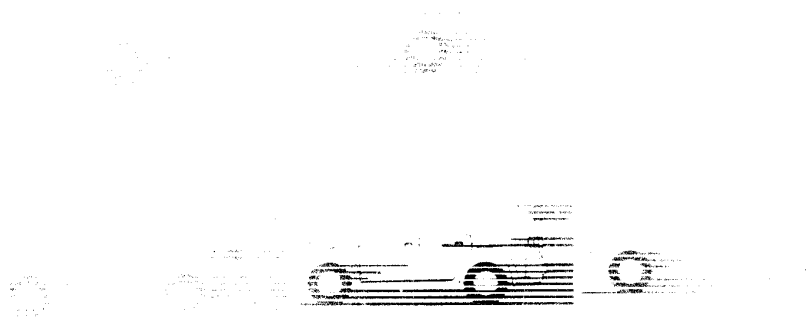
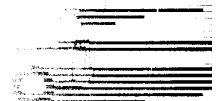
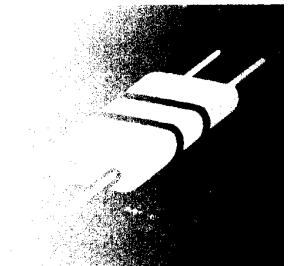




Workshop Manual

electrical wiring

PAJERO SPORT '99



Pub. No. PHJE9810

PAJERO SPORT

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring of Mitsubishi PAJERO SPORT 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
PYJE9804

WORKSHOP MANUAL
CHASSIS GROUP
PHJE9812

BODY REPAIR MANUAL
PBJE9808

ENGINE GROUP
PWEE□□

PARTS CATALOGUE
B603D509A□

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.

GROUP INDEX

00109001578

HOW TO READ THE WIRING DIAGRAMS	1
WIRING HARNESS CONFIGURATION DIAGRAMS	2
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CIRCUIT DIAGRAM	4
INDEX	



WARNINGS REGARDING SERVICING OF SUPPLEMENTAL RESTRAINT SYSTEM (SRS) EQUIPPED VEHICLE

00100010463

WARNING!

- (1) Improper service or maintenance of any component of the SRS or any SRS-related component, can lead to personal injury or death to service personnel (from inadvertent firing of the air bag) or to the driver and passenger (from rendering the SRS inoperative).
- (2) SRS components should not be subjected to heat over 93 °C, so remove the SRS-ECU, air bag module (driver's side and front passenger's side) and clock spring before drying or baking the vehicle after painting.
- (3) Service or maintenance of any SRS component or SRS-related component must be performed only at an authorized MITSUBISHI dealer.
- (4) MITSUBISHI dealer personnel must thoroughly review this manual, and especially its GROUP 52B-Supplemental Restraint System (SRS), before beginning any service or maintenance of any component of the SRS or any SRS-related component.

NOTE

Section titles with asterisks (*) in the table of contents in each group indicate operations requiring warnings.

HOW TO USE THIS MANUAL

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.

HOW TO READ THE WIRING DIAGRAMS

CONTENTS

00109001585

MODELS	1-2	HOW TO READ CIRCUIT DIAGRAMS	1-4
COMPOSITION AND CONTENTS OF WIRING DIAGRAMS	1-2	MARKINGS FOR CONNECTOR EARTHING	1-6
HOW TO READ CONFIGURATION DIAGRAMS	1-3	WIRE COLOUR CODES	1-9
		ABBREVIATION SYMBOLS	1-10

1-2 HOW TO READ THE WIRING DIAGRAMS – Models/Composition and Contents of Wiring Diagrams

MODELS

Model code		Engine model	Transmission model	Fuel supply system
K96WG	NHEL6	6G72-SOHC (2,972 mℓ)	V5MT1 (4WD-5M/T)	MPI
	NHER6			
K94W	NUFL6	4D56 (2,477 mℓ)		Fuel injection
	NUFR6			
K94WG	NHFL6			
	NHFR6			

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

00100010470

- (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"> ● 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. ● Joint connectors The internal circuits for all joint connectors are described, because only the part needed is shown in each circuit diagram. ● Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc. ● Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. ● Operation The standard operation of each system is briefly described, following the route of current flow. ● 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.
Index	All components used are listed by connector number and component name.

HOW TO READ CONFIGURATION DIAGRAMS

00100640105

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: Transmission

C: Dash panel

D: Steering column, junction block and relay box

E: Floor and roof

F: Door

G: Tailgate

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.

Denotes the colour of corrugated tube. (If not specified, it is black.)
R: Red
Y: Yellow

A-45

A-44

A-43

A-42

R

A-39

A36Z0001

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

A-39 (2-B)

A-40 (1)

A-41 (1)

A-42 (2-B)

Headlamp (LO: RH)

Horn (LO)

Horn (LO)

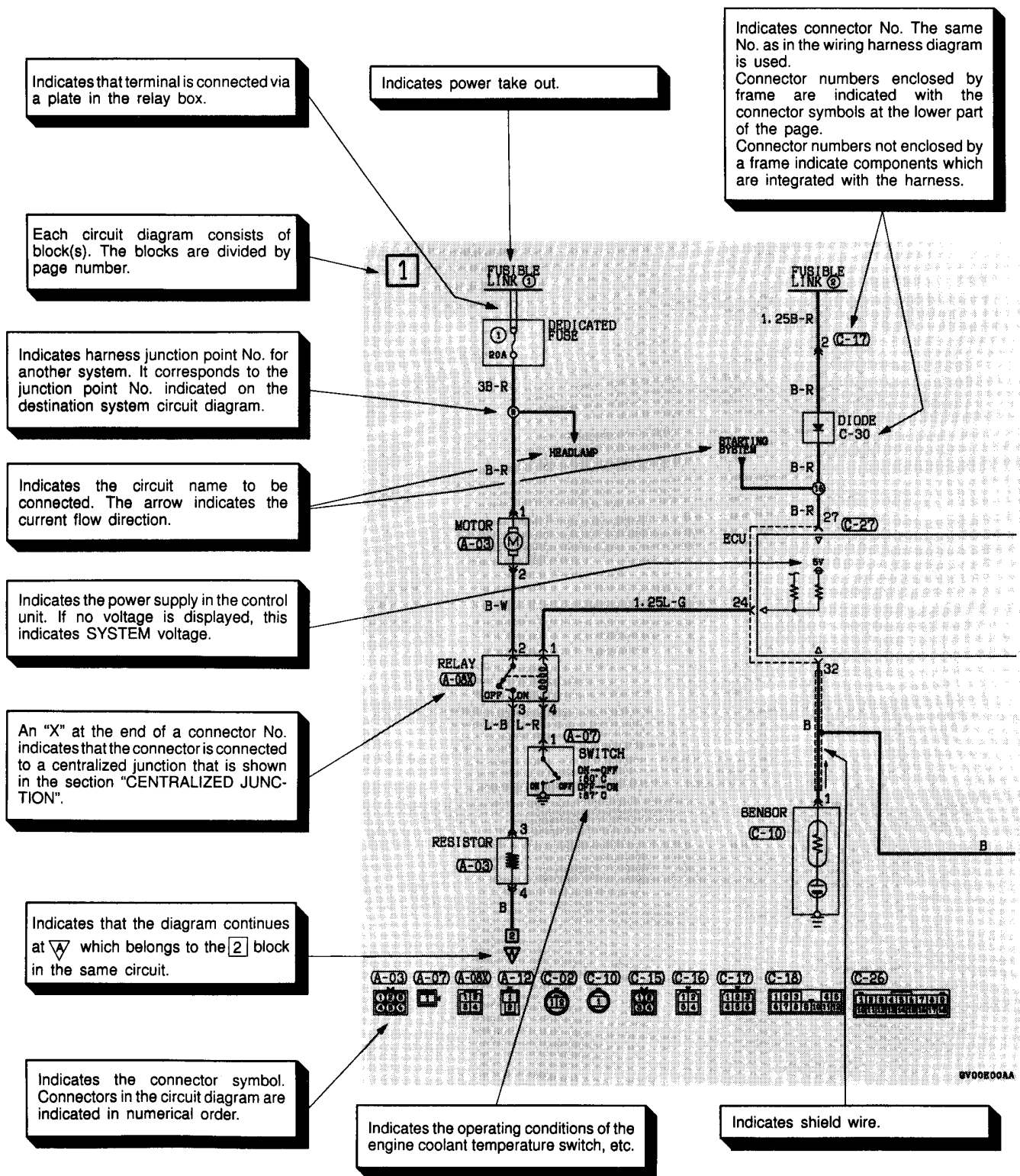
Windshield washer motor

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

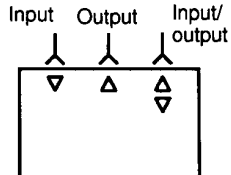
HOW TO READ CIRCUIT DIAGRAMS

00100650153

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.



Indicates input/output to/from control unit (current flow direction).



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

Indicates that the diagram comes from which belongs to the **1** block 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.

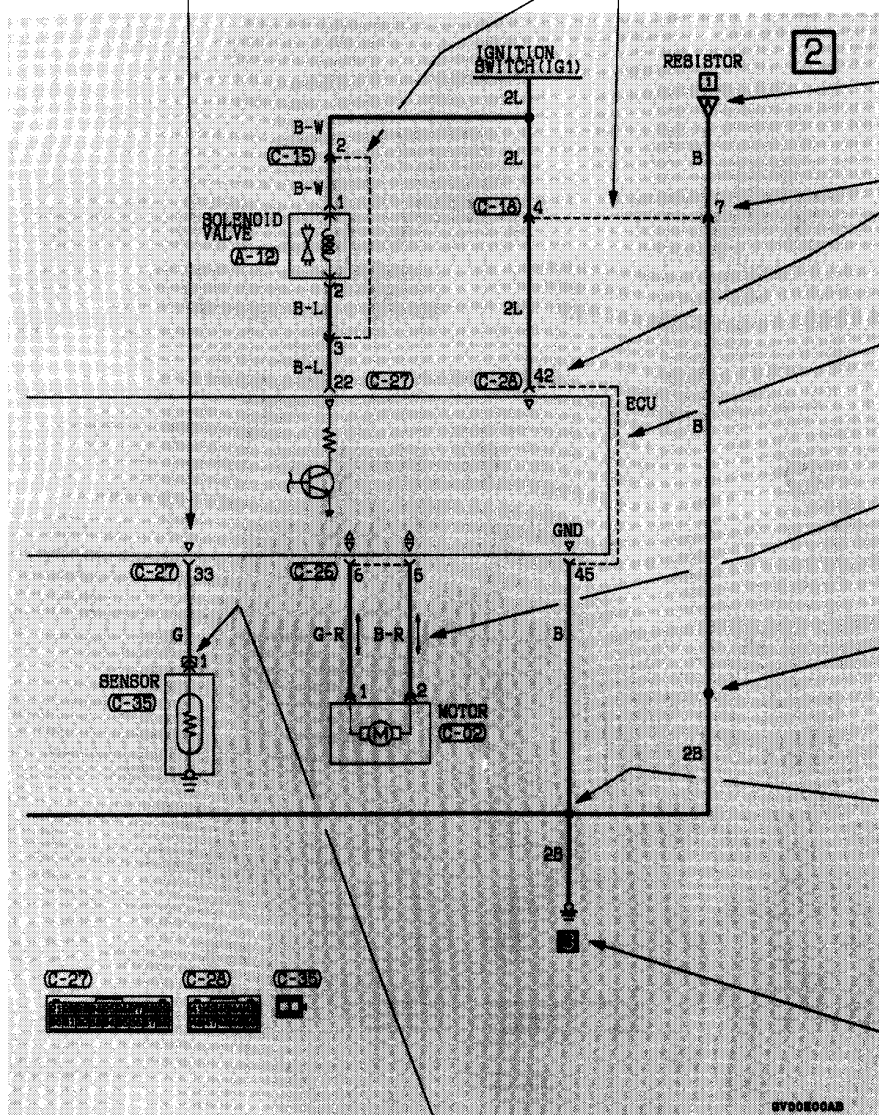
Indicates harness junction where wire diameter or colour changes.

Indicates intersections at which the lead wire are not connected.

Indicates intersections at which the lead wires are connected.

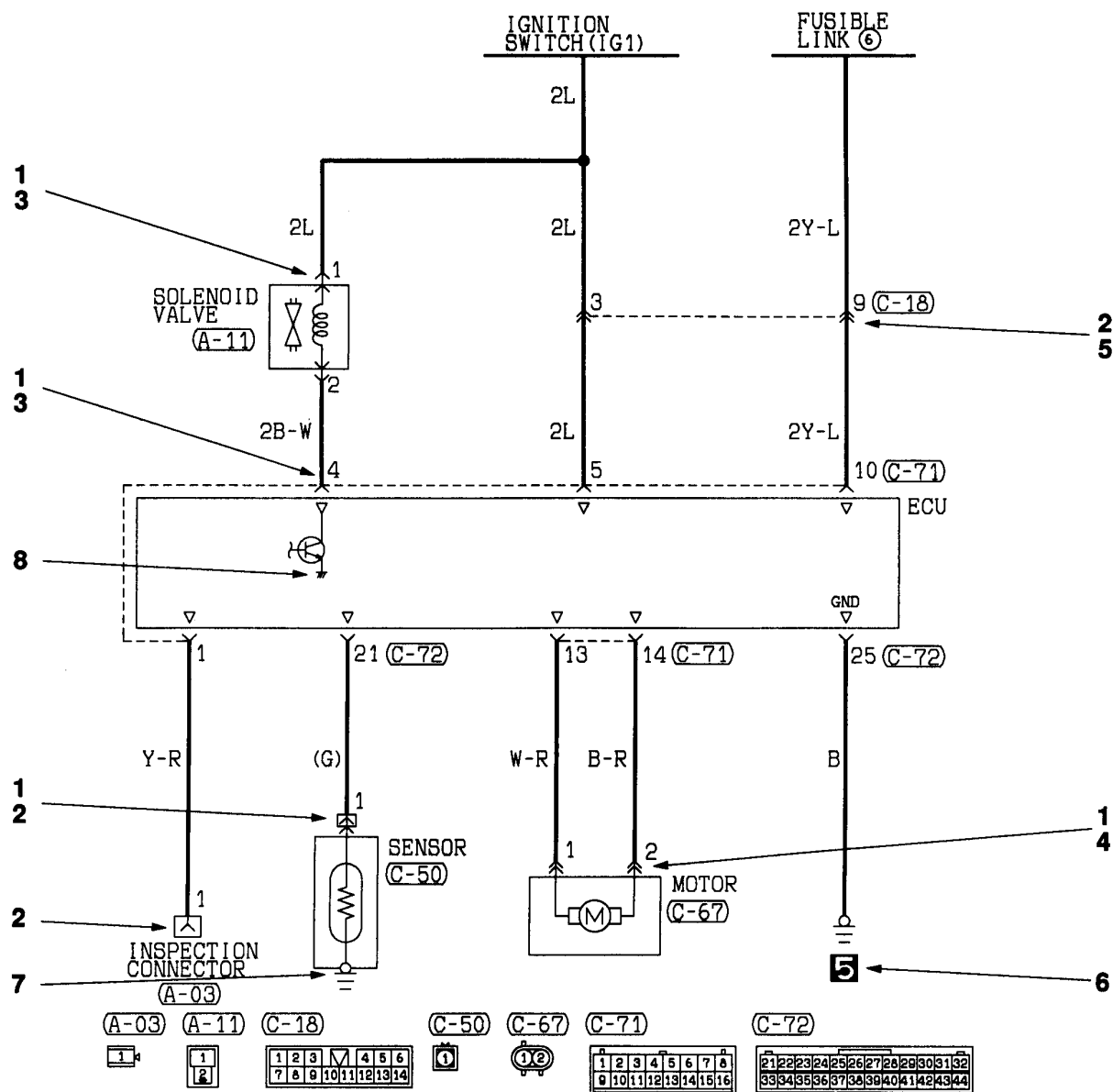
Indicates vehicle body earth point. (Same No. as that of earth point in wiring harness diagram and installation locations of individual parts.)

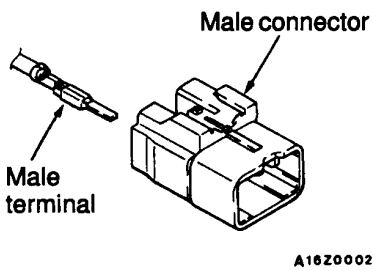

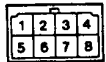
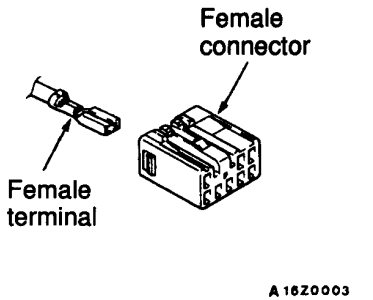

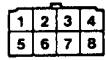
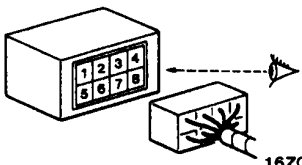
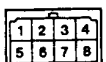
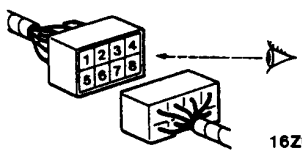
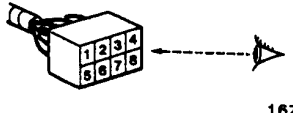

Indicates that the terminal is a spare one if the device (sensors in this case) is not provided.

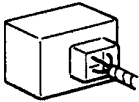
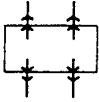
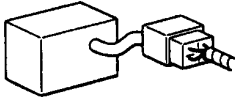
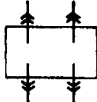
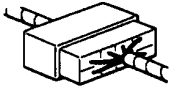

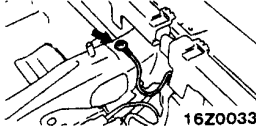

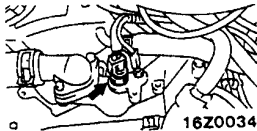

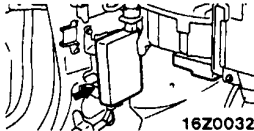



MARKINGS FOR CONNECTOR EARTHING

00100790107



Item	No.	Connector/Earthing	Symbol	Contents
Connector and terminal marking	1		<p>Male terminal</p>  16Z0021	<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>Male connector</p>  16Z0016	
	—		<p>Female terminal</p>  16Z0022	
			<p>Female connector</p>  16Z0017	
Connector symbol marking	2	<p>Device</p>  16Z0029	 16Z0016	<p>The symbol indicates the vehicle connector as viewed from the illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, a male connector symbol is shown. For spare connectors and check connectors, no device is connected, and so the harness-side connector symbol is shown for these connectors. The details for the diagnosis connector differ from the above description. For details, refer to the "MUT-II operation instructions".</p>
		<p>Intermediate connector</p>  16Z0030		
		<p>Spare connector, check connector</p>  16Z0031	 16Z0017	

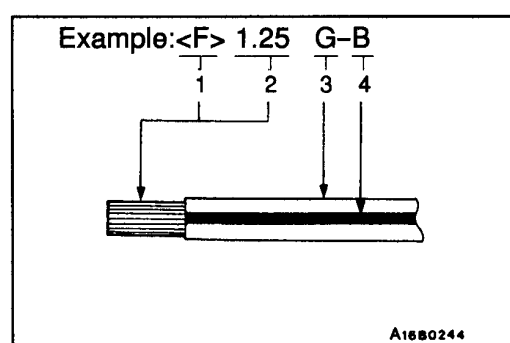
Item	No.	Connector/Earthing	Symbol	Contents
Connector connection marking	3	Direct connection type 		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished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

WIRE COLOUR CODES

00100800084

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 ²)*
3	Basic colour (colour of the cable coating)
4	Marking colour

NOTE

*: No code indicates 0.5 mm².
Cable colour code in parentheses indicates 0.3 mm².

1-10 HOW TO READ THE WIRING DIAGRAMS – Abbreviation Symbols

ABBREVIATION SYMBOLS

00100810155

The abbreviation symbols used in wiring diagrams are defined below.

1. Abbreviation symbols used for system name

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-skid braking system	ETACS	Electronic time and alarm control system
A/C	Air conditioner	MPI	Multi-point injection
DRL	Daytime running lamp	M/T	Manual transmission
EGR	Exhaust gas recirculation	SRS	Supplemental restraint system

2. Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4WD	4WD indicator lamp	OIL	Oil pressure warning lamp
ABS	Anti-skid braking system warning lamp	OIL LEVEL	Engine oil level warning lamp
BEAM	High beam indicator lamp	R/FOG	Rear fog lamp 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 indicator lamp	T/GA	Engine coolant temperature gauge
DOOR	Door-ajar warning lamp	TURN (LH)	Turn signal indicator lamp (L.H.)
F/GA	Fuel gauge	TURN (RH)	Turn signal indicator lamp (R.H.)
FUEL	Low fuel warning lamp	WATER SEPARAT-ER	Fuel filter warning lamp
GLOW	Diesel preheat 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	Blower switch	LO	Blower operates at low speed
	IG1	Even when at the ST (START) position, the power circuit will start		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
Dimmer passing switch	LO	Low beams ON	Windshield wiper switch	HI	Blower operates high speed
	HI	High beams ON		LO	Wipers operate at low speed
Lighting switch	TAIL	Position, tail, licence plate and illumination lamps ON		HI	Wipers operate at high speed
	HEAD	Headlamps ON	Variable intermittent wiper control switch	INT	Wipers operate intermittently
Room lamp switch	DOOR	Room lamp ON when a door is open		SLOW	Pause time for intermittent operation lengthen
Luggage room lamp switch	DOOR	Luggage room lamp ON when a door is open	Rear wiper switch	FAST	Pause time for intermittent operation shorten
Turn signal switch	LH	L.H. turn signal lamps ON		LO	Wiper operates at low speed
	RH	R.H. turn signal lamps ON	Remote controlled mirror switch	INT	Wiper operates intermittent
Door lock actuator	LOCK	Door lock		LH	L.H. mirror operates
	UNLOCK	Door unlock	Sunroof switch	RH	R.H. mirror operates
Door lock key cylinder switch	LOCK	Door lock		CLOSE	Sunroof slides to close
	UNLOCK	Door unlock	Others	OPEN	Sunroof slides to open
				ON	Switched on
				OFF	Switched off

1-12 HOW TO READ THE WIRING DIAGRAMS – Abbreviation Symbols

4. Other abbreviation symbols

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4WD	4 wheel-drive vehicles	J/C	Joint connector
DIESEL	Diesel-powered vehicles	LH	Left hand
ECU	Electronic control unit	LHD	L.H. drive vehicles
GND	Earth	PETROL	Petrol-powered vehicles
ILL	Illumination lamp	RH	Right hand
IND	Indicator lamp	RHD	R.H. drive vehicles
J/B	Junction block		

WIRING HARNESS CONFIGURATION DIAGRAMS

CONTENTS

80109000487

OVERALL WIRING DIAGRAM

L.H. drive vehicles	2-2
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TRANSMISSION 2-20

DASH PANEL

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R.H. drive vehicles	2-26

STEERING COLUMN, JUNCTION BLOCK AND RELAY BOX

L.H. drive vehicles	2-30
R.H. drive vehicles	2-32

FLOOR AND ROOF

L.H. drive vehicles	2-34
R.H. drive vehicles	2-36

DOOR

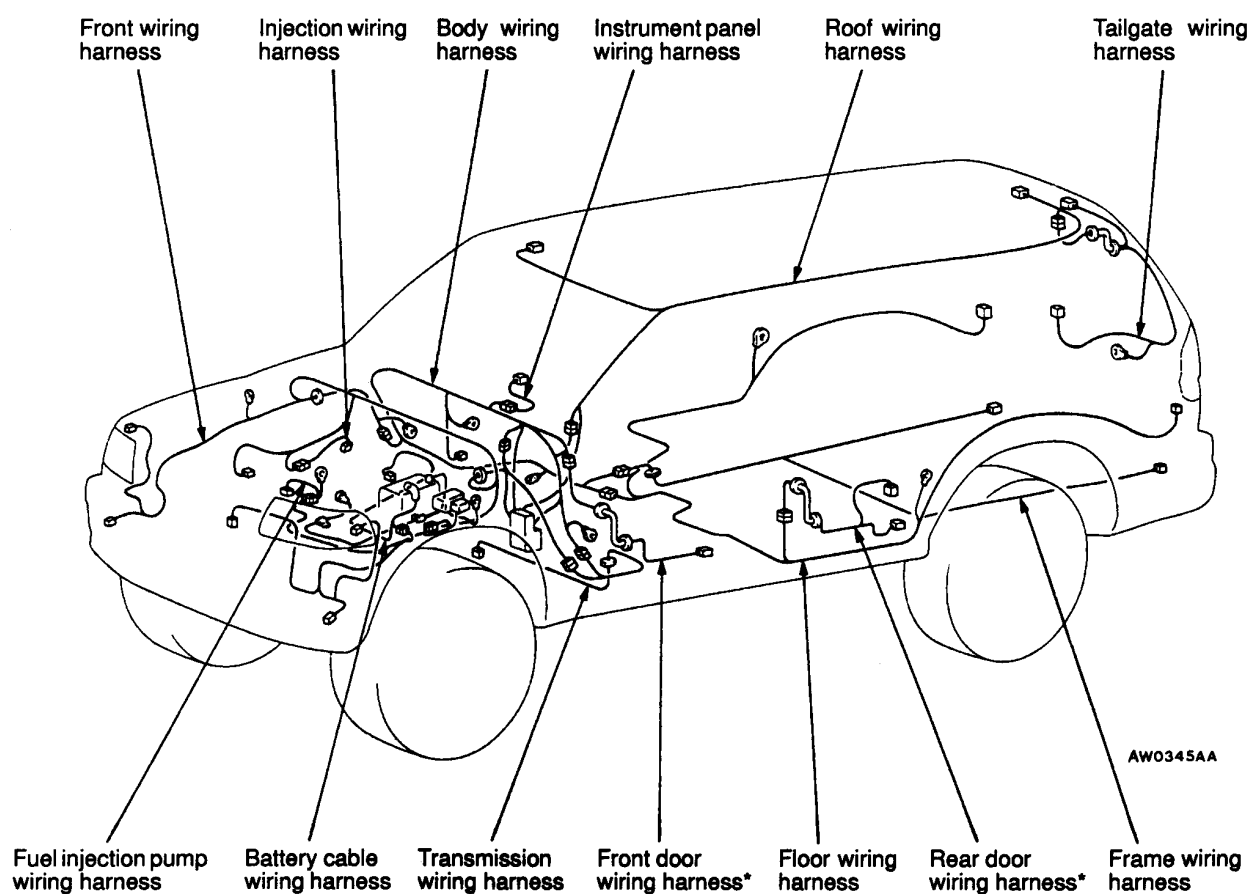
L.H. drive vehicles	2-38
R.H. drive vehicles	2-40

TAILGATE 2-42

OVERALL WIRING DIAGRAM

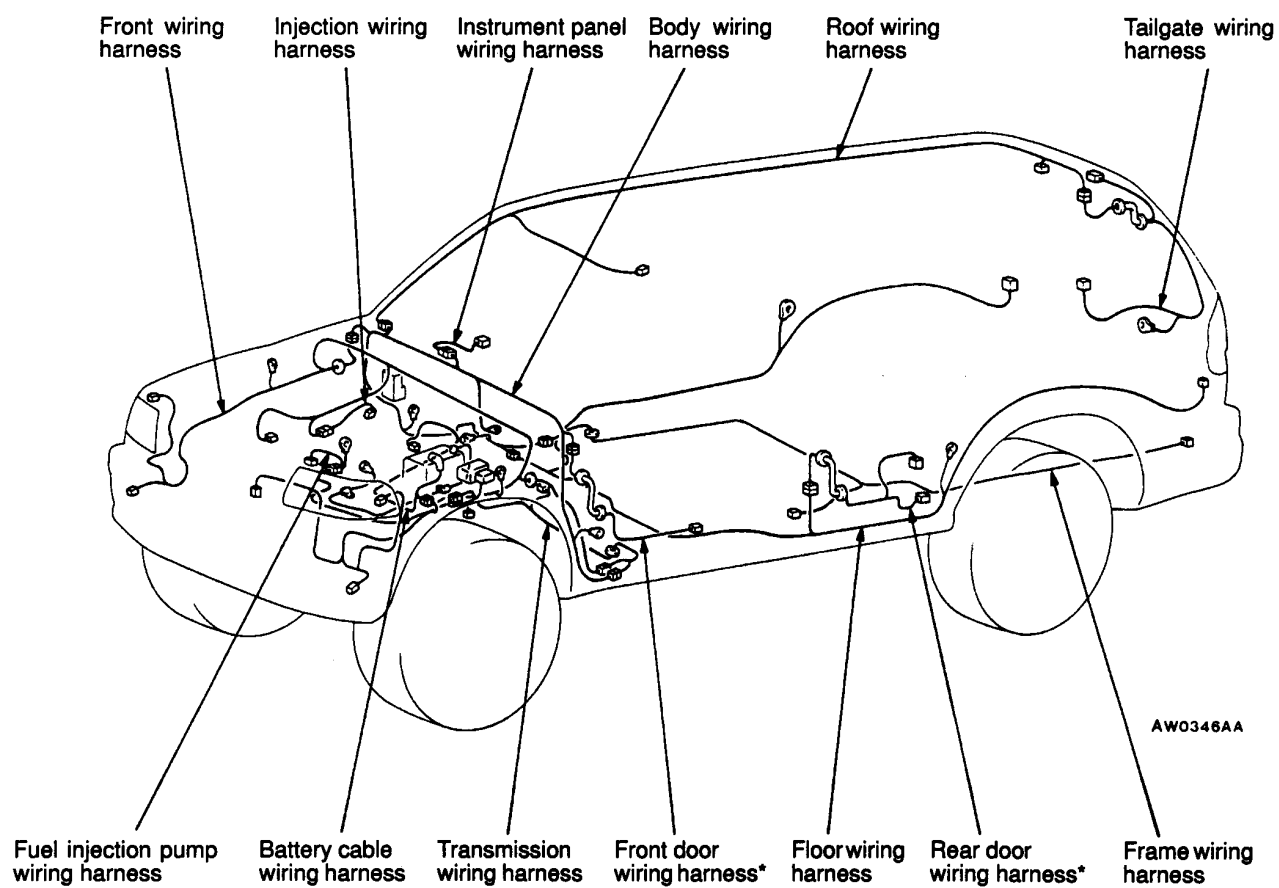
80100010427

L.H. drive vehicles

**Remarks**

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

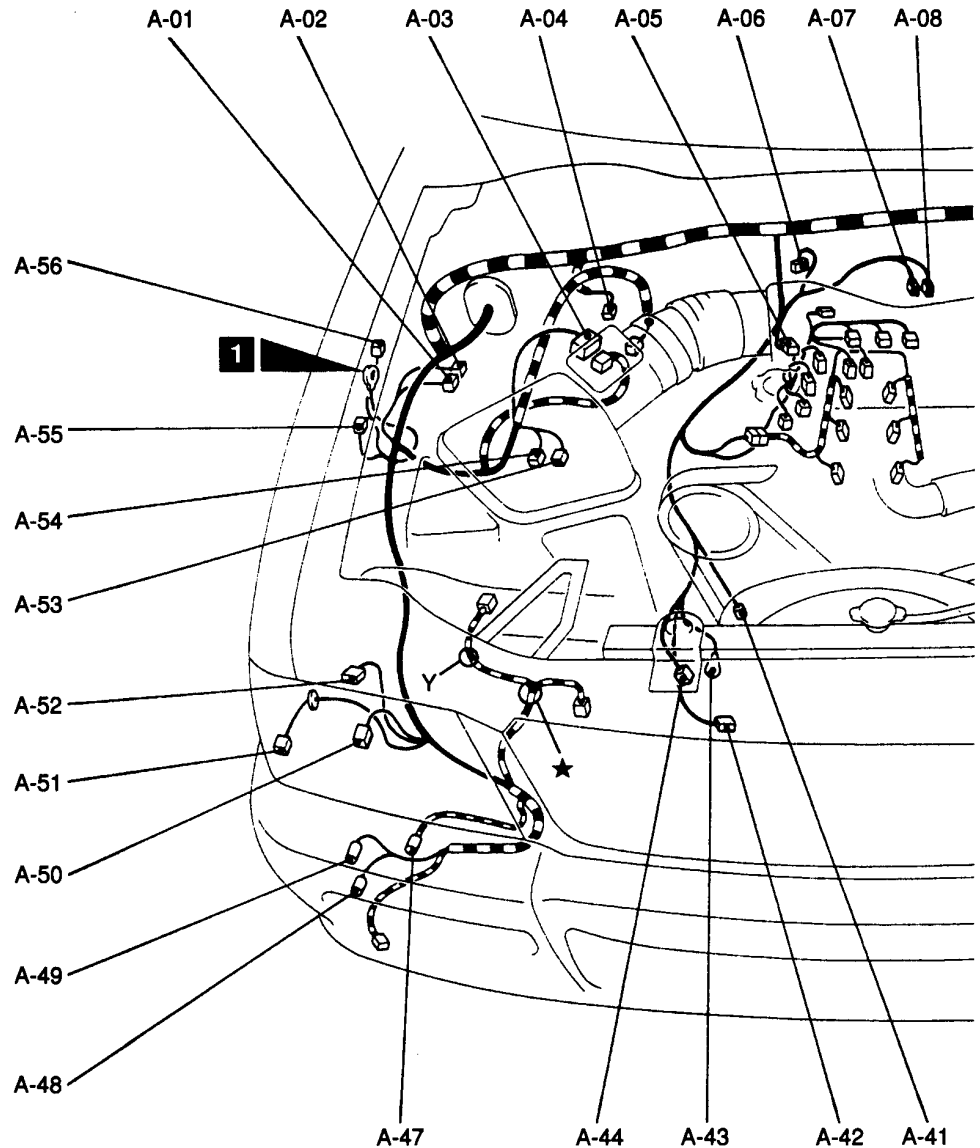
R.H. drive vehicles



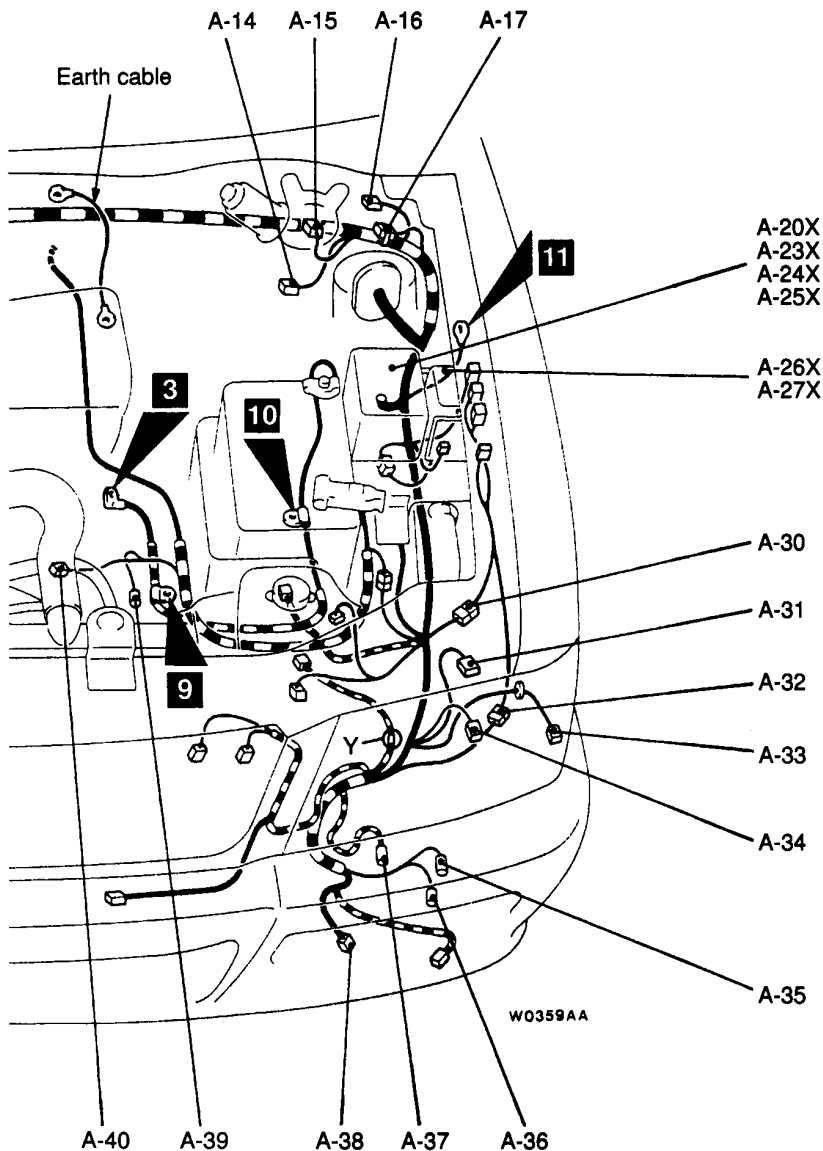
ENGINE COMPARTMENT

80100031479

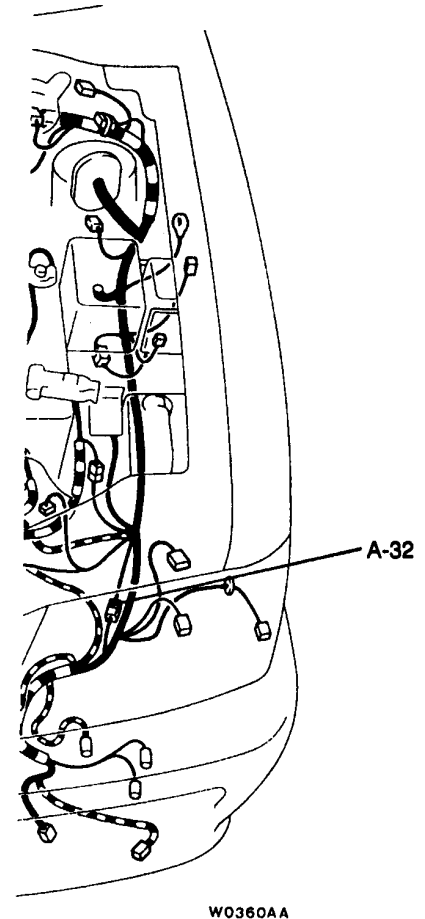
Petrol <L.H. drive vehicles>

Connector
symbol**A**-01
thru
-56

A-01 (26-B)	ABS-ECU	A-20X (4)	Alternator relay
A-02 (4-GR)	ABS-ECU	A-23X (5)	Headlamp relay
A-03 (7-B)	Air flow sensor	A-24X (5)	Blower relay
A-04 (4-B)	Auto-cruise control actuator	A-25X (5)	Storage connector
A-05 (6-B)	Idle speed control servo	A-26X (4)	A/C compressor relay <A/C>
A-06 (4-B)	Throttle position sensor	A-27X (4)	Condenser fan relay <A/C>
A-07 (2-B)	Purge control solenoid valve	A-30 (10-B)	DRL wiring harness and front wiring harness combination
A-08 (2-BR)	EGR solenoid valve	A-31 (3)	Headlamp leveling unit (LH)
A-14 (2-B)	Brake fluid level sensor	A-32 (10-B)	DRL wiring harness and front wiring harness combination
A-15 (4-B)	Windshield wiper motor	A-33 (2-GR)	Position lamp (LH)
A-16 (2-B)	Wiper deicer		
A-17 (1-L)	Engine speed detection connector		



<Vehicles with DRL>

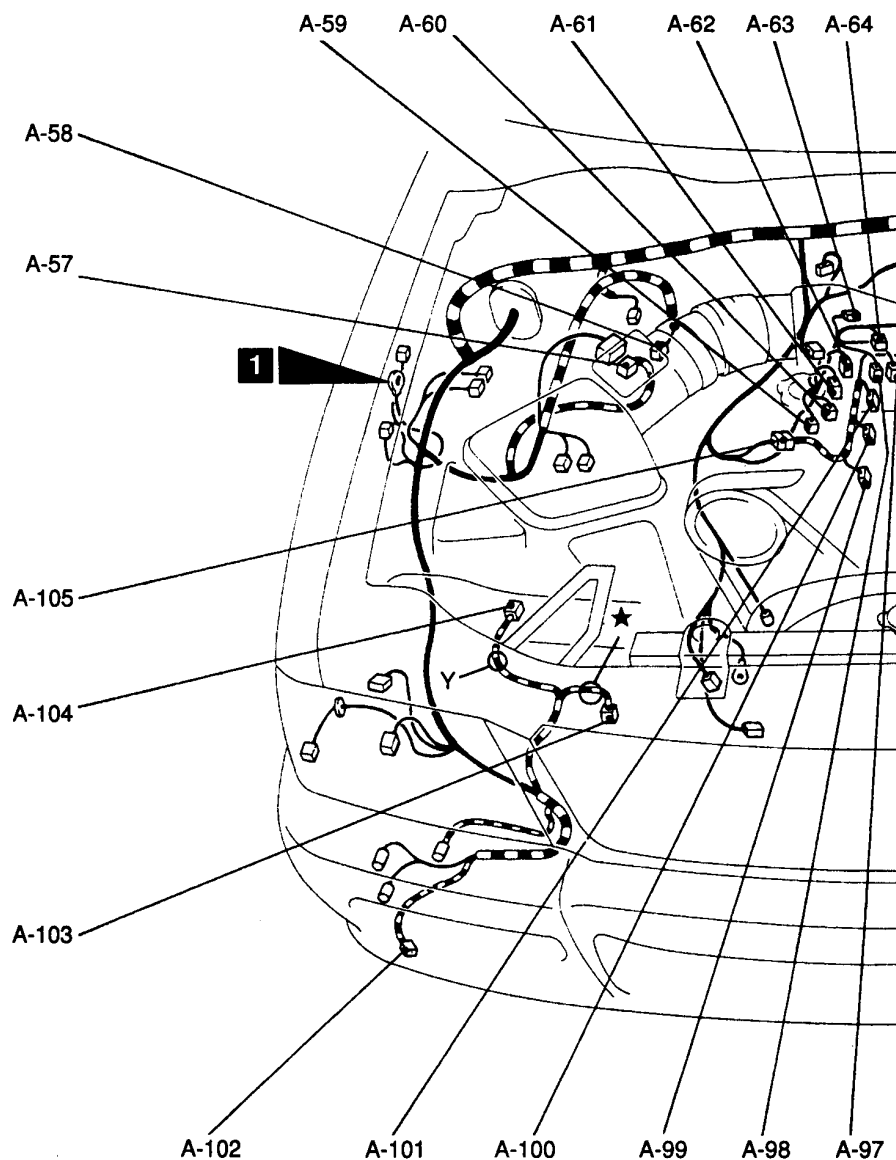


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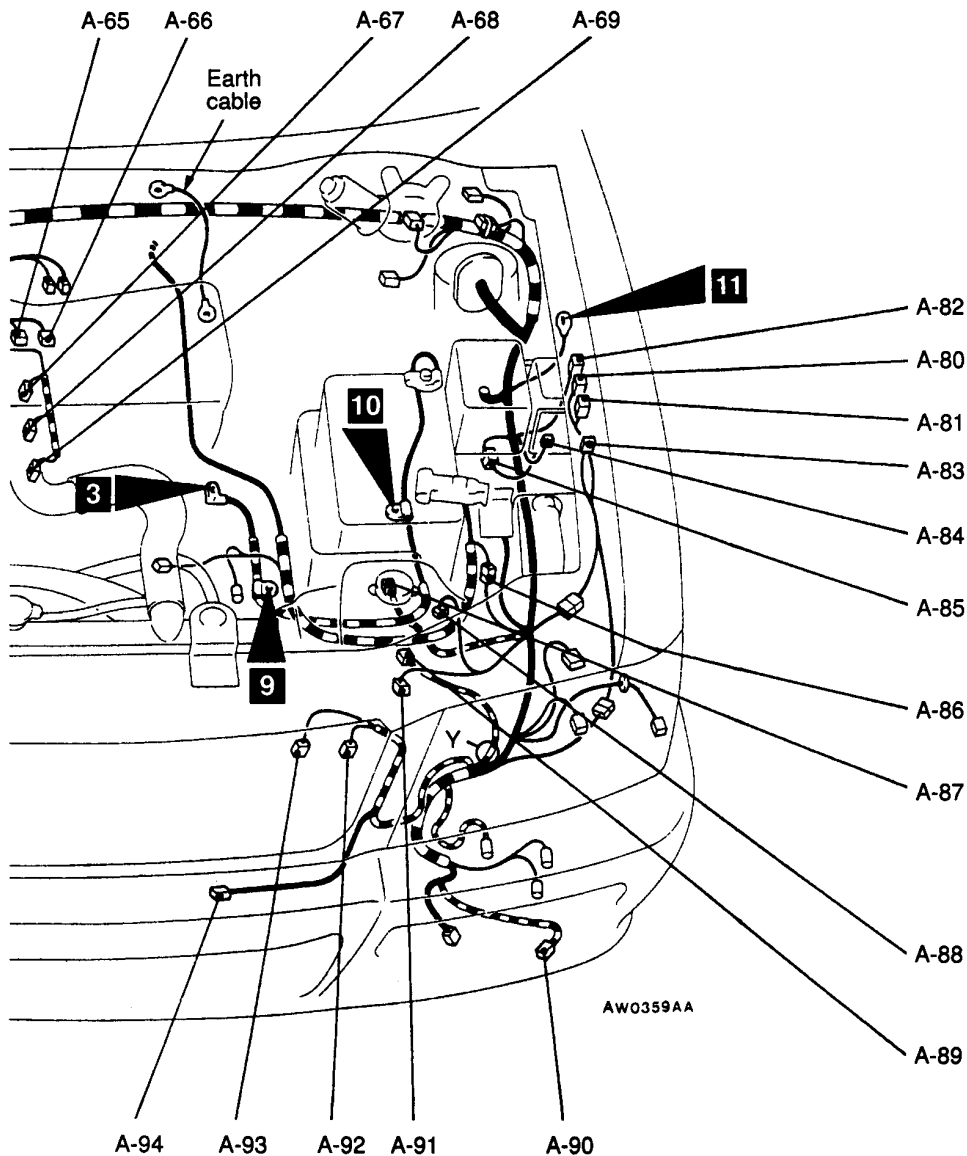
- A-34 (3-B) Headlamp (LH)
- A-35 (1) Horn (LO)
- A-36 (1) Horn (LO)
- A-37 (2-BR) Front turn-signal lamp (LH)
- A-38 (2-B) Outside thermo sensor <Multi-meter>
- A-39 (3-B) Magnetic clutch and refrigerant temperature switch
- A-40 (1-B) Oil pressure gauge unit
- A-41 (1) Power steering oil pressure switch
- A-42 (2-B) Engine oil level relay
- A-43 (1) Alternator

- A-44 (2-B) Alternator
- A-47 (2-BR) Front turn-signal lamp (RH)
- A-48 (1) Horn (HI)
- A-49 (1) Horn (HI)
- A-50 (3-B) Headlamp (RH)
- A-51 (2-GR) Position lamp (RH)
- A-52 (3) Headlamp leveling unit (RH)
- A-53 (2-B) Solenoid valve A <4WD>
- A-54 (2-B) Solenoid valve B <4WD>
- A-55 (4-B) ABS relay
- A-56 (4-B) Horn relay

Petrol <L.H. drive vehicles>

Connector
symbol**A** -57
thru
-105

A-57 (2-GR)	Free-wheeling hub engage switch <Vehicles with auto-cruise control system>	A-65 (2-B)	Ignition coil (1)
A-58 (2-GR)	Free-wheeling hub engage switch <Vehicles without auto-cruise control system>	A-66 (2-B)	Ignition coil (3)
A-59 (2-B)	Engine coolant temperature sensor	A-67 (2-GR)	Injector No.6
A-60 (1-B)	Engine coolant temperature gauge unit	A-68 (2-GR)	Injector No.4
A-61 (6-B)	Power transistor	A-69 (2-GR)	Injector No.2
A-62 (3-B)	Power transistor	A-80 (4-B)	DRL relay 1
A-63 (1-B)	Capacitor	A-81 (4-B)	DRL relay 2
A-64 (2-B)	Ignition coil (2)	A-82 (4)	Tail lamp relay
		A-83 (12-B)	DRL-ECU
		A-84 (6-B)	Headlamp washer relay
		A-85 (10-B)	Front wiring harness and A/C wiring harness combination



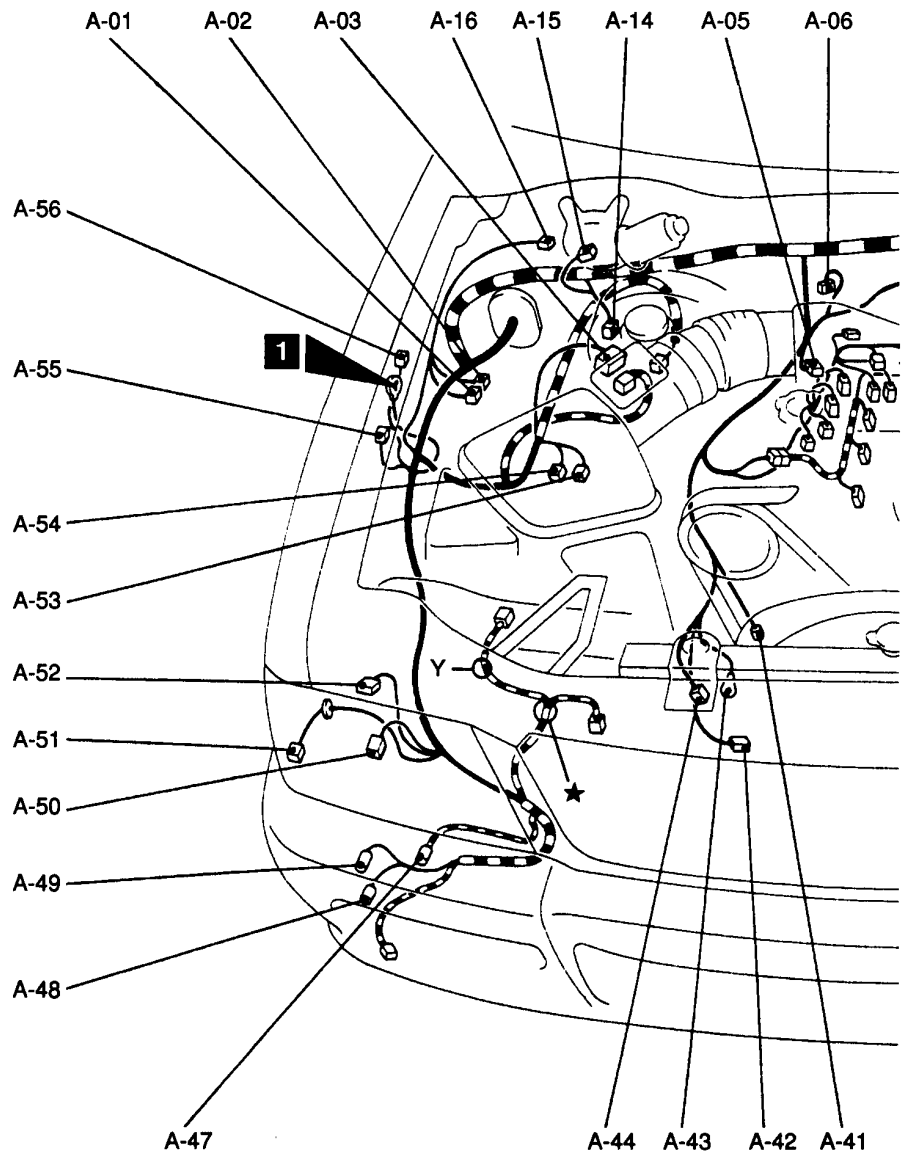
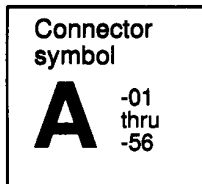
A-86 (6-B) Battery cable wiring harness and front wiring harness combination
 A-87 (2-B) Wheel speed sensor (front: LH) <ABS>
 A-88 (2-B) Headlamp washer motor
 A-89 (2-R) Front impact sensor (LH)
 A-90 (2-BR) Front fog lamp (LH)
 A-91 (2-B) Windshield washer motor
 A-92 (2-BR) Dual pressure switch <A/C>
 A-93 (2-B) Condenser fan motor <A/C>
 A-94 (2-BR) Outside air thermo sensor <A/C>

A-97 (3-B) Crank angle sensor
 A-98 (3-GR) Camshaft position sensor
 A-99 (2-GR) Injector No.1
 A-100 (2-GR) Injector No.3
 A-101 (2-GR) Injector No.5
 A-102 (2-BR) Front fog lamp (RH)
 A-103 (2-B) Wheel speed sensor (front: RH) <ABS>
 A-104 (2-R) Front impact sensor (RH)
 A-105 (8-B) Injection wiring harness and front wiring harness combination

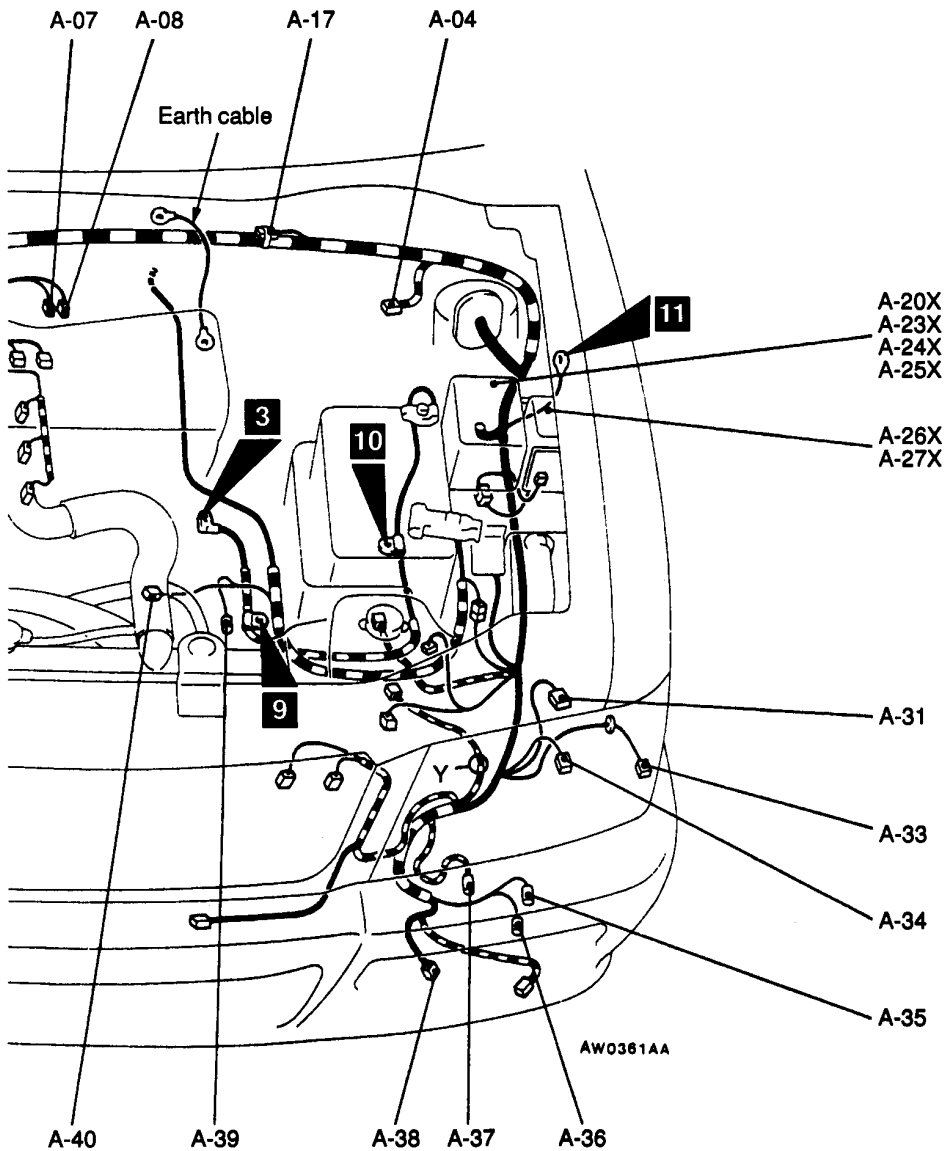
ENGINE COMPARTMENT

80100031486

Petrol <R.H. drive vehicles>



A-01 (26-B)	ABS-ECU	A-17 (1-L)	Engine speed detection connector
A-02 (4-GR)	ABS-ECU	A-20X (4)	Alternator relay
A-03 (7-B)	Air flow sensor	A-23X (5)	Headlamp relay
A-04 (4-B)	Auto-cruise control actuator	A-24X (5)	Blower relay
A-05 (6-B)	Idle speed control servo	A-25X (5)	Storage connector
A-06 (4-B)	Throttle position sensor	A-26X (4)	A/C compressor relay <A/C>
A-07 (2-B)	Purge control solenoid valve	A-27X (4)	Condenser fan relay <A/C>
A-08 (2-BR)	EGR solenoid valve	A-31 (3)	Headlamp leveling unit (LH)
A-14 (2-B)	Brake fluid level sensor	A-33 (2-GR)	Position lamp (LH)
A-15 (4-B)	Windshield wiper motor	A-34 (3-B)	Headlamp (LH)
A-16 (2-B)	Wiper deicer	A-35 (1)	Horn (LO)



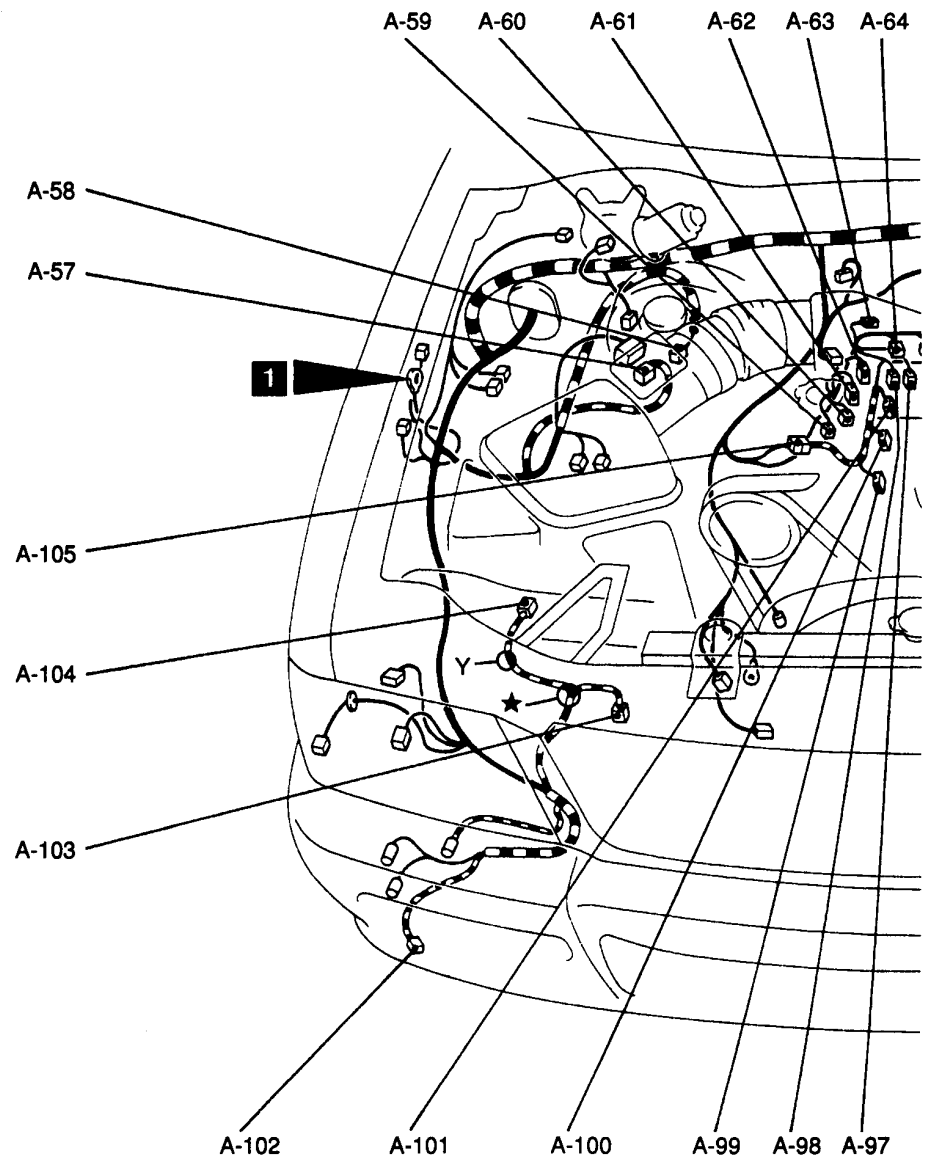
- A-36 (1) Horn (LO)
- A-37 (2-BR) Front turn-signal lamp (LH)
- A-38 (2-B) Outside thermo sensor <Multi-meter>
- A-39 (3-B) Magnetic clutch and refrigerant temperature switch
- A-40 (1-B) Oil pressure gauge unit
- A-41 (1) Power steering oil pressure switch
- A-42 (2-B) Engine oil level relay
- A-43 (1) Alternator
- A-44 (2-B) Alternator

- A-47 (2-BR) Front turn-signal lamp (RH)
- A-48 (1) Horn (HI)
- A-49 (1) Horn (HI)
- A-50 (3-B) Headlamp (RH)
- A-51 (2-GR) Position lamp (RH)
- A-52 (3) Headlamp levelling unit (RH)
- A-53 (2-B) Solenoid valve A <4WD>
- A-54 (2-B) Solenoid valve B <4WD>
- A-55 (4-B) ABS relay
- A-56 (4-B) Horn relay

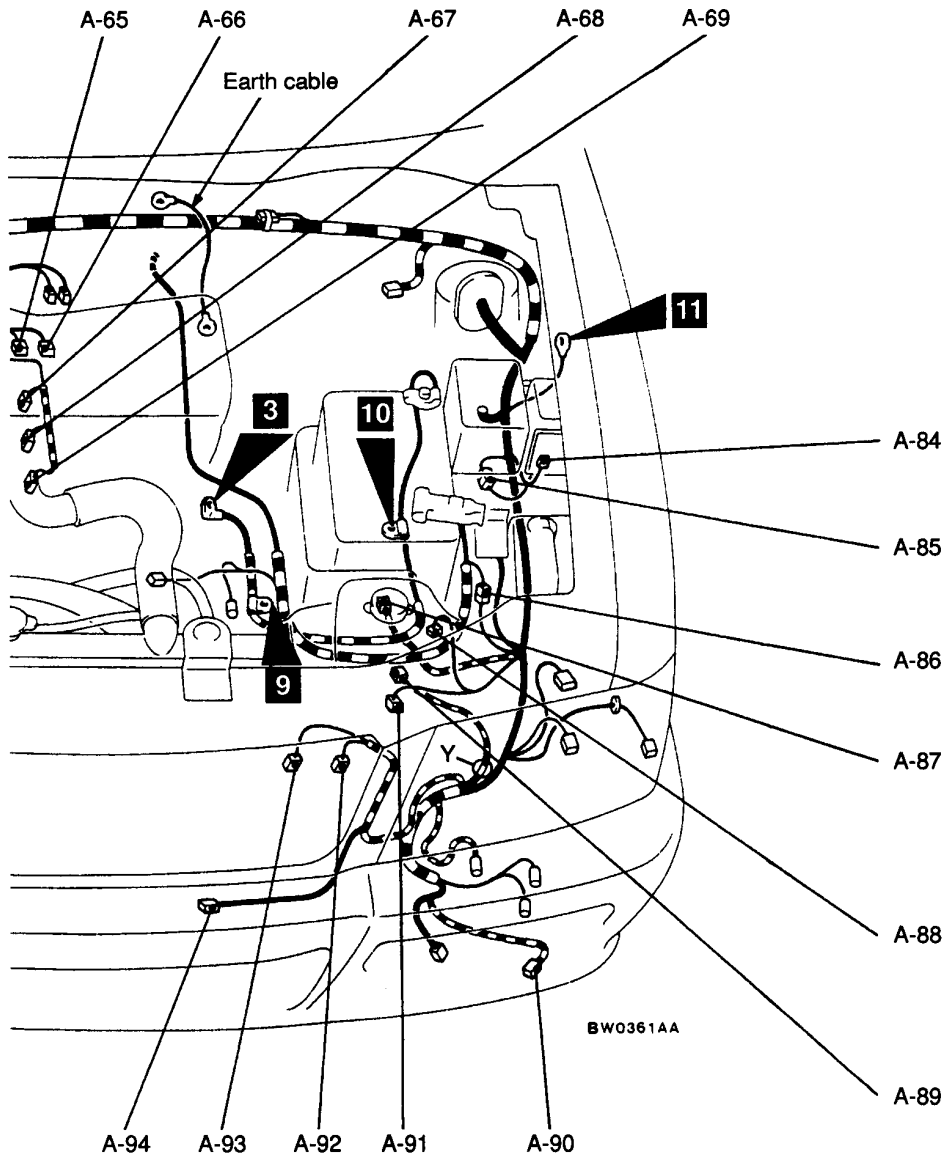
Petrol <R.H. drive vehicles>

Connector
symbol

A -57
thru
-105



A-57 (2-GR)	Free-wheeling hub engage switch <Vehicles with auto-cruise control system>	A-64 (2-B)	Ignition coil (2)
A-58 (2-GR)	Free-wheeling hub engage switch <Vehicles without auto-cruise control system>	A-65 (2-B)	Ignition coil (1)
A-59 (2-B)	Engine coolant temperature sensor	A-66 (2-B)	Ignition coil (3)
A-60 (1-B)	Engine coolant temperature gauge unit	A-67 (2-GR)	Injector No.6
A-61 (6-B)	Power transistor	A-68 (2-GR)	Injector No.4
A-62 (3-B)	Power transistor	A-69 (2-GR)	Injector No.2
A-63 (1-B)	Capacitor	A-84 (6-B)	Headlamp washer relay
		A-85 (10-B)	Front wiring harness and A/C wiring harness combination
		A-86 (6-B)	Battery cable wiring harness and front wiring harness combination



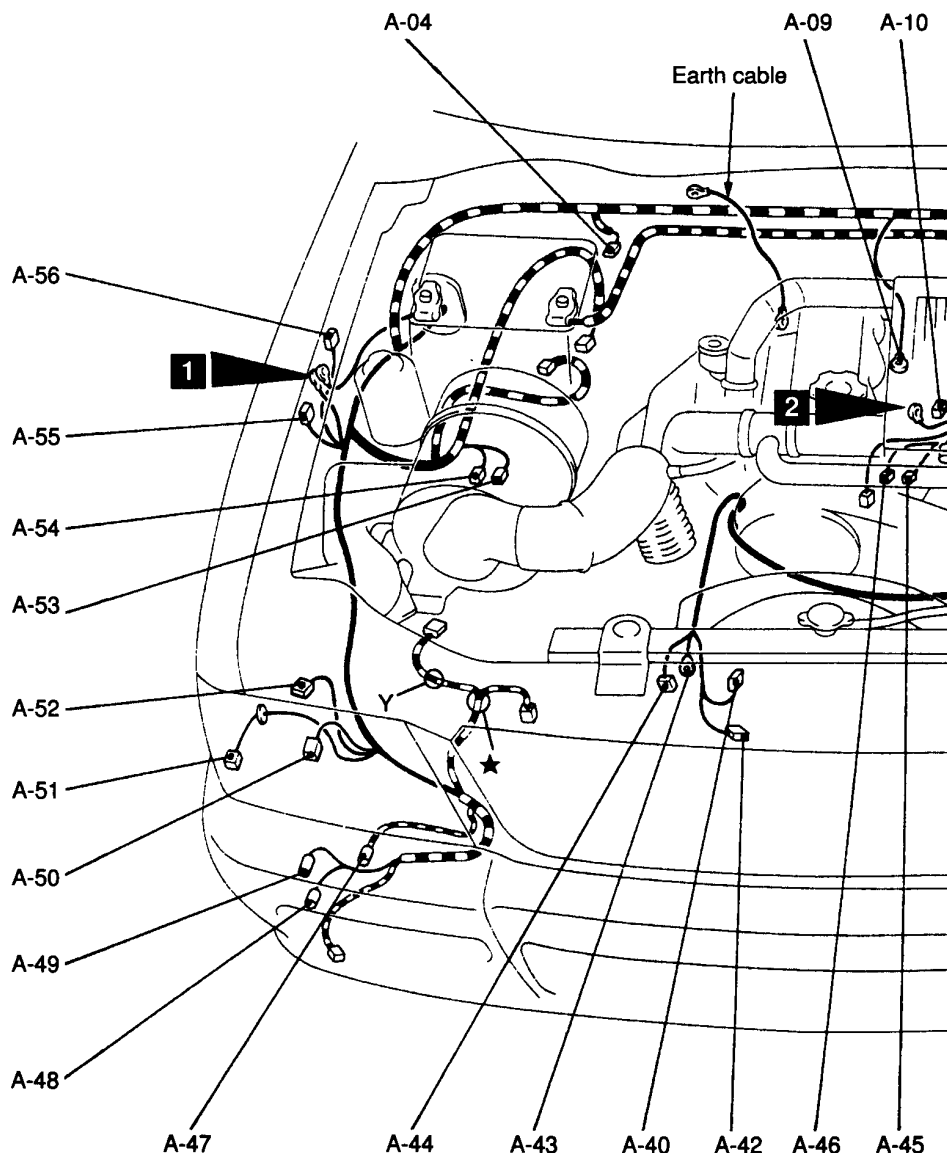
A-87 (2-B) Wheel speed sensor (front: LH) <ABS>
 A-88 (2-B) Headlamp washer motor
 A-89 (2-R) Front impact sensor (LH)
 A-90 (2-BR) Front fog lamp (LH)
 A-91 (2-B) Windshield washer motor
 A-92 (2-BR) Dual pressure switch <A/C>
 A-93 (2-B) Condenser fan motor <A/C>
 A-94 (2-BR) Outside air thermo sensor <A/C>
 A-97 (3-B) Crank angle sensor

A-98 (3-GR) Camshaft position sensor
 A-99 (2-GR) Injector No.1
 A-100 (2-GR) Injector No.3
 A-101 (2-GR) Injector No.5
 A-102 (2-BR) Front fog lamp (RH)
 A-103 (2-B) Wheel speed sensor (front: RH) <ABS>
 A-104 (2-R) Front impact sensor (RH)
 A-105 (8-B) Injection wiring harness and front wiring harness combination

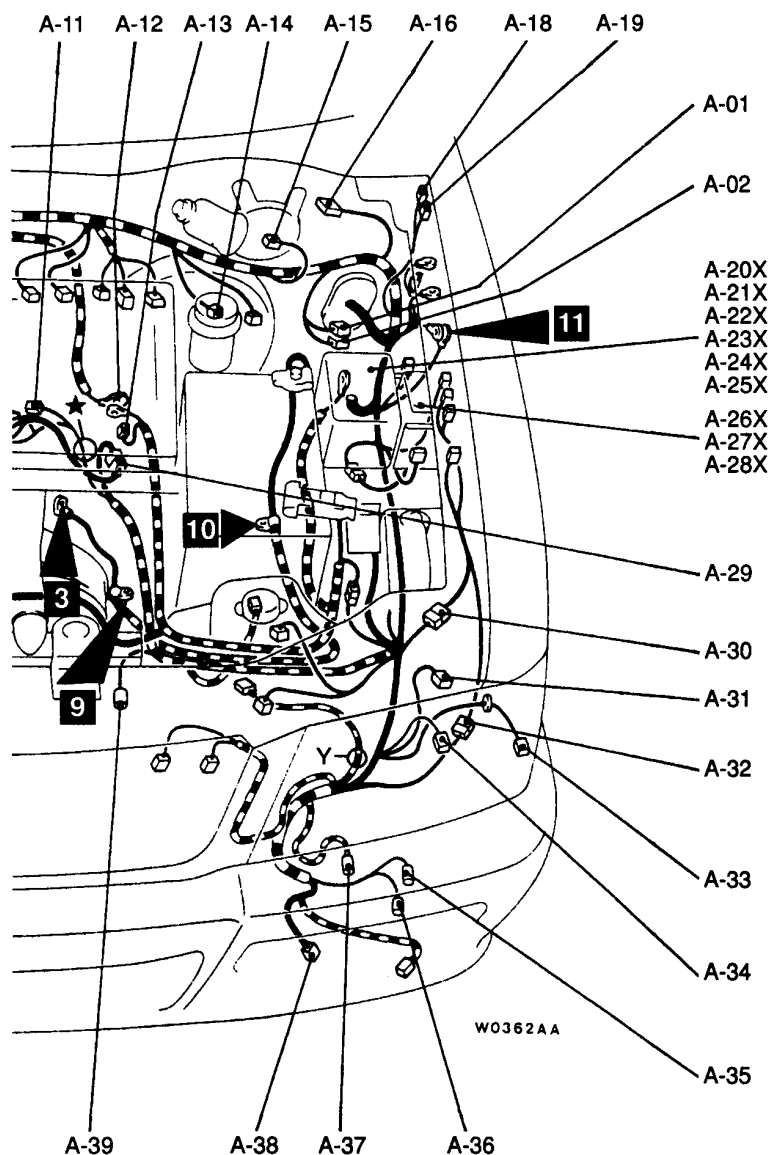
ENGINE COMPARTMENT

80100031493

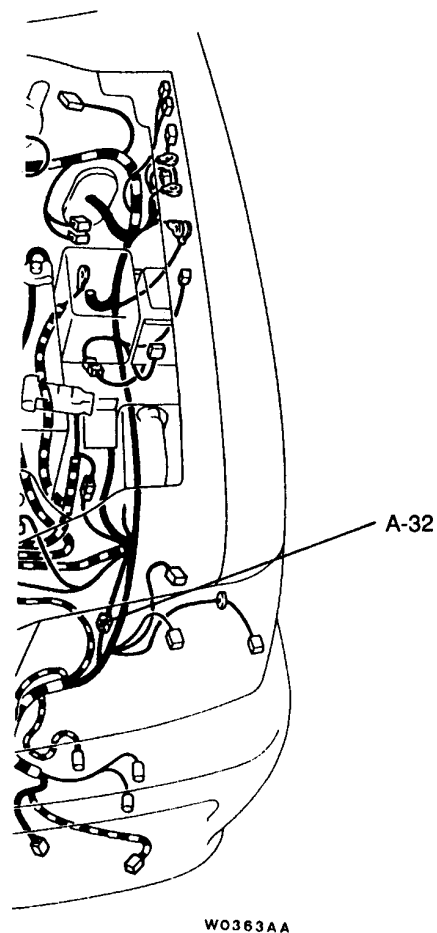
Diesel <L.H. drive vehicles>

Connector
symbol**A**-01
thru
-56

A-01 (26-B)	ABS-ECU	A-20X (4)	Alternator relay
A-02 (4-GR)	ABS-ECU	A-21X (5)	Starter relay
A-04 (4-B)	Auto-cruise control actuator	A-22X (5)	Intercooler fan relay
A-09 (1)	Glow plug	A-23X (5)	Headlamp relay
A-10 (3-B)	Fuel cut valve-controller	A-24X (5)	Blower relay
A-11 (4-B)	Lever (Throttle) position sensor and timer solenoid	A-25X (5)	Storage connector
A-12 (1)	Starter	A-26X (4)	A/C compressor relay <A/C>
A-13 (1-B)	Starter	A-27X (4)	Condenser fan relay <A/C>
A-14 (2-B)	Brake fluid level sensor	A-28X (4)	Condenser fan control relay <A/C>
A-15 (4-B)	Windshield wiper motor	A-29 (6-B)	Fuel injection pump wiring harness and front wiring harness combination
A-16 (2-B)	Wiper deicer	A-30 (10-B)	DRL wiring harness and front wiring harness combination
A-18 (2-B)	EGR solenoid valve (2)	A-31 (3)	Headlamp leveling unit (LH)
A-19 (2-B)	EGR solenoid valve (1)		



<Vehicles with DRL>

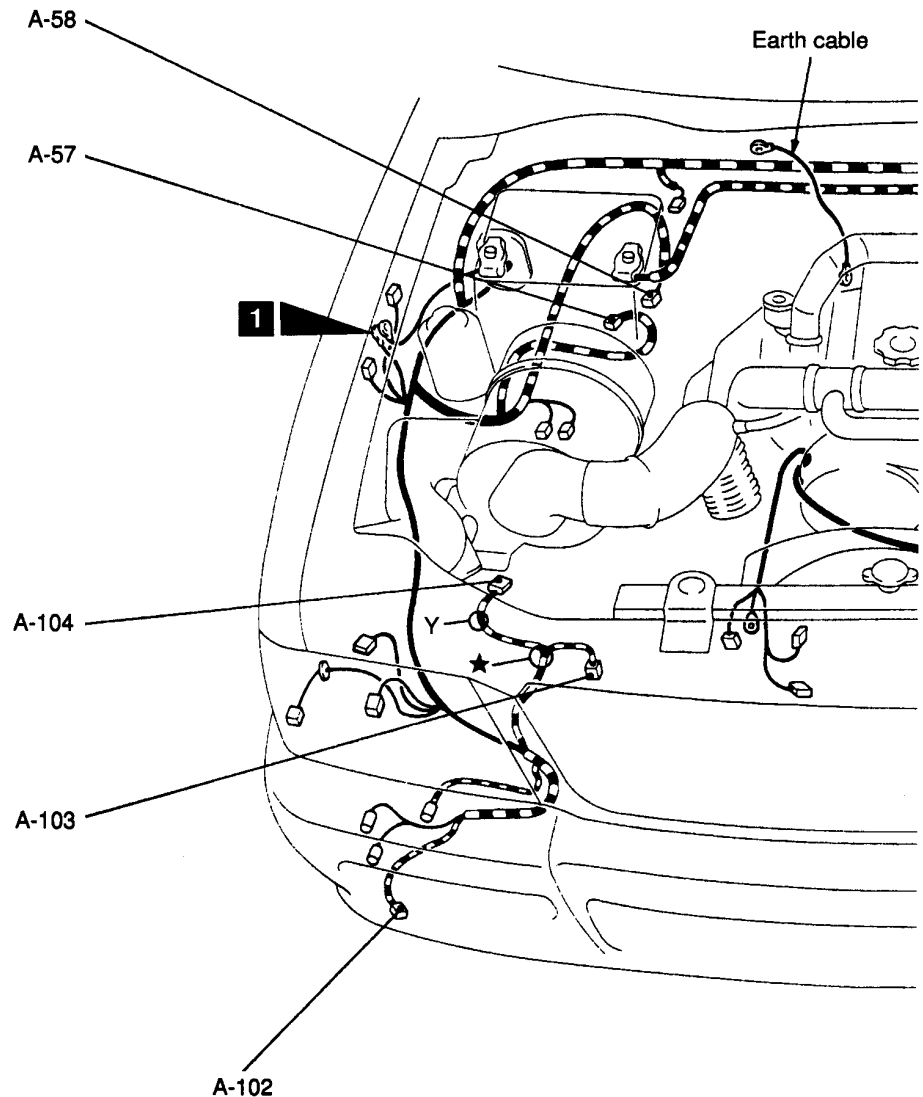


00009392

A-32 (10-B) DRL wiring harness and front wiring harness combination
 A-33 (2-GR) Position lamp (LH)
 A-34 (3-B) Headlamp (LH)
 A-35 (1) Horn (LO)
 A-36 (1) Horn (LO)
 A-37 (2-BR) Front turn-signal lamp (LH)
 A-38 (2-B) Outside thermo sensor <Multi-meter>
 A-39 (3-B) Magnetic clutch and refrigerant temperature switch
 A-40 (1-B) Oil pressure gauge unit
 A-42 (2-B) Engine oil level relay
 A-43 (1) Alternator
 A-44 (2-B) Alternator

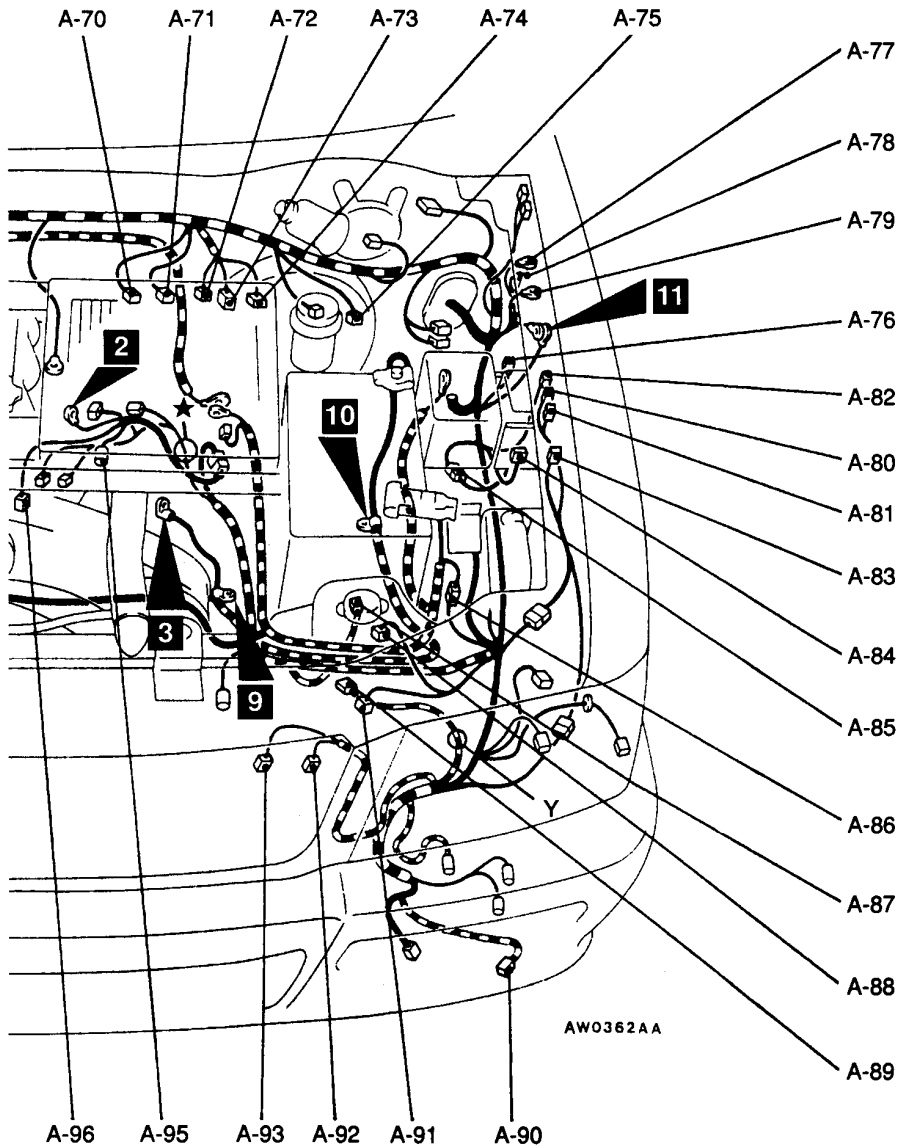
A-45 (2) Engine coolant temperature switch (for A/C compressor control)
 A-46 (1) Engine coolant temperature switch (for condenser fan control)
 A-47 (2-BR) Front turn-signal lamp (RH)
 A-48 (1) Horn (HI)
 A-49 (1) Horn (HI)
 A-50 (3-B) Headlamp (RH)
 A-51 (2-GR) Position lamp (RH)
 A-52 (3) Headlamp leveling unit (RH)
 A-53 (2-B) Solenoid valve A <4WD>
 A-54 (2-B) Solenoid valve B <4WD>
 A-55 (4-B) ABS relay
 A-56 (4-B) Horn relay

Diesel <L.H. drive vehicles>

Connector
symbol**A** -57
thru
-104

A-57 (2-GR)	Free-wheeling hub engage switch <Vehicles with auto-cruise control system>
A-58 (2-GR)	Free-wheeling hub engage switch <Vehicles without auto-cruise control system>
A-70 (2-BR)	Intake air temperature switch
A-71 (2-B)	Intercooler fan motor
A-72 (2-GR)	Fuel line heater
A-73 (2-B)	Water level switch

A-74 (2)	Idle-up solenoid valve <A/C>
A-75 (2-B)	Vacuum switch
A-76 (4-B)	Fuel line heater relay
A-77 (1)	Glow plug relay
A-78 (1-B)	Glow plug relay
A-79 (1)	Glow plug relay
A-80 (4-B)	DRL relay 1
A-81 (4-B)	DRL relay 2
A-82 (4)	Tail lamp relay
A-83 (12-B)	DRL-ECU

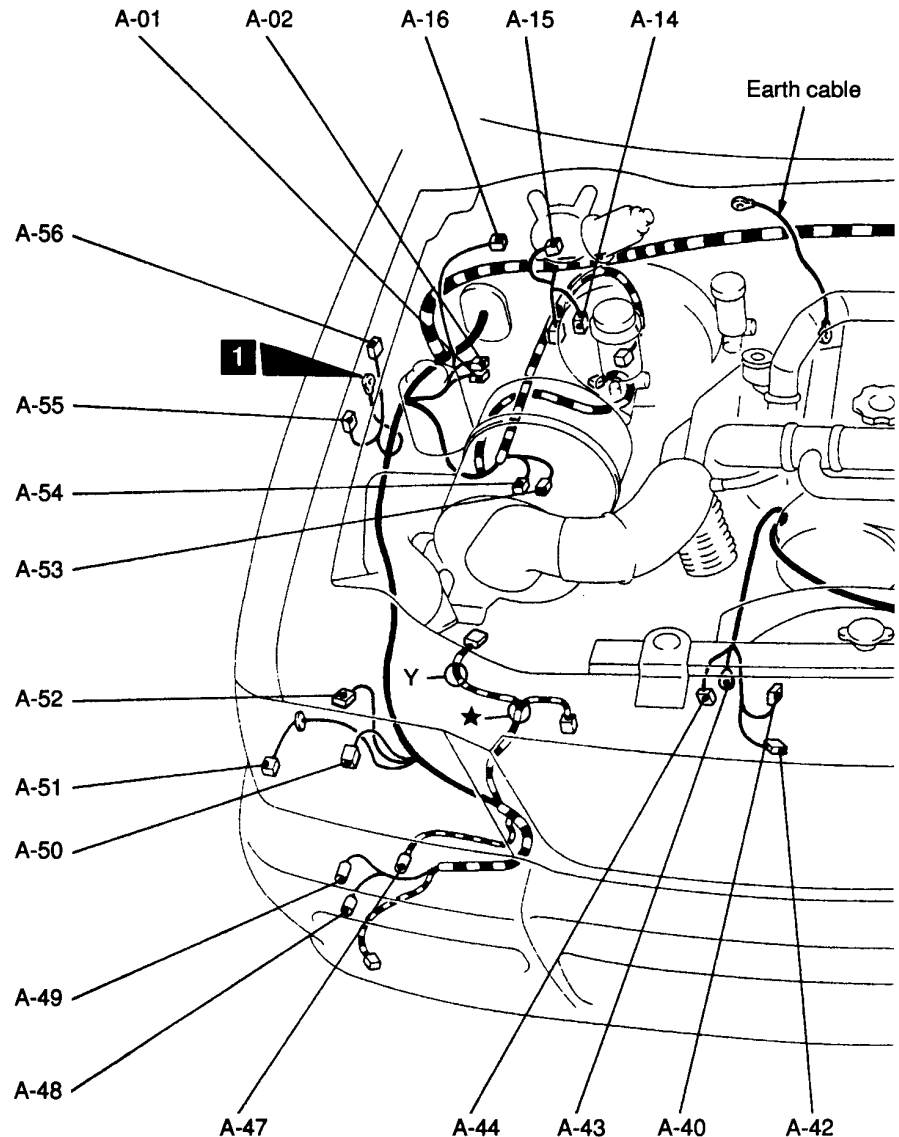


A-84 (6-B)	Headlamp washer relay	A-92 (2-BR)	Dual pressure switch <A/C>
A-85 (10-B)	Front wiring harness and A/C wiring harness combination	A-93 (2-B)	Condenser fan motor <A/C>
A-86 (6)	Battery cable wiring harness and front wiring harness combination	A-94 (2-BR)	Outside air thermo sensor <A/C>
A-87 (2-B)	Wheel speed sensor (front: LH) <ABS>	A-95 (2)	Revolution pick-up sensor
A-88 (2-B)	Headlamp washer motor	A-96 (2)	Engine coolant temperature sensor and gauge unit
A-89 (2-R)	Front impact sensor (LH)	A-102 (2-BR)	Front fog lamp (RH)
A-90 (2-BR)	Front fog lamp (LH)	A-103 (2-B)	Wheel speed sensor (front: RH) <ABS>
A-91 (2-B)	Windshield washer motor	A-104 (2-R)	Front impact sensor (RH)

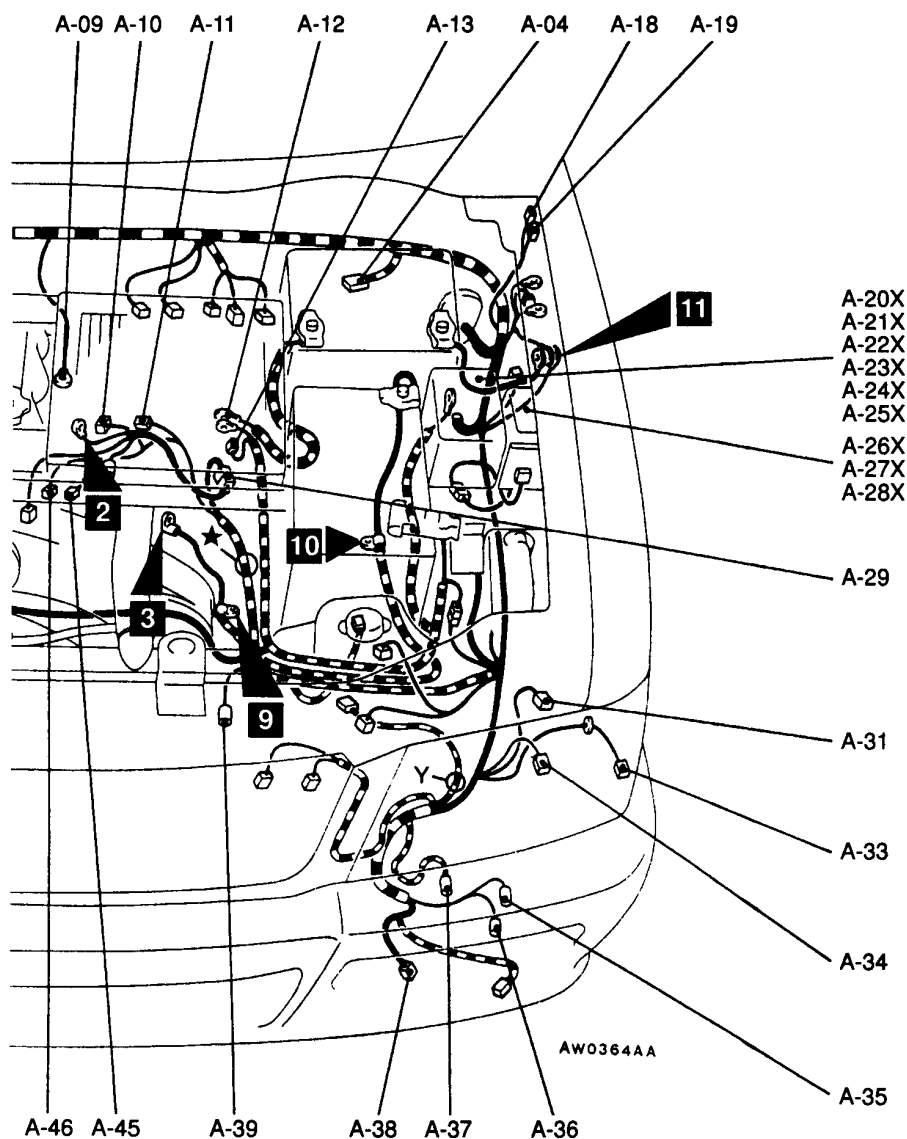
ENGINE COMPARTMENT

80100031509

Diesel <R.H. drive vehicles>

Connector
symbol**A**-01
thru
-56

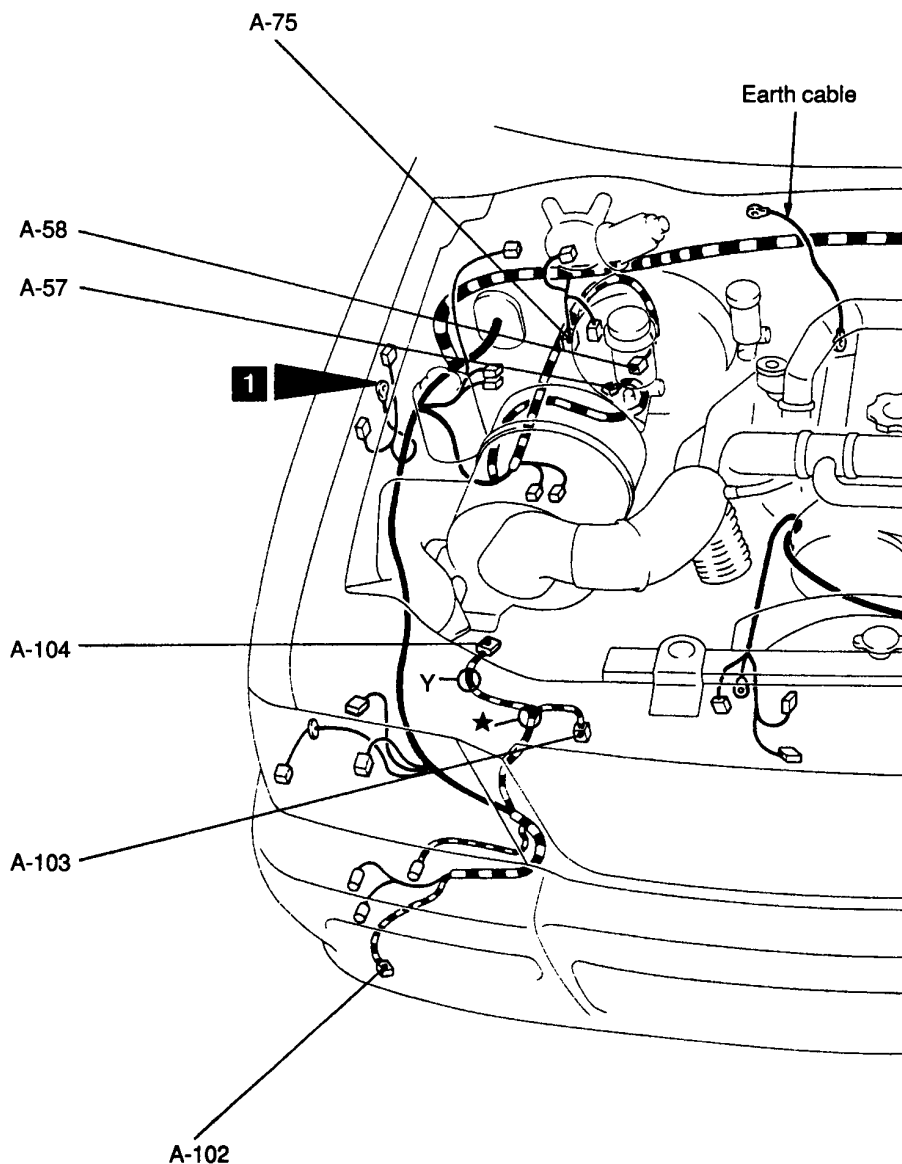
A-01 (26-B)	ABS-ECU	A-20X (4)	Alternator relay
A-02 (4-GR)	ABS-ECU	A-21X (5)	Starter relay
A-04 (4-B)	Auto-cruise control actuator	A-22X (5)	Intercooler fan relay
A-09 (1)	Glow plug	A-23X (5)	Headlamp relay
A-10 (3-B)	Fuel cut valve-controller	A-24X (5)	Blower relay
A-11 (4-B)	Lever (Throttle) position sensor and timer solenoid	A-25X (5)	Storage connector
A-12 (1)	Starter	A-26X (4)	A/C compressor relay <A/C>
A-13 (1-B)	Starter	A-27X (4)	Condenser fan relay <A/C>
A-14 (2-B)	Brake fluid level sensor	A-28X (4)	Condenser fan control relay <A/C>
A-15 (4-B)	Windshield wiper motor	A-29 (6-B)	Fuel injection pump wiring harness and front wiring harness combination
A-16 (2-B)	Wiper deicer	A-31 (3)	Headlamp leveling unit (LH)
A-18 (2-B)	EGR solenoid valve (2)	A-33 (2-GR)	Position lamp (LH)
A-19 (2-B)	EGR solenoid valve (1)	A-34 (3-B)	Headlamp (LH)



