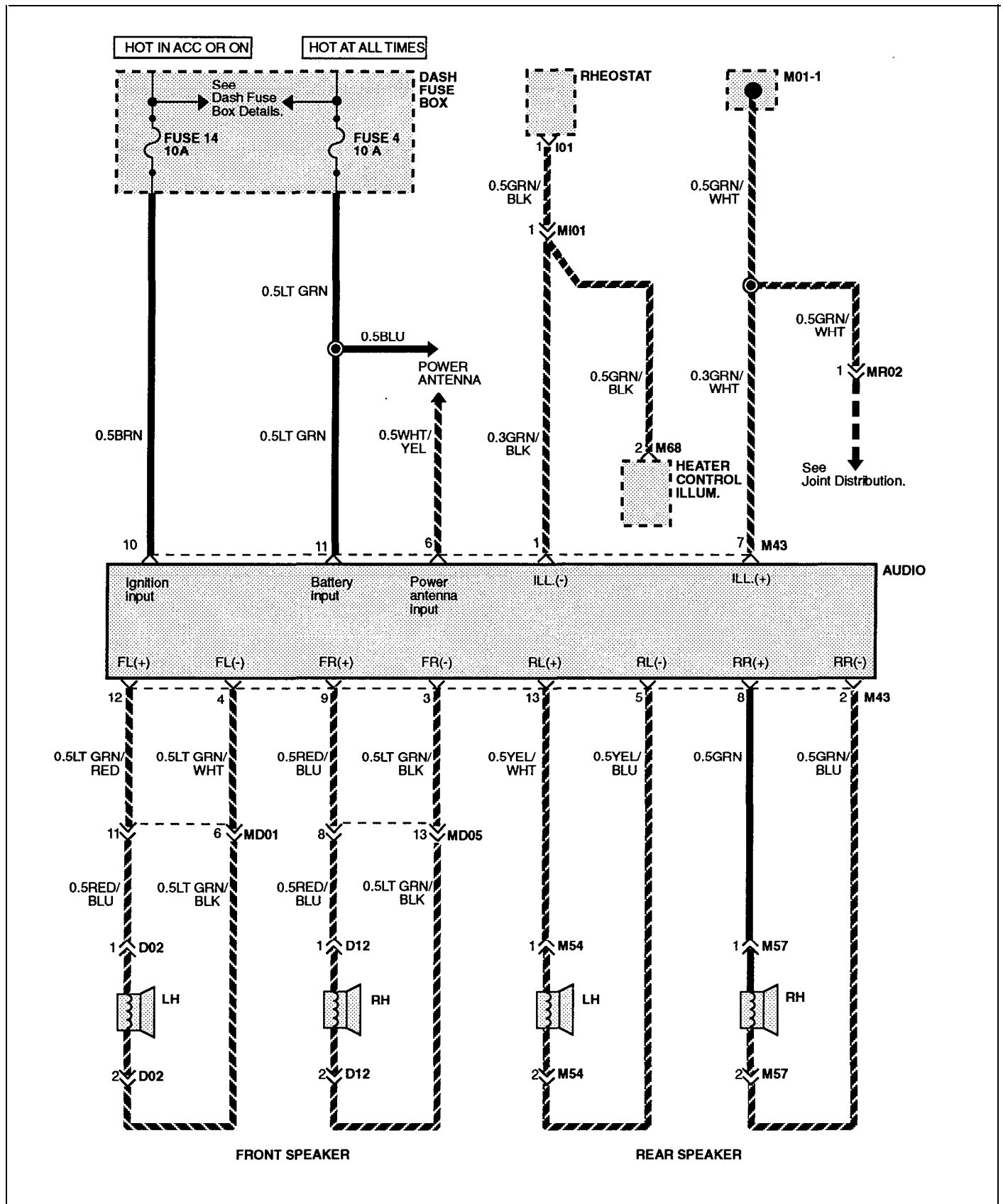


COMPONENT LOCATION INDEX

		Location reference-page
Components		
LH licence lamp (R12)		WS-202
Trunk lid opener (R15)		WS-202
Trunk lid opener switch (D21)		WS-187
Connectors		
MD01		WS-201
MD02		WS-201
MR02		WS-201
Ground		
G03		WS-203

SOUND SYSTEM

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

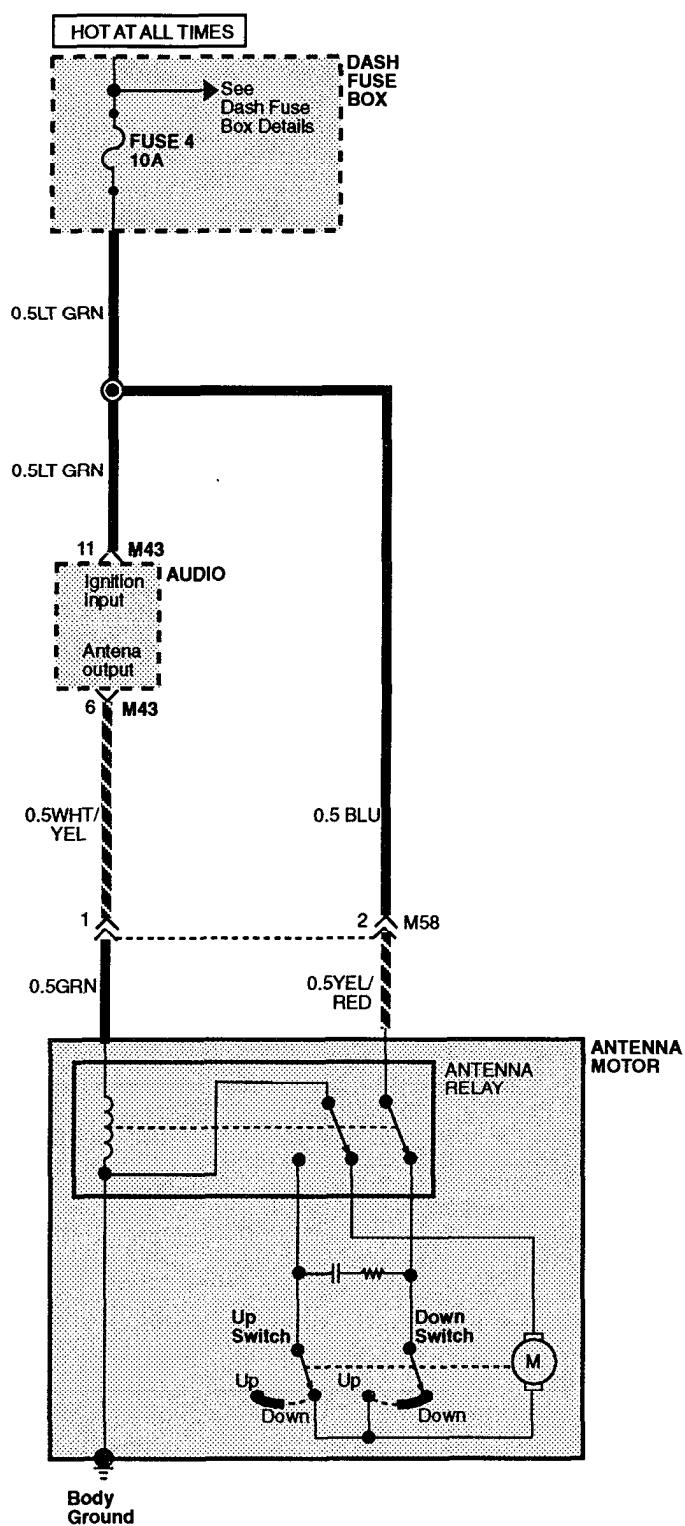
Components

Audio (M43)	WS-196
Heater control ilium (M66)	WS-198
LH front speaker (D02)	WS-186
LH rear speaker (M54)	WS-198
Rheostat (101)	WS-193
RH front speaker (D12)	WS-186
RH rear speaker (M57)	WS-198

Connectors

MD01	WS-201
MD05	WS-201
MI01	WS-201
MR02	WS-201

SCHEMATIC DIAGRAM

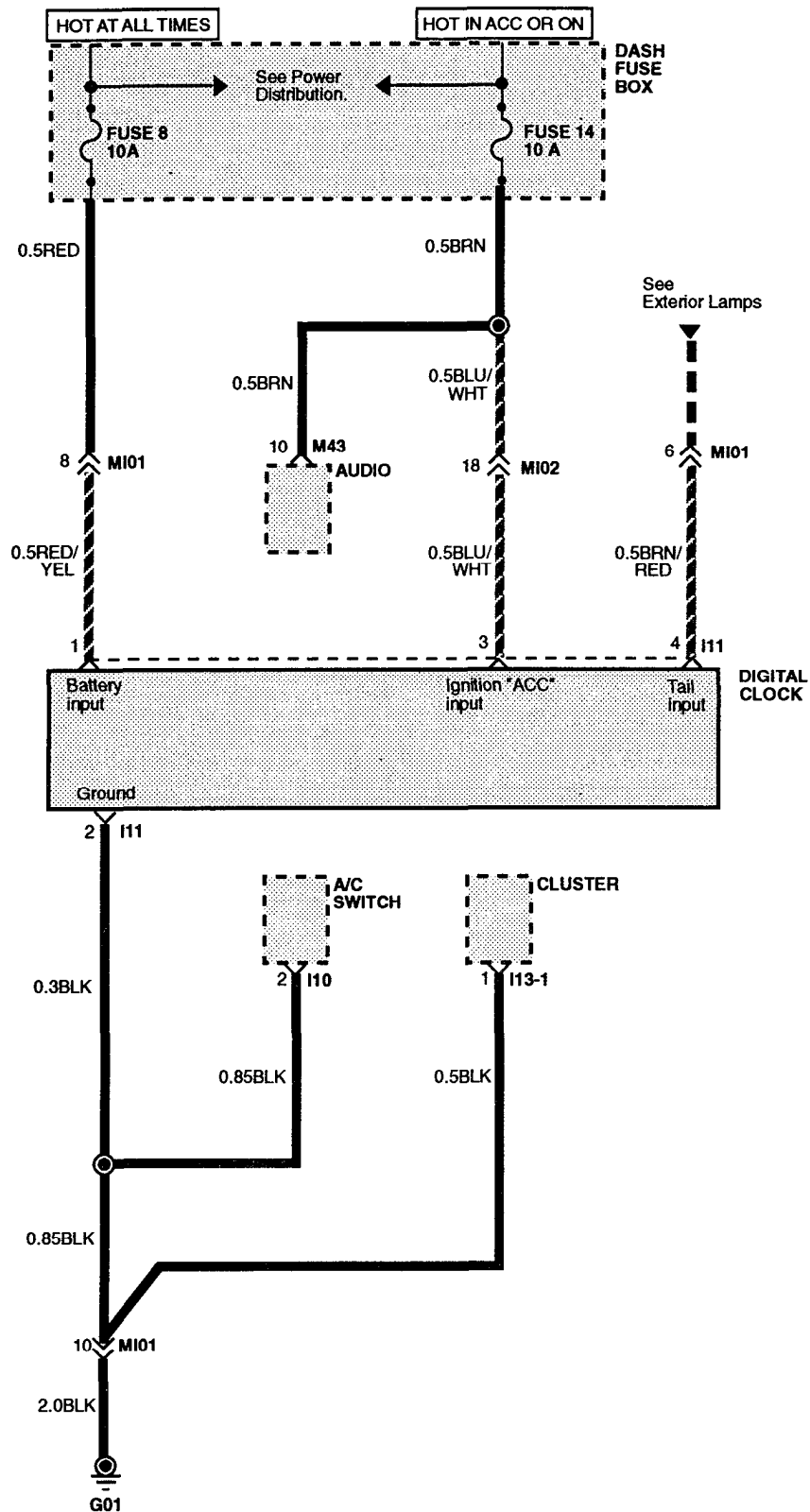


COMPONENT LOCATION INDEX

Location reference-page	
Components	
Antenna motor (M58)	WS-198
Audio (M43)	WS-196

DIGITAL CLOCK

SCHEMATIC DIAGRAM

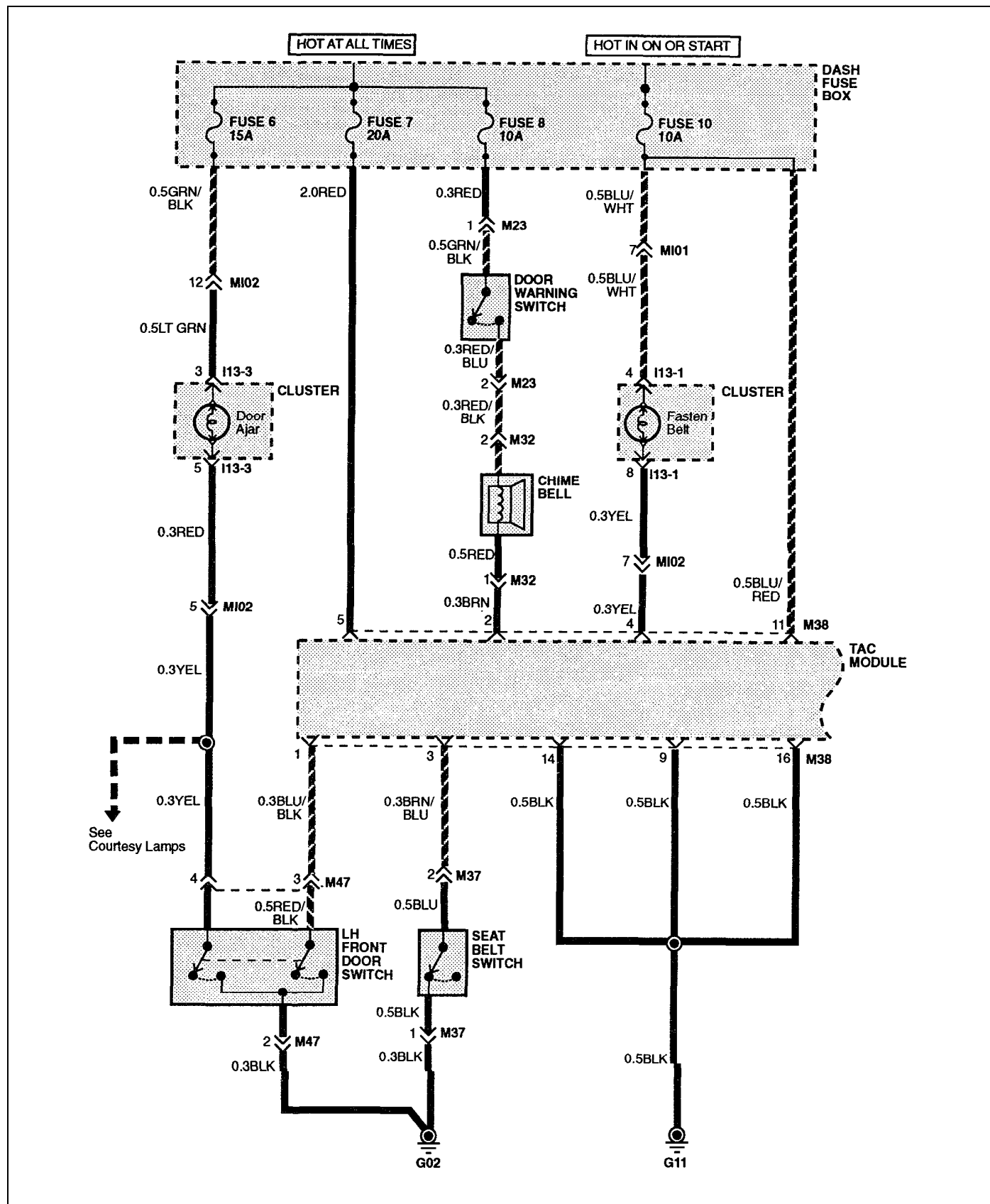


COMPONENT LOCATION INDEX

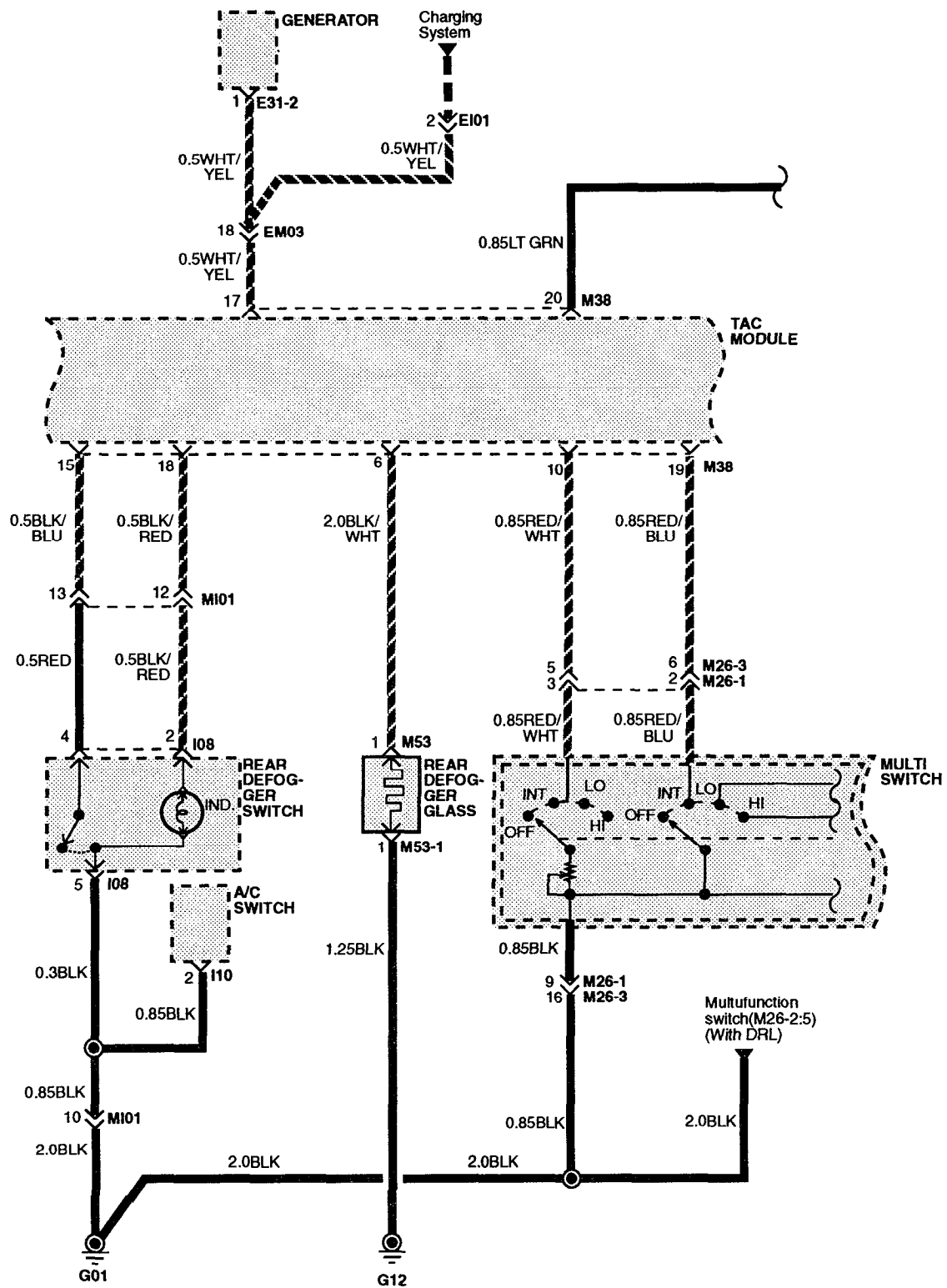
		Location reference-page
Components		
A/C switch (I10)		WS-193
Audio (M43)		WS-196
Cluster (I13-1)		WS-193
Digital clock (I11)		WS-193
Connectors		
MI01		WS-201
MI02		WS-201
Ground		
G01		WS-203

TIME AND ALARM CONTROL (TAC) SYSTEM

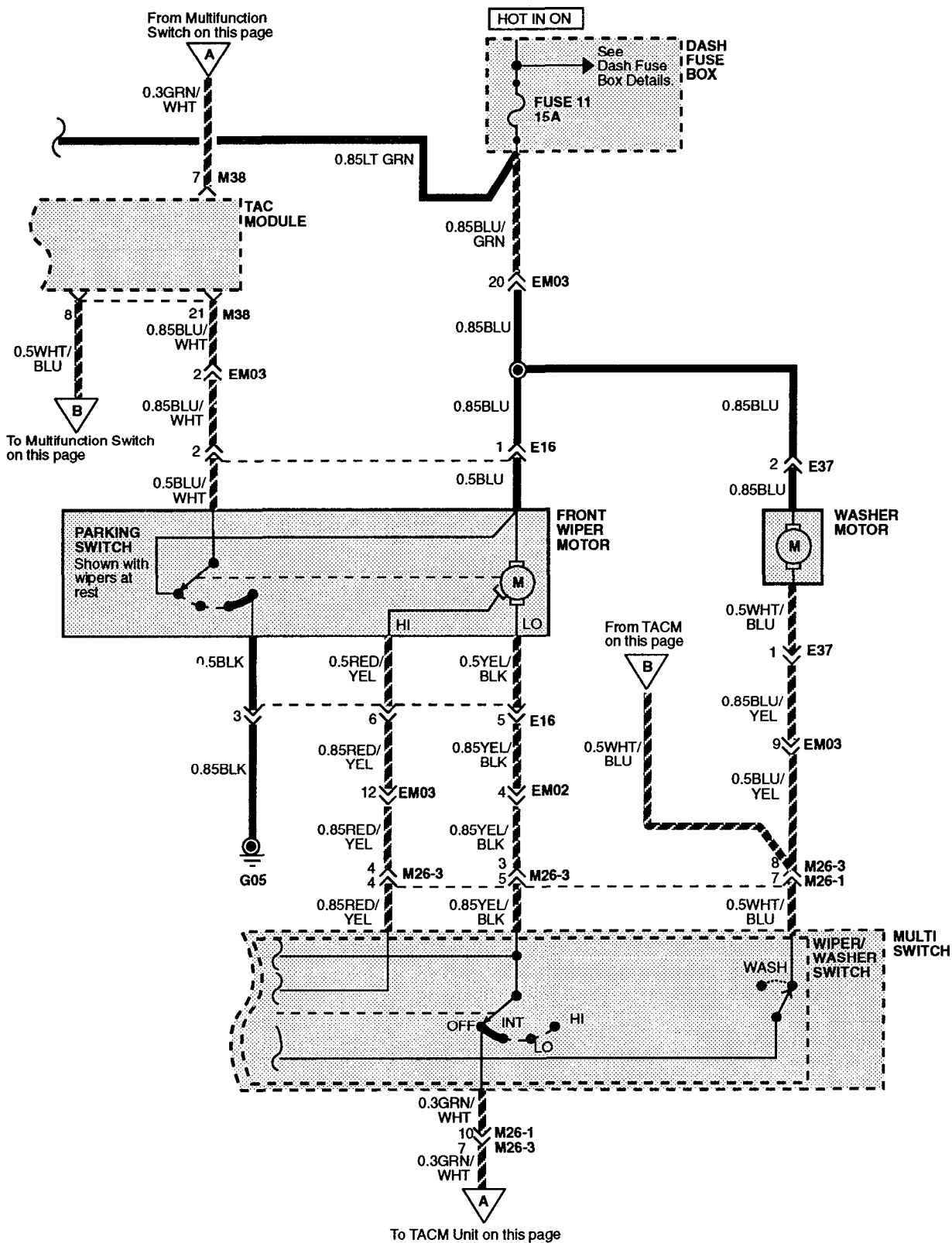
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



COMPONENT LOCATION IN

Location reference-page

Components

A/C switch (I10)	WS-193
Generator (E31-2)	WS-189
Chime bell (M32)	WS-195
Cluster (I13-1)	WS-193
Cluster (I13-3)	WS-193
Door warning switch (M23)	WS-195
Front wiper motor (E16)	WS-188
LH front door switch (M47)	WS-197
Multi switch (M26-1)	WS-195
Rear defogger glass (M53)	WS-197
Rear defogger switch (I08)	WS-196
Seat belt switch (M37)	WS-193
TACM (M38)	WS-196
Washer motor (E37)	WS-190

Connectors

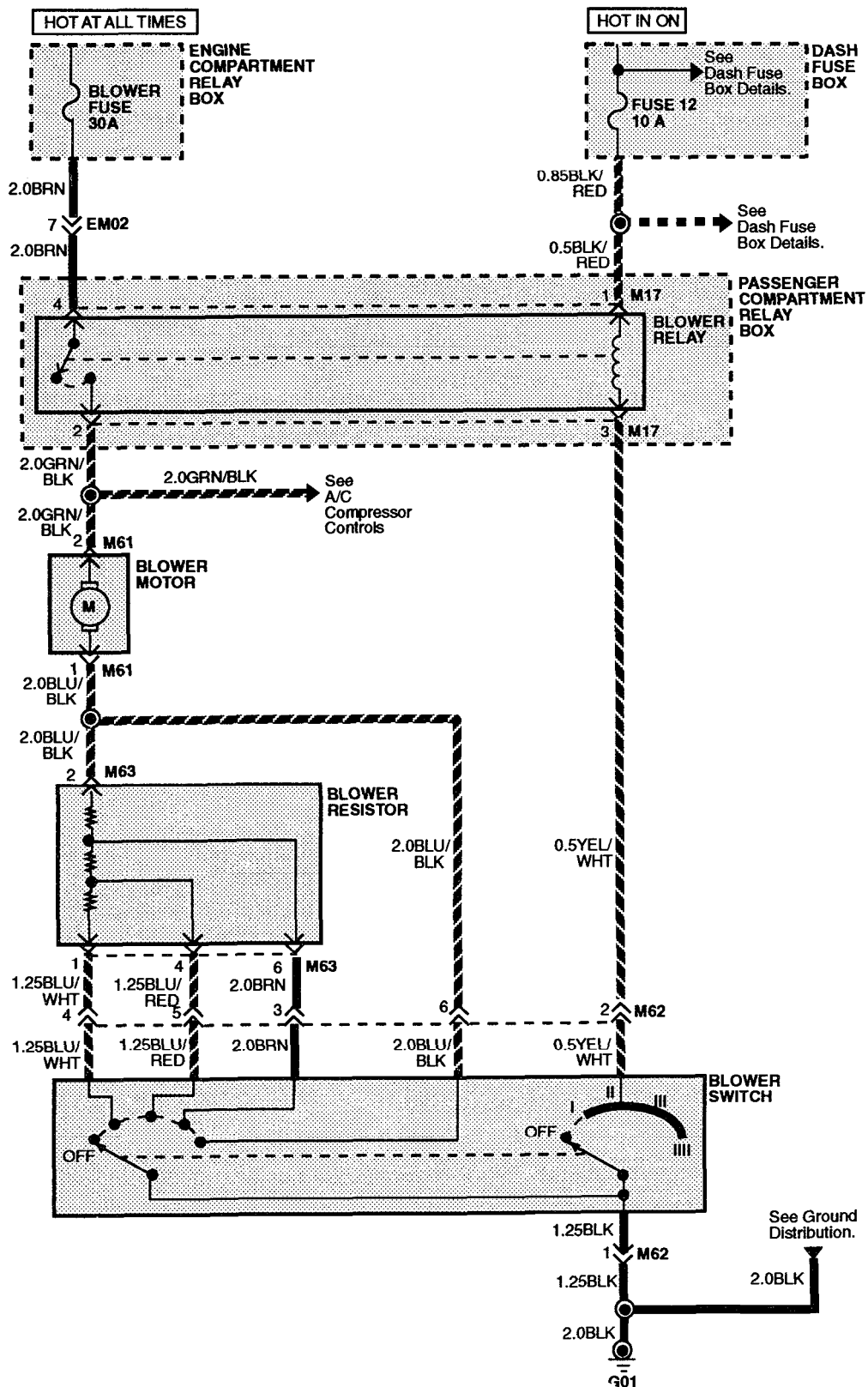
EM02	WS-191
EM03	WS-191
MI01	WS-201
MI02	WS-201

Ground

G01	WS-203
G02	WS-203
G05	WS-203
G11	WS-204
G12	WS-204

BLOWER CONTROLS

SCHEMATIC DIAGRAM

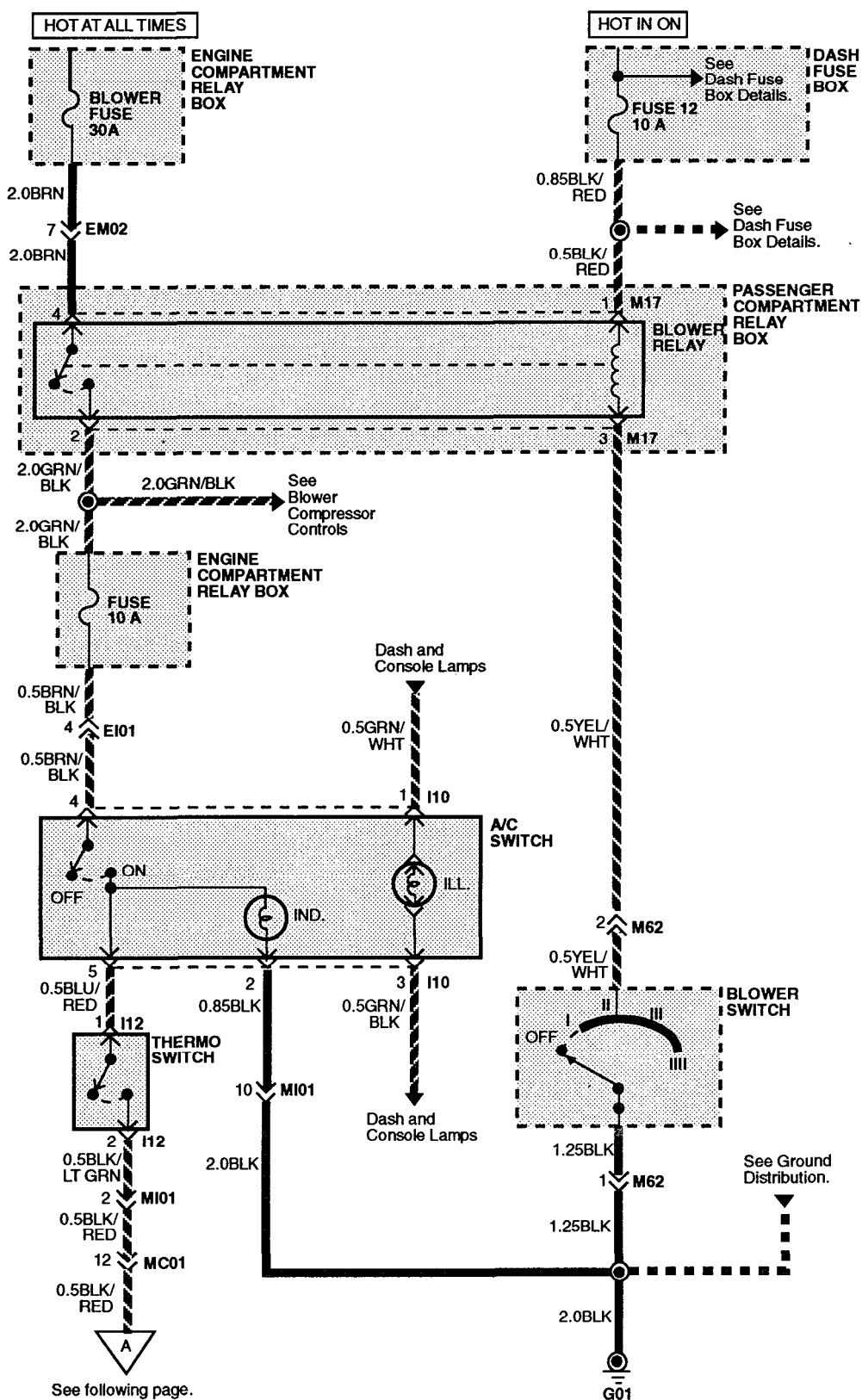


COMPONENT LOCATION INDEX

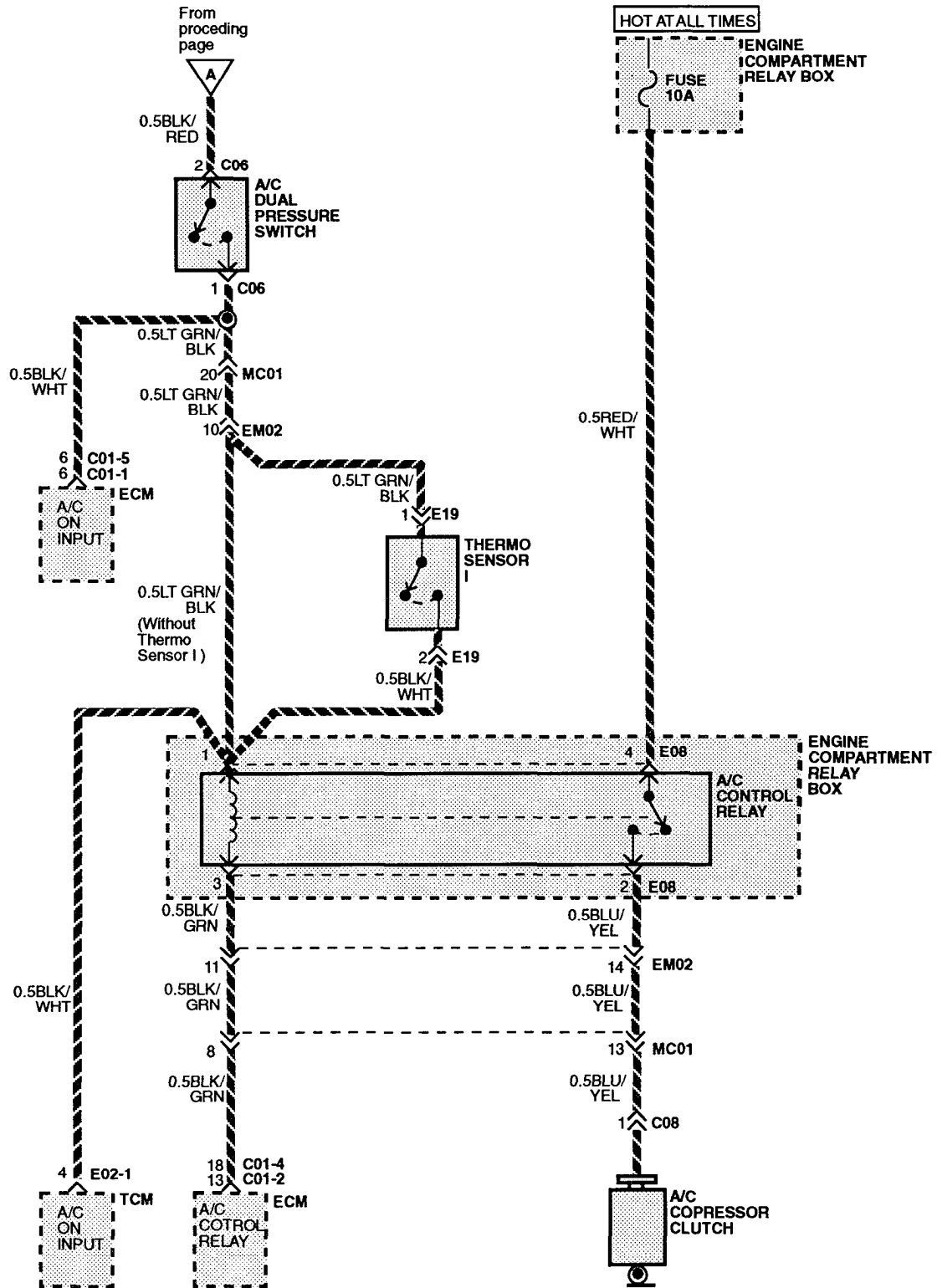
		Location reference-page
Components		
Blower motor (M61)		WS-198
Blower relay (M1 7)		WS-194
Blower resistor (M63)		WS-198
Blower switch (M62)		WS-198
Connectors		
EM02		WS-191
EM03		WS-191
Ground		
G01		WS-203

