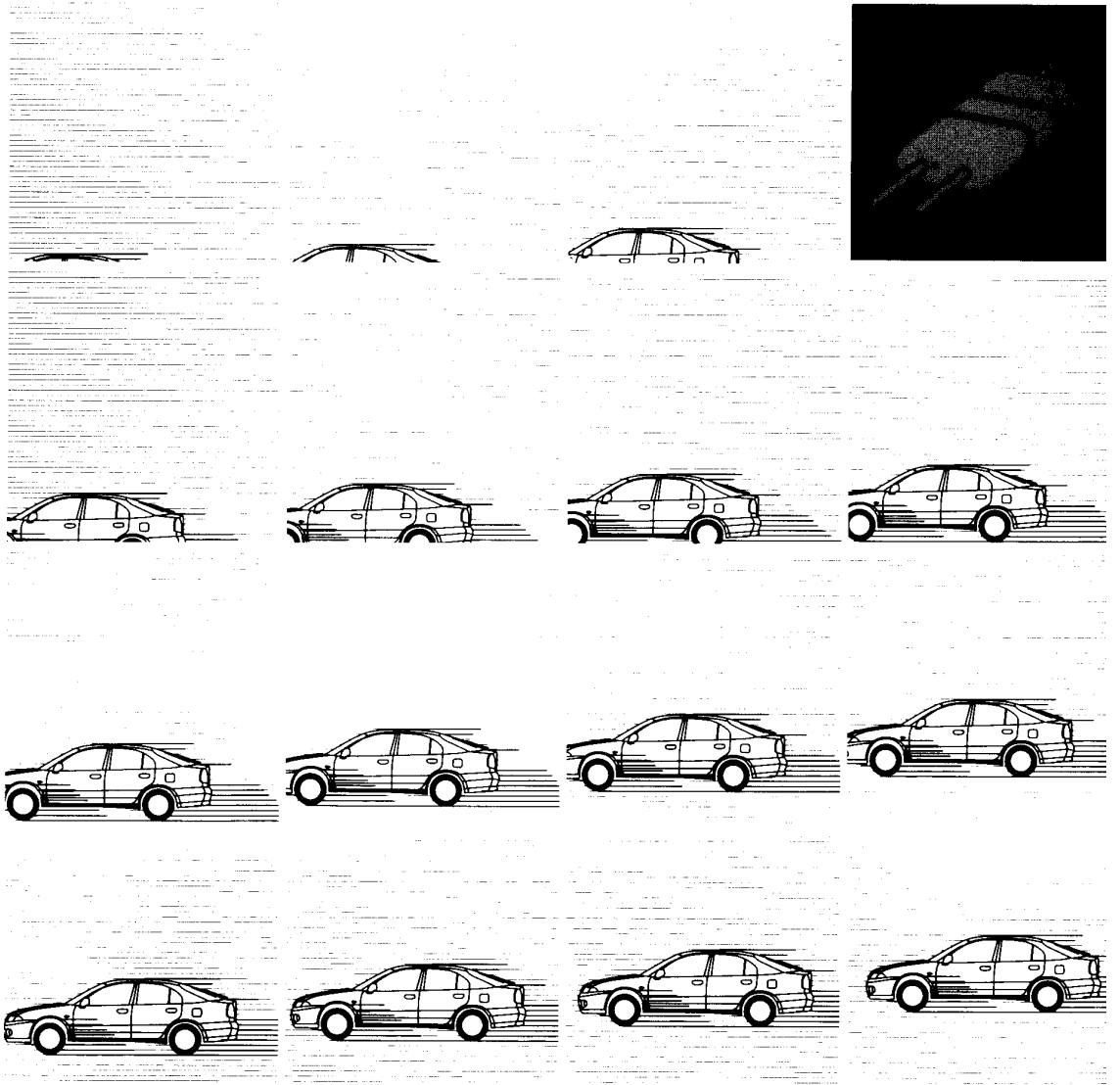




# Workshop Manual

## electrical wiring

### CARISMA '96, '97



Pub. No. PHDE9501-A

# CARISMA

## ELECTRICAL WIRING

## GROUP INDEX

00109000553

### FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring of Mitsubishi CARISMA edited in the form of wiring harness configuration diagrams and function-separated circuit diagrams.

It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

TECHNICAL INFORMATION MANUAL  
PYGE95E1

WORKSHOP MANUAL  
CHASSIS GROUP  
PWDE9502

BODY REPAIR MANUAL  
PBGE95E1

ENGINE GROUP  
PWDE□□□□  
(Looseleaf edition)

PARTS CATALOGUE  
N606C006D□

All information, illustrations and product descriptions contained in this manual are current as of time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.

HOW TO READ THE WIRING DIAGRAMS .....	1
WIRING HARNESS CONFIGURATION DIAGRAMS .....	2
SINGLE PART INSTALLATION POSITION .....	3
CIRCUIT DIAGRAM .....	4
INDEX .....	

 **MITSUBISHI MOTOR SALES**  
Europe B.V.

# HOW TO USE THIS MANUAL

00100010104

## **CONTENTS**

The preceding page contains GROUP INDEX that lists the group title and group number.

## **PAGE NUMBERS**

All page numbers consist of two sets of digits separated by a dash. The digits preceding the dash identify the number of the group. The digits following the dash represent the consecutive page number within the group. The page number can be found on the top left or right of each page.

## **OPERATION AND TROUBLESHOOTING HINTS**

In the GROUP 4 circuit diagrams, the operation and troubleshooting hints are given on the previous page or following page for each circuit where necessary.

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# HOW TO READ THE WIRING DIAGRAMS

## CONTENTS

00109000300

<b>MODELS .....</b>	<b>1-3</b>	<b>MARKINGS FOR CONNECTOR EARTHING .....</b>	<b>1-8</b>
<b>COMPOSITION AND CONTENTS OF WIRING DIAGRAMS .....</b>	<b>1-4</b>	<b>WIRE COLOUR CODES .....</b>	<b>1-11</b>
<b>HOW TO READ CONFIGURATION DIAGRAMS .....</b>	<b>1-5</b>	<b>ABBREVIATION SYMBOLS .....</b>	<b>1-12</b>
<b>HOW TO READ CIRCUIT DIAGRAMS .....</b>	<b>1-6</b>		



**1-2**

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**NOTES**

**MODELS**

00100030100

Model code		Engine model	Transmission model	Fuel supply system
DA1A	LNDEL6/R6	4G92-SOHC (1, 597mℓ)	F5MR1 (2WD-5M/T)	MPI
	LRDEL6/R6		F4A41 (2WD-4A/T)	
	LNJEL6/R6		F5MR1 (2WD-5M/T)	
	LRJEL6/R6		F4A41 (2WD-4A/T)	
DA2A	LNJEL6/R6	4G93-SOHC (1, 834mℓ)	F5MR2 (2WD-5M/T)	
	LRJEL6/R6		F4A42 (2WD-4A/T)	
	LNPEL6/R6		F5MR2 (2WD-5M/T)	
	LRPEL6/R6		F4A42 (2WD-4A/T)	
	LNGML6	4G93-DOHC (1, 834mℓ)	F5MR2 (2WD-5M/T)	

**COMPOSITION AND CONTENTS OF WIRING DIAGRAMS**

00100010111

- (1) This manual consists of wiring harness diagrams, installation locations of individual parts, circuits diagrams and index.
- (2) In each section, all specifications are listed, including optional specifications. Accordingly, some specifications may not be applicable for individual vehicles.

Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for each point of relays, electronic control units, sensors, solenoids, solenoid valves, diodes, inspection connectors, spare connectors, fusible links, fuses, etc. In the part's lists, parts are listed in alphabetical order.
Circuit diagrams	<p>Circuits from power supply to earth are shown completely, classified according to system. There is a main division into power circuits, and circuits classified by system. The circuits classified by system also include operation and troubleshooting hints.</p> <ul style="list-style-type: none"> <li>● Junction block The entire circuit for the junction block is described, because only the part of the junction block needed is normally shown in each circuit diagram.</li> <li>● Joint connectors The internal circuits for all joint connectors are described, because only the part needed is shown in each circuit diagram.</li> <li>● Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc.</li> <li>● Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections.</li> <li>● Operation The standard operation of each system is briefly described, following the route of current flow.</li> <li>● Troubleshooting hints This is a brief explanation of the inspection points that serve as hints when troubleshooting. Explanations of the circuits controlled by the electronic control unit are omitted. Refer to the related publications as required.</li> </ul>
Index	All components used are listed by connector number and component name.

# HOW TO READ CONFIGURATION DIAGRAMS

00100640044

The wiring harness diagrams clearly show the connector locations and harness routings at each site on actual vehicles.

Denotes connector No.  
The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.  
The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.

Example: A-12

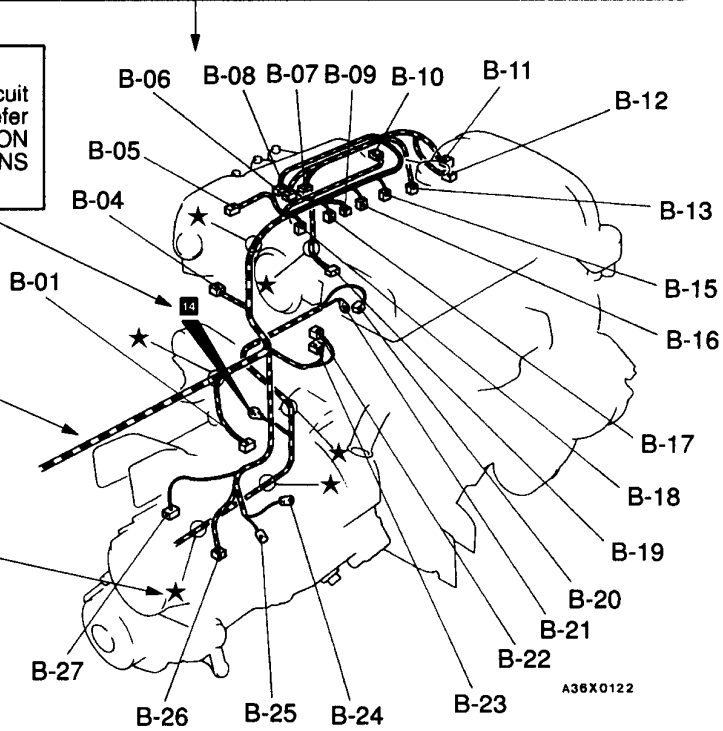
- Number specific to connector (serial number)
- Connector location site symbol
- A: Engine compartment
- B: Dash panel
- C: Instrument panel
- D: Floor and roof
- E: Door
- F: Luggage compartment

Denotes earth point.  
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to GROUP 3 SINGLE PART INSTALLATION POSITION – EARTH MOUNTING LOCATIONS for details of earth points.

Denotes a section covered by a corrugated tube.

The mark ★ shows the standard mounting position of wiring harness.

Indicates the device to which the connector is to be connected.



B-01 (3-B)	Vehicle speed sensor	B-16 (2-GR)	Injector No. 2
B-02 (6)	Distributor assembly	B-17 (2-GR)	Injector No. 3
B-03 (2)	Distributor assembly	B-18 (2-GR)	Injector No. 4
B-04 (6-B)	Idle speed control servo	B-19 (4)	Oxygen sensor (front)
B-05 (4-B)	Throttle position sensor	B-20 (1-BR)	Starter motor

The number of connector pins and the connector colour (except milk white) are shown for ease of retrieval.

Example: (2-B)

- Connector colour (milk white if no colour is indicated)
- Number of connector pins

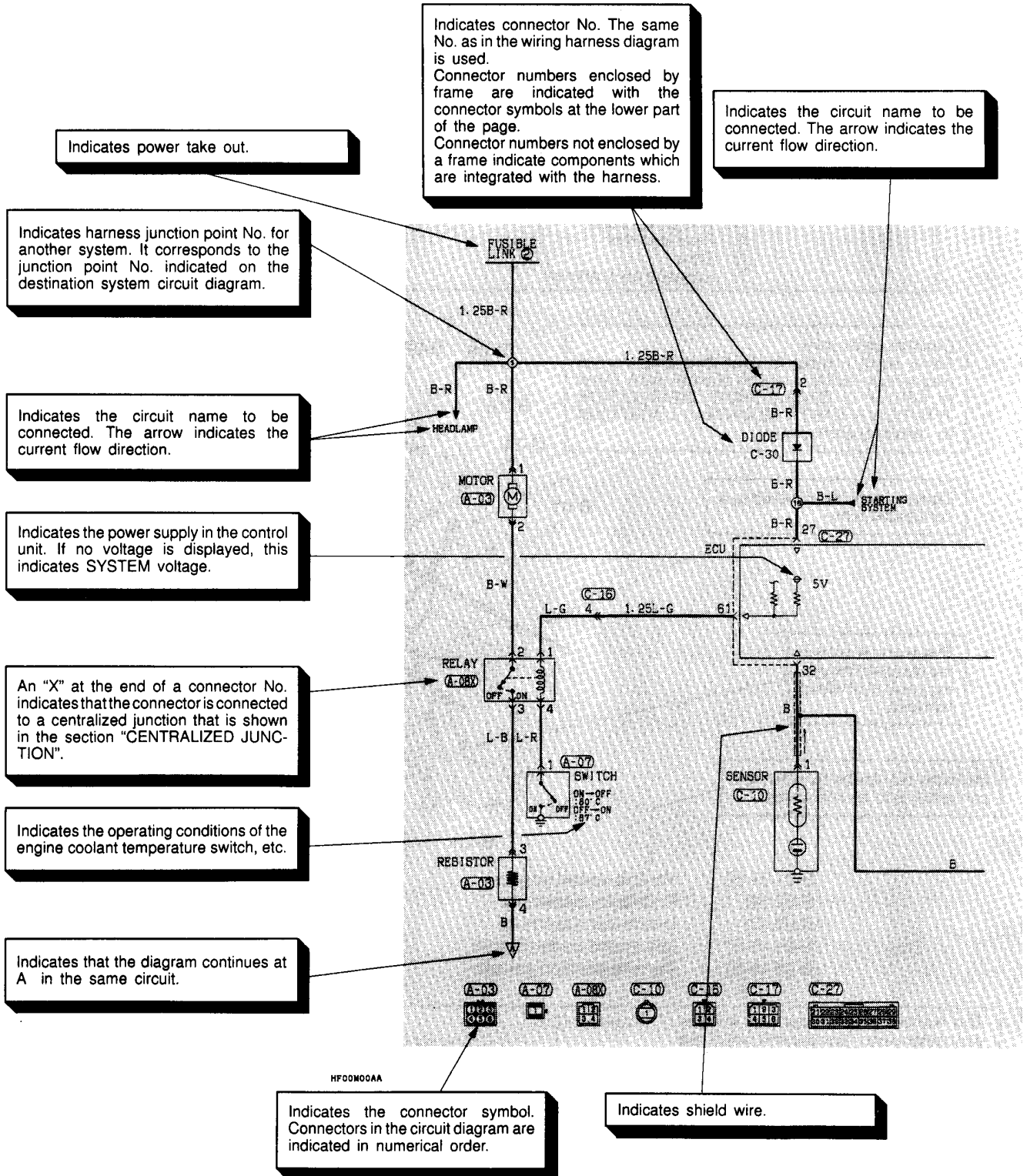
\*: Typical connector colours

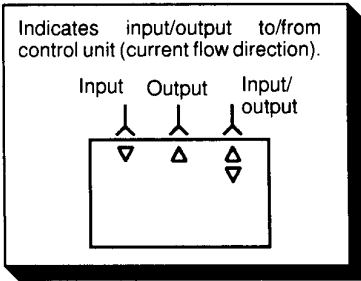
- B: Black
- Y: Yellow
- L: Blue
- G: Green
- R: Red
- BR: Brown
- V: Violet
- O: Orange
- GR: Gray

HOW TO READ CIRCUIT DIAGRAMS

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The circuit of each system from fuse (or fusible link) to earth is shown. The power supply is shown at the top and the earth at the bottom to facilitate understanding of the current flow.





A broken line indicates that these connectors are the same intermediate connectors.

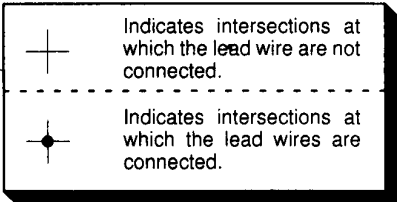
Indicates that the diagram comes from A in the same circuit.

Indicates terminal No.

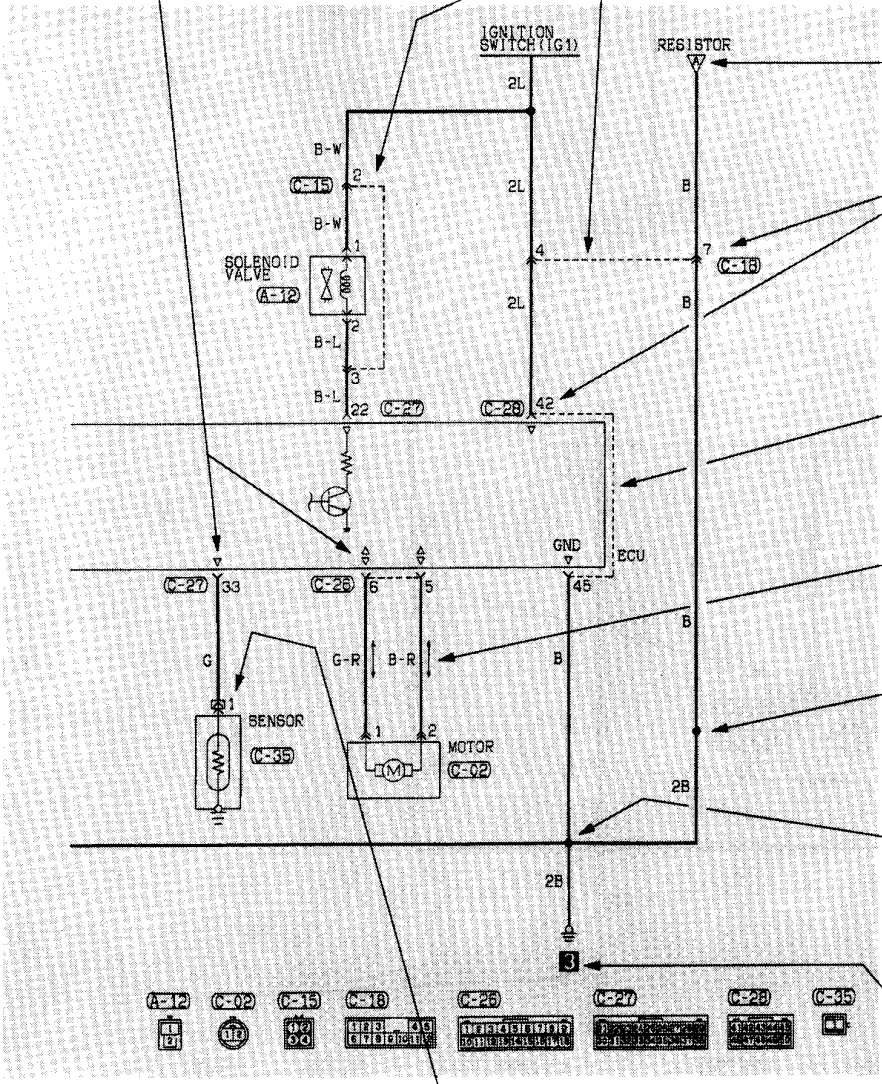
In case two or more connectors are connected to the same device, markings indicating the same connectors are connected by a broken line.

Indicates current flow downward or upward as controlled by the control unit.

Indicates harness junction where wire diameter or colour changes.



Indicates vehicle body earth point. (Same No. as that of earth point in wiring harness diagram and installation locations of individual parts.)

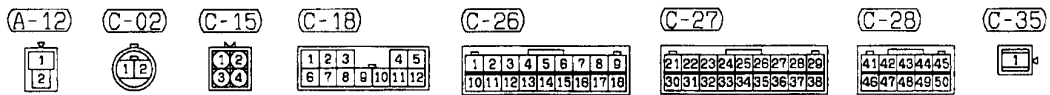
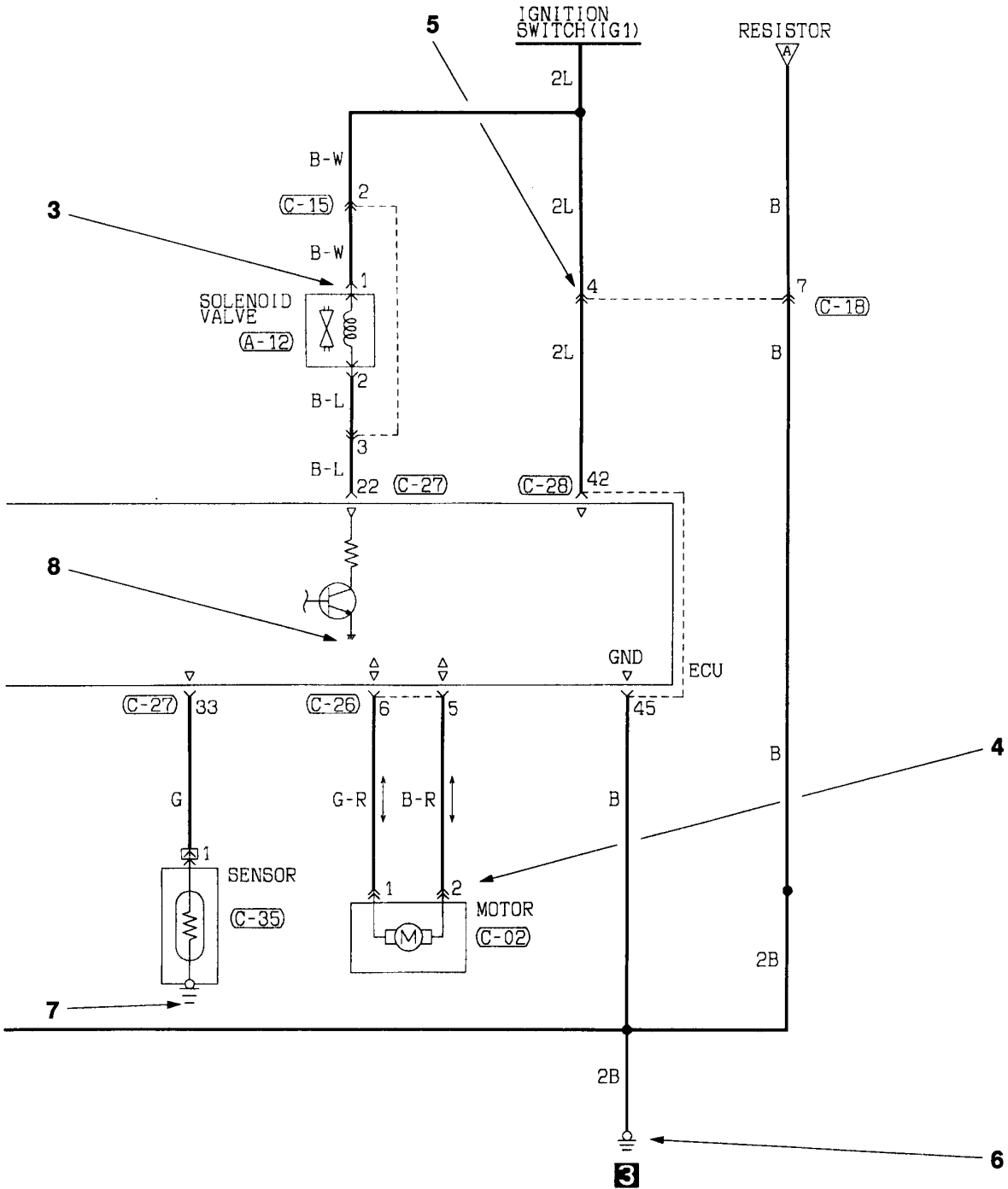


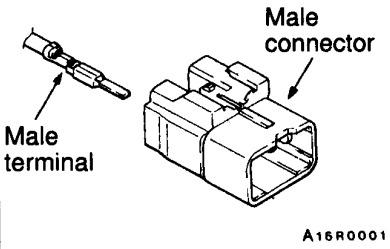

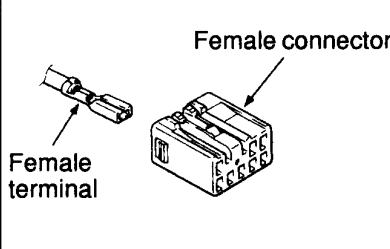

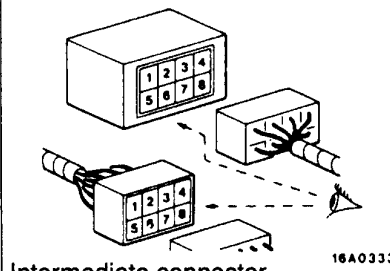

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Indicates that the terminal is a spare one if the device (sensors in this case) is not provided.


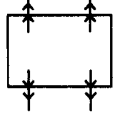
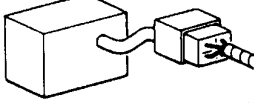
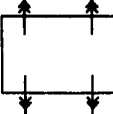
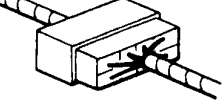

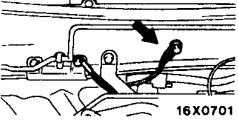

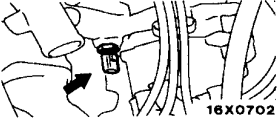



MARKINGS FOR CONNECTOR EARTHING

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Item	No.	Connector/Earthing	Symbol	Contents
Connector and terminal marking	1	 <p>Male terminal</p> <p>Male connector</p> <p>A16R0001</p>	<p>Male terminal</p> <p>↓</p> <p>Male connector</p> 	<p>The male and female terminals are indicated as shown. The connector with male terminal(s) is called as male connector and indicated by double connector contour lines, while the connector with female terminal(s) is called as female connector and indicated by single connector contour line.</p>
	-	 <p>Female terminal</p> <p>Female connector</p> <p>A16R0002</p>	<p>Female terminal</p> <p>Y</p> <p>Female connector</p> 	
Connector symbol marking	2	<p>Device</p>  <p>Intermediate connector</p> <p>16A0333</p>		<p>The symbol indicates the connector as viewed from illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, male connector symbol is shown.</p> <p>For the diagnosis connector, its contents differ from the previous description. Refer to "MUT-II operation instruction" in detail.</p>



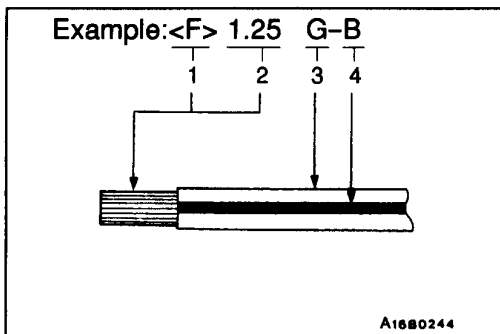
Item	No.	Connector/Earthing	Symbol	Contents
Connector connection marking	3	Direct connection type  <small>16X0700</small>		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished (harness connection type). The two types are indicated as illustrated.
	4	Harness connection type  <small>16A0334</small>		
	5	Intermediate connector  <small>16A0339</small>		
Earth markings	6	Body earth  <small>16X0701</small>		Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	7	Device earth  <small>16X0702</small>		
	8	Earth in control unit  <small>16X0703</small>		

**WIRE COLOUR CODES**

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Wire colours are identified by the follow colour codes.

Code	Wire colour	Code	Wire colour
B	Black	P	Pink
BR	Brown	R	Red
G	Green	SB	Sky blue
GR	Gray	SI	Silver
L	Blue	V	Violet
LG	Light green	W	White
O	Orange	Y	Yellow



If a cable has two colours, the first of the two colour code characters indicates the basic colour (colour of the cable coating) and the second indicates the marking colour

No.	Meaning
1	<F>:Flexible wire
	<T>:Twisted wire
2	Wire size(mm <sup>2</sup> )*
3	Basic colour (colour of the cable coating)
4	Marking colour

**NOTE**

\*: No code indicates 0.5 mm<sup>2</sup> (.0008 in<sup>2</sup>).  
 Cable colour code in parentheses indicates 0.3 mm<sup>2</sup> (.0005 in<sup>2</sup>).

**ABBREVIATION SYMBOLS**

00100810018

**1. Abbreviation symbols used for wiring harness**

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-lock braking system	J/B	Junction block
A/C	Air conditioner	J/C	Joint connector
ACC	Accessory	LH	Left hand
A/T	Automatic transmission	LHD	L.H. drive vehicles
DOHC	Double overhead camshaft engine	MPI	Multi-point injection
DRL	Daytime running lamp	M/T	Manual transmission
ECU	Electronic control unit	RH	Right hand
EGR	Exhaust gas recirculation	RHD	R.H. drive vehicles
GND	Earth	SOHC	Single overhead camshaft engine
ILL	Illumination lamp	SRS	Supplemental restraint system
IND	Indicator lamp	TCL	Traction control system

**2. Abbreviation symbols used for combination meters**

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-lock braking system warning lamp	REED	Reed switch
BEAM	High beam indicator lamp	SECURITY	Theft-alarm system indicator lamp
BRAKE	Brake warning lamp	SPEED	Speedometer
CHECK ENGINE	Check engine warning lamp	SRS	Supplemental restraint system warning lamp
CHG	Charging warning lamp	TACHO	Tachometer
CRUISE	Auto-cruise control system warning lamp	TCL	Traction control system on indicator lamp
DOOR	Door-ajar warning lamp	TCL OFF	Traction control system off indicator lamp
F/GA	Fuel gauge	T/GA	Engine coolant temperature gauge
FUEL	Low fuel warning lamp	TURN (LH)	Turn signal indicator lamp (L.H.)
HOLD	Hold indicator lamp	TURN (RH)	Turn signal indicator lamp (R.H.)
OIL	Oil pressure warning lamp	WASHER	Washer fluid level warning lamp
R/FOG	Rear fog lamp indicator lamp		

3. Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbols	Operation	Name of switches and relays	Abbreviation symbols	Operation	
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit will start	Door lock key cylinder switch	LOCK	Door lock	
				UN-LOCK	Door unlock	
	IG1	Even when at the ST (START) position, the power circuit will start	Blower switch	LO	Blower operates at low speed	
				ML	Blower operates at medium low speed	
	IG2	When at the ST (START) position, the power circuit will not start functioning		MH	Blower operates at medium high speed	
				HI	Blower operates at high speed	
Dimmer passing switch	LO	Low beams ON		Wind-shield wiper switch	LO	Wipers operate at low speed
	HI	High beams ON			HI	Wipers operate at high speed
Lighting switch	TAIL	Position, tail, licence plate and instrument panel lamps ON	Variable intermittent wiper control switch	INT	Wipers operate intermittently	
	HEAD	Headlamps ON		SLOW	Pause time for intermittent operation lengthen	
Room lamp switch	DOOR	Room lamp ON when a door is open		FAST	Pause time for intermittent operation shorten	
Turn signal switch	LH	L.H. turn signal lamps ON	Rear wiper switch	LO	Wiper operates at low speed	
	RH	R.H. turn signal lamps ON		INT	Wiper operates intermittently	
Power window switch	UP	Window closes	Remote control mirror switch	LH	L.H. mirror operates	
	DOWN	Window opens		RH	R.H. mirror operates	
	AUTO UP	Window is easily closed with one action	Sunroof switch	UP	Sunroof tilted up	
	AUTO DOWN	Window is easily opened with one action		DOWN	Sunroof tilted down	
Door lock actuator	LOCK	Door lock	Others	ON	Switched on	
	UN-LOCK	Door unlock		OFF	Switched off	
Heated seat switch	LO	Normal heating	A/C switch	ECONO	1st position (economical operation)	
	HI	Rapid heating		DRY	2nd position (full load operation)	

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# WIRING HARNESS CONFIGURATION DIAGRAMS

## CONTENTS

80109000142

### OVERALL WIRING DIAGRAM

L.H. drive vehicles .....	2-2
R.H. drive vehicles .....	2-3

### ENGINE COMPARTMENT

MPI-SOHC <L.H. drive vehicles> .....	2-4
MPI-SOHC <R.H. drive vehicles> .....	2-8
MPI-DOHC .....	2-12

### DASH PANEL

L.H. drive vehicles .....	2-16
R.H. drive vehicles .....	2-20

### INSTRUMENT PANEL

L.H. drive vehicles .....	2-24
R.H. drive vehicles .....	2-25

### FLOOR AND ROOF

L.H. drive vehicles .....	2-26
R.H. drive vehicles .....	2-28

### DOOR

L.H. drive vehicles .....	2-30
R.H. drive vehicles .....	2-31

### LUGGAGE COMPARTMENT .....

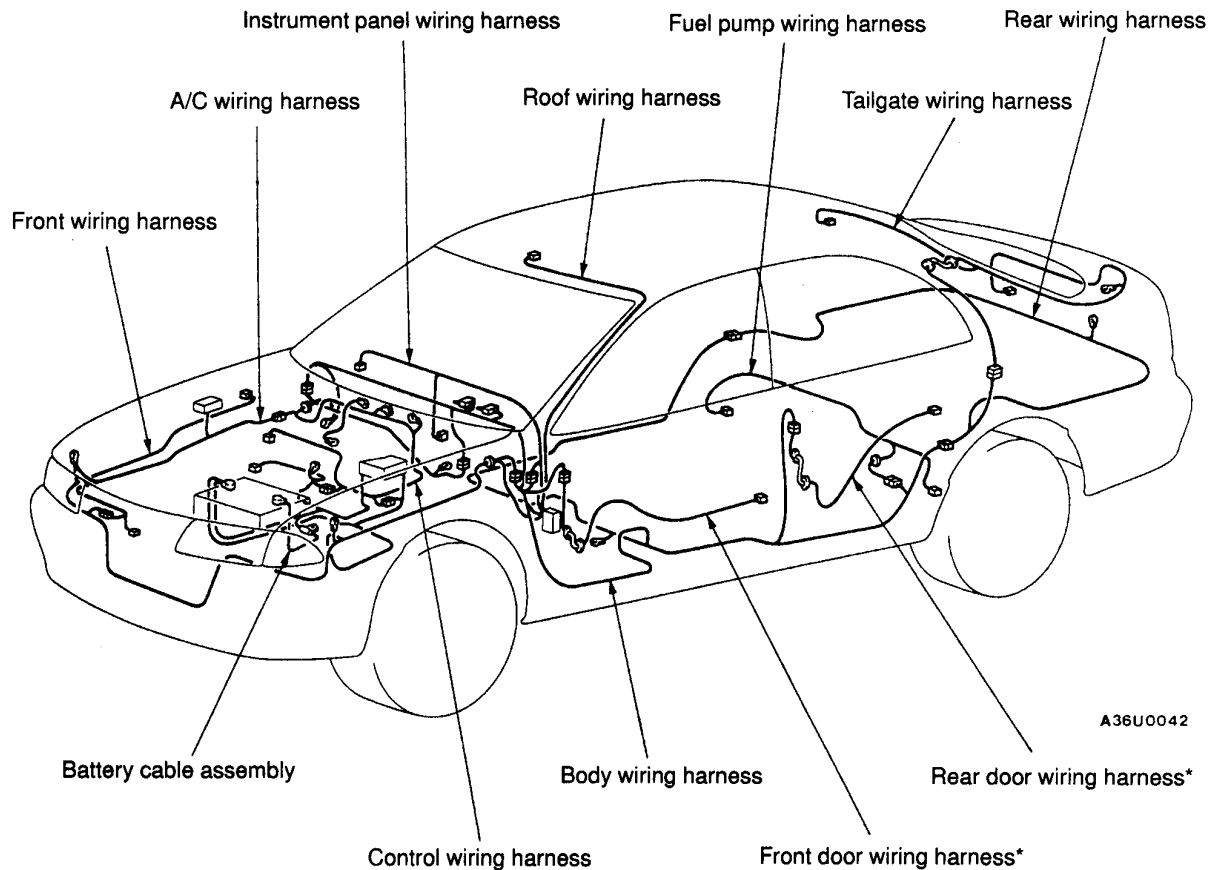
2-32

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## OVERALL WIRING DIAGRAM

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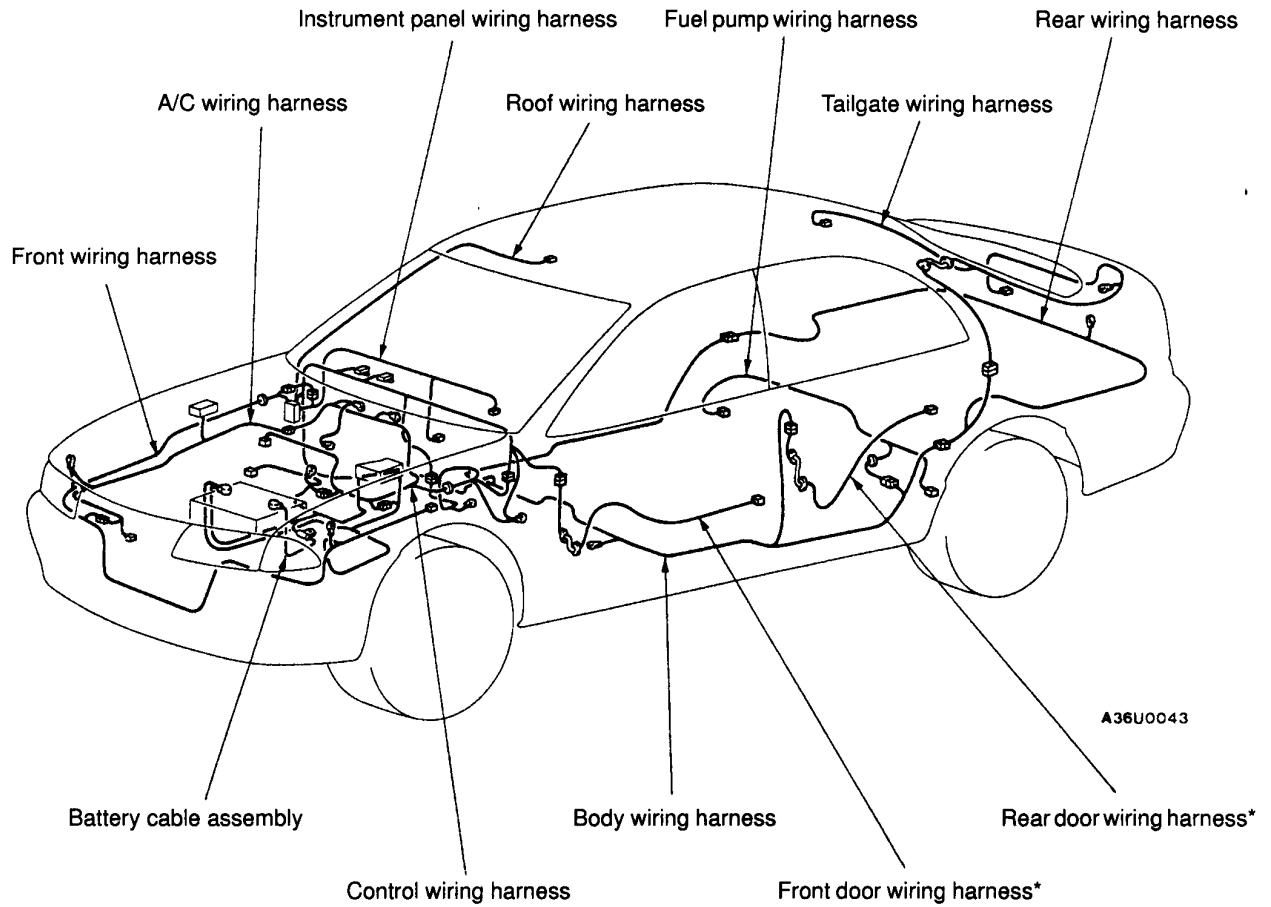
L.H. drive vehicles



## Remarks

- (1) This illustration shows only major wiring harnesses.
- (2) \*:also equipped at the right side.

R.H. drive vehicles



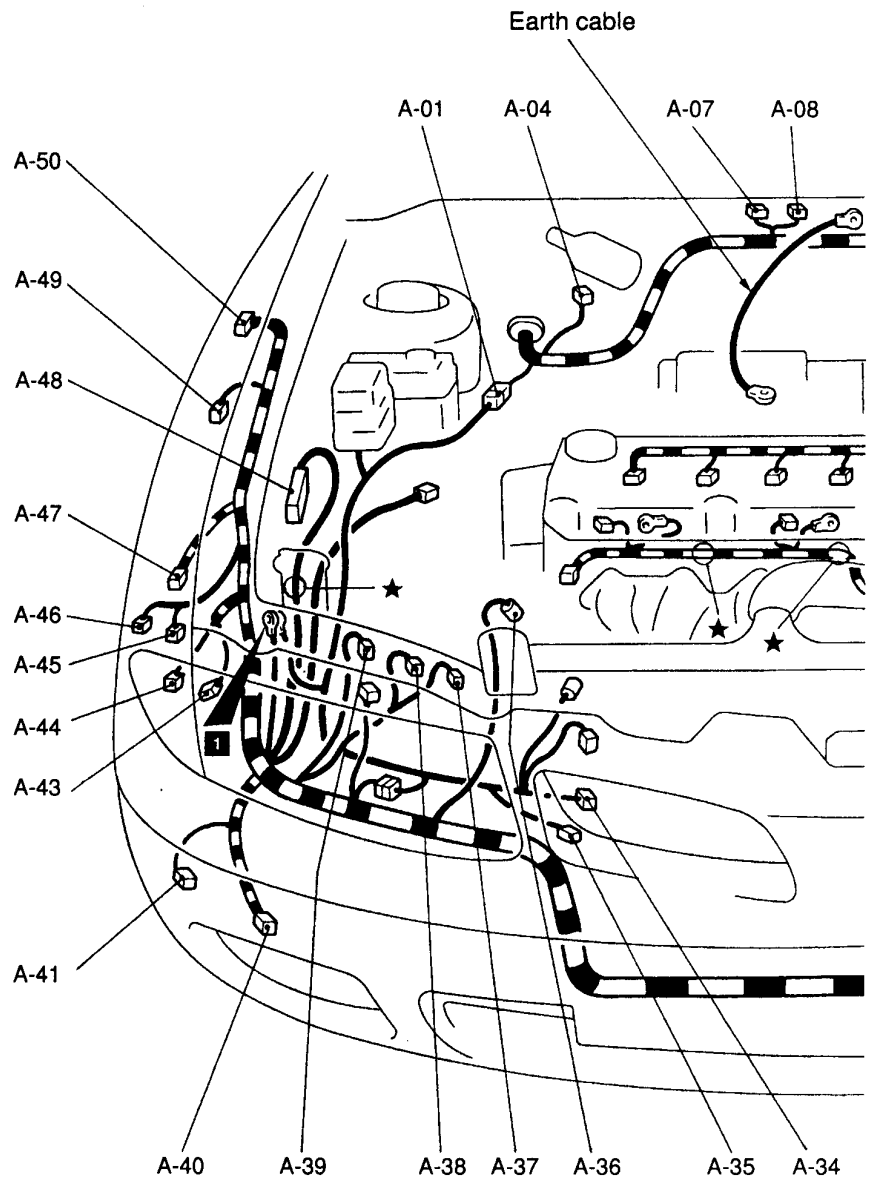
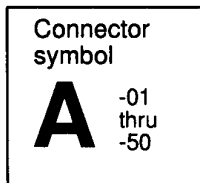
Remarks

- (1) This illustration shows only major wiring harnesses.
- (2) \*:also equipped at the right side.

## ENGINE COMPARTMENT

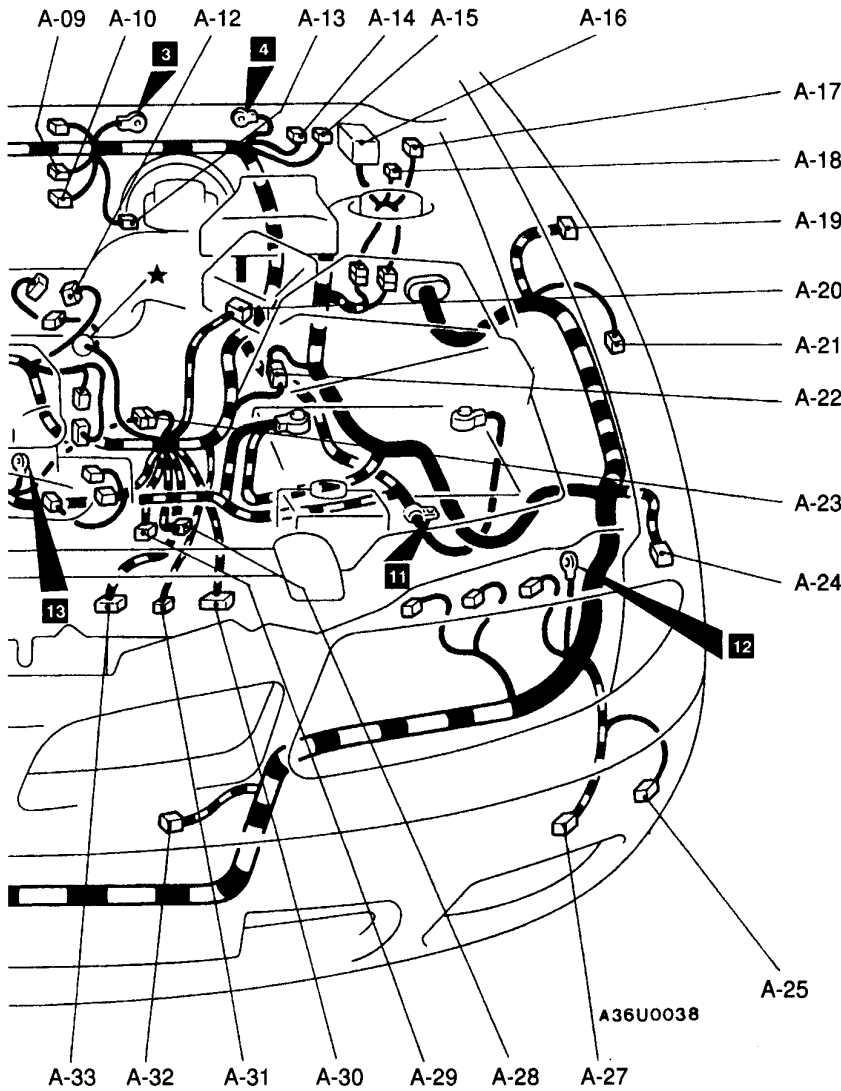
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## MPI-SOHC &lt;L.H. drive vehicles&gt;



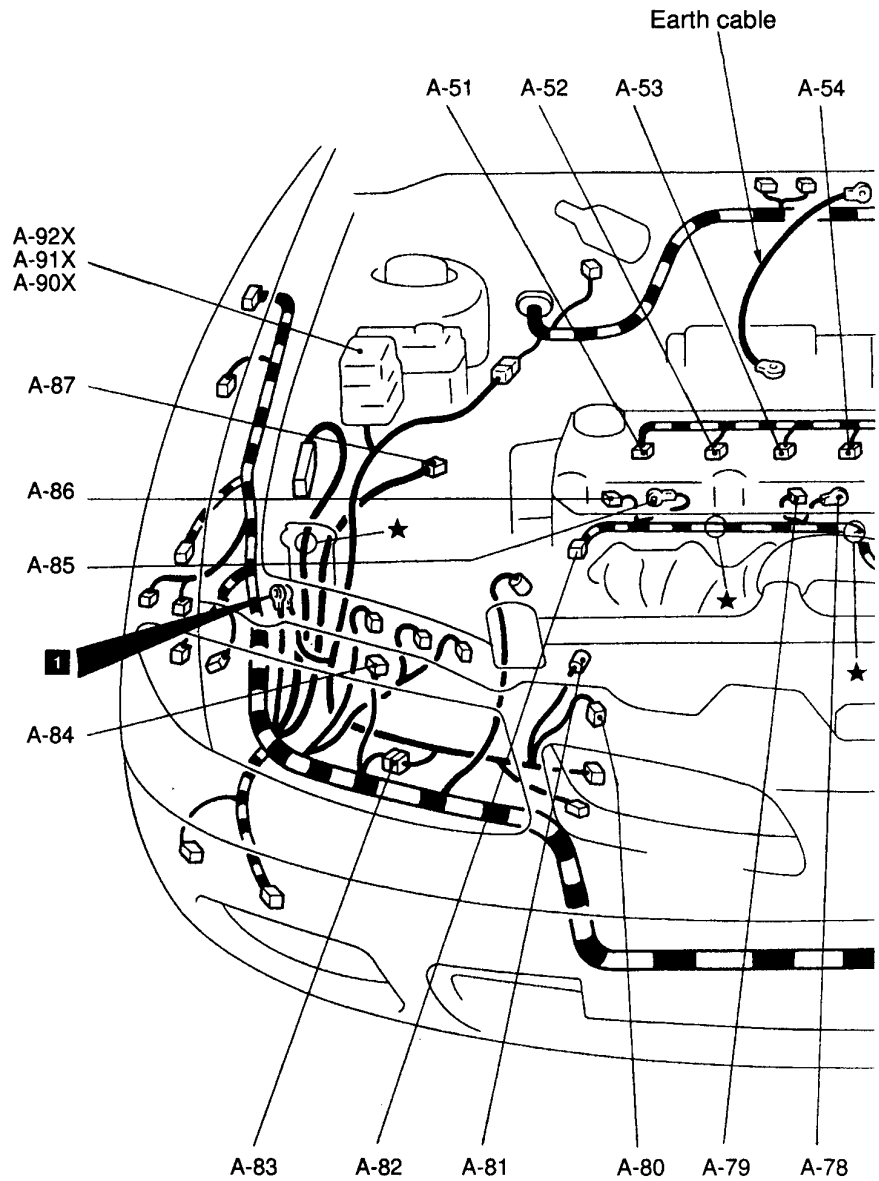
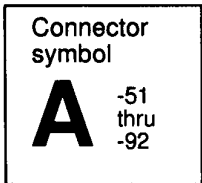
A-01 (4-B)	Control wiring harness and A/C wiring harness combination	A-19 (2-B)	Side turn signal lamp (LH)
A-04 (5-B)	Windshield wiper motor	A-20 (8-B)	Air flow sensor
A-07 (2-B)	Vacuum solenoid valve <TCL>	A-21 (2-B)	Front speed sensor (LH) <ABS>
A-08 (2-B)	Ventilation solenoid valve <TCL>	A-22 (6-B)	Front wiring harness and control wiring harness combination
A-09 (1-B)	Fuel pump check connector	A-23 (4-B)	Control wiring harness and battery cable assembly combination
A-10 (1-BR)	Ignition timing adjustment connector	A-24 (2-B)	Front turn signal lamp (LH)
A-12 (4-B)	Accelerator pedal position sensor <TCL>	A-25 (2-B)	Horn (LH)
A-13 (2-B)	Brake fluid level sensor	A-27 (2)	Front fog lamp (LH)
A-14 (2-B)	Purge control solenoid valve	A-28 (3-GR)	Input shaft speed sensor <A/T>
A-15 (2-B)	EGR solenoid valve	A-29 (3-B)	Output shaft speed sensor <A/T>
A-16 (12)	DRL-ECU	A-30 (10-GR)	ELC-4A/T control solenoid valve
A-17 (4)	DRL relay 1		
A-18 (4)	DRL relay 2		



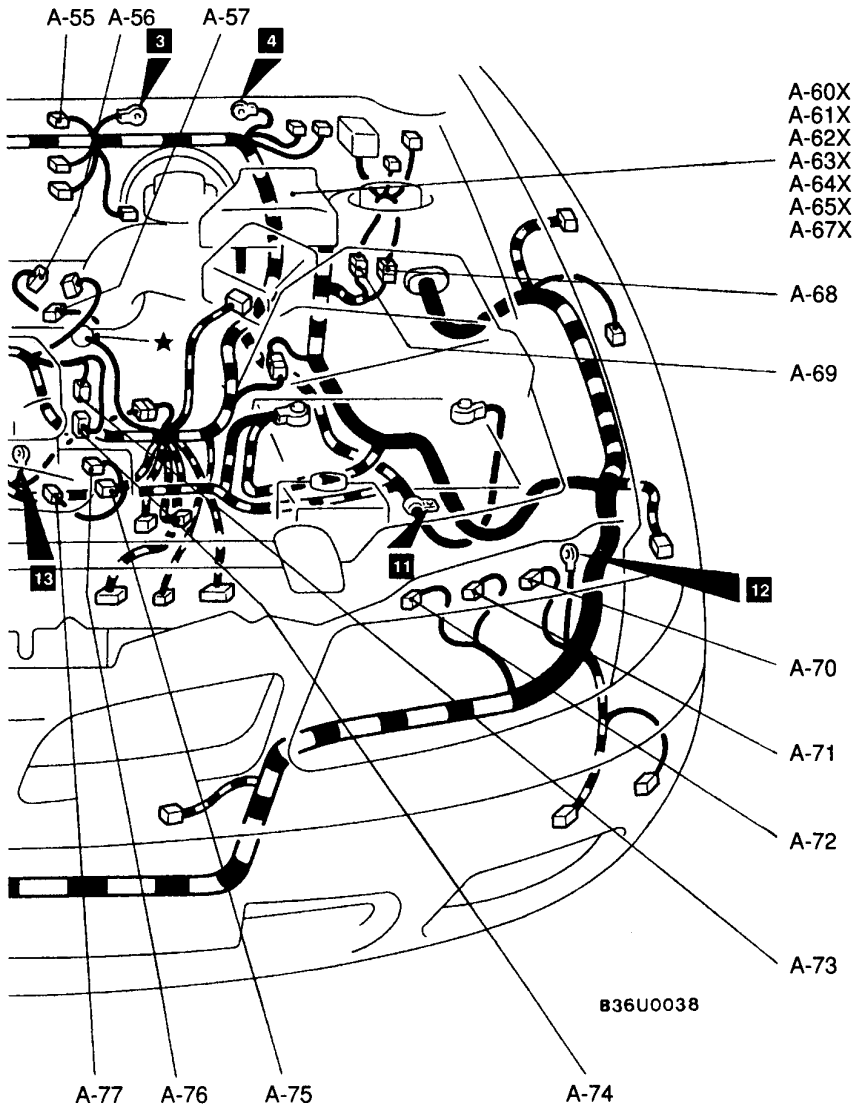


- |             |  |             |                               |
|-------------|--|-------------|-------------------------------|
| A-31 (2-G)  | Back-up lamp switch <M/T>  | A-40 (2)    | Front fog lamp (RH)           |
| A-32 (2-B)  | Radiator fan motor   | A-41 (2-B)  | Horn (RH)                     |
| A-33 (10-B) | Inhibitor switch <A/T>   | A-43 (2-BR) | Washer fluid level sensor     |
| A-34 (4)    | Condenser fan motor  | A-44 (2)    | Headlamp washer motor         |
| A-35 (2)    | Outside thermo sensor <Full-auto A/C><br>or no connection <Manual A/C> | A-45 (2)    | Rear washer motor             |
| A-36 (1)    | Power steering oil pressure switch                                     | A-46 (2)    | Windshield washer motor       |
| A-37 (2-B)  | Position lamp (RH)   | A-47 (2-B)  | Front turn signal lamp (RH)   |
| A-38 (3-B)  | Headlamp (RH)  | A-48 (40)   | ABS-ECU                       |
| A-39 (3-B)  | Headlamp leveling unit (RH)  | A-49 (2-B)  | Front speed sensor (RH) <ABS> |
|             |  | A-50 (2-B)  | Side turn signal lamp (RH)    |

MPI-SOHC <L.H. drive vehicles>



A-51 (2-GR)	Injector No.1	A-67X (5)	Horn relay <SRS>
A-52 (2-GR)	Injector No.2	A-68 (6-B)	Front wiring harness and DRL wiring harness combination
A-53 (2-GR)	Injector No.3	A-69 (6-B)	Front wiring harness and DRL wiring harness combination
A-54 (2-GR)	Injector No.4	A-70 (3-B)	Headlamp leveling unit (LH)
A-55 (4-B)	Auto-cruise control actuator	A-71 (3-B)	Headlamp (LH)
A-56 (4-B)	Throttle position sensor	A-72 (2-B)	Position lamp (LH)
A-57 (6-B)	Idle speed control servo	A-73 (2-B)	Distributor assembly
A-60X (5)	Theft-alarm horn relay	A-74 (6-B)	Distributor assembly
A-61X (5)	Tail lamp relay <DRL>	A-75 (1-B)	Engine coolant temperature gauge unit
A-62X (4)	Alternator relay	A-76 (2-B)	Engine coolant temperature sensor
A-63X (5)	Radiator fan relay		
A-64X (5)	Headlamp relay		
A-65X (5)	Headlamp washer relay		

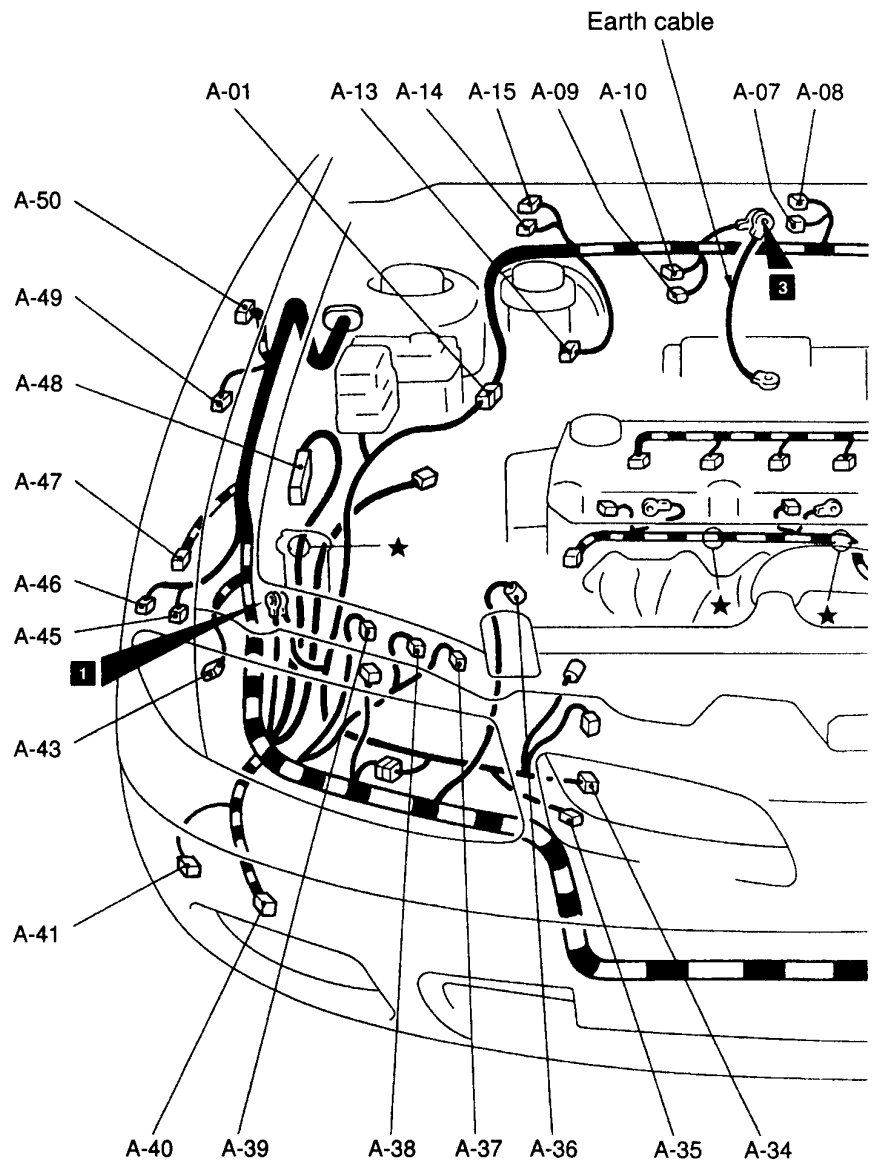
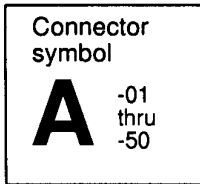


- |             |   |            |                                  |
|-------------|---|------------|----------------------------------|
| A-77 (2-GR) | Detonation sensor                                       | A-84 (2-B) | Hood switch <Theft-alarm system> |
| A-78 (1)    | Starter   | A-85 (1)   | Alternator                       |
| A-79 (1-B)  | Starter   | A-86 (2)   | Alternator                       |
| A-80 (2)    | Dual pressure switch                                    | A-87 (2-B) | Theft-alarm horn                 |
| A-81 (1)    | A/C refrigerant temperature switch and magnetic clutch  | A-90X (5)  | Condenser fan relay (LO)         |
| A-82 (1-B)  | Oil pressure switch                                     | A-91X (5)  | Condenser fan relay (HI)         |
| A-83 (8-B)  | Front wiring harness and A/C wiring harness combination | A-92X (5)  | A/C compressor relay             |

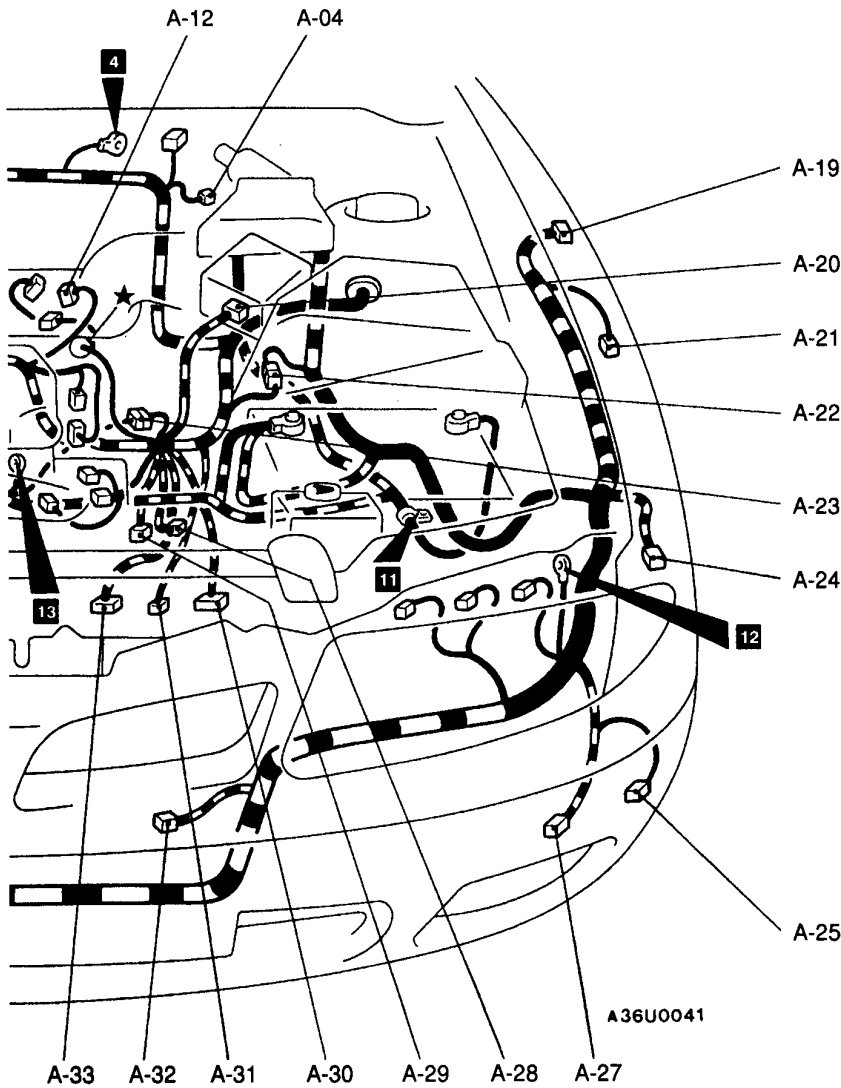
ENGINE COMPARTMENT

80100030645

MPI-SOHC <R.H. drive vehicles>

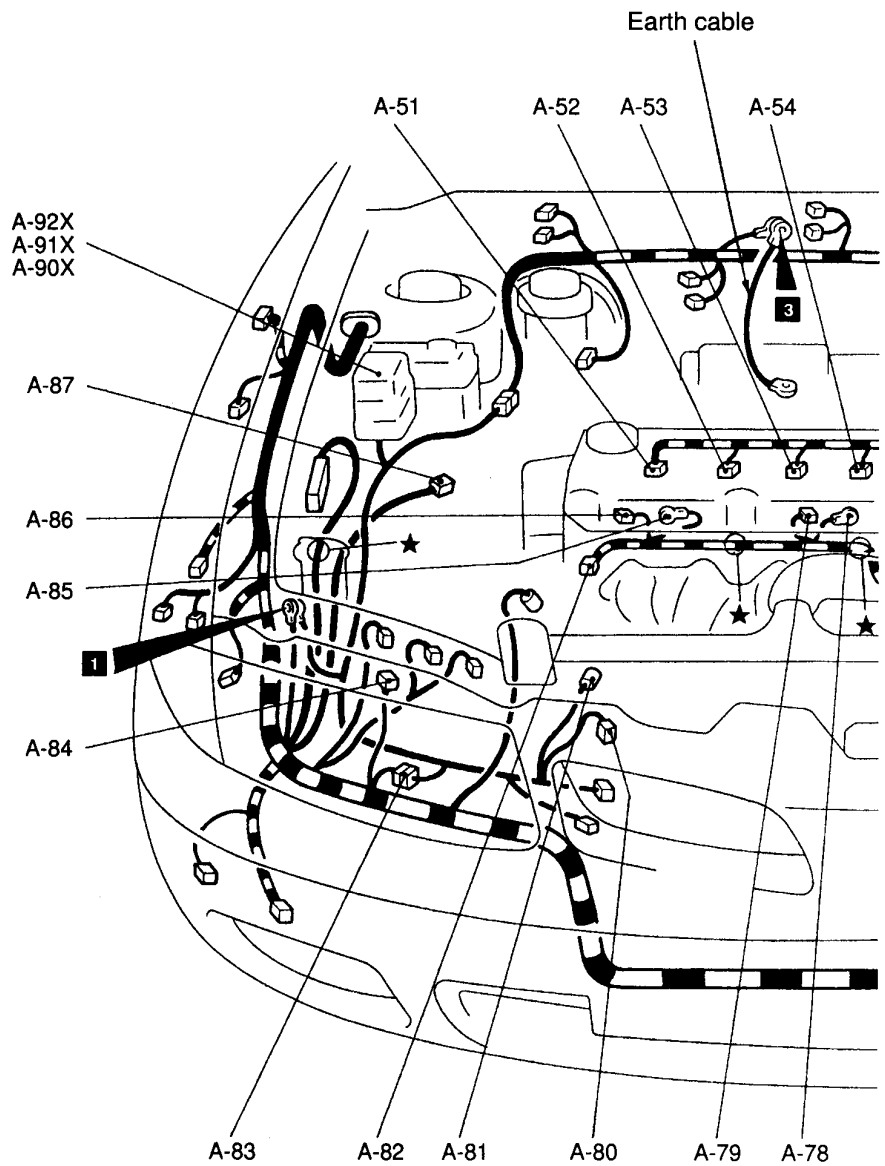
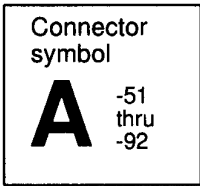


- |             |   |              |   |
|-------------|---|--------------|---|
| A-01 (4-B)  | Control wiring harness and A/C wiring harness combination | A-20 (8-B)   | Air flow sensor   |
| A-04 (5-B)  | Windshield wiper motor                                    | A-21 (2-B)   | Front speed sensor (LH) <ABS>                                 |
| A-07 (2-B)  | Vacuum solenoid valve <TCL>                               | A-22 (6-B)   | Front wiring harness and control wiring harness combination   |
| A-08 (2-B)  | Ventilation solenoid valve <TCL>                          | A-23 (4-B)   | Control wiring harness and battery cable assembly combination |
| A-09 (1-B)  | Fuel pump check connector                                 | A-24 (2-B)   | Front turn signal lamp (LH)                                   |
| A-10 (1-BR) | Ignition timing adjustment connector                      | A-25 (2-B)   | Horn (LH)   |
| A-12 (4-B)  | Accelerator pedal position sensor <TCL>                   | A-27 (2)     | Front fog lamp (LH)   |
| A-13 (2-B)  | Brake fluid level sensor                                  | A-28 (3-GR)  | Input shaft speed sensor <A/T>                                |
| A-14 (2-B)  | Purge control solenoid valve                              | A-29 (3-B)   | Output shaft speed sensor <A/T>                               |
| A-15 (2-B)  | EGR solenoid valve  | A-30 (10-GR) | ELC-4A/T control solenoid valve                               |
| A-19 (2-B)  | Side turn signal lamp (LH)                                |              |   |



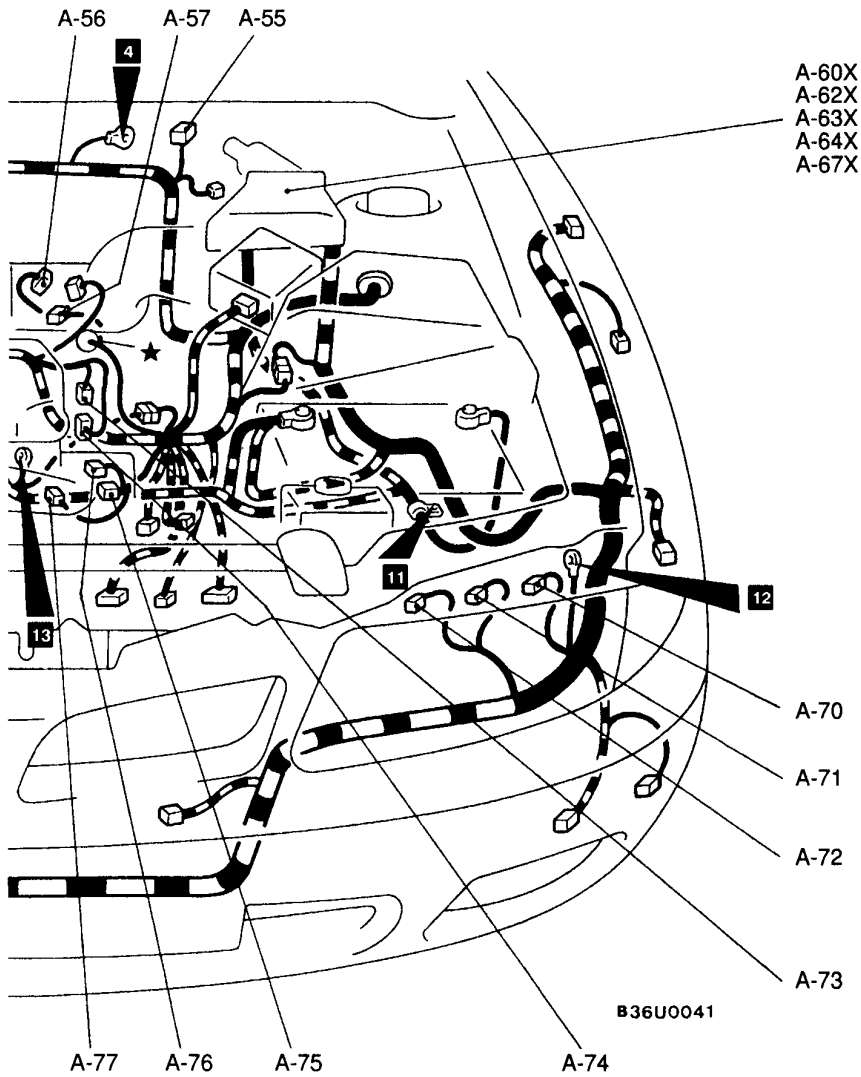
- |             |                                    |             |                               |
|-------------|------------------------------------|-------------|-------------------------------|
| A-31 (2-G)  | Back-up lamp switch <M/T>          | A-40 (2)    | Front fog lamp (RH)           |
| A-32 (2-B)  | Radiator fan motor                 | A-41 (2-B)  | Horn (RH)                     |
| A-33 (10-B) | Inhibitor switch <A/T>             | A-43 (2-BR) | Washer fluid level sensor     |
| A-34 (4)    | Condenser fan motor                | A-45 (2)    | Rear washer motor             |
| A-35 (2)    | No connection <Manual A/C>         | A-46 (2)    | Windshield washer motor       |
| A-36 (1)    | Power steering oil pressure switch | A-47 (2-B)  | Front turn signal lamp (RH)   |
| A-37 (2-B)  | Position lamp (RH)                 | A-48 (40)   | ABS-ECU                       |
| A-38 (3-B)  | Headlamp (RH)                      | A-49 (2-B)  | Front speed sensor (RH) <ABS> |
| A-39 (3-B)  | Headlamp leveling unit (RH)        | A-50 (2-B)  | Side turn signal lamp (RH)    |

MPI-SOHC <R.H. drive vehicles>



- A-51 (2-GR) Injector No.1
- A-52 (2-GR) Injector No.2
- A-53 (2-GR) Injector No.3
- A-54 (2-GR) Injector No.4
- A-55 (4-B) Auto-cruise control actuator
- A-56 (4-B) Throttle position sensor
- A-57 (6-B) Idle speed control servo
- A-60X (5) Theft-alarm horn relay
- A-62X (4) Alternator relay
- A-63X (5) Radiator fan relay

- A-64X (5) Headlamp relay
- A-67X (5) Horn relay <SRS>
- A-70 (3-B) Headlamp leveling unit (LH)
- A-71 (3-B) Headlamp (LH)
- A-72 (2-B) Position lamp (LH)
- A-73 (2-B) Distributor assembly
- A-74 (6-B) Distributor assembly
- A-75 (1-B) Engine coolant temperature gauge unit
- A-76 (2-B) Engine coolant temperature sensor



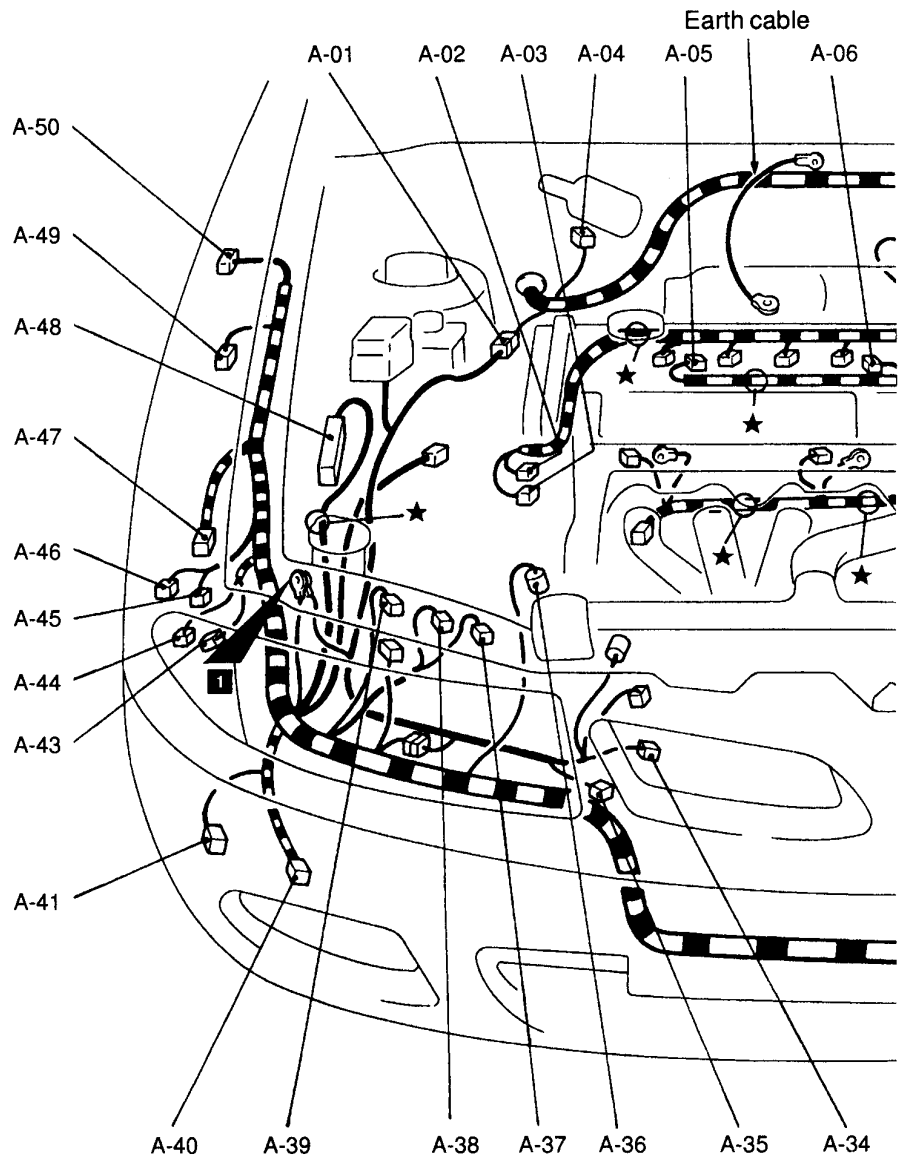
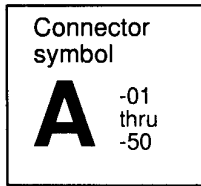
- A-77 (2-GR) Detonation sensor
- A-78 (1) Starter
- A-79 (1-B) Starter
- A-80 (2) Dual pressure switch
- A-81 (1) A/C refrigerant temperature switch and magnetic clutch
- A-82 (1-B) Oil pressure switch
- A-83 (8-B) Front wiring harness and A/C wiring harness combination

- A-84 (2-B) Hood switch <Theft-alarm system>
- A-85 (1) Alternator
- A-86 (2) Alternator
- A-87 (2-B) Theft-alarm horn
- A-90X (5) Condenser fan relay (LO)
- A-91X (5) Condenser fan relay (HI)
- A-92X (5) A/C compressor relay

ENGINE COMPARTMENT

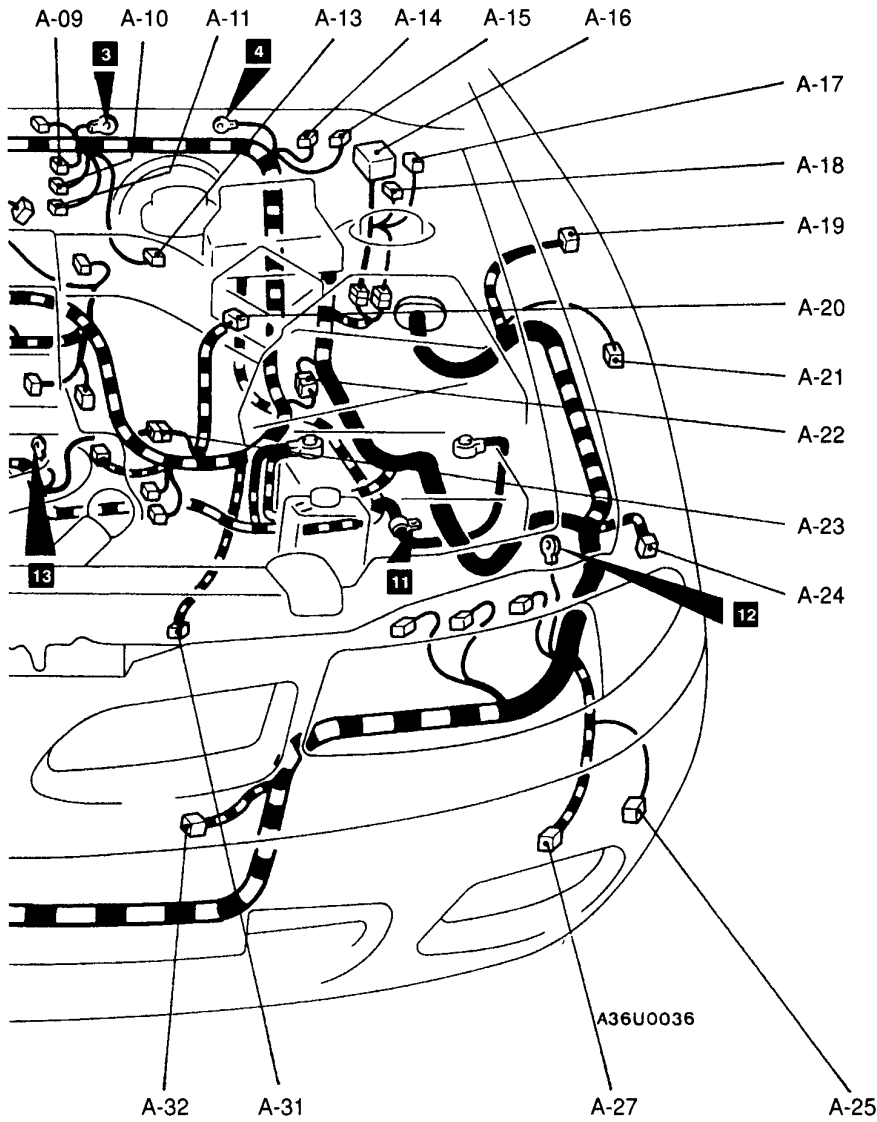
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MPI-DOHC



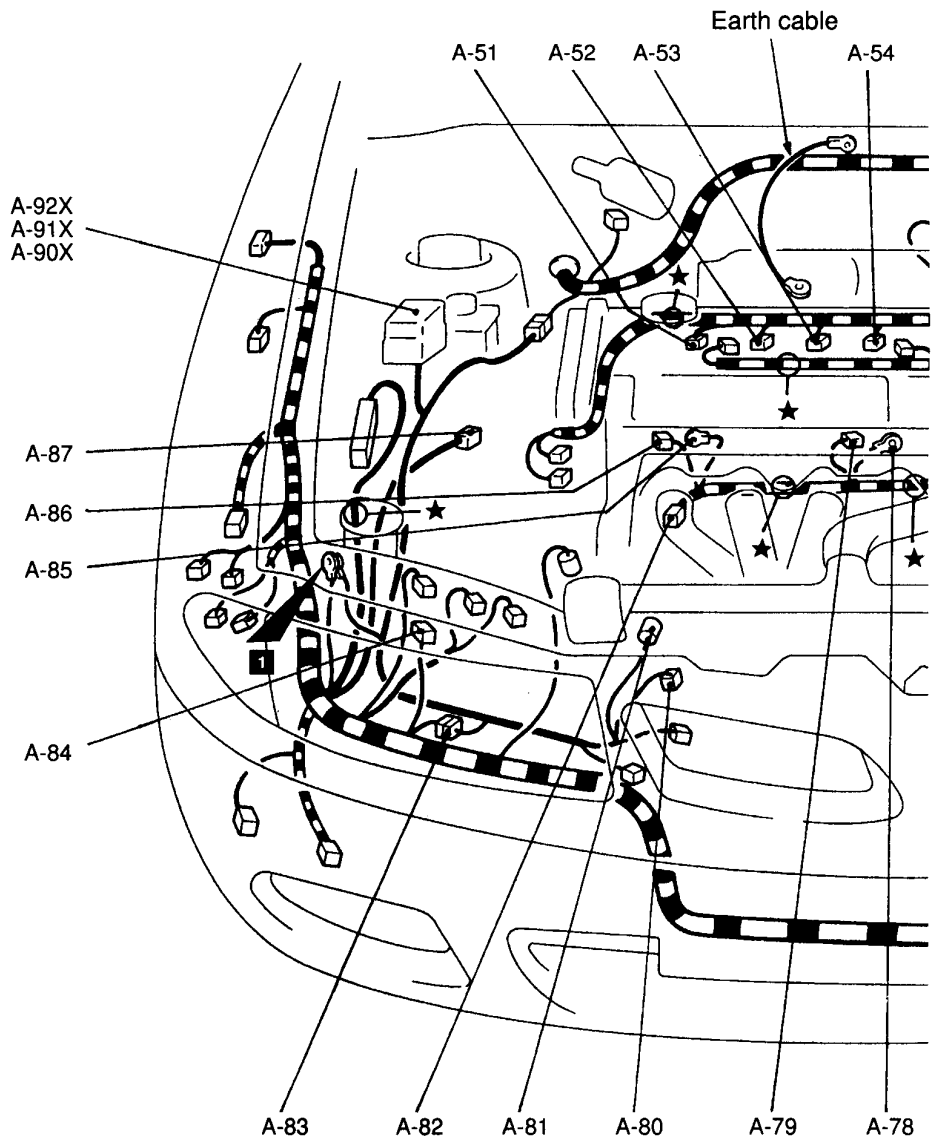
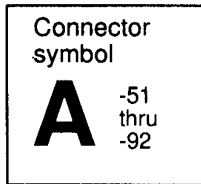
A-01 (4-B)	Control wiring harness and A/C wiring harness combination	A-16 (12)	DRL-ECU
A-02 (3-B)	Crank angle sensor	A-17 (4)	DRL relay 1
A-03 (3-GR)	Camshaft position sensor	A-18 (4)	DRL relay 2
A-04 (5-B)	Windshield wiper motor	A-19 (2-B)	Side turn signal lamp (LH)
A-05 (3-GR)	Ignition coil B	A-20 (8-B)	Air flow sensor
A-06 (3-GR)	Ignition coil A	A-21 (2-B)	Front speed sensor (LH) <ABS>
A-09 (1-B)	Fuel pump check connector	A-22 (6-B)	Front wiring harness and control wiring harness combination
A-10 (1-BR)	Ignition timing adjustment connector	A-23 (4-B)	Control wiring harness and battery cable assembly combination
A-11 (1-L)	Engine speed detection connector	A-24 (2-B)	Front turn signal lamp (LH)
A-13 (2-B)	Brake fluid level sensor	A-25 (2-B)	Horn (LH)
A-14 (2-B)	Purge control solenoid valve	A-27 (2)	Front fog lamp (LH)
A-15 (2-B)	EGR solenoid valve		



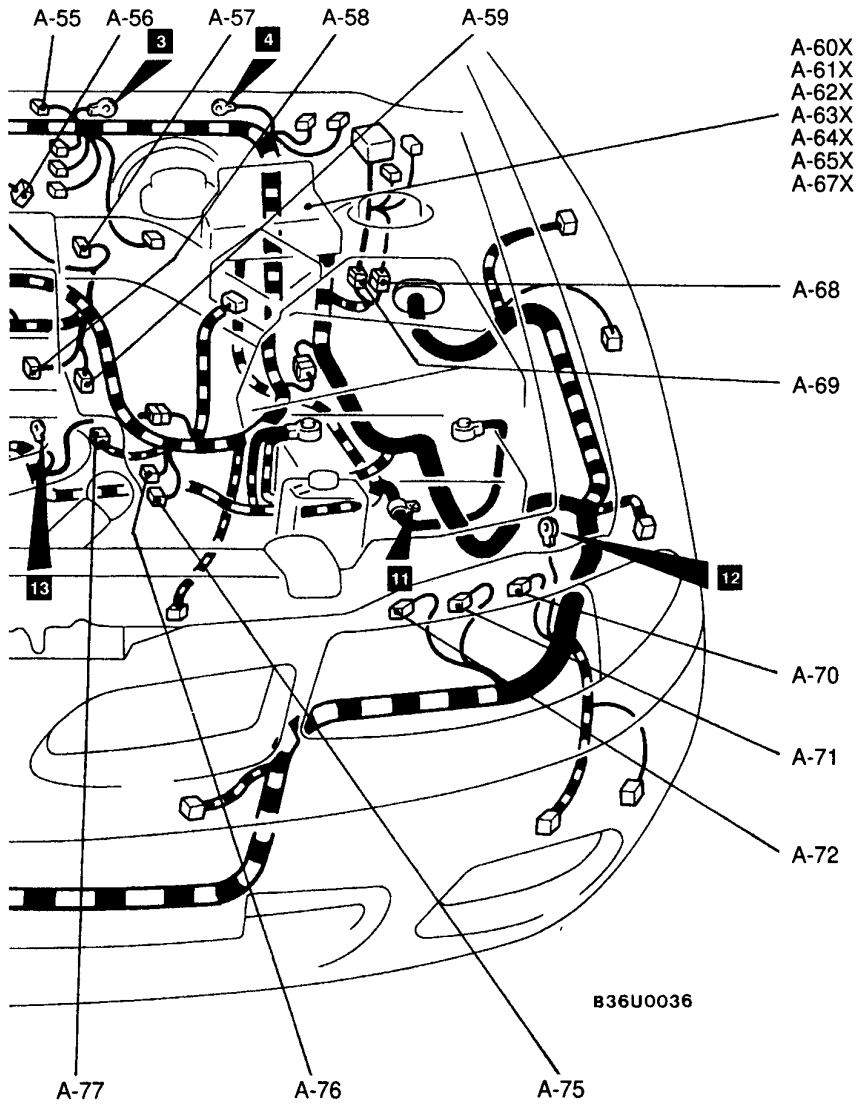


- |            |  |             |                               |
|------------|--|-------------|-------------------------------|
| A-31 (2-G) | Back-up lamp switch  | A-41 (2-B)  | Horn (RH)                     |
| A-32 (2-B) | Radiator fan motor   | A-43 (2-BR) | Washer fluid level sensor     |
| A-34 (4)   | Condenser fan motor  | A-44 (2)    | Headlamp washer motor         |
| A-35 (2)   | Outside thermo sensor <Full-auto A/C><br>or no connection <Manual A/C> | A-45 (2)    | Rear washer motor             |
| A-36 (1)   | Power steering oil pressure switch                                     | A-46 (2)    | Windshield washer motor       |
| A-37 (2-B) | Position lamp (RH)   | A-47 (2-B)  | Front turn signal lamp (RH)   |
| A-38 (3-B) | Headlamp (RH)  | A-48 (40)   | ABS-ECU                       |
| A-39 (3-B) | Headlamp leveling unit (RH)  | A-49 (2-B)  | Front speed sensor (RH) <ABS> |
| A-40 (2)   | Front fog lamp (RH)  | A-50 (2-B)  | Side turn signal lamp (RH)    |

MPI-DOHC



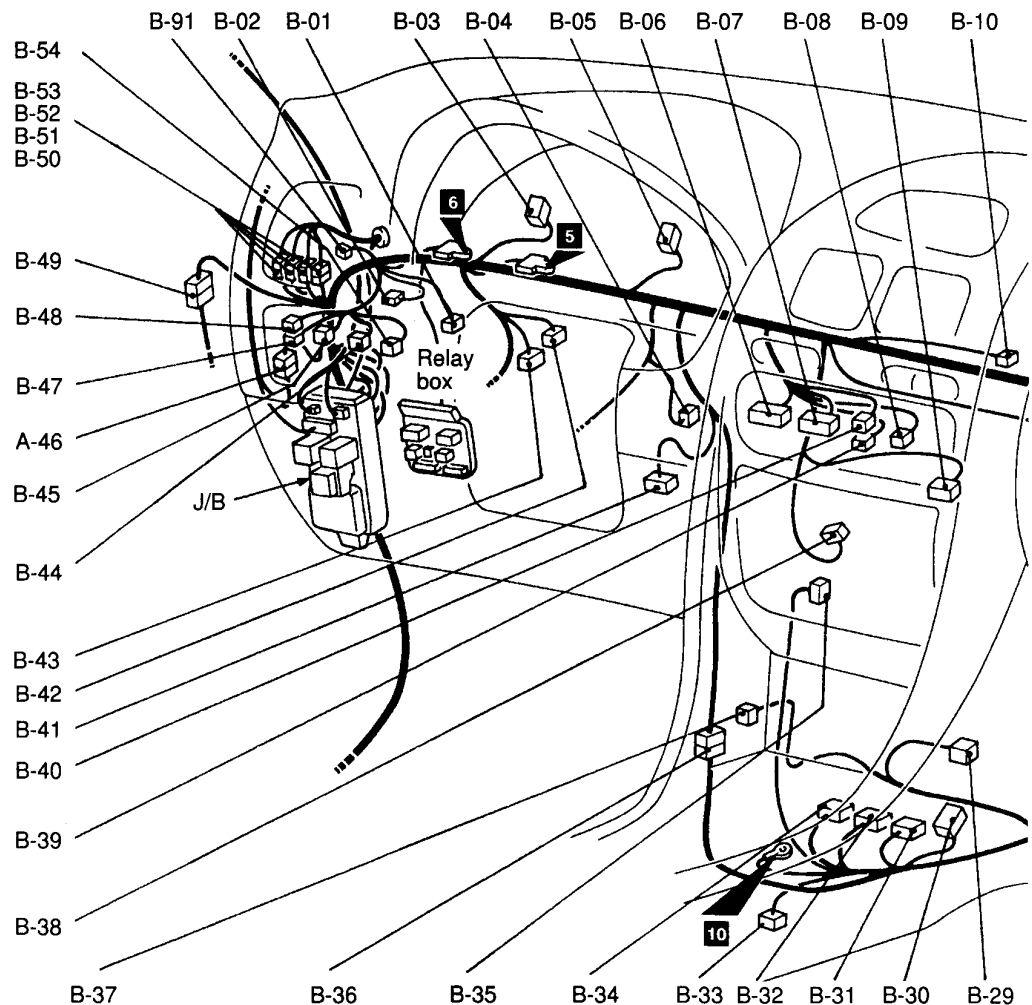
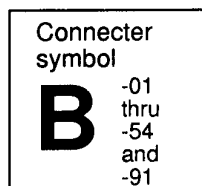
- |             |                              |            |   |
|-------------|------------------------------|------------|---|
| A-51 (2-GR) | Injector No.1                | A-64X (5)  | Headlamp relay  |
| A-52 (2-GR) | Injector No.2                | A-65X (5)  | Headlamp washer relay                                   |
| A-53 (2-GR) | Injector No.3                | A-67X (5)  | Horn relay <SRS>  |
| A-54 (2-GR) | Injector No.4                | A-68 (6-B) | Front wiring harness and DRL wiring harness combination |
| A-55 (4-B)  | Auto-cruise control actuator | A-69 (6-B) | Front wiring harness and DRL wiring harness combination |
| A-56 (4-B)  | Throttle position sensor     | A-70 (3-B) | Headlamp leveling unit (LH)                             |
| A-57 (6-B)  | Idle speed control servo     | A-71 (3-B) | Headlamp (LH)   |
| A-58 (1-B)  | Oil pressure switch          | A-72 (2-B) | Position lamp (LH)                                      |
| A-59 (4-B)  | Ignition failure sensor      | A-75 (1-B) | Engine coolant temperature gauge unit                   |
| A-60X (5)   | Theft-alarm horn relay       | A-76 (2-B) | Engine coolant temperature sensor                       |
| A-61X (5)   | Tail lamp relay <DRL>        |            |   |
| A-62X (4)   | Alternator relay             |            |   |
| A-63X (5)   | Radiator fan relay           |            |   |



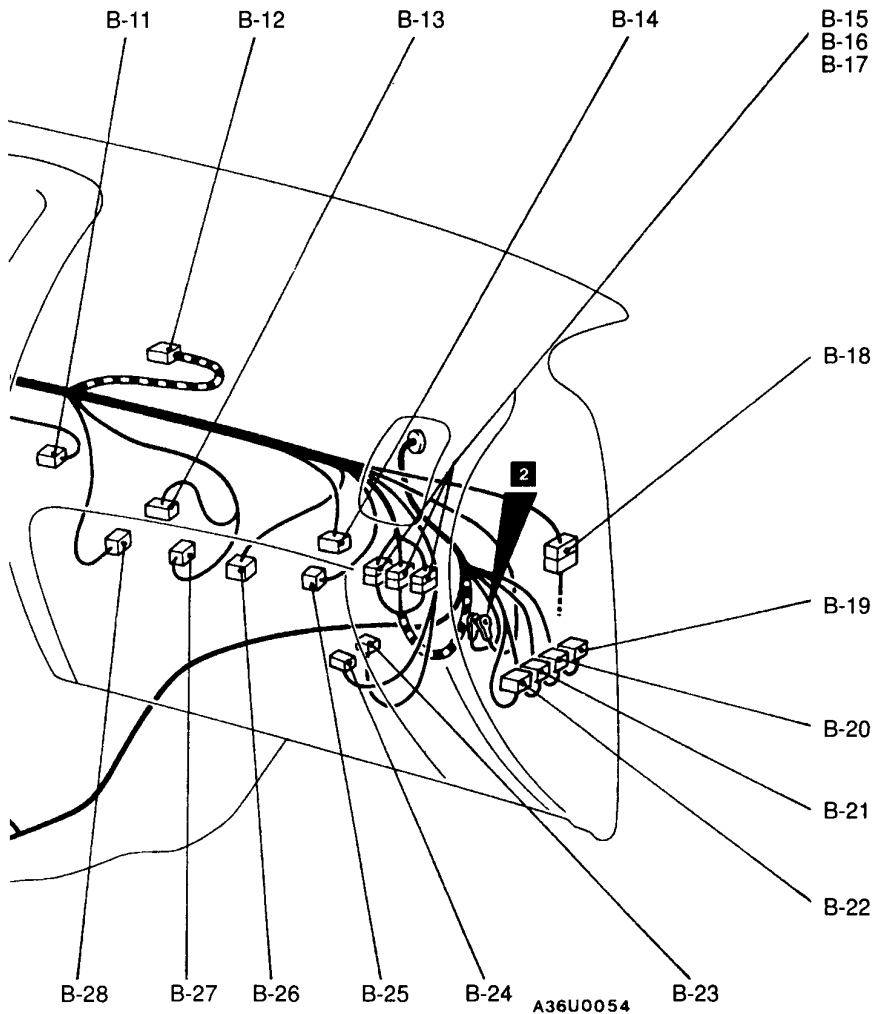
- |             |   |            |                                  |
|-------------|---|------------|----------------------------------|
| A-77 (2-GR) | Detonation sensor                                       | A-84 (2-B) | Hood switch <Theft-alarm system> |
| A-78 (1)    | Starter   | A-85 (1)   | Alternator                       |
| A-79 (1-B)  | Starter   | A-86 (2)   | Alternator                       |
| A-80 (2)    | Dual pressure switch                                    | A-87 (2-B) | Theft-alarm horn                 |
| A-81 (1)    | A/C refrigerant temperature switch and magnetic clutch  | A-90X (5)  | Condenser fan relay (LO)         |
| A-82 (1-B)  | No connection   | A-91X (5)  | Condenser fan relay (HI)         |
| A-83 (8-B)  | Front wiring harness and A/C wiring harness combination | A-92X (5)  | A/C compressor relay             |

## DASH PANEL

## L.H. drive vehicles

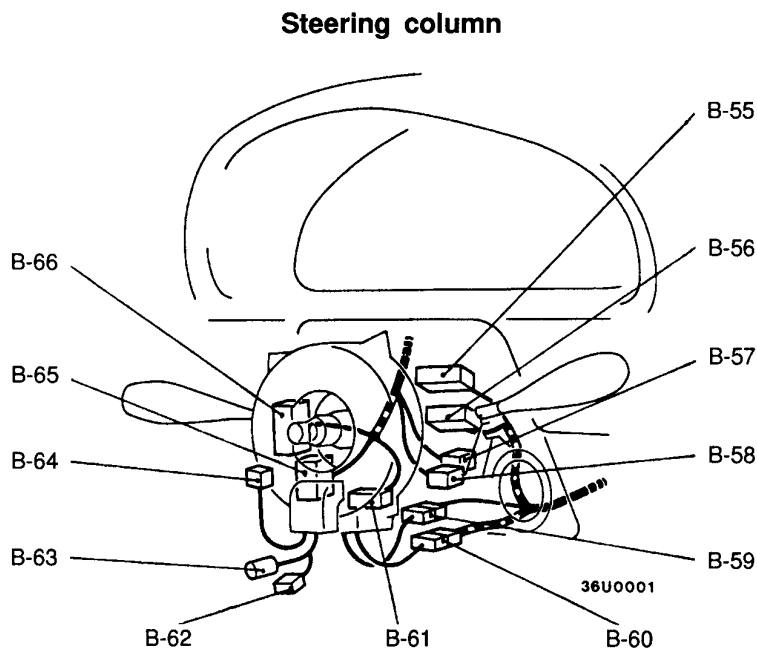
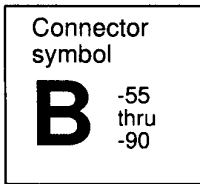


B-01 (2)	Clutch switch <Auto-cruise control system>	B-15 (4)	Control wiring harness and body wiring harness combination
B-02 (16-B)	Immobilizer-ECU	B-16 (18)	Control wiring harness and body wiring harness combination
B-03 (25)	Combination meter	B-17 (22)	Control wiring harness and body wiring harness combination <TCL or auto-cruise control system>
B-04 (6)	Mode selection damper control motor <Full-auto A/C>	B-18 (20)	Front door wiring harness (Passenger's side) and body wiring harness combination
B-05 (25)	Combination meter	B-19 (26-Y)	Engine-ECU
B-06 (16-B)	A/C control panel and ECU assembly <Full-auto A/C>	B-20 (16-Y)	Engine-ECU
B-07 (20-B)	A/C control panel and ECU assembly <Full-auto A/C>	B-21 (12-Y)	Engine-ECU
B-08 (2)	Blower control illumination lamp <Heater and manual A/C>	B-22 (22-Y)	Engine-ECU
B-09 (14)	Radio and tape player	B-23 (4)	Blower high speed relay <Full-auto A/C>
B-10 (2)	Photosensor <Full-auto A/C>	B-24 (2)	Blower motor
B-11 (2)	Heater water temperature sensor <Full-auto A/C>	B-25 (12)	Automatic compressor ECU <Manual A/C>
B-12 (2-R)	Air bag module (squib) (Passenger's side)	B-26 (4)	Resistor <Heater or manual A/C>
B-13 (4)	Air purifier <Full-auto A/C>	B-27 (4)	Power transistor <Full-auto A/C>
B-14 (6)	Outside/inside air selection damper motor <Full-auto A/C>	B-28 (2-B)	Air thermo sensor <A/C>
		B-29 (4)	A/T relay

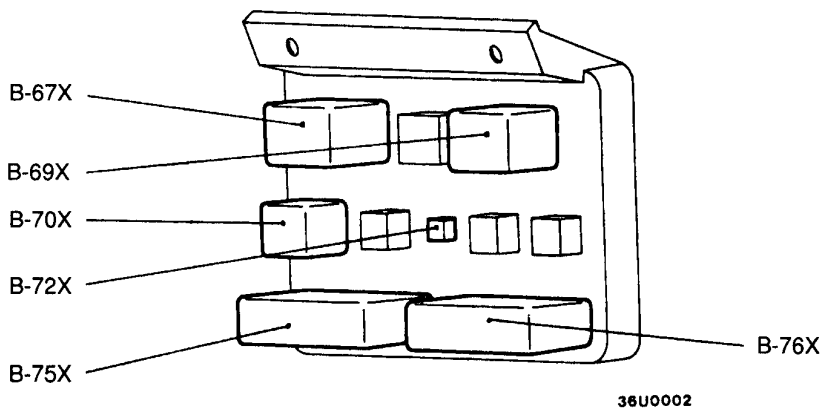


B-30 (8)	Engine control relay	B-44 (12)	Remote controlled mirror switch
B-31 (22-L)	ELC-4A/T-ECU	B-45 (6)	Headlamp leveling switch
B-32 (16-L)	ELC-4A/T-ECU	B-46 (10)	Instrument panel wiring harness and body wiring harness combination
B-33 (4)	Oxygen sensor	B-47 (4)	Rear fog lamp switch
B-34 (26-L)	ELC-4A/T-ECU	B-48 (6)	Front fog lamp switch
B-35 (18)	Auto-cruise ECU	B-49 (32-B)	Front door wiring harness (Driver's side) and body wiring harness combination
B-36 (14)	Control wiring harness and body wiring harness combination <A/T>	B-50 (22-GR)	Front wiring harness and body wiring harness combination
B-37 (2-B)	Kickdown switch <A/T>	B-51 (1)	Front wiring harness and body wiring harness combination
B-38 (6)	Air mixing damper control motor <Full-auto A/C>	B-52 (18)	Front wiring harness and body wiring harness combination
B-39 (6)	A/C switch <Manual A/C>	B-53 (10-B)	Front wiring harness and body wiring harness combination
B-40 (8)	Blower switch <Heater or manual A/C>	B-54 (3)	Rheostat or jumper connector
B-41 (16-B)	Diagnosis connector	B-91 (3)	Diode
B-42 (3-B)	Stop lamp switch <Vehicles without auto-cruise control system> or no connection <Vehicles with auto-cruise control system>		
B-43 (4-BR)	Stop lamp switch <Vehicles with auto-cruise control system>		

L.H. drive vehicles



**Relay box in passenger compartment**



- B-55 (12)
- B-56 (7)
- B-57 (2)
- B-58 (6)
- B-59 (3)
- B-60 (2-R)
- B-61 (5)
- B-62 (2)
- B-63 (1)
- B-64 (2)
- B-65 (10)
- B-66 (6)
- B-67X (9)

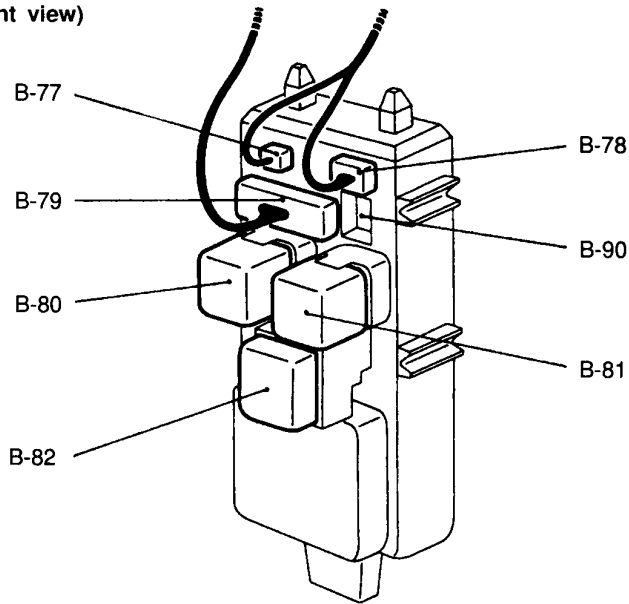
- Column switch
- Slip ring <Auto-cruise control system (without SRS)>
- Ignition key ring antenna
- Ignition switch
- Clock spring <SRS>
- Clock spring <SRS>
- Steering wheel sensor <TCL>
- Auto-cruise control switch <SRS>
- Horn switch <SRS>
- Air bag module (squib) (Driver's side)
- Column switch
- Column switch
- Door lock ECU <Vehicles without theft-alarm system>

- B-69X (7)
- B-70X (5)
- B-72X (3)
- B-75X (33)
- B-76X (33)
- B-77 (2)
- B-78 (6)
- B-79 (18)
- B-80 (5)
- B-81 (5)
- B-82 (5)

- 00003490
- Rear intermittent wiper relay
  - Rear fog lamp relay
  - Diode
  - J/C (1)
  - J/C (2)
  - J/B and roof wiring harness combination <Sunroof>
  - J/B and roof wiring harness combination
  - J/B and instrument panel wiring harness combination
  - Blower relay
  - Defogger relay
  - Turn-signal and hazard warning flasher unit

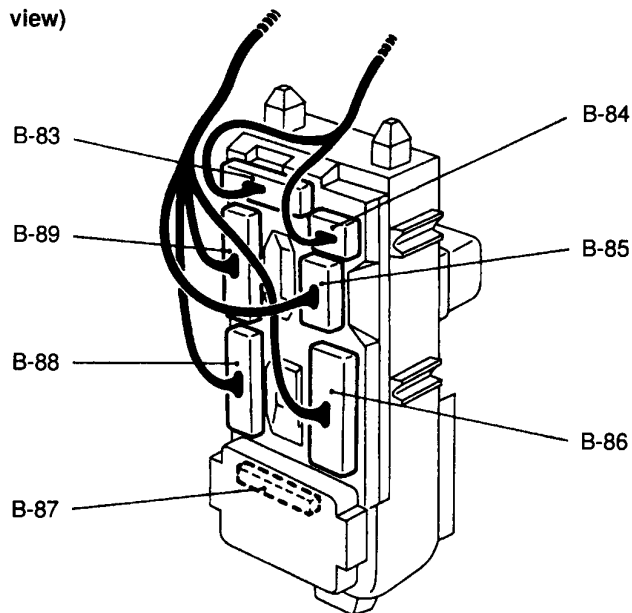
J/B

(Front view)



36U0007

(Rear view)



36U0009

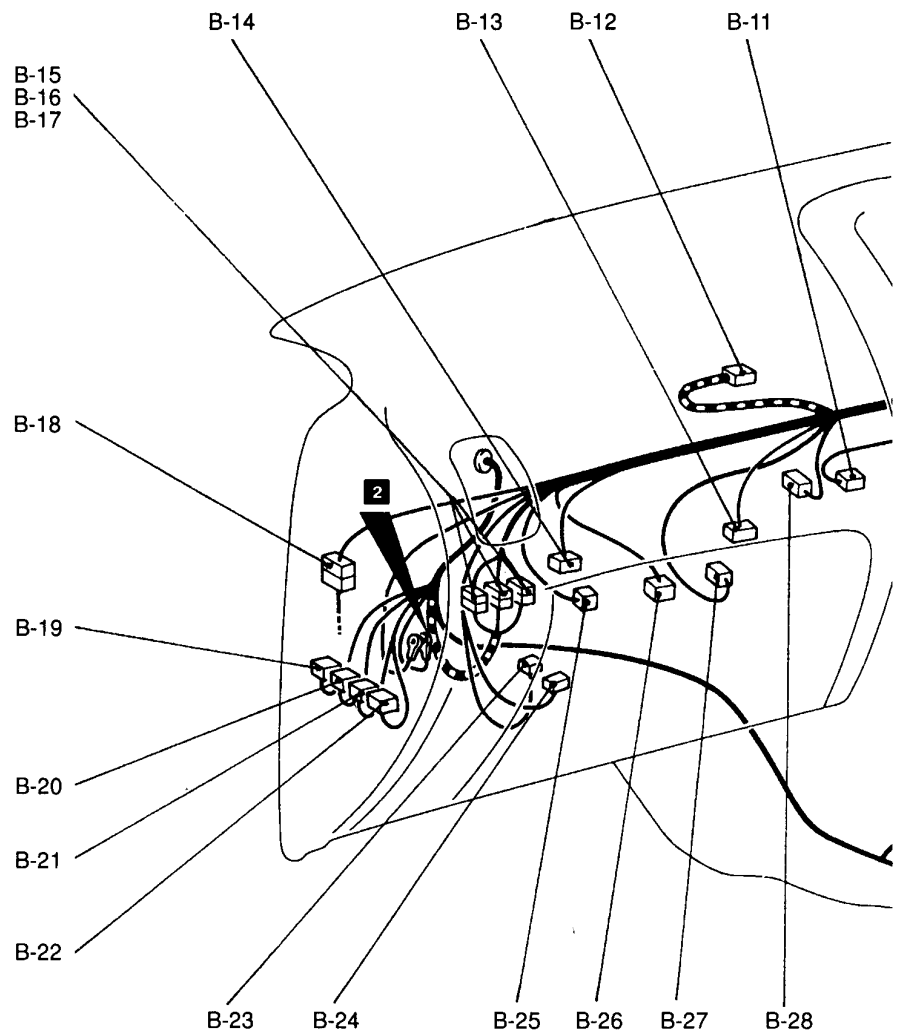
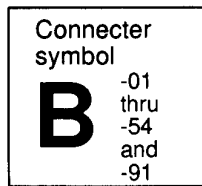
00003491

B-83 (20)	J/B and front wiring harness combination	B-87 (10)	Buzzer-ECU
B-84 (2)	J/B and front wiring harness combination	B-88 (22)	J/B and body wiring harness combination
B-85 (3)	J/B and body wiring harness combination	B-89 (22)	J/B and body wiring harness combination
B-86 (18)	J/B and body wiring harness combination	B-90 (8)	No connection

## DASH PANEL

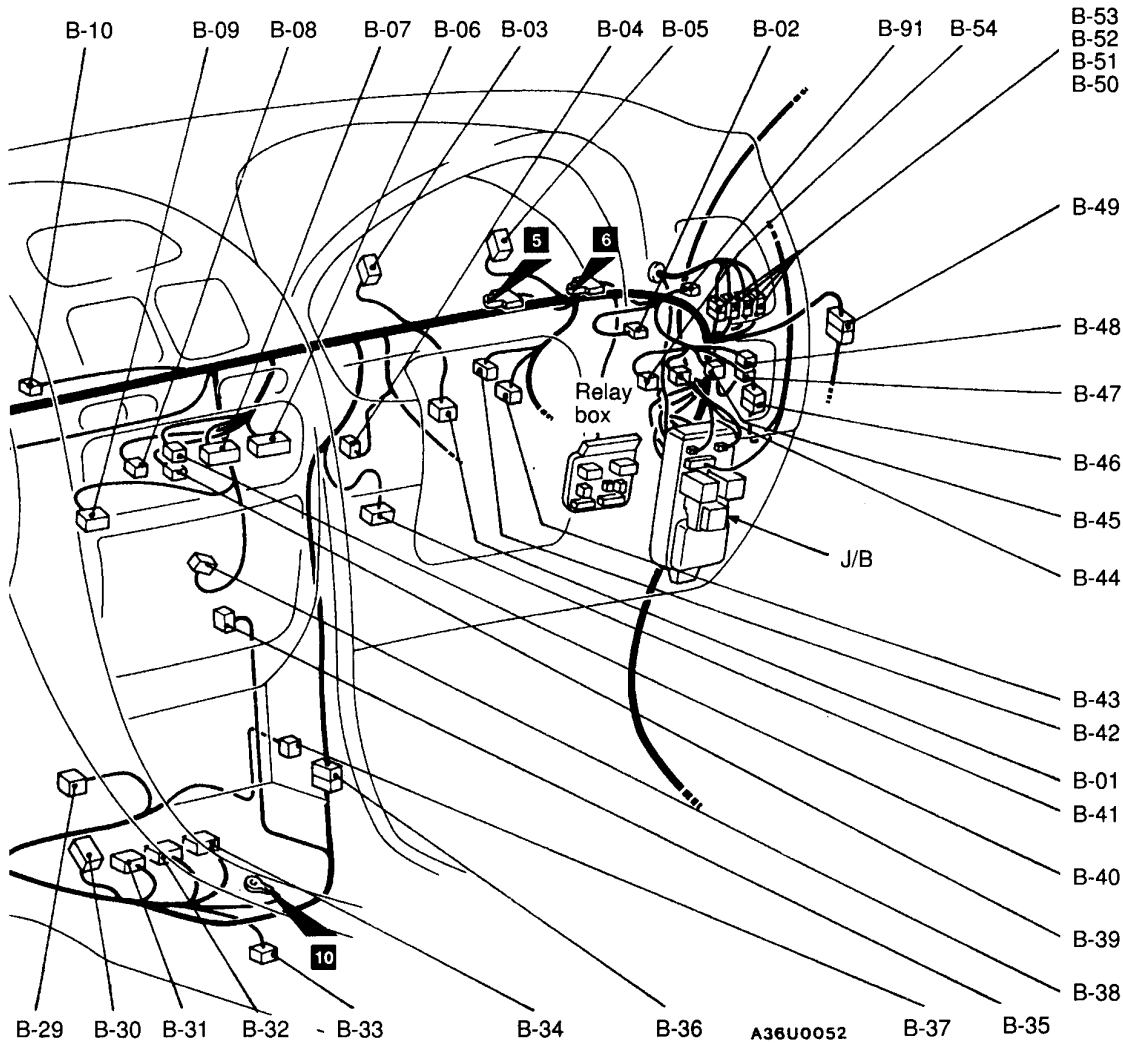
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## R.H. drive vehicles



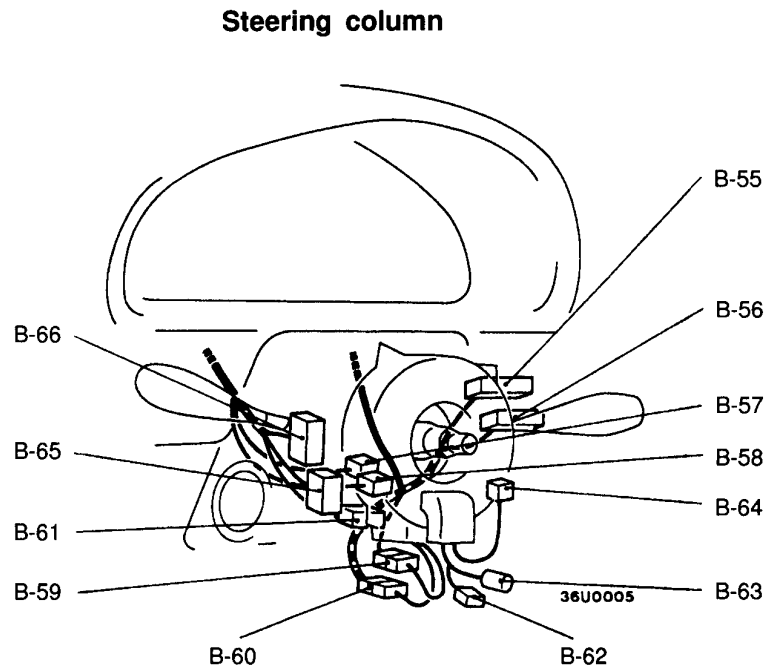
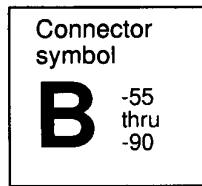
B-01 (2)	Clutch switch <Auto-cruise control system>	B-17 (22)	Control wiring harness and body wiring harness combination <TCL or auto-cruise control system>
B-02 (16-B)	Immobilizer-ECU	B-18 (20)	Front door wiring harness (Passenger's side) and body wiring harness combination
B-03 (25)	Combination meter	B-19 (26-Y)	Engine-ECU
B-04 (6)	No connection	B-20 (16-Y)	Engine-ECU
B-05 (25)	Combination meter	B-21 (12-Y)	Engine-ECU
B-06 (16-B)	No connection	B-22 (22-Y)	Engine-ECU
B-07 (20-B)	No connection	B-23 (4)	No connection
B-08 (2)	Blower control illumination lamp <Heater and manual A/C>	B-24 (2)	Blower motor
B-09 (14)	Radio and tape player	B-25 (12)	Automatic compressor ECU <Manual A/C>
B-10 (2)	No connection	B-26 (4)	Resistor <Heater or manual A/C>
B-11 (2)	No connection	B-27 (4)	No connection
B-12 (2-R)	Air bag module (squib) (Passenger's side)	B-28 (2-B)	Air thermo sensor <Manual A/C>
B-13 (4)	No connection	B-29 (4)	A/T relay
B-14 (6)	No connection	B-30 (8)	Engine control relay
B-15 (4)	Control wiring harness and body wiring harness combination		
B-16 (18)	Control wiring harness and body wiring harness combination		



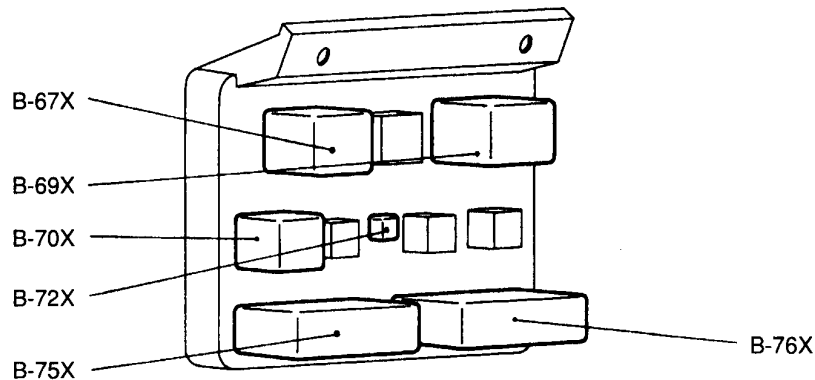


B-31 (22-L)	ELC-4A/T-ECU	B-44 (12)	Remote controlled mirror switch
B-32 (16-L)	ELC-4A/T-ECU	B-45 (6)	Headlamp leveling switch
B-33 (4)	Oxygen sensor	B-46 (10)	Instrument panel wiring harness and body wiring harness combination
B-34 (26-L)	ELC-4A/T-ECU	B-47 (4)	Rear fog lamp switch
B-35 (18)	Auto-cruise ECU	B-48 (6)	Front fog lamp switch
B-36 (14)	Control wiring harness and body wiring harness combination <A/T>	B-49 (32)	Front door wiring harness (Driver's side) and body wiring harness combination
B-37 (2-B)	Kickdown switch <A/T>	B-50 (22-GR)	Front wiring harness and body wiring harness combination
B-38 (6)	No connection	B-51 (1)	Front wiring harness and body wiring harness combination
B-39 (6)	A/C switch <Manual A/C>	B-52 (18)	Front wiring harness and body wiring harness combination
B-40 (8)	Blower switch <Heater or manual A/C>	B-53 (10-B)	Front wiring harness and body wiring harness combination
B-41 (16-B)	Diagnosis connector	B-54 (3)	Rheostat or jumper connector
B-42 (3-B)	Stop lamp switch <Vehicles without auto-cruise control system> or no connection <Vehicles with auto-cruise control system>	B-91 (3)	Diode
B-43 (4-BR)	Stop lamp switch <Vehicles with auto-cruise control system>		

R.H. drive vehicles



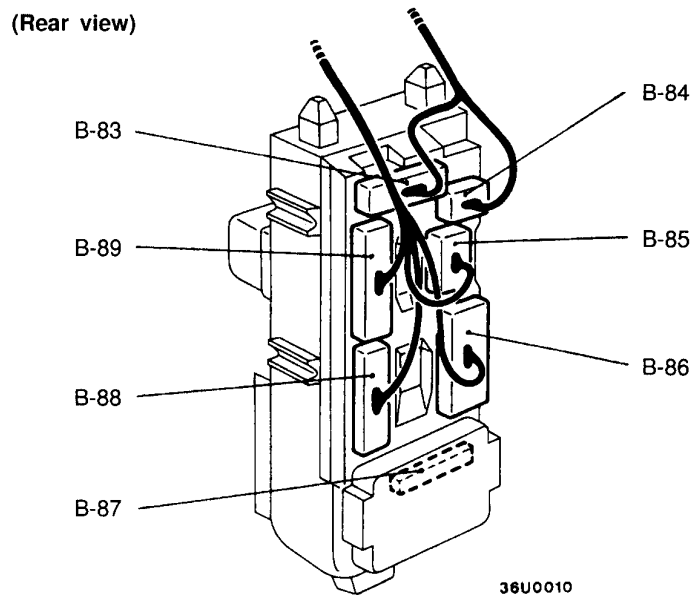
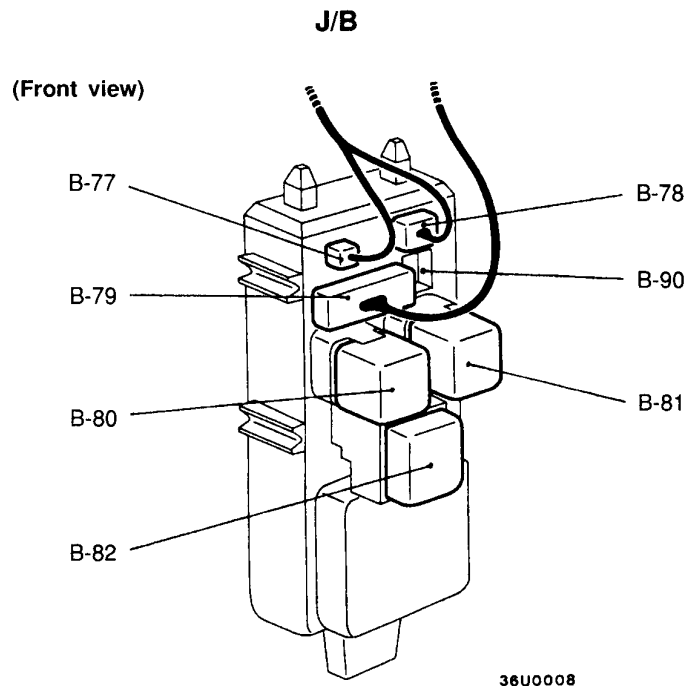
Relay box in passenger compartment



38U0006

00003492

B-55 (12)	Column switch	B-69X (7)	Rear intermittent wiper relay
B-56 (7)	Slip ring <Auto-cruise control system (without SRS)>	B-70X (5)	Rear fog lamp relay
B-57 (2)	Ignition key ring antenna	B-72X (3)	Diode
B-58 (6)	Ignition switch	B-75X (33)	J/C (1)
B-59 (3)	Clock spring <SRS>	B-76X (33)	J/C (2)
B-60 (2-R)	Clock spring <SRS>	B-77 (2)	J/B and roof wiring harness combination <Sunroof>
B-61 (5)	Steering wheel sensor <TCL>	B-78 (6)	J/B and roof wiring harness combination
B-62 (2)	Auto-cruise control switch <SRS>	B-79 (18)	J/B and instrument panel wiring harness combination
B-63 (1)	Horn switch <SRS>	B-80 (5)	Blower relay
B-64 (2)	Air bag module (squib) (Driver's side)	B-81 (5)	Defogger relay
B-65 (10)	Column switch	B-82 (5)	Turn-signal and hazard warning flasher unit
B-66 (6)	Column switch		
B-67X (9)	Door lock ECU <Vehicles without theft-alarm system>		



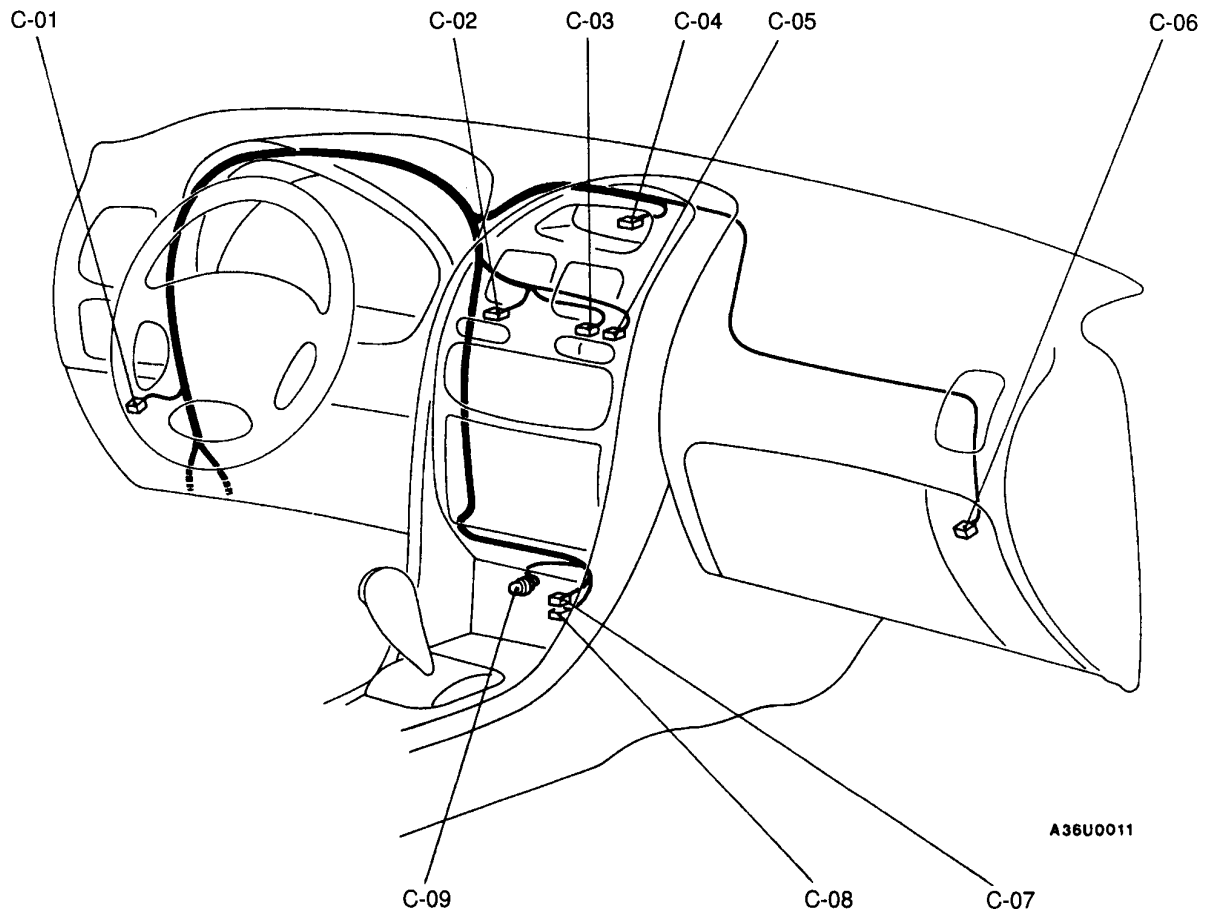
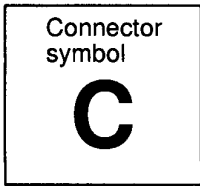
00003493

B-83 (20)	J/B and front wiring harness combination	B-87 (10)	Buzzer-ECU
B-84 (2)	J/B and front wiring harness combination	B-88 (22)	J/B and body wiring harness combination
B-85 (3)	J/B and body wiring harness combination	B-89 (22)	J/B and body wiring harness combination
B-86 (18)	J/B and body wiring harness combination	B-90 (8)	No connection

**INSTRUMENT PANEL**

80100070142

L.H. drive vehicles



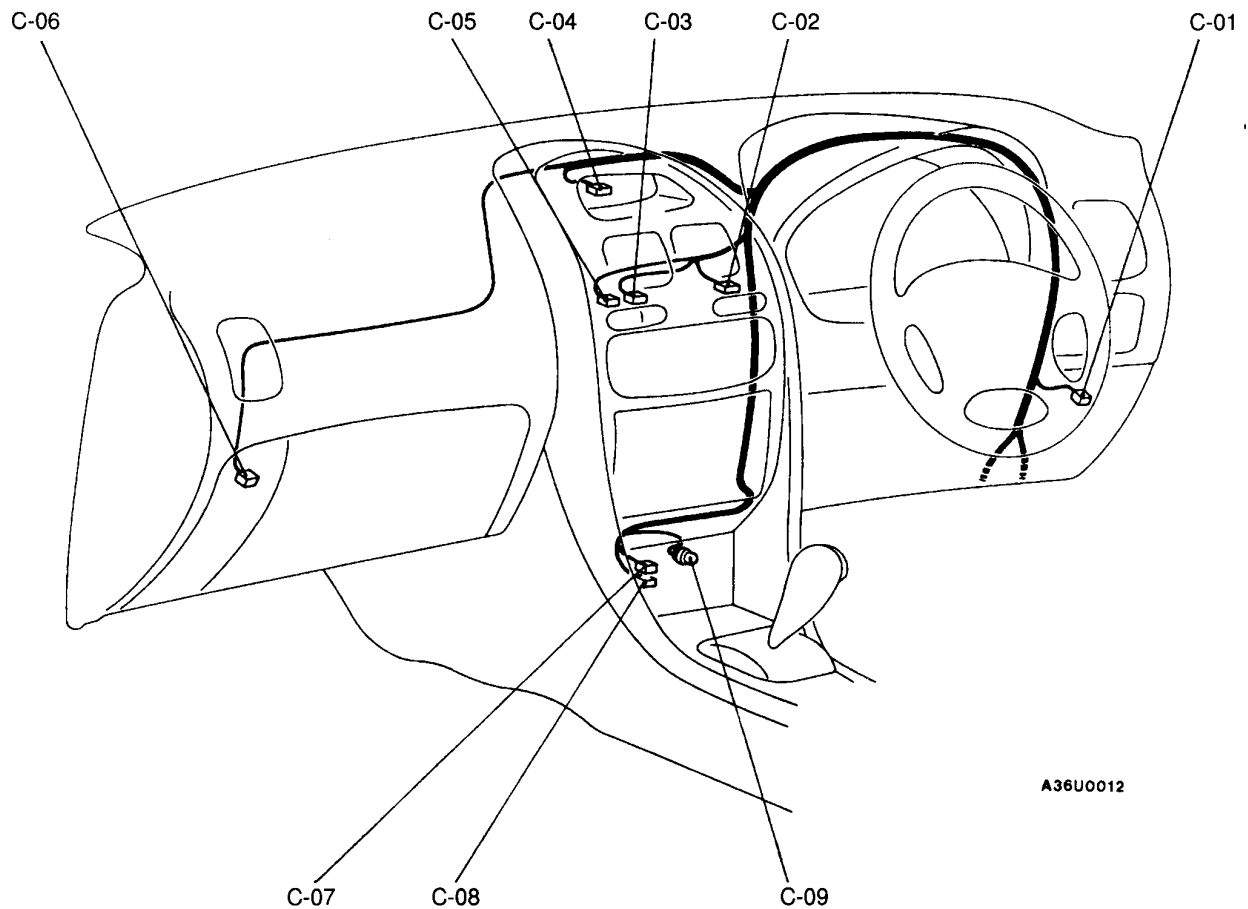
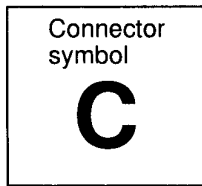
- C-01 (2-B) Front speaker (Driver's side)
- C-02 (10) Hazard warning switch
- C-03 (8) Defogger switch
- C-04 (4) Clock
- C-05 (6) Auto-cruise control main switch

- C-06 (2-B) Front speaker (Passenger's side)
- C-07 (2-B) Cigarette lighter
- C-08 (1-B) Cigarette lighter illumination lamp
- C-09 (2) Ashtray illumination lamp

**INSTRUMENT PANEL**

80100070159

R.H. drive vehicles



A36U0012

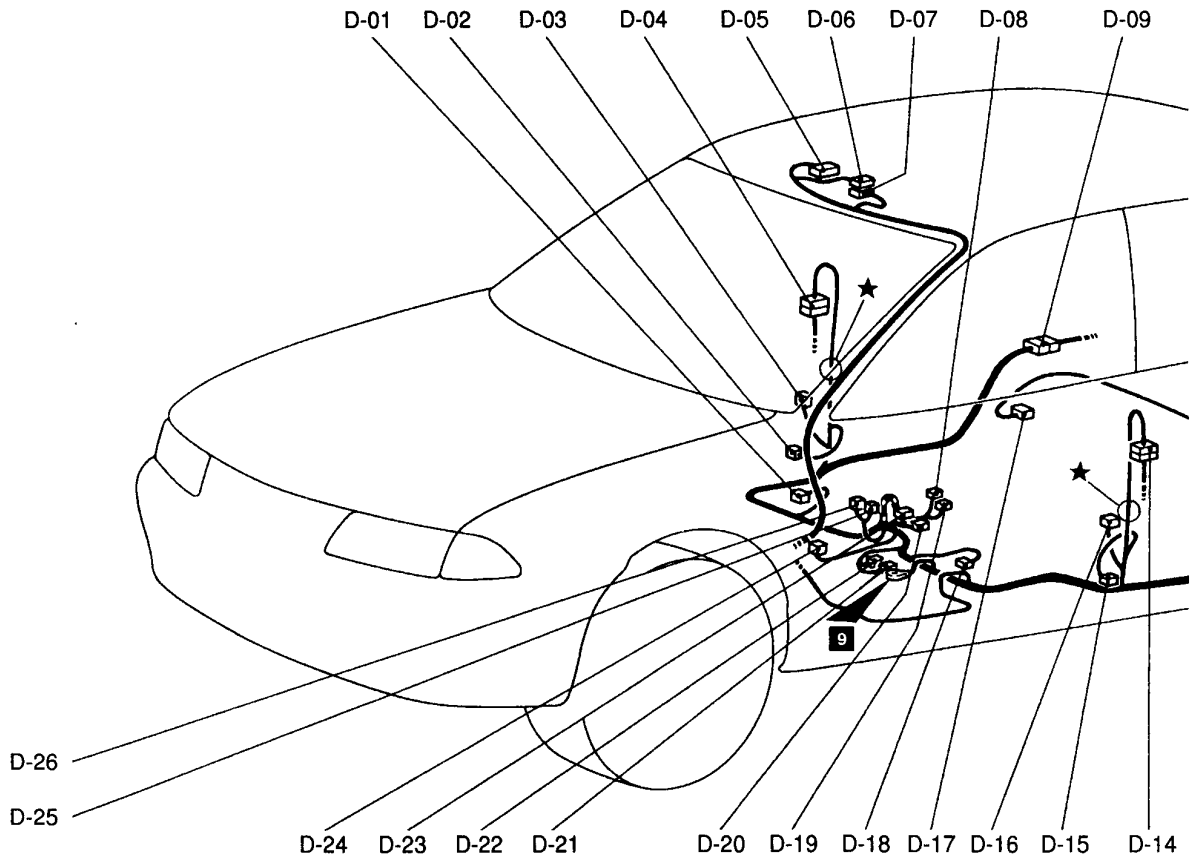
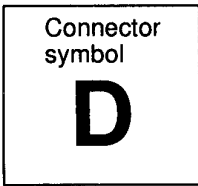
- C-01 (2-B) Front speaker (Driver's side)
- C-02 (10) Hazard warning switch
- C-03 (8) Defogger switch
- C-04 (4) Clock
- C-05 (6) Auto-cruise control main switch

- C-06 (2-B) Front speaker (Passenger's side)
- C-07 (2-B) Cigarette lighter
- C-08 (1-B) Cigarette lighter illumination lamp
- C-09 (2) Ashtray illumination lamp

FLOOR AND ROOF

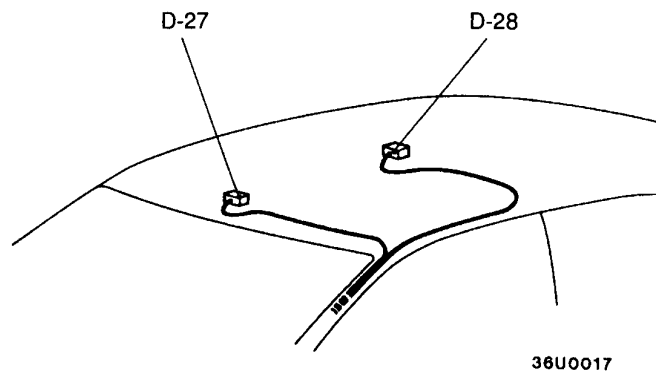
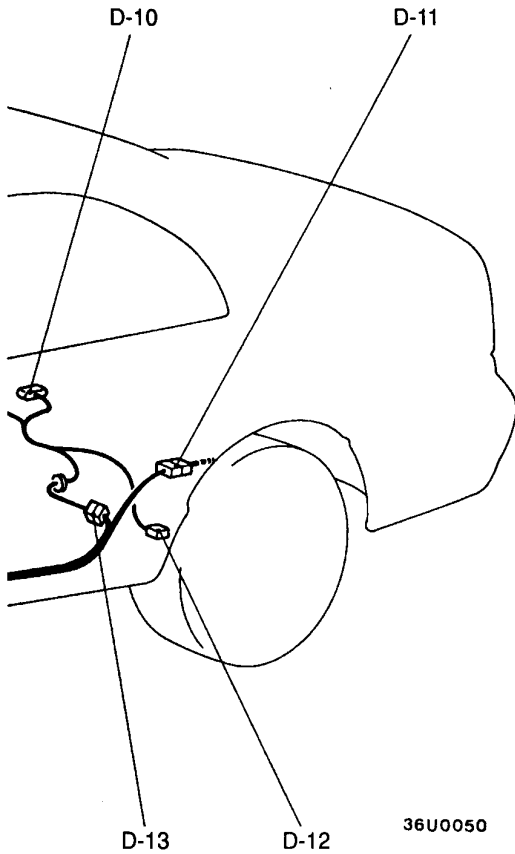
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L.H. drive vehicles



- |            |   |            |  |
|------------|---|------------|--|
| D-01 (3-B) | Heated seat (RH)  | D-08 (6)   | TCL switch   |
| D-02 (1-B) | Front door switch (Passenger's side)                              | D-09 (22)  | Rear wiring harness and body wiring harness combination      |
| D-03 (2-R) | Seat belt pretensioner (Passenger's side) <SRS>                   | D-10 (5-B) | Fuel pump and gauge unit assembly                            |
| D-04 (8)   | Rear door wiring harness (RH) and body wiring harness combination | D-11 (22)  | Rear wiring harness and body wiring harness combination      |
| D-05 (10)  | Sunroof ECU   | D-12 (2-B) | Rear speed sensor (LH) <ABS>                                 |
| D-06 (2)   | Sunroof motor   | D-13 (10)  | Fuel pump wiring harness and body wiring harness combination |
| D-07 (8)   | Room lamp and sunroof switch <with sunroof>                       |            |  |

<Vehicles without sunroof>



36U0017

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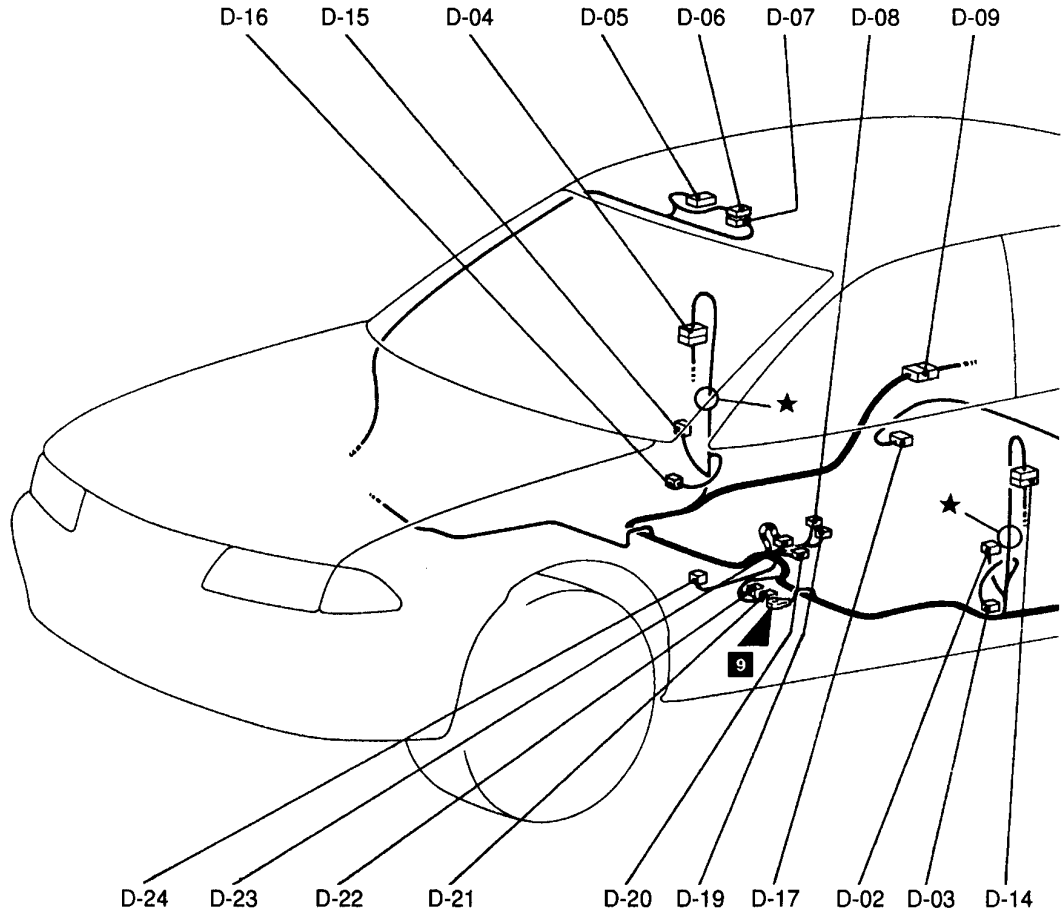
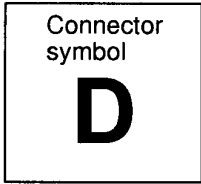
- D-14 (8) Rear door wiring harness (LH) and body wiring harness combination
- D-15 (2-R) Seat belt pretensioner (Driver's side) <SRS>
- D-16 (2) Front door switch (Driver's side)
- D-17 (2-B) Rear speed sensor (RH) <ABS>
- D-18 (3-B) Heated seat (LH)
- D-19 (6) Hold switch <A/T>
- D-20 (1-B) Parking brake switch

- D-21 (22-DG) TCL-ECU
- D-22 (12-DG) TCL-ECU
- D-23 (20-O) SRS-ECU
- D-24 (2) Shift indicator illumination lamp <A/T>
- D-25 (6-B) Heated seat switch (LH)
- D-26 (6) Heated seat switch (RH)
- D-27 (1) Map lamp <without sunroof>
- D-28 (2) Room lamp <without sunroof>

FLOOR AND ROOF

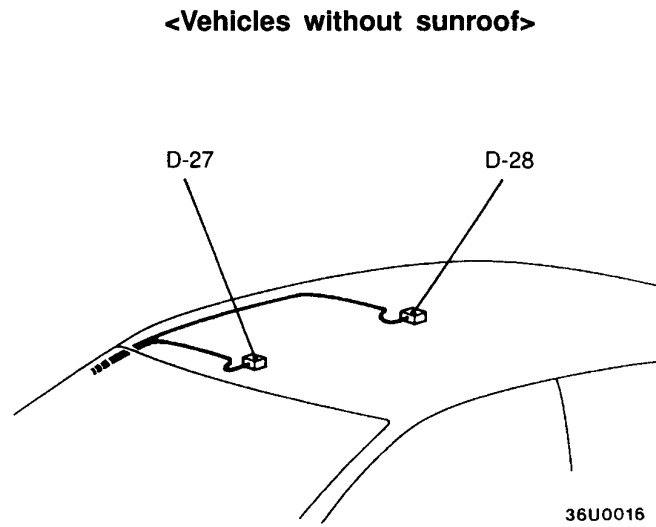
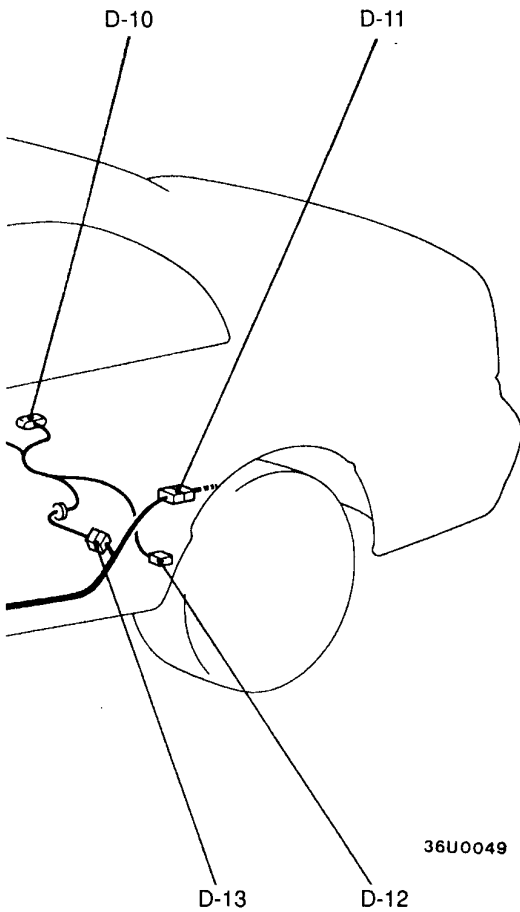
8010090285

R.H. drive vehicles



- |            |   |            |  |
|------------|---|------------|--|
| D-02 (1-B) | Front door switch (Passenger's side)                              | D-08 (6)   | TCL switch   |
| D-03 (2-R) | Seat belt pretensioner (Passenger's side) <SRS>                   | D-09 (22)  | Rear wiring harness and body wiring harness combination      |
| D-04 (8)   | Rear door wiring harness (RH) and body wiring harness combination | D-10 (5-B) | Fuel pump and gauge unit assembly                            |
| D-05 (10)  | Sunroof ECU   | D-11 (22)  | Rear wiring harness and body wiring harness combination      |
| D-06 (2)   | Sunroof motor   | D-12 (2-B) | Rear speed sensor (LH) <ABS>                                 |
| D-07 (8)   | Room lamp and sunroof switch <with sunroof>                       | D-13 (10)  | Fuel pump wiring harness and body wiring harness combination |





00005230

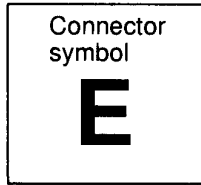
- D-14 (8) Rear door wiring harness (LH) and body wiring harness combination
- D-15 (2-R) Seat belt pretensioner (Driver's side) <SRS>
- D-16 (2) Front door switch (Driver's side)
- D-17 (2-B) Rear speed sensor (RH) <ABS>
- D-19 (6) Hold switch <A/T>

- D-20 (1-B) Parking brake switch
- D-21 (22-DG) TCL-ECU
- D-22 (12-DG) TCL-ECU
- D-23 (20-O) SRS-ECU
- D-24 (2) Shift indicator illumination lamp <A/T>
- D-27 (1) Map lamp <without sunroof>
- D-28 (2) Room lamp <without sunroof>

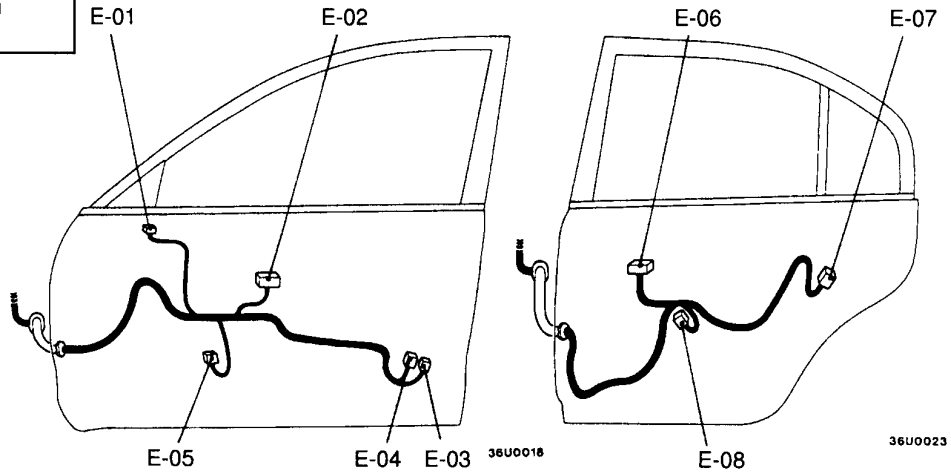
DOOR

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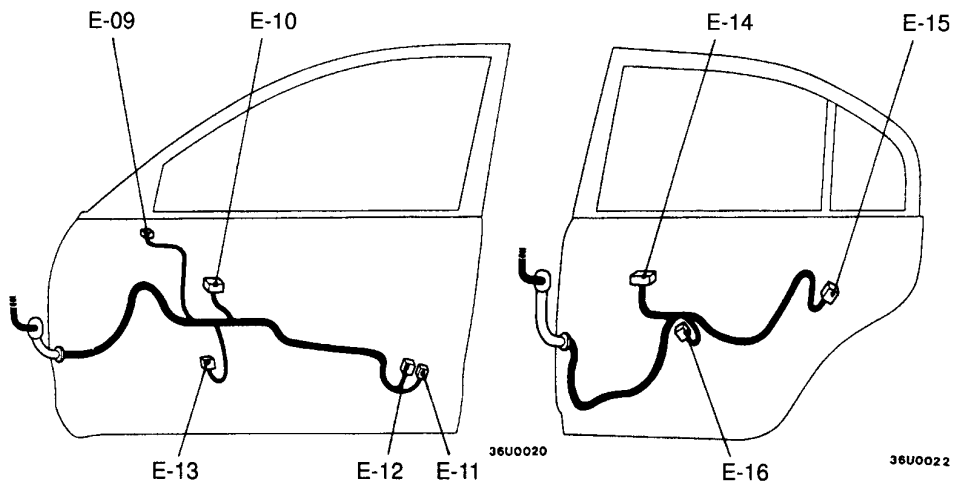
L.H. drive vehicles



Driver's side



Passenger's side



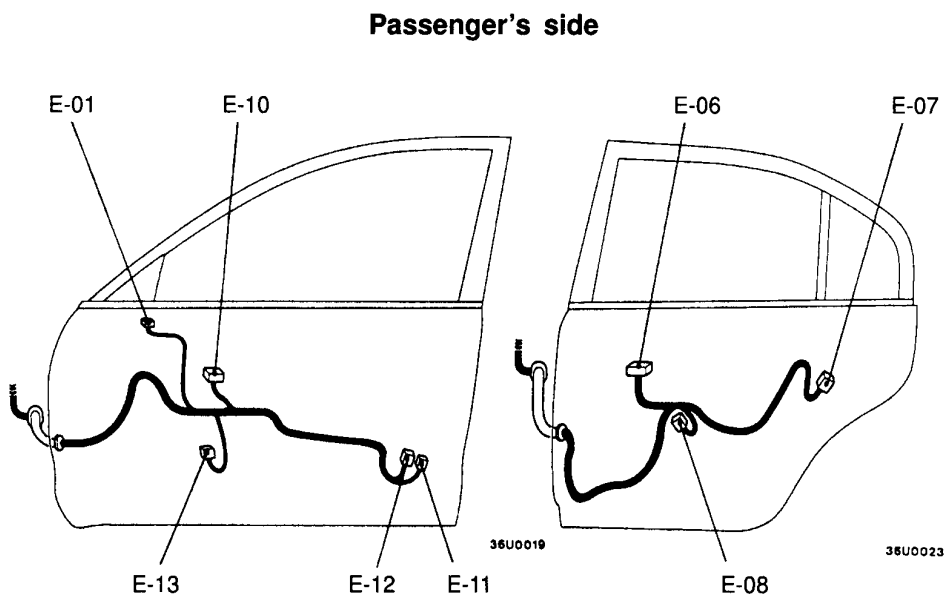
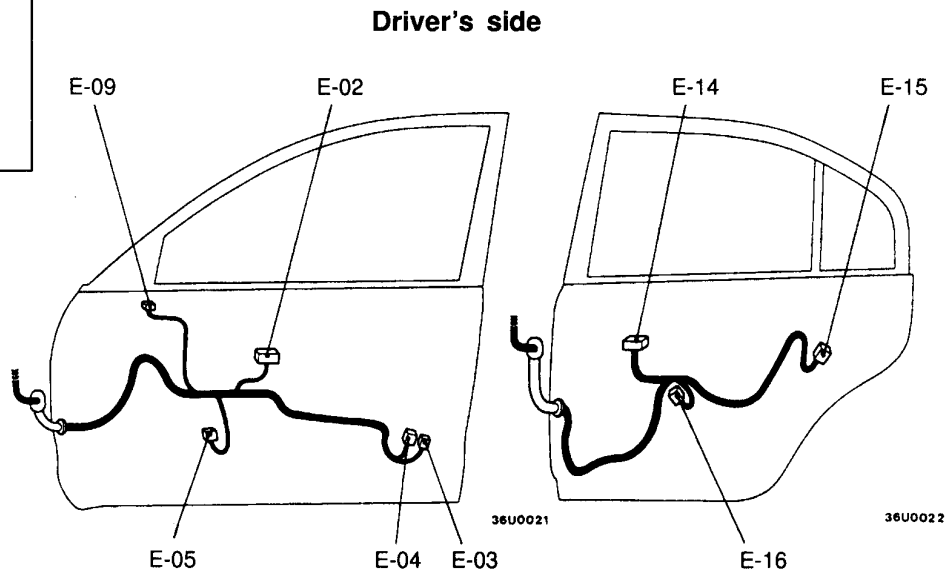
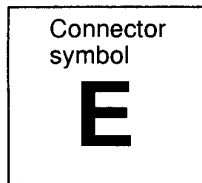
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- |            |   |            |  |
|------------|---|------------|--|
| E-01 (6)   | Remote controlled mirror (LH)                         | E-10 (8)   | Power window sub switch (Passenger's side)               |
| E-02 (18)  | Power window main switch                              | E-11 (2-B) | Front door lock actuator (Passenger's side)              |
| E-03 (4-B) | Front door lock actuator (Driver's side)              | E-12 (3-B) | Door lock key cylinder switch (Passenger's side)         |
| E-04 (3-B) | Door lock key cylinder switch (Driver's side)         | E-13 (6-B) | Front power window regulator assembly (Passenger's side) |
| E-05 (6-B) | Front power window regulator assembly (Driver's side) | E-14 (8)   | Power window sub switch (Rear: RH)                       |
| E-06 (8)   | Power window sub switch (Rear: LH)                    | E-15 (2-B) | Rear door lock actuator (RH)                             |
| E-07 (2-B) | Rear door lock actuator (LH)                          | E-16 (6-B) | Rear power window regulator assembly (RH)                |
| E-08 (6-B) | Rear power window regulator assembly (LH)             |            |  |
| E-09 (6)   | Remote controlled mirror (RH)                         |            |  |

**DOOR**

80100140249

**R.H. drive vehicles**

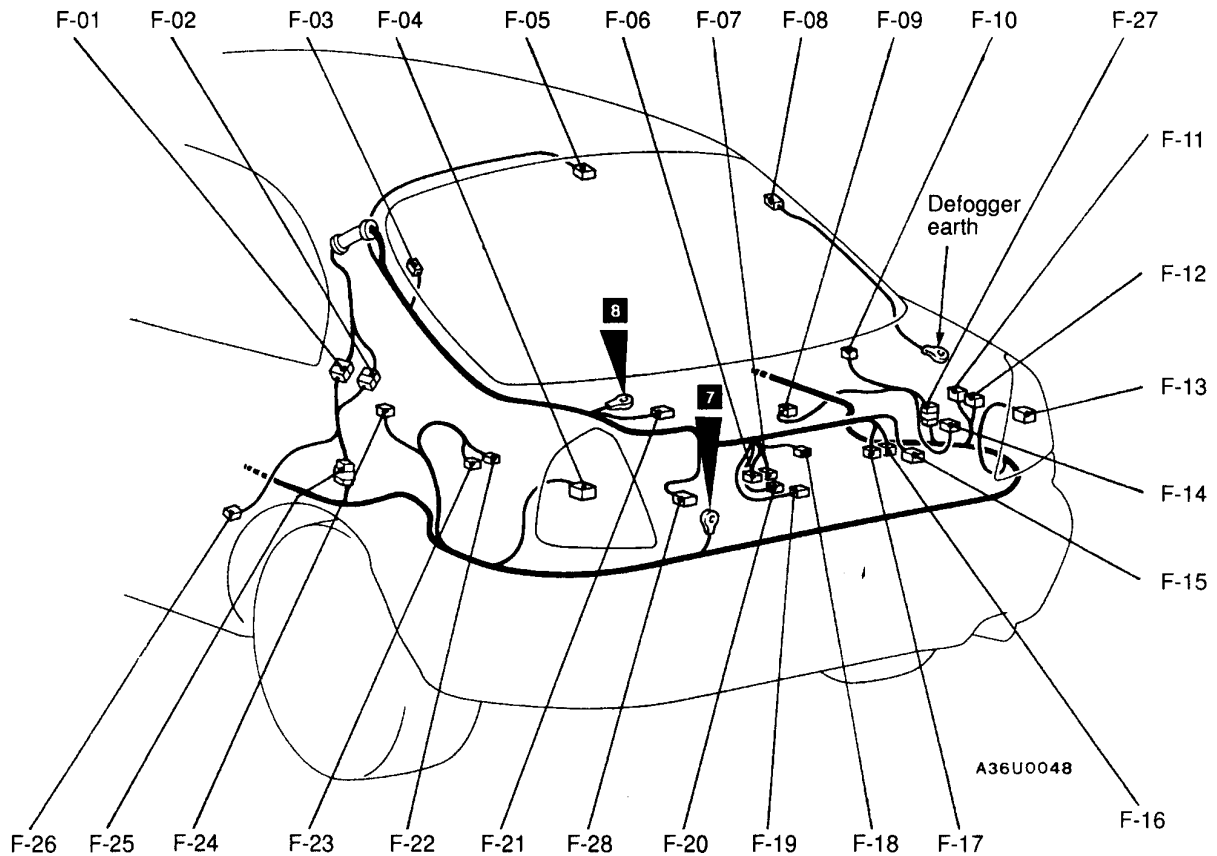
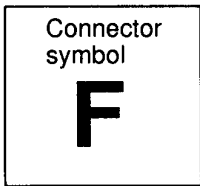


- E-01 (6) Remote controlled mirror (LH)
- E-02 (18) Power window main switch
- E-03 (4-B) Front door lock actuator (Driver's side)
- E-04 (3-B) Door lock key cylinder switch (Driver's side)
- E-05 (6-B) Front power window regulator assembly (Driver's side)
- E-06 (8) Power window sub switch (Rear: LH)
- E-07 (2-B) Rear door lock actuator (LH)
- E-08 (6-B) Rear power window regulator assembly (LH)
- E-09 (6) Remote controlled mirror (RH)

- 00003497
- E-10 (8) Power window sub switch (Passenger's side)
  - E-11 (2-B) Front door lock actuator (Passenger's side)
  - E-12 (3-B) Door lock key cylinder switch (Passenger's side)
  - E-13 (6-B) Front power window regulator assembly (Passenger's side)
  - E-14 (8) Power window sub switch (Rear: RH)
  - E-15 (2-B) Rear door lock actuator (RH)
  - E-16 (6-B) Rear power window regulator assembly (RH)

LUGGAGE COMPARTMENT

80100150242



- |              |   |            |                                   |
|--------------|---|------------|-----------------------------------|
| F-01 (8)     | Tailgate wiring harness and rear wiring harness combination | F-14 (6)   | Motor antenna assembly            |
| F-02 (4)     | Tailgate wiring harness and rear wiring harness combination | F-15 (2-B) | Rear fog lamp (RH)                |
| F-03 (1-B)   | Defogger (+)  | F-16 (1-B) | Licence plate lamp (RH)           |
| F-04 (8-B)   | Rear combination lamp (LH)                                  | F-17 (1-B) | Licence plate lamp (RH)           |
| F-05 (2)     | High mounted stop lamp                                      | F-18 (3-B) | Tailgate lock key cylinder switch |
| F-06 (1-B)   | Licence plate lamp (LH)                                     | F-19 (2)   | Tailgate lock actuator            |
| F-07 (1-B)   | Licence plate lamp (LH)                                     | F-20 (1-B) | Tailgate switch                   |
| F-08 (1-B)   | Defogger (-)  | F-21 (3)   | Rear wiper motor                  |
| F-09 (1-B)   | Rear door switch (RH)                                       | F-22 (1-B) | Luggage compartment lamp          |
| F-10 (2-B)   | Rear speaker (RH)   | F-23 (1-B) | Luggage compartment lamp          |
| F-11 (22-DG) | Keyless entry receiver ECU                                  | F-24 (2-B) | Rear speaker (LH)                 |
| F-12 (16-DG) | Keyless entry receiver ECU                                  | F-25 (2)   | Diode (Room lamp circuit)         |
| F-13 (8-B)   | Rear combination lamp (RH)                                  | F-26 (1-B) | Rear door switch (LH)             |
|              |   | F-27 (2)   | Diode                             |
|              |   | F-28 (2-B) | Rear fog lamp (LH)                |

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# SINGLE PART INSTALLATION POSITION

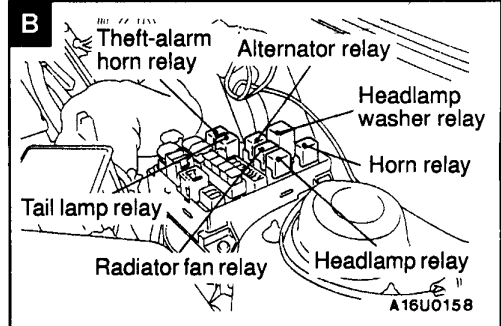
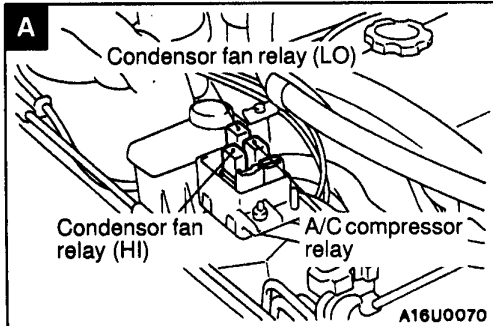
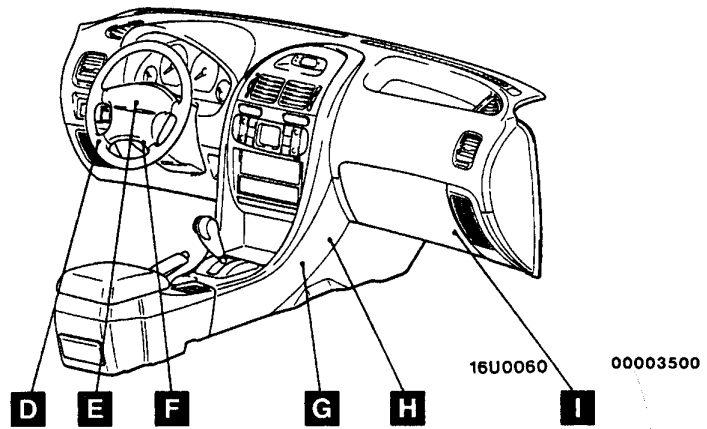
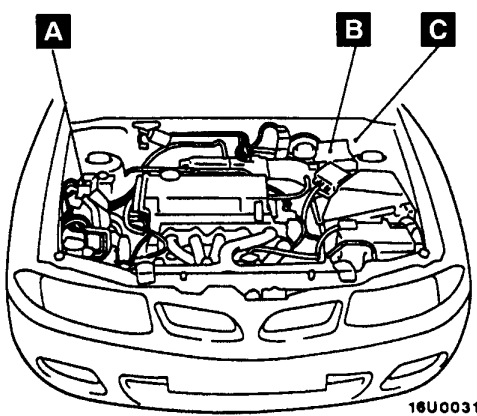
## CONTENTS

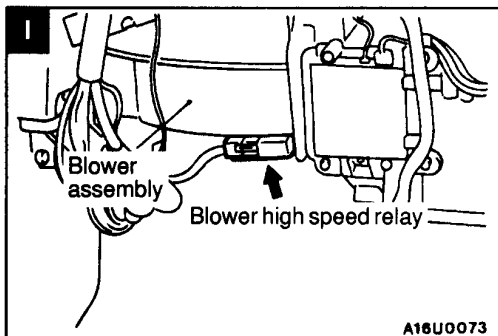
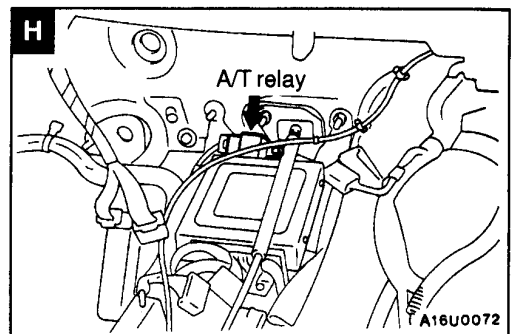
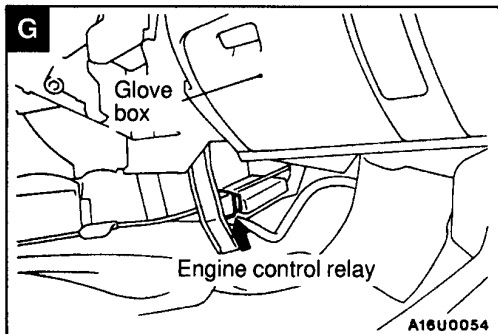
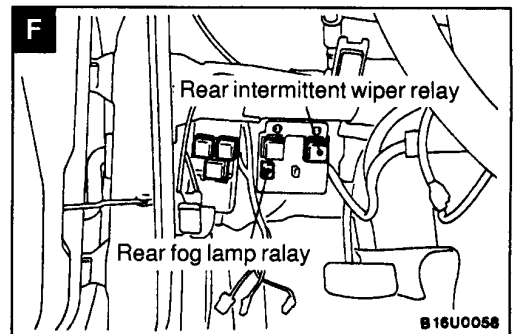
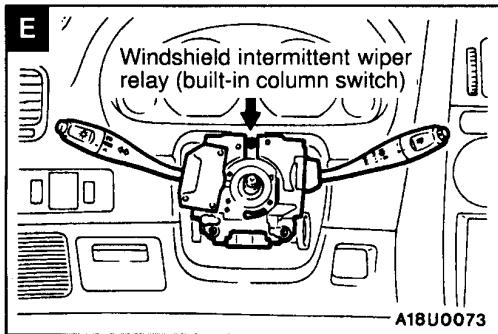
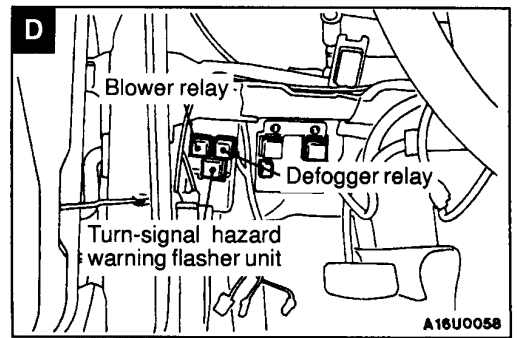
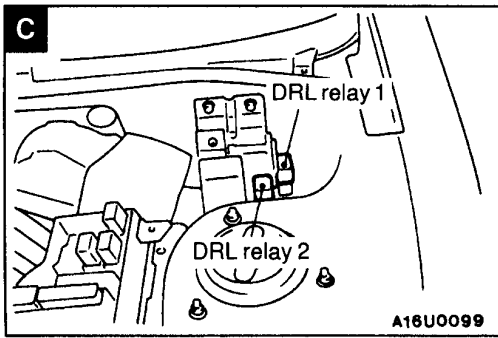
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RELAY .....	3-2	INSPECTION CONNECTOR .....	3-12
ECU .....	3-4	FUSIBLE LINK AND FUSE .....	3-13
SENSOR .....	3-7	EARTH CABLE .....	3-14
SOLENOID VALVE .....	3-10	EARTH .....	3-15
DIODE .....	3-11		

RELAY

Name	Symbol	Name	Symbol
A/C compressor relay <A/C>	A	Headlamp relay	B
A/T relay	H	Headlamp washer relay	B
Alternator relay	B	Horn relay	B
Blower high speed relay <Full-auto A/C>	I	Radiator fan relay	B
Blower relay	D	Rear fog lamp relay	F
Condensor fan relay (LO) <A/C>	A	Rear intermittent wiper relay	F
Condensor fan relay (HI) <A/C>	A	Tail lamp relay <DRL>	B
Defogger relay	D	Theft-alarm horn relay	B
DRL relay 1	C	Turn-signal hazard warning flasher unit	D
DRL relay 2	C	Windshield intermittent wiper relay (built-in column switch)	E
Engine control relay	G		

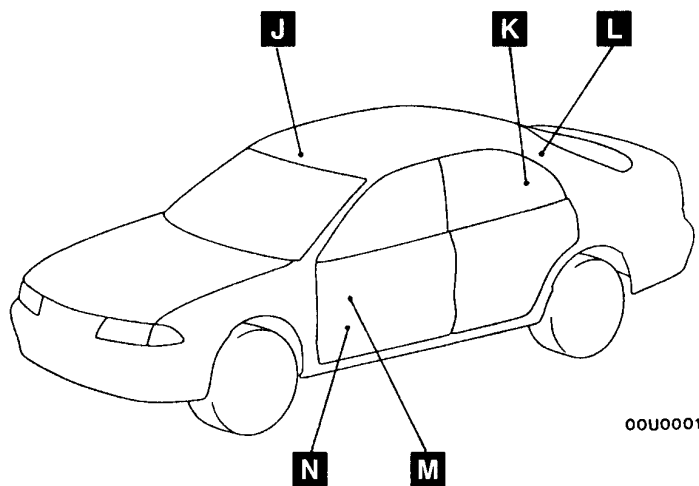
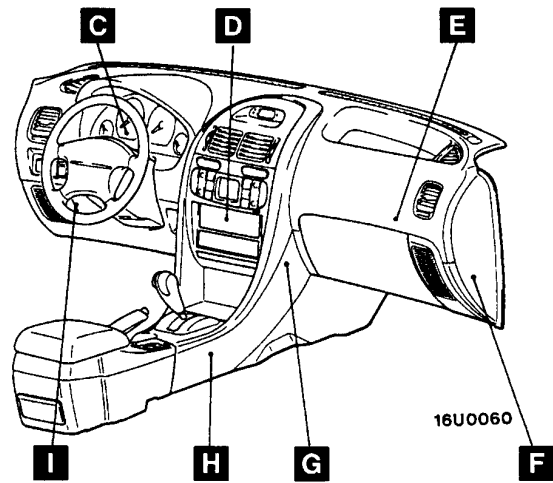
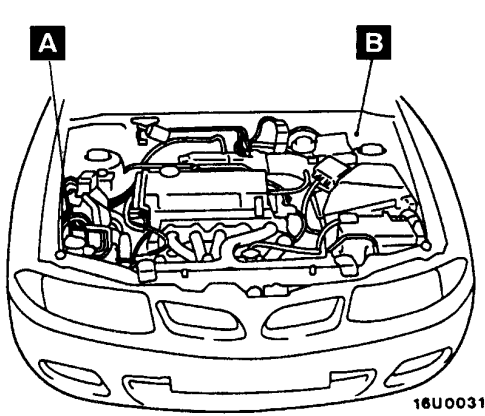




ECU

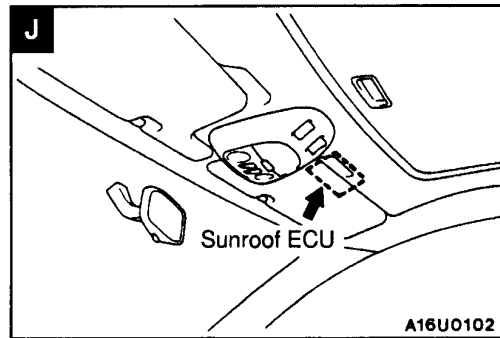
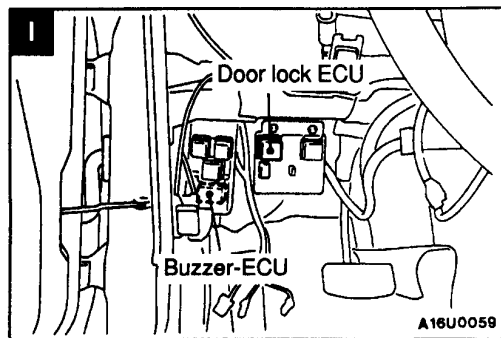
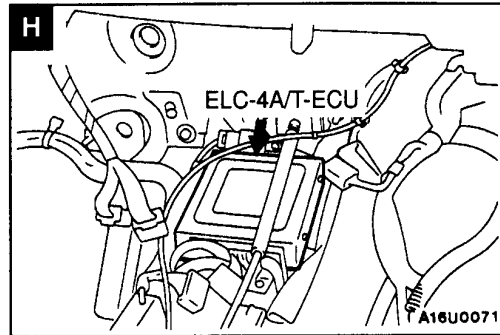
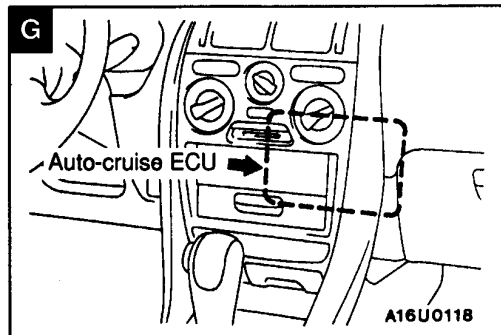
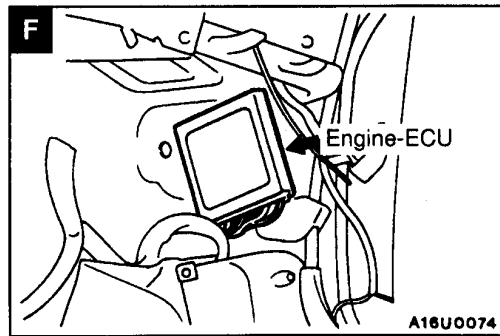
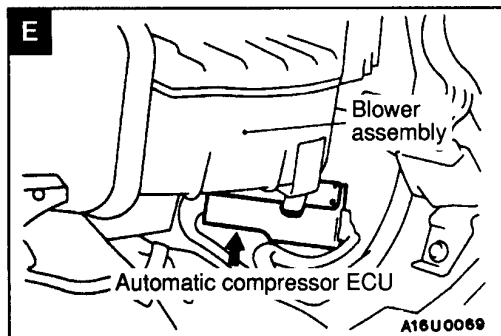
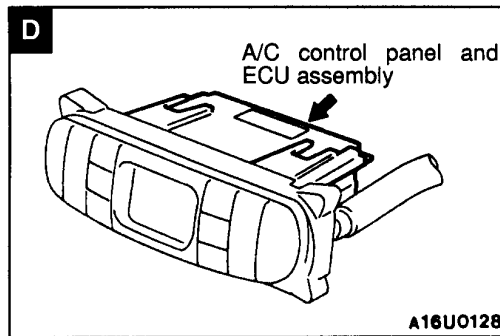
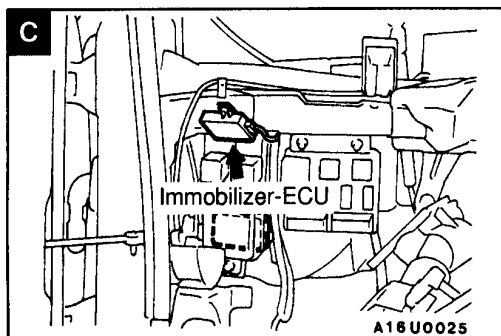
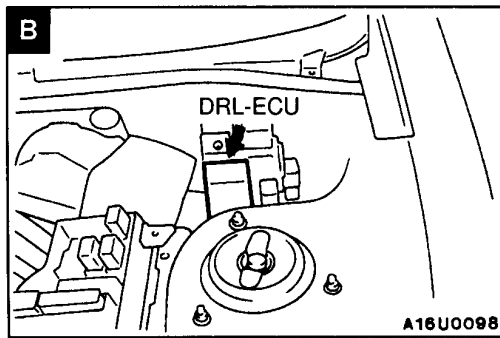
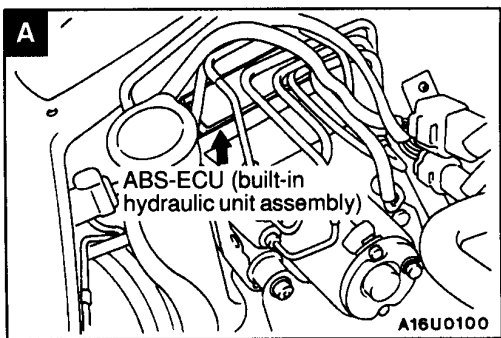
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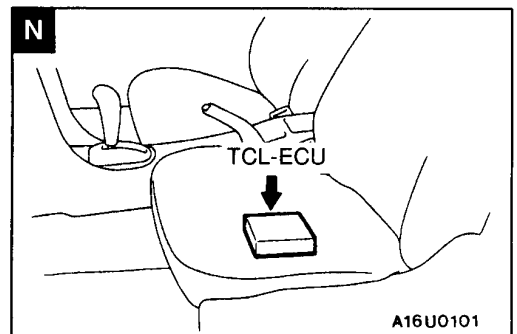
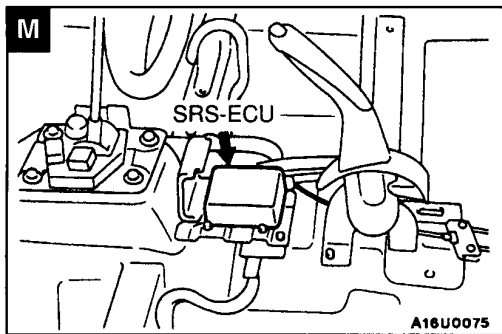
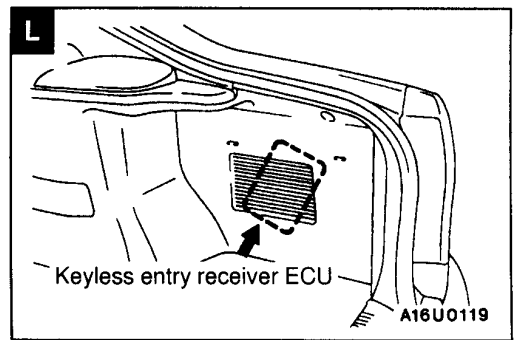
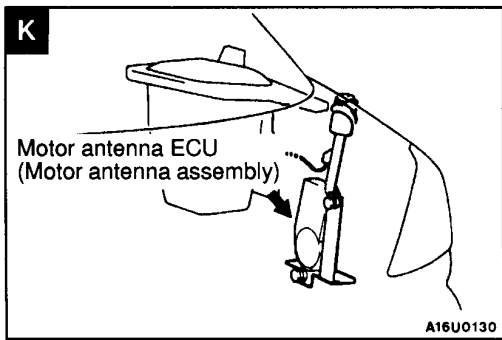
Name	Symbol	Name	Symbol
ABS-ECU	A	Engine-ECU	F
A/C control panel and ECU assembly <Full-auto A/C>	D	Immobilizer-ECU	C
		Keyless entry receiver ECU	L
Auto-cruise ECU	G	Motor antenna ECU (Motor antenna assembly)	K
Automatic compressor ECU <Manual A/C>	E		
Buzzer-ECU	I	SRS-ECU	M
Door lock ECU	I	Sunroof ECU	J
DRL-ECU	B	TCL-ECU	N
ELC-4A/T-ECU	H		



00003501



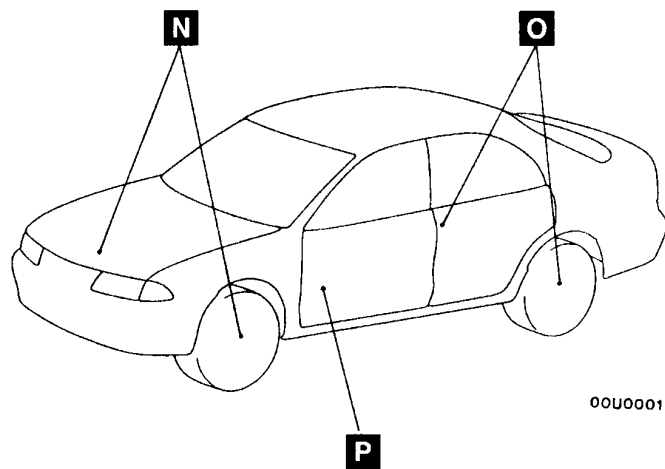
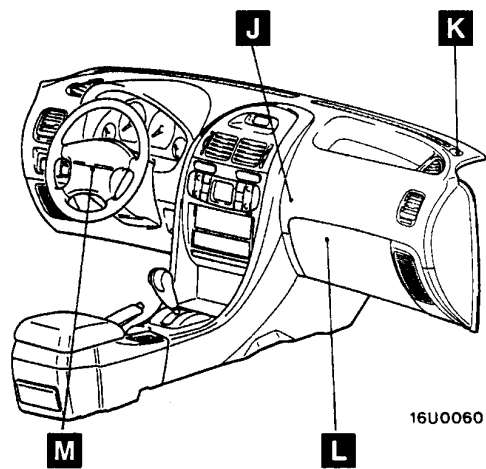
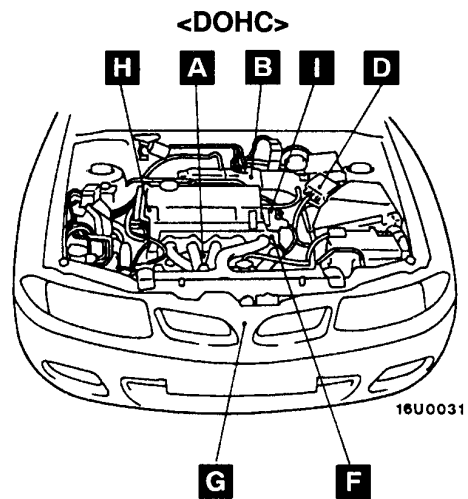
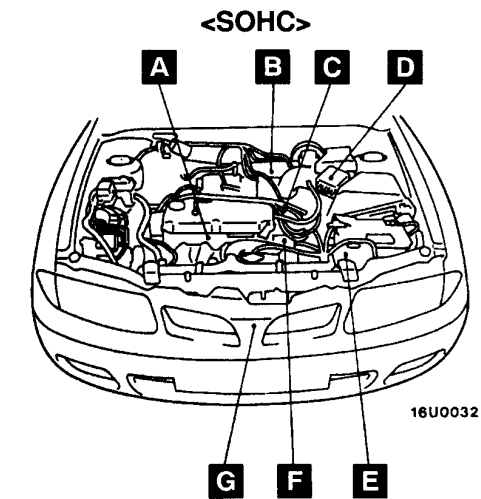


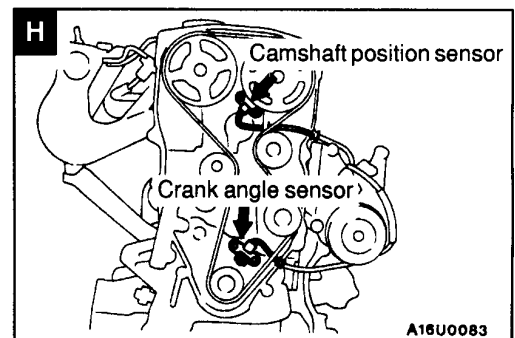
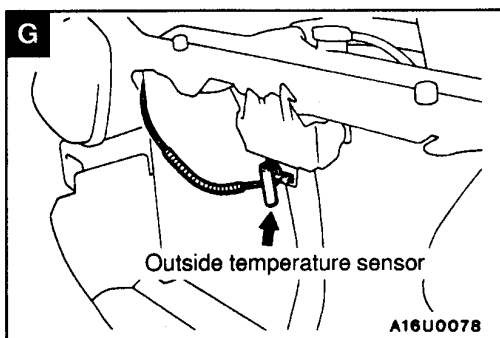
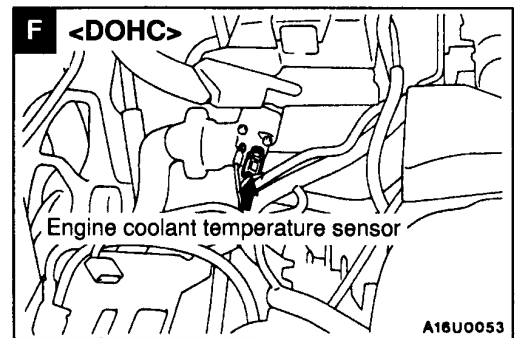
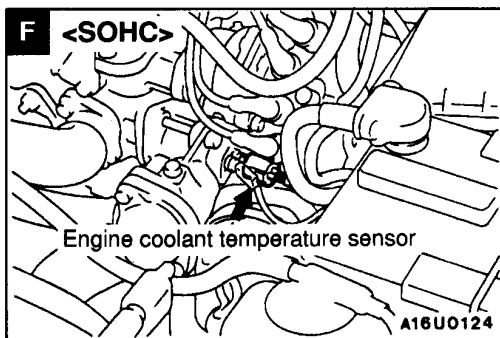
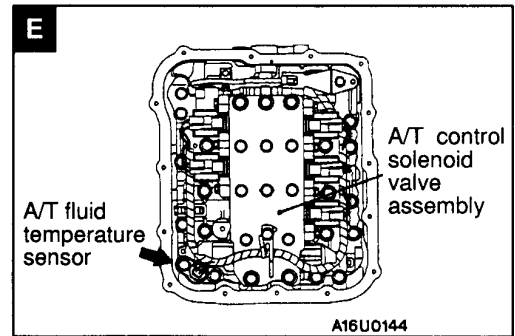
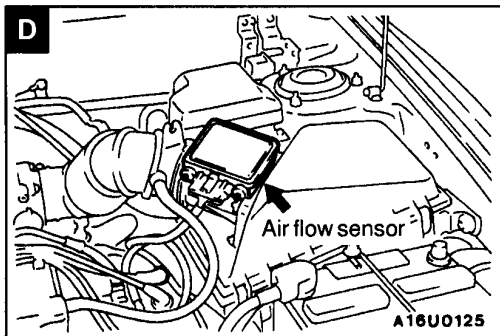
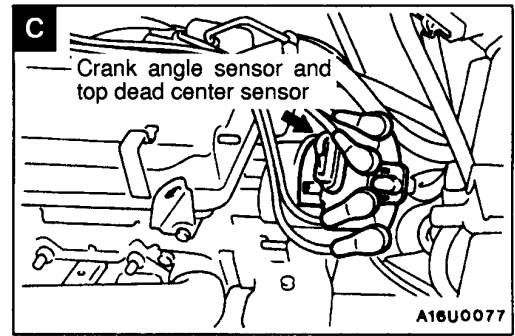
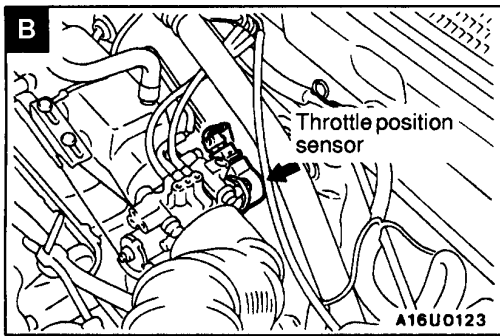
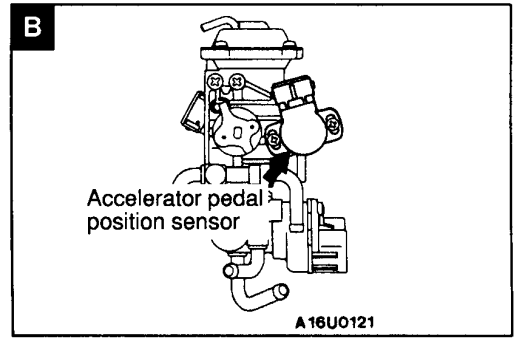
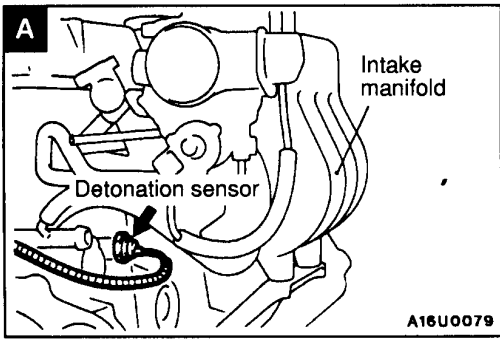


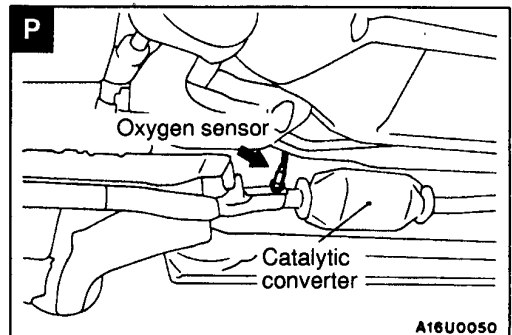
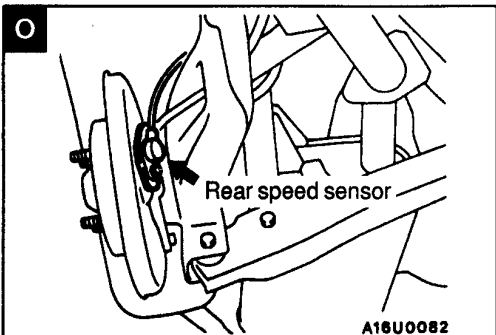
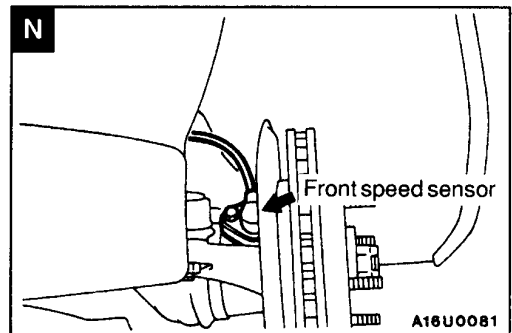
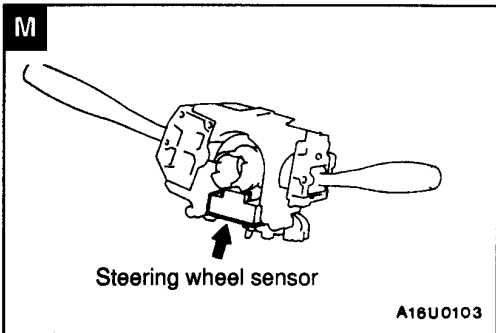
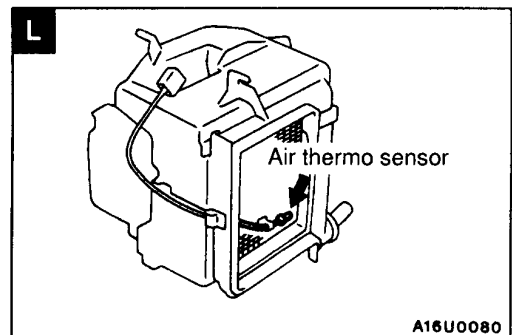
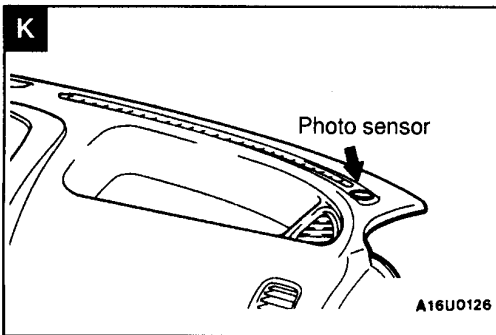
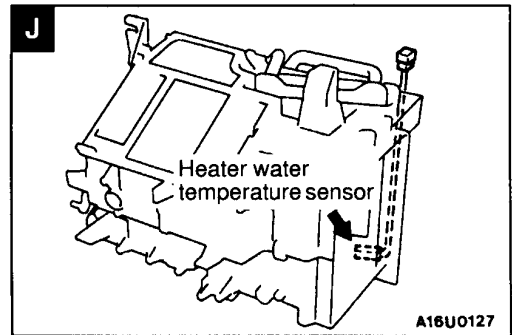
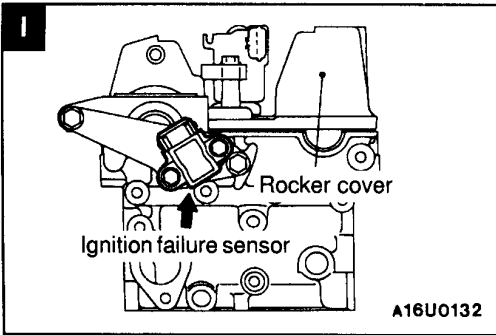
**SENSOR**

70100060034

Name	Symbol	Name	Symbol
Accelerator pedal position sensor <TCL>	B	Front speed sensor <ABS>	N
Air flow sensor	D	Heater water temperature sensor <Full-auto A/C>	J
Air thermo sensor <A/C>	L		
A/T fluid temperature sensor	E	Ignition failure sensor <DOHC>	I
Camshaft position sensor <DOHC>	H	Outside temperature sensor <Full-auto A/C>	G
Crank angle sensor <DOHC>	H	Oxygen sensor	P
Crank angle sensor and top dead center sensor <SOHC>	C	Photo sensor <Full-auto A/C>	K
		Rear speed sensor <ABS>	O
Detonation sensor	A	Steering wheel sensor <TCL>	M
Engine coolant temperature sensor	F	Throttle position sensor	B



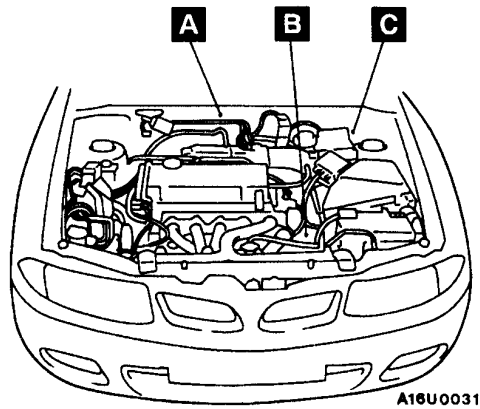




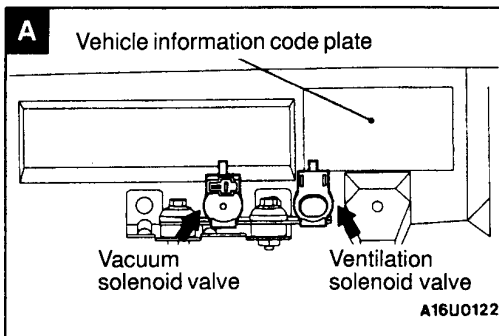
SOLENOID VALVE

70100080030

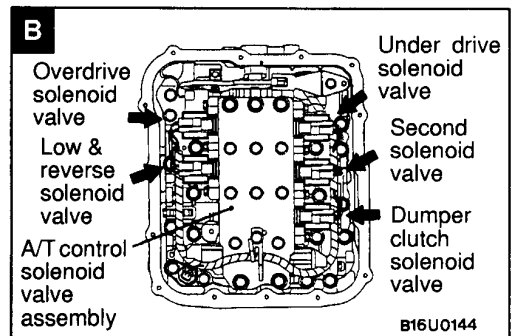
Name	Symbol	Name	Symbol
A/T control solenoid valve assembly	B	Vacuum solenoid valve <TCL>	A
EGR solenoid valve	C	Ventilation solenoid valve <TCL>	A
Purge control solenoid valve	C		



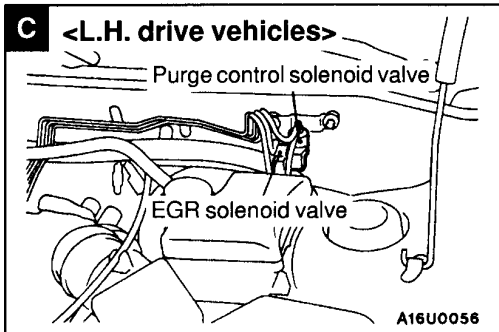
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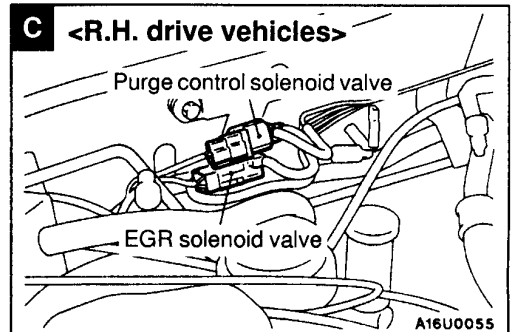
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B16U0144



A16U0056

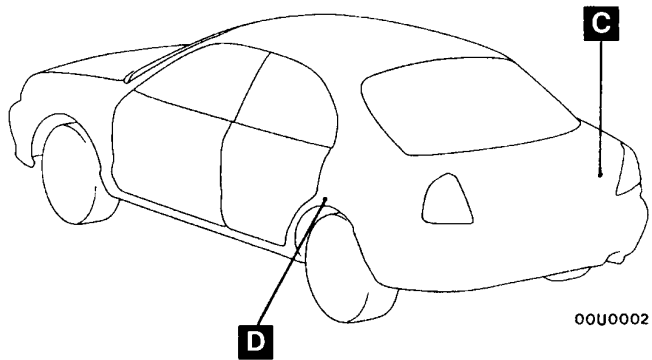
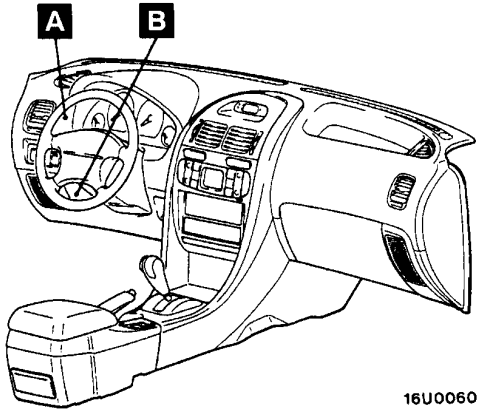


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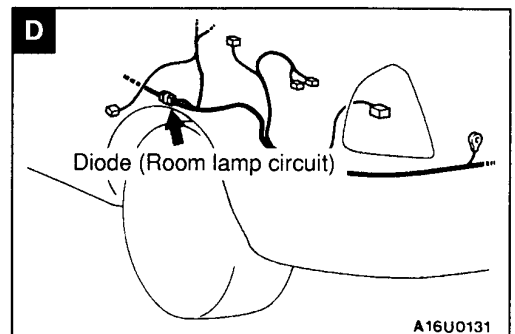
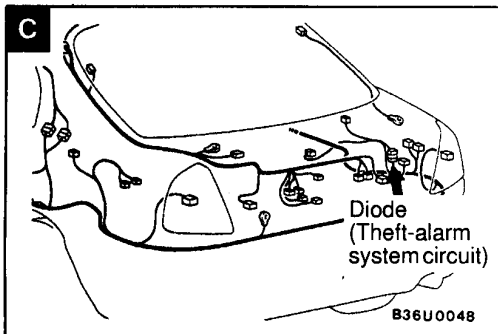
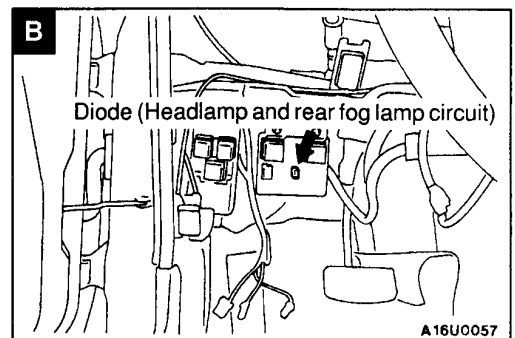
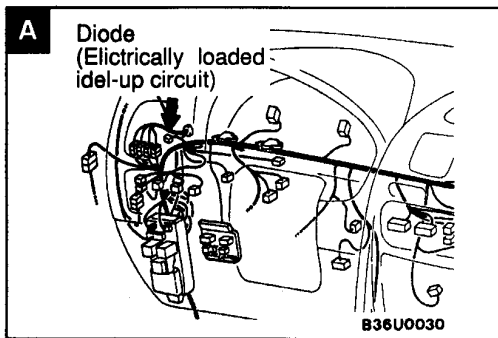
DIODE

70100090170

Name	Symbol	Name	Symbol
Diode (Electrically loaded idel-up circuit)	A	Diode (Headlamp and rear fog lamp circuit)	B
Diode (Theft-alarm system circuit)	C	Diode (Room lamp circuit)	D



00003503

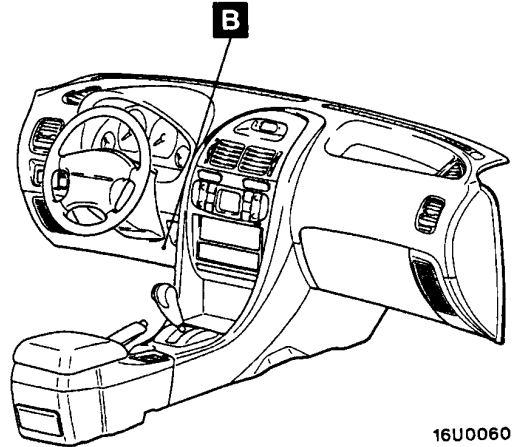
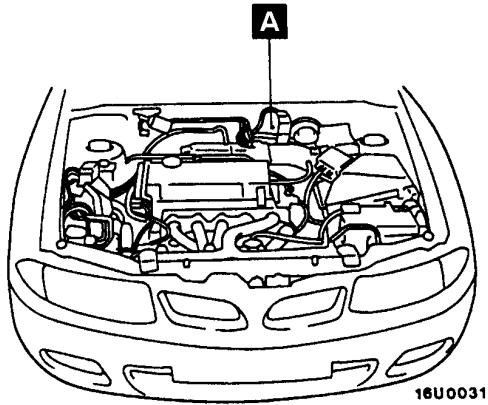


### 3-12 SINGLE PART INSTALLATION POSITION – Inspection Connector

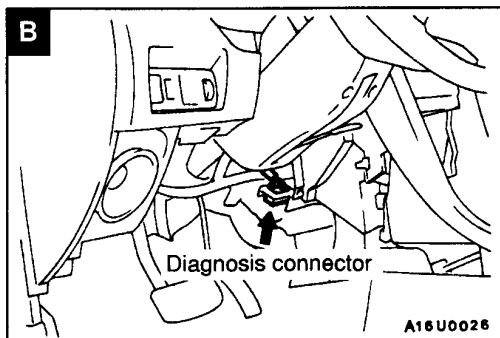
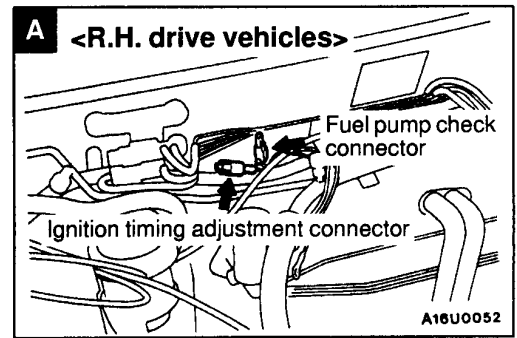
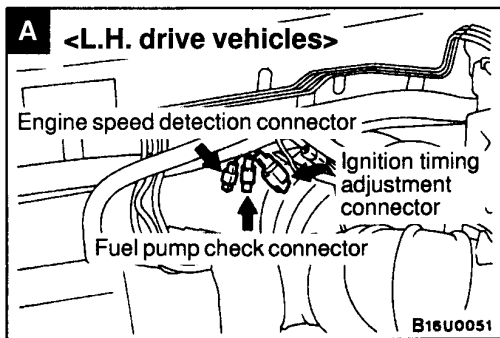
## INSPECTION CONNECTOR

70100020049

Name	Symbol	Name	Symbol
Diagnosis connector	B	Fuel pump check connector	A
Engine speed detection connector <DOHC>	A	Ignition timing adjustment connector	A



00003504

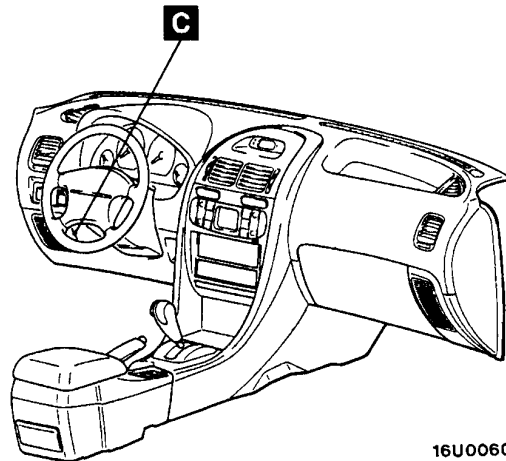
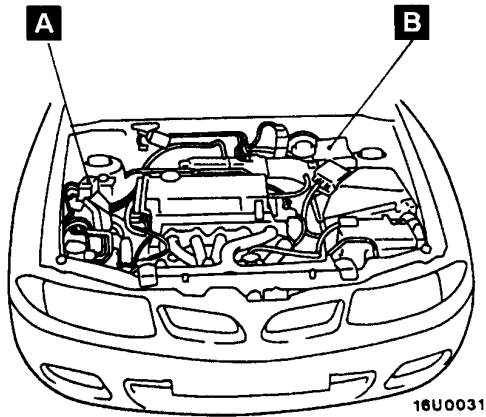




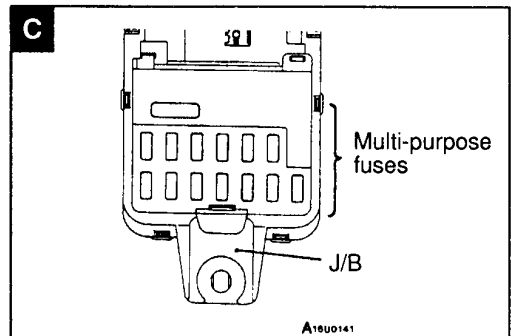
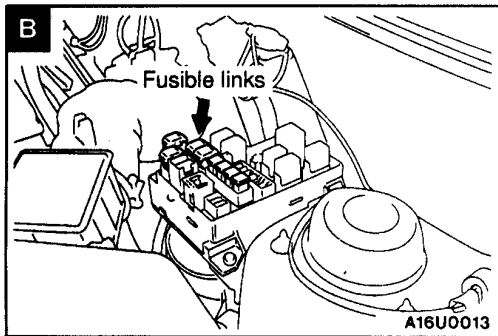
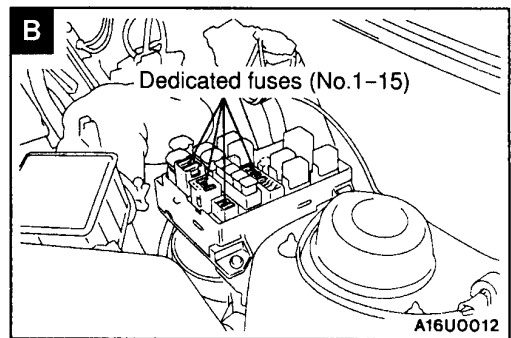
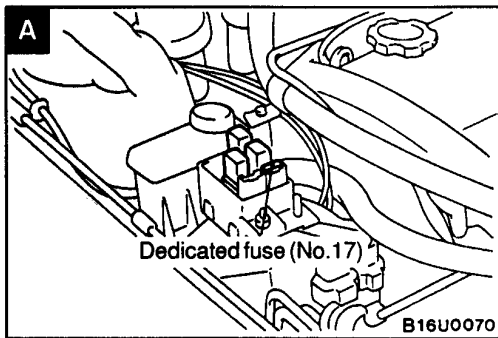
FUSIBLE LINK AND FUSE

70100010046

Name	Symbol	Name	Symbol
Dedicated fuses (No.1-15)	B	Fusible links	B
Dedicated fuses (No.17)	A	Multi-purpose fuses	C

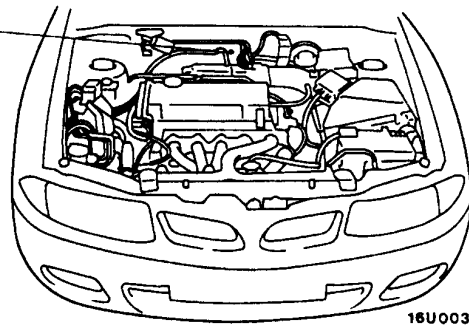
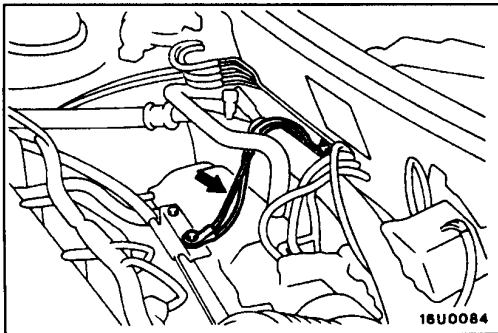


00003505



**EARTH CABLE**

70100100026

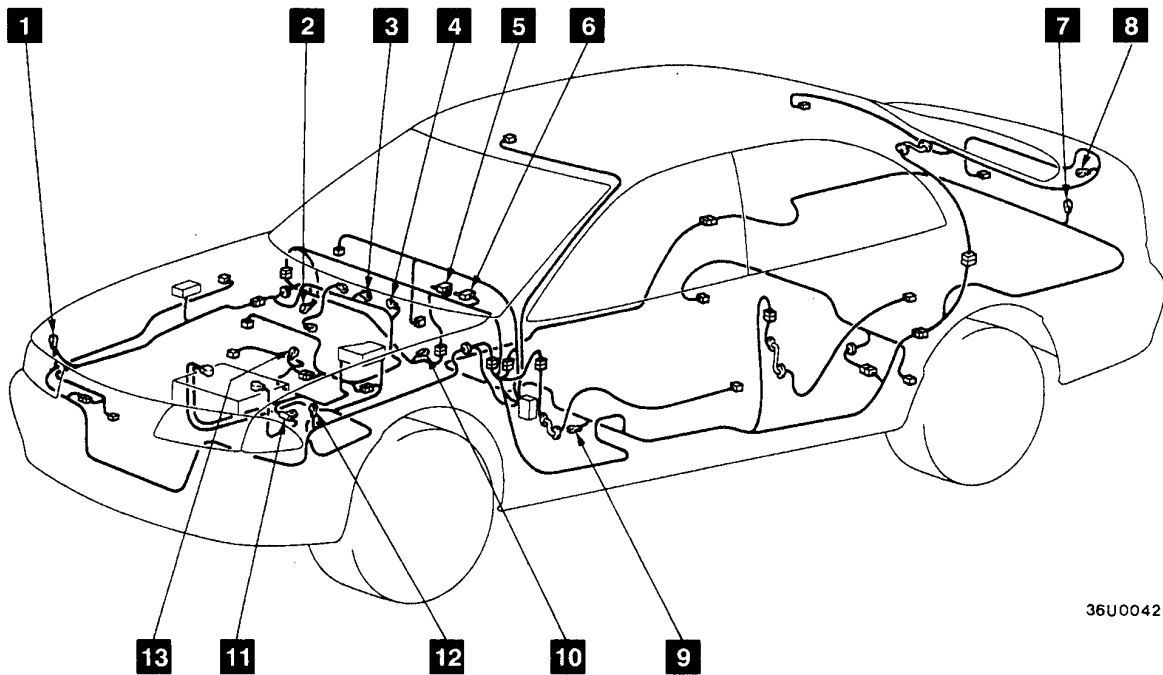


00003506

**EARTH**

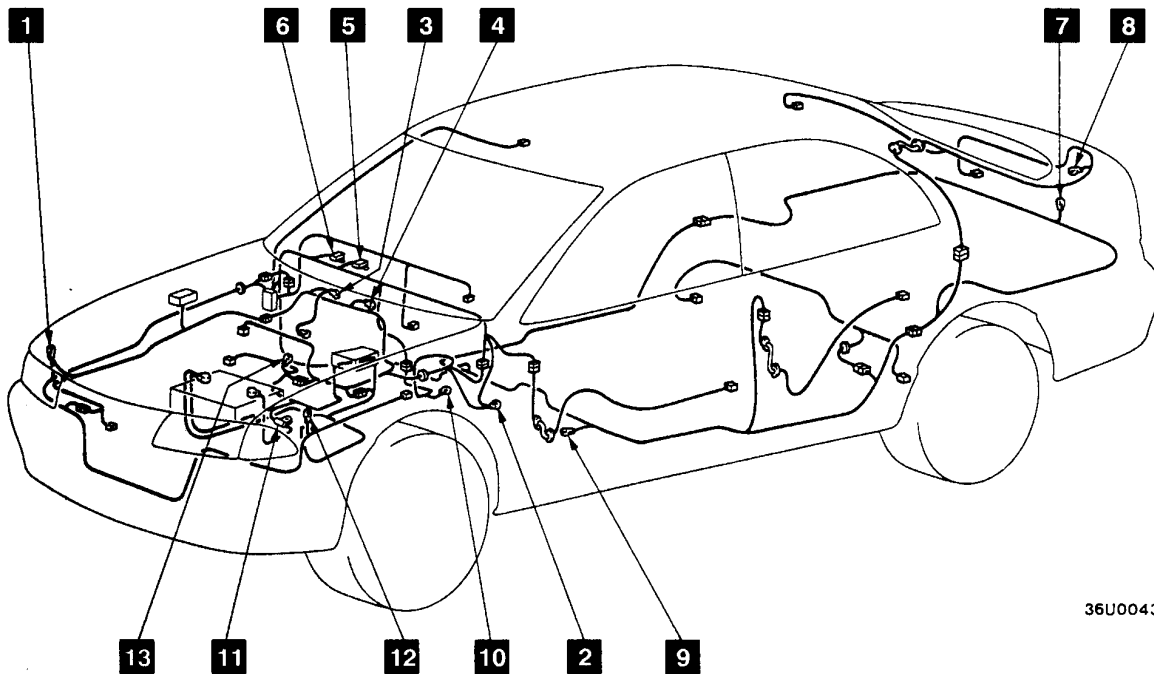
70100030189

<L.H. drive vehicles>



36U0042

<R.H. drive vehicles>

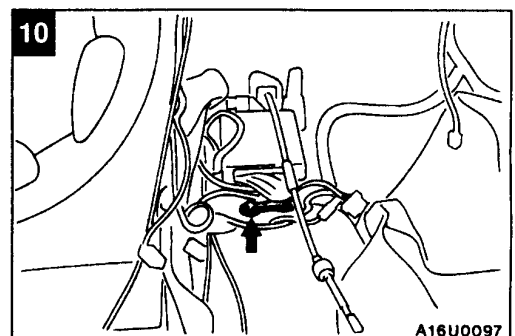
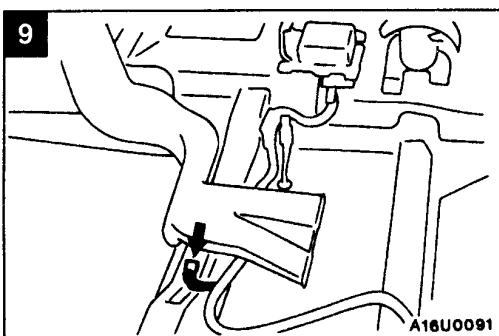
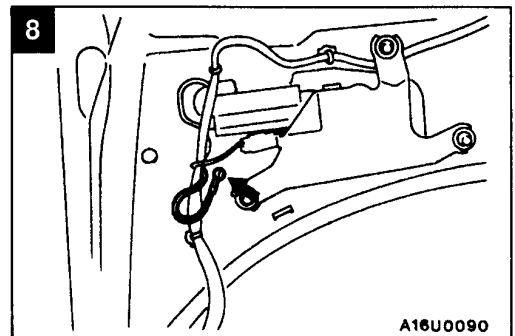
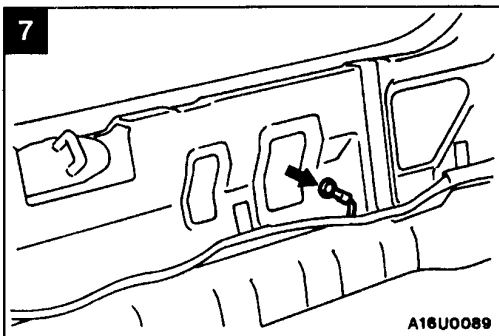
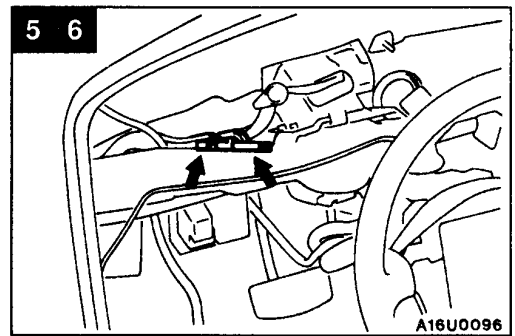
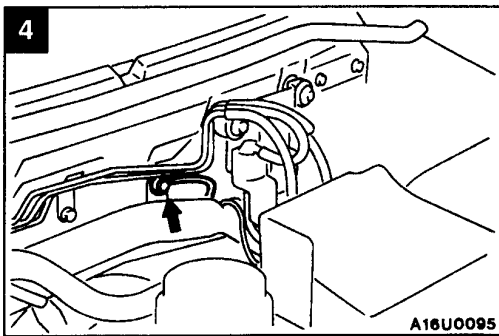
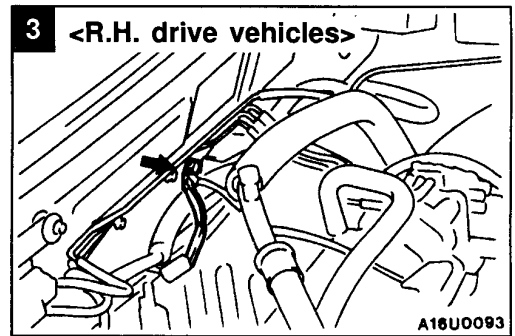
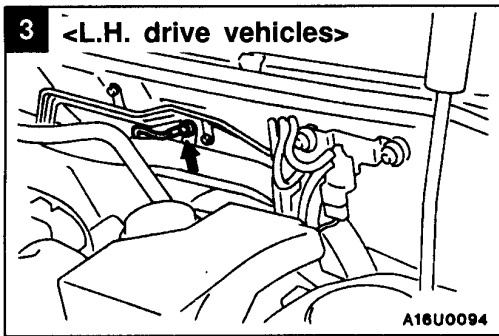
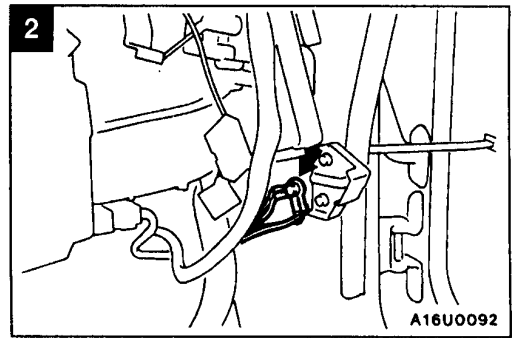
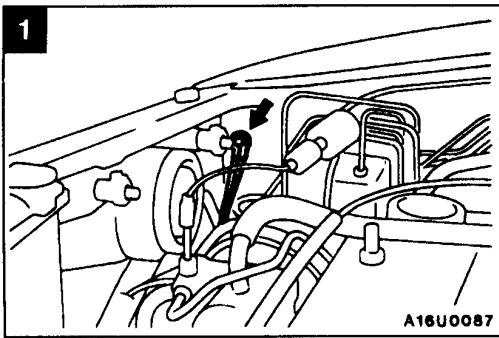


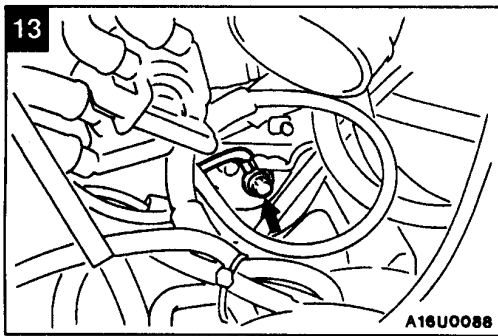
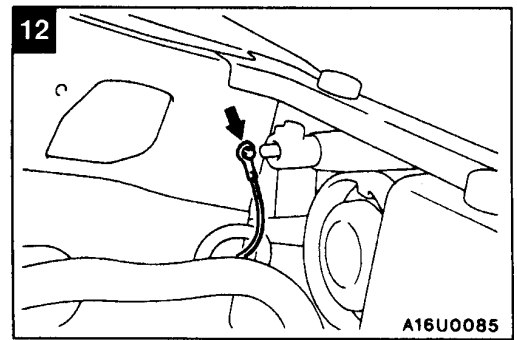
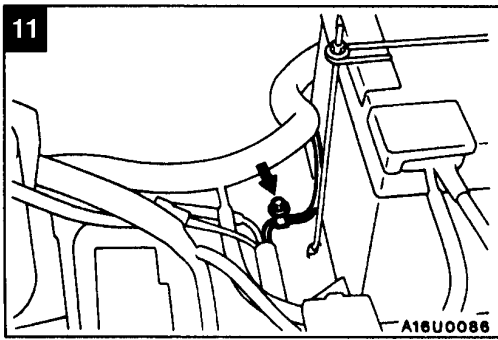
36U0043

00005216

**NOTE**

Same earth numbers are used in the circuit diagram.