A-35 (1)	Horn (LO)
A-36 (1)	Horn (LO)
A-37 (2-BR)	Front turn-signal lamp (LH)
A-38 (2-B)	Outside thermo sensor <Multi-meter>
A-39 (3-B)	Magnetic clutch and refrigerant temperature switch
A-40 (1-B)	Oil pressure gauge unit
A-42 (2-B)	Engine oil level relay
A-43 (1)	Alternator
A-44 (2-B)	Alternator
A-45 (2)	Engine coolant temperature switch (for A/C compressor control)

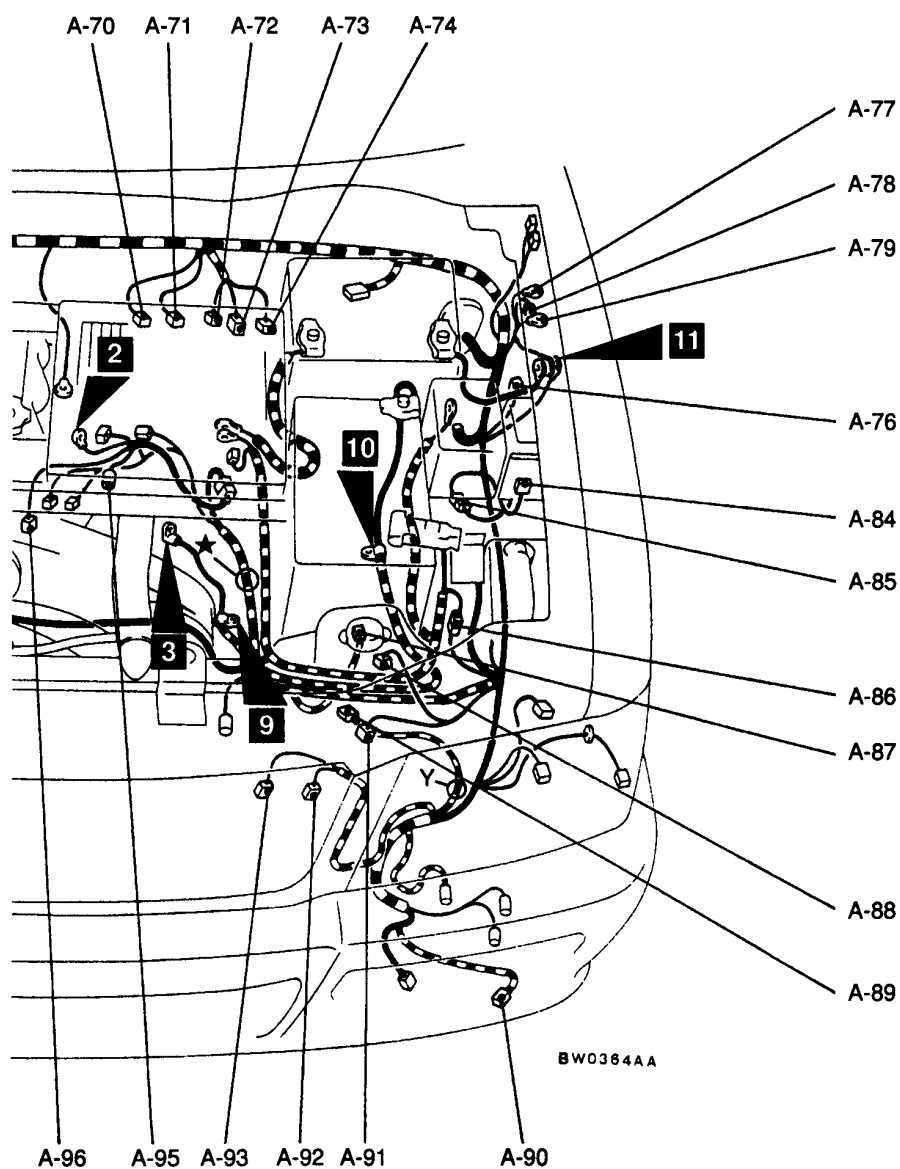
A-46 (1)	Engine coolant temperature switch (for condenser fan control)
A-47 (2-BR)	Front turn-signal lamp (RH)
A-48 (1)	Horn (HI)
A-49 (1)	Horn (HI)
A-50 (3-B)	Headlamp (RH)
A-51 (2-GR)	Position lamp (RH)
A-52 (3)	Headlamp leveling unit (RH)
A-53 (2-B)	Solenoid valve A <4WD>
A-54 (2-B)	Solenoid valve B <4WD>
A-55 (4-B)	ABS relay
A-56 (4-B)	Horn relay

Diesel <R.H. drive vehicles>

Connector
symbol**A**-57
thru
-104

A-57 (2-GR) Free-wheeling hub engage switch
<Vehicles with auto-cruise control
system>
A-58 (2-GR) Free-wheeling hub engage switch
<Vehicles without auto-cruise control
system>
A-70 (2-BR) Intake air temperature switch
A-71 (2-B) Intercooler fan motor
A-72 (2-GR) Fuel line heater
A-73 (2-B) Water level switch

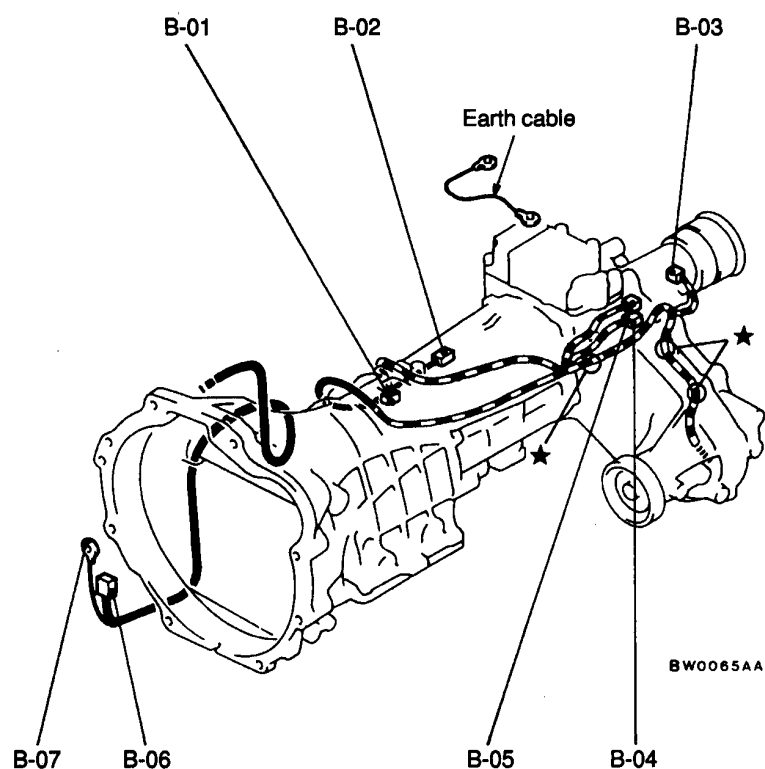
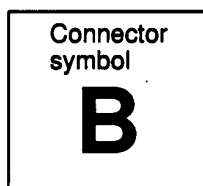
A-74 (2) Idle-up solenoid valve <A/C>
A-75 (2-B) Vacuum switch
A-76 (4-B) Fuel line heater relay
A-77 (1) Glow plug relay
A-78 (1-B) Glow plug relay
A-79 (1) Glow plug relay
A-84 (6-B) Headlamp washer relay
A-85 (10-B) Front wiring harness and A/C wiring
harness combination



A-86 (6)	Battery cable wiring harness and front wiring harness combination	A-93 (2-B)	Condenser fan motor <A/C>
A-87 (2-B)	Wheel speed sensor (fornt: LH) <ABS>	A-95 (2)	Revolution pick-up sensor
A-88 (2-B)	Headlamp washer motor	A-96 (2)	Engine coolant temperature sensor and gauge unit
A-89 (2-R)	Front impact sensor (LH)	A-102 (2-BR)	Front fog lamp (RH)
A-90 (2-BR)	Front fog lamp (LH)	A-103 (2-B)	Wheel speed sensor (front: RH) <ABS>
A-91 (2-B)	Windshield washer motor	A-104 (2-R)	Front impact sensor (RH)
A-92 (2-BR)	Dual pressure switch <A/C>		

TRANSMISSION

80100050139



B-01 (2-B) Back-up lamp switch
 B-02 (4-B) Oxygen sensor
 B-03 (3-B) Vehicles speed sensor
 B-04 (2-GR) High range/Low range detection switch

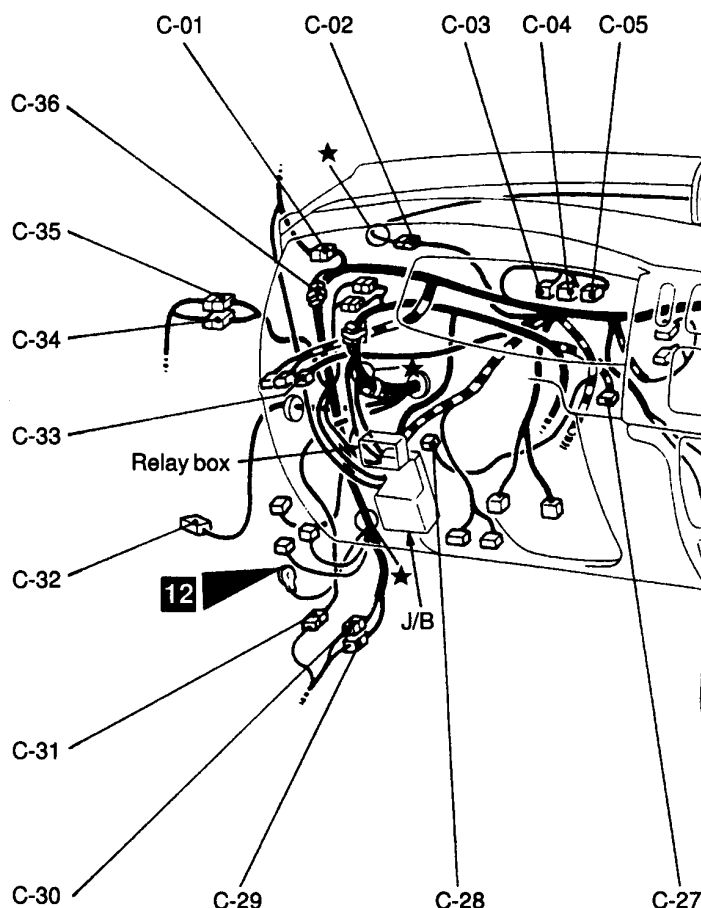
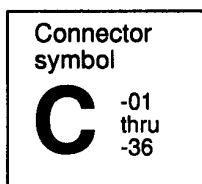
B-05 (2-B) 4WD detection switch
 B-06 (1-B) Starter
 B-07 (1) Starter

NOTES

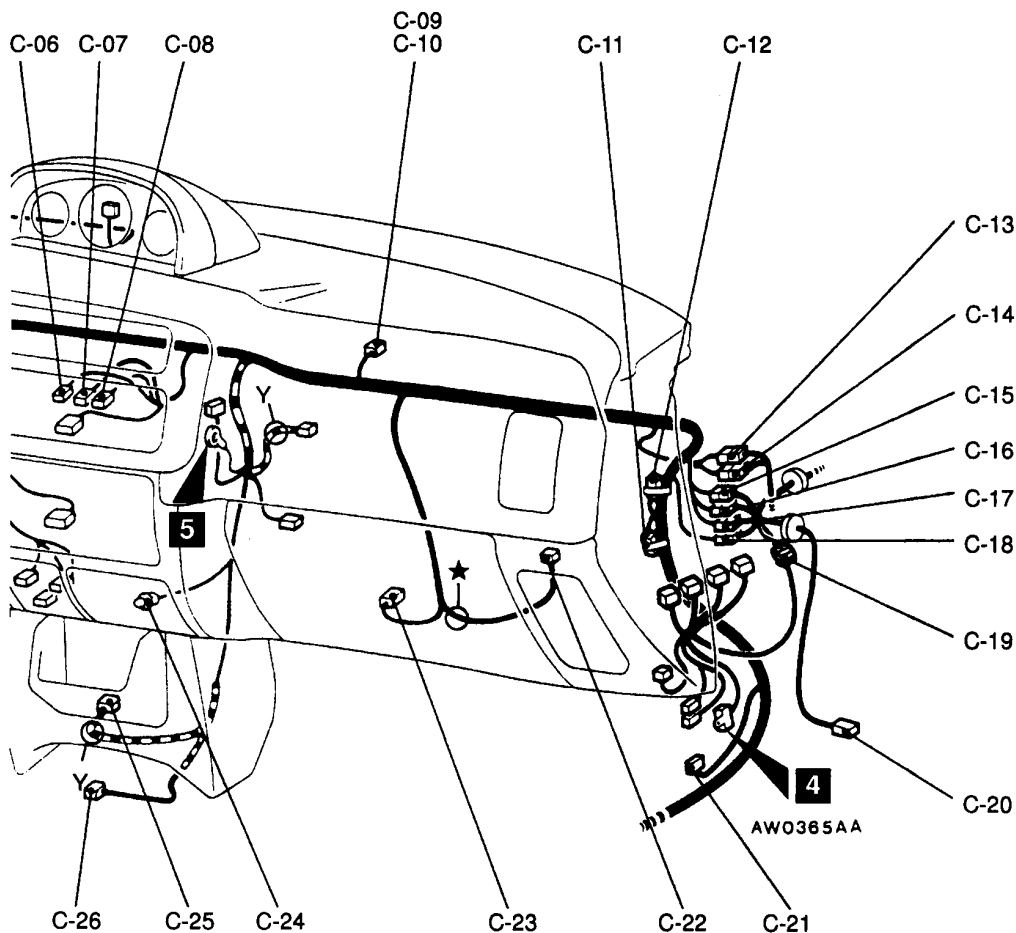
DASH PANEL

80100060804

L.H. drive vehicles

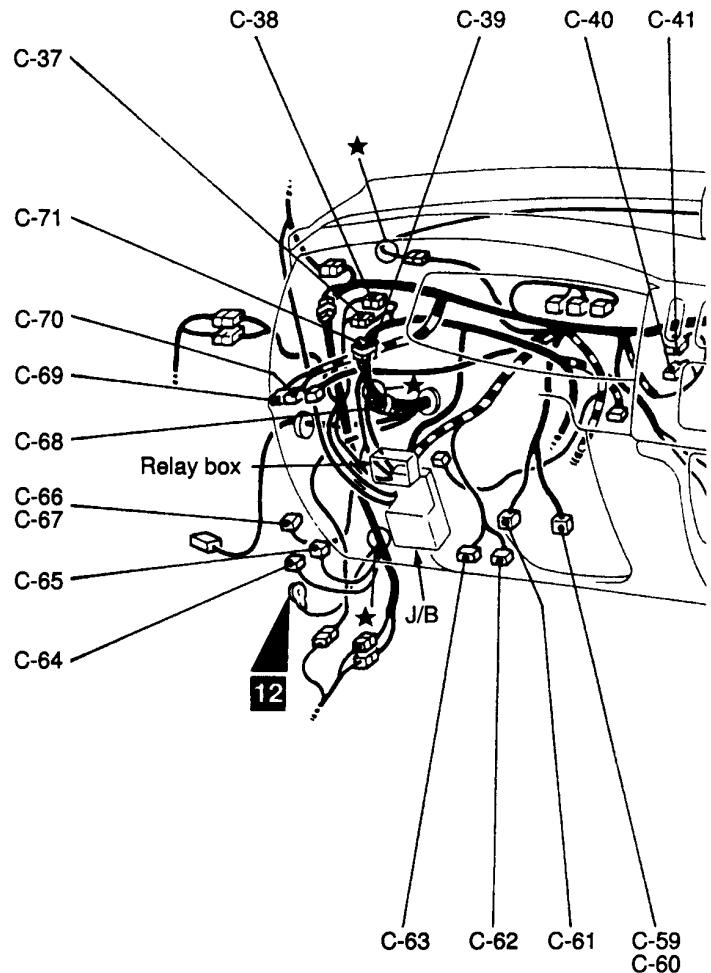
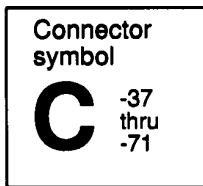


C-01 (20)	Body wiring harness and roof wiring harness combination	C-11 (19)	J/C (1)
C-02 (11)	Body wiring harness and instrument panel wiring harness combination	C-12 (19)	J/C (2)
C-03 (12-B)	Combination meter	C-13 (19)	Body wiring harness and front door wiring harness (passenger's side) combination
C-04 (12)	Combination meter	C-14 (6)	Body wiring harness and front door wiring harness (passenger's side) combination
C-05 (12)	Combination meter	C-15 (12)	Body wiring harness and front wiring harness combination
C-06 (6)	A/C switch	C-16 (1)	Body wiring harness and front wiring harness combination
C-07 (8)	Blower switch	C-17 (22)	Body wiring harness and front wiring harness combination
C-08 (2)	Heater control panel illumination lamp		
C-09 (20-B)	Automatic compressor-controller <Petrol>		
C-10 (3)	Automatic compressor-controller <Diesel>		



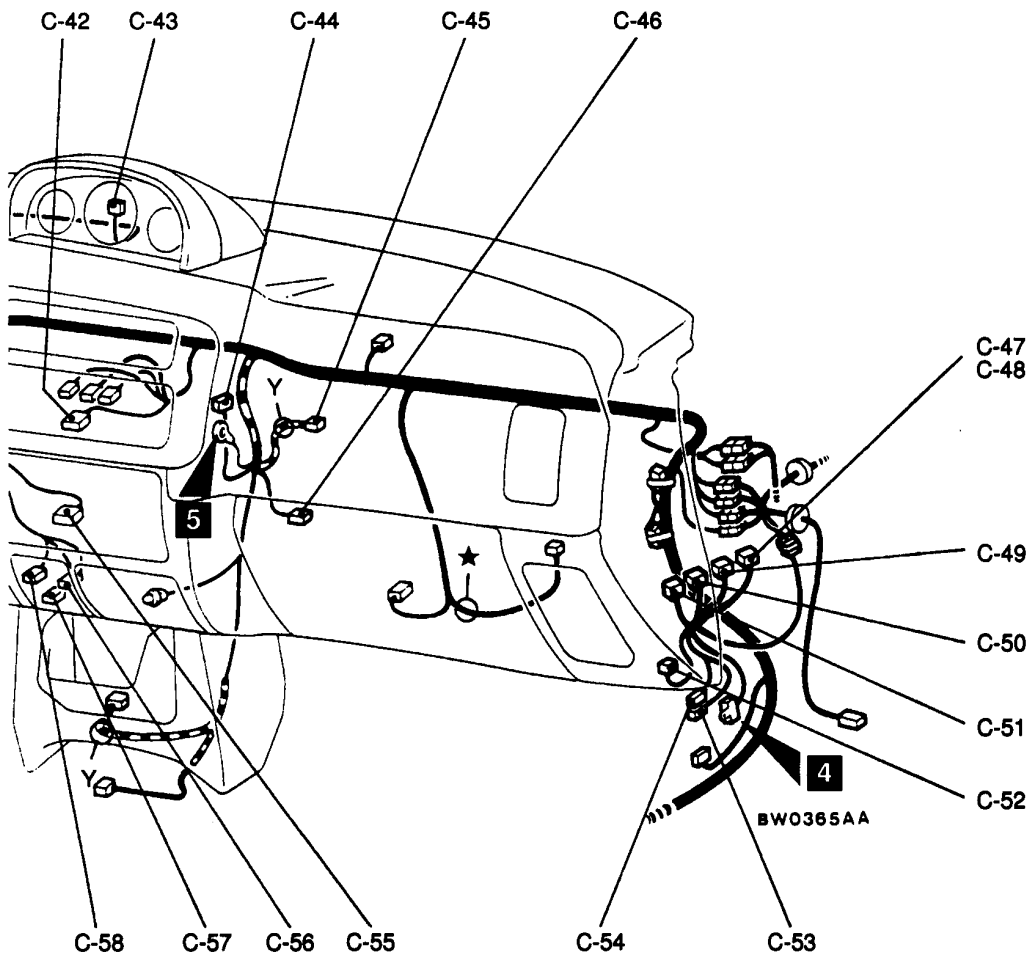
C-18 (17)	Body wiring harness and front wiring harness combination	C-30 (9)	Body wiring harness and transmission wiring harness combination
C-19 (33)	J/C (5)	C-31 (5)	Front wiring harness and transmission wiring harness combination
C-20 (2-GR)	Side turn signal lamp (RH)	C-32 (2-GR)	Side turn signal lamp (LH)
C-21 (10)	4WD indicator-ECU	C-33 (4)	Rheostat
C-22 (2)	Blower motor	C-34 (19)	Body wiring harness and front door wiring harness (driver's side) combination
C-23 (4)	Blower resistor	C-35 (10)	Body wiring harness and front door wiring harness (driver's side) combination
C-24 (2)	Ashtray illumination lamp	C-36 (3-B)	Diode (for rear fog lamp circuit)
C-25 (21-Y)	SRS-ECU		
C-26 (3-B)	G sensor <ABS>		
C-27 (4)	Headlamp leveling switch		
C-28 (12)	Immobilizer-ECU		
C-29 (2)	Body wiring harness and transmission wiring harness combination		

L.H. drive vehicles



C-37 (22)	Body wiring harness and front wiring harness combination
C-38 (6)	Body wiring harness and front wiring harness combination
C-39 (2-B)	Diode (for headlamp circuit)
C-40 (6)	Defogger switch
C-41 (10)	Hazard warning switch
C-42 (4)	Rear heater indicator
C-43 (14)	Multi-meter
C-44 (4)	Rear fog lamp relay
C-45 (2-R)	Air bag module (squib) (passenger's side)

C-46 (2)	Air thermo sensor <A/C>
C-47 (26-G)	Engine-ECU <Petrol>
C-48 (26-Y)	Glow-ECU <Diesel>
C-49 (16-G)	Engine-ECU <Petrol>
C-50 (12-G)	Engine-ECU <Petrol>
C-51 (22-G)	Engine-ECU <Petrol>
C-52 (4)	Intercooler fan-ECU <Diesel>
C-53 (4)	Fuel pump relay <Petrol>
C-54 (4)	Engine control relay <Petrol>
C-55 (14)	Radio and tape player
C-56 (1-B)	Cigarette lighter



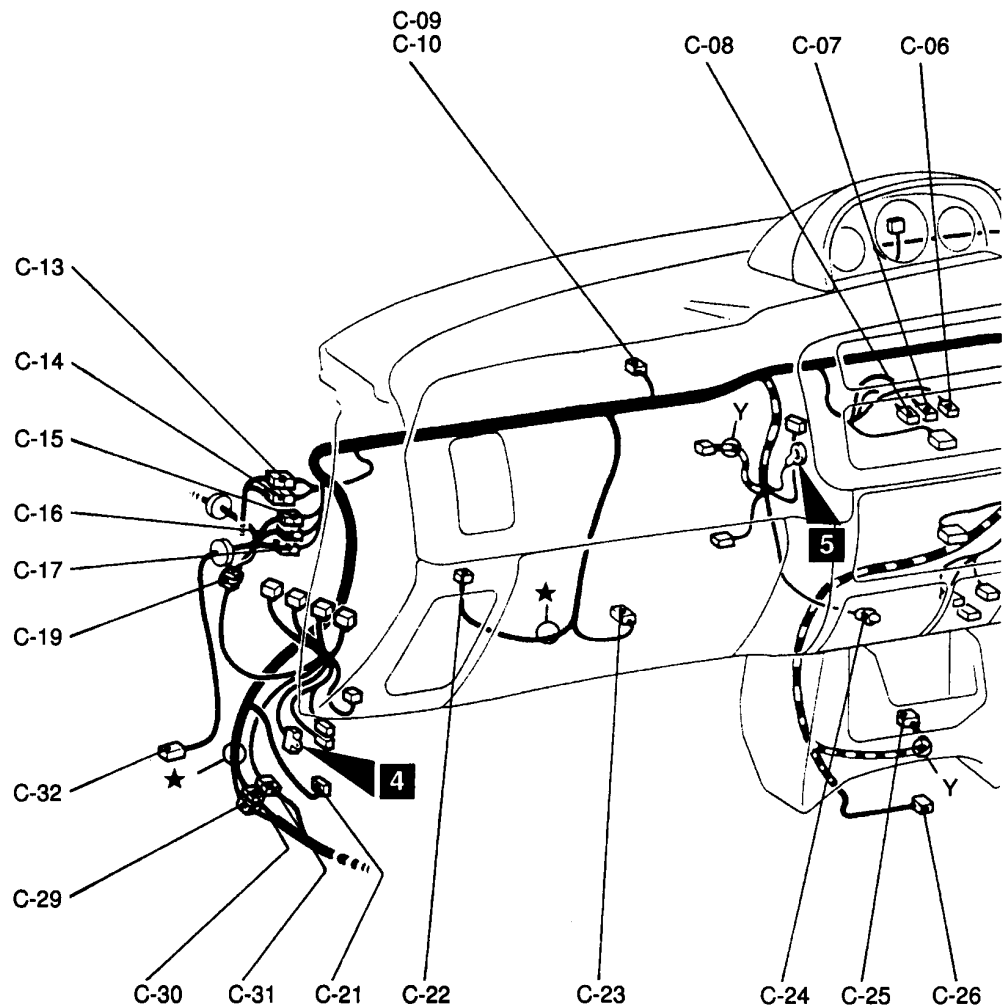
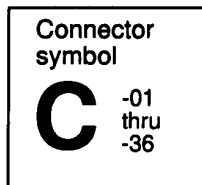
C-57 (2) Cigarette lighter illumination lamp
 C-58 (1) Cigarette lighter
 C-59 (2-B) Stop lamp switch <Vehicles without auto-cruise control system>
 C-60 (4-B) Stop lamp switch <Vehicles with auto-cruise control system>
 C-61 (2) Clutch pedal position switch <Vehicles with auto-cruise control system>
 C-62 (12) Diagnosis connector (2)

C-63 (16-B) Diagnosis connector (1)
 C-64 (16-B) Auto-cruise control-ECU
 C-65 (4-L) Defogger relay
 C-66 (4) Engine oil level relay <Petrol>
 C-67 (4) Engine oil level relay <Diesel>
 C-68 (19) J/C (3)
 C-69 (6) Front fog lamp switch
 C-70 (6-B) Rear fog lamp switch
 C-71 (19) J/C (4)

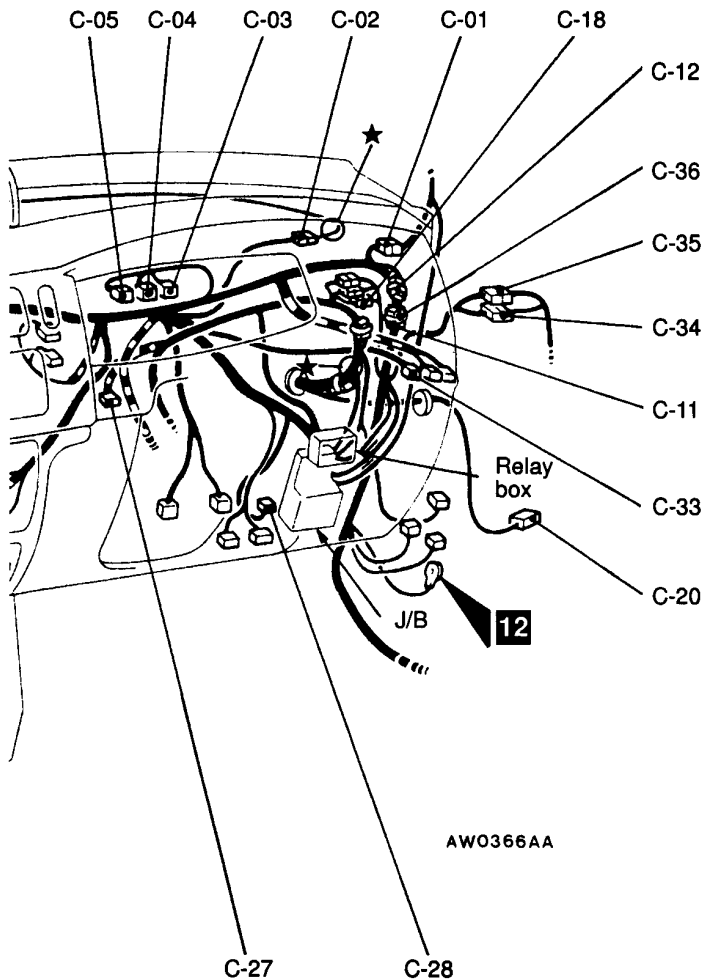
DASH PANEL

80100060811

R.H. drive vehicles

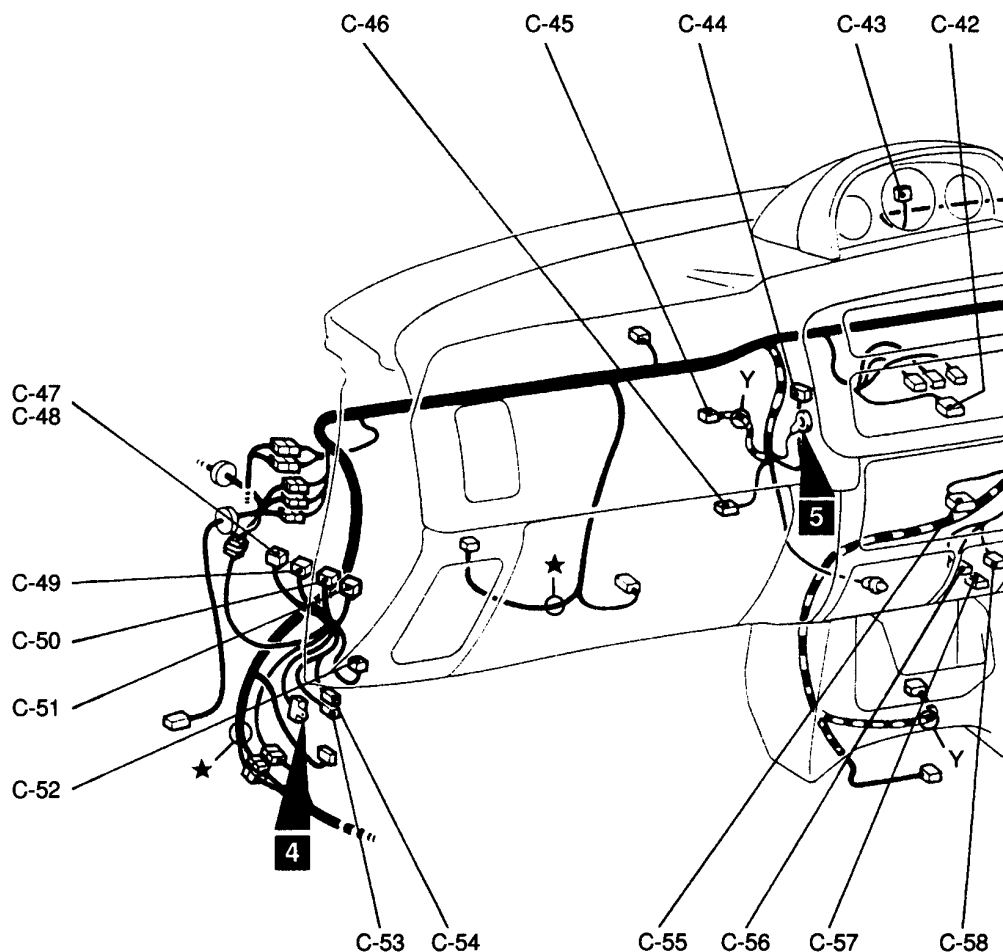
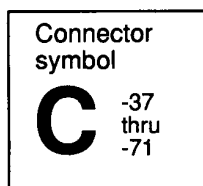


C-01 (20)	Body wiring harness and roof wiring harness combination	C-11 (19)	J/C (1)
C-02 (11)	Body wiring harness and instrument panel wiring harness combination	C-12 (19)	J/C (2)
C-03 (12-B)	Combination meter	C-13 (15)	Body wiring harness and front door wiring harness (passenger's side) combination
C-04 (12)	Combination meter	C-14 (6)	Body wiring harness and front door wiring harness (passenger's side) combination
C-05 (12)	Combination meter	C-15 (12)	Body wiring harness and front wiring harness combination
C-06 (6)	A/C switch	C-16 (1)	Body wiring harness and front wiring harness combination
C-07 (8)	Blower switch	C-17 (22)	Body wiring harness and front wiring harness combination
C-08 (2)	Heater control panel illumination lamp		
C-09 (20-B)	Automatic compressor-controller <Petrol>		
C-10 (3)	Automatic compressor-controller <Diesel>		



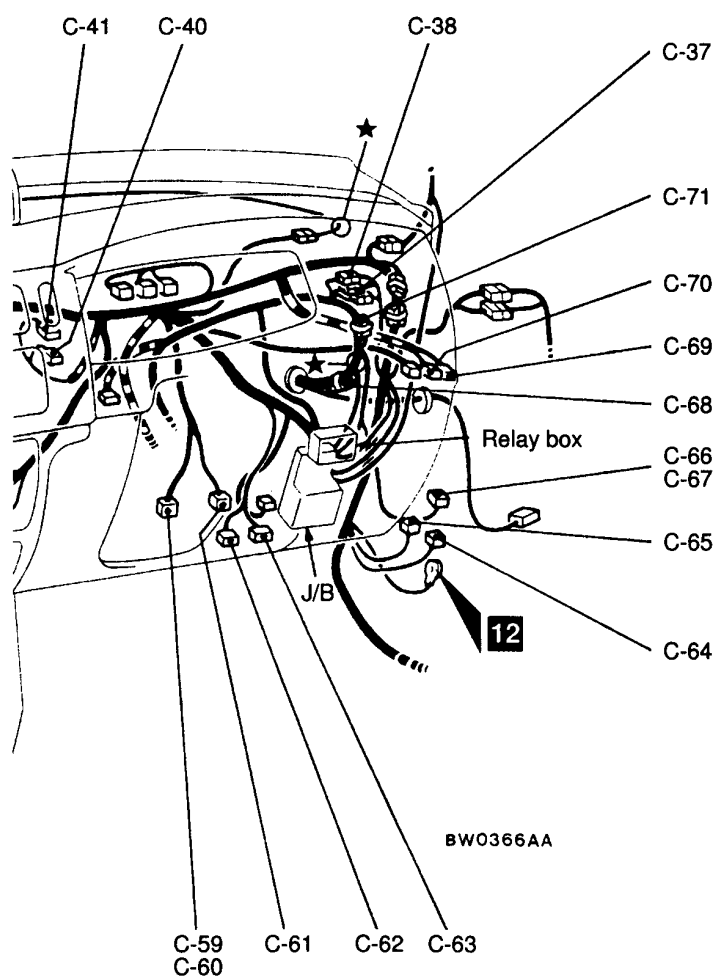
C-18 (17)	Body wiring harness and front wiring harness combination	C-30 (9)	Body wiring harness and transmission wiring harness combination
C-19 (33)	J/C (5)	C-31 (5)	Front wiring harness and transmission wiring harness combination
C-20 (2-GR)	Side turn signal lamp (RH)	C-32 (2-GR)	Side turn signal lamp (LH)
C-21 (10)	4WD indicator-ECU	C-33 (4)	Rheostat
C-22 (2)	Blower motor	C-34 (19)	Body wiring harness and front door wiring harness (driver's side) combination
C-23 (4)	Blower resistor	C-35 (10)	Body wiring harness and front door wiring harness (driver's side) combination
C-24 (2)	Ashtray illumination lamp	C-36 (3-B)	Diode (for rear fog lamp circuit)
C-25 (21-Y)	SRS-ECU		
C-26 (3-B)	G sensor <ABS>		
C-27 (4)	Headlamp leveling switch		
C-28 (12)	Immobilizer-ECU		
C-29 (2)	Body wiring harness and transmission wiring harness combination		

R.H. drive vehicles



C-37 (22)	Body wiring harness and front wiring harness combination
C-38 (6)	Body wiring harness and front wiring harness combination
C-40 (6)	Defogger switch
C-41 (10)	Hazard warning switch
C-42 (4)	Rear heater indicator
C-43 (14)	Multi-meter
C-44 (4)	Rear fog lamp relay
C-45 (2-R)	Air bag module (squib) (passenger's side)

C-46 (2)	Air thermo sensor <A/C>
C-47 (26-G)	Engine-ECU <Petrol>
C-48 (26-Y)	Glow-ECU <Diesel>
C-49 (16-G)	Engine-ECU <Petrol>
C-50 (12-G)	Engine-ECU <Petrol>
C-51 (22-G)	Engine-ECU <Petrol>
C-52 (4)	Intercooler fan-ECU <Diesel>
C-53 (4)	Fuel pump relay <Petrol>
C-54 (4)	Engine control relay <Petrol>
C-55 (14)	Radio and tape player
C-56 (1-B)	Cigarette lighter



C-57 (2)	Cigarette lighter illumination lamp
C-58 (1)	Cigarette lighter
C-59 (2-B)	Stop lamp switch <Vehicles without auto-cruise control system>
C-60 (4-B)	Stop lamp switch <Vehicles with auto-cruise control system>
C-61 (2)	Clutch pedal position switch <Vehicles with auto-cruise control system>
C-62 (12)	Diagnosis connector (2)

C-63 (16-B)	Diagnosis connector (1)
C-64 (16-B)	Auto-cruise control-ECU
C-65 (4-L)	Defogger relay
C-66 (4)	Engine oil level relay <Petrol>
C-67 (4)	Engine oil level relay <Diesel>
C-68 (19)	J/C (3)
C-69 (6)	Front fog lamp switch
C-70 (6-B)	Rear fog lamp switch
C-71 (19)	J/C (4)

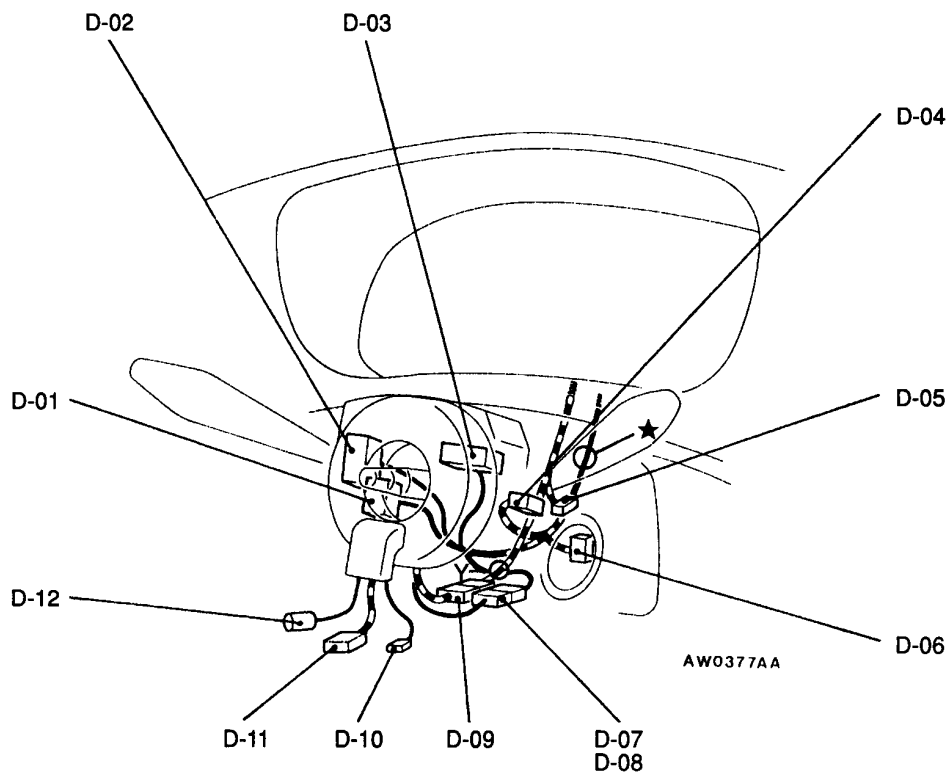
STEERING COLUMN, JUNCTION BLOCK AND RELAY BOX

80100240031

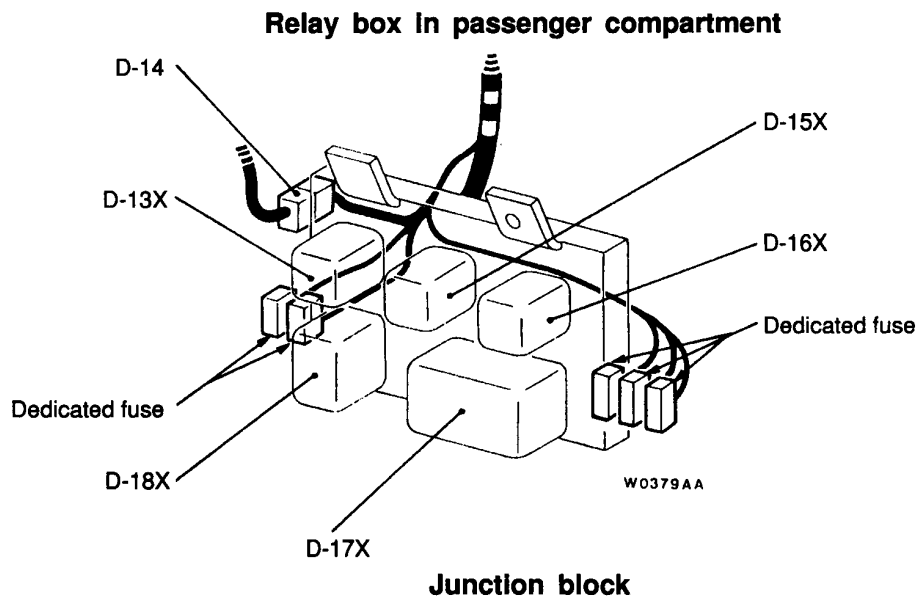
L.H. drive vehicles

Connector
symbol**D**

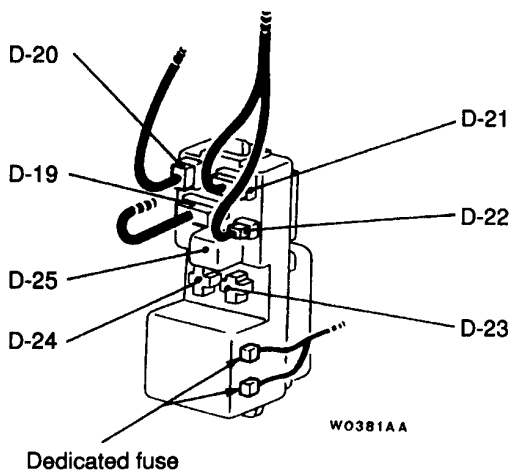
Steering column



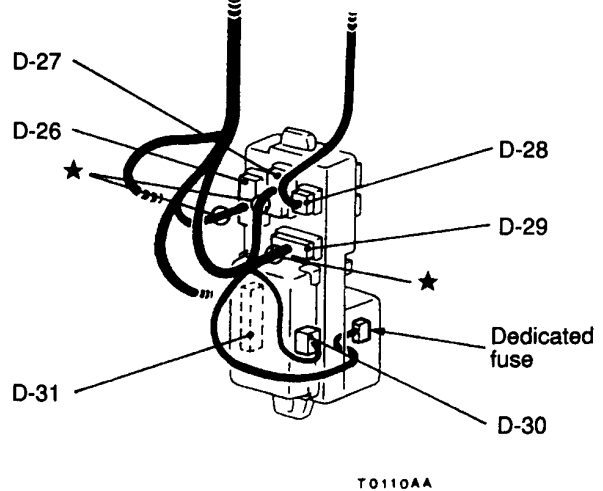
D-01 (6)	Column switch	D-09 (2-R)	Clock spring <SRS>
D-02 (12)	Column switch	D-10 (3-Y)	Auto-cruise control switch
D-03 (10)	Column switch	D-11 (2)	Air bag module (squib) (driver's side)
D-04 (6-B)	Ignition switch	D-12 (1)	Horn switch
D-05 (2)	Ignition key ring antenna	D-13X (4)	Accessory socket relay
D-06 (7)	Key reminder switch	D-14 (19-B)	Body wiring harness and front wiring harness combination
D-07 (3)	Clock spring <Vehicles without auto-cruise control system>		
D-08 (4)	Clock spring <Vehicles with auto-cruise control system>		



<Front side view>



<Rear side view>



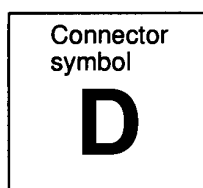
00009393

D-15X (4)	Rear heater relay	D-24 (5)	No connection
D-16X (4)	Power window relay	D-25 (3)	Turn signal and hazard warning flasher unit
D-17X (6)	Defogger timer	D-26 (20)	Body wiring harness and J/B combination
D-18X (8)	Rear intermittent wiper relay	D-27 (16-B)	Body wiring harness and J/B combination
D-19 (16)	Body wiring harness and J/B combination	D-28 (4)	Front wiring harness and J/B combination
D-20 (2)	Roof wiring harness and J/B combination	D-29 (8)	Body wiring harness and J/B combination
D-21 (12)	Front wiring harness and J/B combination	D-30 (8)	ETACS-ECU
D-22 (1)	Front wiring harness and J/B combination	D-31 (12)	ETACS-ECU
D-23 (5)	No connection		

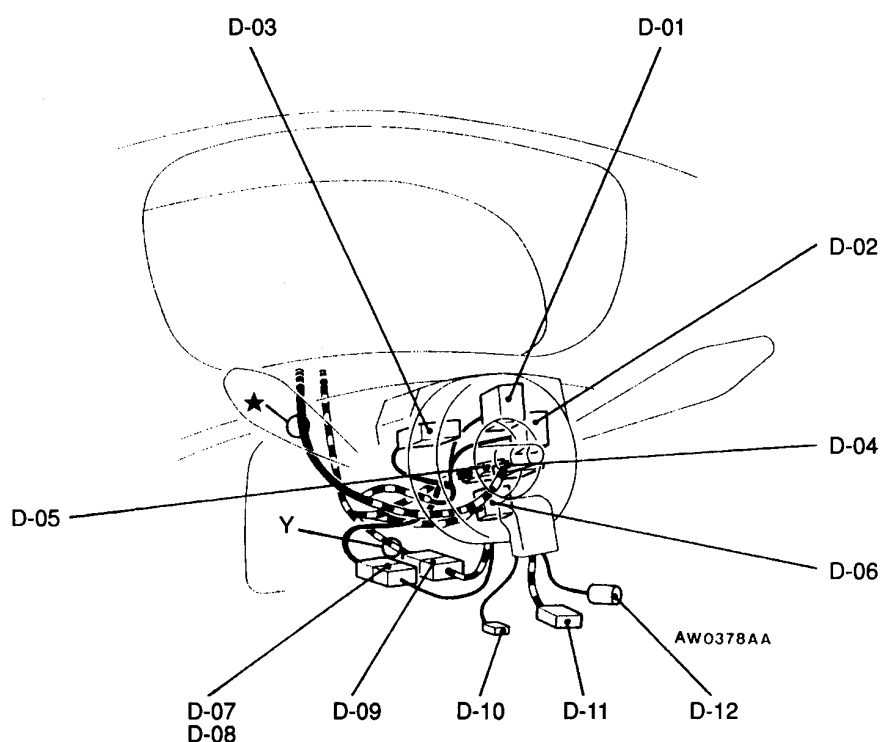
STEERING COLUMN, JUNCTION BLOCK AND RELAY BOX

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R.H. drive vehicles

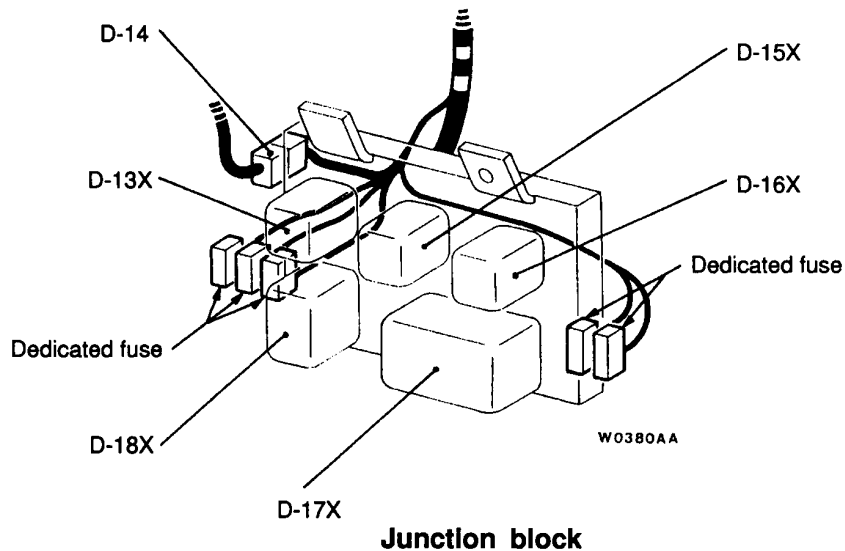


Steering column

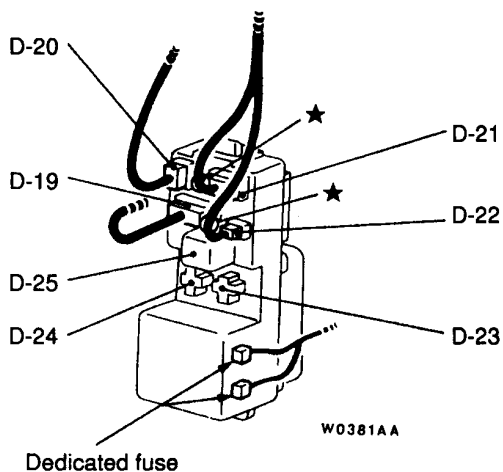


D-01 (6)	Column switch	D-09 (2-R)	Clock spring <SRS>
D-02 (12)	Column switch	D-10 (3-Y)	Auto-cruise control switch
D-03 (10)	Column switch	D-11 (2)	Air bag module (squib) (driver's side)
D-04 (6-B)	Ignition switch	D-12 (1)	Horn switch
D-05 (2)	Ignition key ring antenna	D-13X (4)	Accessory socket relay
D-06 (7)	Key reminder switch	D-14 (19-B)	Body wiring harness and front wiring harness combination
D-07 (3)	Clock spring <Vehicles without auto-cruise control system>		
D-08 (4)	Clock spring <Vehicles with auto-cruise control system>		

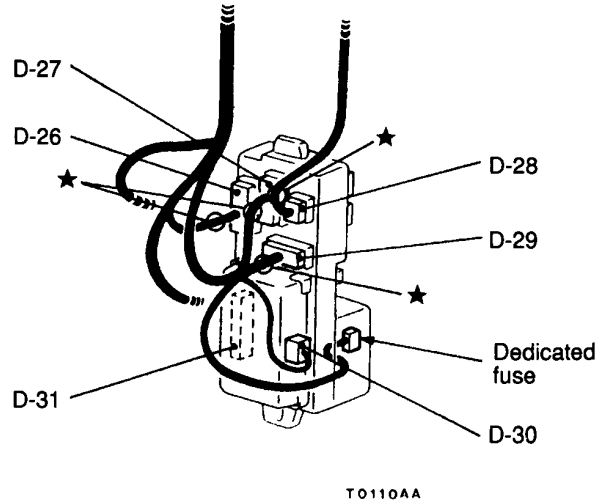
Relay box in passenger compartment



<Front side view>



<Rear side view>



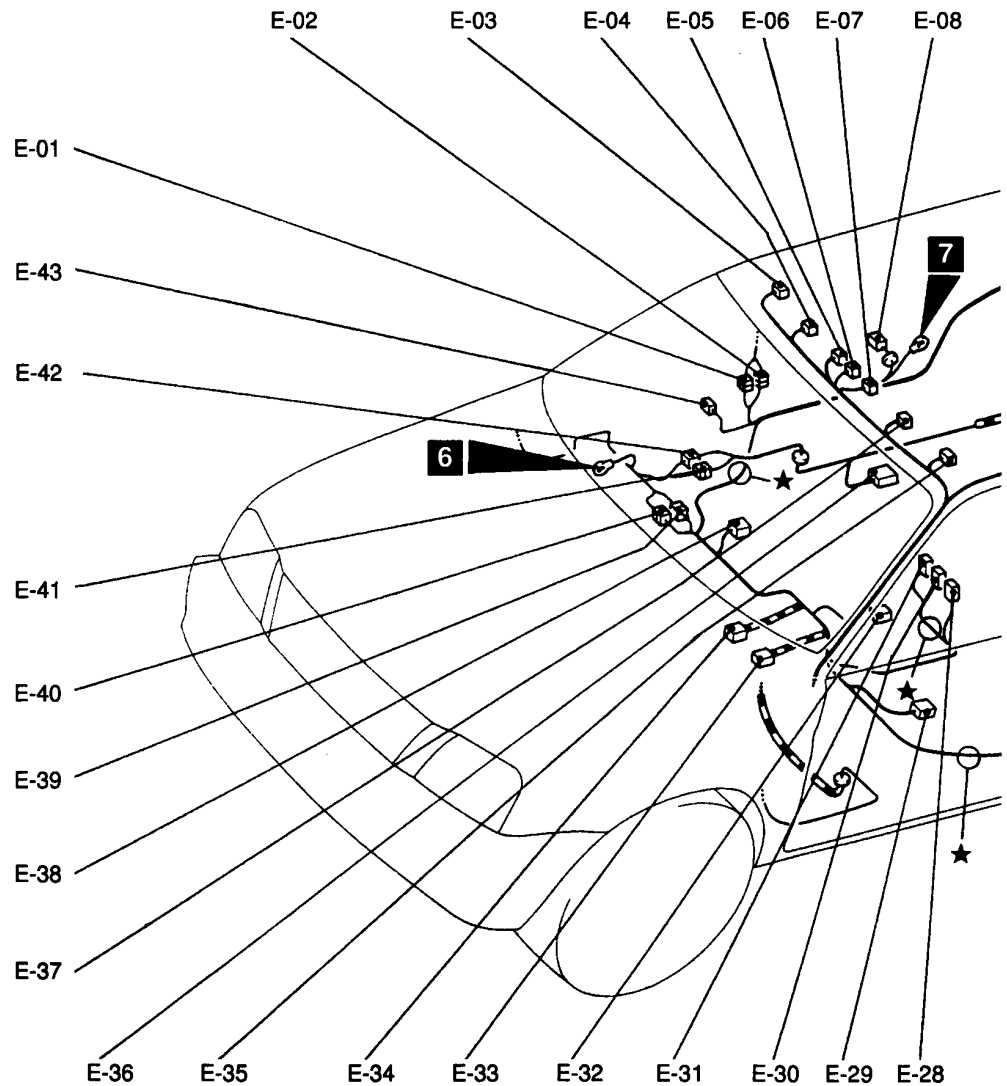
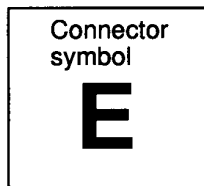
00009394

D-15X (4)	Rear heater relay	D-24 (5)	No connection
D-16X (4)	Power window relay	D-25 (3)	Turn signal and hazard warning flasher unit
D-17X (6)	Defogger timer	D-26 (20)	Body wiring harness and J/B combination
D-18X (8)	Rear intermittent wiper relay	D-27 (16-B)	Body wiring harness and J/B combination
D-19 (16)	Body wiring harness and J/B combination	D-28 (4)	Front wiring harness and J/B combination
D-20 (2)	Roof wiring harness and J/B combination	D-29 (8)	Body wiring harness and J/B combination
D-21 (12)	Front wiring harness and J/B combination	D-30 (8)	ETACS-ECU
D-22 (1)	Front wiring harness and J/B combination	D-31 (12)	ETACS-ECU
D-23 (15)	No connection		

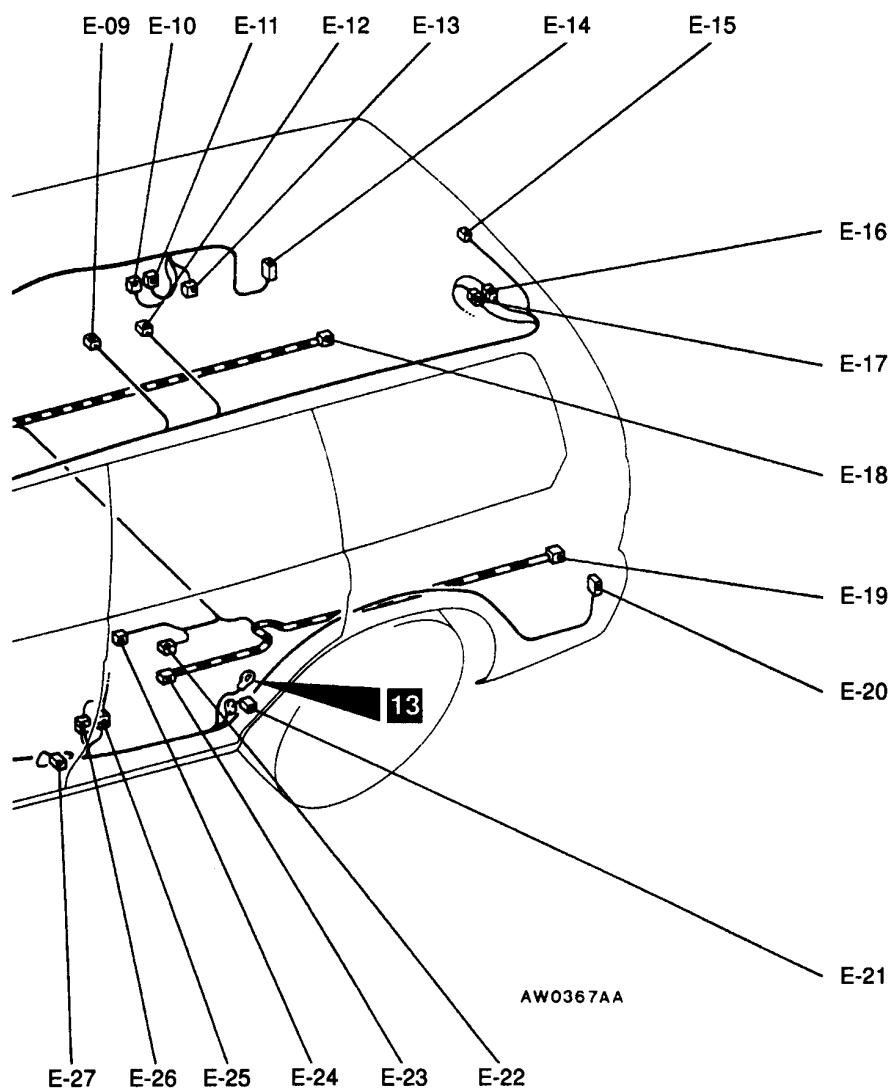
FLOOR AND ROOF

80100090605

L.H. drive vehicles



E-01 (5)	Floor wiring harness and rear door wiring harness (RH) combination	E-13 (2)	Rear washer motor
E-02 (6)	Floor wiring harness and rear door wiring harness (RH) combination	E-14 (6-B)	Rear combination lamp (RH)
E-03 (2)	No connection	E-15 (2)	Luggage room lamp
E-04 (10)	Sunroof-ECU	E-16 (9)	Roof wiring harness and tailgate wiring harness combination
E-05 (6)	Sunroof switch	E-17 (1)	Roof wiring harness and tailgate wiring harness combination
E-06 (4)	Clock	E-18 (2-BR)	Rear fog lamp (RH)
E-07 (2)	Map lamp <Vehicles without sunroof>	E-19 (2-BR)	Rear fog lamp (LH)
E-08 (1-B)	Rear door switch (RH)	E-20 (6-B)	Rear combination lamp (LH)
E-09 (2-GR)	Room lamp <Vehicles without sunroof>	E-21 (1-B)	Rear door switch (LH)
E-10 (1)	Accessory socket	E-22 (2)	Fuel pump
E-11 (1-B)	Accessory socket	E-23 (2-B)	Wheel speed sensor (rear: LH) <ABS>
E-12 (2-GR)	Room lamp <Vehicles with sunroof>	E-24 (3)	Fuel gauge unit

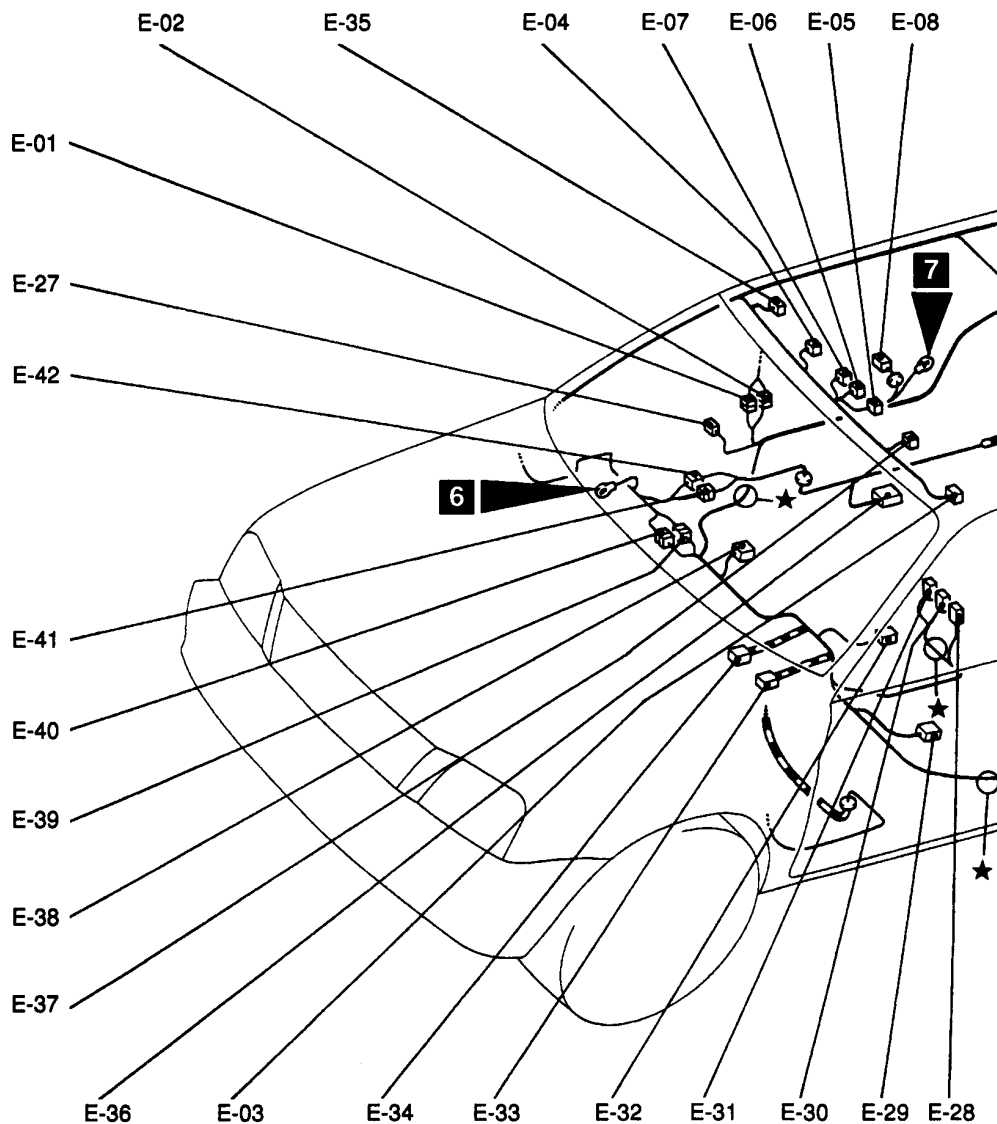
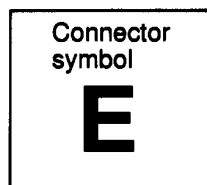


E-25 (5)	Floor wiring harness and rear door wiring harness (LH) combination	E-35 (2)	No connection
E-26 (6)	Floor wiring harness and rear door wiring harness (LH) combination	E-36 (2-B)	Wheel speed sensor (rear: RH) <ABS>
E-27 (2)	Front door switch (driver's side)	E-37 (2)	Sunroof motor
E-28 (4)	Rear fan motor assembly and resistor	E-38 (3-B)	Front seat assembly (RH)
E-29 (3-B)	Front seat assembly (LH)	E-39 (22)	Body wiring harness and floor wiring harness combination
E-30 (6)	Rear heater switch	E-40 (19)	Body wiring harness and floor wiring harness combination
E-31 (2)	Rear heater control panel illumination lamp	E-41 (20)	Body wiring harness and frame wiring harness combination
E-32 (1-B)	Parking brake switch	E-42 (6)	Body wiring harness and frame wiring harness combination
E-33 (6)	Heated seat switch (LH)	E-43 (2)	Front door switch (passenger's side)
E-34 (6)	Heated seat switch (RH)		

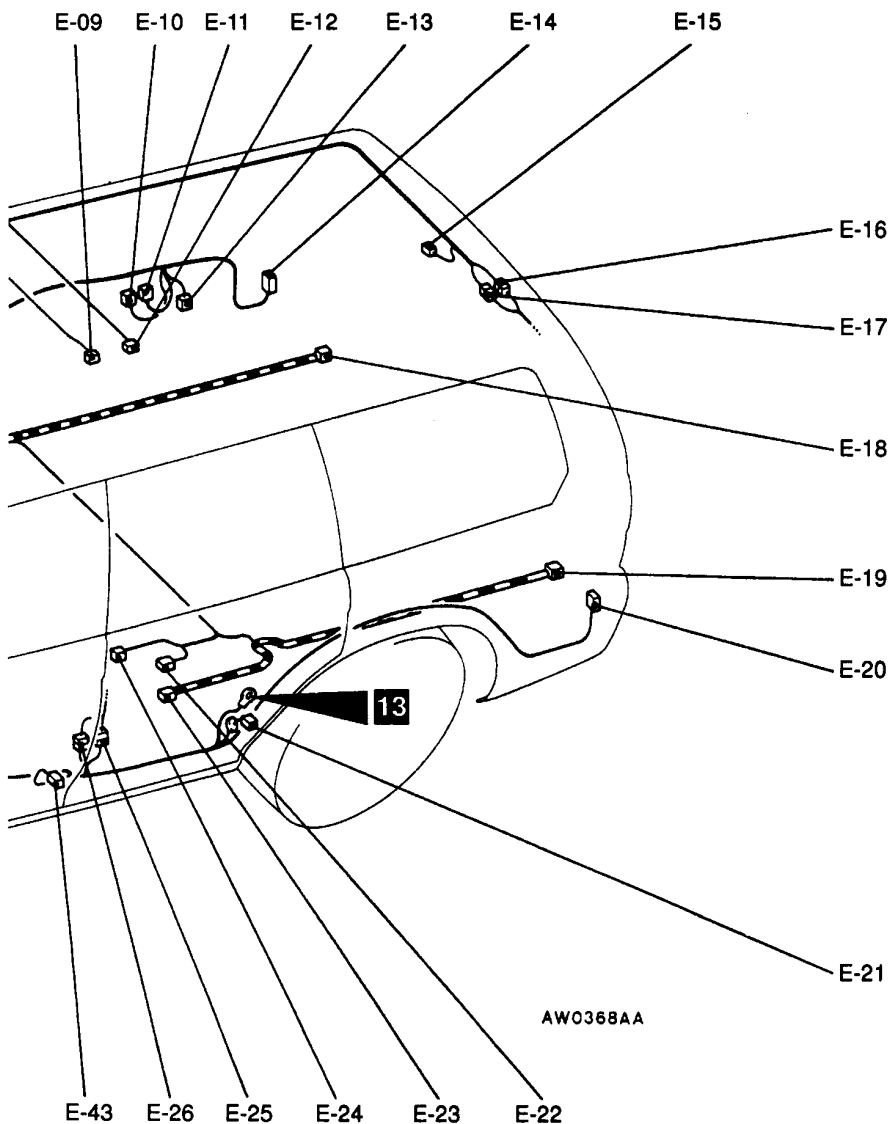
FLOOR AND ROOF

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R.H. drive vehicles



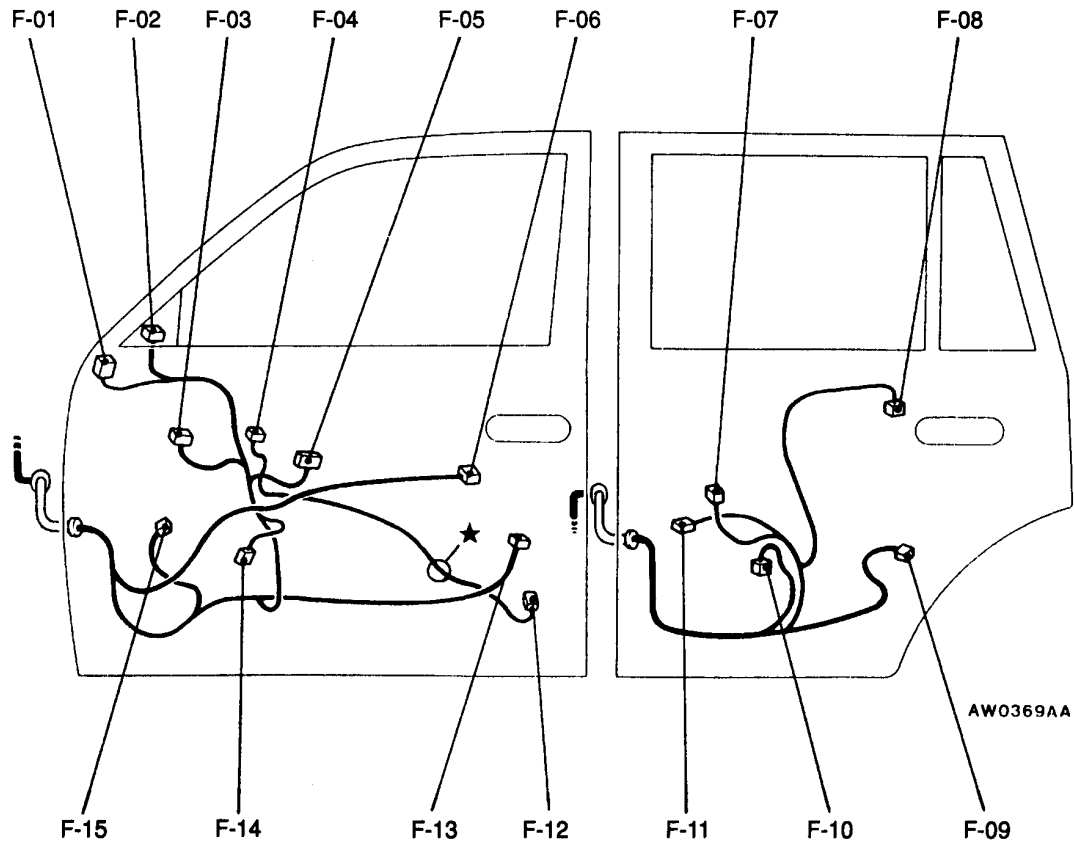
E-01 (5)	Floor wiring harness and rear door wiring harness (RH) combination	E-13 (2)	Rear washer motor
E-02 (6)	Floor wiring harness and rear door wiring harness (RH) combination	E-14 (6-B)	Rear combination lamp (RH)
E-03 (2)	No connection	E-15 (2)	Luggage room lamp
E-04 (10)	Sunroof-ECU	E-16 (9)	Roof wiring harness and tailgate wiring harness combination
E-05 (6)	Sunroof switch	E-17 (1)	Roof wiring harness and tailgate wiring harness combination
E-06 (4)	Clock	E-18 (2-BR)	Rear fog lamp (RH)
E-07 (2)	Map lamp <Vehicles without sunroof>	E-19 (2-BR)	Rear fog lamp (LH)
E-08 (1-B)	Rear door switch (RH)	E-20 (6-B)	Rear combination lamp (LH)
E-09 (2-GR)	Room lamp <Vehicles without sunroof>	E-21 (1-B)	Rear door switch (LH)
E-10 (1)	Accessory socket	E-22 (2)	Fuel pump
E-11 (1-B)	Accessory socket	E-23 (2-B)	Wheel speed sensor (rear: LH) <ABS>
E-12 (2-GR)	Room lamp <Vehicles with sunroof>	E-24 (3)	Fuel gauge unit



E-25 (5)	Floor wiring harness and rear door wiring harness (LH) combination	E-35 (2)	No connection
E-26 (6)	Floor wiring harness and rear door wiring harness (LH) combination	E-36 (2-B)	Wheel speed sensor (rear: RH) <ABS>
E-27 (2)	Front door switch (driver's side)	E-37 (2)	Sunroof motor
E-28 (4)	Rear fan motor assembly and resistor	E-38 (3-B)	Front seat assembly (RH)
E-29 (3-B)	Front seat assembly (LH)	E-39 (22)	Body wiring harness and floor wiring harness combination
E-30 (6)	Rear heater switch	E-40 (19)	Body wiring harness and floor wiring harness combination
E-31 (2)	Rear heater control panel illumination lamp	E-41 (20)	Body wiring harness and frame wiring harness combination
E-32 (1-B)	Parking brake switch	E-42 (6)	Body wiring harness and frame wiring harness combination
E-33 (6)	Heated seat switch (LH)	E-43 (2)	Front door switch (passenger's side)
E-34 (6)	Heated seat switch (RH)		

DOOR

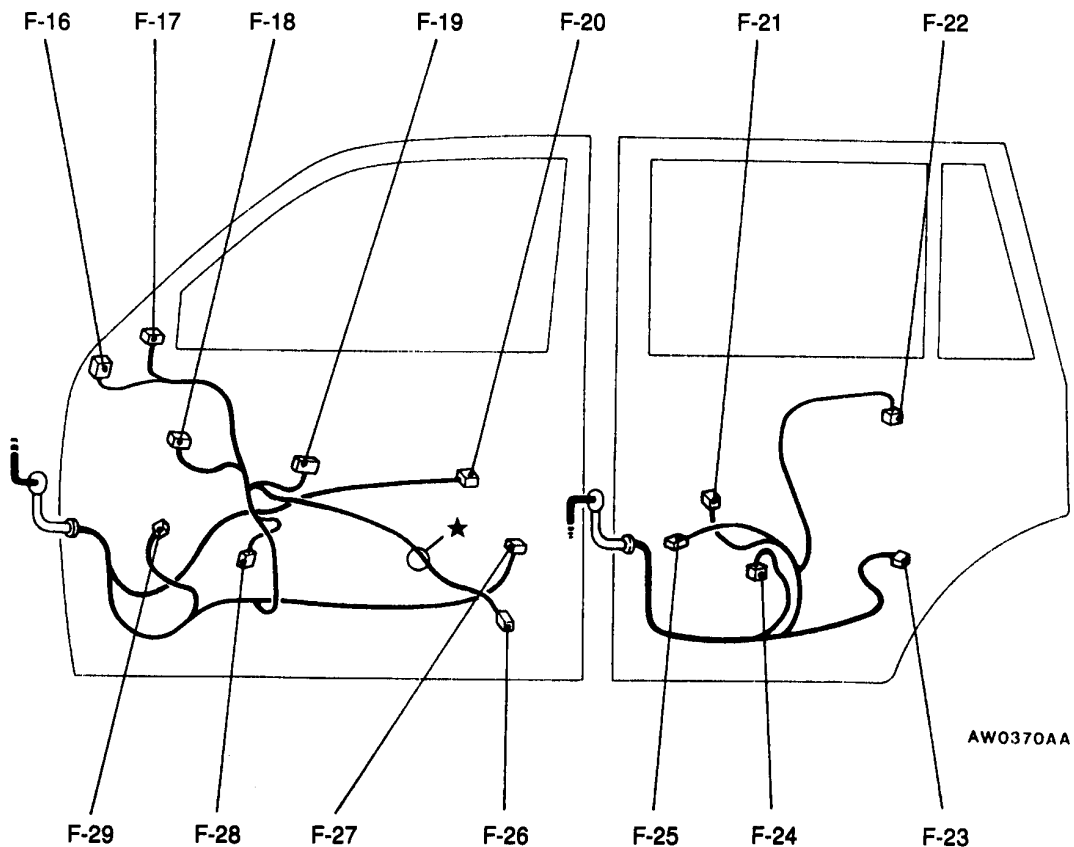
80100140560

L.H. drive vehiclesConnector
symbol**F****Driver's side**

F-01 (7) Remote controlled mirror (LH) <Vehicles with mirror heater>
 F-02 (3) Remote controlled mirror (LH) <Vehicles without mirror heater>
 F-03 (2) Power window motor (front: LH)
 F-04 (9) Remote controlled mirror switch
 F-05 (10) Power window main switch
 F-06 (3) Door lock key cylinder switch (LH)
 F-07 (8) Power window sub switch

F-08 (5) Door lock actuator (rear: LH)
 F-09 (2-B) Rear door speaker (LH)
 F-10 (2) Power window motor (rear: LH)
 F-11 (2) Power window limit switch (rear: LH)
 F-12 (2) Door lamp (LH)
 F-13 (6-B) Door lock actuator (front: LH)
 F-14 (2) Power window limit switch (front: LH)
 F-15 (2-B) Front door speaker (LH)

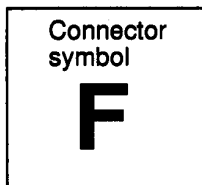
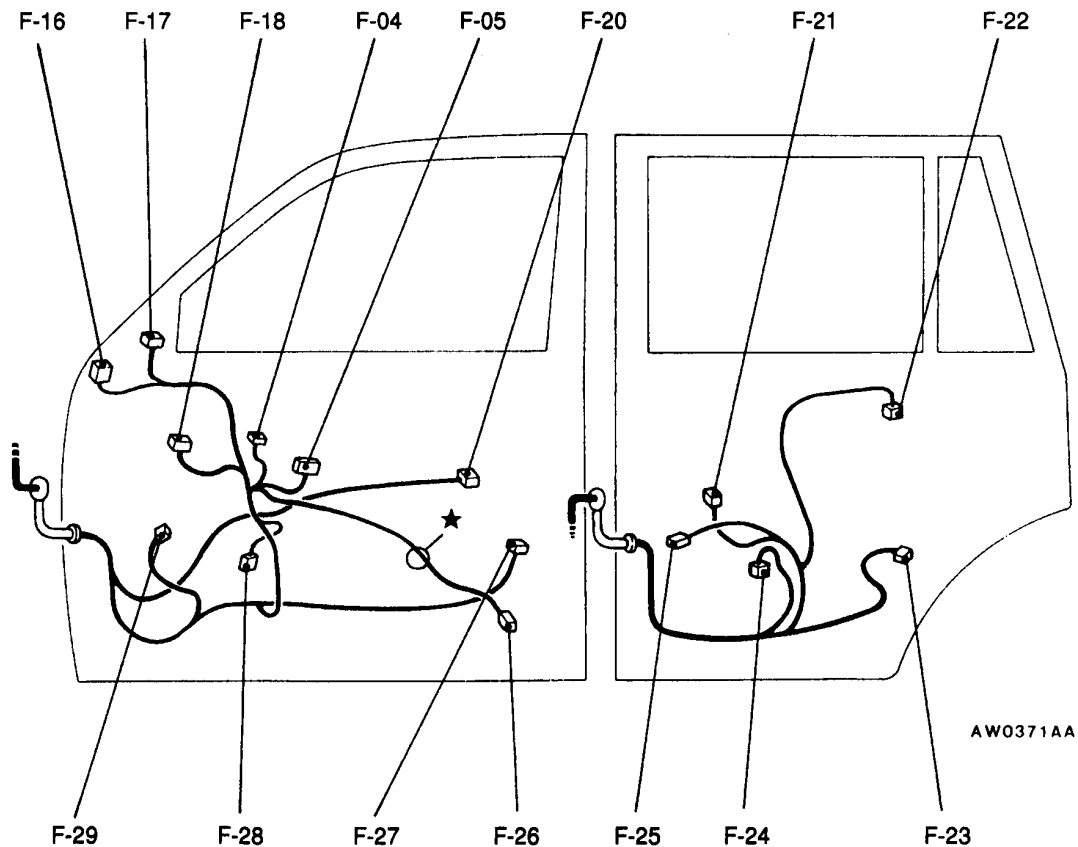
Passenger's side



F-16 (7)	Remote controlled mirror switch (RH) <Vehicles with mirror heater>	F-22 (5)	Door lock actuator (rear: RH)
F-17 (3)	Remote controlled mirror switch (RH) <Vehicles without mirror heater>	F-23 (2-B)	Rear door speaker (RH)
F-18 (2)	Power window motor (front: RH)	F-24 (2)	Power window motor (rear: RH)
F-19 (8)	Power window sub switch (front passenger's side)	F-25 (2)	Power window limit switch (rear: RH)
F-20 (3)	Door lock key cylinder switch (RH)	F-26 (2)	Door lamp (RH)
F-21 (8)	Power window sub switch	F-27 (6-B)	Door lock actuator (front: RH)
		F-28 (2)	Power window limit switch (front: RH)
		F-29 (2-B)	Front door speaker (RH)

DOOR

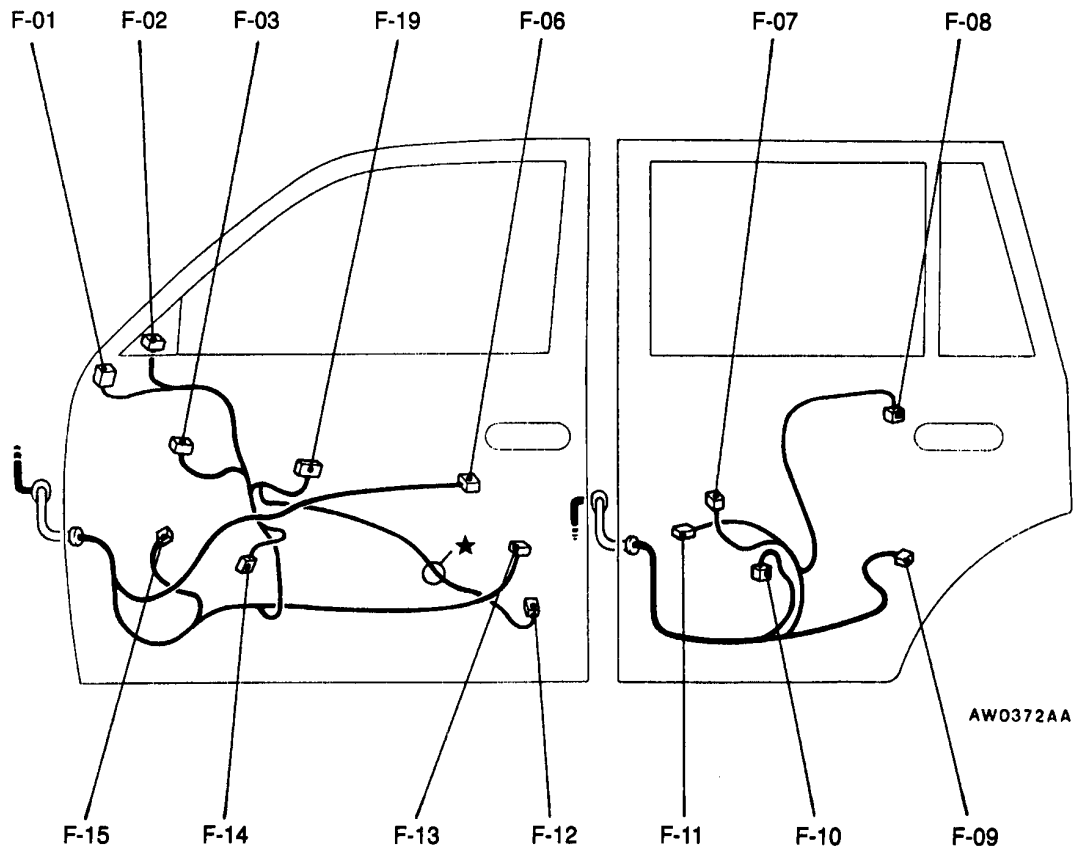
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R.H. drive vehicles**Driver's side**

- F-01 (7) Remote controlled mirror (LH) <Vehicles with mirror heater>
- F-02 (3) Remote controlled mirror (LH) <Vehicles without mirror heater>
- F-03 (2) Power window motor (front: LH)
- F-04 (9) Remote controlled mirror switch
- F-05 (10) Power window main switch
- F-06 (3) Door lock key cylinder switch (LH)
- F-07 (8) Power window sub switch

- F-08 (5) Door lock actuator (rear: LH)
- F-09 (2-B) Rear door speaker (LH)
- F-10 (2) Power window motor (rear: LH)
- F-11 (2) Power window limit switch (rear: LH)
- F-12 (2) Door lamp (LH)
- F-13 (6-B) Door lock actuator (front: LH)
- F-14 (2) Power window limit switch (front: LH)
- F-15 (2-B) Front door speaker (LH)

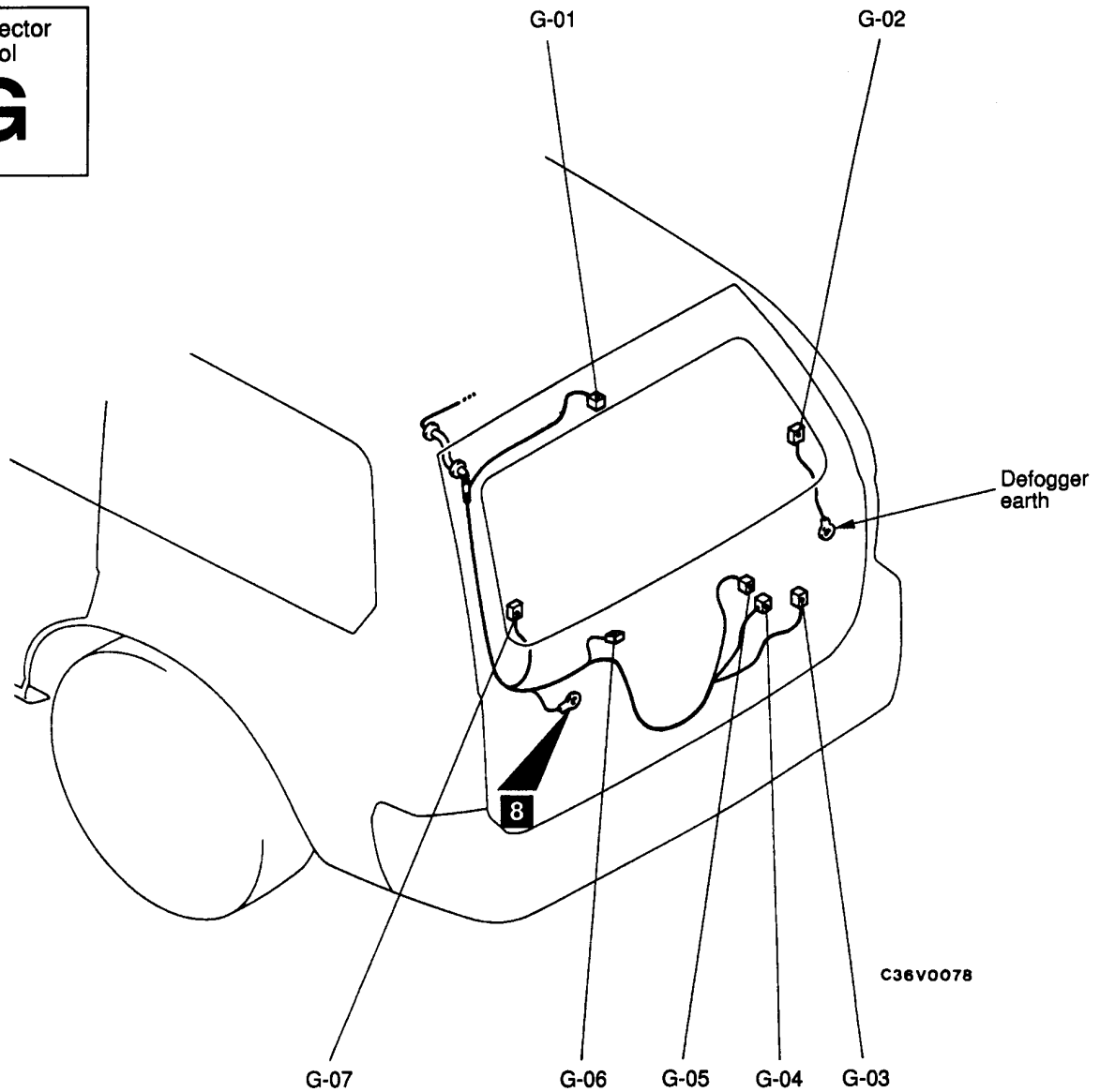
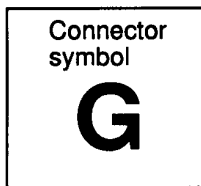
Passenger's side



F-16 (7)	Remote controlled mirror switch (RH) <Vehicles with mirror heater>	F-22 (5)	Door lock actuator (rear: RH)
F-17 (3)	Remote controlled mirror switch (RH) <Vehicles without mirror heater>	F-23 (2-B)	Rear door speaker (RH)
F-18 (2)	Power window motor (front: RH)	F-24 (2)	Power window motor (rear: RH)
F-19 (8)	Power window sub switch (front passenger's side)	F-25 (2)	Power window limit switch (rear: RH)
F-20 (3)	Door lock key cylinder switch (RH)	F-26 (2)	Door lamp (RH)
F-21 (8)	Power window sub switch	F-27 (6-B)	Door lock actuator (front: RH)
		F-28 (2)	Power window limit switch (front: RH)
		F-29 (2-B)	Front door speaker (RH)

TAILGATE

80100190022



G-01 (2) High-mounted stop lamp
 G-02 (1-B) Defogger (-)
 G-03 (1-B) Tailgate switch
 G-04 (5) Door lock actuator (tailgate)

G-05 (4) Rear wiper motor
 G-06 (2) Licence plate lamp
 G-07 (1-B) Defogger (+)

SINGLE PART INSTALLATION POSITION

CONTENTS

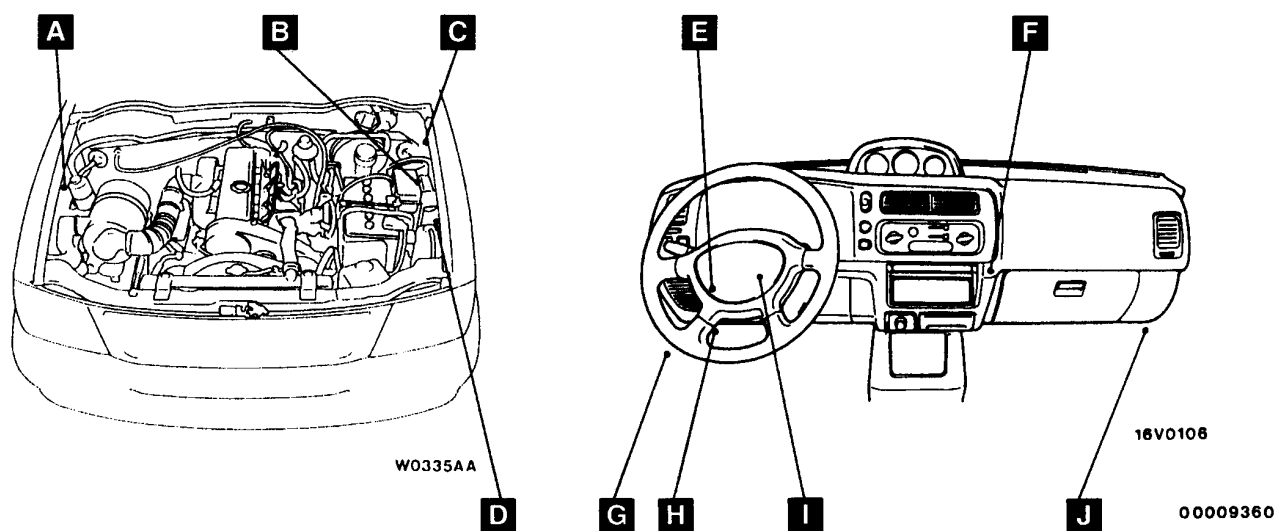
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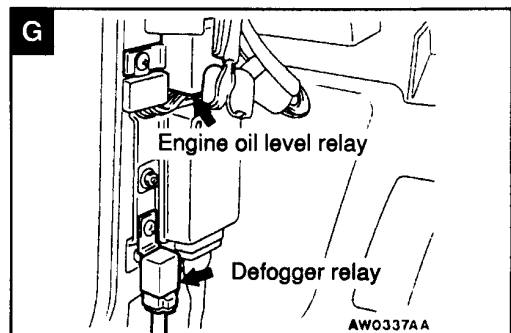
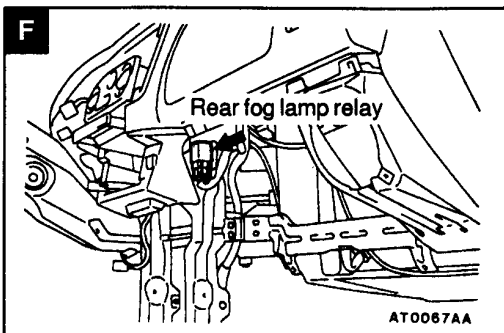
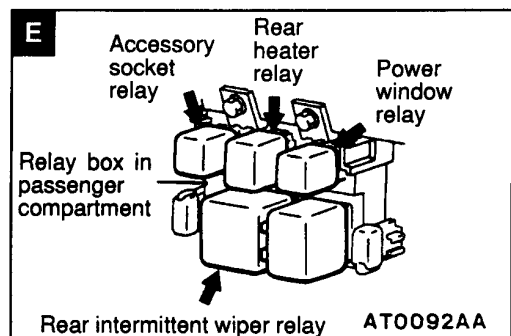
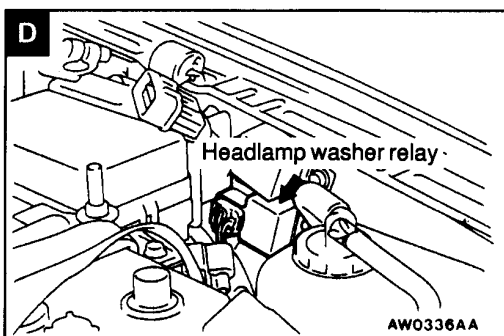
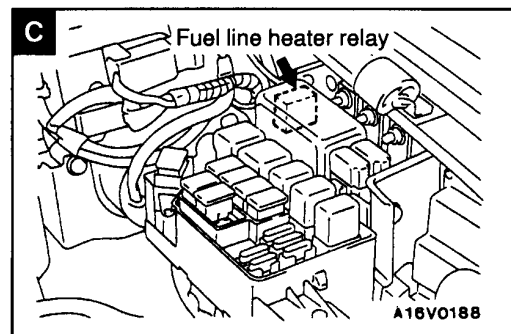
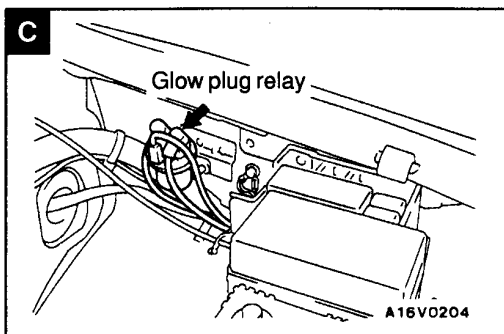
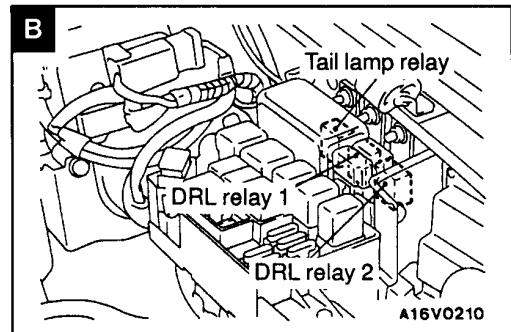
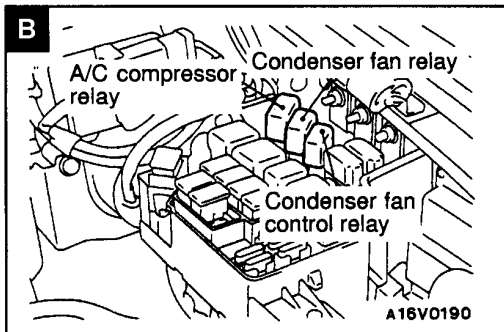
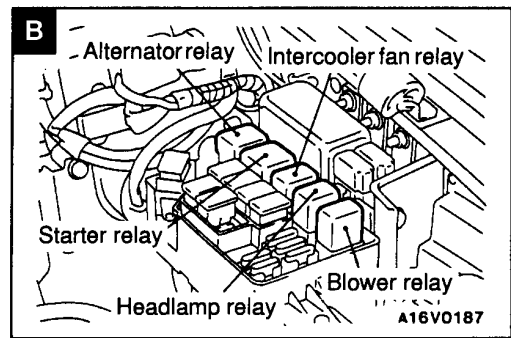
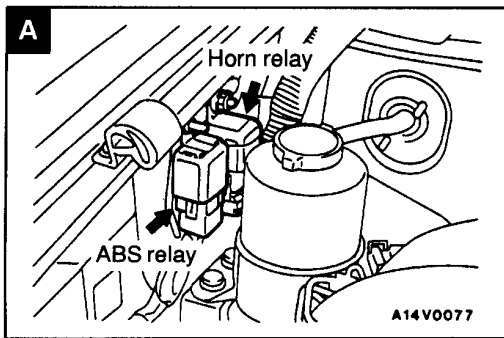
RELAY	3-2	INSPECTION CONNECTOR	3-14
ECU	3-5	FUSIBLE LINK AND FUSE	3-15
SENSOR	3-8	EARTH CABLE	3-16
SOLENOID VALVE	3-12	EARTH	3-17
DIODE	3-13		

