

MITSUBISHI SIGMA

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for the inspection and servicing of electrical wiring of Mitsubishi Sigma 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
PYGE9603

WORKSHOP MANUAL
CHASSIS GROUP
PWGE9610

BODY REPAIR MANUAL
PBGE9608

ENGINE GROUP
PWEE□□□□
(Looseleaf edition)

PARTS CATALOGUE
□□□□□□□□

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



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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

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NOTES

MODELS**VEHICLES FOR G.C.C.**

Model code		Engine model	Transmission model	Fuel supply system
F36A	TNHELJW	6G72-SOHC (2,972 mℓ)	F5M51 (2WD-5M/T)	MPI
	TNXELJW			
	TRHELJW		F4A51 (2WD-4 A/T)	
	TRXELJW			

VEHICLES FOR GENERAL EXPORT

Model	Model code		Engine model	Transmission model	Fuel supply system
Except vehicles for Hong Kong	F36A	TRHERJ1	6G72-SOHC (2,972 mℓ)	F4A51 (2WD-4 A/T)	MPI
		TRXERJ1			
Vehicles for Hong Kong	F36A	TRHERJD	6G72-SOHC (2,972 mℓ)	F4A51 (2WD-4 A/T)	MPI
		TRXERJD			

VEHICLES FOR CHINA

Model code		Engine model	Transmission model	Fuel supply system
F36A	TNXELJC	6G72-SOHC (2,972 mℓ)	F5M51 (2WD-5 M/T)	MPI
	TRXELJC		F4A51 (2WD-4 A/T)	

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

1. This manual consists of wiring harness diagrams, installation locations of individual parts, circuit 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	Circuits from power supply to earth are completely, classified according to system. There is a main division into power circuits, and circuits classified by the system. The circuits classified by system also include operation and troubleshooting hints. ● 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 the system For each system, the circuits are shown from the 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

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 to parts in clockwise order on the diagram.
In addition, the number of connector wires and the connector colour (except milk white)* are shown for ease of retrieval.

Example: A-77 (5-B)

Connector colour
(milk white if no colour is indicated)

Number of connector wires

Number specific to connector (serial number)

Connector location site symbol

A : Engine compartment
B : Dash panel
C : Instrument panel
D : Floor and roof
E : Seat
F : Door
G : Luggage compartment
H : Rear floor lower section

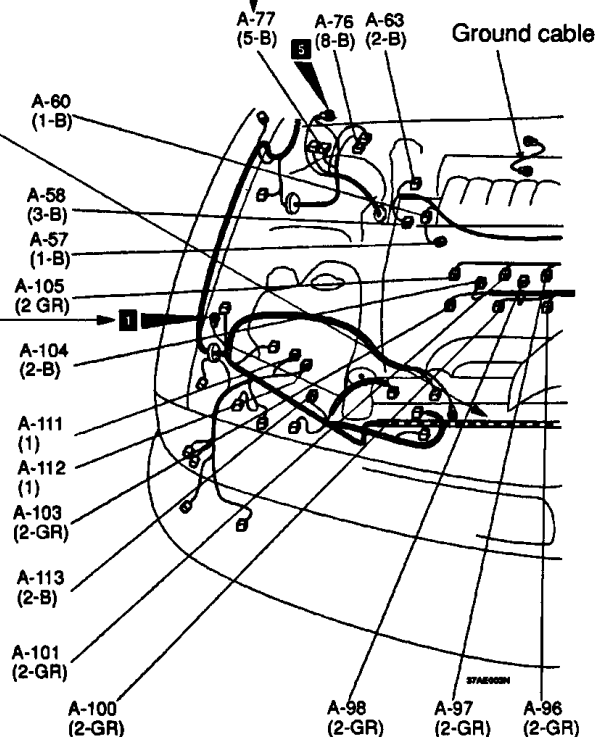
*: Typical connector colours

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

Denotes a section covered by a corrugated tube.

Denotes earth point.
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to P.3-14 for details of earth points.

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



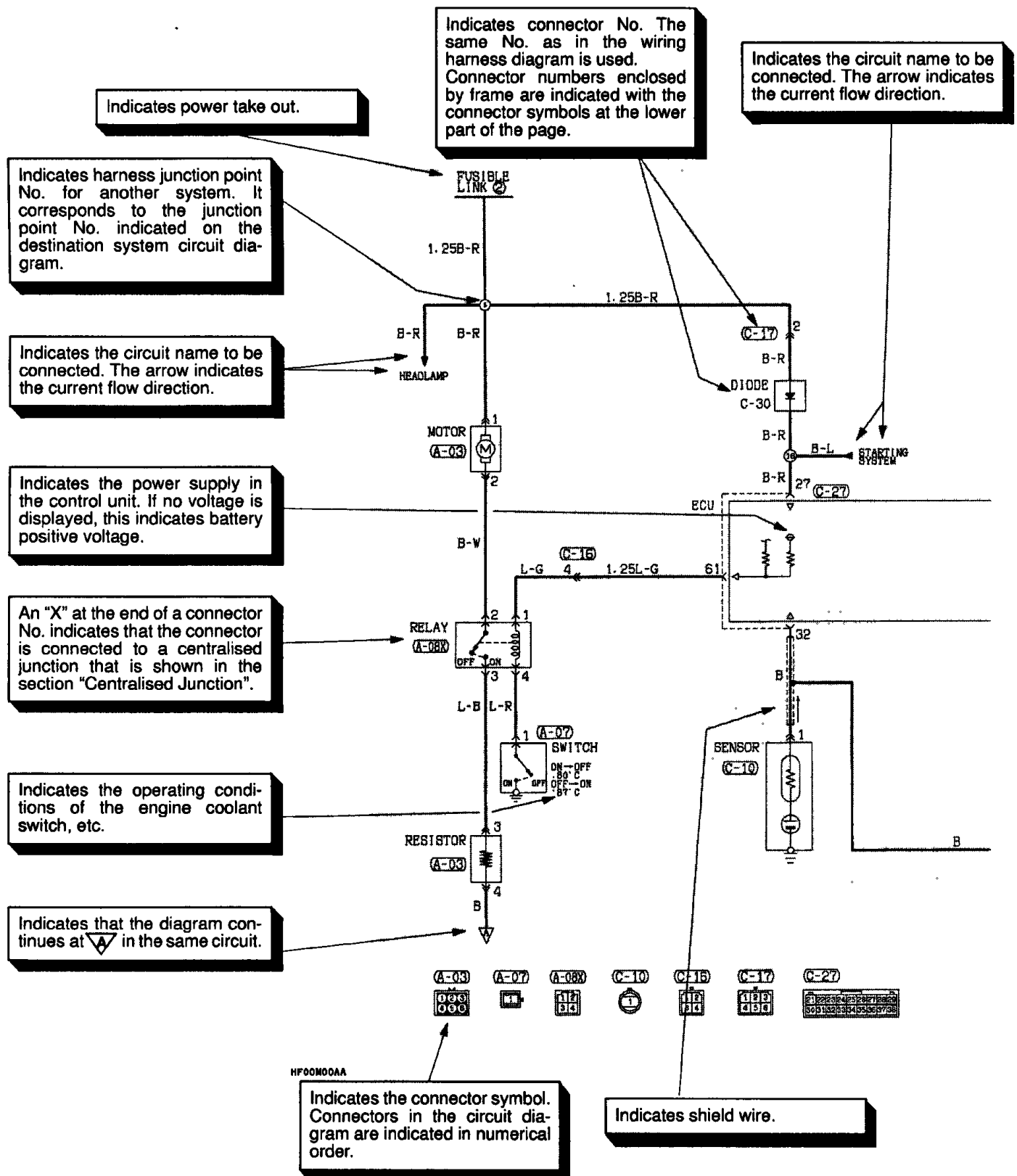
A-77 Valve relay <ABS>
A-57 Power steering oil pressure switch
A-58 Crank angle sensor
A-60 Connection of control harness and power steering harness
A-63 Knock sensor
A-67 Condenser
A-68 Throttle position sensor
A-70 Idle speed control servo

A-72 Air flow sensor
A-75 Checking connector (for adjusting ignition timing, checking fuel pump)
A-76 Hydraulic unit <ABS>
A-82 Distributor assembly
A-84 Connection of control harness and battery harness
A-85 Output shaft speed sensor
A-86 Input shaft speed sensor

1-6 HOW TO READ THE WIRING DIAGRAMS – How to Read Circuit Diagrams

HOW TO READ CIRCUIT DIAGRAMS

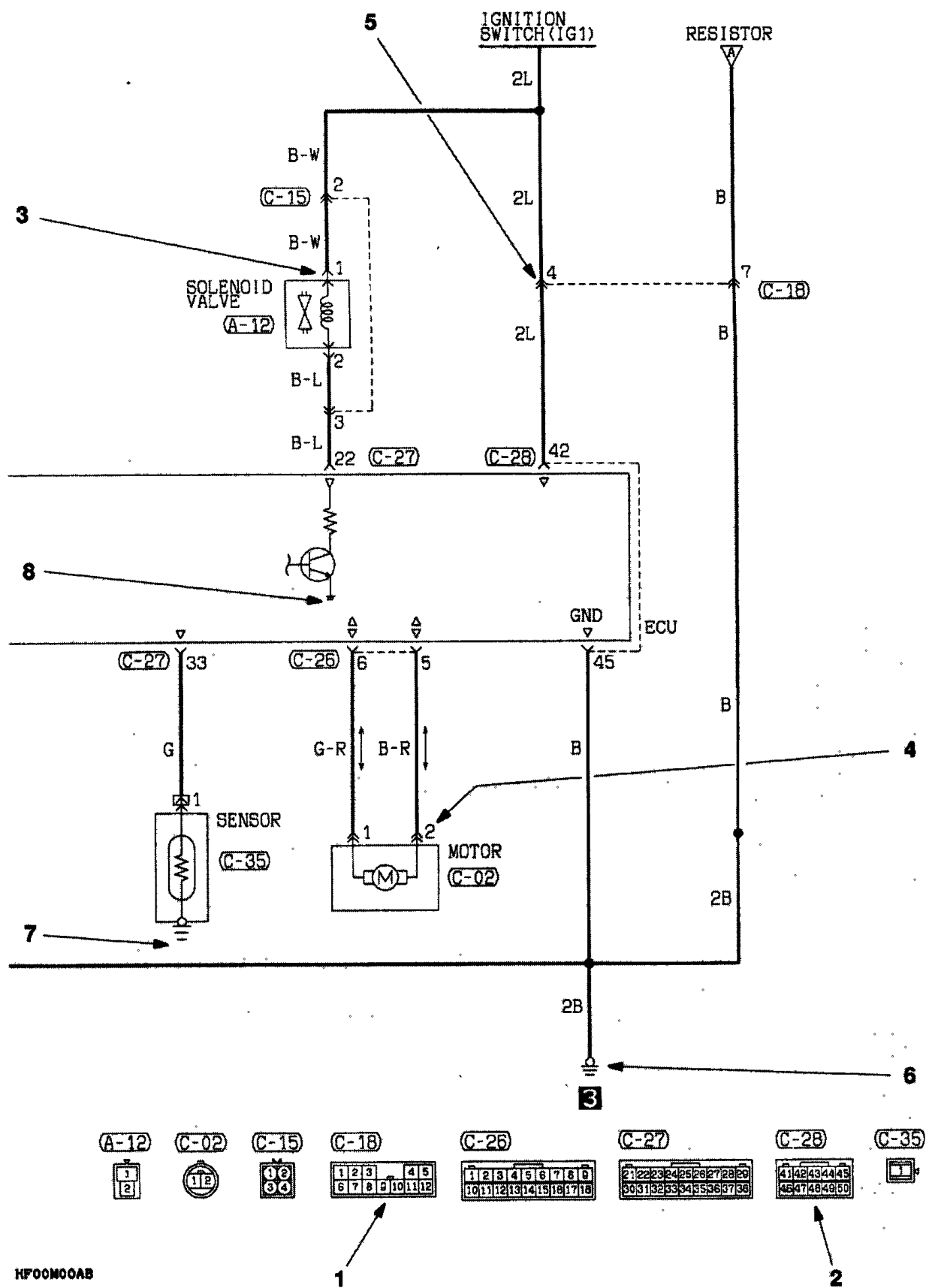
The circuit of each system from the fuse (or fusible link) to ground is shown. The power supply is shown at the top and the ground at the bottom to facilitate understanding of how the current flows.

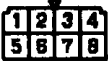
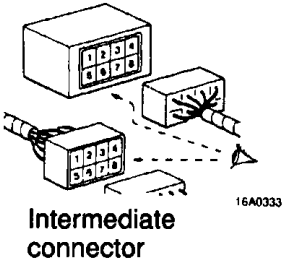
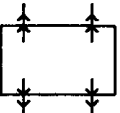
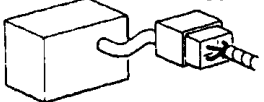
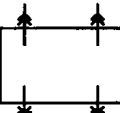
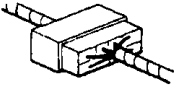
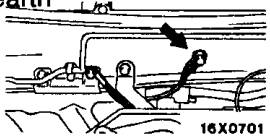


HOW TO READ THE WIRING DIAGRAMS – How to Read Circuit Diagrams 1-7



MARKINGS FOR CONNECTOR EARTHING

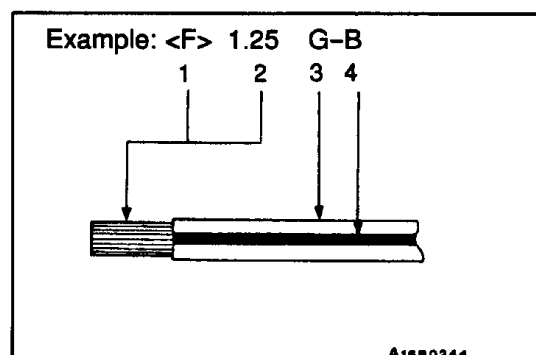


Item	NO.	Connector/Earthing	Symbol	Contents
Connector marking	1	Male  WH-1	 WH-3	Double connector contour lines indicate male connector terminals and single contour lines indicates female terminals as illustrated here.
	-	Female  WH-2	 WH-4	
Connector symbol marking	2	Device  Intermediate connector 16A0333 WH-1	 WH-1	The symbol indicates the 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, the male connector symbol is shown. For the diagnosis connector, its contents differ from the previous description. Refer to "MUT-II operation instruction" in detail.
Connector connection marking	3	Direct connection type  16X0700	 WH-5	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 furnished on the device side (harness connection type). The two types are indicated as illustrated.
	4	Harness connection type  16A0334	 WH-6	
	5	Intermediate connector  16A0339	 WH-7	
Earth markings	6	Body earth  16X0701	 WH-8	Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	7	Device earth  16X0702	 WH-9	
	8	Earth in control unit  16X0703	 WH-10	

WIRE COLOUR CODES

Wire colours are identified by the following colour codes.

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



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.

ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

1. Abbreviation symbols used for wiring harness

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Antilock braking system	ELC-4A/T	Electronic controlled 4-speed automatic transmission
A/C	Air conditioner	ETACS	Electronic time and alarm control system
A/T	Automatic transmission	MPI	Multi-point injection
EGR	Exhaust gas recirculation	M/T	Manual transmission
		SRS	Supplemental restraint system

2. Abbreviation symbols for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Antilock braking system warning lamp	OIL	Oil pressure warning lamp
BEAM	High beam indicator lamp	SEAT BELT	Seat belt warning 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
DOOR	Door-ajar warning lamp	T/GA	Engine coolant temperature gauge
F/GA	Fuel gauge	TURN (LH)	Turn signal indicator lamp (L.H.)
FUEL	Low fuel warning lamp	TURN (RH)	Turn signal indicator lamp (R.H.)

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

3. Abbreviation symbols used for switches and relays

Names 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
				MH	Blower operates at medium high speed
				HI	Blower operates at high speed
	IG2	When at the ST (START) position, the power circuit will not start functioning	Wind-shield wiper switch	LO	Wipers operate at low speed
				HI	Wipers operate at high speed
INT				Wipers operate intermittently	
Dimmer passing switch	LO	Low beams ON	Variable intermittent wiper control switch	SLOW	Pause time for intermittent operation lengthen
	HI	High beams ON		FAST	Pause time for intermittent operation shorten
Lighting switch	TAIL	Position, tail, licence plate and instrument panel lamps ON	Rear wiper switch	LO	Wiper operates at low speed
	HEAD	Headlamps ON		INT	Wiper operates intermittently
Room lamp switch	DOOR	Room lamp ON when a door is open			
Turn signal switch	LH	L.H. turn signal lamps ON	Remote control mirror switch	LH	L.H. mirror operates
	RH	R.H. turn signal lamps ON		RH	R.H. mirror operates
Power window switch	UP	Window closes	Sunroof switch	OPEN	Sunroof slides to open
	DOWN	Window opens		CLOSE	Sunroof slides to close
Door lock actuator	LOCK	Door lock		UP	Sunroof tilted up
	UN-LOCK	Door unlock		DOWN	Sunroof tilted down
Door lock key cylinder switch	LOCK	Door lock	Others	ON	Switched on
	UN-LOCK	Door unlock		OFF	Switched off

4. Other Abbreviation symbols

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ECU	Electronic control unit	LH	Left hand
F/B	Fuse box	LHD	L.H. drive vehicles
GND	Earth	R/B	Relay box
ILL	Illumination lamp	RH	Right hand
IND	Indicator lamp	RHD	R.H. drive vehicles
J/B	Junction block	ROOM	Room lamp
J/C	Joint connector	SPOT	Stop lamp

WIRING HARNESS CONFIGURATION DIAGRAMS

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LUGGAGE COMPARTMENT

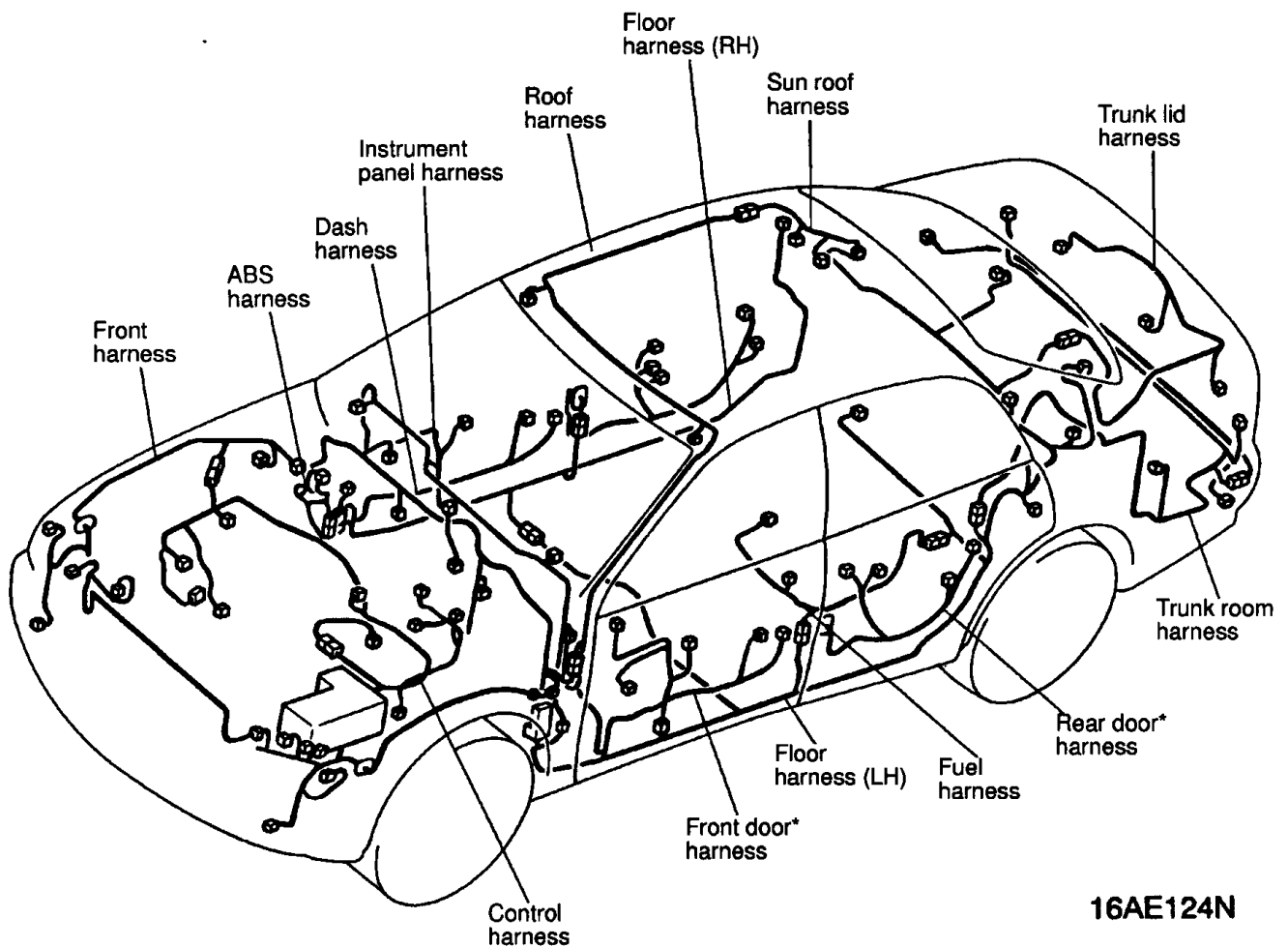
2-28

REAR FLOOR LOWER SECTION

2-30

OVERALL WIRING DIAGRAM

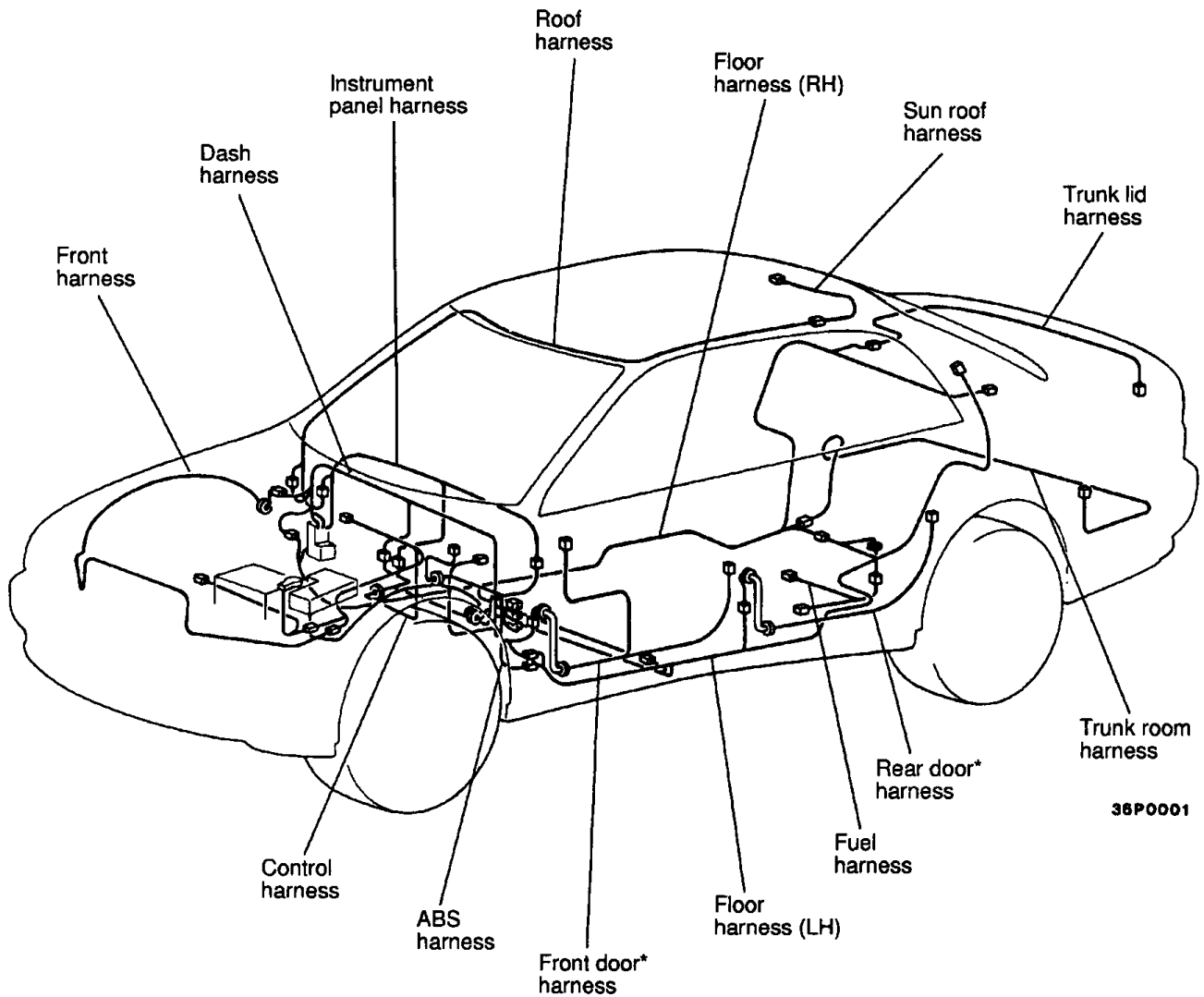
L.H. drive vehicles



NOTE

- (1) This illustration shows only the major wiring harness.
- (2) The * symbol indicates also equipped at the right side.

R.H. drive vehicles



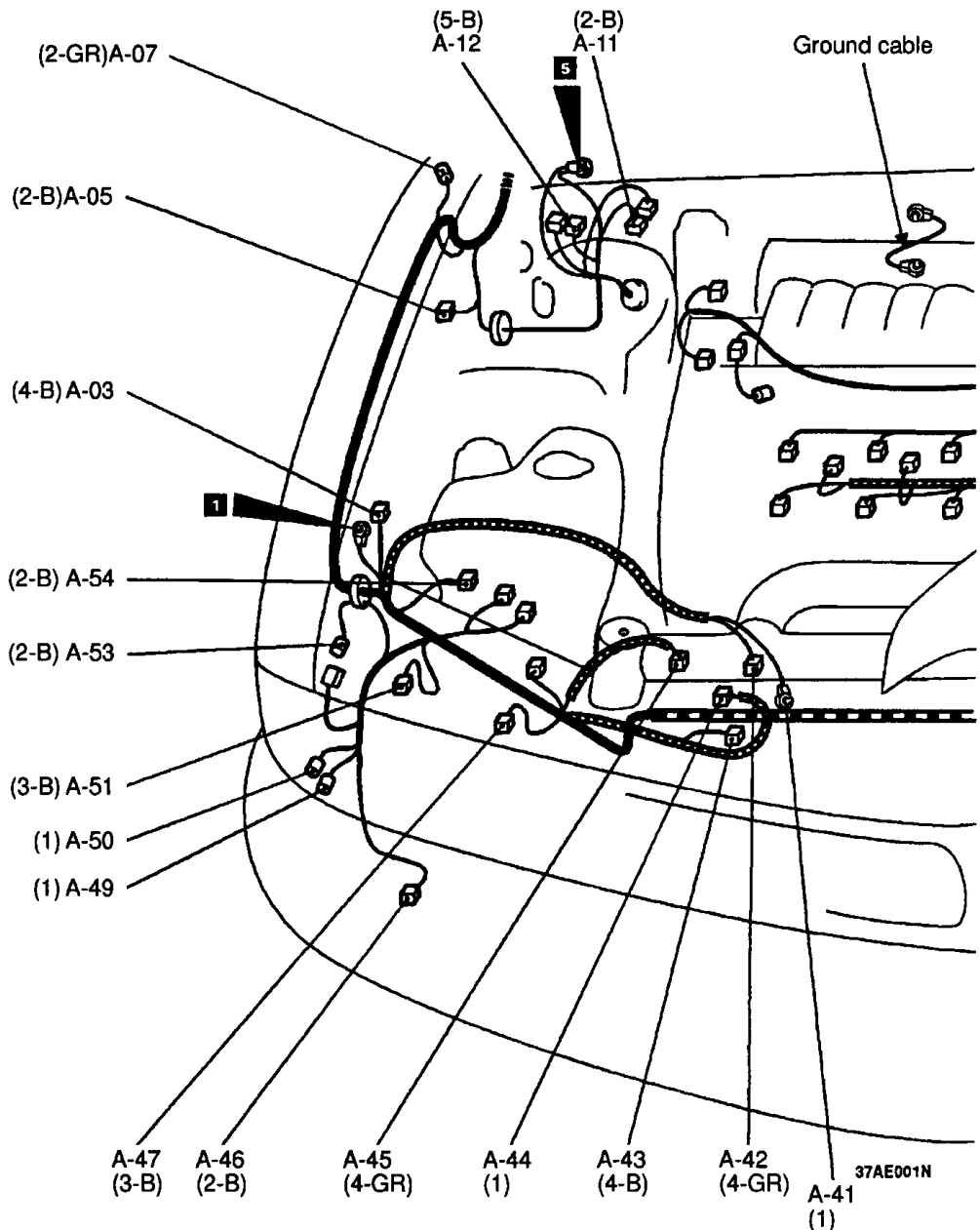
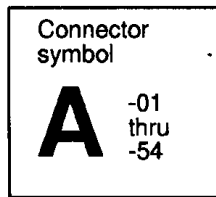
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NOTE

- (1) This illustration shows only the major wiring harness.
- (2) The * symbol indicates also equipped at the right side.

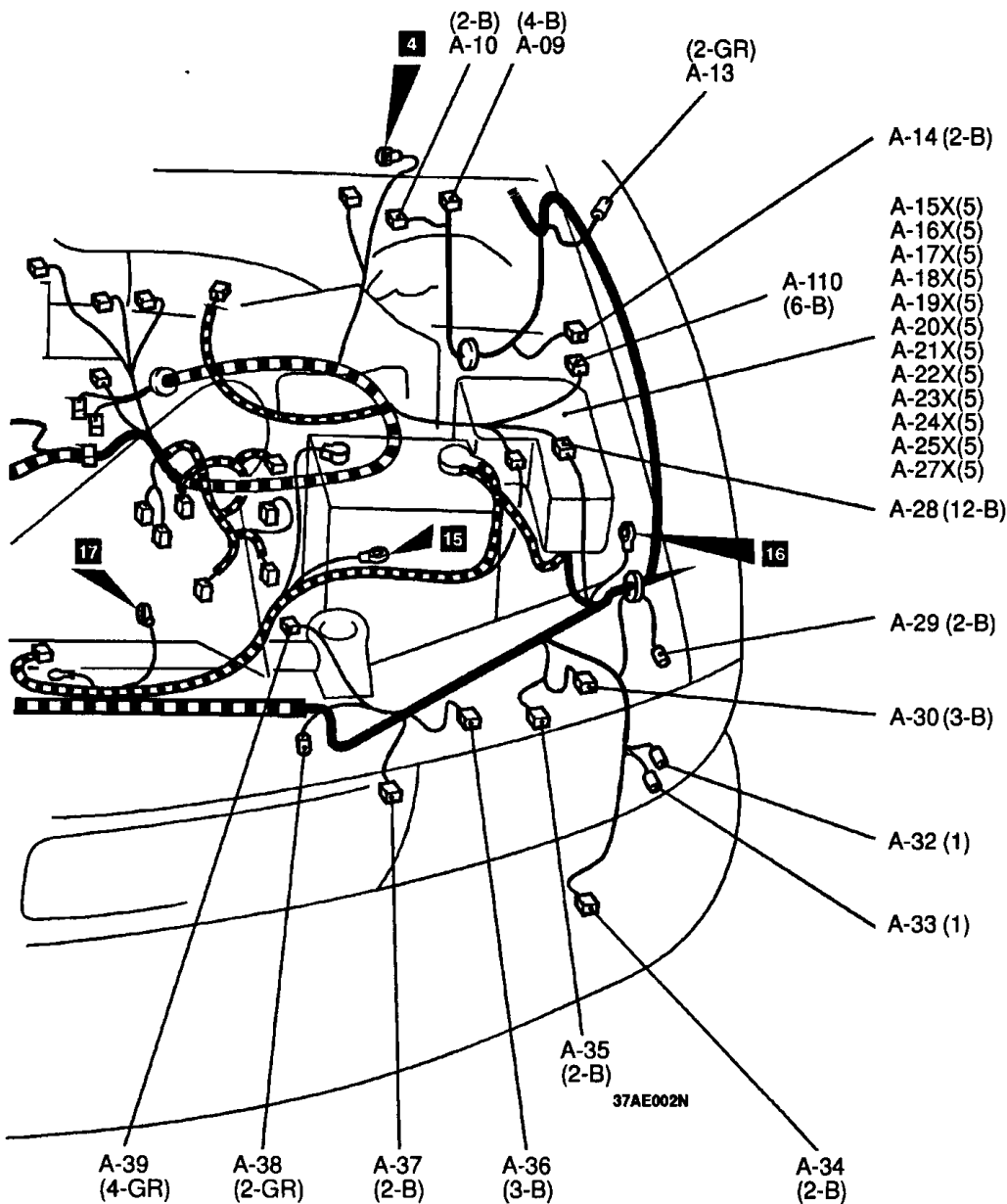
ENGINE COMPARTMENT

L.H. drive vehicles



A-03 Auto cruise actuator
 A-05 Front speed sensor (RH)
 A-07 Side turn signal lamp (RH)
 A-09 Windshield wiper motor
 A-10 Brake fluid level sensor
 A-11 Hydraulic unit <ABS>
 A-12 Motor relay <ABS>
 A-13 Side turn signal lamp (LH)
 A-14 Front speed sensor (LH)
 A-15X Power window relay
 A-16X A/C compressor relay
 A-17X Horn relay

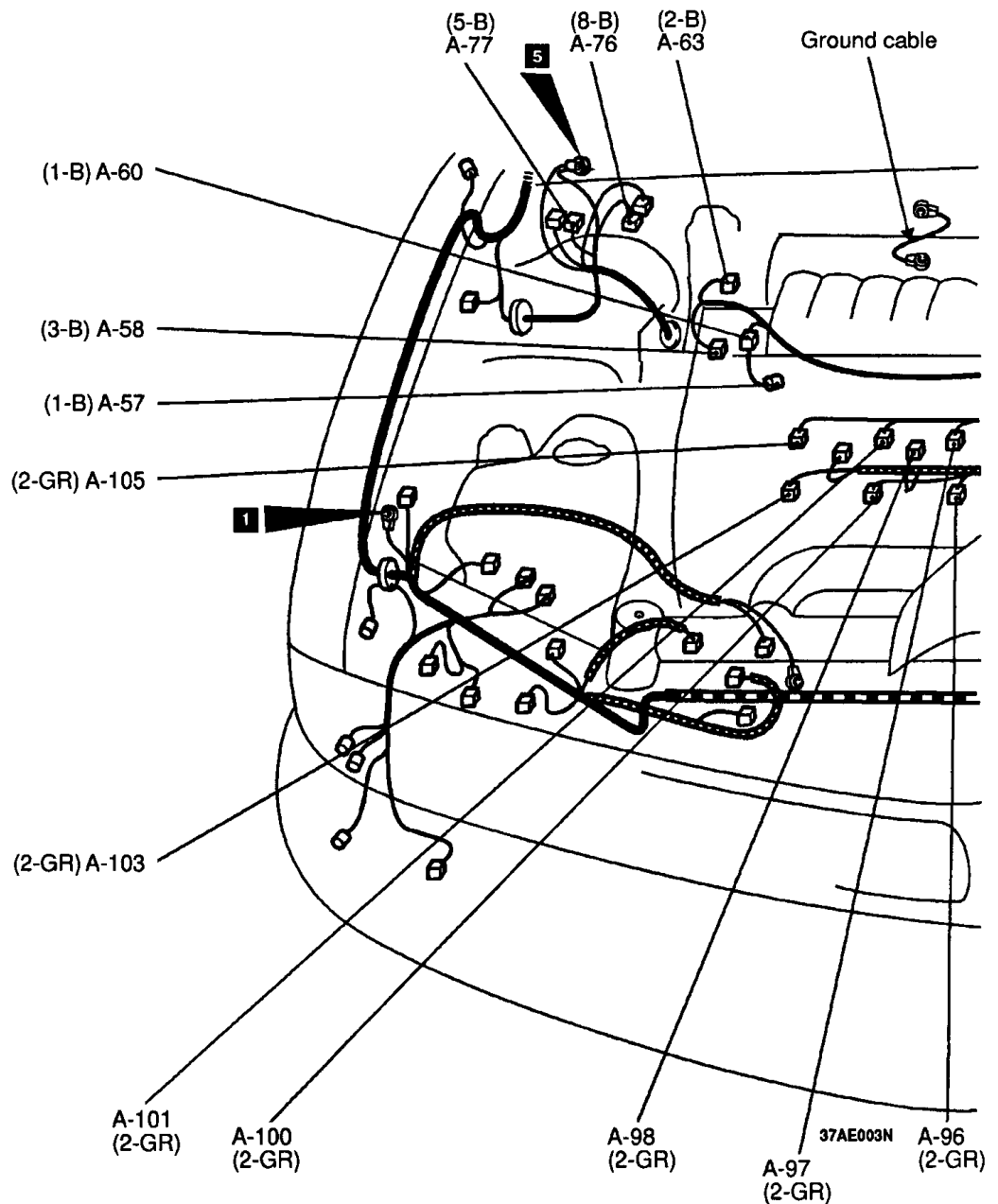
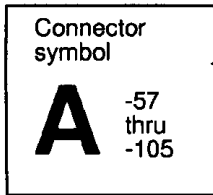
A-18X Fog lamp relay
 A-19X Alternator relay
 A-20X Condenser fan relay (LO)
 A-21X Condenser fan relay (HI)
 A-22X Radiator fan relay (LO)
 A-23X Tail lamp relay
 A-24X Headlamp relay (LO)
 A-25X Headlamp relay (HI)
 A-27X Radiator fan relay (HI)
 A-28 Connection of front and control harness
 A-29 Front turn signal lamp (LH)



A-30	Headlamp (LO: LH)	A-43	A/C compressor assembly
A-32	Horn (LH)	A-44	Oil pressure switch
A-33	Horn (LH)	A-45	Condenser fan motor
A-34	Fog lamp (LH)	A-46	Fog lamp (RH)
A-35	Position lamp (LH)	A-47	Headlamp (HI: RH)
A-36	Headlamp (HI: LH)	A-48	Position lamp (RH)
A-37	Air temperature sensor	A-49	Horn (RH)
A-38	Dual pressure switch	A-50	Horn (RH)
A-39	Radiator fan motor	A-51	Headlamp (LO: RH)
A-41	Alternator	A-53	Front turn signal lamp (RH)
A-42	Alternator	A-54	Windshield washer motor

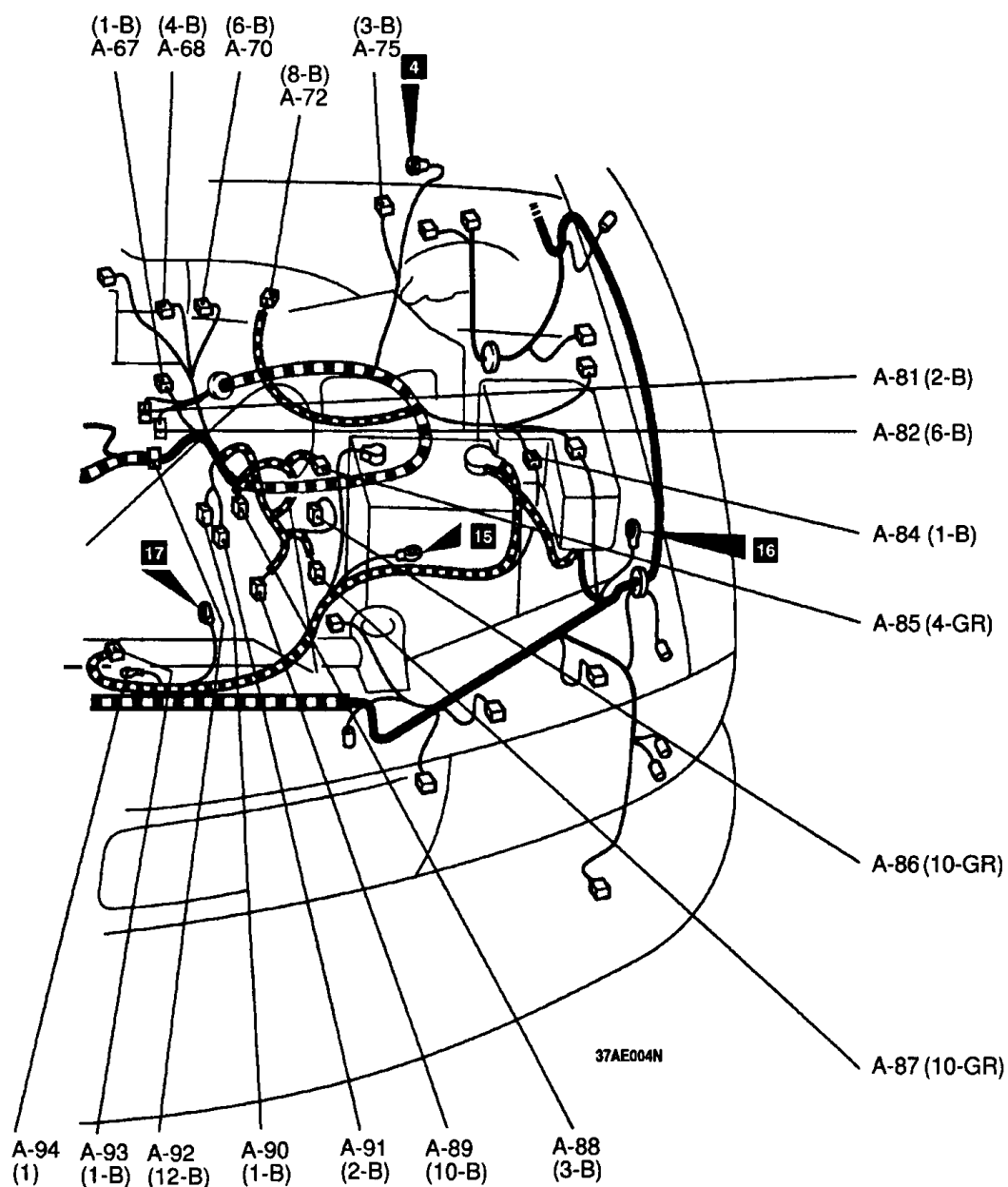
ENGINE COMPARTMENT

L.H. drive vehicles



A-57 Power steering oil pressure switch
 A-58 Crank angle sensor
 A-60 Connection of control harness and power steering harness
 A-67 Condenser
 A-68 Throttle position sensor
 A-70 Idle speed control servo
 A-72 Air flow sensor
 A-75 Checking connector (for checking engine RPM, checking fuel pump)

A-76 Hydraulic unit <ABS>
 A-77 Valve relay <ABS>
 A-82 Distributor assembly
 A-84 Connection of control harness and battery harness
 A-85 Output shaft speed sensor
 A-86 Input shaft speed sensor

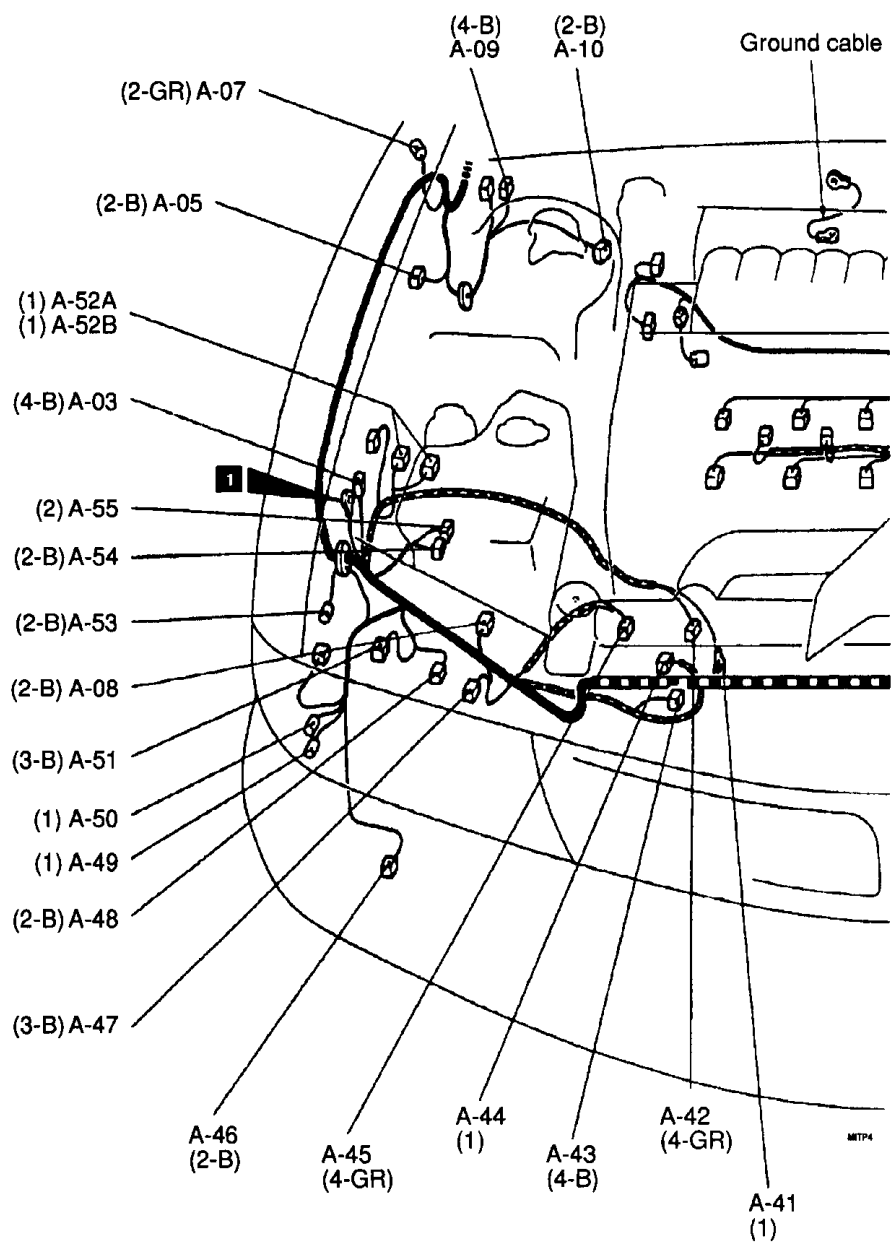
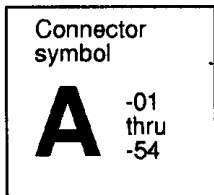


A-87 A/T control solenoid valve assembly
 A-88 Vehicle speed sensor
 A-89 Inhibitor switch
 A-90 Water temperature gauge unit
 A-91 Water temperature sensor
 A-92 Connection of control harness and injector harness
 A-93 Starter

A-94 Starter
 A-96 Injector (No.6)
 A-97 Injector (No.5)
 A-98 EGR solenoid valve
 A-100 Injector (No.4)
 A-101 Injector (No.3)
 A-103 Injector (No.2)
 A-105 Injector (No.1)

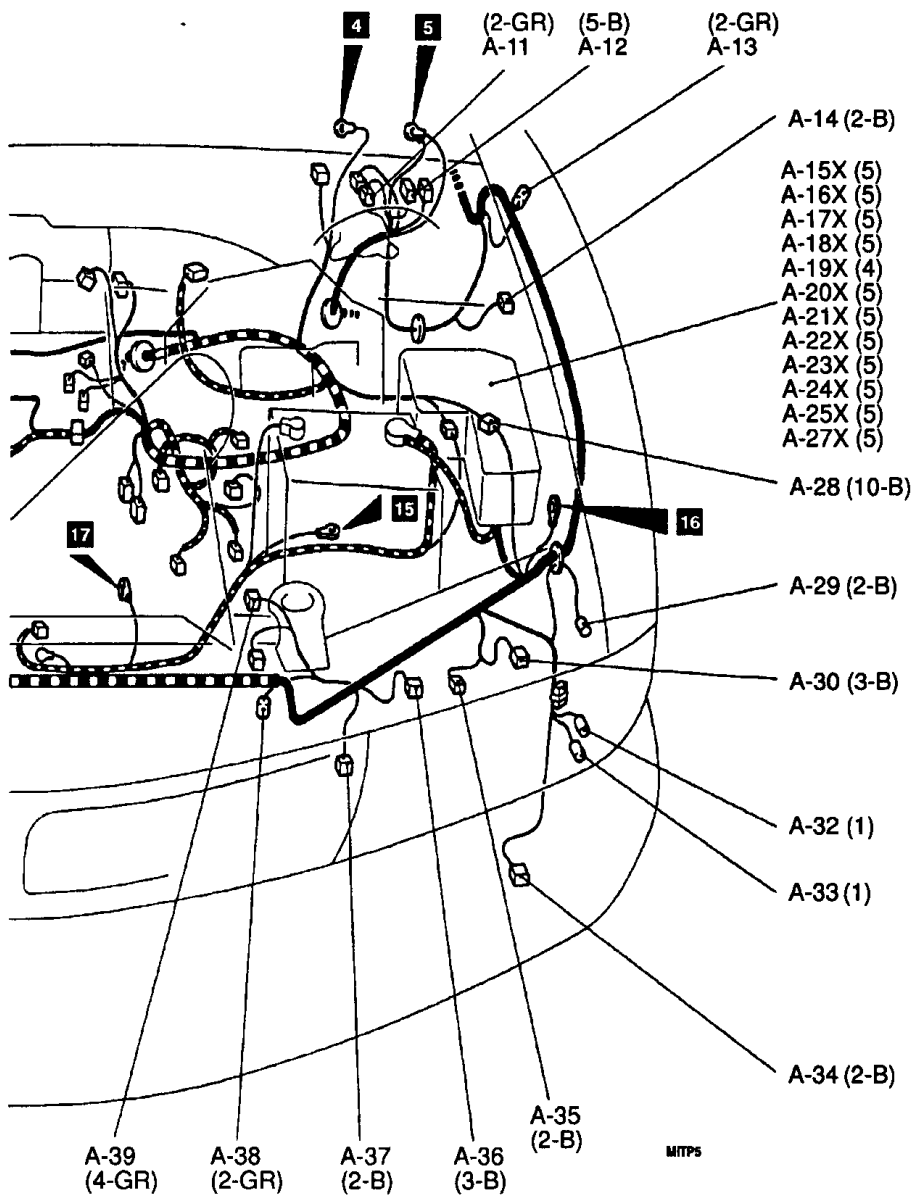
ENGINE COMPARTMENT

R.H. drive vehicles



A-03 Auto cruise actuator
 A-05 Front speed sensor (RH)
 A-07 Side turn signal lamp (RH)
 A-09 Windshield wiper motor
 A-10 Brake fluid level sensor
 A-11 Hydraulic unit <ABS>
 A-12 Motor relay <ABS>
 A-13 Side turn signal lamp (LH)
 A-14 Front speed sensor (LH)
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 A-17X Horn relay

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 A-23X Tail lamp relay
 A-24X Headlamp relay (LO)
 A-25X Headlamp relay (HI)
 A-27X Radiator fan relay (HI)
 A-28 Connection of front and control harness
 A-29 Front turn signal lamp (LH)

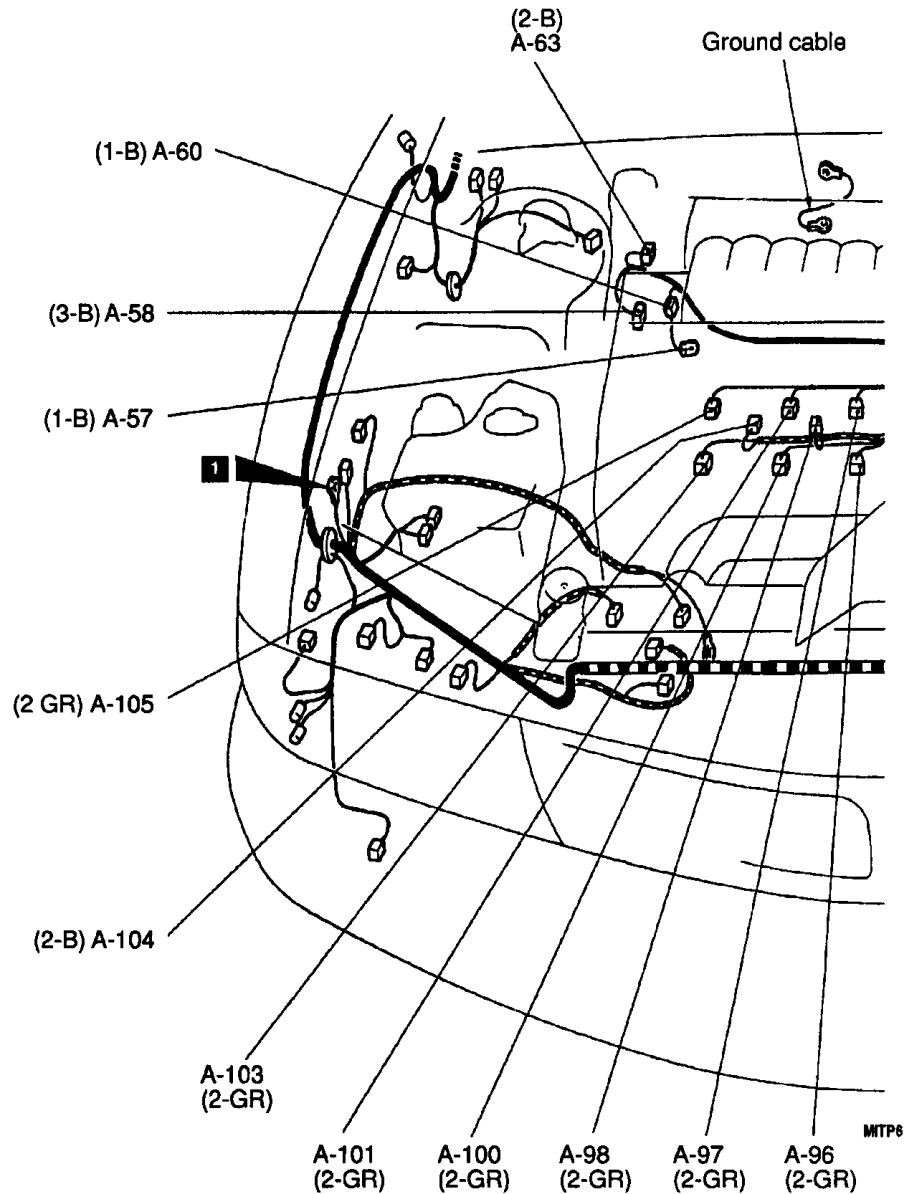
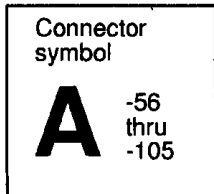


A-30 Headlamp (LO: LH)
 A-32 Horn (LH)
 A-33 Horn (LH)
 A-34 Fog lamp (LH)
 A-35 Position lamp (LH)
 A-36 Headlamp (HI: LH)
 A-37 Air temperature sensor
 A-38 Dual pressure switch
 A-39 Radiator fan motor
 A-41 Alternator
 A-42 Alternator

A-43 A/C compressor assembly
 A-44 Oil pressure switch
 A-45 Condenser fan motor
 A-46 Fog lamp (RH)
 A-47 Headlamp (HI: RH)
 A-48 Position lamp (RH)
 A-49 Horn (RH)
 A-50 Horn (RH)
 A-51 Headlamp (LO: RH)
 A-53 Front turn signal lamp (RH)
 A-54 Windshield washer motor

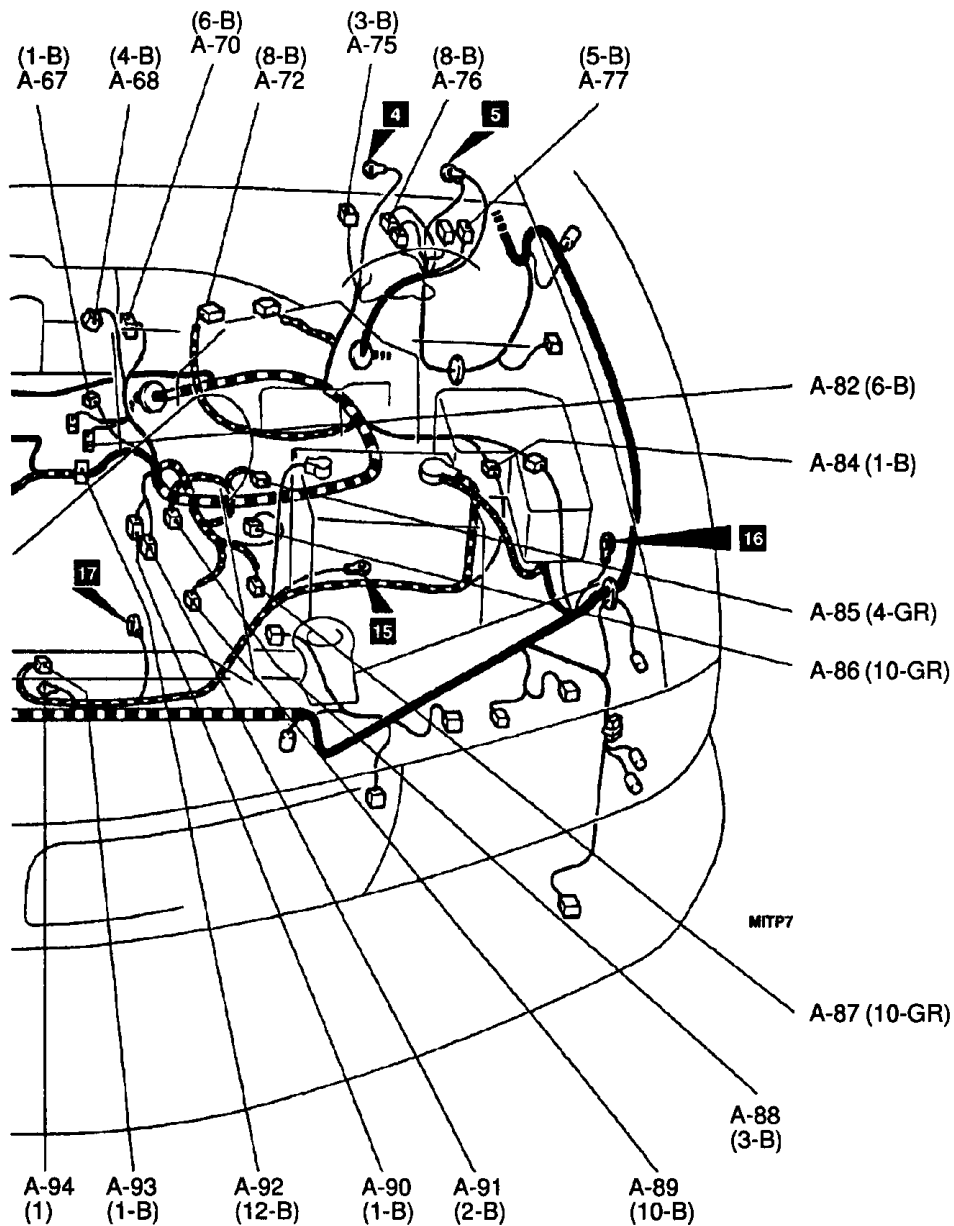
ENGINE COMPARTMENT

R.H. drive vehicles



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 A-72 Air flow sensor

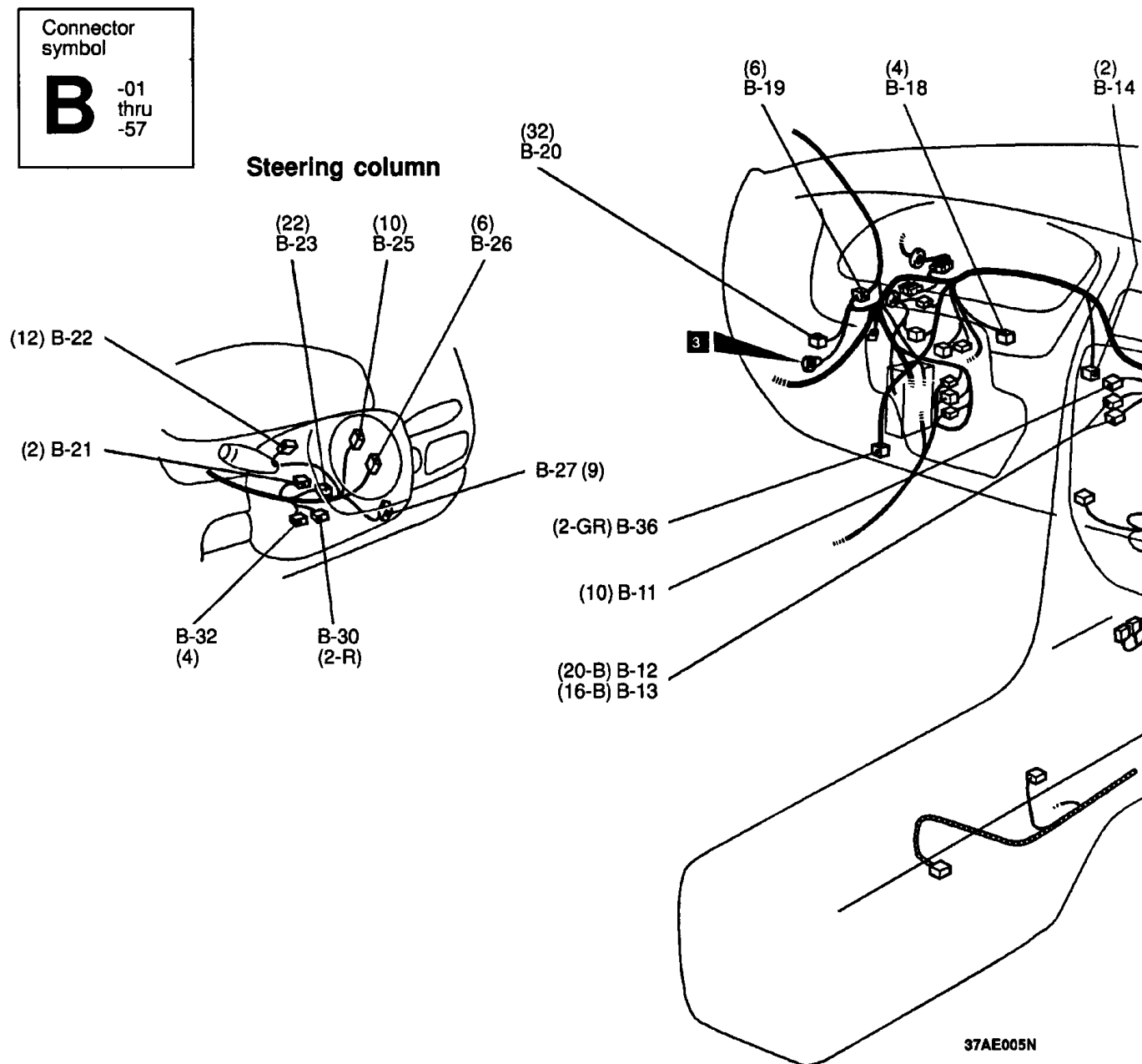
A-75 Checking connector (for checking engine RPM, checking fuel pump)
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 A-82 Distributor assembly
 A-84 Connection of control harness and battery harness
 A-85 Output shaft speed sensor
 A-86 Input shaft speed sensor



A-87	A/T control solenoid valve assembly	A-94	Starter
A-88	Vehicle speed sensor	A-96	Injector (No.6)
A-89	Inhibitor switch	A-97	Injector (No.5)
A-90	Water temperature gauge unit	A-98	EGR solenoid valve
A-91	Water temperature sensor	A-100	Injector (No.4)
A-92	Connection of control harness and injector harness	A-101	Injector (No.3)
A-93	Starter	A-103	Injector (No.2)
		A-105	Injector (No.1)

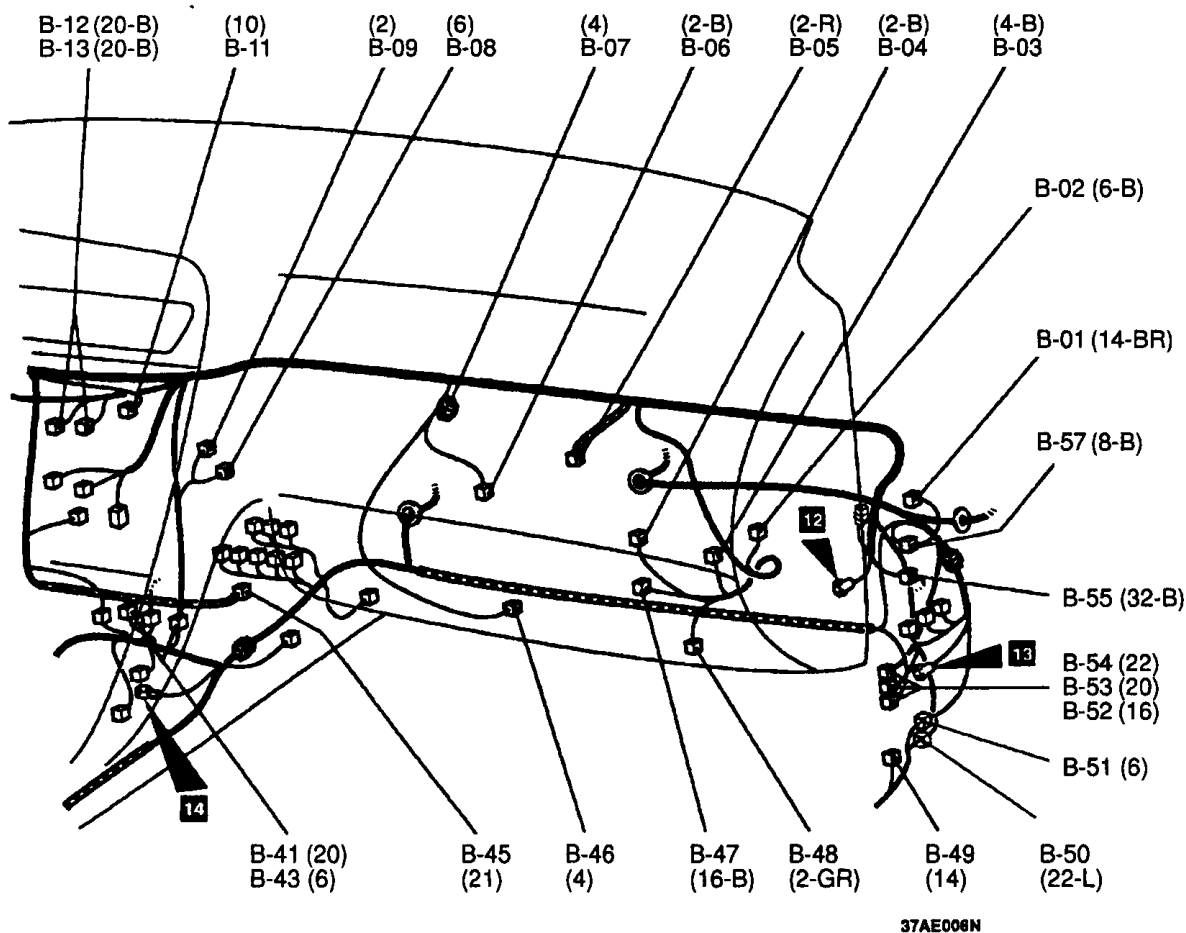
DASH PANEL

L.H. drive vehicles



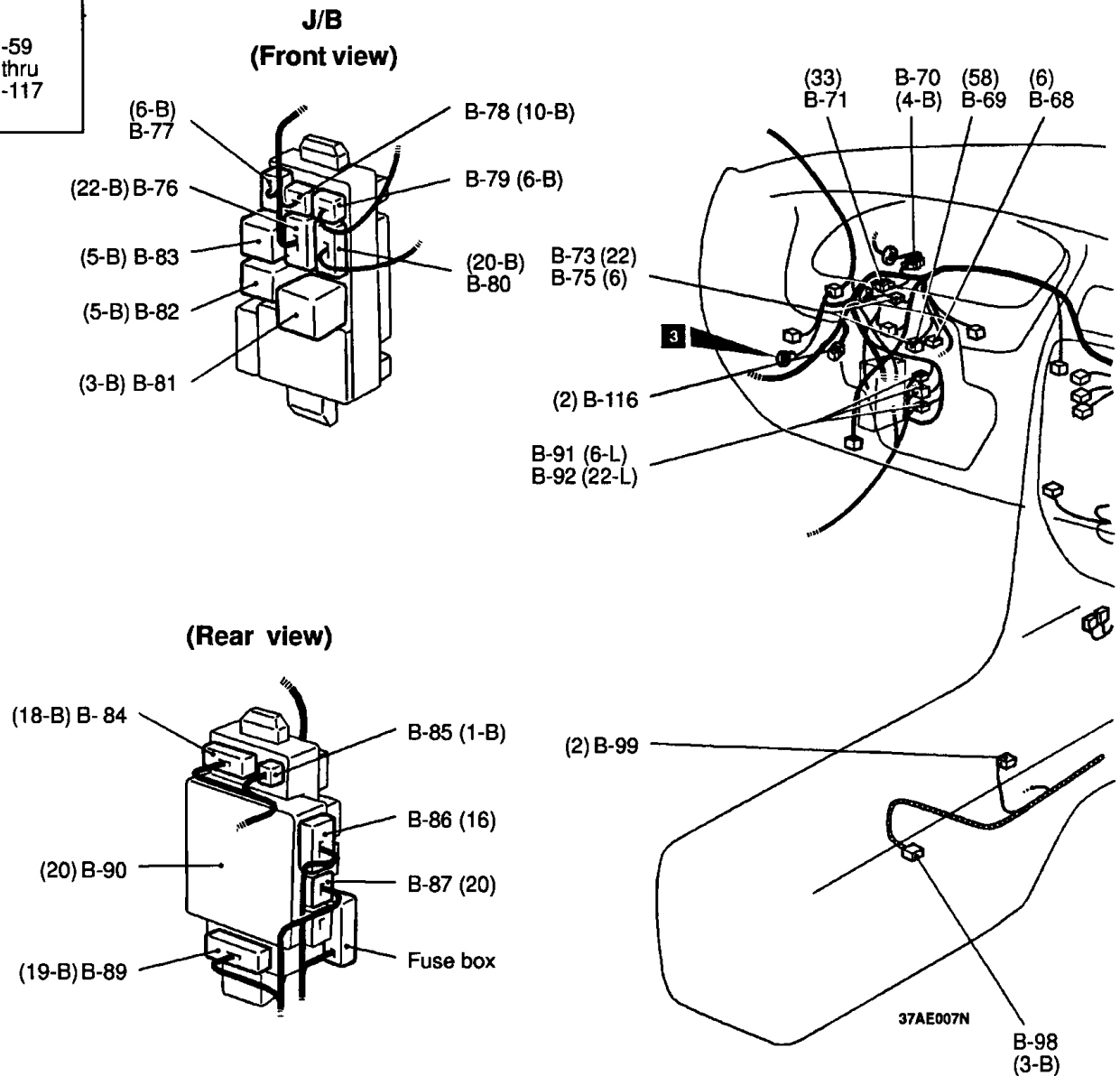
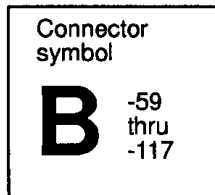
B-01 Connection of dash harness and ABS harness
 B-02 Inside and outside air switching damper motor
 B-03 Blower motor HI relay
 B-04 Blower motor
 B-05 Air bag module (passenger side)
 B-06 Fin thermo sensor
 B-08 Air mixing damper motor/potentiometer
 B-09 Water temperature sensor (for A/C)
 B-11 Hazard switch
 B-12 A/C-ECU
 B-13 A/C-ECU
 B-14 Parking brake switch

B-17 Stop lamp switch or vacant terminal
 B-18 Stop lamp switch or vacant terminal
 B-19 Connection of dash harness and roof harness
 B-20 Connection of dash harness and front door harness (LH)
 B-21 Ignition key cylinder illumination lamp
 B-22 Column switch
 B-23 Instrument panel ECU
 B-25 Column switch
 B-26 Column switch
 B-27 Column switch



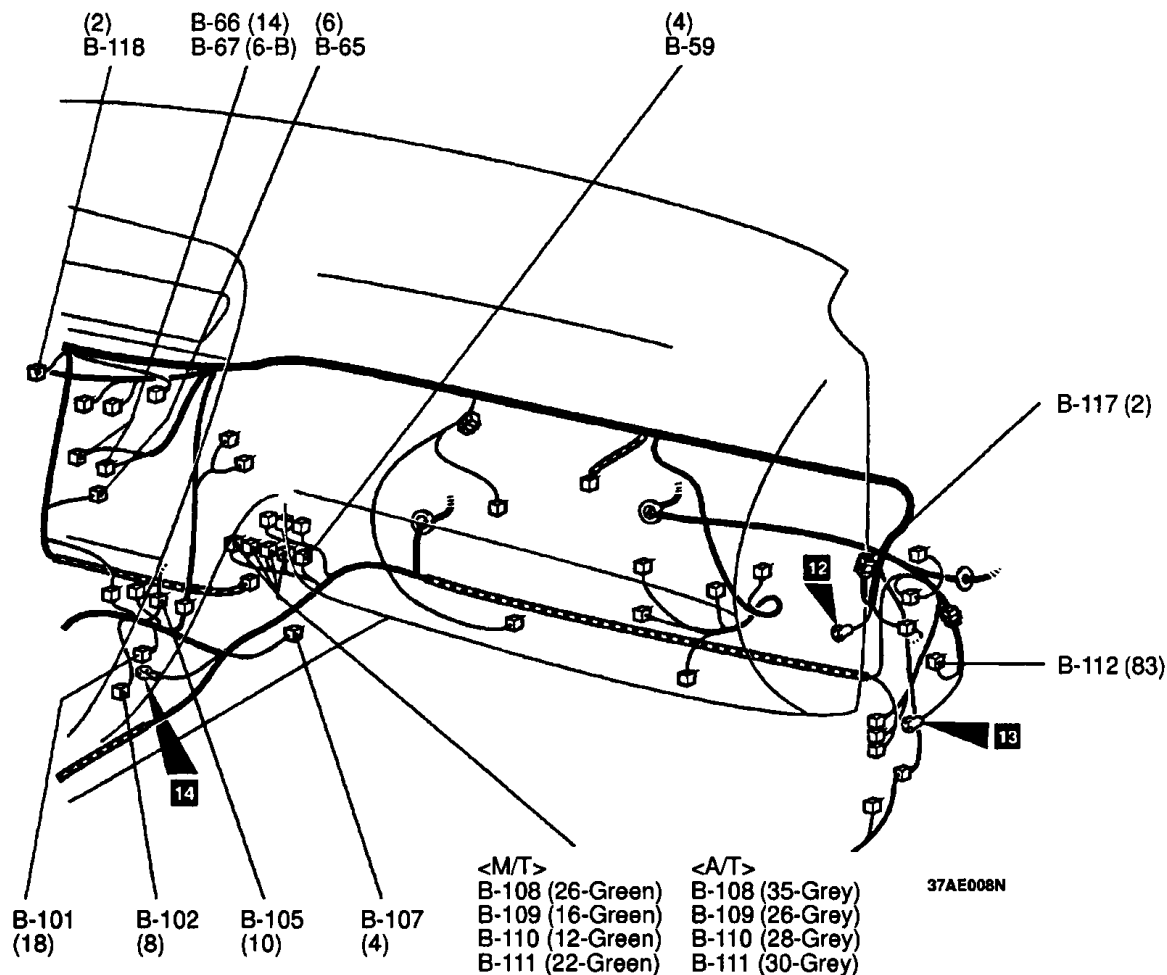
B-30 Clock spring
 B-32 Clock spring
 B-36 Foot lamp (LH)
 B-37 Diagnosis connector
 B-41 Connection of dash harness and control harness
 B-43 Connection of dash harness and control harness
 B-45 SRS-ECU
 B-46 Power transistor
 B-47 A/C belt locking ECU
 B-48 Foot lamp (RH)
 B-49 Assist ECU

B-50 Connection of dash harness and floor harness (RH)
 B-51 Connection of ABS harness and floor harness (RH)
 B-52 Assist ECU
 B-53 Assist ECU
 B-54 Assist ECU
 B-55 Connection of dash harness and front door harness (RH)
 B-57 Connection of ABS harness and front harness

DASH PANEL**L.H. drive vehicles**

B-59 A/T control relay
 B-65 Mode selector damper motor/potentiometer
 B-66 Radio and tape player
 B-67 Radio and tape player
 B-68 Ignition switch
 B-69 Key reminder switch
 B-70 Diode (for cooling circuit)
 B-71 J/C (5)
 B-73 Connection of front harness and dash harness
 B-75 Connection of front harness and dash harness
 B-76 Connection of dash harness and J/B

B-77 Connection of dash harness and J/B
 B-78 Connection of dash harness and J/B
 B-79 Connection of roof harness and J/B
 B-80 Connection of instrument panel harness and J/B
 B-81 Turn hazard flasher
 B-82 Defogger relay
 B-83 Blower relay
 B-84 Connection of front harness and J/B
 B-85 Connection of front harness and J/B
 B-86 ETACS-ECU

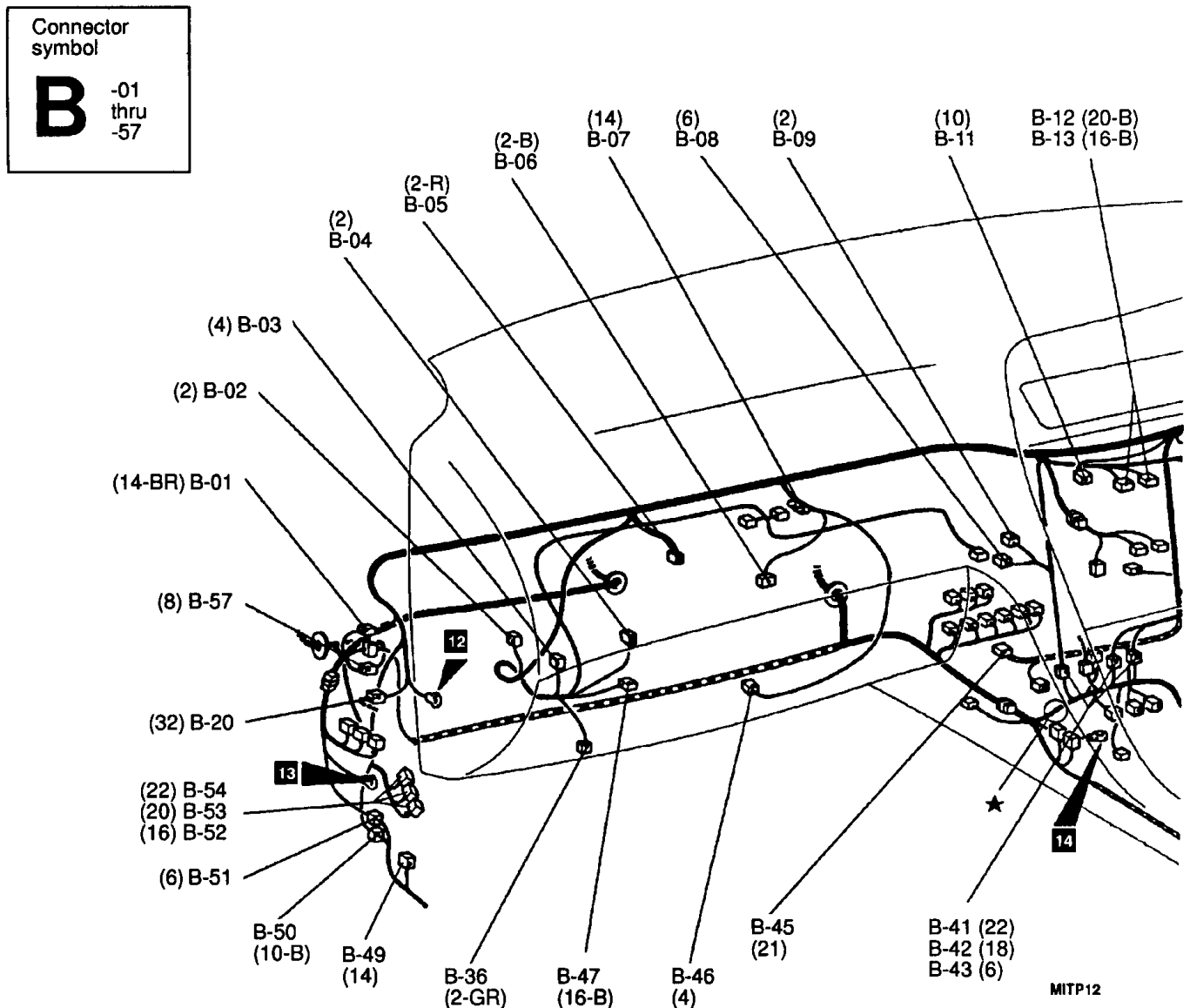


B-87 ETACS-ECU
 B-89 Connection of floor harness and J/B
 B-90 ETACS-ECU
 B-91 Connection of floor harness and dash harness
 B-92 Connection of floor harness and dash harness
 B-99 Position indicator lamp assembly
 B-101 Auto Cruise ECU
 B-102 Engine control relay
 B-103 Fuel pump relay
 B-105 Connection of instrument panel harness and control harness
 B-107 O₂ sensor

B-108 Engine-ECU <M/T> or engine-
 A/T-ECU <A/T>
 B-109 Engine-ECU <M/T> or engine-
 A/T-ECU <A/T>
 B-110 Engine-ECU <M/T> or engine-
 A/T-ECU <A/T>
 B-111 Engine-ECU <M/T> or engine-
 A/T-ECU <A/T>
 B-112 ABS-ECU
 B-116 Diode (for door lamp)
 B-117 Diode (for door lamp)
 B-118 Speed alarm