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# CIRCUIT DIAGRAM

## CONTENTS

90109000158

<b>JUNCTION BLOCK (J/B)</b> .....	4-4	<b>TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER</b>	
<b>JOINT CONNECTOR (J/C)</b> .....	4-6	Vehicles without daytime running lamp .....	4-78
<b>CENTRALIZED JUNCTION</b> .....	4-7	Vehicles with daytime running lamp .....	4-82
<b>POWER DISTRIBUTION SYSTEM</b>		<b>FRONT FOG LAMP</b>	
Vehicles without daytime running lamp .....	4-12	Vehicles without daytime running lamp .....	4-86
Vehicles with daytime running lamp .....	4-18	Vehicles with daytime running lamp .....	4-88
<b>STARTING SYSTEM</b> .....	4-23	<b>REAR FOG LAMP</b>	
<b>IGNITION SYSTEM</b>		Vehicles without daytime running lamp .....	4-90
MPI-SOHC .....	4-25	Vehicles with daytime running lamp .....	4-92
MPI-DOHC .....	4-26	<b>ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP</b> .....	4-96
<b>CHARGING SYSTEM</b> .....	4-28	<b>TURN-SIGNAL LAMP AND HAZARD WARNING LAMP</b> .....	4-100
<b>MPI SYSTEM</b>		<b>STOP LAMP</b> .....	4-104
MPI-SOHC <Vehicles without TCL> .....	4-30	<b>BACK-UP LAMP</b> .....	4-105
MPI-SOHC <Vehicles with TCL> .....	4-38	<b>HORN</b>	
MPI-DOHC .....	4-48	Vehicles without SRS .....	4-106
<b>COOLING SYSTEM</b> .....	4-57	Vehicles with SRS .....	4-107
<b>ELC 4-SPEED AUTOMATIC TRANSMISSION</b> .....	4-58	<b>METER AND GAUGE</b> .....	4-108
<b>HEADLAMP</b>		<b>OIL PRESSURE WARNING LAMP</b> .....	4-111
Vehicles without daytime running lamp .....	4-69	<b>FUEL WARNING LAMP</b> .....	4-111
Vehicles with daytime running lamp .....	4-72		
<b>HEADLAMP LEVELING SYSTEM</b> .....	4-76		

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<b>BRAKE WARNING LAMP</b> .....	4-111	<b>CLOCK</b>	
<b>CENTRAL DOOR LOCKING SYSTEM</b>		L.H. drive vehicles .....	4-157
Vehicles without theft-alarm system .....	4-114	R.H. drive vehicles .....	4-158
Vehicles with theft-alarm system .....	4-116	<b>CIGARETTE LIGHTER</b> .....	4-159
<b>POWER WINDOWS</b> .....	4-120	<b>RADIO AND TAPE PLAYER (VEHICLE HARNESS WITHOUT RADIO AND TAPE PLAYER COMPONENT)</b> .....	4-160
<b>HEATER</b> .....	4-126	<b>RADIO AND TAPE PLAYER</b> .....	4-162
<b>MANUAL AIR CONDITIONER</b> .....	4-130	<b>SUNROOF</b> .....	4-164
<b>FULL-AUTO AIR CONDITIONER AND AIR PURIFIER</b> .....	4-136	<b>HEATED SEAT</b> .....	4-166
<b>WINDSHIELD WIPER AND WASHER</b> ....	4-144	<b>ANTI-LOCK BRAKING SYSTEM (ABS)</b> .....	4-168
<b>REAR WIPER AND WASHER</b>		<b>TRACTION CONTROL SYSTEM (TCL)</b> .....	4-172
Vehicles without intermittent wiper .....	4-146	<b>AUTO-CRUISE CONTROL SYSTEM</b> ....	4-180
Vehicles with intermittent wiper .....	4-148	<b>SUPPLEMENTAL RESTRAINT SYSTEM (SRS)</b> .....	4-188
<b>HEADLAMP WASHER</b> .....	4-151	<b>THEFT-ALARM SYSTEM</b> .....	4-190
<b>DEFOGGER AND DOOR MIRROR HEATER</b>		<b>IMMOBILIZER SYSTEM</b> .....	4-196
L.H. drive vehicles .....	4-152	<b>RHEOSTAT</b> .....	4-198
R.H. drive vehicles .....	4-154		
<b>REMOTE CONTROLLED MIRROR</b> .....	4-156		

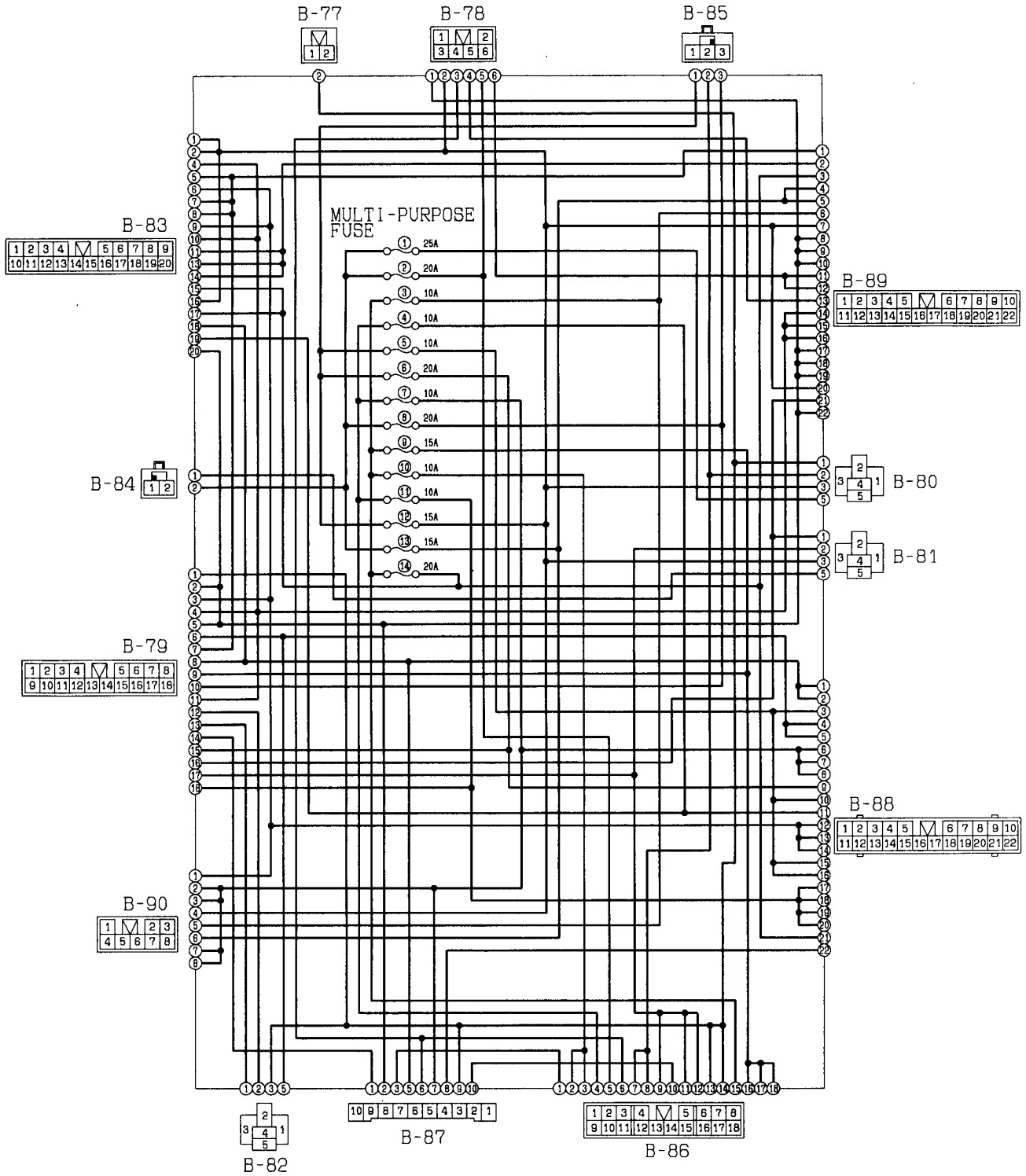
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NOTES



JUNCTION BLOCK (J/B)

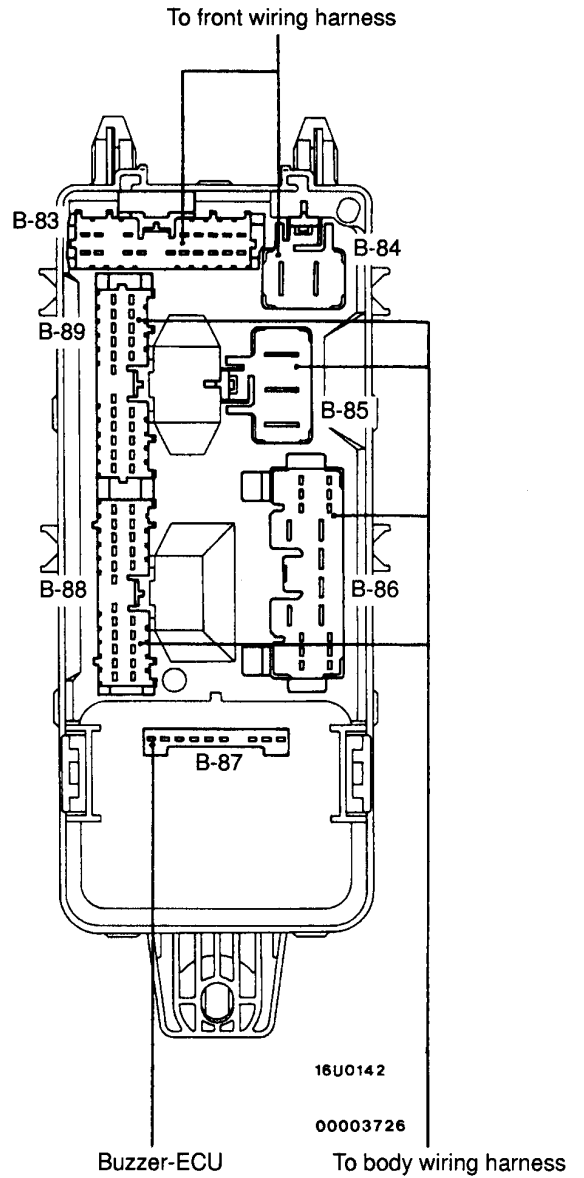
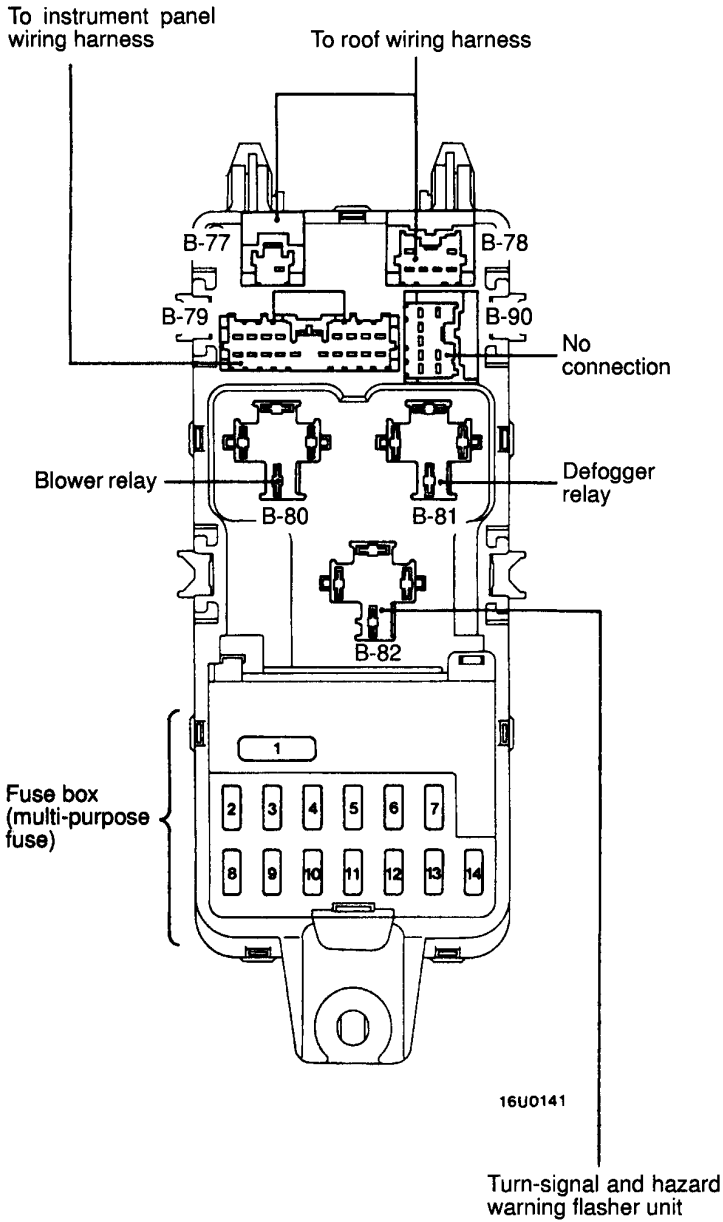
90100020191



REMARK  
CONNECTOR NUMBERS ARE KEYED TO THE CONFIGURATION  
DIAGRAM (DASH PANEL) AND EACH CIRCUIT DIAGRAM.

Front side

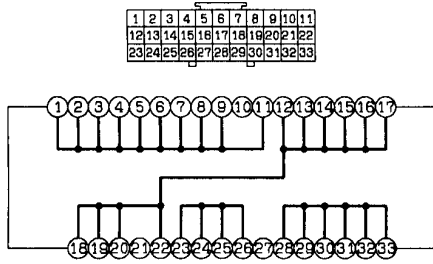
Rear side



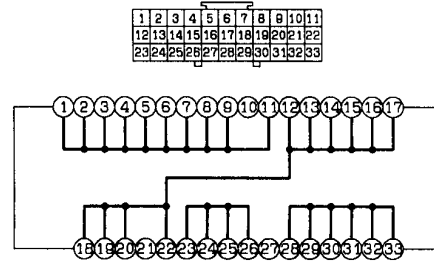
JOINT CONNECTOR (J/C)

90100020085

J/C (1) B-75X



J/C (2) B-76X



Remark

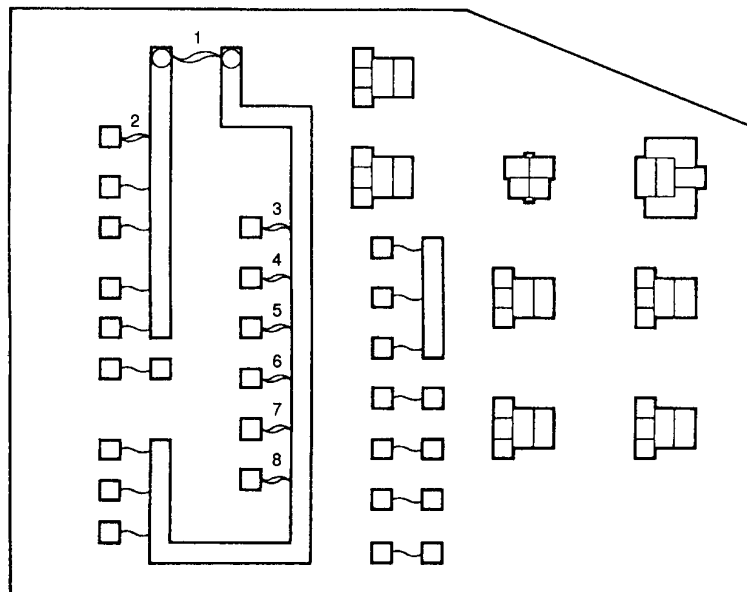
In actual vehicles, any of the terminals connected in J/C are used. The terminals described in the circuit diagram may not be identical to those of the vehicles.

**CENTRALIZED JUNCTION**

90100030231

**FUSIBLE LINK (Relay box in engine compartment)**

No.	Circuit	Housing colour	Rated capacity (A)
1	Fusible link No. (2) and dedicated fuse No. (1), (2), (3) circuit <When the engine is stopped> Fusible link No. (3), (4), (5), (6), (7), (8) and dedicated fuse No. (7), (8) circuit <After start of the engine>	Black	80A
2	A/C and multi-purpose fuse No. (1), (2), (13) circuit	Green	40A
3	Theft-alarm system and ignition switch circuit	Green	40A
4	ABS circuit	Red	50A
5	MPI system and ELC 4-speed automatic transmission circuit	Light blue	20A
6	Charging system, headlamp, tail lamp and headlamp washer circuit	Pink	30A
7	A/C and cooling system circuit	Pink	30A
8	Power windows	Pink	30A

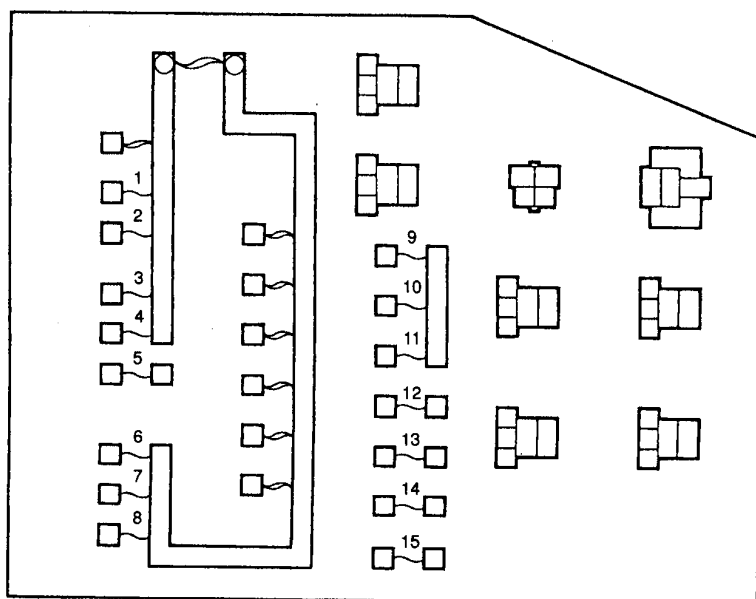


A16U0155

## DEDICATED FUSE (Relay box in engine compartment)

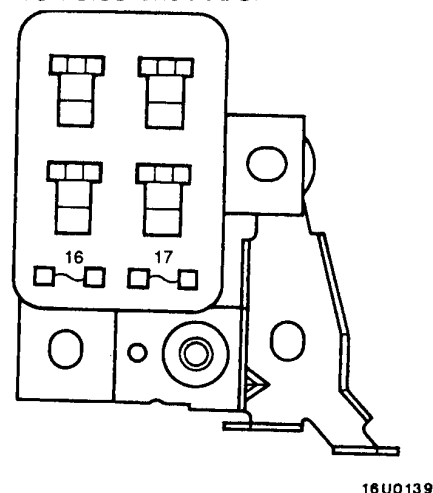
90100030248

Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Battery (Fusible link No.1) /Alternator	1	25A	Transparent	Defogger and mirror heater circuit
	2	25A	Transparent	Condenser fan circuit
	3	10A	Red	Door warning lamp, clock, luggage compartment lamp, motor antenna, radio, room lamp, security warning lamp circuit, ECU power supply and MUT-II power supply circuit
—	4	—	—	—
Ignition switch (ACC)	5	10A	Red	Auto-cruise control, motor antenna and radio circuit
—	6	—	—	—
Battery/Alternator (Fusible link No.1)	7	10A	Red	Hazard warning circuit
	8	15A	Blue	Stop lamp circuit
Lighting switch (Fusible link No.6) <Vehicles without daytime running lamp>/Tail lamp relay (Fusible link No.6) <Vehicles with daytime running lamp>	9	15A	Blue	Front fog lamp circuit
	10	10A	Red	Tail lamp circuit
	11	10A	Red	Illumination, rheostat and tail lamp circuit
Headlamp relay (Fusible link No.6)	12	10A	Red	High beam indicator lamp, headlamp and rear fog lamp circuit
—	13	—	—	—
—	14	—	—	—
—	15	—	—	—
—	16	—	—	—
Battery (Fusible link No.1, 2) /Alternator (Fusible link No.2)	17	10A	Red	A/C compressor circuit



16U0155

<Vehicles with A/C>



16U0139

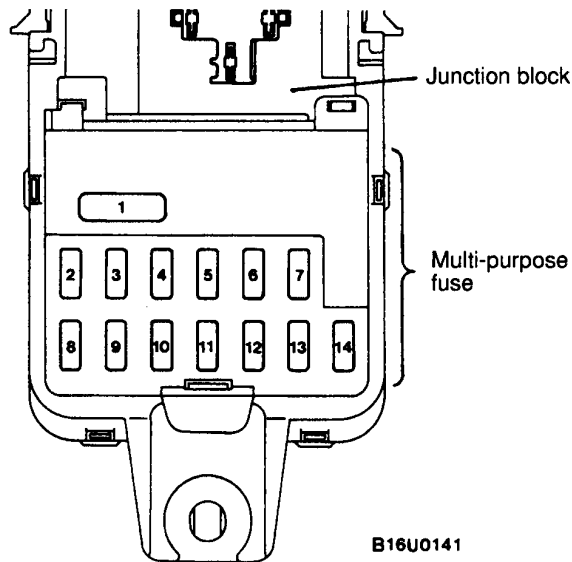
00005226

**MULTI-PURPOSE FUSE (In junction block)**

90100030255

Power supply circuit	No.	Rated capacity (A)	Housing colour	Load circuit	
Battery (Fusible link No.1, 2) /Alternator (Fusible link No.2)	1	25A	Transparent	A/C control panel and ECU assembly <Full-auto A/C>, blower motor, power transistor <Full-auto A/C> and resistor <Heater and manual A/C>	
	2	20A	Yellow	Keyless entry receiver ECU and sunroof ECU	
Ignition switch	ACC	3	10A	Horn and horn relay	
	IG1	4	10A	A/T shift indicator lamp, back-up lamp, ELC-4A/T-ECU, hold indicator lamp, SRS-ECU and alternator relay	
	IG2	5	10A	Red	ABS-ECU, auto-cruise ECU, auto-cruise main switch, power window main switch and TCL-ECU
		6	20A	Yellow	Heated seat
IG1	7	10A	Red	A/T-ECU, ABS-ECU, auto-cruise ECU, combination meter, motor antenna, pulse generator and SRS-ECU	

Power supply circuit		No.	Rated capacity (A)	Housing colour	Load circuit
Battery (Fusible link No.1, 2) /Alternator (Fusible link No.2)		8	20A	Yellow	—
Ignition switch	ACC	9	15A	Blue	Cigarette lighter and clock
		10	10A	Red	Keyless entry receiver ECU and remote controlled mirror
	IG1	11	10A	Red	Immobilizer-ECU, Turn signal and hazard warning flasher unit, turn signal lamp, SRS-ECU and steering wheel sensor
	IG2	12	15A	Blue	A/C control panel and ECU <Full-auto A/C>, A/C switch <Manual A/C>, air purifier, automatic compressor ECU <Manual A/C>, blower high speed relay <Full-auto A/C>, blower relay, defogger relay, DRL-ECU, DRL-relay 1, headlamp washer relay and sunroof ECU
Battery (Fusible link No.1, 2) /Alternator (Fusible link No.2)		13	15A	Blue	Door lock ECU
Ignition switch	ACC	14	20A	Yellow	Intermittent wiper relay, rear washer motor and wiper motor, windshield washer motor and wiper motor



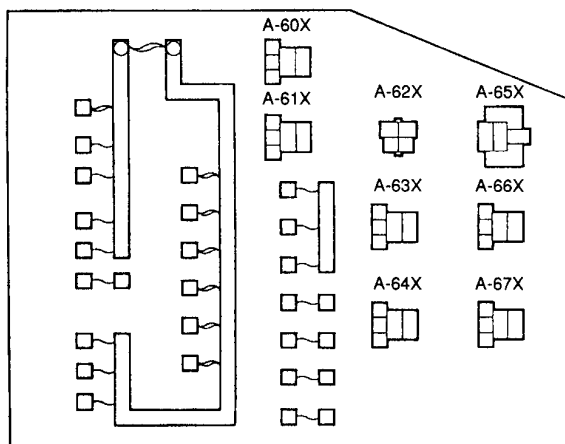
B16U0141

**CENTRALIZED RELAY**

90100030262

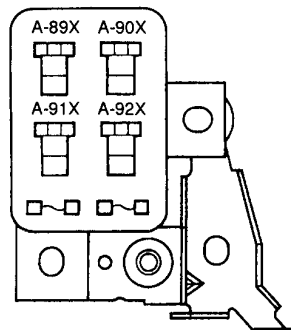
Connector No.	Name	Connector No.	Name
A-60X	Theft-alarm horn relay	B-67X	Door lock ECU <Vehicles without theft-alarm system>
A-61X	Tail lamp relay <DRL>		
A-62X	Alternator relay	B-68X	—
A-63X	Radiator fan relay	B-69X	Rear intermittent wiper relay
A-64X	Headlamp relay		
A-65X	Headlamp washer relay	B-70X	Rear fog lamp relay
A-66X	—	B-71X	—
A-67X	Horn relay <Theft-alarm system>	B-72X	Diode
A-89X	—	B-73X	—
A-90X	Condenser fan relay (LO) <A/C>	B-74X	—
A-91X	Condenser fan relay (HI) <A/C>	B-75X	J/C (1)
A-92X	A/C compressor relay	B-76X	J/C (2)

**(Relay box in engine compartment)**



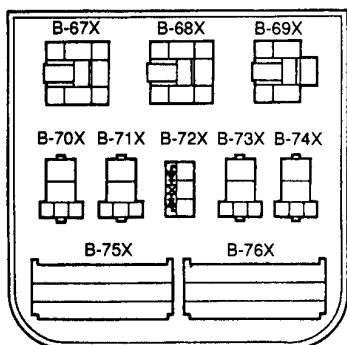
16U0155

**Vehicles with A/C**



16U0139

**(Relay box in driver compartment)**



16U0143

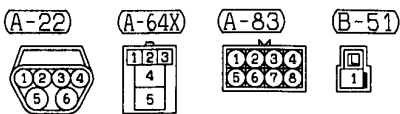
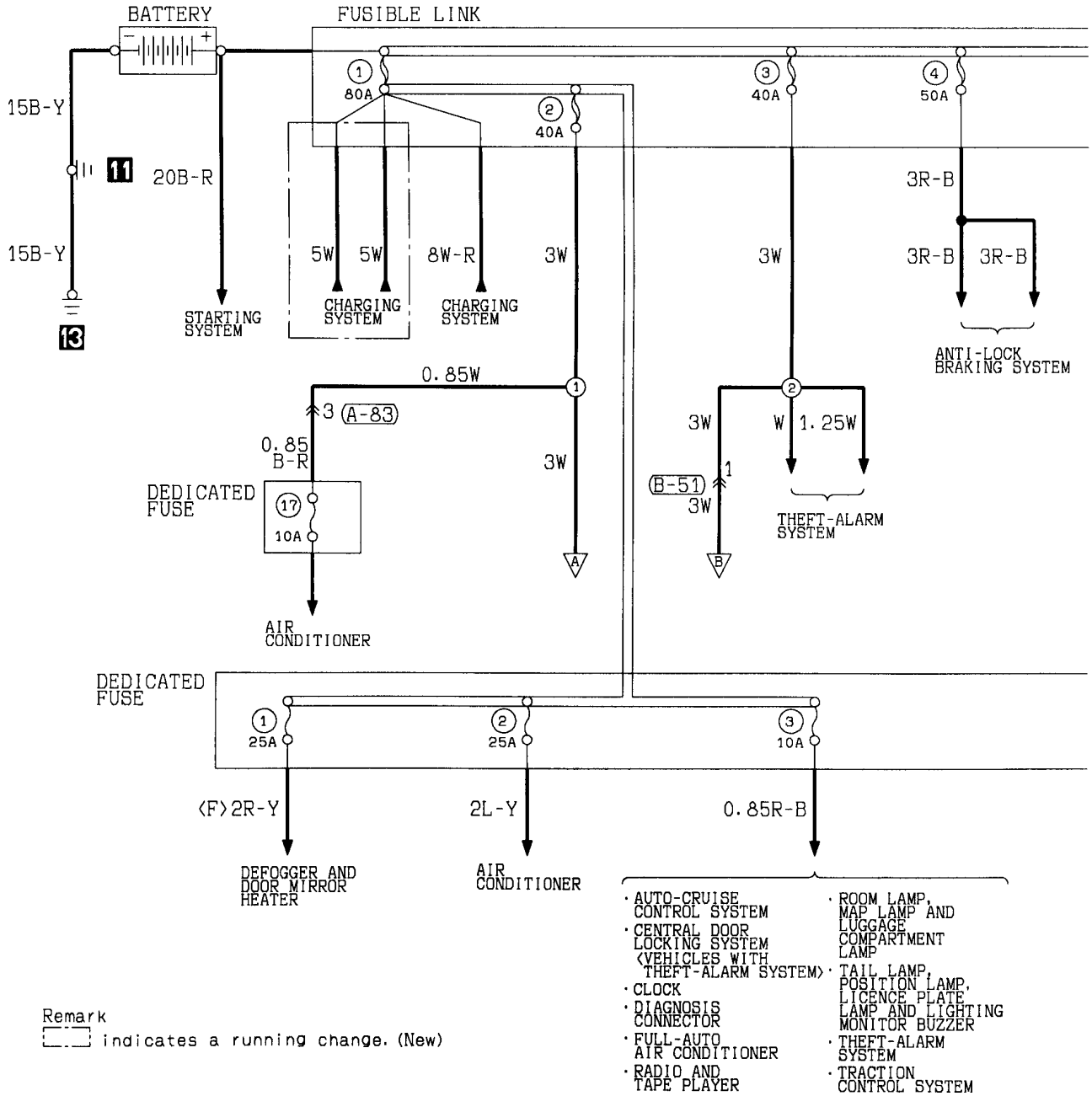
00005224

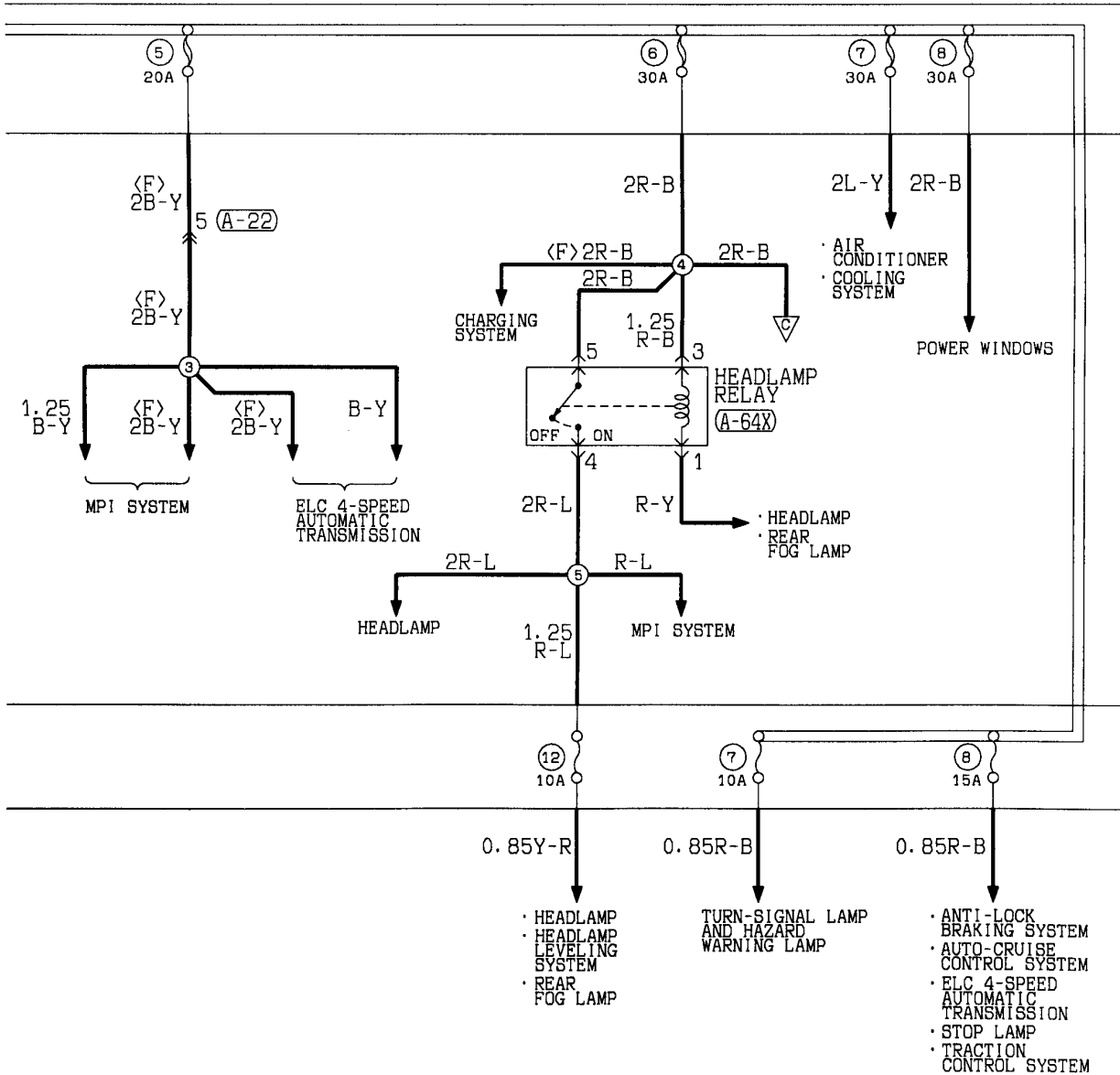


POWER DISTRIBUTION SYSTEM

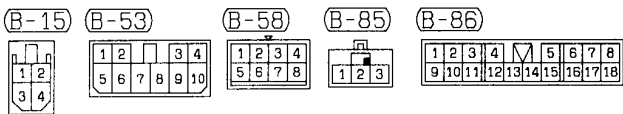
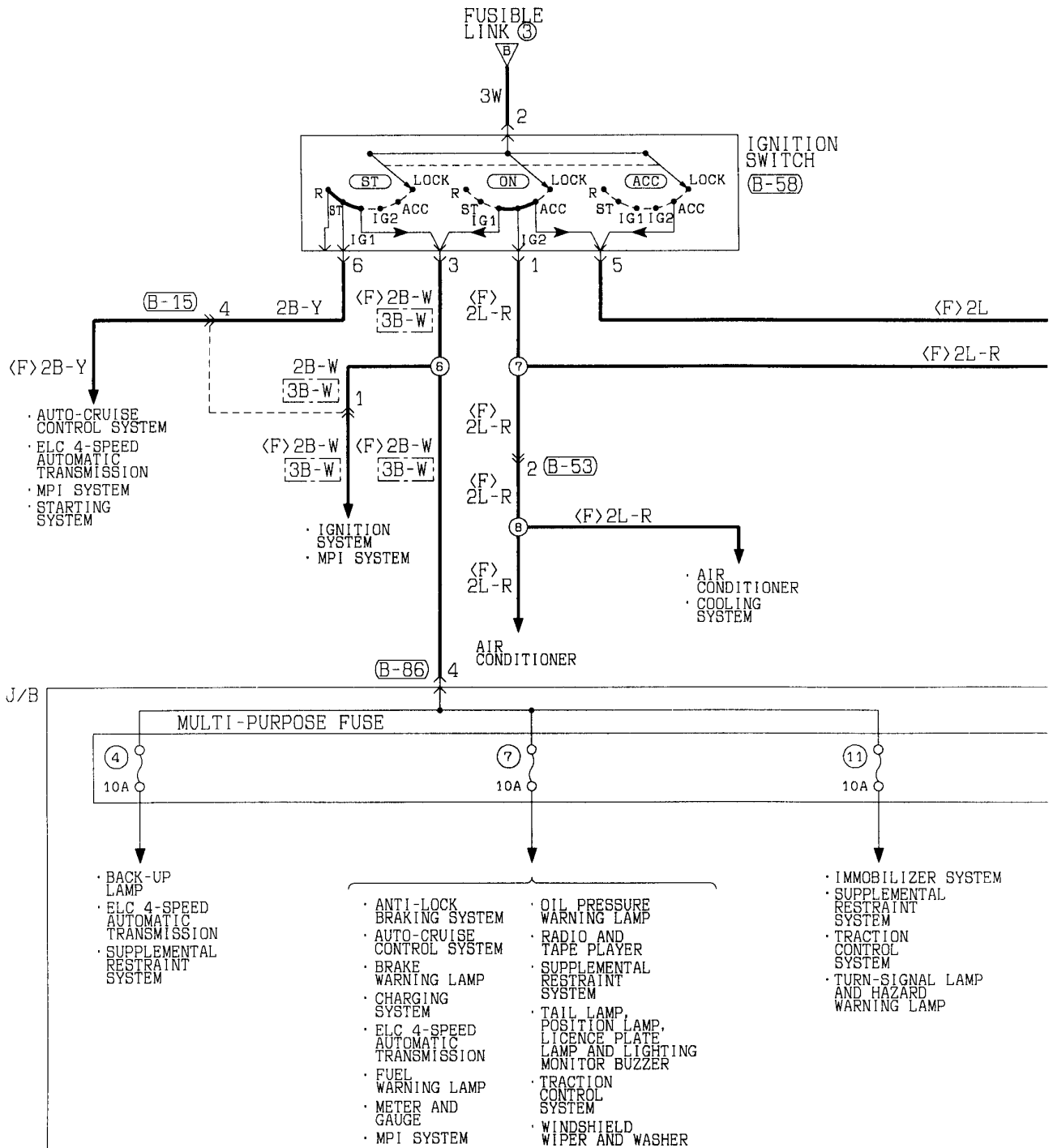
90100040258

Vehicles without daytime running lamp

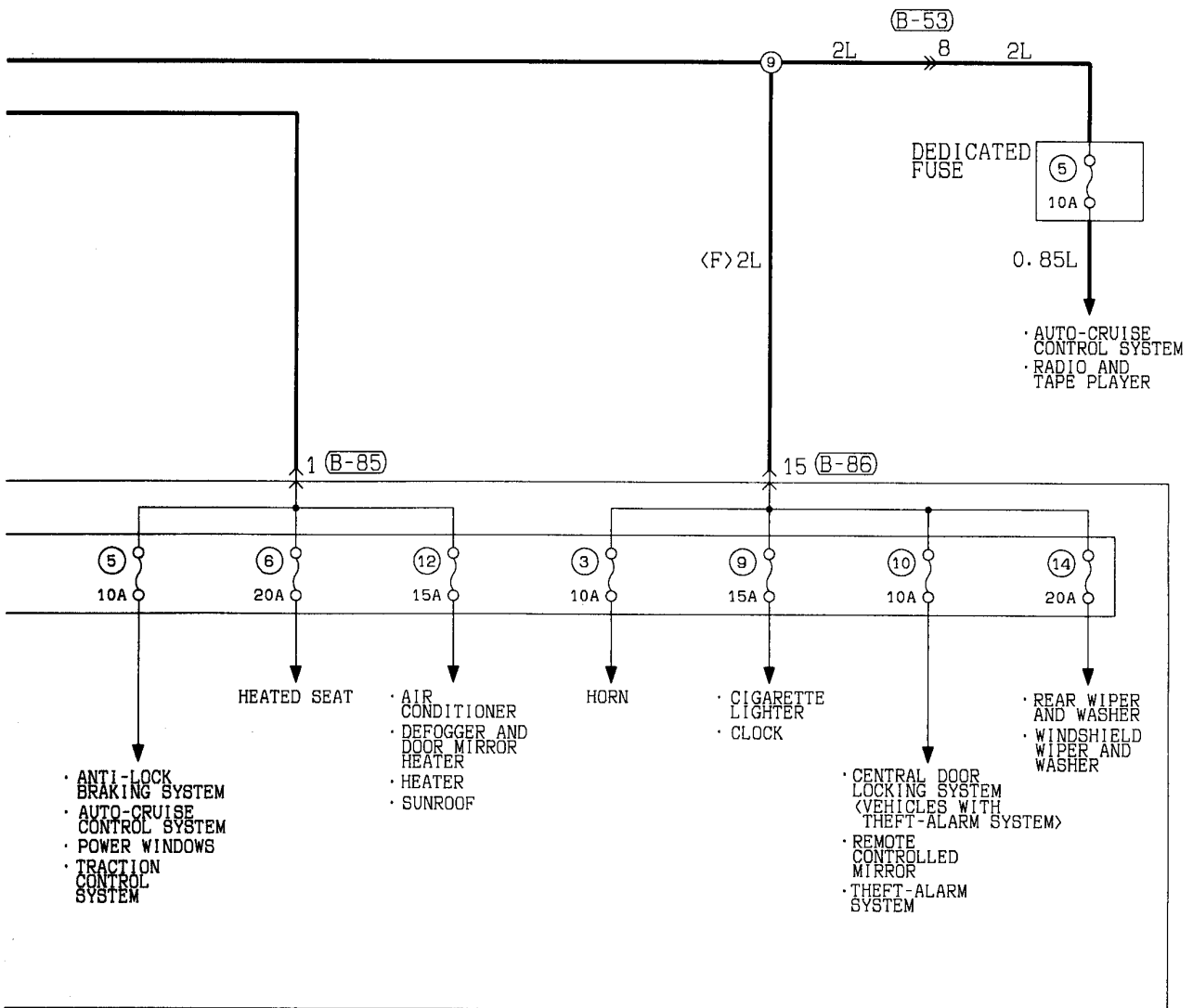




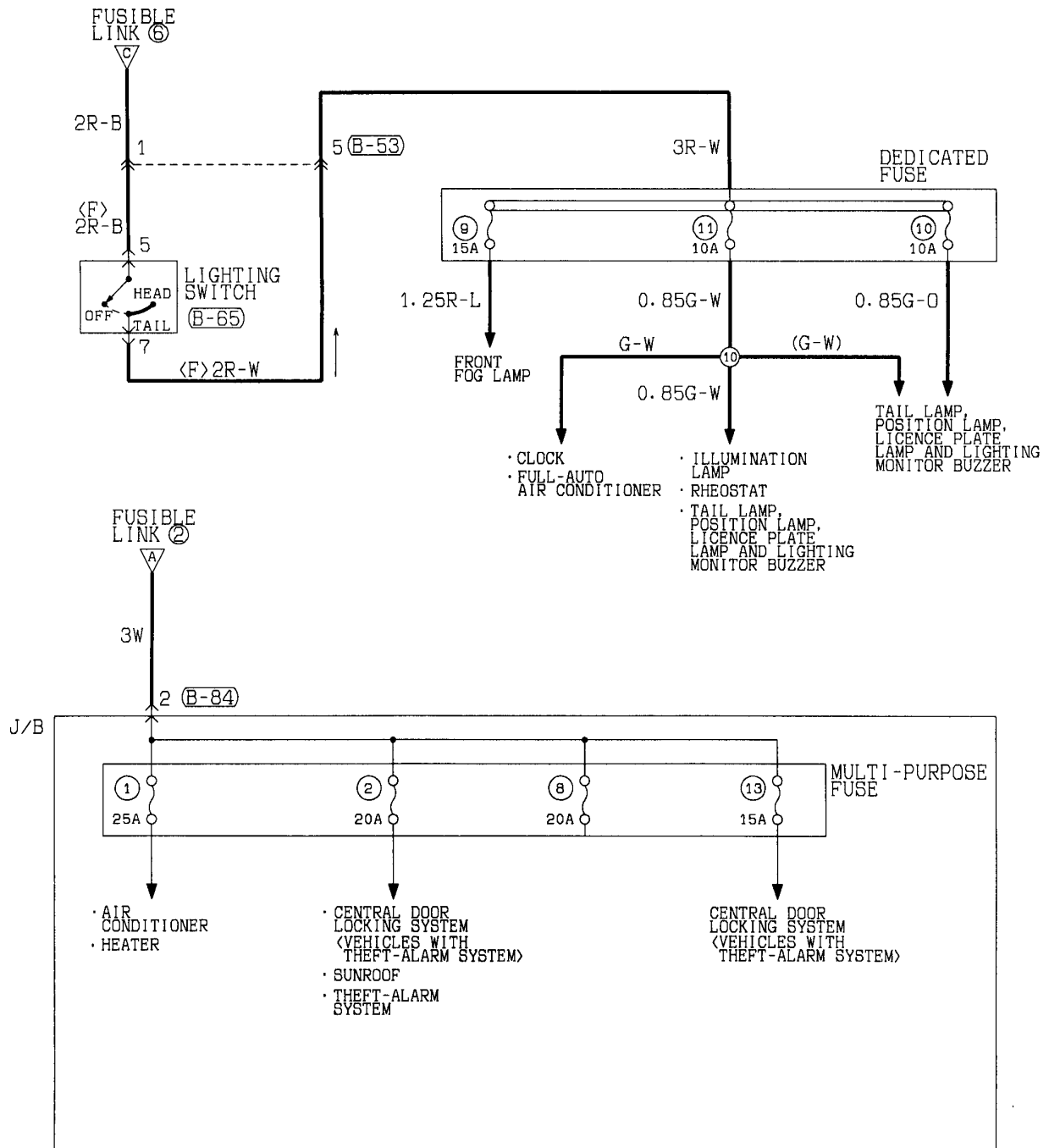
POWER DISTRIBUTION SYSTEM <Vehicles without daytime running lamp>  
(CONTINUED)



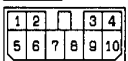
Remark  
 [ ] indicates a running change. (New)



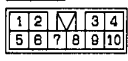
**POWER DISTRIBUTION SYSTEM <Vehicles without daytime running lamp>  
(CONTINUED)**



(B-53)



(B-65)



(B-84)

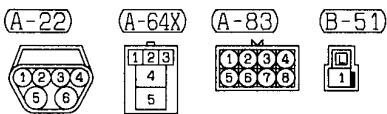
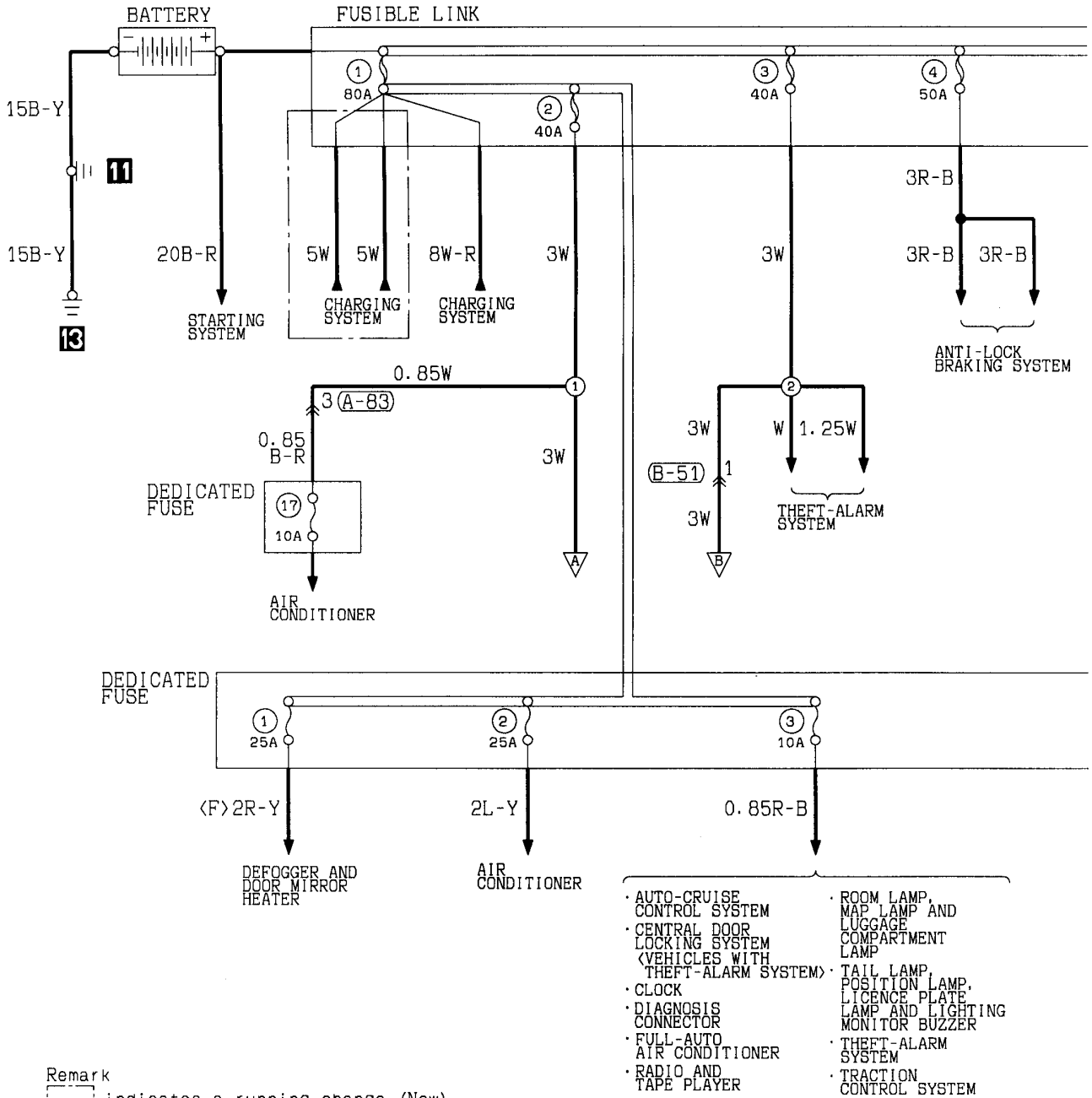


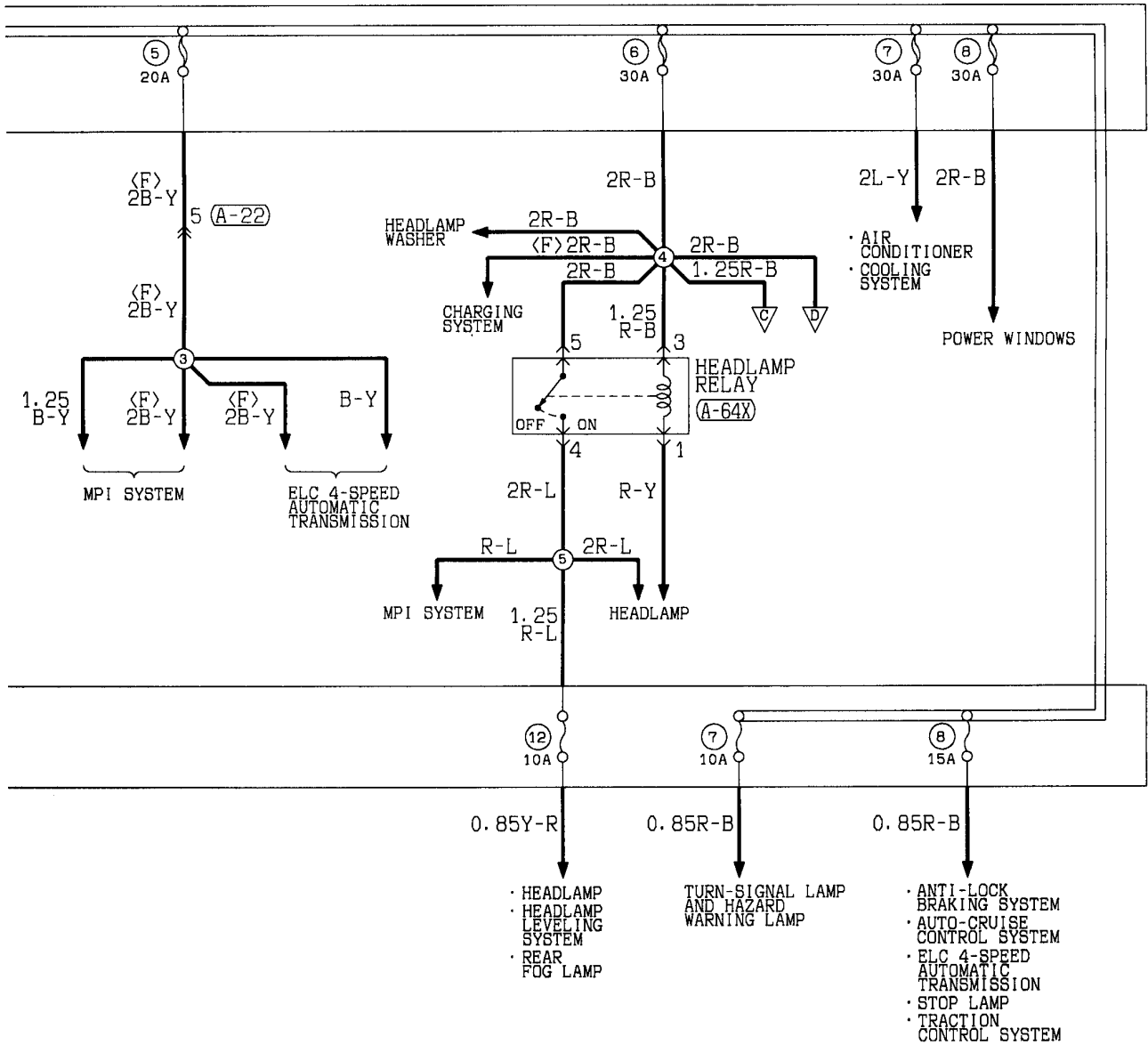
NOTES

POWER DISTRIBUTION SYSTEM

90100040265

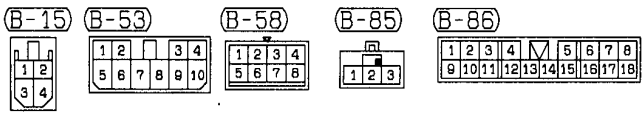
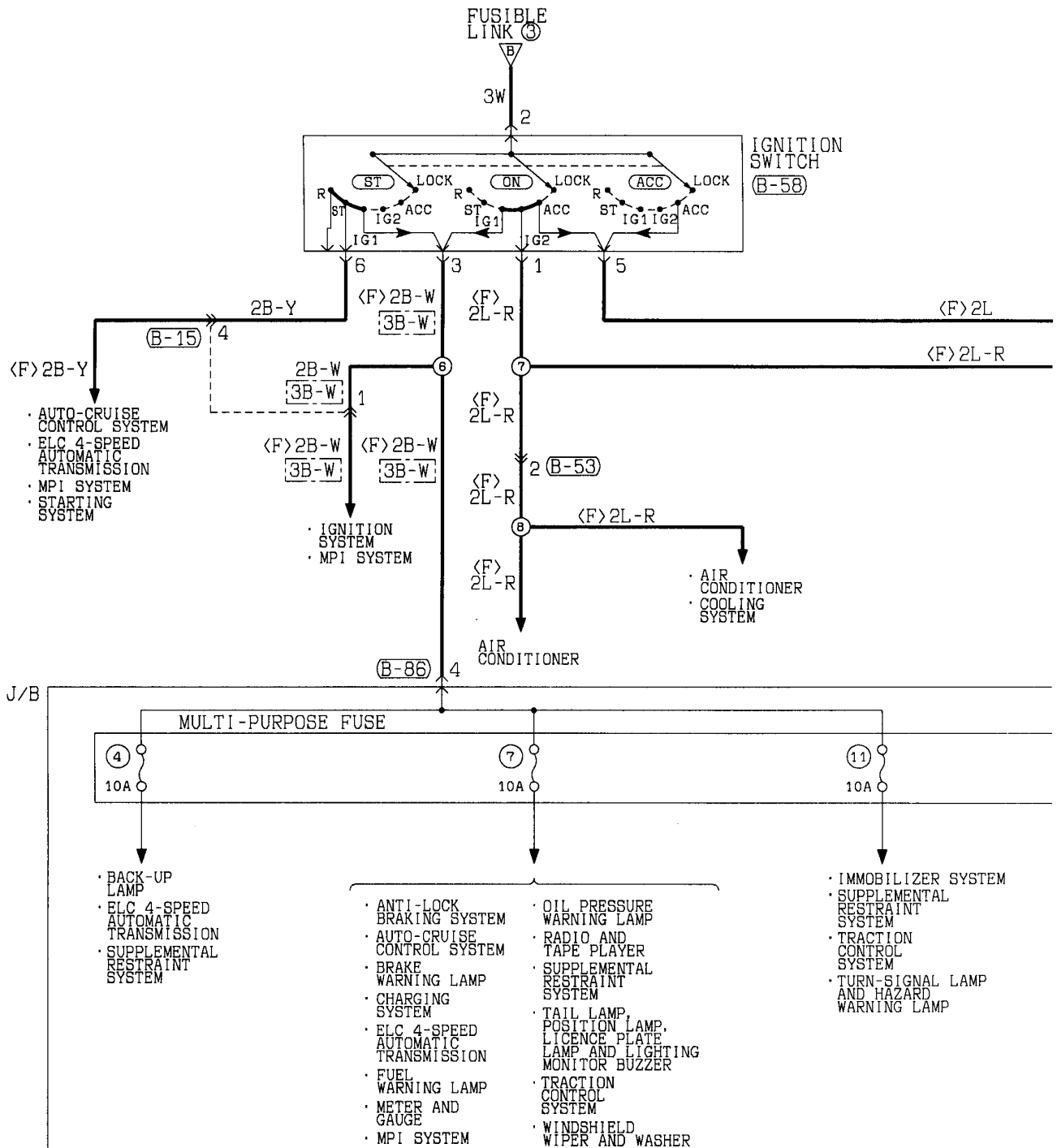
Vehicles with daytime running lamp



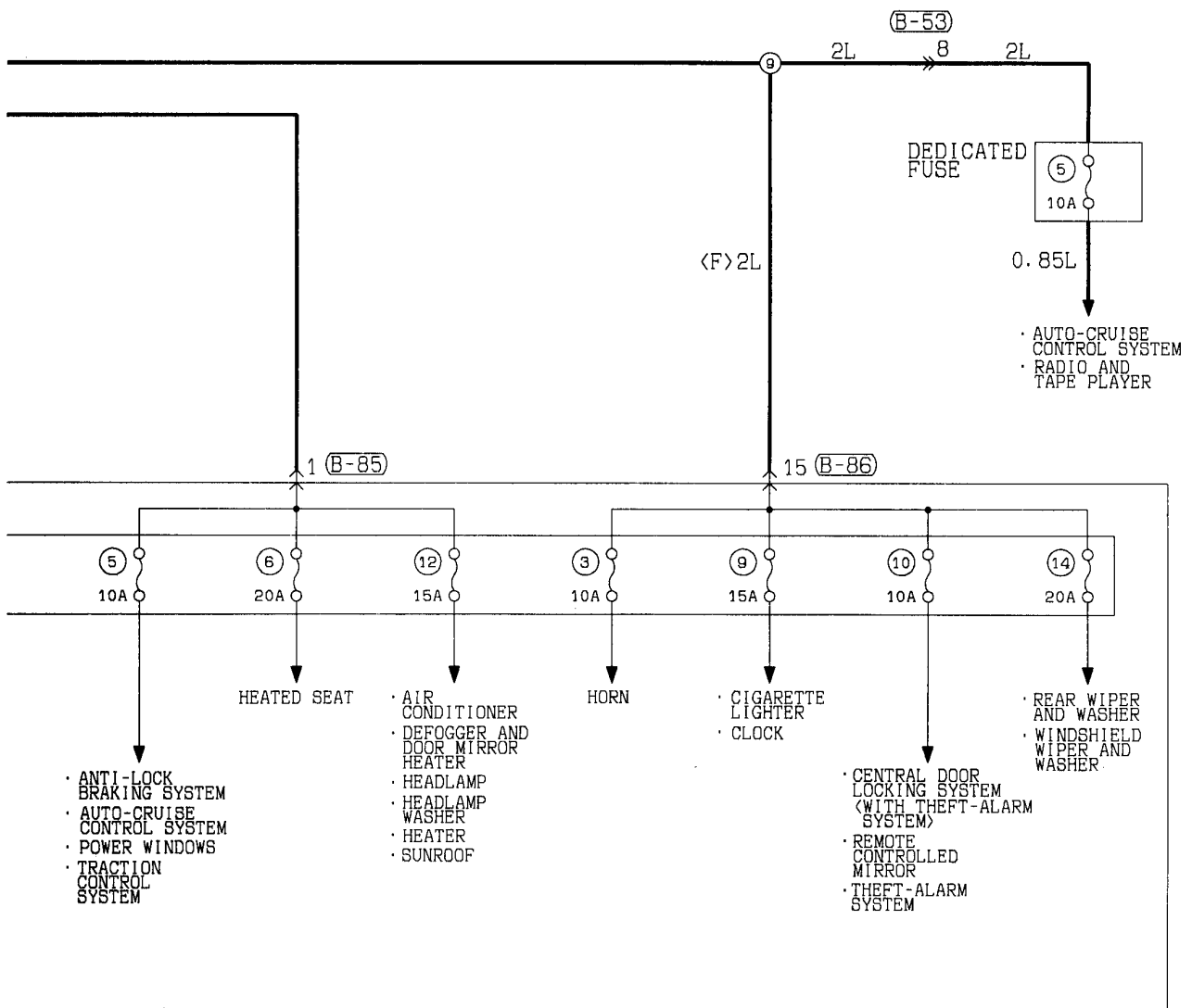




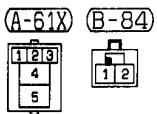
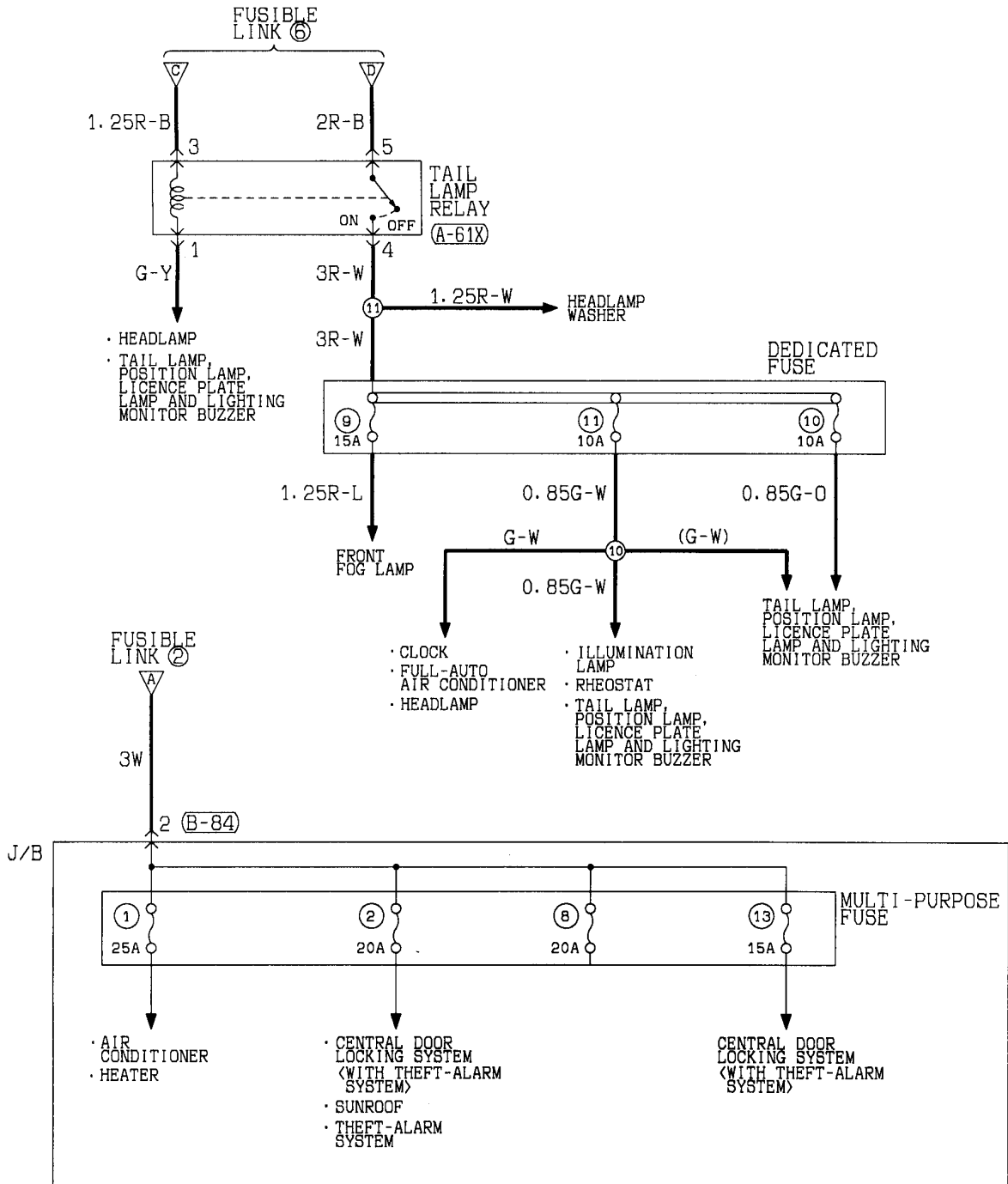
**POWER DISTRIBUTION SYSTEM <Vehicles with daytime running lamp>  
(CONTINUED)**



Remark  
 indicates a running change. (New)

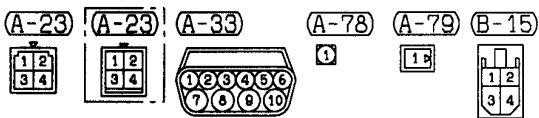
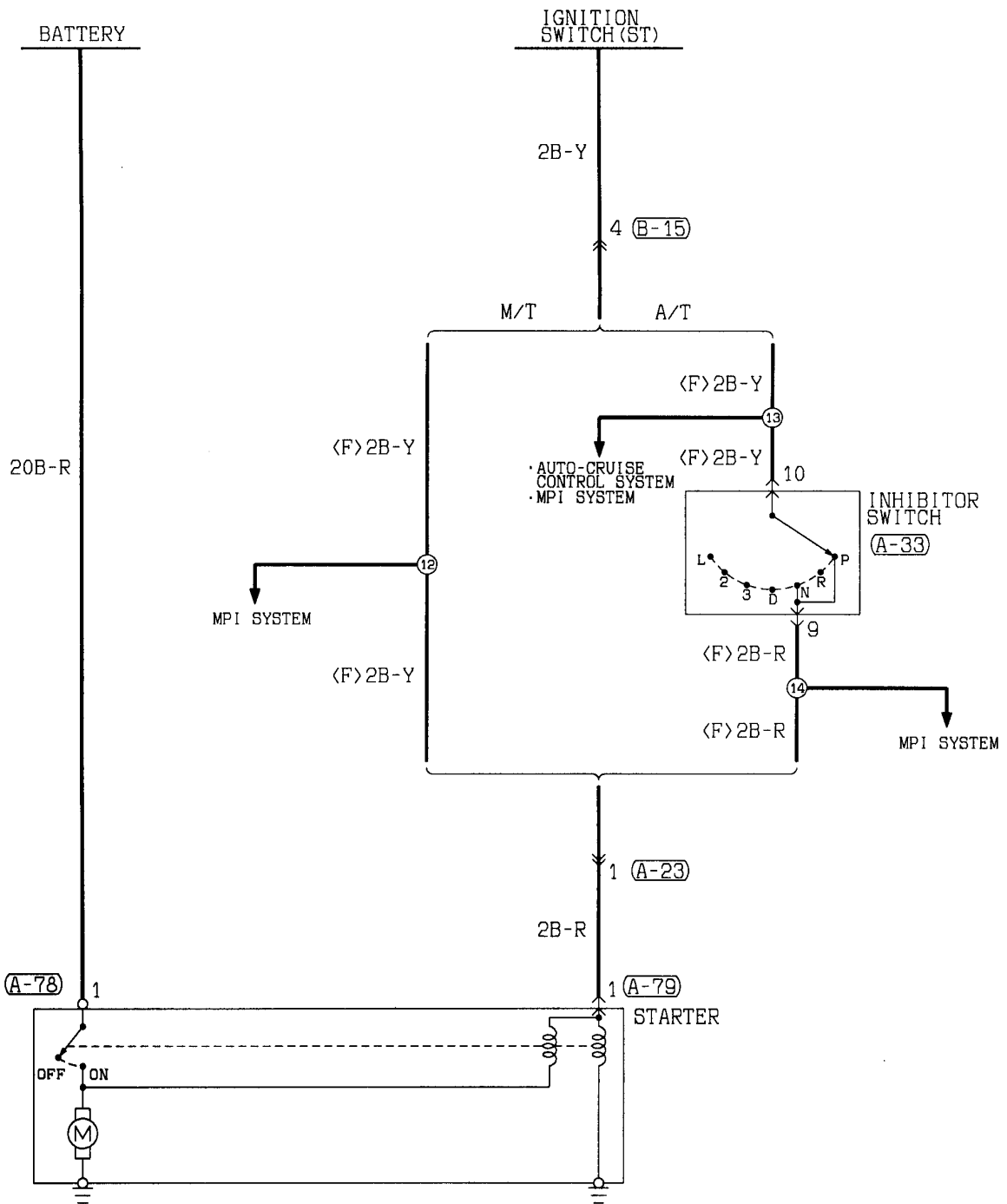


POWER DISTRIBUTION SYSTEM <Vehicles with daytime running lamp>  
(CONTINUED)



STARTING SYSTEM

90100050367



Remark  
 [ ] indicates a running change. (New)

**STARTING SYSTEM (See P. 4-23.)****OPERATION**

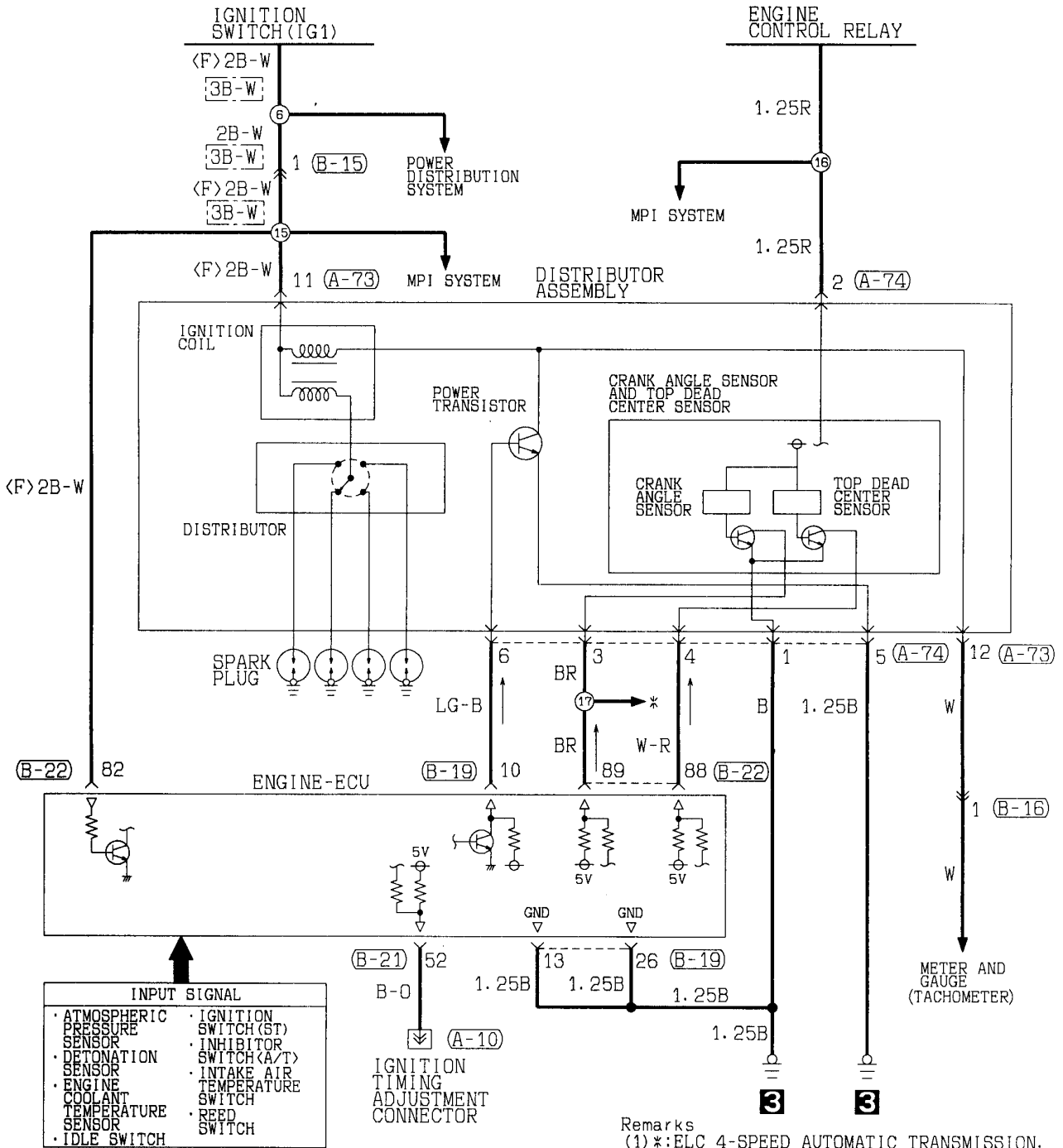
On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position causes the starter contacts (magnet switch) to close energizing the starter motor.

**TROUBLESHOOTING HINTS**

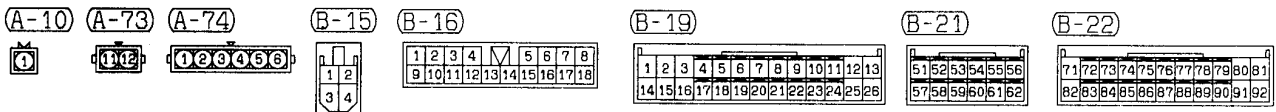
1. Starter motor does not turn over at all.
  - Check starter (coil).
  - Check battery terminals for proper contact.
  - Check inhibitor switch <A/T>
2. Starter motor does not stop rotating.
  - Check starter (magnet switch).

IGNITION SYSTEM  
MPI-SOHC

90100060353

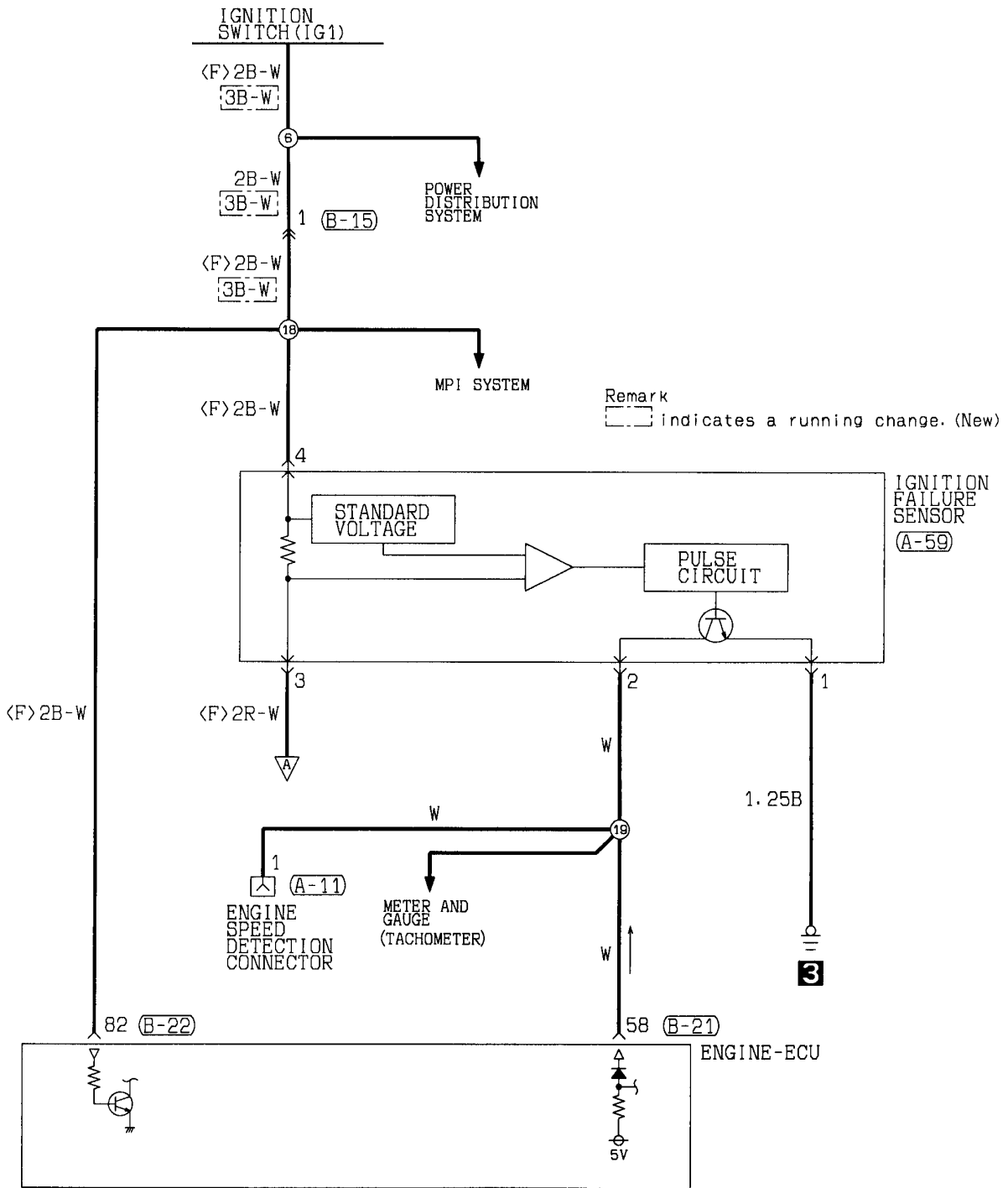


Remarks  
(1) \*: ELC 4-SPEED AUTOMATIC TRANSMISSION.  
(2) [ ] indicates a running change. (New)

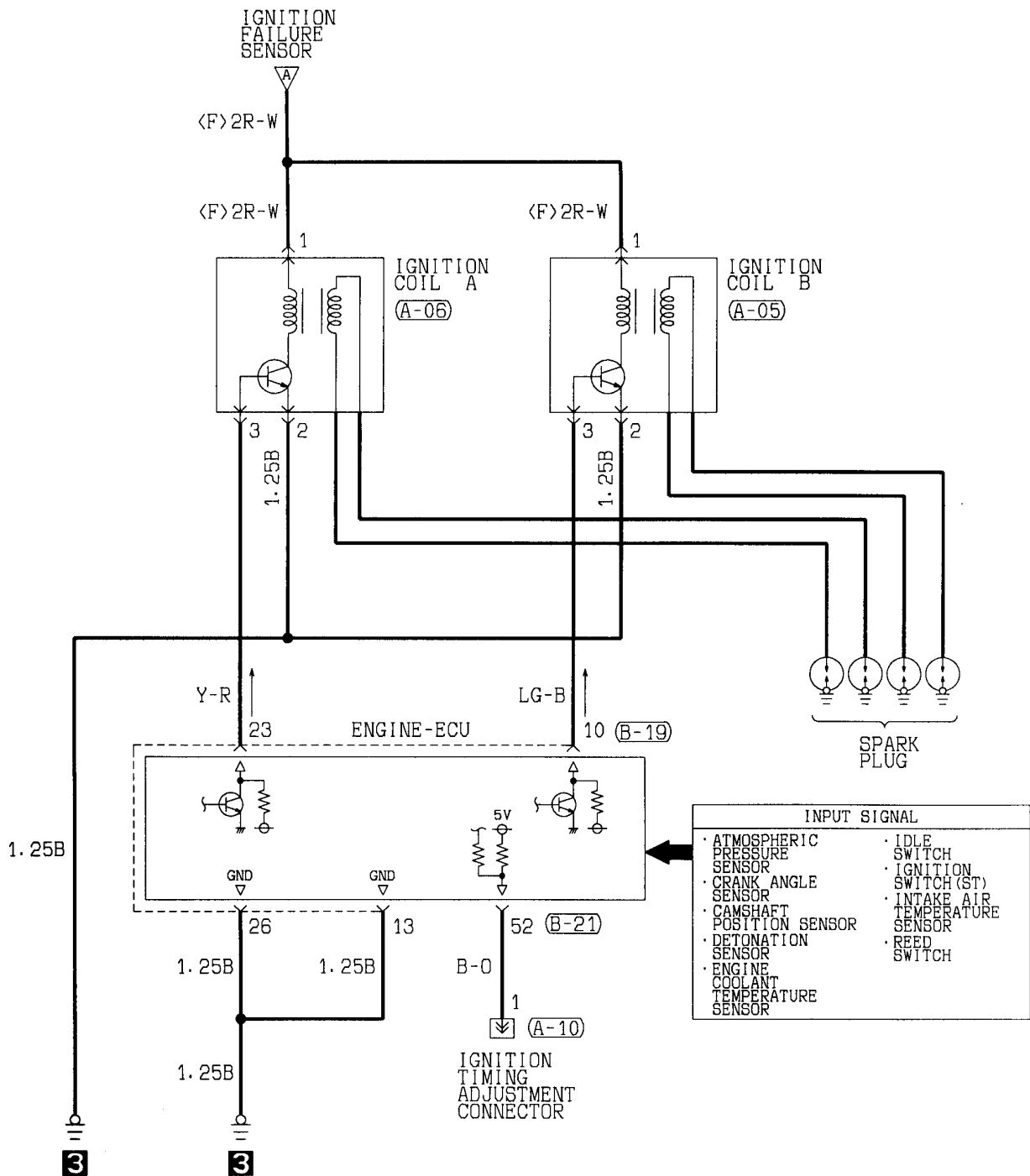


IGNITION SYSTEM  
MPI-DOHC

90100060360



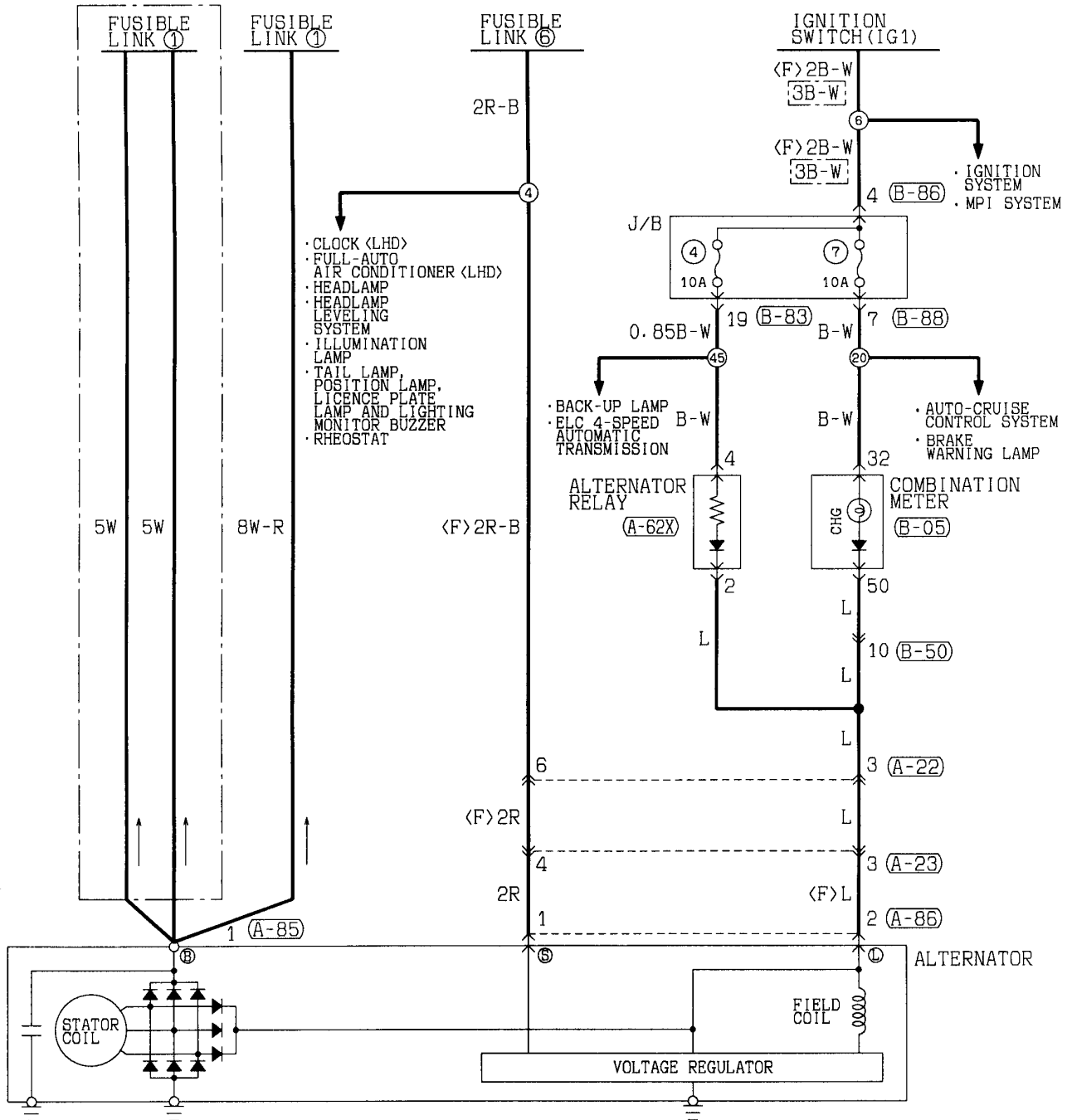
(A-05)	(A-06)	(A-10)	(A-11)	(A-59)	(B-15)	(B-19)	(B-21)	(B-22)
1 2 3	1 2 3	1	1	1 2 3 4	1 2 3 4	1 2 3 4 5 6 7 8 9 10 11 12 13	51 52 53 54 55 56	71 72 73 74 75 76 77 78 79 80 81
						14 15 16 17 18 19 20 21 22 23 24 25 26	57 58 59 60 61 62	82 83 84 85 86 87 88 89 90 91 92



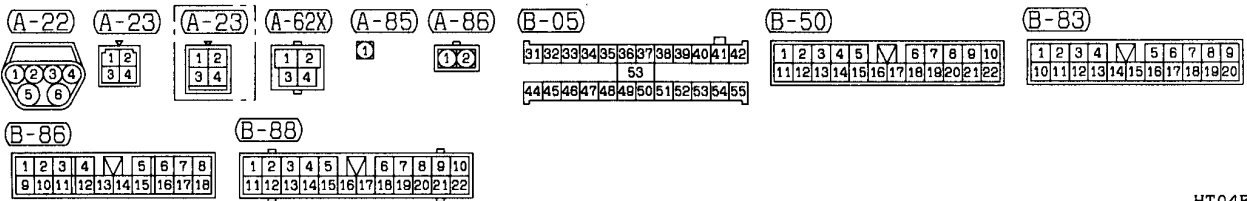


CHARGING SYSTEM

90100070356



Remark  
 [ ] indicates a running change. (New)



**CHARGING SYSTEM (See P. 4-28.)****OPERATION****When engine is stationary**

- When the ignition switch is turned to the ON position, current flows the alternator L terminal to the field coil and, at the same time, the charge warning lamp illuminates.

**When engine is started and after engine has started**

- When the engine is started, the charge warning lamp goes out because of the charging voltage begin applied to the alternator L terminal.
- The battery voltage being applied to the alternator S terminal is monitored by the voltage regulator. Therefore, the amount of electricity produced by the alternator is controlled by allowing and cutting off the current flowing to the field coil.
- The alternator B terminal supplies power to each load.

**Remark**

- The alternator relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

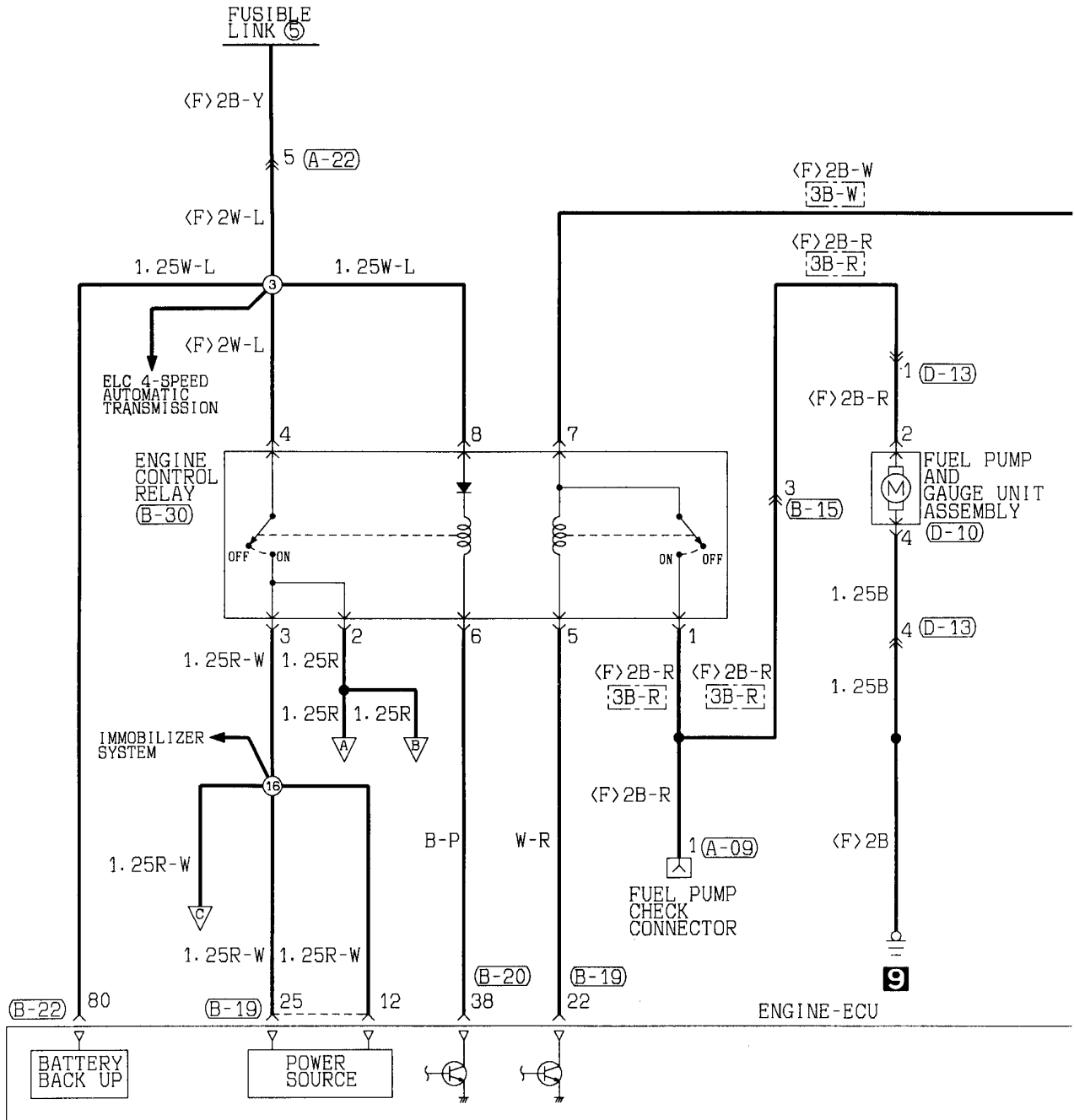
**TROUBLESHOOTING HINTS**

1. Charging indicator lamp does not illuminate when the ignition switch is turned to ON position, before the engine starts.
  - Check multi-purpose fuse No. (7)
  - Check the bulb.
2. Charging indicator lamp fails to switch off once the engine starts.
  - Check voltage regulator of alternator.
3. Discharged or overcharged battery.
  - Check voltage regulator of alternator.
4. Charge warning lamp illuminates dimly.
  - Check combination meter diode (for short).

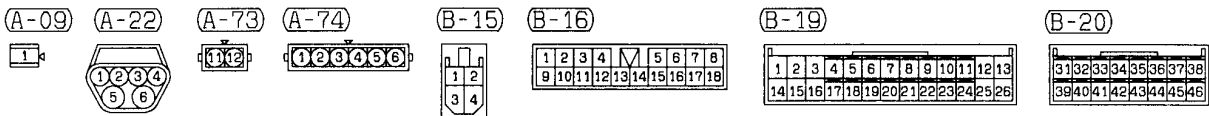
MPI SYSTEM

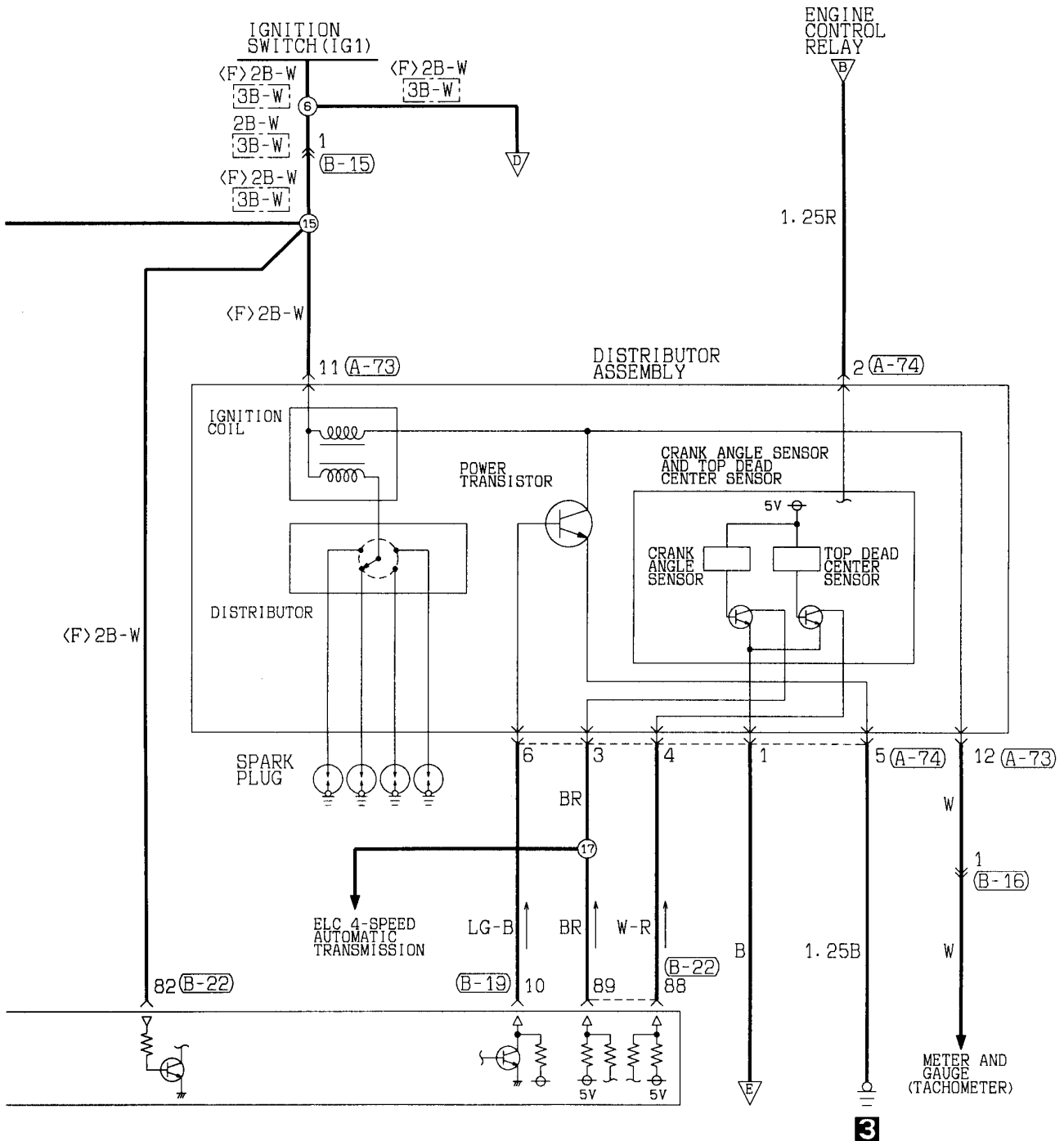
90100080564

MPI-SOHC <Vehicles without TCL>



Remark  
 [ ] indicates a running change. (New)





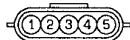
B-22



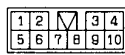
B-30



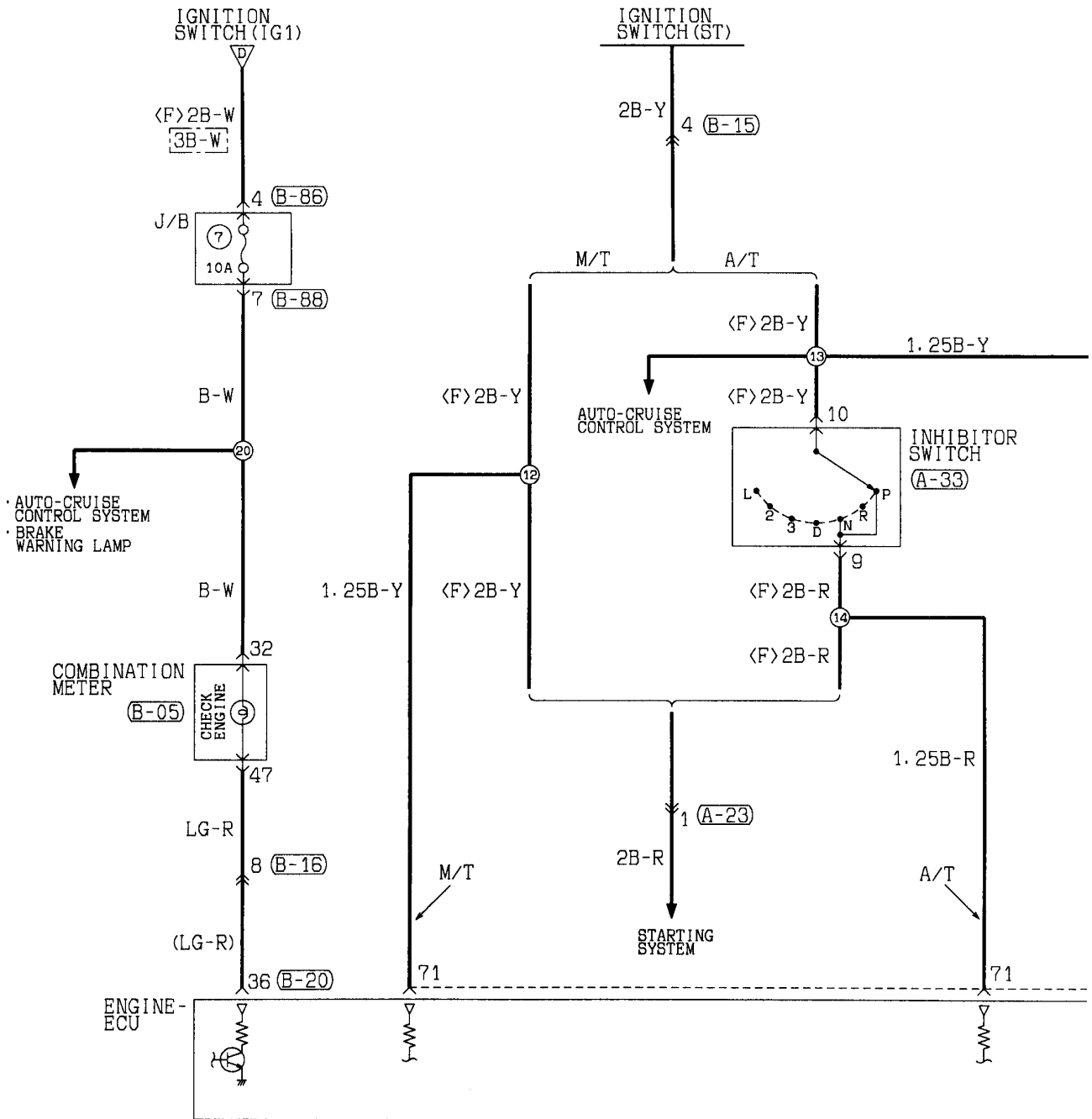
D-10



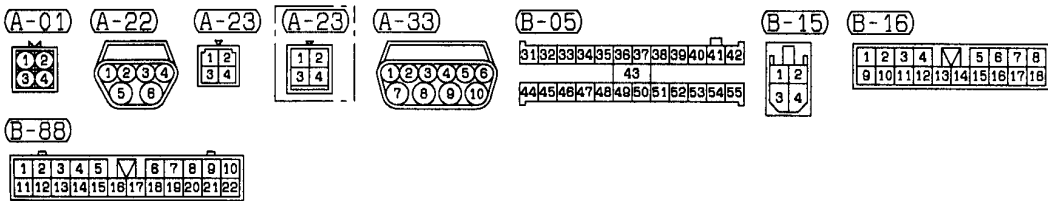
D-13

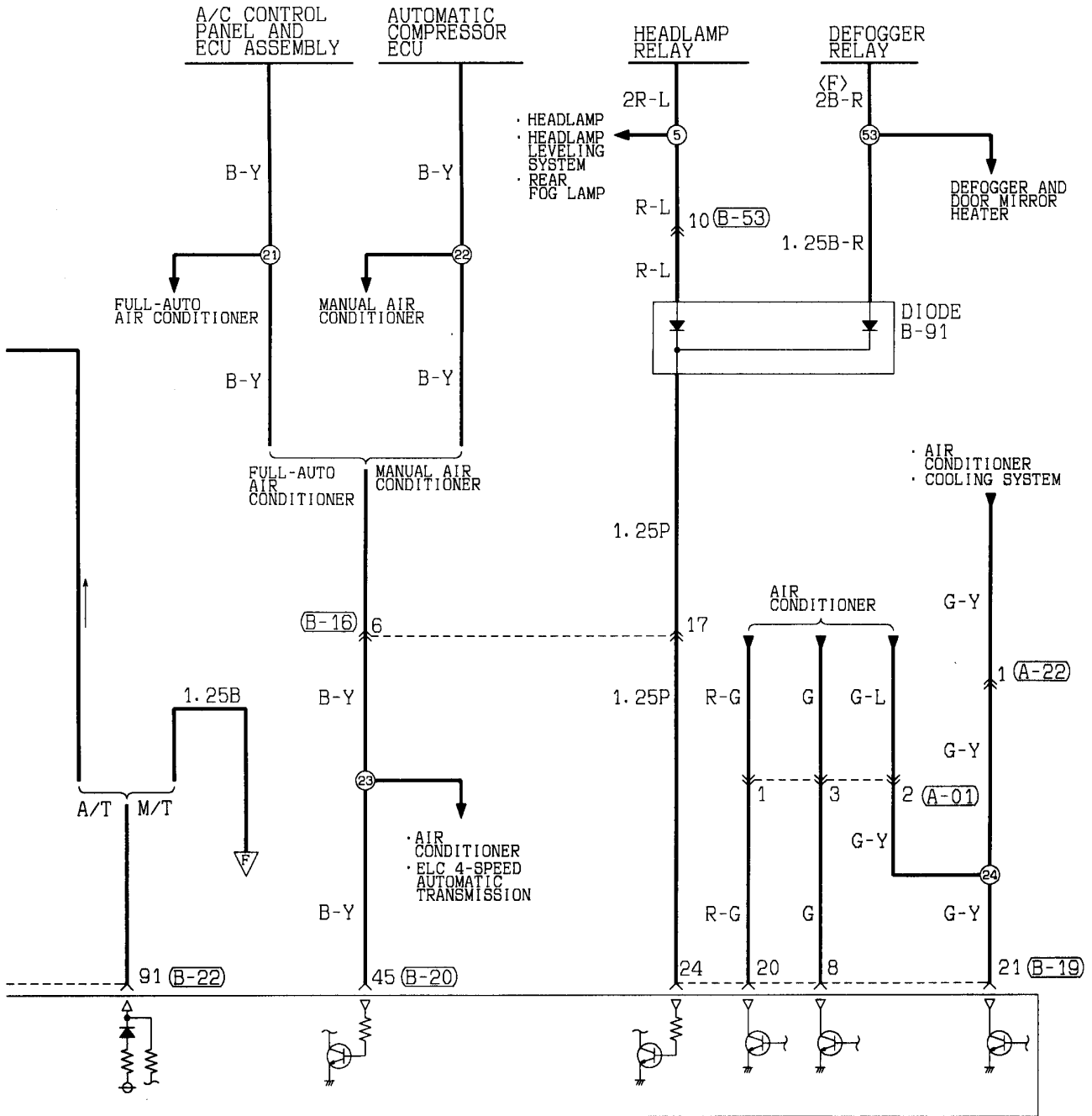


MPI SYSTEM <MPI-SOHC (Vehicles without TCL)> (CONTINUED)



Remark  
 [ ] indicates a running change. (New)





(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-20)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

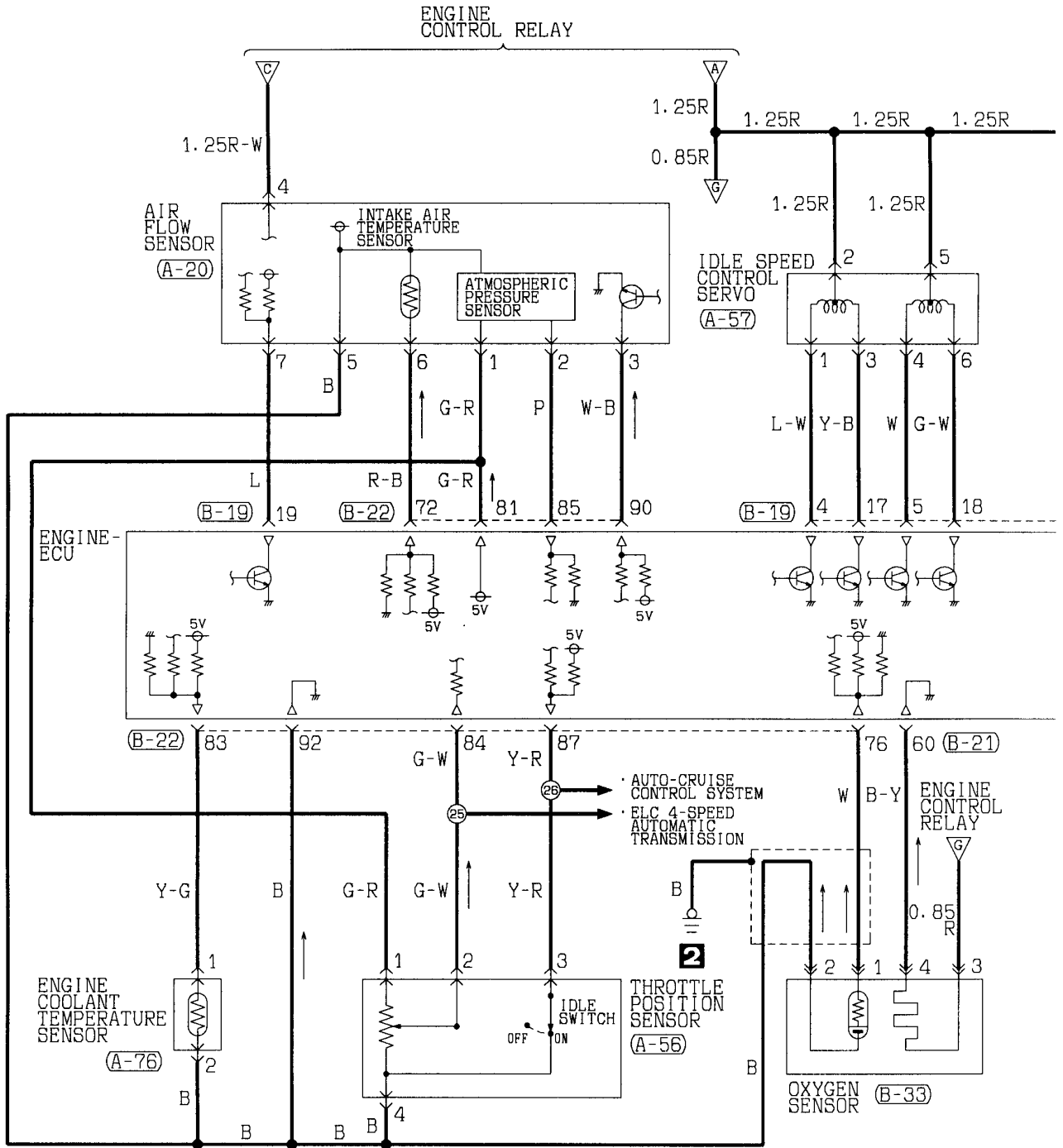
(B-53)

1	2	3	4
5	6	7	8
9	10		

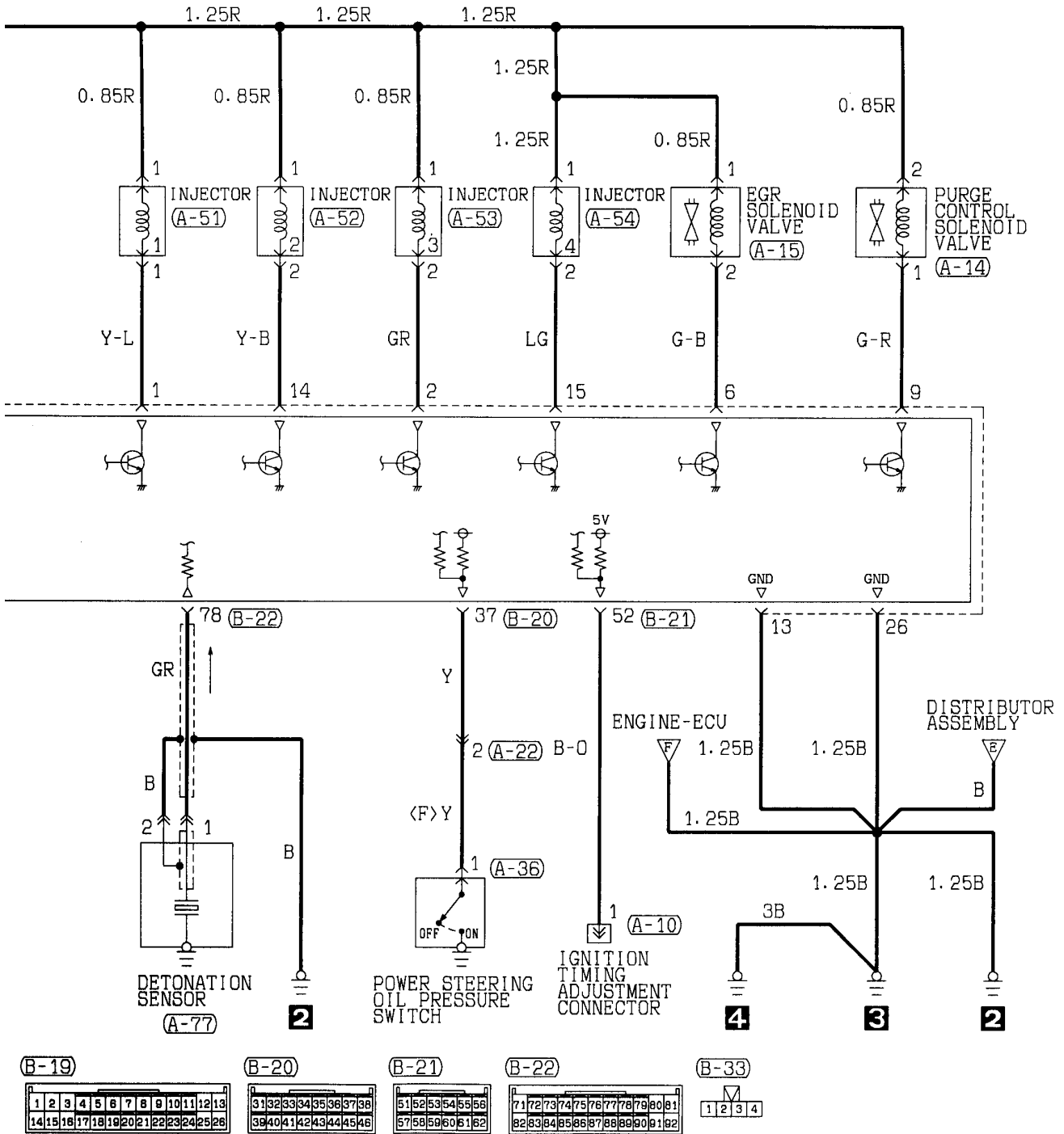
(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

MPI SYSTEM <MPI-SOHC (Vehicles without TCL)> (CONTINUED)

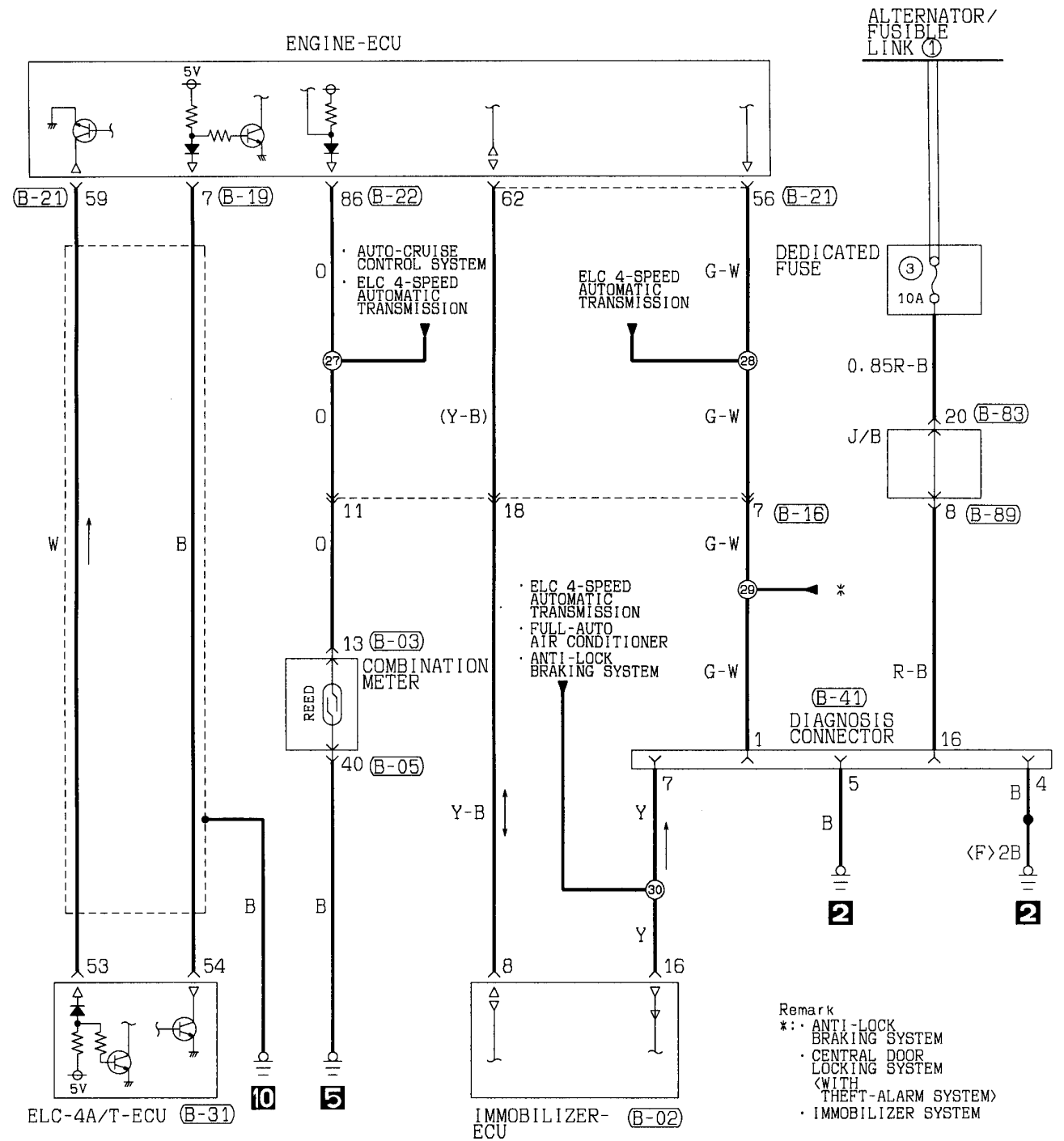


- (A-10)
- (A-14)
- (A-15)
- (A-20)
- (A-22)
- (A-36)
- (A-51)
- (A-52)
- (A-53)
- (A-54)
- (A-56)
- (A-57)
- (A-76)
- (A-77)

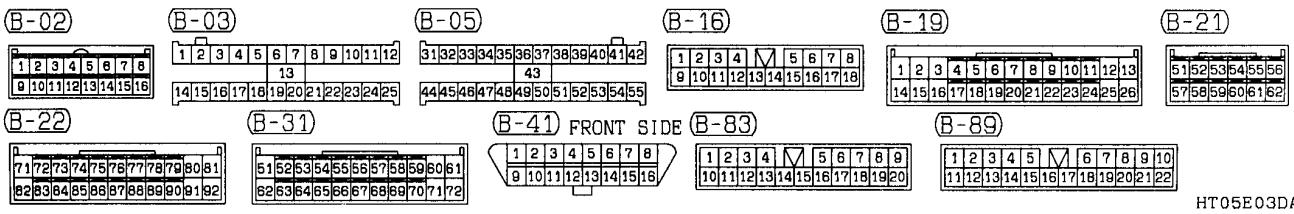




MPI SYSTEM <MPI-SOHC (Vehicles without TCL)> (CONTINUED)



Remark  
 \* : ANTI-LOCK BRAKING SYSTEM  
 \* : CENTRAL DOOR LOCKING SYSTEM (WITH THEFT-ALARM SYSTEM)  
 \* : IMMOBILIZER SYSTEM

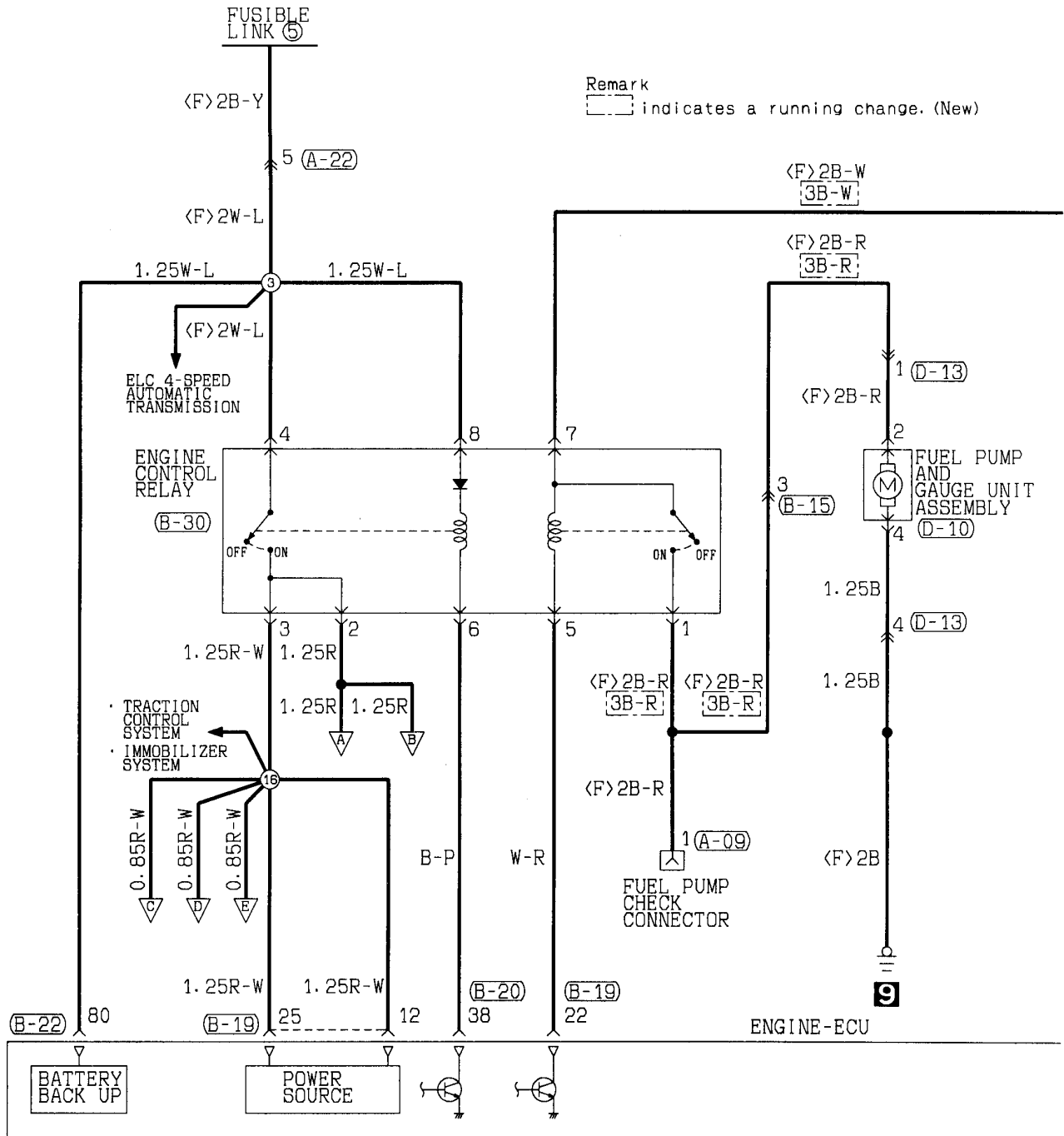


NOTES

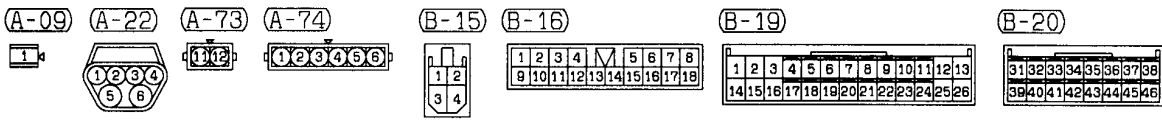
MPI SYSTEM

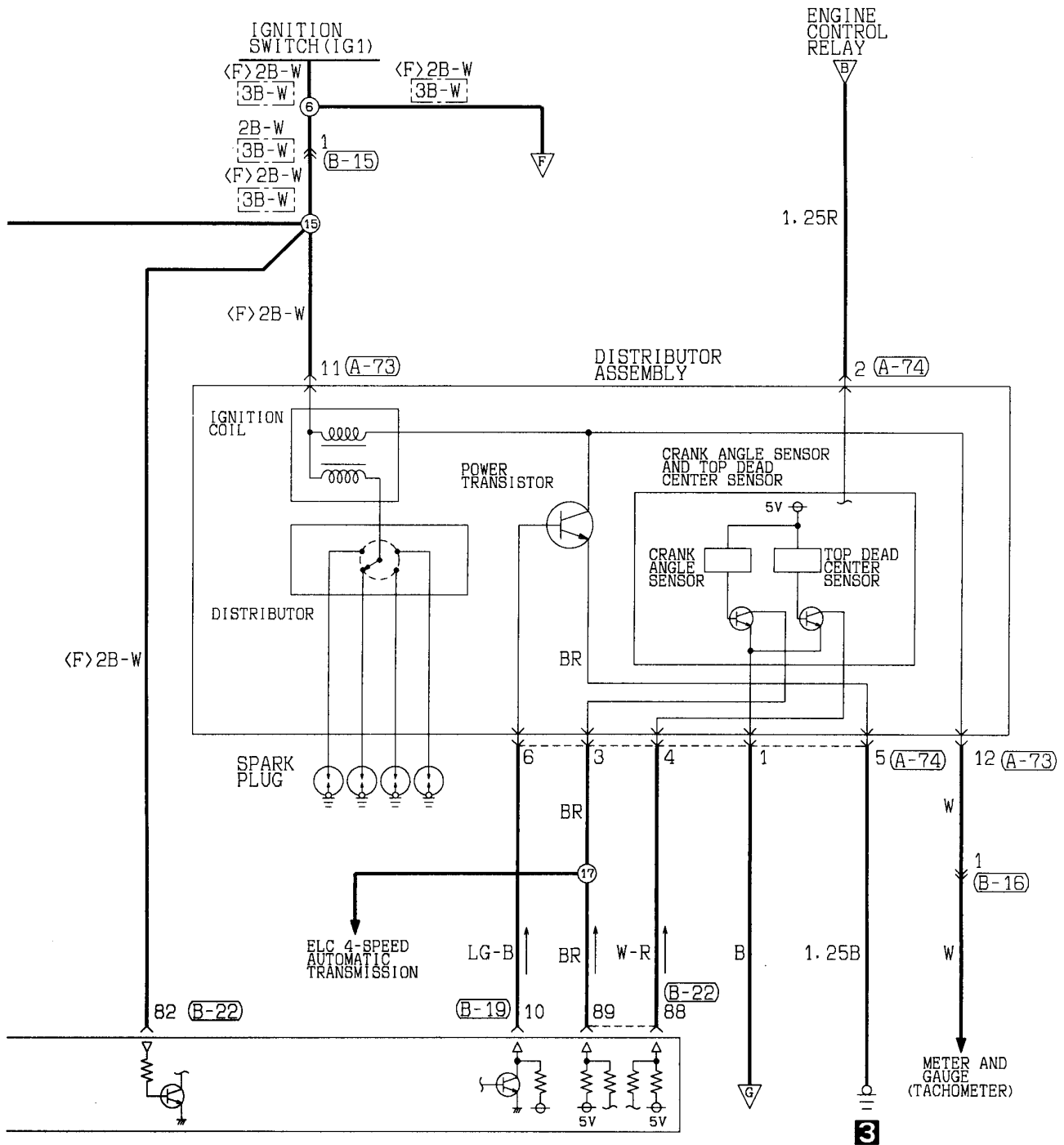
90100080571

MPI-SOHC <Vehicles with TCL>



Remark  
 [ ] indicates a running change. (New)



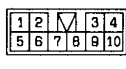
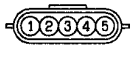


(B-22)

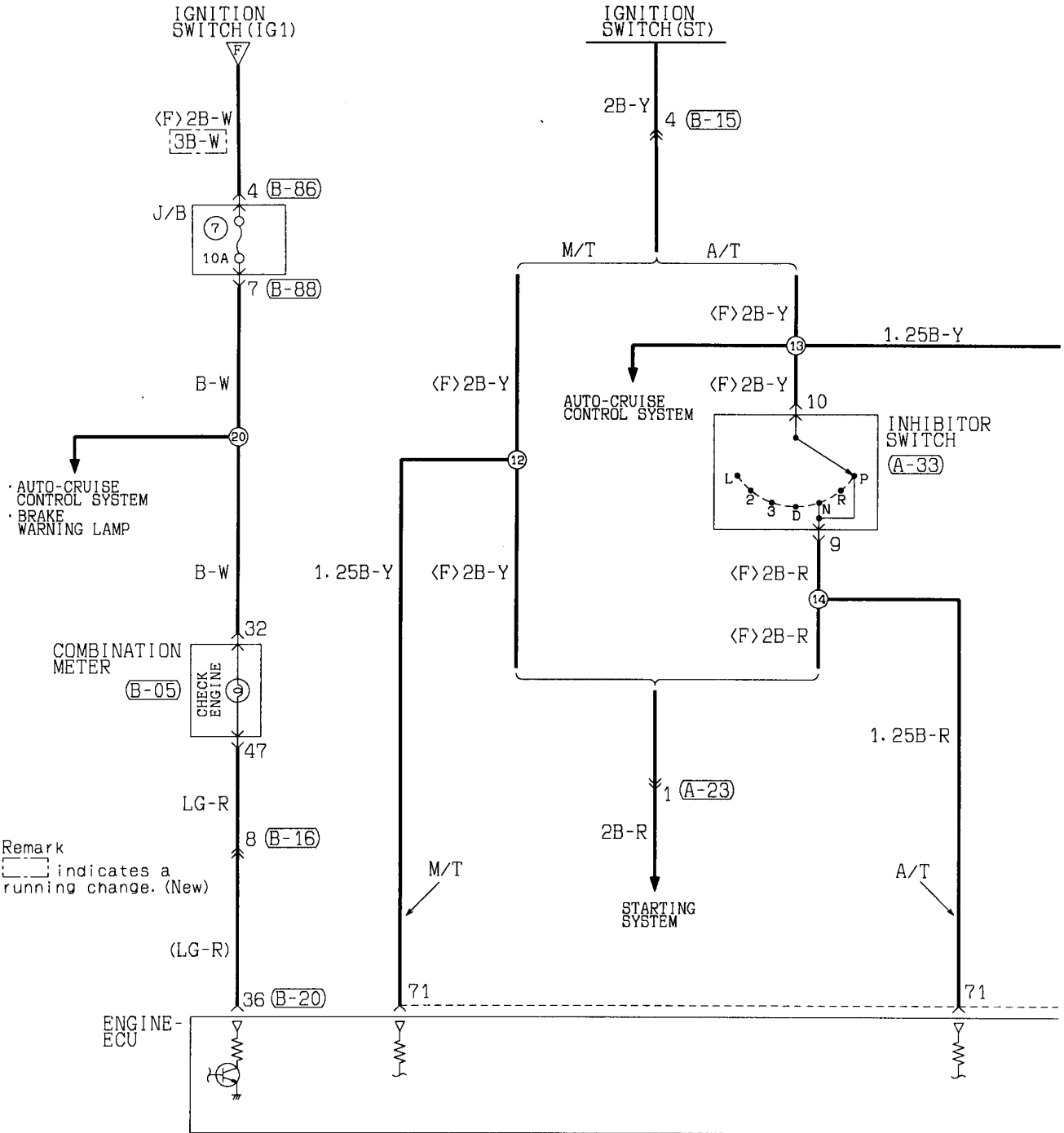
(B-30)

(D-10)

(D-13)



MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)



(A-01)

(A-22)

(A-23)

(A-23)

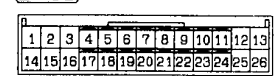
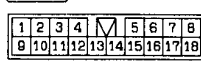
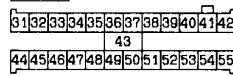
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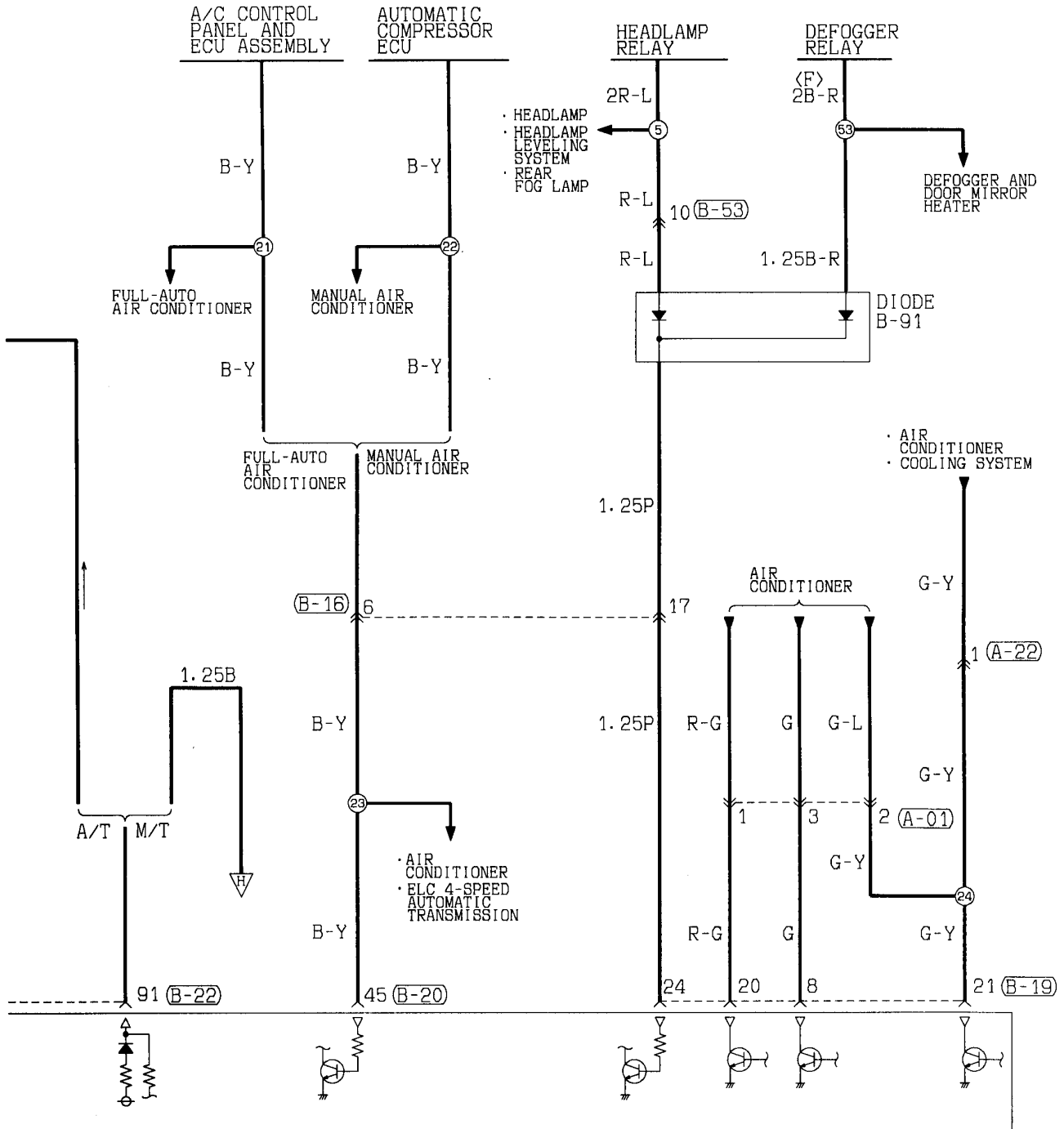
(B-05)

(B-15)

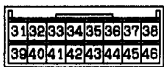
(B-16)

(B-19)

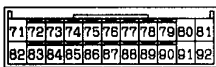




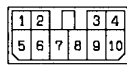
(B-20)



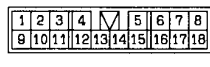
(B-22)



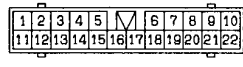
(B-53)



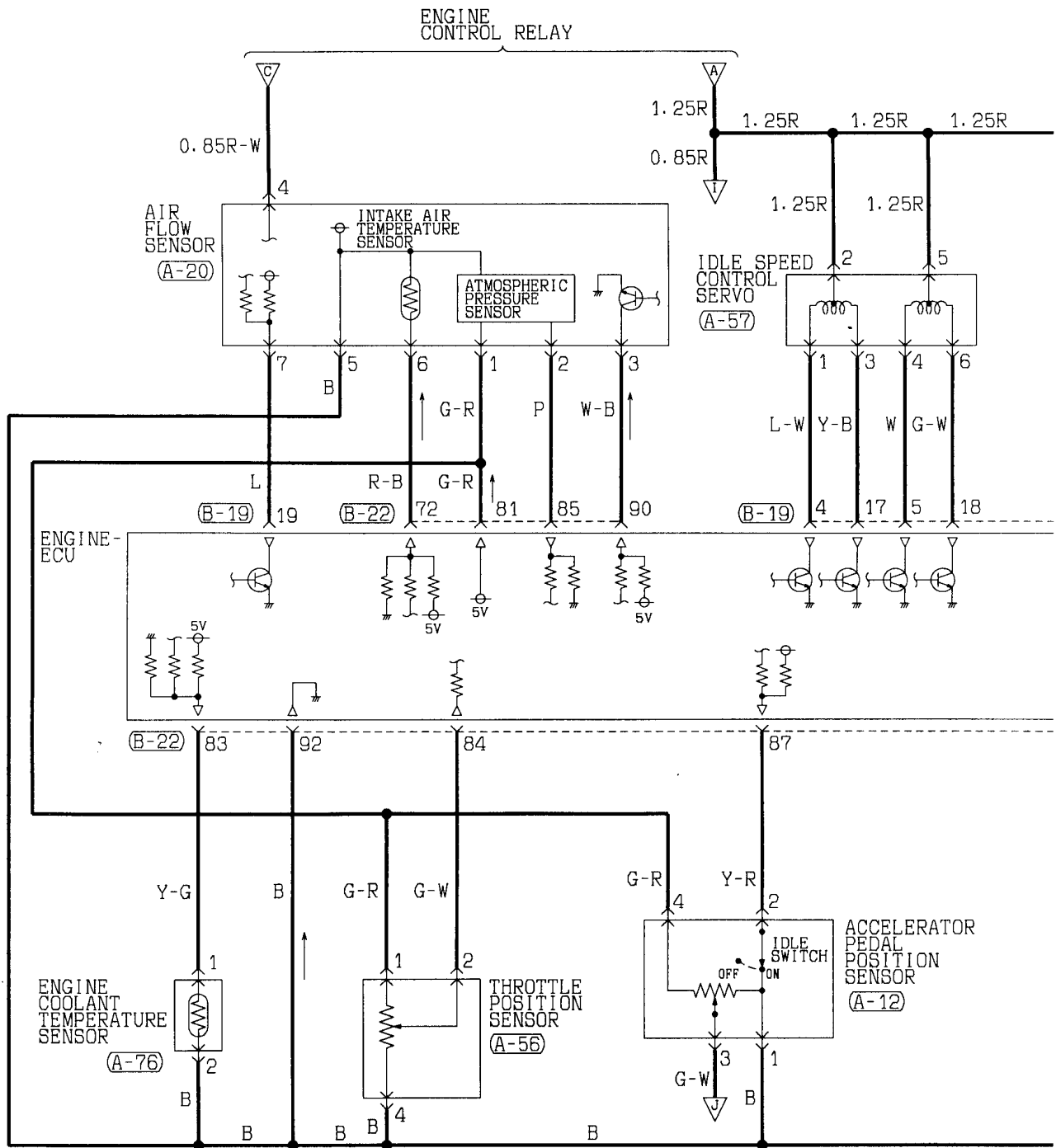
(B-86)



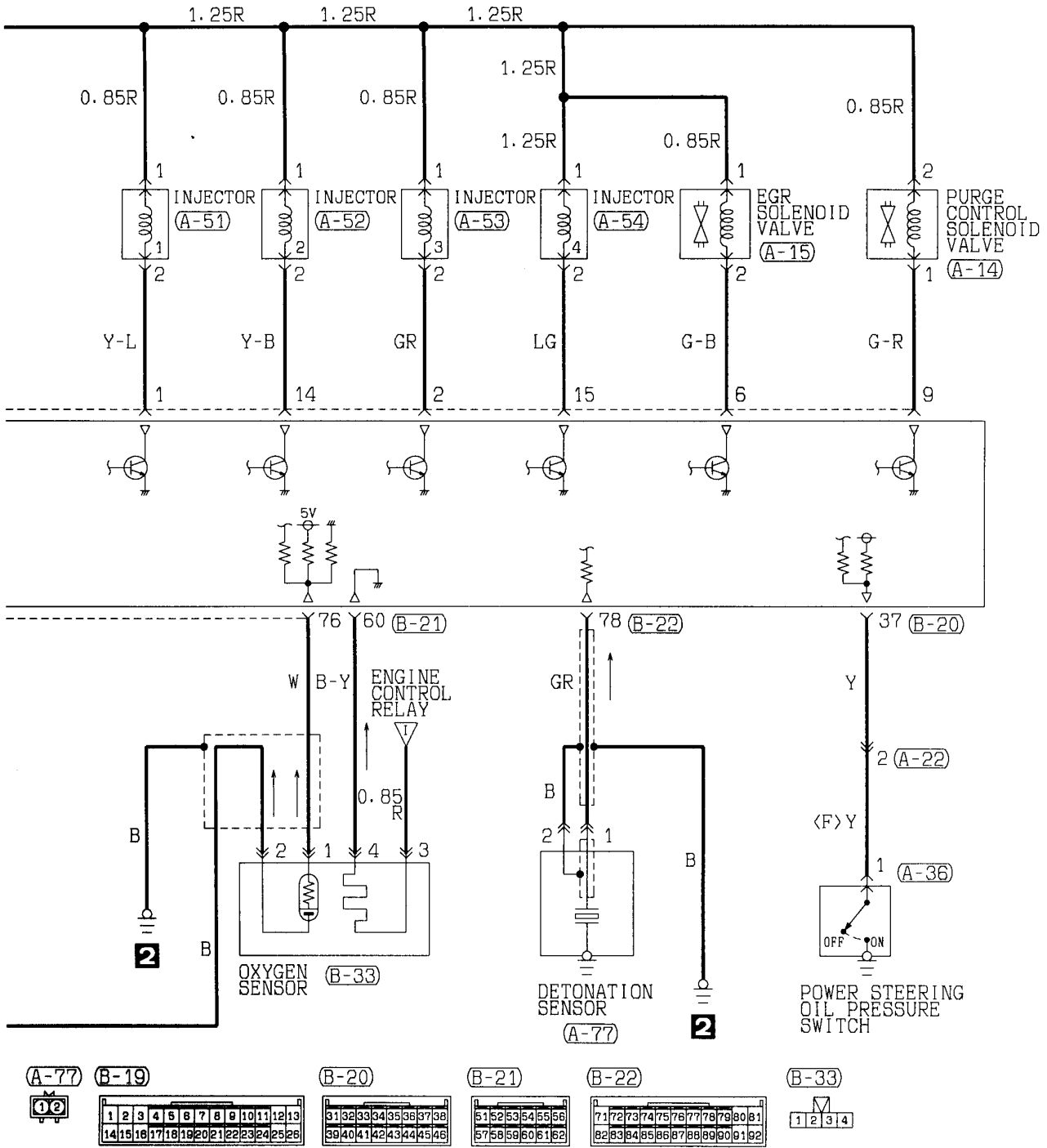
(B-88)



MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)

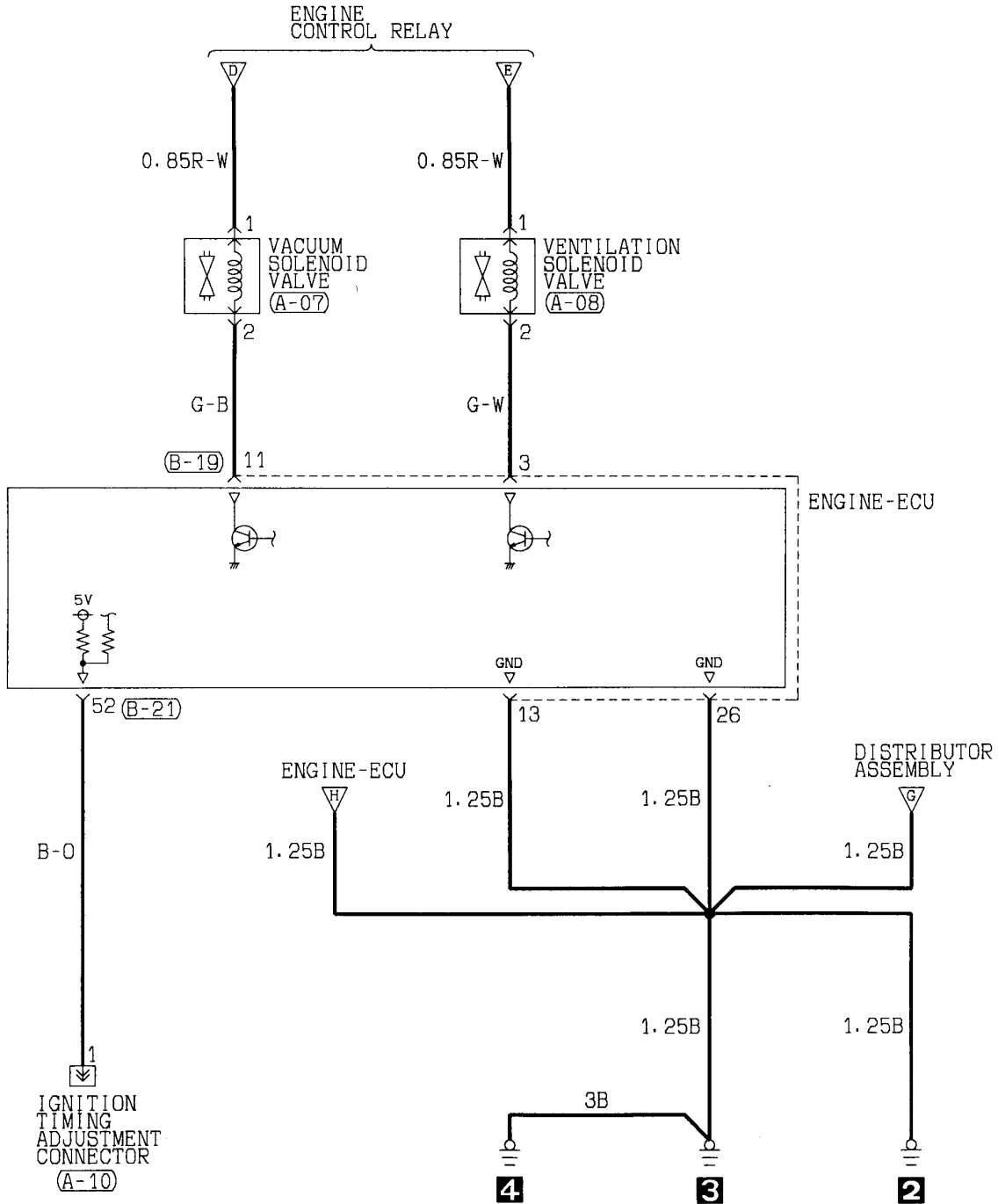


- (A-12)
- (A-14)
- (A-15)
- (A-20)
- (A-22)
- (A-36)
- (A-51)
- (A-52)
- (A-53)
- (A-54)
- (A-56)
- (A-57)
- (A-76)





MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)



(A-07)

(A-08)

(A-10)

(B-17)

(B-19)

(B-20)

(B-21)

1
2

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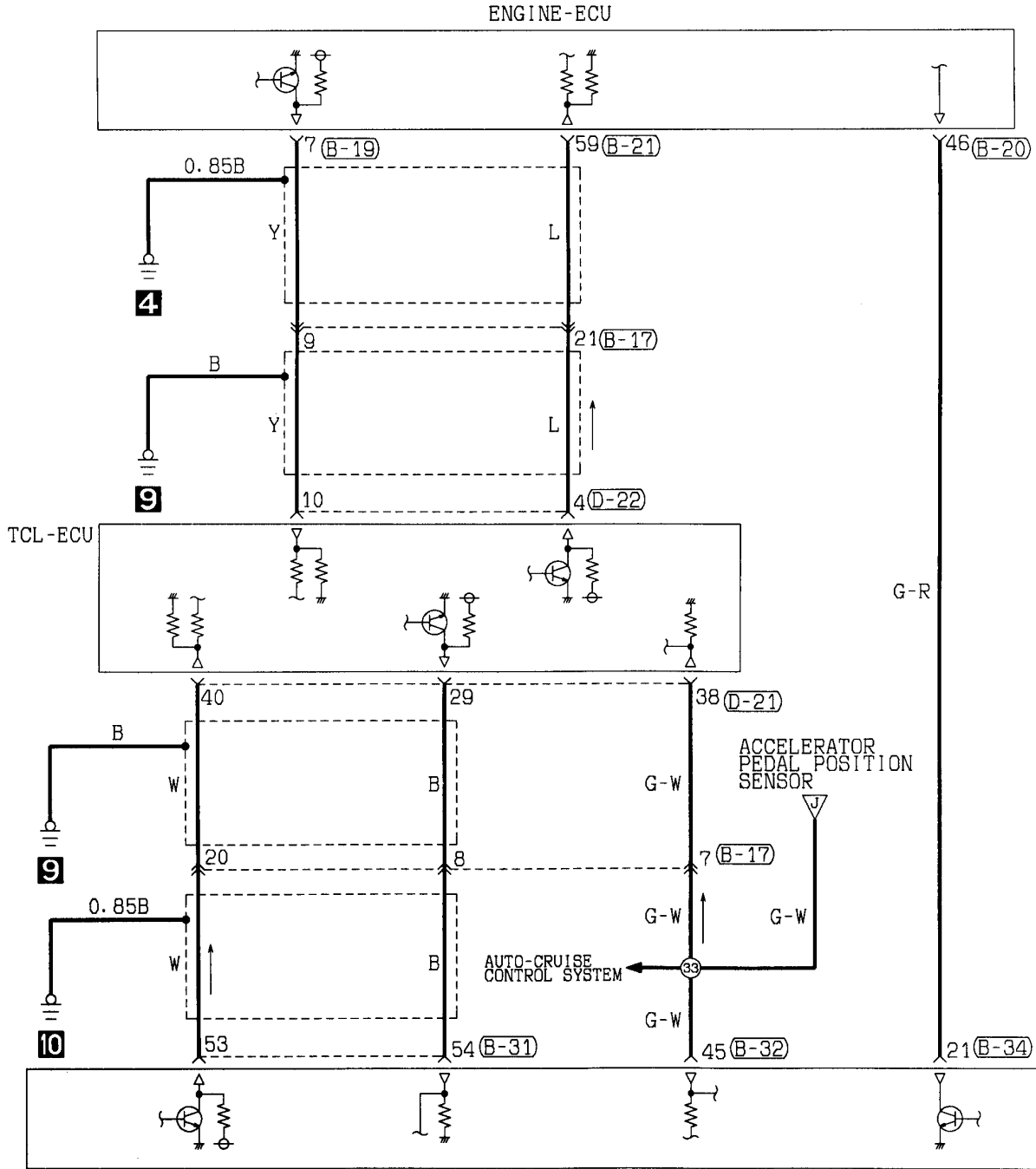
Q
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1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

51	52	53	54	55	56
57	58	59	60	61	62



(B-31)

51	52	53	54	55	56	57	58	59	60	61
82	83	84	85	86	87	88	89	90	91	92

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-34)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

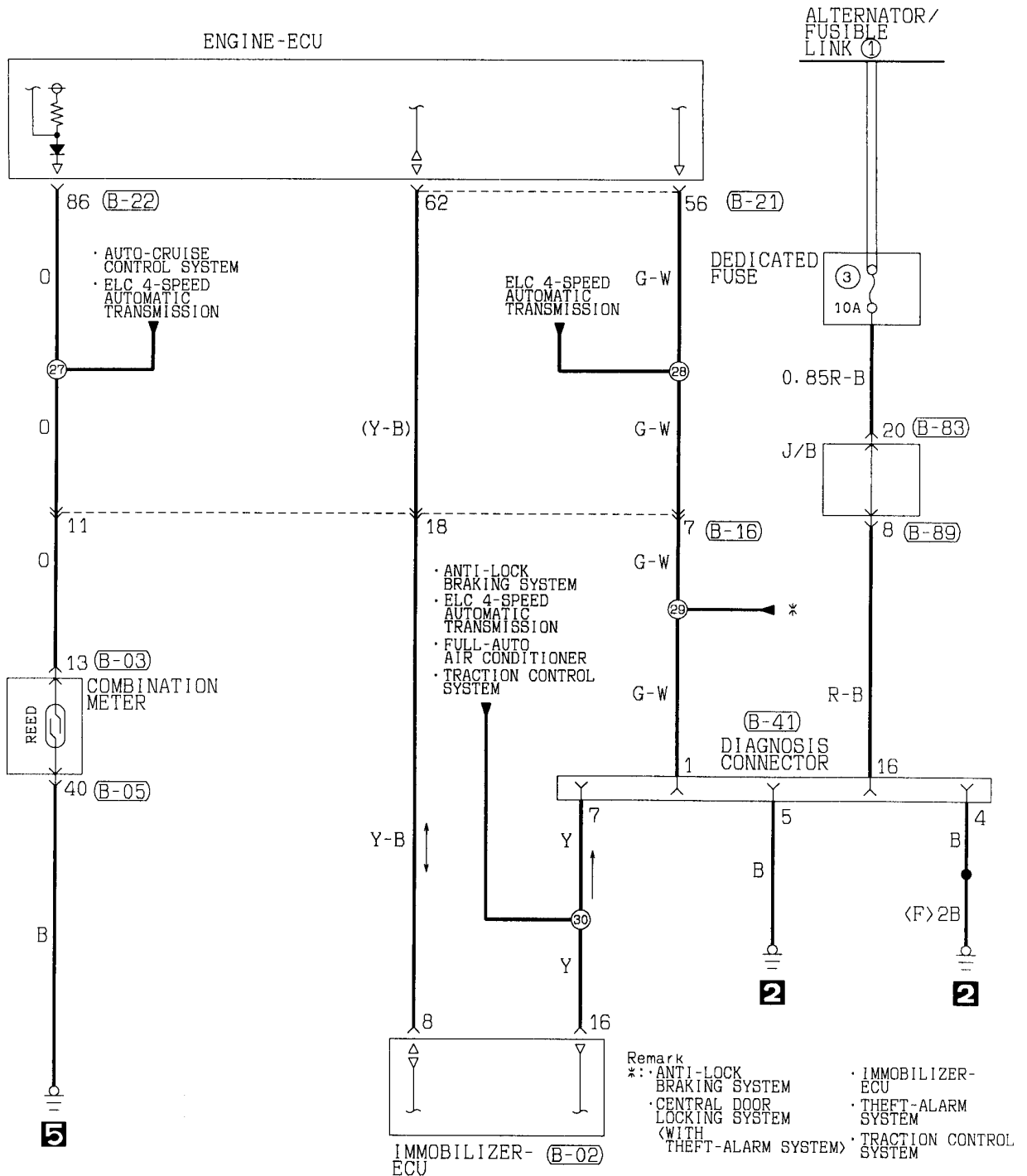
(D-21)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

(D-22)

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

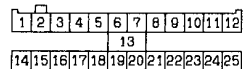
MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)



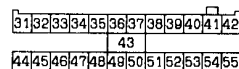
(B-02)



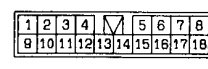
(B-03)



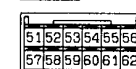
(B-05)



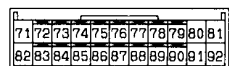
(B-16)



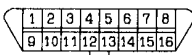
(B-21)



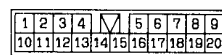
(B-22)



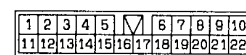
(B-41) FRONT SIDE



(B-83)



(B-89)

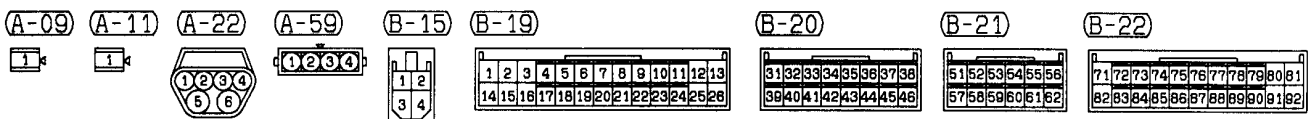
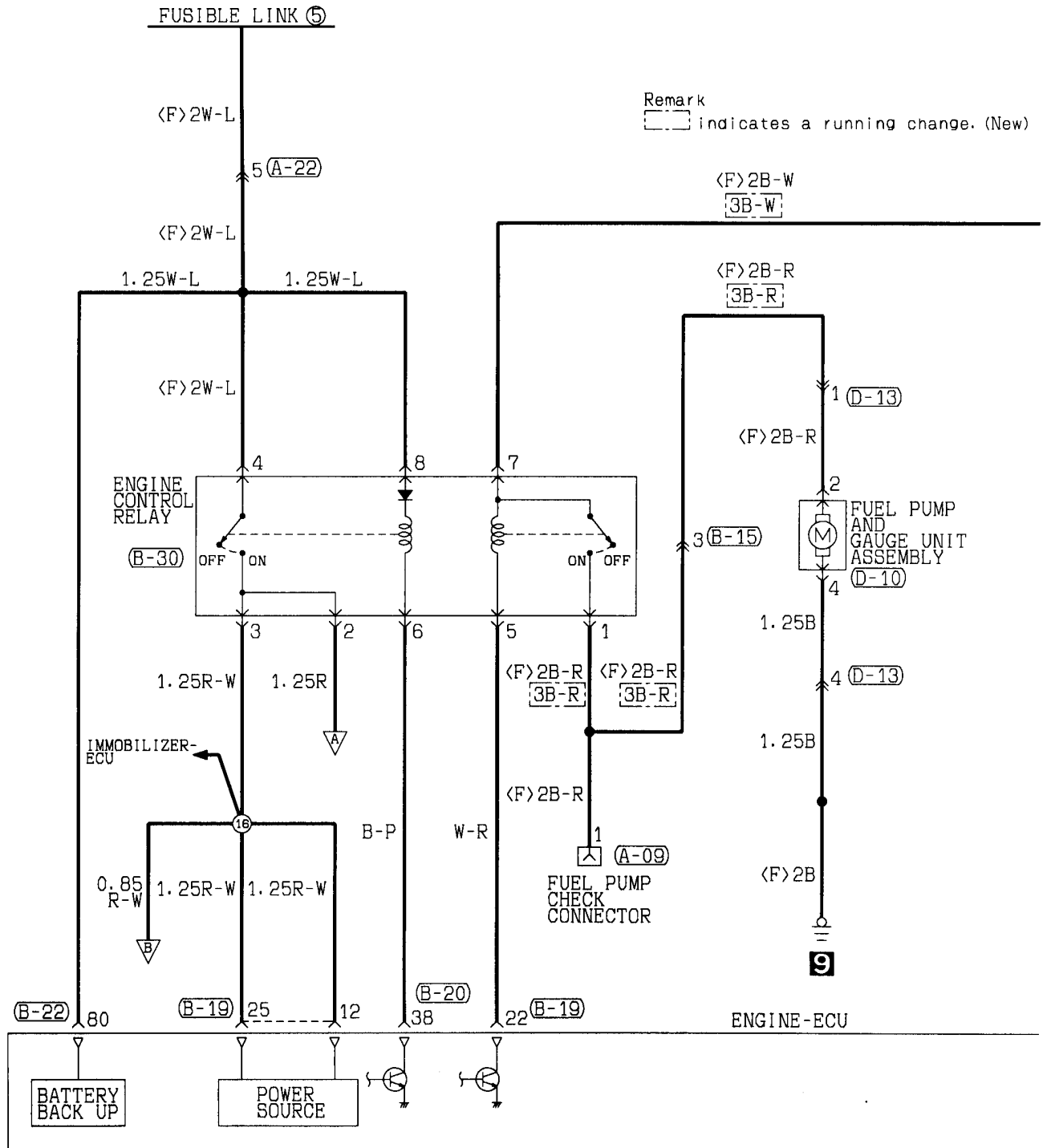


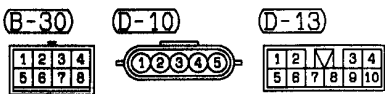
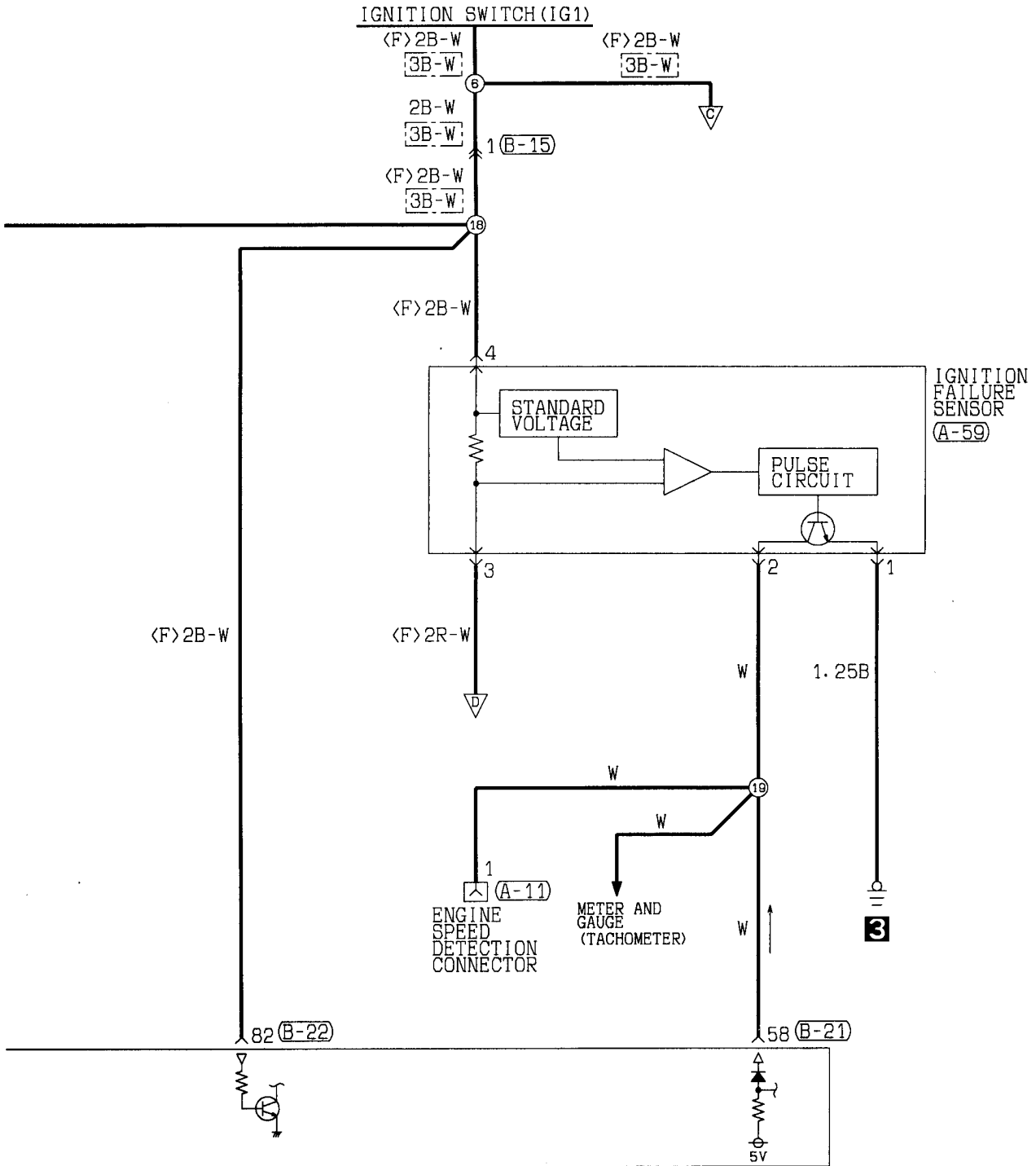
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NOTES

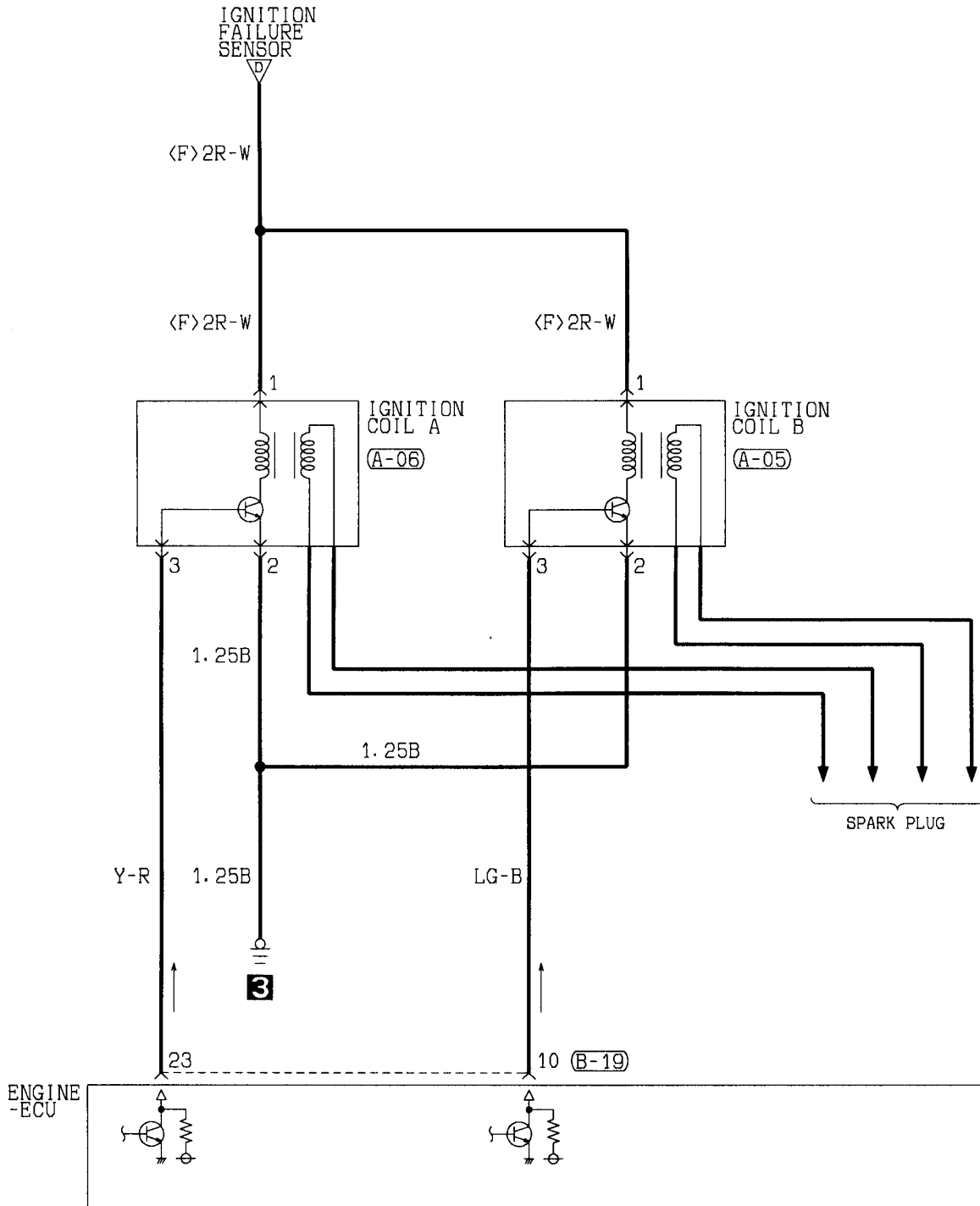
MPI SYSTEM  
MPI-DOHC

90100080588

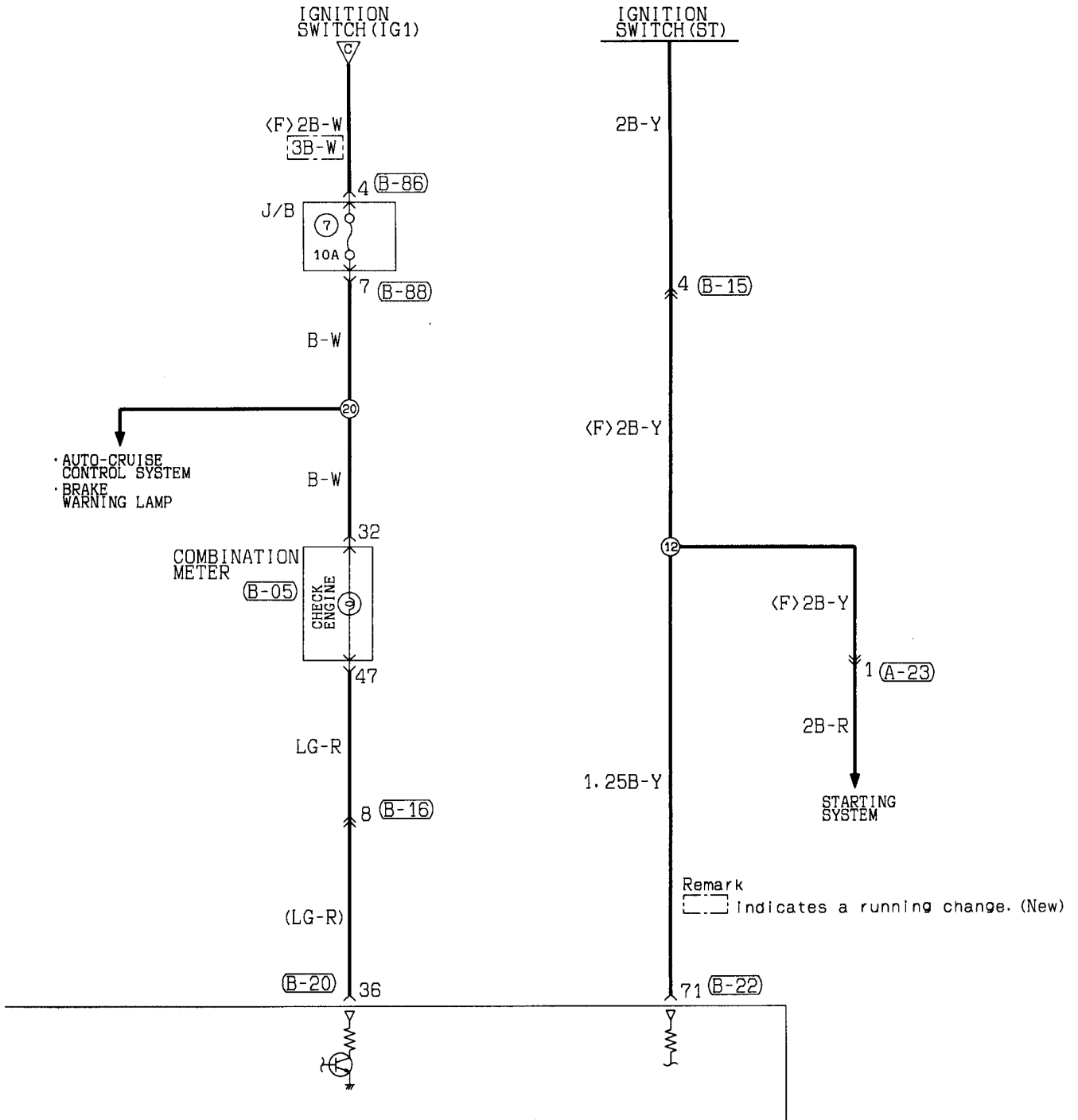




MPI SYSTEM <MPI-DOHC> (CONTINUED)



(A-05)	(A-06)	(A-23)	(A-23)	(B-05)	(B-15)	(B-16)	(B-19)



(B-20)

(B-22)

(B-86)

(B-88)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

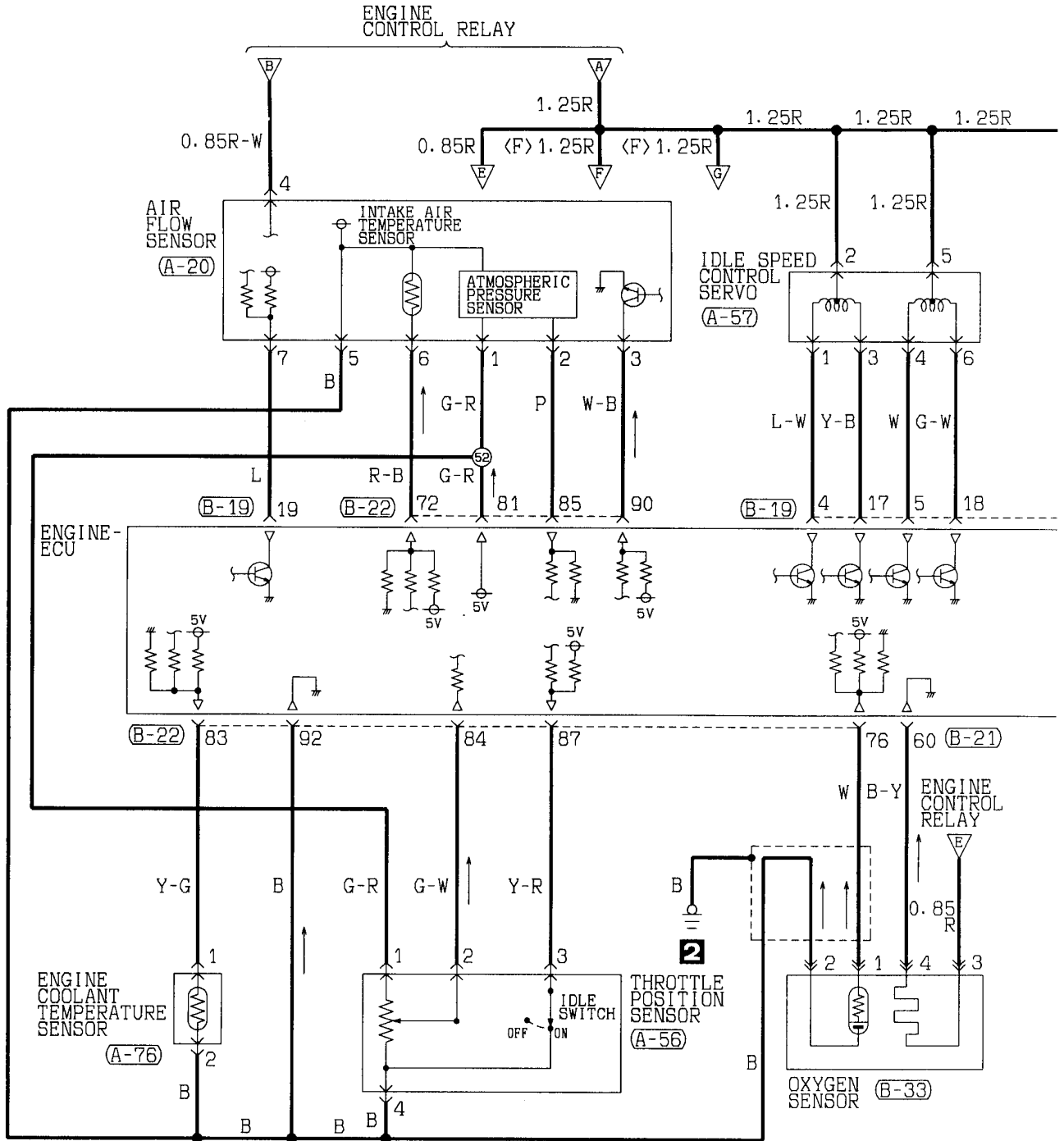
71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

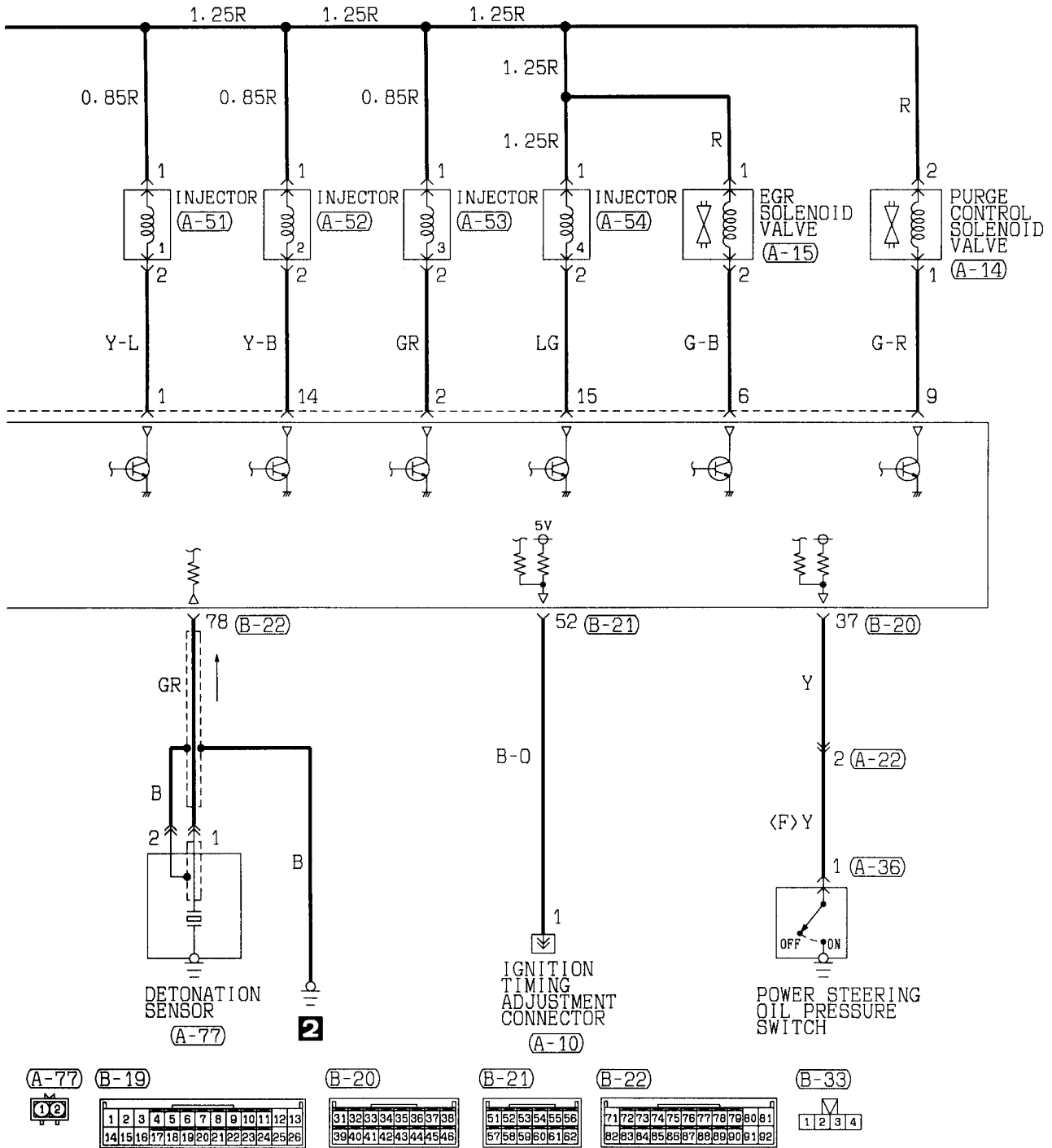
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22



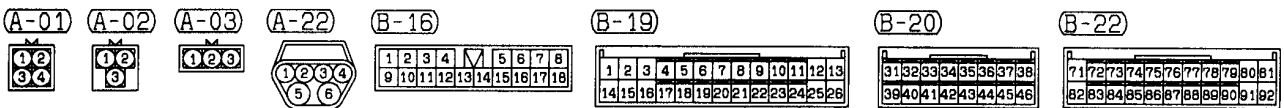
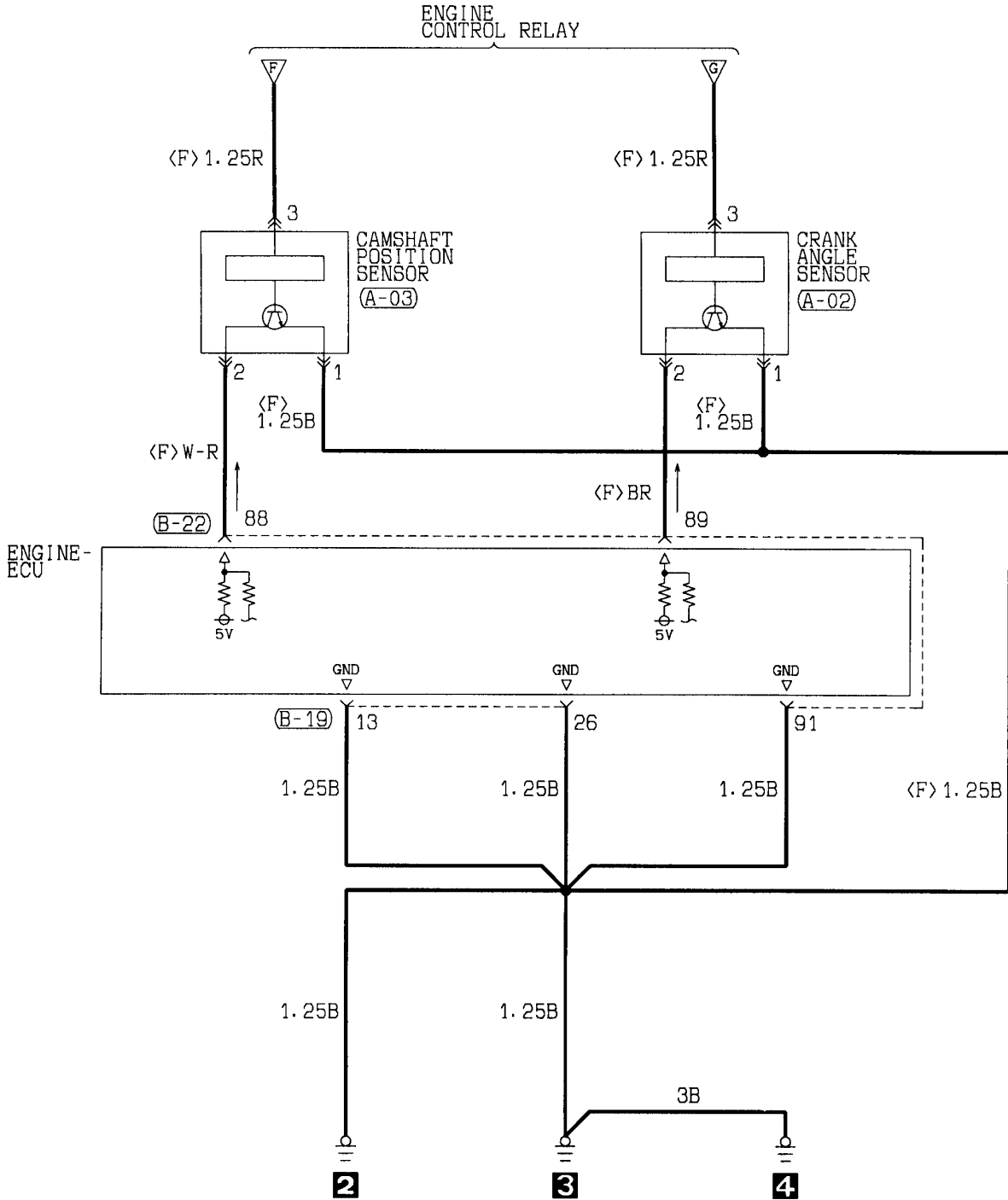
MPI SYSTEM <MPI-DOHC> (CONTINUED)

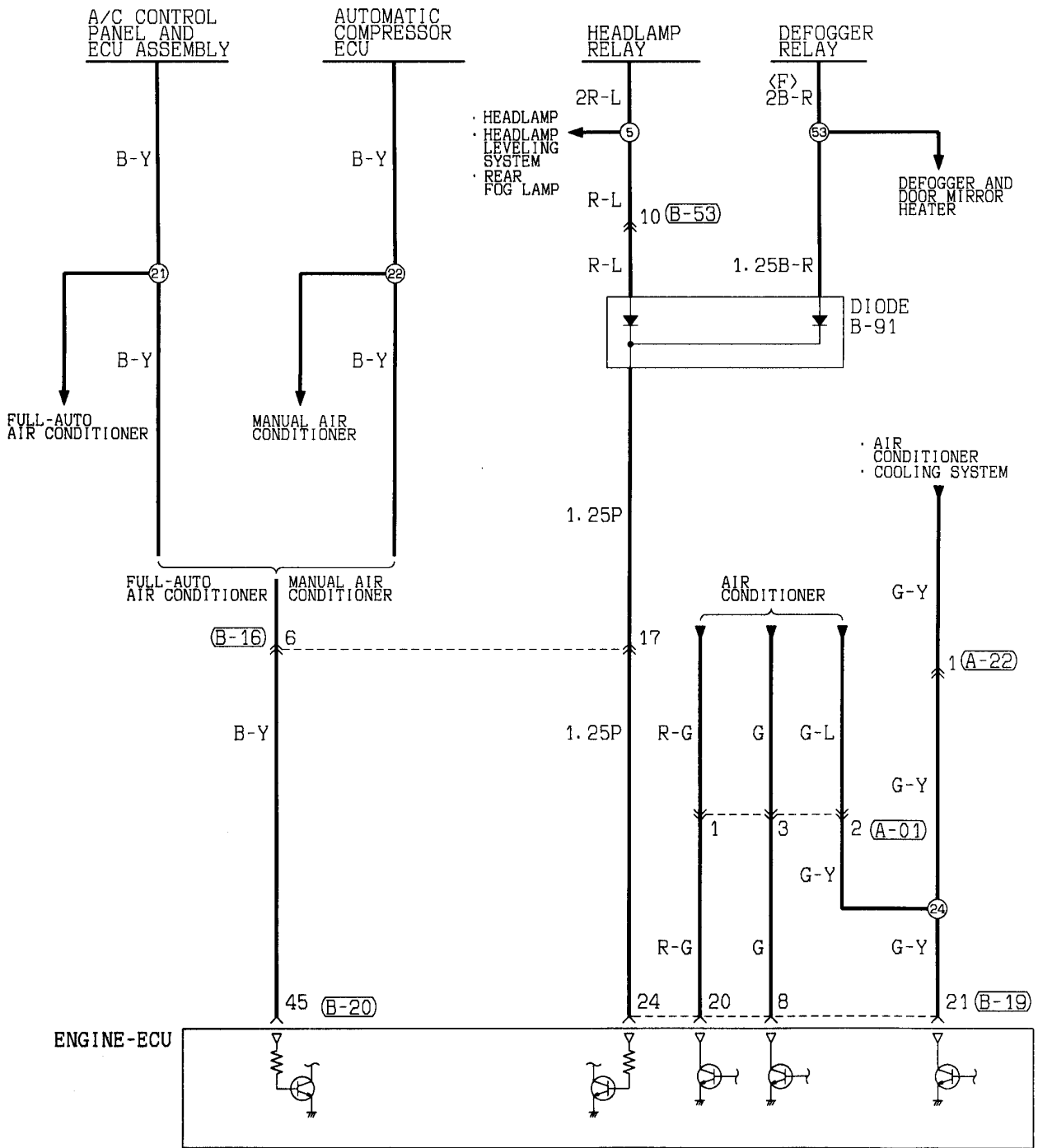


- (A-10)
- (A-14)
- (A-15)
- (A-20)
- (A-22)
- (A-36)
- (A-51)
- (A-52)
- (A-53)
- (A-54)
- (A-56)
- (A-57)
- (A-76)



MPI SYSTEM <MPI-DOHC> (CONTINUED)

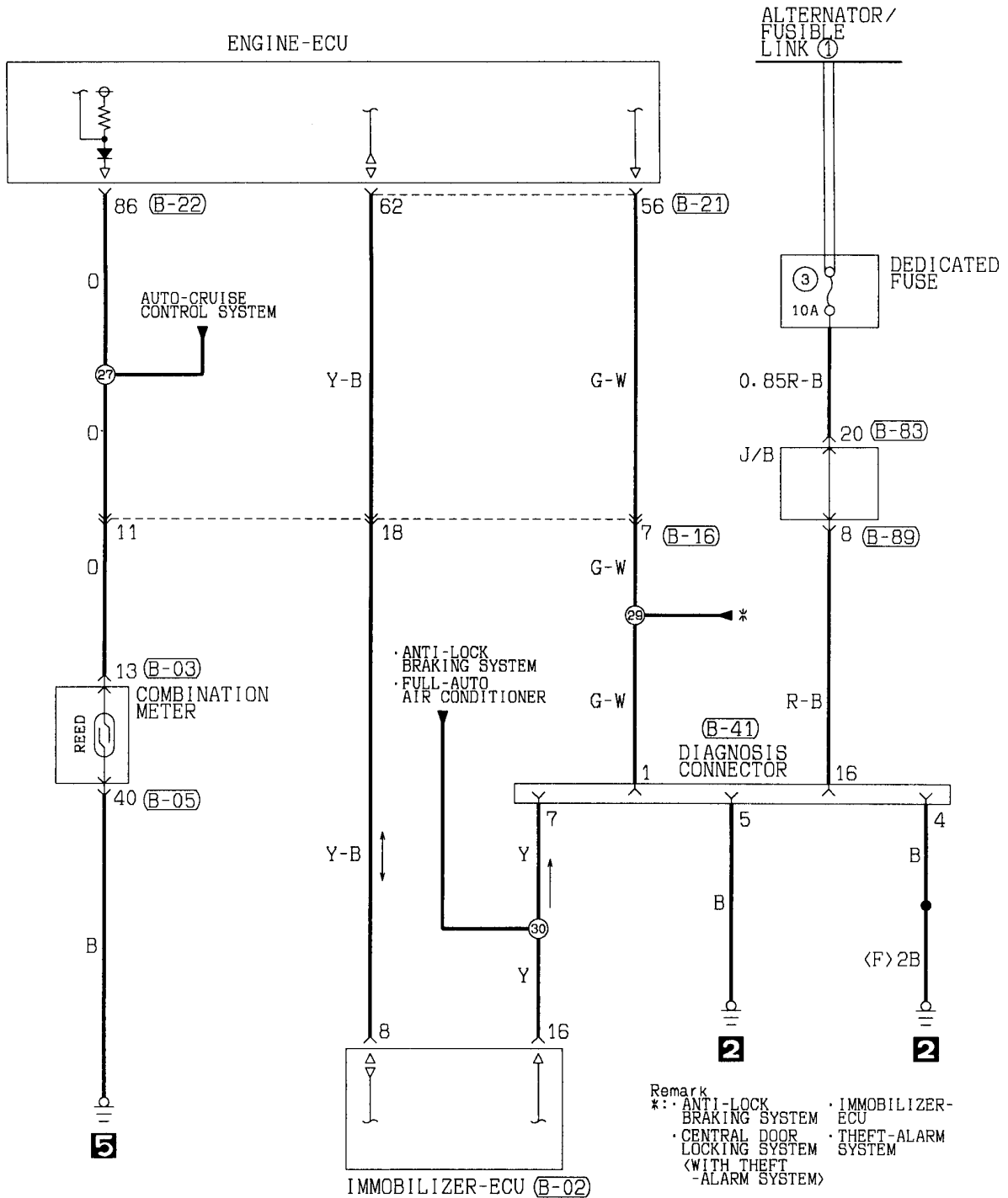




(B-53)

1	2	3	4
5	6	7	8

MPI SYSTEM <MPI-DOHC> (CONTINUED)



Remark  
 \*: ANTI-LOCK BRAKING SYSTEM  
 · CENTRAL DOOR LOCKING SYSTEM <WITH THEFT-ALARM SYSTEM>  
 · IMMOBILIZER-ECU  
 · THEFT-ALARM SYSTEM

(B-02)

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

(B-03)

1	2	3	4	5	6	7	8	9	10	11	12	
13	14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42	
43	44	45	46	47	48	49	50	51	52	53	54	55

(B-16)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(B-41) FRONT SIDE

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

(B-83)

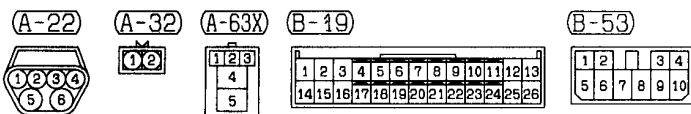
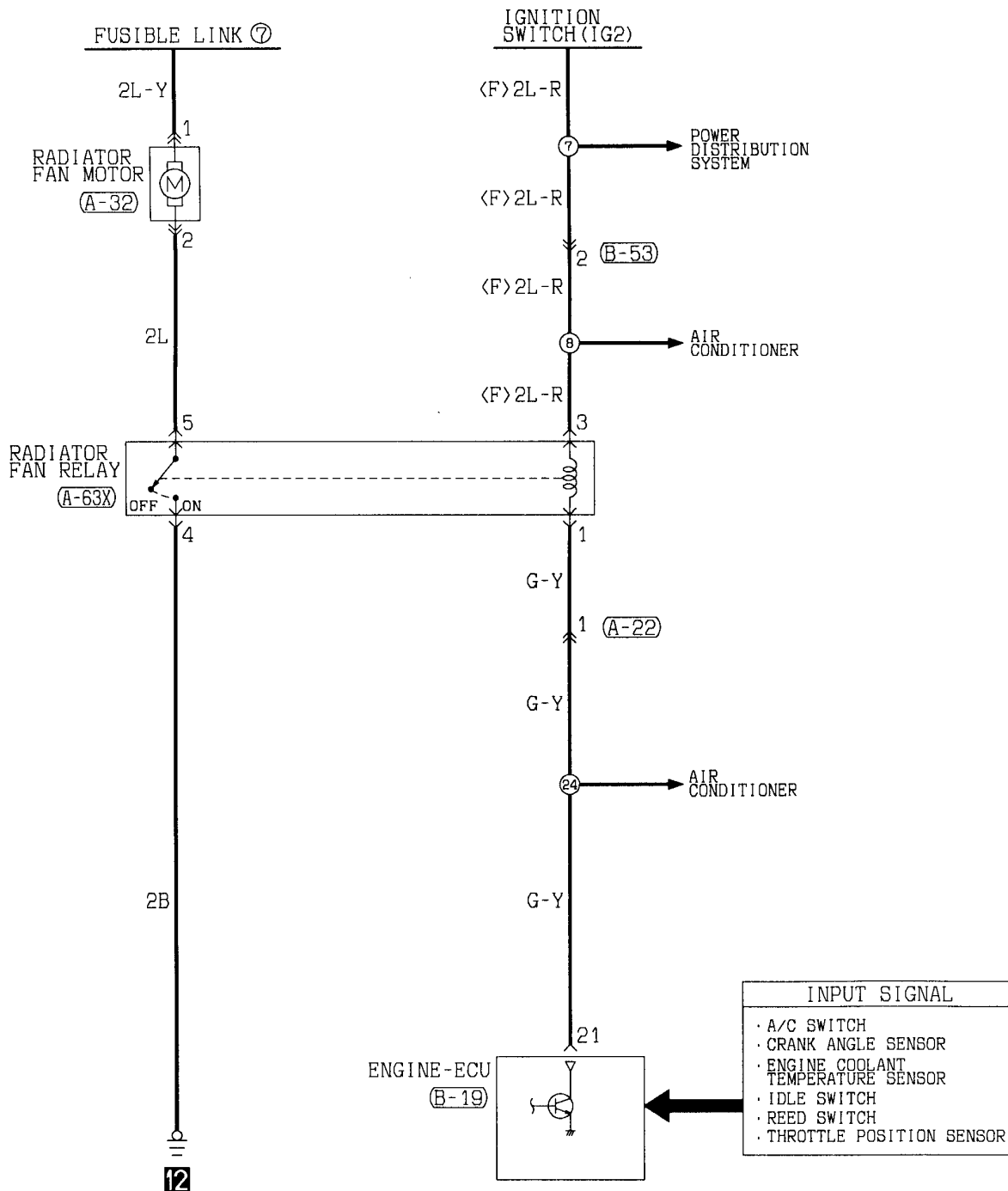
1	2	3	4	5	6	7	8	9		
10	11	12	13	14	15	16	17	18	19	20

(B-89)

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

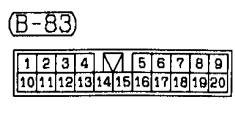
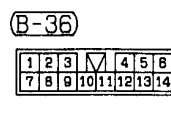
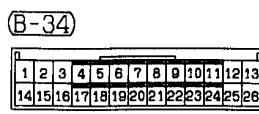
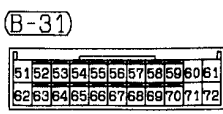
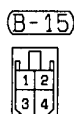
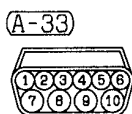
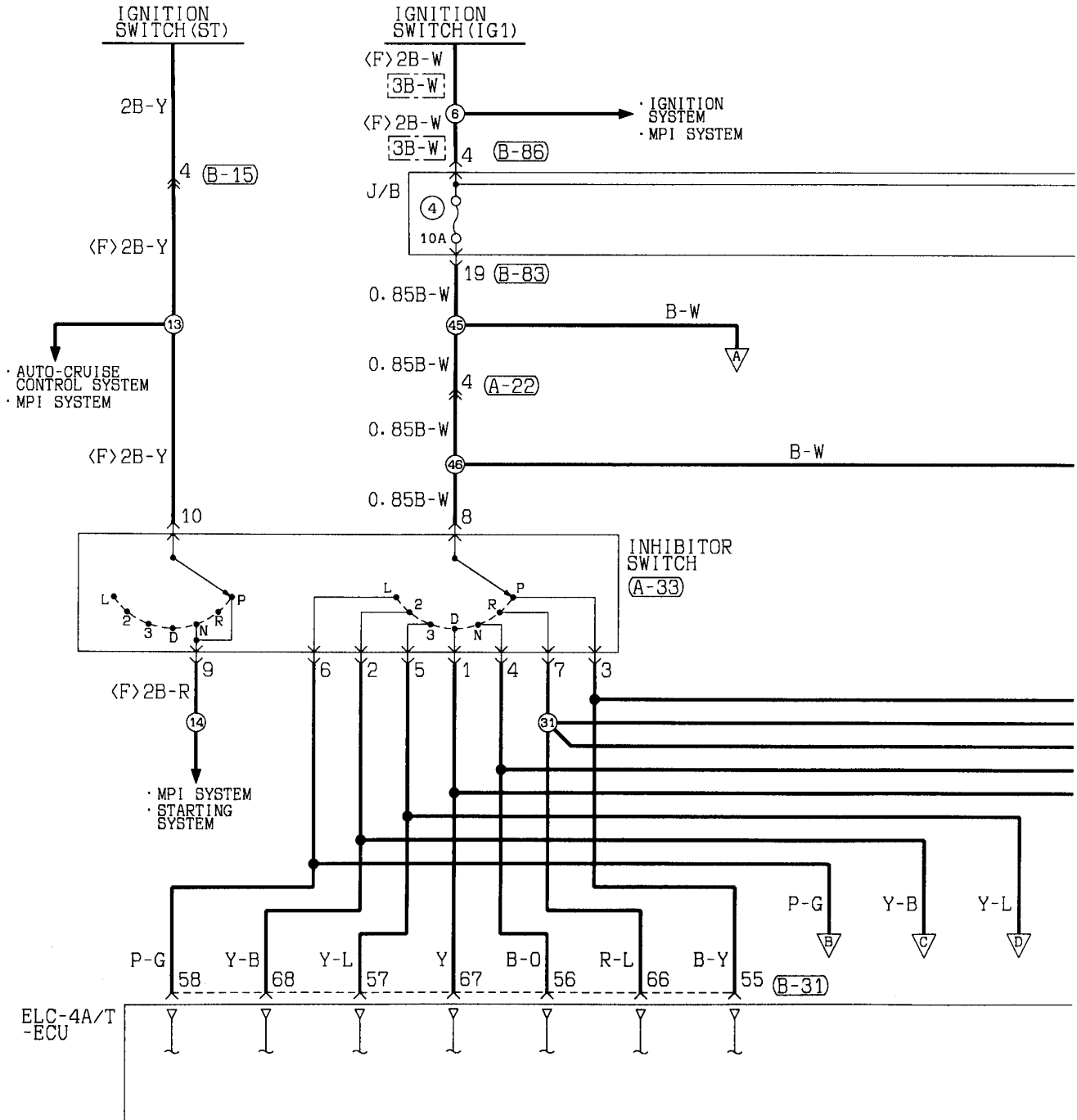
COOLING SYSTEM

90100100291



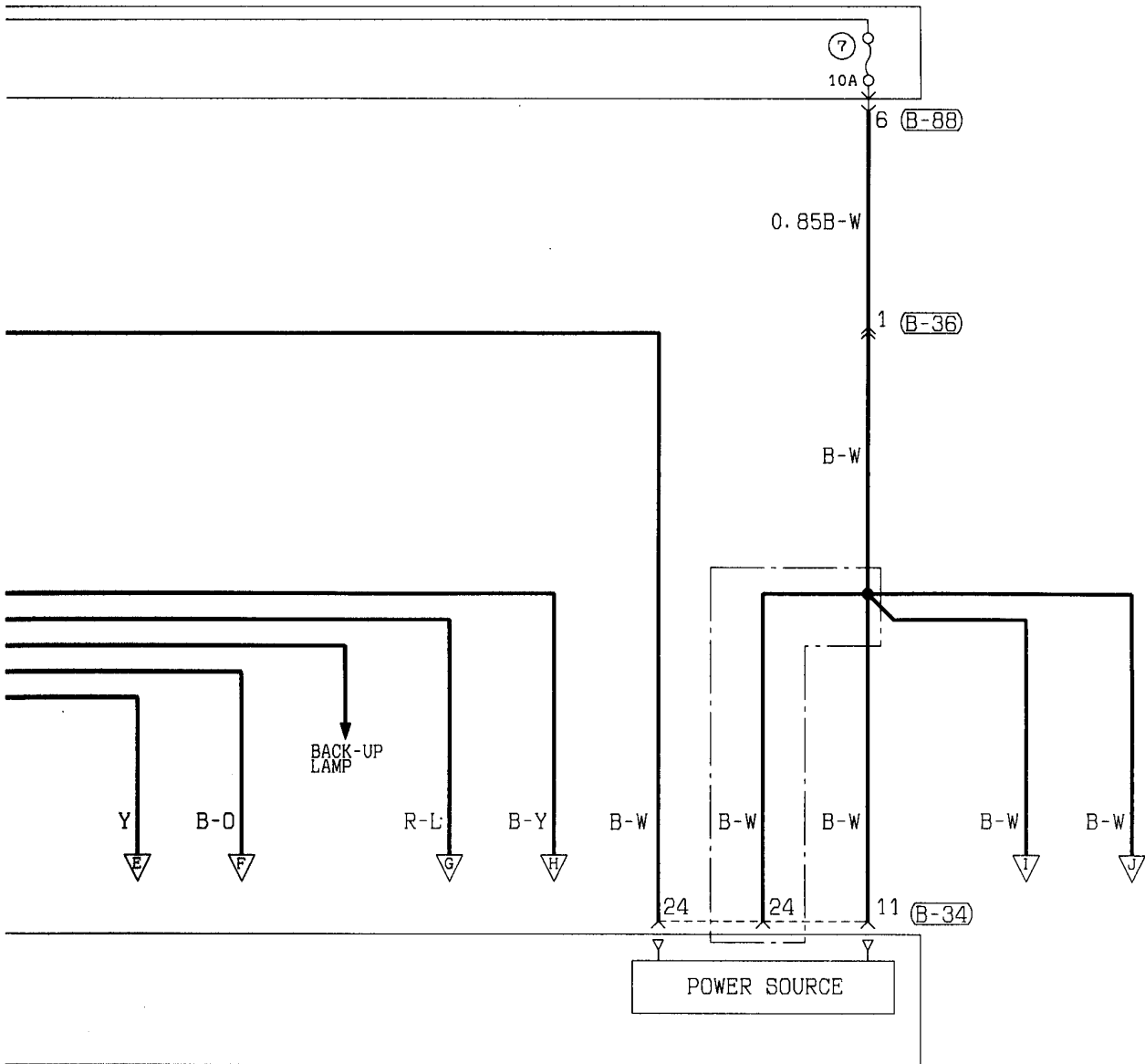
ELC 4-SPEED AUTOMATIC TRANSMISSION

90100120242



Remark

   indicates a running change. (New)



(B-86)

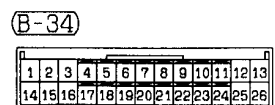
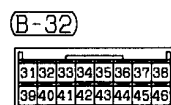
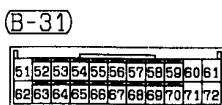
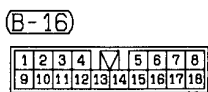
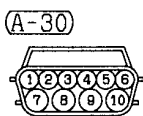
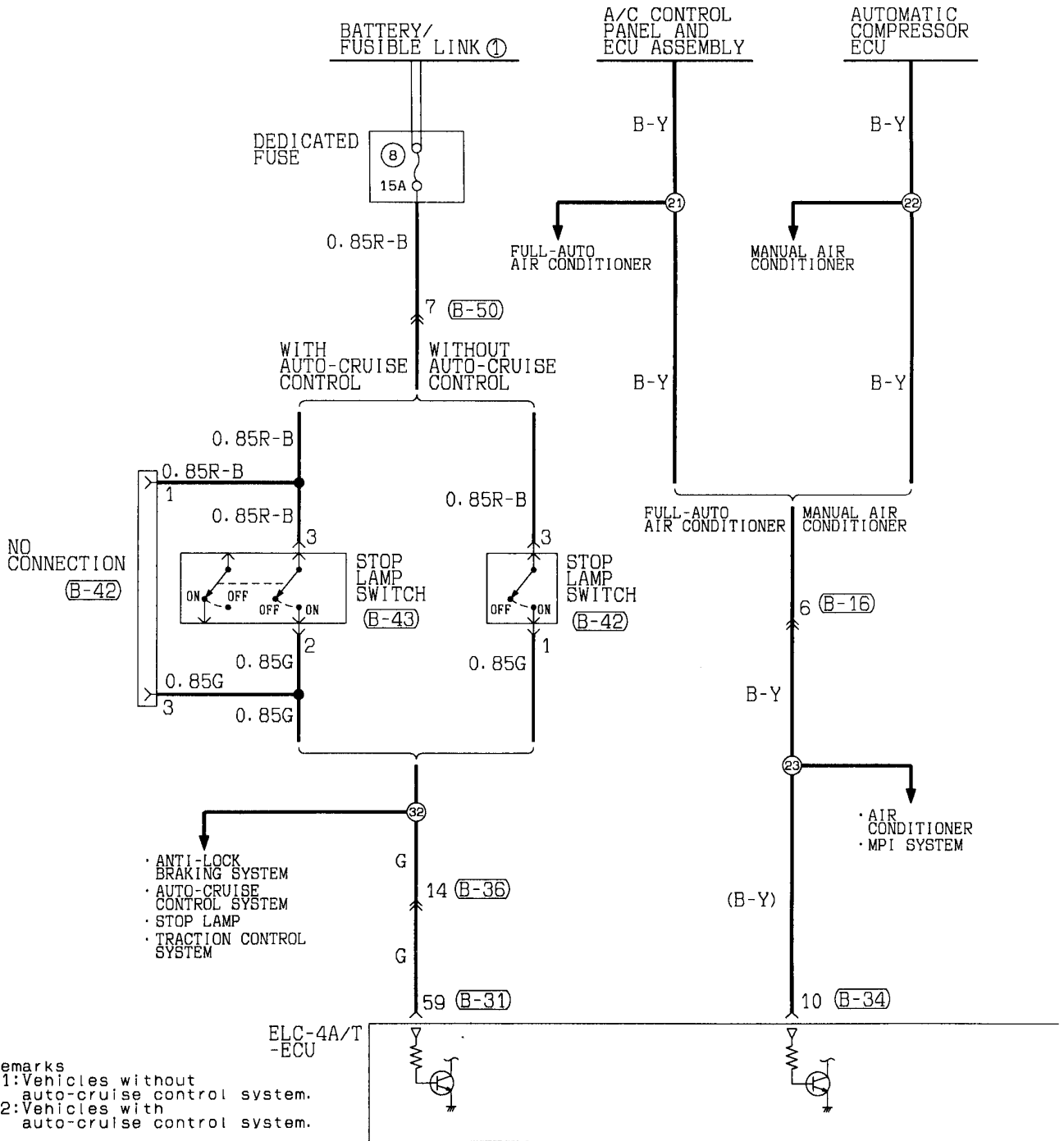
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

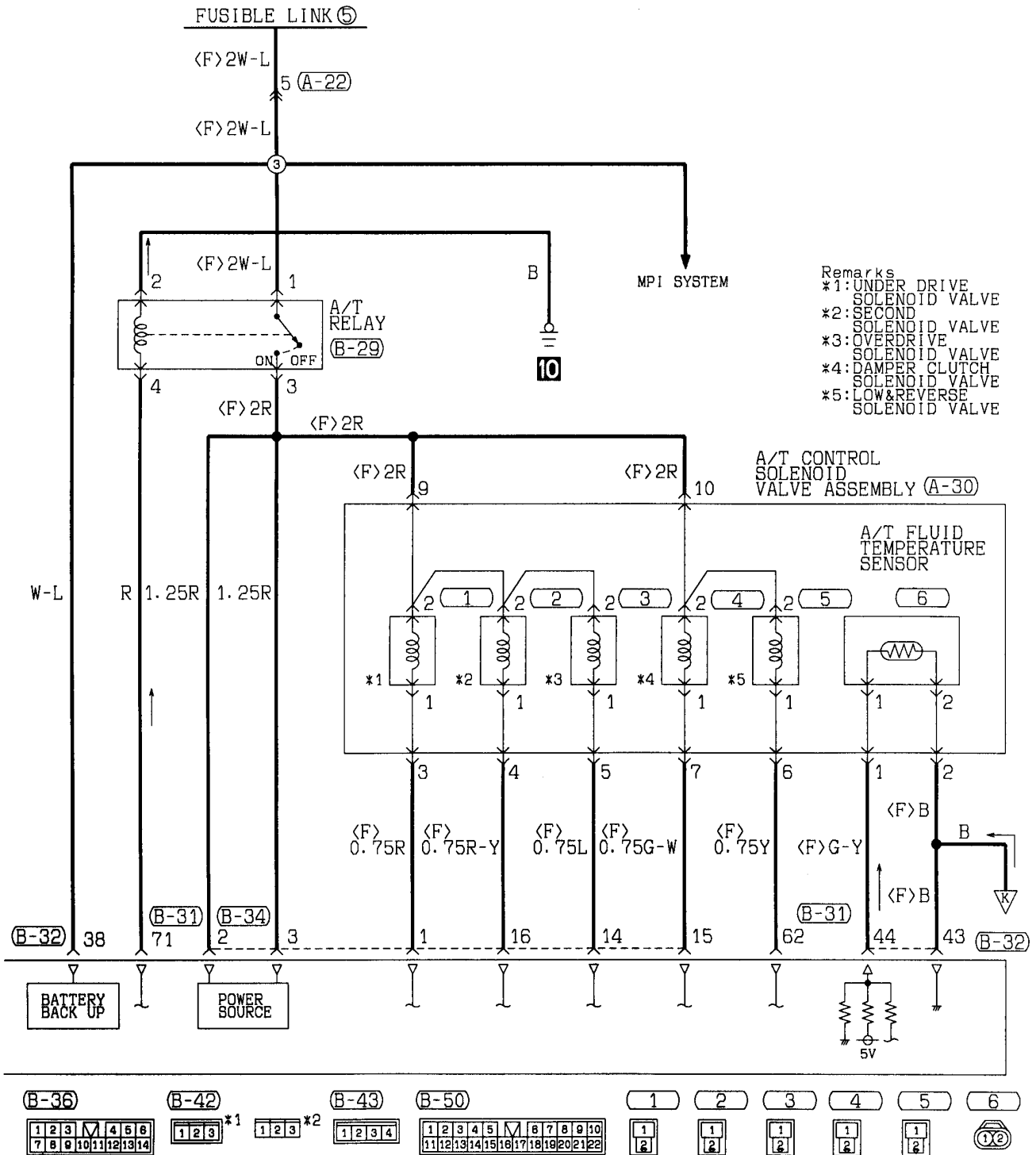
(B-88)

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

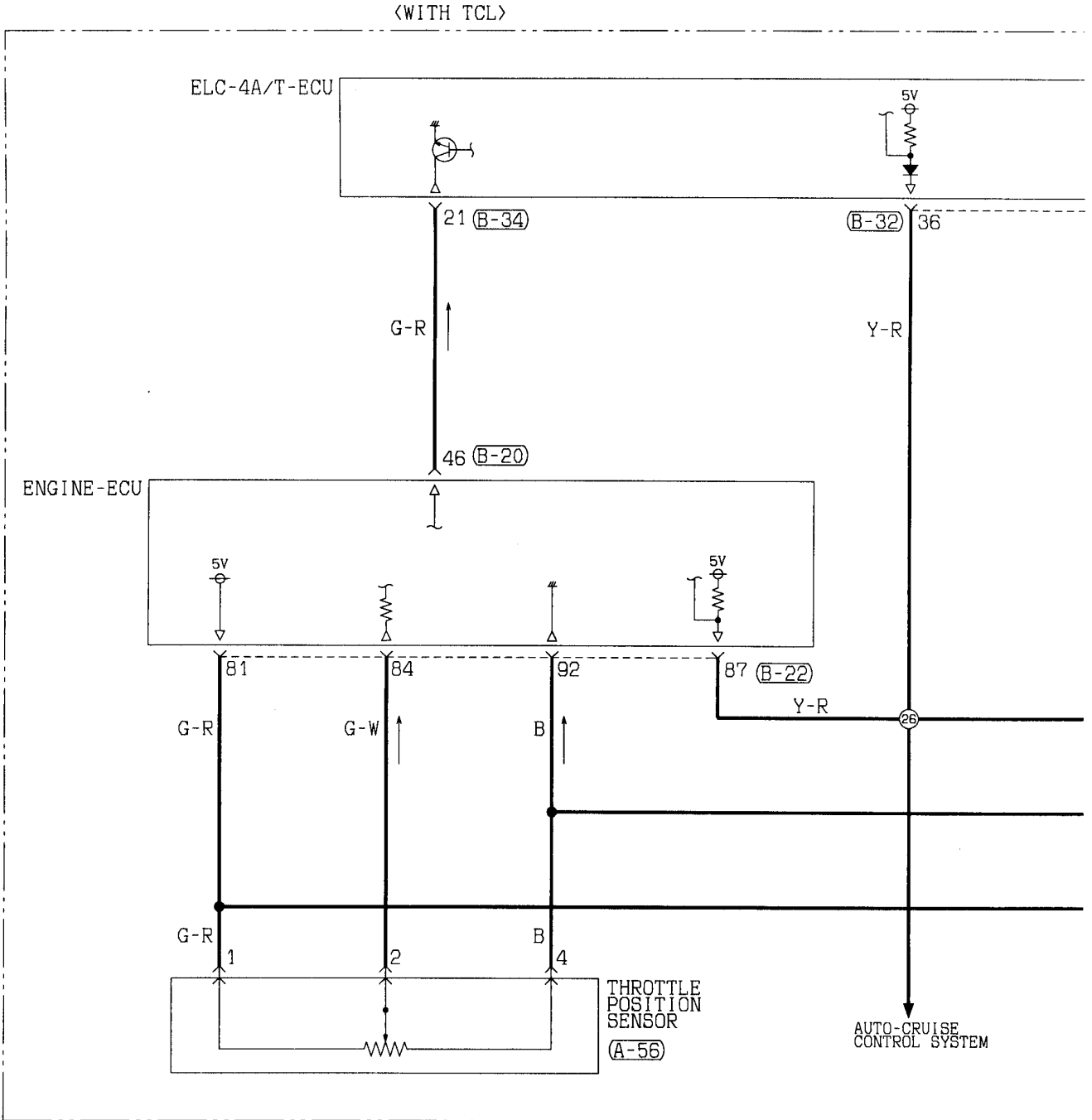


ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)





ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



(A-12)

1	2	3	4
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(A-56)

1	2	3	4
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(B-17)

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

(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-20)

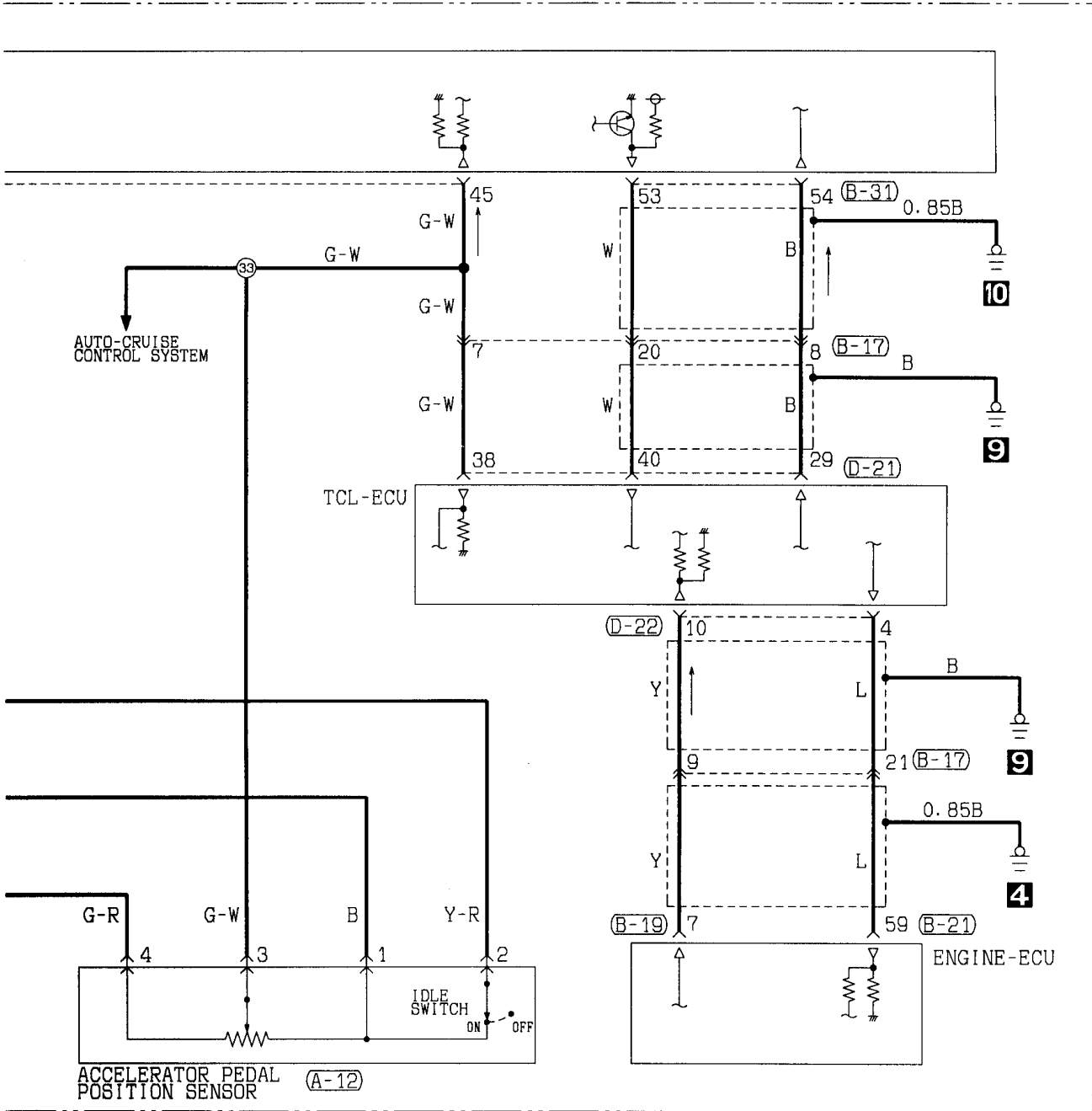
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92



(B-31)

51	52	53	54	55	56	57	58	59	60	61
62	63	64	65	66	67	68	69	70	71	72

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-34)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(D-21)

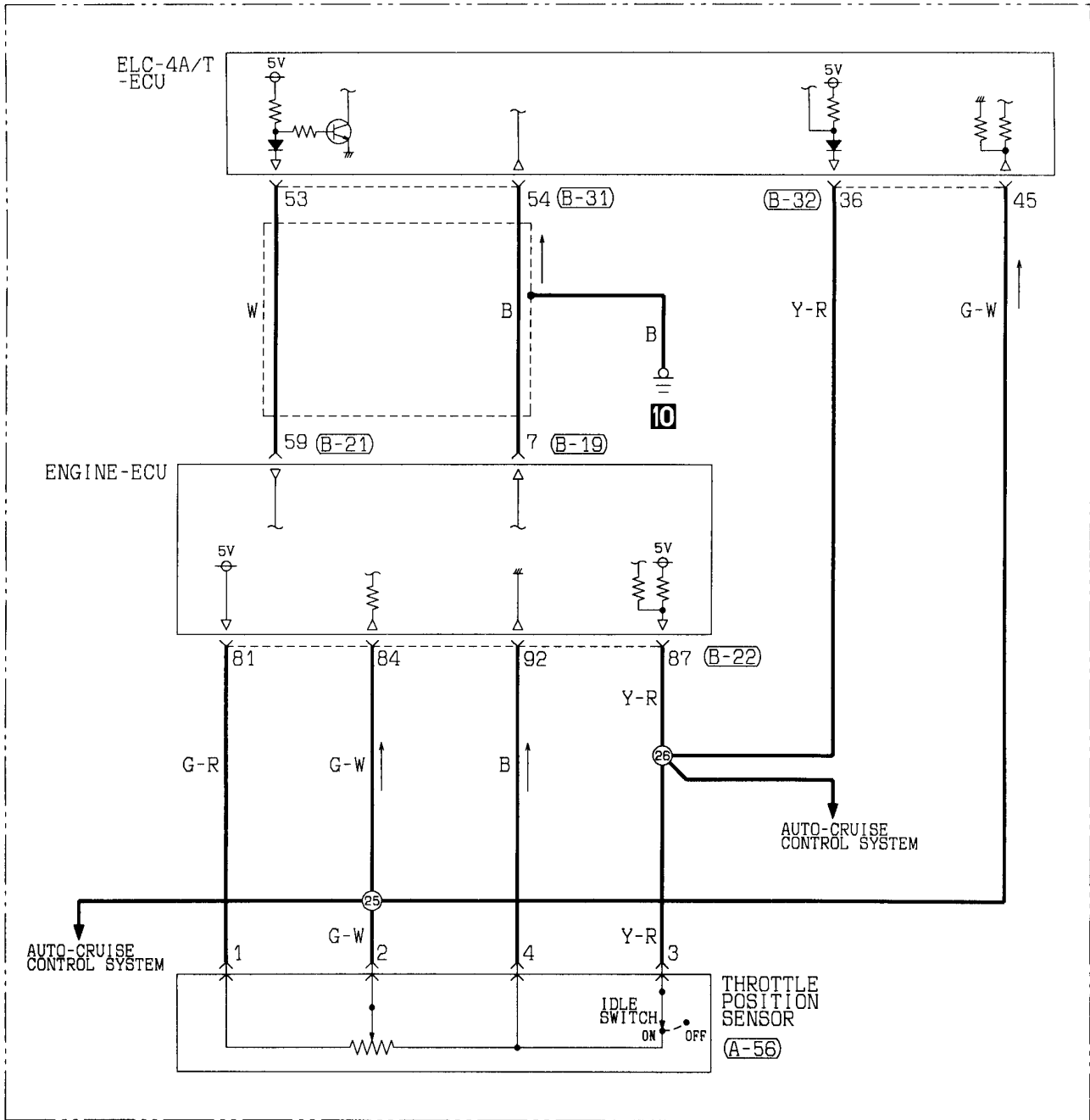
21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

(D-22)

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

ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)

(WITHOUT TCL)



(A-56)

1	2	3	4
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(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

(B-22)

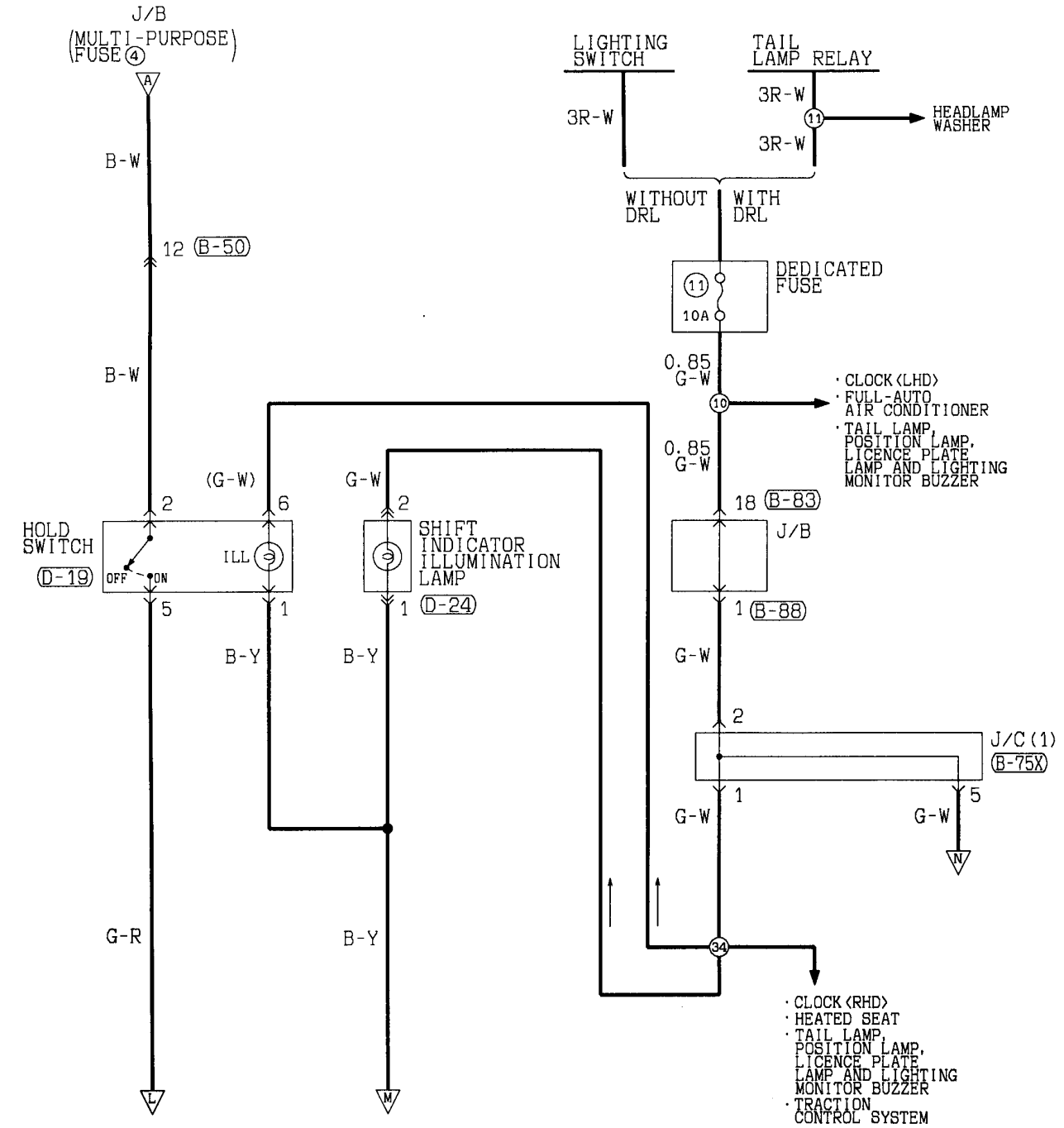
71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(B-31)

51	52	53	54	55	56	57	58	59	60	61
62	63	64	65	66	67	68	69	70	71	72

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46



(B-50)

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

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-88)

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

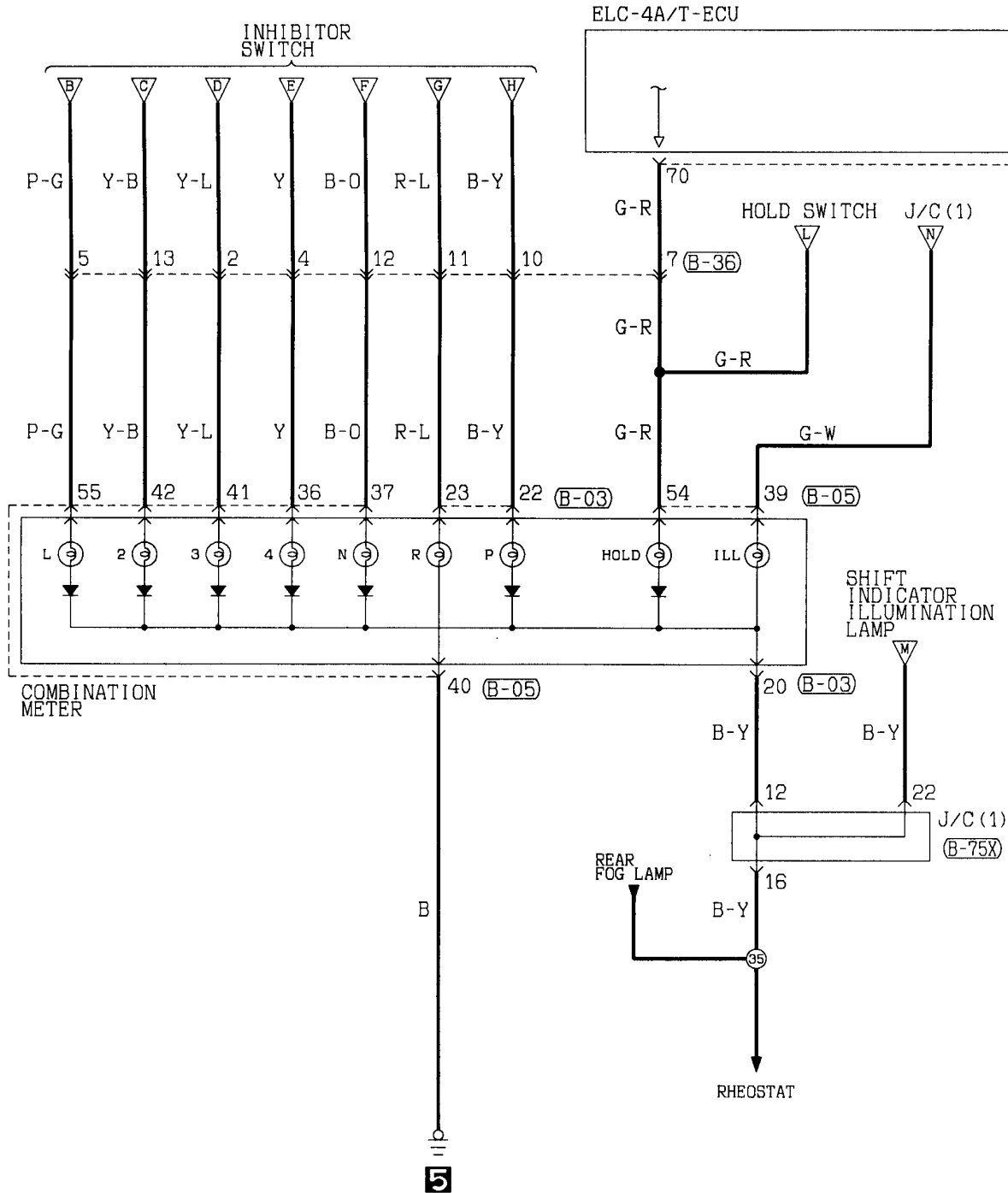
(D-19)

1	2
3	4
5	8

(D-24)

1	2
---	---

ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
44	45	46	47	48	49	50	51	52	53	54	55

(B-16)

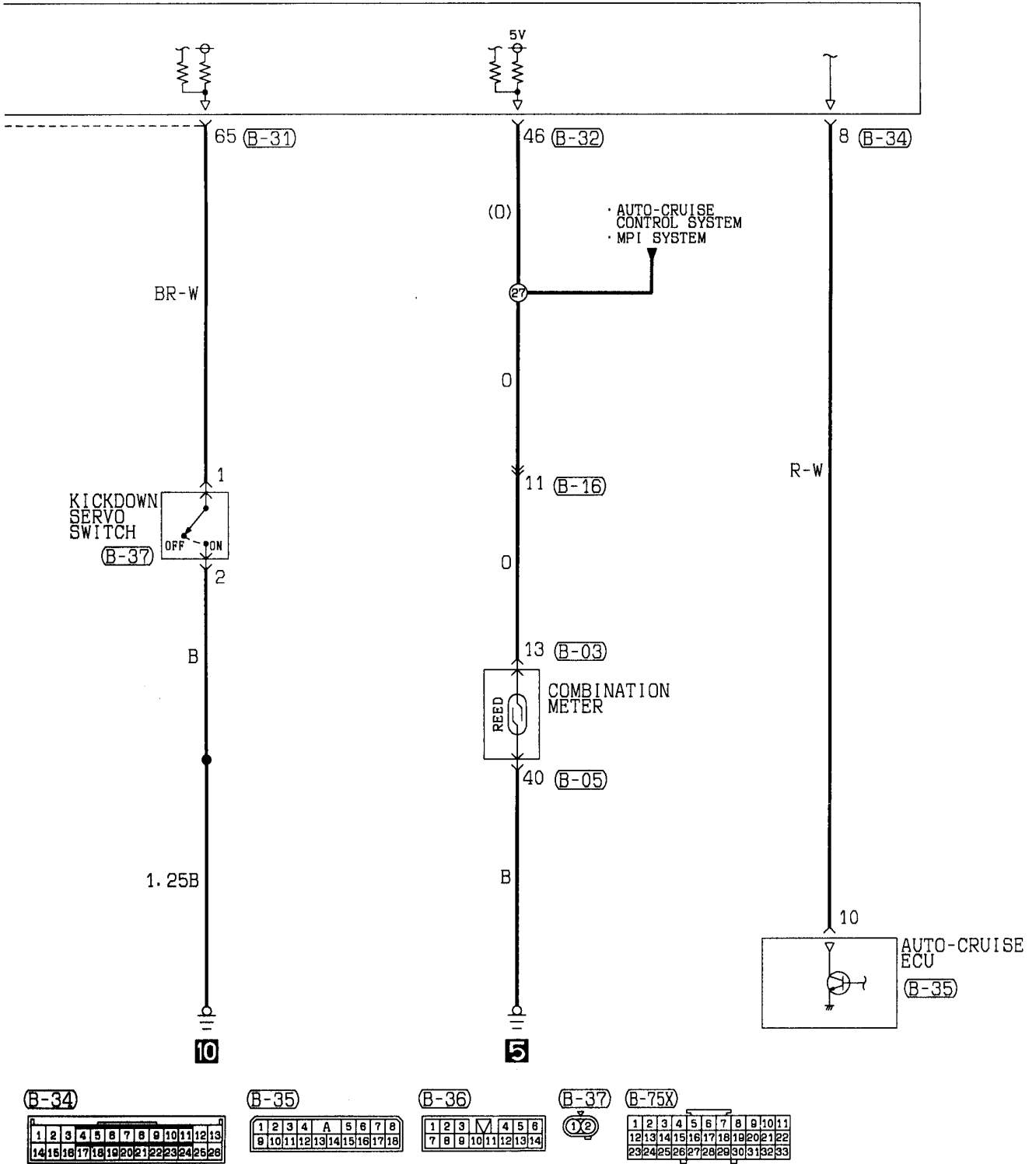
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

(B-31)

51	52	53	54	55	56	57	58	59	60	61
62	63	64	65	66	67	68	69	70	71	72

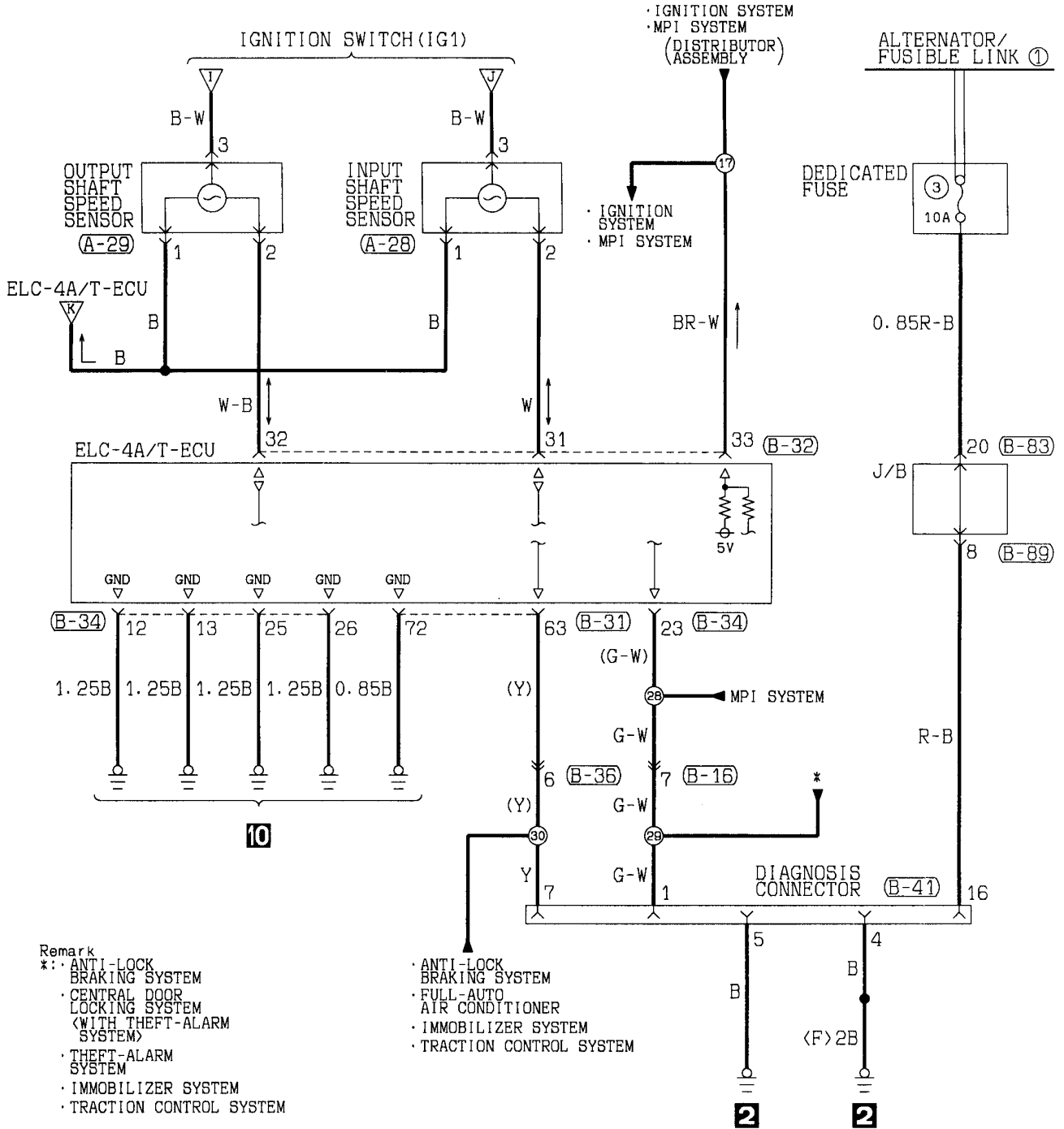
(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46





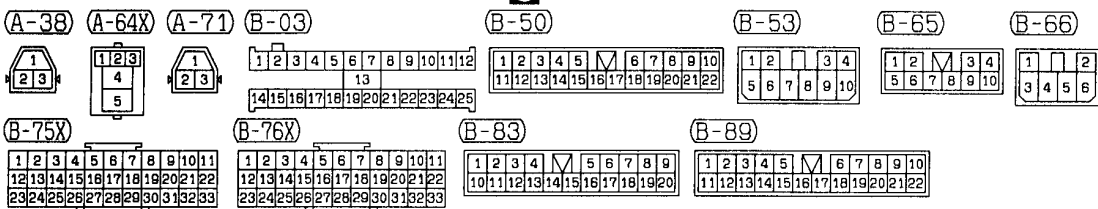
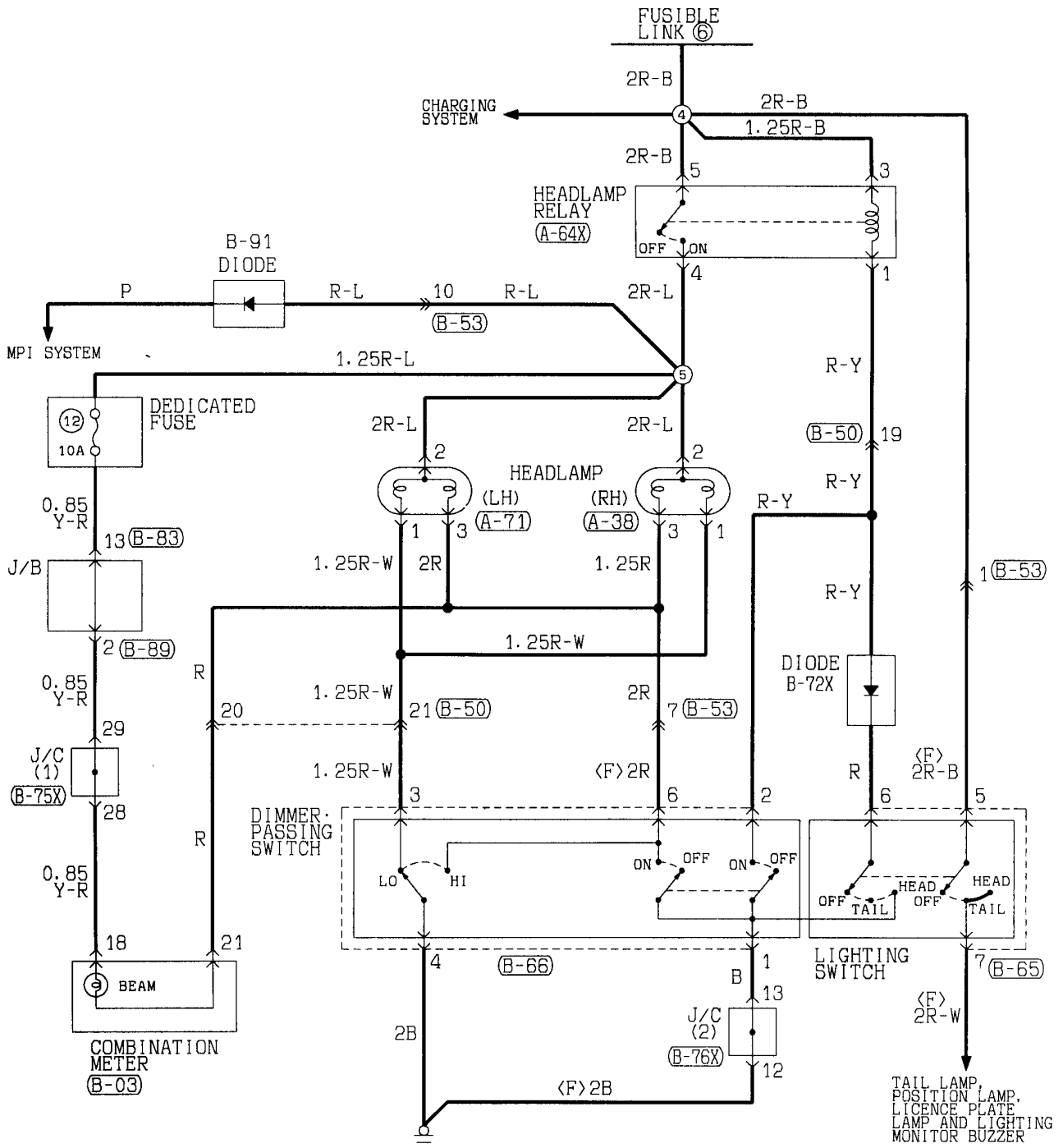
ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



HEADLAMP

90100150326

Vehicles without daytime running lamp



**HEADLAMP <Vehicles without daytime running lamp> (See P. 4-69.)**

**OPERATION**

Headlamp Relay ON Conditions

Refer to the table below.