A/C COMPRESSOR CONTROLS

SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



COMPONENT LOCATION INDEX

Location reference-page

Components

NC compressor (C08)	WS-182
A/C control relay (E08)	WS-188
A/C low pressure switch (C06)	WS-182
A/C switch (I10)	WS-193
Blower relay (M17)	WS-194
Blower switch (M62)	WS-198
ECM (C01 -1/C01 -2)	WS-182
TCM (E02-1)	WS-188
Thermo sensor-I (EI 9)	WS-188
Thermo switch (I12)	WS-193

Connectors

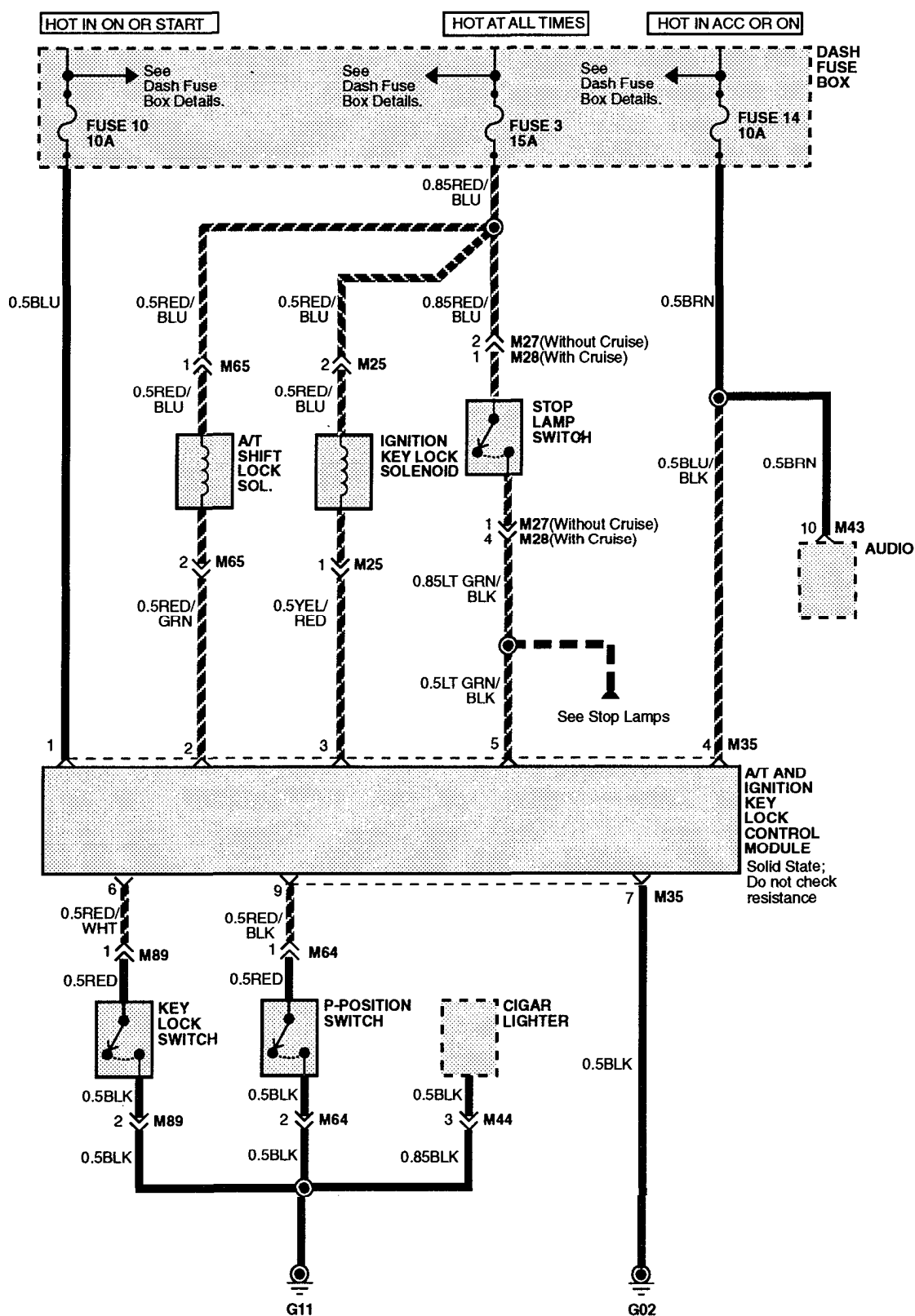
EI01	WS-192
EM02	WS-191
MC01	WS-201
MI01	WS-201

Ground

G01	WS-203
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MEMO

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

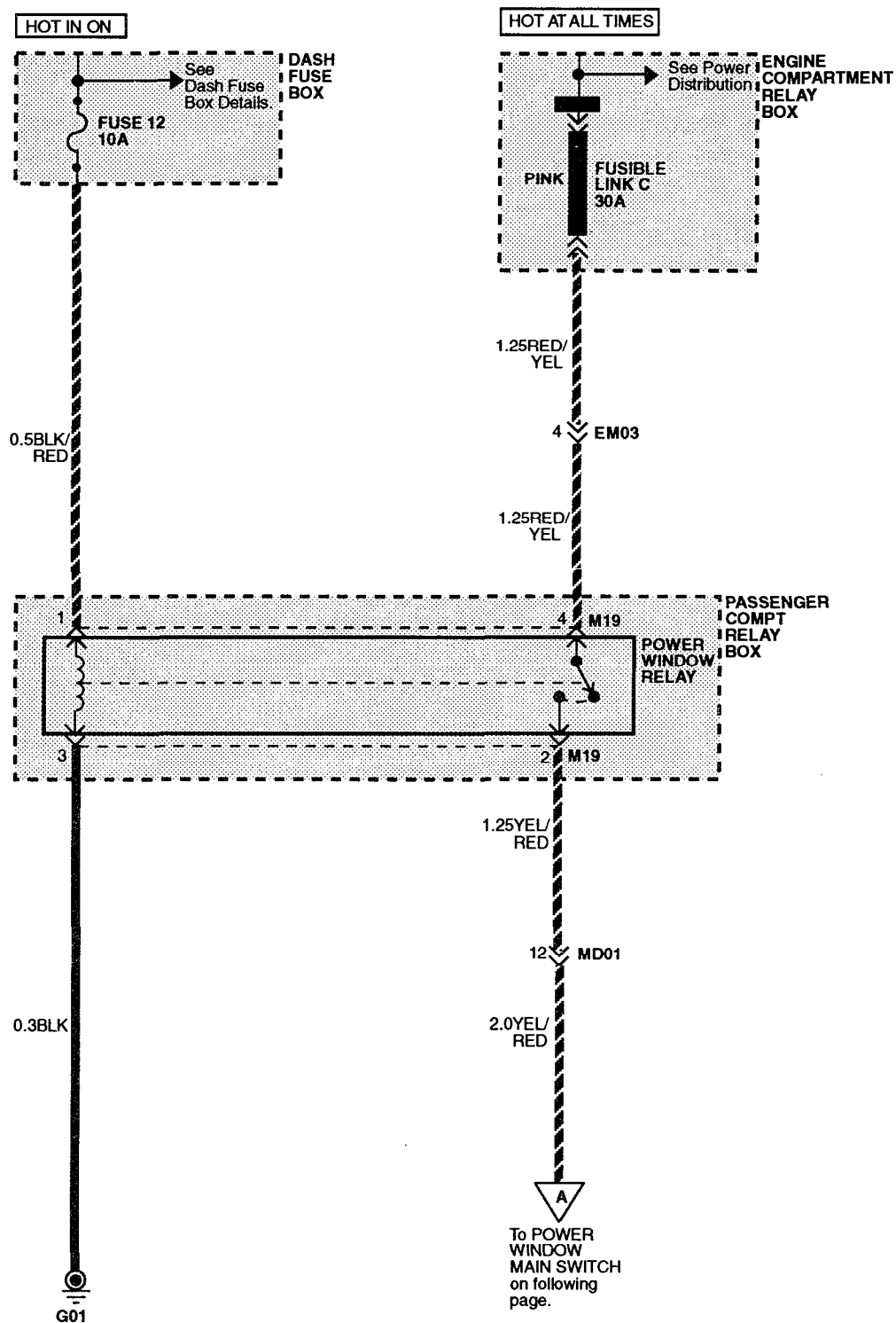
A/T and ignition key lock control module (M35)	WS-196
A/T shift lock sol. (M65)	WS-198
Audio (M43)	WS-196
Cigar lighter (M44)	WS-197
Ignition key lock solenoid (M25)	WS-195
P-position switch (M64)	WS-198
Stop lamp switch (M27/M28)	WS-195

Ground

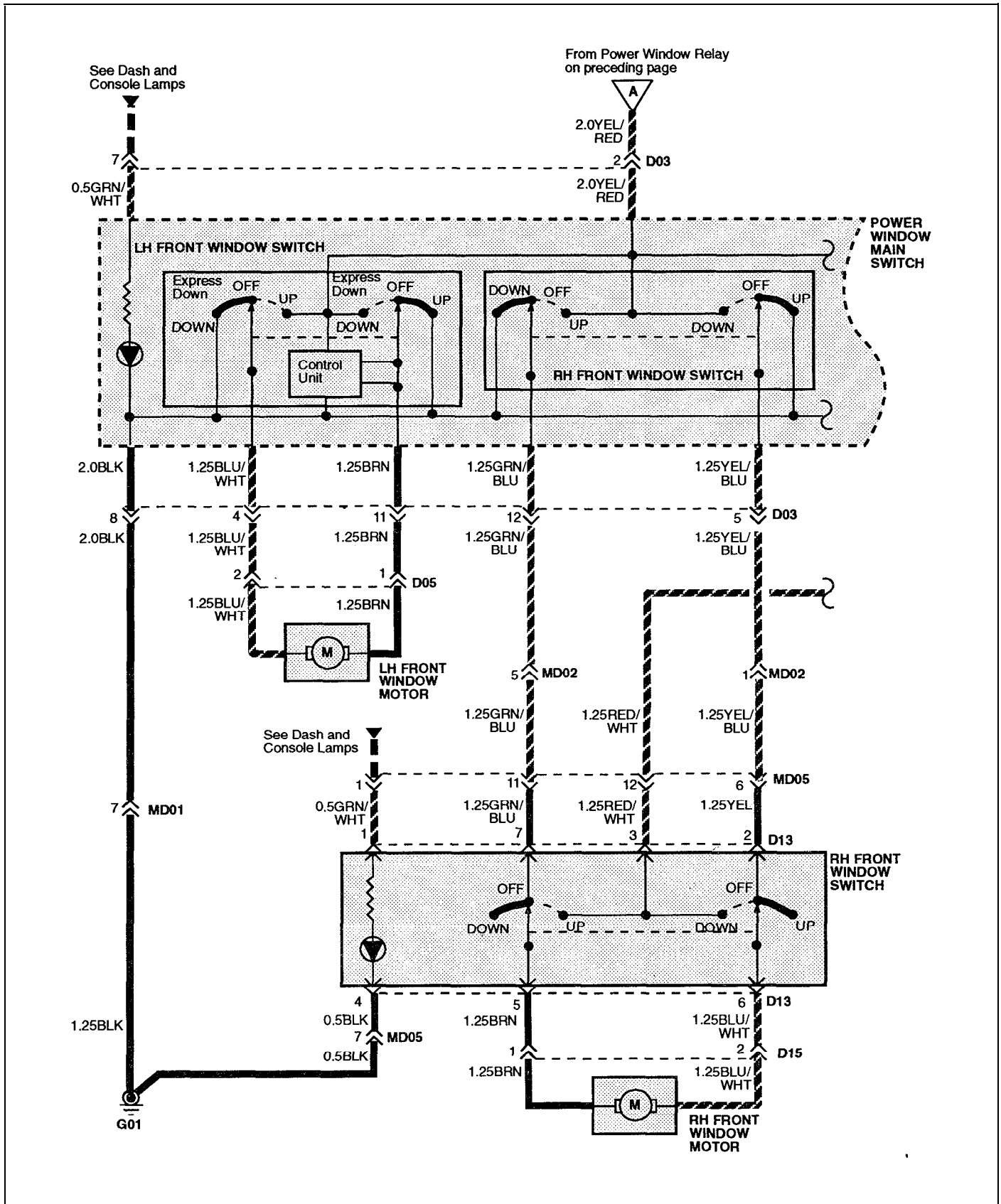
G02	WS-203
G11	WS-204

POWER WINDOWS

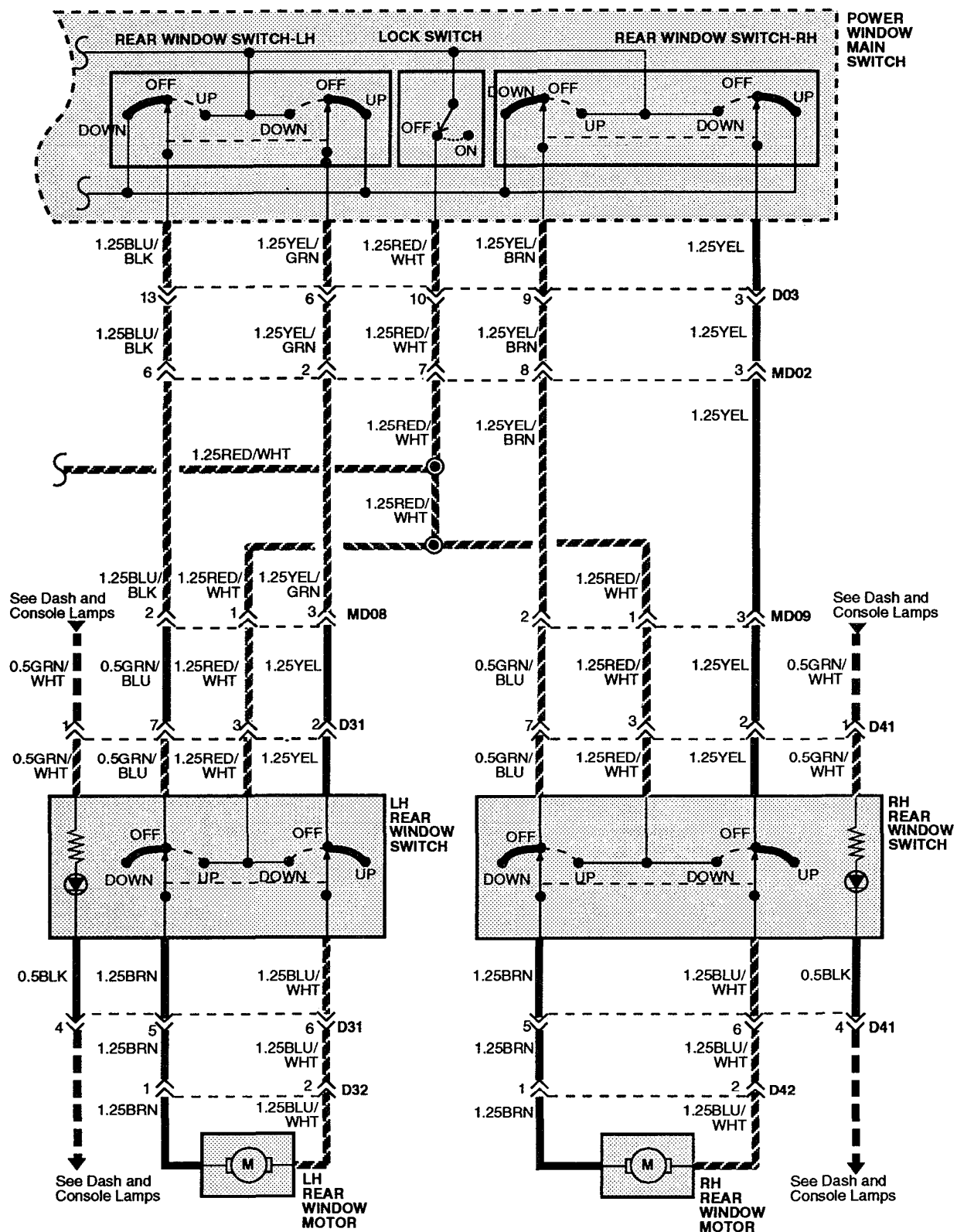
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



COMPONENT LOCATION INDEX

Location reference-page

Components

LH front window motor (D05)	WS-186
LH rear window motor (D32)	WS-187
LH rear window switch (D31)	WS-187
Power window main switch (D03)	WS-186
RH front window motor (D15)	WS-187
RH front window switch (D13)	WS-187
RH rear window motor (D42)	WS-187
RH rear window switch (D41)	WS-187

Connectors

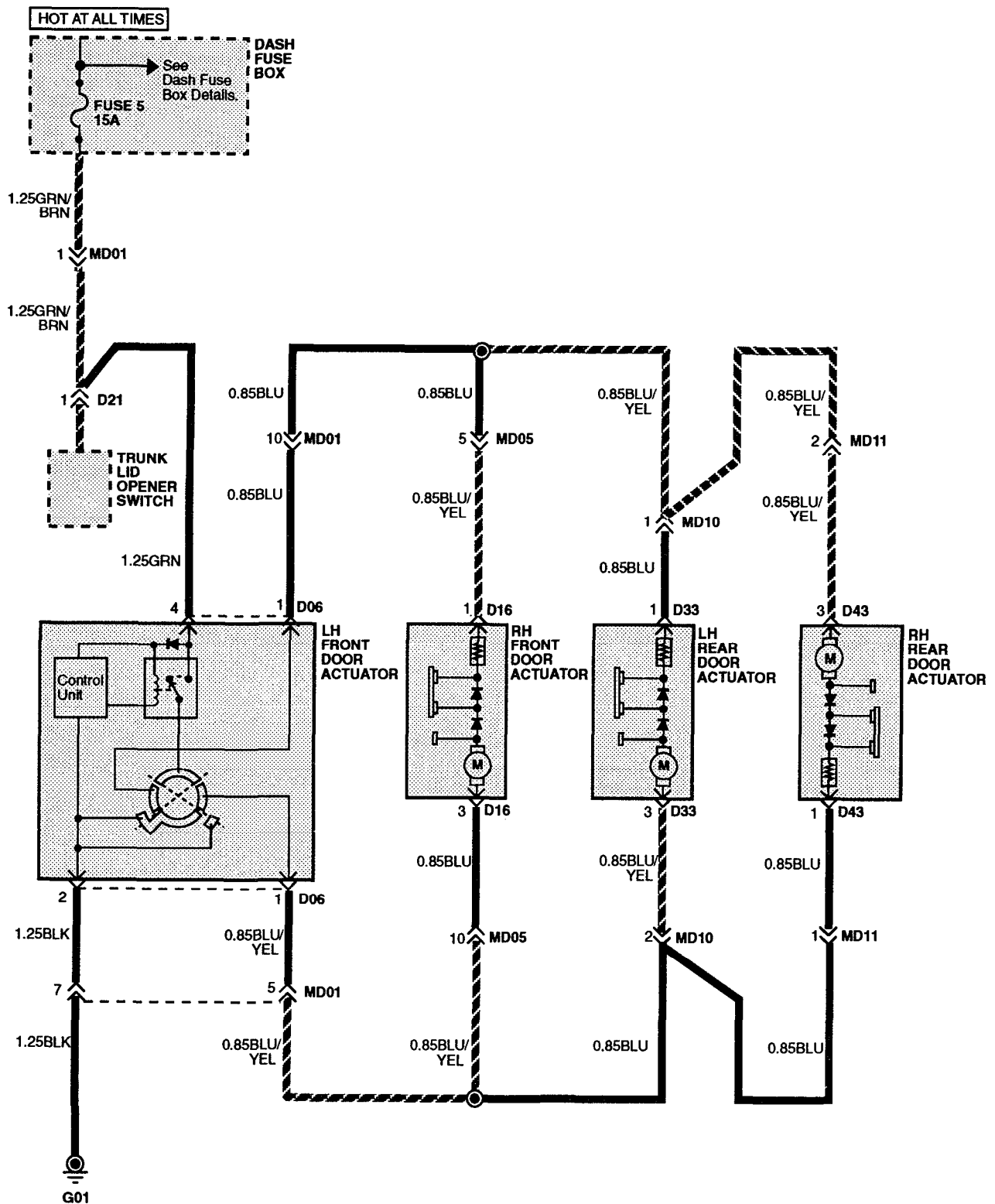
EM03	WS-191
MD01	WS-201
MD02	WS-201
MD05	WS-201
MD08	WS-201
MD09	WS-201

Ground

G01	WS-203
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POWER DOOR LOCK

SCHEMATIC DIAGRAM (1)



COMPONENT LOCATION INDEX

Location reference-page

Components

LH front door actor (D06).	WS-186
LH rear door actor (D33)	WS-187
RH front door actor (D16)	WS-187
RH rear door actor (D43)	WS-187
Trunk lid opener switch (D21)	WS-187

Connectors

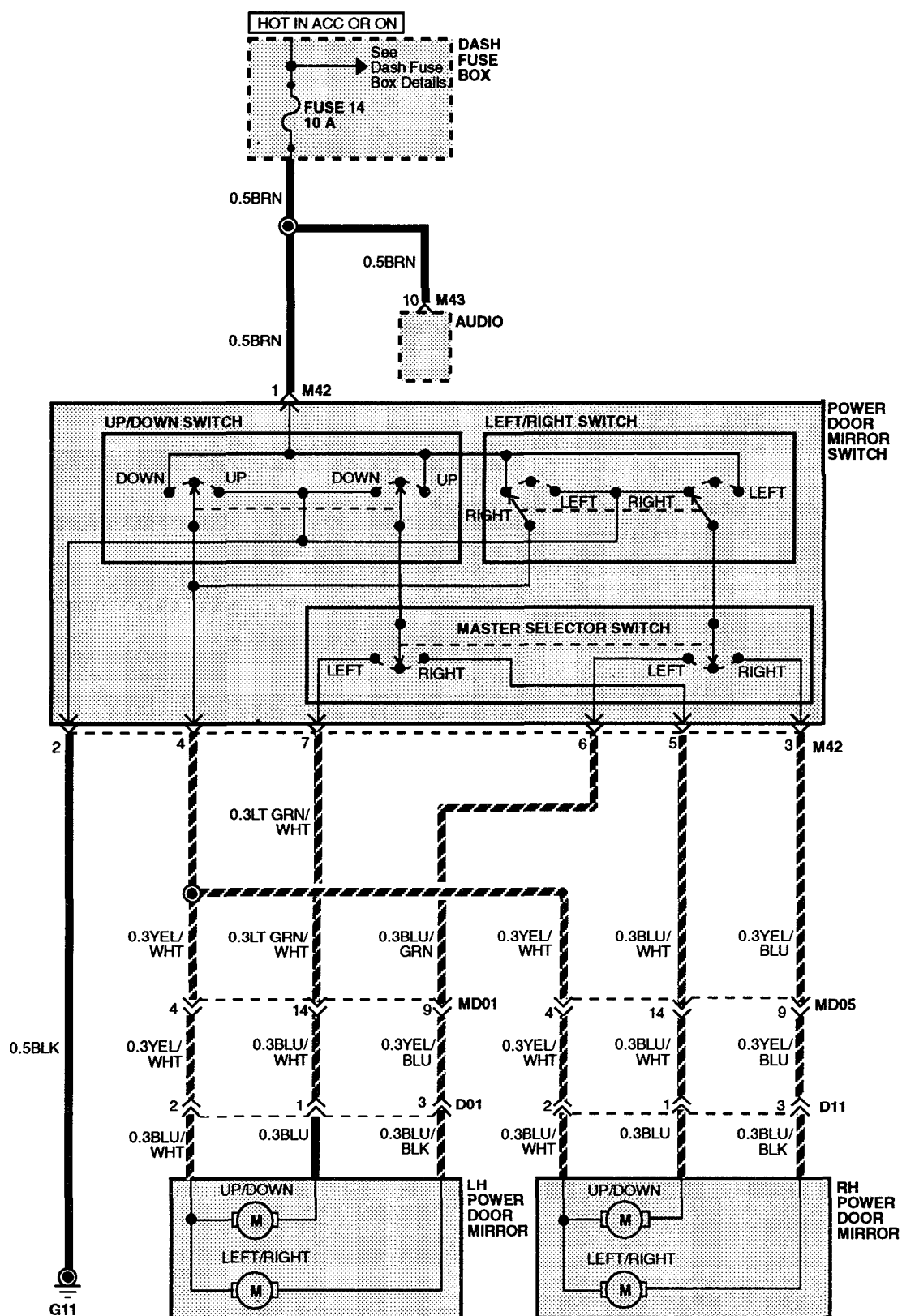
MD01	WS-201
MD05	WS-201

Ground

G01	WS-203
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POWER DOOR MIRROR

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Audio (M43)	WS-196
LH power door mirror (D01)	WS-186
Power door mirror switch (M42)	WS-196
RH power door mirror (D11)	WS-187

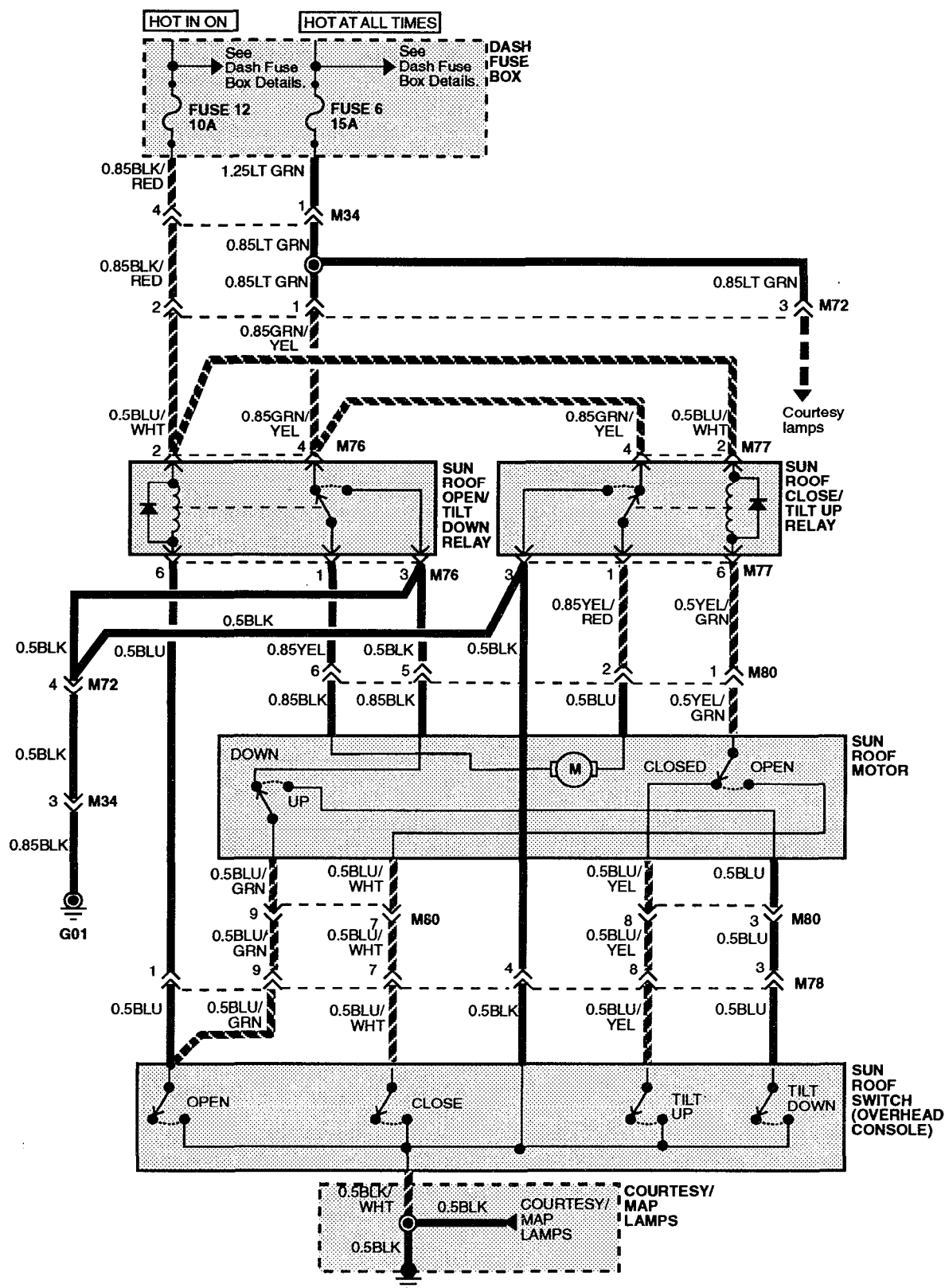
Connectors

MD01	WS-201
MD05	WS-201

Ground

G11	WS-204
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SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Sun roof close/tilt up relay (M77)	WS-199
Sun roof motor (M80)	WS-199
Sun roof open/tilt down relay (M76)	WS-199
Sun roof switch (overhead console) (M78)	WS-199

Connectors

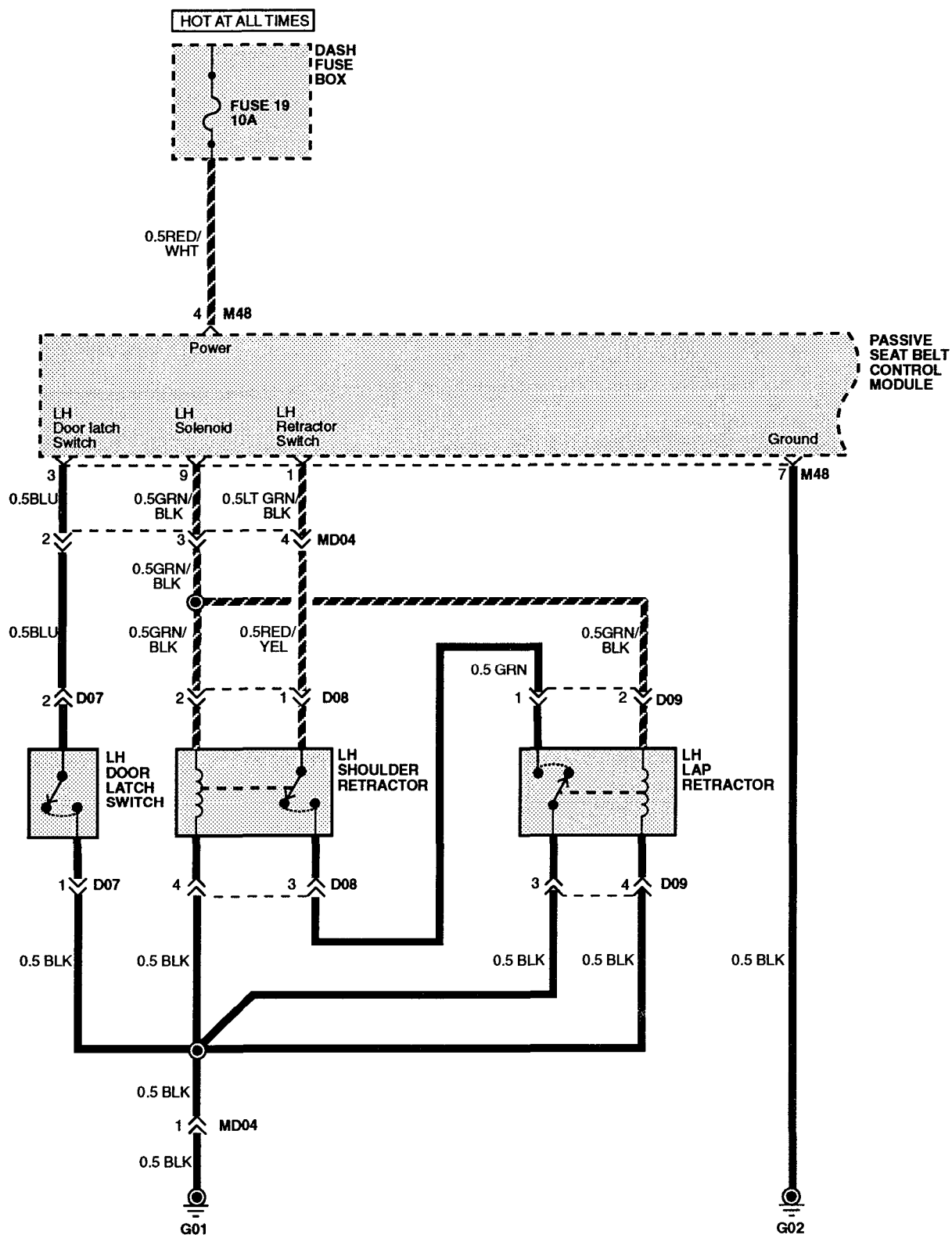
M34	WS-196
M72	WS-199

Ground

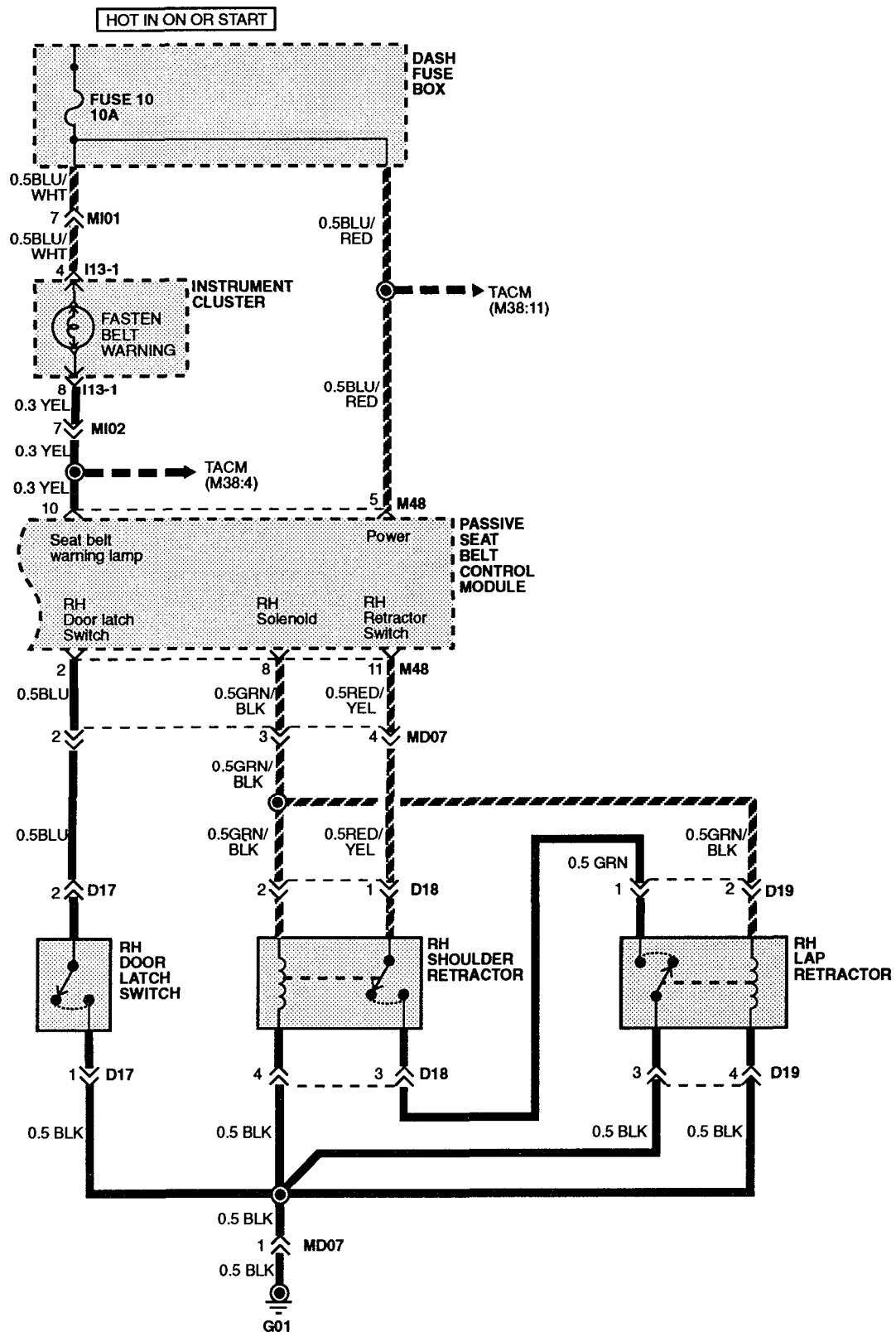
G01	WS-203
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PASSIVE SEAT BELTS

SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



COMPONENT LOCATION INDEX

Location reference-page

Components

Instrument cluster (I13-1)	WS-193
LH door latch switch (D07)	WS-186
LH lap retractor (D09)	WS-186
LH shoulder retractor (D08)	WS-186
Passive seat belt unit (M48)	WS-197
RH door latch switch (D17)	WS-187
RH lap retractor (D19)	WS-187
RH shoulder retractor (D18)	WS-187

Connectors

MD04	WS-201
MD07	WS-201
MI01	WS-201
MI02	WS-201

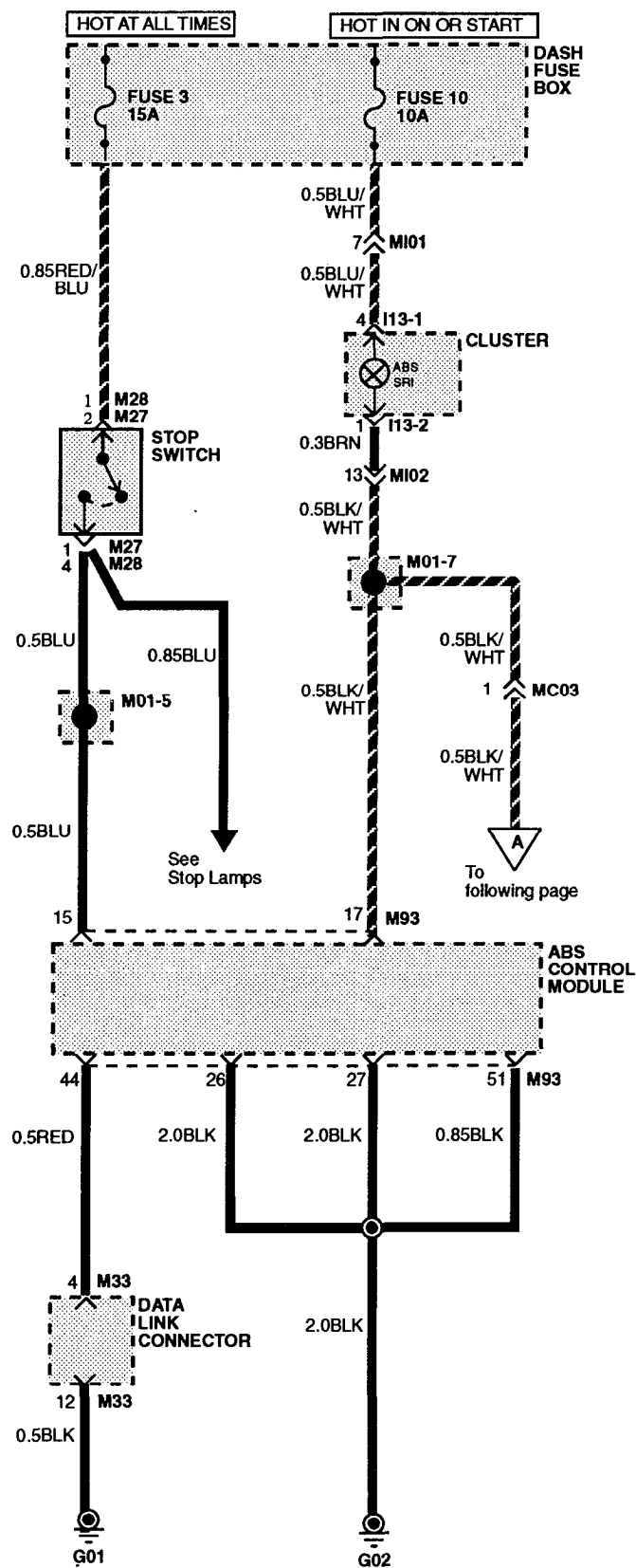
Grounds

G01	WS-203
G02	WS-203

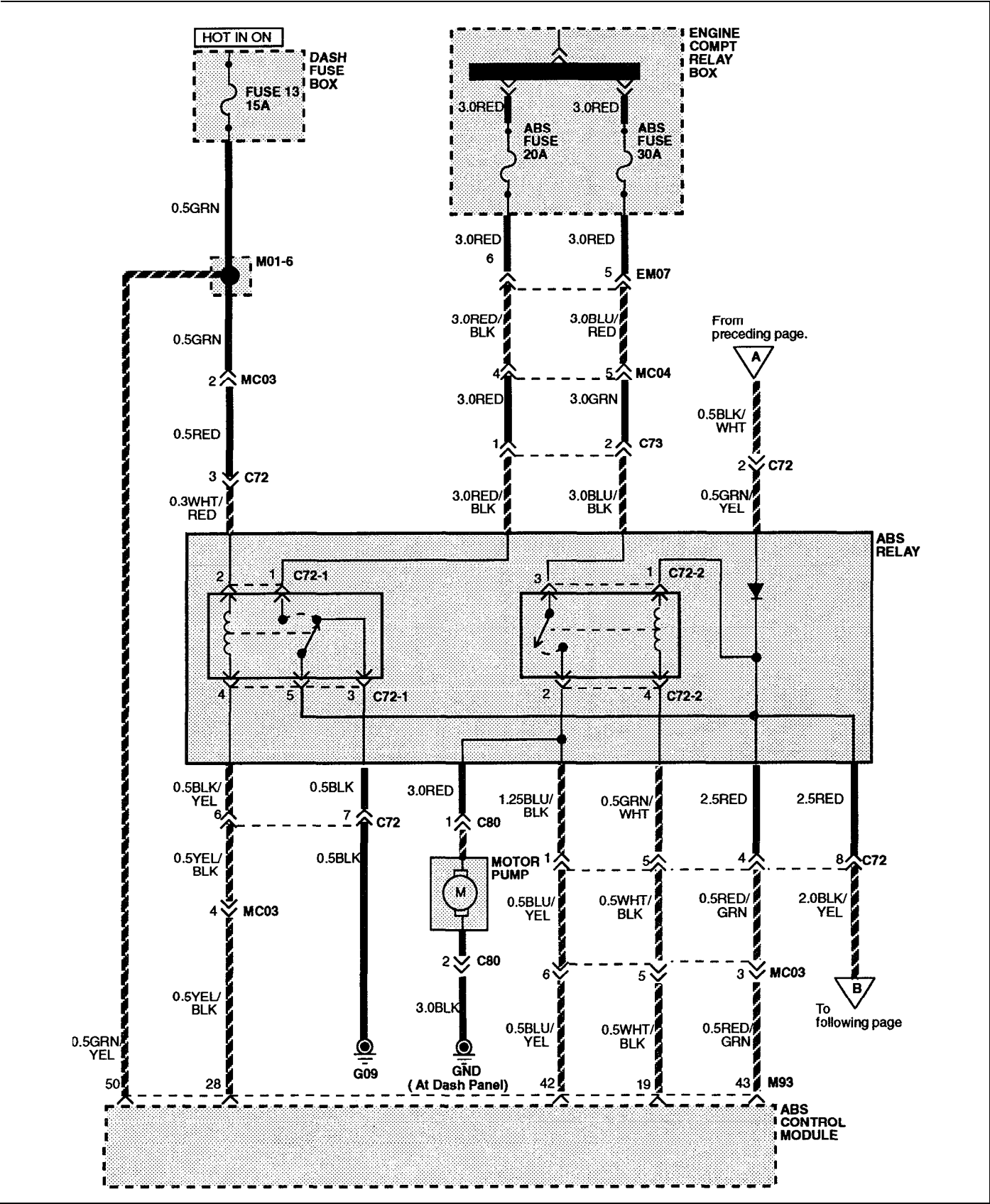
MEMO

ANTI-LOCK BRAKE SYSTEM

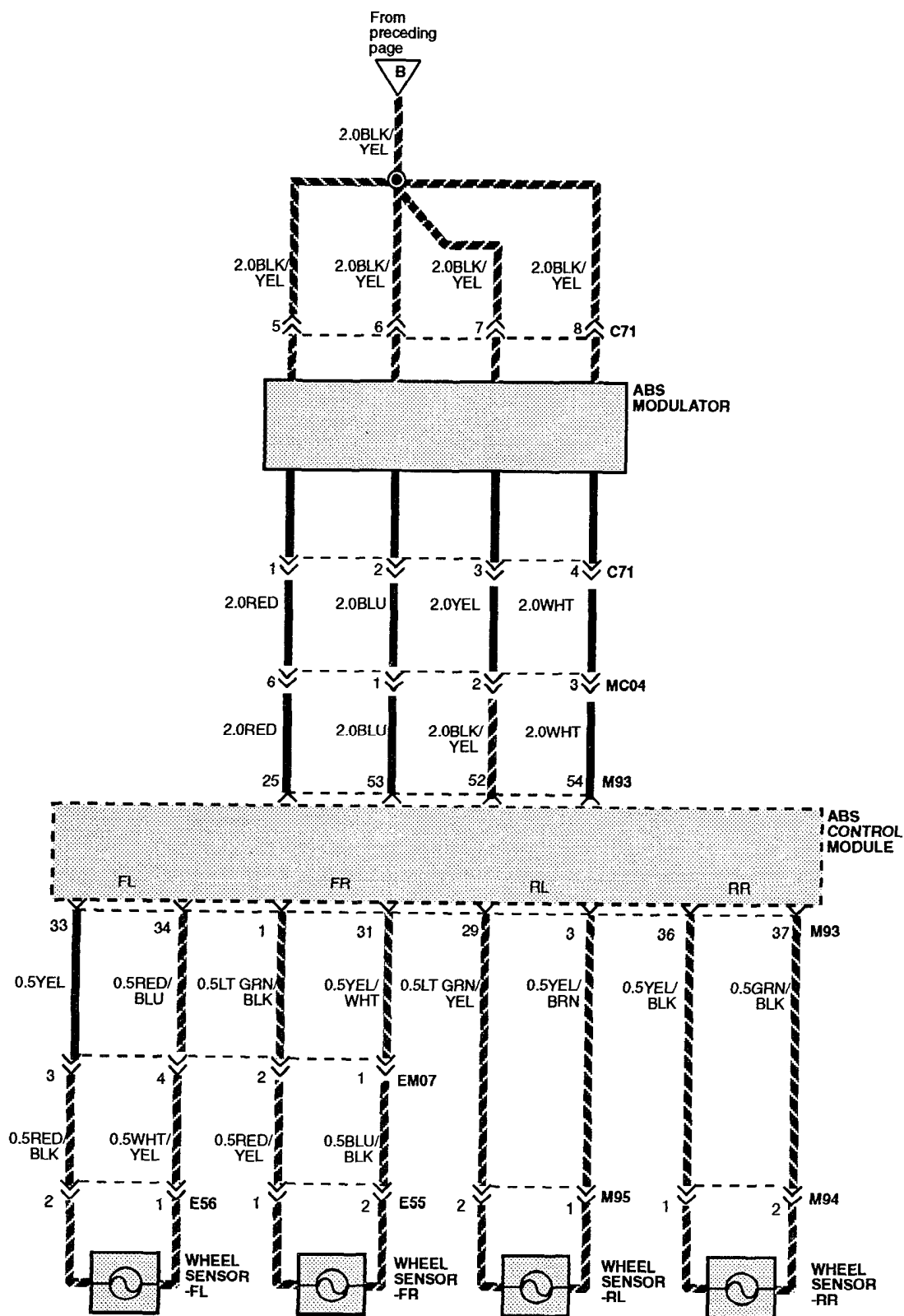
SCHEMATIC DIAGRAM (1)



SCHEMATIC DIAGRAM (2)



SCHEMATIC DIAGRAM (3)



COMPONENT LOCATION INDEX

Location reference-page

Components

ABS control module (M93)	WS-200
ABS modulator (C71)	WS-185
ABS relay (C72/C73)	WS-185
Cluster (I13-1/I13-2)	WS-193
Motor pump (C80)	WS-185
Data link connector (M33)	WS-190
Stop lamp switch (M27/M28)	WS-189
Wheel sensor (E55/E56/M94/M95)	WS-191/200

Connectors

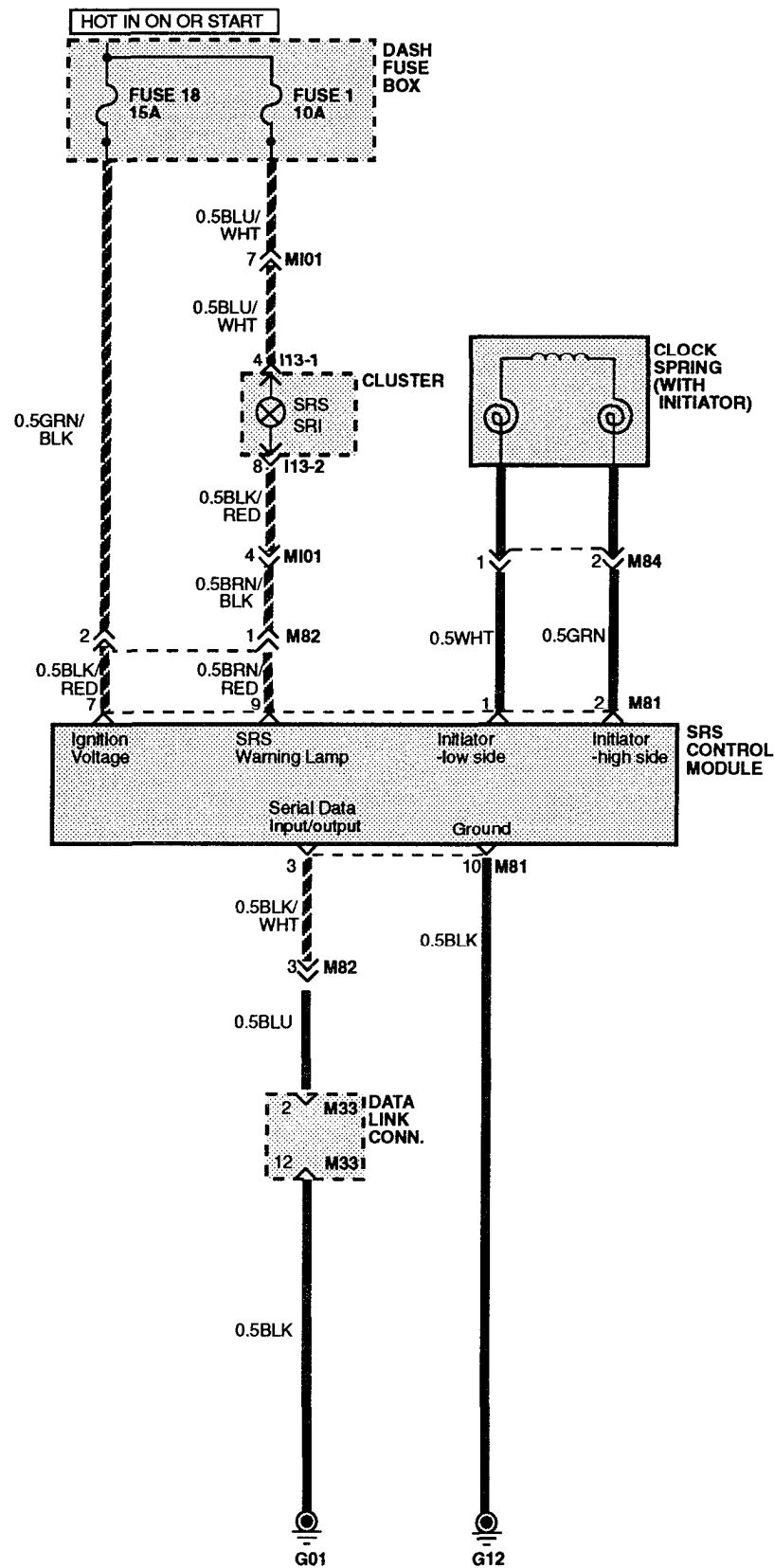
MC03	WS-201
EM07	WS-192
MC04	WS-201

Grounds

G01	WS-203
G02	WS-203

AIR BAG

SCHEMATIC DIAGRAM



COMPONENT LOCATION INDEX

Location reference-page

Components

Clock spring (Initiator) (M84)	WS-200
SRS control module (M81)	WS-200
Data link connector (M33)	WS-196
Cluster (I13-1~I13-2)	WS-193

Connectors

MI01	WS-201
M82	WS-200

Grounds

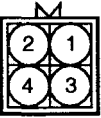
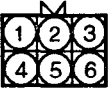


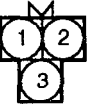


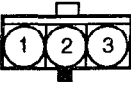




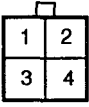
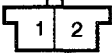
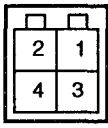
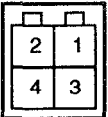
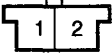
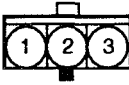

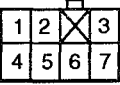

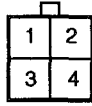
G01	WS-203
G02	WS-203

CONFIGURATION OF CONNECTORS

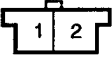
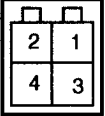
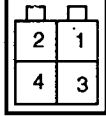
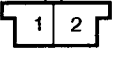

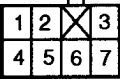


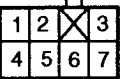



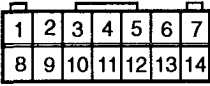
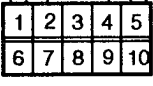



C01-1 ~ C20

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<div>C02</div> <div><div><div>12345</div><div>678910</div></div></div> <div>CC10-001F</div>		<div>C03</div> <div><div><div>1</div><div>2</div></div></div> <div>CC02-005F</div>		<div>C04</div> <div><div><div>1</div></div></div> <div>CC01-013F</div>		<div>C05</div> <div><div><div>1</div></div></div> <div>CC01-013F</div>	
<div>C06</div> <div><div><div>12</div></div></div> <div>CC02-003F</div>		<div>C07</div> <div><div><div>12</div><div>34</div></div></div> <div>CC04-004F</div>		<div>C08</div> <div><div><div></div><div><div>1</div></div></div></div> <div>CC01-008F</div>		<div>C09</div> <div><div><div><div>21</div><div>43</div></div></div></div> <div>CC04-002M</div>	
<div>C11</div> <div><div><div>1</div><div>2</div></div></div> <div>CC02-005F</div>		<div>C12-1</div> <div><div><div>12</div></div></div> <div>CC02-009F</div>		<div>C12-2</div> <div><div><div>12</div></div></div> <div>CC02-009F</div>		<div>C12-3</div> <div><div><div>12</div></div></div> <div>CC02-009F</div>	
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<div>C17</div> <div><div><div>1234</div></div></div> <div>CC04-005F</div>		<div>C18</div> <div><div><div>1</div><div>1</div></div></div> <div>CC01-015F</div>		<div>C19</div> <div><div><div>1</div></div></div> <div>CC01-003F</div>		<div>C20</div> <div><div><div>1</div><div>2</div></div></div> <div>CC02-004F</div>	




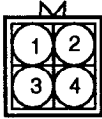
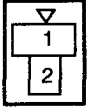

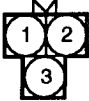
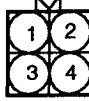

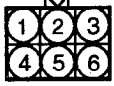
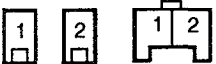


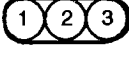
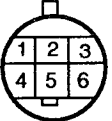
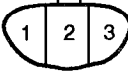
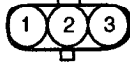
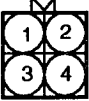
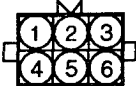

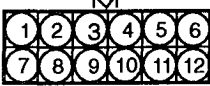

C21 ~ D16

<p>C21</p>  <p>CC04-003F</p>	<p>C22</p>  <p>CC06-003F</p>	<p>C25</p>  <p>CC02-005F</p>	<p>C28</p>  <p>CC02-013F</p>
<p>C29</p>  <p>CC03-004F</p>	<p>C30</p>  <p>CC01-004F/004M</p>	<p>BLANK</p>	<p>C51</p> 
<p>D01</p>  <p>CC03-008F</p>	<p>D02</p>  <p>CC02-004F</p>	<p>D03</p>  <p>CC13-001F</p>	<p>D04</p>  <p>CC09-004F</p>
<p>D05</p>  <p>CC02-003F</p>	<p>D06</p>  <p>CC04-006F</p>	<p>D07</p>  <p>CC01-002F</p>	<p>D08</p>  <p>CC04-007M</p>
<p>D09</p>  <p>CC04-007M</p>	<p>D10</p>  <p>CC01-002F</p>	<p>D11</p>  <p>CC03-008F</p>	<p>D12</p>  <p>CC02-004F</p>
<p>D13</p>  <p>CC07-003F</p>	<p>BLANK</p>	<p>D15</p>  <p>CC02-003F</p>	<p>D16</p>  <p>CC04-006F</p>



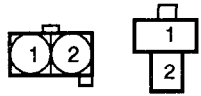


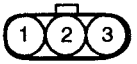
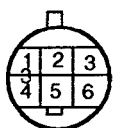
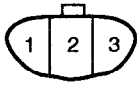


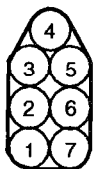
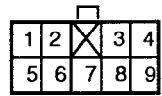
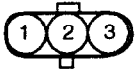


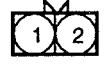

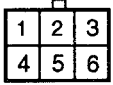
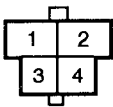



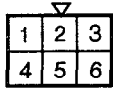
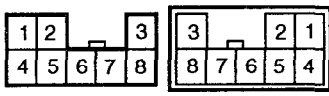
D17 ~ E05

D17  CC01-002F	D18  CC04-007M	D19  CC04-007M	D20  CC01-002F
D21  CC02-005F	D22 BLANK	D23 BLANK	D24 BLANK
D31  CC07-003F	D32  CC02-003F	D33  CC04-002F	D34 BLANK
D41  CC07-003F	D42  CC02-003F	D43  CC04-013F	D44 BLANK
E01 BLANK	E02-1  CC20-001F		E02-2  CC13-001F
E02-3  CC13-001F	E03  CC02-007M	E04  CC04-006F	E05  CC04-006F




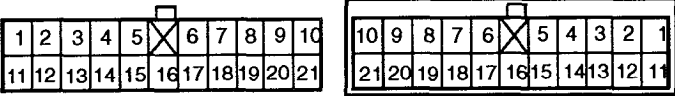
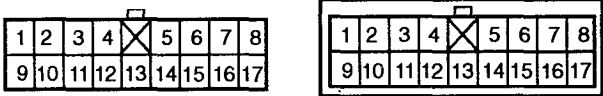
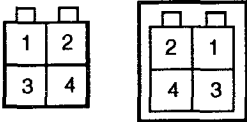
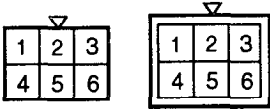
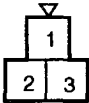
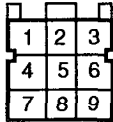
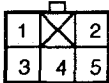
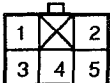
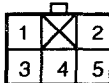
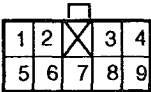
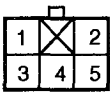


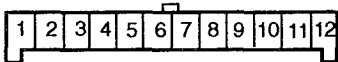
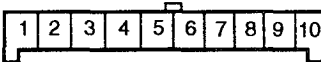
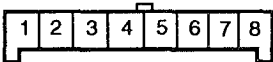
E06 ~ E29

<p>E06</p>  <p>CC04-006F</p>	<p>E07</p>  <p>CC04-006F</p>	<p>E08</p>  <p>CC04-006F</p>	<p>E09</p>  <p>CC04-003F</p>
<p>E10</p>  <p>CC02-006M</p>	<p>E11</p>  <p>CC03-004F</p>	<p>E12</p>  <p>CC02-007F</p>	<p>E13</p>  <p>CC04-002F</p>
<p>E14</p>  <p>CC02-003F</p>	<p>E15</p> <p>BLANK</p>	<p>E16</p>  <p>CC06-003F</p>	<p>E17</p> <p>BLANK</p>
<p>E18</p>  <p>CC01-003F</p>	<p>E19</p>  <p>CC02-003M</p>	<p>E20</p>  <p>CC02-007F</p>	<p>E21</p>  <p>CC02-007F</p>
<p>E22</p>  <p>CC06-001F</p>	<p>E23</p>  <p>CC03-015F</p>	<p>E24</p>  <p>CC03-002F</p>	<p>E25</p>  <p>CC04-002F</p>
<p>E26</p>  <p>CC04-002M</p>	<p>E27</p>  <p>CC02-007F</p>	<p>E28</p>  <p>CC12-011F</p>	<p>E29</p>  <p>CC02-003F</p>


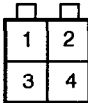
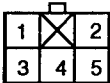


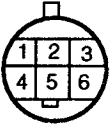


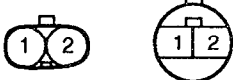


E30 ~ EI01

E30  CC01-008F	E31-1  CC01-014F	E31-2  CC02-008F	E32  CC01-003F
E33  CC02-013F	E34  CC02-013F	E35  CC06-001F	E36  CC03-015F
E37  CC02-013F	E38  CC01-003F	E39  CC07-001F	E40  CC09-004F
E41  CC03-002F	E42  CC02-013F	E43  CC02-013F	E44  CC02-013F
E50  CC04-006F	E51  CC06-004F	E53  CC02-005F	E54  CC02-003F
E55  	E56  	E61  CC02-005F	EI01  CC06-002F/CC06-002M


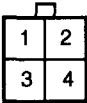

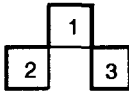
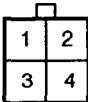
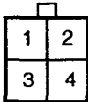
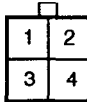
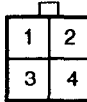


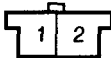
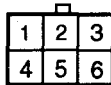

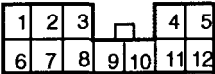
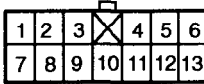
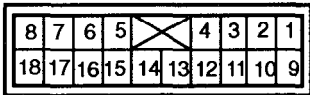
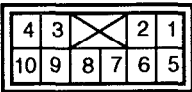
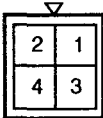

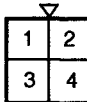
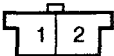



EI02 ~ I13-3

<p>EI02</p>  <p>CC03-007F/CC03-007M</p>	<p>EM01</p>  <p>CC02-011F/CC02-001M</p>	<p>EM02</p>  <p>CC14-001F/CC14-001M</p>	
<p>EM03</p>  <p>CC17-002F/CC17-002M</p>		<p>EM04</p>  <p>CC17-002F/CC17-002M</p>	
<p>EM05</p>  <p>CC04-002F/CC04-002M</p>	<p>EM07</p>  <p>CC06-002M</p>	<p>I01</p>  <p>CC03-013F</p>	<p>I02</p>  <p>CC09-003F</p>
<p>I03</p> <p>BLANK</p>	<p>I06</p>  <p>CC05-003F</p>	<p>I07</p>  <p>CC05-003F</p>	<p>I08</p>  <p>CC05-003F</p>
<p>I09</p>  <p>CC09-004F</p>	<p>I10</p>  <p>CC05-003F</p>	<p>I11</p>  <p>CC04-013F</p>	<p>I12</p>  <p>CC02-005F</p>
<p>I13-1</p>  <p>CC12-004F</p>		<p>I13-2</p>  <p>CC10-007F</p>	<p>I13-3</p>  <p>CC08-006F</p>

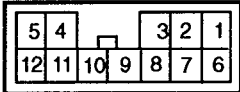
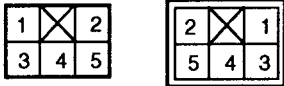



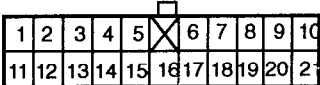
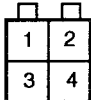

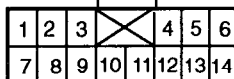


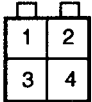
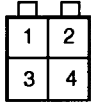

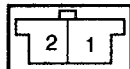
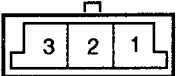

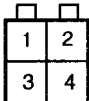





I13-4 ~ M12

<div>I13-4</div> <div> CC01-003F</div>	<div>I14</div> <div>BLANK</div>	<div>I15</div> <div>BLANK</div>	<div>I16</div> <div>BLANK</div>
<div>I17</div> <div>BLANK</div>	<div>I18</div> <div>BLANK</div>	<div>I19</div> <div>BLANK</div>	<div>I20</div> <div> CC04-007M</div>
<div>I20-1</div> <div> CC05-003F</div>	<div>M01-1</div> <div>BLANK</div>	<div>M01-2</div> <div>BLANK</div>	<div>M01-3</div> <div>BLANK</div>
<div>M01-4</div> <div>BLANK</div>	<div>M02</div> <div> CC01-003F</div>	<div>M03</div> <div>BLANK</div>	<div>M04</div> <div> CC01-015F</div>
<div>M05</div> <div> CC06-001F</div>	<div>M06</div> <div> CC02-003F</div>	<div>M07</div> <div> CC01-014F</div>	<div>M08</div> <div> CC02-003F</div>
<div>M09</div> <div> CC01-008F</div>	<div>M10</div> <div> CC02-005F</div>	<div>M11</div> <div>BLANK</div>	<div>M12</div> <div>BLANK</div>

M13 ~ M32

<div>M13</div> <div></div> <div>CC02-004F</div>	<div>M14</div> <div></div> <div>CC04-006F</div>	<div>M15</div> <div></div> <div>CC04-006F</div>	<div>M16</div> <div></div> <div>CC03-012F</div>
<div>M17</div> <div></div> <div>CC04-006F</div>	<div>M18</div> <div></div> <div>CC04-006F</div>	<div>M19</div> <div></div> <div>CC04-006F</div>	<div>M20</div> <div></div> <div>CC04-006F</div>
<div>M21</div> <div></div> <div>CC18-001F</div>	<div>M22</div> <div></div> <div>CC02-005F</div>	<div>M23</div> <div></div> <div>CC01-002F</div>	<div>M24</div> <div></div> <div>CC06-004F</div>
<div>M25</div> <div></div> <div>CC02-005F</div>	<div>M26-1</div> <div></div> <div>CC12-003F</div>	<div>M26-2</div> <div></div> <div>CC13-001F</div>	<div>M26-3</div> <div></div> <div>CC18-001F</div>
<div>M26-4</div> <div></div> <div>CC10-001F</div>	<div>M26-5</div> <div></div> <div>CC04-001F</div>	<div>M27</div> <div></div> <div>CC02-005F</div>	<div>M28</div> <div></div> <div>CC04-013F</div>
<div>M29</div> <div></div> <div>CC01-002F</div>	<div>M30</div> <div></div> <div>CC02-006F</div>	<div>M31</div> <div></div> <div>CC02-007M</div>	<div>M32</div> <div></div> <div>CC02-005F</div>

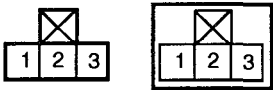


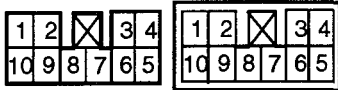
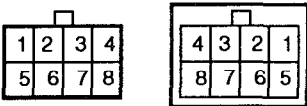
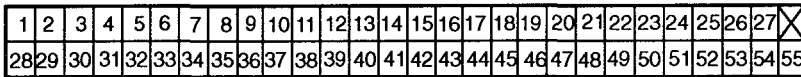


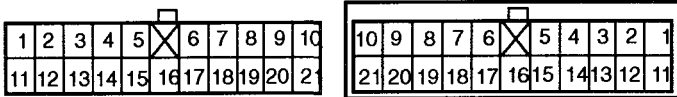
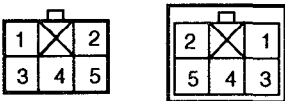

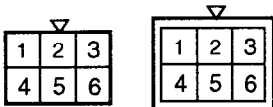


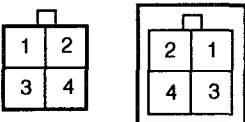
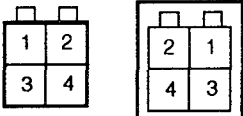

M33 ~ M57

M33  CC12-003M	M34  CC05-001F/CC05-001M	M35  CC09-002F	M36  CC01-001F
M37  CC02-005F	M38  CC21-001F	M39 BLANK	M41  CC04-007F
M42  CC06-004F	M43  CC14-004F	M44  CC03-006F	M45  CC04-007F
M46  CC04-007F	M47  CC04-007F	M48  CC11-002F	M49  CC01-002M
M50  CC03-007M	M51  CC11-002F	M52  CC04-007F	M53  CC01-003F
M54  CC02-004F	M55  CC02-005F	M56  CC02-005F	M57  CC02-004F


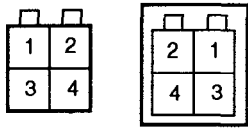
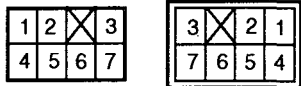
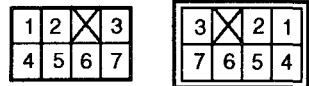
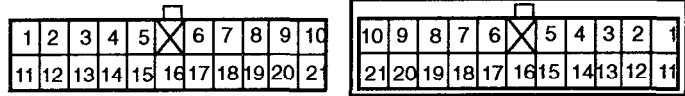
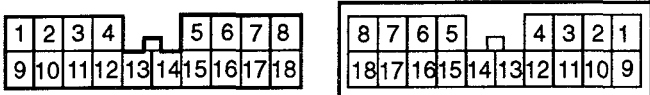
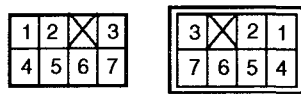
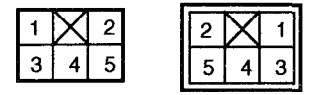
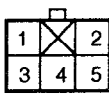