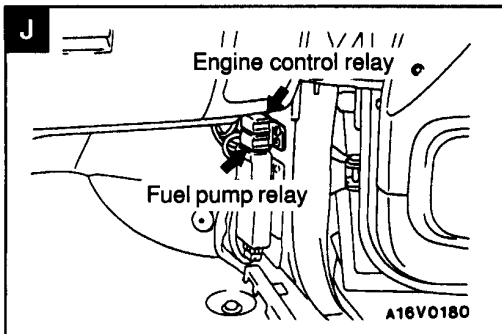
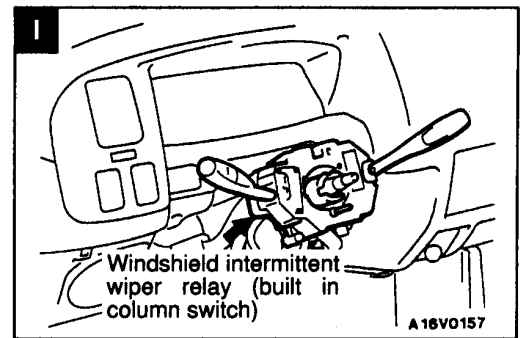
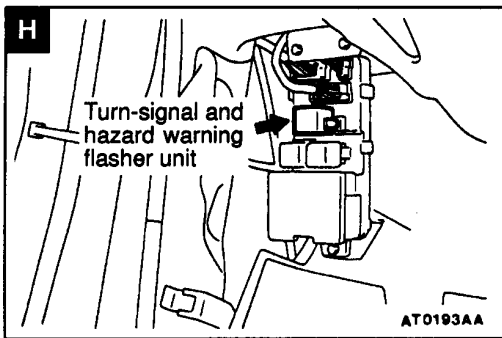
RELAY

70100040465

Name	Symbol	Name	Symbol
ABS relay	A	Glow plug relay <Diesel>	C
Accessory socket relay	E	Headlamp relay	B
A/C compressor relay	B	Headlamp washer relay	D
Alternator relay	B	Horn relay	A
Blower relay	B	Intercooler fan relay <Diesel>	B
Condenser fan control relay	B	Power window relay	E
Condenser fan relay	B	Rear fog lamp relay	F
Defogger relay	G	Rear heater relay	E
DRL relay 1	B	Rear intermittent wiper relay	E
DRL relay 2	B	Starter relay <Diesel>	B
Engine control relay <Petrol>	J	Tail lamp relay	B
Engine oil level relay	G	Turn-signal and hazard warning flasher unit	H
Fuel line heater relay <Diesel>	C	Windshield intermittent wiper relay (built in column switch)	I
Fuel pump relay <Petrol>	J		



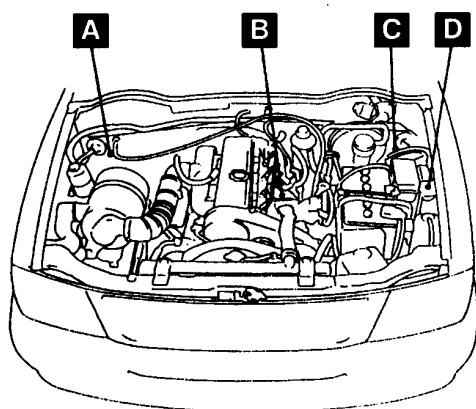




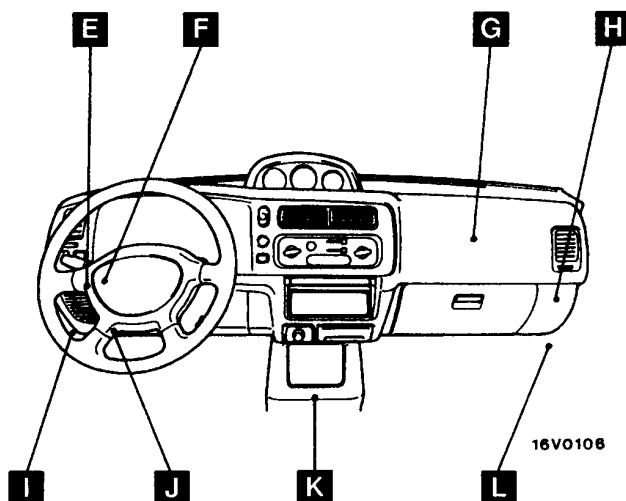
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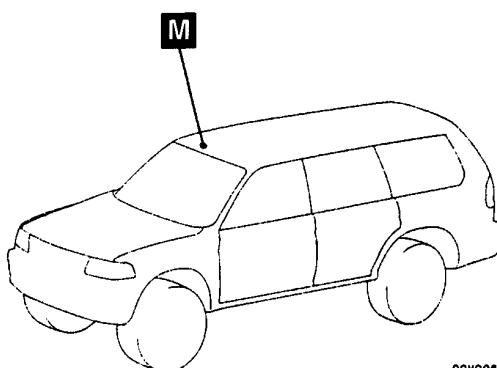
Name		Symbol	Name		Symbol
ABS-ECU	Petrol and diesel R.H.D	A	Fuel-cut valve controller <Diesel>		B
	Diesel L.H.D	C	Glow-ECU <Diesel>		H
Auto-cruise control-ECU		I	Immobilizer-ECU	L.H.D	F
Automatic compressor controller <A/C>		G		R.H.D	I
Defogger timer		E	Intercooler fan-ECU <Diesel>		L
DRL-ECU		D	SRS-ECU		K
Engine-ECU <Petrol>		H	Sunroof-ECU		M
ETACS-ECU		J	4WD indicator-ECU		L



W0335AA

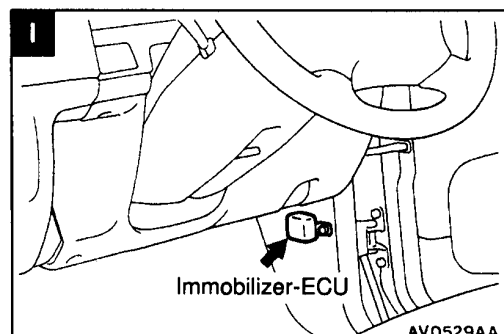
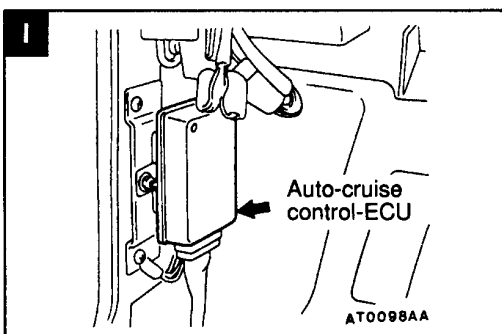
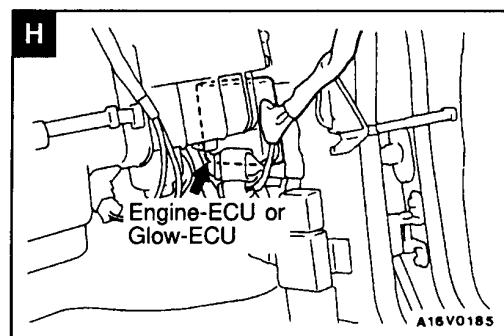
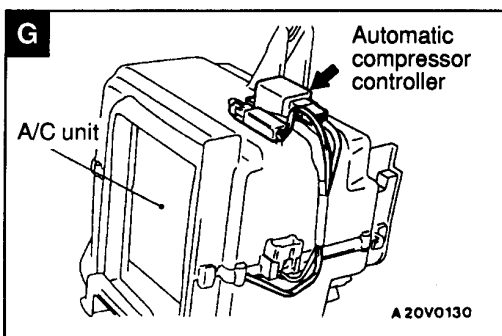
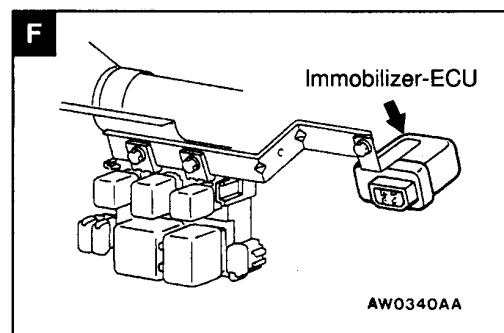
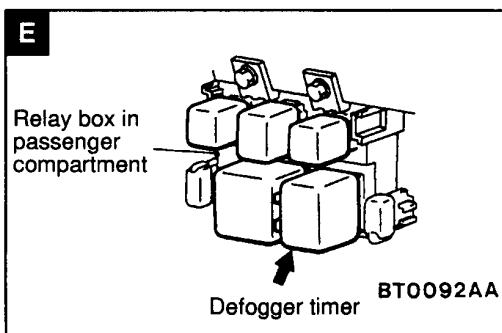
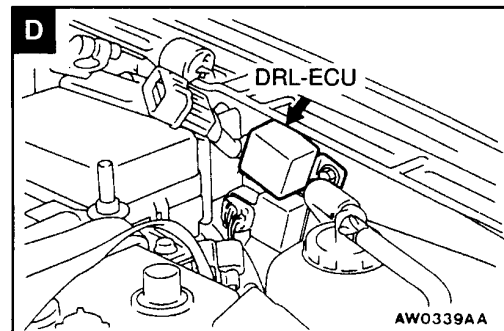
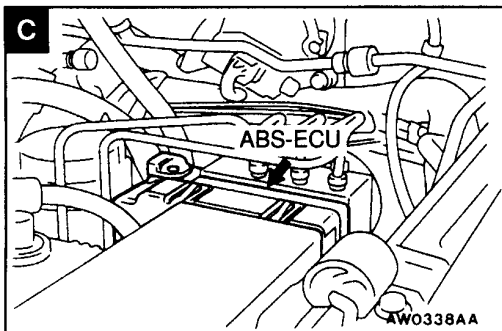
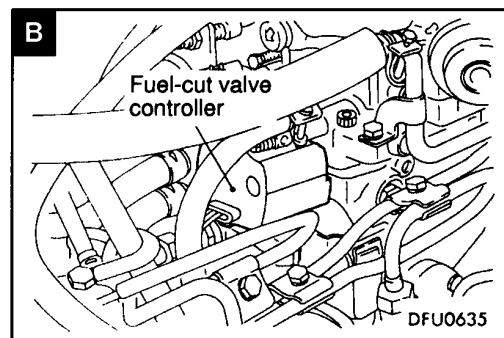
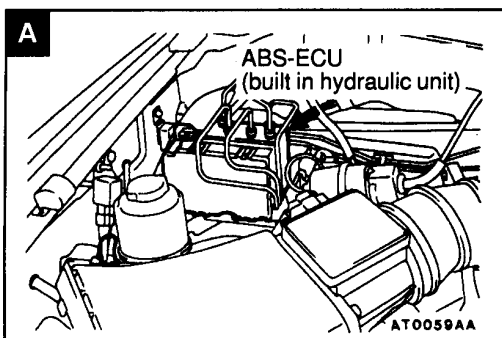


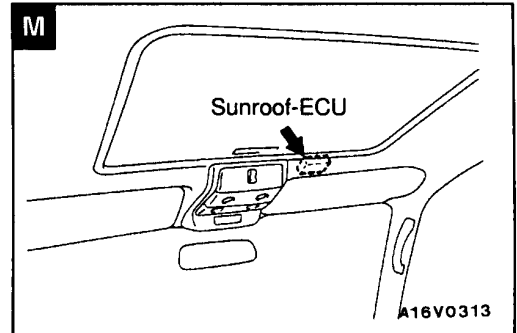
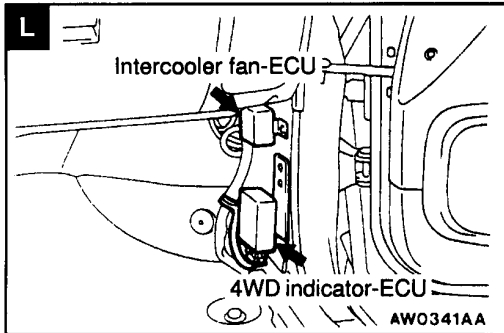
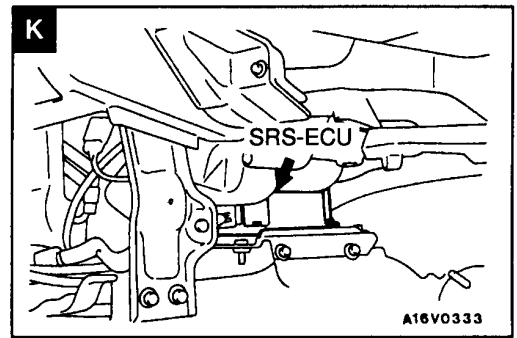
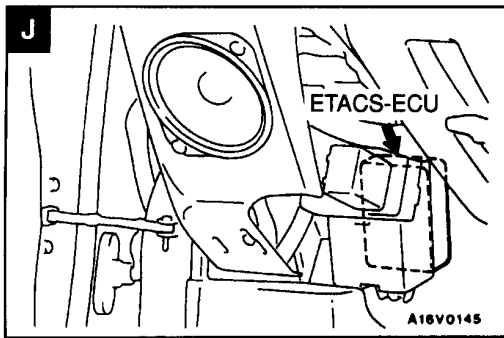
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00V0062

00009361



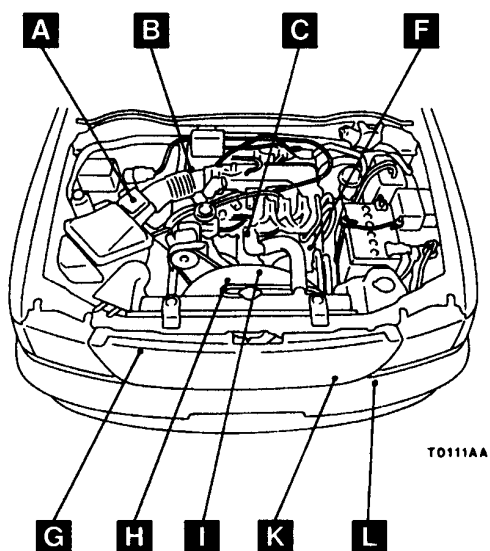


SENSOR

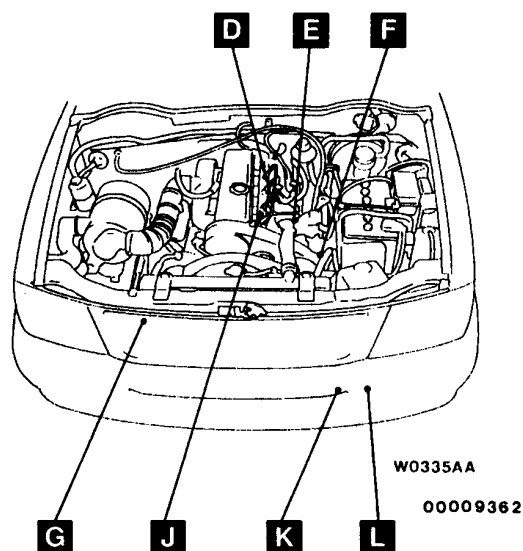
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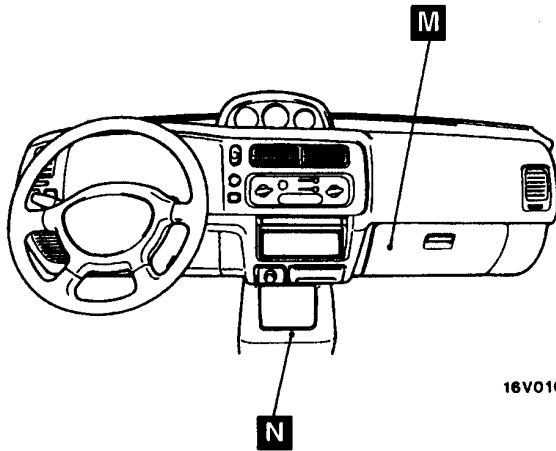
Name	Symbol	Name	Symbol
A/C refrigerant temperature switch	F	Front impact sensor <SRS>	O
Air flow sensor <Petrol>	A	G-sensor <ABS>	N
Air thermo sensor <A/C>	M	Lever (throttle) position sensor <Diesel>	E
Camshaft position sensor <Petrol>	I	Outside air temperature sensor <A/C>	K
Crank angle sensor <Petrol>	H	Outside thermo sensor <Multi-meter>	L
Engine coolant temperature sensor <Petrol>	C	Oxygen sensor <Petrol>	S
Engine coolant temperature sensor and gauge unit <Diesel>	J	Revolution pick-up sensor <Diesel>	E
Engine coolant temperature switch <A/C> (for A/C compressor control)	D	Throttle position sensor <Petrol>	B
Engine coolant temperature switch <A/C> (for condenser fan control)	J	Vehicles speed sensor	R
Engine oil level sensor	G	Wheel speed sensor (front) <ABS>	P
		Wheel speed sensor (Rear) <ABS>	Q

<Petrol>

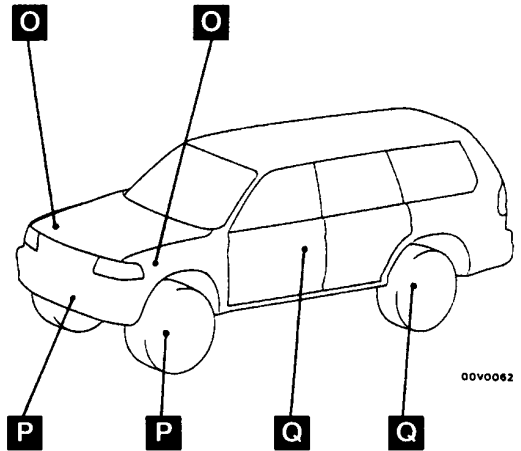


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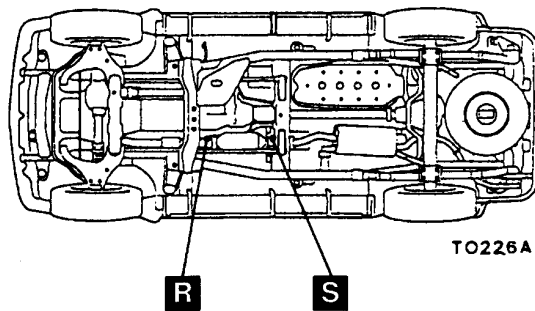




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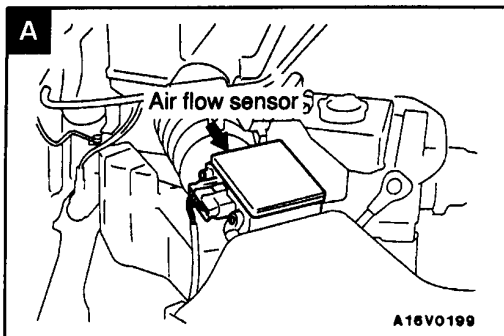


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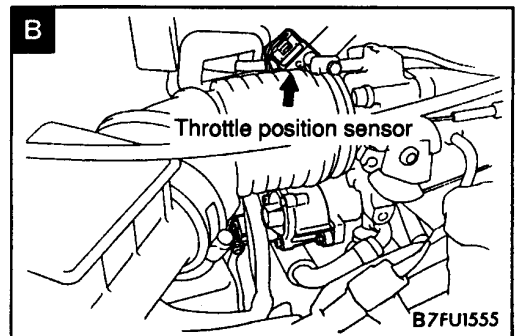


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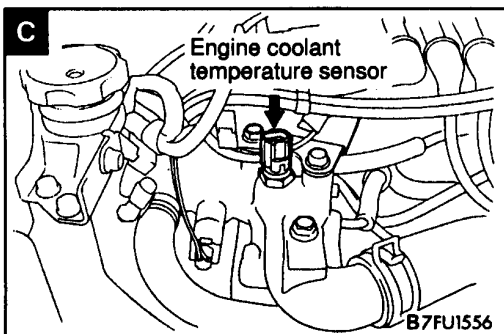
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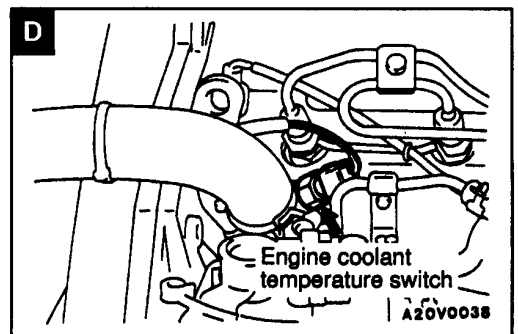
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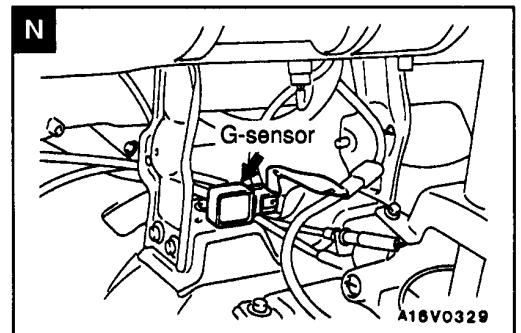
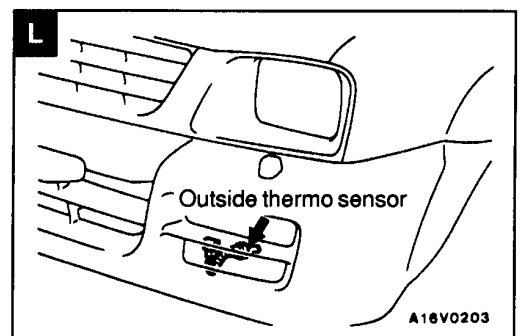
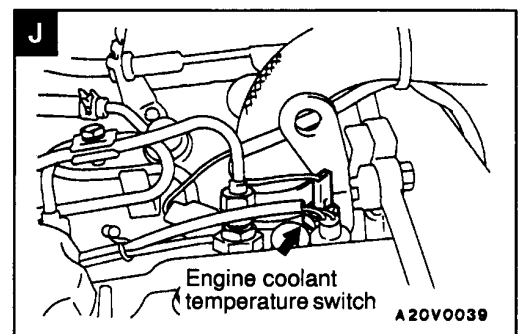
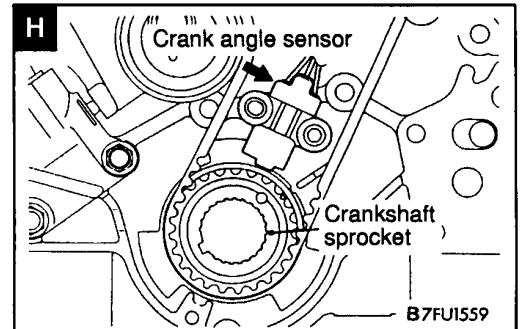
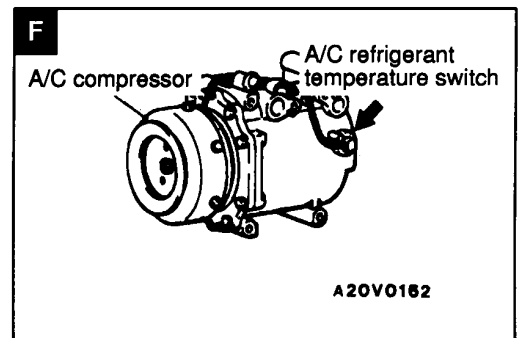
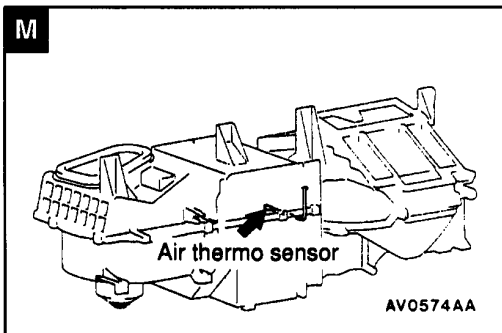
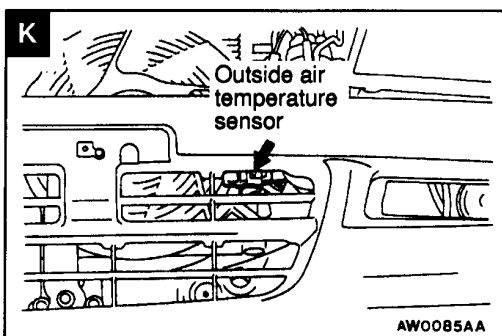
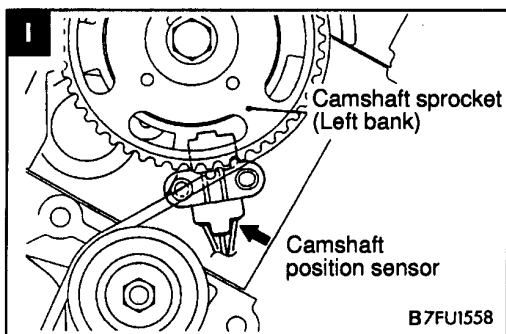
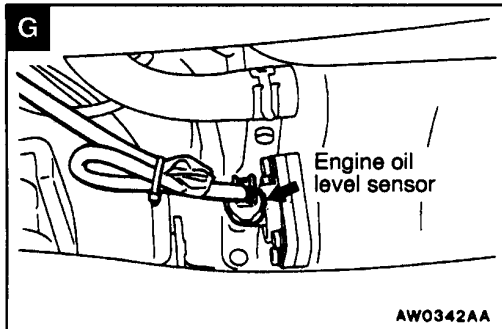
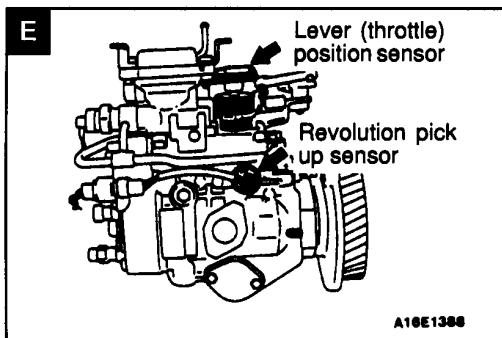
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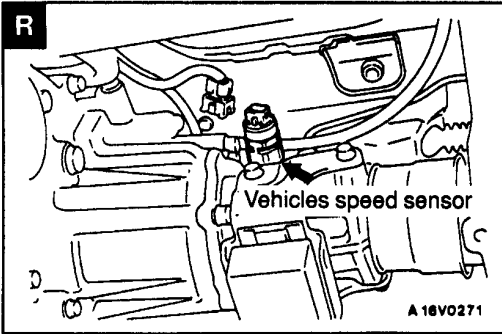
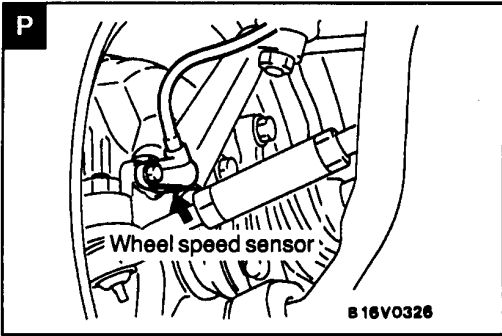
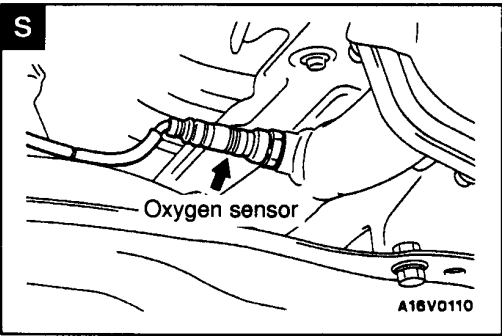
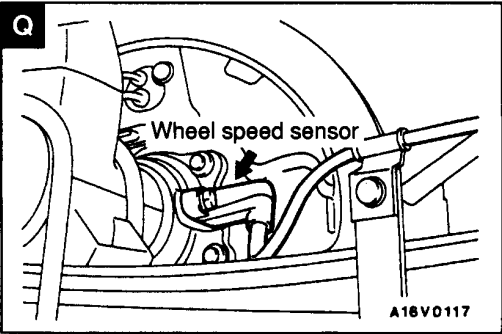
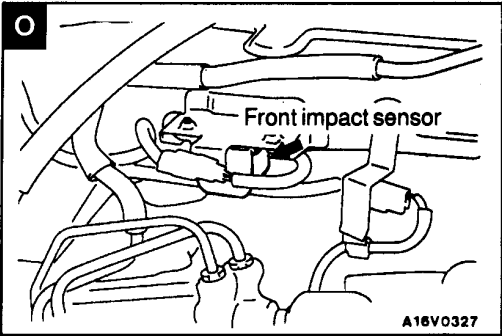


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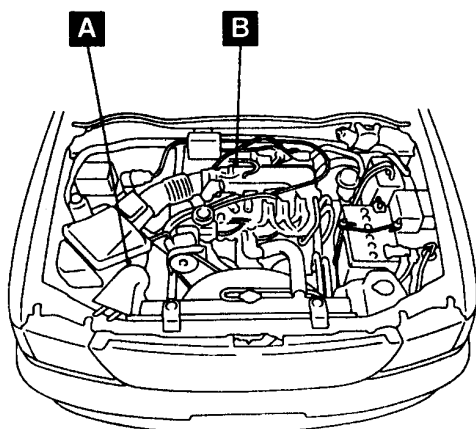


SOLENOID VALVE

70100080498

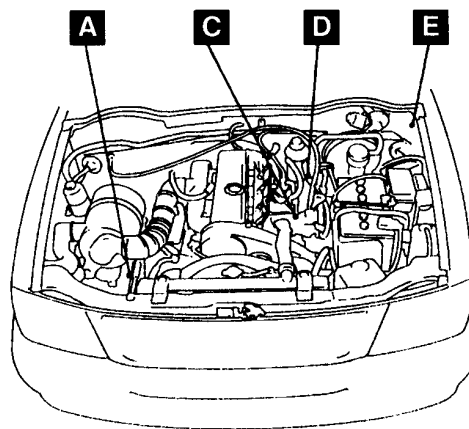
Name	Symbol	Name	Symbol
EGR solenoid valve <Petrol>	B	Purge control solenoid valve <Petrol>	B
EGR solenoid valve (1), (2) <Diesel>	E	Timer solenoid valve <Diesel>	C
Idle-up solenoid valve <A/C>	D	4WD solenoid valve A, B	A

<Petrol>



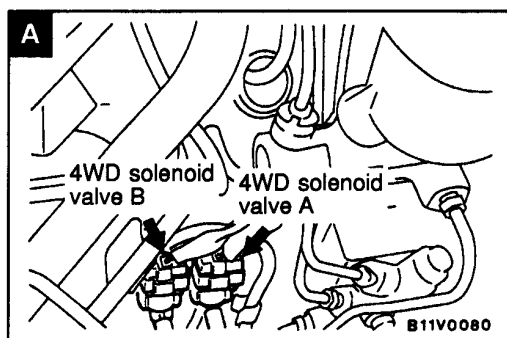
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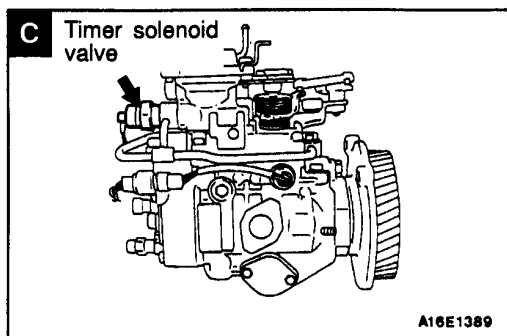


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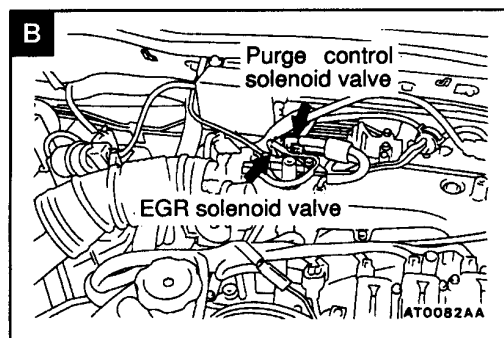
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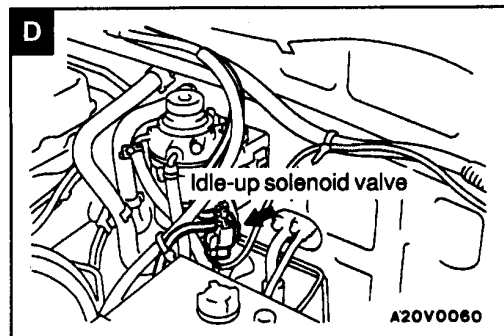
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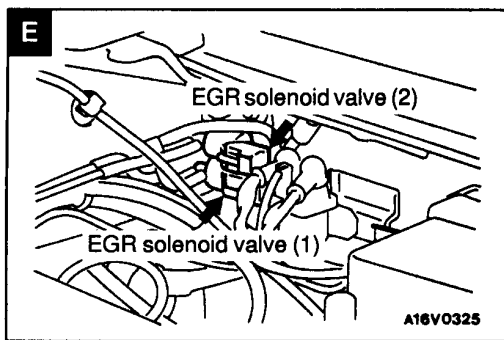
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AT0082AA

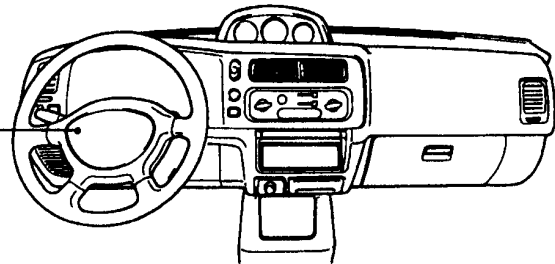
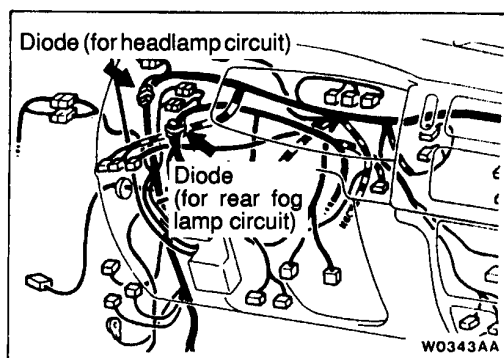


A20V0060



DIODE

70100090385



16V0106

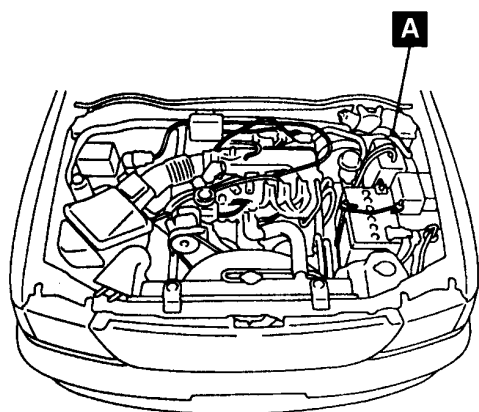
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3-14 SINGLE PART INSTALLATION POSITION – Inspection Connector

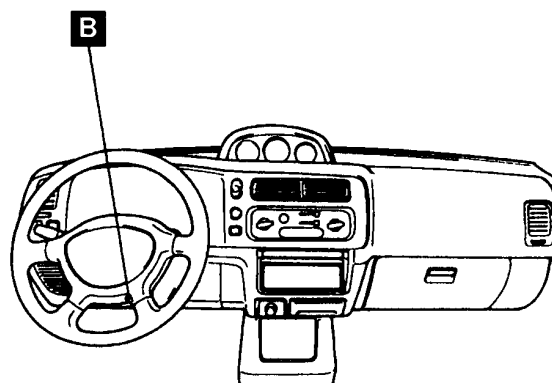
INSPECTION CONNECTOR

70100020469

Name	Symbol	Name	Symbol
Diagnosis connector (1), (2)	B	Engine speed detection connector	A

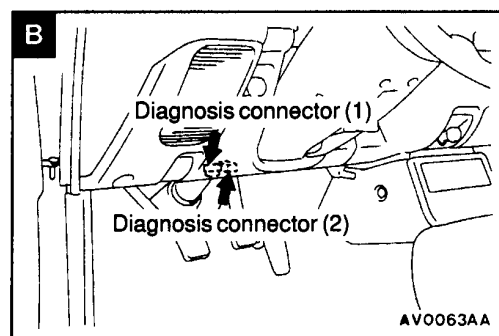
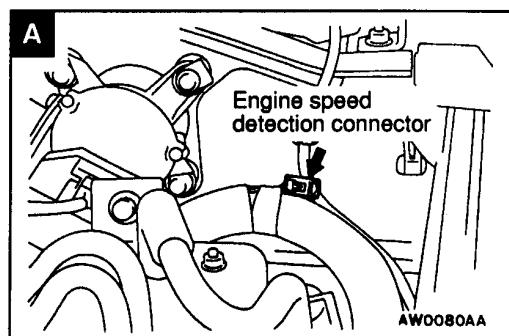


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16V0106

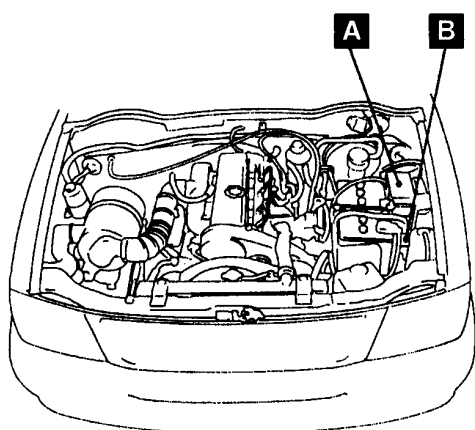
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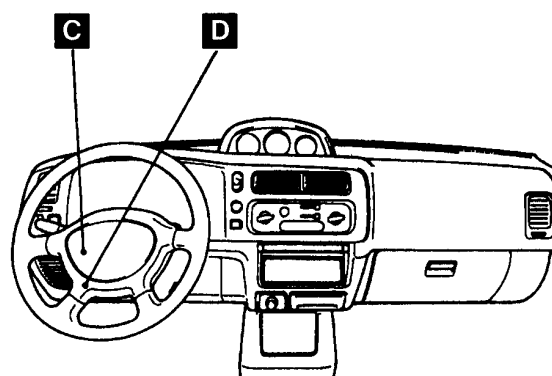
FUSIBLE LINK AND FUSE

70100010466

Name	Symbol	Name	Symbol
Dedicated fuses (No. 1-7)	A	Fusible links (No. 1-8)	A
Dedicated fuses (No. 8-13)	D	Fusible links (No. 9-11)	B
Dedicated fuses (No. 14-18)	C	Multi-purpose fuses	D

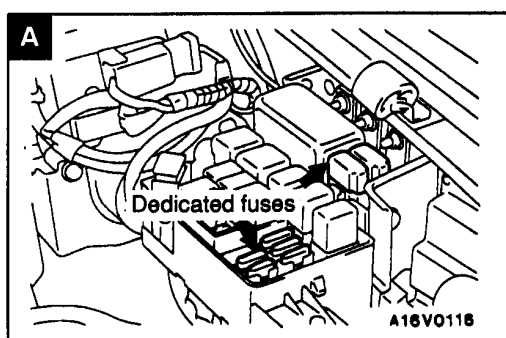


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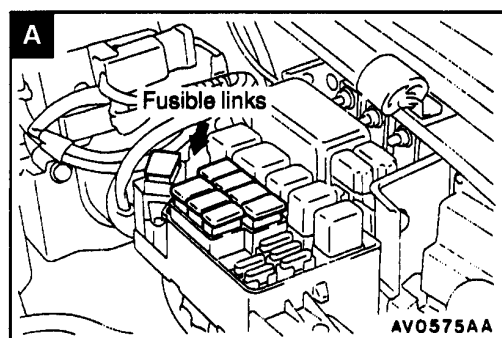


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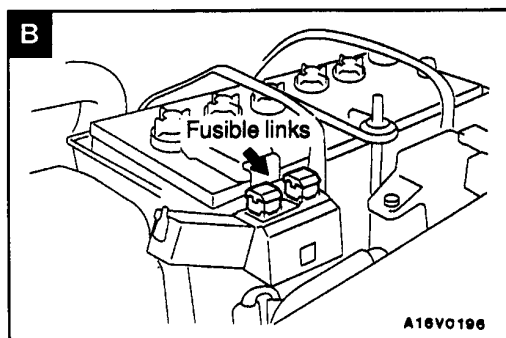
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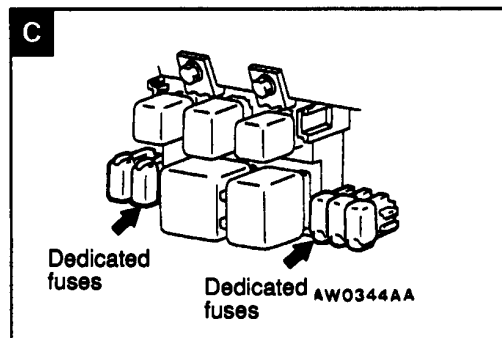
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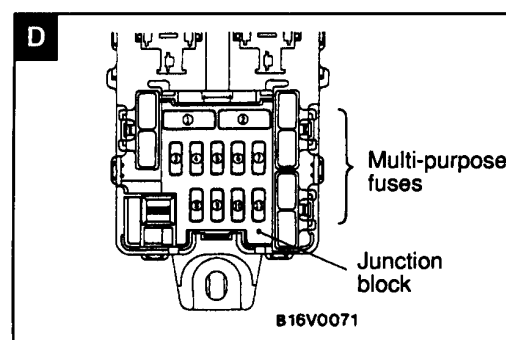
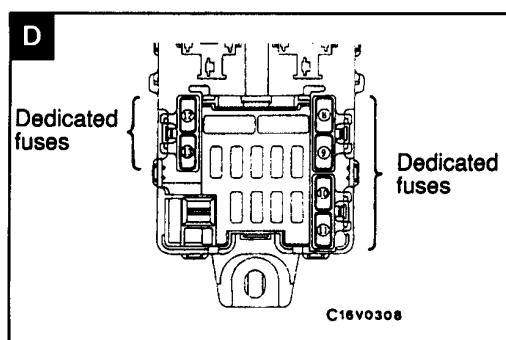
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A16V0198

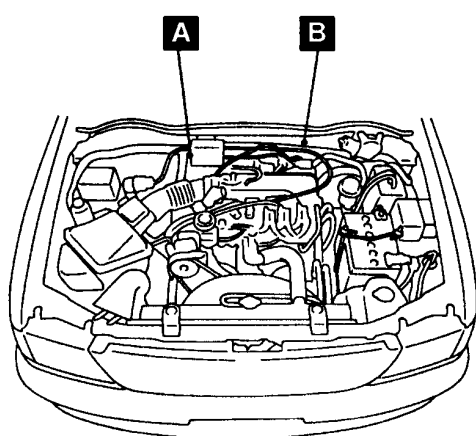


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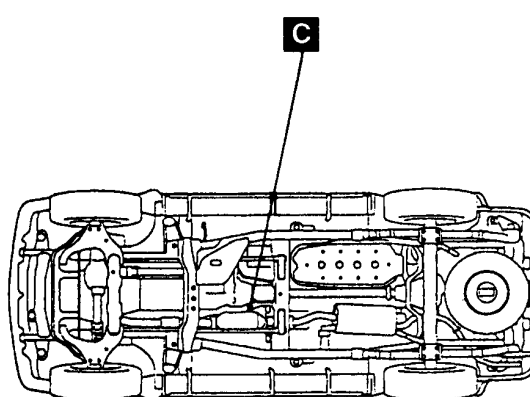


EARTH CABLE

70100100255

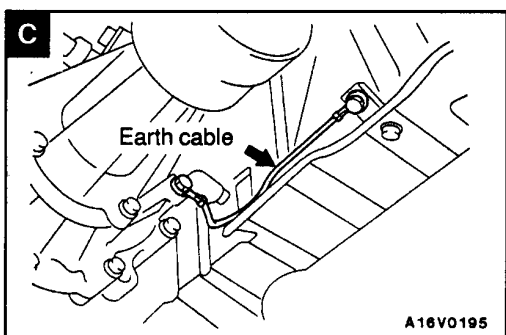
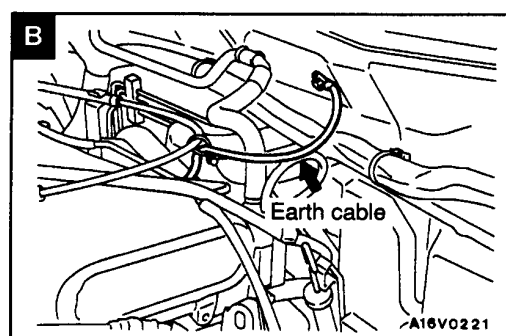
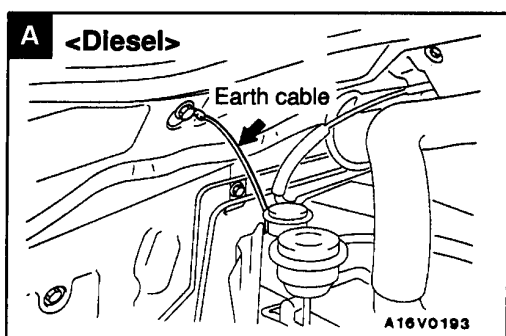


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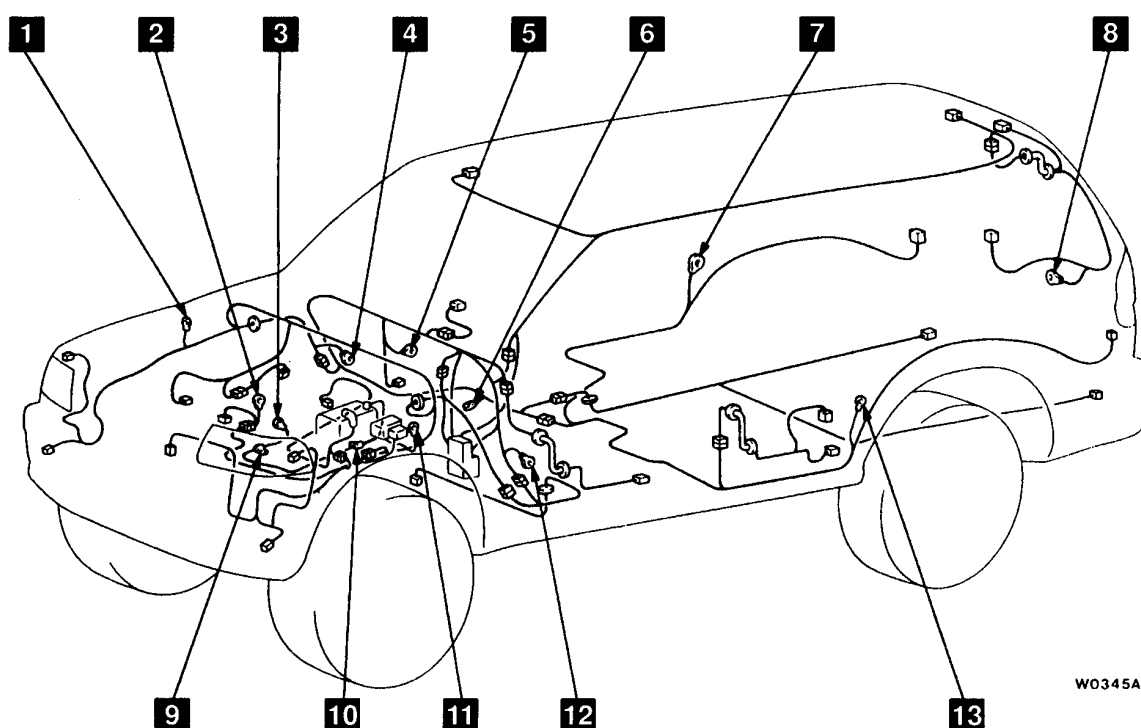
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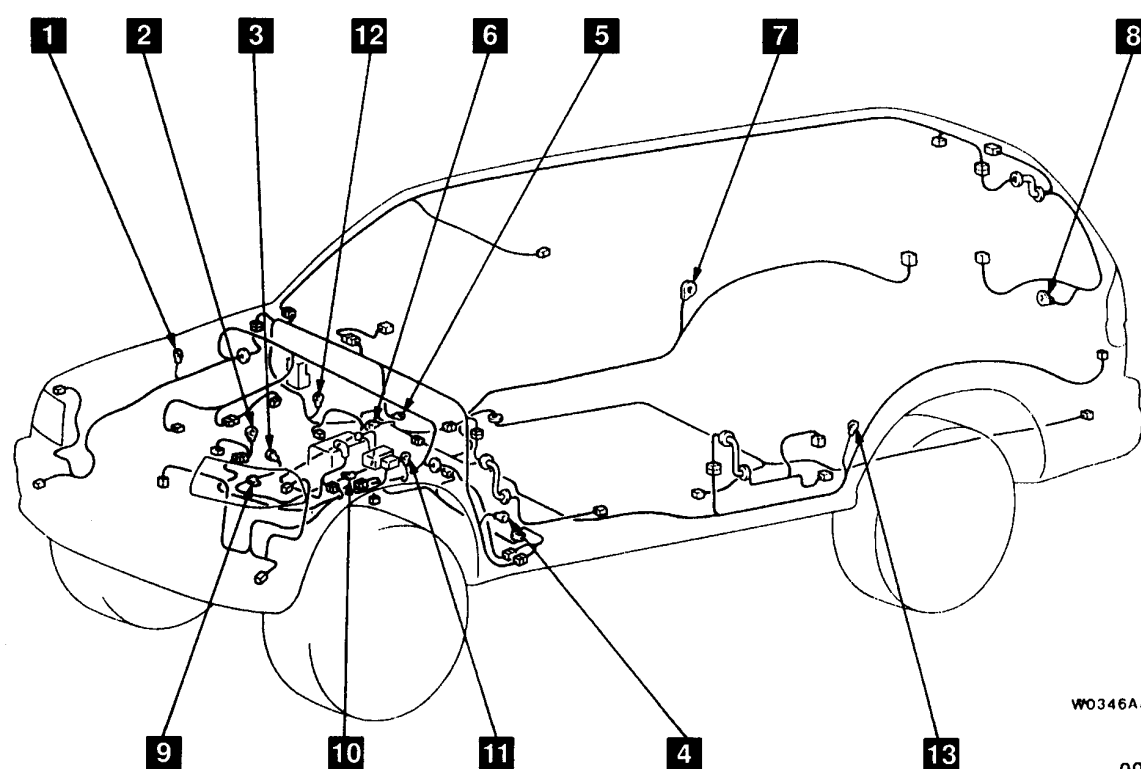
EARTH

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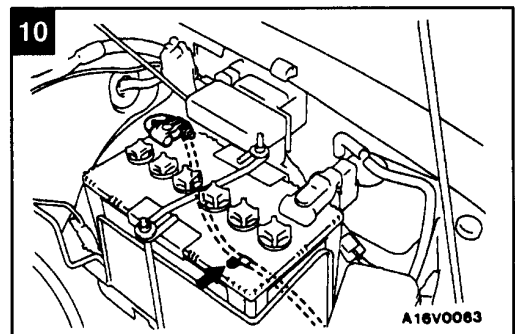
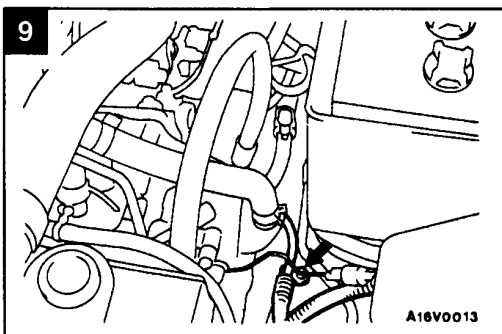
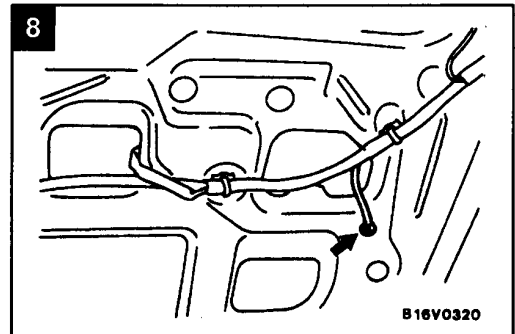
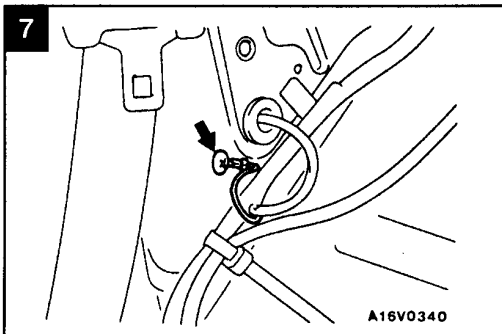
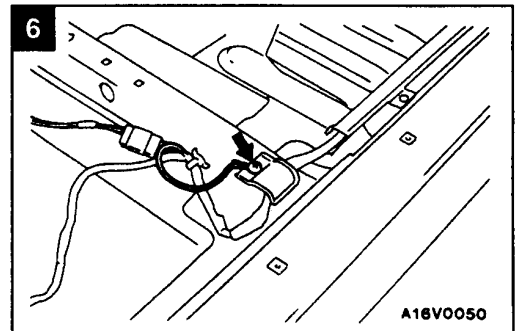
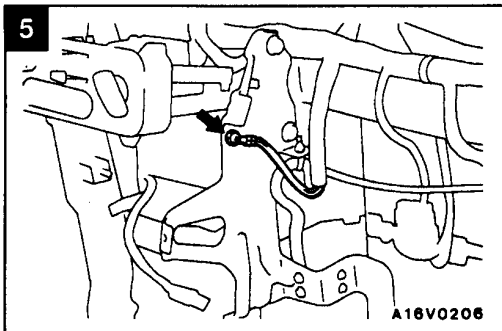
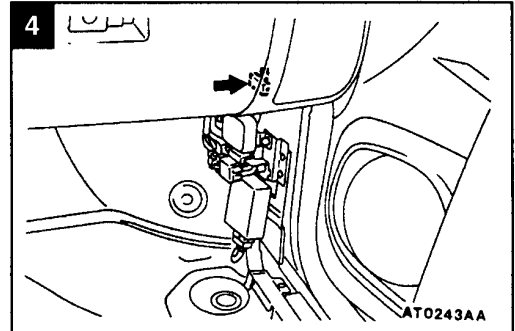
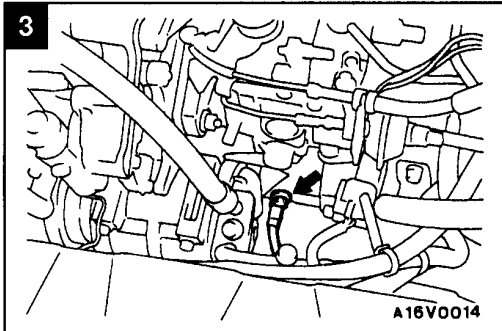
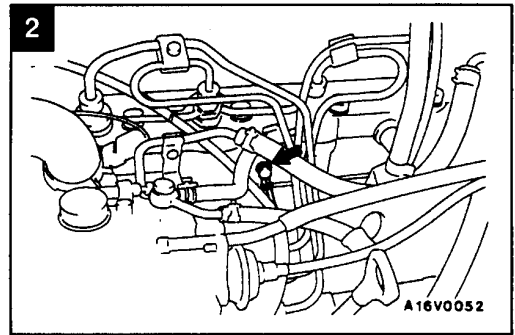
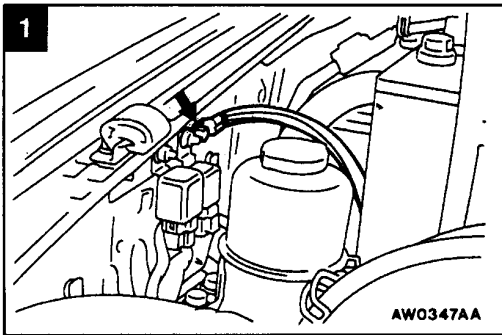
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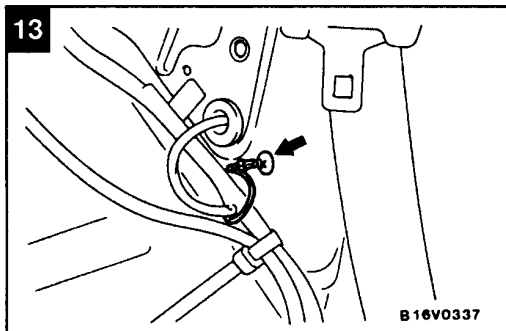
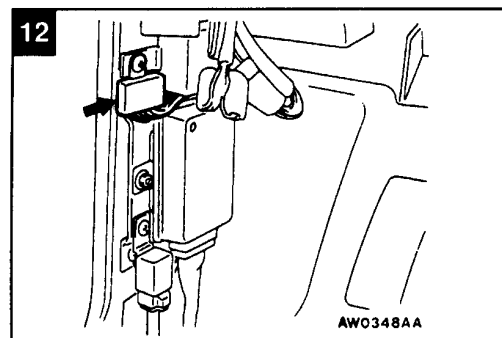
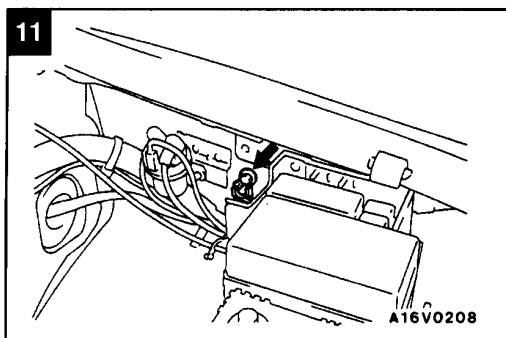


<R.H. drive vehicles>



NOTE: 1 to 13 numbers correspond to the body ground point numbers in CIRCUIT DIAGRAMS.





CIRCUIT DIAGRAM

CONTENTS

90109000509

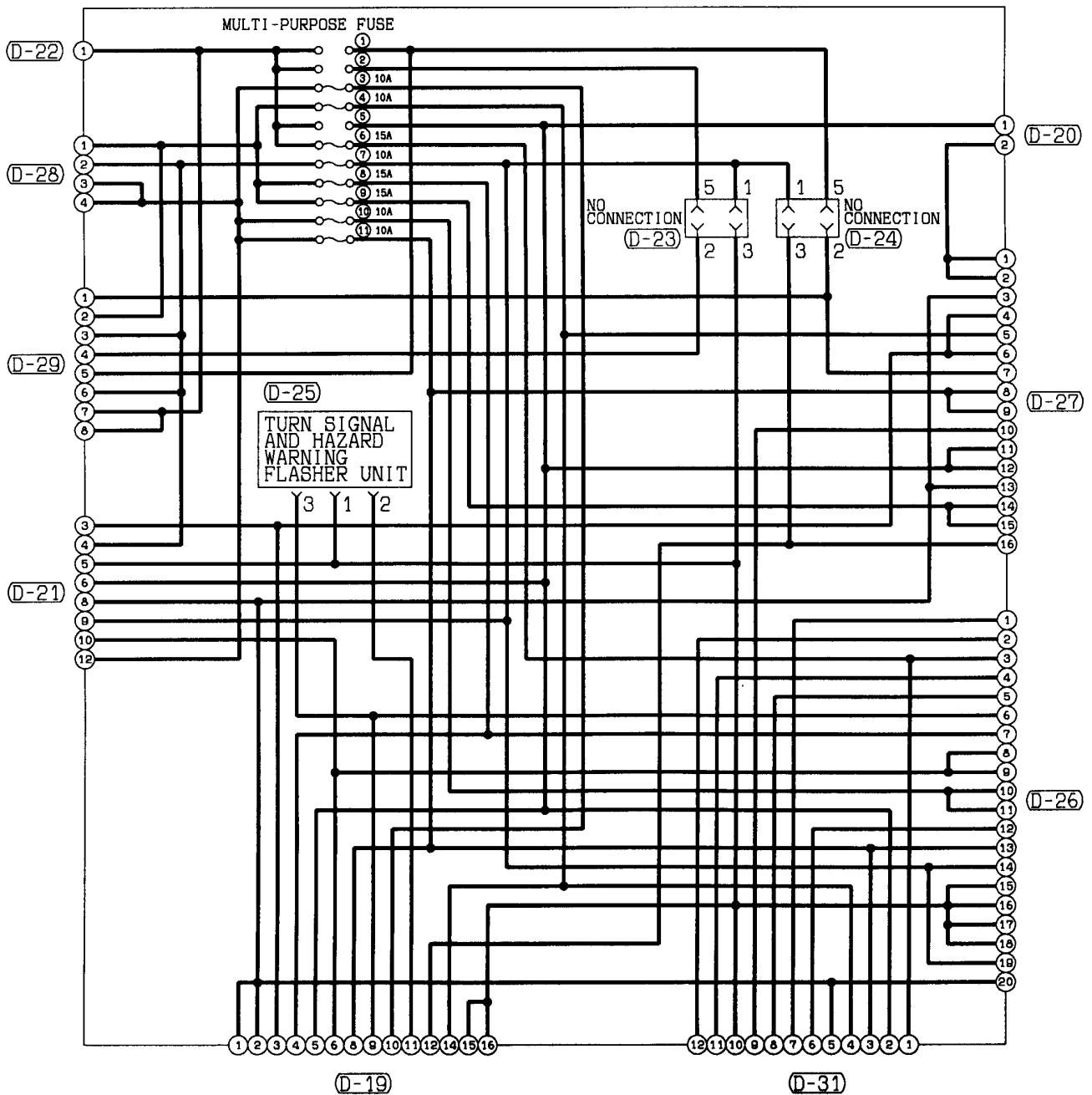
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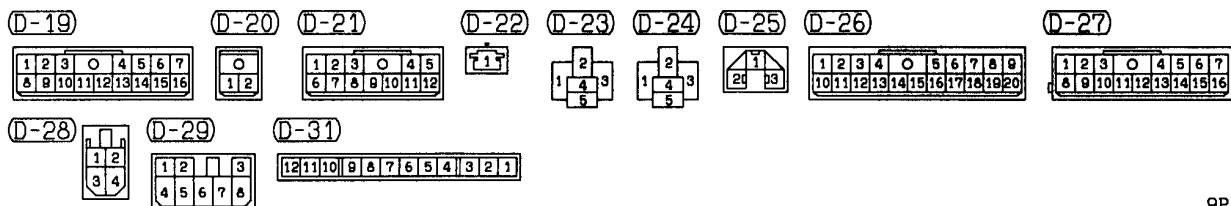
NOTES

JUNCTION BLOCK (J/B)

90100020450

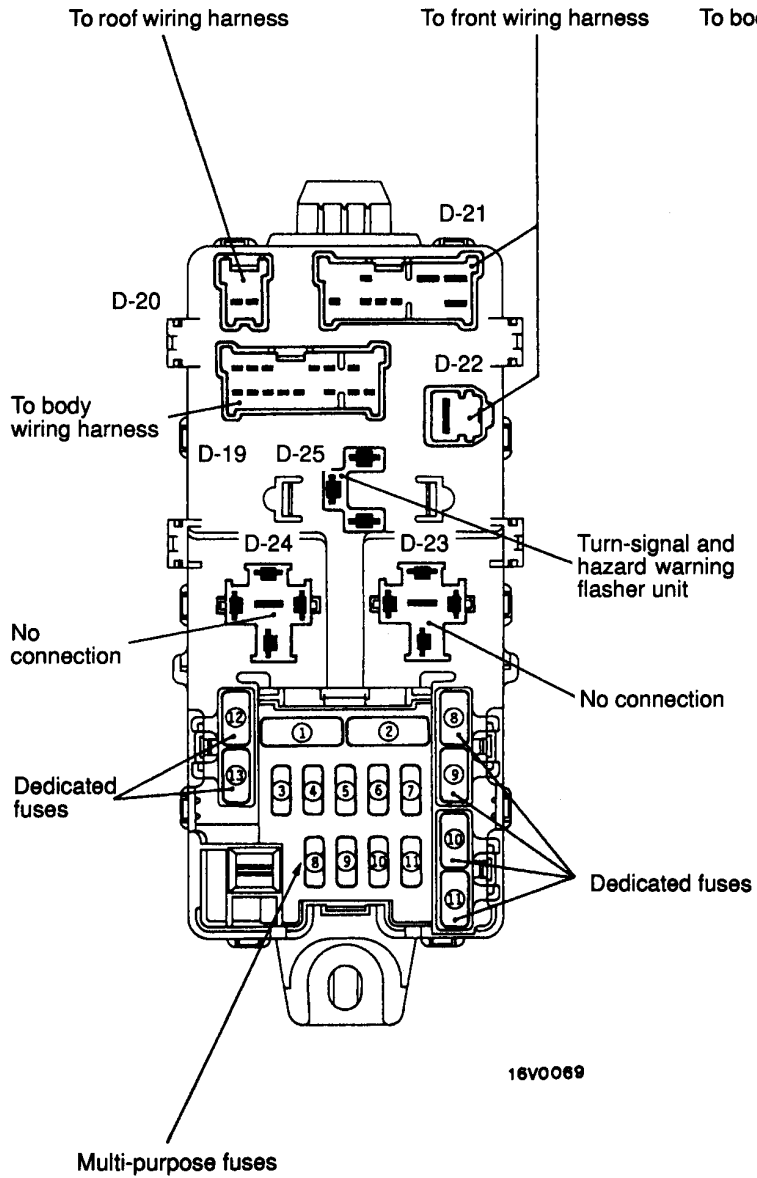


REMARK
CONNECTOR NUMBERS ARE KEYED TO THE CONFIGURATION
DIAGRAM AND EACH CIRCUIT DIAGRAM.

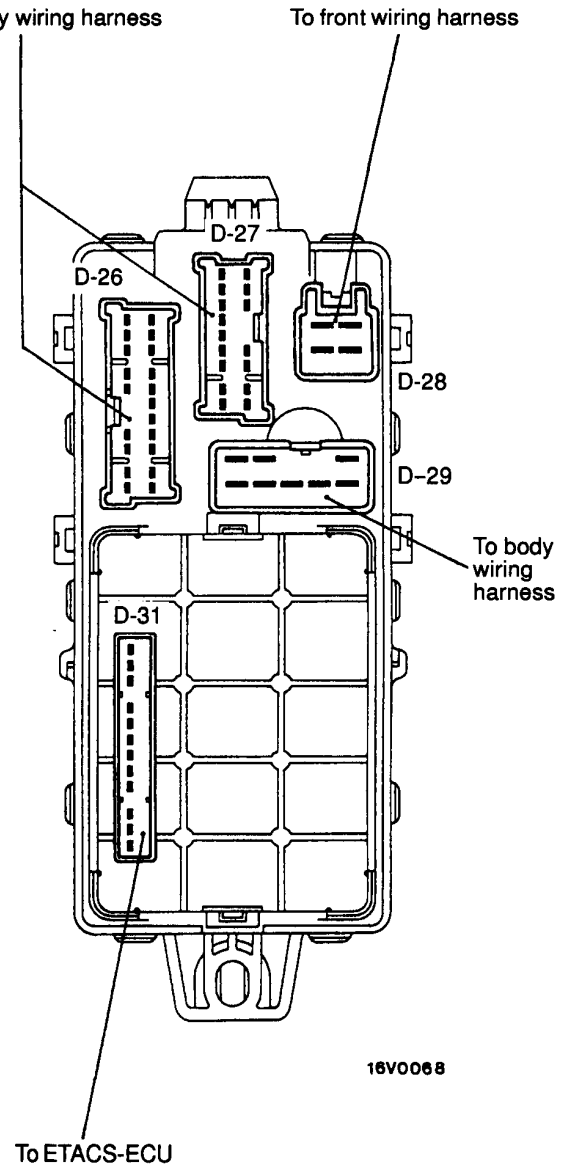


9P00E01AA

Front side



Rear side

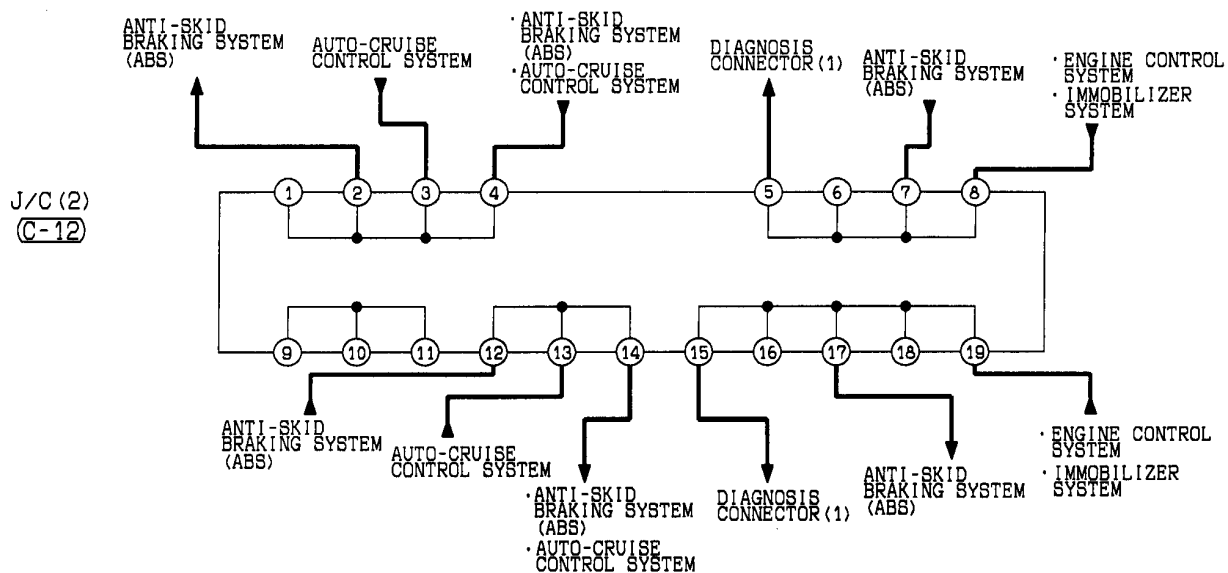
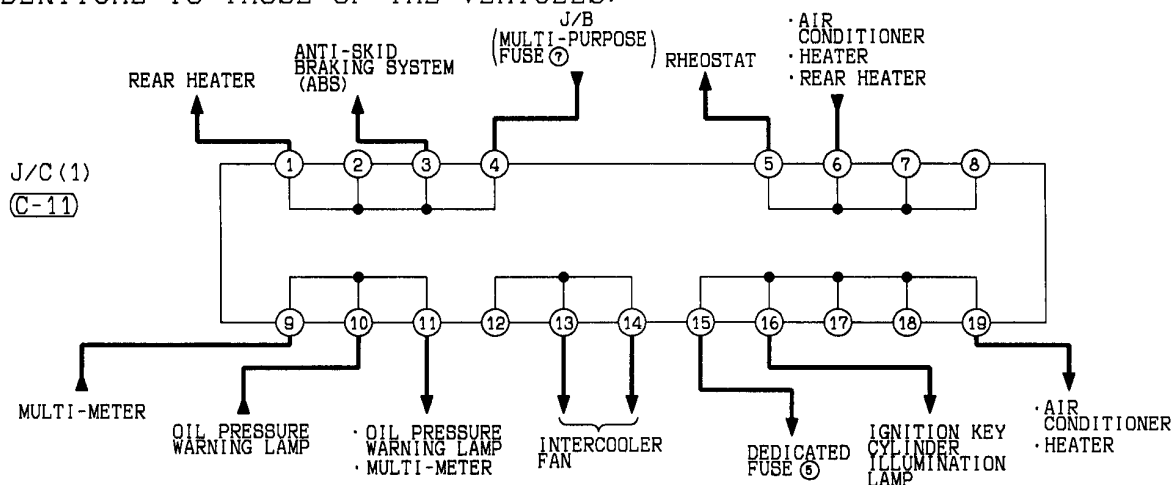


00007613

JOINT CONNECTOR (J/C)

90101420259

REMARKS
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.



C-11

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

C-12

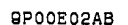
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9	10	11	12	13	14	15	16
17	18	19					

C-68

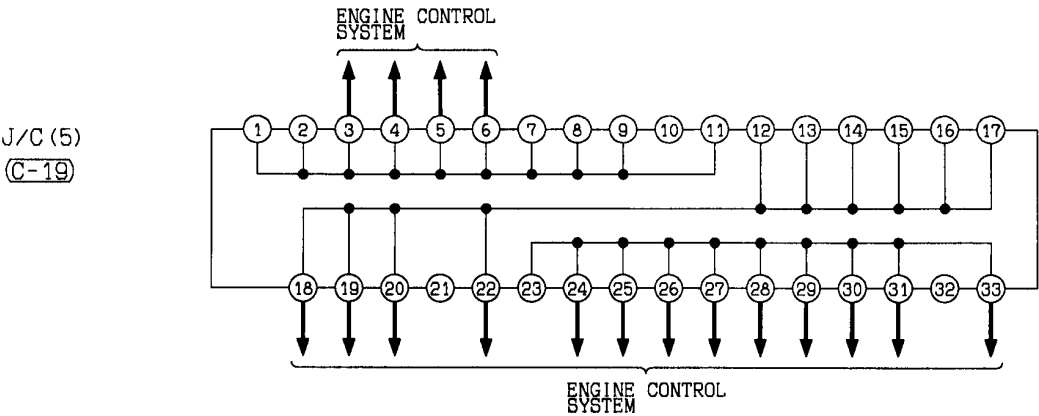
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9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33							

C-71

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							



JOINT CONNECTOR (CONTINUED)



(C-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	27	28	29	30	31	32	33

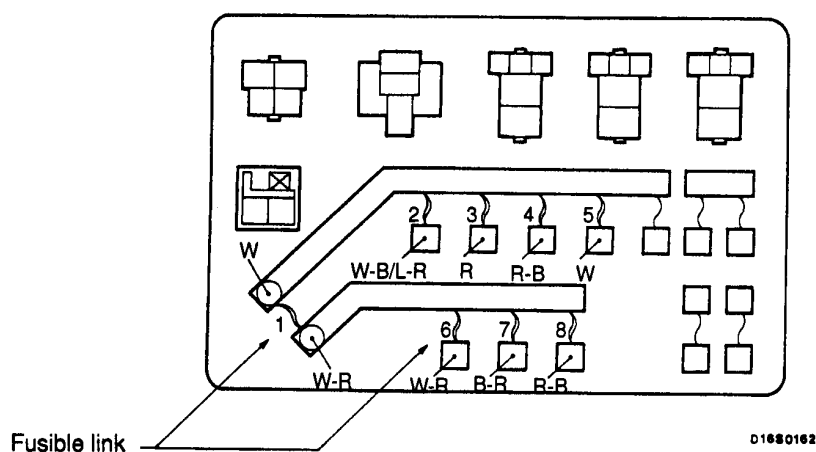
CENTRALIZED JUNCTION

90100030637

FUSIBLE LINK

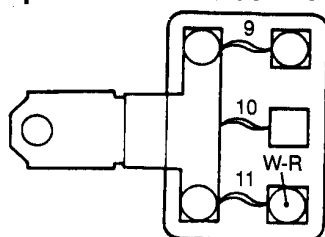
No.	Circuit	Housing colour	Rated capacity (A)
1	Fusible link No. (6), (7), (8) <when the engine is stopped> and fusible link No. (2), (3), (4), (5), dedicated fuse No. (1) <after start of the engine>	Blue <Petrol> Black <Diesel>	100 <Petrol> 80 <Diesel>
2	Intercooler fan, immobilizer system and engine control system	Light blue	20
3	Headlamp, tail lamp, front fog lamp, rear fog lamp, alternator, headlamp washer, headlamp leveling system and dedicated fuse No. (2), (3), (4), (15), (18)	Pink	30
4	Power window	Pink	30
5	Ignition switch and starting system	Green	40
6	Dedicated fuse No. (5), (8), (12), (13), (14), (17) and multi-purpose fuse No. (6)	Green	40
7	Dedicated fuse No. (6), (7), (16)	Pink	30
8	Heater and air conditioner	Pink	30
9	Glow and engine control system <Diesel>	Black	80
10	–	–	–
11	Anti-skid braking system	Yellow	60

(Relay box in engine compartment)

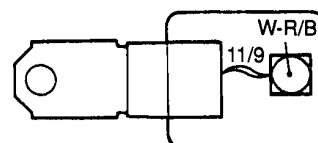


(Connected directly to battery positive terminal)

<Diesel-powered vehicles with ABS>



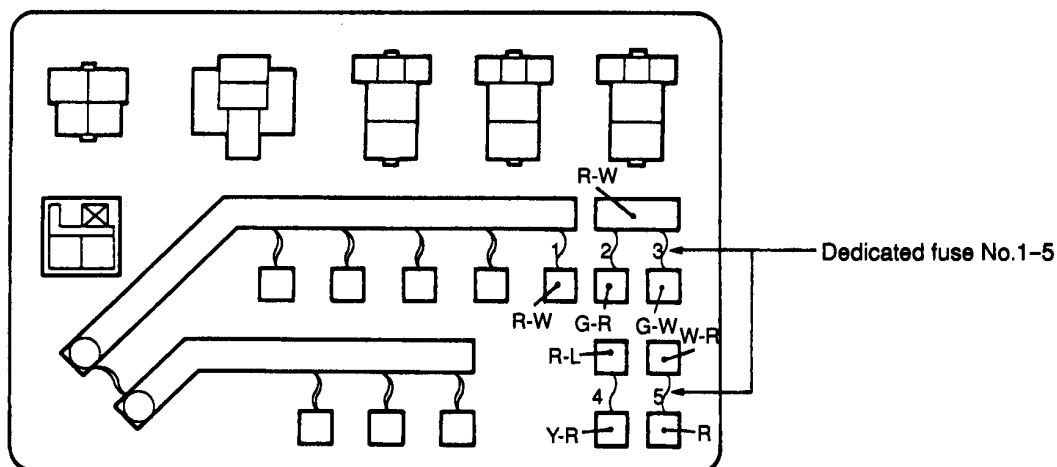
<Petrol-powered vehicles with ABS and diesel-powered vehicles without ABS>



DEDICATED FUSE (Relay box in engine compartment)

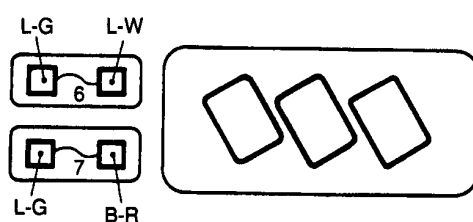
Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Battery/Alternator (Fusible link No.1)	1	10	Red	Hazard warning lamp and immobilizer system
Tail lamp relay <LHD> Column switch <RHD> (Fusible link No.3)	2	10	Red	Tail lamp, daytime running lamp <LHD> and clock
	3	10	Red	Tail lamp and illumination
Headlamp relay (Fusible link No.3)	4	10	Red	High beam indicator
Battery/Alternator (Fusible link No.6)	5	10	Red	Clock, radio, room lamp, door lamp, combination meter, multi-meter, ECU-power supply and MUT-II power supply
Battery/Alternator (Fusible link No.7)	6	20	Yellow	Condenser fan motor
	7	10	Red	A/C compressor
Battery/Alternator (Fusible link No.6)	8	10	Red	Stop lamp
Ignition switch (ACC)	9	10	Red	Daytime running lamp <LHD> and horn
Ignition switch (IG2)	10	10	Red	Heated seat and power window
	11	-	-	-
Battery/Alternator (Fusible link No.6)	12	15	Blue	Fuel line heater
Battery/Alternator (Fusible link No.6)	13	10	Red	Sunroof
Defogger relay (Fusible link No.6)	14	10	Red	Door mirror heater
Battery/Alternator (Fusible link No.6)	15	15	Blue	Accessory socket
Battery/Alternator (Fusible link No.7)	16	15	Blue	Rear heater
Battery/Alternator (Fusible link No.6)	17	25	Transparent	Defogger and dedicated fuse No. (14)
Battery/Alternator (Fusible link No.3)	18	15	Blue	Front fog lamp and rear fog lamp

(Relay box in engine compartment)



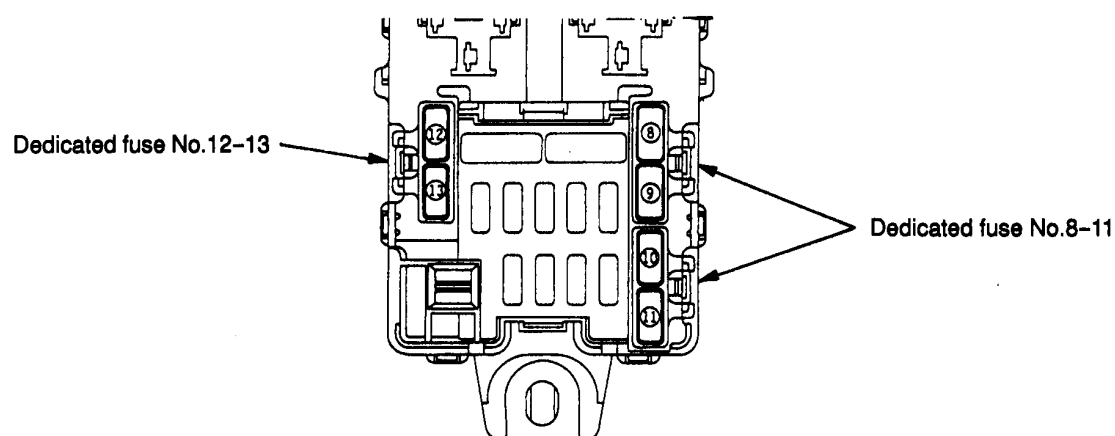
C16S0162

(A/C relay bracket in engine compartment)



A16V0067

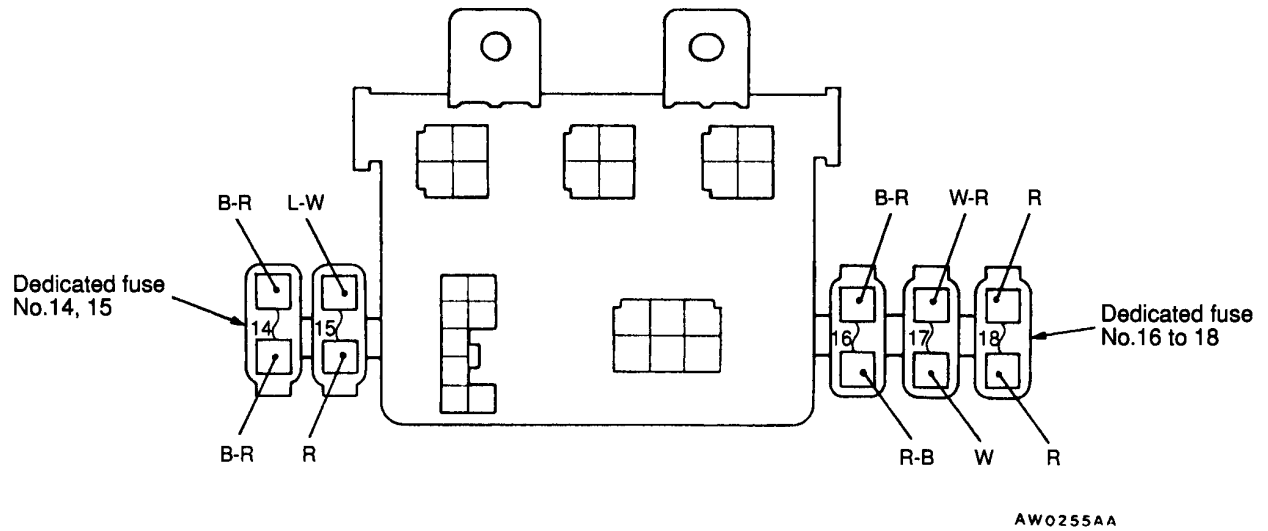
(In junction block)



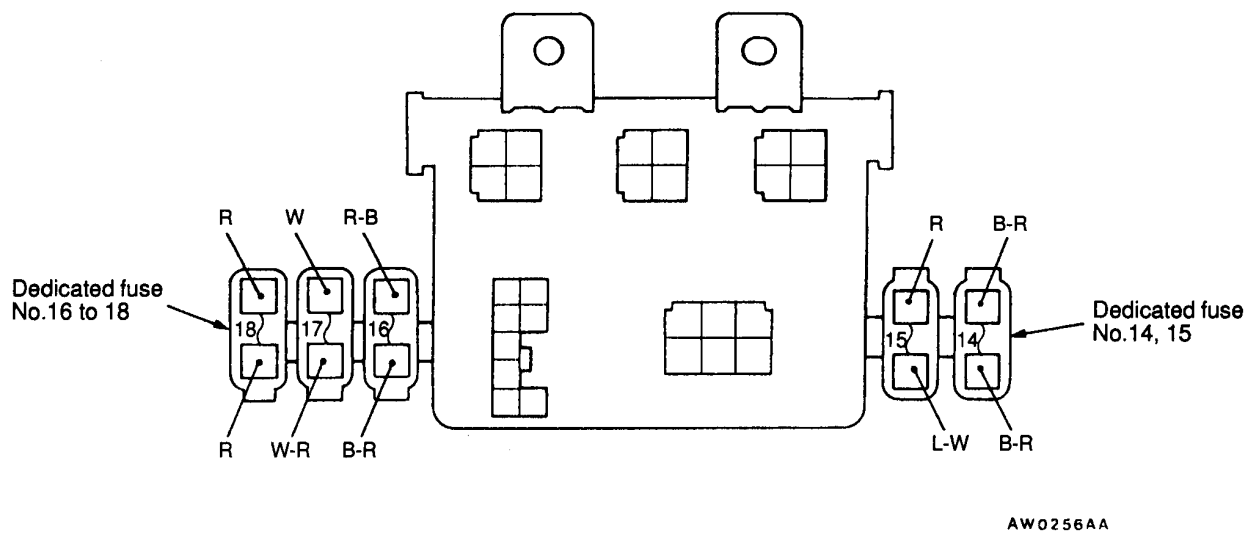
BV0017AA

(Relay box in passenger compartment)

<L.H. drive vehicles>

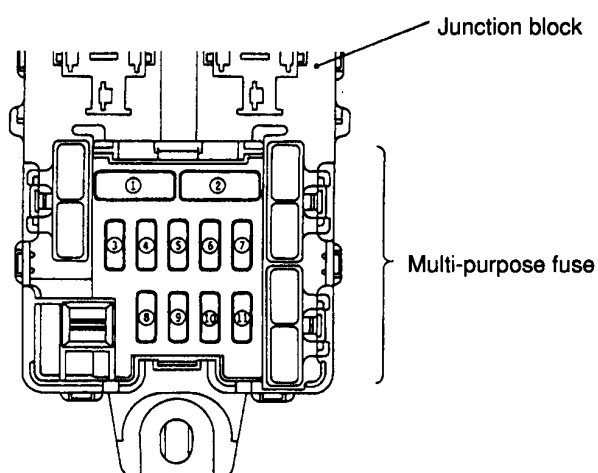


<R.H. drive vehicles>



MULTI-PURPOSE FUSE (In junction block)

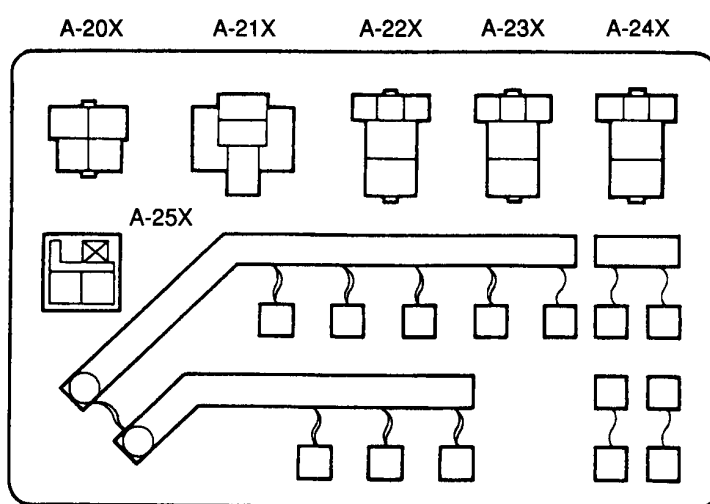
Power supply circuit		No.	Rated capacity (A)	Housing colour	Load circuit
Battery		1	-	-	-
		2	-	-	-
Ignition switch	IG1	3	10	Red	Turn signal and hazard warning flasher unit
	ACC	4	10	Red	Clock, radio, accessory socket and auto-cruise control switch
Battery		5	-	-	-
		6	15	Blue	ETACS-ECU
Ignition switch	IG2	7	10	Red	ABS-ECU, defogger relay, DRL relay, dim-dip lamp relay, headlamp washer relay, blower relay, A/C switch, condenser fan control relay, defogger timer, defogger switch and rear heater relay
	ACC	8	15	Blue	Cigarette lighter and remote controlled mirror
	ACC	9	15	Blue	Intermittent wiper relay, washer motor and wiper motor
	IG1	10	10	Red	Back-up lamp and SRS-ECU
	IG1	11	10	Red	Auto-cruise control-ECU, combination meter, ETACS-ECU, immobilizer-ECU, multi-meter, 4WD indicator-ECU, SRS-ECU, sunroof-ECU and vehicle speed sensor



A16V0071

CENTRALIZED RELAY**(Relay box in engine compartment)**

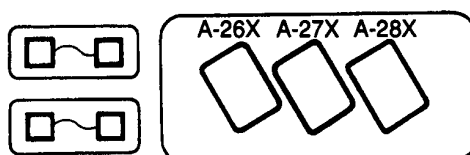
Connector No.	Name	Connector No.	Name
A-20X	Alternator relay	A-23X	Headlamp relay
A-21X	Starter relay	A-24X	Blower relay
A-22X	Intercooler fan relay	A-25X	Storage connector



16S0162

(A/C relay bracket in engine compartment)

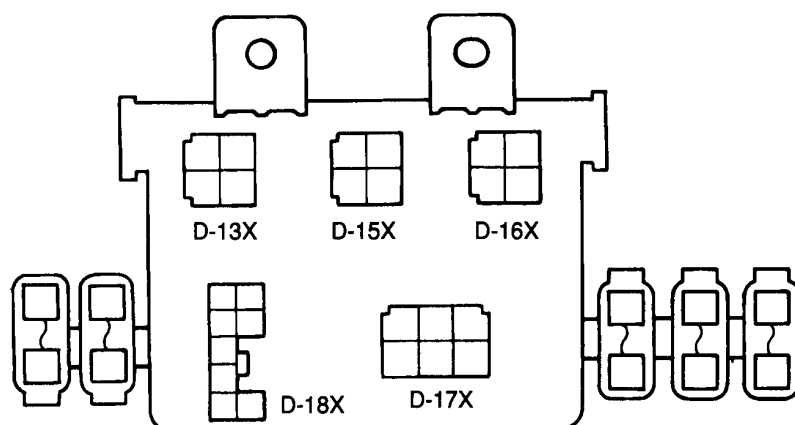
Connector No.	Name	Connector No.	Name
A-26X	A/C compressor relay	A-28X	Condenser fan control relay
A-27X	Condenser fan relay		



16V0067

(Relay box in passenger compartment)

Connector No.	Name	Connector No.	Name
D-13X	Accessory socket relay	D-17X	Defogger timer
D-15X	Rear heater relay	D-18X	Rear intermittent wiper relay
D-16X	Power window relay		



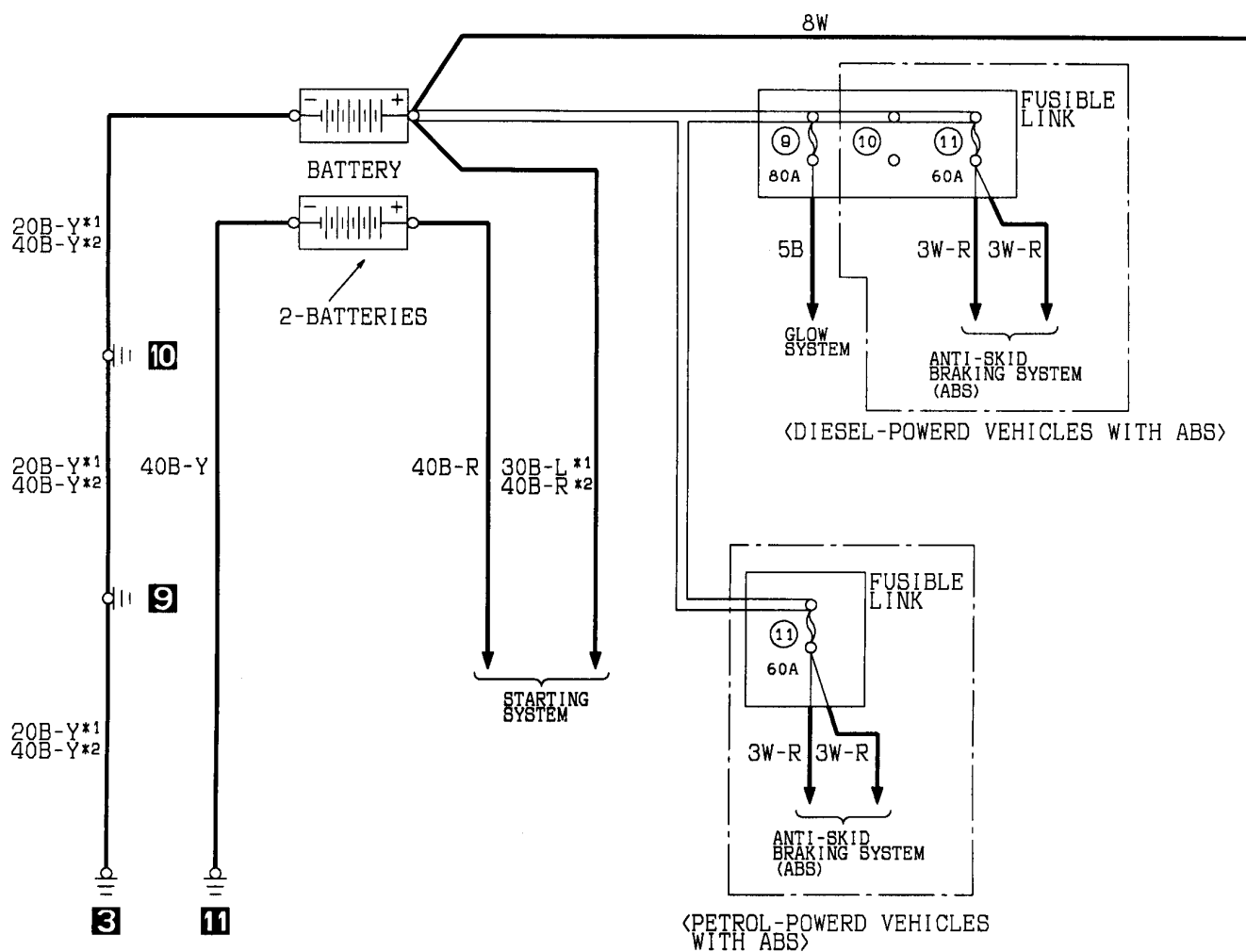
W0255AA

POWER DISTRIBUTION SYSTEM

90100040807

L.H. drive vehicles

1



REMARKS
 *1: PETROL
 *2: DIESEL

(A-25X)

(A-85)