DASH PANEL

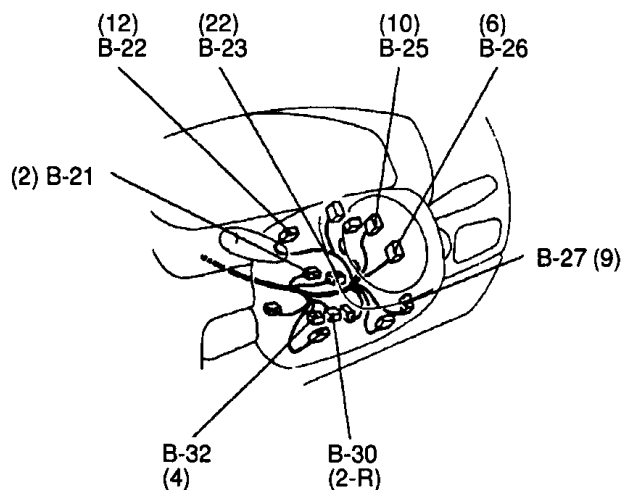
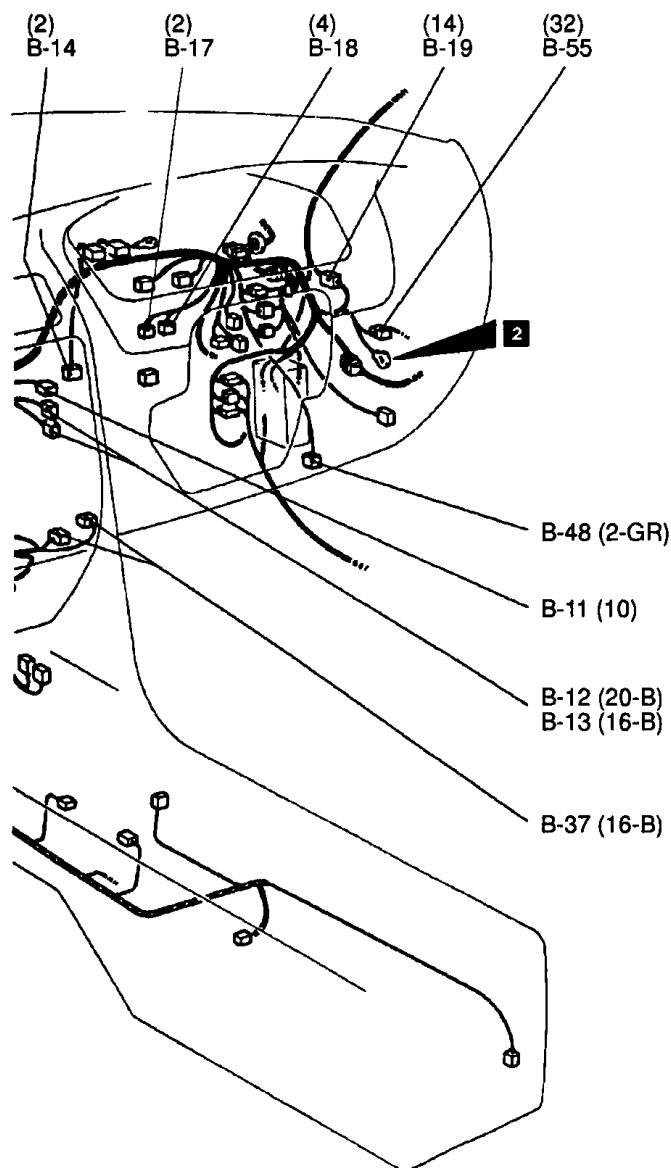
R.H. drive vehicles



B-01 Connection of dash harness and ABS harness
 B-02 Inside and outside air switching damper motor
 B-03 Blower motor HI relay
 B-04 Blower motor
 B-05 Air bag module (passenger side)
 B-06 Fin thermo sensor
 B-07 A/C sub harness
 B-08 Air mixing damper motor/potentiometer
 B-09 Water temperature sensor (for A/C)
 B-11 Hazard switch
 B-12 A/C-ECU
 B-13 A/C-ECU

B-14 Parking brake switch
 B-17 Stop lamp switch or vacant terminal
 B-18 Stop lamp switch or vacant terminal
 B-19 Connection of dash harness and roof harness
 B-20 Connection of dash harness and front door harness (LH)
 B-21 Ignition key cylinder illumination lamp
 B-22 Column switch
 B-23 Instrument panel ECU
 B-25 Column switch
 B-26 Column switch
 B-27 Column switch

Steering column



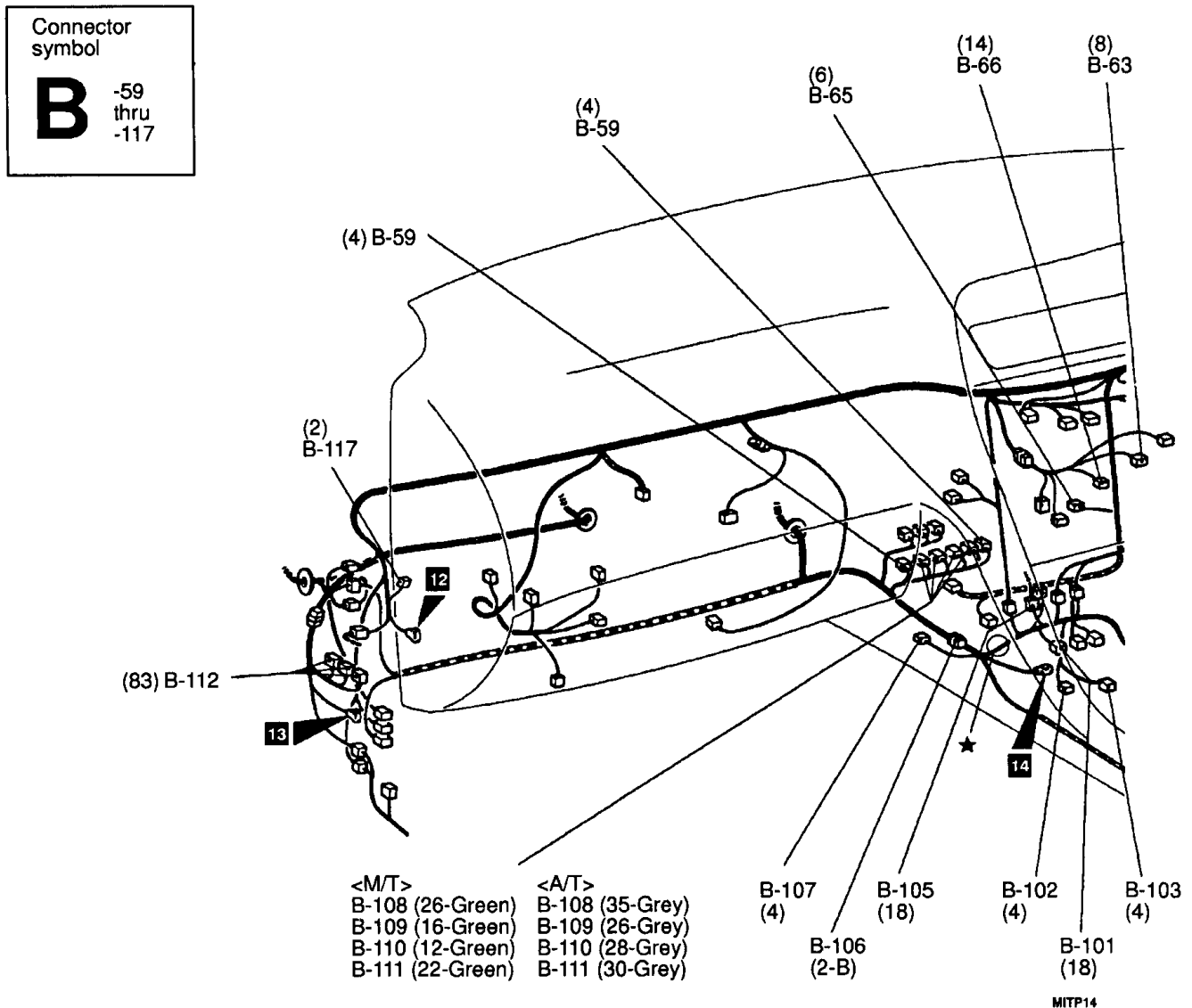
MITP13

B-30 Clock spring
 B-32 Clock spring
 B-36 Foot lamp (LH)
 B-37 Diagnosis connector
 B-41 Connection of dash harness and control harness
 B-42 Connection of dash harness and control harness
 B-43 Connection of dash harness and control harness
 B-45 SRS-ECU
 B-46 Power transistor
 B-47 A/C belt locking ECU

B-48 Foot lamp (RH)
 B-49 Assist ECU
 B-50 Connection of dash harness and floor harness (LH)
 B-51 Connection of ABS harness and floor harness (LH)
 B-52 Assist ECU
 B-53 Assist ECU
 B-54 Assist ECU
 B-55 Connection of dash harness and front door harness (RH)
 B-57 Connection of ABS harness and front harness

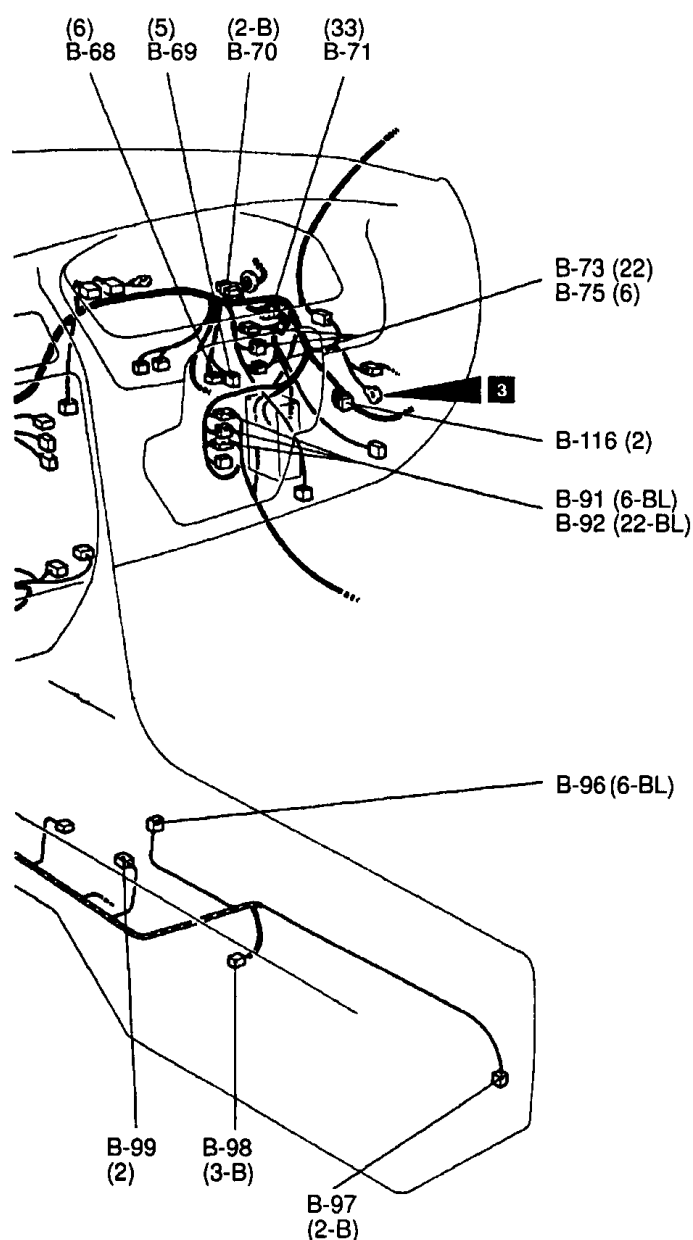
DASH PANEL

R.H. drive vehicles

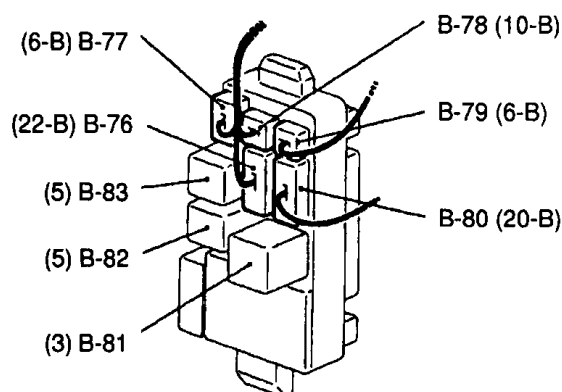


B-59 A/T control relay
 B-65 Mode selector damper motor/potentiometer
 B-66 Radio and tape player
 B-67 Radio and tape player
 B-68 Ignition switch
 B-69 Key reminder switch
 B-70 Diode (for cooling circuit)
 B-71 J/C (5)
 B-73 Connection of front harness and dash harness
 B-75 Connection of front harness and dash harness
 B-76 Connection of dash harness and J/B

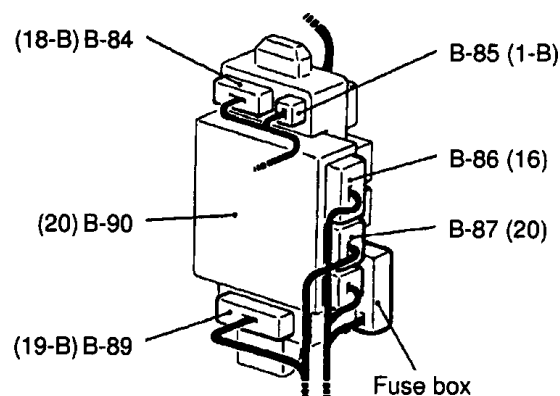
B-77 Connection of dash harness and J/B
 B-78 Connection of dash harness and J/B
 B-79 Connection of roof harness and J/B
 B-80 Connection of instrument panel harness and J/B
 B-81 Turn/hazard flasher unit
 B-82 Defogger relay
 B-83 Blower relay
 B-84 Connection of front harness and J/B
 B-85 Connection of front harness and J/B
 B-86 ETACS-ECU



**J/B
(Front view)**



(Rear view)



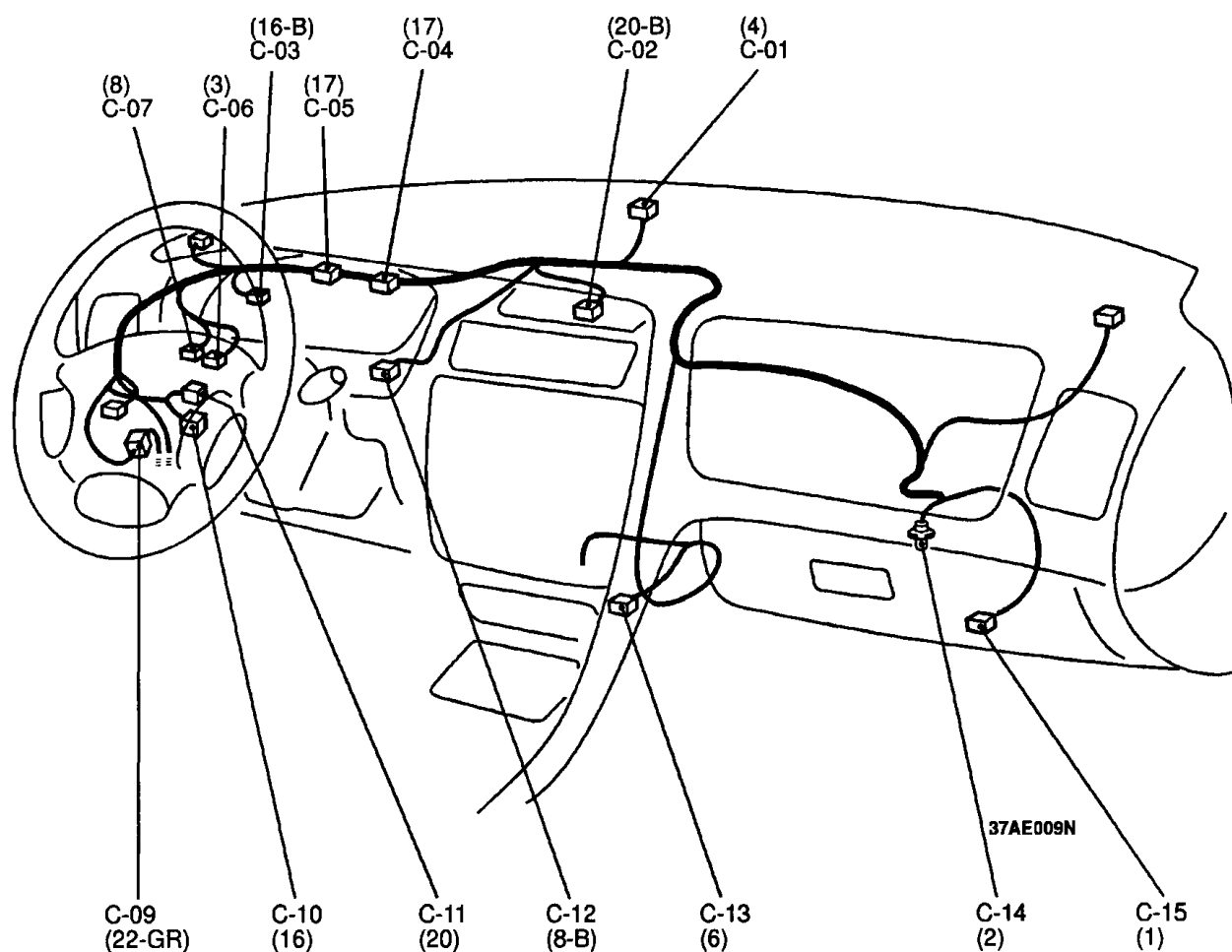
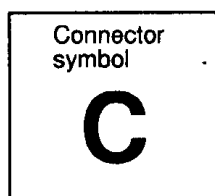
MTP15

- B-87 ETACS-ECU
- B-89 Connection of floor harness and J/B
- B-90 ETACS-ECU
- B-91 Connection of floor and dash harness
- B-92 Connection of floor and dash harness
- B-99 Position indicator lamp assembly
- B-101 Auto Cruise ECU
- B-102 Engine control relay
- B-103 Fuel pump relay
- B-105 Connection of instrument panel and control harness
- B-107 O₂ sensor

- B-108 Engine-ECU <M/T> or engine-A/T-ECU <A/T>
- B-109 Engine-ECU <M/T> or engine-A/T-ECU <A/T>
- B-110 Engine-ECU <M/T> or engine-A/T-ECU <A/T>
- B-111 Engine-ECU <M/T> or engine-A/T-ECU <A/T>
- B-112 ABS-ECU
- B-116 Diode (for door lamp circuit)
- B-117 Diode (for door lamp circuit)

INSTRUMENT PANEL

L.H. drive vehicles

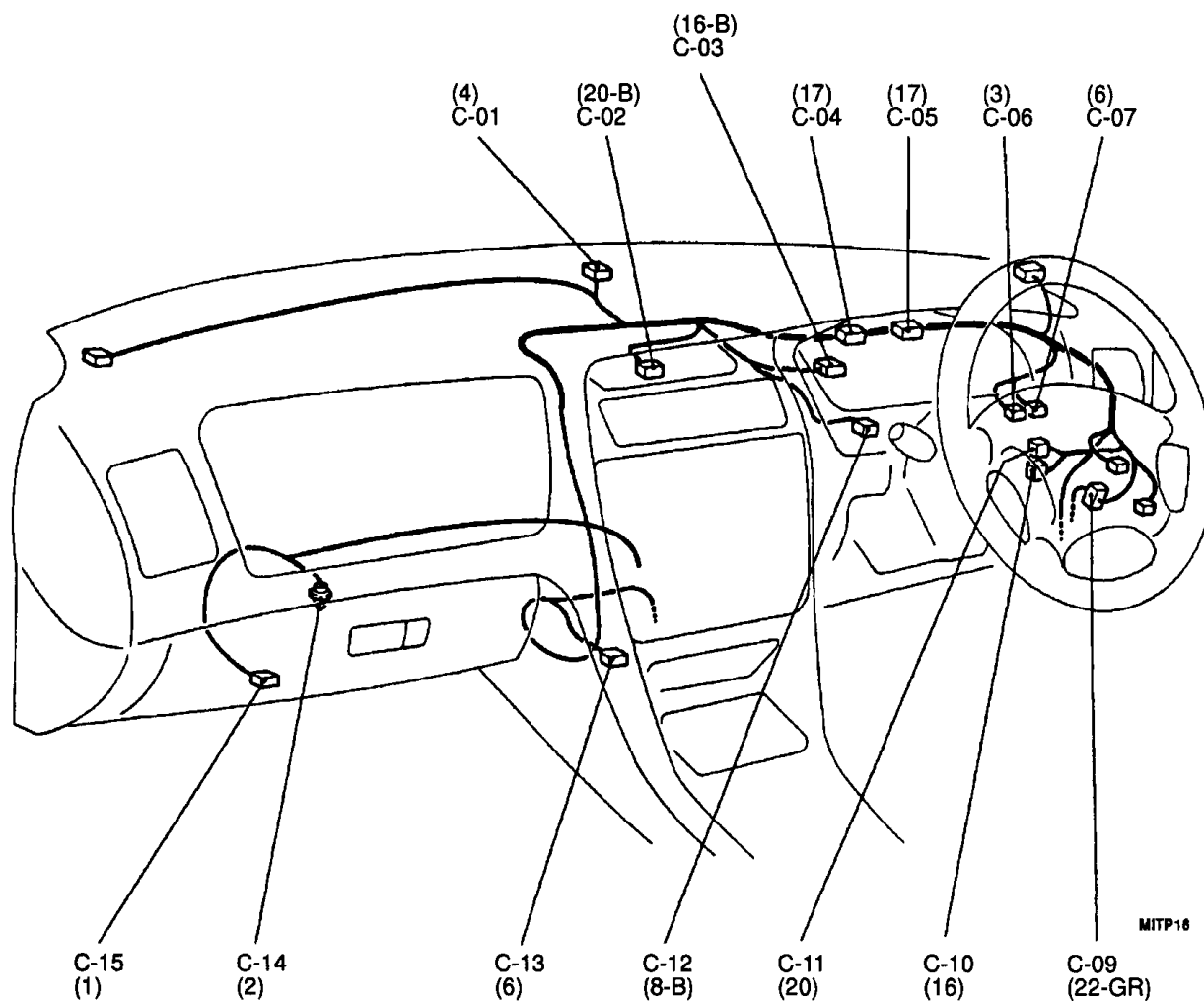
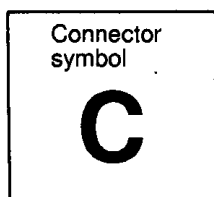


C-01 Sunlight sensor
 C-02 Centre warning display
 C-03 Combination meter
 C-04 Combination meter
 C-05 Combination meter <standard meter>
 C-06 Rheostat
 C-07 Cruise control main switch

C-09 Connection of instrument panel and dash harness
 C-10 Instrument panel ECU
 C-11 Instrument panel ECU
 C-12 Clock setting switch
 C-13 Ashtray
 C-14 Glove box lamp
 C-15 Glove box lamp switch

INSTRUMENT PANEL

R.H. drive vehicles

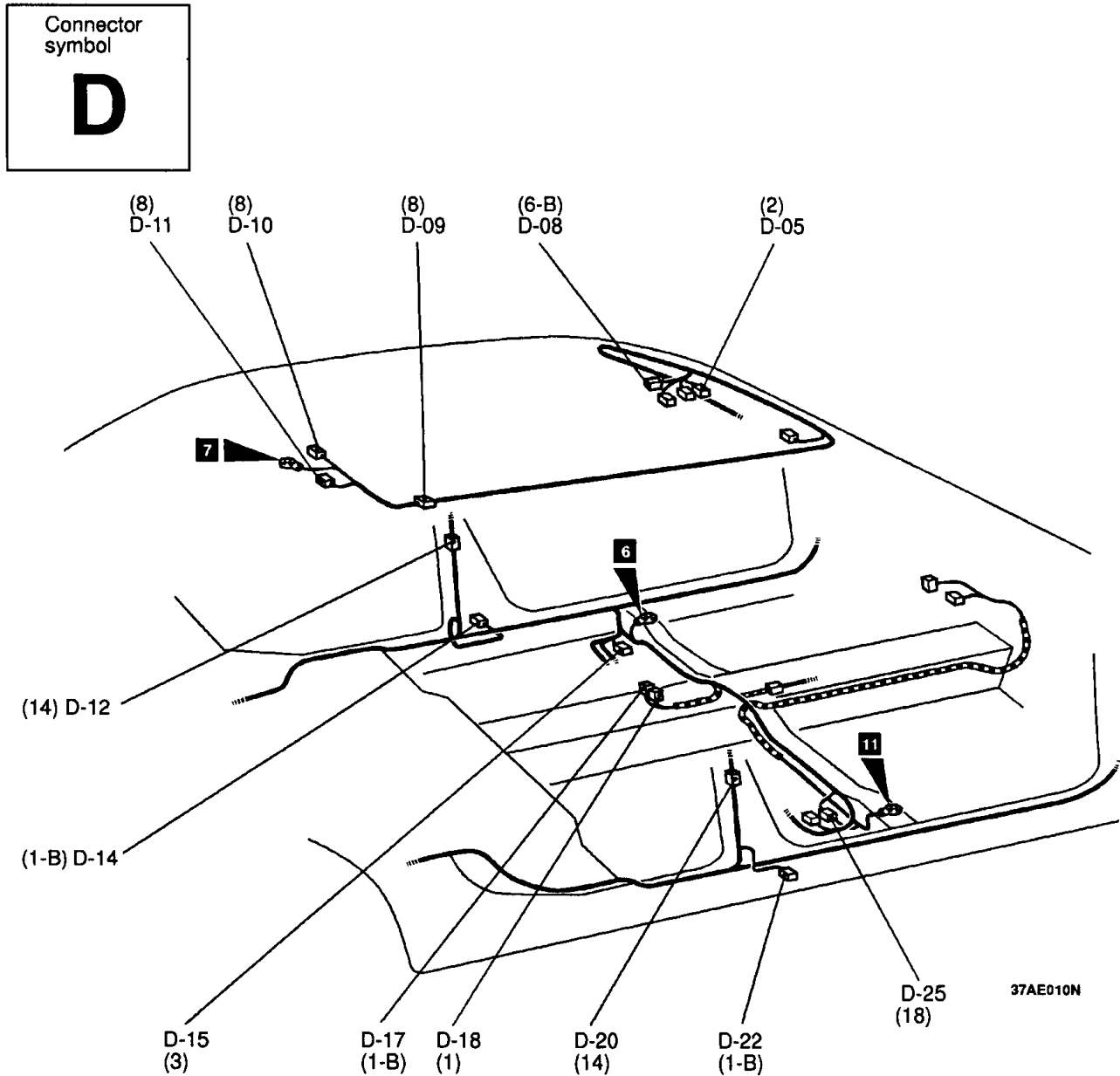


MITP16

C-01	Sunlight sensor	C-09	Connection of instrument panel and dash harness
C-02	Centre warning display	C-10	Instrument panel ECU
C-03	Combination meter	C-11	Instrument panel ECU
C-04	Combination meter	C-12	Clock setting switch
C-05	Combination meter <standard meter>	C-13	Ashtray
C-06	Rheostat	C-14	Glove box lamp
C-07	Cruise control main switch	C-15	Glove box lamp switch

FLOOR AND ROOF

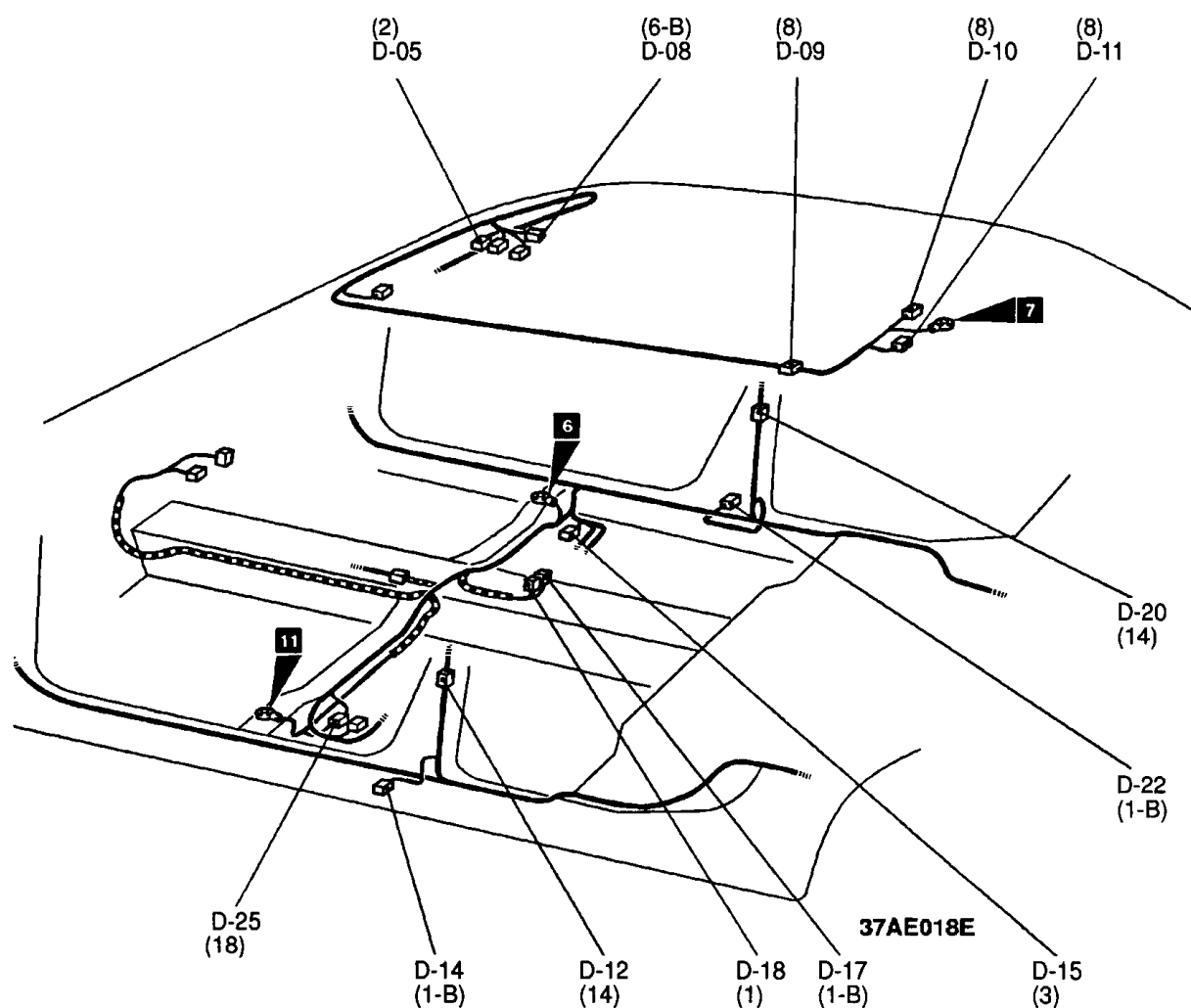
L.H. drive vehicles



D-05	Room lamp	D-14	Front door switch (LH)
D-08	Sunroof switch	D-15	Seat belt switch
D-09	Connection of roof harness and sunroof harness	D-17	Accessory socket
D-10	Sunroof motor	D-18	Accessory socket
D-11	Sunroof ECU	D-20	Connection of floor (RH) and rear door harnesses (RH)
D-12	Connection of floor harness (LH) and rear door harness (LH)	D-22	Front door switch (RH)
		D-25	Connection of floor (RH) and floor (LH) harness

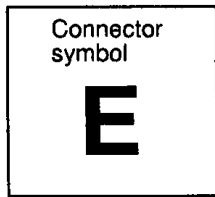
FLOOR AND ROOF

R.H. drive vehicles

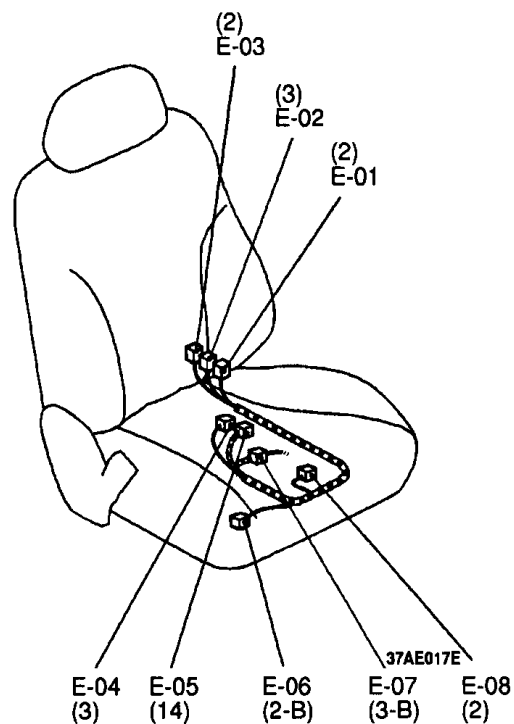
Connector
symbol**D**

D-05	Room lamp	D-15	Seat belt switch
D-08	Sunroof switch	D-17	Accessory socket
D-09	Connection of roof and sunroof harness	D-18	Accessory socket
D-10	Sunroof motor	D-20	Connection of floor (RH) and rear door harness (RH)
D-11	Sunroof ECU	D-22	Front door switch (RH)
D-12	Connection of floor (LH) and rear door harnesses (LH)	D-25	Connection of floor (RH) and floor (LH) harness
D-14	Front door switch (LH)		

SEAT

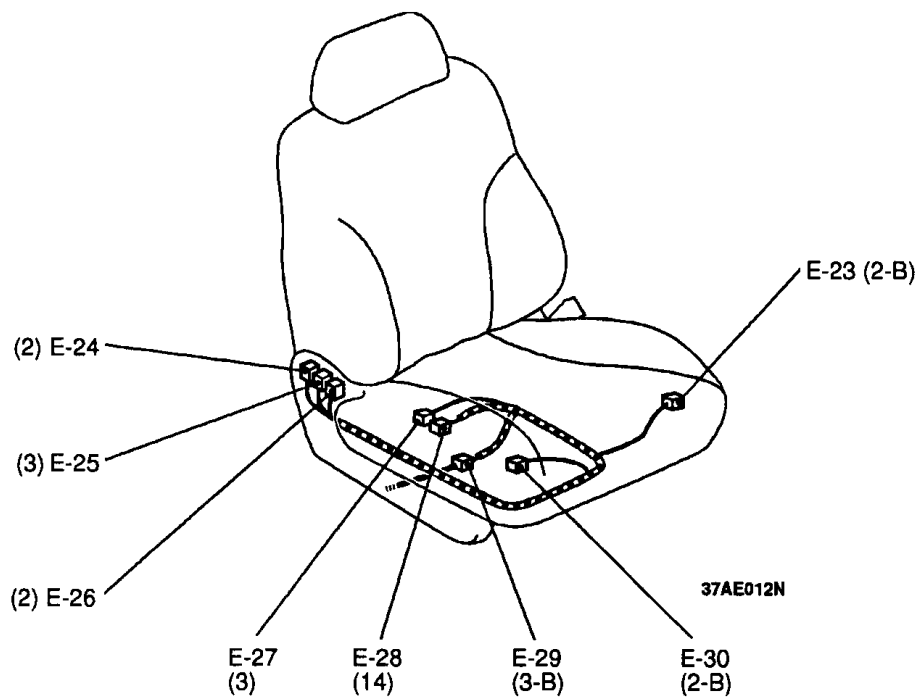


Driver's seat



E-01 Rear height motor (driver's seat)
 E-02 Rear height limit switch (driver's seat)
 E-03 Seat back reclining motor (driver's seat)
 E-04 Front height limit switch (driver's seat)
 E-05 Manual power seat switch (driver's seat)

E-06 Seat cushion slide motor (driver's seat)
 E-07 Connection of floor harness (LH) and power seat harness (driver's seat)
 E-08 Front height motor (driver's seat)

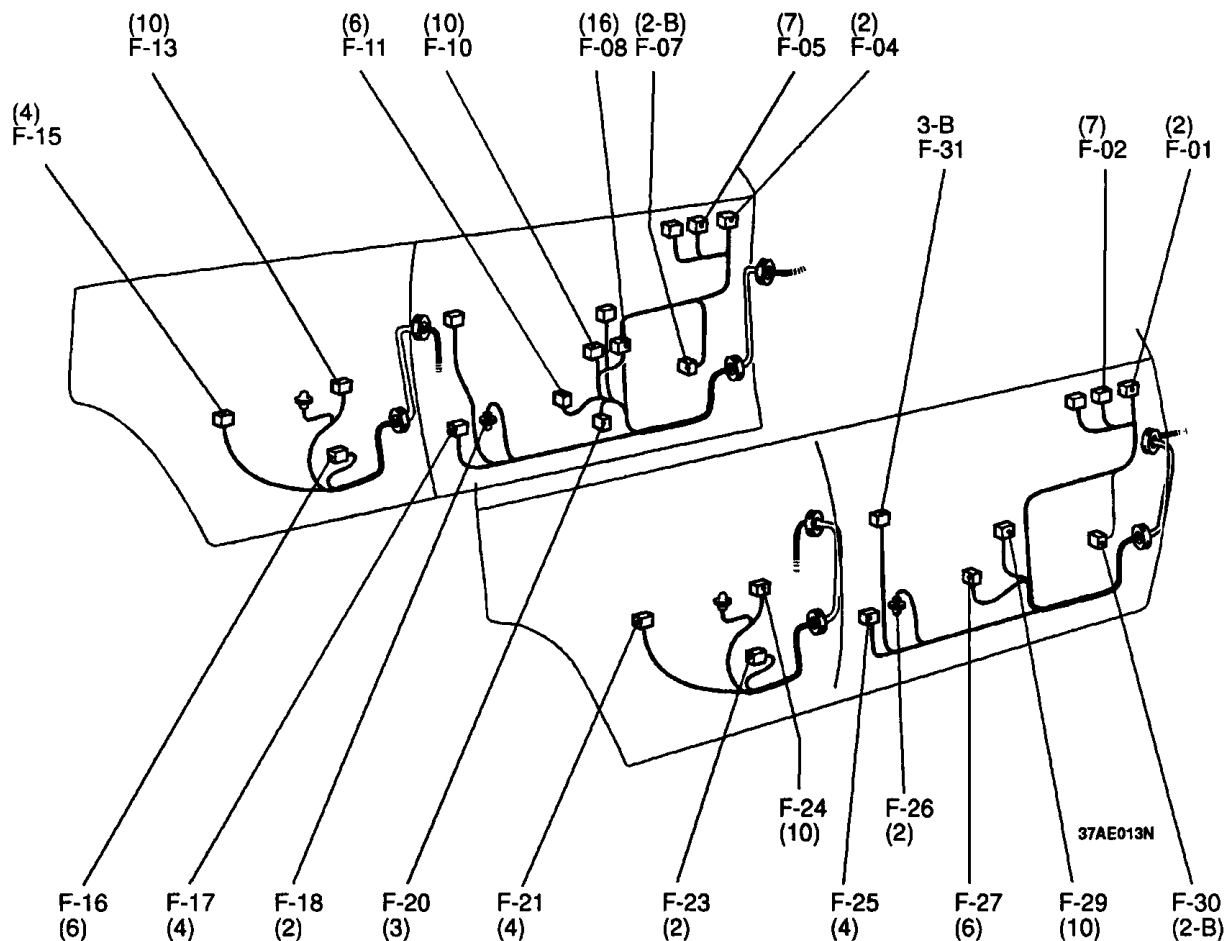
Front passengers seat

E-23 Seat cushion slide motor (front passenger seat)
E-24 Seat back reclining motor (front passenger seat)
E-25 Rear height limit switch (front passenger seat)
E-26 Rear height motor (front passenger seat)
E-27 Front height limit switch (front passenger seat)

E-28 Manual power seat switch (front passenger seat)
E-29 Connection of floor harness (LH) and power seat harness (front passenger seat)
E-30 Front height motor (front passenger seat)

DOOR

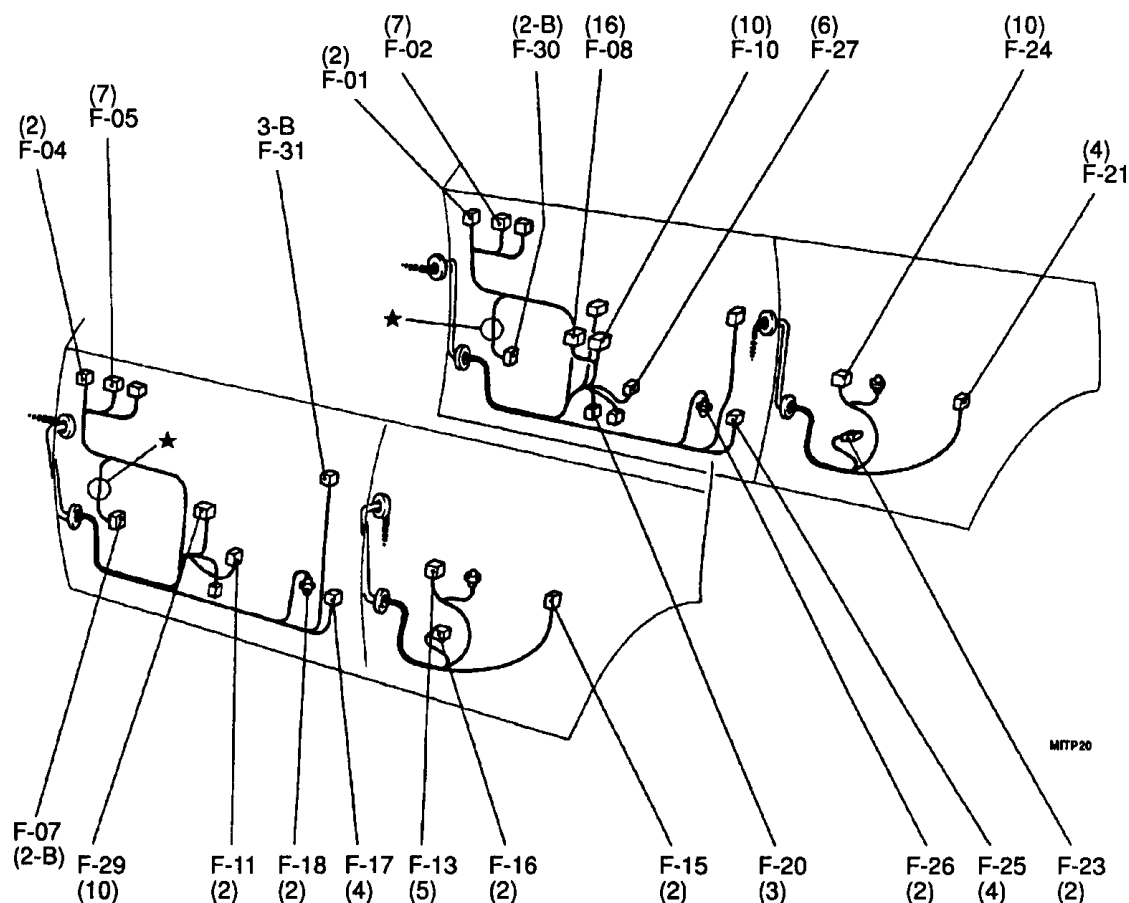
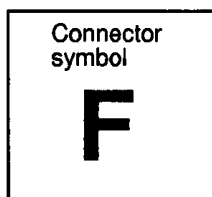
L.H. drive vehicles



F-01	Tweeter (RH)	F-18	Door courtesy lamp (LH)
F-02	Door mirror (RH)	F-20	Trunk lid and fuel tank door opener switch
F-04	Tweeter (LH)	F-21	Door lock actuator (rear: RH)
F-05	Door mirror (LH)	F-23	Power window motor assembly (rear: RH)
F-07	Door speaker (LH)	F-24	Power window switch (rear: RH)
F-08	Front door module (driver side)	F-25	Door lock actuator (front: RH)
F-10	Front door module (driver side)	F-26	Door courtesy lamp (RH)
F-11	Power window motor assembly (front: LH)	F-27	Power window motor assembly (front: RH)
F-13	Power window switch (rear: LH)	F-29	Front door module (passenger side)
F-15	Door lock actuator (rear: LH)	F-30	Door speaker (RH)
F-16	Power window motor assembly (rear: LH)	F-31	Door key cylinder switch
F-17	Door lock actuator (front: LH)		

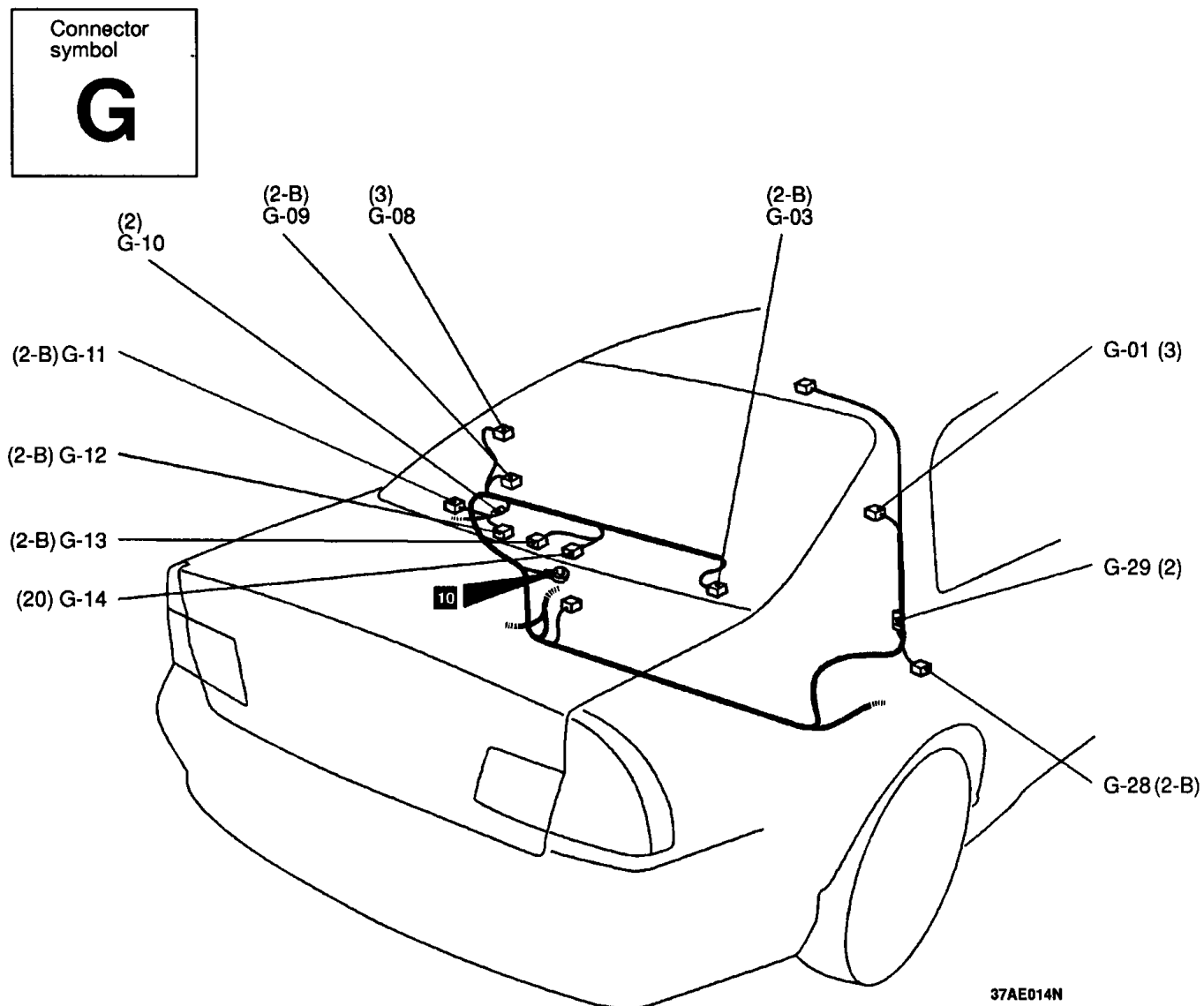
DOOR

R.H. drive vehicles



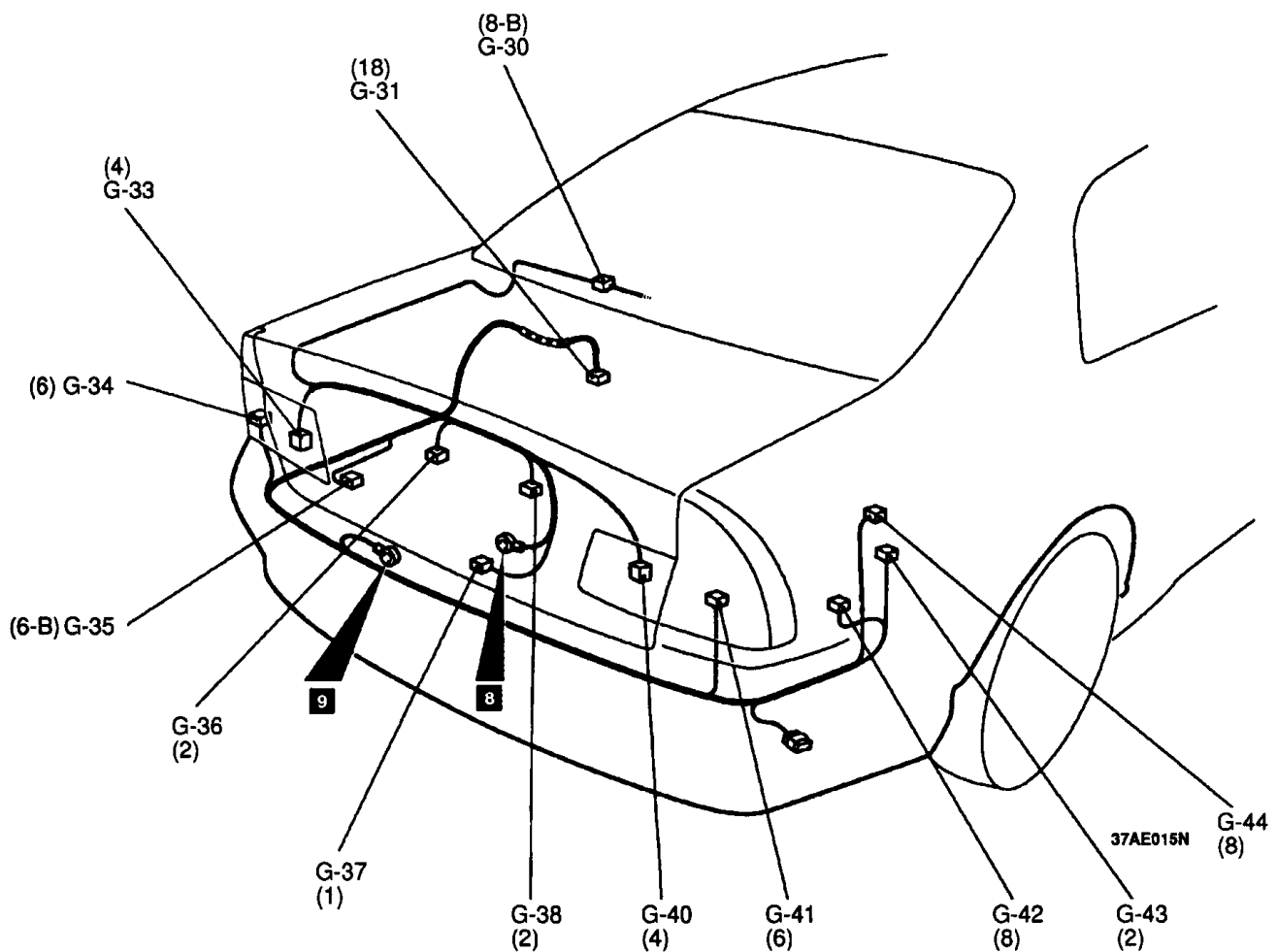
F-01	Tweeter (RH)	F-18	Door courtesy lamp (LH)
F-02	Door mirror (RH)	F-20	Trunk lid and fuel tank door opener switch
F-04	Tweeter (LH)	F-21	Door lock actuator (rear: RH)
F-05	Door mirror (LH)	F-23	Power window motor assembly (rear: RH)
F-07	Door speaker (LH)	F-24	Power window switch (rear: RH)
F-08	Front door module (driver side)	F-25	Door lock actuator (front: RH)
F-10	Front door module (driver side)	F-26	Door courtesy lamp (RH)
F-11	Power window motor assembly (front: LH)	F-27	Power window motor assembly (front: RH)
F-13	Power window switch (rear: LH)	F-29	Front door module (passenger side)
F-15	Door lock actuator (rear: LH)	F-30	Door speaker (RH)
F-16	Power window motor assembly (rear: LH)	F-31	Door key cylinder switch
F-17	Door lock actuator (front: LH)		

LUGGAGE COMPARTMENT



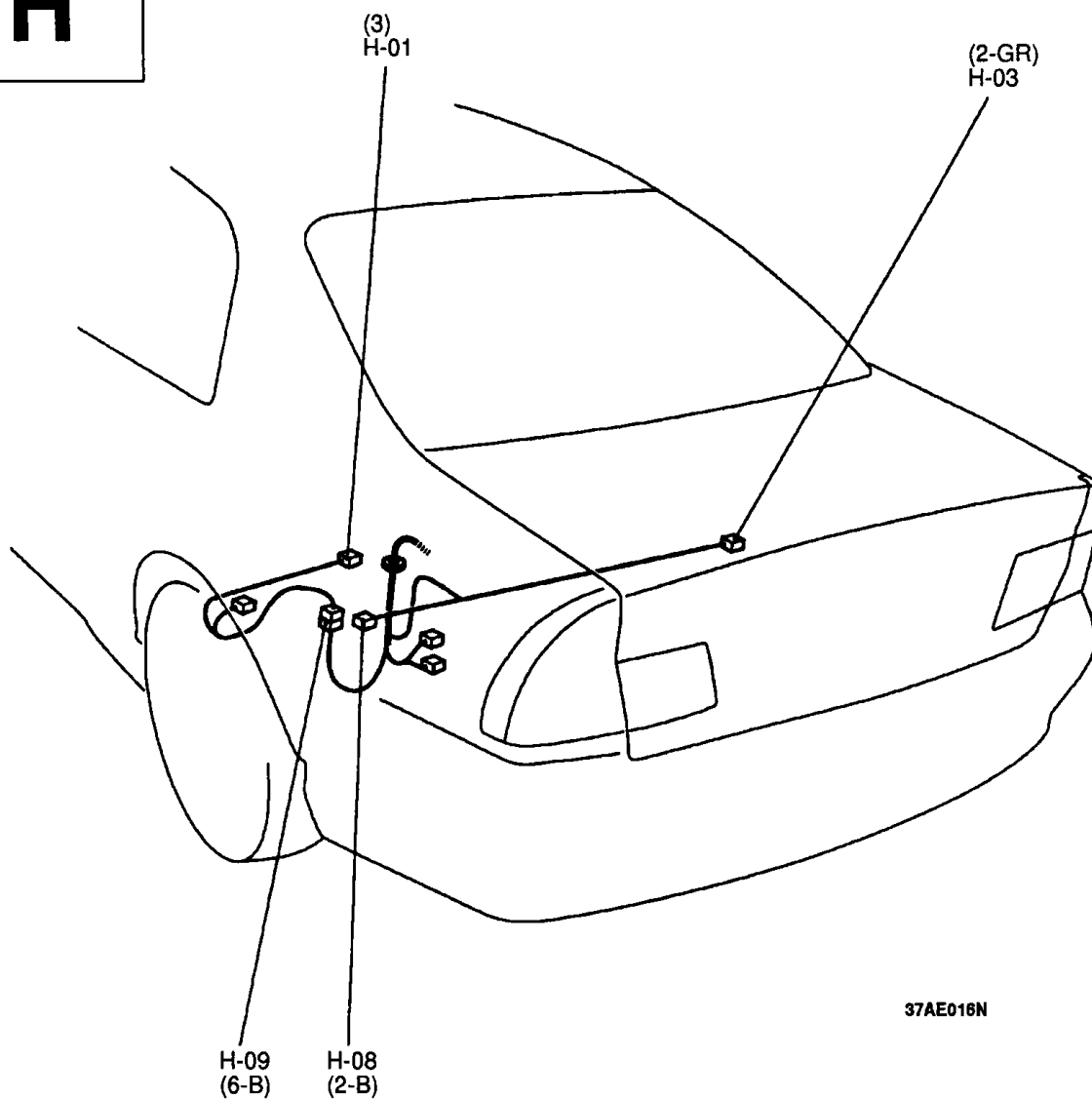
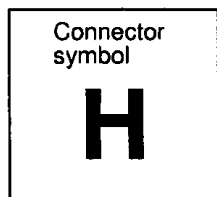
G-01 Rear personal lamp (RH)
 G-03 Rear speaker (RH)
 G-08 Rear personal lamp (LH)
 G-09 Rear door switch (LH)
 G-10 Diode (for rear personal lamp LH)
 G-11 Rear speaker (LH)

G-12 Trunk room lamp
 G-13 High mount stop lamp
 G-14 Receiver
 G-28 Rear door switch (RH)
 G-29 Diode (for rear personal lamp RH)



G-30	Connection of floor harness (LH) and rear lid harness	G-37	Trunk room lamp switch
G-31	Connection of floor harness (LH) and trunk room harness	G-38	License plate lamp (RH)
G-33	Rear lid lamp (LH)	G-40	Rear lid lamp (RH)
G-34	Rear combination lamp (LH)	G-41	Rear combination lamp (RH)
G-35	CD changer	G-42	Trunk lid and fuel tank door opener relay
G-36	License plate lamp (LH)	G-43	Trunk lid and fuel tank door opener actuator
		G-44	Motor antenna

REAR FLOOR LOWER SECTION



- H-01 Fuel gauge unit
- H-02 Rear speed sensor (RH) <ABS>
- H-08 Rear speed sensor (LH) <ABS>
- H-09 Connection of floor harness (LH) and fuel harness

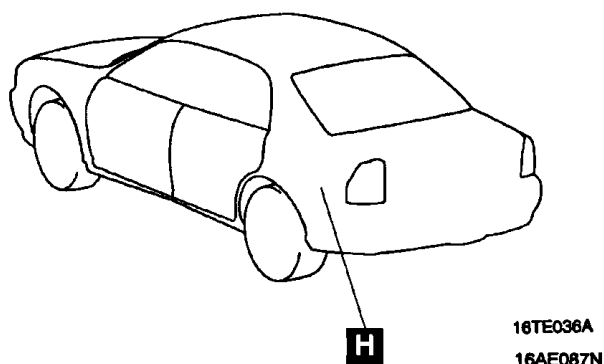
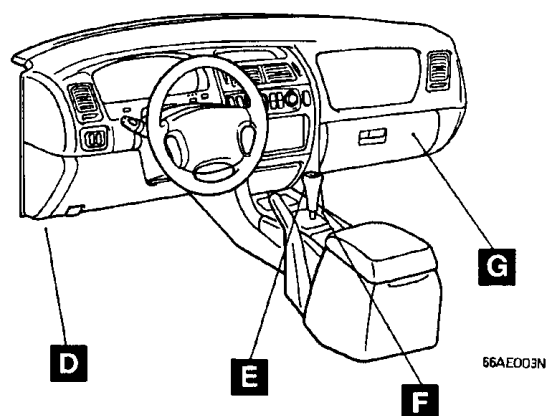
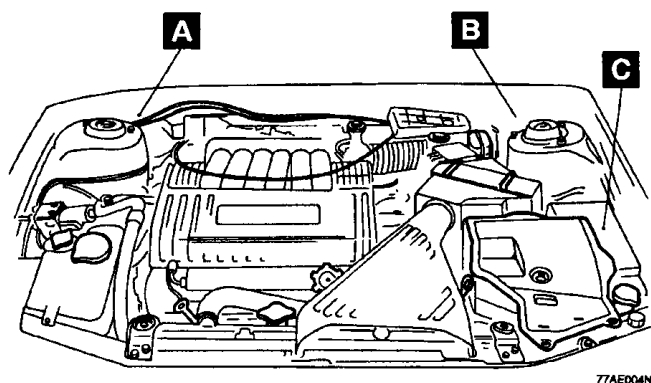
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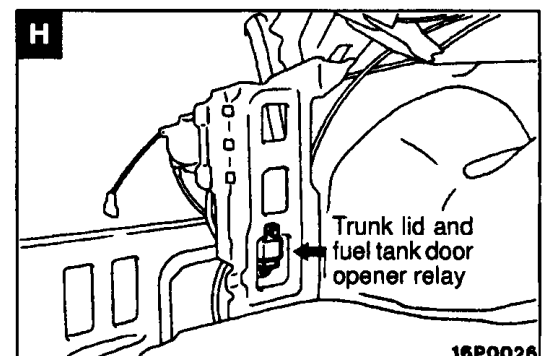
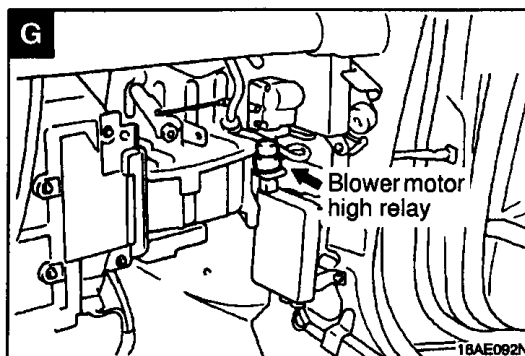
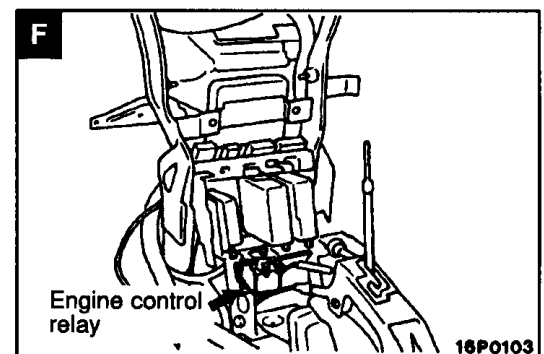
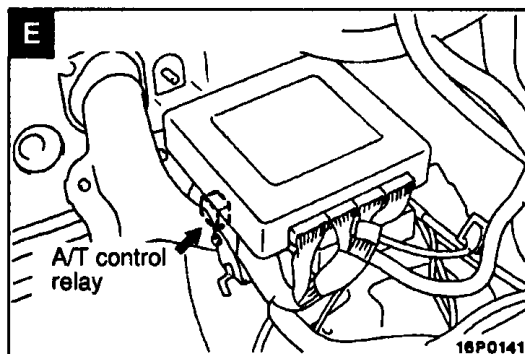
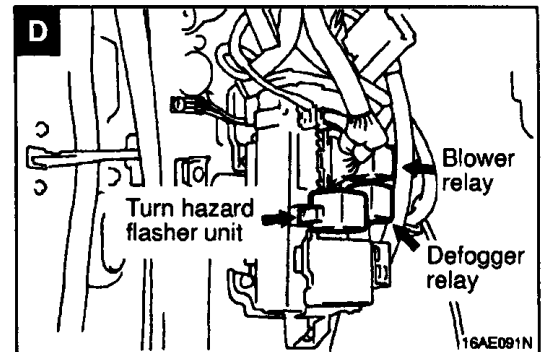
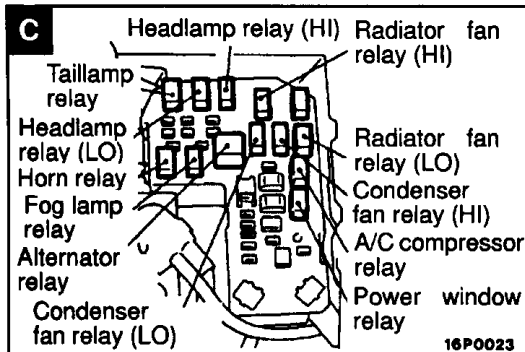
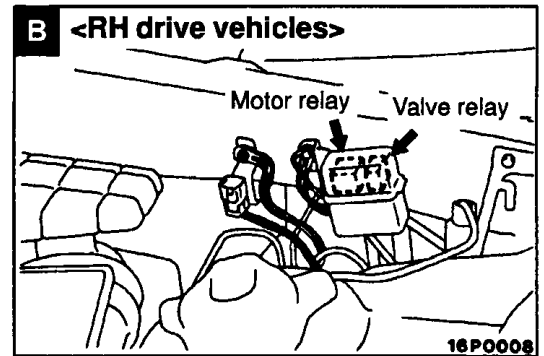
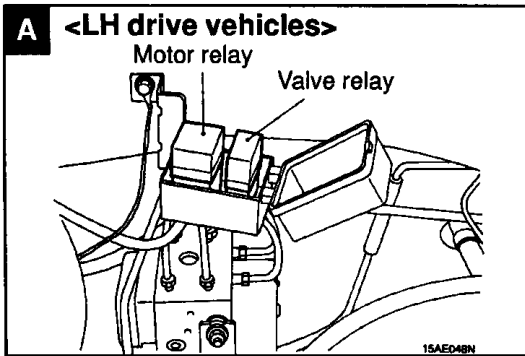
CONTENTS

RELAY	3-2	INSPECTION CONNECTOR	3-11
ECU	3-4	FUSIBLE LINK AND FUSE	3-12
SENSOR	3-6	EARTH CABLE	3-13
SOLENOID VALVE	3-9	EARTH	3-14
DIODE	3-10		

RELAY

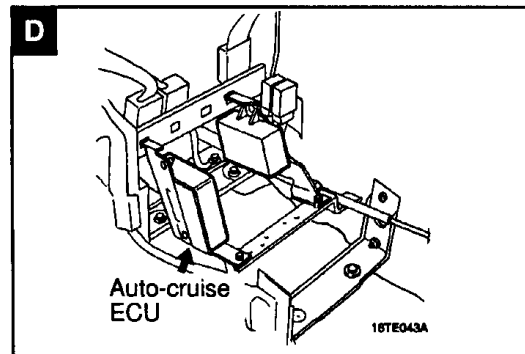
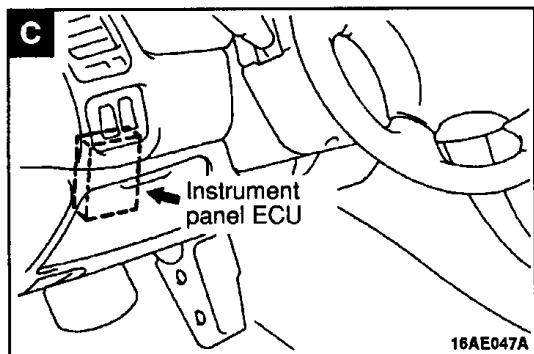
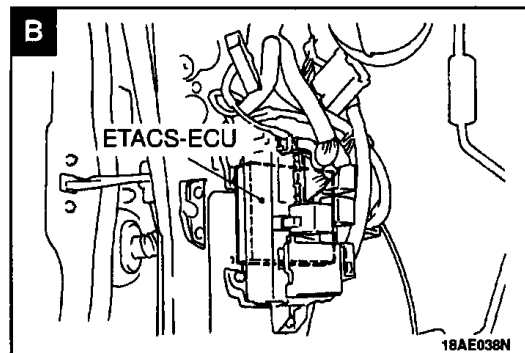
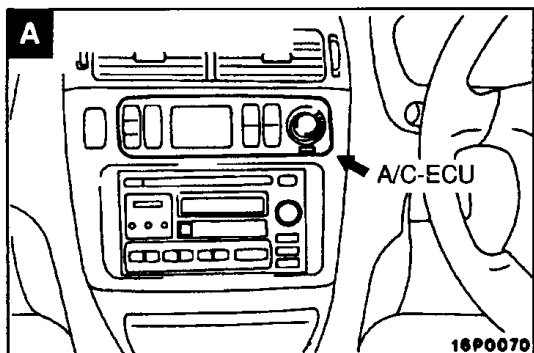
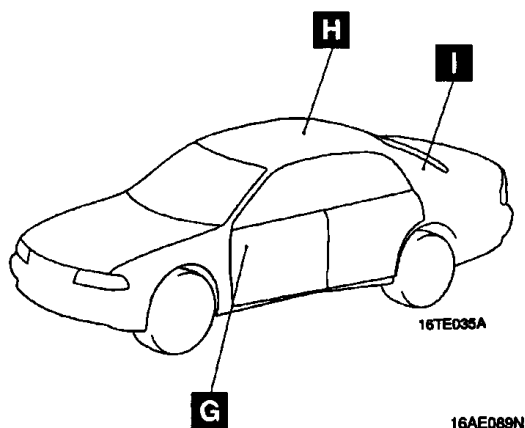
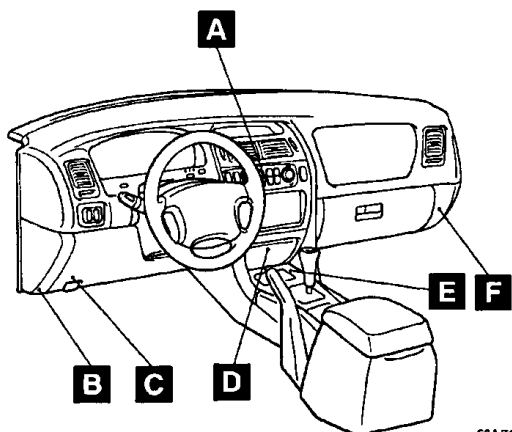
Name	Symbol	Name	Symbol
A/C compressor relay	C	Horn relay	C
A/T control relay	E	Motor relay <ABS>	LHD A
Alternator relay	C		RHD B
Blower relay	D	Power window relay	C
Blower motor high relay	G	Radiator fan relay (LO)	C
Condenser fan relay (HI)	C	Radiator fan relay (HI)	C
Condenser fan relay (LO)	C	Taillamp relay	C
Defogger relay	D	Trunk lid and fuel door opener relay	H
Engine control relay	F	Turn hazard flasher unit	F
Fog lamp relay	C	Valve relay <ABS>	LHD A
Headlamp relay (HI)	C		RHD B
Headlamp relay (LO)	C		

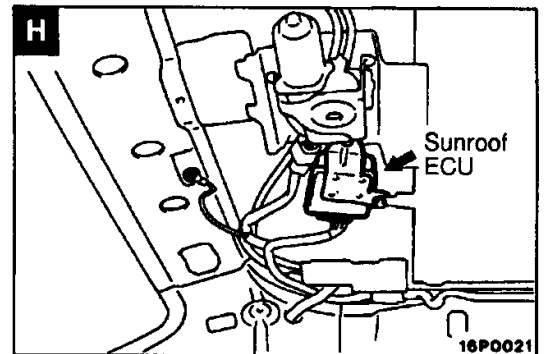
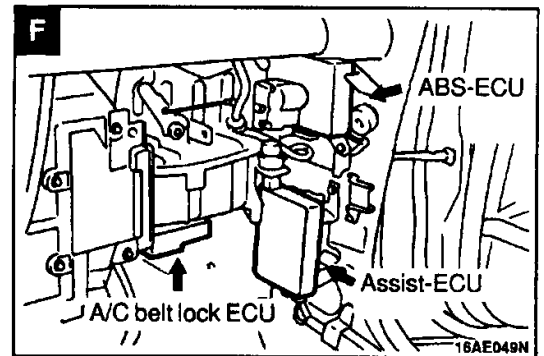
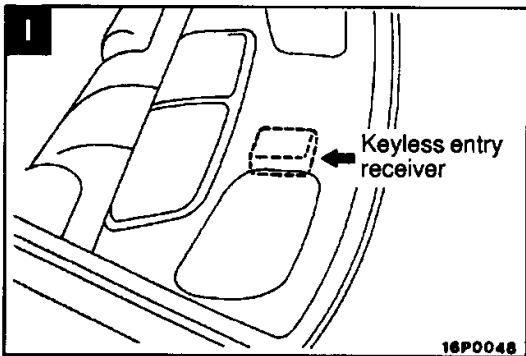
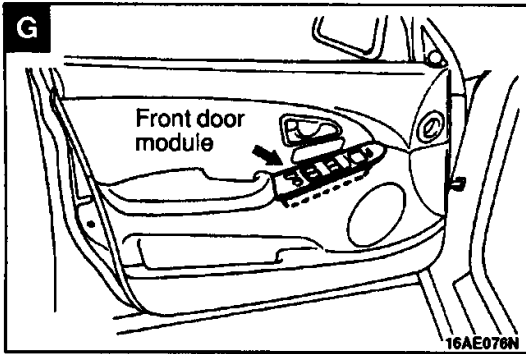
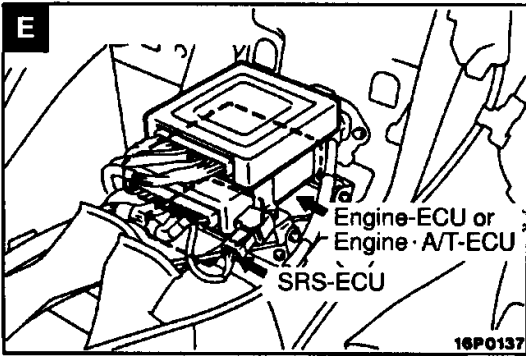




ECU

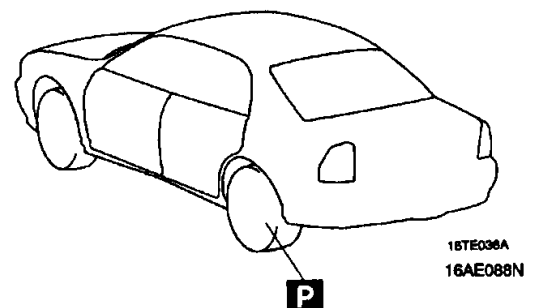
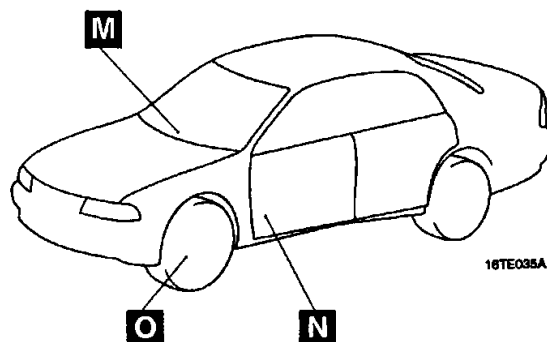
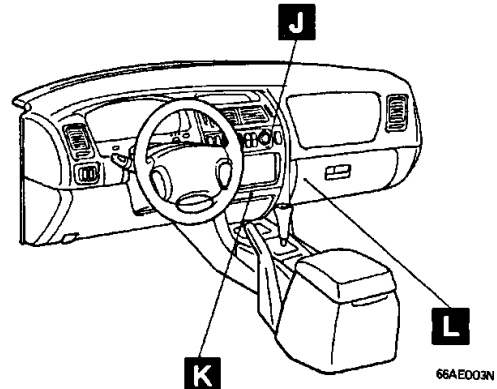
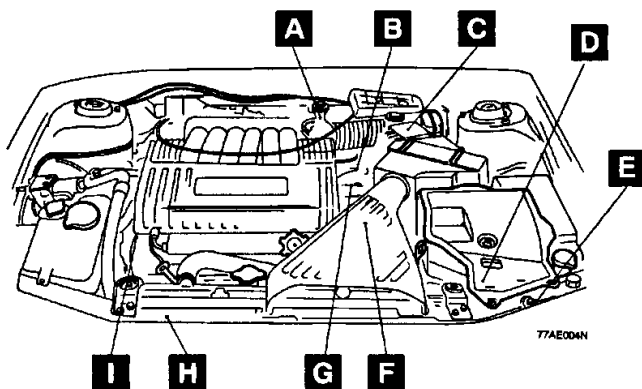
Name	Symbol	Name	Symbol
ABS-ECU	F	ETACS-ECU	B
A/C-ECU	A	Front door module	G
A/C belt lock ECU	F	Instrument panel ECU	C
Assist-ECU	F	Keyless entry receiver	I
Auto cruise ECU	D	SRS-ECU	D
Engine · A/T-ECU <A/T>	E	Sunroof-ECU	H
Engine-ECU <M/T>	E		

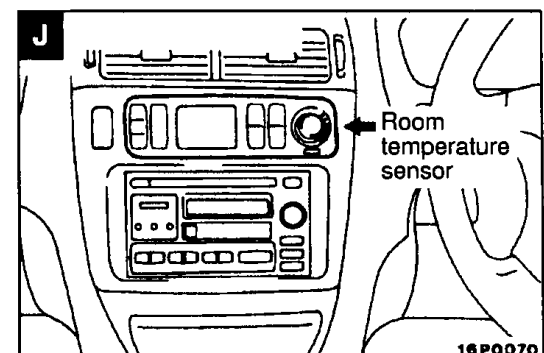
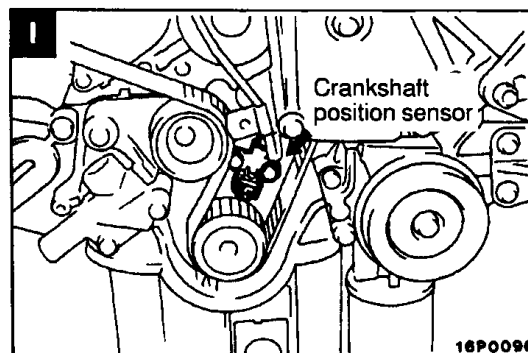
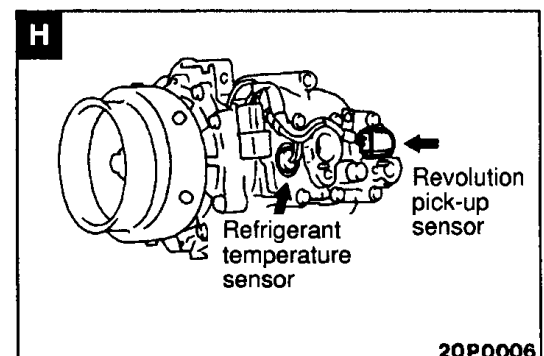
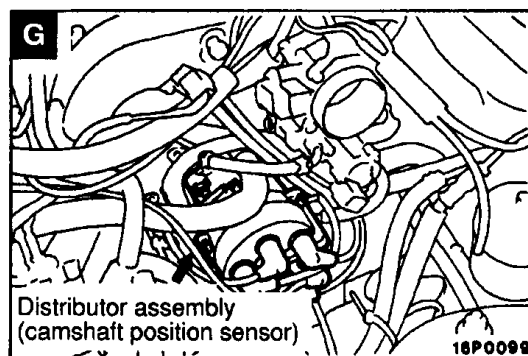
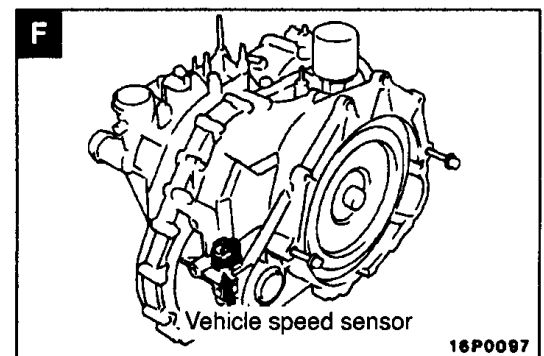
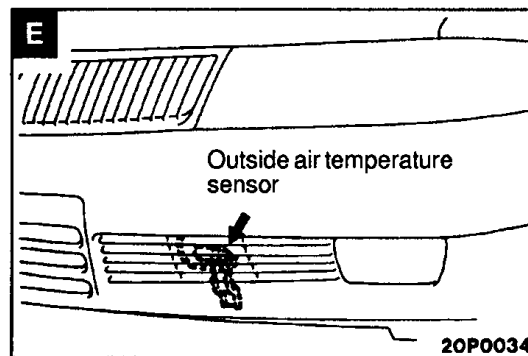
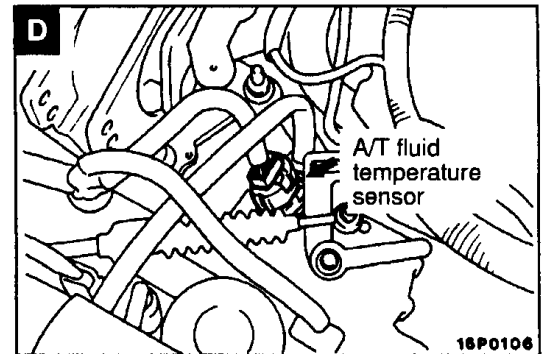
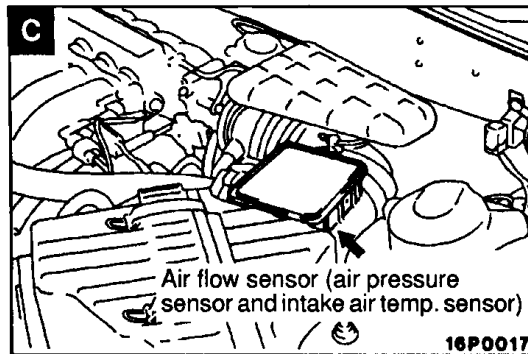
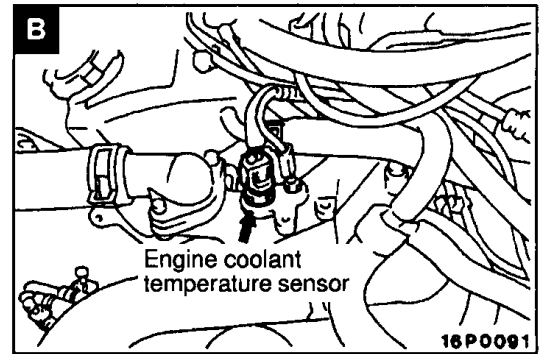
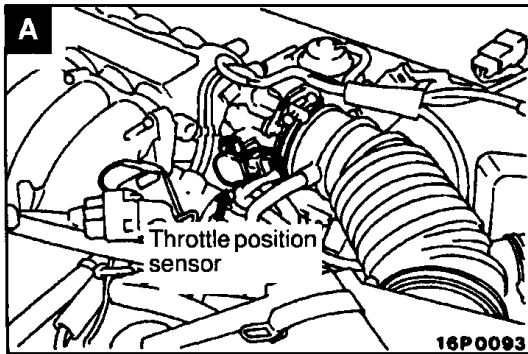