**<Low-beam operation>**

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

**<Upper-beam operation>**

- Placing the lighting switch in the HEAD position causes the headlamp relay to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

**<Upper-beam indicator lamp>**

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

**<Passing operation>**

- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

**TROUBLESHOOTING HINTS**

1. Headlamps don't go on.
  - 1) But the tail lamps illuminate.
    - Check the headlamp relay.
    - Check the lighting switch.
  - 2) The tail lamps also don't illuminate.
    - Check the fusible link No. (6).
2. The low beam at both sides doesn't illuminate.
  - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
  - 1) The passing signal functions OK.
    - Check the dimmer switch HI contacts.
4. One headlamp doesn't illuminate.
  - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
  - Check the dimmer switch.
6. Upper-beam indicator lamp does not go on.
  - 1) Headlamp upper beams are operational.
    - Check dedicated fuse No. (12).
    - Check the indicator lamp bulb.

Lighting switch	Dimmer/passing switch	Headlamp relay
"HEAD"	—	ON
—	ON	ON

**HEADLAMP <Vehicles with daytime running lamp> (See P. 4-72.)**

**OPERATION**

Headlamp Relay ON Conditions  
Refer to the table below.

**<Daytime running lamp operation>**

- Turning the ignition switch to the ON position causes the headlamp relay, daytime running lamp relay (I), and tail lamp relay to be energized, which causes the headlamps, tail lamps, etc. to go on.

**<Low-beam operation>**

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (II) to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

**<Upper-beam operation>**

- Placing the lighting switch in the HEAD position causes the headlamp relay and daytime running lamp relay (II) to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

**<Upper-beam indicator lamp>**

- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

**<Passing operation>**

- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

**TROUBLESHOOTING HINTS**

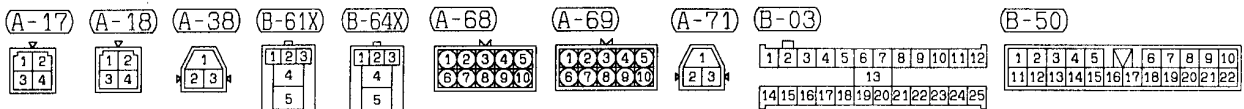
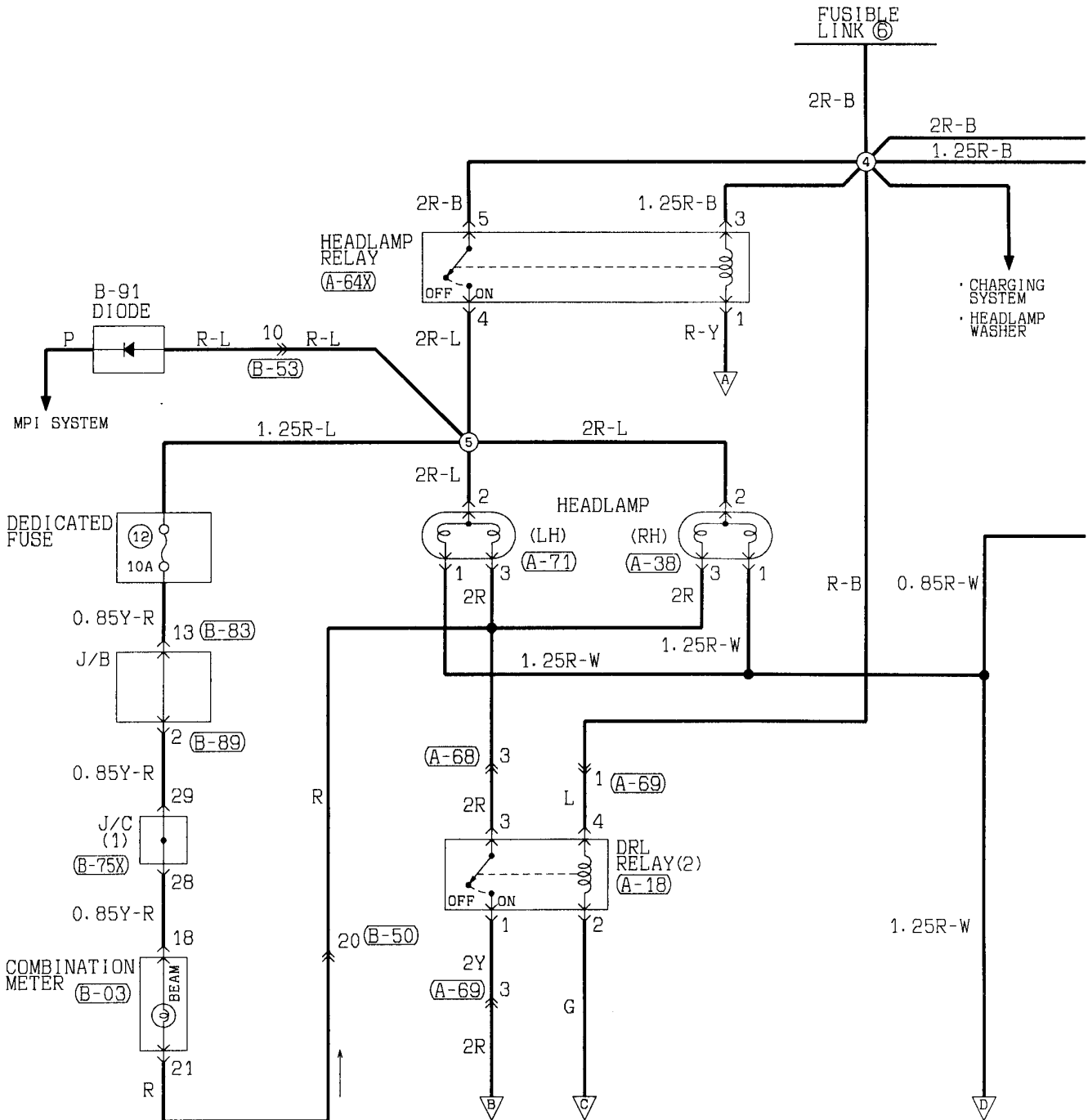
1. Headlamps don't go on.
  - 1) But the tail lamps do illuminate.
    - Check the headlamp relay.
    - Check the lighting switch.
  - 2) The tail lamps also don't illuminate.
    - Check the fusible link No. (6).
2. The low beam at both sides doesn't illuminate.
  - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
  - 1) The passing signal functions OK.
    - Check the dimmer switch HI contacts.
  - 1) The passing signal doesn't function.
    - Check the dimmer switch.
    - Check the daytime running lamp relay (II).
    - Check the daytime running lamp control unit.
4. One headlamp doesn't illuminate.
  - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
  - Check the dimmer switch.
6. With the ignition switch at the "ON" position, the headlamps' low beam does not illuminate.
  - Check the daytime running lamp relay (I).
  - Check the daytime running lamp control unit.
7. Upper-beam indicator lamp does not go on.
  - 1) Headlamp upper beams are operational.
    - Check dedicated fuse No. (12).
    - Check the indicator lamp bulb.

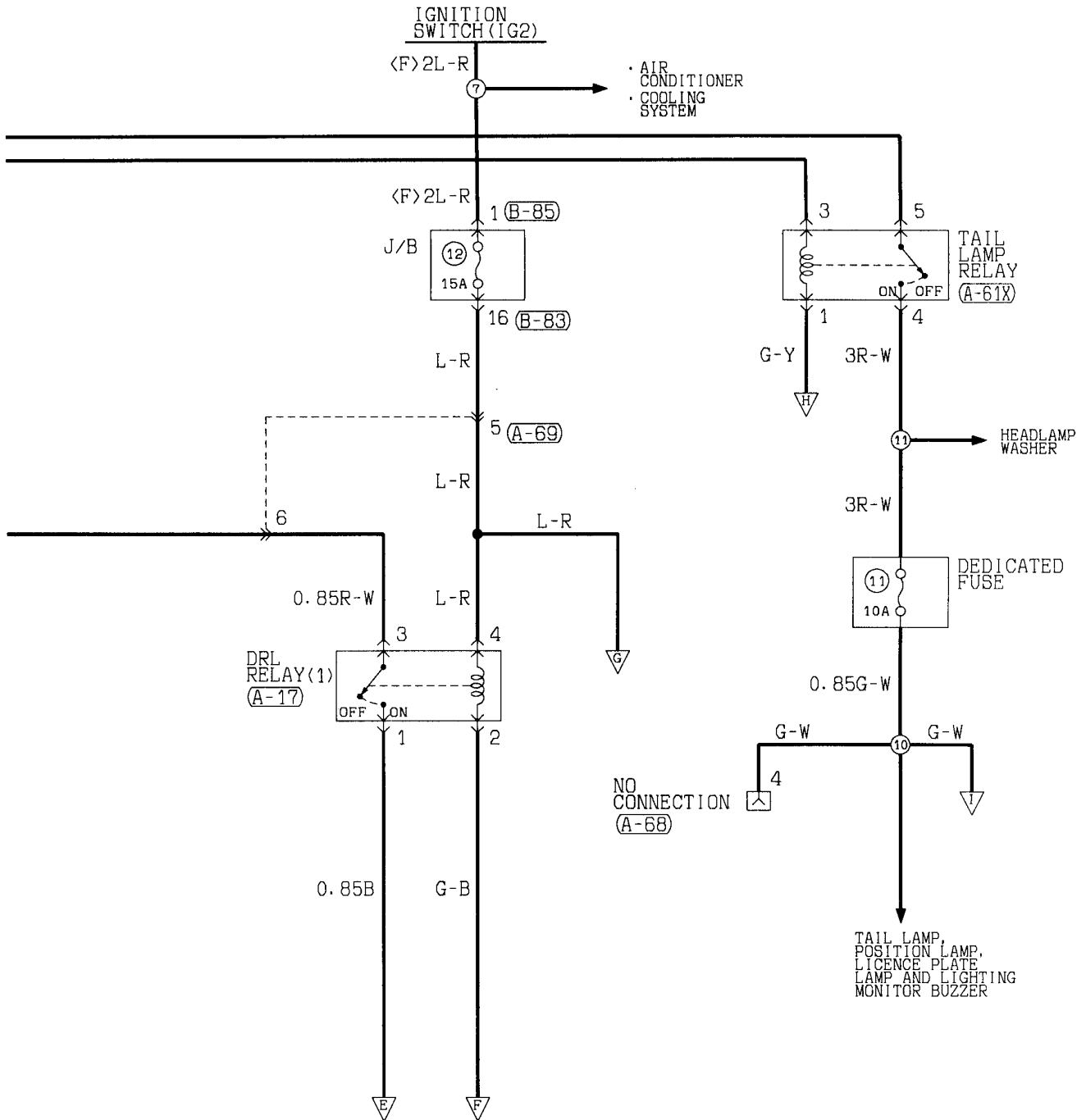
Ignition switch	Lighting switch	Dimmer/passing switch	Headlamp relay
"ON"	"OFF"	—	ON
—	"HEAD"	—	ON
—	—	"PASS"	ON

# HEADLAMP

90100150333

Vehicles with daytime running lamp





(B-53)

1	2	3	4
5	6	7	8
9	10		

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

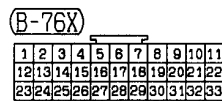
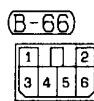
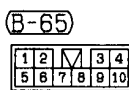
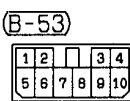
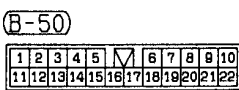
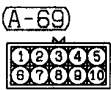
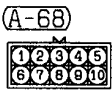
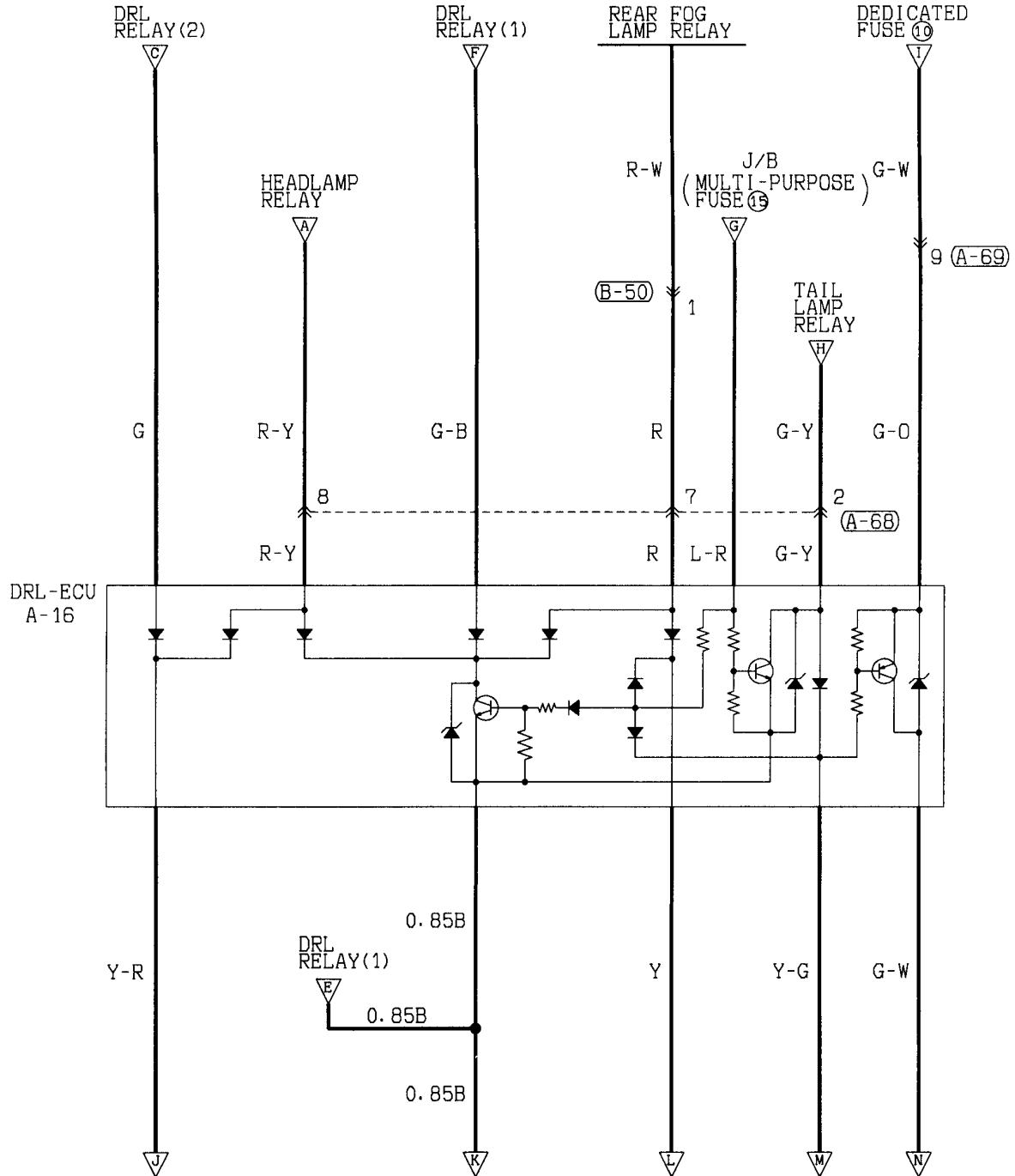
(B-85)

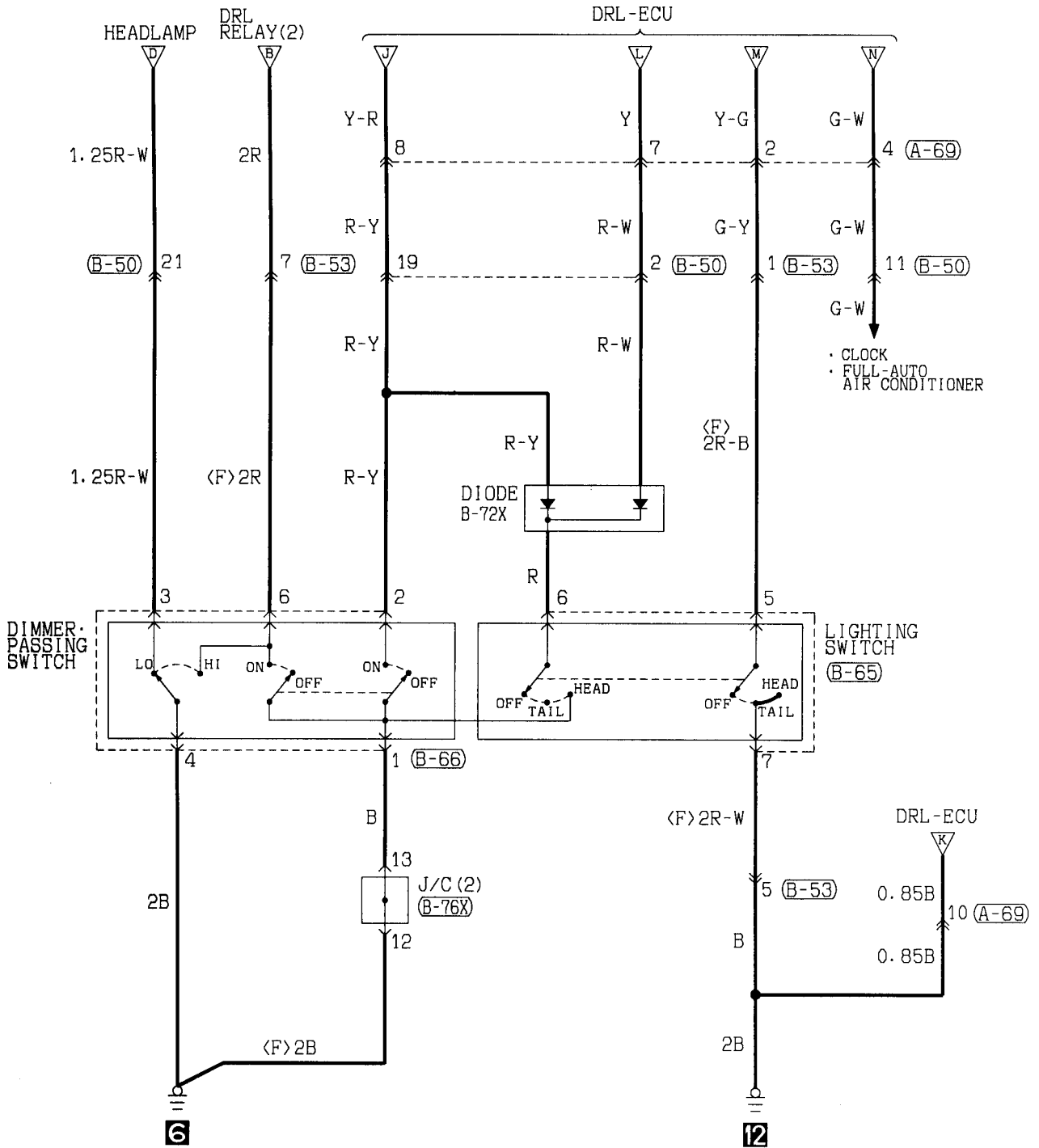
1	2	3
---	---	---

(B-89)

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

HEADLAMP <Vehicles with daytime running lamp> (CONTINUED)

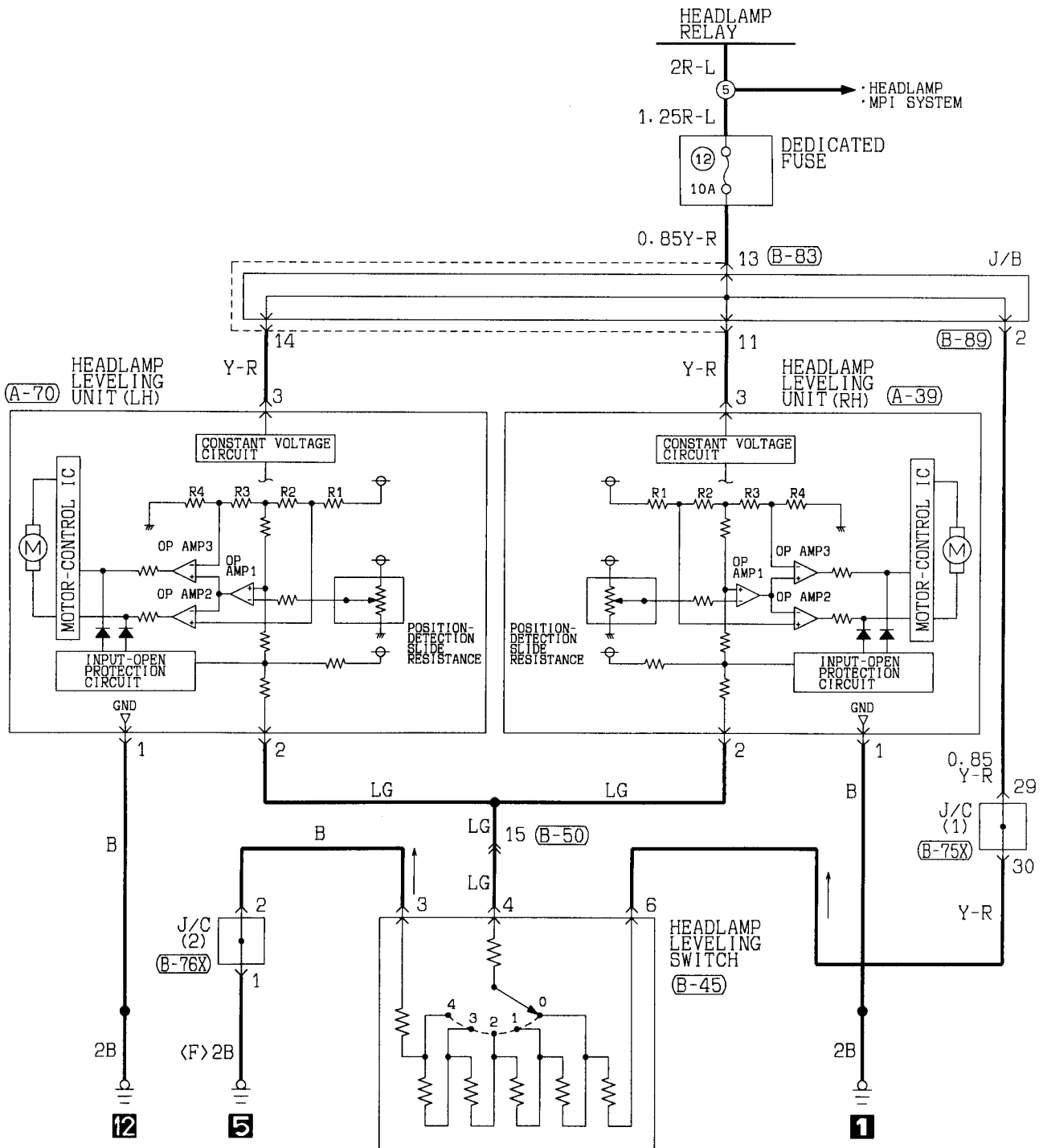






HEADLAMP LEVELING SYSTEM

90101250148



- (A-39)
  - (A-70)
  - (B-45)
  - (B-50)
  - (B-75X)
  - (B-76X)
  - (B-83)
- |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 |    |    |    |    |    |    |    |
- |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 |    |    |    |    |    |    |    |
- |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 |    |    |    |    |    |    |    |
- |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 |    |    |    |    |    |    |    |

**HEADLAMP LEVELING SYSTEM (See P. 4-76.)****OPERATION****1. Headlamps angle-downward operation**

- When the lighting switch is set to the "HEAD" position, the headlamp relay is switched ON, and battery voltage is applied, through the headlamp-leveling unit, to dedicated fuse No. (12).
- When the headlamp-leveling switch setting is changed from "0" to "1", the positive (+) input terminal voltage of the comparator OP AMP 1 (located within the headlamp-leveling unit) becomes greater than the negative (-) input terminal standard reference voltage value, and OP AMP 1 outputs HIGH signals to OP AMP 2 and OP AMP 3.
- As a result of these HIGH signals, OP AMP 2 outputs LOW signals and OP AMP 3 outputs HIGH signals to the motor-control IC.
- When this happens, the motor-control IC is switched ON, current flows to the motor, and the motor rotates in the forward direction.
- The rotation of the motor, after passing through the gears and the output shaft, causes the headlamp reflectors to move to a downward angle, thus changing the angle of headlamp illumination.
- At this time, the position-detection sliding resistance is activated in the direction of the low resistance value, after which the OP AMP 1 negative (-) input terminal voltage value and positive (+) input terminal voltage value become equivalent, and OP AMP 2 and OP AMP 3 both output HIGH signals.
- When this happens, the motor-control IC is switched OFF and the motor stops.

**NOTE**

- (1) The same operation occurs if the headlamp-leveling switch is set to another position.
- (2) The input open protection circuit functions to stop the operation of the motor if there is an abnormal condition, such as damaged or disconnected wiring within the headlamp-leveling unit or of the wiring harness.

**2. Headlamps angle-upward operation**

- The headlamp angle-upward operation is the opposite logic of the downward operation; the motor operates in the reverse direction and then stops.

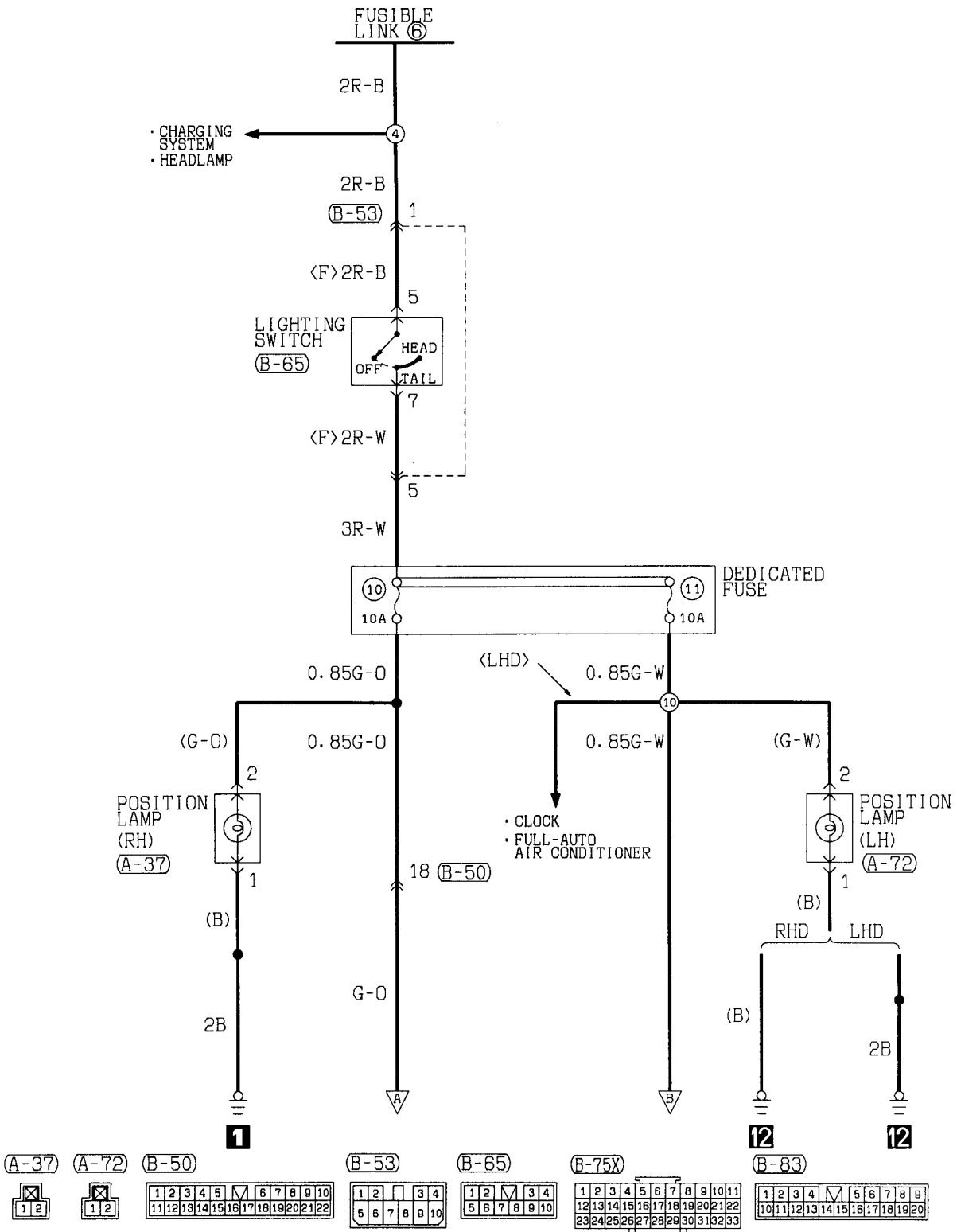
**TROUBLESHOOTING HINTS**

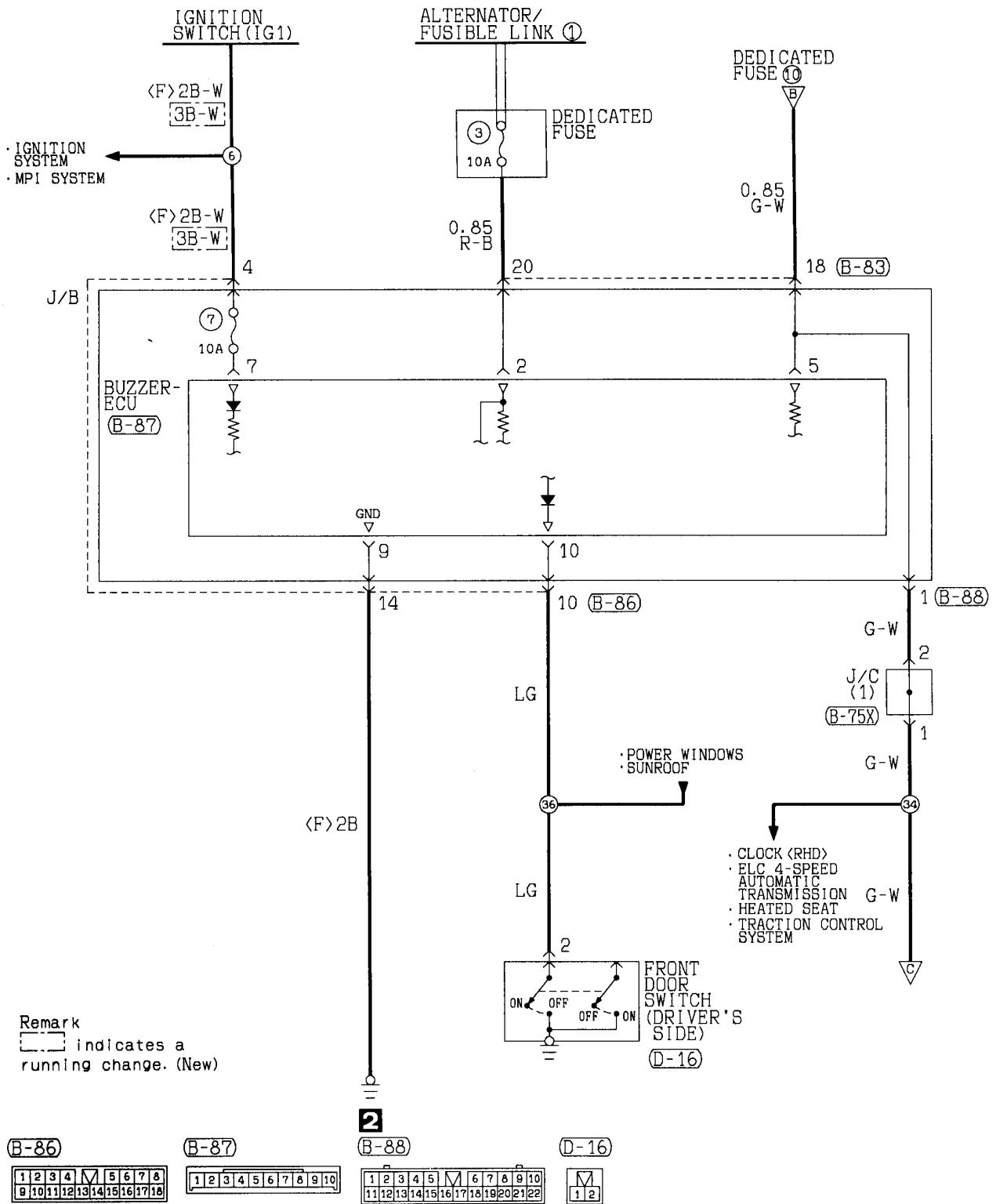
1. Absolutely no change of the headlamp angle
  - (1) The upper-beam indicator lamp illuminates.
    - Check the headlamp-leveling switch.
    - Check the headlamp-leveling unit.
  - (2) The upper-beam indicator lamp does not illuminate.
    - Check dedicated fuse No. (12).
2. There is one setting of the headlamp-leveling switch at which the headlamp angle does not change.
  - Check the headlamp-leveling switch.

**TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER**

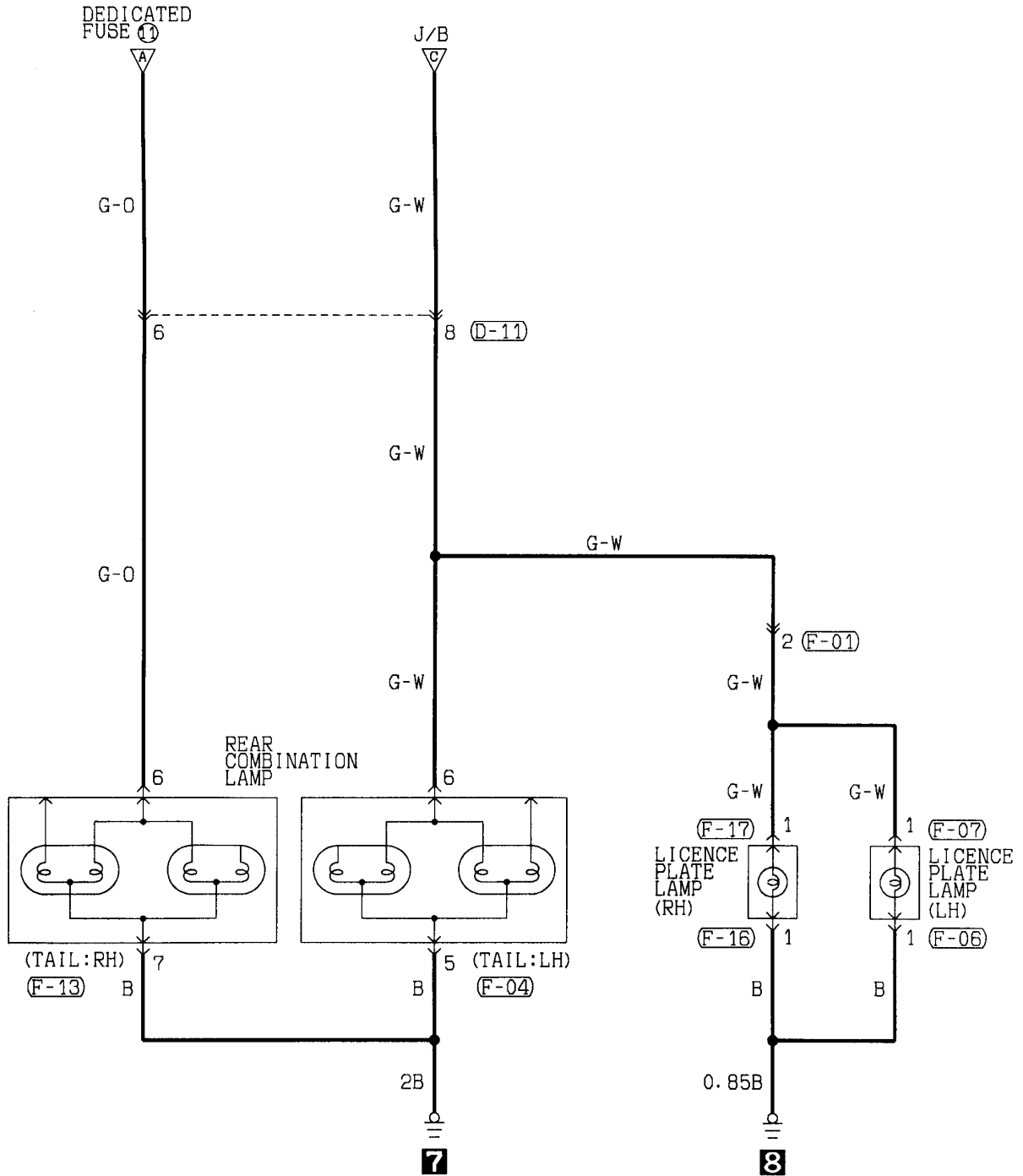
90100170056

Vehicles without daytime running lamp





TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER <Vehicles without daytime running lamp> (CONTINUED)



(D-11)

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

(F-01)

1	M	2	3	
4	5	6	7	8

(F-04)

1	2	3		
4	5	6	7	8

(F-06)

1
---

(F-07)

1
---

(F-13)

1	2	3		
4	5	6	7	8

(F-16)

1
---

(F-17)

1
---

**TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER (See P. 4-78, 82.)****OPERATION**

1. **Vehicles without daytime running lamp.**
  - When the lighting switch is turned to the "TAIL" or "HEAD" position, current is supplied to each lamp, causing them to illuminate.
2. **Vehicles with daytime running lamp.**
  - Placing the lighting switch in the "TAIL" or "HEAD" position causes the tail lamp relay to be energized.  
If the ignition switch is turned to the "ON" position, the tail lamp relay normally is always "ON".
  - As a result, current flows by way of dedicated fuse No. (10) and No. (11) to each lamp, causing the lamp to go on.

**<Lighting monitor buzzer operation>**

- When the lighting switch is in the "TAIL" or "HEAD" position, if the ignition switch is turned to the "ACC" or "LOCK" position or if the ignition key is removed, the lighting monitor buzzer will sound when the driver's side door is opened as a warning to the driver.

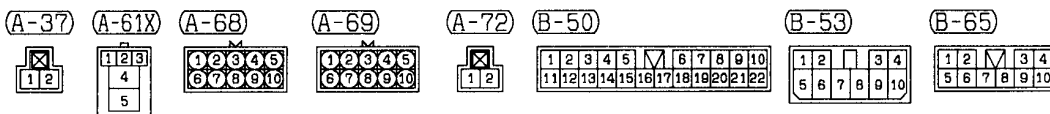
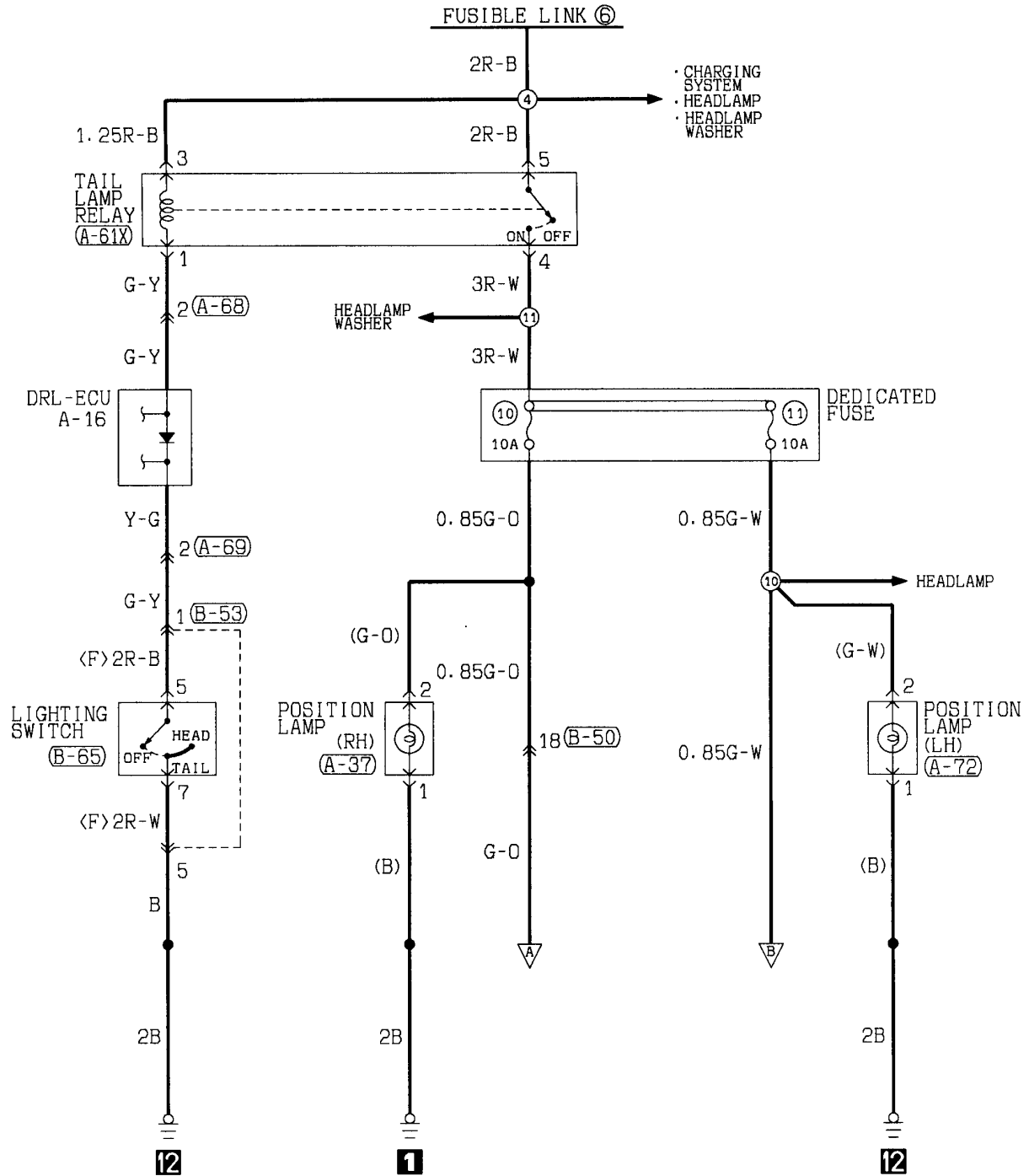
**TROUBLESHOOTING HINTS**

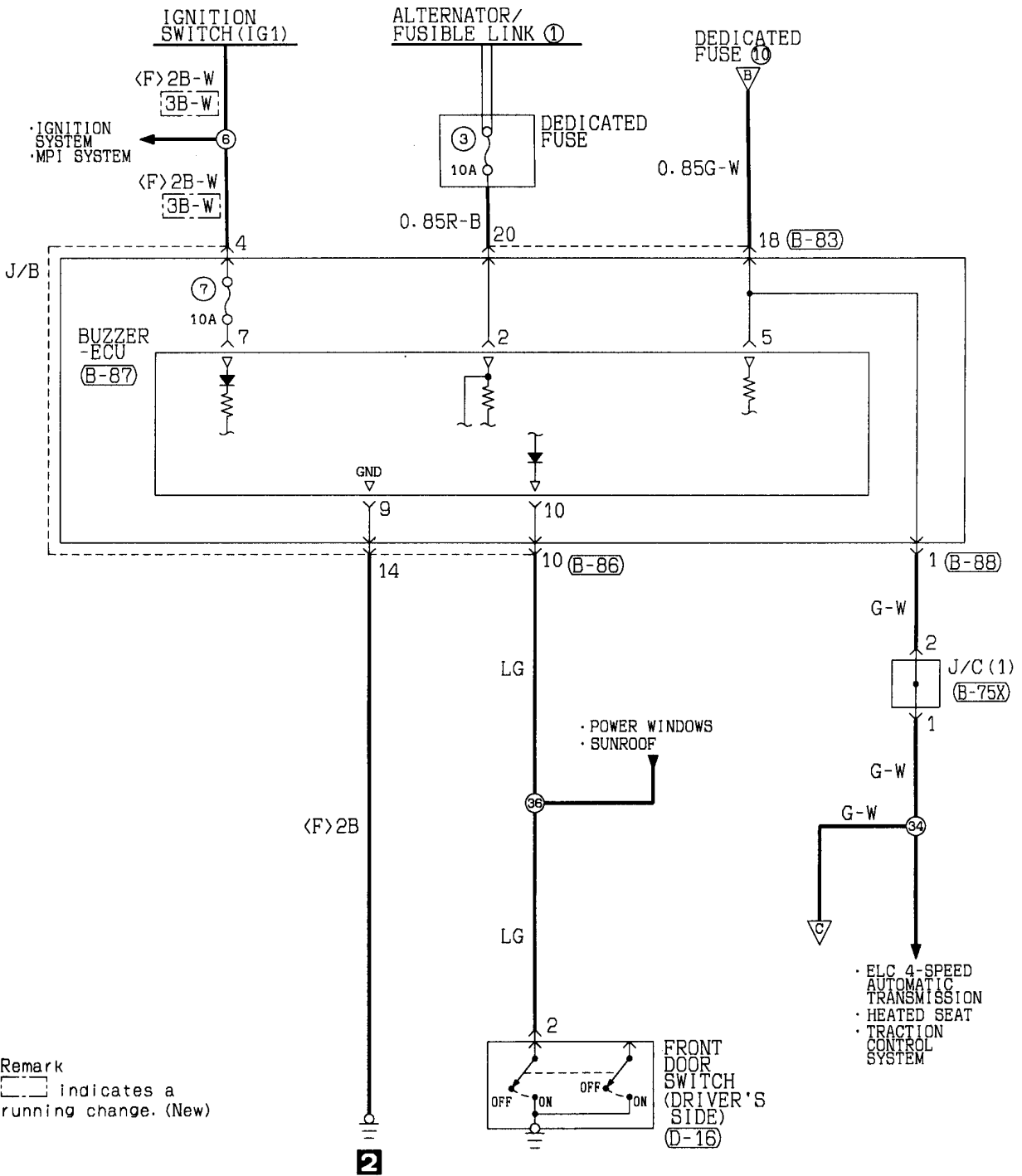
1. No lamp go on.
  - 1) Headlamps do not go on, either.
    - Check fusible link No. (6).
  - 2) Headlamps go on.
    - Check tail lamp relay.
    - Check dedicated fuse No. (10) and No. (11).
2. Lighting monitor buzzer does not sound.
  - 1) Tail lamps go on.
    - Check lighting monitor buzzer.
    - Check front door switch (driver's side).

# TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER

90100170063

Vehicles with daytime running lamp





Remark  
 [ ] indicates a running change. (New)

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

(B-87)

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

(B-88)

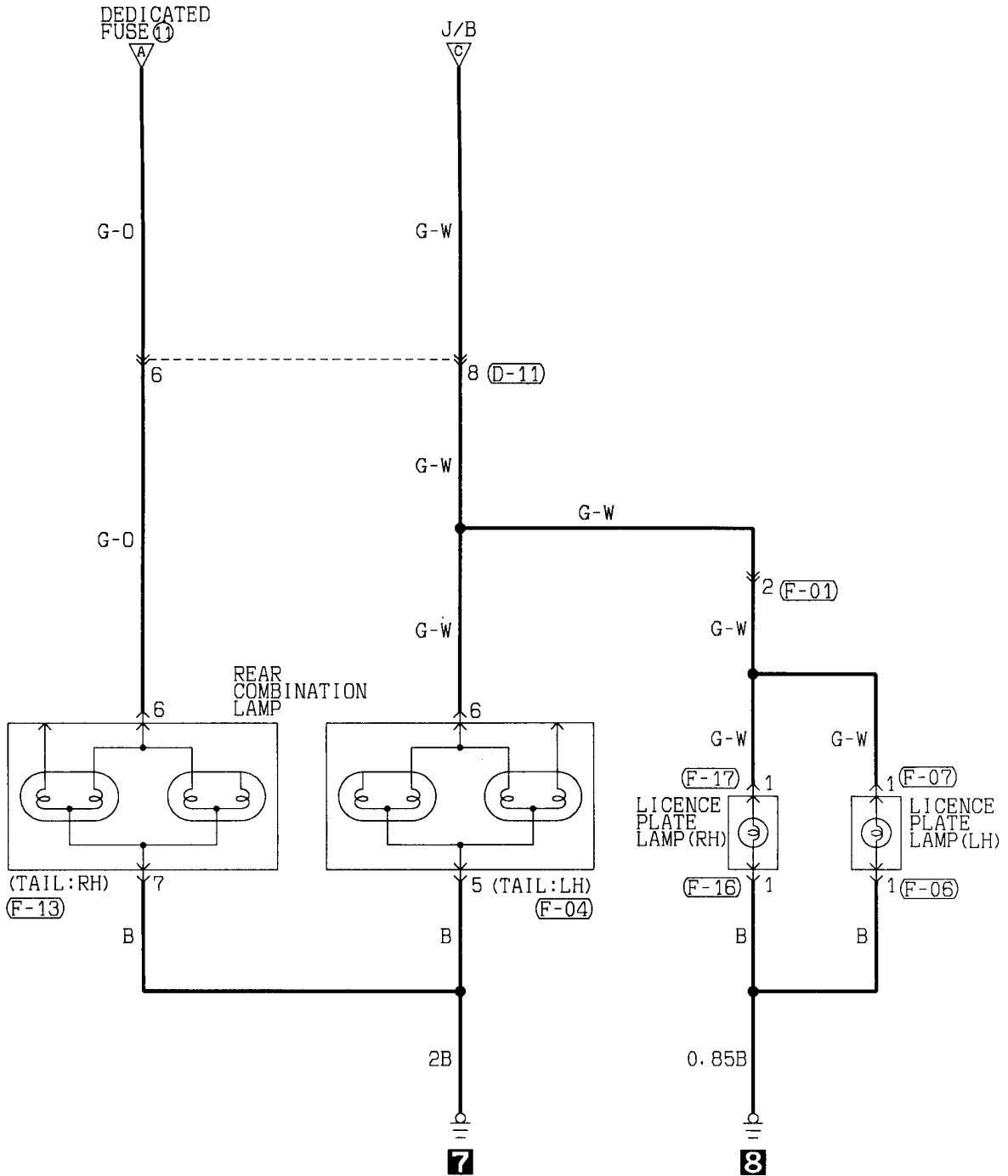
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

(D-16)

1	2
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TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER <Vehicles with daytime running lamp> (CONTINUED)



(D-11)

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

(F-01)

1	2	3		
4	5	6	7	8

(F-04)

1	2	3		
4	5	6	7	8

(F-06)

1	2
---	---

(F-07)

1	2
---	---

(F-13)

1	2	3		
4	5	6	7	8

(F-16)

1	2
---	---

(F-17)

1	2
---	---

**FRONT FOG LAMP (See P. 4-86, 88.)****OPERATION**

1. **Vehicles without daytime running lamp.**
  - When the lighting switch is at the "TAIL" or "HEAD" position and the front fog lamp switch is turned to "ON", the front fog lamps illuminate.
2. **Vehicles with daytime running lamp.**
  - Placing the lighting switch in the "TAIL" or "HEAD" position causes the tail lamp relay to be energized. If the ignition switch is turned to the "ON" position, the tail lamp relay normally is always "ON".
  - When the front fog lamp switch is turned "ON" in this condition, the front fog lamp goes on.

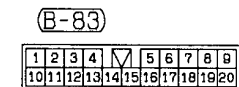
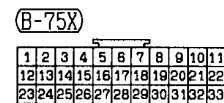
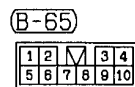
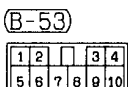
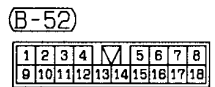
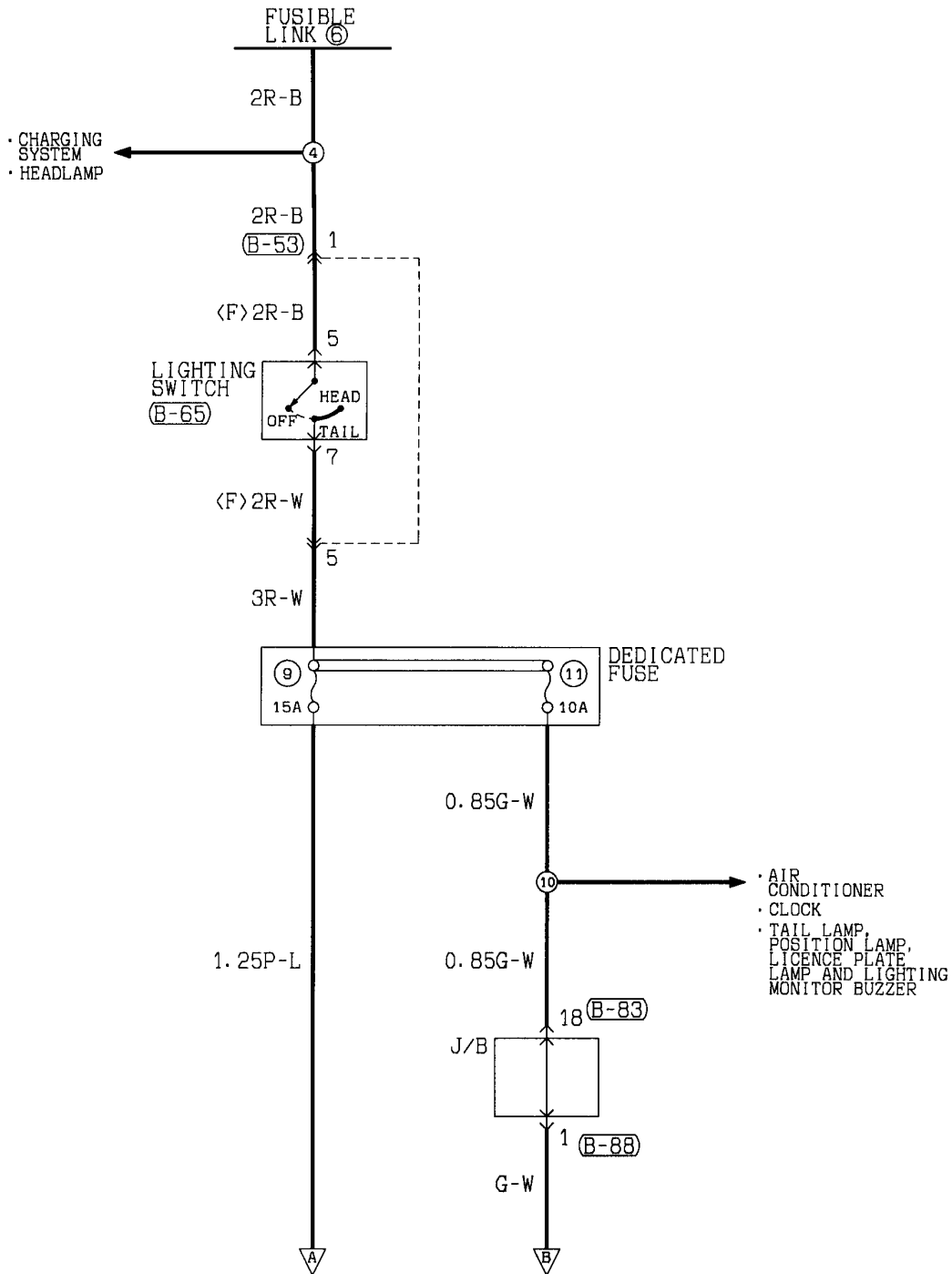
**TROUBLESHOOTING HINTS**

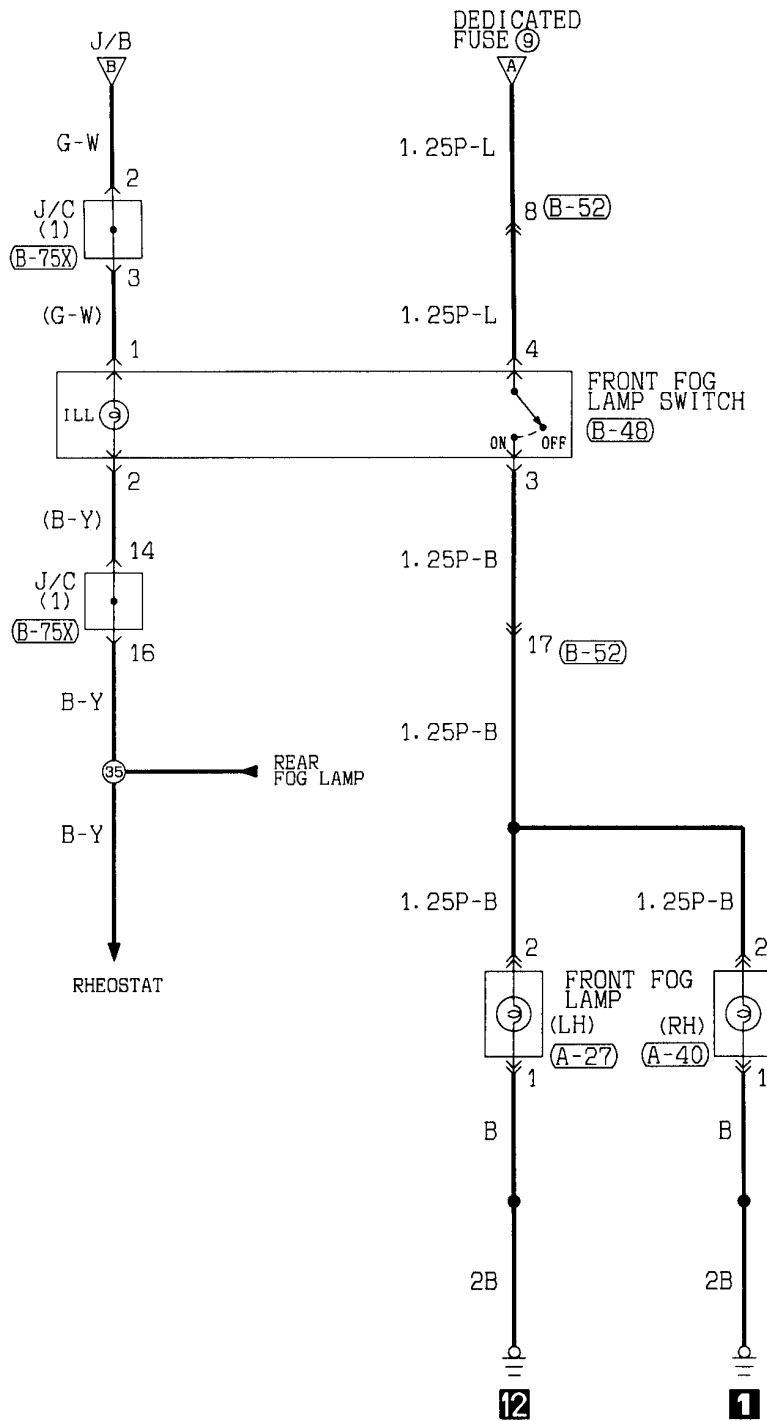
1. The front fog lamp does not light up.
  - 1) The tail lamp lights up.
    - Check front fog lamp relay.
    - Check front fog lamp switch.

FRONT FOG LAMP

90101190129

Vehicles without daytime running lamp





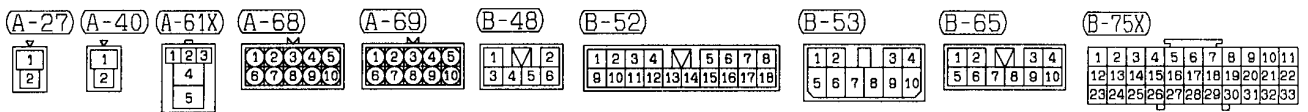
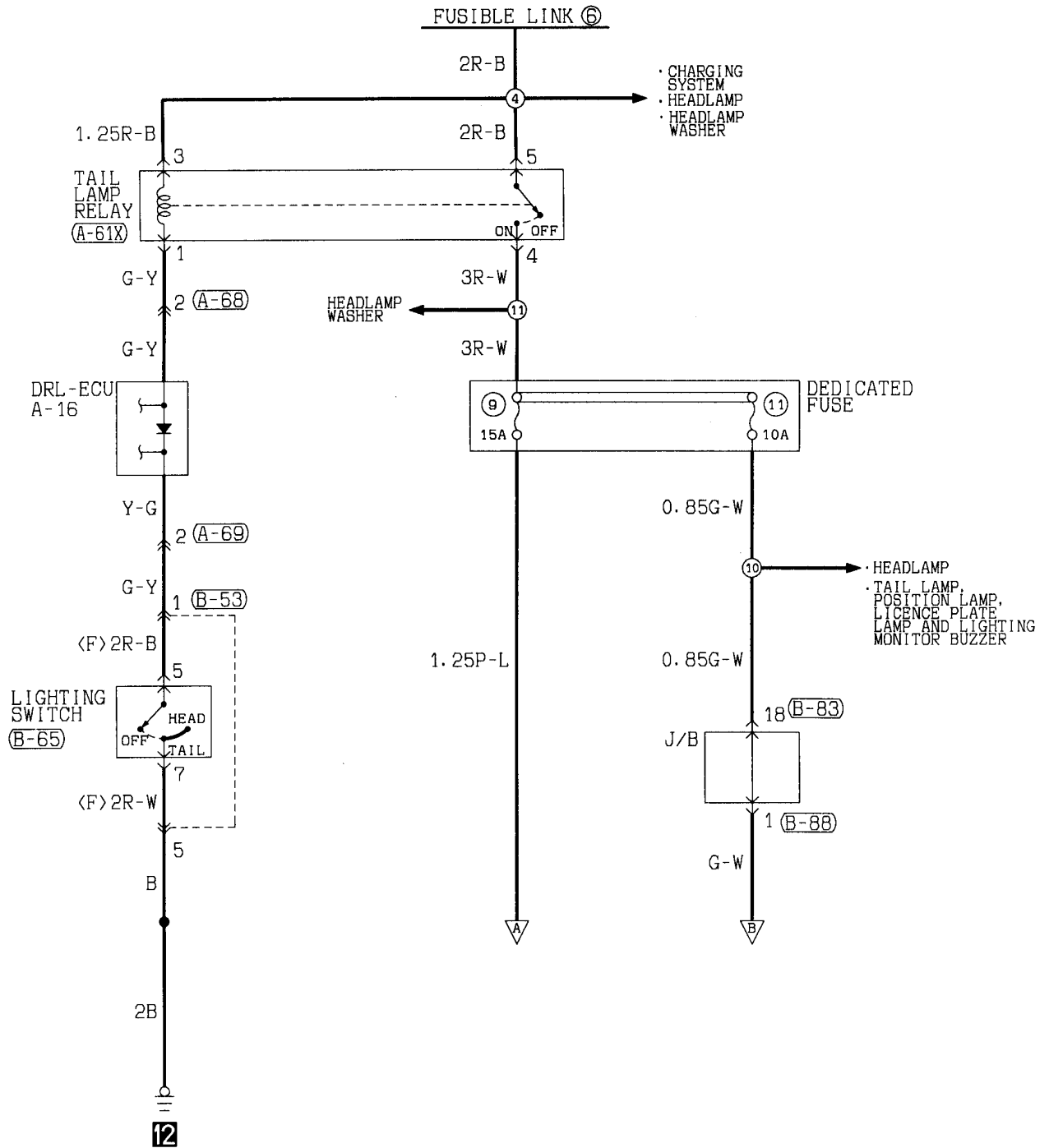
(B-88)

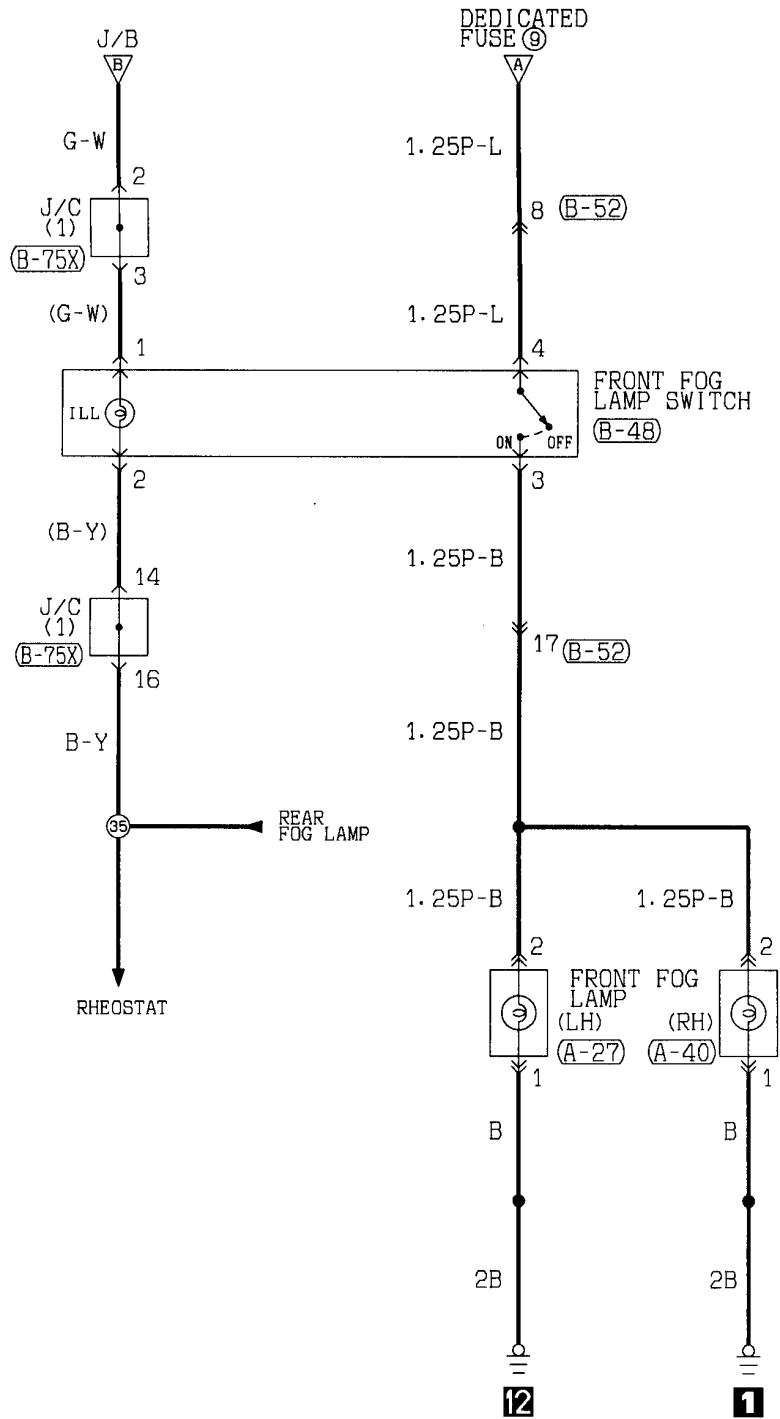
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

FRONT FOG LAMP

90101190136

Vehicles with daytime running lamp





(B-83)

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

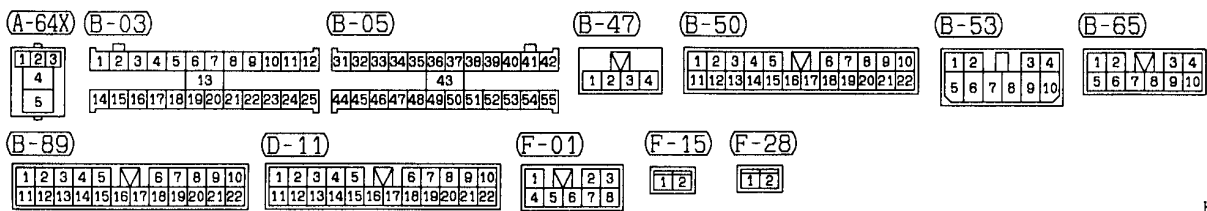
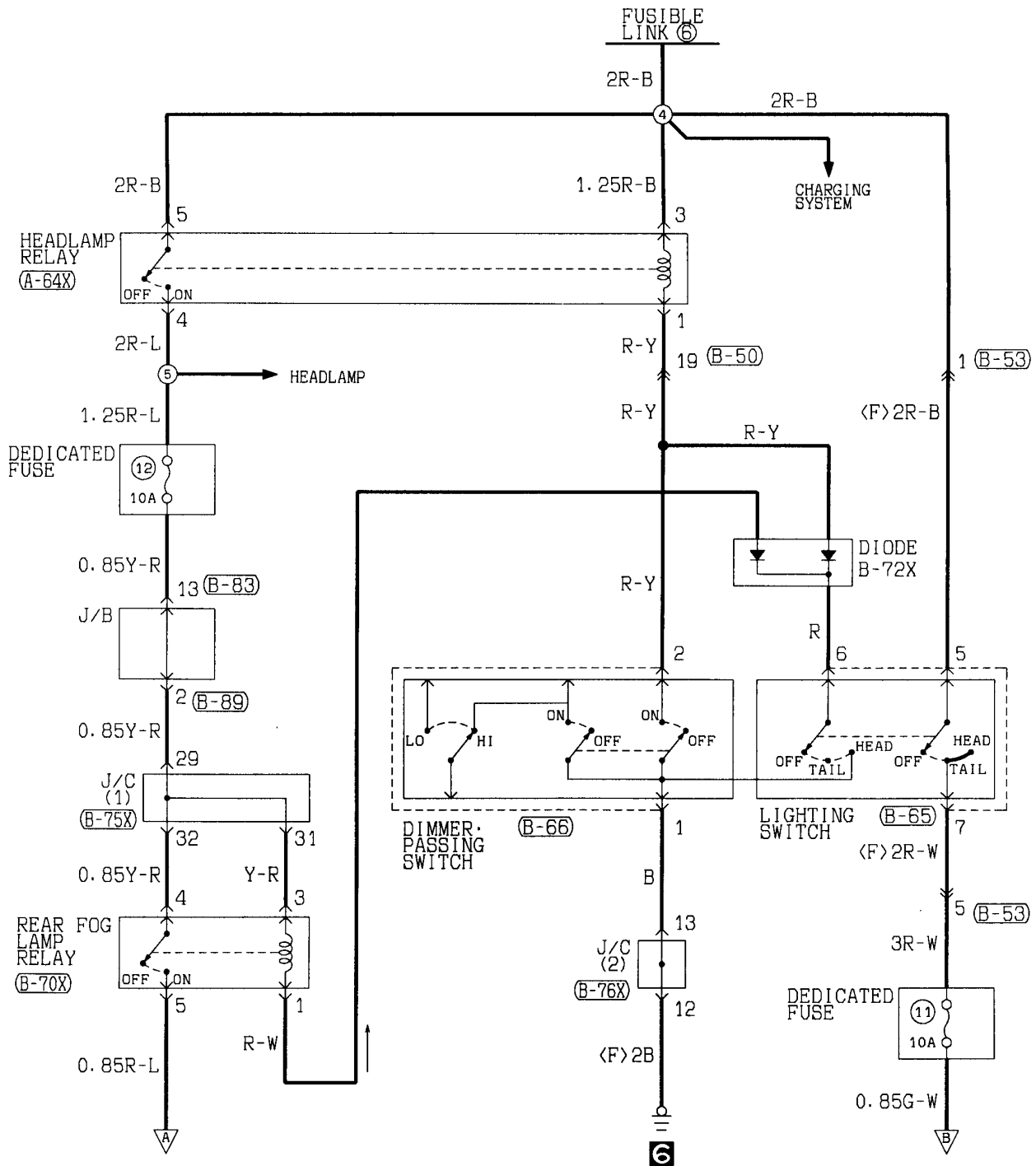
(B-88)

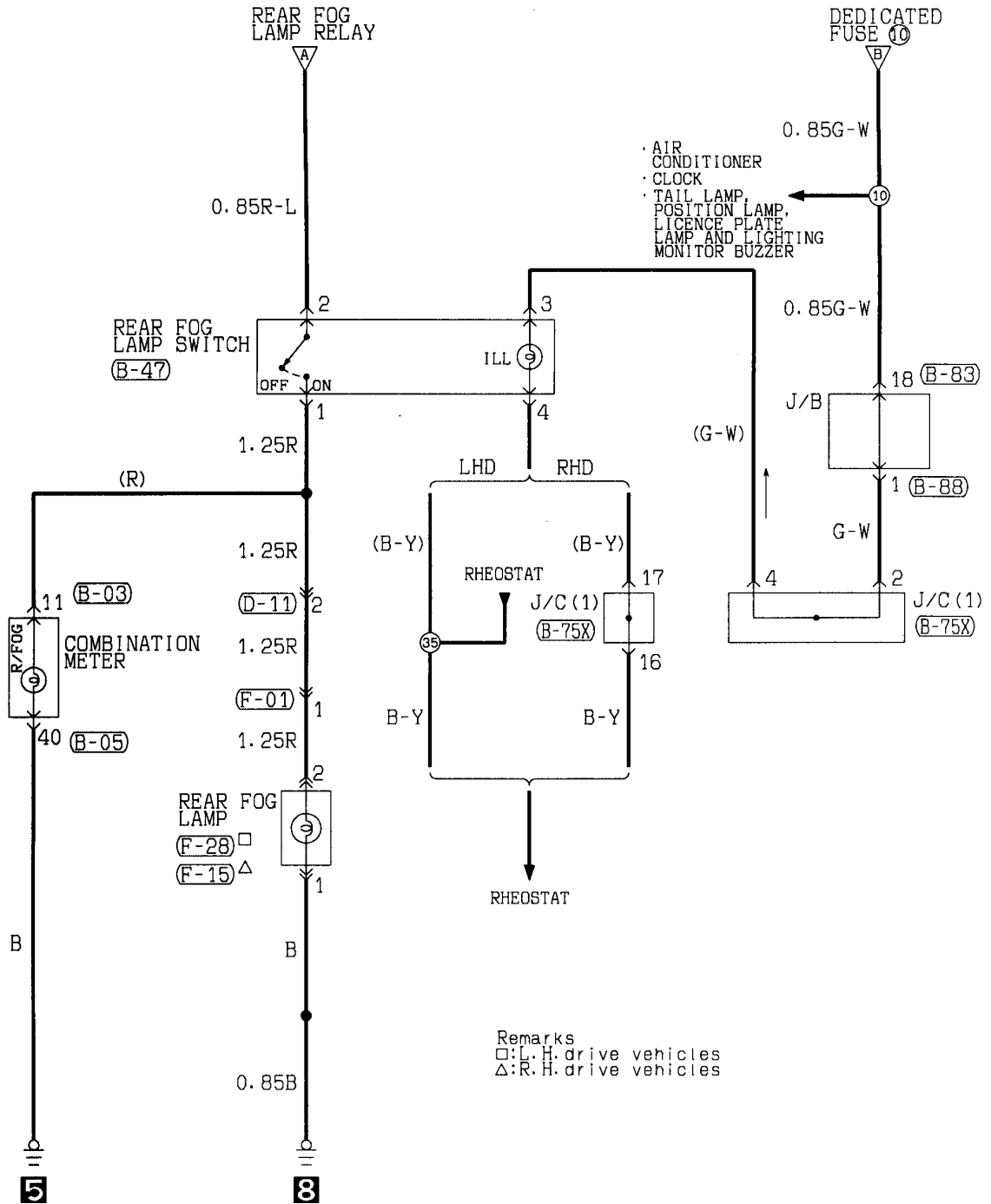
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

REAR FOG LAMP

90101200150

Vehicles without daytime running lamp.





(B-66)

1	2
3	4
5	6

(B-70X)

1	2	3
4		
5		

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-88)

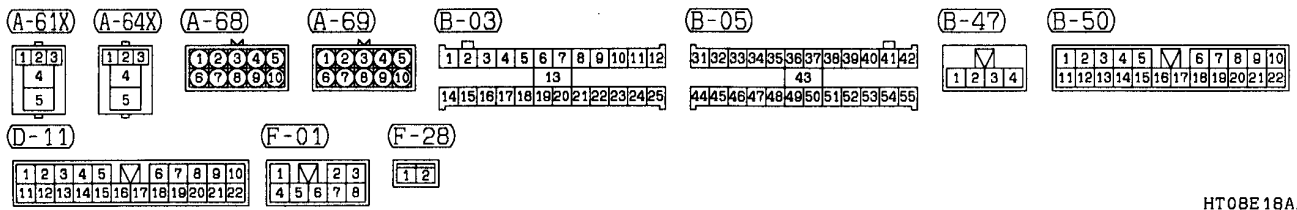
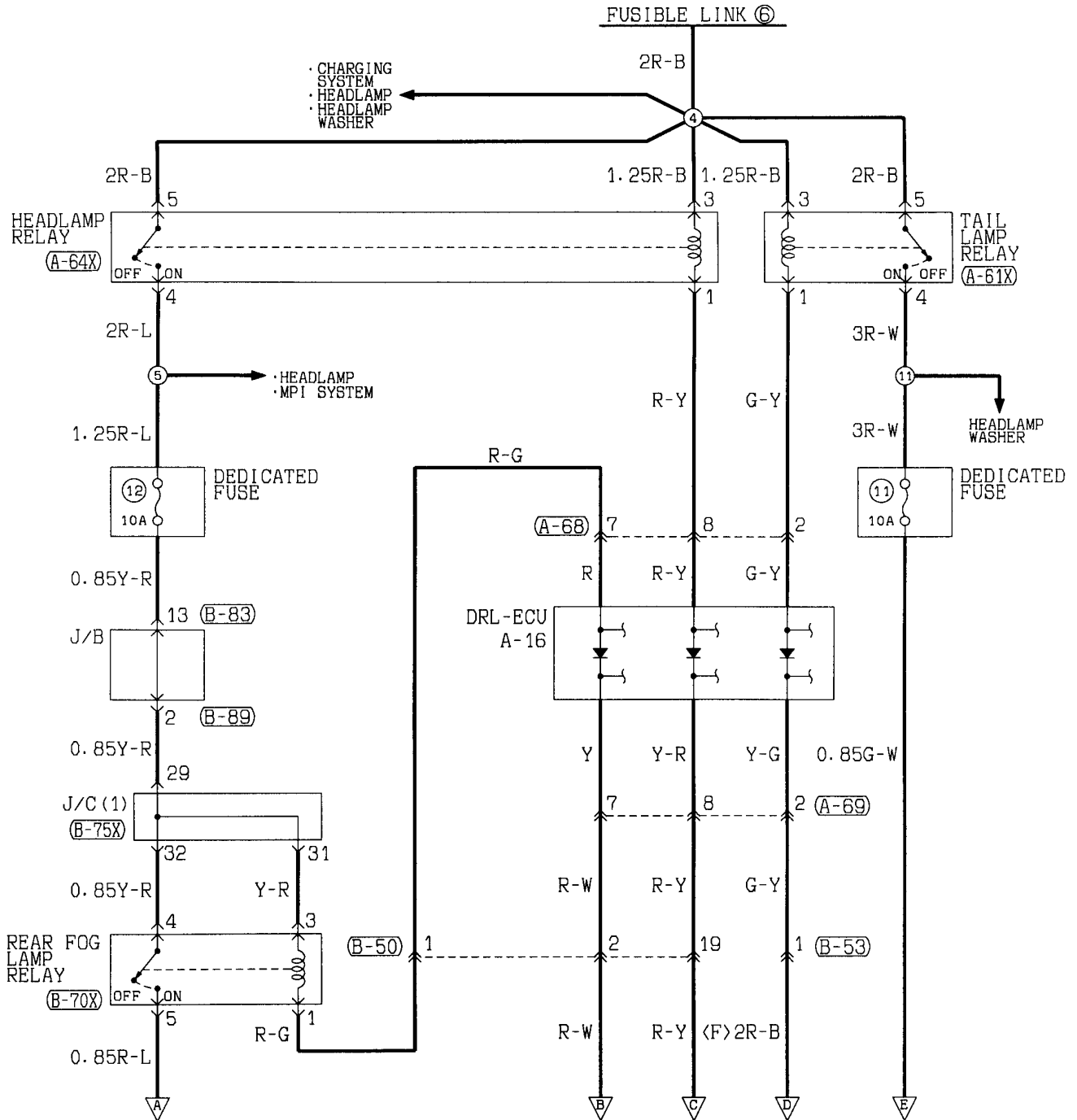
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

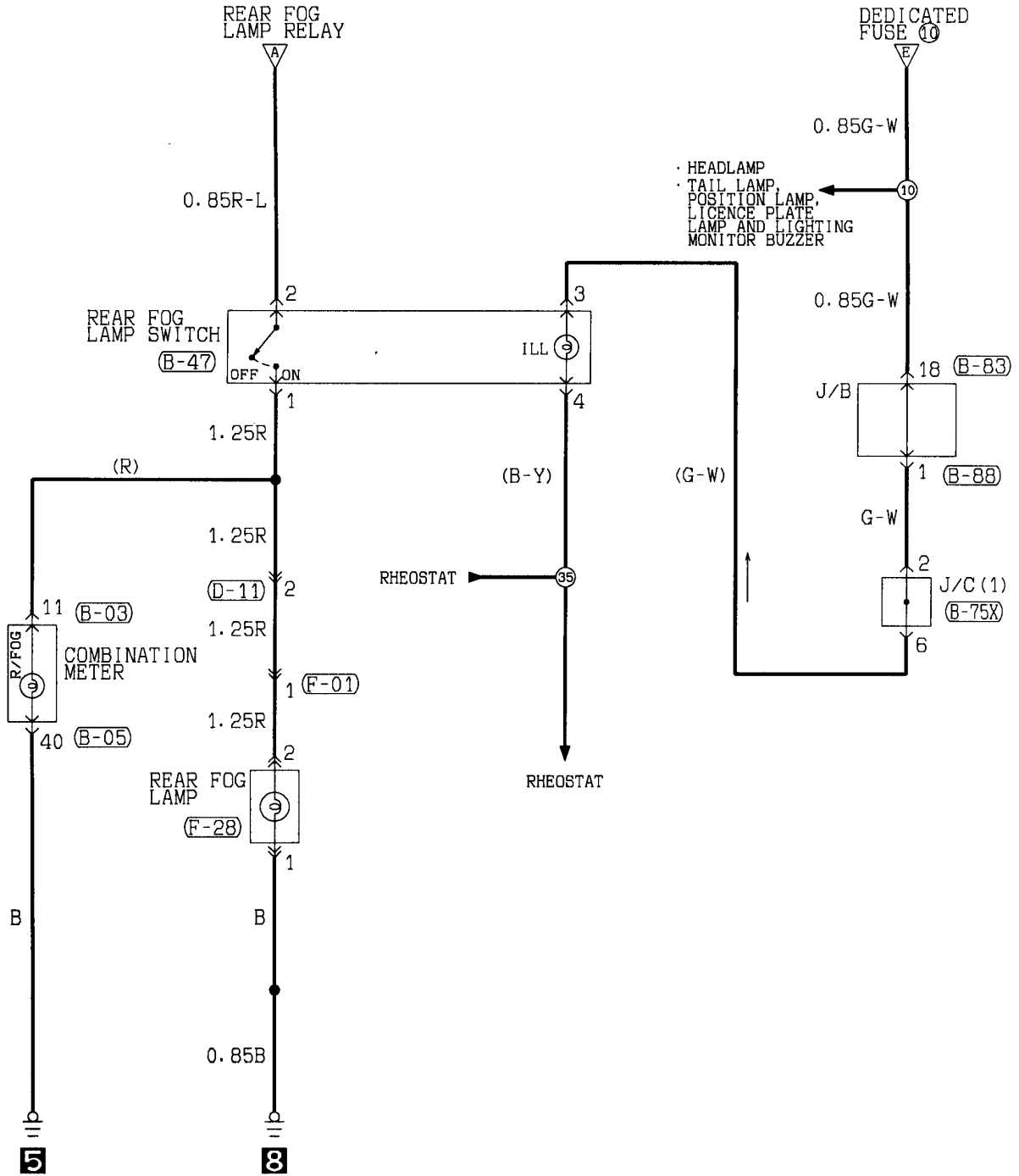


# REAR FOG LAMP

90101200167

### Vehicles with daytime running lamp





(B-53)

1	2	3	4
5	6	7	8
9	10		

(B-70X)

1	2	3
4		
5		

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

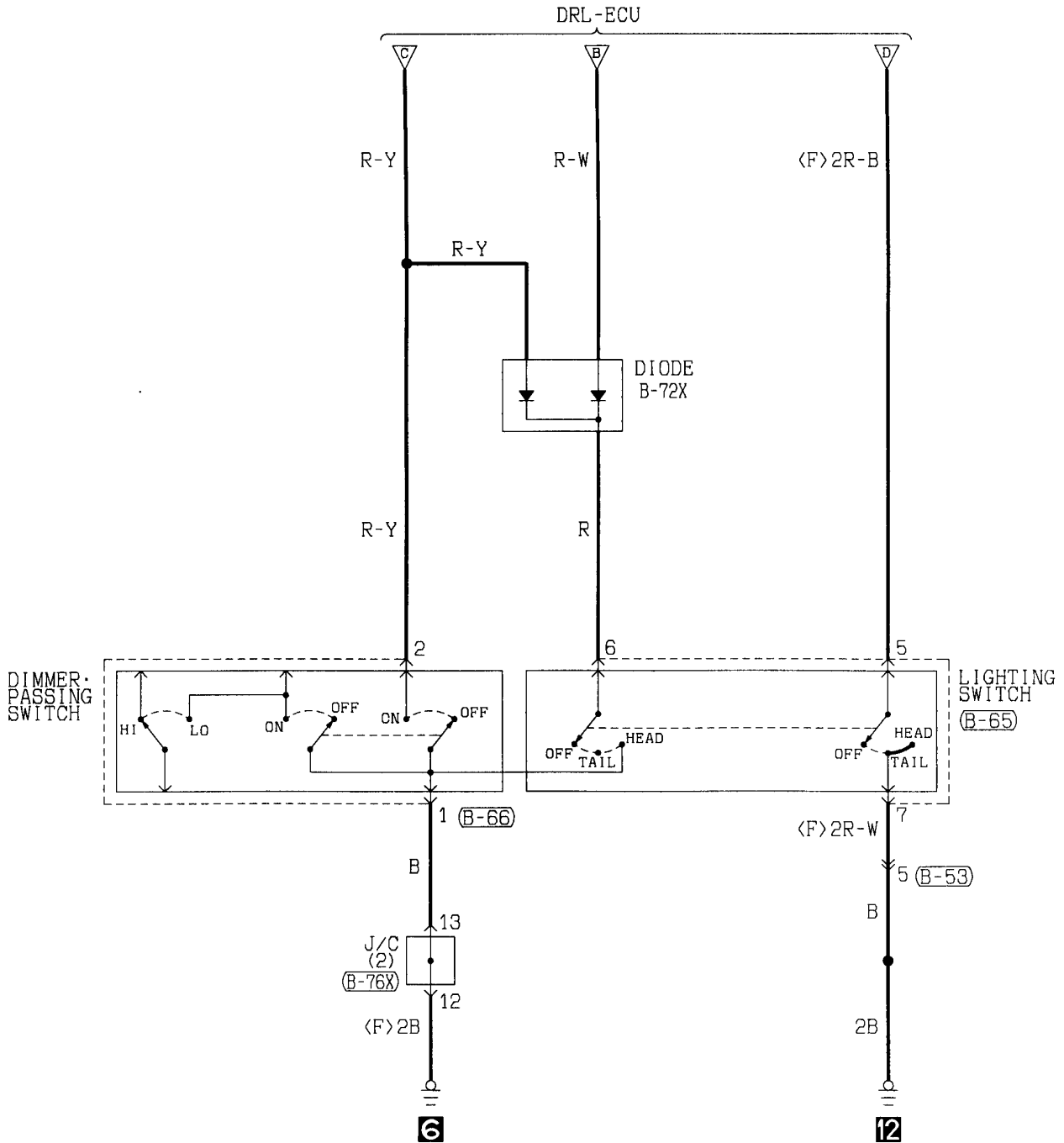
(B-88)

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

(B-89)

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

REAR FOG LAMP <Vehicles with daytime running lamp> (CONTINUED)



(B-53)

1	2		3	4
5	6	7	8	9
10				

(B-65)

1	2	3	4
5	6	7	8
9	10		

(B-66)

1	2
3	4
5	6

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

**REAR FOG LAMP (See P. 4-90, 92.)**

**OPERATION**

Rear Fog Lamp Relay ON Conditions

**<Vehicles without daytime running lamp>**

Refer to the table I.

**<Vehicles with daytime running lamp>**

Refer to the table II.

- Placing the lighting switch in the "HEAD" position causes the rear fog lamp relay to be energized.  
For vehicles with daytime running lamps, if the ignition switch is in the "ON" position, and the lighting switch is in the "OFF" position, the rear fog lamp relay will be energized.
- When the rear fog lamp switch is turned "ON" in this condition, the rear fog lamp goes on.

**TROUBLESHOOTING HINTS**

1. The rear fog lamp doesn't illuminate.
  - 1) Headlamps go on.
    - Check the rear fog lamp relay.
    - Check the rear fog lamp switch.
    - Check the dedicated fuse No. (12).
  - 1) Headlamps do not go on, either.
    - Check the lighting switch.
    - Check the fusible link No. (6).
2. The rear fog lamp at the one side doesn't illuminate.
  - Check the lamp bulb.

**I**

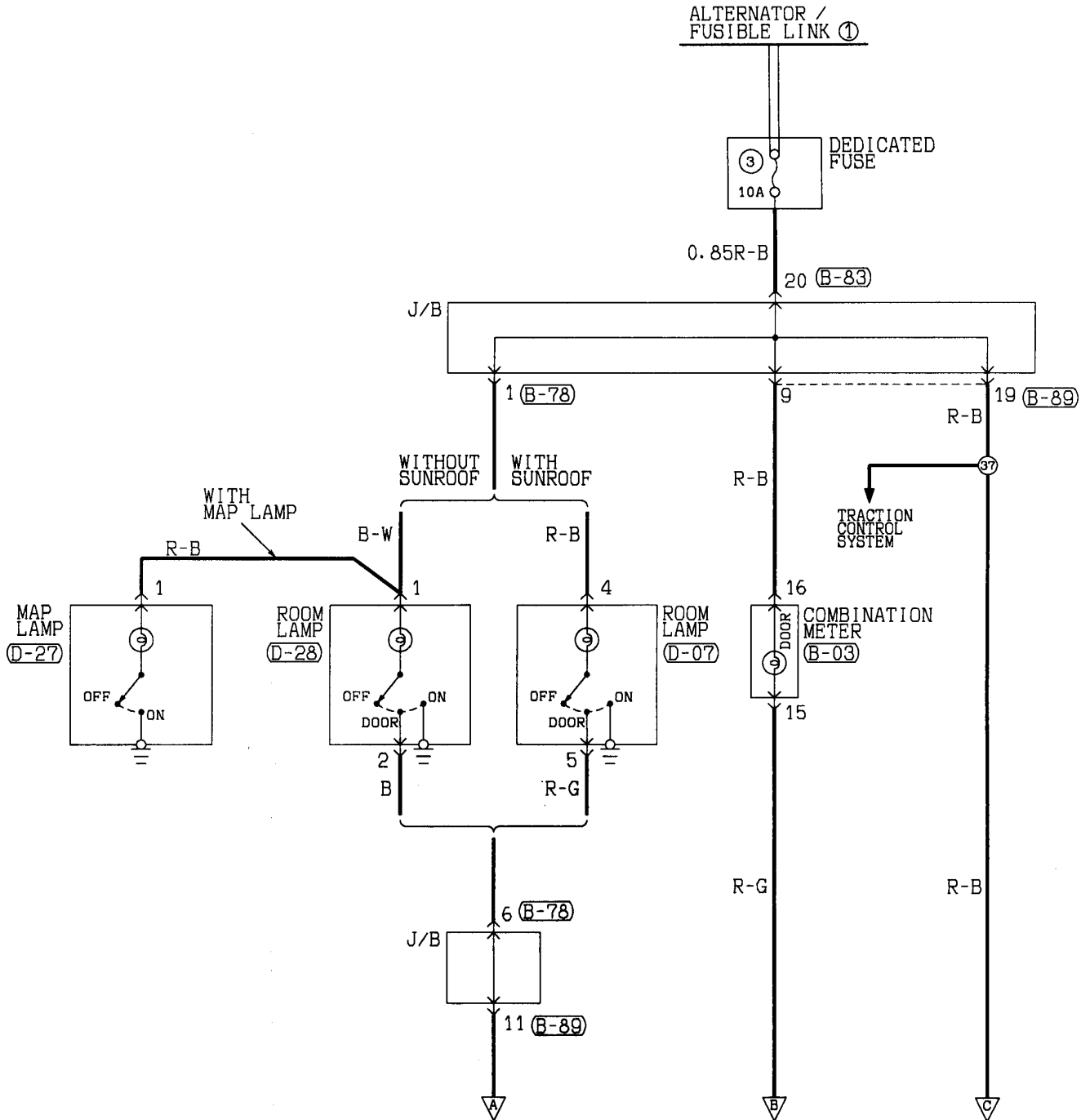
Ignition switch	Lighting switch	Rear fog lamp relay
—	"HEAD"	ON

**II**

Ignition switch	Lighting switch	Rear fog lamp relay
—	"HEAD"	ON
"ON"	"OFF" or "HEAD"	ON

ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP

90101320108



(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
								13			
14	15	16	17	18	19	20	21	22	23	24	25

(B-78)

1	2
3	4
5	6

(B-83)

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

(B-89)

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

(D-02)

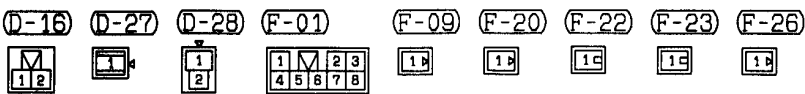
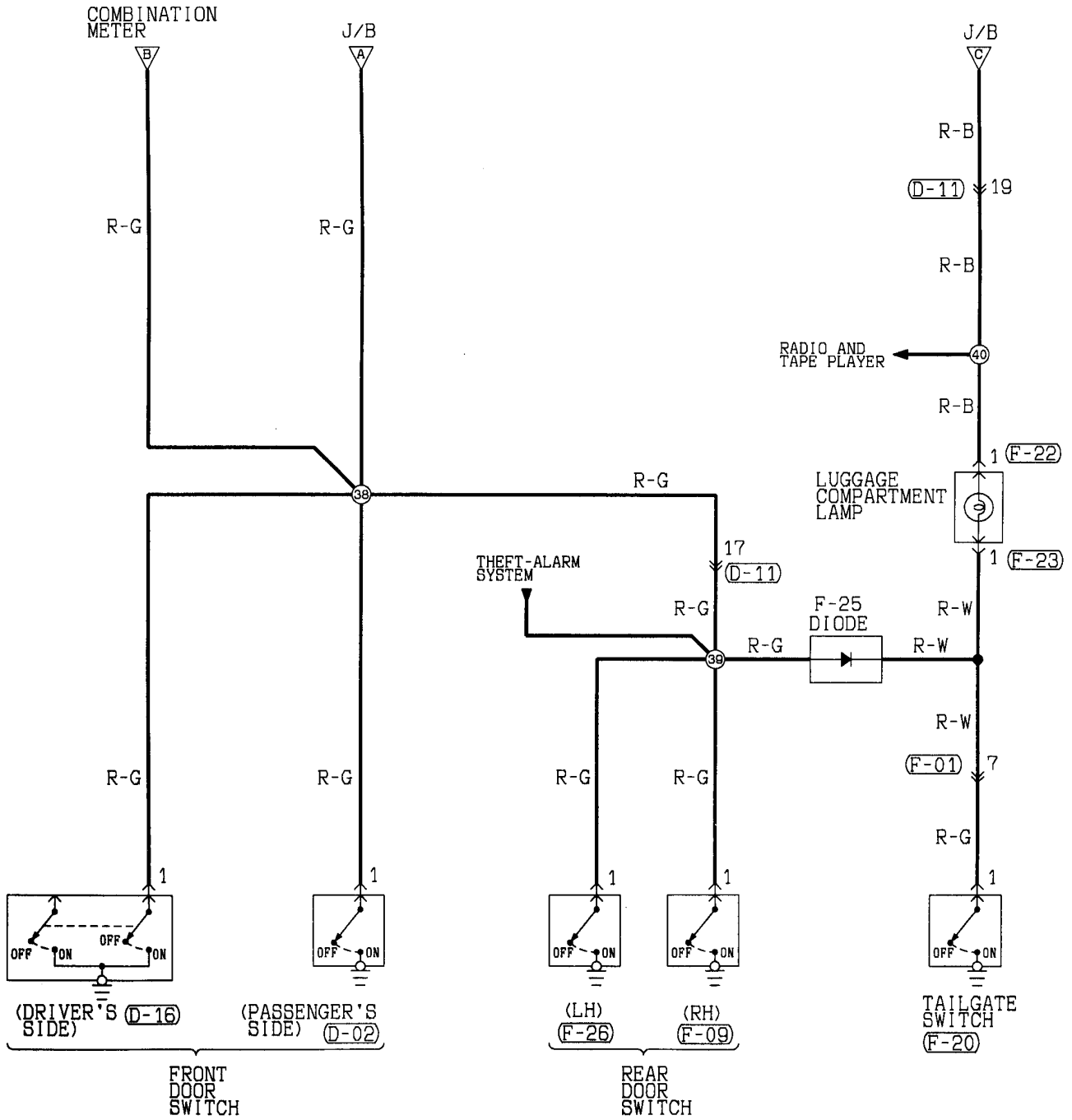
1
---

(D-07)

1	2	3
4	5	6
7	8	

(D-11)

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



**ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP (See P. 4-96.)****OPERATION****<Room lamp>**

- Placing the room lamp switch in the ON position causes the room lamp to come on at all times.
- Opening any one of the doors with the room lamp switch in the DOOR position causes the room lamp to come on.
- Closing all doors causes the room lamp to go out.

**<Luggage compartment lamp>**

- Battery voltage is being applied at all times to the luggage compartment lamp through the dedicated fuse No. (3).
- Opening the tailgate turns ON the tailgate switch, causing the luggage compartment lamp to light up.

**TROUBLESHOOTING HINTS**

1. Room lamp does not come on.
  - 1) Clock is not operating, either.
    - Check dedicated fuse No. (3).
  - 2) Room lamp does not come on when any door is opened with the room lamp switch in the DOOR position.
    - Check bulb.
    - Check room lamp switch.
  - 3) Room lamp does not come on when a door is opened with the room lamp switch in the DOOR position.
    - Check door switch (of the suspected door).
2. Luggage compartment lamp does not come on.
  - 1) Room lamp is normal.
    - Check bulb.
    - Check tailgate switch.

**TURN-SIGNAL LAMP AND HAZARD WARNING LAMP (See P. 4-100.)****OPERATION****<Turn-signal lamp>****1. In standard operating condition**

- When the ignition switch is placed in the ON position, battery voltage is applied through the hazard warning switch to the turn-signal and hazard warning flasher unit.
- When the turn signal switch is turned to the "LH" or "RH" position, the relay contact turns "ON" and "OFF" repeatedly due to the switching operation of the capacitor and transistor inside the flasher unit, and the turn signal lamp and the "LH" and "RH" of the turn signal indicator lamp flash.

**2. When one bulb is burnt**

- When either one of the turn signal lamp is burnt, the resistance of the entire lamp circuit increases, so that the time required for charging and discharging of the capacitor is shortened, causing the "ON" "OFF" cycle of the relay to become faster than standard and the number of flashes to increase.

**<Hazard warning lamp>**

- When the hazard warning switch is turned to the "ON" position, current flows via dedicated fuse No. (7) to the flasher unit, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

**Remark**

- The number of times the hazard warning lamps flash on and off does not change even when one bulb is out.

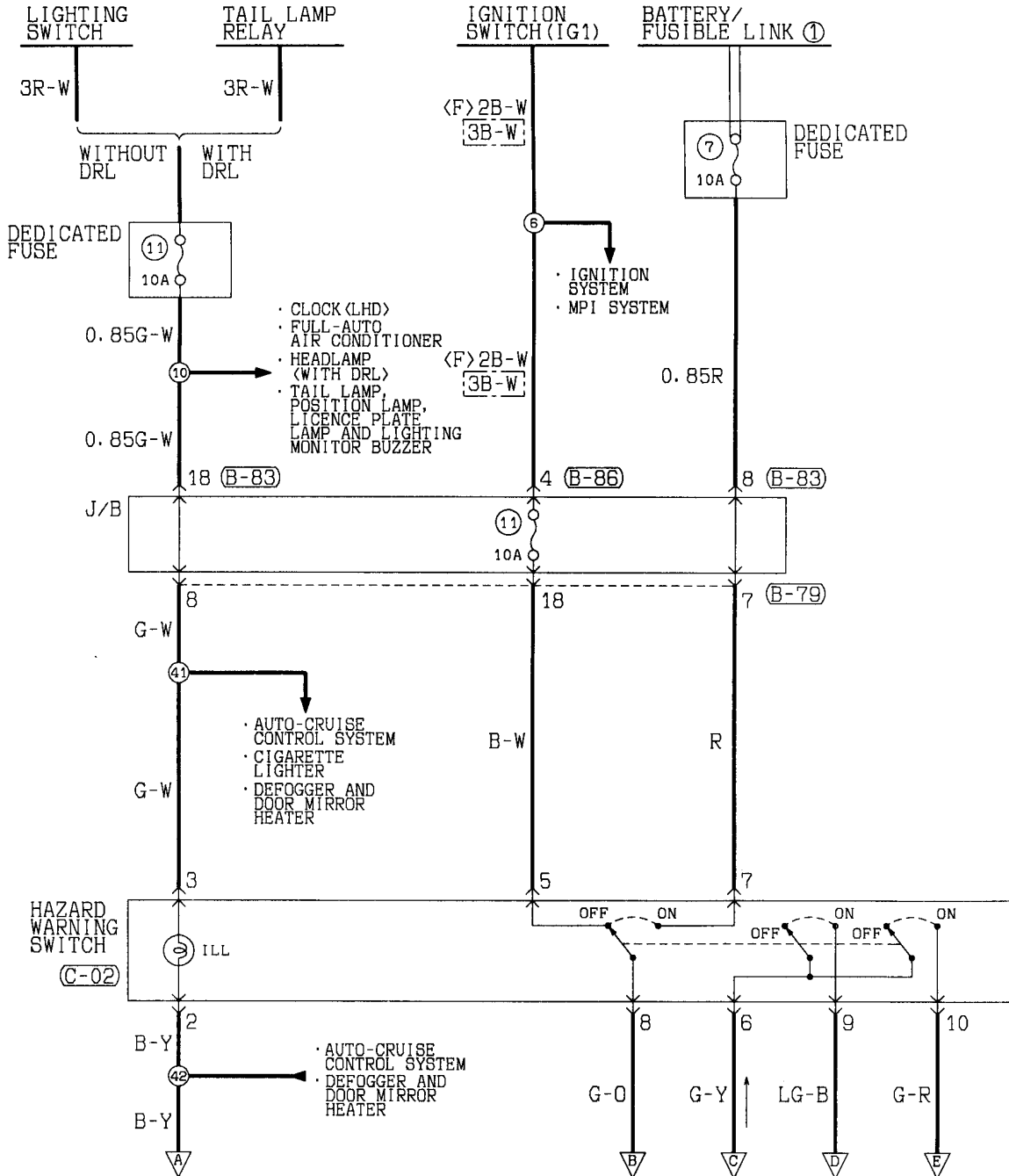
**TROUBLESHOOTING HINTS**

1. Neither the turn-signal lamp nor hazard warning lamps operate.
  - Check hazard warning switch contacts (on power source end).
  - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate.
  - (1) Hazard warning lamp is fully operational.
    - Check turn-signal switch.
3. Flashing cycle of turn signal lamps is shorter.
  - Check the lamp bulb.
  - Check flasher unit.
4. Hazard warning lamp does not operate.
  - (1) Turn-signal lamps are operational.
    - Check dedicated fuse No. (7).
    - Check hazard warning switch contacts (on hazard lamp end).



TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290196



Remark  
 [Dashed Line] indicates a running change. (New)

(B-46)

1	2	M	3	4	
5	6	7	8	9	10

(B-65)

1	2	M	3	4	
5	6	7	8	9	10

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-79)

1	2	3	4	M	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-82)

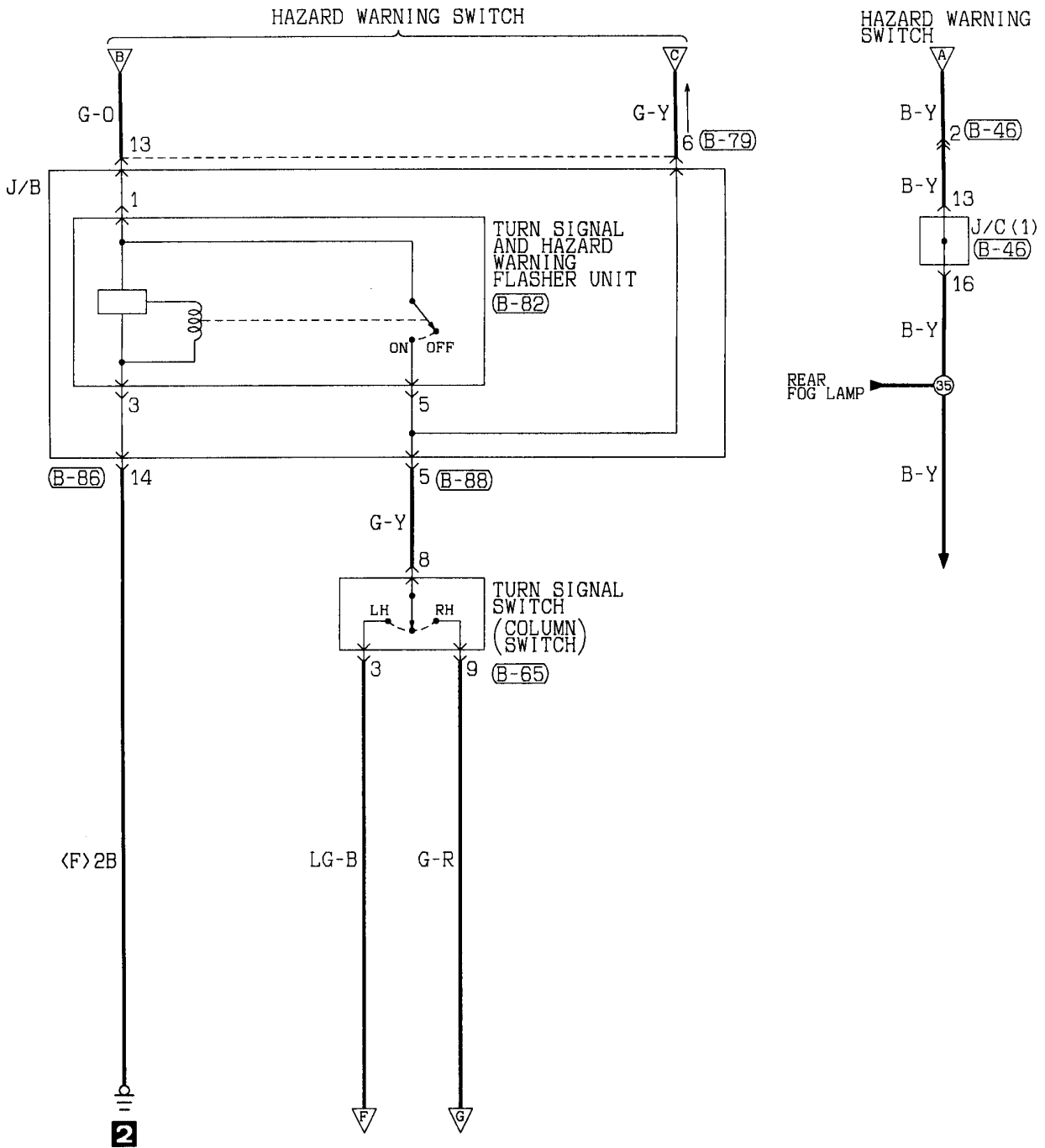
1	2	3
4	5	6

(B-83)

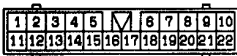
1	2	3	4	M	6	7	8	9		
10	11	12	13	14	15	16	17	18	19	20

(B-86)

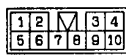
1	2	3	4	M	6	7	8		
9	10	11	12	13	14	15	16	17	18



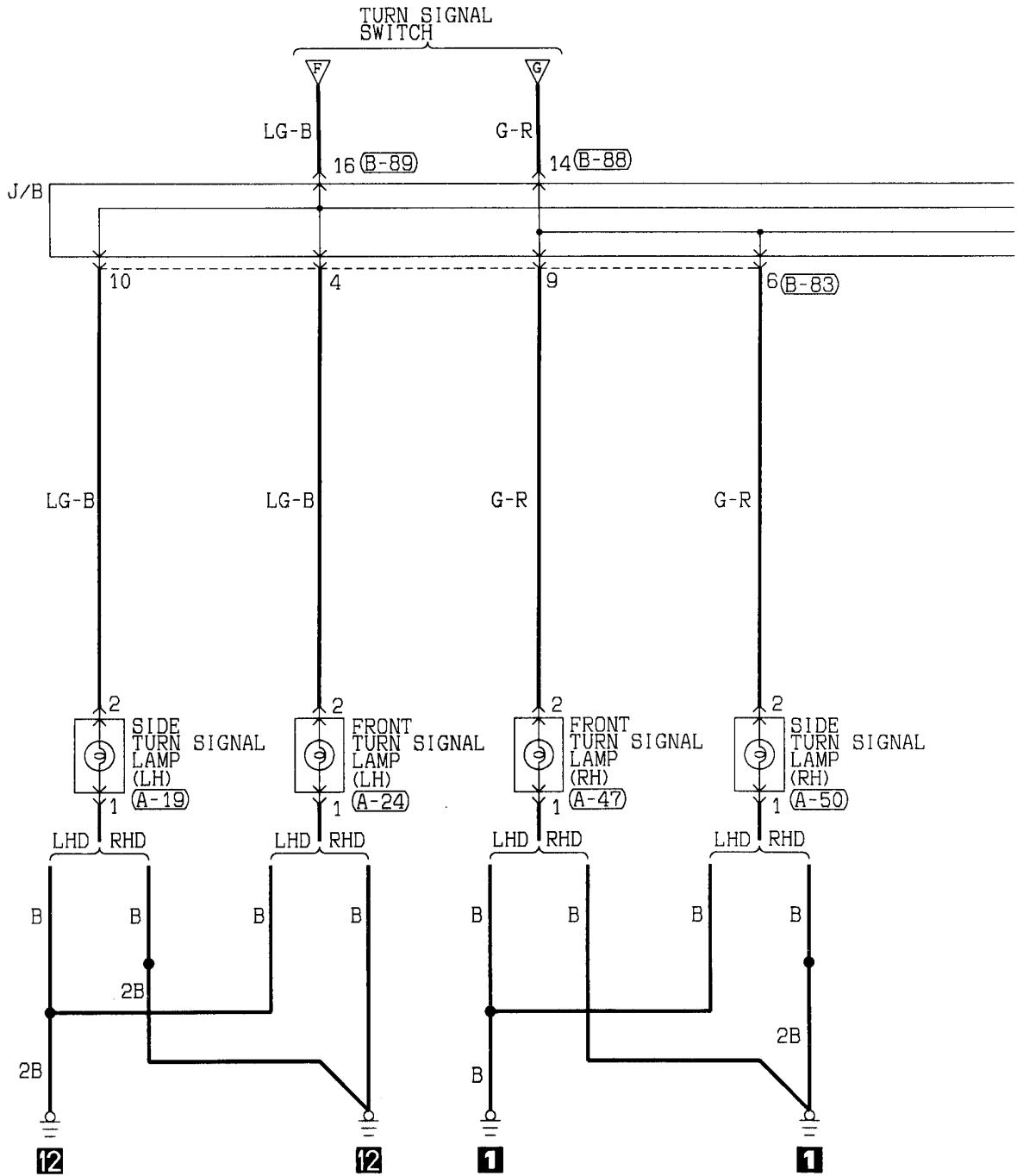
(B-88)



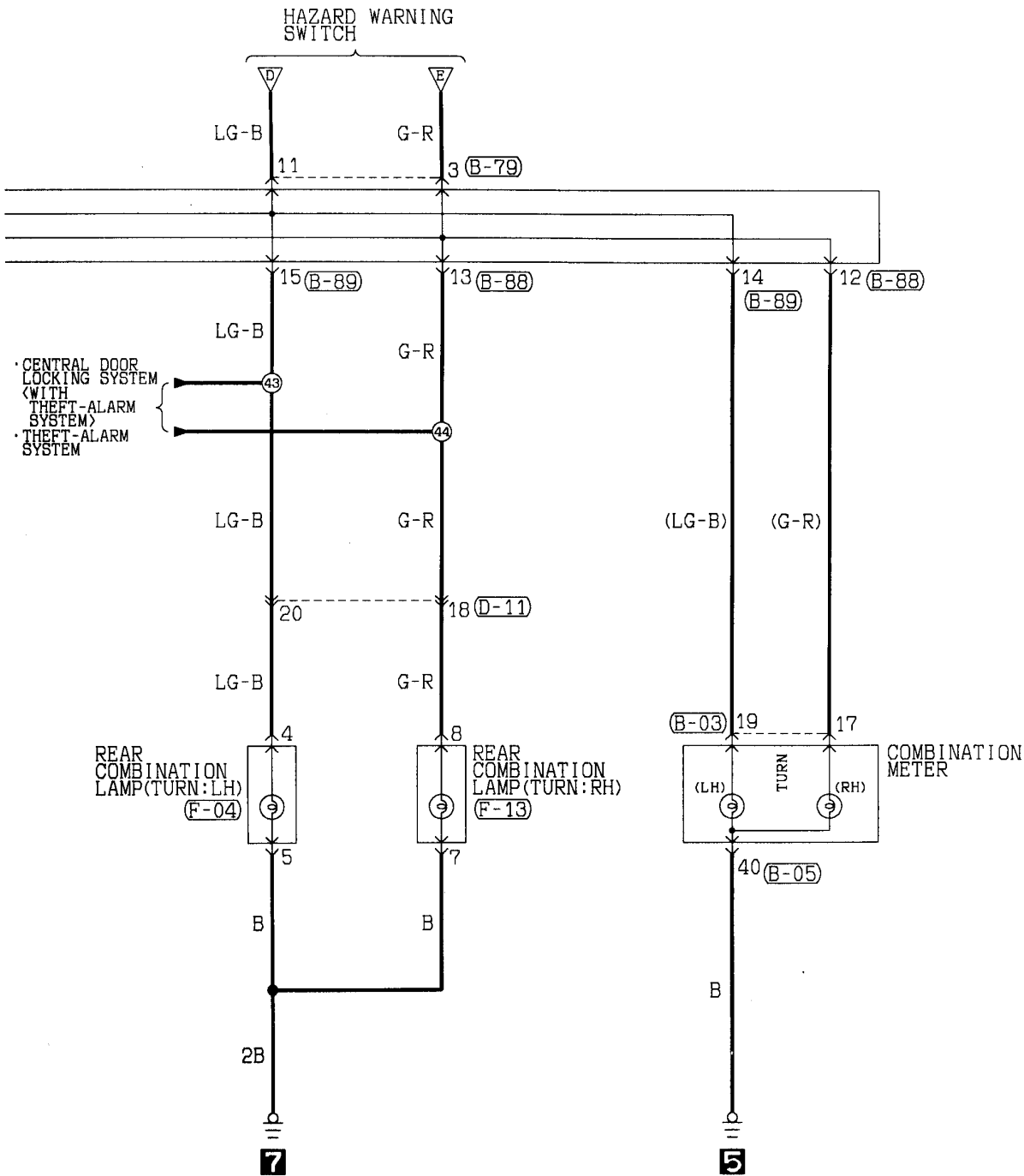
(C-02)



TURN-SIGNAL LAMP AND HAZARD WARNING LAMP (CONTINUED)



(A-19)	(A-24)	(A-47)	(A-50)	(B-03)	(B-05)	(B-79)	(B-83)
				1 2 3 4 5 6 7 8 9 10 11 12 13	31 32 33 34 35 36 37 38 39 40 41 42 43	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
				14 15 16 17 18 19 20 21 22 23 24 25	44 45 46 47 48 49 50 51 52 53 54 55		



(B-88)

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

(B-89)

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

(D-11)

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

(F-04)

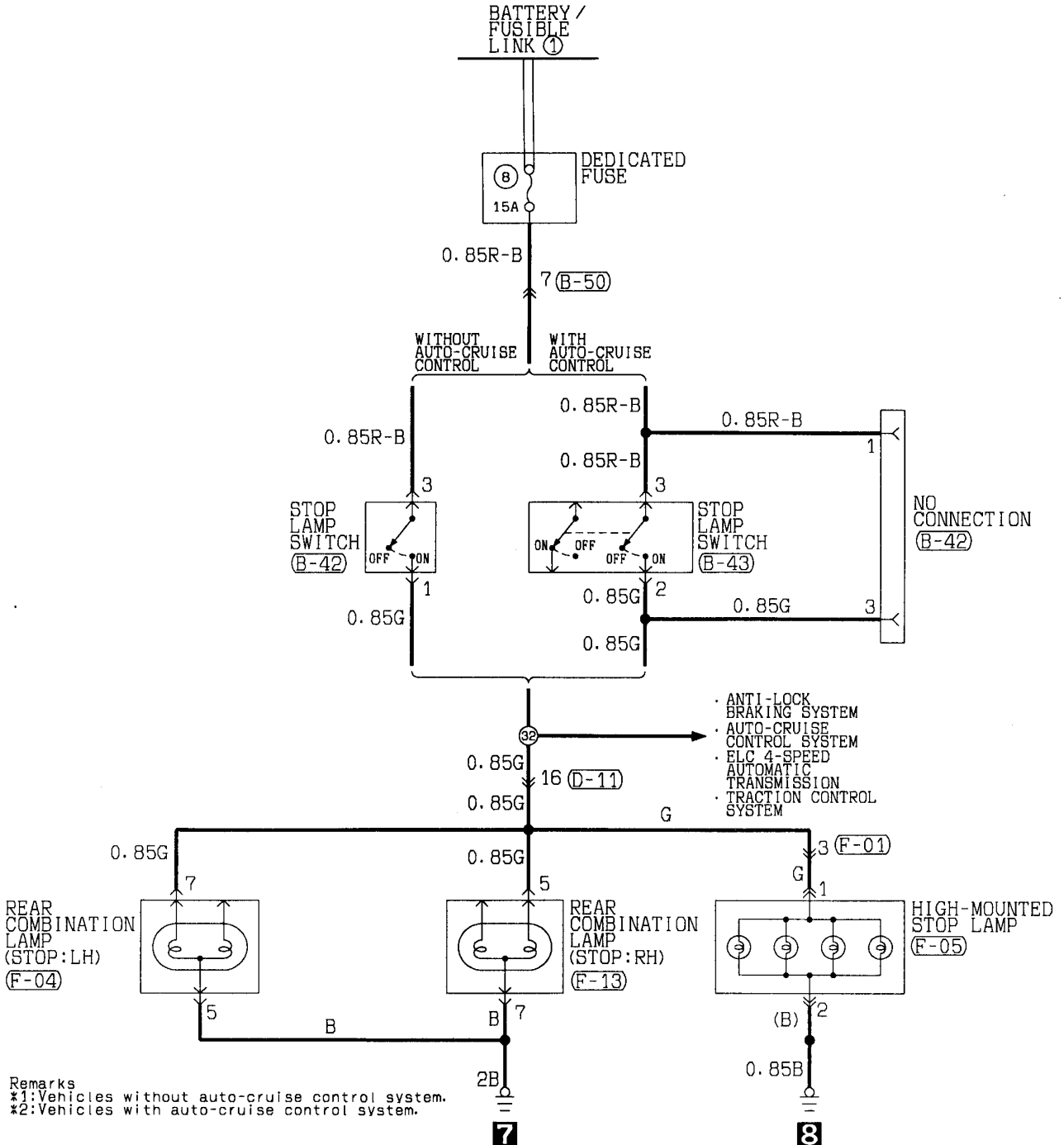
1	2	3		
4	5	6	7	8

(F-13)

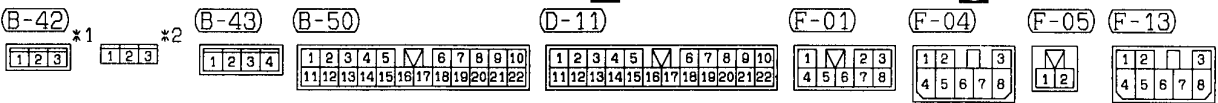
1	2	3		
4	5	6	7	8

STOP LAMP

90100300196

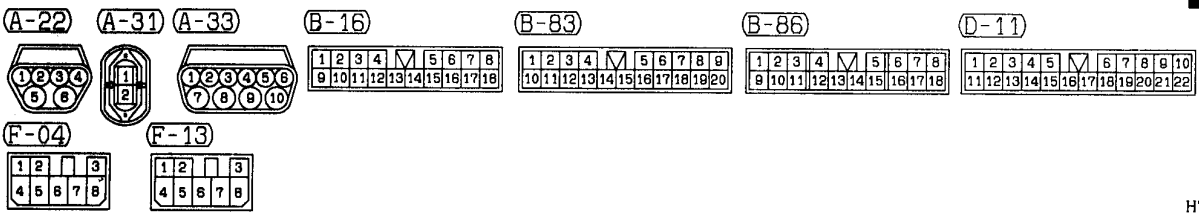
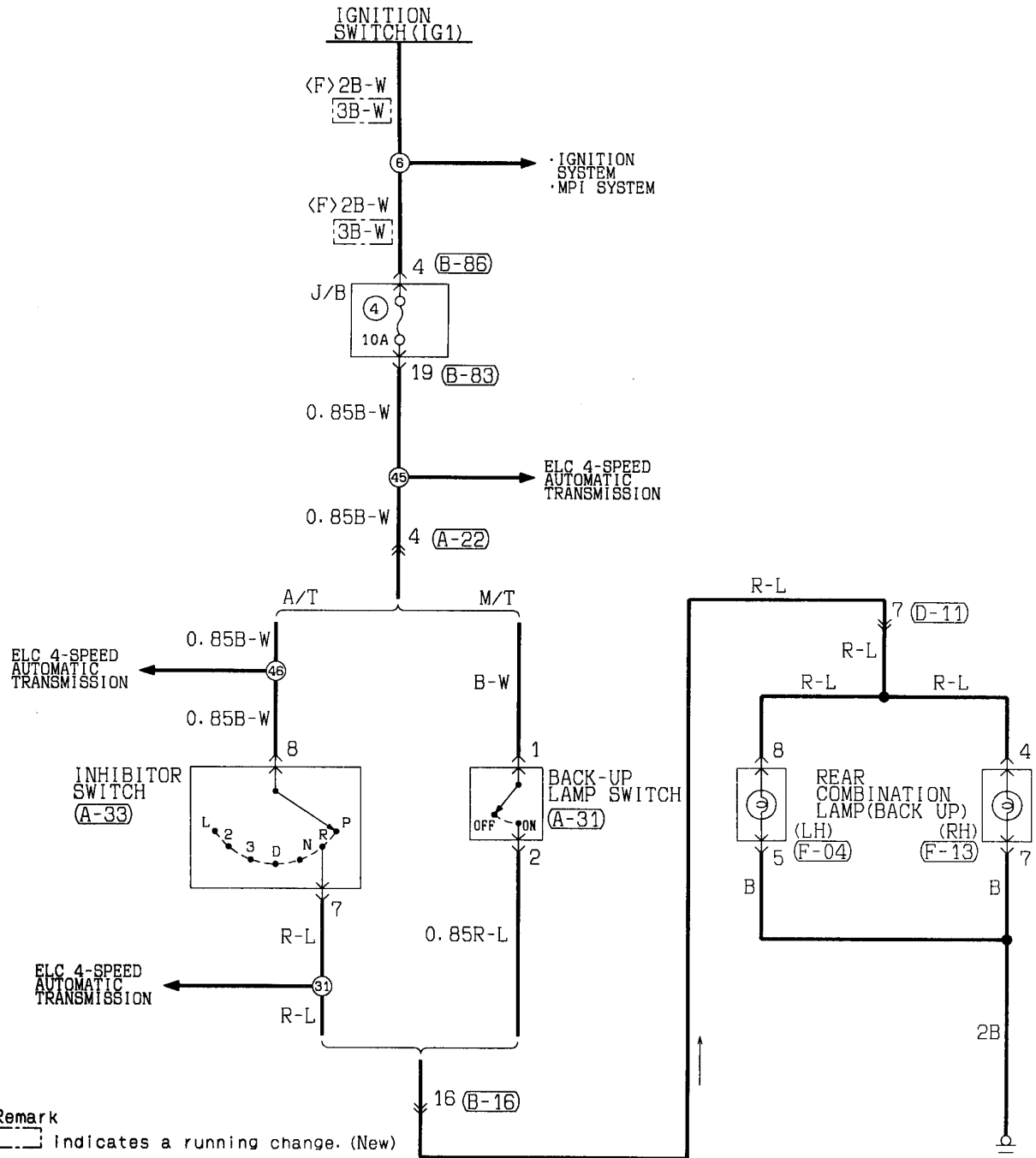


Remarks  
 \*1: Vehicles without auto-cruise control system.  
 \*2: Vehicles with auto-cruise control system.



BACK-UP LAMP

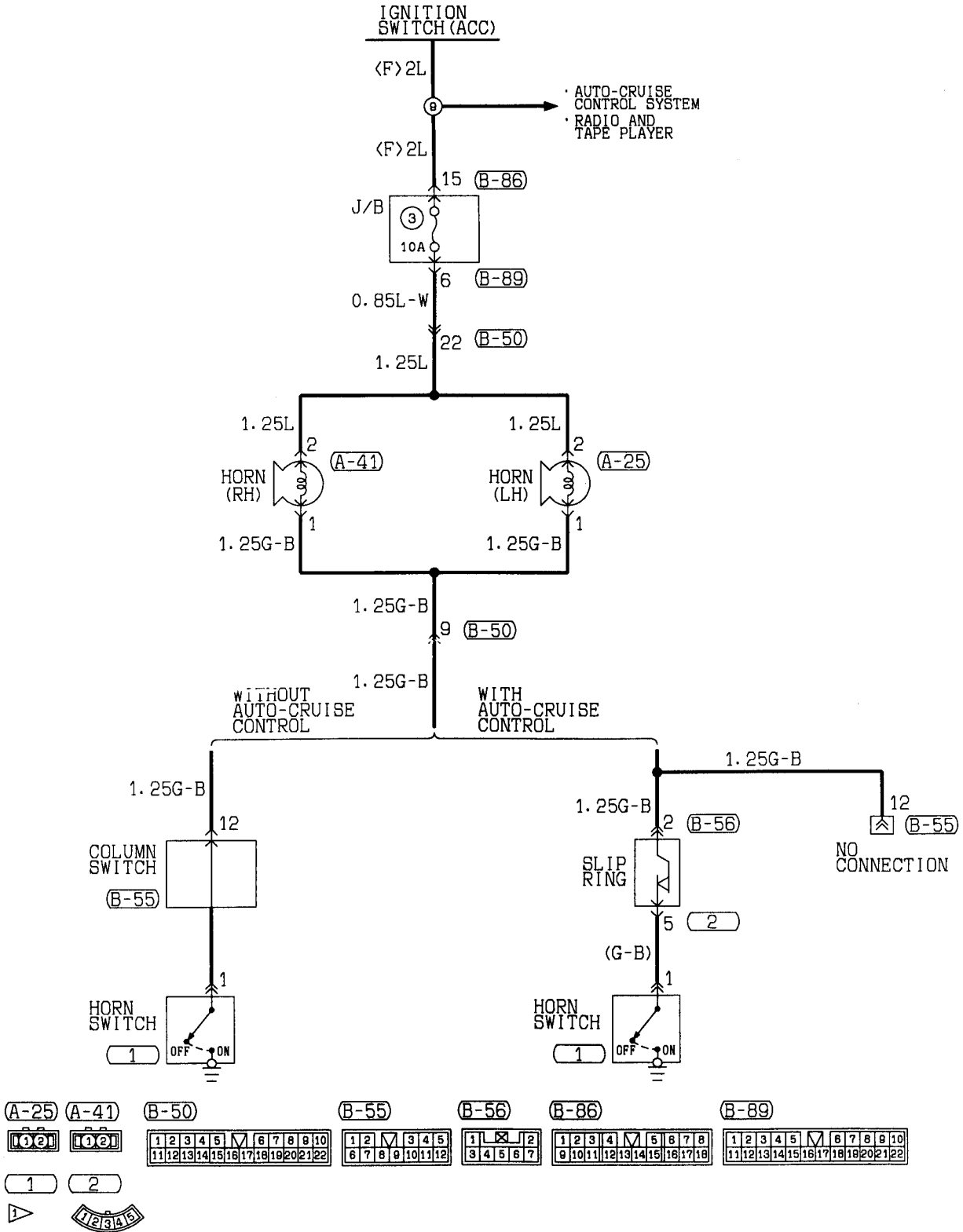
90100310205



HORN

90100330195

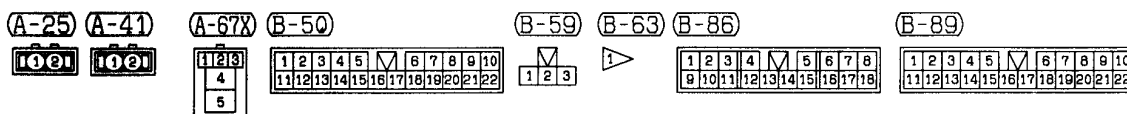
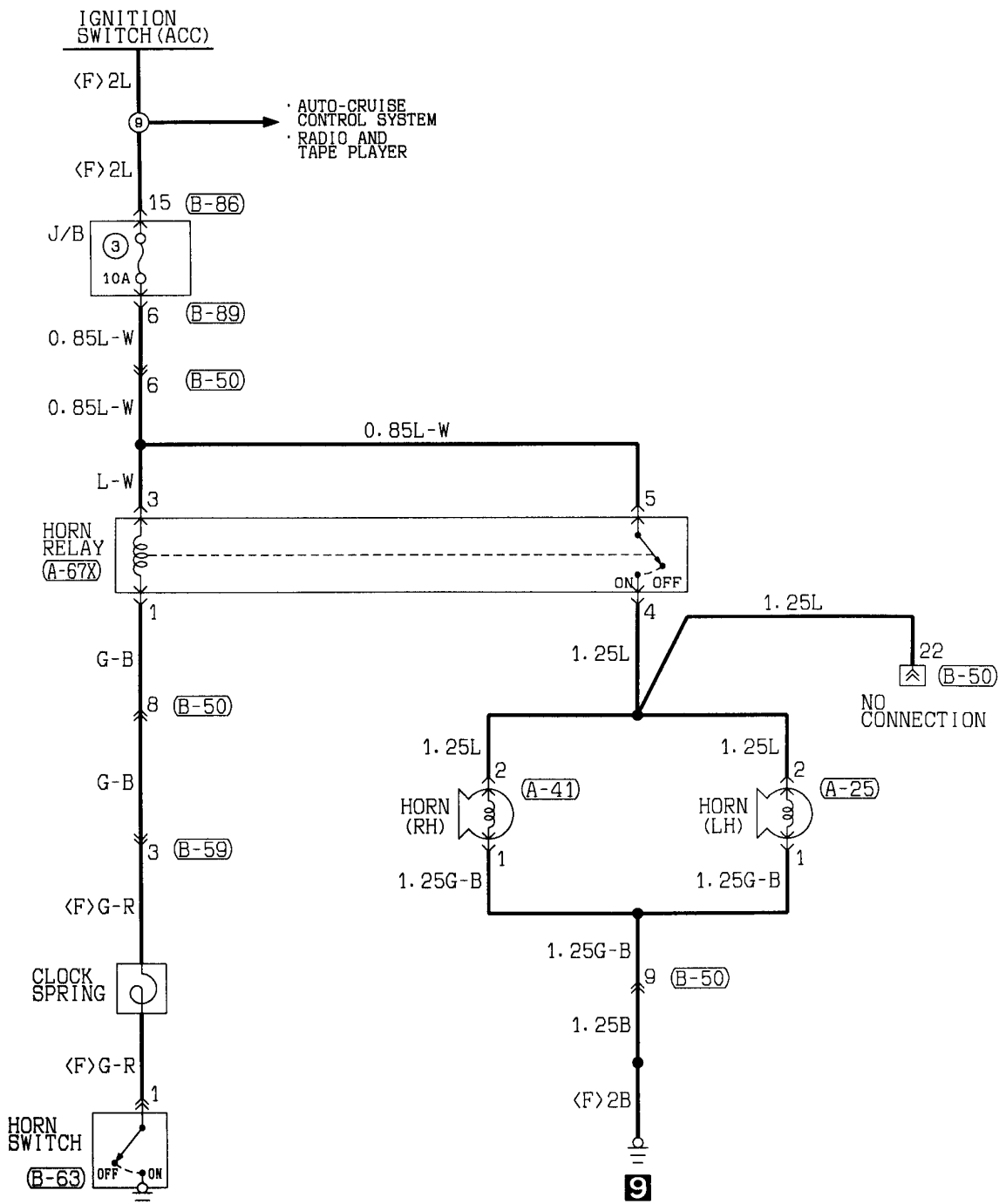
Vehicles without SRS



**HORN**

90100330201

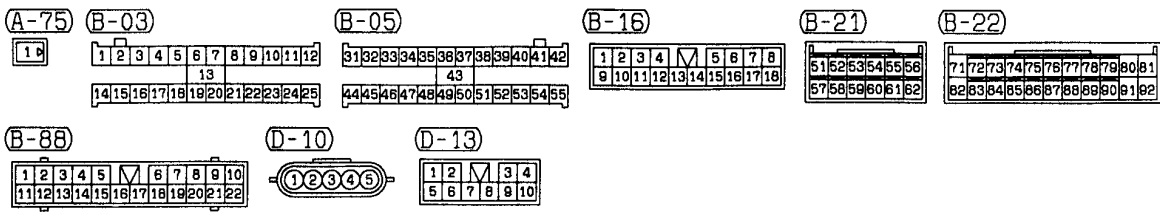
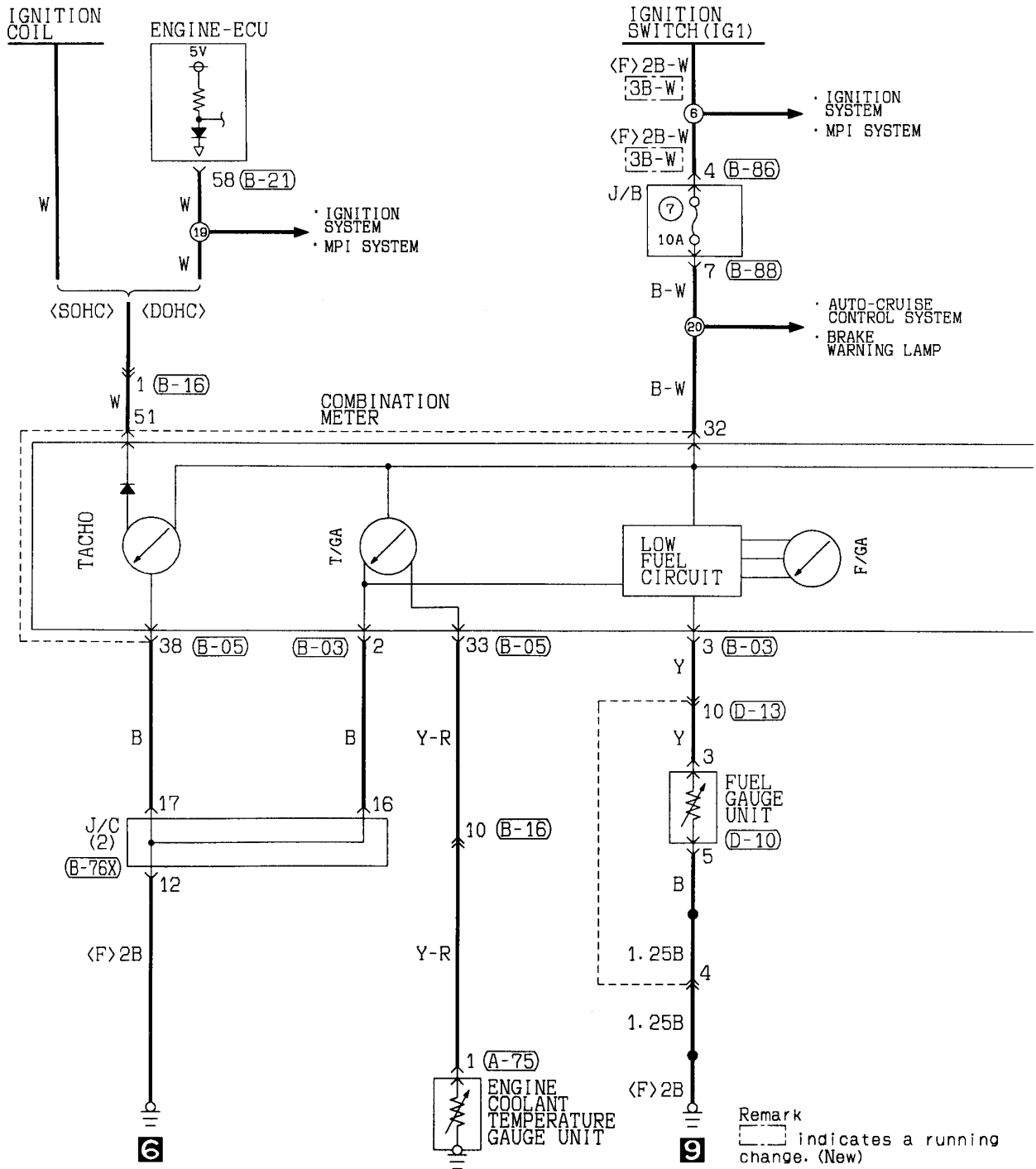
Vehicles with SRS

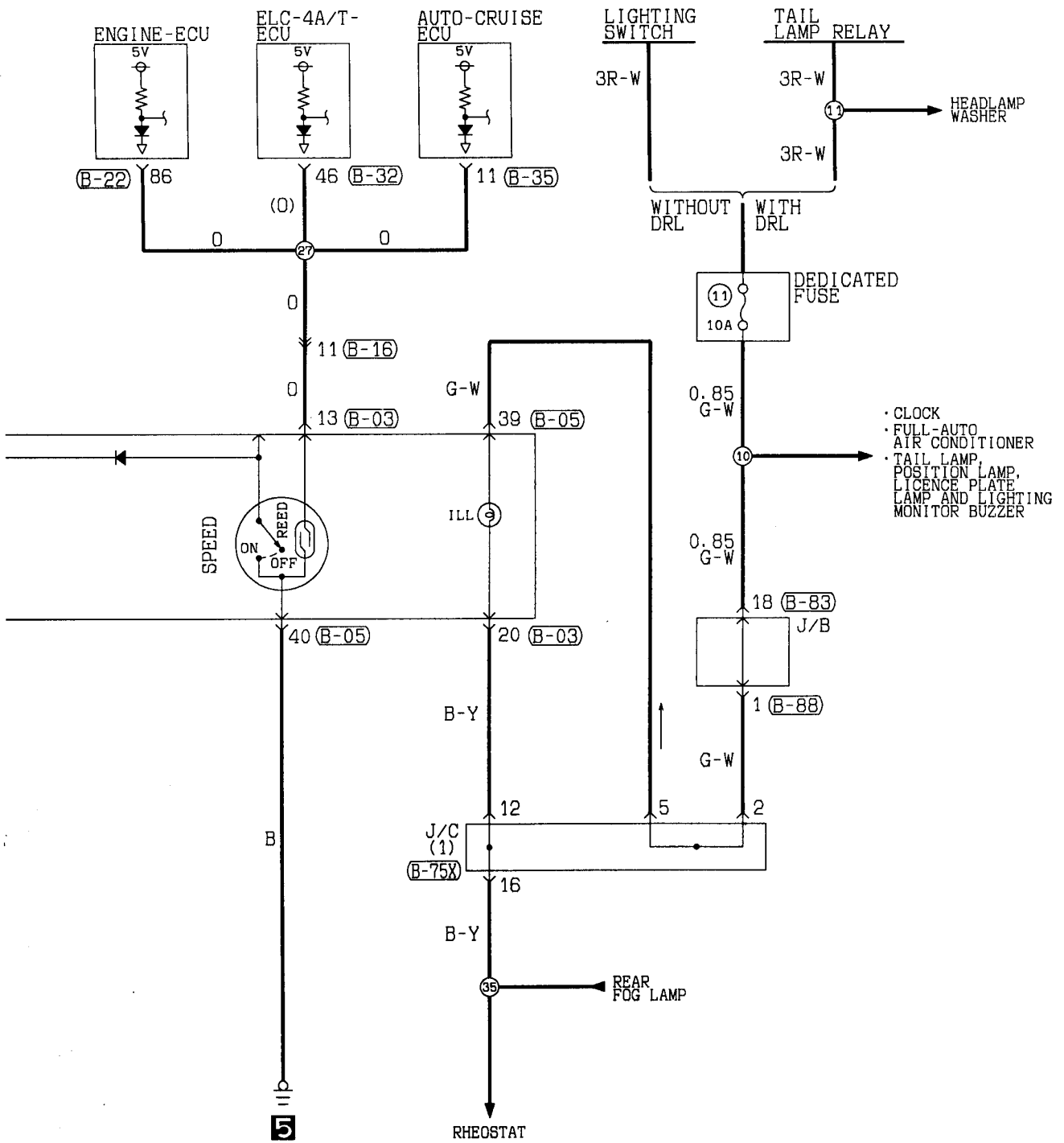




METER AND GAUGE

90100350245





(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-35)

1	2	3	4	A	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-86)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

**METER AND GAUGE (See P. 4-108.)****OPERATION****<Fuel gauge>**

- When the ignition switch is at the "ON" position, the fuel gauge is activated.
- When there is much fuel, the unit's resistance is small and the current flowing in the circuit is great, so the gauge's indicator indicates in the "Full" area.
- When there is little fuel, the unit's resistance is high and the current flowing in the circuit is small, so the gauge's indicator indicates in the "Empty" area.

**<Engine coolant temperature gauge>**

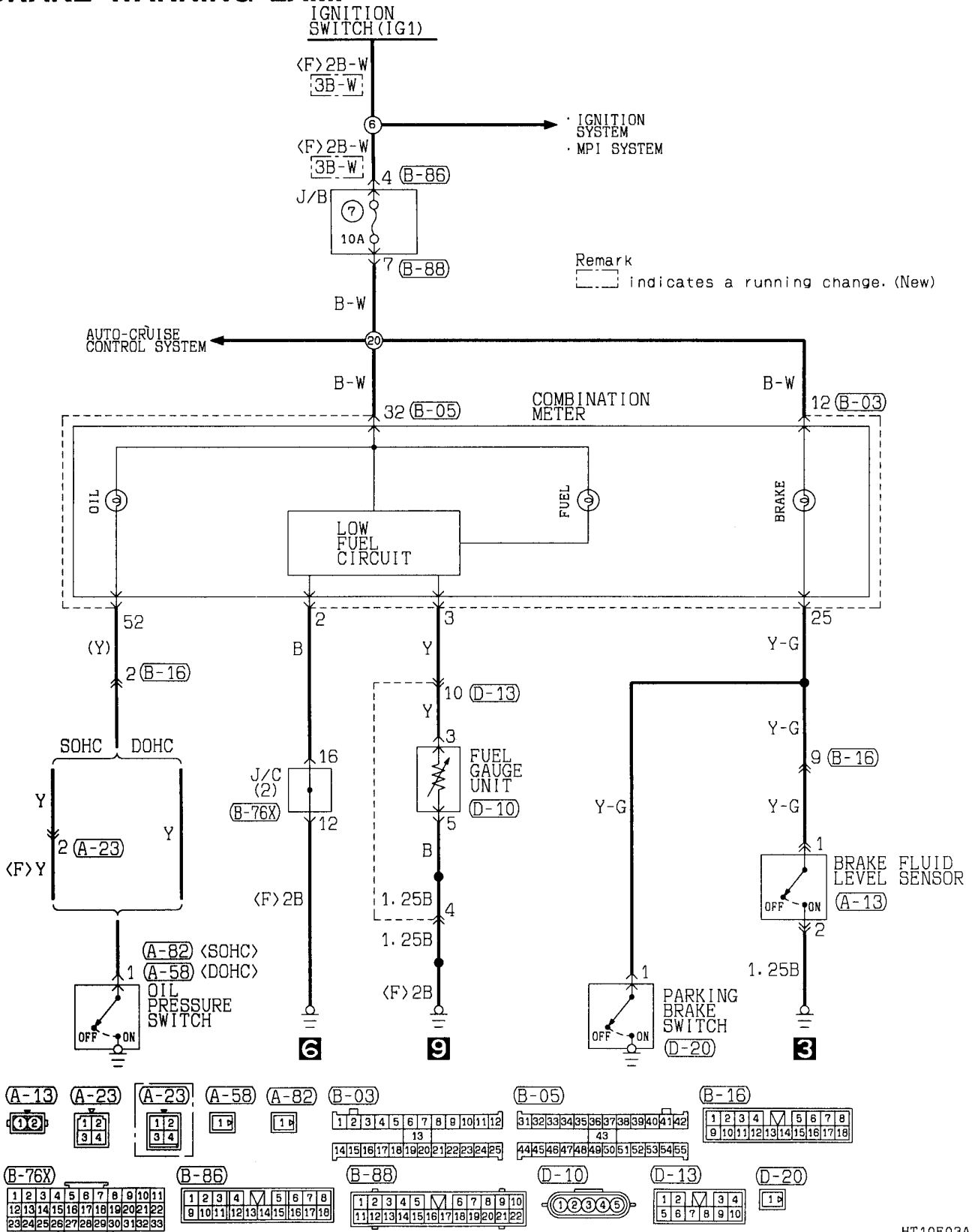
- When the ignition switch is at the "ON" position, the engine coolant temperature gauge is activated.
- When the engine coolant temperature is high, the unit's resistance is low and there is a great flow of current in the circuit, so the gauge's indicator indicates in the "H" area.
- When the engine coolant temperature is low, the unit's resistance is high and there is a small flow of current in the circuit, so the gauge's indicator indicates in the "C" area.

**TROUBLESHOOTING HINTS**

1. Fuel gauge does not operate, or registers incorrectly.
  - (1) The fuel gauge indicates "F" when the fuel gauge unit connector is disconnected and the "3" terminal is earthed.
    - Check fuel gauge.
2. Engine coolant temperature gauge does not operate, or registers incorrectly.
  - (1) When the engine coolant temperature gauge is earthed with its connector unplugged, it registers "H".
    - Check engine coolant temperature gauge unit.
3. Meter illumination lamp does not illuminate.
  - (1) Tail lamps illuminate.
    - Check rheostat.

**OIL PRESSURE WARNING LAMP**  
**FUEL WARNING LAMP**  
**BRAKE WARNING LAMP**

90101180164



**OIL PRESSURE WARNING LAMP (See P. 4-111.)**

**FUEL WARNING LAMP (See P. 4-111.)**

**BRAKE WARNING LAMP (See P. 4-111.)**

**OPERATION**

**<Oil pressure warning lamp>**

- When the lubrication system fails after engine starting, resulting in the oil pressure failing to build up, the oil pressure switch turns on causing the oil pressure warning lamp to illuminate.

**<Fuel warning lamp>**

- When the ignition switch is at the ON position and the fuel level drops, the resistance of the unit increases. When the resistance rises to a value that is higher than the specified value, the fuel warning lamp illuminates to inform the driver that the fuel level is low.

**<Brake warning lamp>**

- When the brake fluid level goes down below a predetermined level with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned on, causing the brake warning lamp to illuminate.

**CENTRAL DOOR LOCKING SYSTEM <Vehicles without theft-alarm system>  
(See P. 4-114.)****OPERATION**

1. **Operation by means of driver's side inside lock knob or door lock key.**
  - When the driver's side inside lock knob (including key operation) is in the "LOCK" (or "UNLOCK") position, the driver's side door latch switch turns off "LOCK" (or on "UNLOCK") and the timer inside the door lock-ECU functions to turn on the output transistor for approximately 0.5 seconds. This causes the lock side (or unlock side) power relay inside the door lock control unit to turn "ON", and all actuators operate.
2. **Operation by means of passenger's side door lock key or tailgate lock key cylinder switch.**
  - When the passenger's side door lock key cylinder switch or tailgate lock key cylinder switch is turned to "LOCK" (or "UNLOCK") position with the key, the lock side (or unlock side) power relay inside the door lock-ECU turns "ON", and all actuators operate.

**Remark**

- Each door lock actuator has a PTC thermistor to prevent the motor from being damaged by overheating. This results in the actuator not properly operation at times when the central door lock is frequently used, the actuator is operational if it resumes normal operation within several minutes.

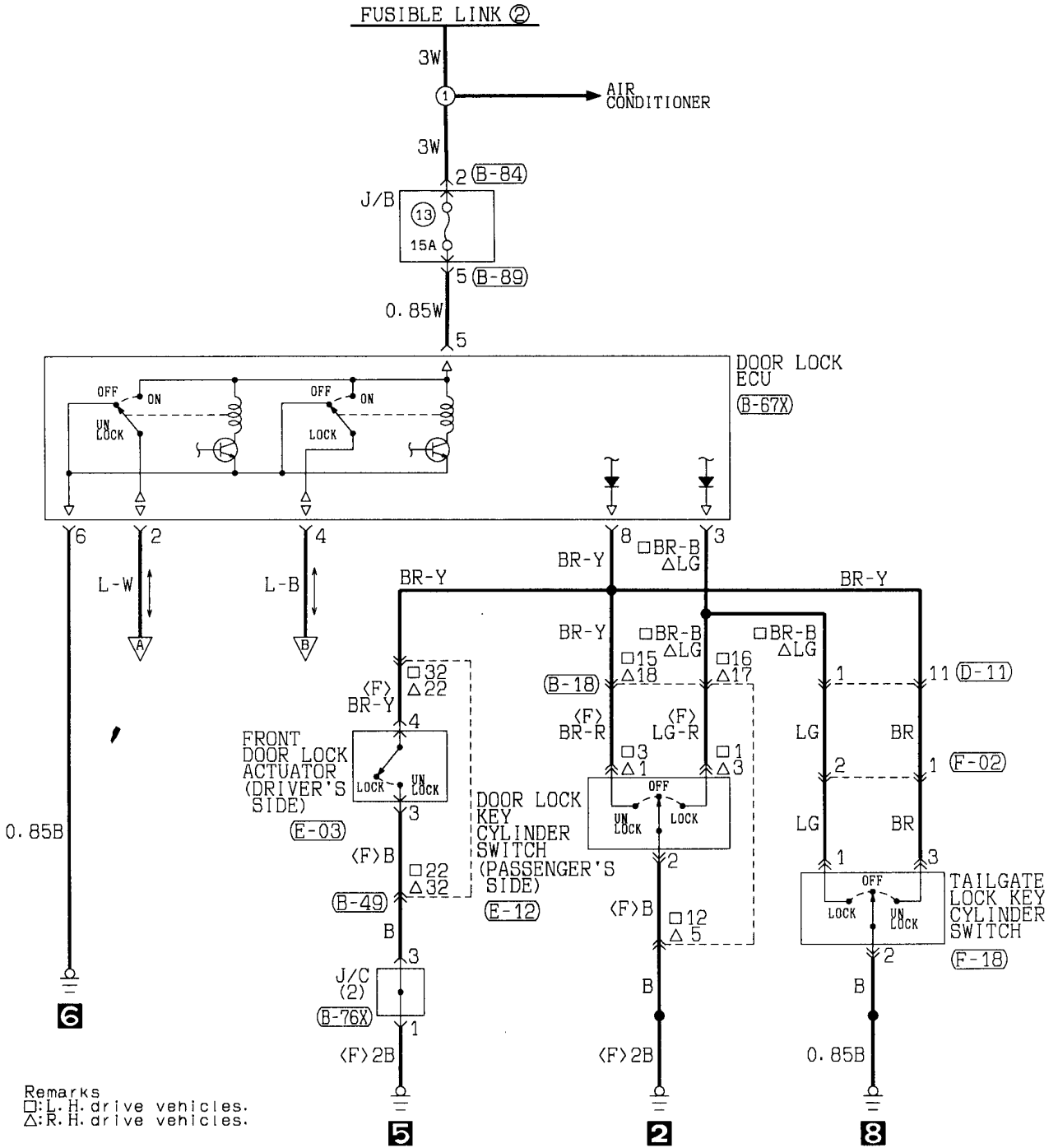
**TROUBLESHOOTING HINTS**

1. Any one of the door lock actuators is inoperative.
  - Check the defective door actuator.
2. Door cannot be locked or unlocked with the inside lock knob on the driver's side door. (including key operation)
  - Check door latch switch.
  - Check door lock-ECU.
3. Door cannot be locked or unlocked with the passenger's side key or tailgate lock key cylinder switch.
  - Check door lock key cylinder switch or tailgate lock key cylinder switch.

CENTRAL DOOR LOCKING SYSTEM

90100470361

Vehicles without theft-alarm system



(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32				

(B-67X)

1	2	3
4	5	6
7	8	9

(B-76X)

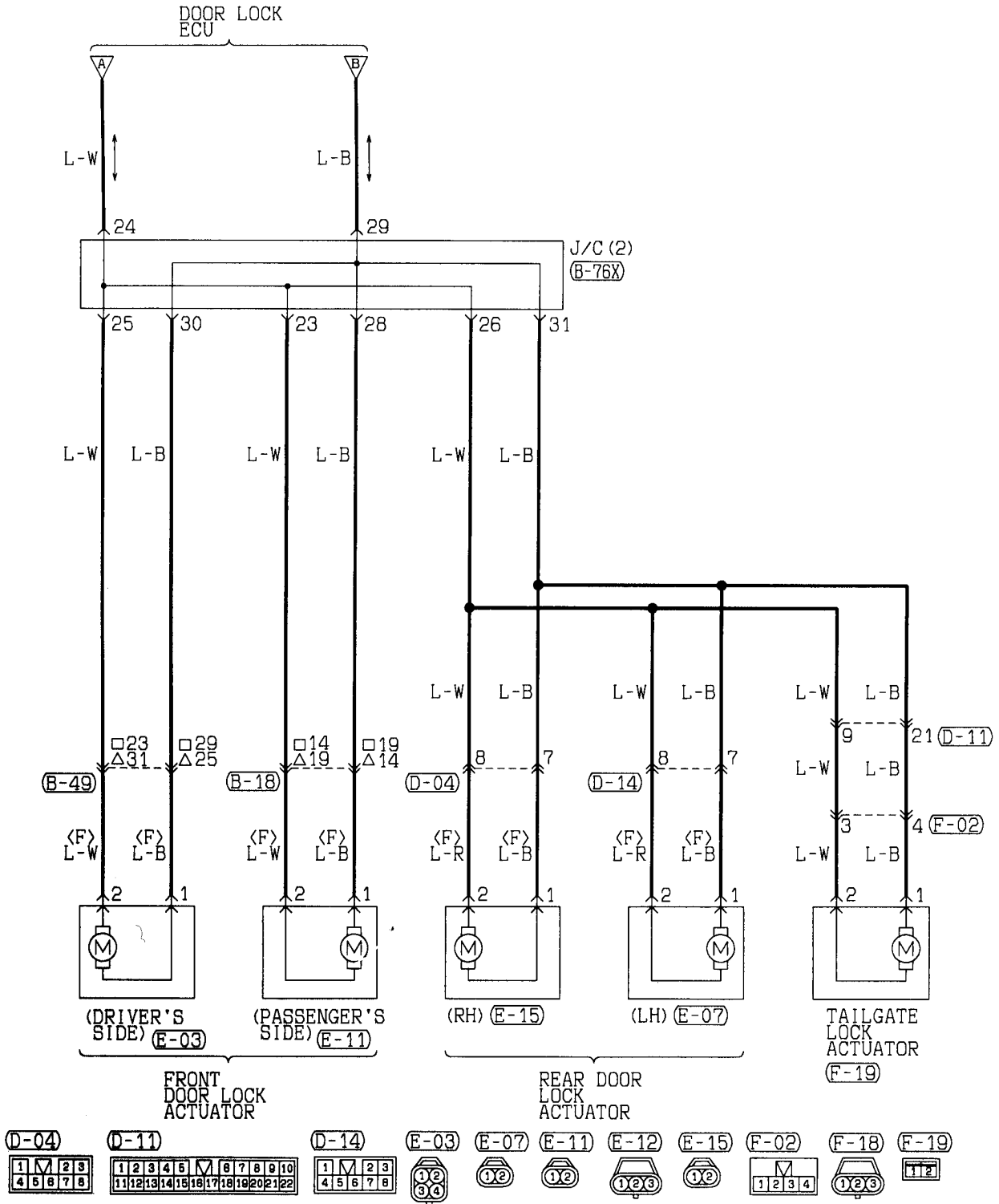
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12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-84)

1	2
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(B-89)

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

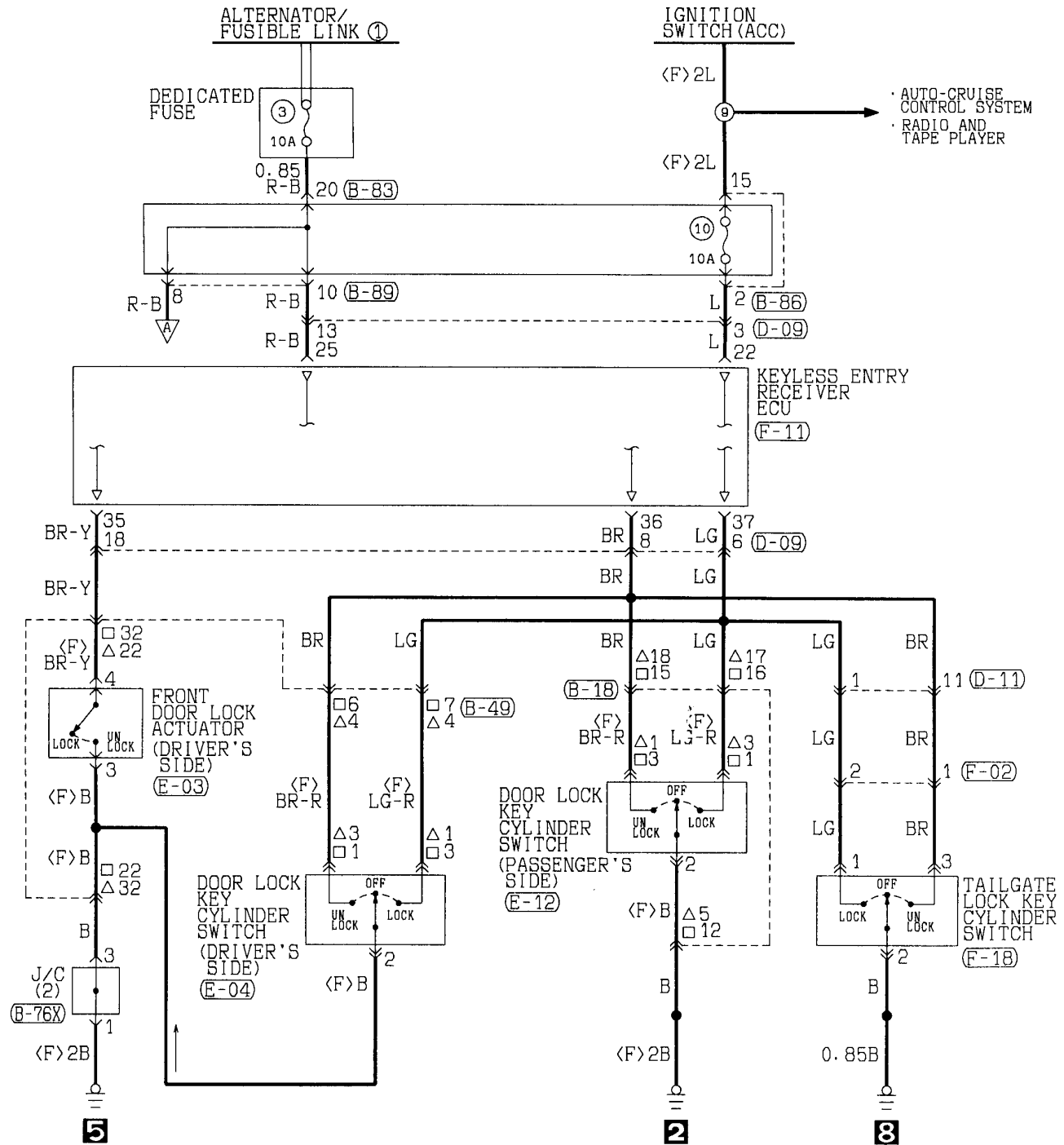




CENTRAL DOOR LOCKING SYSTEM

90100470378

Vehicles with theft-alarm system



(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32				

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-86)

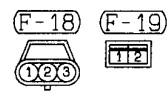
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9	10	11	12	13	14	15	16
17	18						

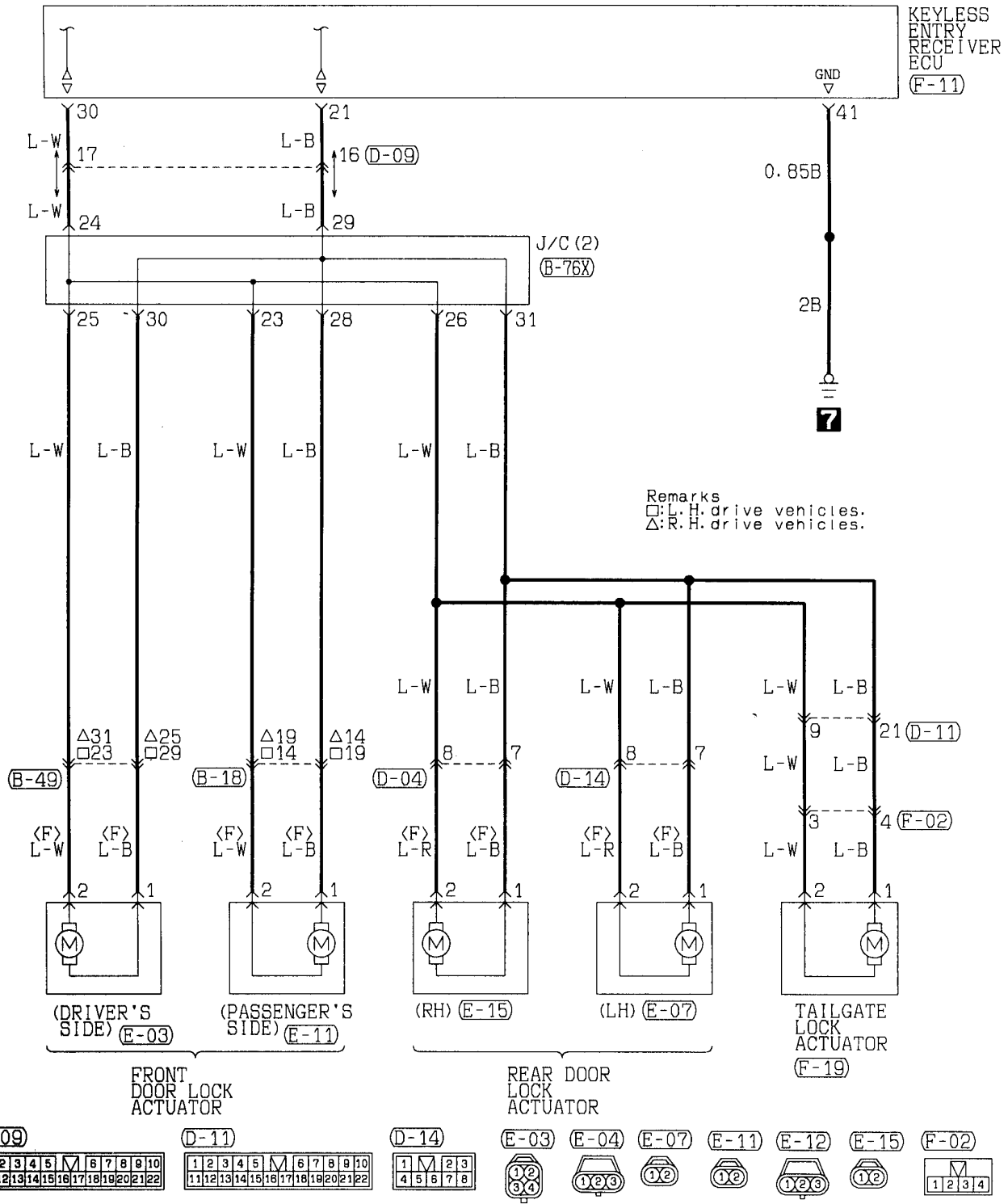
(D-04)

1	2	3
4	5	6
7	8	

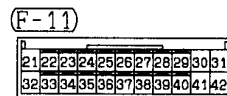
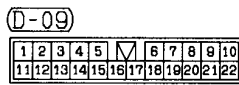
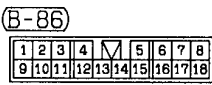
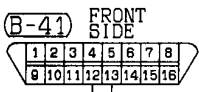
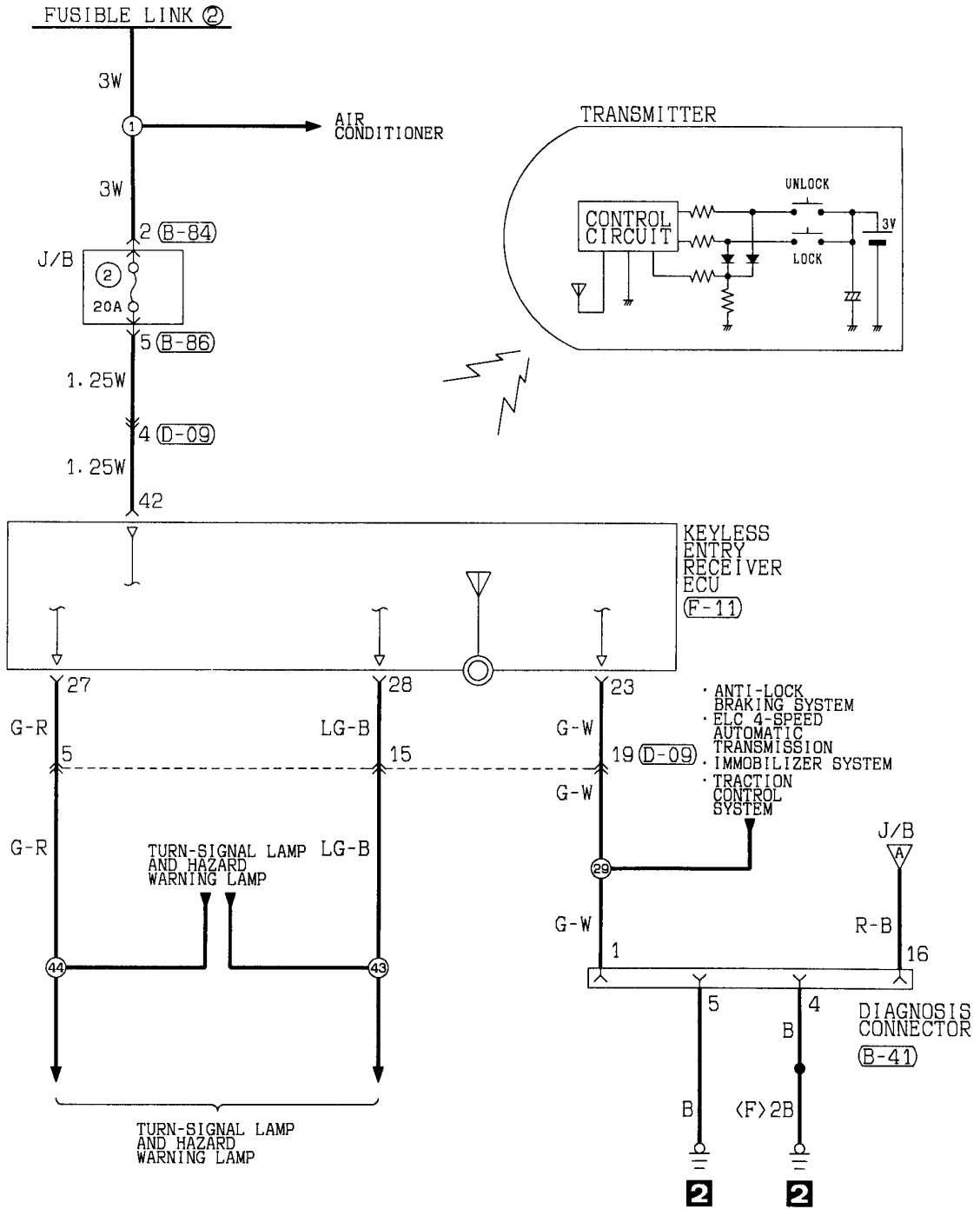
(F-11)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42





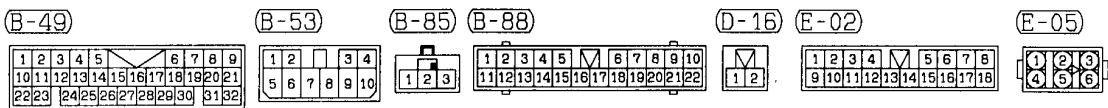
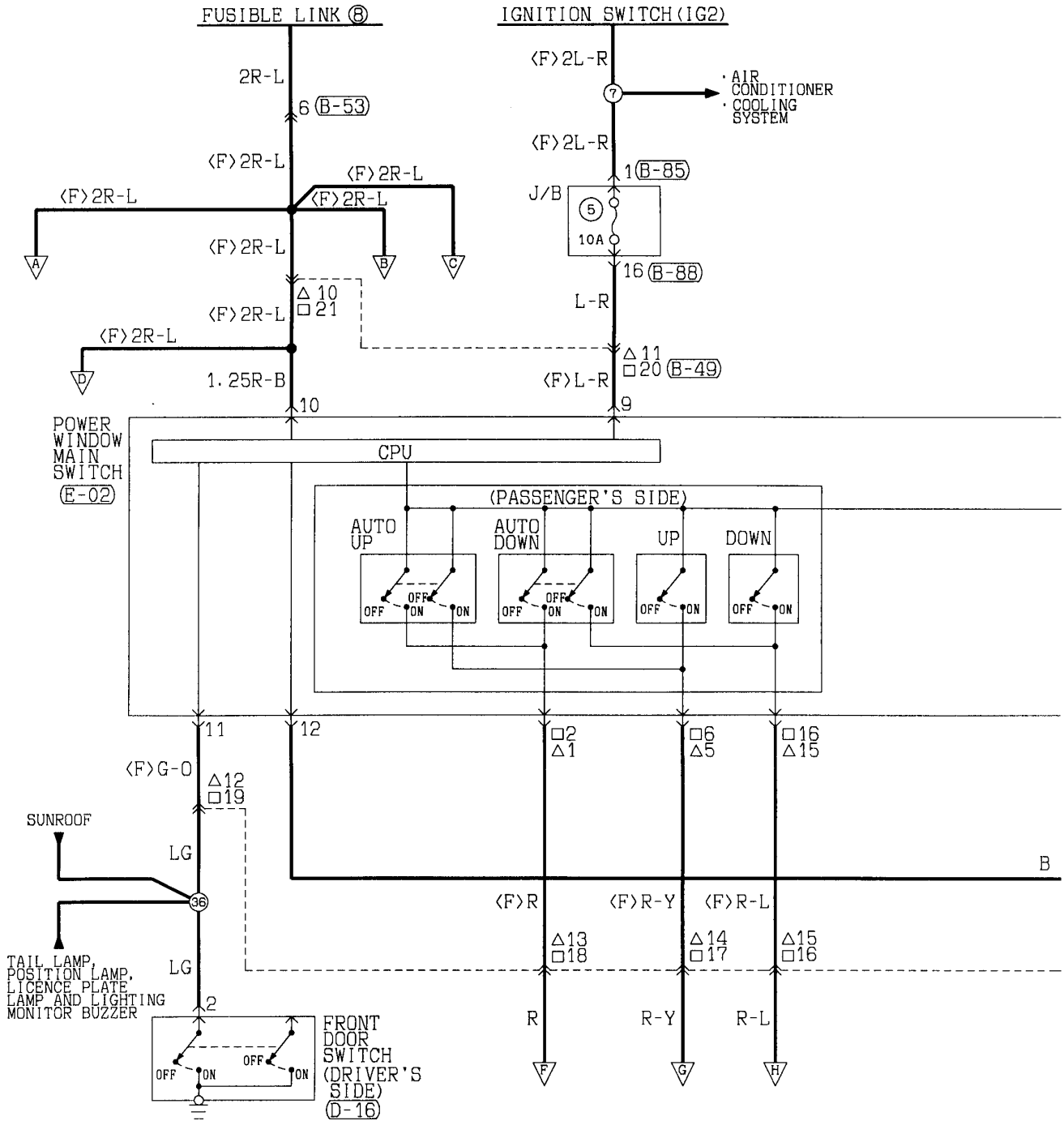
**CENTRAL DOOR LOCKING SYSTEM <Vehicles with theft-alarm system>  
(CONTINUED)**

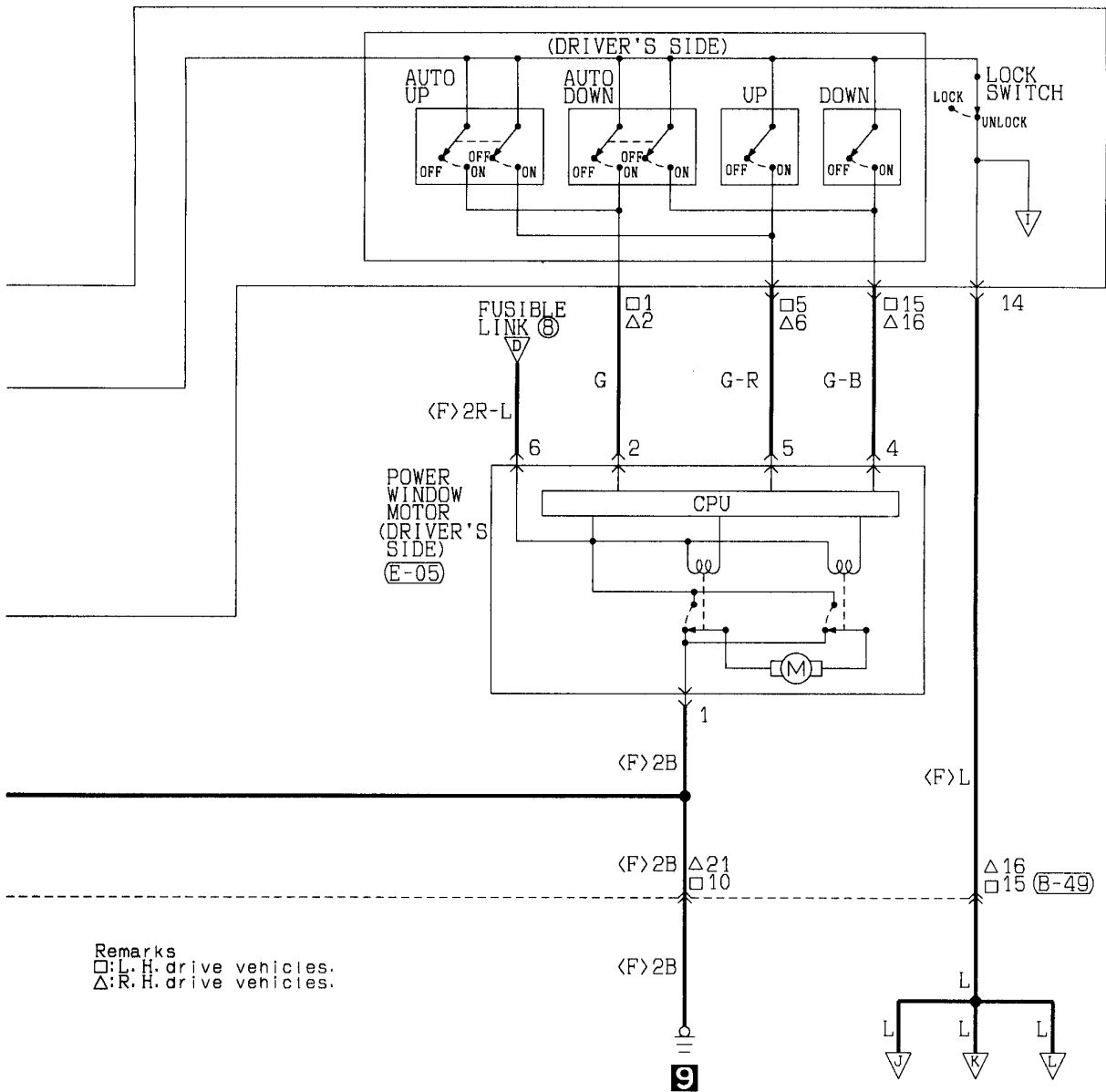


NOTES

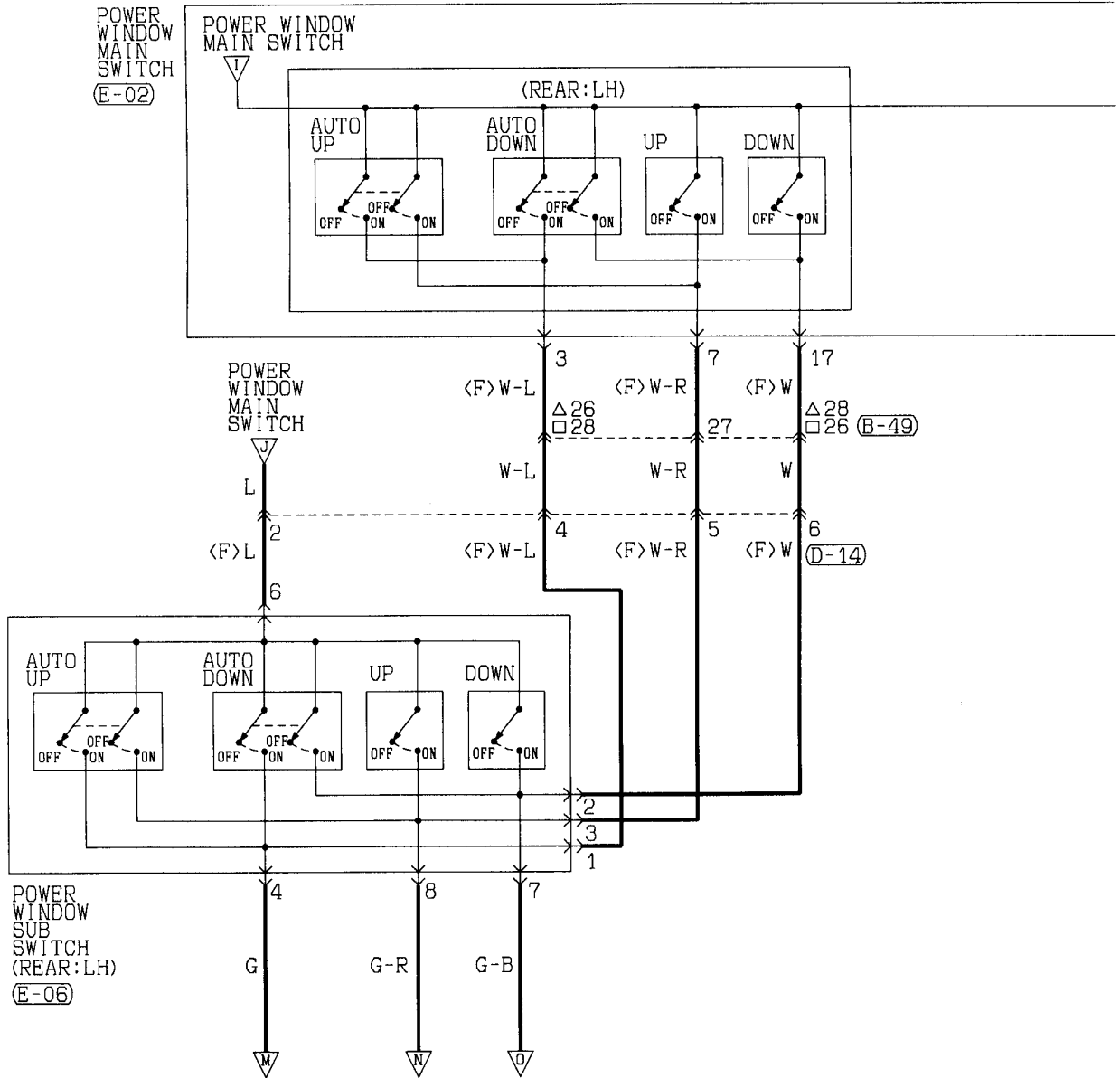
POWER WINDOWS

90100460221





POWER WINDOWS (CONTINUED)



(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32				

(D-04)

1	2	3
4	5	6
7	8	

(D-14)

1	2	3
4	5	6
7	8	

(E-02)

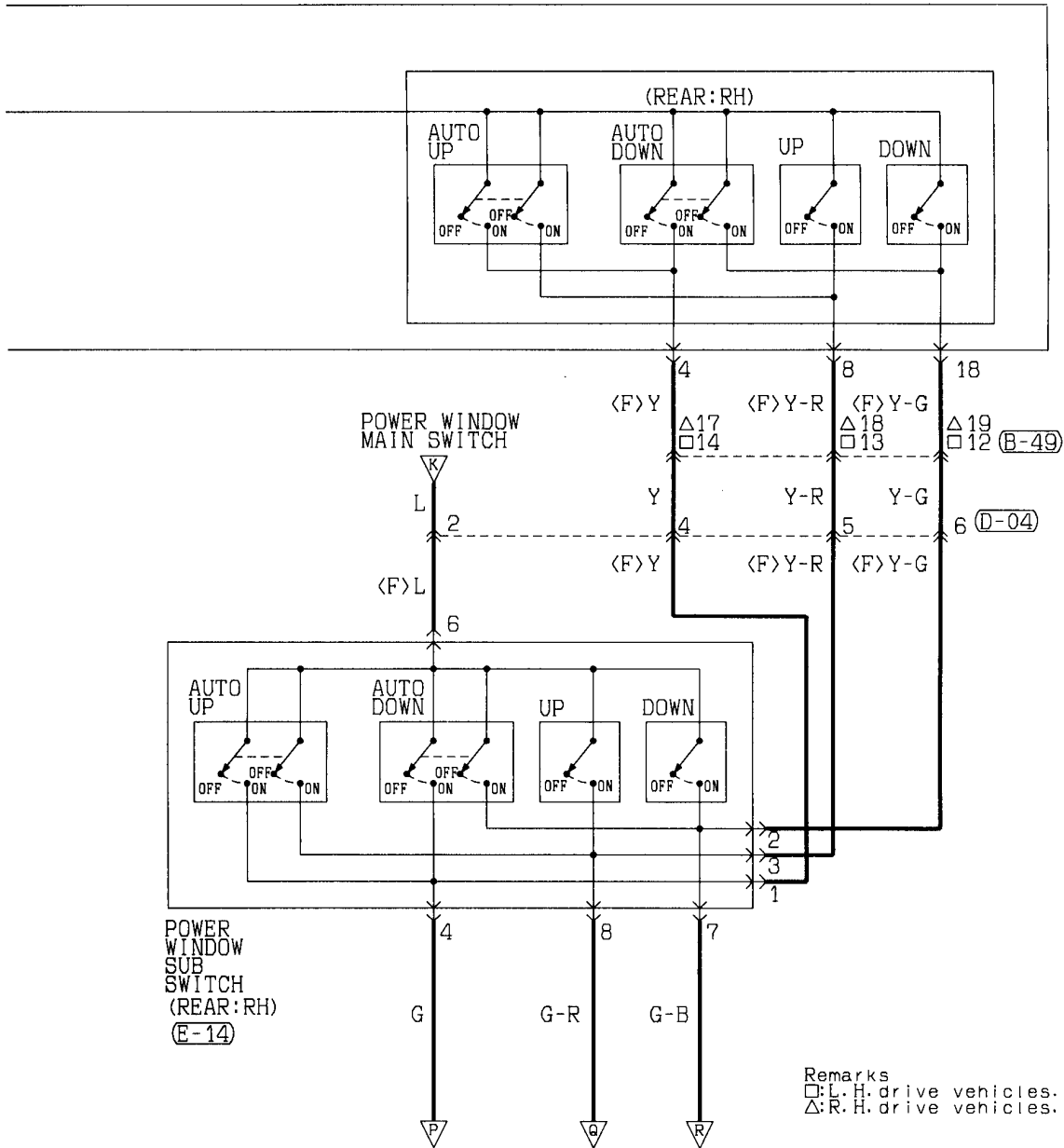
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9	10	11	12	13	14	15	16
17	18						

(E-06)

1	2	3
4	5	6
7	8	

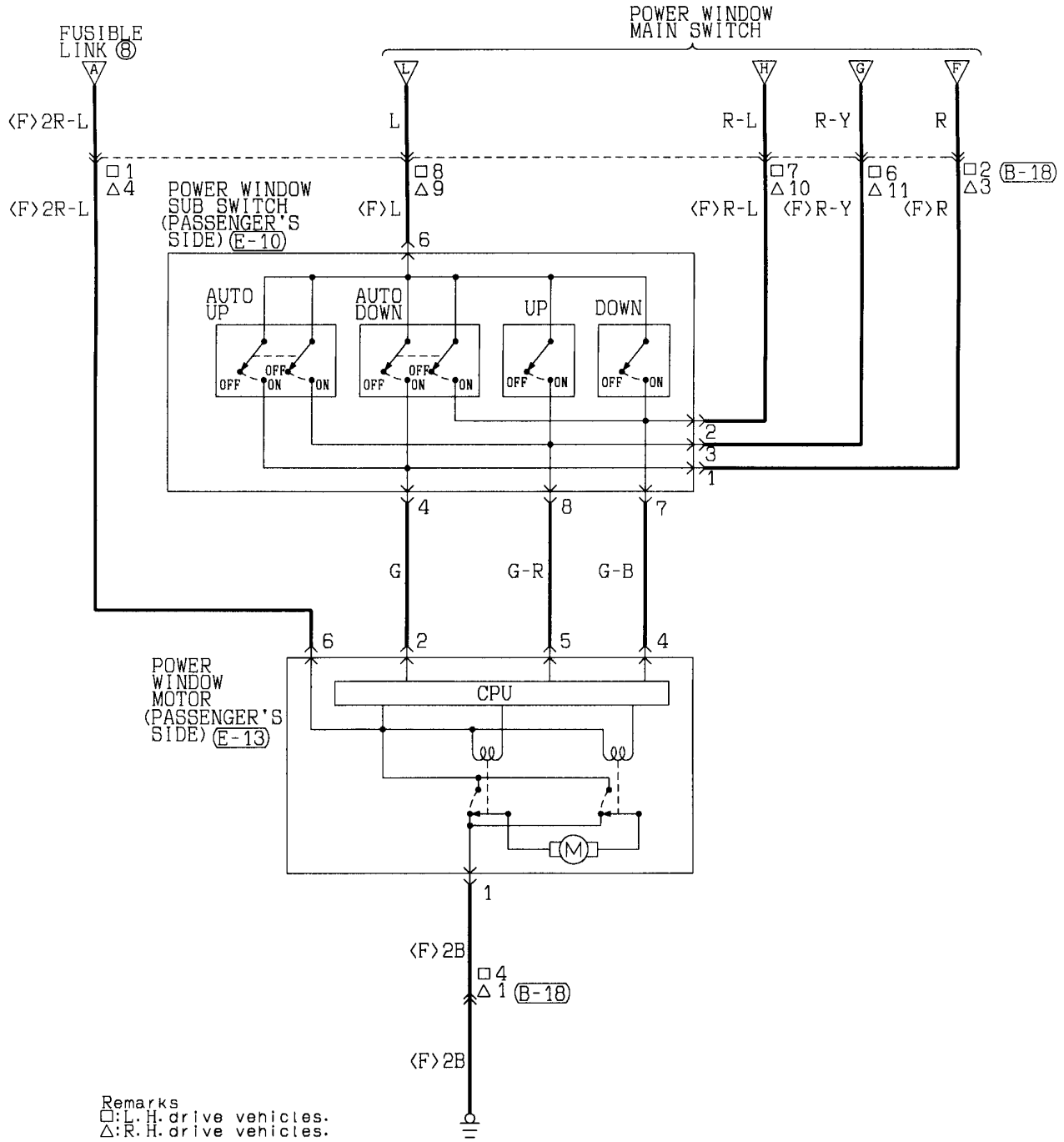
(E-14)

1	2	3
4	5	6
7	8	

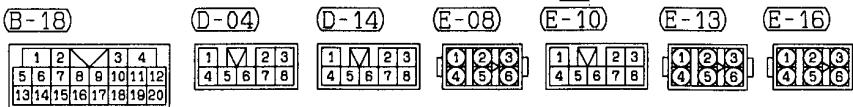


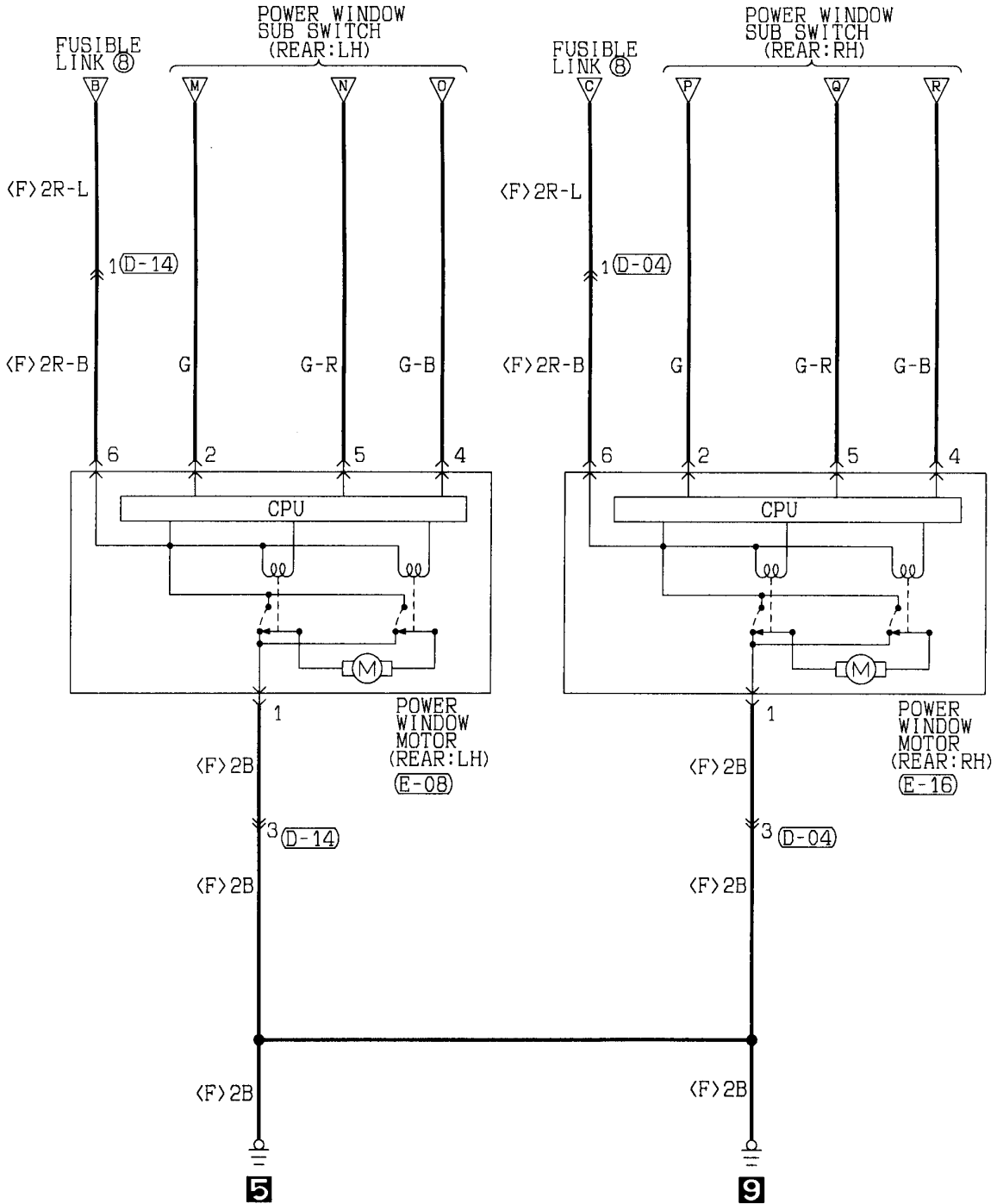


POWER WINDOWS (CONTINUED)



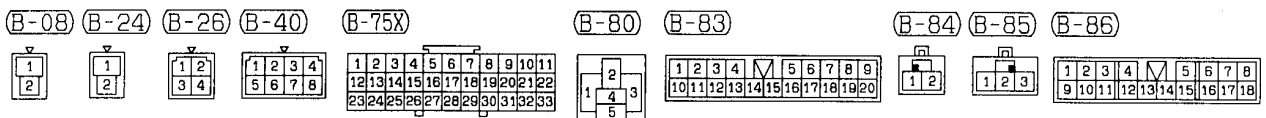
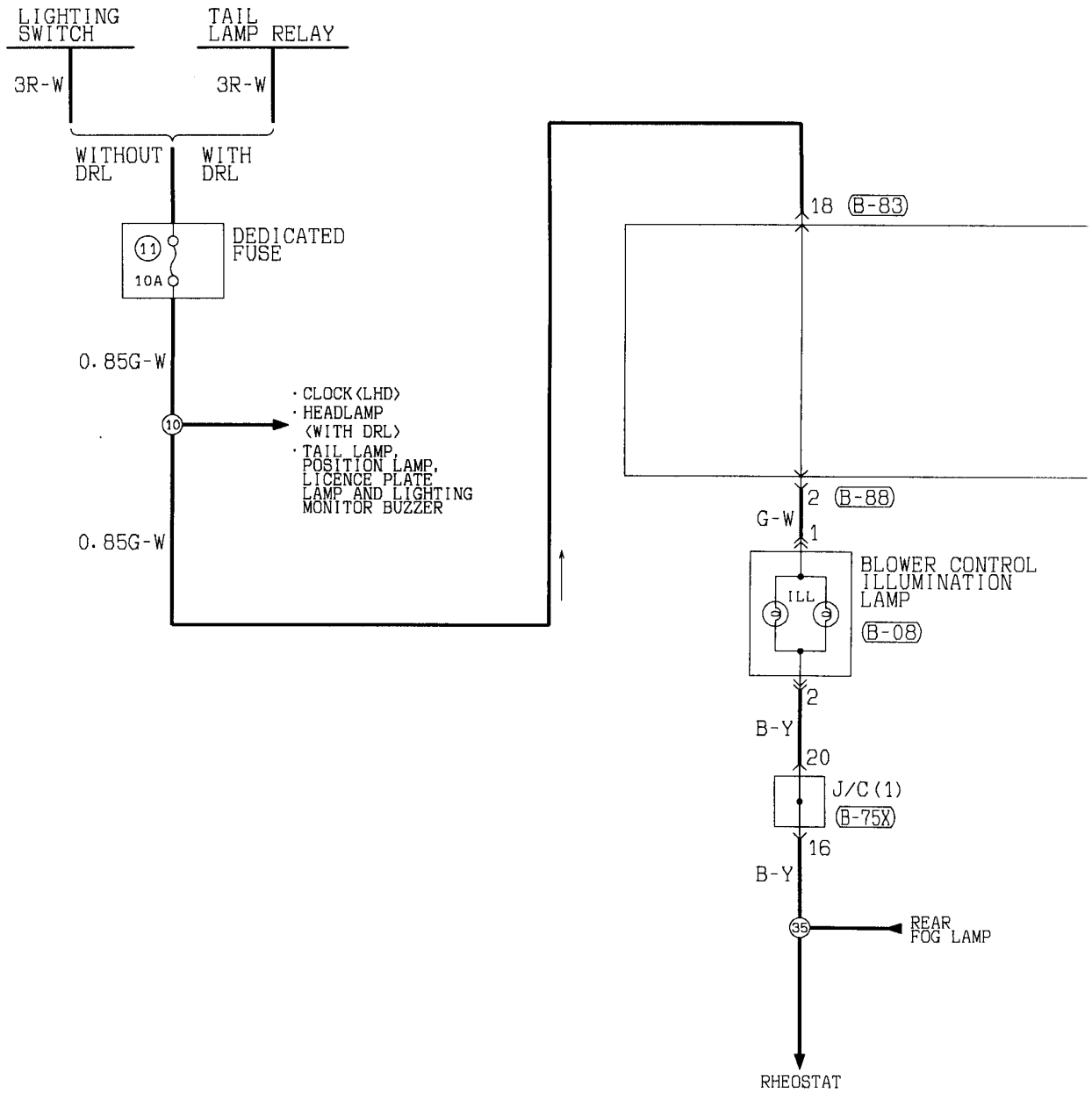
Remarks  
 □: L. H. drive vehicles.  
 Δ: R. H. drive vehicles.