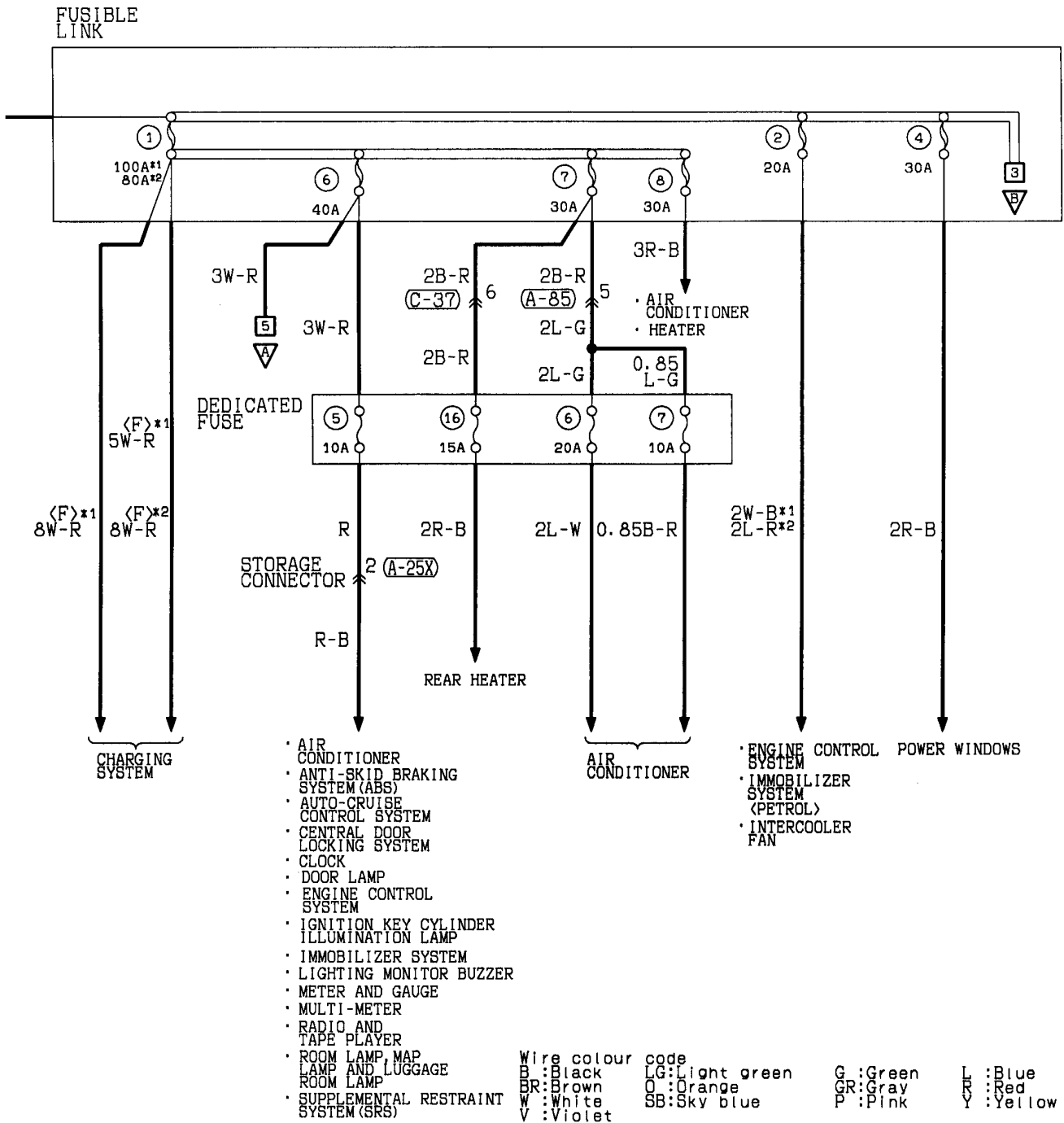
(C-37)

1	2
1	2

1	2	3	4	5
6	7	8	9	10

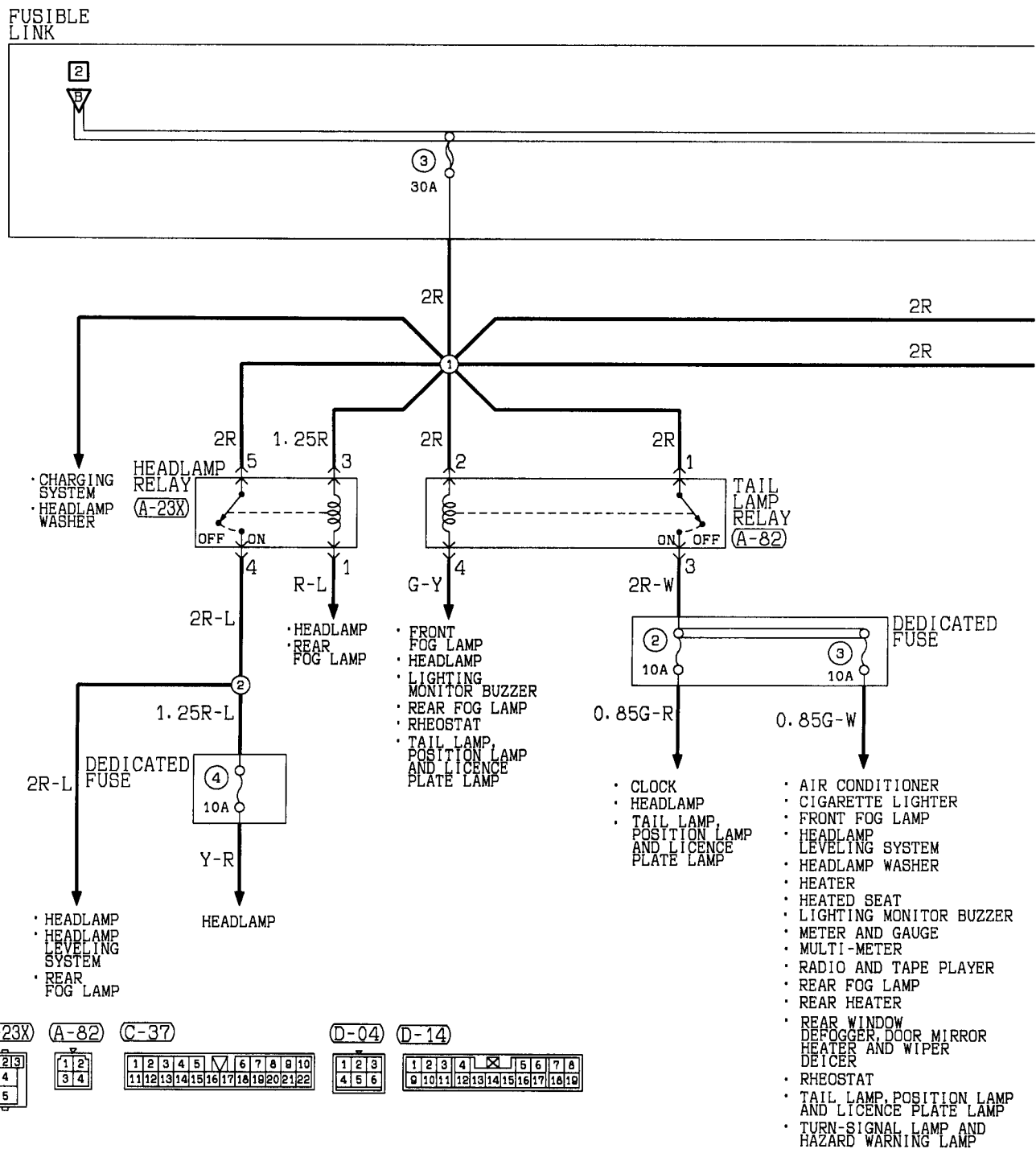
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11	12	13	14	15	16	17	18	19	20
21	22								

2

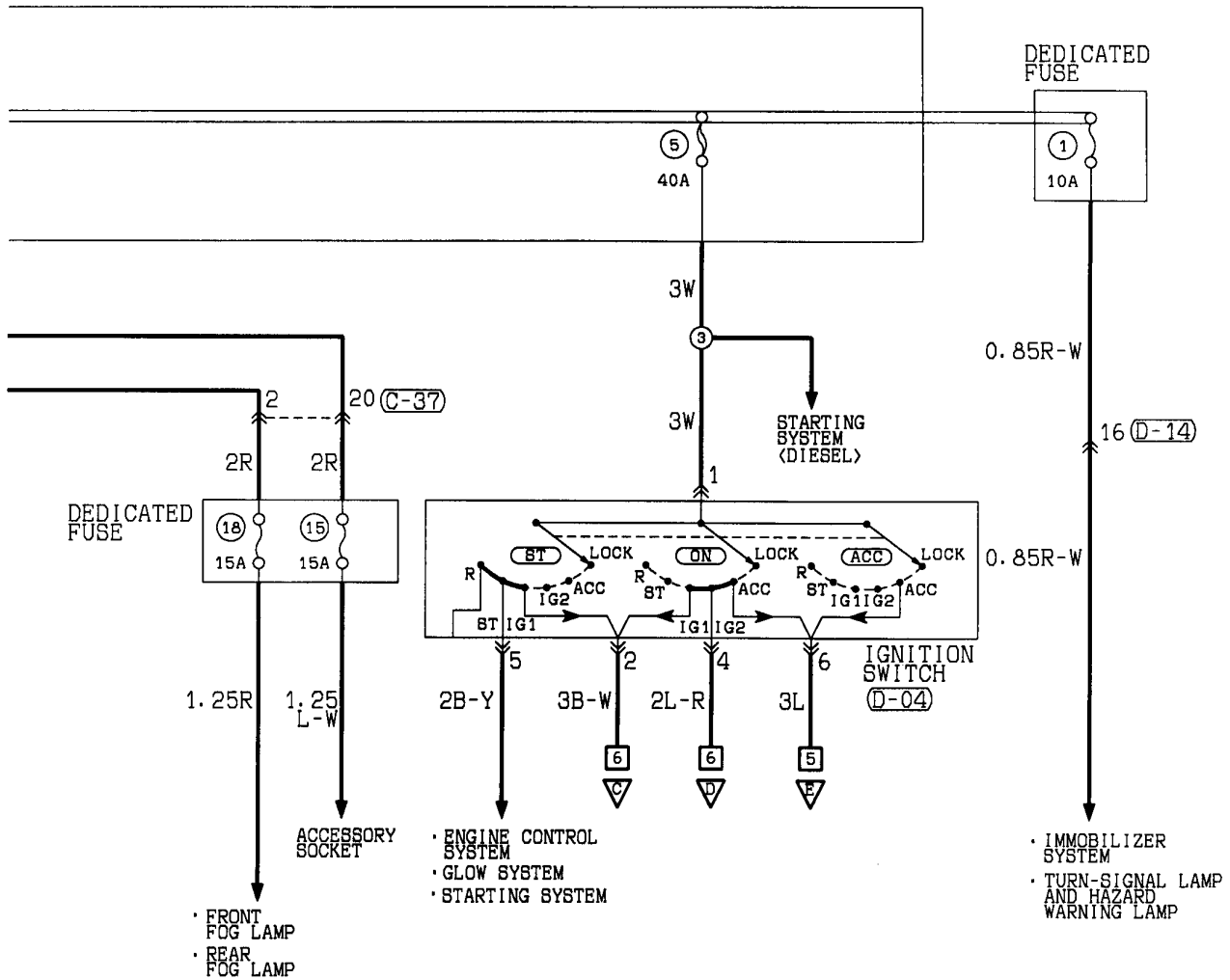


POWER DISTRIBUTION SYSTEM <L.H. drive vehicles> (CONTINUED)

3



4

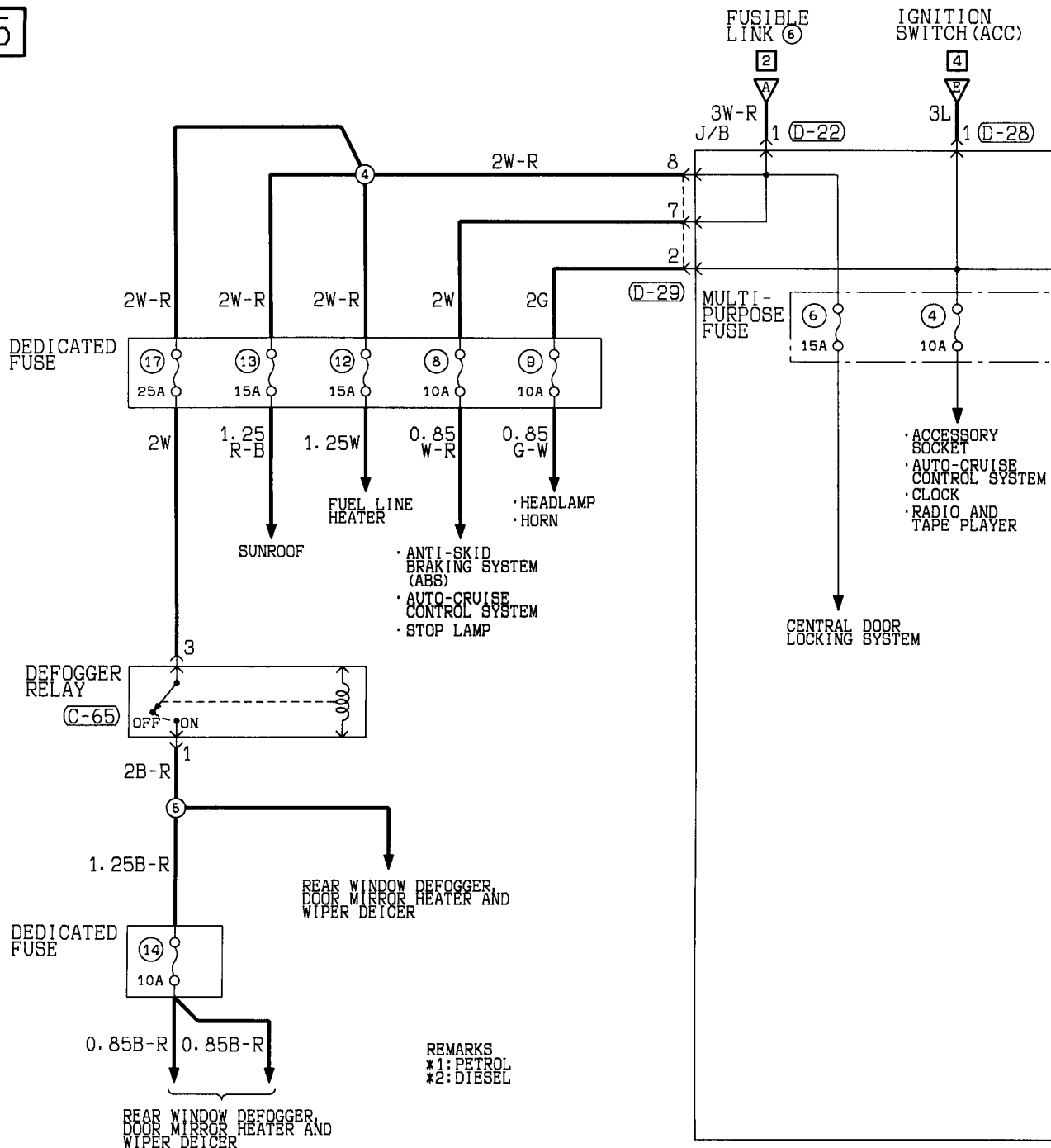


REMARK
THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE IGNITION KEY POSITION "ACC", "ON" AND "ST" COMBINED. BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE IGNITION KEY POSITION.

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

POWER DISTRIBUTION SYSTEM <L.H. drive vehicles> (CONTINUED)

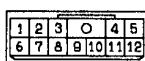
5



(C-65)



(D-21)



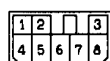
(D-22)

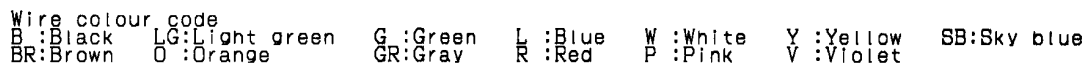


(D-28)



(D-29)



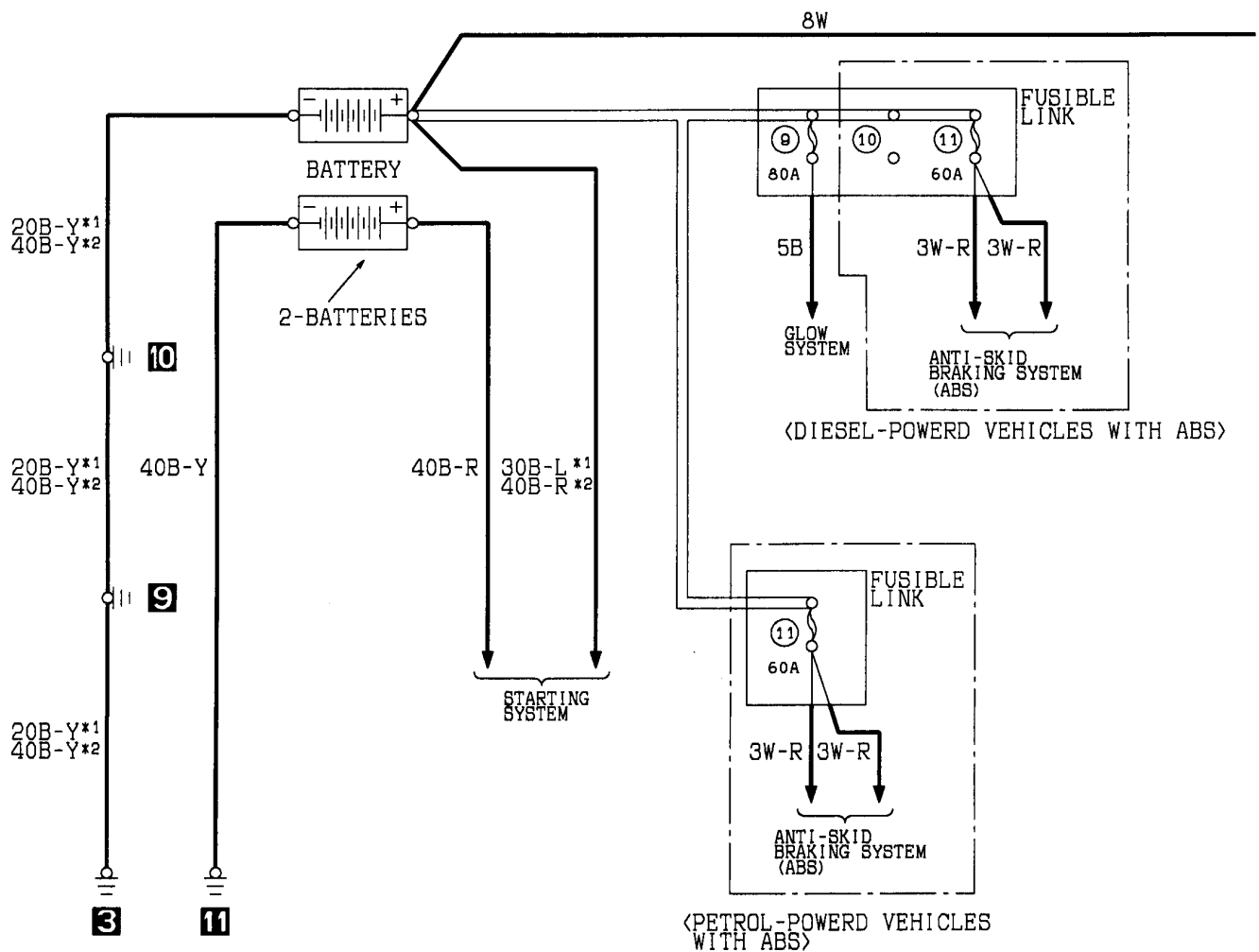


POWER DISTRIBUTION SYSTEM

90100040814

R.H. drive vehicles

1



REMARKS
 *1: PETROL
 *2: DIESEL

(A-25X)

(A-85)

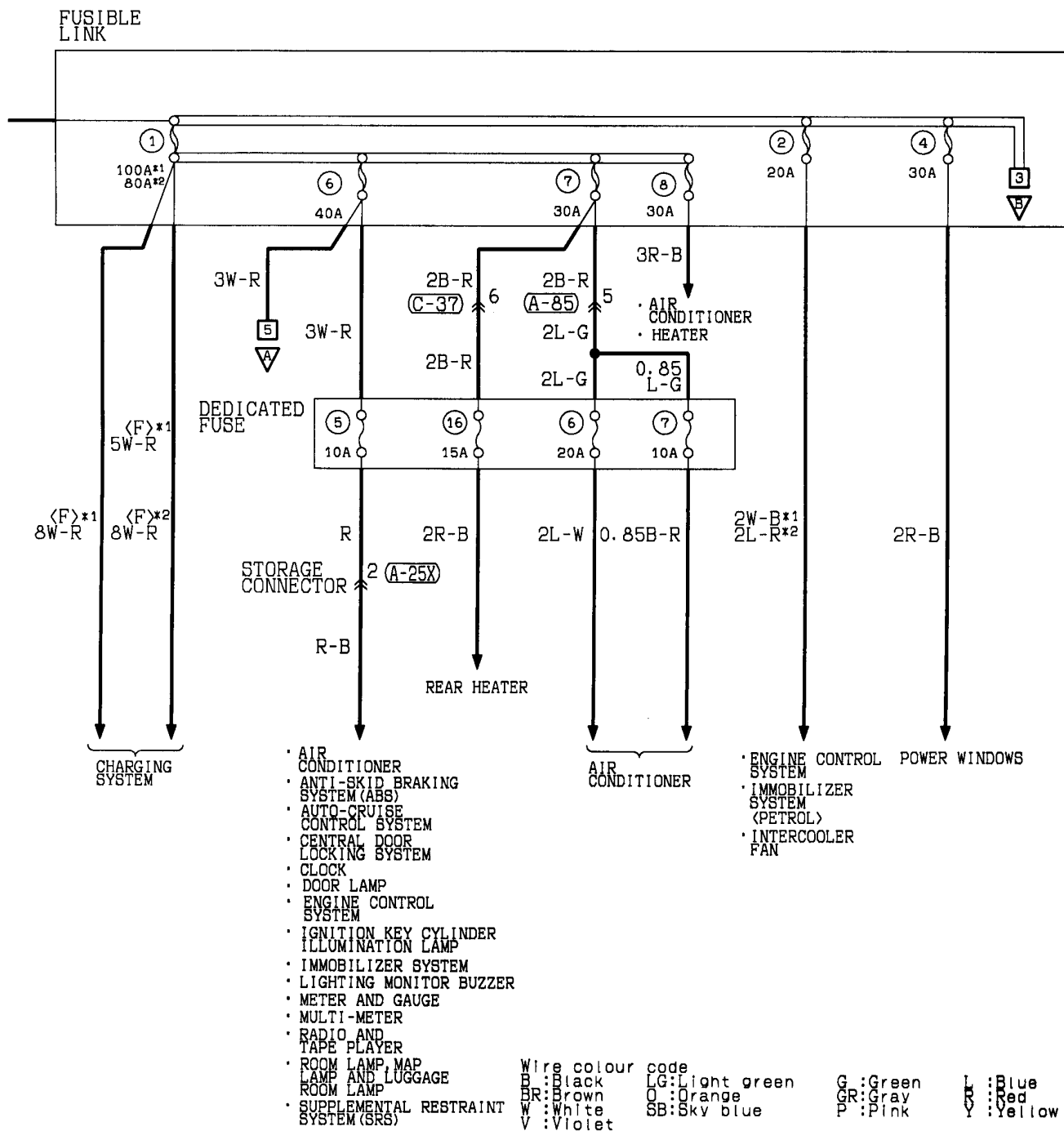
(C-37)

1	2
---	---

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

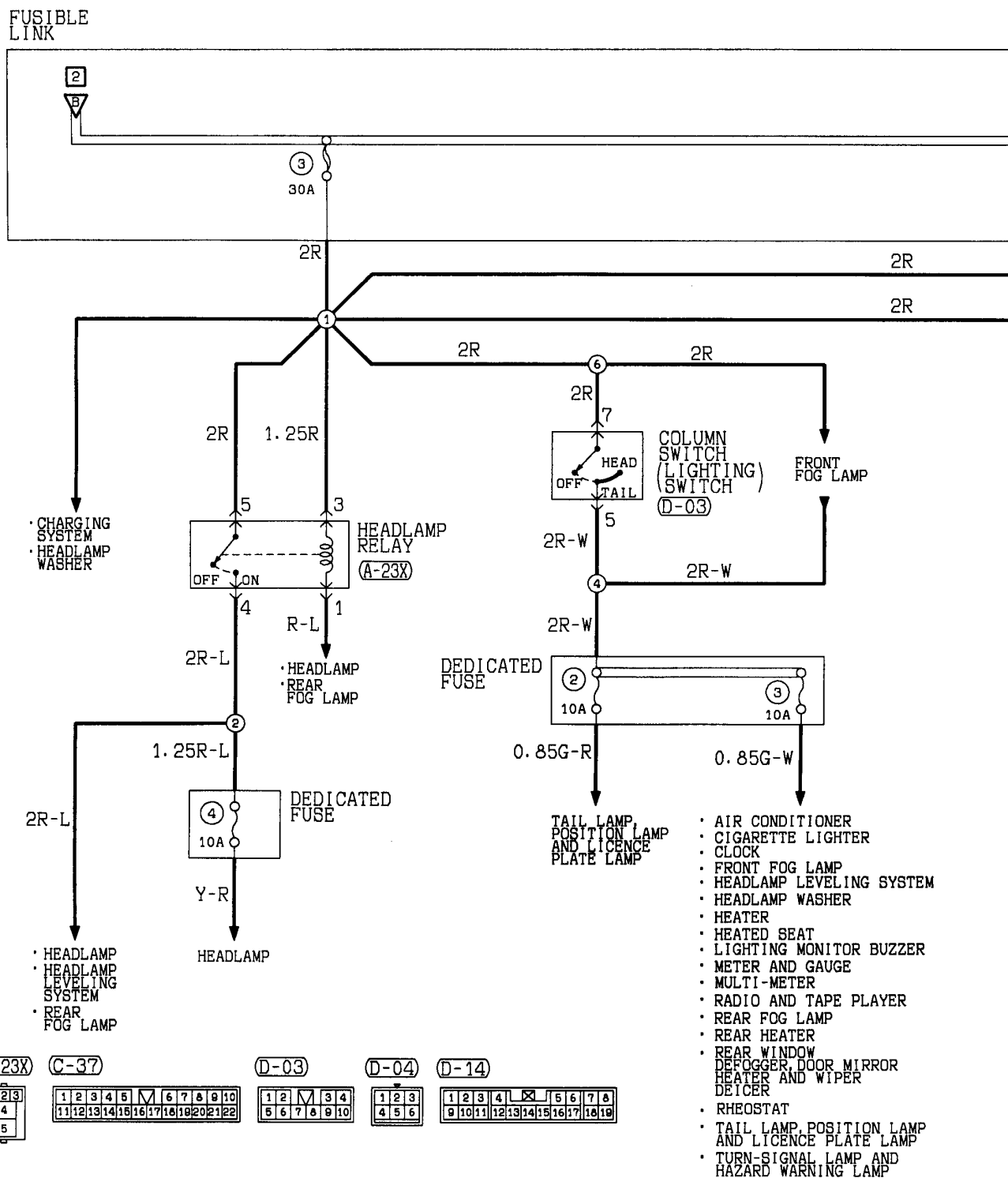
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11	12	13	14	15	16	17	18	19	20
21	22								

2

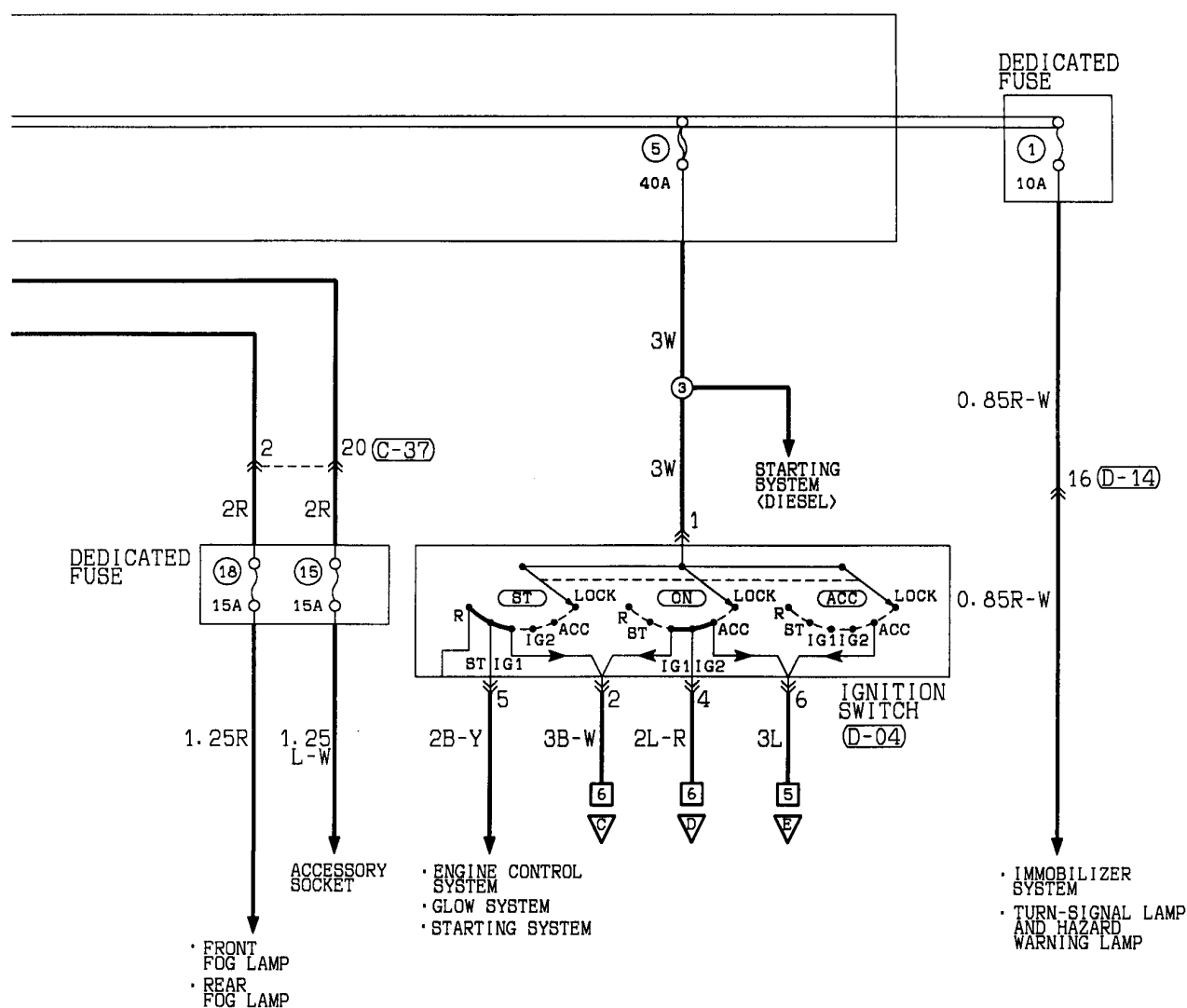


POWER DISTRIBUTION SYSTEM <R.H. drive vehicles> (CONTINUED)

3



4

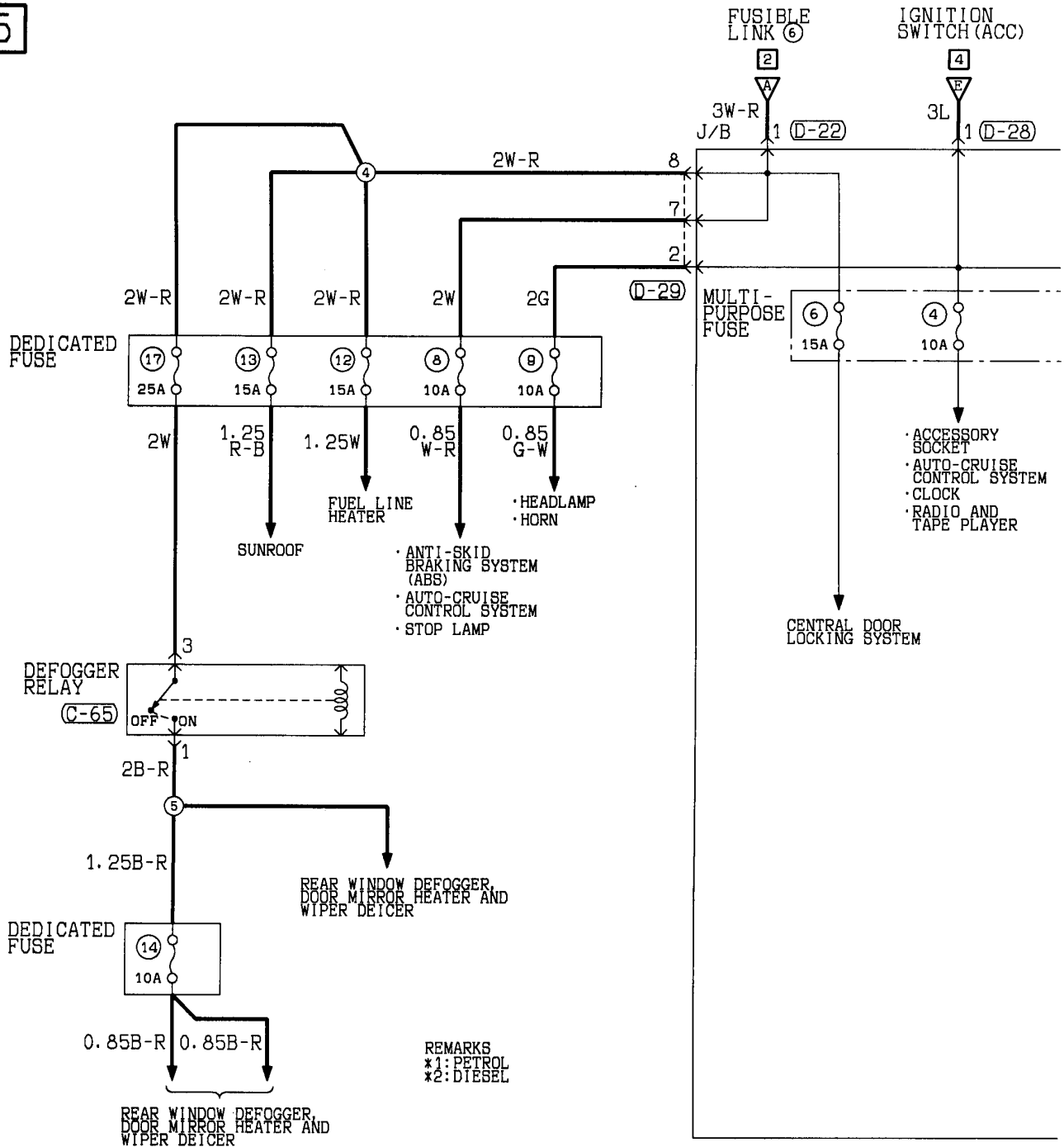


REMARK
 THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE
 IGNITION KEY POSITION "ACC", "ON" AND "ST" COMBINED.
 BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE
 IGNITION KEY POSITION.

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

POWER DISTRIBUTION SYSTEM <R.H. drive vehicles> (CONTINUED)

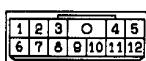
5



(C-65)



(D-21)



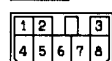
(D-22)

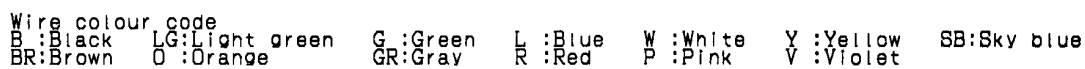


(D-28)



(D-29)

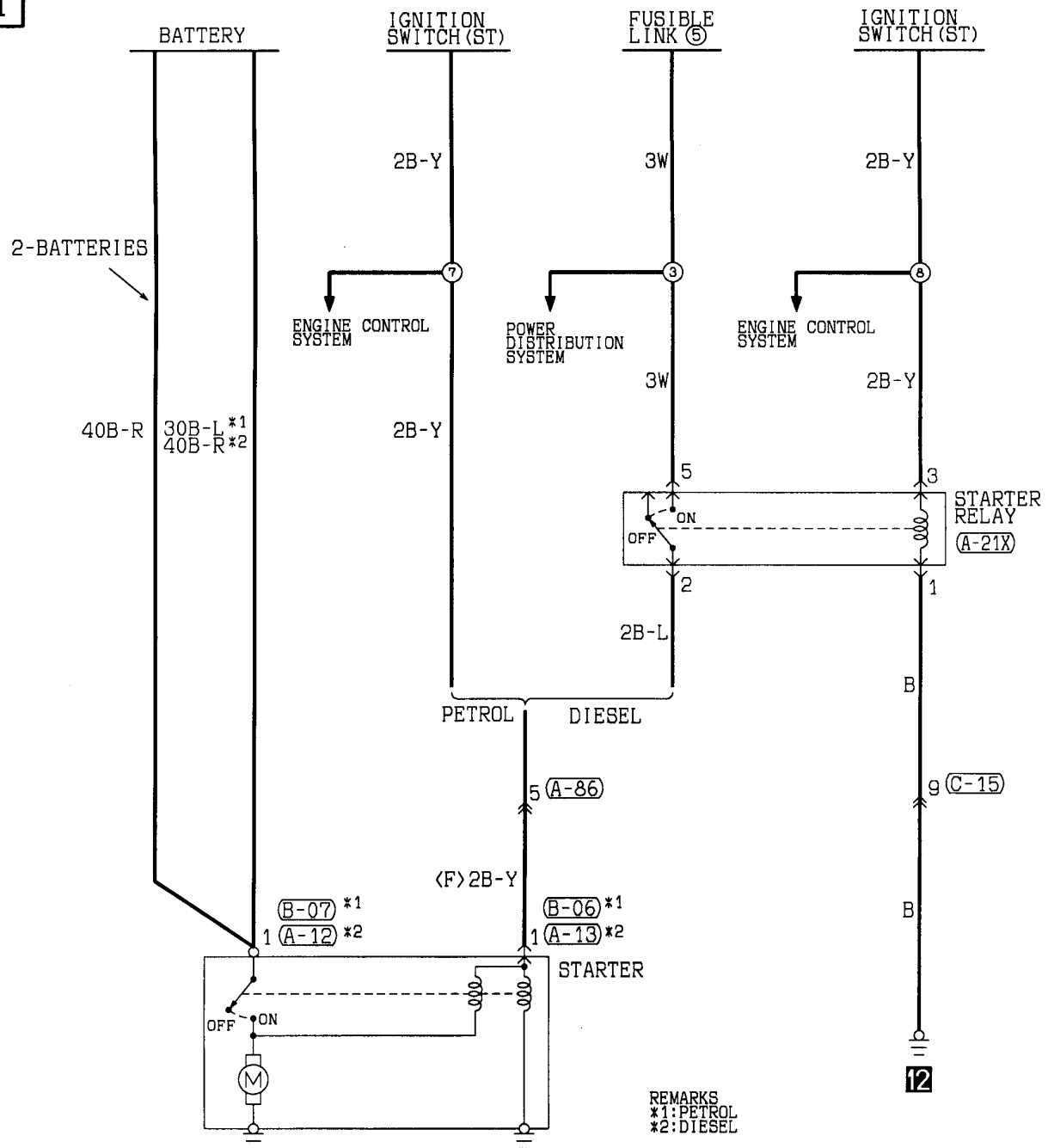




STARTING SYSTEM

90100051115

1



(A-12) (A-13) (A-21X) (A-86) (B-06) (B-07) (C-15)

①

①

1	2	3
4	5	6

1	2	3
4	5	6

①

①

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

Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

R : Red

P : Pink

V : Violet

9P02E00AA

STARTING SYSTEM (See P. 4-28.)

90100051122

OPERATION

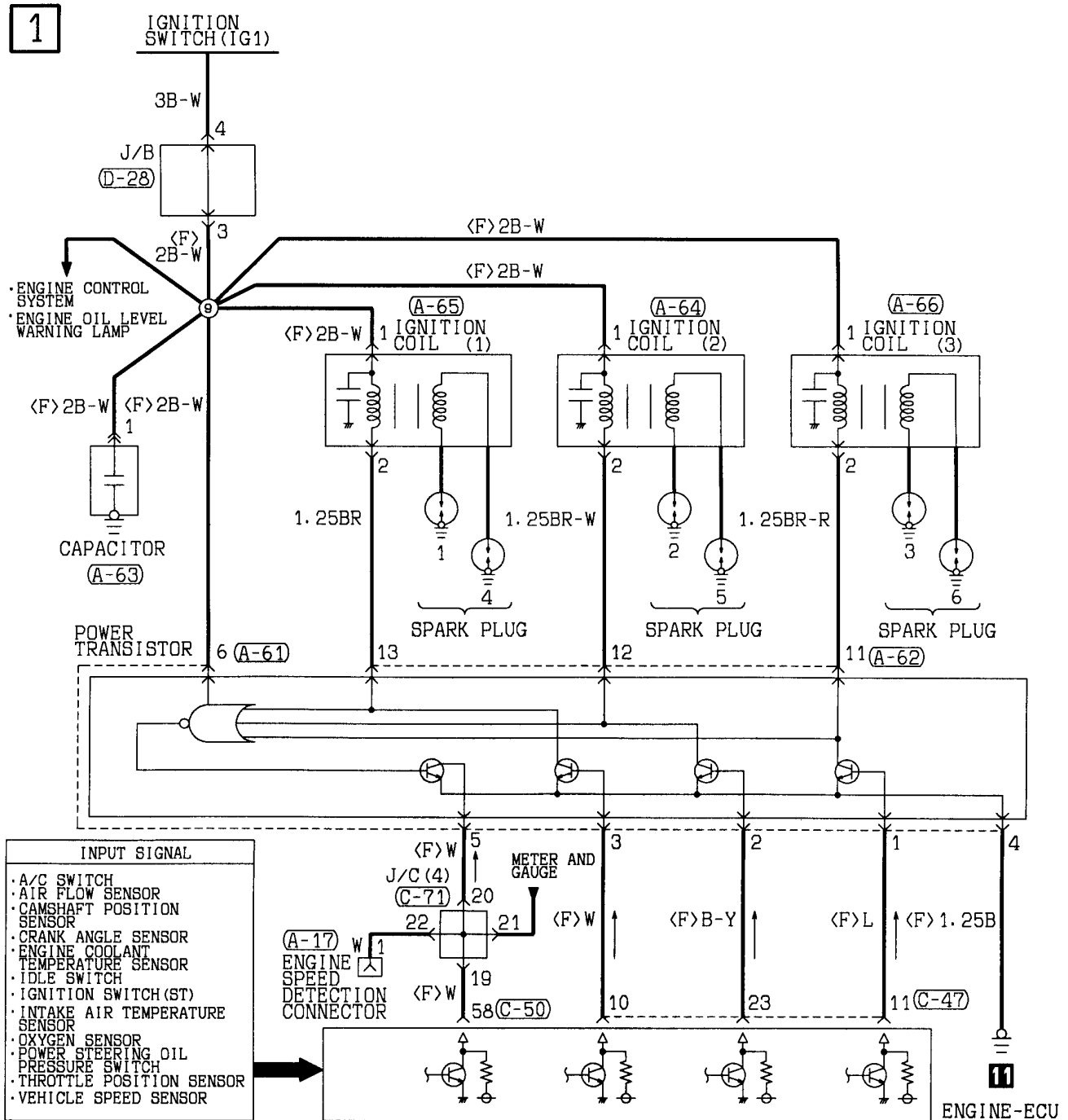
For diesel-powered vehicles, when the ignition switch is turned to ST position, the starter relay turns on. This causes the starter contact (magnet switch) to close, and the starter motor operates.

TROUBLESHOOTING HINTS

1. Starter motor does not turn over at all.
 - Check starter (coil).
 - Check battery terminals for proper contact.
 - Starter relay inspection (diesel-powered vehicle).
2. Starter motor does not stop rotating.
 - Check starter (magnet switch).

IGNITION SYSTEM

90100061033

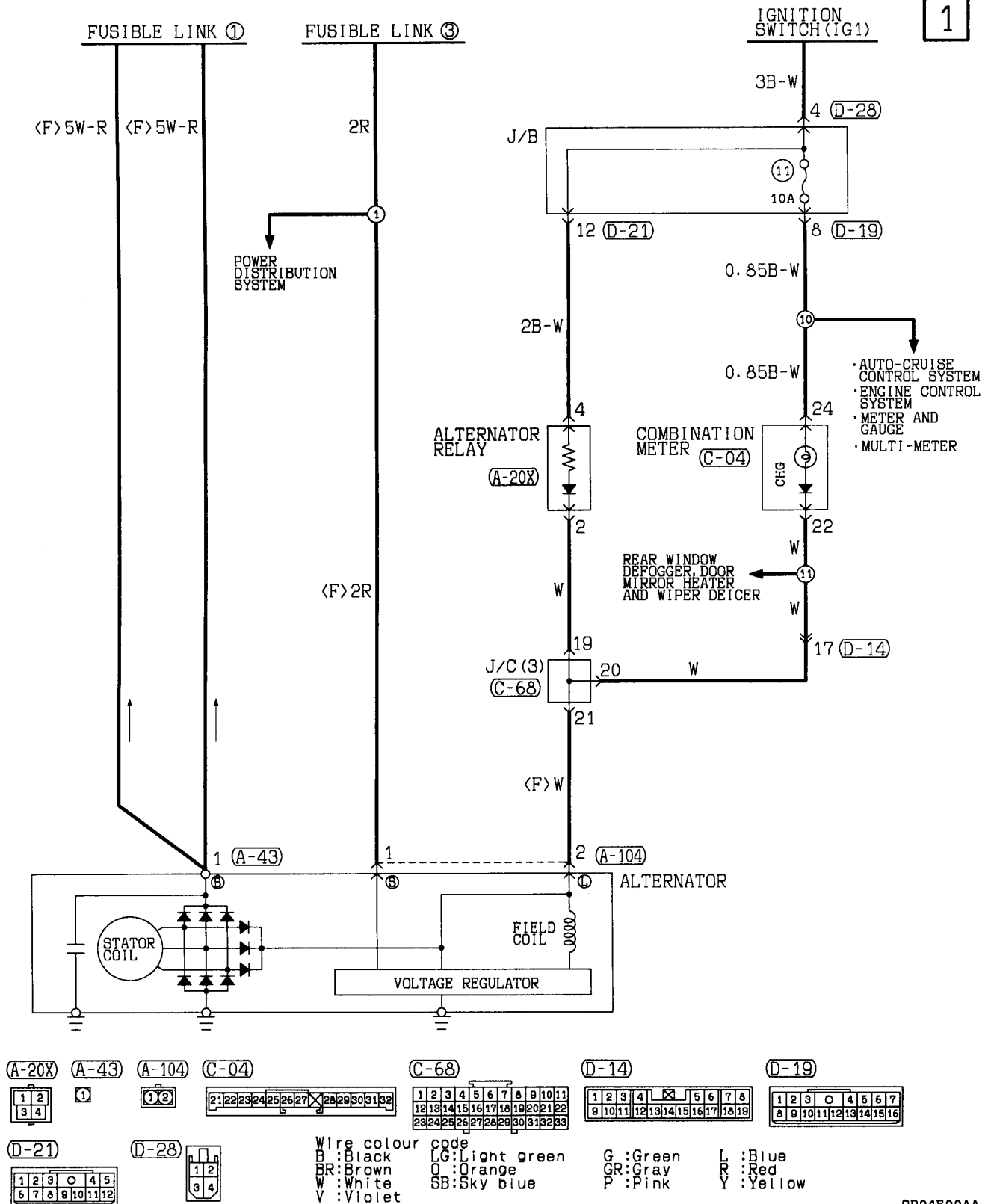


CHARGING SYSTEM

90100070899

Petrol-powered vehicles

1

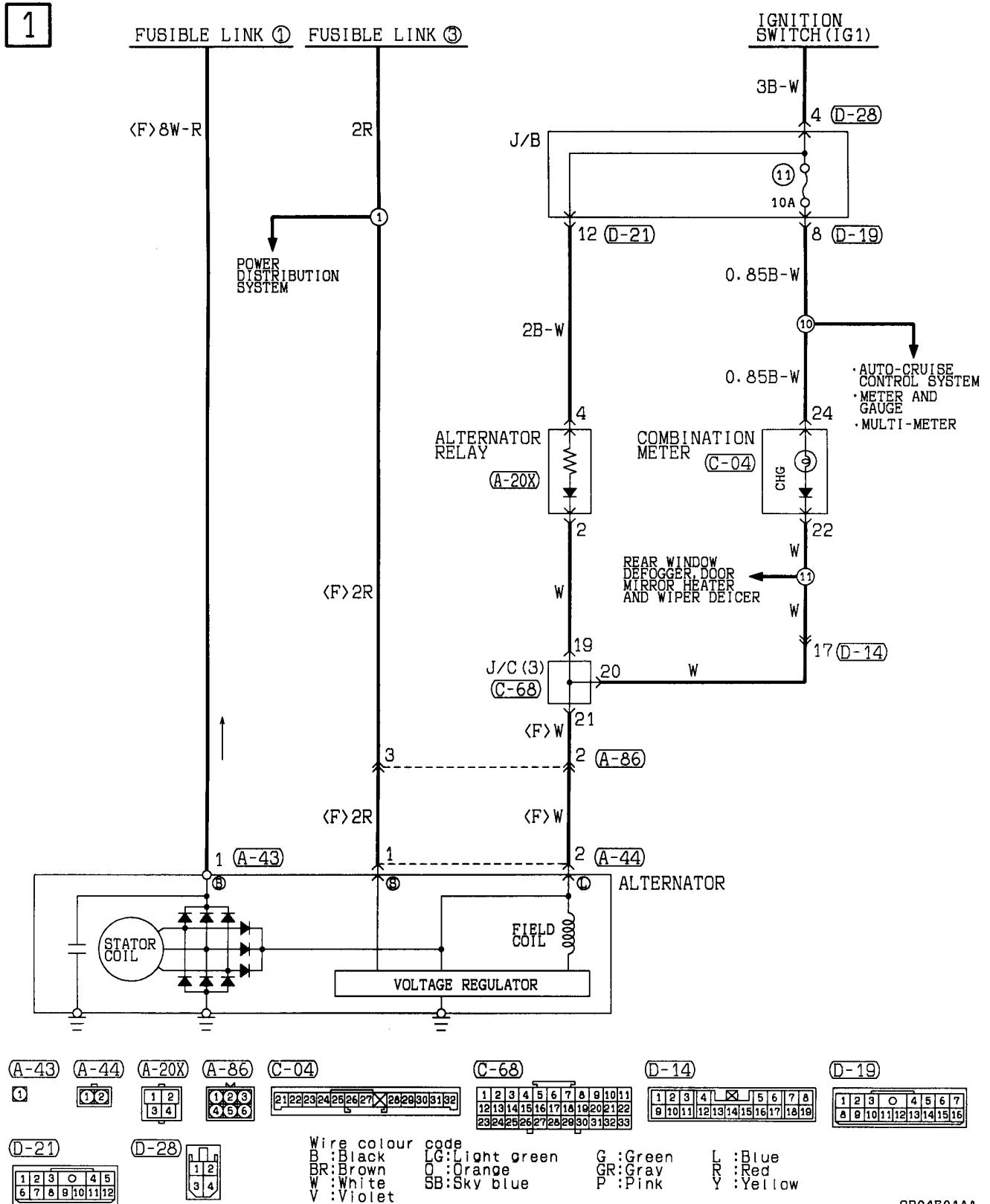


9P04E00AA

CHARGING SYSTEM

90100070905

Diesel-powered vehicles



CHARGING SYSTEM (See P. 4-31, 32.)

90100070912

OPERATION

- 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

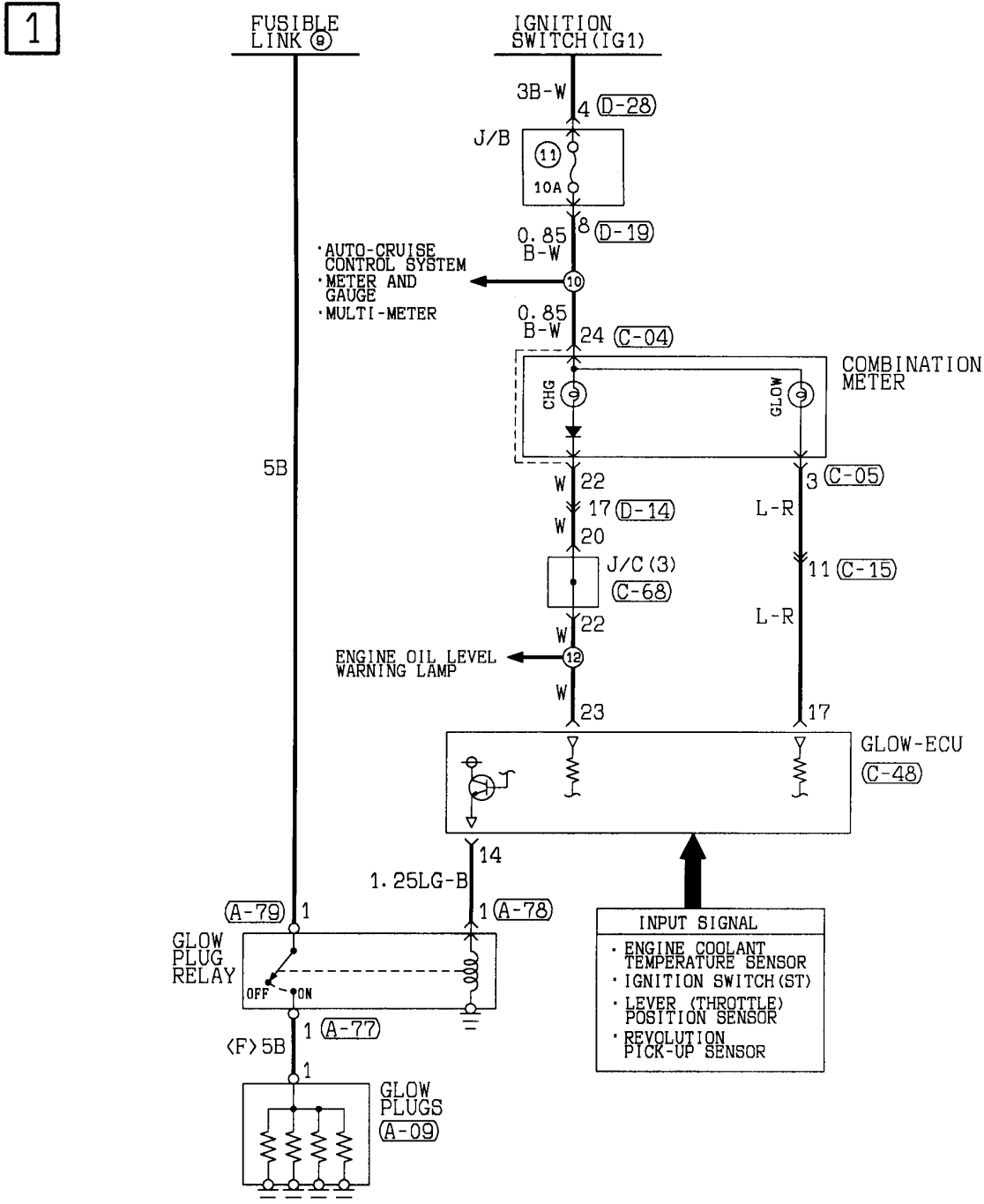
- The alternator relay or auto choke relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

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. (11)
 - 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).

GLOW SYSTEM

90100090116



(A-09) (A-77) (A-78) (A-79) (C-04)

①

①

①

①

21 22 23 24 25 26 27 28 29 30 31 32

(C-05)

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

(C-15)

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

(C-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

(C-68)

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

(D-19)

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

(D-14)

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

(D-28)

1 2 3 4

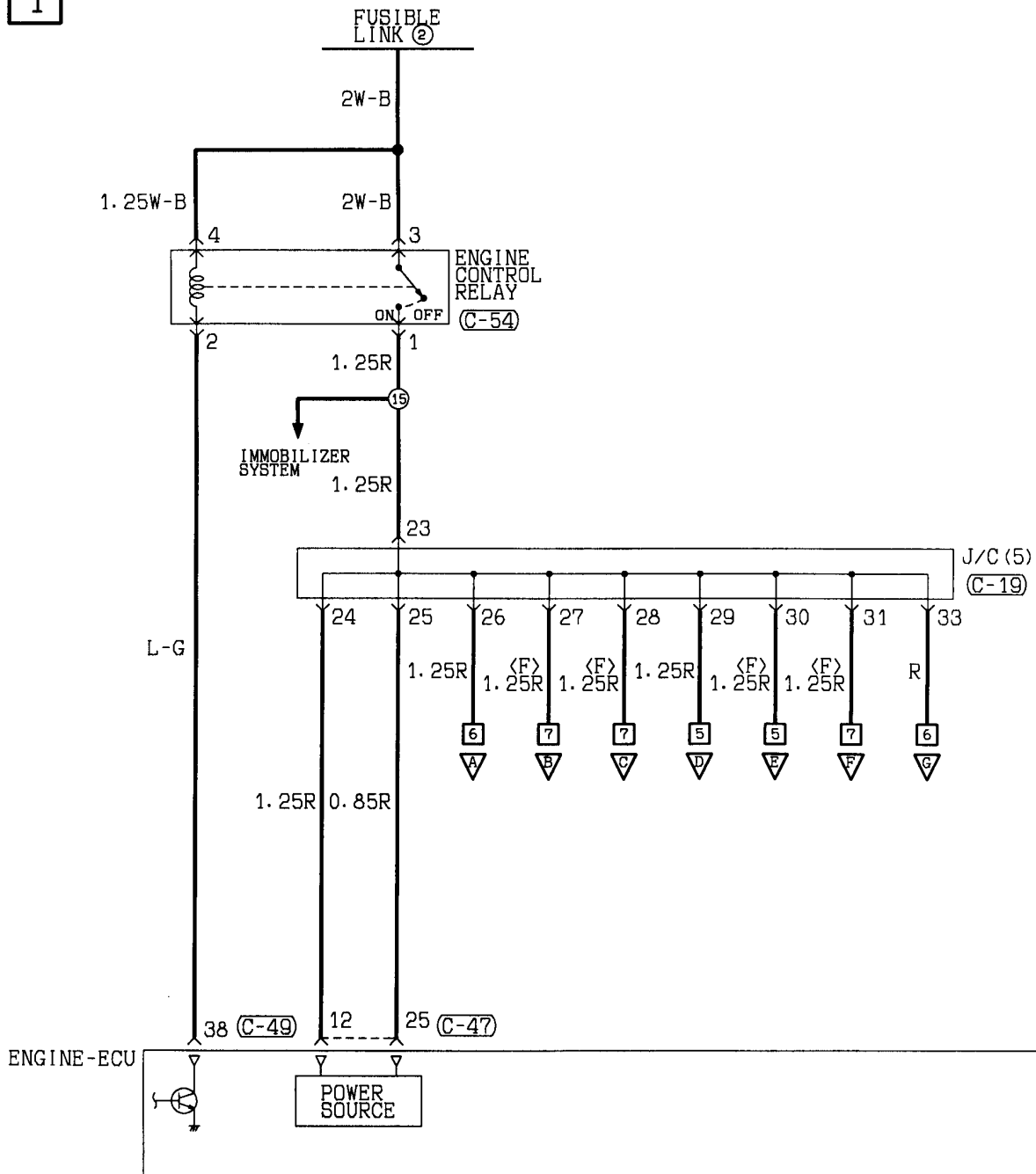
NOTES

ENGINE CONTROL SYSTEM

90100081893

MPI

1



(A-63)

(C-17)

(C-19)

(C-47)

(C-49)

(C-51)



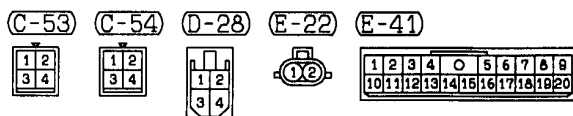
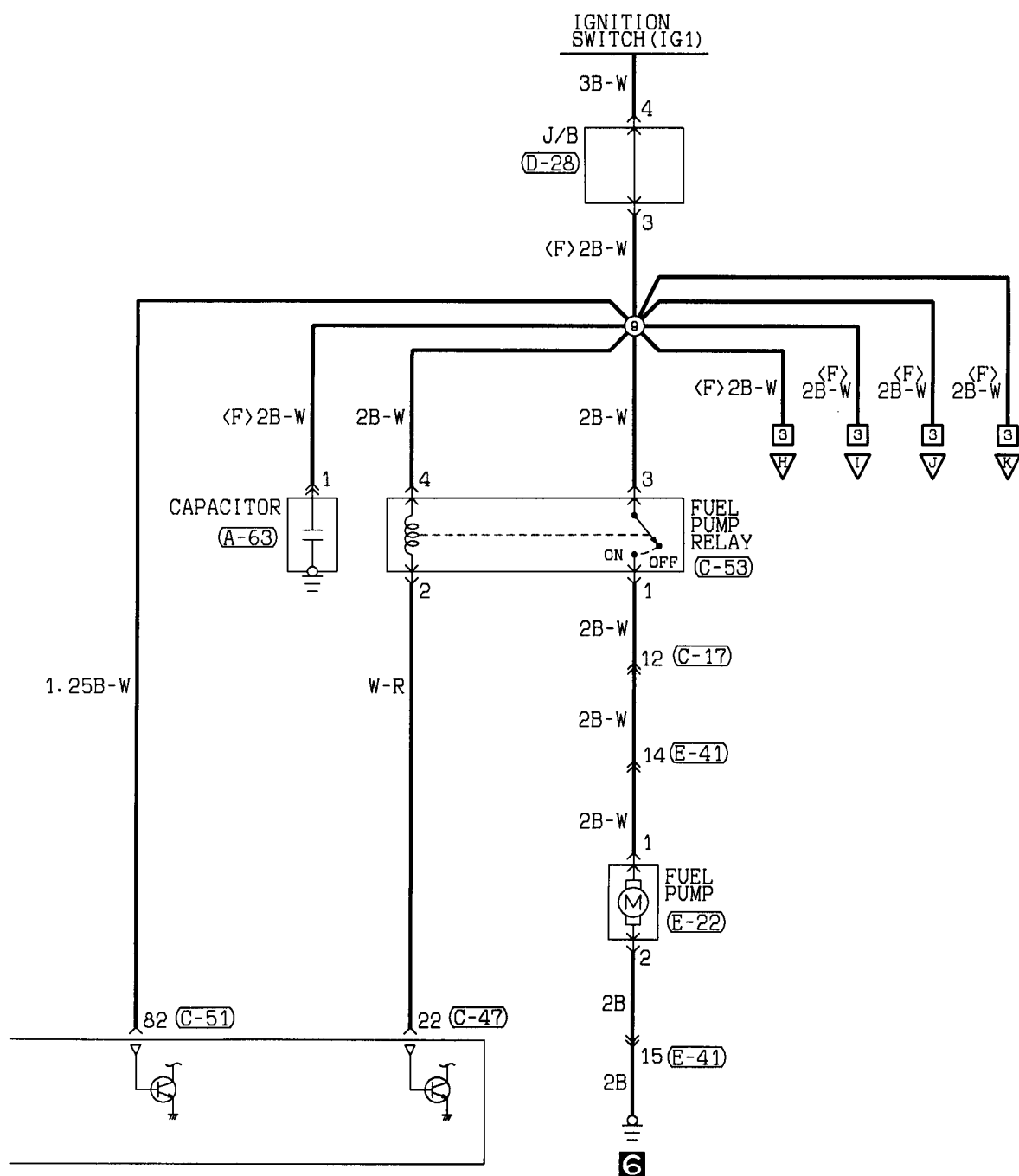
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11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

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

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

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

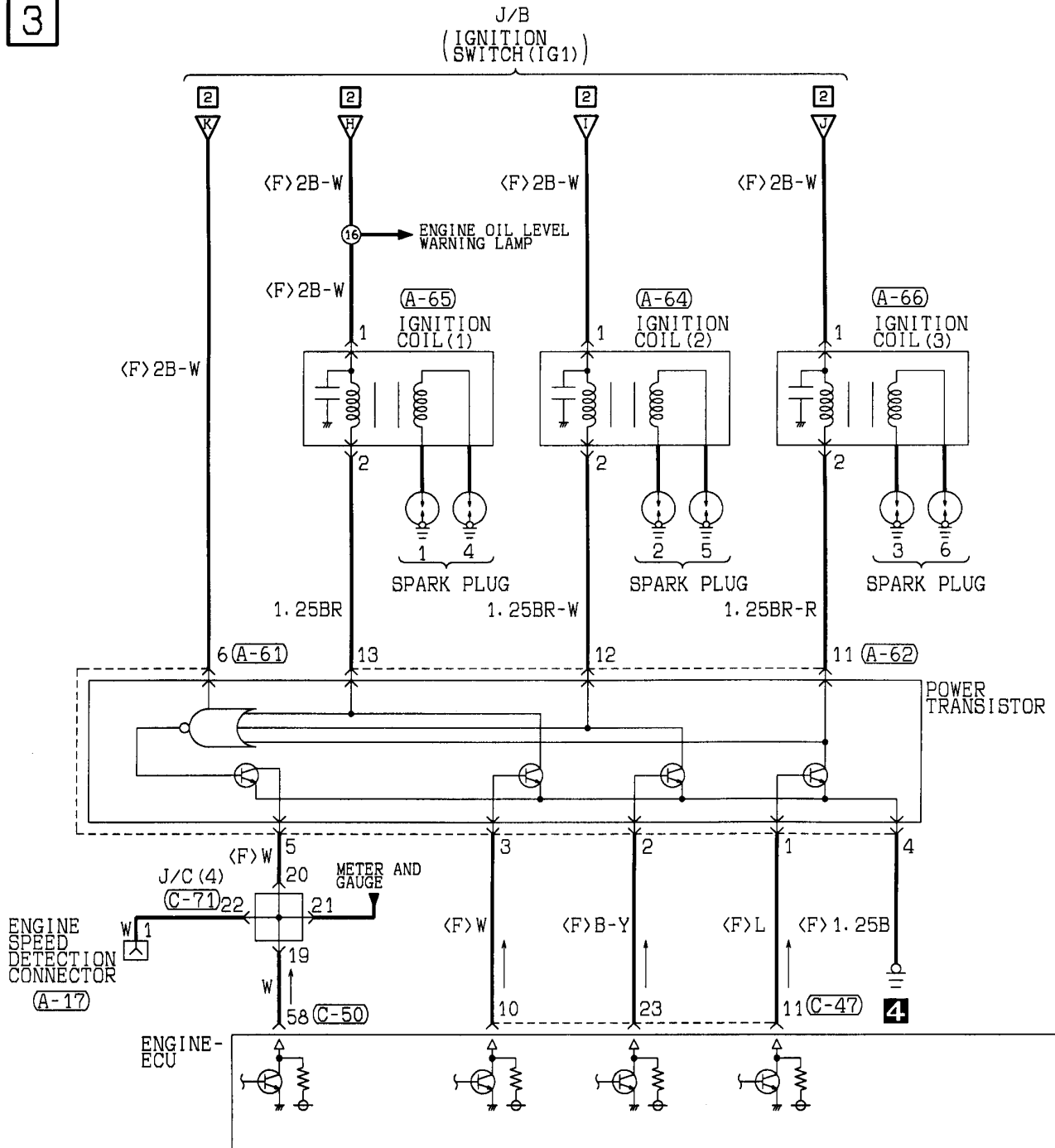
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40



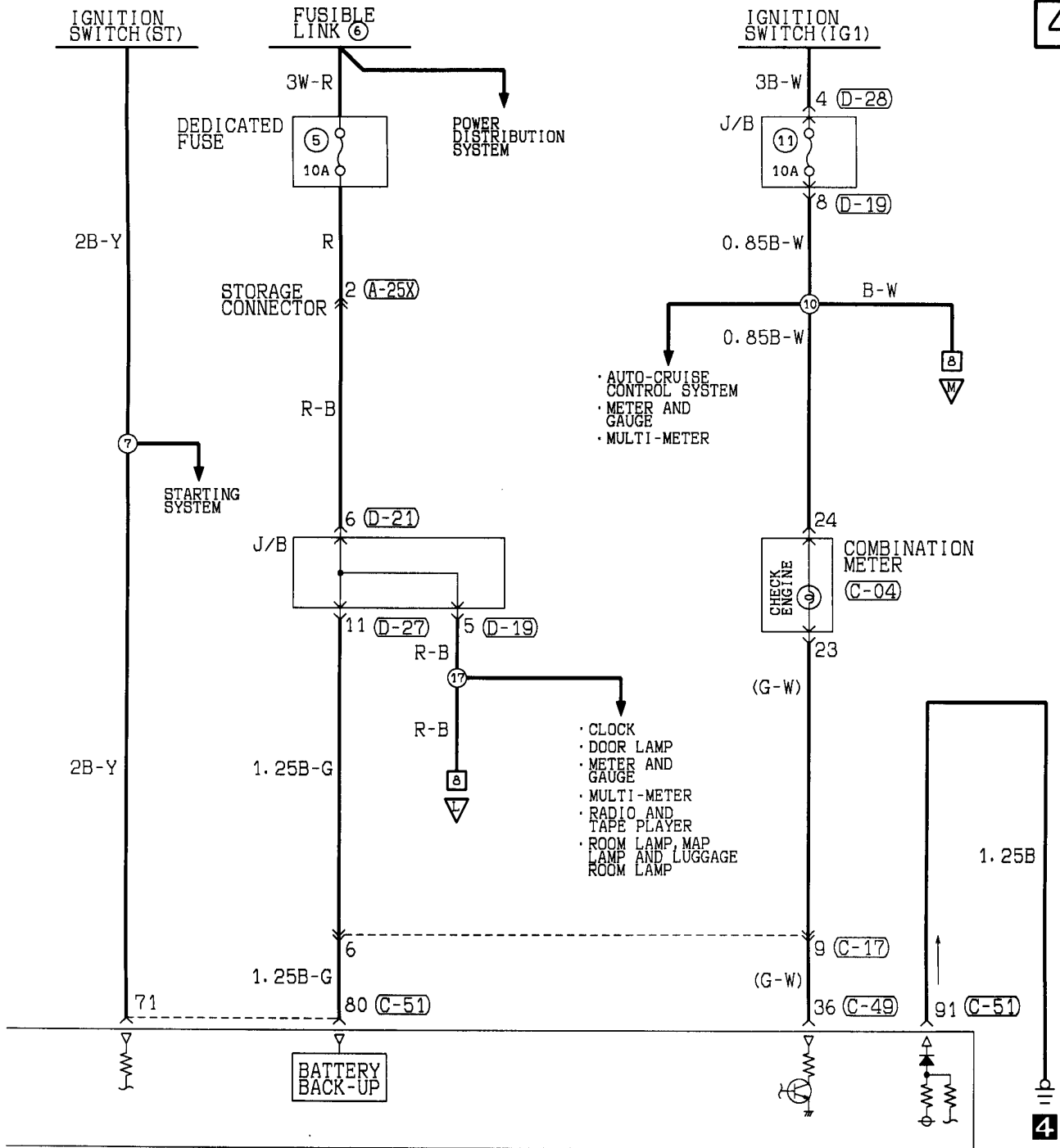
Wire colour code
B :Black LG:Light green G :Green L :Blue W :White Y :Yellow SB:Sky blue
BR:Brown O :Orange GR:Gray R :Red P :Pink V :Violet

ENGINE CONTROL SYSTEM <MPI> (CONTINUED)

3



4



(C-47)

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

(C-49)

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

(C-50)

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

(C-51)

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

(C-71)

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

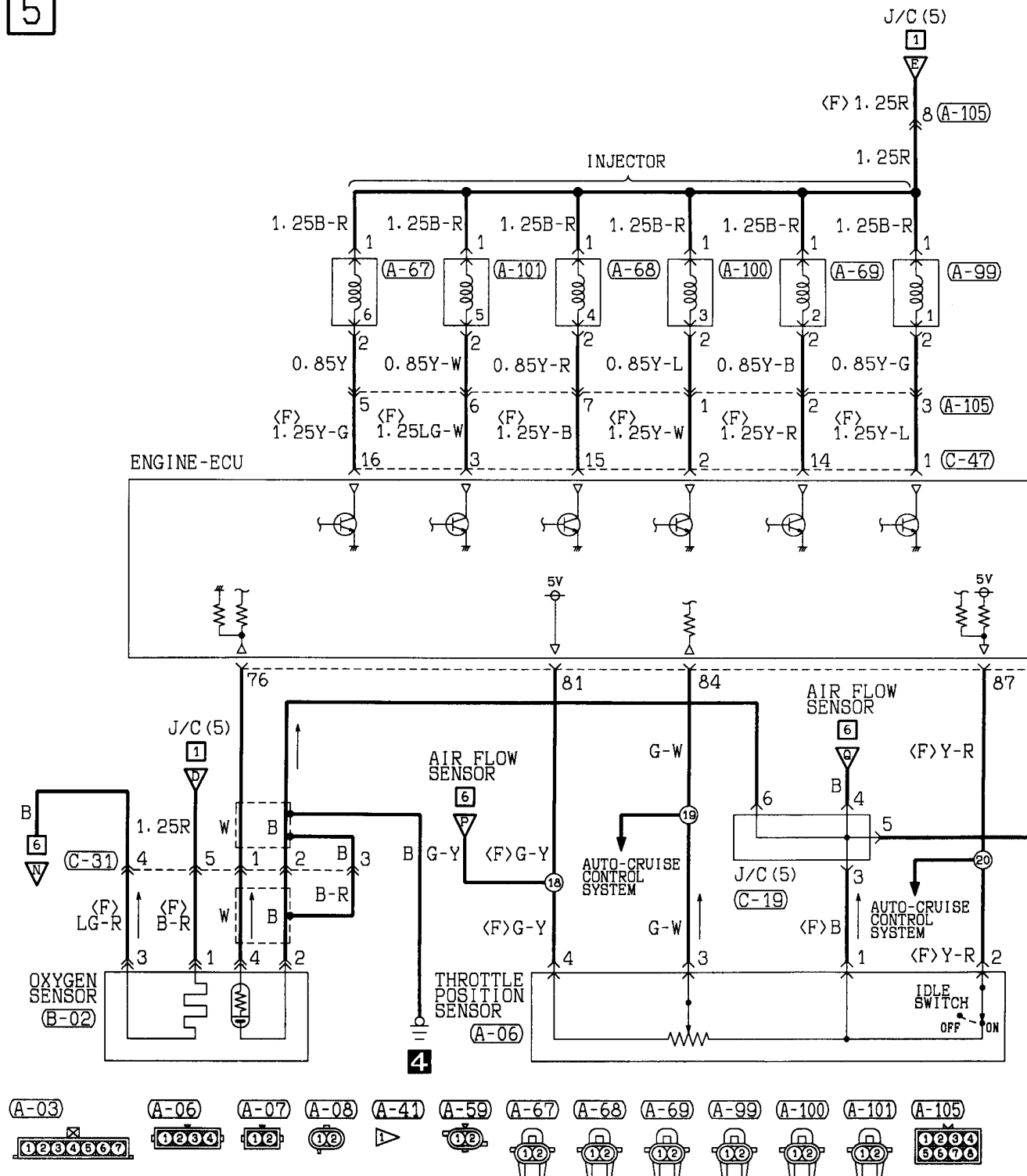
(D-19)

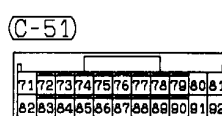
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

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

ENGINE CONTROL SYSTEM <MPI> (CONTINUED)

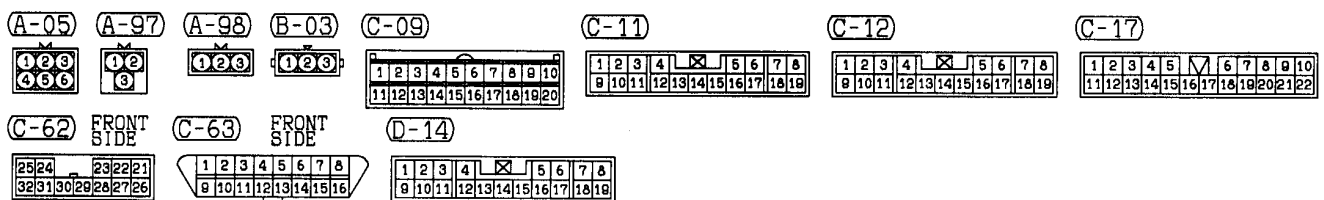
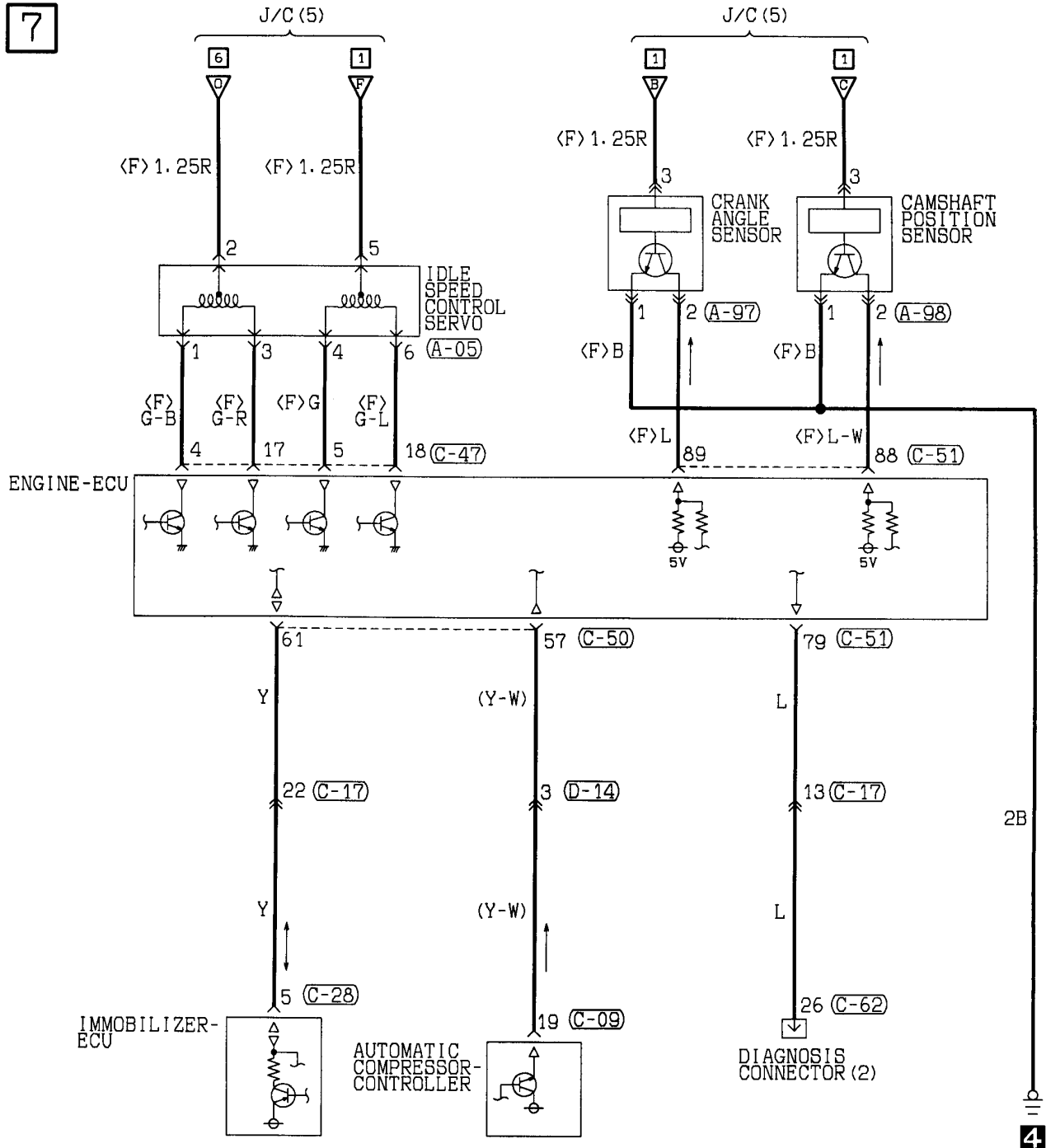
5



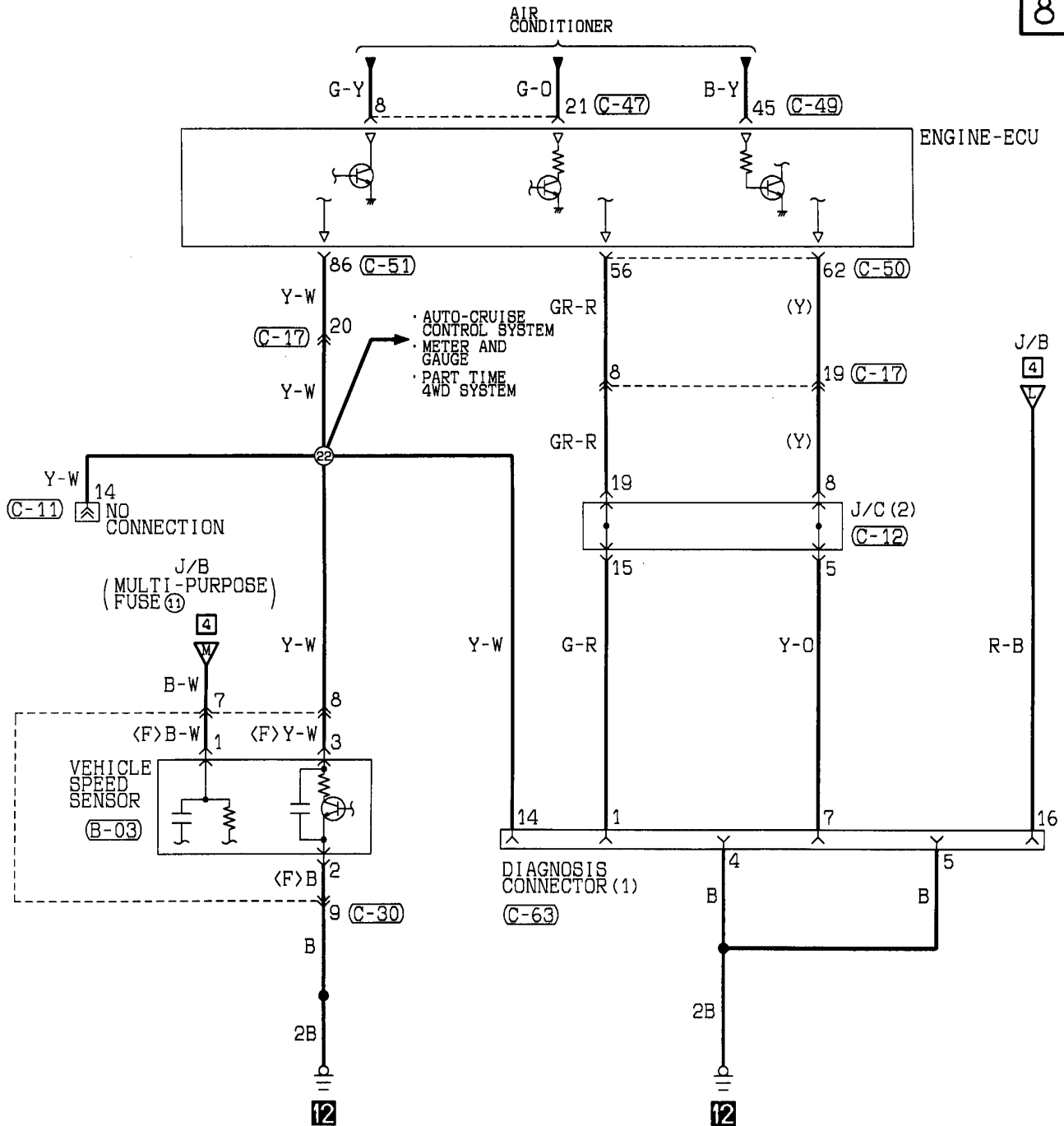


Wire colour code
B :Black LG:Light green G :Green L :Blue W :White Y :Yellow SB:Sky blue
BR:Brown O :Orange GR:Gray R :Red P :Pink V :Violet

ENGINE CONTROL SYSTEM <MPI> (CONTINUED)



8



C-28

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

C-30

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

C-47

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

C-49

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

C-50

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

C-51

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

Wire colour code

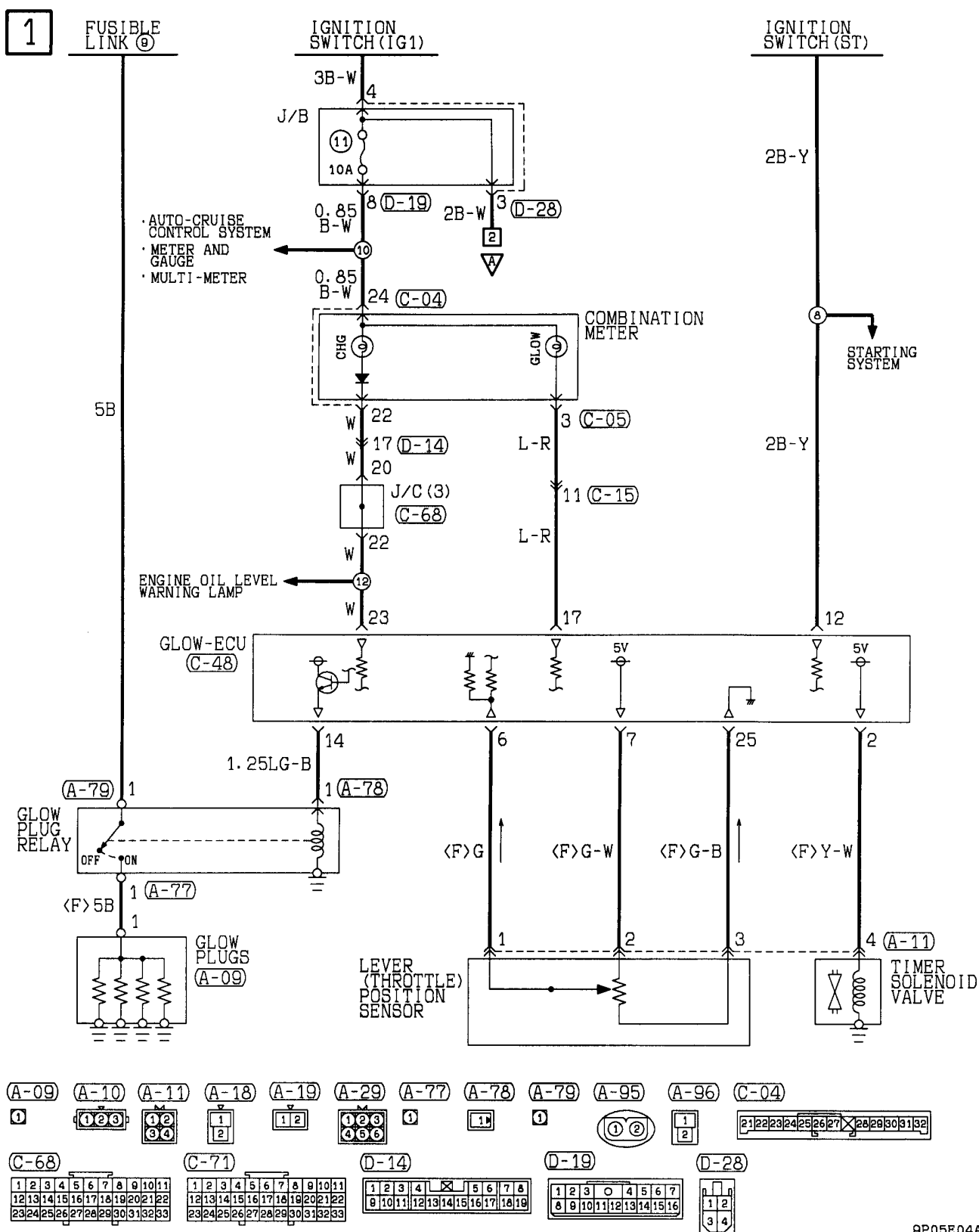
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

9P05E03DB

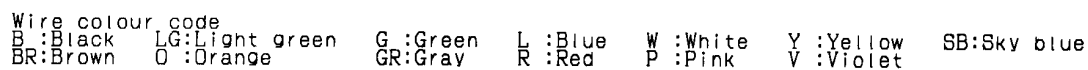
ENGINE CONTROL SYSTEM

90100081909

Diesel



9P05E04AA

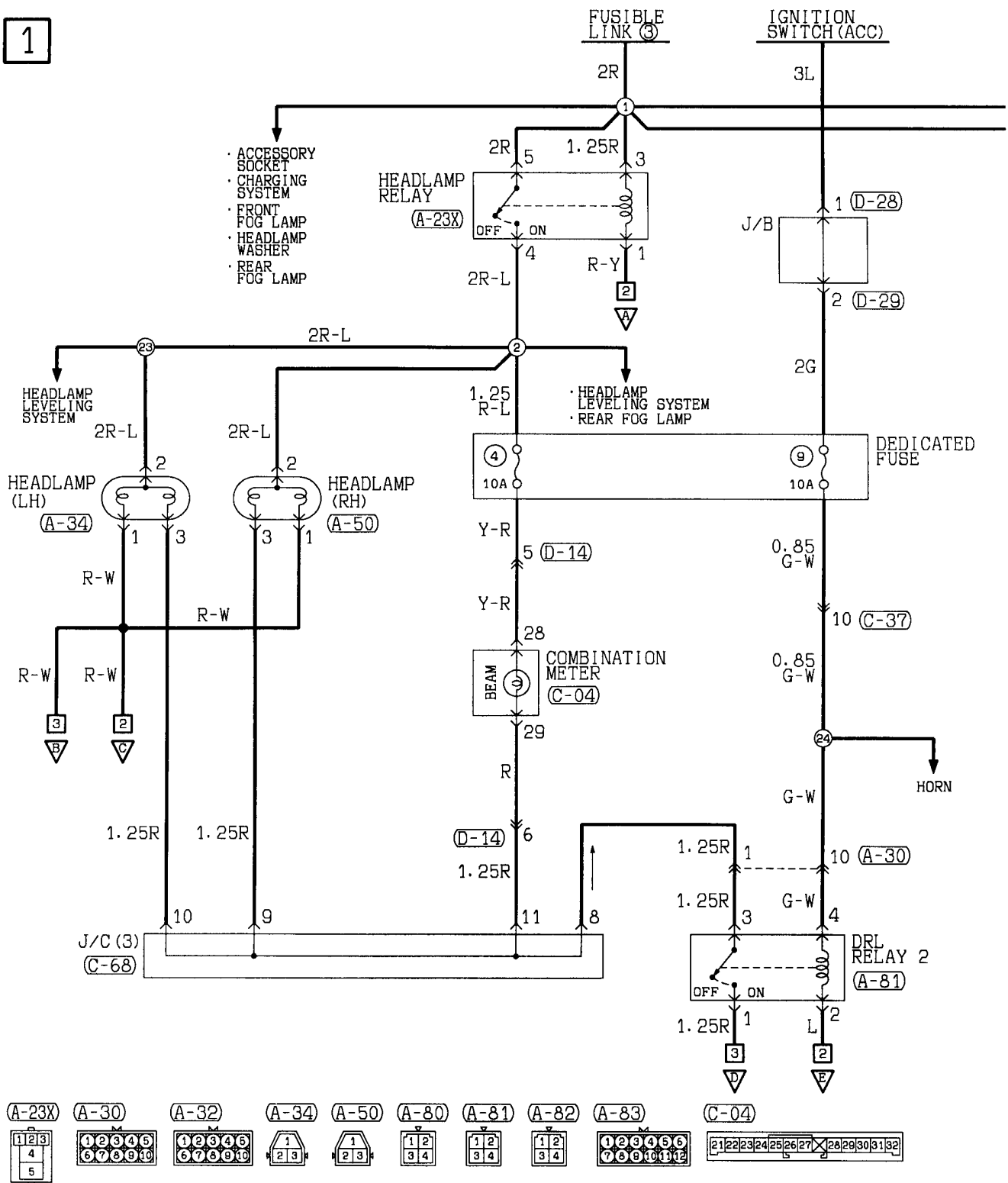


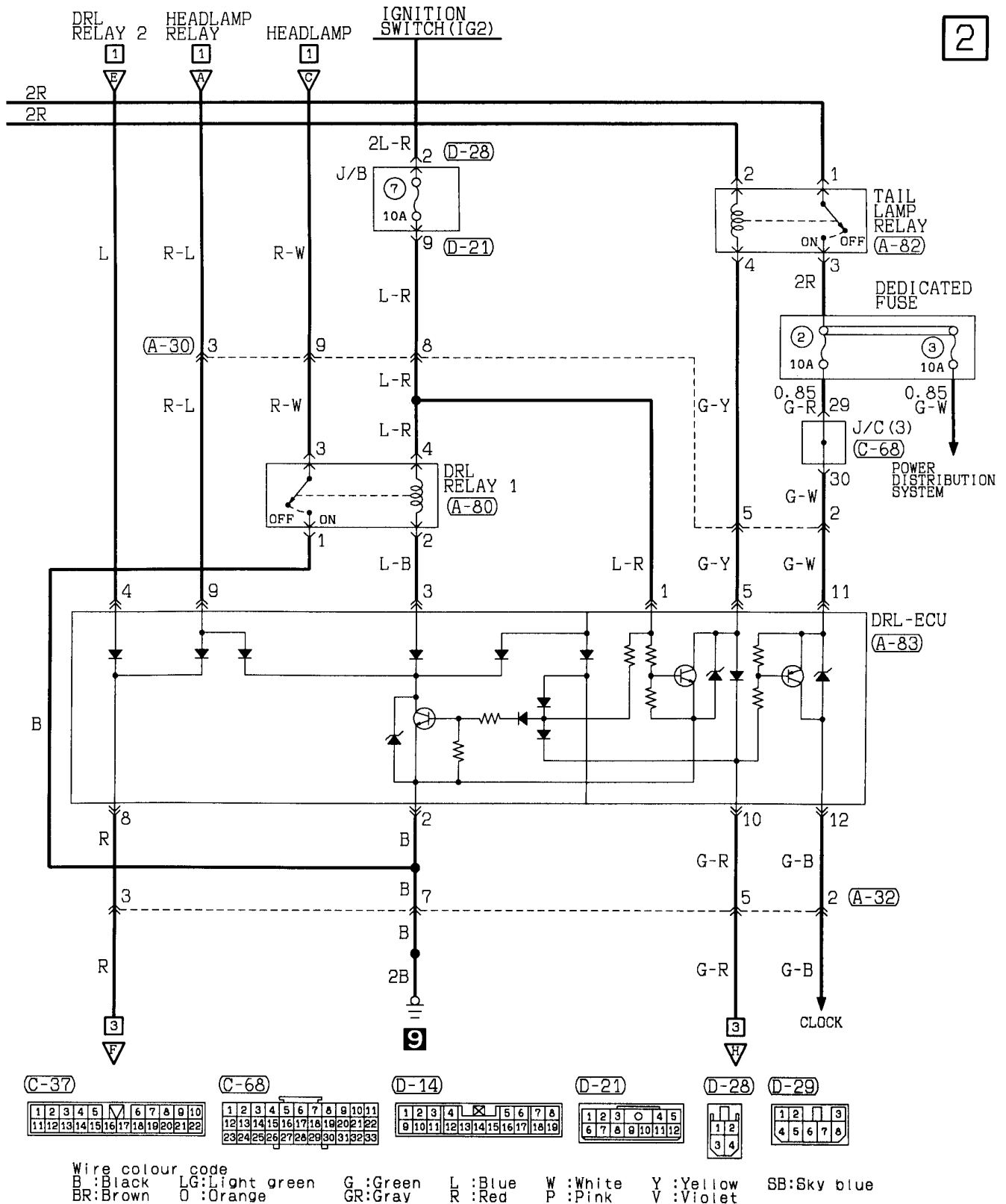
HEADLAMP

90100150876

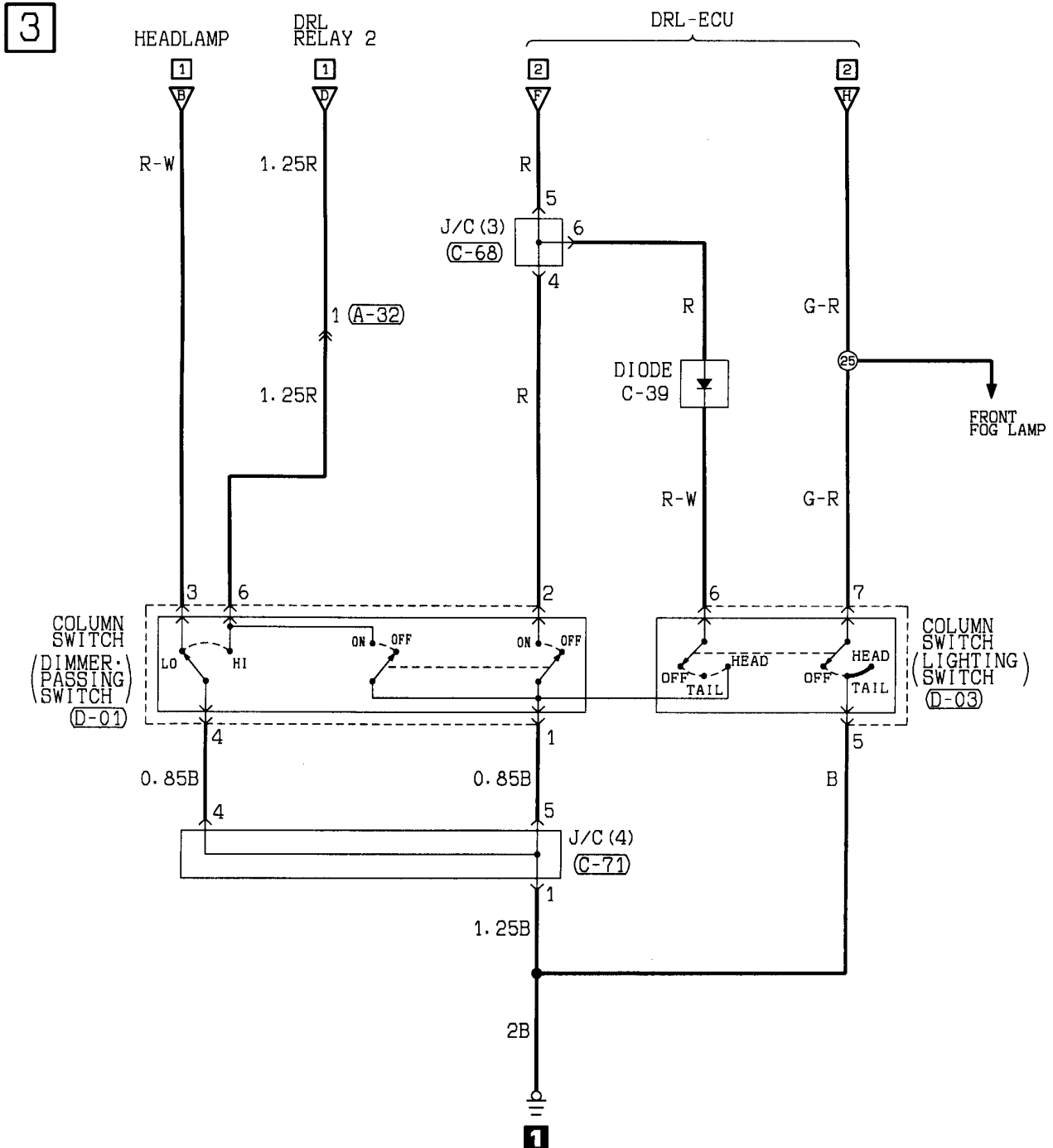
L.H. drive vehicles with daytime running lamp

1





HEADLAMP <L.H. drive vehicles with daytime running lamp> (CONTINUED)



(A-32)

1	2	3	4	5	6
7	8	9	10		

(C-68)

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

(C-71)

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

(D-01)

1	2
3	4
5	6

(D-03)

1	2	3	4
5	6	7	8
9	10		

Wire colour code

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

HEADLAMP <L.H. drive vehicles with daytime running lamp> (See P. 4-46.)