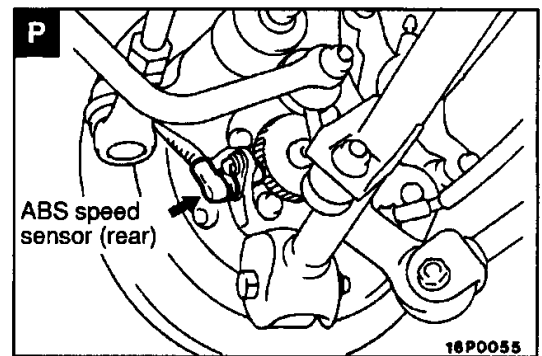
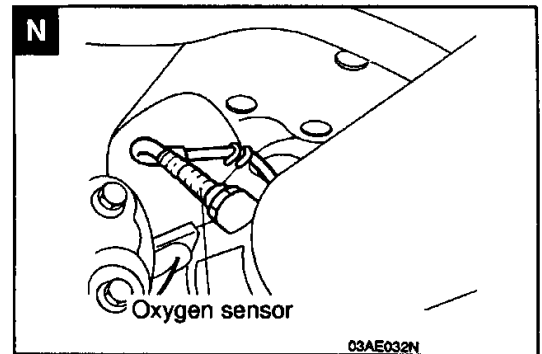
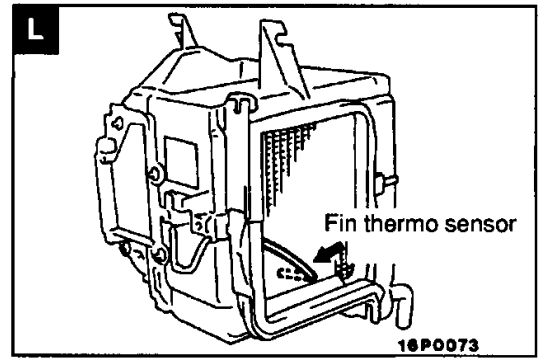
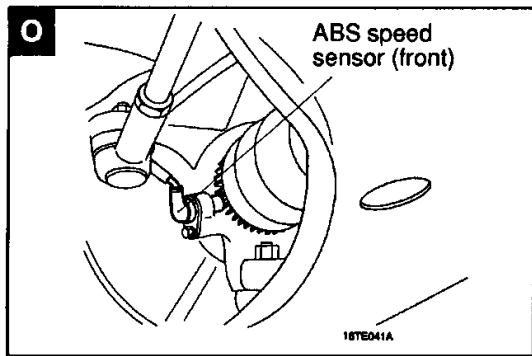
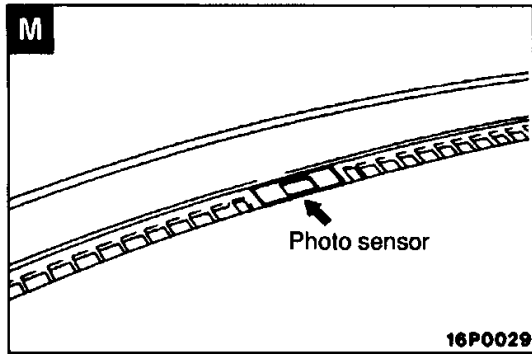
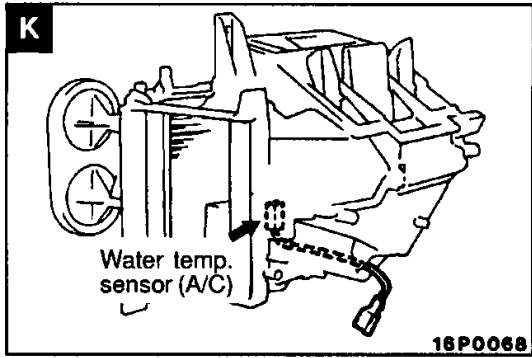


SENSOR

Name	Symbol	Name	Symbol
ABS speed sensor (front)	O	Oxygen sensor	N
ABS speed sensor (rear)	P	Photo sensor	M
Air flow sensor (with built-in barometric pressure sensor and intake air temperature sensor)	C	Refrigerant temperature sensor	H
A/T fluid temperature sensor	D	Revolution pick-up sensor	H
Crankshaft position sensor	I	Room temperature sensor	J
Distributor assembly (with built-in camshaft position sensor)	G	Throttle position sensor	A
Engine coolant temperature sensor	B	Vehicle speed sensor	F
Fin thermo sensor	L	Water temperature sensor <A/C>	K
Outside air temperature sensor <A/C>	E		

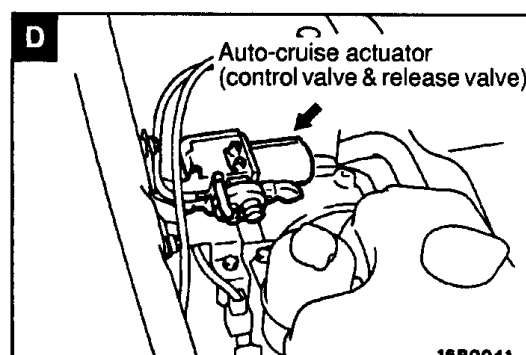
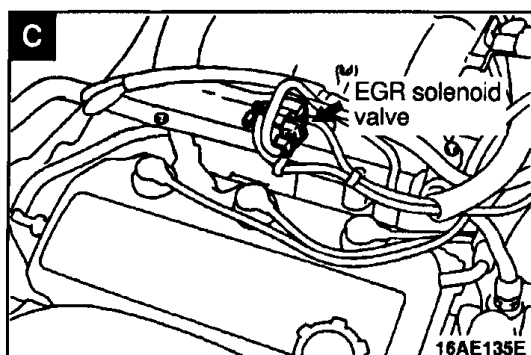
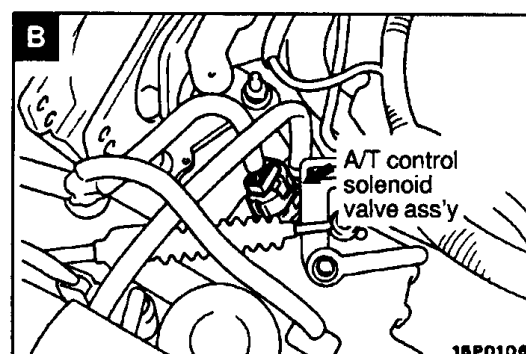
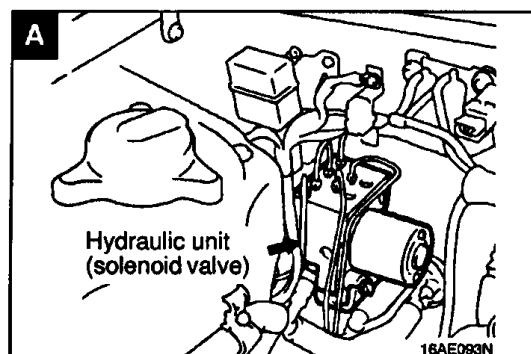
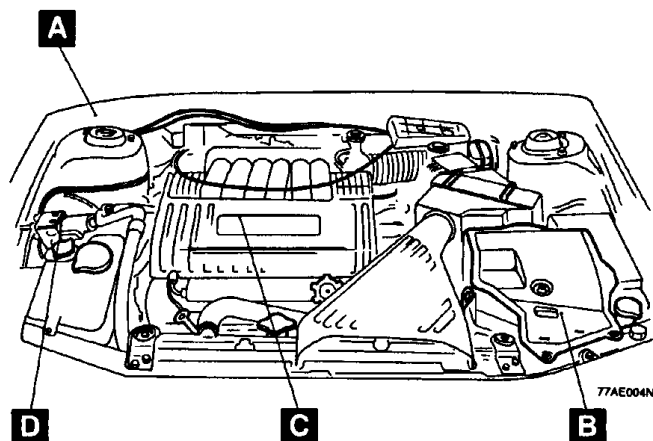


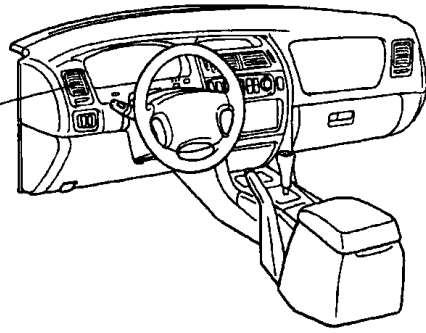
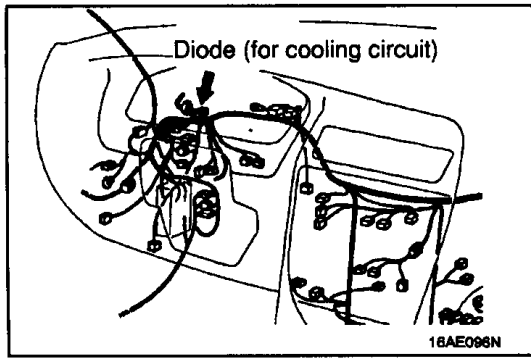




SOLENOID VALVE

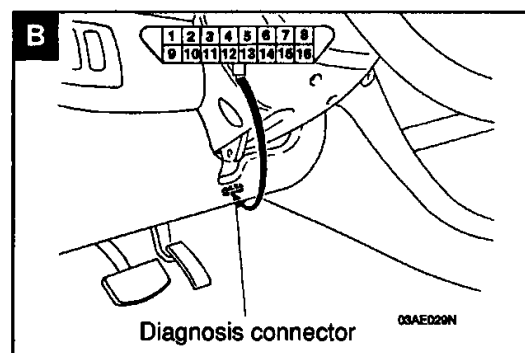
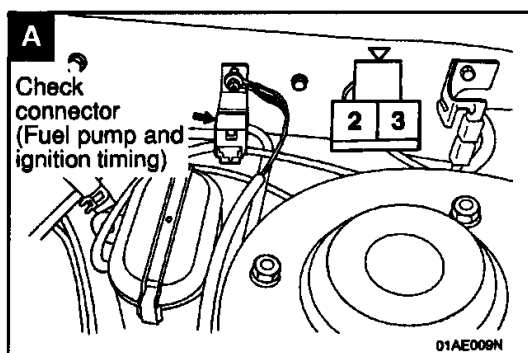
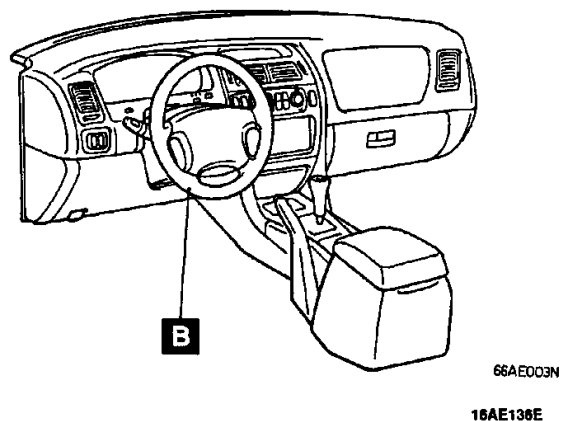
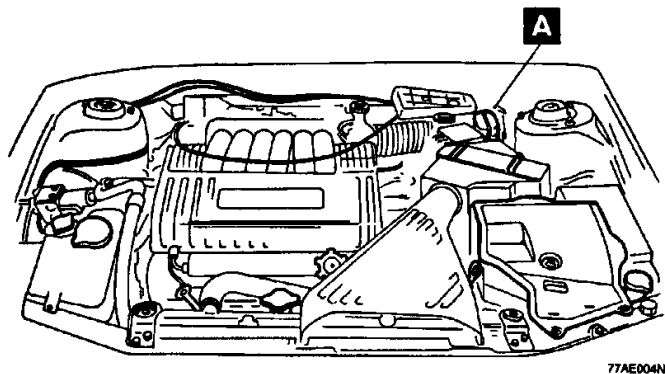
Name	Symbol	Name	Symbol
Auto-cruise actuator (with built-in control valve, release valve)	D	EGR solenoid valve	C
A/T control solenoid valve ass'y	B	Hydraulic unit (with built-in solenoid valve) <ABS>	A



DIODE

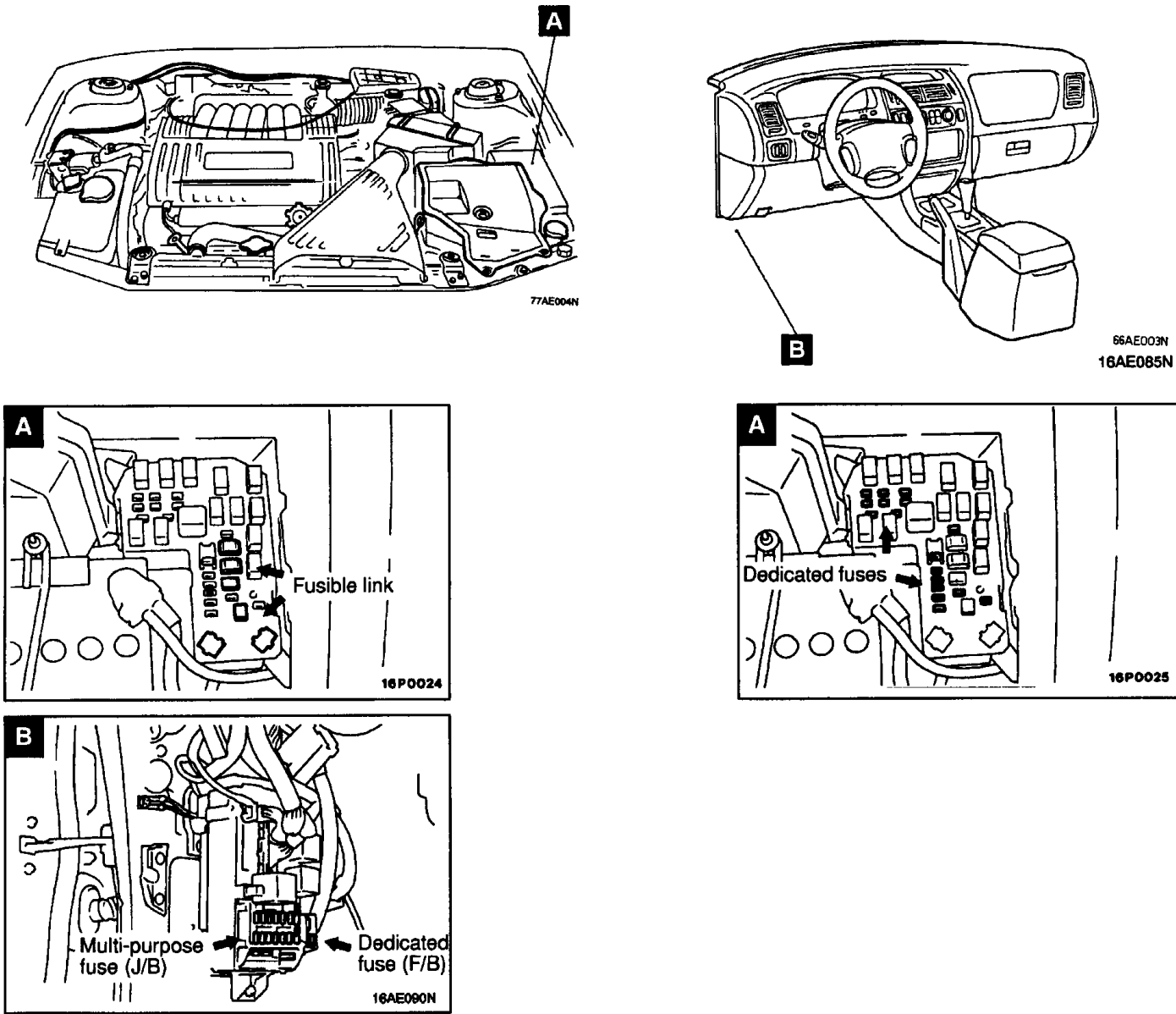
INSPECTION CONNECTOR

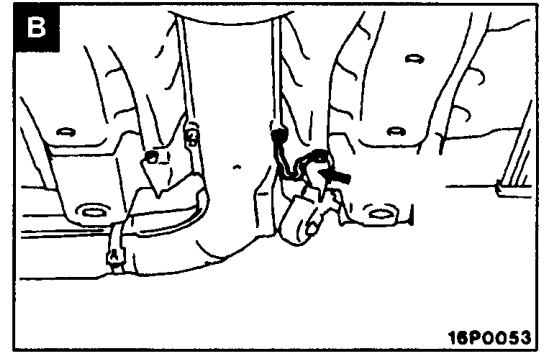
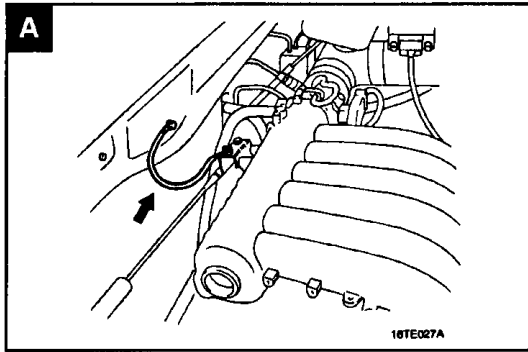
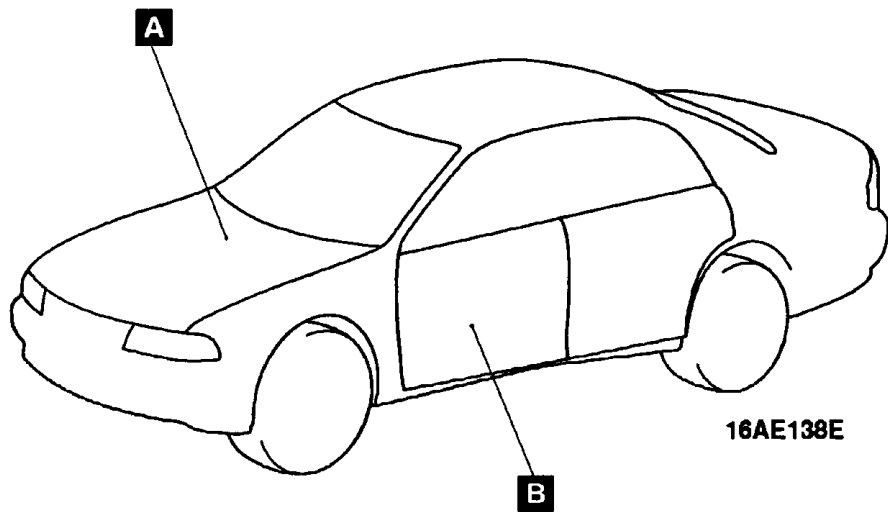
Name	Symbol	Name	Symbol
Check connector (Fuel pump and ignition timing)	A	Diagnosis connector	B



FUSIBLE LINK AND FUSE

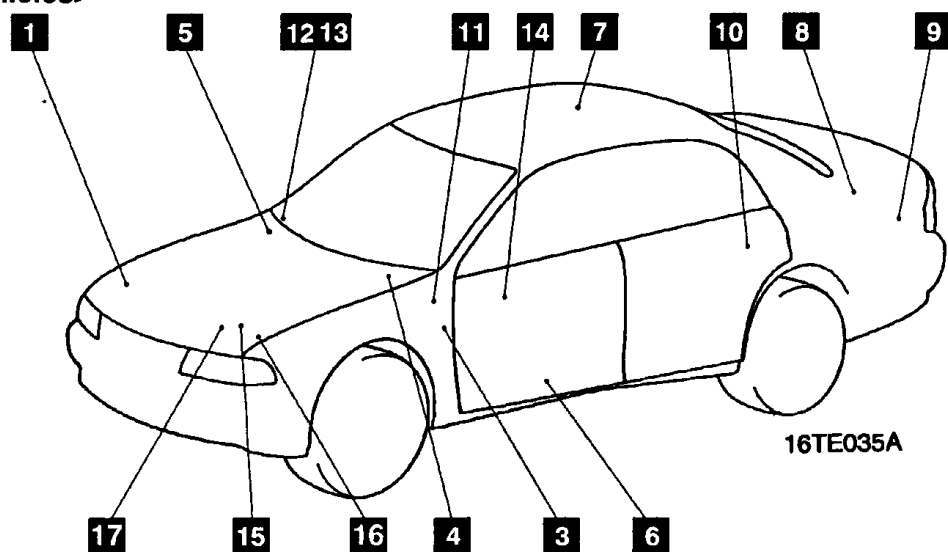
Name	Symbol	Name	Symbol
Dedicated fuses	A, B	Fusible link	A
Multi-purpose fuses	B		



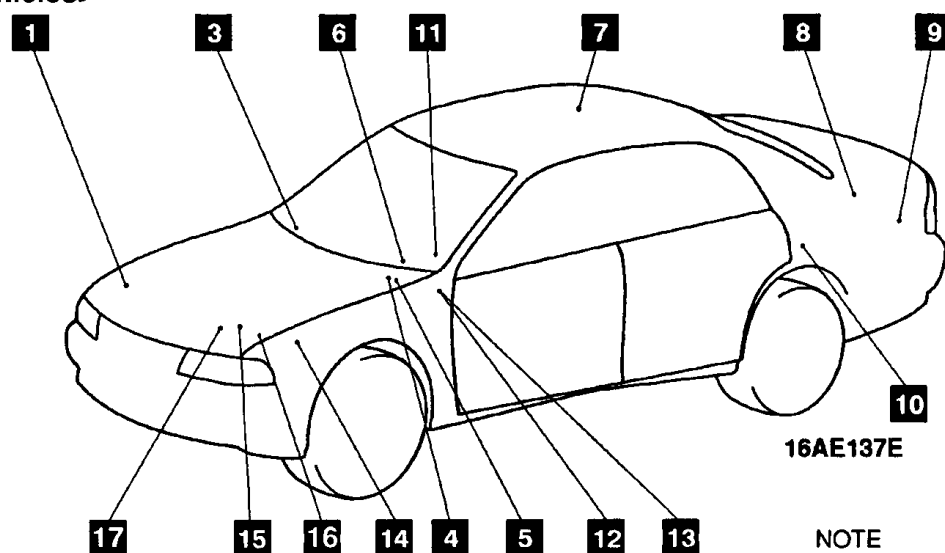
EARTH CABLE

EARTH

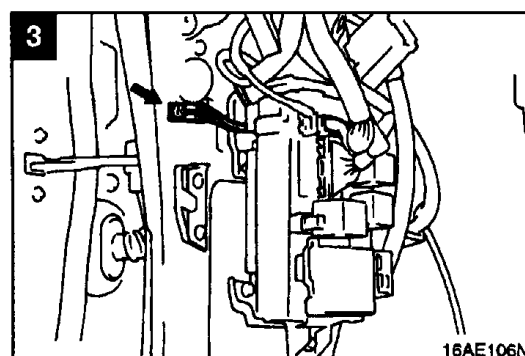
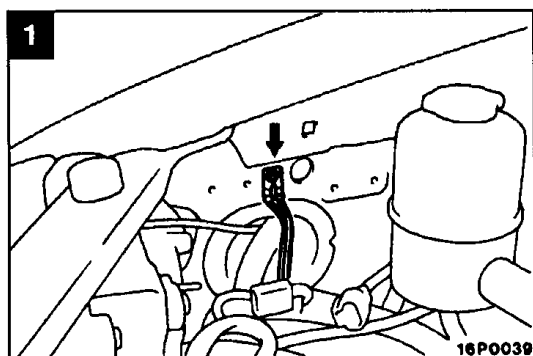
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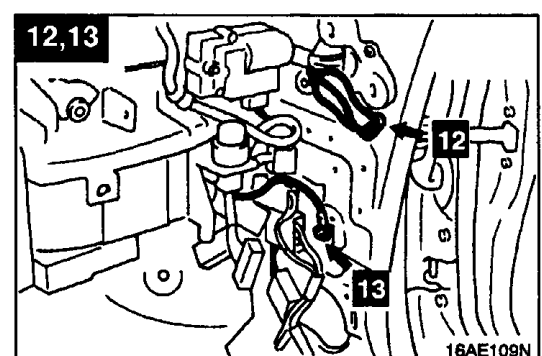
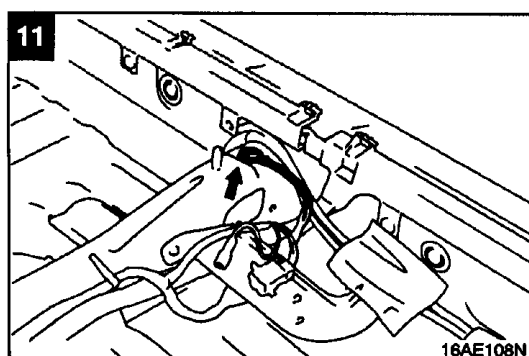
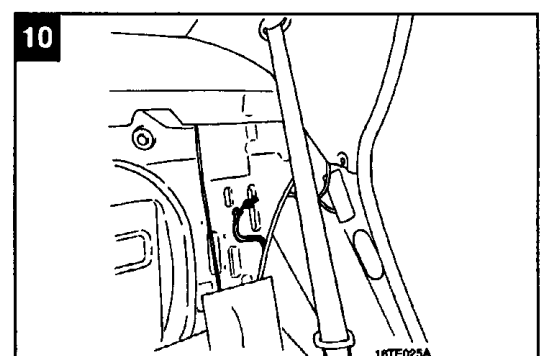
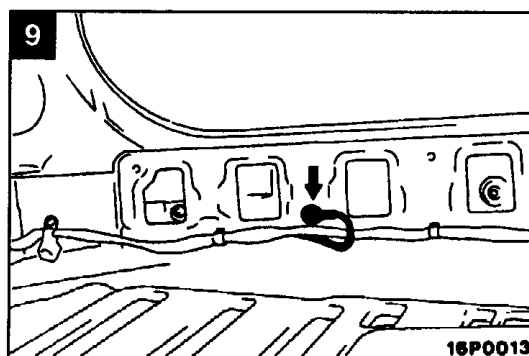
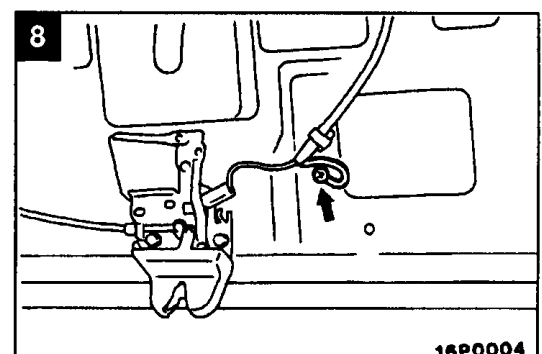
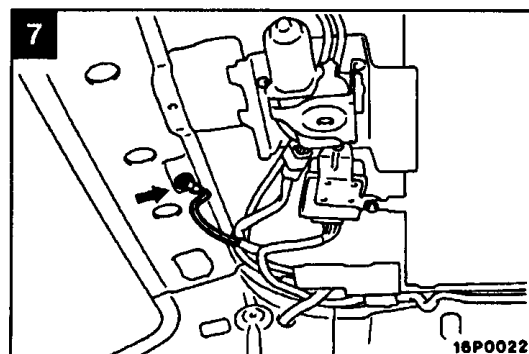
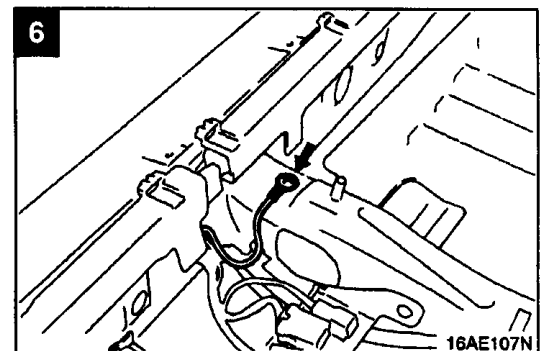
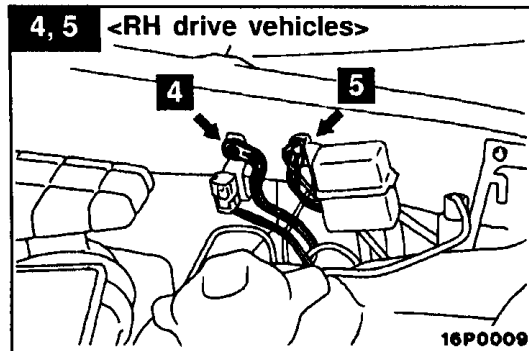
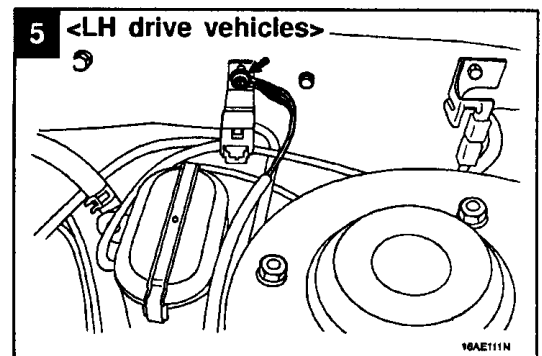
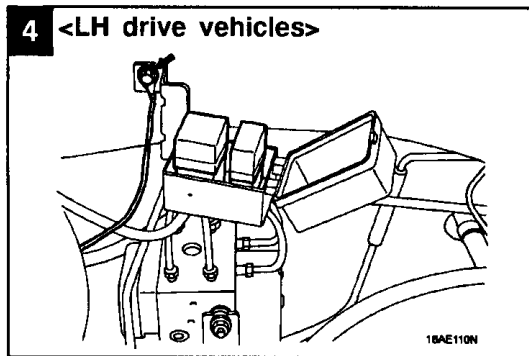


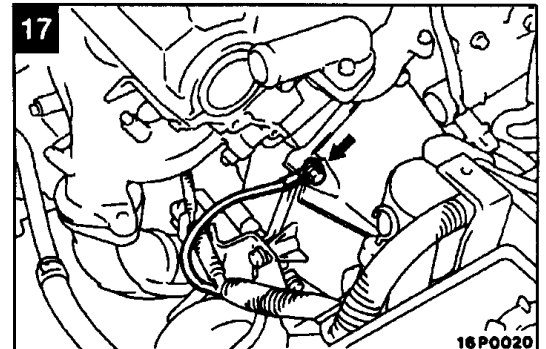
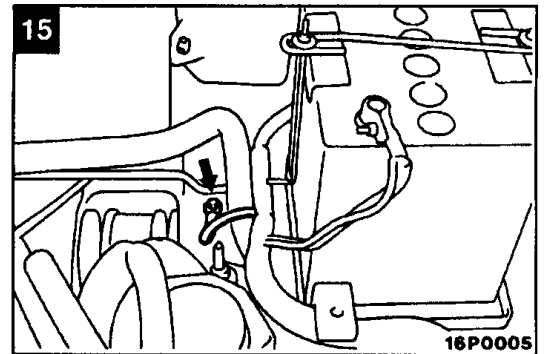
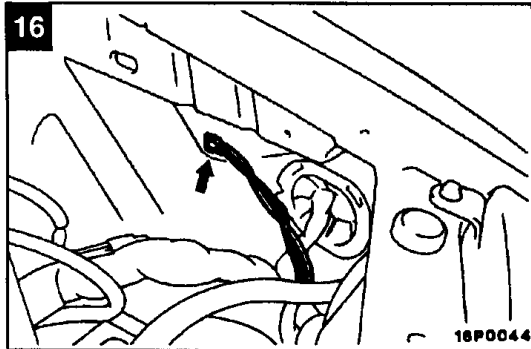
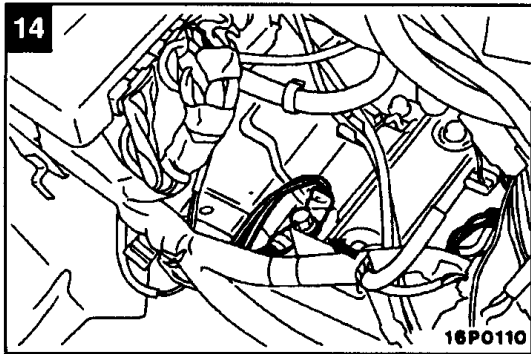
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NOTE
Same ground numbers are used in
the circuit diagram.







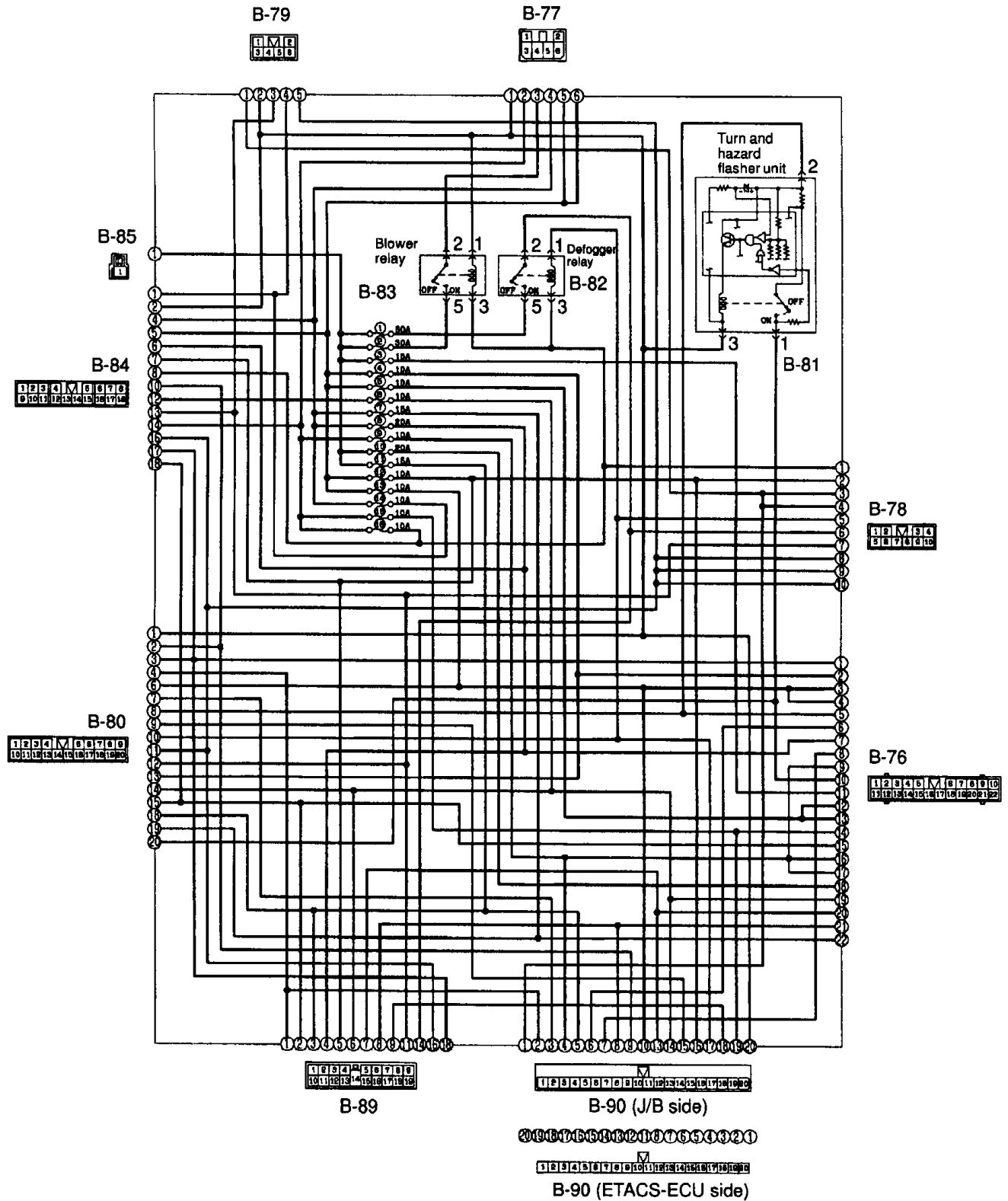
CIRCUIT DIAGRAM

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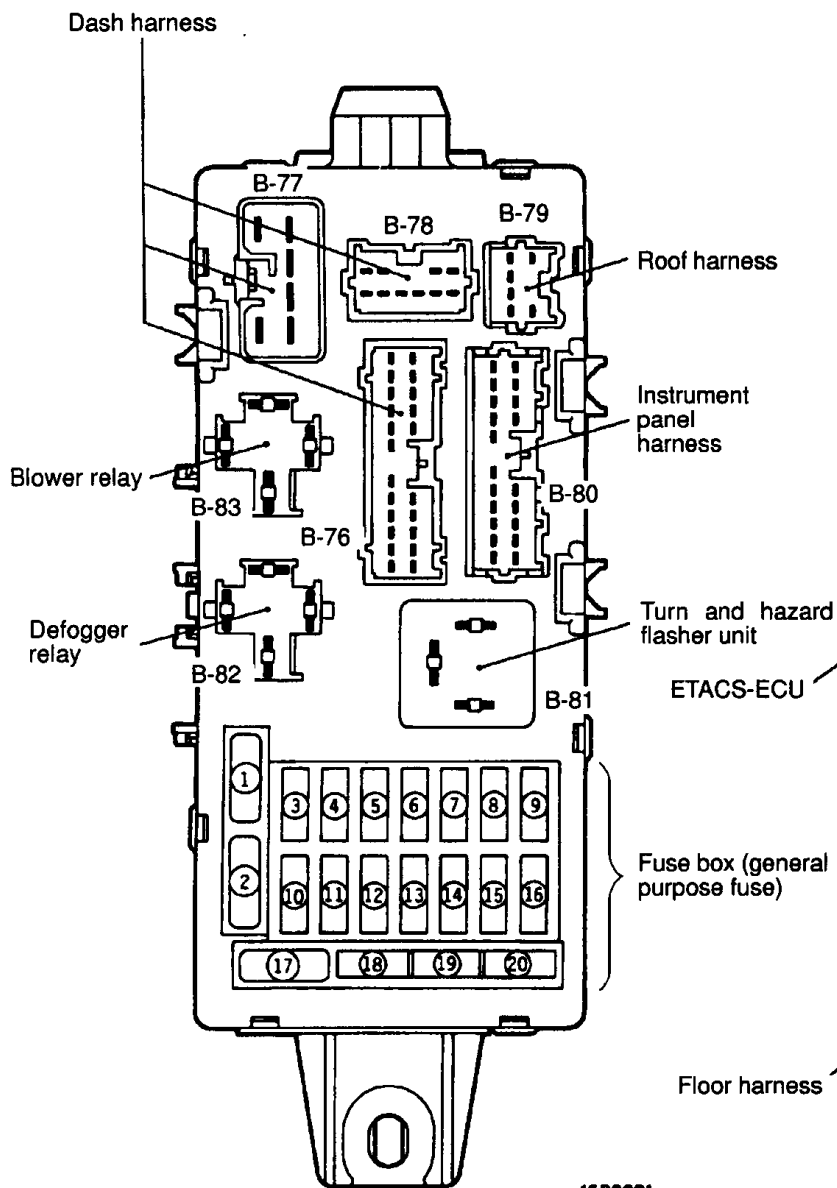
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JUNCTION BLOCK (J/B)

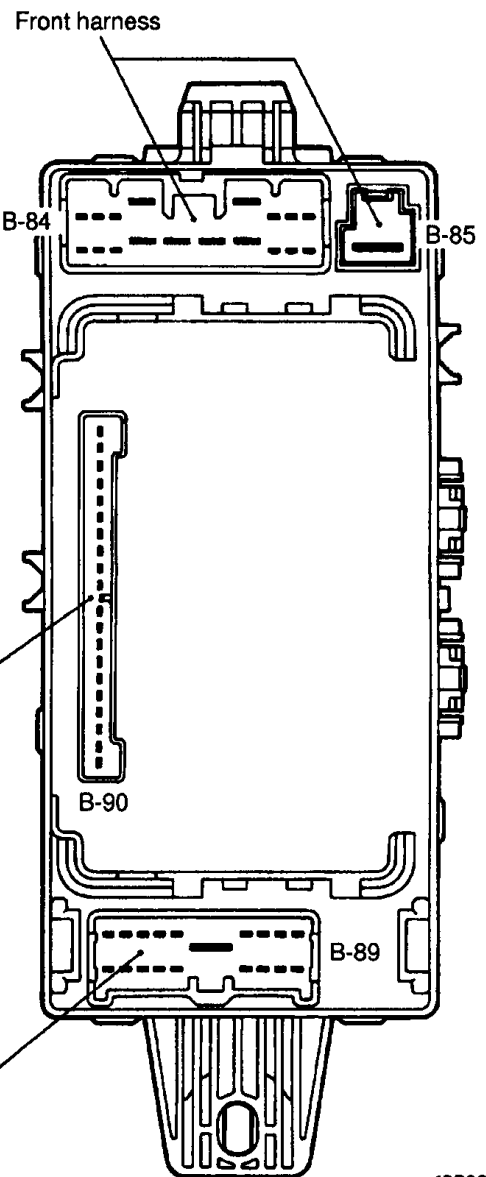


Front side

Reverse side



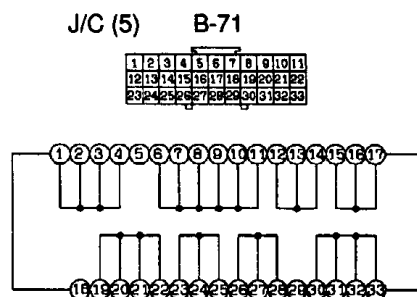
16P0001



16P0002

16AE111N

JOINT CONNECTOR (J/C)

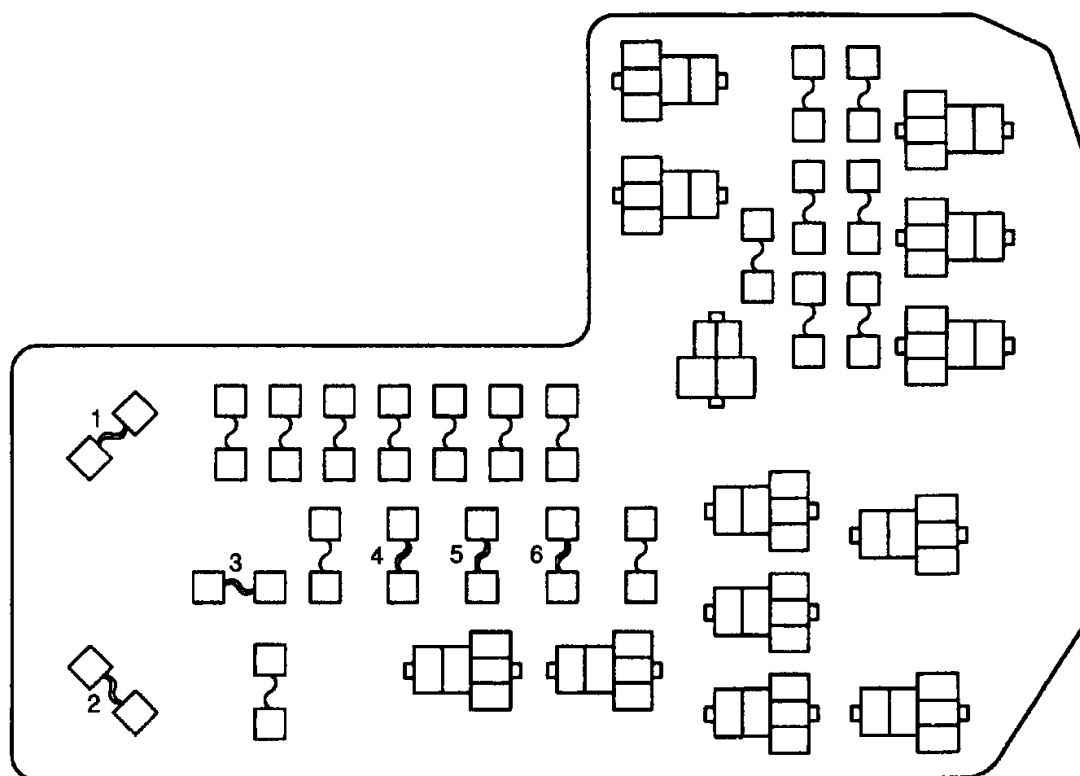
**NOTE**

In the actual vehicle, some of the joint connector terminals in the same bus are used, so in some cases, the terminals indicated on the circuit diagrams do not agree with the ones in the actual vehicle.

HY00J01AA

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

No.	Used Circuit	Type	Colour of housing	Rated capacity
1	Fusible link Nos. 2 and 3, charging	Screwed-in type	White	120
2	Exclusive fuse No. 17, general purpose fuse Nos. 1, 2, 3, 10 and 11	Screwed-in type	Yellow	60
3	Power window, sunroof, power seat, exclusive fuse Nos. 18 and 20	Connector type	Green	40
4	Ignition switch	Connector type	Pink	30
5	ABS	Connector type	Yellow	60
6	Cooling, fully automatic air conditioning	Connector type	Green	40



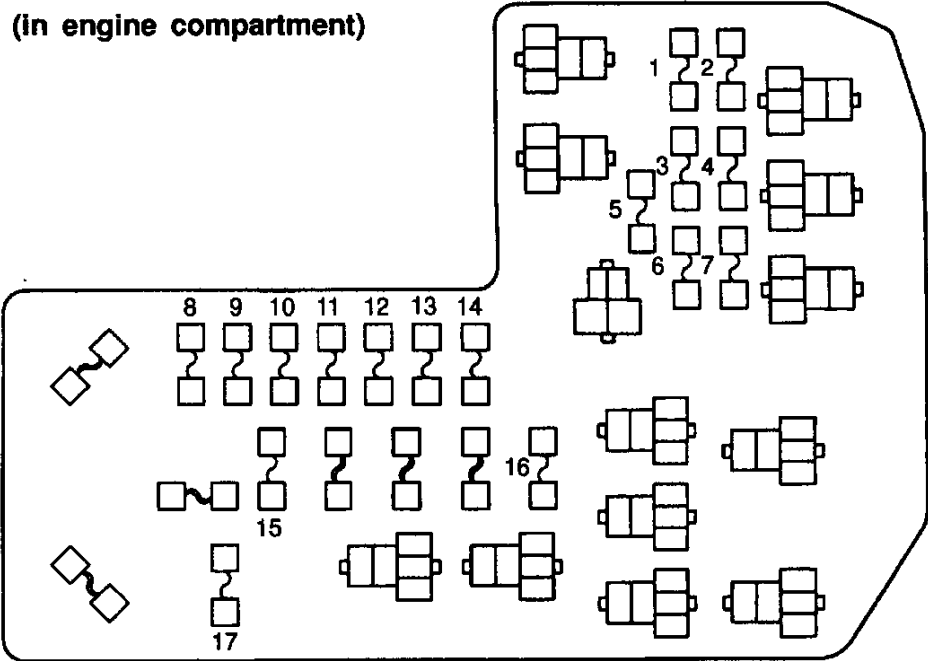
16P0011

DEDICATED FUSE (Relay box and fuse box)

Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Taillamp relay	1	10	Red	Rheostat, fully automatic air conditioner, pointer meter, centre message display, sunroof, clock, ELC-4A/T, taillamp, position lamp, license plate lamp, fog lamp, glove box lamp, vanity mirror lamp, trunk room lamp, turn signal lamp, hazard lamp, cigarette lighter, ashtray illumination lamp, accessory socket, power seat, cruise control system, radio, tape player, CD changer.
	2	10	Red	Taillamp, position lamp, license plate lamp, cigarette lighter, ashtray illumination lamp, accessory socket.
Headlamp relay (LO)	3	15	Red	Headlamp circuit
	4	15	Red	
Fog lamp relay	5	15	Blue	Fog lamp
Headlamp relay (HI)	6	10	Blue	Headlamp circuit
	7	10	Blue	
Battery	8	10	Red	Charging
	9	20	Yellow	ELC-4A/T, MPI system.
	10	–	–	–
	11	10	Red	Turn signal lamp and hazard lamp circuit
	12	10	Red	SWS
	13	15	Blue	Engine control, ELC-4A/T, headlamp, taillamp, position lamp, license plate lamp, fog lamp, overhead lamp, foot welcome lamp, rear personal lamp, glove box lamp, vanity mirror lamp, trunk room lamp, fully automatic air conditioner, oil pressure warning lamp, fuel warning lamp, brake warning lamp, seat belt warning lamp, centre message display, power window, centre door lock, keyless entry, door courtesy lamp, door foot lamp, ignition key cylinder illumination lamp, trunk lid opener, fuel tank door opener, windshield wiper and washer, ABS, SRS, SWS, cruise control system, power seat, Radio, tape player, CD changer, ignition key reminder buzzer.
IG switch ACC.	14	10	Red	Multi-purpose fuse No. 6 and 8.
Battery	15	–	–	–
	16	20	Yellow	Cooling, fully automatic air conditioner
	17	10	Red	Fully automatic air conditioner
Power window relay	18	20	Yellow	Sunroof
–	19	–	–	–
Power window relay	20	10	Red	

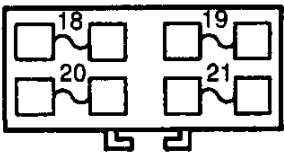
Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Defogger relay	21	10	Red	Defogger

RELAY BOX (in engine compartment)



16P0011

FUSE BOX (next to junction box)

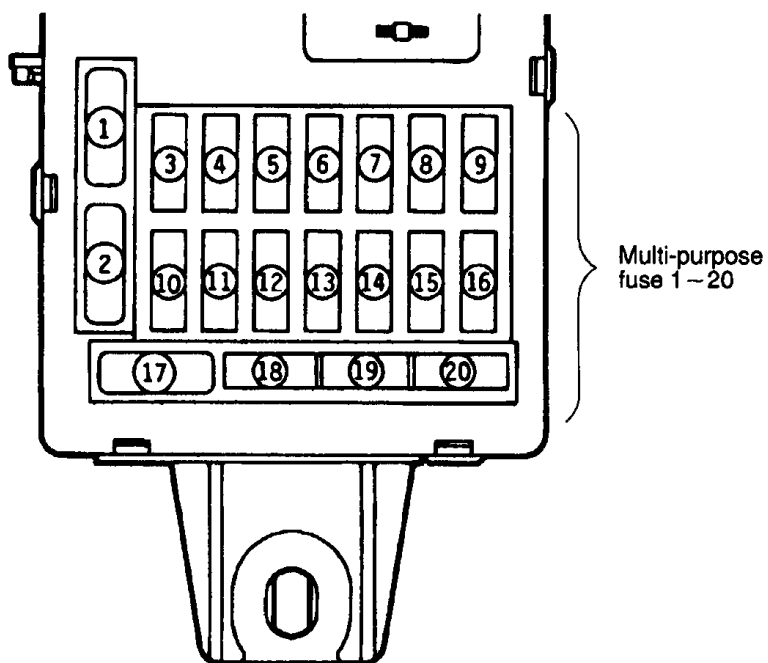


16P0012

16AE112N

MULTI-PURPOSE FUSE (In junction block)

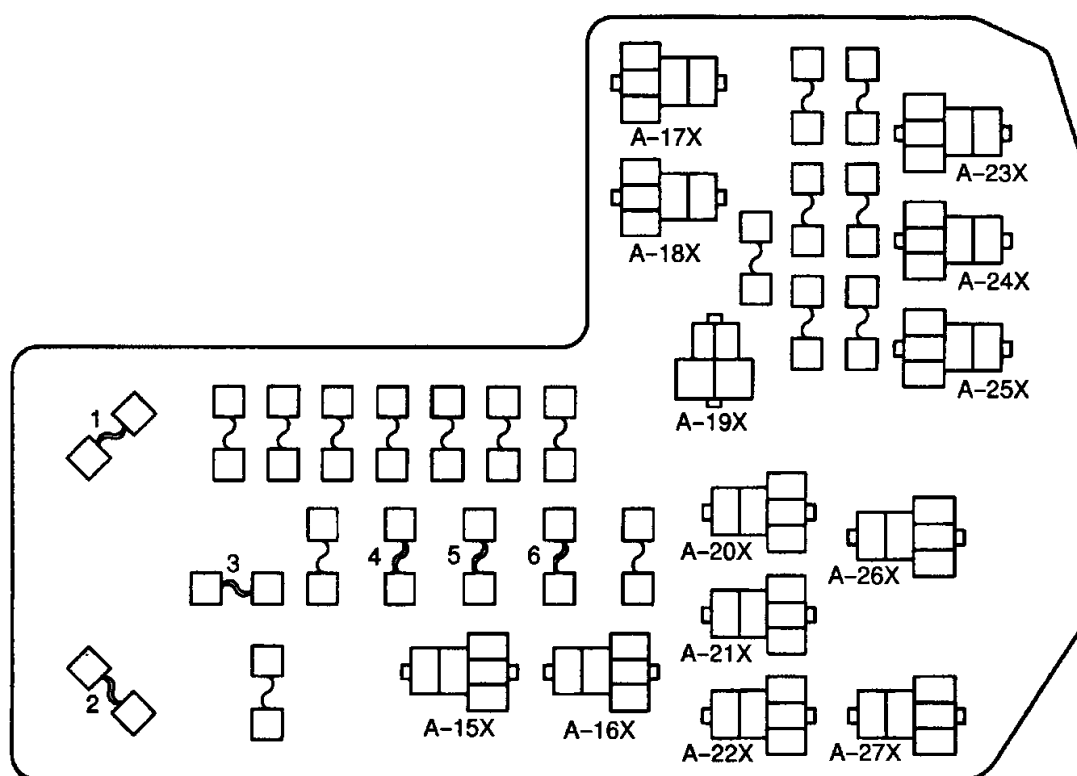
Power supply circuit		No.	Rated capacity (A)	Housing colour	Circuit
Battery		1	30	Pink	Defogger
		2	30	Pink	Blower motor
		3	15	Blue	Stop lamp, ELC-4 A/T, ABS, Auto cruise control
Ignition switch	IG1	4	10	Red	Turn and hazard flasher unit, SRS-ECU, speed alarm
		5	10	Red	Assist ECU, Engine-ECU, ELC-4 A/T
	ACC	6	10	Red	Radio, tape player, CD changer, motor antenna, receiver, cruise ECU, centre warning display.
		7	15	Blue	Cigarette lighter, accessory socket
		8	20	Yellow	Windshield wiper, windshield washer, audio system
	IG2	9	10	Red	ETACS-ECU, valve relay, ABS-ECU, sunroof ECU
Battery		10	20	Yellow	
		11	15	Blue	CD changer, motor antenna, ignition key cylinder illumination lamp, trunk lid and fuel tank door opener actuator, combination meter, ETACS-ECU, instrument panel ECU
Ignition switch IG1		12	10	Red	Alternator relay, motor antenna, centre warning display, assist ECU, ETACS-ECU.
		13	10	Red	Front door module, combination meter, centre warning display, vehicle speed sensor, SRS-ECU, cruise control main switch, instrument panel ECU.
Ignition switch	ACC	14	10	Red	Horn, horn relay
	IG2	-	-	-	
		16	10	Red	Blower relay, blower high relay, defogger relay, A/C-ECU, A/C belt lock ECU
-		17	30	Pink	Spare
		18	10	Red	
		19	15	Blue	
		20	20	Yellow	



16AE113N

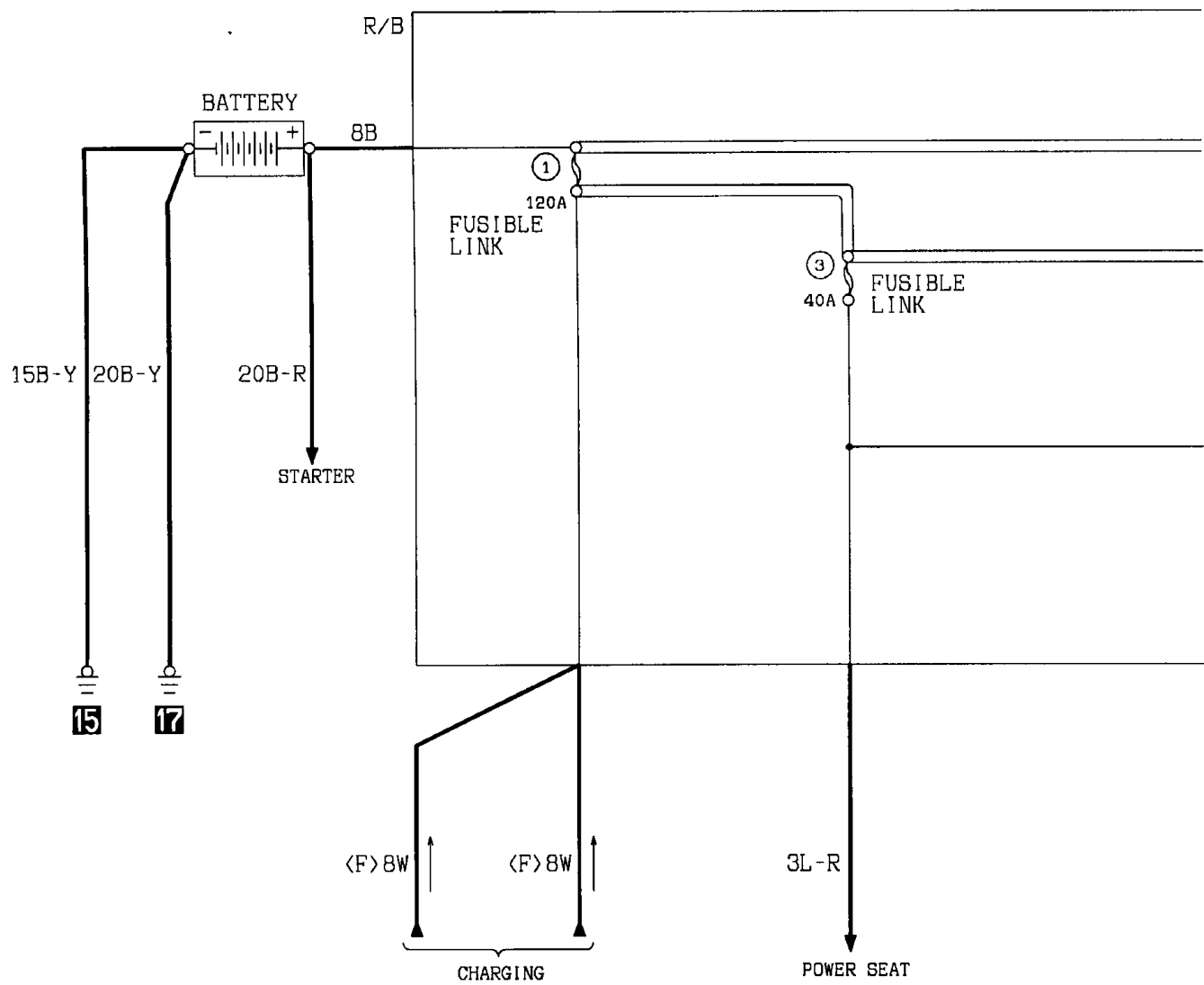
CENTRALISED RELAY (Relay box in engine compartment)

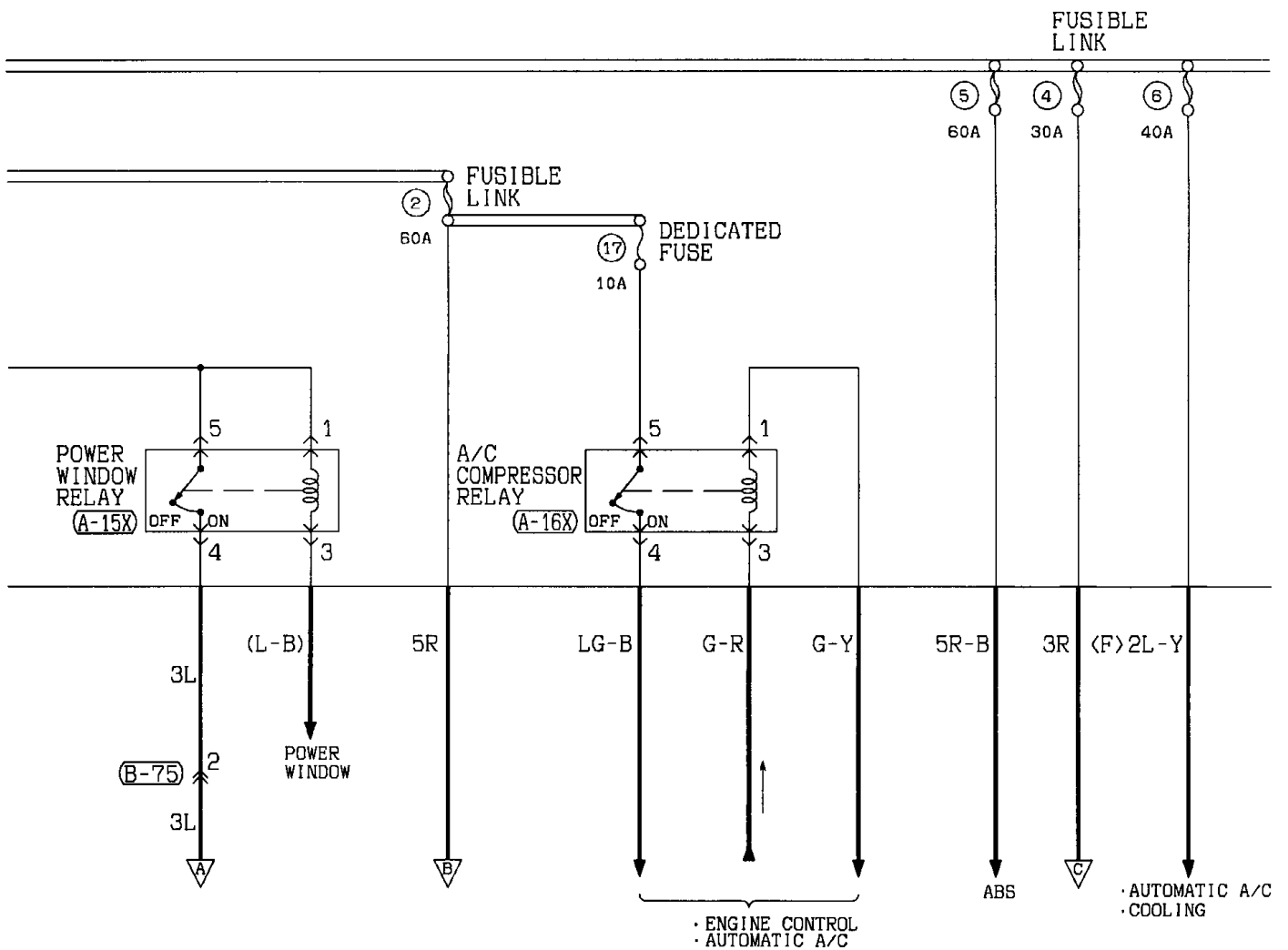
Connector No.	Name	Connector No.	Name
A-15X	Power window relay	A-22X	Radiator fan relay (LO)
A-16X	A/C compressor clutch relay	A-23X	Taillamp relay (LO)
A-17X	Horn relay	A-24X	Headlamp relay (LO)
A-18X	Fog lamp relay (HI)	A-25X	Headlamp relay (HI)
A-19X	Alternator relay	A-26X	–
A-20X	Condenser fan relay (LO)	A-27X	Radiator fan relay (HI)
A-21X	Condenser fan relay (HI)		



16P0011

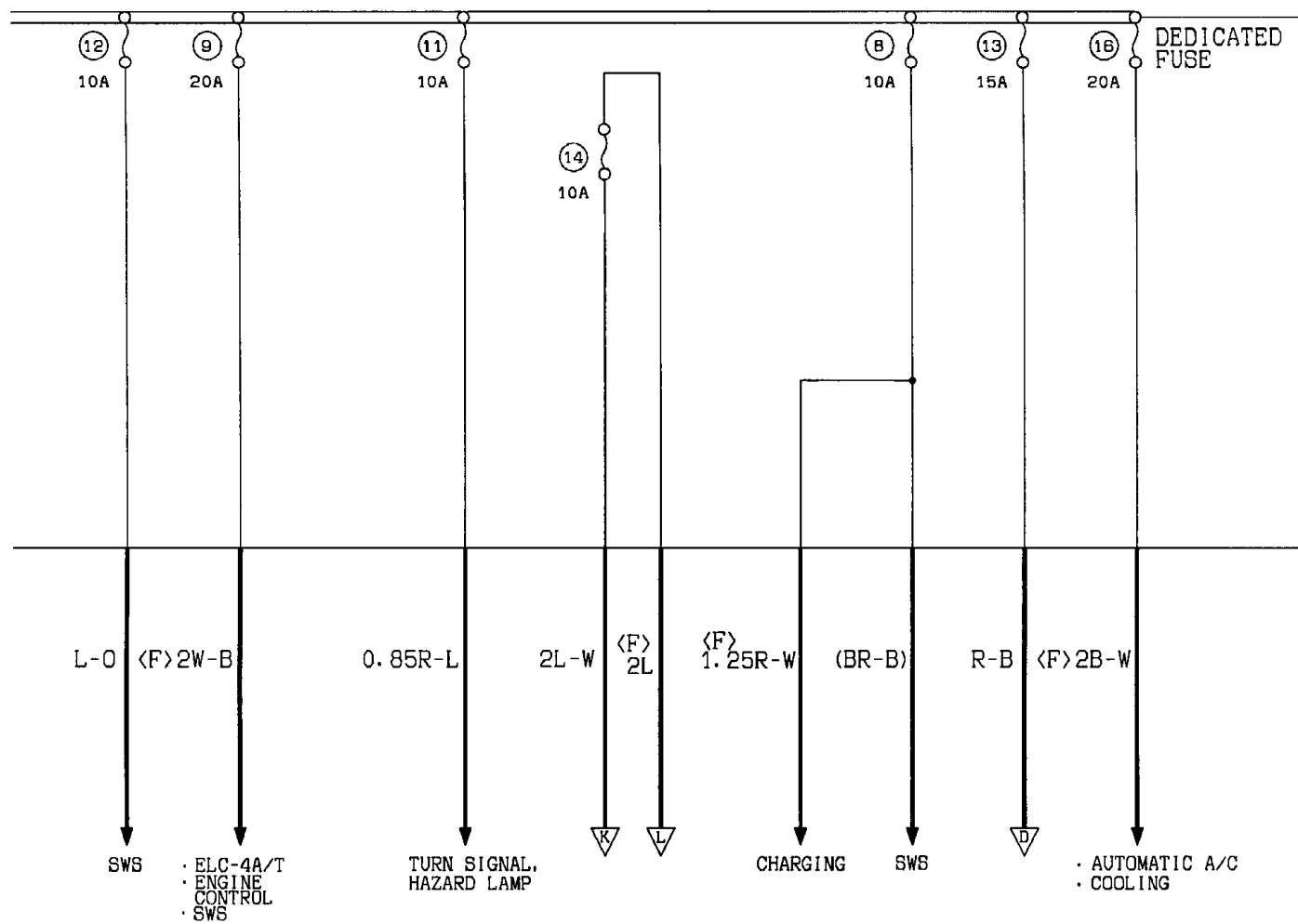
POWER DISTRIBUTION SYSTEM

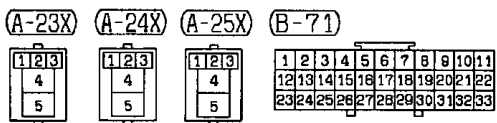
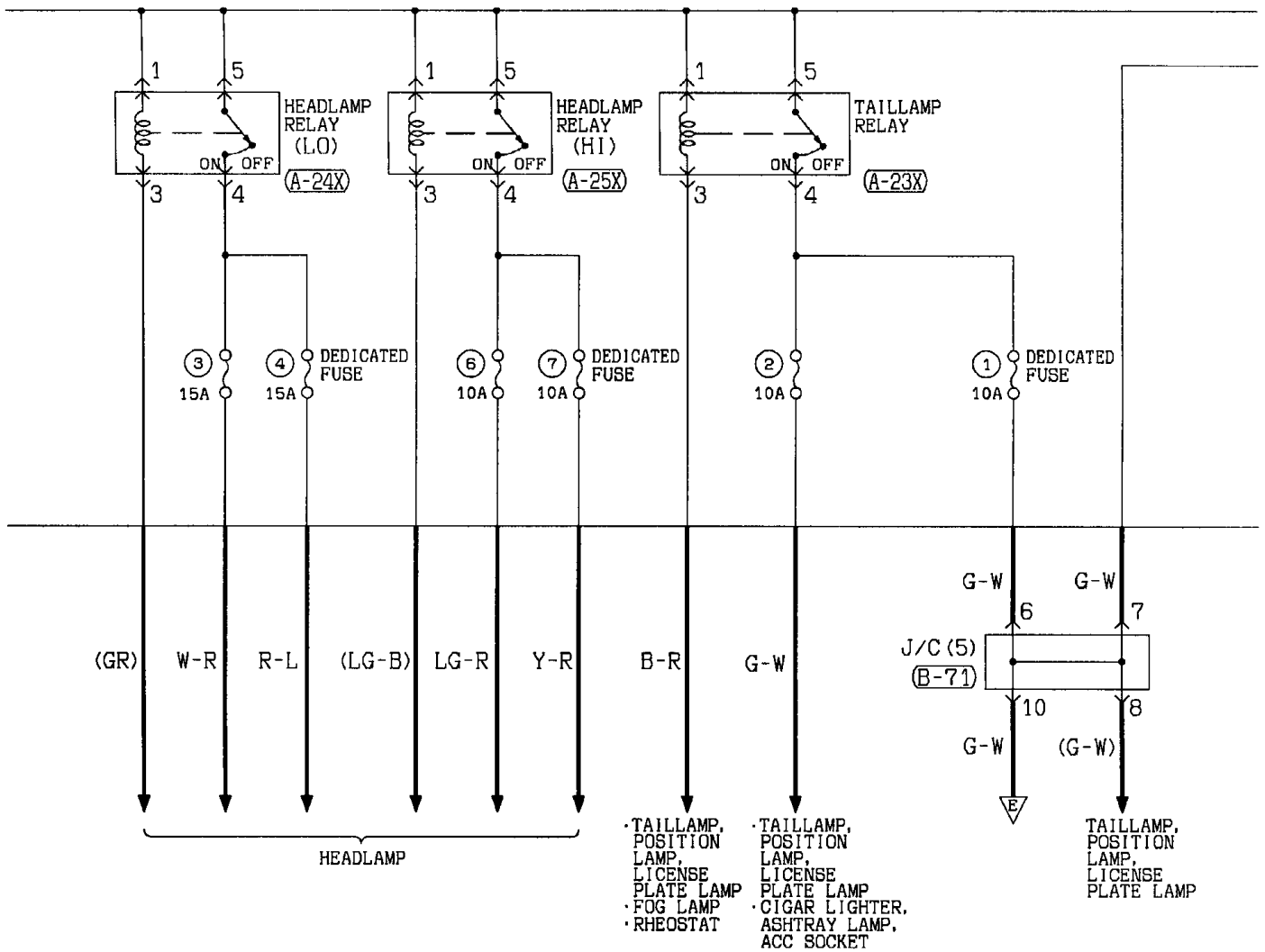




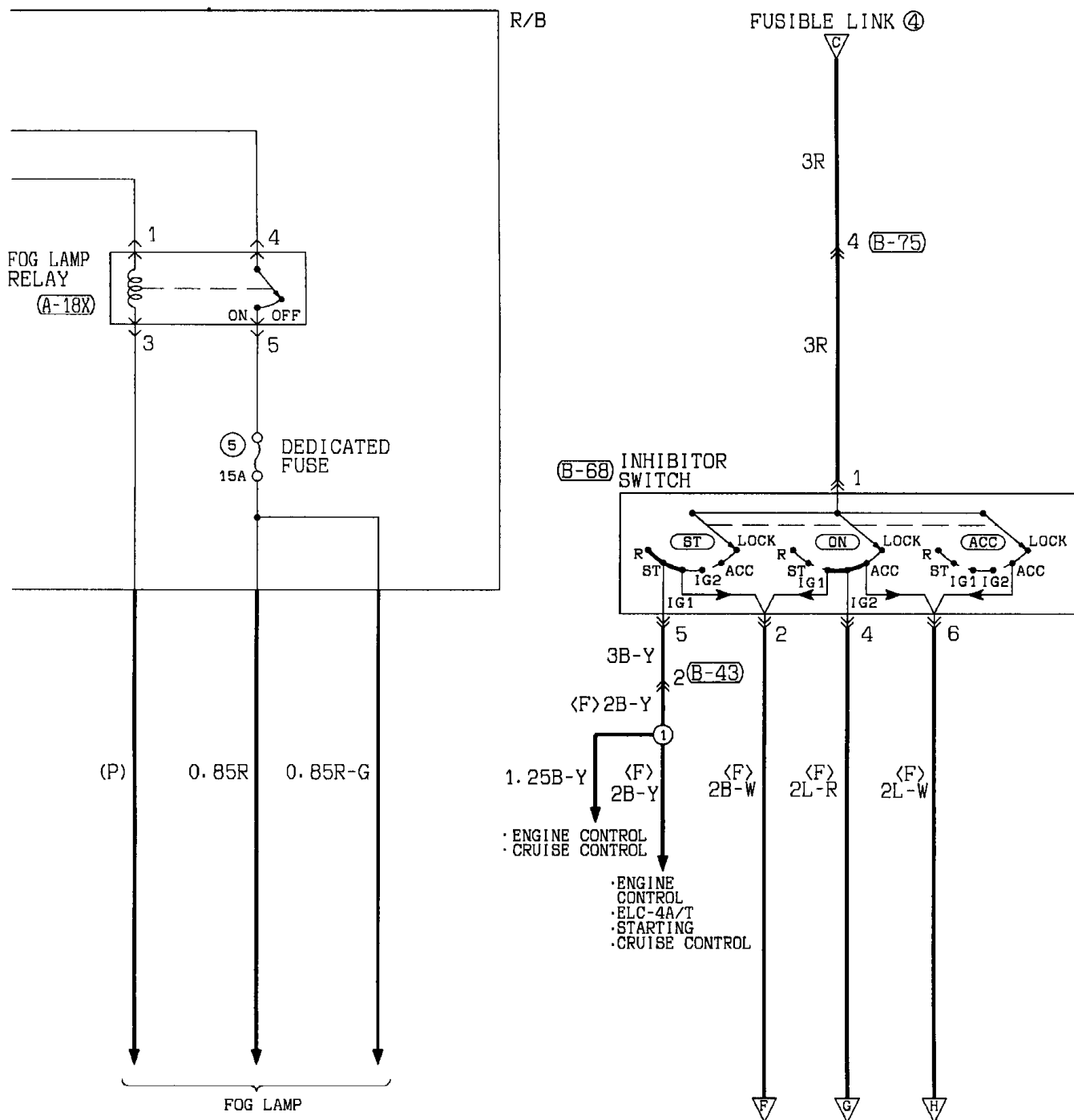
POWER DISTRIBUTION SYSTEM (CONTINUED)

R/B





POWER DISTRIBUTION SYSTEM (CONTINUED)



(A-18X)



(B-43)

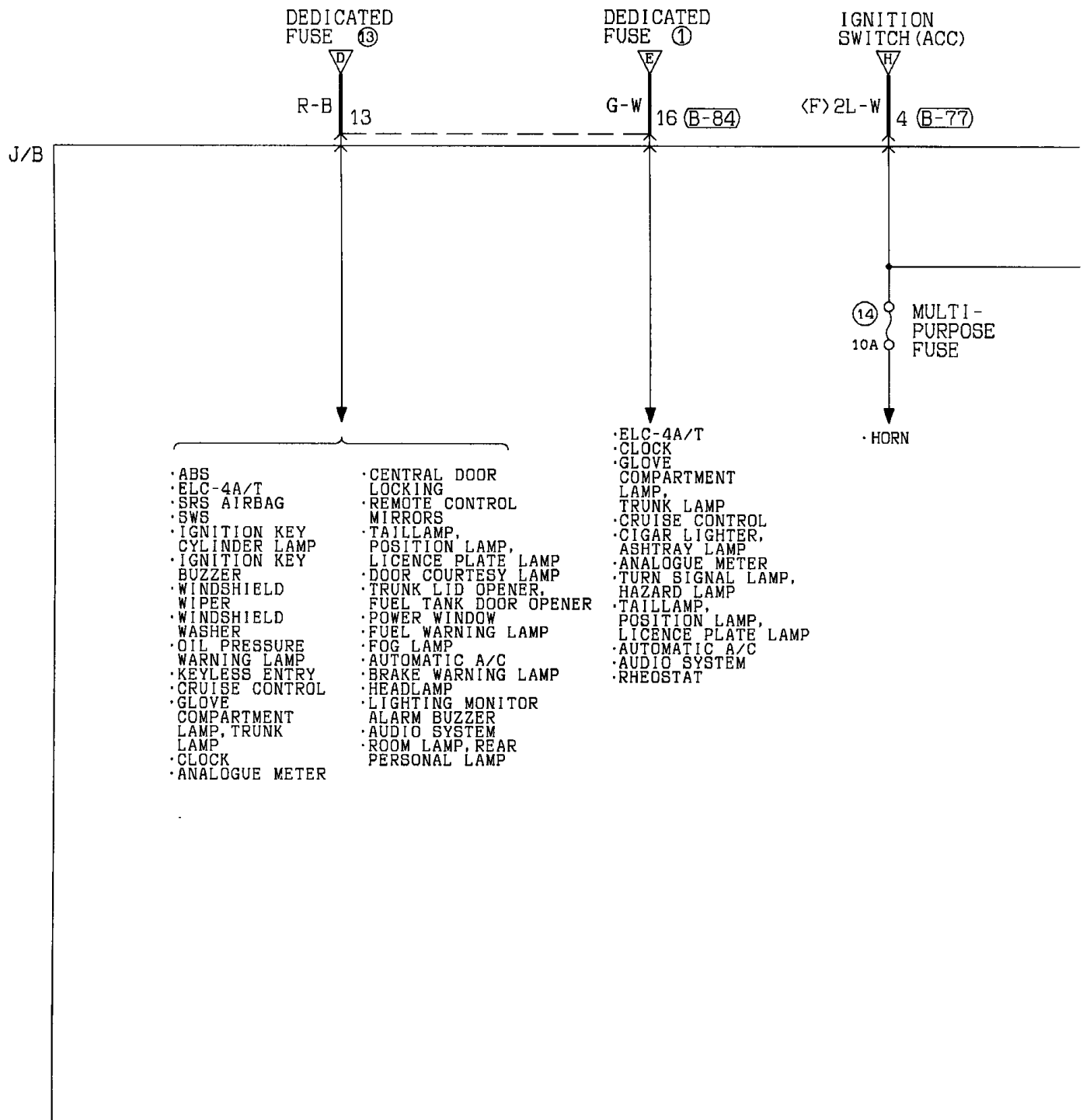


(B-68)



(B-75)





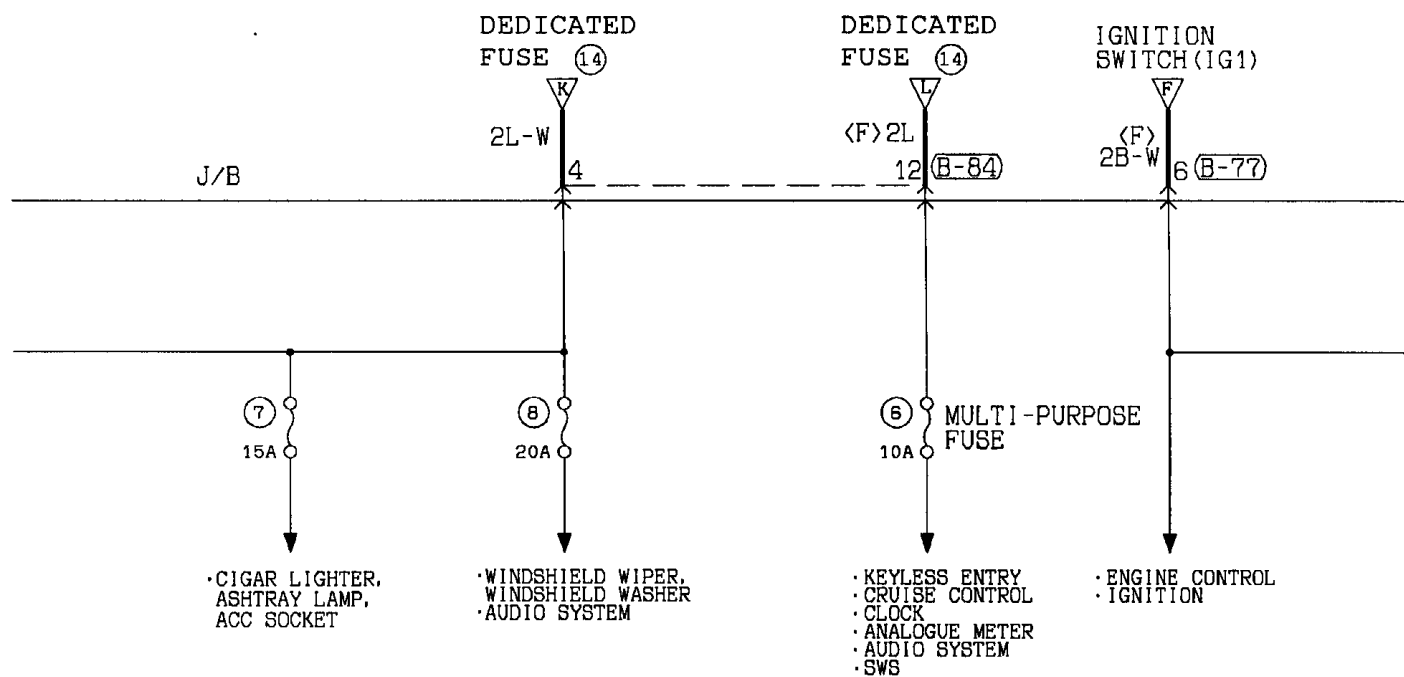
B-77

B-84

1	2
3	4

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

POWER DISTRIBUTION SYSTEM (CONTINUED)

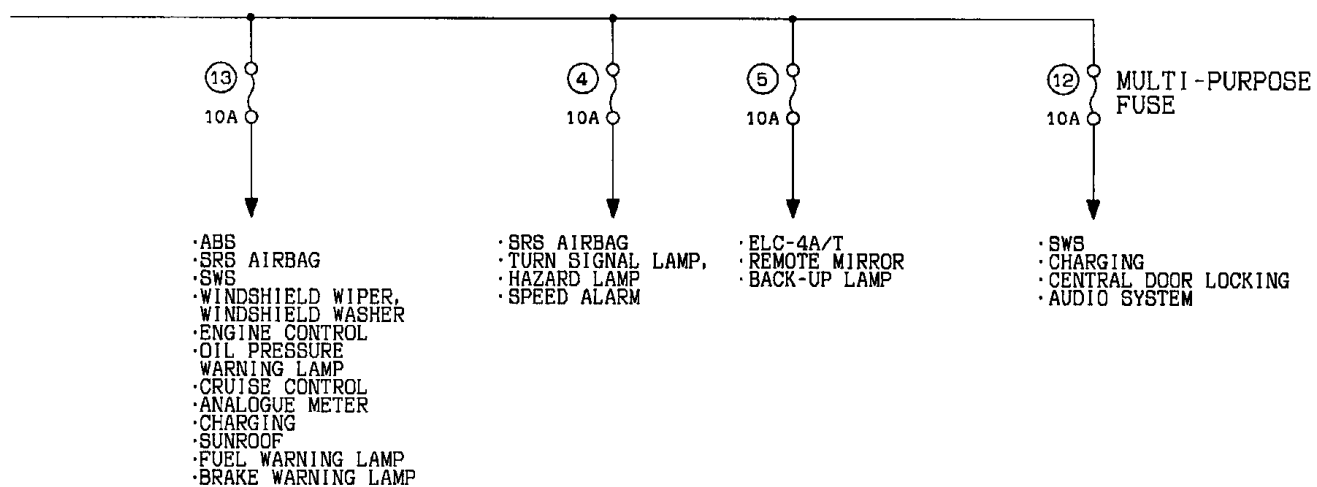


(B-77)