M58 ~ M81

M58	M59	M60	M61
<div><div>1</div><div>2</div></div> <div>CC02-005F</div>	BLANK	<div><div><div>1</div><div>2</div></div><div><div>3</div><div>4</div></div></div> <div>CC04-007F</div>	<div><div>1</div><div>2</div></div> <div>CC02-005F</div>
M62	M63	M64	M65
<div><div><div>1</div><div>2</div><div>3</div></div><div><div>4</div><div>5</div><div>6</div></div></div> <div>CC06-009F</div>	<div><div><div>1</div><div>2</div><div>3</div></div><div><div>4</div><div>5</div><div>6</div></div></div> <div>CC06-009F</div>	<div><div>1</div><div>2</div></div> <div>CC01-002F</div>	<div><div>1</div><div>2</div></div> <div>CC02-005F</div>
M66	M67	M68	M70
<div><div>1</div><div>2</div></div> <div>CC01-002F</div>	<div><div>1</div><div>2</div></div> <div>CC02-012F</div>	<div><div>1</div><div>2</div></div> <div>CC01-002F</div>	<div><div><div>2</div><div>1</div></div><div><div>4</div><div>3</div></div></div> <div>CC04-002F</div>
M71	M72	M73	M74
<div><div>1</div><div>2</div></div> <div>CC01-002F</div>	<div><div><div>1</div><div>2</div><div>3</div></div><div><div>3</div><div>4</div><div>5</div></div></div> <div><div><div>2</div><div>1</div><div>5</div></div><div><div>5</div><div>4</div><div>3</div></div></div> <div>CC05-001F/CC05-001M</div>	<div><div>1</div><div>2</div></div> <div>CC01-002F</div>	BLANK
M75	M76	M77	M78
BLANK	<div><div><div>1</div><div>2</div><div>3</div></div><div><div>4</div><div>5</div><div>6</div></div></div> <div>CC06-004F</div>	<div><div><div>1</div><div>2</div><div>3</div></div><div><div>4</div><div>5</div><div>6</div></div></div> <div>CC06-004F</div>	<div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div></div></div> <div>CC09-002F</div>
M79	M80	M81	
<div><div>1</div><div>2</div></div> <div>CC08-006F</div>	<div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div></div></div> <div>CC09-002M</div>	<div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div><div>11</div><div>12</div></div><div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div><div>19</div><div>20</div><div>21</div><div>22</div><div>23</div><div>24</div><div>25</div><div>26</div></div></div> <div>CC26-002M</div>	

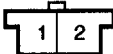
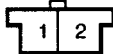
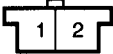
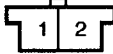

M82 ~ MD05

<div>M82</div> <div></div> <div>CC03-001F</div>	<div>M83</div> <div></div> <div>CC02-001F</div>	<div>M84</div> <div></div> <div>CC02-012F</div>	<div>M91</div> <div></div> <div>CC10-001F</div>
<div>M92</div> <div></div> <div>CC08-001F</div>	<div>M93</div> <div></div> <div>CC55-001F</div>		
<div>M94</div> <div></div> <div>CC02-023F</div>	<div>M95</div> <div></div> <div>CC02-023F</div>	<div>MC01</div> <div></div> <div>CC21-001F/CC21-001M</div>	
<div>MC02</div> <div></div> <div>CC05-001F/CC05-001M</div>	<div>MC03</div> <div></div> <div>CC01-002F/CC01-002M</div>		<div>MC04</div> <div></div> <div>CC07-002F/CC07-002M</div>
<div>MD01</div> <div></div> <div>CC14-001F/001M</div>		<div>MD02</div> <div></div> <div>CC09-004F/CC09-004M</div>	
<div>MD03</div> <div></div> <div>CC04-006F/CC04-006M</div>	<div>MD04</div> <div></div> <div>CC04-007F/007M</div>	<div>MD05</div> <div></div> <div>CC14-001F/001M</div>	

MD06 ~ R10

<p>MD06</p>  <p>CC01-002F/CC01-002M</p>	<p>MD07</p>  <p>CC04-007F/007M</p>	<p>MD08</p>  <p>CC07-001F/CC07-001M</p>	<p>MD09</p>  <p>CC07-001F/CC07-001M</p>
<p>MD10</p> <p>BLANK</p>	<p>MD11</p> <p>BLANK</p>	<p>MI01</p>  <p>CC21-001F/CC21-001M</p>	
<p>MI02</p>  <p>CC18-001F/CC18-001M</p>		<p>MR01</p>  <p>CC07-002F/CC07-002M</p>	<p>MR02</p>  <p>CC07-002F/CC07-002M</p>
<p>BLANK</p>	<p>BLANK</p>	<p>R01</p>  <p>CC05-003F</p>	<p>R02</p>  <p>CC01-008F</p>
<p>R03</p>  <p>CC05-003F</p>	<p>R04</p> <p>BLANK</p>	<p>R05</p> <p>BLANK</p>	<p>R06</p> <p>BLANK</p>
<p>R07</p> <p>BLANK</p>	<p>R08</p> <p>BLANK</p>	<p>R09</p> <p>BLANK</p>	<p>R10</p> <p>BLANK</p>

R11 ~ R16

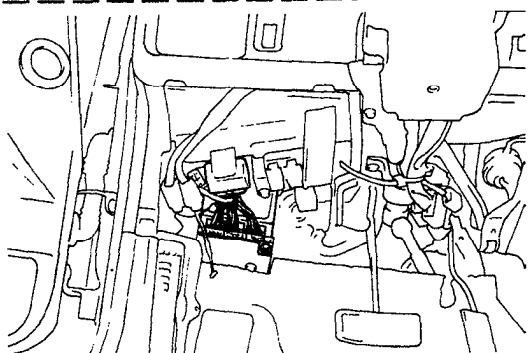
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<div>R15</div> <div></div> <div>CC02-005F</div>	<div>R16</div> <div>BLANK</div>	BLANK	BLANK

MEMO

MEMO

COMPONENTS (C01-1 ~ C12-4)

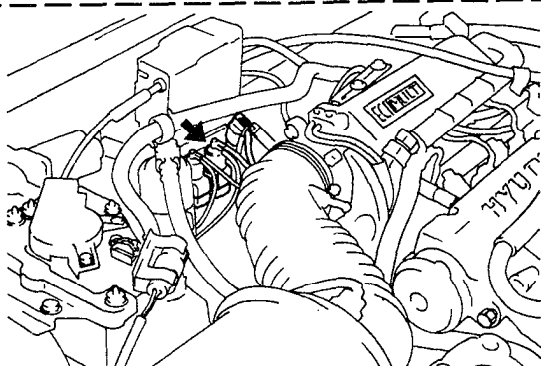
C01-1 ~ C01-3, C01-4 ~ C01-6



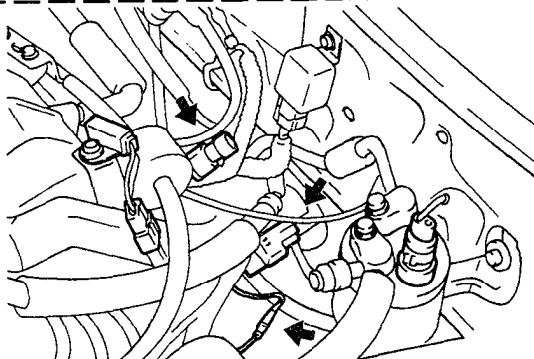
C02



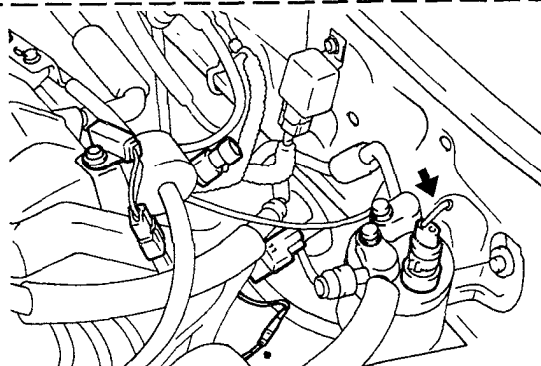
C03



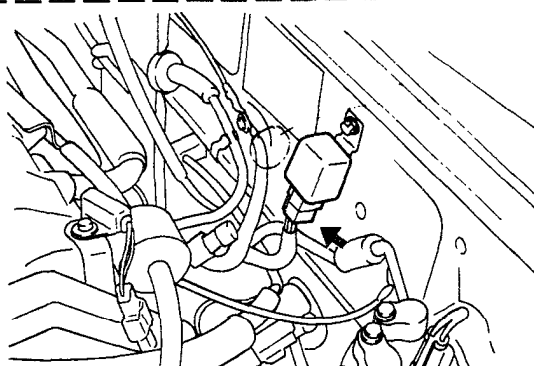
C04, C05, C08



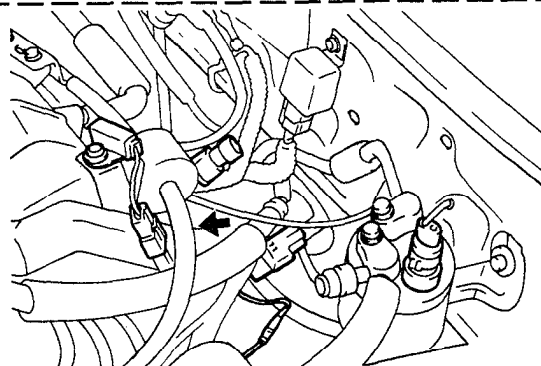
C06



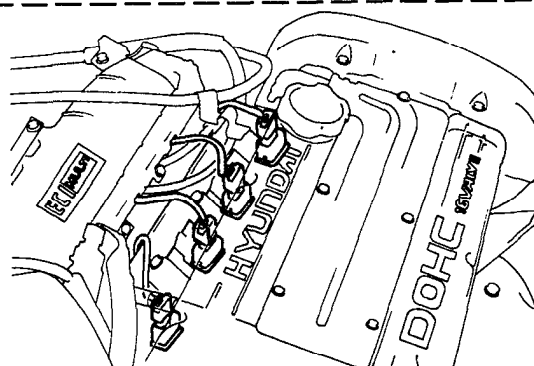
C07



C11

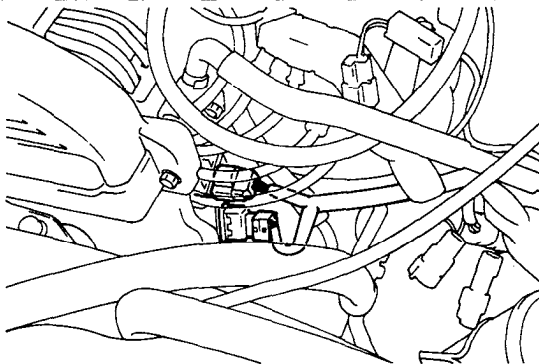


C12-1 ~ C12-4

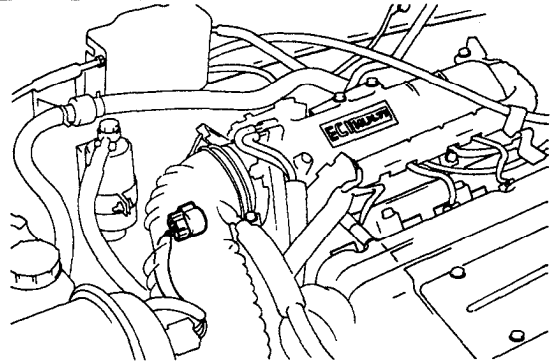


COMPONENTS (C13 ~ C25)

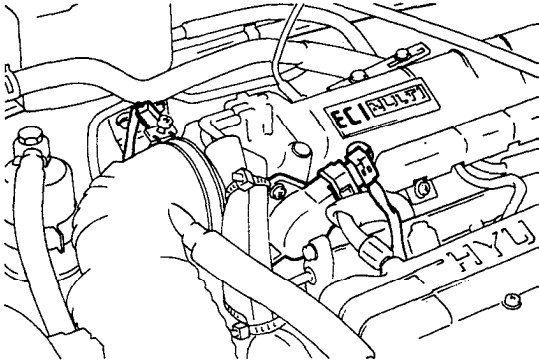
C13, C14



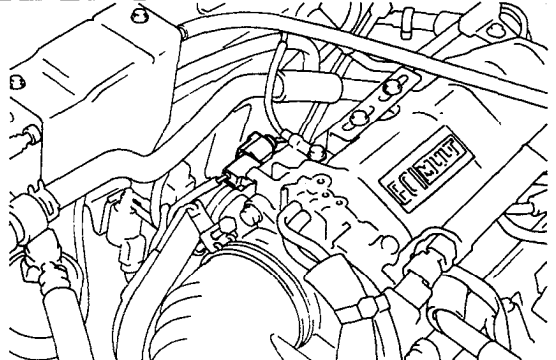
C15



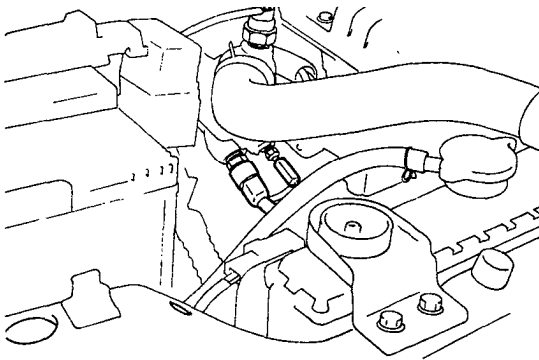
C17



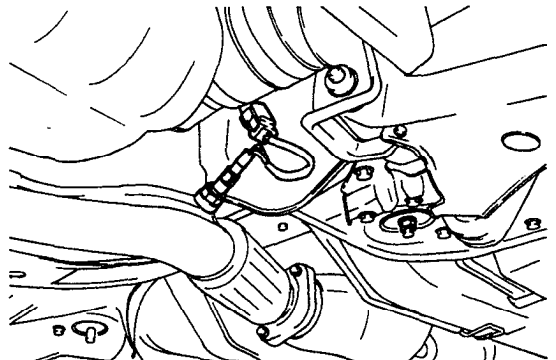
C18



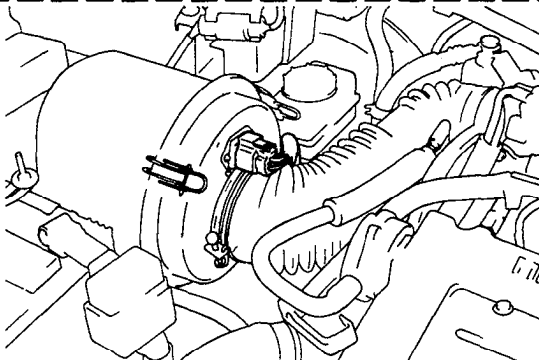
C19, C20



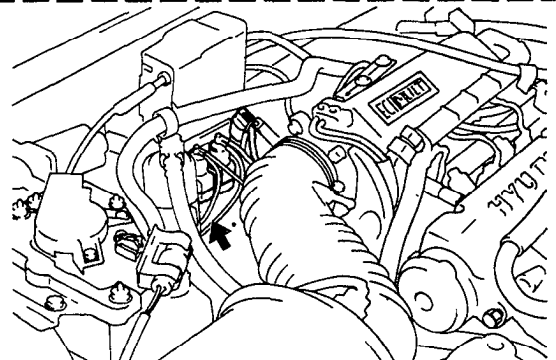
C21



C22

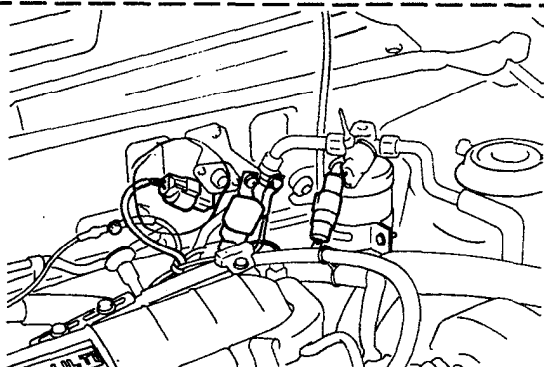


C25

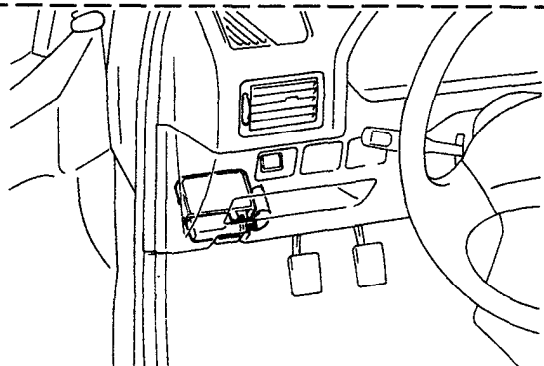


COMPONENTS (C28 ~ C47)

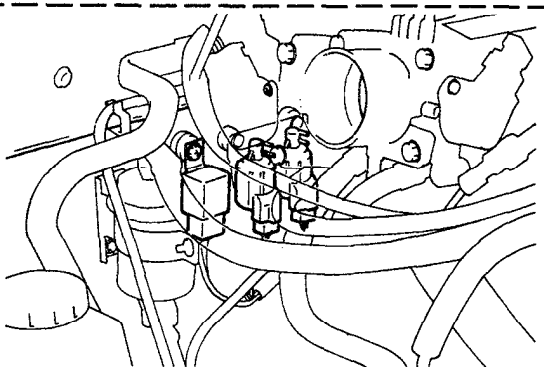
C28



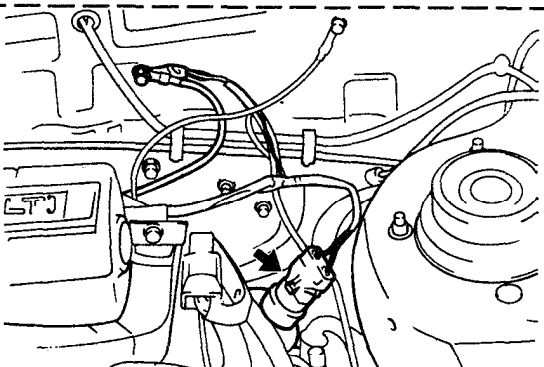
C40



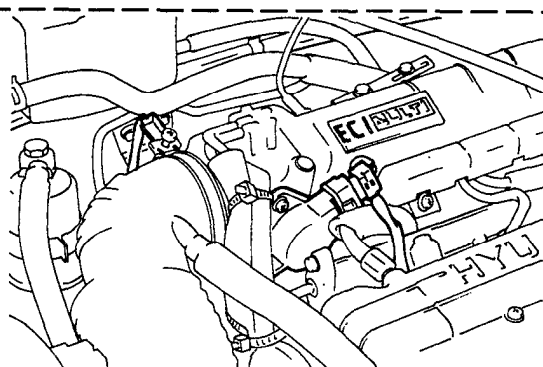
C43, C44, C85



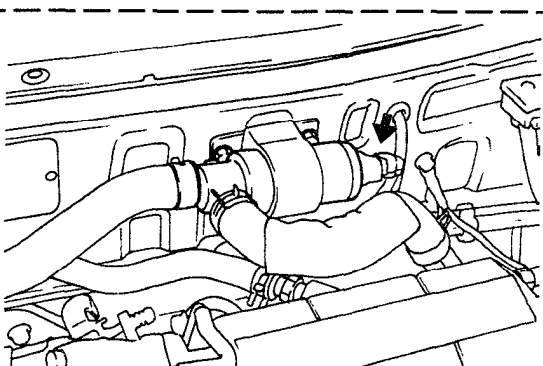
C46, C87



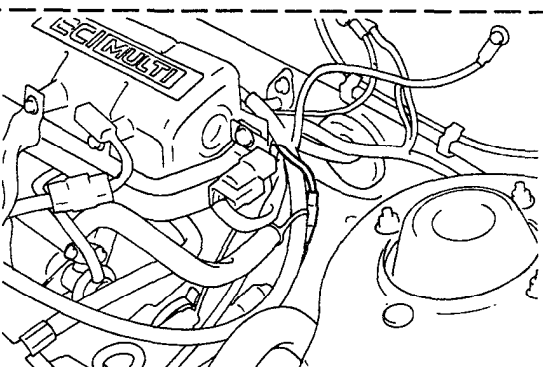
C30



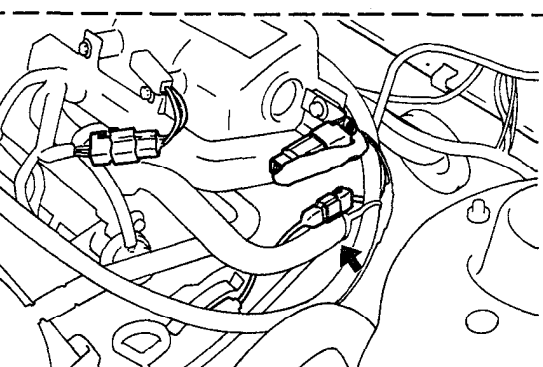
C42, C83



C45, C51, C91

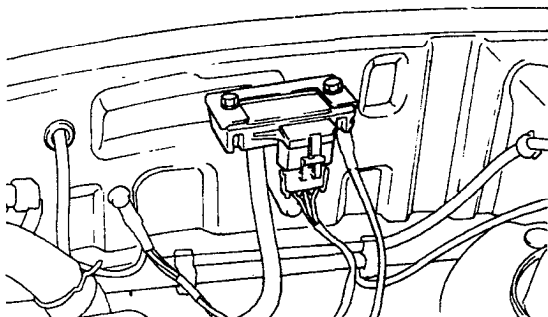


C47, C90

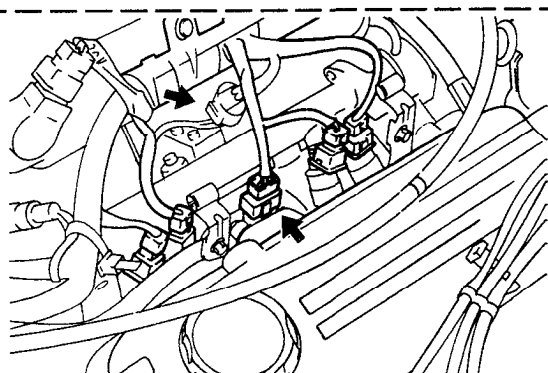


COMPONENTS (C48 ~ C80)

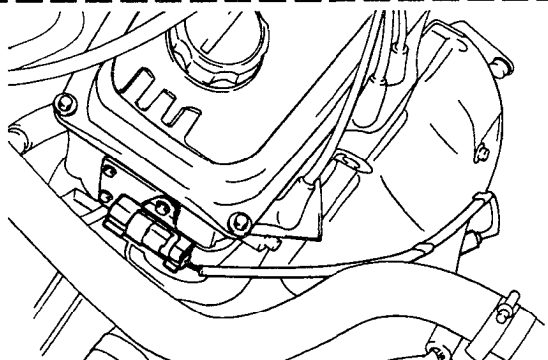
C48



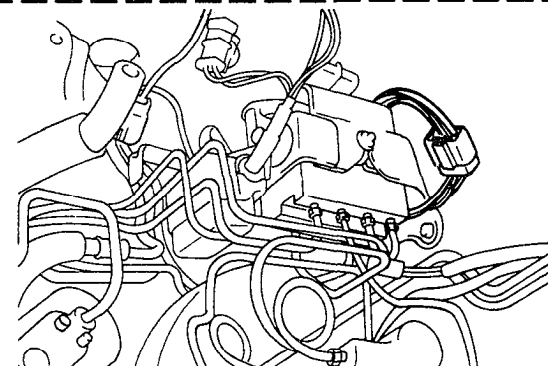
C54, C56, C94, C95



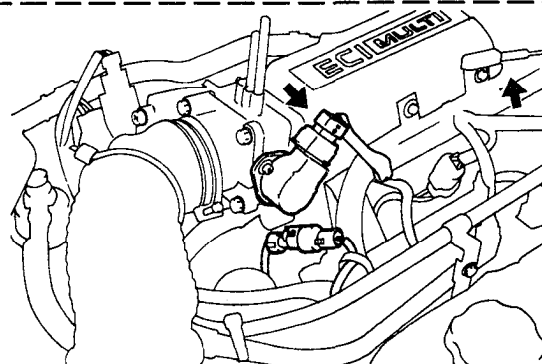
C60, C100



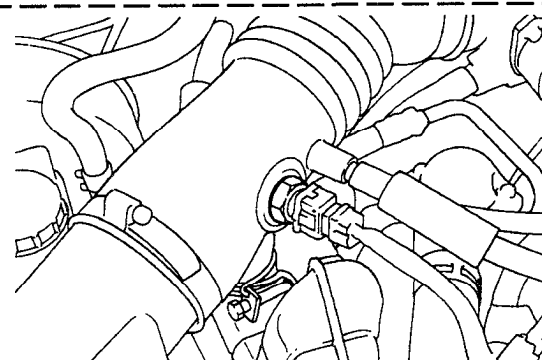
C71



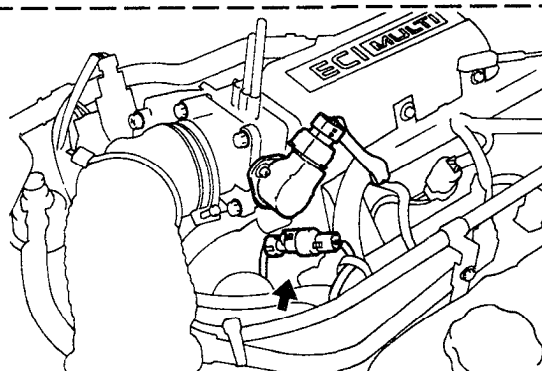
C52, C55, C92, C96



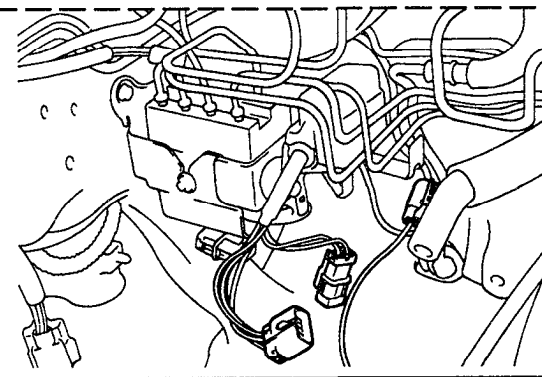
C59, C99



C61, C101

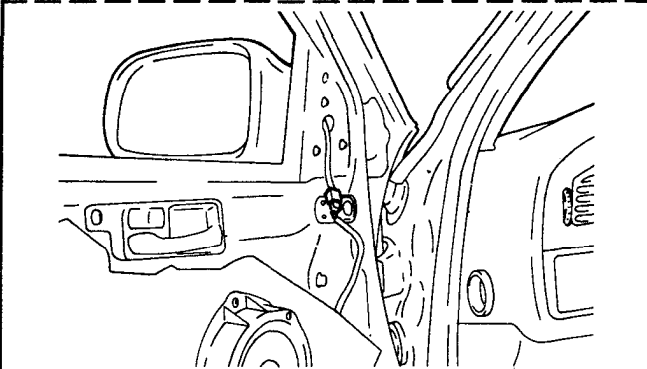


C72, C73, C80

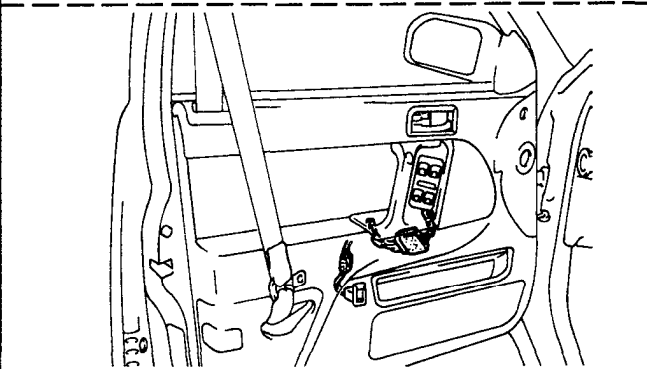


COMPONENTS (D01 ~ D10)

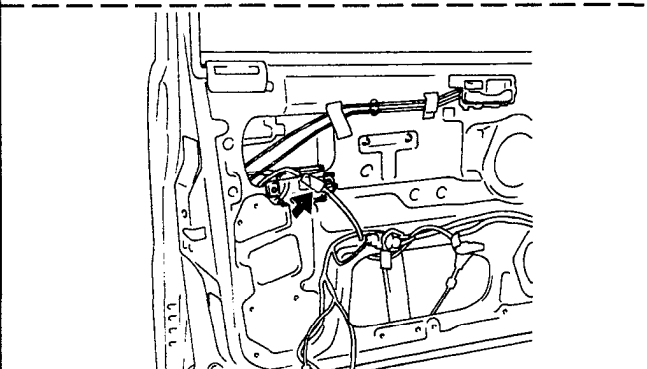
D01 (D11)



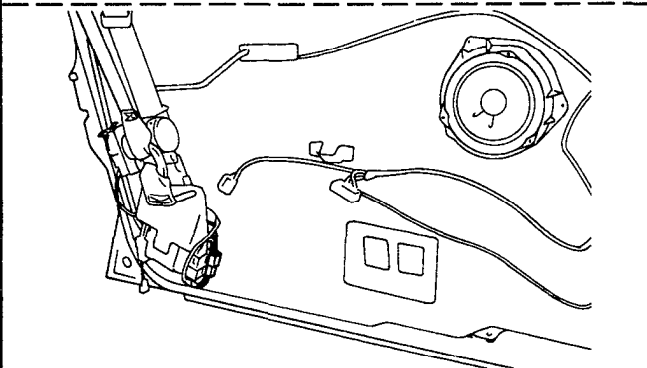
D03



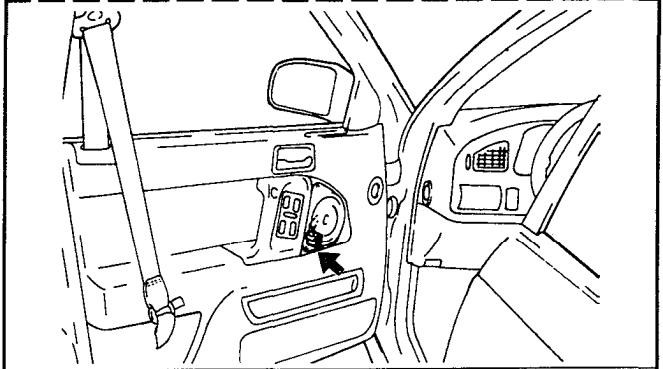
D06 (D16)



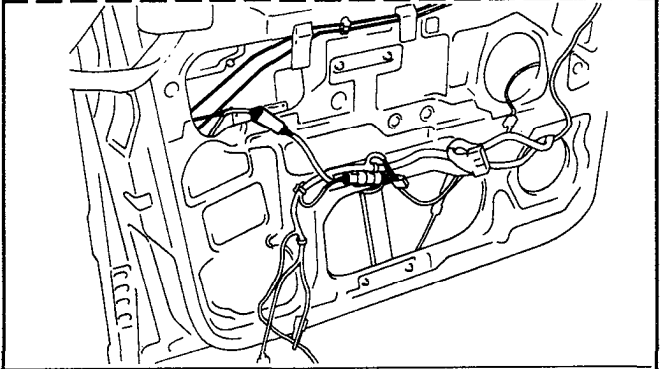
D09 (D19)



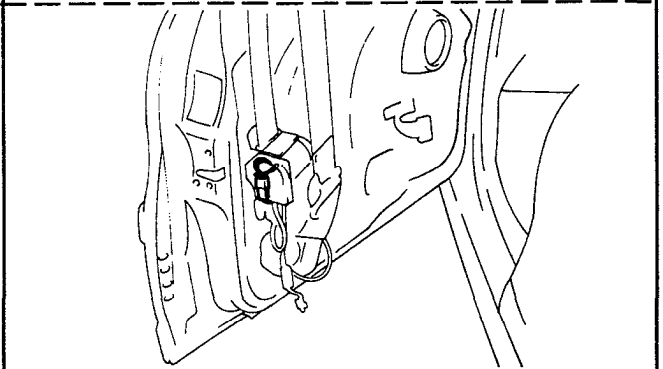
D02 (D12)



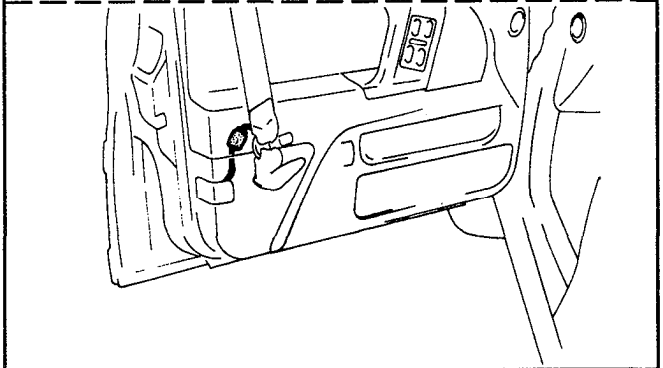
D05 (D15), D07 (D17)



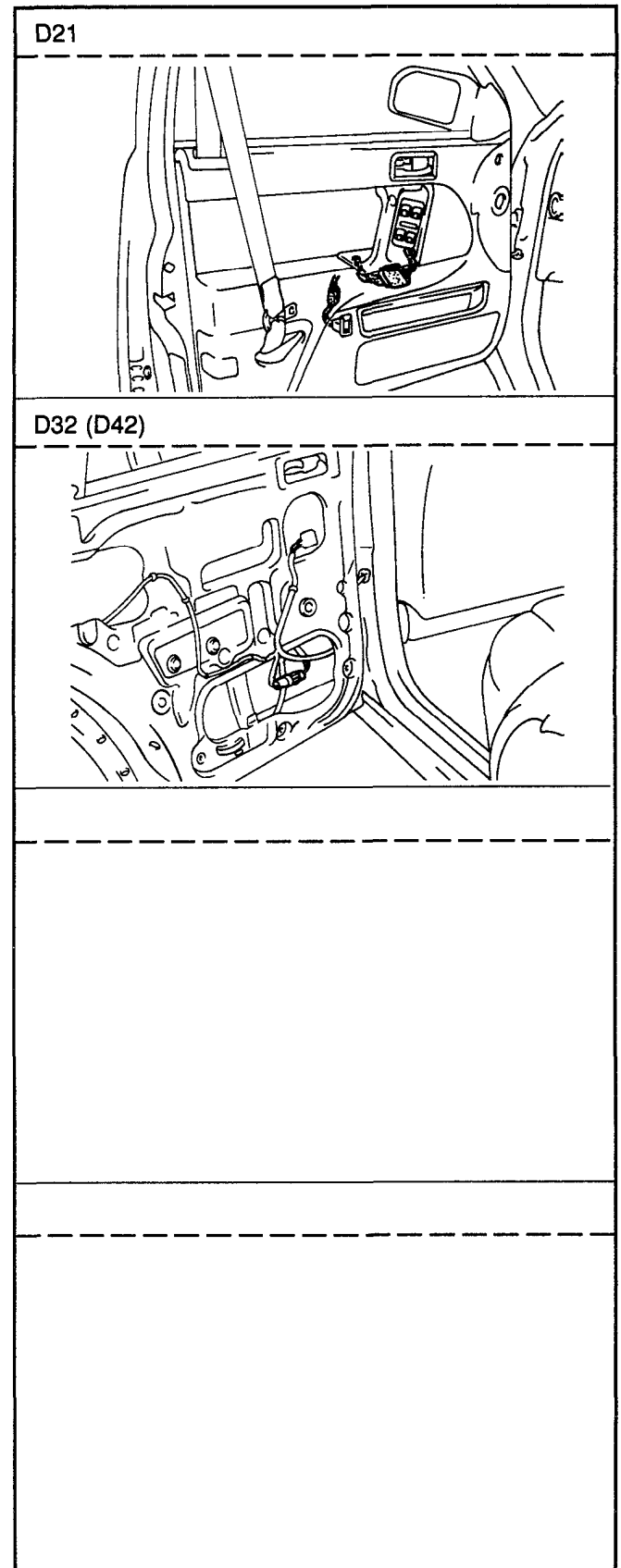
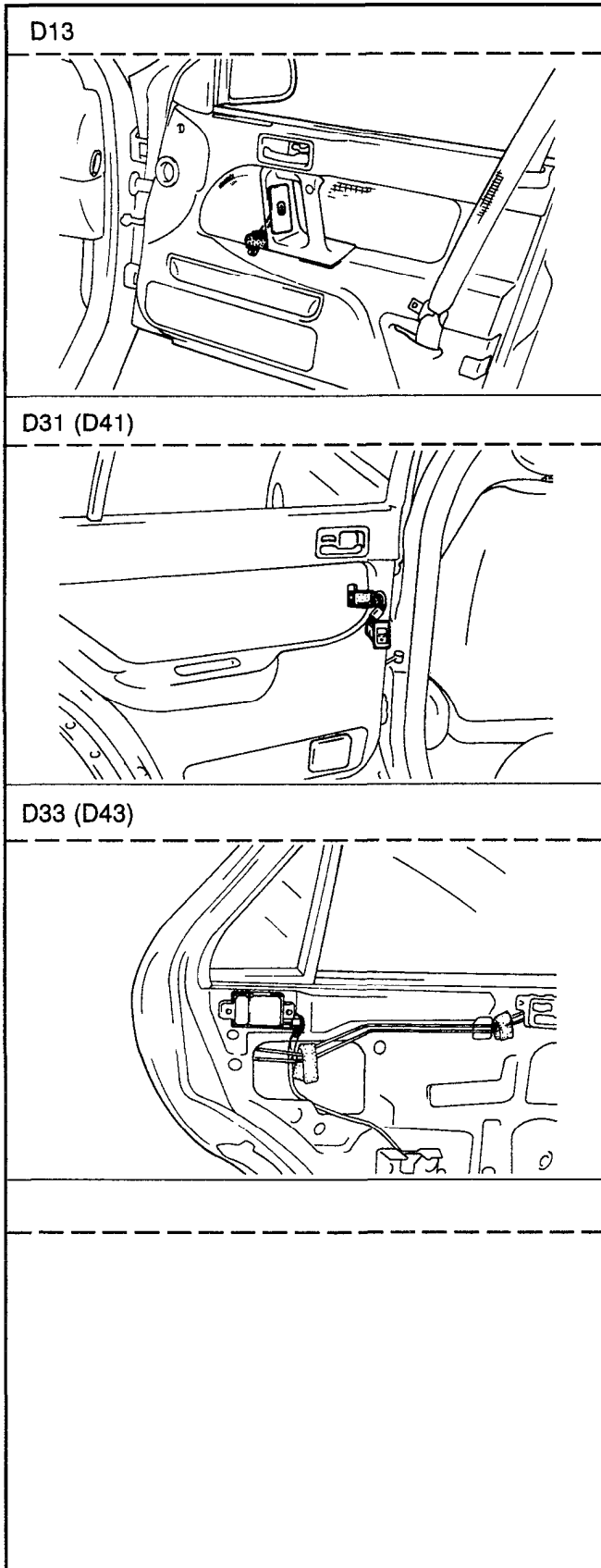
D08 (D18)