90100150906

OPERATION

Headlamp relay activation requirements

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

<Daytime running lamp operation>

- Turning the ignition switch to the ON position causes the headlamp relay, DRL relay 1, 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 DRL relay 2 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 DRL relay 2 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

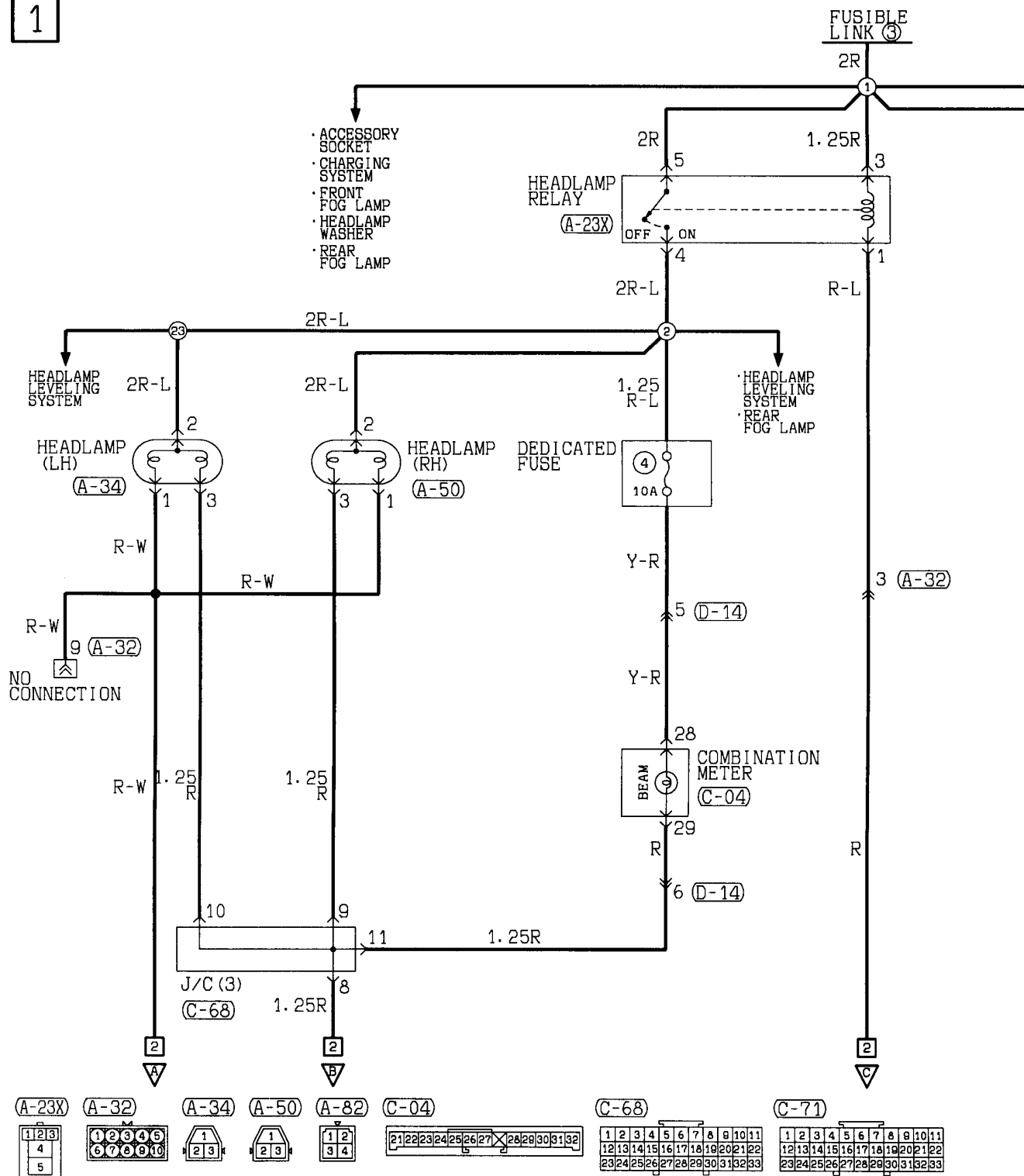
- Headlamps don't go on.
 - But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. (3).
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam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

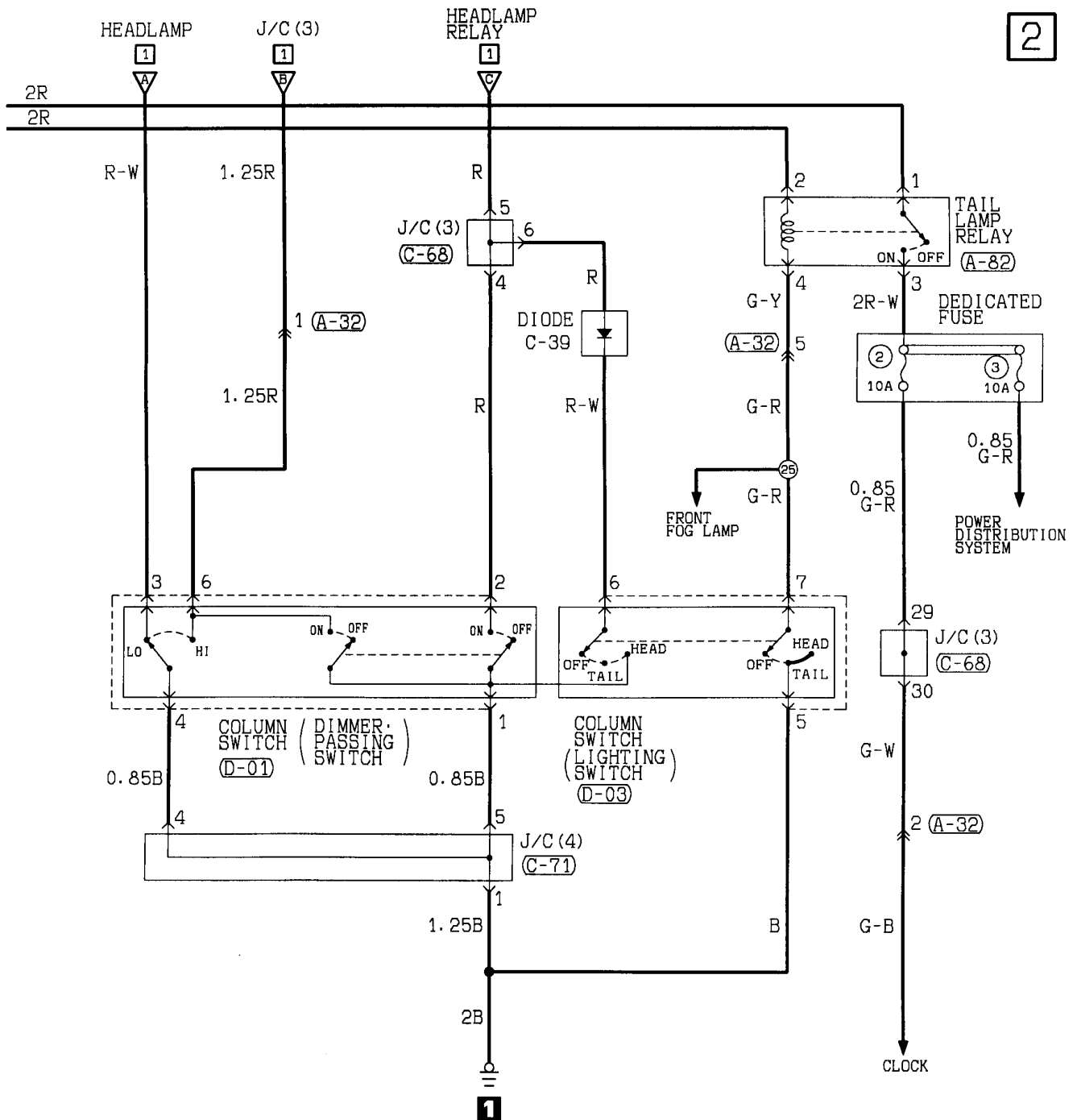
HEADLAMP

90100150883

L.H. drive vehicles without daytime running lamp

1





(D-01)

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

(D-03)

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

(D-14)

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

Wire colour code

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

HEADLAMP <L.H. drive vehicles without daytime running lamp> (See P. 4-50.)

90100150913

OPERATION

Headlamp relay activation requirements

Lighting switch	Dimmer/passing switch	Headlamp relay
"HEAD"	-	On
-	"ON"	On

<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

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

HEADLAMP <R.H. drive vehicles> (See P. 4-54.)

90100150890

OPERATION**Headlamp relay activation requirements**

Lighting switch	Dimmer/passing switch	Headlamp relay
"HEAD"	-	On
-	"ON"	On

<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

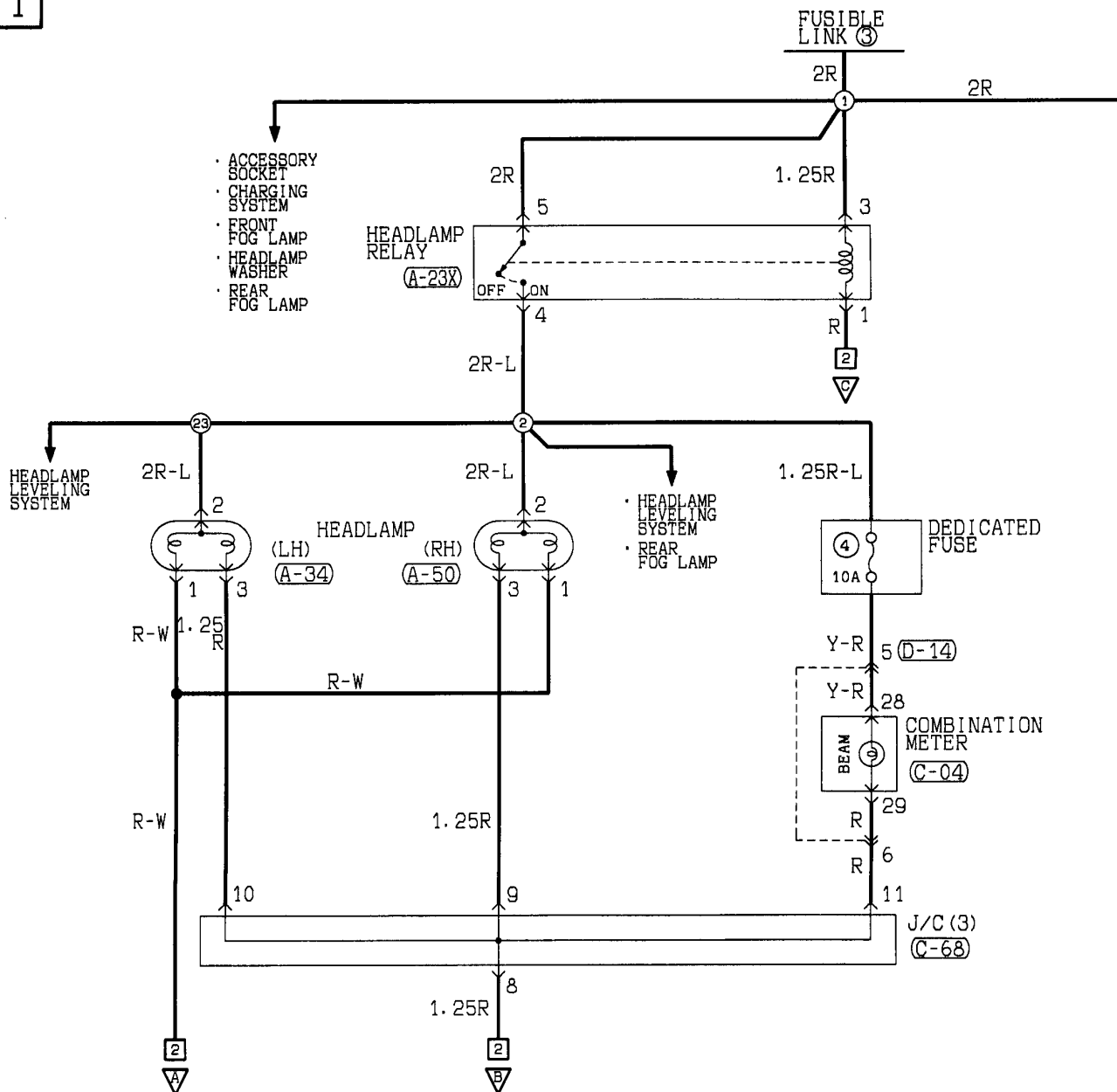
- Headlamps don't go on.
 - But the tail lamps illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. (3).
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam at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

HEADLAMP

90100150920

R.H. drive vehicles

1



A-23X

A-34

A-50

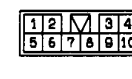
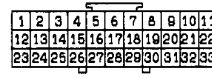
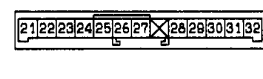
C-04

C-68

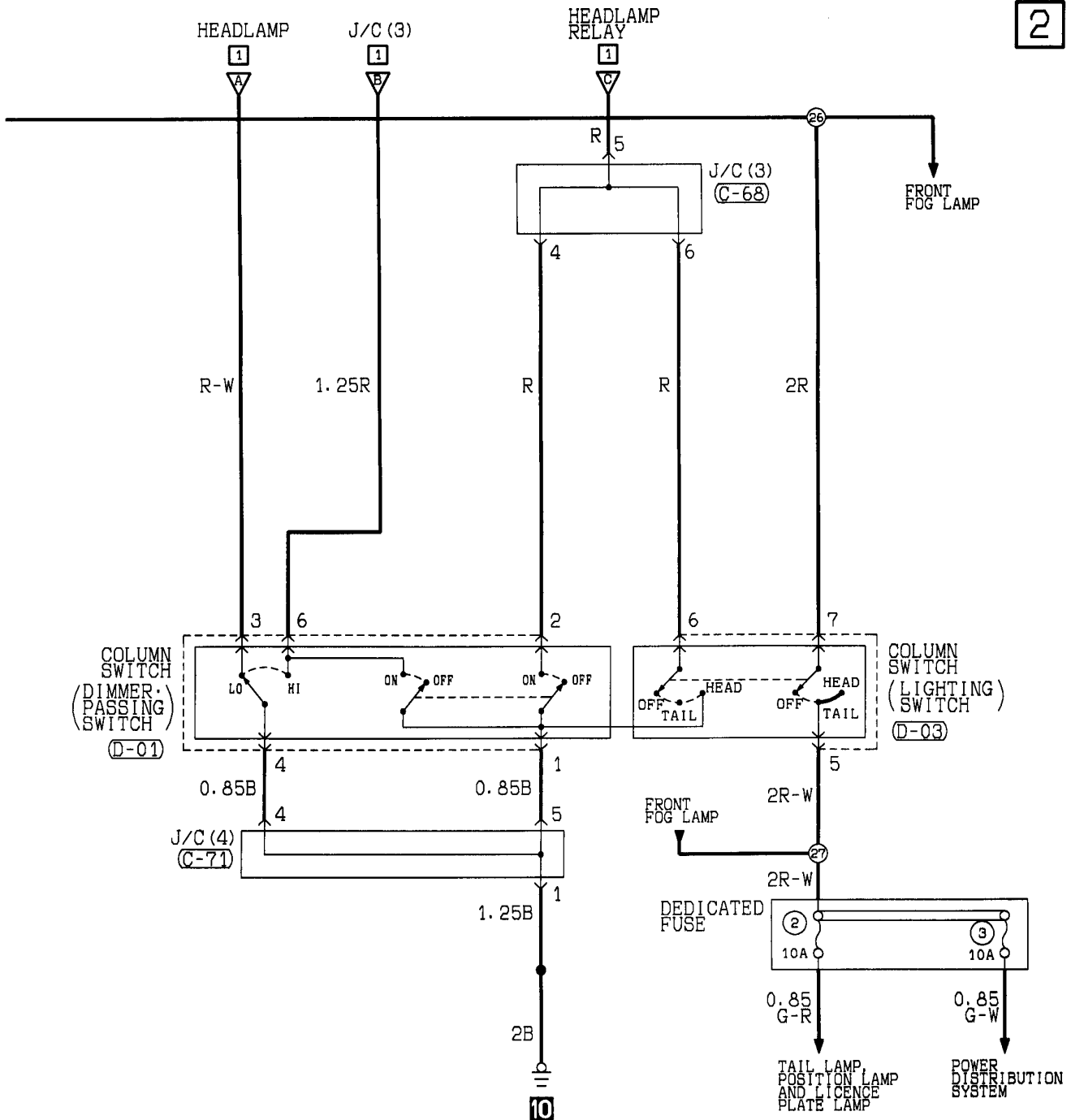
C-71

D-01

D-03



2



D-14

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

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

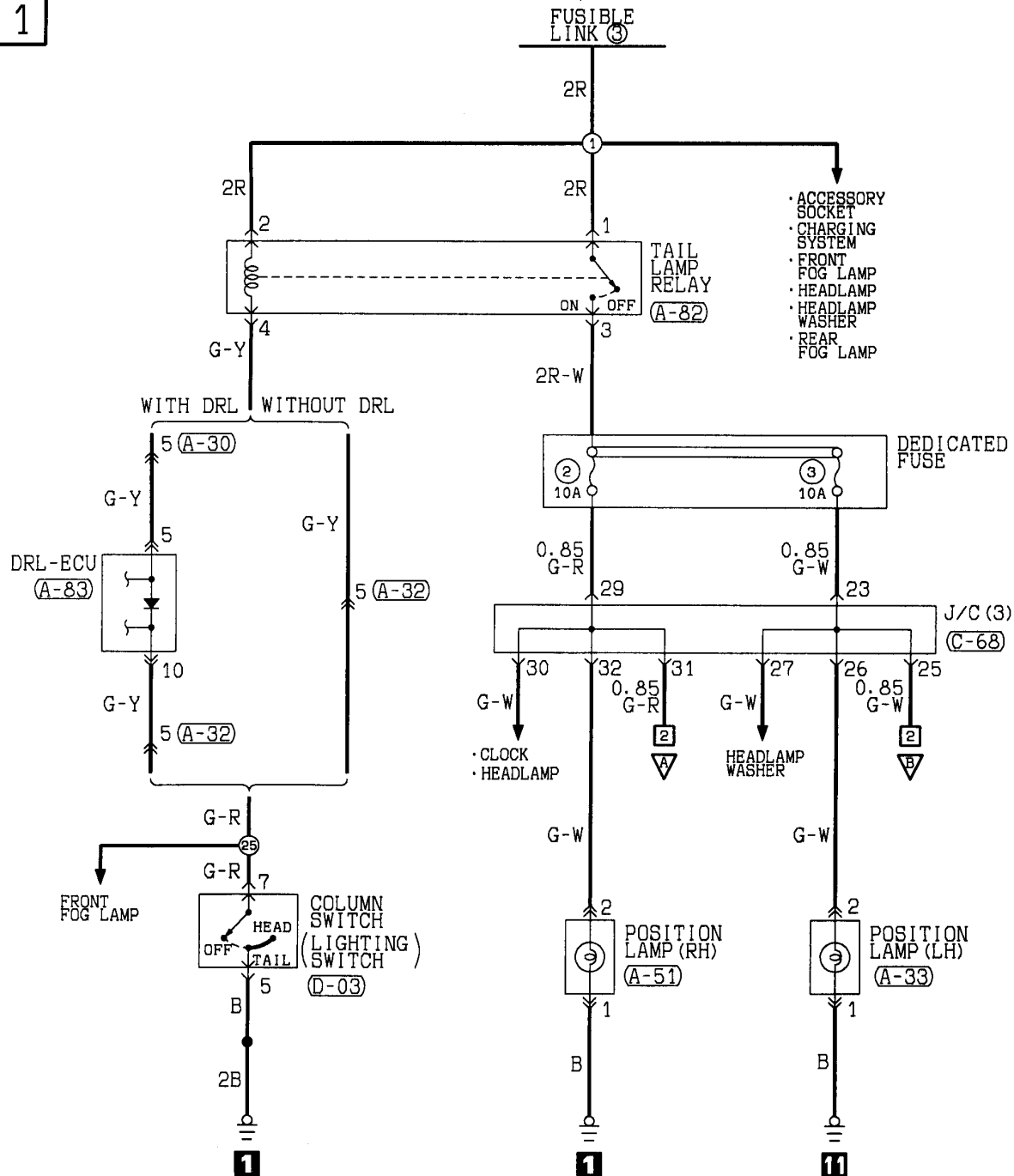
9P08E04AB

TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260394

L.H. drive vehicles

1



(A-30)

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

(A-32)

1	2	3	4	5	6
7	8	9	10		

(A-33)

1	2
---	---

(A-51)

1	2
---	---

(A-82)

1	2
3	4

(A-83)

1	2	3	4	5	6
7	8	9	10		


(C-01)

1	2	3	4	<input checked="" type="checkbox"/>	5	6	7	8	9	
10	11	12	13	14	15	16	17	18	19	20

(C-37)

1	2	3	4	5	<input checked="" type="checkbox"/>	6	7	8	9	10	
11	12	13	14	15	16	17	18	19	20	21	22

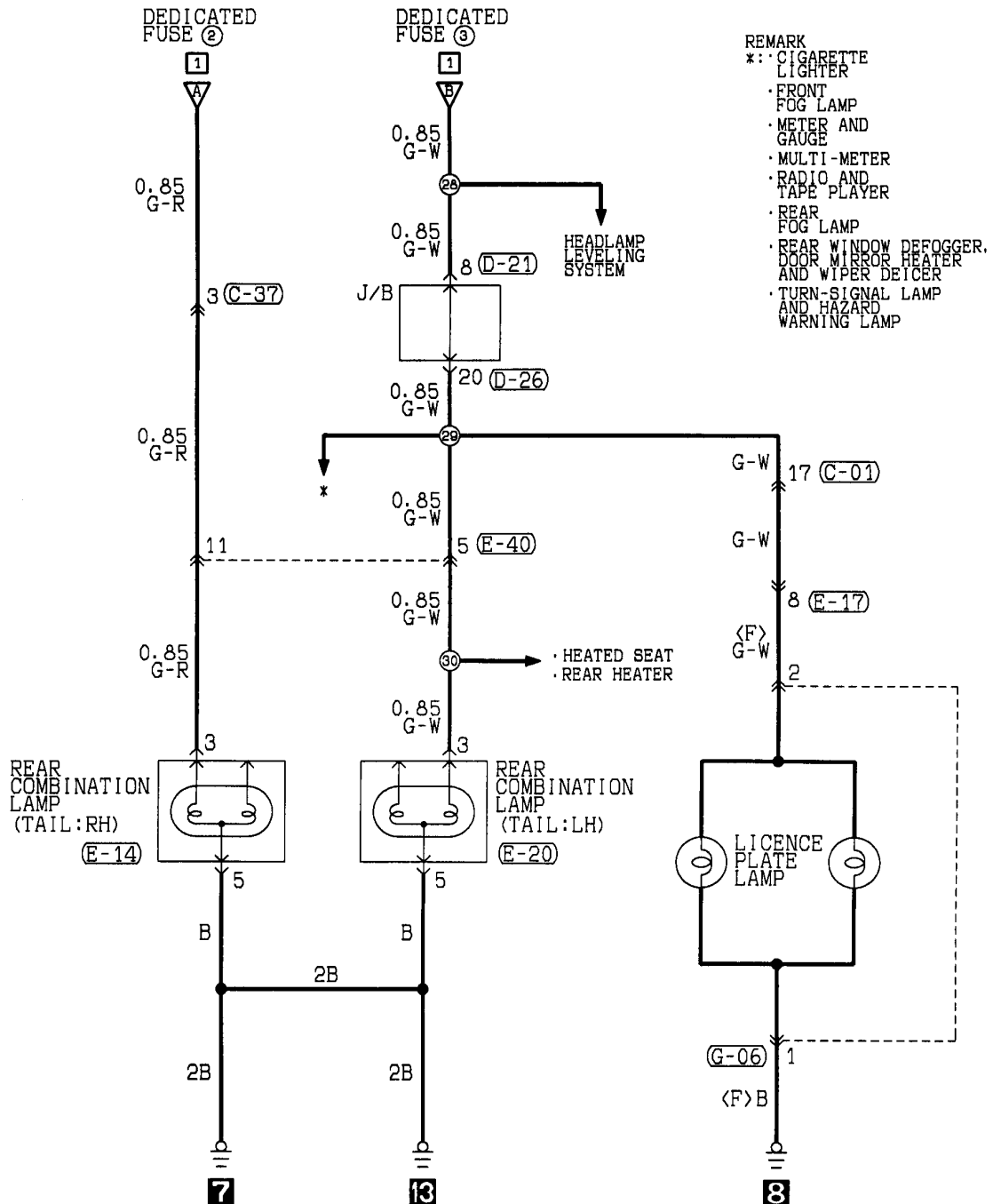
(E-40)

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

(G-06)

1	2
---	---

2



(C-68)

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

(D-03)

1	2	3	4
5	6	7	8
9	10		

(D-21)

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

(D-26)

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

(E-14)

1	2	3
4	5	6
7	8	9

(E-17)

1	2	3
4	5	6
7	8	9

(E-20)

1	2	3
4	5	6
7	8	9

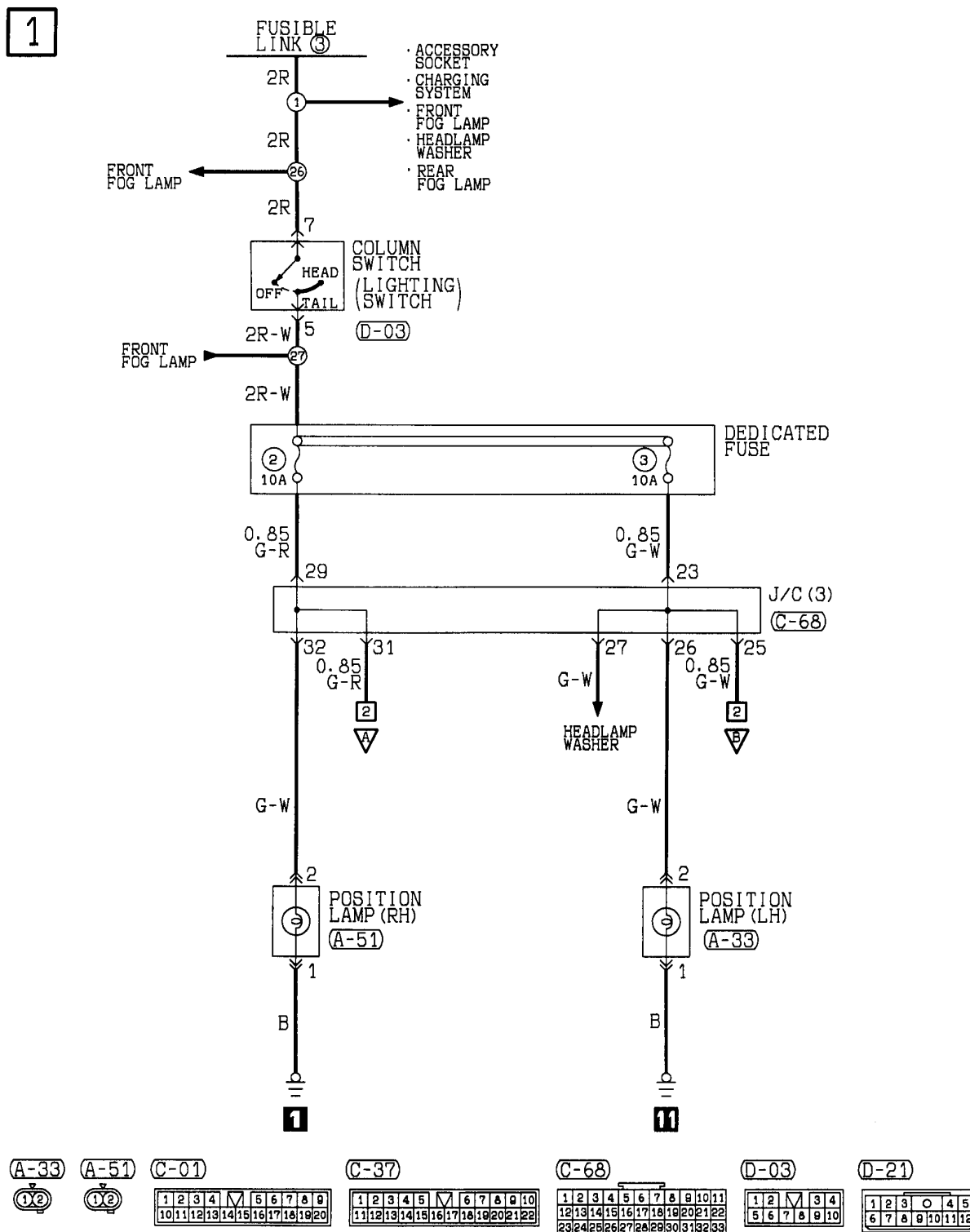
Wire colour code

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

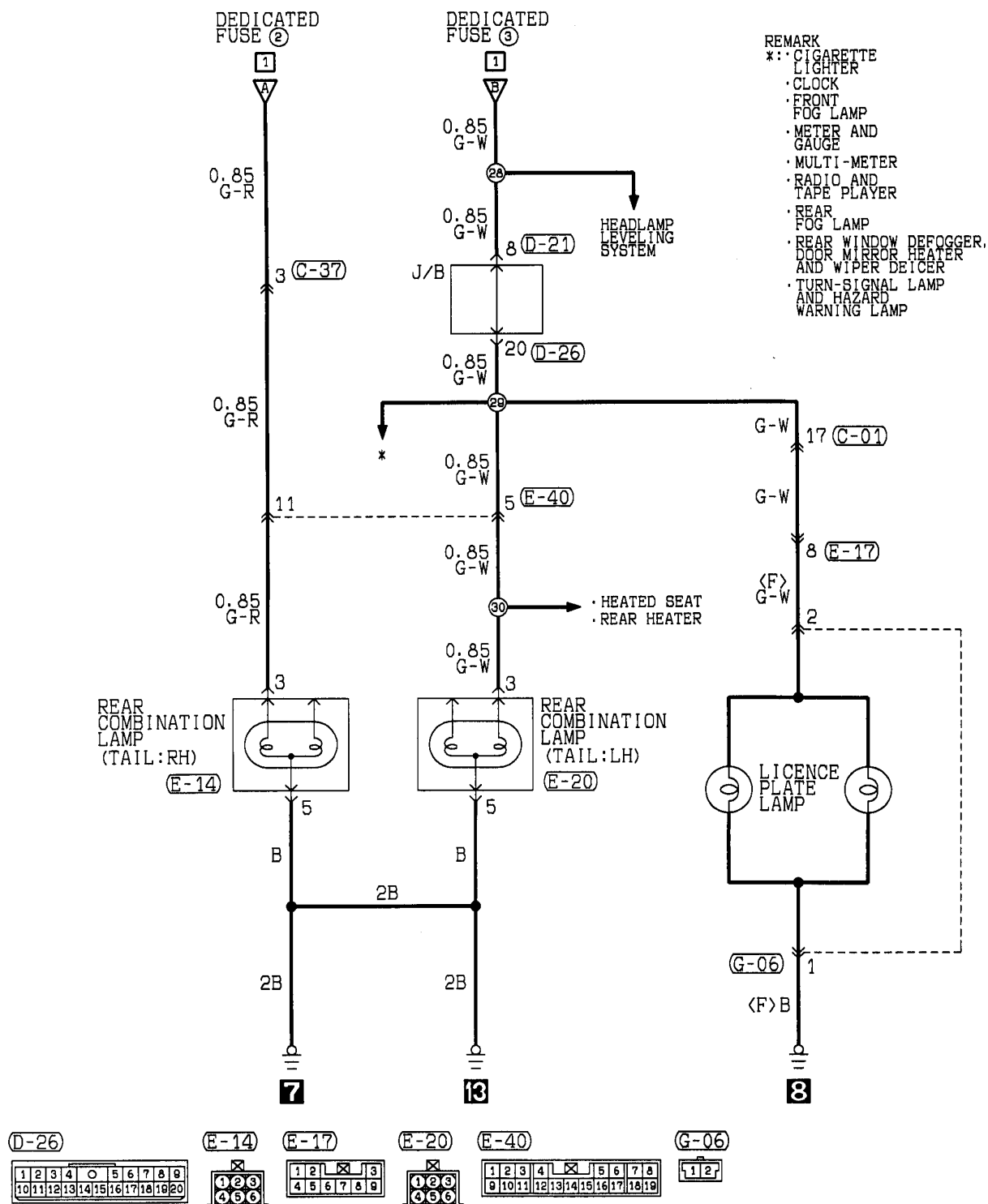
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101280400

R.H. drive vehicles



2



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

TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
(See P. 4-56, 58.)

90101260417

OPERATION

- Placing the lighting switch in the "TAIL" or "HEAD" position causes the tail lamp relay to be energized.
For vehicles with daytime running lamps, if the ignition switch is turned to the "ON" position, the tail lamp relay normally is always "ON".
- As result, current flows by way of dedicated fuse No. (2) and No. (3) to each lamp, causing the lamp to go on.

TROUBLESHOOTING HINTS

1. No lamp go on.
 - (1) Headlamps do not go on, either.
 - Check fusible link No. (3).
 - (2) Headlamps go on.
 - Check tail lamp relay.
 - Check dedicated fuse No. (2) and No. (3).

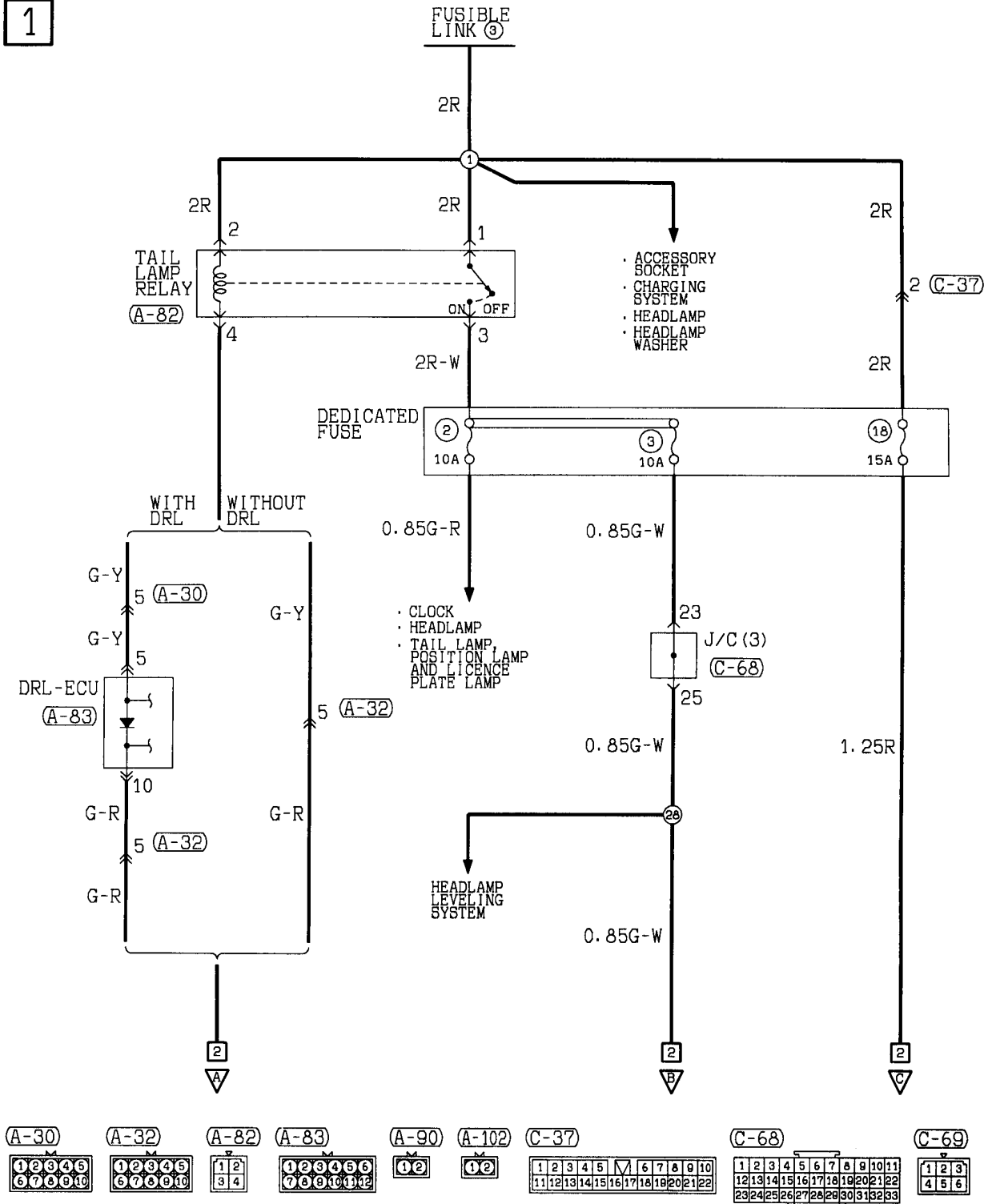
NOTES

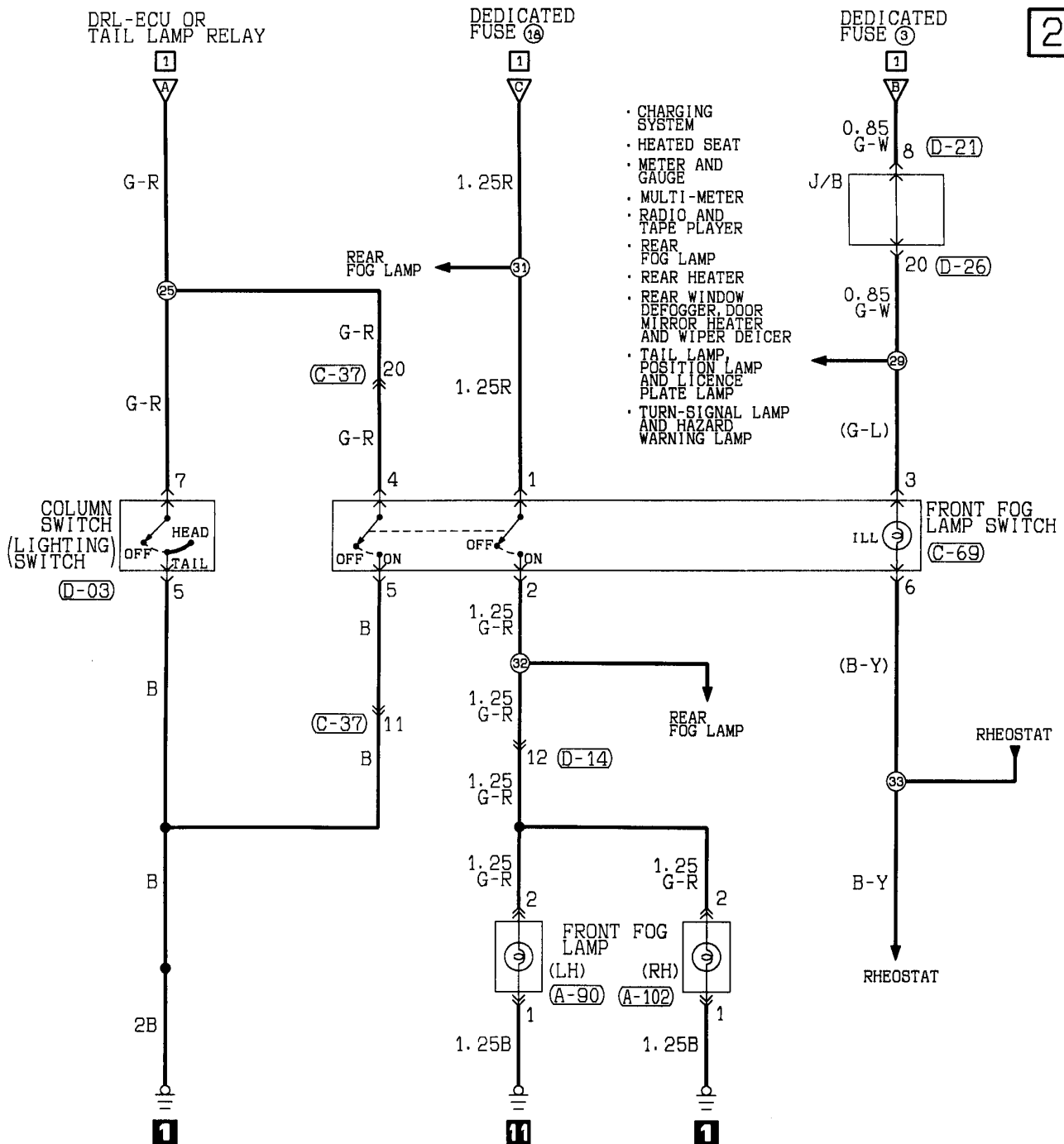
FRONT FOG LAMP

90100180318

L.H. drive vehicles

1





(D-03)

1	2	3	4
5	6	7	8

(D-14)

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

(D-21)

1	2	3	4	5
6	7	8	9	10

(D-26)

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

Wire colour code

B : Black LG : Light green

BR : Brown O : Orange

G : Green GR : Gray

L : Blue R : Red

W : White P : Pink

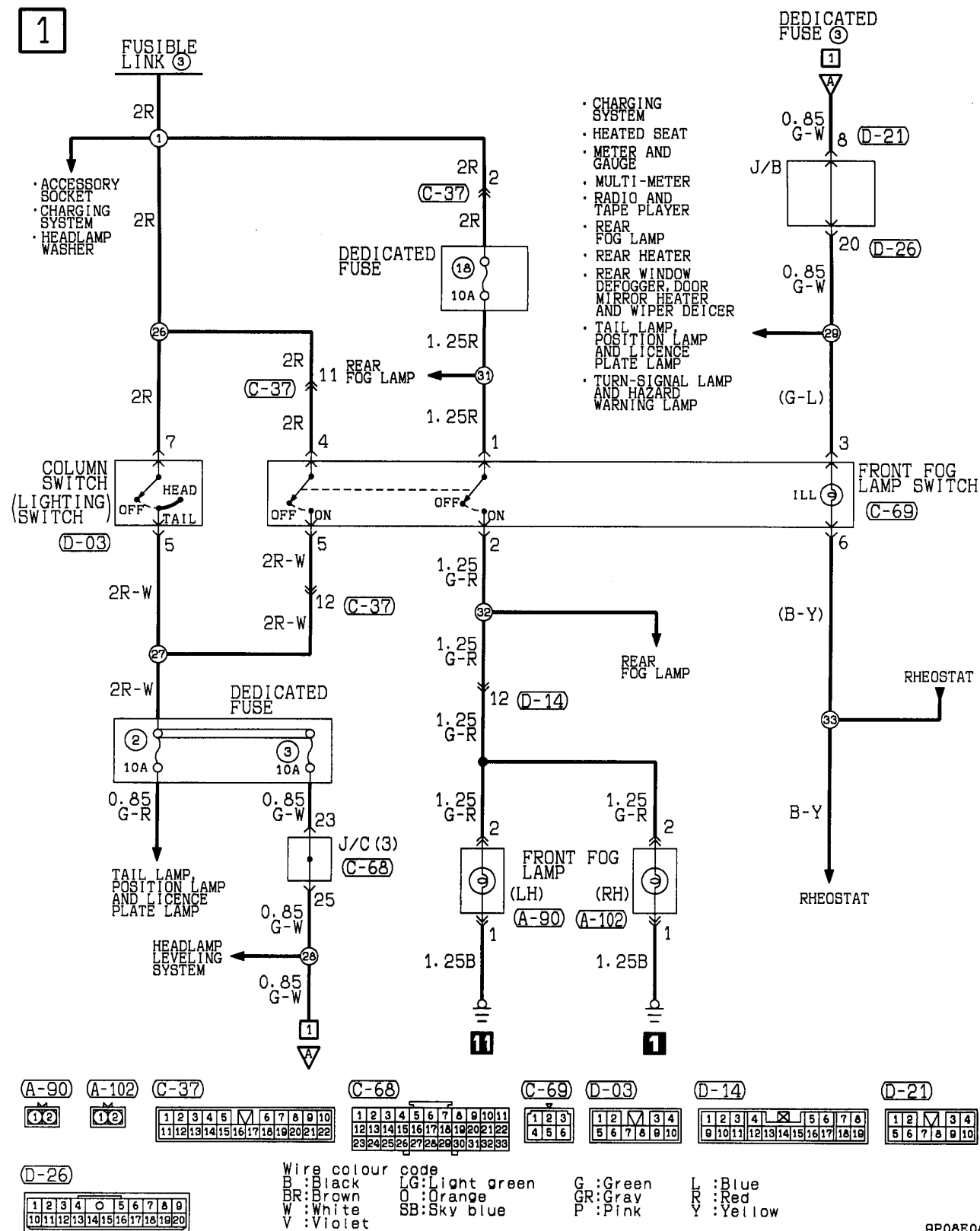
Y : Yellow V : Violet

SB : Sky blue

FRONT FOG LAMP

90100180325

R.H. drive vehicles



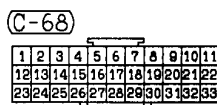
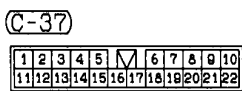
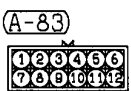
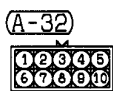
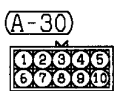
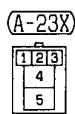
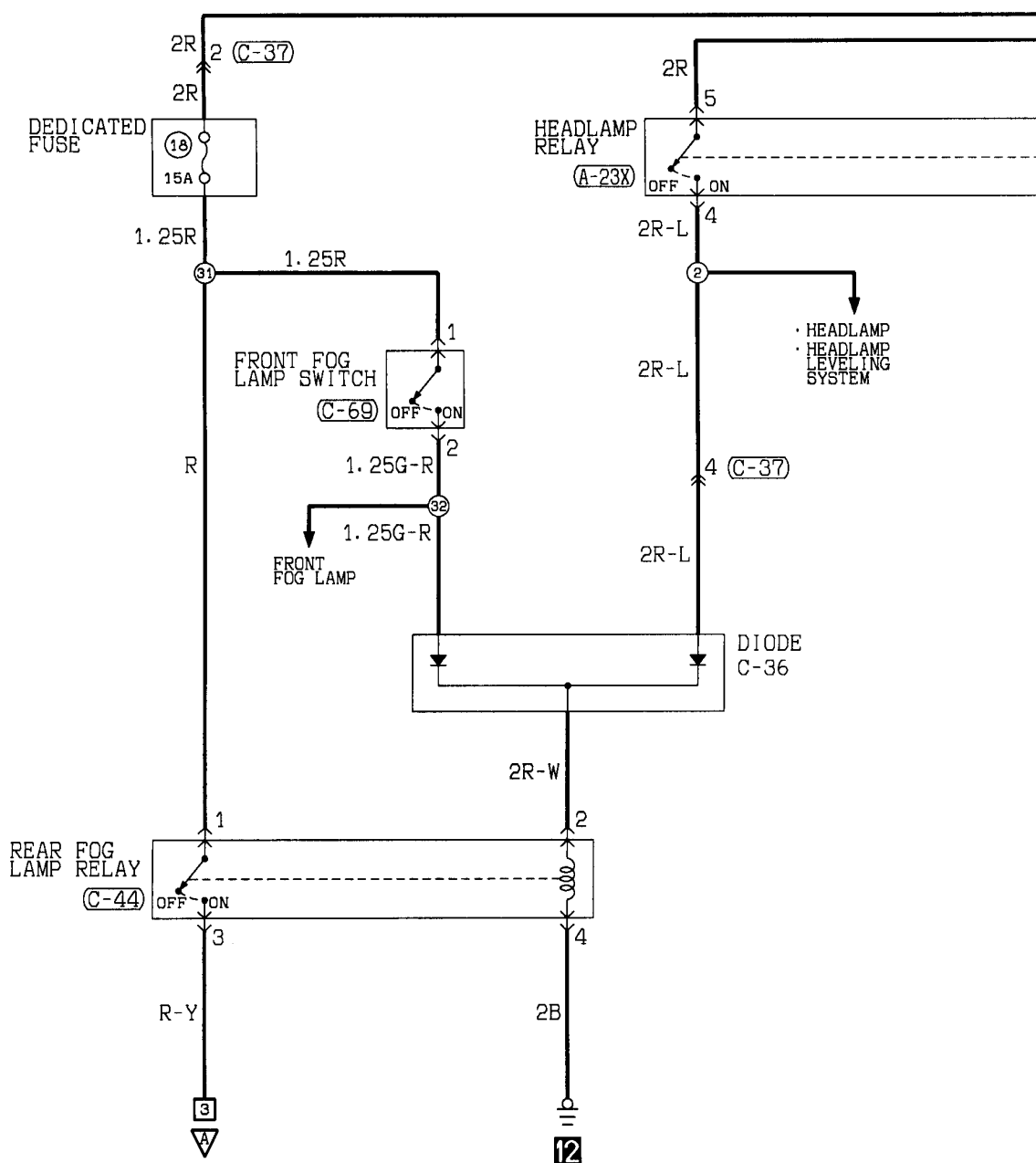
NOTES

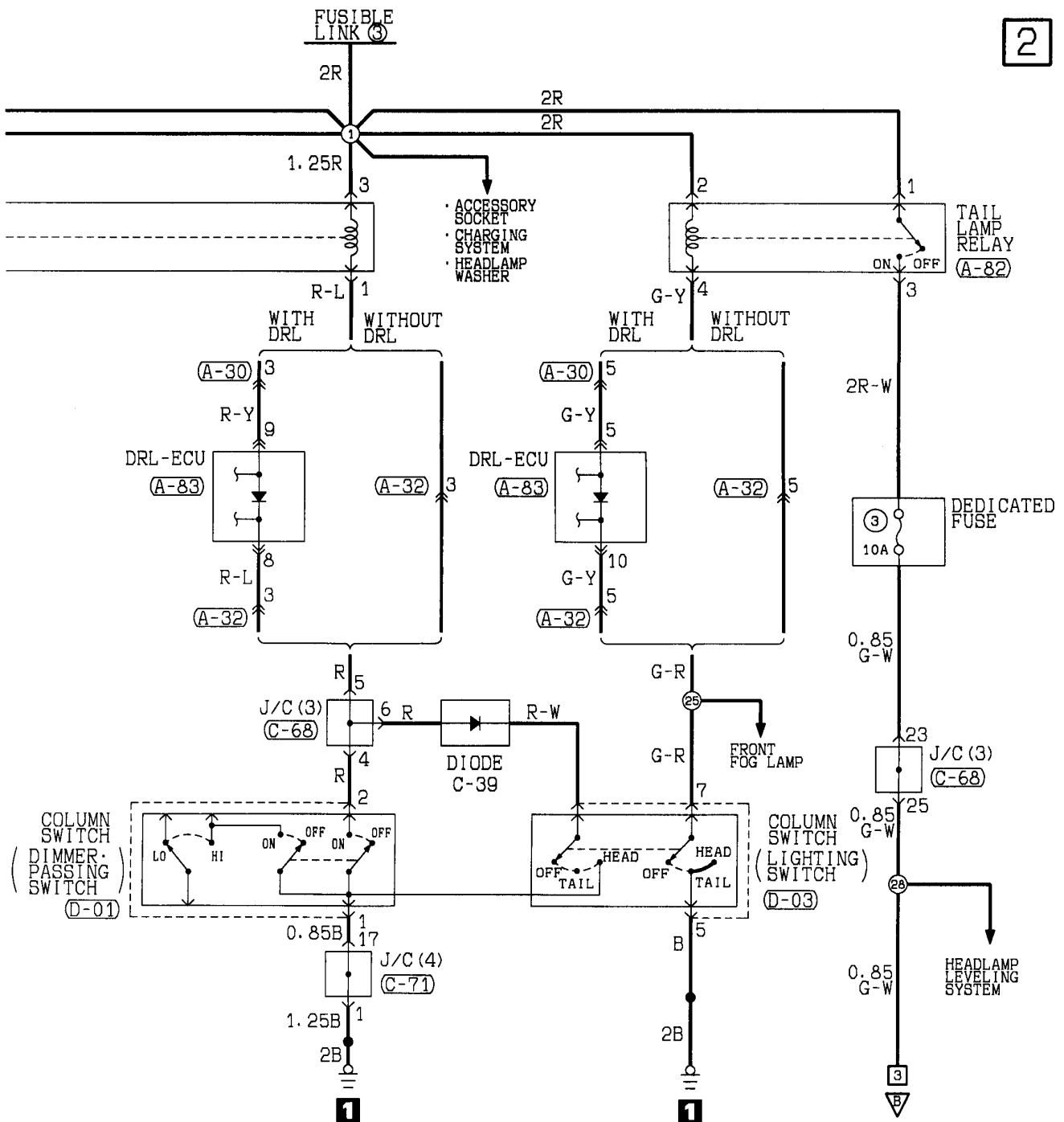
REAR FOG LAMP

90101200426

L.H. drive vehicles

1





(C-71)

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

(D-01)

1	2
3	4
5	6

(D-03)

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

(D-14)

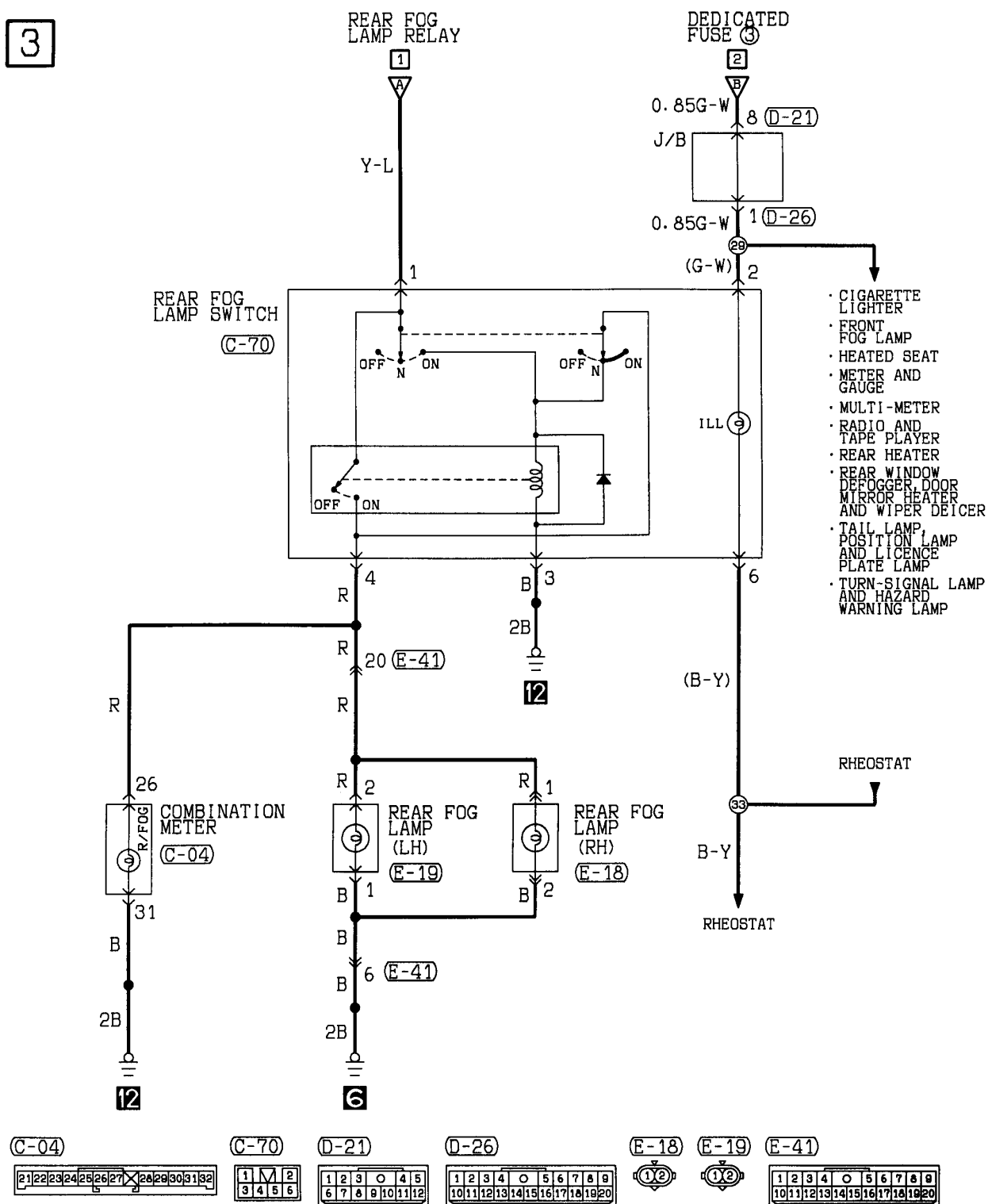
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

Wire colour code

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

REAR FOG LAMP <L.H. drive vehicles> (CONTINUED)

3



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

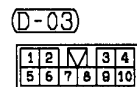
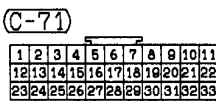
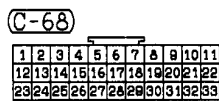
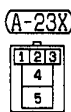
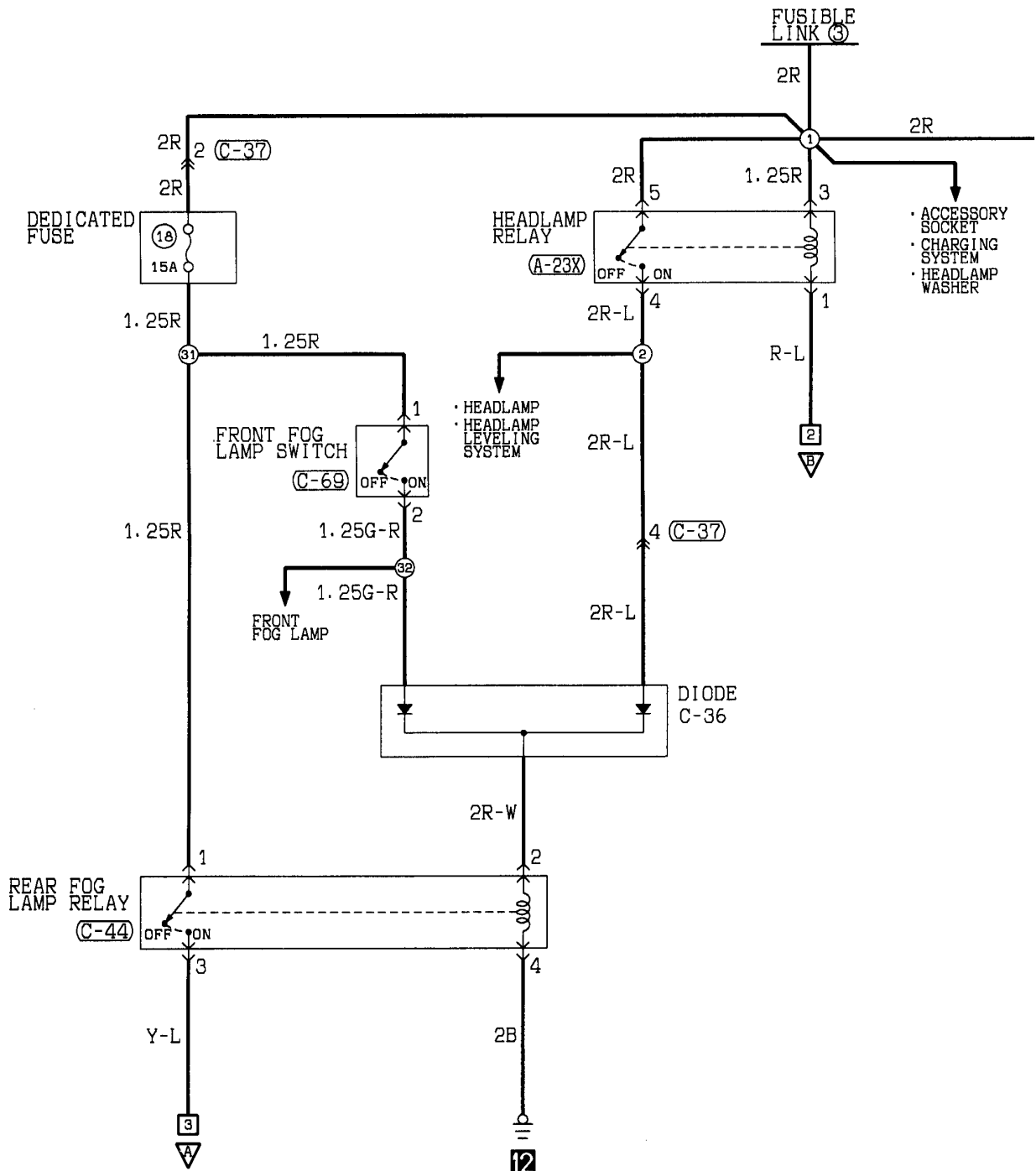
NOTES

REAR FOG LAMP

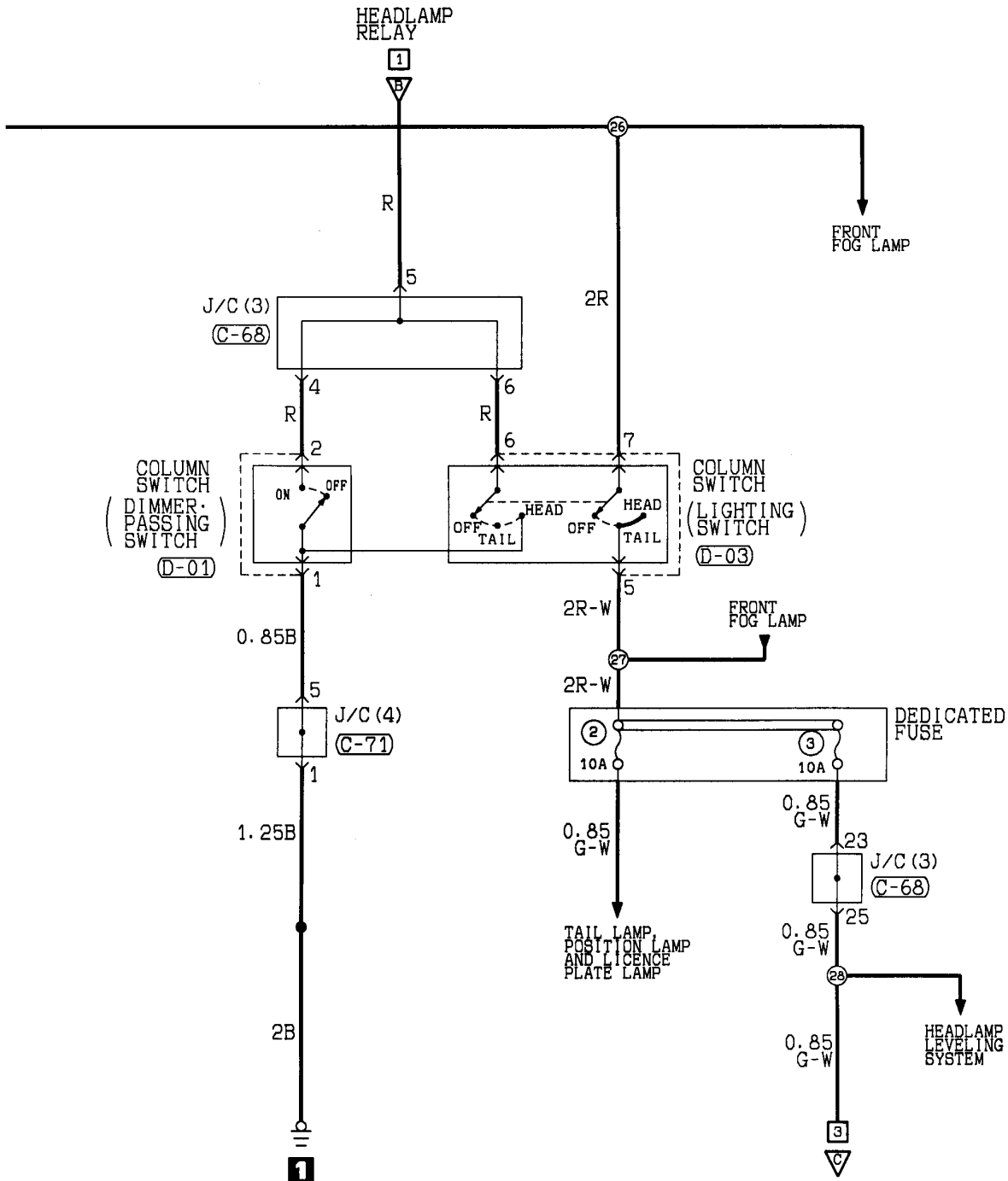
90101200433

R.H. drive vehicles

1



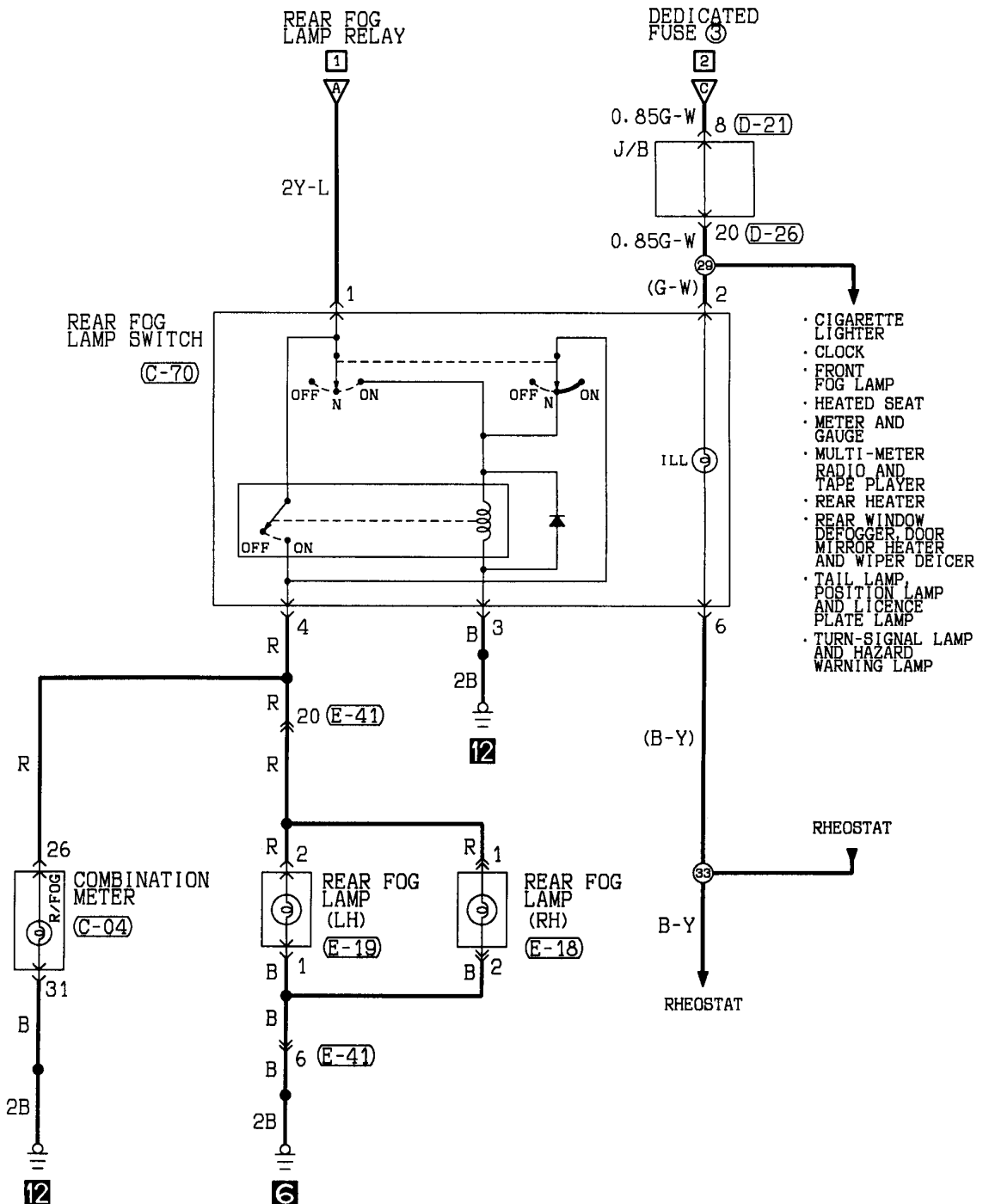
2



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

REAR FOG LAMP <R.H. drive vehicles> (CONTINUED)

3



(C-04)

21	22	23	24	25	26	27	28	29	30	31	32
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(C-70)

1	2	3	4	5	6
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(D-21)

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

(D-26)

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

(E-14)

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

(E-18)

1	2	3	4	5	6	7	8	9
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(E-19)

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

Wire colour code

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

REAR FOG LAMP (See P. 4-66, 70.)

90101200440

OPERATION

Rear fog lamp relay activation requirements

<Vehicles without daytime running lamp>

Ignition switch	Lighting switch	Front fog lamp switch	Rear fog lamp relay
-	"HEAD"	-	On
-	-	"ON"	On

<Vehicles with daytime running lamp>

Ignition switch	Lighting switch	Front fog lamp switch	Rear fog lamp relay
-	"HEAD"	-	On
-	-	"ON"	On
"ON"	"OFF" or "HEAD"	-	On

- When the lighting switch is moved to the HEAD position, the headlamp relay switches ON, and the rear fog lamp relay becomes energized. When the ignition switch is at the LOCK (OFF) position, the rear fog lamp relay operates when the front fog lamp switch is at ON, even when the lighting switch is at the "OFF" position.
- 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 fog lamp goes on.

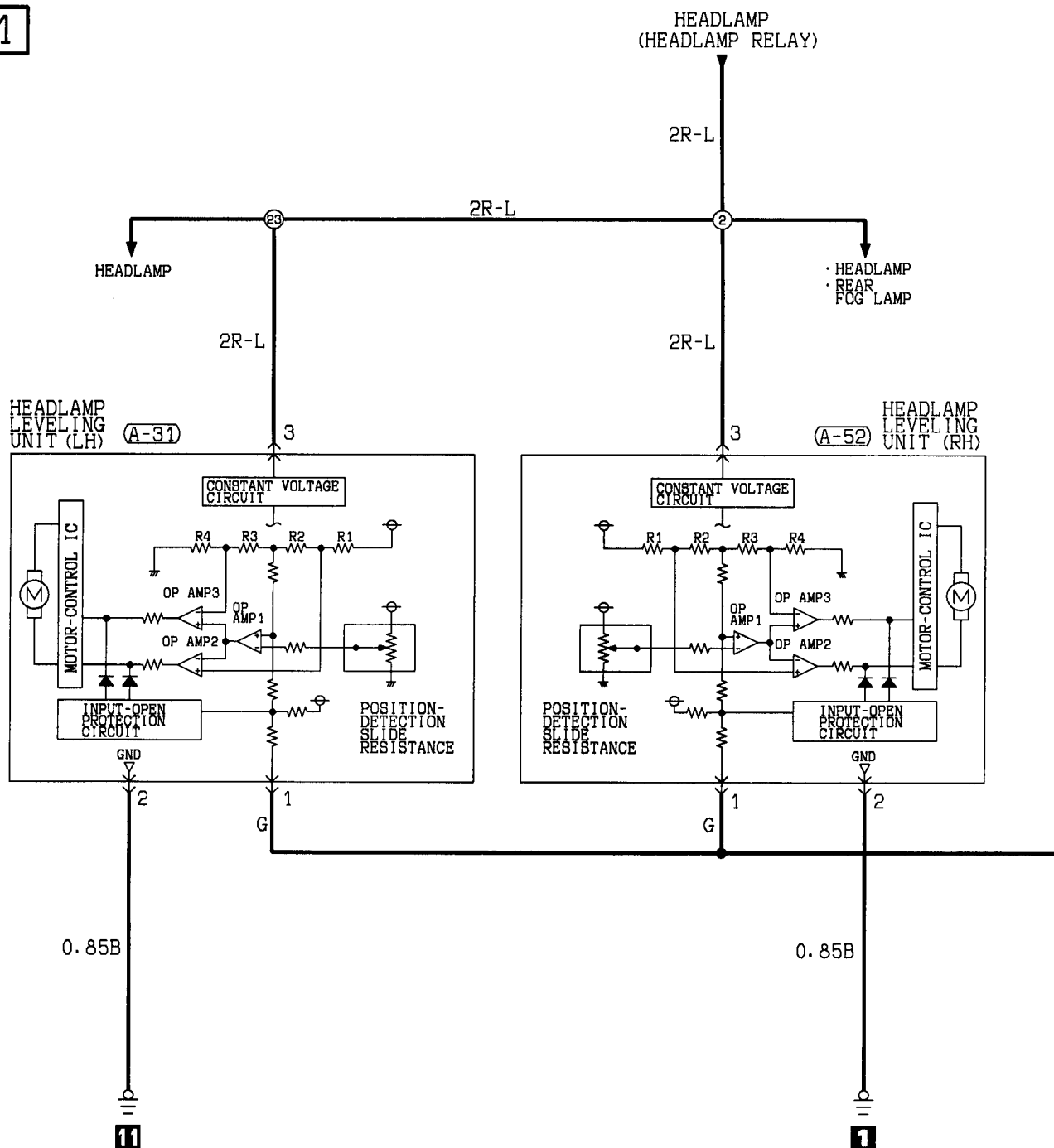
TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
 - (1) Headlamps and front fog lamps turn on
 - Check the rear fog lamp relay.
 - Check the rear fog lamp switch.
 - (2) Headlamps turn on but front fog lamps do not turn on.
 - Check the dedicated fuse No.(18).
 - Check the front fog lamp switch.
 - (3) Headlamps do not turn on but front fog lamps turn on.
 - Check the diode.
 - Check the ignition switch.
 - (4) Headlamps and front fog lamps do not turn on.
 - Check the fusible link No.(3).
2. The rear fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

HEADLAMP LEVELING SYSTEM

90101250261

1



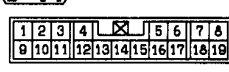
(A-31)

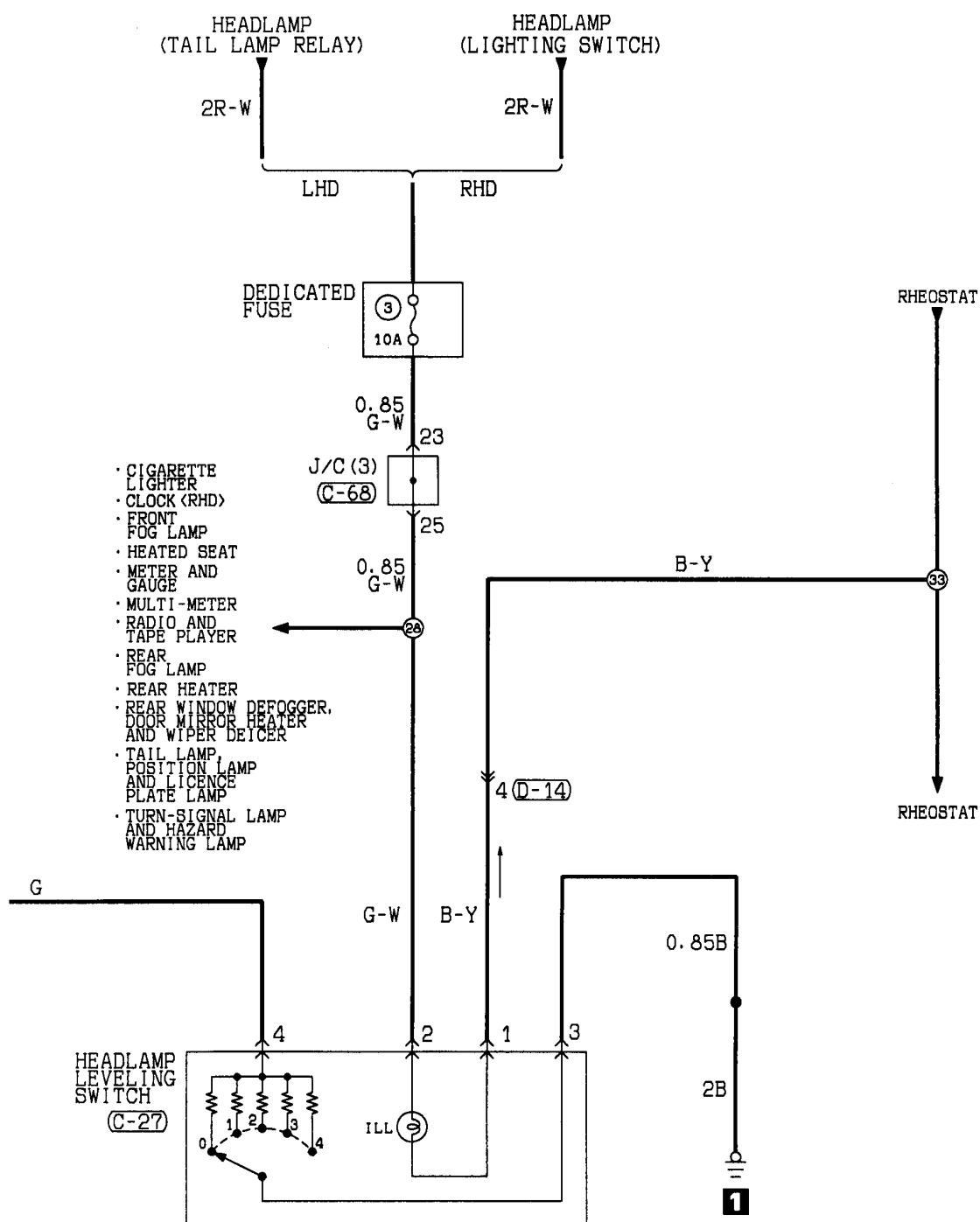
(A-52)

(C-27)

(C-68)

(D-14)





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

HEADLAMP LEVELING SYSTEM (See P. 4-74.)

90101250278

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, to the headlamp leveling unit.
- 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 happen, the motor-control IC is switched OFF and the motor stops.

NOTE

- (1) The some 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

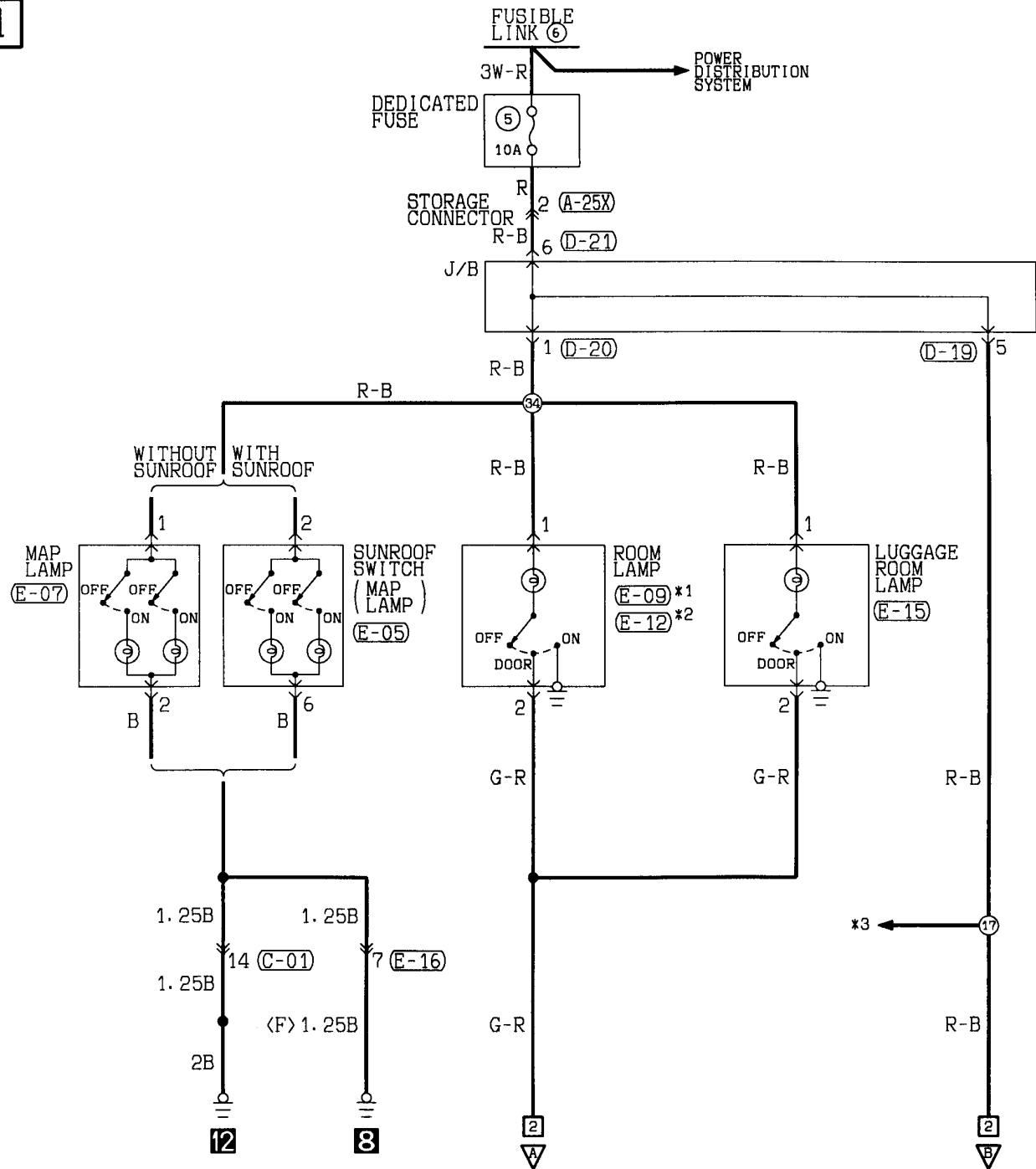
1. Absolutely no change of the headlamp angle
 - Check the headlamp leveling switch.
 - Check the headlamp leveling unit.
2. There is one setting of the headlamp leveling switch at which the headlamp angle does not change.
 - Check the headlamp leveling switch.

NOTES

ROOM LAMP, MAP LAMP AND LUGGAGE ROOM LAMP

90101320313

1



A-25X

C-01

C-03

D-19

D-20

D-21

D-27

1	2
1	2

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

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

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

1	2
---	---


1	2	3	○	4	5	
6	7	8	9	10	11	12

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

E-40

E-43

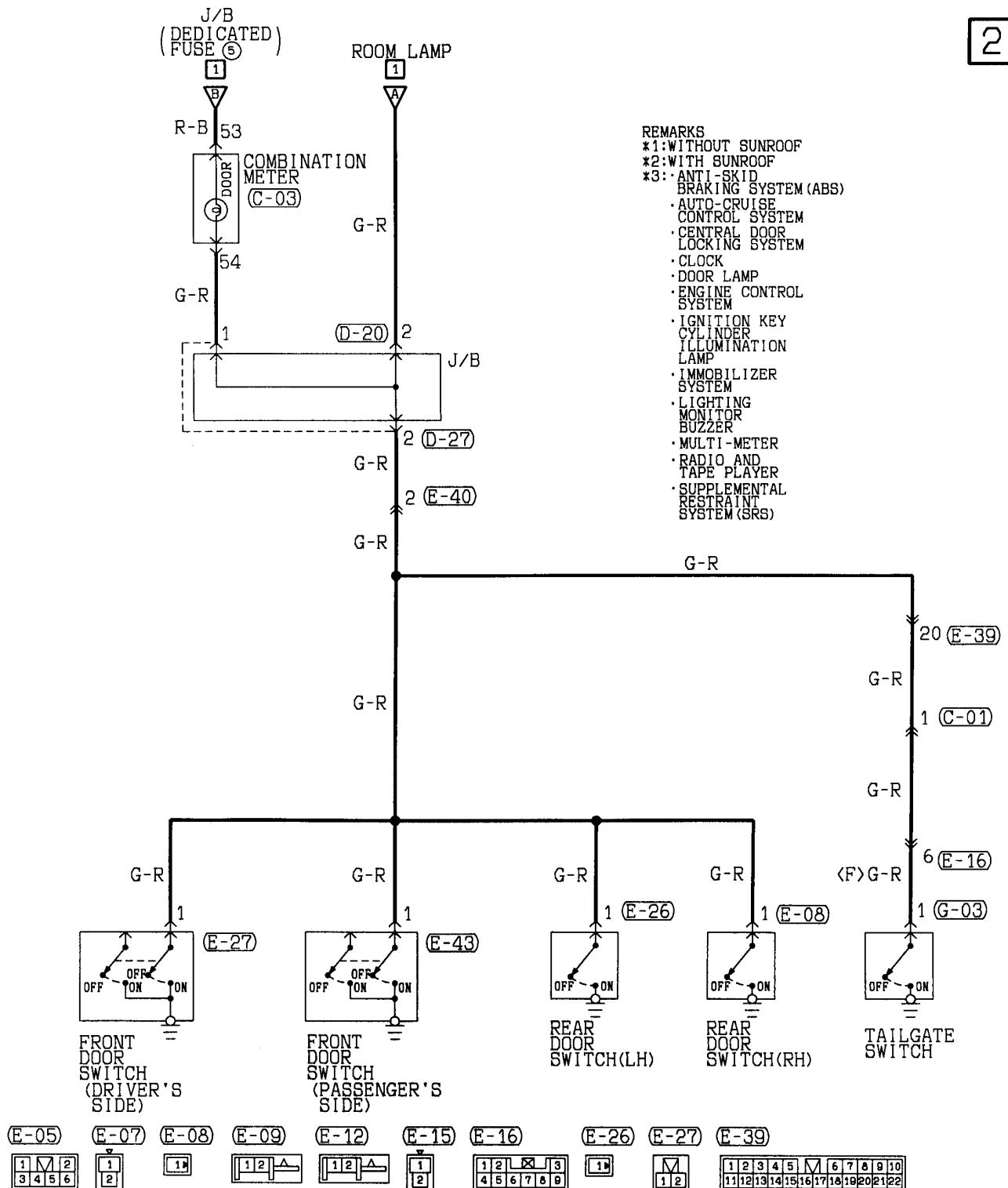
G-03

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9	10	11	12	13	14	15	16	17	18	19

1	2
---	---

1

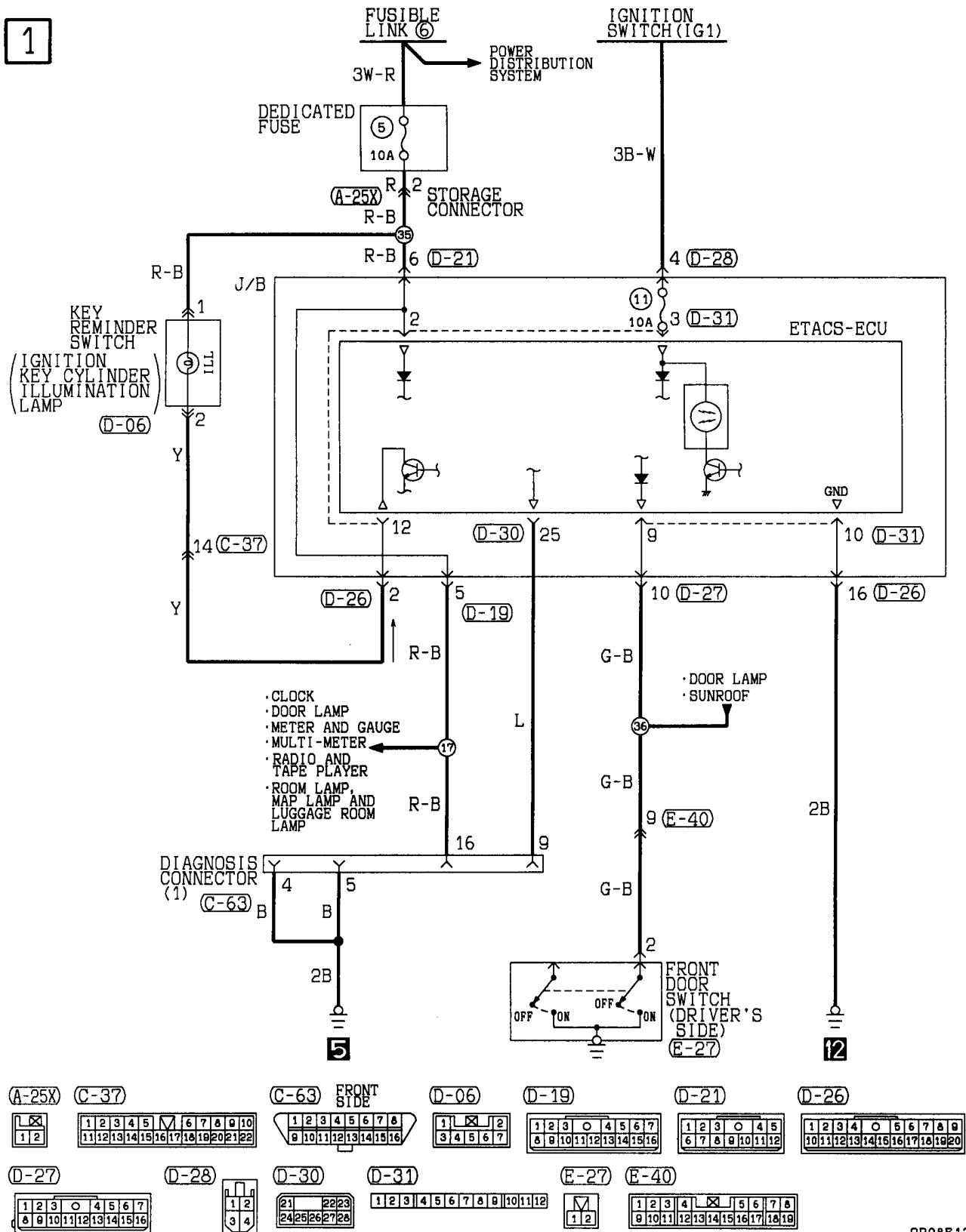
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IGNITION KEY CYLINDER ILLUMINATION LAMP

90100260418

L.H. drive vehicles

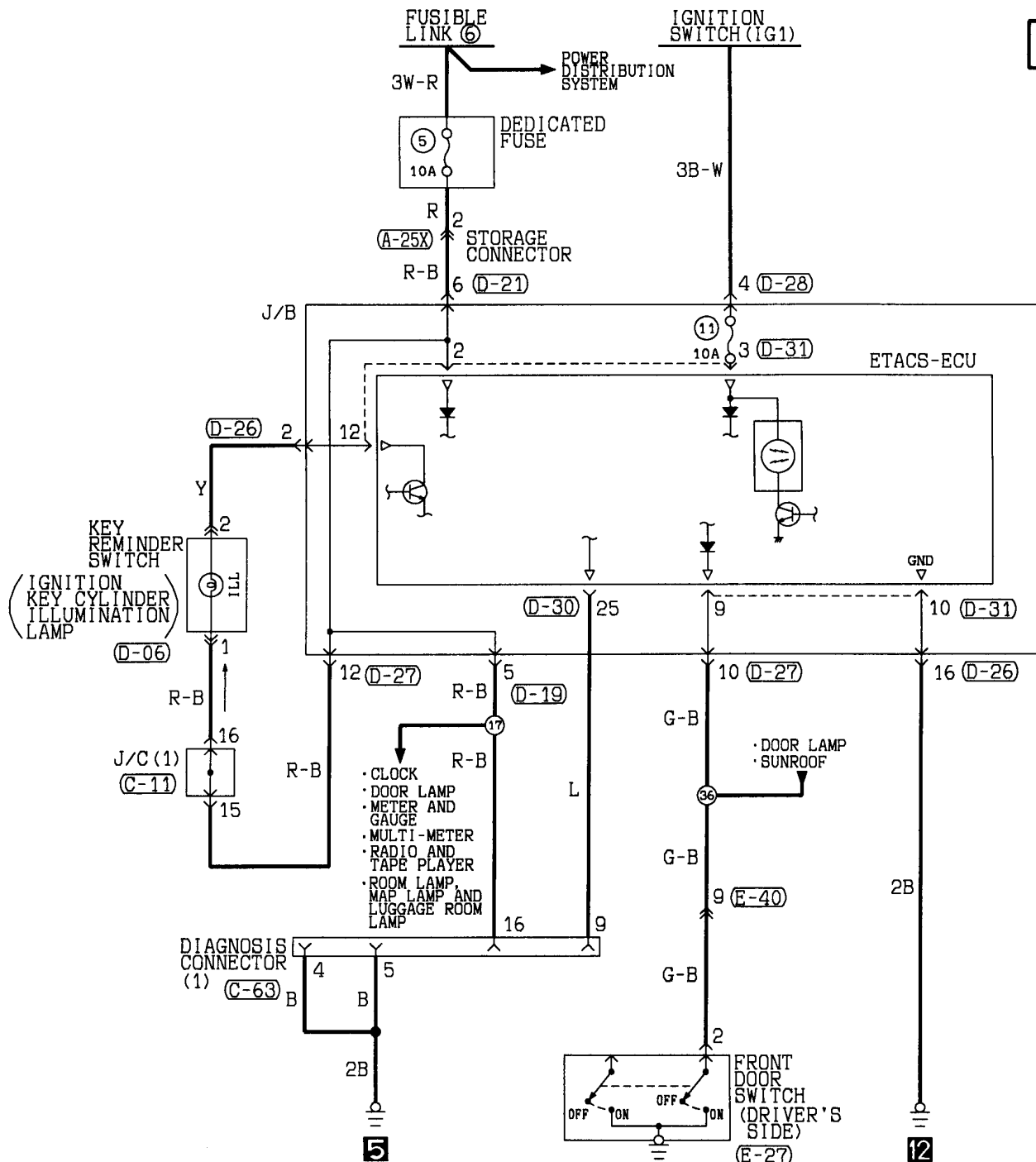


IGNITION KEY CYLINDER ILLUMINATION LAMP

90100260425

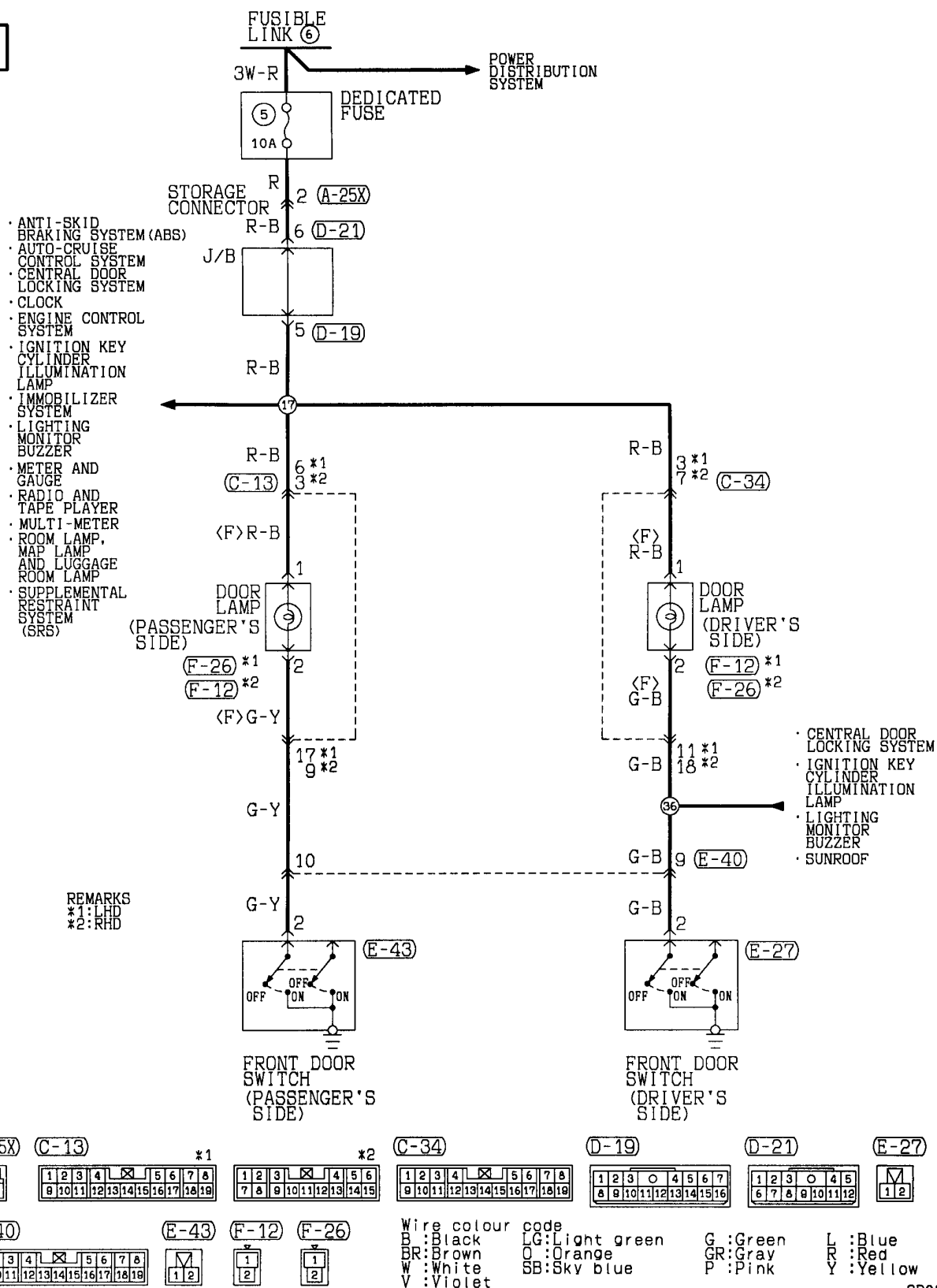
R.H. drive vehicles

1



DOOR LAMP

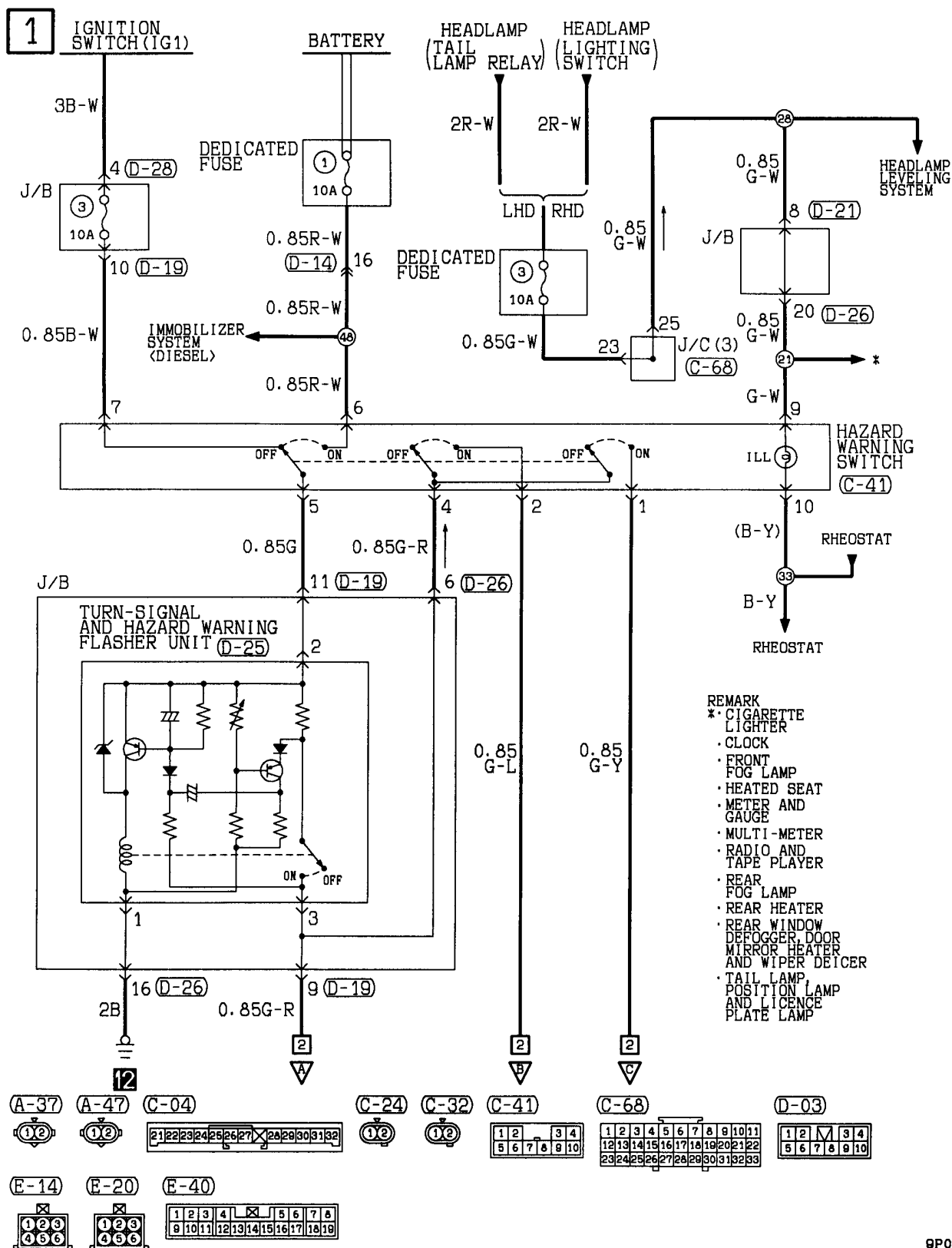
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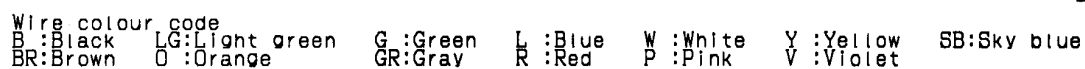


NOTES

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290622





TURN-SIGNAL LAMP AND HAZARD WARNING LAMP (See P. 4-84.)