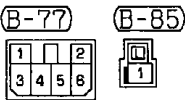
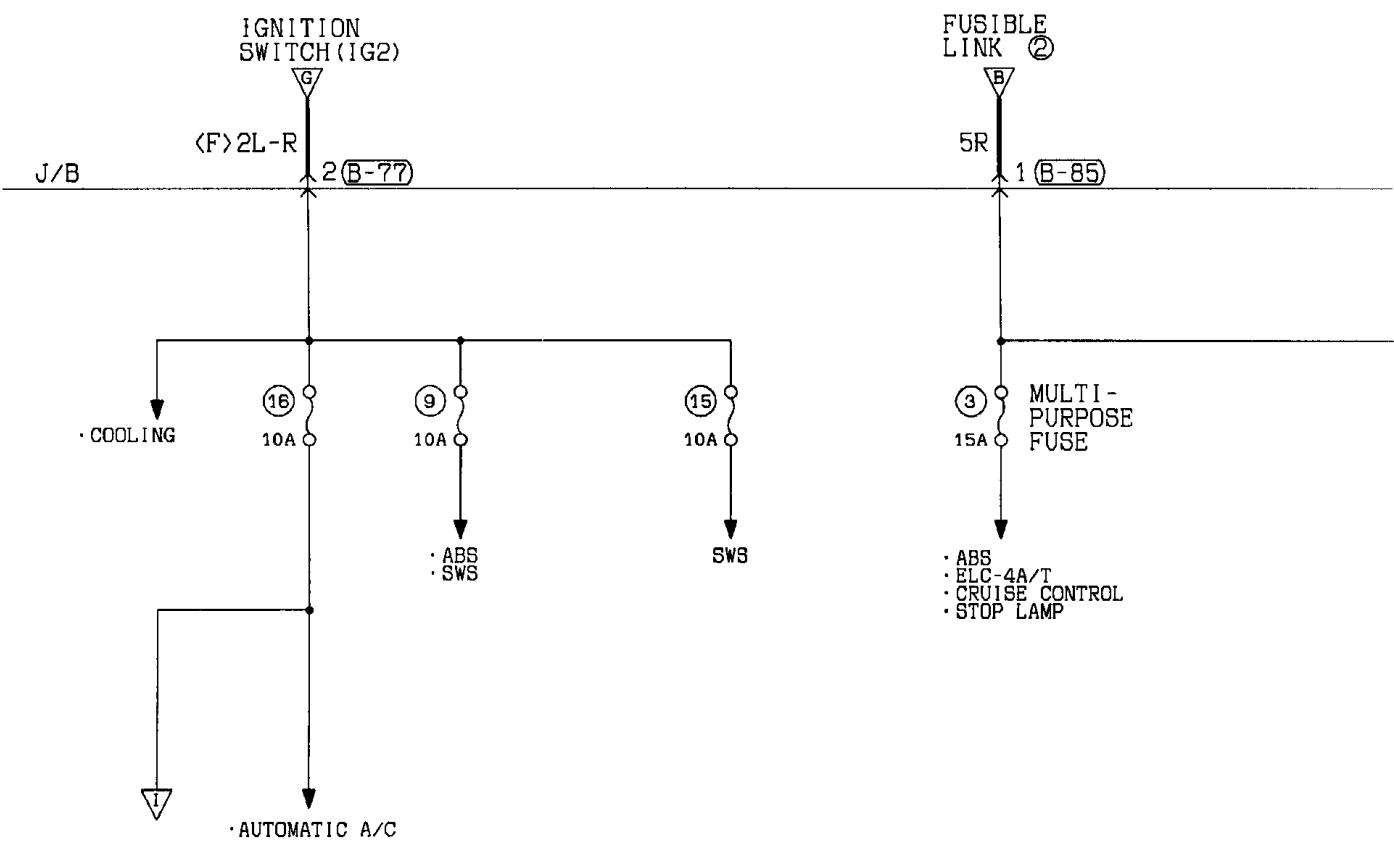
(B-84)

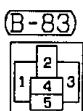
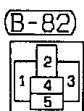
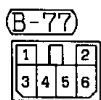
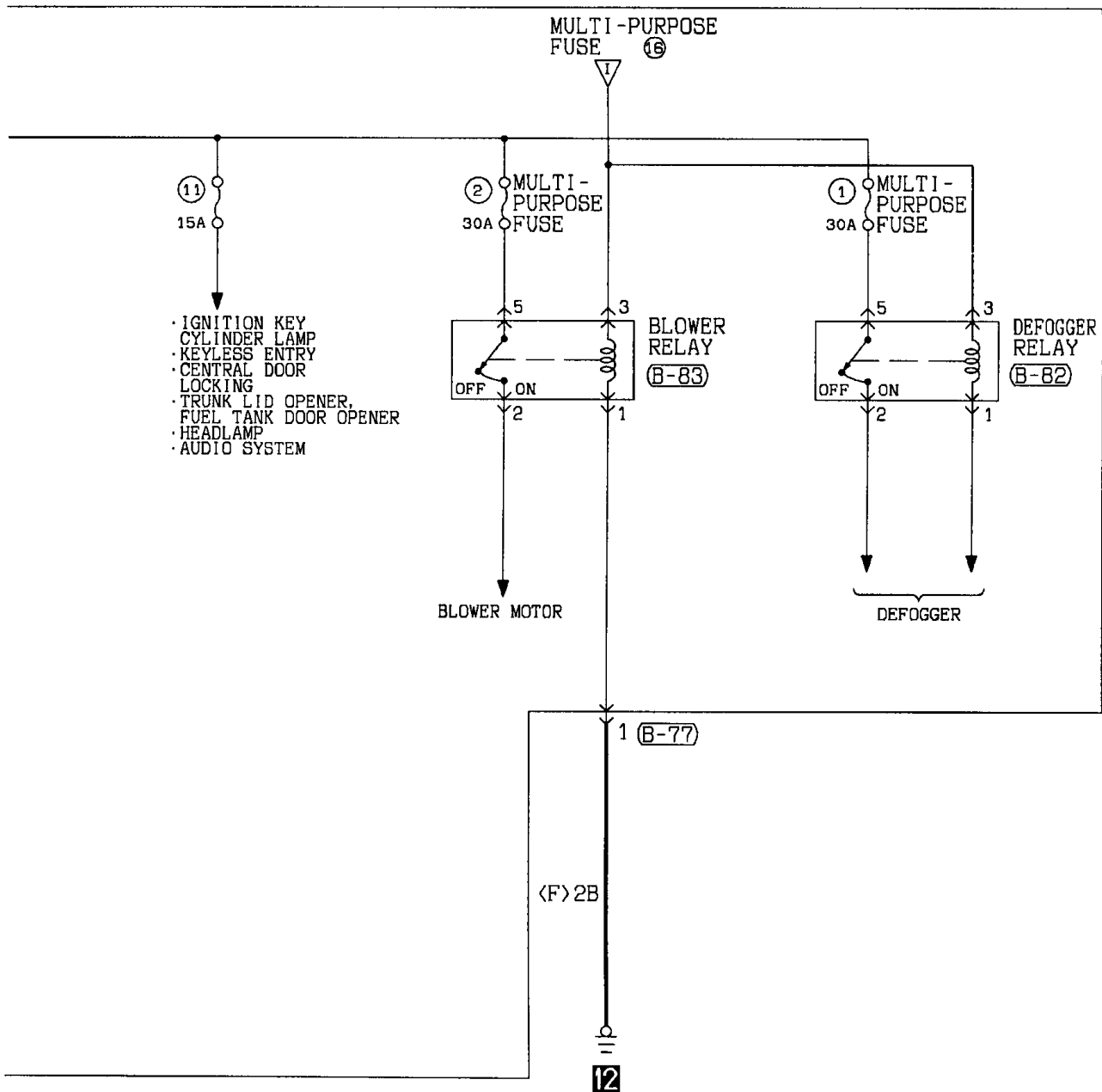
1	2	3	4	5	6
7	8	9	10	11	12

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

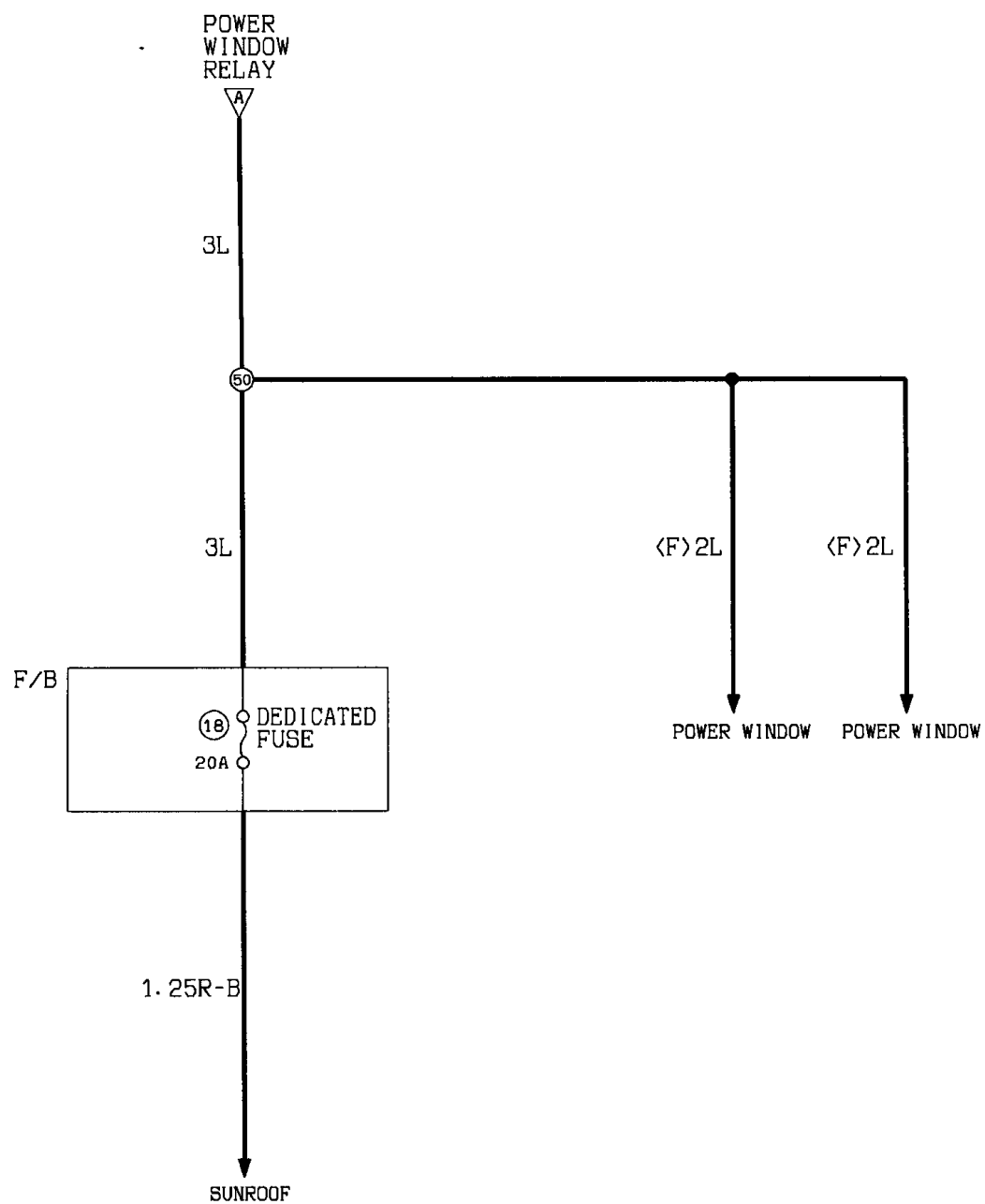


POWER DISTRIBUTION SYSTEM (CONTINUED)





POWER DISTRIBUTION SYSTEM (CONTINUED)



IGNITION SWITCH (IG1)

(F) 2B-W 6

J/B (B-77)

(F) 2B-W 5

(F) 2B-W 1 (B-43)

(F) 2B-W 3

(F) 1.25B-W 1

(A-67) CONDENSER

(F) 1.25B-W 1

IGNITION COIL

DISTRIBUTOR

IGNITION POWER TRANSISTOR

DISTRIBUTOR Ass'y (A-82)

SPARK PLUG

(F) W-G 11 ■ (B-108) 10 ▲ (B-109)

(F) 1.25B 4

(F) 1.25B 2

ENGINE A/T ECU ■

ENGINE ECU ▲

INPUT SIGNAL

- COOLANT TEMP SENSOR
- TDC SENSOR
- IDLE SWITCH
- CRANKSHAFT ANGLE SENSOR
- AIR FLOW SENSOR
- VEHICLE SPEED SENSOR
- VARIABLE RESISTOR
- INHIBITOR SWITCH
- IGNITION SWITCH (ST)
- ELC-4A/T CONTROL UNIT
- OXYGEN SENSOR

Remarks

- ▲ : Vehicles with M/T
- : Vehicles with A/T

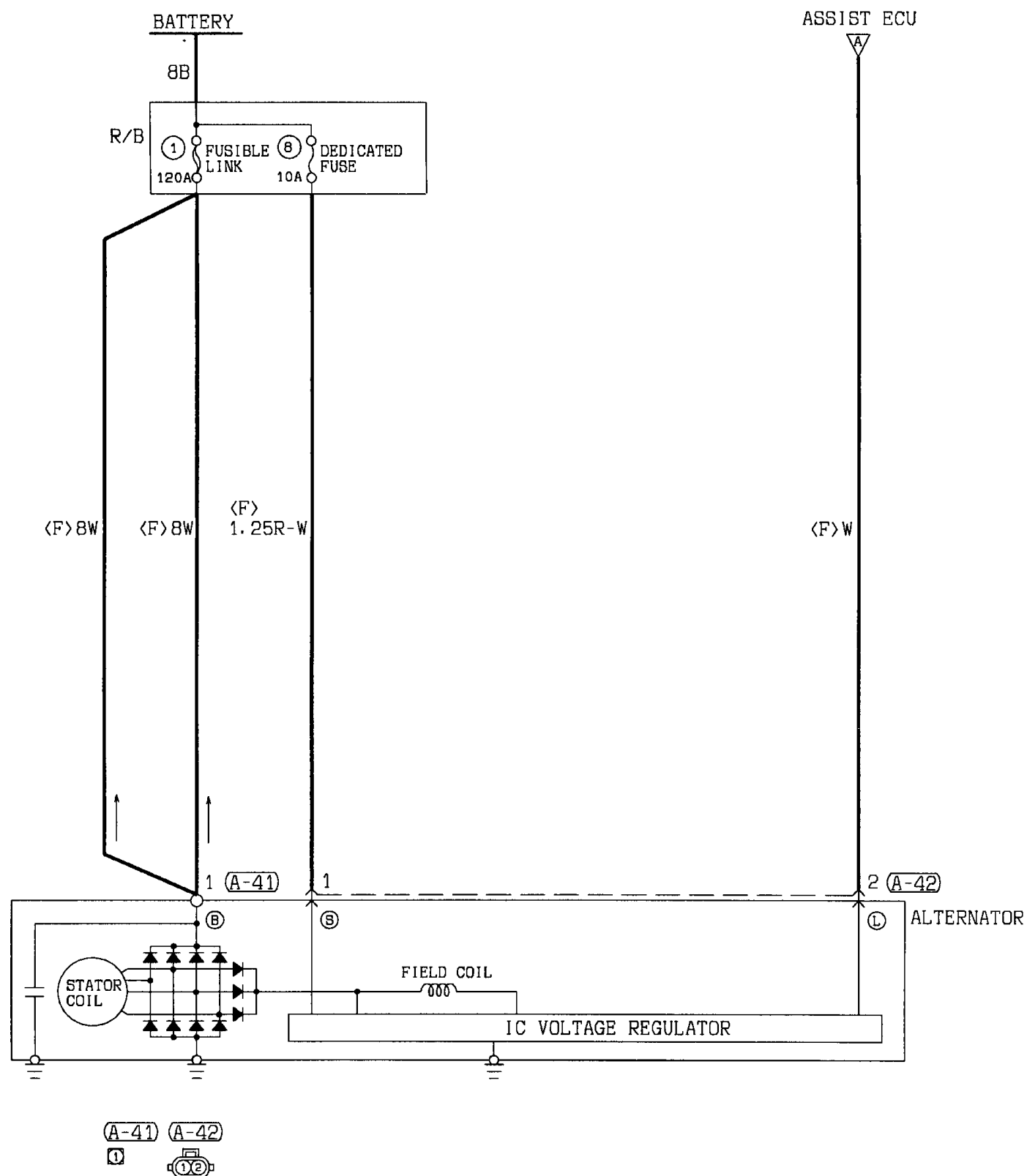
(IGNITION TIMING) CHECK CONNECTOR (A-75)

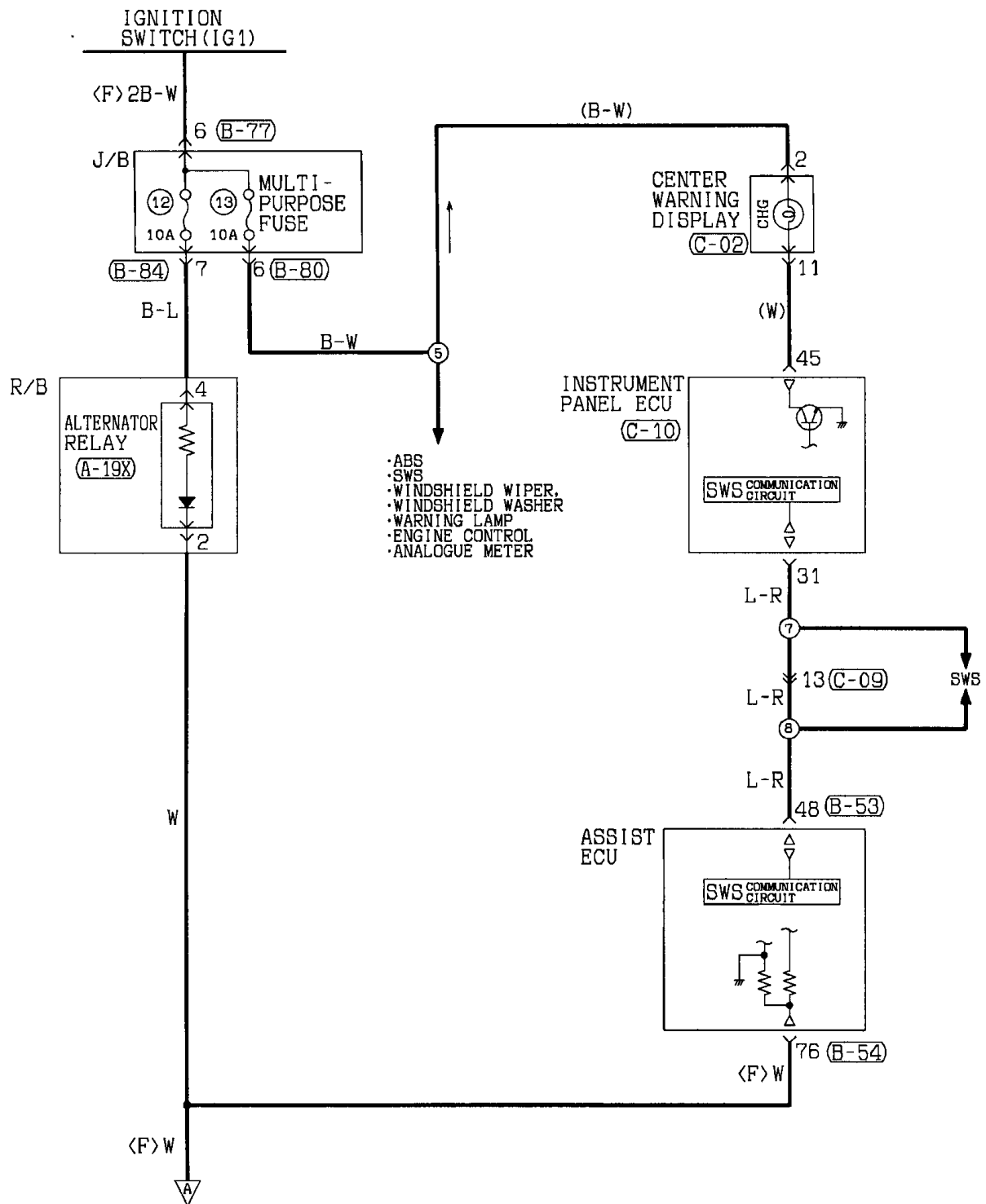
(B-108) ■

1	2	3	4	JAE				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	

NOTES

CHARGING SYSTEM





(A-19X)

1	2
3	4

(B-53)

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

(B-54)

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

(B-77)

1	2
3	4

(B-80)

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

(B-84)

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

(C-02)

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

(C-09)

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

(C-10)

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

CHARGING SYSTEM (See P. 4-26.)**OPERATION****When engine is stopped**

When the ignition switch is switched to the "ON" position, electricity flows from the "L" terminal of the alternator to the rotor coil (field coil), and at the same time the charging warning light illuminates.

When engine is being started/has started

When the engine is started, charging voltage is applied to the "L" terminal of the alternator, with the result that the charging warning light is extinguished.

In addition, because battery voltage is applied to the "S" terminal of the alternator, this battery voltage is monitored at the IC voltage regulator, thus switching ON and OFF the current to the rotor coil (field coil) and thereby controlling the output voltage of the alternator.

Power is supplied to each load from the "B" terminal of the alternator.

NOTE

The alternator relay functions as a back-up for the flow of electricity to the rotor coil (field coil) if there is an open circuit or damaged wiring in the charging warning light.

<Charging system warning light>

This warning light illuminates when the ignition key is in "ON" position, and goes off after the engine has started. This indicator comes on when the drive belt breaks or there is a malfunction in the charging system.

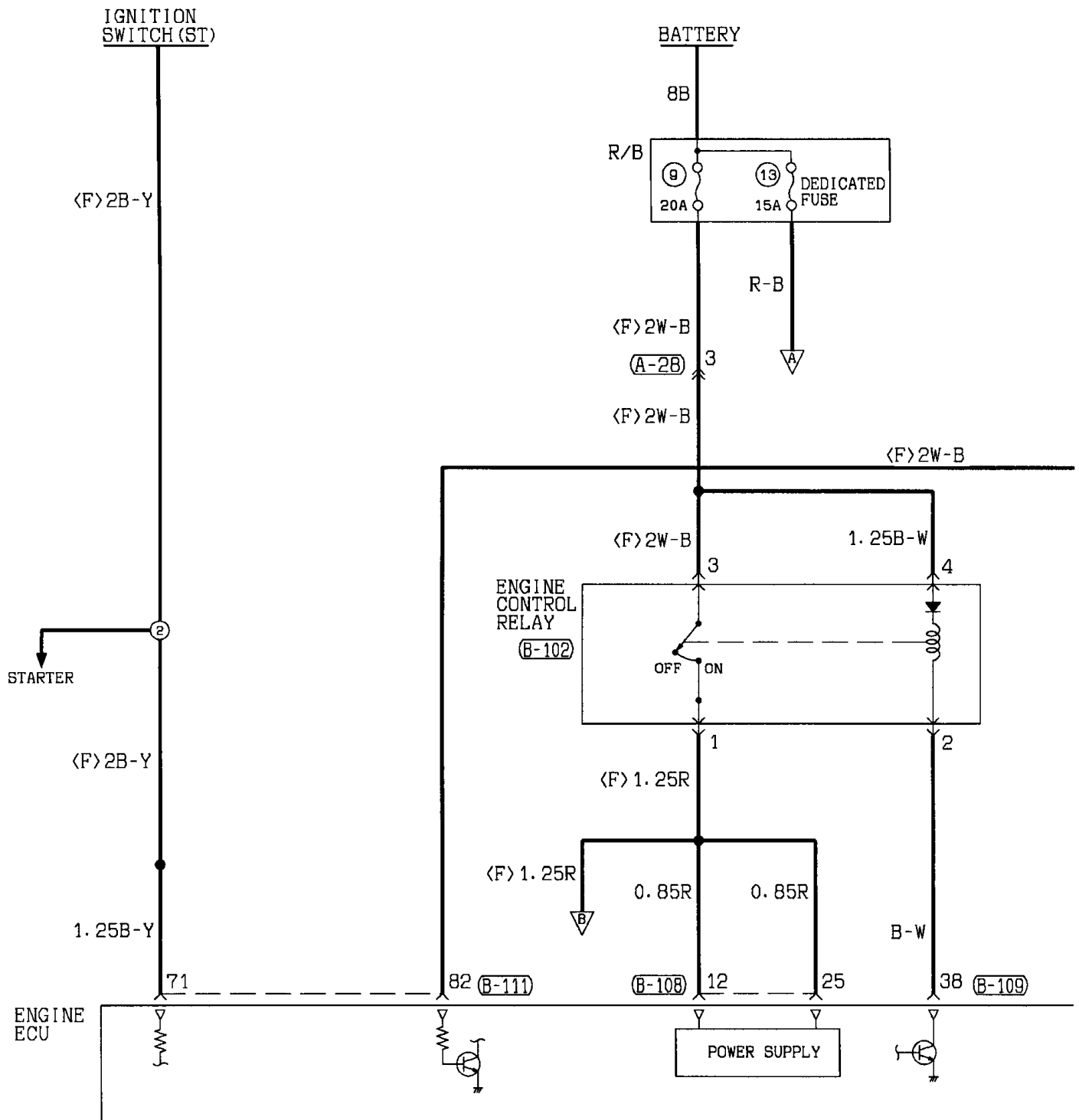
TROUBLESHOOTING HINTS

1. Charging warning light does not go on when the ignition switch is turned to "ON", before the engine starts.
 - Check the bulb.
2. Charging warning light fails to go off once the engine starts.
 - Check the IC voltage regulator (located within the alternator).
3. Discharged or overcharged battery.
 - Check the IC voltage regulator (located within the alternator).

NOTES

MPI SYSTEM

Manual transmission vehicles



(A-28)

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

(B-43)

1	2
3	4

(B-102)

1	2
3	4

(B-108)

JAE

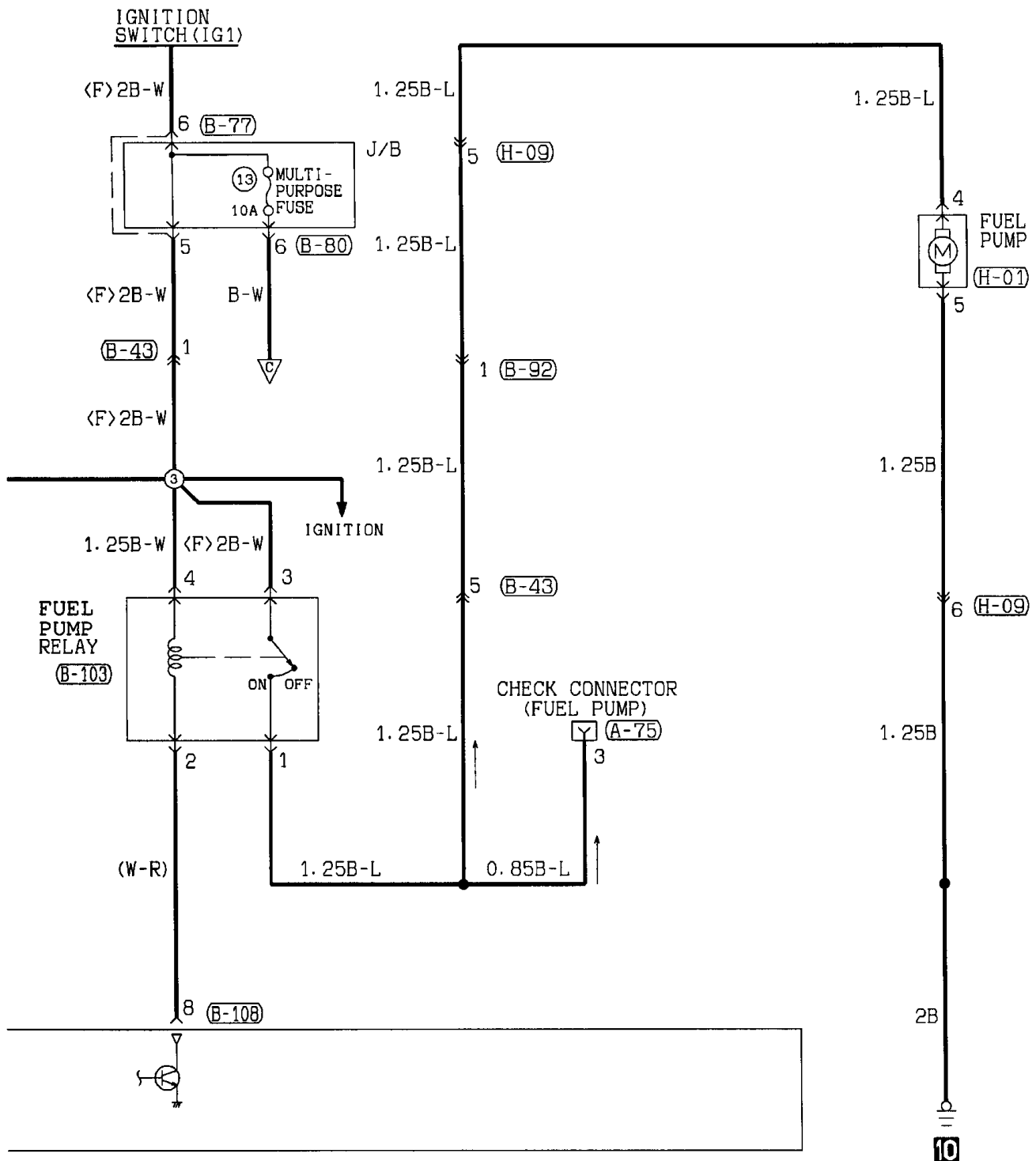
1	2	3	4	5	6	7	8	9	10	11
14	15	16	17	18	19	20	21	22	23	24

(B-109)

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

(B-111)

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



(A-75)

1
2 3

(B-43)

1	2
3	4 5 6

(B-92)

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

(B-77)

1	2
3	4 5 6

(B-80)

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

(B-108)

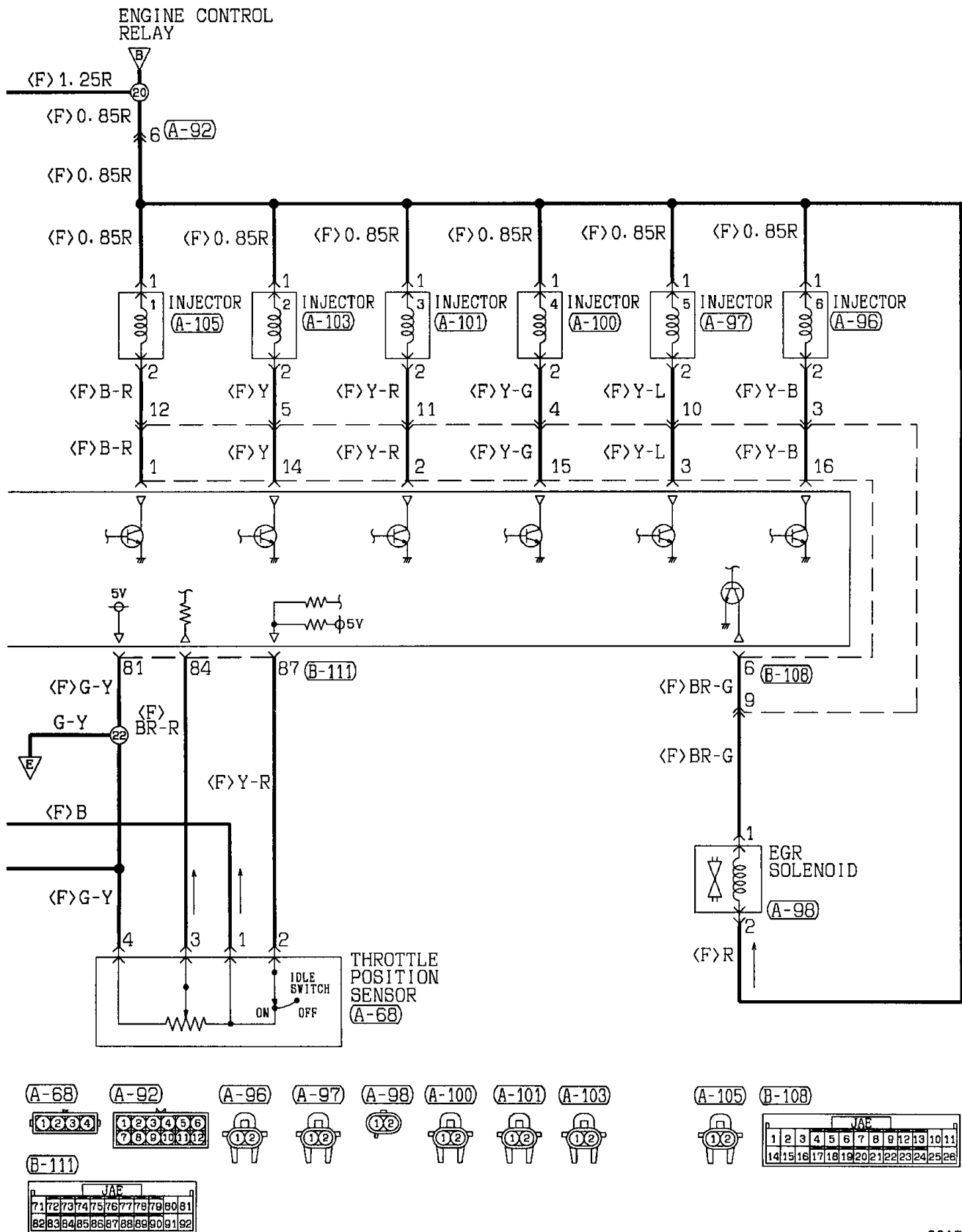
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26							

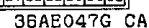
(H-09)

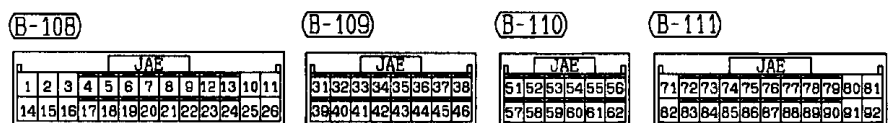
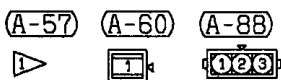
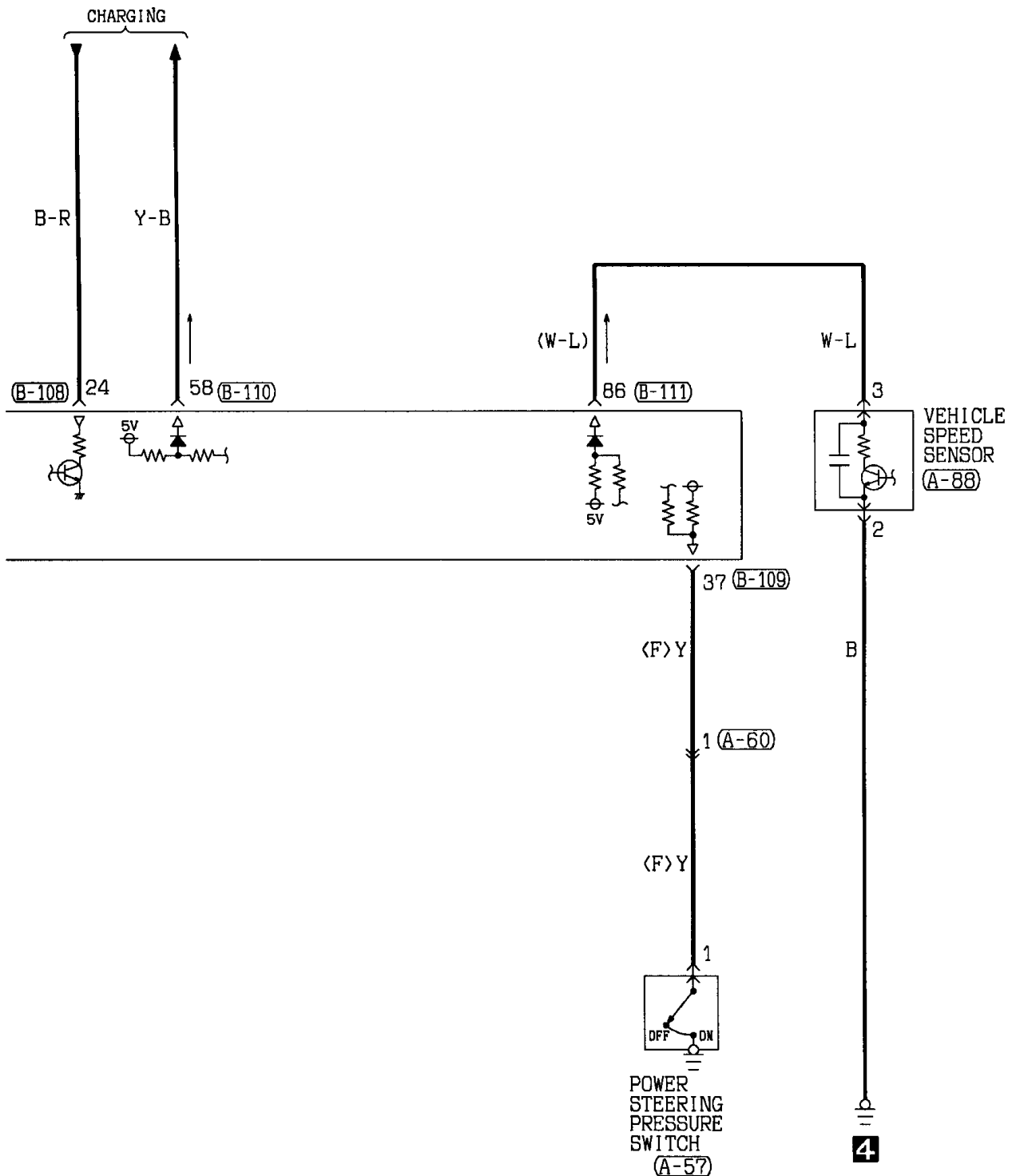
1	2	3
4	5	6

(H-01)

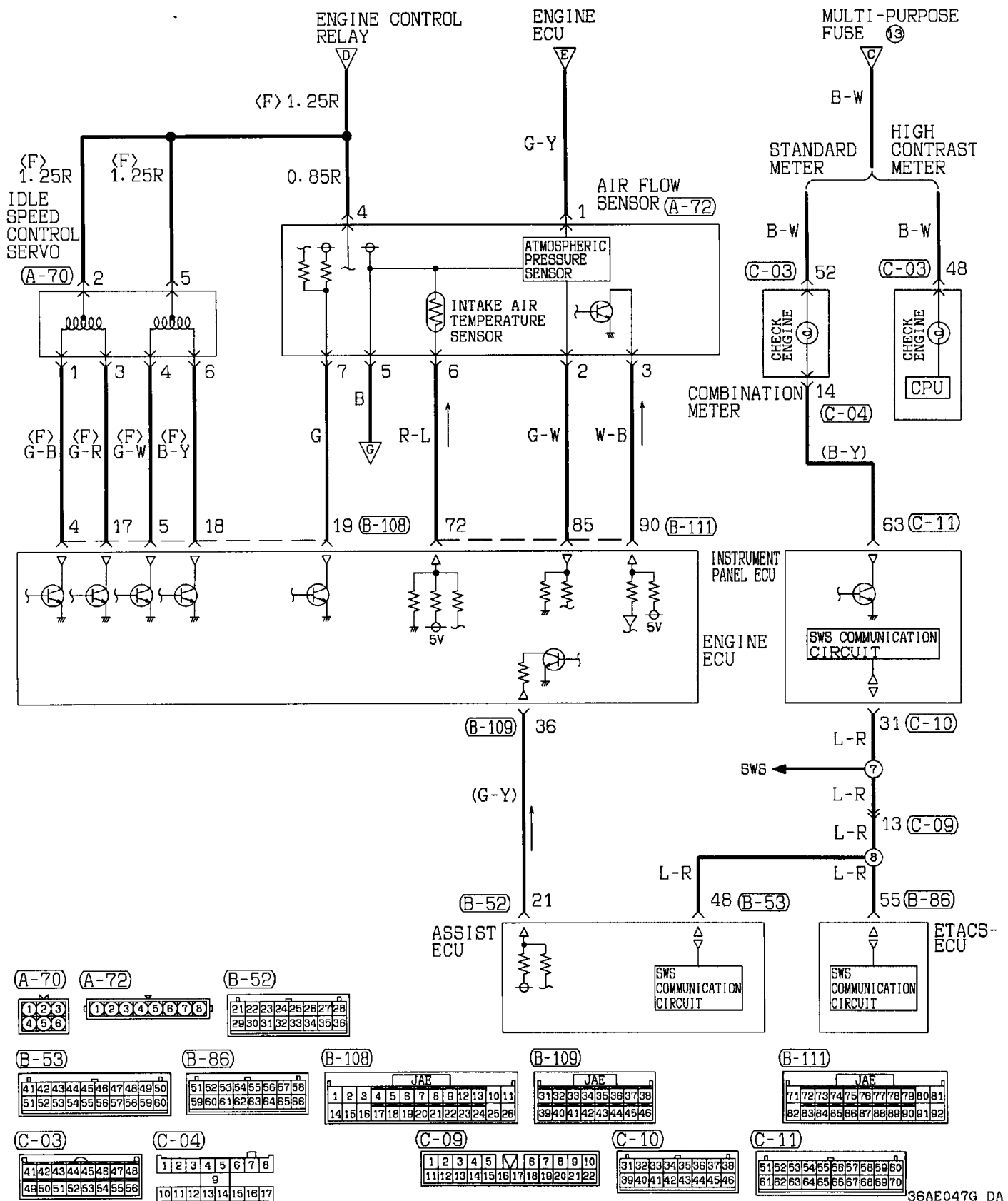
1	2	3	4	5
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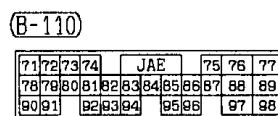


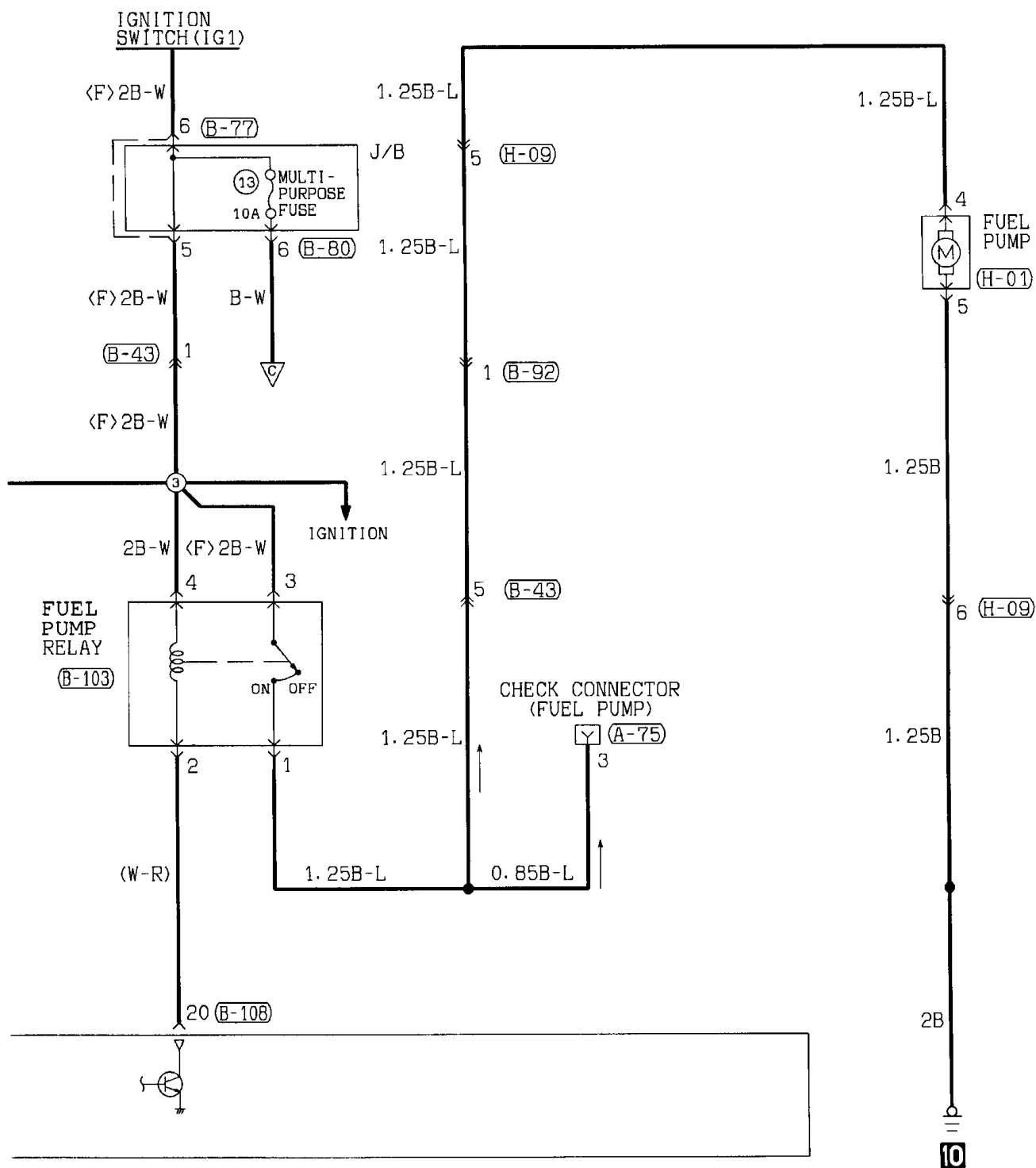
MPI SYSTEM <Manual transmission vehicles> (CONTINUED)



NOTES

Automatic transmission vehicles





(A-75)

(B-43)

(B-92)

(B-77)

(B-80)

(B-108)

1	2
3	4

1	2
3	4

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	9
10	11	12	13	14	15	16	17	18

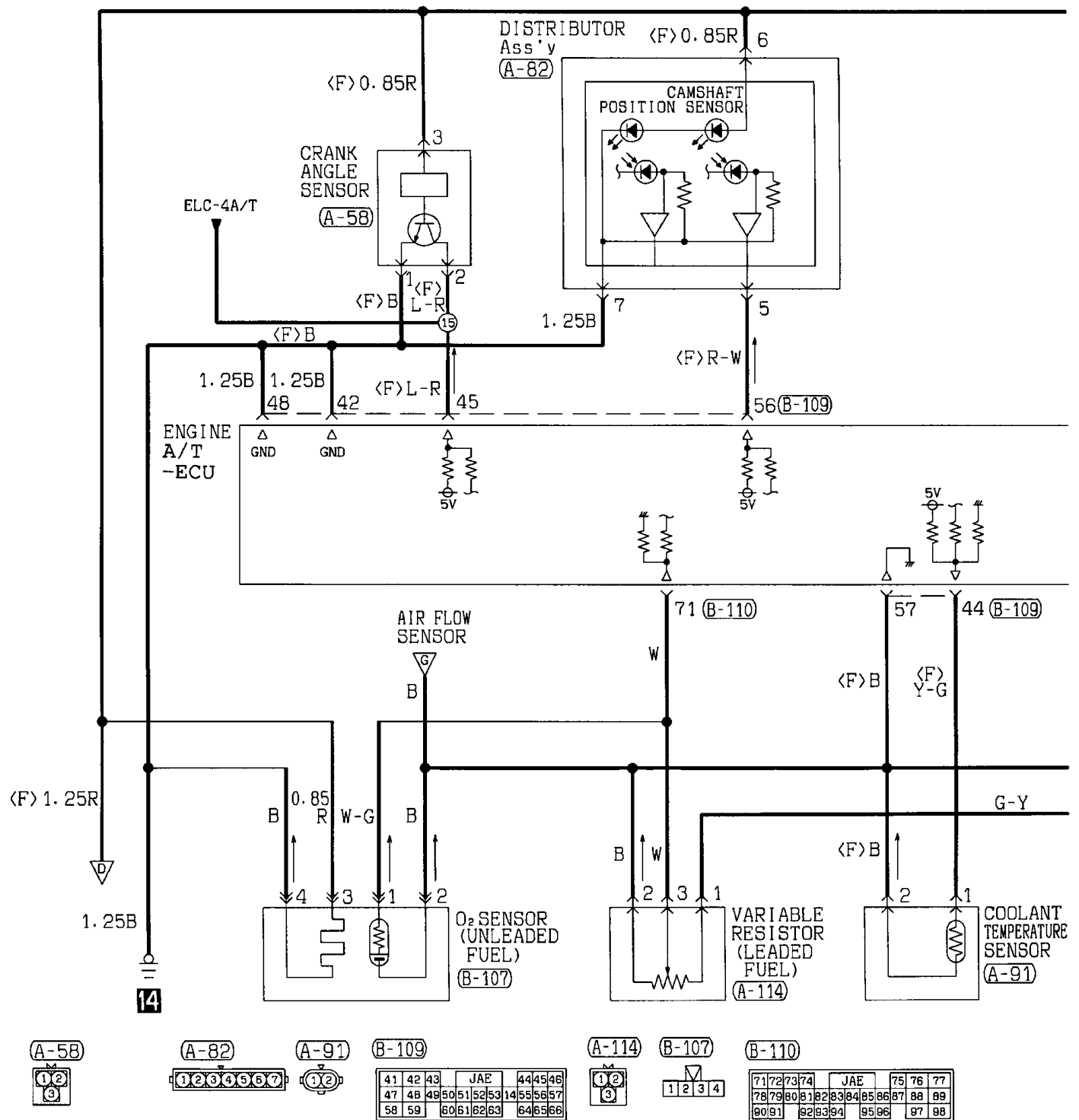
1	2	3	4	JAE	5	6	7	8
9	10	11	12	13	14	15	16	17

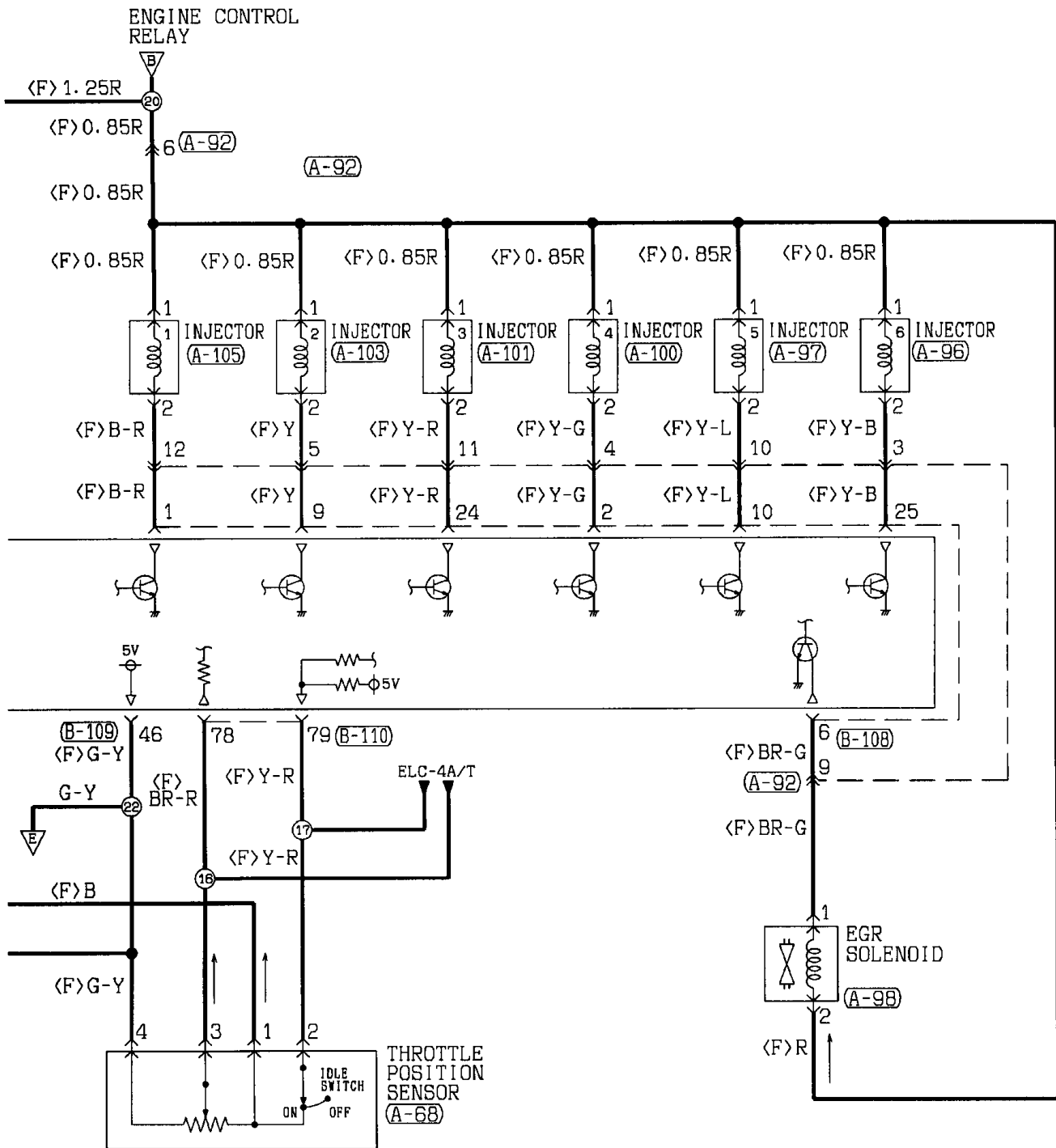
1	2	3
4	5	6

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

1	2
3	4

MPI SYSTEM <Automatic transmission vehicles> (CONTINUED)

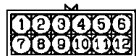




(A-68)



(A-92)



(A-96)



(A-97)



(A-98)



(A-100)



(A-101)



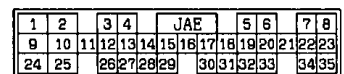
(A-103)



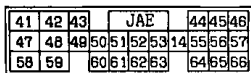
(A-105)



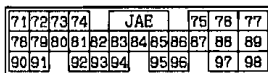
(B-108)

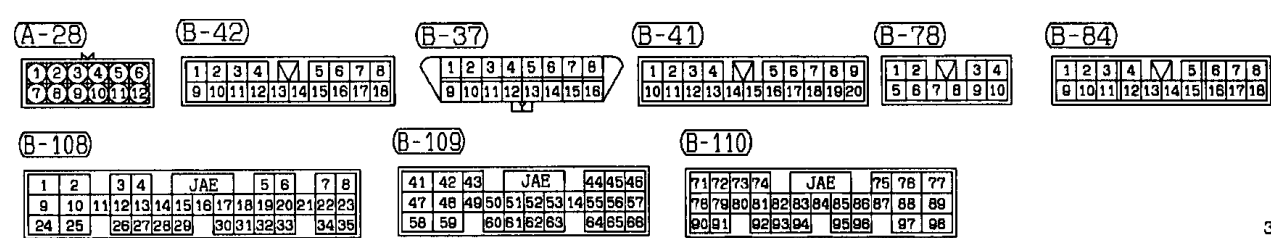


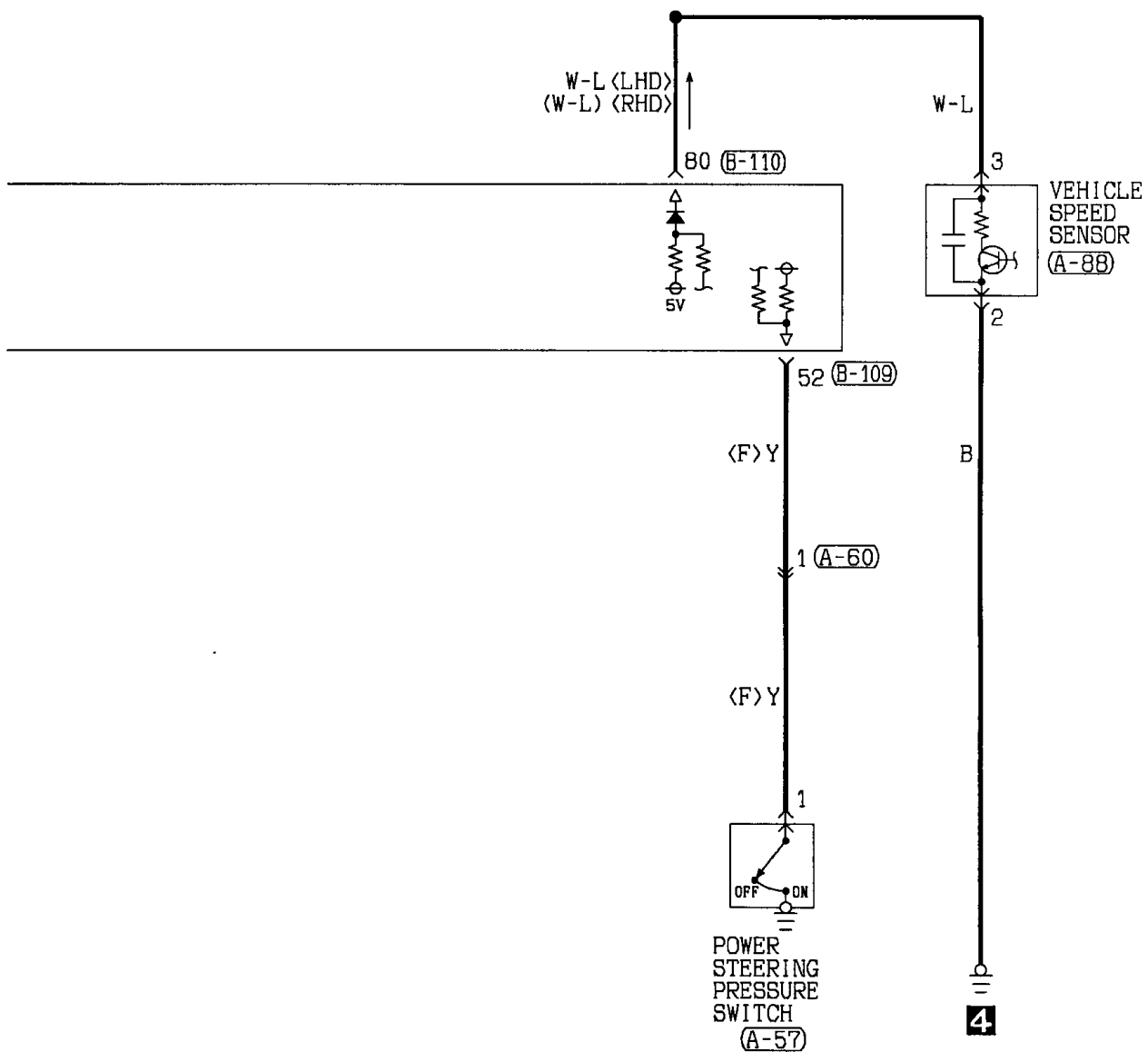
(B-109)



(B-110)







(A-57)

(A-60)

(A-88)

(B-109)

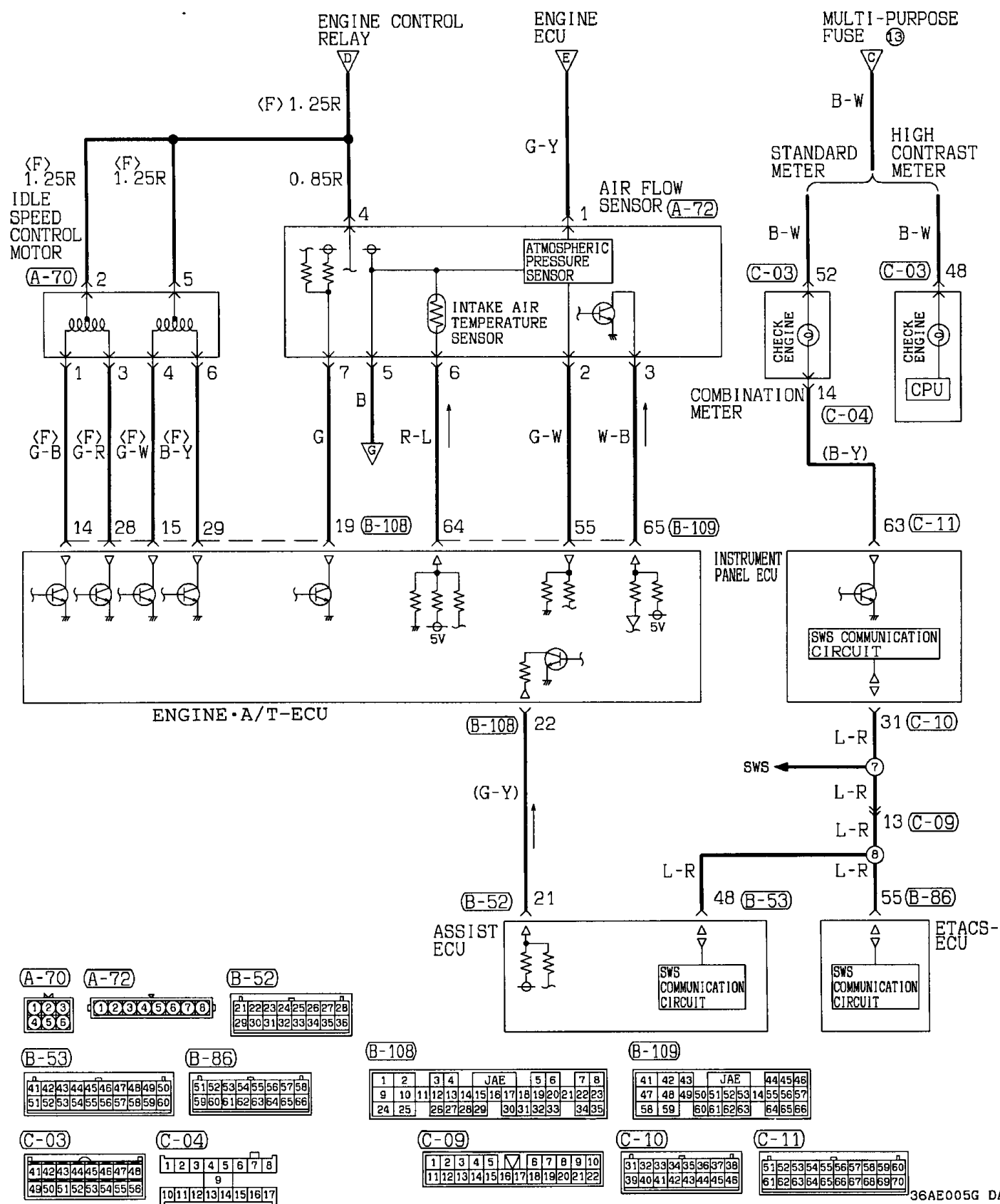
(B-110)



41	42	43	JAE	44	45	46
47	48	49	50	51	52	53
54	55	56	57	58	59	60
61	62	63	64	65	66	

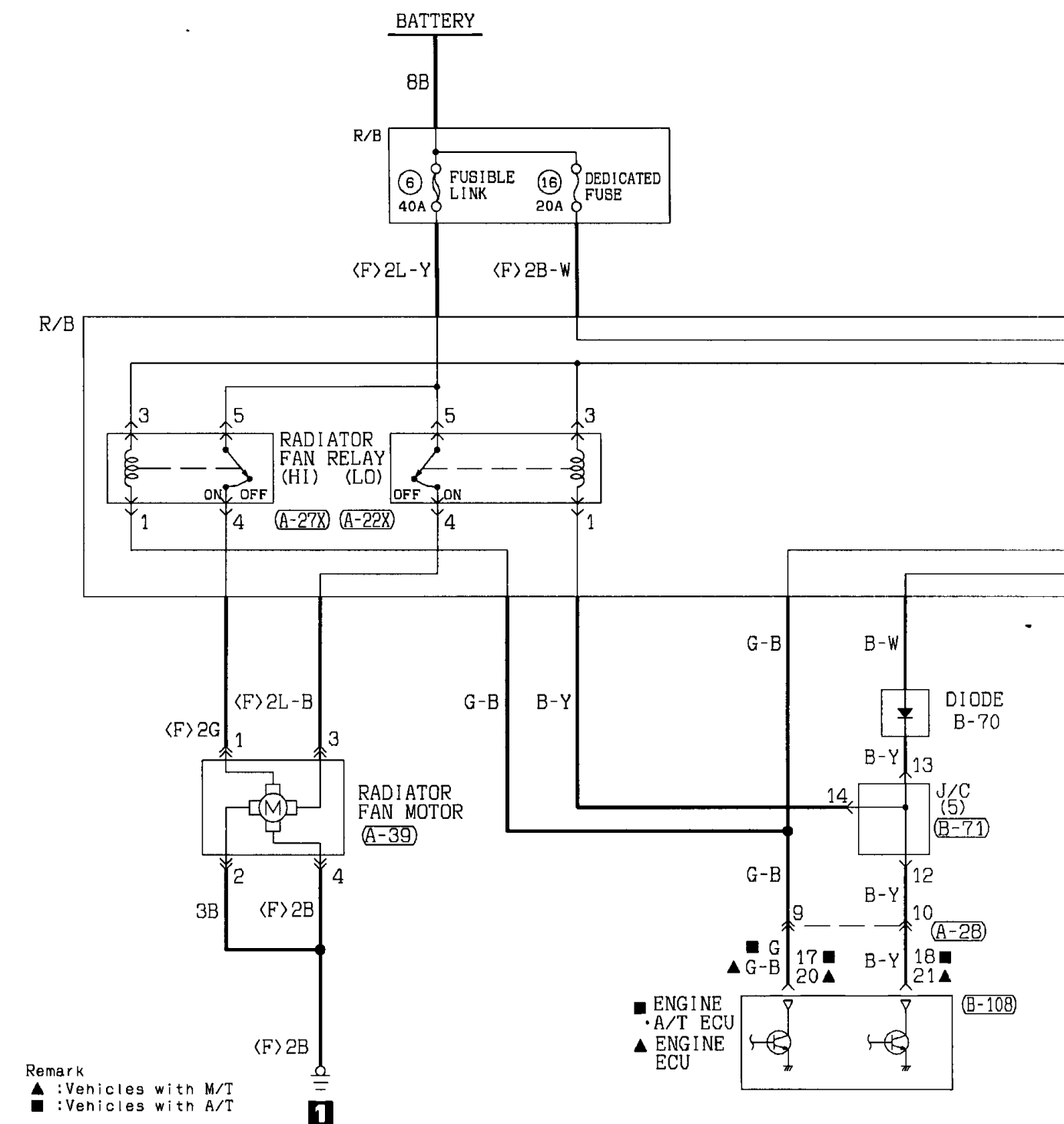
71	72	73	74	JAE	75	76	77
78	79	80	81	82	83	84	85
86	87	88	89	90	91	92	93
94	95	96	97	98			

MPI SYSTEM <Automatic transmission vehicles> (CONTINUED)



NOTES

COOLING SYSTEM



(A-22X)

1	2	3
4		
5		

(A-27X)

1	2	3
4		
5		

(A-28)

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

(A-39)

1	2
3	4

(B-71)

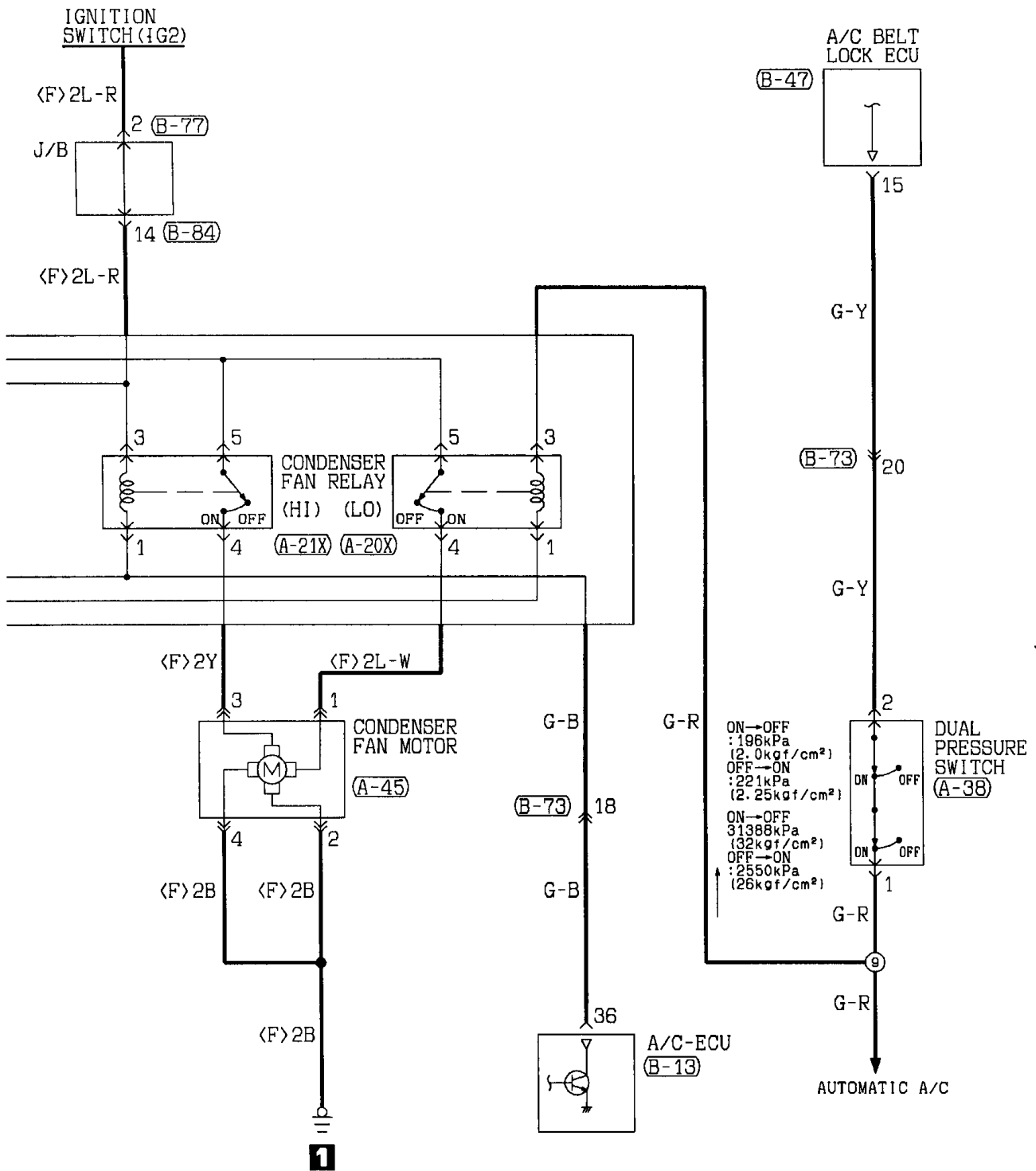
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-108) ▲

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

(B-108) ■

1	2	3	4	JAE	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



(A-20X) (A-21X) (A-38) (A-45) (B-13)

1	2	3
4		
5		

1	2	3
4		
5		

1	2
3	4

1	2
3	4

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

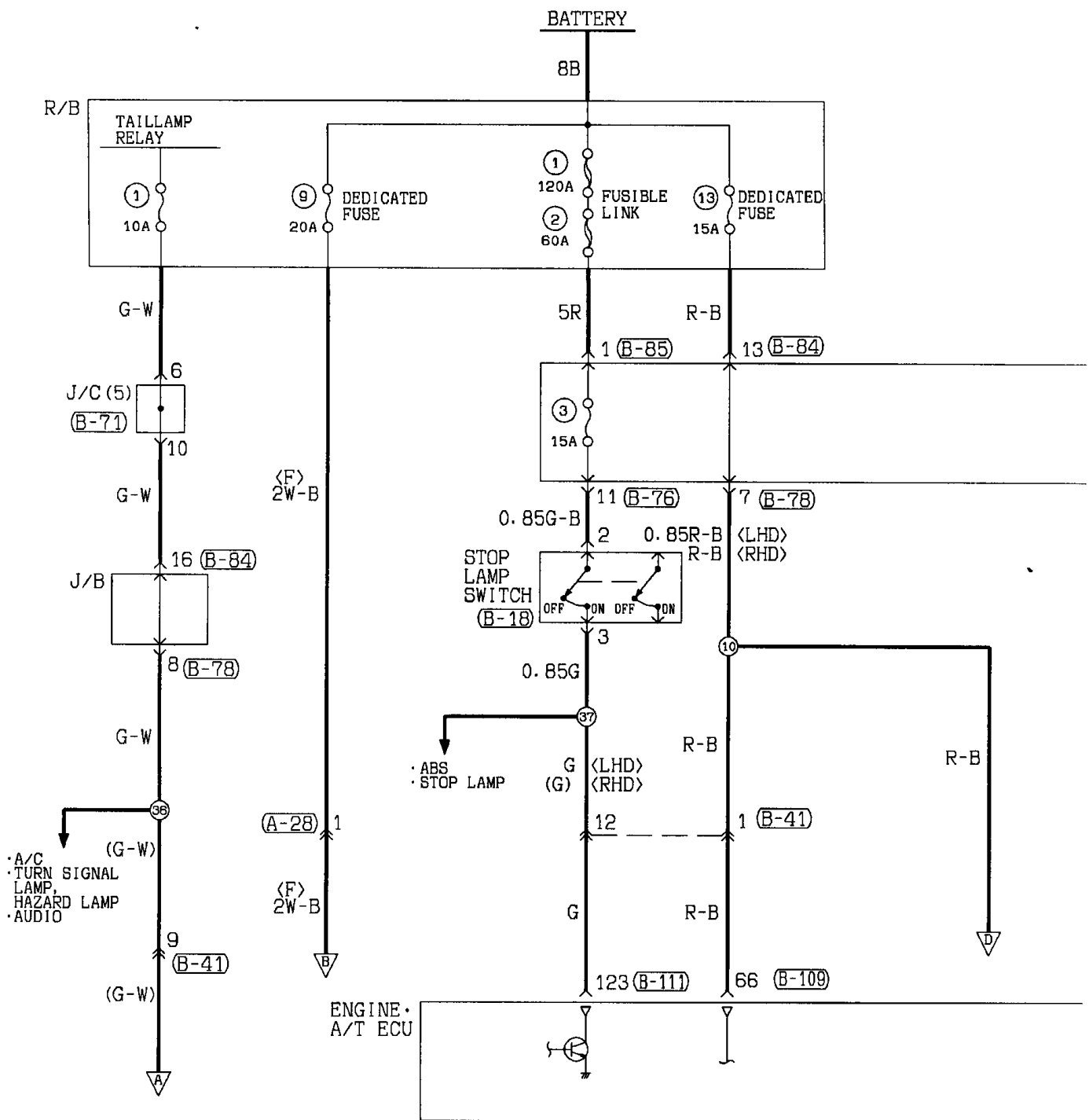
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

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

1	2
3	4
5	6

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

ELC 4-SPEED AUTOMATIC TRANSMISSION



(A-28)

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

(B-18) (B-41)

1	2
3	4

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

(B-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	34	35	36	37	38	39	40

(B-109)

41	42	43	JAE	44	45	46
47	48	49	50	51	52	53
54	55	56	57	58	59	60
61	62	63	64	65	66	67

(B-76)

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

(B-78)

1	2	3	4
5	6	7	8

(B-84)

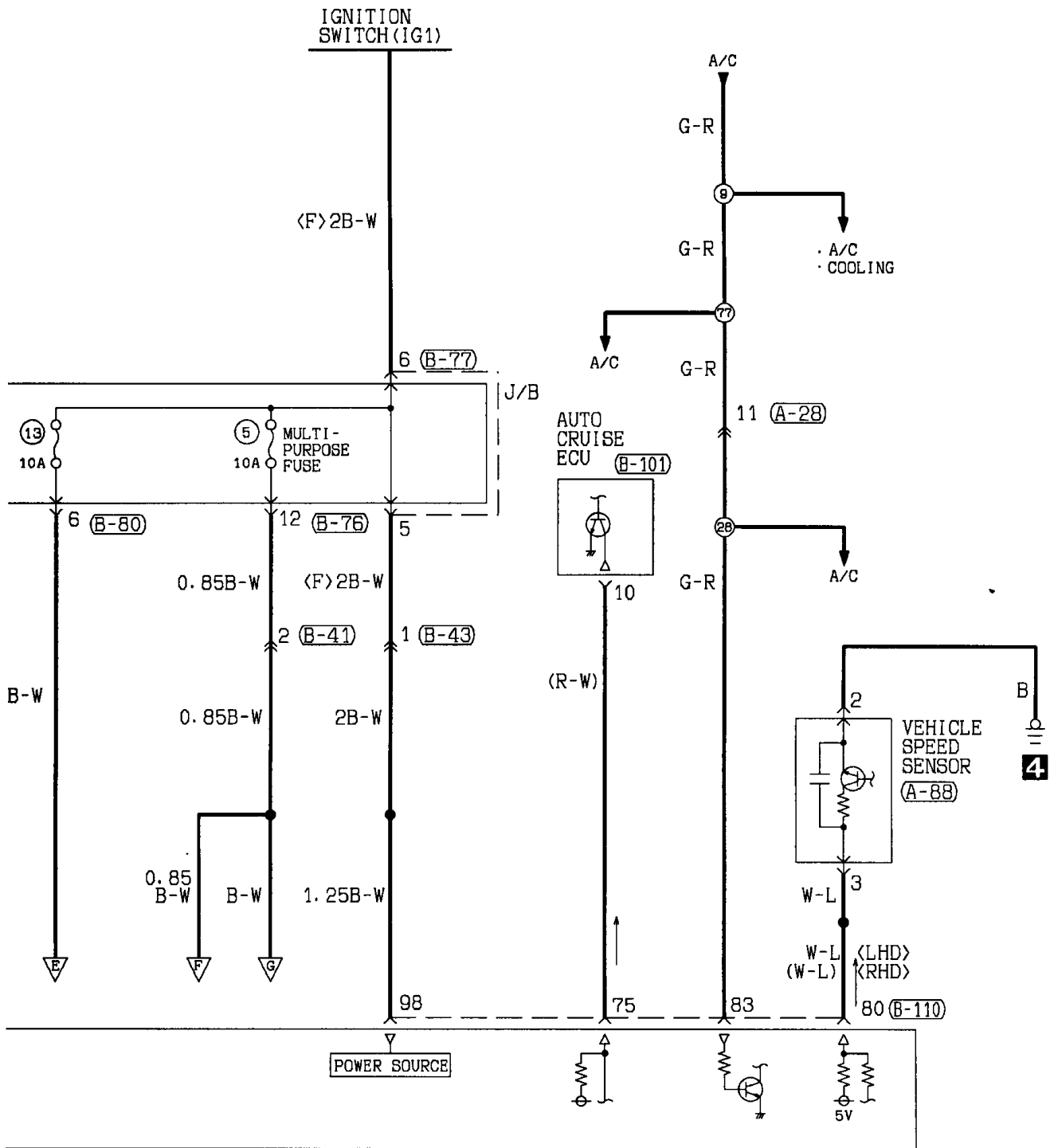
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

(B-85)

1

(B-111)

101	102	103	104	JAE	105	106	107
108	109	110	111	112	113	114	115
116	117	118	119	120	121	122	123
124	125	126	127	128	129	130	131



(A-88)

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

(B-41)

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

(B-76)

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

(B-110)

71	72	73	74	JAE				75	76	77	
78	79	80	81	82	83	84	85	86	87	88	89
90	91		92	93	94		95	96		97	98

(B-43)

1		
3	4	5

(B-77)

1		
3	4	5

(B-80)

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

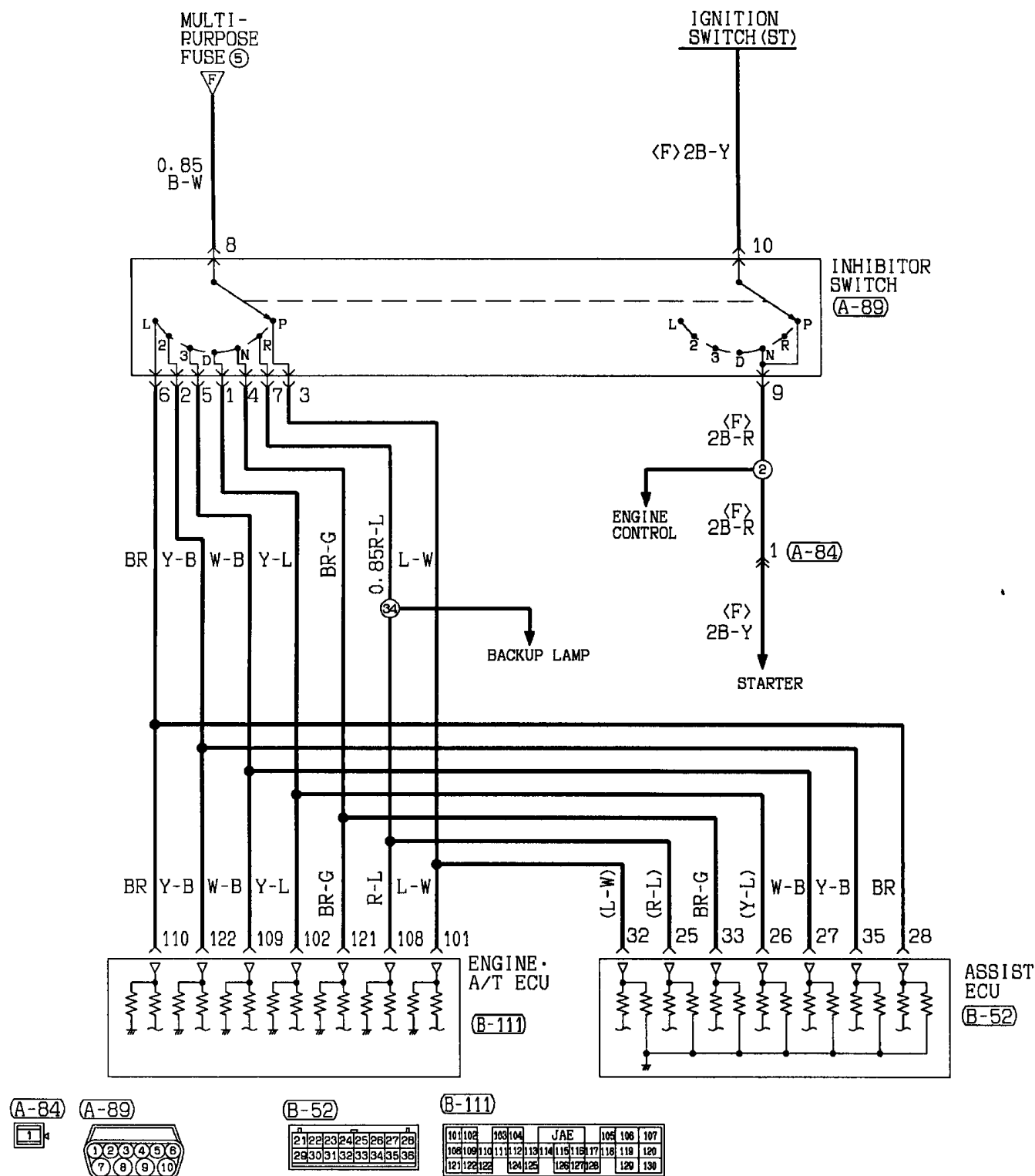
(B-101)