D10 (D20)

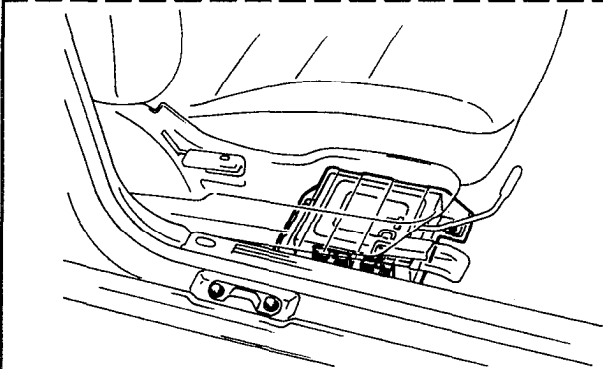


COMPONENTS (D13 ~ D33)

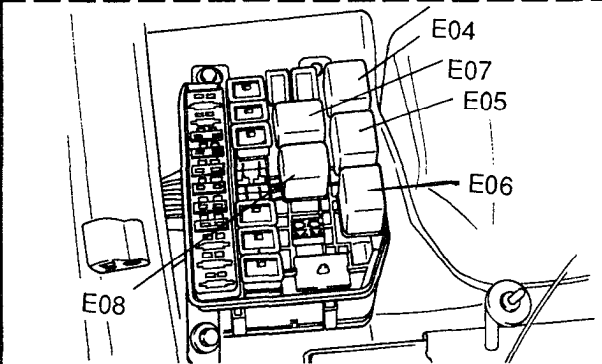


COMPONENTS (E02-1 ~ E23)

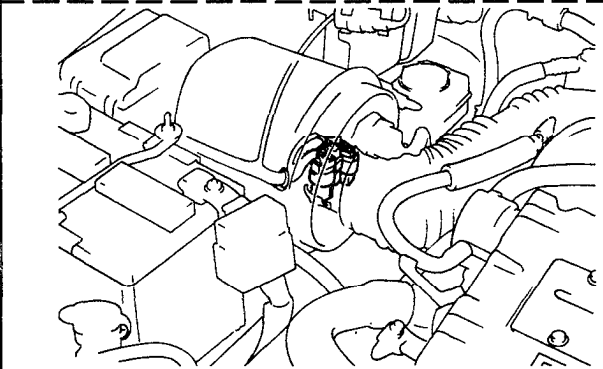
E02-1 ~ E02-2



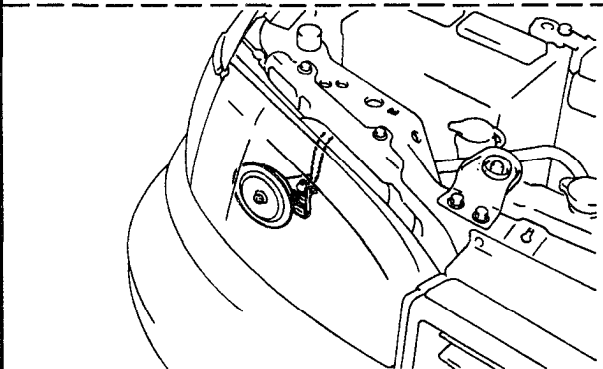
E04, E05, E06, E07, E08



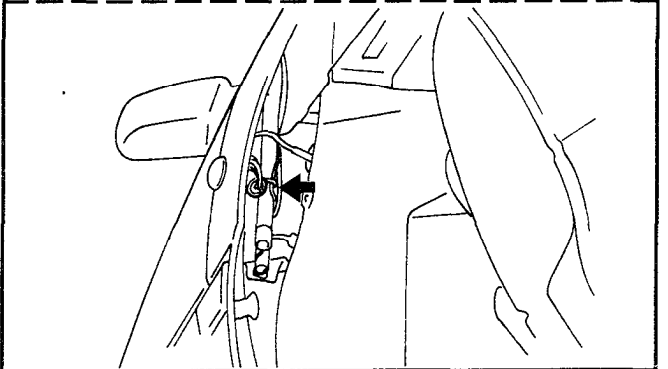
E11, E12, E13



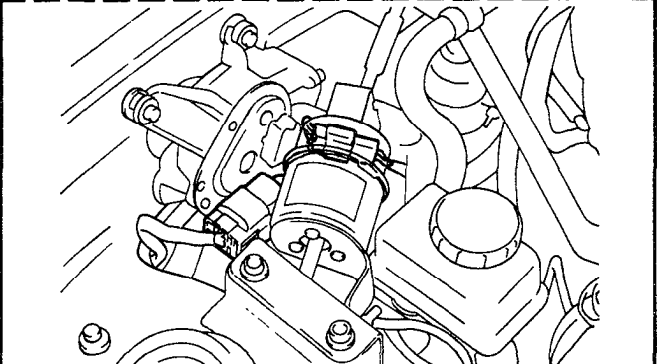
E18



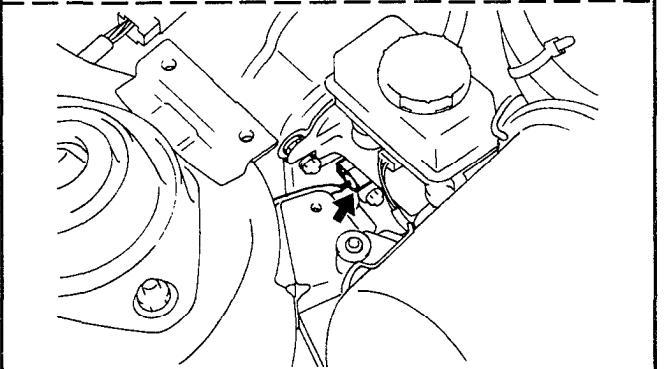
E03



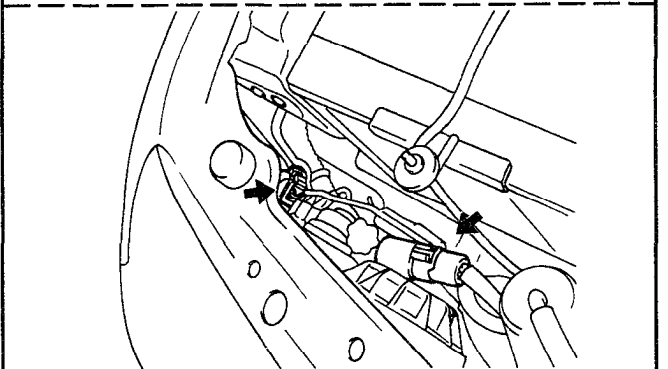
E09, E16



E14

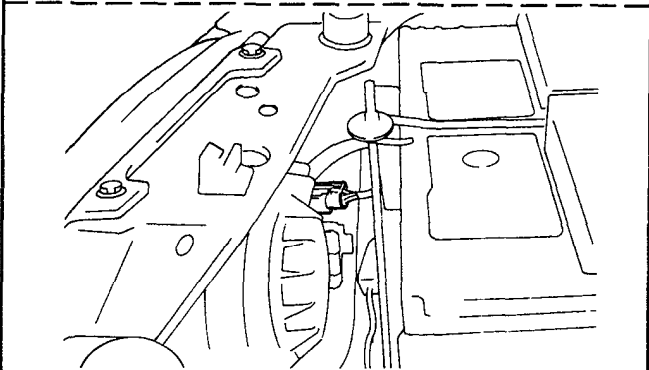


E20, E23

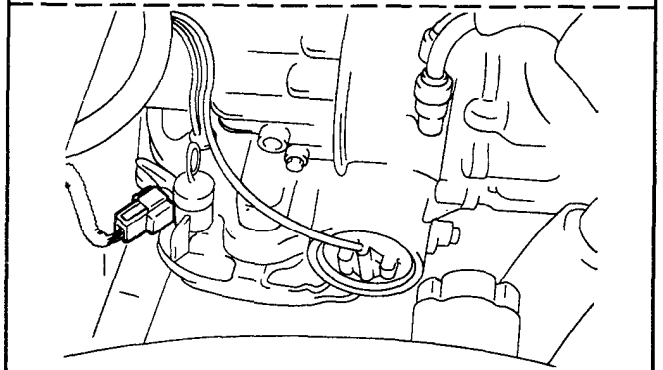


COMPONENTS (E24 ~ E31-2)

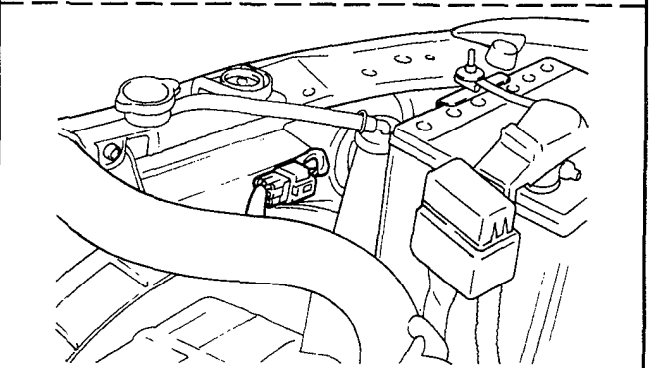
E24



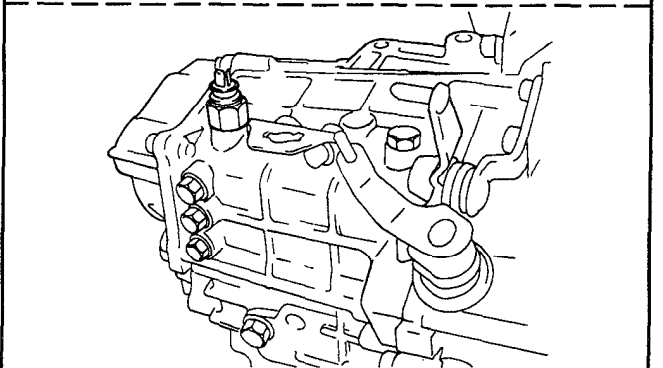
E25



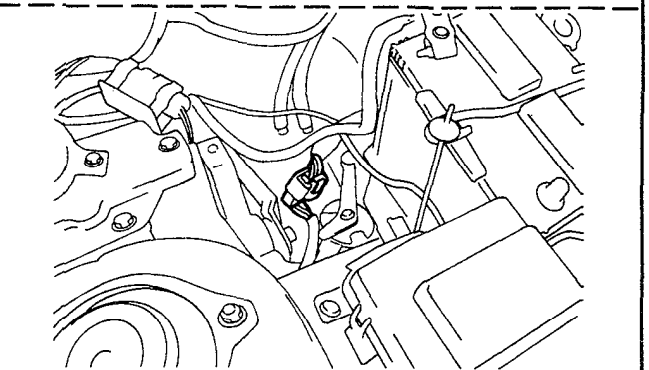
E26



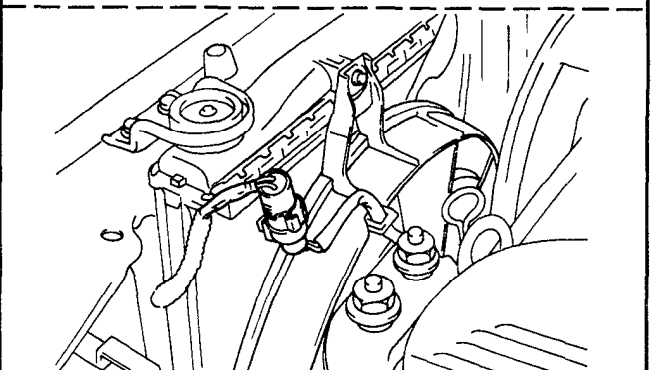
E27



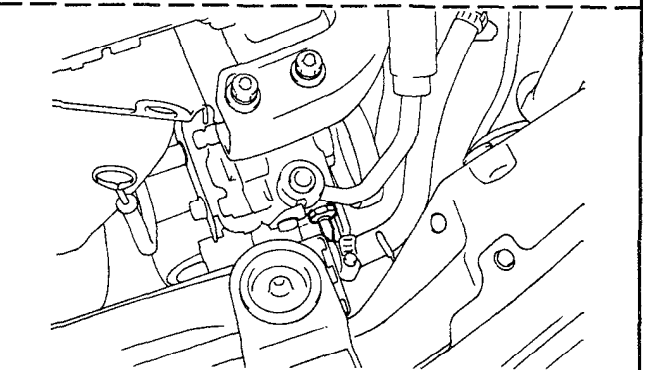
E28



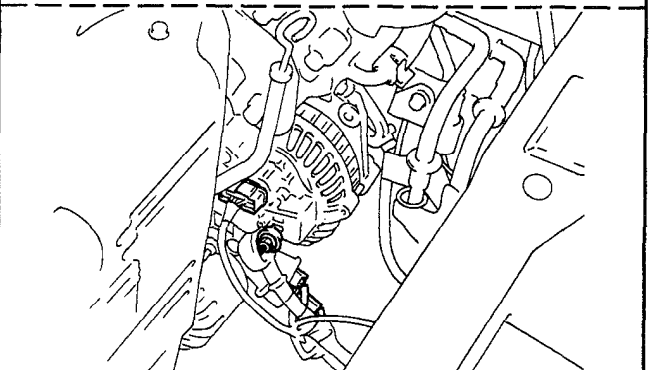
E29



E30

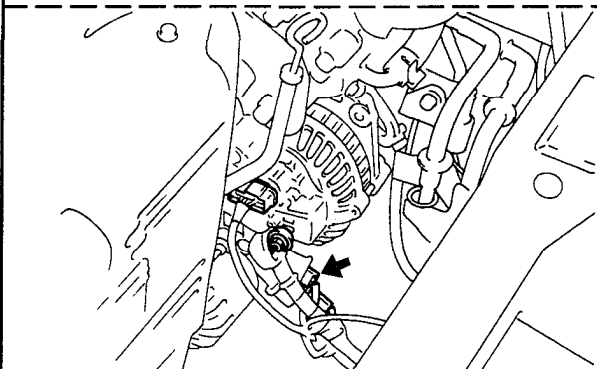


E31-1, E31-2

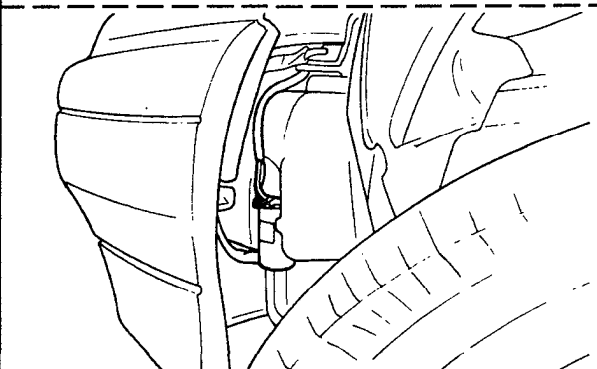


COMPONENTS (E32 ~ E44)

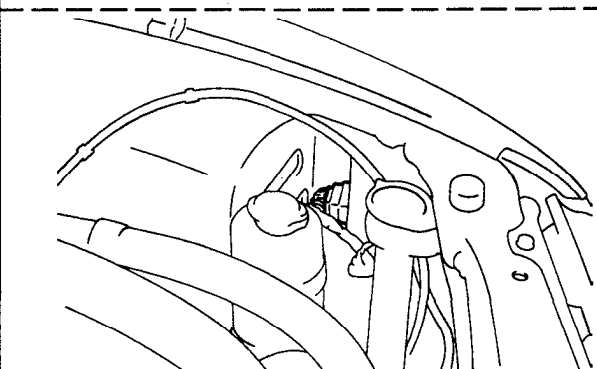
E32



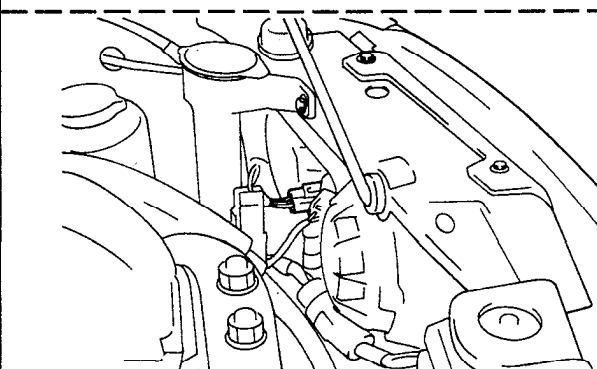
E37



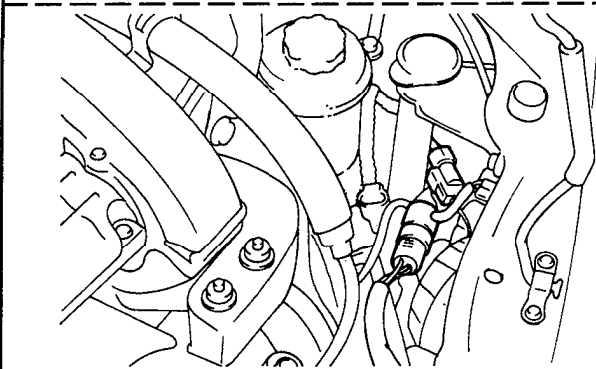
E39



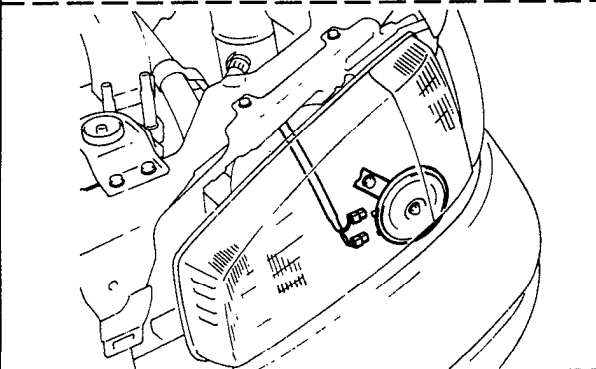
E41



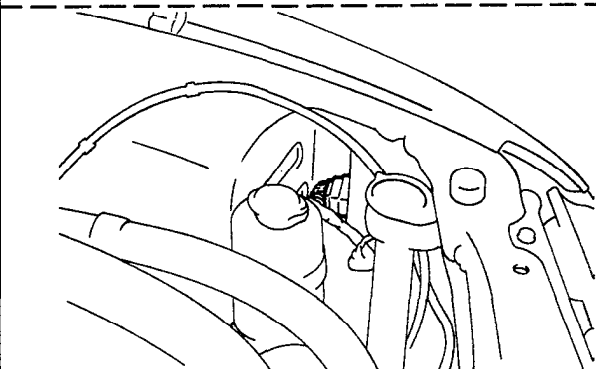
E33, E36



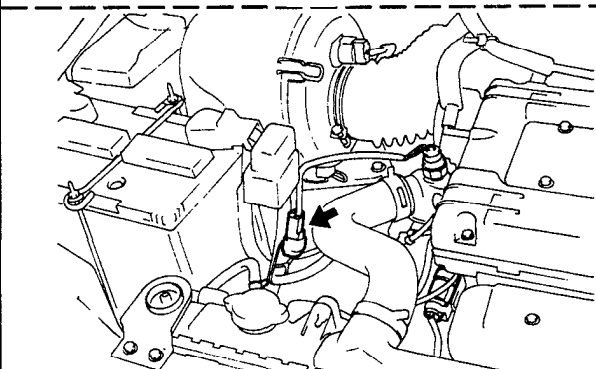
E38



E40

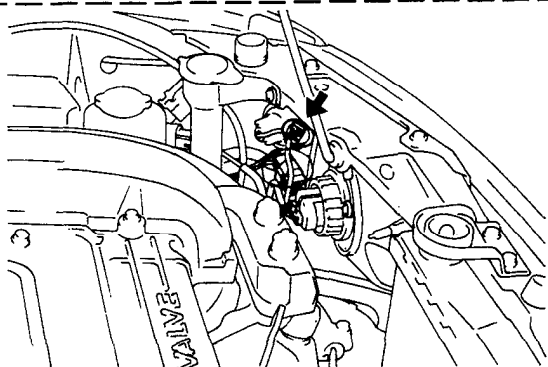


E44

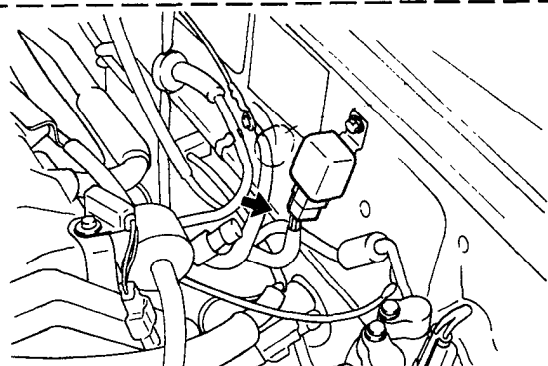


COMPONENTS (E50 ~ EM06)

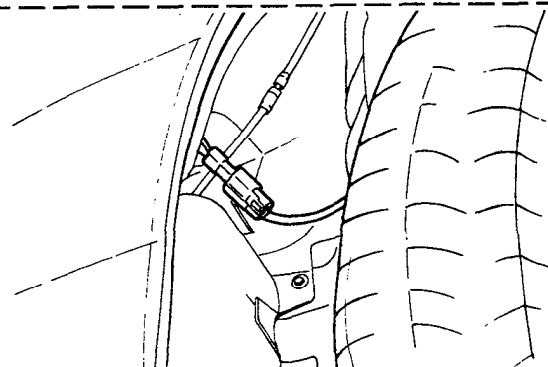
E50



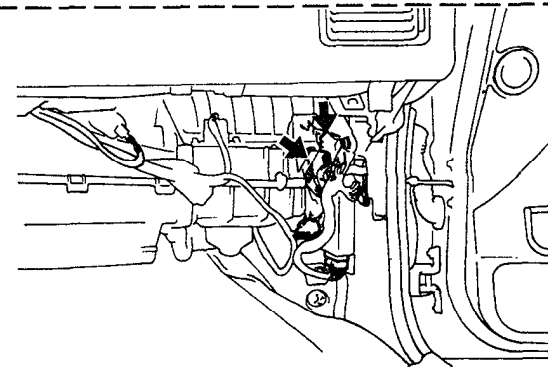
E53



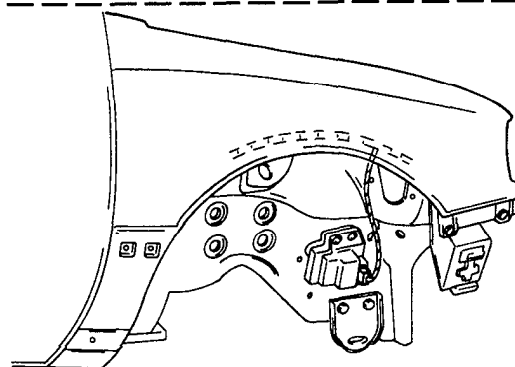
E56



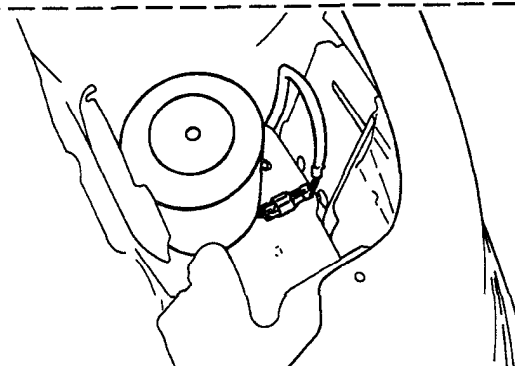
EM04, EM05



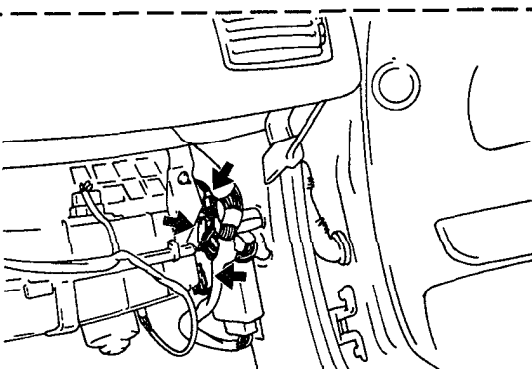
E51



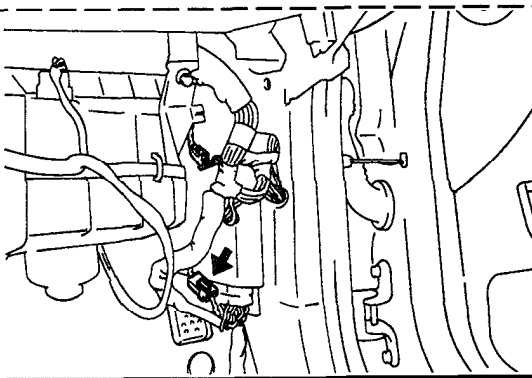
E55



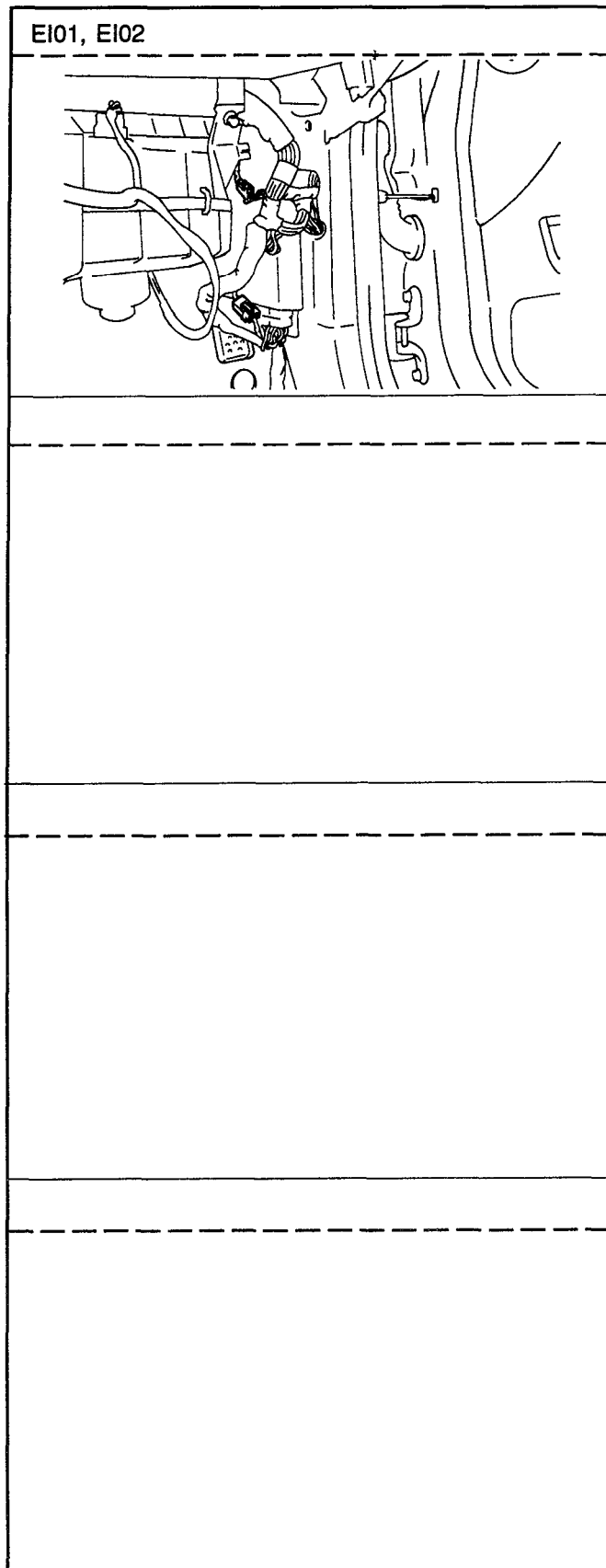
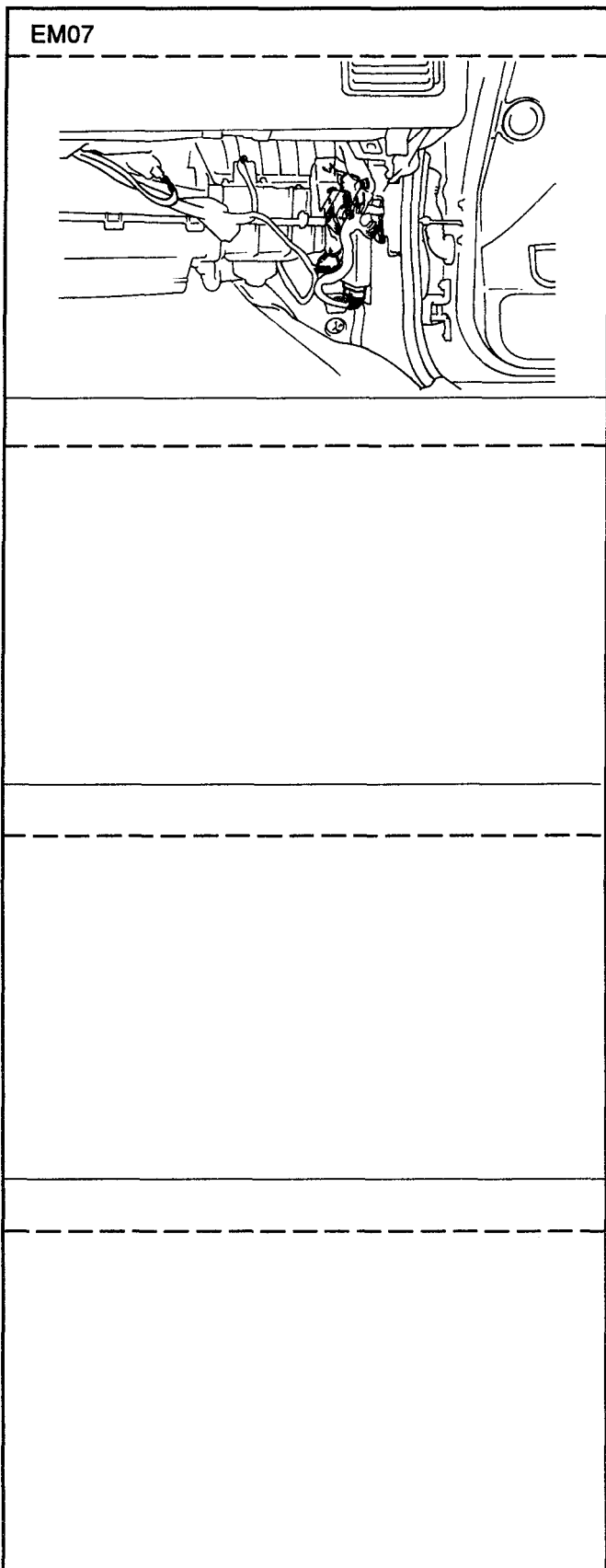
EM01 ~ EM03



EM06

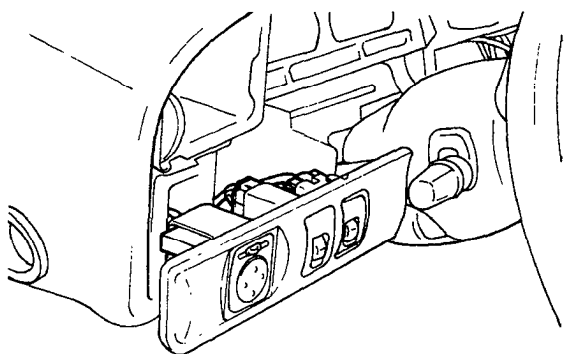


COMPONENTS (EM07 ~ EI02)

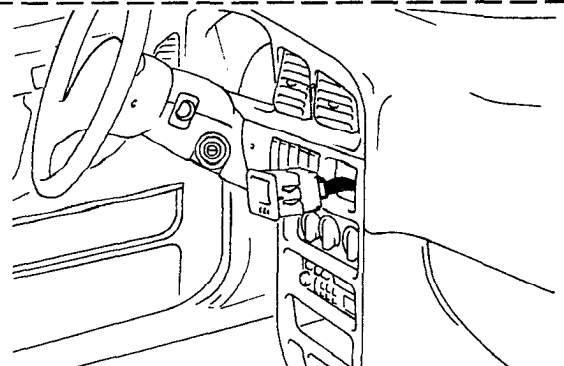


COMPONENTS (I01 ~ I20)