90100290639

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. (1) 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

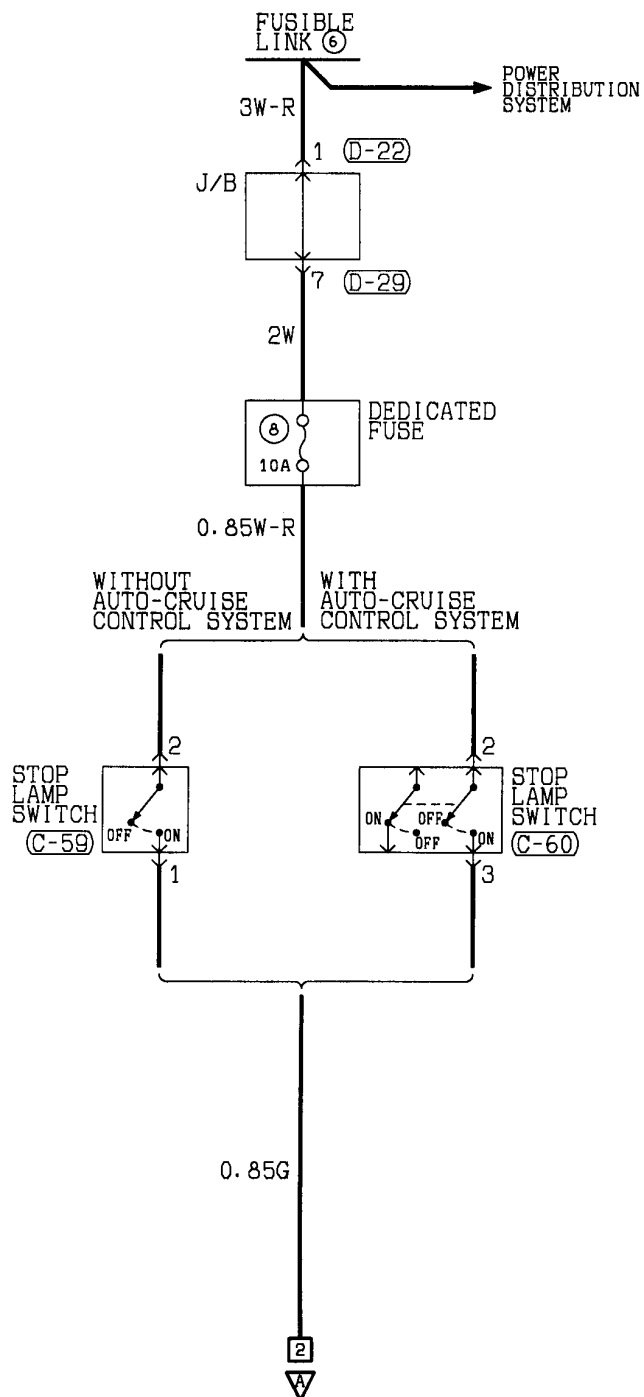
1. Neither the turn-signal lamp nor hazard warning lamps operate.
 - Check hazard warning switch contacts (on power source end).
 - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate.
 - (1) Hazard warning lamp is fully operational.
 - Check turn-signal switch.
3. Flashing cycle of 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. (1).
 - Check hazard warning switch contacts (on hazard lamp end).

NOTES

STOP LAMP

90100300660

1



C-01

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

C-59

1
2

C-60

1	2
3	4

D-22

1

D-29

1	2	3
4	5	6
7	8	

E-14

1	2	3
4	5	6

E-16

1	2	3
4	5	6
7	8	9

E-20

1	2	3
4	5	6

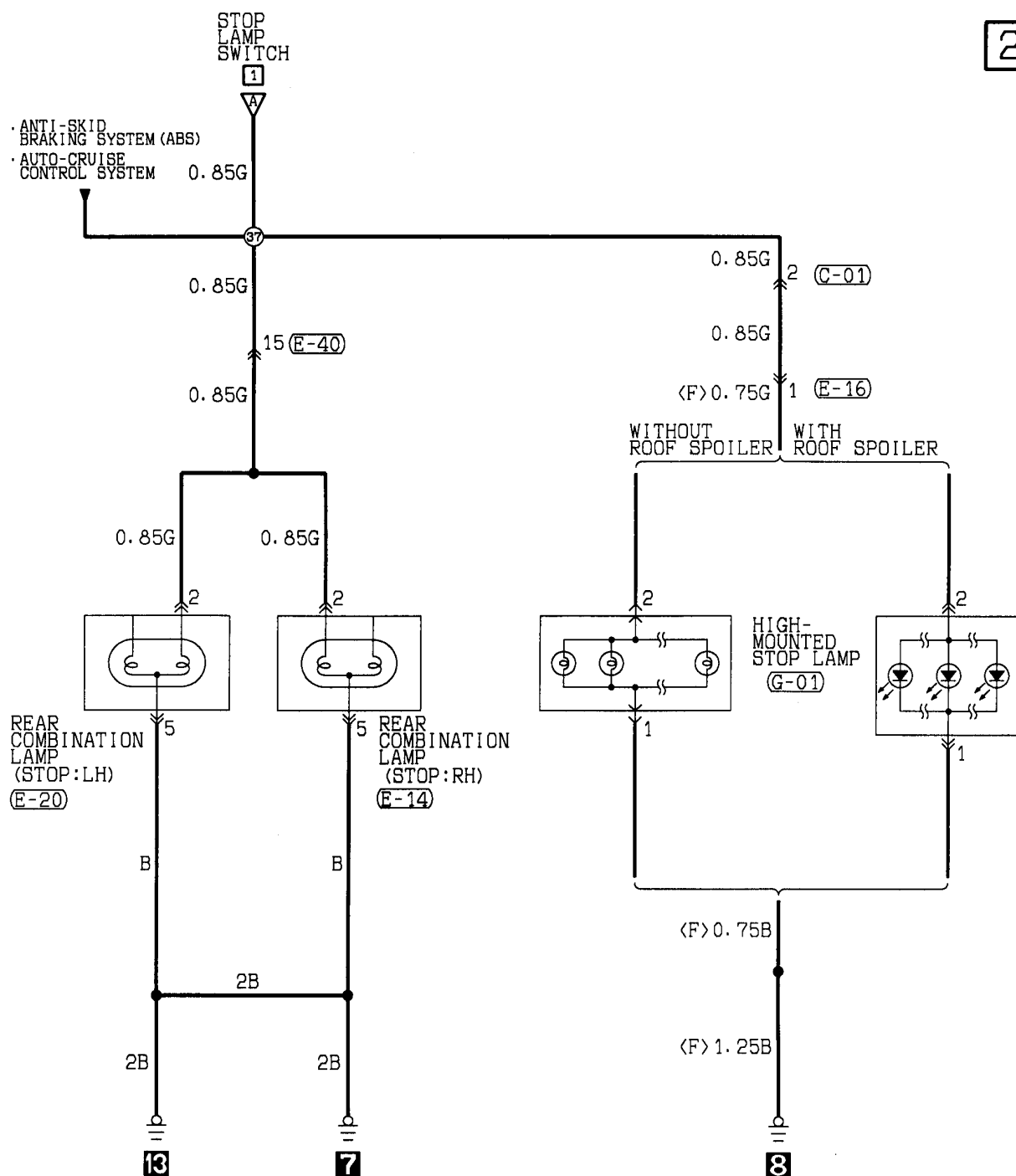
E-40

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

G-01

1	2
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2



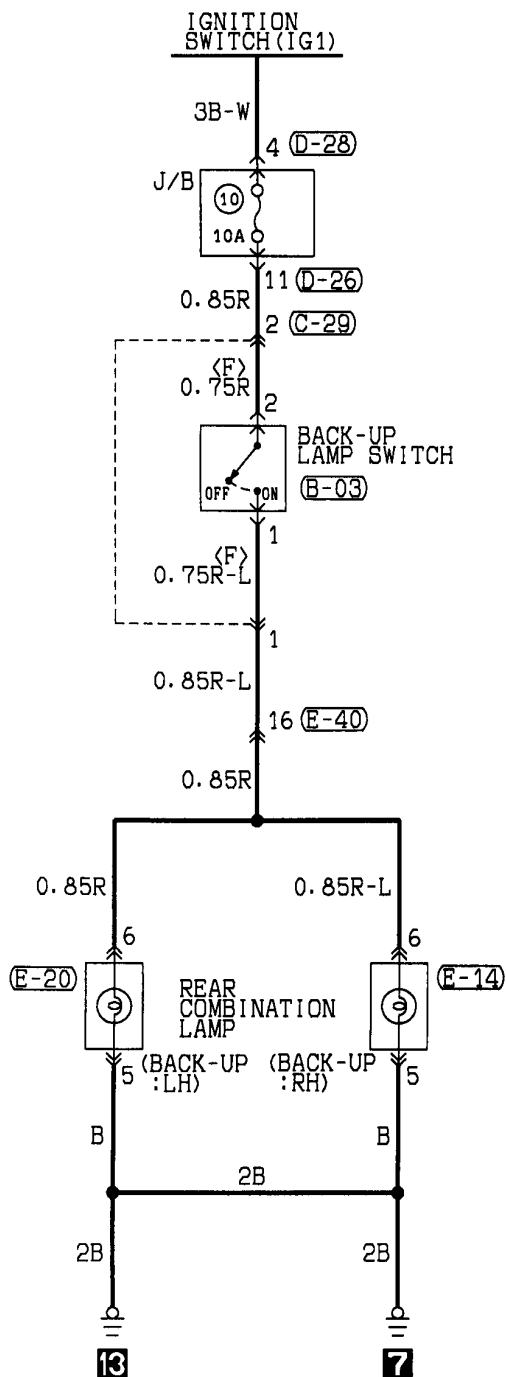
Wire colour code

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

BACK-UP LAMP

90100310687

1



Wire colour code

B : Black LG : Light green

BR : Brown O : Orange

G : Green

L : Blue

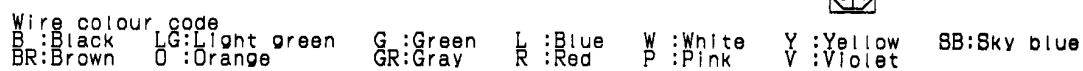
W : White

Y : Yellow

SB : Sky blue

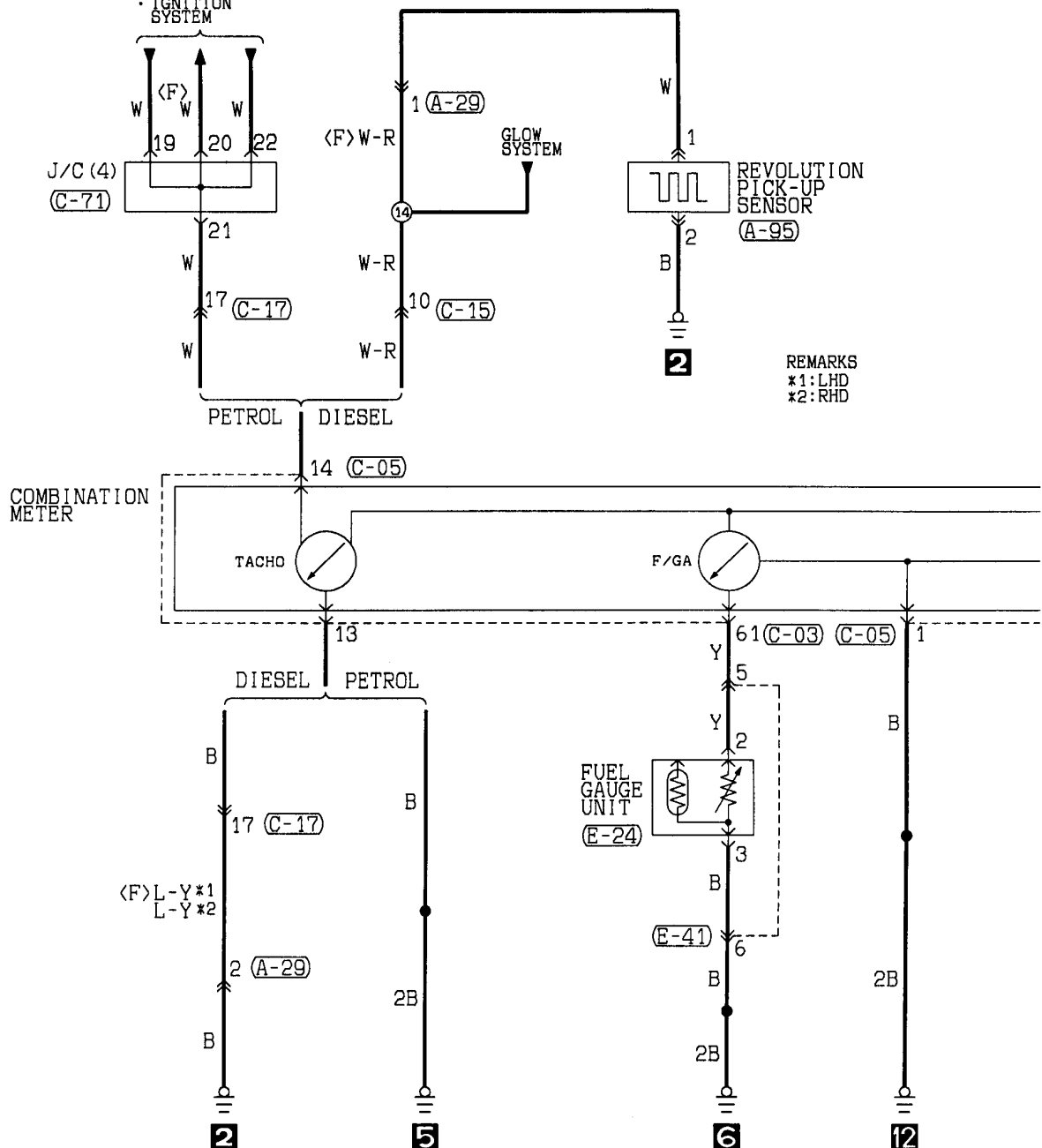
9P09E02AA









90100330690







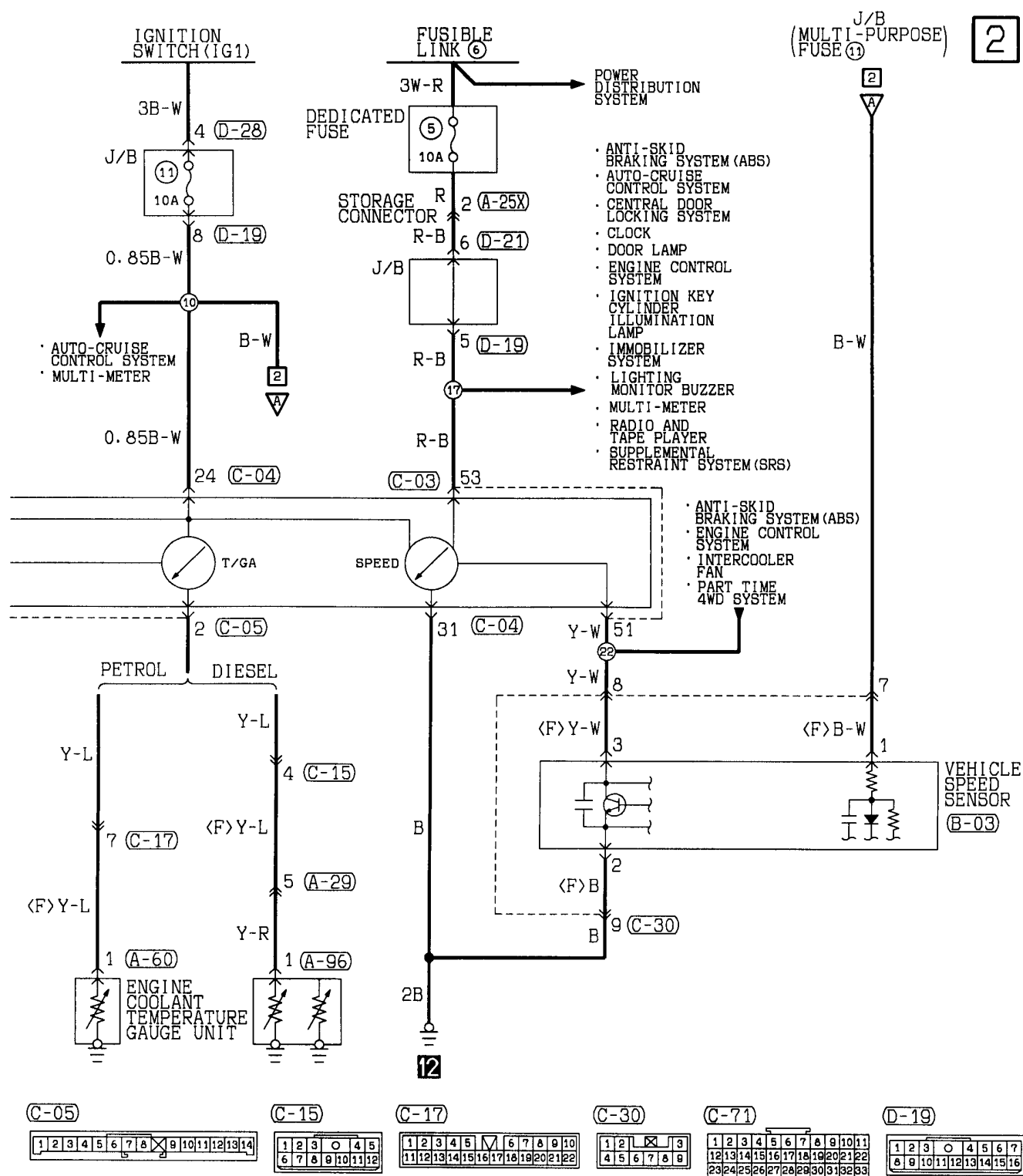
90100350771

- ENGINE CONTROL SYSTEM
- IGNITION SYSTEM

REMARKS
*1:LHD
*2:RHD

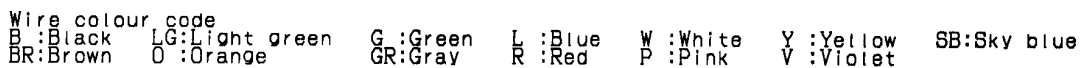
A-25X 
 A-29 
 A-60 
 A-95 
 A-96 
 B-03 
 C-03 
 C-04 

D-21 
 D-28 
 E-24 
 E-41 



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

3



METER AND GAUGE (See P. 4-92.)

90100350788

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 "F" 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 "E" area.

<Engine coolant temperature gauge>

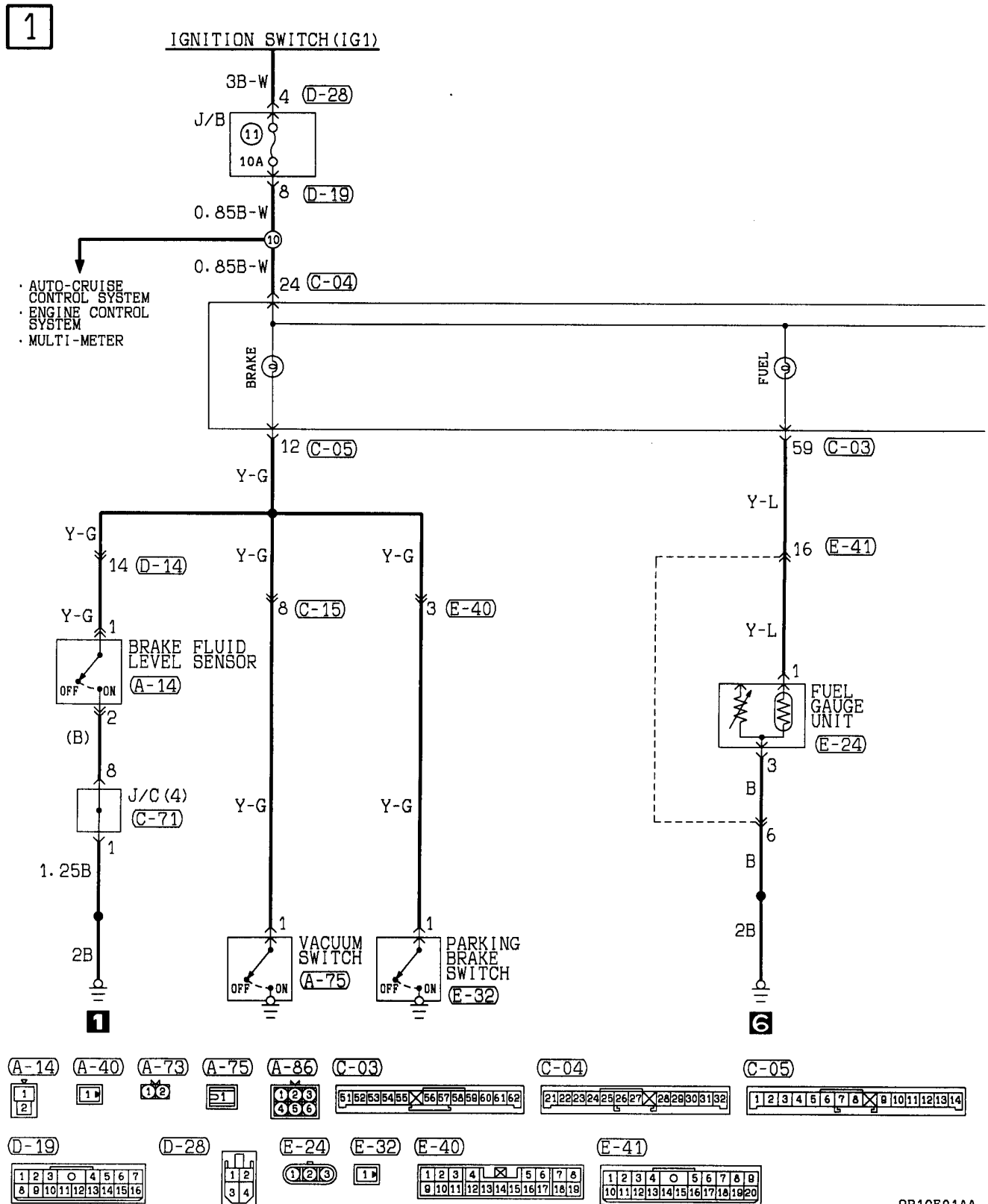
- When the ignition switch is at the "ON" position, the engine coolant temperature gauge is activated.
- When the engine coolant temperature is high, the unit's resistance is low and there is a great flow of current in the circuit, so the gauge's indicator indicates in the "H" area.
- When the engine 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 "2" 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.
 - Check earth.

BRAKE WARNING LAMP FUEL WARNING LAMP

90101180577

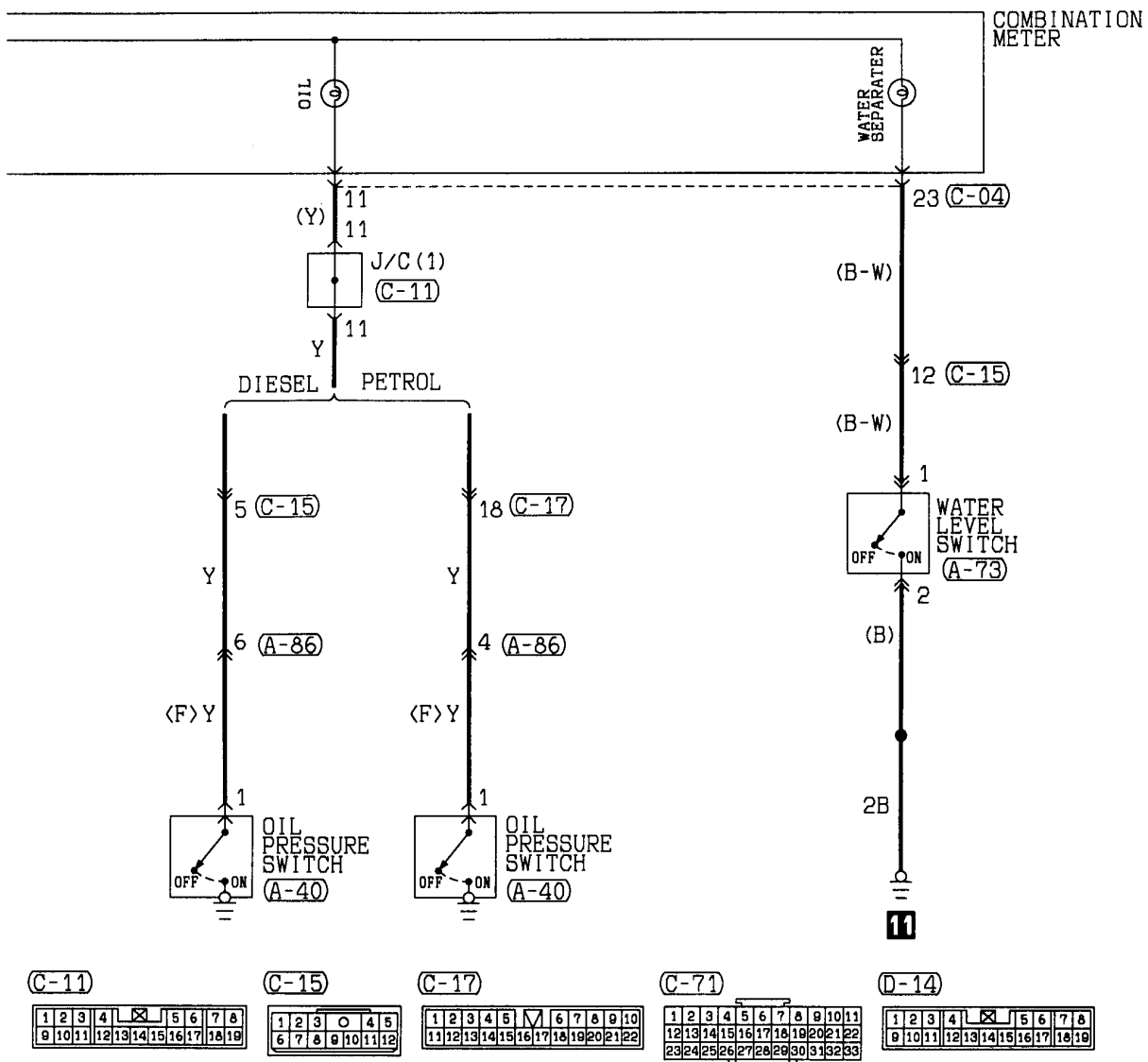


OIL PRESSURE WARNING LAMP

FUEL FILTER WARNING LAMP

Diesel-powered vehicles

2



BRAKE WARNING LAMP (See P. 4-96.)

FUEL WARNING LAMP (See P. 4-96.)

OIL PRESSURE WARNING LAMP (See P. 4-97.)

FUEL FILTER WARNING LAMP (See P. 4-97.)

OPERATION

<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 switch is activated or the parking brake switch is turned on, causing the brake warning lamp to illuminate.
- On diesel-powered vehicles, when the brake booster vacuum line fails, the vacuum switch is turned on causing the brake warning lamp to illuminate.

<Fuel warning lamp>

- When the fuel level goes down causing the level sensor to be exposed, with the ignition switch in the ON position, the resistance of level sensor becomes small. When this resistance goes down below the predetermined level, the fuel warning lamp illuminates to warn the driver that the amount of fuel still available for use is small.

<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 filter warning lamp> (Diesel)

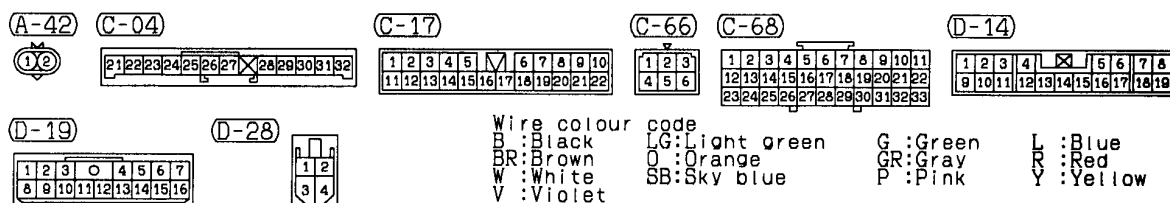
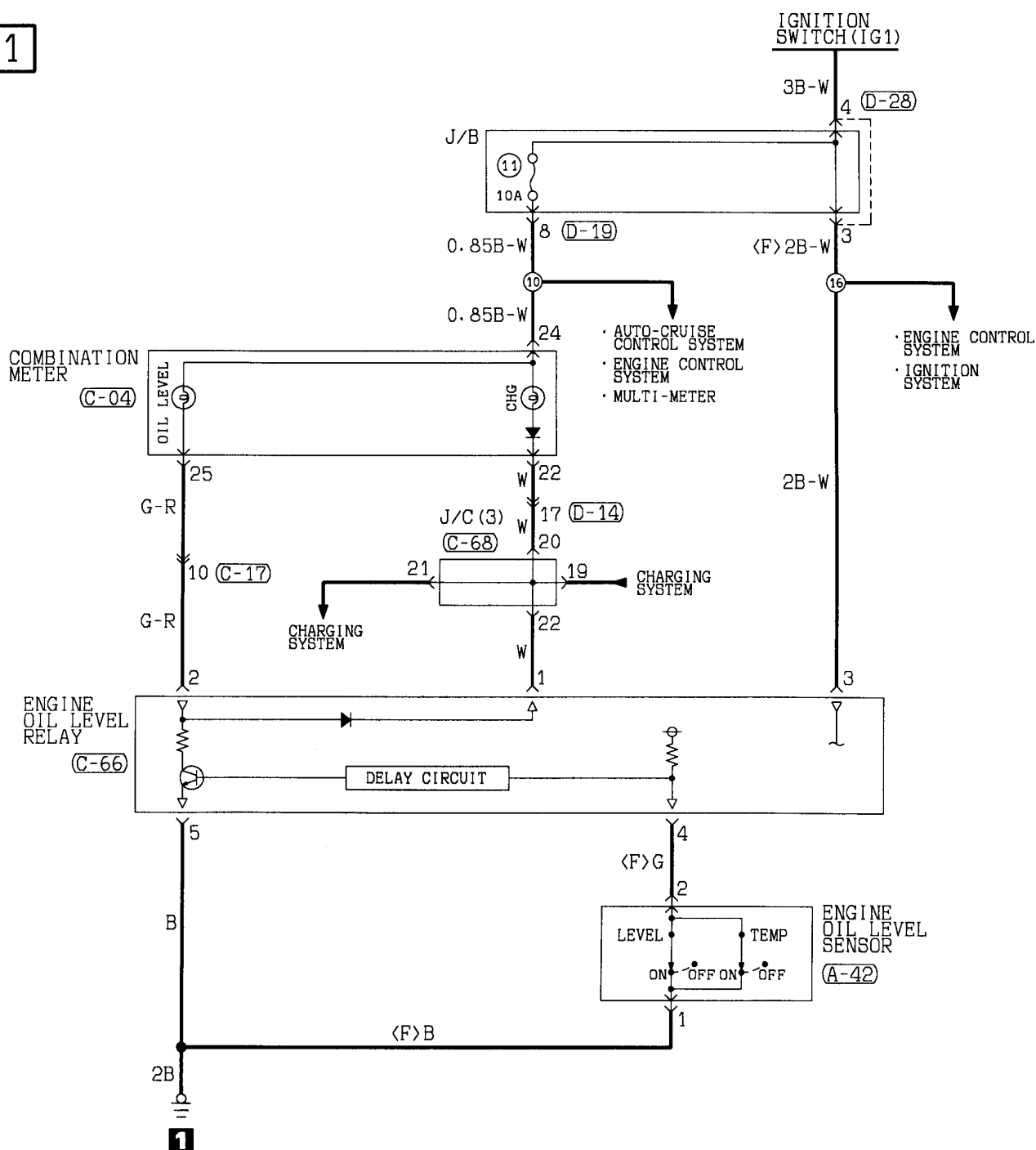
- When the ignition switch is turned to the ON position (with the engine stopped), the fuel filter warning lamp illuminates and the lamp switches off when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When condensate has accumulated in the fuel filter, the water level switch turns on causing the fuel filter warning lamp to illuminate.

NOTES

90101180584

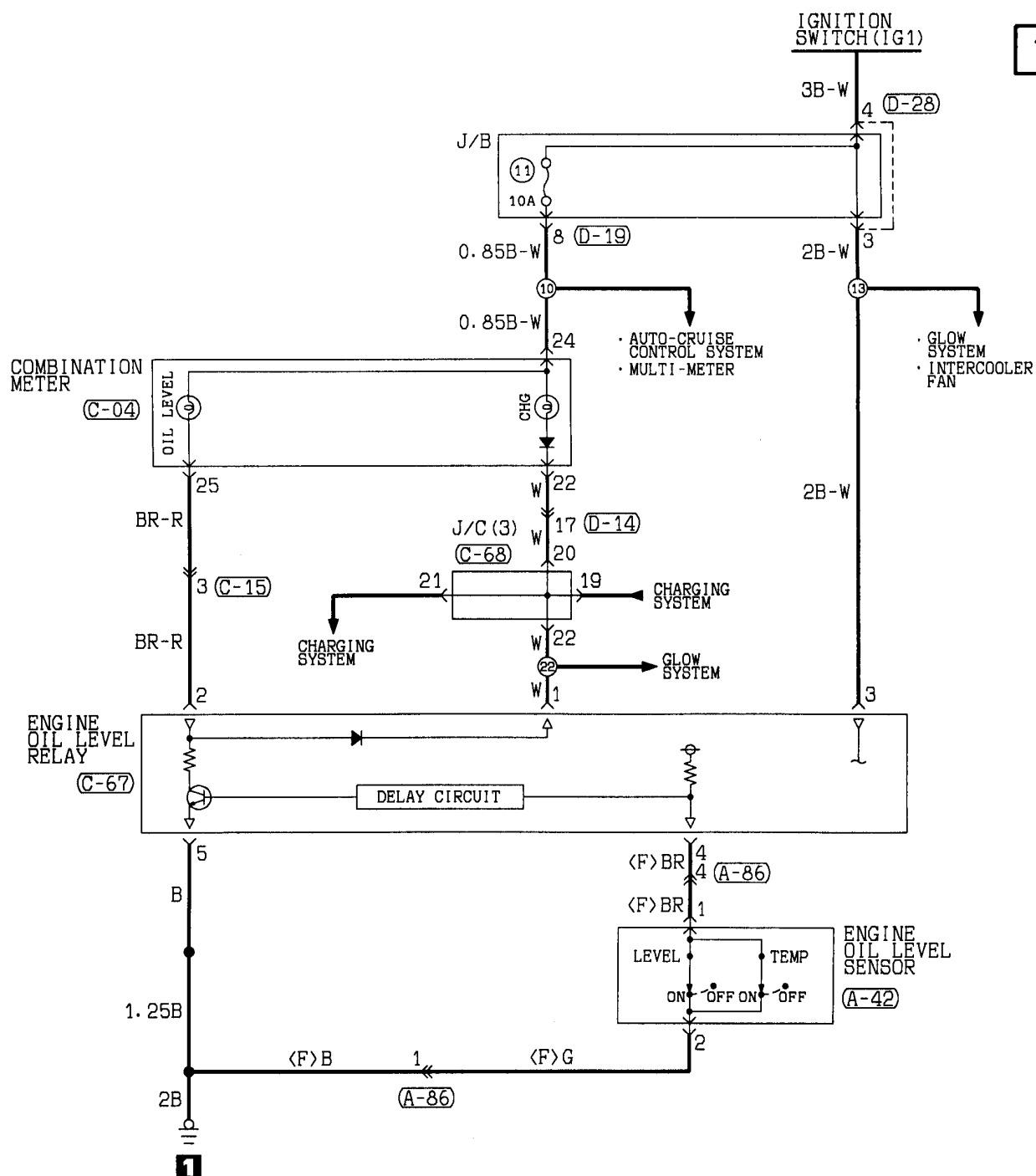
Petrol-powered vehicles

1



90101180591

Diesel-powered vehicles

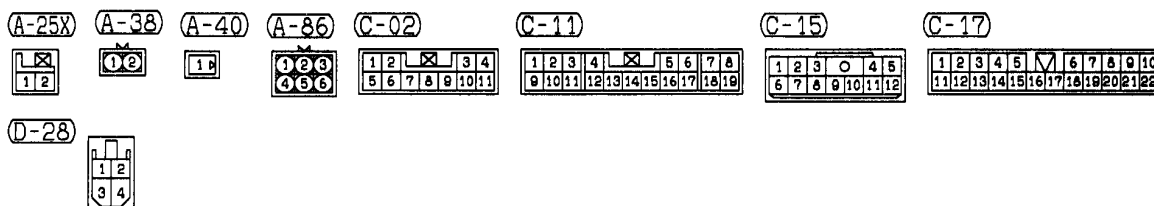
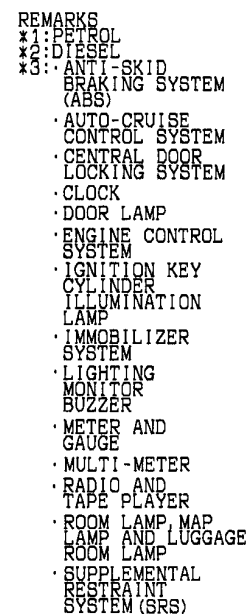


A-42 A-86 C-04 C-15 C-67 C-68 D-14

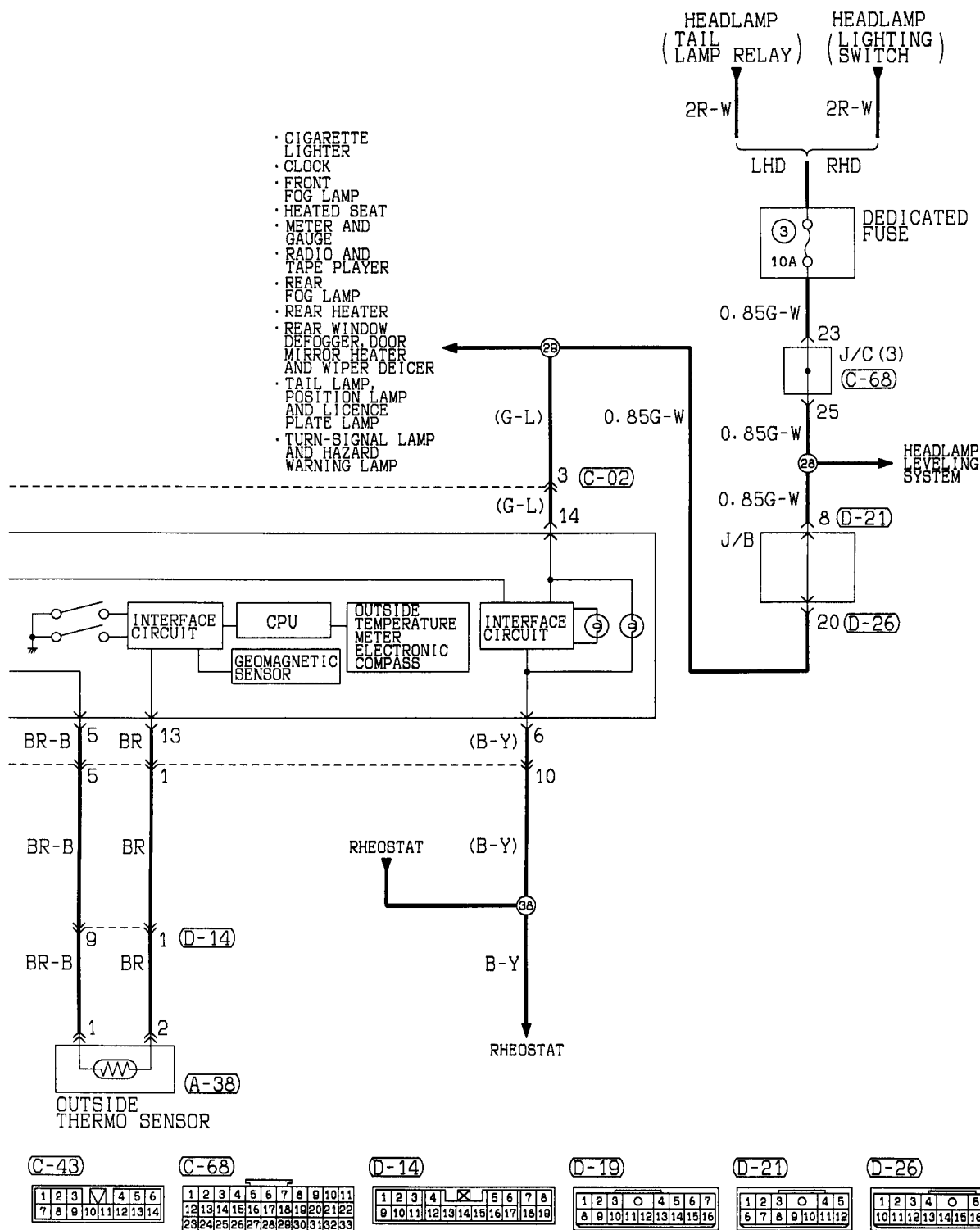
Wire colour code
 B: Black LG: Light green G: Green L: Blue
 BR: Brown O: Orange GR: Gray R: Red
 W: White SB: Sky blue P: Pink Y: Yellow
 V: Violet

90100430185

1



2



Wire colour code

B : Black LG : Light green

G : Green GR : Gray

L : Blue R : Red

W : White P : Pink

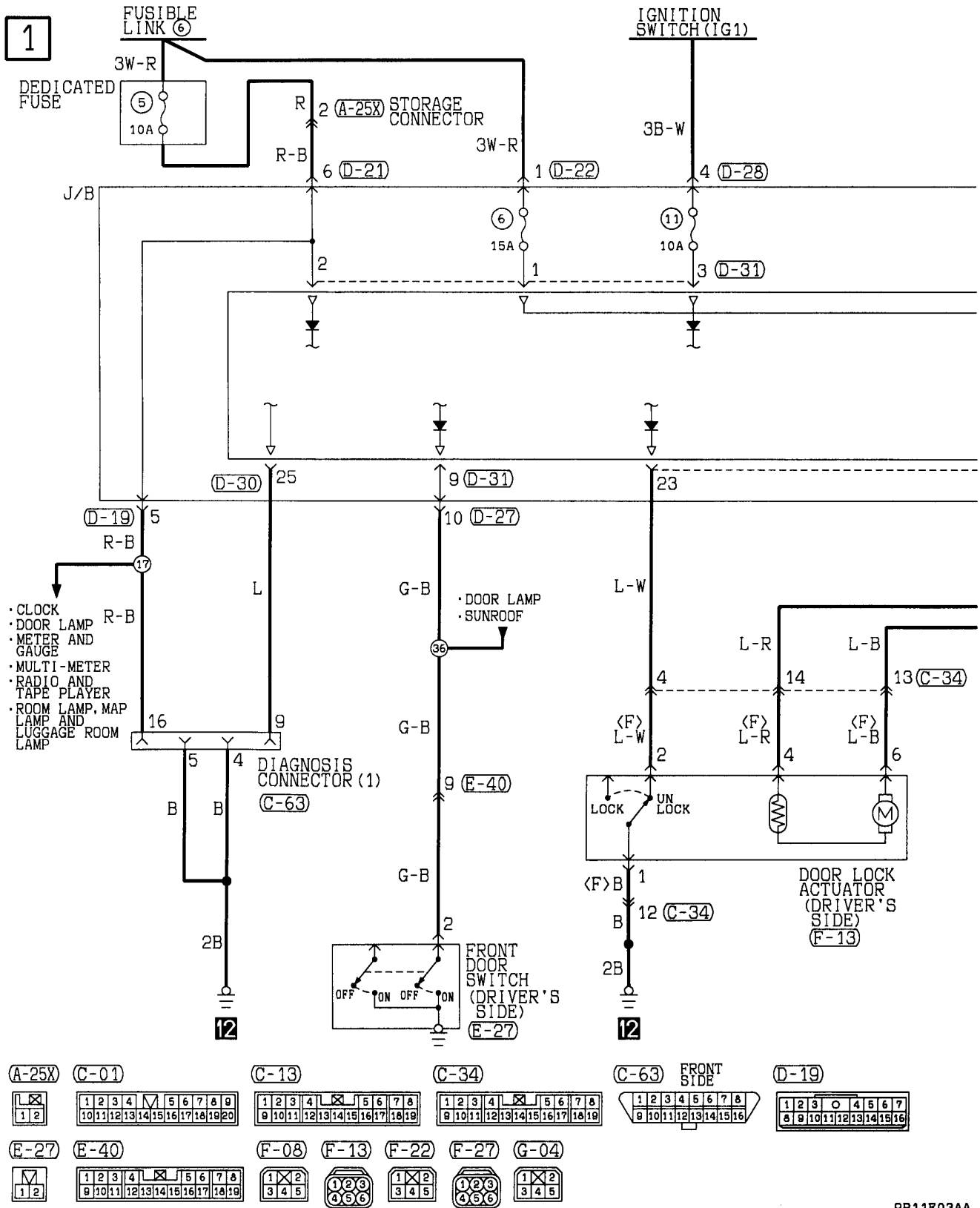
Y : Yellow V : Violet

SB : Sky blue

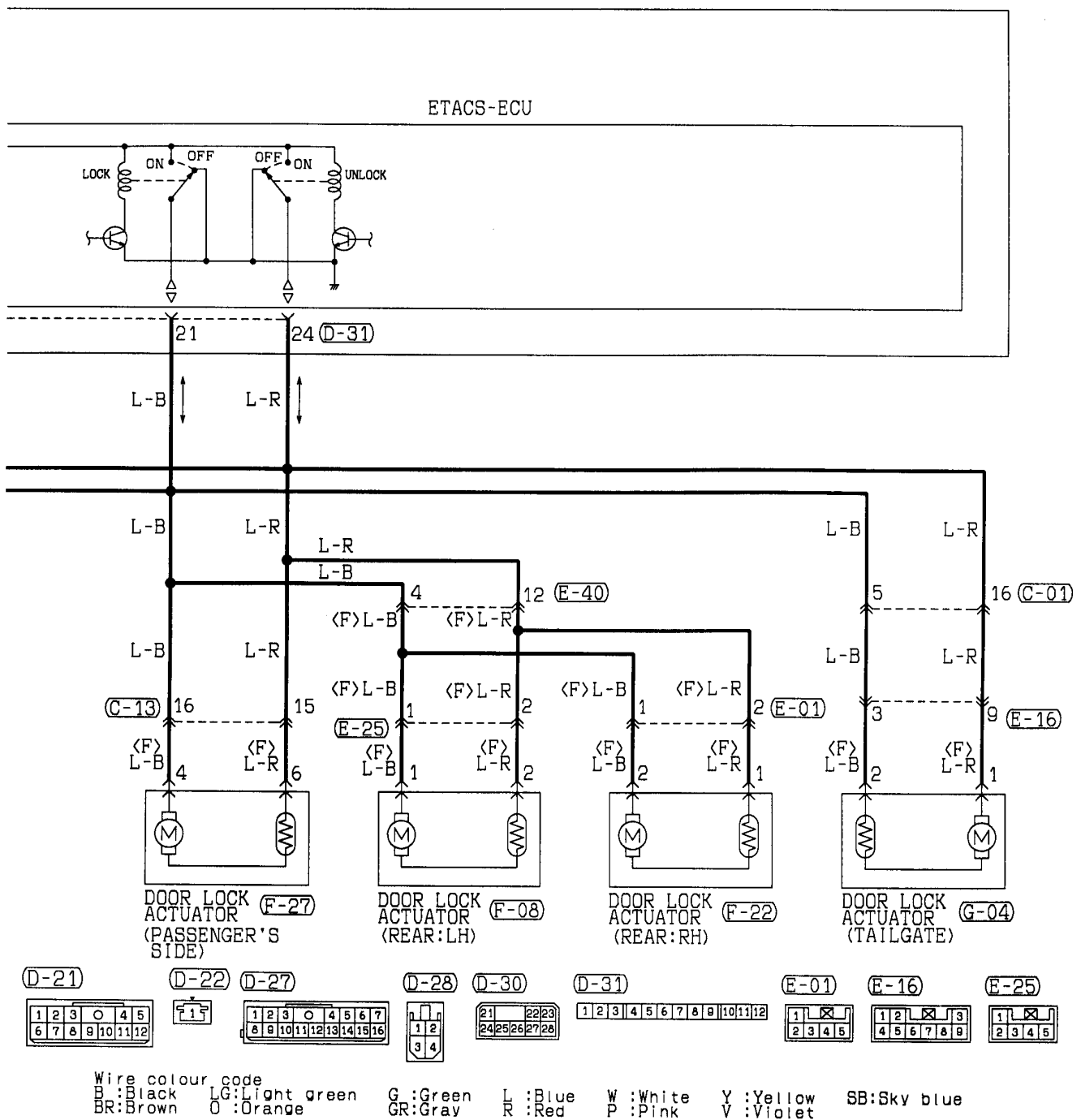
CENTRAL DOOR LOCKING SYSTEM

90100471164

L.H. drive vehicles

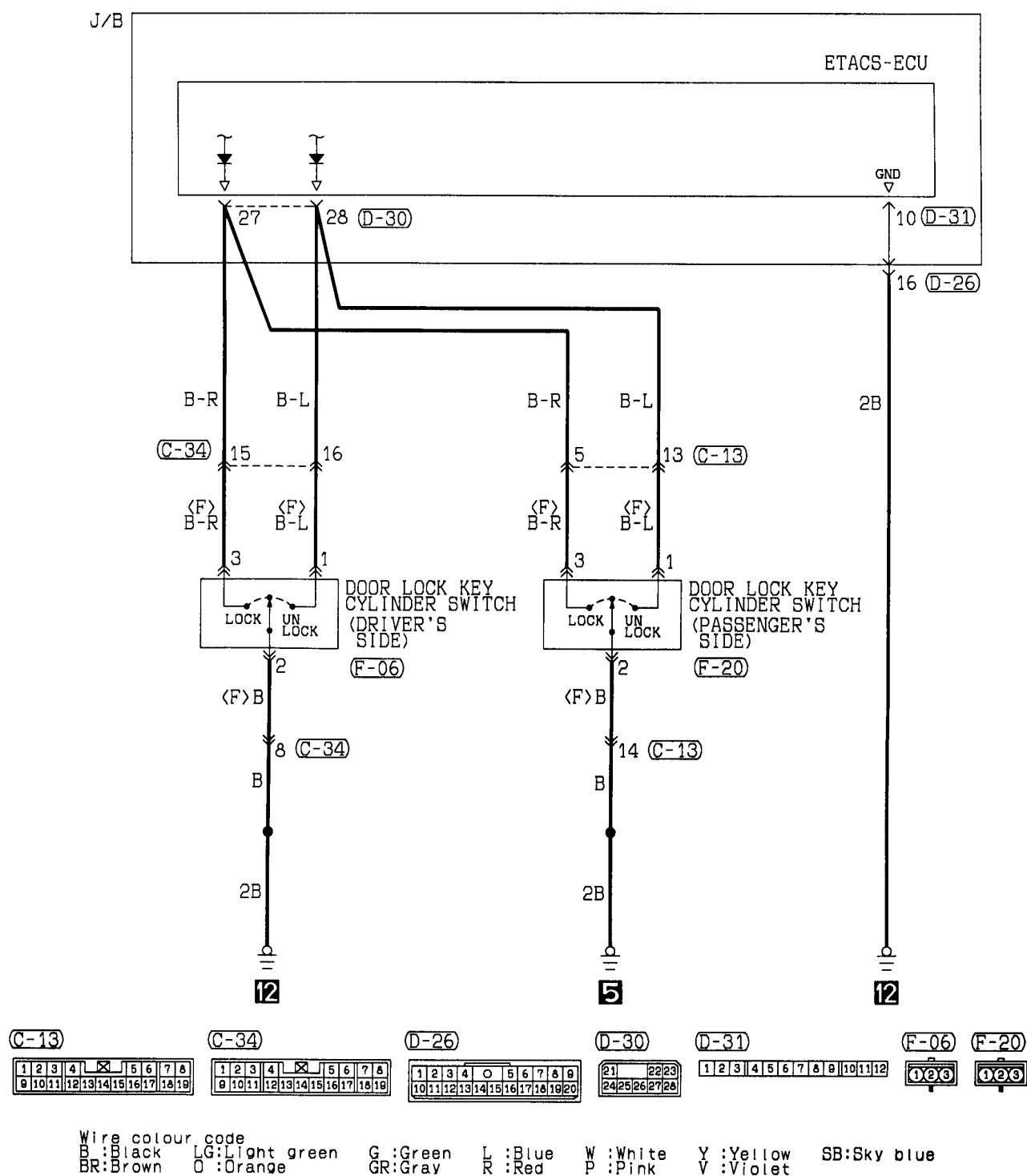


2



CENTRAL DOOR LOCKING SYSTEM <L.H. drive vehicles> (CONTINUED)

3

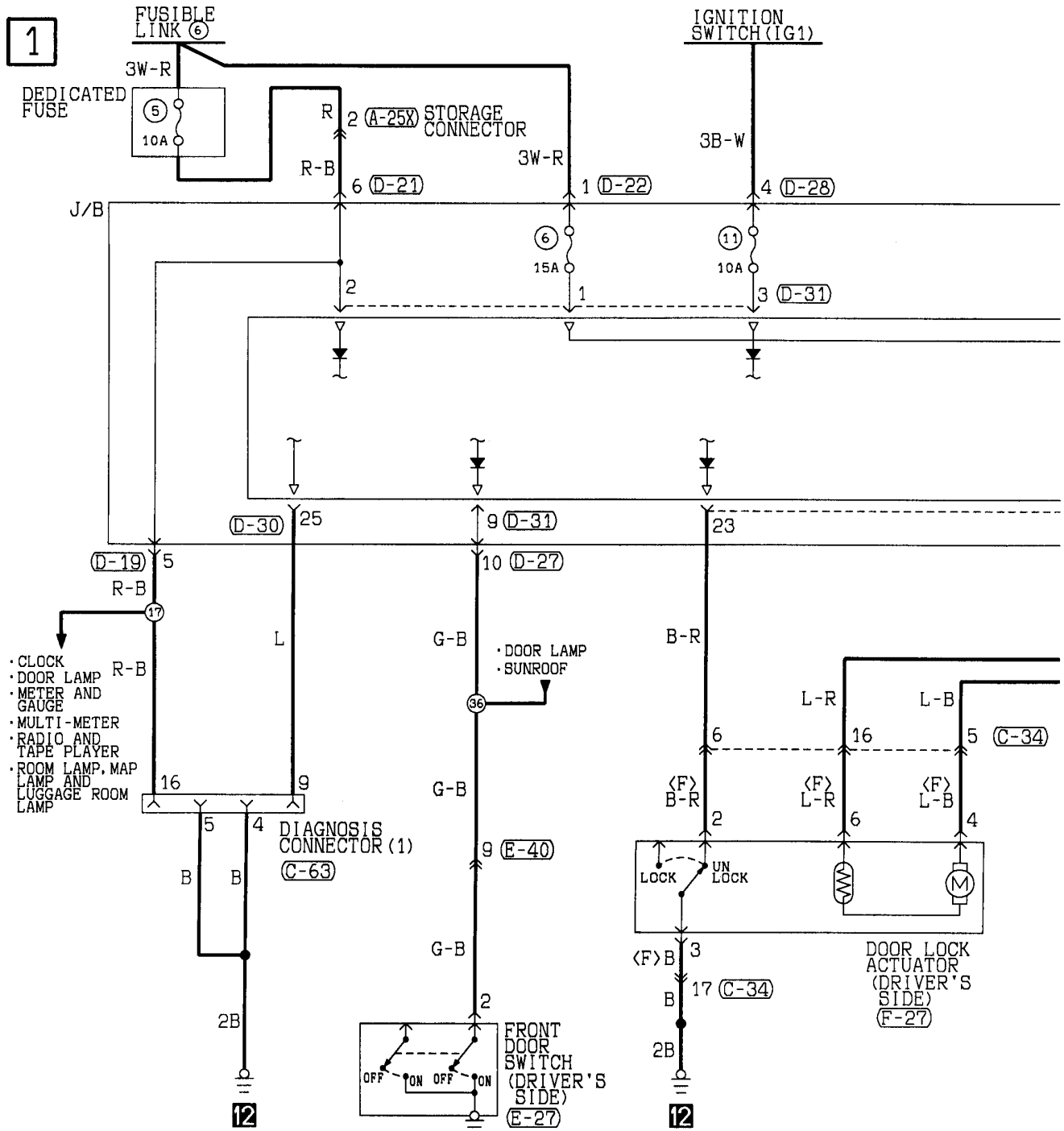


NOTES

CENTRAL DOOR LOCKING SYSTEM

90100471171

R.H. drive vehicles



(A-25)

(C-01)

(C-13)

(C-34)

(C-63)

FRONT SIDE

(D-19)

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							

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							

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							

(E-27)

(E-40)

(F-08)

(F-13)

(F-22)

(F-27)

(G-04)

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							

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

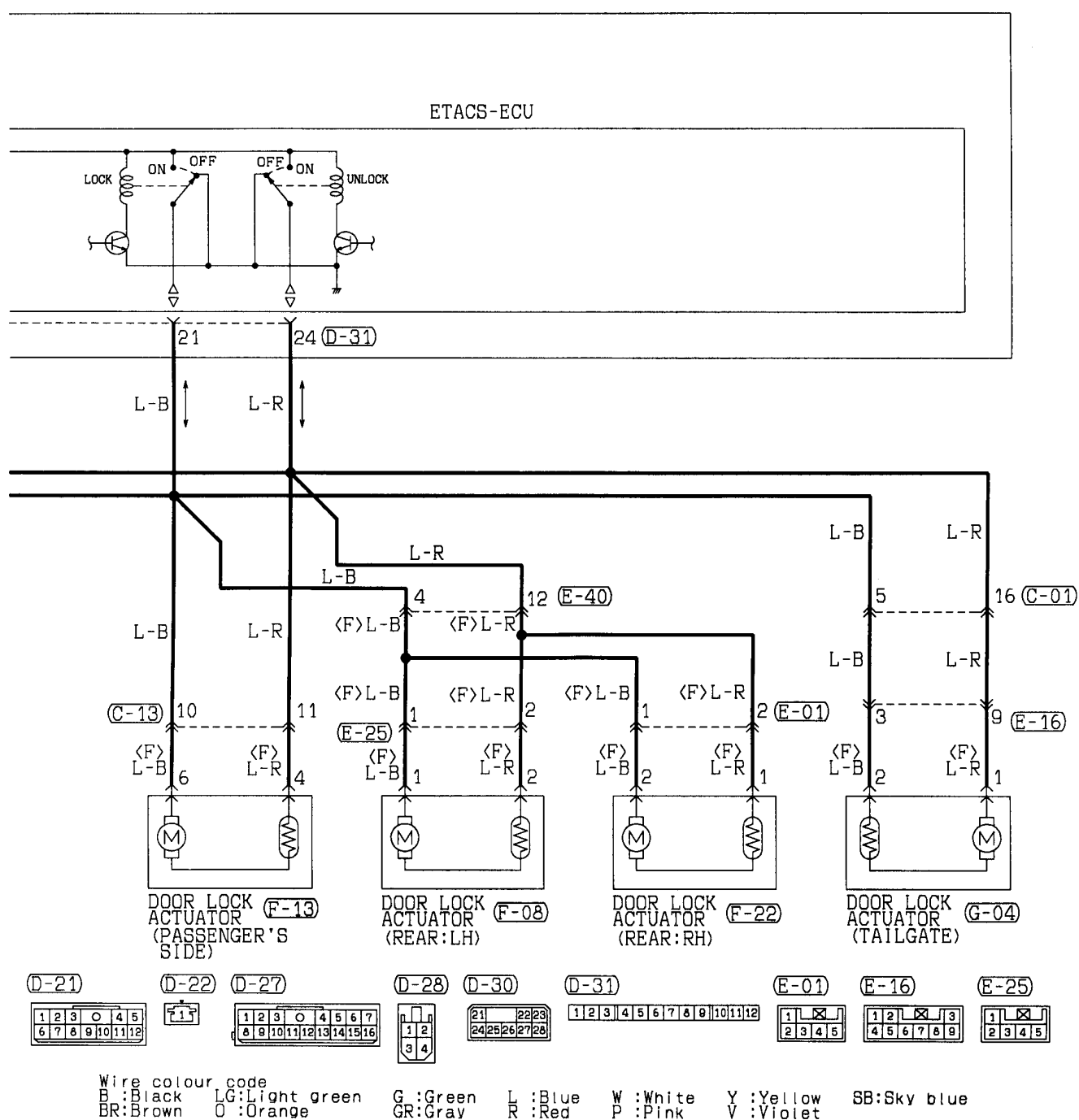
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19	20							

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

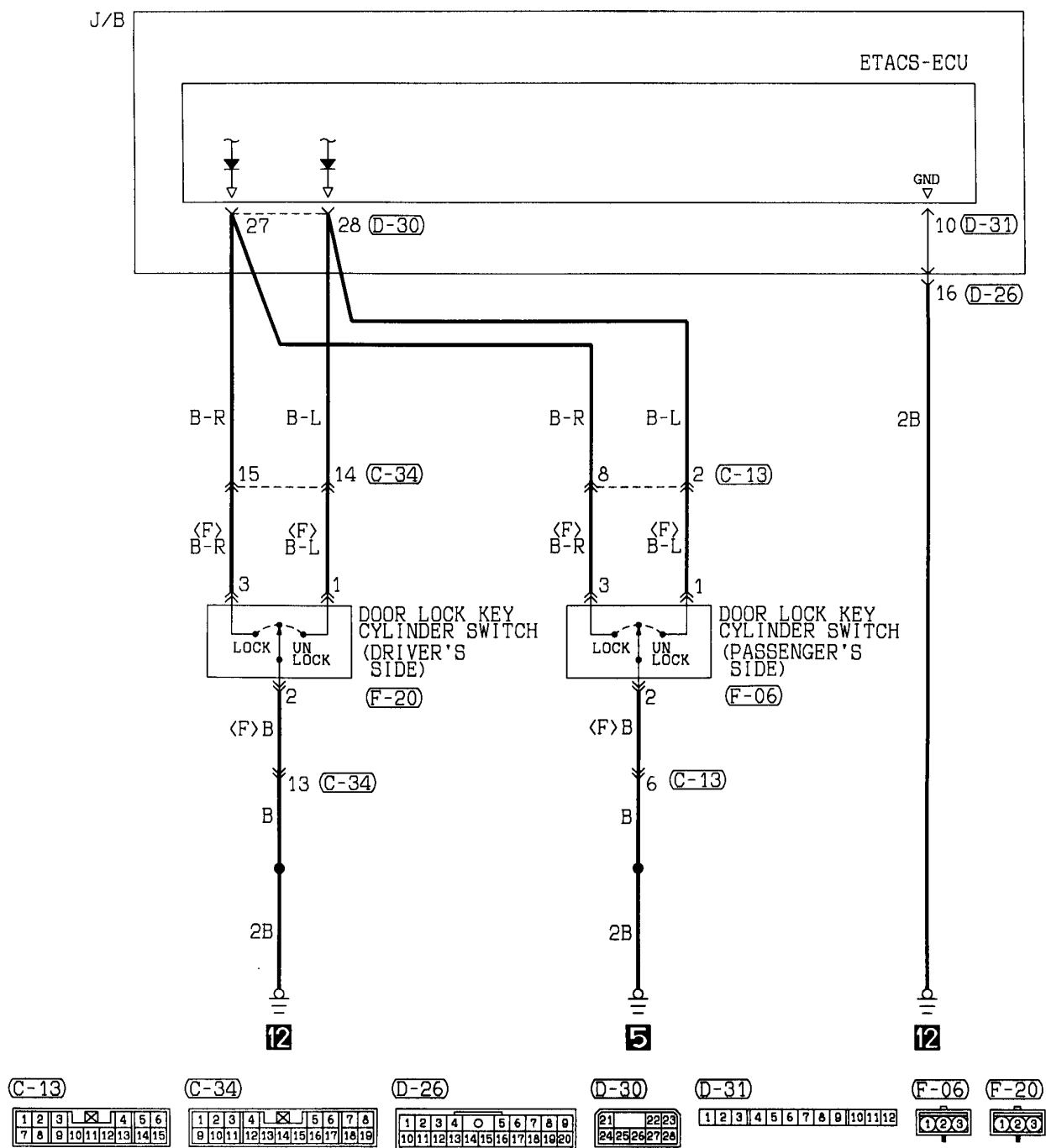
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19	20							

2



CENTRAL DOOR LOCKING SYSTEM <R.H. drive vehicles> (CONTINUED)

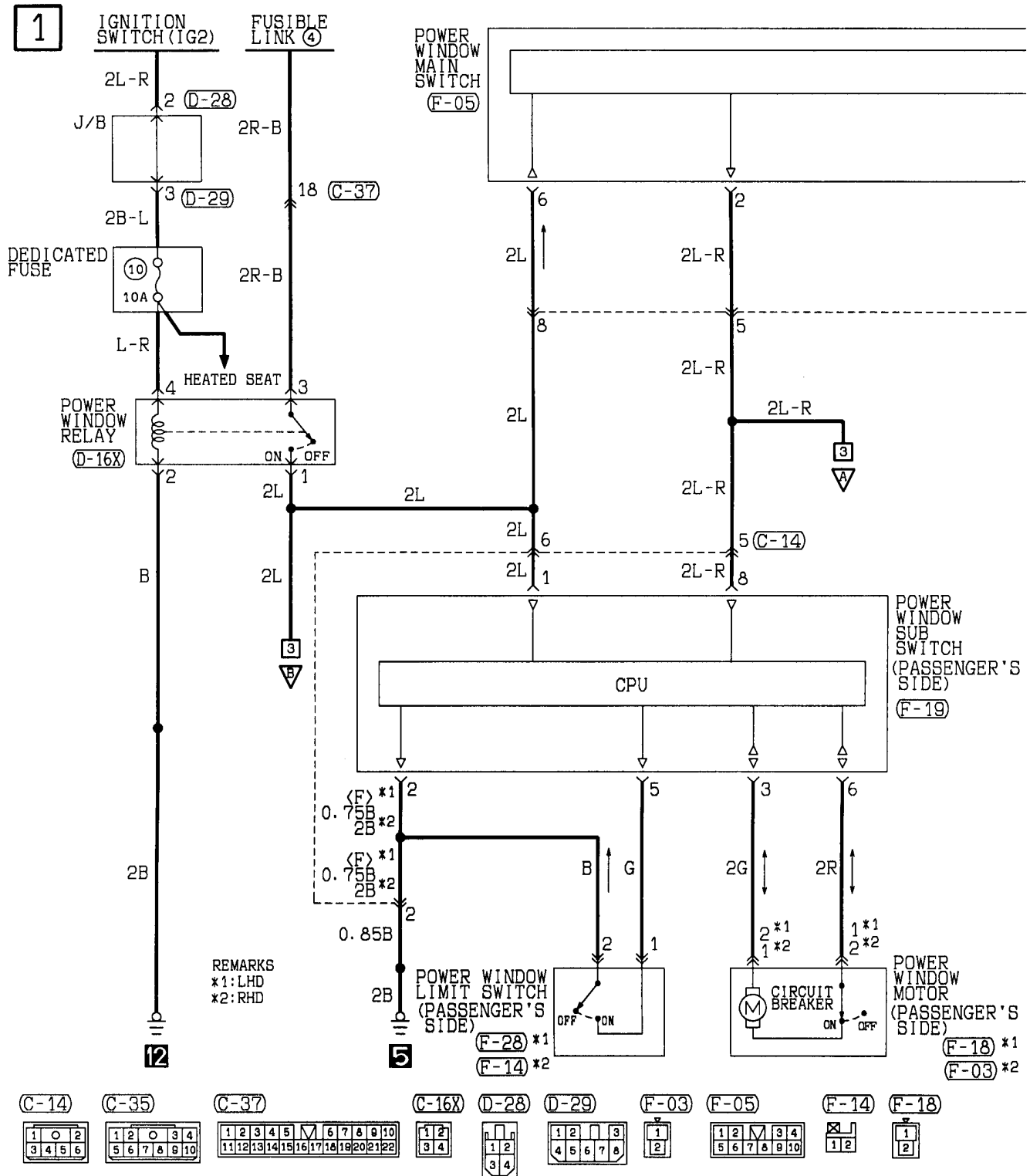
3



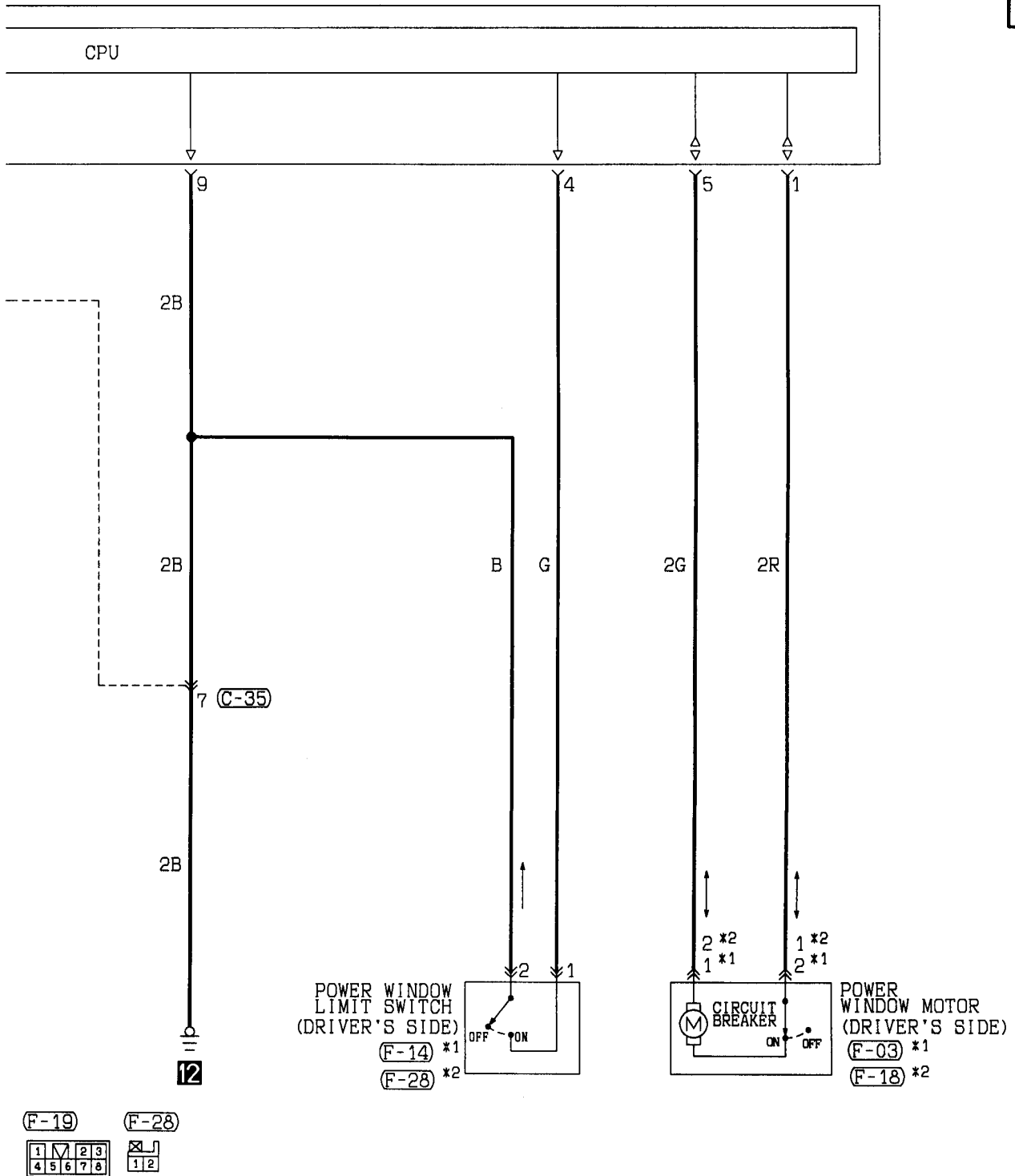
NOTES

POWER WINDOWS

90100460726

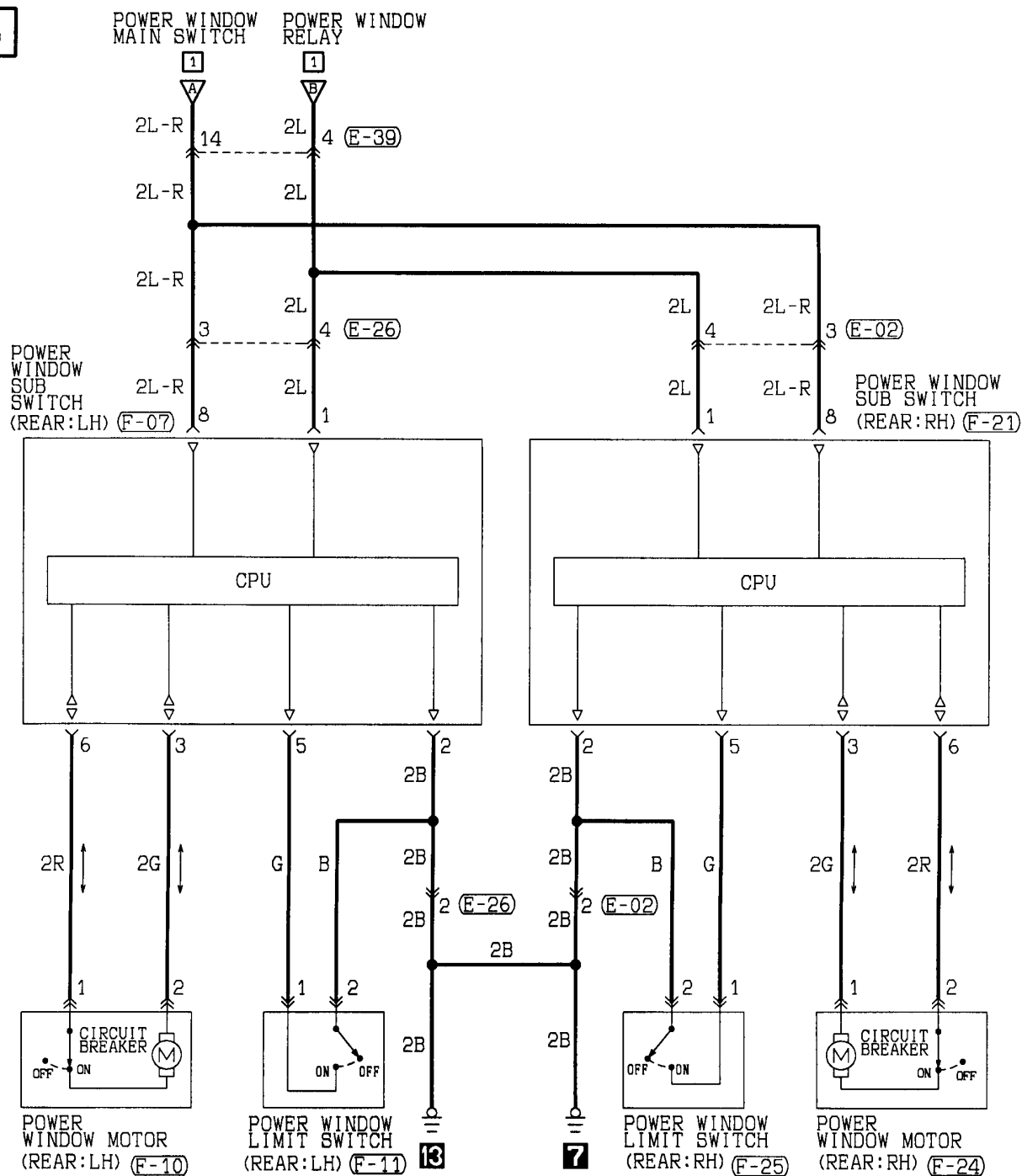


2



POWER WINDOWS (CONTINUED)

3



(E-02)	(E-26)	(E-39)	(F-07)	(F-10)	(F-11)	(F-21)	(F-24)	(F-25)

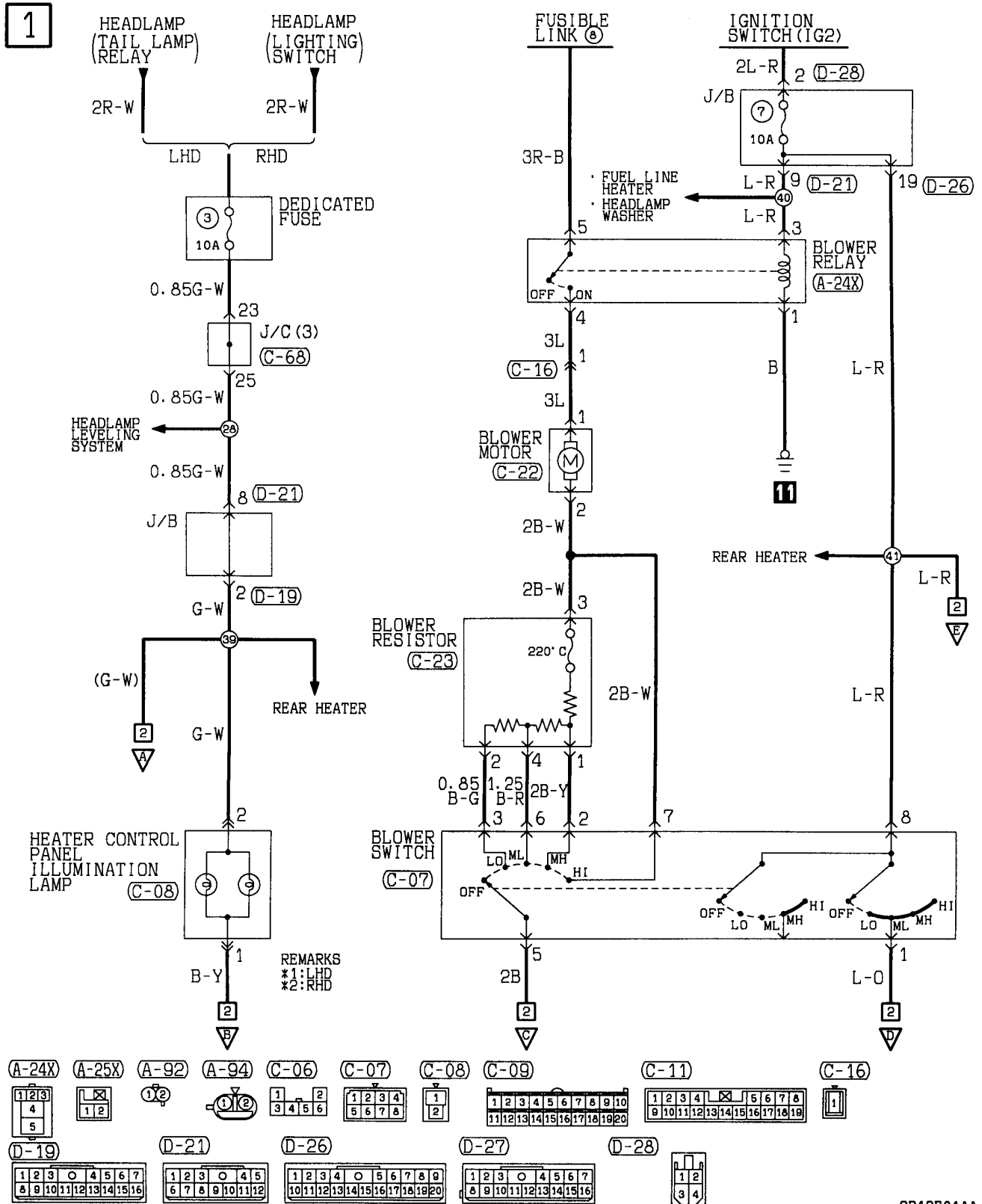
Wire colour code

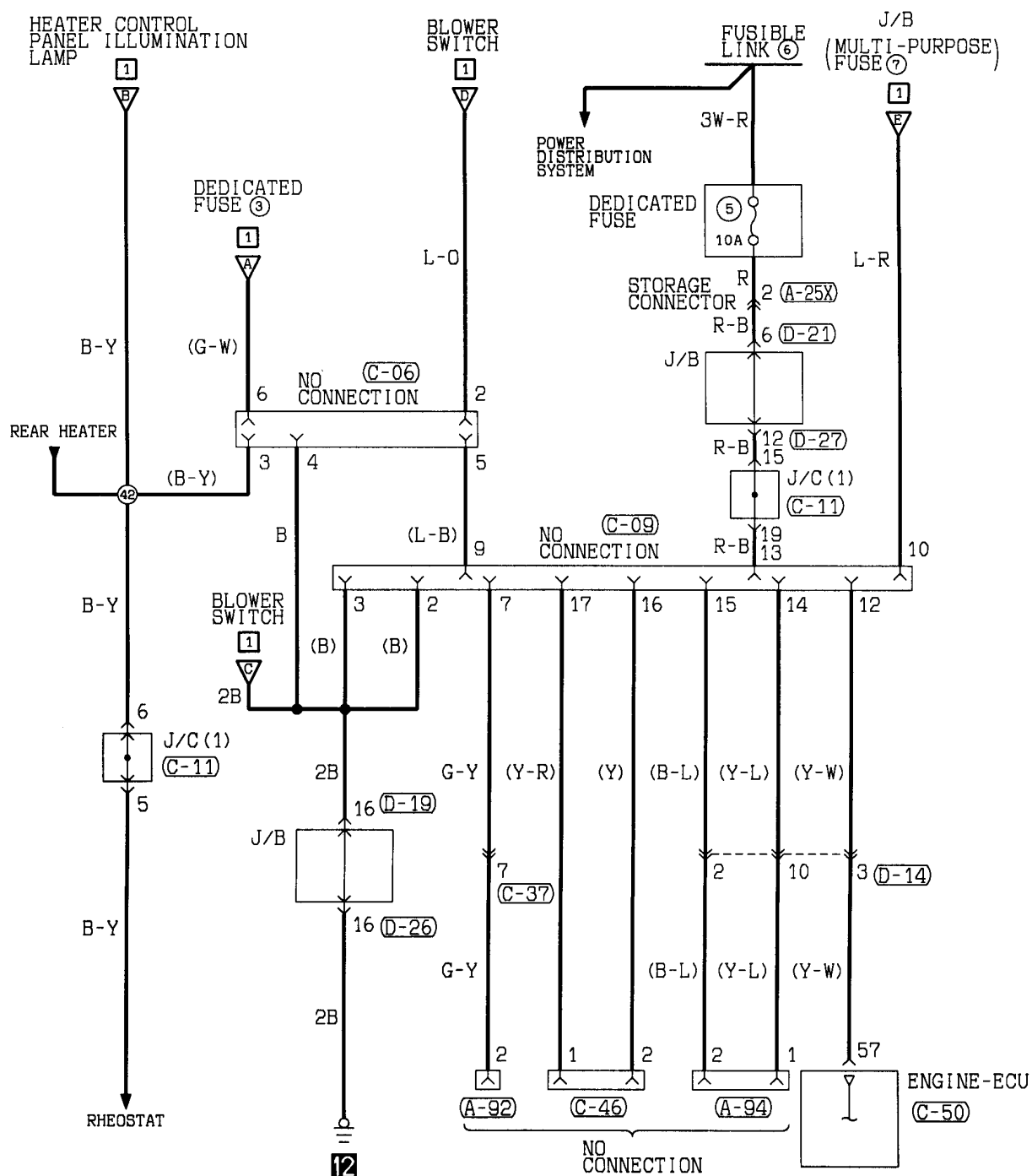
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

NOTES

HEATER

90101330378





(C-22)

1	2
1	2

(C-23)

1	2
3	4

(C-37)

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

(C-46)

1
2

(C-50)

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

(C-68)

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

(D-14)

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

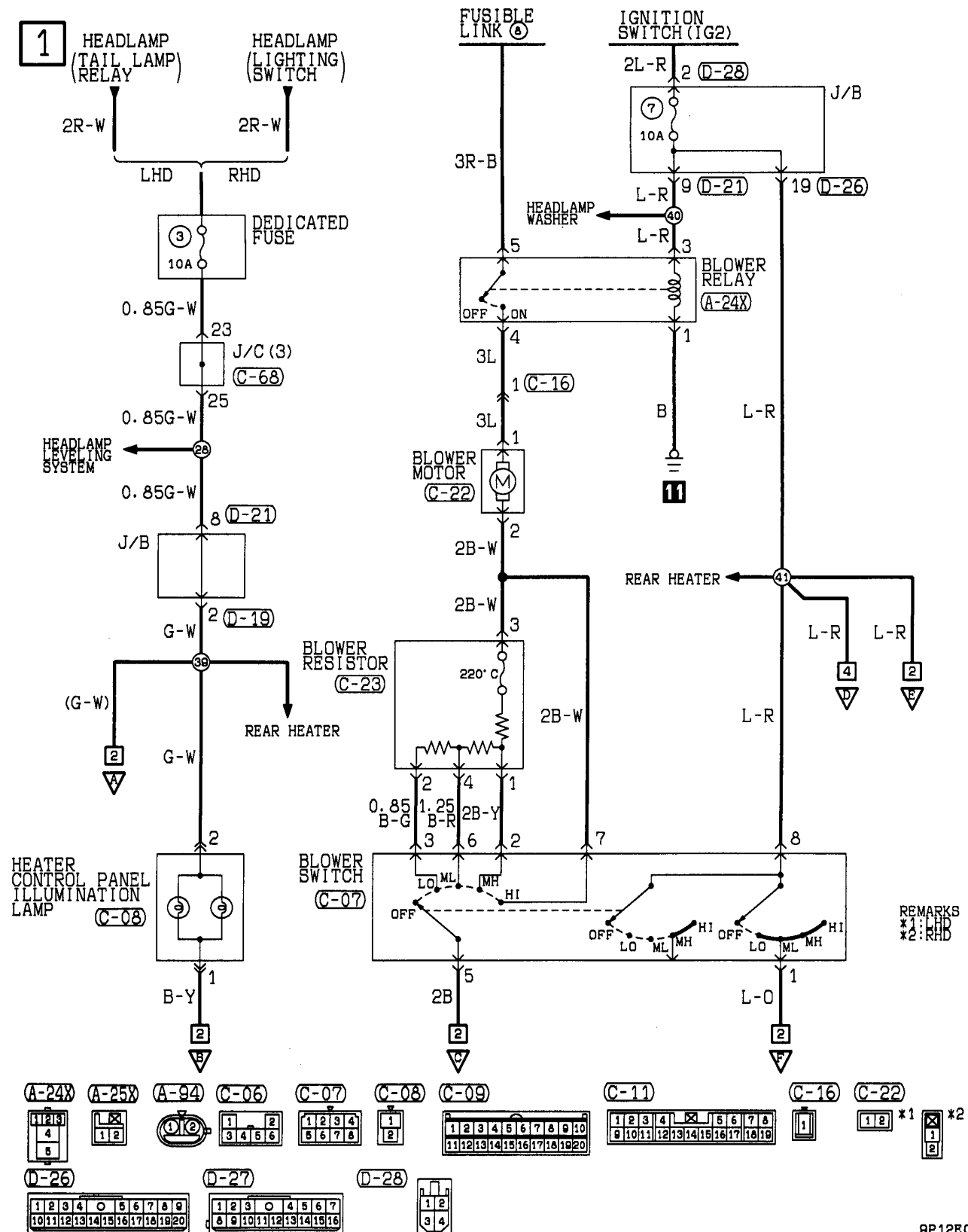
Wire colour code

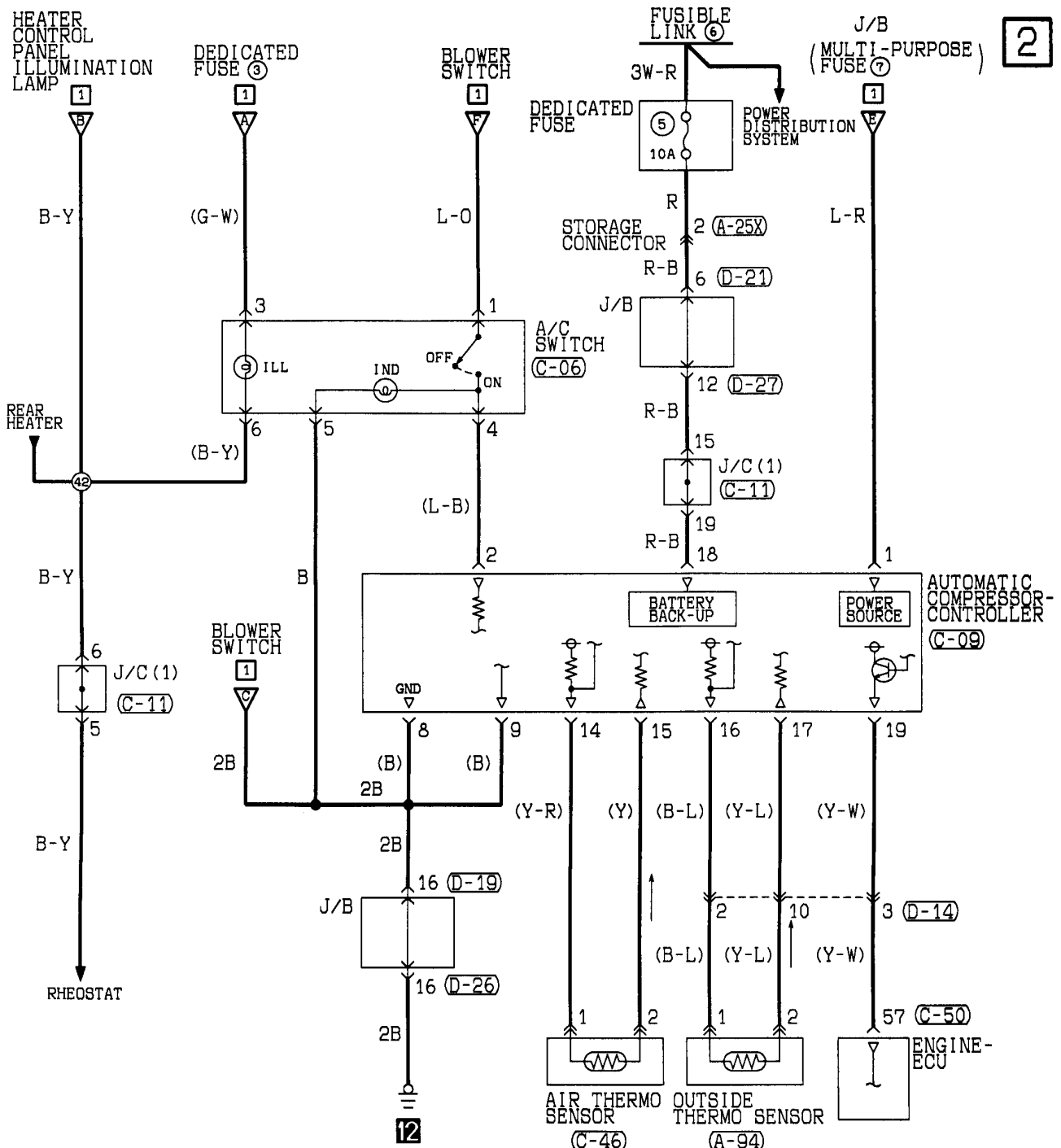
B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