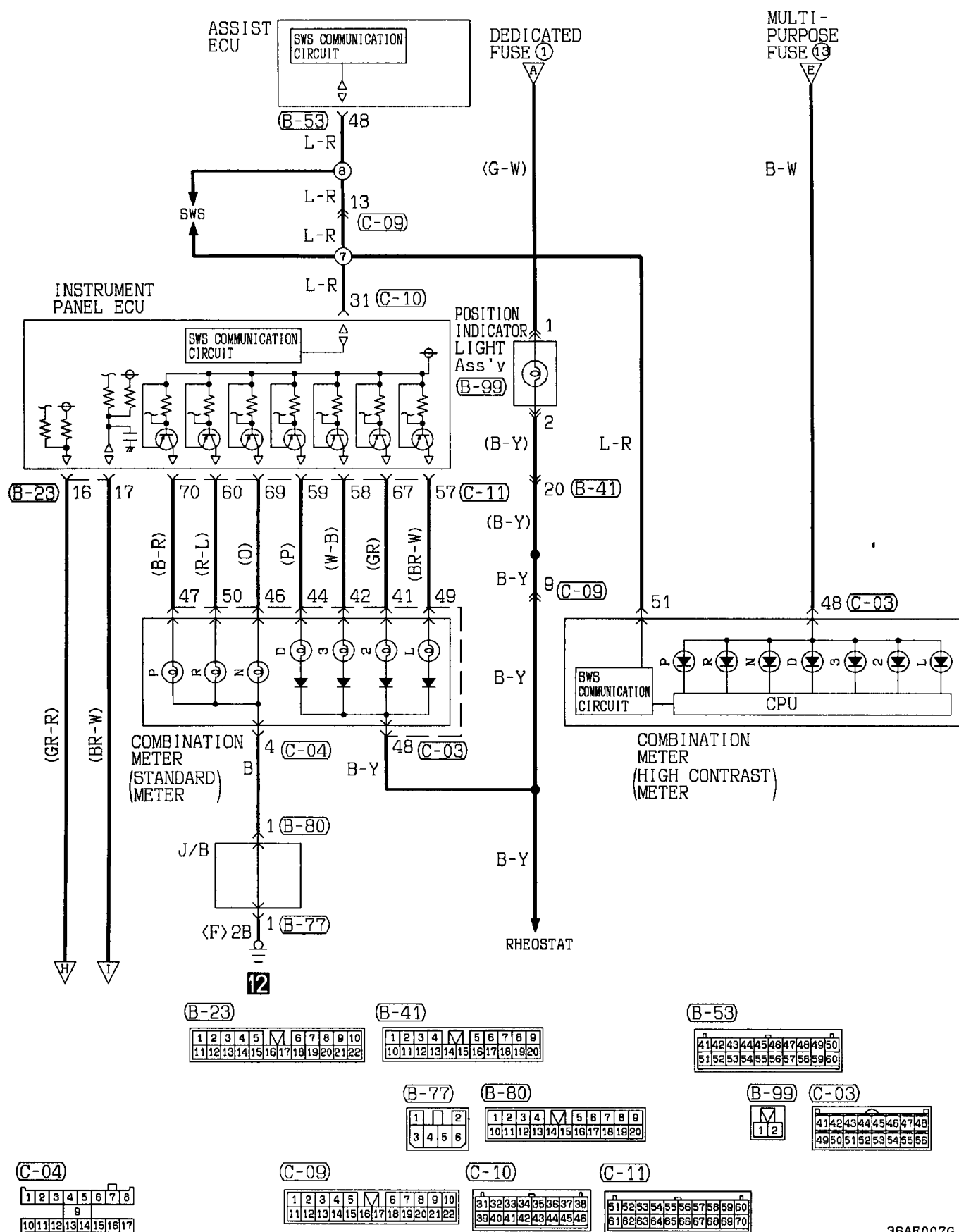
1	2	3	4	A	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(A-28)

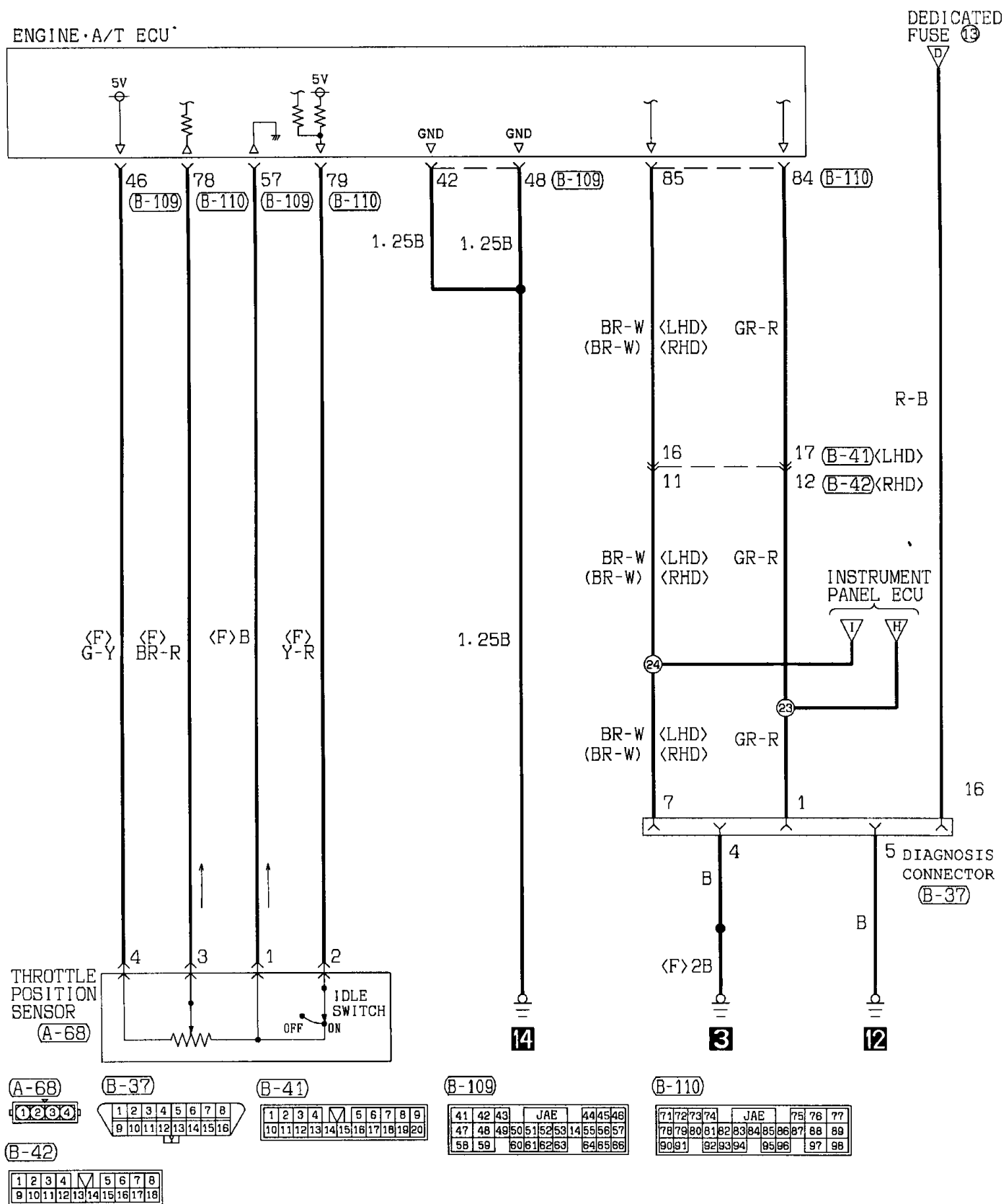
1	2	3	4	5
6	7	8	9	10

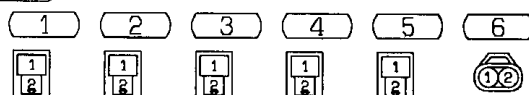
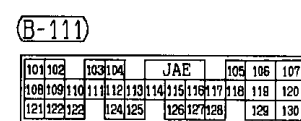
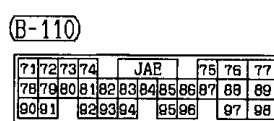
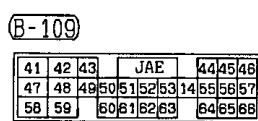
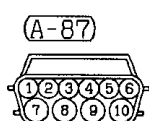
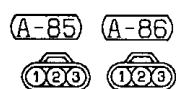
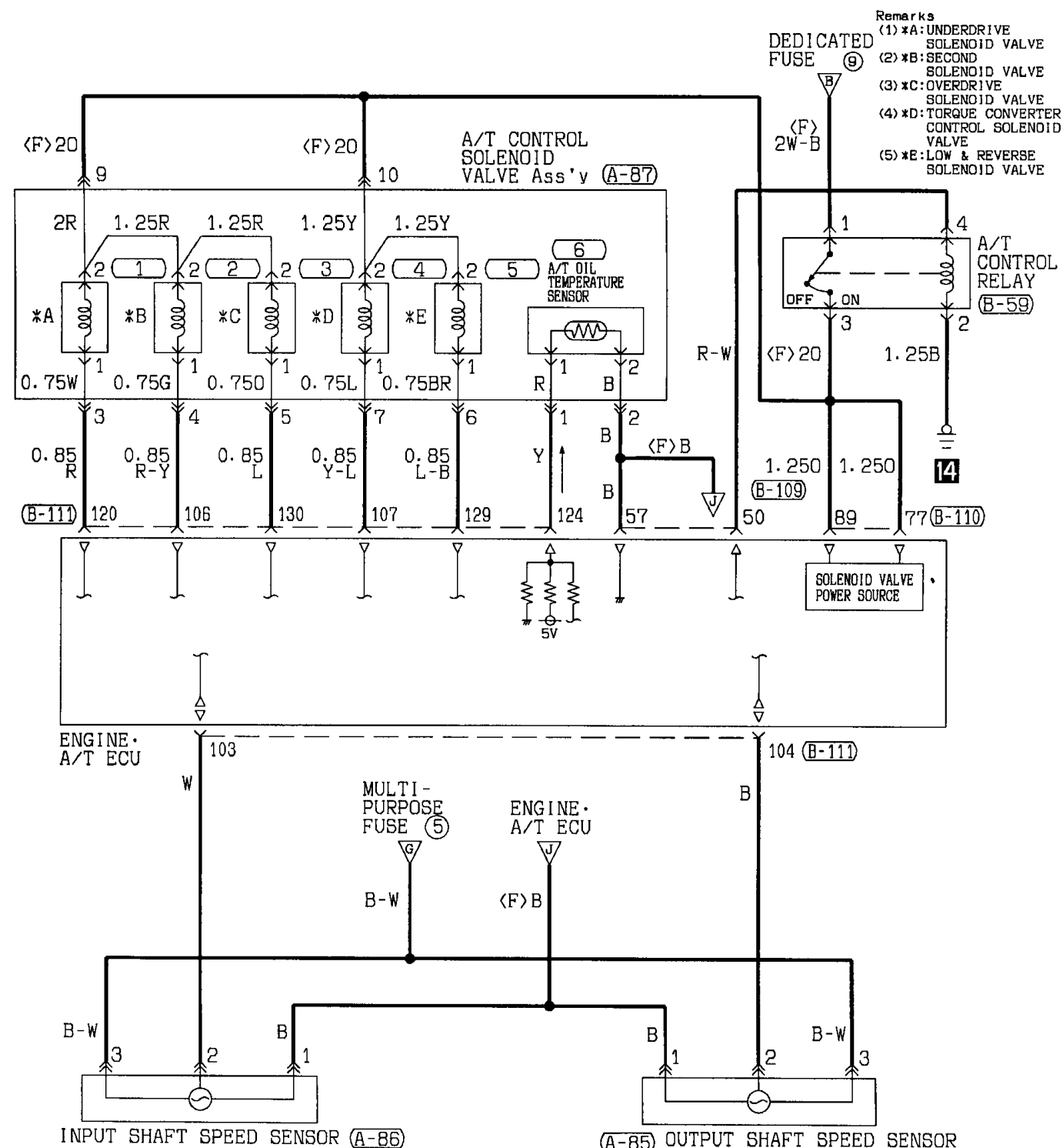
ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



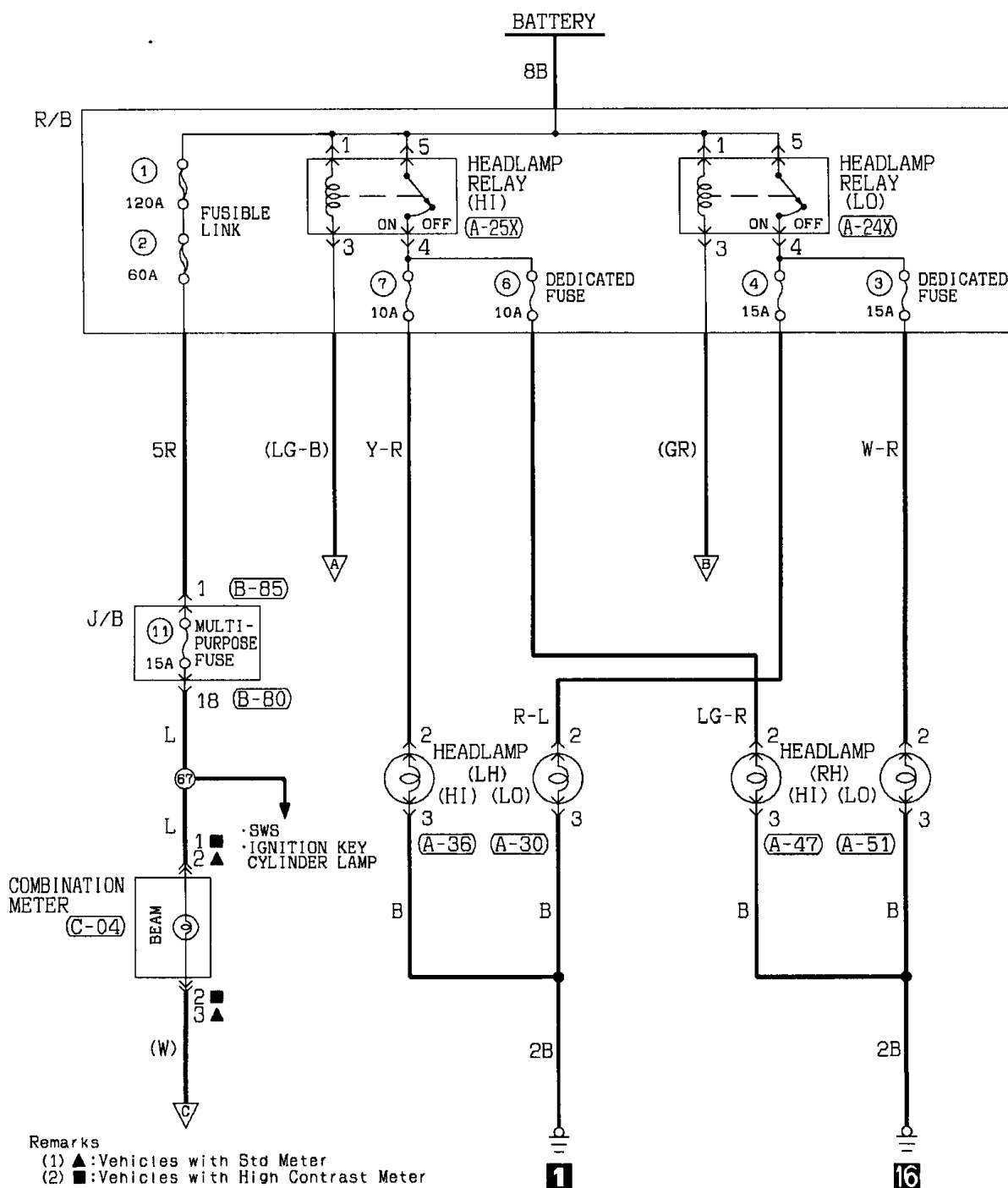


ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)

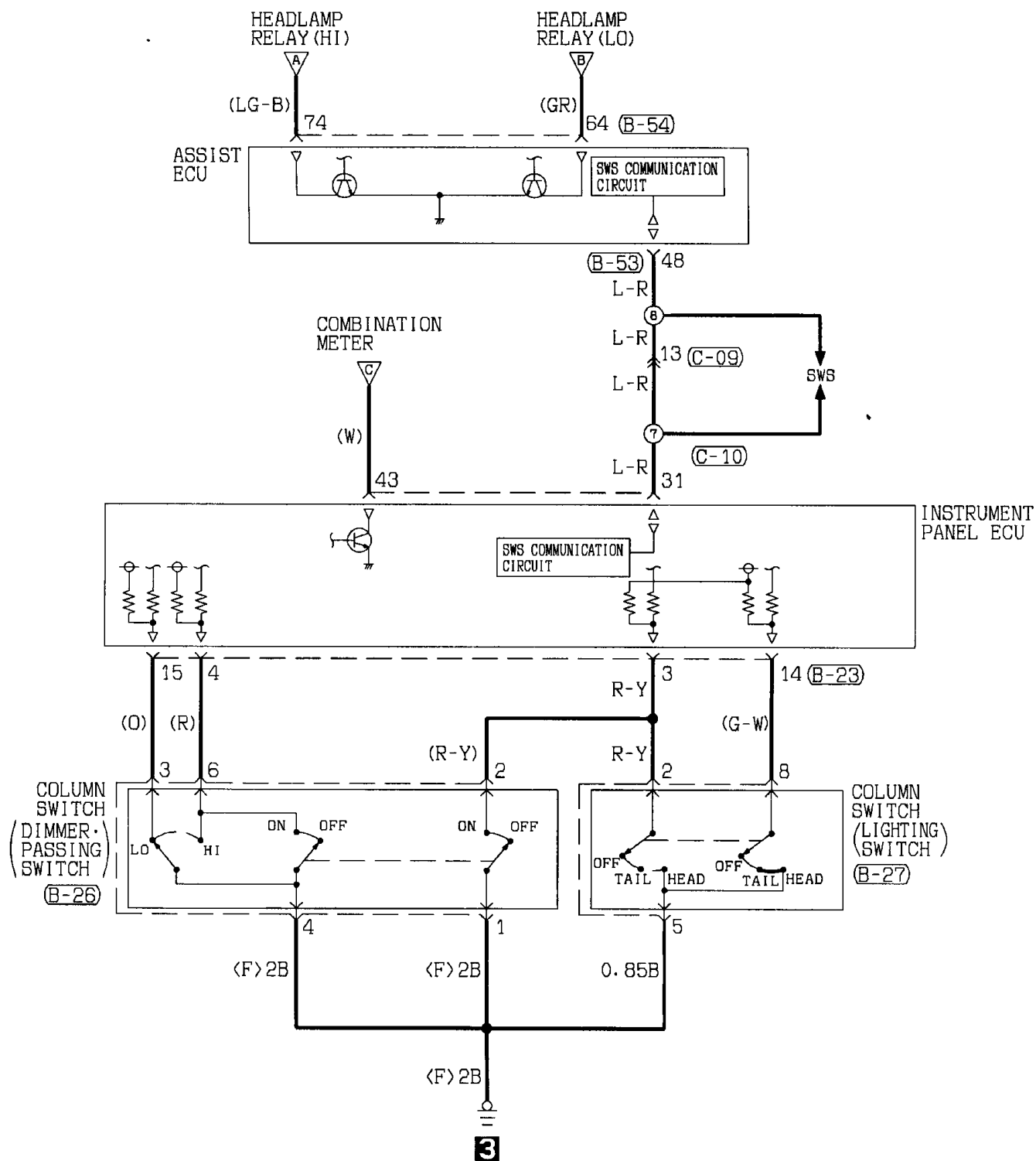




HEADLAMP



(A-24X)	(A-25X)	(A-30)	(A-36)	(A-47)	(A-51)	(B-80)	(B-85)	(C-04)



B-23

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

B-26

1	2
3	4
5	6

B-27

1	2	3
4	5	6
7	8	9

B-53

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

B-54

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82								

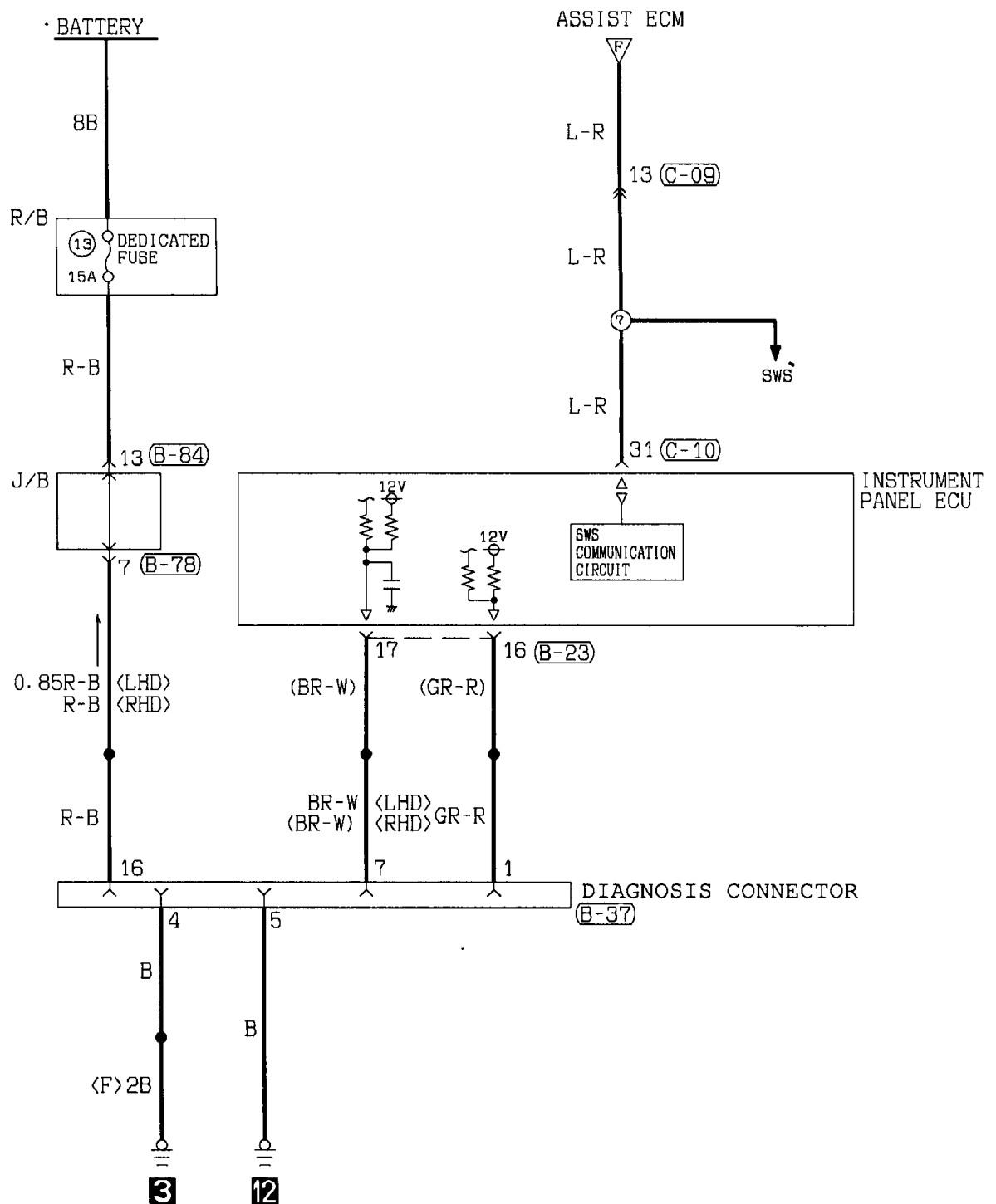
C-09

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

C-10

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

HEADLAMP (CONTINUED)



(B-23)

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

(B-37)

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

(B-78)

1	2	3	4
5	6	7	8
9	10		

(B-84)

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

HEADLAMP (See P. 4-54.)**OPERATION****Conditions for switch-ON of headlamp relay**

Ignition switch	Lighting switch	Dimmer/passing switch	Headlamp relay
"ACC" or "ON"	"HEAD"	–	ON
"ACC" or "ON"	–	"PASS"	ON

OPERATION**<Low-beam and high-beam>**

- Turning the lighting switch to "HEAD" sends a headlamps ON signal to the instrument panel ECU. The instrument panel ECU sends a signal to the Assist-ECU via the SWS communication line and the Assist-ECU switches the headlamp relay on.
- Operating the dimmer switch sends a signal to the instrument panel ECU which determines whether LO or HIGH beam mode is selected and sends a signal to the Assist-ECU which switches the LO or HI headlamp relay on.

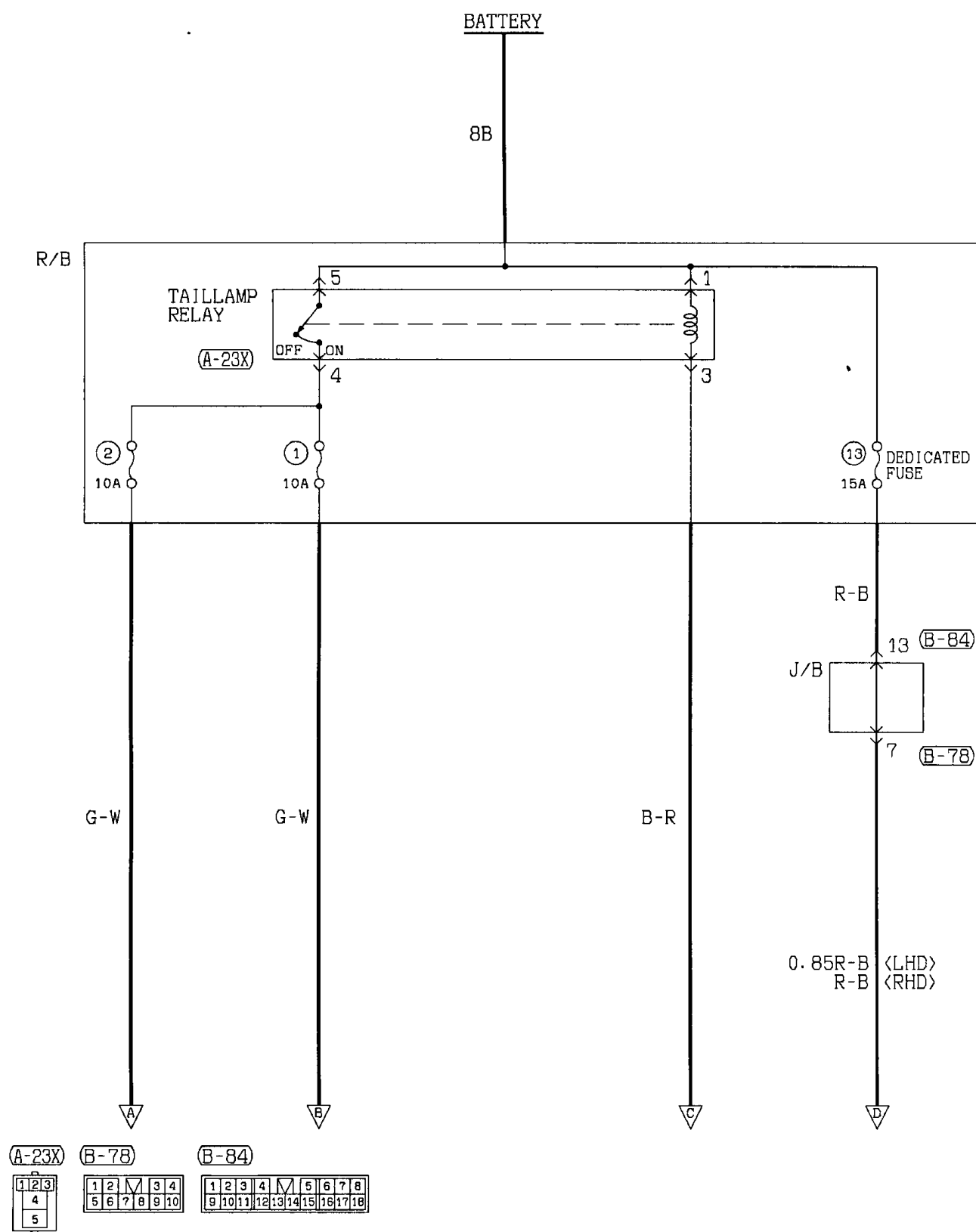
<Passing>

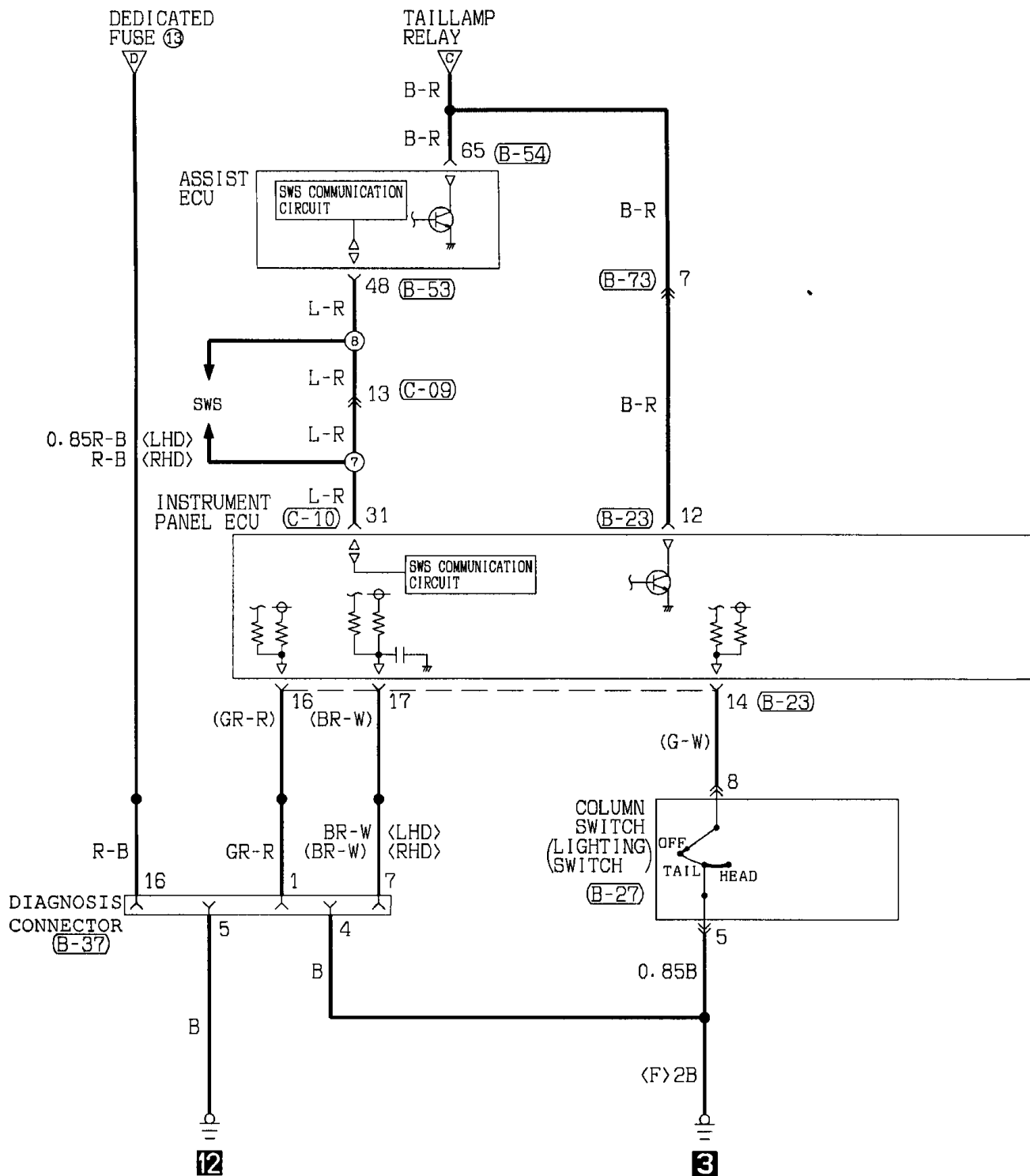
- Operating the passing switch sends a signal to the instrument panel ECU which determines operating requirements and signals the Assist-ECU.
- When the low beam is illuminated, the Assist-ECU switches the HI relay on so that the high beam will be lit as well.
- When the lighting switch is at "OFF" or "TAIL", the LO and HI relays are switched ON simultaneously by the Assist-ECU.

<High-beam indicator lamp>

- When the high beam is lit or when the passing switch is activated, the high-beam indicator lamp will be lit.

TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP





(B-23)

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

(B-27)

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

(B-37)

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

(B-53)

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

(B-54)

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82								

(B-73)

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

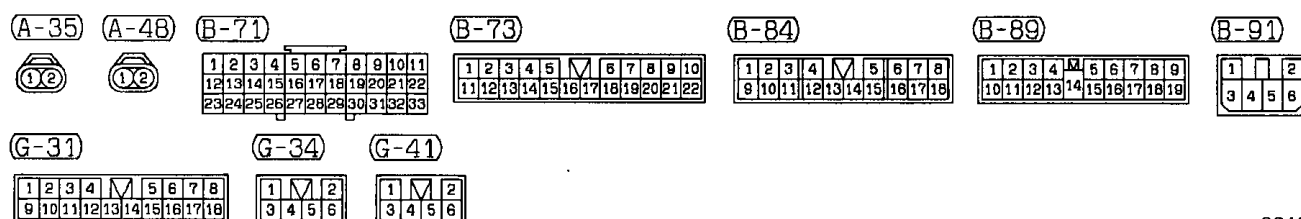
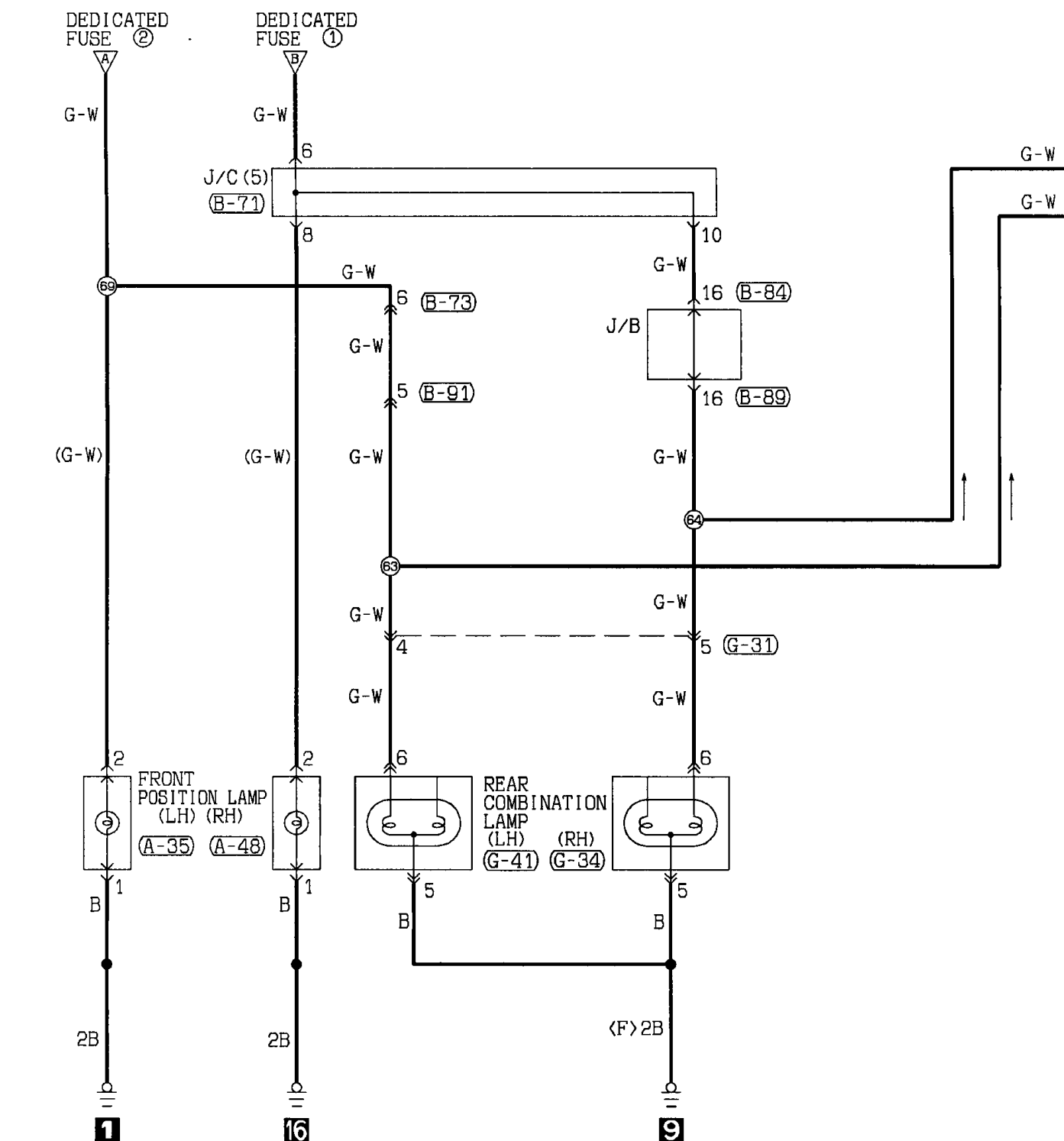
(C-09)

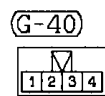
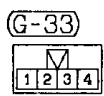
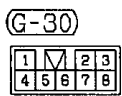
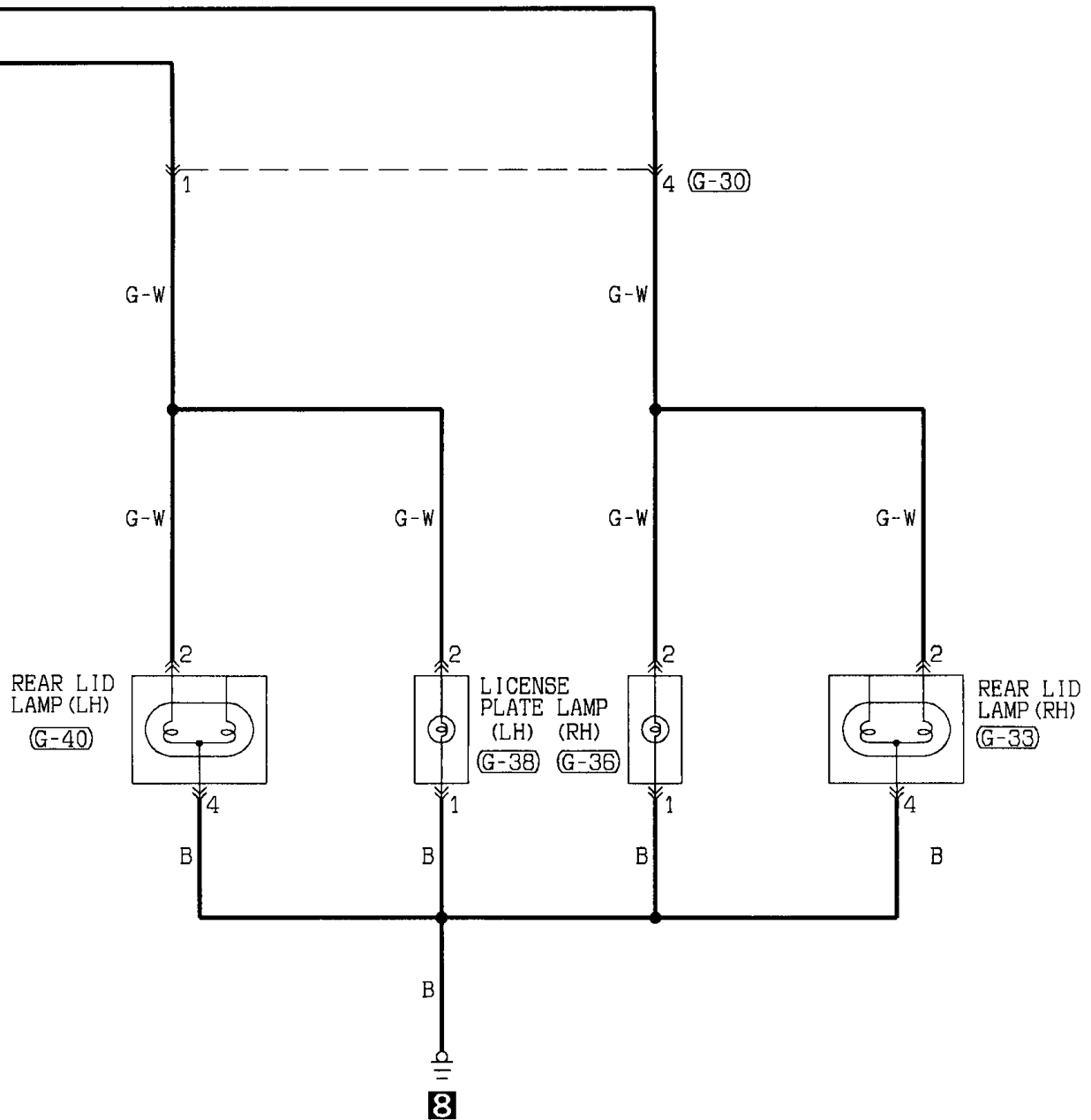
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

(C-10)

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

TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP (CONTINUED)

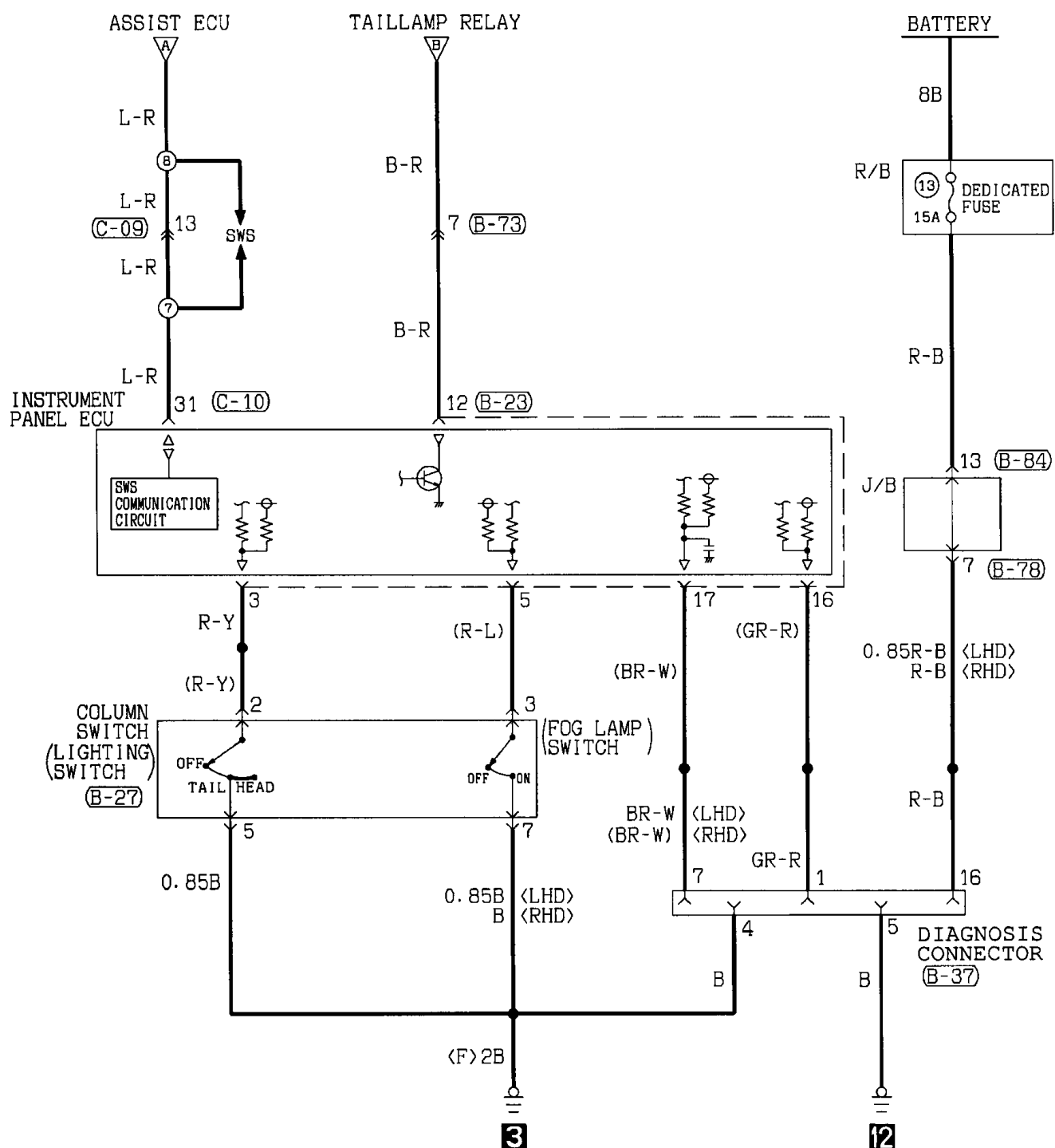




TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP (See P. 4-58.)**OPERATION**

- Turning the column switch to the "TAIL" or "HEAD" position sends a signal to the instrument panel ECU which then sends a taillamp ON signal to the Assist-ECU via the SWS communication line.
- The Assist-ECU energises the taillamp relay coil to close the relay contact points and supply current to the taillamps, side marker lamps and license plate lamps.

NOTES



(B-23)

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

(B-27)

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

(B-37)

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

(B-73)

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

(B-78)

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

(B-84)

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

(C-09)

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

(C-10)

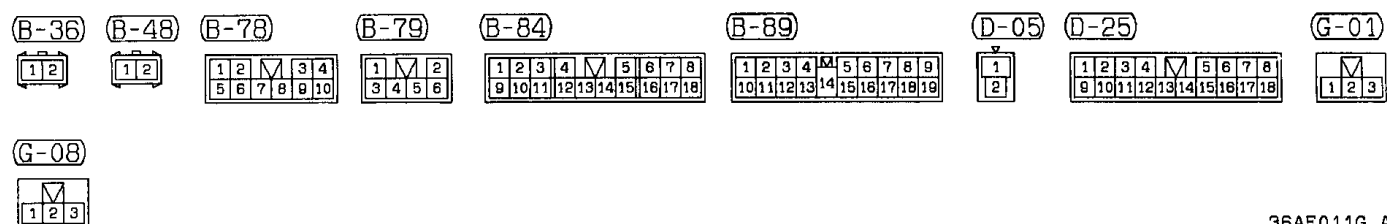
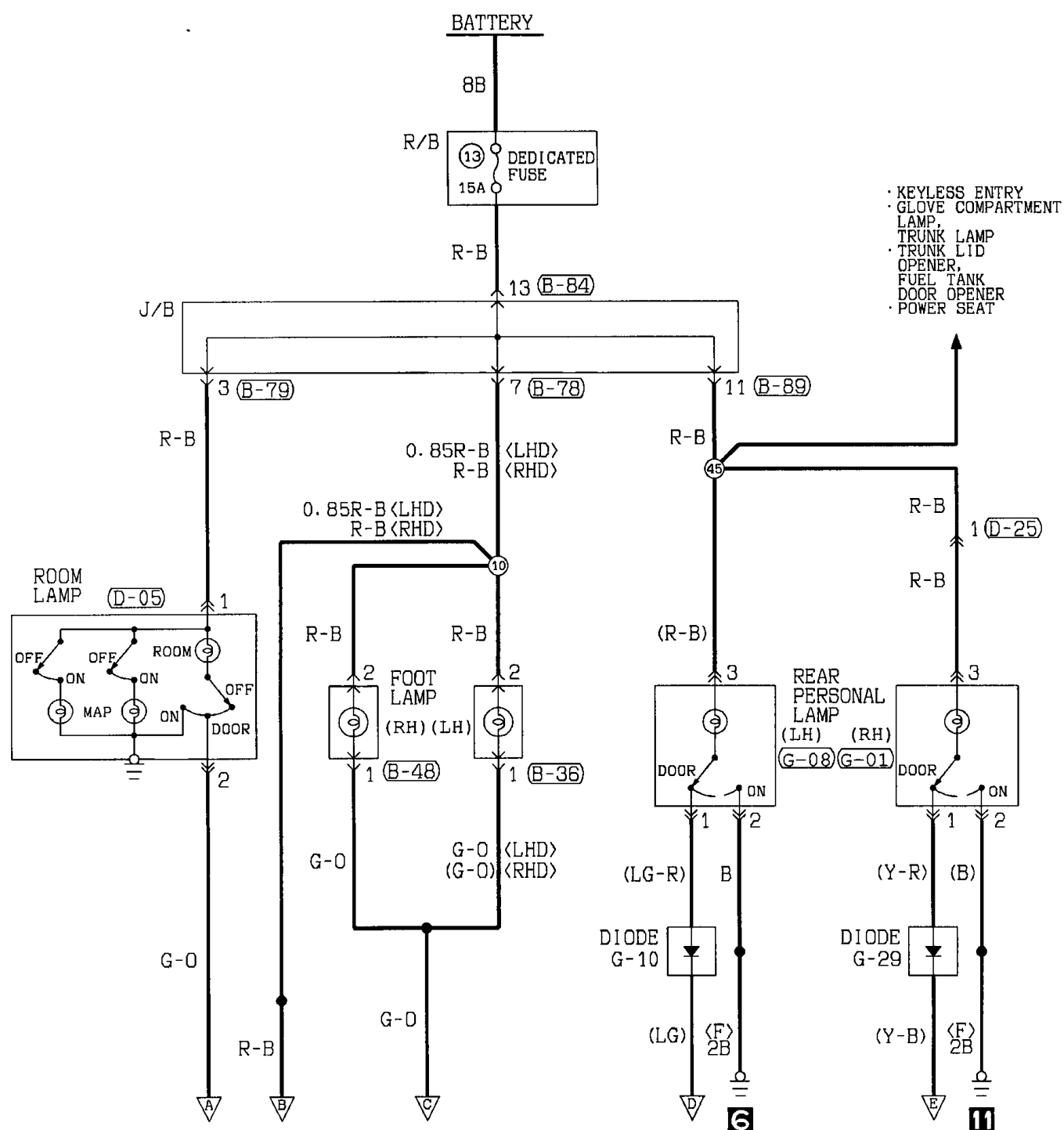
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46				

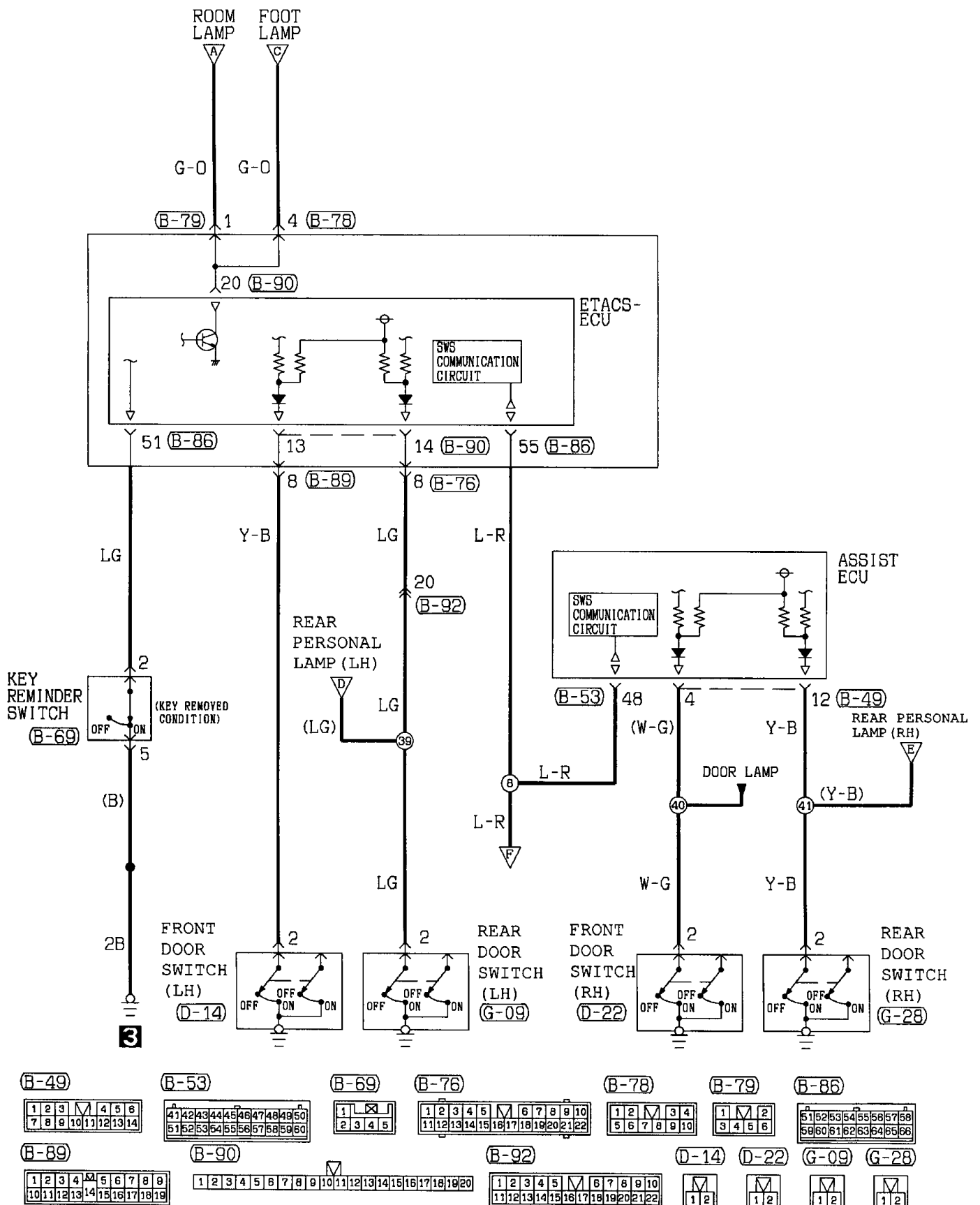
FOG LAMP (See P. 4-64.)**OPERATION**

- Turning the fog lamp switch to "ON" sends a signal to the instrument panel ECU. If the dimmer switch is in the low position, the instrument panel ECU sends a signal to the Assist-ECU via the SWS communication line.
- The Assist-ECU energises the fog lamp relay to supply current to the fog lamps.

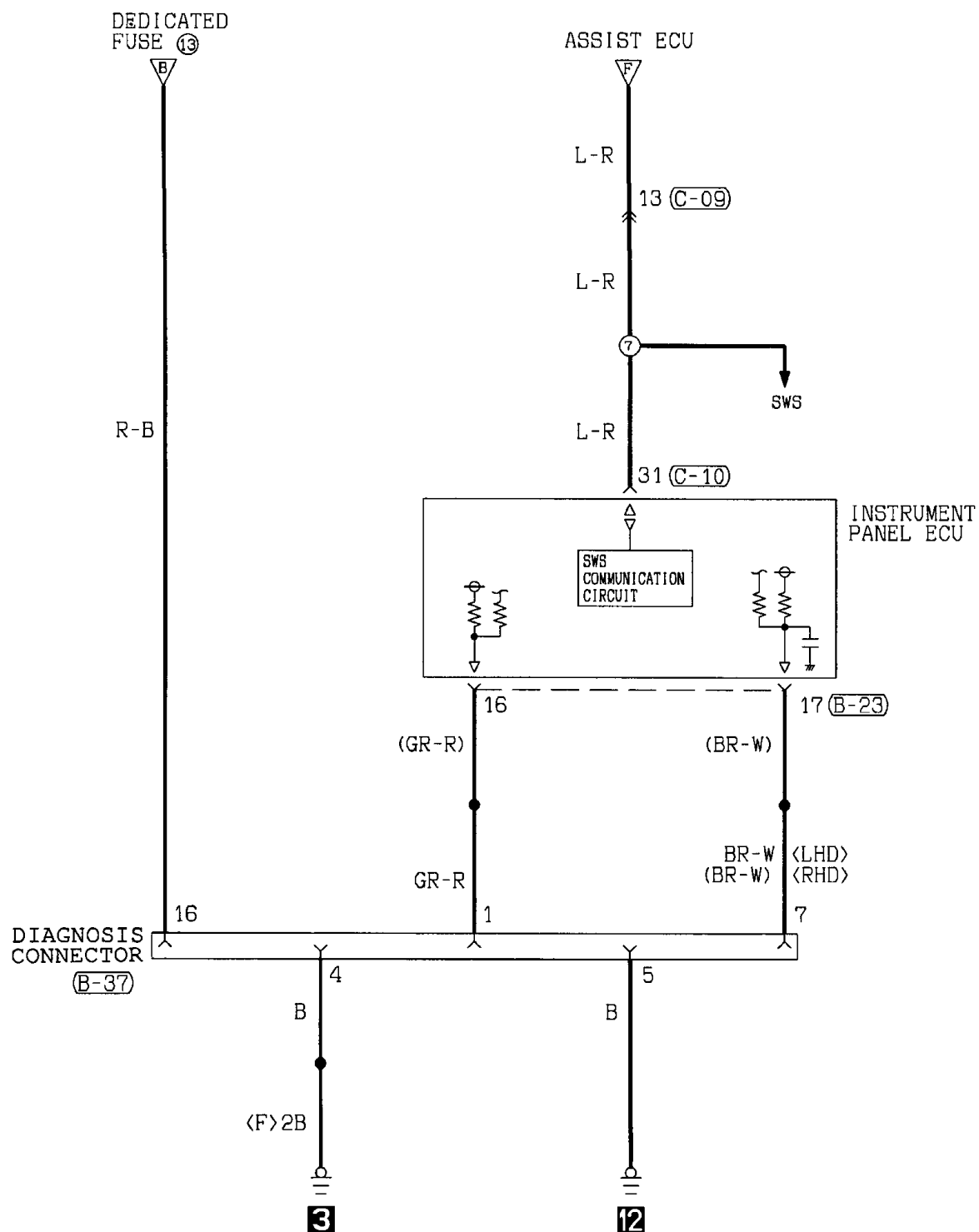
NOTES

ROOM LAMP, PERSONAL LAMP AND FOOT LAMP





ROOM LAMP, PERSONAL LAMP AND FOOT LAMP (CONTINUED)



(B-23)

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

(B-37)

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

(C-09)

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

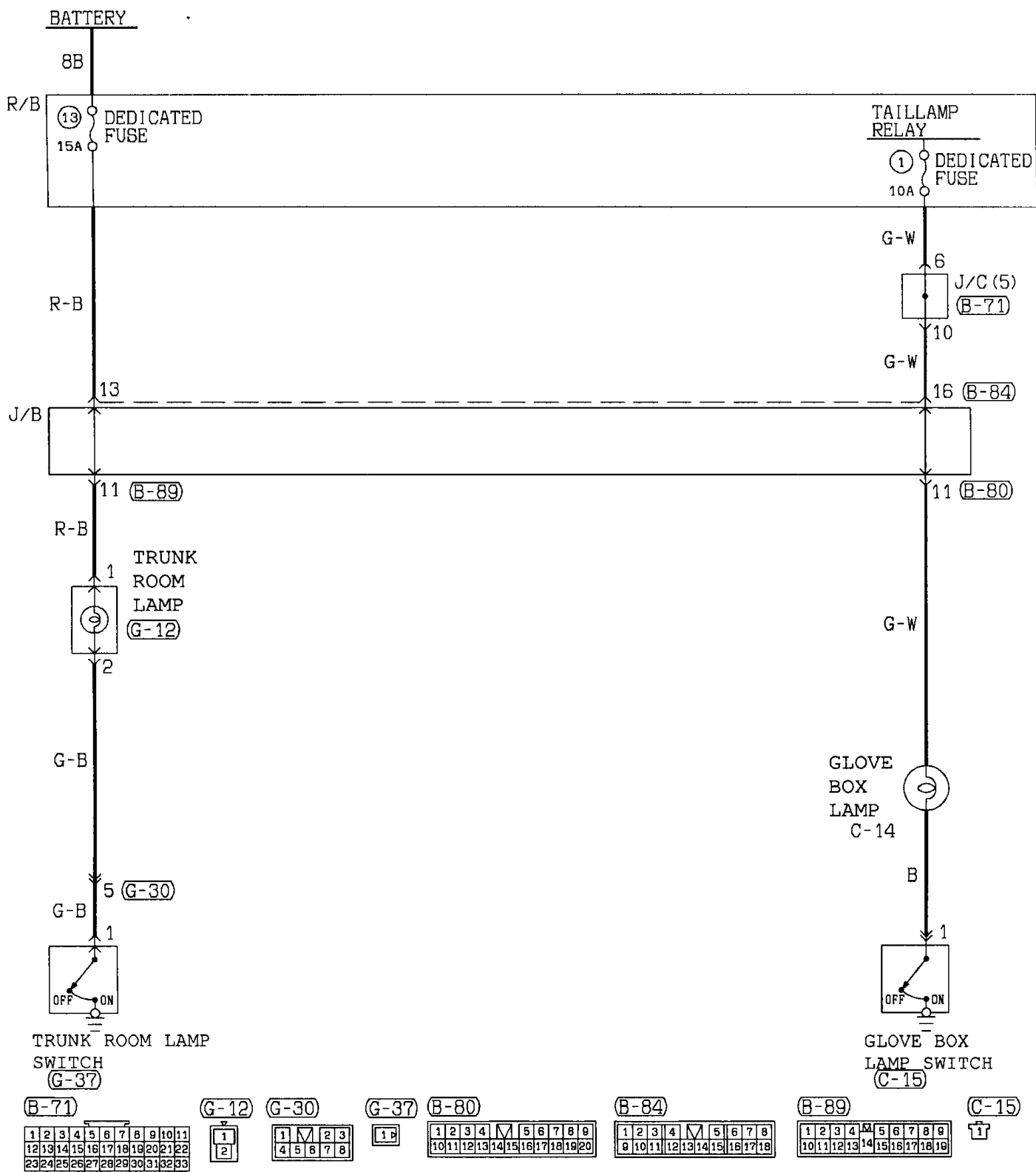
(C-10)

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

ROOM LAMP, PERSONAL LAMP AND FOOT LAMP (See P. 4-68.)**OPERATION**

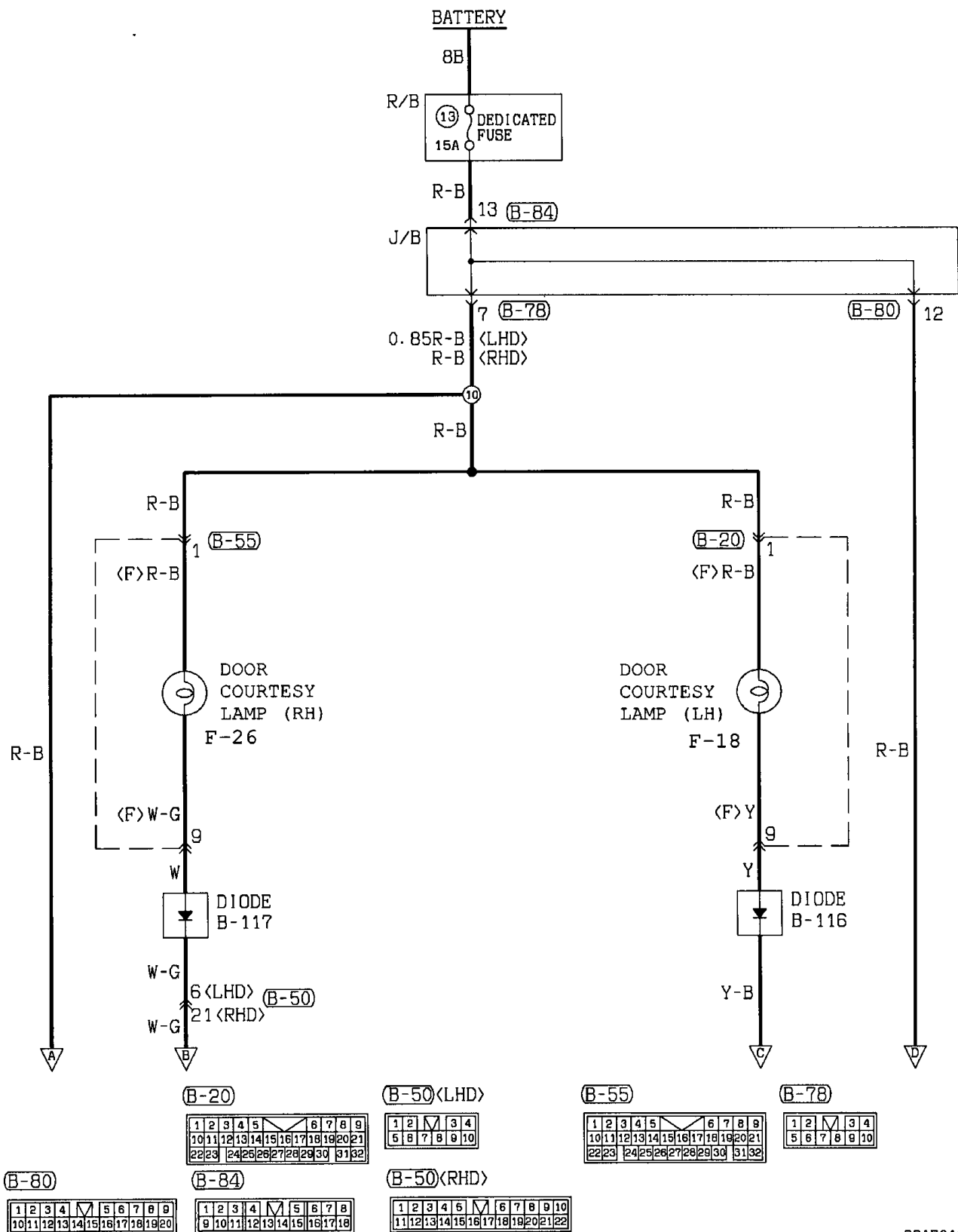
- Battery voltage is always applied to the room lamp.
When the room lamp switch is turned to "ON", the room lamp will remain lit. After either door is opened if the room lamp switch is at "DOOR" position, the room lamp will come on.
- In this case, the timer circuit in the ETACS unit will be activated to gradually vary the voltage for approx. 6 seconds owing to the duty control, and the voltage will be output to power transistor. Since the voltage applied to the room lamp gradually decreases, the room lamp will be dimmed.
- If the ignition switch is turned to "ON" while the room lamp is lit (while the timer is activated), the timer circuit will be opened to turn "OFF" power transistor.
This will immediately turn off the room lamp without dimming.

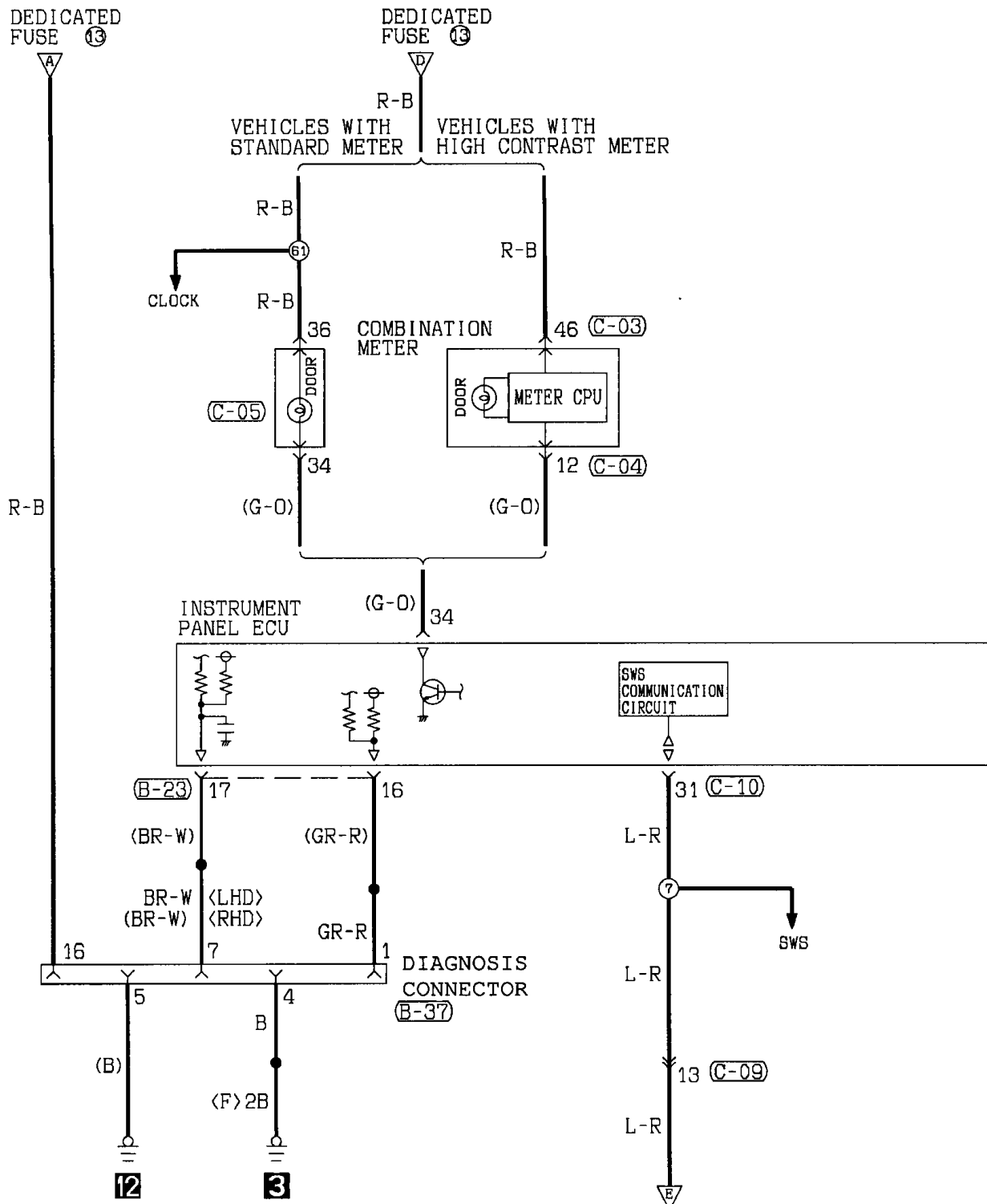
GLOVE COMPARTMENT LAMP AND TRUNK LAMP



NOTES

DOOR LAMP





(B-23)

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

(B-37)

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

(C-09)

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

(C-10)

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

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

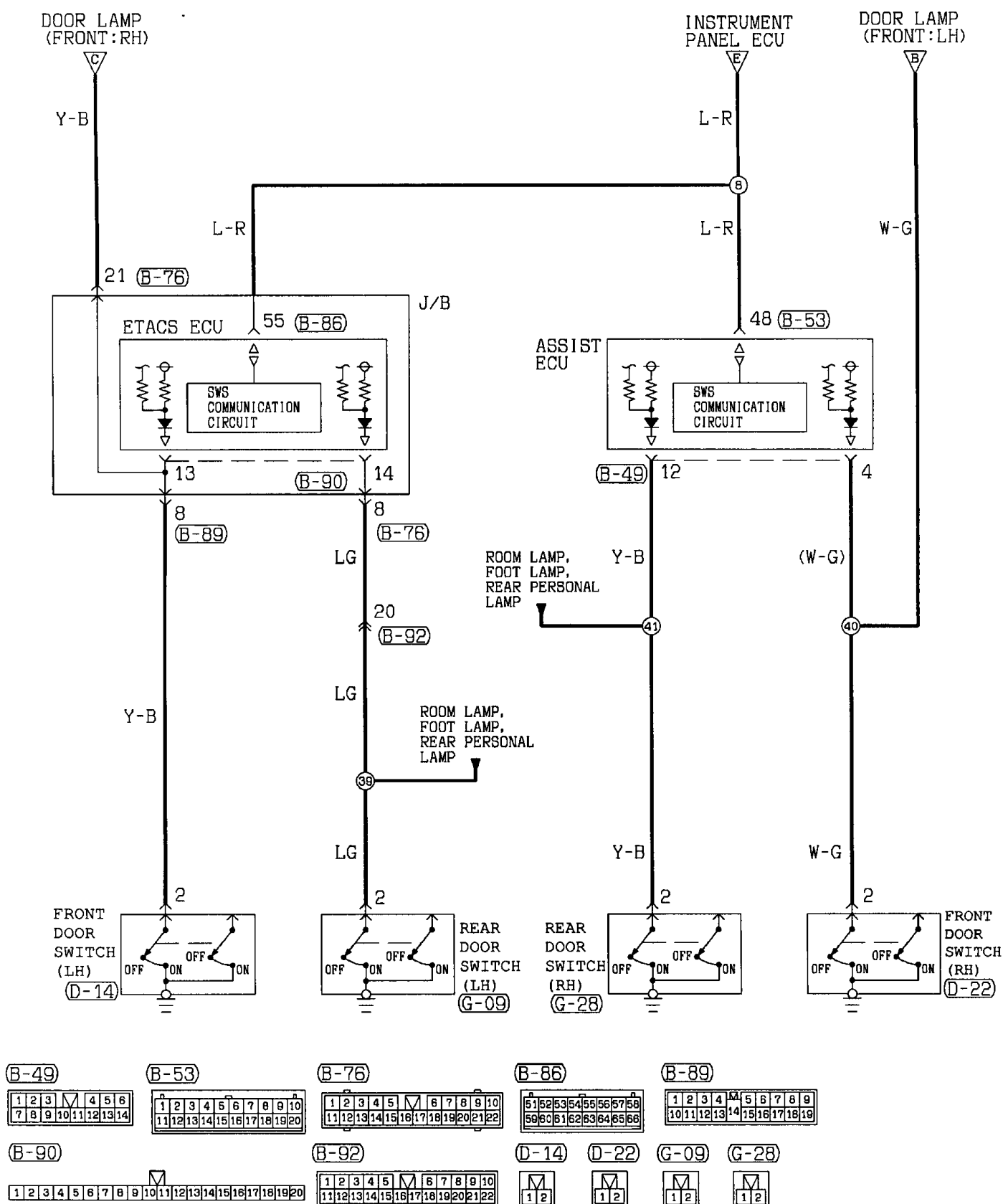
(C-04)

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

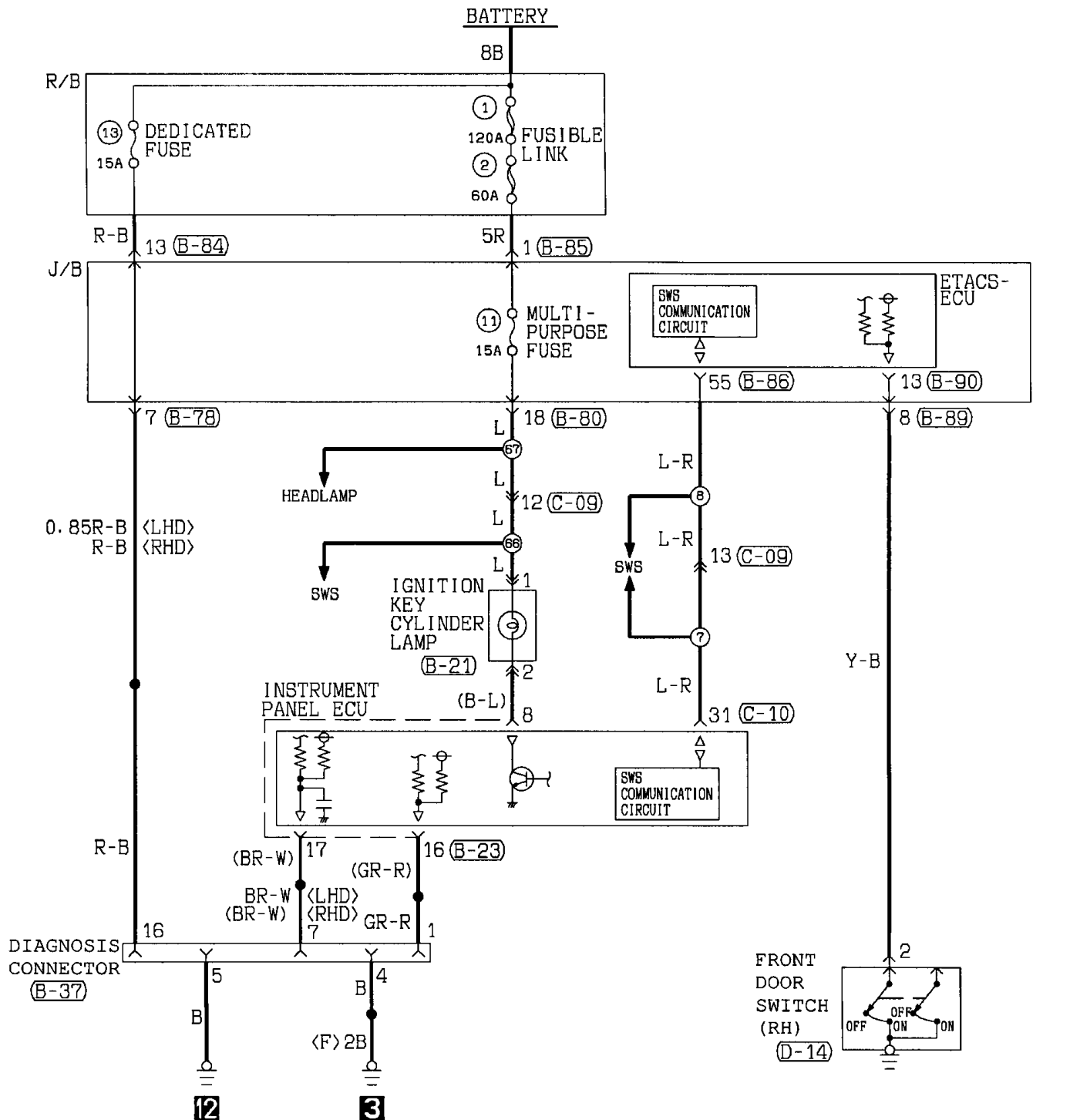
(C-05)

21	22	23	24	25	26	27	28
29							
30	31	32	33	34	35	36	37

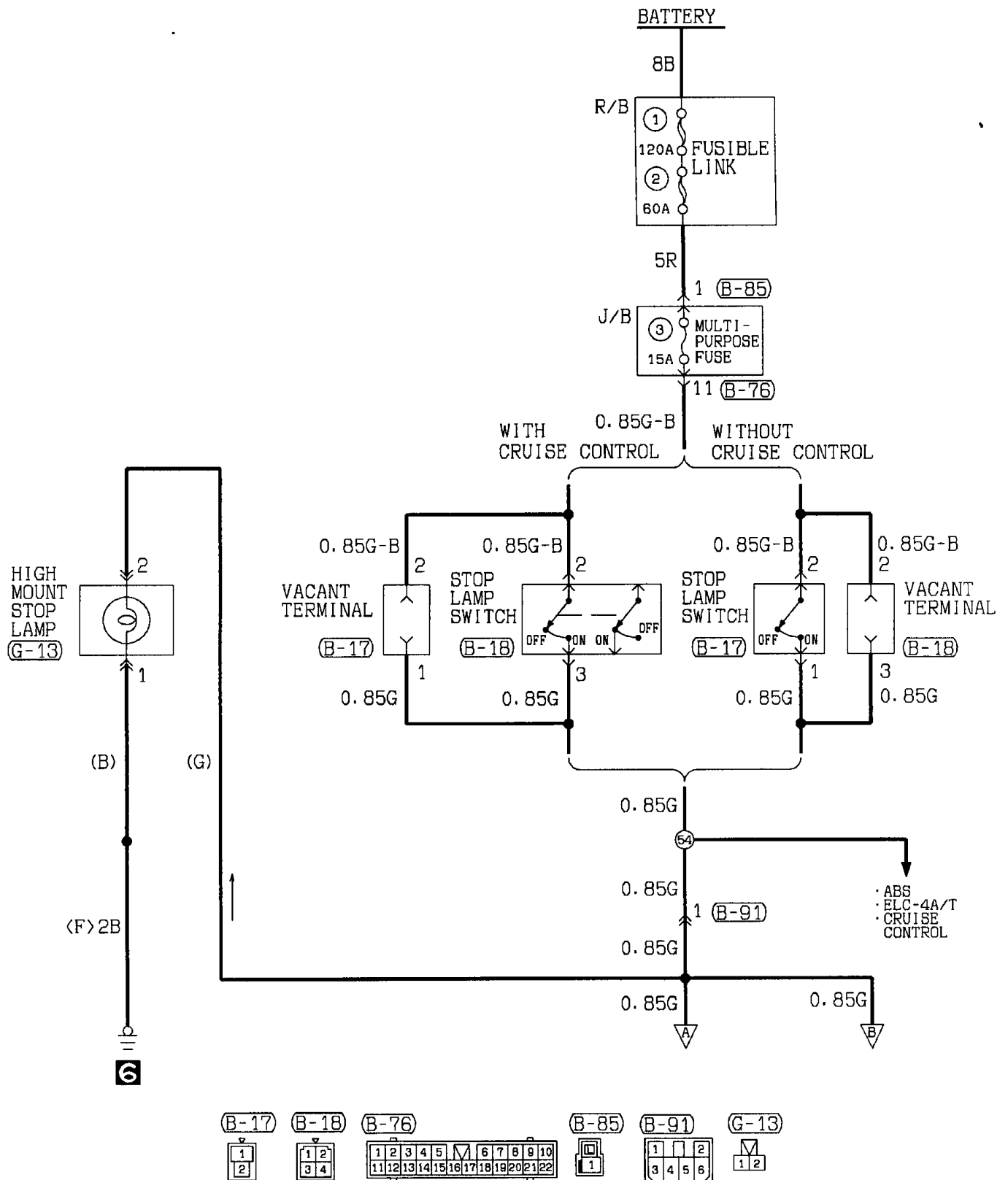
DOOR LAMP (CONTINUED)

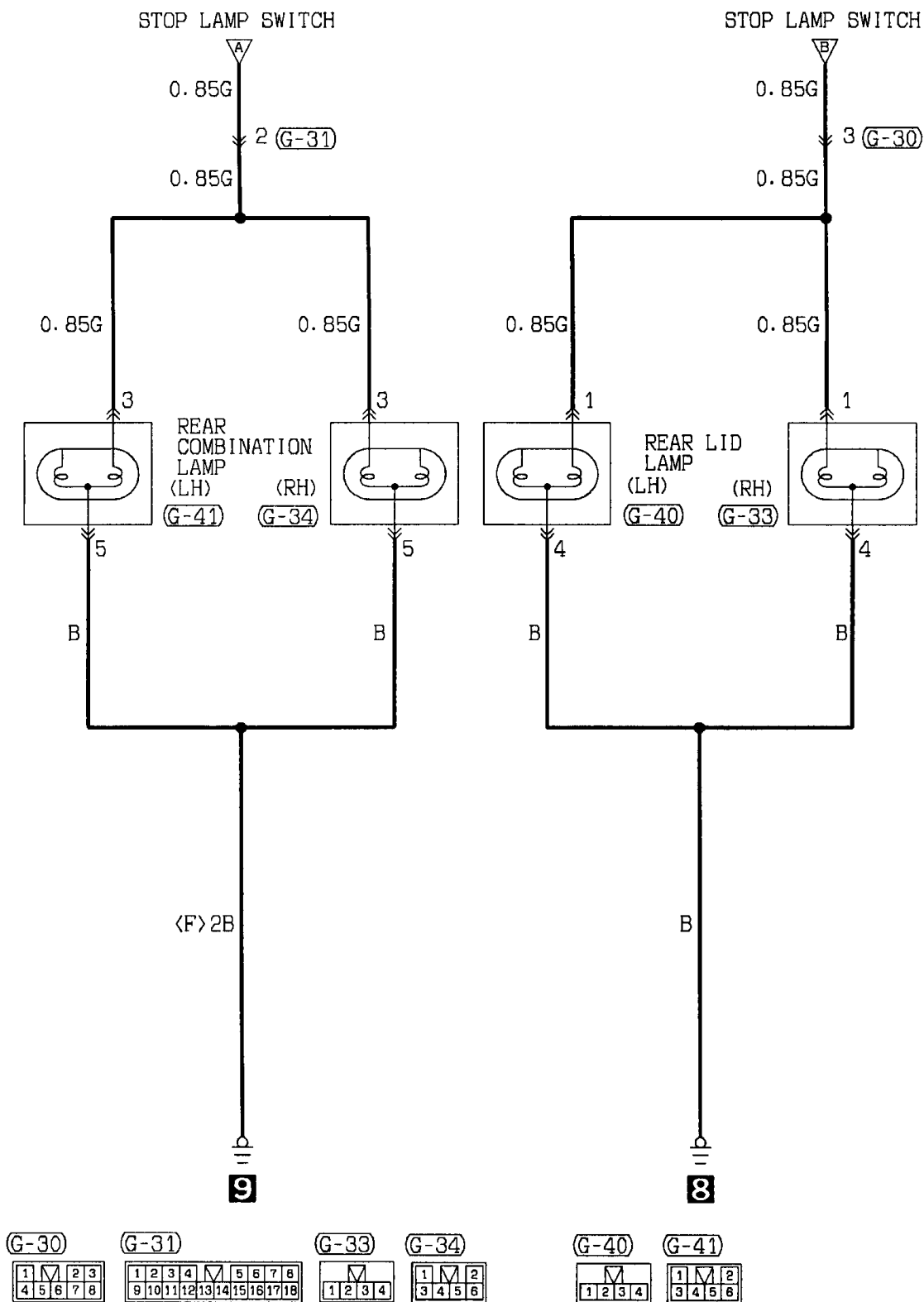


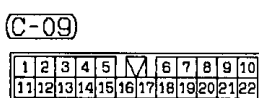
IGNITION KEY CYLINDER LAMP



STOP LAMP

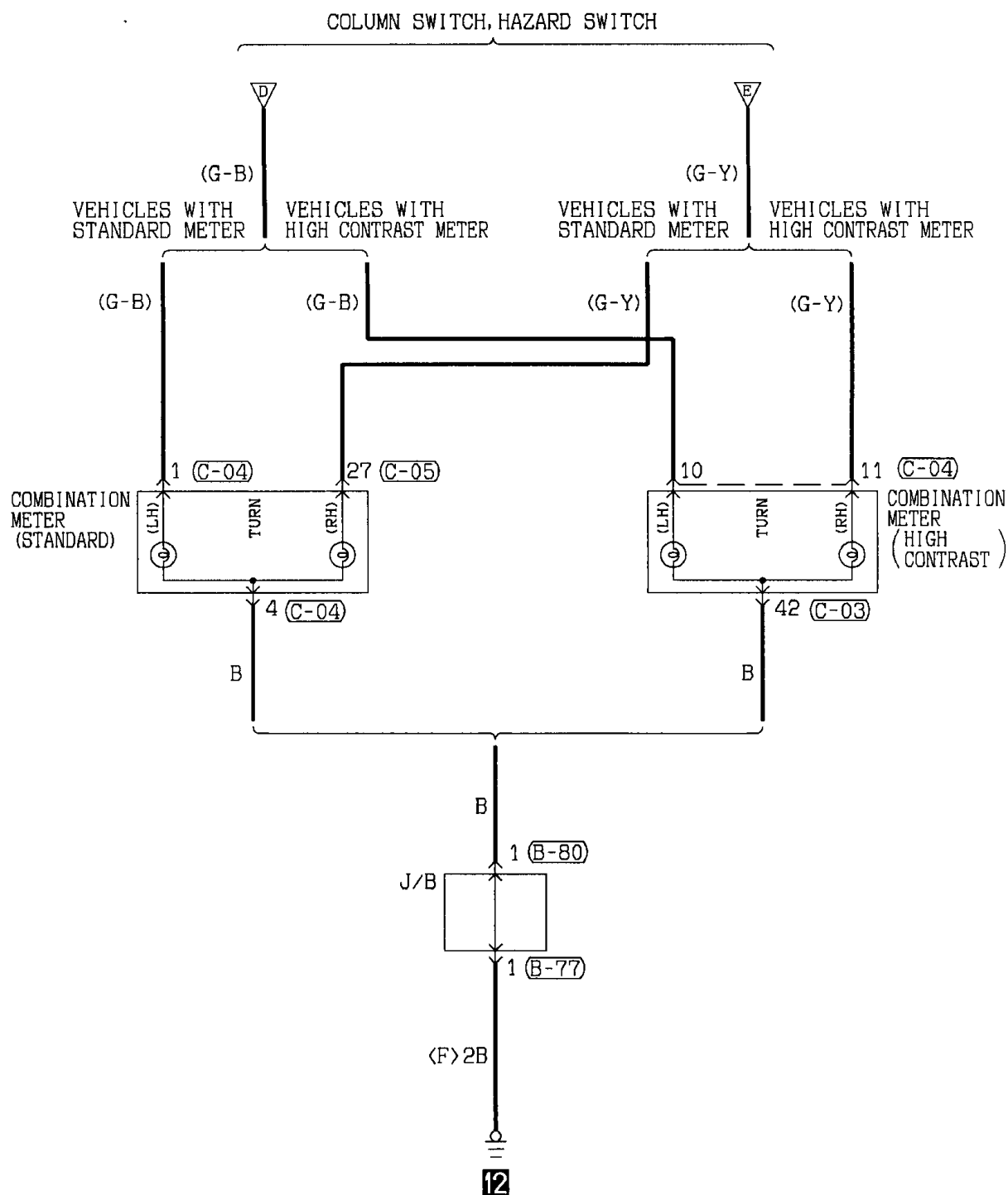








TURN SIGNAL AND HAZARD LAMP (CONTINUED)



(B-77)

1	2
3	4

(B-80)

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

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

(C-04)

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

(C-05)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

TURN SIGNAL AND HAZARD LAMP (See P. 80.)**OPERATION****<Turn-signal lamps>**

1. When operation is normal
 - When the ignition switch is switched to the "ON" position, battery voltage is applied (via the hazard-switch) to the turn-signal and hazard-flasher unit.
 - When the turn-signal switch is switched to the "LH" (or "RH") position, Tr1 (within the flasher unit) is switched ON and the relay contact (also within the flasher unit) is switched ON. As a result, the "LH" (or "RH") turn-signal lamps and turn-signal indicator lamp illuminate.
 - At the same time, charging to the capacitor (via R2) begins, and charging continues until the lower-limit potential (set by COM3) is reached.
 - When the capacitor becomes fully charged, the COM3 output reverses and Tr1 is switched OFF; the relay contact is also switched OFF, and, as a result, the "LH" (or "RH") turn-signal lamps and turn-signal indicator lamp are switched OFF.
 - At the same time that Tr1 is switched OFF, the capacitor begins discharging, and, when discharging finishes, the output of COM3 once again reverses and Tr1 is switched ON, after which the "LH" (or "RH") turn-signal lamps and turn-signal indicator lamp illuminate.
 - As a result of the continued repetition of the steps described above, the "LH" (or "RH") turn-signal lamps and turn-signal indicator lamp flash ON and OFF repeatedly.
2. If one lamp's wiring is damaged or disconnected
- If the bulb for one turn-signal lamp is damaged or disconnected, the result is an overall increase of the resistance for the entire lamp circuitry, resulting in a decrease of the voltage at the R1 part within the flasher unit.