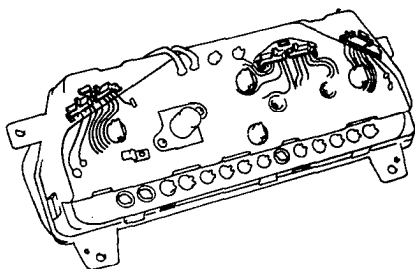
I01, I02



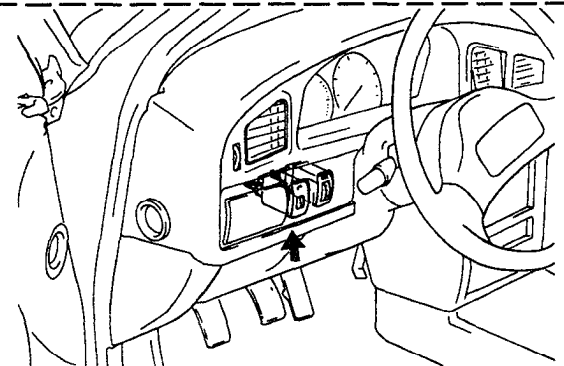
I11



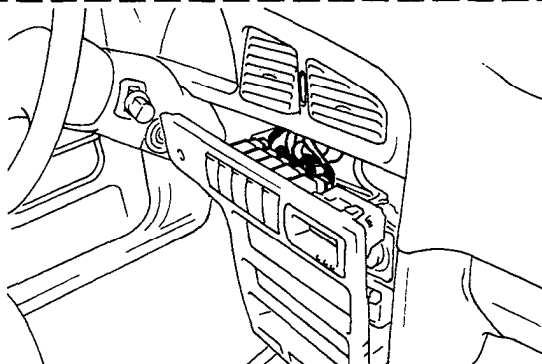
I13-1 ~ I13-3



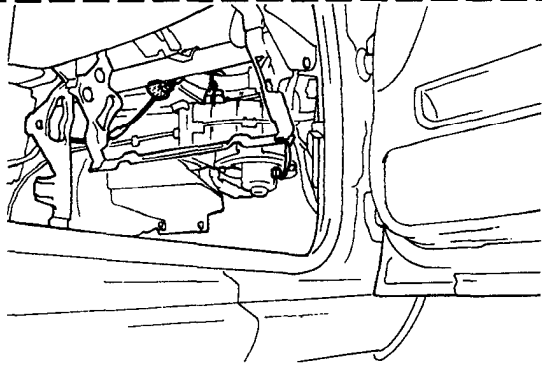
I20



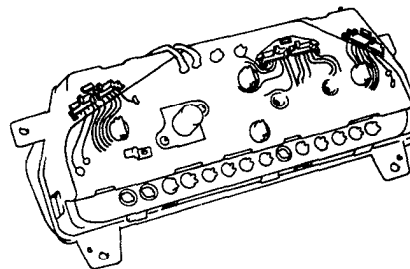
I06 ~ I10



I12

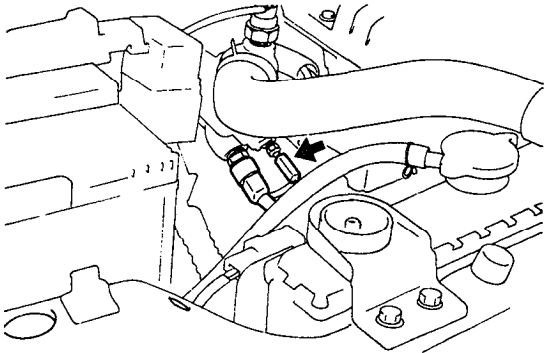


I13-4

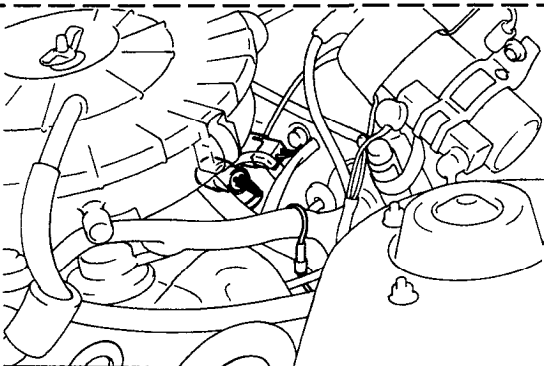


COMPONENTS (M02 ~ M22)

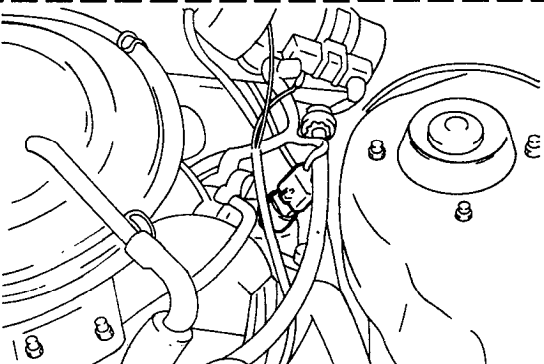
M02



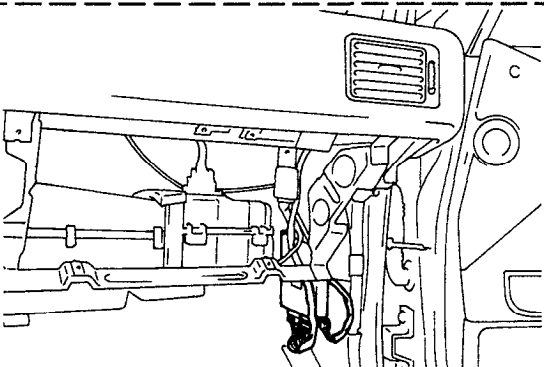
M05, M06, M09



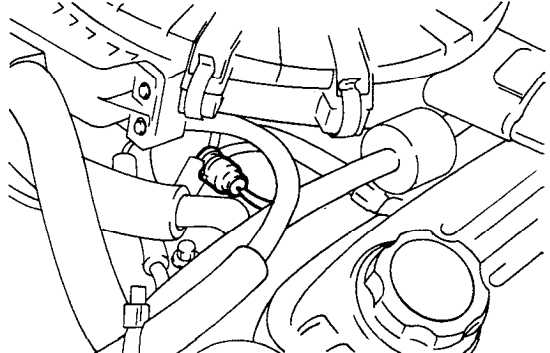
M10



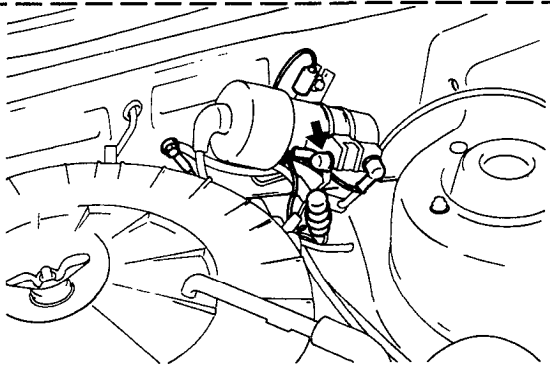
M21



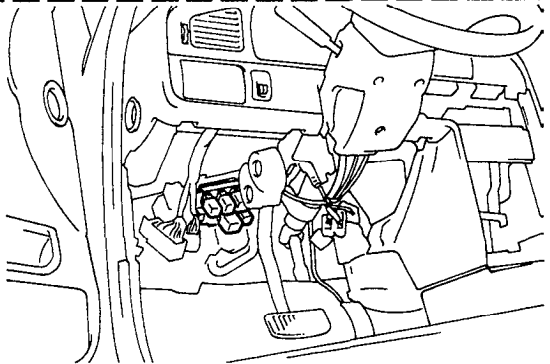
M04



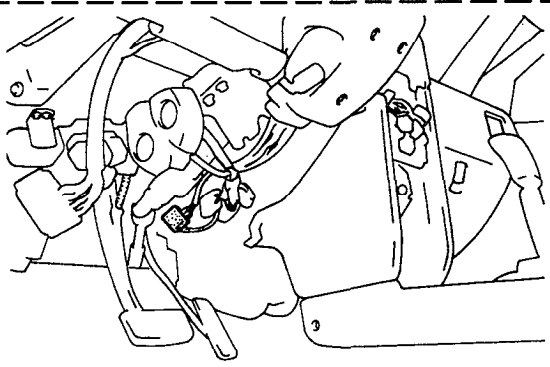
M07



M14 ~ M20

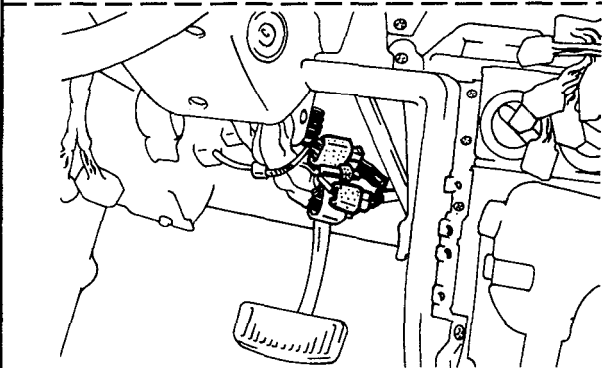


M22

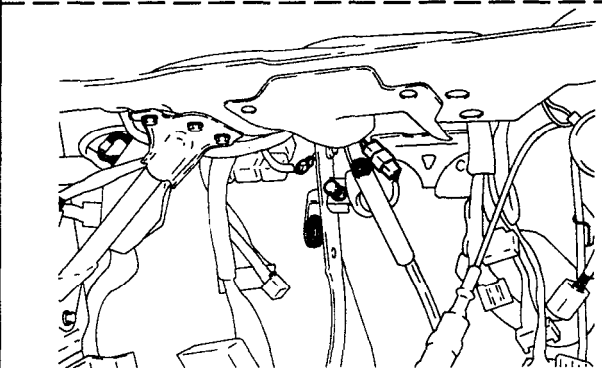


COMPONENTS (M23 ~ M32)

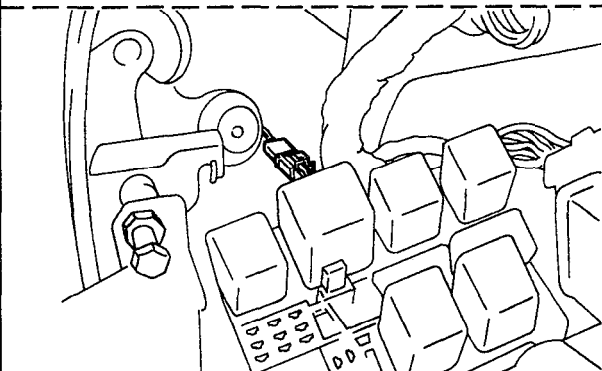
M23, M24, M25



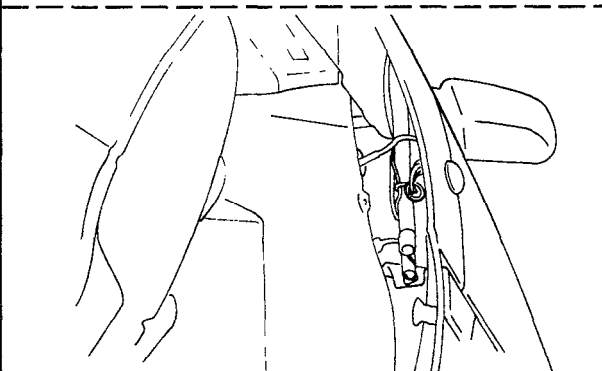
M27



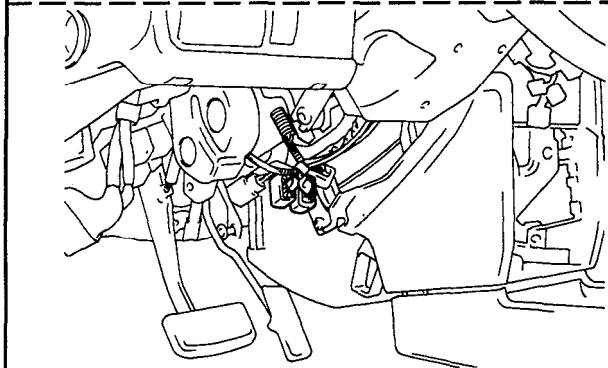
M29



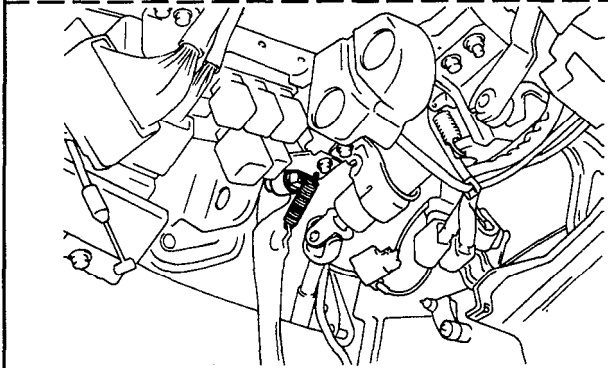
M31



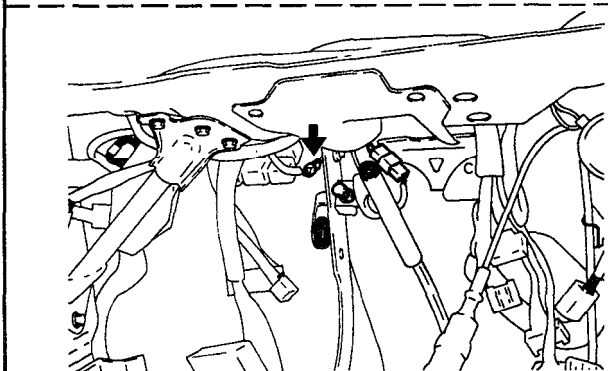
M26-1, M26-2



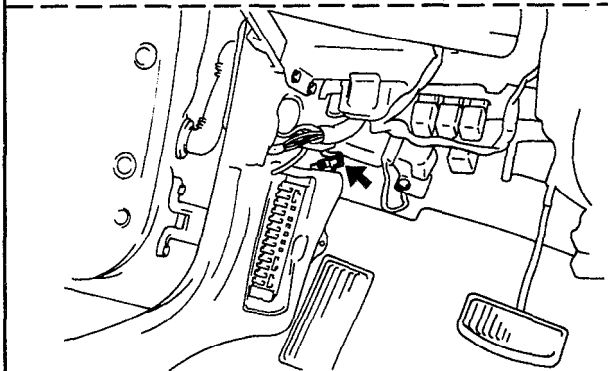
M28



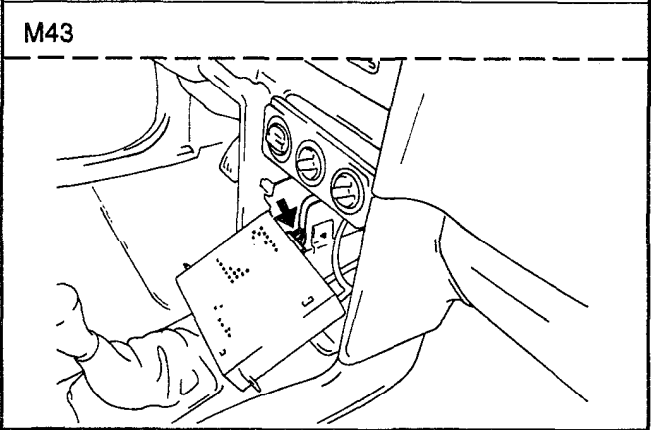
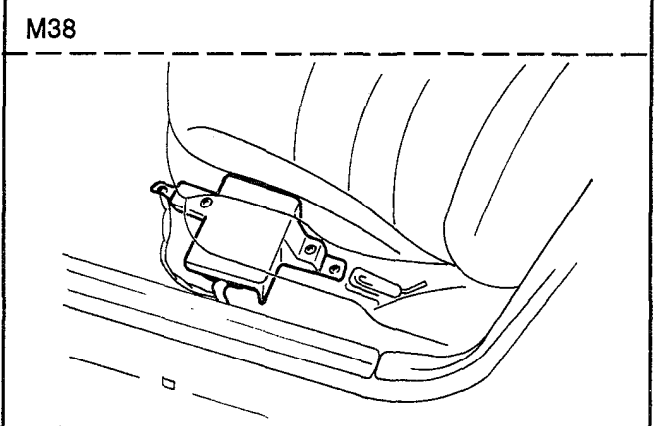
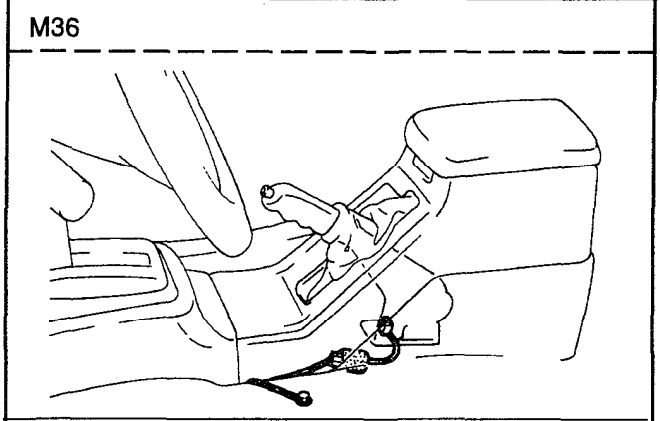
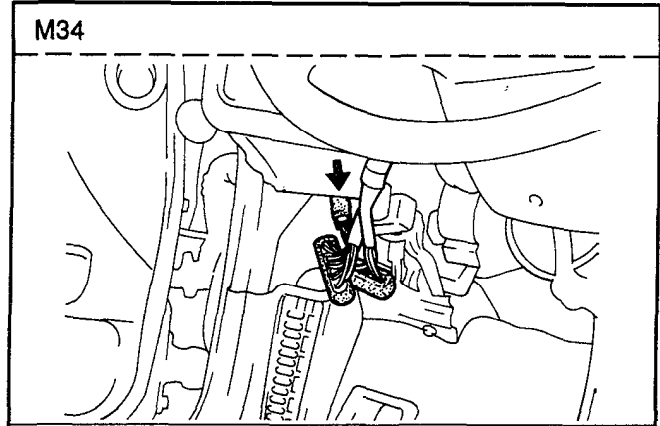
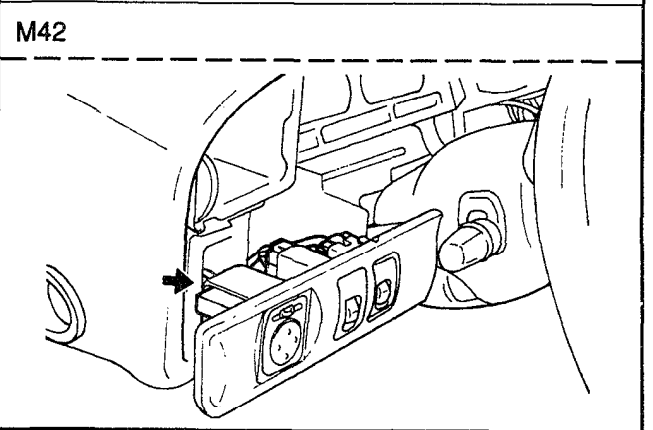
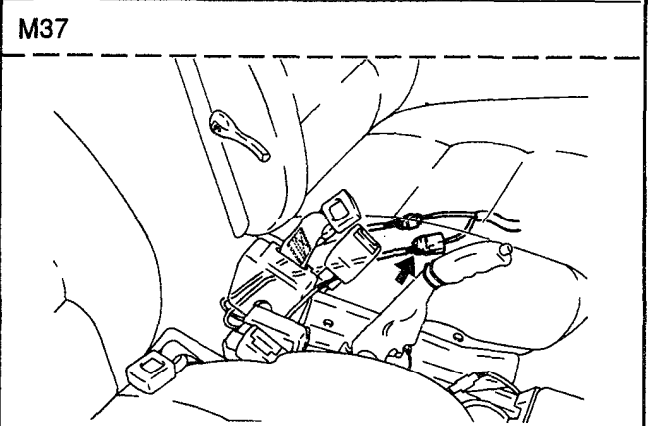
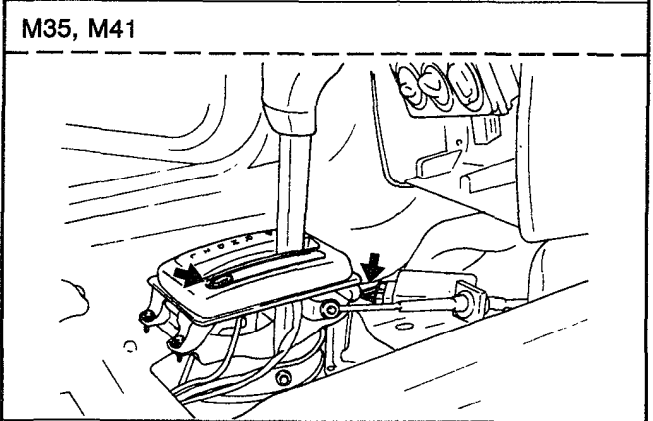
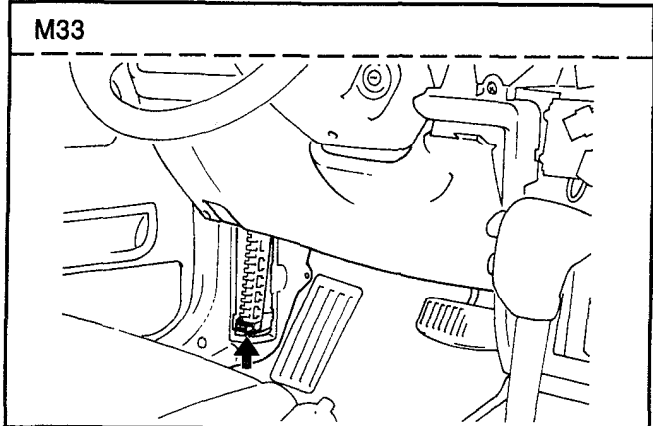
M30



M32

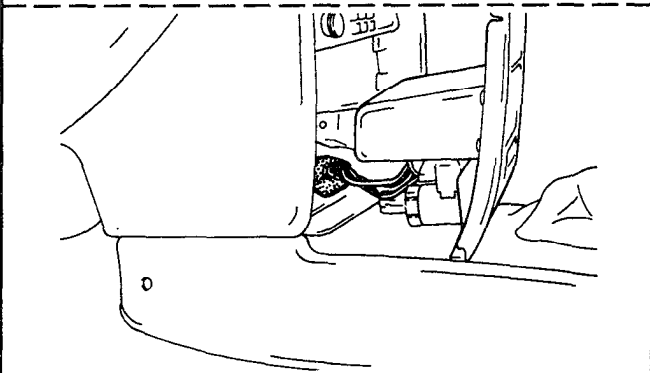


COMPONENTS (M33 ~ M43)

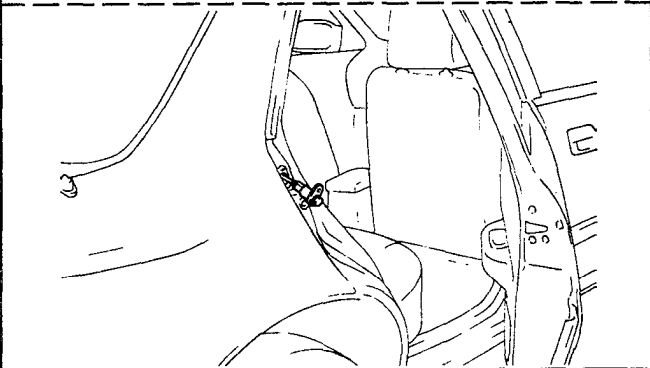


COMPONENTS (M44 ~ M53)

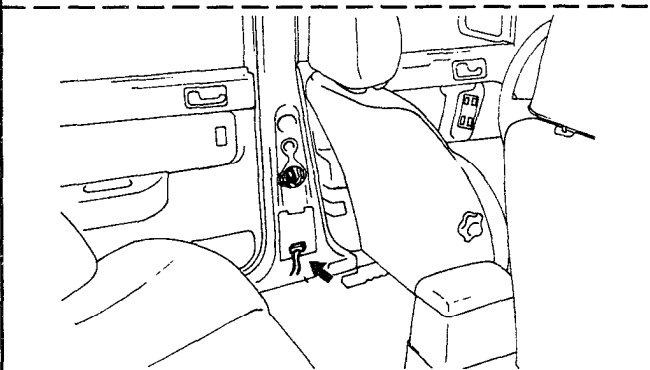
M44



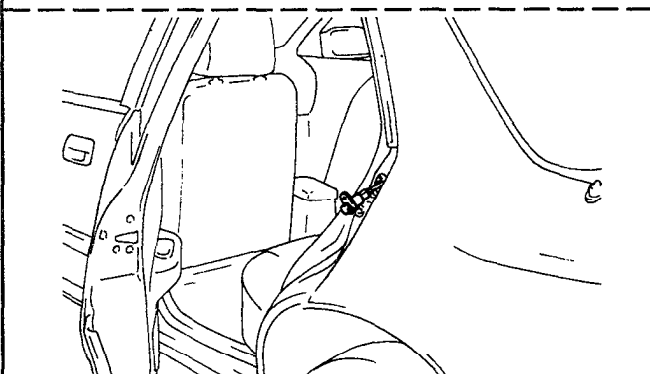
M46



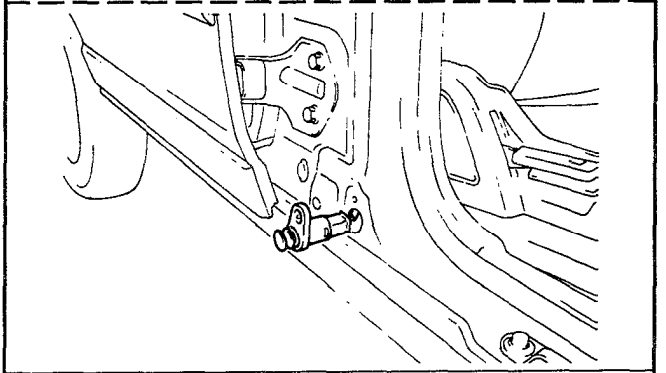
M48



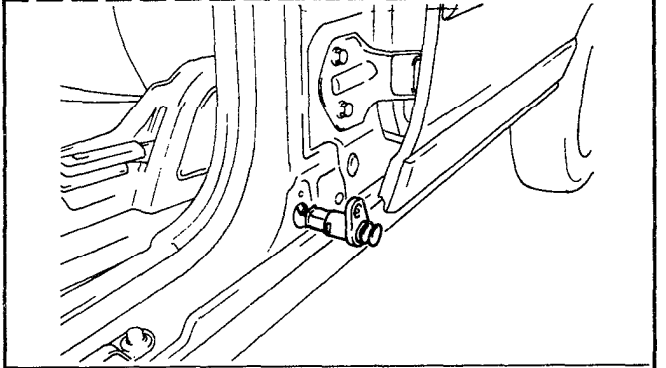
M52



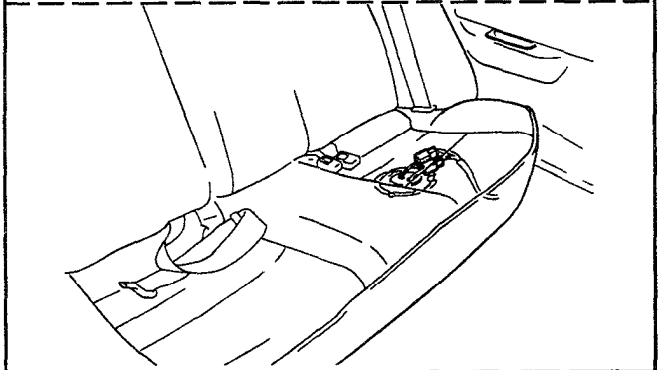
M45



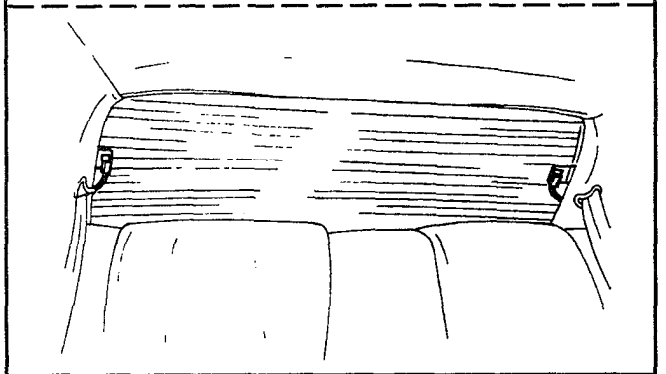
M47



M49, M50

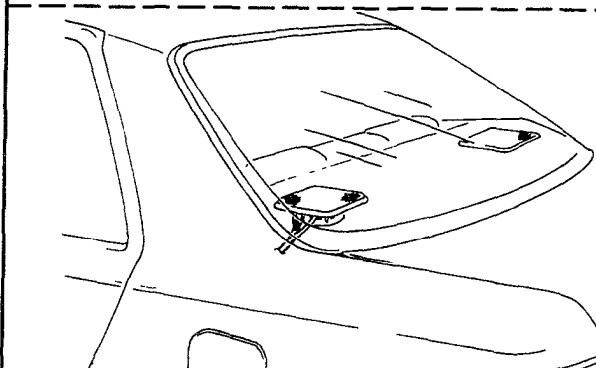


M53

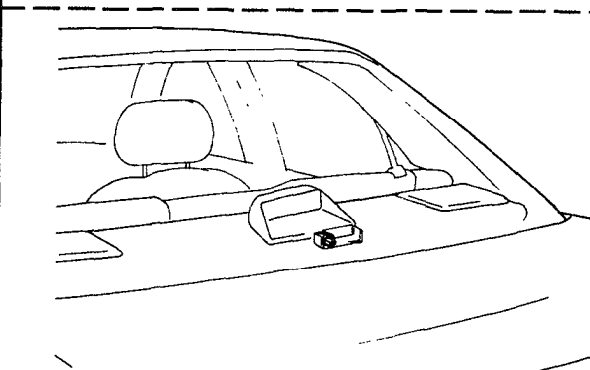


COMPONENTS (M54 ~ M68)

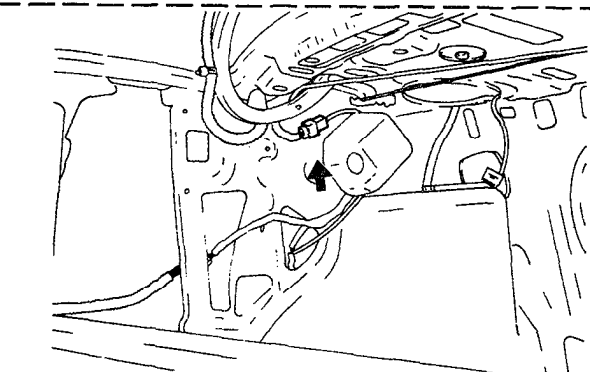
M54



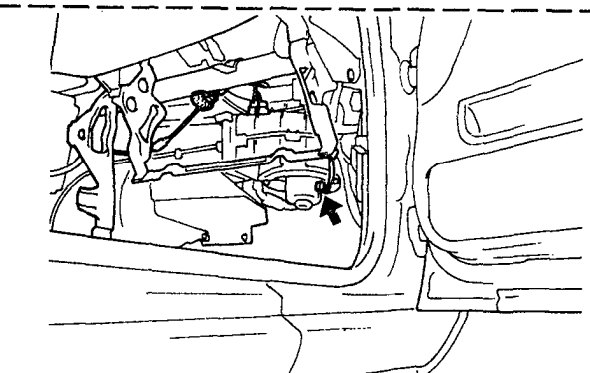
M56



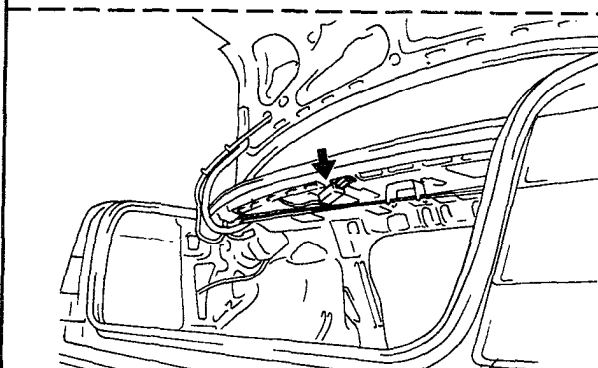
M58



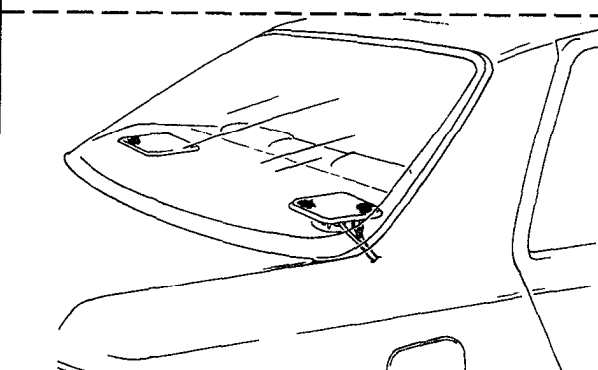
M61, M63



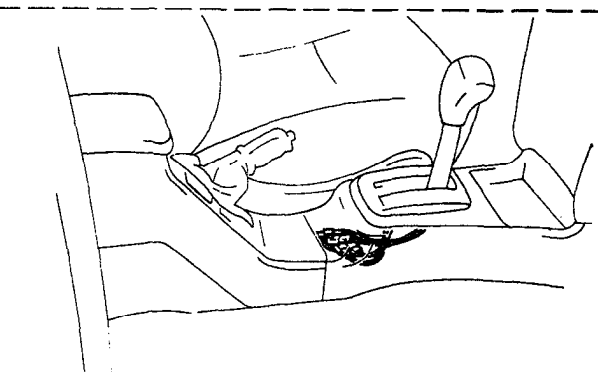
M55



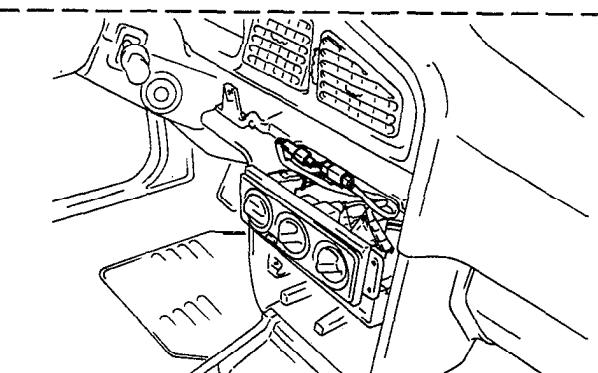
M57



M60, M64, M65, M66

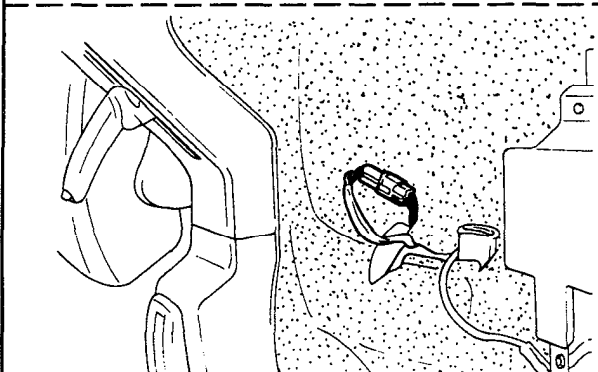


M62, M67, M68

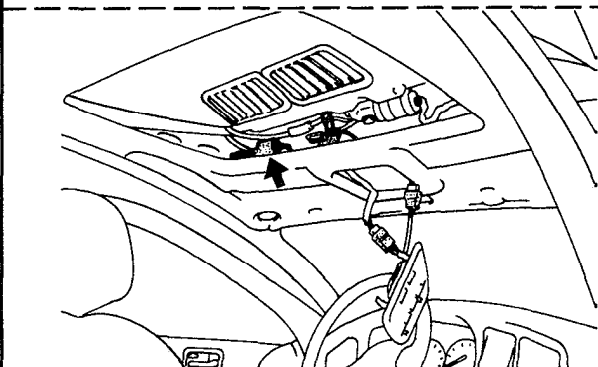


COMPONENTS (M70 ~ M80)