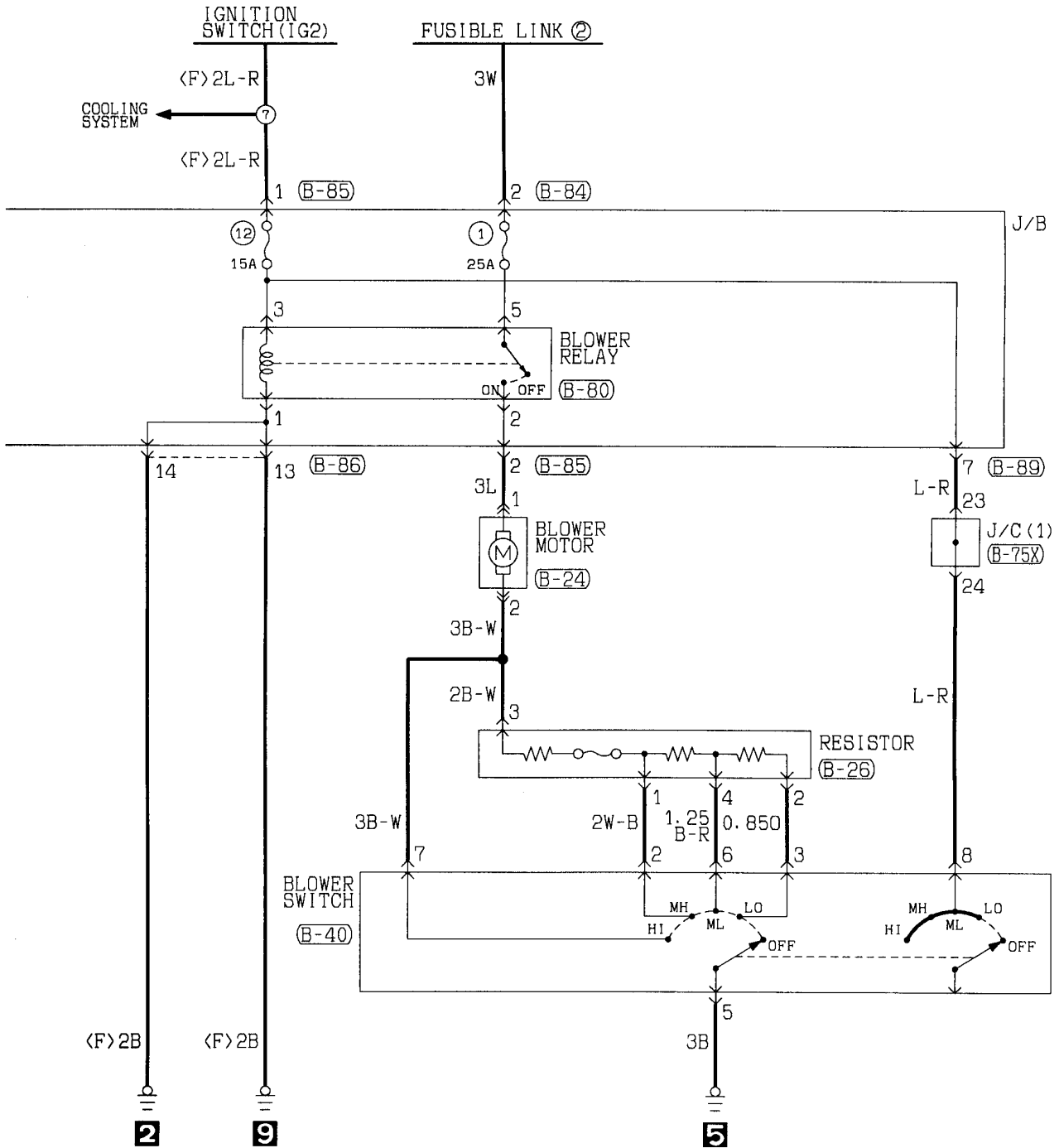




HEATER

90101330095





(B-88)

(B-89)

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

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

**HEATER (See P. 4-126.)****OPERATION**

- When the ignition switch is turned ON, the blower relay is energized. If the blower switch is turned ON (LO, ML, MH, or HI position) in this condition, the blower is activated through the circuit via resistor at a speed corresponding to the blower switch position.

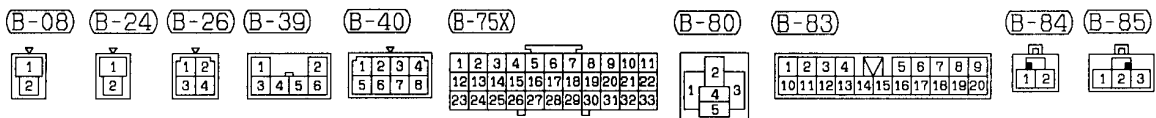
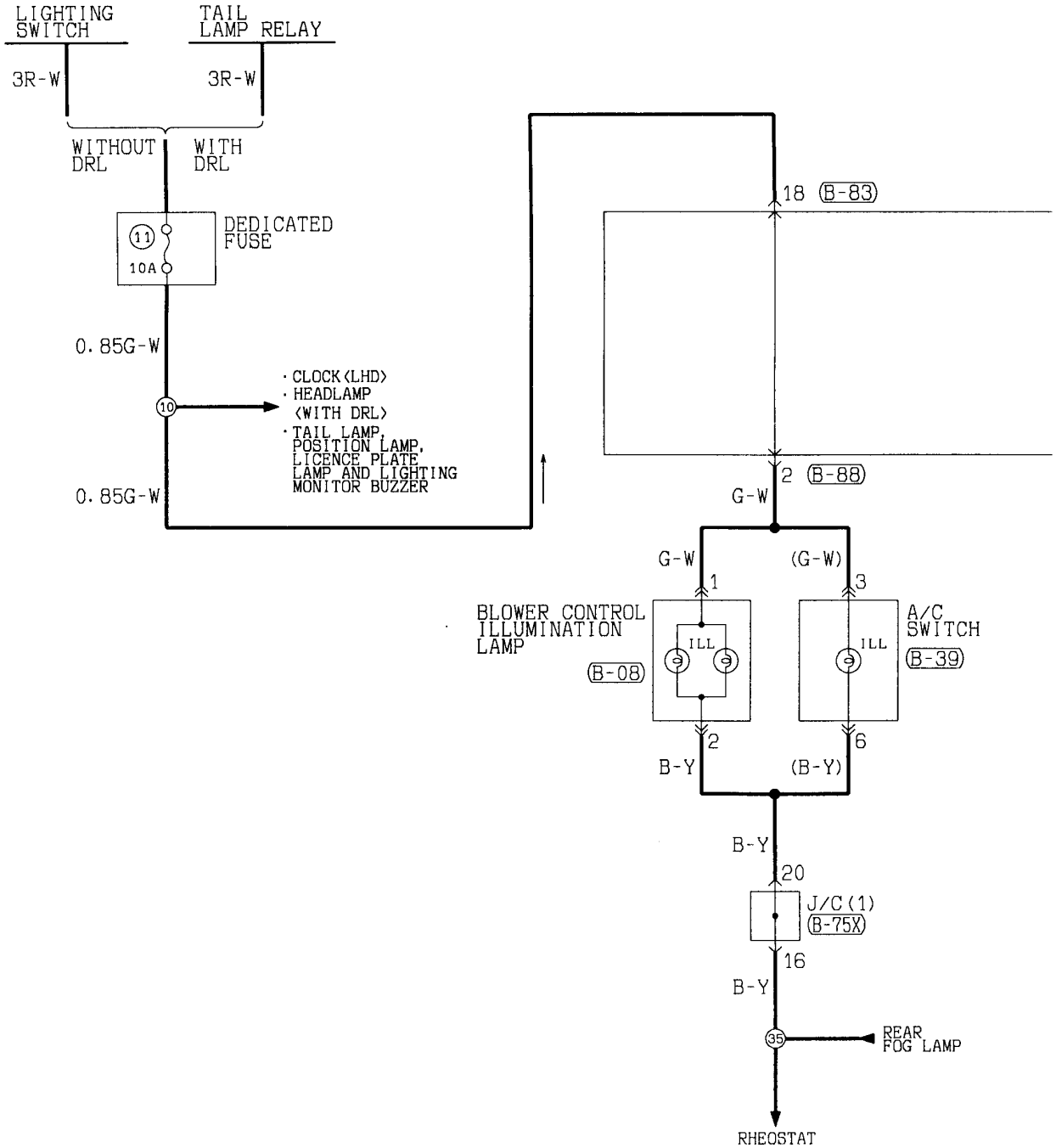
**TROUBLESHOOTING HINTS**

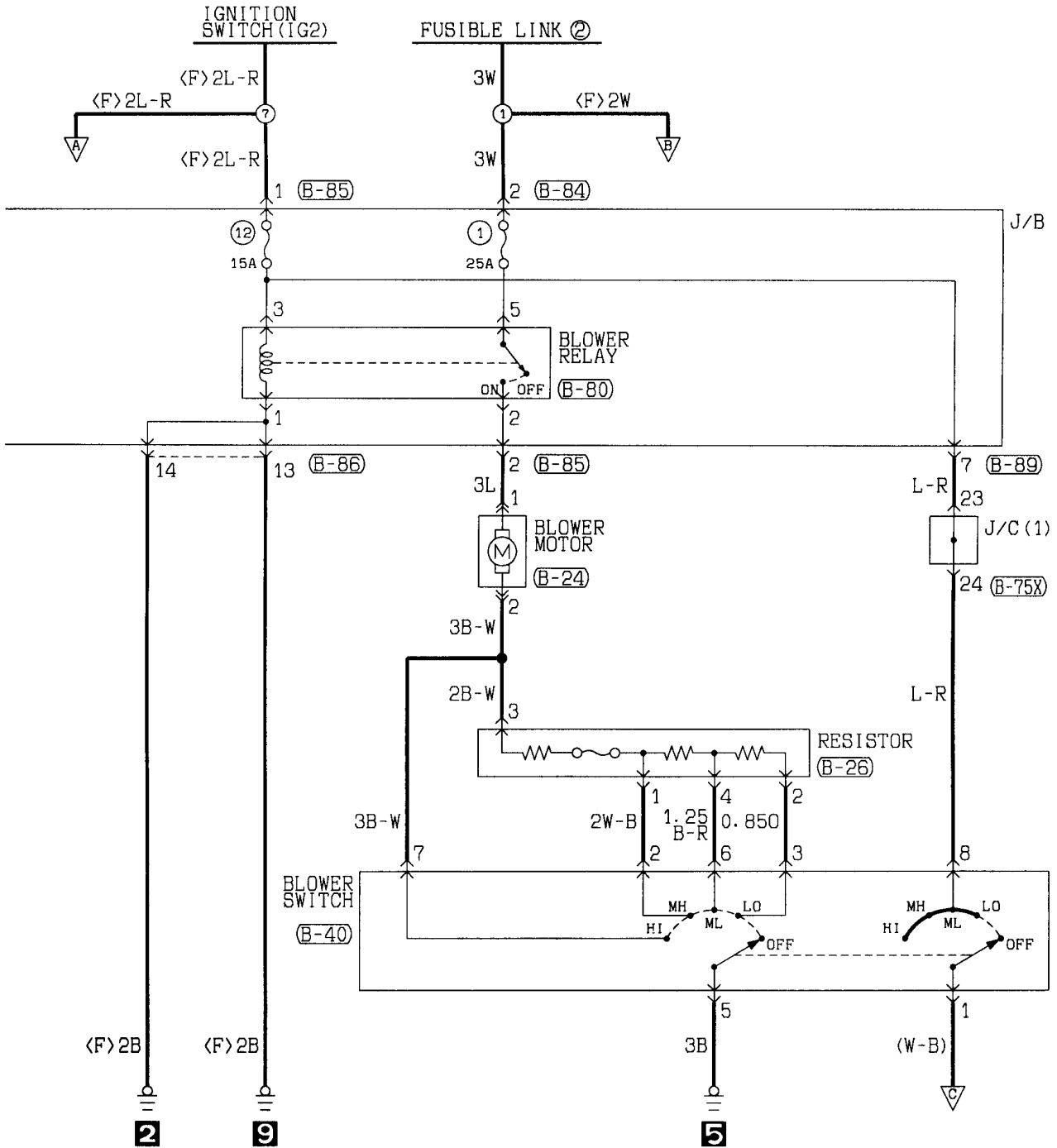
1. Blower motor is energized at one switch position and not energized at another.
  - Check harness and connectors between defective switch position and resistor (or blower motor in HI position).
2. Blower motor is energized only when switch is positioned in HI.
  - Check resistor.
3. Blower motor speed does not represent the switch position.
  - Check blower switch.

NOTES

MANUAL AIR CONDITIONER

90100550126





(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

(B-88)

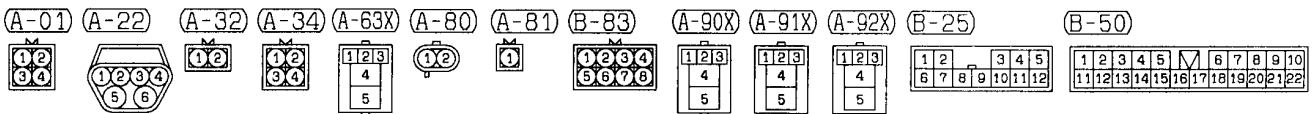
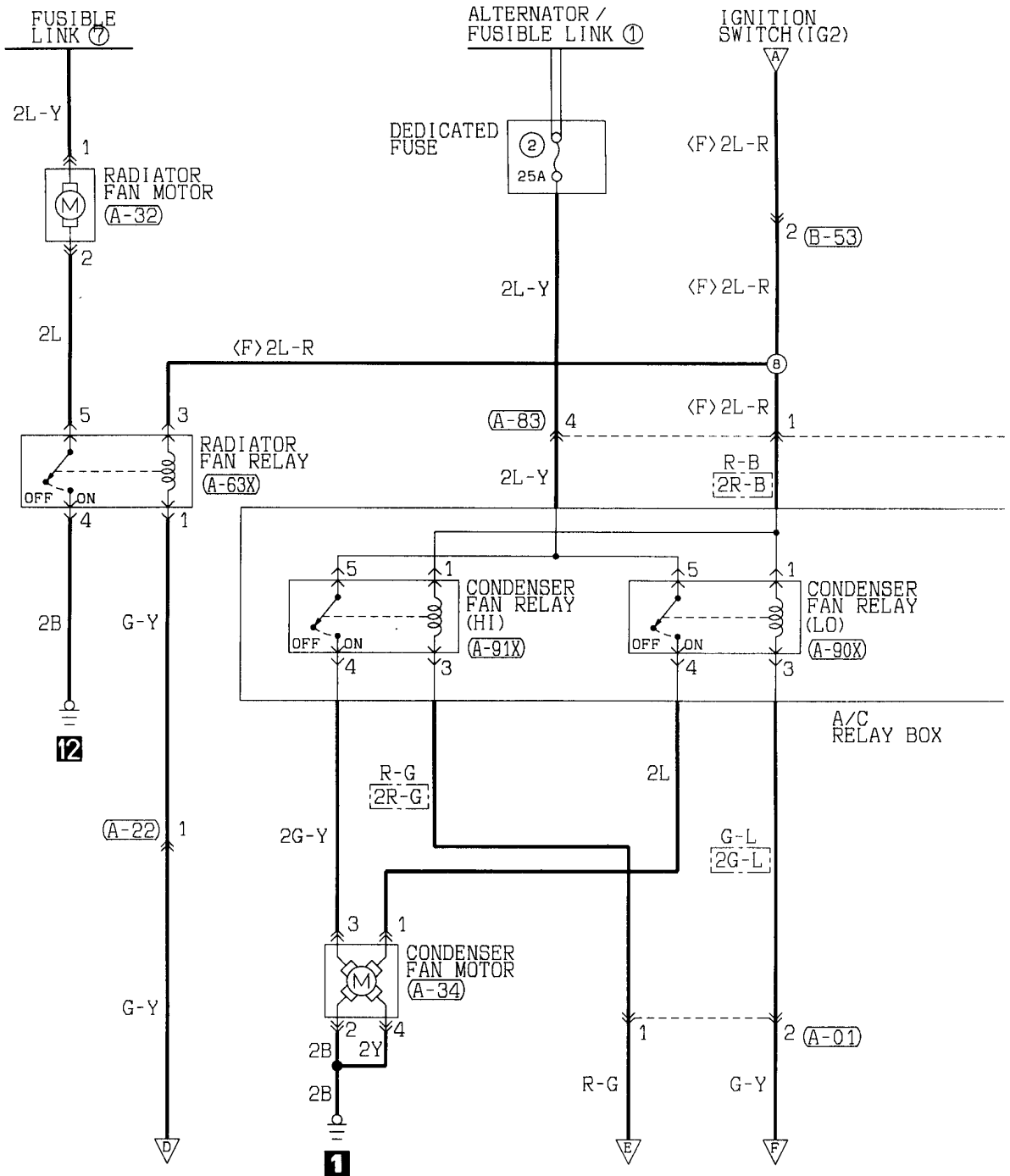
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

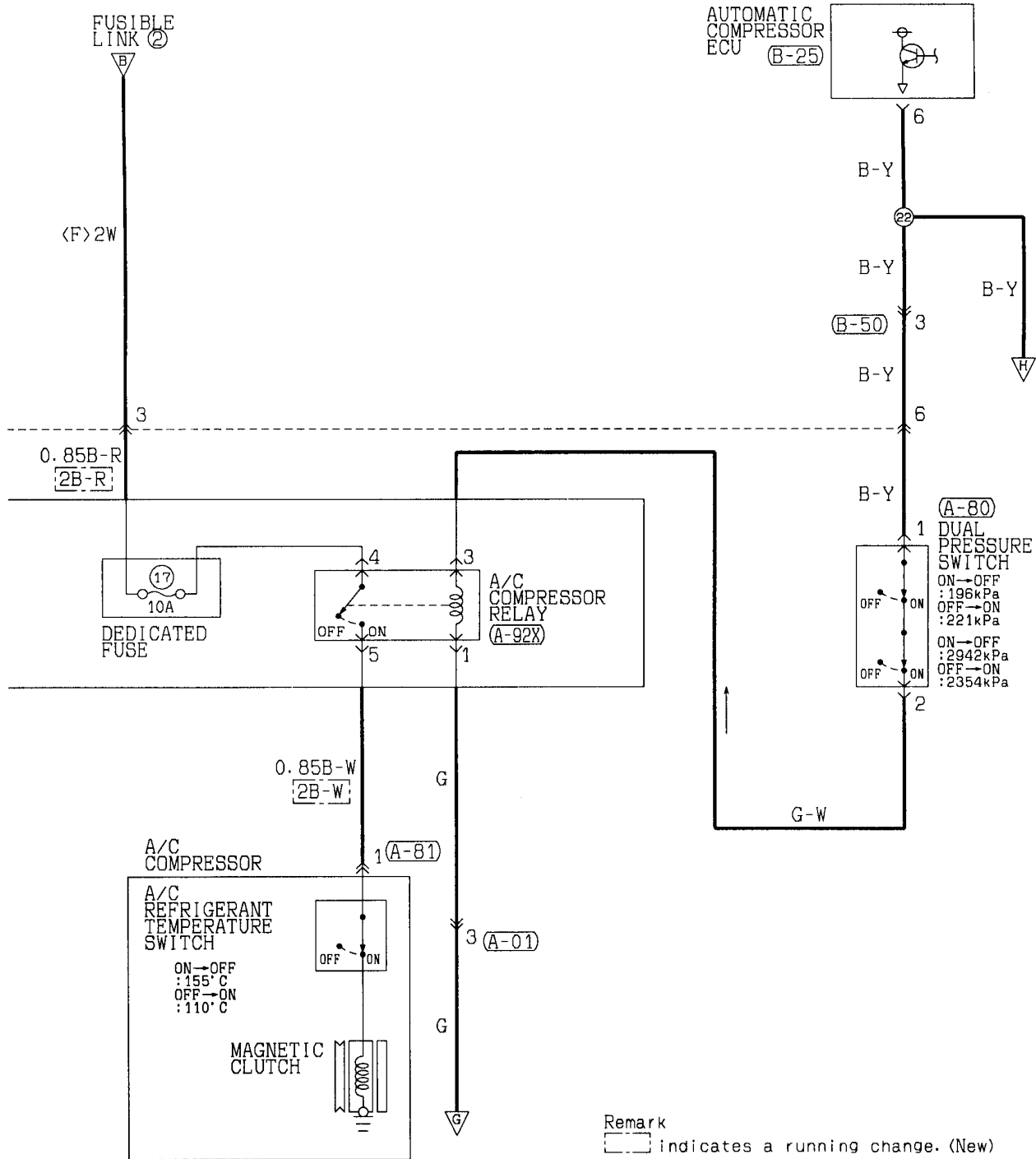
(B-89)

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



MANUAL AIR CONDITIONER (CONTINUED)

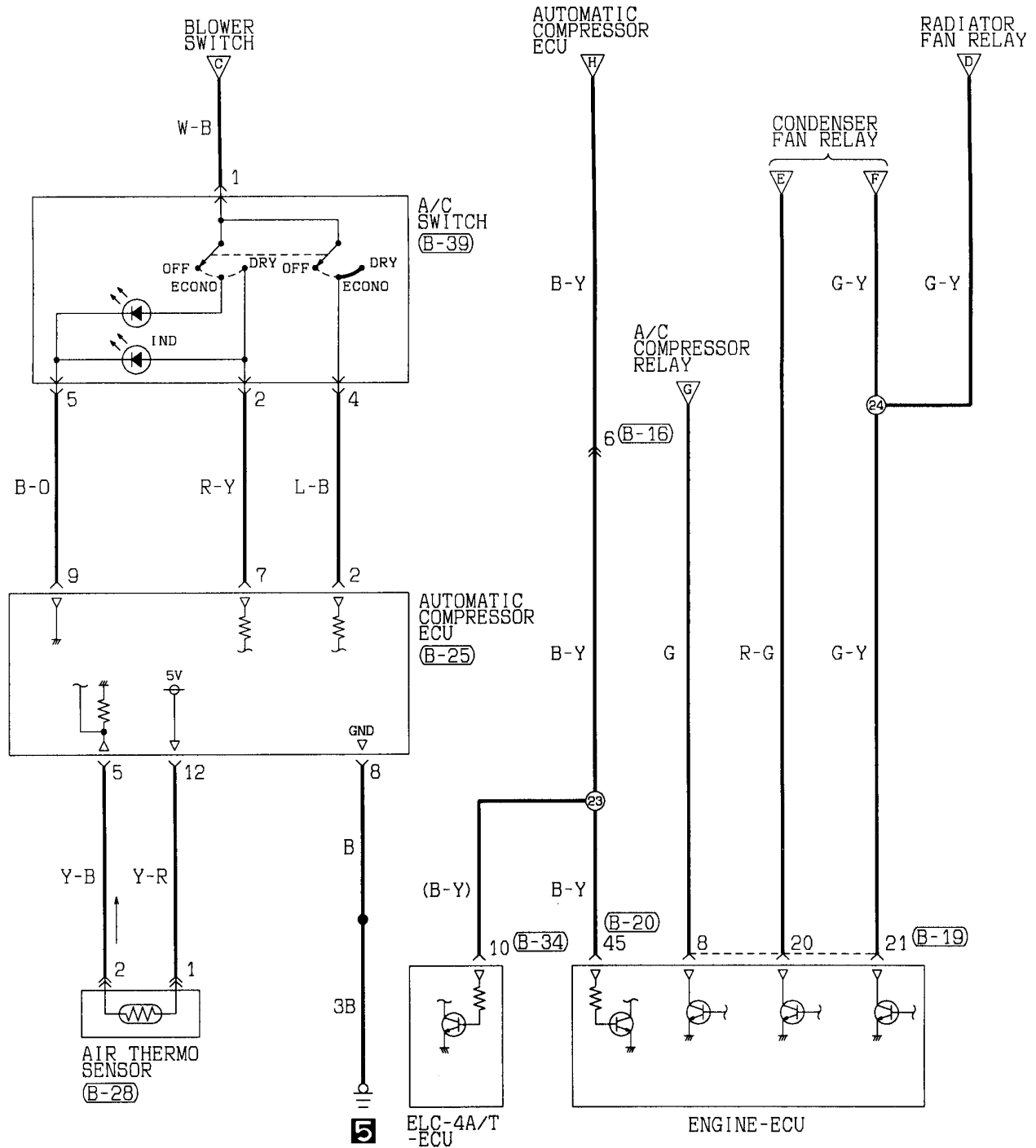




(B-53)

1	2	3	4
5	6	7	8
9	10		

MANUAL AIR CONDITIONER (CONTINUED)



(B-16)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-20)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-25)

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

(B-28)

1
2

(B-34)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

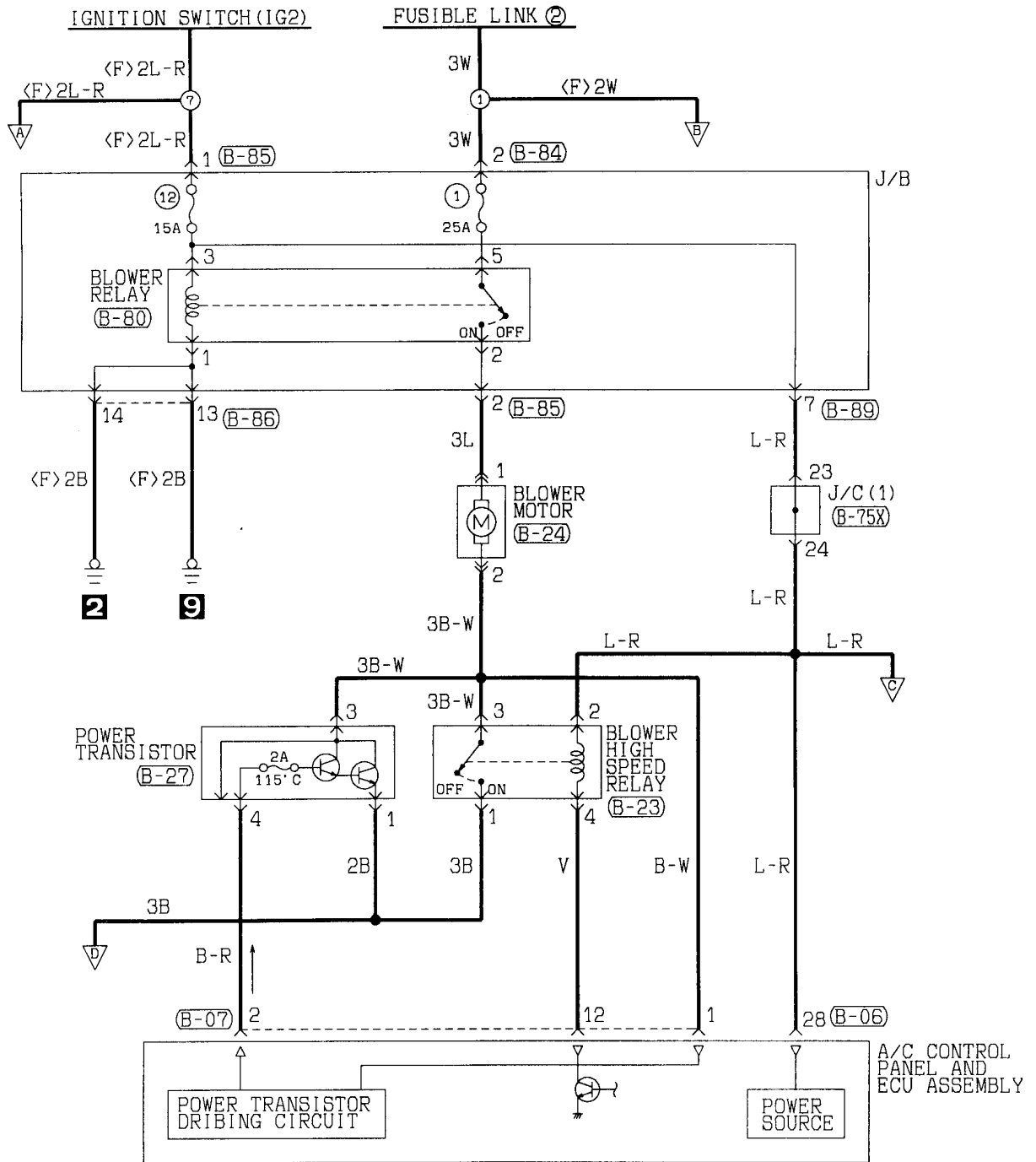
(B-39)

1	2		
3	4	5	6

NOTES

FULL-AUTO AIR CONDITIONER AND AIR PURIFIER

90101340036



- (A-69)  

1	2	3	4	5
6	7	8	9	10
- (B-06)  

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36
- (B-07)  

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
- (B-13)  

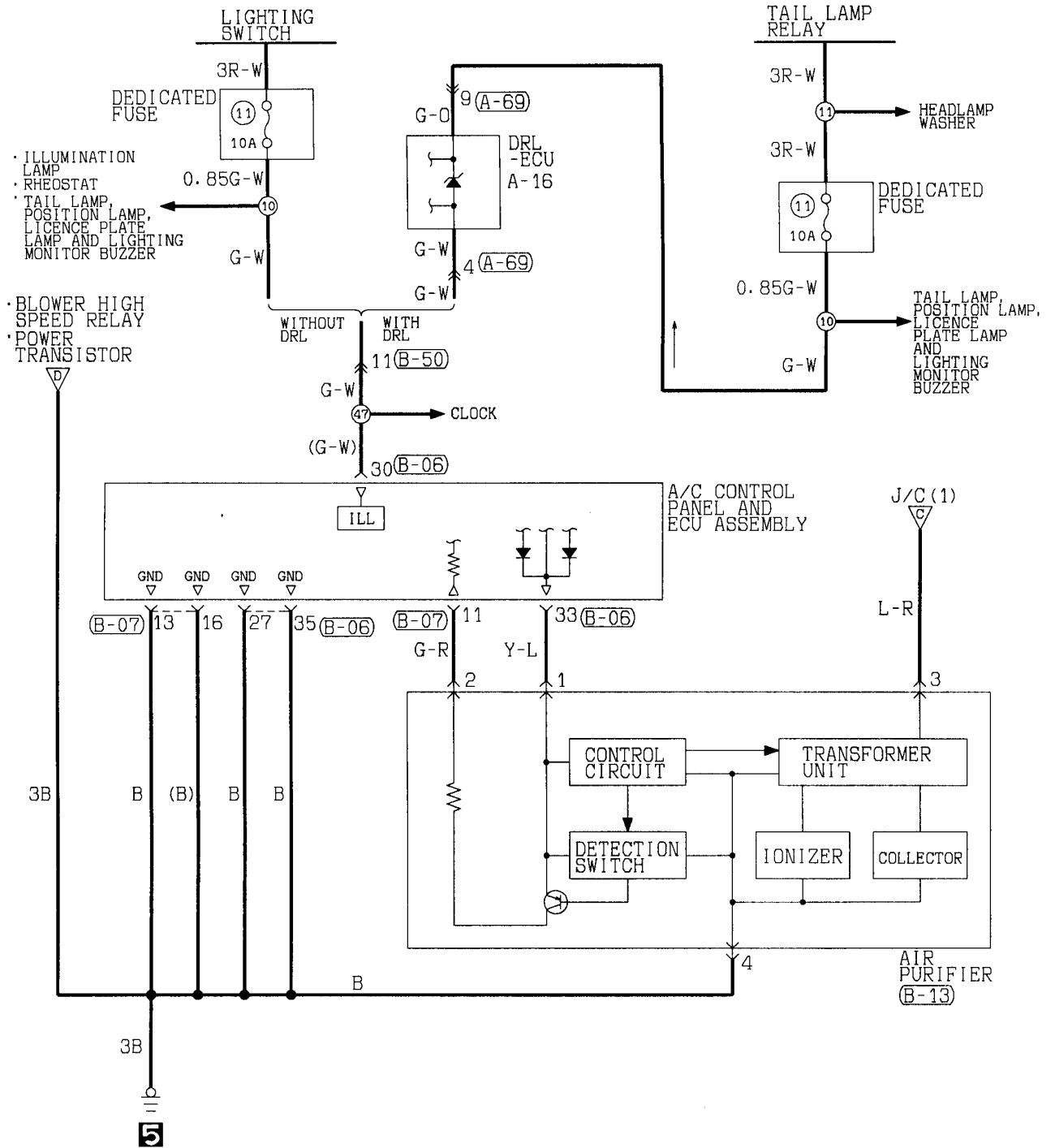
1	2	3	4
---	---	---	---
- (B-23)  

1	2
3	4
- (B-24)  

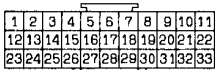
1
2
- (B-27)  

1	2
3	4
- (B-50)  

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



(B-75X)



(B-80)



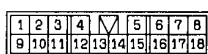
(B-84)



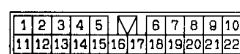
(B-85)



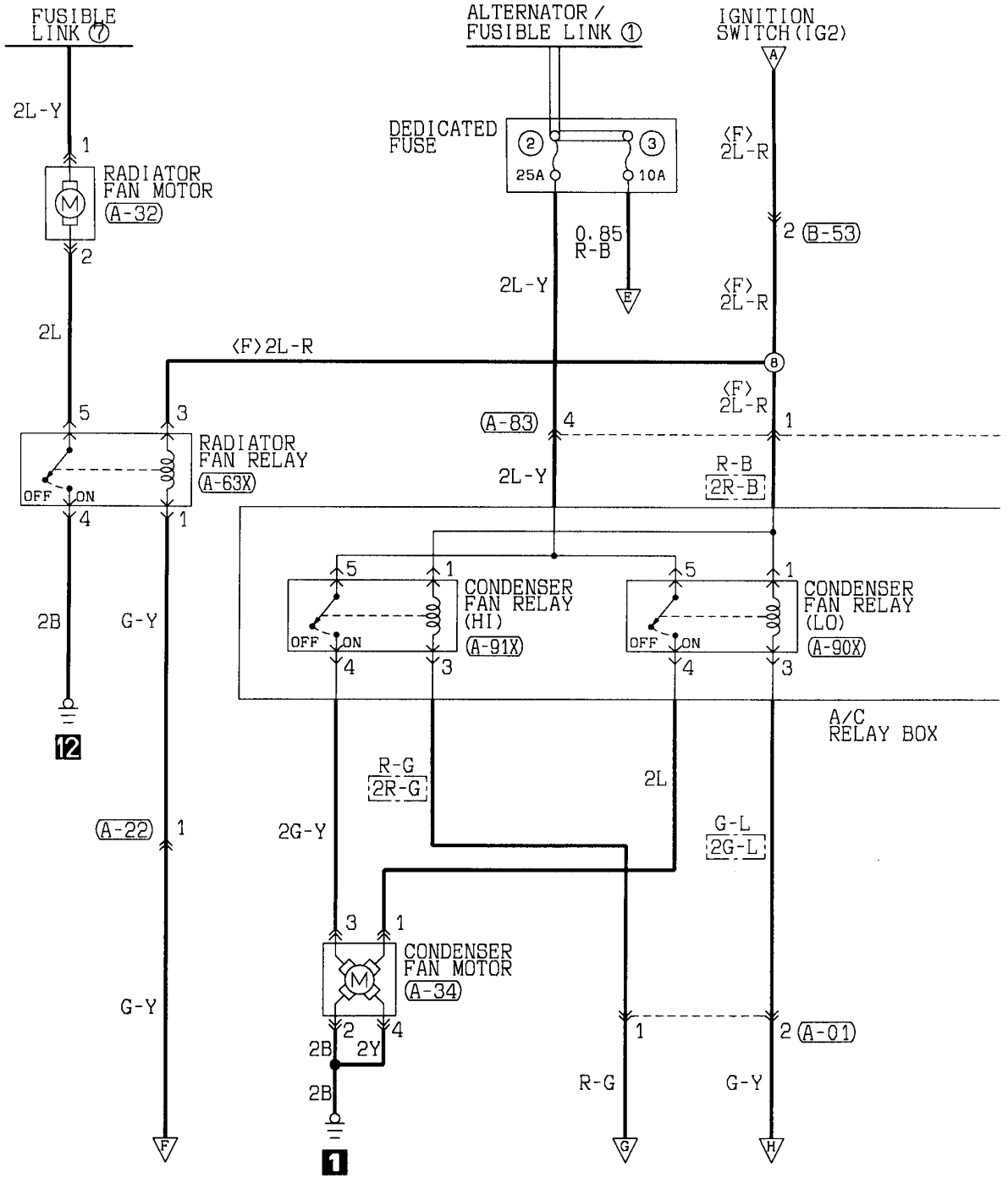
(B-86)



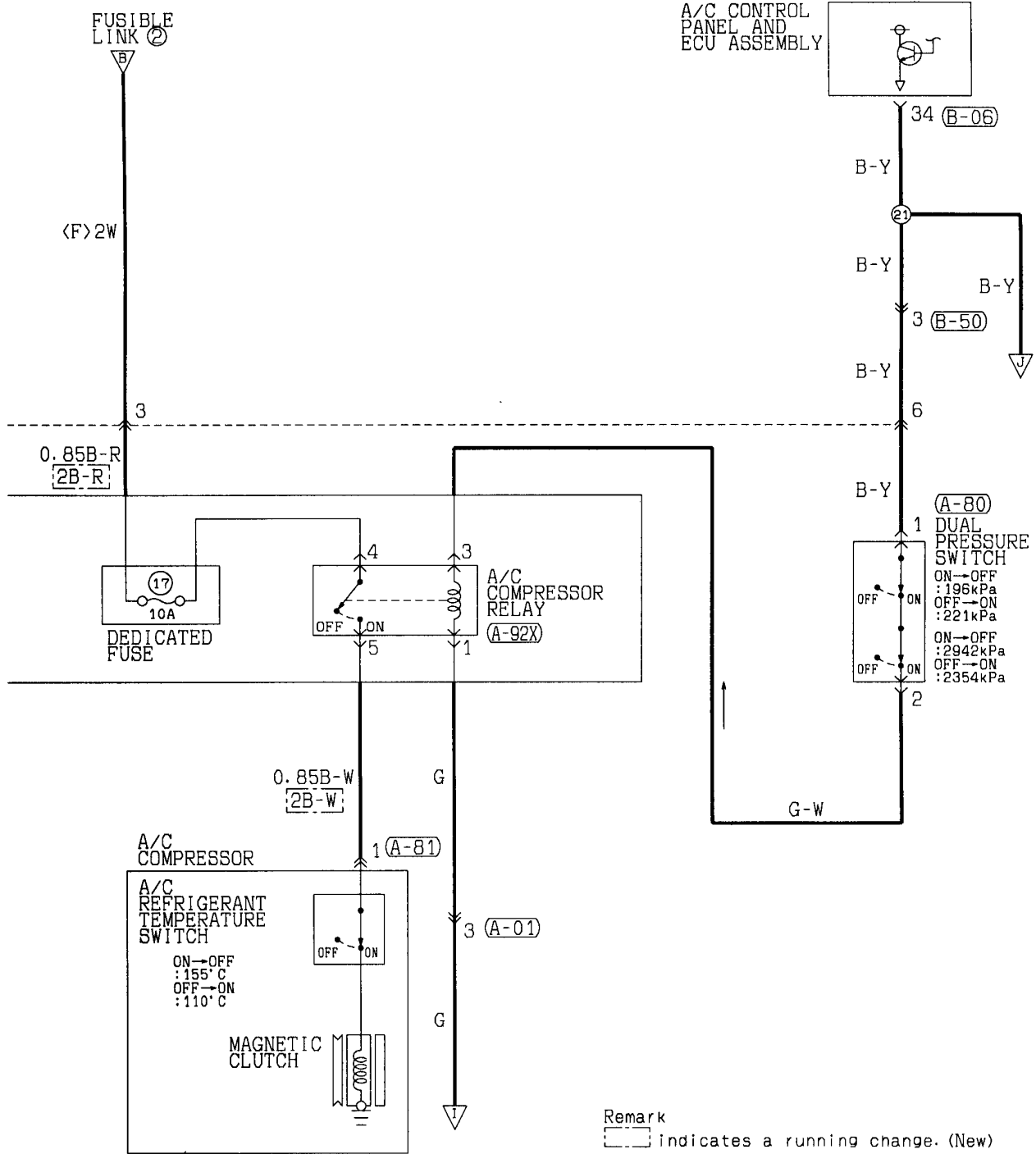
(B-89)



FULL-AUTO AIR CONDITIONER AND AIR PURIFIER (CONTINUED)



- (A-01)
- (A-22)
- (A-32)
- (A-34)
- (A-63X)
- (A-80)
- (A-81)
- (A-83)
- (A-90X)
- (A-91X)
- (A-92X)
- (B-06)



Remark  
 [ ] indicates a running change. (New)

(B-50)

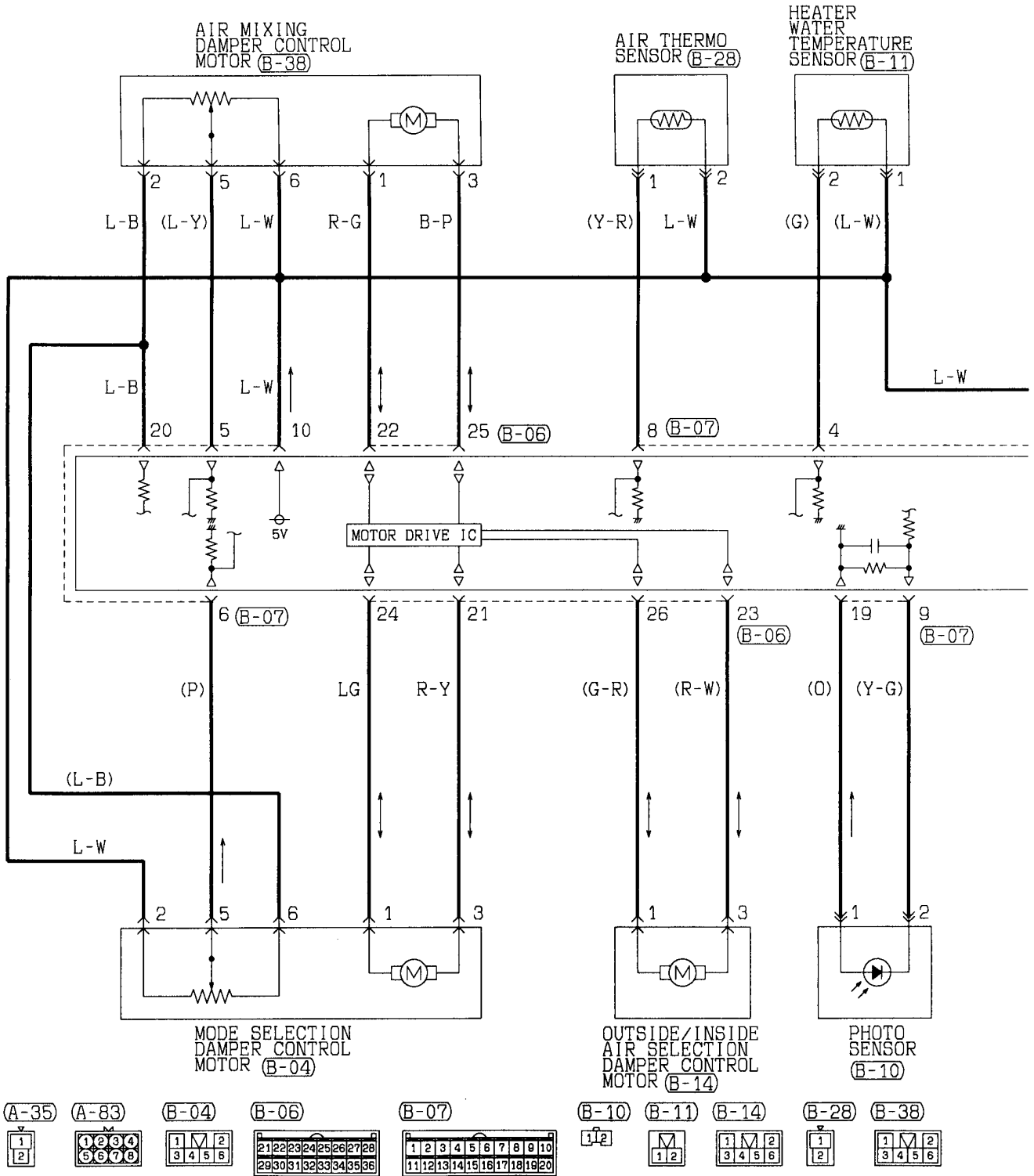
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

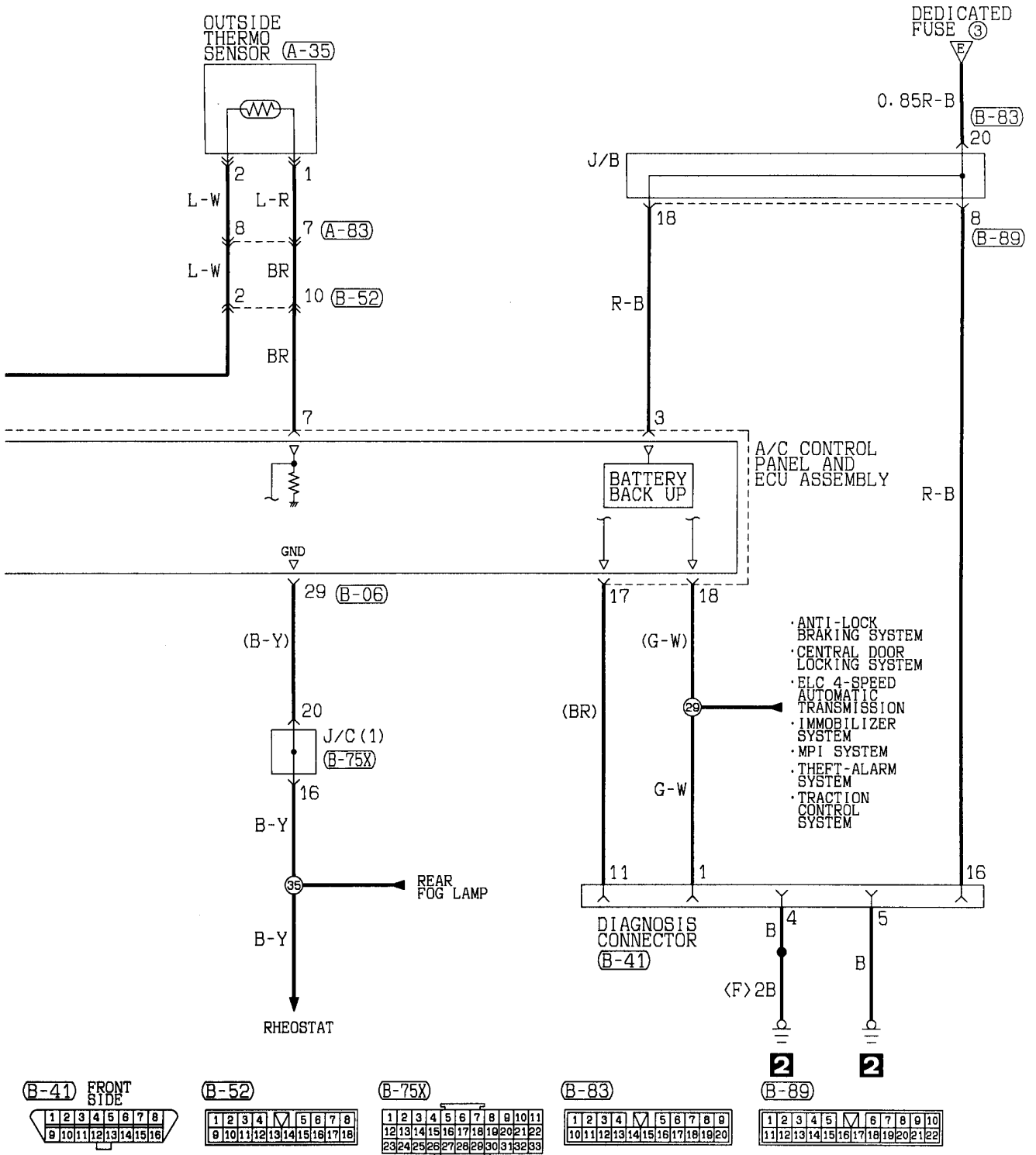
(B-53)

1	2		3	4
5	6	7	8	9
10				

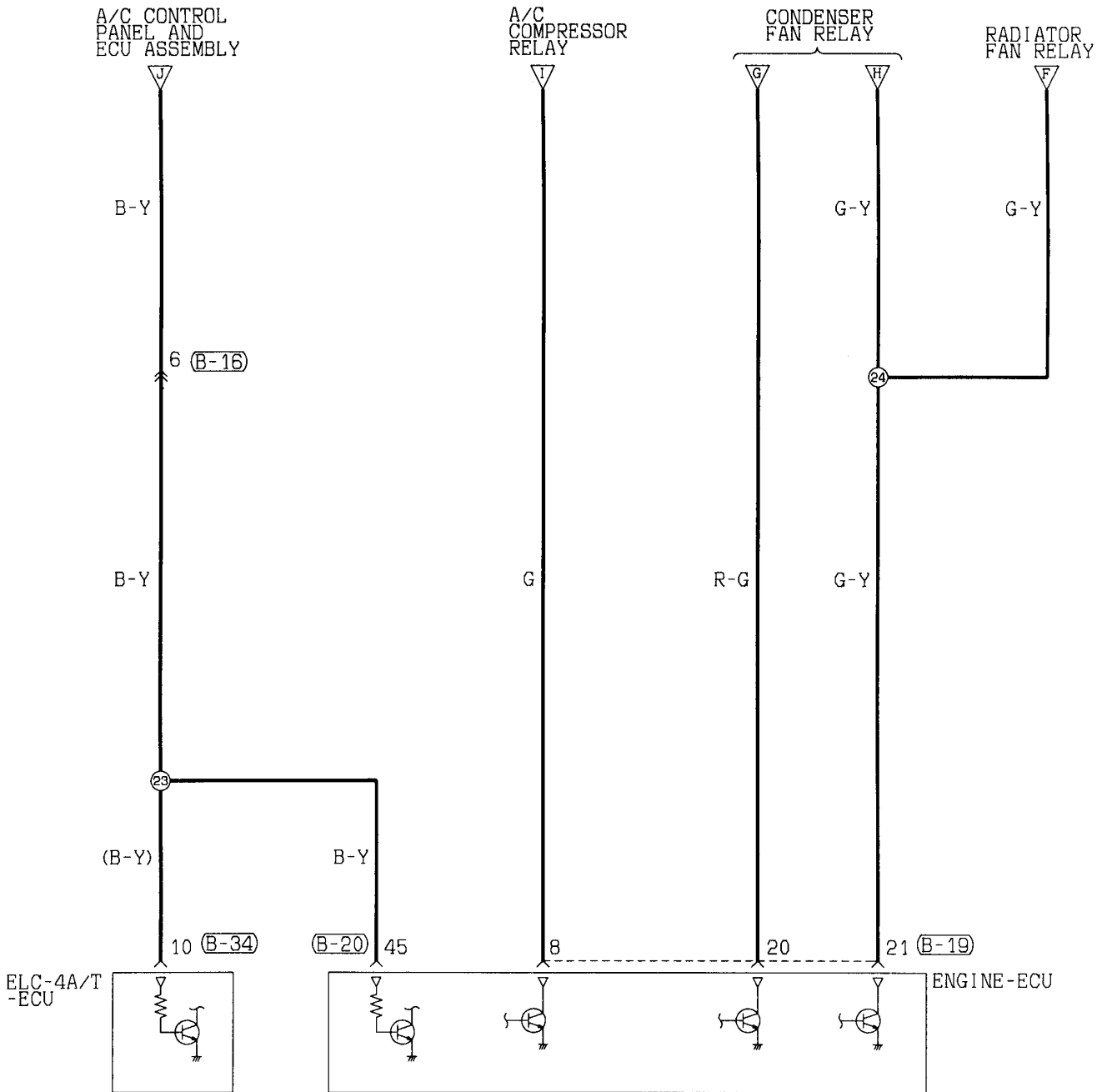


FULL-AUTO AIR CONDITIONER AND AIR PURIFIER (CONTINUED)





FULL-AUTO AIR CONDITIONER AND AIR PURIFIER (CONTINUED)



**WINDSHIELD WIPER AND WASHER (See P. 4-144.)****OPERATION****<Low-speed (and high-speed) wiper operation>**

- When the wiper switch is placed in the LO position with the ignition switch in the ACC or ON position, wipers operate continuously at low speed.
- Placing the wiper switch in the HI position causes the wipers to operate at high speed.

**<Automatic wiper stopping operation>**

- When the wiper switch is placed in the OFF position, the cam contacts of wiper motor caused current to flow through the automatic wiper stopping circuit, allowing the wiper blades to cycle before they reach to the stop positions.

**<Intermittent wiper operation>**

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open, however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

**<Washer-activated wiper operation>**

- When the washer switch is turned on, the intermittent wiper relay contacts close causing wipers to cycle two to three times.

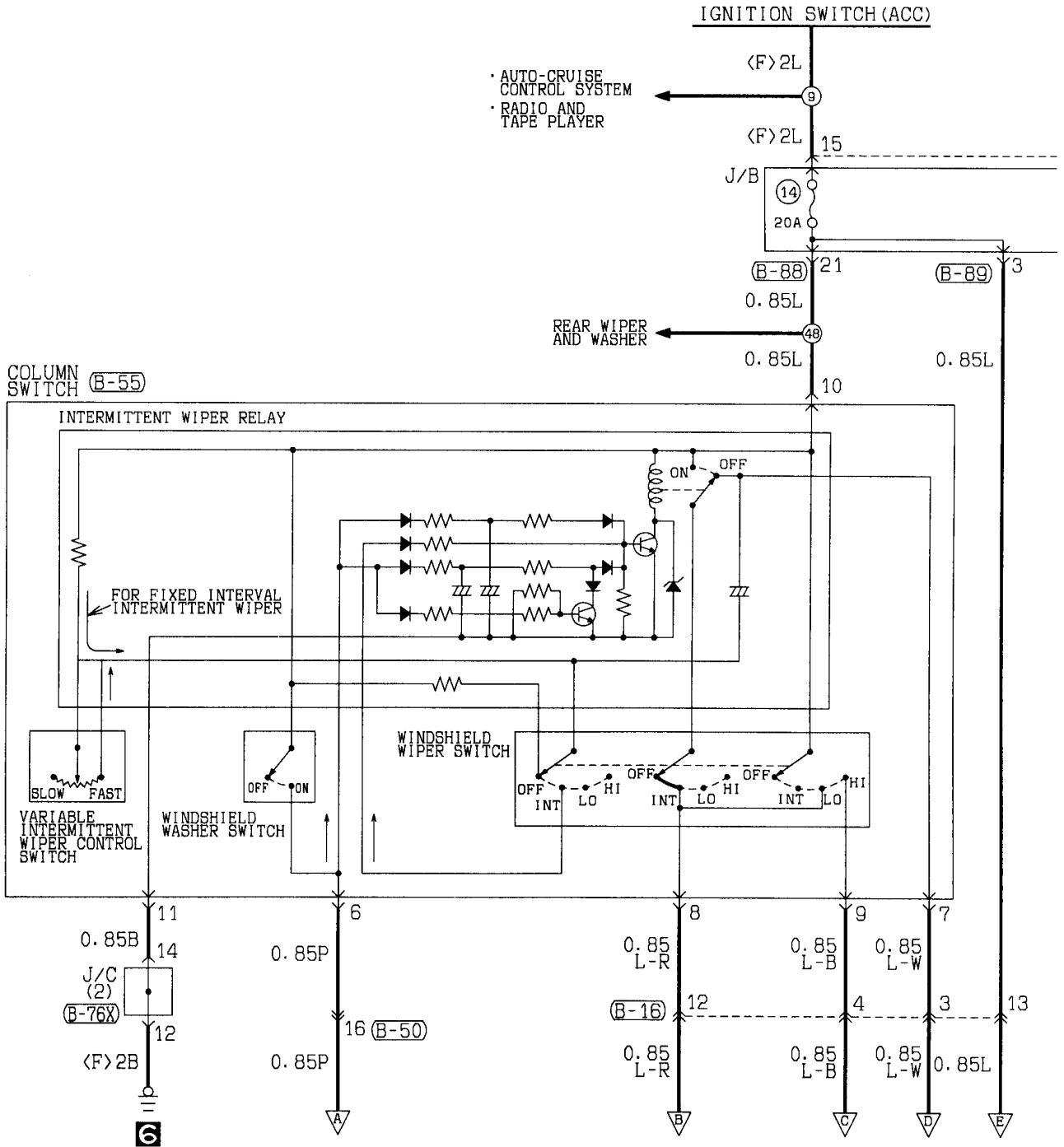
**TROUBLESHOOTING HINTS**

- Wipers do not operate.
  - Washer is not operative, either.
    - Check multi-purpose fuse No. (14).
    - Check earth.
- Low-speed (or high-speed) wiper operation only is inoperative.
  - Check wiper switch.
- Wipers do not stop.
  - Check wiper motor.
  - Check intermittent wiper relay.
  - Check wiper switch.
- Intermittent wiper operation is inoperative.
  - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized. (see below)
- The length of pause for intermittent operation cannot be varied.
  - Check variable intermittent wiper control switch.
  - Check intermittent wiper relay.
- Washer is inoperative.
  - Wiper is operative on washer-activated wiper operation.
    - Check washer motor.
  - Washer-activated wiper operation is inoperative also.
    - Check washer switch.
- Washer-activated wiper operation is inoperative.
  - Check intermittent wiper relay.

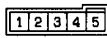
Terminal No.	Voltage	Check
8	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	– (Normal)

WINDSHIELD WIPER AND WASHER

90100610251



(A-04)



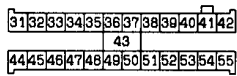
(A-43)



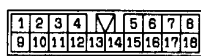
(A-46)



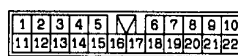
(B-05)



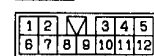
(B-16)

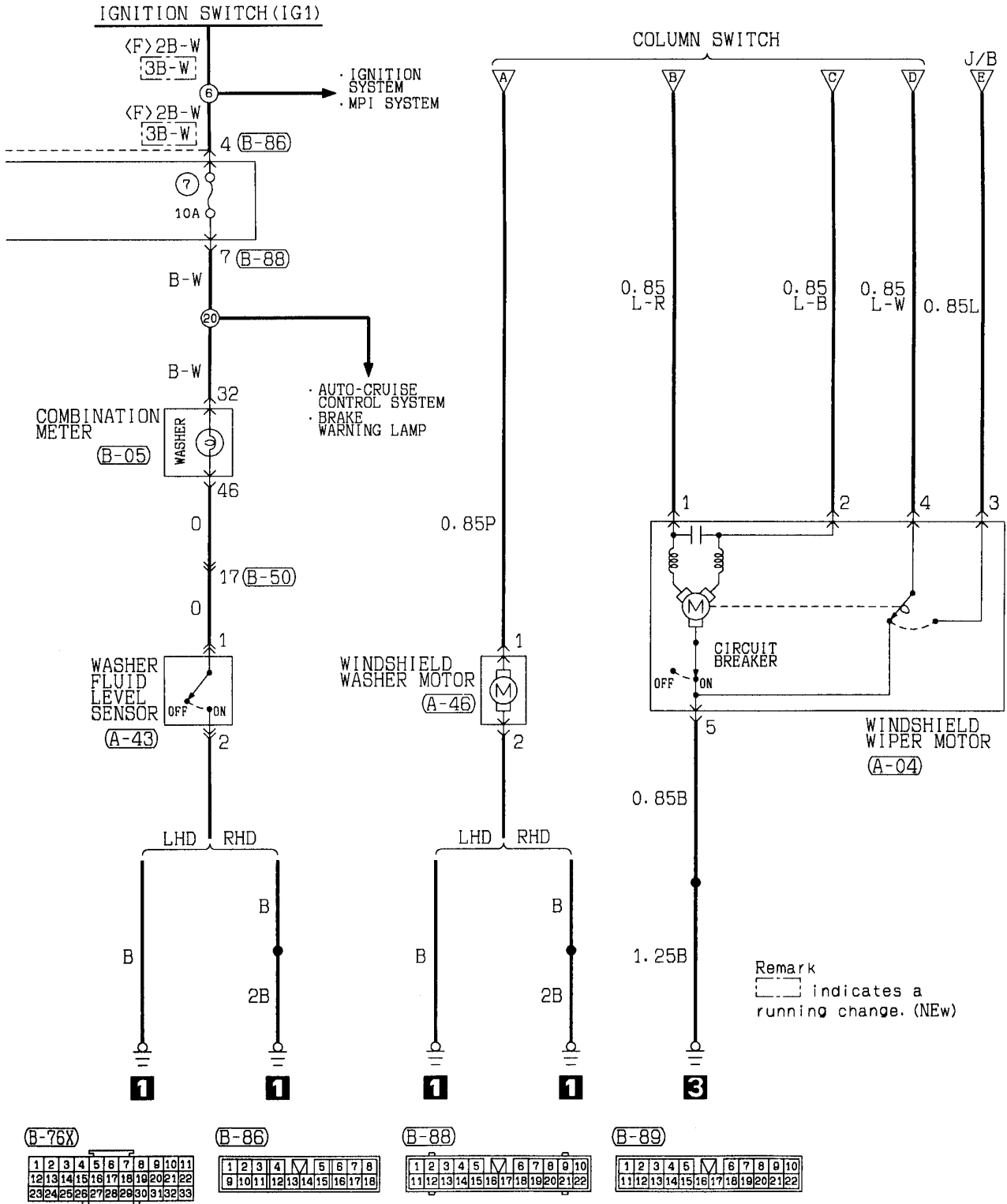


(B-50)



(B-55)

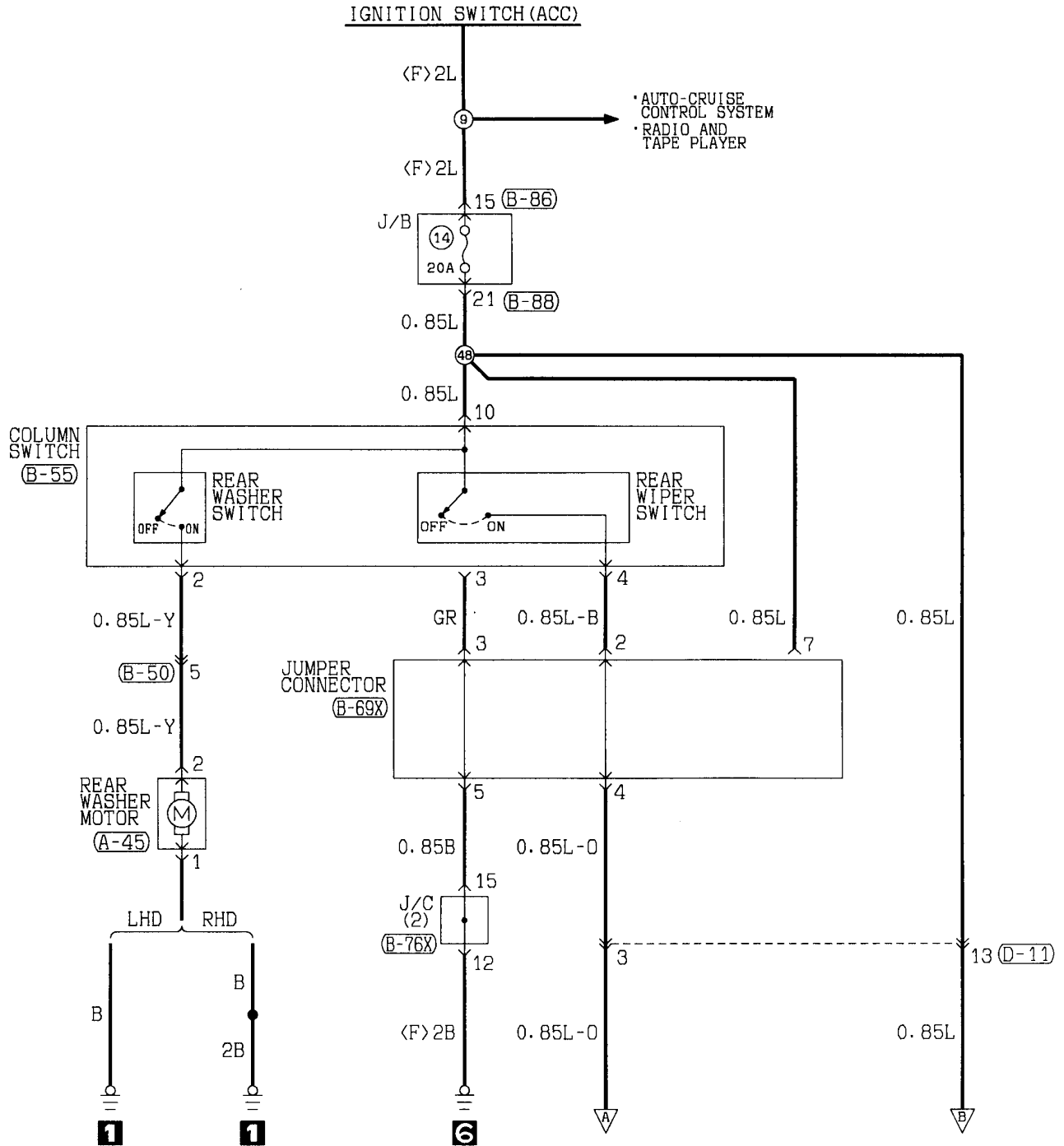




REAR WIPER AND WASHER

90100620186

Vehicles without intermittent wiper



(A-45)

1
2

(B-50)

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

(B-55)

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

(B-69X)

1	2	3
4	5	6
7	8	9

(B-76X)

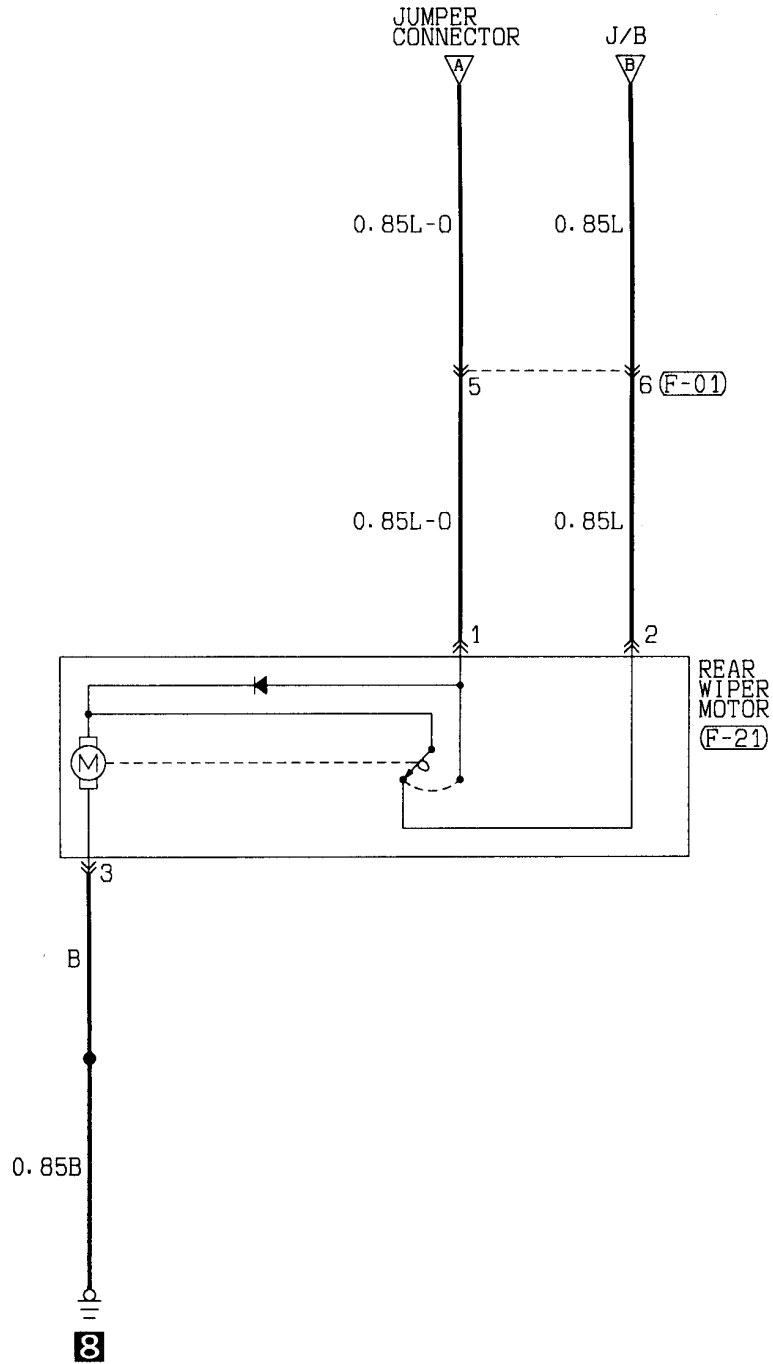
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-86)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-88)

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



D-11

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

F-01

1	2	3
4	5	6
7	8	

F-21

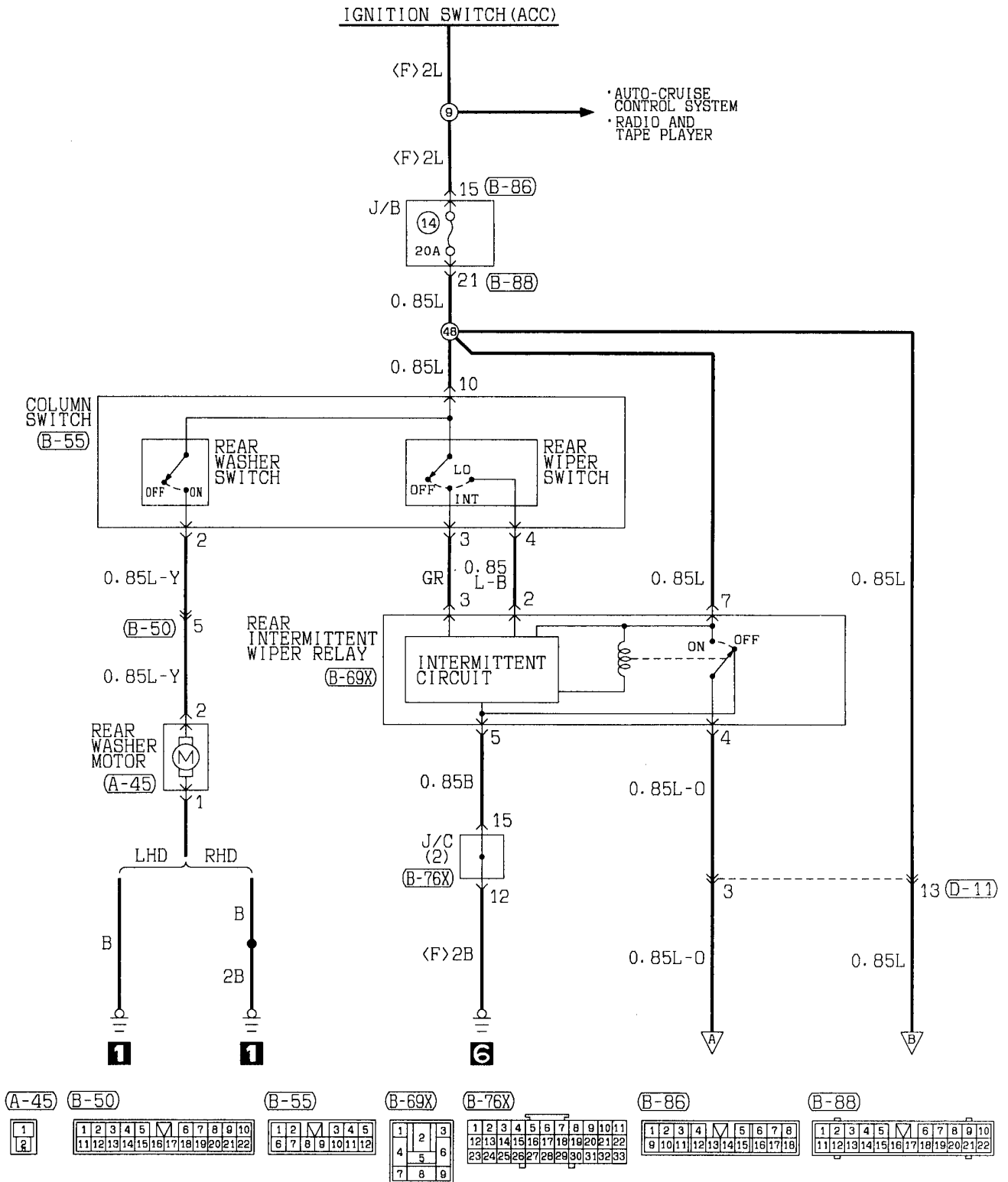
1	2	3

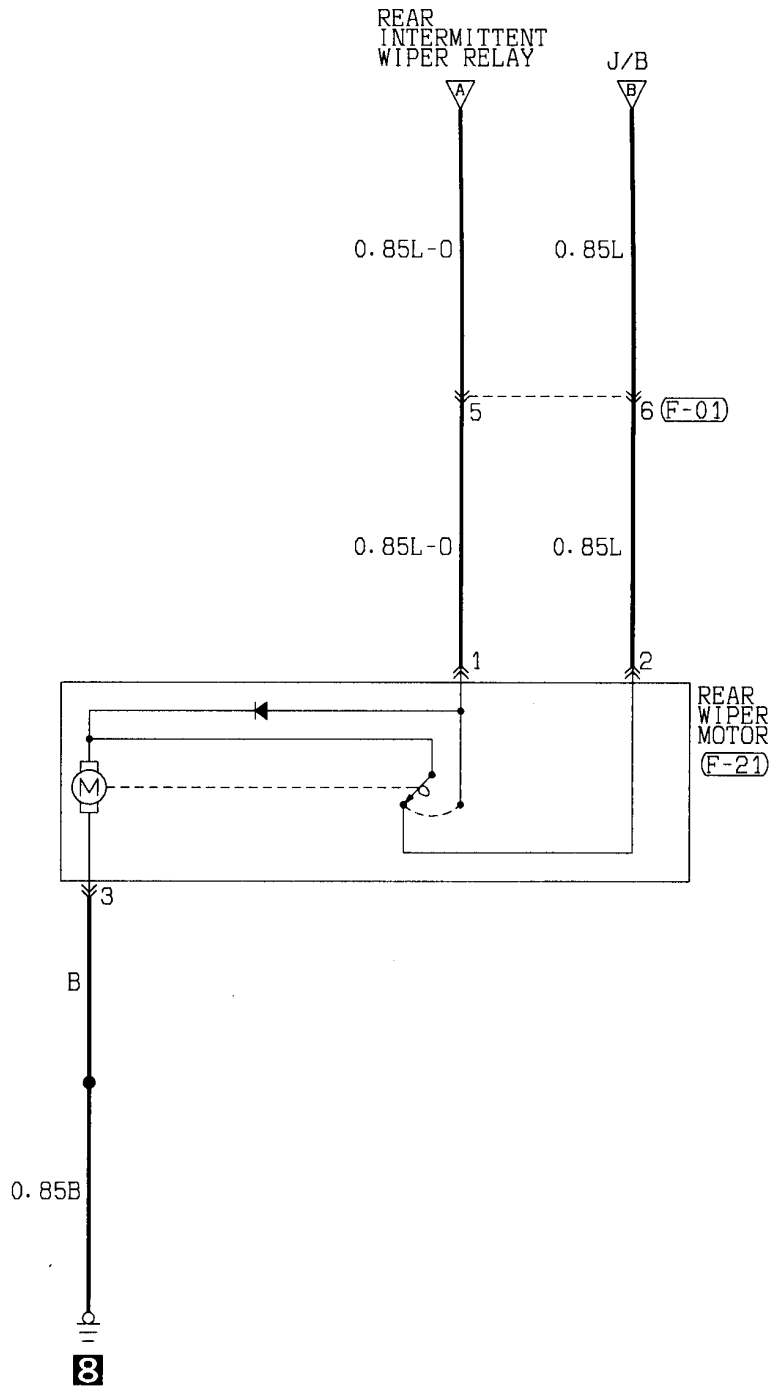


REAR WIPER AND WASHER

90100620193

Vehicles with intermittent wiper





(D-11)

(F-01)

(F-21)

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

1	2	3
4	5	6
7	8	

1	2	3
4	5	6
7	8	

**REAR WIPER AND WASHER (See P. 4-146, 148.)****OPERATION**

- When the wiper switch is placed in the ON or LO position with the ignition switch in the ACC or ON position, wipers operate continuously.

**<Automatic wiper stopping operation>**

- When the wiper switch is placed in the OFF position, the cam contacts of wiper motor causes current to flow through the automatic wiper stopping circuit, allowing the wiper blades to cycle before they reach to the stop positions.

**<Intermittent wiper operation>**

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.
- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open, however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

**TROUBLESHOOTING HINTS**

1. Wipers do not operate.
  - (1) Washer is not operative, either.
    - Check multi-purpose fuse No. (14).
    - Check earth.
    - Check wiper switch.
2. Wipers do not stop.
  - Check wiper motor.
  - Check intermittent wiper relay.
  - Check wiper switch.
3. Intermittent wiper operation is inoperative.
  - While the intermittent wiper relay is being operated, check terminal voltage of the intermittent wiper relay energized. (Refer to the table below.)
4. Washer is inoperative.
  - Check washer motor.
  - Check washer switch.

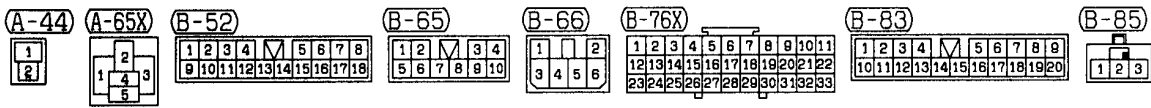
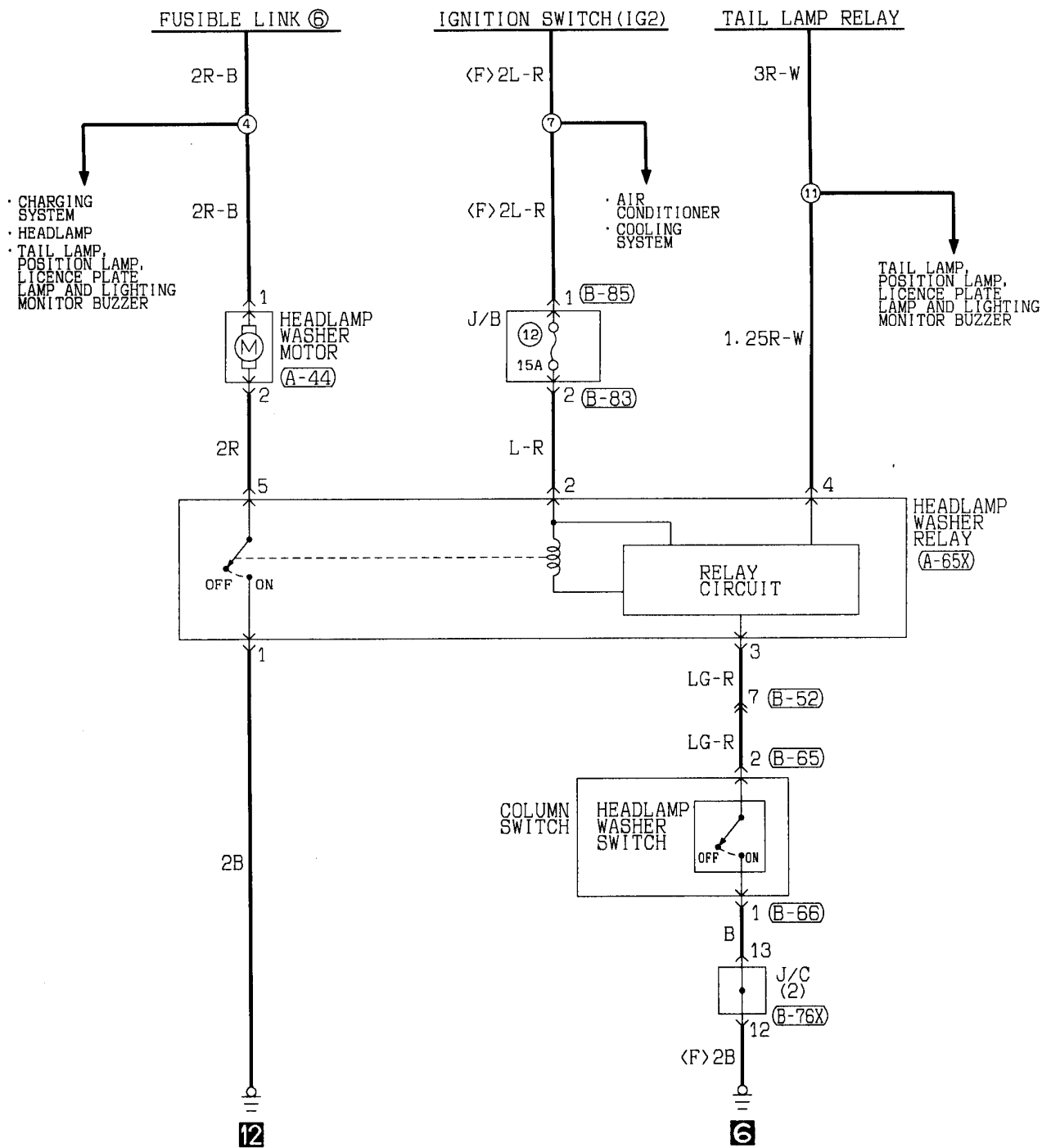
**HEADLAMP WASHER (See P. 4-151)****OPERATION**

- When the headlamp washer switch is turned ON with ignition switch in ON and lighting switch in TAIL or HEAD position, the headlamp washer relay is energized causing the headlamp washer motor to start.

Terminal No.	Voltage	Check
4	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	- (Standard)

HEADLAMP WASHER

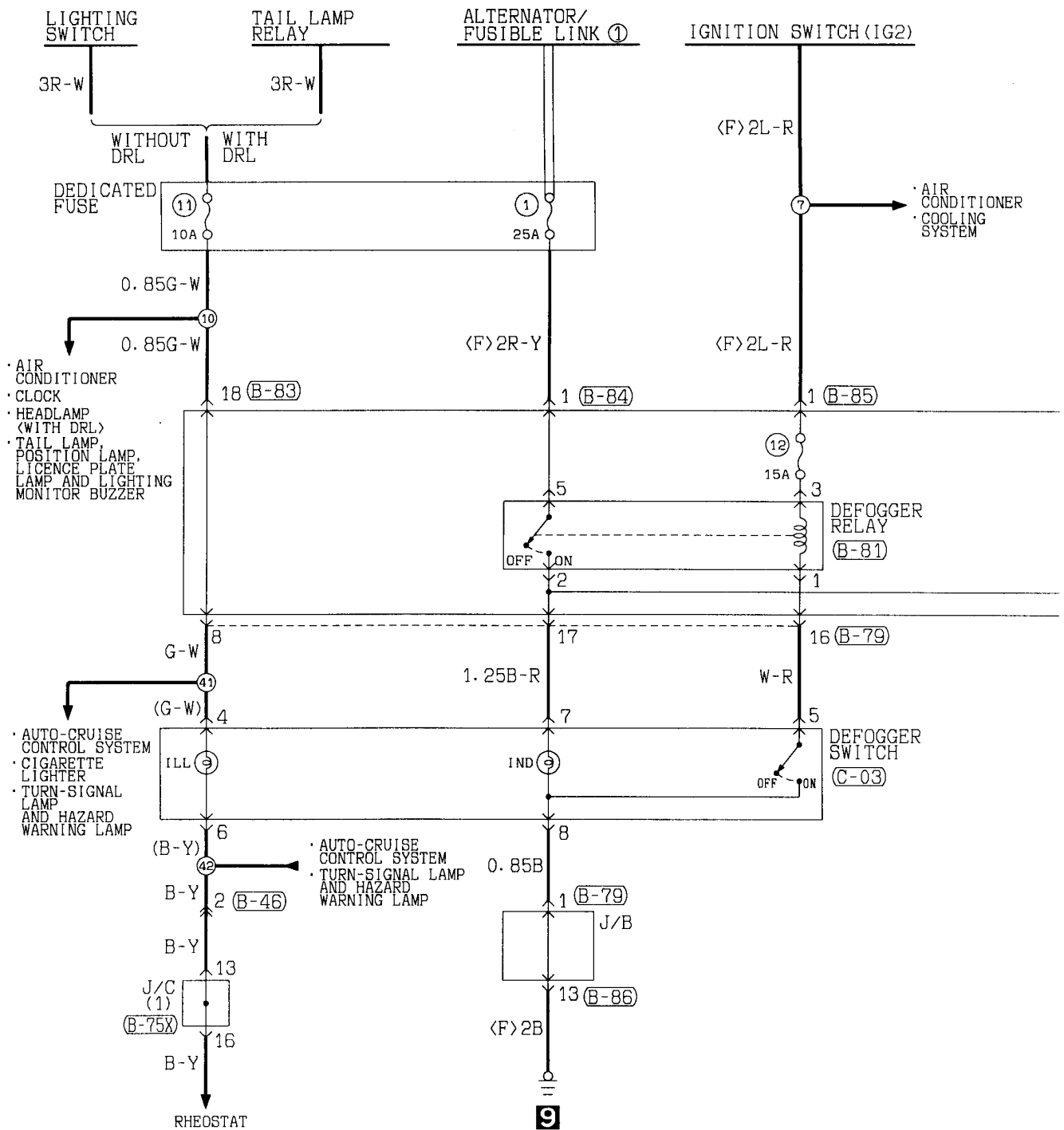
90100630110



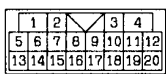
DEFOGGER AND DOOR MIRROR HEATER

90101350084

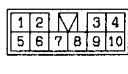
L.H. drive vehicles



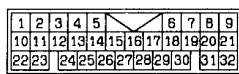
(B-18)



(B-46)



(B-49)



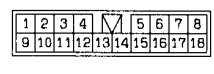
(B-75X)



(B-76X)



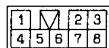
(B-79)



(E-09)



(F-01)

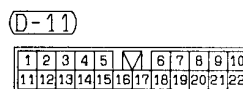
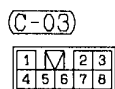
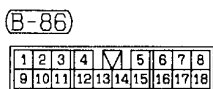
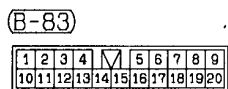
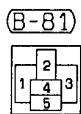
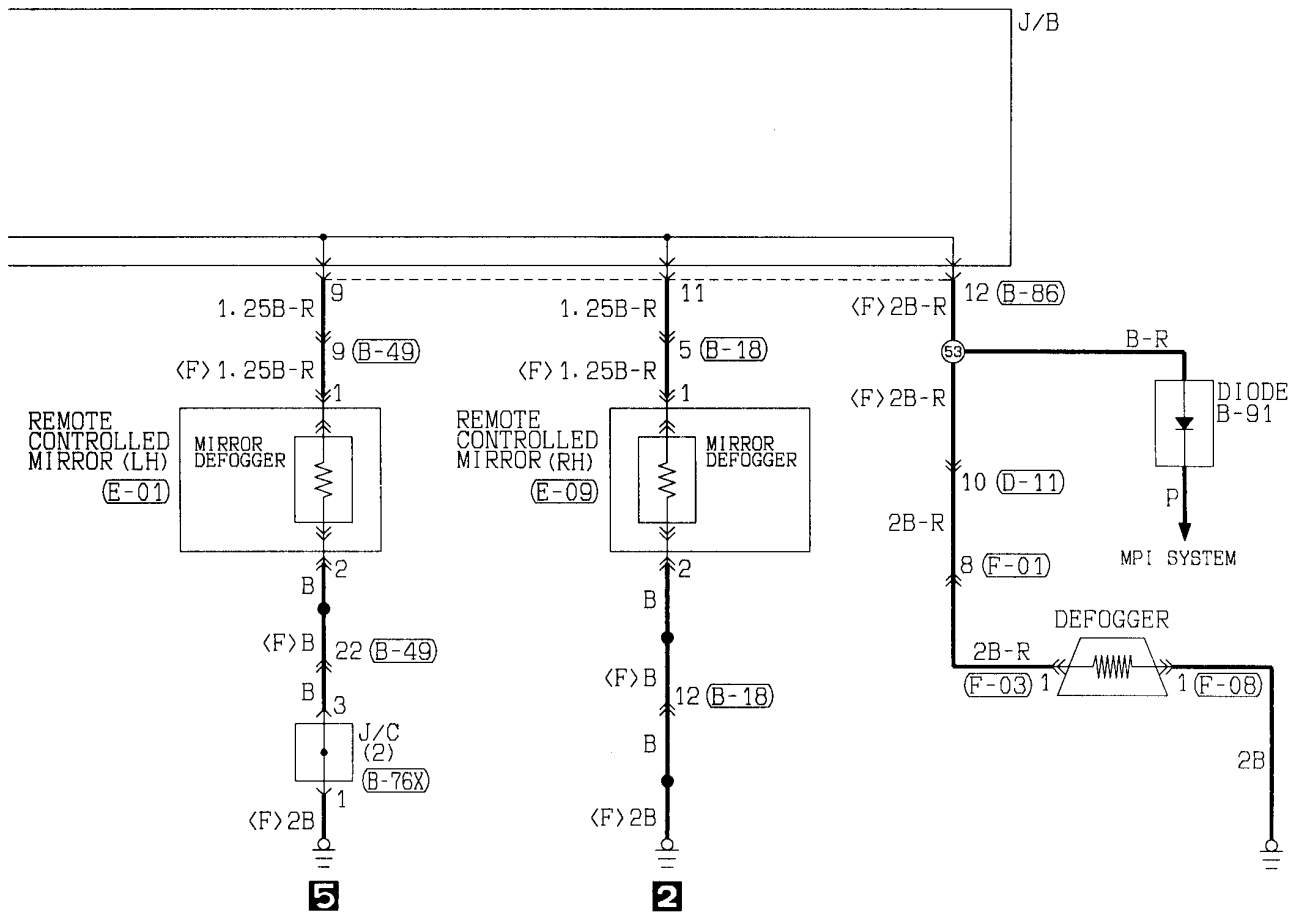


(F-03)



(F-08)

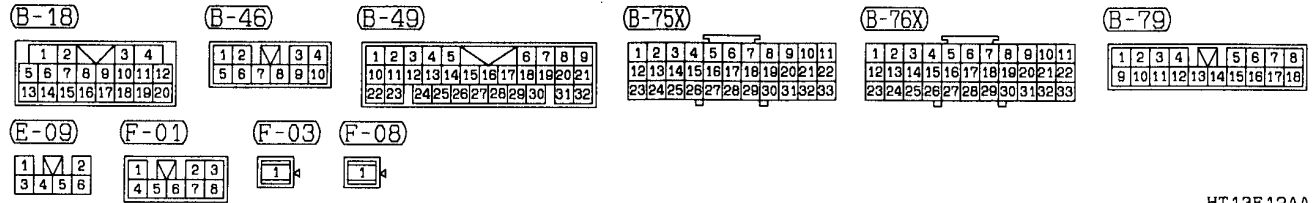
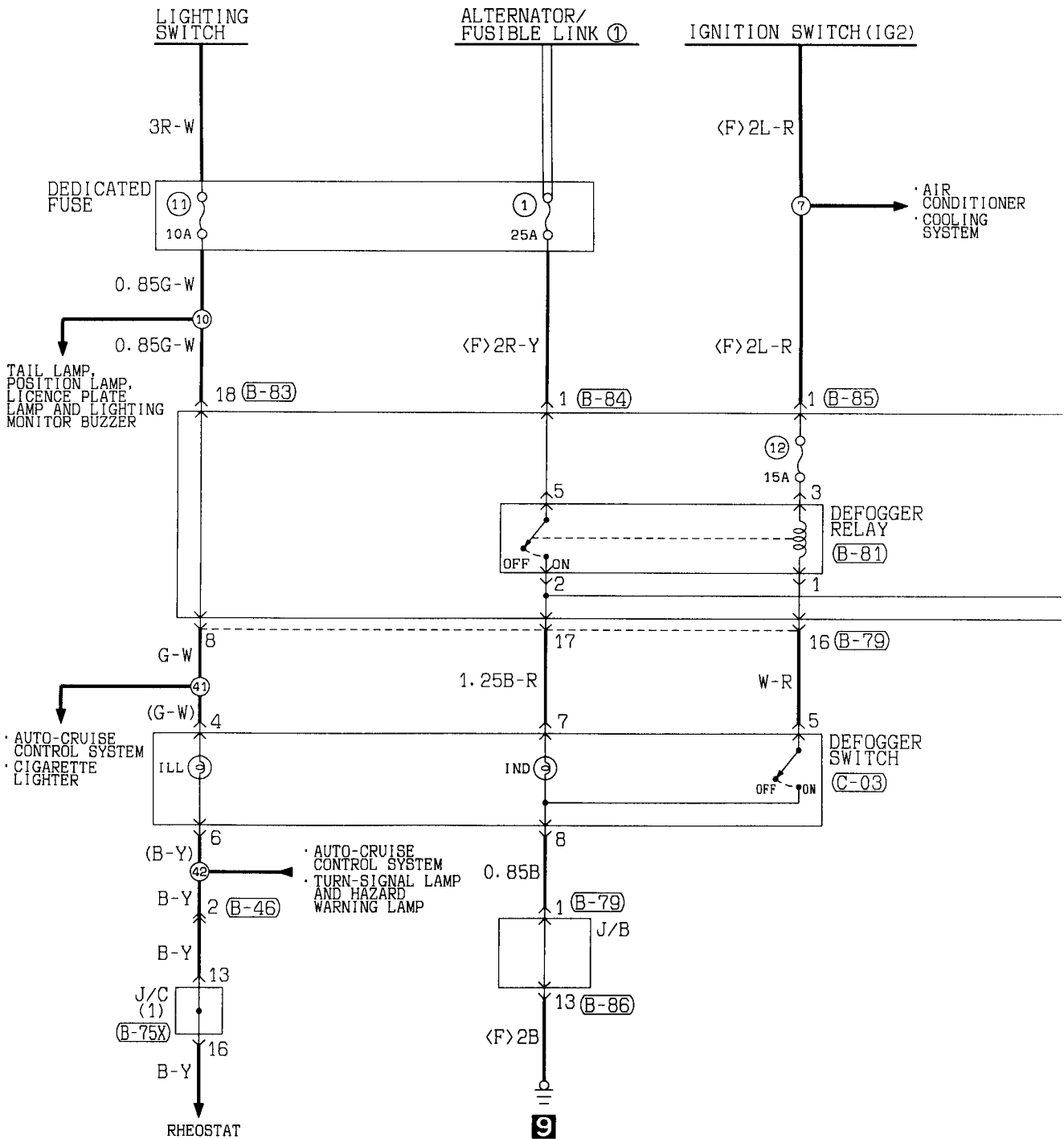


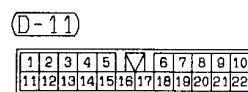
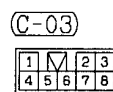
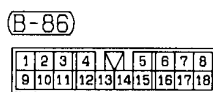
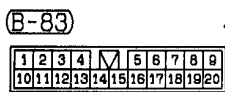
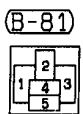
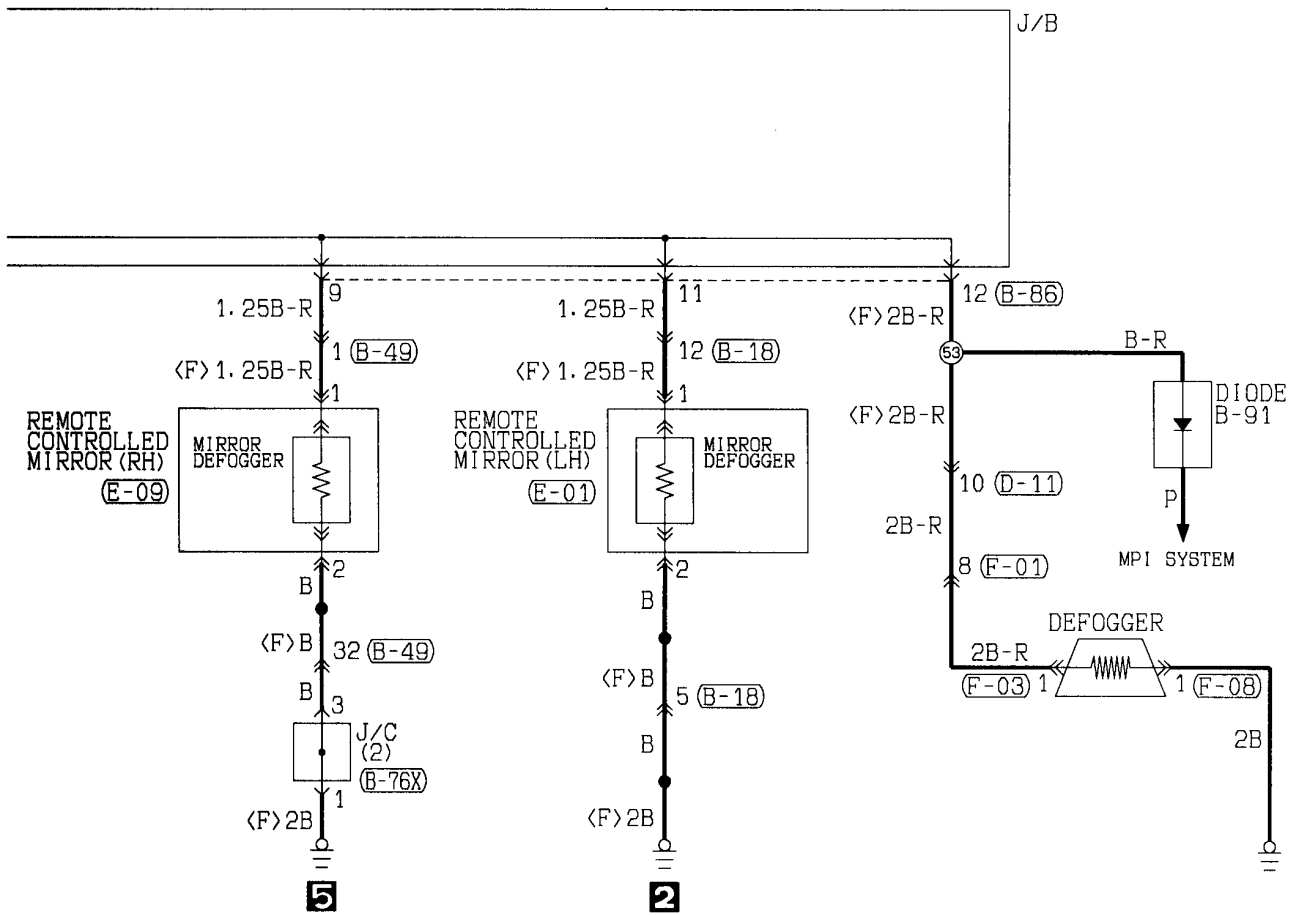


DEFOGGER AND DOOR MIRROR HEATER

90101350091

R.H. drive vehicles

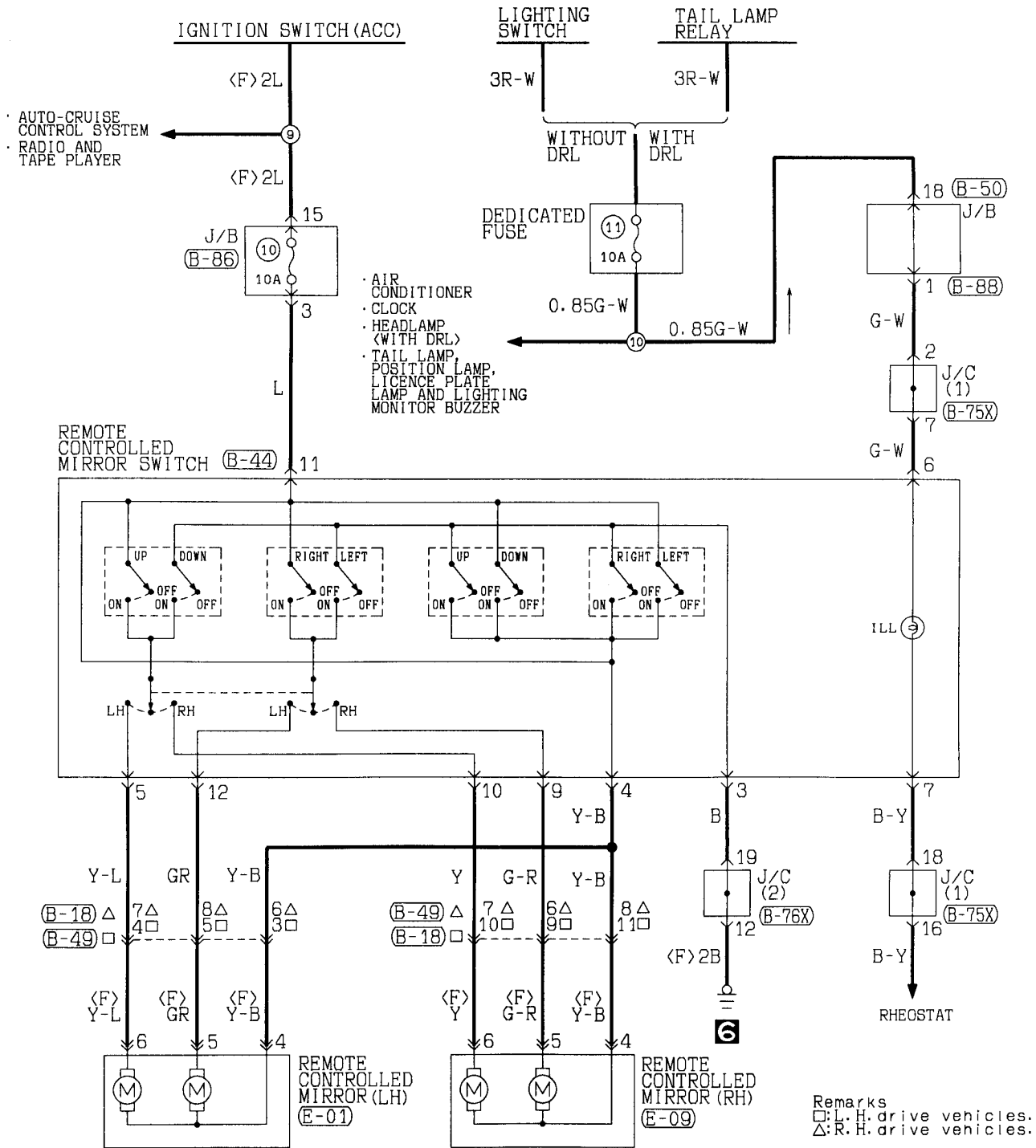






REMOTE CONTROLLED MIRROR

90100650208



(B-18)

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

(B-44)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36

(B-50)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42	43	44

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41	42	43	44

(B-86)

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

(B-88)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

(E-01)

1	2
3	4
5	6

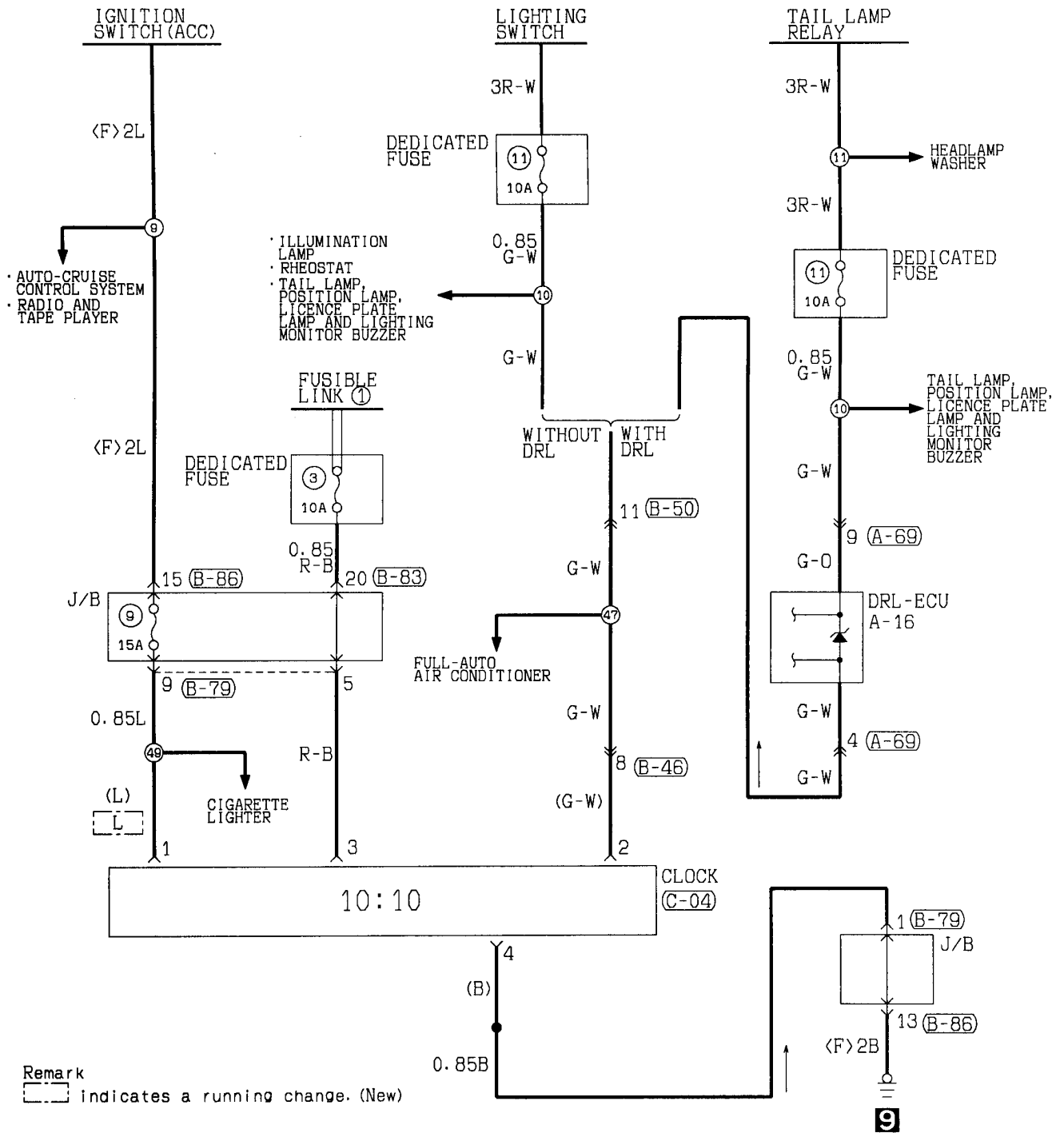
(E-09)

1	2
3	4
5	6

CLOCK

90100770157

L.H. drive vehicles

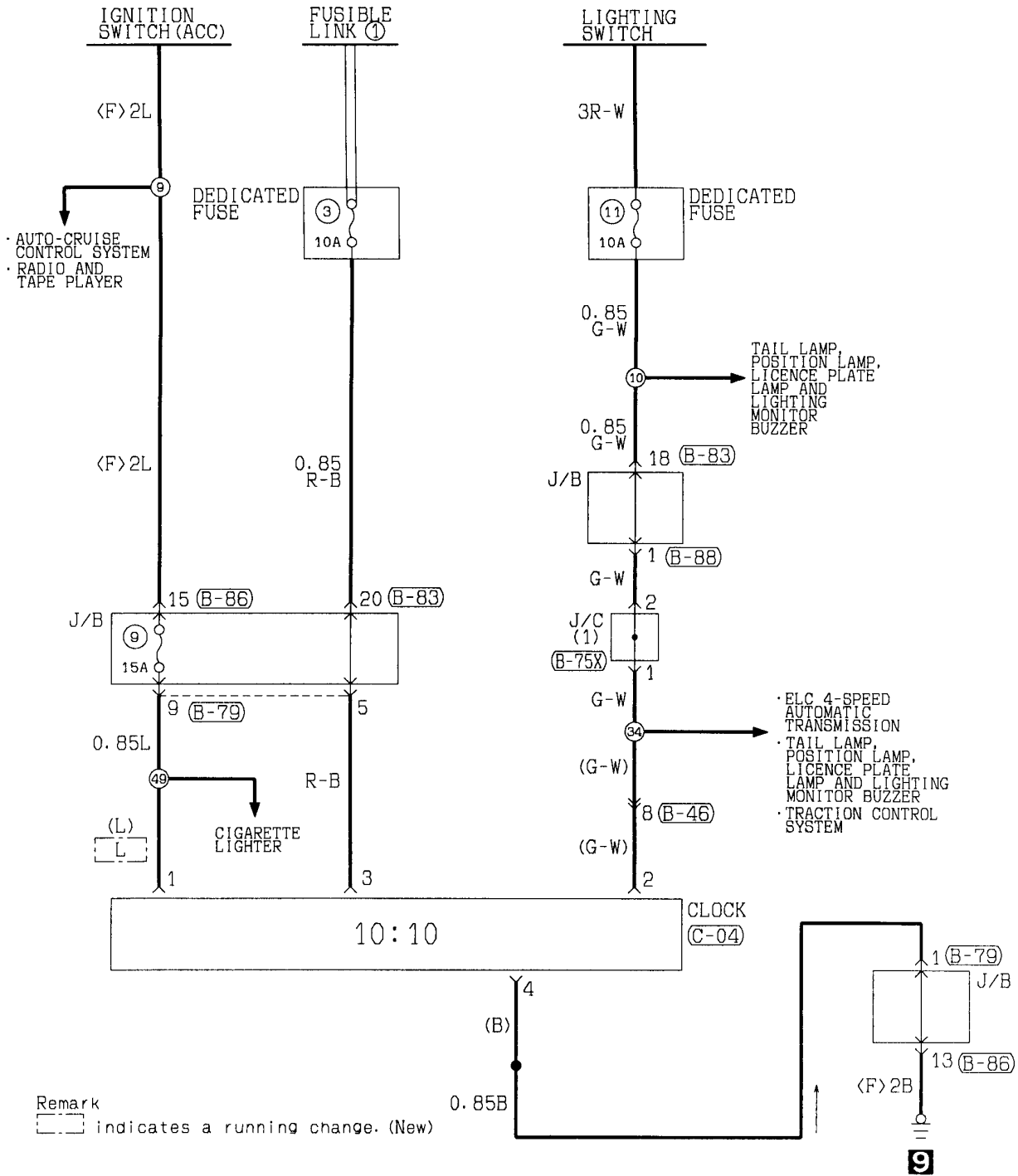


<b>A-69</b>	<b>B-46</b>	<b>B-50</b>	<b>B-79</b>	<b>B-83</b>	<b>B-86</b>	<b>C-04</b>
1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 10	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4

CLOCK

90100770164

R.H. drive vehicles

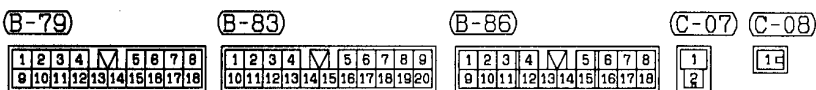
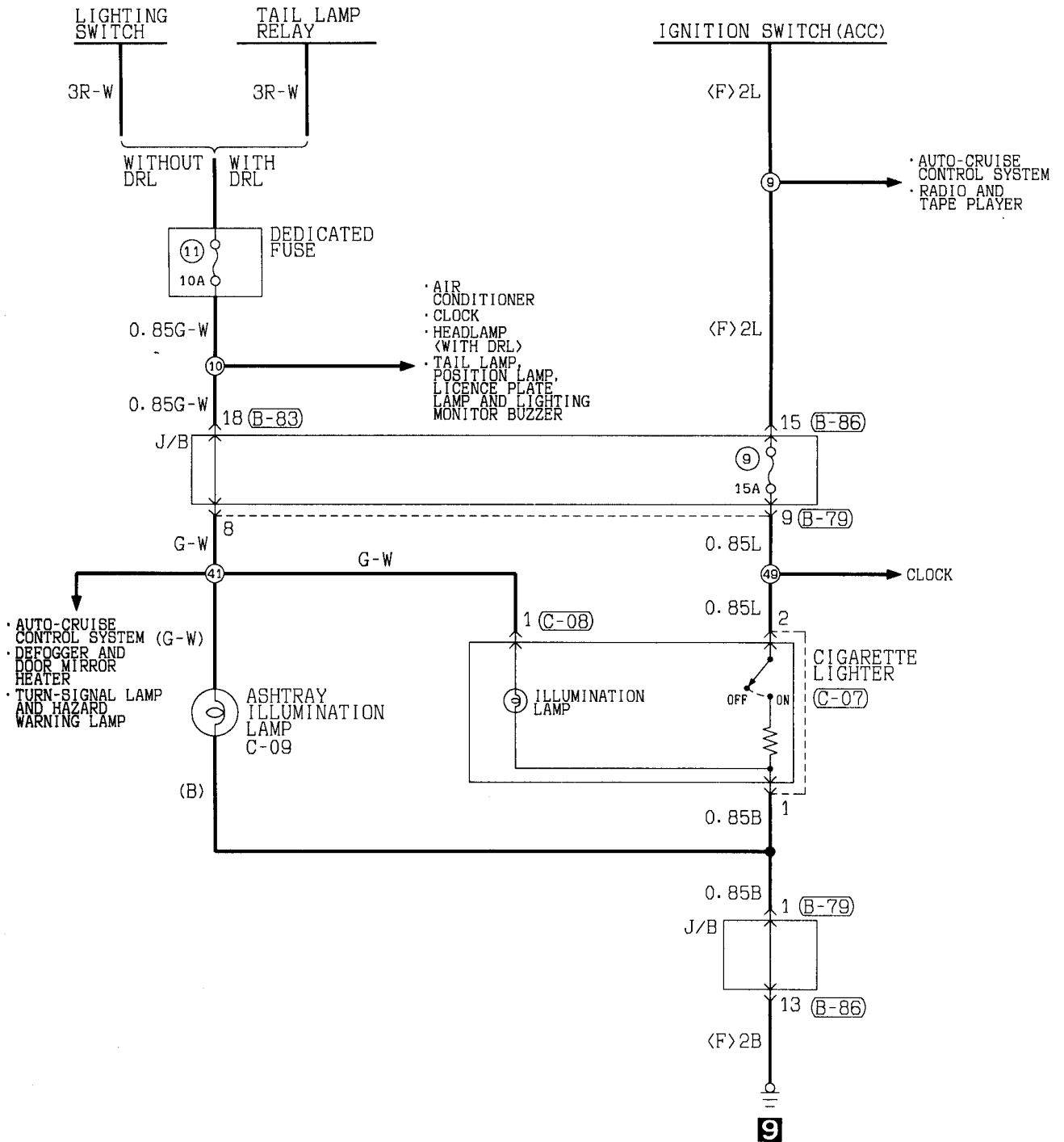


Remark   indicates a running change. (New)

(B-46)	(B-75X)	(B-79)	(B-83)	(B-86)	(B-88)																																																																																																																													
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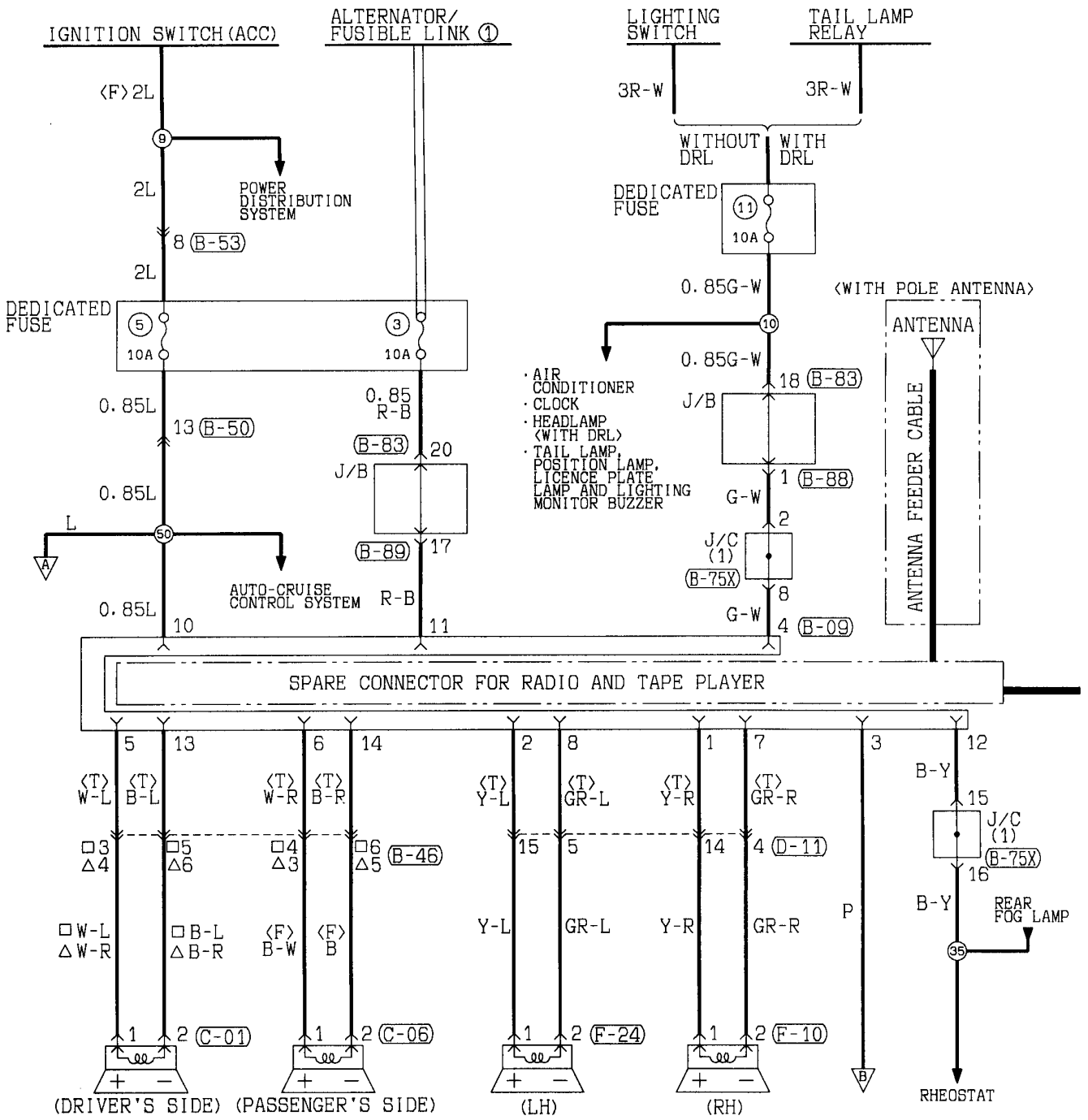
CIGARETTE LIGHTER

90100780167



**RADIO AND TAPE PLAYER (VEHICLE HARNESS WITHOUT RADIO AND TAPE PLAYER COMPONENT)**

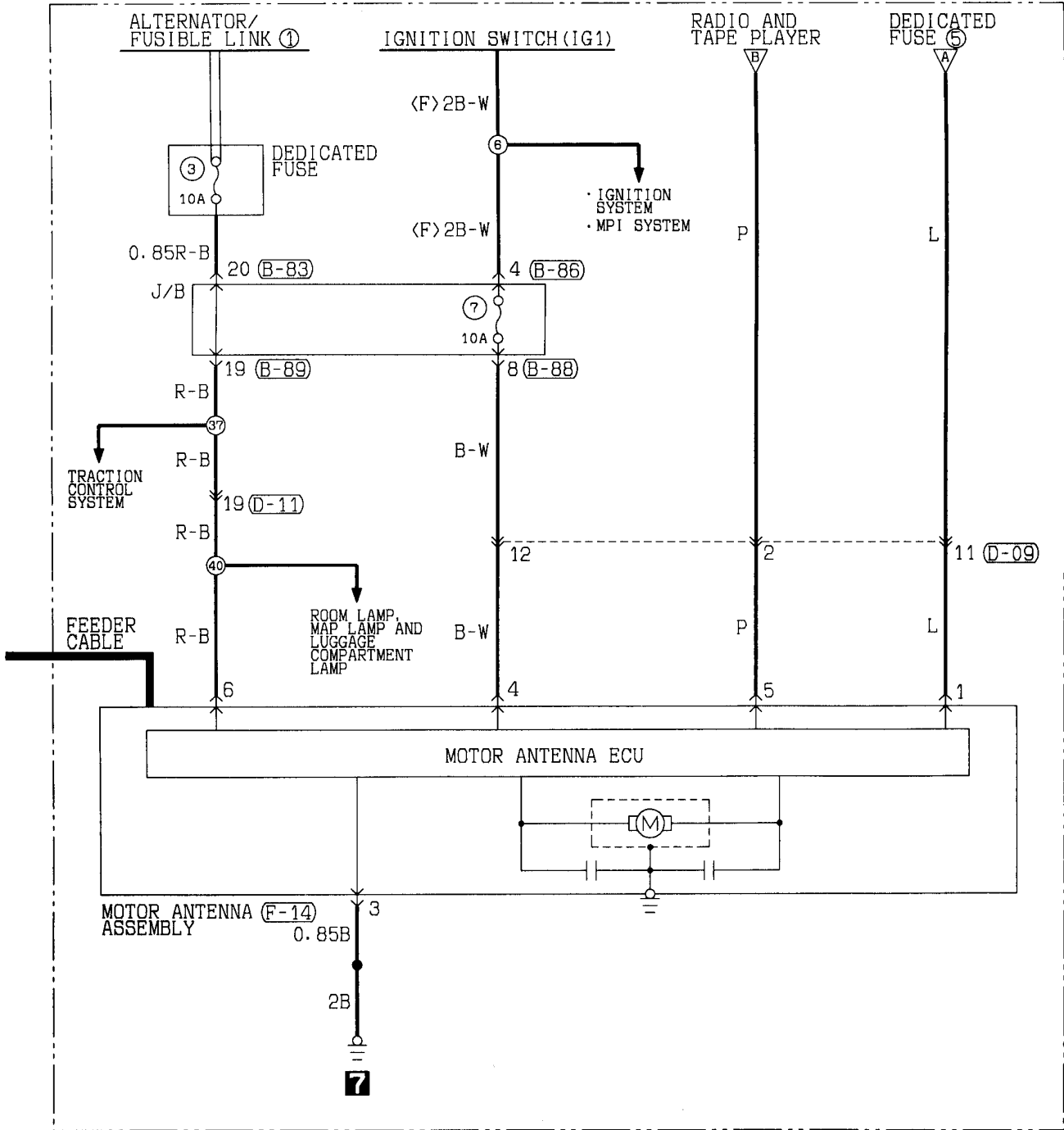
90100720381



Remarks  
 □: L. H. drive vehicles.  
 △: R. H. drive vehicles.

<b>(B-09)</b> 6 5 4 3 2 1 14 13 12 11 10 9 8 7	<b>(B-46)</b> 1 2 3 4 5 6 7 8 9 10	<b>(B-50)</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<b>(B-53)</b> 1 2 3 4 5 6 7 8 9 10	<b>(B-75X)</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	<b>(B-83)</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
<b>(D-11)</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	<b>(F-10)</b> 1 2	<b>(F-14)</b> 1 2 3 4 5 6	<b>(F-24)</b> 1 2		

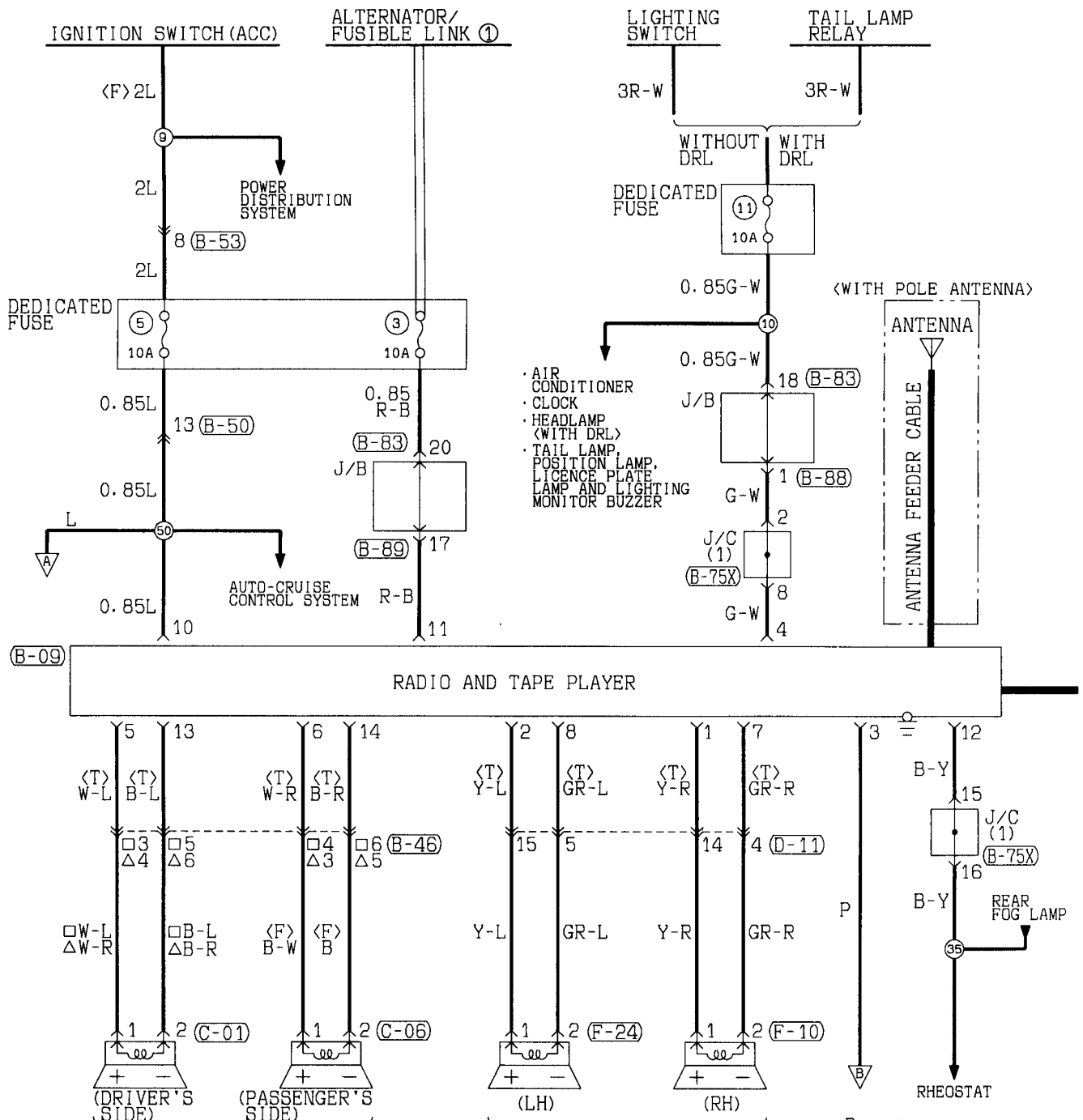
<WITH MOTOR ANTENNA>



<b>B-86</b>	<b>B-88</b>	<b>B-89</b>	<b>C-01</b>	<b>C-06</b>	<b>D-09</b>
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1 2	1 2	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

RADIO AND TAPE PLAYER

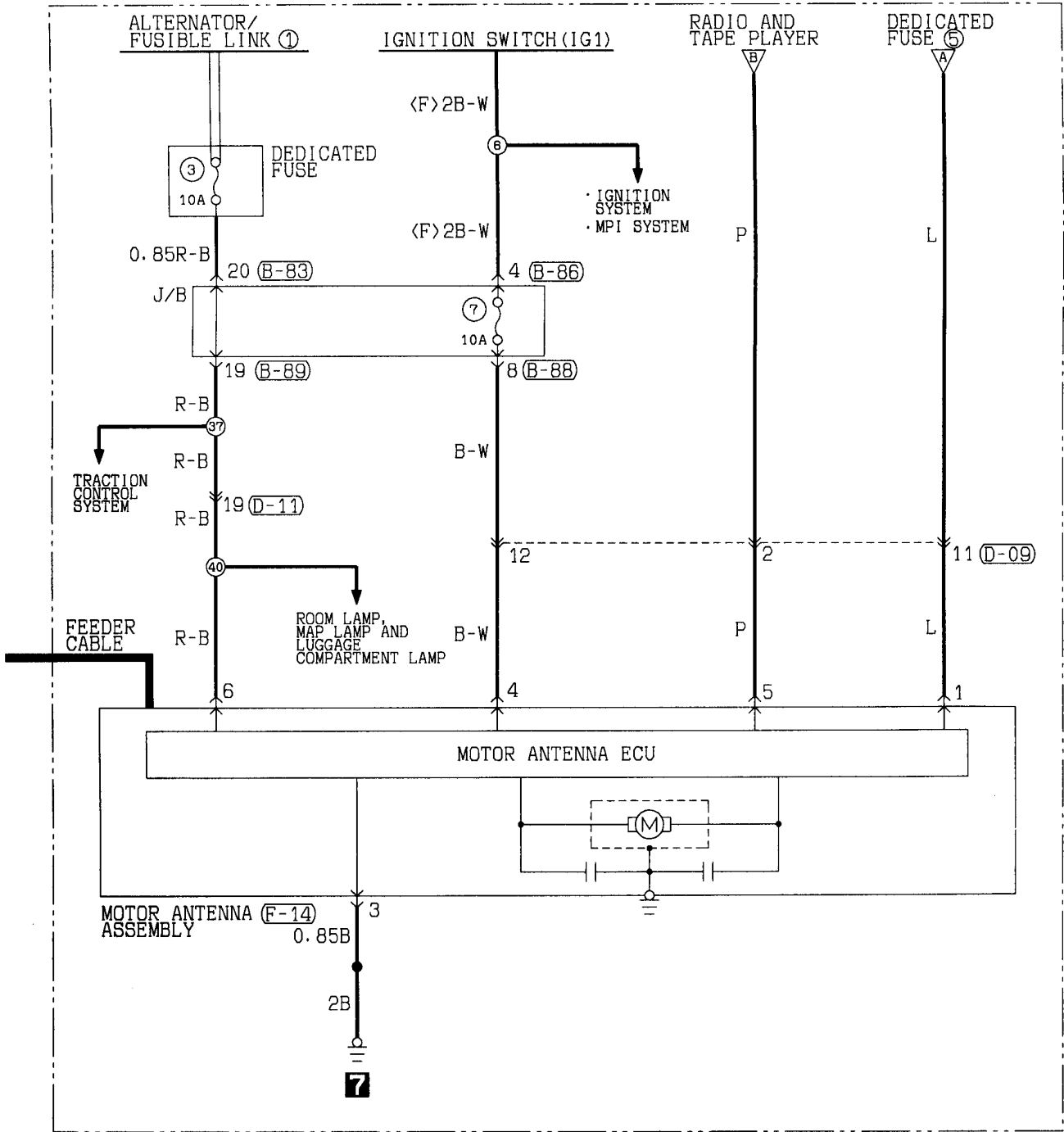
90100720398



Remarks  
 □: L.H. drive vehicles.  
 Δ: R.H. drive vehicles.

<b>(B-09)</b>	<b>(B-46)</b>	<b>(B-50)</b>	<b>(B-53)</b>	<b>(B-75X)</b>	<b>(B-83)</b>																																																																																																																			
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<b>(D-11)</b>	<b>(F-10)</b>	<b>(F-14)</b>	<b>(F-24)</b>																																																																																																																					
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<WITH MOTOR ANTENNA>



(B-86)

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

(B-88)

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

(B-89)

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

(C-01)

1
2

(C-06)

1
2

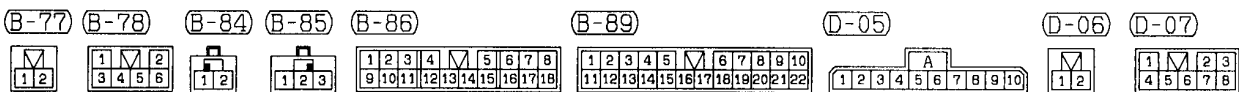
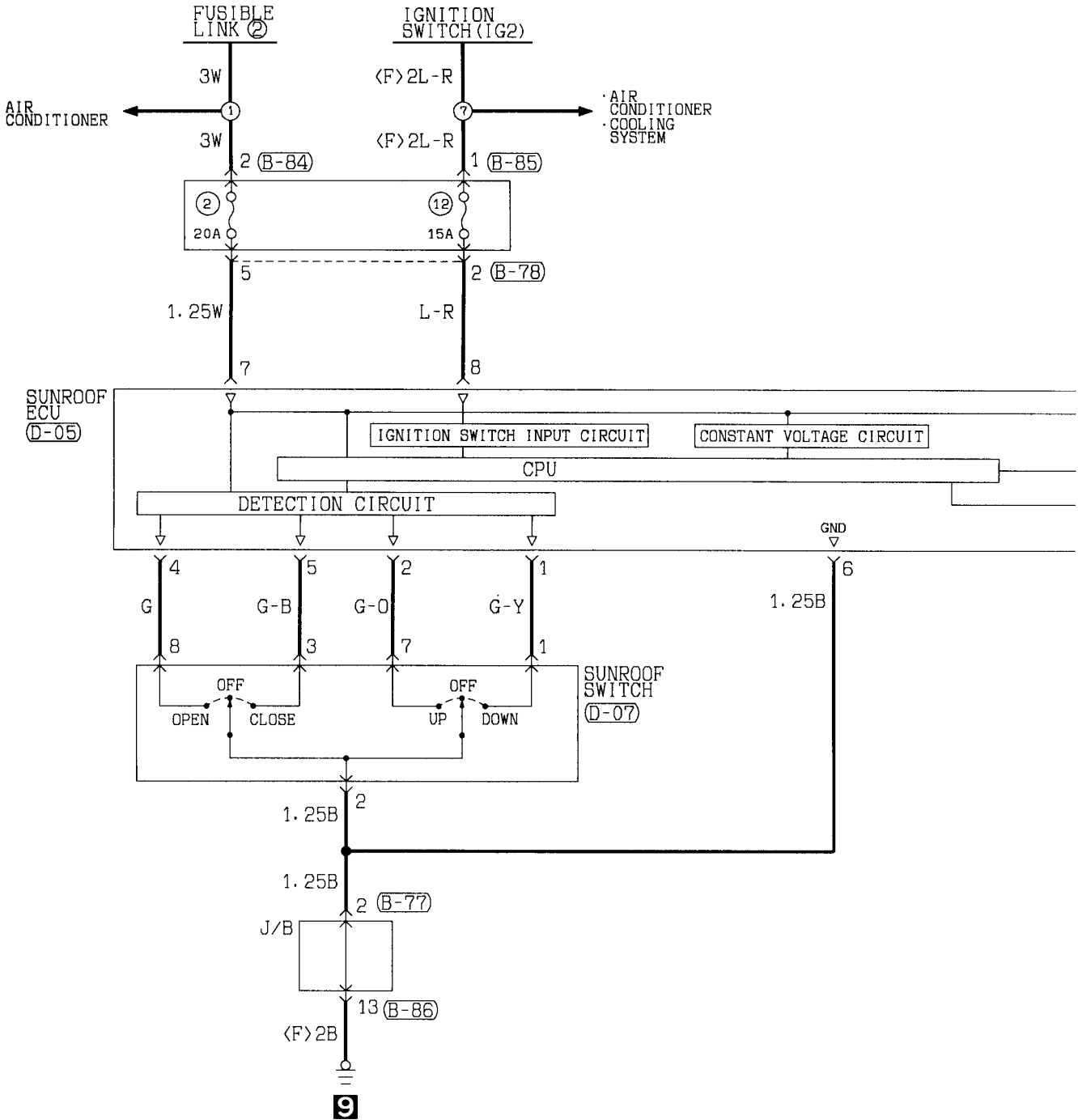
(D-09)

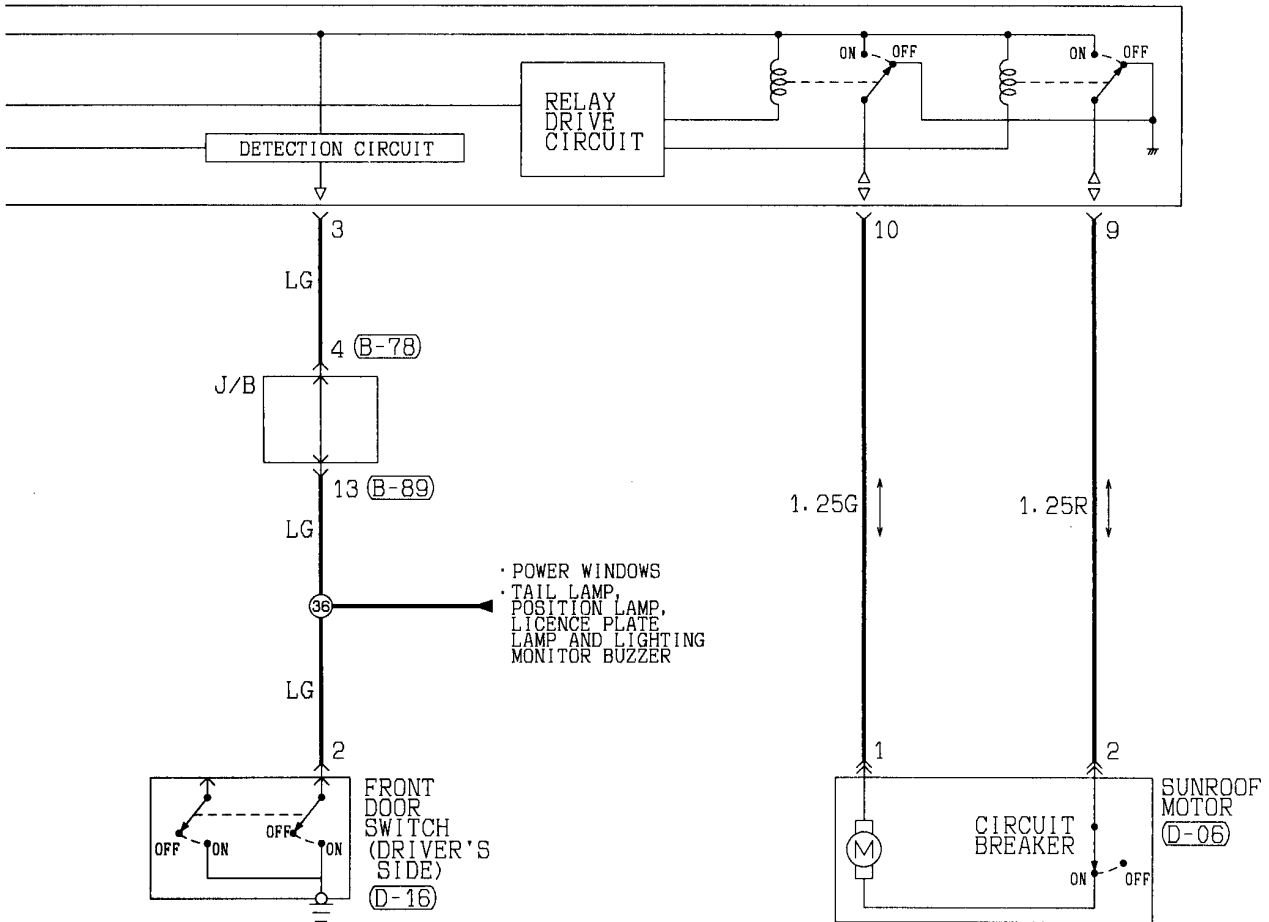
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11	12	13	14	15	16	17	18	19	20



SUNROOF

90100990133



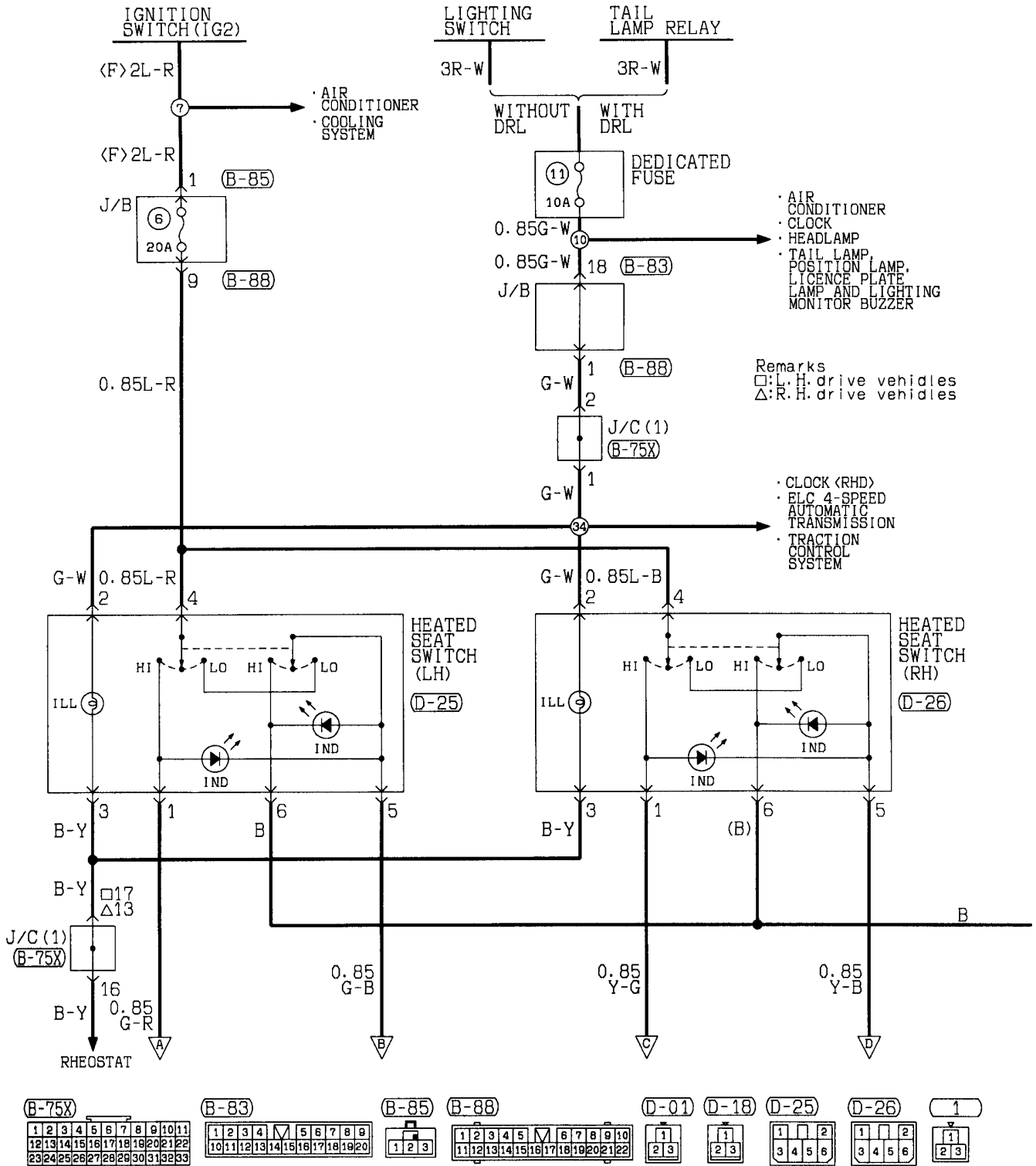


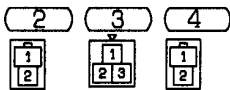
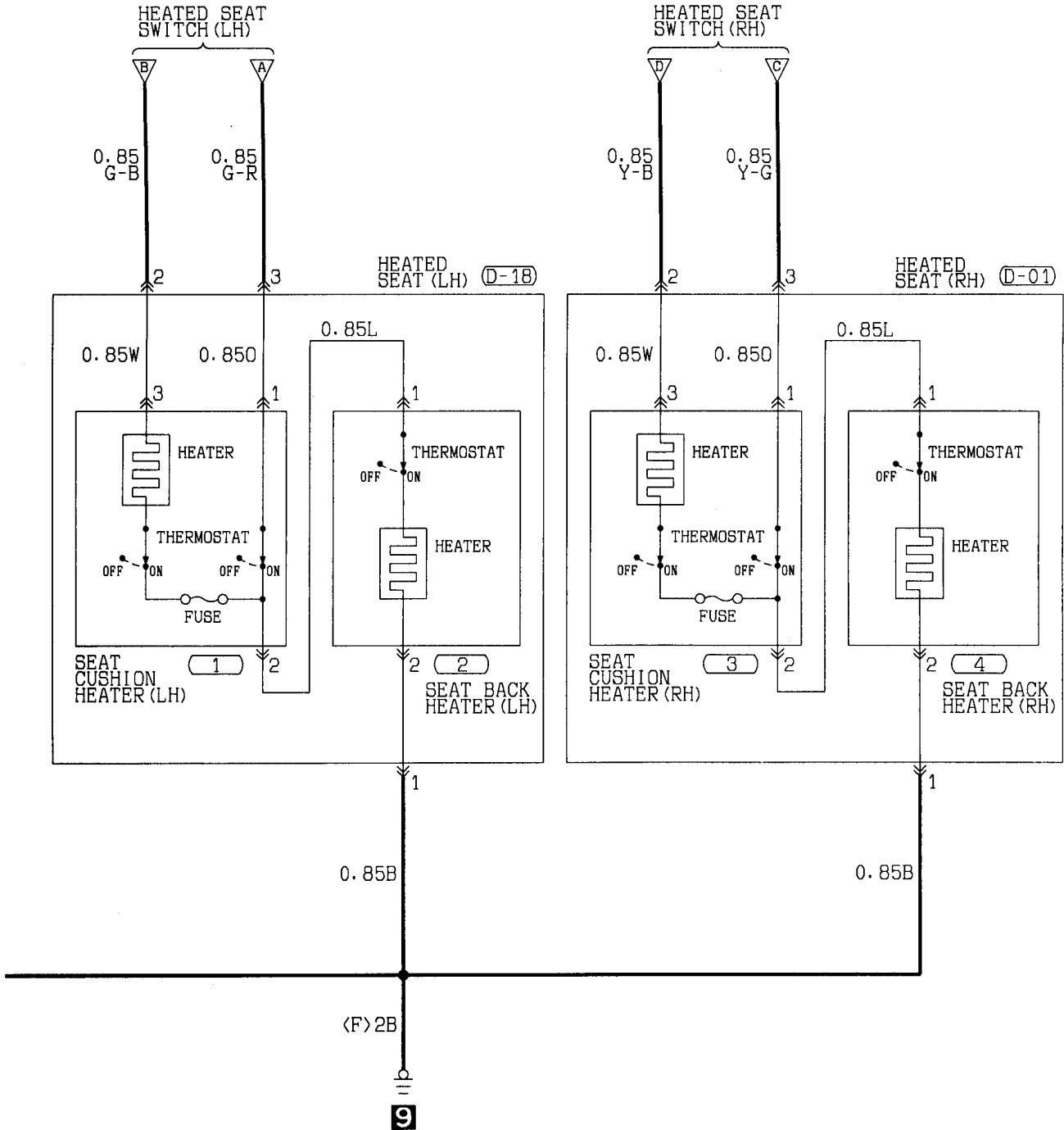
(D-16)



HEATED SEAT

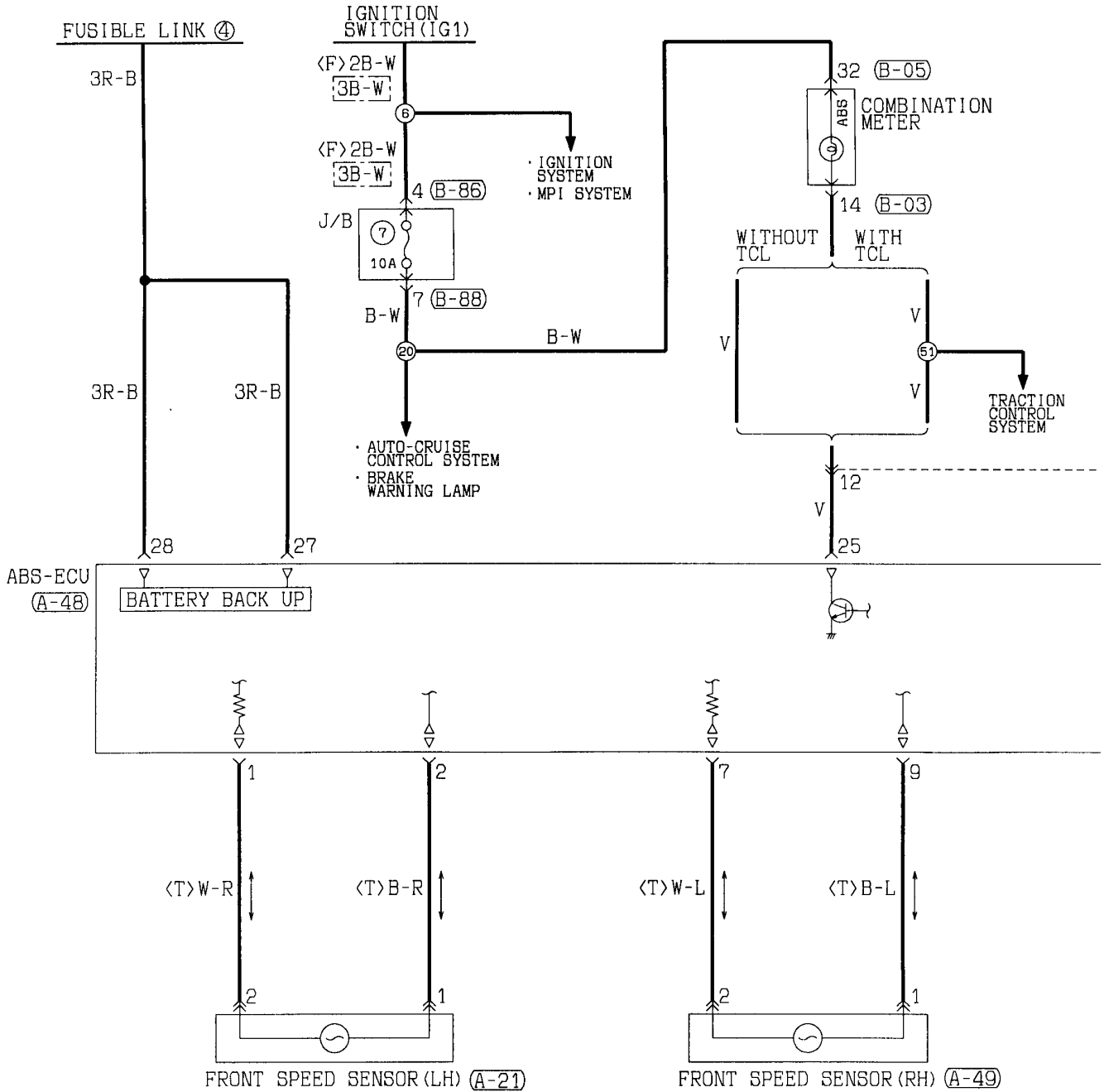
90101070058





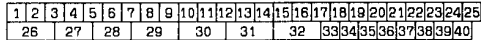
ANTI-LOCK BRAKING SYSTEM (ABS)

90100840346



Remarks  
 (1) \*1: Vehicles without auto-cruise control system.  
 (2) \*2: Vehicles with auto-cruise control system.  
 (3) [ ] indicates a running change. (New)

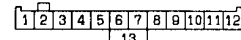
(A-21) (A-48)



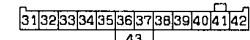
(A-49)



(B-03)



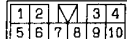
(B-05)



(D-12)

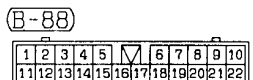
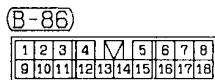
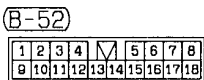
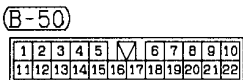
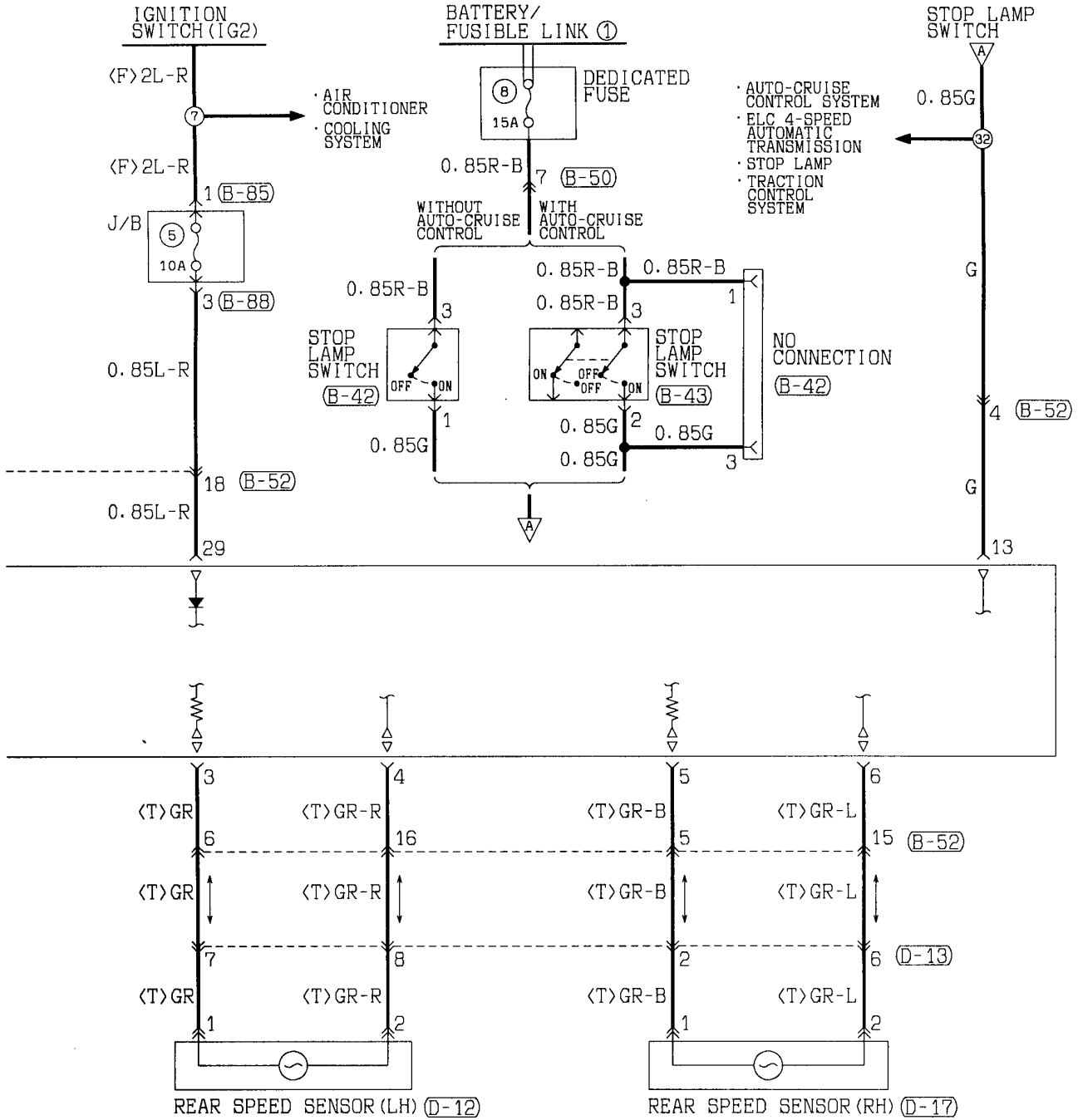


(D-13)

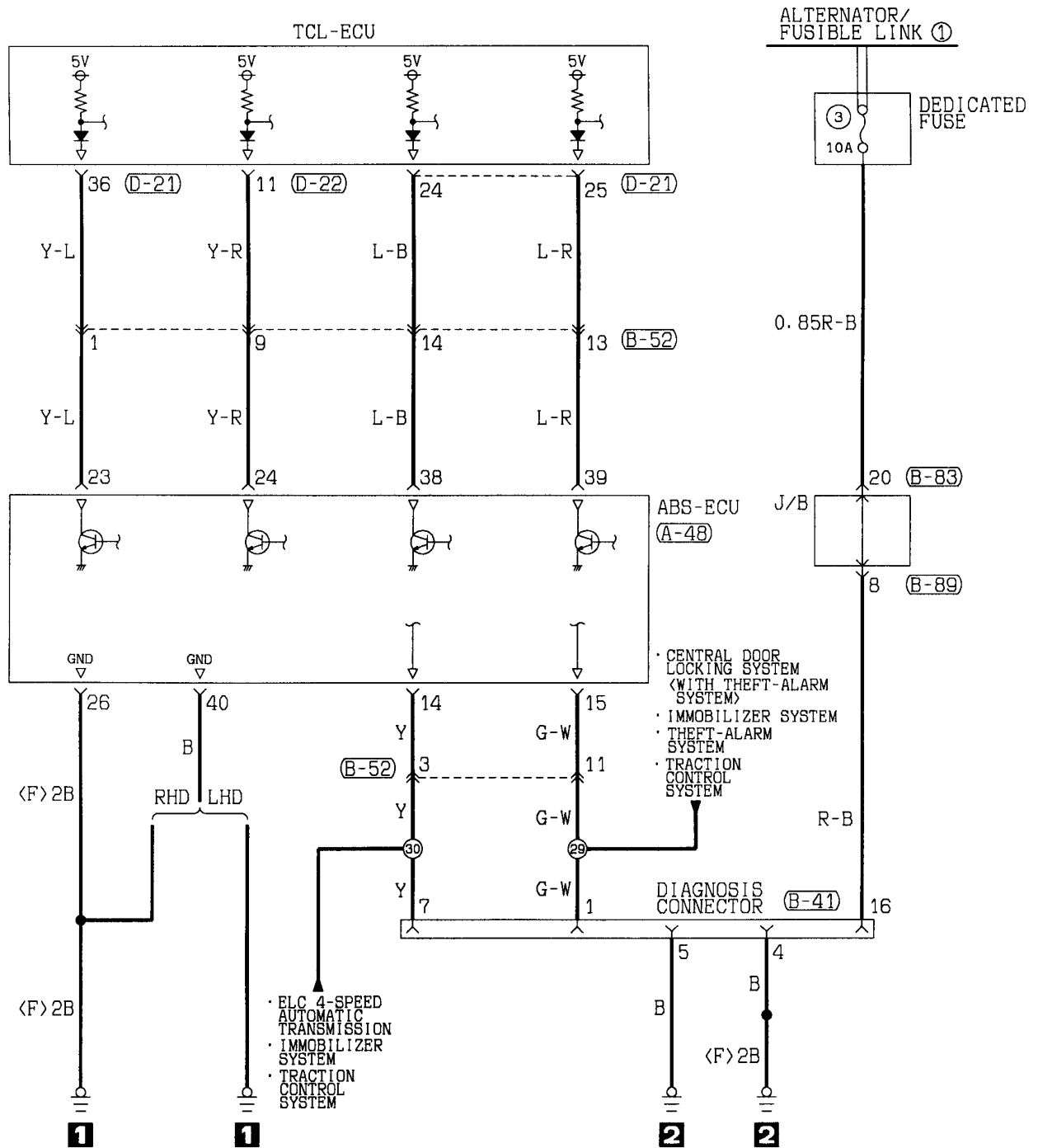


(D-17)





ANTI-LOCK BRAKING SYSTEM (ABS) (CONTINUED)



(A-48)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40											

(B-41) FRONT SIDE

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

(B-52)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-83)

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

(B-89)

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

(D-21)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

(D-22)

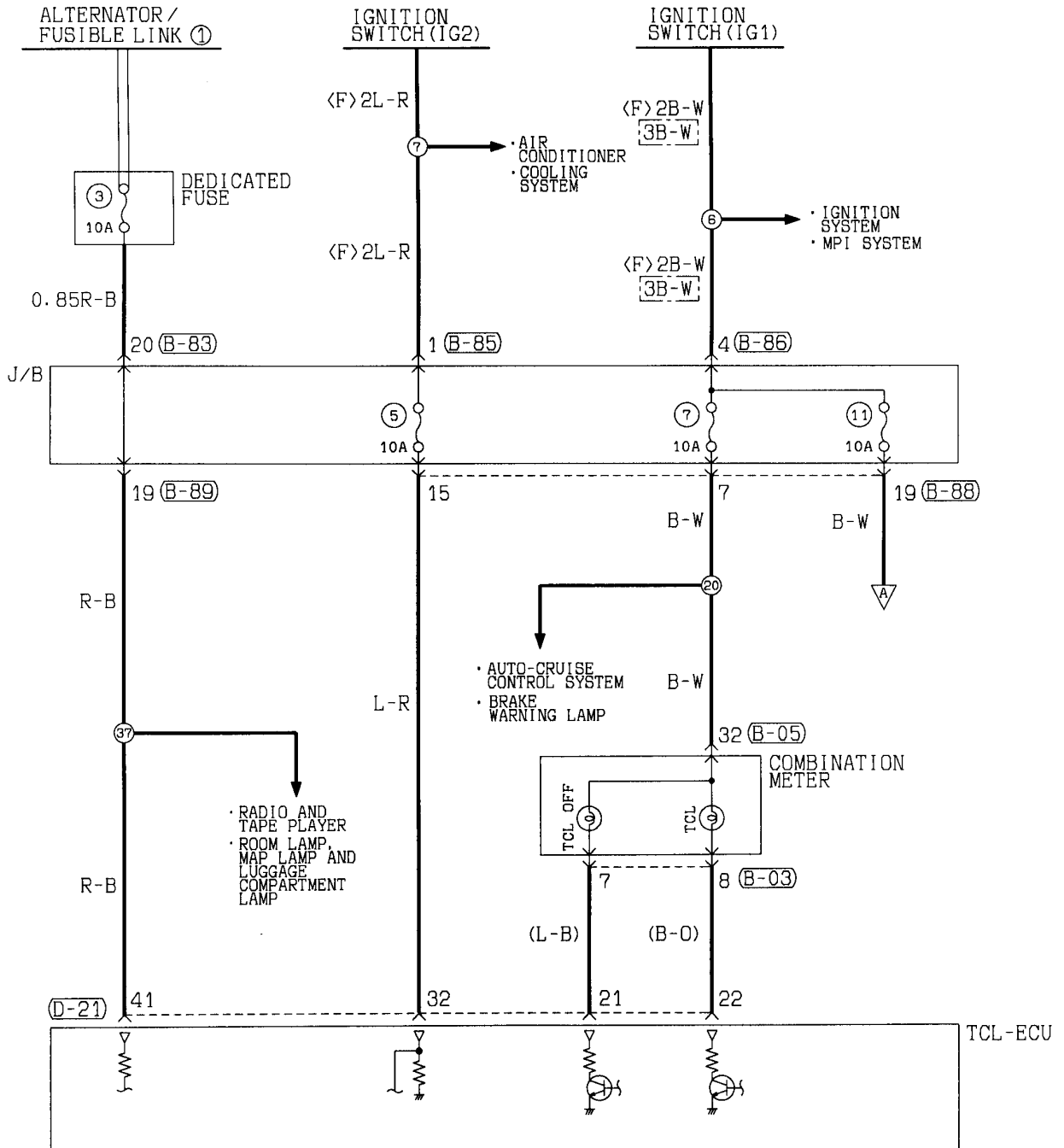
1	2	3	4	5	6
7	8	9	10	11	12

NOTES



TRACTION CONTROL SYSTEM (TCL)

90100880034



Remark

□ indicates a running change. (New)

(A-48)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40											

(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
						13					
14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
						43					
44	45	46	47	48	49	50	51	52	53	54	55

(B-52)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-89)

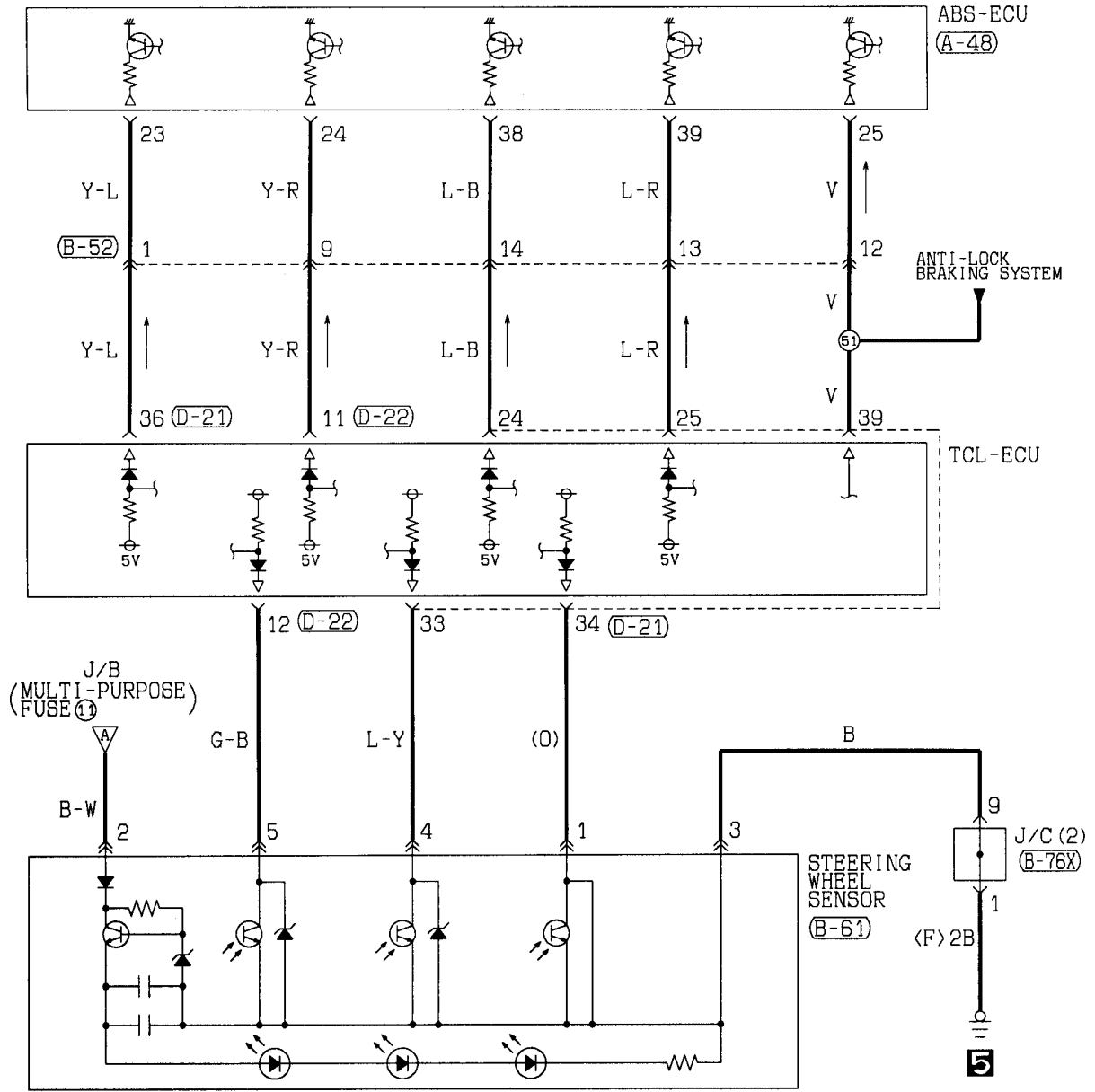
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

(D-21)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

(D-22)

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



(B-61)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33		

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-85)

1	2	3
---	---	---

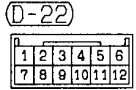
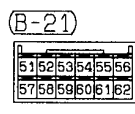
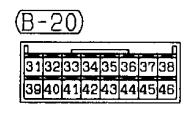
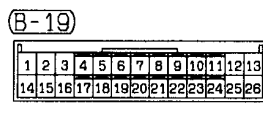
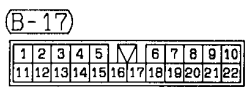
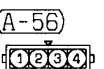
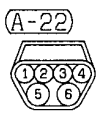
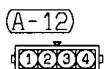
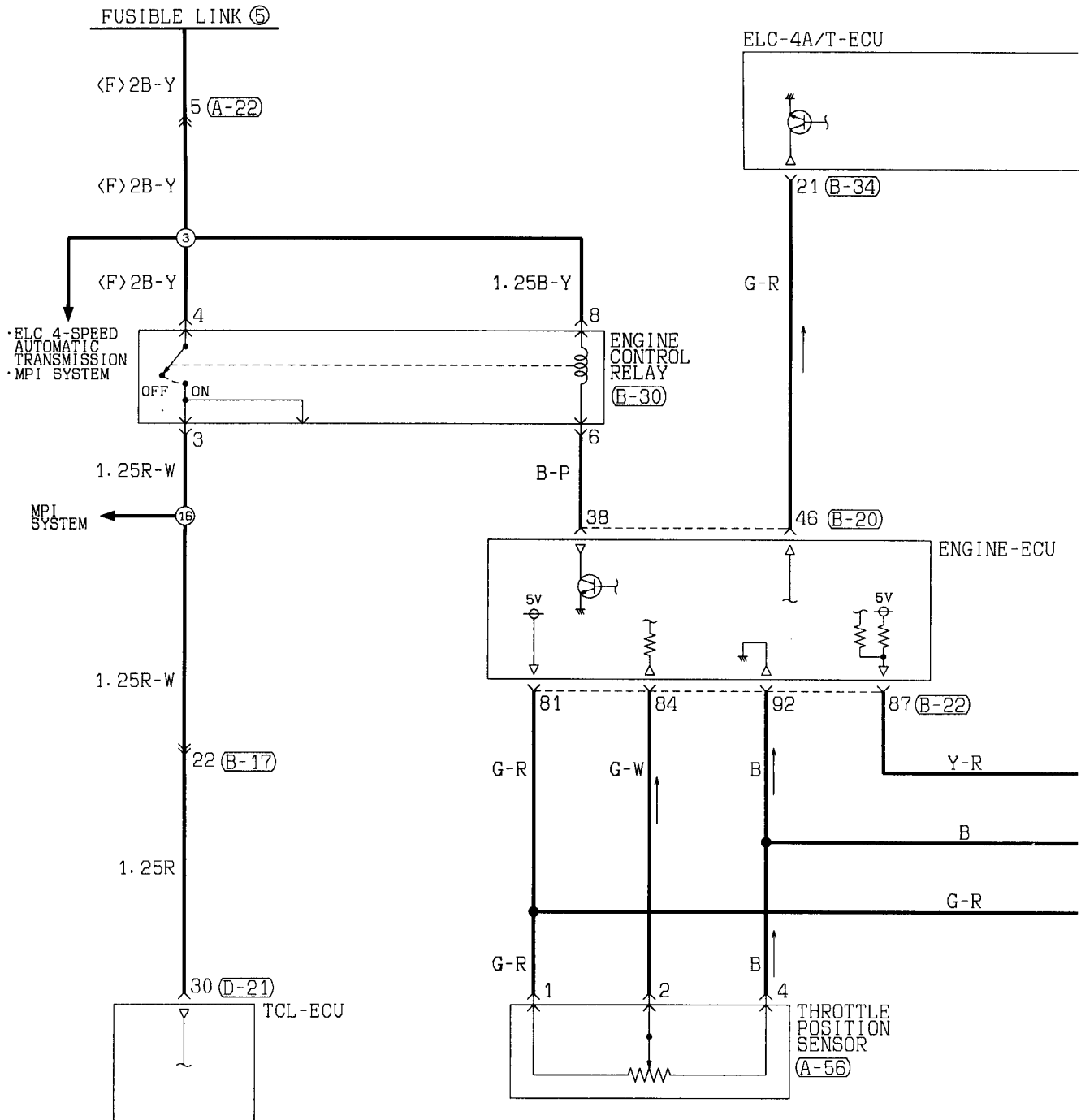
(B-86)

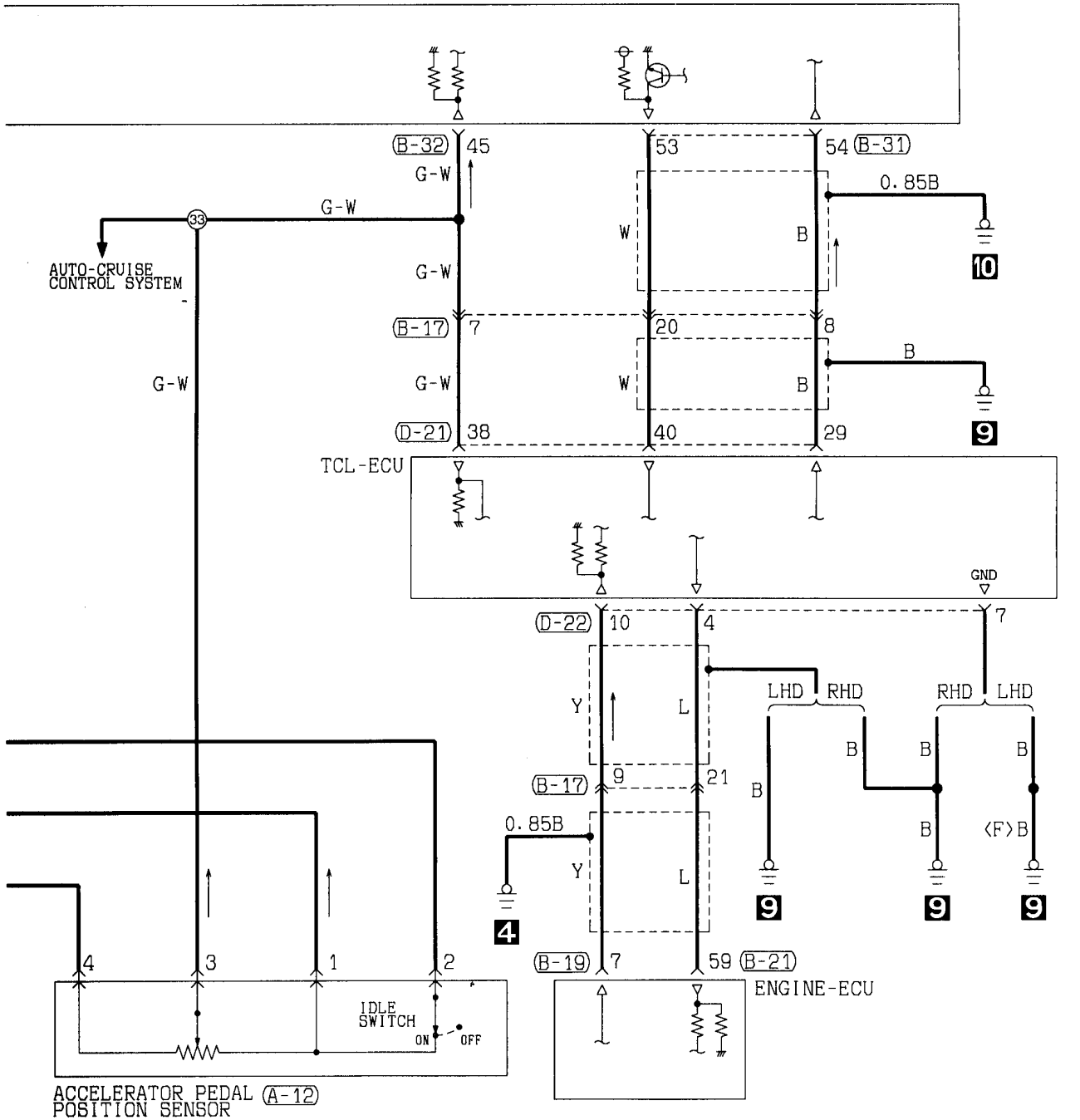
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18

(B-88)

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

TRACTION CONTROL SYSTEM (TCL) (CONTINUED)





(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(B-30)

1	2	3	4
5	6	7	8

(B-31)

51	52	53	54	55	56	57	58	59	60	61
62	63	64	65	66	67	68	69	70	71	72

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

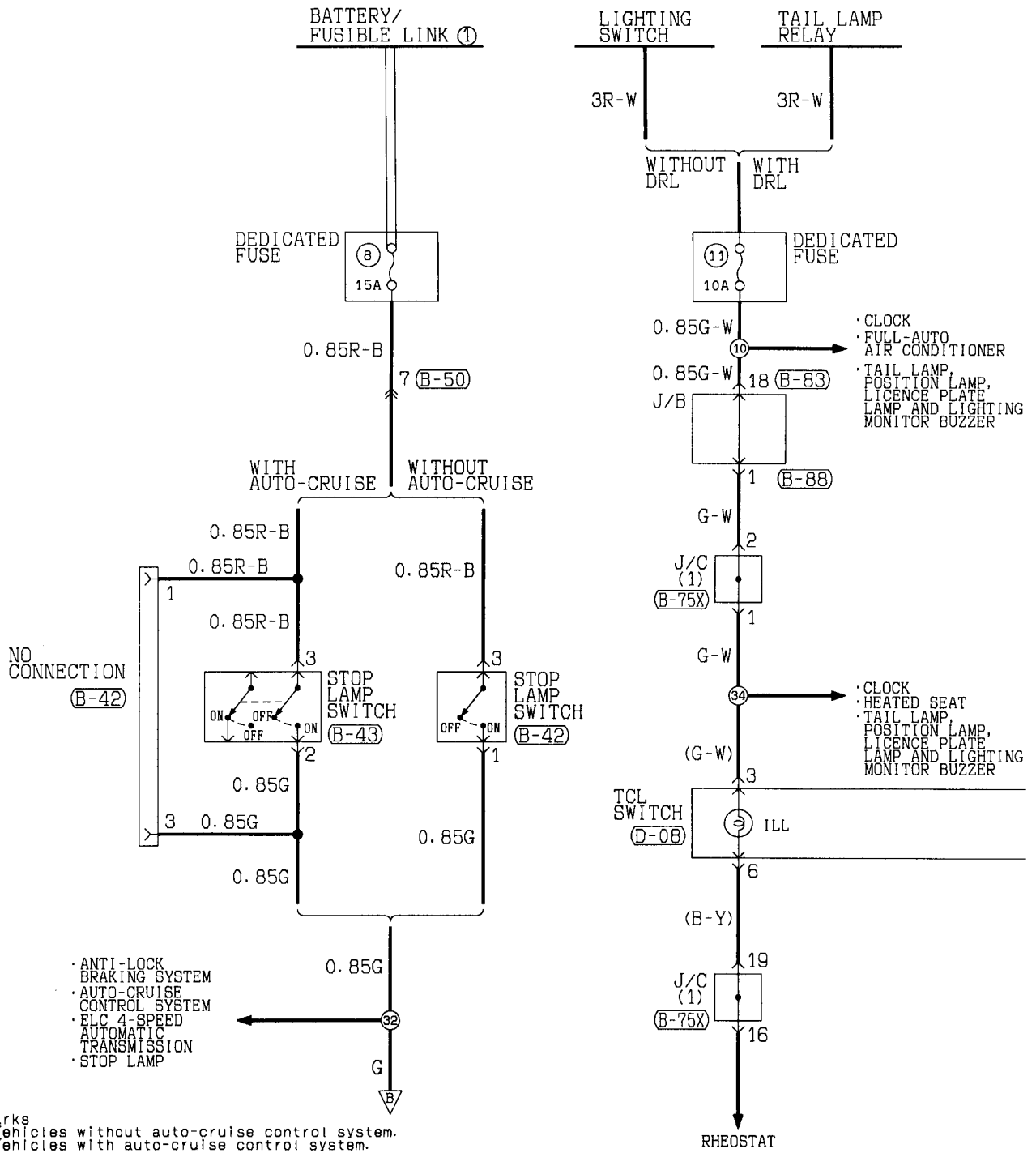
(B-34)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

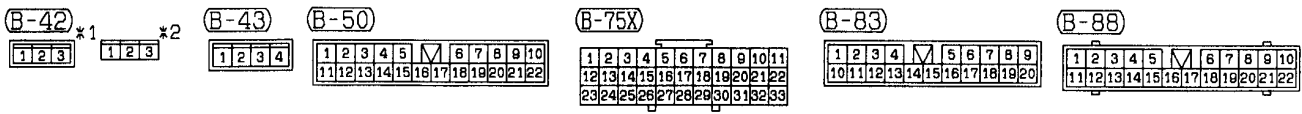
(D-21)

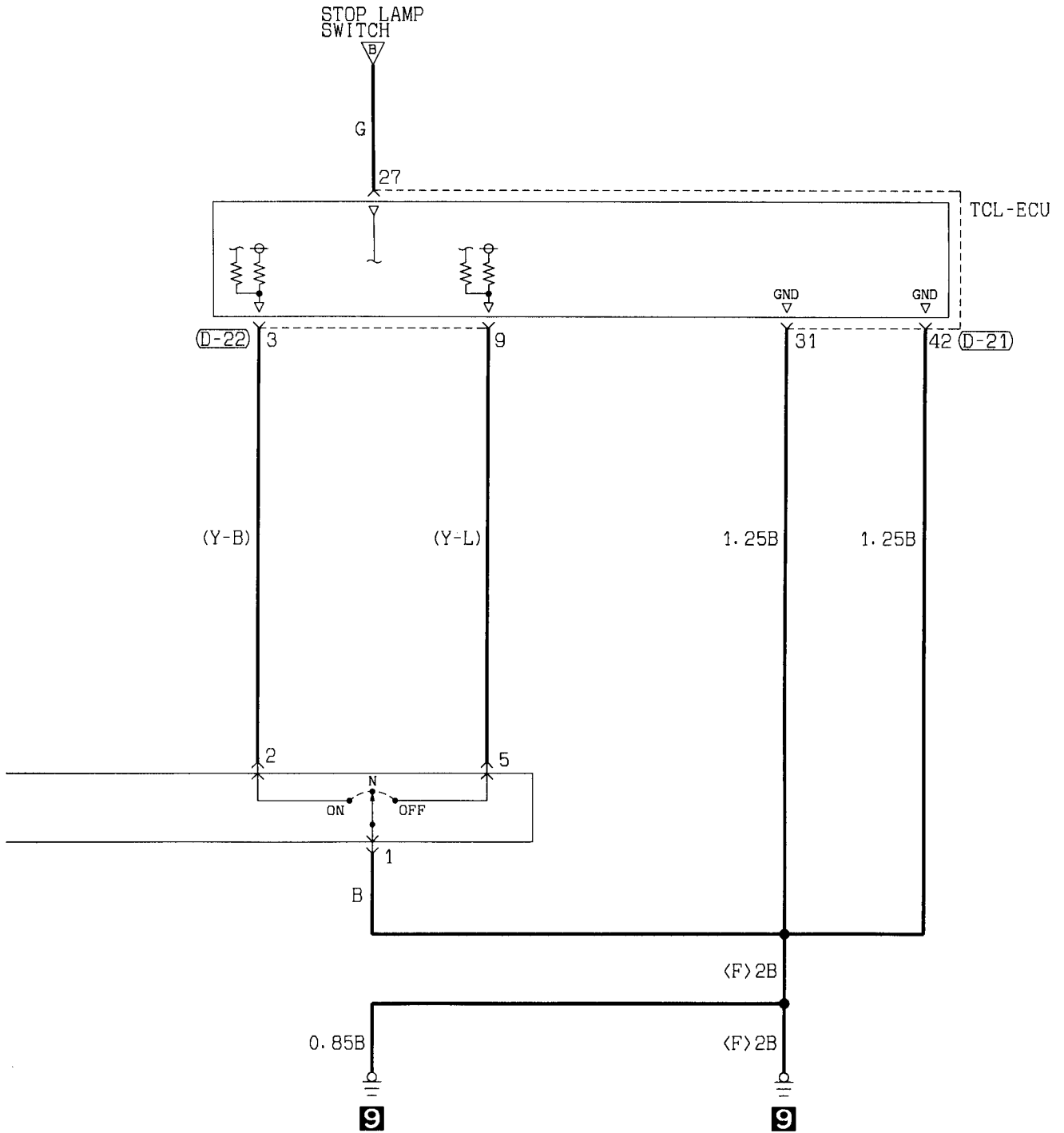
21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

TRACTION CONTROL SYSTEM (TCL) (CONTINUED)



Remarks  
 \*1: Vehicles without auto-cruise control system.  
 \*2: Vehicles with auto-cruise control system.





D-08

1	M	2
3	4	5

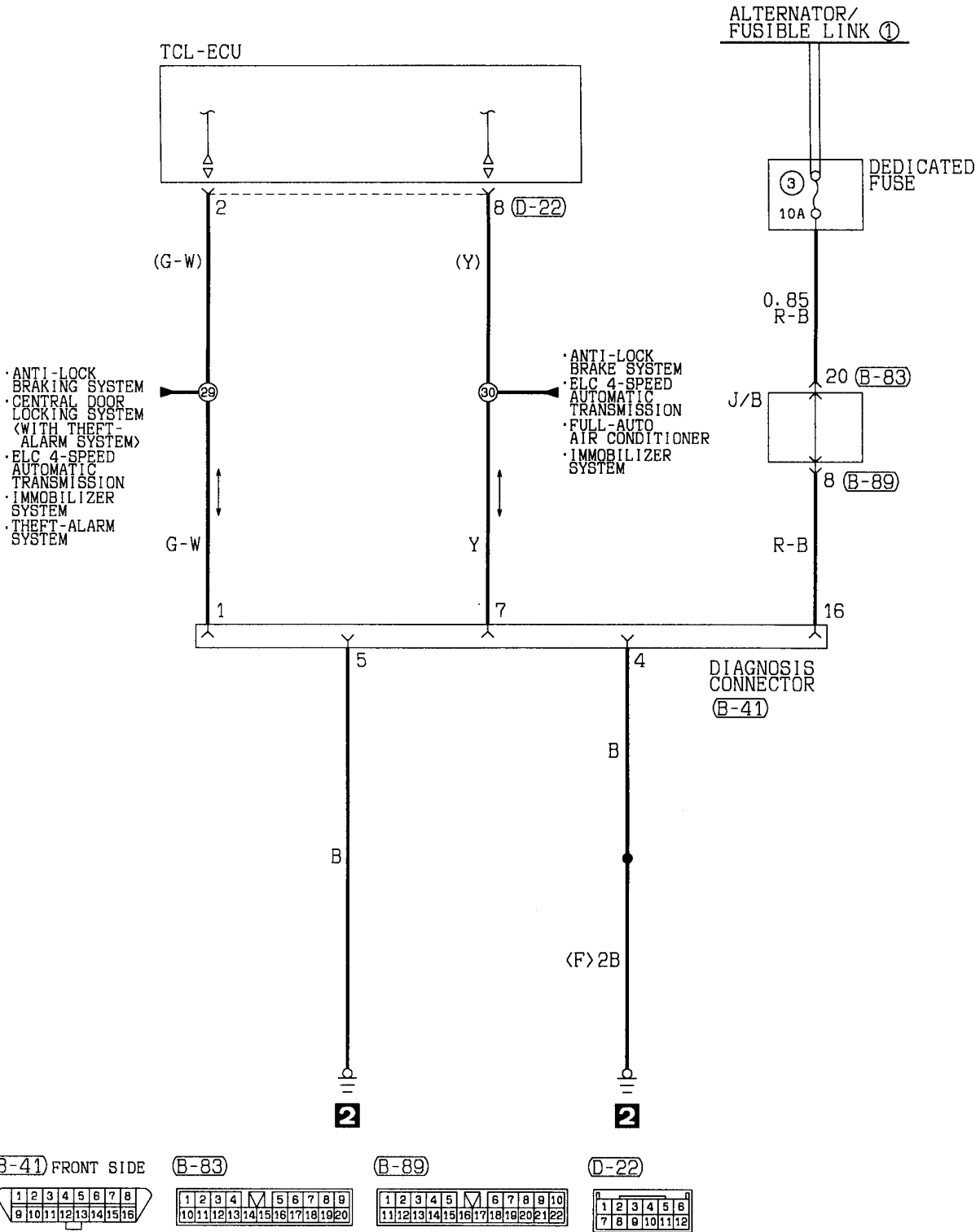
D-21

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

D-22

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

TRACTION CONTROL SYSTEM (TCL) (CONTINUED)

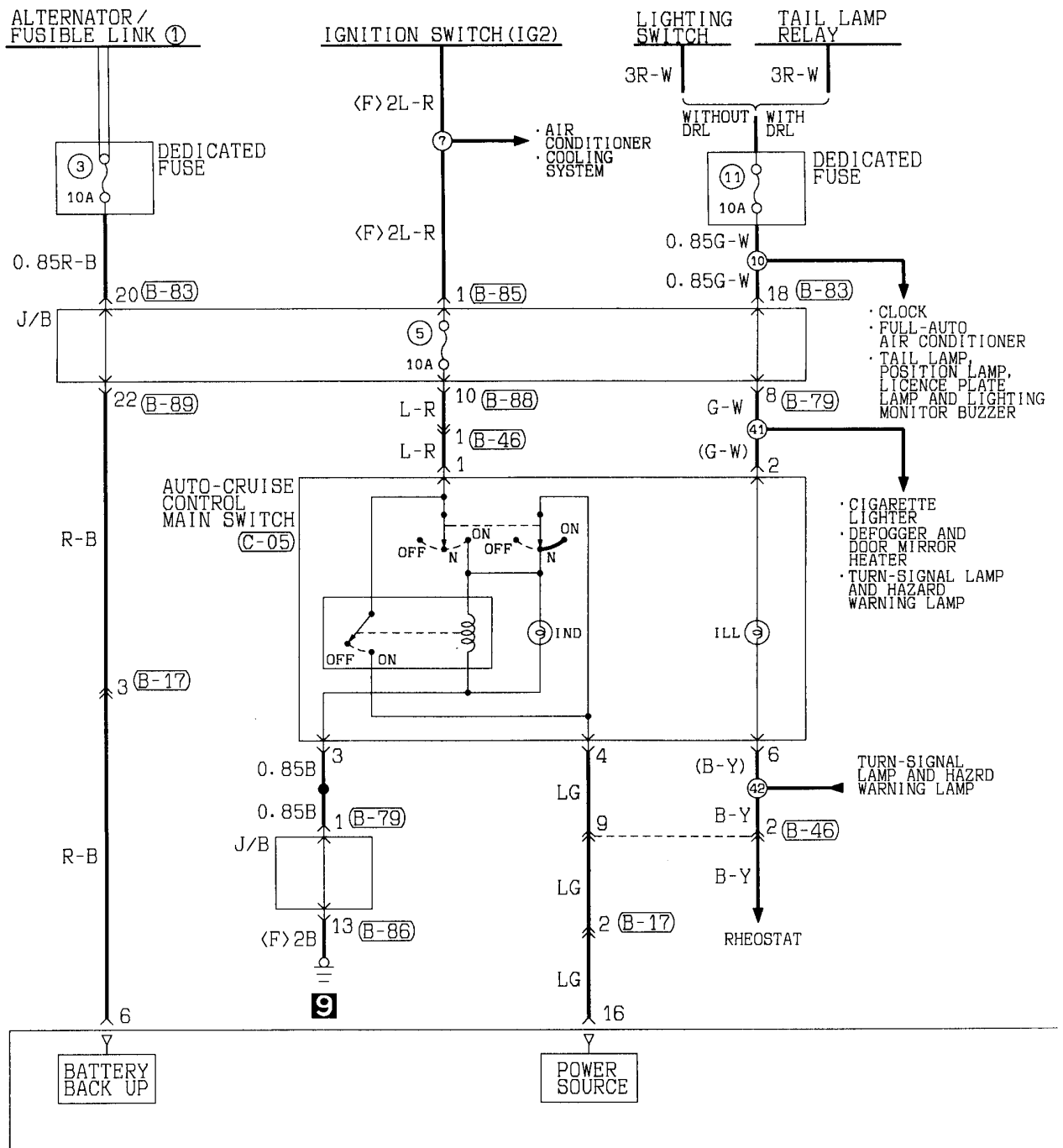


NOTES

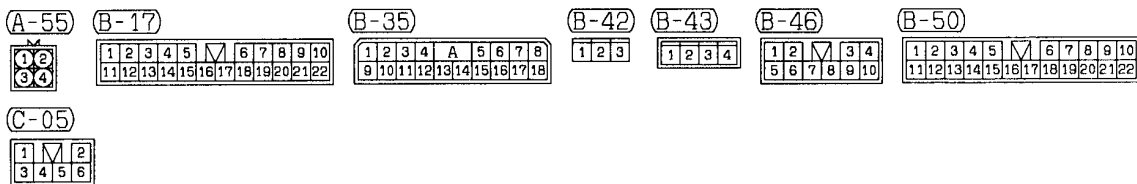


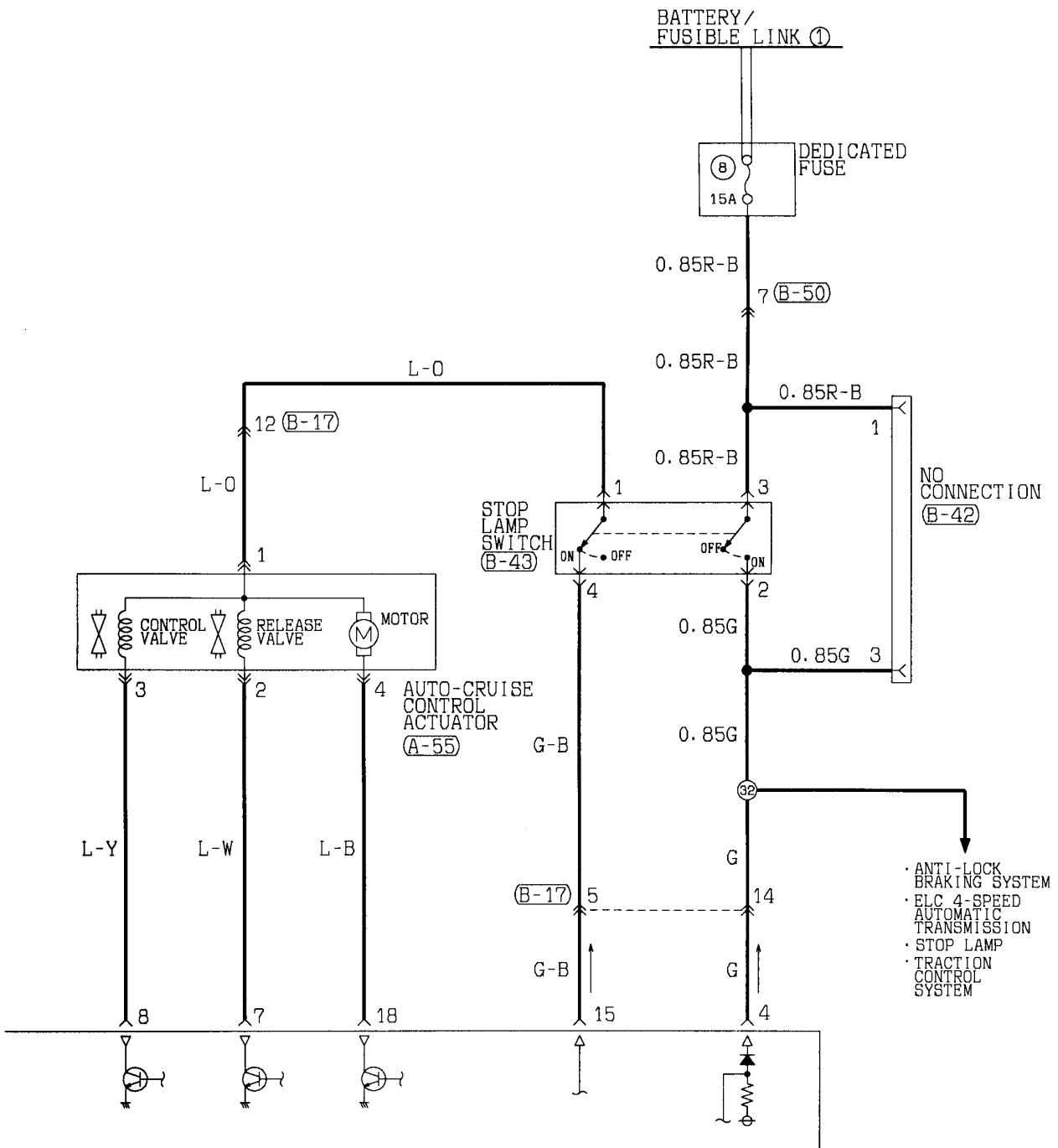
AUTO-CRUISE CONTROL SYSTEM

90100930203

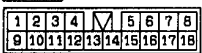


AUTO-CRUISE ECU (B-35)

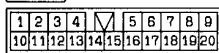




(B-79)



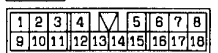
(B-83)



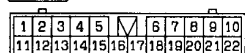
(B-85)



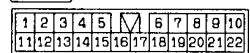
(B-86)



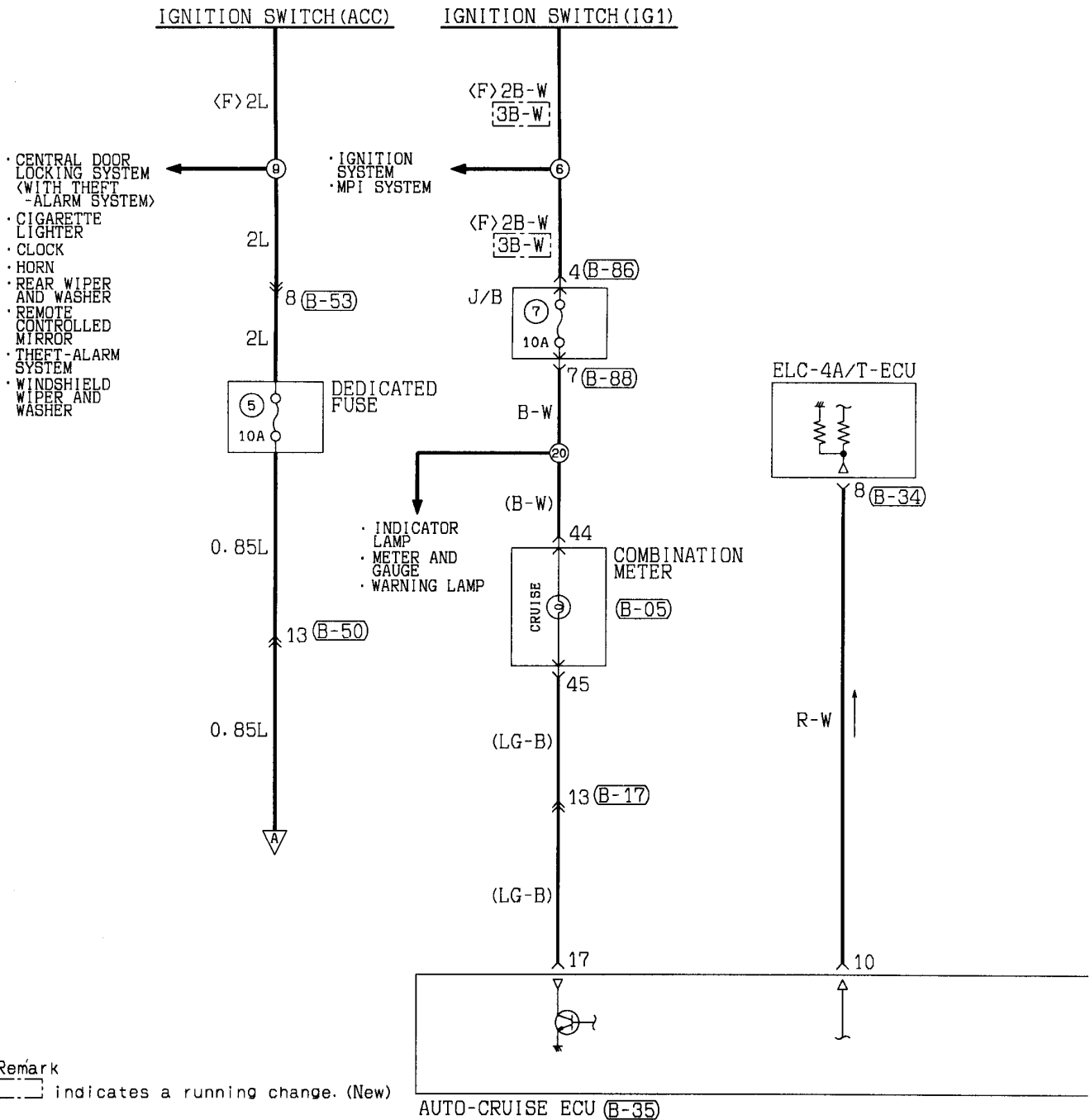
(B-88)



(B-89)



AUTO-CRUISE CONTROL SYSTEM (CONTINUED)



Remark  
 [ ] indicates a running change. (New)

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
				43							
44	45	46	47	48	49	50	51	52	53	54	55

(B-17)

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

(B-34)

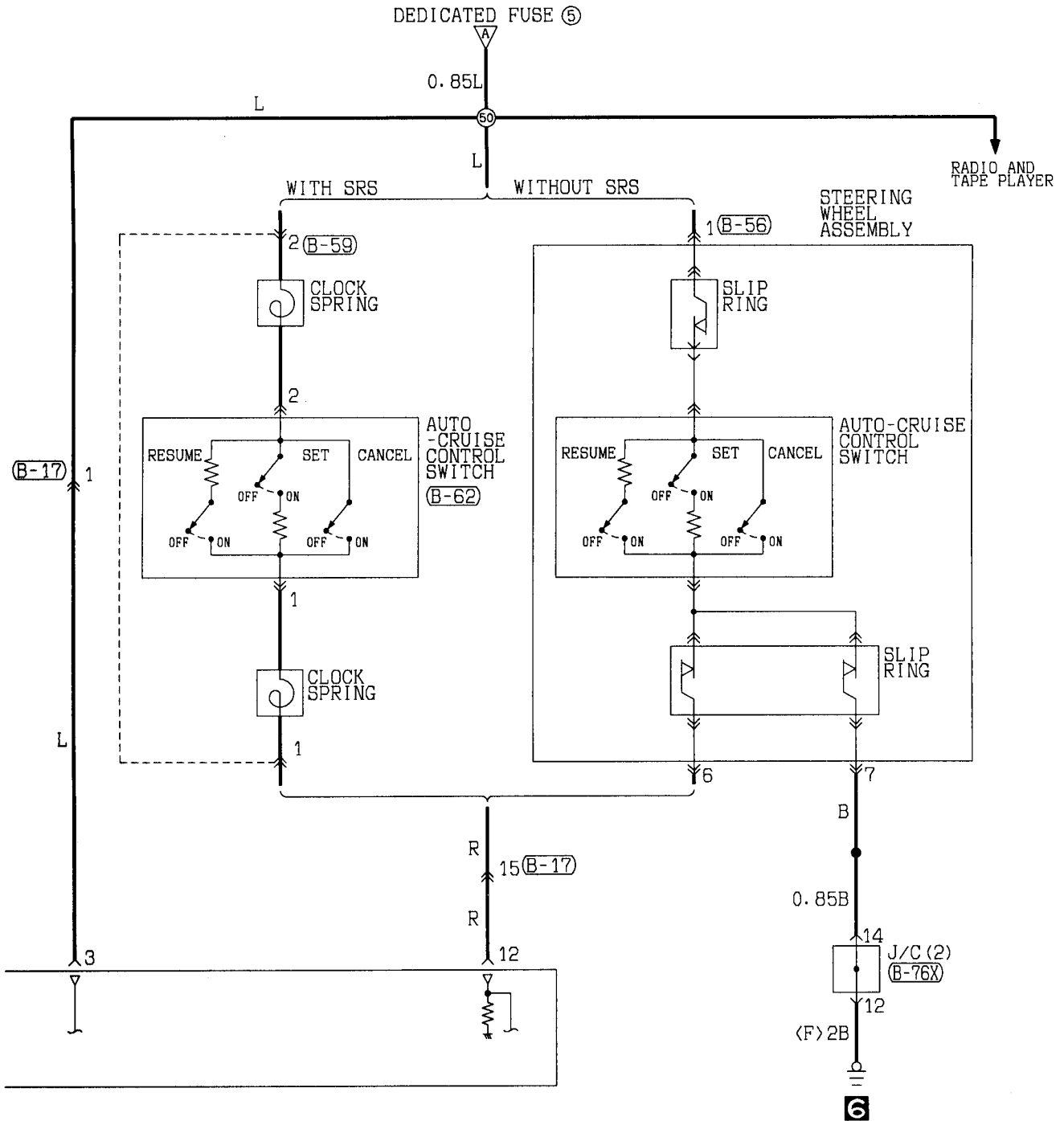
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-35)

1	2	3	4	A	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(B-50)

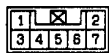
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22



(B-53)



(B-56)



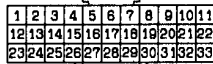
(B-59)



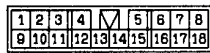
(B-62)



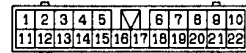
(B-76X)



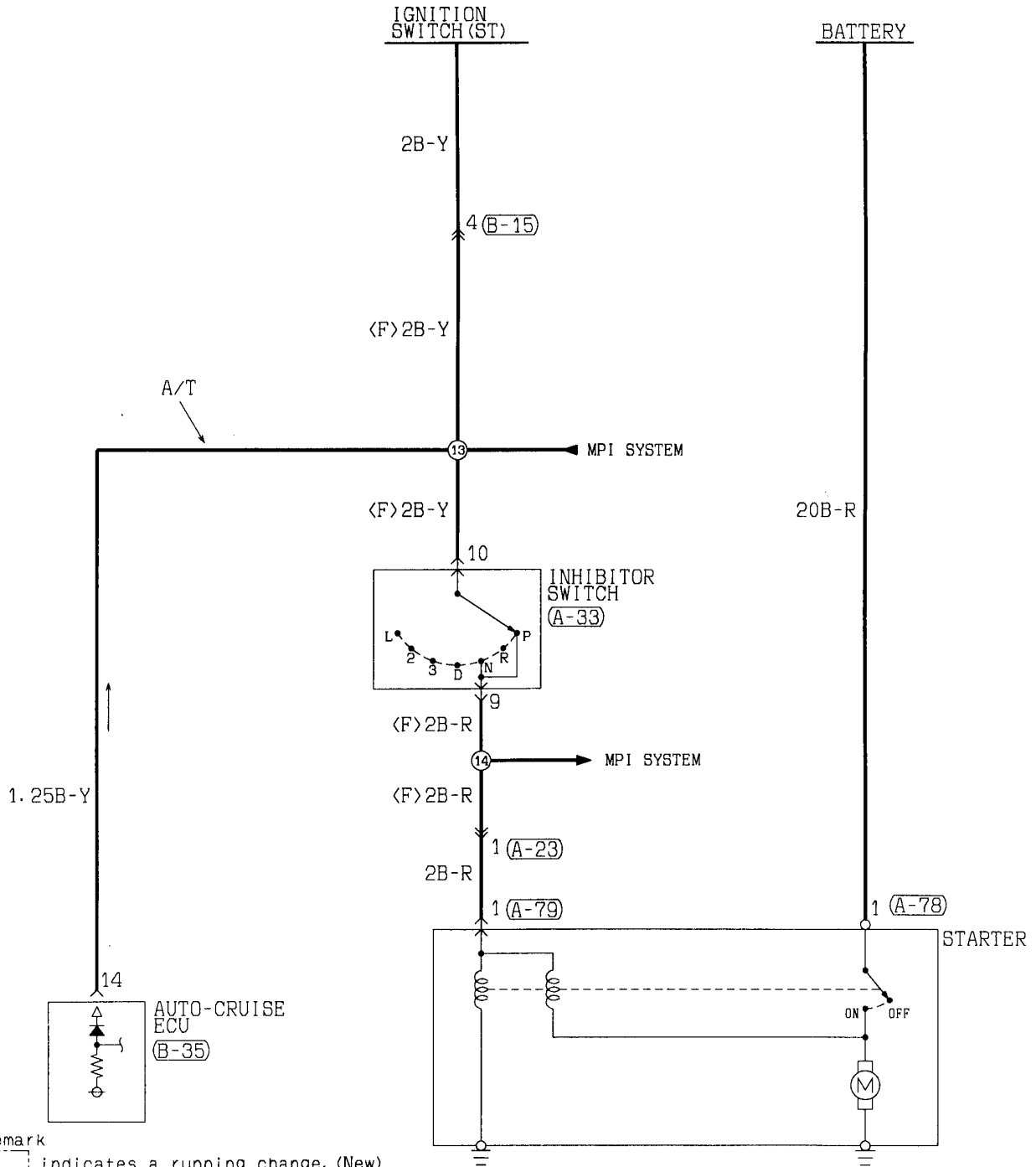
(B-86)



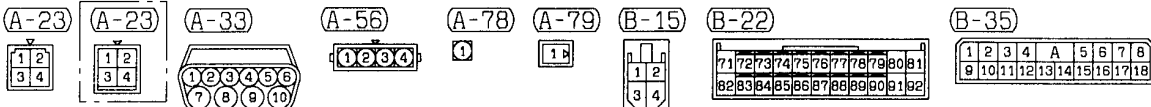
(B-88)

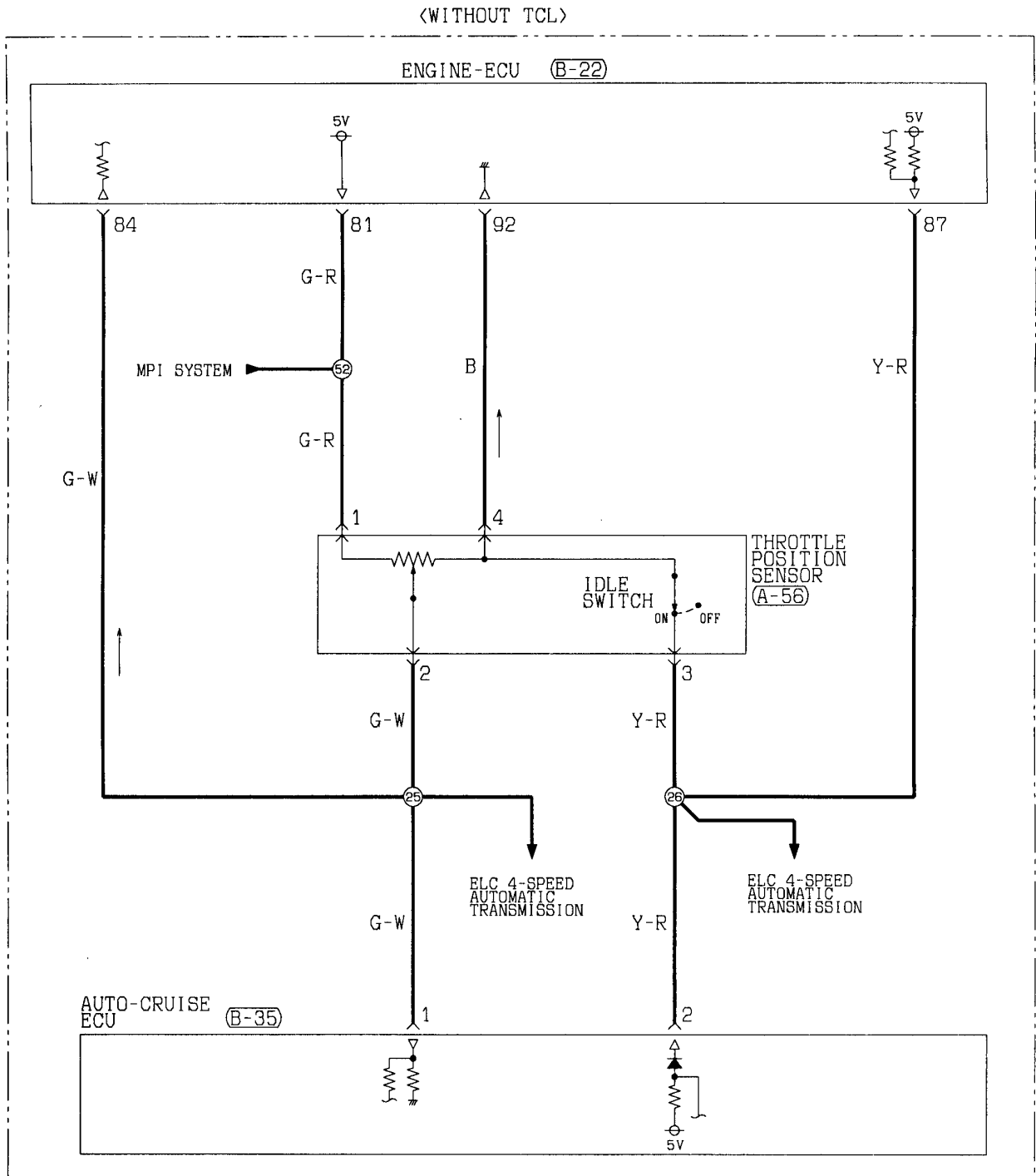


AUTO-CRUISE CONTROL SYSTEM (CONTINUED)



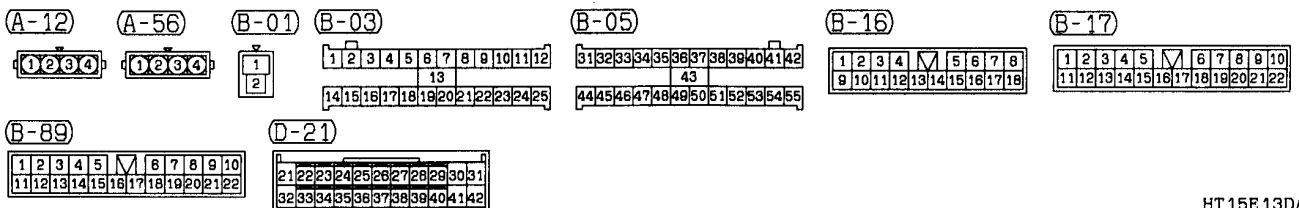
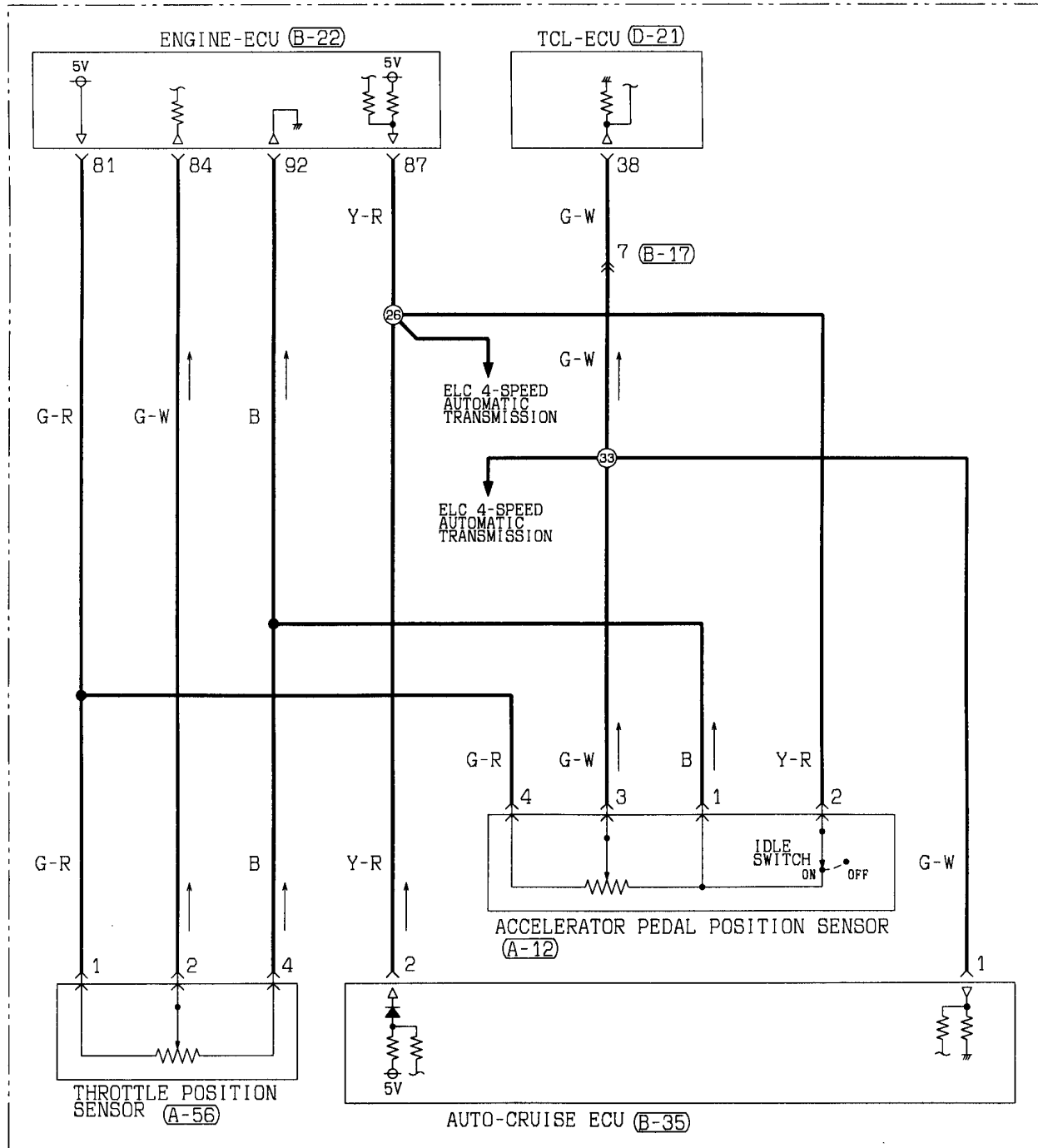
Remark  
   indicates a running change. (New)

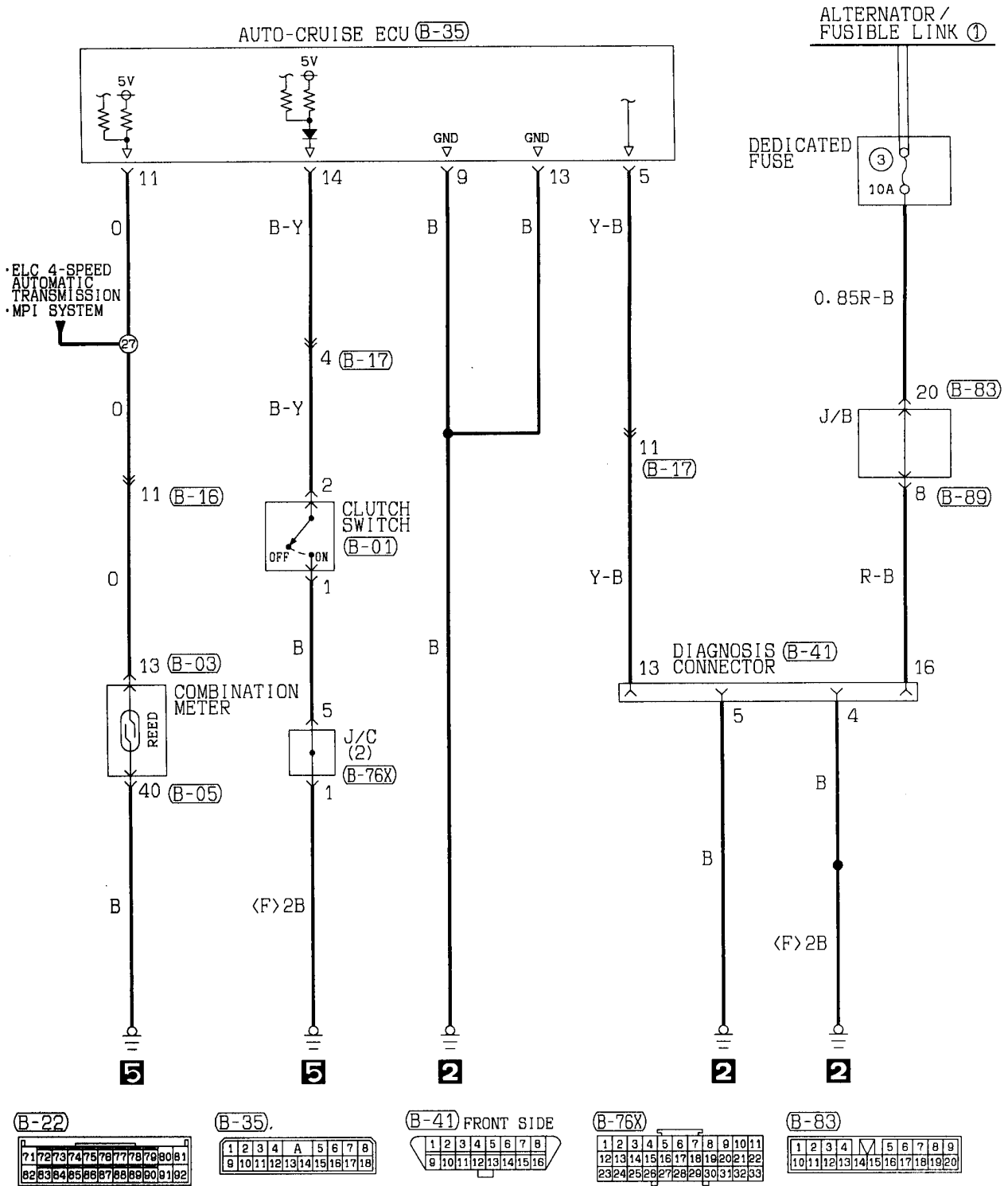




AUTO-CRUISE CONTROL SYSTEM (CONTINUED)

(WITH TCL)

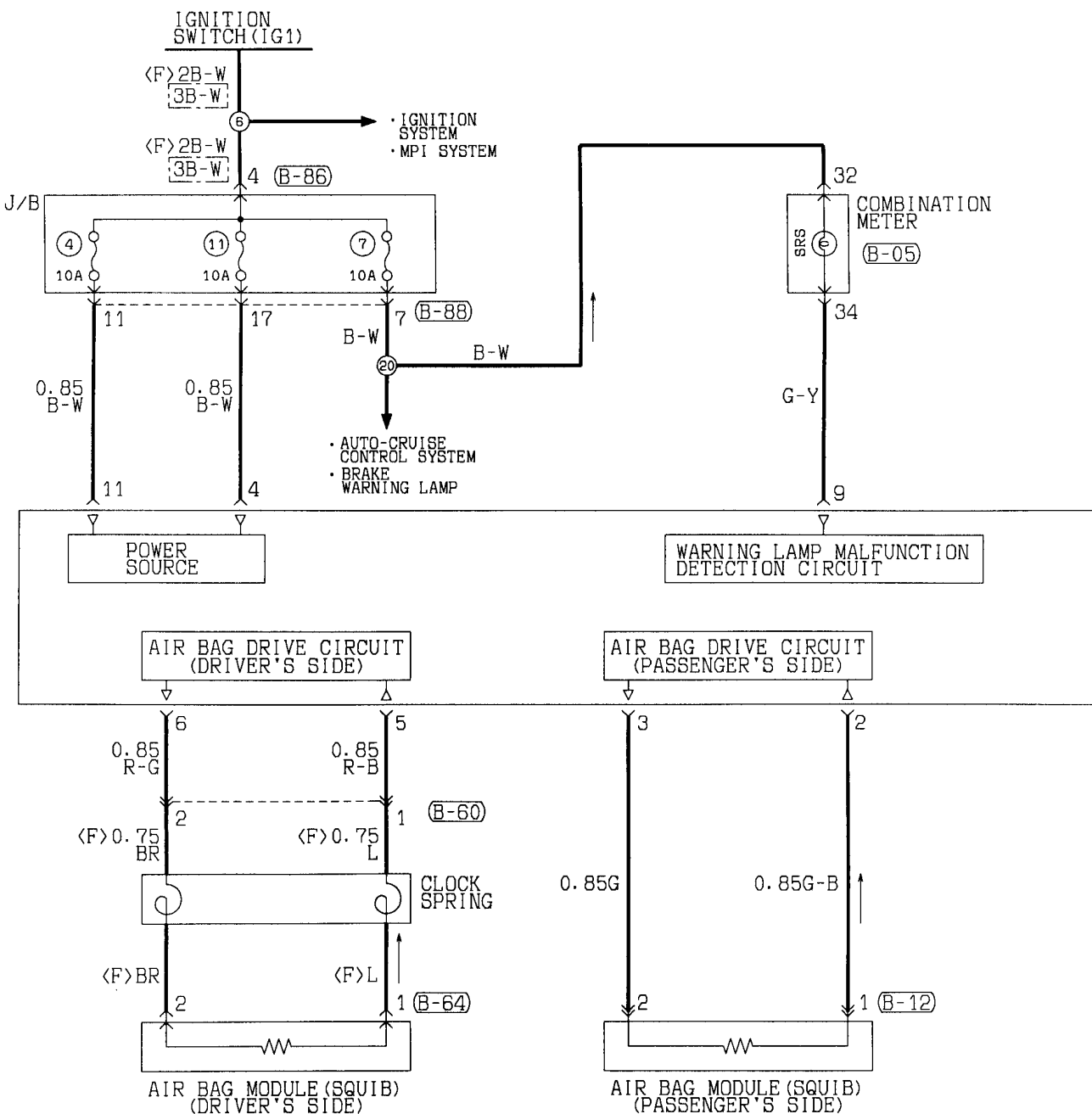






SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

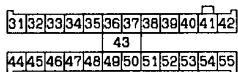
90100970243



Remark

□ indicates a running change. (New)

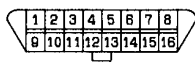
(B-05)



(B-12)



(B-41) FRONT SIDE



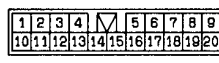
(B-60)



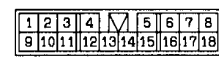
(B-64)

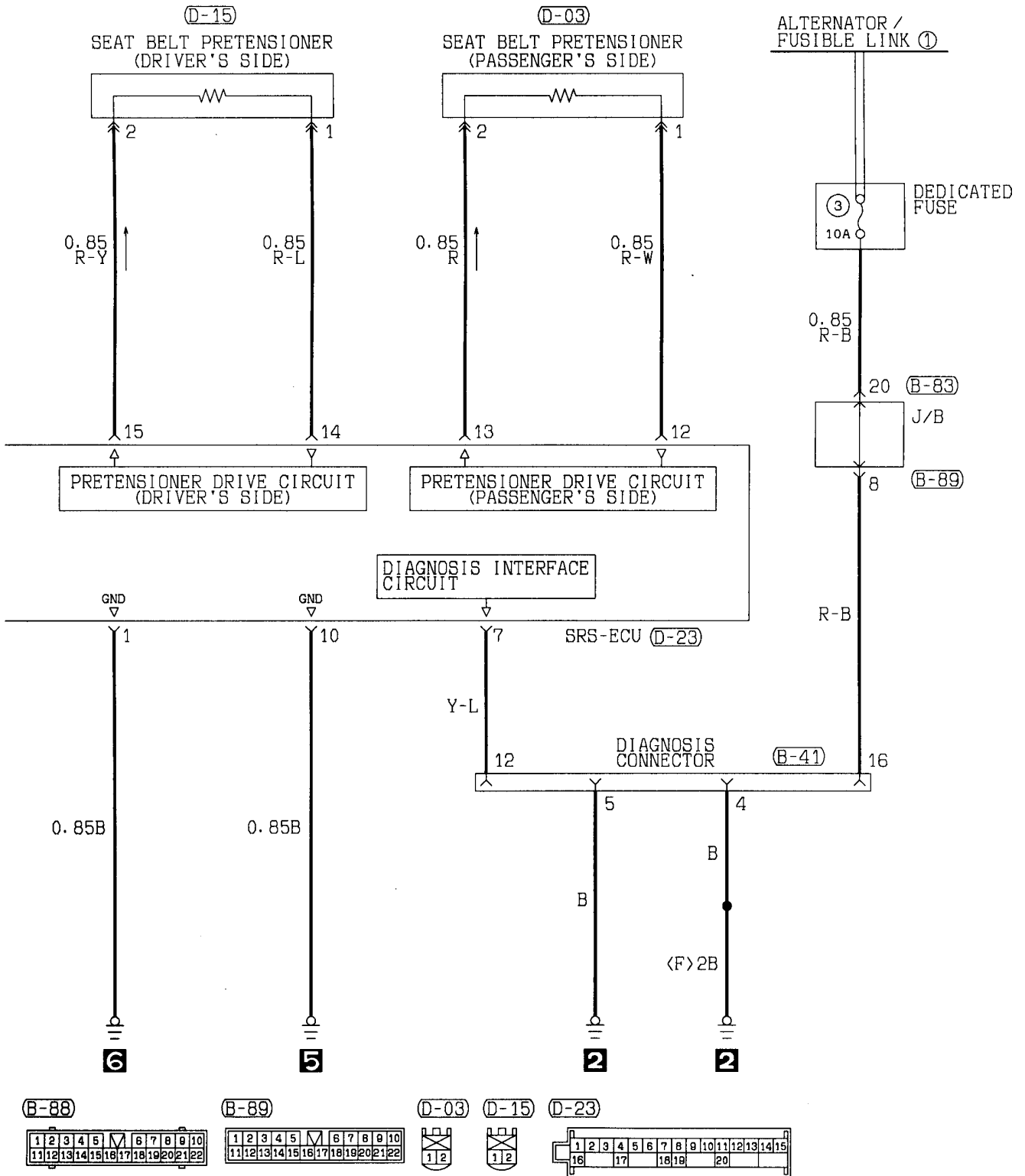


(B-83)



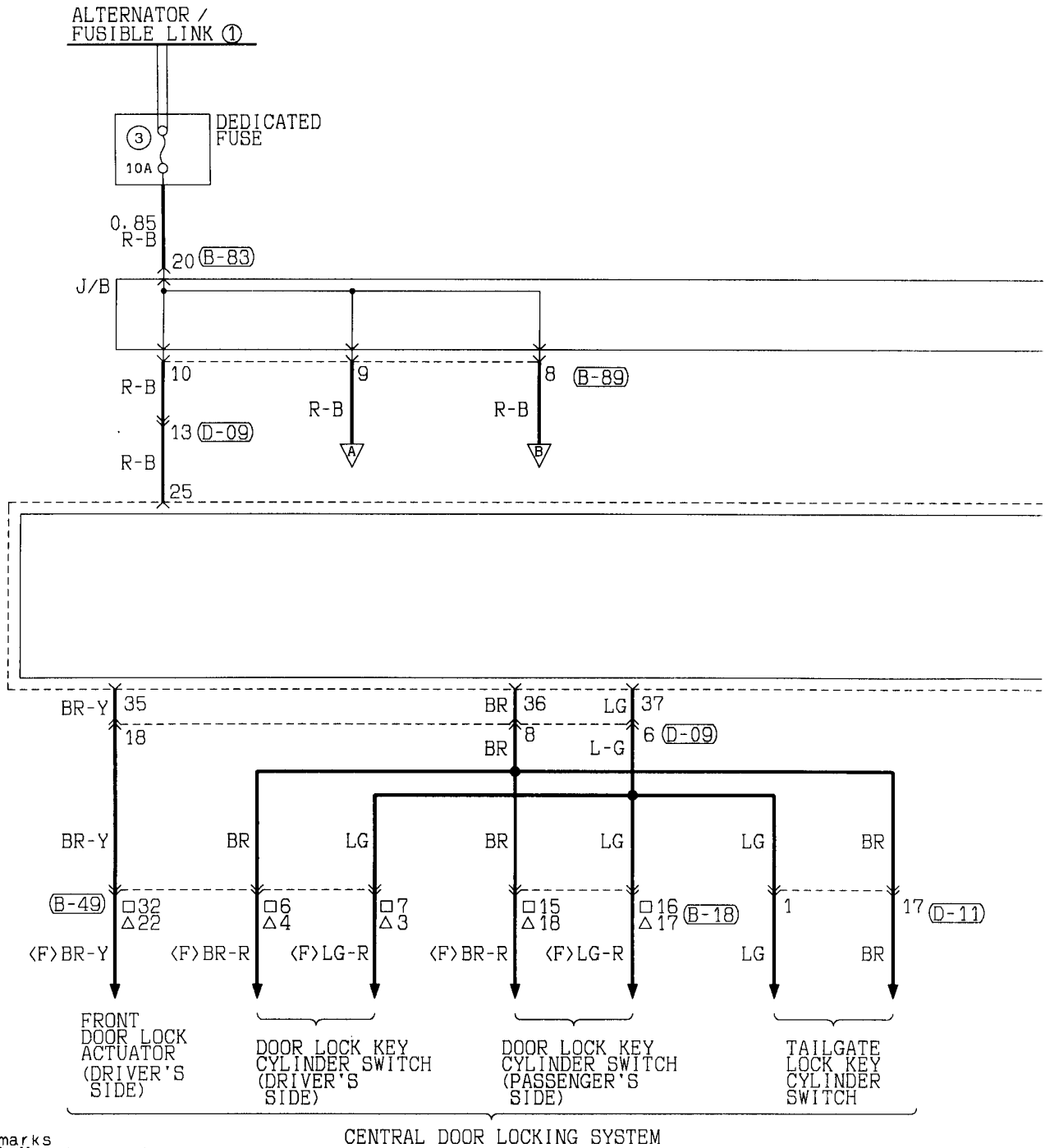
(B-86)





THEFT-ALARM SYSTEM

90101240107



Remarks  
 □: L. H. drive vehicles.  
 △: R. H. drive vehicles.