- As a result of this being detected, the lower-limit potential set by COM3 is increased, with the result that the time required for charging of the capacitor becomes shorter.
- As a result, the ON and OFF cycles of Tr1 also become shorter, and thus the number of flashes of the lamps becomes greater.

<Hazard-warning lamps>

- When the hazard-warning switch is switched to the "ON" position, the relay contact of the flasher unit is switched ON and OFF repeatedly, in the same manner as for the operation of the turn-signal lamps, and the left and right turn-signal lamps and turn-signal indicator lamps simultaneously flash repeatedly.

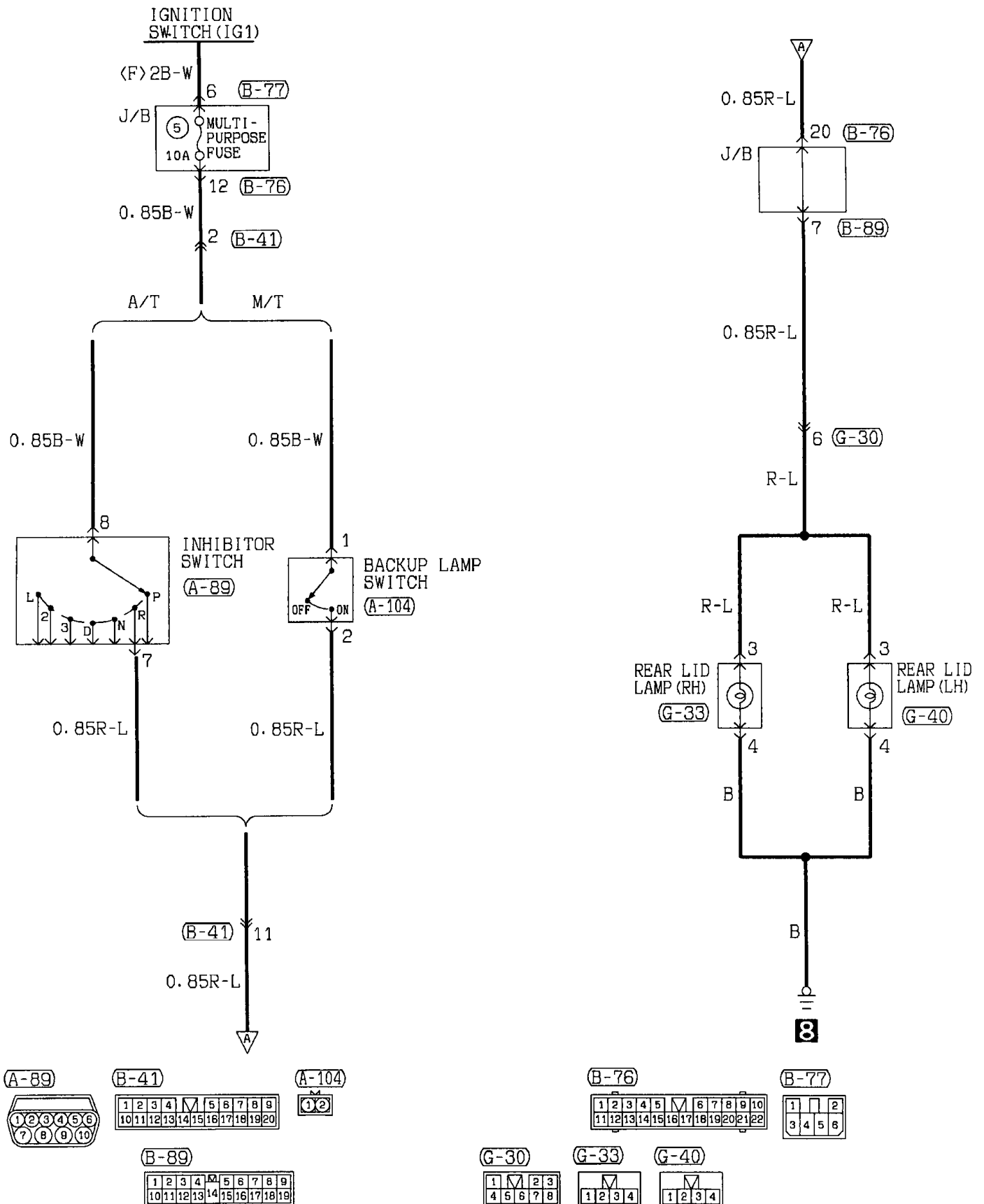
NOTE

- The number of flashes of the hazard-warning lamps does not change if there is damaged or disconnected wiring of one lamp.

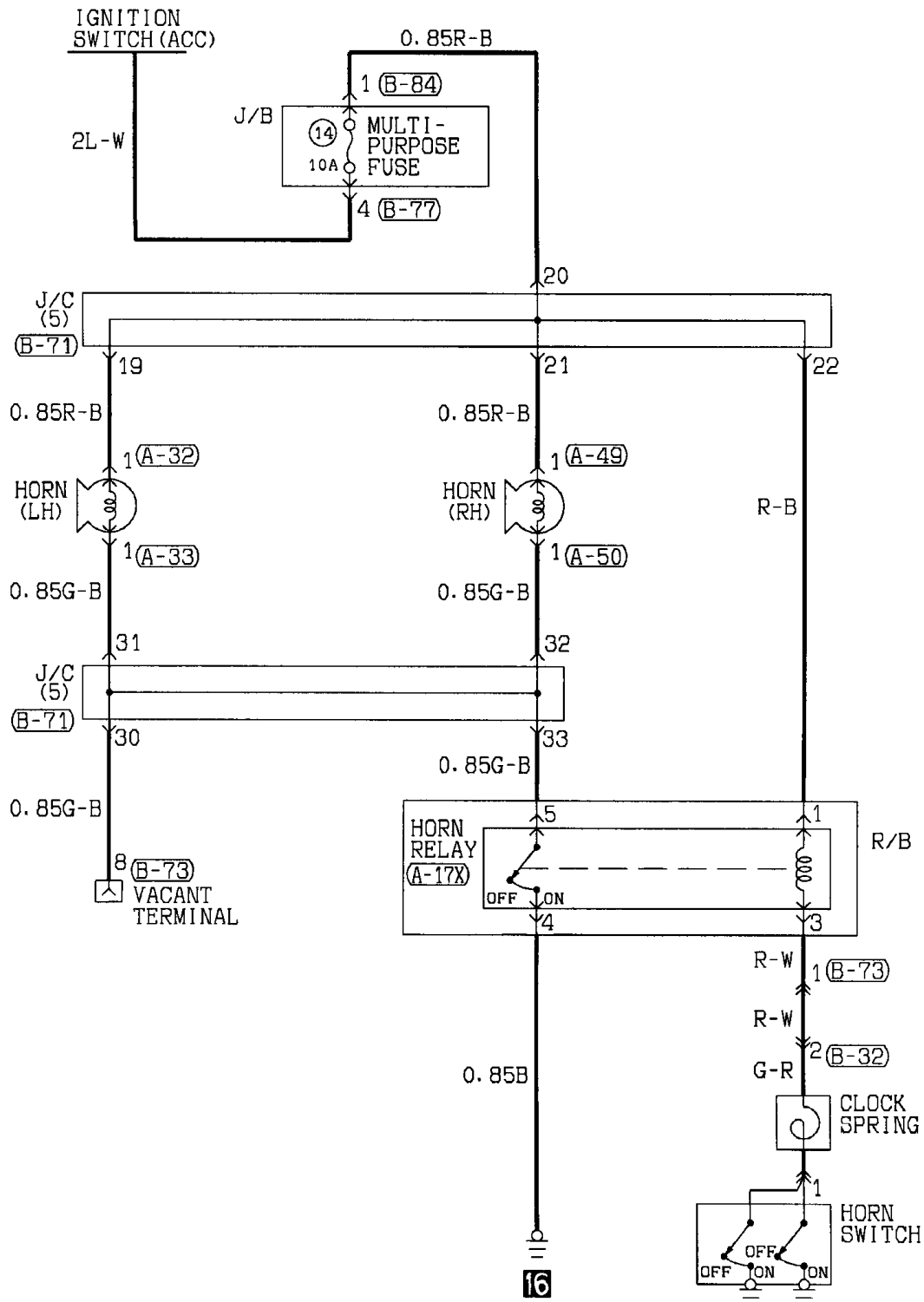
TROUBLESHOOTING HINTS

1. The turn-signal lamps and hazard-warning lamps do not operate at all.
 - Check the hazard switch contact (power supply side).
 - Check the flasher unit.
2. All turn-signal lamps at the left (or right) side do not function.
The hazard-warning lamps function normally.
 - Check the hazard switch contact (turn-signal side).
 - Check the turn-signal switch.
(Refer to P.54-53)
3. The number of flashes of the turn-signal lamps is excessive.
 - Check the bulbs.
4. The hazard-warning lamps do not function.
The turn-signal lamps function normally.
 - Check the hazard switch contact (hazard-warning lamp side).

BACKUP LAMP



HORN



(A-17X)

(A-32)

(A-33)

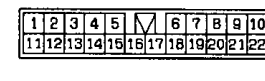
(A-49)

(A-50)

(B-32)

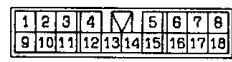
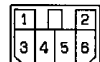
(B-71)

(B-73)



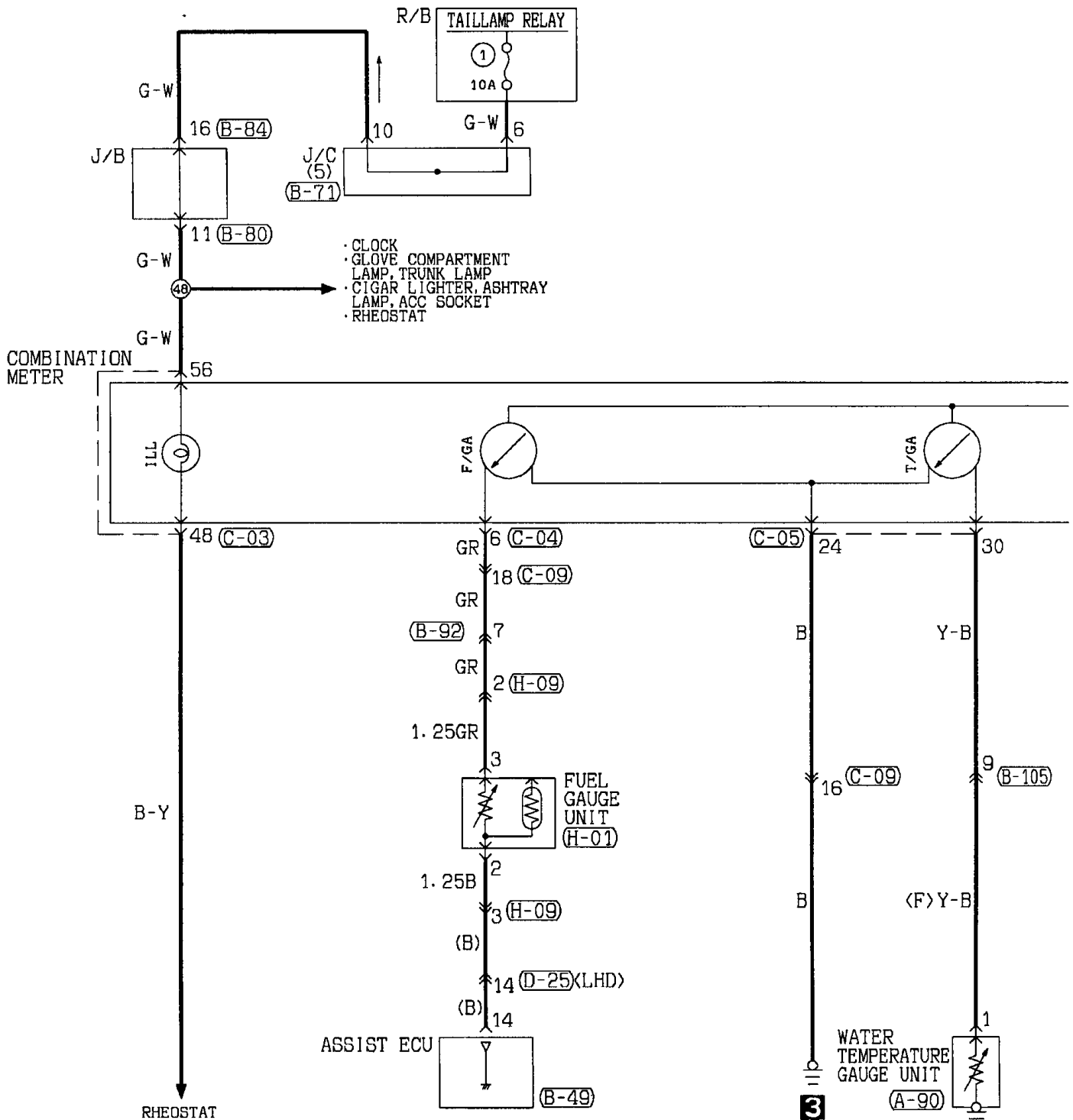
(B-77)

(B-84)

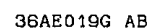


METER

Standard Meter



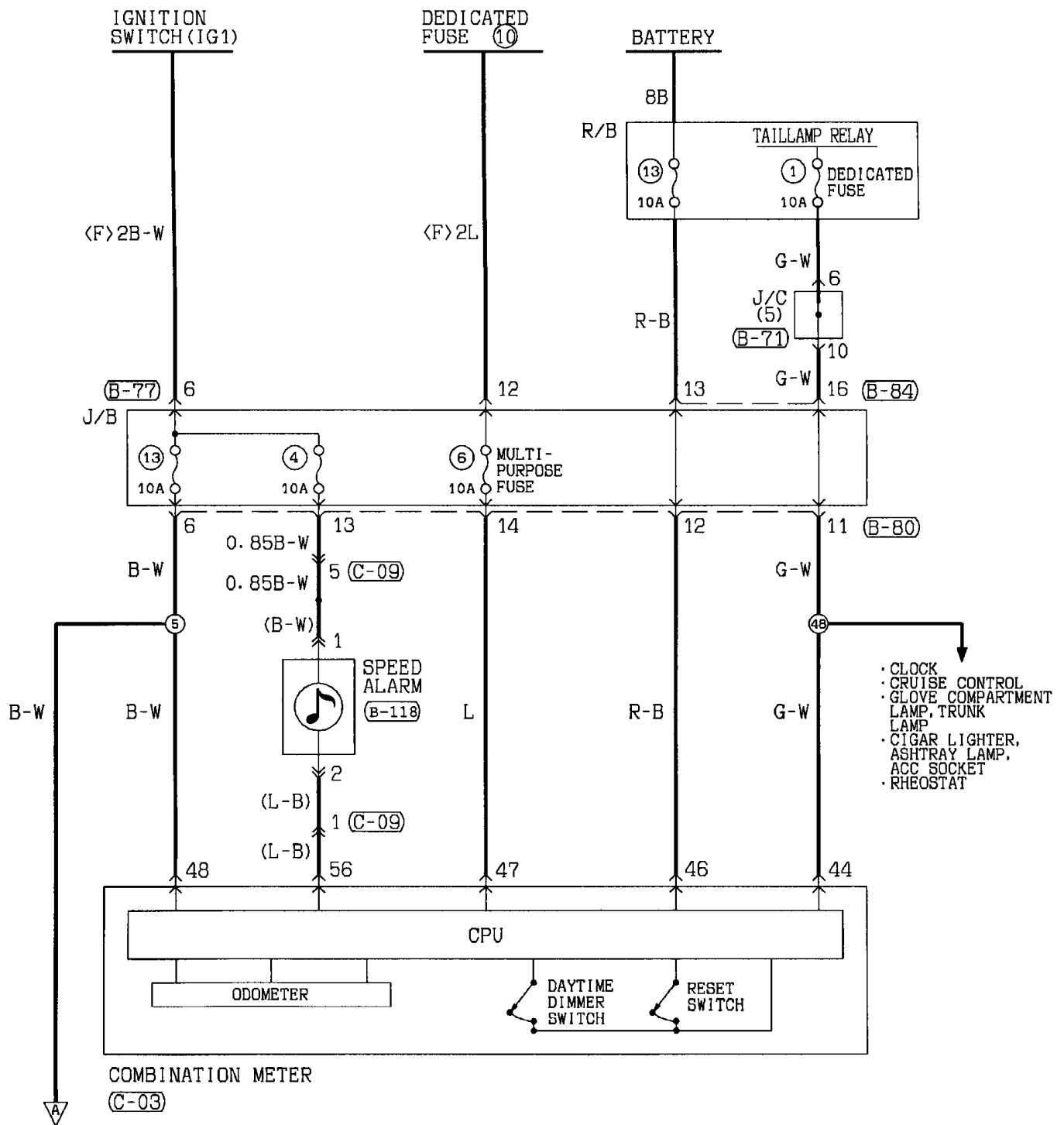
(A-90)	(B-49)	(B-92)	(B-71)	(B-80)	(B-84)	(B-105)
1 2 3 4 5 6 7 8 9 10 11 12 13 14	1 2 3 4 5 6 7 8 9 10 11 12 13 14	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10
(C-03)	(C-04)	(C-05)	(C-09)	(H-01)	(H-09)	(D-25)
41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	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	1 2 3 4 5 6 7 8 9 10 11 12 13 14	1 2 3 4 5 6 7 8 9 10 11 12 13 14



NOTES

METER

High Contrast Meter



(B-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

(B-77)

1	2
3	4
5	6

(B-80)

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

(B-84)

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

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

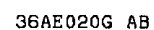
(B-118)

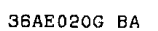
1
2

(C-09)

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

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METER (See P. 4-86, 4-89.)**OPERATION****<Fuel gauge>**

- When the ignition key is at the "ON" position, the fuel gauge is activated.
- When fuel level is high the unit's resistance is small and the current flowing in the circuit is large, so the gauge's indicator indicates in the "F" area.
- When fuel level is low, 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 key 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 current flow in the circuit is high, so the gauge's indicator indicates in the "H" area.
- When the engine coolant temperature is low, the unit's resistance is high and current flow in the circuit is low, so the gauge's indicator indicates in the "C" area.

<Electric type speedometer>

- With the ignition switch turned to ON position, the speedometer operates.
- The electric type speedometer uses an electric circuit to shape the wave of the electric signal from the vehicle speed sensor and after calculating vehicle speed, it drives the pointer.

TROUBLESHOOTING HINTS

1. Tachometer does not operate, or indicates incorrectly.
 - Check the tachometer. (Refer to P.54-27.)
2. Fuel gauge does not operate, or indicates incorrectly.
 - Check the fuel gauge. (Refer to P.54-32.)
 - Check the fuel gauge unit (Refer to P.54-28).
3. Engine coolant temperature gauge does not operate, or indicates incorrectly.
 - Check the engine coolant temperature gauge. (Refer to P.54-32.)
 - Check the engine coolant temperature gauge unit (Refer to P.54-30).
4. Speedometer does not operate.
 - Vehicle speed control system does not operate.
 - Check the vehicle speed sensor (Refer to P.54-32.)
 - Systems other than vehicle speed control
 - Check the speedometer (Refer to P.54-27).

OIL PRESSURE WARNING LAMP (See P. 4-94.)**FUEL WARNING LAMP (See P. 4-95.)****BRAKE WARNING LAMP (See P. 4-96.)****OPERATION****<Oil pressure warning lamp>**

- This warning lamp illuminates when the ignition key is in "ON" position, and goes off after the engine is started and engine oil pressure rises above a pre-determined value. If oil pressure falls below the pre-determined value, the oil pressure switch contacts close signalling the Assist-ECU. The Assist-ECU sends a signal to the instrument panel ECU via the SWS communications line and the instrument panel ECU switches the warning lamp on.

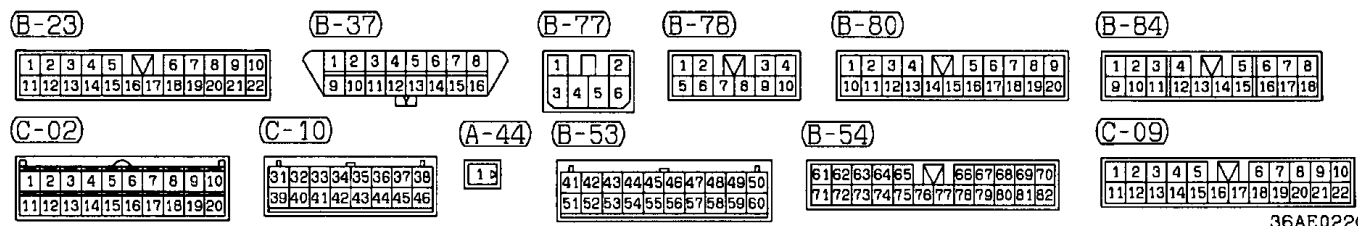
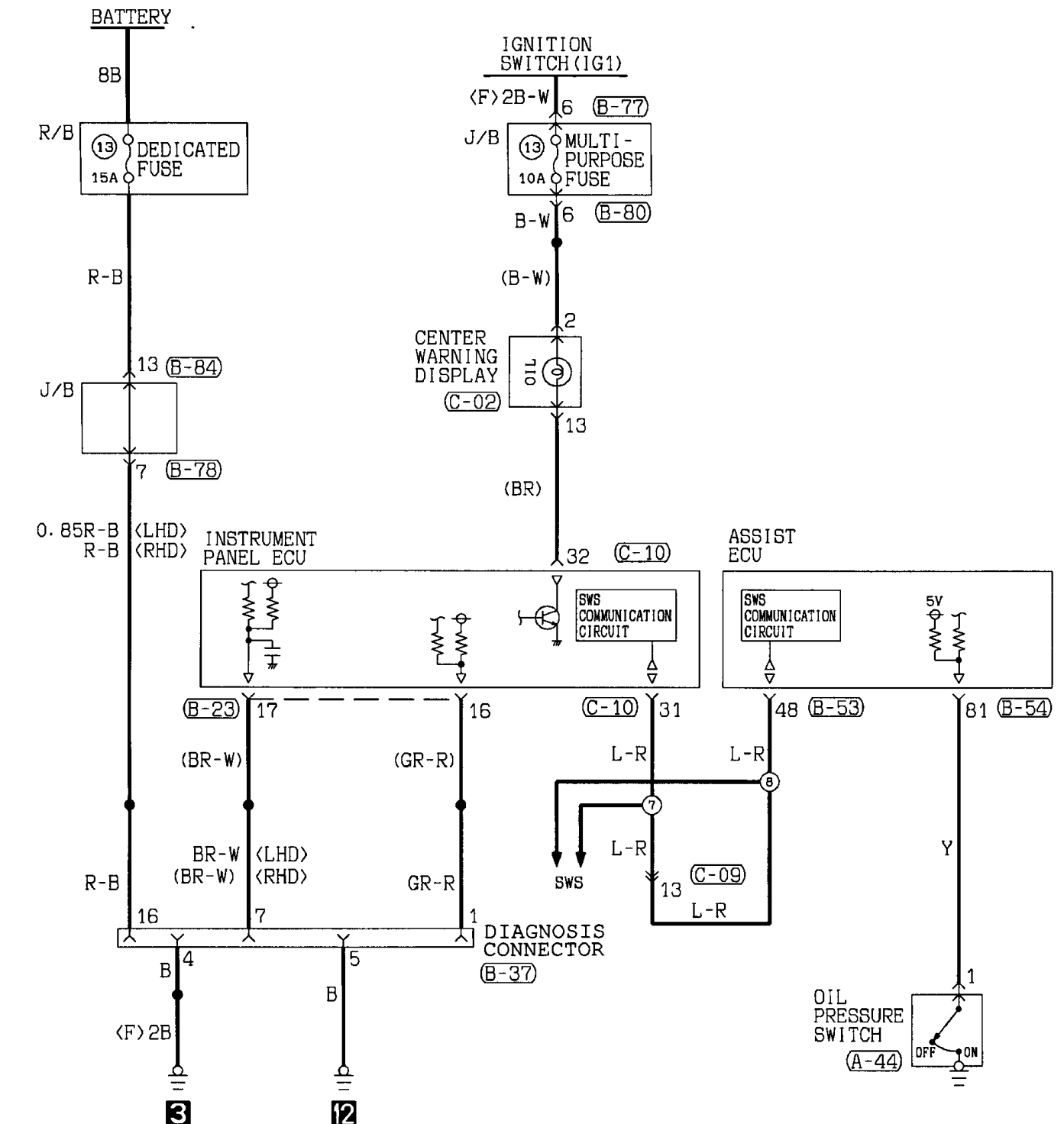
<Brake warning lamp>

- This warning lamp illuminates when the ignition key is in "ON" position, and goes off after the engine has started. The parking brake switch inputs a signal to the ETACS-ECU and the brake fluid level sensor inputs a signal to the Assist-ECU to provide ON-OFF indication.

<Low fuel warning lamp>

- The low fuel warning lamp is illuminated when the fuel level in the fuel tank is below a specified level. The resistance of the fuel level sensor is high when fully immersed in fuel and decreases when exposed to air. When the resistance reaches a specified value, the Assist-ECU determines that fuel level is low and sends a signal to the instrument panel ECU via the SWS communications line and the instrument panel ECU switches the fuel warning lamp on.

OIL PRESSURE WARNING LAMP



BATTERY

8B

R/B

13 15A DEDICATED FUSE

R-B

J/B

13 (B-84)

7 (B-78)

0.85R-B <LHD> R-B <RHD>

INSTRUMENT PANEL ECU

17 (B-23) (BR-W)

16 (GR-R)

16 (BR-W) <LHD> (BR-W) <RHD>

7

16

4 B <F> 2B

5 B

DIAGNOSIS CONNECTOR (B-37)

IGNITION SWITCH (IG1)

<F> 2B-W 6 (B-77)

J/B

13 10A MULTI-PURPOSE FUSE

B-W 6 (B-80)

(B-W)

2

CENTER WARNING DISPLAY (C-02)

FUEL

12

(LG)

38 (C-10)

ASSIST ECU

SWS COMMUNICATION CIRCUIT

5V

48 (B-53)

1 (R)

13 (R)

1

1.25R

FUEL GAUGE UNIT (H-01)

2

1.25B

(H-09)

3 (B)

14 (B) (B-49)

14 (D-25) <LHD>

(B-23)

(B-37)

(B-77)

(B-78)

(B-80)

(B-84)

(B-49)

(C-02)

(C-10)

(B-53)

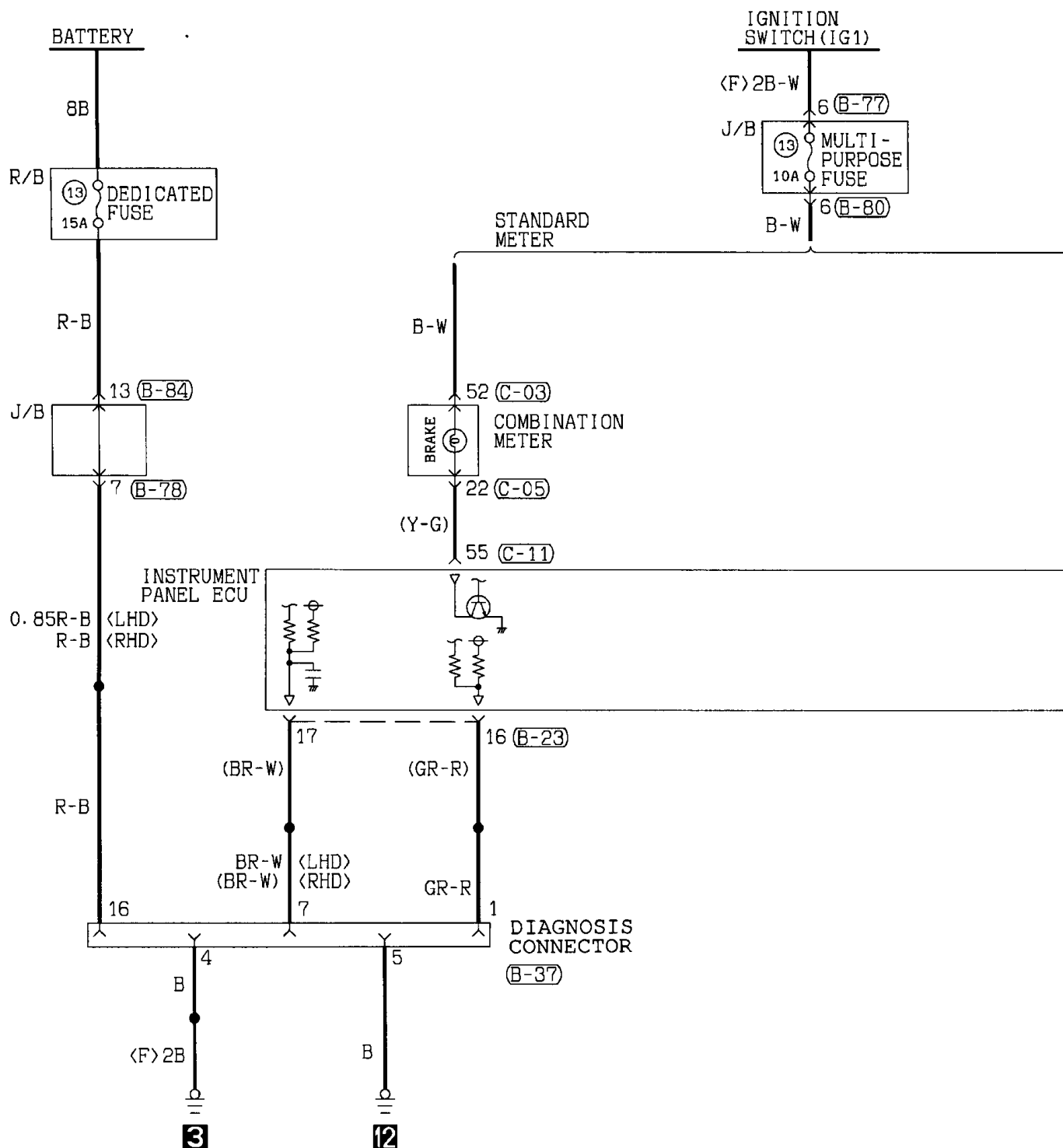
(C-09)

(H-09)

(H-01)

D-25

BRAKE WARNING LAMP



(B-23)

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

(B-37)

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

(B-77)

1	2
3	4
5	6

(B-78)

1	2	3	4
5	6	7	8
9	10		

(B-80)

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

(B-84)

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

(C-11)

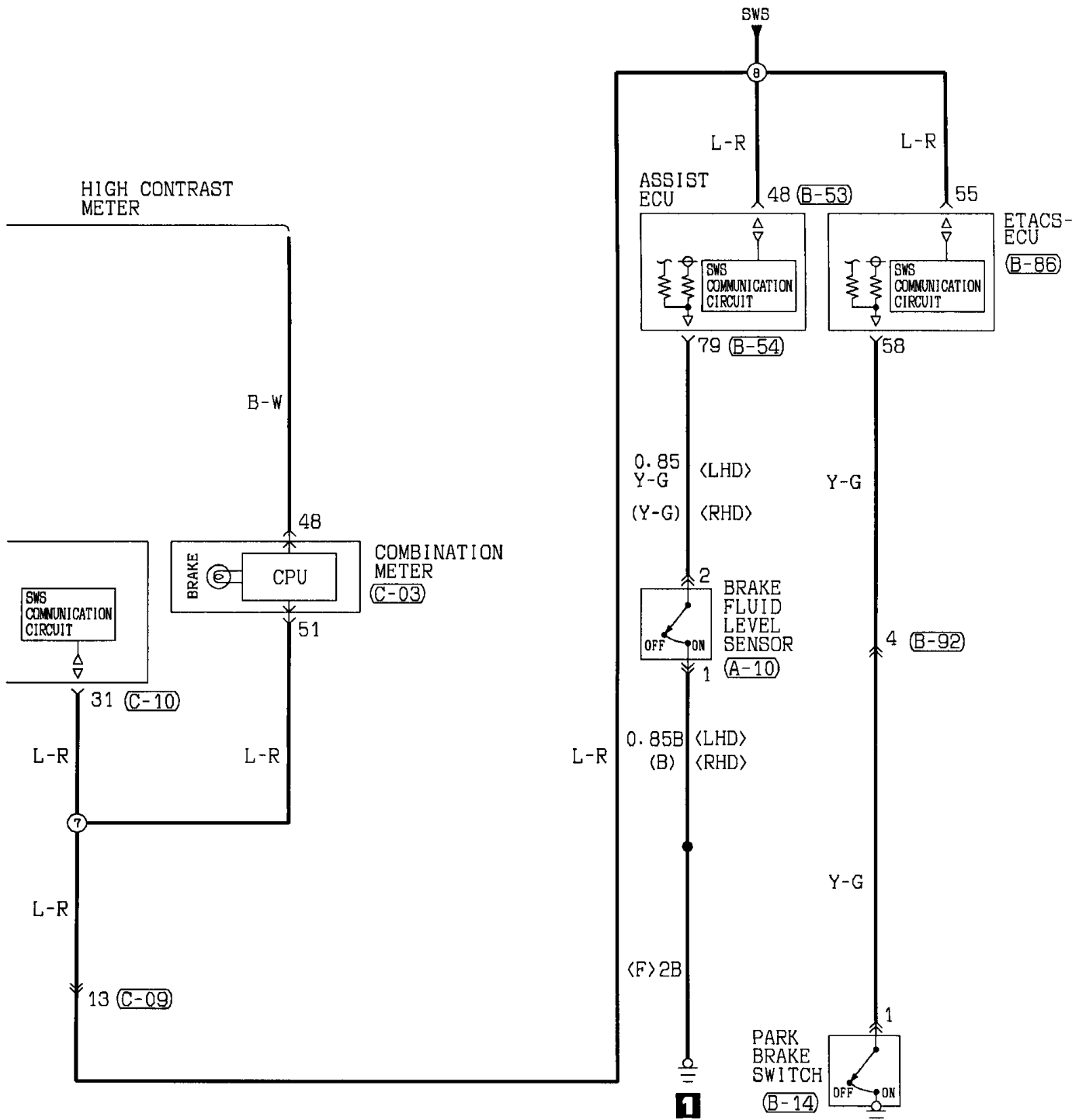
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

(C-05)

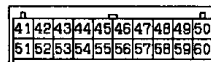
21	22	23	24	25	26	27	28
30	31	32	33	34	35	36	37



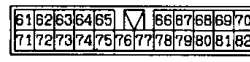
<LHD> (A-10) <RHD> (A-10)



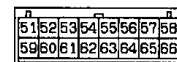
(B-53)



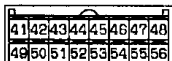
(B-54)



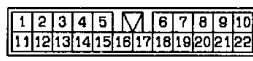
(B-86)



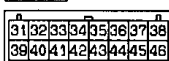
(C-03)



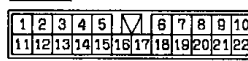
(C-09)



(C-10)



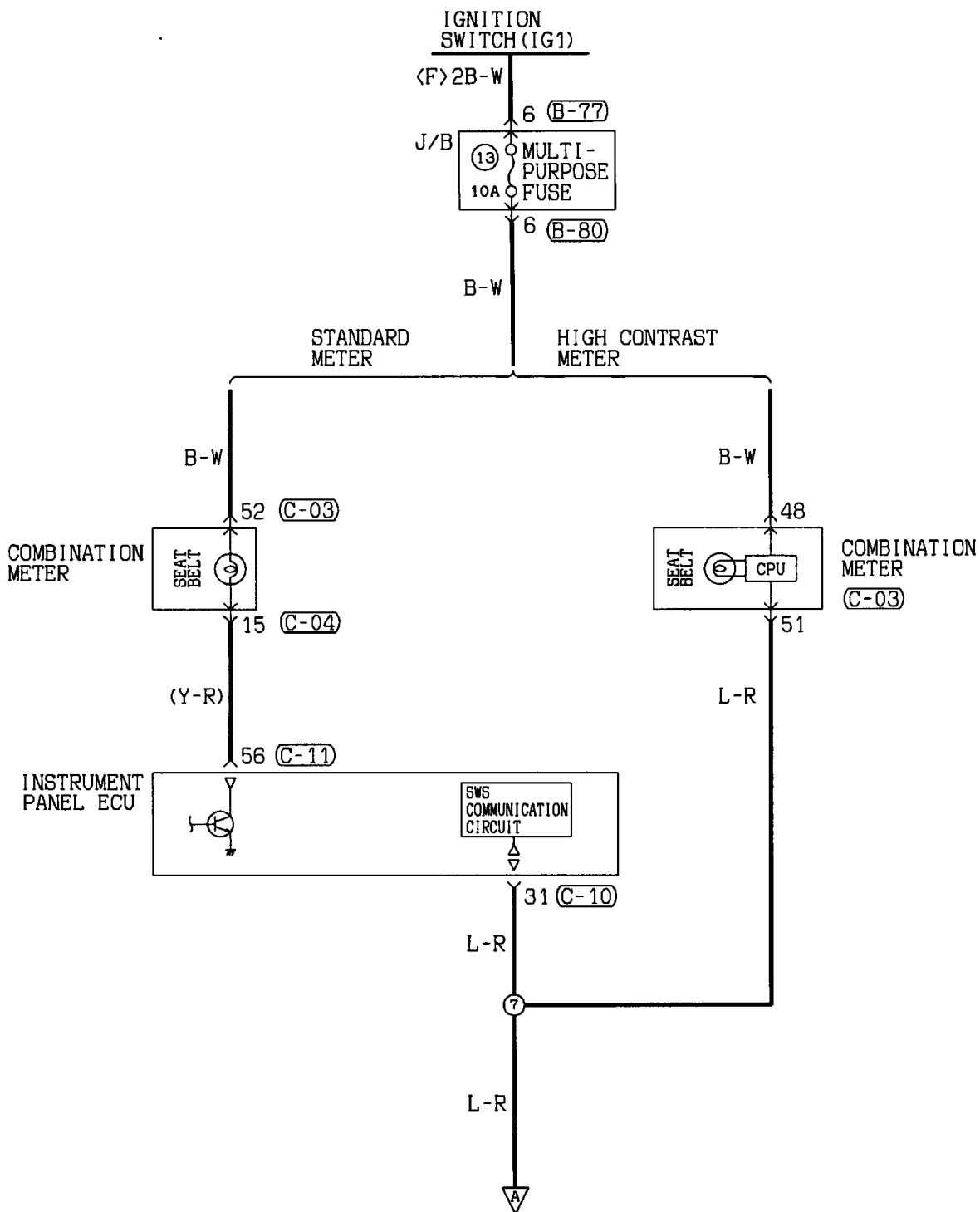
(B-92)



(B-14)



SEAT BELT WARNING LAMP



(B-77)

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

(B-80)

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

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

(C-04)

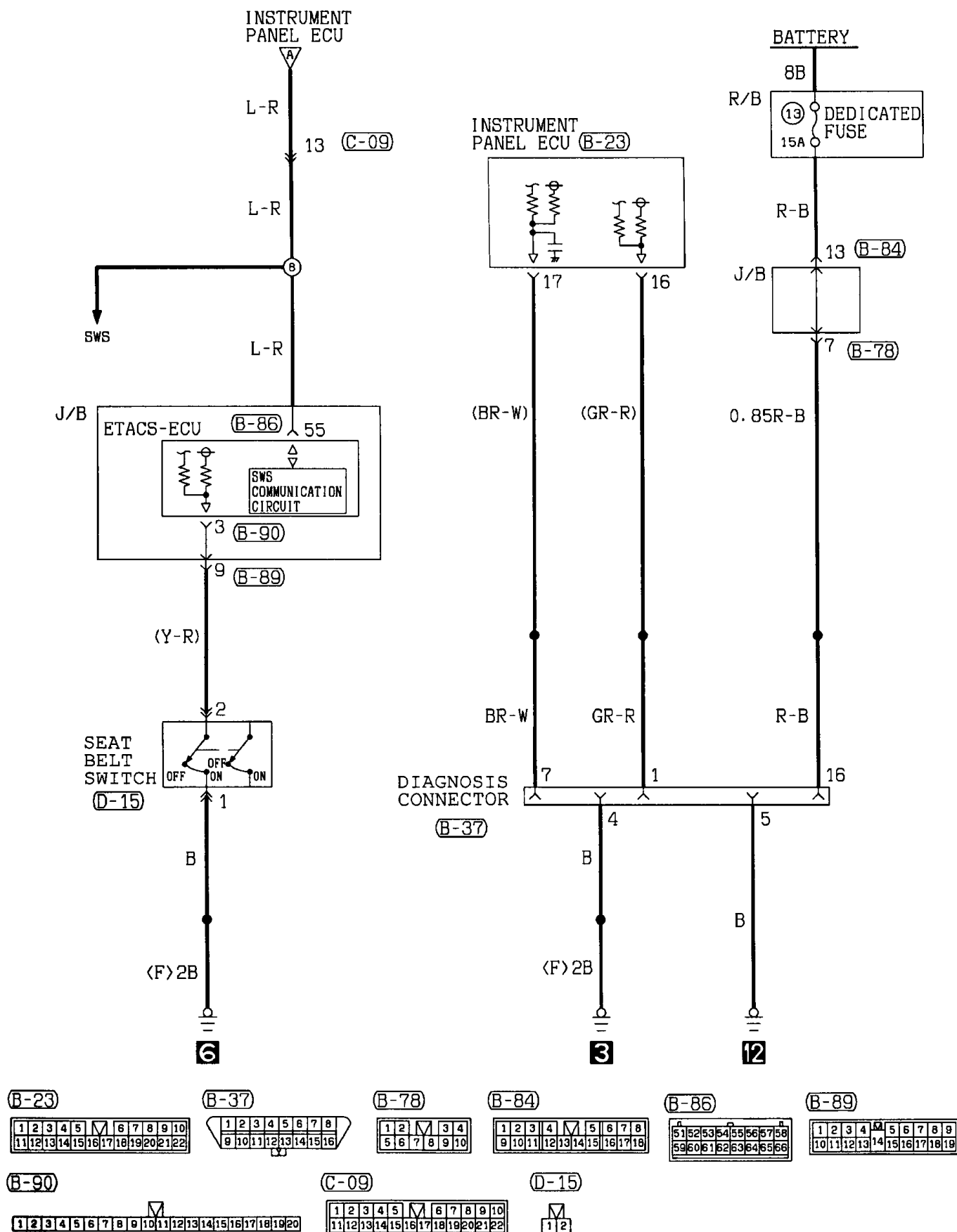
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

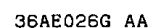
(C-10)

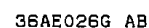
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(C-11)

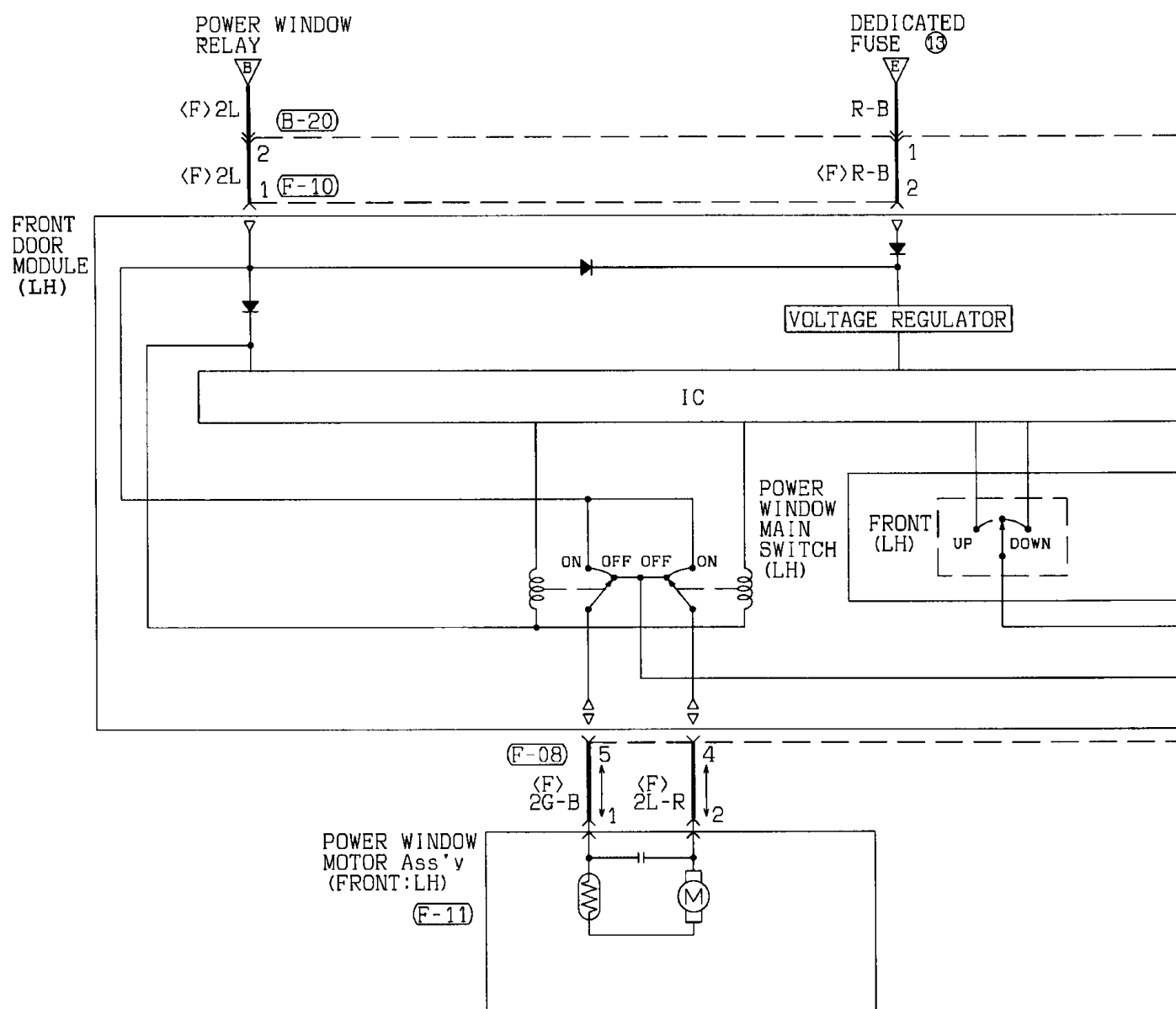
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70







POWER WINDOWS (CONTINUED)



(B-20)

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				

(F-08)

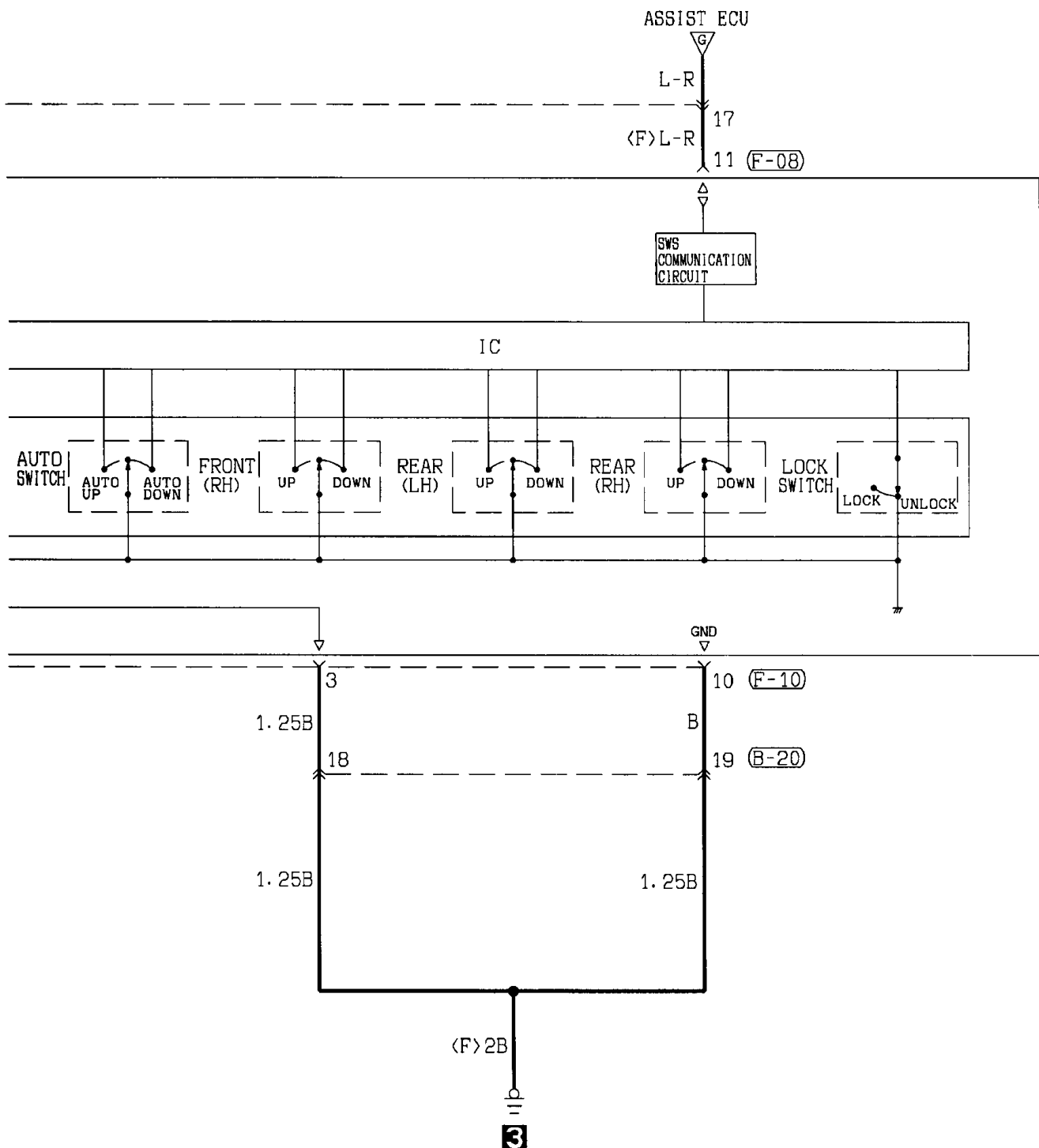
11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26

(F-10)

1	2	M	3	4
5	6	7	8	9
10				

(F-11)

M
1
2



(B-20)

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				

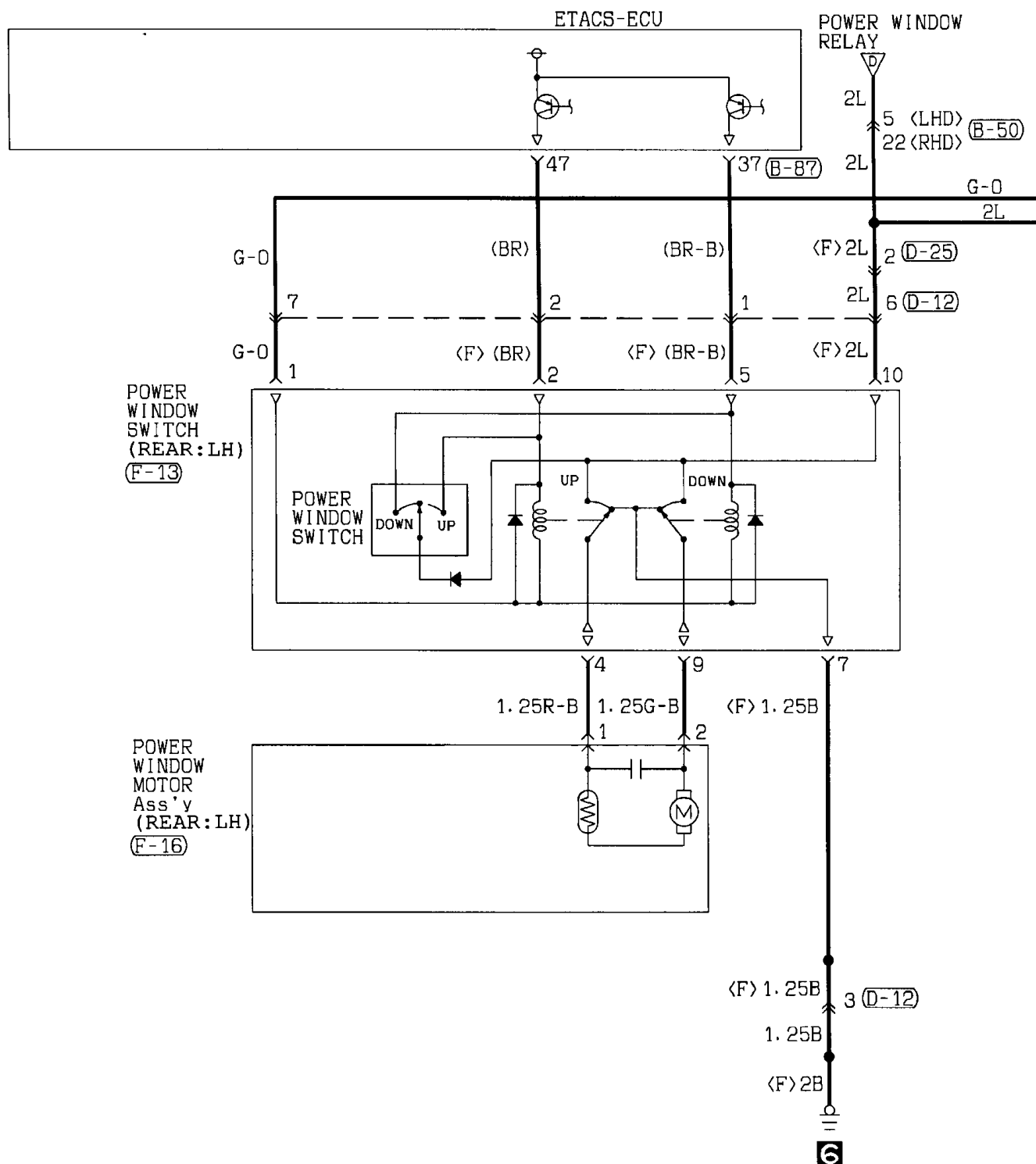
(F-08)

11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26

(F-10)

1	2	3	4
5	6	7	8
9	10		

POWER WINDOWS (CONTINUED)



(B-50) (LHD)

1	2	3	4
5	6	7	8

(B-86)

51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66

(B-87)

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

(D-12)

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

(D-25)

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

(F-13)

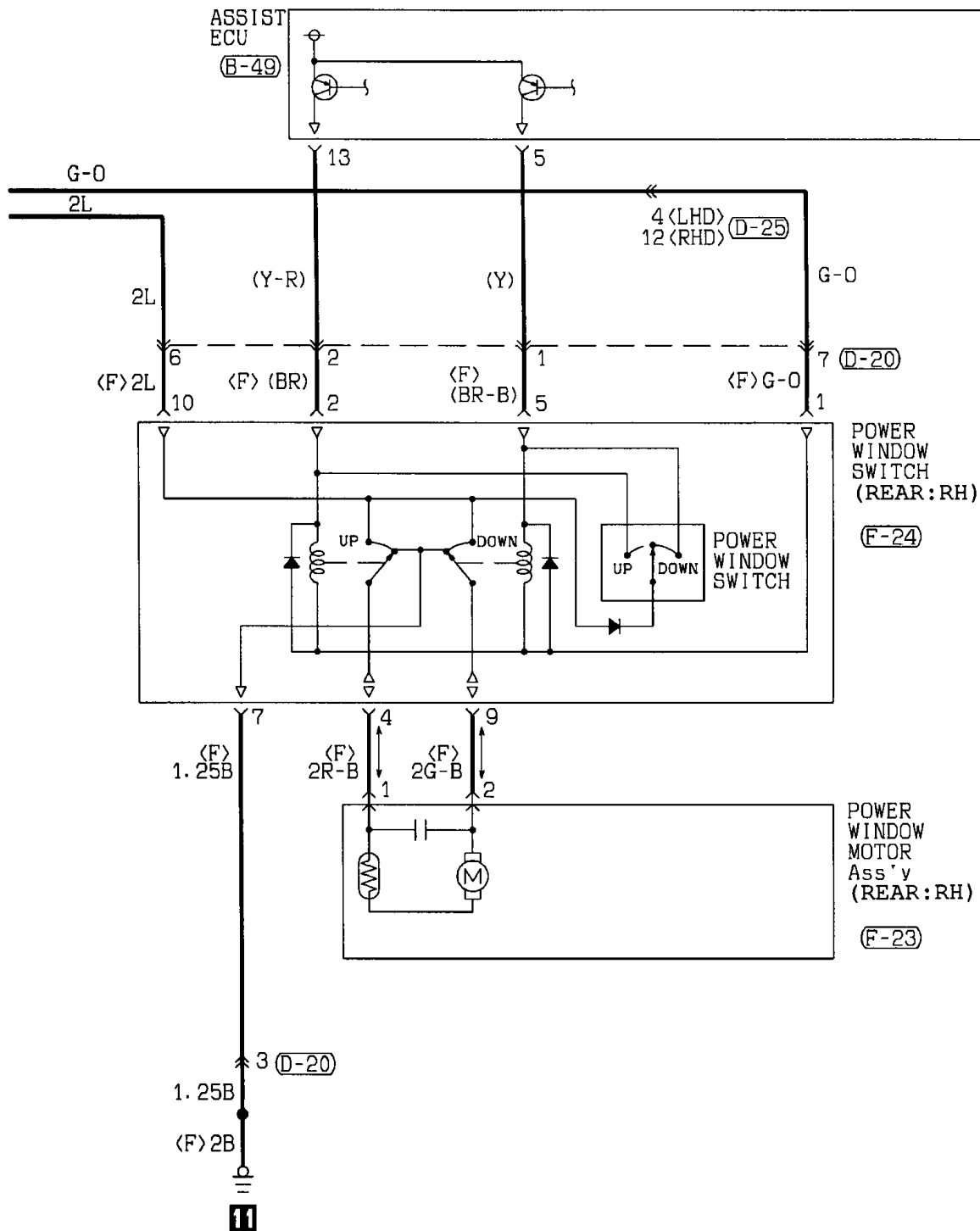
1	2	3	4
5	6	7	8

(F-16)

1	2
---	---

(B-50) (RHD)

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



(B-49)

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

(D-20)

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

(F-21)

1	2
3	4

(F-23)

M	1	2
---	---	---

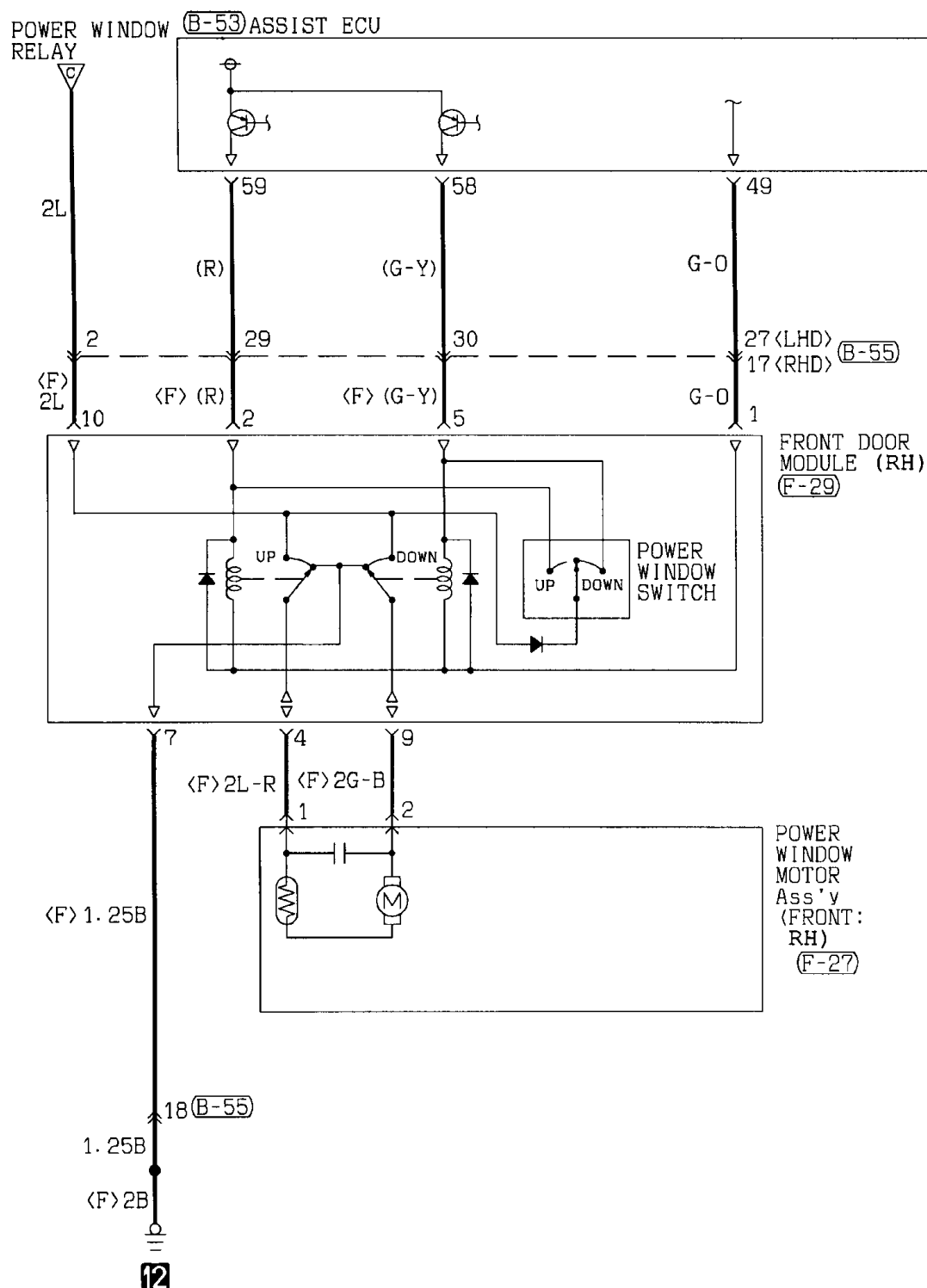
(F-24)

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

(D-25)

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

POWER WINDOWS (CONTINUED)



(B-53)

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

(B-55)

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				

(F-27)

1	2
---	---

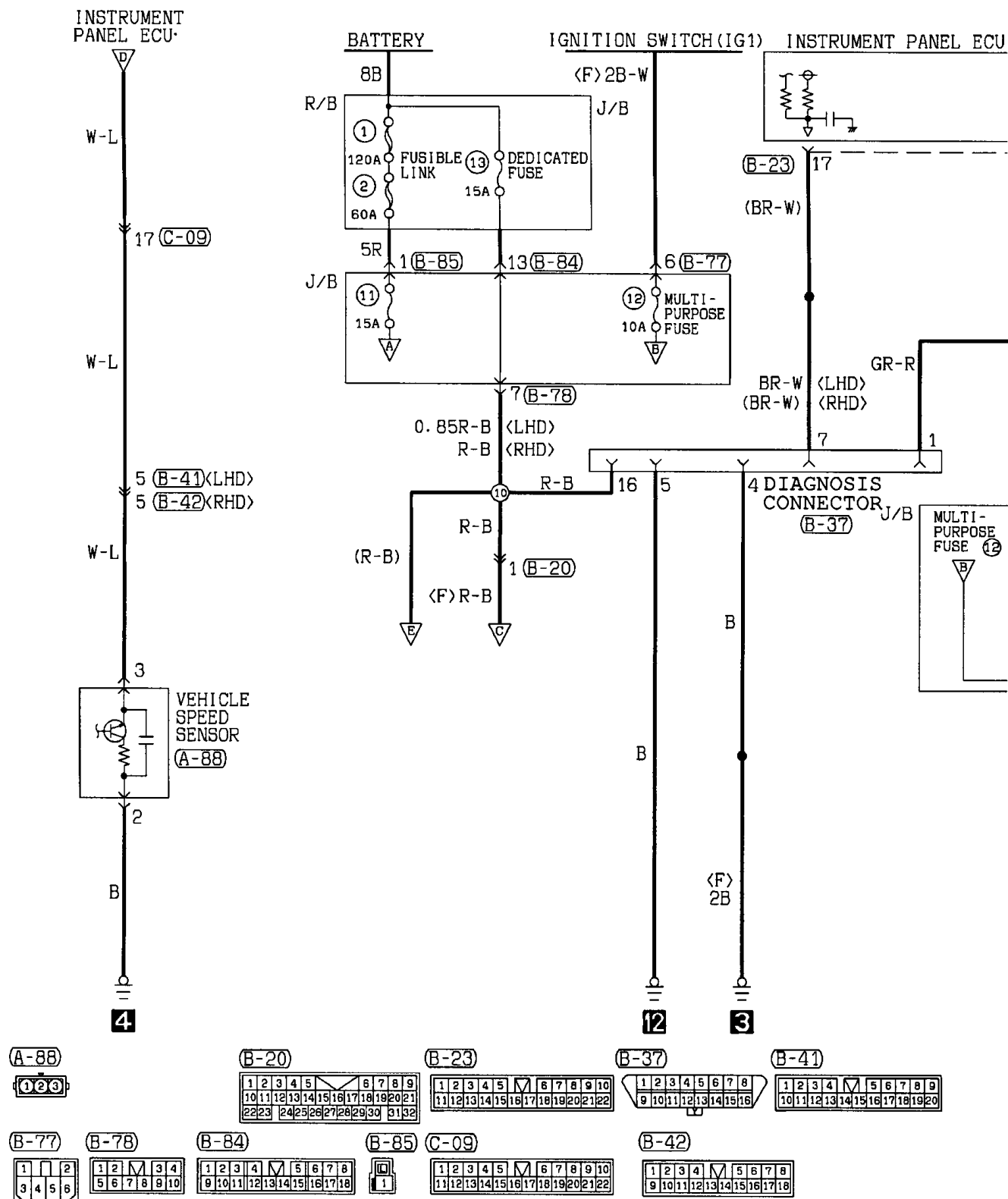
(F-29)

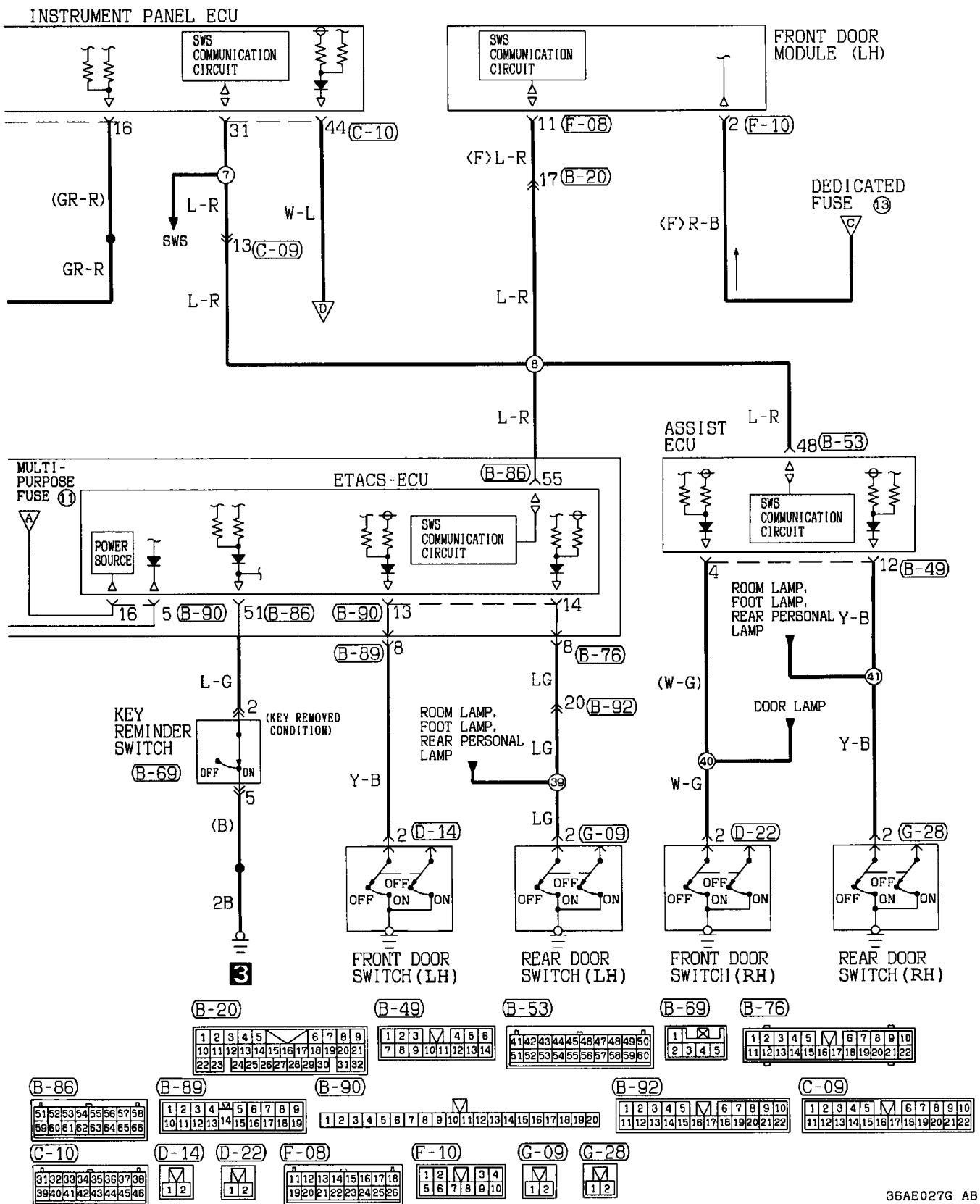
1	2	3	4
5	6	7	8
9	10		

POWER WINDOWS (See P. 100.)**OPERATION**

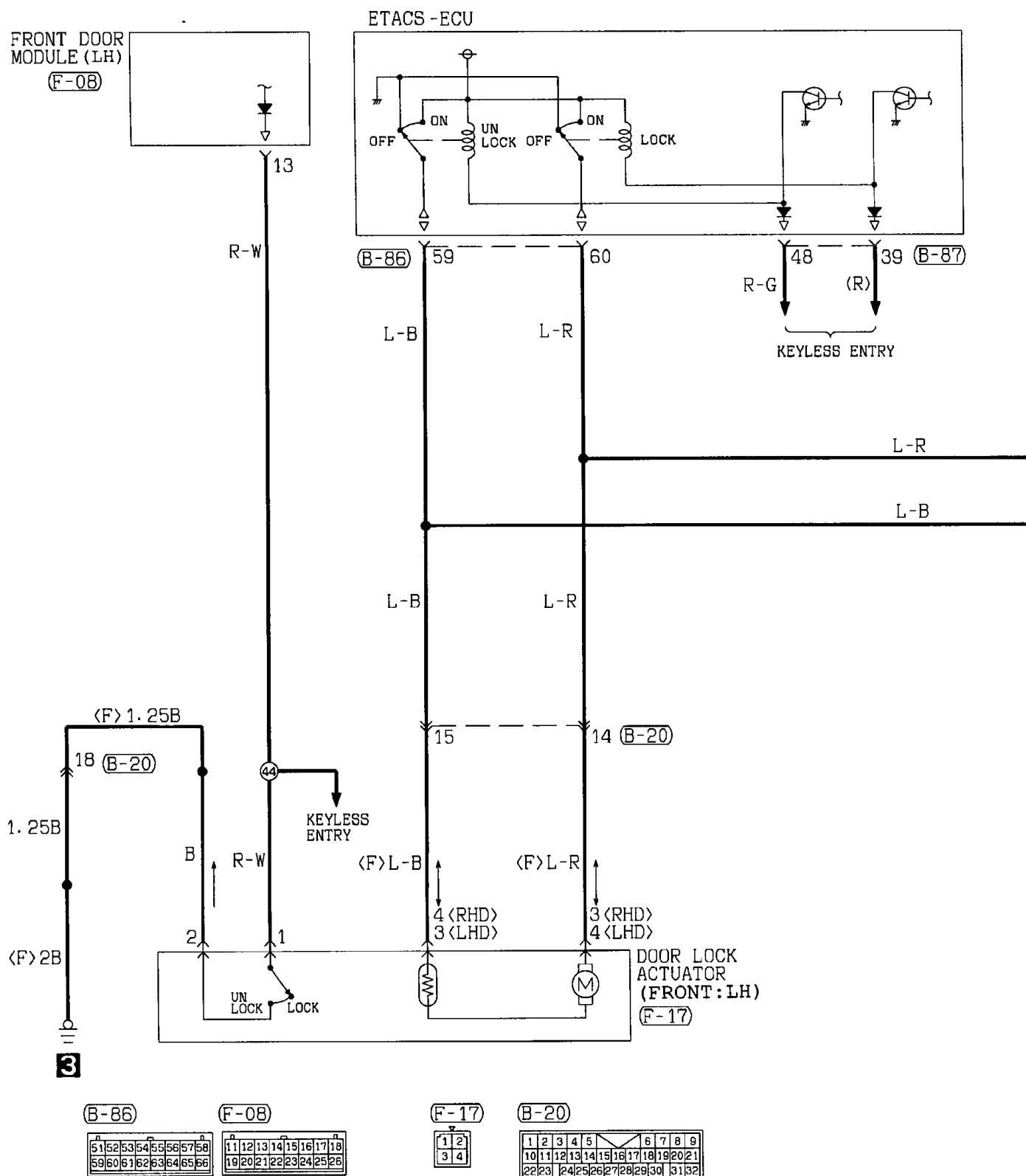
- When the ignition switch is turned to the ON position (IG2), power window output signal is transmitted from the power window main switch inside timer circuit to IC, and power window operates.
- After turning the ignition switch to OFF, the timer circuit continues to transmit the power window output signal to IC or Tr for 30 seconds. If the driver's door is opened (door switch is switched ON), the timer circuit continues the output signal transmission for another 30 seconds. After closing the driver's door the timer does not operate.