AIR CONDITIONER

90100550591

Petrol-powered vehicles





1	2
3	4

1
2

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

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

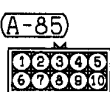
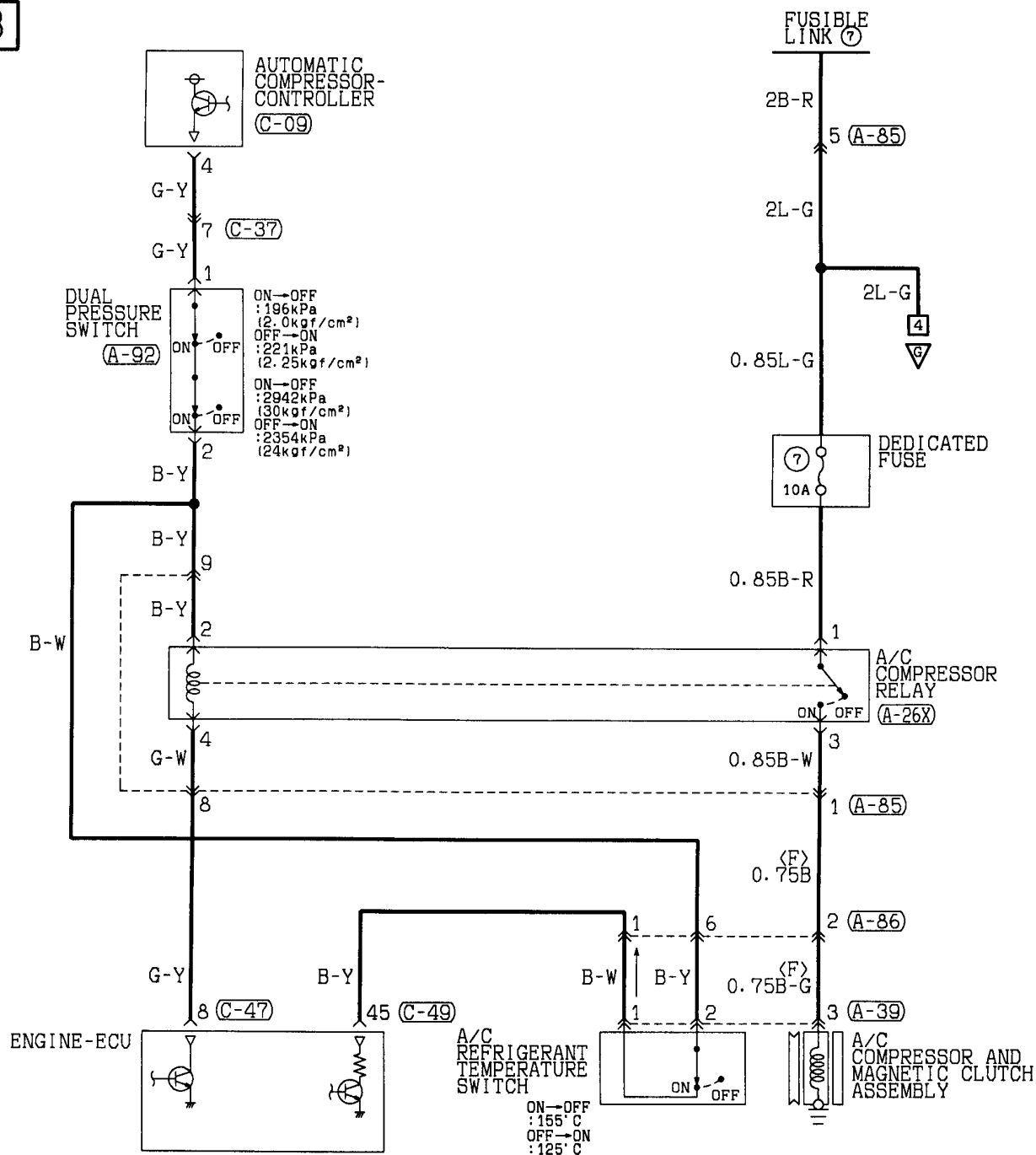
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

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

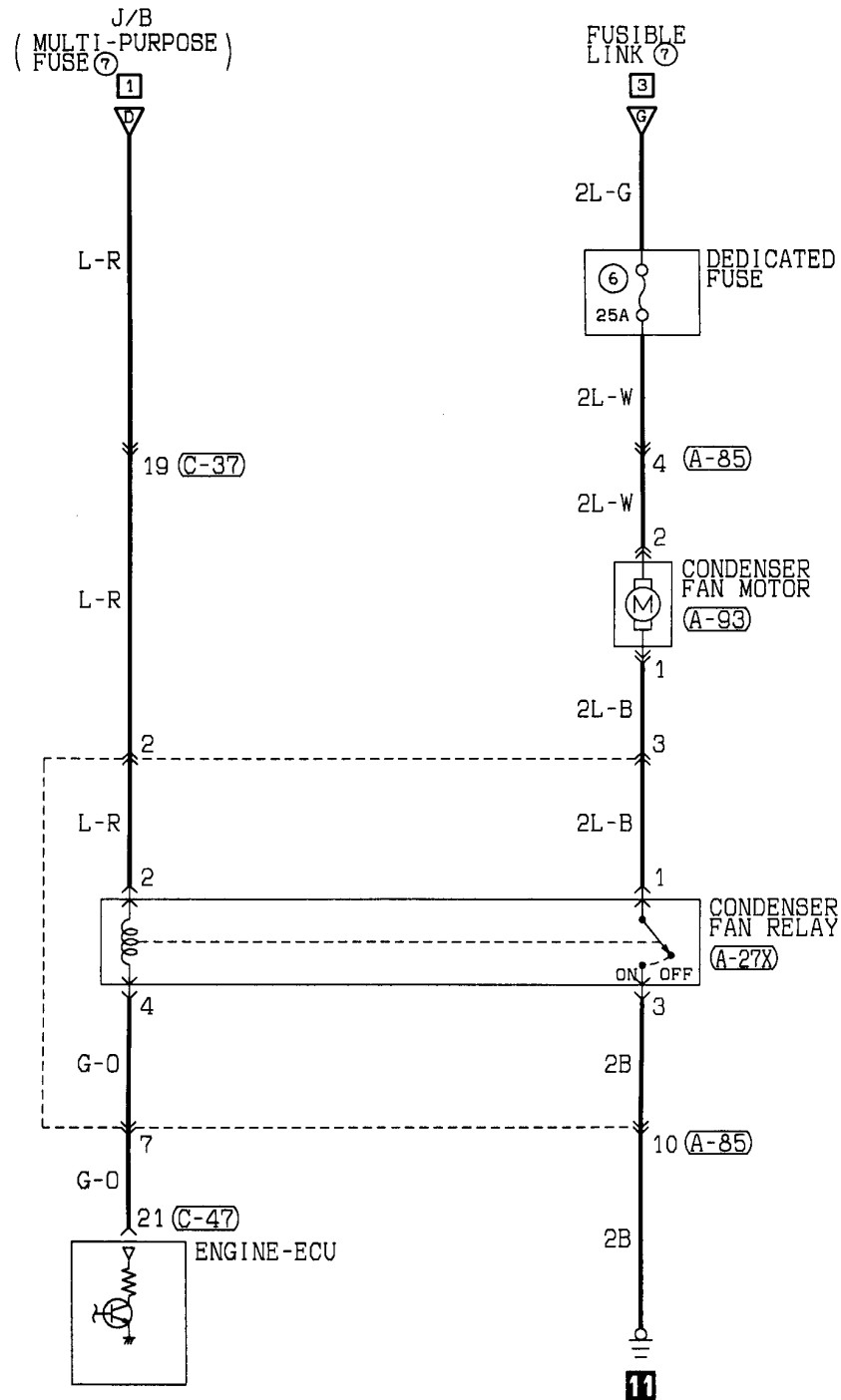
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15

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

3



4



(C-47)

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

(C-49)

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

Wire colour code

B : Black LG: Light green

G : Green GR: Gray

L : Blue R : Red

W : White P : Pink

Y : Yellow V : Violet

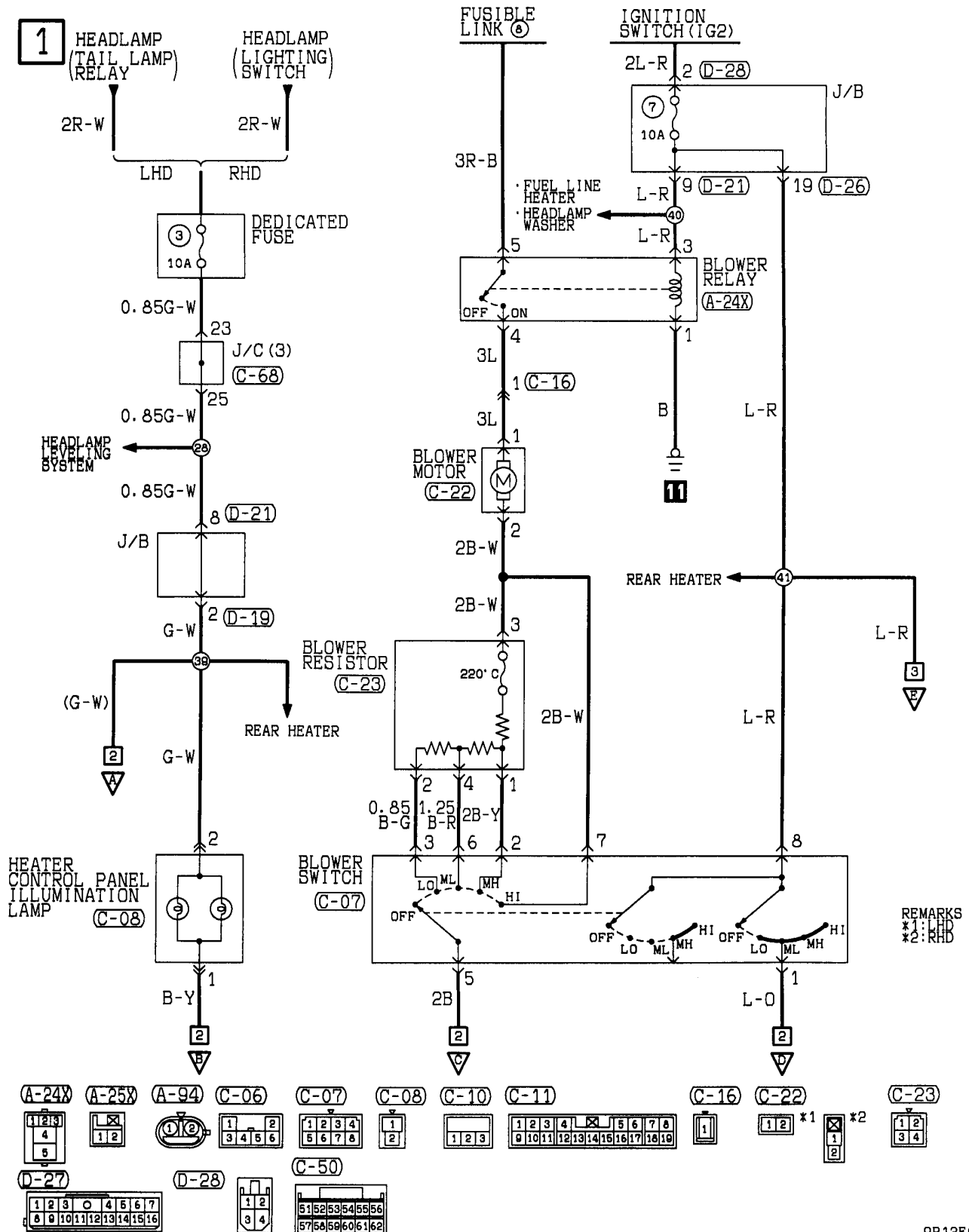
SB: Sky blue

9P12E02BB

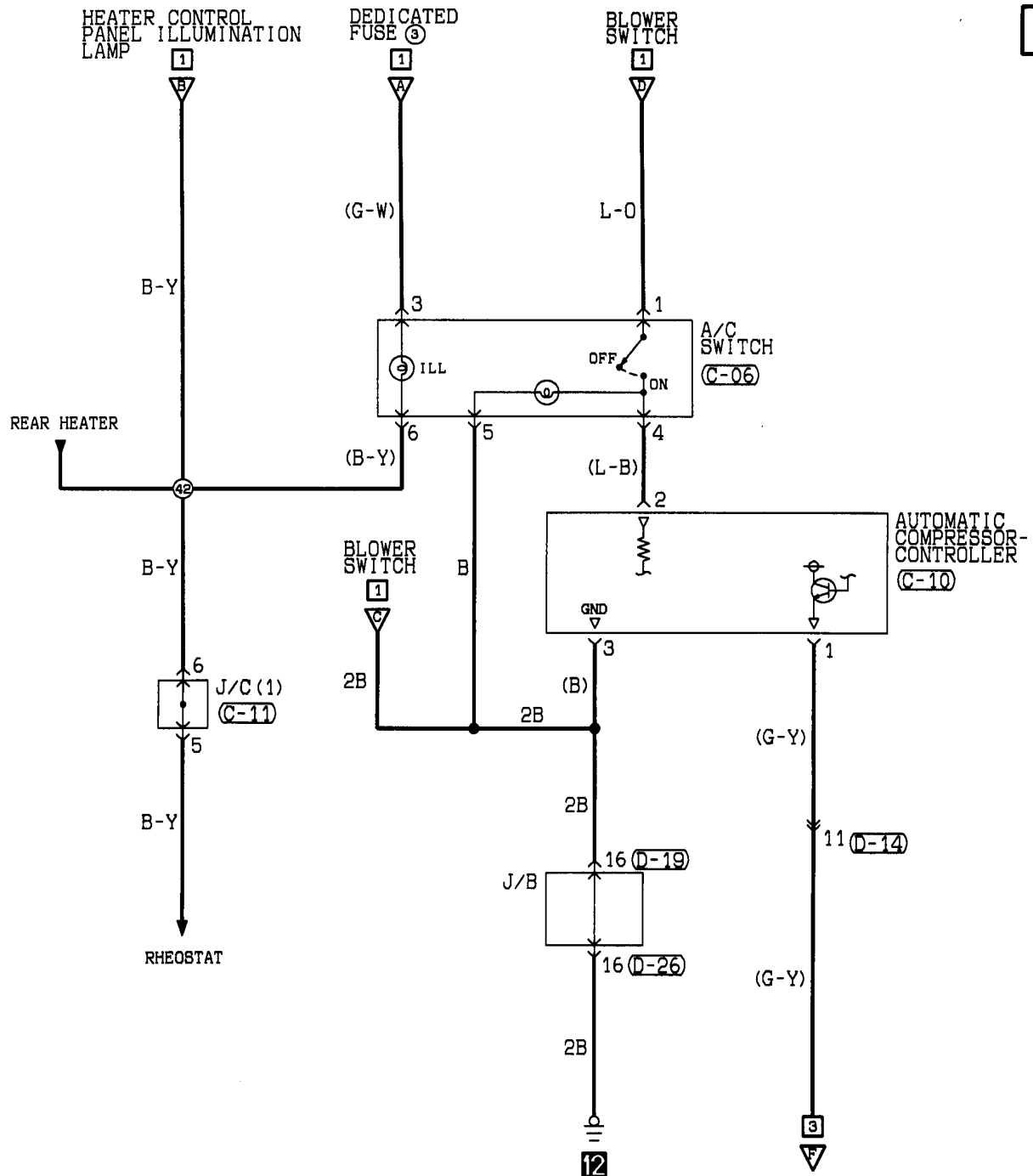
AIR CONDITIONER

90100550807

Diesel-powered vehicles



2



C-47

C-68

D-14

D-19

D-21

D-26

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	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

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

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

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

Wire colour code

B : Black LG : Light green

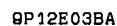
G : Green GR : Gray

L : Blue R : Red

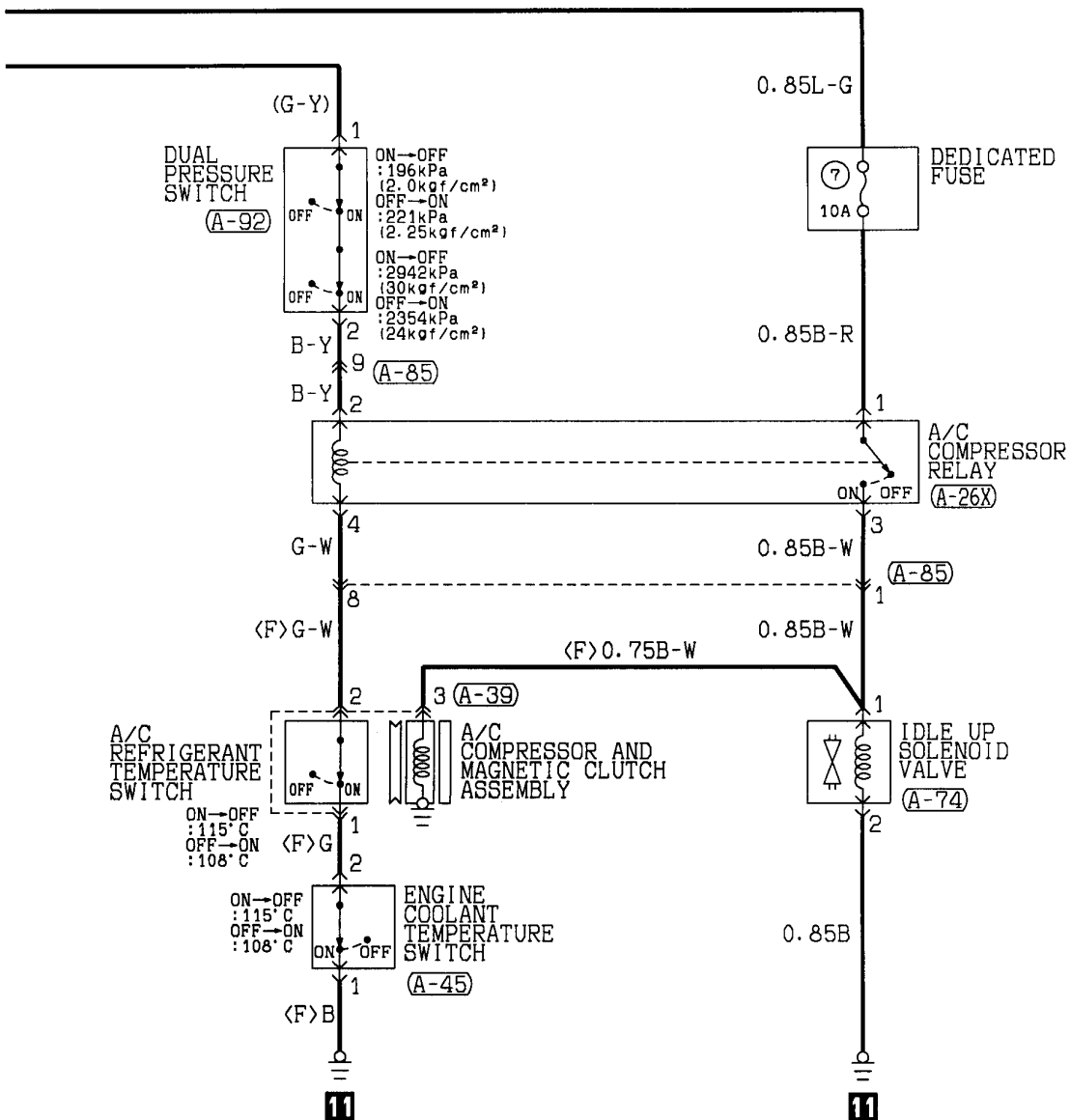
W : White P : Pink

Y : Yellow V : Violet

SB : Sky blue

AIR CONDITIONER <Diesel-powered vehicles> (CONTINUED)

4

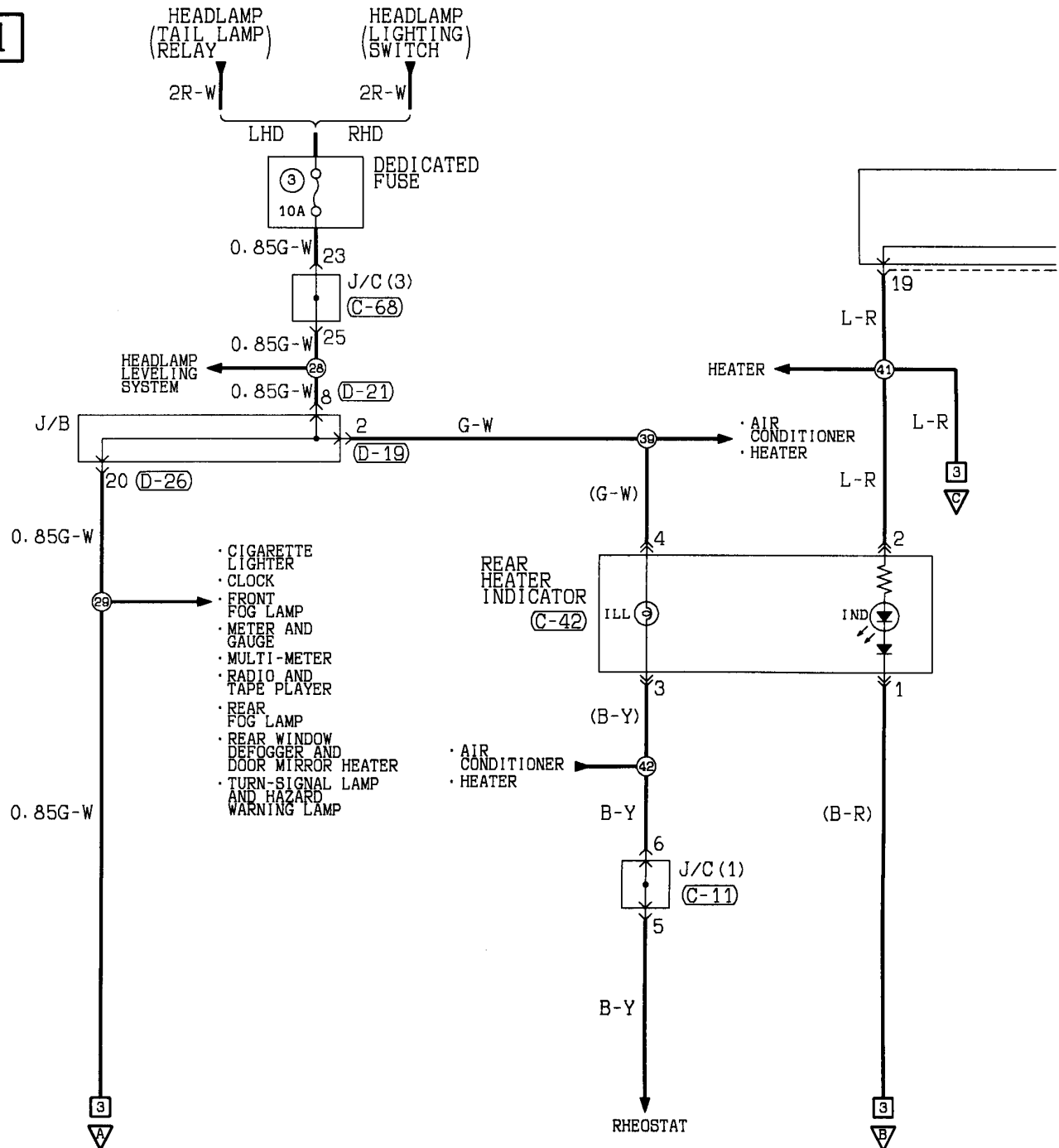


Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

REAR HEATER

90101530051

1



(C-11)

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

(C-37)

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

(C-42)

1	2	3	4

(C-68)

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

(D-15X)

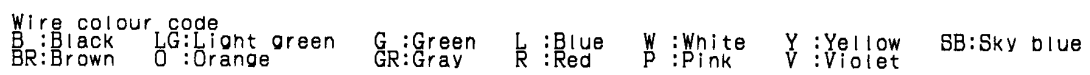
1	2
3	4

(D-19)

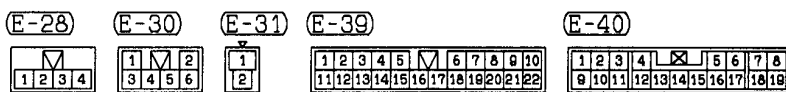
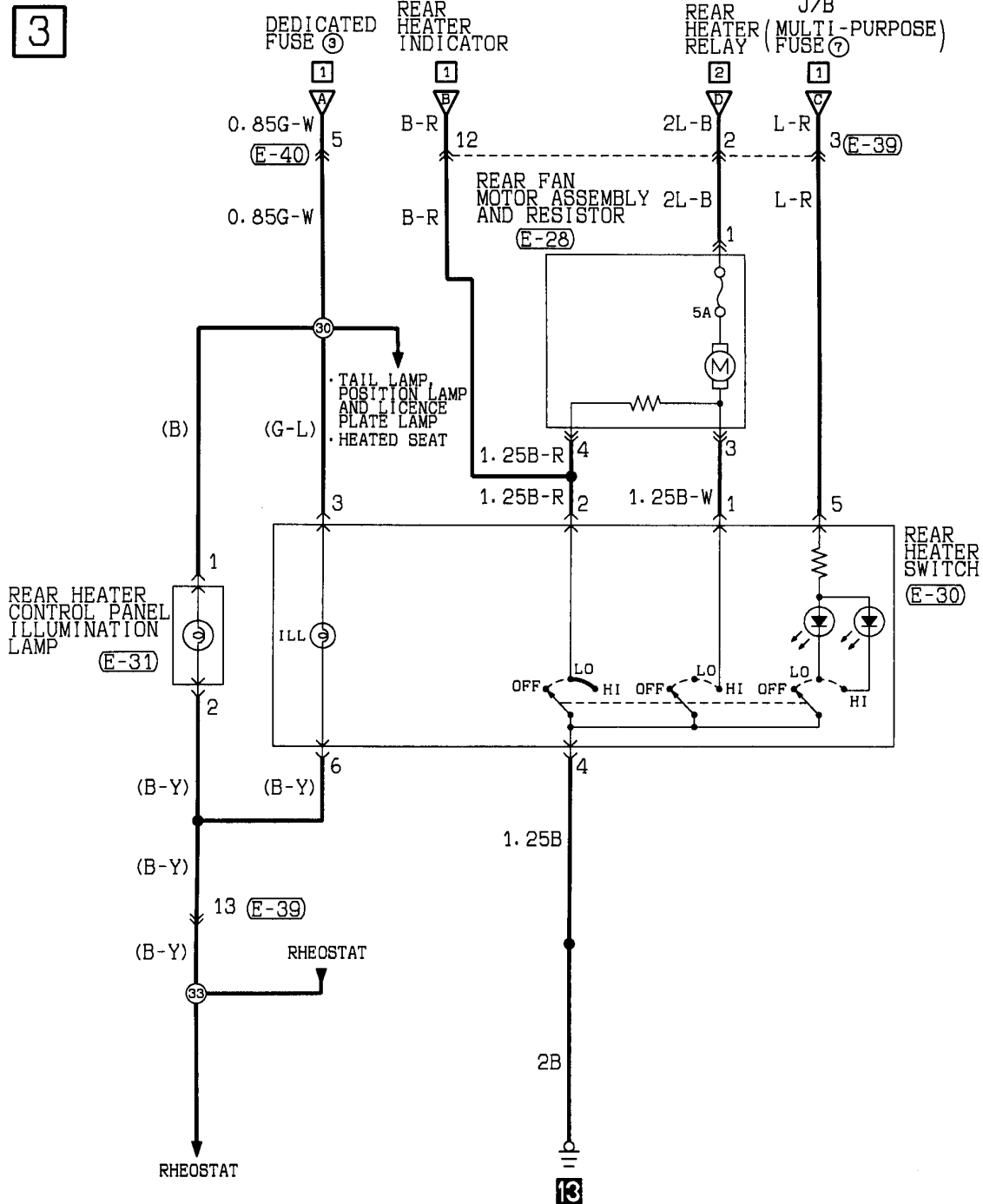
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16					

(D-21)

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



REAR HEATER (CONTINUED)

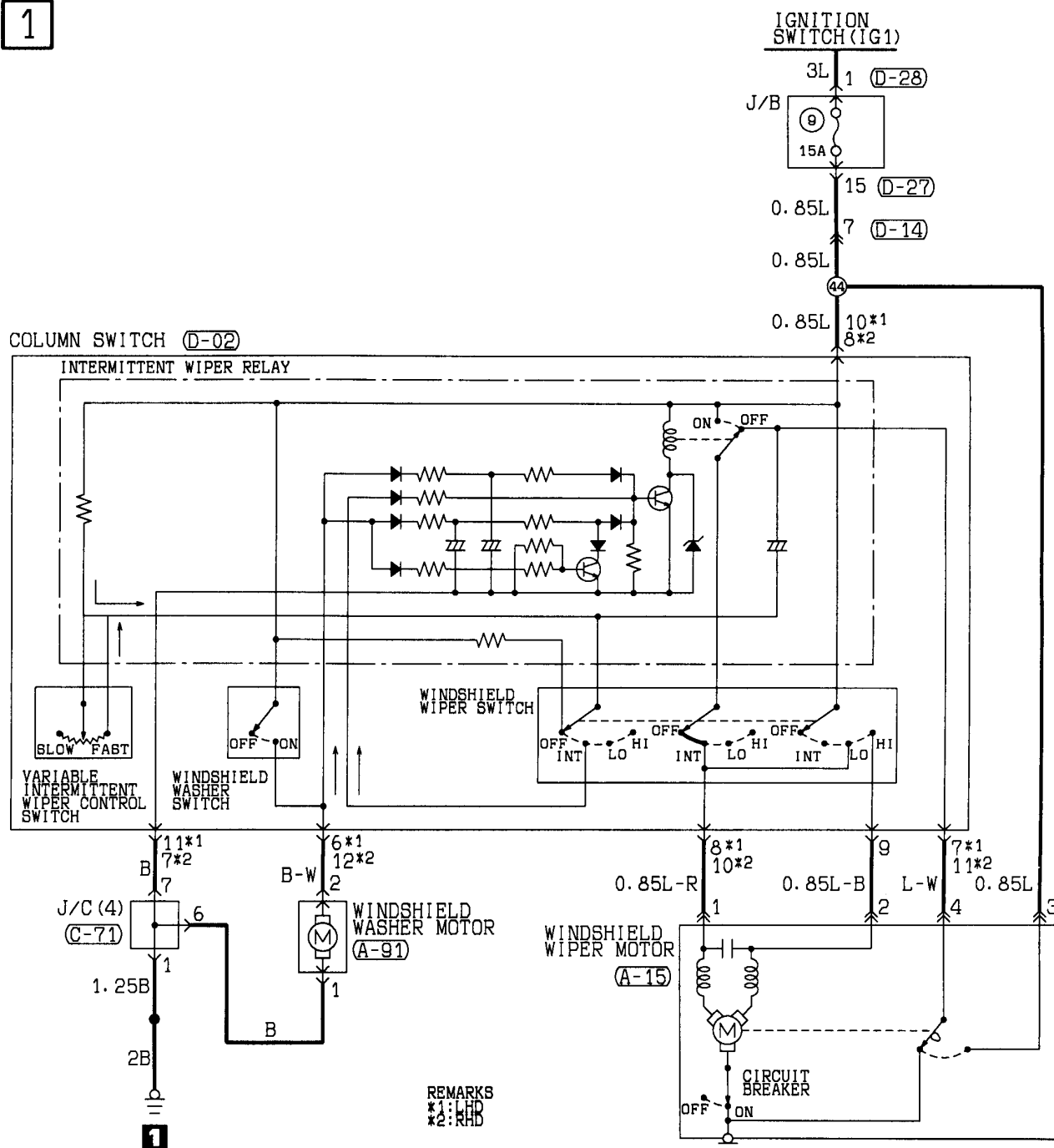


Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

NOTES

90100610664

1



A-15

1	2
3	4

(A-91)

1

2

C-71

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	2	3	4	5
6	7	8	9	10

(D-14)

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

(D-27)

1	2	3	0	4	5	6	7
8	9	10	11	12	13	14	15
16							

(D-28)

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

WINDSHIELD WIPER AND WASHER (See P. 4-130.)

90100610671

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

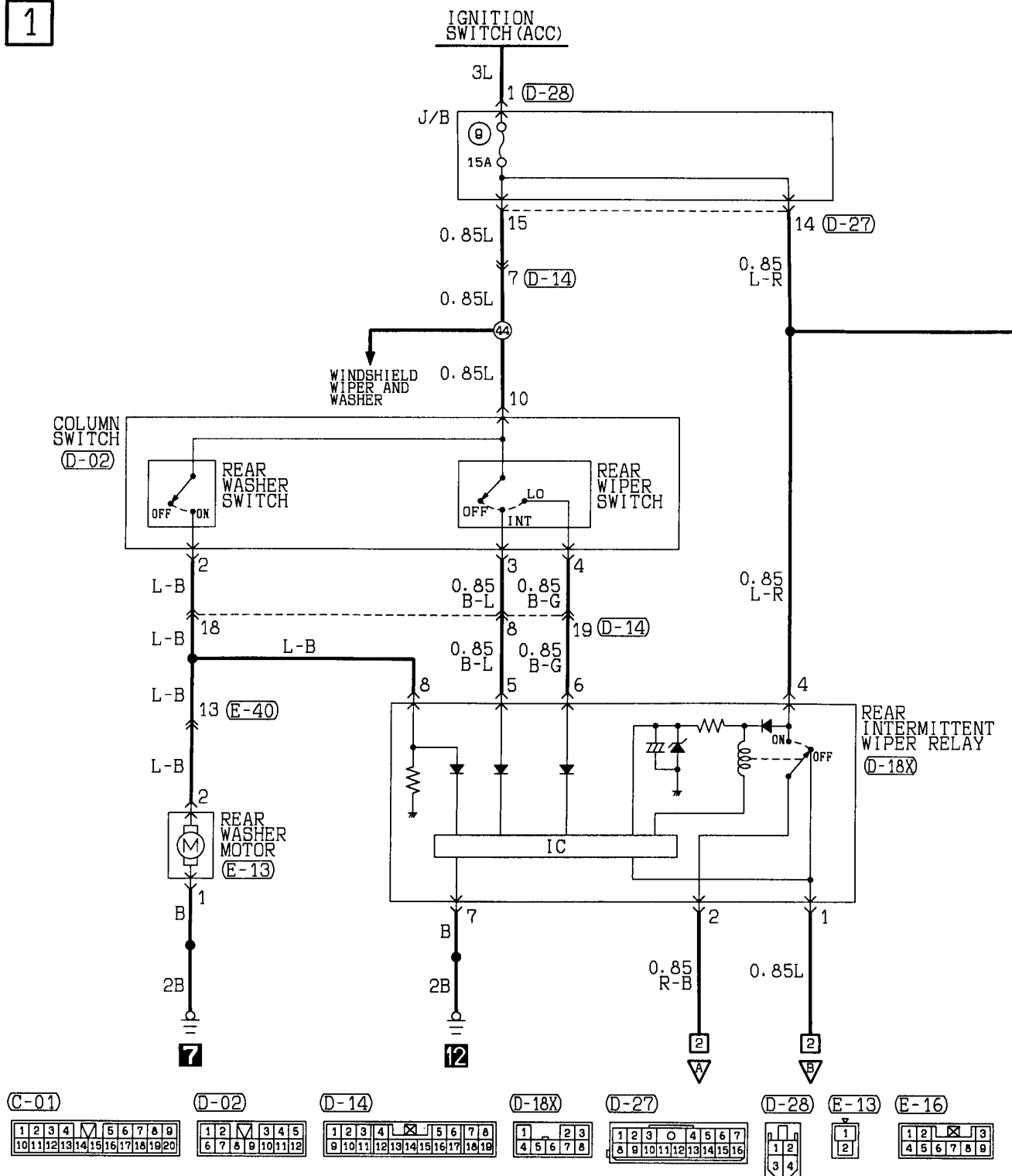
- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. (9).
 - Check earth.
- Low-speed (or high-speed) wiper operation only is inoperative.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- 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 <LHD> 10 <RHD>	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V↔System voltage (alternating)	– (Normal)

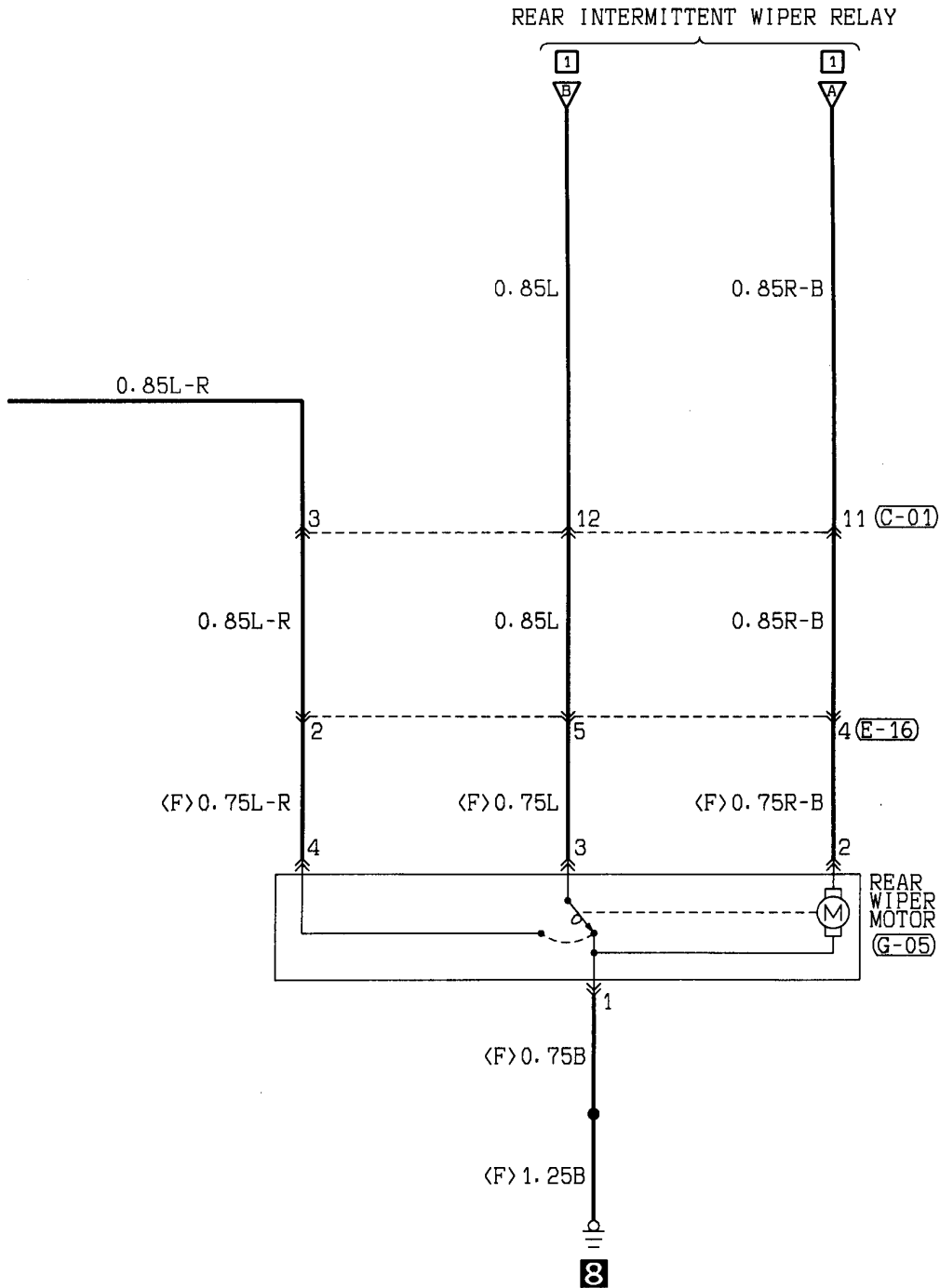
REAR WIPER AND WASHER

90100620537

1



2



(E-40)

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

(G-05)

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

Wire colour code

B:Black LG:Light green

G:Green

L:Blue

W:White

Y:Yellow

SB:Sky blue

BR:Brown O:Orange

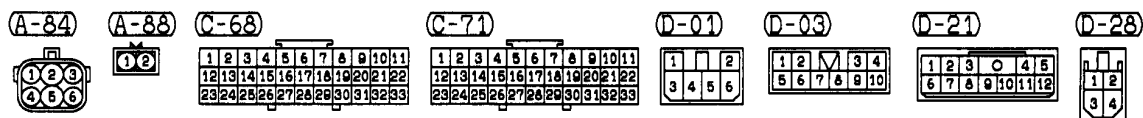
GR:Gray

R:Red

P:Pink

V:Violet

90100630271

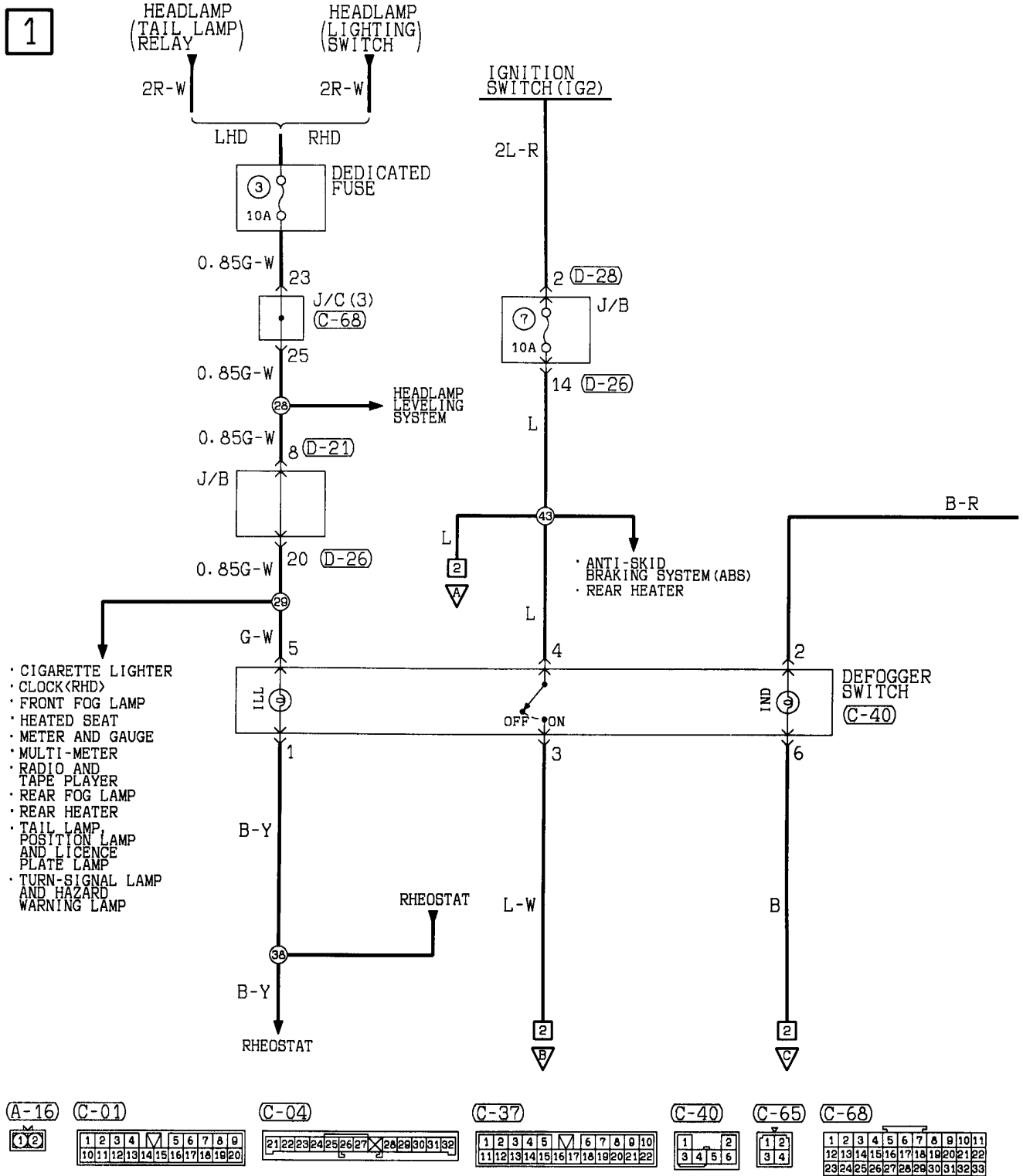


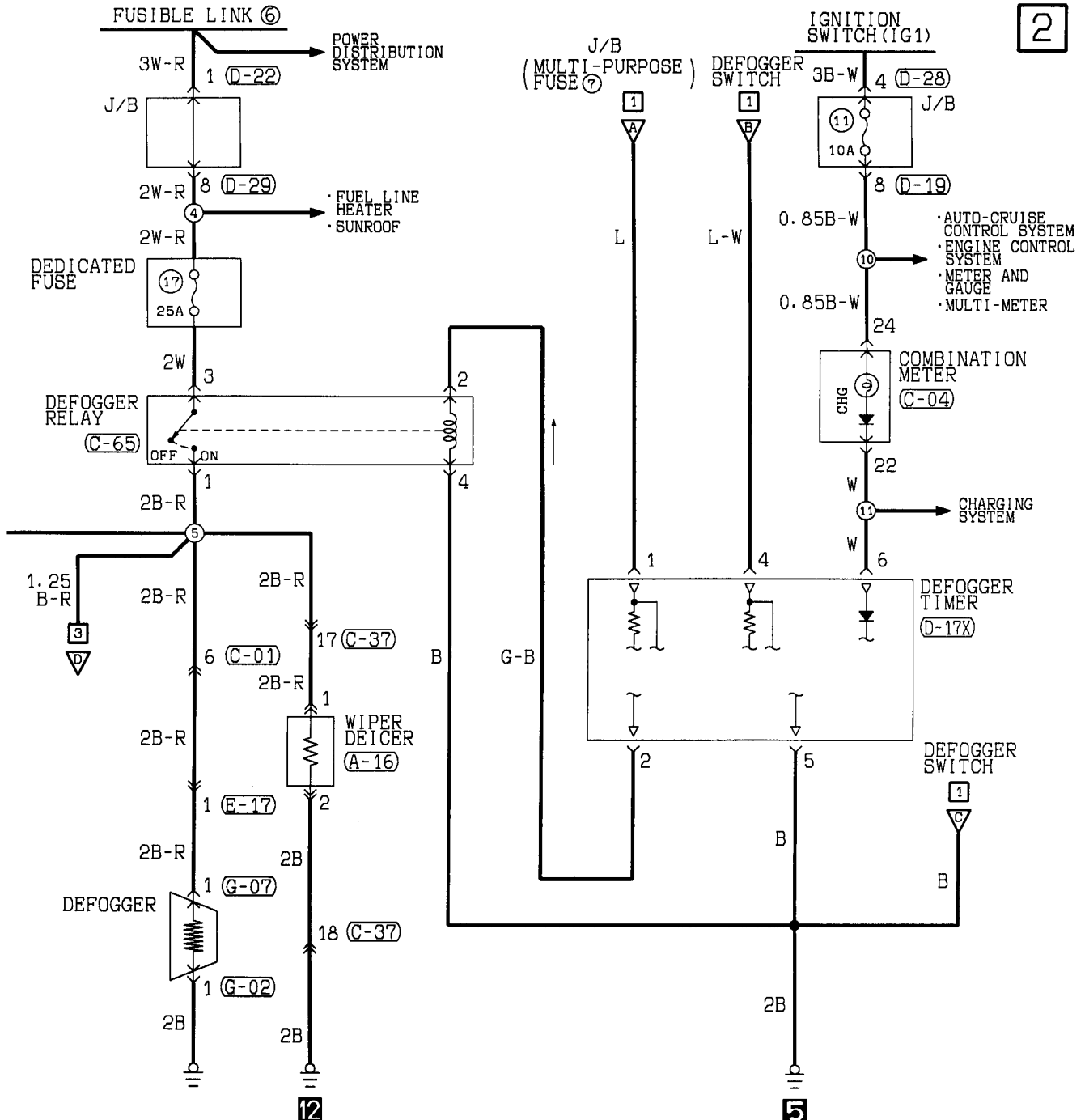
Wire colour code G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : black LG : Light green GR : Gray RL : Red P : Pink V : Violet

NOTES

REAR WINDOW DEFOGGER, DOOR MIRROR HEATER AND WIPER DEICER

90101350275



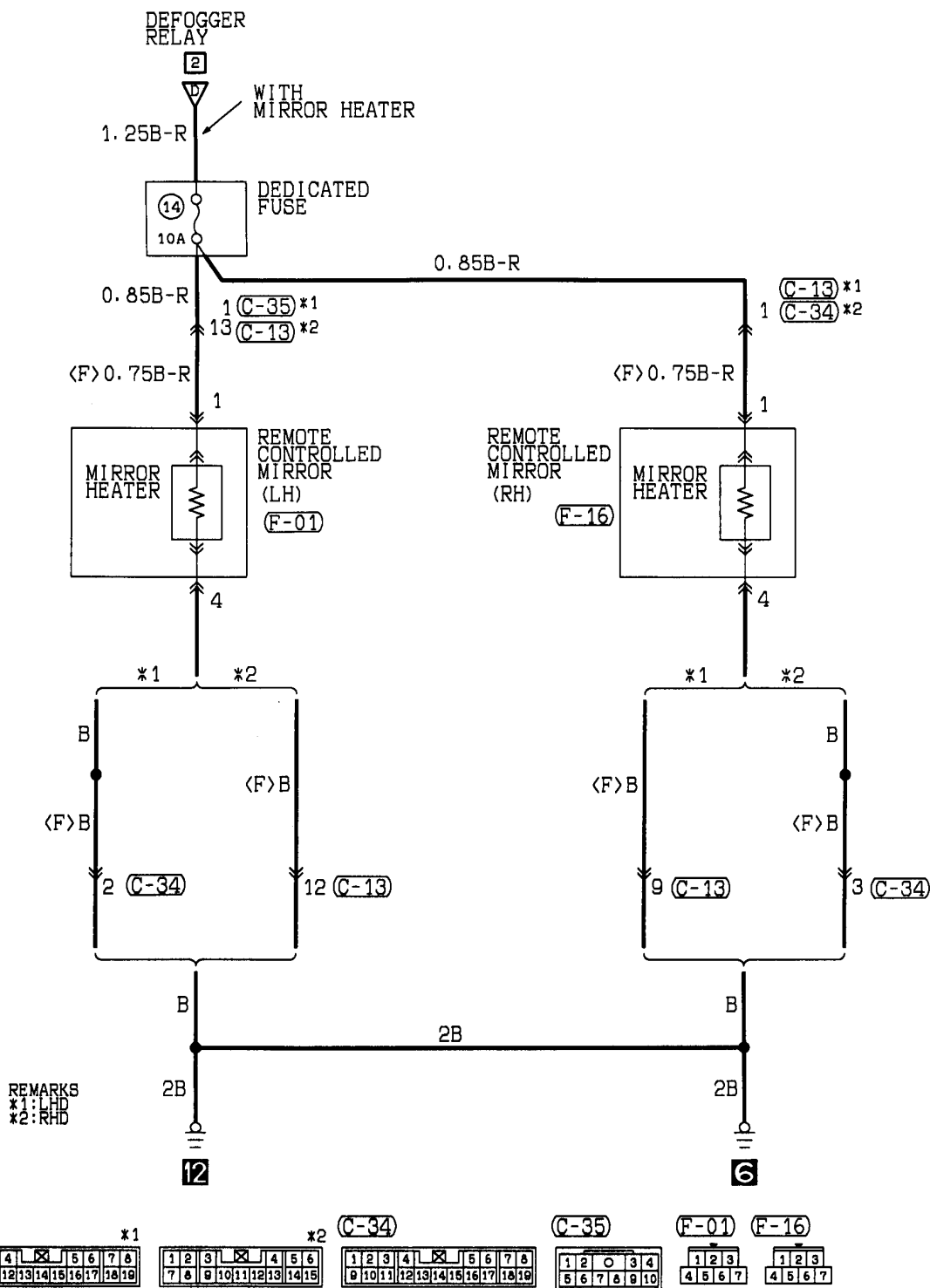


D-17X	D-19	D-21	D-22	D-26	D-28	D-29	E-17	G-02	G-07
1 2 3 4 5 6	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1 2 3 4 5 6 7 8 9 10 11 12	1 2	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4	1 2 3 4 5 6 7 8	1	1	1

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

REAR WINDOW DEFOGGER, DOOR MIRROR HEATER AND WIPER DEICER (CONTINUED)

3



Wire colour code

B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue

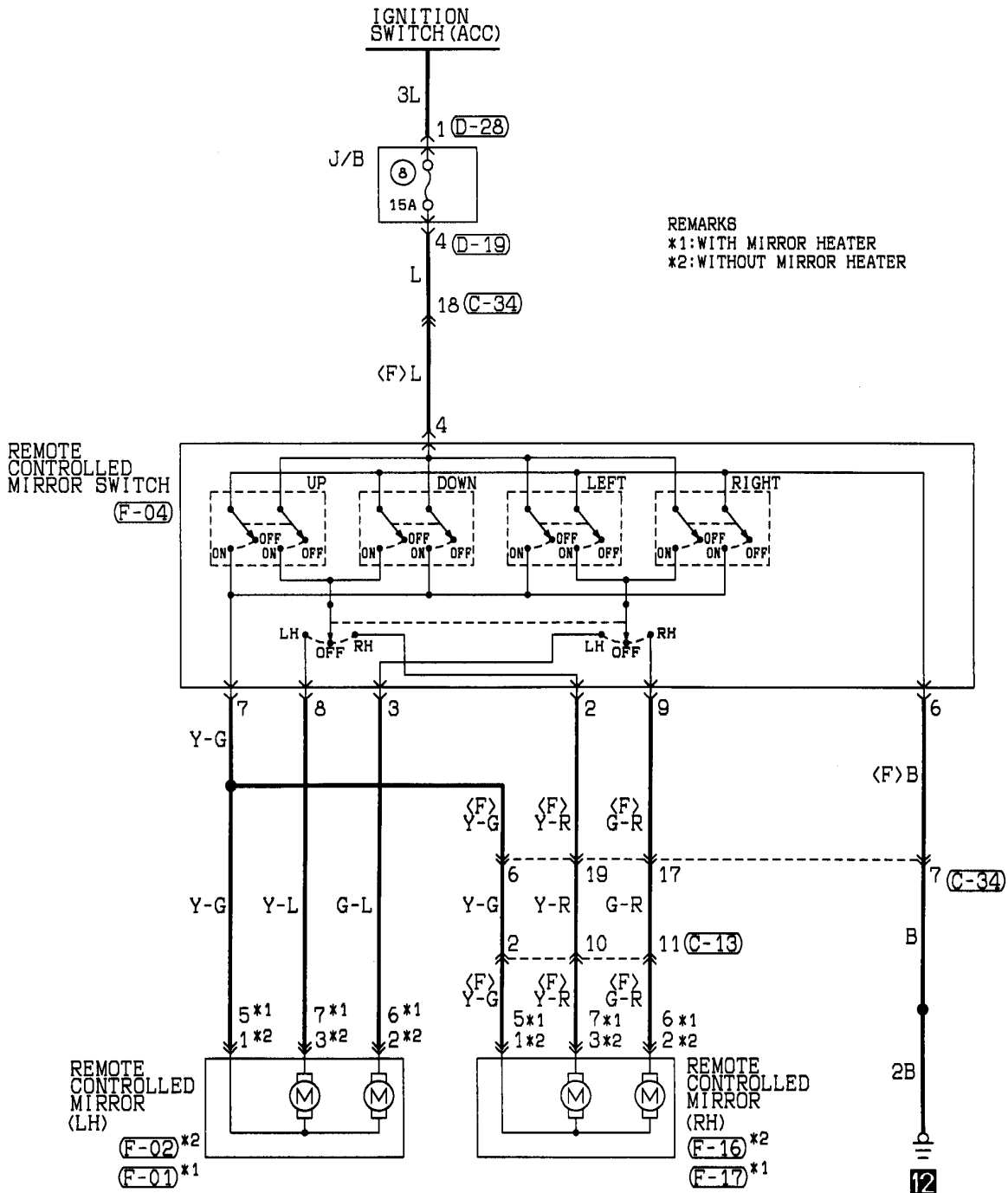
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

REMOTE CONTROLLED MIRROR

90100650574

L.H. drive vehicles

1



(C-13)

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

(C-34)

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

(D-19)

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

(D-28)

1	2
3	4

(F-01)

1	2	3
4	5	6

(F-02)

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

(F-04)

1	2	3	4
5	6	7	8

(F-16)

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

(F-17)

1	2	3
4	5	6

Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

R : Red

P : Pink

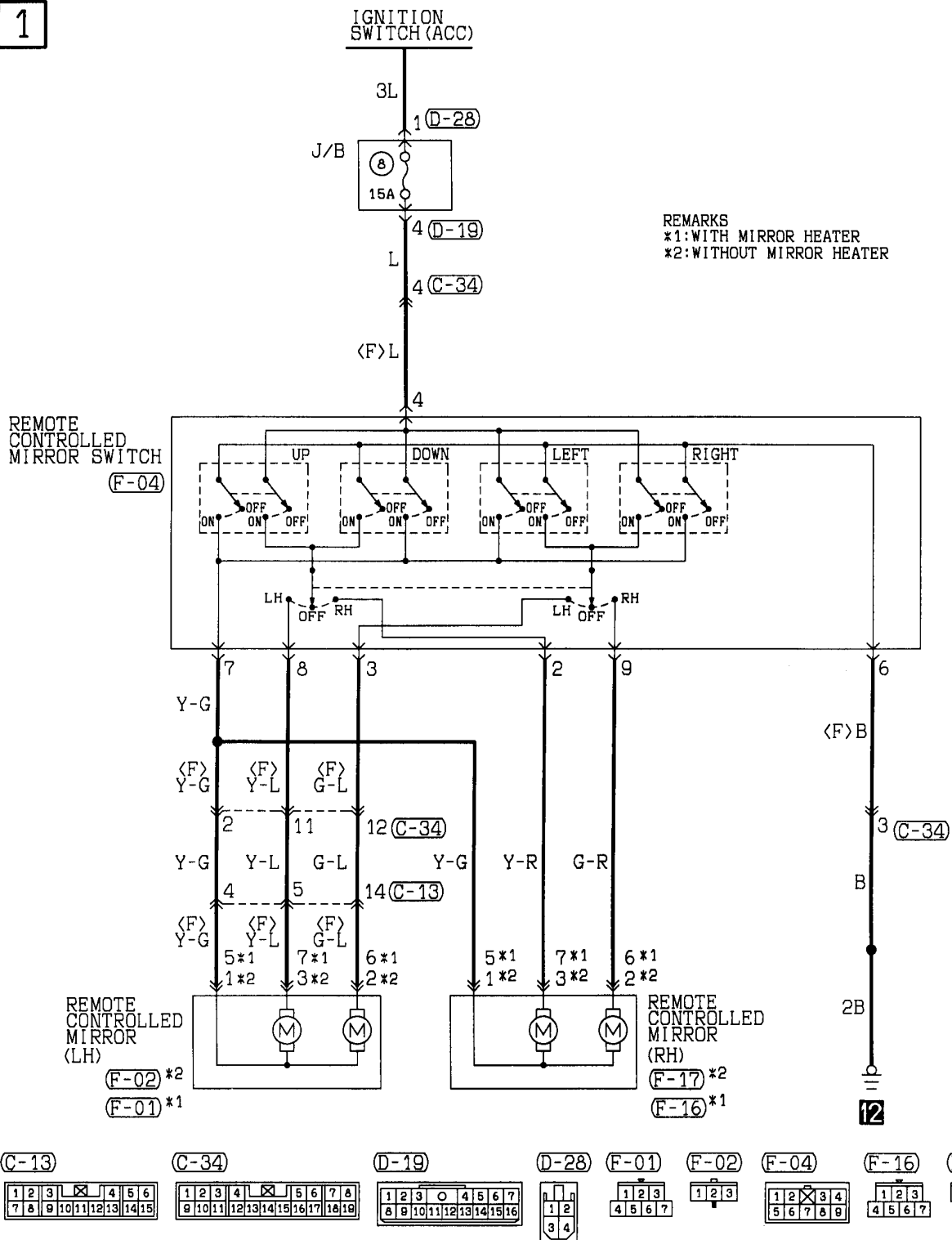
V : Violet

REMOTE CONTROLLED MIRROR

90100650581

R.H. drive vehicles

1



Wire colour code

B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue

BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

REMOTE CONTROLLED MIRROR (See P. 4-139, 140.)

90100650598

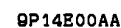
OPERATION

- When the remote controlled mirror switch is operated with the ignition switch in ACC or ON position, the motor is started allowing the driver to adjust the orientation of the mirror surface.

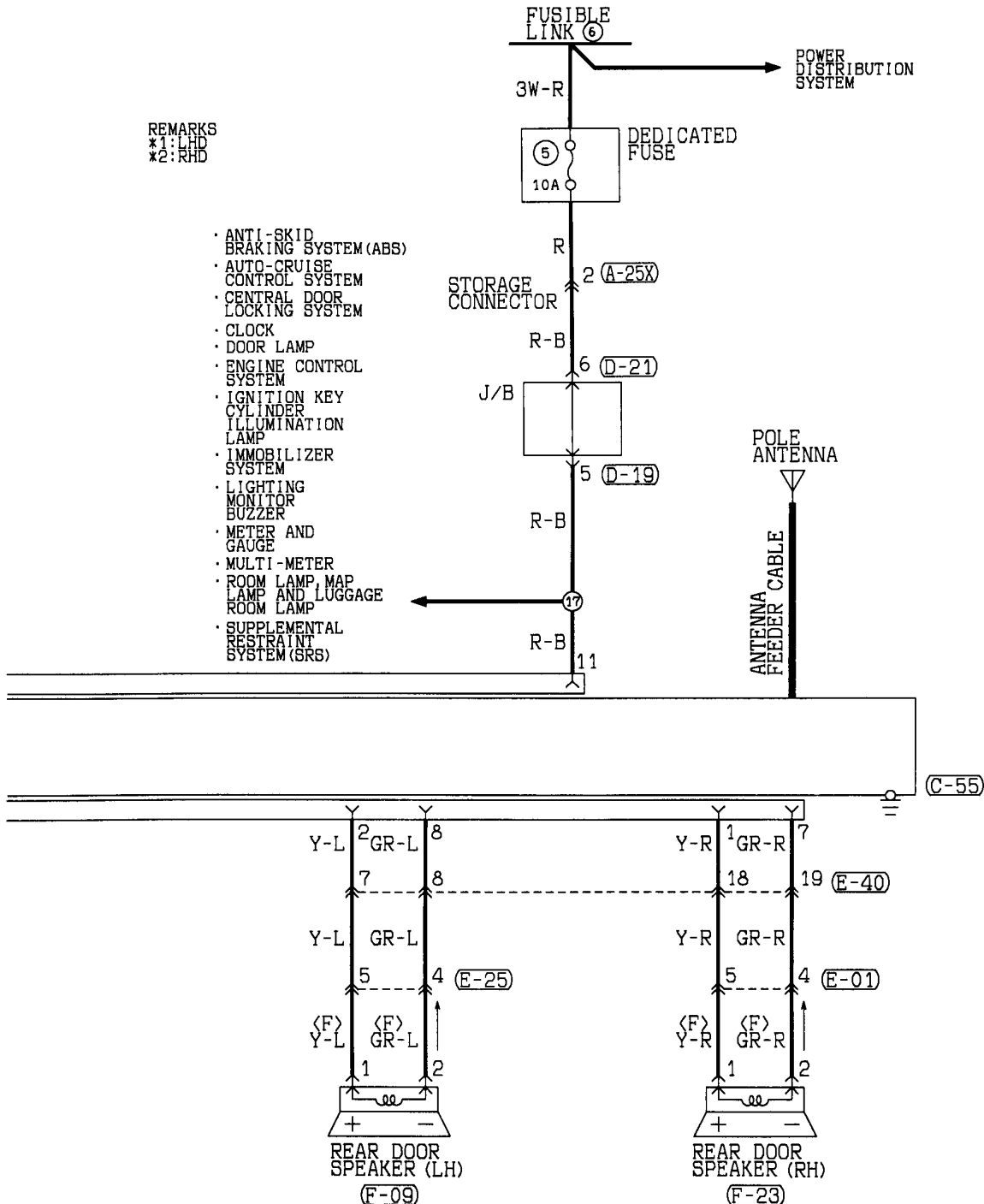
TROUBLESHOOTING HINTS

1. LH and RH mirrors do not move.
 - (1) Cigarette lighter is also inoperative.
 - Check multi-purpose fuse No. (8).
 - (2) Cigarette lighter is operative.
 - Check remote controlled mirror switch.

90100721214



2



(C-68)

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

(D-19)

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

(D-21)

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

(D-26)

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

(D-28)

1	2
3	4

(E-01)

1	2	3	4	5
---	---	---	---	---

(E-25)

1	2	3	4	5
---	---	---	---	---

Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

R : Red

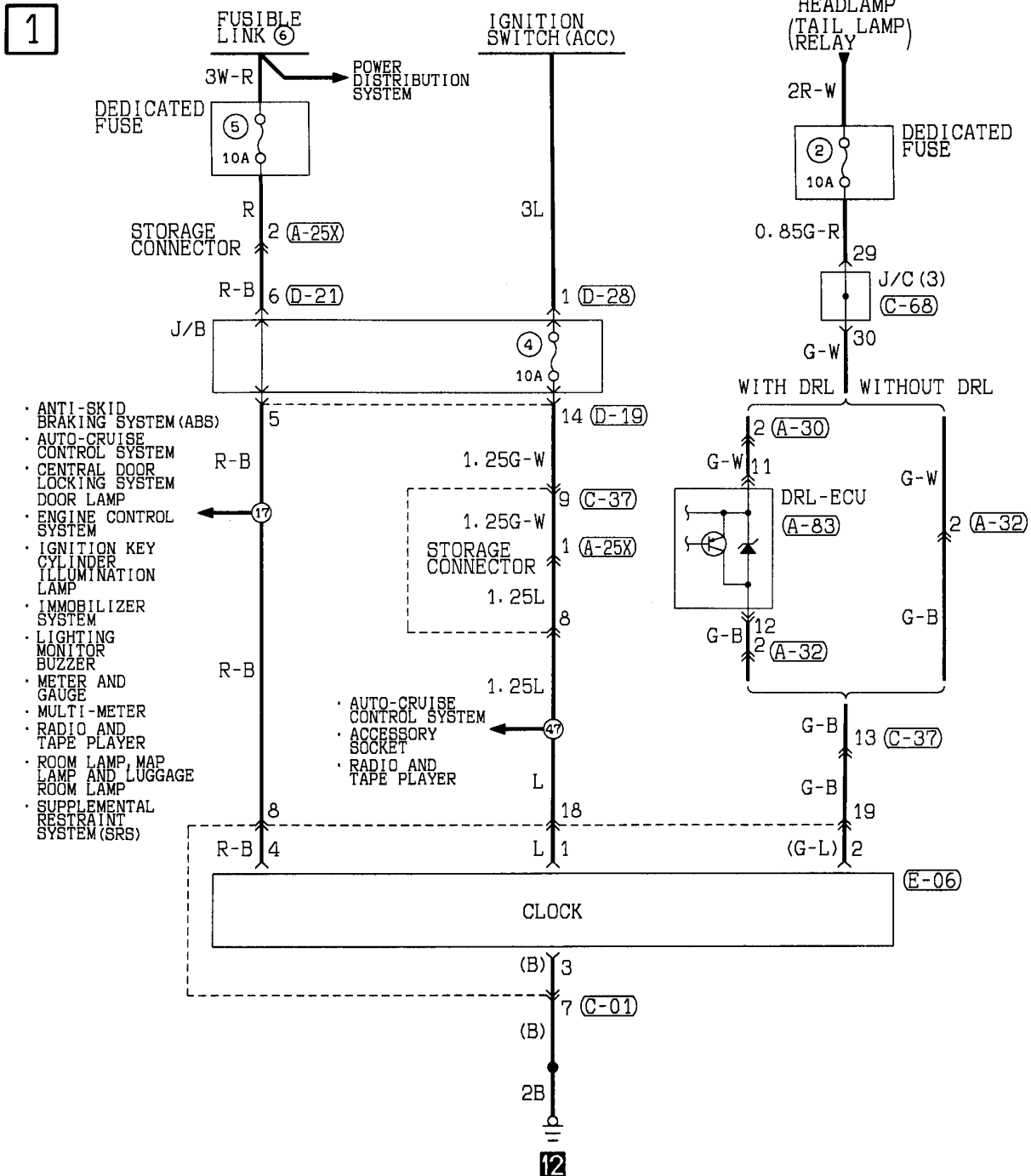
P : Pink

V : Violet

CLOCK

90100770416

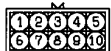
L.H. drive vehicles



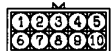
(A-25X)



(A-30)



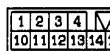
(A-32)



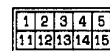
(A-83)



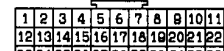
(C-01)



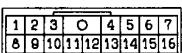
(C-37)



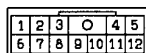
(C-68)



(D-19)



(D-21)



(D-28)



(E-06)



Wire colour code
 B:Black LG:Light green
 BR:Brown O:Orange
 W:White SB:Sky blue
 V:Violet

G:Green
 GR:Gray
 P:Pink
 L:Blue
 R:Red
 Y:Yellow

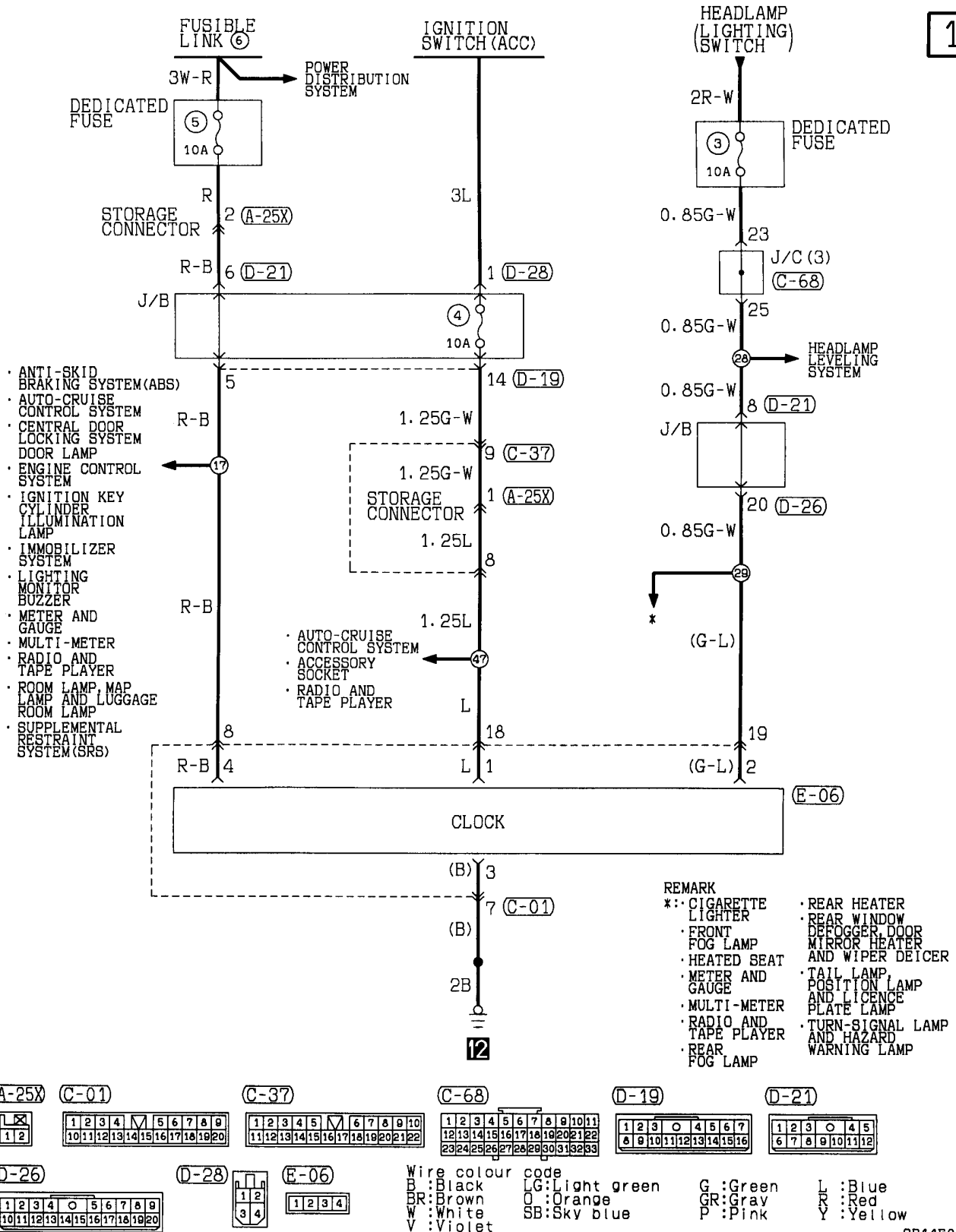
9P14E01AA

CLOCK

90100770423

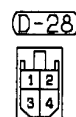
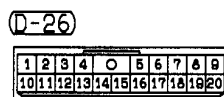
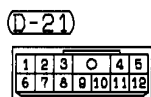
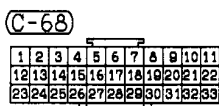
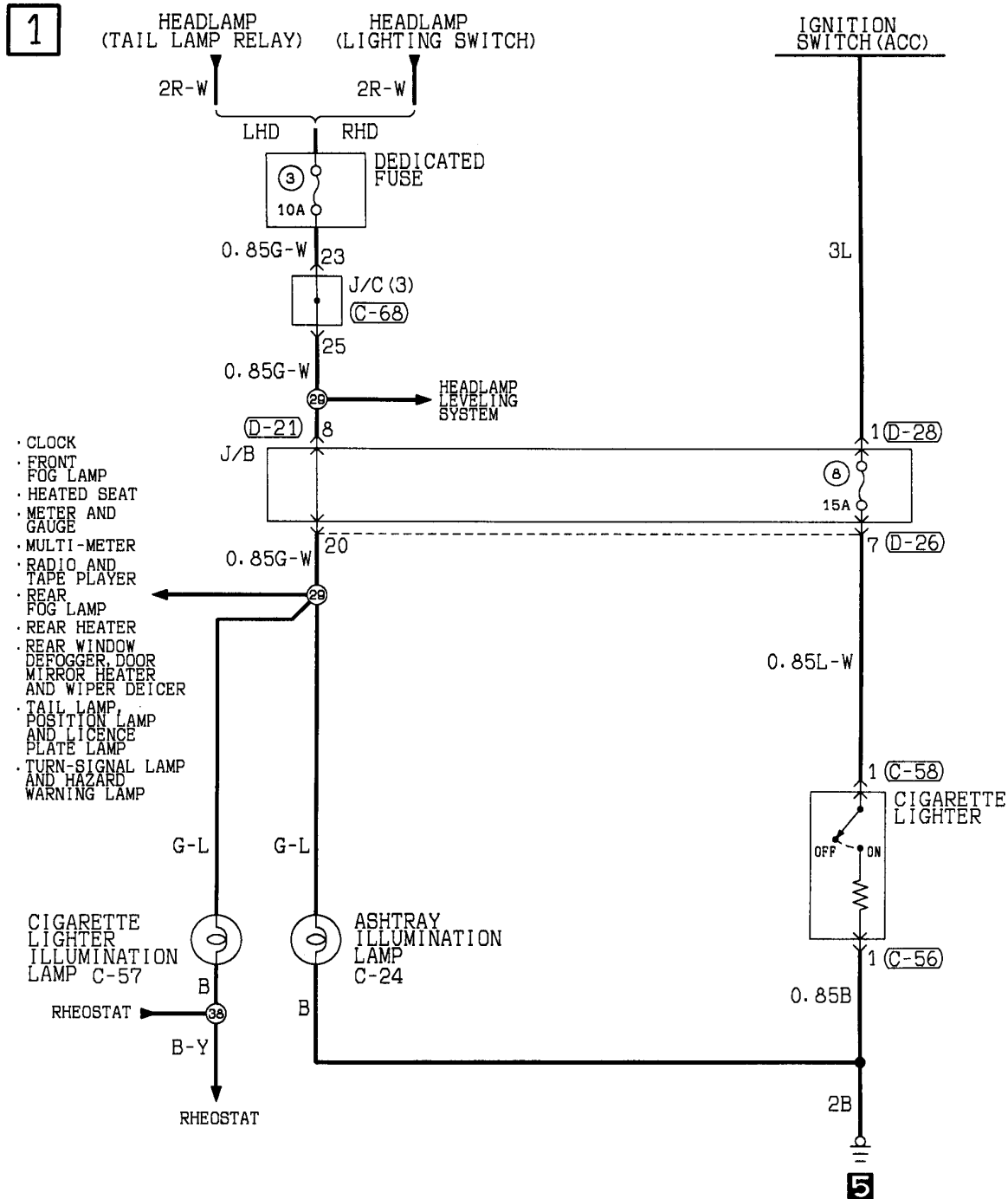
R.H. drive vehicles

1



CIGARETTE LIGHTER

90100780518



Wire colour code

B : Black LG : Light green

G : Green GR : Gray

L : Blue R : Red

W : White P : Pink

Y : Yellow V : Violet

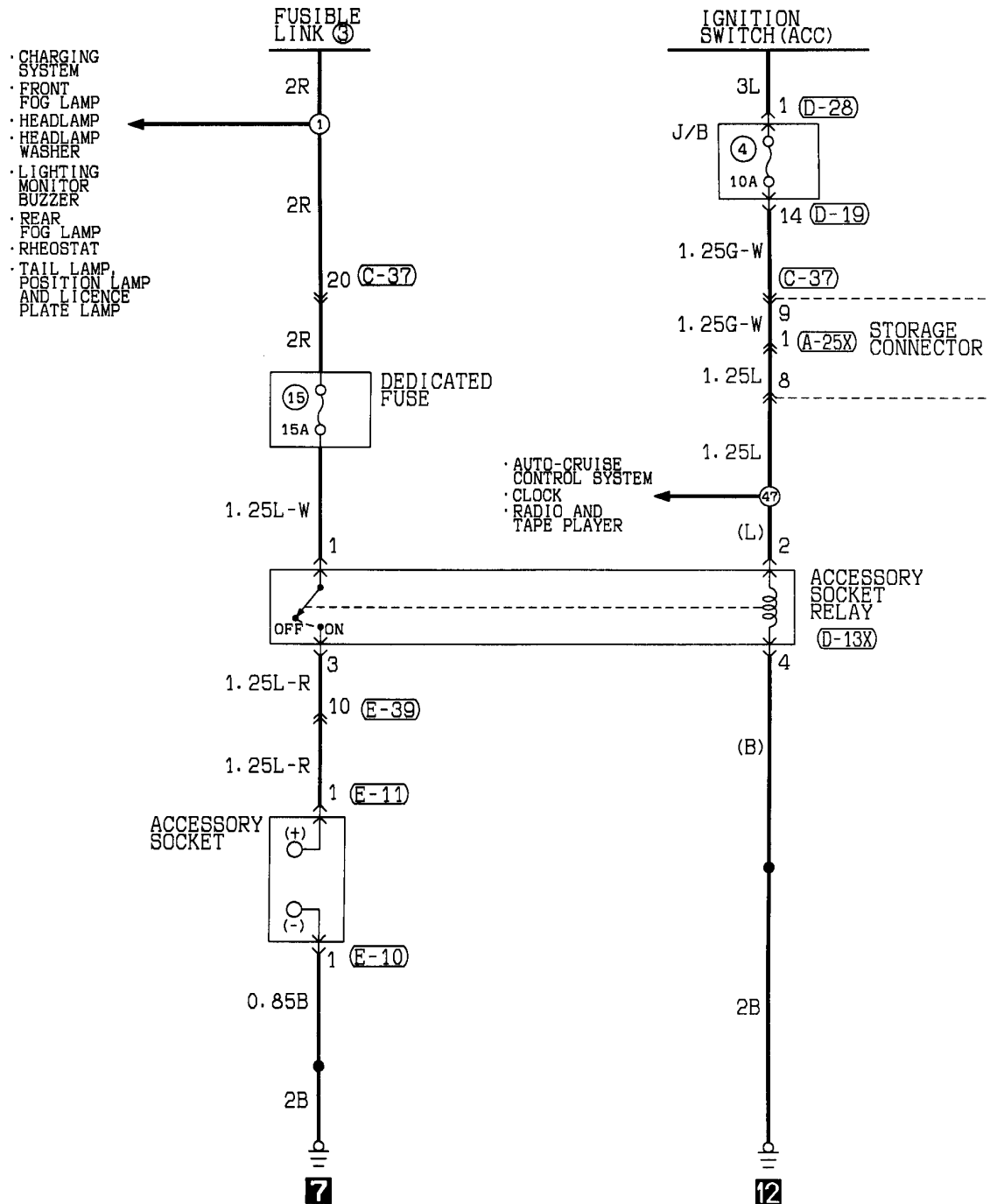
SB : Sky blue

9P14E03AA

ACCESSORY SOCKET

90100790122

1



(A-25X)

(C-37)

(D-13X)

(D-19)

(D-28)

(E-10)

(E-11)

(E-39)

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	3	4
5	6	7	8

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

1	2	3	4
5	6	7	8

1	2	3	4
5	6	7	8

1	2	3	4
5	6	7	8

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

Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

R : Red

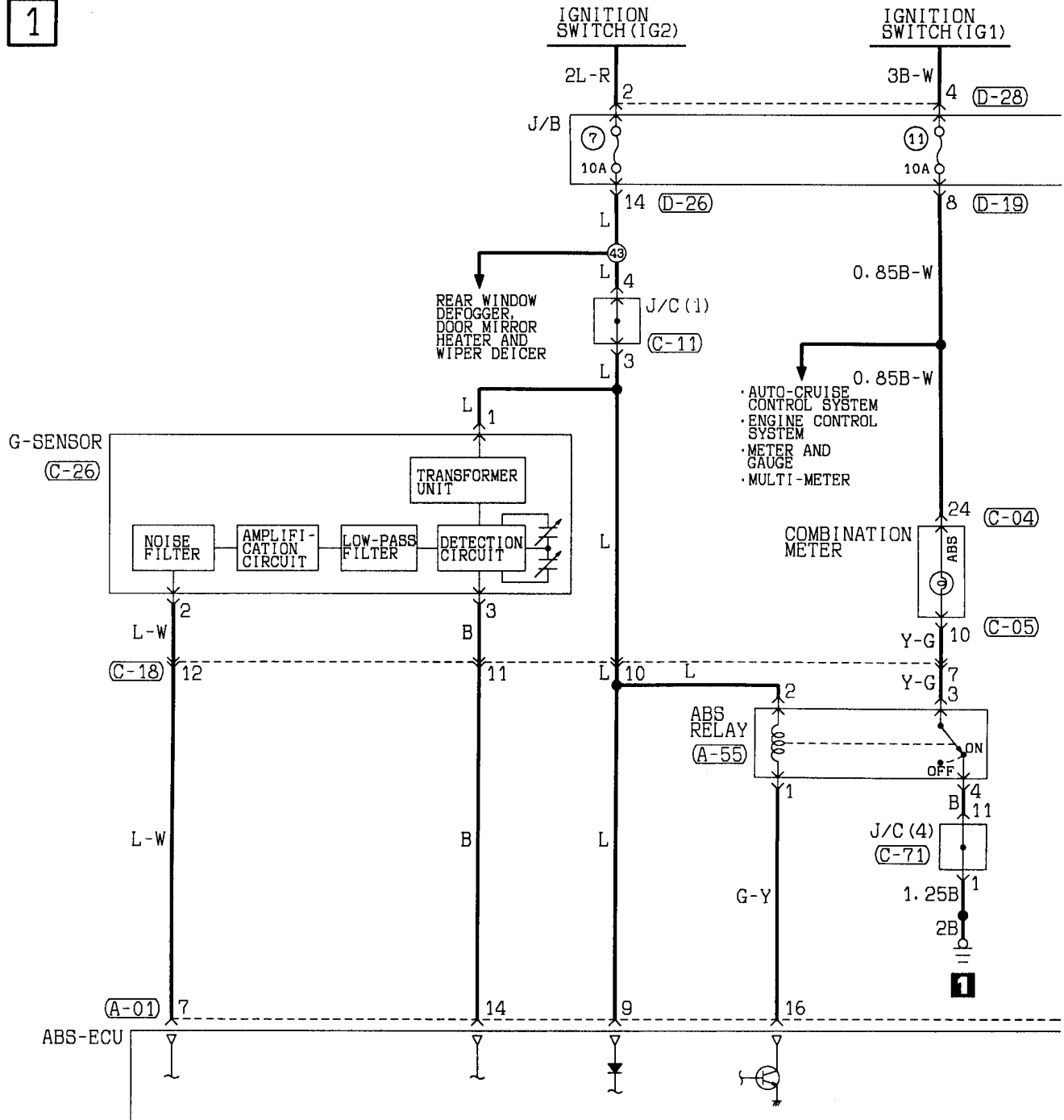
P : Pink

V : Violet

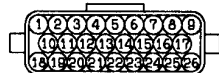
ANTI-SKID BRAKING SYSTEM (ABS)

90100840919

1



A-01



A-02



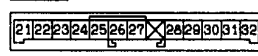
A-25X



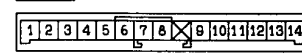
A-55



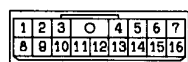
C-04



C-05



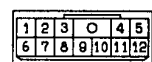
D-19



C-71



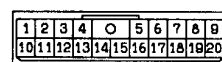
D-21



D-22



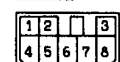
D-26



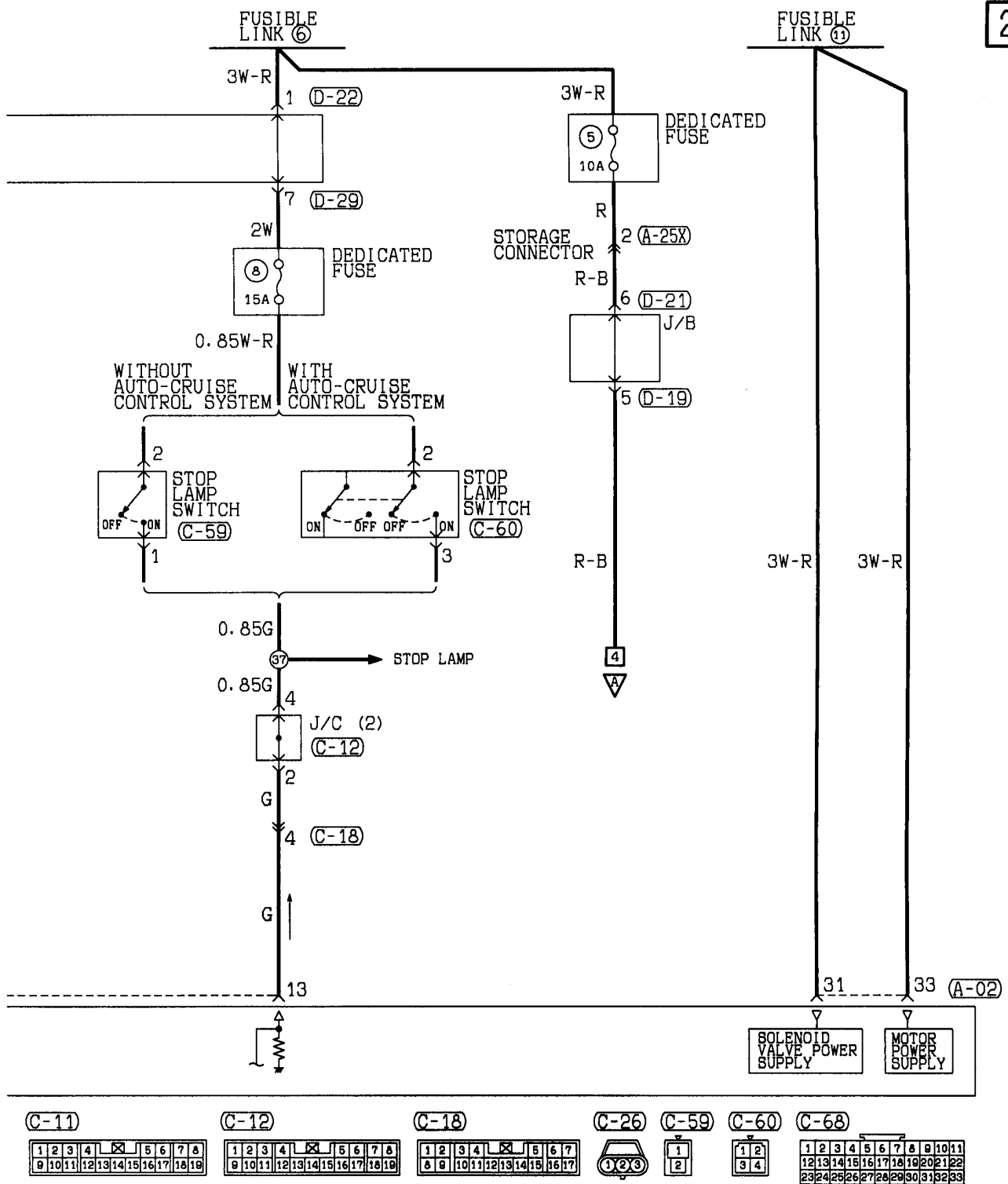
D-28



D-29



9P15E03AA



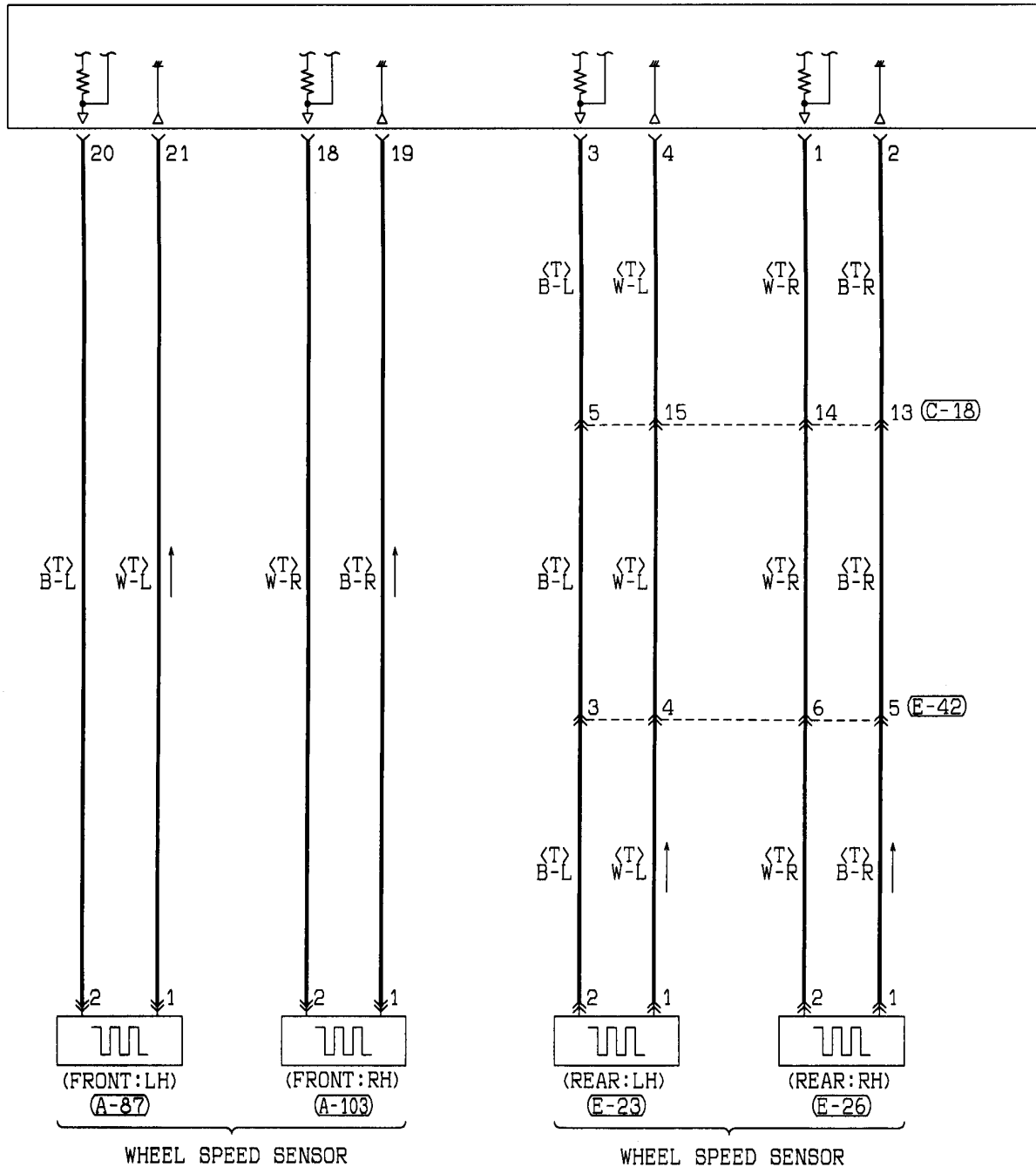
Wire colour code

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

ANTI-SKID BRAKING SYSTEM (CONTINUED)

3

ABS-ECU (A-01)



(A-01)



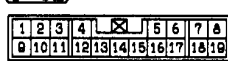
(A-87)



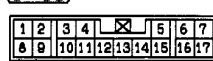
(A-103)



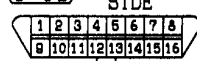
(C-12)



(C-18)



(C-63)