(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33			

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

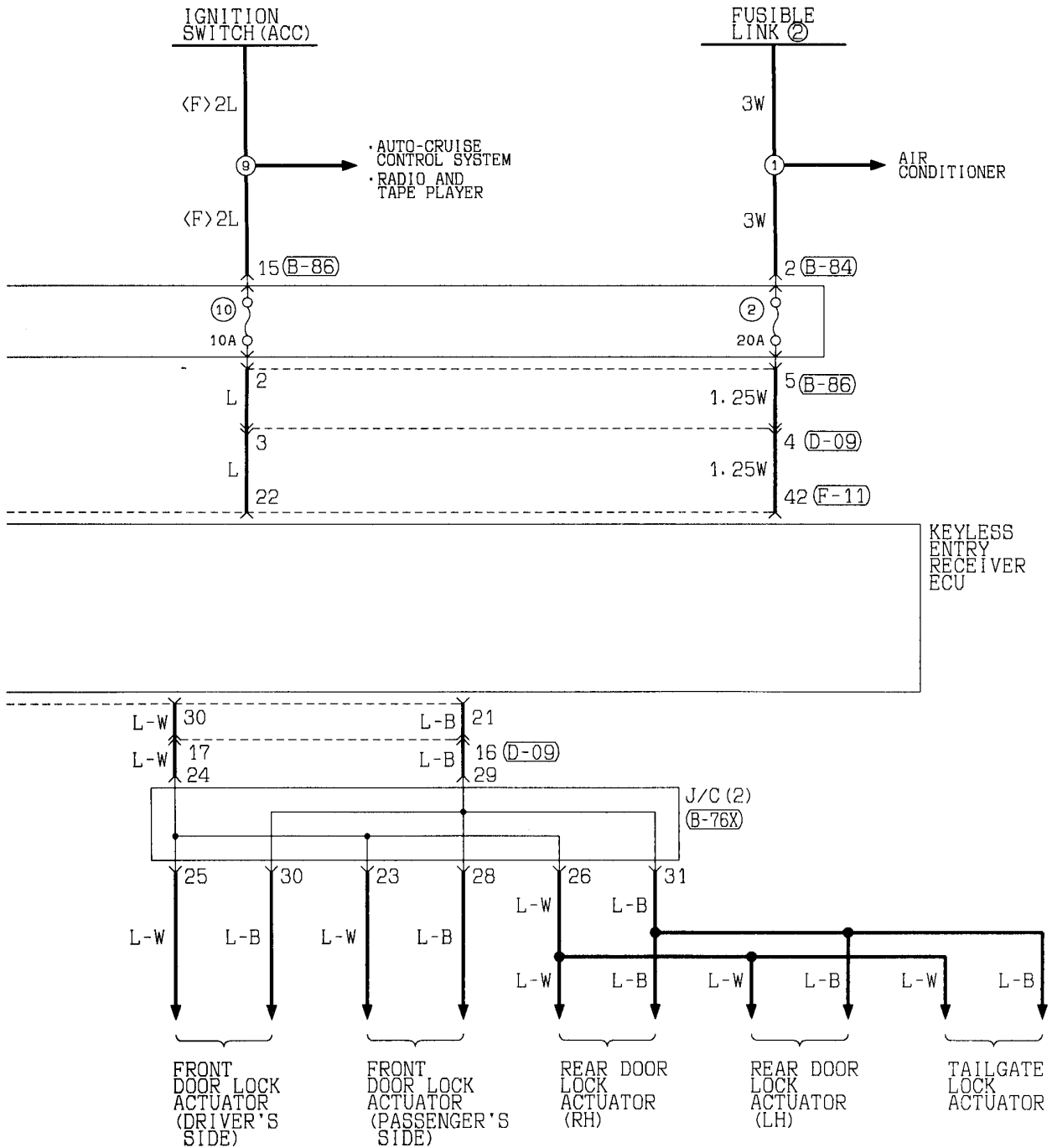
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20							

(B-84)

1	2
---	---

(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						



(B-89)

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

(D-09)

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

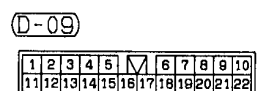
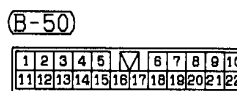
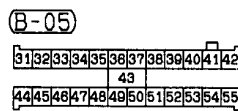
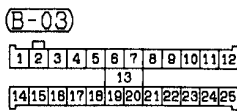
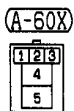
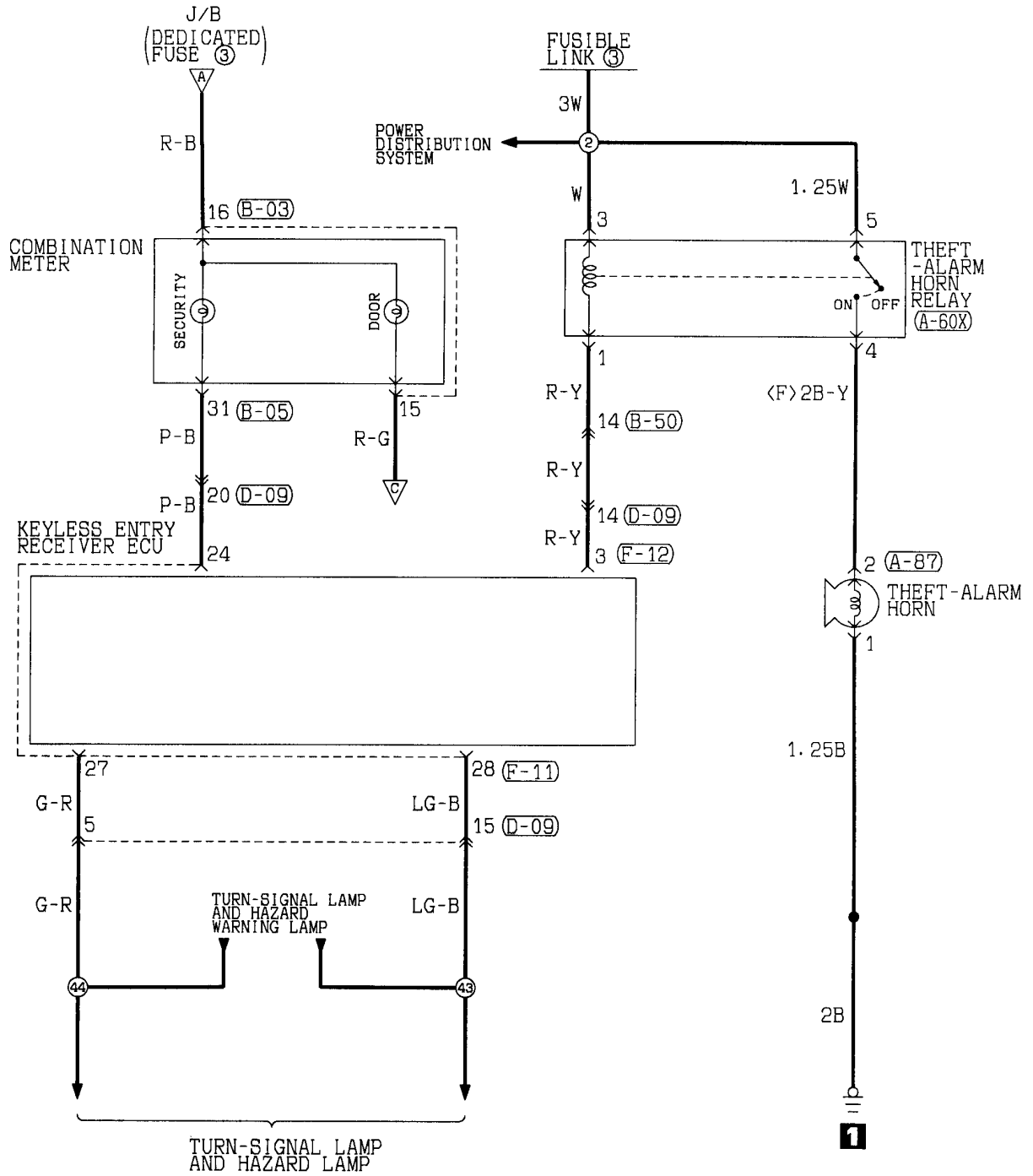
(D-11)

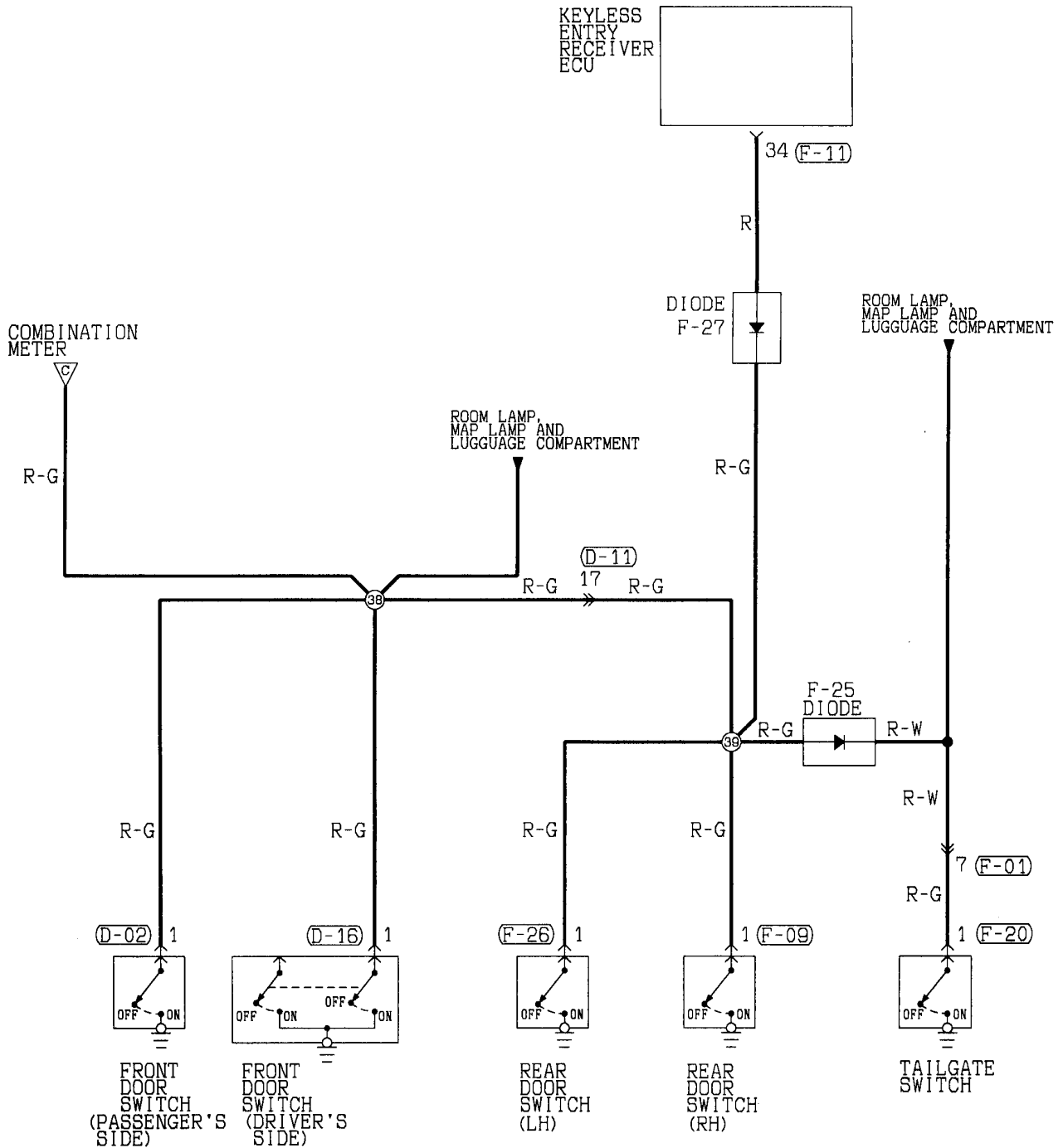
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

(F-11)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

THEFT-ALARM SYSTEM (CONTINUED)





(D-11)

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

(D-16)

M
1 2

(F-01)

1	M	2	3	
4	5	6	7	8

(F-09)

1R
----

(F-11)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

(F-12)

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

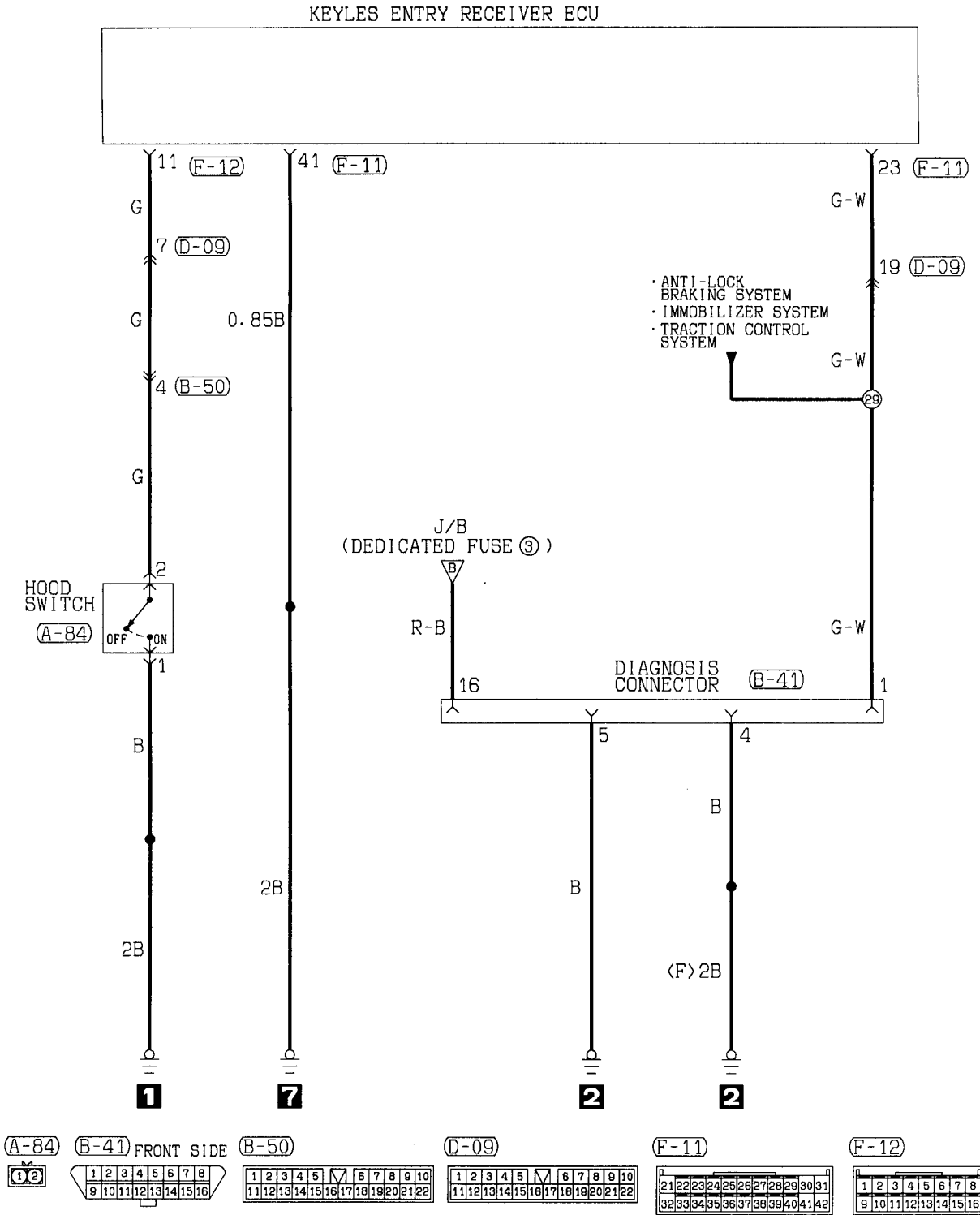
(F-20)

1R
----

(F-26)

1R
----

THEFT-ALARM SYSTEM (CONTINUED)

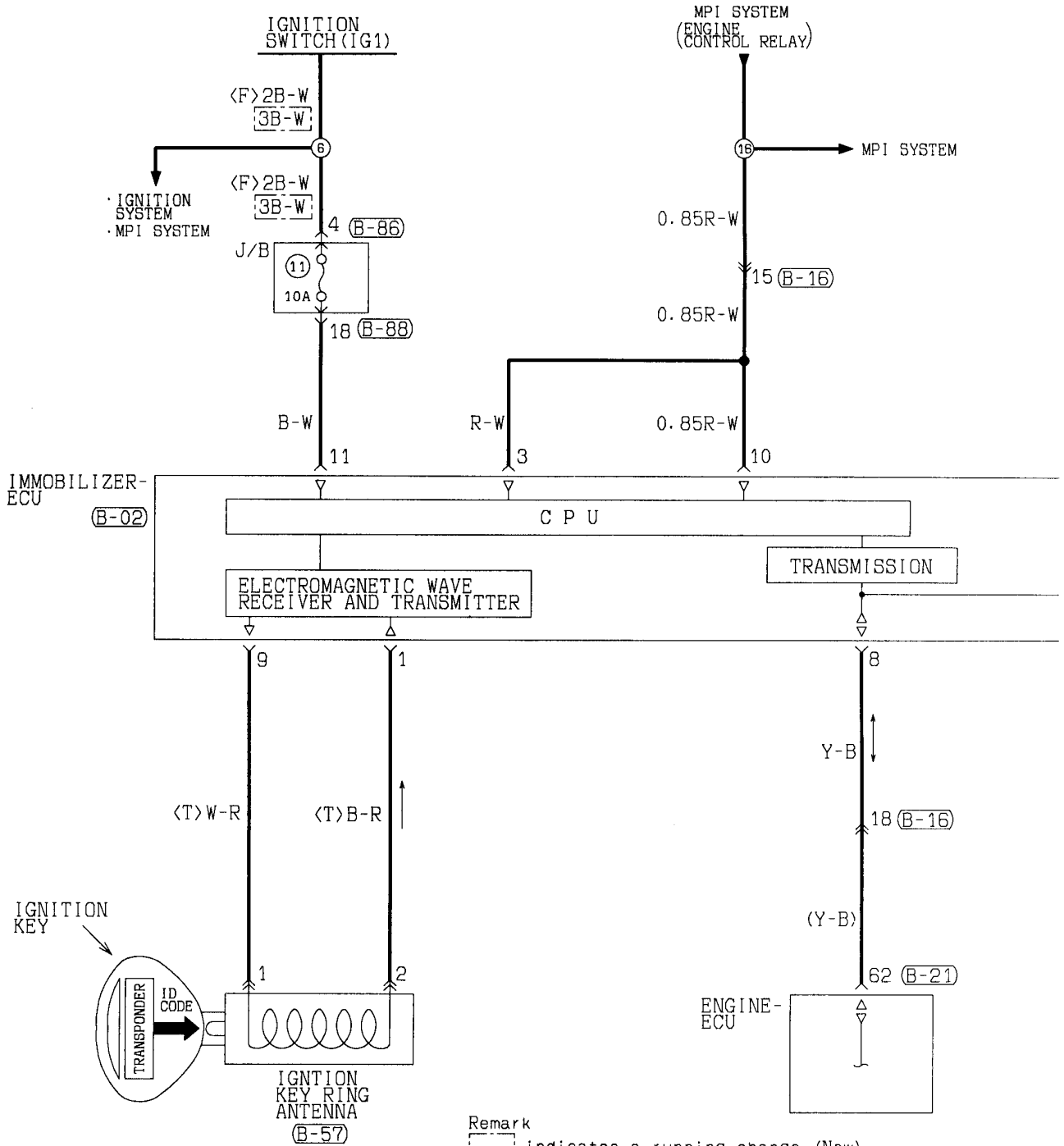


NOTES



IMMOBILIZER SYSTEM

90101360070



Remark  
 [ ] indicates a running change. (New)

B-02

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

B-16

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

B-21

51	52	53	54	55	56
57	58	59	60	61	62

B-41 FRONT SIDE

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

B-57

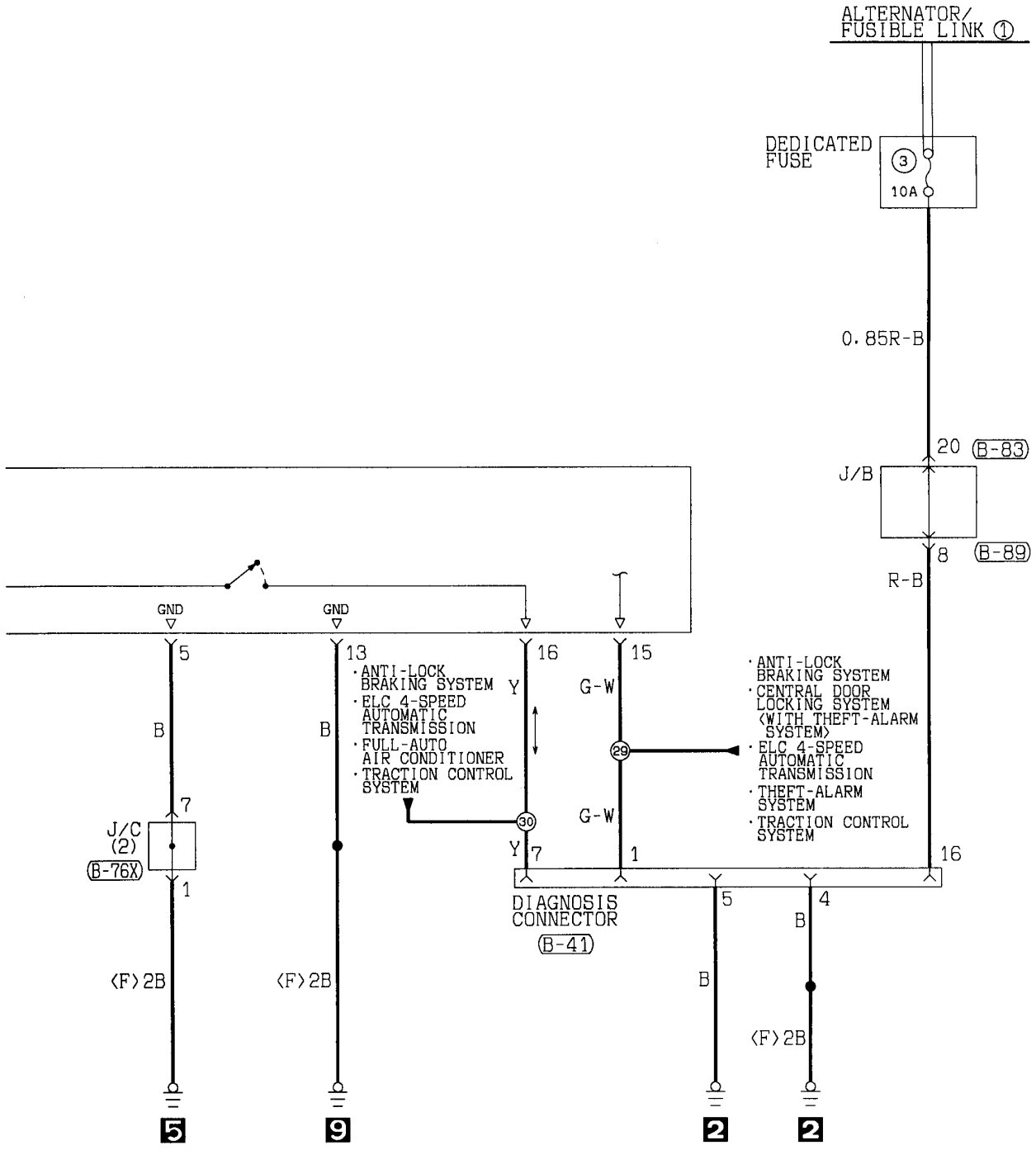
1	2
---	---

B-76X

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

B-83

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



(B-86)

1	2	3	4	M	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(B-88)

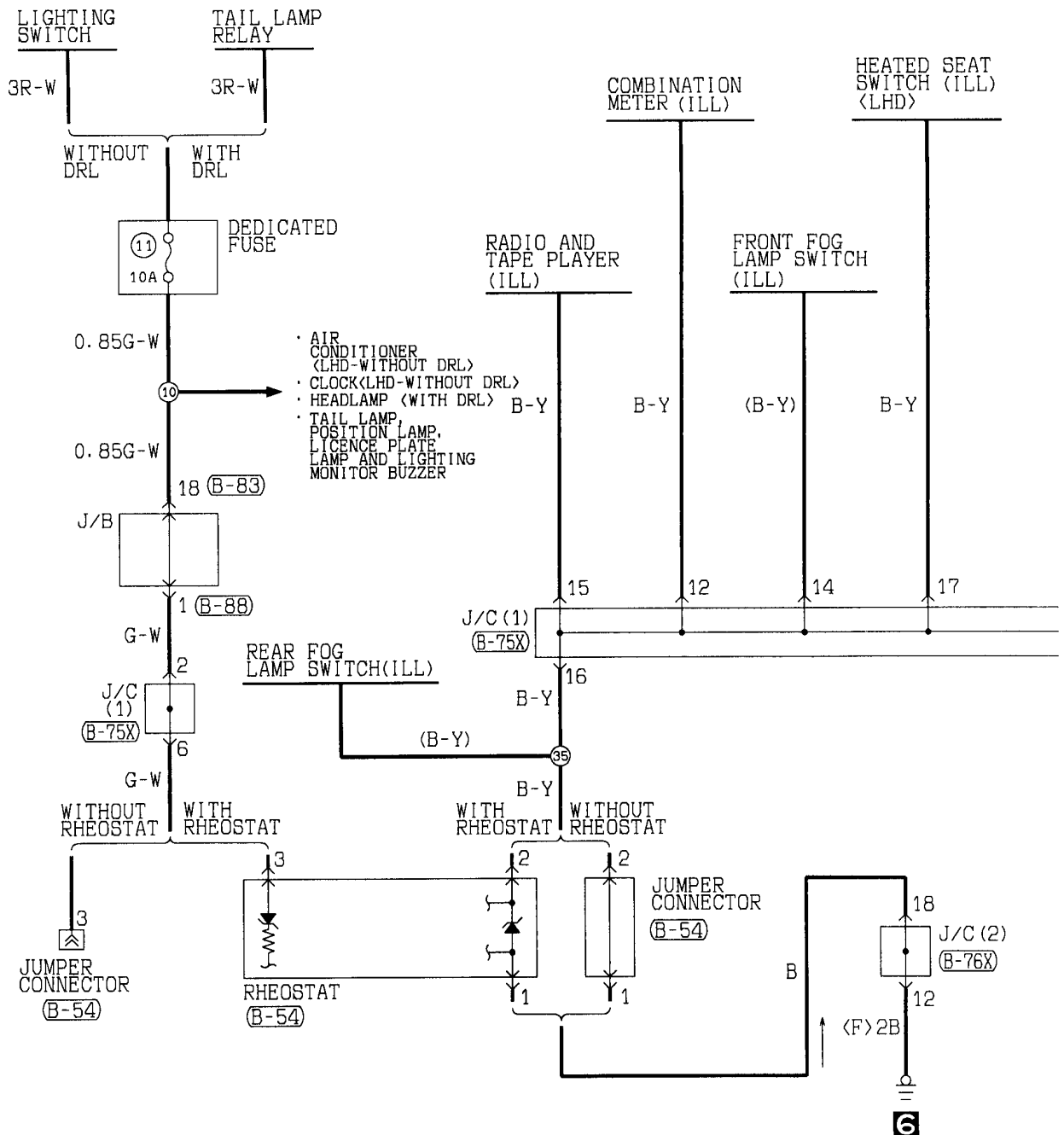
1	2	3	4	5	M	6	7	8	9	10	
11	12	13	14	15	16	17	18	19	20	21	22

(B-89)

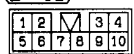
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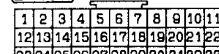
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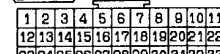
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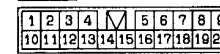
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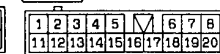
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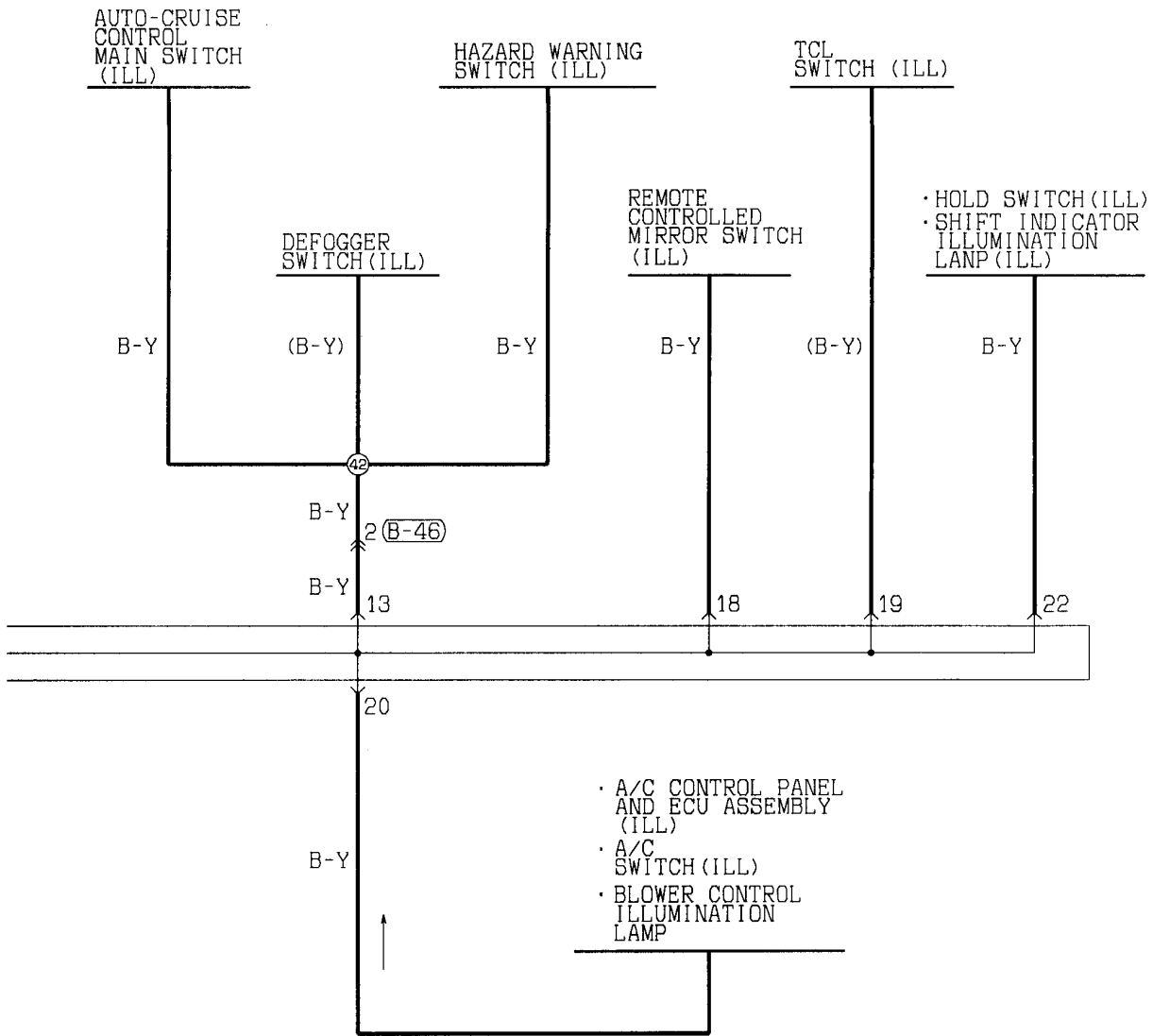


(B-83)



(B-88)





## INDEX (In order of connector No.)

90109010052

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A-01	Control wiring harness and A/C wiring harness combination	4-33, 41, 55, 132, 133, 138, 139	2-4, 8, 12
A-02	Crank angle sensor <DOHC>	4-54	2-12
A-03	Camshaft position sensor <DOHC>	4-54	2-12
A-04	Windshield wiper motor	4-145	2-4, 8, 12
A-05	Ignition coil B <DOHC>	4-27, 50	2-12
A-06	Ignition coil A <DOHC>	4-27, 50	2-12
A-07	Vacuum solenoid valve <TCL>	4-44	2-4, 8
A-08	Ventilation solenoid valve <TCL>	4-44	2-4, 8
A-09	Fuel pump check connector	4-30, 38, 48	2-4, 8, 12
A-10	Ignition timing adjustment connector	4-25, 27, 35, 44, 53	2-4, 8, 12
A-11	Engine speed detection connector <DOHC>	4-26, 49	2-12
A-12	Accelerator pedal position sensor <TCL>	4-42, 63, 175, 186	2-4, 8
A-13	Brake fluid level sensor	4-111	2-4, 8, 12
A-14	Purge control solenoid valve	4-35, 43, 53	2-4, 8, 12
A-15	EGR solenoid valve	4-35, 43, 53	2-4, 8, 12
A-16	DRL-ECU	4-74, 82, 88, 92, 137, 157	2-4, 12
A-17	DRL relay 1	4-73	2-4, 12
A-18	DRL relay 2	4-72	2-4, 12
A-19	Side turn signal lamp (LH)	4-102	2-4, 8, 12
A-20	Air flow sensor	4-34, 42, 52	2-4, 8, 12
A-21	Front speed sensor (LH) <ABS>	4-168	2-4, 8, 12
A-22	Front wiring harness and control wiring harness combination	4-13, 19, 28, 30, 33, 35, 38, 41, 43, 48, 53, 55, 57, 58, 61, 105, 132, 138, 174	2-4, 8, 12
A-23	Control wiring harness and battery cable assembly combination	4-23, 28, 32, 40, 51, 111, 184	2-4, 8, 12
A-24	Front turn signal lamp (LH)	4-102	2-4, 8, 12
A-25	Horn (LH)	4-106, 107	2-4, 8, 12
A-27	Front fog lamp (LH)	4-87, 89	2-4, 8, 12
A-28	Input shaft speed sensor <A/T>	4-68	2-4, 8
A-29	Output shaft speed sensor <A/T>	4-68	2-4, 8

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A-30	ELC-4A/T control solenoid valve	4-61	2-4, 8
A-31	Back-up lamp switch <M/T>	4-105	2-5, 9, 13
A-32	Radiator fan motor	4-57, 132, 138	2-5, 9, 13
A-33	Inhibitor switch <A/T>	4-23, 32, 40, 58, 105, 184	2-5, 9
A-34	Condenser fan motor	4-132, 138	2-5, 9, 13
A-35	Outside thermo sensor <Full-auto A/C> or no connection <Manual A/C>	4-141	2-5, 9, 13
A-36	Power steering oil pressure switch	4-35, 43, 53	2-5, 9, 13
A-37	Position lamp (RH)	4-78, 82	2-5, 9, 13
A-38	Headlamp (RH)	4-69, 72	2-5, 9, 13
A-39	Headlamp leveling unit (RH)	4-76	2-5, 9, 13
A-40	Front fog lamp (RH)	4-87, 89	2-5, 9, 13
A-41	Horn (RH)	4-106, 107	2-5, 9, 13
A-43	Washer fluid level sensor	4-145	2-5, 9, 13
A-44	Headlamp washer motor	4-151	2-5, 13
A-45	Rear washer motor	4-146, 148	2-5, 9, 13
A-46	Windshield washer motor	4-145	2-5, 9, 13
A-47	Front turn signal lamp (RH)	4-102	2-5, 9, 13
A-48	ABS-ECU	4-168, 170, 173	2-5, 9, 13
A-49	Front speed sensor (RH) <ABS>	4-168	2-5, 9, 13
A-50	Side turn signal lamp (RH)	4-102	2-5, 9, 13
A-51	Injector No.1	4-35, 43, 53	2-6, 10, 14
A-52	Injector No.2	4-35, 43, 53	2-6, 10, 14
A-53	Injector No.3	4-35, 43, 53	2-6, 10, 14
A-54	Injector No.4	4-35, 43, 53	2-6, 10, 14
A-55	Auto-cruise control actuator	4-181	2-6, 10, 14
A-56	Throttle position sensor	4-34, 42, 52, 62, 64, 174, 185, 186	2-6, 10, 14
A-57	Idle speed control servo	4-34, 42, 52	2-6, 10, 14
A-58	Oil pressure switch <DOHC>	4-111	2-14
A-59	Ignition failure sensor <DOHC>	4-26, 49	2-14
A-60X	Theft-alarm horn relay	4-11, 192	2-6, 10, 14
A-61X	Tail lamp relay <DRL>	4-11, 22, 73, 82, 88, 92	2-6, 14

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A-62X	Alternator relay	4-11, 28	2-6, 10, 14
A-63X	Radiator fan relay	4-11, 57, 132, 138	2-6, 10, 14
A-64X	Headlamp relay	4-11, 13, 19, 69, 72, 90, 92	2-6, 10, 14
A-65X	Headlamp washer relay	4-11, 151	2-6, 14
A-66X	-	4-11	-
A-67X	Horn relay <SRS>	4-11, 107	2-6, 10, 14
A-68	Front wiring harness and DRL wiring harness combination	4-72, 73, 74, 82, 88, 92	2-6, 14
A-69	Front wiring harness and DRL wiring harness combination	4-72, 73, 74, 75, 82, 88, 92, 137, 157	2-6, 14
A-70	Headlamp leveling unit (LH)	4-76	2-6, 10, 14
A-71	Headlamp (LH)	4-69, 72	2-6, 10, 14
A-72	Position lamp (LH)	4-78, 82	2-6, 10, 14
A-73	Distributor assembly <SOHC>	4-25, 31, 39	2-6, 10
A-74	Distributor assembly <SOHC>	4-25, 31, 39	2-6, 10
A-75	Engine coolant temperature gauge unit	4-108	2-6, 10, 14
A-76	Engine coolant temperature sensor	4-34, 42, 52	2-6, 10, 14
A-77	Detonation sensor	4-35, 43, 53	2-7, 11, 15
A-78	Starter	4-23, 184	2-7, 11, 15
A-79	Starter	4-23, 184	2-7, 11, 15
A-80	Dual pressure switch	4-133, 139	2-7, 11, 15
A-81	A/C refrigerant temperature switch and magnetic clutch	4-133, 139	2-7, 11, 15
A-82	Oil pressure switch <SOHC> or no connection <DOHC>	4-111	2-7, 11, 15
A-83	Front wiring harness and A/C wiring harness combination	4-12, 18, 132, 138, 141	2-7, 11, 15
A-84	Hood switch <Theft-alarm system>	4-194	2-7, 11, 15
A-85	Alternator	4-28	2-7, 11, 15
A-86	Alternator	4-28	2-7, 11, 15
A-87	Theft-alarm horn	4-192	2-7, 11, 15
A-89X	-	4-11	-
A-90X	Condenser fan relay (LO)	4-11, 132, 138	2-7, 11, 15
A-91X	Condenser fan relay (HI)	4-11, 132, 138	2-7, 11, 15

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A-92X	A/C compressor relay	4-11, 133, 139	2-7, 11, 15
B-01	Clutch switch <Auto-cruise control system>	4-187	2-16, 20
B-02	Immobilizer-ECU	4-36, 46, 56, 196	2-16, 20
B-03	Combination meter	4-36, 46, 56, 66, 67, 69, 72, 91, 93, 96, 103, 108, 109, 111, 168, 172, 187, 192	2-16, 20
B-04	Mode selection damper control motor <Full-auto A/C>	4-140	2-16, 20
B-05	Combination meter	4-28, 32, 36, 40, 46, 51, 56, 66, 67, 91, 93, 103, 108, 109, 111, 145, 168, 172, 182, 187, 188, 192	2-16, 20
B-06	A/C control panel and ECU assembly <Full-auto A/C>	4-136, 137, 139, 140, 141	2-16, 20
B-07	A/C control panel and ECU assembly <Full-auto A/C>	4-136, 137, 140	2-16, 20
B-08	Blower control illumination lamp <Heater and manual A/C>	4-126, 130	2-16, 20
B-09	Radio and tape player	4-160, 162	2-16, 20
B-10	Photo sensor <Full-auto A/C>	4-140	2-16, 20
B-11	Heater water temperature sensor <Full-auto A/C>	4-140	2-16, 20
B-12	Air bag module (squib) (Passenger's side)	4-188	2-16, 20
B-13	Air purifier <Full-auto A/C>	4-137	2-16, 20
B-14	Outside/inside air selection damper motor <Full-auto A/C>	4-140	2-16, 20
B-15	Control wiring harness and body wiring harness combination	4-14, 20, 23, 25, 26, 30, 31, 32, 38, 39, 40, 48, 49, 51, 58, 184	2-16, 20
B-16	Control wiring harness and body wiring harness combination	4-25, 31, 32, 33, 36, 39, 40, 41, 46, 51, 55, 56, 60, 67, 68, 105, 108, 109, 111, 134, 142, 144, 187, 196	2-16, 20
B-17	Control wiring harness and body wiring harness combination <TCL or auto-cruise control system>	4-45, 63, 174, 175, 180, 181, 182, 183, 186, 187	2-16, 20
B-18	Front door wiring harness (Passenger's side) and body wiring harness combination	4-114, 115, 116, 117, 124, 153, 155, 156, 190	2-16, 20
B-19	Engine-ECU	4-25, 27, 30, 31, 33, 34, 36, 38, 39, 41, 42, 44, 45, 48, 50, 52, 54, 55, 57, 63, 64, 134, 142, 175	2-16, 20



Connector No.	Parts name	Circuit diagram page	Wiring diagram page
B-20	Engine-ECU	4-30, 32, 33, 35, 38, 40, 41, 43, 45, 48, 51, 53, 55, 62, 134, 142, 174	2-16, 20
B-21	Engine-ECU	4-25, 26, 27, 34, 35, 36, 43, 44, 45, 46, 49, 52, 53, 56, 63, 64, 108, 175, 196	2-16, 20
B-22	Engine-ECU	4-25, 26, 30, 31, 33, 34, 35, 36, 38, 39, 41, 42, 43, 46, 48, 49, 51, 52, 53, 54, 56, 62, 64, 109, 174, 185, 186	2-16, 20
B-23	Blower high speed relay <Full-auto A/C>	4-136	2-16, 20
B-24	Blower motor	4-127, 131, 136	2-16, 20
B-25	Automatic compressor ECU <Manual A/C>	4-133, 134	2-16, 20
B-26	Resistor <Heater or manual A/C>	4-127, 131	2-16, 20
B-27	Power transistor <Full-auto A/C>	4-136	2-16, 20
B-28	Air thermo sensor <A/C>	4-134, 140	2-16, 20
B-29	A/T relay	4-61	2-16, 20
B-30	Engine control relay	4-30, 38, 48, 174	2-17, 20
B-31	ELC-4A/T-ECU	4-36, 45, 58, 60, 61, 63, 64, 67, 68, 175	2-17, 21
B-32	ELC-4A/T-ECU	4-45, 61, 62, 64, 67, 68, 109, 175	2-17, 21
B-33	Oxygen sensor	4-34, 43, 52	2-17, 21
B-34	ELC-4A/T-ECU	4-45, 59, 60, 61, 62, 67, 68, 134, 142, 174, 182	2-17, 21
B-35	Auto-cruise ECU	4-67, 109, 180, 182, 184, 185, 186, 187	2-17, 21
B-36	Control wiring harness and body wiring harness combination <A/T>	4-59, 60, 66, 68	2-17, 21
B-37	Kickdown switch <A/T>	4-67	2-17, 21
B-38	Air mixing damper control motor <Full-auto A/C>	4-140	2-17, 21
B-39	A/C switch <Manual A/C>	4-130, 134	2-17, 21
B-40	Blower switch <Heater or manual A/C>	4-127, 131	2-17, 21
B-41	Diagnosis connector	4-36, 46, 56, 68, 118, 141, 170, 178, 187, 189, 194, 197	2-17, 21
B-42	Stop lamp switch <Vehicles without auto-cruise control system> or no connection <Vehicles with auto-cruise control system>	4-60, 104, 169, 176, 181	2-17, 21

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
B-43	Stop lamp switch <Vehicles with auto-cruise control system>	4-60, 104, 169, 176, 181	2-17, 21
B-44	Remote controlled mirror switch	4-156	2-17, 21
B-45	Headlamp leveling switch	4-76	2-17, 21
B-46	Instrument panel wiring harness and body wiring harness combination	4-101, 152, 154, 157, 158, 160, 162, 180, 199	2-17, 21
B-47	Rear fog lamp switch	4-91, 93	2-17, 21
B-48	Front fog lamp switch	4-87, 89	2-17, 21
B-49	Front door wiring harness (Driver's side) and body wiring harness combination	4-114, 115, 116, 117, 120, 121, 122, 123, 153, 155, 156, 190	2-17, 21
B-50	Front wiring harness and body wiring harness combination	4-28, 60, 65, 69, 72, 74, 75, 76, 78, 82, 90, 92, 104, 106, 107, 133, 137, 139, 144, 145, 146, 148, 156, 157, 160, 162, 169, 176, 181, 182, 192, 194	2-17, 21
B-51	Front wiring harness and body wiring harness combination	4-12, 18	2-17, 21
B-52	Front wiring harness and body wiring harness combination	4-87, 89, 141, 151, 169, 170, 173	2-17, 21
B-53	Front wiring harness and body wiring harness combination	4-14, 15, 16, 20, 21, 33, 41, 55, 57, 69, 72, 75, 78, 82, 86, 88, 90, 92, 94, 120, 132, 138, 160, 162, 182	2-17, 21
B-54	Rheostat or jumper connector	4-198	2-17, 21
B-55	Column switch	4-106, 144, 146, 148	2-18, 22
B-56	Slip ring <Auto-cruise control system (without SRS)>	4-106, 183	2-18, 22
B-57	Ignition key ring antenna	4-196	2-18, 22
B-58	Ignition switch	4-14, 20	2-18, 22
B-59	Clock spring <SRS>	4-107, 183	2-18, 22
B-60	Clock spring <SRS>	4-188	2-18, 22
B-61	Steering wheel sensor <TCL>	4-173	2-18, 22
B-62	Auto-cruise control switch <SRS>	4-183	2-18, 22
B-63	Horn switch <SRS>	4-107	2-18, 22
B-64	Air bag module (squib) (Driver's side)	4-188	2-18, 22
B-65	Column switch	4-16, 69, 75, 78, 82, 86, 88, 90, 94, 101, 151	2-18, 22
B-66	Column switch	4-69, 75, 90, 94, 151	2-18, 22

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
B-67X	Door lock ECU <Vehicles without theft-alarm system>	4-11, 114	2-18, 22
B-68X	-	4-11	-
B-69X	Rear intermittent wiper relay	4-11, 146, 148	2-18, 22
B-70X	Rear fog lamp relay	4-11, 90, 92	2-18, 22
B-71X	-	4-11	-
B-72X	Diode	4-11, 69, 75, 90, 94	2-18, 22
B-73X	-	4-11	-
B-74X	-	4-11	-
B-75X	J/C (1)	4-6, 11, 65, 66, 69, 72, 76, 79, 83, 87, 89, 90, 91, 92, 93, 101, 109, 126, 127, 130, 131, 136, 141, 152, 154, 156, 158, 160, 162, 166, 176, 198	2-18, 22
B-76X	J/C (2)	4-6, 11, 69, 75, 76, 90, 94, 108, 111, 114, 115, 116, 117, 144, 146, 148, 151, 153, 155, 156, 173, 183, 187, 191, 197, 198	2-18, 22
B-77	J/B and roof wiring harness combination <Sun-roof>	4-4, 5, 164	2-18, 22
B-78	J/B and roof wiring harness combination	4-4, 5, 96, 164, 165	2-18, 22
B-79	J/B and instrument panel wiring harness combination	4-4, 5, 100, 101, 103, 152, 154, 157, 158, 159, 180	2-18, 22
B-80	Blower relay	4-4, 5, 127, 131, 136	2-18, 22
B-81	Defogger relay	4-4, 5, 152, 154	2-18, 22
B-82	Turn-signal and hazard warning flasher unit	4-4, 5, 101	2-18, 22
B-83	J/B and front wiring harness combination	4-4, 5, 36, 46, 56, 58, 65, 68, 69, 72, 73, 76, 79, 83, 86, 88, 90, 91, 92, 93, 96, 100, 102, 105, 109, 116, 126, 130, 141, 151, 152, 154, 157, 158, 159, 160, 161, 162, 163, 166, 170, 172, 176, 178, 180, 187, 189, 190, 197, 198	2-19, 23
B-84	J/B and front wiring harness combination	4-4, 5, 16, 22, 114, 118, 127, 131, 136, 152, 154, 164, 191	2-19, 23
B-85	J/B and body wiring harness combination	4-4, 5, 15, 21, 73, 120, 127, 131, 136, 151, 152, 154, 164, 166, 169, 172, 180	2-19, 23

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
B-86	J/B and body wiring harness combination	4-4, 5, 14, 15, 20, 21, 28, 32, 40, 51, 58, 79, 83, 100, 101, 105, 106, 107, 108, 111, 116, 118, 127, 131, 136, 145, 146, 148, 152, 153, 154, 155, 156, 157, 158, 159, 161, 163, 164, 168, 172, 180, 182, 188, 191, 196	2-19, 23
B-87	Buzzer-ECU	4-4, 5, 79, 83	2-19, 23
B-88	J/B and body wiring harness combination	4-4, 5, 28, 32, 40, 51, 59, 65, 79, 83, 86, 88, 91, 93, 101, 102, 103, 108, 109, 111, 120, 126, 130, 144, 145, 146, 148, 156, 158, 160, 161, 162, 163, 166, 168, 169, 172, 176, 180, 182, 188, 196, 198	2-19, 23
B-89	J/B and body wiring harness combination	4-4, 5, 36, 46, 56, 68, 69, 72, 76, 90, 92, 96, 102, 103, 106, 107, 114, 116, 127, 131, 136, 141, 144, 160, 161, 162, 163, 165, 170, 172, 178, 180, 187, 189, 190, 197	2-19, 23
B-90	No connection	4-4, 5	2-19, 23
B-91	Diode	4-33, 41, 55, 69, 72, 153, 155	2-17, 21
C-01	Front speaker (Driver's side)	4-160, 162	2-24, 25
C-02	Hazard warning switch	4-100	2-24, 25
C-03	Defogger switch	4-152, 154	2-24, 25
C-04	Clock	4-157, 158	2-24, 25
C-05	Auto-cruise control main switch	4-180	2-24, 25
C-06	Front speaker (Passenger's side)	4-160, 162	2-24, 25
C-07	Cigarette lighter	4-159	2-24, 25
C-08	Cigarette lighter illumination lamp	4-159	2-24, 25
C-09	Ashtray illumination lamp	4-159	2-24, 25
D-01	Heated seat (RH)	4-167	2-26
D-02	Front door switch (Passenger's side)	4-97, 193	2-26, 28
D-03	Seat belt pretensioner (Passenger's side) <SRS>	4-189	2-26, 28
D-04	Rear door wiring harness (RH) and body wiring harness combination	4-115, 117, 123, 125	2-26, 28
D-05	Sunroof ECU	4-164	2-26, 28
D-06	Sunroof motor	4-165	2-26, 28
D-07	Room lamp and sunroof switch	4-96, 164	2-26, 28

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
D-08	TCL switch	4-176	2-26, 28
D-09	Rear wiring harness and body wiring harness combination	4-116, 117, 118, 161, 163, 190, 191, 192, 194	2-26, 28
D-10	Fuel pump and gauge unit assembly	4-30, 38, 48, 108, 111	2-26, 28
D-11	Rear wiring harness and body wiring harness combination	4-80, 84, 91, 93, 97, 103, 104, 105, 114, 115, 116, 117, 146, 148, 153, 155, 160, 161, 162, 163, 190, 193	2-26, 28
D-12	Rear speed sensor (LH) <ABS>	4-169	2-26, 28
D-13	Fuel pump wiring harness and body wiring harness combination	4-30, 38, 48, 108, 111, 169	2-26, 28
D-14	Rear door wiring harness (LH) and body wiring harness combination	4-115, 117, 122, 125	2-27, 29
D-15	Seat belt pretensioner (Driver's side) <SRS>	4-189	2-27, 29
D-16	Front door switch (Driver's side)	4-79, 83, 97, 120, 165, 193	2-27, 29
D-17	Rear speed sensor (RH) <ABS>	4-169	2-27, 29
D-18	Heated seat (LH)	4-167	2-27
D-19	Hold switch <A/T>	4-65	2-27, 29
D-20	Parking brake switch	4-111	2-27, 29
D-21	TCL-ECU	4-45, 63, 170, 172, 173, 174, 175, 177, 186	2-27, 29
D-22	TCL-ECU	4-45, 63, 170, 173, 175, 177, 178	2-27, 29
D-23	SRS-ECU	4-189	2-27, 29
D-24	Shift indicator illumination lamp <A/T>	4-65	2-27, 29
D-25	Heated seat switch (LH)	4-166	2-27
D-26	Heated seat switch (RH)	4-166	2-27
D-27	Map lamp <Vehicles without sunroof>	4-96	2-27, 29
D-28	Room lamp <Vehicles without sunroof>	4-96	2-27, 29
E-01	Remote controlled mirror (LH)	4-153, 155, 156	2-30, 31
E-02	Power window main switch	4-120, 122	2-30, 31
E-03	Front door lock actuator (Driver's side)	4-114, 115, 116, 117	2-30, 31
E-04	Door lock key cylinder switch (Driver's side)	4-116	2-30, 31
E-05	Front power window regulator assembly (Driver's side)	4-121	2-30, 31
E-06	Power window sub switch (Rear:LH)	4-122	2-30, 31

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
E-07	Rear door lock actuator (LH)	4-115, 117	2-30, 31
E-08	Rear power window regulator assembly (LH)	4-125	2-30, 31
E-09	Remote controlled mirror (RH)	4-153, 155, 156	2-30, 31
E-10	Power window sub switch (Passenger's side)	4-124	2-30, 31
E-11	Front door lock actuator (Passenger's side)	4-115, 117	2-30, 31
E-12	Door lock key cylinder switch (Passenger's side)	4-114, 116	2-30, 31
E-13	Front power window regulator assembly (Passenger's side)	4-124	2-30, 31
E-14	Power window sub switch (Rear:RH)	4-123	2-30, 31
E-15	Rear door lock actuator (RH)	4-115, 117	2-30, 31
E-16	Rear power window regulator assembly (RH)	4-125	2-30, 31
F-01	Tailgate wiring harness and rear wiring harness combination	4-80, 84, 91, 93, 97, 104, 147, 149, 153, 155, 193	2-32
F-02	Tailgate wiring harness and rear wiring harness combination	4-114, 115, 116, 117	2-32
F-03	Defogger (+)	4-153, 155	2-32
F-04	Rear combination lamp (LH)	4-80, 84, 103, 104, 105	2-32
F-05	High mounted stop lamp	4-104	2-32
F-06	Licence plate lamp (LH)	4-80, 84	2-32
F-07	Licence plate lamp (LH)	4-80, 84	2-32
F-08	Defogger (-)	4-153, 155	2-32
F-09	Rear door switch (RH)	4-97, 193	2-32
F-10	Rear speaker (RH)	4-160, 162	2-32
F-11	Keyless entry receiver ECU	4-116, 117, 118, 191, 192, 193, 194	2-32
F-12	Keyless entry receiver ECU	4-192, 194	2-32
F-13	Rear combination lamp (RH)	4-80, 84, 103, 104, 105	2-32
F-14	Motor antenna assembly	4-161, 163	2-32
F-15	Rear fog lamp (RH)	4-91	2-32
F-16	Licence plate lamp (RH)	4-80, 84	2-32
F-17	Licence plate lamp (RH)	4-80, 84	2-32

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
F-18	Tailgate lock key cylinder switch	4-114, 116	2-32
F-19	Tailgate lock actuator	4-115, 117	2-32
F-20	Tailgate switch	4-97, 193	2-32
F-21	Rear wiper motor	4-147, 149	2-32
F-22	Luggage compartment lamp	4-97	2-32
F-23	Luggage compartment lamp	4-97	2-32
F-24	Rear speaker (LH)	4-160, 162	2-32
F-25	Diode (Room lamp circuit)	4-97, 193	2-32
F-26	Rear door switch (LH)	4-97, 193	2-32
F-27	Diode	4-193	2-32
F-28	Rear fog lamp (LH)	4-91, 93	2-32

## INDEX (In order of parts name)

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
A/C compressor relay	A-92X	4-11, 133, 139	2-7, 11, 15
A/C control panel and ECU assembly <Full-auto A/C>	B-06	4-136, 137, 139, 140, 141	2-16, 20
	B-07	4-136, 137, 140	2-16, 20
A/C refrigerant temperature switch and magnetic clutch	A-81	4-133, 139	2-7, 11, 15
A/C switch <Manual A/C>	B-39	4-130, 134	2-17, 21
A/T relay	B-29	4-61	2-16, 20
ABS-ECU	A-48	4-168, 170, 173	2-5, 9, 13
Accelerator pedal position sensor <TCL>	A-12	4-42, 63, 175, 186	2-4, 8
Air bag module (squib) (Driver's side)	B-64	4-188	2-18, 22
Air bag module (squib) (Passenger's side)	B-12	4-188	2-16, 20
Air flow sensor	A-20	4-34, 42, 52	2-4, 8, 12
Air mixing damper control motor <Full-auto A/C>	B-38	4-140	2-17, 21
Air purifier <Full-auto A/C>	B-13	4-137	2-16, 20
Air thermo sensor <A/C>	B-28	4-134, 140	2-16, 20
Alternator	A-85	4-28	2-7, 11, 15
	A-86	4-28	2-7, 11, 15
Alternator relay	A-62X	4-11, 28	2-6, 10, 14
Ashtray illumination lamp	C-09	4-159	2-24, 25
Auto-cruise ECU	B-35	4-67, 109, 180, 182, 184, 185, 186, 187	2-17, 21
Auto-cruise control actuator	A-55	4-181	2-6, 10, 14
Auto-cruise control main switch	C-05	4-180	2-24, 25
Auto-cruise control switch <SRS>	B-62	4-183	2-18, 22
Automatic compressor ECU <Manual A/C>	B-25	4-133, 134	2-16, 20
Back-up lamp switch <M/T>	A-31	4-105	2-5, 9, 13
Blower control illumination lamp <Heater and manual A/C>	B-08	4-126, 130	2-16, 20
Blower high speed relay <Full-auto A/C>	B-23	4-136	2-16, 20
Blower motor	B-24	4-127, 131, 136	2-16, 20
Blower relay	B-80	4-4, 5, 127, 131, 136	2-18, 22



Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Blower switch <Heater or manual A/C>	B-40	4-127, 131	2-17, 21
Brake fluid level sensor	A-13	4-111	2-4, 8, 12
Buzzer-ECU	B-87	4-4, 5, 79, 83	2-19, 23
Camshaft position sensor <DOHC>	A-03	4-54	2-12
Cigarette lighter	C-07	4-159	2-24, 25
Cigarette lighter illumination lamp	C-08	4-159	2-24, 25
Clock	C-04	4-157, 158	2-24, 25
Clock spring <SRS>	B-59	4-107, 183	2-18, 22
	B-60	4-188	2-18, 22
Clutch switch <Auto-cruise control system>	B-01	4-187	2-16, 20
Column switch	B-55	4-106, 144, 146, 148	2-18, 22
	B-65	4-16, 69, 75, 78, 82, 86, 88, 90, 94, 101, 151	2-18, 22
	B-66	4-69, 75, 90, 94, 151	2-18, 22
Combination meter	B-03	4-36, 46, 56, 66, 67, 69, 72, 91, 93, 96, 103, 108, 109, 111, 168, 172, 187, 192	2-16, 20
	B-05	4-28, 32, 36, 40, 46, 51, 56, 66, 67, 91, 93, 103, 108, 109, 111, 145, 168, 172, 182, 187, 188, 192	2-16, 20
Condenser fan motor	A-34	4-132, 138	2-5, 9, 13
Condenser fan relay (HI)	A-91X	4-11, 132, 138	2-7, 11, 15
Condenser fan relay (LO)	A-90X	4-11, 132, 138	2-7, 11, 15
Control wiring harness and A/C wiring harness combination	A-01	4-33, 41, 55, 132, 133, 138, 139	2-4, 8, 12
Control wiring harness and battery cable assembly combination	A-23	4-23, 28, 32, 40, 51, 111, 184	2-4, 8, 12
Control wiring harness and body wiring harness combination	B-15	4-14, 20, 23, 25, 26, 30, 31, 32, 38, 39, 40, 48, 49, 51, 58, 184	2-16, 20
	B-16	4-25, 31, 32, 33, 36, 39, 40, 41, 46, 51, 55, 56, 60, 67, 68, 105, 108, 109, 111, 134, 142, 144, 187, 196	2-16, 20
Control wiring harness and body wiring harness combination <A/T>	B-36	4-59, 60, 66, 68	2-17, 21
Control wiring harness and body wiring harness combination <TCL or auto-cruise control system>	B-17	4-45, 63, 174, 175, 180, 181, 182, 183, 186, 187	2-16, 20
Crank angle sensor <DOHC>	A-02	4-54	2-12

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
DRL-ECU	A-16	4-74, 82, 88, 92, 137, 157	2-4, 12
DRL relay 1	A-17	4-73	2-4, 12
DRL relay 2	A-18	4-72	2-4, 12
Defogger (+)	F-03	4-153, 155	2-32
Defogger (-)	F-08	4-153, 155	2-32
Defogger relay	B-81	4-4, 5, 152, 154	2-18, 22
Defogger switch	C-03	4-152, 154	2-24, 25
Detonation sensor	A-77	4-35, 43, 53	2-7, 11, 15
Diagnosis connector	B-41	4-36, 46, 56, 68, 118, 141, 170, 178, 187, 189, 194, 197	2-17, 21
Diode	B-72X	4-11, 69, 75, 90, 94	2-18, 22
	B-91	4-33, 41, 55, 69, 72, 153, 155	2-17, 21
	F-27	4-193	2-32
Diode (Room lamp circuit)	F-25	4-97, 193	2-32
Distributor assembly <SOHC>	A-73	4-25, 31, 39	2-6, 10
	A-74	4-25, 31, 39	2-6, 10
Door lock ECU <Vehicles without theft-alarm system>	B-67X	4-11, 114	2-18, 22
Door lock key cylinder switch (Driver's side)	E-04	4-116	2-30, 31
Door lock key cylinder switch (Passenger's side)	E-12	4-114, 116	2-30, 31
Dual pressure switch	A-80	4-133, 139	2-7, 11, 15
EGR solenoid valve	A-15	4-35, 43, 53	2-4, 8, 12
ELC-4A/T-ECU	B-31	4-36, 45, 58, 60, 61, 63, 64, 67, 68, 175	2-17, 21
	B-32	4-45, 61, 62, 64, 67, 68, 109, 175	2-17, 21
	B-34	4-45, 59, 60, 61, 62, 67, 68, 134, 142, 174, 182	2-17, 21
ELC-4A/T control solenoid valve	A-30	4-61	2-4, 8

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Engine-ECU	B-19	4-25, 27, 30, 31, 33, 34, 36, 38, 39, 41, 42, 44, 45, 48, 50, 52, 54, 55, 57, 63, 64, 134, 142, 175	2-16, 20
	B-20	4-30, 32, 33, 35, 38, 40, 41, 43, 45, 48, 51, 53, 55, 62, 134, 142, 174	2-16, 20
	B-21	4-25, 26, 27, 34, 35, 36, 43, 44, 45, 46, 49, 52, 53, 56, 63, 64, 108, 175, 196	2-16, 20
	B-22	4-25, 26, 30, 31, 33, 34, 35, 36, 38, 39, 41, 42, 43, 46, 48, 49, 51, 52, 53, 54, 56, 62, 64, 109, 174, 185, 186	2-16, 20
Engine control relay	B-30	4-30, 38, 48, 174	2-17, 20
Engine coolant temperature gauge unit	A-75	4-108	2-6, 10, 14
Engine coolant temperature sensor	A-76	4-34, 42, 52	2-6, 10, 14
Engine speed detection connector <DOHC>	A-11	4-26, 49	2-12
Front door lock actuator (Driver's side)	E-03	4-114, 115, 116, 117	2-30, 31
Front door lock actuator (Passenger's side)	E-11	4-115, 117	2-30, 31
Front door switch (Driver's side)	D-16	4-79, 83, 97, 120, 165, 193	2-27, 29
Front door switch (Passenger's side)	D-02	4-97, 193	2-26, 28
Front door wiring harness (Driver's side) and body wiring harness combination	B-49	4-114, 115, 116, 117, 120, 121, 122, 123, 153, 155, 156, 190	2-17, 21
Front door wiring harness (Passenger's side) and body wiring harness combination	B-18	4-114, 115, 116, 117, 124, 153, 155, 156, 190	2-16, 20
Front fog lamp (LH)	A-27	4-87, 89	2-4, 8, 12
Front fog lamp (RH)	A-40	4-87, 89	2-5, 9, 13
Front fog lamp switch	B-48	4-87, 89	2-17, 21
Front power window regulator assembly (Driver's side)	E-05	4-121	2-30, 31
Front power window regulator assembly (Passenger's side)	E-13	4-124	2-30, 31
Front speaker (Driver's side)	C-01	4-160, 162	2-24, 25
Front speaker (Passenger's side)	C-06	4-160, 162	2-24, 25
Front speed sensor (LH) <ABS>	A-21	4-168	2-4, 8, 12
Front speed sensor (RH) <ABS>	A-49	4-168	2-5, 9, 13

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Front turn signal lamp (RH)	A-47	4-102	2-5, 9, 13
Front turn signal lamp (LH)	A-24	4-102	2-4, 8, 12
Front wiring harness and A/C wiring harness combination	A-83	4-12, 18, 132, 138, 141	2-7, 11, 15
Front wiring harness and DRL wiring harness combination	A-68	4-72, 73, 74, 82, 88, 92	2-6, 14
	A-69	4-72, 73, 74, 75, 82, 88, 92, 137, 157	2-6, 14
Front wiring harness and body wiring harness combination	B-50	4-28, 60, 65, 69, 72, 74, 75, 76, 78, 82, 90, 92, 104, 106, 107, 133, 137, 139, 144, 145, 146, 148, 156, 157, 160, 162, 169, 176, 181, 182, 192, 194	2-17, 21
	B-51	4-12, 18	2-17, 21
	B-52	4-87, 89, 141, 151, 169, 170, 173	2-17, 21
	B-53	4-14, 15, 16, 20, 21, 33, 41, 55, 57, 69, 72, 75, 78, 82, 86, 88, 90, 92, 94, 120, 132, 138, 160, 162, 182	2-17, 21
Front wiring harness and control wiring harness combination	A-22	4-13, 19, 28, 30, 33, 35, 38, 41, 43, 48, 53, 55, 57, 58, 61, 105, 132, 138, 174	2-4, 8, 12
Fuel pump and gauge unit assembly	D-10	4-30, 38, 48, 108, 111	2-26, 28
Fuel pump check connector	A-09	4-30, 38, 48	2-4, 8, 12
Fuel pump wiring harness and body wiring harness combination	D-13	4-30, 38, 48, 108, 111, 169	2-26, 28
Hazard warning switch	C-02	4-100	2-24, 25
Headlamp (LH)	A-71	4-69, 72	2-6, 10, 14
Headlamp (RH)	A-38	4-69, 72	2-5, 9, 13
Headlamp leveling switch	B-45	4-76	2-17, 21
Headlamp leveling unit (LH)	A-70	4-76	2-6, 10, 14
Headlamp leveling unit (RH)	A-39	4-76	2-5, 9, 13
Headlamp relay	A-64X	4-11, 13, 19, 69, 72, 90, 92	2-6, 10, 14
Headlamp washer motor	A-44	4-151	2-5, 13
Headlamp washer relay	A-65X	4-11, 151	2-6, 14
Heated seat (LH)	D-18	4-167	2-27
Heated seat (RH)	D-01	4-167	2-26
Heated seat switch (LH)	D-25	4-166	2-27
Heated seat switch (RH)	D-26	4-166	2-27

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Heater water temperature sensor <Full-auto A/C>	B-11	4-140	2-16, 20
High mounted stop lamp	F-05	4-104	2-32
Hold switch <A/T>	D-19	4-65	2-27, 29
Hood switch <Theft-alarm system>	A-84	4-194	2-7, 11, 15
Horn (LH)	A-25	4-106, 107	2-4, 8, 12
Horn (RH)	A-41	4-106, 107	2-5, 9, 13
Horn relay <SRS>	A-67X	4-11, 107	2-6, 10, 14
Horn switch <SRS>	B-63	4-107	2-18, 22
Idle speed control servo	A-57	4-34, 42, 52	2-6, 10, 14
Ignition coil A <DOHC>	A-06	4-27, 50	2-12
Ignition coil B <DOHC>	A-05	4-27, 50	2-12
Ignition failure sensor <DOHC>	A-59	4-26, 49	2-14
Ignition key ring antenna	B-57	4-196	2-18, 22
Ignition switch	B-58	4-14, 20	2-18, 22
Ignition timing adjustment connector	A-10	4-25, 27, 35, 44, 53	2-4, 8, 12
Immobilizer-ECU	B-02	4-36, 46, 56, 196	2-16, 20
Inhibitor switch <A/T>	A-33	4-23, 32, 40, 58, 105, 184	2-5, 9
Injector No.1	A-51	4-35, 43, 53	2-6, 10, 14
Injector No.2	A-52	4-35, 43, 53	2-6, 10, 14
Injector No.3	A-53	4-35, 43, 53	2-6, 10, 14
Injector No.4	A-54	4-35, 43, 53	2-6, 10, 14
Input shaft speed sensor <A/T>	A-28	4-68	2-4, 8
Instrument panel wiring harness and body wiring harness combination	B-46	4-101, 152, 154, 157, 158, 160, 162, 180, 199	2-17, 21

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
J/B and body wiring harness combination	B-85	4-4, 5, 15, 21, 73, 120, 127, 131, 136, 151, 152, 154, 164, 166, 169, 172, 180	2-19, 23
	B-86	4-4, 5, 14, 15, 20, 21, 28, 32, 40, 51, 58, 79, 83, 100, 101, 105, 106, 107, 108, 111, 116, 118, 127, 131, 136, 145, 146, 148, 152, 153, 154, 155, 156, 157, 158, 159, 161, 163, 164, 168, 172, 180, 182, 188, 191, 196	2-19, 23
	B-88	4-4, 5, 28, 32, 40, 51, 59, 65, 79, 83, 86, 88, 91, 93, 101, 102, 103, 108, 109, 111, 120, 126, 130, 144, 145, 146, 148, 156, 158, 160, 161, 162, 163, 166, 168, 169, 172, 176, 180, 182, 188, 196, 198	2-19, 23
	B-89	4-4, 5, 36, 46, 56, 68, 69, 72, 76, 90, 92, 96, 102, 103, 106, 107, 114, 116, 127, 131, 136, 141, 144, 160, 161, 162, 163, 165, 170, 172, 178, 180, 187, 189, 190, 197	2-19, 23
J/B and front wiring harness combination	B-83	4-4, 5, 36, 46, 56, 58, 65, 68, 69, 72, 73, 76, 79, 83, 86, 88, 90, 91, 92, 93, 96, 100, 102, 105, 109, 116, 126, 130, 141, 151, 152, 154, 157, 158, 159, 160, 161, 162, 163, 166, 170, 172, 176, 178, 180, 187, 189, 190, 197, 198	2-19, 23
	B-84	4-4, 5, 16, 22, 114, 118, 127, 131, 136, 152, 154, 164, 191	2-19, 23
J/B and instrument panel wiring harness combination	B-79	4-4, 5, 100, 101, 103, 152, 154, 157, 158, 159, 180	2-18, 22
J/B and roof wiring harness combination	B-78	4-4, 5, 96, 164, 165	2-18, 22
J/B and roof wiring harness combination <Sunroof>	B-77	4-4, 5, 164	2-18, 22
J/C (1)	B-75X	4-6, 11, 65, 66, 69, 72, 76, 79, 83, 87, 89, 90, 91, 92, 93, 101, 109, 126, 127, 130, 131, 136, 141, 152, 154, 156, 158, 160, 162, 166, 176, 198	2-18, 22
J/C (2)	B-76X	4-6, 11, 69, 75, 76, 90, 94, 108, 111, 114, 115, 116, 117, 144, 146, 148, 151, 153, 155, 156, 173, 183, 187, 191, 197, 198	2-18, 22
Keyless entry receiver ECU	F-11	4-116, 117, 118, 191, 192, 193, 194	2-32
	F-12	4-192, 194	2-32

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Kickdown switch <A/T>	B-37	4-67	2-17, 21
Licence plate lamp (LH)	F-06	4-80, 84	2-32
	F-07	4-80, 84	2-32
Licence plate lamp (RH)	F-16	4-80, 84	2-32
	F-17	4-80, 84	2-32
Luggage compartment lamp	F-22	4-97	2-32
	F-23	4-97	2-32
Map lamp <Vehicles without sunroof>	D-27	4-96	2-27, 29
Mode selection damper control motor <Full-auto A/C>	B-04	4-140	2-16, 20
Motor antenna assembly	F-14	4-161, 163	2-32
No connection	B-90	4-4, 5	2-19, 23
Oil pressure switch <DOHC>	A-58	4-111	2-14
Oil pressure switch <SOHC> or no connection <DOHC>	A-82	4-111	2-7, 11, 15
Outside/inside air selection damper motor <Full-auto A/C>	B-14	4-140	2-16, 20
Outside thermo sensor <Full-auto A/C> or no connection <Manual A/C>	A-35	4-141	2-5, 9, 13
Output shaft speed sensor <A/T>	A-29	4-68	2-4, 8
Oxygen sensor	B-33	4-34, 43, 52	2-17, 21
Parking brake switch	D-20	4-111	2-27, 29
Photo sensor <Full-auto A/C>	B-10	4-140	2-16, 20
Position lamp (LH)	A-72	4-78, 82	2-6, 10, 14
Position lamp (RH)	A-37	4-78, 82	2-5, 9, 13
Power steering oil pressure switch	A-36	4-35, 43, 53	2-5, 9, 13
Power transistor <Full-auto A/C>	B-27	4-136	2-16, 20
Power window main switch	E-02	4-120, 122	2-30, 31
Power window sub switch (Passenger's side)	E-10	4-124	2-30, 31
Power window sub switch (Rear:LH)	E-06	4-122	2-30, 31
Power window sub switch (Rear:RH)	E-14	4-123	2-30, 31
Purge control solenoid valve	A-14	4-35, 43, 53	2-4, 8, 12
Radiator fan motor	A-32	4-57, 132, 138	2-5, 9, 13

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Radiator fan relay	A-63X	4-11, 57, 132, 138	2-6, 10, 14
Radio and tape player	B-09	4-160, 162	2-16, 20
Rear combination lamp (LH)	F-04	4-80, 84, 103, 104, 105	2-32
Rear combination lamp (RH)	F-13	4-80, 84, 103, 104, 105	2-32
Rear door lock actuator (LH)	E-07	4-115, 117	2-30, 31
Rear door lock actuator (RH)	E-15	4-115, 117	2-30, 31
Rear door switch (LH)	F-26	4-97, 193	2-32
Rear door switch (RH)	F-09	4-97, 193	2-32
Rear door wiring harness (LH) and body wiring harness combination	D-14	4-115, 117, 122, 125	2-27, 29
Rear door wiring harness (RH) and body wiring harness combination	D-04	4-115, 117, 123, 125	2-26, 28
Rear fog lamp (LH)	F-28	4-91, 93	2-32
Rear fog lamp (RH)	F-15	4-91	2-32
Rear fog lamp relay	B-70X	4-11, 90, 92	2-18, 22
Rear fog lamp switch	B-47	4-91, 93	2-17, 21
Rear intermittent wiper relay	B-69X	4-11, 146, 148	2-18, 22
Rear power window regulator assembly (LH)	E-08	4-125	2-30, 31
Rear power window regulator assembly (RH)	E-16	4-125	2-30, 31
Rear speaker (LH)	F-24	4-160, 162	2-32
Rear speaker (RH)	F-10	4-160, 162	2-32
Rear speed sensor (LH) <ABS>	D-12	4-169	2-26, 28
Rear speed sensor (RH) <ABS>	D-17	4-169	2-27, 29
Rear washer motor	A-45	4-146, 148	2-5, 9, 13
Rear wiper motor	F-21	4-147, 149	2-32
Rear wiring harness and body wiring harness combination	D-09	4-116, 117, 118, 161, 163, 190, 191, 192, 194	2-26, 28
	D-11	4-80, 84, 91, 93, 97, 103, 104, 105, 114, 115, 116, 117, 146, 148, 153, 155, 160, 161, 162, 163, 190, 193	2-26, 28
Remote controlled mirror (LH)	E-01	4-153, 155, 156	2-30, 31
Remote controlled mirror (RH)	E-09	4-153, 155, 156	2-30, 31
Remote controlled mirror switch	B-44	4-156	2-17, 21



Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Resistor <Heater or manual A/C>	B-26	4-127, 131	2-16, 20
Rheostat or jumper connector	B-54	4-198	2-17, 21
Room lamp <Vehicles without sunroof>	D-28	4-96	2-27, 29
Room lamp and sunroof switch	D-07	4-96, 164	2-26, 28
SRS-ECU	D-23	4-189	2-27, 29
Seat belt pretensioner (Driver's side) <SRS>	D-15	4-189	2-27, 29
Seat belt pretensioner (Passenger's side) <SRS>	D-03	4-189	2-26, 28
Shift indicator illumination lamp <A/T>	D-24	4-65	2-27, 29
Side turn signal lamp (RH)	A-50	4-102	2-5, 9, 13
Side turn signal lamp (LH)	A-19	4-102	2-4, 8, 12
Slip ring <Auto-cruise control system (without SRS)>	B-56	4-106, 183	2-18, 22
Starter	A-78	4-23, 184	2-7, 11, 15
	A-79	4-23, 184	2-7, 11, 15
Steering wheel sensor <TCL>	B-61	4-173	2-18, 22
Stop lamp switch <Vehicles with auto-cruise control system>	B-43	4-60, 104, 169, 176, 181	2-17, 21
Stop lamp switch <Vehicles without auto-cruise control system> or no connection <Vehicles with auto-cruise control system>	B-42	4-60, 104, 169, 176, 181	2-17, 21
Sunroof ECU	D-05	4-164	2-26, 28
Sunroof motor	D-06	4-165	2-26, 28
TCL-ECU	D-21	4-45, 63, 170, 172, 173, 174, 175, 177, 186	2-27, 29
	D-22	4-45, 63, 170, 173, 175, 177, 178	2-27, 29
TCL switch	D-08	4-176	2-26, 28
Tail lamp relay <DRL>	A-61X	4-11, 22, 73, 82, 88, 92	2-6, 14
Tailgate lock actuator	F-19	4-115, 117	2-32
Tailgate lock key cylinder switch	F-18	4-114, 116	2-32
Tailgate switch	F-20	4-97, 193	2-32
Tailgate wiring harness and rear wiring harness combination	F-01	4-80, 84, 91, 93, 97, 104, 147, 149, 153, 155, 193	2-32
	F-02	4-114, 115, 116, 117	2-32

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Theft-alarm horn	A-87	4-192	2-7, 11, 15
Theft-alarm horn relay	A-60X	4-11, 192	2-6, 10, 14
Throttle position sensor	A-56	4-34, 42, 52, 62, 64, 174, 185, 186	2-6, 10, 14
Turn-signal and hazard warning flasher unit	B-82	4-4, 5, 101	2-18, 22
Vacuum solenoid valve <TCL>	A-07	4-44	2-4, 8
Ventilation solenoid valve <TCL>	A-08	4-44	2-4, 8
Washer fluid level sensor	A-43	4-145	2-5, 9, 13
Windshield washer motor	A-46	4-145	2-5, 9, 13
Windshield wiper motor	A-04	4-145	2-4, 8, 12
-	A-66X	4-11	-
	A-89X	4-11	-
	B-68X	4-11	-
	B-71X	4-11	-
	B-73X	4-11	-
	B-74X	4-11	-

**CARISMA'97**

# CARISMA

## ELECTRICAL WIRING SUPPLEMENT

### FOREWORD

This publication is a supplement to the Electrical Wiring Manual Pub. No. PHDE9501 and contains only additions and changes to the original issue. It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

#### TECHNICAL INFORMATION MANUAL

PYGE95E1  
PYGE95E1-A  
(Supplement)

#### WORKSHOP MANUAL

##### CHASSIS GROUP

PWDE9502  
PWDE9502-A  
(Supplement)

##### ELECTRICAL WIRING

PHDE9501

##### BODY REPAIR MANUAL

PBGE95E1  
PBGE95E1-A  
(Supplement)

##### ENGINE GROUP

PWEE□□□□  
(Looseleaf edition)

#### PARTS CATALOGUE

N606C006D□

All information, illustrations and product descriptions contained in this manual are current as at the time of publication. We however, reserve the right to make changes at any time without prior notice or obligation.



**mitsubishi MOTOR SALES**

Europe B.V.

## GROUP INDEX

00109000560

OUTLINE OF CHANGES .....

HOW TO READ THE WIRING  
DIAGRAMS .....

WIRING HARNESS  
CONFIGURATION DIAGRAMS .....

SINGLE PART INSTALLATION  
POSITION .....

CIRCUIT DIAGRAM .....

1

2

3

4

# HOW TO USE THIS MANUAL

00100010104

## CONTENTS

The preceding page contains GROUP INDEX that lists the group title and group number.

## PAGE NUMBERS

All page numbers consist of two sets of digits separated by a dash. The digits preceding the dash identify the number of the group. The digits following the dash represent the consecutive page number within the group. The page number can be found on the top left or right of each page.

## OPERATION AND TROUBLESHOOTING HINTS

In the GROUP 4 circuit diagrams, the operation and troubleshooting hints are given on the previous page or following page for each circuit where necessary.

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# OUTLINE OF CHANGES

## CONTENTS

00109000577

WIRING HARNESS CONFIGURATION DIAGRAMS .....	2	CIRCUIT DIAGRAM .....	5
SINGLE PART INSTALLATION POSITION ...	4	TABLE OF CIRCUIT DIAGRAMS .....	9



## WIRING HARNESS CONFIGURATION DIAGRAMS

00100820011

Wiring harness configuration diagram			Description of changes	
Connector symbol	Name	Reference page		
-	OVERALL WIRING DIAGRAM	Hatchback <L.H. drive vehicles>	2-2	Contents have been added for vehicles with diesel engines. The body wiring harness has been changed.
		Hatchback <R.H. drive vehicles>		
		Sedan <L.H. drive vehicles>	2-3	
		Sedan <R.H. drive vehicles>		
A	ENGINE COMPARTMENT	MPI-SOHC <L.H. drive vehicles>	2-4	<p>The following connectors have been added.</p> <ul style="list-style-type: none"> <li>● Crank angle sensor (A-02)</li> <li>● Crankshaft position sensor (A-03)</li> <li>● Ignition coil B (A-05)</li> <li>● Ignition coil A (A-06)</li> <li>● Engine speed detection connector (A-11)</li> </ul> <p>The following connectors have been abolished.</p> <ul style="list-style-type: none"> <li>● Ignition timing adjustment connector (A-10)</li> <li>● Distributor assembly (A-73, 74)</li> </ul> <p>The installation positions for the following connectors have been changed.</p> <ul style="list-style-type: none"> <li>● Theft-alarm horn (A-87)</li> </ul>
		MPI-SOHC <R.H. drive vehicles>	2-8	
		MPI-DOHC	2-12	
		Diesel <L.H. drive vehicles>	2-16	
		Diesel <R.H. drive vehicles>	2-20	

Wiring harness configuration diagram				Description of changes
Connector symbol	Name		Reference page	
B	DASH PANEL	L.H. drive vehicles	2-24	<p>The following connectors have been added.</p> <ul style="list-style-type: none"> <li>● Diode &lt;Theft-alarm system&gt; (B-92)</li> <li>● Diode &lt;Diesel&gt; (B-93)</li> <li>● Ignition relay &lt;Diesel&gt; (B-94)</li> <li>● Engine-ECU &lt;Diesel&gt; (B-95)</li> <li>● Engine control relay &lt;Petrol&gt; (B-96)</li> <li>● Fuel pump relay &lt;Petrol&gt; (B-97)</li> <li>● Keyless entry receiver ECU (B-98, 99)</li> </ul> <p>The following connectors have been abolished.</p> <ul style="list-style-type: none"> <li>● Engine control relay (B-30)</li> <li>● Diode (B-91)</li> </ul> <p>The number of pins in the control wiring harness and body wiring harness combination connector (B-15) &lt;diesel&gt; has been increased to correspond to the addition of vehicles with diesel engines.</p>
		R.H. drive vehicles	2-28	
D	FLOOR AND ROOF	L.H. drive vehicles	2-32	<p>The number of pins in the rear wiring harness and body wiring harness combination connector (D-09) has been increased.</p>
		R.H. drive vehicles	2-34	
F	LUGGAGE COMPARTMENT	Hatchback	2-36	<p>The following connectors have been abolished.</p> <ul style="list-style-type: none"> <li>● Keyless entry receiver ECU (F-11, 12)</li> <li>● Diode (F-27)</li> </ul>
		Sedan	2-37	<p>A wiring harness configuration diagrams for the luggage compartment in sedans has been added to correspond to the addition of sedans.</p>



## SINGLE PART INSTALLATION POSITION

00100830014

Location of changes	Reference page	Description of changes
RELAY	3-2	<p>The installation position for the following relays have been changed to correspond to the addition of vehicles with diesel engines.</p> <ul style="list-style-type: none"> <li>● Fuel line heater relay</li> <li>● Glow relay</li> <li>● Ignition relay</li> <li>● Radiator fan relay (HI)</li> </ul> <p>The installation position for the following relays have been changed to correspond to changes in the control system in vehicles with petrol engines.</p> <ul style="list-style-type: none"> <li>● Engine control relay</li> <li>● Fuel pump relay</li> </ul>
ECU	3-3	<p>The installation position for the engine-ECU has been changed to correspond to the addition of vehicles with diesel engines.</p> <p>An installation position has been added to correspond to a change in the installation position for the keyless entry receiver ECU.</p>
SENSOR	3-4	<p>The installation position for the following sensors have been changed to correspond to the addition of vehicles with diesel engines.</p> <ul style="list-style-type: none"> <li>● Air temperature sensor</li> <li>● Engine coolant temperature sensor</li> <li>● Lever position sensor</li> <li>● Needle lift sensor</li> <li>● Top dead center and engine speed sensor</li> </ul> <p>The installation position for the crank angle sensor has been changed to correspond to changes in the control system in vehicles with MPI-SOHC engines.</p> <p>The installation positions have been changed to correspond to changes in the control system in vehicles with MPI-SOHC engines and to a change in the installation position of the camshaft position sensor for vehicles with MPI-DOHC engine.</p>
SOLENOID VALVE	3-6	<p>The installation position for the following solenoid valves have been changed to correspond to the addition of vehicles with diesel engines.</p> <ul style="list-style-type: none"> <li>● EGR solenoid valve</li> <li>● Fast idle on/off solenoid valve</li> <li>● Timing control solenoid valve</li> </ul>
DIODE	3-7	<p>Installation positions for diodes have been added to correspond to the addition of vehicles with diesel engine.</p> <p>Installation positions have been added to correspond to changes in the installation positions for the theft-alarm system circuit diodes.</p>
INSPECTION CONNECTOR	3-8	<p>An installation position for the engine speed detection connector has been added to correspond to changes in the control system in vehicles with MPI-SOHC engines.</p>
FUSIBLE LINK	3-9	<p>Installation positions for fusible links have been added to correspond to the addition of vehicles with diesel engines.</p>
EARTH	3-10	<p>Earth installation positions for sedans have been added to correspond to the addition of sedans.</p>

**CIRCUIT DIAGRAM**

00100840017

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
CENTRALIZED JUNCTION	-	4-3	<ul style="list-style-type: none"> <li>Contents for vehicles with diesel engines have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
POWER DISTRIBUTION SYSTEM	Vehicles without daytime running lamp	4-8	<ul style="list-style-type: none"> <li>Contents for vehicles with diesel engines have been added to correspond to the addition of vehicles with diesel engines.</li> <li>A junction point has been added to correspond to changes in the front fog lamp circuit.</li> </ul>
	Vehicles with daytime running lamp	4-14	
STARTING SYSTEM	Diesel-powered vehicles	4-20	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
IGNITION SYSTEM	MPI-SOHC	4-21	<ul style="list-style-type: none"> <li>The circuits have been changed to correspond to changes in the ignition system for MPI-SOHC engines.</li> </ul>
	MPI-DOHC	4-22	<ul style="list-style-type: none"> <li>The circuits have been changed to correspond to the abolition of the ignition failure sensor (A-59) and the ignition timing adjustment connector (A-10).</li> </ul>
CHARGING SYSTEM	Diesel-powered vehicles	4-23	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
GLOW SYSTEM	-	4-24	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
MPI SYSTEM	MPI-SOHC <Vehicles without TCL>	4-28	<ul style="list-style-type: none"> <li>The engine control relay (B-30) has been divided into a fuel pump relay (B-97) and an engine control relay (B-96).</li> <li>The circuits have been changed to correspond to changes in the ignition system.</li> <li>The idle-up diode (B-91) has been abolished.</li> <li>The distributor assembly (A-73 and A-74) has been abolished and a crank angle sensor (A-02) and camshaft position sensor (A-03) have been newly added.</li> </ul>
	MPI-SOHC <Vehicles with TCL>	4-36	
	MPI-DOHC	4-46	
COOLING SYSTEM	Diesel-powered vehicles	4-54	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
ELC 4-SPEED AUTOMATIC TRANSMISSION	-	4-56	<ul style="list-style-type: none"> <li>The indications of destinations have been changed to correspond to the abolition of the distributor assembly.</li> </ul>
HEADLAMP	Vehicles without daytime running lamp	4-67	<ul style="list-style-type: none"> <li>The idle-up diode (B-91) has been abolished.</li> </ul>
	Vehicles with daytime running lamp	4-68	
TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER	Vehicles without daytime running lamp	4-72	<ul style="list-style-type: none"> <li>A junction point has been added to correspond to changes in the front fog lamp circuit.</li> <li>Circuits for sedans have been added to correspond to the addition of sedans.</li> </ul>
	Vehicles with daytime running lamp	4-76	
FRONT FOG LAMP	Vehicles without daytime running lamp	4-80	<ul style="list-style-type: none"> <li>The circuit has been changed to correspond to changes in the illumination conditions for the front fog lamp.</li> </ul>
	Vehicles with daytime running lamp	4-82	
REAR FOG LAMP	Vehicles without daytime running lamp	4-85	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
	Vehicles with daytime running lamp	4-88	
ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP	Sedan	4-92	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	Sedan	4-94	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
STOP LAMP	Sedan	4-98	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
BACK-UP LAMP	-	4-100	<ul style="list-style-type: none"> <li>Circuits for sedans have been added to correspond to the addition of sedans.</li> </ul>
METER AND GAUGE	Petrol-powered vehicles	4-102	<ul style="list-style-type: none"> <li>The circuits have been changed to correspond to changes in the ignition system.</li> </ul>
	Diesel-powered vehicles	4-104	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
OIL PRESSURE WARNING LAMP	Diesel-powered vehicles	4-106	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
OVER HEATING WARNING LAMP	Diesel-powered vehicles	4-106	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
FUEL WARNING LAMP	Diesel-powered vehicles	4-107	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
BRAKE WARNING LAMP	Diesel-powered vehicles	4-107	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
CENTRAL DOOR LOCKING SYSTEM	Vehicles without theft-alarm system <Sedan>	4-108	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
	Vehicles with theft-alarm system <Hatchback>	4-110	<ul style="list-style-type: none"> <li>The rear wiring harness and body wiring harness combination connector (D-09) has been abolished as a result of a change in the installation position for the keyless entry receiver ECU (B-99).</li> </ul>
	Vehicles with theft-alarm system <Sedan>	4-113	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
MANUAL AIR CONDITIONER	Diesel-powered vehicles	4-116	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
FULL-AUTO AIR CONDITIONER AND AIR PURIFIER	Diesel-powered vehicles	4-122	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
HEADLAMP WASHER	-	4-129	<ul style="list-style-type: none"> <li>Dedicated circuits for vehicles with diesel engines have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles <Sedan>	4-130	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
	R.H. drive vehicles <Sedan>	4-132	
RADIO AND TAPE PLAYER (VEHICLES HARNESS WITHOUT RADIO AND TAPE PLAYER)	-	4-134	<ul style="list-style-type: none"> <li>The circuits have been changed to correspond to changes in the number of pins in the rear wiring harness and body wiring harness combination connector (D-09).</li> </ul>
RADIO AND TAPE PLAYER	-	4-136	<ul style="list-style-type: none"> <li>The circuits have been changed to correspond to changes in the number of pins in the rear wiring harness and body wiring harness combination connector (D-09).</li> </ul>
TRACTION CONTROL SYSTEM (TCL)	-	4-138	<ul style="list-style-type: none"> <li>The circuits have been changed to correspond to changes in the engine control relay (B-96).</li> </ul>

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
THEFT-ALARM SYSTEM	Hatchback	4-144	<ul style="list-style-type: none"> <li>The rear wiring harness and body wiring harness combination connector (D-09) has been abolished as a result of a change in the installation position for the keyless entry receiver ECU (B-99).</li> </ul>
	Sedan	4-148	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of sedans.</li> </ul>
IMMOBILIZER SYSTEM	Diesel-powered vehicles	4-152	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>
FUEL LINE HEATER	-	4-154	<ul style="list-style-type: none"> <li>Dedicated circuits have been added to correspond to the addition of vehicles with diesel engines.</li> </ul>

**TABLE OF CIRCUIT DIAGRAMS**

00100850010

This table of circuit diagrams indicates those circuits in which changes and/or additions, etc. have been made; the circuits are here listed in the sequence in which they are presented in the wiring diagrams. Please use this table for reference when following maintenance or repair procedures.

**NOTE**

- (1)A (Added) :This circuit has been newly added in this manual.
- (2)R (Revised) :This circuit has been changed, and is included in this manual.
- (3)D (Deleted) :This circuit has been deleted in this manual.
- (4)I (Included) :This circuit is included in this manual.
- (5)N (Not included) :This circuit is not included in this manual.
- (6)P (Previous manual) :This circuit is not included in this manual, because it has not been changed. Refer to this previous manuals.

Main circuit	Circuit classification	Pub. No. PHDE9501 '96 model (Basic)	Pub. No. PHDE9501-A (Supplement)
JUNCTION BLOCK (J/B)	-	I	P
JOINT CONNECTOR (J/C)	-	I	P
CENTRALIZED JUNCTION	-	I	R
POWER DISTRIBUTION SYSTEM	Vehicles without daytime running lamp	I	R
	Vehicles with daytime running lamp	I	R
STARTING SYSTEM	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
IGNITION SYSTEM	MPI-SOHC	I	R
	MPI-DOHC	I	R
CHARGING SYSTEM	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
GLOW SYSTEM	-	N	A
MPI SYSTEM	MPI-SOHC <Vehicles without TCL>	I	R
	MPI-SOHC <Vehicles with TCL>	I	R
	MPI-DOHC	I	R
COOLING SYSTEM	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
ELC 4-SPEED AUTOMATIC TRANSMISSION	-	I	R
HEADLAMP	Vehicles without daytime running lamp	I	R
	Vehicles with daytime running lamp	I	R
HEADLAMP LEVELING SYSTEM	-	I	P
TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER	Vehicles without daytime running lamp	I	R
	Vehicles with daytime running lamp	I	R

Main circuit	Circuit classification	Pub. No. PHDE9501 '96 model (Basic)	Pub. No. PHDE9501-A (Supplement)
FRONT FOG LAMP	Vehicles without daytime running lamp	I	R
	Vehicles with daytime running lamp	I	R
REAR FOG LAMP	Vehicles without daytime running lamp <Hatchback>	I	P
	Vehicles without daytime running lamp <Sedan>	N	A
	Vehicles with daytime running lamp <Hatchback>	I	P
	Vehicles with daytime running lamp <Sedan>	N	A
ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP	Hatchback	I	P
	Sedan	N	A
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	Hatchback	I	P
	Sedan	N	A
STOP LAMP	Hatchback	I	P
	Sedan	N	A
BACK-UP LAMP	-	I	R
HORN	Vehicles without SRS	I	P
	Vehicles with SRS	I	P
METER AND GAUGE	Petrol-powered vehicles	I	R
	Diesel-powered vehicles	N	A
OIL PRESSURE WARNING LAMP	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
OVER HEATING WARNING LAMP	Diesel-powered vehicles	N	A
FUEL WARNING LAMP	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
BRAKE WARNING LAMP	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A

Main circuit	Circuit classification	Pub. No. PHDE9501 '96 model (Basic)	Pub. No. PHDE9501-A (Supplement)
CENTRAL DOOR LOCKING SYSTEM	Vehicles without theft-alarm system <Hatchback>	I	P
	Vehicles without theft-alarm system <Sedan>	N	A
	Vehicles with theft-alarm system <Hatchback>	I	R
	Vehicles with theft-alarm system <Sedan>	N	A
POWER WINDOWS	-	I	P
HEATER	-	I	P
MANUAL AIR CONDITIONER	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
FULL-AUTO AIR CONDITIONER AND AIR PURIFIER	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
WINDSHIELD WIPER AND WASHER	-	I	P
REAR WIPER AND WASHER	Vehicles without intermittent wiper	I	P
	Vehicles with intermittent wiper	I	P
HEADLAMP WASHER	-	I	R
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles <Hatchback>	I	P
	L.H. drive vehicles <Sedan>	N	A
	R.H. drive vehicles <Hatchback>	I	P
	R.H. drive vehicles <Sedan>	N	A
REMOTE CONTROLLED MIRROR	-	I	P
CLOCK	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
CIGARETTE LIGHTER	-	I	P
RADIO AND TAPE PLAYER (VEHICLE HARNESS WITHOUT RADIO AND TAPE PLAYER COMPONENT)	-	I	R
RADIO AND TAPE PLAYER	-	I	R
SUNROOF	-	I	P
HEATED SEAT	-	I	P
ANTI-LOCK BRAKING SYSTEM (ABS)	-	I	P



Main circuit	Circuit classification	Pub. No. PHDE9501 '96 model (Basic)	Pub. No. PHDE9501-A (Supplement)
TRACTION CONTROL SYSTEM (TCL)	-	I	R
AUTO-CRUISE CONTROL SYSTEM	-	I	P
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	-	I	P
THEFT-ALARM SYSTEM	Hatchback	I	R
	Sedan	N	A
IMMOBILIZER SYSTEM	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	N	A
RHEOSTAT	-	I	P
FUEL LINE HEATER	-	N	A

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# HOW TO READ THE WIRING DIAGRAMS

## CONTENTS

00109000584

MODELS ..... 1-2      ABBREVIATION SYMBOLS ..... 1-4



## MODELS

00100030162

## &lt;HATCHBACK&gt;

Model code		Engine model	Transmission model	Fuel supply system
DA1A	LNDEL6/R6	4G92-SOHC (1, 597mℓ)	F5MR1 (2WD-5M/T)	MPI
	LNDEL6/R6			
	LRDEL6/R6		F4A41 (2WD-4A/T)	
	LNJEL6/R6		F5MR1 (2WD-5M/T)	
	LRJEL6/R6		F4A41 (2WD-4A/T)	
DA2A	LNJEL6/R6	4G93-SOHC (1, 834mℓ)	F5MR2 (2WD-5M/T)	MPI
	LRJEL6/R6		F4A42 (2WD-4A/T)	
	LNPEL6/R6		F5MR2 (2WD-5M/T)	
	LRPEL6/R6		F4A42 (2WD-4A/T)	
	LNGML6	4G93-DOHC (1, 834mℓ)	F5MR2 (2WD-5M/T)	
DA4A	LNDFL6/R6	F8QT (1, 870mℓ)	F5MR3 (2WD-5M/T)	Fuel injection pump
	LNJFL6/R6			
	LNPFL6/R6			

<SEDAN>

Model code		Engine model	Transmission model	Fuel supply system
DA1A	SNMEL6/R6	4G92-SOHC (1, 597mℓ)	F5MR1 (2WD-5M/T)	MPI
	SNMVL6B			
	SNDEL6/R6			
	SNDVL6B			
	SRDEL6/R6		F4A41 (2WD-4A/T)	
	SRDVL6B			
	SNJEL6/R6		F5MR1 (2WD-5M/T)	
	SNJVL6B			
	SRJEL6/R6		F4A41 (2WD-4A/T)	
	SRJVL6B			
DA2A	SNJEL6/R6	4G93-SOHC (1, 834mℓ)	F5MR2 (2WD-5M/T)	MPI
	SRJEL6/R6		F4A42 (2WD-4A/T)	
	SNPEL6/R6		F5MR2 (2WD-5M/T)	
	SRPEL6/R6		F4A42 (2WD-4A/T)	
	SNGML6	4G93-DOHC (1, 834mℓ)	F5MR2 (2WD-5M/T)	
DA4A	SNDFL6/R6	F8QT (1, 870mℓ)	F5MR3 (2WD-5M/T)	Fuel injection pump
	SNJFL6/R6			
	SNPFL6/R6			

## 1-4 HOW TO READ THE WIRING DIAGRAMS – Abbreviation Symbol

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### ABBREVIATION SYMBOLS

00100810025

#### 1. Abbreviation symbol used for wiring harness

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
DIESEL	Diesel-powered vehicles	PETROL	Petrol-powered vehicles

#### 2. Abbreviation symbols used combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
GLOW	Diesel preheat indicator lamp	OVER HEAT	Over heating warning lamp

---

# WIRING HARNESS CONFIGURATION DIAGRAMS

## CONTENTS

80109000159

### OVERALL WIRING DIAGRAM

Hatchback <L.H. drive vehicles> .....	2-2
Hatchback <R.H. drive vehicles> .....	2-2
Sedan <L.H. drive vehicles> .....	2-3
Sedan <R.H. drive vehicles> .....	2-3

### ENGINE COMPARTMENT

MPI-SOHC <L.H. drive vehicles> .....	2-4
MPI-SOHC <R.H. drive vehicles> .....	2-8
MPI-DOHC .....	2-12
Diesel <L.H. drive vehicles> .....	2-16
Diesel <R.H. drive vehicles> .....	2-20

### DASH PANEL

L.H. drive vehicles .....	2-24
R.H. drive vehicles .....	2-28

### FLOOR AND ROOF

L.H. drive vehicles .....	2-32
R.H. drive vehicles .....	2-34

### LUGGAGE COMPARTMENT

Hatchback .....	2-36
Sedan .....	2-37

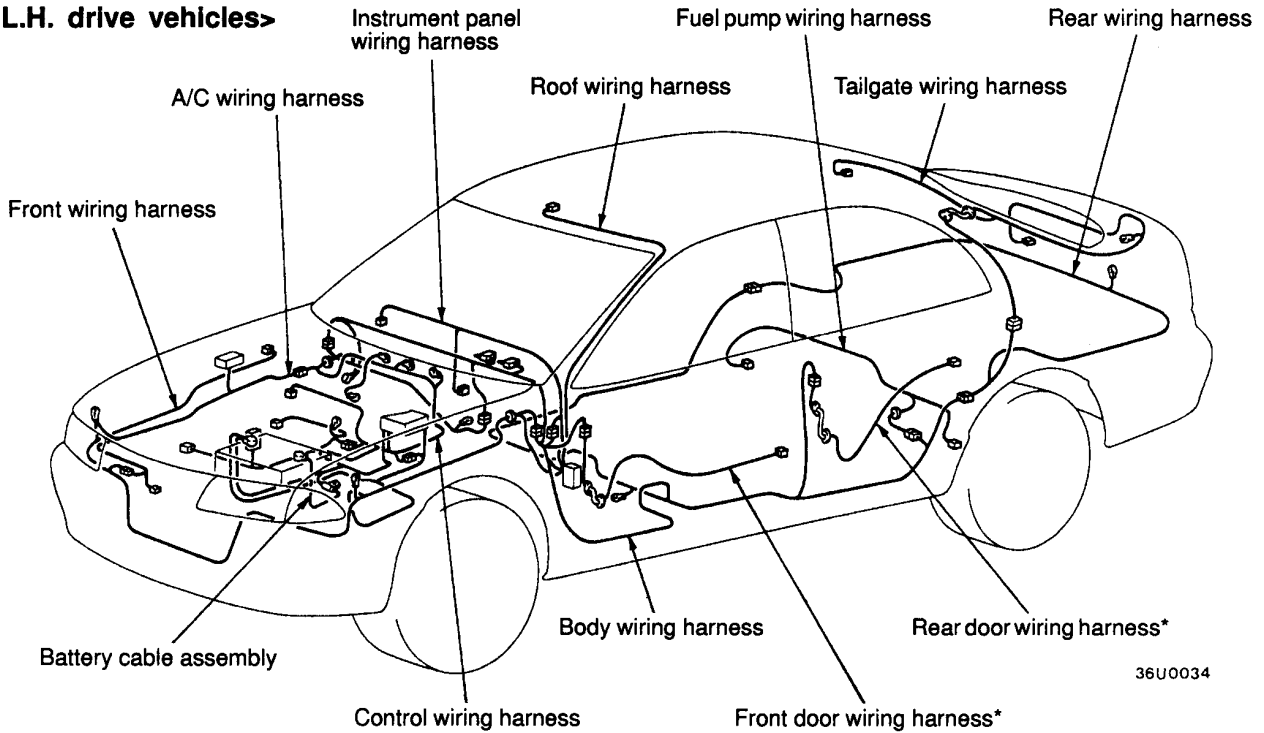
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OVERALL WIRING DIAGRAM

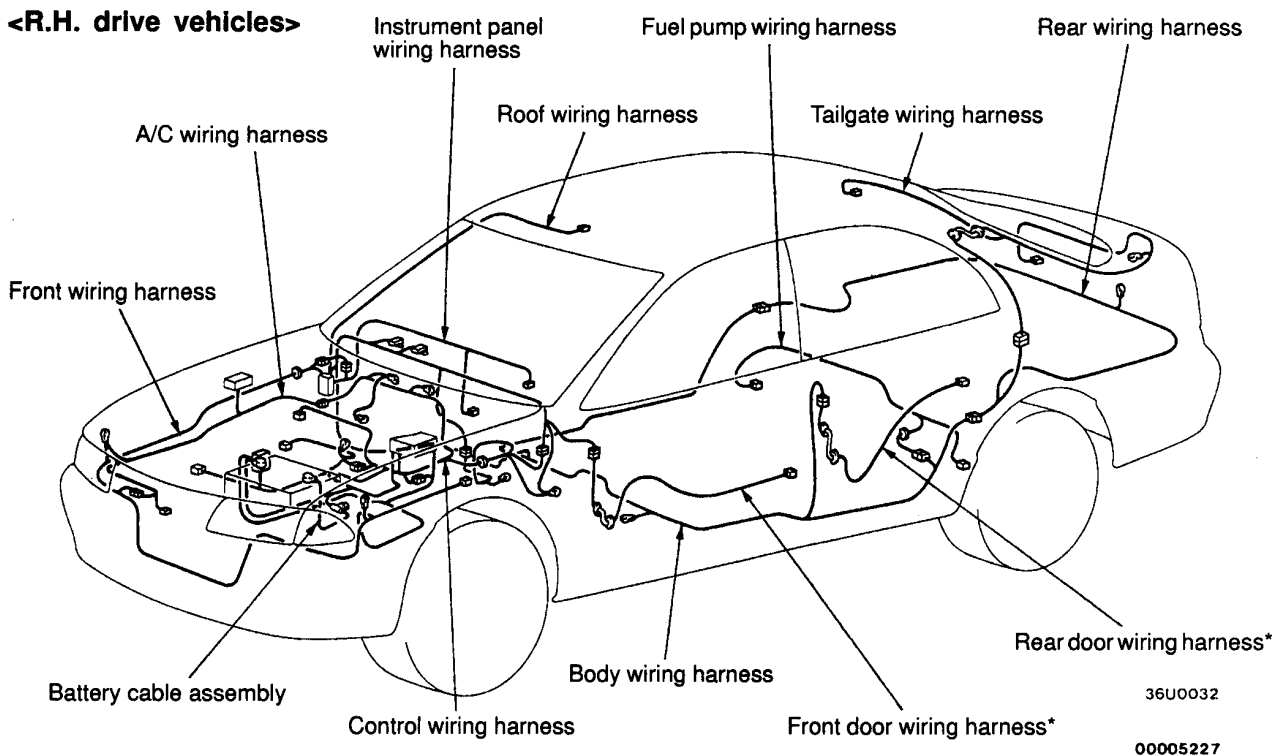
80100010168

Hatchback

<L.H. drive vehicles>



<R.H. drive vehicles>



Remarks

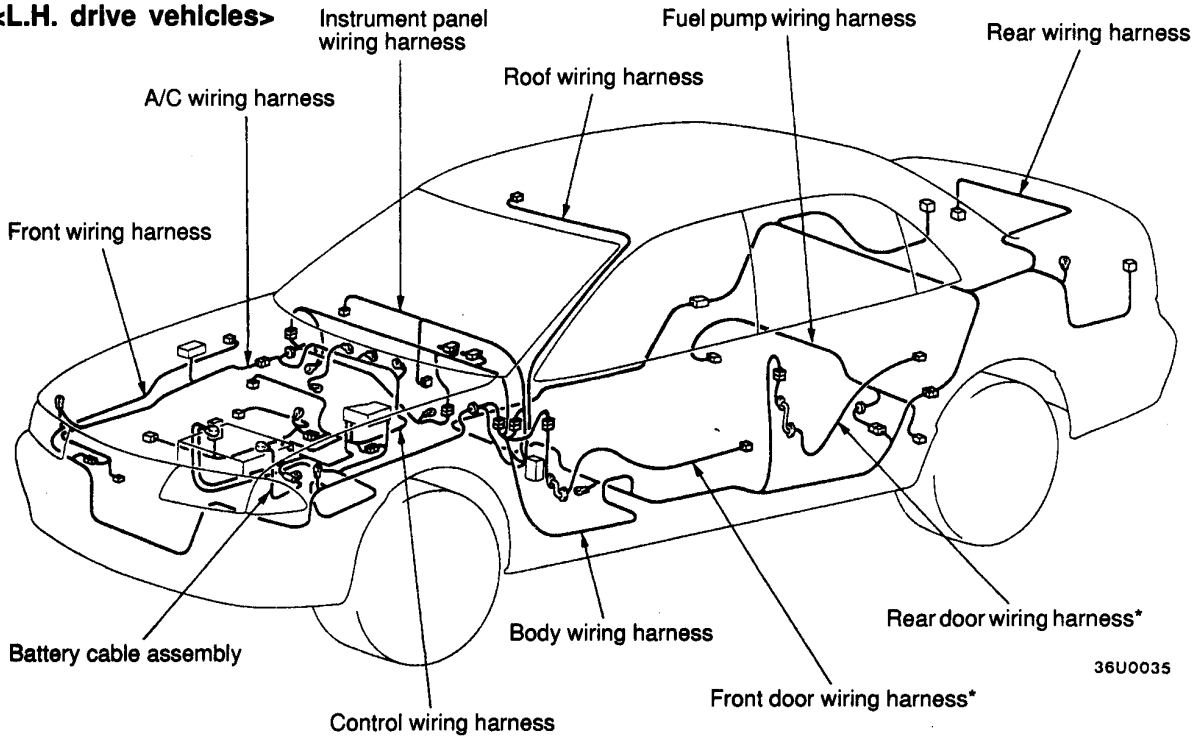
- (1) This illustration shows only major wiring harnesses.
- (2) \*: also equipped at the right side.

OVERALL WIRING DIAGRAM

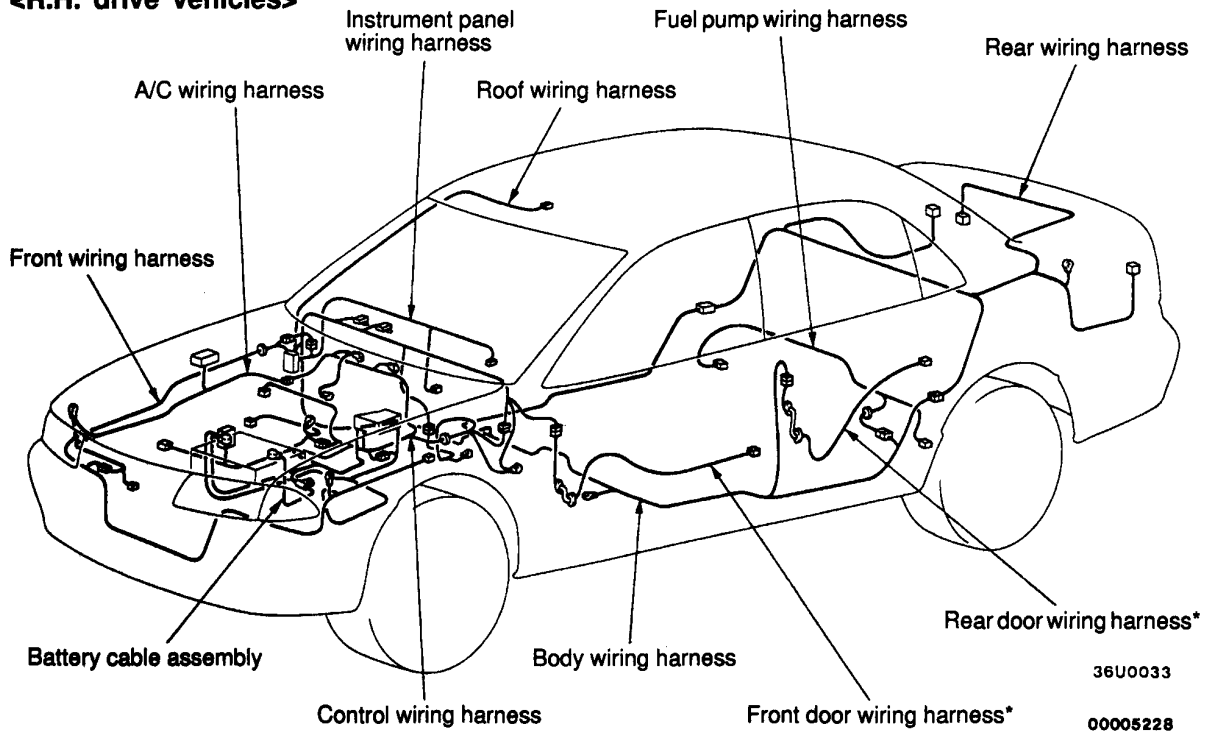
80100010175

Sedan

<L.H. drive vehicles>



<R.H. drive vehicles>



Remarks

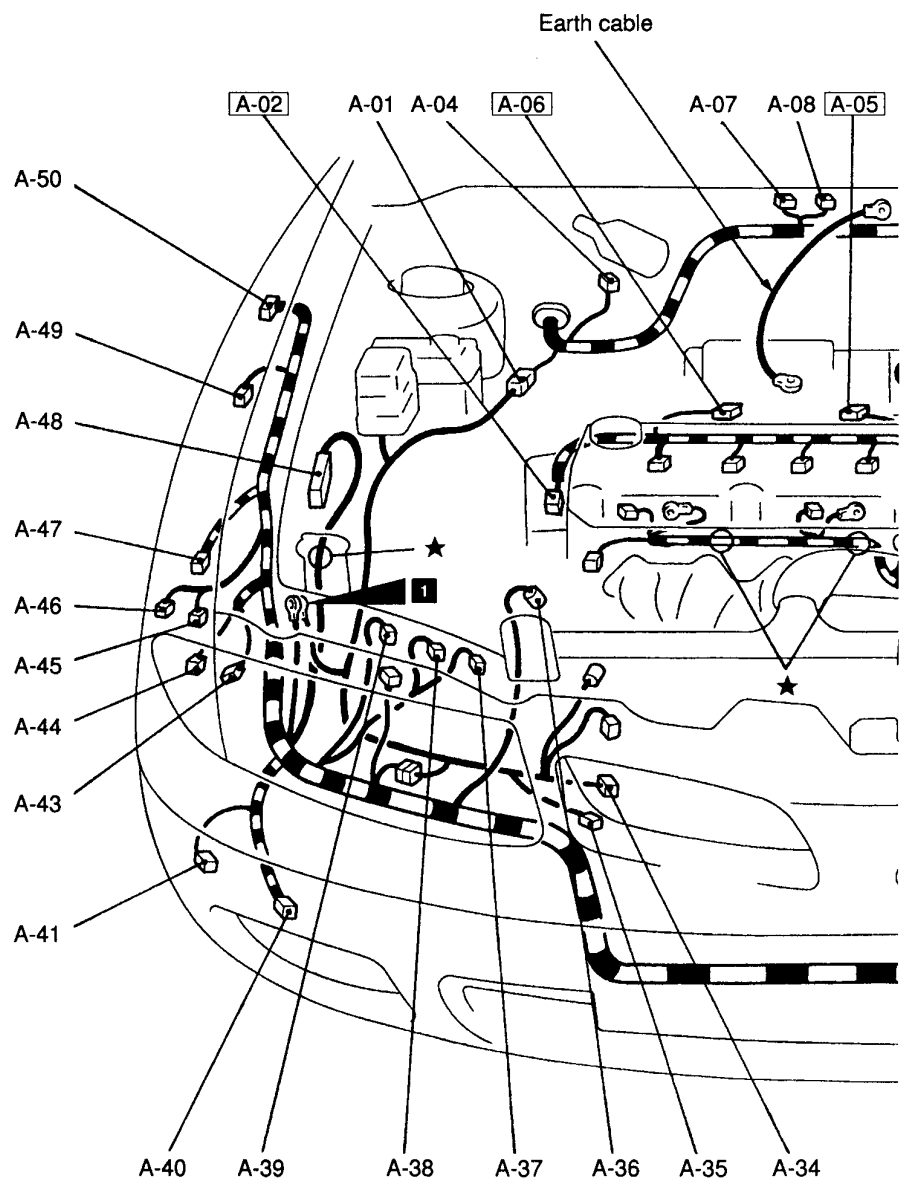
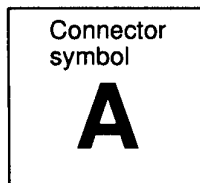
- (1) This illustration shows only major wiring harnesses.
- (2) \*: also equipped at the right side.



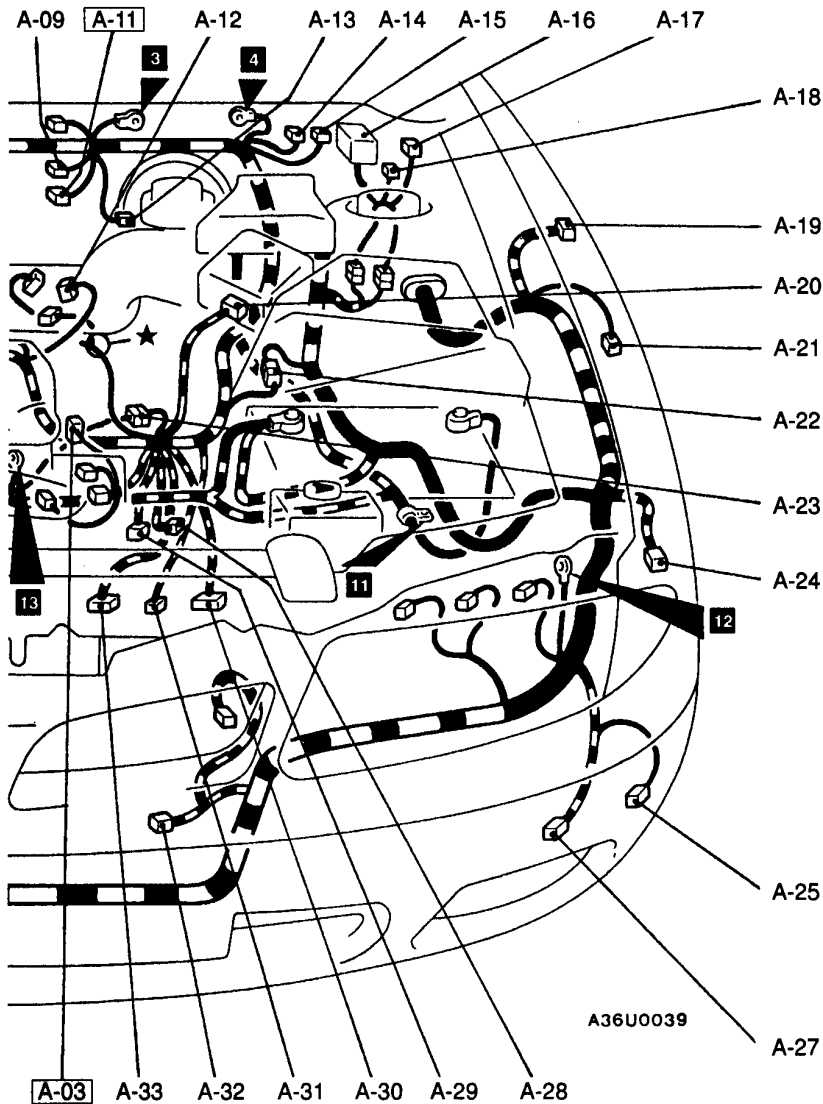
## ENGINE COMPARTMENT

MPI-SOHC &lt;L.H. drive vehicles&gt;

80100030669



A-01 (4-B)	Control wiring harness and A/C wiring harness combination	A-15 (2-B)	EGR solenoid valve
<u>A-02</u> (3-B)	Crank angle sensor	A-16 (12)	DRL-ECU
<u>A-03</u> (3-B)	Camshaft position sensor	A-17 (4)	DRL relay 1
A-04 (5-B)	Windshield wiper motor	A-18 (4)	DRL relay 2
<u>A-05</u> (3)	Ignition coil B	A-19 (2-B)	Side turn signal lamp (LH)
<u>A-06</u> (3)	Ignition coil A	A-20 (8-B)	Air flow sensor
A-07 (2-B)	Vacuum solenoid valve <TCL>	A-21 (2-B)	Front speed sensor (LH) <ABS>
A-08 (2-B)	Ventilation solenoid valve <TCL>	A-22 (6-B)	Front wiring harness and control wiring harness combination
A-09 (1-B)	Fuel pump check connector	A-23 (4-B)	Control wiring harness and battery cable assembly combination
<u>A-11</u> (1-L)	Engine speed detection connector	A-24 (2-B)	Front turn signal lamp (LH)
A-12 (4-B)	Accelerator pedal position sensor <TCL>	A-25 (2-B)	Horn (LH)
A-13 (2-B)	Brake fluid level sensor	A-27 (2)	Front fog lamp (LH)
A-14 (2-B)	Purge control solenoid valve		

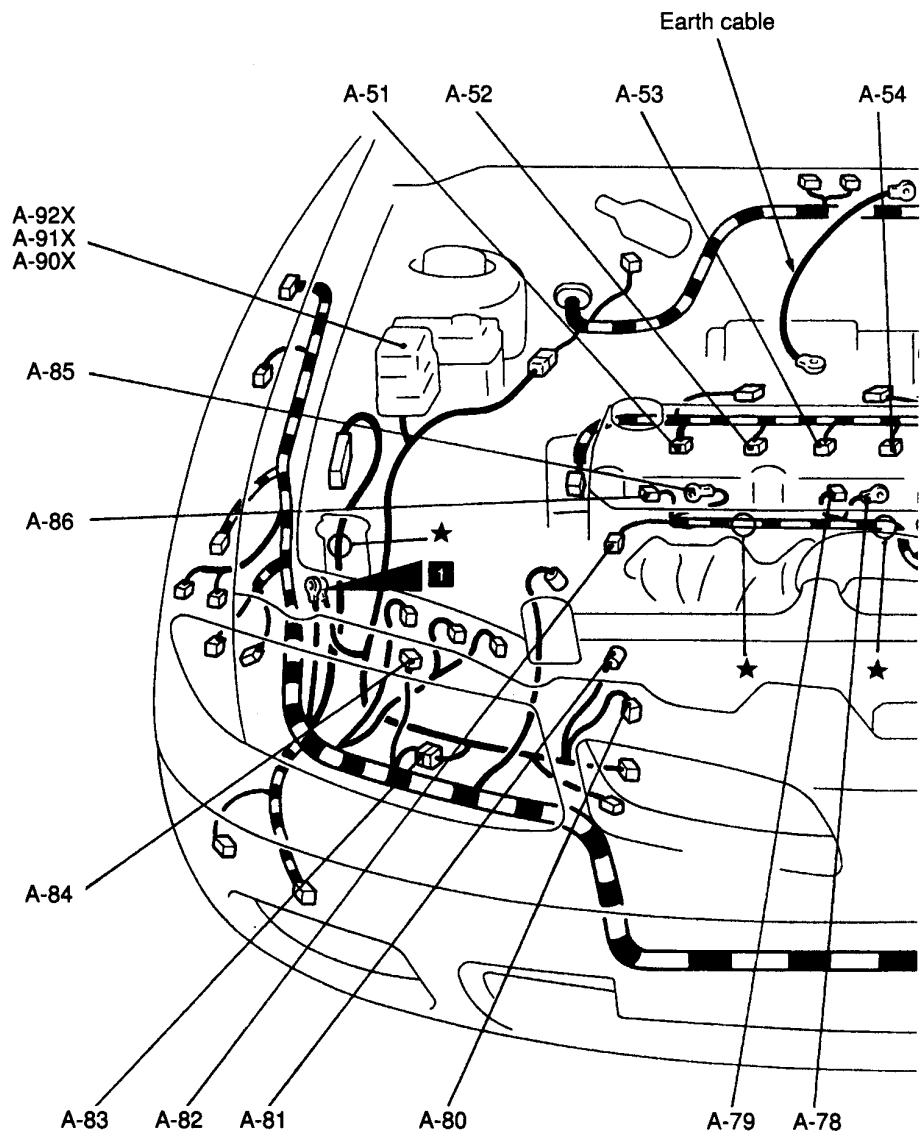
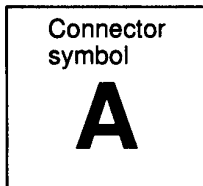


- A-28 (3-GR) Input shaft speed sensor <A/T>
- A-29 (3-B) Output shaft speed sensor <A/T>
- A-30 (10-GR) ELC-4A/T control solenoid valve
- A-31 (2-G) Back-up lamp switch <M/T>
- A-32 (2-B) Radiator fan motor
- A-33 (10-B) Inhibitor switch <A/T>
- A-34 (4) Condenser fan motor
- A-35 (2) Outside thermo sensor <Full-auto A/C> or no connection <Manual A/C>
- A-36 (1) Power steering oil pressure switch
- A-37 (2-B) Position lamp (RH)
- A-38 (3-B) Headlamp (RH)
- A-39 (3-B) Headlamp leveling unit (RH)
- A-40 (2) Front fog lamp (RH)

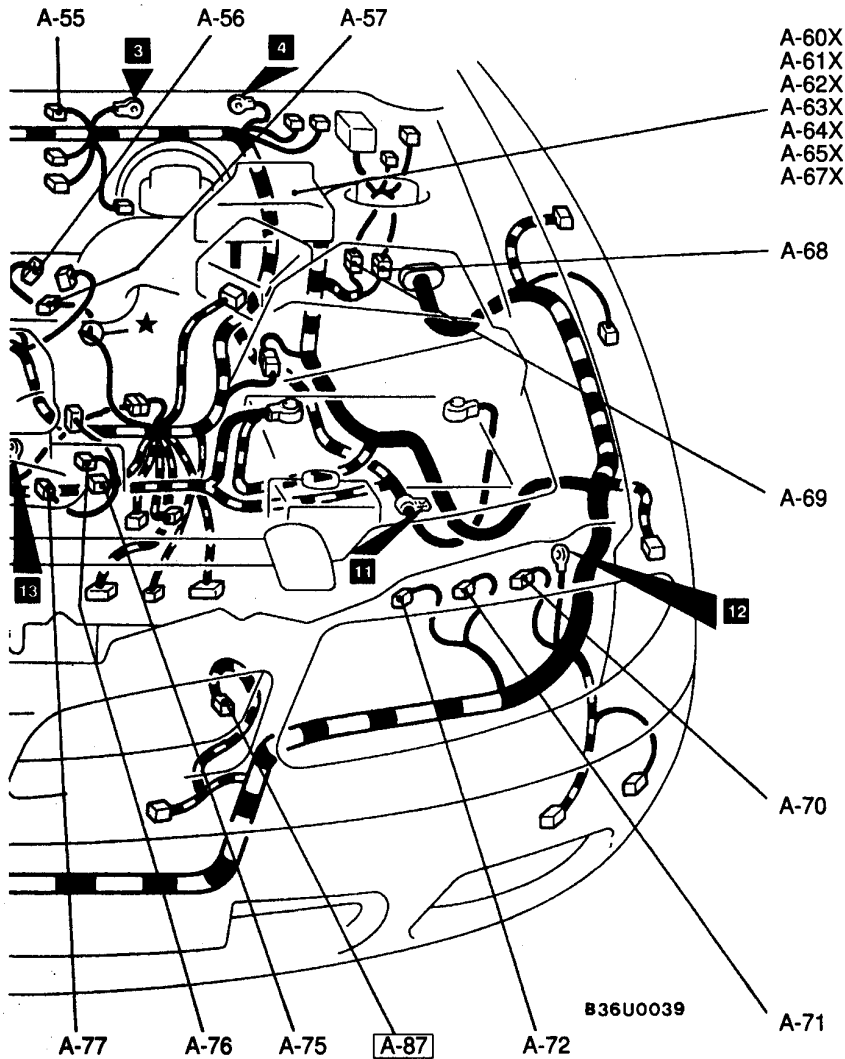
- A-41 (2-B) Horn (RH)
- A-43 (2-BR) Washer fluid level sensor
- A-44 (2) Headlamp washer motor
- A-45 (2) Rear washer motor
- A-46 (2) Windshield washer motor
- A-47 (2-B) Front turn signal lamp (RH)
- A-48 (40) ABS-ECU
- A-49 (2-B) Front speed sensor (RH) <ABS>
- A-50 (2-B) Side turn signal lamp (RH)

Remark  
 Connector numbers enclosed by a frame  are newly added connectors.

## MPI-SOHC &lt;L.H. drive vehicles&gt;



A-51 (2-GR)	Injector No. 1	A-67X (5)	Horn relay <SRS>
A-52 (2-GR)	Injector No. 2	A-68 (6-B)	Front wiring harness and DRL wiring harness combination
A-53 (2-GR)	Injector No. 3	A-69 (6-B)	Front wiring harness and DRL wiring harness combination
A-54 (2-GR)	Injector No. 4	A-70 (3-B)	Headlamp leveling unit (LH)
A-55 (4-B)	Auto-cruise control actuator	A-71 (3-B)	Headlamp (LH)
A-56 (4-B)	Throttle position sensor	A-72 (2-B)	Position lamp (LH)
A-57 (6-B)	Idle speed control servo	A-75 (1-B)	Engine coolant temperature gauge unit
A-60X (5)	Theft-alarm horn relay	A-76 (2-B)	Engine coolant temperature sensor
A-61X (5)	Tail lamp relay <DRL>	A-77 (2-GR)	Detonation sensor
A-62X (4)	Alternator relay	A-78 (1)	Starter
A-63X (5)	Radiator fan relay	A-79 (1-B)	Starter
A-64X (5)	Headlamp relay		
A-65X (5)	Headlamp washer relay		



- A-80 (2) Dual pressure switch
- A-81 (1) A/C refrigerant temperature switch and magnetic clutch
- A-82 (1-B) Oil pressure switch
- A-83 (8-B) Front wiring harness and A/C wiring harness combination
- A-84 (2-B) Hood switch <Theft-alarm system>
- A-85 (1) Alternator
- A-86 (2) Alternator

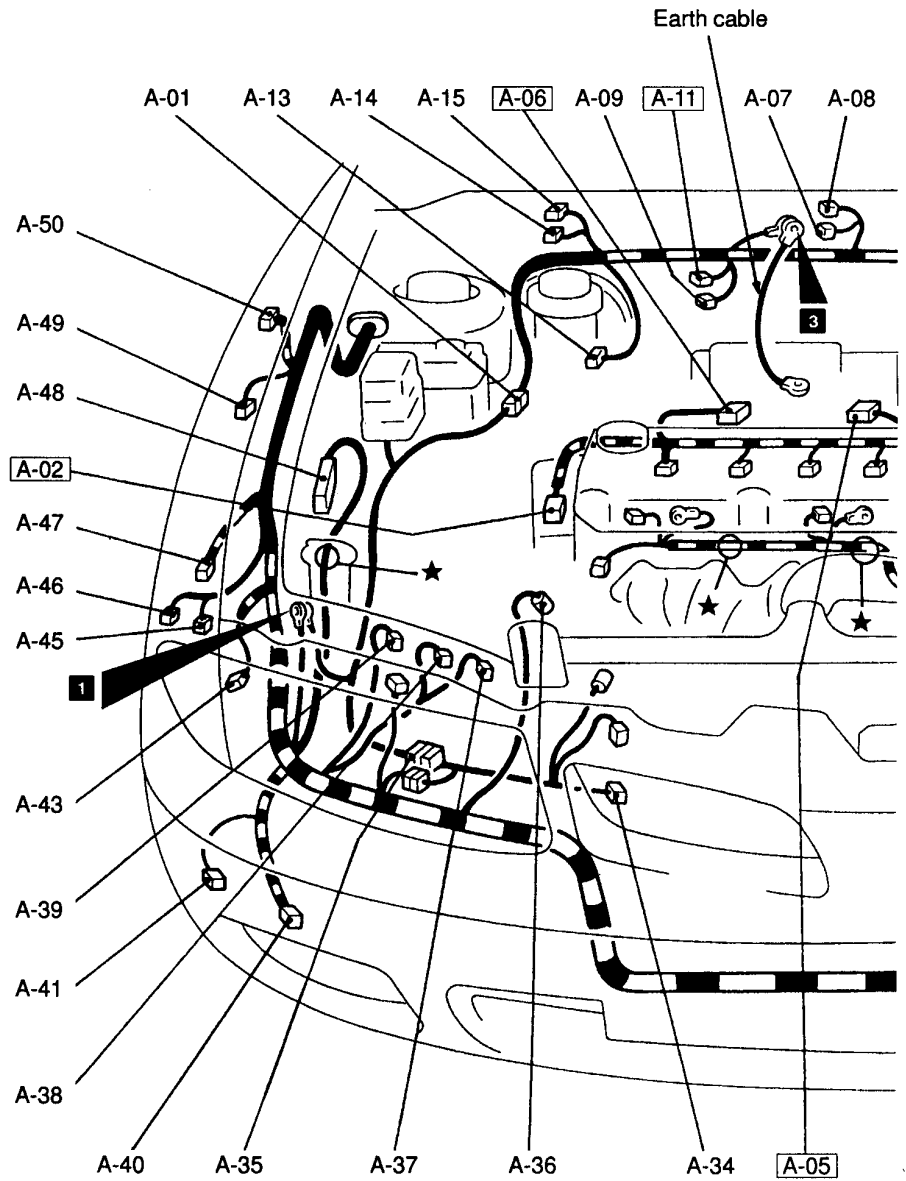
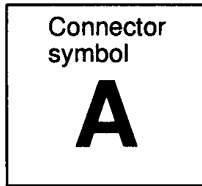
- A-87 (2-B) Theft-alarm horn
- A-90X (5) Condenser fan relay (LO)
- A-91X (5) Condenser fan relay (HI)
- A-92X (5) A/C compressor relay

**Remark**  
 Connector numbers enclosed by a frame  are the connectors whose installation location are changed.

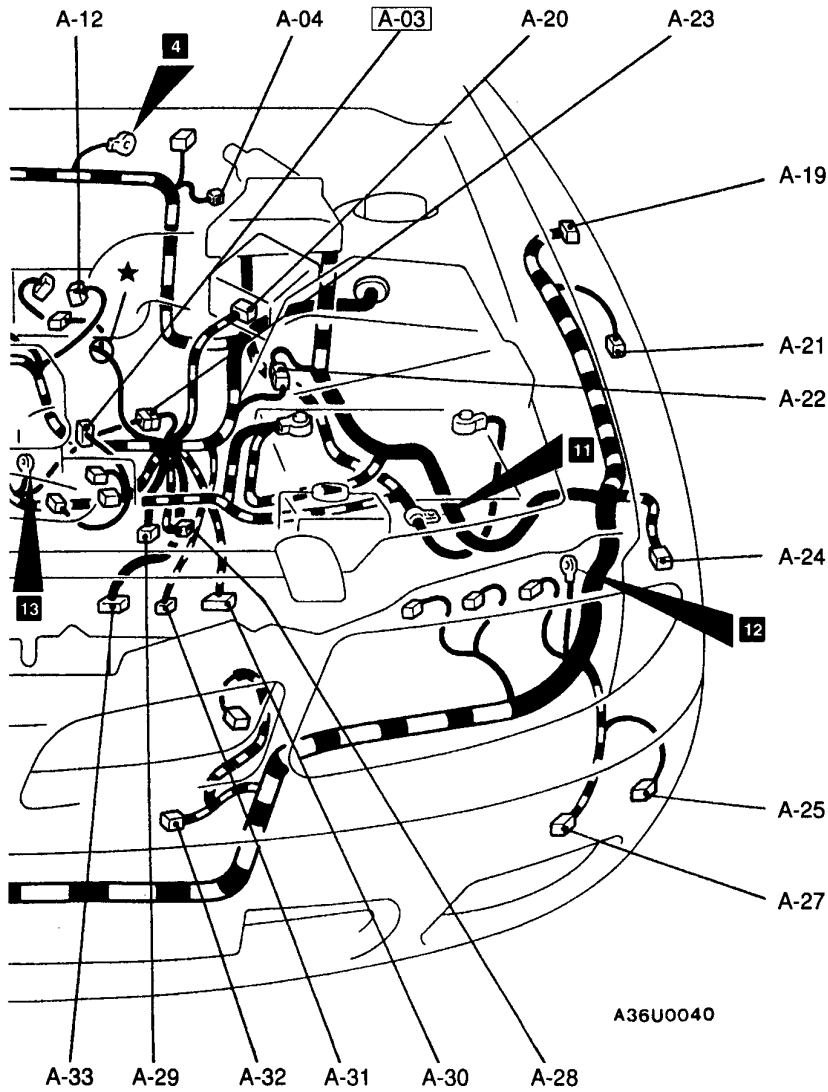
ENGINE COMPARTMENT

80100030676

MPI-SOHC <R.H. drive vehicles>



- |                   |   |             |   |
|-------------------|---|-------------|---|
| A-01 (4-B)        | Control wiring harness and A/C wiring harness combination | A-15 (2-B)  | EGR solenoid valve  |
| <u>A-02</u> (3-B) | Crank angle sensor  | A-19 (2-B)  | Side turn signal lamp (LH)                                    |
| <u>A-03</u> (3-B) | Camshaft position sensor                                  | A-20 (8-B)  | Air flow sensor   |
| A-04 (5-B)        | Windshield wiper motor                                    | A-21 (2-B)  | Front speed sensor (LH) <ABS>                                 |
| <u>A-05</u> (3)   | Ignition coil B   | A-22 (6-B)  | Front wiring harness and control wiring harness combination   |
| <u>A-06</u> (3)   | Ignition coil A   | A-23 (4-B)  | Control wiring harness and battery cable assembly combination |
| A-07 (2-B)        | Vacuum solenoid valve <TCL>                               | A-24 (2-B)  | Front turn signal lamp (LH)                                   |
| A-08 (2-B)        | Ventilation solenoid valve <TCL>                          | A-25 (2-B)  | Horn (LH)   |
| A-09 (1-B)        | Fuel pump check connector                                 | A-27 (2)    | Front fog lamp (LH)   |
| <u>A-11</u> (1-L) | Engine speed detection connector                          | A-28 (3-B)  | Input shaft speed sensor <A/T>                                |
| A-12 (4-B)        | Accelerator pedal position sensor <TCL>                   | A-29 (3-GR) | Output shaft speed sensor <A/T>                               |
| A-13 (2-B)        | Brake fluid level sensor                                  |             |   |
| A-14 (2-B)        | Purge control solenoid valve                              |             |   |



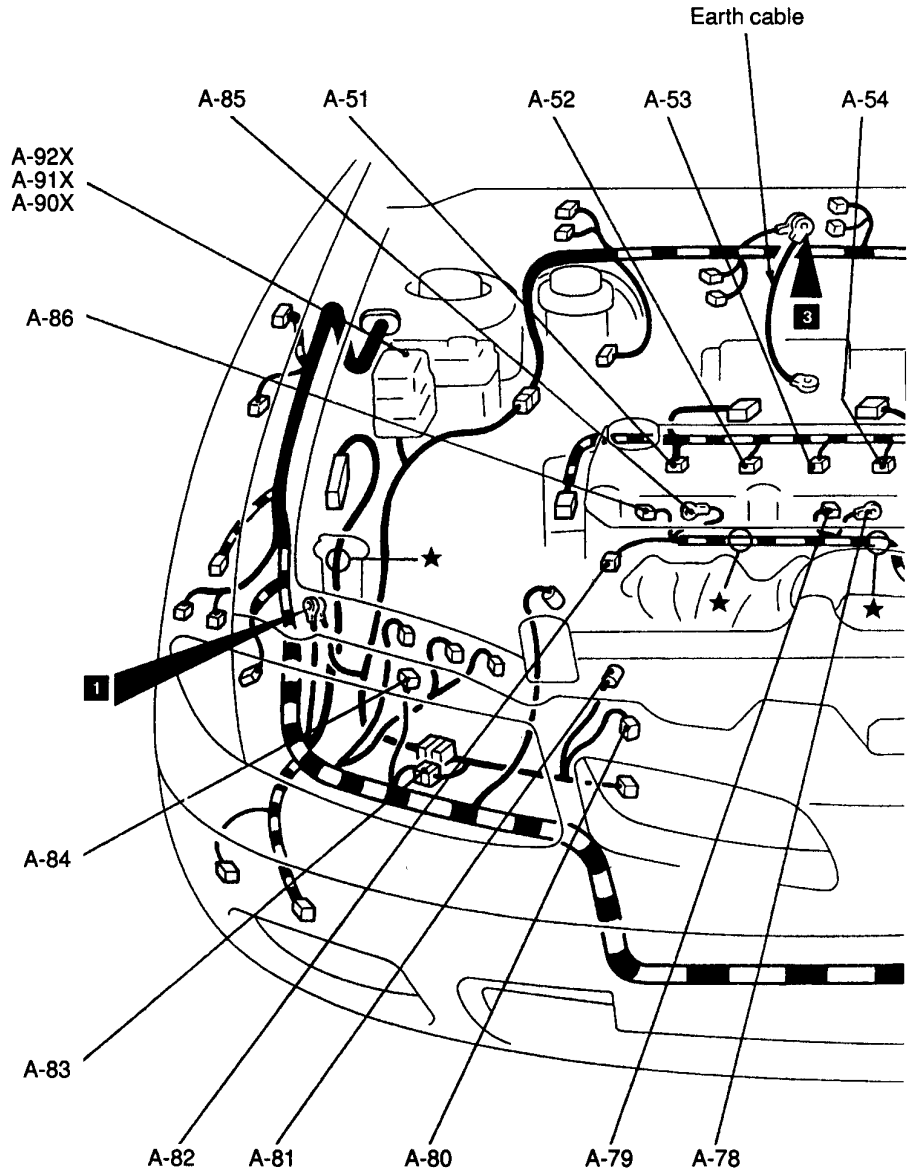
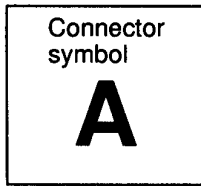
- A-30 (10-GR) ELC-4A/T control solenoid valve
- A-31 (2-G) Back-up lamp switch <M/T>
- A-32 (2-B) Radiator fan motor
- A-33 (10-B) Inhibitor switch <A/T>
- A-34 (4) Condenser fan motor
- A-35 (2) No connection <Manual A/C>
- A-36 (1) Power steering oil pressure switch
- A-37 (2-B) Position lamp (RH)
- A-38 (3-B) Headlamp (RH)
- A-39 (3-B) Headlamp leveling unit (RH)
- A-40 (2) Front fog lamp (RH)
- A-41 (2-B) Horn (RH)

- A-43 (2-BR) Washer fluid level sensor
- A-45 (2) Rear washer motor
- A-46 (2) Windshield washer motor
- A-47 (2-B) Front turn signal lamp (RH)
- A-48 (40) ABS-ECU
- A-49 (2-B) Front speed sensor (RH) <ABS>
- A-50 (2-B) Side turn signal lamp (RH)

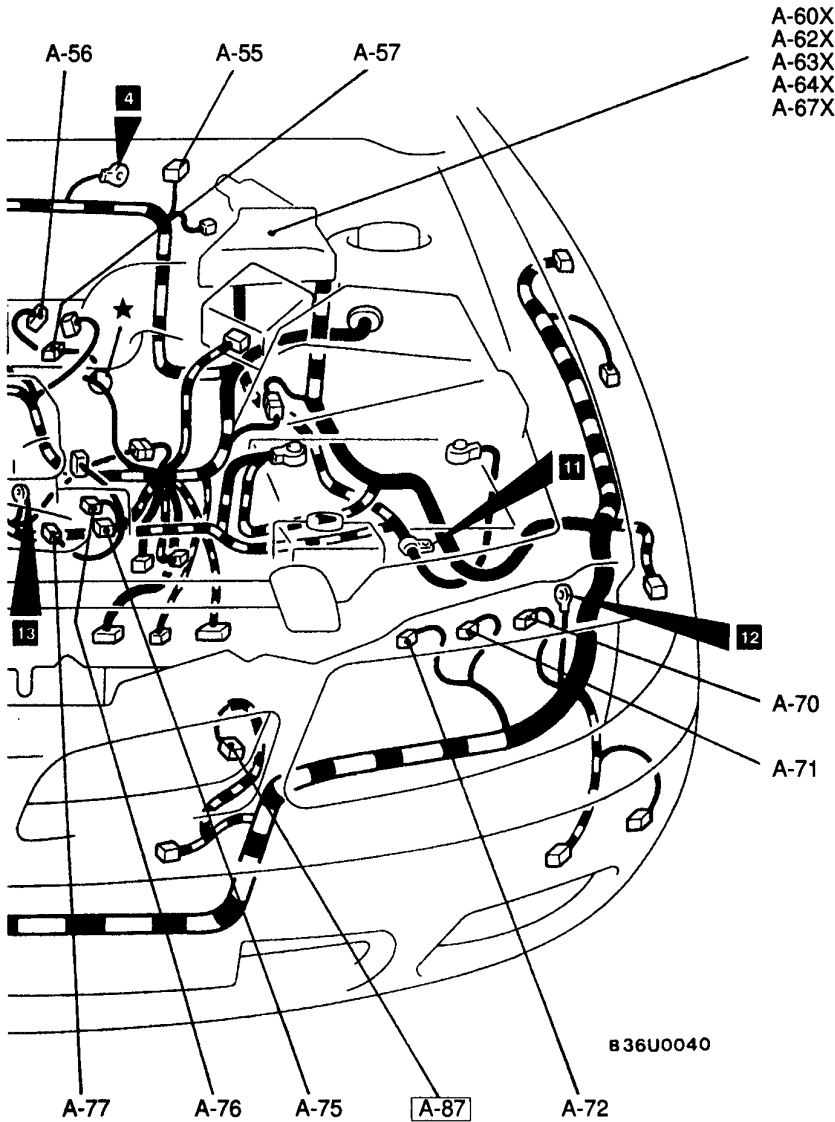
**Remark**

Connector numbers enclosed by a frame  are newly added connectors.

MPI-SOHC <R.H. drive vehicles>



- |             |                              |            |                                       |
|-------------|------------------------------|------------|---------------------------------------|
| A-51 (2-GR) | Injector No. 1               | A-63X (5)  | Radiator fan relay                    |
| A-52 (2-GR) | Injector No. 2               | A-64X (5)  | Headlamp relay                        |
| A-53 (2-GR) | Injector No. 3               | A-67X (5)  | Horn relay <SRS>                      |
| A-54 (2-GR) | Injector No. 4               | A-70 (3-B) | Headlamp leveling unit (LH)           |
| A-55 (4-B)  | Auto-cruise control actuator | A-71 (3-B) | Headlamp (LH)                         |
| A-56 (4-B)  | Throttle position sensor     | A-72 (2-B) | Position lamp (LH)                    |
| A-57 (6-B)  | Idle speed control servo     | A-75 (1-B) | Engine coolant temperature gauge unit |
| A-60X (5)   | Theft-alarm horn relay       | A-76 (2-B) | Engine coolant temperature sensor     |
| A-62X (4)   | Alternator relay             |            |                                       |



- A-77 (2-GR) Detonation sensor
- A-78 (1) Starter
- A-79 (1-B) Starter
- A-80 (2) Dual pressure switch
- A-81 (1) A/C refrigerant temperature switch and magnetic clutch
- A-82 (1-B) Oil pressure switch
- A-83 (8-B) Front wiring harness and A/C wiring harness combination
- A-84 (2-B) Hood switch <Theft-alarm system>
- A-85 (1) Alternator

- A-86 (2) Alternator
- A-87 (2-B) Theft-alarm horn
- A-90X (5) Condenser fan relay (LO)
- A-91X (5) Condenser fan relay (HI)
- A-92X (5) A/C compressor relay

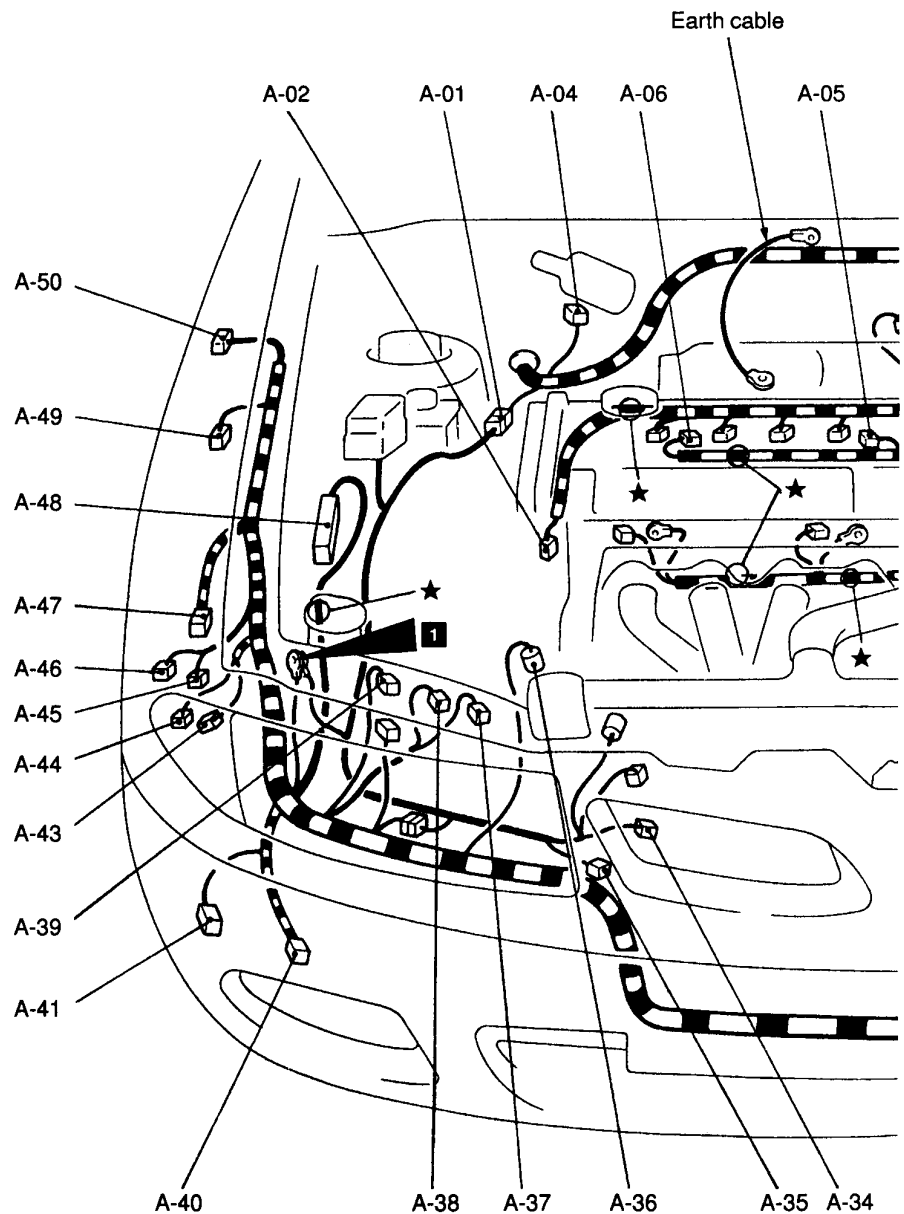
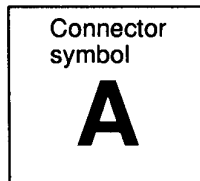
Remark  
 Connector numbers enclosed by a frame A-87 are the connectors whose installation locations are changed.



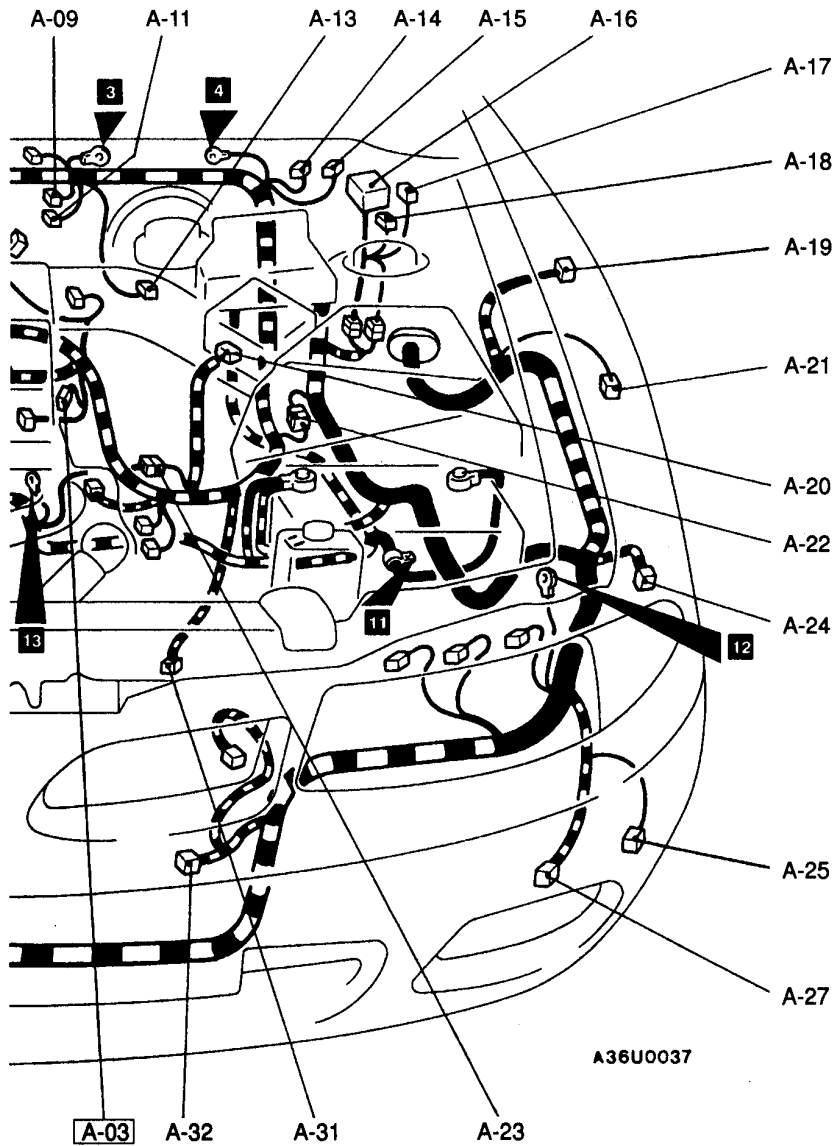
## ENGINE COMPARTMENT

80100030683

## MPI-DOHC



A-01 (4-B)	Control wiring harness and A/C wiring harness combination	A-16 (12)	DRL-ECU
A-02 (3-B)	Crank angle sensor	A-17 (4)	DRL relay 1
<u>A-03</u> (3-B)	Camshaft position sensor	A-18 (4)	DRL relay 2
A-04 (5-B)	Windshield wiper motor	A-19 (2-B)	Side turn signal lamp (LH)
A-05 (3-GR)	Ignition coil B	A-20 (8-B)	Air flow sensor
A-06 (3-GR)	Ignition coil A	A-21 (2-B)	Front speed sensor (LH) <ABS>
A-09 (1-B)	Fuel pump check connector	A-22 (6-B)	Front wiring harness and control wiring harness combination
A-11 (1-L)	Engine speed detection connector	A-23 (4-B)	Control wiring harness and battery cable assembly combination
A-13 (2-B)	Brake fluid level sensor	A-24 (2-B)	Front turn signal lamp (LH)
A-14 (2-B)	Purge control solenoid valve		
A-15 (2-B)	EGR solenoid valve		



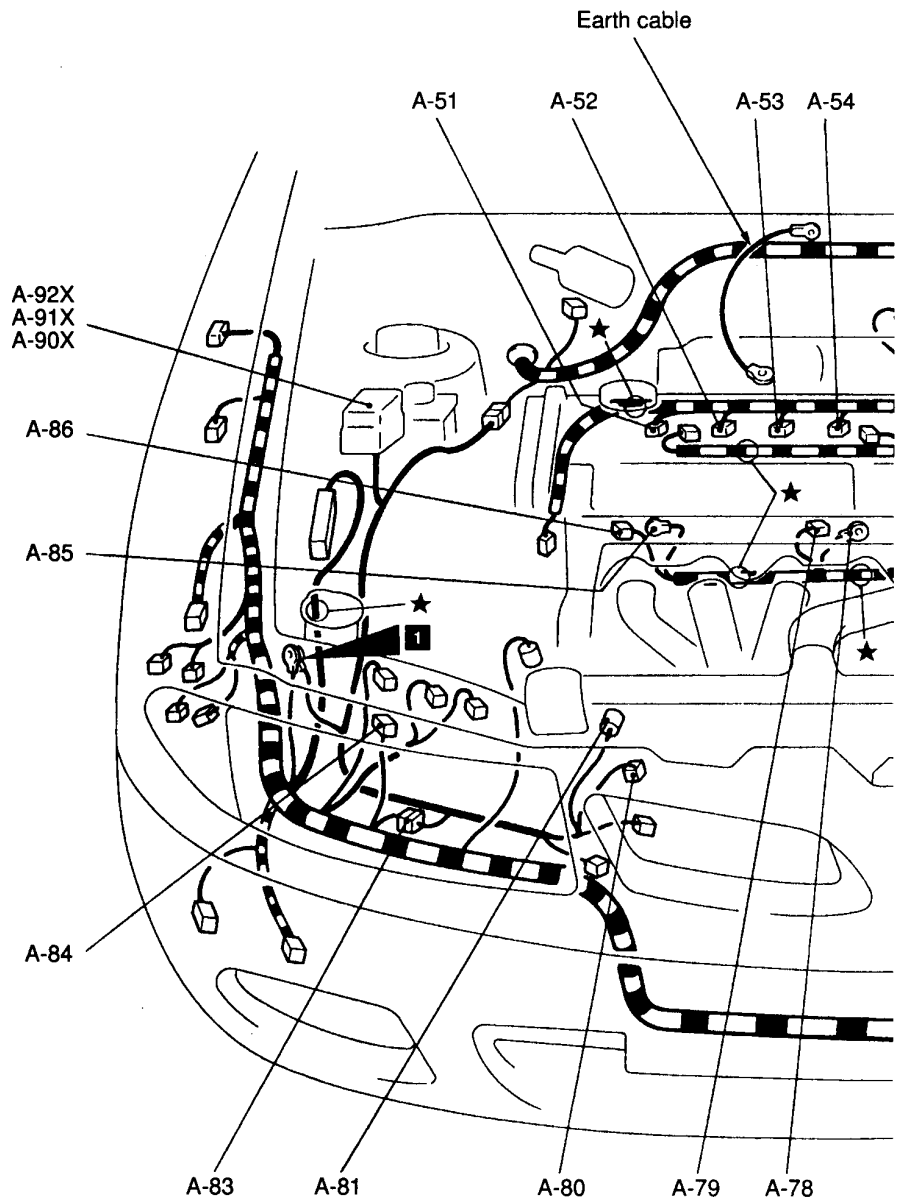
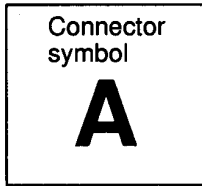
A36U0037

- A-25 (2-B) Horn (LH)
- A-27 (2) Front fog lamp (LH)
- A-31 (2-G) Back-up lamp switch <M/T>
- A-32 (2-B) Radiator fan motor
- A-34 (4) Condenser fan motor
- A-35 (2) Outside thermo sensor <Full-auto A/C> or no connection <Manual A/C>
- A-36 (1) Power steering oil pressure switch
- A-37 (2-B) Position lamp (RH)
- A-38 (3-B) Headlamp (RH)
- A-39 (3-B) Headlamp leveling unit (RH)
- A-40 (2) Front fog lamp (RH)
- A-41 (2-B) Horn (RH)

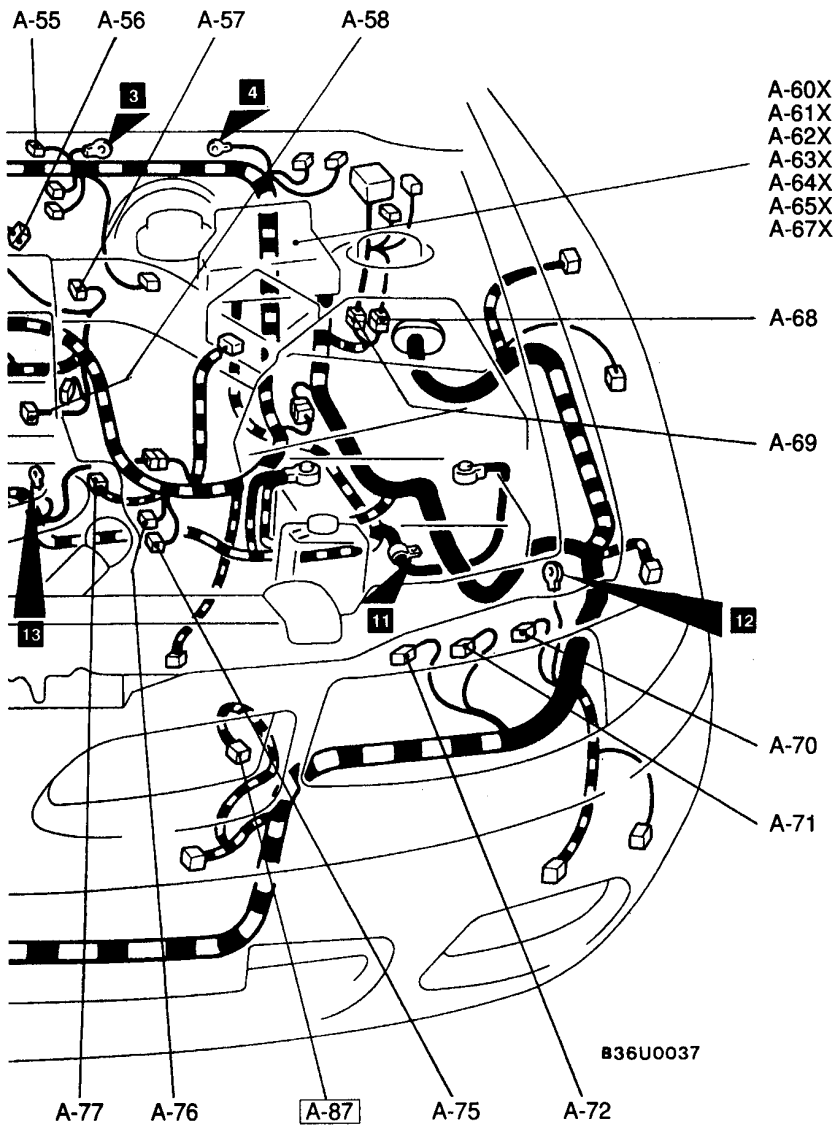
- A-43 (2-BR) Washer fluid level sensor
- A-44 (2) Headlamp washer motor
- A-45 (2) Rear washer motor
- A-46 (2) Windshield washer motor
- A-47 (2-B) Front turn signal lamp (RH)
- A-48 (40) ABS-ECU
- A-49 (2-B) Front speed sensor (RH) <ABS>
- A-50 (2-B) Side turn signal lamp (RH)

**Remark**  
 Connector numbers enclosed by a frame  are the connectors whose installation location are changed.

MPI-DOHC



- |             |                              |            |   |
|-------------|------------------------------|------------|---|
| A-51 (2-GR) | Injector No. 1               | A-63X (5)  | Radiator fan relay                                      |
| A-52 (2-GR) | Injector No. 2               | A-64X (5)  | Headlamp relay  |
| A-53 (2-GR) | Injector No. 3               | A-65X (5)  | Headlamp washer relay                                   |
| A-54 (2-GR) | Injector No. 4               | A-67X (5)  | Horn relay <SRS>  |
| A-55 (4-B)  | Auto-cruise control actuator | A-68 (6-B) | Front wiring harness and DRL wiring harness combination |
| A-56 (4-B)  | Throttle position sensor     | A-69 (6-B) | Front wiring harness and DRL wiring harness combination |
| A-57 (6-B)  | Idle speed control servo     | A-70 (3-B) | Headlamp leveling unit (LH)                             |
| A-58 (1-B)  | Oil pressure switch          | A-71 (3-B) | Headlamp (LH)   |
| A-60X (5)   | Theft-alarm horn relay       | A-72 (2-B) | Position lamp (LH)                                      |
| A-61X (5)   | Tail lamp relay <DRL>        |            |   |
| A-62X (4)   | Alternator relay             |            |   |



- A-75 (1-B) Engine coolant temperature gauge unit
- A-76 (2-B) Engine coolant temperature sensor
- A-77 (2-GR) Detonation sensor
- A-78 (1) Starter
- A-79 (1-B) Starter
- A-80 (2) Dual pressure switch
- A-81 (1) A/C refrigerant temperature switch and magnetic clutch
- A-83 (8-B) Front wiring harness and A/C wiring harness combination
- A-84 (2-B) Hood switch <Theft-alarm system>

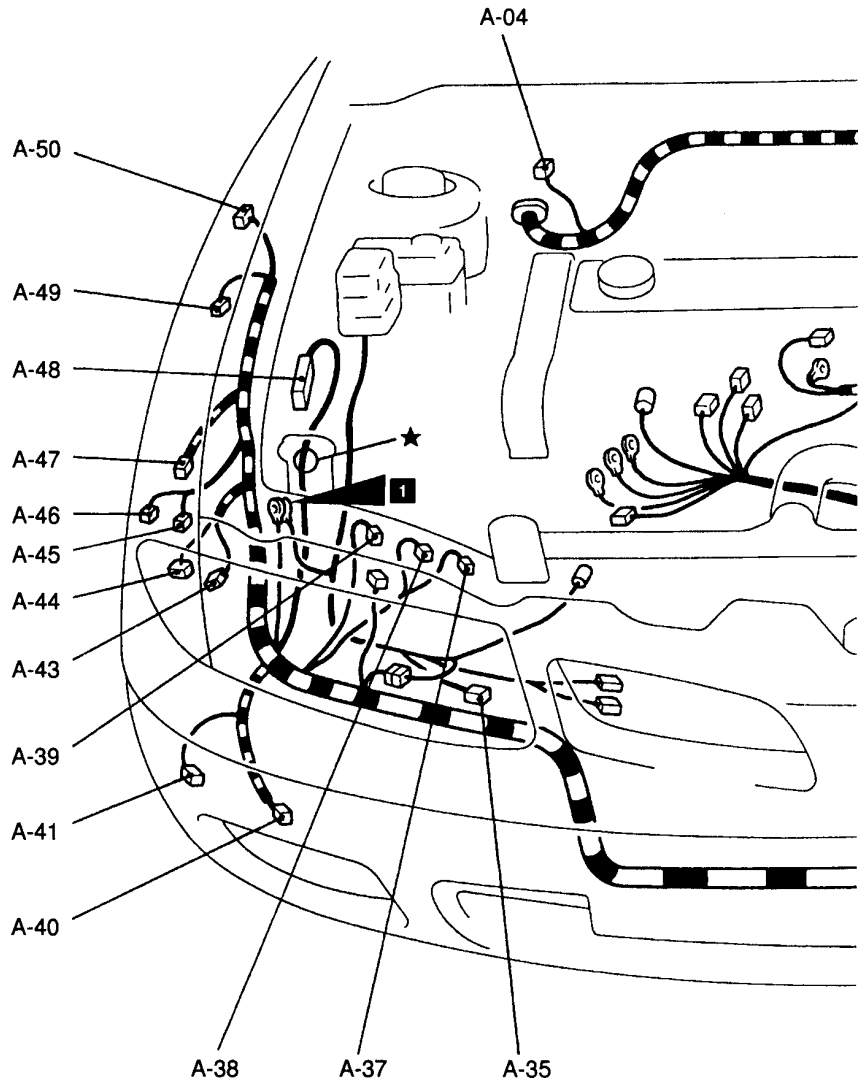
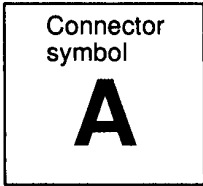
- A-85 (1) Alternator
- A-86 (2) Alternator
- A-87 (2-B) Theft-alarm horn
- A-90X (5) Condenser fan relay (LO)
- A-91X (5) Condenser fan relay (HI)
- A-92X (5) A/C compressor relay

**Remark**  
 Connector numbers enclosed by a frame  are the connectors whose installation locations are changed.

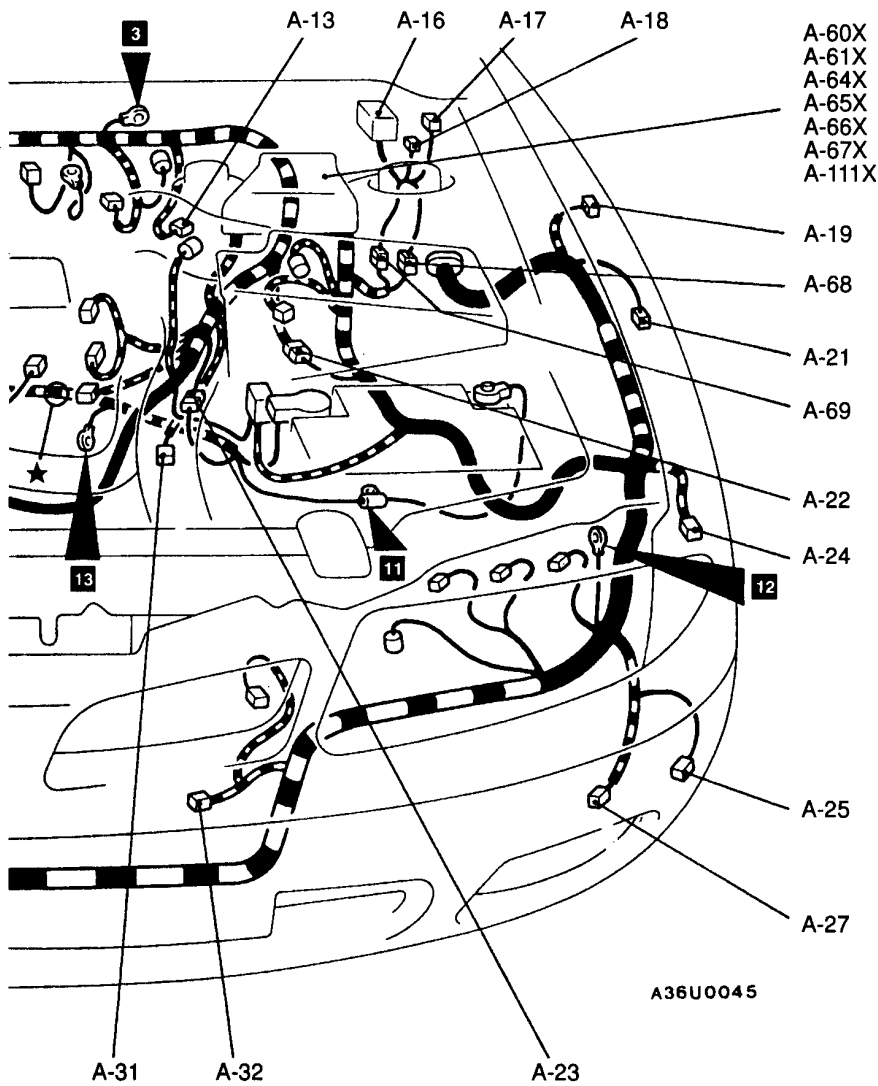
ENGINE COMPARTMENT

80100030690

Diesel <L.H. drive vehicles>

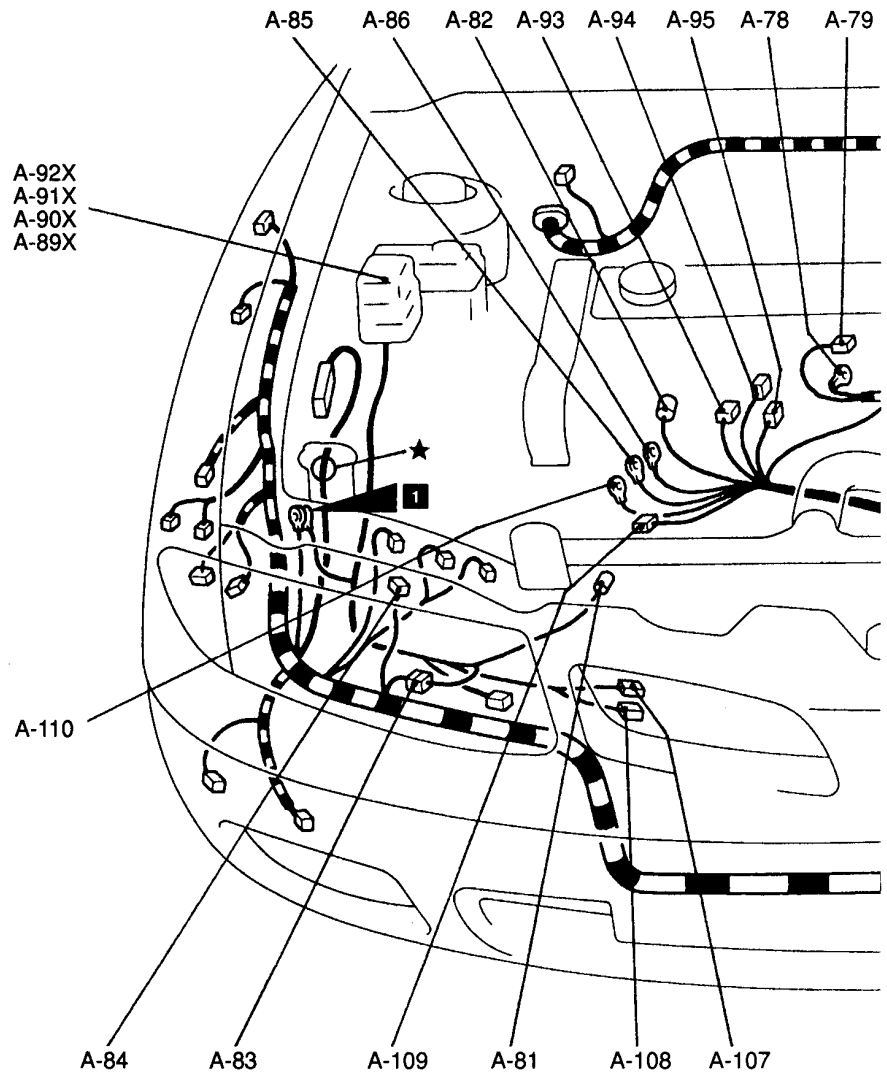
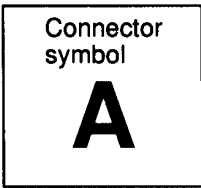


- |            |  |            |  |
|------------|--|------------|--|
| A-04 (5-B) | Windshield wiper motor   | A-24 (2-B) | Front turn signal lamp (LH)  |
| A-13 (2-B) | Brake fluid level sensor   | A-25 (2-B) | Horn (LH)  |
| A-16 (12)  | DRL-ECU  | A-27 (2)   | Front fog lamp (LH)  |
| A-17 (4)   | DRL relay 1  | A-31 (2-G) | Back-up lamp switch <M/T>  |
| A-18 (4)   | DRL relay 2  | A-32 (4-B) | Radiator fan motor   |
| A-19 (2-B) | Side turn signal lamp (LH)                                       | A-35 (2)   | Outside thermo sensor <Full-auto A/C><br>or no connection <Manual A/C> |
| A-21 (2-B) | Front speed sensor (LH) <ABS>                                    | A-37 (2-B) | Position lamp (RH)   |
| A-22 (6-B) | Front wiring harness and control wiring<br>harness combination   | A-38 (3-B) | Headlamp (RH)  |
| A-23 (2-B) | Control wiring harness and battery cable<br>assembly combination | A-39 (3-B) | Headlamp leveling unit (RH)  |
|            |  | A-40 (2)   | Front fog lamp (RH)  |



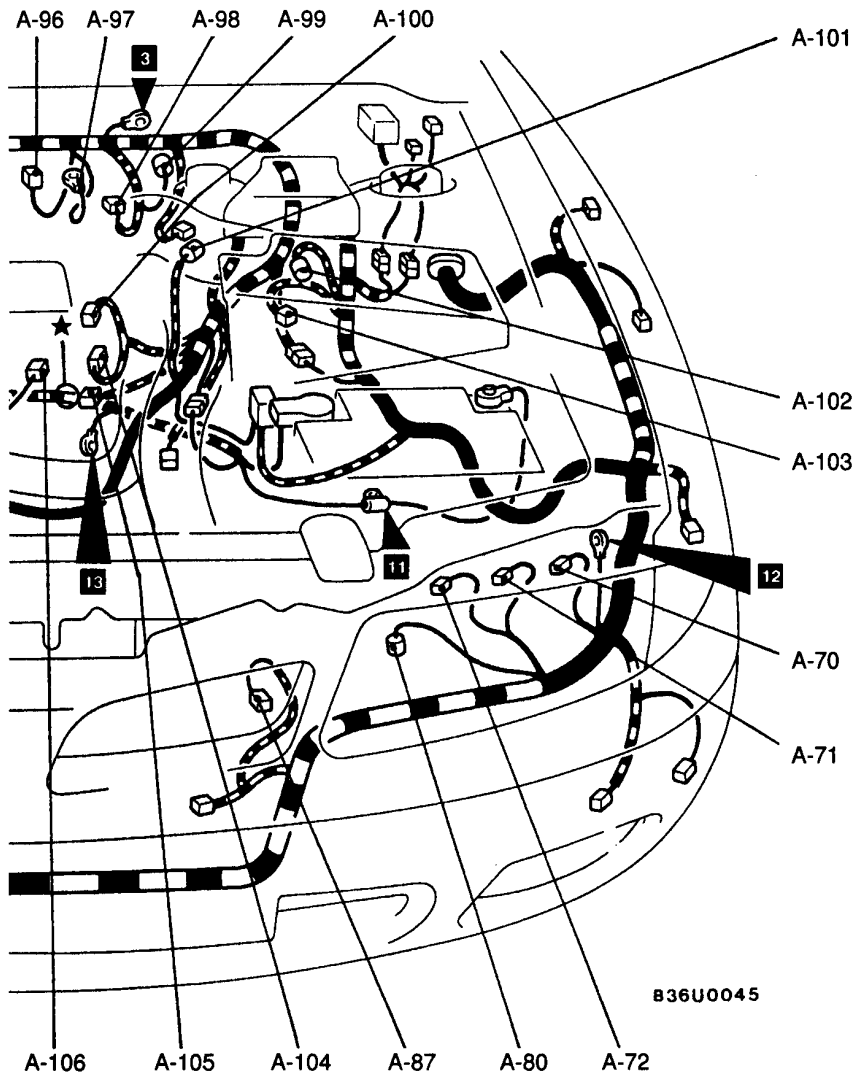
- |             |                               |             |   |
|-------------|-------------------------------|-------------|---|
| A-41 (2-B)  | Horn (RH)                     | A-61X (5)   | Tail lamp relay <DRL>                                   |
| A-43 (2-BR) | Washer fluid level sensor     | A-64X (5)   | Headlamp relay  |
| A-44 (2)    | Headlamp washer motor         | A-65X (5)   | Headlamp washer relay                                   |
| A-45 (2)    | Rear washer motor             | A-66X (5)   | Fuel line heater relay                                  |
| A-46 (2)    | Windshield washer motor       | A-67X (5)   | Horn relay <SRS>  |
| A-47 (2-B)  | Front turn signal lamp (RH)   | A-68 (10-B) | Front wiring harness and DRL wiring harness combination |
| A-48 (40)   | ABS-ECU                       | A-69 (10-B) | Front wiring harness and DRL wiring harness combination |
| A-49 (2-B)  | Front speed sensor (RH) <ABS> | A-111X (5)  | Radiator fan relay (LO)                                 |
| A-50 (2-B)  | Side turn signal lamp (RH)    |             |   |
| A-60X (5)   | Theft-alarm horn relay        |             |   |

Diesel <L.H. drive vehicles>



- A-70 (3-B) Headlamp leveling unit (LH)
- A-71 (3-B) Headlamp (LH)
- A-72 (2-B) Position lamp (LH)
- A-78 (1) Starter
- A-79 (1) Starter
- A-80 (2-BR) Dual pressure switch
- A-81 (1) A/C refrigerant temperature switch and magnetic clutch
- A-82 (1) Oil pressure switch
- A-83 (10-B) Front wiring harness and A/C wiring harness combination

- A-84 (2-B) Hood switch <Theft-alarm system>
- A-85 (1) Alternator
- A-86 (2) Alternator
- A-87 (2-B) Theft-alarm horn
- A-89X (5) Radiator fan relay (HI)
- A-90X (5) Condenser fan relay (LO)
- A-91X (5) Condenser fan relay (HI)
- A-92X (5) A/C compressor relay



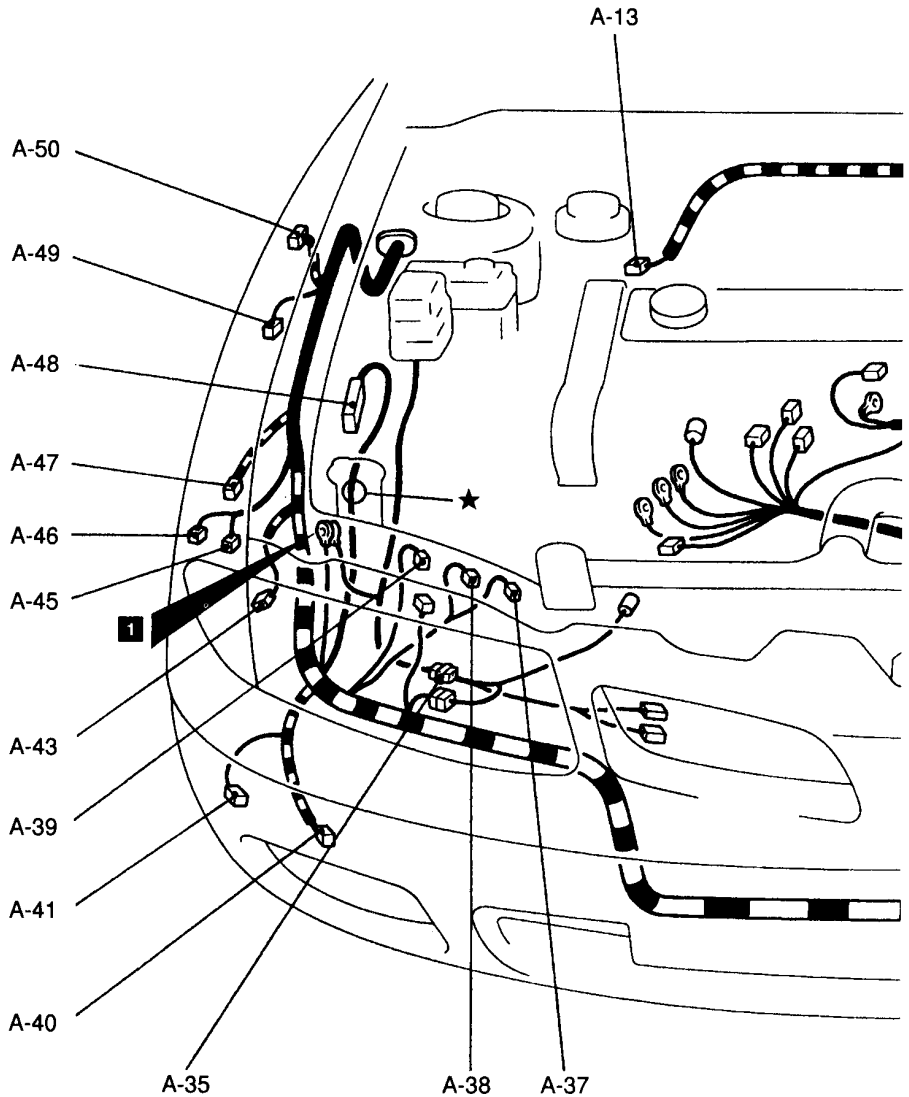
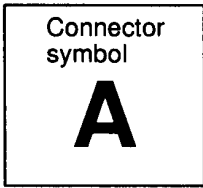
- |              |                                   |             |   |
|--------------|-----------------------------------|-------------|---|
| A-93 (3-B)   | Immobilizer                       | A-103 (2-B) | Fuel line heater                        |
| A-94 (3-B)   | Lever position sensor             | A-104 (4-G) | Engine coolant temperature gauge unit   |
| A-95 (2-B)   | Timing control solenoid valve     | A-105 (2)   | Top dead center and engine speed sensor |
| A-96 (3-B)   | Glow relay box                    | A-106 (2-B) | Needle lift sensor                      |
| A-97 (1)     | Glow relay box                    | A-107 (2)   | Condenser fan motor                     |
| A-98 (2-B)   | EGR solenoid valve                | A-108 (2)   | Condenser fan motor                     |
| A-99 (2-GR)  | Fast idle on/off solenoid valve   | A-109 (1)   | Alternator                              |
| A-100 (2-W)  | Engine coolant temperature sensor | A-110 (1)   | Alternator                              |
| A-101 (2-B)  | Air temperature sensor            |             |   |
| A-102 (2-GR) | Fuel line heater thermo switch    |             |   |



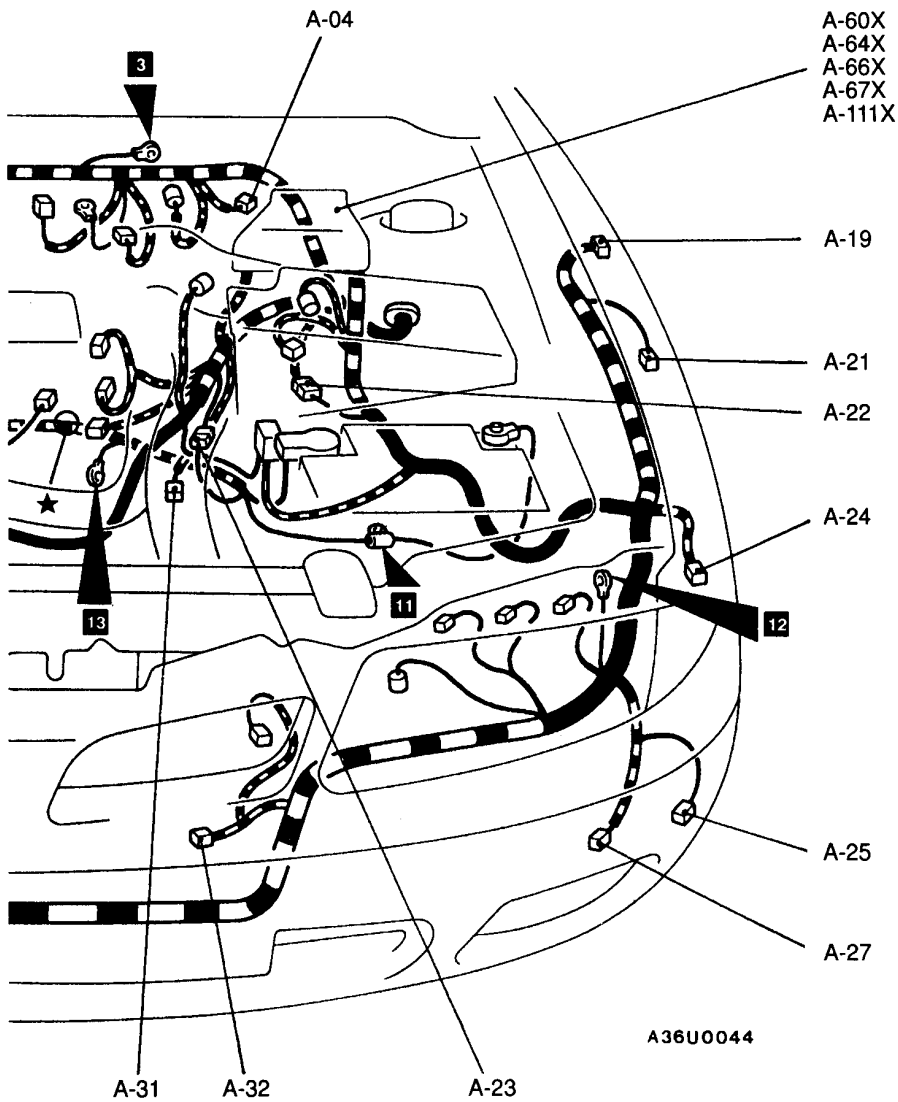
ENGINE COMPARTMENT

80100030706

Diesel <R.H. drive vehicles>

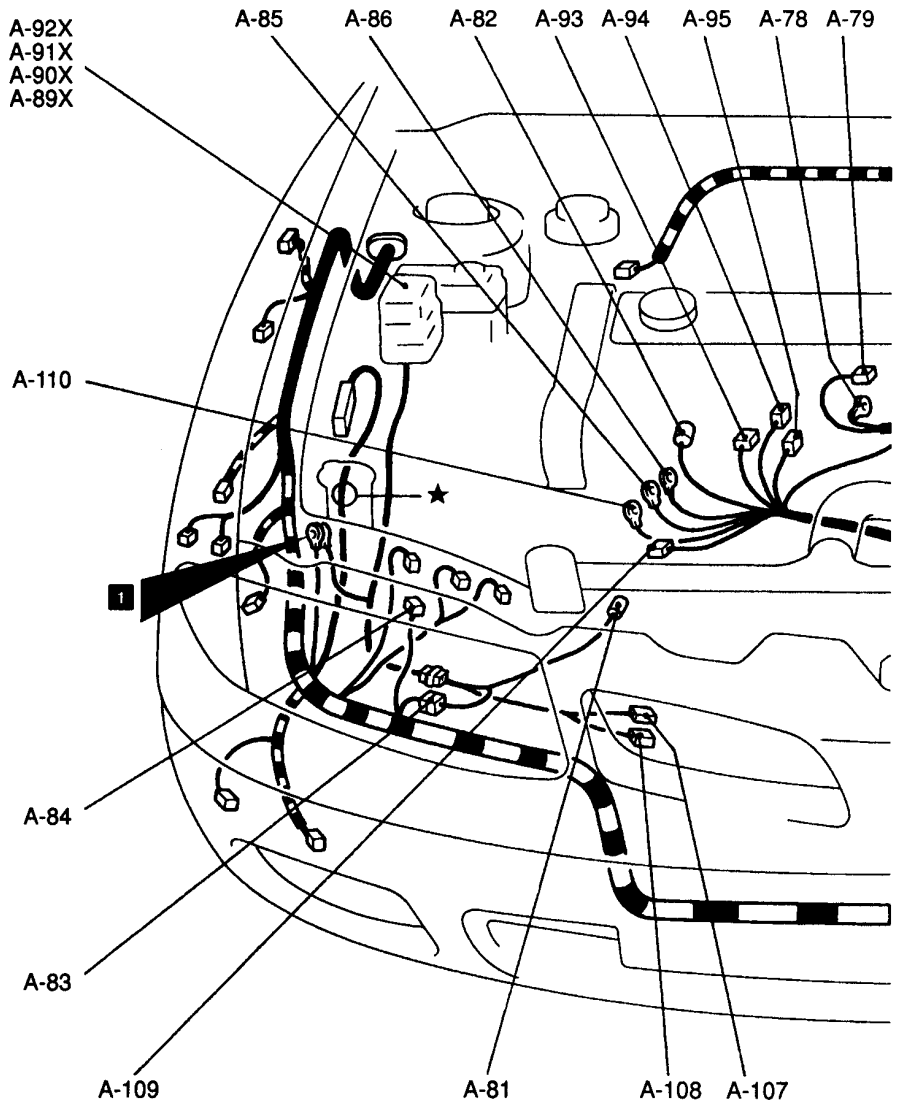
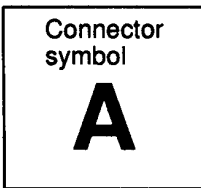


- |            |   |            |                             |
|------------|---|------------|-----------------------------|
| A-04 (5-B) | Windshield wiper motor  | A-27 (2)   | Front fog lamp (LH)         |
| A-13 (2-B) | Brake fluid level sensor                                      | A-31 (2-G) | Back-up lamp switch <M/T>   |
| A-19 (2-B) | Side turn signal lamp (LH)                                    | A-32 (4-B) | Radiator fan motor          |
| A-21 (2-B) | Front speed sensor (LH) <ABS>                                 | A-35 (2)   | No connection               |
| A-22 (6)   | Front wiring harness and control wiring harness combination   | A-37 (2-B) | Position lamp (RH)          |
| A-23 (2-B) | Control wiring harness and battery cable assembly combination | A-38 (3-B) | Headlamp (RH)               |
| A-24 (2-B) | Front turn signal lamp (LH)                                   | A-39 (3-B) | Headlamp leveling unit (RH) |
| A-25 (2-B) | Horn (LH)   | A-40 (2)   | Front fog lamp (RH)         |
|            |   | A-41 (2-B) | Horn (RH)                   |



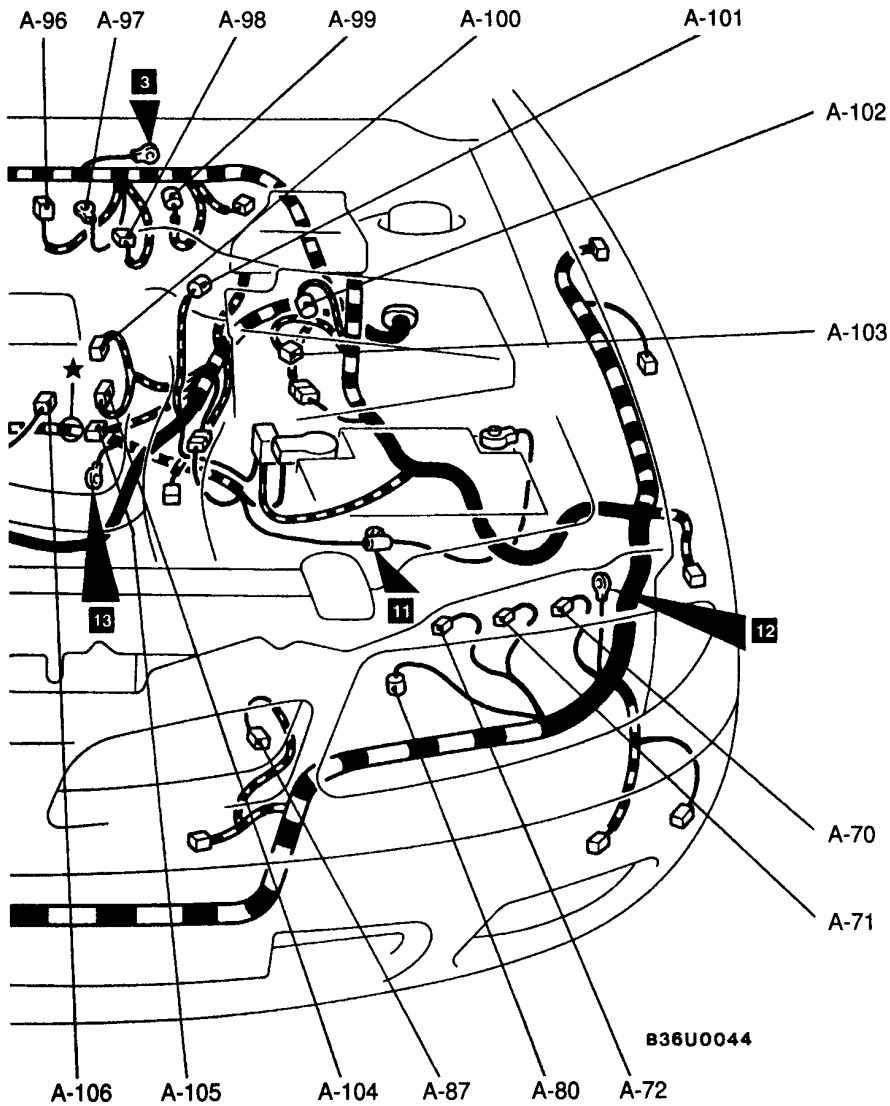
- |             |                               |            |                            |
|-------------|-------------------------------|------------|----------------------------|
| A-43 (2-BR) | Washer fluid level sensor     | A-50 (2-B) | Side turn signal lamp (RH) |
| A-45 (2)    | Rear washer motor             | A-60X (5)  | Theft-alarm horn relay     |
| A-46 (2)    | Windshield washer motor       | A-64X (5)  | Headlamp relay             |
| A-47 (2-B)  | Front turn signal lamp (RH)   | A-66X (5)  | Fuel line heater relay     |
| A-48 (40)   | ABS-ECU                       | A-67X (5)  | Horn relay <SRS>           |
| A-49 (2-B)  | Front speed sensor (RH) <ABS> | A-111X (5) | Radiator fan relay (LO)    |

Diesel <R.H. drive vehicles>



- A-70 (3-B) Headlamp leveling unit (LH)
- A-71 (3-B) Headlamp (LH)
- A-72 (2-B) Position lamp (LH)
- A-78 (1) Starter
- A-79 (1) Starter
- A-80 (2-BR) Dual pressure switch
- A-81 (1) A/C refrigerant temperature switch and magnetic clutch
- A-82 (1) Oil pressure switch
- A-83 (10-B) Front wiring harness and A/C wiring harness combination

- A-84 (2-B) Hood switch <Theft-alarm system>
- A-85 (1) Alternator
- A-86 (1) Alternator
- A-87 (2-B) Theft-alarm horn
- A-89X (5) Radiator fan relay (HI)
- A-90X (5) Condenser fan relay (LO)
- A-91X (5) Condenser fan relay (HI)
- A-92X (5) A/C compressor relay
- A-93 (3-B) Immobilizer

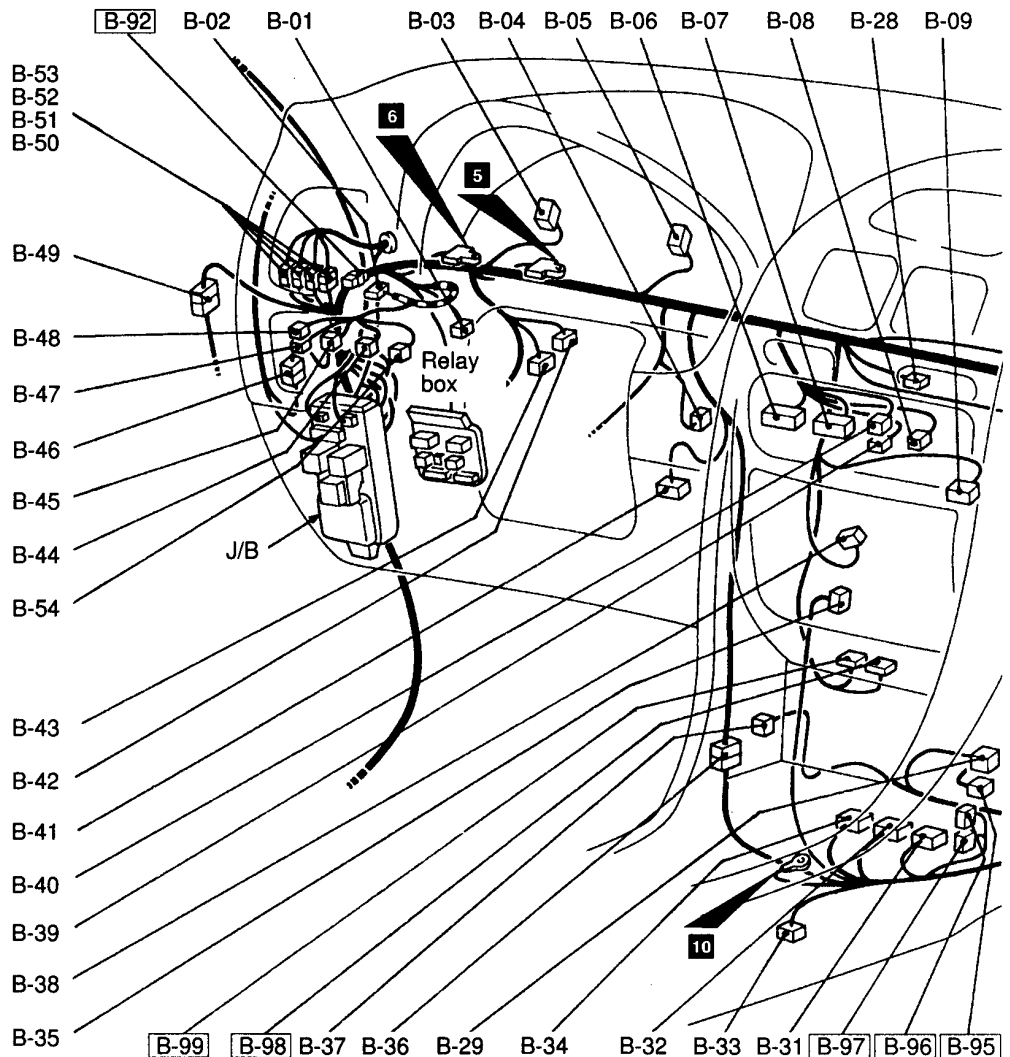
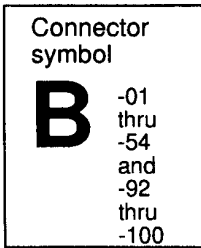


- |              |                                   |             |   |
|--------------|-----------------------------------|-------------|---|
| A-94 (3-B)   | Lever position sensor             | A-103 (2-B) | Fuel line heater                        |
| A-95 (2-B)   | Timing control solenoid valve     | A-104 (4-G) | Engine coolant temperature gauge unit   |
| A-96 (3-B)   | Glow relay box                    | A-105 (2)   | Top dead center and engine speed sensor |
| A-97 (1)     | Glow relay box                    | A-106 (2-B) | Needle lift sensor                      |
| A-98 (2-B)   | EGR solenoid valve                | A-107 (2)   | Condenser fan motor                     |
| A-99 (2-GR)  | Fast idle on/off solenoid valve   | A-108 (2)   | Condenser fan motor                     |
| A-100 (2-W)  | Engine coolant temperature sensor | A-109 (1)   | Alternator                              |
| A-101 (2-B)  | Air temperature sensor            | A-110 (1)   | Alternator                              |
| A-102 (2-GR) | Fuel line heater thermo switch    |             |   |

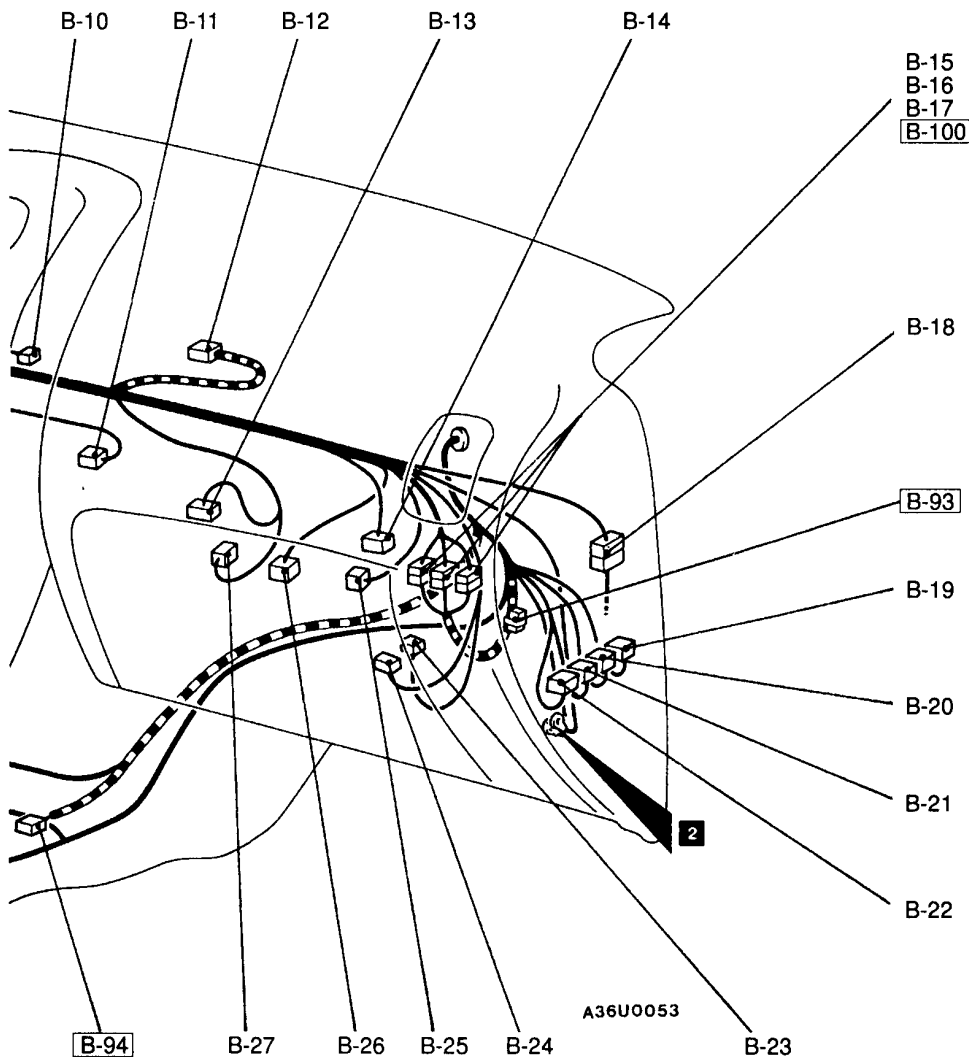
DASH PANEL

80100060309

L.H. drive vehicles



B-01 (2)	Clutch switch <Auto-cruise control system>	B-16 (18)	Control wiring harness and body wiring harness combination
B-02 (16-B)	Immobilizer-ECU	B-17 (22)	Control wiring harness and body wiring harness combination
B-03 (25)	Combination meter	B-18 (20)	<TCL or auto-cruise control system> Front door wiring harness (passenger's side) and body wiring harness combination
B-04 (6)	Mode selection damper control motor <Full-auto A/C>	B-19 (26-Y)	Engine-ECU <Petrol>
B-05 (25)	Combination meter	B-20 (16-Y)	Engine-ECU <Petrol>
B-06 (16-B)	A/C control panel and ECU assembly <Full-auto A/C>	B-21 (12-Y)	Engine-ECU <Petrol>
B-07 (20-B)	A/C control panel and ECU assembly <Full-auto A/C>	B-22 (22-Y)	Engine-ECU <Petrol>
B-08 (2)	Blower control illumination lamp <Heater and manual A/C>	B-23 (4)	Blower high speed relay <Full-auto A/C>
B-09 (14)	Radio and tape player	B-24 (2)	Blower motor
B-10 (2)	Photosensor <Full-auto A/C>	B-25 (12)	Automatic compressor ECU <Manual A/C>
B-11 (2)	Heater water temperature sensor <Full-auto A/C>	B-26 (4)	Resistor <Heater or manual A/C>
B-12 (2-R)	Air bag module (squib) (passenger's side)	B-27 (4)	Power transistor <Full-auto A/C>
B-13 (4)	Air purifier <Full-auto A/C>	B-28 (2-B)	Air thermo sensor <A/C>
B-14 (6)	Outside/inside air selection damper motor <Full-auto A/C>	B-29 (4)	A/T relay
B-15 (4)	Control wiring harness and body wiring harness combination <Petrol>	B-31 (22-L)	ELC-4A/T-ECU
		B-32 (16-L)	ELC-4A/T-ECU
		B-33 (4)	Oxygen sensor
		B-34 (26-L)	ELC-4A/T-ECU

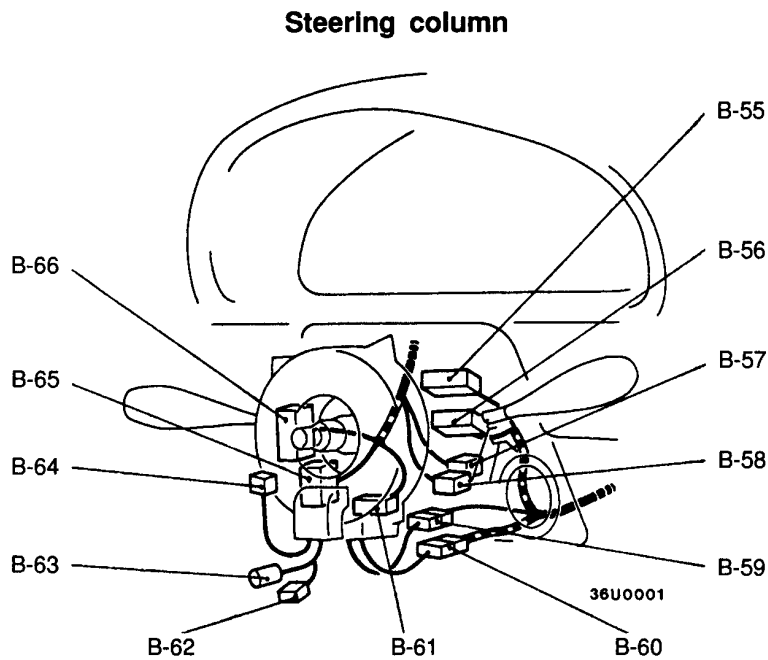
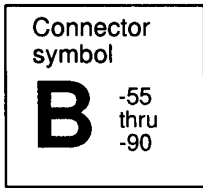


- |             |  |  |   |
|-------------|--|--|---|
| B-35 (18)   | Auto-cruise ECU  | B-50 (22-GR)   | Front wiring harness and body wiring harness combination            |
| B-36 (14)   | Control wiring harness and body wiring harness combination <A/T>   | B-51 (1)   | Front wiring harness and body wiring harness combination            |
| B-37 (2-B)  | Kickdown switch <A/T>  | B-52 (18)  | Front wiring harness and body wiring harness combination            |
| B-38 (6)    | Air mixing damper control motor <Full-auto A/C>  | B-53 (10-B)  | Front wiring harness and body wiring harness combination            |
| B-39 (6)    | A/C switch <Manual A/C>  | B-54 (3)   | Rheostat or jumper connector  |
| B-40 (8)    | Blower switch <Heater or manual A/C>   | <span style="border: 1px solid black;">B-92</span> (2)     | Diode <Theft-alarm system>  |
| B-41 (16-B) | Diagnosis connector  | <span style="border: 1px solid black;">B-93</span> (2)     | Diode <Diesel>  |
| B-42 (3-B)  | Stop lamp switch <Vehicles without auto-cruise control system> or no connection <Vehicles with auto-cruise control system> | <span style="border: 1px solid black;">B-94</span> (4)     | Ignition relay <Diesel>   |
| B-43 (4-BR) | Stop lamp switch <Vehicles with auto-cruise control system>  | <span style="border: 1px solid black;">B-95</span> (25)    | Engine-ECU <Diesel>   |
| B-44 (12)   | Remote controlled mirror switch  | <span style="border: 1px solid black;">B-96</span> (4)     | Engine control relay <Petrol>                                       |
| B-45 (6)    | Headlamp leveling switch   | <span style="border: 1px solid black;">B-97</span> (4)     | Fuel pump relay <Petrol>  |
| B-46 (10)   | Instrument panel wiring harness and body wiring harness combination  | <span style="border: 1px solid black;">B-98</span> (16-DG) | Keyless entry receiver ECU  |
| B-47 (4)    | Rear fog lamp switch   | <span style="border: 1px solid black;">B-99</span> (22-DG) | Keyless entry receiver ECU  |
| B-48 (6)    | Front fog lamp switch  | <span style="border: 1px solid black;">B-100</span> (2)    | Control wiring harness and body wiring harness combination <Diesel> |
| B-49 (32-B) | Front door wiring harness (driver's side) and body wiring harness combination  |  |   |

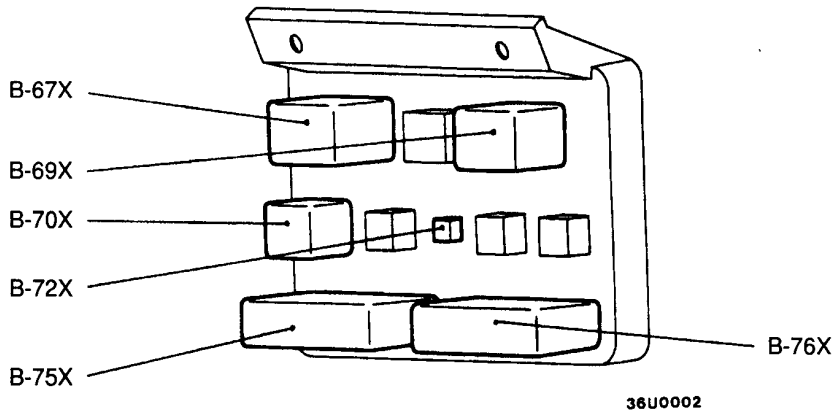
Remark

Connector numbers enclosed by a frame  are newly added connectors.