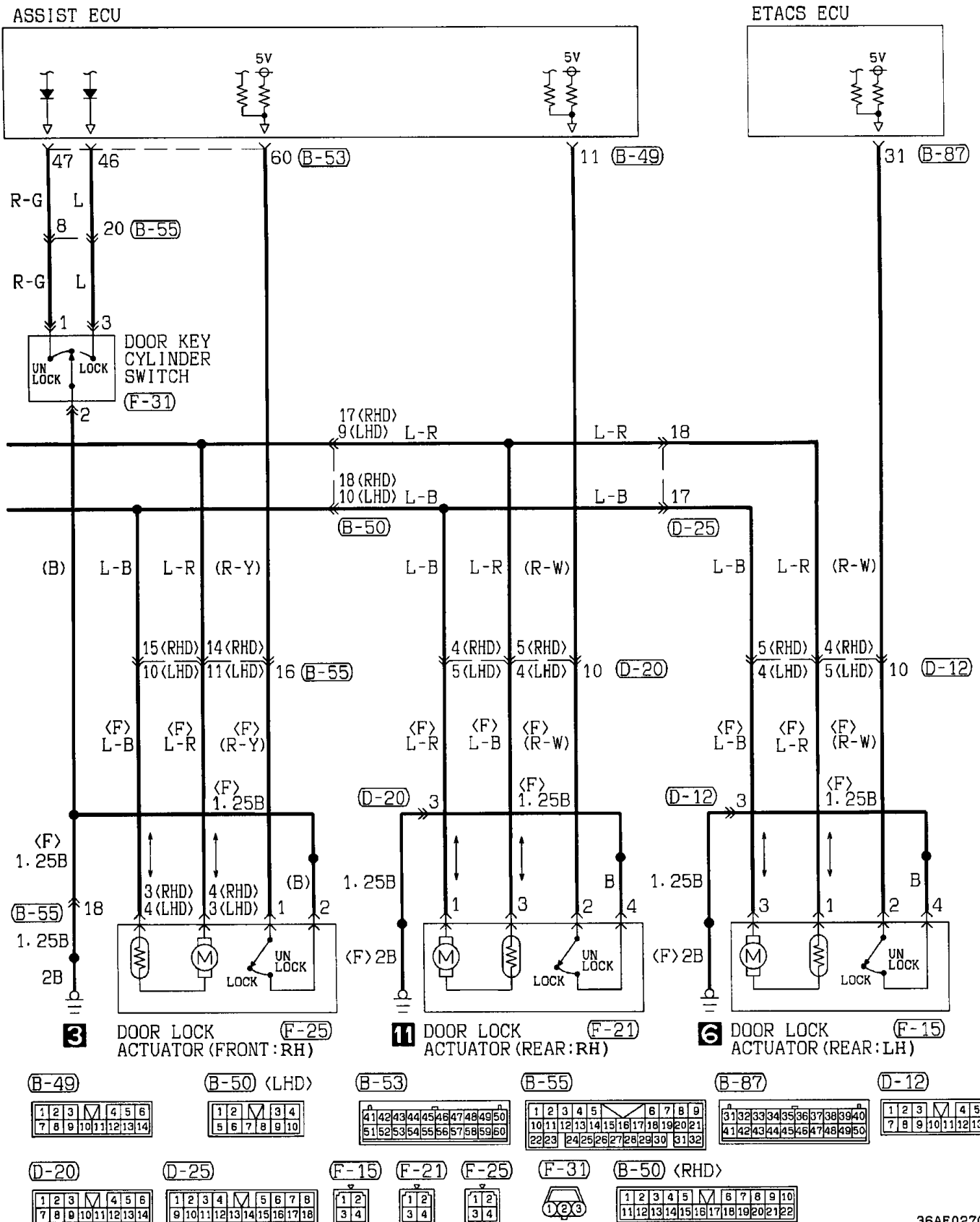
CENTRAL DOOR LOCKING



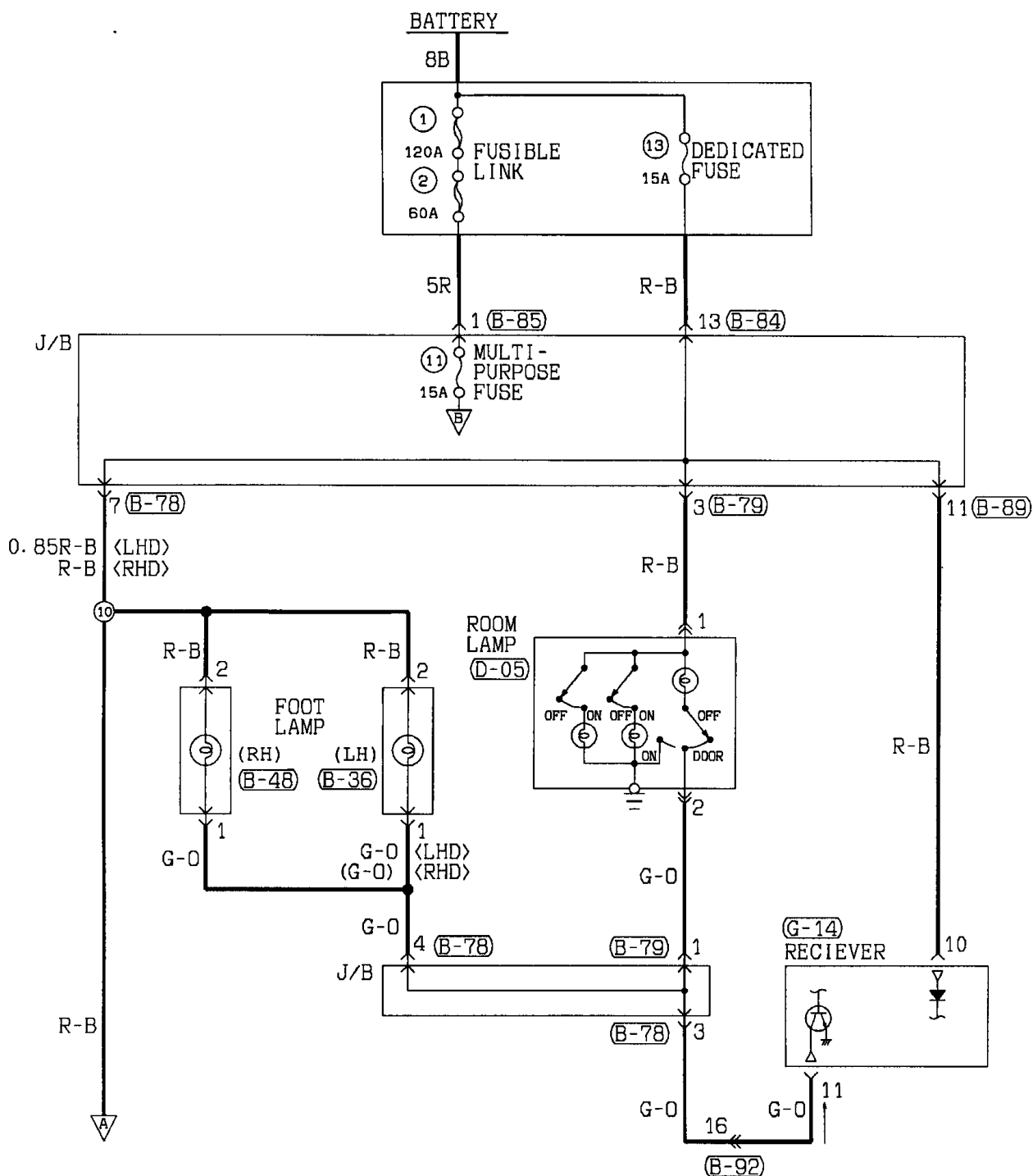


CENTRAL DOOR LOCKING (CONTINUED)





KEYLESS ENTRY



(B-36) (B-48) (B-78)

1	2
---	---

1	2
---	---

1	2	3	4
5	6	7	8

(B-79)

1	2
---	---

(B-84)

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

(B-85)

1

(B-89)

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

(B-92)

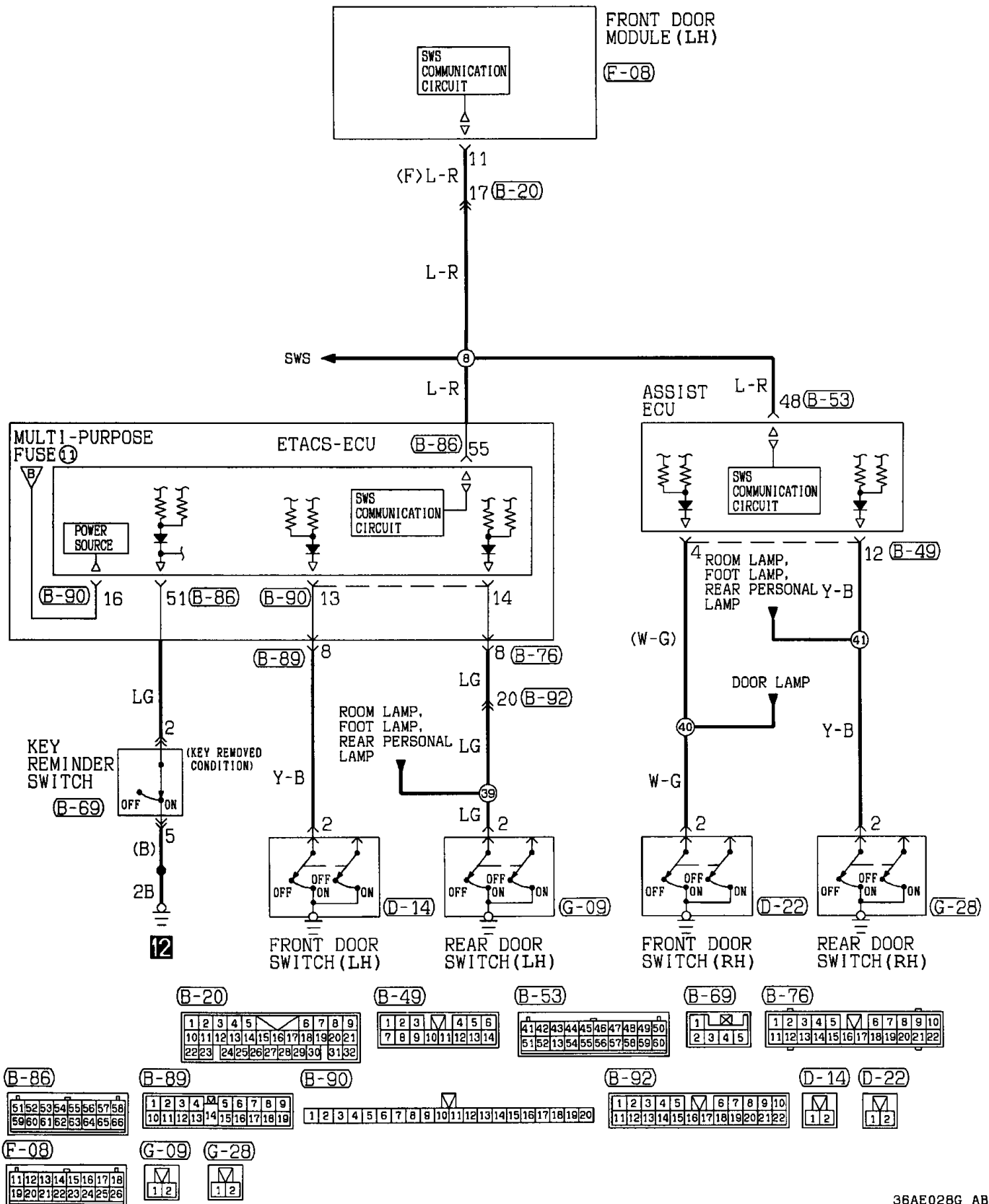
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

(D-05)

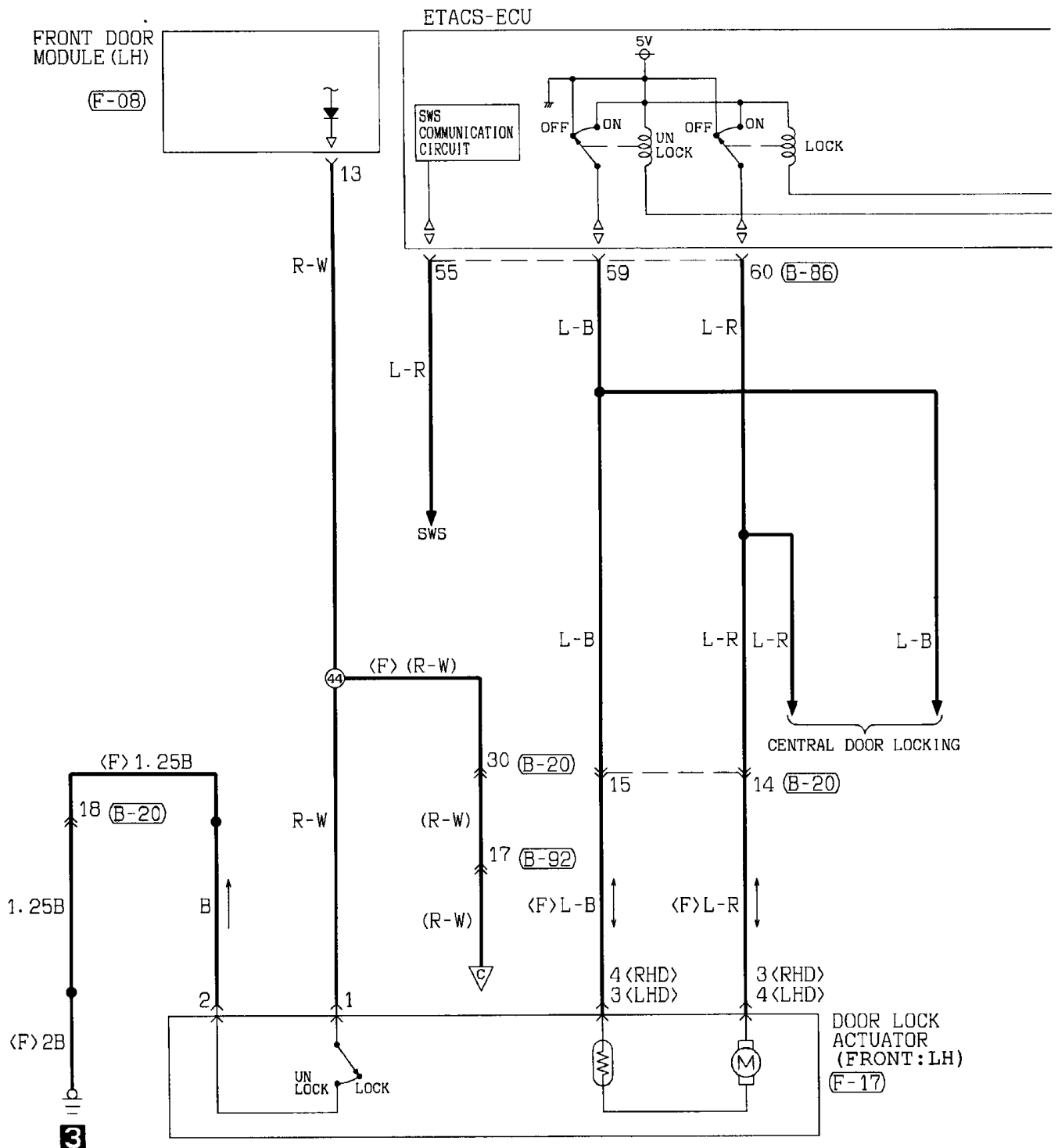
1

(G-14)

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



KEYLESS ENTRY (CONTINUED)



(B-20)

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

(B-86)

51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66

(B-92)

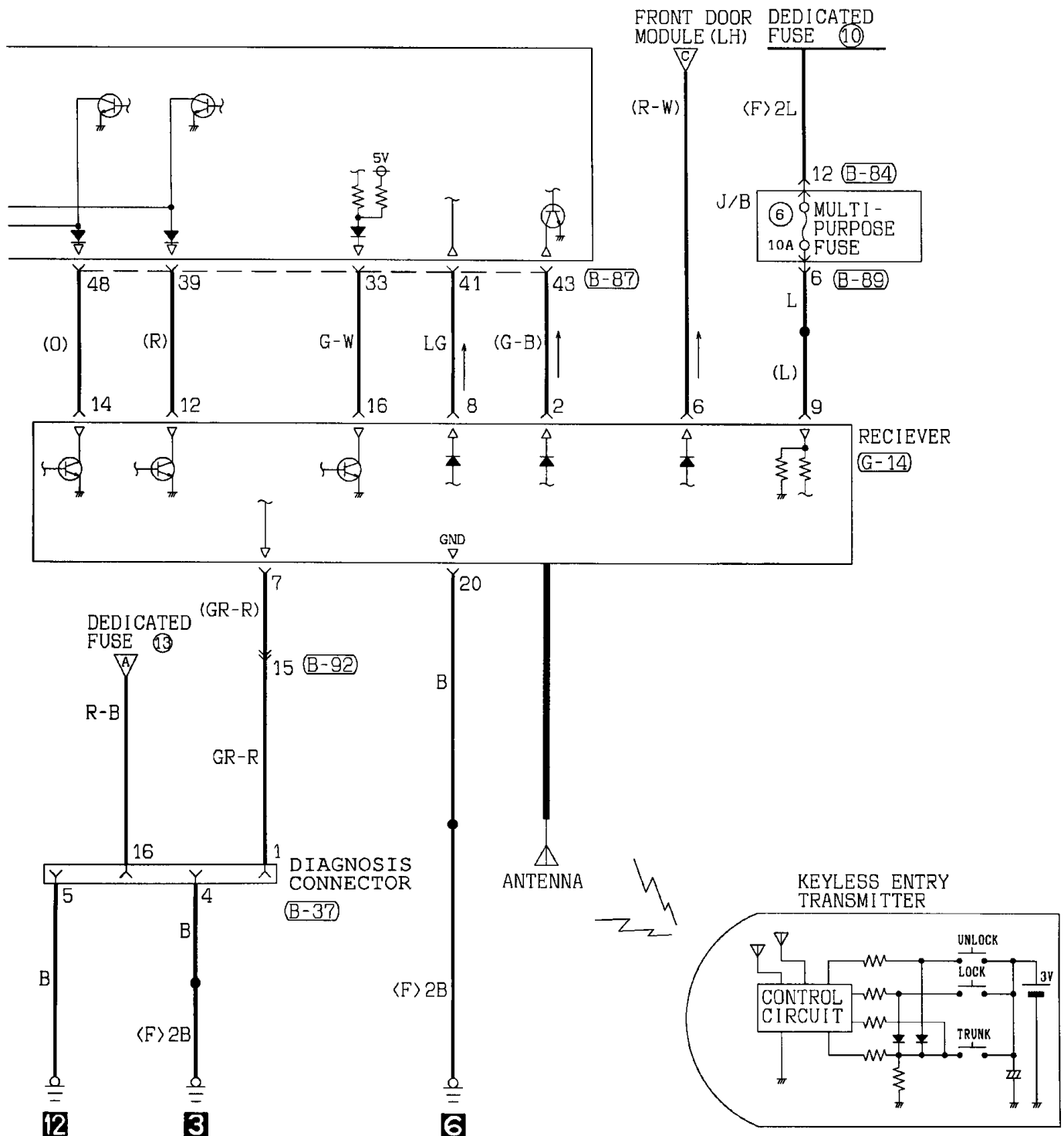
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22								

(F-08)

11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26

(F-17)

1	2
3	4



(B-37)

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

(G-14)

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

(B-84)

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

(B-87)

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

(B-89)

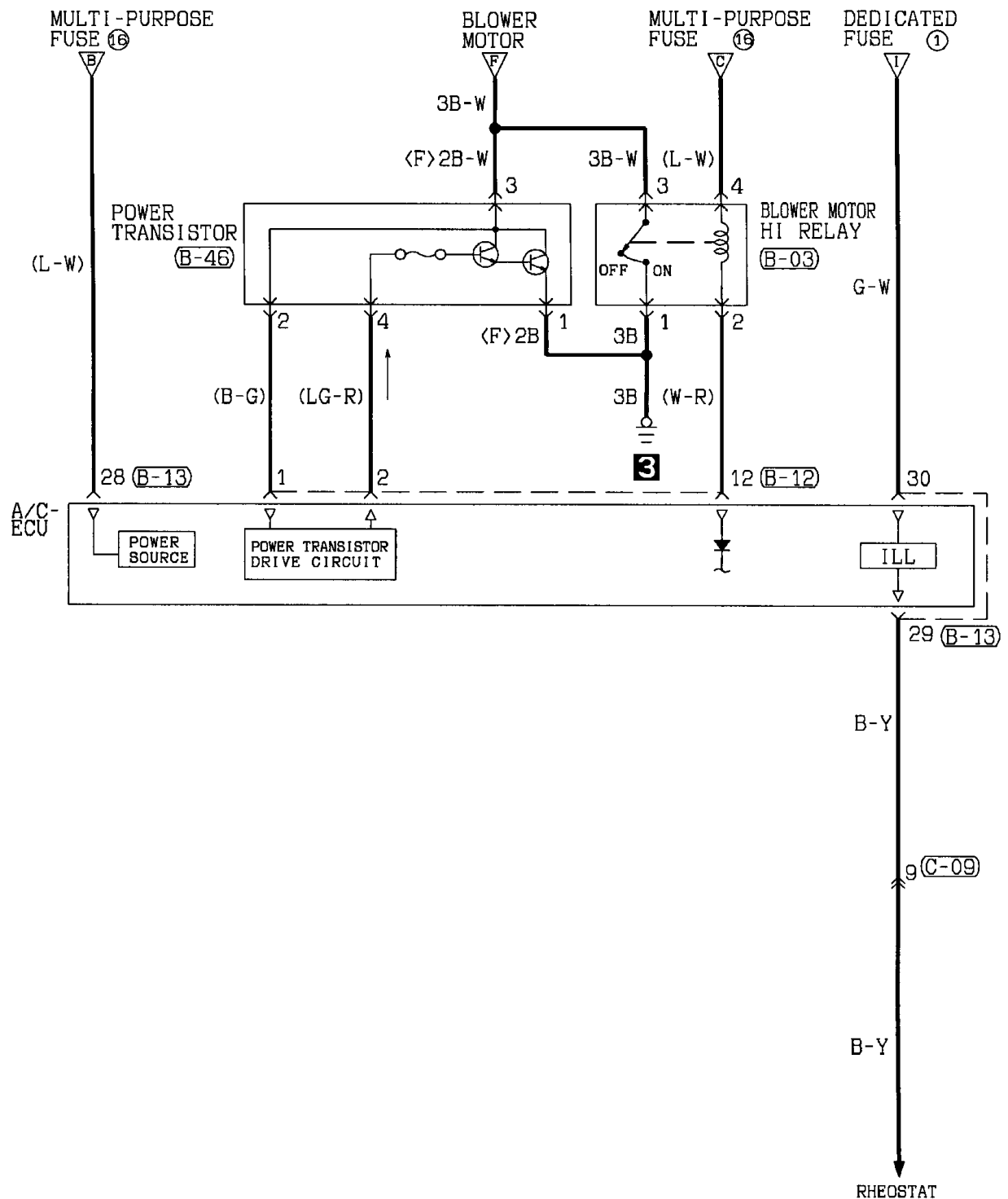
1	2	3	4	5	6	7	8	9	
10	11	12	13	14	15	16	17	18	19

(B-92)

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

NOTES

[illegible]



B-03

1	2
3	4

B-12

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

B-13

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

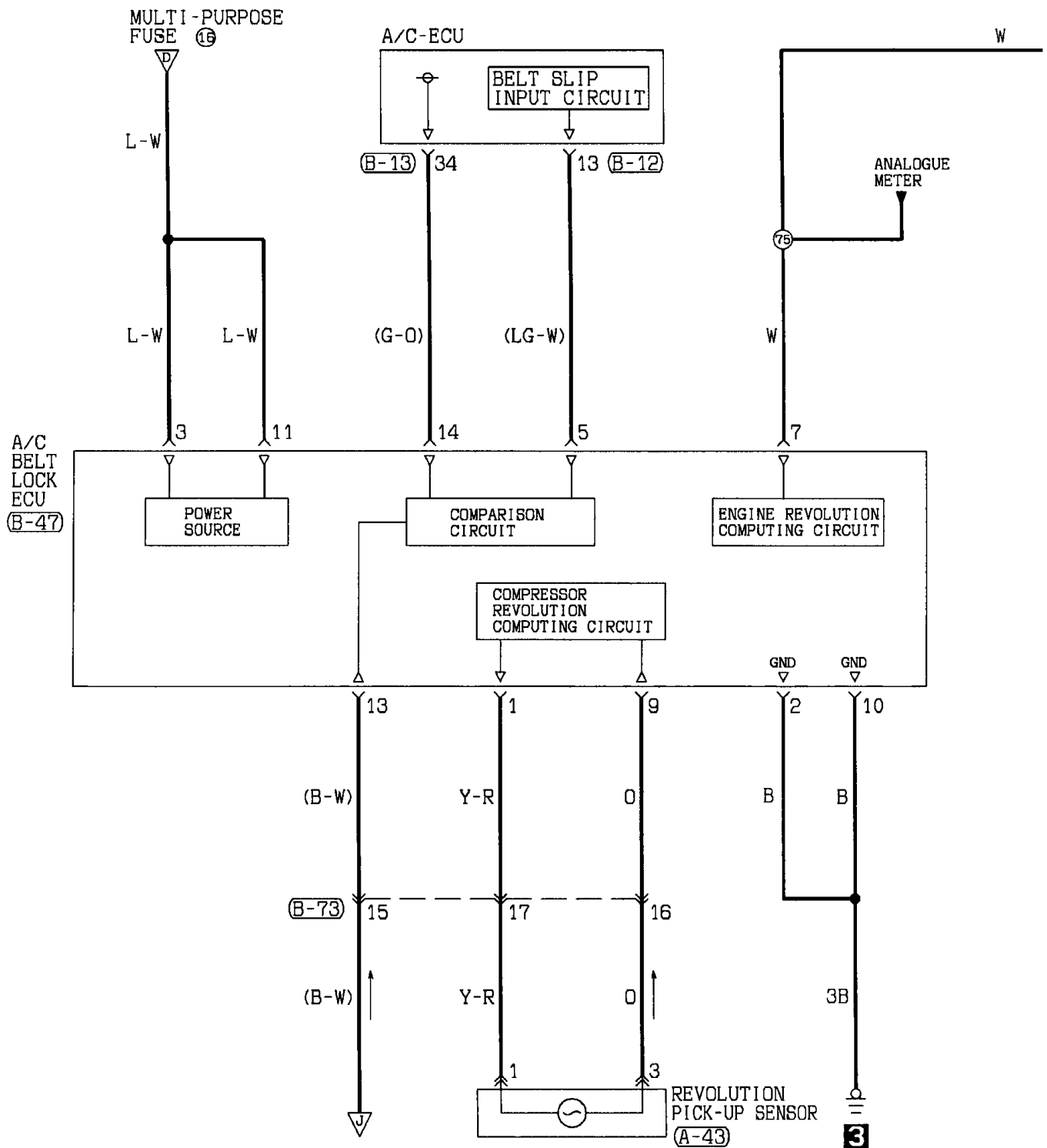
B-46

1	2
3	4

C-09

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

FULL AUTOMATIC AIR CONDITIONING (CONTINUED)



(A-43)

(B-12)

(B-13)

(B-47)

(B-73)

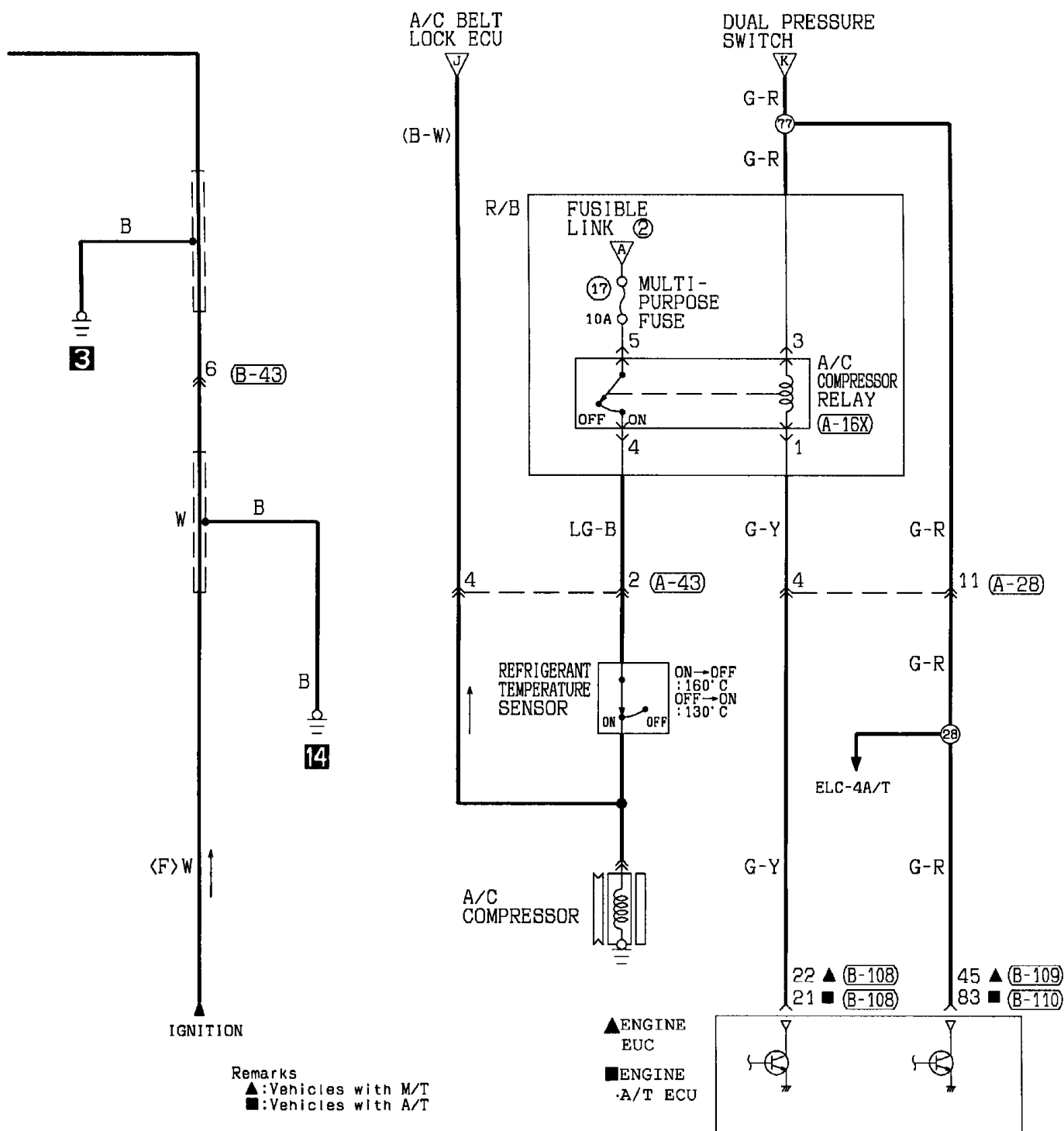


1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

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								



(A-16X)

1	2	3
4		
5		

(A-43)

1	2
3	4

(A-28)

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

(B-43)

1		2
3	4	5
6		

(B-108) ▲

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

(B-109) ▲

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

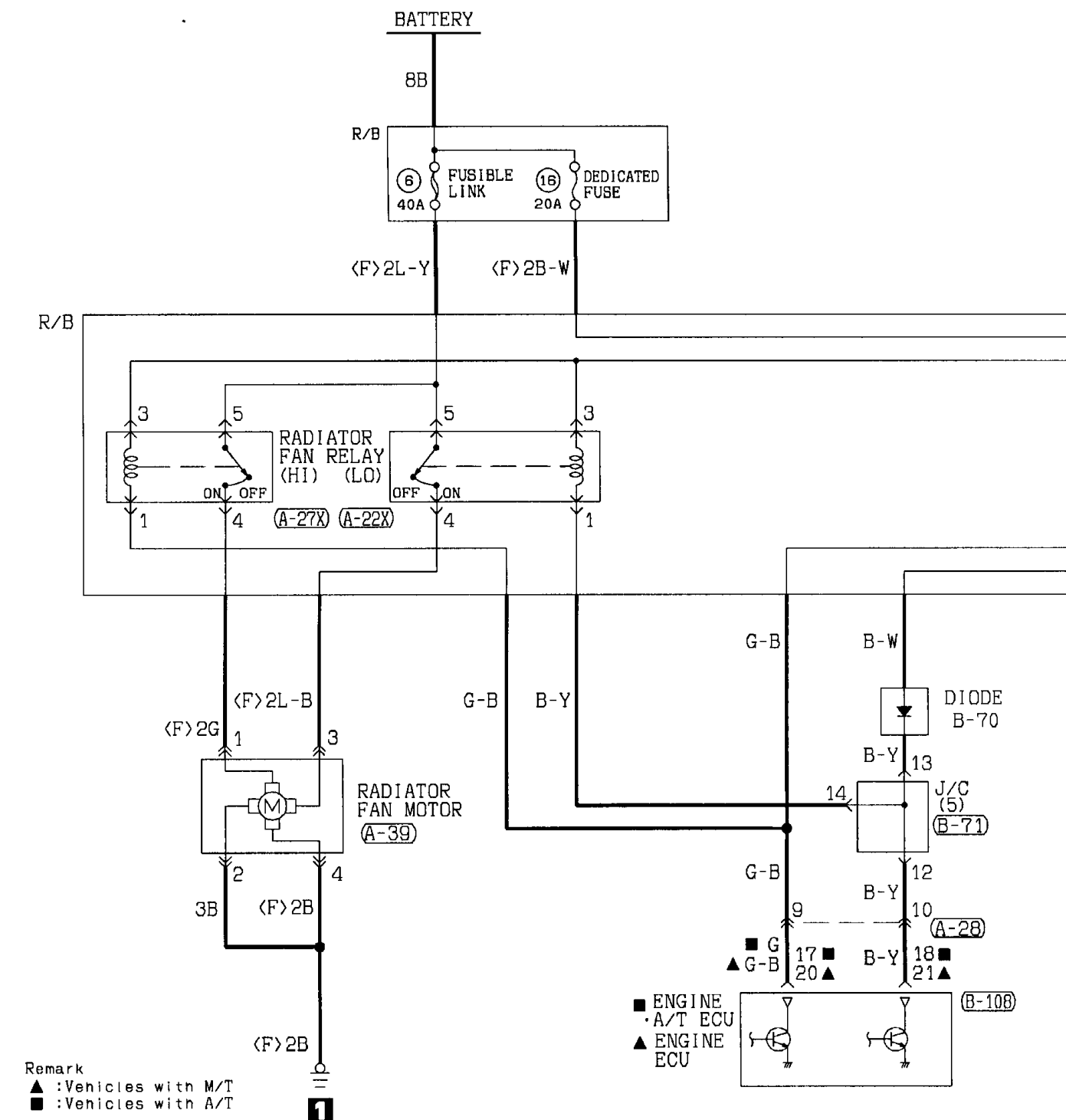
(B-108) ■

1	2	3	4	JAE				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									

(B-110) ■

71	72	73	74	JAE				75	76	77
78	79	80	81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96	97	98	

FULL AUTOMATIC AIR CONDITIONING (CONTINUED)



(A-22X)

1	2	3
4		
5		

(A-27X)

1	2	3
4		
5		

(A-28)

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

(A-39)

1	2
3	4

(B-71)

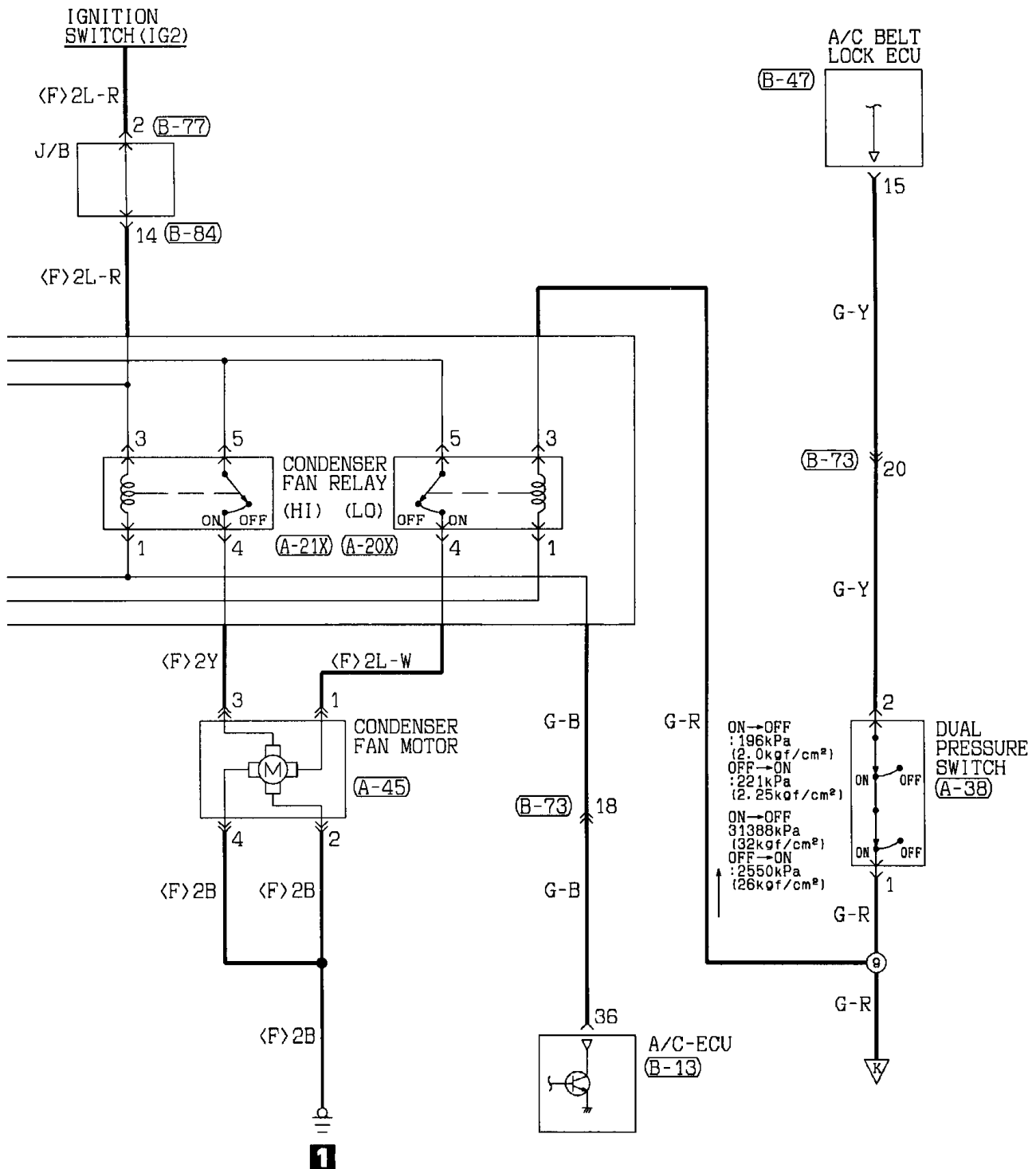
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-108) ▲

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

(B-108) ■

1	2	3	4	JAE	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



(A-20X) (A-21X) (A-38) (A-45) (B-13)

1	2	3
4		
5		

1	2	3
4		
5		

1	2
3	4

1	2
3	4

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

(B-47)

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

(B-73)

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

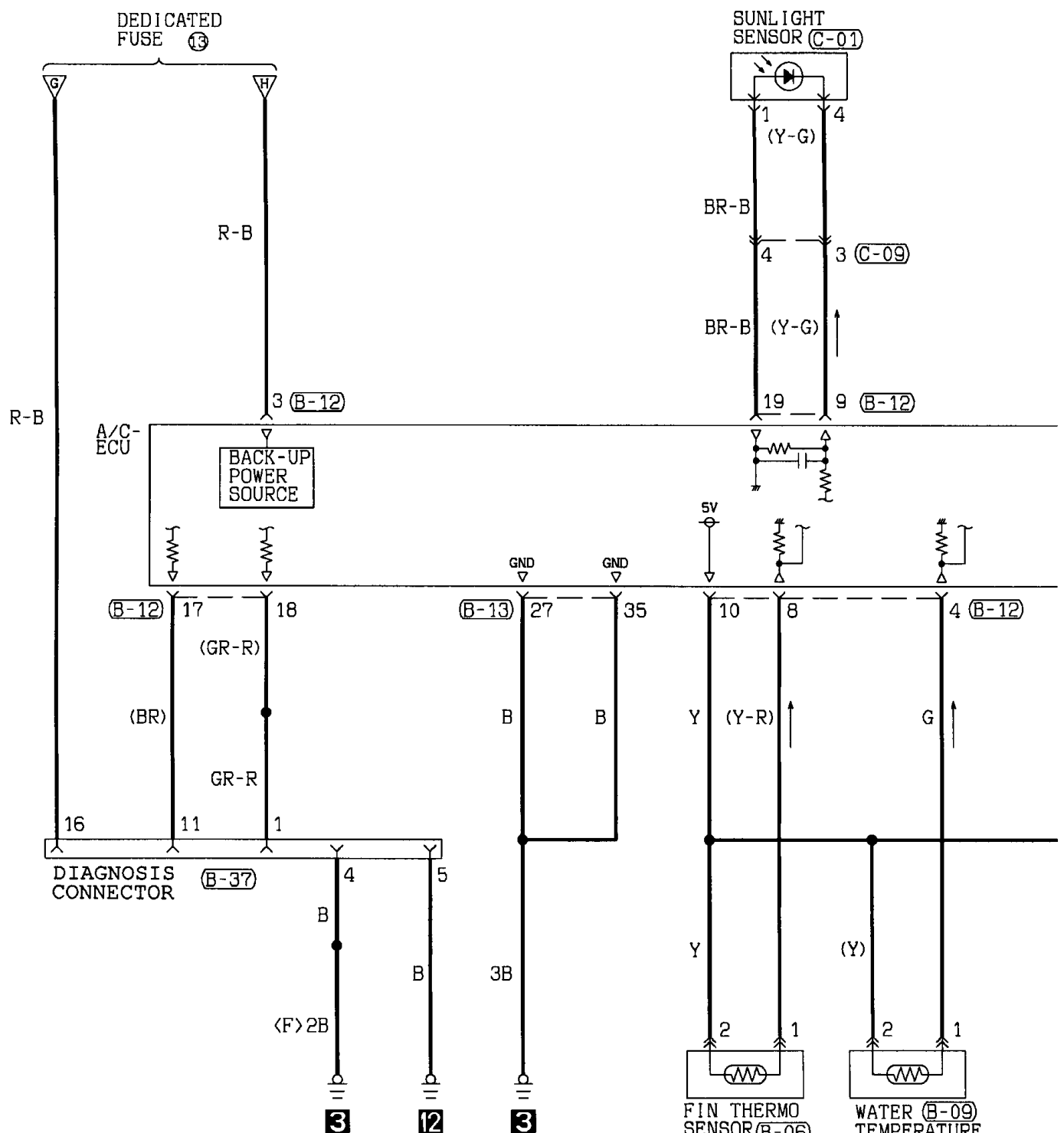
(B-77)

1	2
3	4
5	6

(B-84)

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

FULL AUTOMATIC AIR CONDITIONING (CONTINUED)



(B-06) (B-09) (B-12)

1
2

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

(B-13)

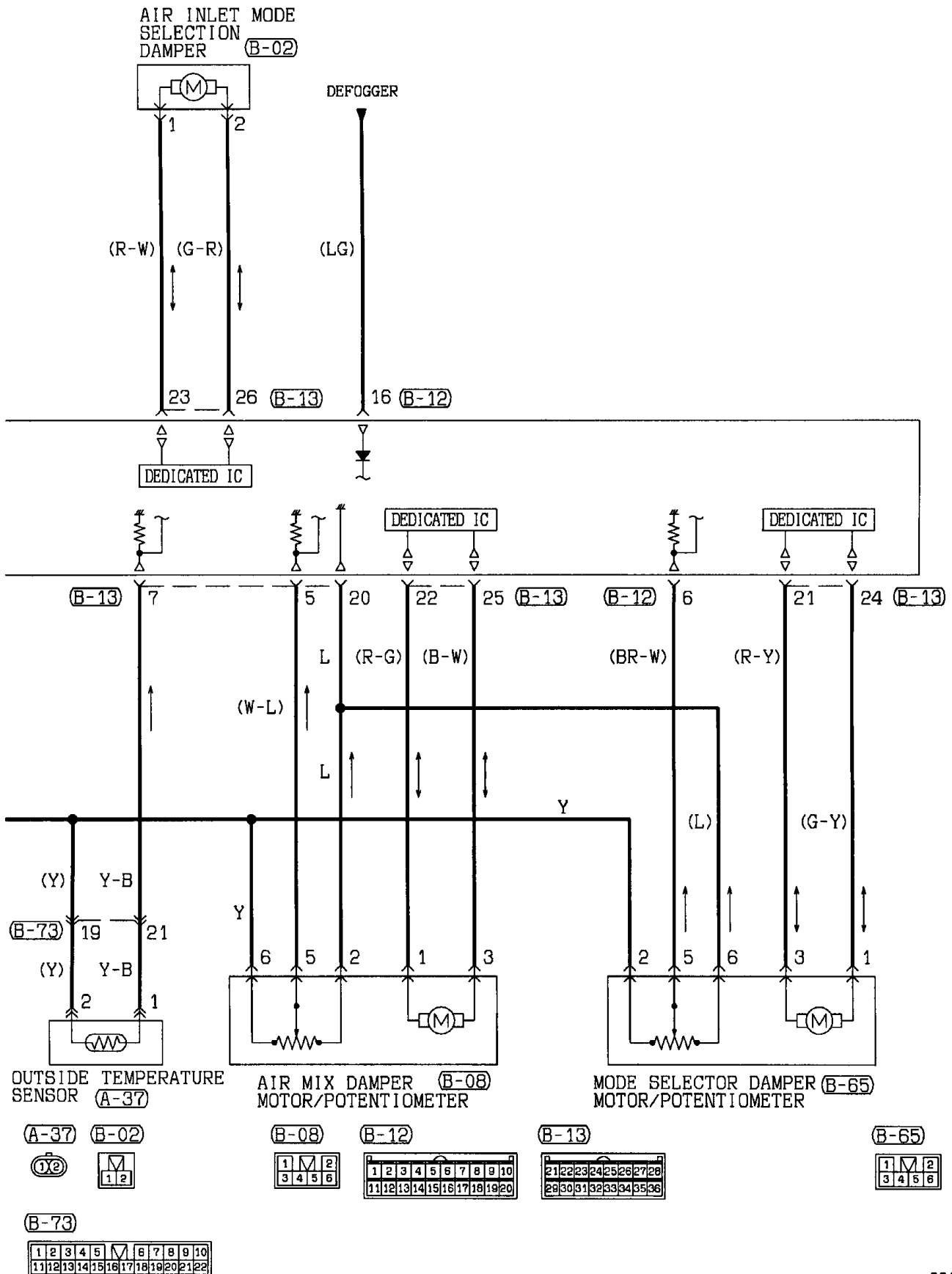
21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

(B-37)

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

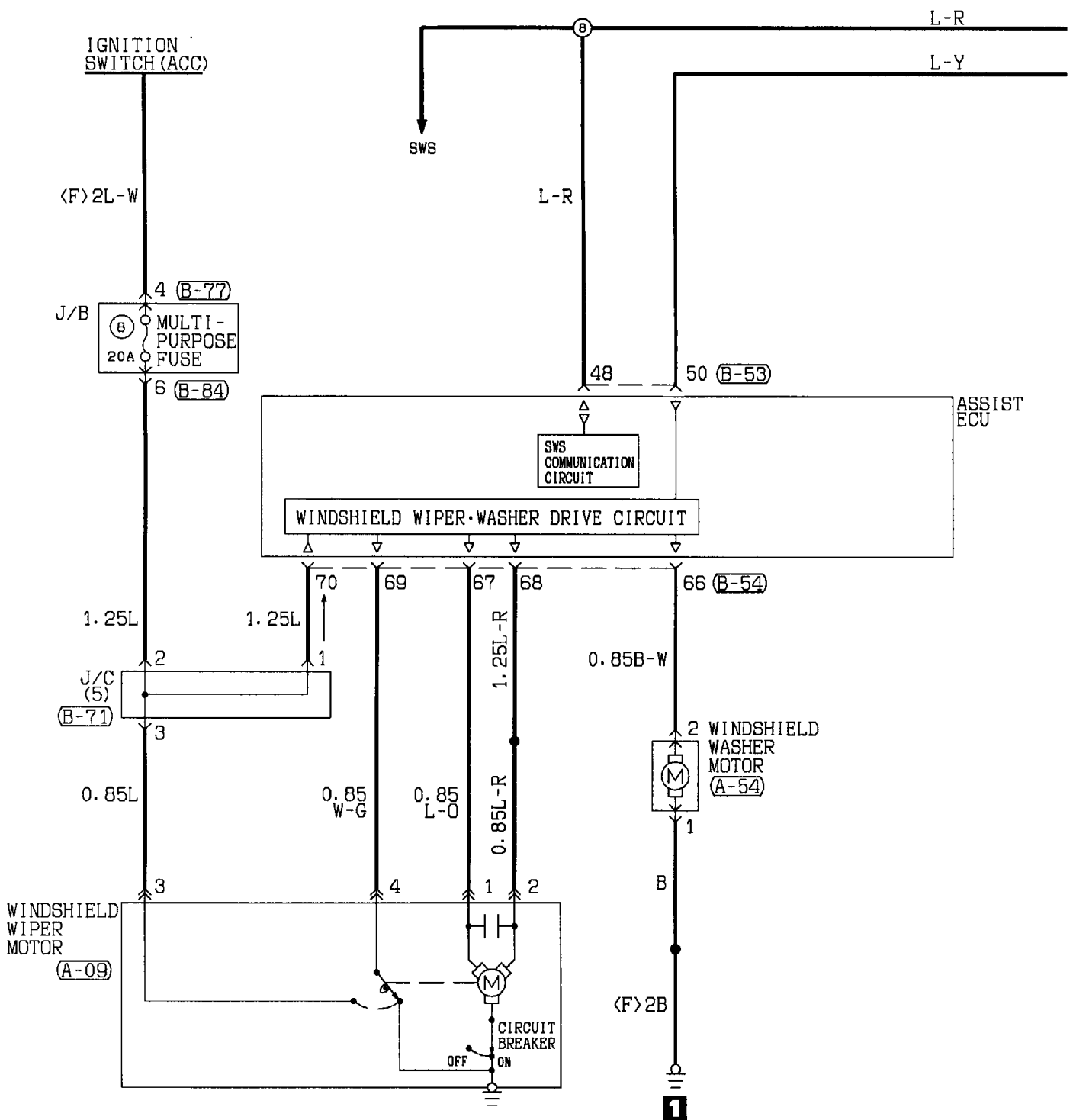
(C-09)

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



WINDSHIELD WIPER AND WASHER

L.H. drive vehicles



(A-09)



(A-54)



(B-53)

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

(B-54)

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

(B-71)

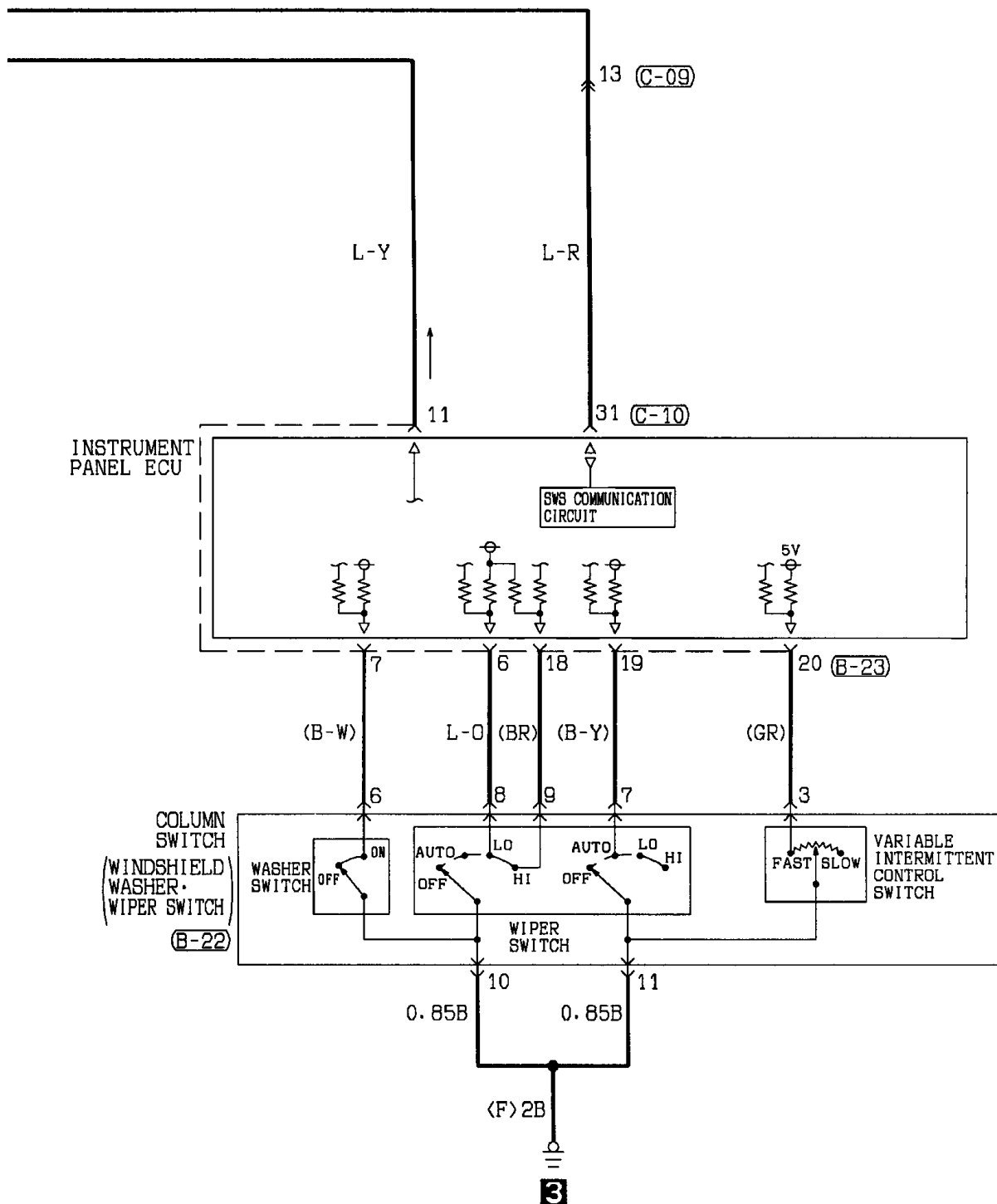
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

(B-77)

1	2	3	4	5	6	7	8
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(B-84)

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



(B-22)

1	2	3	4	5
6	7	8	9	10

(B-23)

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

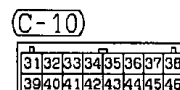
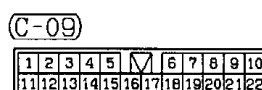
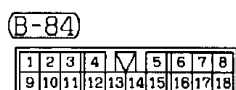
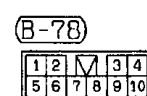
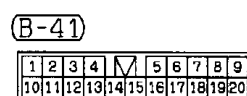
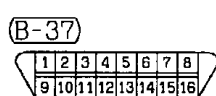
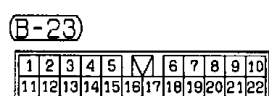
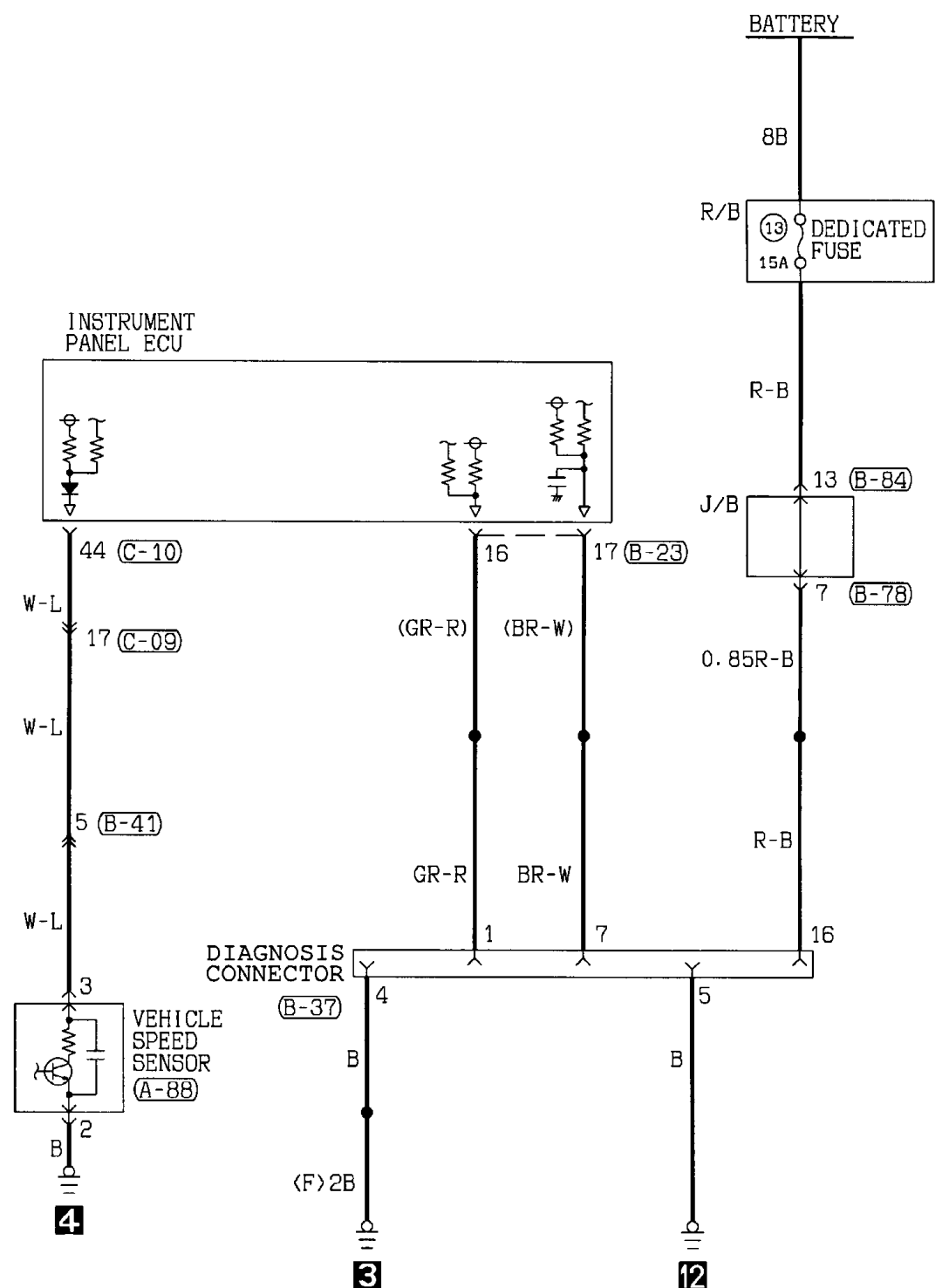
(C-09)

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

(C-10)

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

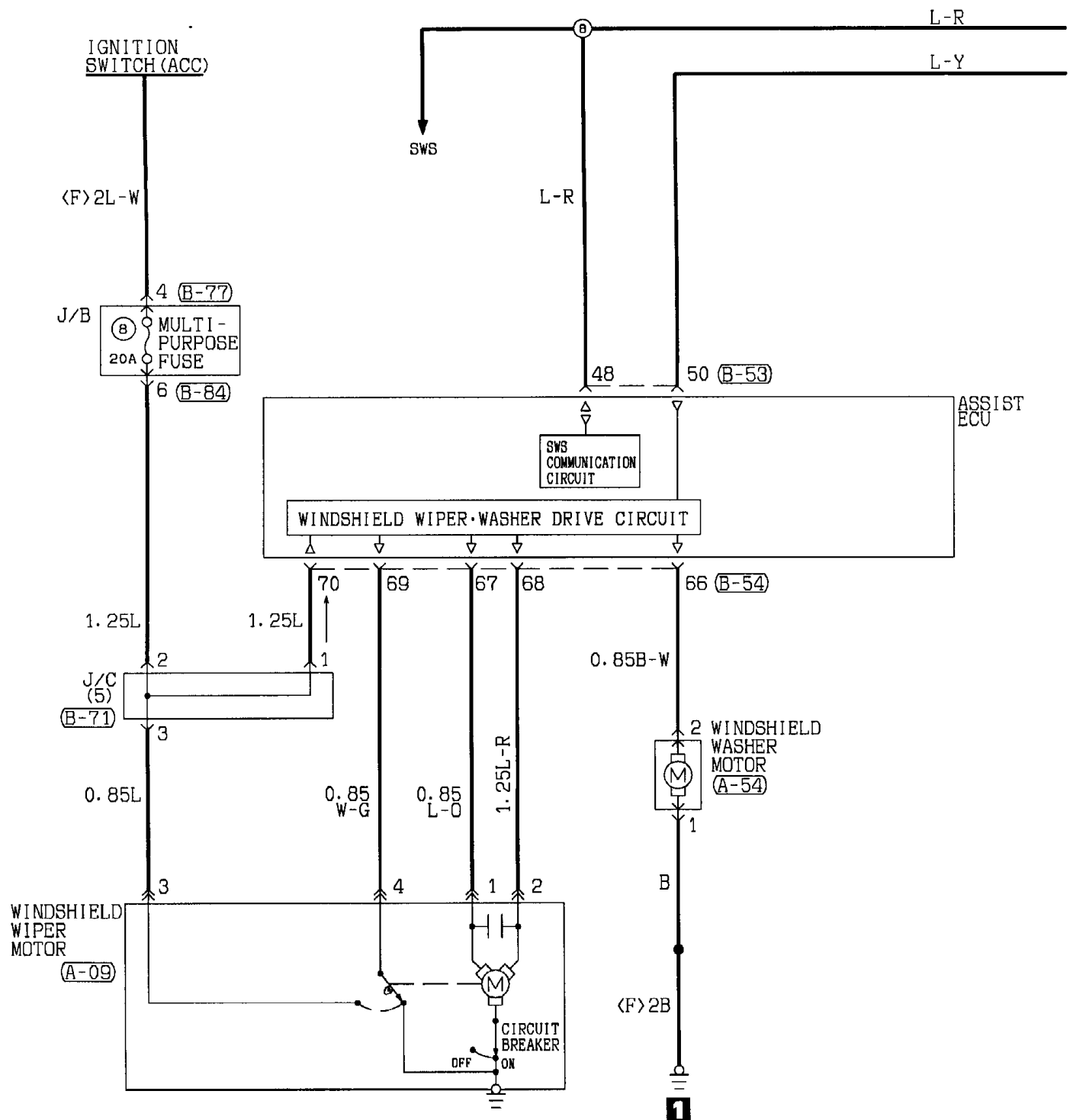
WINDSHIELD WIPER AND WASHER <L.H. drive vehicles> (CONTINUED)



NOTES

WINDSHIELD WIPER AND WASHER

R.H. drive vehicles



(A-09)



(A-54)



(B-53)

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

(B-54)

61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

(B-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

(B-77)

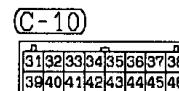
1	2	3	4	5	6	7	8
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(B-84)

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



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



WINDSHIELD WIPER AND WASHER (See P. 4-126, 130.)**OPERATION****<Low-speed and high-speed wiper operation>**

- When the ignition switch is in the ACC or ON position and the wiper switch is turned to the LO or HI position a switch "on" signal is sent to the instrument panel ECU which sends a signal to the assist-ECU via the SWS communication line.
In response to this signal, the assist-ECU operates the wipers at a low speed or high speed according to the signal received.

<Auto wiper stop operation>

- When the wiper switch is turned to OFF, the cam contacts in wiper motor allow current to flow through the auto wiper stop circuit, allowing the wipers to operate to the stop position.

<Intermittent wiper operation>

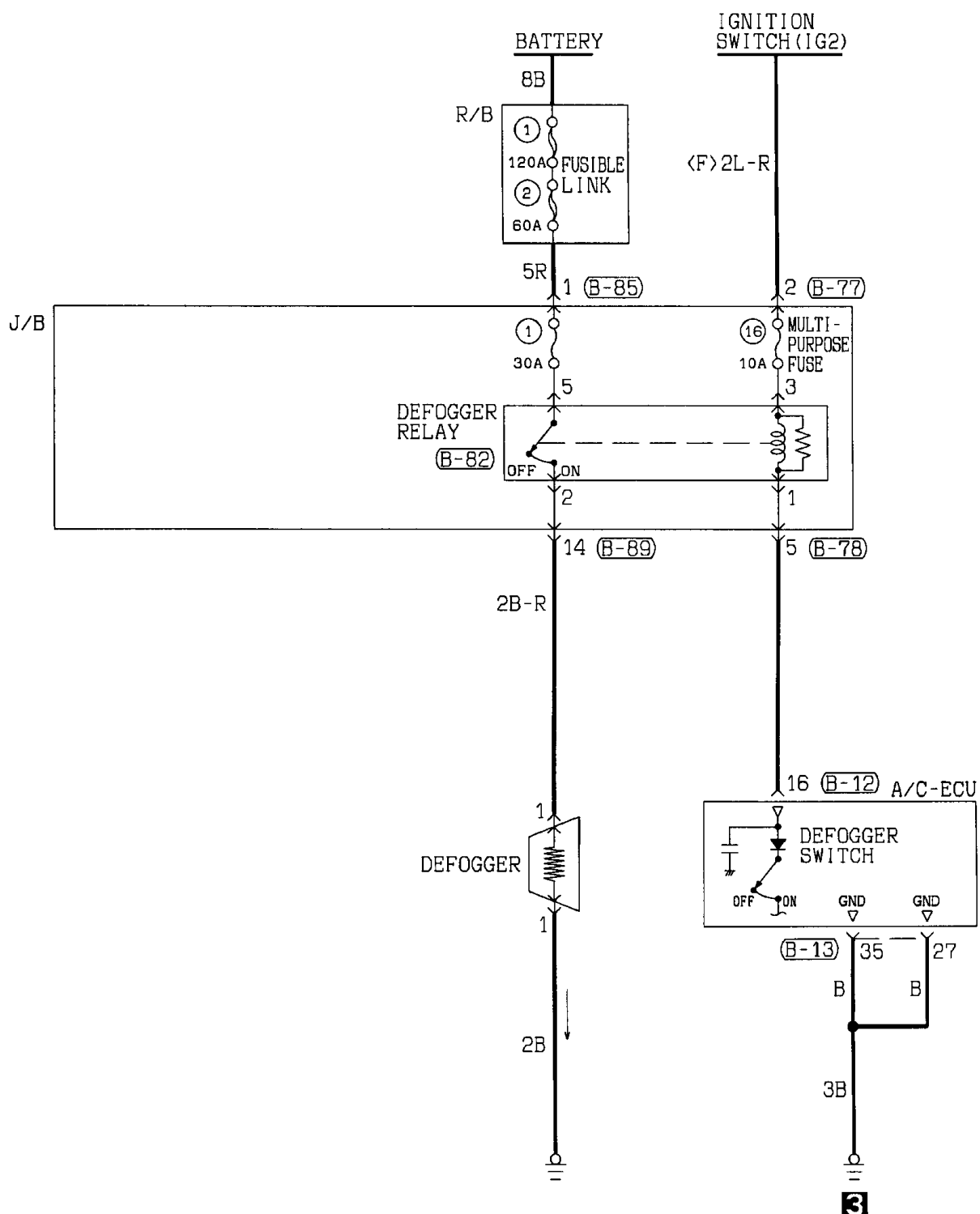
- When the ignition switch is in the ON or ACC position, and the wiper switch is turned to the Auto position, a switch "on" signal is sent to the instrument panel ECU. The instrument panel ECU determines wiper sweep cycle timing according to the position of the variable intermittent control switch and vehicle speed and sends a signal to the Assist-ECU via the SWS communication line.
The assist-ECU operates the wipers according to the signal received.

<Washer-wiper operation>

- When the washer switch is operated with the ignition switch in the ACC or ON position, a signal is sent to the instrument panel ECU which signals the assist-ECU to operate the washer motor.