FRONT
SIDE

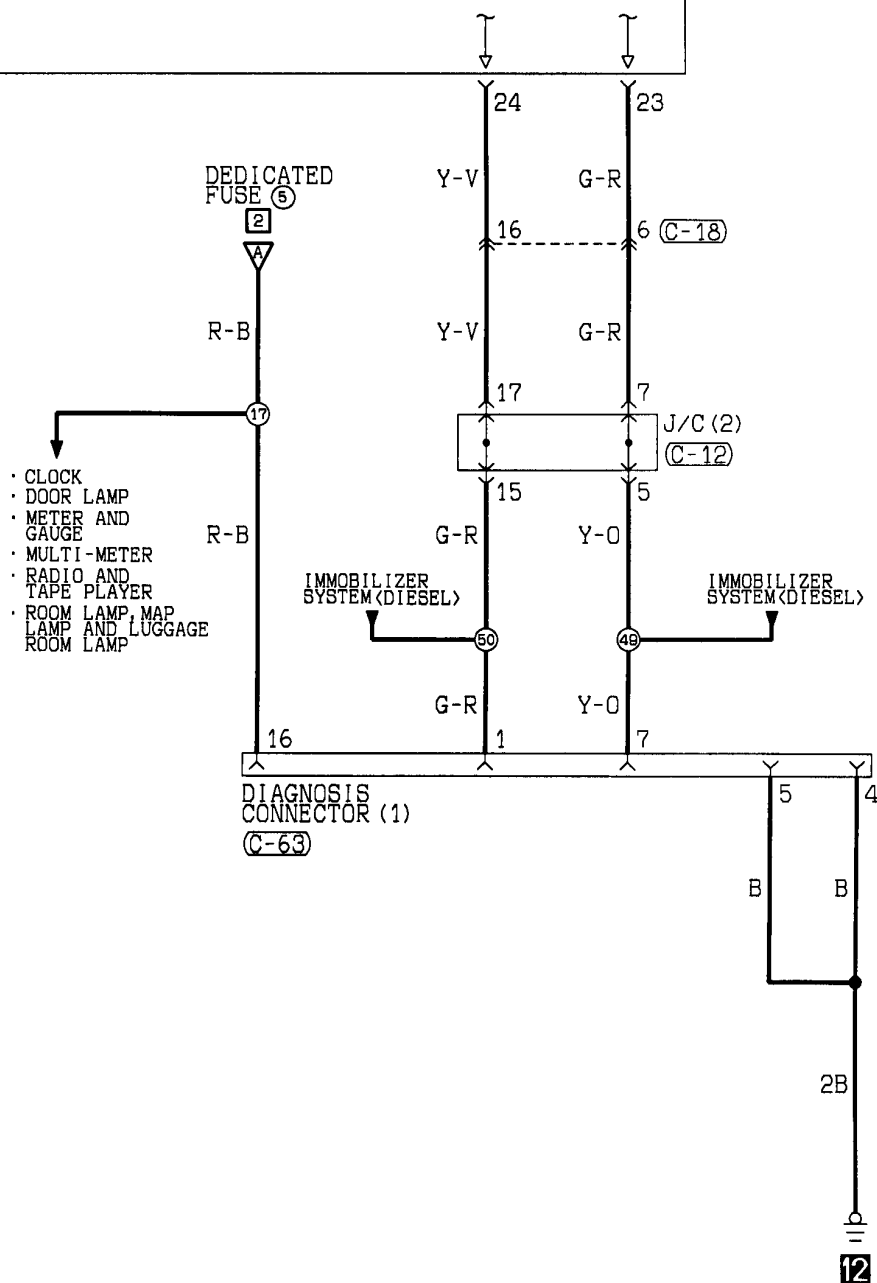
(E-23)



(E-26)



4



E-42

1	0	2
3	4	5
6		

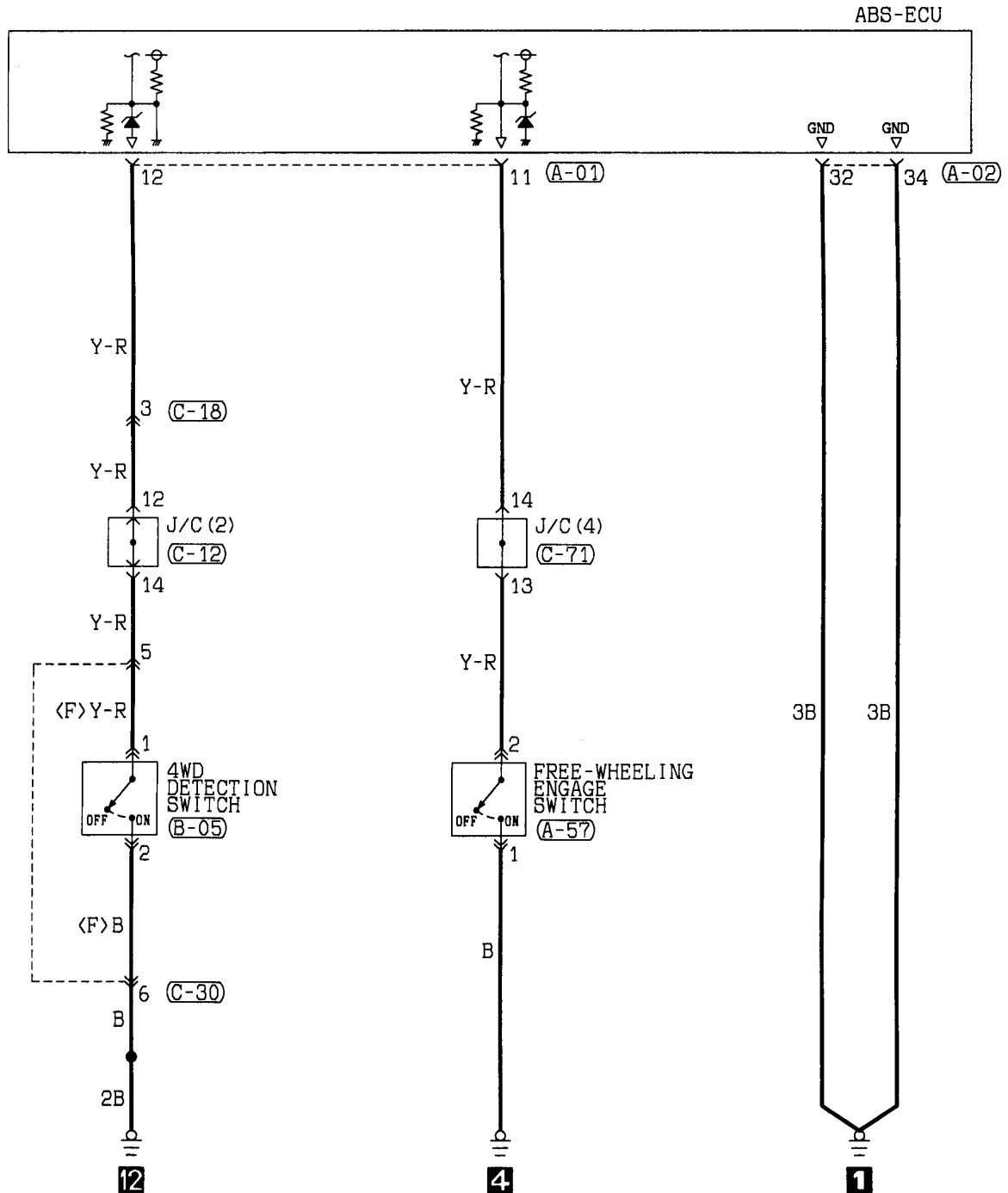
Wire color code

B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue

BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

ANTI-SKID BRAKING SYSTEM (CONTINUED)

5



(A-01)



(A-02)



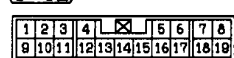
(A-57)



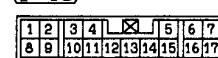
(B-05)



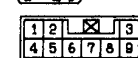
(C-12)



(C-18)



(C-30)



(C-71)

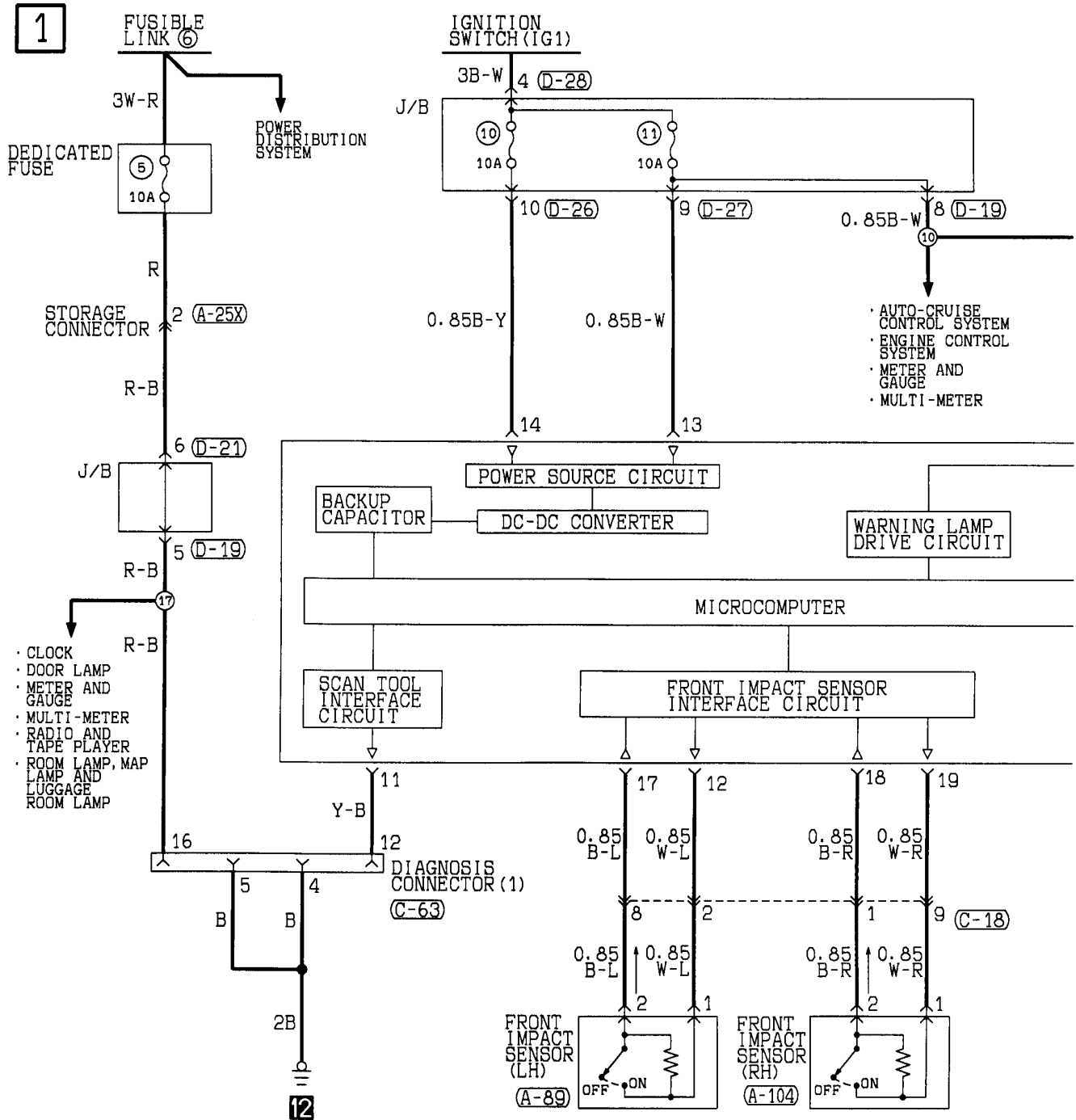


Wire colour code
 B:Black LG:Light green G:Green L:Blue
 BR:Brown O:Orange GR:Gray R:Red
 W:White SB:Sky blue P:Pink Y:Yellow
 V:Violet

NOTES

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

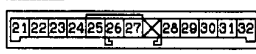
90100970670



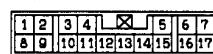
(A-25X) (A-89) (A-104) (C-03)



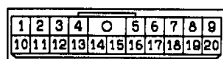
(C-04)



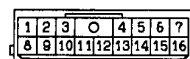
(C-18)



(D-26)



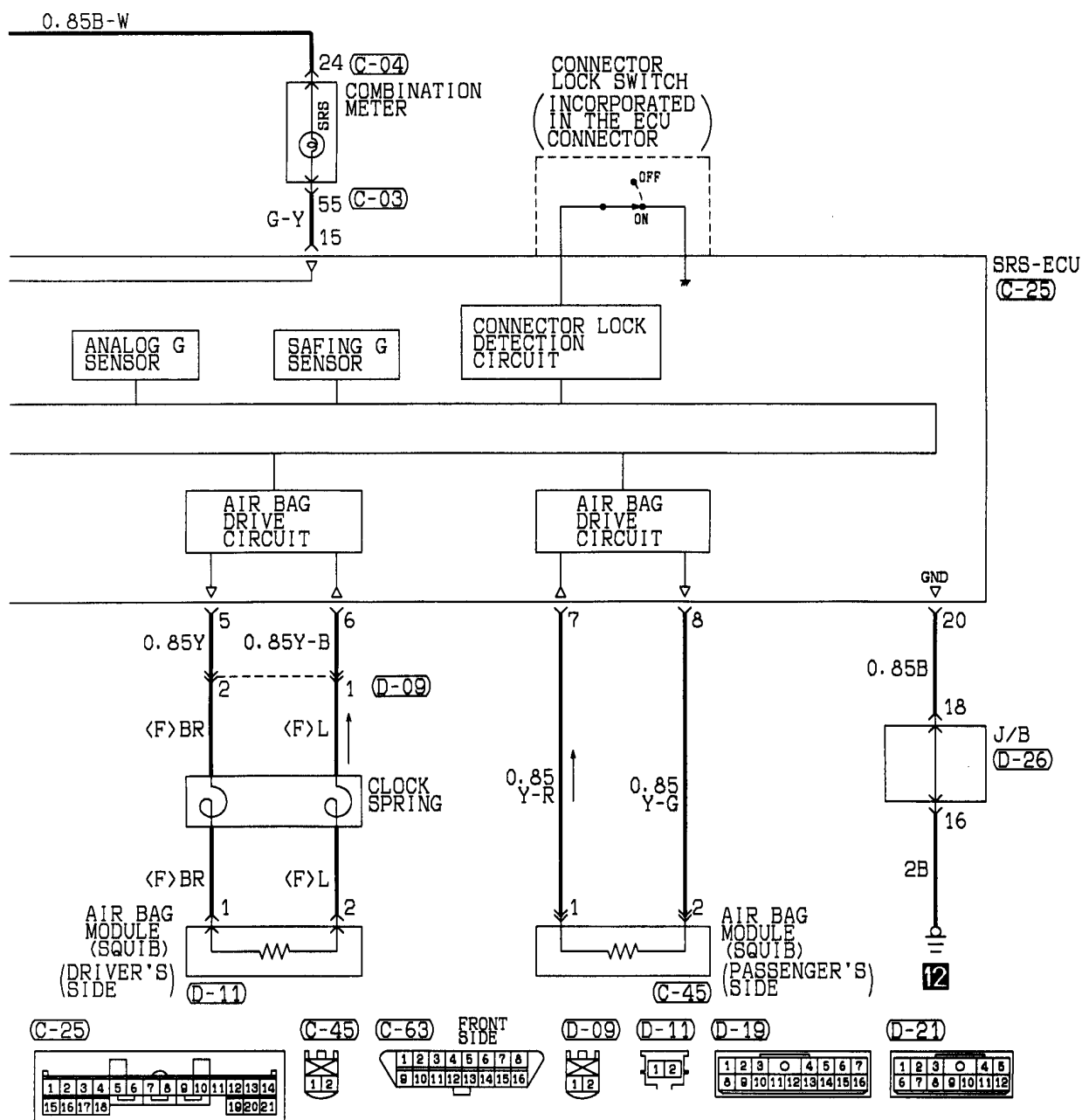
(D-27)



(D-28)



2



Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

R : Red

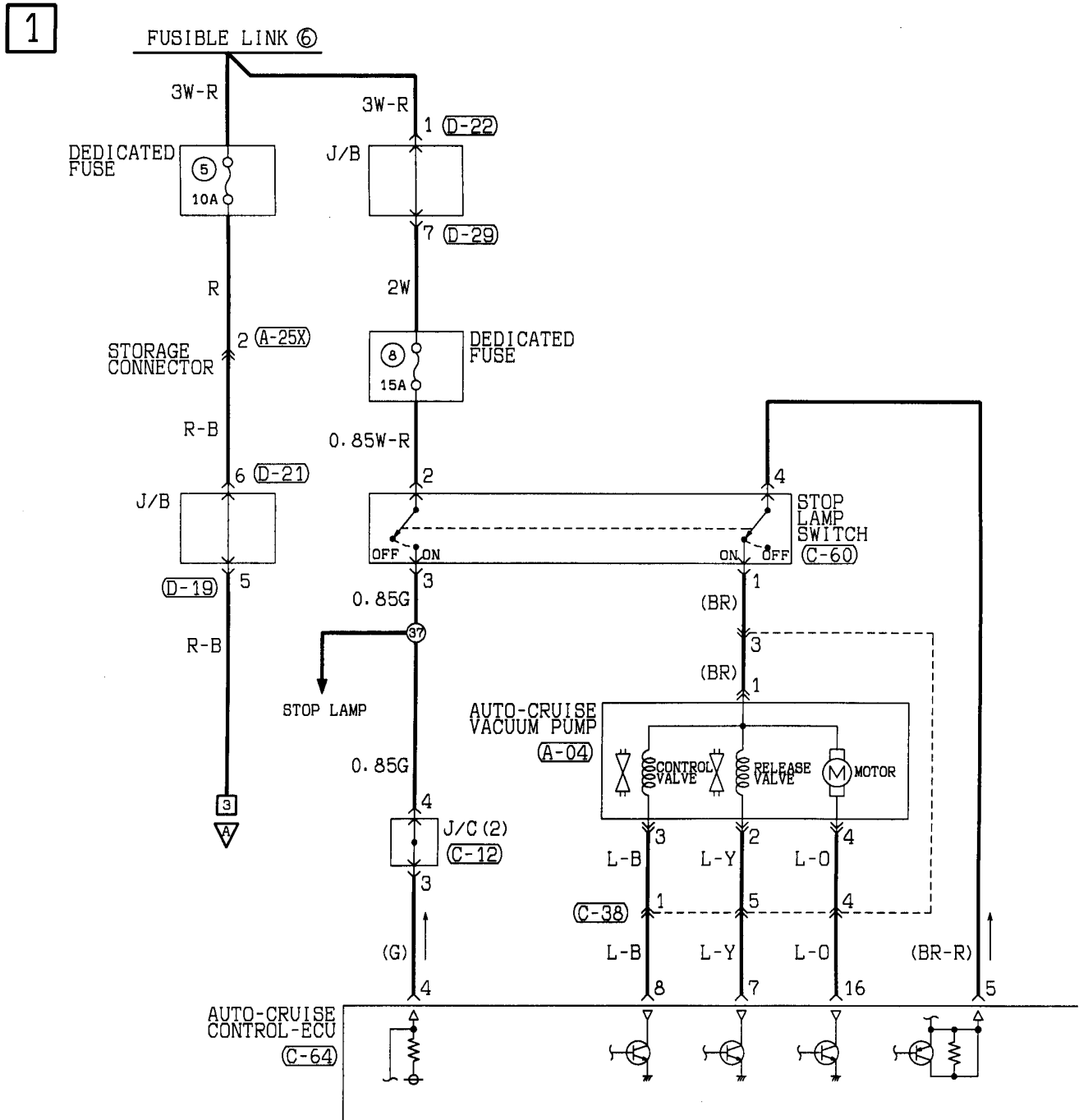
P : Pink

V : Violet

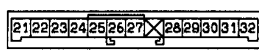
9P15E04AB

AUTO-CRUISE CONTROL SYSTEM

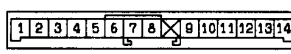
90100930784



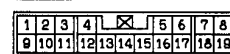
(A-04) (A-25X) (C-04)



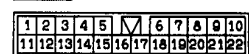
(C-05)



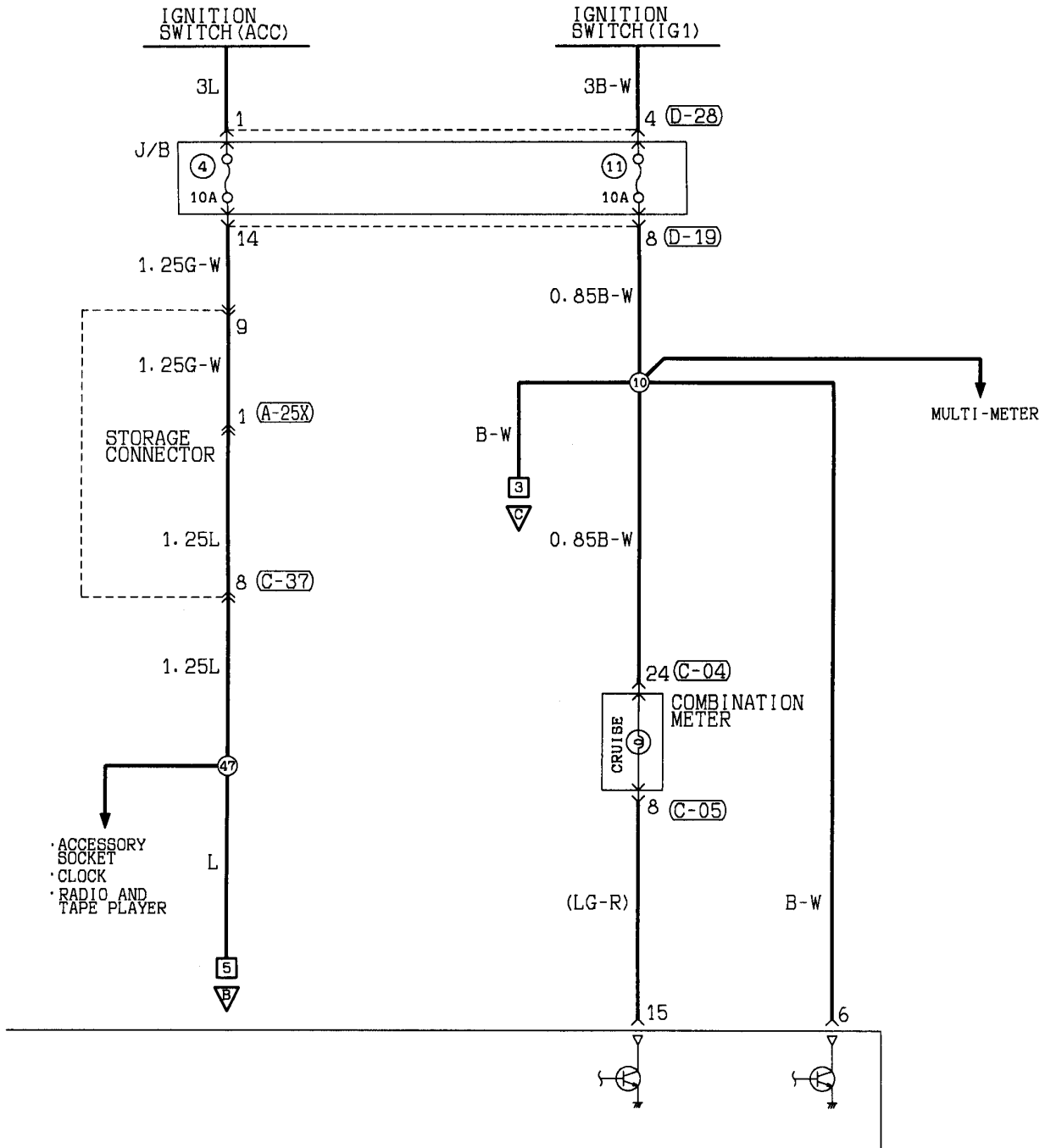
(C-12)



(C-37)



2



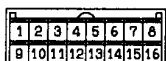
(C-38)



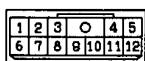
(C-60)



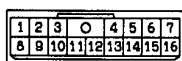
(C-64)



(D-01)



(D-19)



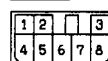
(D-22)



(D-28)



(D-29)

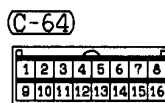
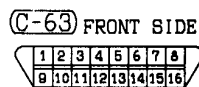
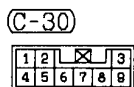
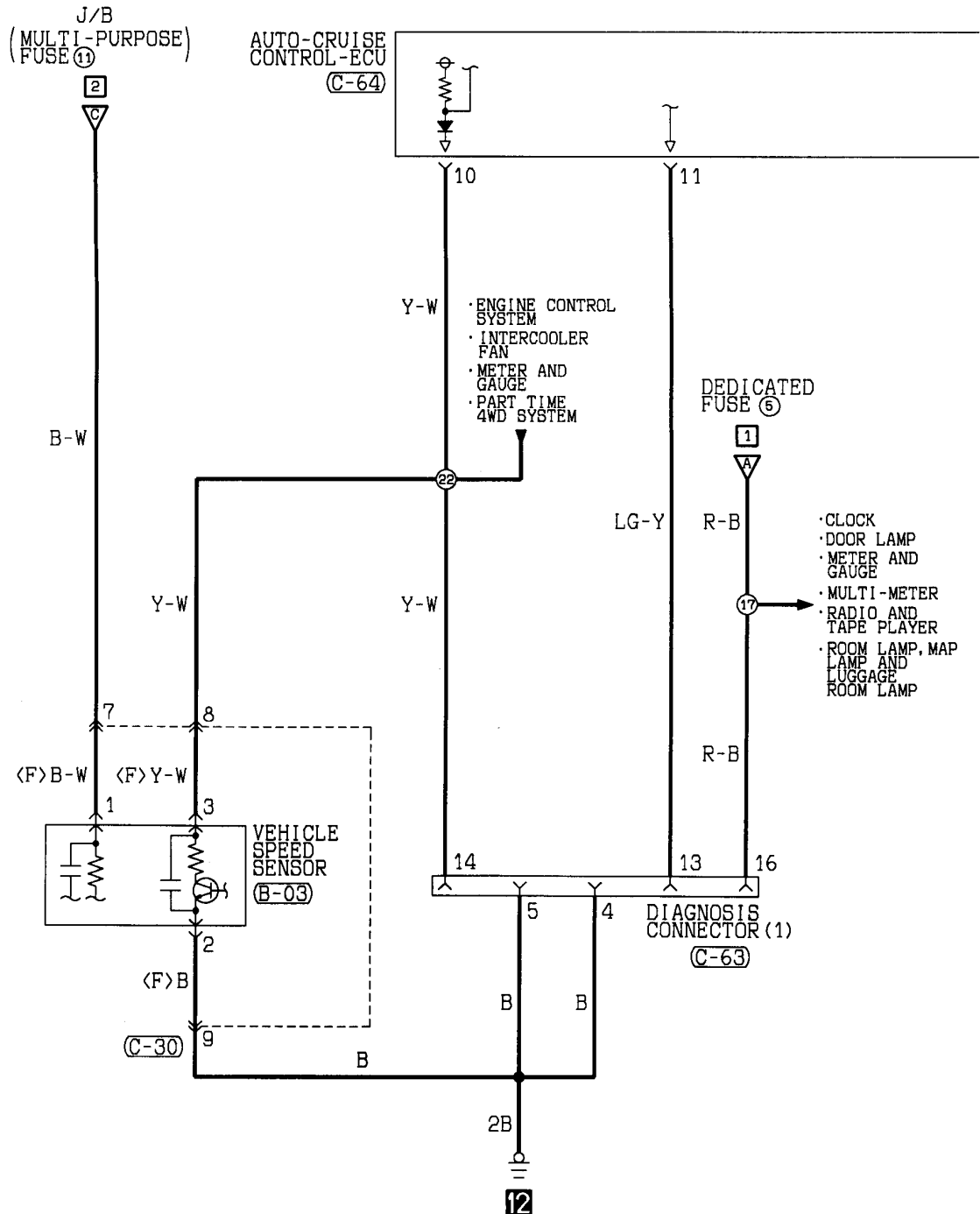


Wire colour code

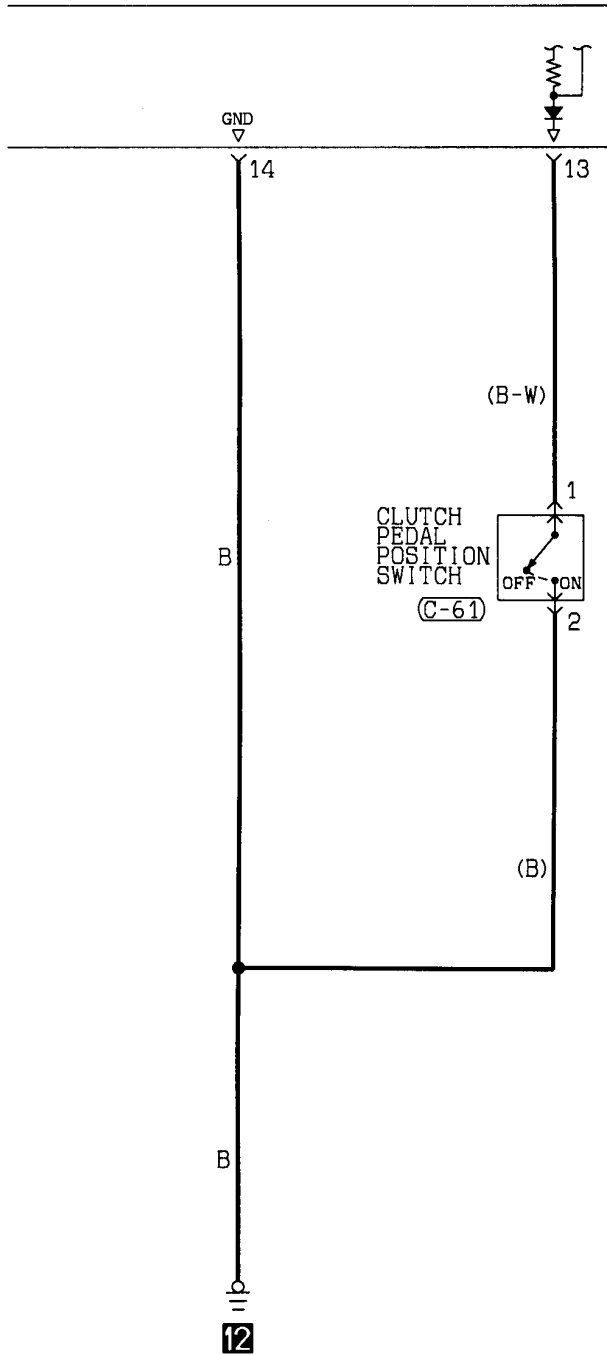
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

AUTO-CRUISE CONTROL SYSTEM (CONTINUED)

3



4

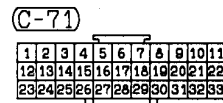
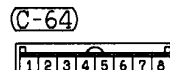
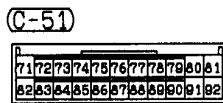
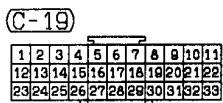
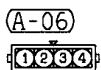
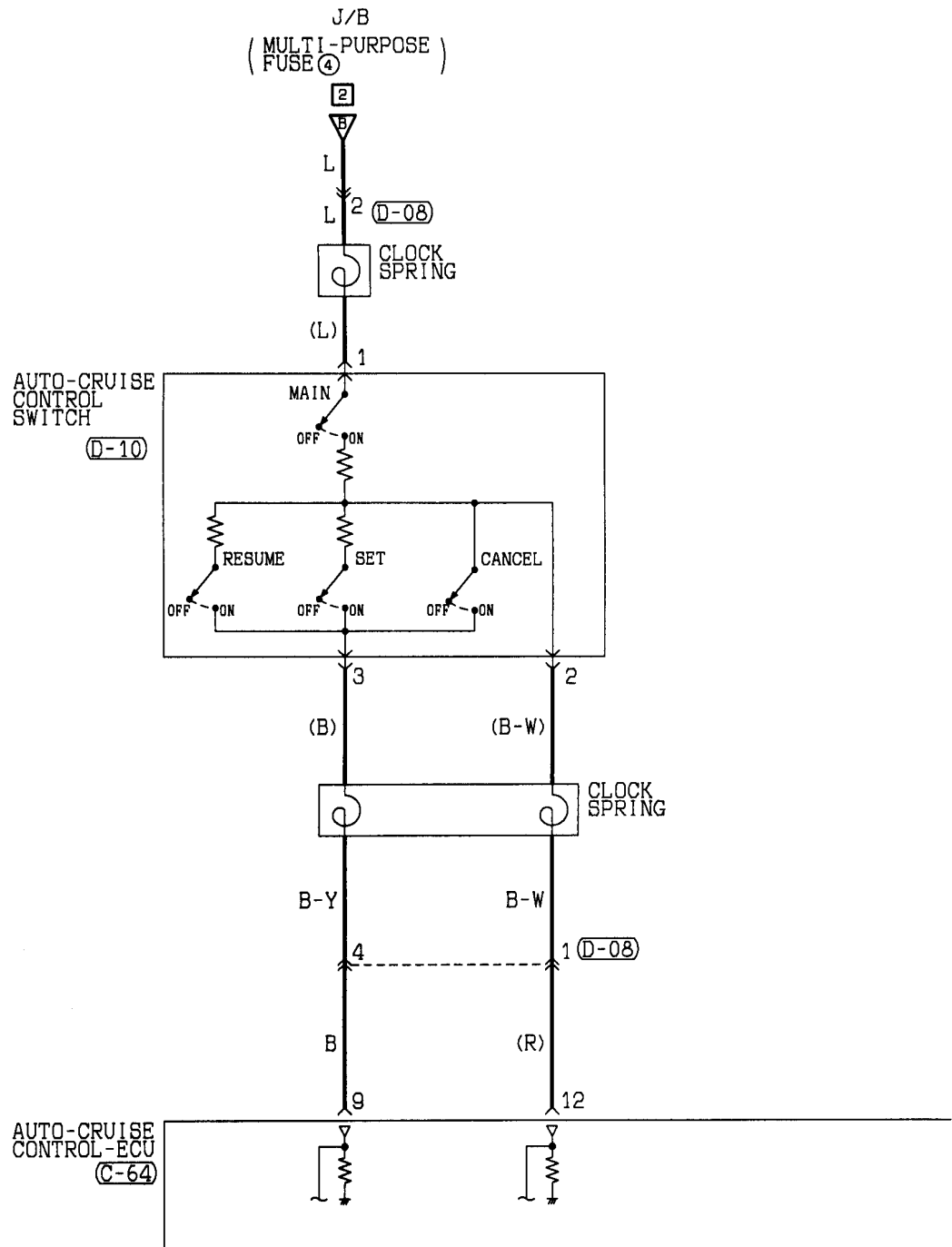


Wire colour code

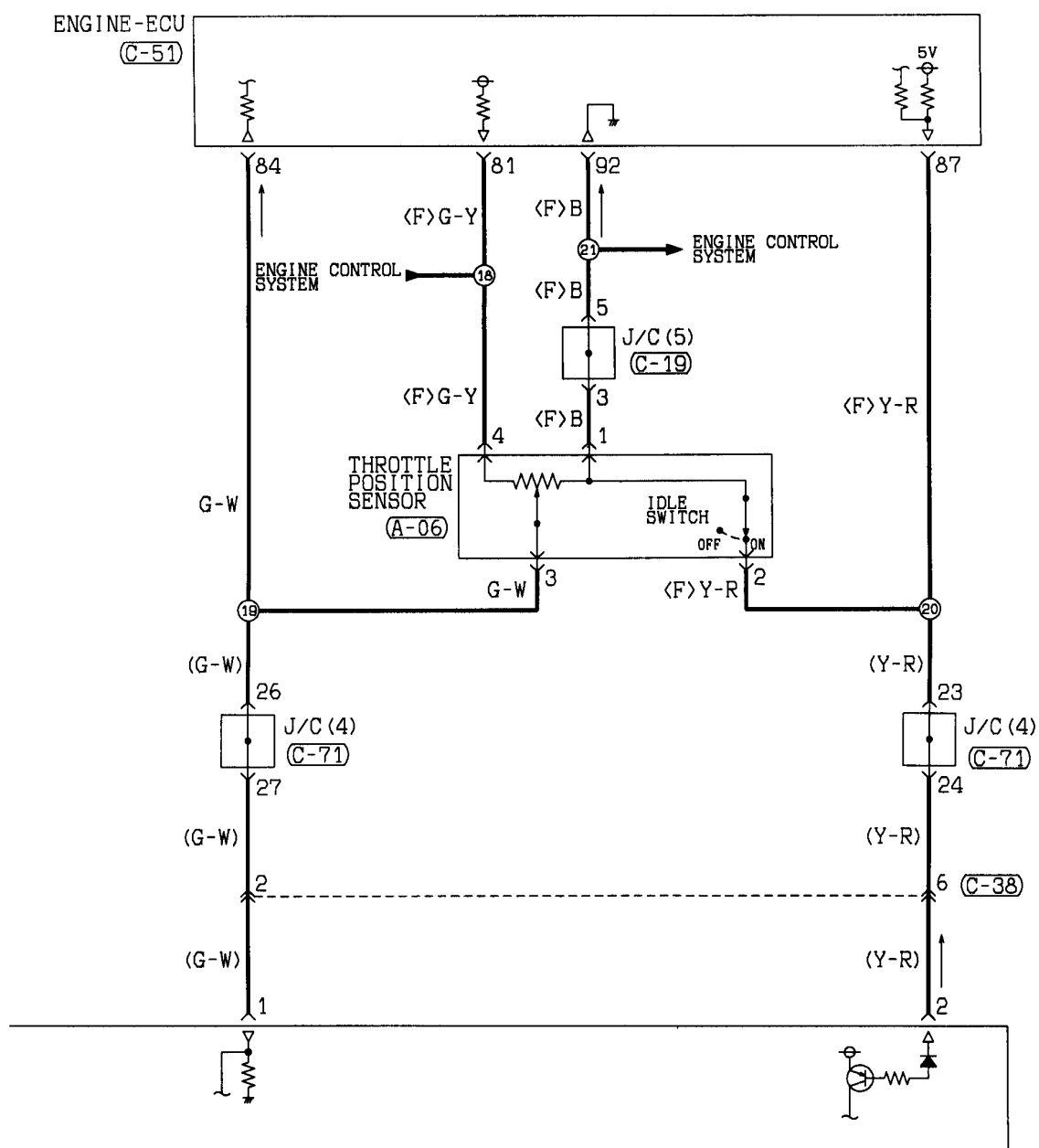
B : Black LG: Light green G : Green L : Blue W : White Y : Yellow SB: Sky blue
 BR: Brown O : Orange GR: Gray R : Red P : Pink V : Violet

AUTO-CRUISE CONTROL SYSTEM (CONTINUED)

5



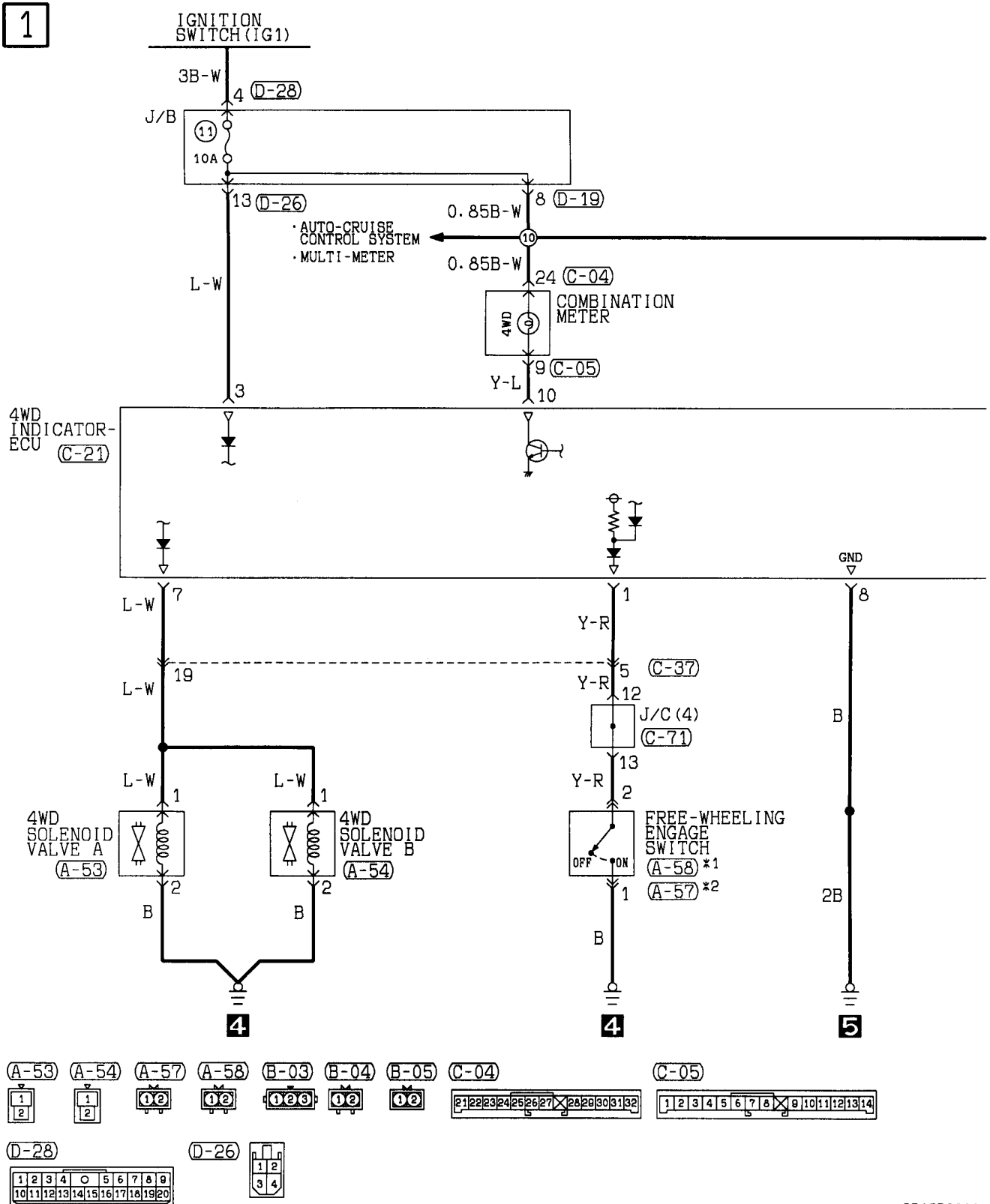
6



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

PART TIME 4WD SYSTEM

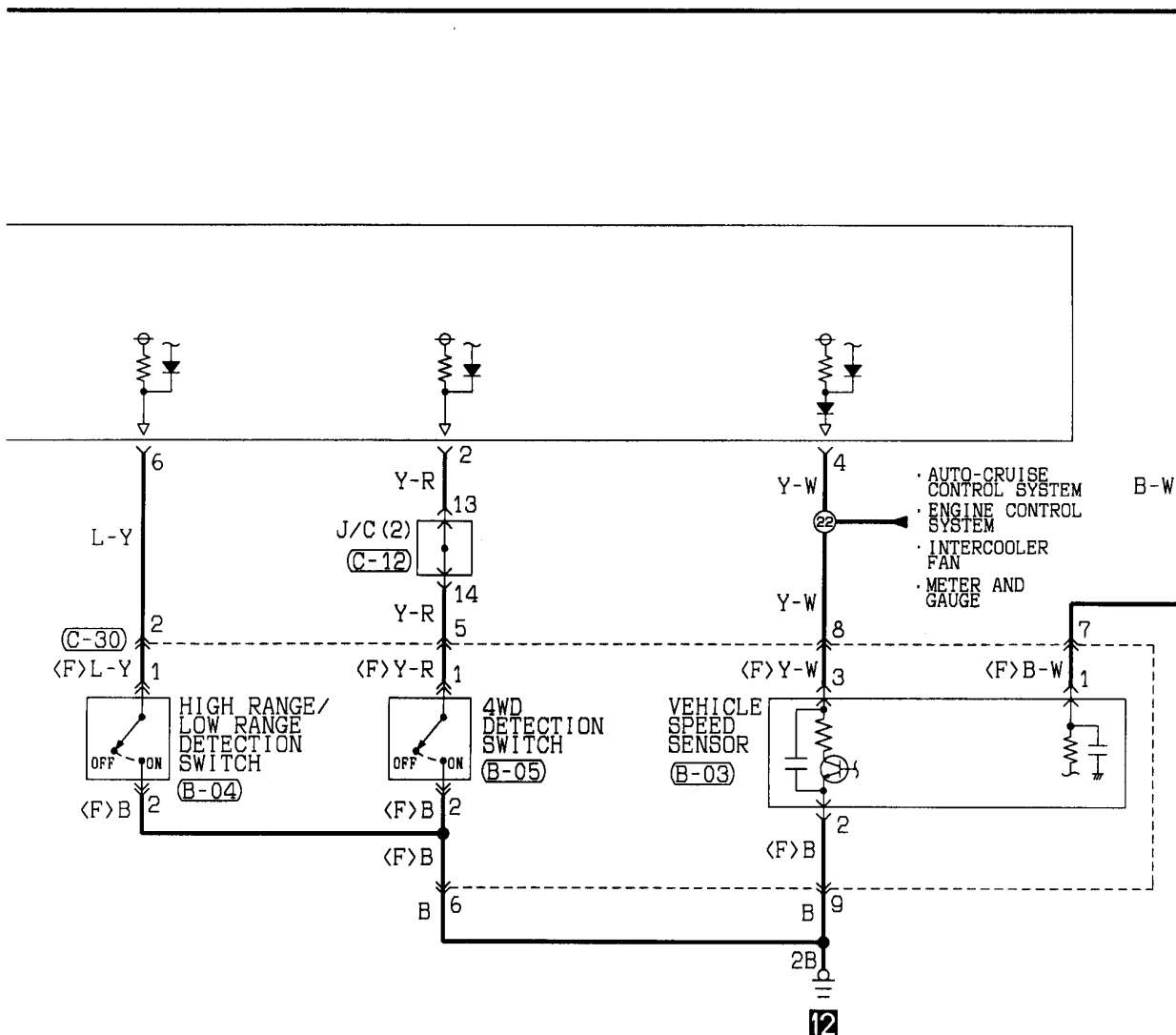
90100910078



2

REMARKS

- *1:WITHOUT AUTO-CRUISE
CONTROL SYSTEM
*2:WITH AUTO-CRUISE
CONTROL SYSTEM



(C-12)

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

(C-21)

1	2	3	4
5	6	7	8

(C-30)

1	2	3	4
5	6	7	8

(C-37)

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

(C-71)

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

(D-19)

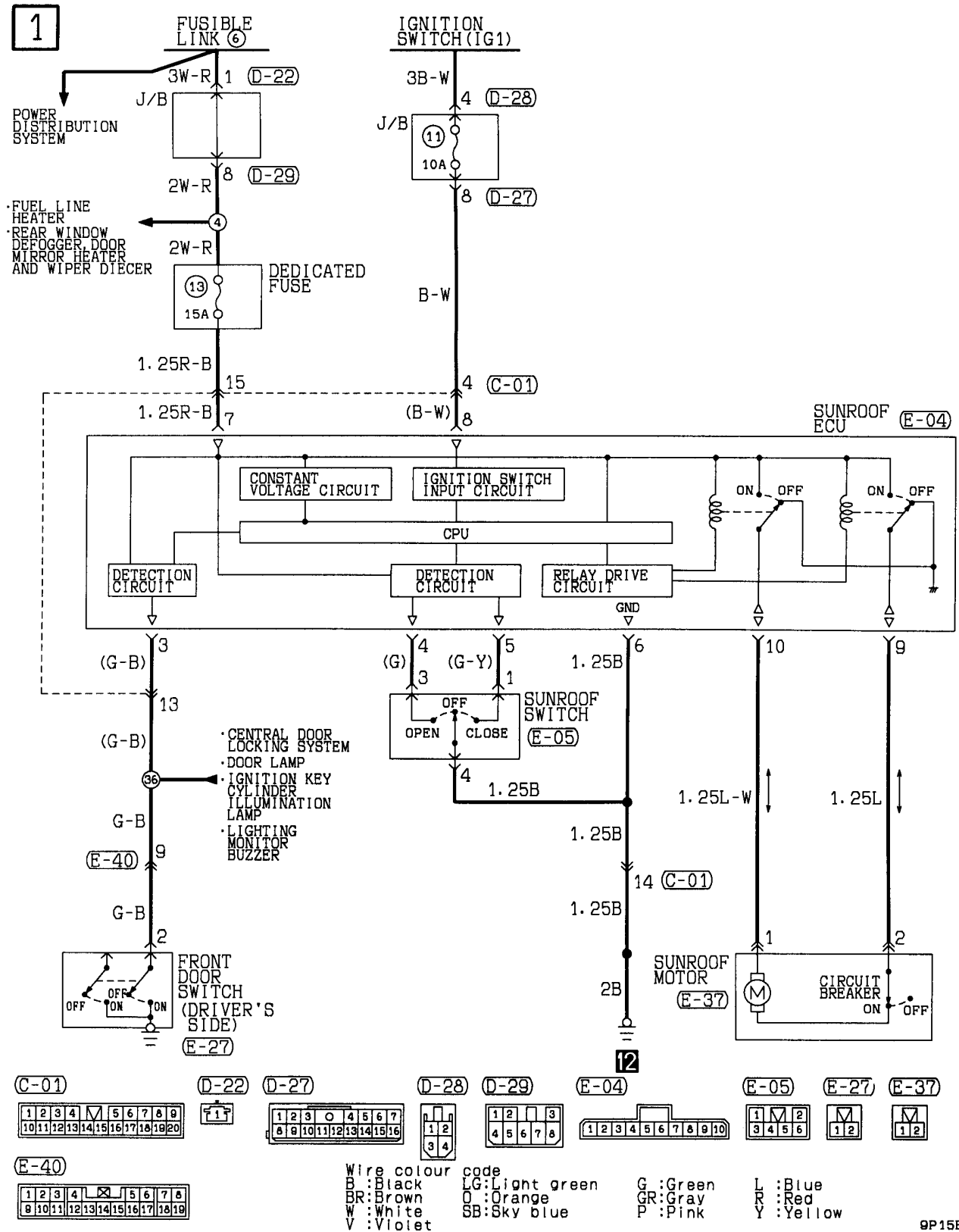
1	2	3	4	5	6	7
8	9	10	11	12	13	14

Wire colour code

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

SUNROOF

90100990461

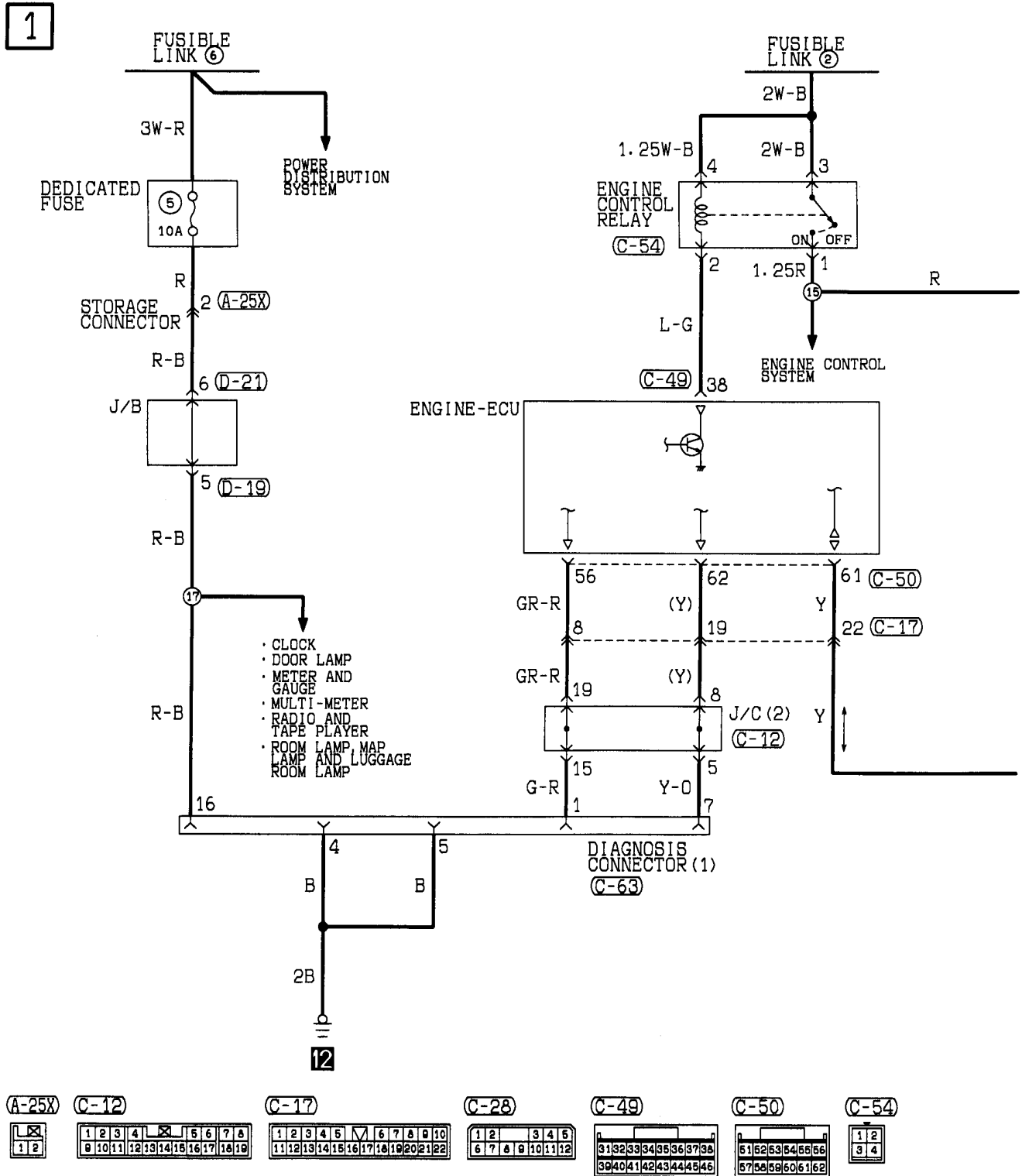


NOTES

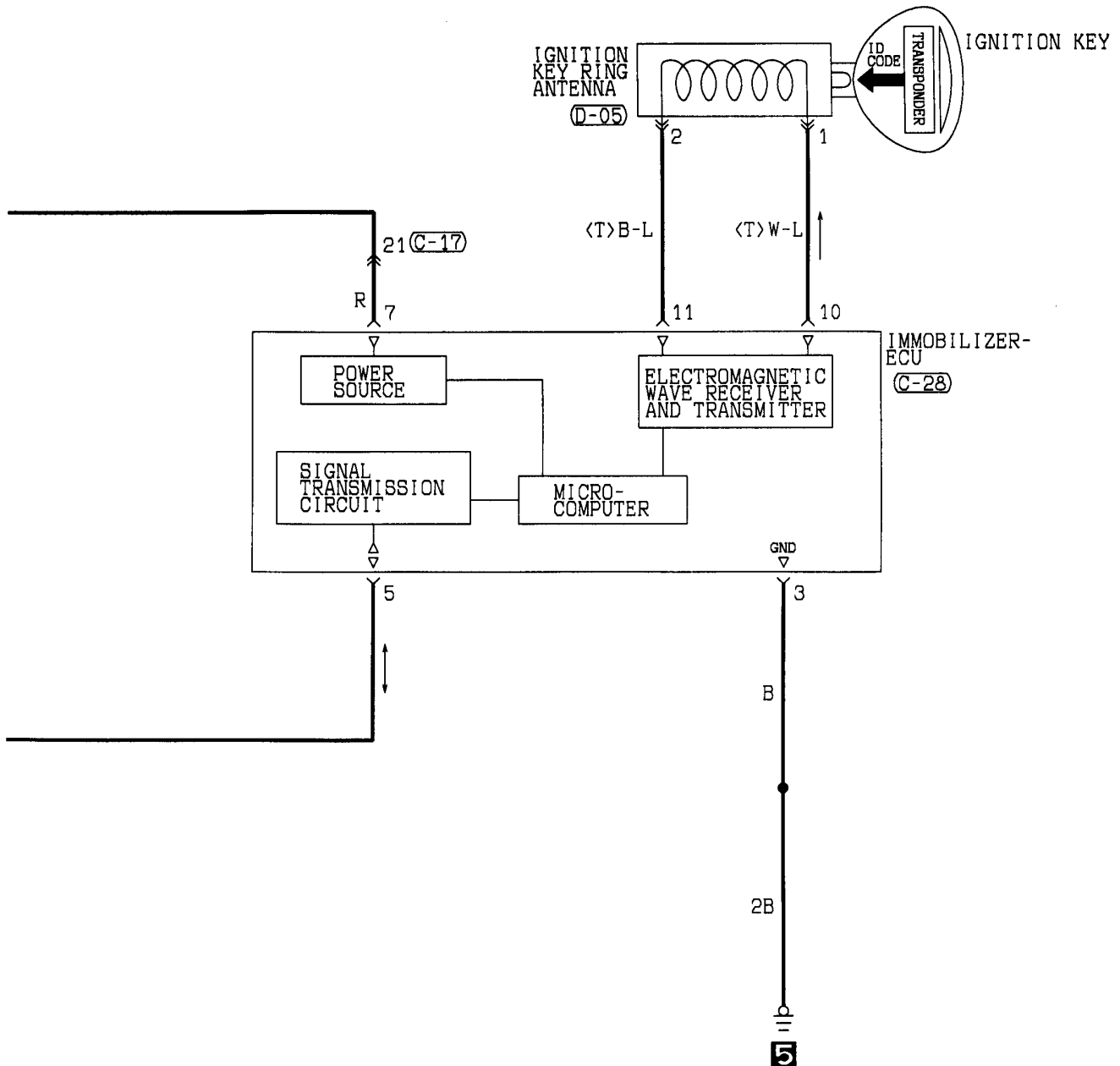
IMMOBILIZER SYSTEM

90101380261

Petrol-powered vehicles



2



(C-63) FRONT SIDE

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

(D-05)

1	2
---	---

(D-19)

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

(D-21)

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

Wire colour code

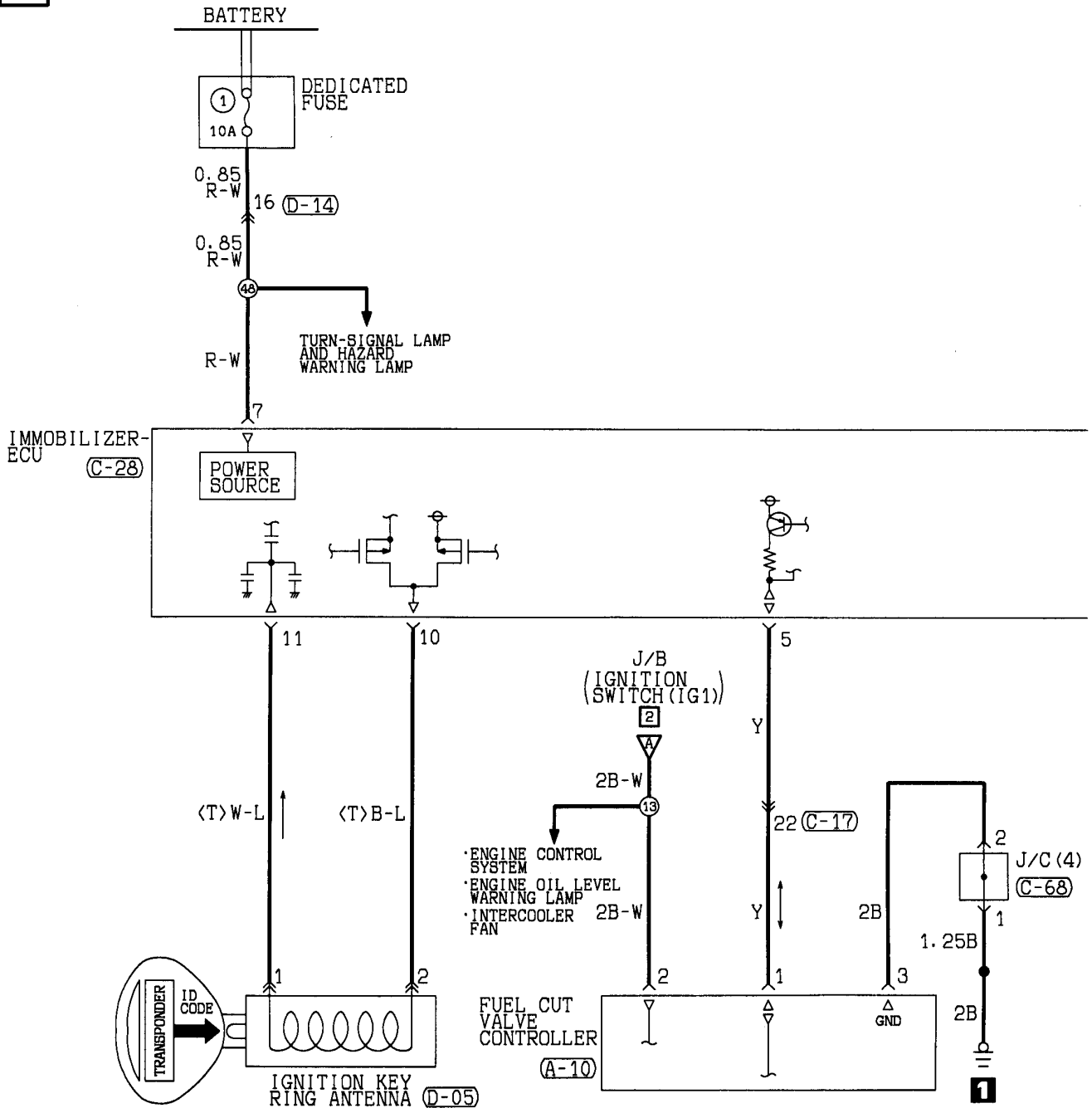
B : Black LG: Light green G : Green L : Blue W : White Y : Yellow SB: Sky blue
 BR: Brown O : Orange GR: Gray R : Red P : Pink V : Violet

IMMOBILIZER SYSTEM

90101360278

Diesel-powered vehicles

1



(A-10)

(A-25X)

(C-17)

(C-28)

(C-63) FRONT SIDE

(C-68)

(D-05)

1 2 3

1 2

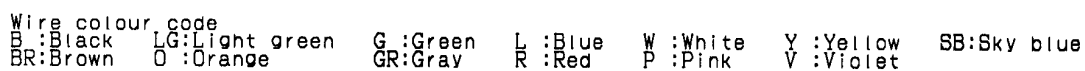
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

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

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

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

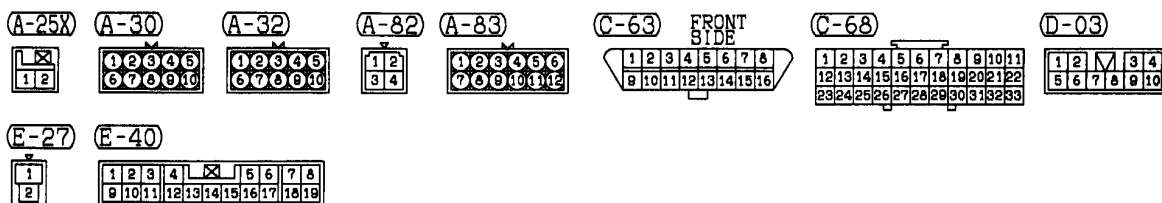
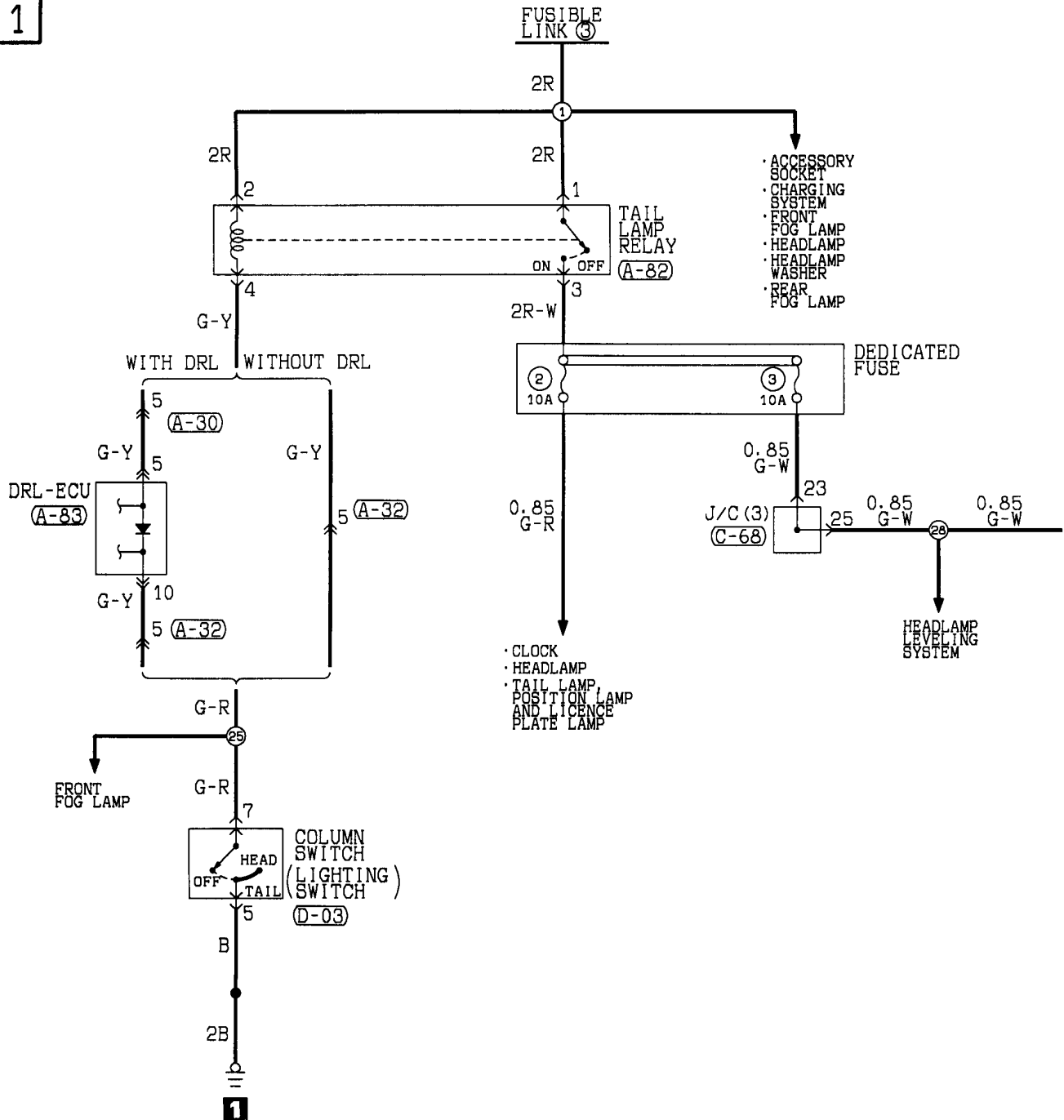


LIGHTING MONITOR BUZZER

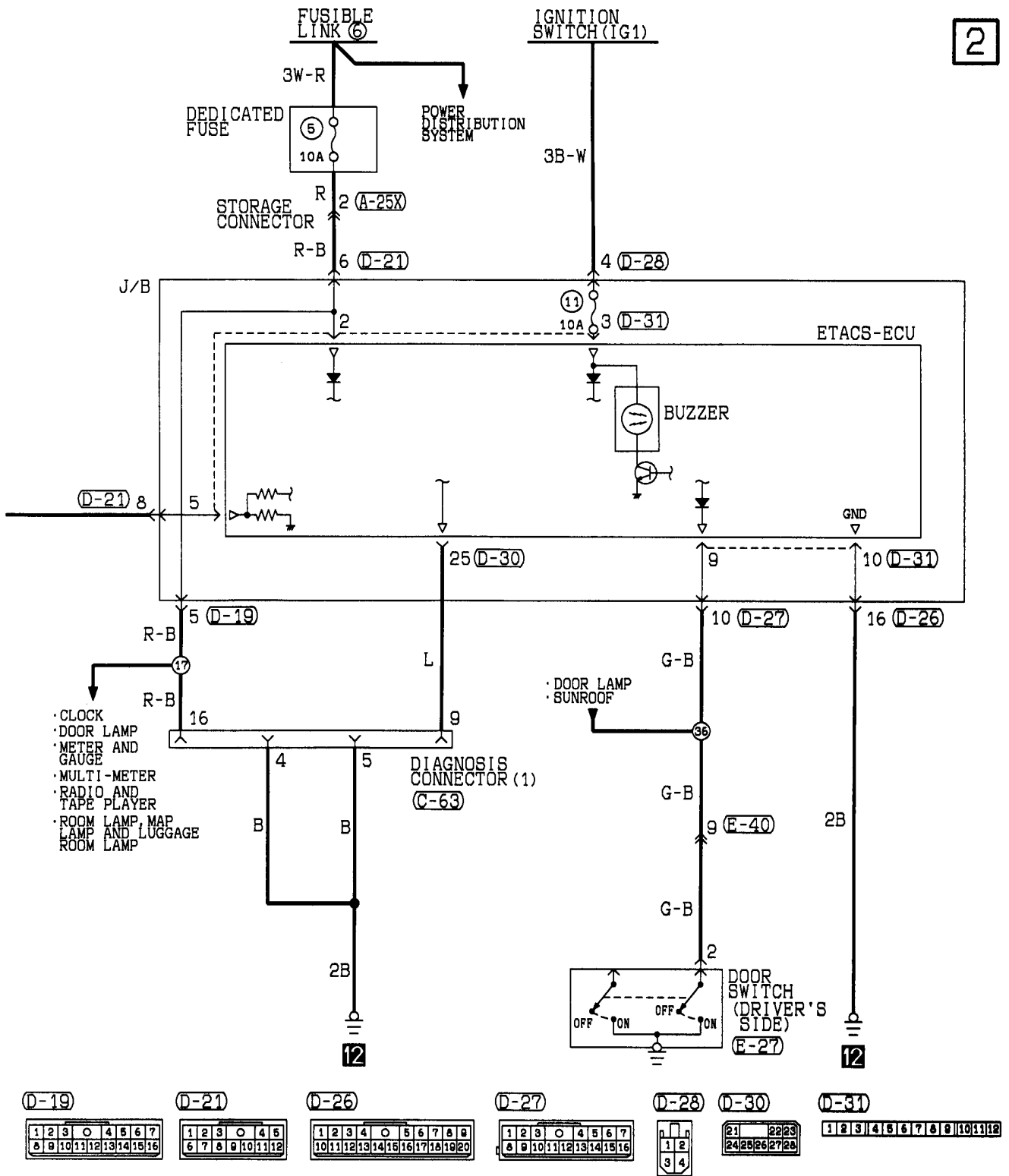
90101140452

L.H. drive vehicles

1



2



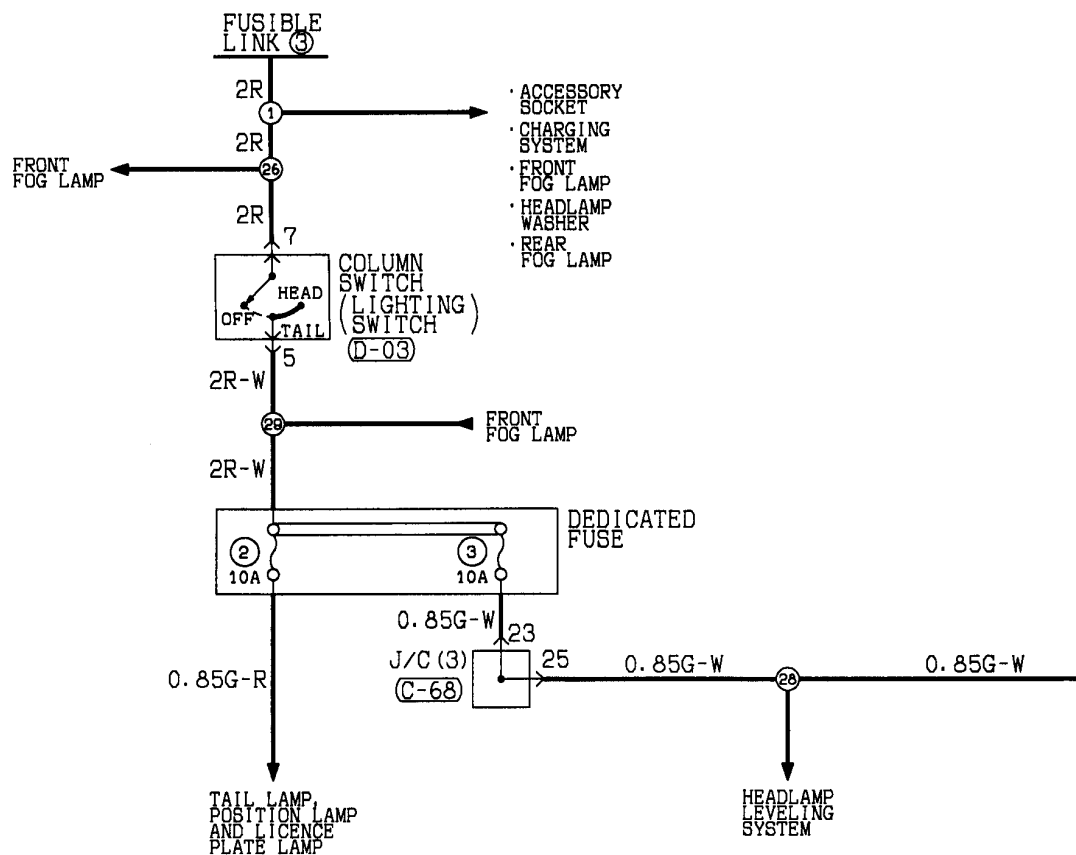
Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

LIGHTING MONITOR BUZZER

90101140469

R.H. drive vehicles

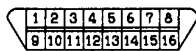
1



(A-25X)



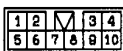
(C-63) FRONT SIDE



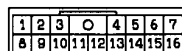
(C-68)



(D-03)



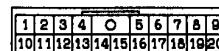
(D-19)

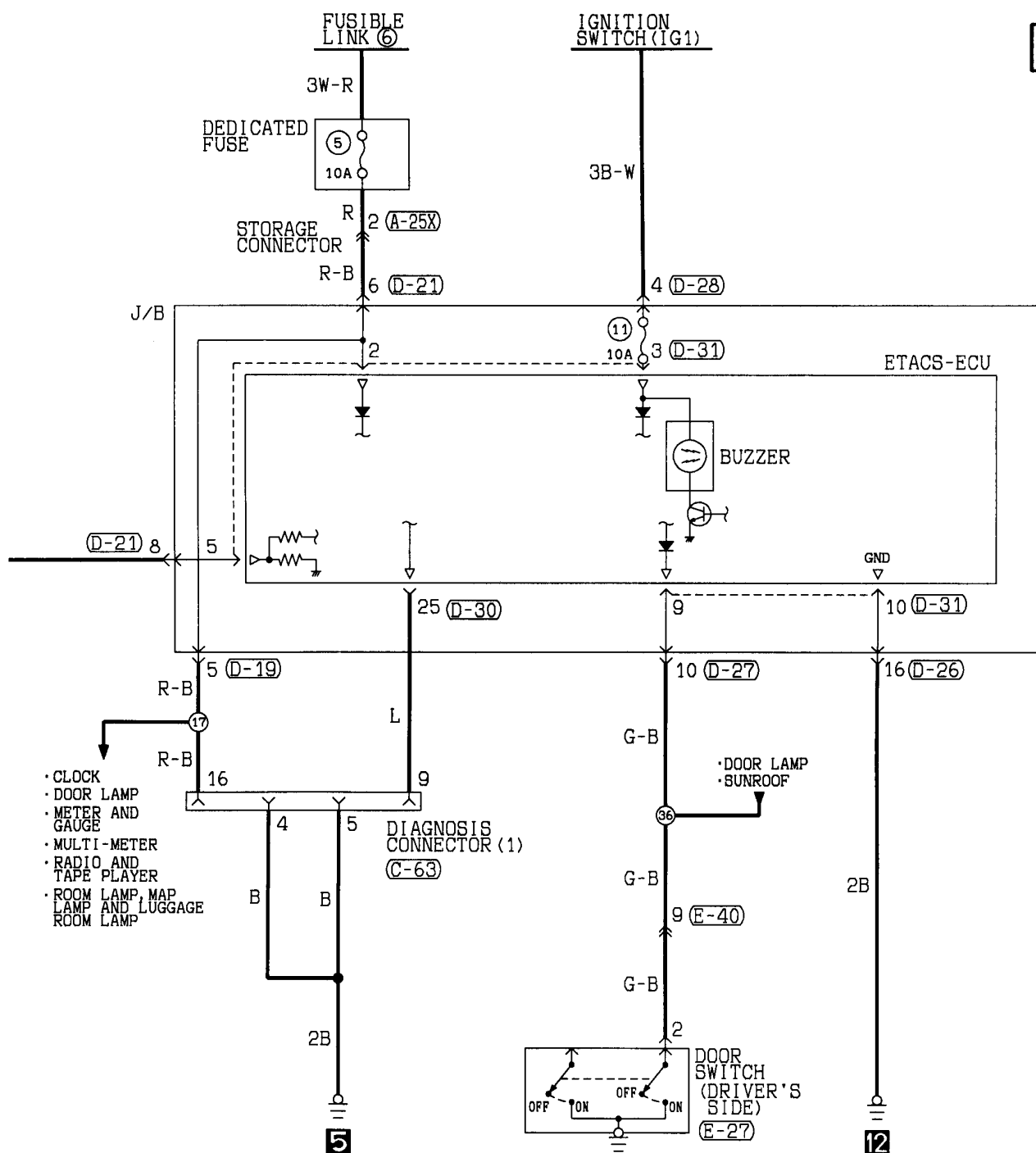


(D-21)



(D-26)





D-27

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

D-28

1	2
3	4

D-30

21	22	23
24	25	26
27	28	

D-31

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

E-27

1	2
---	---

E-40

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

Wire colour code

B : Black LG : Light green

G : Green L : Blue

W : White Y : Yellow

BR : Brown O : Orange

GR : Gray R : Red

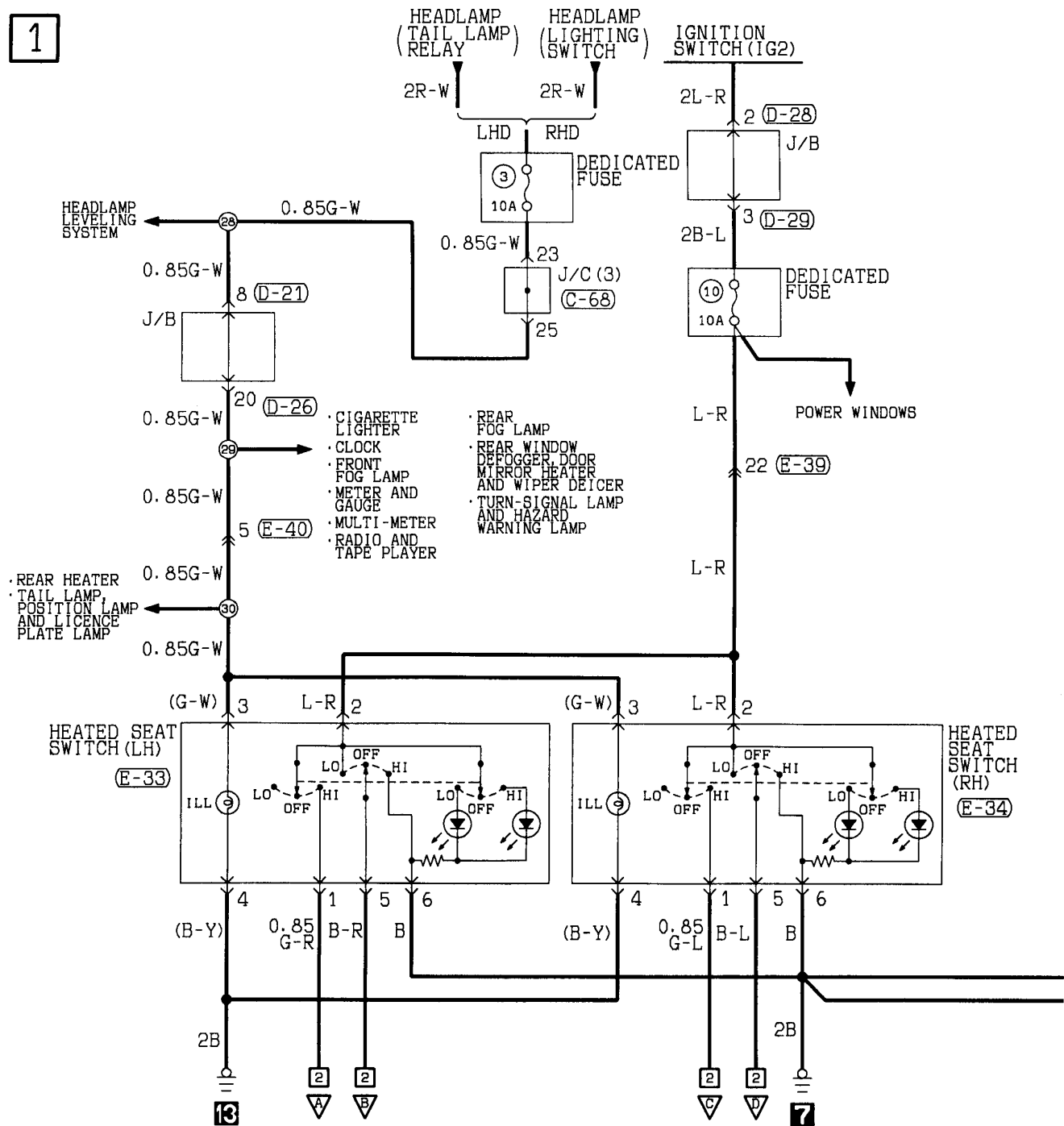
P : Pink V : Violet

SB : Sky blue

HEATED SEAT

90101070201

1



(C-68)

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

(D-21)

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

(D-26)

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

(D-28)

1	2
3	4

(D-29)

1	2	3
4	5	6
7	8	

(E-29)

1
2
3

(E-33)

1	2	3
4	5	6

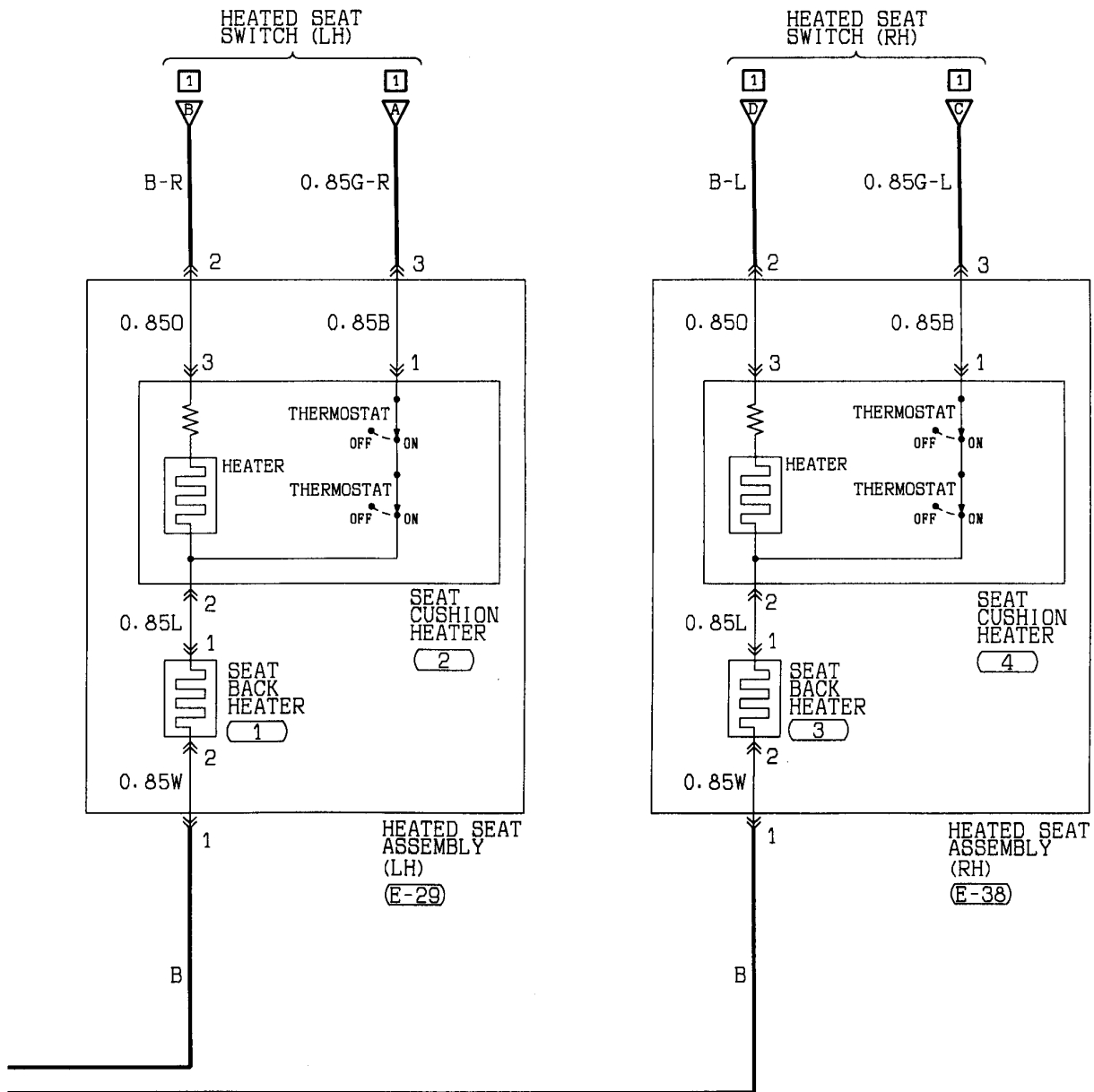
(E-34)

1	2	3
4	5	6

(E-38)

1
2
3

2



(E-39)

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

(E-40)

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

1

1
2

2

1
2
3

3

1
2

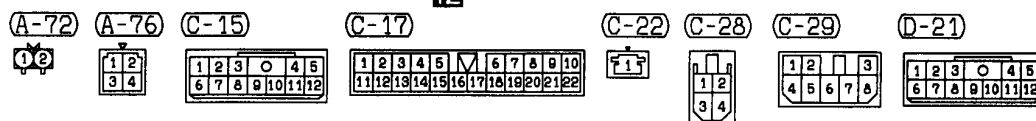
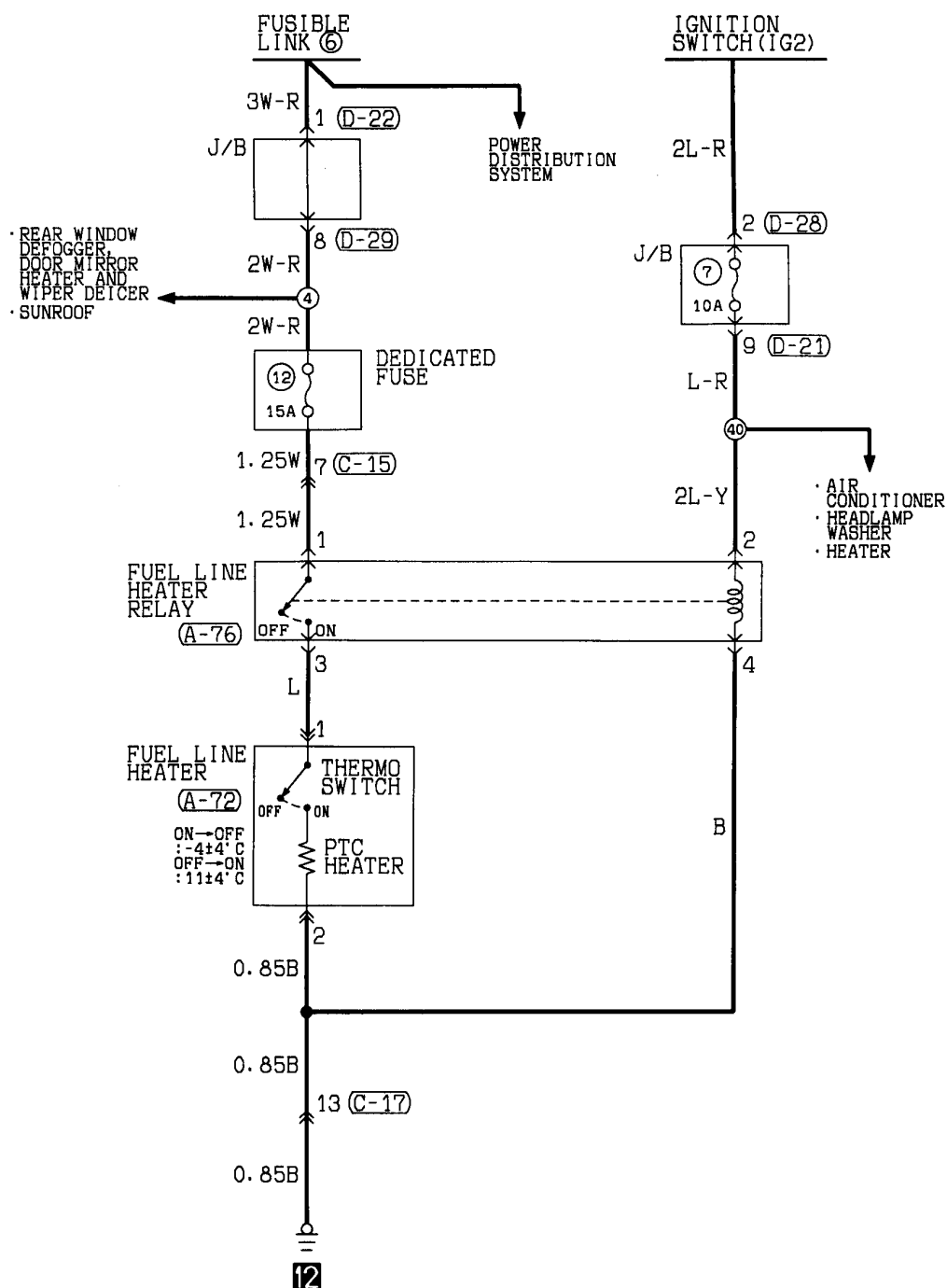
4

1
2
3

Wire colour code

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

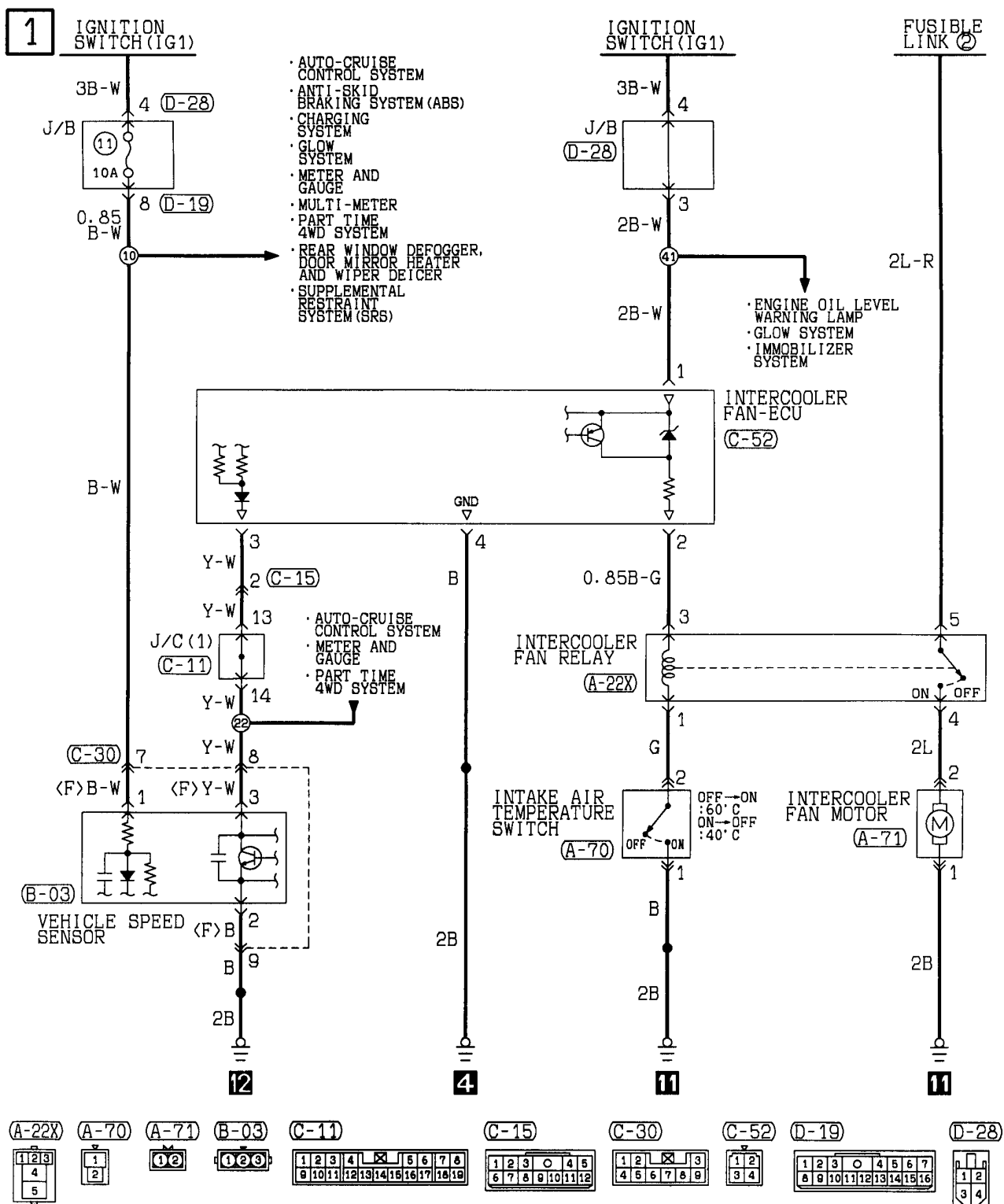
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Wire colour code
 B :Black LG:Light green G:Green L :Blue W :White Y :Yellow SB:Sky blue
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INTERCOOLER FAN

90100890020



Wire colour code
 B :Black LG:Light green G :Green I :Blue W :White Y :Yellow SB:Sky blue
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Rear door speaker (RH)	F-23	4-143	2-39, 41
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Remote controlled mirror (LH) <Vehicles without mirror heater>	F-02	4-139, 140	2-38, 40
Remote controlled mirror switch	F-04	4-139, 140	2-38, 40
Remote controlled mirror switch (RH) <Vehicles with mirror heater>	F-16	4-138, 139, 140	2-39, 41
Remote controlled mirror switch (RH) <Vehicles without mirror heater>	F-17	4-139, 140	2-39, 41
Revolution pick-up sensor	A-95	4-45, 92	2-15, 19
Rheostat	C-33	4-176	2-23, 27
Roof wiring harness and J/B combination	D-20	4-4, 78, 79	2-31, 33
Roof wiring harness and tailgate wiring harness combination	E-16	4-78, 79, 89, 105, 109, 133	2-34, 36

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Roof wiring harness and tailgate wiring harness combination	E-17	4-57, 59, 137	2-34, 36
Room lamp <Vehicles with sunroof>	E-12	4-78	2-34, 36
Room lamp <Vehicles without sunroof>	E-09	4-78	2-34, 36
Side turn signal lamp (LH)	C-32	4-85	2-23, 27
Side turn signal lamp (RH)	C-20	4-85	2-23, 27
Solenoid valve A <4WD>	A-53	4-162	2-5, 9, 13, 17
Solenoid valve B <4WD>	A-54	4-162	2-5, 9, 13, 17
SRS-ECU	C-25	4-155	2-23, 27
Starter	A-12	4-28	2-12, 16
Starter	A-13	4-28	2-12, 16
Starter	B-06	4-28	2-20
Starter	B-07	4-28	2-20
Starter relay	A-21X	4-28	2-12, 16
Stop lamp switch <Vehicles with auto-cruise control system>	C-60	4-88, 149, 156	2-25, 29
Stop lamp switch <Vehicles without auto-cruise control system>	C-59	4-88, 149	2-25, 29
Storage connector	A-25X	4-17, 23, 39, 78, 80, 81, 82, 93, 102, 104, 108, 117, 119, 142, 143, 144, 145, 147, 148, 154, 156, 157, 166, 169, 171	2-4, 8, 12, 16
Sunroof motor	E-37	4-164	2-35, 37
Sunroof switch	E-05	4-78, 164	2-34, 36
Sunroof-ECU	E-04	4-164	2-34, 36
Tail lamp relay	A-82	4-18, 47, 51, 56, 62, 67, 170	2-6, 14
Tailgate switch	G-03	4-79	2-42
Throttle position sensor	A-06	4-40, 161	2-4, 8
Turn signal and hazard warning flasher unit	D-25	4-4, 84	2-31, 33
Vacuum switch	A-75	4-96	2-14, 18
Vehicles speed sensor	B-03	4-43, 93, 158, 163, 178	2-20
Water level switch	A-73	4-97	2-14, 18
Wheel speed sensor (front: LH) <ABS>	A-87	4-150	2-7, 11, 15, 19
Wheel speed sensor (front: RH) <ABS>	A-103	4-150	2-7, 11, 15, 19

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Wheel speed sensor (rear: LH) <ABS>	E-23	4-150	2-34, 36
Wheel speed sensor (rear: RH) <ABS>	E-36	4-150	2-35, 37
Windshield washer motor	A-91	4-130	2-7, 11, 15, 19
Windshield wiper motor	A-15	4-130	2-4, 8, 12, 16
Wiper deicer	A-16	4-137	2-4, 8, 12, 16