L.H. drive vehicles



Relay box in passenger compartment



- B-55 (12)
- B-56 (7)
- B-57 (2)
- B-58 (6)
- B-59 (3)
- B-60 (2-R)
- B-61 (5)
- B-62 (2)
- B-63 (1)
- B-64 (2)
- B-65 (10)
- B-66 (6)
- B-67X (9)

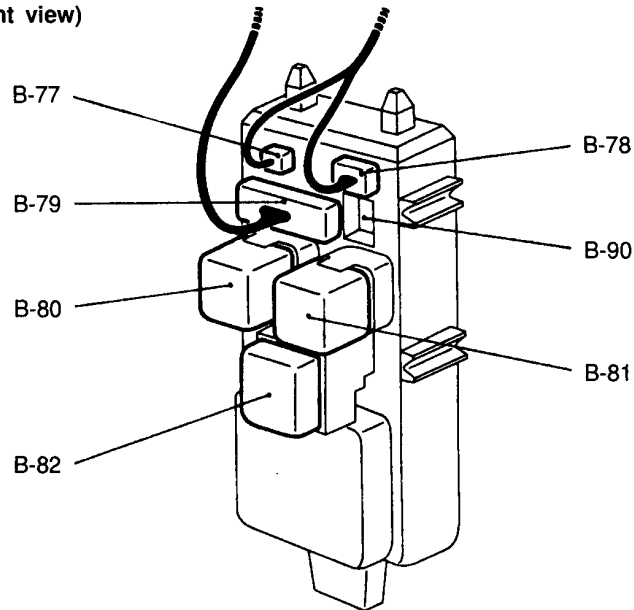
- Column switch
- Slip ring <Auto-cruise control system (without SRS)>
- Ignition key ring antenna
- Ignition switch
- Clock spring <SRS>
- Clock spring <SRS>
- Steering wheel sensor <TCL>
- Auto-cruise control switch <SRS>
- Horn switch <SRS>
- Air bag module (squib) (Driver's side)
- Column switch
- Column switch
- Door lock ECU <Vehicles without theft-alarm system>

- B-69X (7)
- B-70X (5)
- B-72X (3)
- B-75X (33)
- B-76X (33)
- B-77 (2)
- B-78 (6)
- B-79 (18)
- B-80 (5)
- B-81 (5)
- B-82 (5)

- 00003490
- Rear intermittent wiper relay
  - Rear fog lamp relay
  - Diode
  - J/C (1)
  - J/C (2)
  - J/B and roof wiring harness combination <Sunroof>
  - J/B and roof wiring harness combination
  - J/B and instrument panel wiring harness combination
  - Blower relay
  - Defogger relay
  - Turn-signal and hazard warning flasher unit

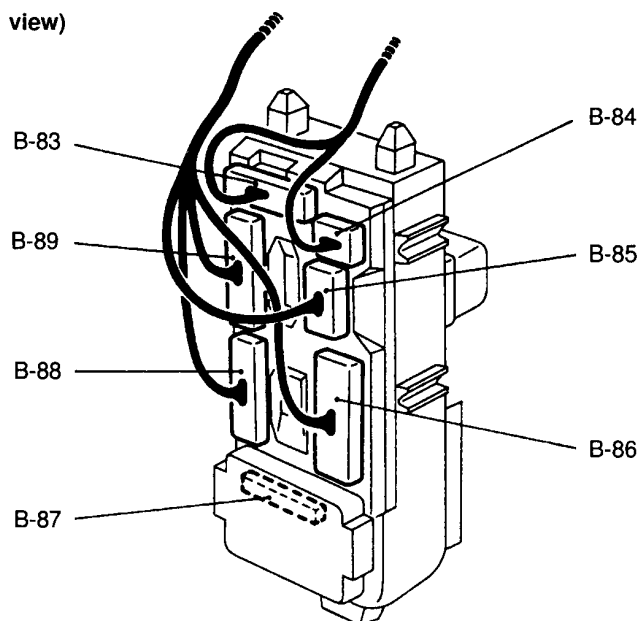
J/B

(Front view)



36U0007

(Rear view)



36U0009

00003491

B-83 (20)  
B-84 (2)  
B-85 (3)  
B-86 (18)

J/B and front wiring harness combination  
J/B and front wiring harness combination  
J/B and body wiring harness combination  
J/B and body wiring harness combination

B-87 (10)  
B-88 (22)  
B-89 (22)  
B-90 (8)

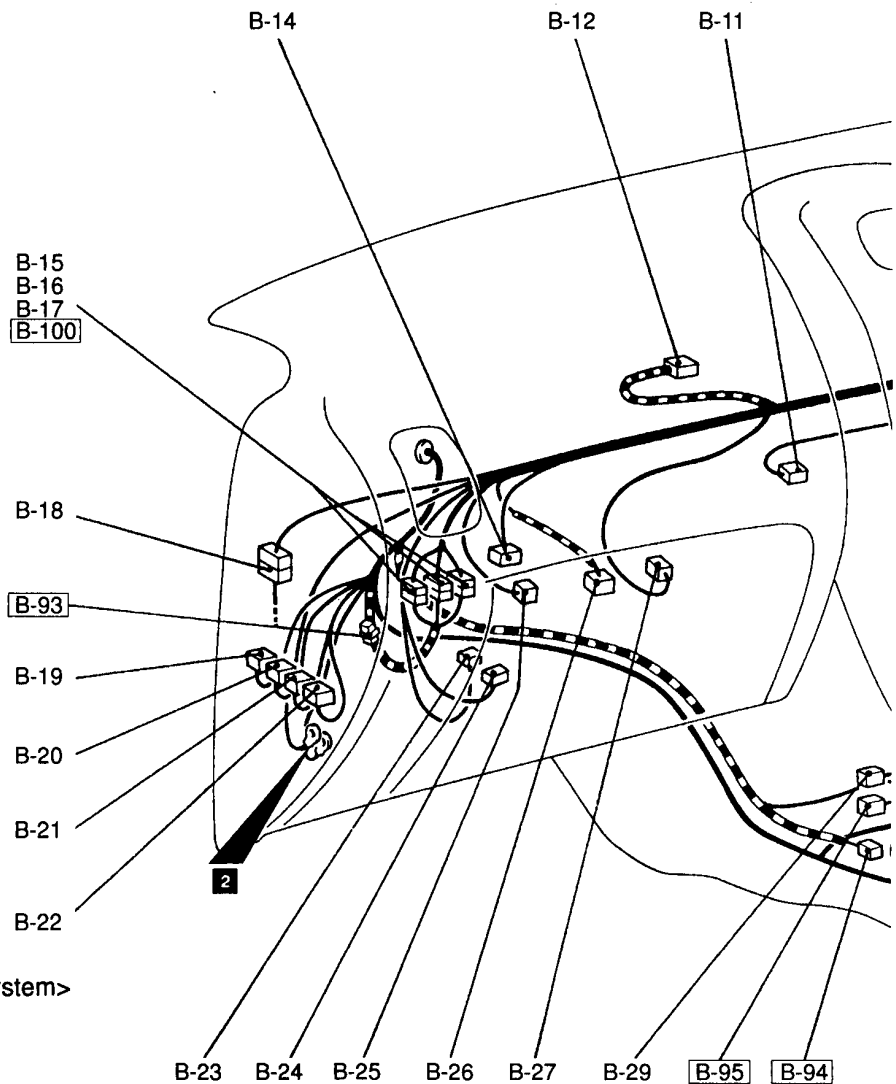
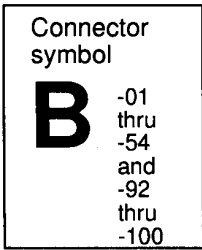
Buzzer-ECU  
J/B and body wiring harness combination  
J/B and body wiring harness combination  
No connection



DASH PANEL

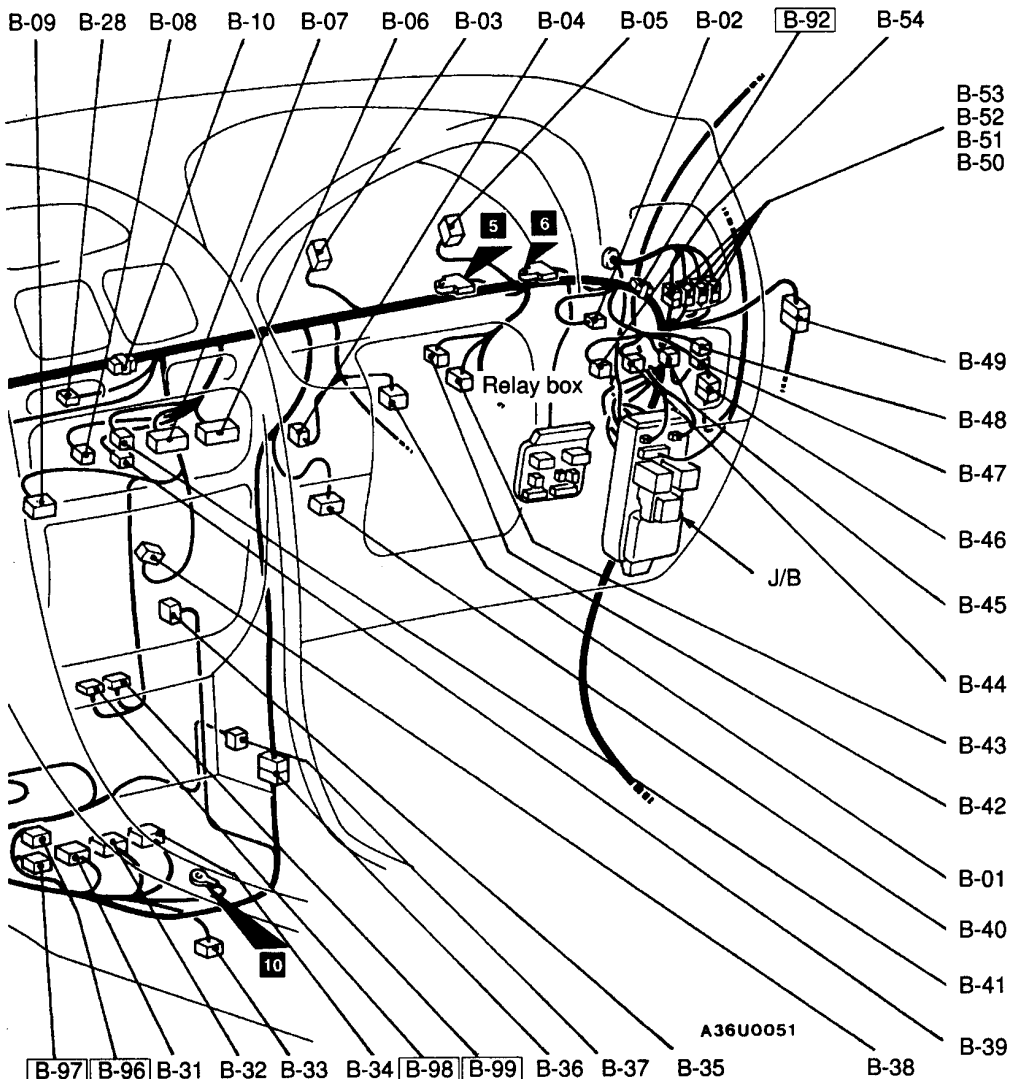
80100060316

R.H. drive vehicles



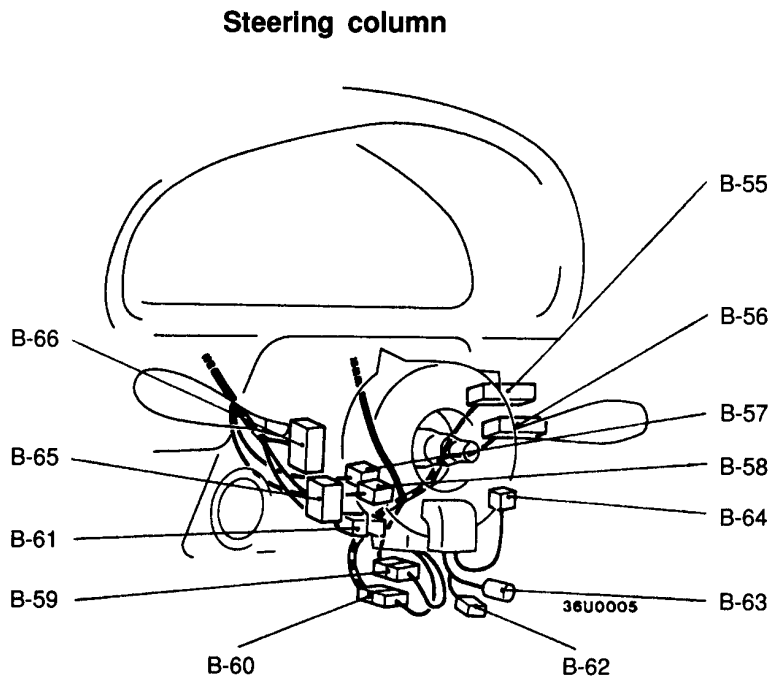
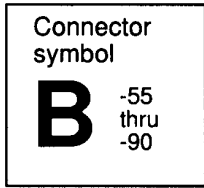
- B-01 (2) Clutch switch  
<Auto-cruise control system>
- B-02 (16-B) Immobilizer-ECU
- B-03 (25) Combination meter
- B-04 (6) No connection
- B-05 (25) Combination meter
- B-06 (16-B) No connection
- B-07 (20-B) No connection
- B-08 (2) Blower control illumination lamp  
<Heater and manual A/C>
- B-09 (14) Radio and tape player
- B-10 (2) No connection
- B-11 (2) No connection
- B-12 (2-R) Air bag module (squib) (passenger's side)
- B-14 (6) No connection
- B-15 (4) Control wiring harness and body wiring harness combination <Petrol>
- B-16 (18) Control wiring harness and body wiring harness combination
- B-17 (22) Control wiring harness and body wiring harness combination <TCL or auto-cruise control system>
- B-18 (20) Front door wiring harness (passenger's side) and body wiring harness combination

- B-19 (26-Y) Engine-ECU <Petrol>
- B-20 (16-Y) Engine-ECU <Petrol>
- B-21 (12-Y) Engine-ECU <Petrol>
- B-22 (22-Y) Engine-ECU <Petrol>
- B-23 (4) No connection
- B-24 (2) Blower motor
- B-25 (12) Automatic compressor ECU  
<Manual A/C>
- B-26 (4) Resistor <Heater or manual A/C>
- B-27 (4) No connection
- B-28 (2-B) Air thermo sensor <Manual A/C>
- B-29 (4) A/T relay
- B-31 (22-L) ELC-4A/T-ECU
- B-32 (16-L) ELC-4A/T-ECU
- B-33 (4) Oxygen sensor
- B-34 (26-L) ELC-4A/T-ECU
- B-35 (18) Auto-cruise ECU
- B-36 (14) Control wiring harness and body wiring harness combination <A/T>

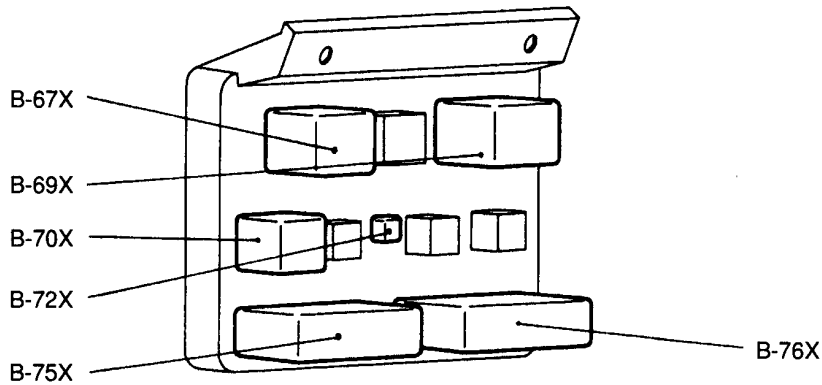


- |              |  |              |   |
|--------------|--|--------------|---|
| B-37 (2-B)   | Kickdown switch <A/T>  | B-51 (1)     | Front wiring harness and body wiring harness combination            |
| B-38 (6)     | No connection  | B-52 (18)    | Front wiring harness and body wiring harness combination            |
| B-39 (6)     | A/C switch <Manual A/C>  | B-53 (10-B)  | Front wiring harness and body wiring harness combination            |
| B-40 (8)     | Blower switch <Heater or manual A/C>   | B-54 (3)     | Rheostat or jumper connector  |
| B-41 (16-B)  | Diagnosis connector  | B-92 (2)     | Diode <Theft-alarm system>  |
| B-42 (3-B)   | Stop lamp switch <Vehicles without auto-cruise control system> or no connection <Vehicles with auto-cruise control system> | B-93 (2)     | Diode <Diesel>  |
| B-43 (4-BR)  | Stop lamp switch <Vehicles with auto-cruise control system>  | B-94 (4)     | Ignition relay <Diesel>   |
| B-44 (12)    | Remote controlled mirror switch  | B-95 (25)    | Engine-ECU <Diesel>   |
| B-45 (6)     | Headlamp leveling switch   | B-96 (4)     | Engine control relay <Petrol>                                       |
| B-46 (10)    | Instrument panel wiring harness and body wiring harness combination  | B-97 (4)     | Fuel pump relay <Petrol>  |
| B-47 (4)     | Rear fog lamp switch   | B-98 (16-DG) | Keyless entry receiver ECU  |
| B-48 (6)     | Front fog lamp switch  | B-99 (22-DG) | Keyless entry receiver ECU  |
| B-49 (32-B)  | Front door wiring harness (driver's side) and body wiring harness combination  | B-100 (2)    | Control wiring harness and body wiring harness combination <Diesel> |
| B-50 (22-GR) | Front wiring harness and body wiring harness combination   |              |   |
- Remark**  
Connector numbers enclosed by a frame  are newly added connectors.

R.H. drive vehicles



Relay box in passenger compartment



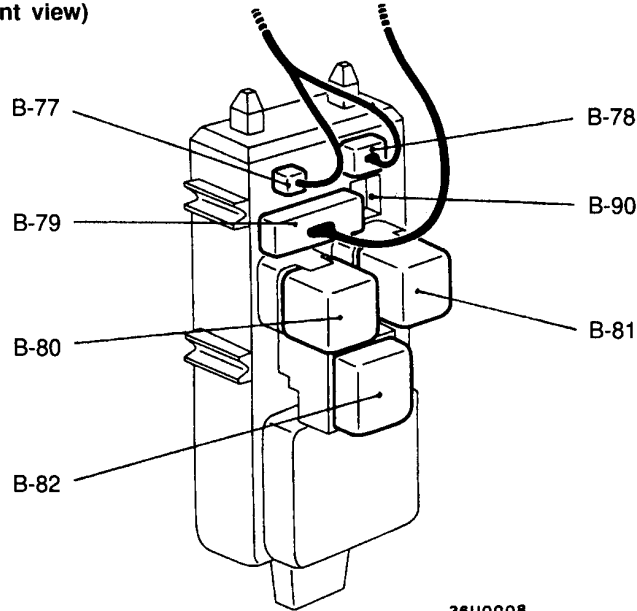
36U0006

00003492

B-55 (12)	Column switch	B-69X (7)	Rear intermittent wiper relay
B-56 (7)	Slip ring <Auto-cruise control system (without SRS)>	B-70X (5)	Rear fog lamp relay
B-57 (2)	Ignition key ring antenna	B-72X (3)	Diode
B-58 (6)	Ignition switch	B-75X (33)	J/C (1)
B-59 (3)	Clock spring <SRS>	B-76X (33)	J/C (2)
B-60 (2-R)	Clock spring <SRS>	B-77 (2)	J/B and roof wiring harness combination <Sunroof>
B-61 (5)	Steering wheel sensor <TCL>	B-78 (6)	J/B and roof wiring harness combination
B-62 (2)	Auto-cruise control switch <SRS>	B-79 (18)	J/B and instrument panel wiring harness combination
B-63 (1)	Horn switch <SRS>	B-80 (5)	Blower relay
B-64 (2)	Air bag module (squib) (driver's side)	B-81 (5)	Defogger relay
B-65 (10)	Column switch	B-82 (5)	Turn-signal and hazard warning flasher unit
B-66 (6)	Column switch		
B-67X (9)	Door lock ECU <Vehicles without theft-alarm system>		

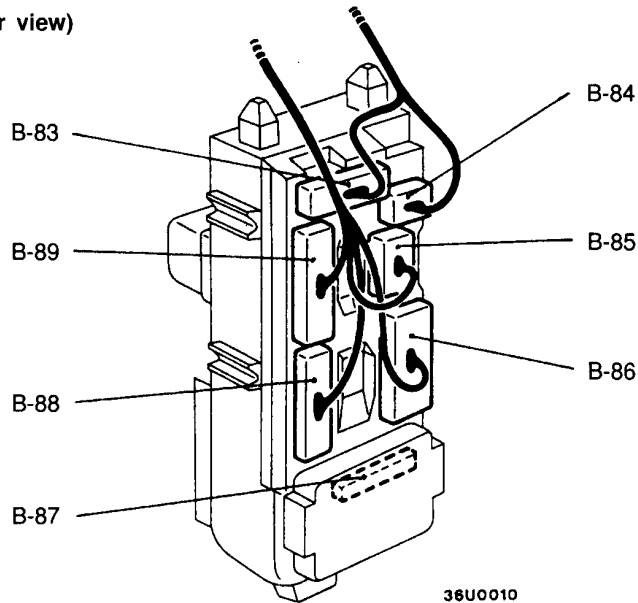
J/B

(Front view)



36U0008

(Rear view)



36U0010

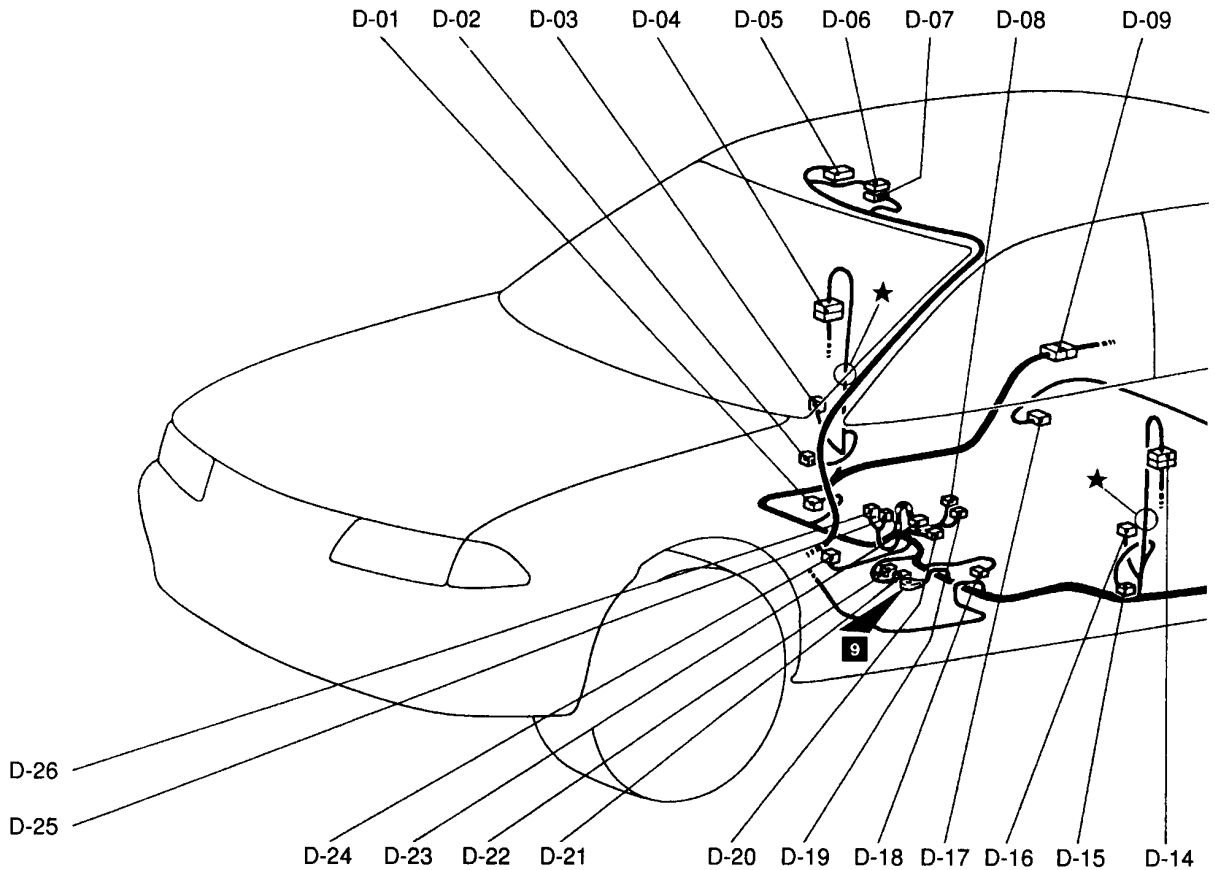
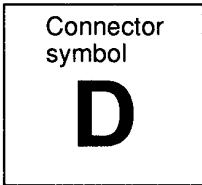
00003493

B-83 (20)	J/B and front wiring harness combination	B-87 (10)	Buzzer-ECU
B-84 (2)	J/B and front wiring harness combination	B-88 (22)	J/B and body wiring harness combination
B-85 (3)	J/B and body wiring harness combination	B-89 (22)	J/B and body wiring harness combination
B-86 (18)	J/B and body wiring harness combination	B-90 (8)	No connection

FLOOR AND ROOF

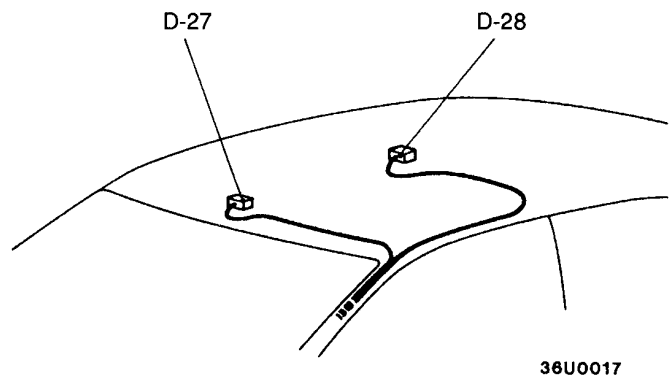
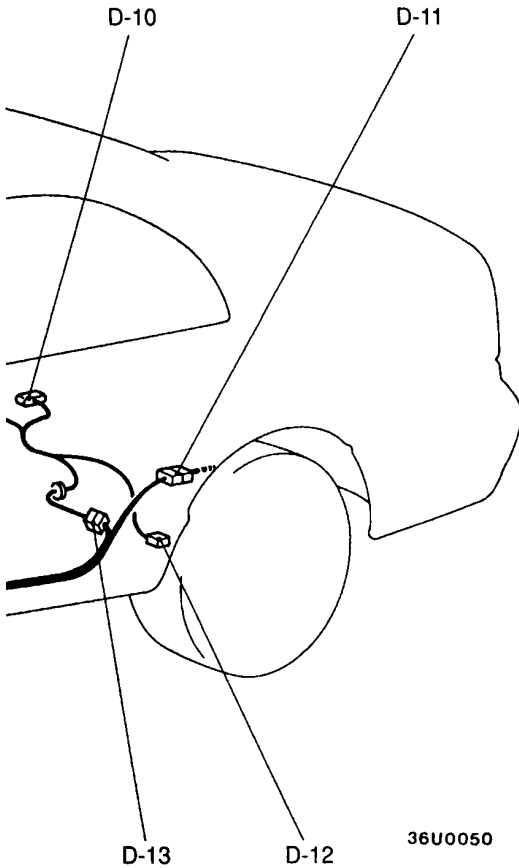
80100090292

L.H. drive vehicles



- |            |   |            |  |
|------------|---|------------|--|
| D-01 (3-B) | Heated seat (RH)  | D-08 (6)   | TCL switch   |
| D-02 (1-B) | Front door switch (passenger's side)                              | D-09 (6)   | Rear wiring harness and body wiring harness combination      |
| D-03 (2-R) | Seat belt pretensioner (passenger's side) <SRS>                   | D-10 (5-B) | Fuel pump and gauge unit assembly                            |
| D-04 (8)   | Rear door wiring harness (RH) and body wiring harness combination | D-11 (22)  | Rear wiring harness and body wiring harness combination      |
| D-05 (10)  | Sunroof ECU   | D-12 (2-B) | Rear speed sensor (LH) <ABS>                                 |
| D-06 (2)   | Sunroof motor   | D-13 (10)  | Fuel pump wiring harness and body wiring harness combination |
| D-07 (8)   | Room lamp and sunroof switch <with sunroof>                       |            |  |

<Vehicles without sunroof>



- D-14 (8) Rear door wiring harness (LH) and body wiring harness combination
- D-15 (2-R) Seat belt pretensioner (driver's side) <SRS>
- D-16 (2) Front door switch (driver's side)
- D-17 (2-B) Rear speed sensor (RH) <ABS>
- D-18 (3-B) Heated seat (LH)
- D-19 (6) Hold switch <A/T>
- D-20 (1-B) Parking brake switch

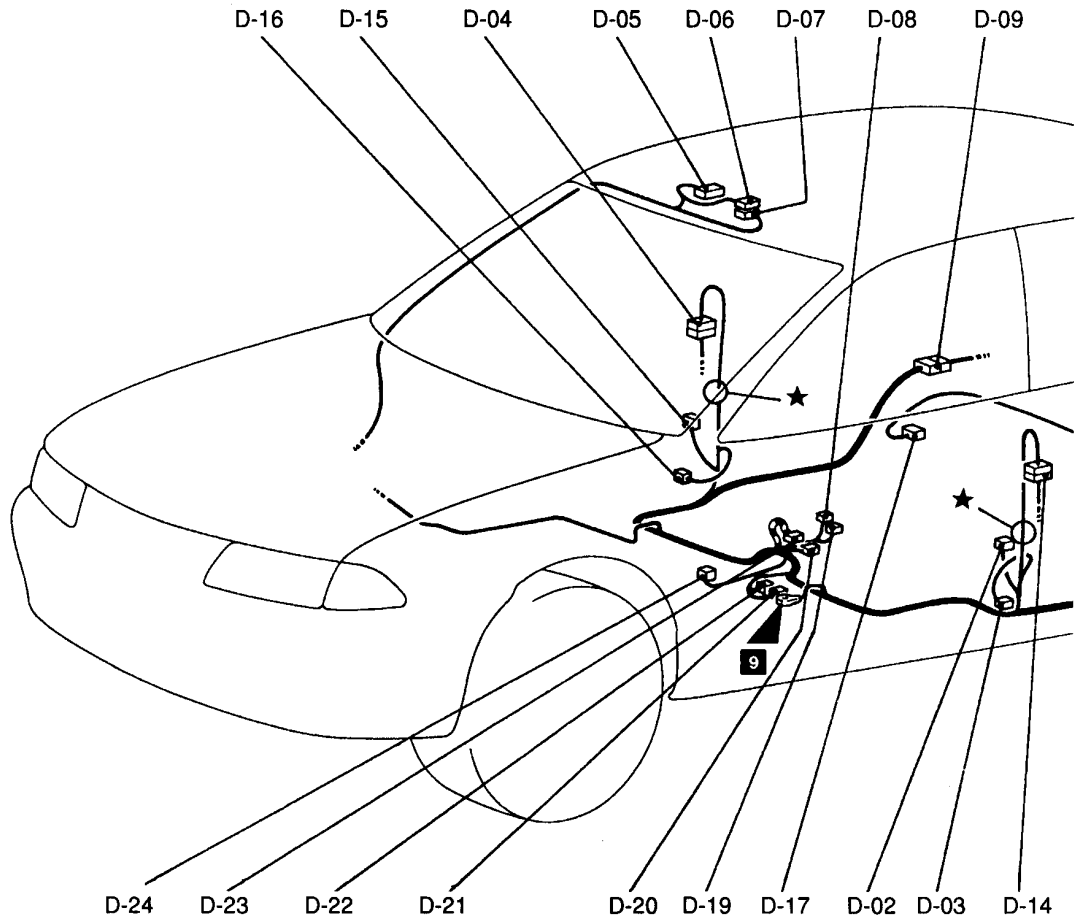
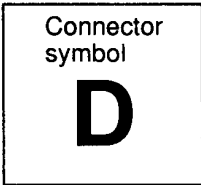
- D-21 (22-DG) TCL-ECU
- D-22 (12-DG) TCL-ECU
- D-23 (20-O) SRS-ECU
- D-24 (2) Shift indicator illumination lamp <A/T>
- D-25 (6-B) Heated seat switch (LH)
- D-26 (6) Heated seat switch (RH)
- D-27 (1) Map lamp <without sunroof>
- D-28 (2) Room lamp <without sunroof>

00005229

FLOOR AND ROOF

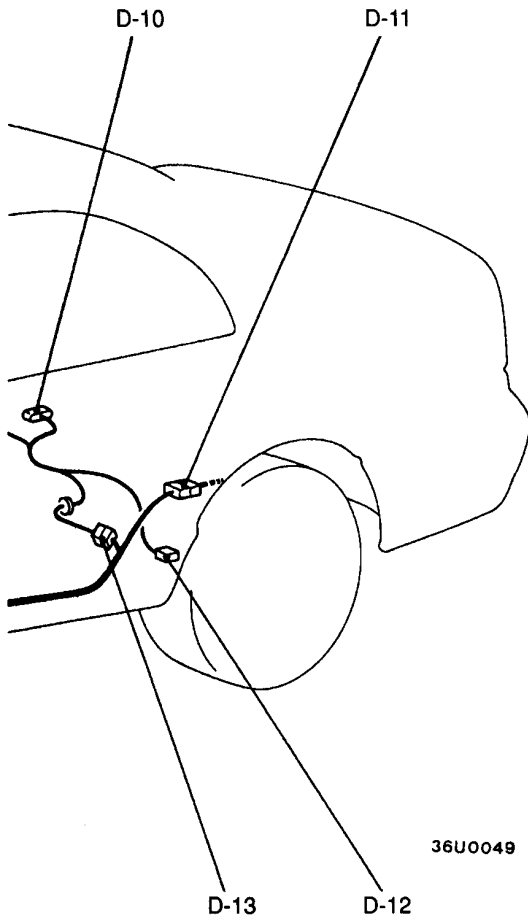
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R.H. drive vehicles

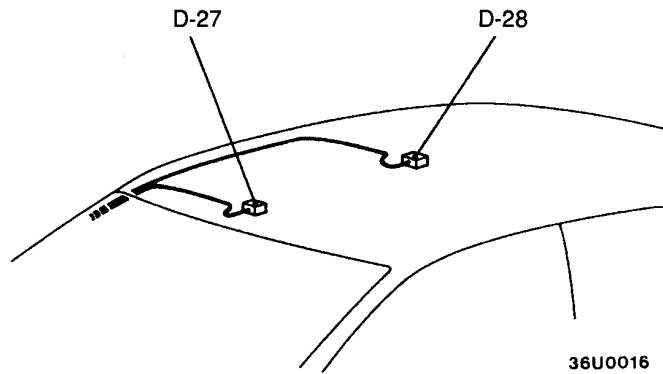


- |            |   |            |  |
|------------|---|------------|--|
| D-02 (1-B) | Front door switch (passenger's side)                              | D-08 (6)   | TCL switch   |
| D-03 (2-R) | Seat belt pretensioner (passenger's side) <SRS>                   | D-09 (6)   | Rear wiring harness and body wiring harness combination      |
| D-04 (8)   | Rear door wiring harness (RH) and body wiring harness combination | D-10 (5-B) | Fuel pump and gauge unit assembly                            |
| D-05 (10)  | Sunroof ECU   | D-11 (22)  | Rear wiring harness and body wiring harness combination      |
| D-06 (2)   | Sunroof motor   | D-12 (2-B) | Rear speed sensor (LH) <ABS>                                 |
| D-07 (8)   | Room lamp and sunroof switch <with sunroof>                       | D-13 (10)  | Fuel pump wiring harness and body wiring harness combination |

<Vehicles without sunroof>



36U0049



36U0016

00005230

- D-14 (8) Rear door wiring harness (LH) and body wiring harness combination
- D-15 (2-R) Seat belt pretensioner (driver's side) <SRS>
- D-16 (2) Front door switch (driver's side)
- D-17 (2-B) Rear speed sensor (RH) <ABS>
- D-19 (6) Hold switch <A/T>

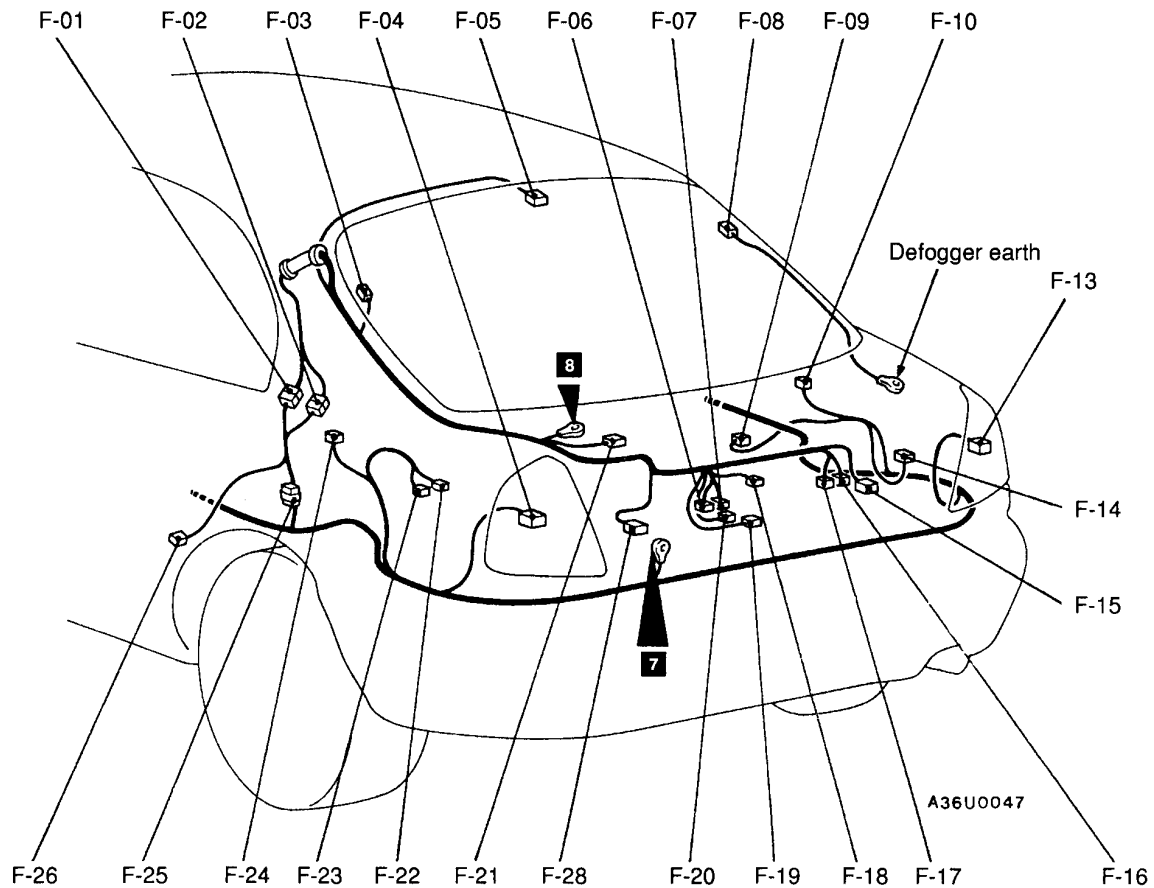
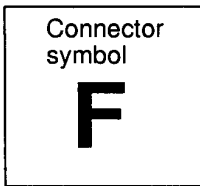
- D-20 (1-B) Parking brake switch
- D-21 (22-DG) TCL-ECU
- D-22 (12-DG) TCL-ECU
- D-23 (20-O) SRS-ECU
- D-24 (2) Shift indicator illumination lamp <A/T>
- D-27 (1) Map lamp <without sunroof>
- D-28 (2) Room lamp <without sunroof>



## LUGGAGE COMPARTMENT

80100150259

## Hatchback

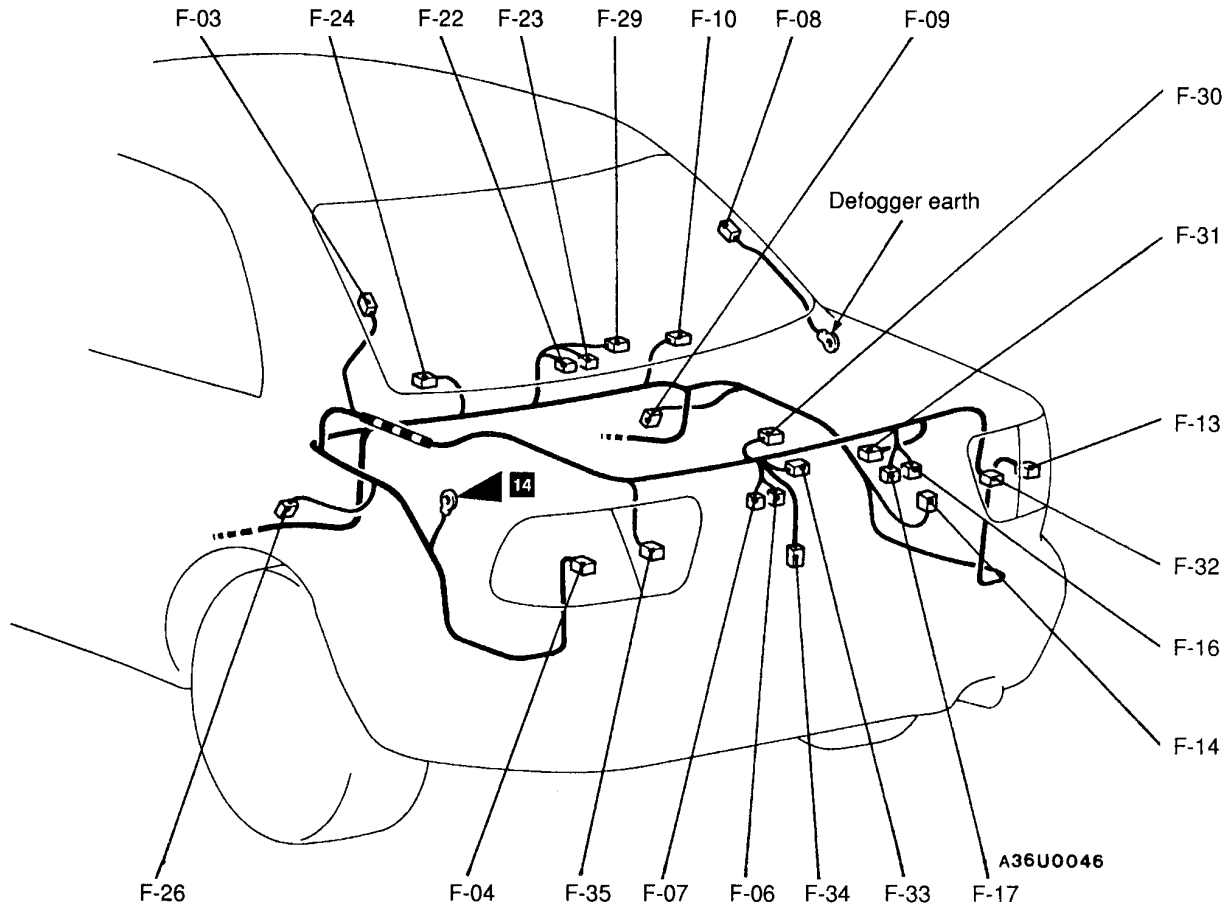
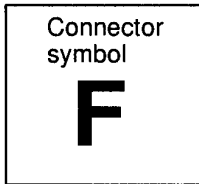


F-01 (8)	Tailgate wiring harness and rear wiring harness combination	F-15 (2-B)	Rear fog lamp (RH)
F-02 (4)	Tailgate wiring harness and rear wiring harness combination	F-16 (1-B)	Licence plate lamp (RH)
F-03 (1-B)	Defogger (+)	F-17 (1-B)	Licence plate lamp (RH)
F-04 (8-B)	Rear combination lamp (LH)	F-18 (3-B)	Tailgate lock key cylinder switch
F-05 (2)	High mounted stop lamp (Tailgate)	F-19 (2)	Tailgate lock actuator
F-06 (1-B)	Licence plate lamp (LH)	F-20 (1-B)	Tailgate switch
F-07 (1-B)	Licence plate lamp (LH)	F-21 (3)	Rear wiper motor
F-08 (1-B)	Defogger (-)	F-22 (1-B)	Luggage compartment lamp
F-09 (1-B)	Rear door switch (RH)	F-23 (1-B)	Luggage compartment lamp
F-10 (2-B)	Rear speaker (RH)	F-24 (2-B)	Rear speaker (LH)
F-13 (8-B)	Rear combination lamp (RH)	F-25 (2)	Diode (Room lamp circuit)
F-14 (6)	Motor antenna assembly	F-26 (1-B)	Rear door switch (LH)
		F-28 (2-B)	Rear fog lamp (LH)

LUGGAGE COMPARTMENT

80100150266

Sedan



- |            |                            |            |                                       |
|------------|----------------------------|------------|---------------------------------------|
| F-03 (1-B) | Defogger (+)               | F-22 (1-B) | Luggage compartment lamp              |
| F-04 (6-B) | Rear combination lamp (LH) | F-23 (1-B) | Luggage compartment lamp              |
| F-06 (1-B) | Licence plate lamp (LH)    | F-24 (2-B) | Rear speaker (LH)                     |
| F-07 (1-B) | Licence plate lamp (LH)    | F-26 (1-B) | Rear door switch (LH)                 |
| F-08 (1-B) | Defogger (-)               | F-29 (2)   | High mounted stop lamp (Rear shelf)   |
| F-09 (1-B) | Rear door switch (RH)      | F-30 (2)   | High mounted stop lamp (Rear spoiler) |
| F-10 (2-B) | Rear speaker (RH)          | F-31 (2)   | Trunk lid lock actuator               |
| F-13 (6-B) | Rear combination lamp (RH) | F-32 (4-B) | Rear lid lamp (RH)                    |
| F-14 (6)   | Motor antenna assembly     | F-33 (3-B) | Trunk lid lock key cylinder switch    |
| F-16 (1-B) | Licence plate lamp (RH)    | F-34 (1-B) | Luggage compartment lamp switch       |
| F-17 (1-B) | Licence plate lamp (RH)    | F-35 (4-B) | Rear lid lamp (LH)                    |

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# SINGLE PART INSTALLATION POSITION

## CONTENTS

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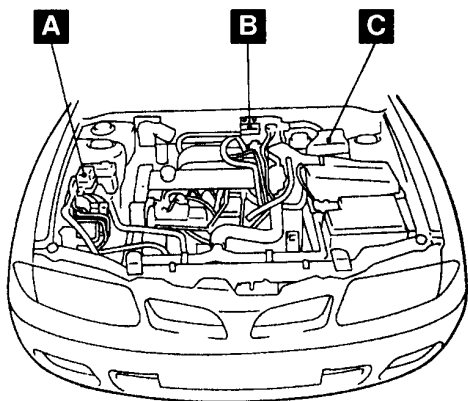
RELAY .....	3-2	DIODE .....	3-7
ECU .....	3-3	INSPECTION CONNECTOR .....	3-8
SENSOR .....	3-4	FUSIBLE LINK .....	3-9
SOLENOID VALVE .....	3-6	EARTH .....	3-10

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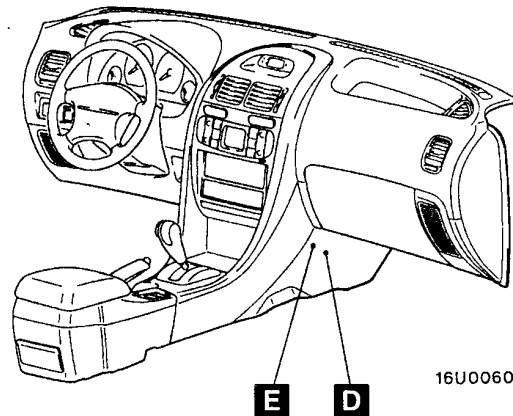
RELAY

70100040182

Name	Symbol	Name	Symbol
Engine control relay <Petrol>	E	Glow relay <Diesel>	B
Fuel line line heater relay <Diesel>	C	Ignition relay <Diesel>	D
Fuel pump relay <Petrol>	E	Radiator fan relay (HI) <Diesel>	A

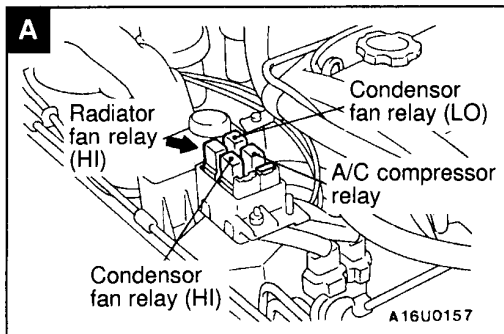


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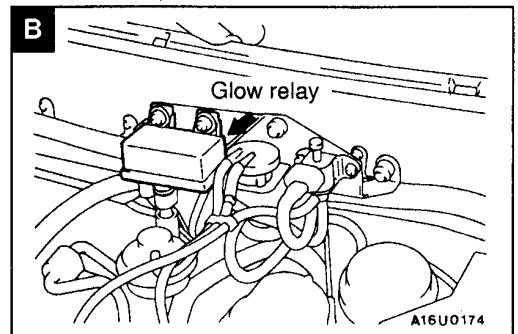


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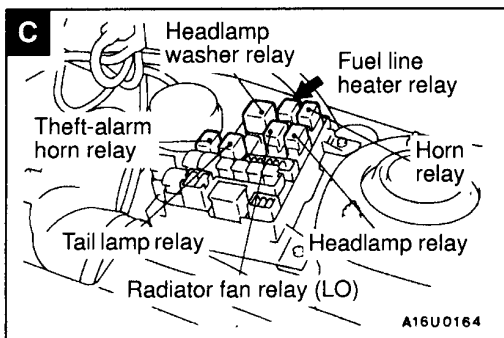
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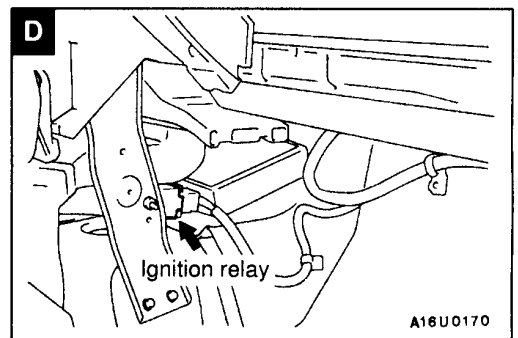
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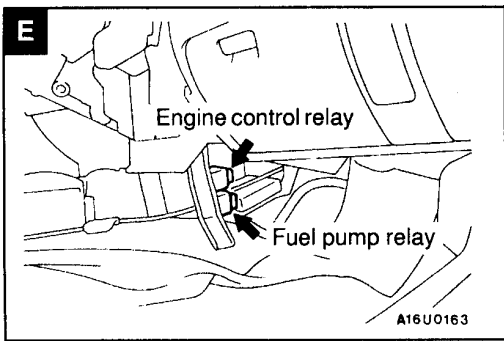
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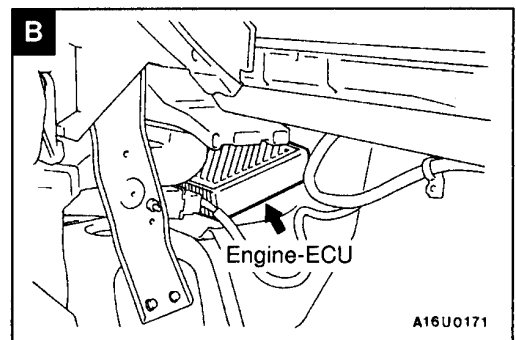
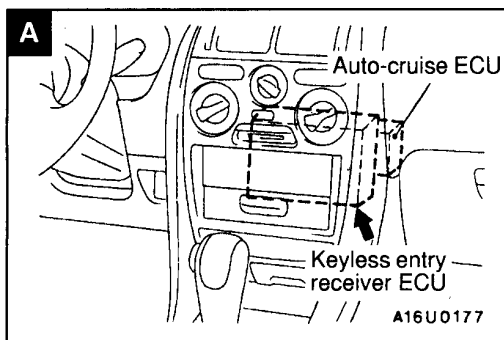
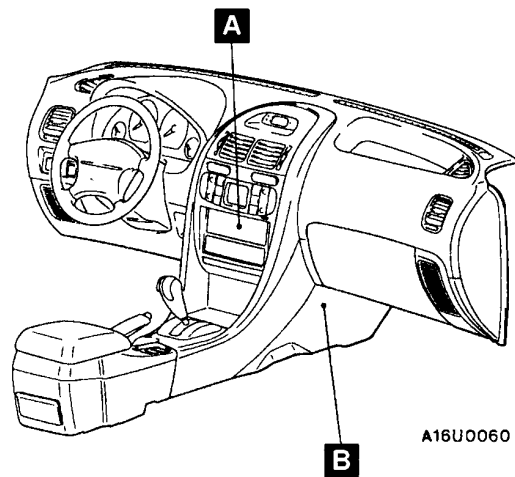
A16U0170



**ECU**

70100050093

Name	Symbol	Name	Symbol
Engine-ECU <Diesel>	B	Keyless entry receiver ECU	A

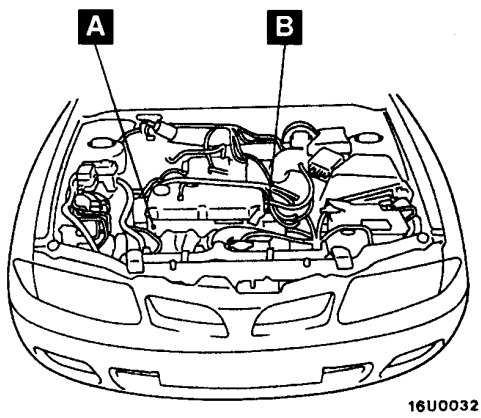


**SENSOR**

70100060188

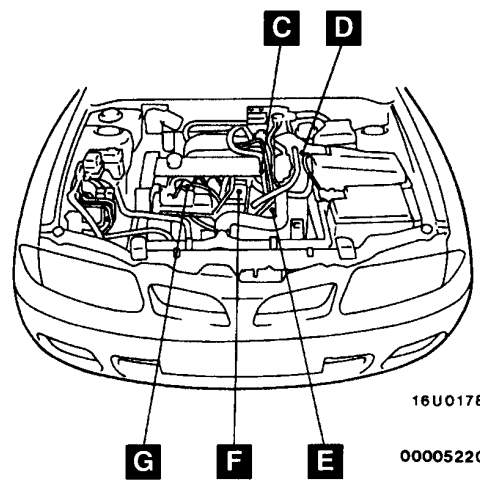
Name	Symbol	Name	Symbol
Air temperature sensor <Diesel>	D	Lever position sensor <Diesel>	G
Camshaft position sensor <Petrol>	B	Needle lift sensor <Diesel>	F
Crank angle sensor <MPI-SOHC>	A		
Engine coolant temperature sensor <Diesel>	C	Top dead center and engine speed sensor <Diesel>	E

<MPI-SOHC>



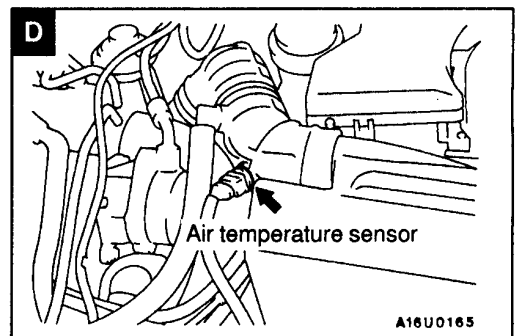
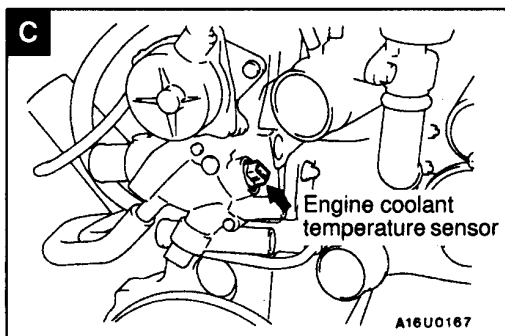
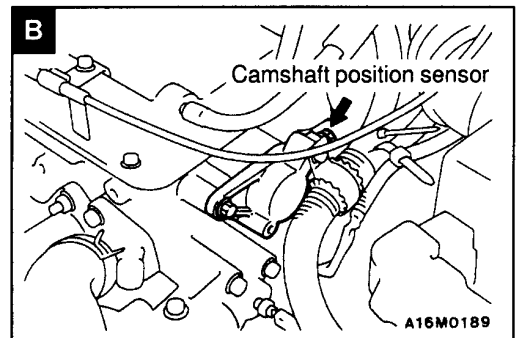
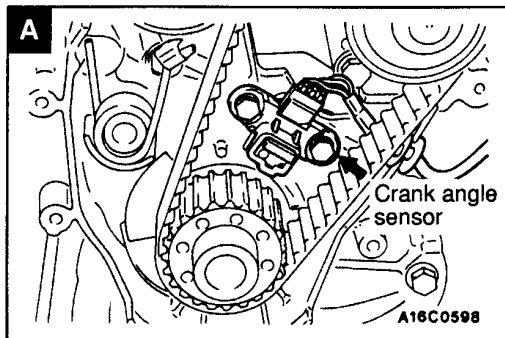
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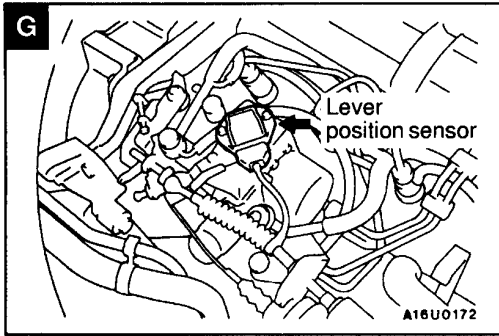
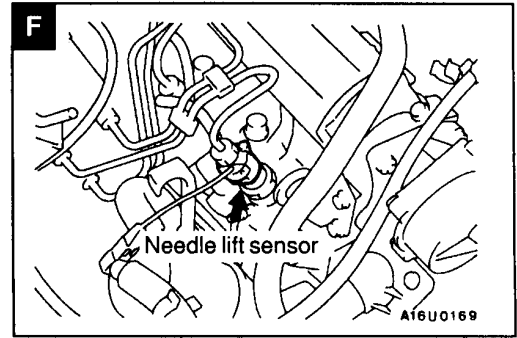
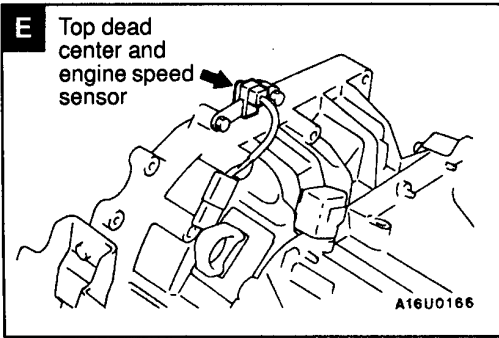
<Diesel>



16U0178

00005220

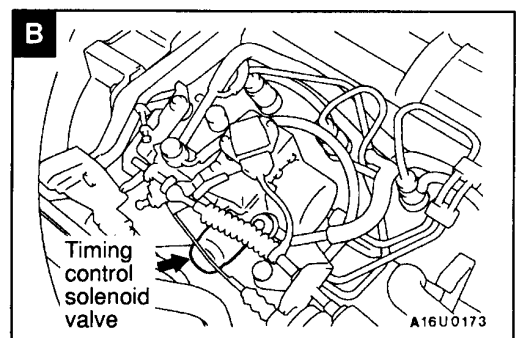
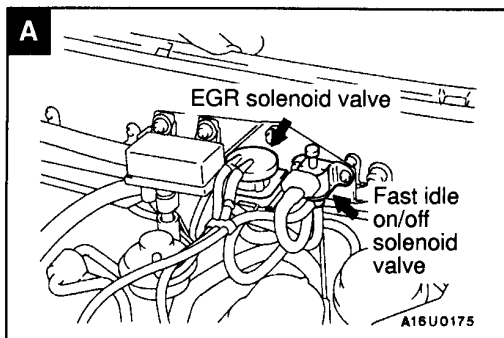
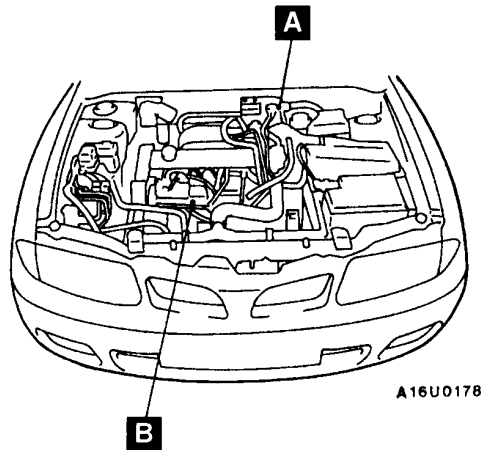




**SOLENOID VALVE**

70100080153

Name	Symbol	Name	Symbol
EGR solenoid valve <Diesel>	A	Timing control solenoid valve <Diesel>	B
Fast idle on/off solenoid valve <Diesel>	A		

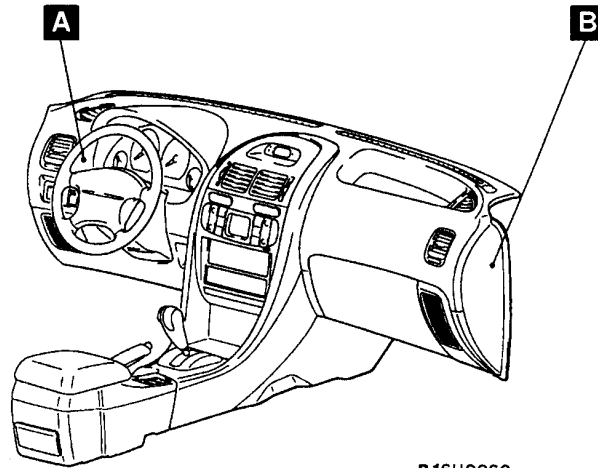




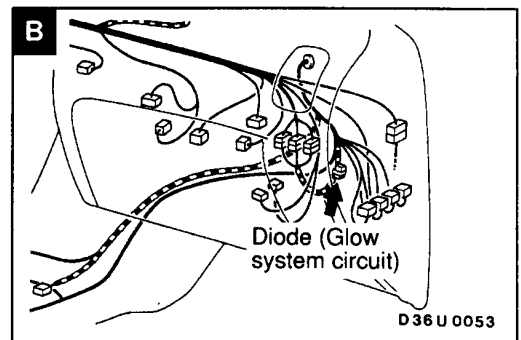
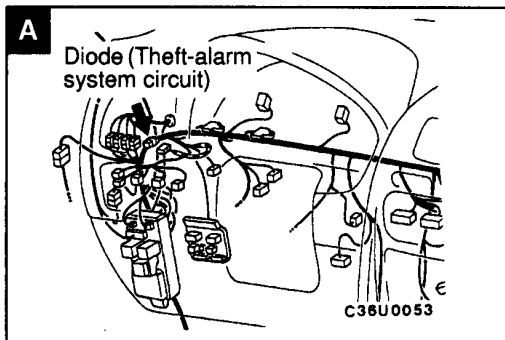
**DIODE**

70100090187

Name	Symbol	Name	Symbol
Diode (Glow system circuit) <Diesel>	B	Diode (Theft-alarm system circuit)	A



B 16U0060

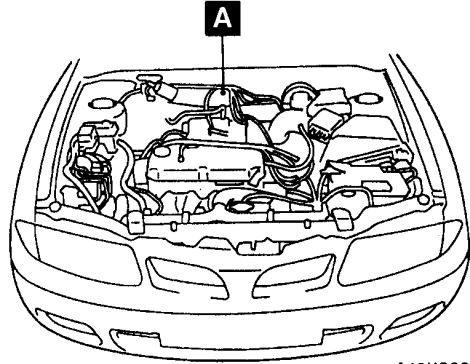


### 3-8 SINGLE PART INSTALLATION POSITION – Inspection connector

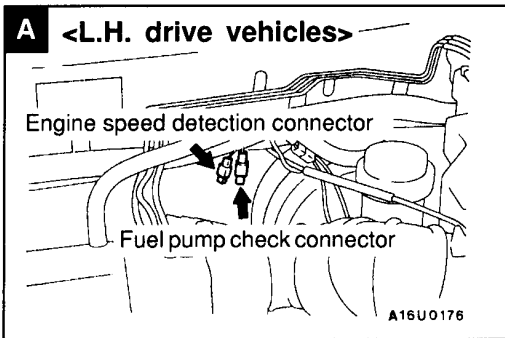
## INSPECTION CONNECTOR

70100020155

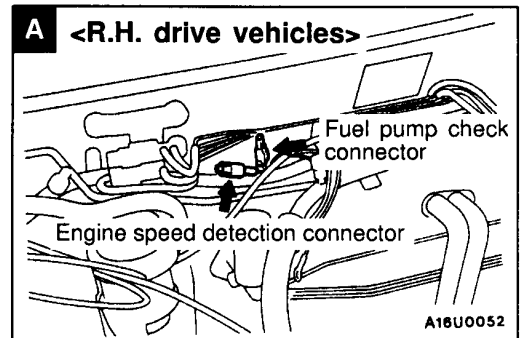
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Engine speed detection connector <Petrol>	A	Fuel pump check connector <Petrol>	A



A16U0032



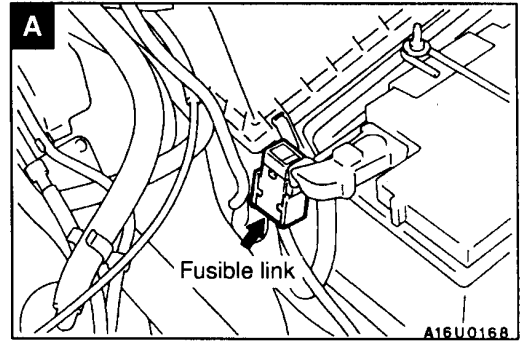
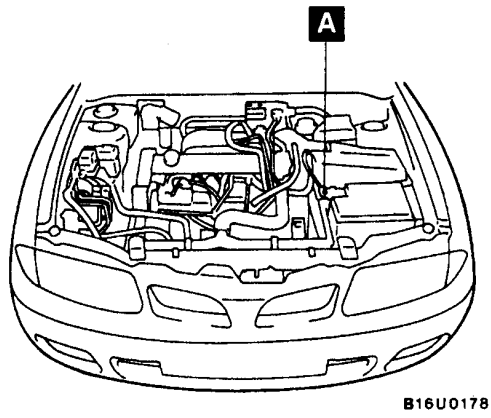
A16U0176



A16U0052

FUSIBLE LINK

70100010152

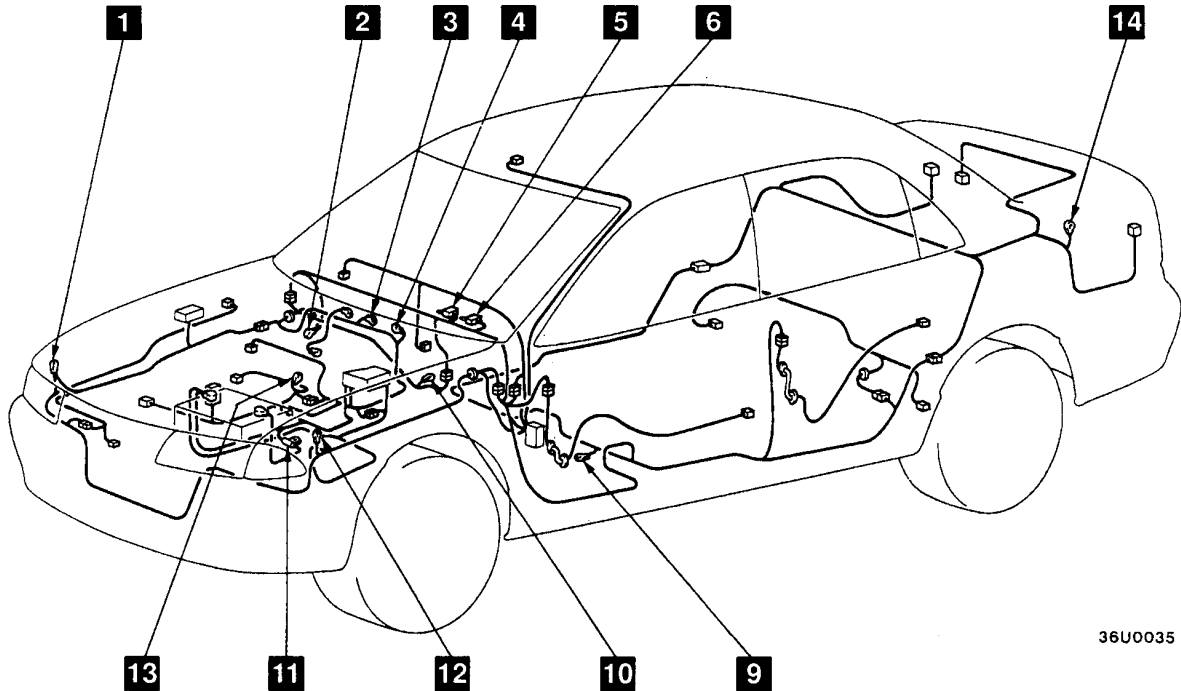


**EARTH**

70100030196

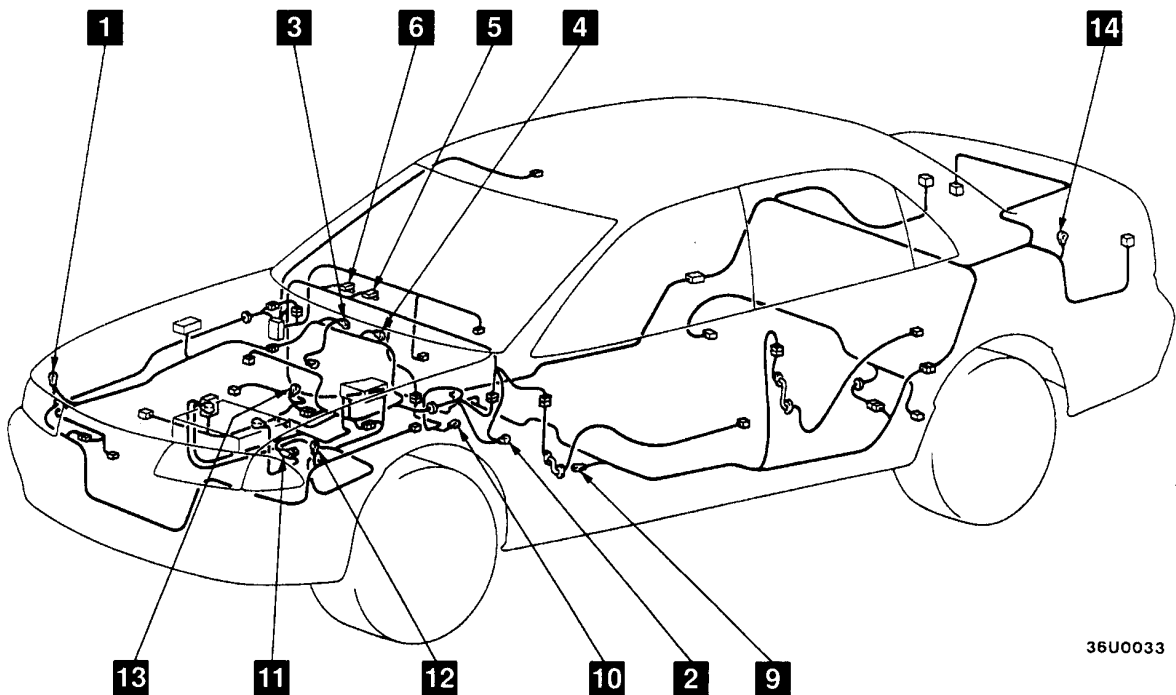
Sedan

<L.H. drive vehicles>



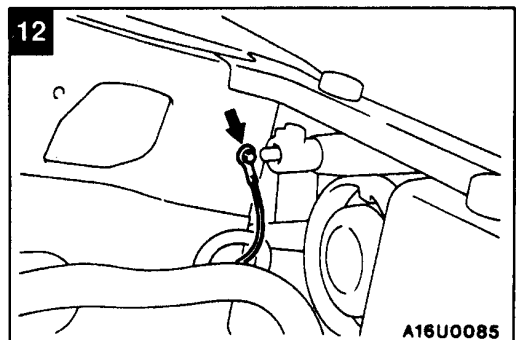
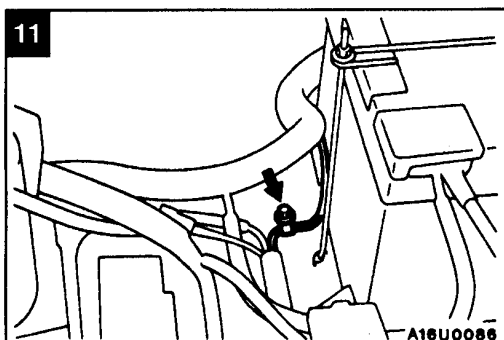
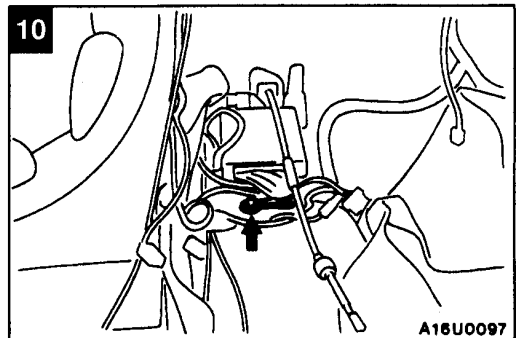
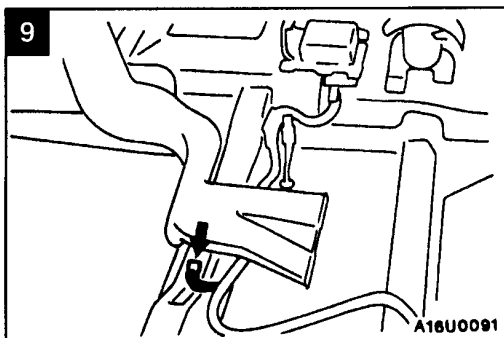
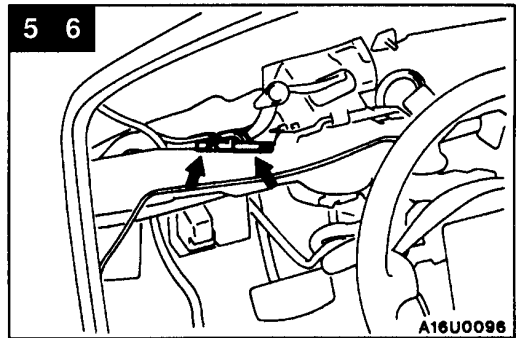
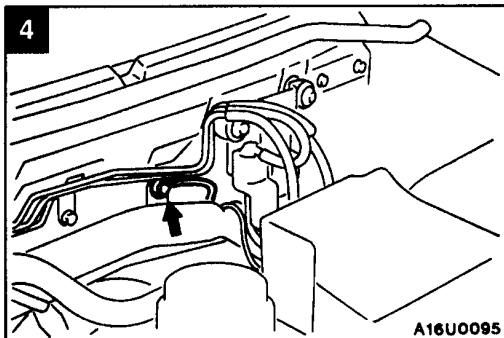
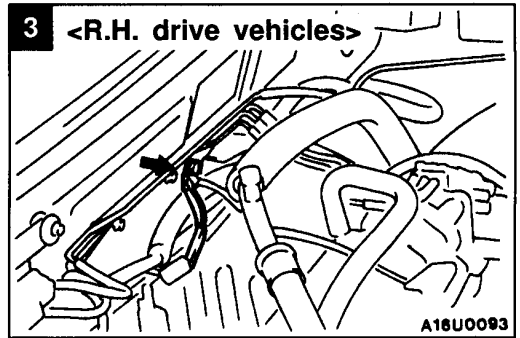
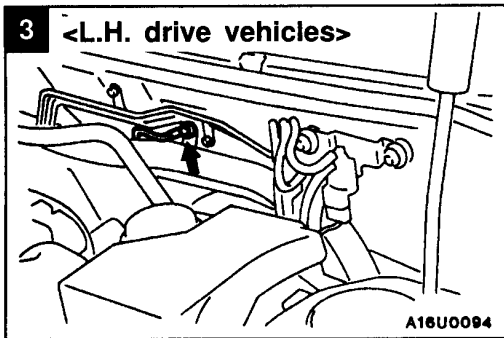
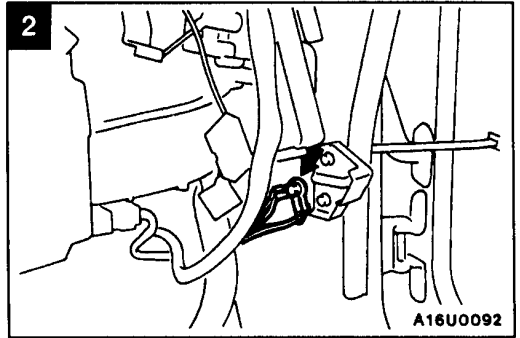
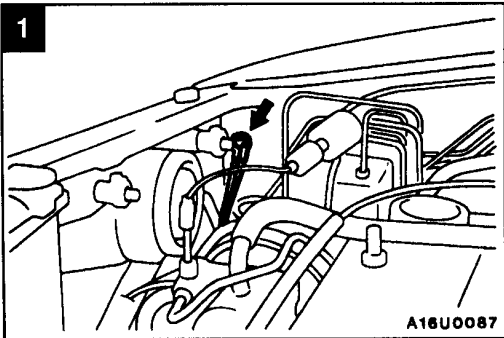
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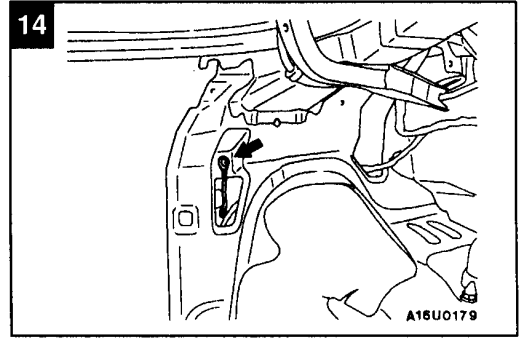
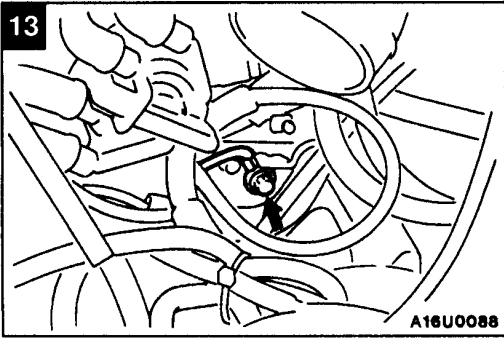
<R.H. drive vehicles>



36U0033

00005221





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# CIRCUIT DIAGRAM

## CONTENTS

90109000141

<b>CENTRALIZED JUNCTION</b> .....	4-3	<b>TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP, AND LIGHTING MONITOR BUZZER</b>	
<b>POWER DISTRIBUTION SYSTEM</b>		Vehicles without daytime running lamp .....	4-72
Vehicles without daytime running lamp .....	4-8	Vehicles with daytime running lamp .....	4-76
Vehicles with daytime running lamp .....	4-14	<b>FRONT FOG LAMP</b>	
<b>STARTING SYSTEM</b>		Vehicles without daytime running lamp .....	4-80
Diesel-powered vehicles .....	4-20	Vehicles with daytime running lamp .....	4-82
<b>IGNITION SYSTEM</b>		<b>REAR FOG LAMP</b>	
MPI-SOHC .....	4-21	Vehicles without daytime running lamp <Sedan> .....	4-85
MPI-DOHC .....	4-22	Vehicles with daytime running lamp <Sedan> .....	4-88
<b>CHARGING SYSTEM</b>		<b>ROOM LAMP, MAP LAMP, AND LUGGAGE COMPARTMENT LAMP</b>	
Diesel-powered vehicles .....	4-23	Sedan .....	4-92
<b>GLOW SYSTEM</b> .....	4-24	<b>TURN-SIGNAL LAMP AND HAZARD WARNING LAMP</b>	
<b>MPI SYSTEM</b>		Sedan .....	4-94
MPI-SOHC <Vehicles without TCL> .....	4-28	<b>STOP LAMP</b>	
MPI-SOHC <Vehicles with TCL> .....	4-36	Sedan .....	4-98
MPI-DOHC .....	4-46	<b>BACK-UP LAMP</b> .....	4-100
<b>COOLING SYSTEM</b>		<b>METER AND GAUGE</b>	
Diesel-powered vehicles .....	4-54	Petrol-powered vehicles .....	4-102
<b>ELC 4-SPEED AUTOMATIC TRANSMISSION</b> .....	4-56	Diesel-powered vehicles .....	4-104
<b>HEADLAMP</b>			
Vehicles without daytime running lamp .....	4-67		
Vehicles with daytime running lamp .....	4-68		

---

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<b>OIL PRESSURE WARNING LAMP</b>		<b>HEADLAMP WASHER</b> .....	<b>4-129</b>
Diesel-powered vehicles .....	4-106	<b>DEFOGGER AND DOOR MIRROR HEATER</b>	
<b>OVER HEATING WARNING LAMP</b>		L.H. drive vehicles <Sedan> .....	4-130
Diesel-powered vehicles .....	4-106	R.H. drive vehicles <Sedan> .....	4-132
<b>FUEL WARNING LAMP</b>		<b>RADIO AND TAPE PLAYER (VEHICLE</b>	
Diesel-powered vehicles .....	4-107	<b>HARNES WITHOUT RADIO AND TAPE</b>	
<b>BRAKE WARNING LAMP</b>		<b>PLAYER COMPONENT)</b> .....	<b>4-134</b>
Diesel-powered vehicles .....	4-107	<b>RADIO AND TAPE PLAYER</b> .....	<b>4-136</b>
<b>CENTRAL DOOR LOCKING SYSTEM</b>		<b>TRACTION CONTROL SYSTEM</b>	
Vehicles without theft-alarm system		<b>(TCL)</b> .....	<b>4-138</b>
<Sedan> .....	4-108	<b>THEFT-ALARM SYSTEM</b>	
Vehicles with theft-alarm system		Hatchback .....	4-144
<Hatchback> .....	4-110	Sedan .....	4-148
Vehicles with theft-alarm system		<b>IMMOBILIZER SYSTEM</b>	
<Sedan> .....	4-113	Diesel-powered vehicles .....	4-152
<b>MANUAL AIR CONDITIONER</b>		<b>FUEL LINE HEATER</b> .....	<b>4-154</b>
Diesel-powered vehicles .....	4-116		
<b>FULL-AUTO CONDITIONER AND AIR</b>			
<b>PURIFIER</b>			
Diesel-powered vehicles .....	4-122		

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**CENTRALIZED JUNCTION**

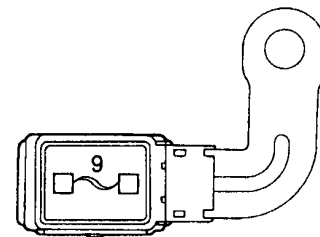
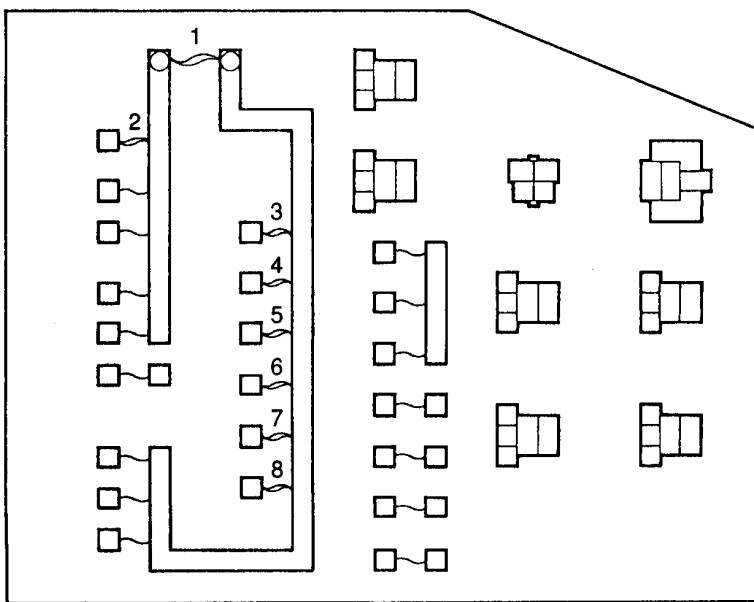
90100030194

**FUSIBLE LINK**

No.	Circuit	Housing colour	Rated capacity (A)
1	Fusible link No. (2) and dedicated fuse No. (1), (2), (3) circuit <When the engine is stopped> Fusible link No. (3), (4), (5), (6), (7), (8) and dedicated fuse No. (6), (7), (8) circuit <After start of the engine>	Blue	100A <Petrol>
		White	120A <Diesel>
2	A/C and multi-purpose fuse No. (1), (2), (13) circuit	Green	40A
3	Theft-alarm system and ignition switch circuit	Green	40A
4	ABS circuit	Red	50A
5	MPI, traction control, glow system and ELC 4-speed automatic transmission circuit	Light blue	20A
6	Charging system, headlamp, tail lamp and headlamp washer circuit	Green	40A
7	A/C and cooling system circuit	Pink	30A
8	Power windows	Pink	30A
9	Glow system	Black	80A

(Relay box in engine compartment)

(Connected directly to battery positive terminal)



16U0156

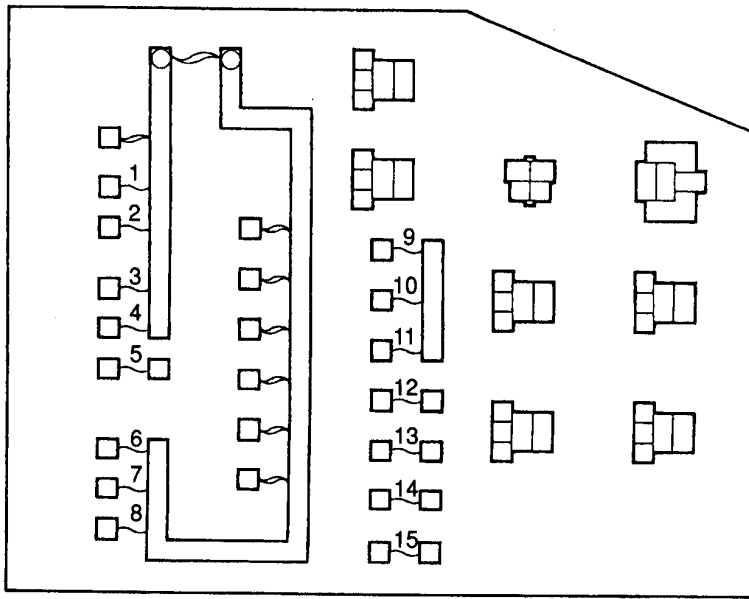
16U0155

00005223

## DEDICATED FUSE (Relay box in engine compartment)

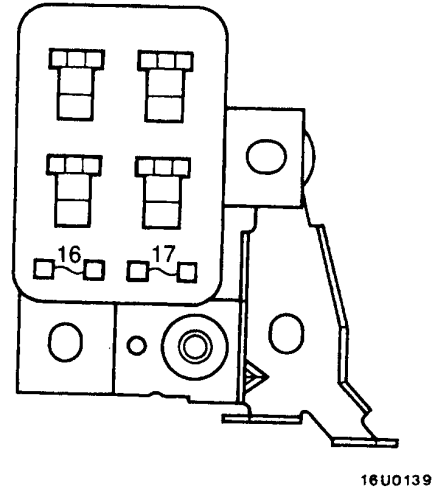
90100030200

Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Battery (Fusible link No. 1) /Alternator	1	25A	Transparent	Defogger and door mirror heater circuit
	2	25A	Transparent	Condenser fan circuit
	3	10A	Red	Door warning lamp, clock, luggage compartment lamp, motor antenna, radio, room lamp, security warning lamp circuit, ECU power supply and MUT-II power supply circuit
-	4	-	-	-
Ignition switch (ACC)	5	10A	Red	Auto-cruise control, motor antenna and radio circuit
Battery/Alternator (Fusible link No. 1)	6	20A	Yellow	Fuel line heater circuit
	7	10A	Red	Hazard warning circuit
	8	15A	Blue	Stop lamp circuit
Lighting switch (Fusible link No. 6) <Vehicles without daytime running lamp>/Tail lamp relay (Fusible link No. 6) <Vehicles with daytime running lamp>	9	15A	Blue	Front fog lamp circuit
	10	10A	Red	Tail lamp circuit
	11	10A	Red	Illumination, rheostat, headlamp and tail lamp circuit
Headlamp relay (Fusible link No.6)	12	10A	Red	High beam indicator lamp, headlamp, rear fog lamp and headlamp leveling circuit
Ignition switch (IG1)	13	20A	Yellow	Immobilizer circuit
	14	20A	Yellow	Alternator circuit
-	15	-	-	-
-	16	-	-	-
Battery (Fusible link No.1, 2)/Alternator (Fusible link No.2)	17	10A	Red	A/C compressor circuit



16U0155

<Vehicles with A/C>



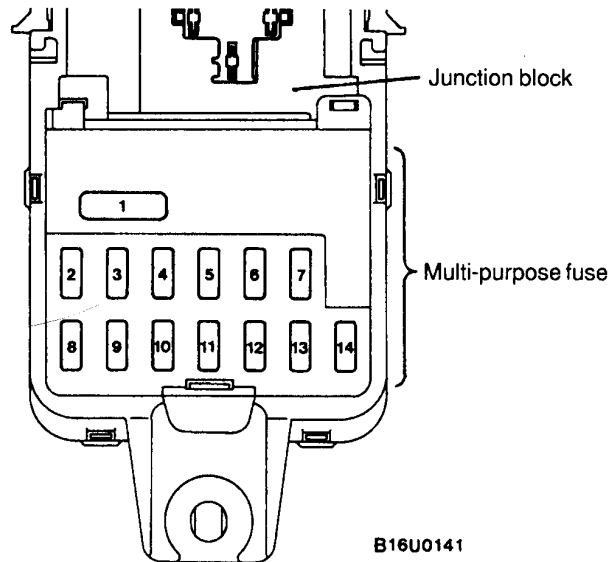
00005226

**MULTI-PURPOSE FUSE (In junction block)**

90100030217

Power supply circuit	No.	Rated capacity (A)	Housing colour	Load circuit	
Battery (Fusible link No.1, 2)/Alternator (Fusible link No.2)	1	25A	Transparent	Blower motor	
	2	20A	Yellow	Keyless entry receiver ECU and sunroof ECU	
Ignition switch	ACC	3	10A	Red	Horn and horn relay
	IG1	4	10A	Red	A/T shift indicator lamp, back-up lamp, ELC-4A/T-ECU, hold indicator lamp, SRS-ECU and alternator relay
	IG2	5	10A	Red	ABS-ECU, auto-cruise ECU, auto-cruise main switch, power window main switch and TCL-ECU
		6	20A	Yellow	Heated seat
	IG1	7	10A	Red	A/T-ECU, auto-cruise indicator lamp, combination meter, motor antenna, ABS indicator lamp, brake warning lamp, output shaft speed sensor, input shaft speed sensor, ignition relay and buzzer-ECU

Power supply circuit		No.	Rated capacity (A)	Housing colour	Load circuit
Battery (Fusible link No.1, 2)/Alternator (Fusible link No.2)		8	-	-	-
Ignition switch	ACC	9	15A	Blue	Cigarette lighter and clock
		10	10A	Red	Keyless entry receiver ECU and remote controlled mirror
	IG1	11	10A	Red	Immobilizer-ECU, turn signal and hazard warning flasher unit, turn signal lamp, SRS-ECU and steering wheel sensor
	IG2	12	15A	Blue	A/C control panel and ECU <Full-auto A/C>, A/C switch <Manual A/C>, air purifier, automatic compressor ECU <Manual A/C>, blower high speed relay <Full-auto A/C>, blower relay, defogger relay, DRL-ECU, DRL-relay 1, headlamp washer relay, sunroof ECU and fuel line heater relay
Battery (Fusible link No. 1, 2)/Alternator (Fusible link No.2)		13	15A	Blue	Door lock ECU
Ignition switch	ACC	14	20A	Yellow	Intermittent wiper relay, rear washer motor and wiper motor, windshield washer motor and wiper motor



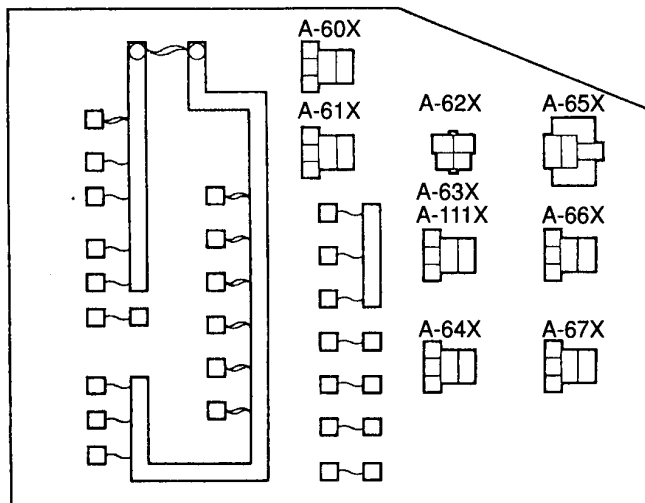
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CENTRALIZED RELAY

90100030224

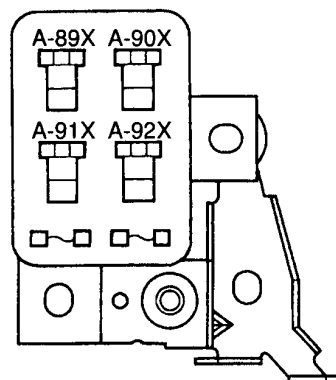
Connector No.	Name	Connector No.	Name
A-60X	Theft-alarm horn relay	A-111X	Radiator fan relay (LO) <Diesel>
A-61X	Tail lamp relay <DRL>	B-67X	Door lock ECU <Vehicles without theft-alarm system>
A-62X	Alternator relay <Petrol>		
A-63X	Radiator fan relay <Petrol>	B-68X	-
A-64X	Headlamp relay	B-69X	Rear intermittent wiper relay
A-65X	Headlamp washer relay	B-70X	Rear fog lamp relay
A-66X	Fuel line heater relay <Diesel>	B-71X	-
A-67X	Horn relay <Theft-alarm system>	B-72X	Diode
A-89X	Radiator fan relay (HI) <Diesel>	B-73X	-
A-90X	Condenser fan relay (LO) <A/C>	B-74X	-
A-91X	Condenser fan relay (HI) <A/C>	B-75X	J/C (1)
A-92X	A/C compressor relay	B-76X	J/C (2)

(Relay box in engine compartment)



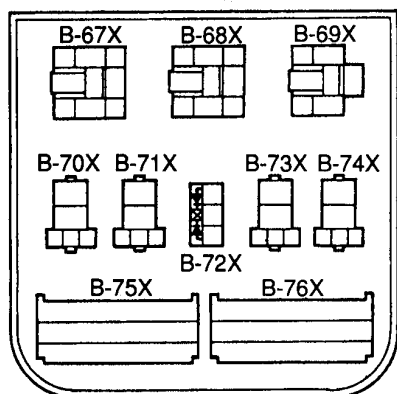
16U0155

Vehicles with A/C



16U0139

(Relay box in driver compartment)



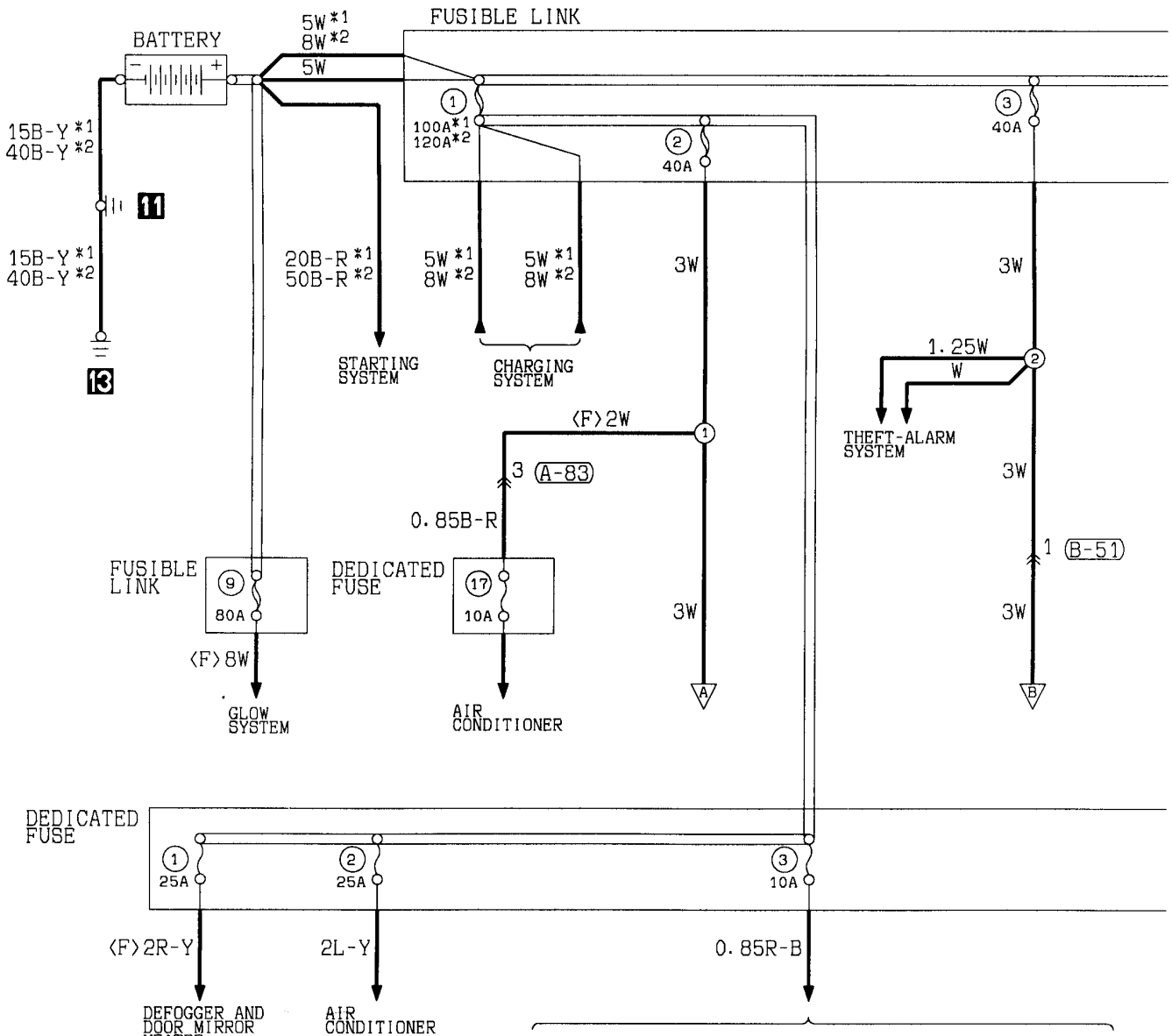
16U0143

00005224

POWER DISTRIBUTION SYSTEM

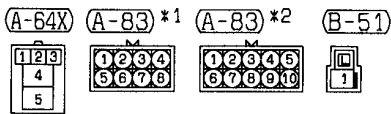
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Vehicles without daytime running lamp

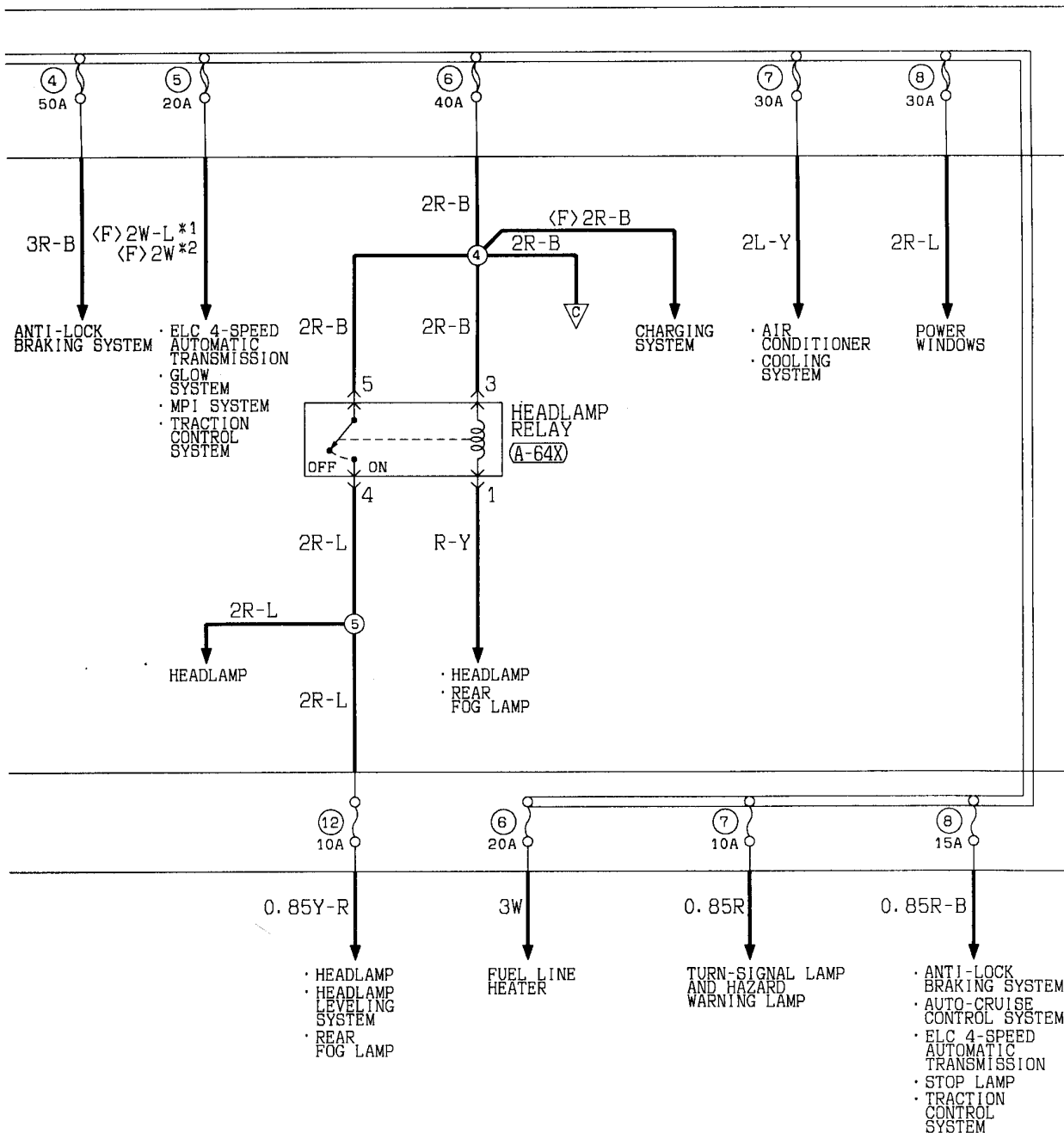


- ANTI-LOCK BRAKING SYSTEM
- AUTO-CRUISE CONTROL SYSTEM
- CENTRAL DOOR LOCKING SYSTEM
- CLOCK
- ELC 4-SPEED AUTOMATIC TRANSMISSION
- FULL-AUTO AIR CONDITIONER
- GLOW SYSTEM
- IMMOBILIZER SYSTEM
- MPI SYSTEM
- RADIO AND TAPE PLAYER
- ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP
- SUPPLEMENTAL RESTRAINT SYSTEM
- TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER
- THEFT-ALARM SYSTEM
- TRACTION CONTROL SYSTEM

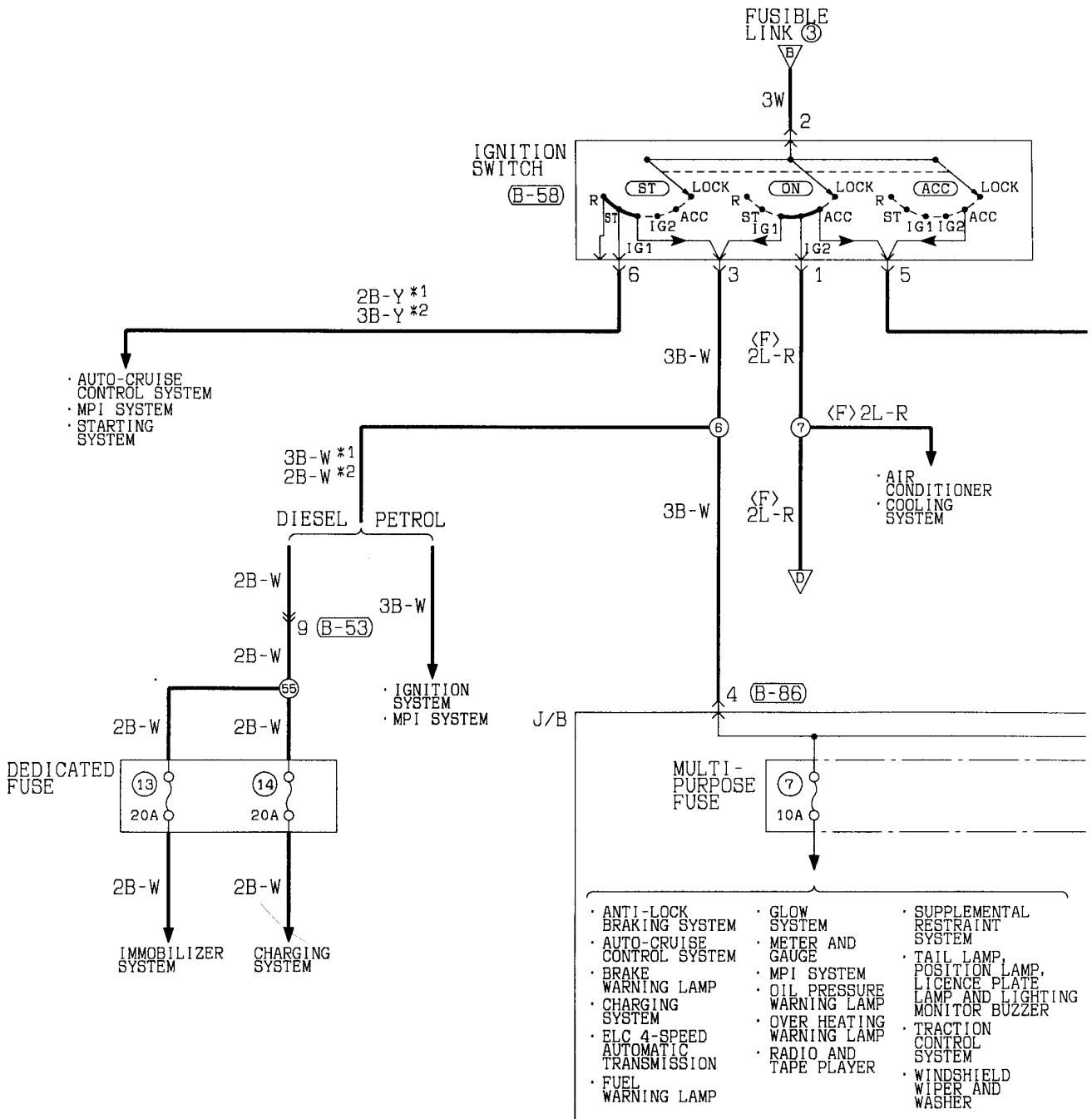
Remarks  
 (1)\*1: Petrol-powered vehicles.  
 (2)\*2: Diesel-powered vehicles.



# CIRCUIT DIAGRAM

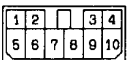


POWER DISTRIBUTION SYSTEM <Vehicles without daytime running lamp>  
(CONTINUED)



Remarks  
(1) \*1: Petrol-powered vehicles.  
(2) \*2: Diesel-powered vehicles.

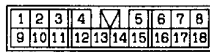
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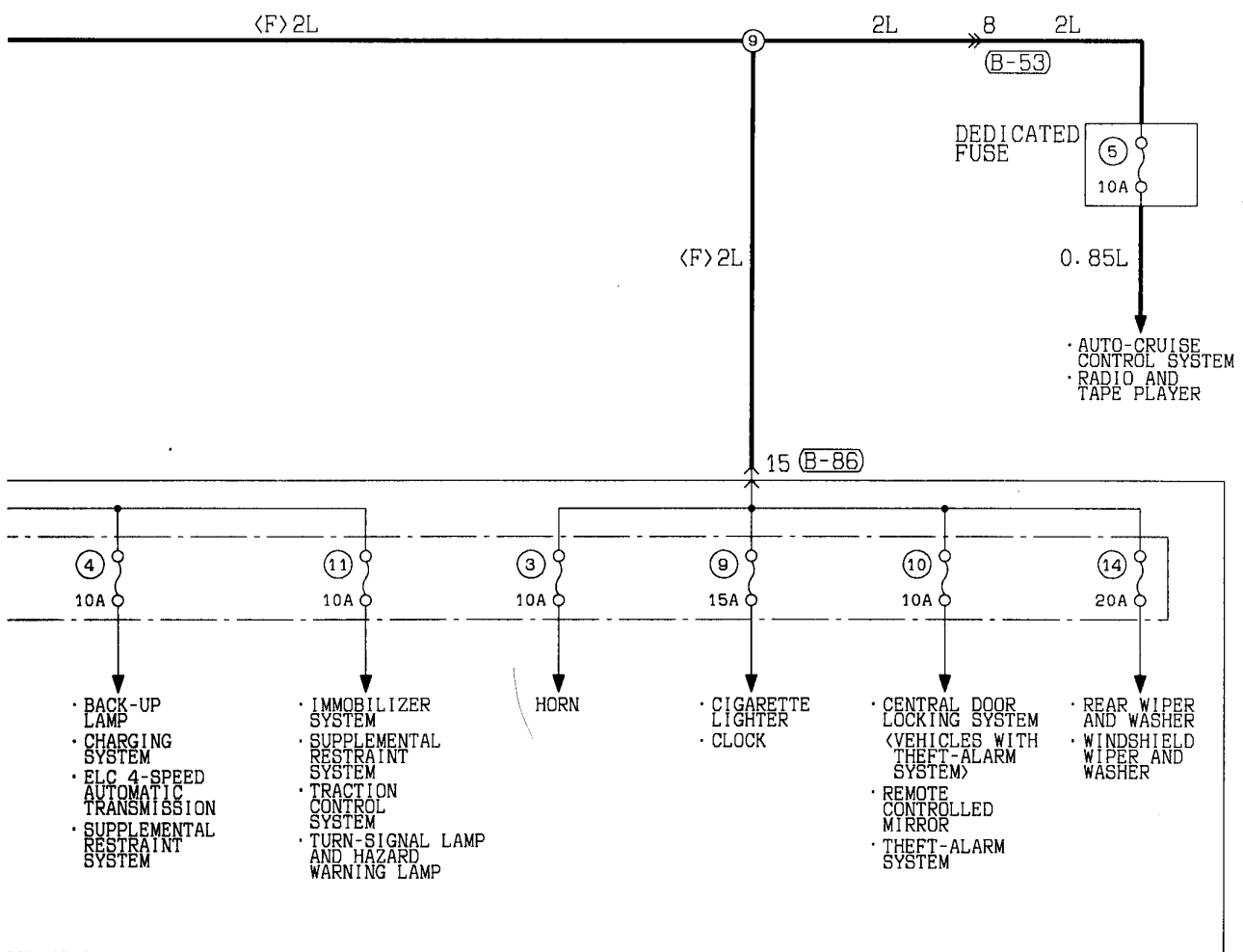
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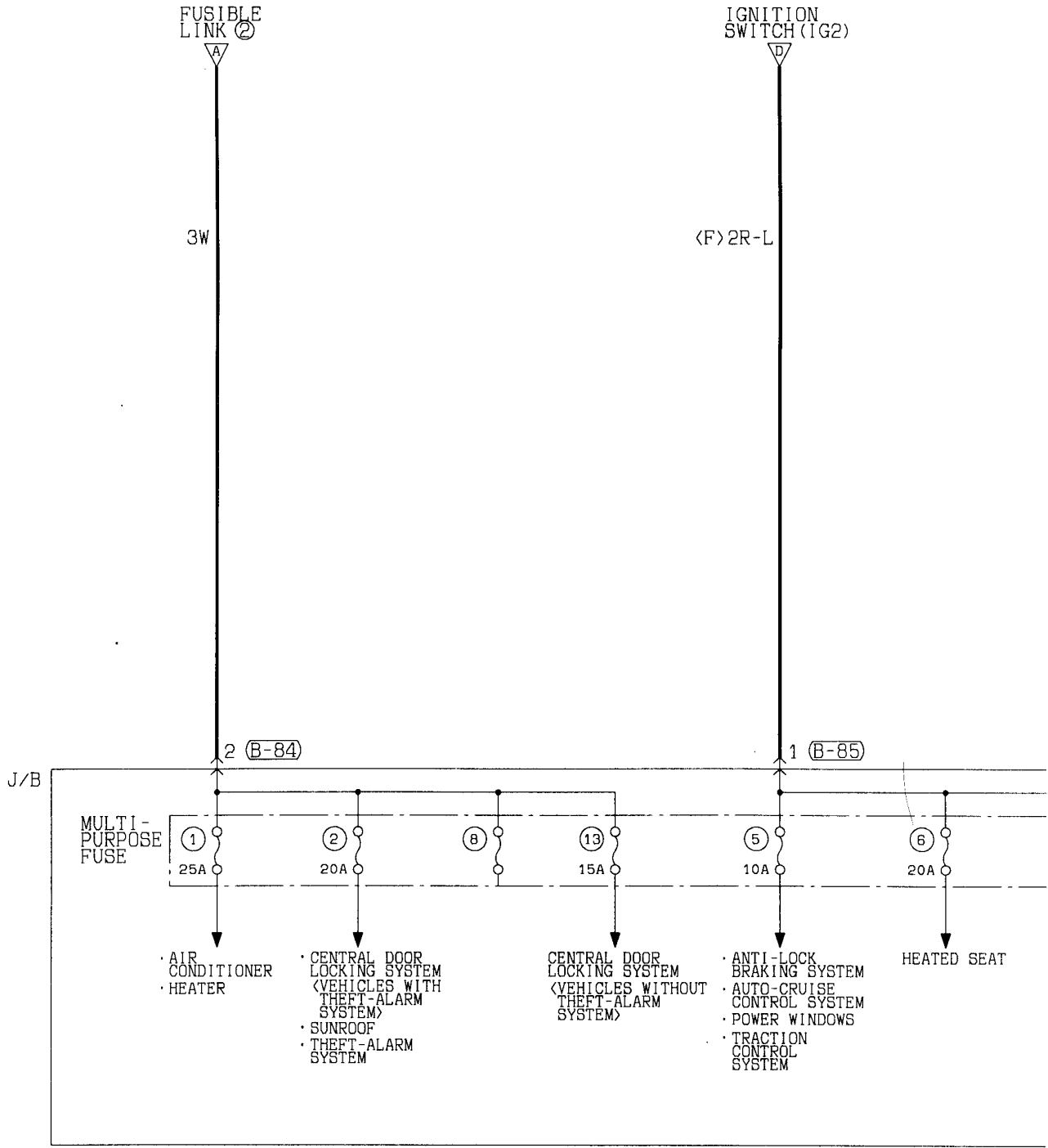
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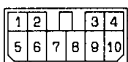




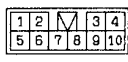
POWER DISTRIBUTION SYSTEM <Vehicles without daytime running lamp>  
(CONTINUED)



(B-53)



(B-65)

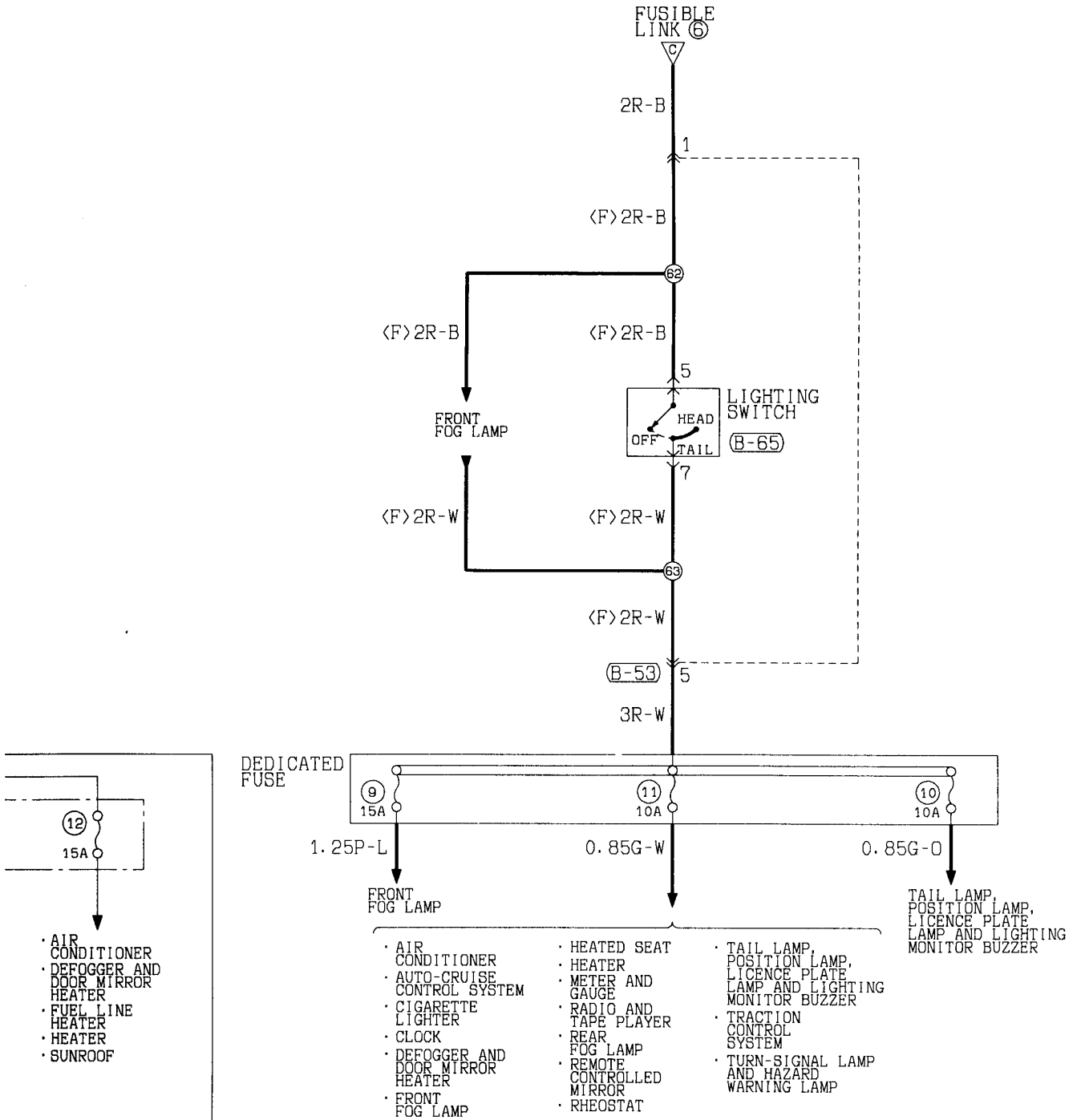


(B-84)



(B-85)

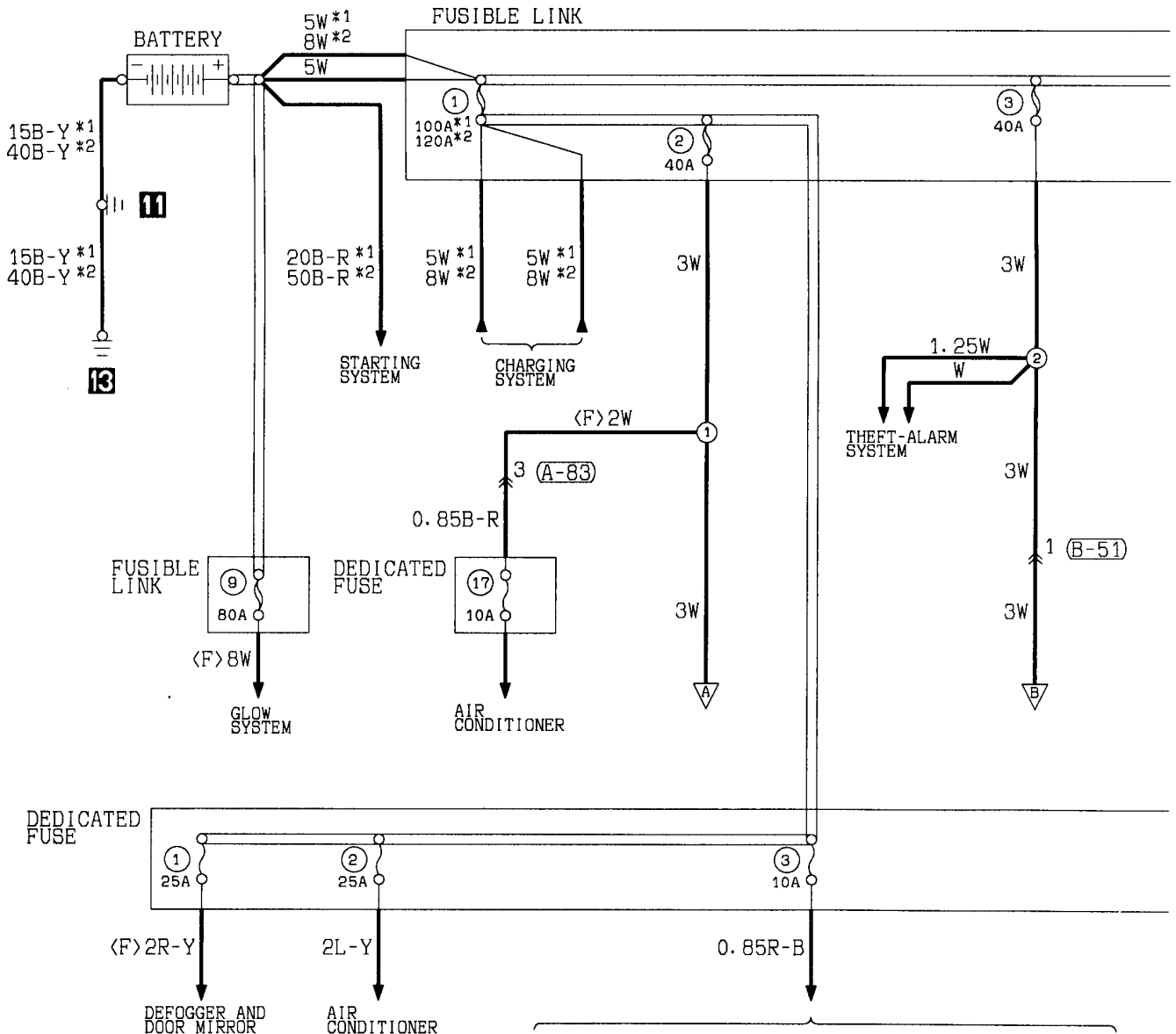




POWER DISTRIBUTION SYSTEM

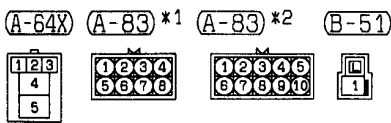
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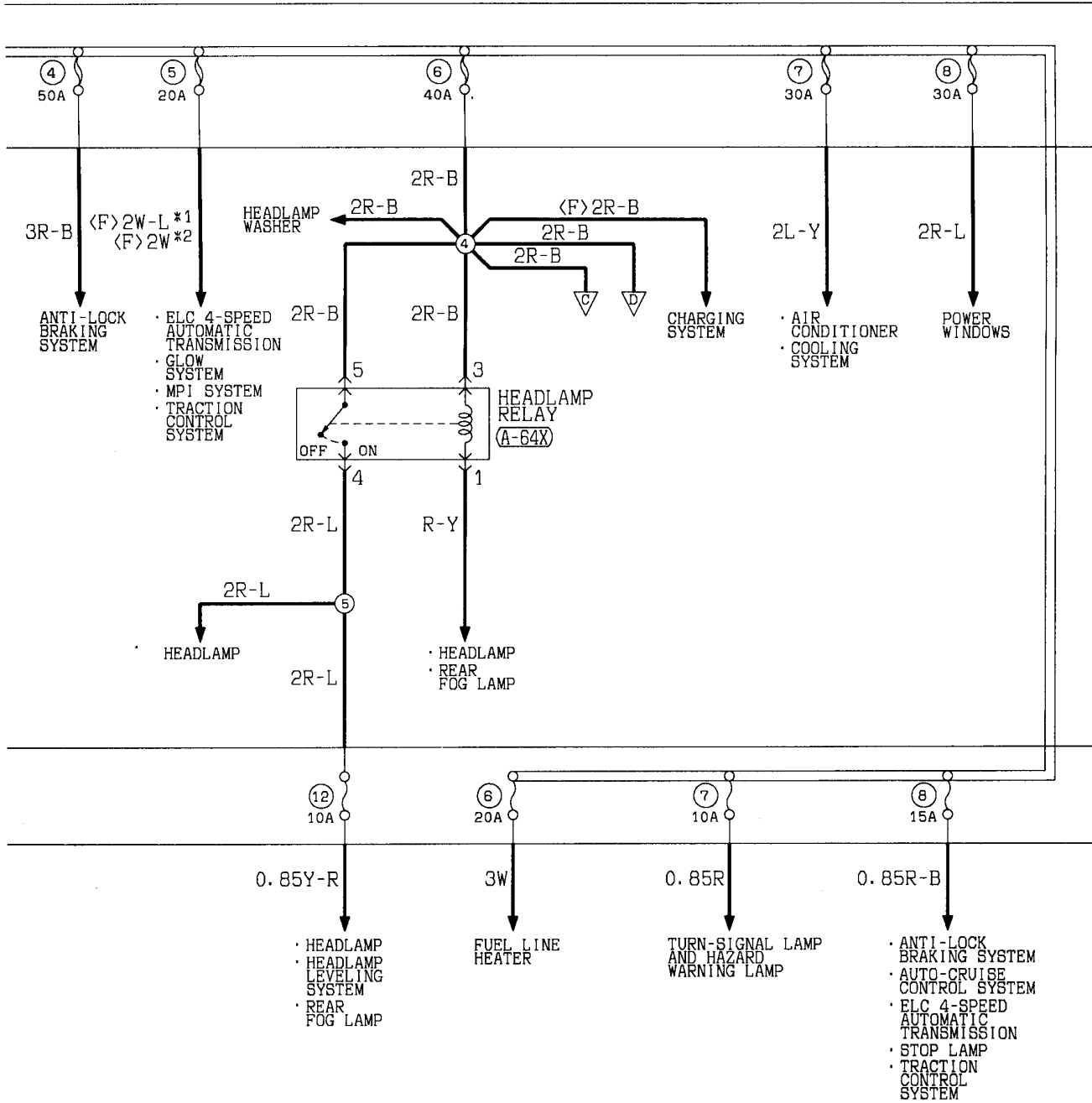
Vehicles with daytime running lamp



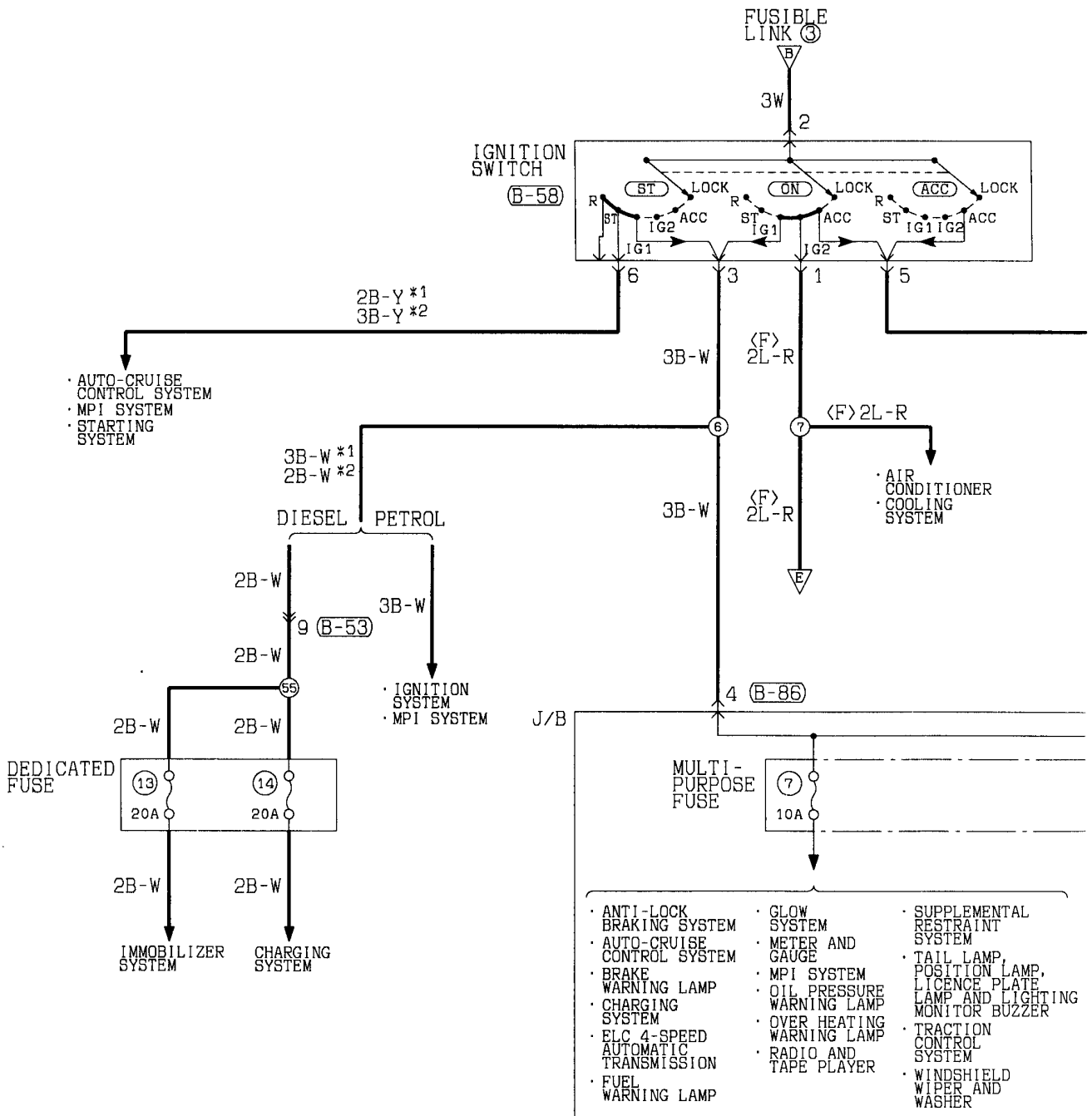
- ANTI-LOCK BRAKING SYSTEM
- AUTO-CRUISE CONTROL SYSTEM
- CENTRAL DOOR LOCKING SYSTEM
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- THEFT-ALARM SYSTEM
- TRACTION CONTROL SYSTEM

Remarks  
 (1) \*1: Petrol-powered vehicles.  
 (2) \*2: Diesel-powered vehicles.

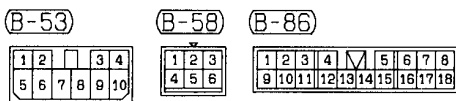


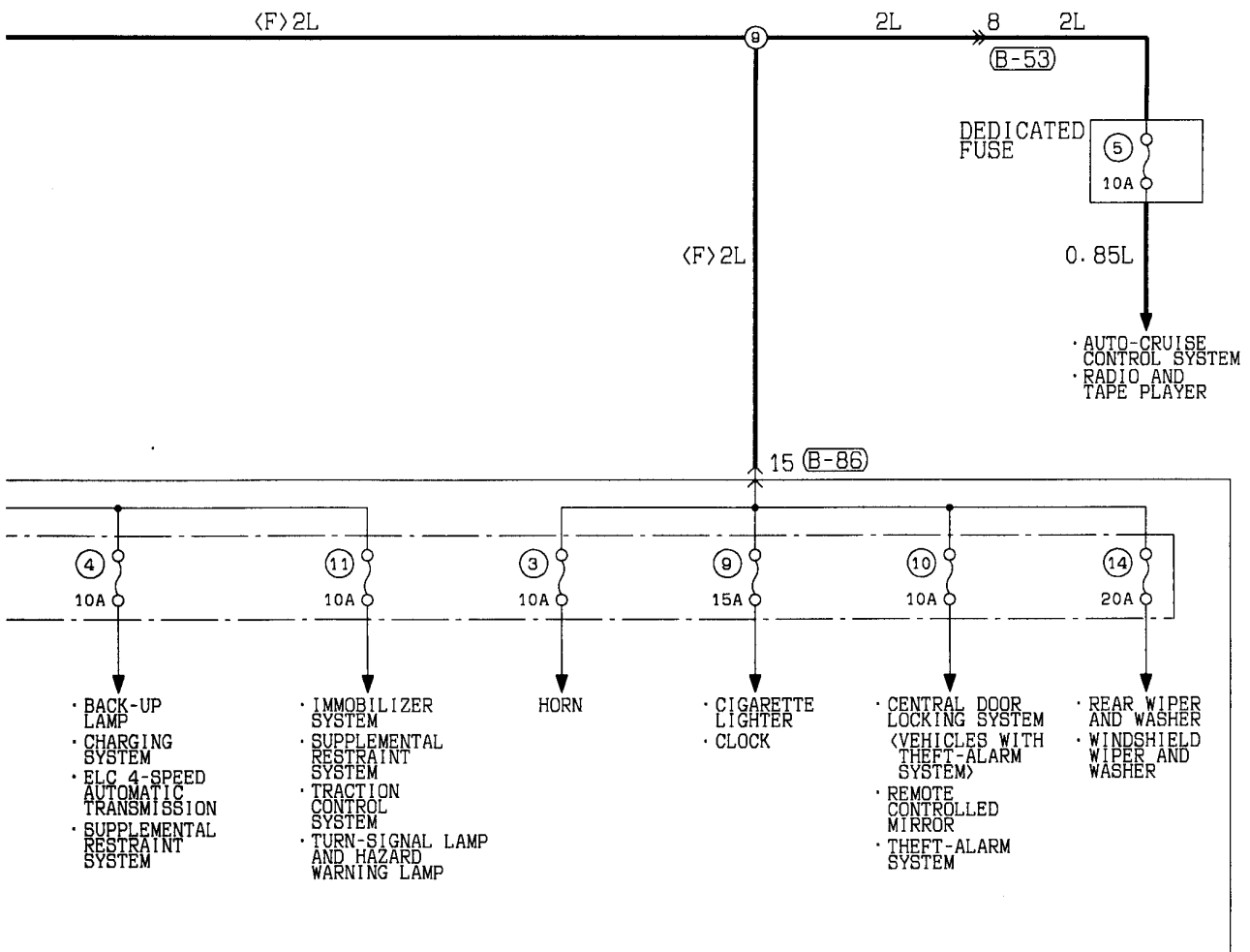


**POWER DISTRIBUTION SYSTEM <Vehicles with daytime running lamp>  
(CONTINUED)**

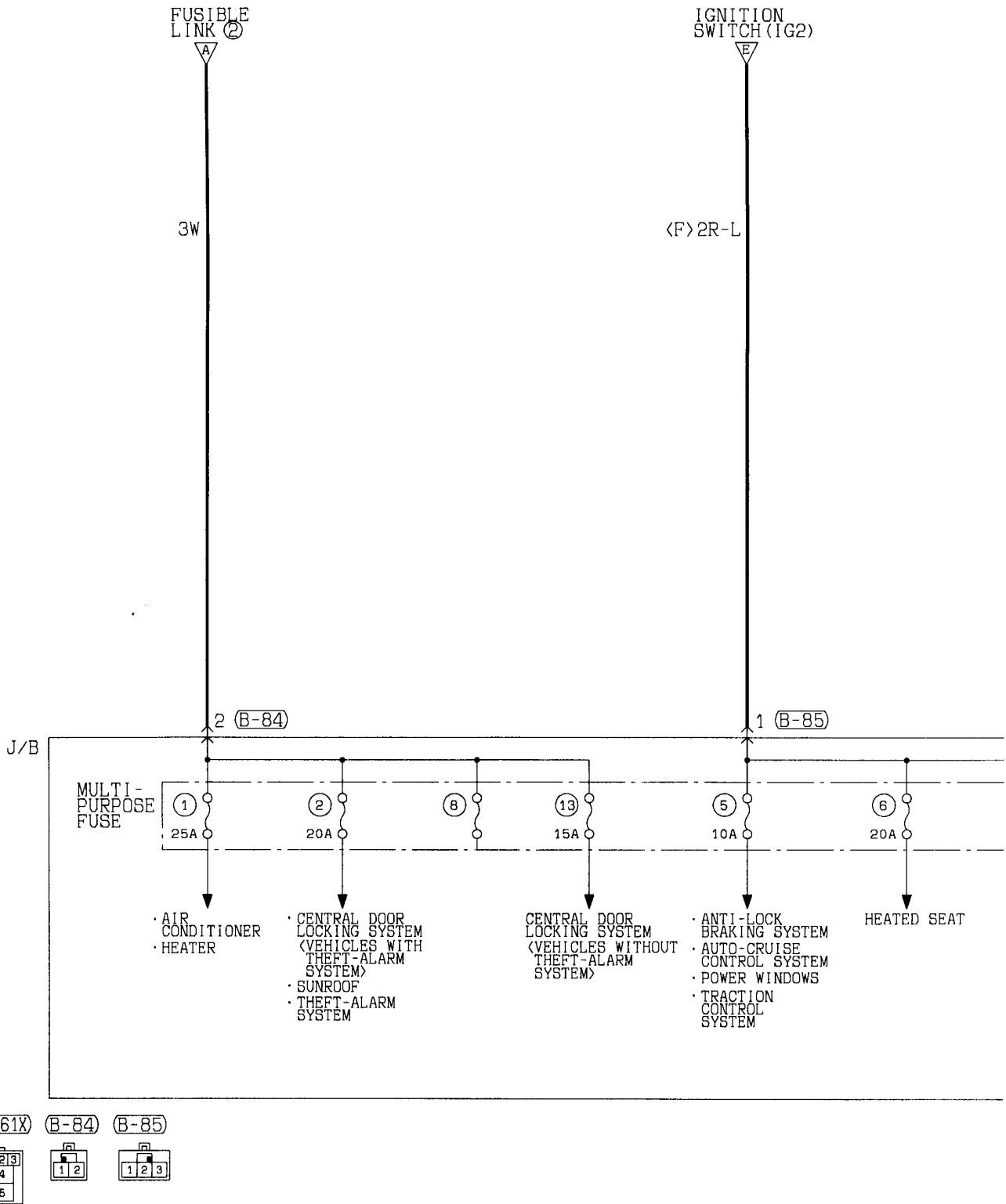


Remarks  
 (1) \*1: Petrol-powered vehicles.  
 (2) \*2: Diesel-powered vehicles.

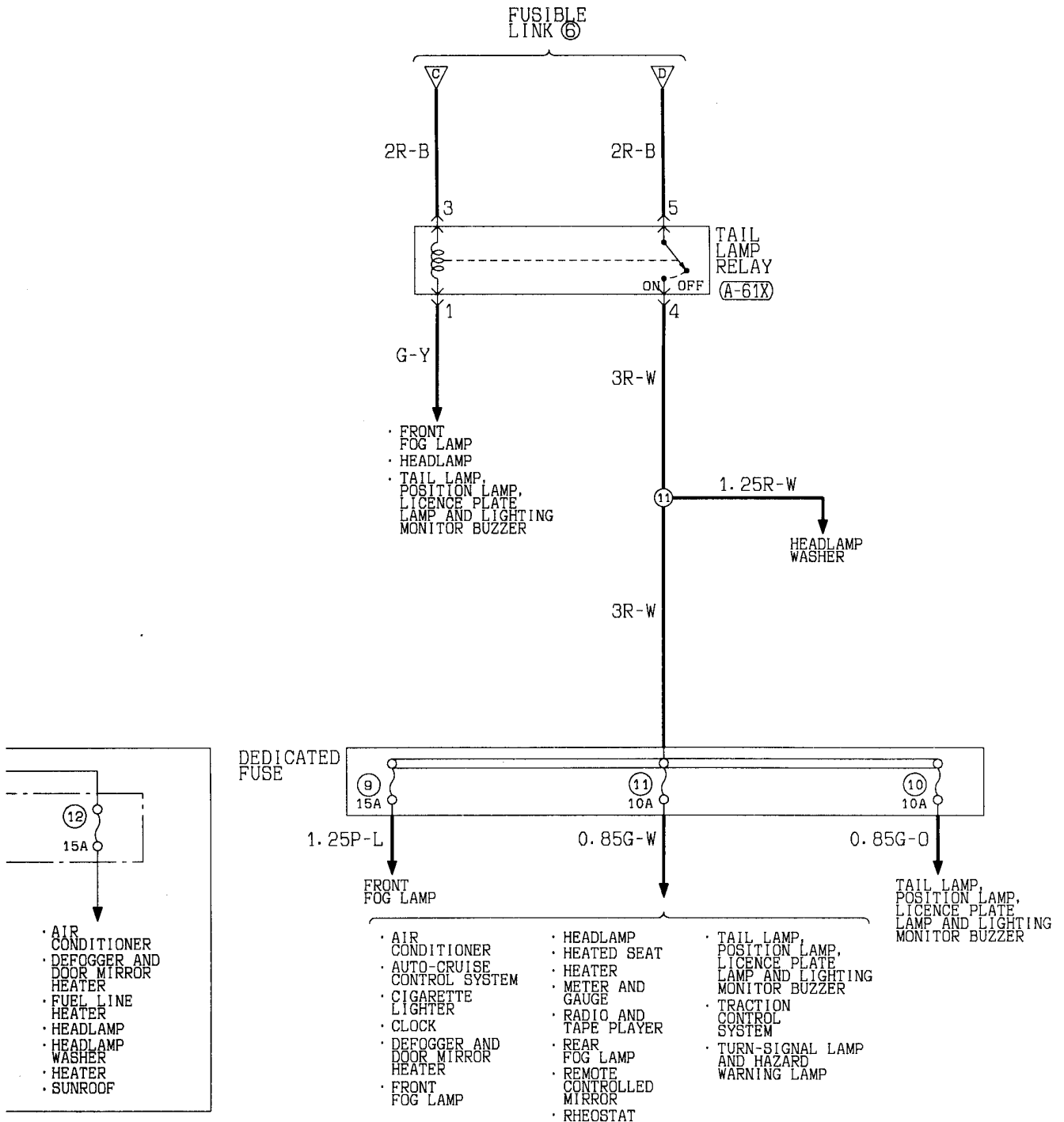




POWER DISTRIBUTION SYSTEM <Vehicles with daytime running lamp>  
(CONTINUED)



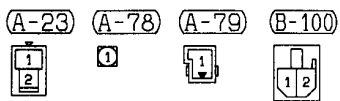
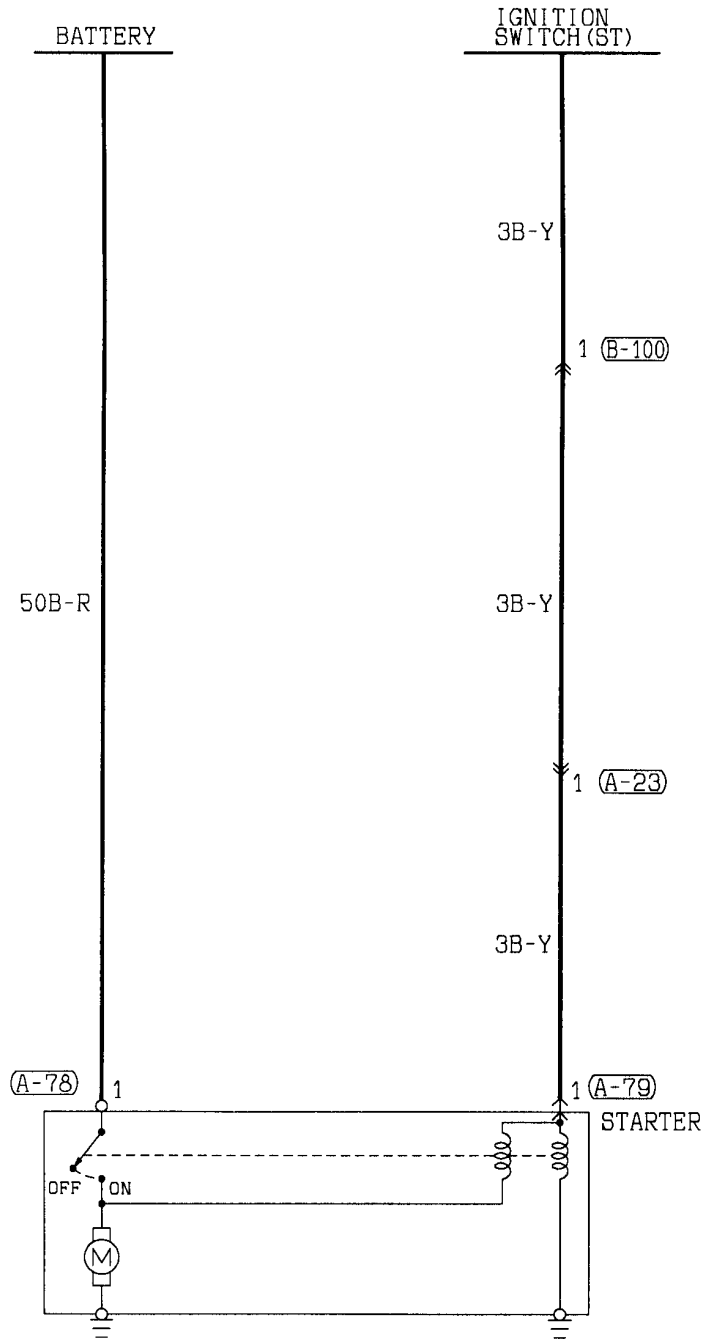




STARTING SYSTEM

90100050350

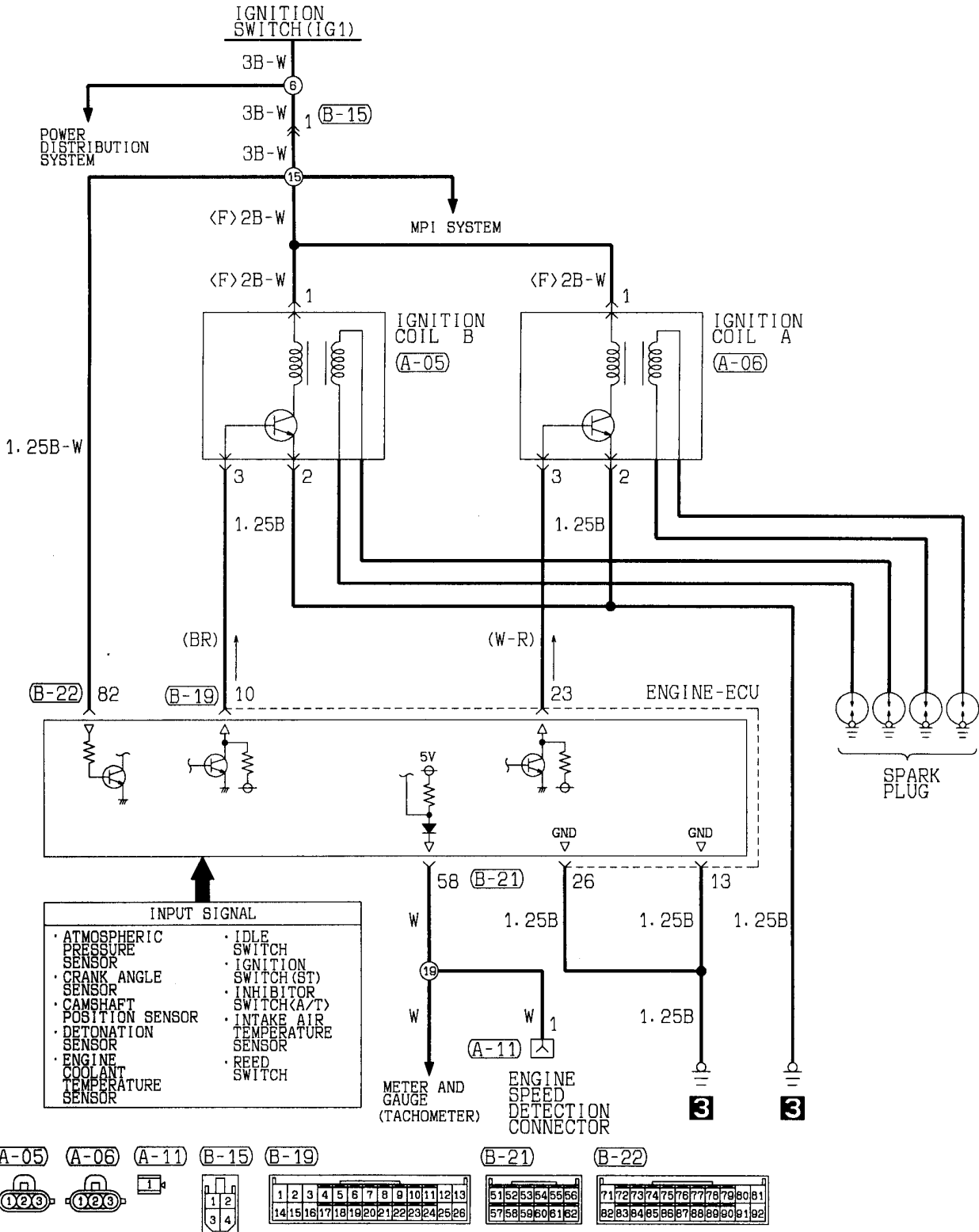
Diesel-powered vehicles



IGNITION SYSTEM

90100060339

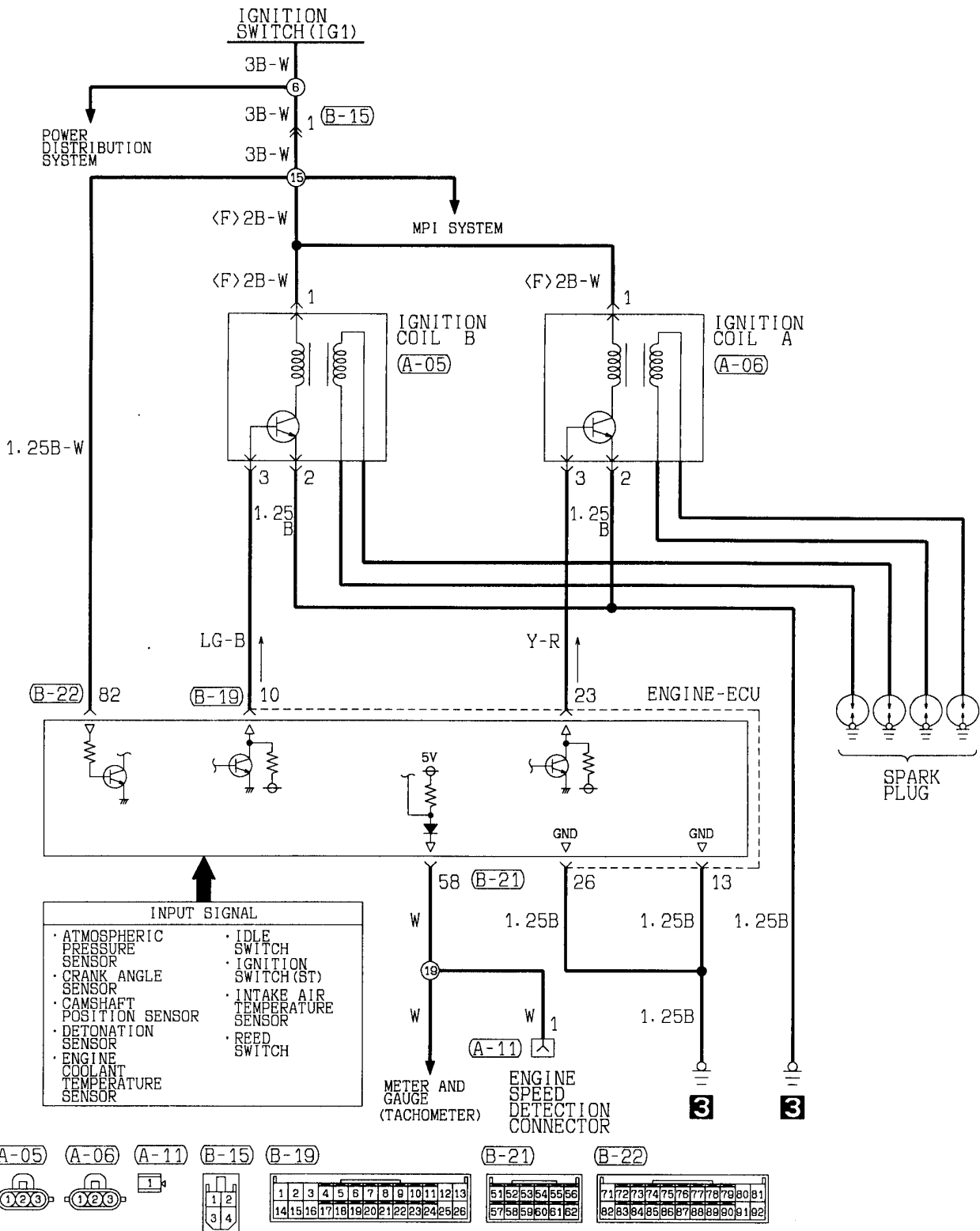
MPI-SOHC



IGNITION SYSTEM

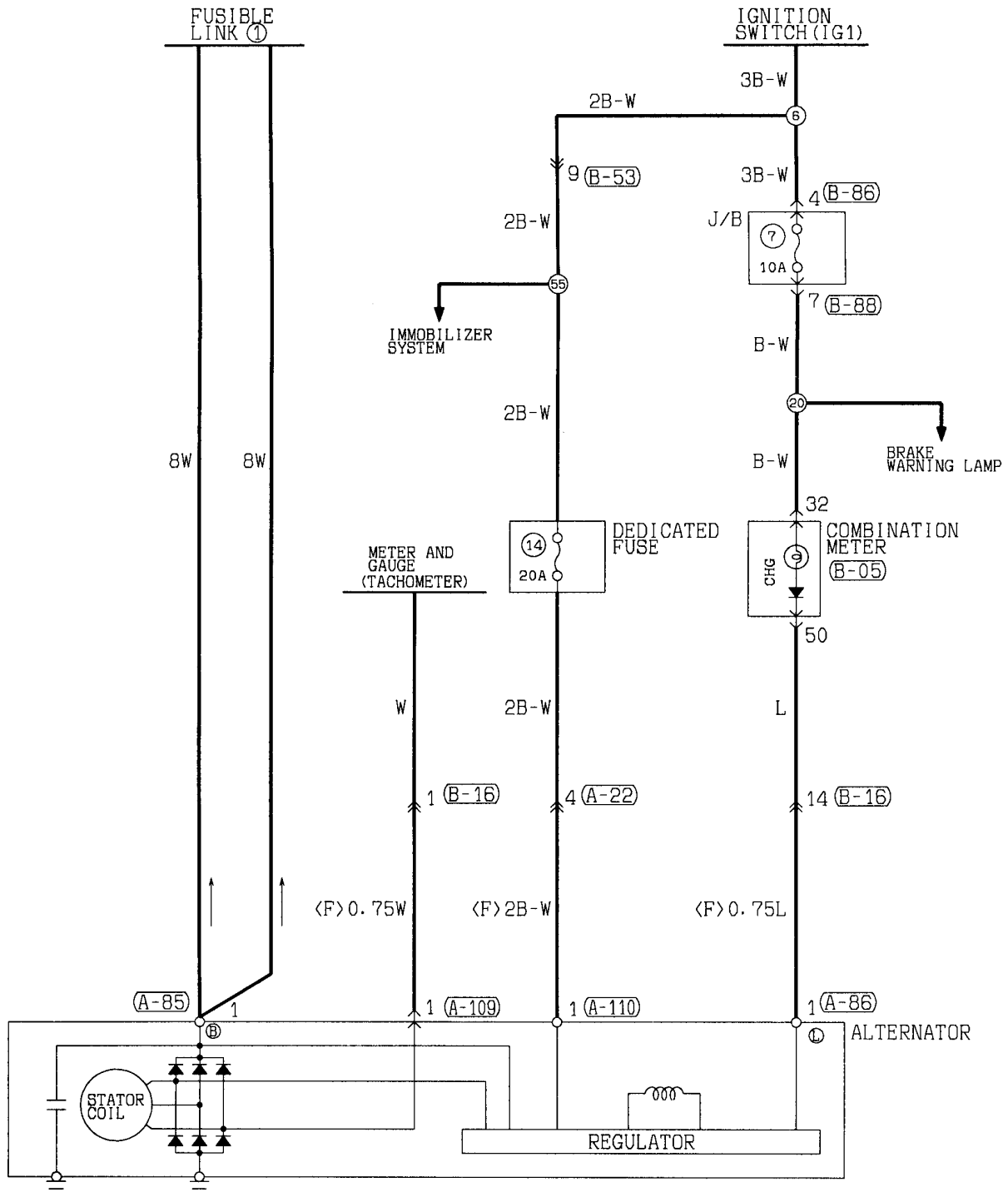
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MPI-DOHC



CHARGING SYSTEM  
Diesel-powered vehicles

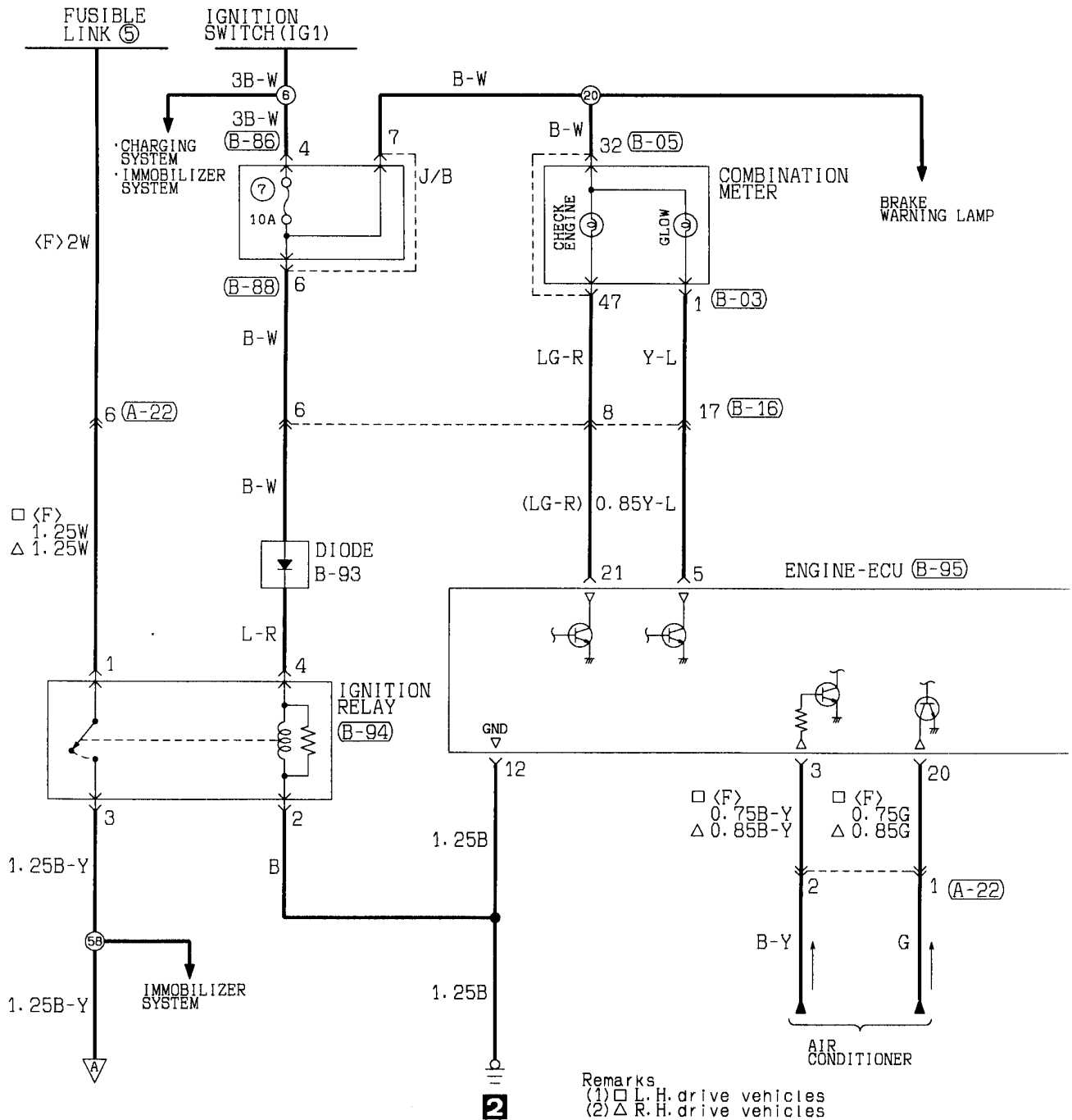
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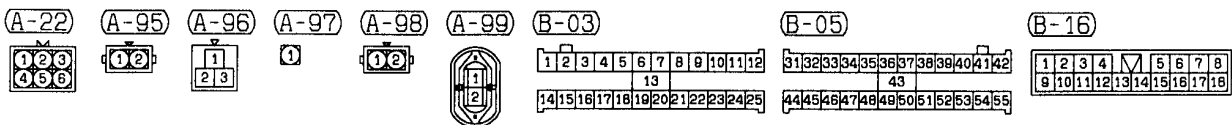
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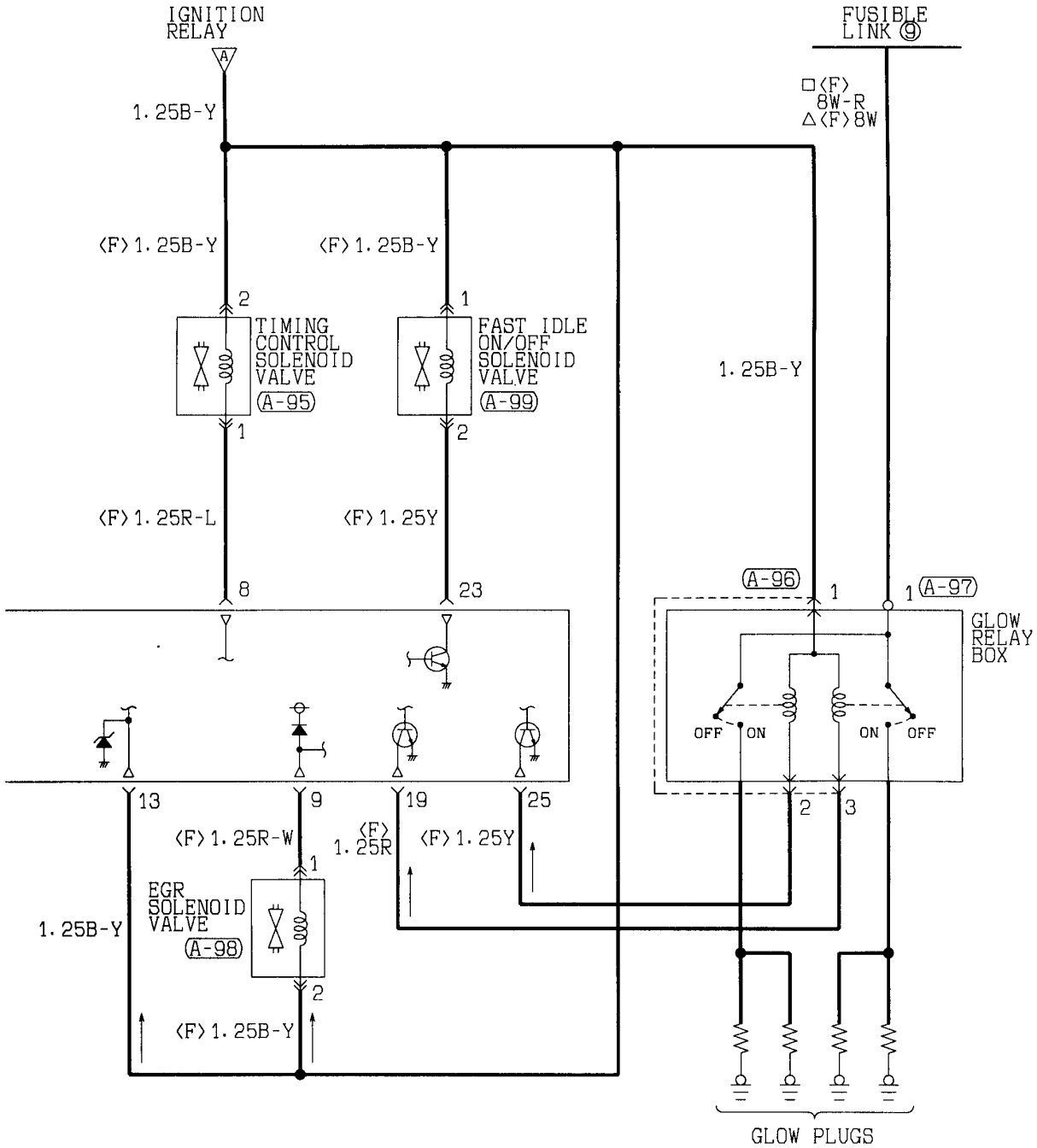
GLOW SYSTEM

90100090048

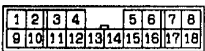


Remarks  
 (1) □ L.H. drive vehicles  
 (2) △ R.H. drive vehicles

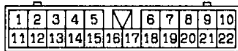




(B-86)



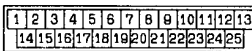
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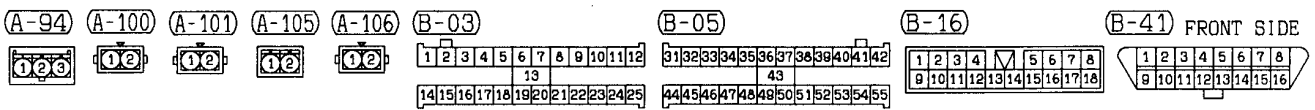
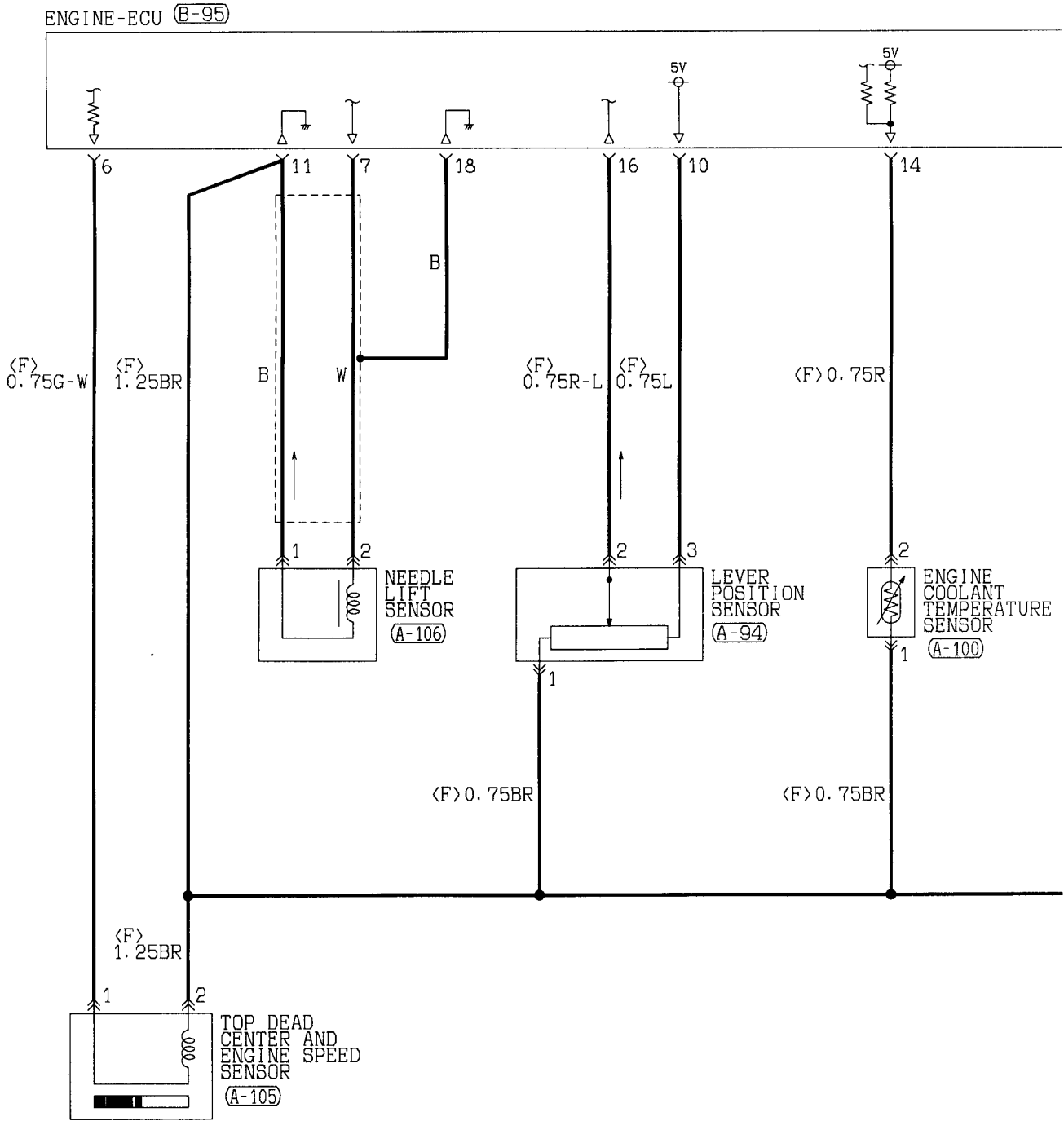
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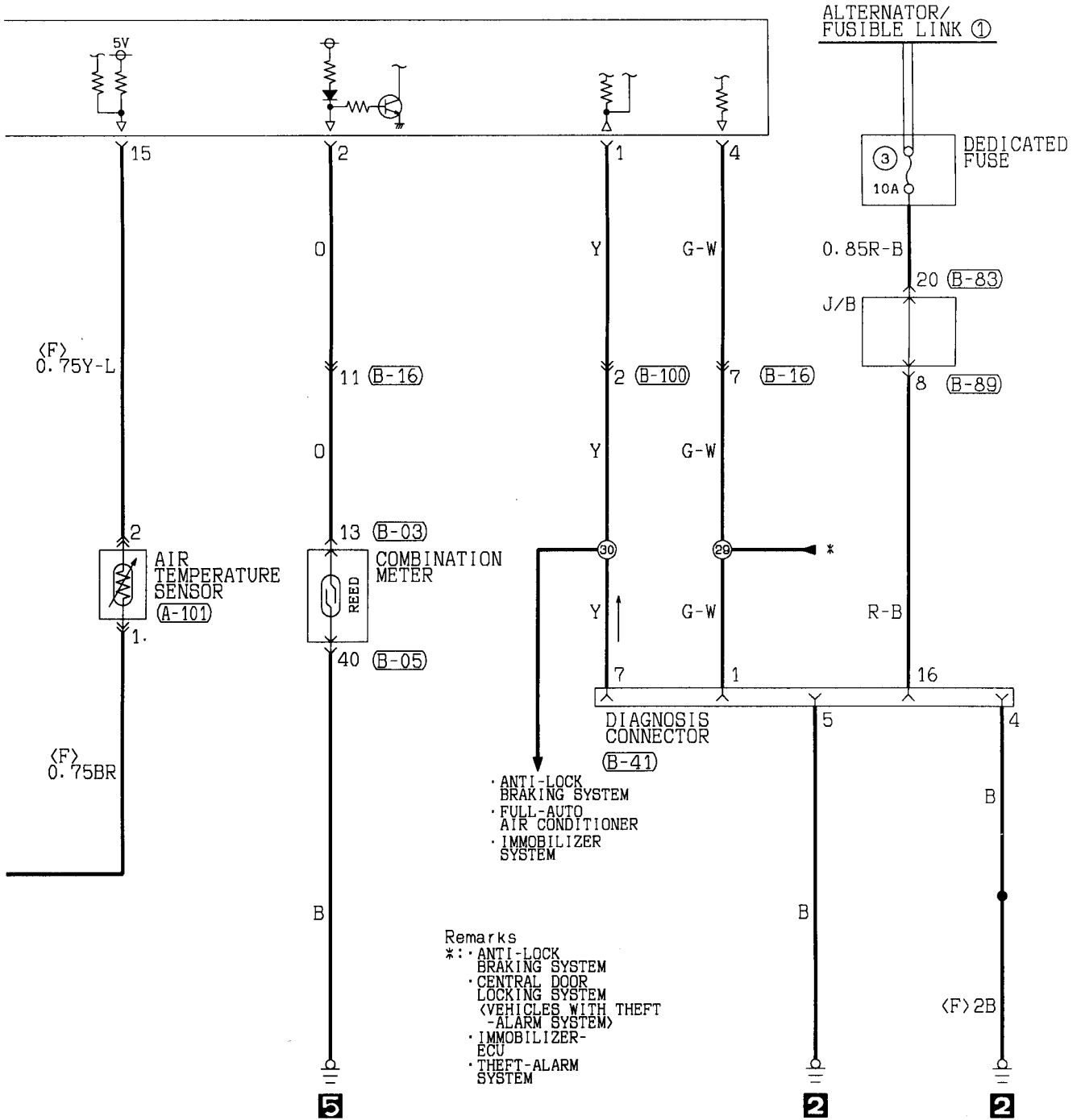
(B-95)



GLOW SYSTEM (CONTINUED)







(B-83)

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

(B-89)

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

(B-95)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	

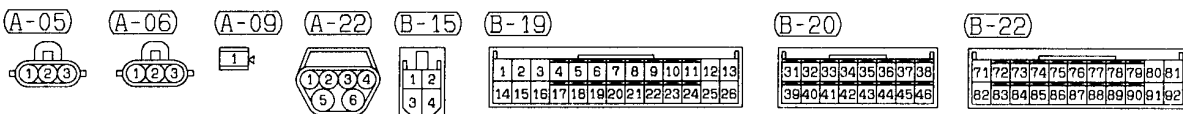
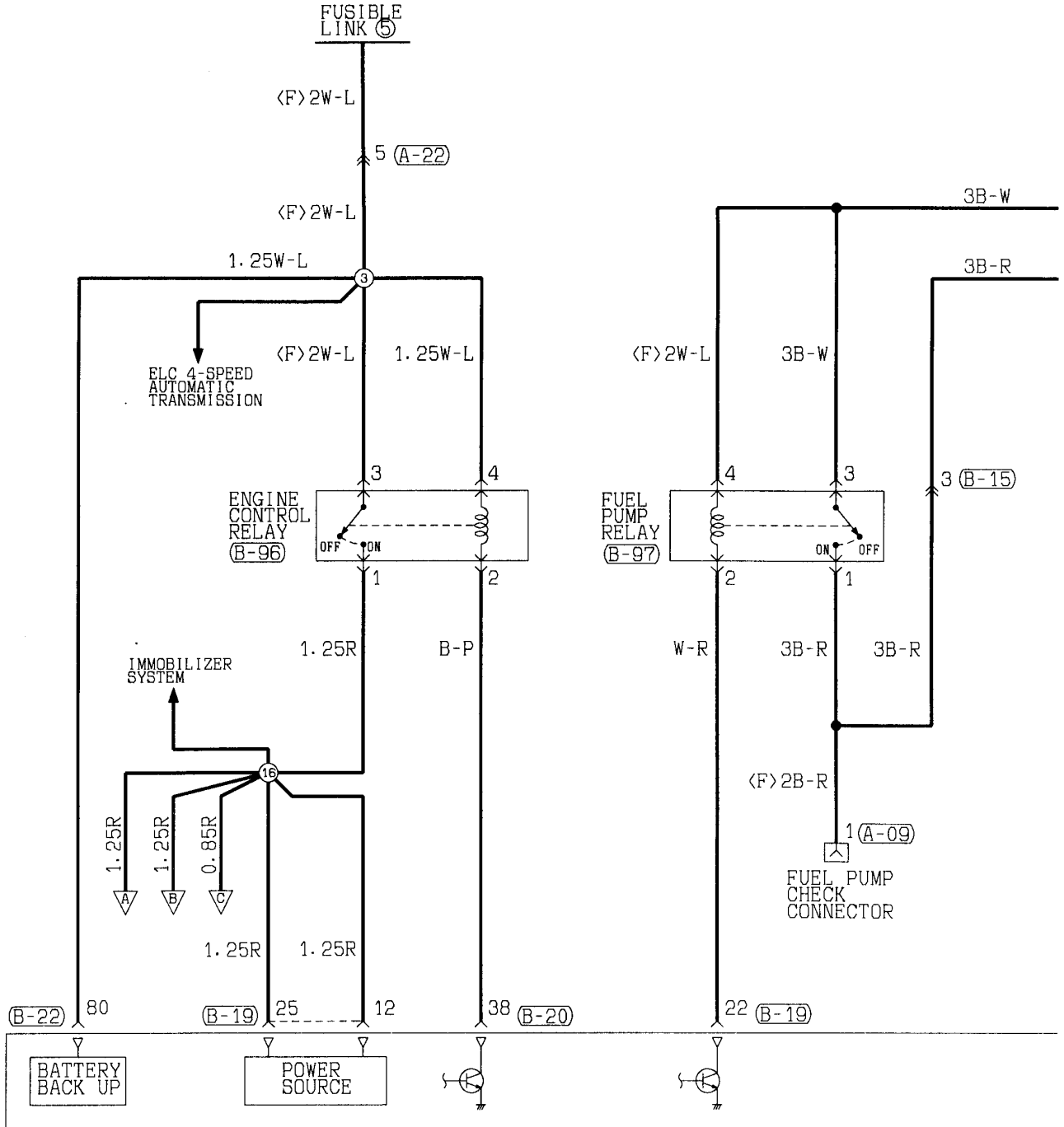
(B-100)

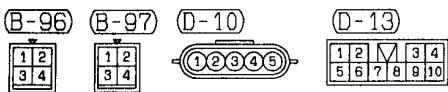
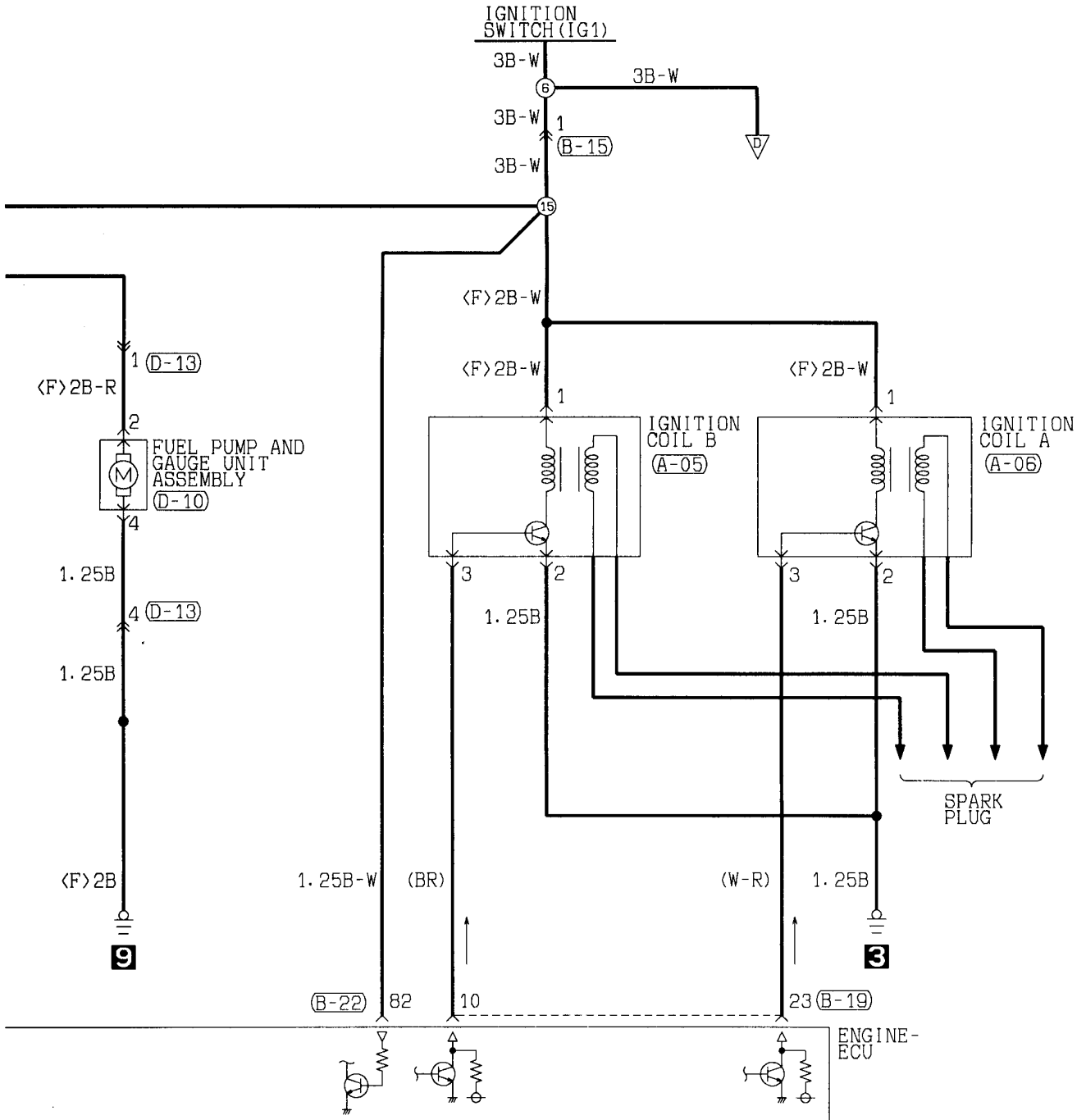
1	2
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MPI SYSTEM

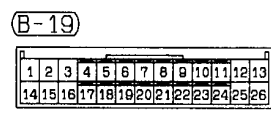
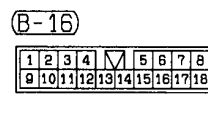
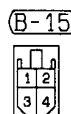
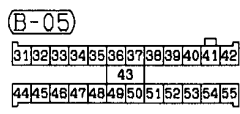
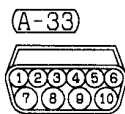
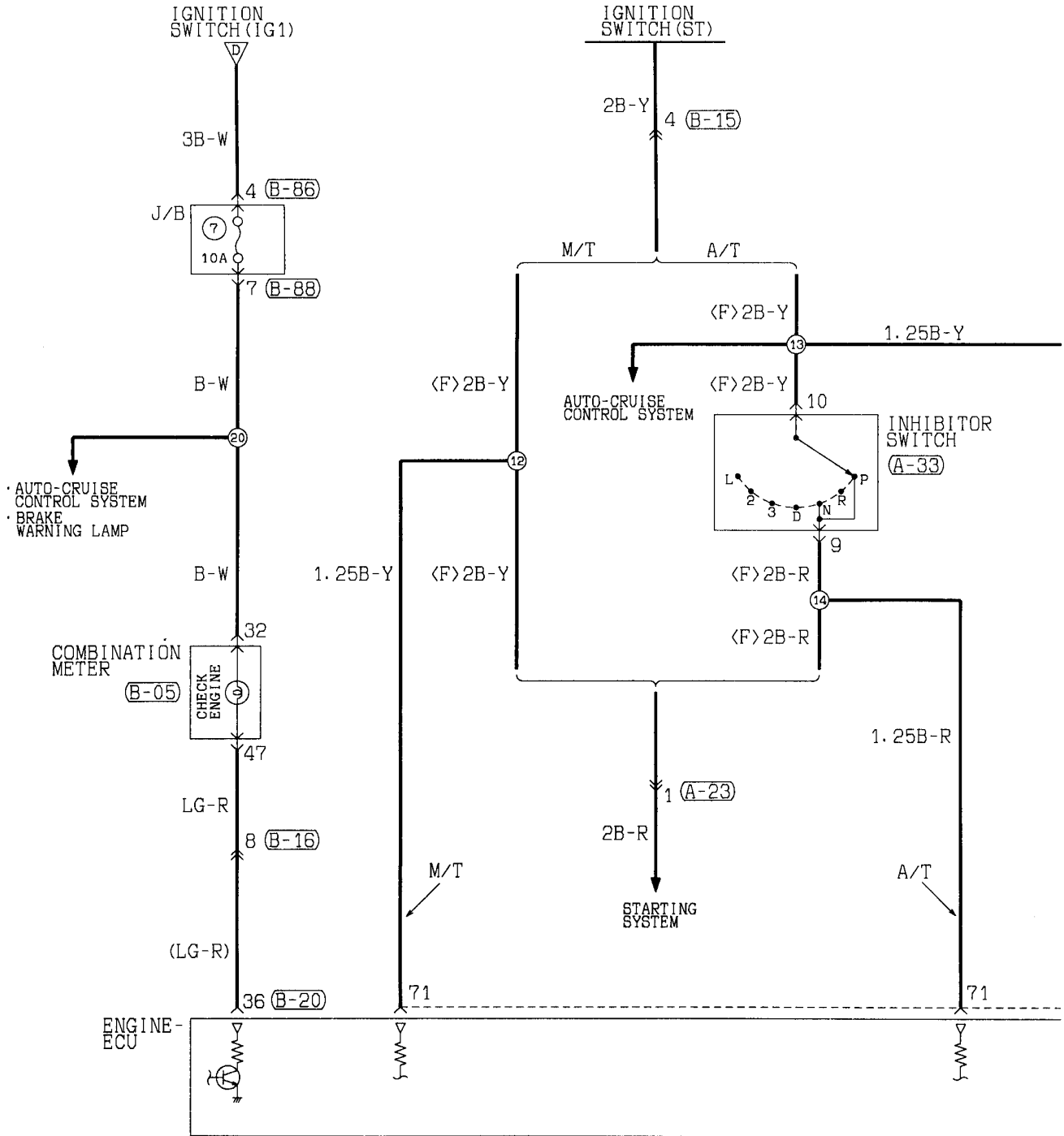
90100080533

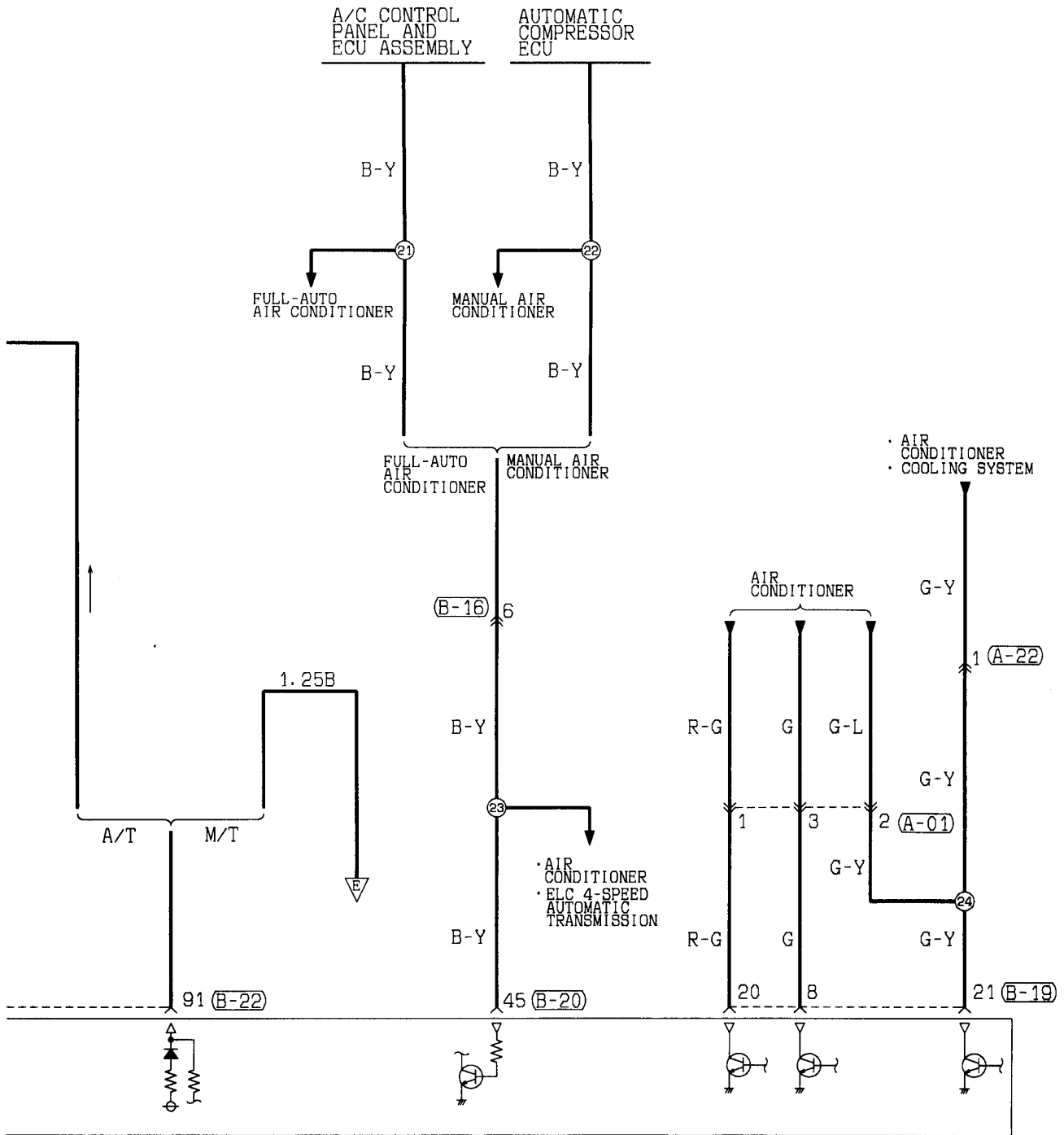
MPI-SOHC <Vehicles without TCL>





MPI SYSTEM <MPI-SOHC (Vehicles without TCL)> (CONTINUED)





(B-20)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

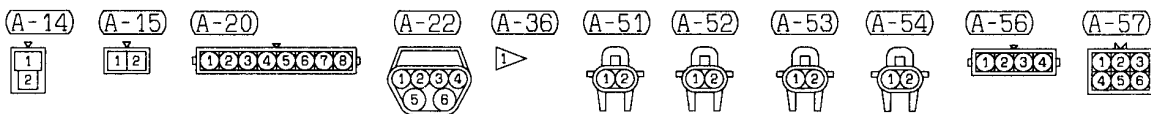
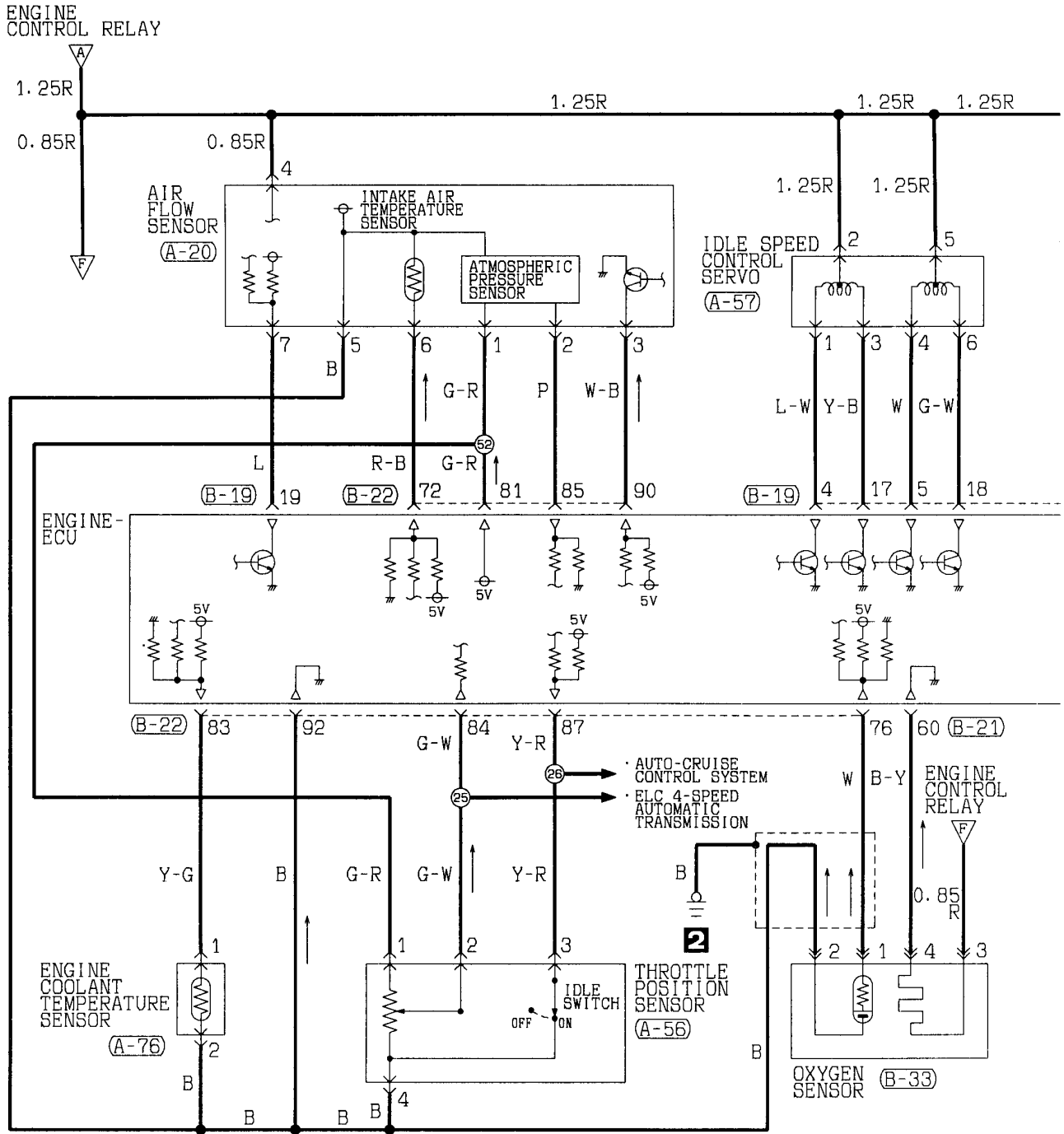
(B-86)

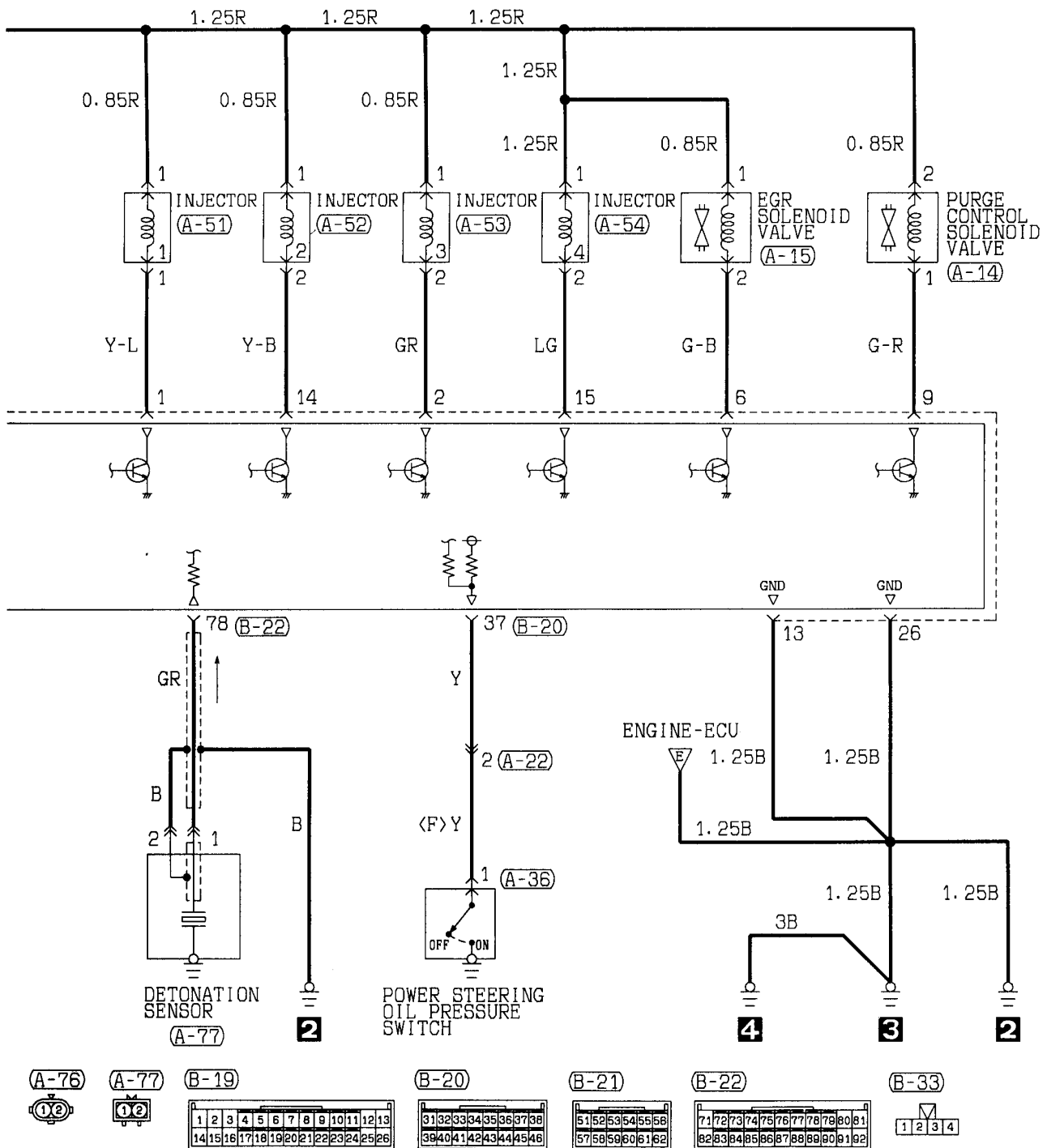
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-88)

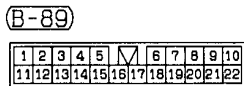
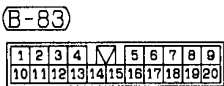
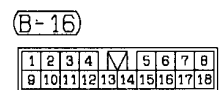
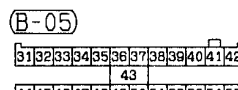
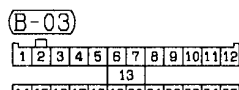
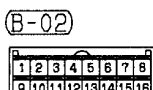
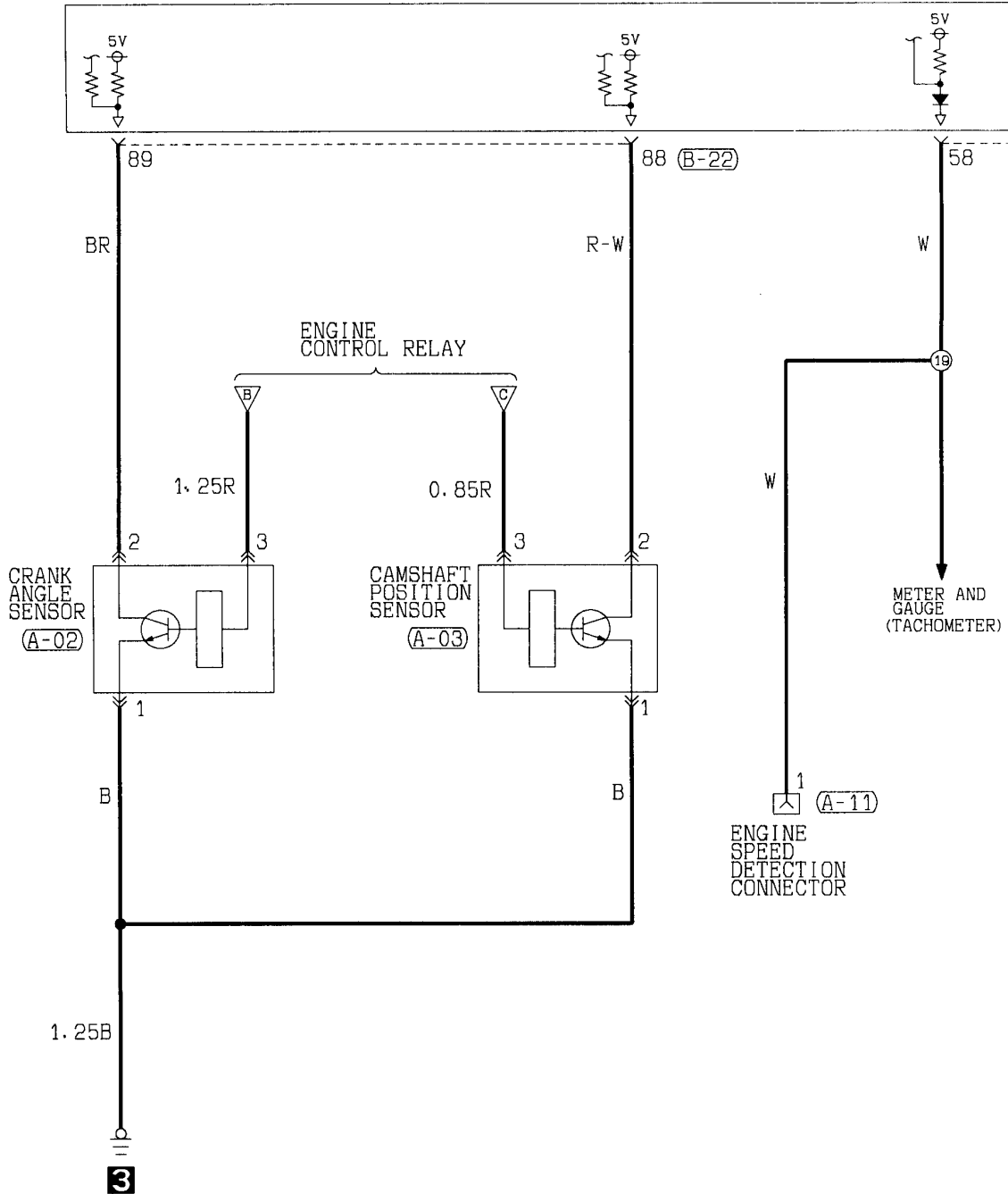
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