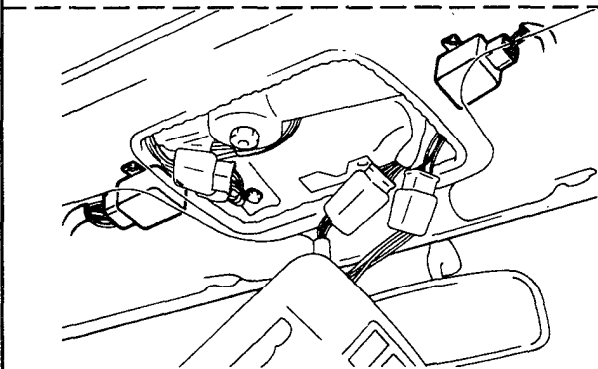
M70



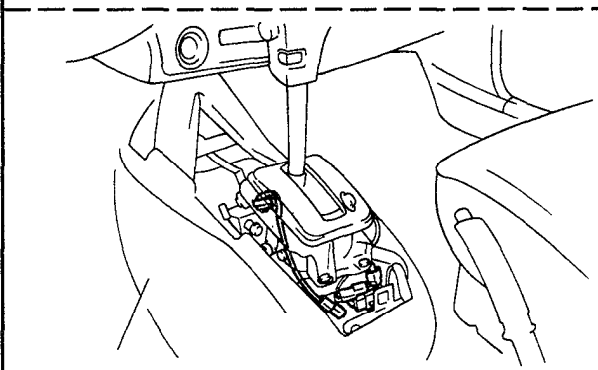
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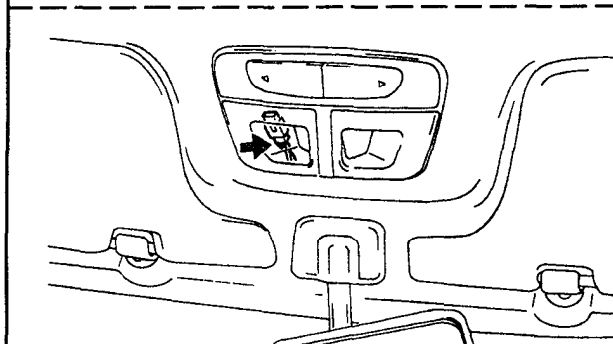
M76, M77



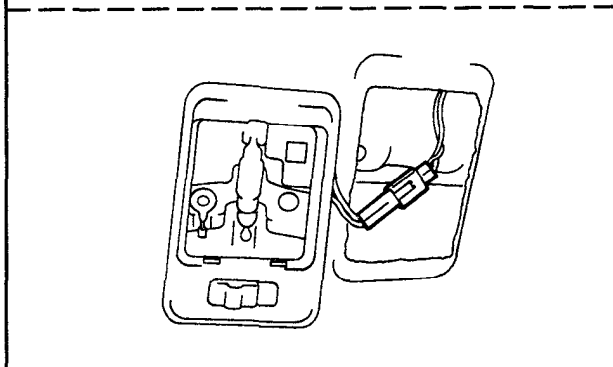
M79



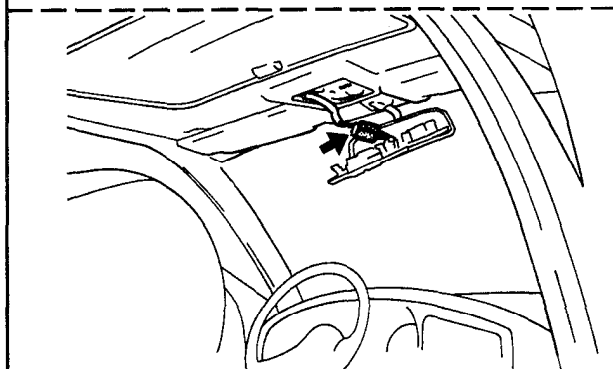
M71



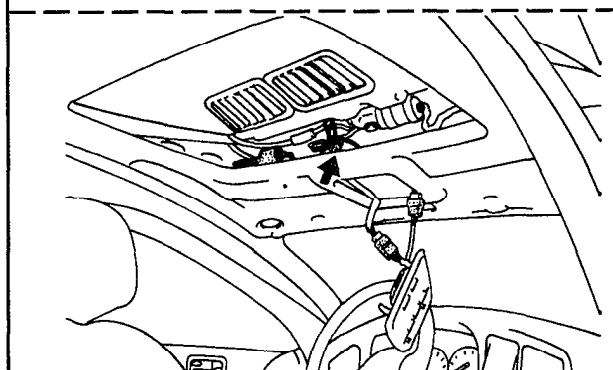
M73



M78

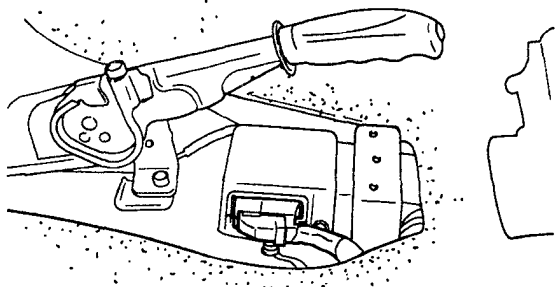


M80

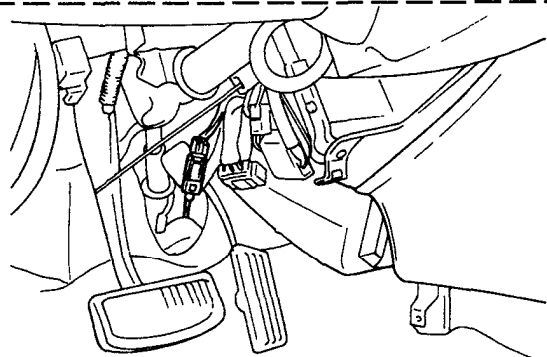


COMPONENTS (M81 ~ M95)

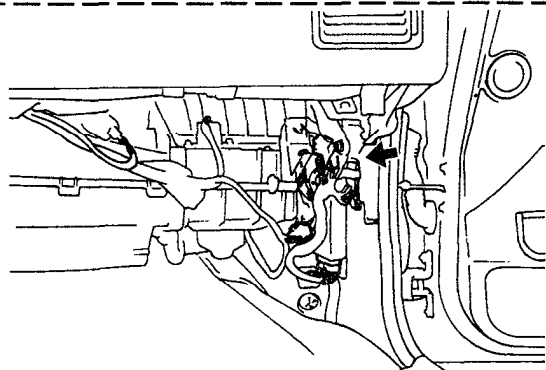
M81



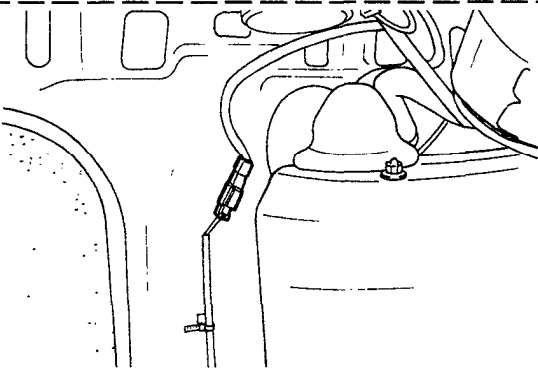
M84



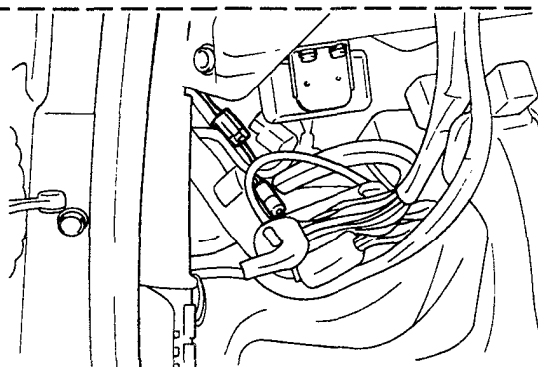
M92



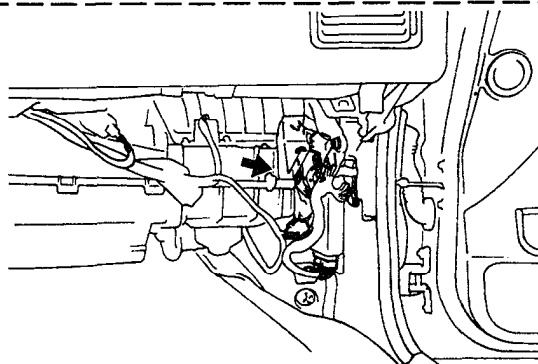
M94



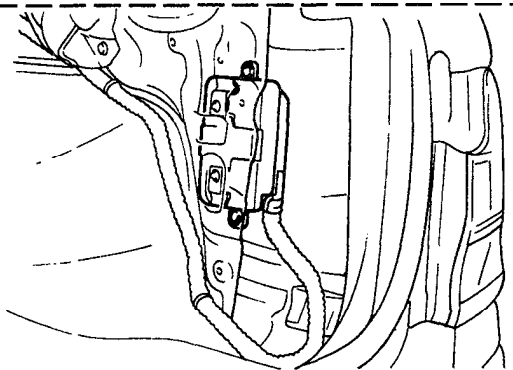
M82, M83



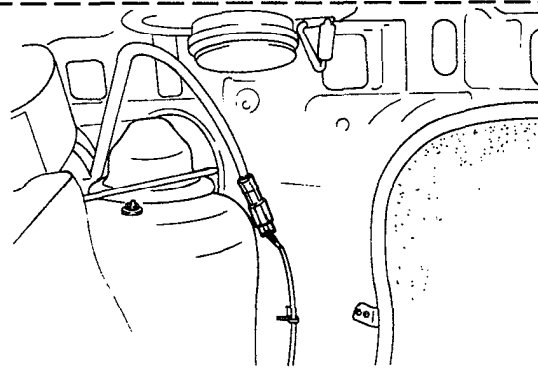
M91



M93

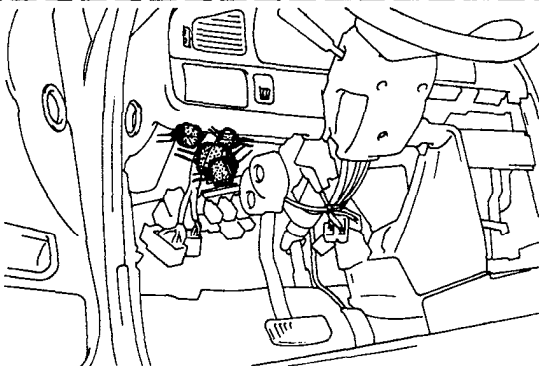


M95

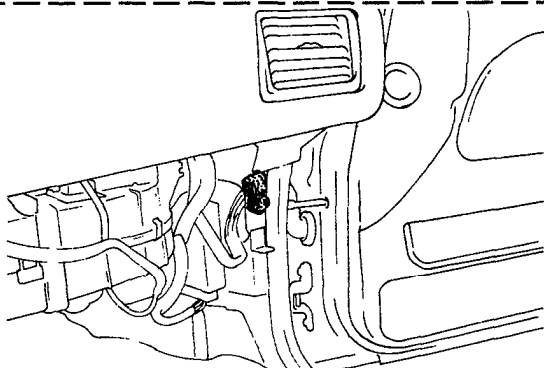


COMPONENTS (MC01 ~ MR02)

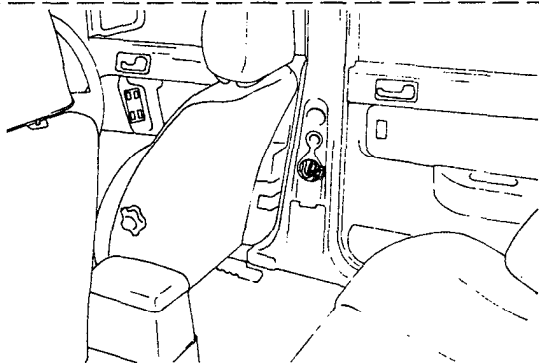
MC01 ~ MC04



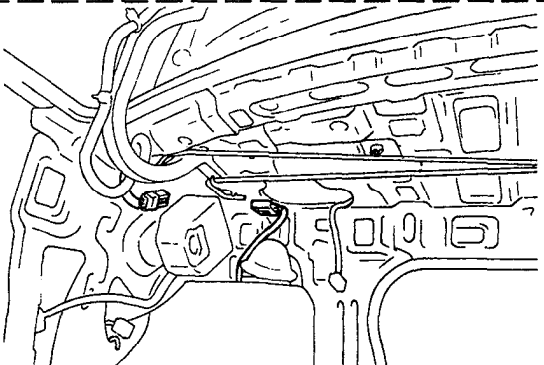
MD05, MD06



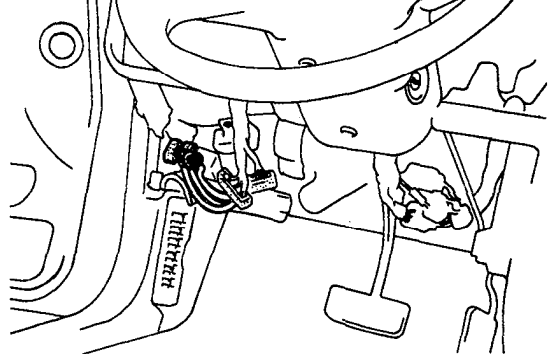
MD09, MD11



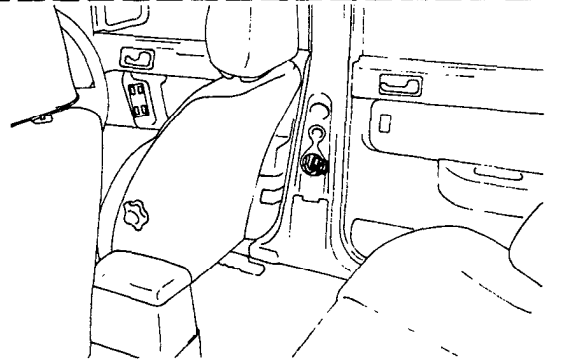
MR01, MR02



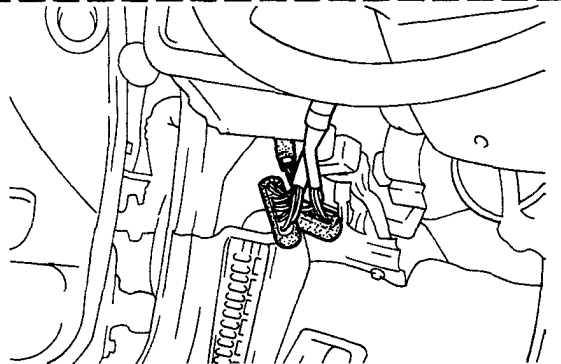
MD01 ~ MD03



MD08



MI01, MI02



COMPONENTS (R01 ~ R15)

R01

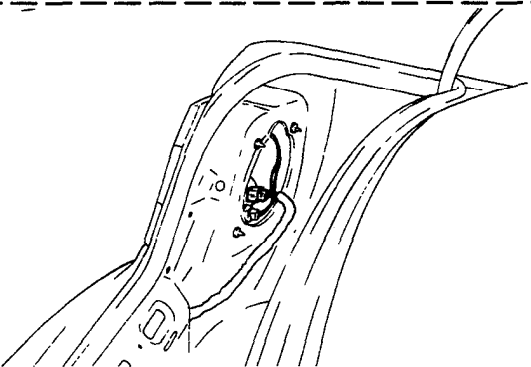


Diagram showing the location of component R01, which is a small electronic component mounted on a curved surface, possibly a door or panel, with a cable connected to it.

R03

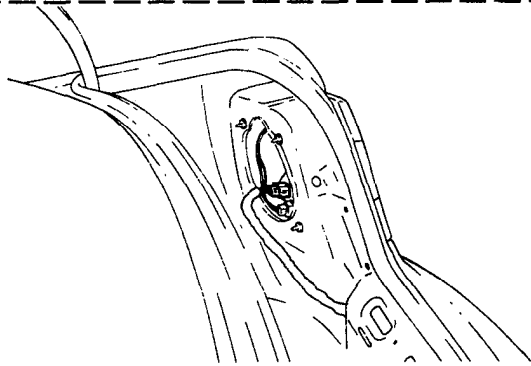


Diagram showing the location of component R03, which is a small electronic component mounted on a curved surface, possibly a door or panel, with a cable connected to it.

R15

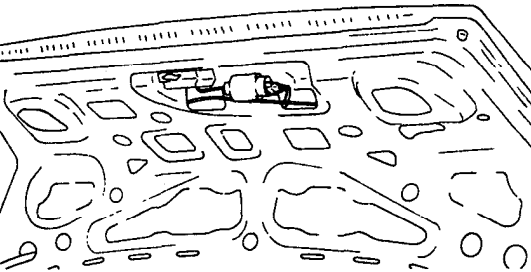


Diagram showing the location of component R15, which is a small electronic component mounted on a flat surface, possibly a control panel or display area.

R02

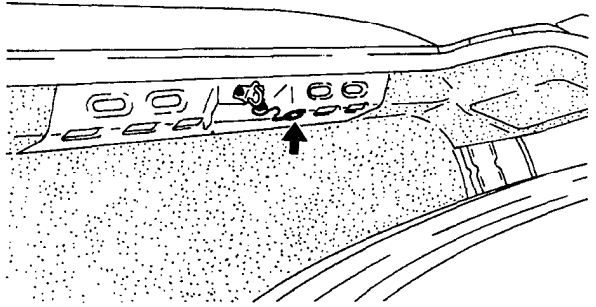


Diagram showing the location of component R02, which is a small electronic component mounted on a flat surface, possibly a control panel or display area, with an arrow pointing to its location.

R12, R13

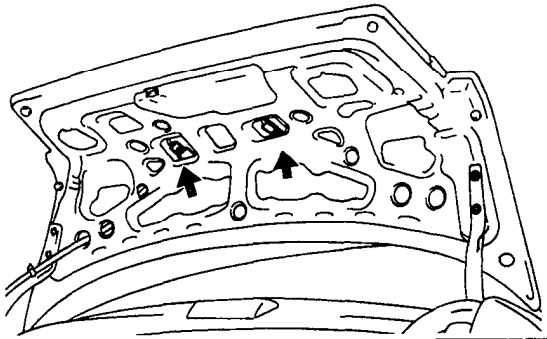
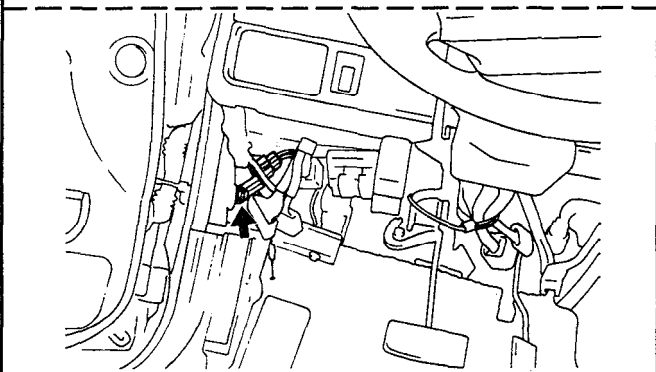


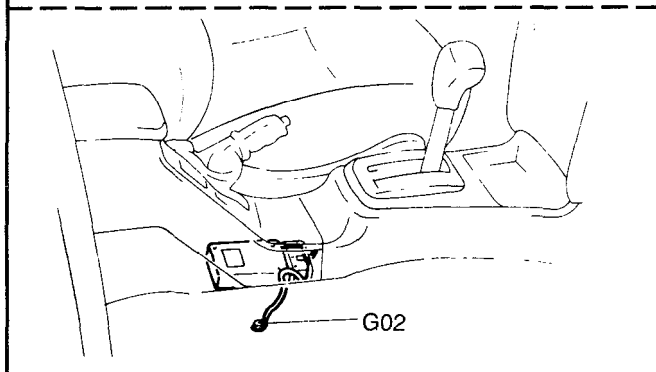
Diagram showing the location of components R12 and R13, which are small electronic components mounted on a flat surface, possibly a control panel or display area, with arrows pointing to their locations.

COMPONENTS (G01 ~ G08)

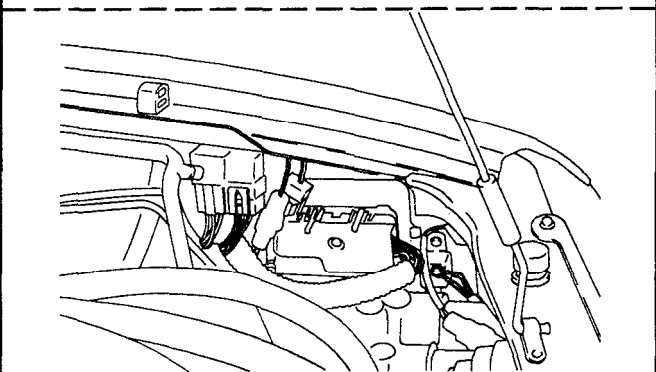
G01



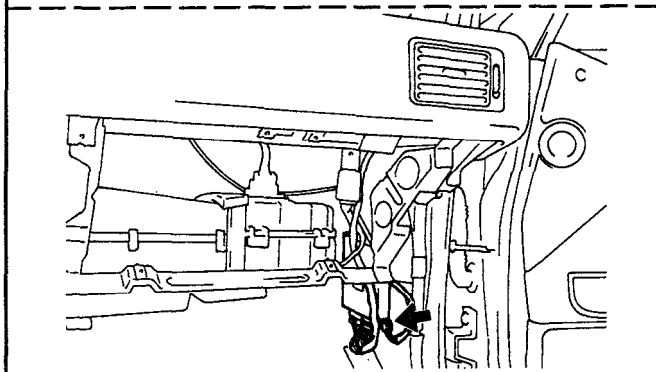
G02



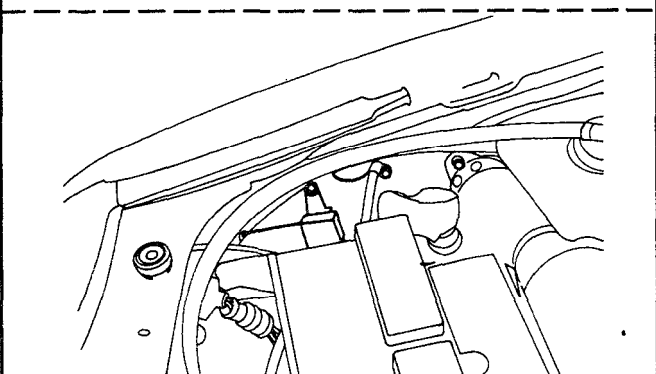
G03



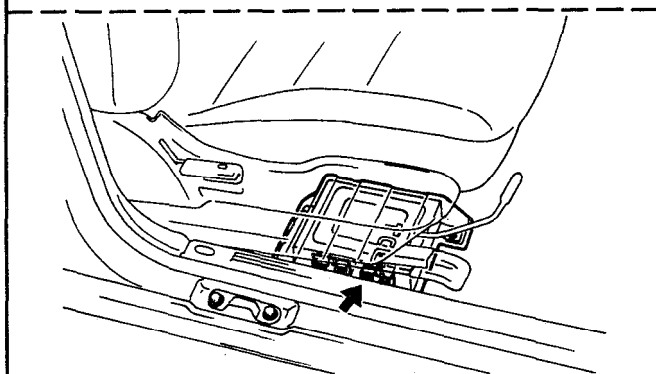
G04



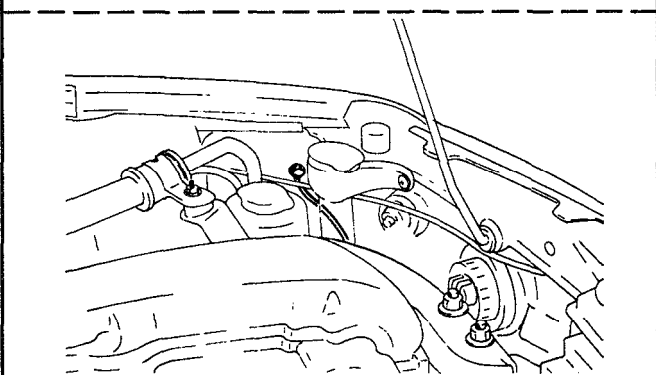
G05



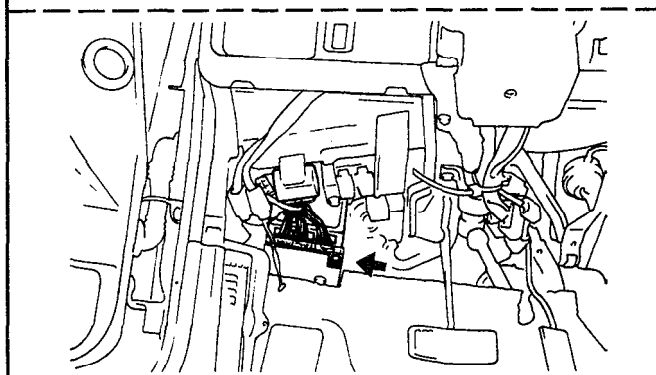
G06



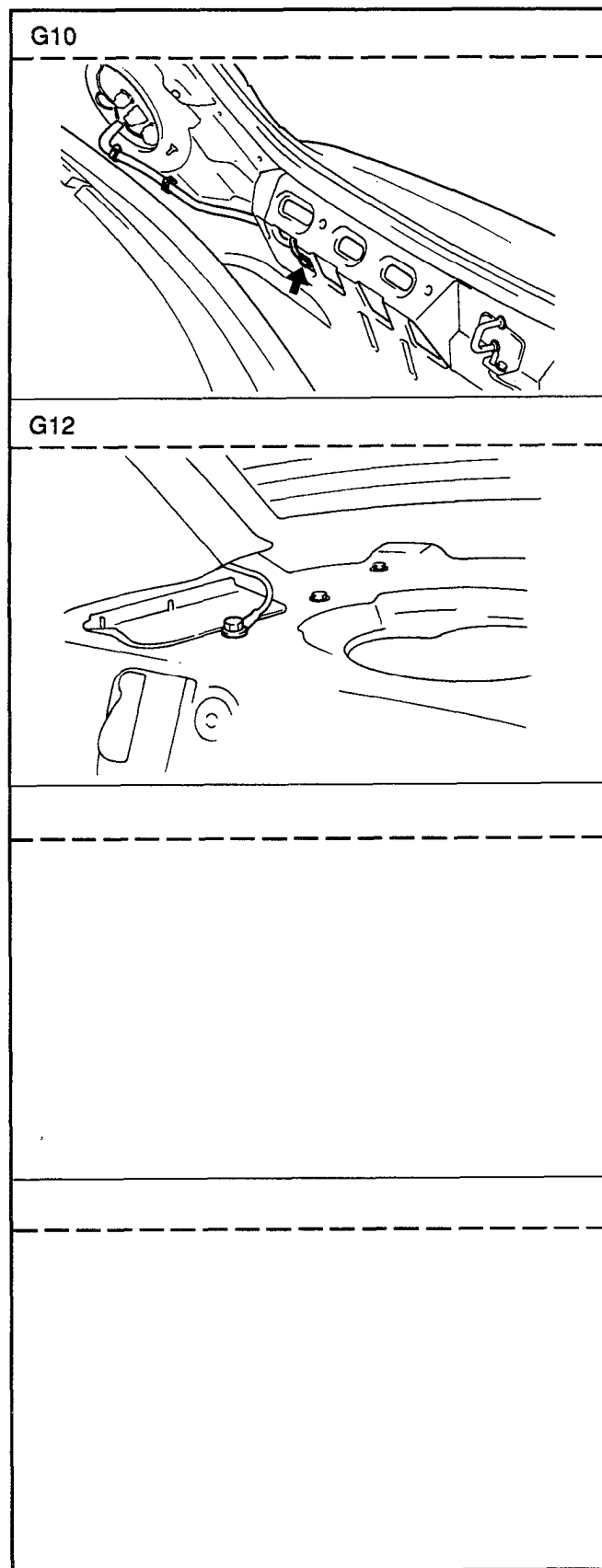
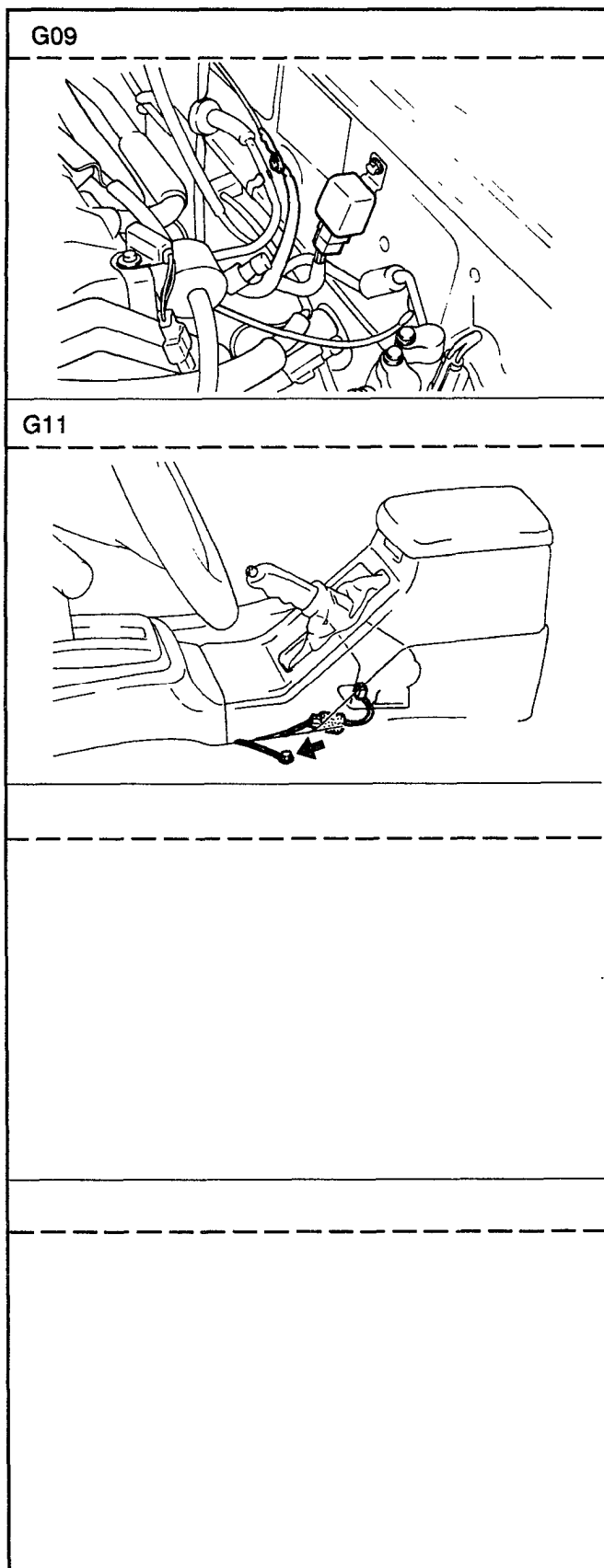
G07



G08

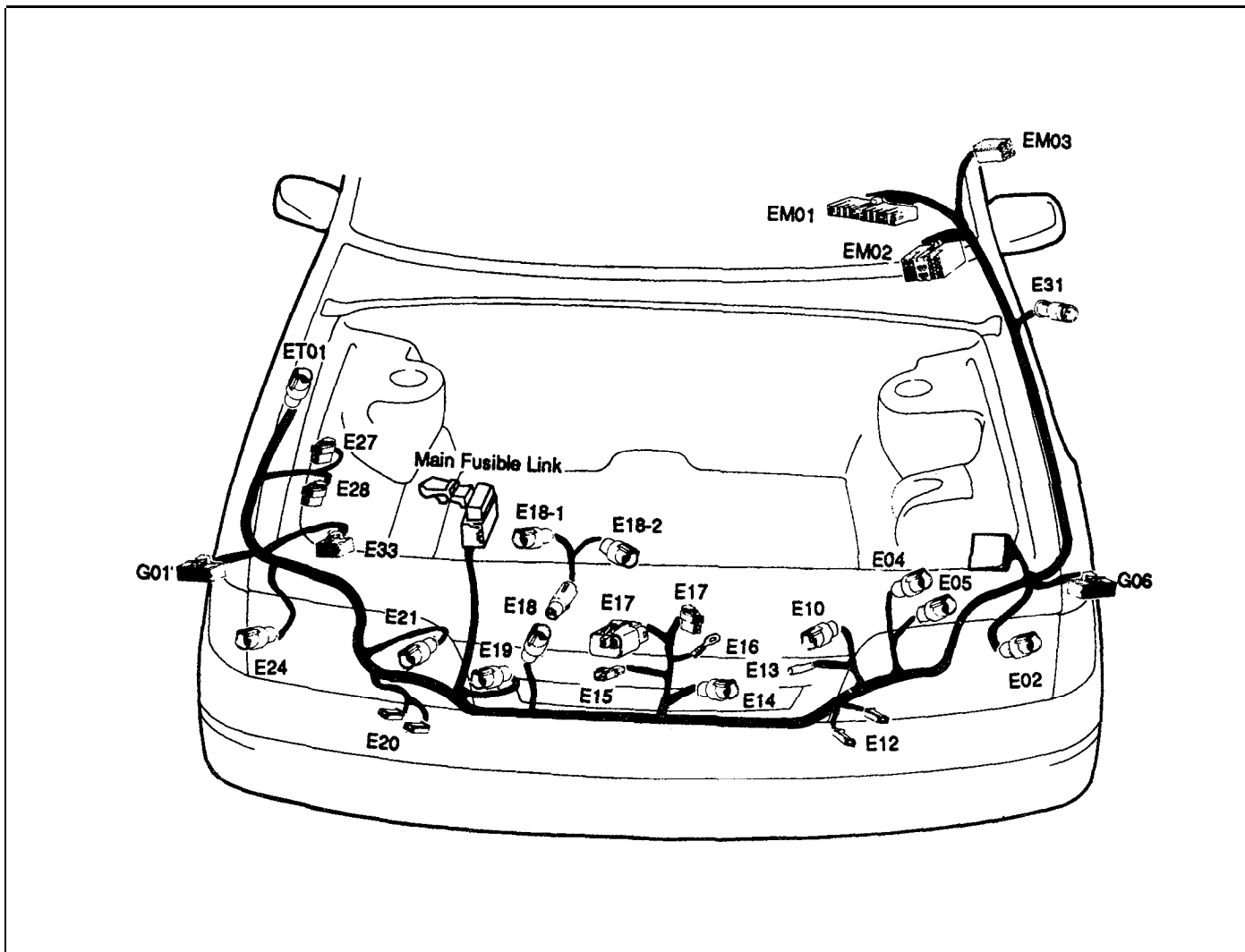


COMPONENTS (G09 ~ G12)



HARNESS LAYOUTS

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



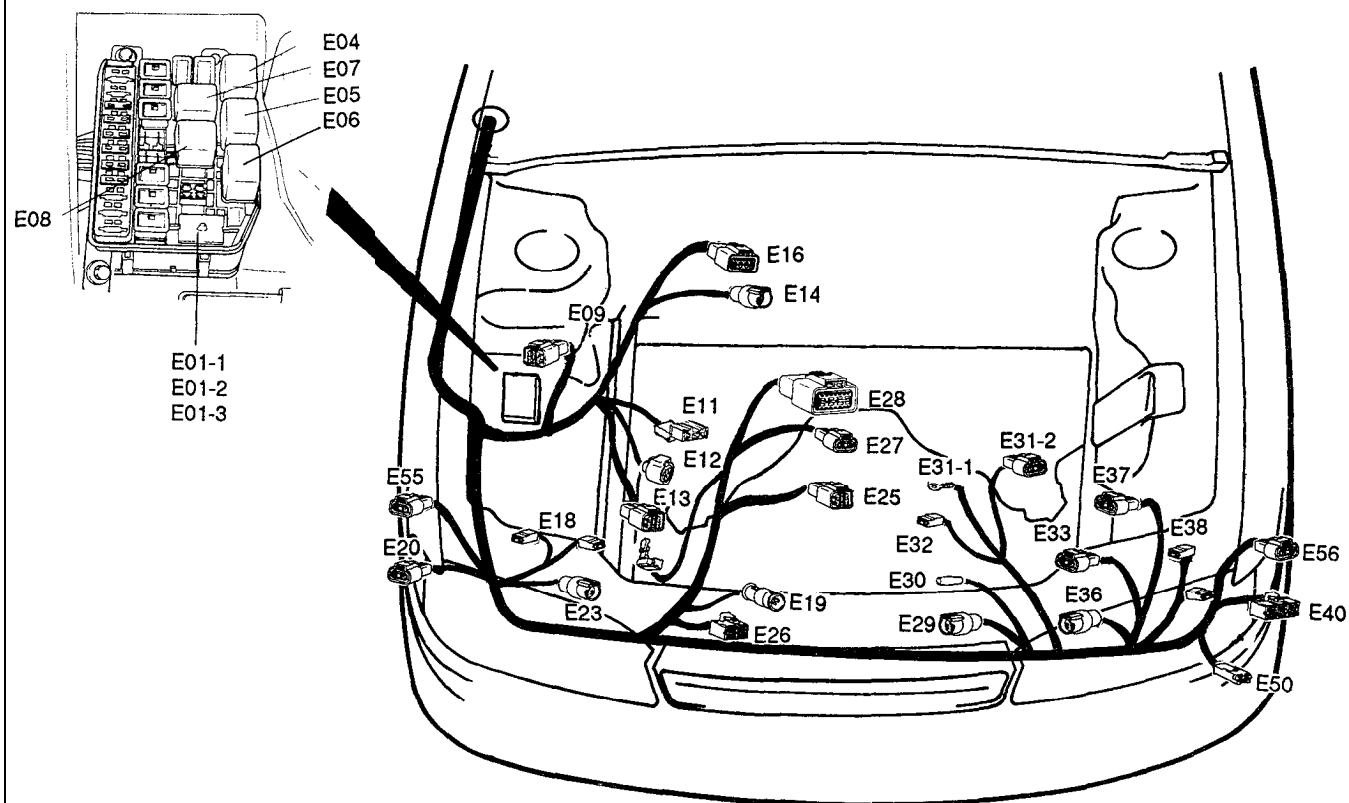
An example of Harness Layouts-Engine Harness

COMPONENT LOCATIONS

Component Locations give easy access to find the schematic components on the vehicle shown in the Component Location Index. Where connectors are listed, the total number of cavities, how many are actually used, is provided to help identify connectors on the vehicle.