MPI SYSTEM <MPI-SOHC (Vehicles without TCL)> (CONTINUED)

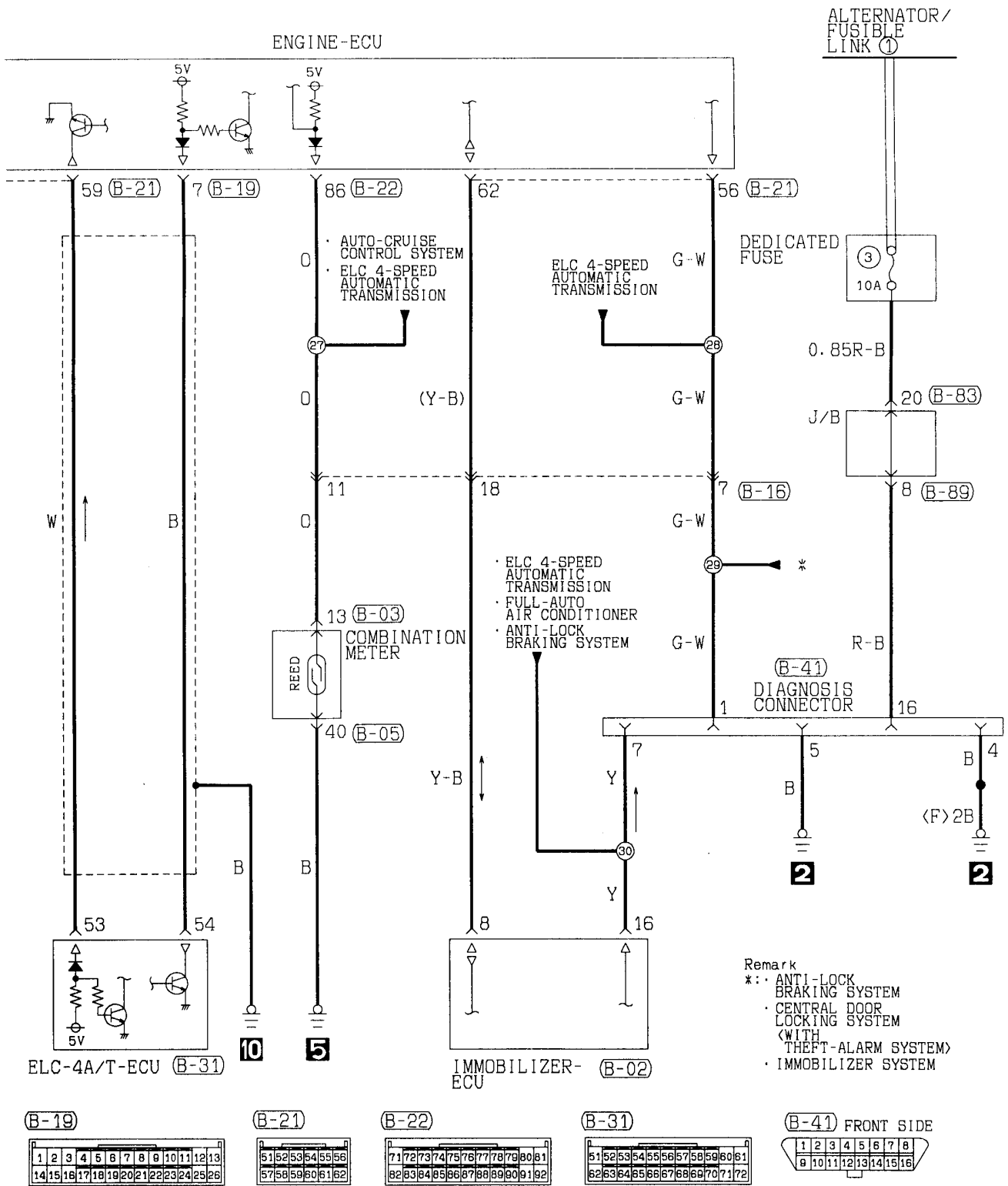




MPI SYSTEM <MPI-SOHC (Vehicles without TCL)> (CONTINUED)



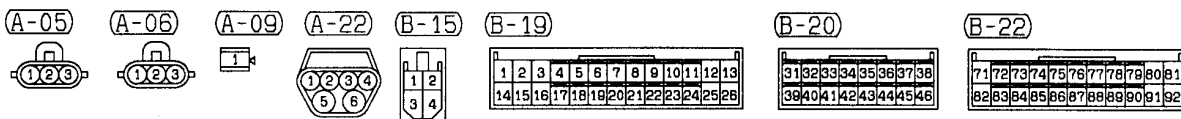
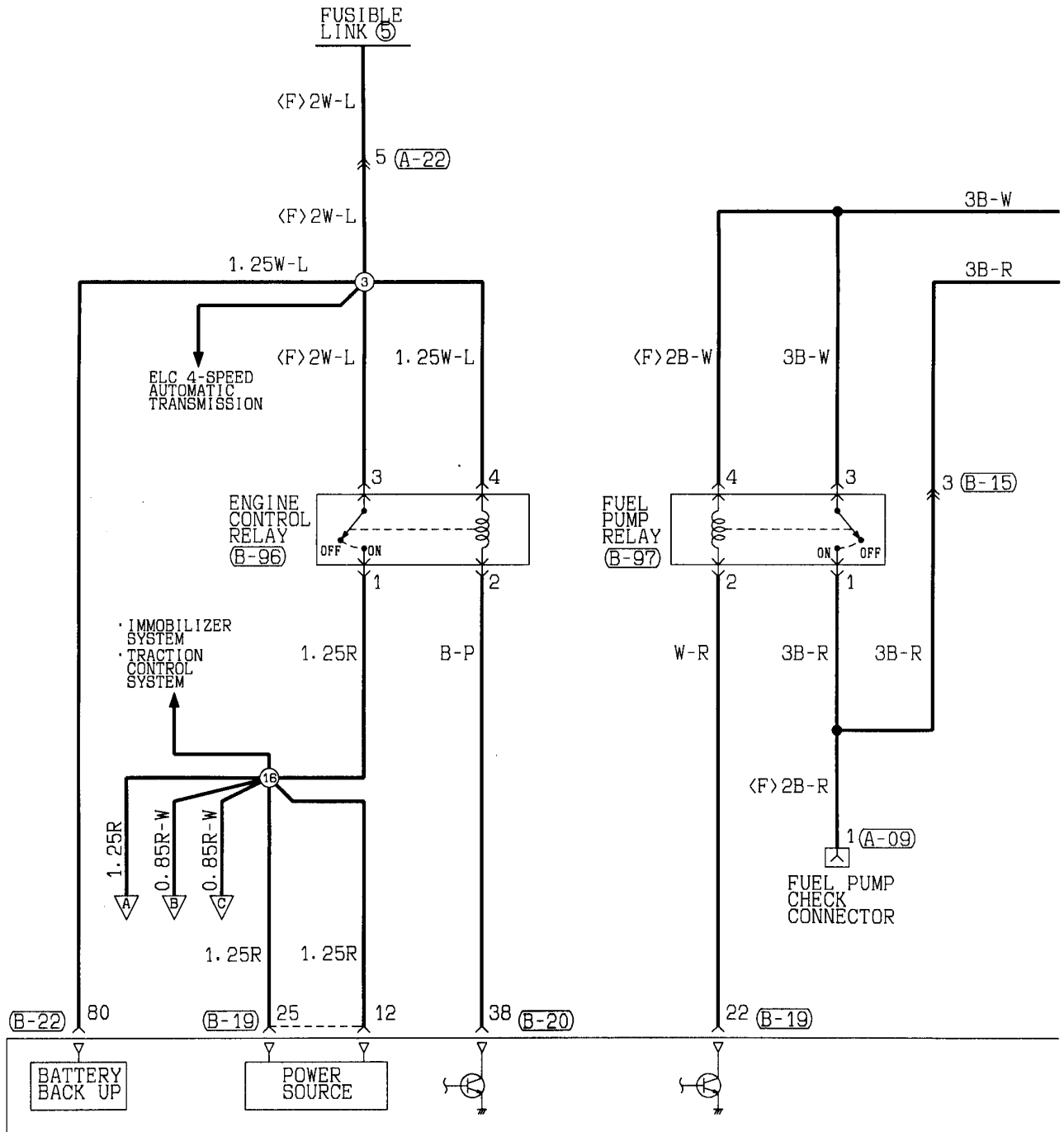




MPI SYSTEM

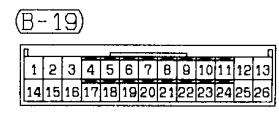
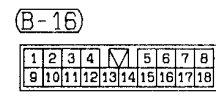
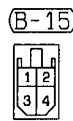
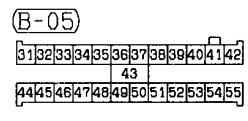
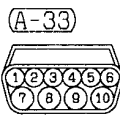
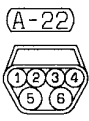
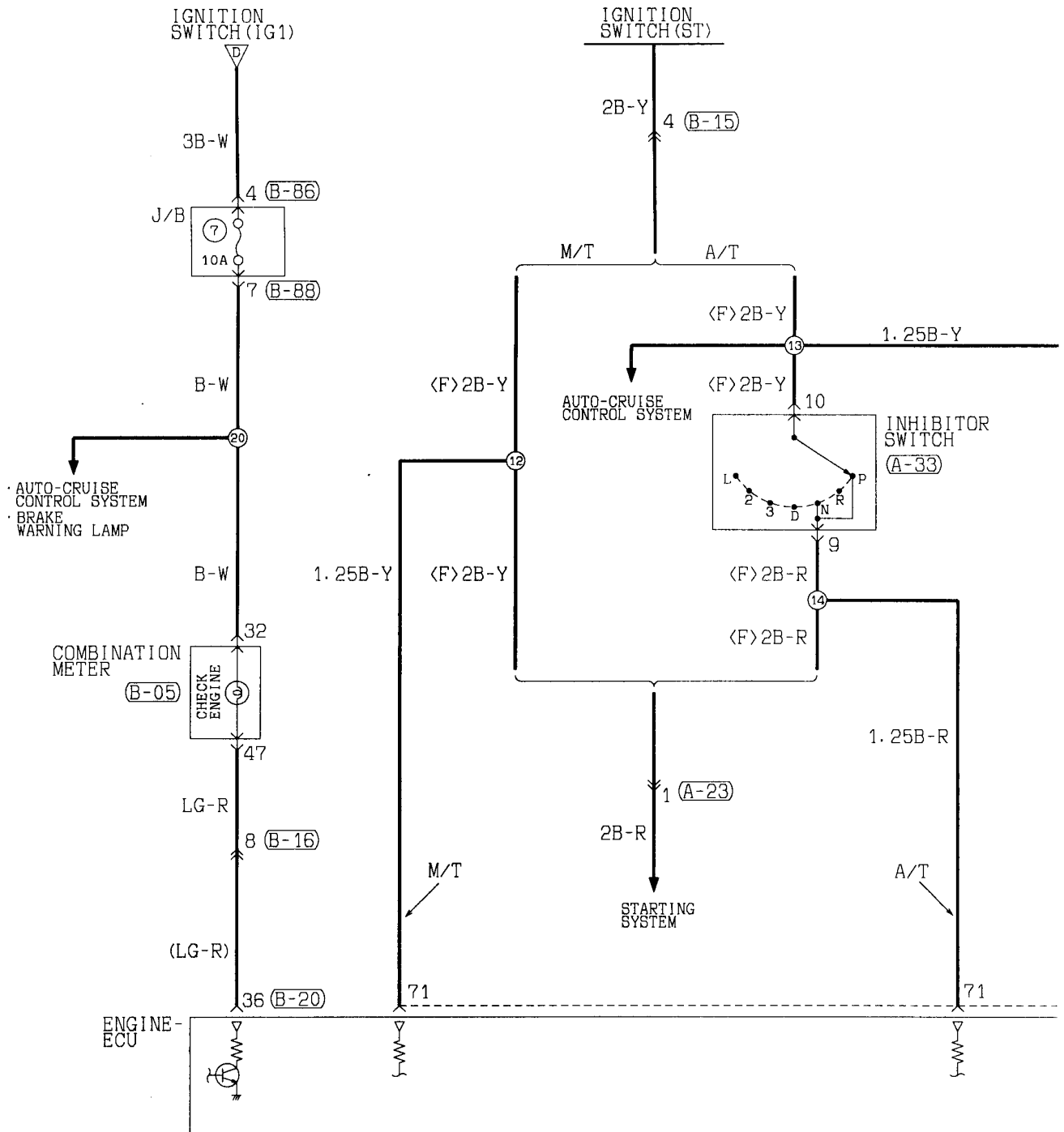
90100080540

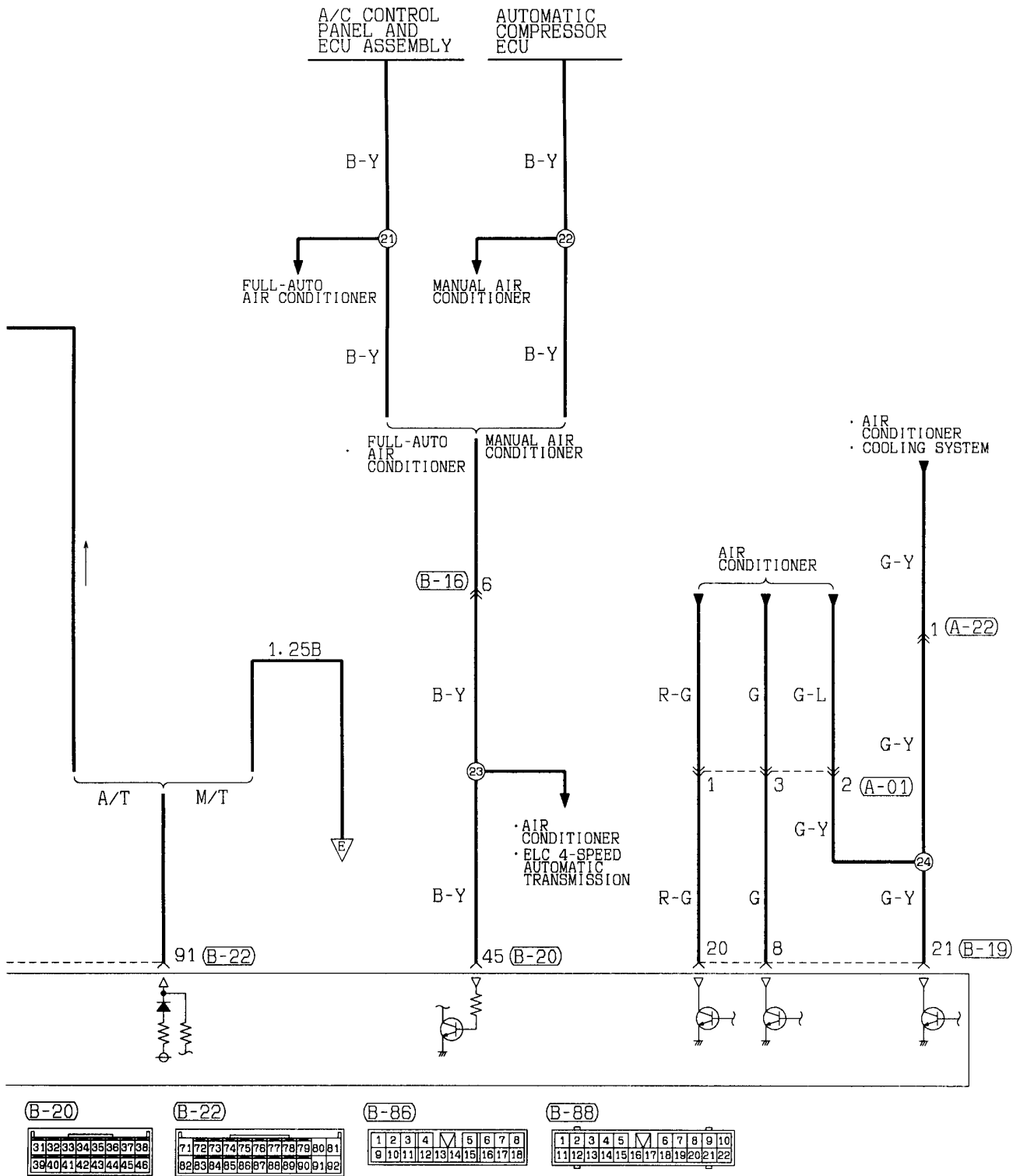
MPI-SOHC <Vehicles with TCL>



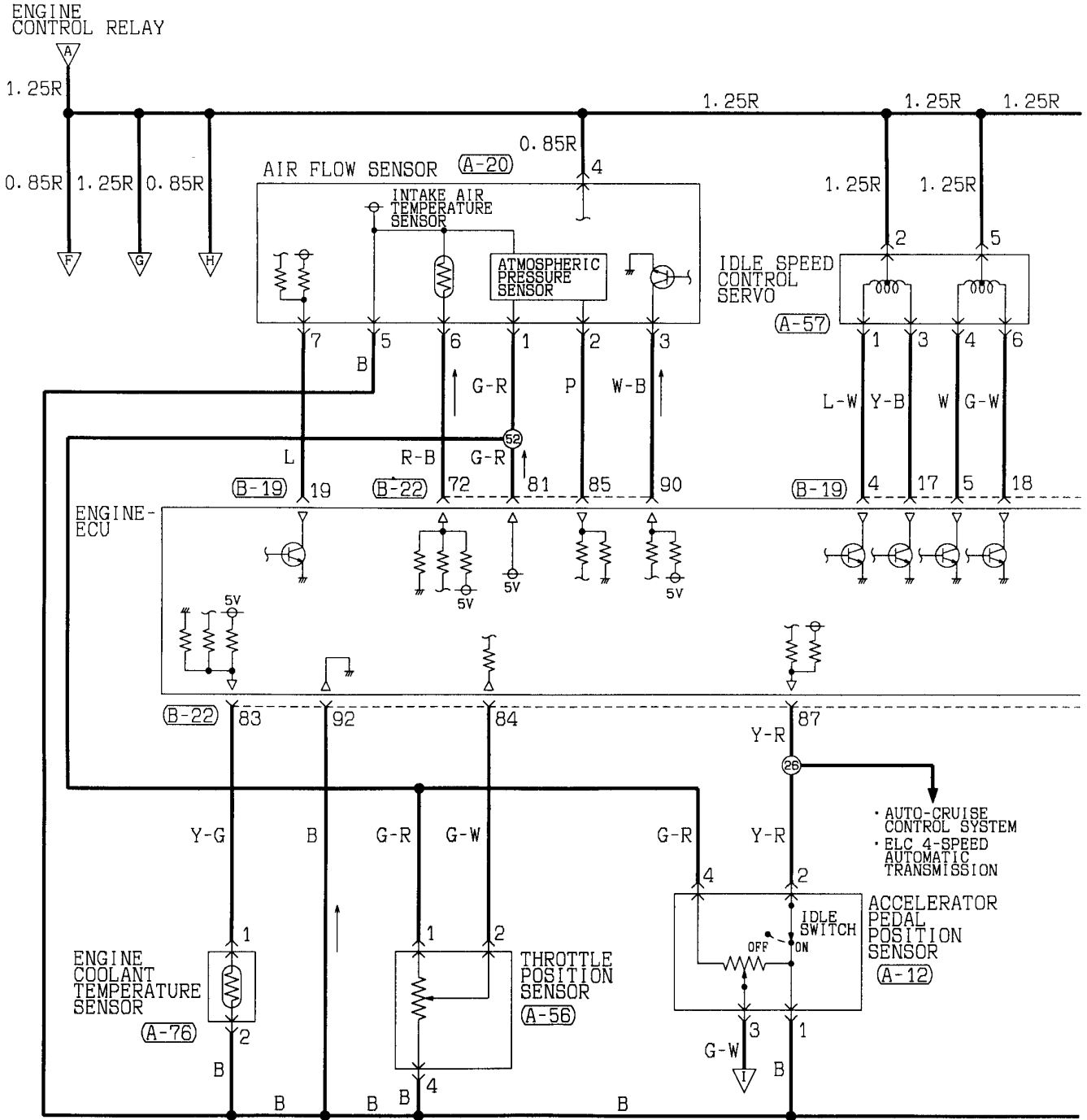


MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)

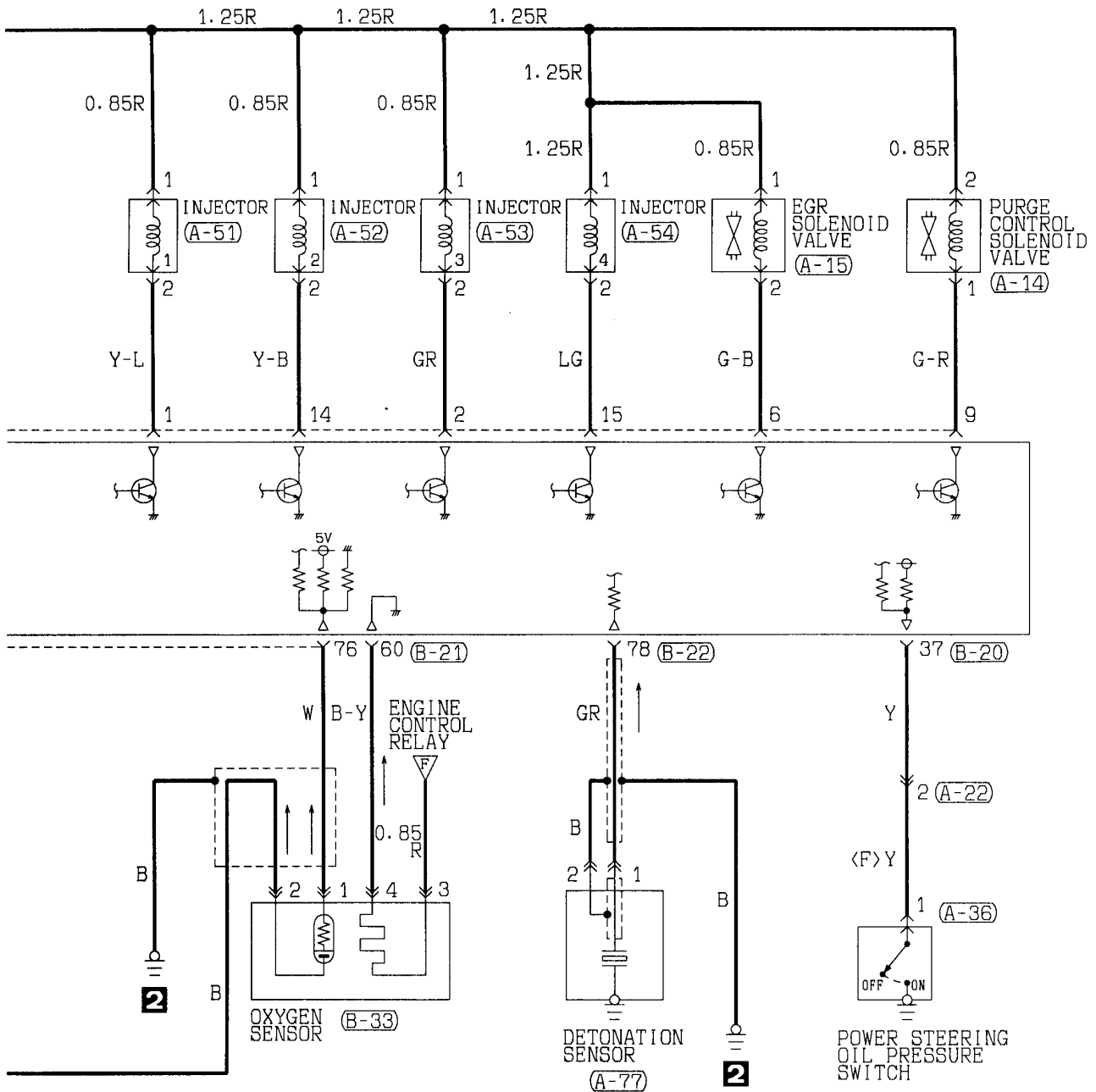




MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)



- (A-12)
- (A-14)
- (A-15)
- (A-20)
- (A-22)
- (A-36)
- (A-51)
- (A-52)
- (A-53)
- (A-54)
- (A-56)
- (A-57)



(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-20)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

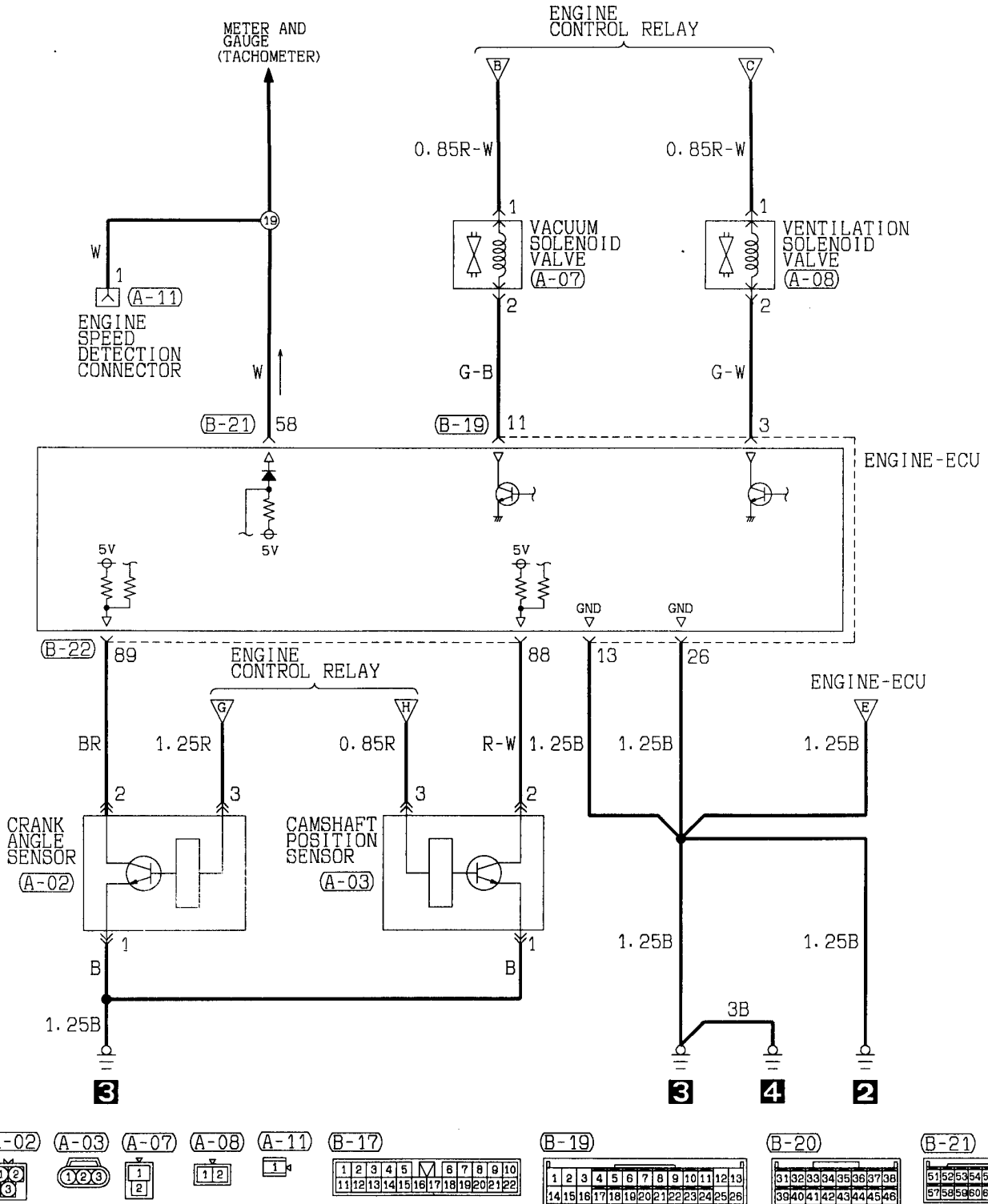
(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

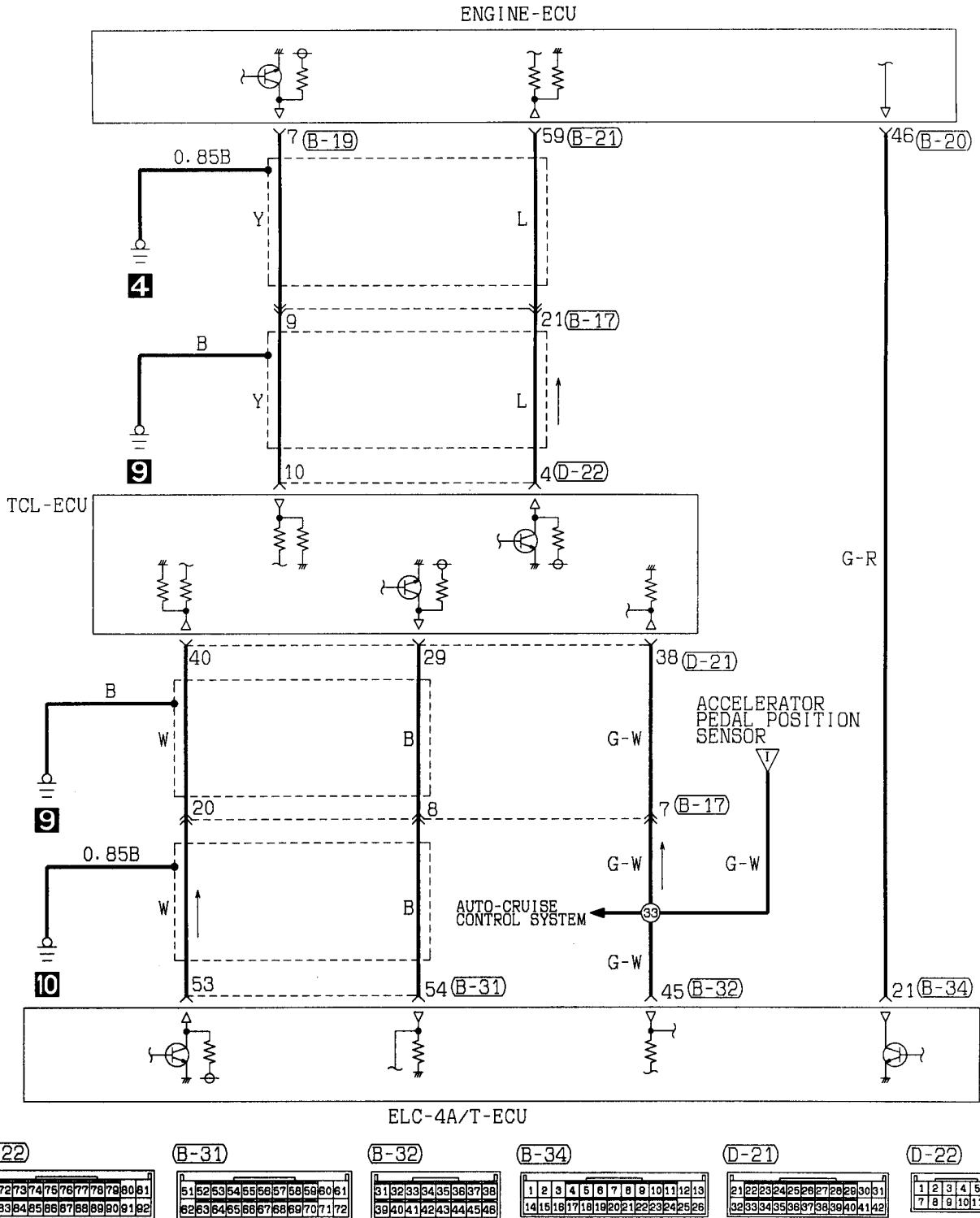
(B-33)



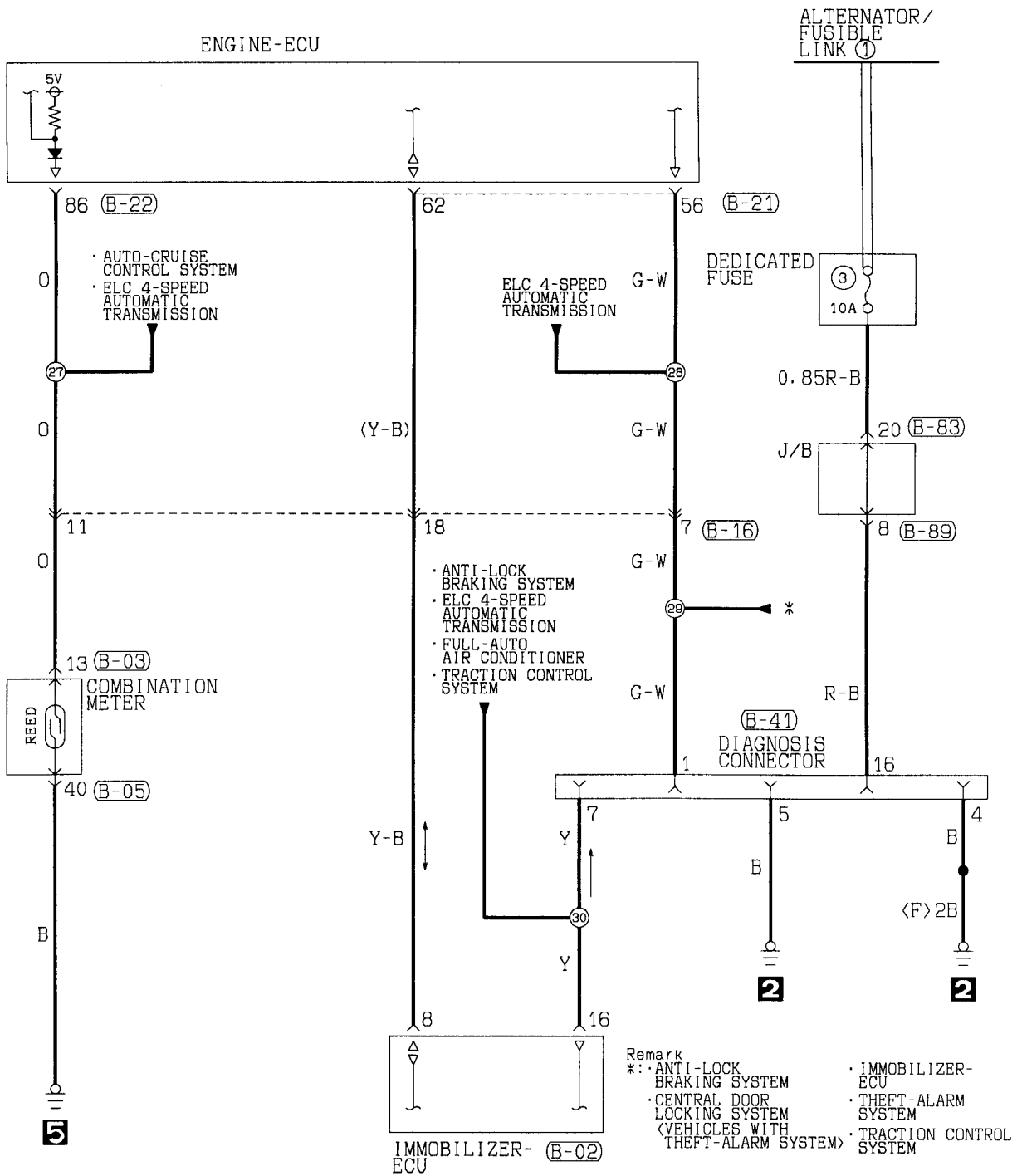
MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)





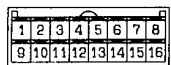


MPI SYSTEM <MPI-SOHC (Vehicles with TCL)> (CONTINUED)

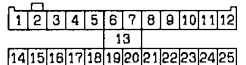


Remark  
 \* : ANTI-LOCK BRAKING SYSTEM  
 · CENTRAL DOOR LOCKING SYSTEM (VEHICLES WITH THEFT-ALARM SYSTEM)  
 · IMMOBILIZER-ECU  
 · THEFT-ALARM SYSTEM  
 · TRACTION CONTROL SYSTEM

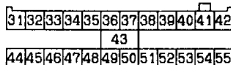
(B-02)



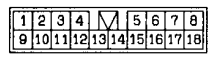
(B-03)



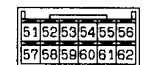
(B-05)



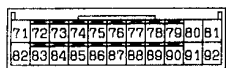
(B-16)



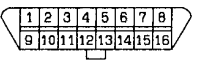
(B-21)



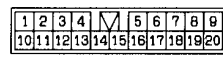
(B-22)



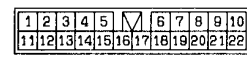
(B-41) FRONT SIDE



(B-83)



(B-89)

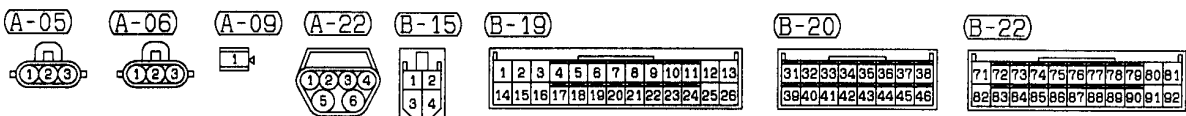
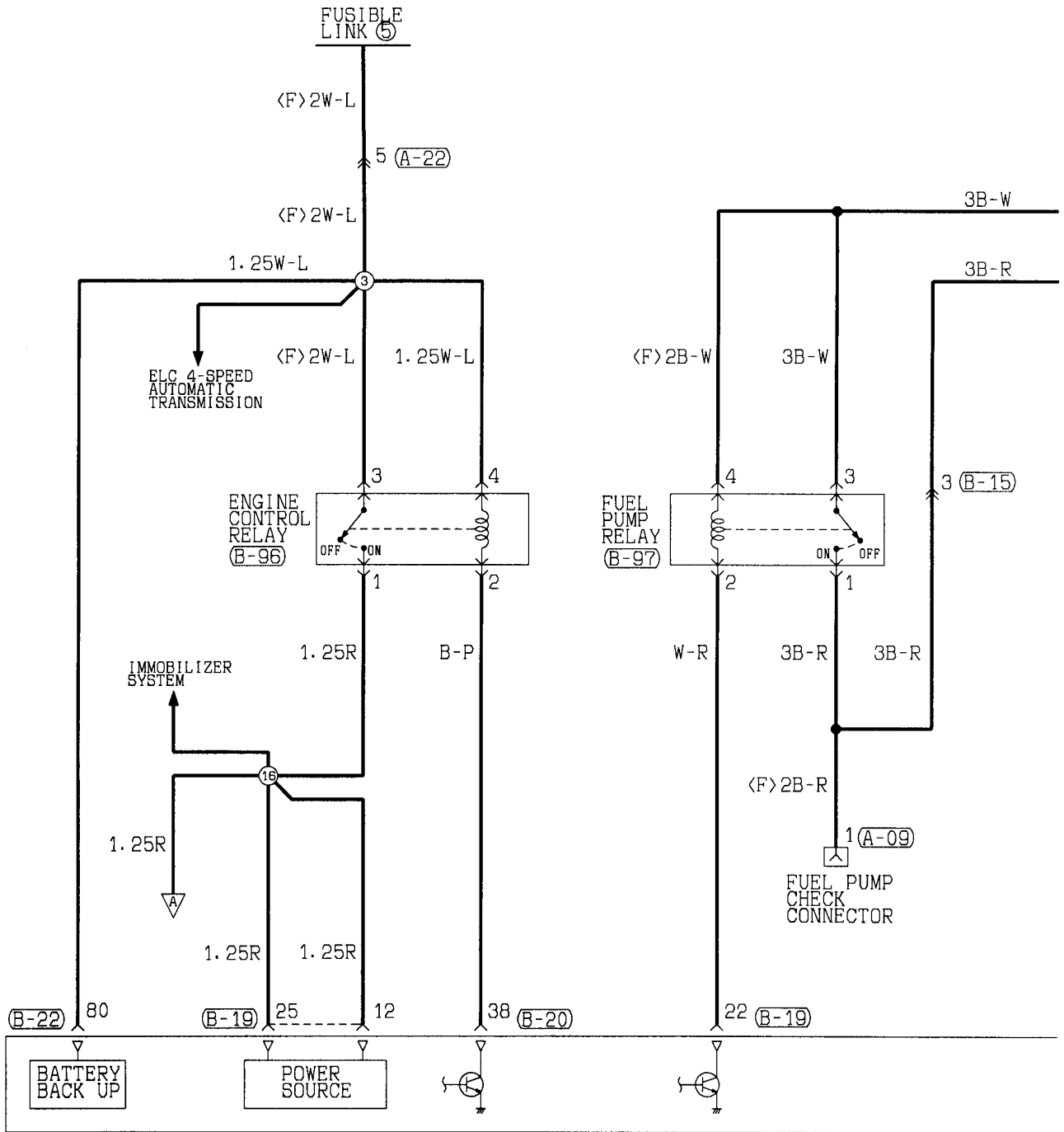


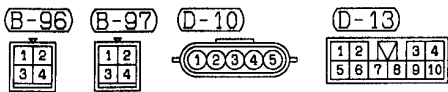
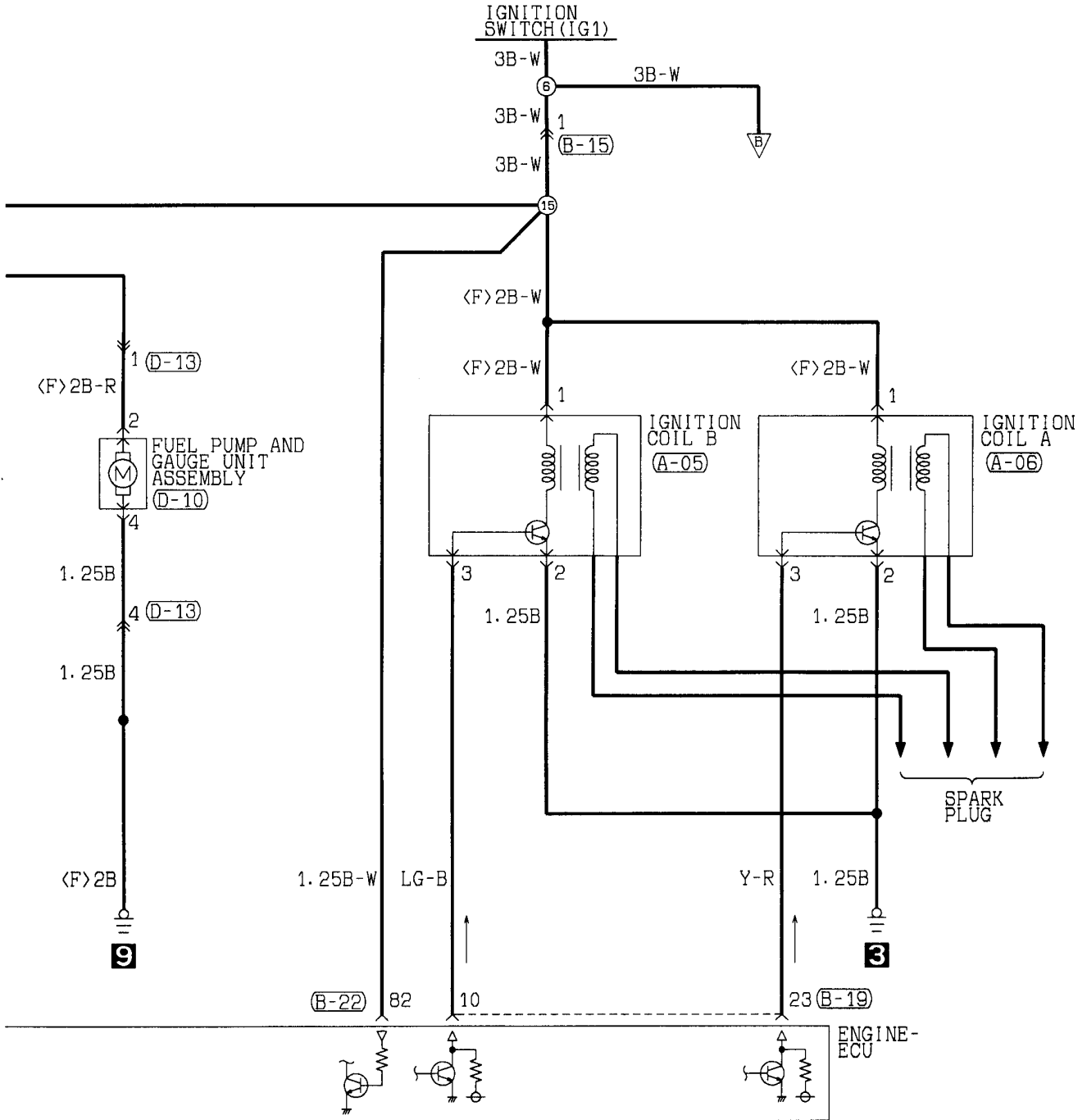
NOTES

MPI SYSTEM

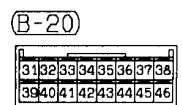
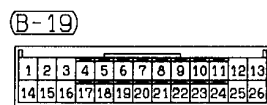
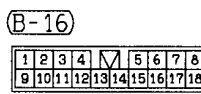
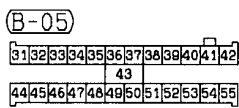
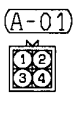
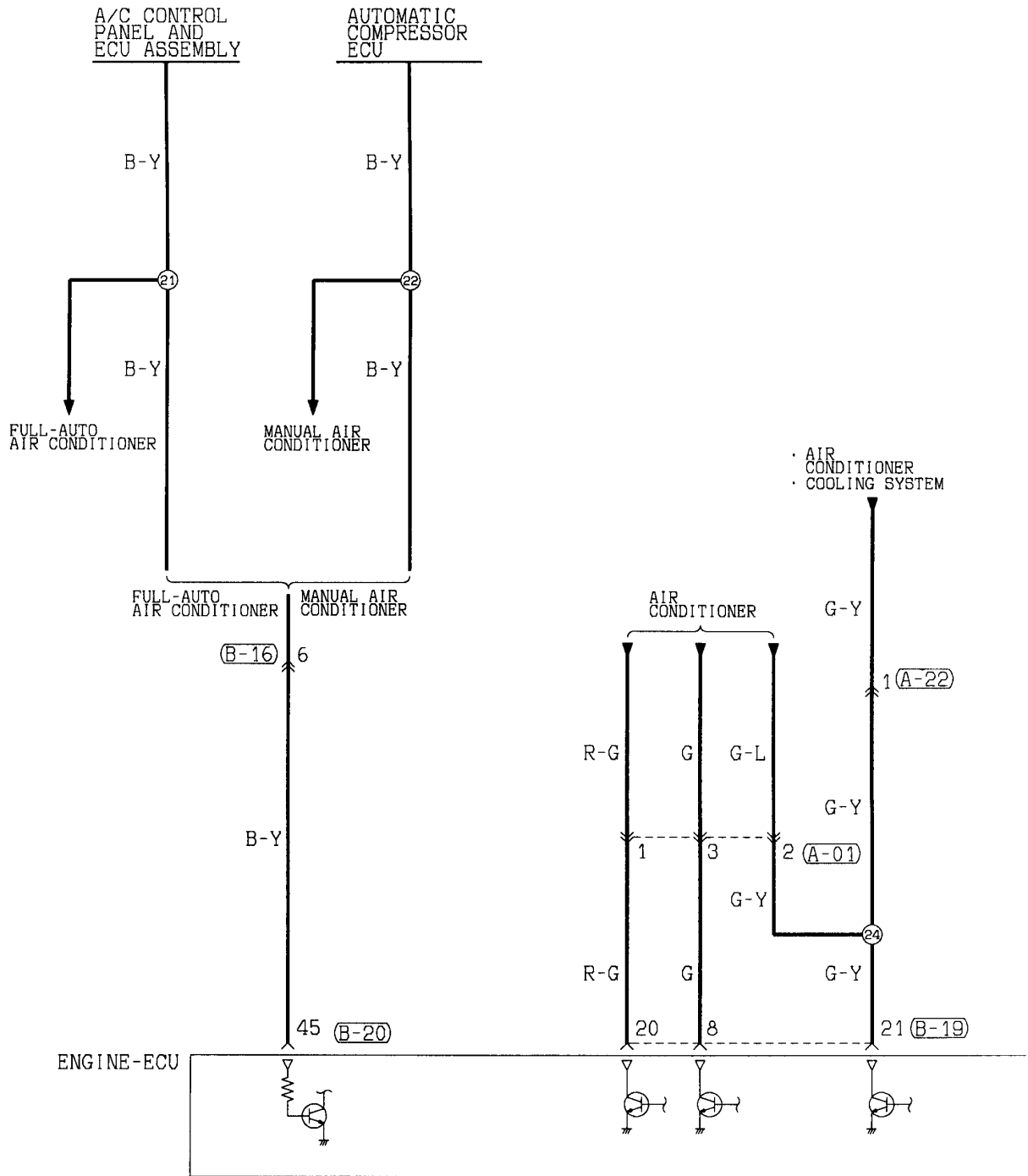
90100080557

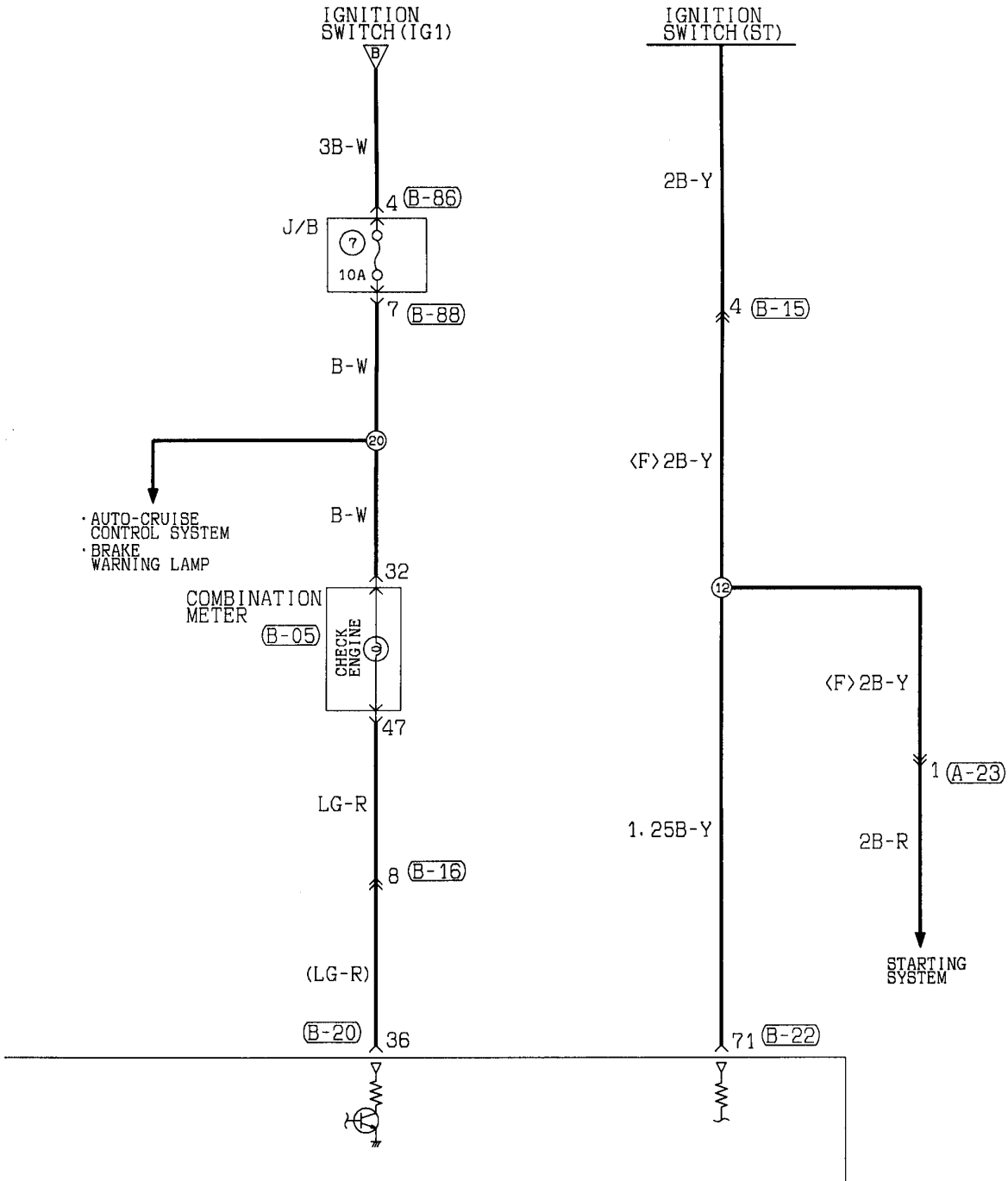
MPI-DOHC





MPI SYSTEM <MPI-DOHC> (CONTINUED)





(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

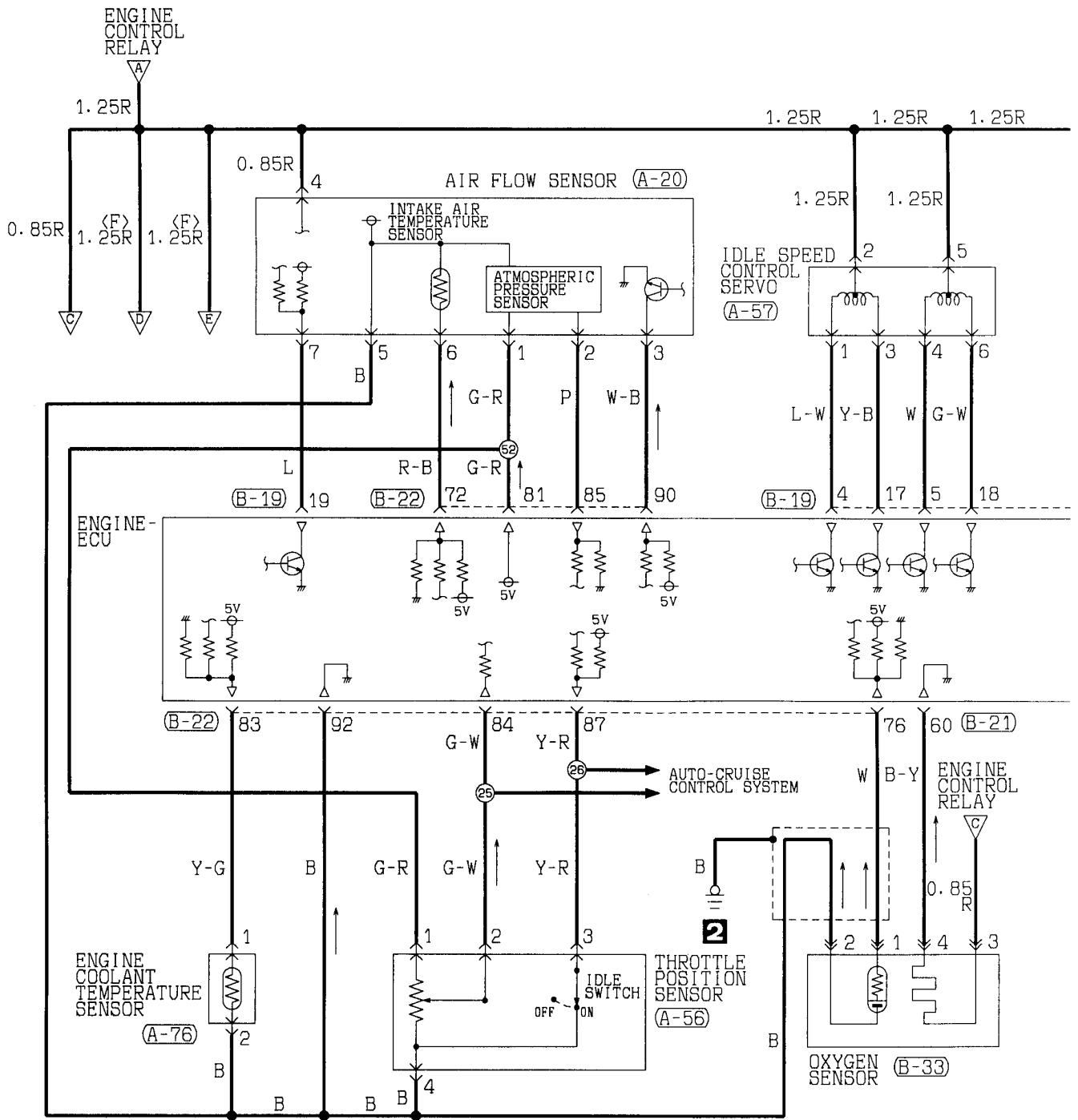
(B-86)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-88)

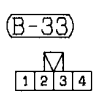
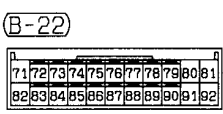
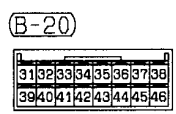
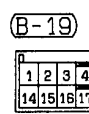
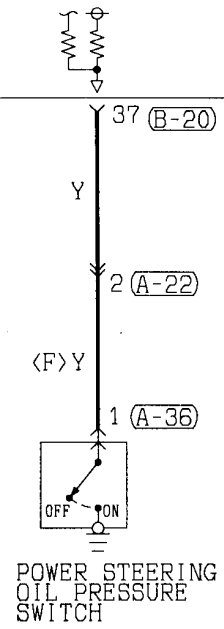
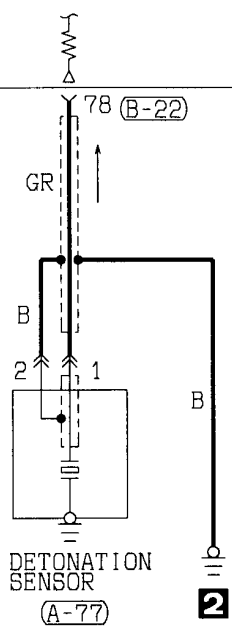
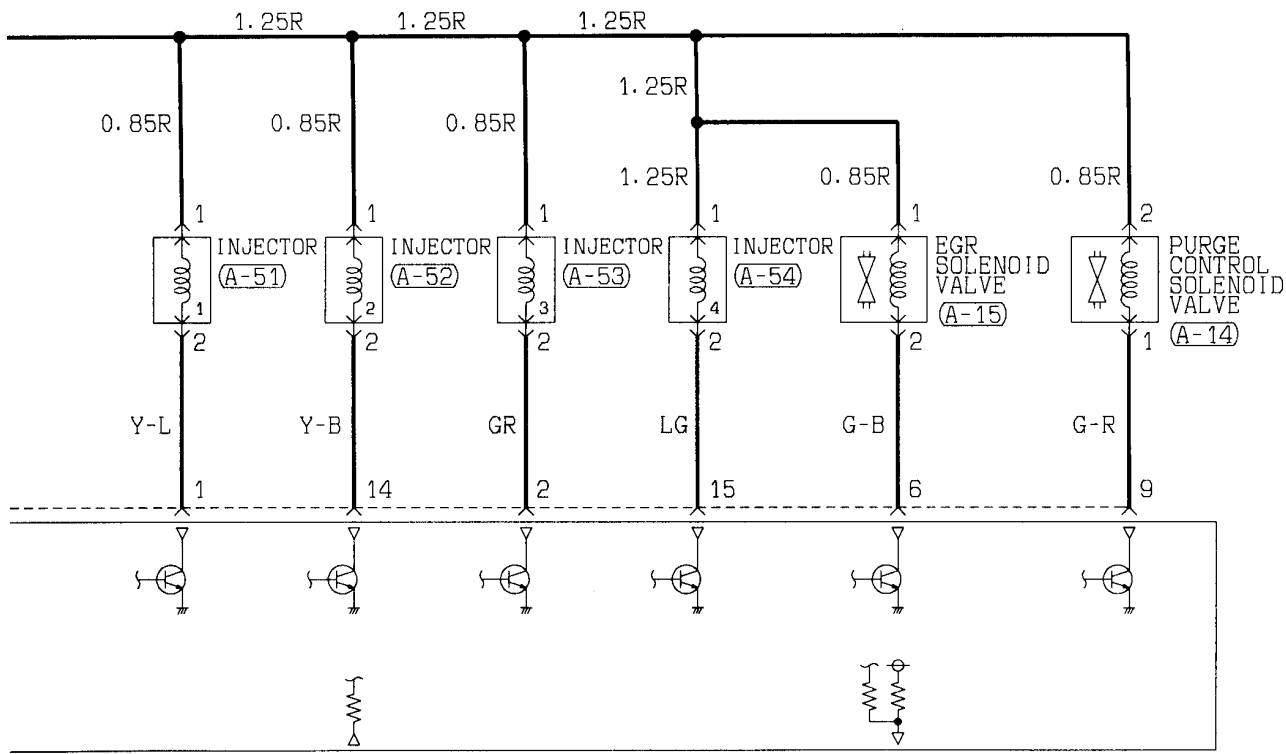
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

MPI SYSTEM <MPI-DOHC> (CONTINUED)

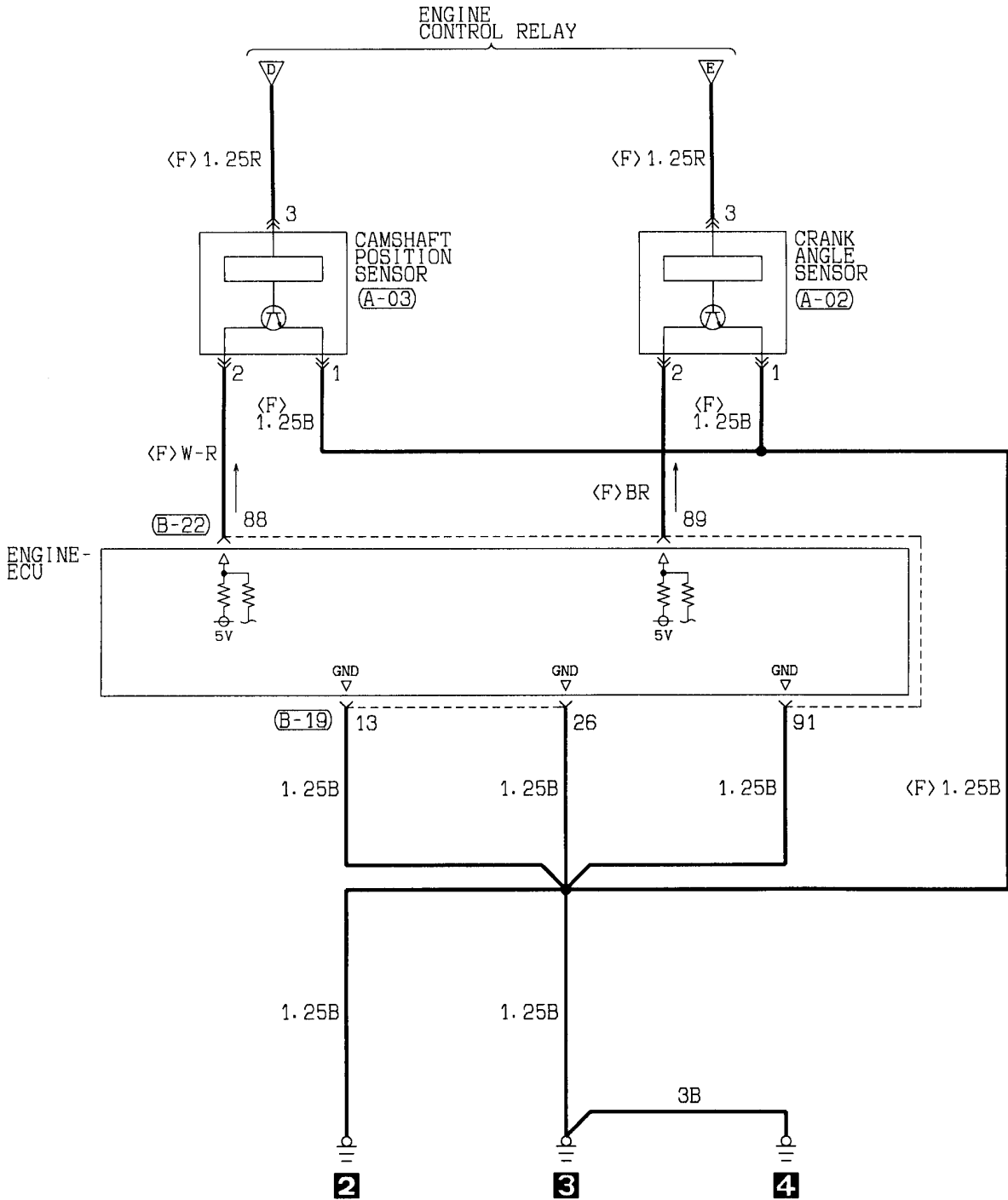


- (A-14)
- (A-15)
- (A-20)
- (A-22)
- (A-36)
- (A-51)
- (A-52)
- (A-53)
- (A-54)
- (A-56)
- (A-57)
- (A-76)





MPI SYSTEM <MPI-DOHC> (CONTINUED)



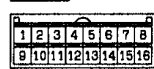
(A-02)



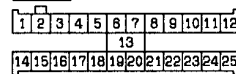
(A-03)



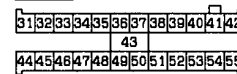
(B-02)



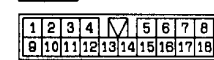
(B-03)



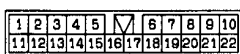
(B-05)

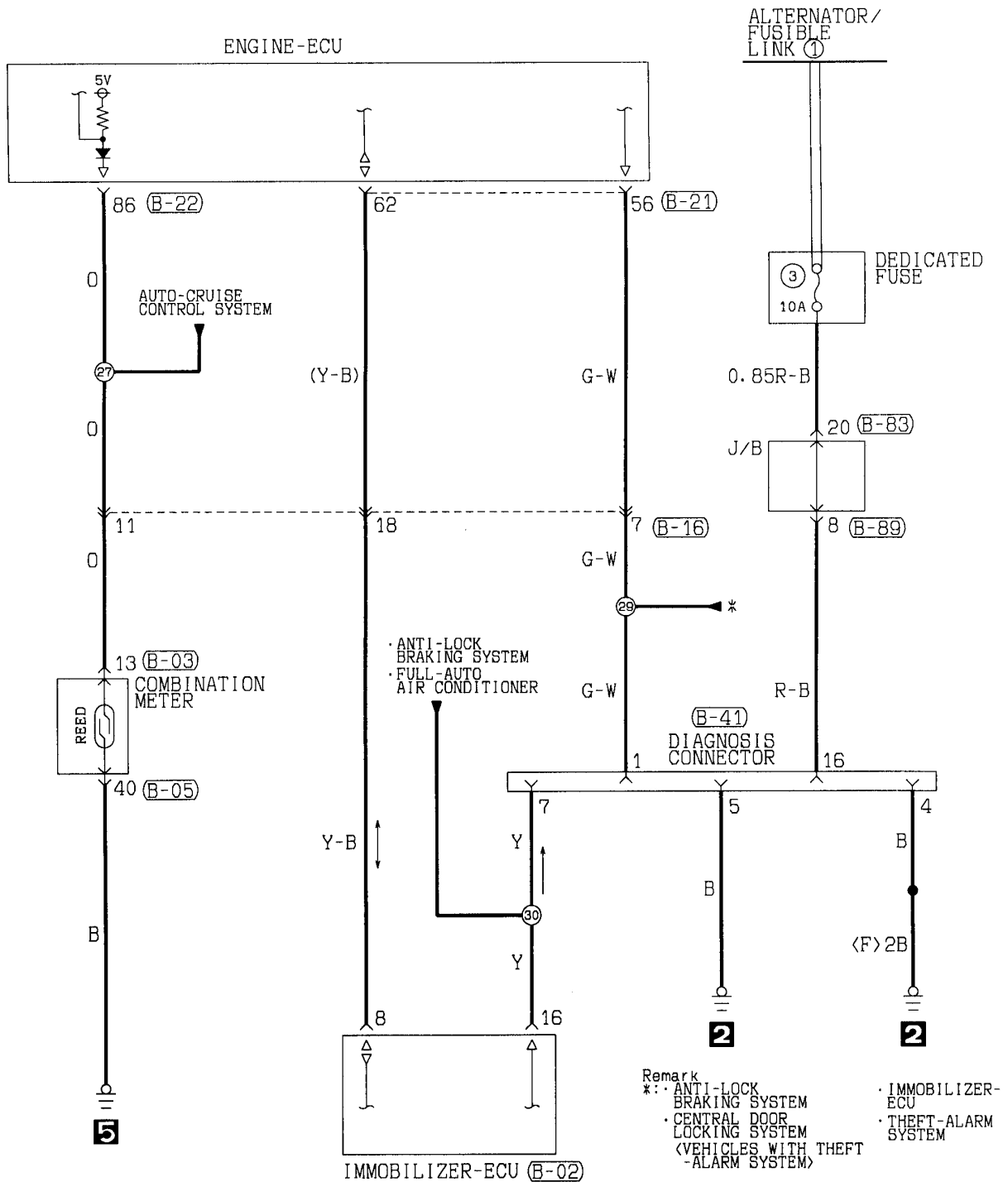


(B-16)



(B-89)





(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(B-41) FRONT SIDE

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

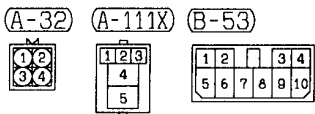
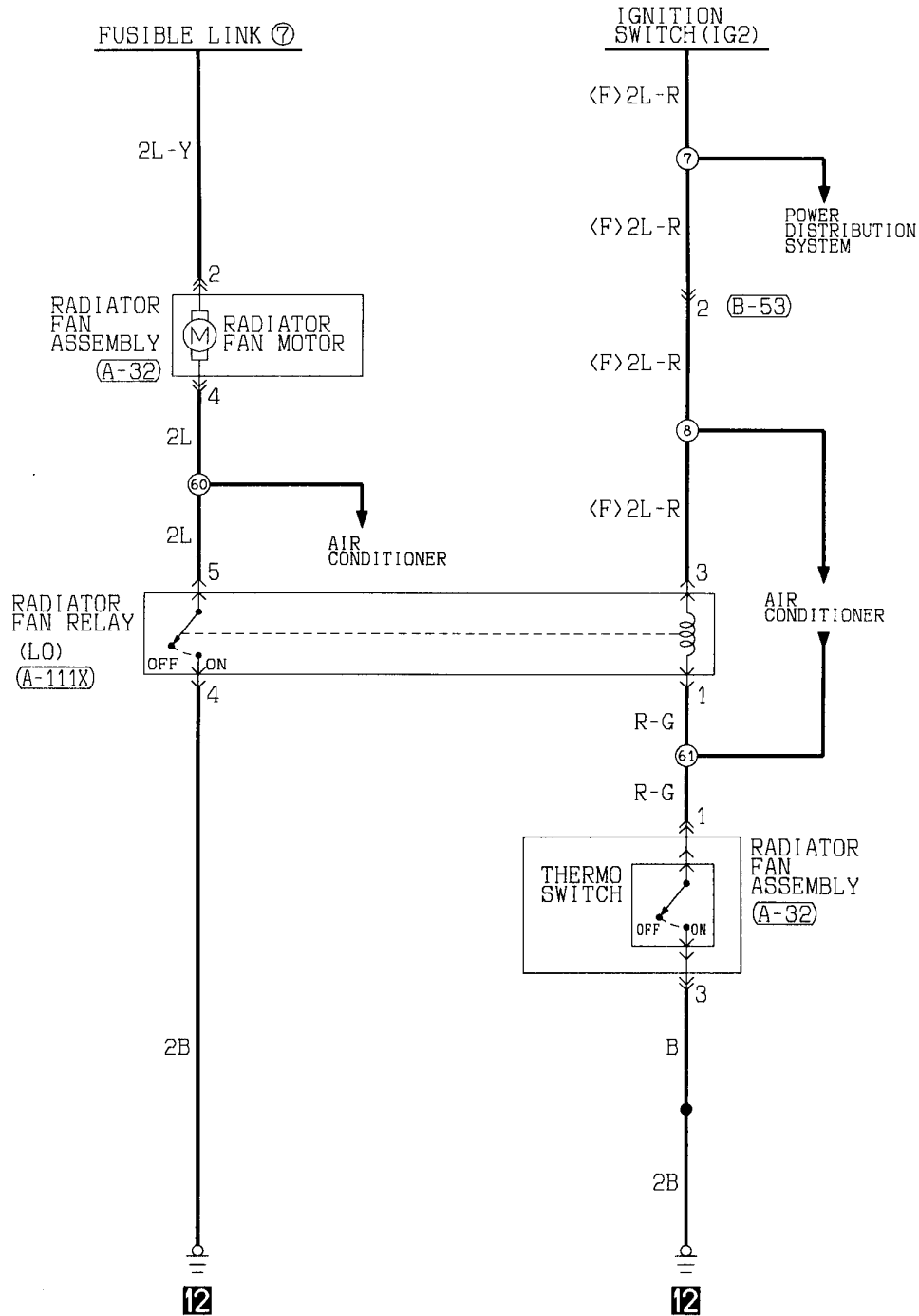
(B-83)

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

COOLING SYSTEM

90100100284

Diesel-powered vehicles



**COOLING SYSTEM <Diesel powered vehicles> (See P. 4-54.)****OPERATION**

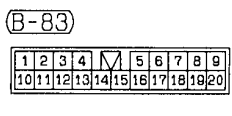
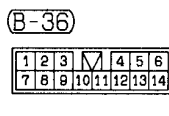
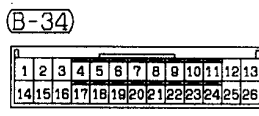
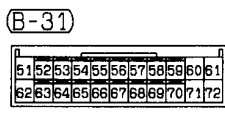
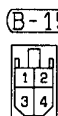
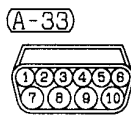
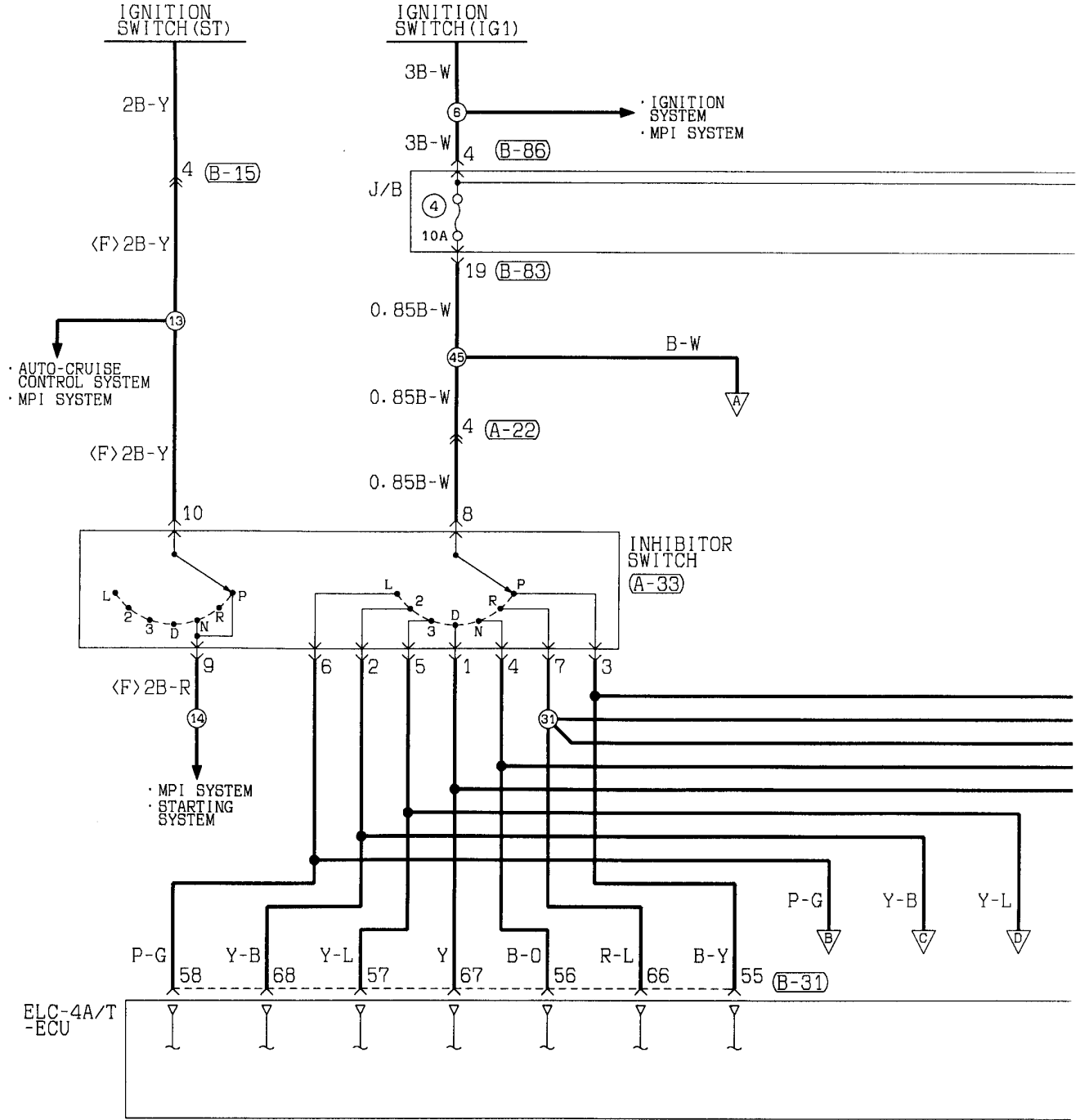
- When the engine coolant temperature rises, the radiator thermo switch is switched on.
- Then, the radiator fan relay (LO) is switched on and the radiator fan rotates.

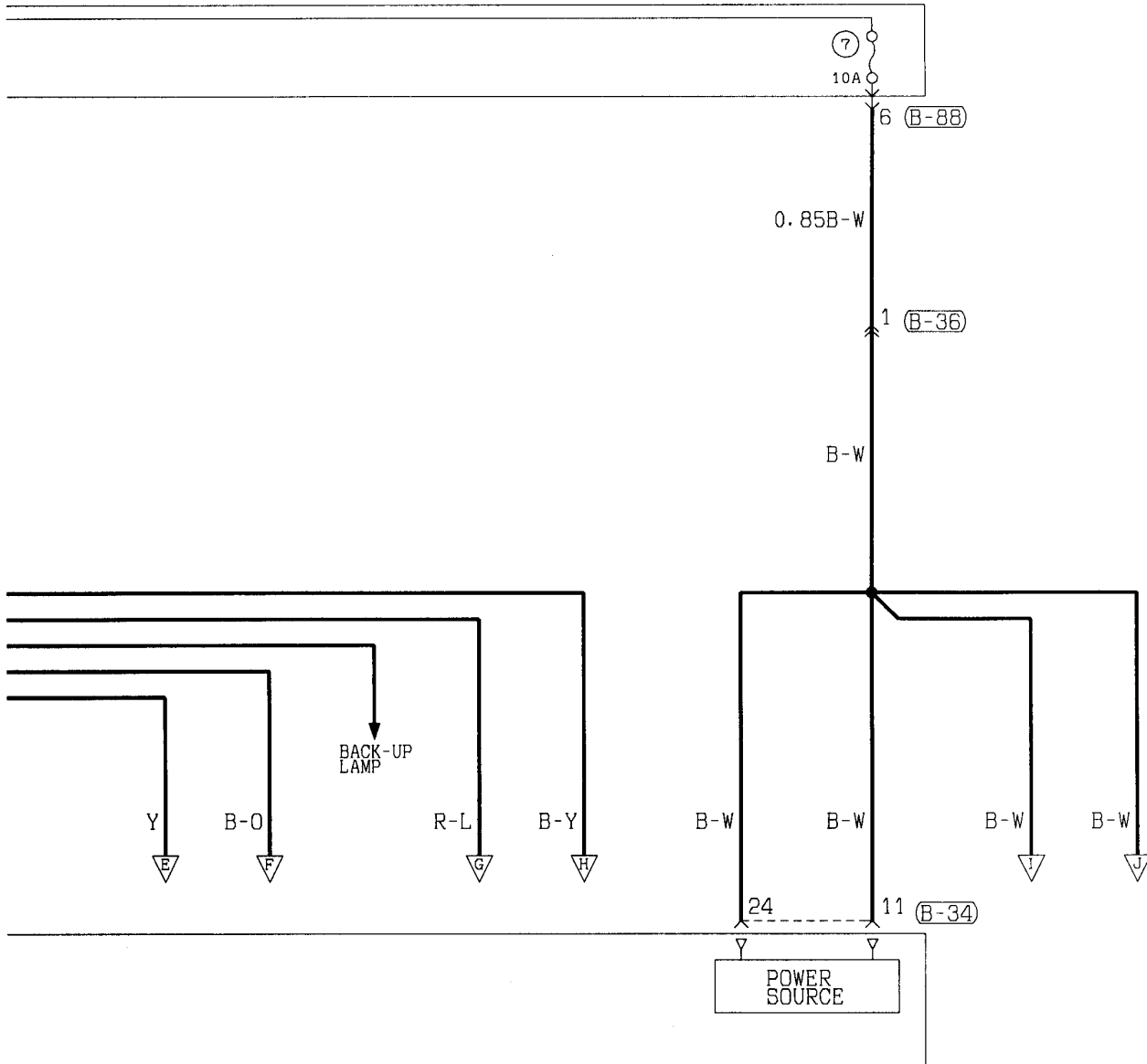
**TROUBLESHOOTING HINTS**

1. The radiator fan does not operate.
  - 1) When the radiator fan connector is disconnected and the "4" terminal is earthed, the fan rotates.
    - Check thermo switch.
    - Check radiator fan relay (LO).
  - 2) Even if the "4" terminal is earthed, the fan does not rotate.
    - Check fusible link No. (7).
    - Check radiator fan motor.

ELC 4-SPEED AUTOMATIC TRANSMISSION

90100120235





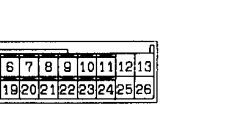
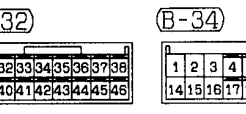
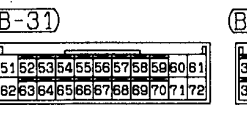
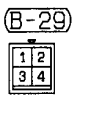
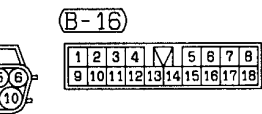
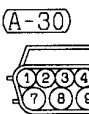
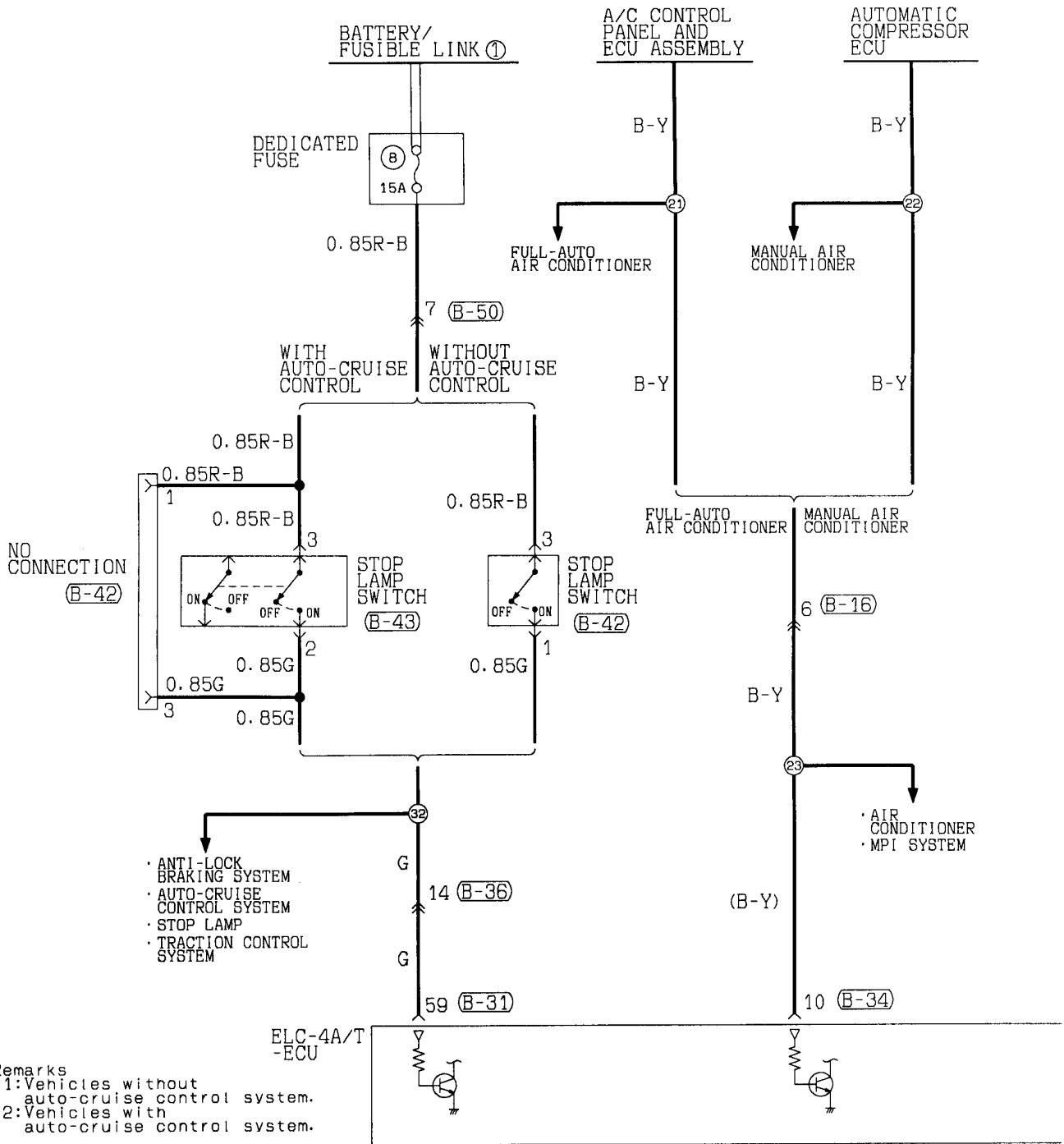
(B-86)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-88)

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

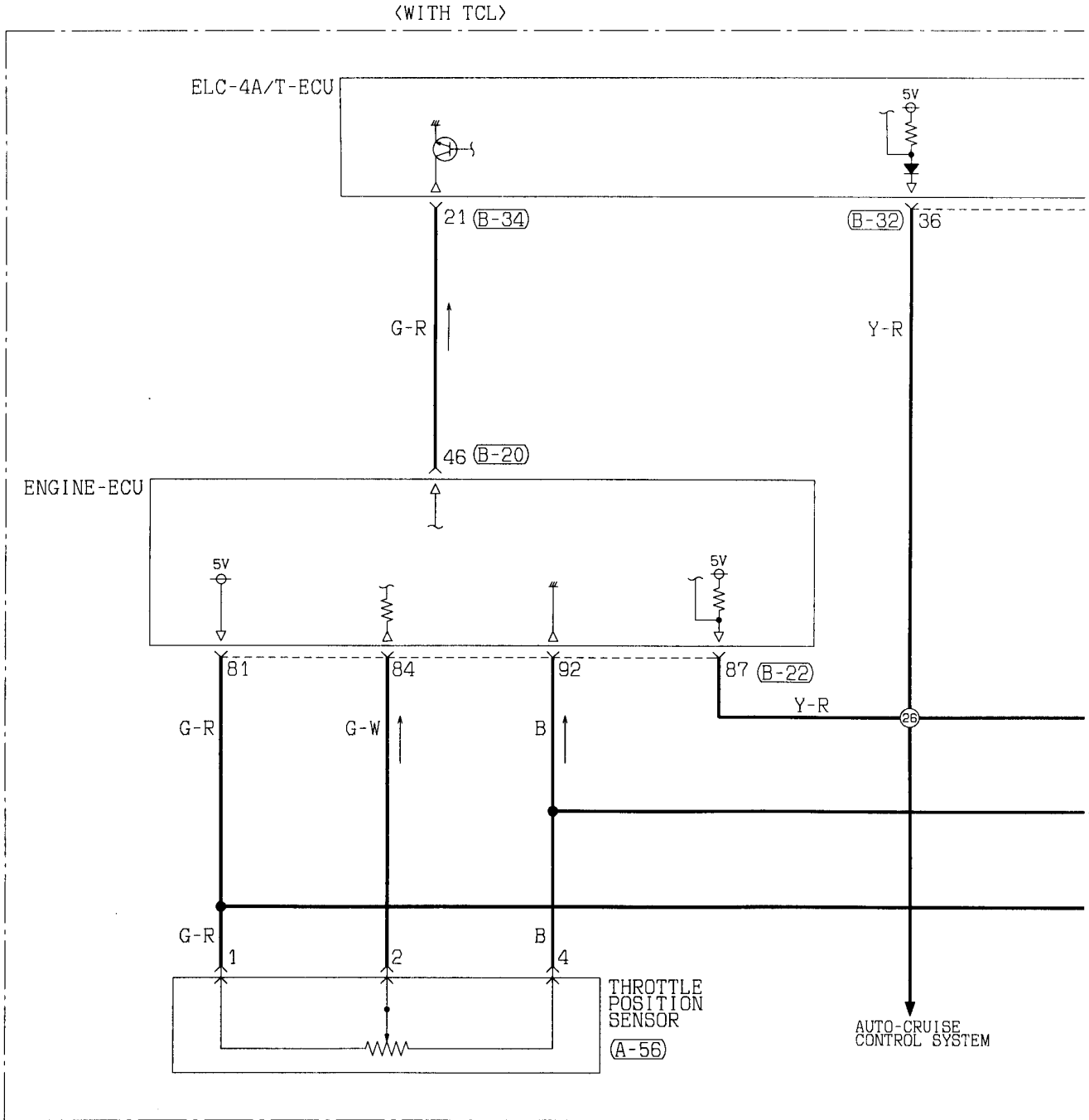
ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)







ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



(A-12)

1	2	3	4
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(A-56)

1	2	3	4
---	---	---	---

(B-17)

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

(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-20)

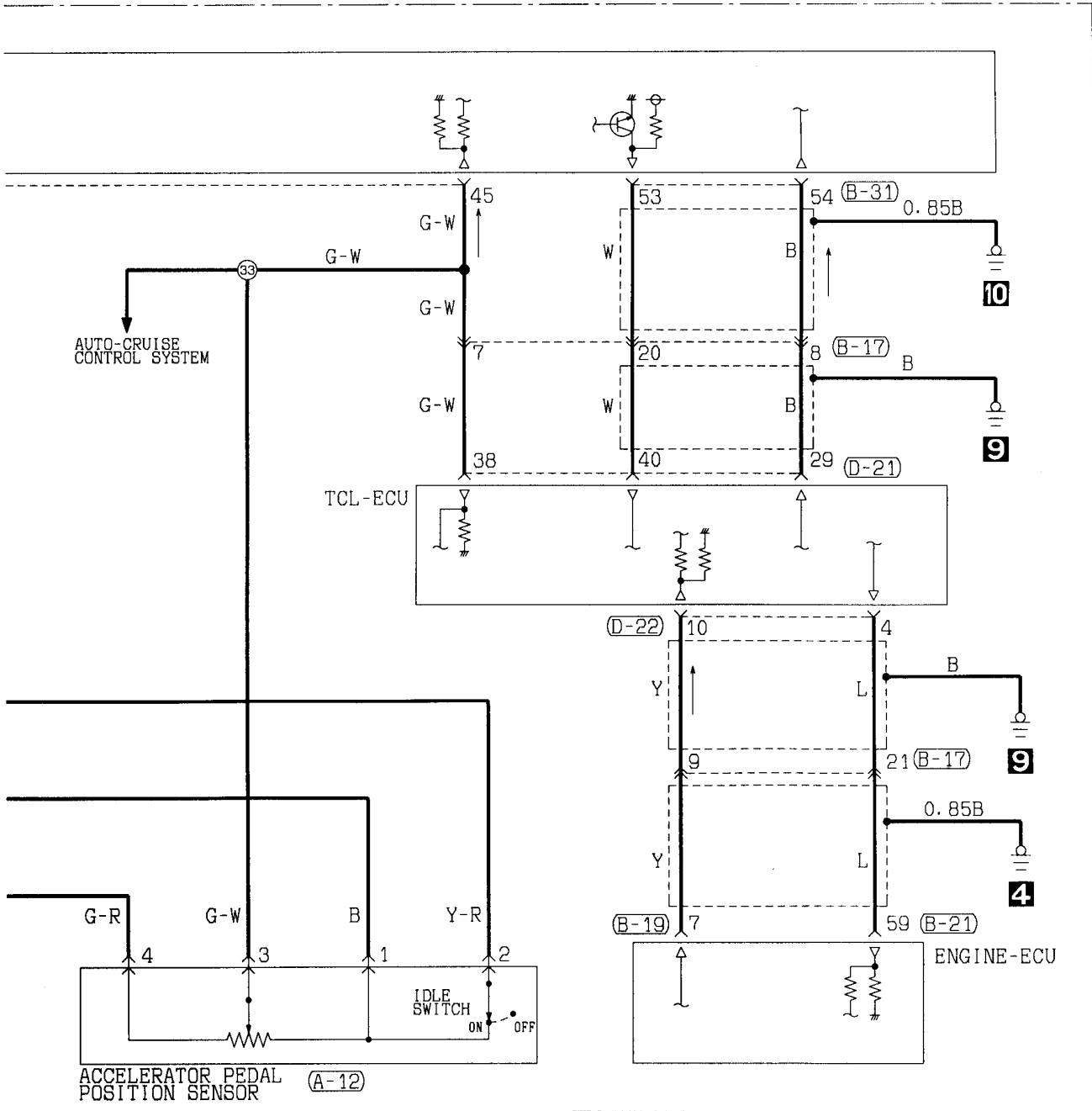
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

(D-22)

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



(B-22)

71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(B-31)

51	52	53	54	55	56	57	58	59	60	61
62	63	64	65	66	67	68	69	70	71	72

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-34)

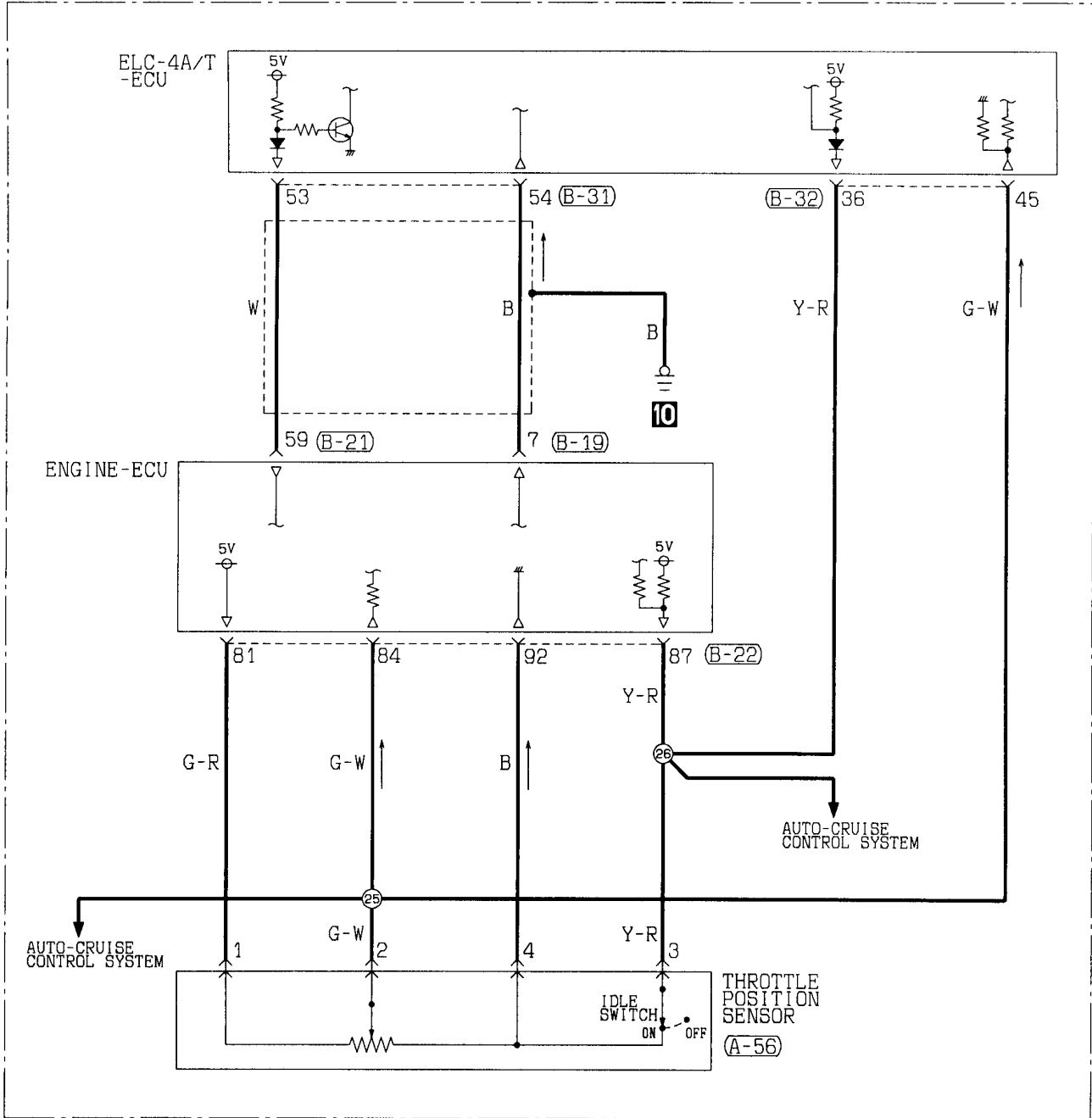
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(D-21)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)

<WITHOUT TCL>



(A-56)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-19)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-21)

51	52	53	54	55	56
57	58	59	60	61	62

(B-22)

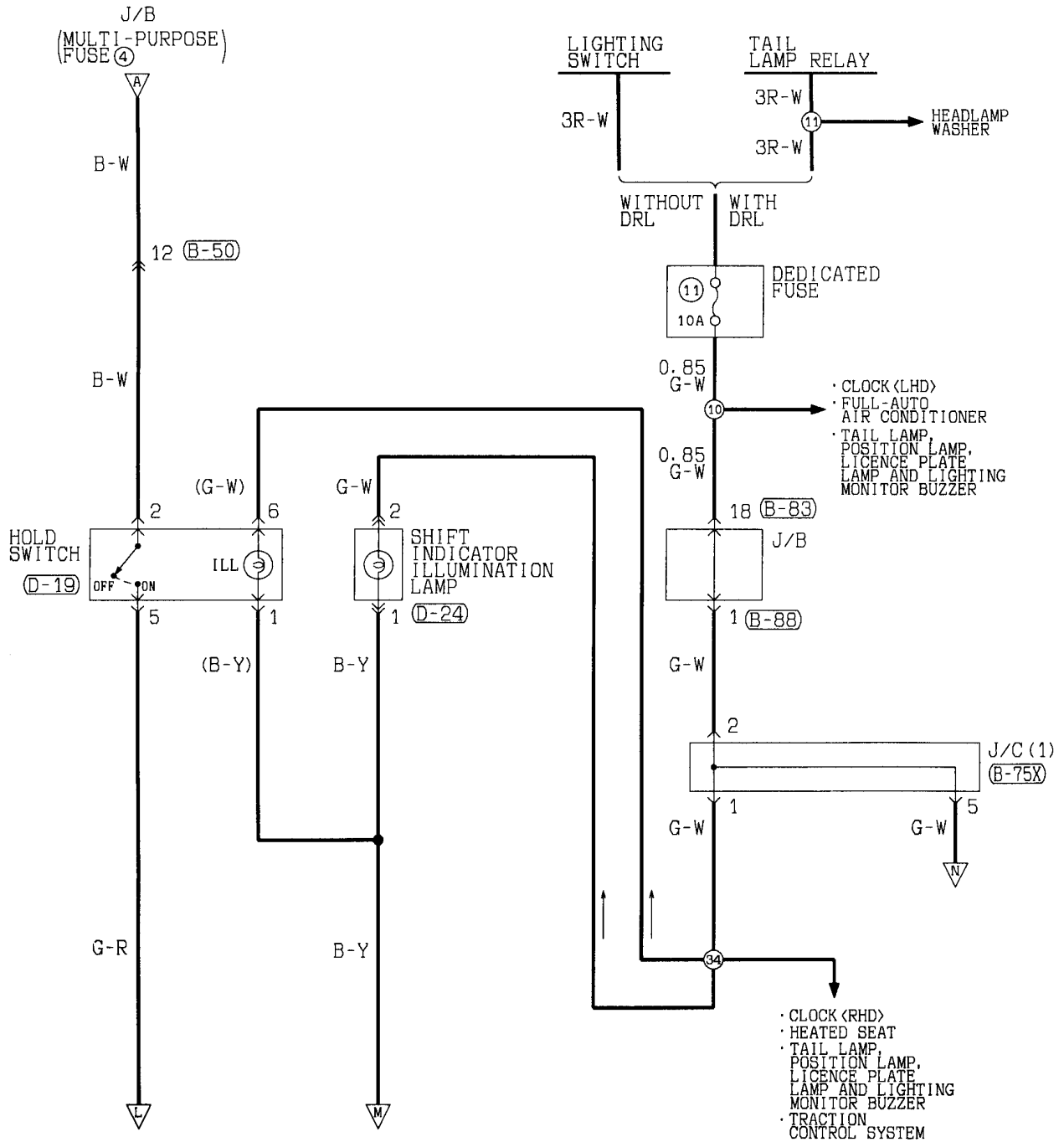
71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(B-31)

61	62	63	64	65	66	67	68	69	70	71	72
----	----	----	----	----	----	----	----	----	----	----	----

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46



(B-50)

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

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-88)

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

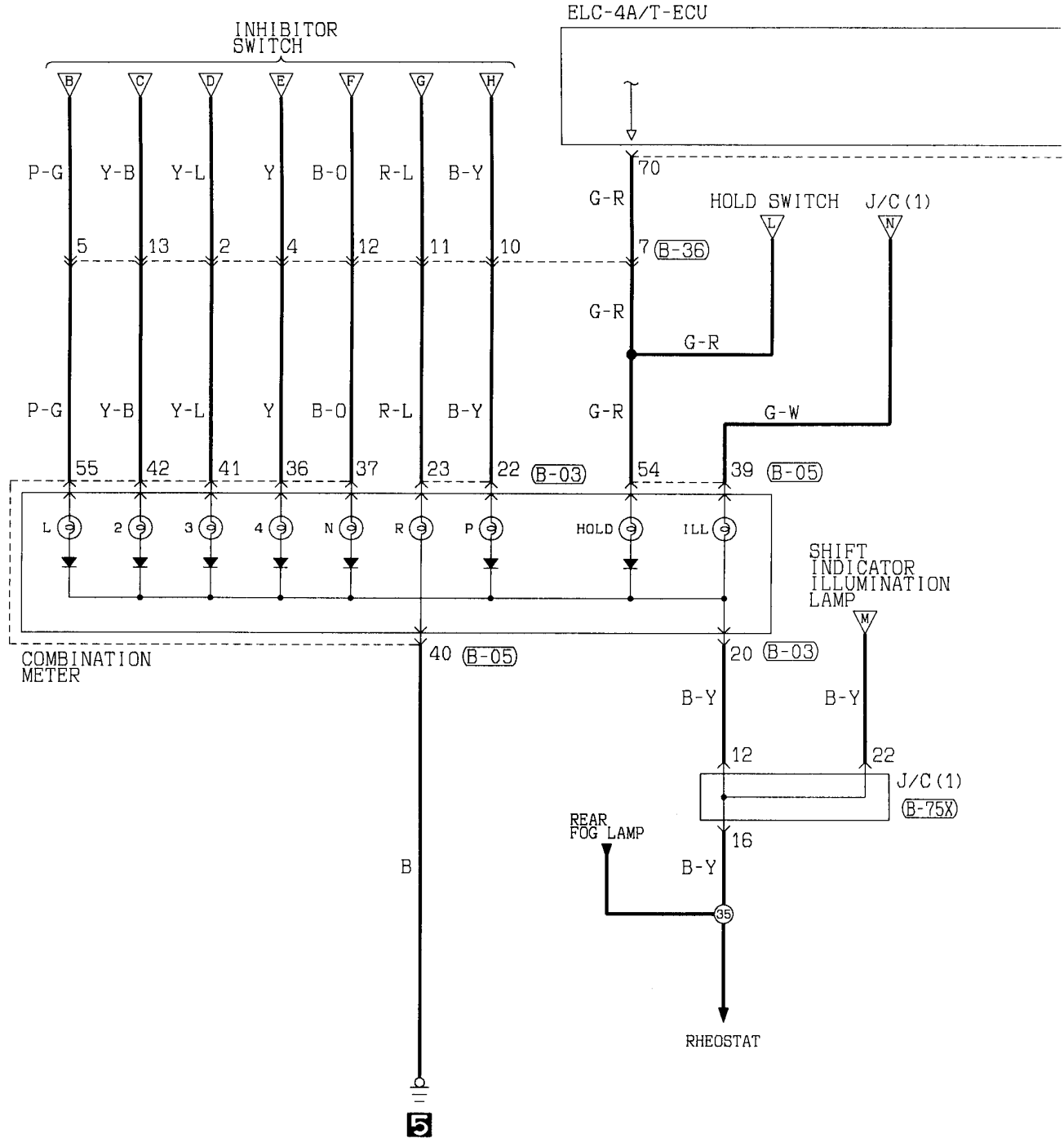
(D-19)

1	2
3	4
5	6

(D-24)

1	2
---	---

ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
13											
14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
43											
44	45	46	47	48	49	50	51	52	53	54	55

(B-16)

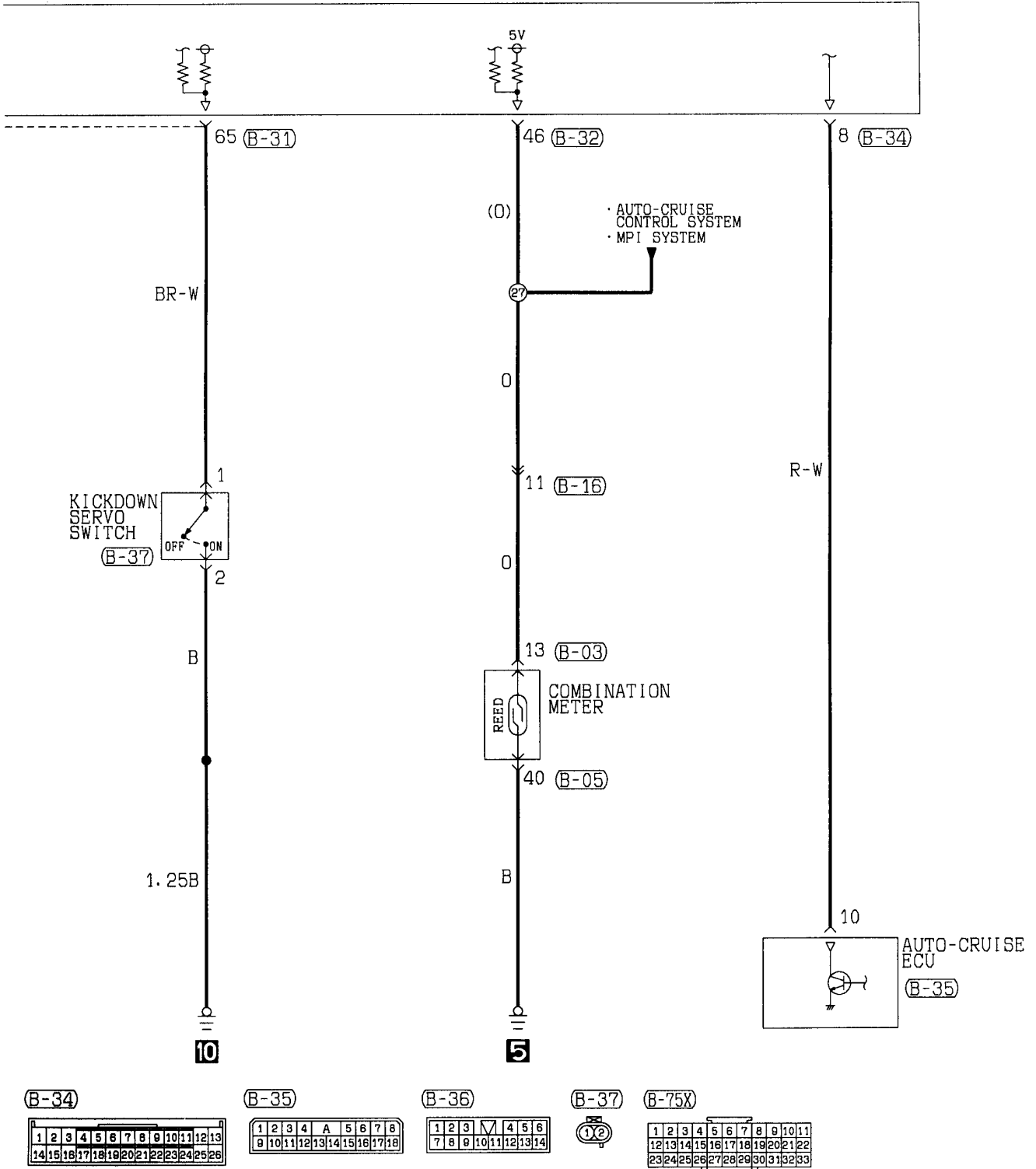
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-31)

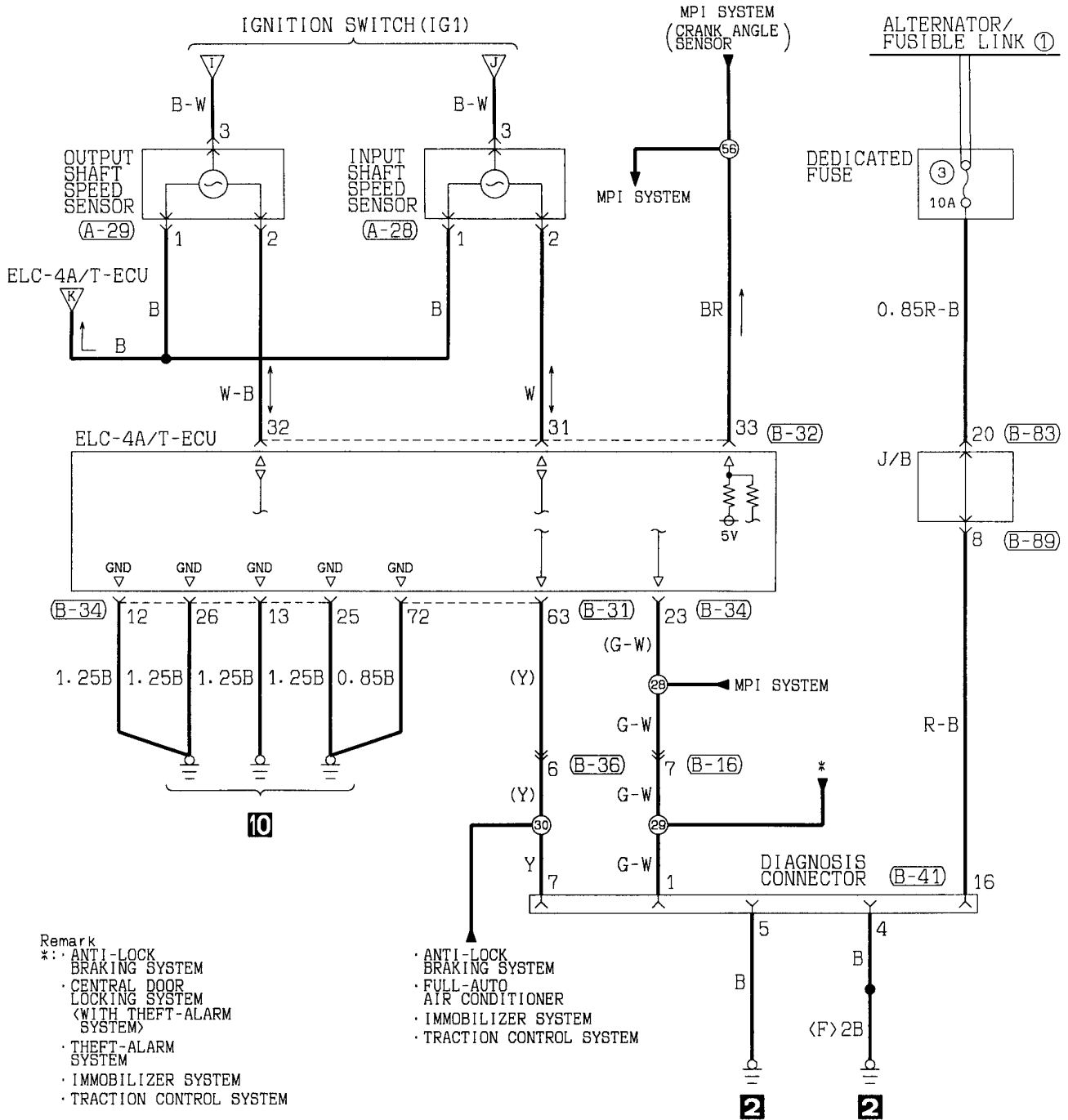
51	52	53	54	55	56	57	58	59	60	61
62	63	64	65	66	67	68	69	70	71	72

(B-32)

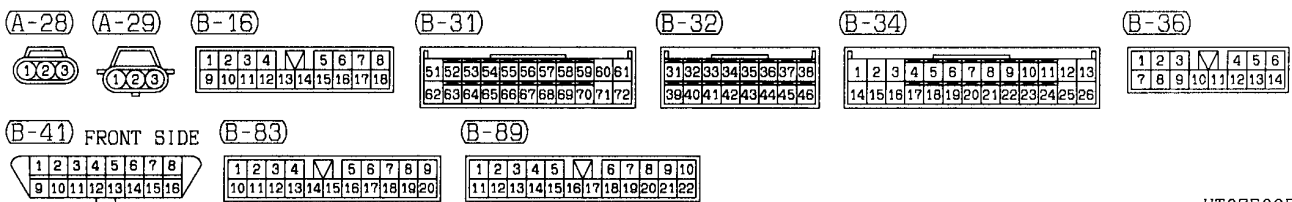
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46



ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



- Remark  
 \* : ANTI-LOCK BRAKING SYSTEM  
 \* : ANTI-LOCK BRAKING SYSTEM  
 \* : CENTRAL DOOR LOCKING SYSTEM (WITH THEFT-ALARM SYSTEM)  
 \* : THEFT-ALARM SYSTEM  
 \* : IMMOBILIZER SYSTEM  
 \* : TRACTION CONTROL SYSTEM

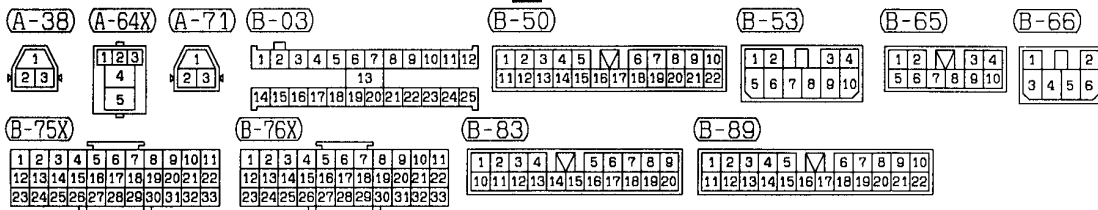
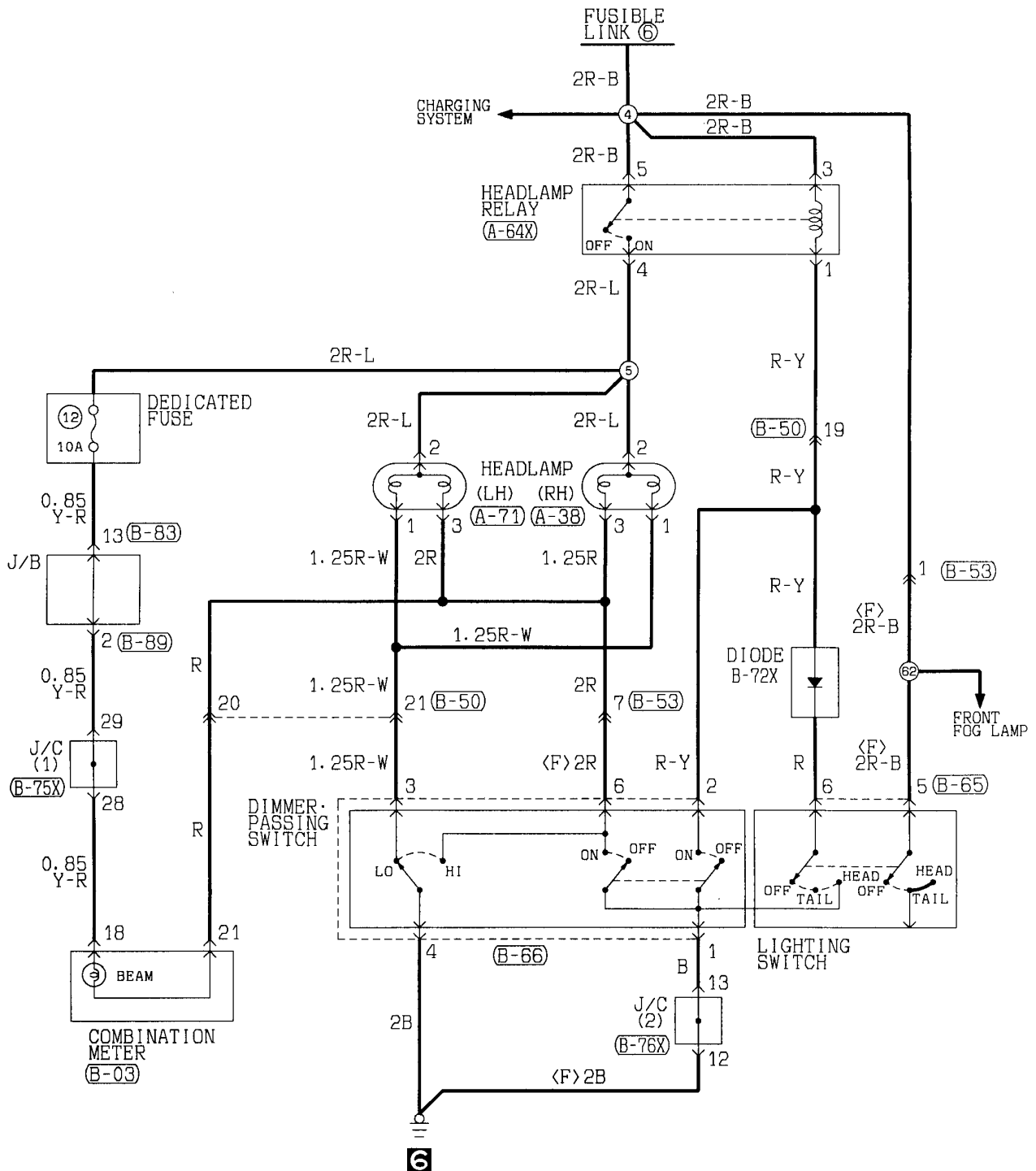




HEADLAMP

90100150302

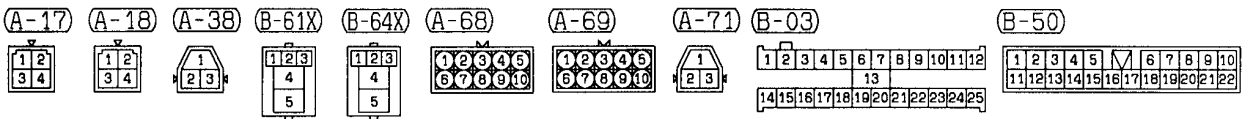
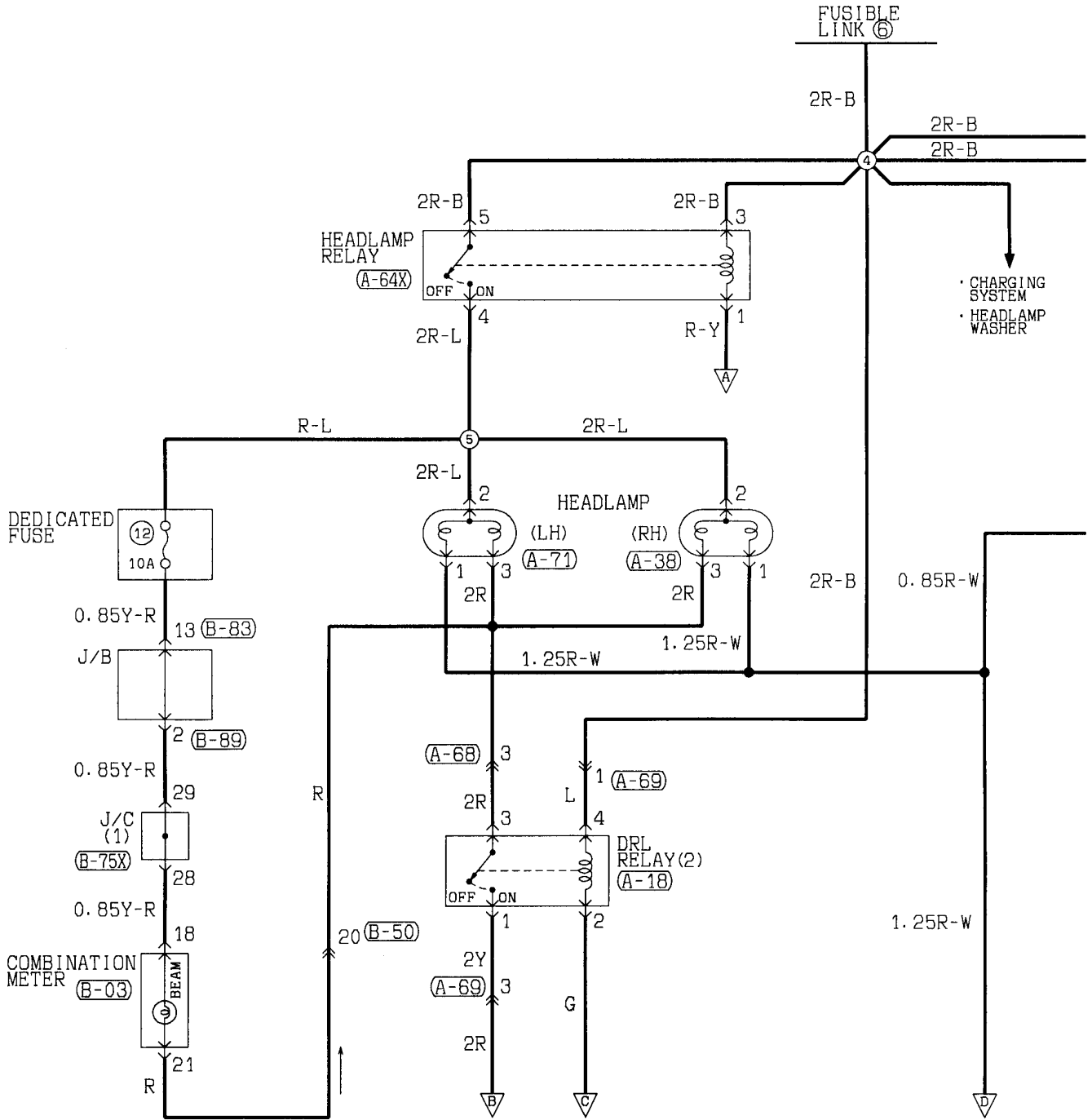
Vehicles without daytime running lamp

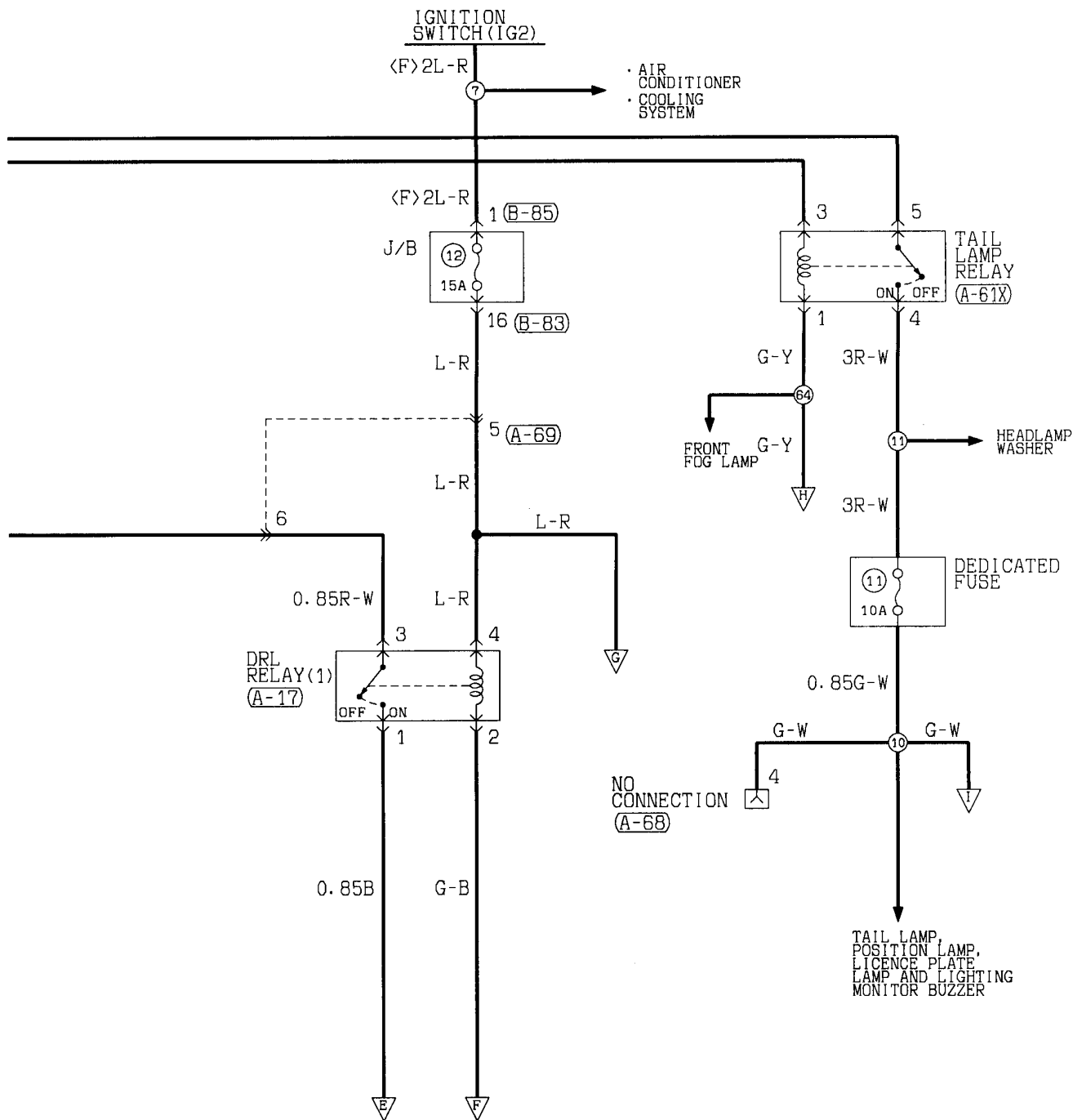


HEADLAMP

90100150319

Vehicles with daytime running lamp





(B-53)

1	2	3	4
5	6	7	8
9	10		

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

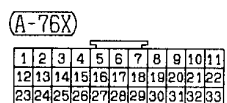
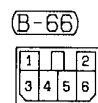
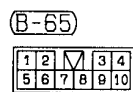
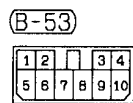
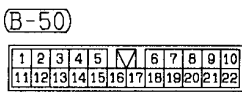
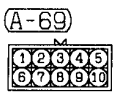
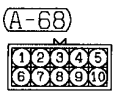
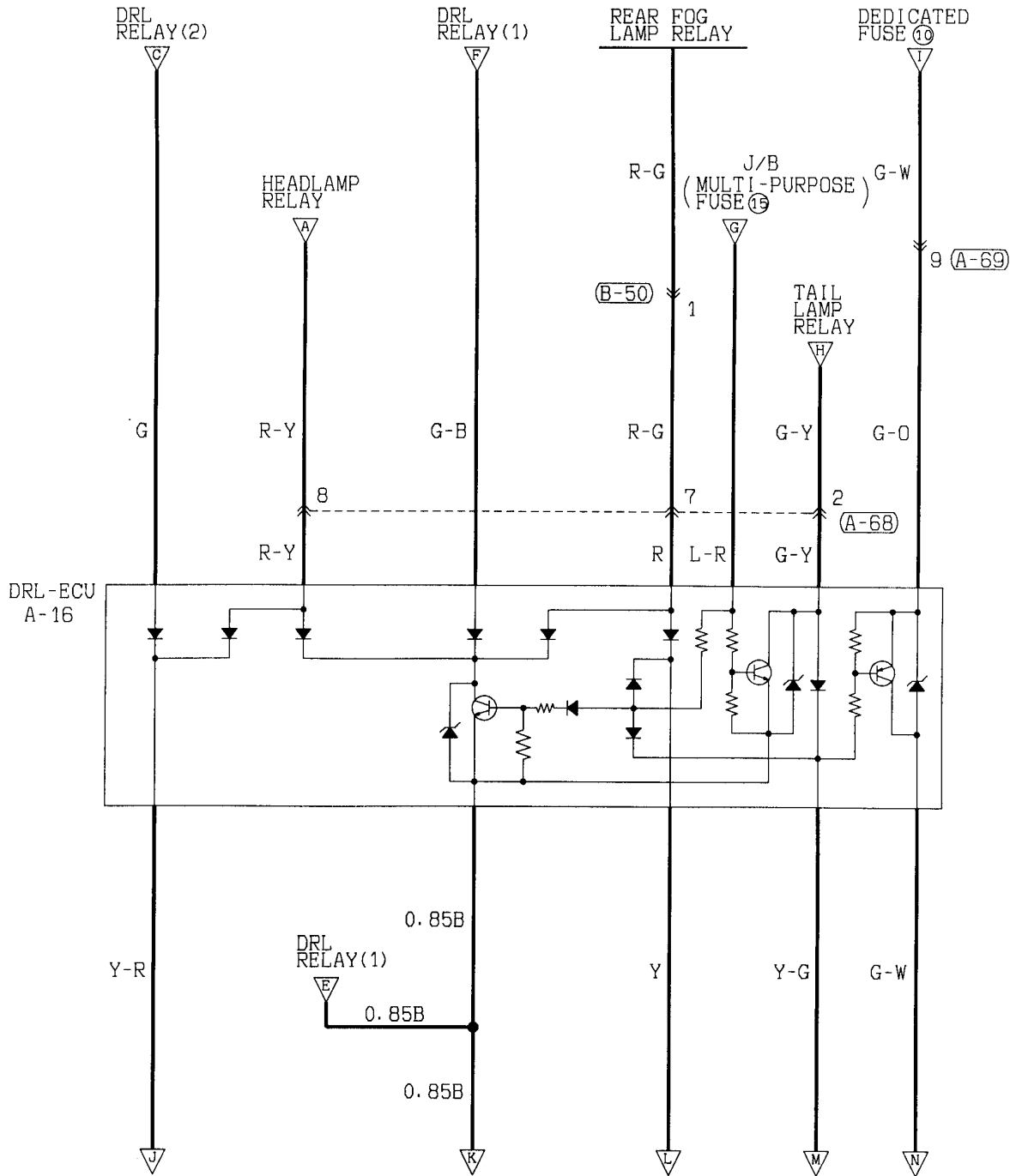
(B-85)

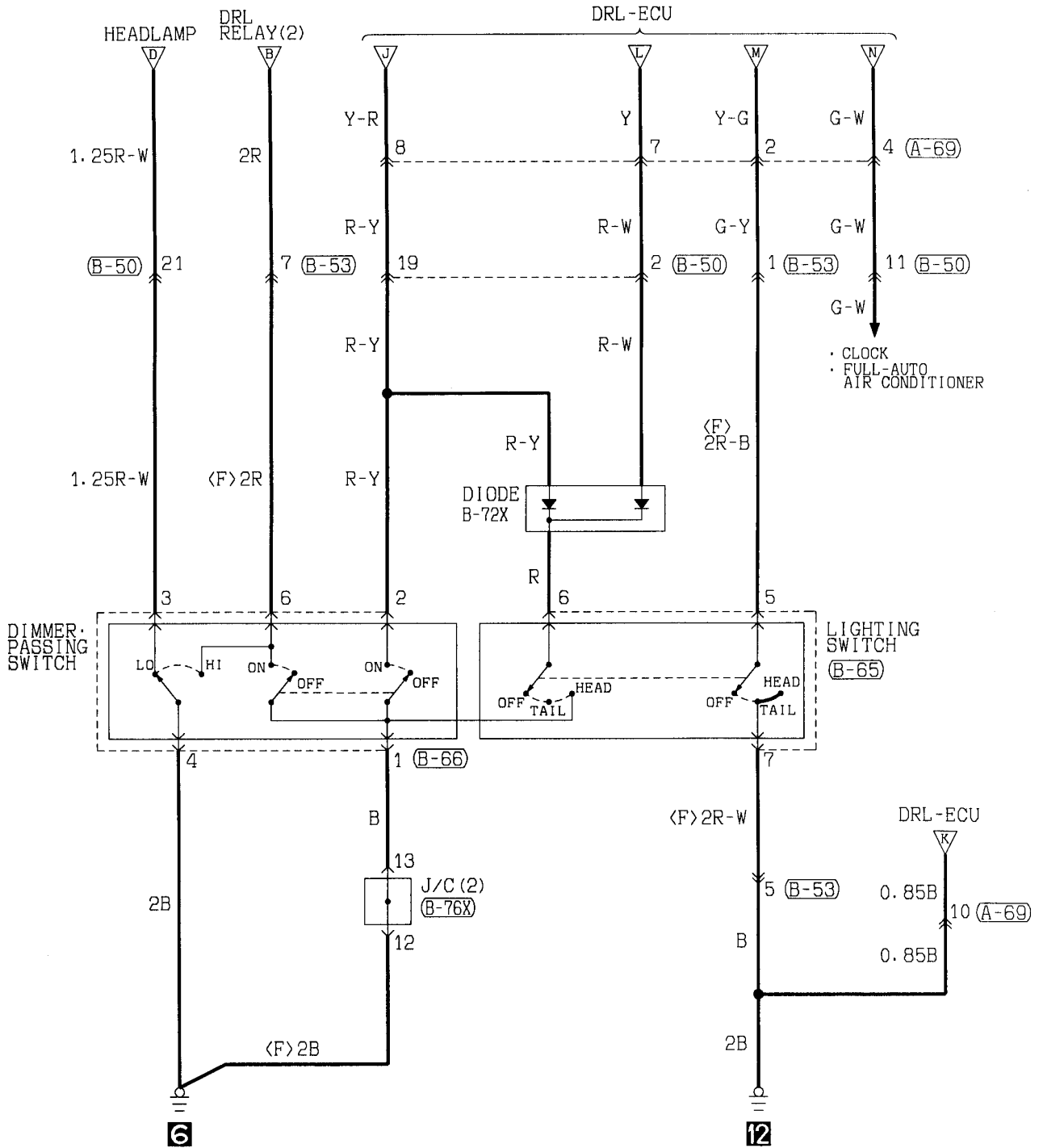
1	2	3
---	---	---

(B-89)

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

HEADLAMP <Vehicles with daytime running lamp> (CONTINUED)

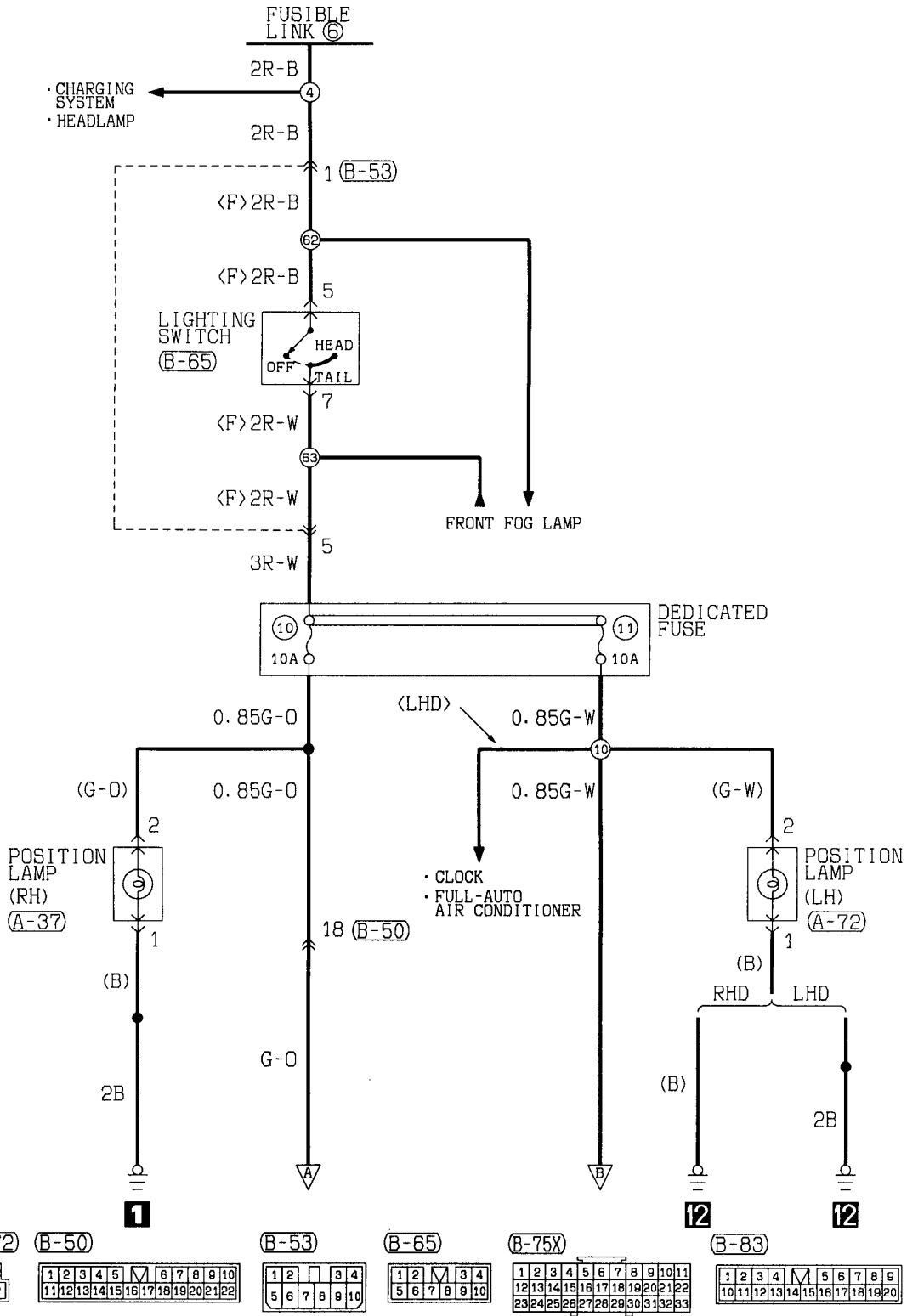


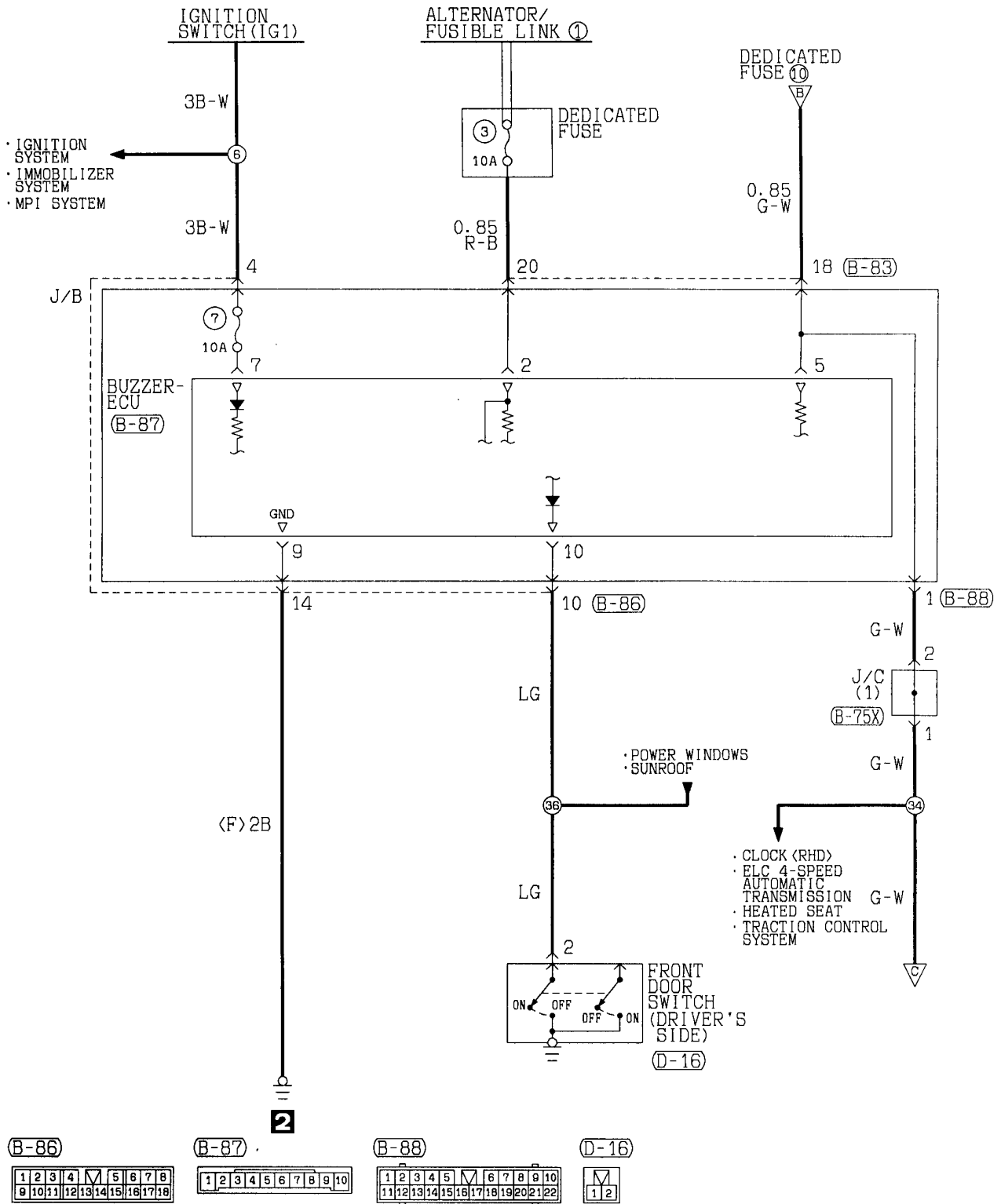


# TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER

90100170032

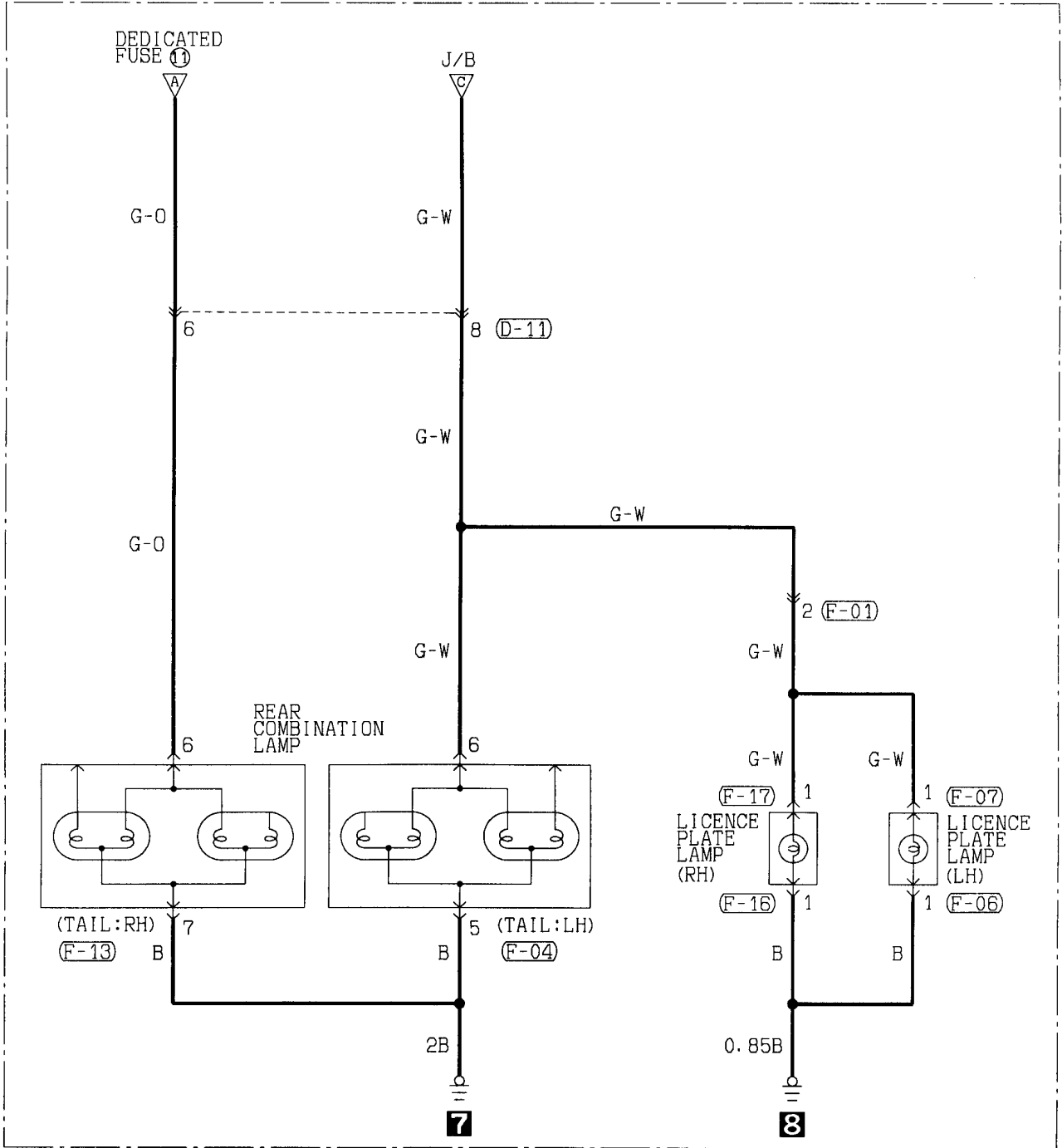
Vehicles without daytime running lamp





TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER <Vehicles without daytime running lamp> (CONTINUED)

<HATCHBACK>



(D-11)

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

(F-01)

1	2	3
4	5	6
7	8	

(F-04)

1	2	3
4	5	6
7	8	

<HATCHBACK>

1	2
3	4
5	6

<HSEDAN>

(F-06)

1
---

(F-07)

1
---

(F-13)

1	2	3
4	5	6
7	8	

<HATCHBACK>

1	2
3	4
5	6

<SEDAN>

(F-16)

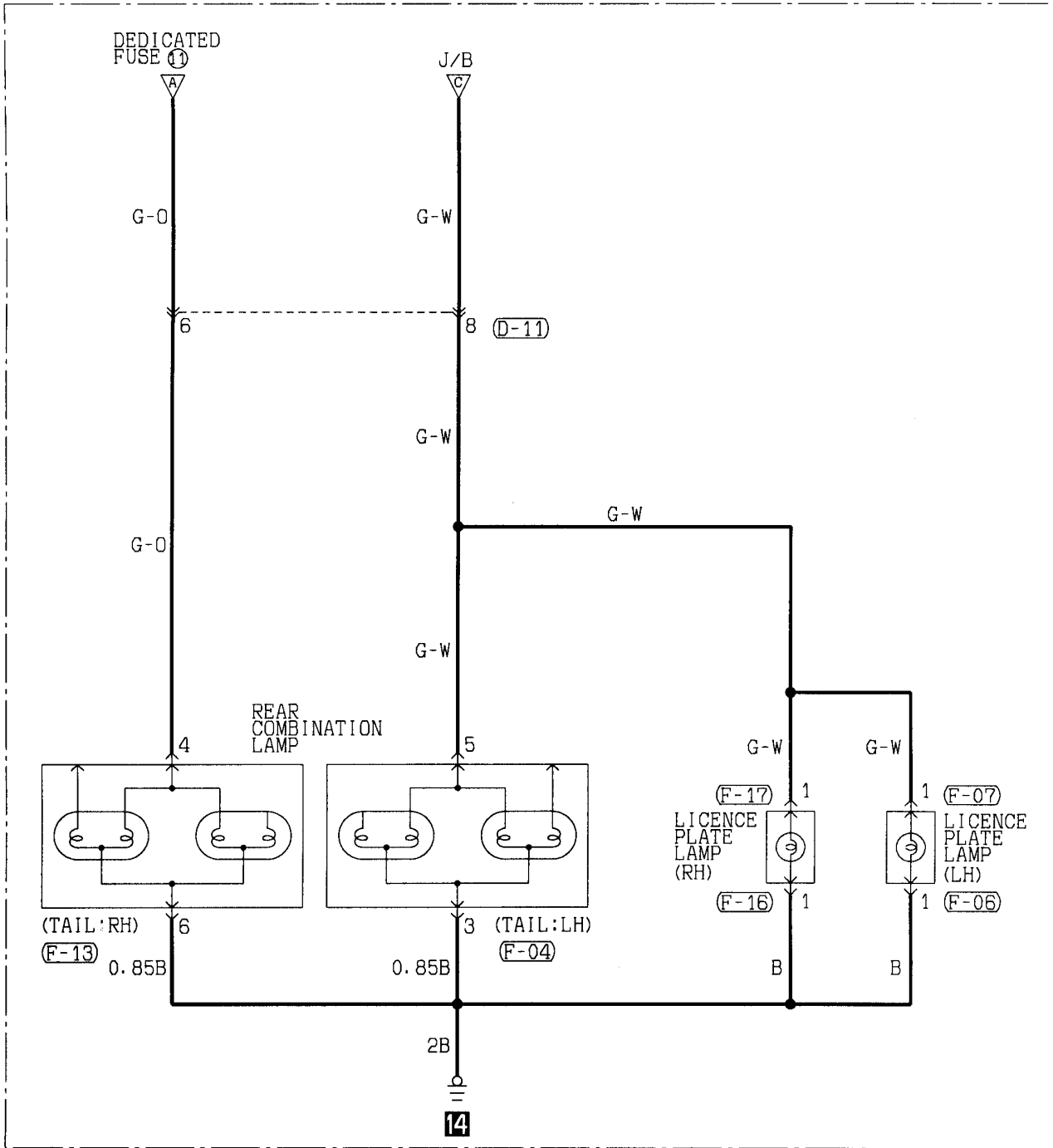
1
---

(F-17)

1
---



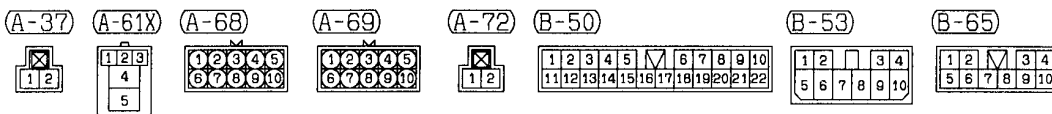
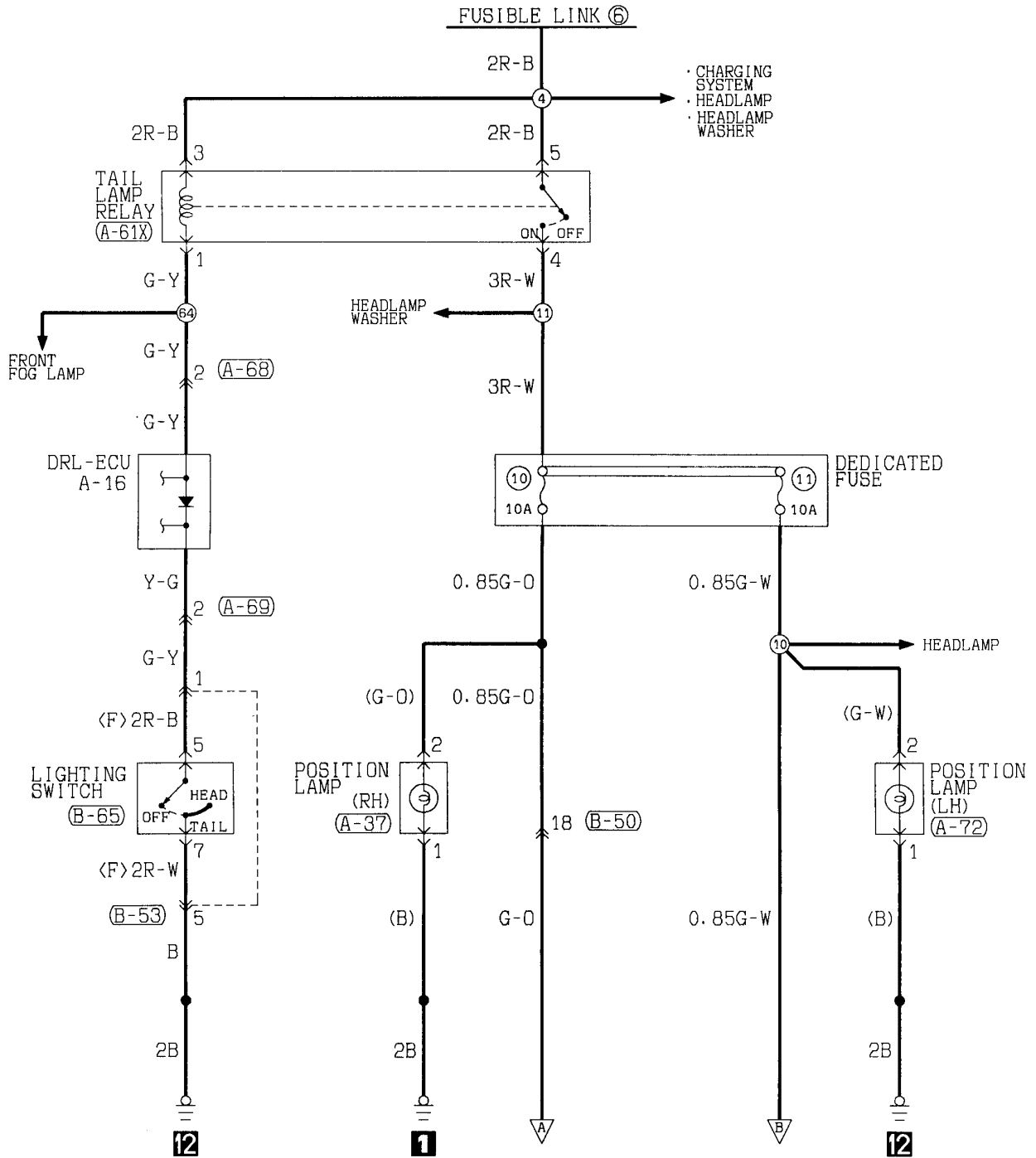
<SEDAN>

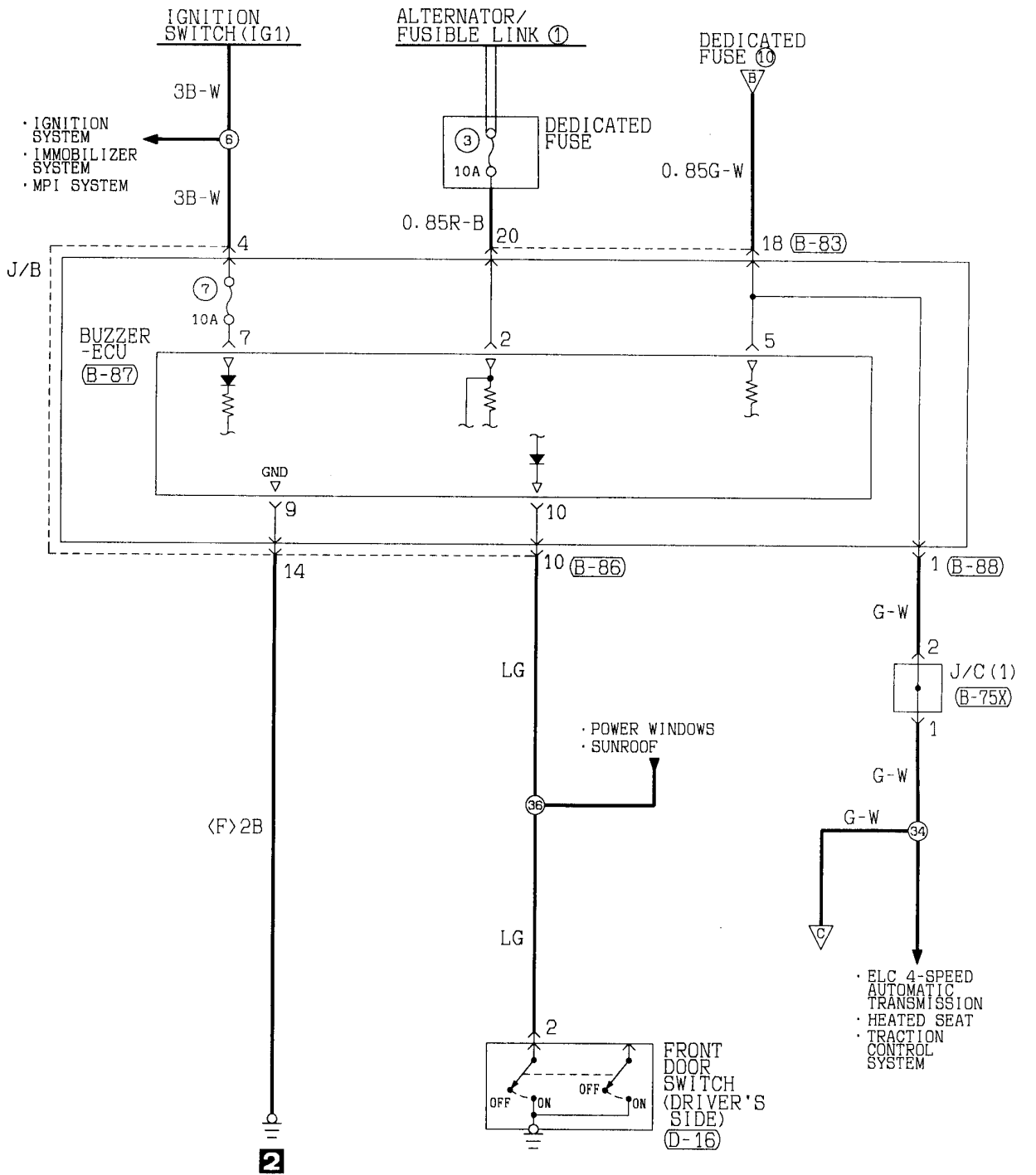


**TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER**

90100170049

Vehicles with daytime running lamp





(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-86)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18

(B-87)

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

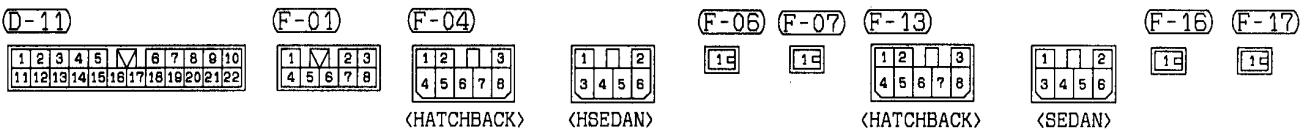
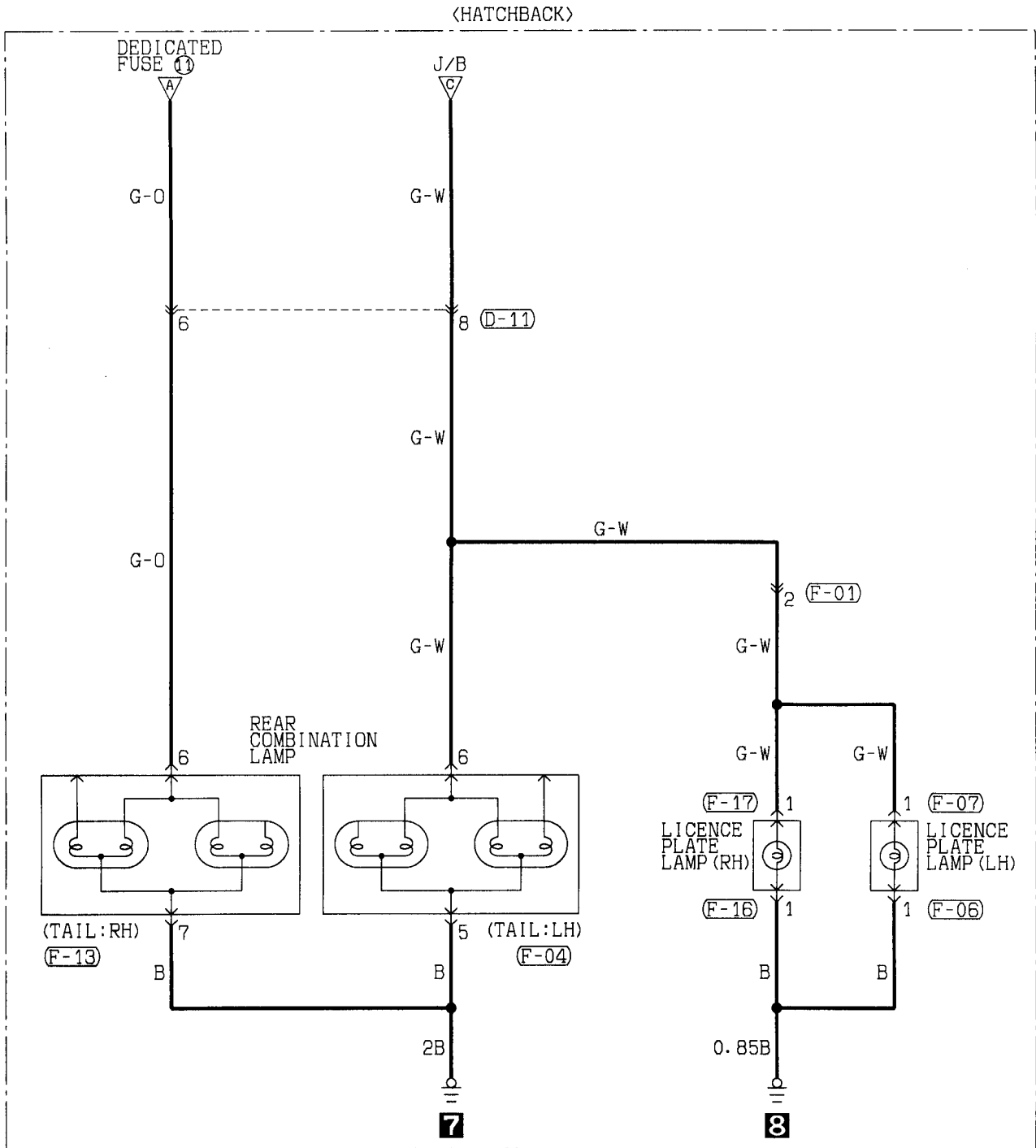
(B-88)

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

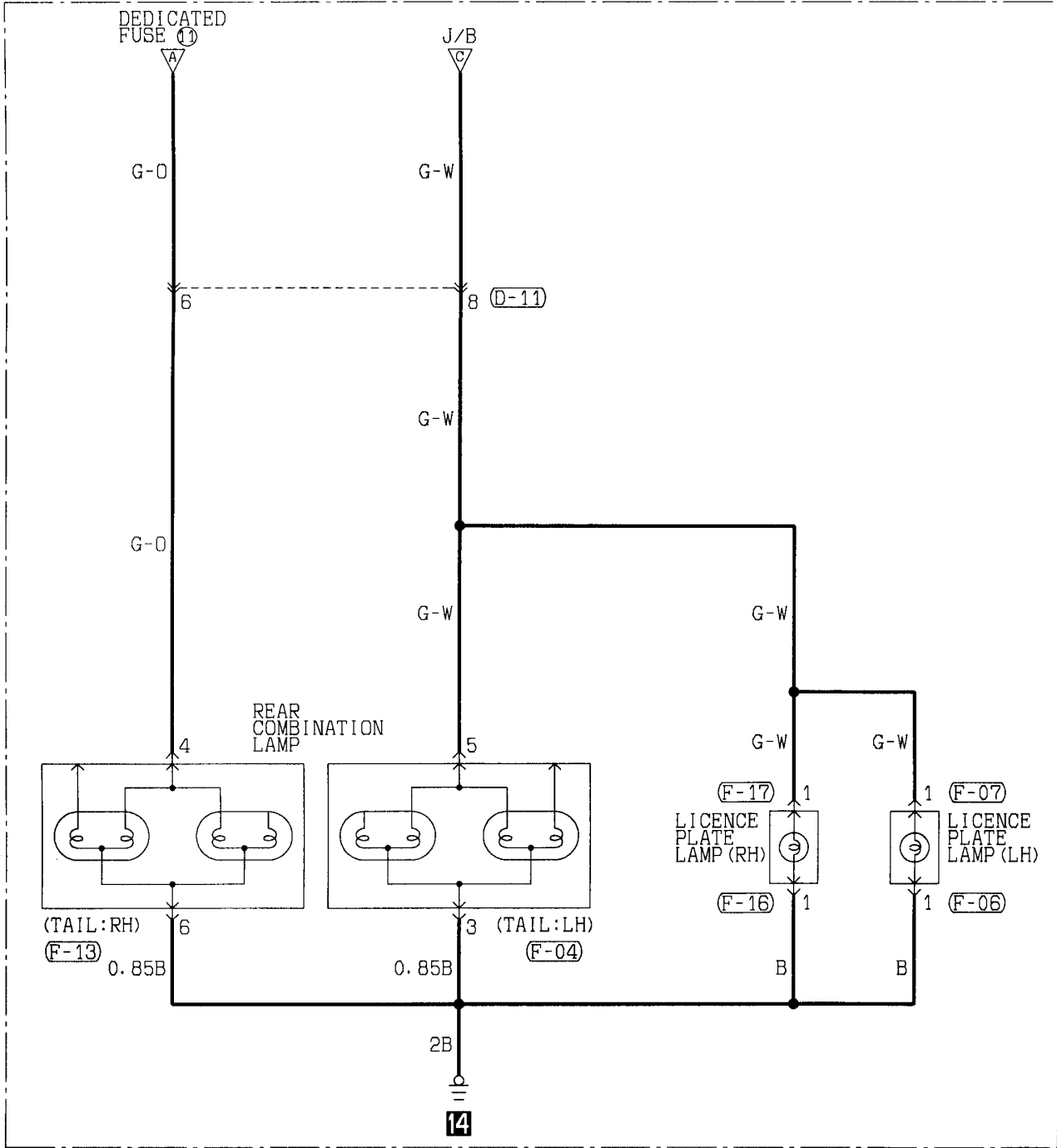
(D-16)

1	2
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TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER <Vehicles with daytime running lamp> (CONTINUED)



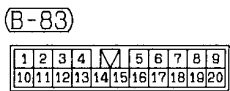
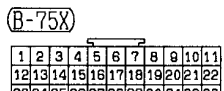
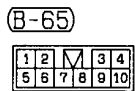
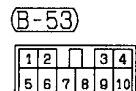
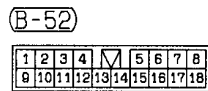
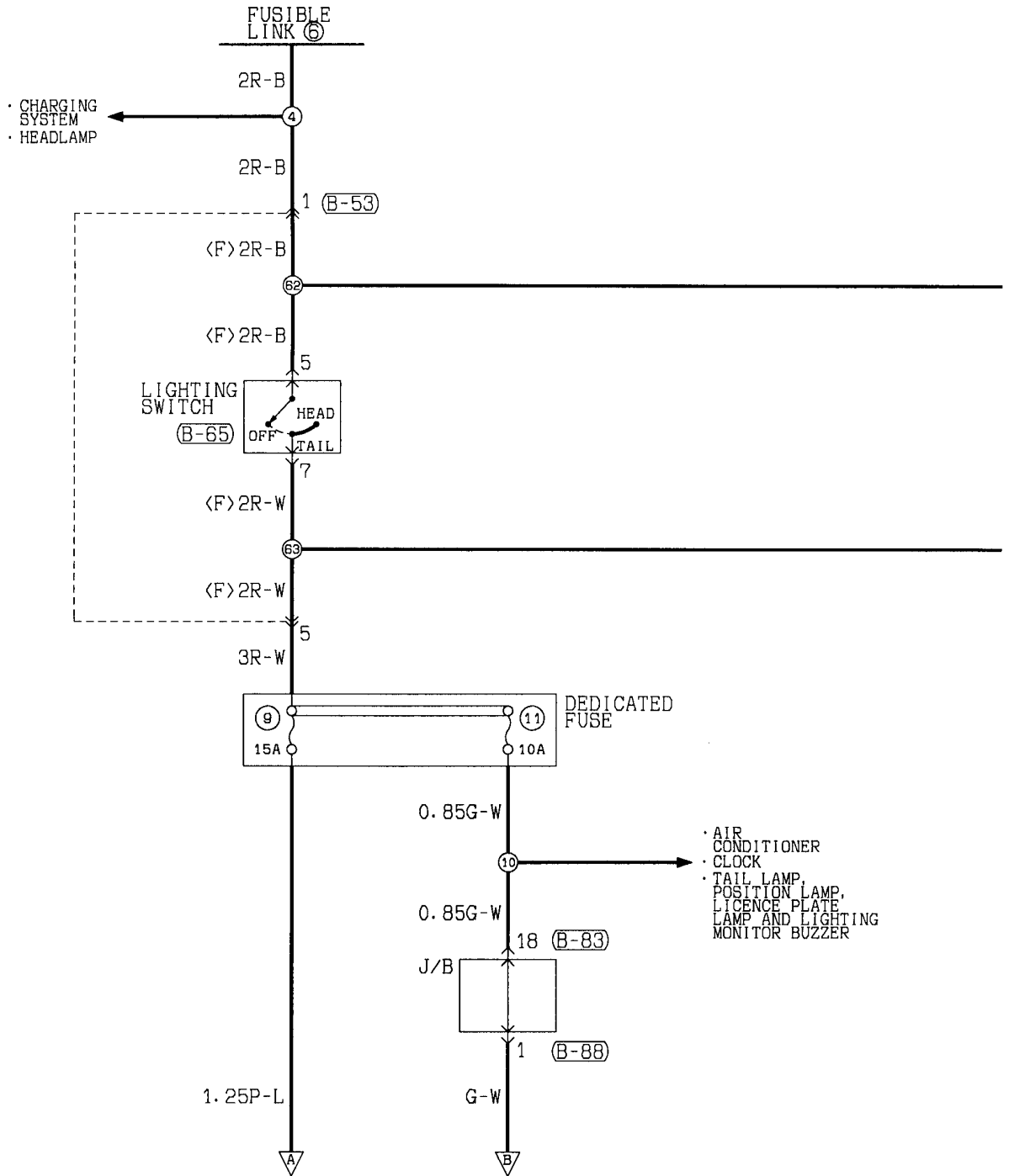
<SEDAN>

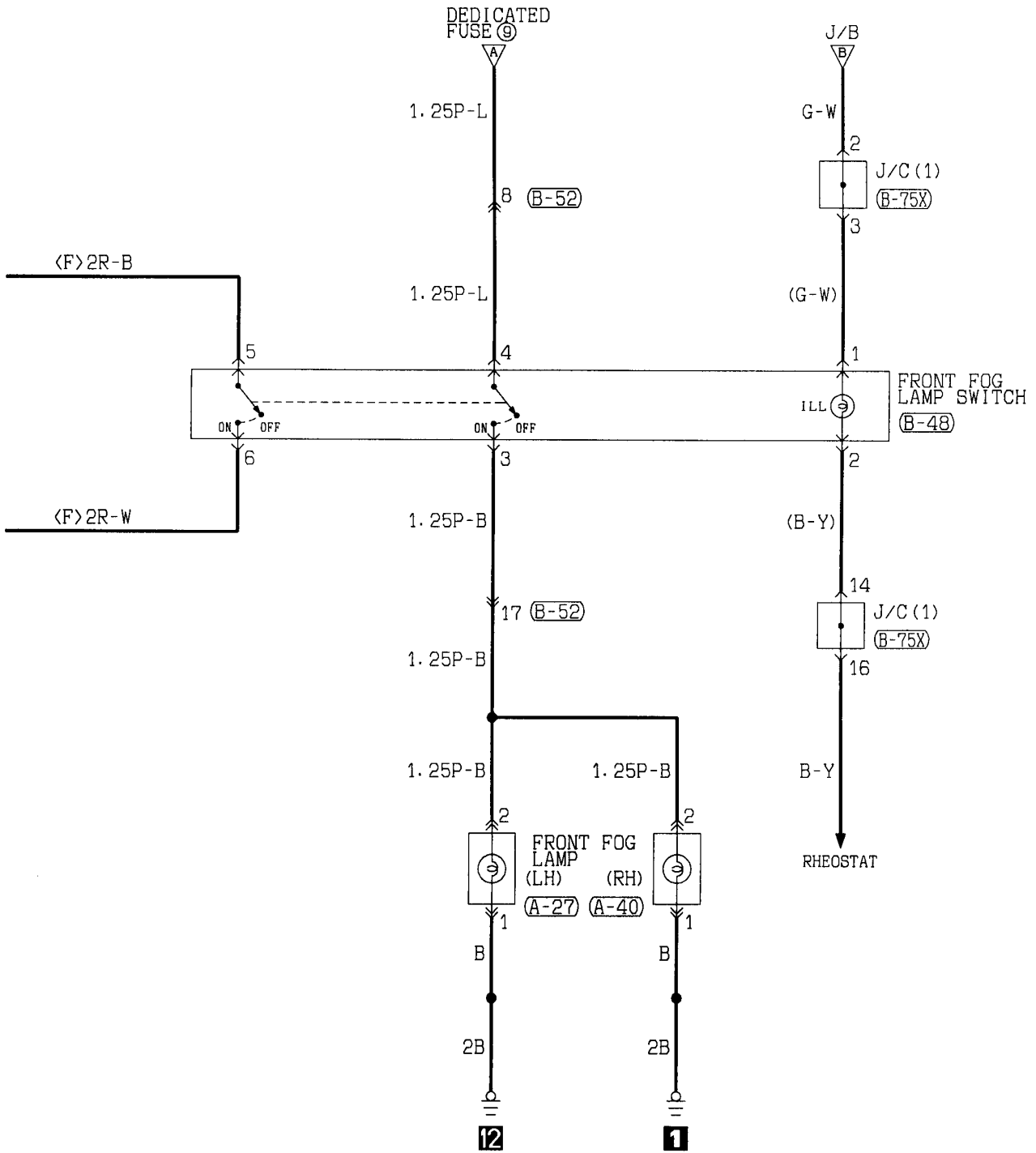


FRONT FOG LAMP

90101190105

Vehicles without daytime running lamp





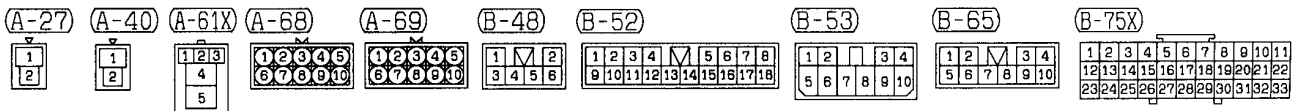
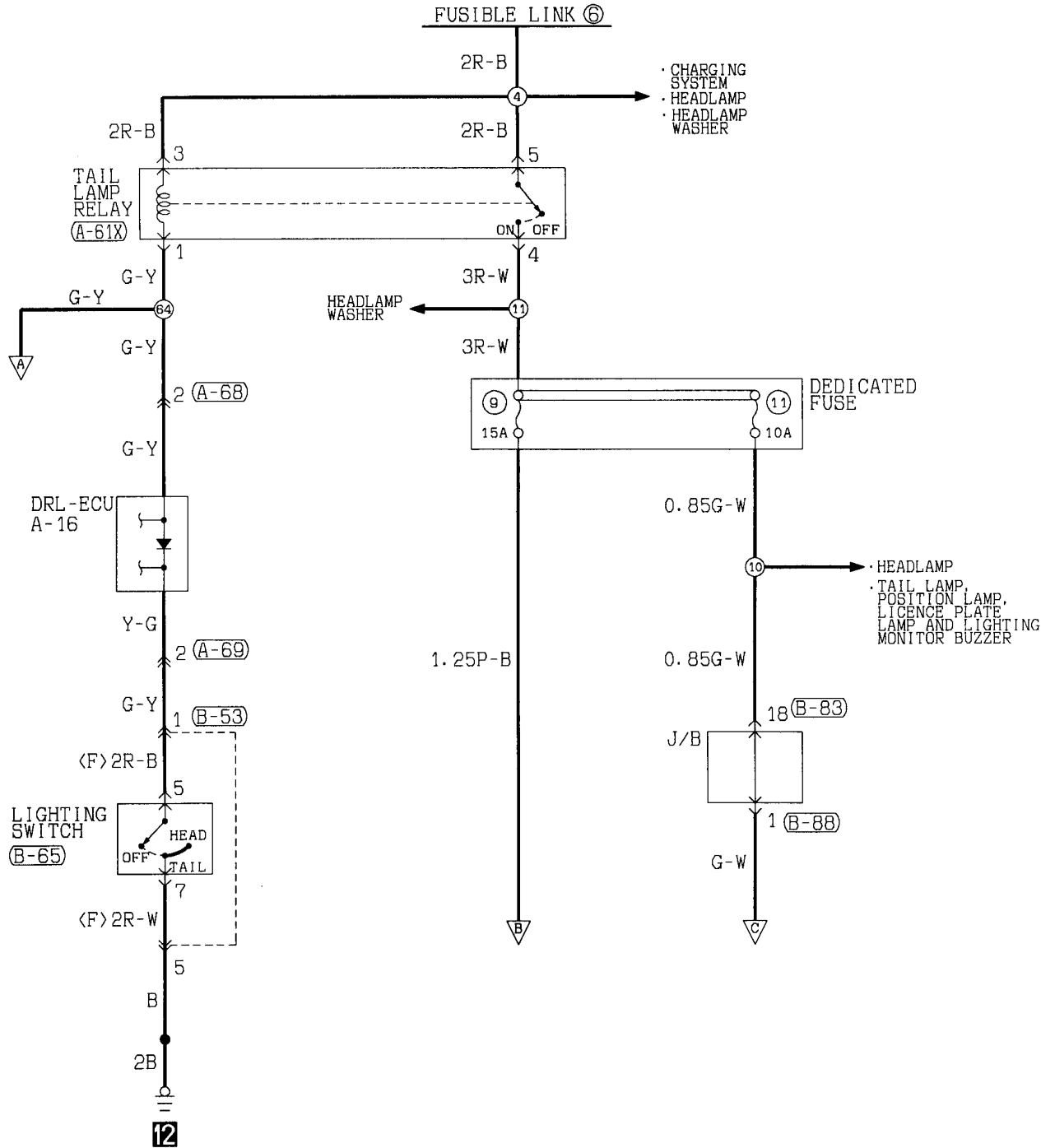
(B-88)

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

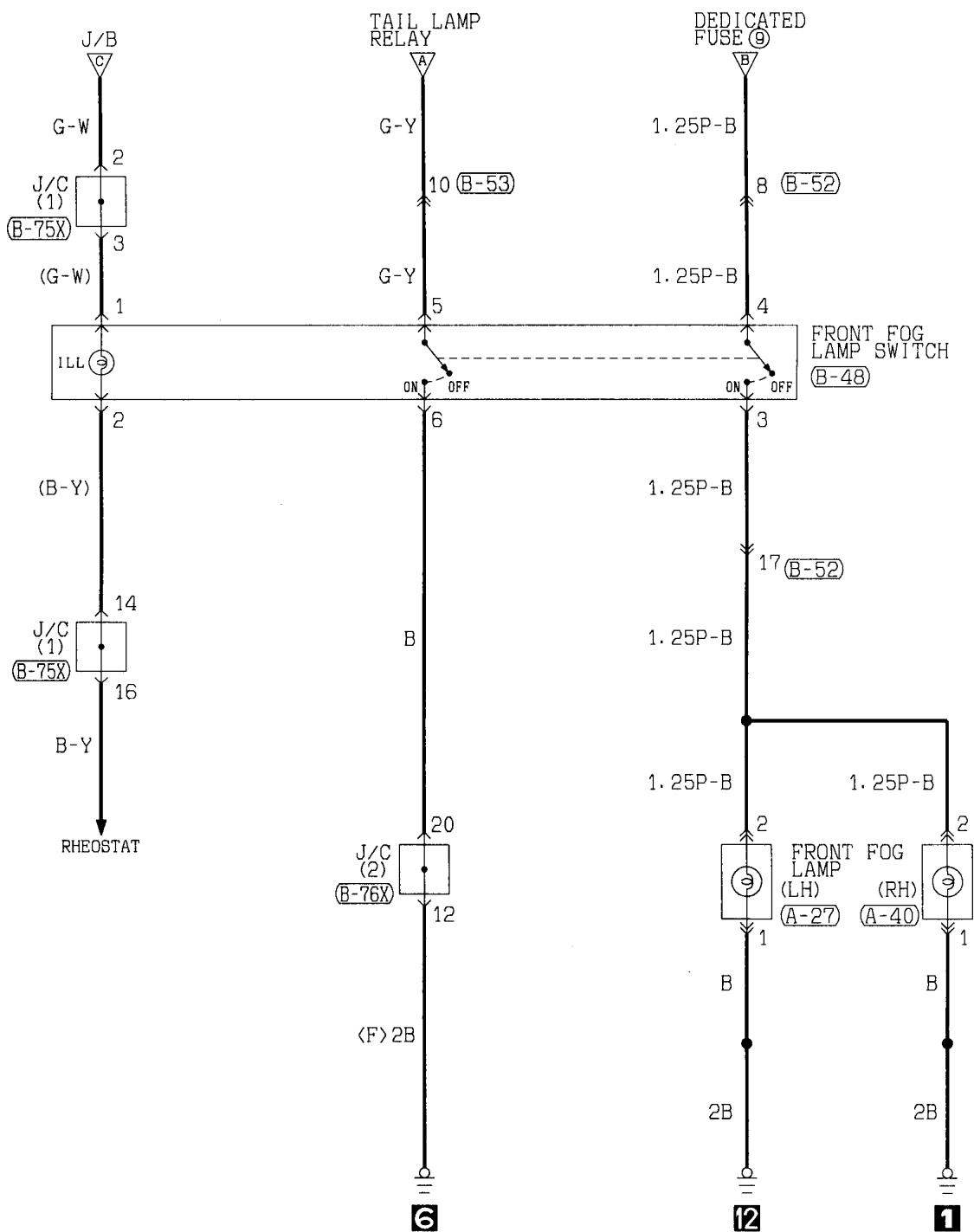
FRONT FOG LAMP

90101190112

Vehicles with daytime running lamp







(B-76X)

(B-83)

(B-88)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

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

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

**FRONT FOG LAMP (See P. 4-80, 82.)****OPERATION**

1. Vehicles without daytime running lamp.
  - When the front fog lamp switch is moved to the ON position, current flows through dedicated fuse No. (9) and the front fog lamps illuminate.
  - At the same time, current flows through dedicated fuse No. (11) so that the tail lamps, position lamps, licence plate lamp and illumination lamp illuminate in the same way as when the lighting switch is moved to the TAIL position.
2. Vehicles with daytime running lamp.
  - When the front fog lamp switch is moved to the ON position, the fog lamp relay is switched on.
  - Then, current flows through dedicated fuse No. (9) and the front fog lamps illuminate.
  - At the same time, current flows through dedicated fuse No. (11) so that the tail lamps, position lamps, licence plate lamp and illumination lamp illuminate in the same way as when the lighting switch is moved to the TAIL position.

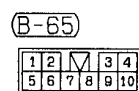
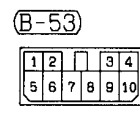
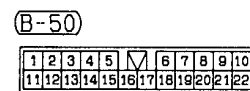
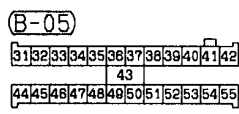
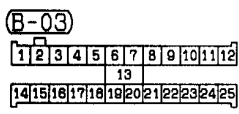
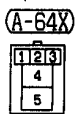
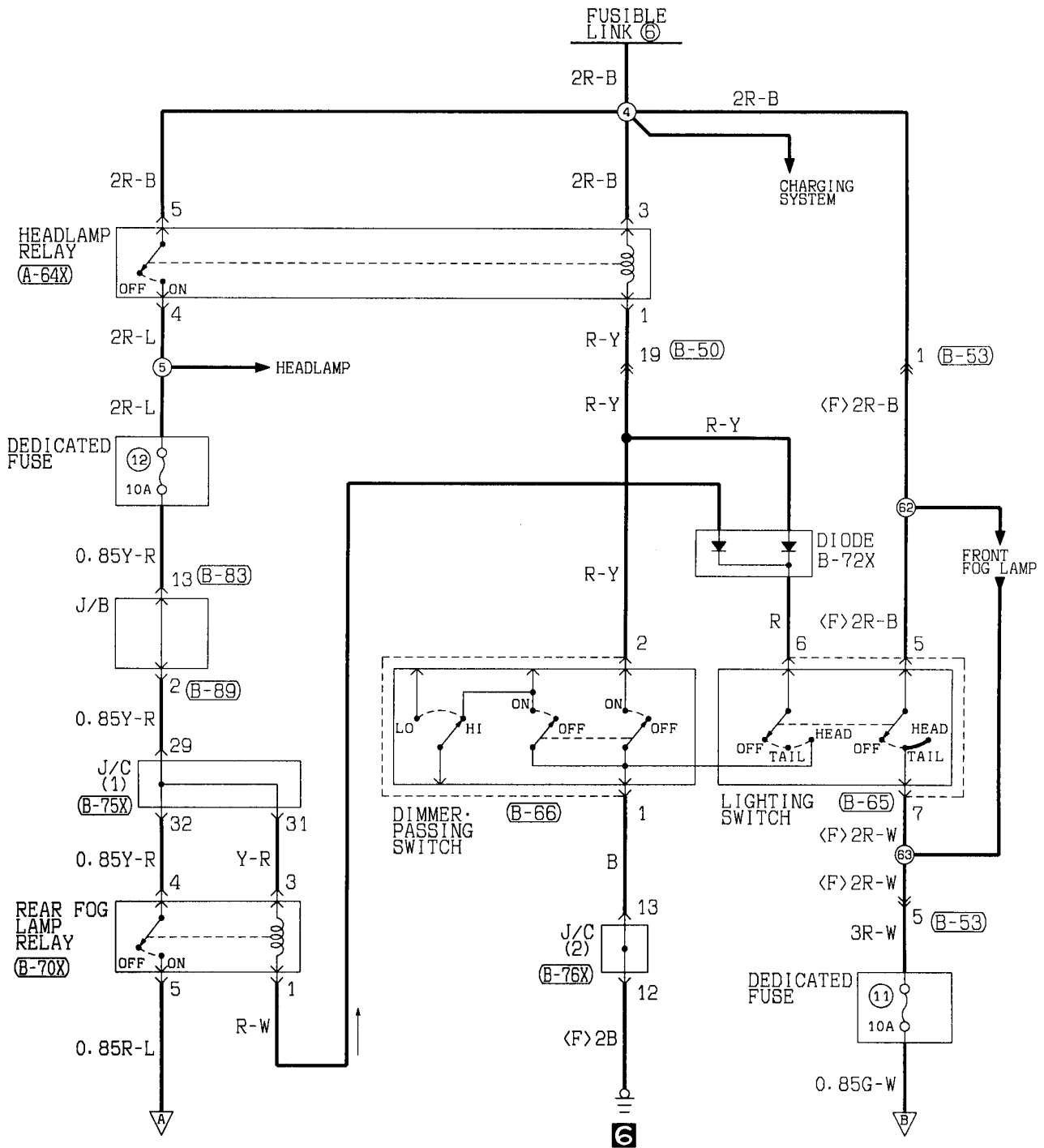
**TROUBLESHOOTING HINTS**

1. The front fog lamp does not illuminate.
  - (1) The tail lamps illuminate.
    - Check dedicated fuse No. (9).
    - Check front fog lamp switch.
  - (2) The tail lamps do not illuminate, either.
    - Check fusible link No. (6).
2. The front fog lamp at the one side doesn't illuminate.
  - Check the lamp bulb.

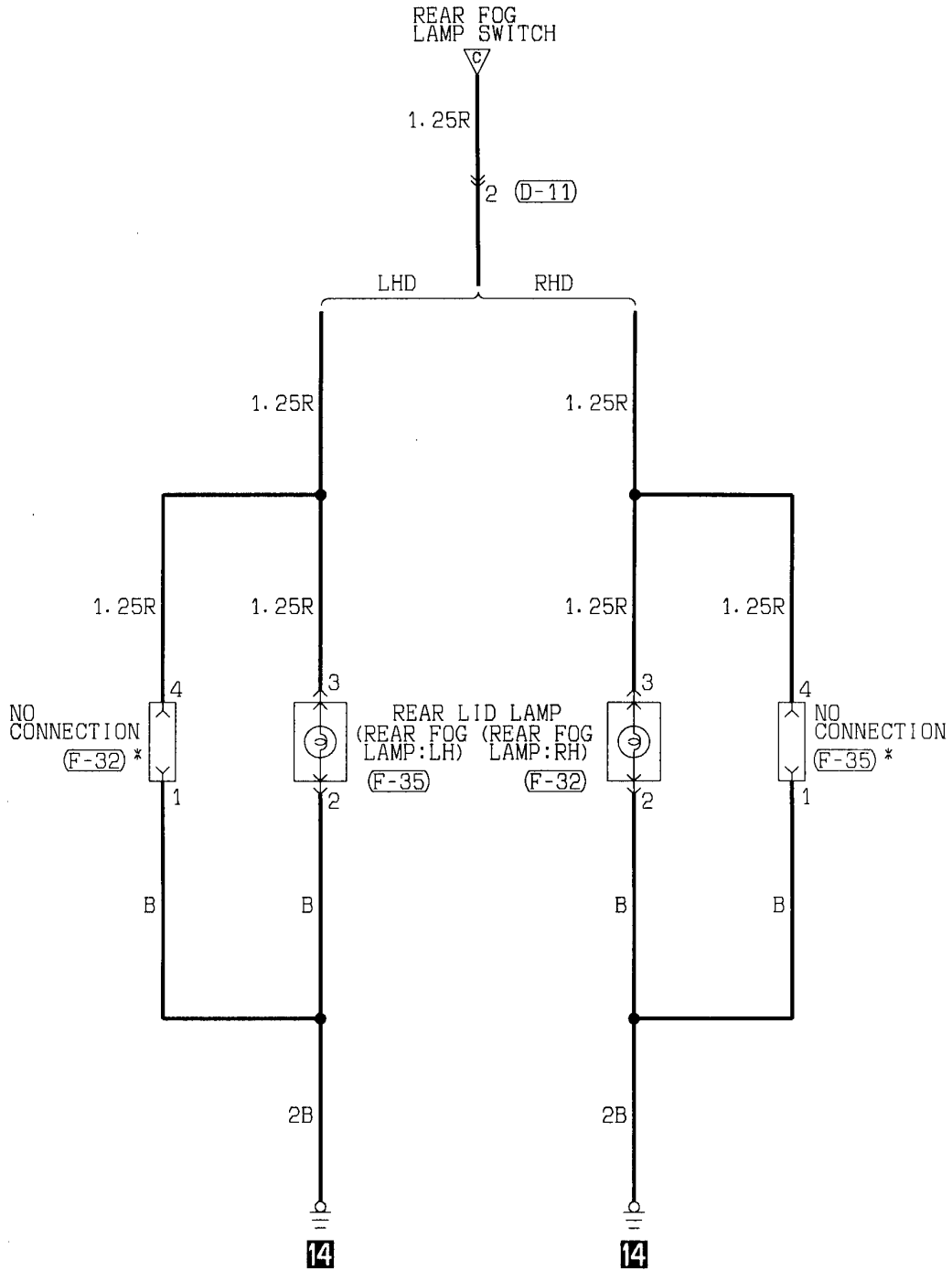
REAR FOG LAMP

90101200136

Vehicles without daytime running lamp <Sedan>







(D-11)

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

(F-32)

1	2
3	4

(F-32)\*

1	2
3	4

(F-35)

1	2
3	4

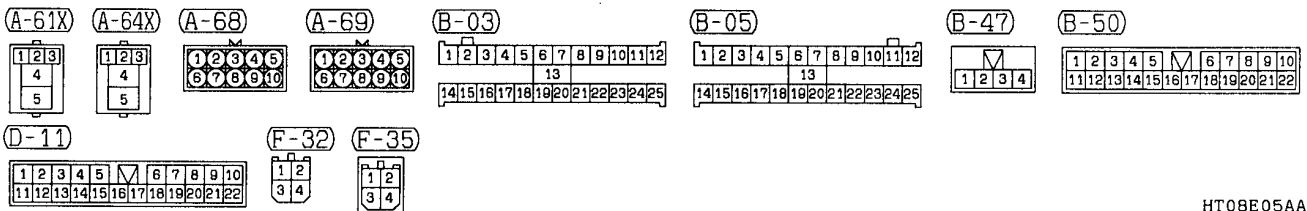
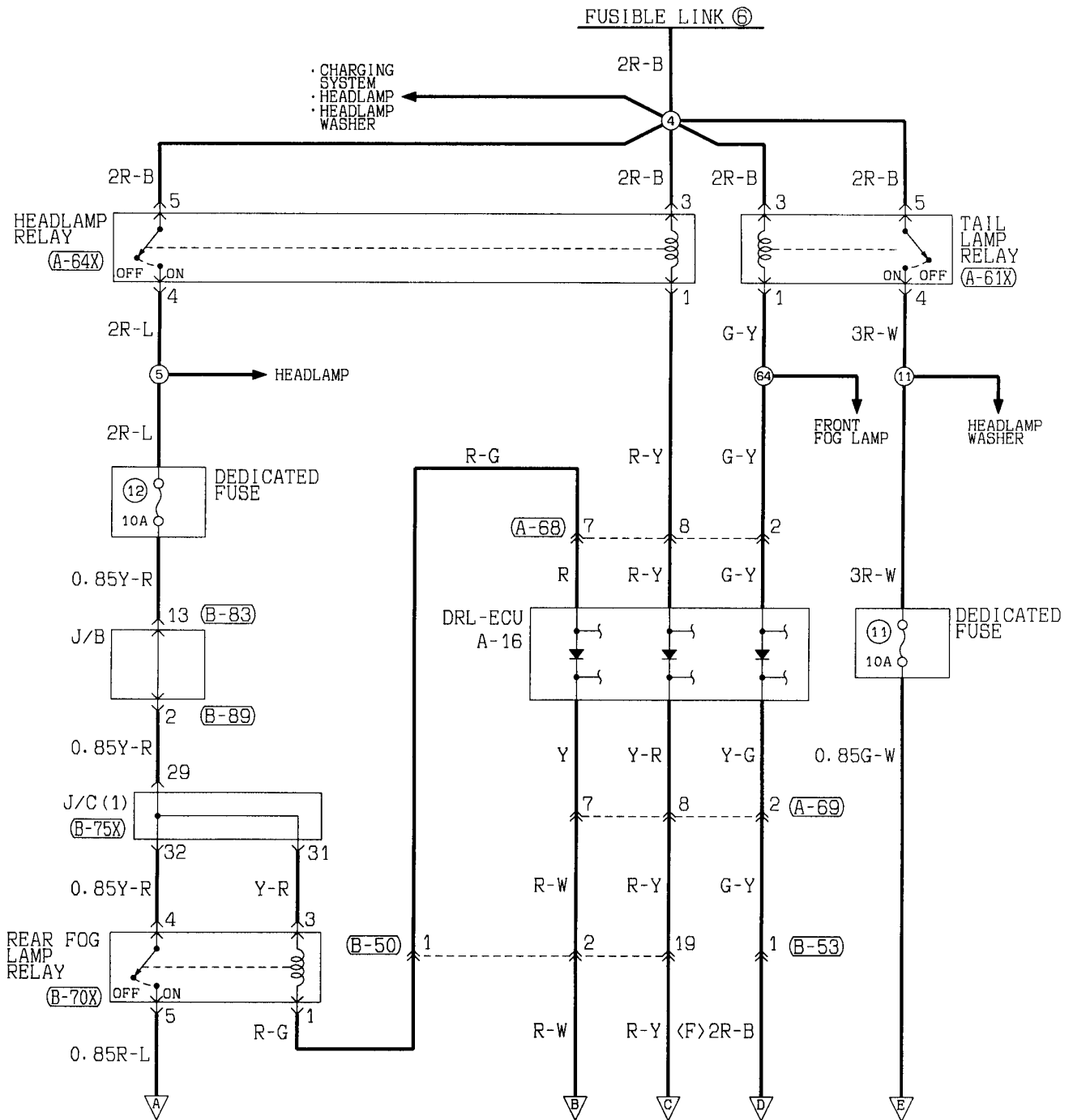
(F-35)\*

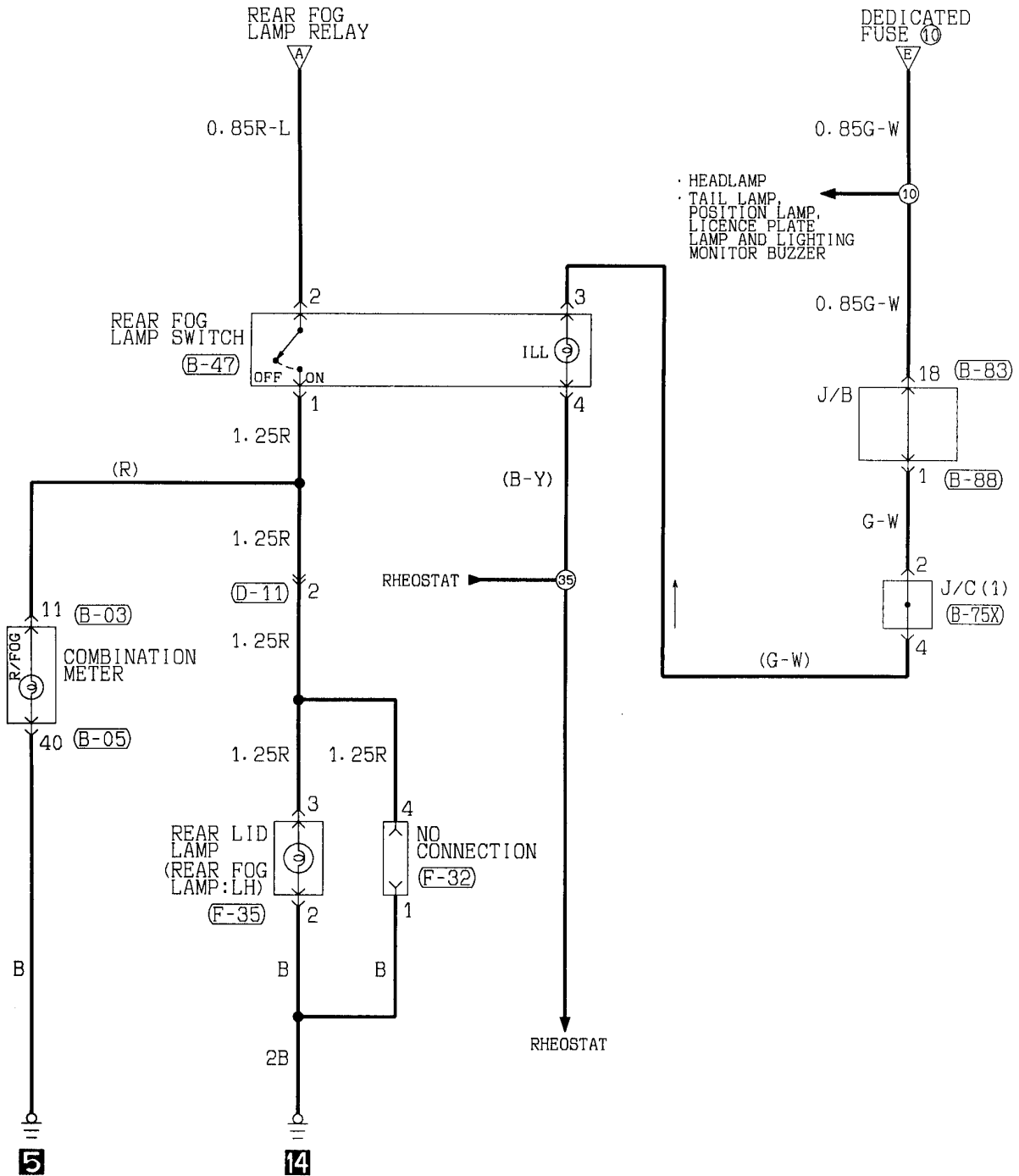
1	2
3	4

# REAR FOG LAMP

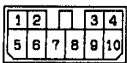
90101200143

Vehicles with daytime running lamp <Sedan>





(B-53)



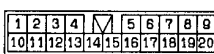
(B-70X)



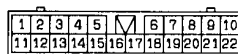
(B-75X)



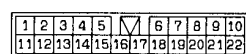
(B-83)



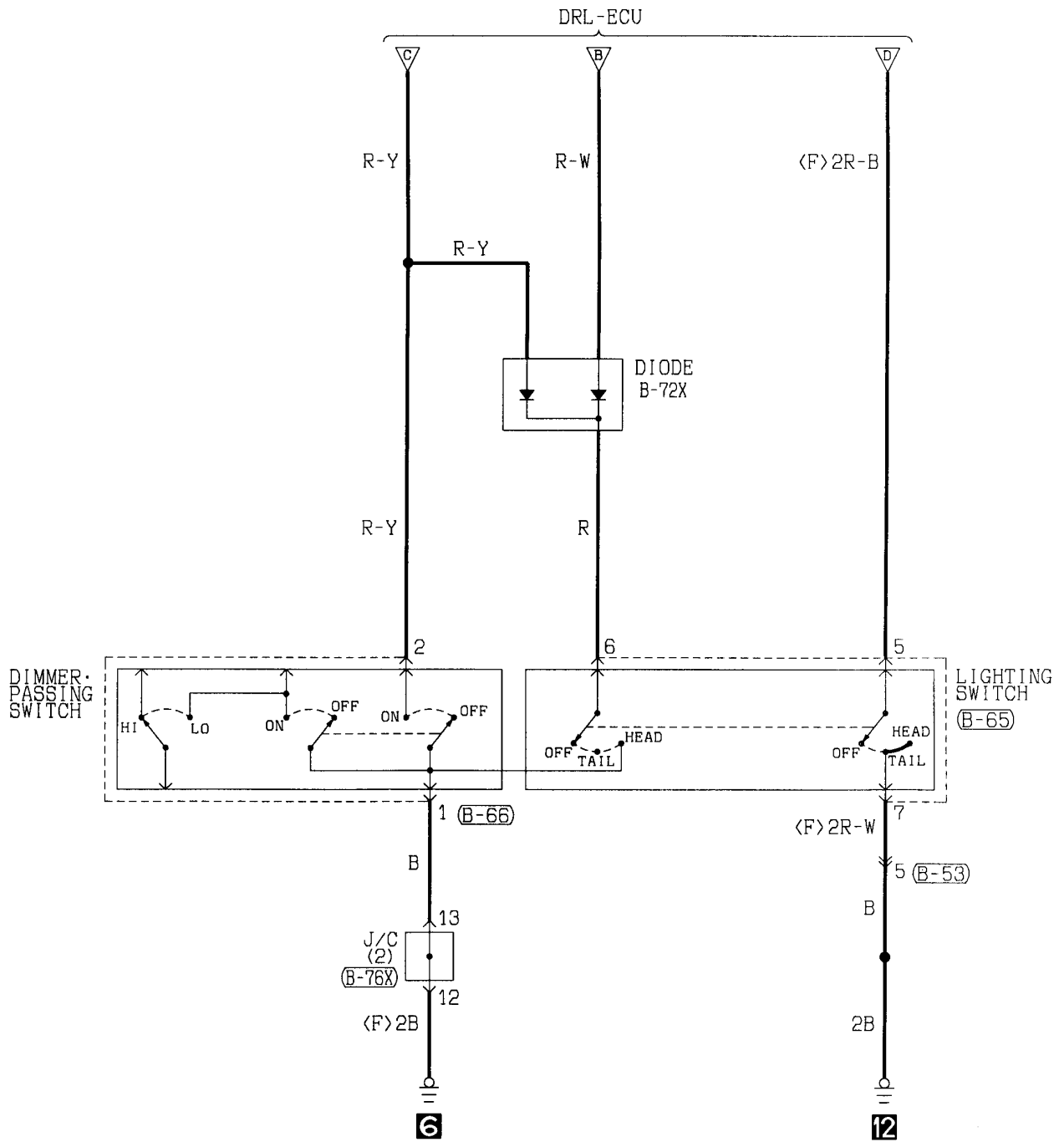
(B-88)



(B-89)



REAR FOG LAMP <Vehicles with daytime running lamp (Sedan)> (CONTINUED)



(B-53)

1	2	3	4
5	6	7	8

(B-65)

1	2	3	4
5	6	7	8

(B-66)

1	2
3	4

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

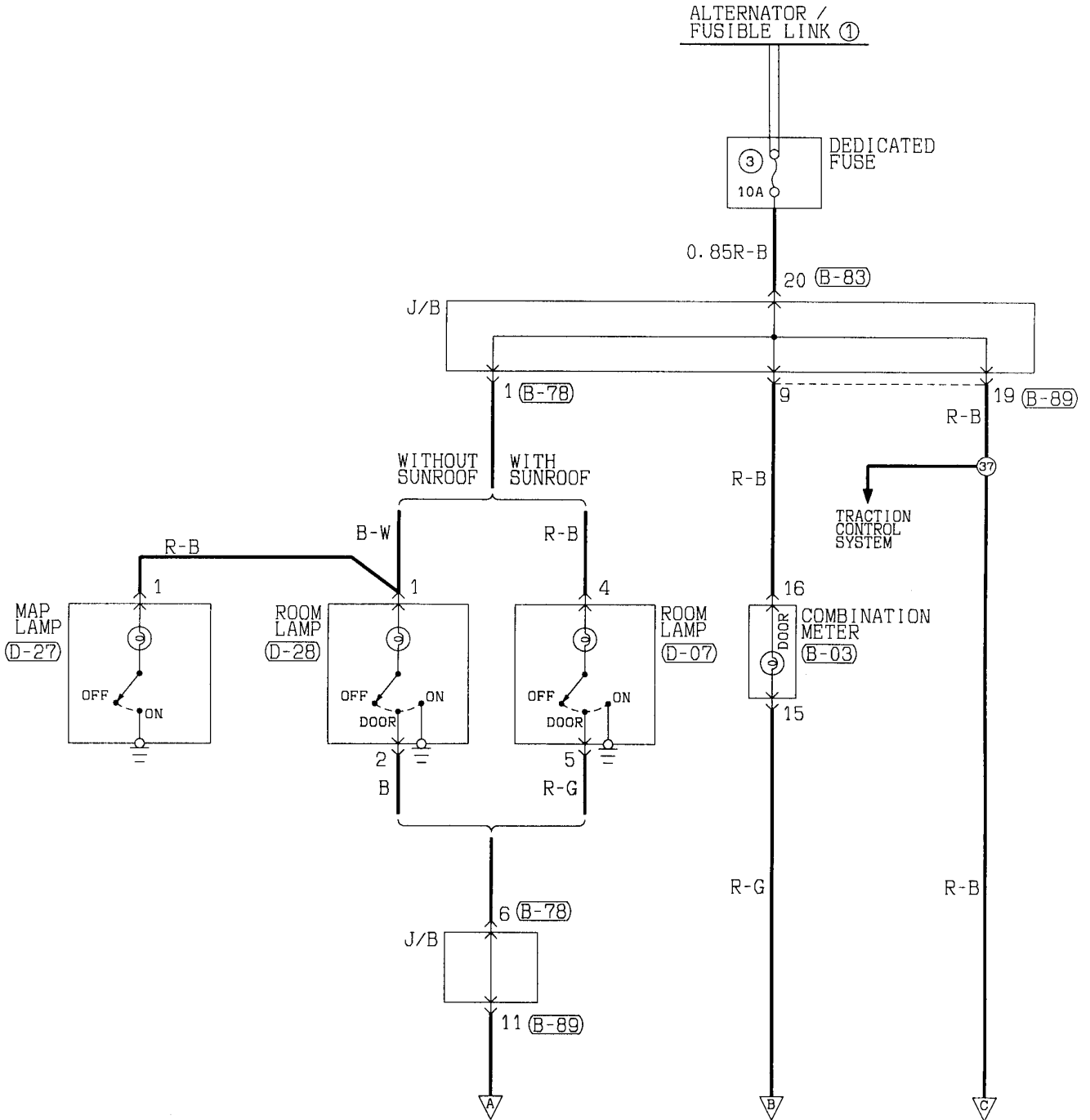


NOTES

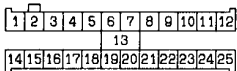
ROOM LAMP, MAP LAMP AND LUGGAGE COMPARTMENT LAMP

90101320092

Sedan



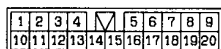
(B-03)



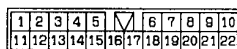
(B-78)



(B-83)



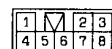
(B-89)



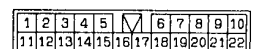
(D-02)

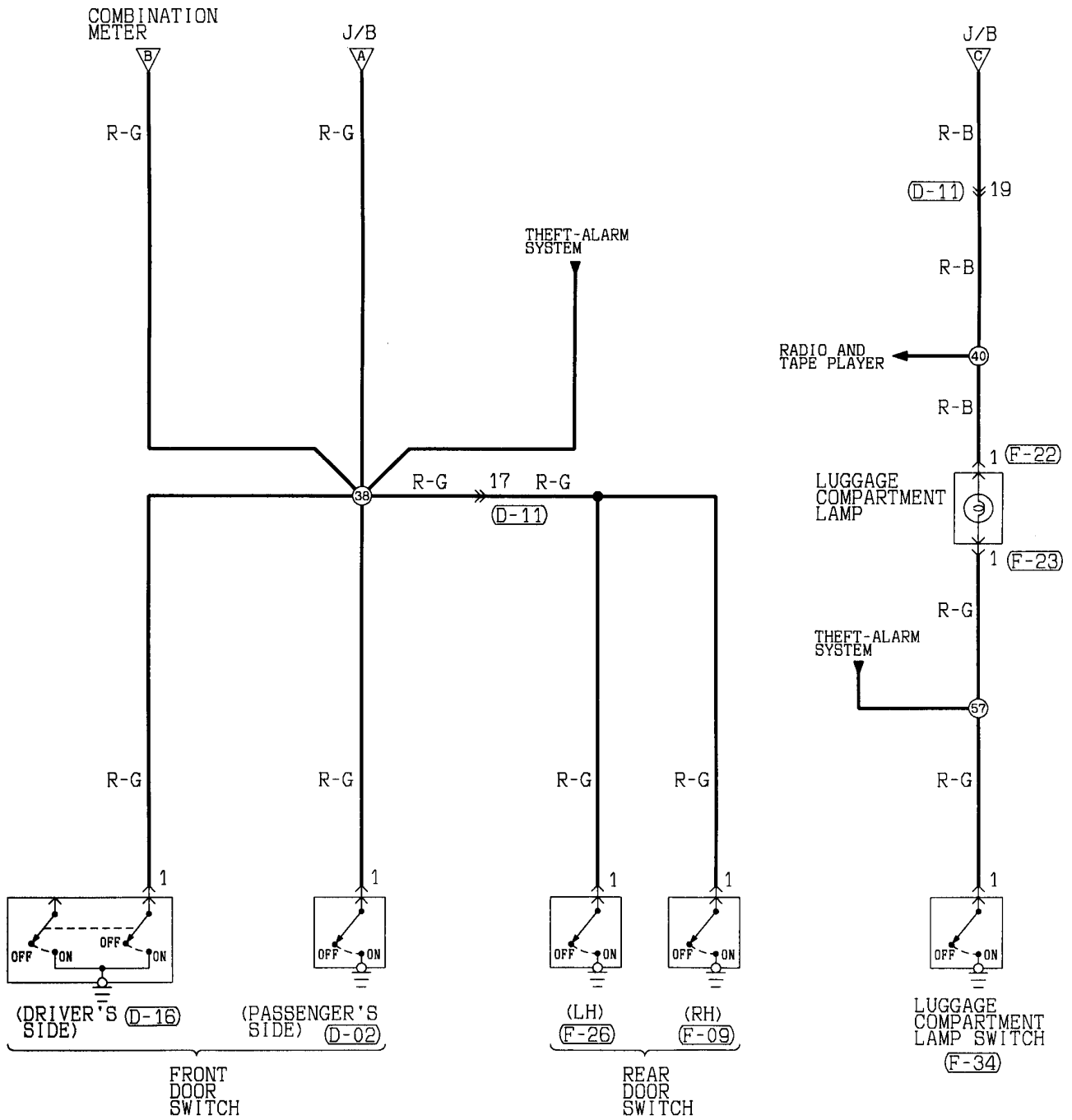


(D-07)



(D-11)



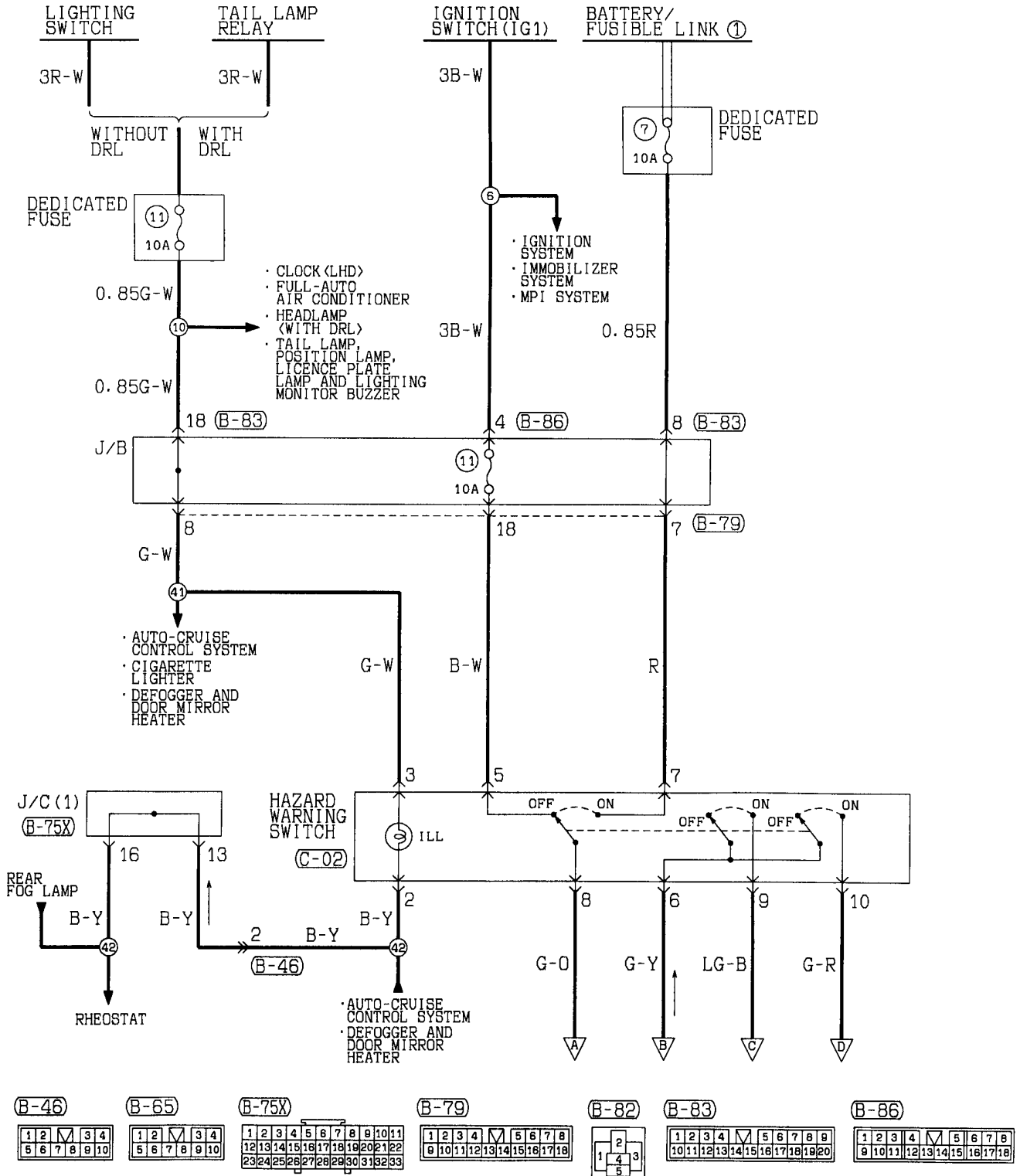


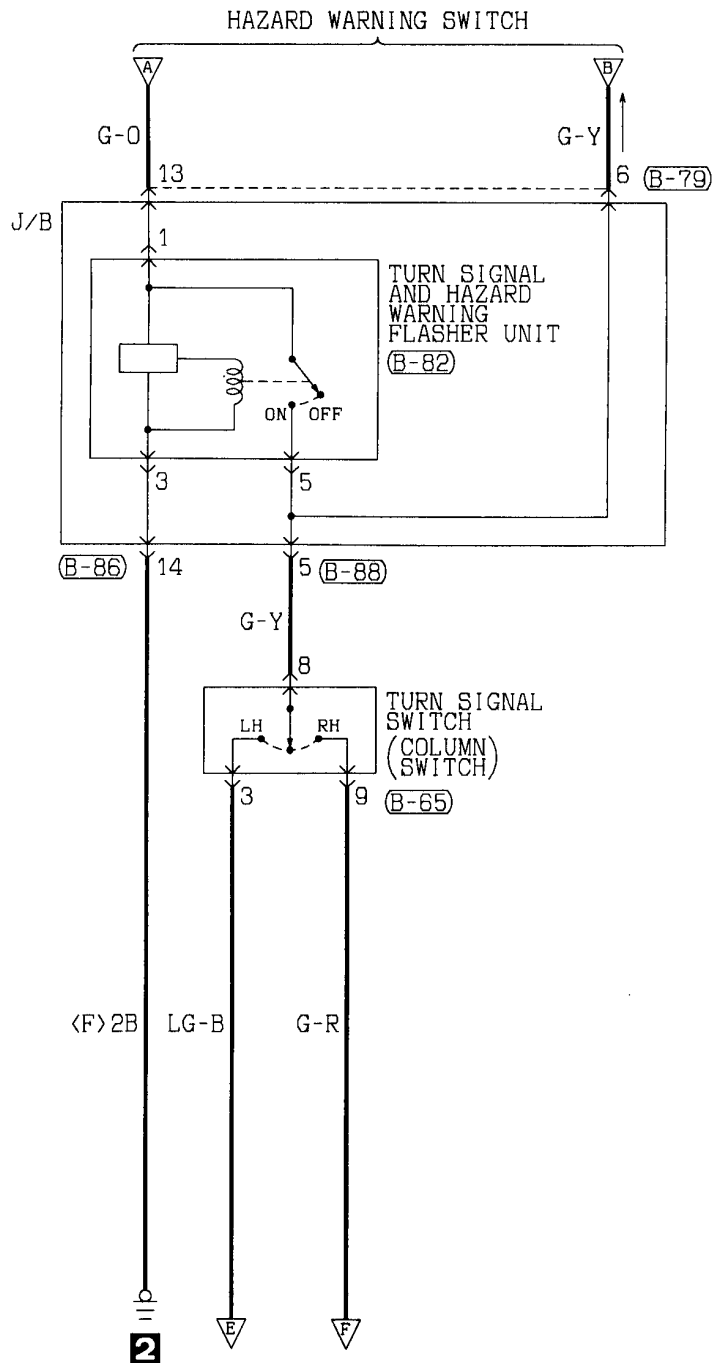
- |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| (D-16) | (D-27) | (D-28) | (F-09) | (F-22) | (F-23) | (F-26) | (F-34) |
|        |        |        |        |        |        |        |        |

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290189

Sedan





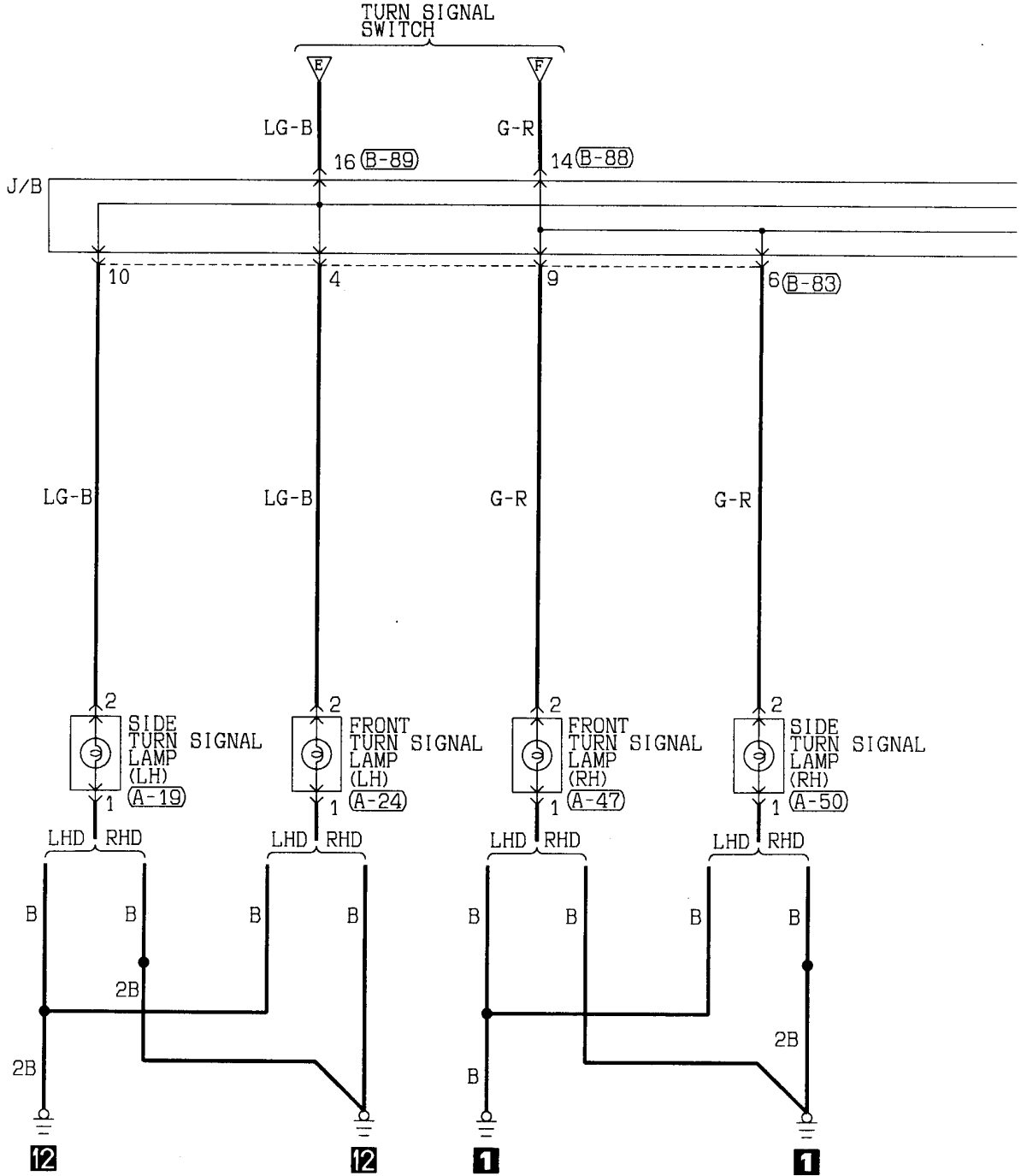
(B-88)

(C-02)

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

1	2	M	3	4	
5	6	7	8	9	10

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP <Sedan> (CONTINUED)



(A-19)

(A-24)

(A-47)

(A-50)

(B-03)

(B-05)

(B-79)

(B-83)

1	2
---	---

1	2
---	---

1	2
---	---

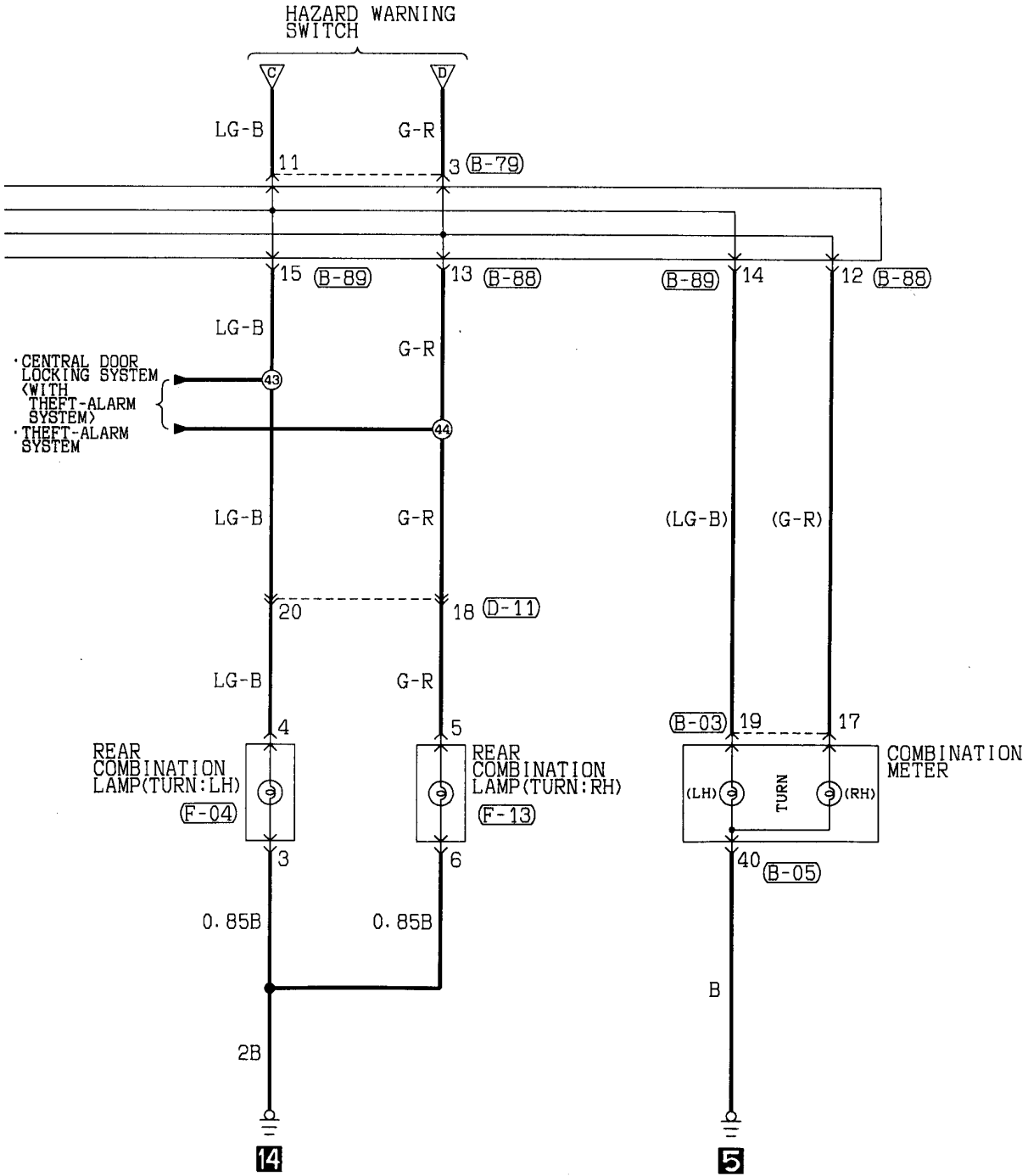
1	2
---	---

1	2	3	4	5	6	7	8	9	10	11	12
											13
14	15	16	17	18	19	20	21	22	23	24	25

31	32	33	34	35	36	37	38	39	40	41	42
											43
44	45	46	47	48	49	50	51	52	53	54	55

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

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



(B-88)

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

(B-89)

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

(D-11)

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

(F-04)

1	2		
3	4	5	6

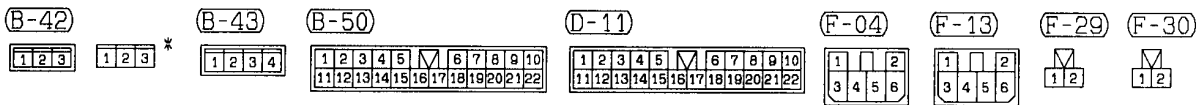
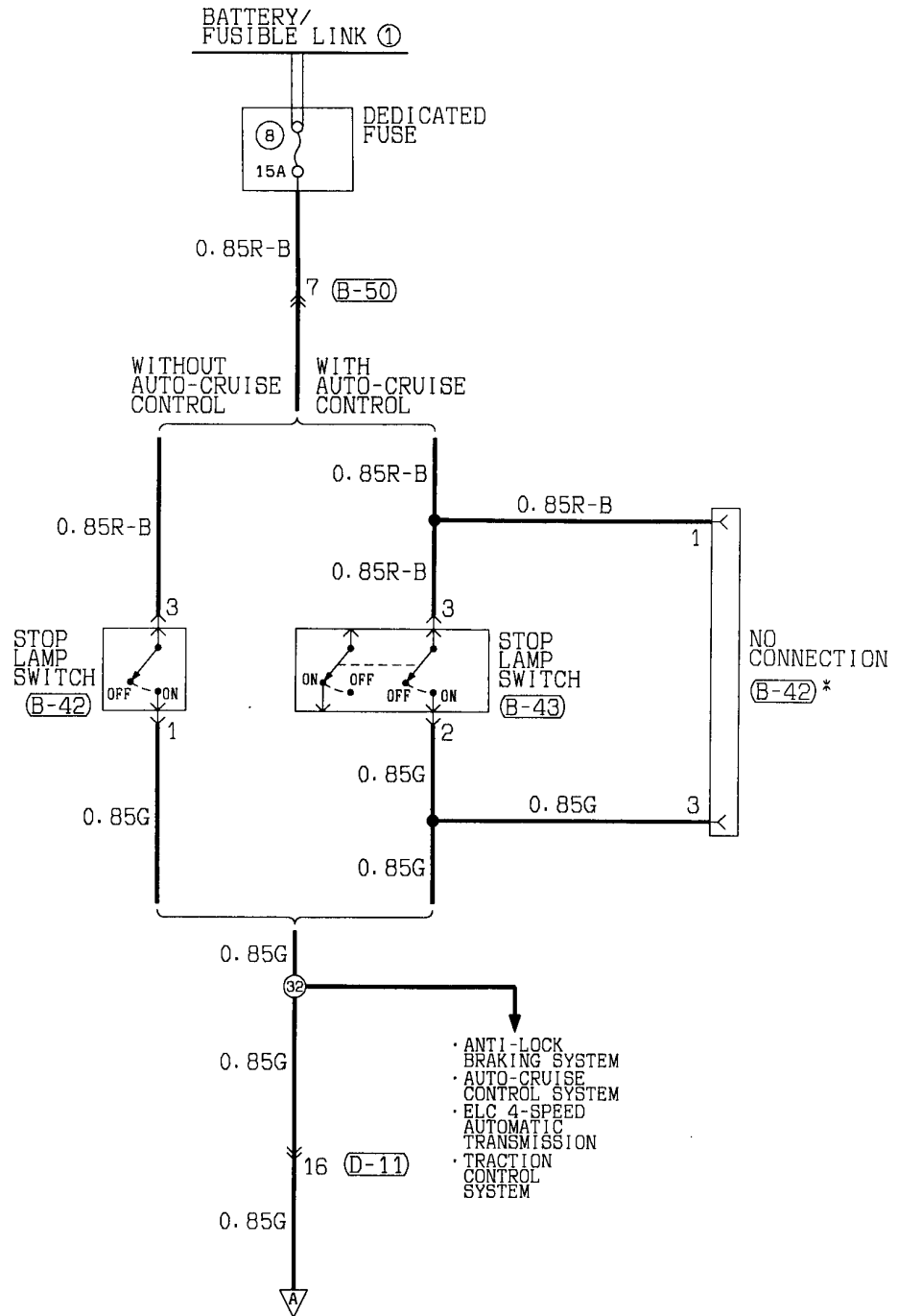
(F-13)

1	2		
3	4	5	6

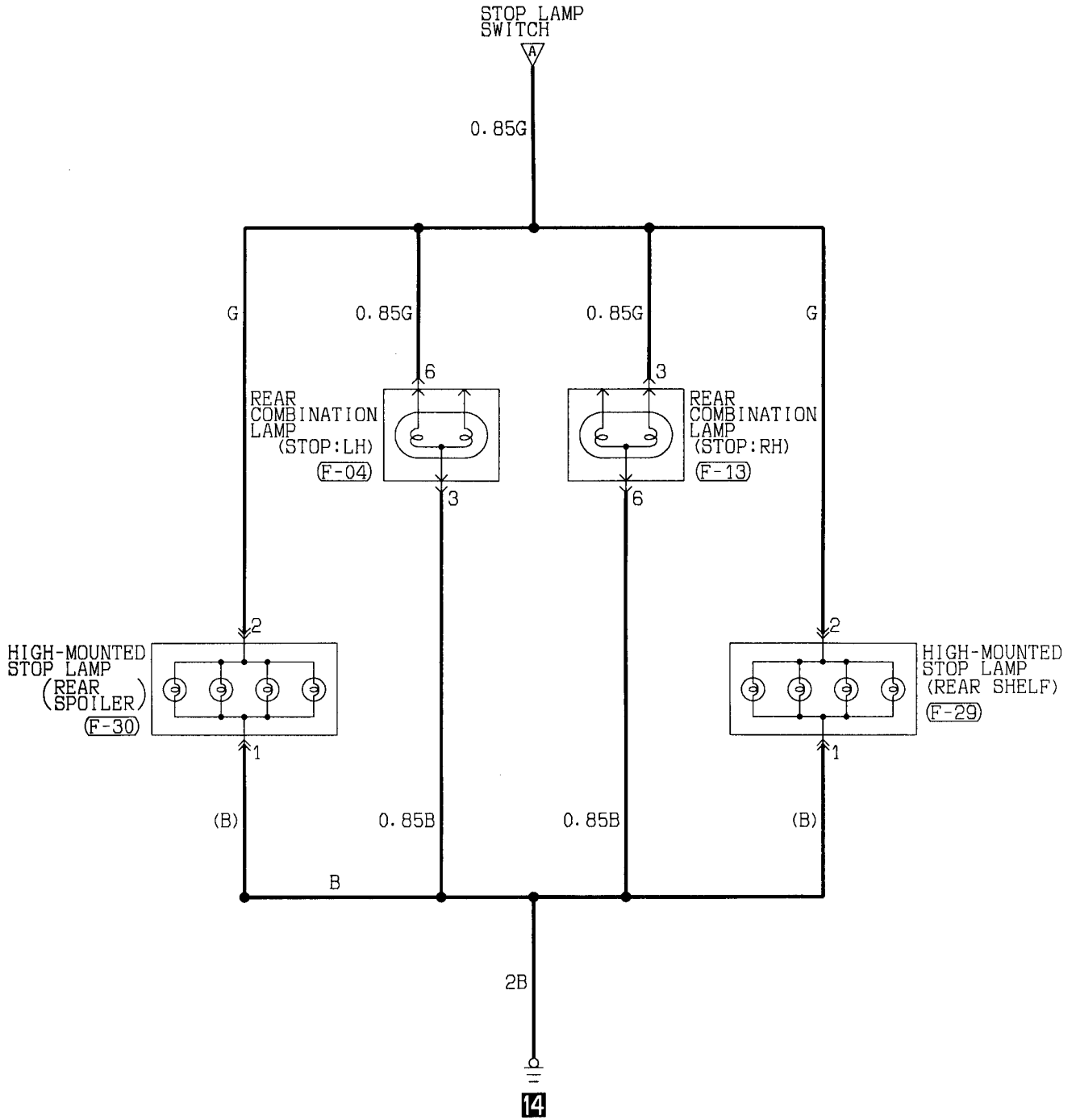
STOP LAMP

90100300189

Sedan

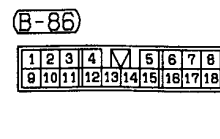
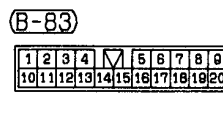
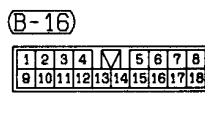
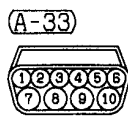
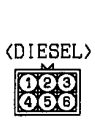
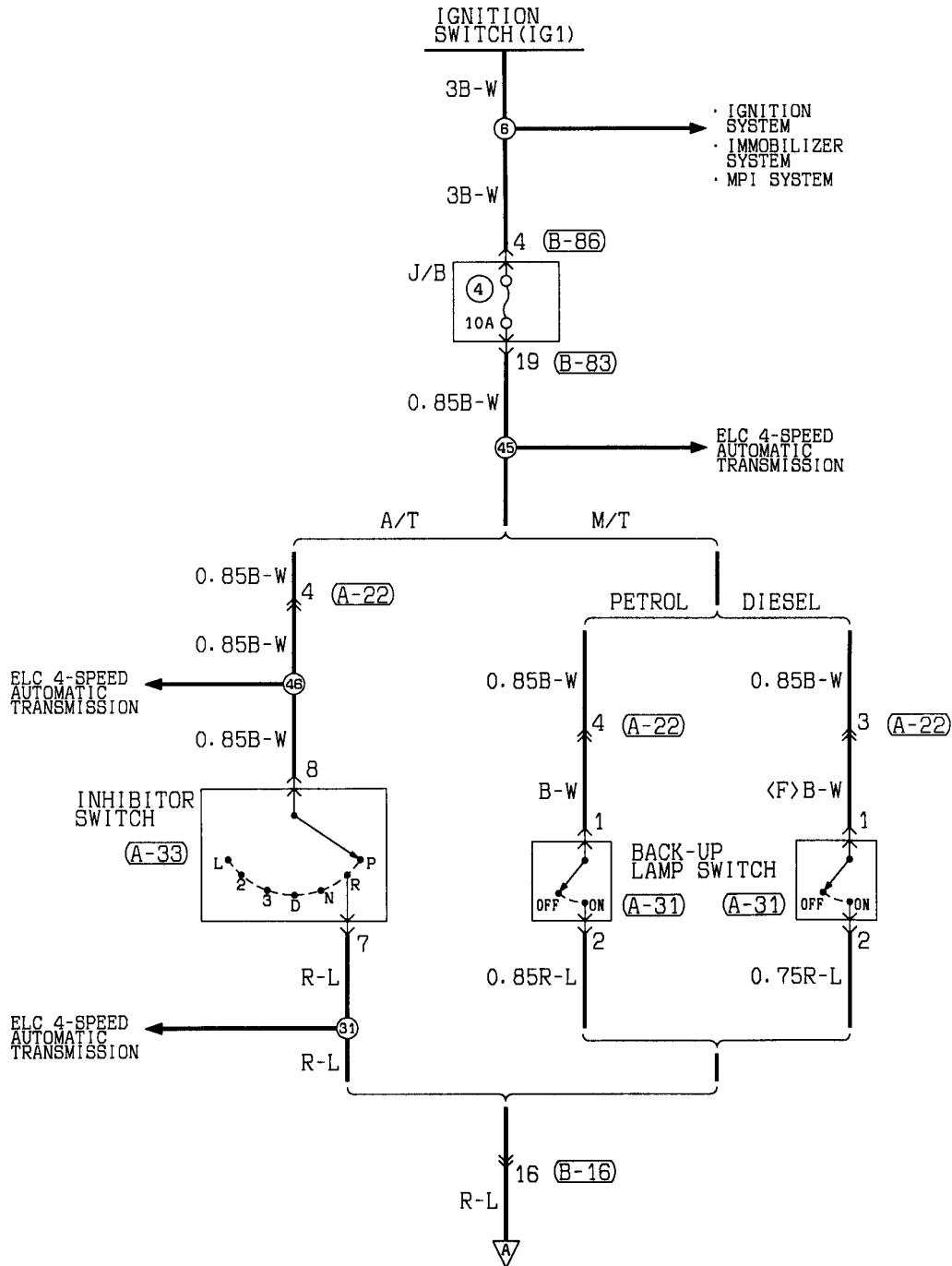


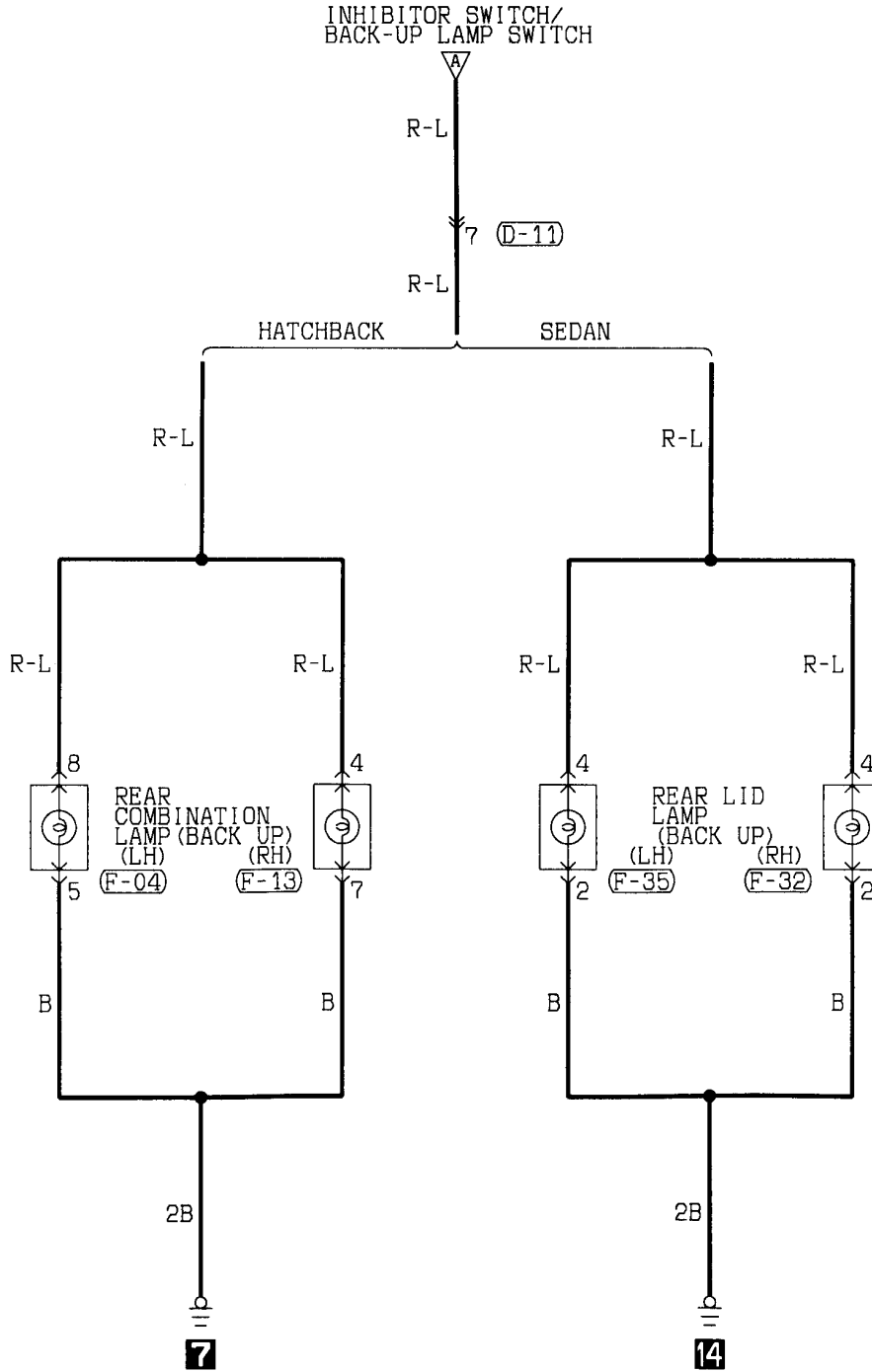




BACK-UP LAMP

90100310199





(D-11)

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

(F-04)

1	2	3	
4	5	6	7
8			

(F-13)

1	2	3	
4	5	6	7
8			

(F-32)

1	2
3	4

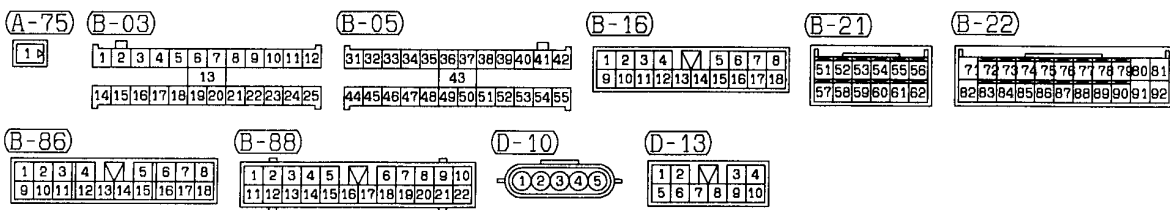
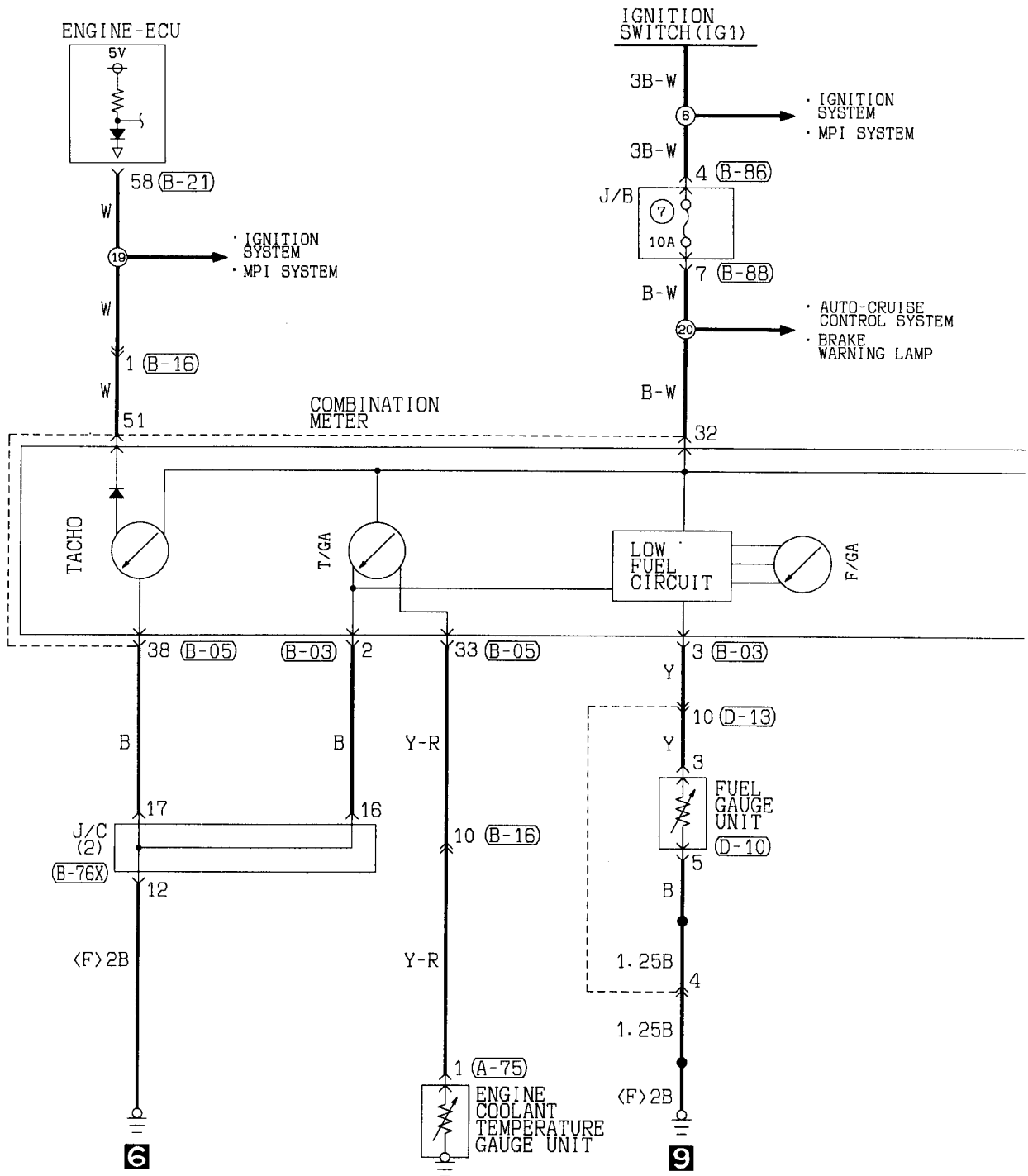
(F-35)

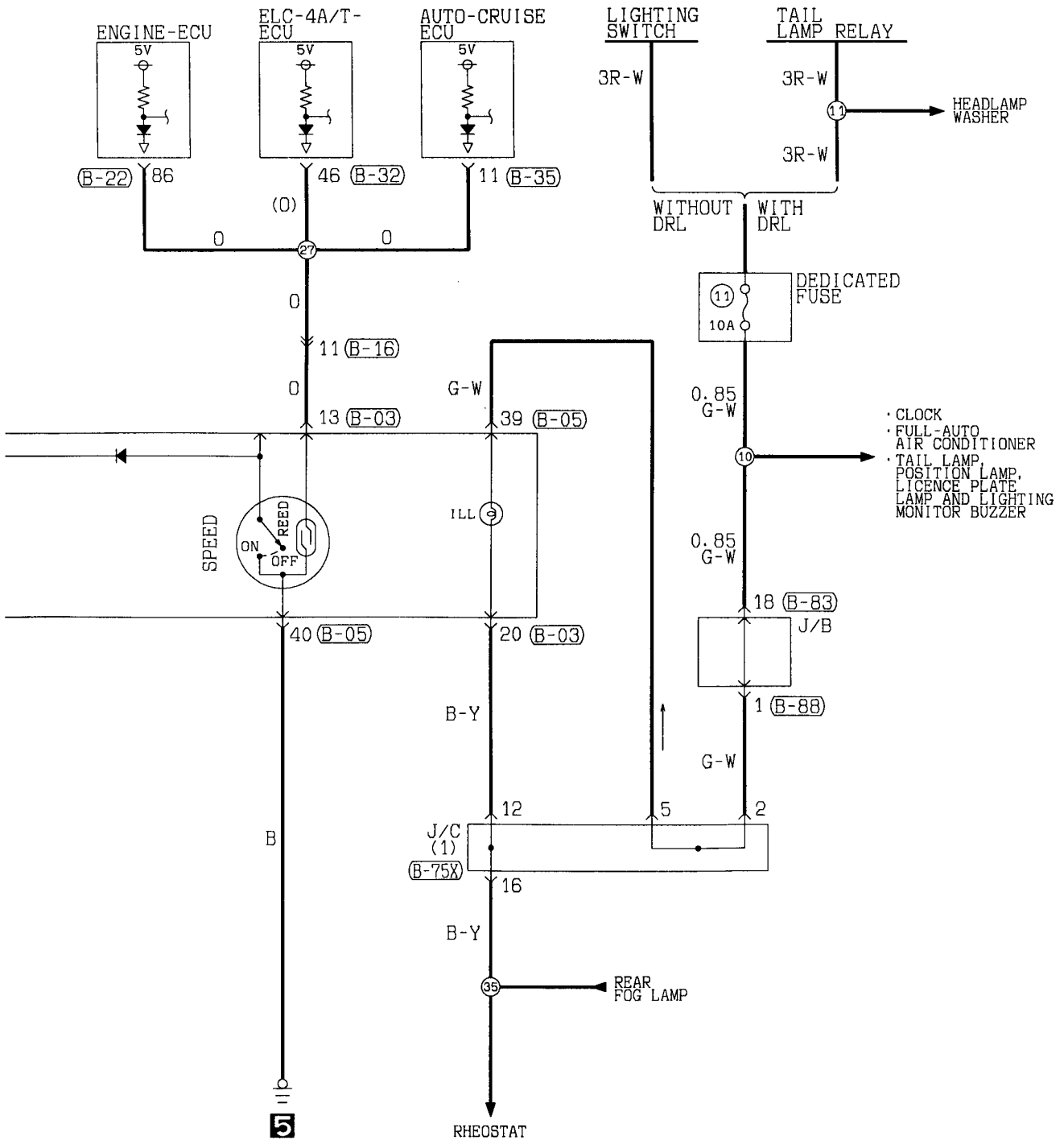
1	2
3	4

METER AND GAUGE

90100350221

Petrol-powered vehicles





- CLOCK
- FULL-AUTO AIR CONDITIONER
- TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER

(B-32)

31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-35)

1	2	3	4	A	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

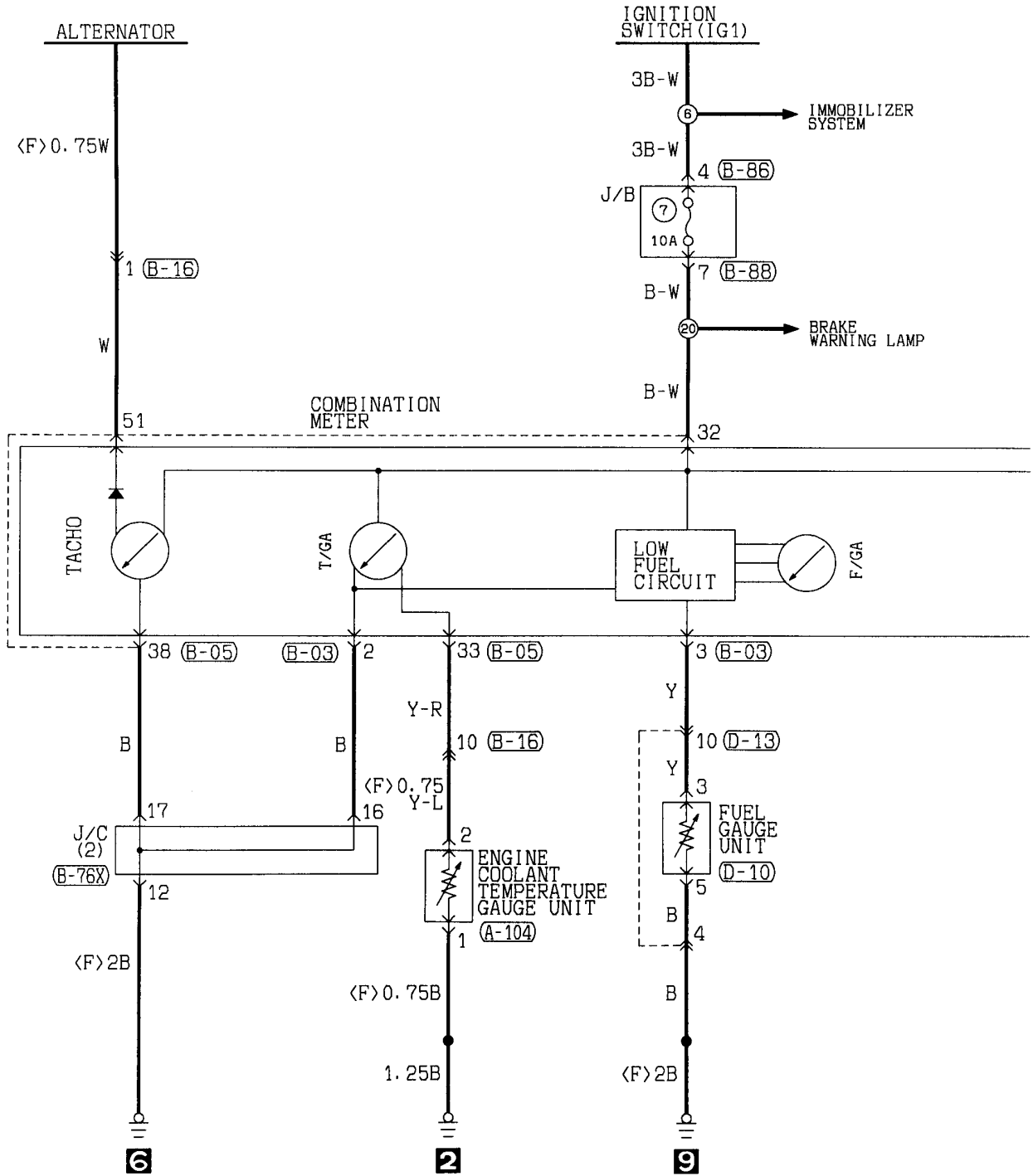
(B-83)

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

METER AND GAUGE

90100350238

Diesel-powered vehicles



(A-104)

1	2
3	4

(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
											13
14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
											43
44	45	46	47	48	49	50	51	52	53	54	55

(B-16)

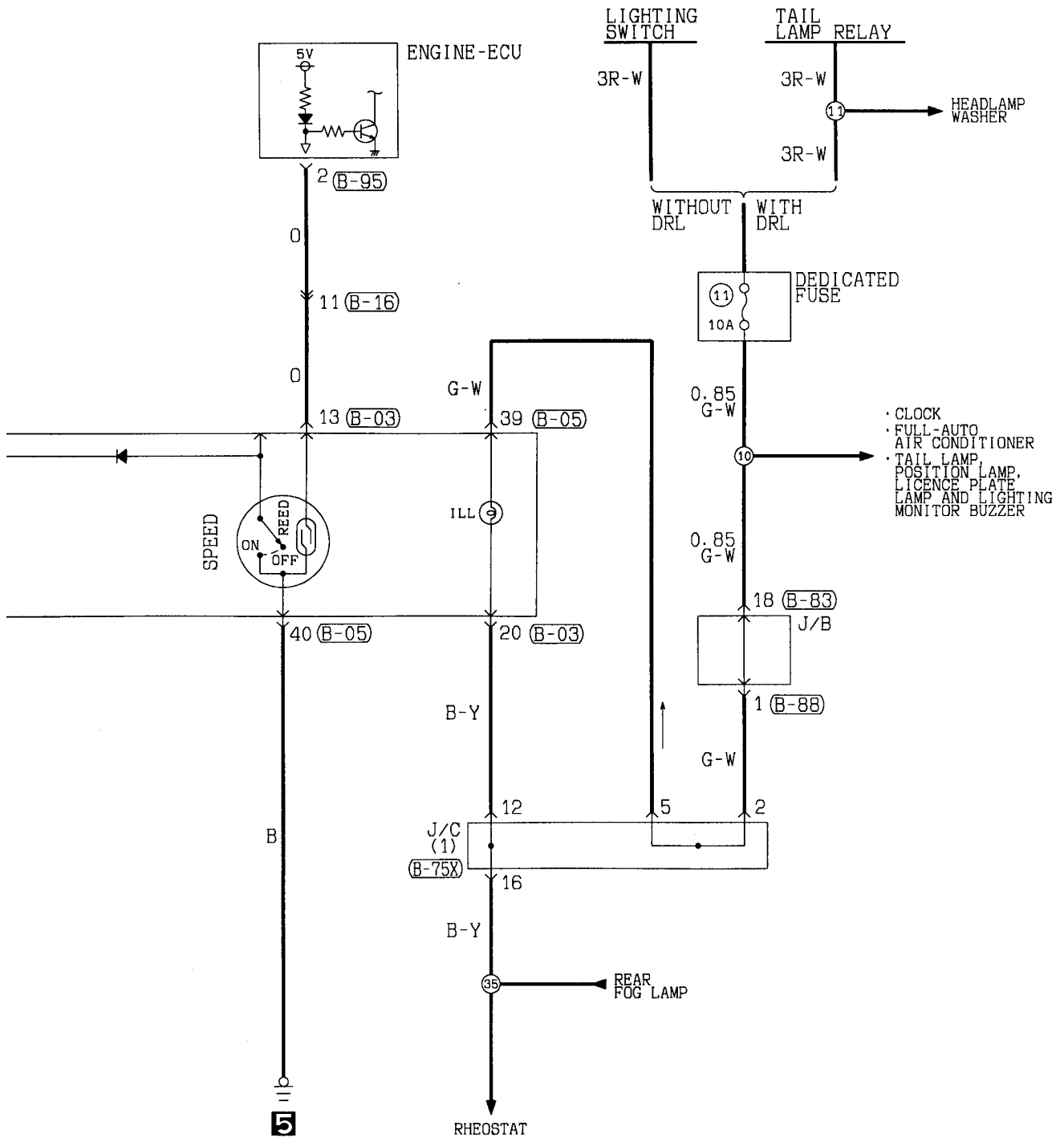
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33



- CLOCK
- FULL-AUTO AIR CONDITIONER
- TAIL LAMP, POSITION LAMP, LICENCE PLATE LAMP AND LIGHTING MONITOR BUZZER

(B-83)

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

(B-86)

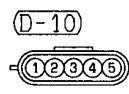
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-88)

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

(B-95)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	



(D-13)

1	2	3	4		
5	6	7	8	9	10

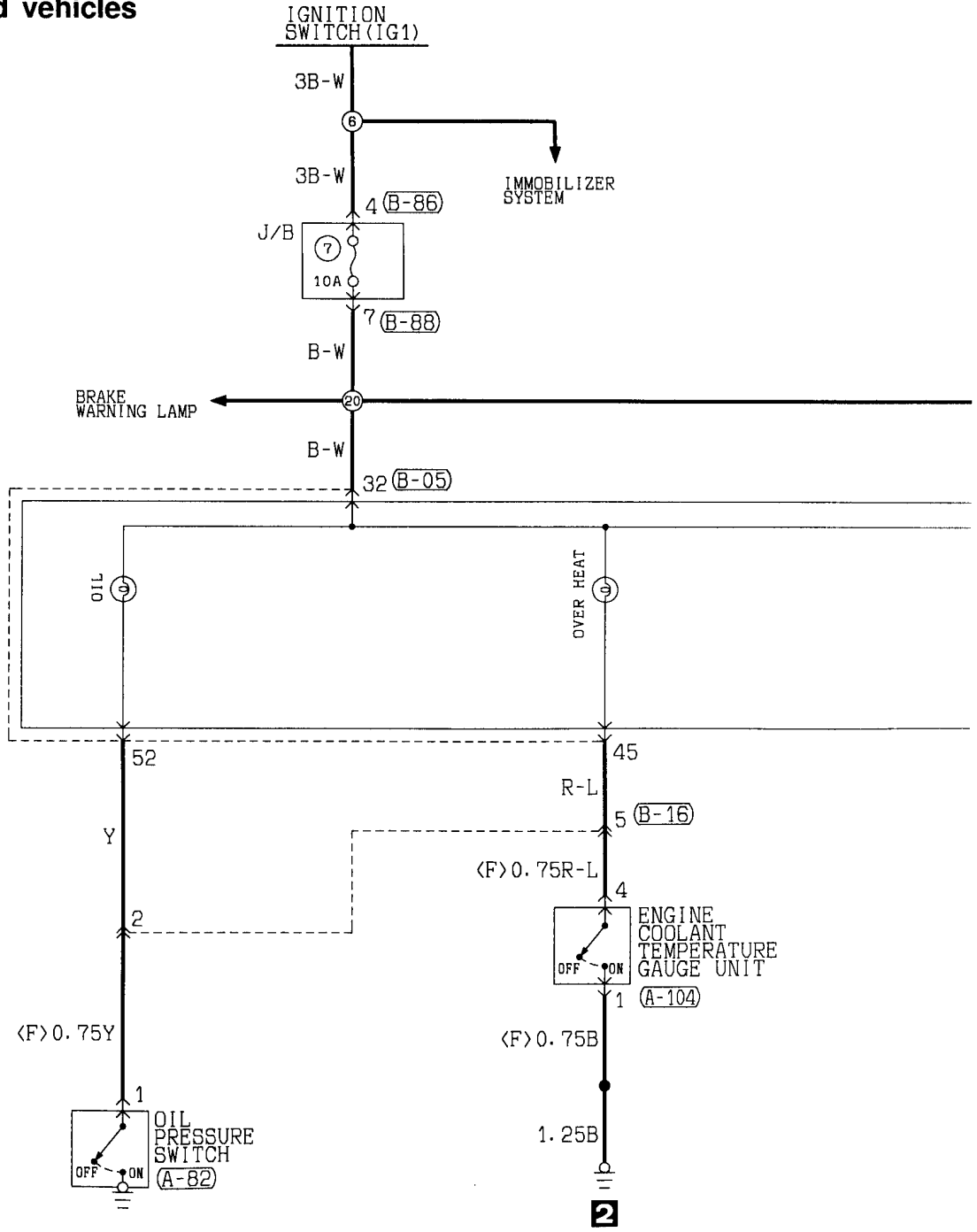
**OIL PRESSURE WARNING LAMP**

90101180126

Diesel-powered vehicles

**OVER HEATING WARNING LAMP**

Diesel-powered vehicles



(A-13)

1	2
---	---

(A-82)

1
---

(A-104)

1	2	3
---	---	---

(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
											13
14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
											43
44	45	46	47	48	49	50	51	52	53	54	55

(B-16)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

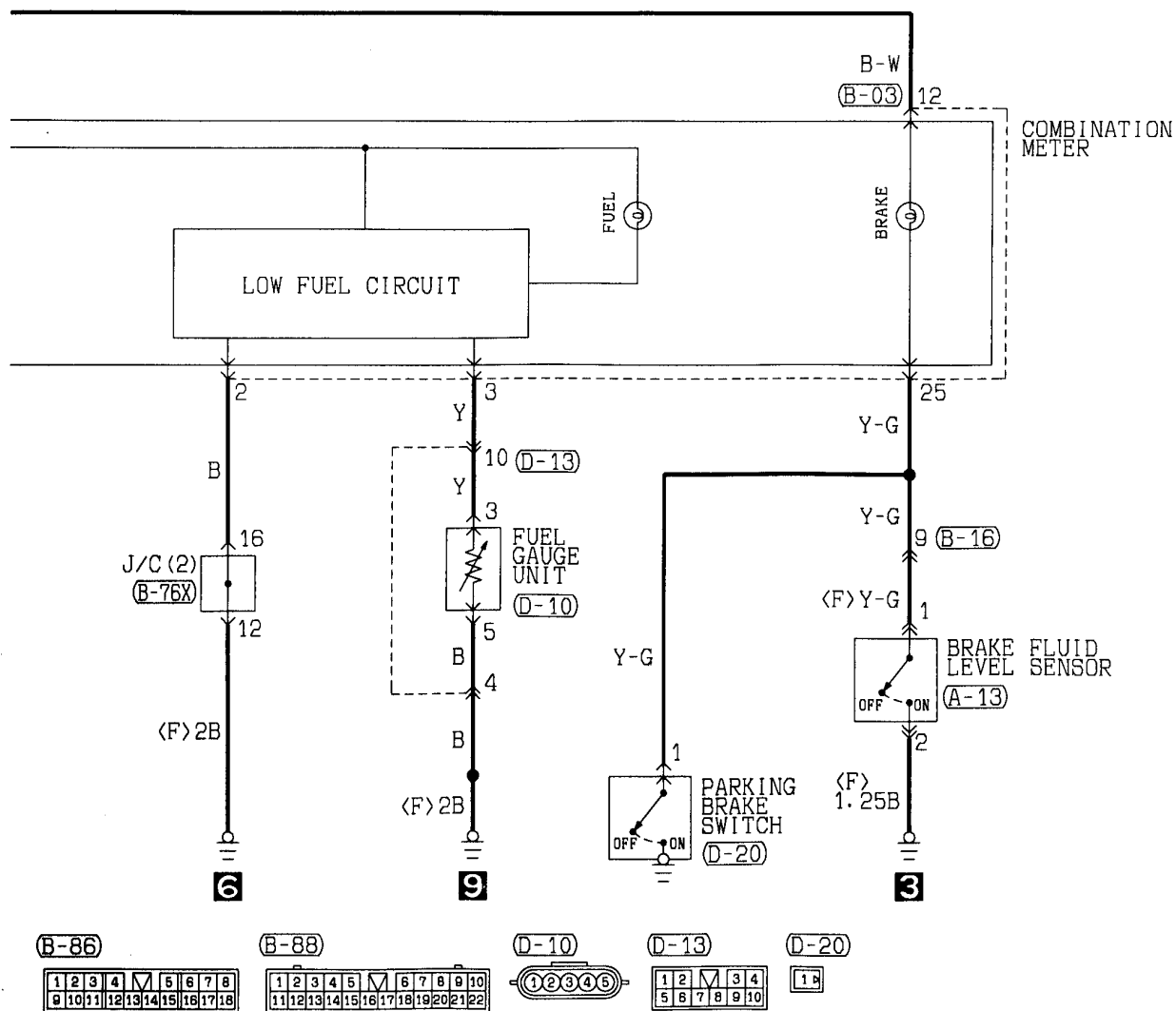


# FUEL WARNING LAMP

Diesel-powered vehicles

# BRAKE WARNING LAMP

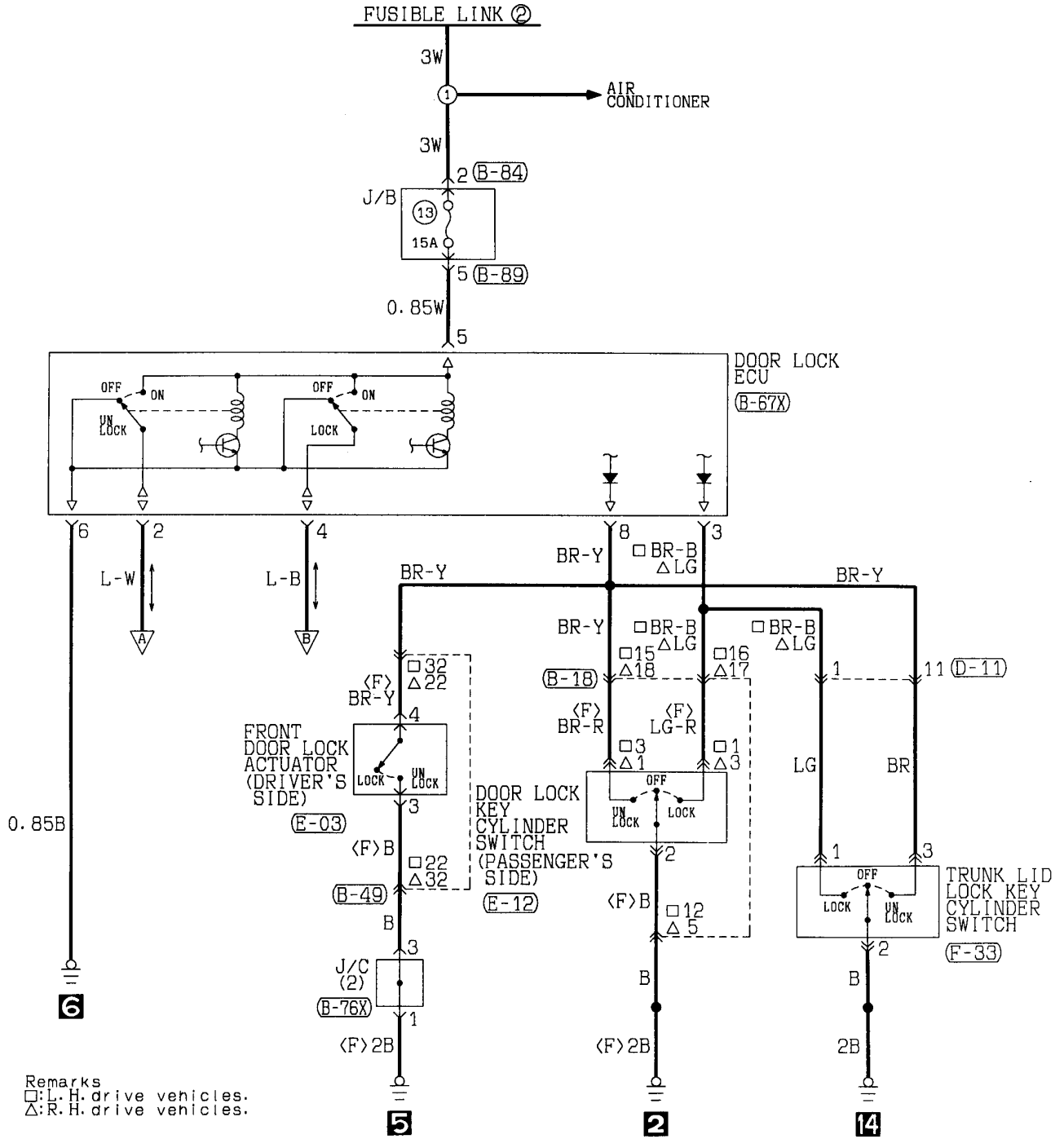
Diesel-powered vehicles



CENTRAL DOOR LOCKING SYSTEM

90100470330

Vehicles without theft-alarm system <Sedan>



Remarks  
 □: L. H. drive vehicles.  
 △: R. H. drive vehicles.

(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32				

(B-67X)

1	2	3
4	5	6
7	8	9

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-84)

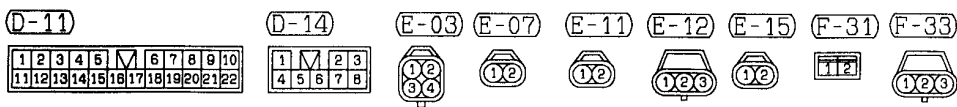
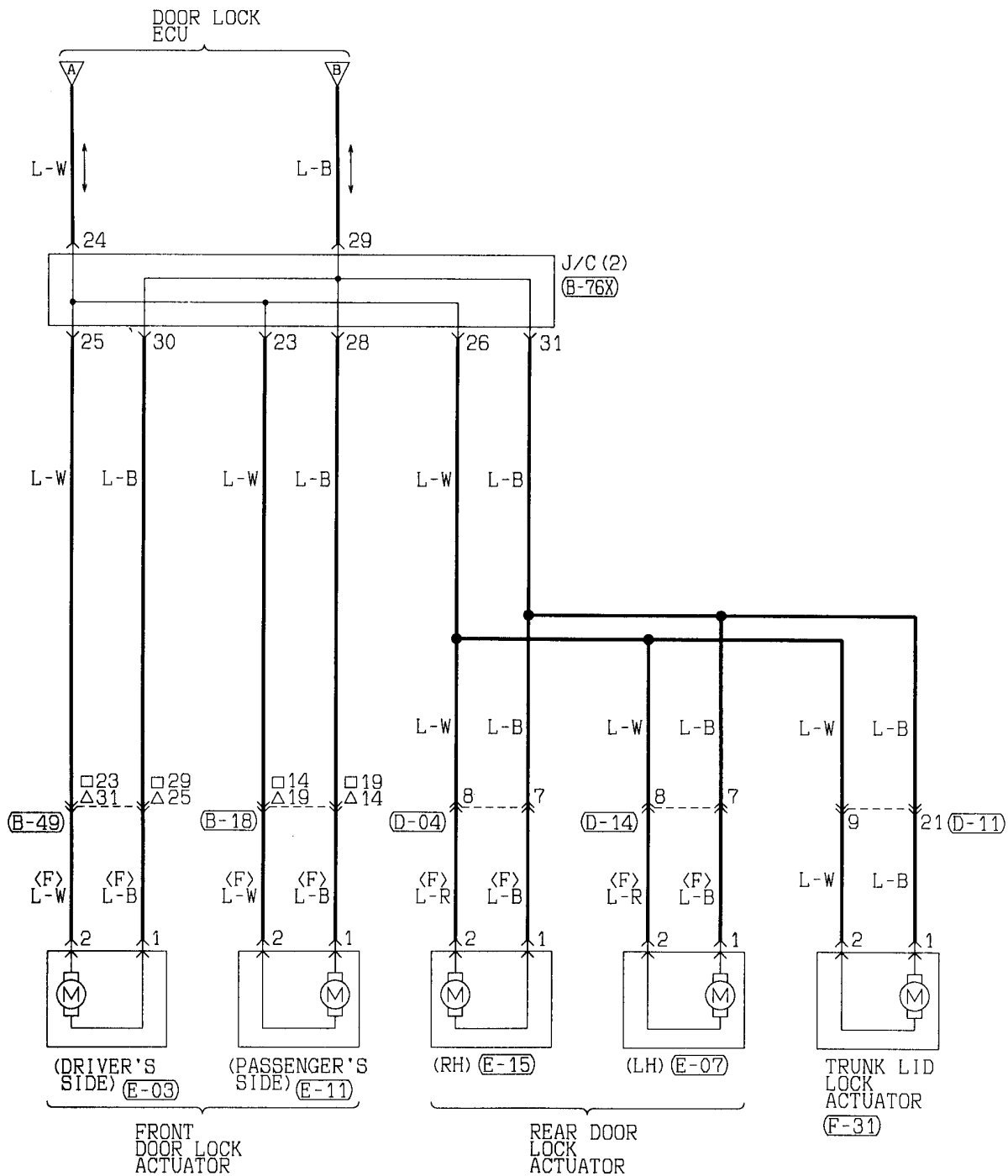
1	2
---	---

(B-89)

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

(D-04)

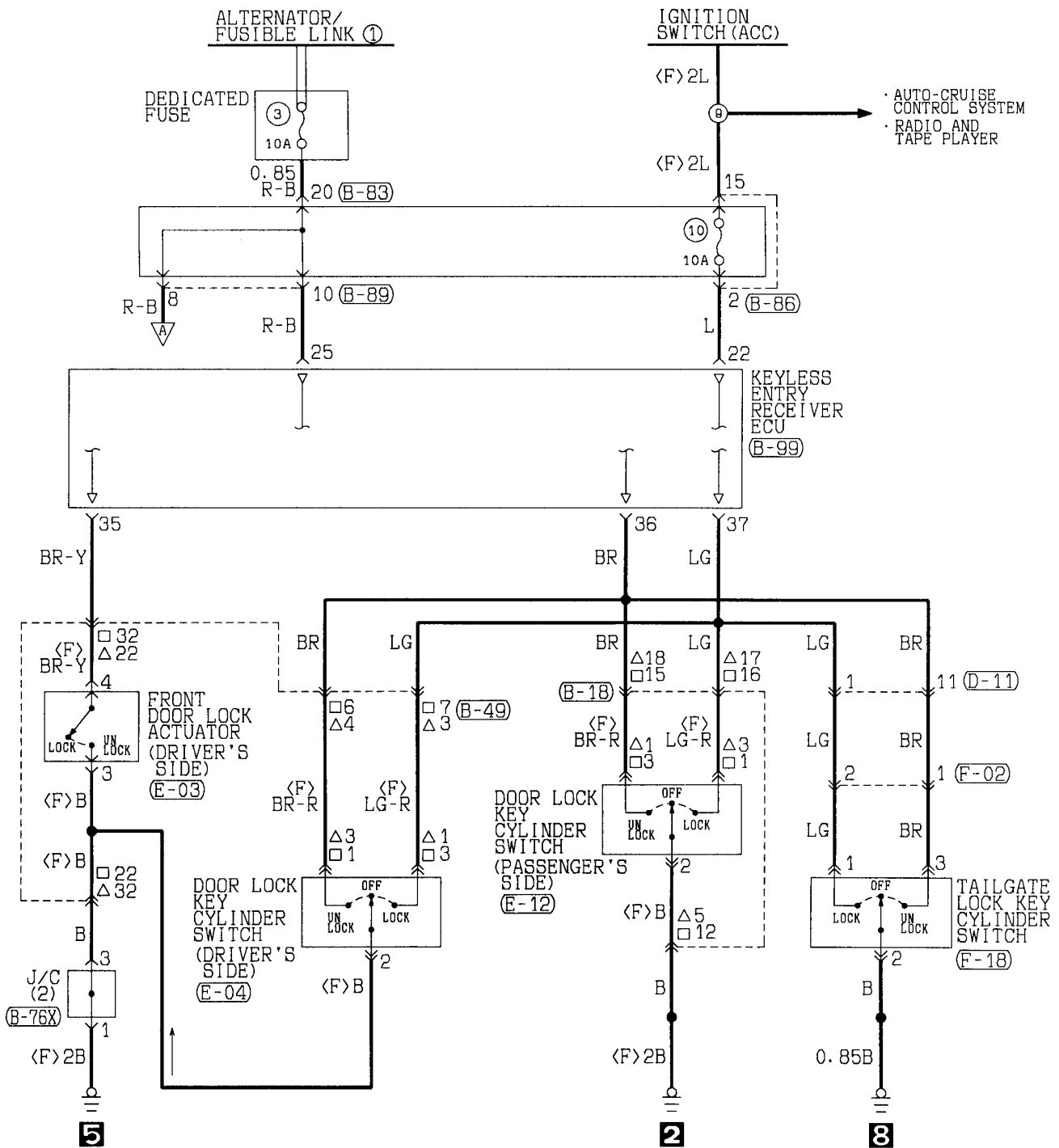
1	2	3
4	5	6
7	8	



CENTRAL DOOR LOCKING SYSTEM

90100470347

Vehicles with theft-alarm system <Hatchback>



(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33			

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

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

(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

(E-11)



(E-12)



(E-15)



(F-02)

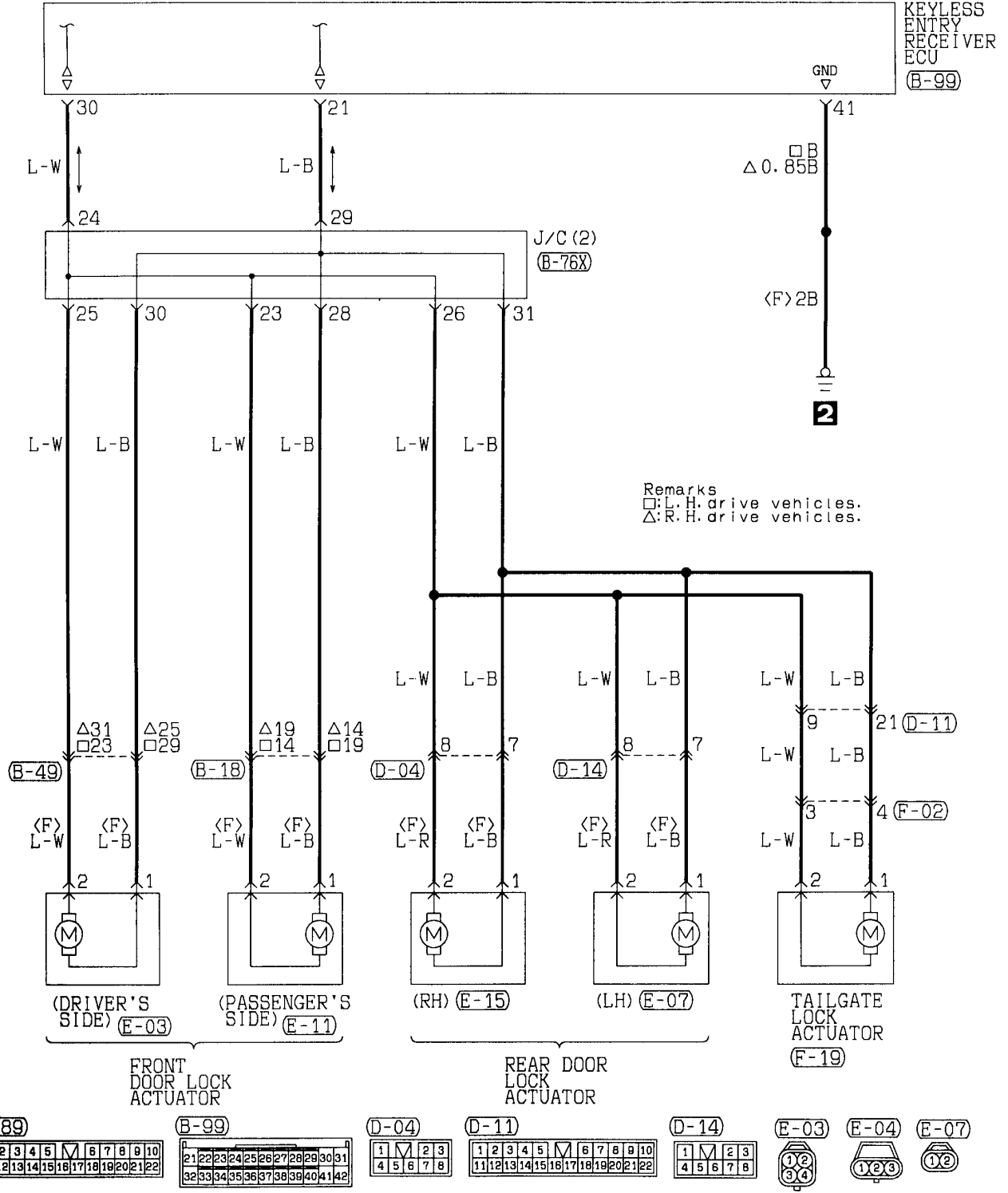


(F-18)



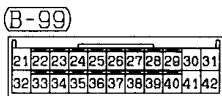
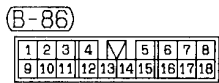
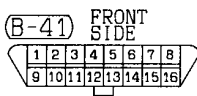
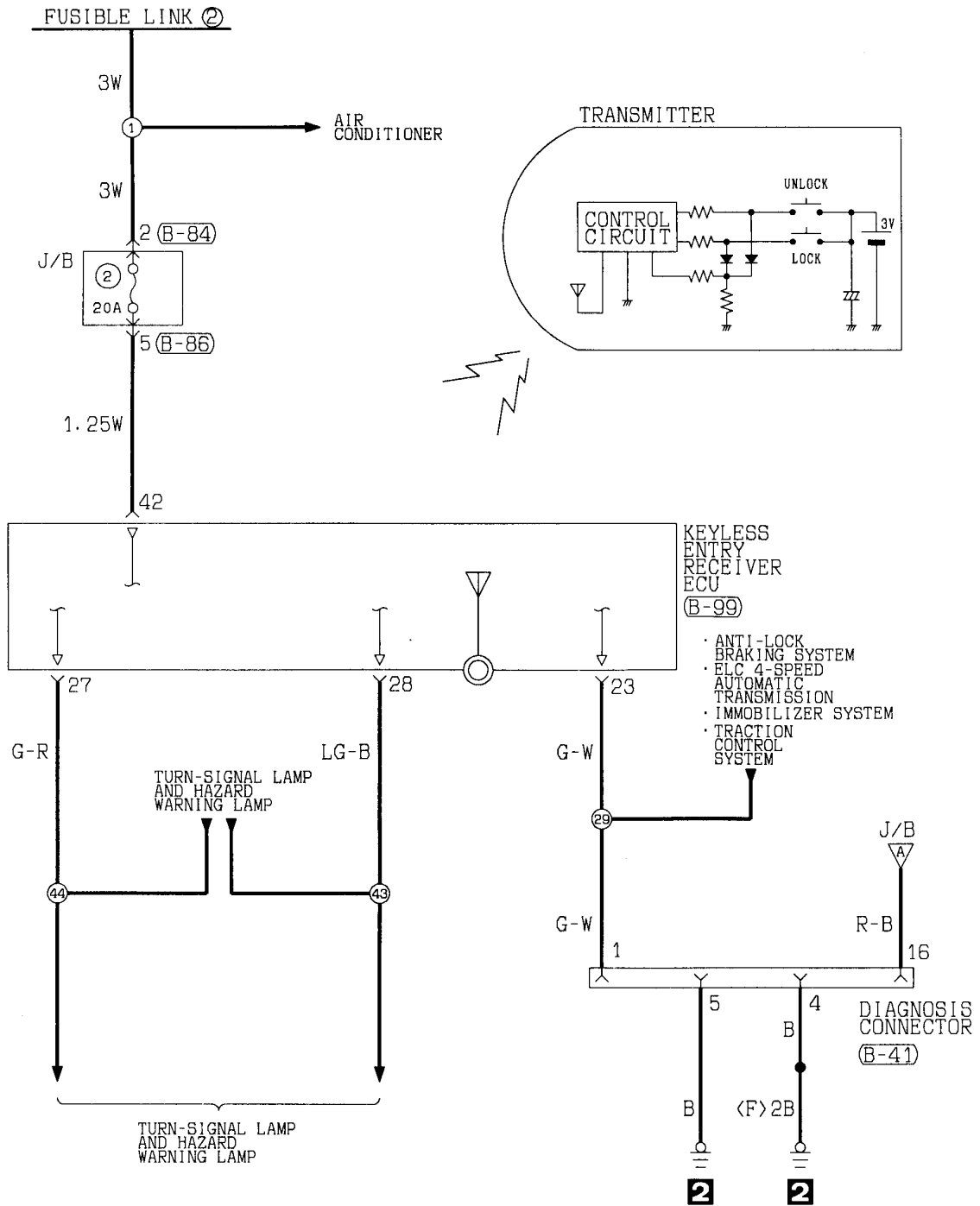
(F-19)





**CENTRAL DOOR LOCKING SYSTEM**

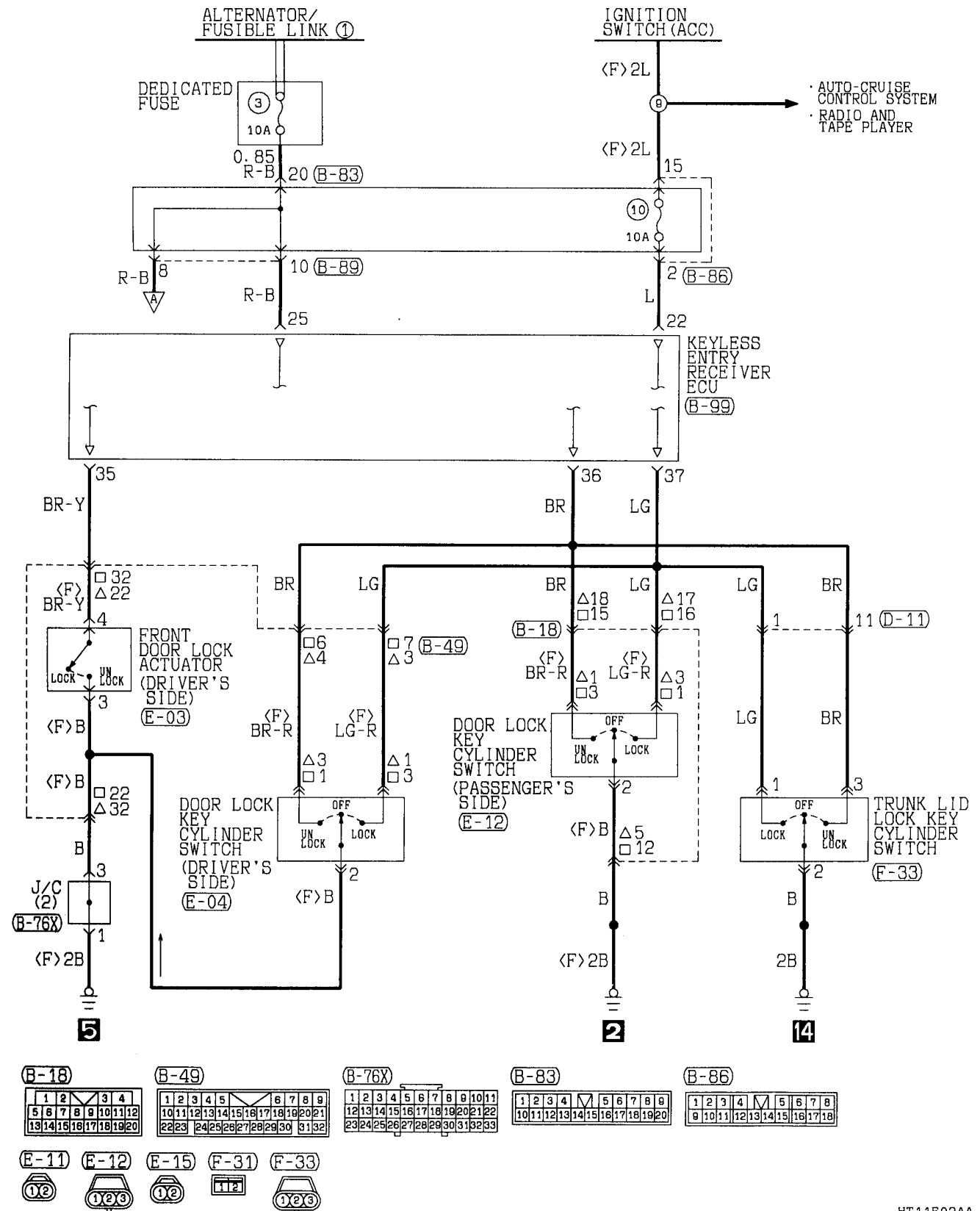
<Vehicles with theft-alarm system (Hatchback)> (CONTINUED)



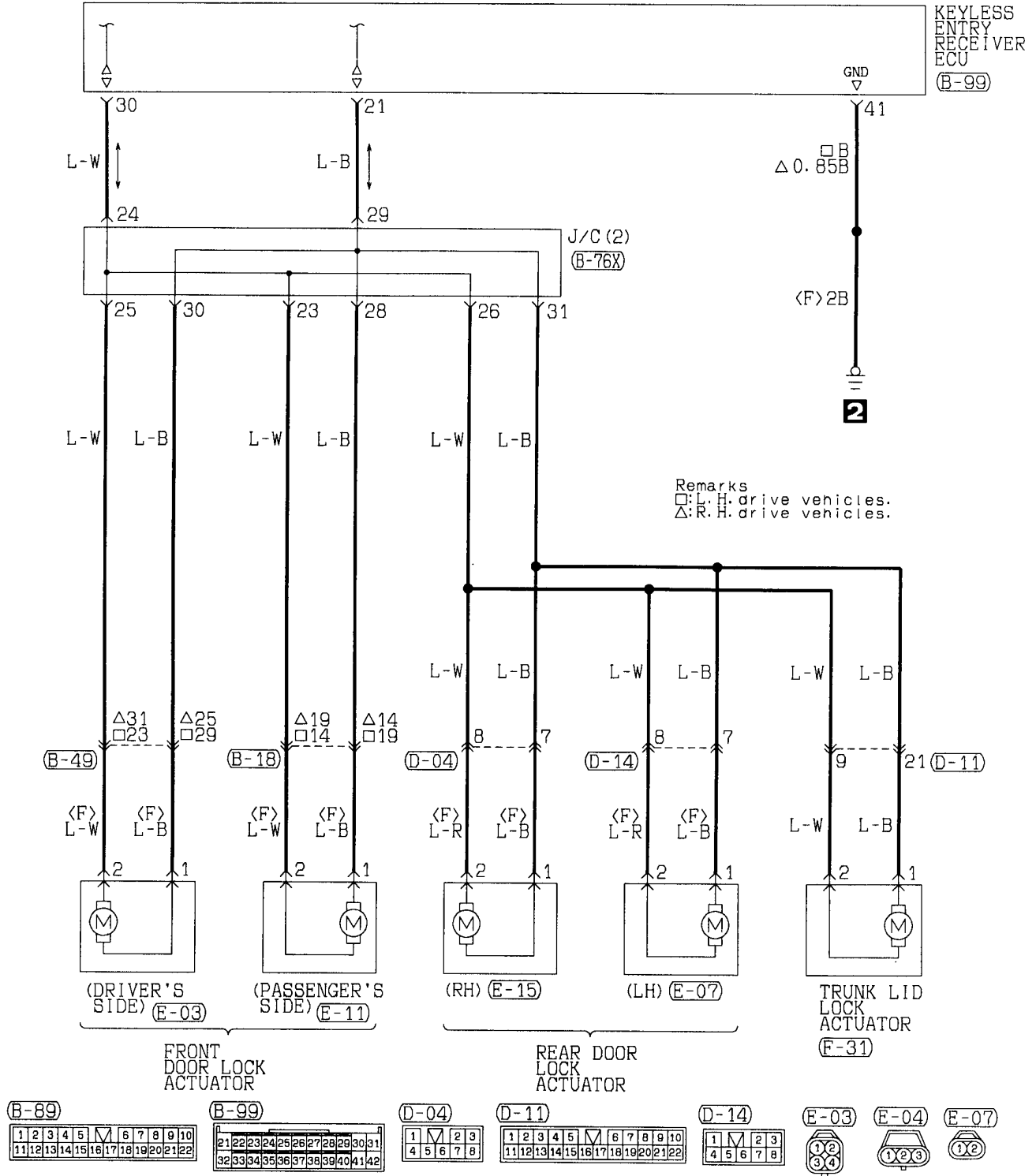
CENTRAL DOOR LOCKING SYSTEM

90100470354

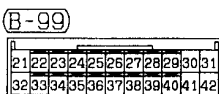
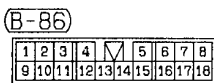
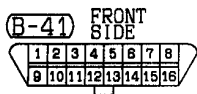
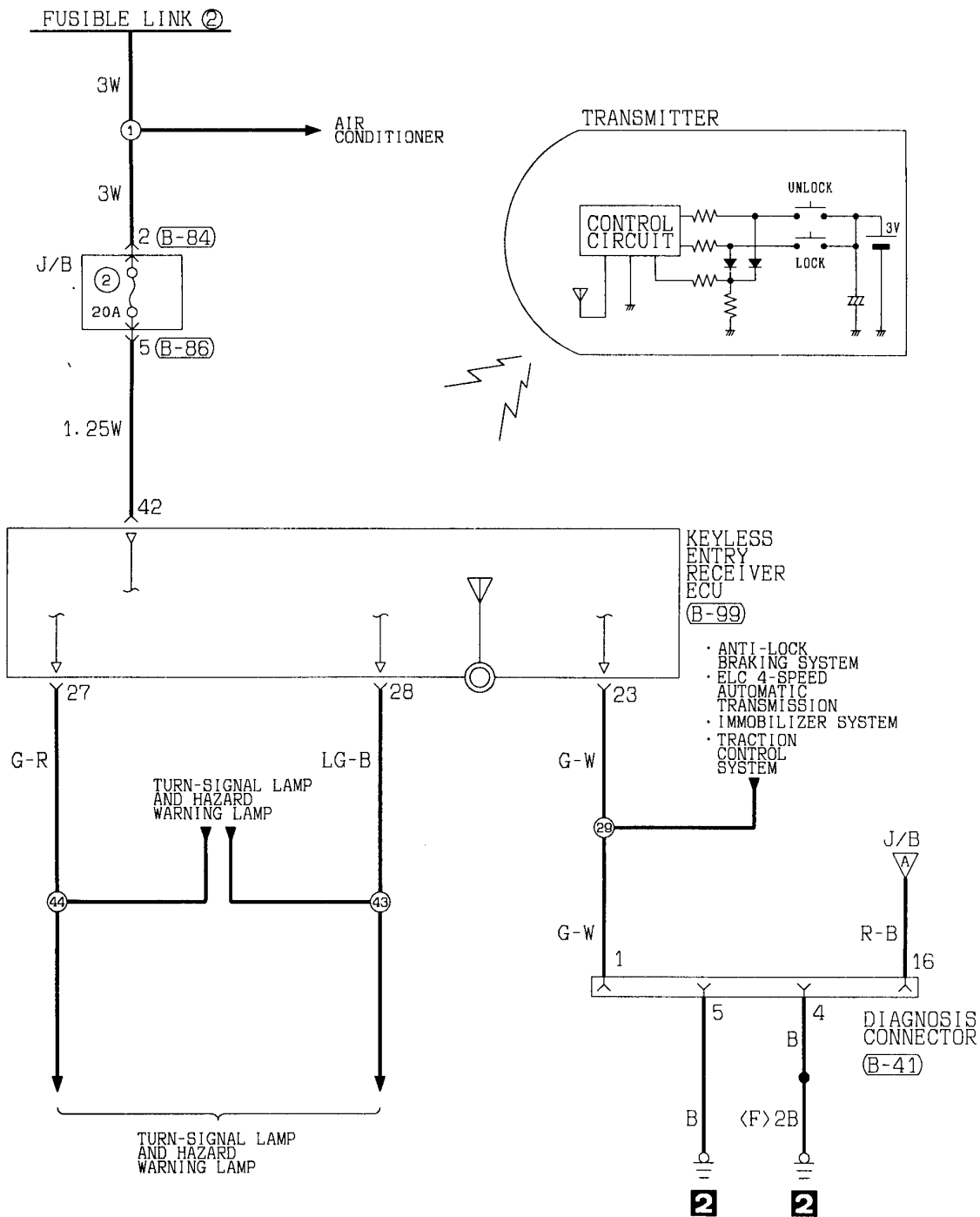
Vehicles with theft-alarm system <Sedan>



**CENTRAL DOOR LOCKING SYSTEM <Vehicles with theft-alarm system (Sedan)>  
(CONTINUED)**



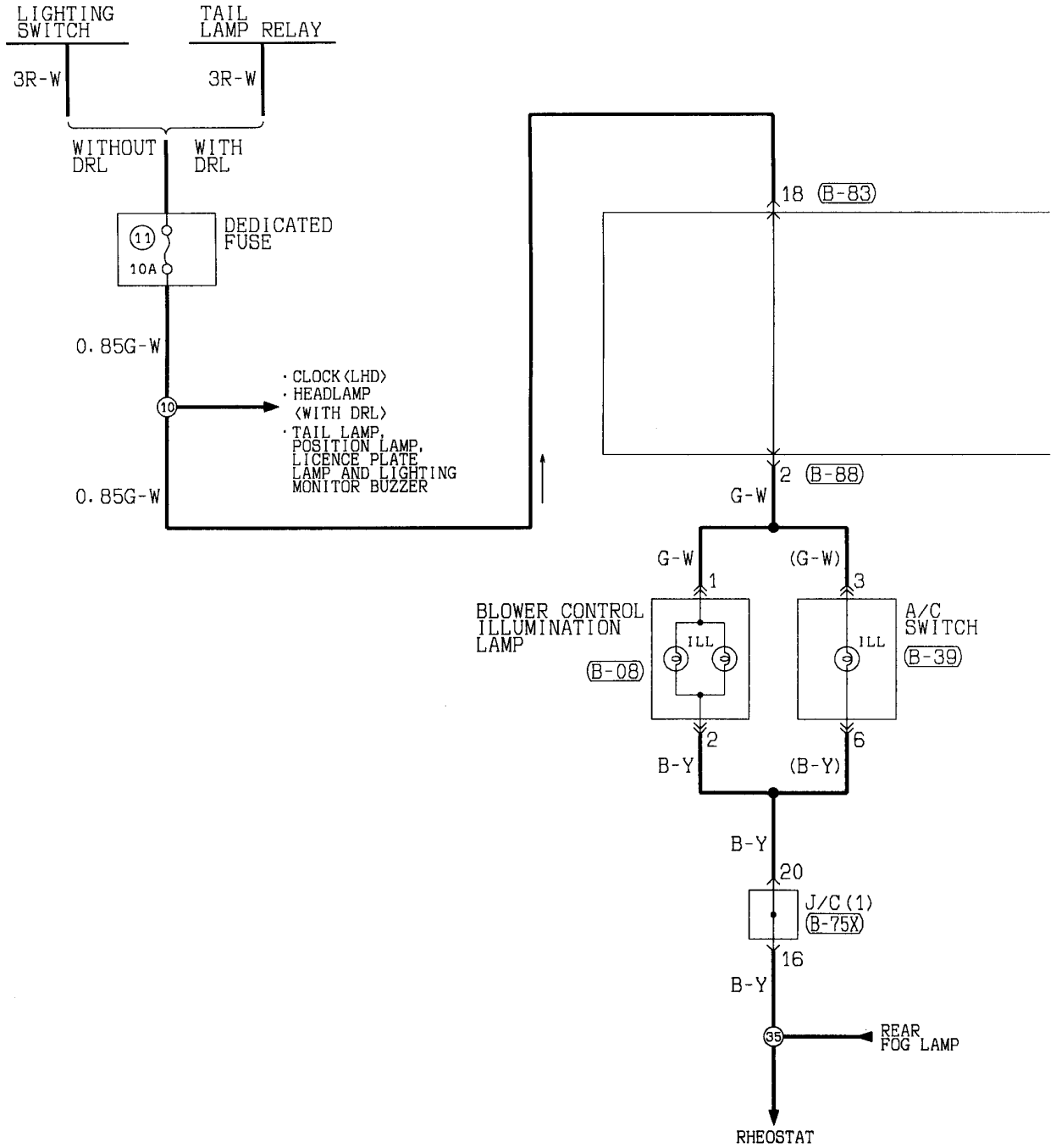


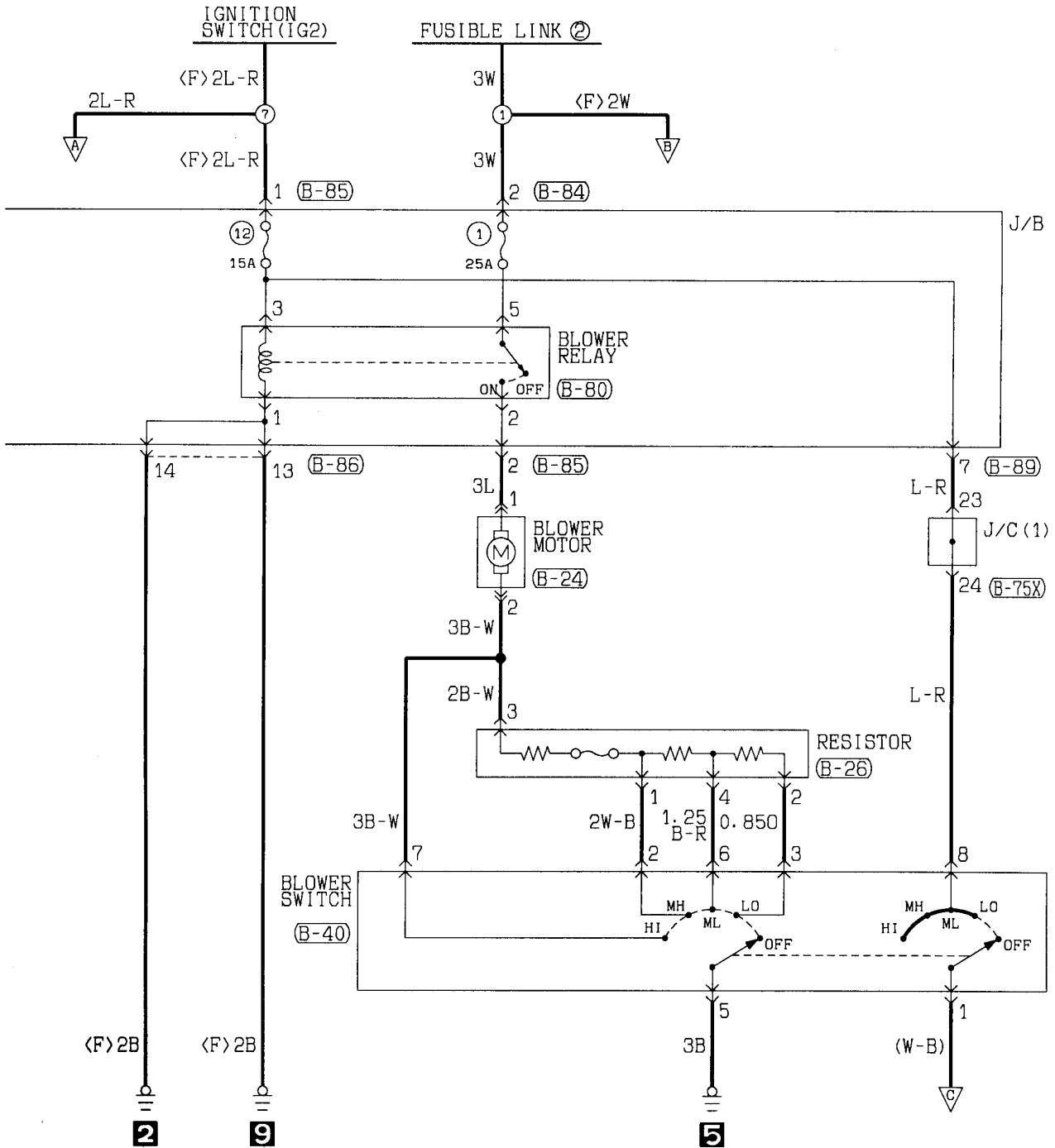


MANUAL AIR CONDITIONER

90100550119

Diesel-powered vehicles





(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

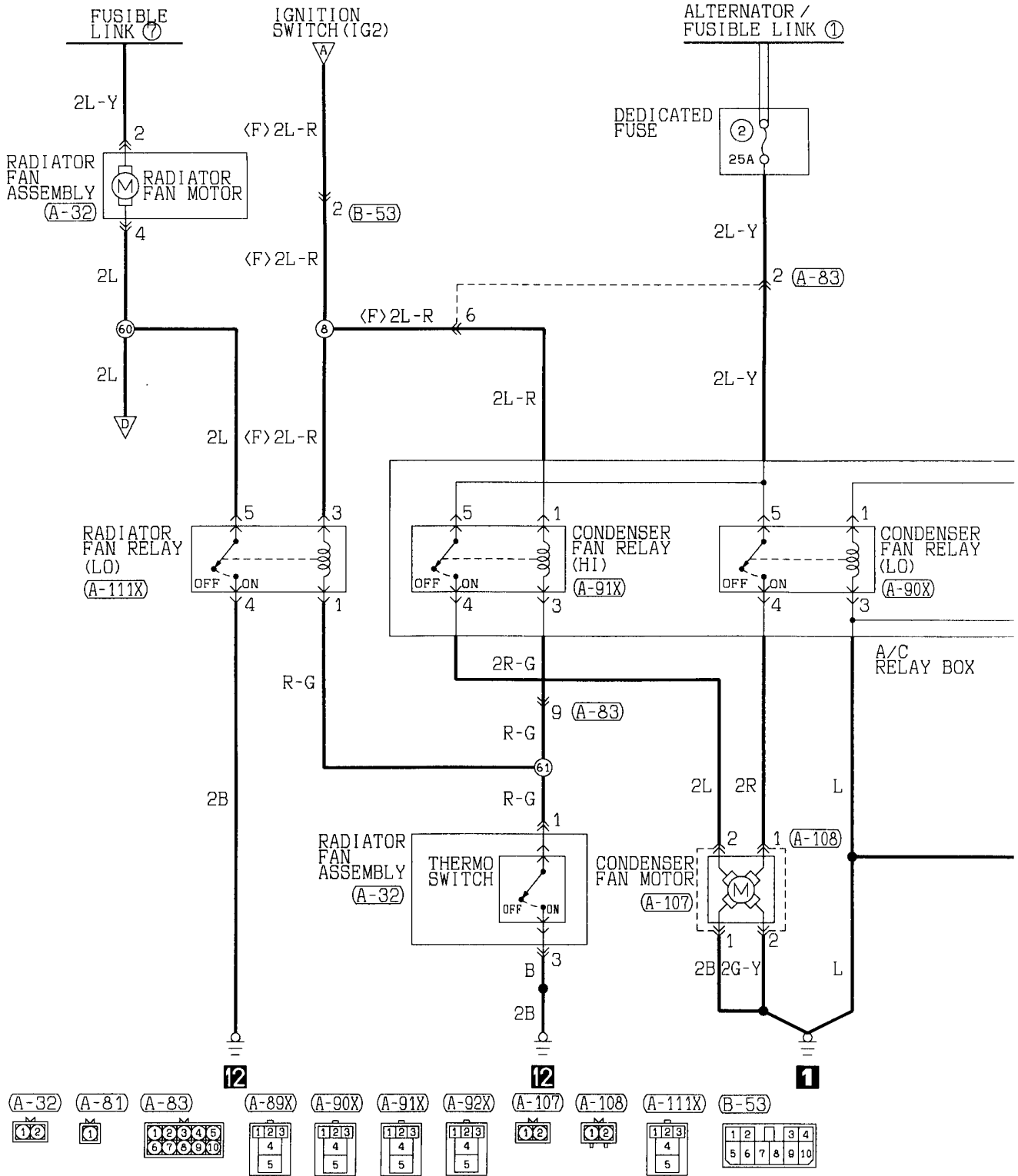
(B-88)

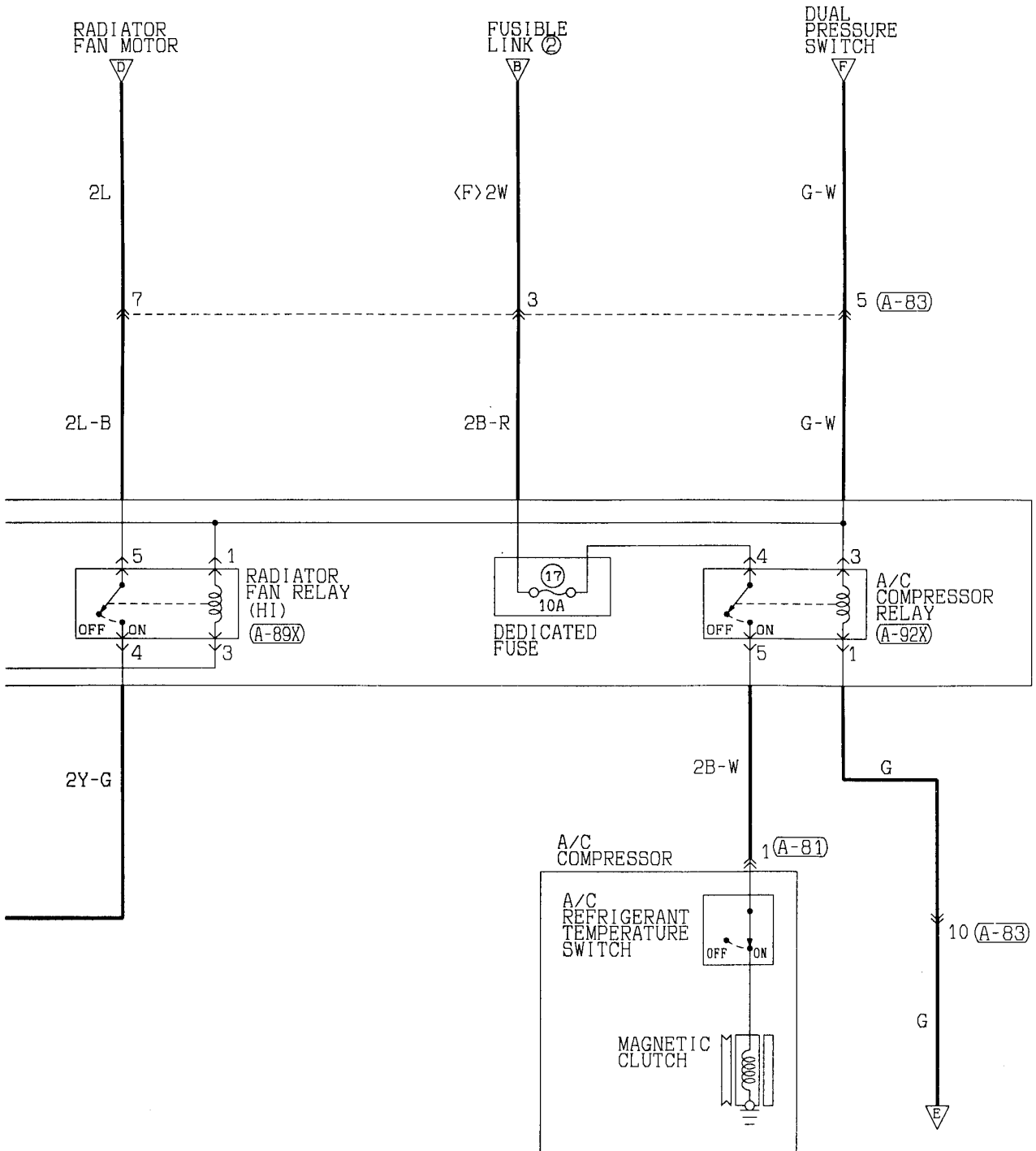
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

(B-89)

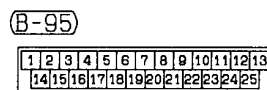
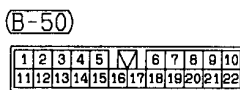
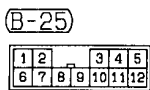
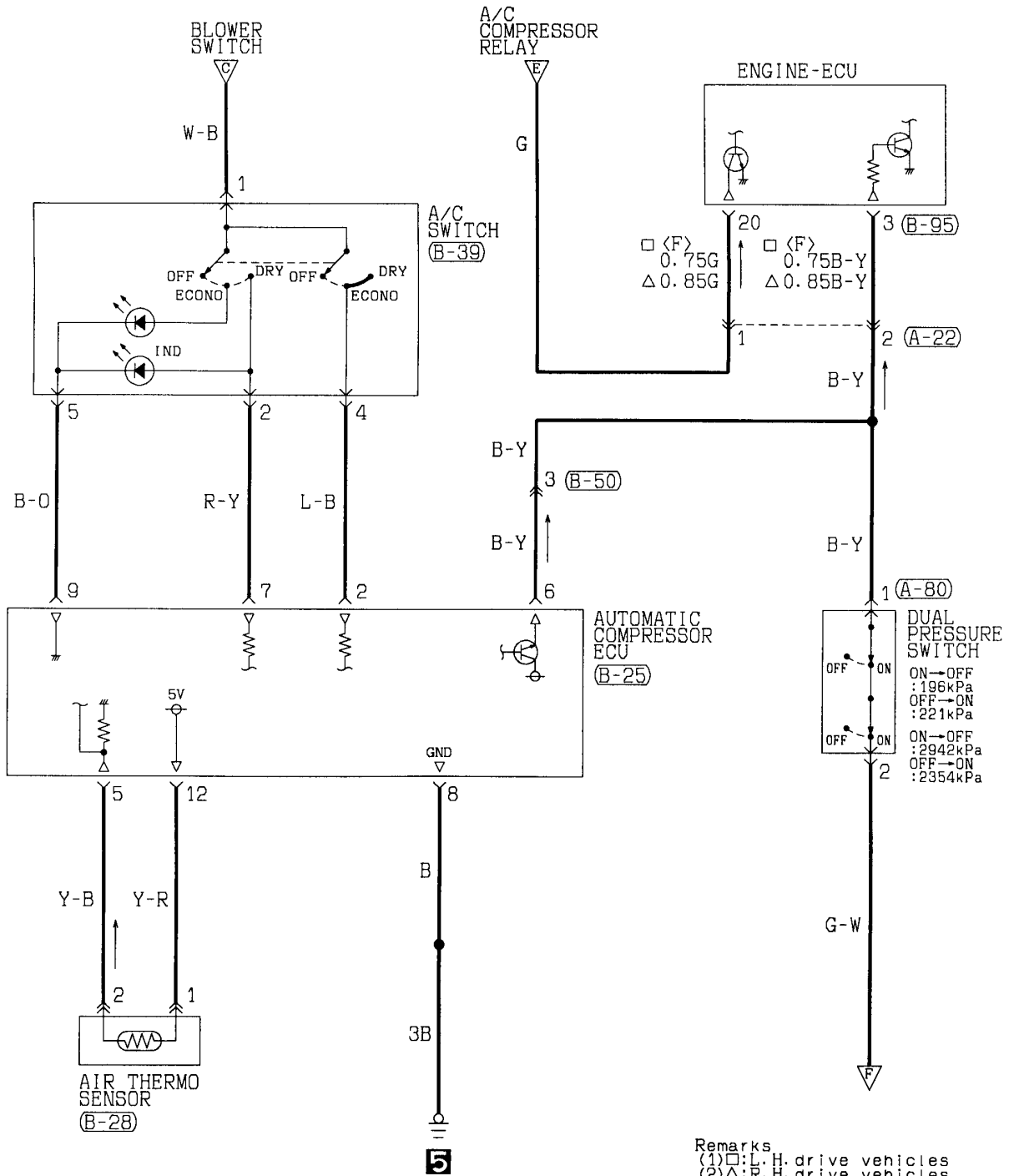
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

MANUAL AIR CONDITIONER <Diesel-powered vehicles> (CONTINUED)





MANUAL AIR CONDITIONER <Diesel-powered vehicles> (CONTINUED)

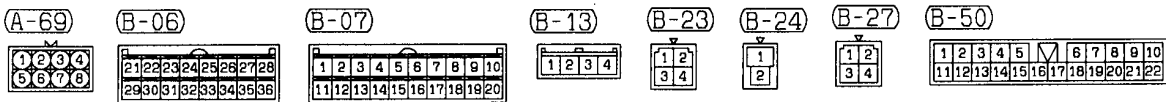
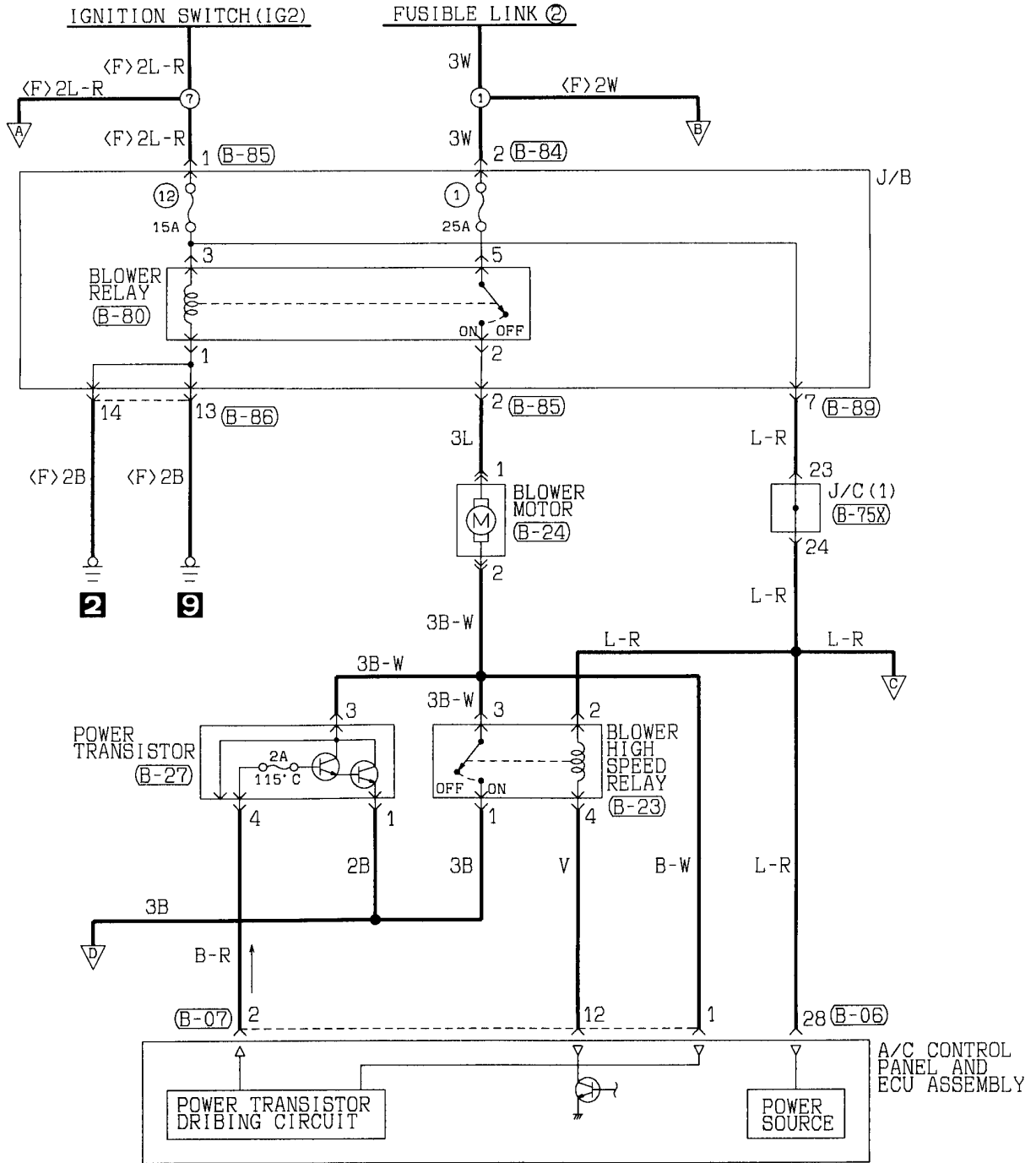


NOTES

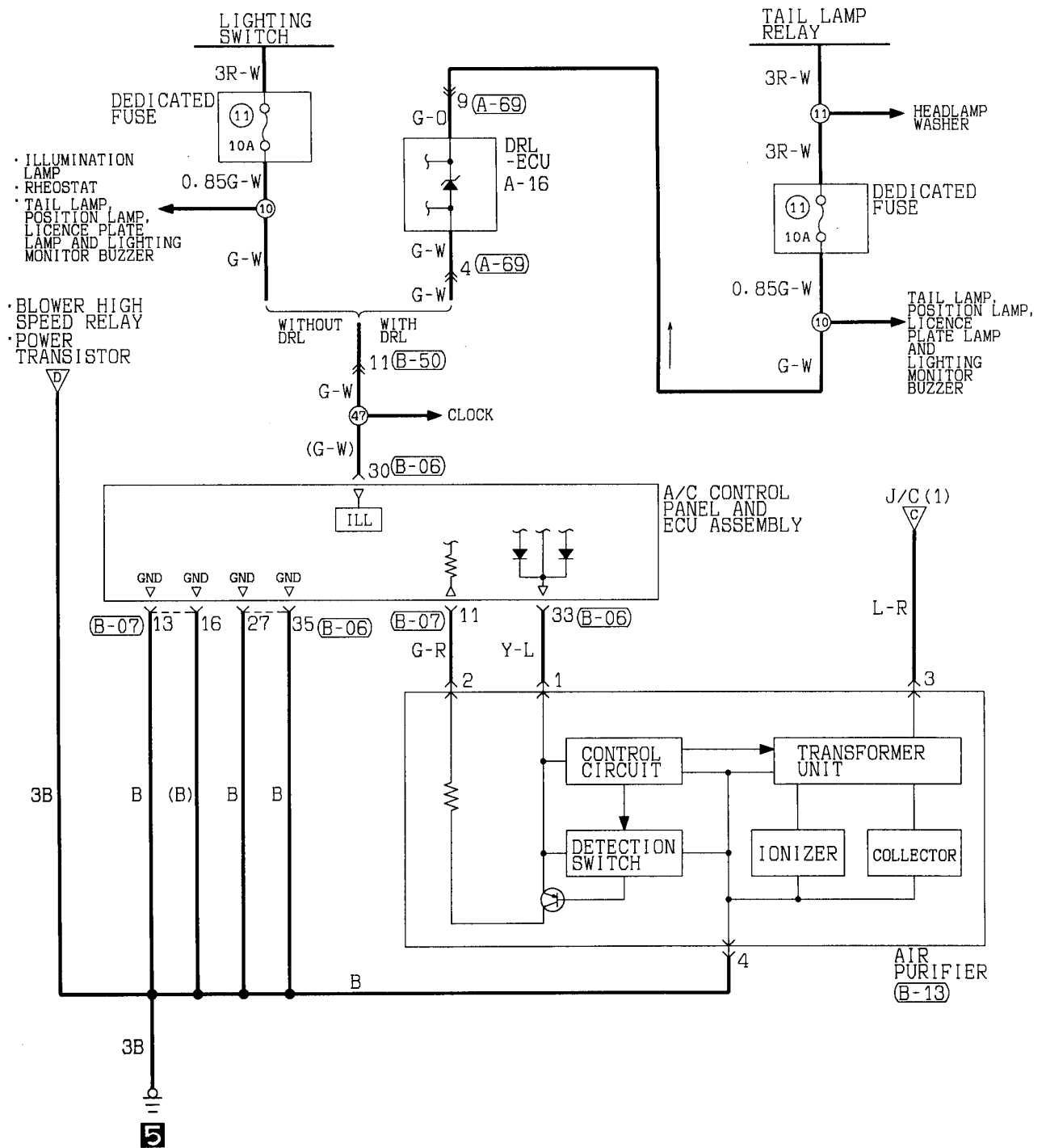
FULL-AUTO AIR CONDITIONER AND AIR PURIFIER

90101340029

Diesel-powered vehicles







(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-80)

1	2	3
4	5	

(B-84)

1	2
---	---

(B-85)

1	2	3
---	---	---

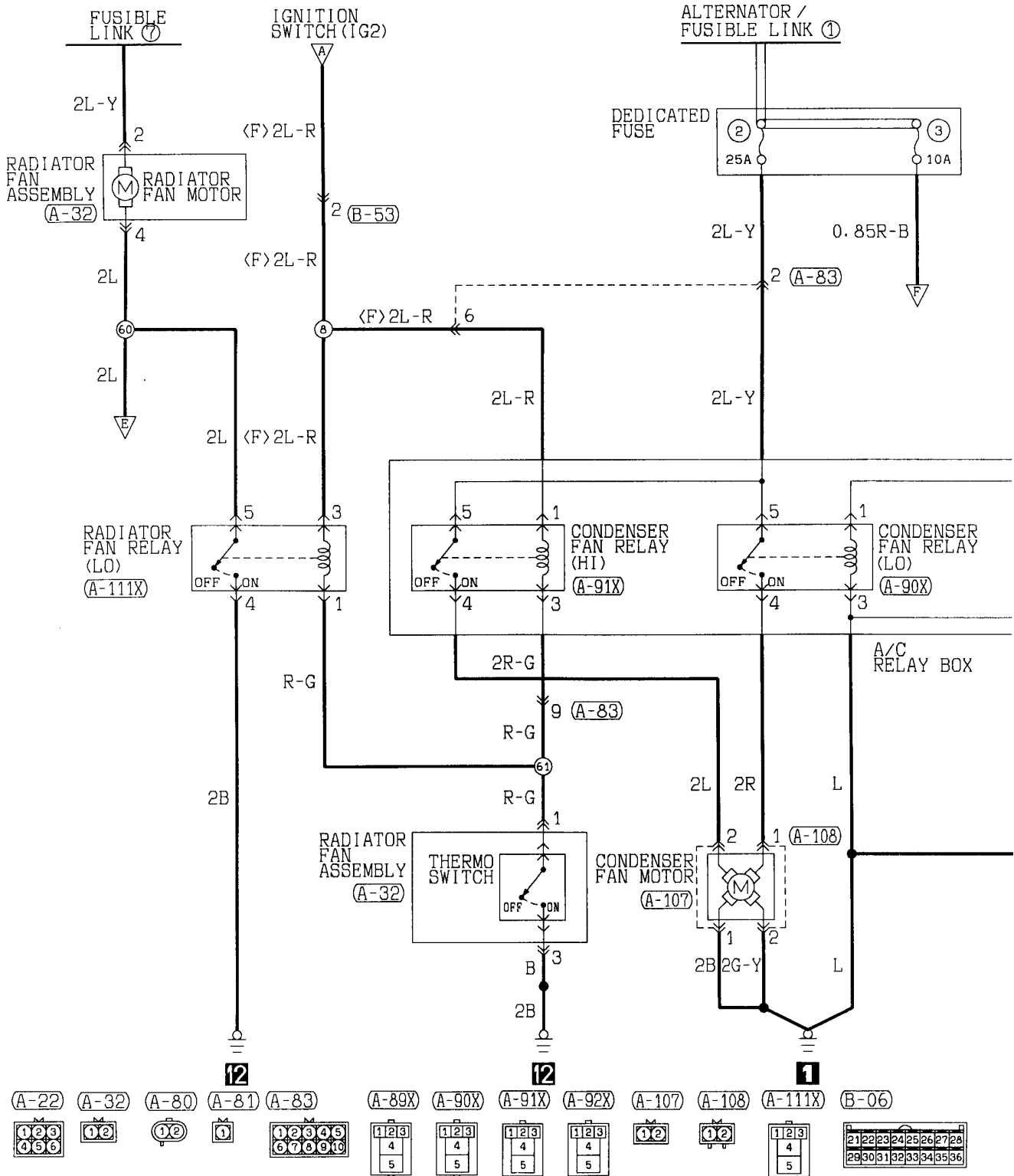
(B-86)

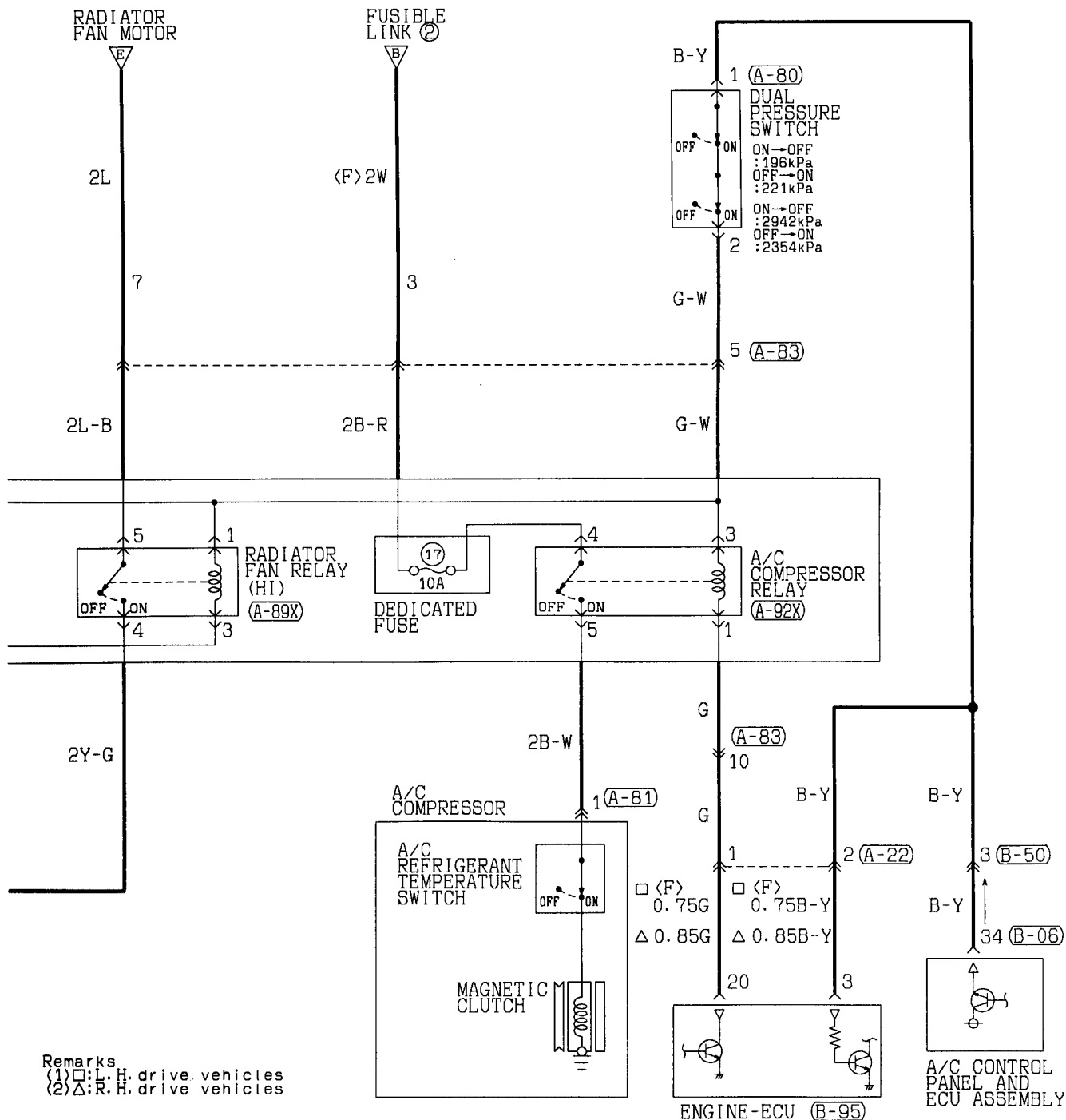
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-89)

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

FULL-AUTO AIR CONDITIONER AND AIR PURIFIER <Diesel-powered vehicles>  
(CONTINUED)





(B-50)

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

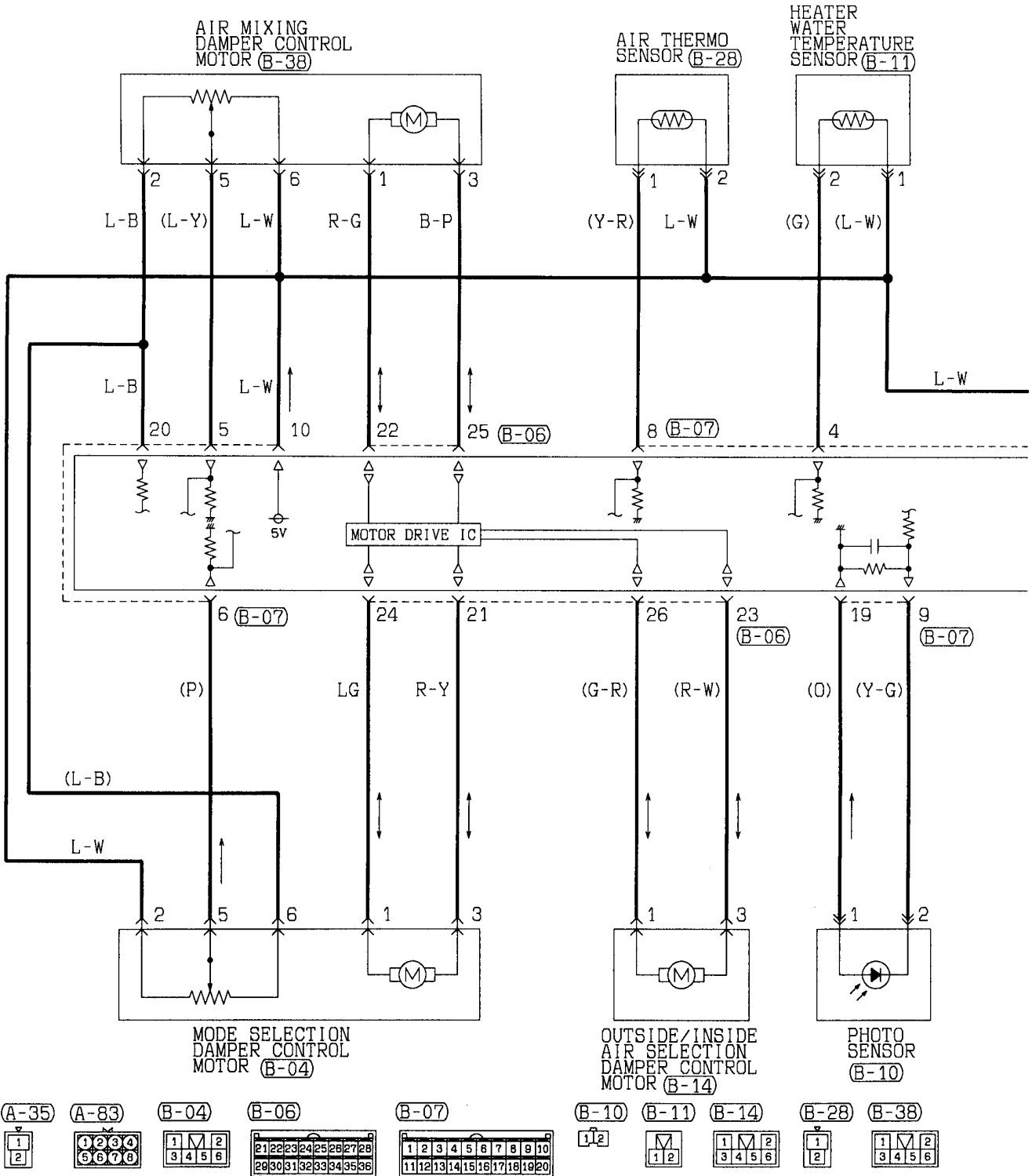
(B-53)

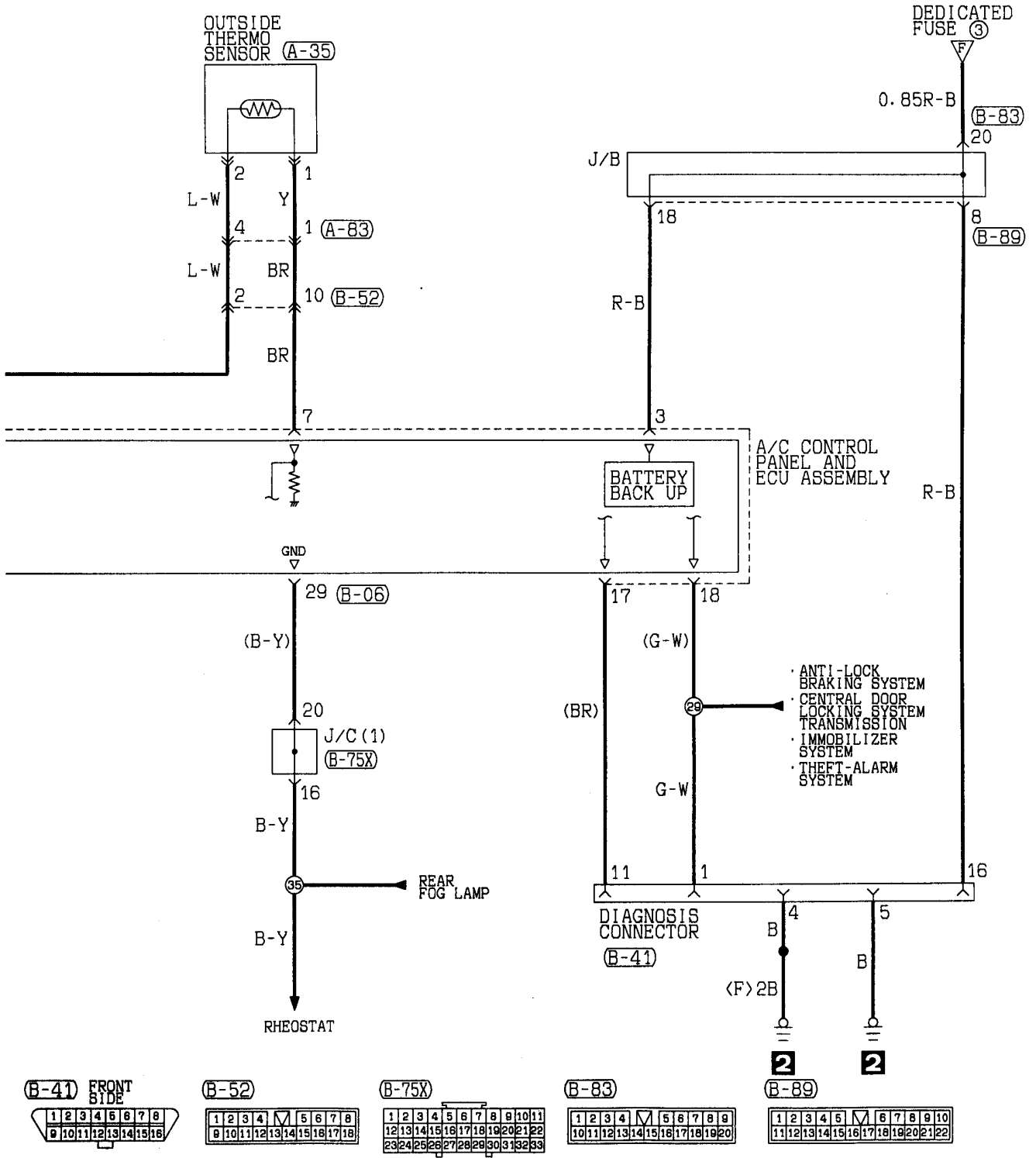
1	2	3	4		
5	6	7	8	9	10

(B-95)

1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	

FULL-AUTO AIR CONDITIONER AND AIR PURIFIER <Diesel-powered vehicles>  
(CONTINUED)

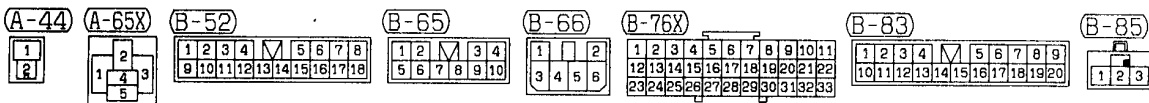
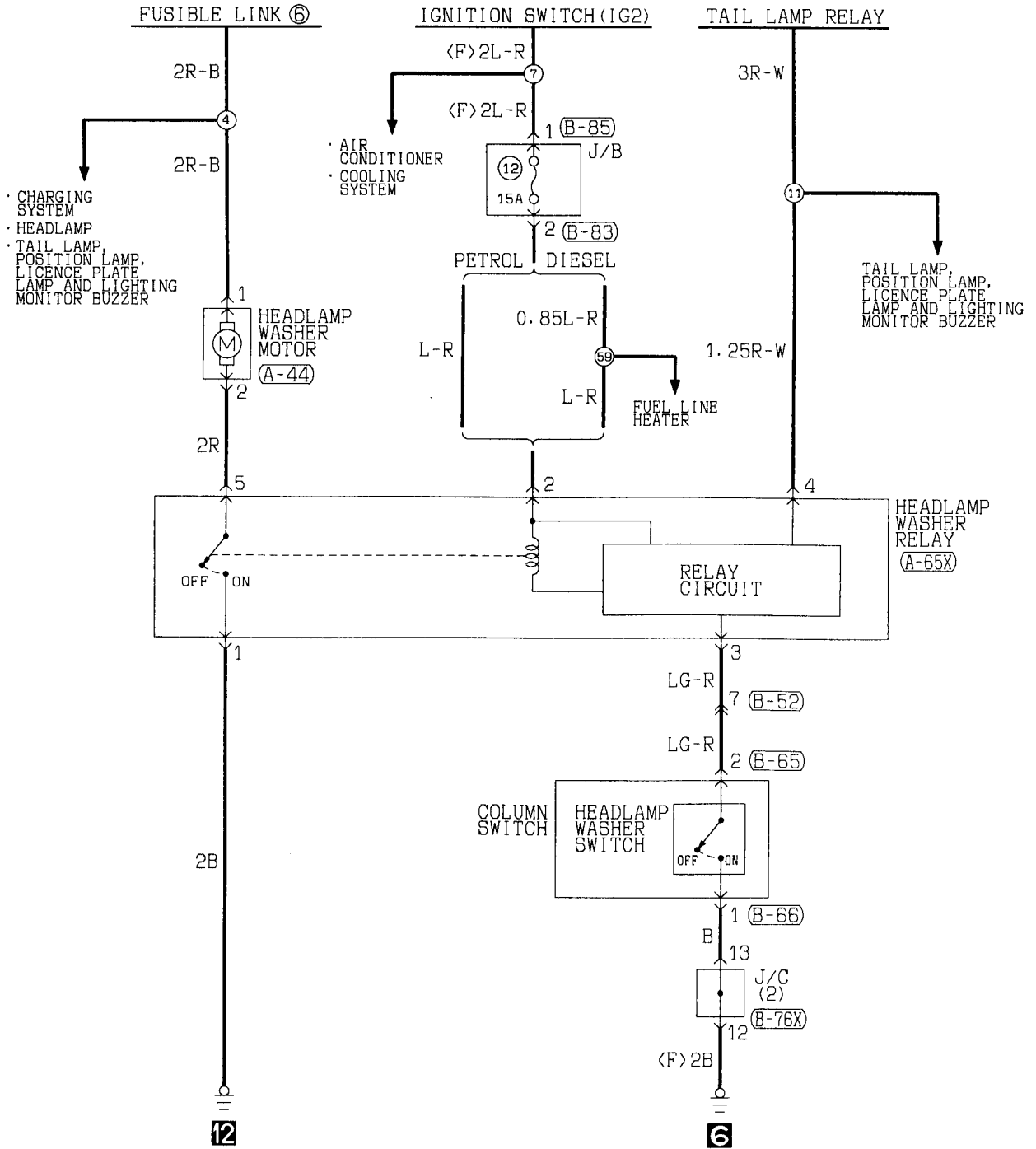




**NOTES**

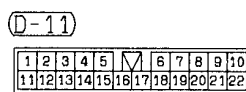
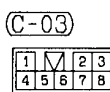
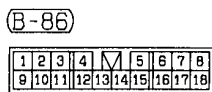
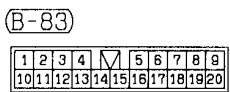
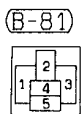
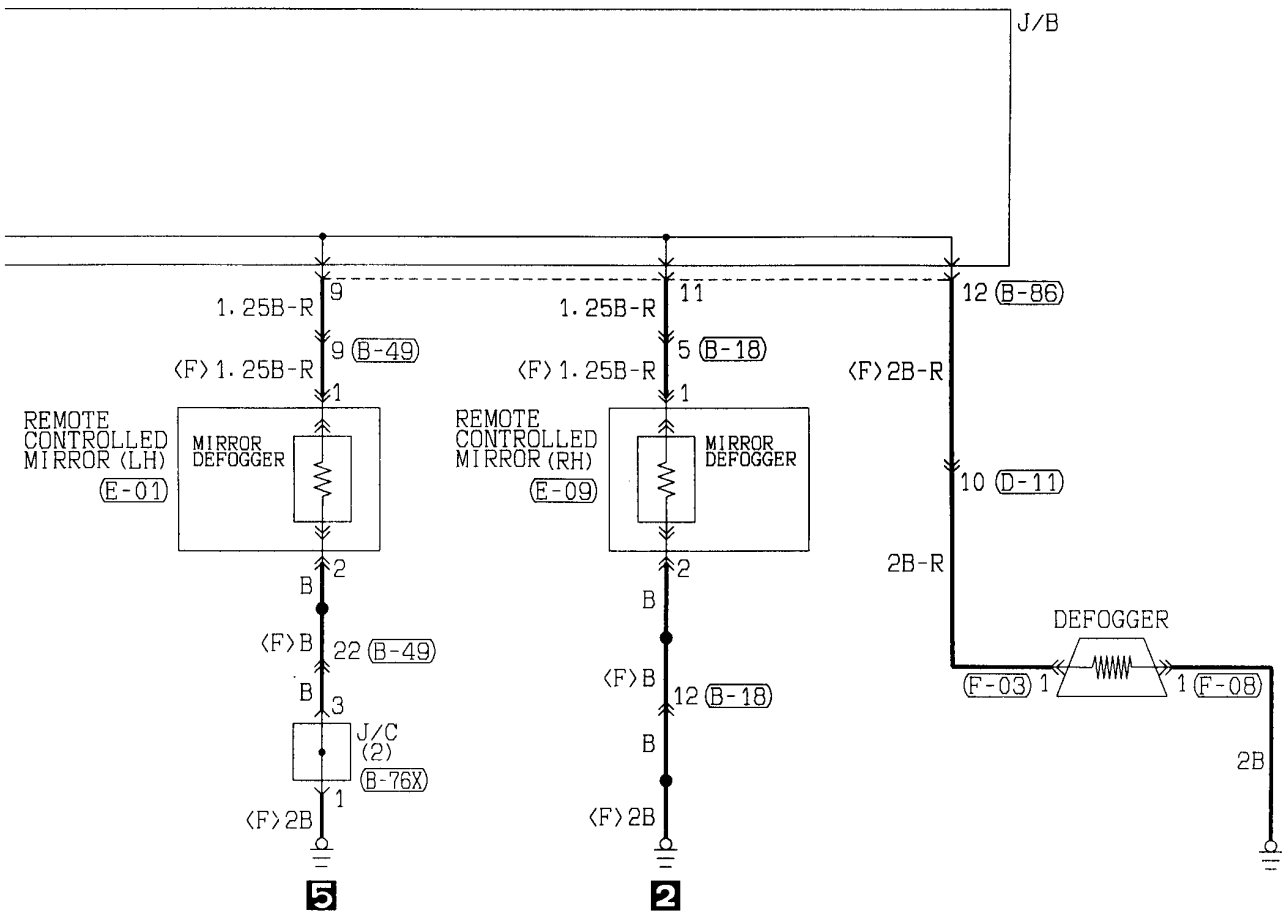
HEADLAMP WASHER

90100630103

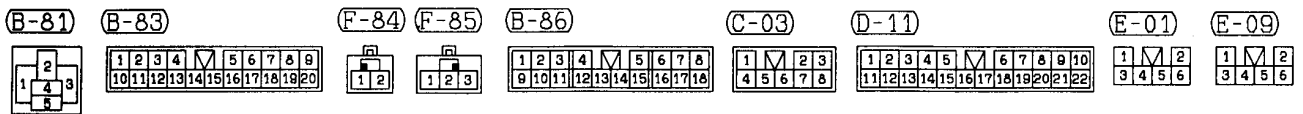
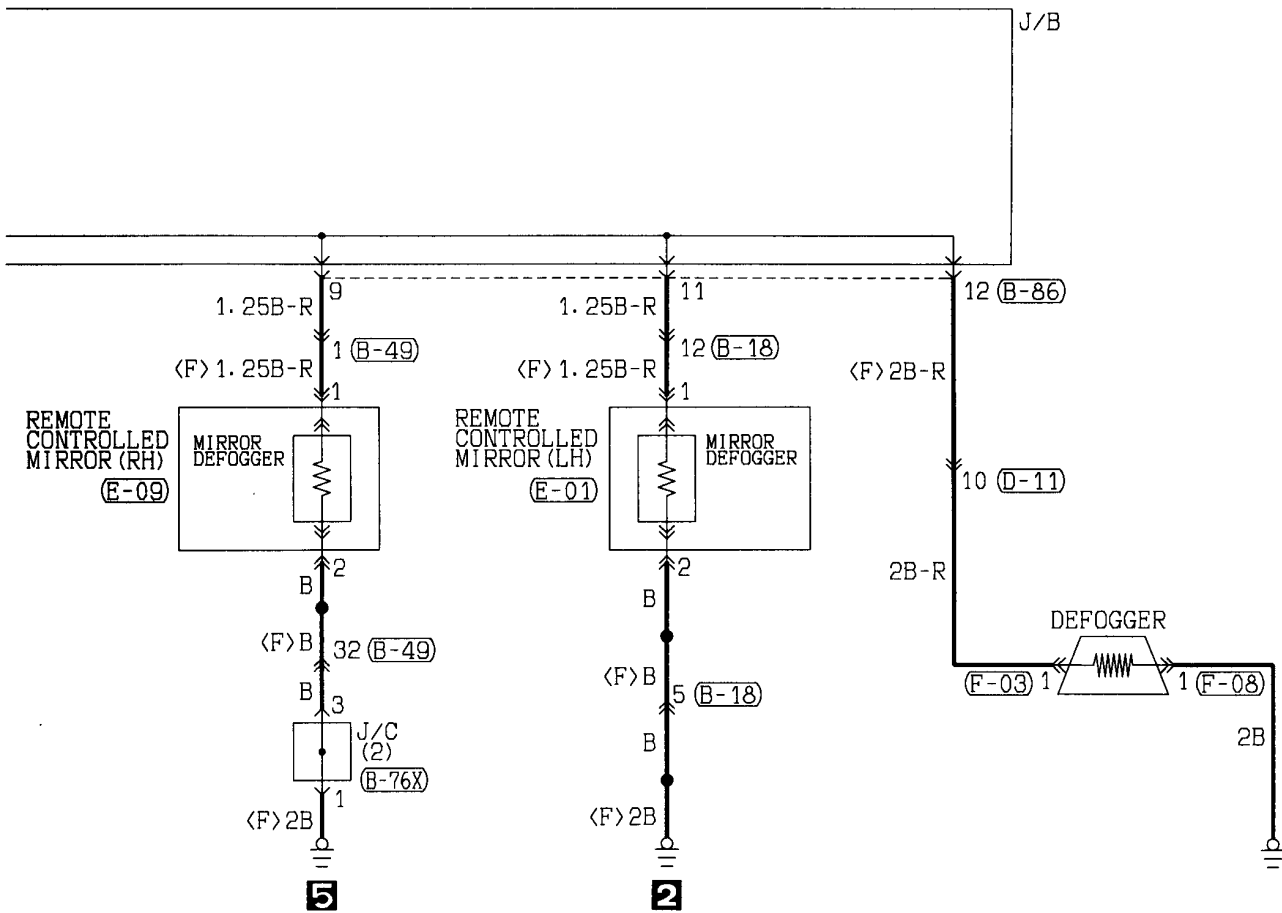






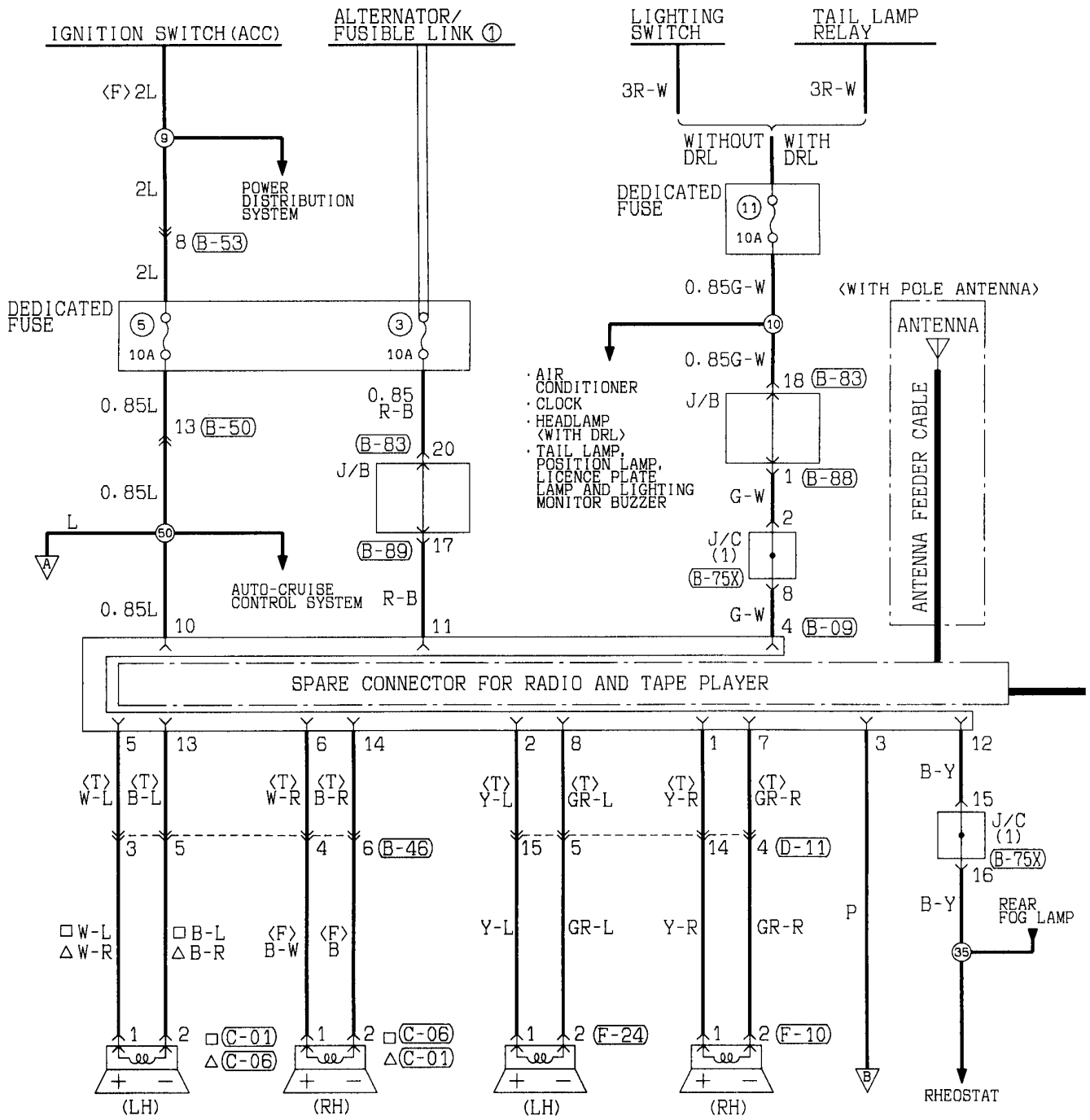




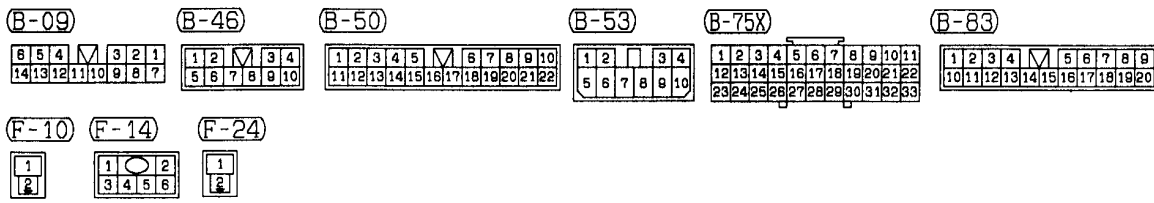


**RADIO AND TAPE PLAYER (VEHICLES HARNESS WITHOUT RADIO AND TAPE PLAYER)**

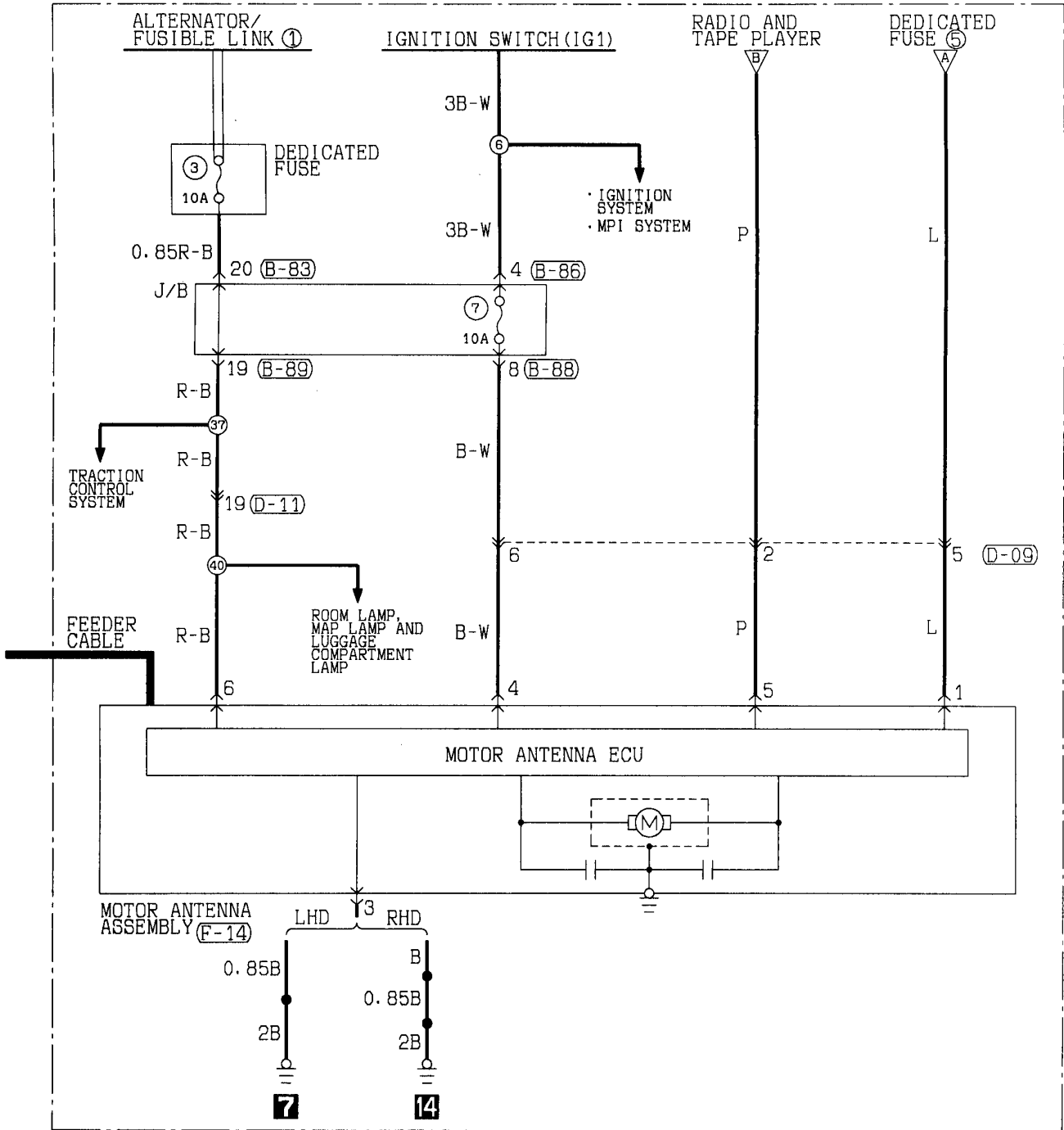
90100720367



Remarks  
 □: L.H. drive vehicles.  
 △: R.H. drive vehicles.



<WITH MOTOR ANTENNA>



(B-86)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-88)

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

(B-89)

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

(C-01)

1
2

(C-06)

1
2

(D-09)

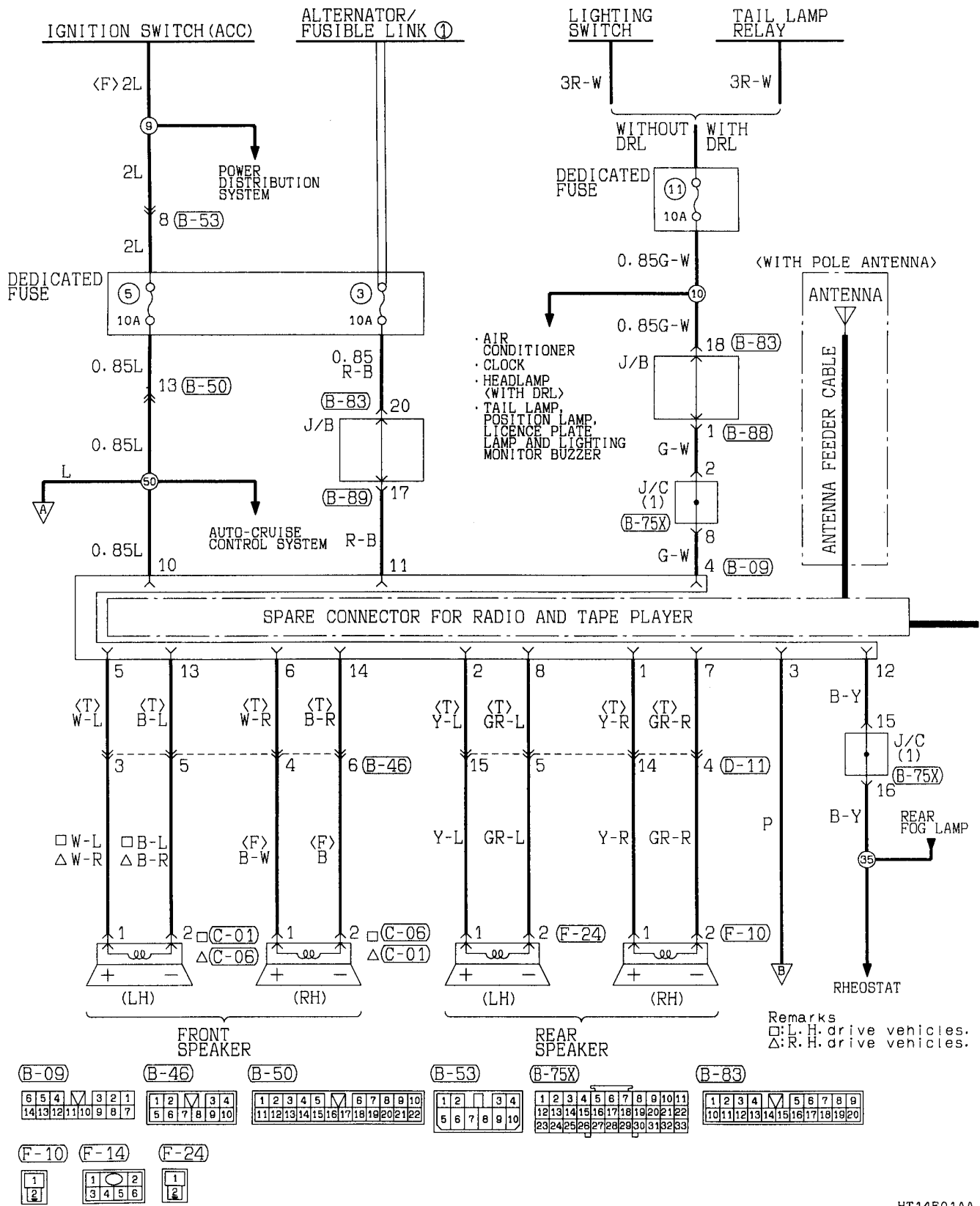
1	2		
3	4	5	6

(D-11)

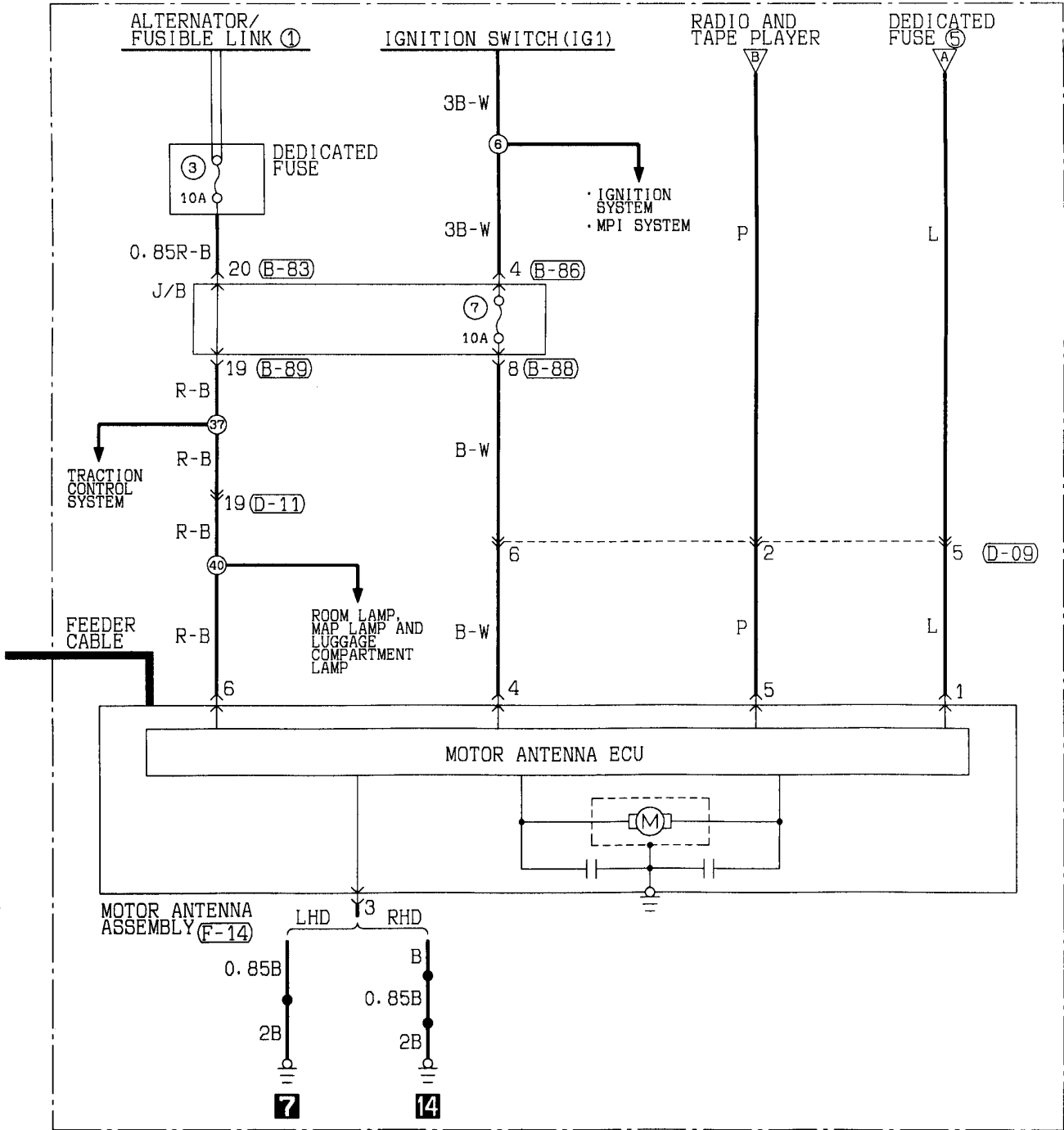
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

RADIO AND TAPE PLAYER

90100720374



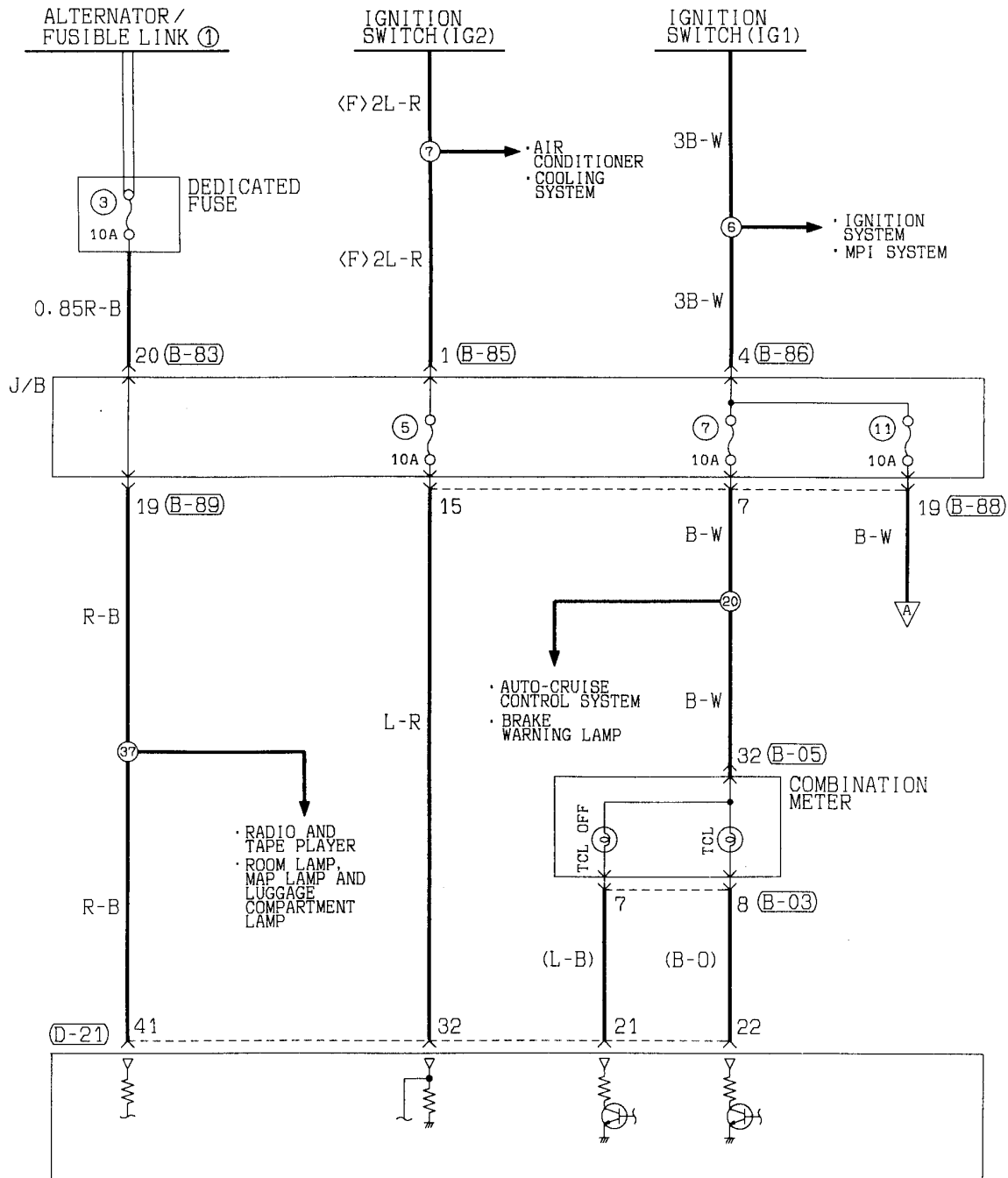
<WITH MOTOR ANTENNA>



(B-86)	(B-88)	(B-89)	(C-01)	(C-06)	(D-09)	(D-11)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1 2	1 2	1 2 3 4 5 6	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

TRACTION CONTROL SYSTEM (TCL)

90100880027



TCL-ECU

(A-48)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40											

(B-03)

1	2	3	4	5	6	7	8	9	10	11	12
					13						
14	15	16	17	18	19	20	21	22	23	24	25

(B-05)

31	32	33	34	35	36	37	38	39	40	41	42
					43						
44	45	46	47	48	49	50	51	52	53	54	55

(B-52)

1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

(B-61)

1	2	3	4	5
6	7	8	9	10

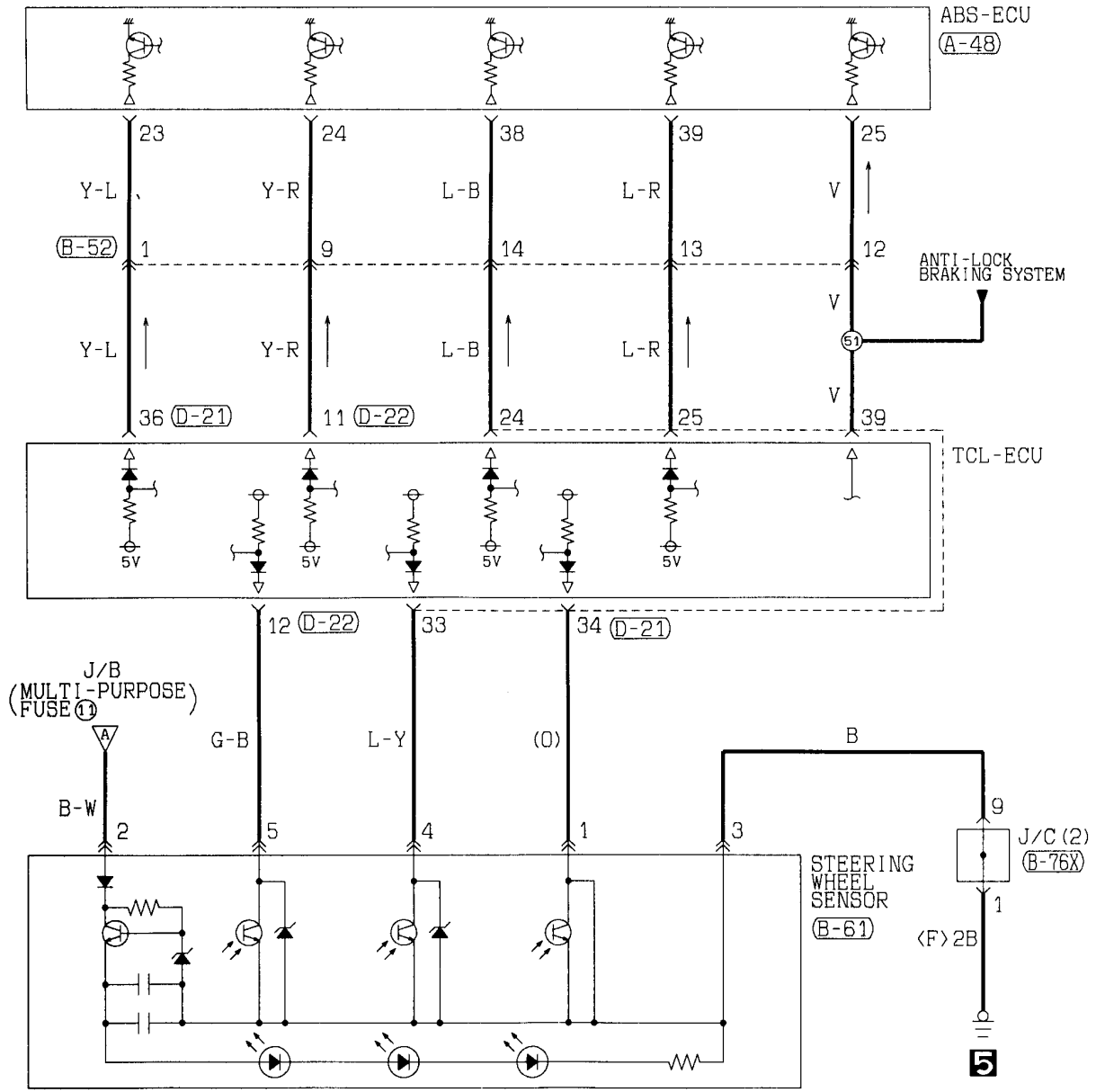
(D-21)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

(D-22)

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





(B-76X)

(B-83)

(B-85)

(B-86)

(D-88)

(B-89)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

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

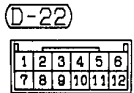
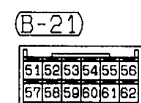
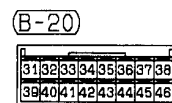
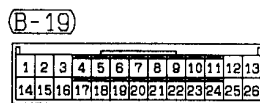
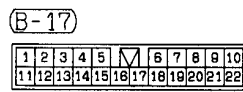
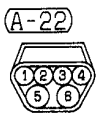
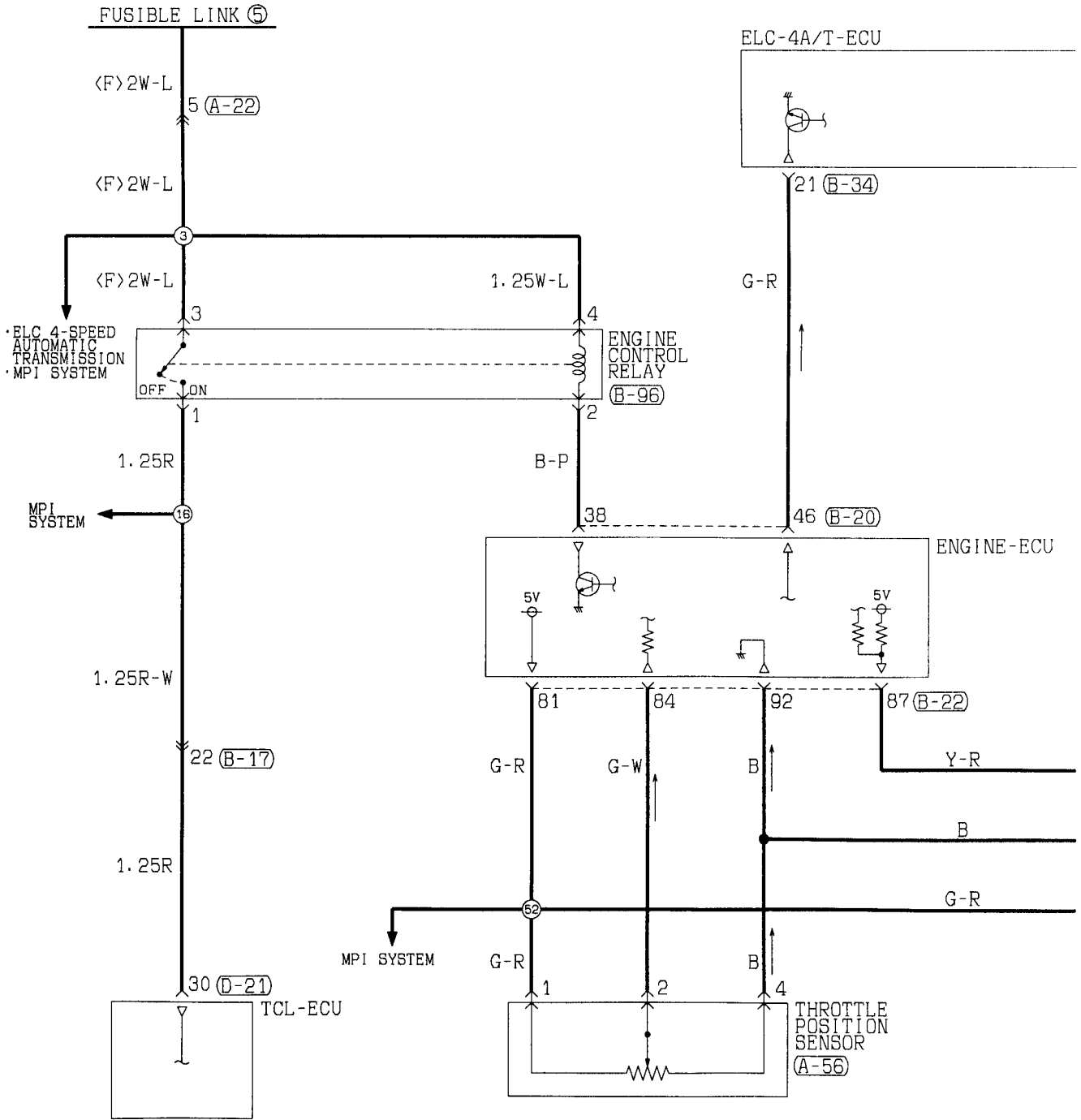
1	2	3
---	---	---

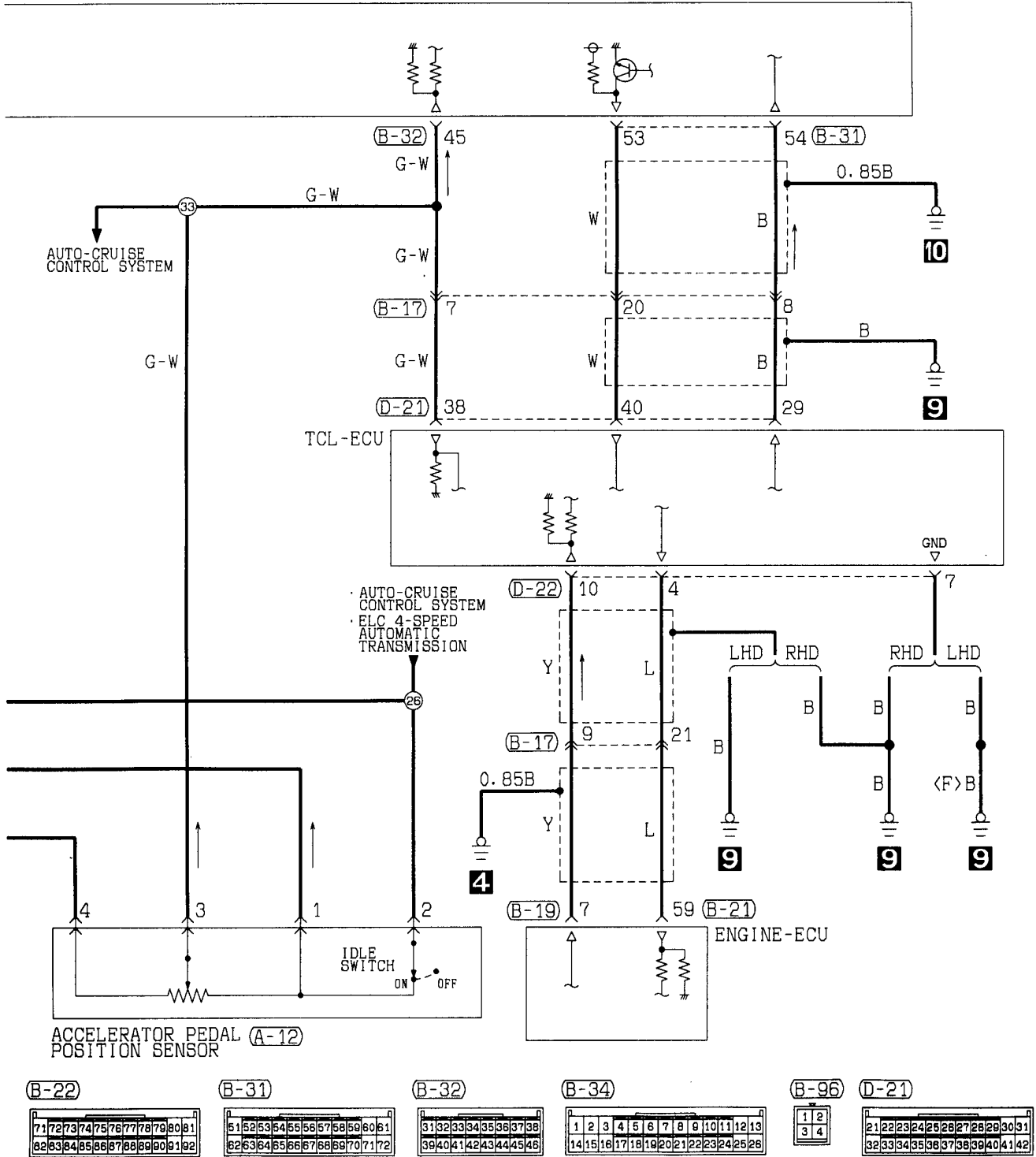
1	2	3	4	5	6	7	8		
9	10	11	12	13	14	15	16	17	18

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

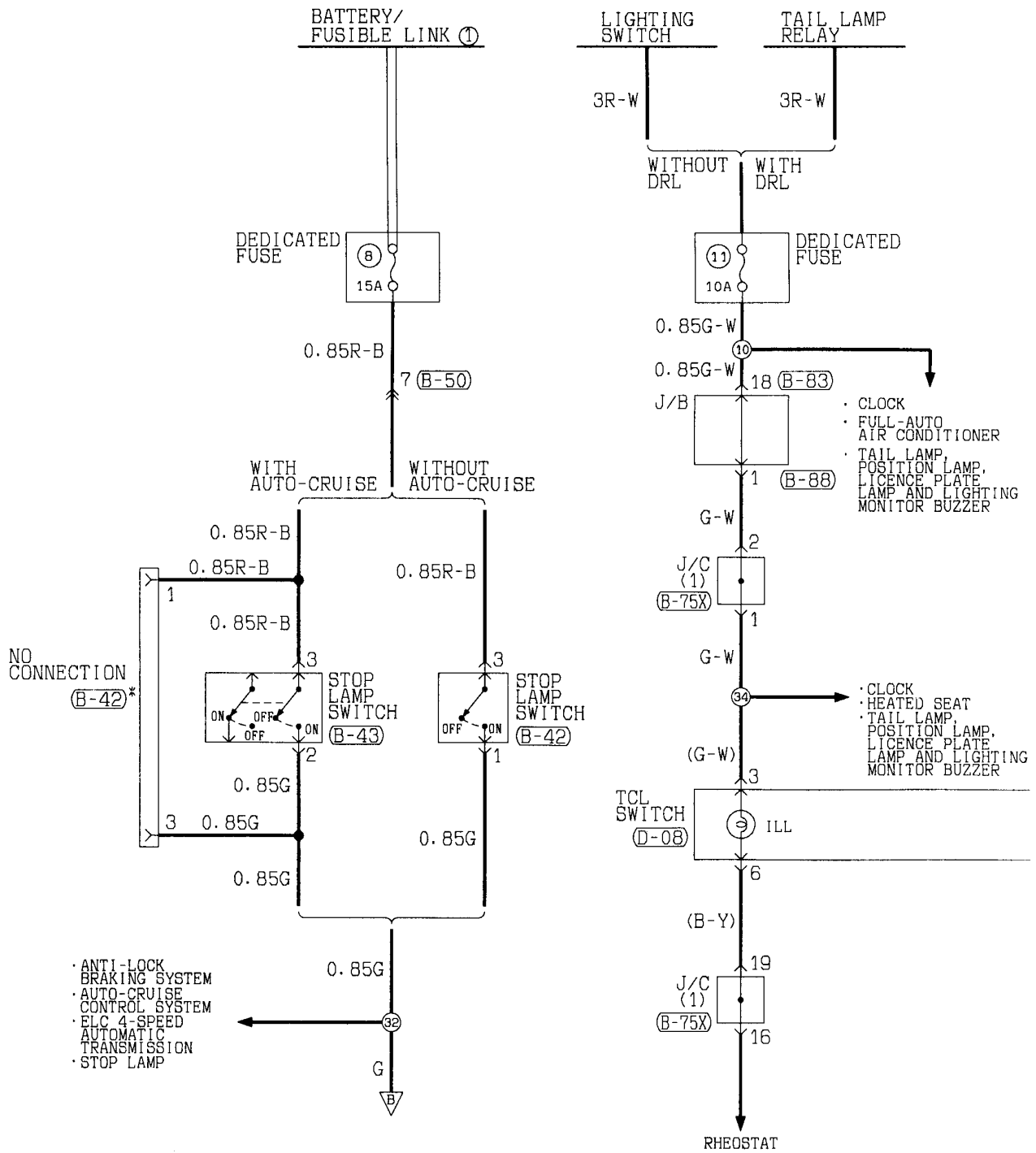
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

TRACTION CONTROL SYSTEM (TCL) (CONTINUED)





TRACTION CONTROL SYSTEM (TCL) (CONTINUED)



(B-41) FRONT SIDE

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

(B-42) \*

1	2	3
---	---	---

(B-43)

1	2	3	4
---	---	---	---

(B-50)

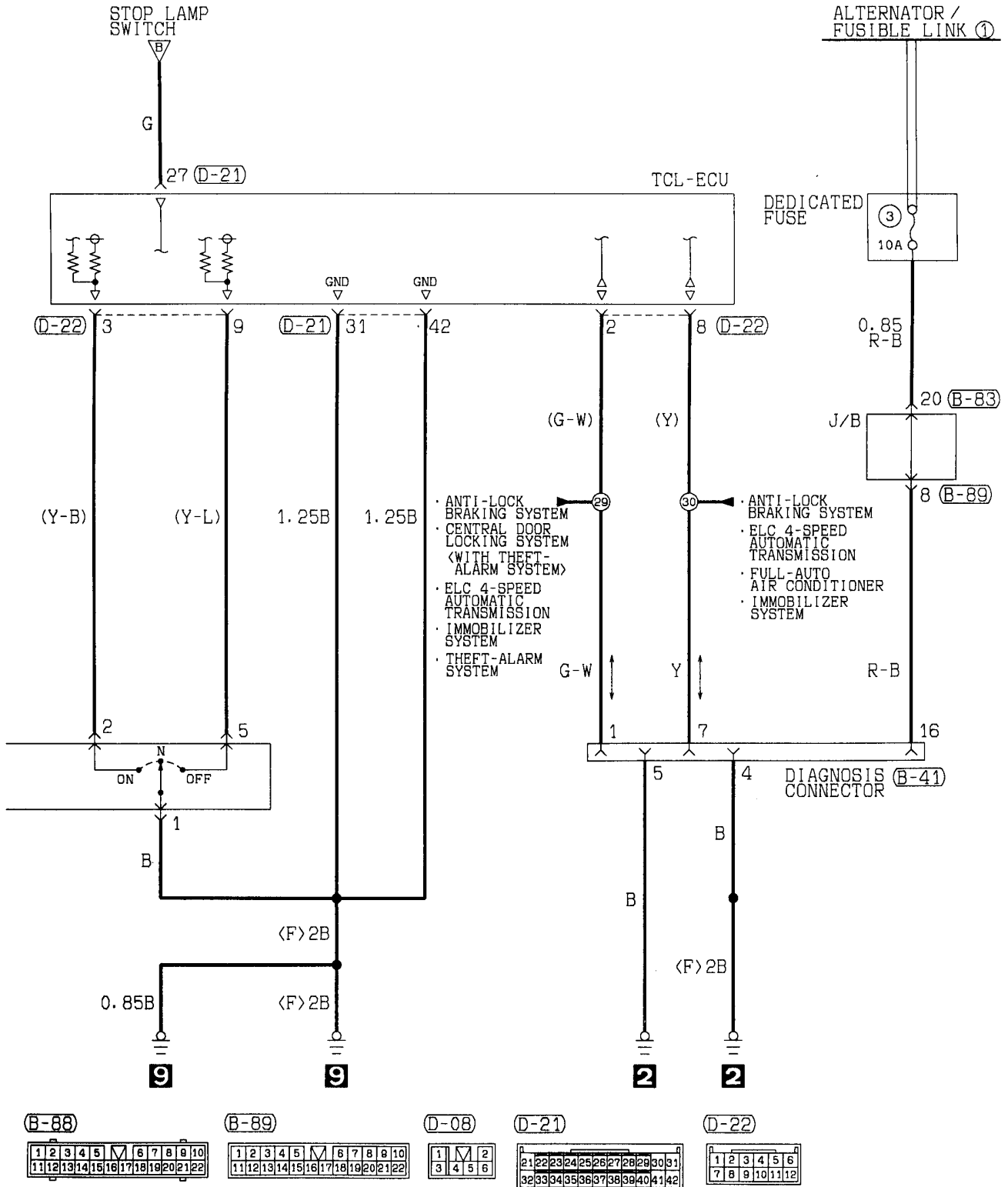
1	2	3	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	18	19	20	21	22

(B-75X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

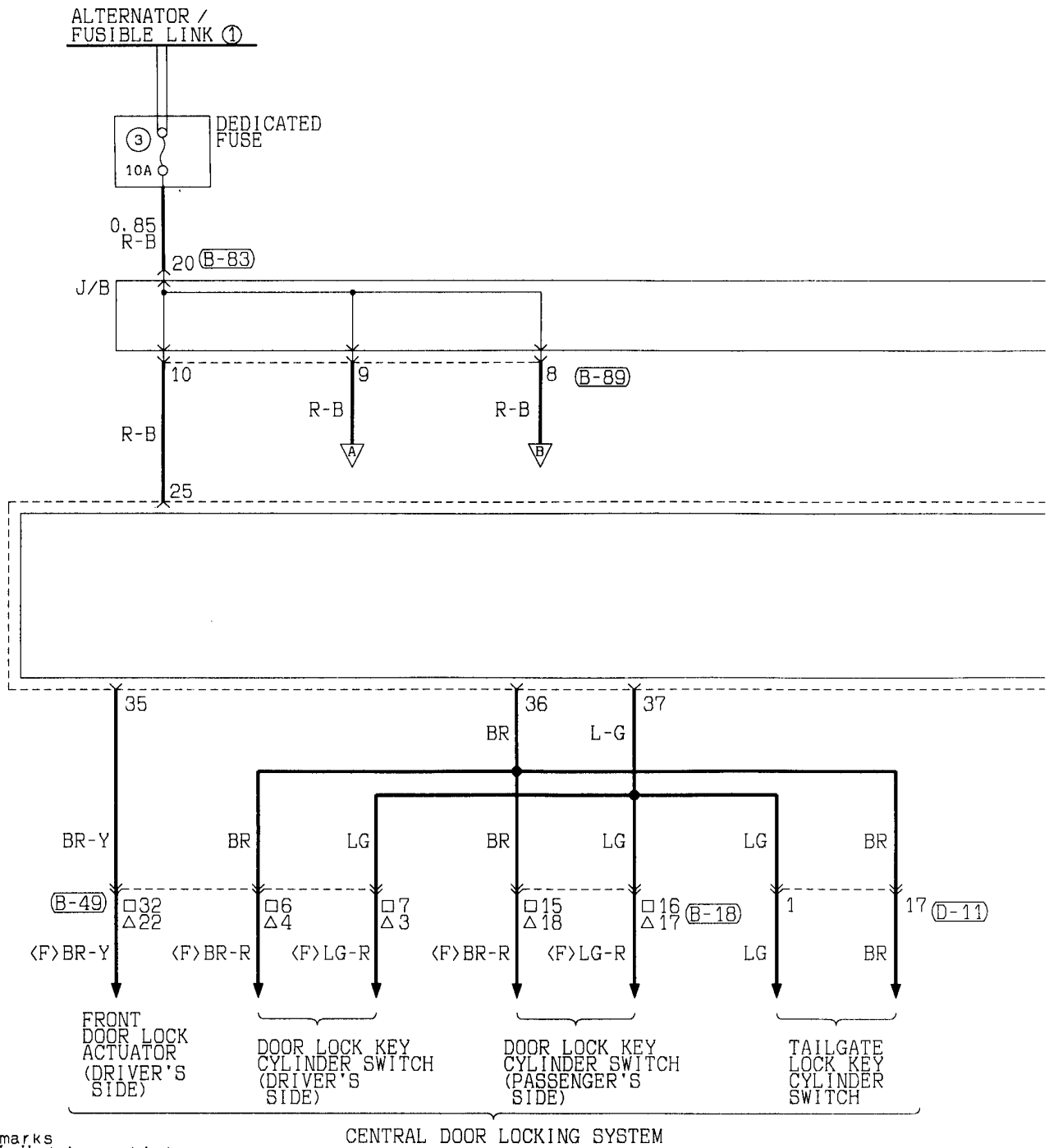
1	2	3	4	5	6	7	8	9		
10	11	12	13	14	15	16	17	18	19	20



THEFT-ALARM SYSTEM

90101240084

Hatchback



(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33			

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

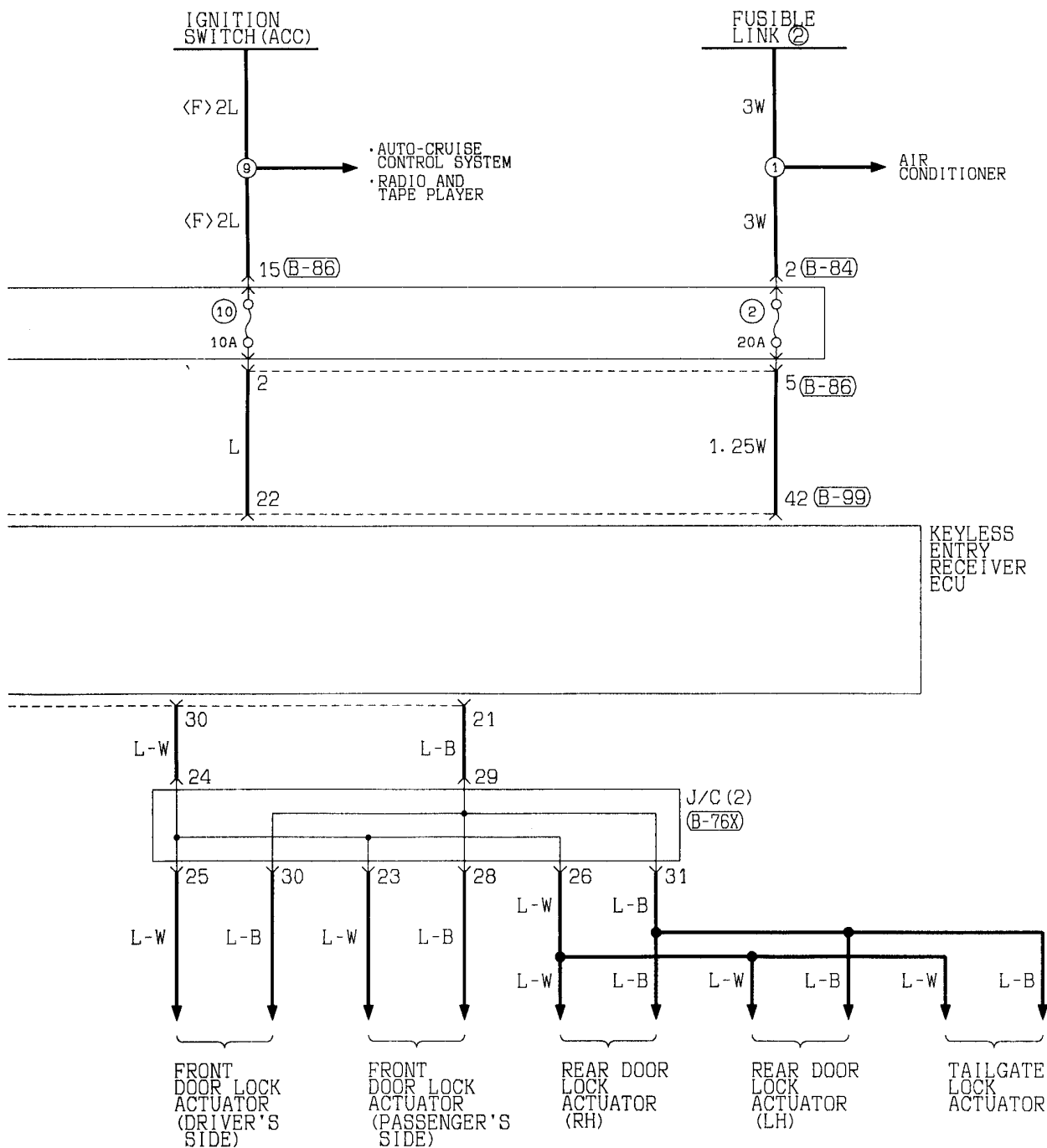
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20							

(B-84)

1	2
---	---

(B-86)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						



(B-89)

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

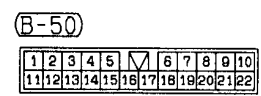
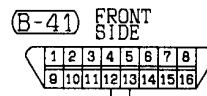
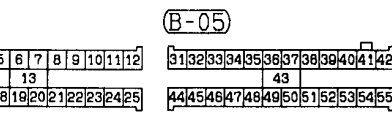
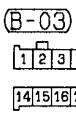
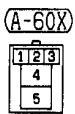
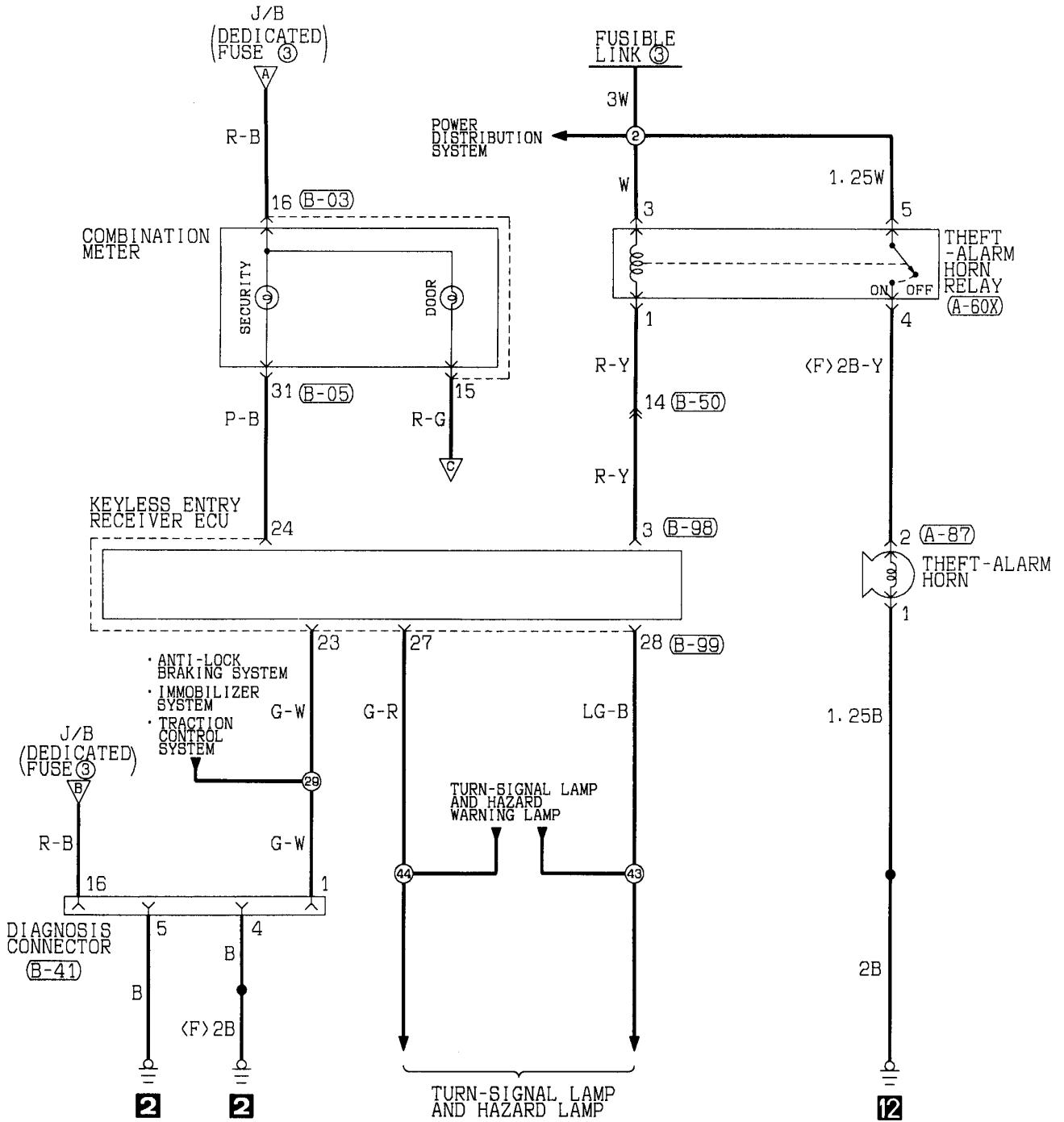
(B-99)

21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

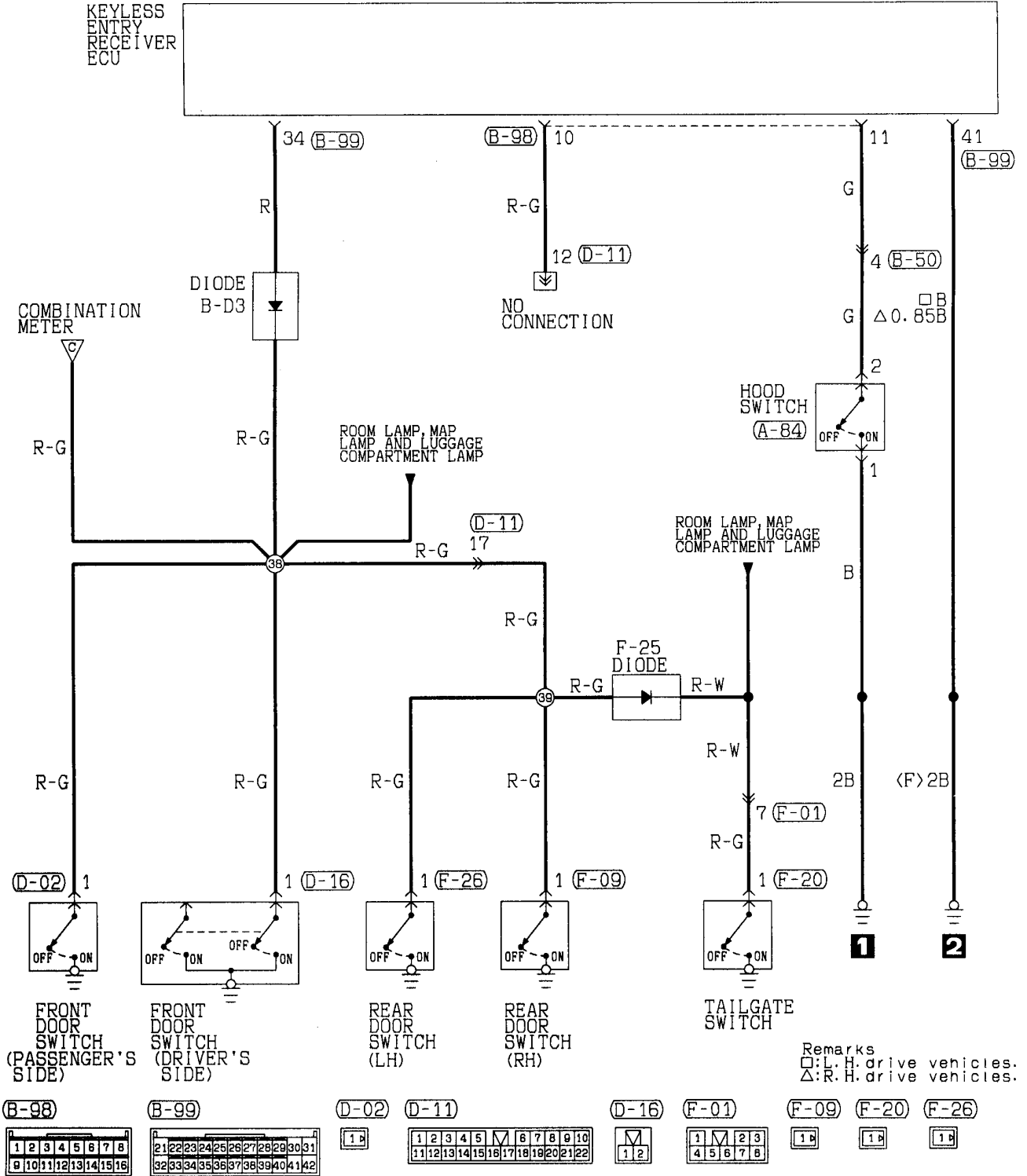
(D-11)

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

THEFT-ALARM SYSTEM <Hatchback> (CONTINUED)



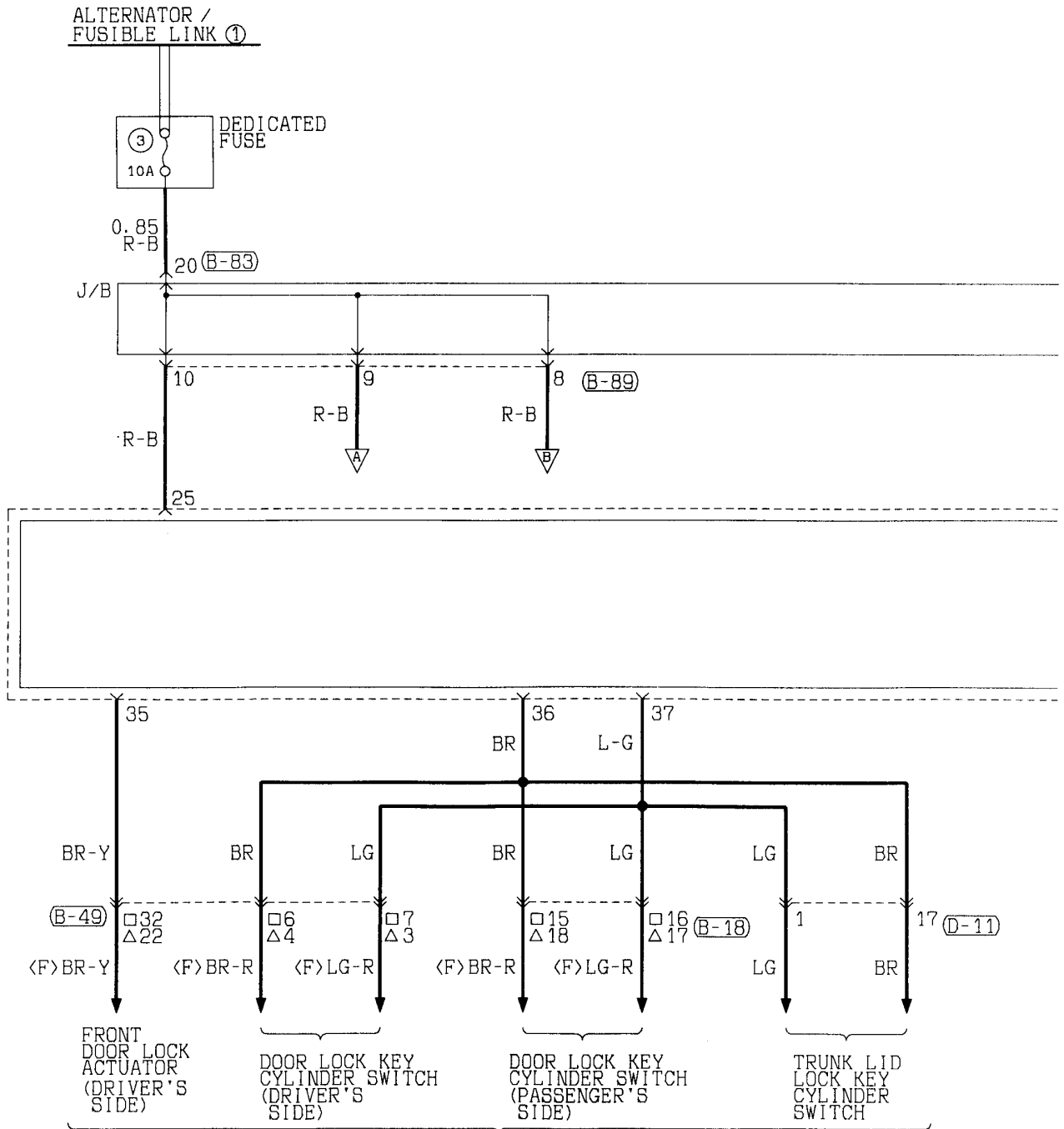




**THEFT-ALARM SYSTEM**

90101240091

Sedan



Remarks  
 □: L. H. drive vehicles.  
 Δ: R. H. drive vehicles.

(B-18)

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

(B-49)

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32				

(B-76X)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-83)

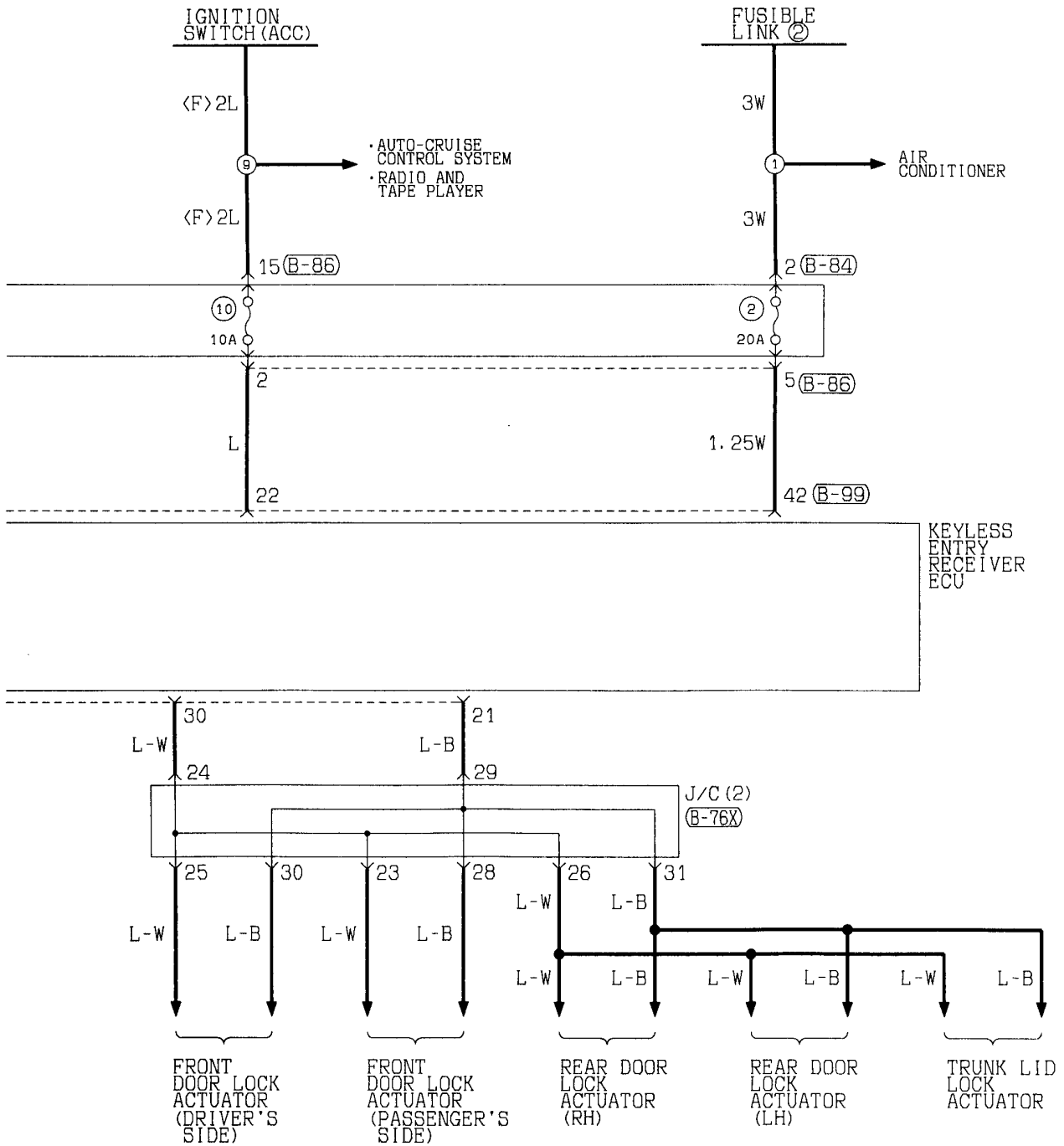
1	2	3	4	M	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20									

(B-84)

1	2
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(B-86)

1	2	3	4	M	5	6	7	8
9	10	11	12	13	14	15	16	17
18								



(B-89)

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

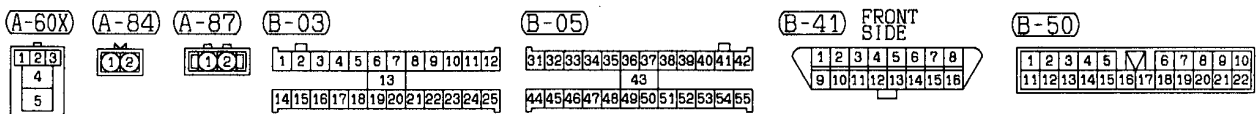
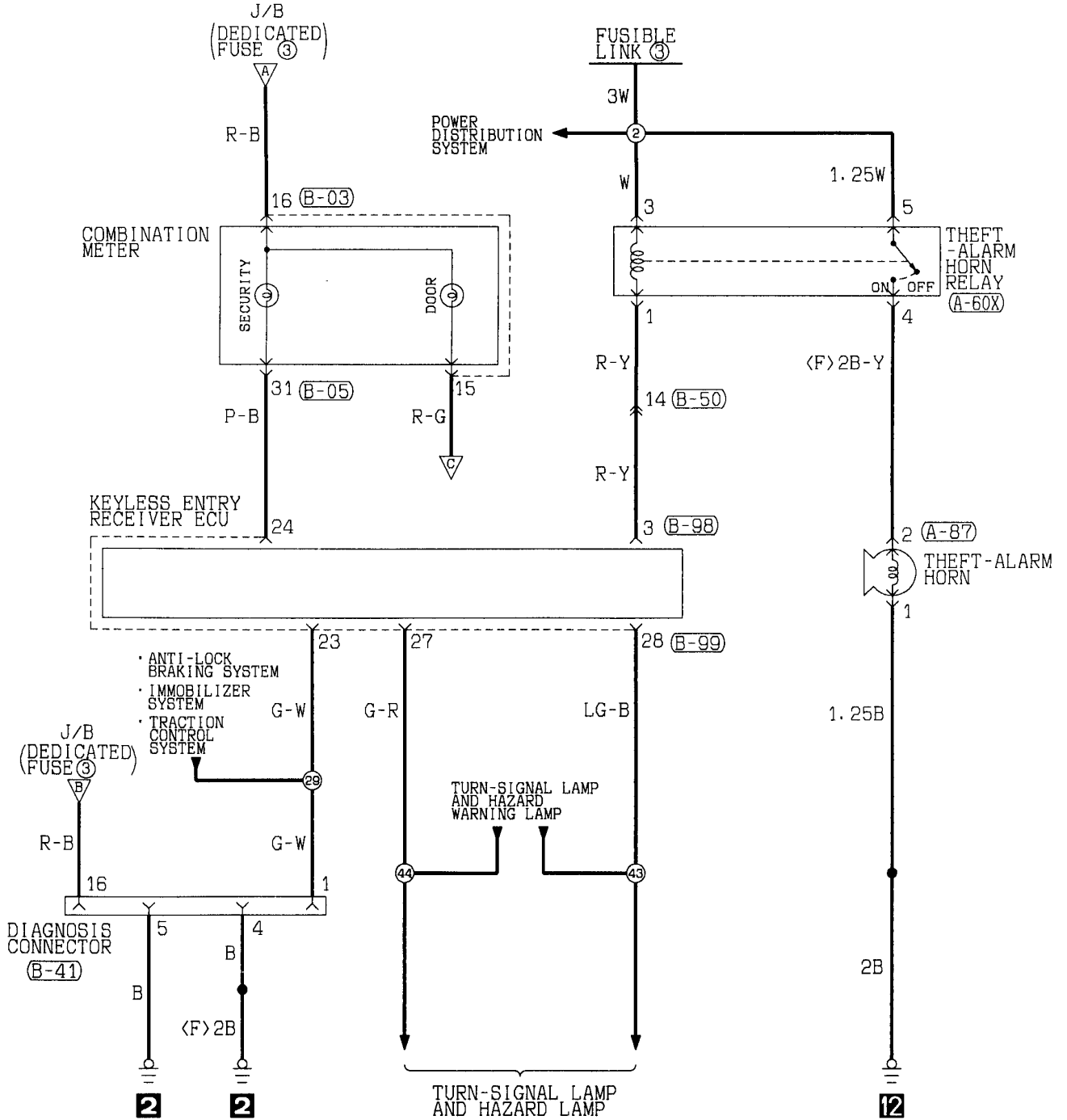
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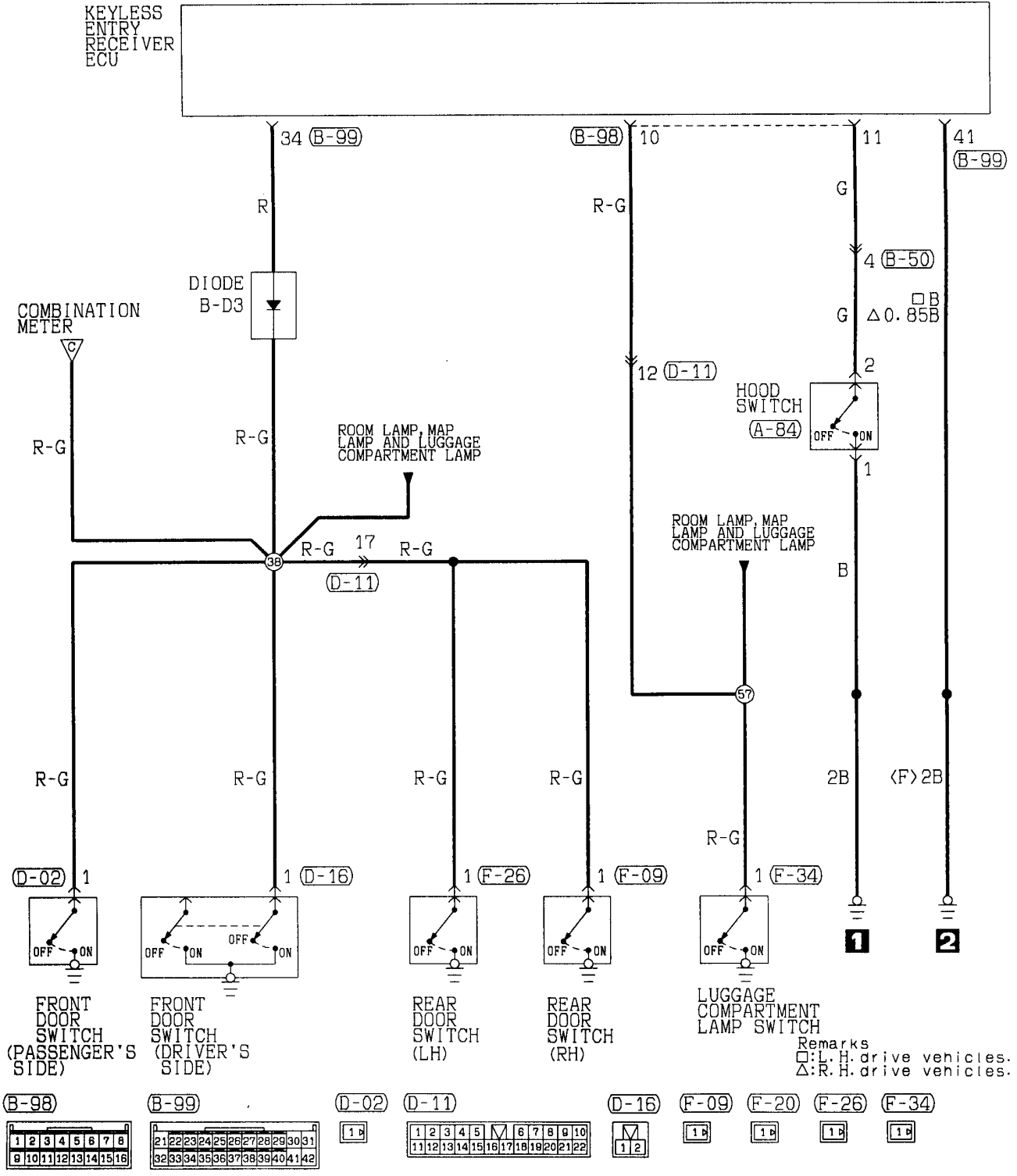
21	22	23	24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39	40	41	42

(D-11)

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

THEFT-ALARM SYSTEM <Sedan> (CONTINUED)

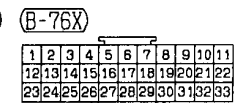
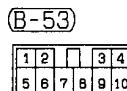
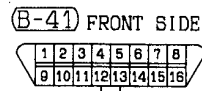
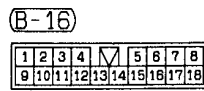
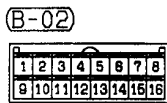
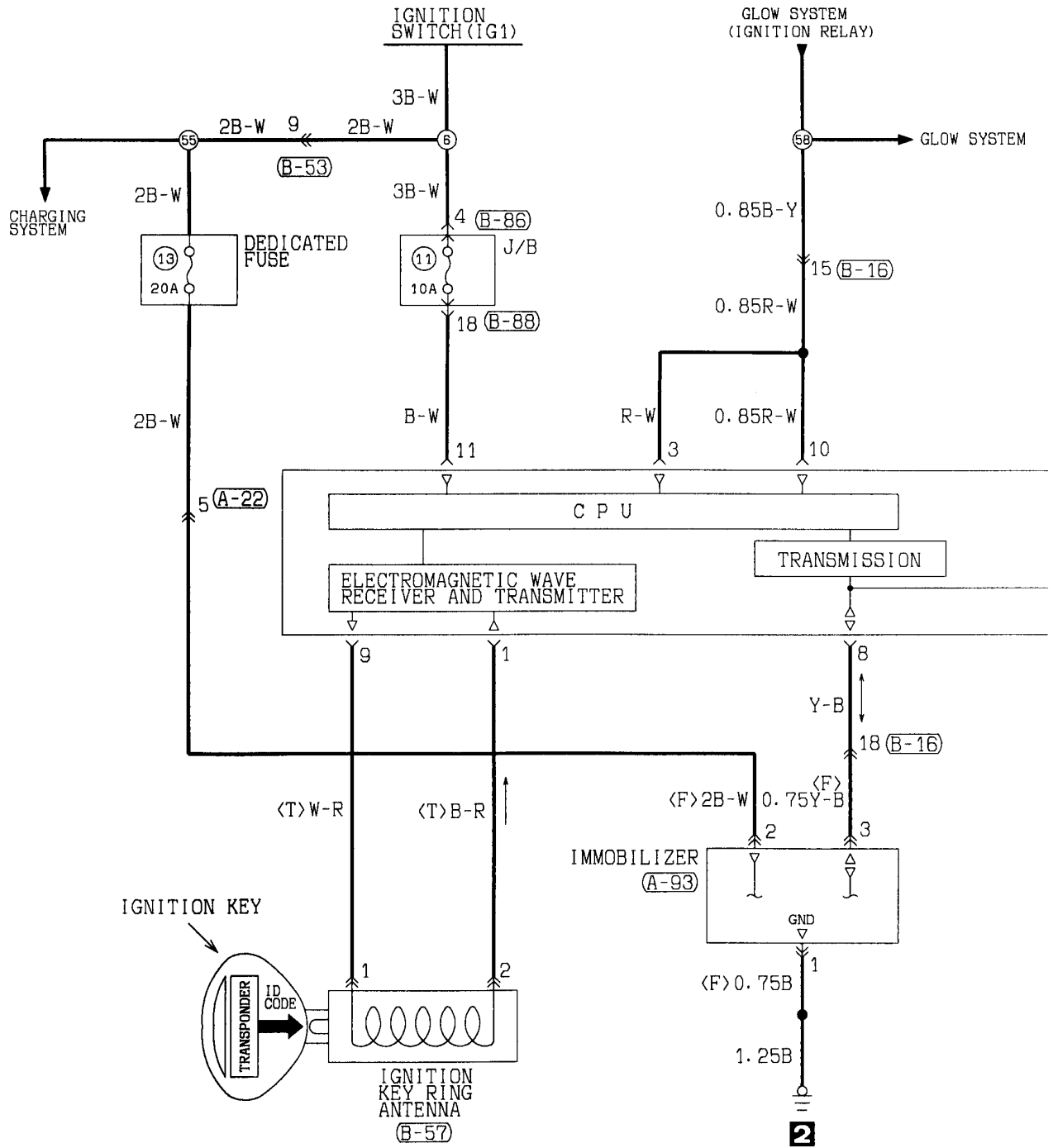


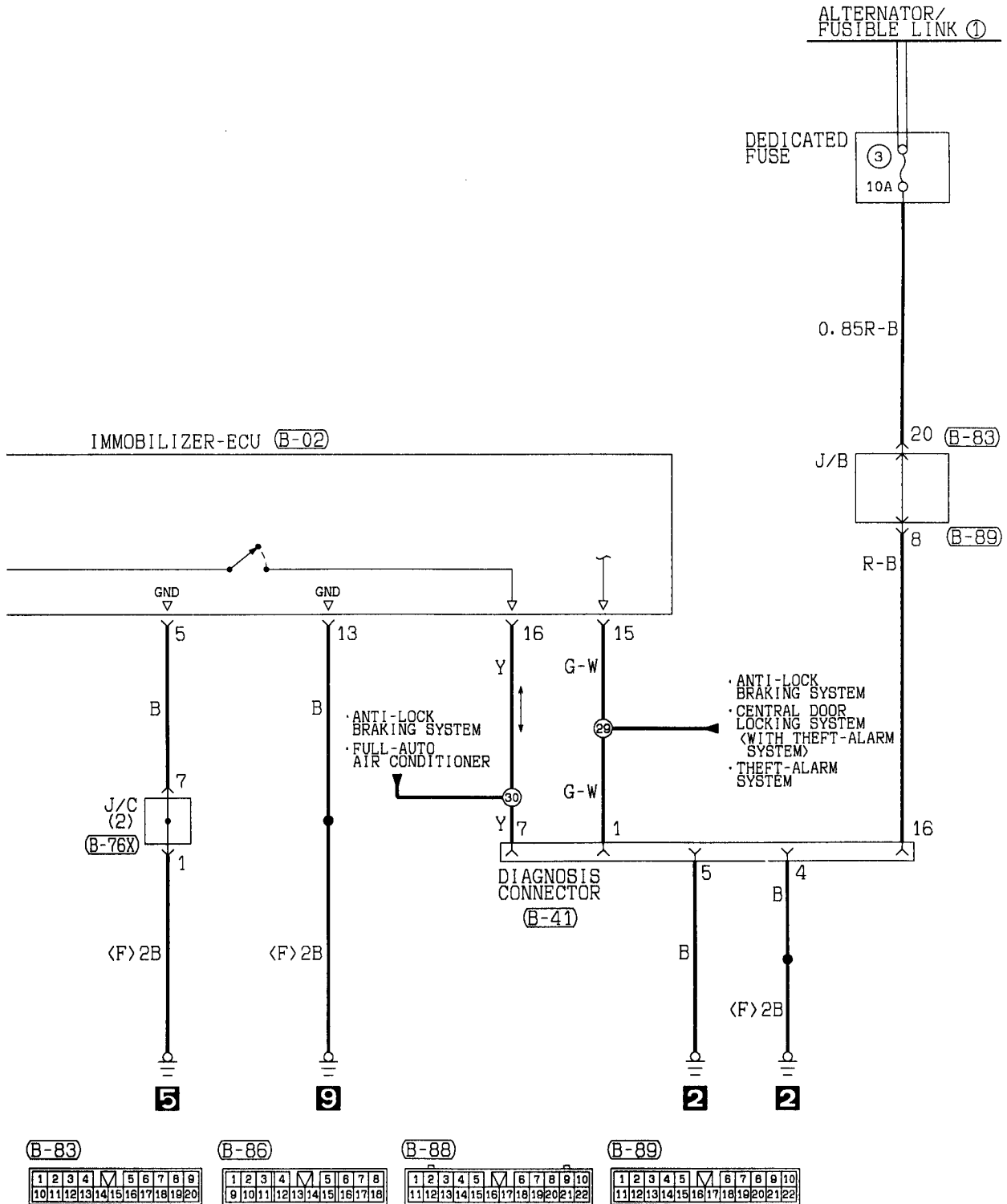


IMMOBILIZER SYSTEM

90101360063

Diesel-powered vehicles





FUEL LINE HEATER

90101480028