HARNESS LAYOUT

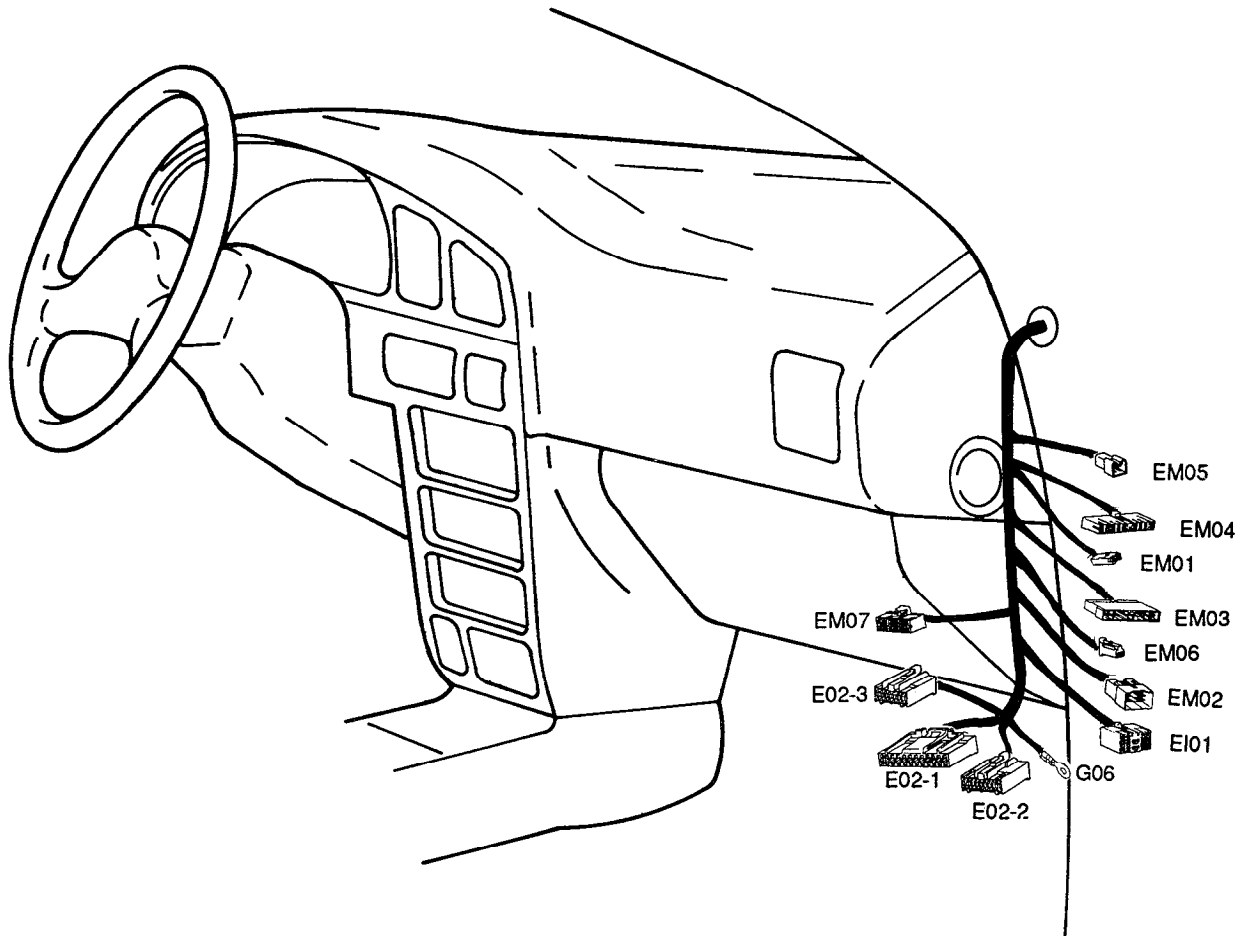
ENGINE HARNESS (1)



E01-1 Joint connector (IGN)
 E01-2 Joint connector (TAIL, LH)
 E01-3 Joint connector (TAIL, RH)
 E04 Radiator fan control relay
 E05 Condense fan relay
 E06 Head lamp relay
 E07 Radiator fan relay
 E08 Air conditioner relay
 E09 Cruise control actuator
 E11 Kick down switch (A/T)
 E12 Oil temperature sensor (A/T)
 E13 Pulse generator (A/T)
 E14 Brake fluid sensor
 E16 Wiper motor
 E18 Horn (RH)
 E19 Thermo sensor (U.S.A)
 E20 Front turn signal lamp (RH)

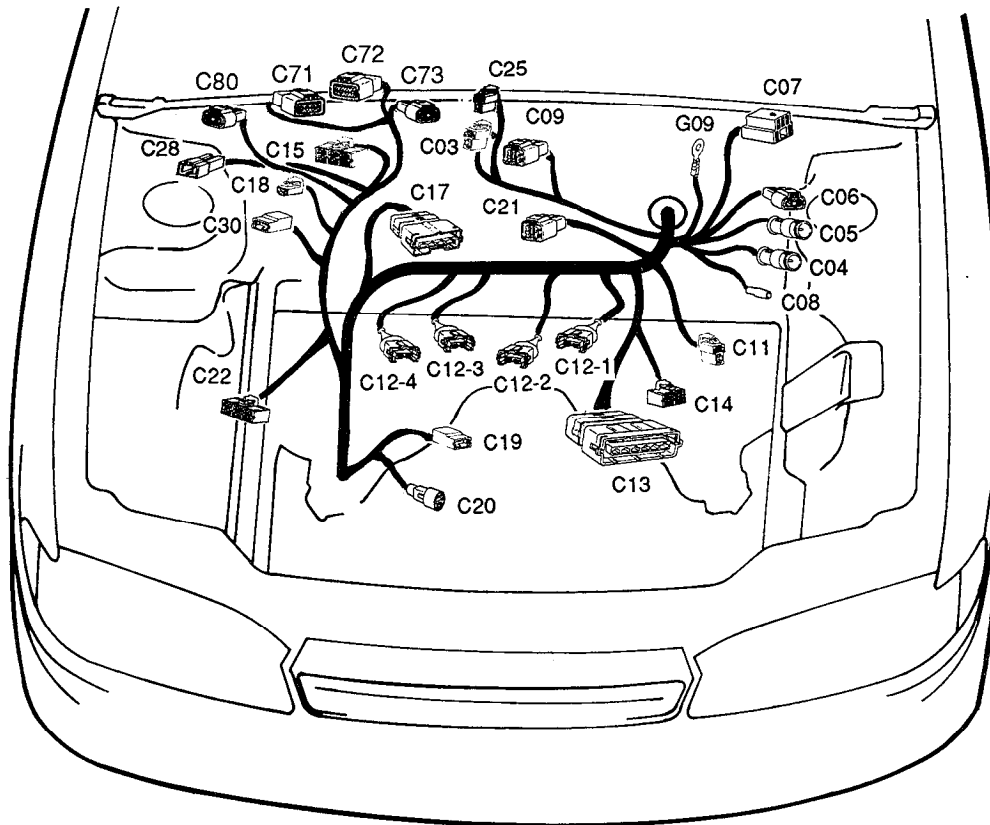
E23 Head lamp
 E25 T/A control solenoid (AT)
 E26 Radiator fan
 E27 Back up lamp switch (M/T)
 E28 Transaxle range switch (A/T)
 E29 Condenser fan
 E30 Power steering switch
 E31-1 Generator (B+)
 E31-2 Generator (S.L)
 E32 Oil pressure switch
 E33 Front turn signal lamp (LH)
 E36 Head lamp (LH)
 E37 Washer motor
 E38 Horn (LH)
 E40 DRL module
 E55 Front sensor RH (ABS)
 E56 Front sensor LH (ABS)

ENGINE HARNESS (2)



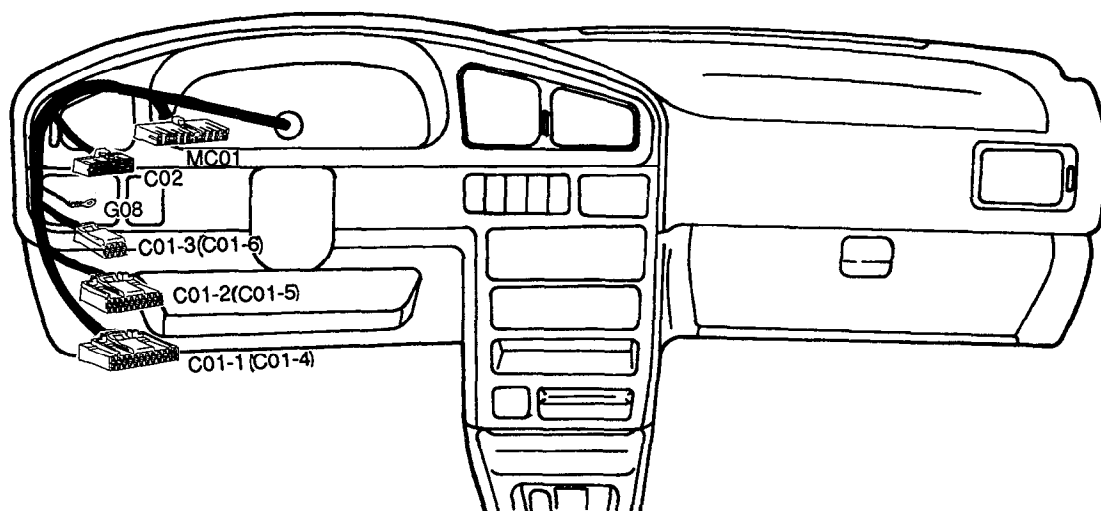
- E02-1 TCM
- E02-2 TCM
- E02-3 TCM
- EM01 Connection with MAIN wiring harness
- EM02 Connection with MAIN wiring harness
- EM03 Connection with MAIN wiring harness
- EM04 Connection with MAIN wiring harness (A/T)
- EM05 Connection with MAIN wiring harness (A/T, Cruise)
- EM06 Connection with MAIN wiring harness (M/T, Cruise)
- EM07 Connection with ABS wiring harness
- EI01 Connection with CRASH PAD wiring harness

CONTROL HARNESS



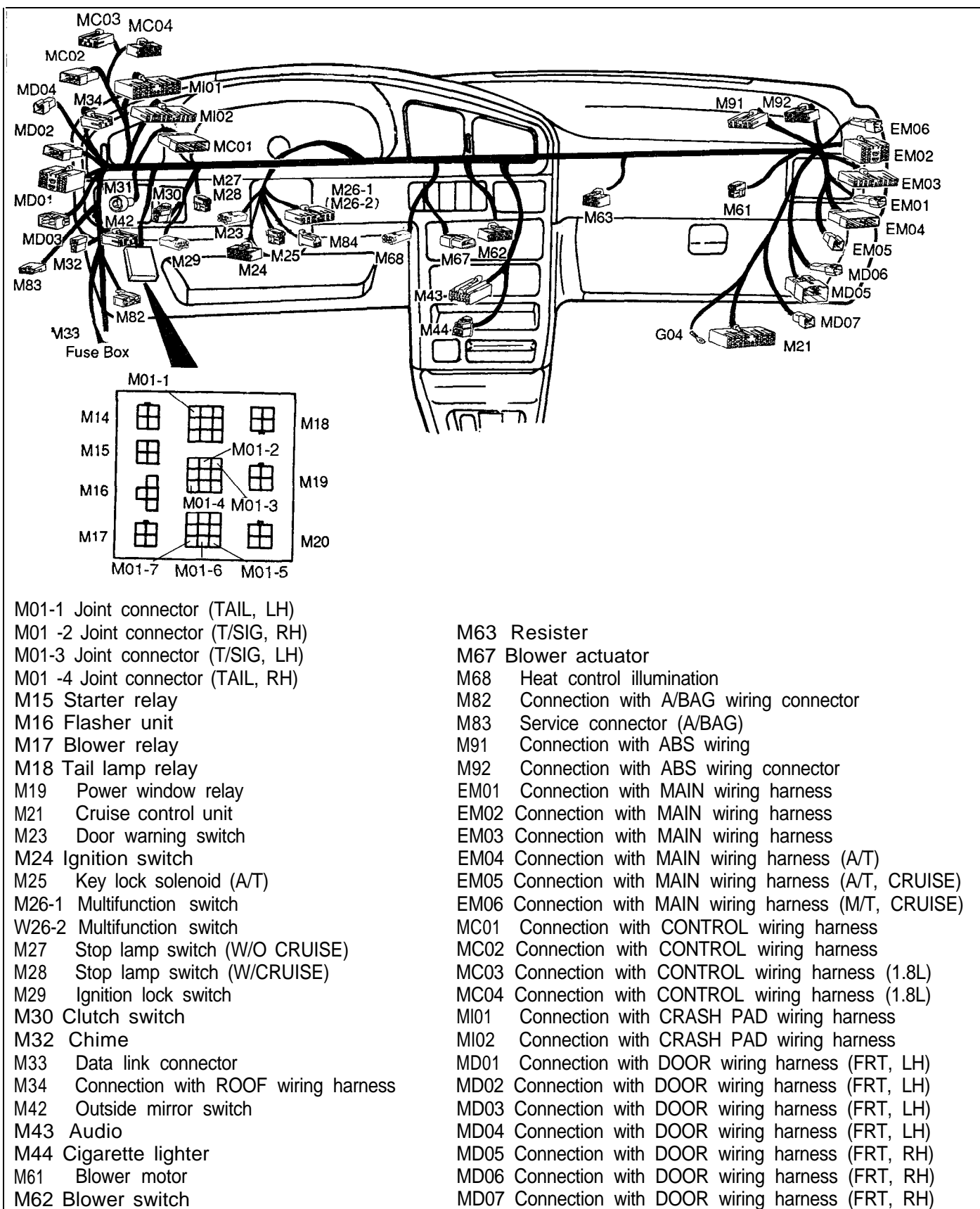
C03	Purge solenoid	C30	Idle switch
C04	Ignition timing adjuster	C71	ABS modulator connector (1.8L)
C05	Fuel pump checker	C72	ABS relay box connector 2 (1.8L)
C06	Dual pressure switch (A/C)	C73	ABS relay box connector 1 (1.8L)
C07	Relay with diode	C80	ABS motor pump (1.8L)
C08	A/C compressor		
C09	Crankshaft position sensor		
C11	Noise filter		
C12-1	Injector #1		
C12-2	Injector #2		
C12-3	Injector #3		
C12-4	Injector #4		
C13	Power transistor		
C14	Ignition coil		
C15	ISC motor		
C17	Trottle position sensor		
C18	Starter solenoid extension		
C19	Coolant temp gauge		
C20	Coolant temp sensor		
C21	Front oxygen sensor		
C22	Volume air flow sensor		
C25	EGR solenoid		
C28	EGR temp sensor		

CONTROL HARNESS

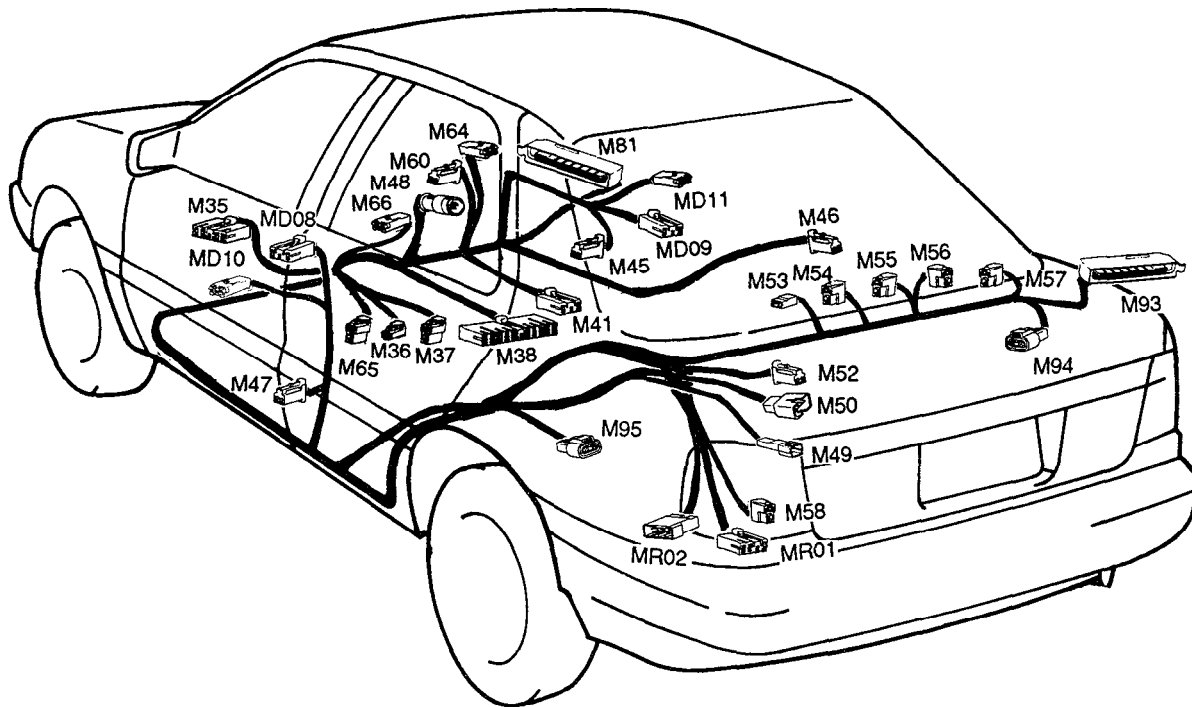


C01-1 ECM
C01-2 ECM
C01-3 ECM
C02 Control relay
MC01 Connection with MAIN wiring harness

MAIN HARNESS (1)



MAIN HARNESS (2)



M35 A/T & key lock control unit

M36 Parking brake switch

M37 Seat belt switch

M38 TACM

M41 ECT switch

M45 Door switch (FRT, RH)

M46 Door switch (RR, RH)

M47 Door switch (FRT, LH)

M48 Passive s/belt module

M49 Fuel pump

M50 Fuel sender

M52 Door switch (RR, LH)

M53 Rear heated glass (+)

M54 Speaker (RR, RH)

M55 Trunk room lamp

M56 High mounted stop lamp

M57 Speaker (RR, LH)

M58 Power antenna

M60 Over drive (O/D) switch

M64 P/Position switch

M65 A/T Solenoid

M66 A/T Illumination

M70 Rear oxygen sensor

M81 A/Bag control module (ESPS)

M93 ABS control module

M94 Rear sensor RH (ABS)

M95 Rear sensor LH (ABS)

MR01 Connection with REAR wiring harness

MR02 Connection with TRUNK LID wiring harness

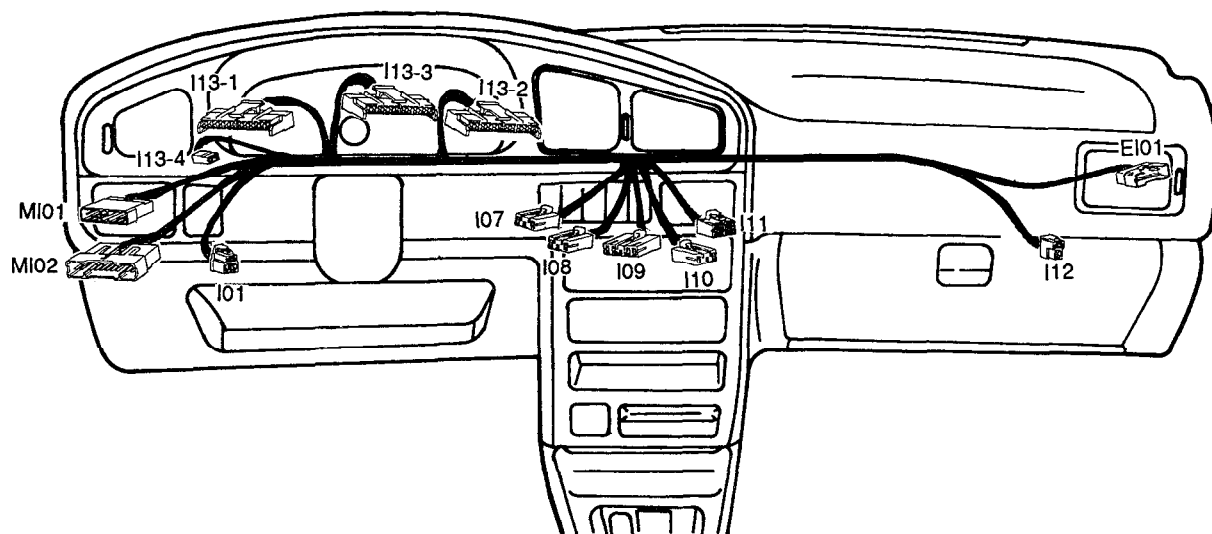
MD08 Connection with DOOR wiring harness (RR, LH)

MD09 Connection with DOOR wiring harness (RR, RH)

MD10 Connection with DOOR wiring harness (RR, LH)

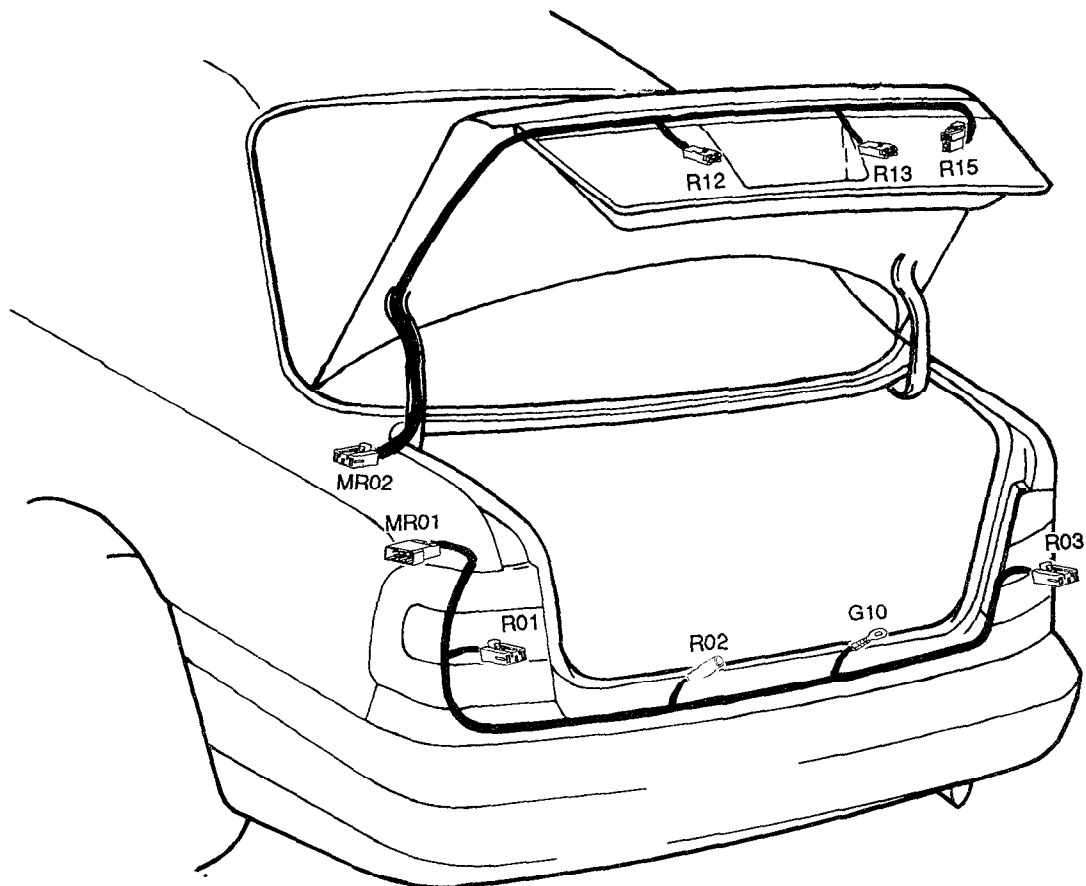
MD11 Connection with DOOR wiring harness (RR, RH)

CRASH PAD HARNESS



- | | |
|--------------|--------------------------------|
| I01 | Rheostat |
| I07 | Cruise switch |
| I08 | Rear defogger switch |
| I09 | Hazard switch |
| I10 | NC switch |
| I11 | Digital clock |
| I12 | Thermo switch |
| I13-1 | Cluster |
| I13-2 | Cluster |
| I13-3 | Cluster |
| I13-4 | Reed switch |
| MI01 | Connection with Main harness |
| MI02 | Connection with Main harness |
| EI01 | Connection with Engine harness |

REAR/TRUNK LID HARNESS

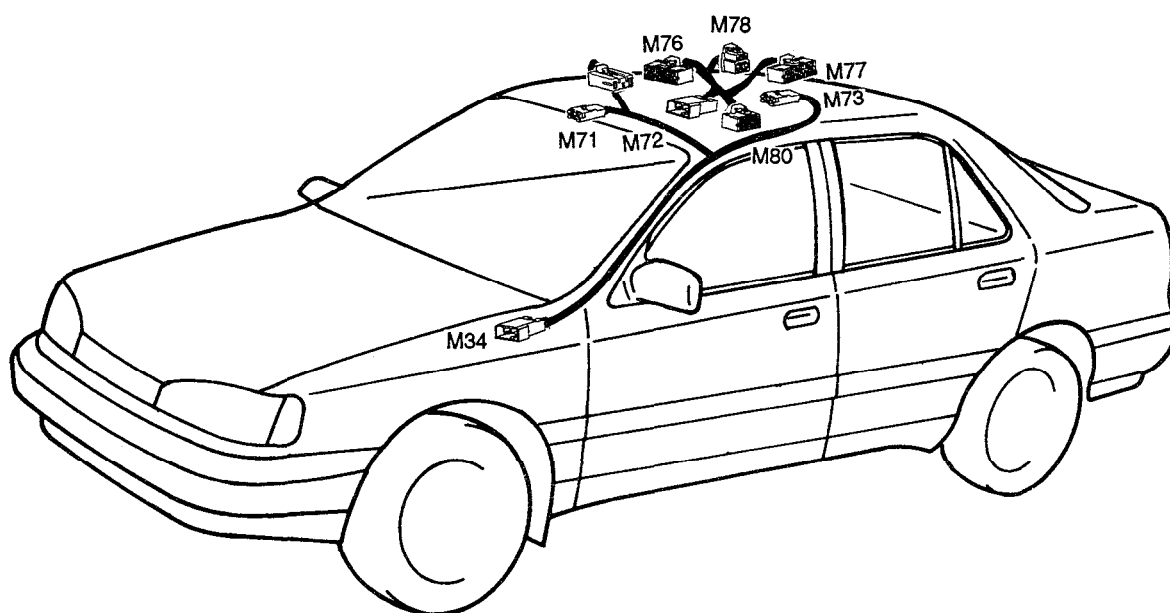
**Rear wiring harness**

- R01 Combination lamp (LH)
- R02 Trunk room lamp switch
- R03** Combination lamp (RH)
- MR01 Connection with MAIN harness

Trunk lid wiring harness

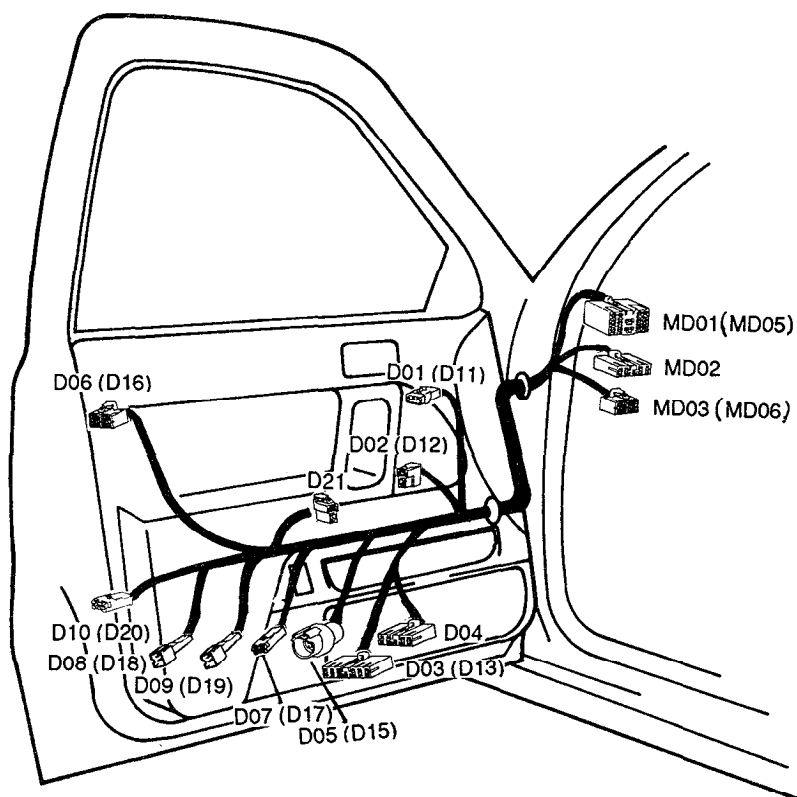
- R12 License lamp (LH)
- R13 License lamp (RH)
- R15 Trunk lid opener
- MR02 Connection with MAIN harness

ROOF HARNESS



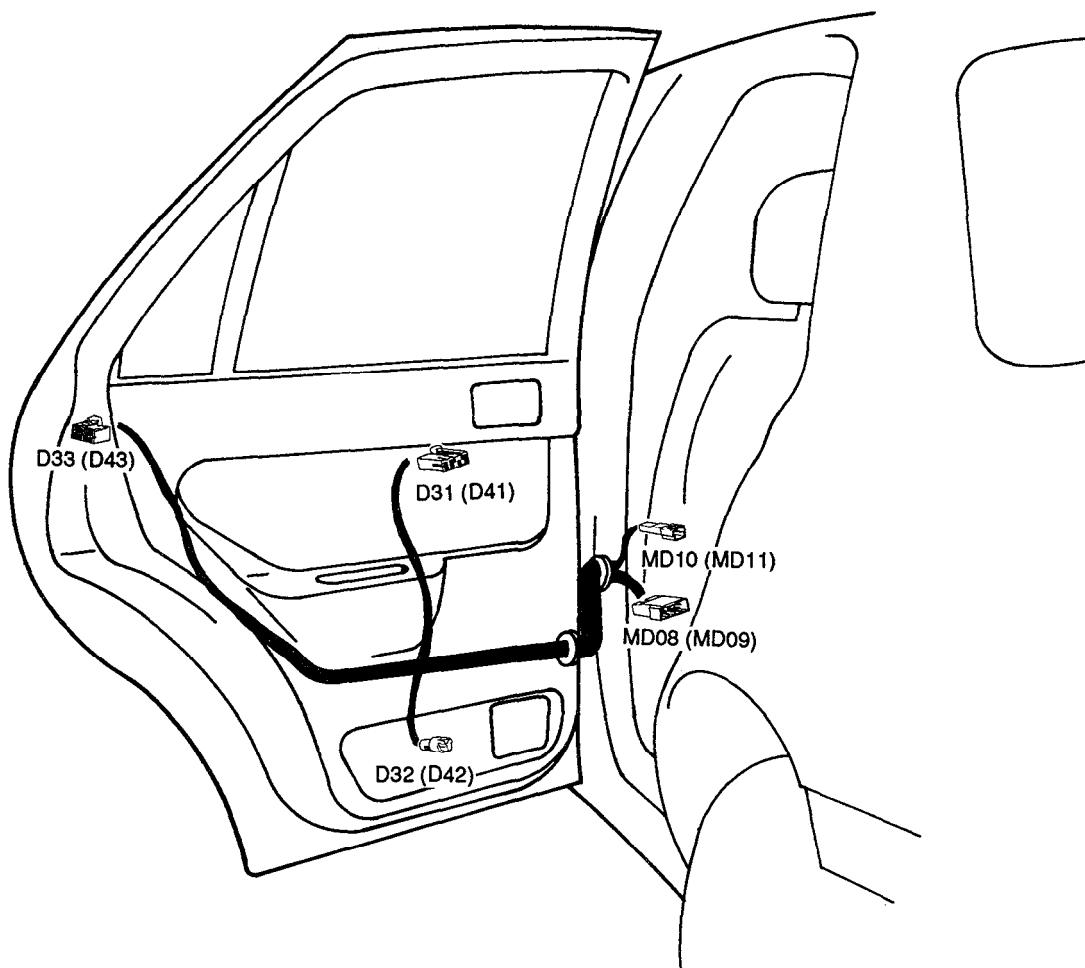
- M34 Connection with MAIN wiring harness
- M71 Map lamp
- M72 Sunroof extension wiring harness
- M73 Room lamp (W/O sunroof)
- M76 Sunroof relay (LH)
- M77 Sunroof relay (RH)
- M78 Over head console lamp (W/Sunroof)
- M80 Sunroof motor

FRONT DOOR HARNESS



D01 (D11)	Outside mirror
D02 (D12)	Speaker (FRT, LH)
D03 (D13)	Power window switch
D04	Power window switch
D05 (D15)	Power window motor
D06 (D16)	Central door locking actuator
D07 (D17)	Door latch switch
D08 (D18)	Shoulder retractor
D09 (D19)	Lap retractor
D10 (D20)	Door lamp
D21	Trunk lid switch
MD01	Connection with MAIN wiring harness (FRT, LH)
MD02	Connection with MAIN wiring harness (FRT, LH)
MD03	Connection with MAIN wiring harness (FRT, LH)
MD05	Connection with MAIN wiring harness (FRT, RH)
MD06	Connection with MAIN wiring harness (FRT, RH)

REAR DOOR HARNESS



D31 (D41)	Power window switch
D32 (D42)	Power window motor
D33 (D43)	Central door locking actuator
MD08 (MD09)	Connection with MAIN wiring harness
MD10 (md11)	Connection with MAIN wiring harness