NOTES

DEFOGGER



(B-12)

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

(B-13)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

(B-77)

1	2
3	4
5	6

(B-78)

1	2	3	4
5	6	7	8
9	10		

(B-82)

1	2	3
4	5	

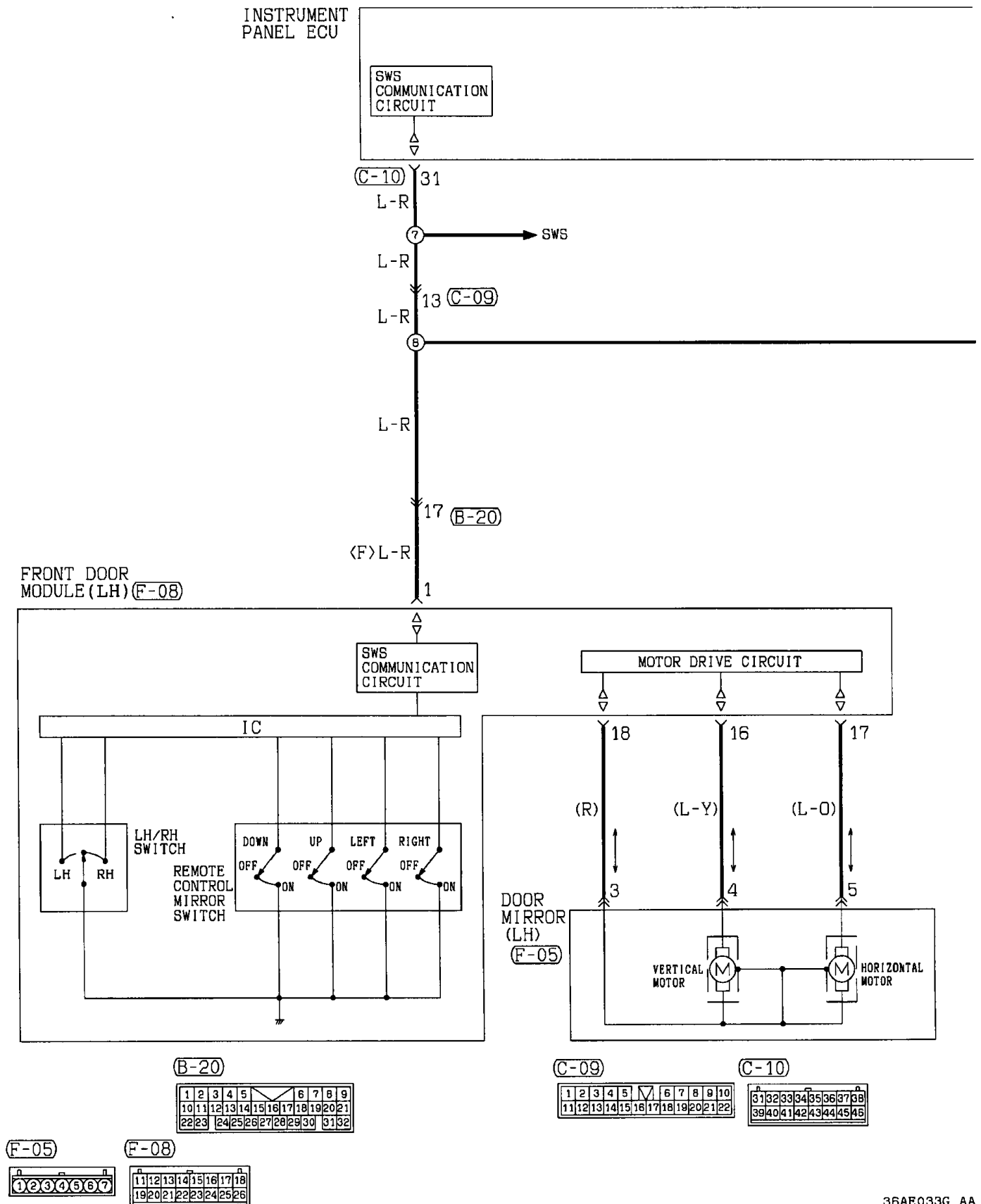
(B-85)

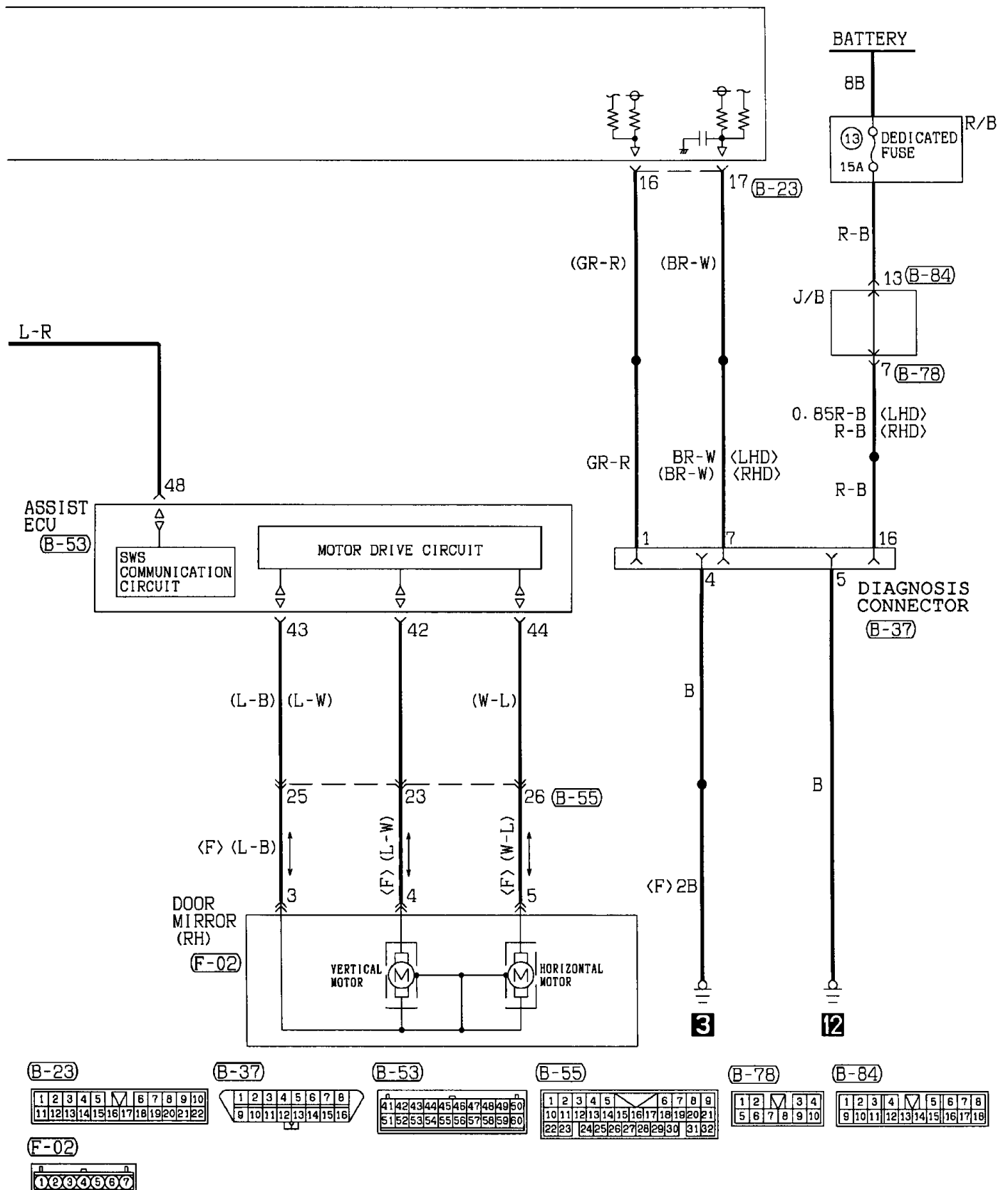
1

(B-89)

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

REMOTE CONTROL MIRROR





BATTERY

DEDICATED FUSE 10

TAILLAMP RELAY

DEDICATED FUSE 13

MULTI-PURPOSE FUSE 6

CLOCK SETTING SWITCH (C-12)

DOOR LAMP

CENTRE WARNING DISPLAY (C-02)

RHEOSTAT

WIRE COLORS AND TERMINALS:

- BATTERY:** 8B
- TAILLAMP RELAY:** 1 (10A), 13 (15A)
- MULTI-PURPOSE FUSE:** 6 (10A)
- CLOCK SETTING SWITCH (C-12):** 1 (SET), 2 (M), 3 (H), 4 (OFF/ON)
- DOOR LAMP:** 4B
- CENTRE WARNING DISPLAY (C-02):** 3
- RHEOSTAT:** 3

WIRE COLORS AND TERMINALS:

- BATTERY:** 8B
- TAILLAMP RELAY:** 1 (10A), 13 (15A)
- MULTI-PURPOSE FUSE:** 6 (10A)
- CLOCK SETTING SWITCH (C-12):** 1 (SET), 2 (M), 3 (H), 4 (OFF/ON)
- DOOR LAMP:** 4B
- CENTRE WARNING DISPLAY (C-02):** 3
- RHEOSTAT:** 3

B-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

(C-12)

1	2	3	4
5	6	7	8

B-80

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

B-84

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

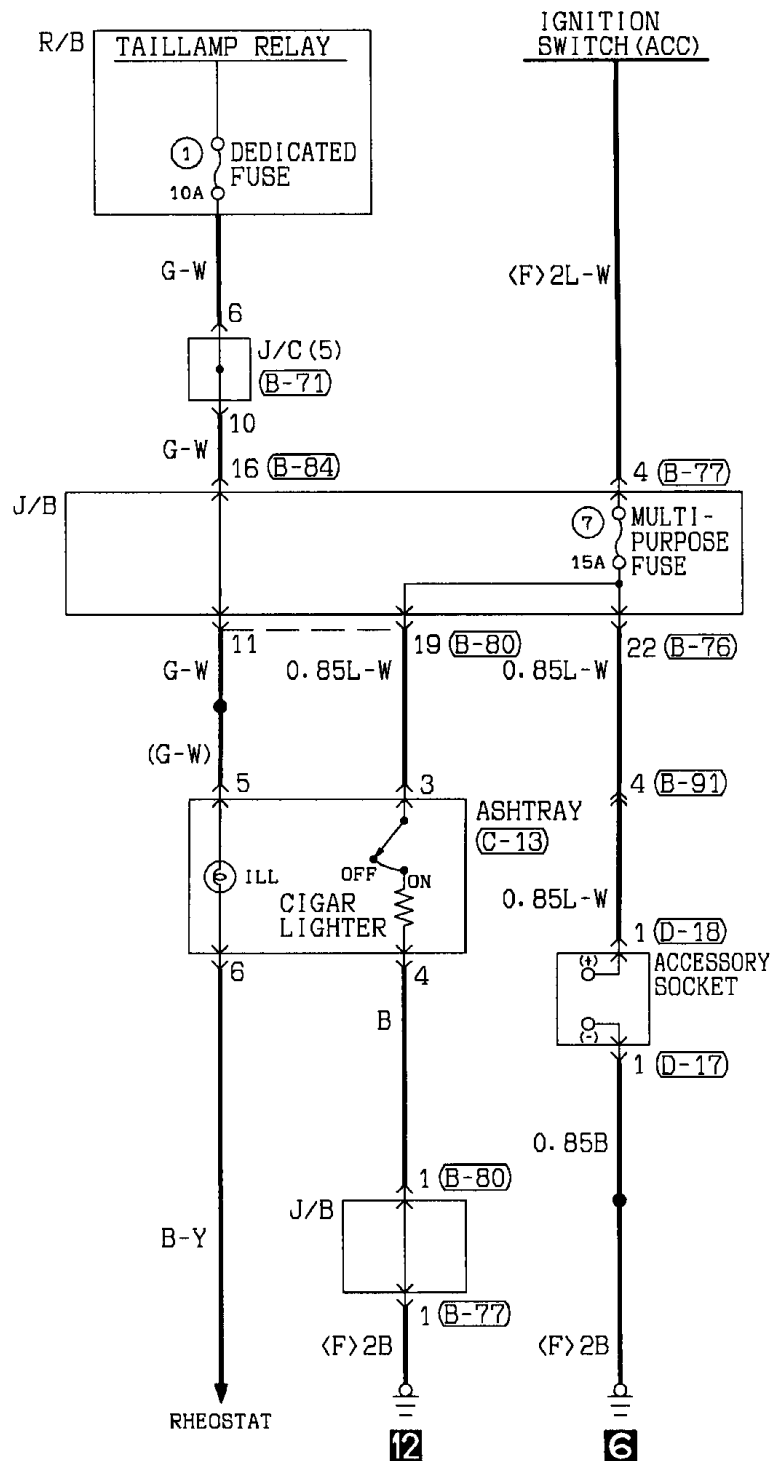
C-02

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

C-09

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

CIGARETTE LIGHTER, ASHTRAY AND ACCESSORY SOCKET



B-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

B-76

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

B-77

1	2	3	4	5	6
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B-80

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

B-84

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

B-89

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

B-91

1	2	3	4	5	6
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C-13

1	2	3	4	5	6
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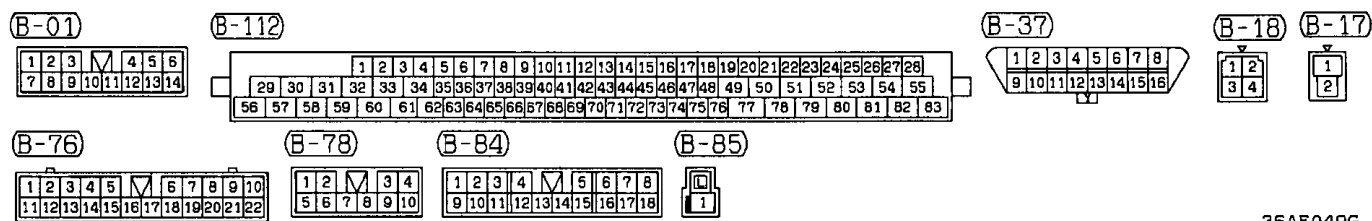
D-17

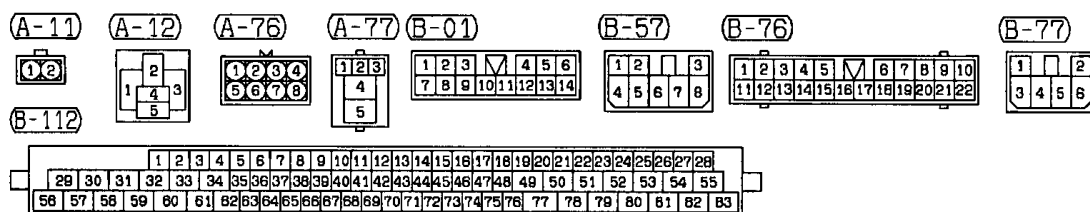
1	2	3	4	5	6
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D-18

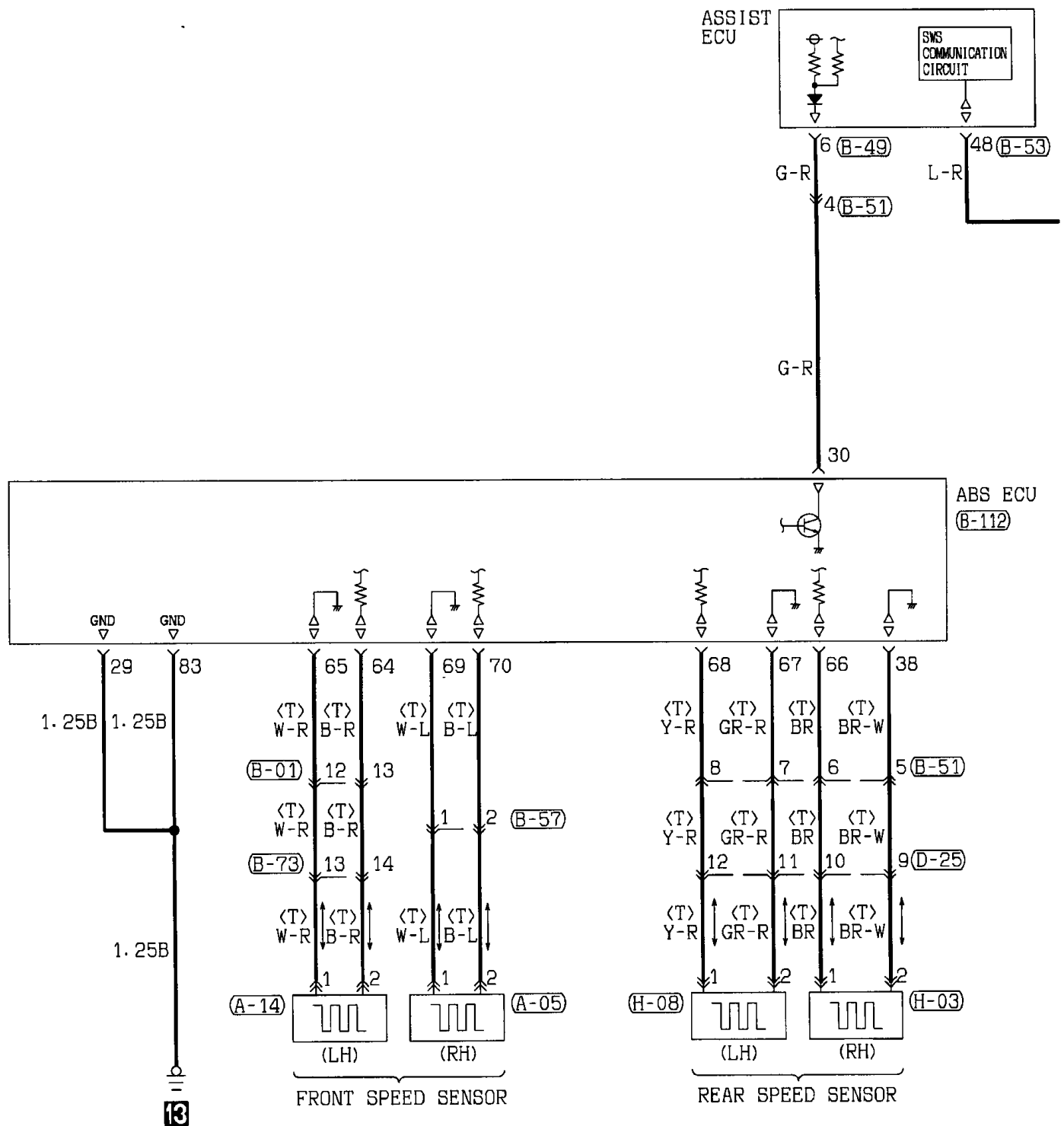
1	2	3	4	5	6
---	---	---	---	---	---

L.H. drive vehicles





ANTI-SKID BRAKING SYSTEM (ABS) <L.H. drive vehicles> (CONTINUED)



(B-01)

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

(B-49)

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

(D-25)

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

(B-112)

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(A-05)

1	2
---	---

(A-14)

1	2
---	---

(H-03)

1	2
---	---

(H-08)

1	2
---	---

(B-51)

1	2	3
4	5	6

(B-53)

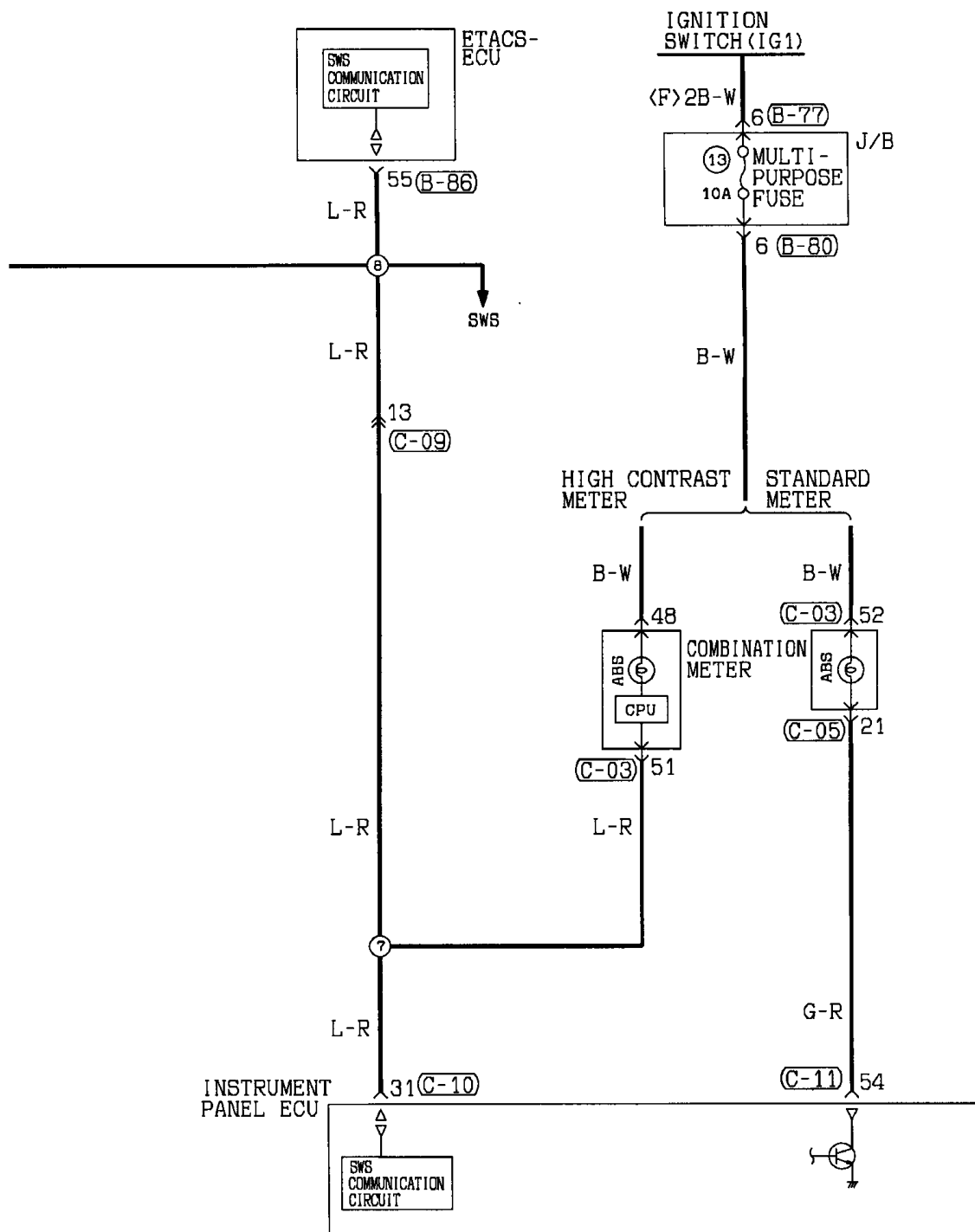
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

(B-57)

1	2	3
4	5	6

(B-73)

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



(B-77)

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

(B-80)

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

(B-86)

51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

(C-05)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

(C-09)

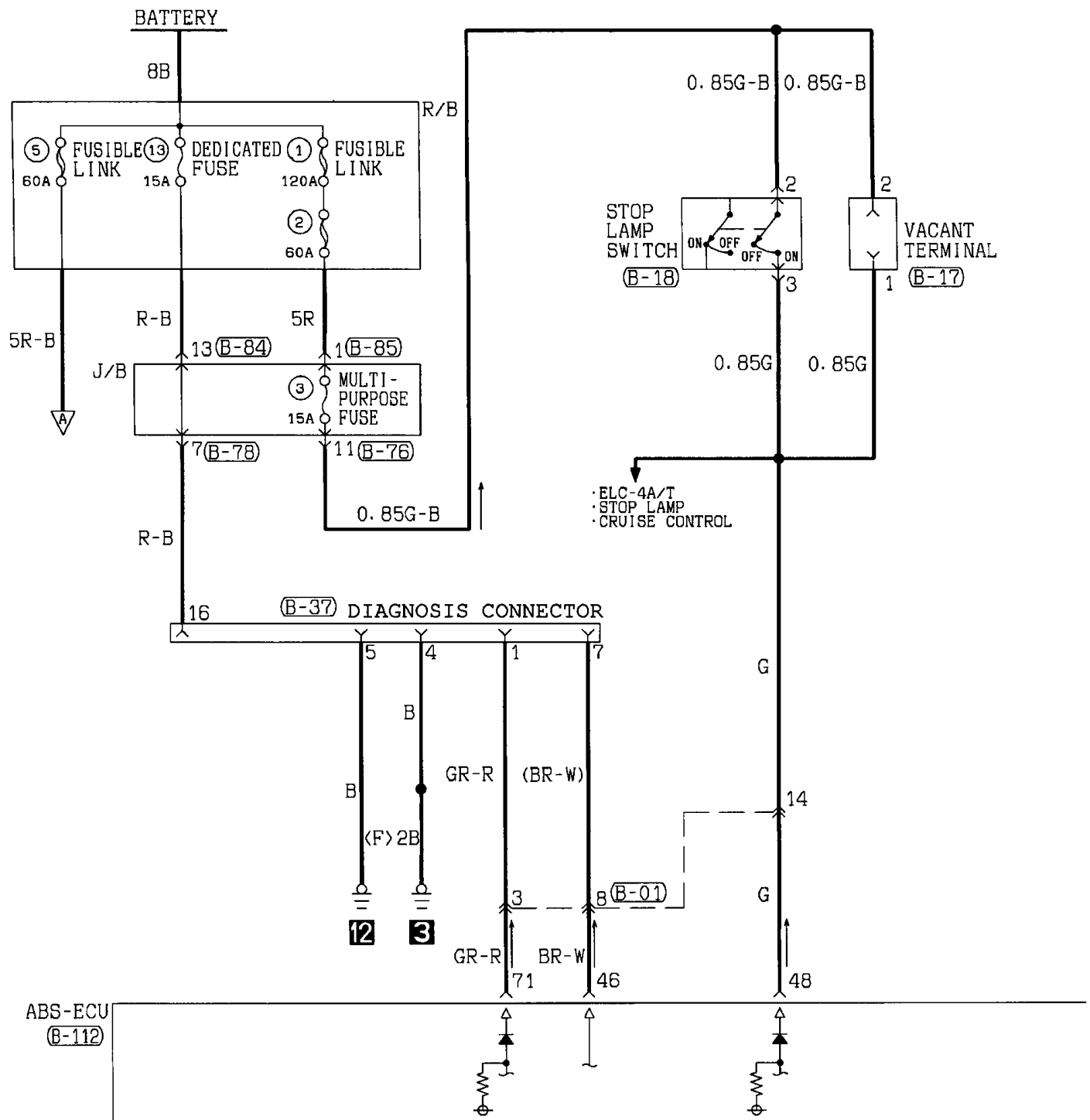
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

(C-10)

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

(C-11)

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

ANTI-SKID BRAKING SYSTEM (ABS)**R.H. drive vehicles**

(B-01)

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

(B-112)

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(B-37)

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

(B-18)

1	2
3	4

(B-17)

1
2

(B-76)

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

(B-78)

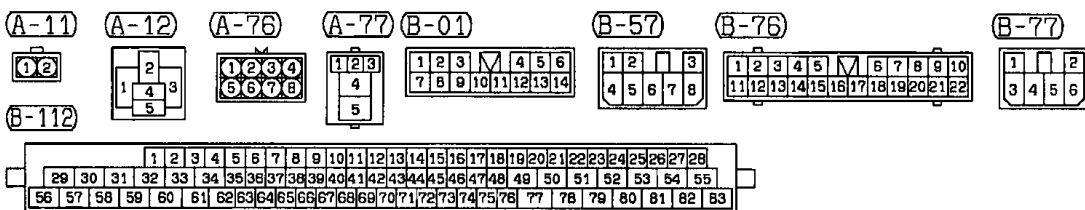
1	2		3	4	
5	6	7	8	9	10

(B-84)

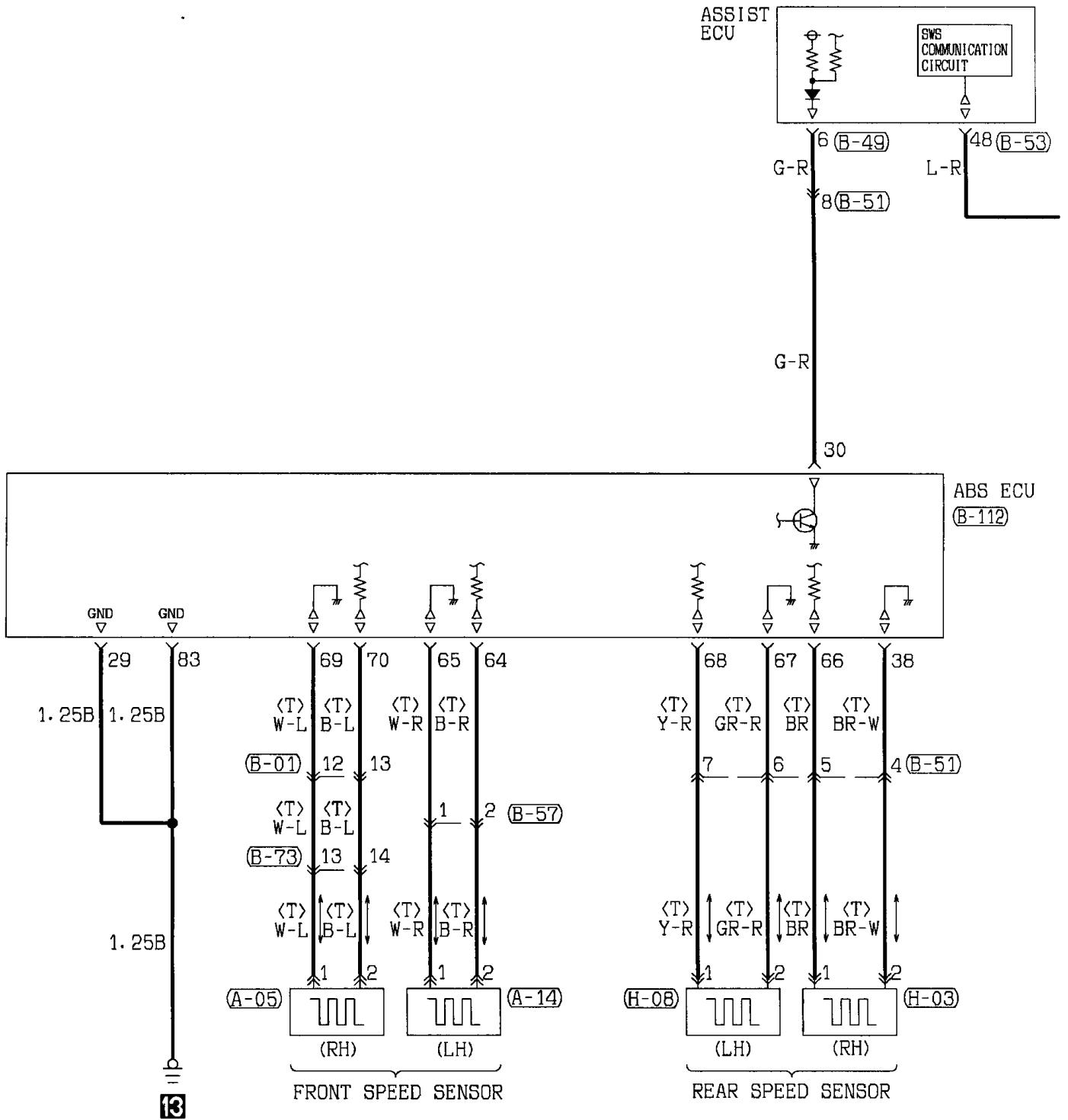
1	2	3	4	☒	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(B-85)

1



ANTI-SKID BRAKING SYSTEM (ABS) <R.H. drive vehicles> (CONTINUED)



(B-01)

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

(B-49)

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

(B-51)

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

(B-112)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	
56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83

(A-05)

1	2
---	---

(A-14)

1	2
---	---

(H-03)

1	2
---	---

(H-08)

1	2
---	---

(B-53)

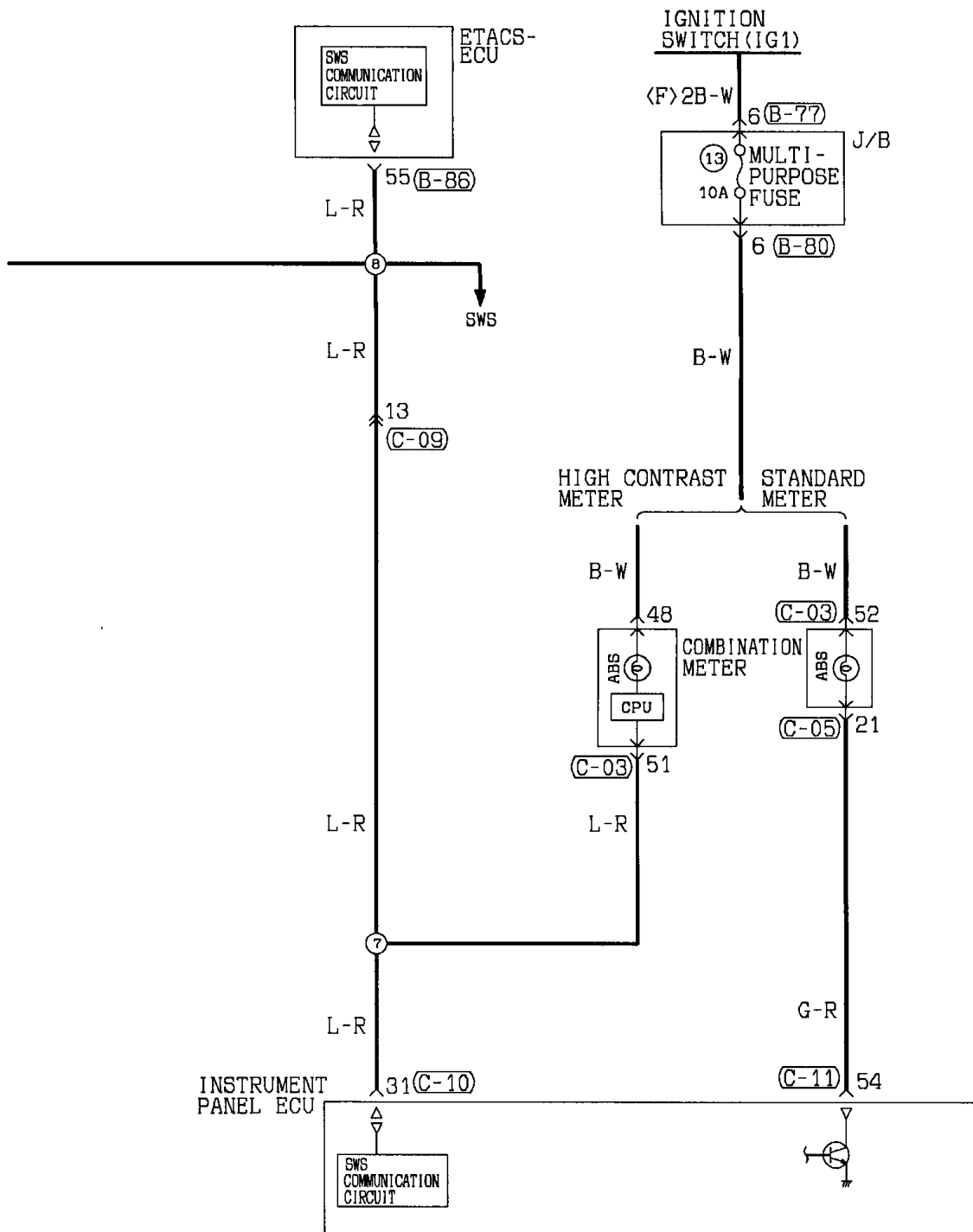
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

(B-57)

1	2	3
4	5	6
7	8	

(B-73)

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



(B-77)

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

(B-80)

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

(B-86)

51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

(C-05)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

(C-09)

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

(C-10)

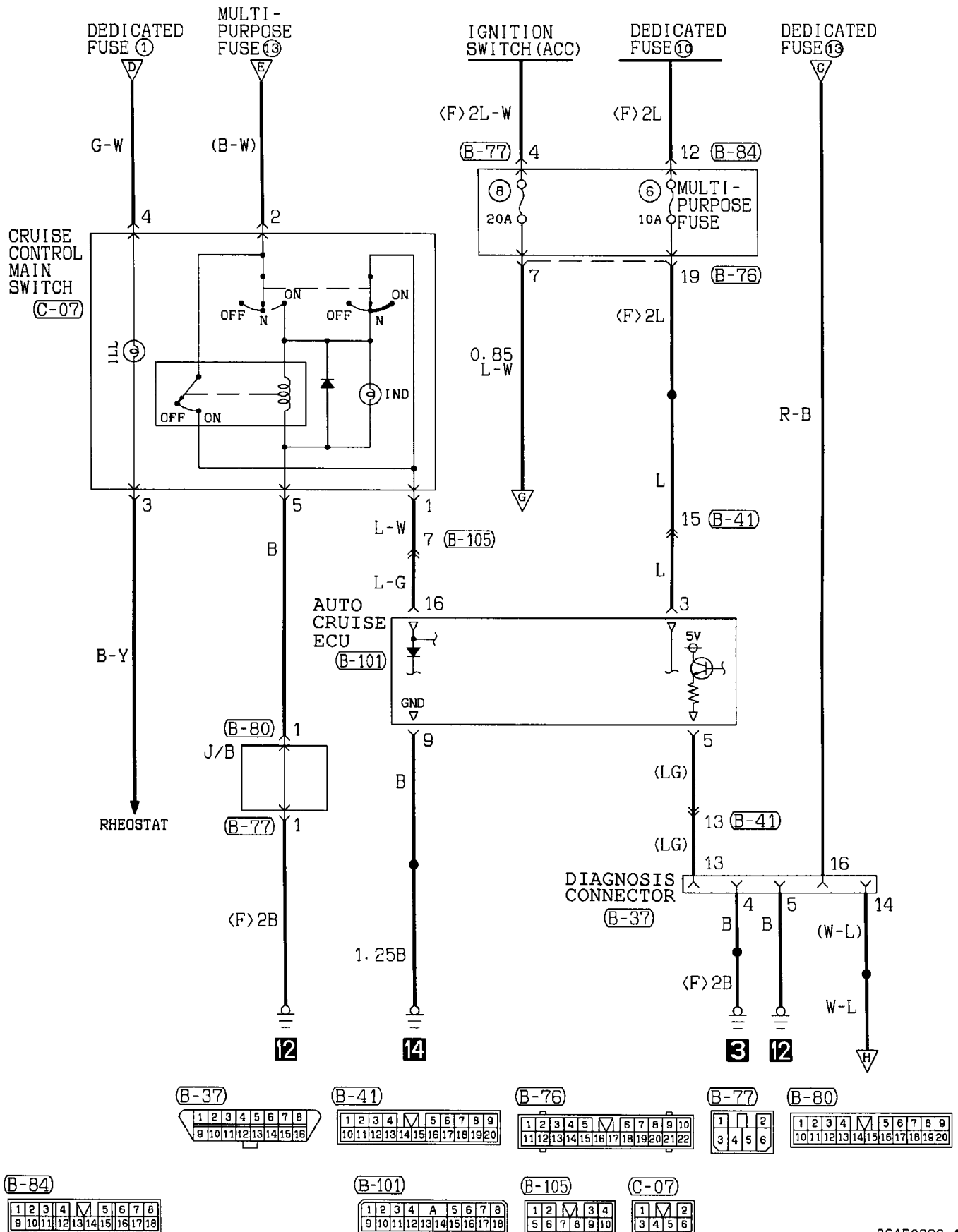
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(C-11)

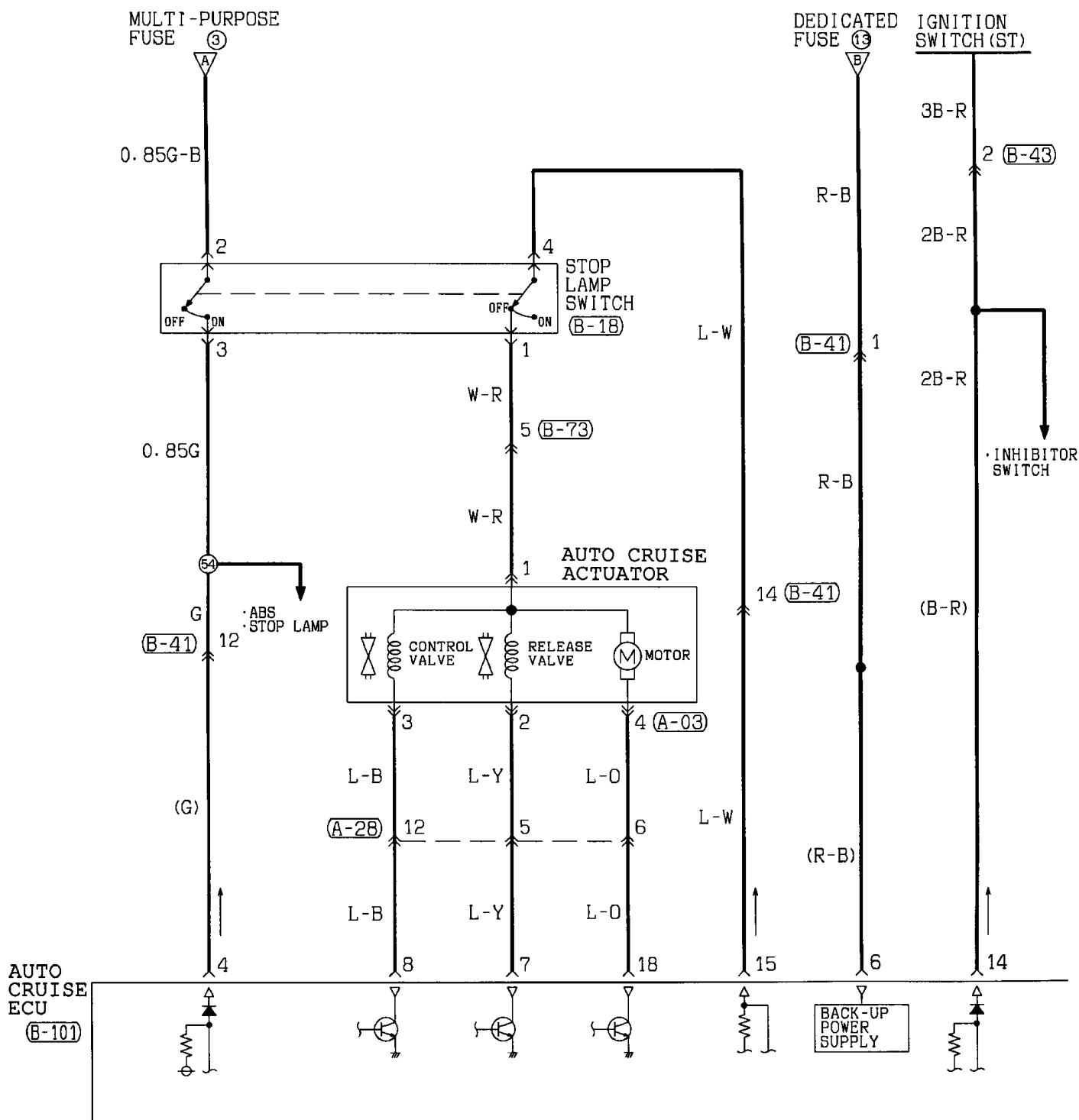
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

The diagram illustrates the rear section of a vehicle's wiring system. It shows the following components and connections:

- BATTERY**: Connected to the main power line (8B).
- IGNITION SWITCH (IG2)**: Connected to the main power line (2B-W).
- TAILLAMP RELAY**: Contains a **DEDICATED FUSE** (10A) and a **FUSIBLE LINK** (120A/60A).
- FUSES**: Includes a **MULTI-PURPOSE FUSE** (10A) and a **DEDICATED FUSE** (10A).
- Wires and Terminals**:
 - 8B**: Main power line from the battery.
 - 5R**: Wire from the battery to the rear window (A).
 - R-B**: Wire from the battery to the rear window (B).
 - G-W**: Ground wire.
 - B-W**: Wire from the ignition switch to the rear window (E).
- Legend**:
 - B-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
 - B-76**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
 - B-77**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
 - B-78**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
 - B-80**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 - B-84**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
 - B-85**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18



CRUISE CONTROL (CONTINUED)



(A-03)

1	2
3	4

(A-28)

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

(B-101)

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

(B-18)

1	2
3	4

(B-41)

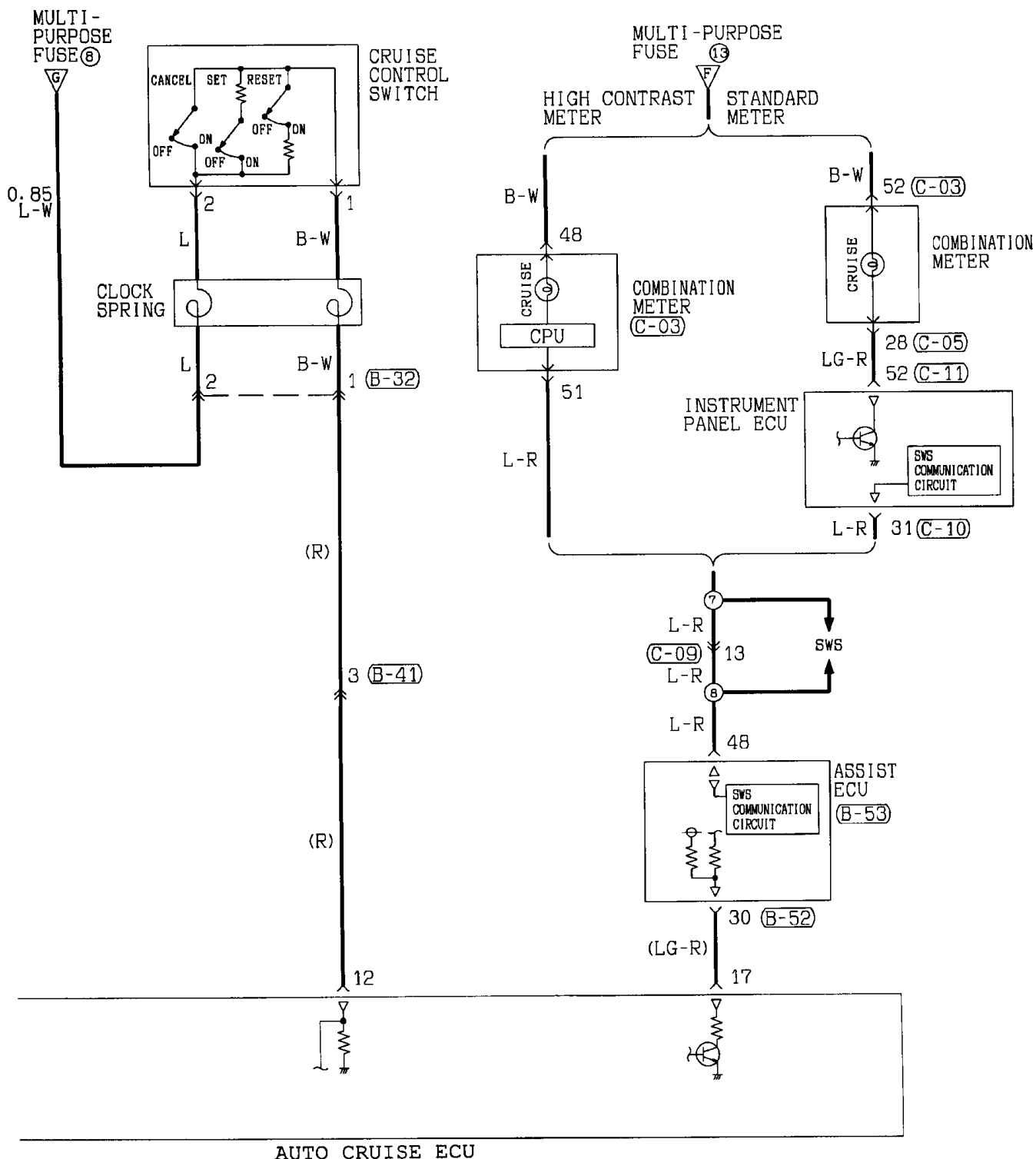
1	2	3	4	5	6	7	8	9		
10	11	12	13	14	15	16	17	18	19	20

(B-43)

1		2	
3	4	5	6

(B-73)

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



AUTO CRUISE ECU

(C-09)

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

(B-32)

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

(B-41)

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

(B-53)

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60

(C-05)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44

(C-03)

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56

(B-52)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	36

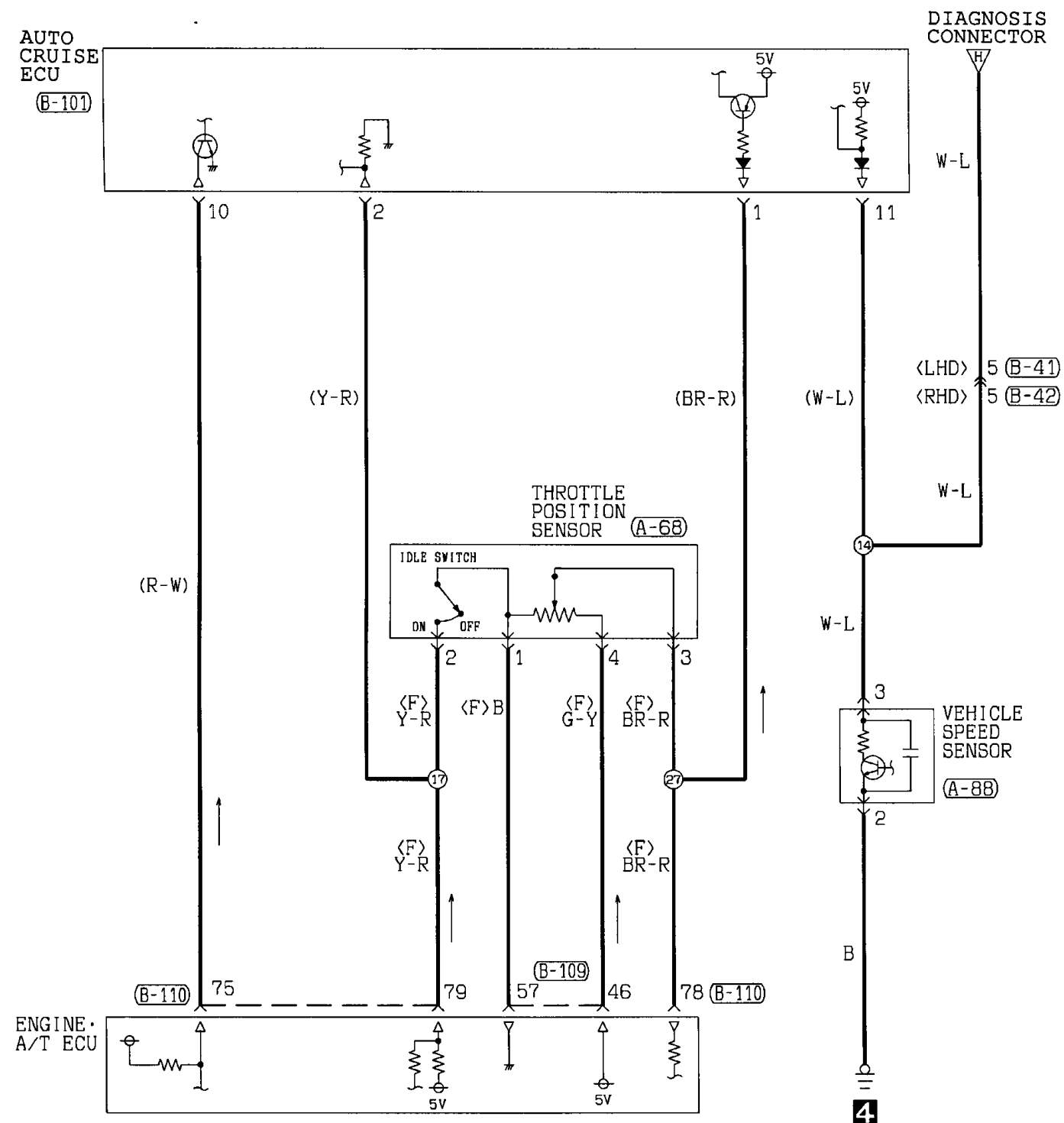
(C-10)

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

(C-11)

51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66
67	68	69	70	71	72	73	74

CRUISE CONTROL (CONTINUED)



(A-68)

1 2 3 4

(B-101)

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

(B-109)

41 42 43 JAE 44 45 46
47 48 49 50 51 52 53 14 55 56 57
58 59 60 61 62 63 64 65 66

(B-110)

71 72 73 74 JAE 75 76 77
78 79 80 81 82 83 84 85 86 87 88 89
90 91 92 93 94 95 96 97 98

(B-41)

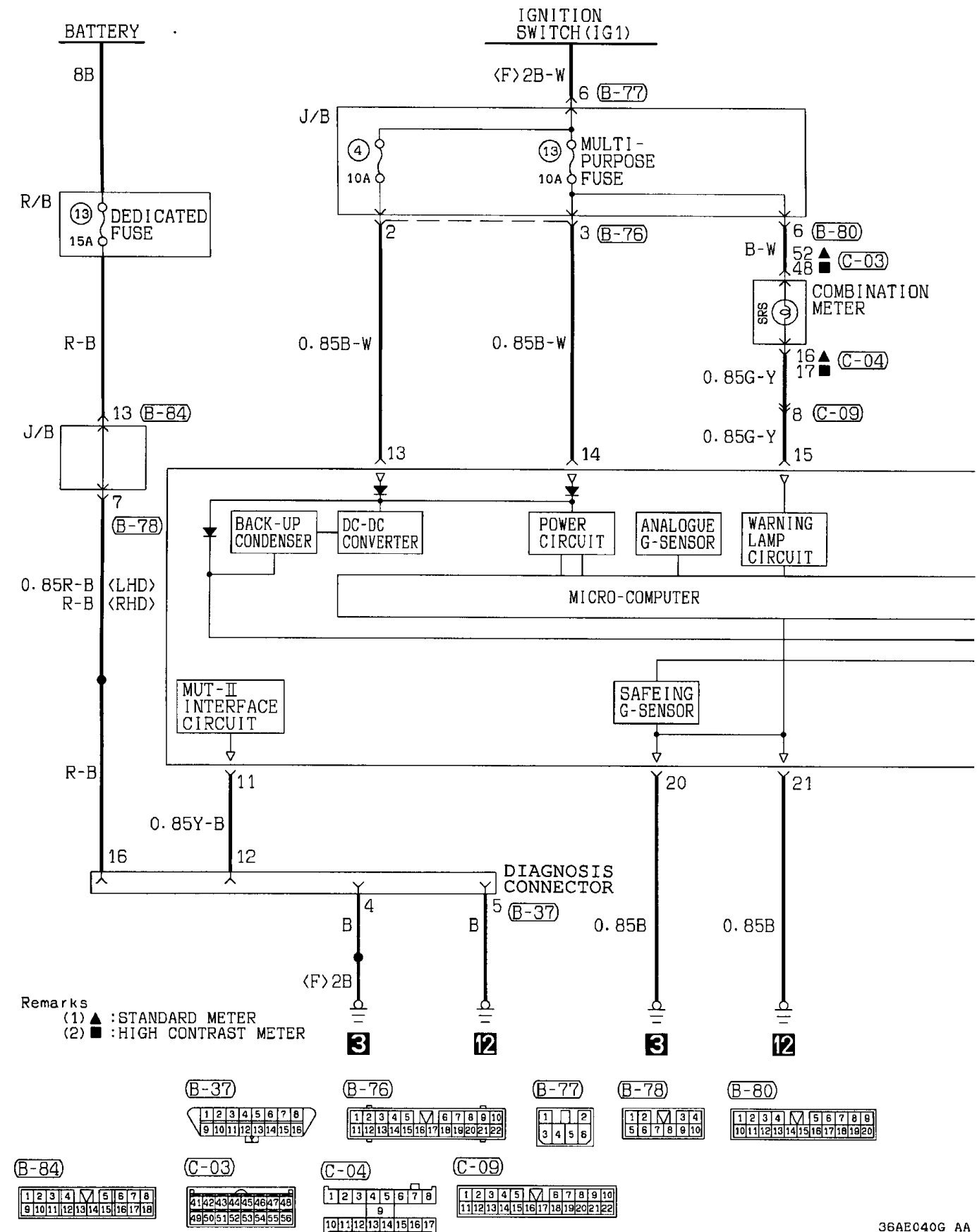
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18 19 20

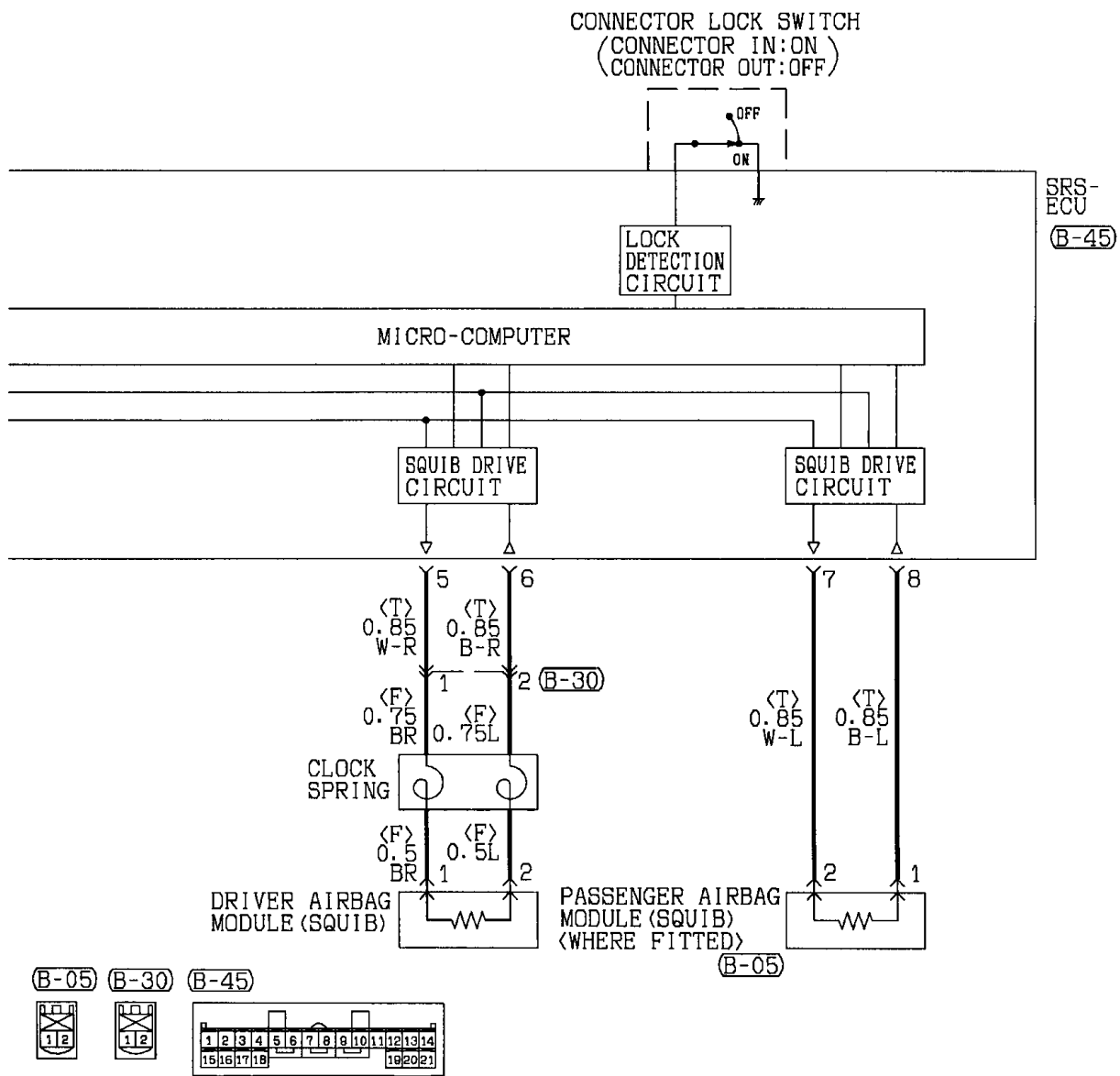
(B-42)

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

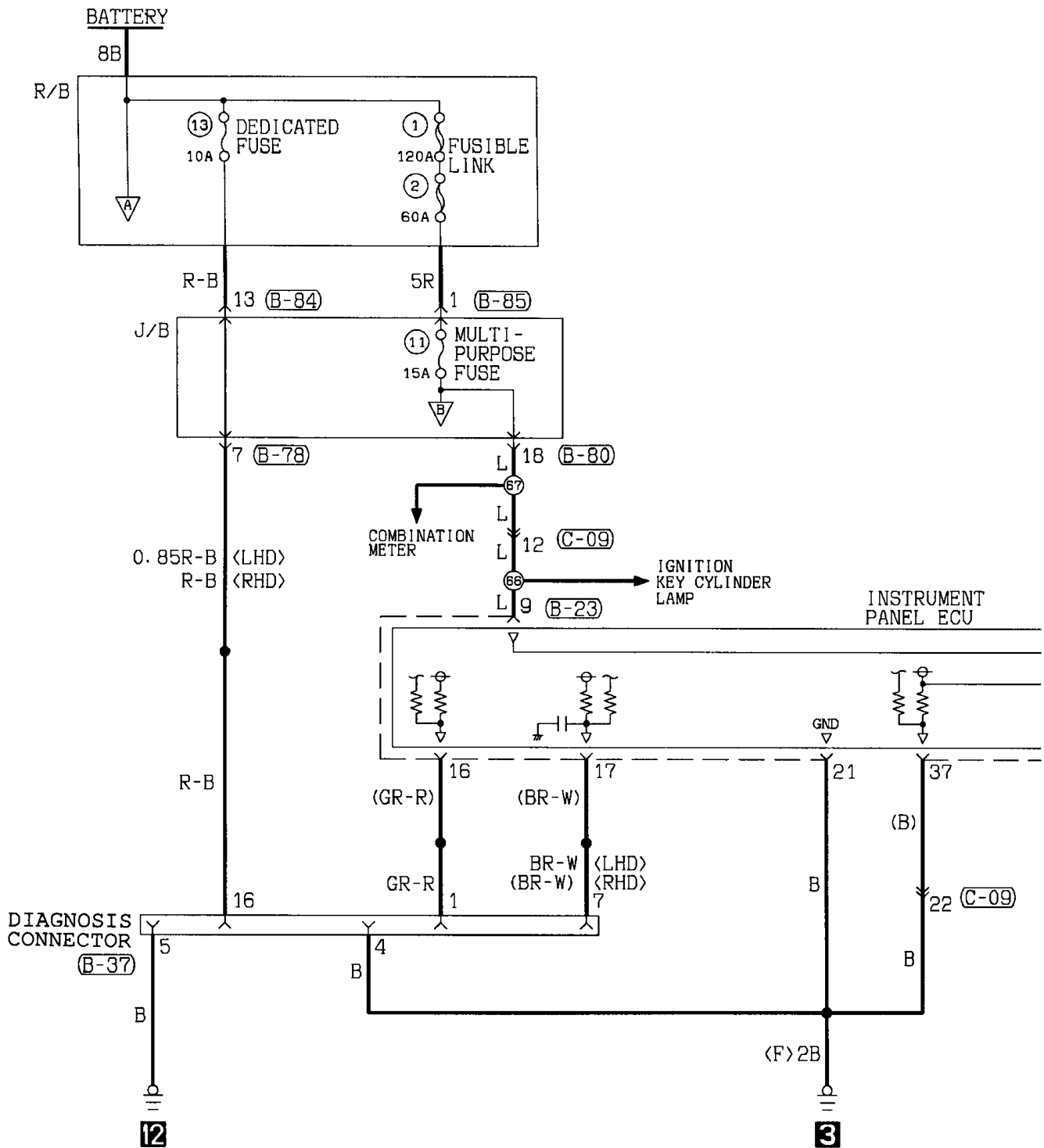
NOTES

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)





SIMPLIFIED WIRING SYSTEM



B-23

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

B-37

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

B-78

1	2	3	4
5	6	7	8
9	10		

B-80

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

B-84

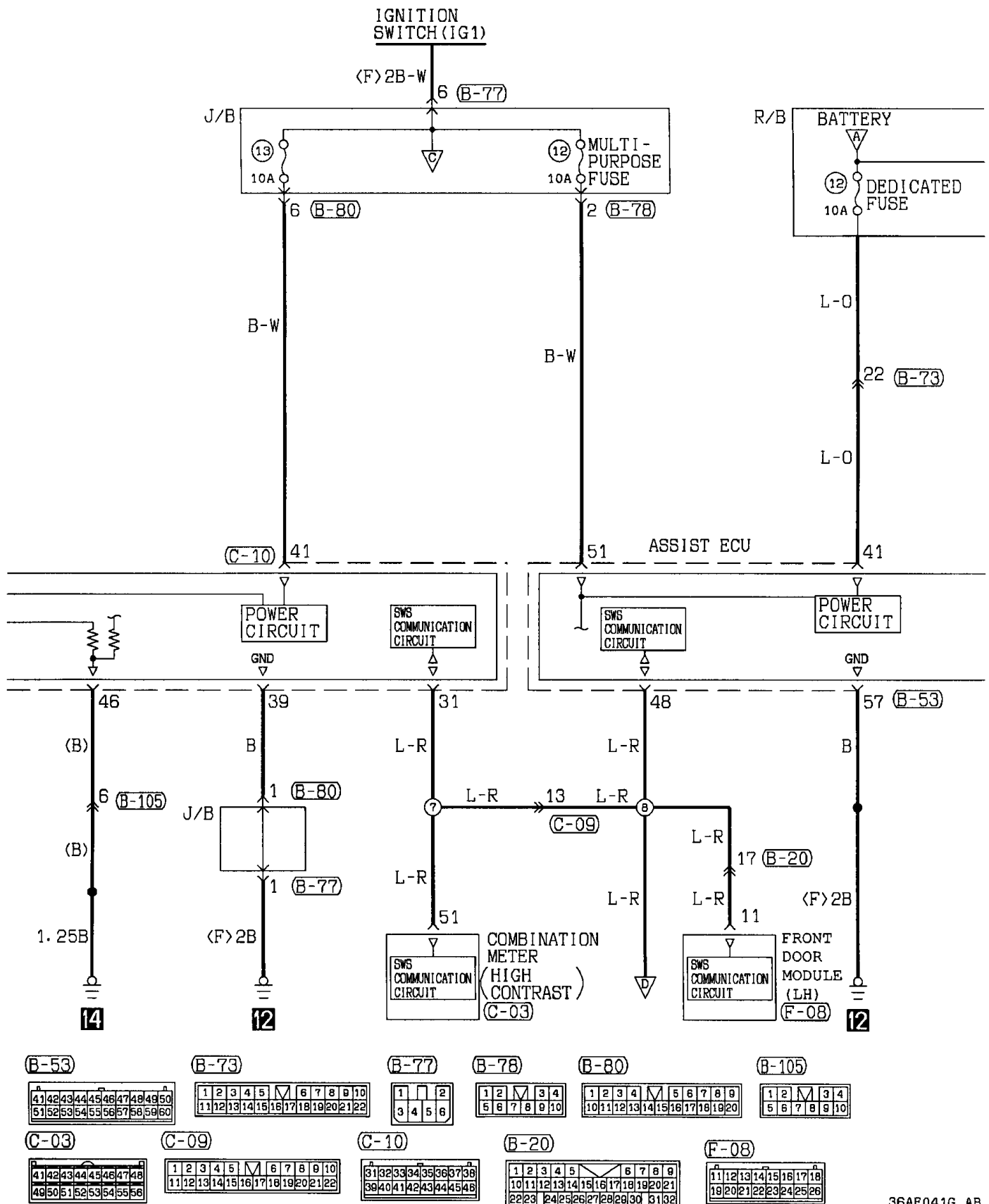
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18						

B-85

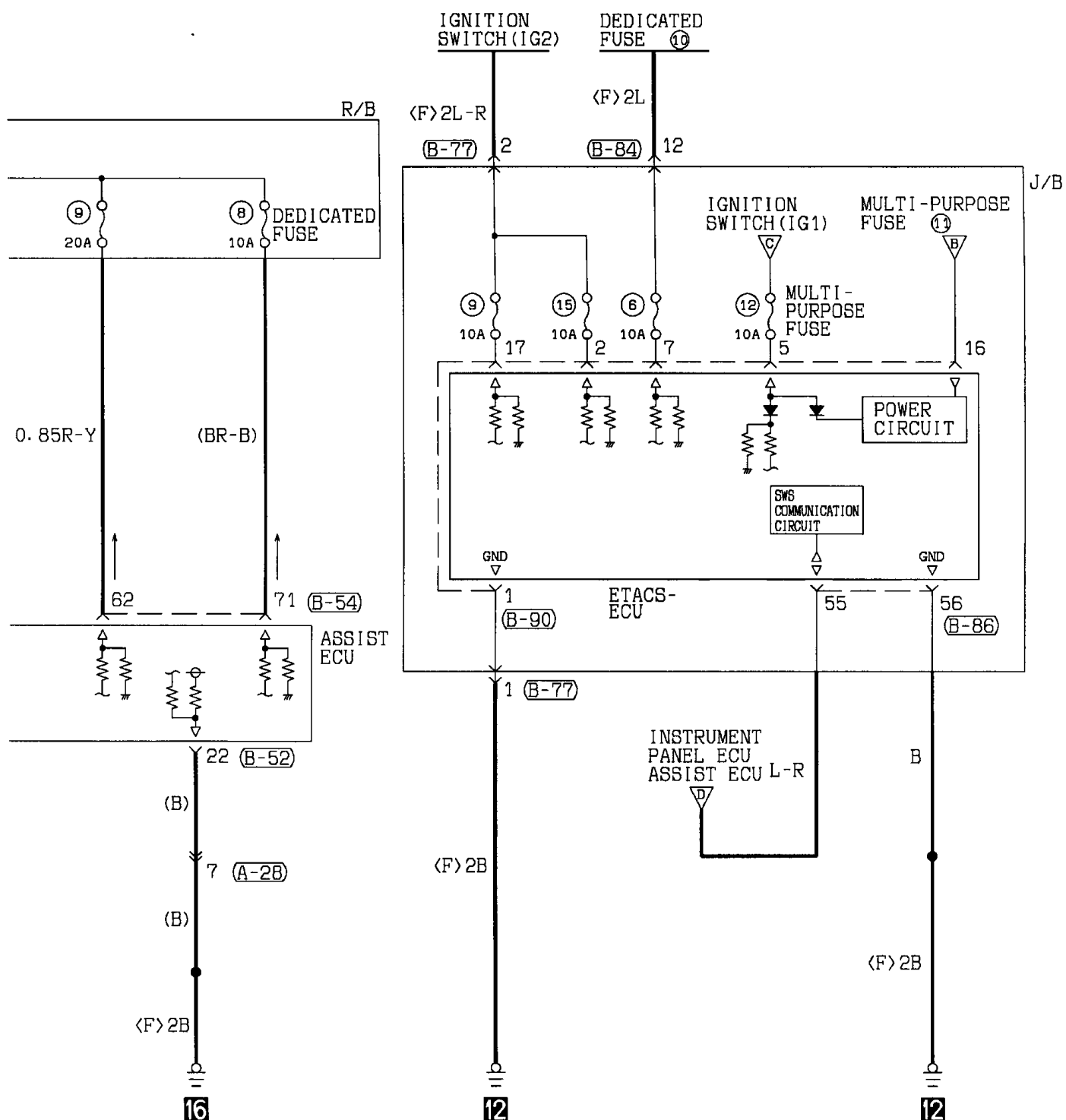
1

C-09

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



SIMPLIFIED WIRING SYSTEM (CONTINUED)



(A-28)

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

(B-52)

21	22	23	24	25	26	27	28
29	30	31	32	33	34	35	38

(B-54)

61	62	63	64	65	☐	66	67	68	69	70	
71	72	73	74	75	76	77	78	79	80	81	82

(B-77)

1		2
3	4	5
6		

(B-84)

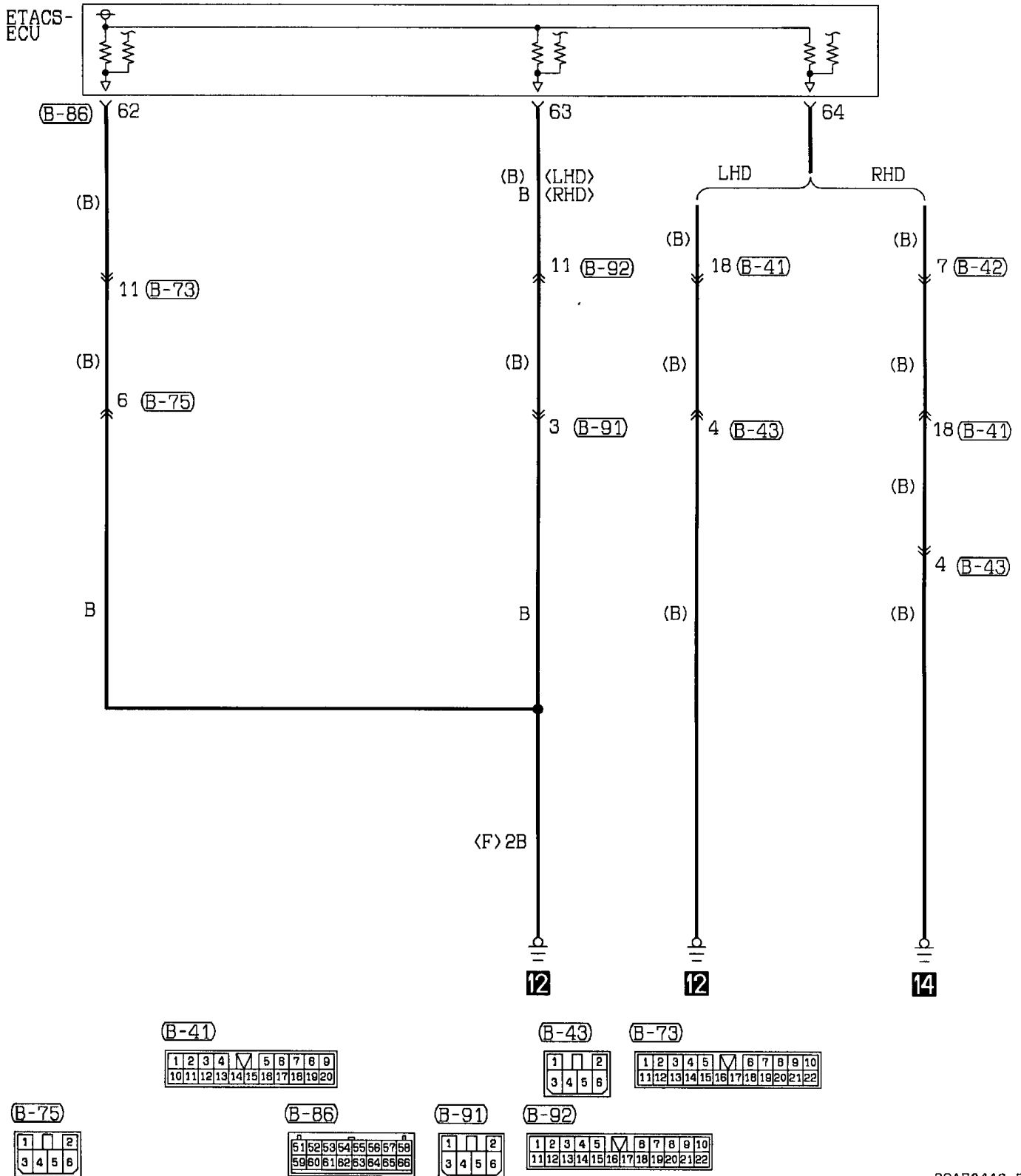
1	2	3	4	☒	5	6	7	8	
9	10	11	12	13	14	15	16	17	18

(B-86)

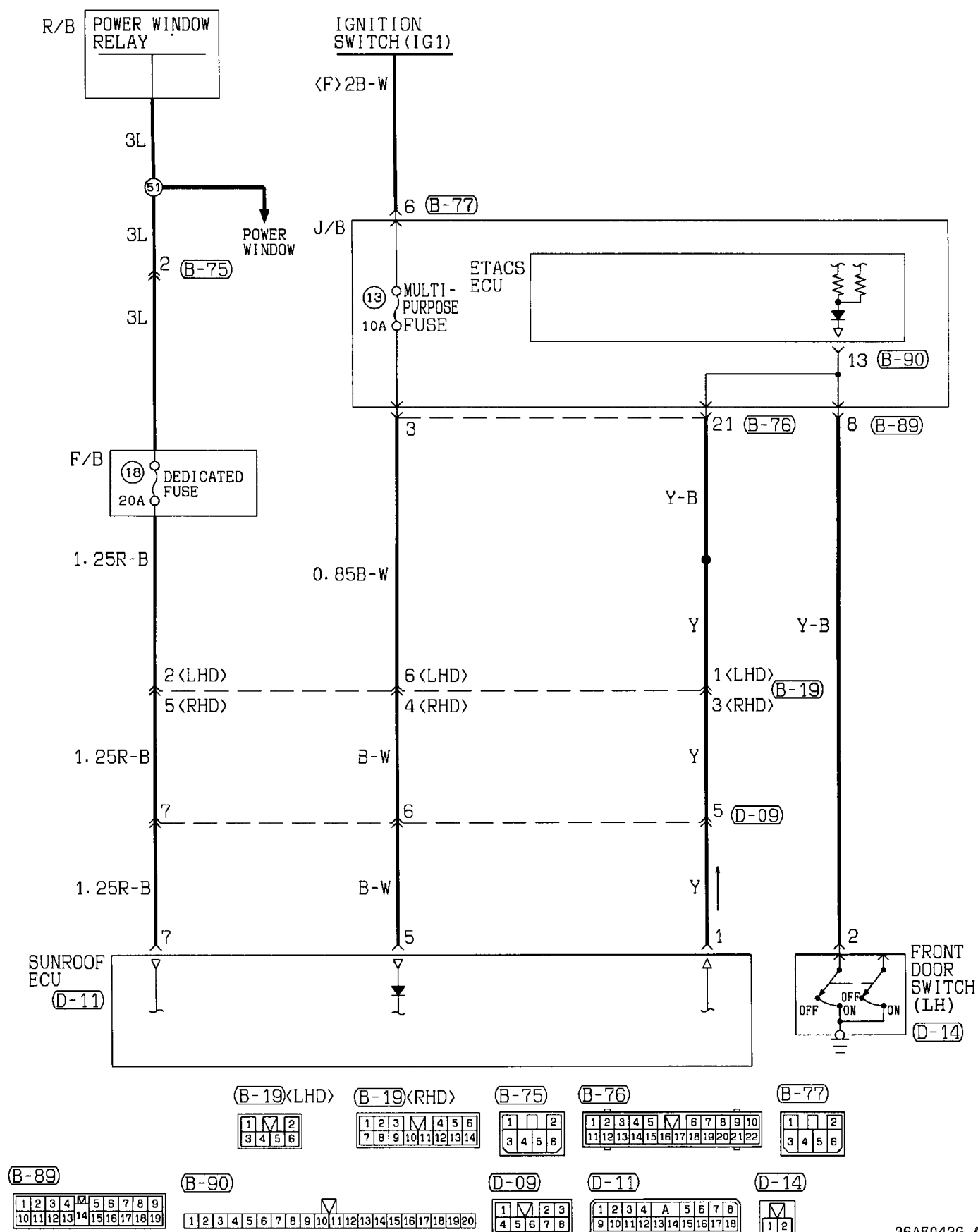
51	52	53	54	55	56	57	58
59	60	61	62	63	64	65	66

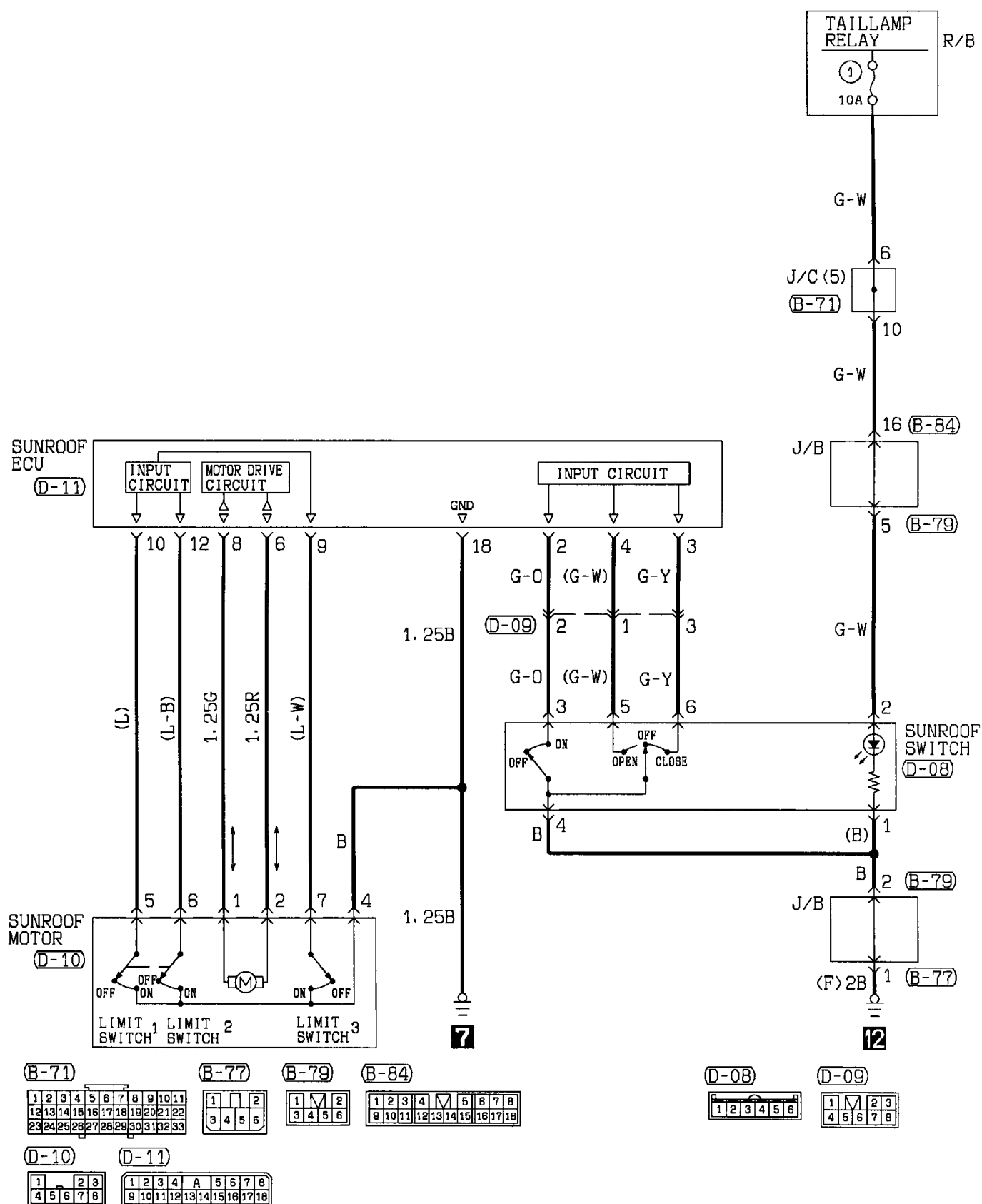
(B-90)

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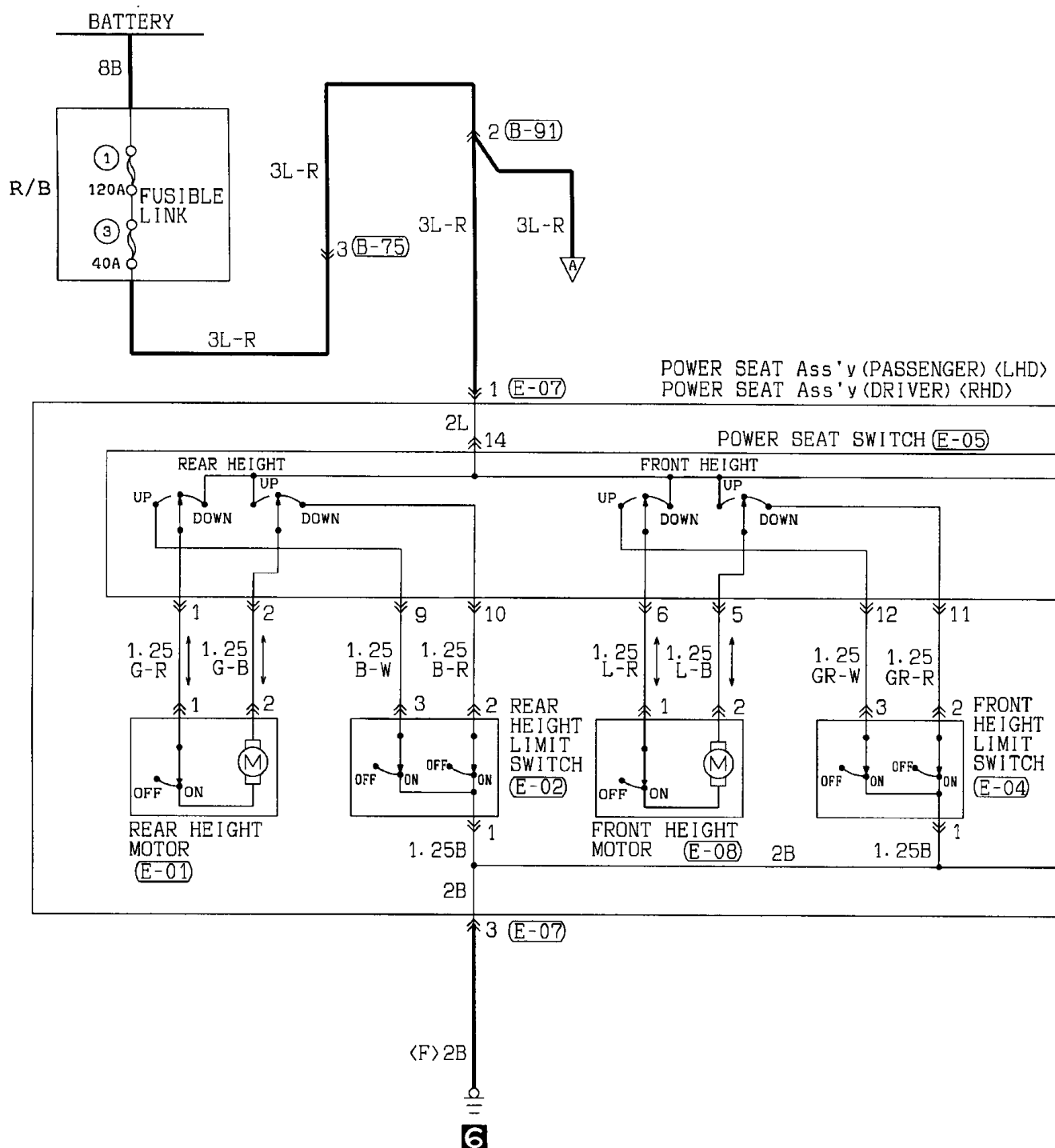


SUNROOF





POWER SEAT



E-02



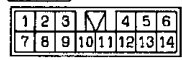
E-01



E-04



E-05



E-07



E-08

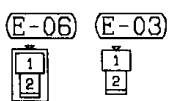
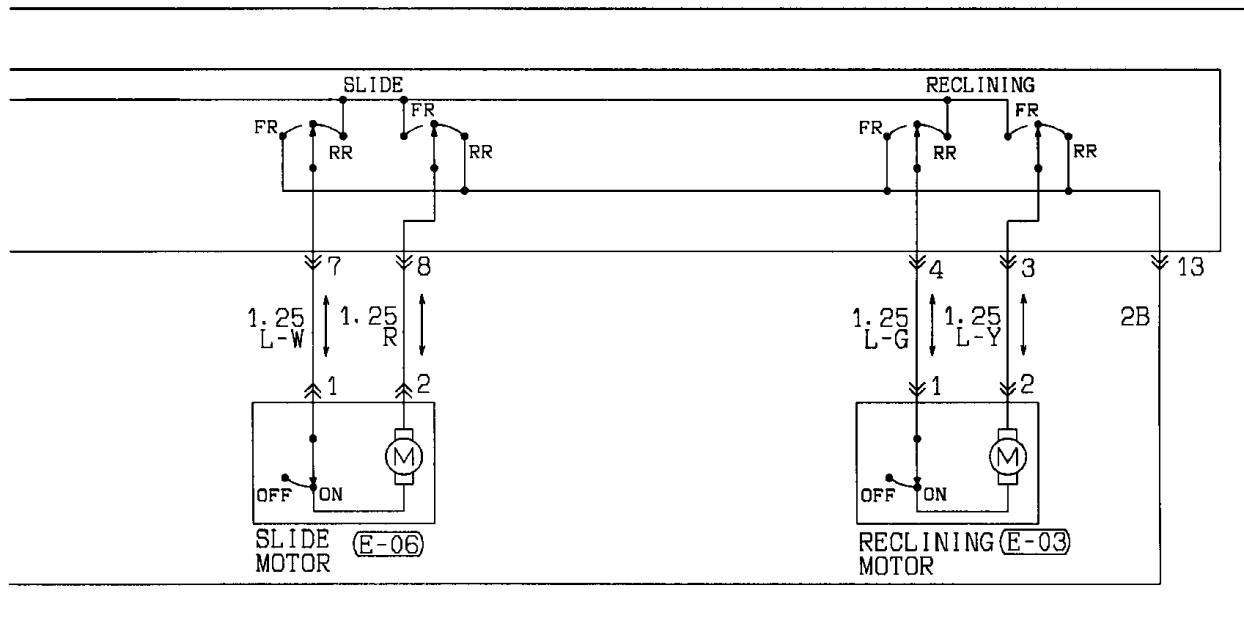


B-75

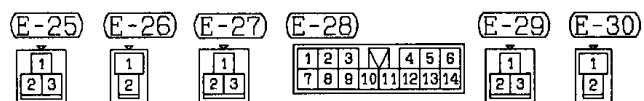
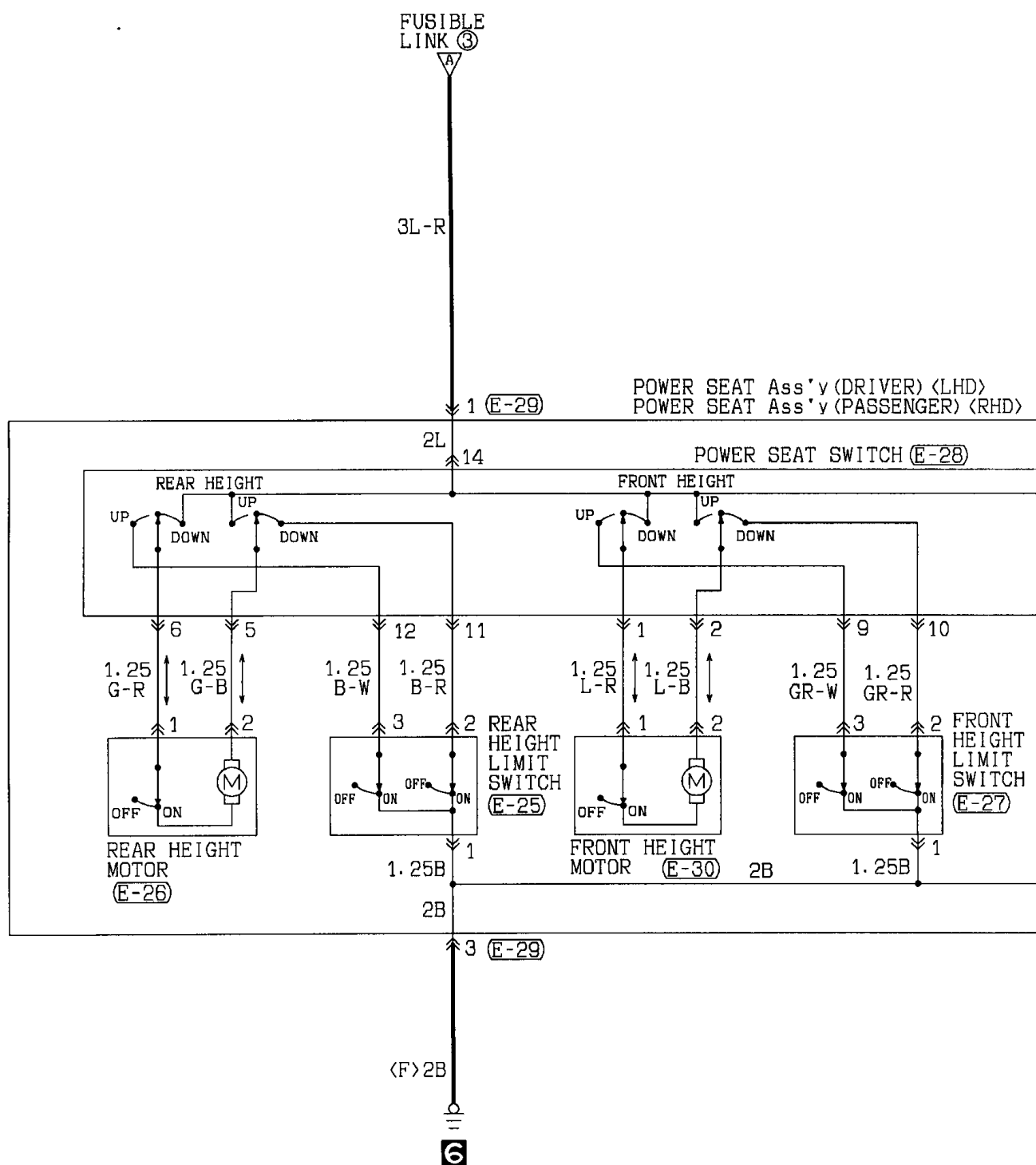


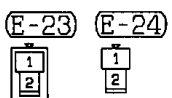
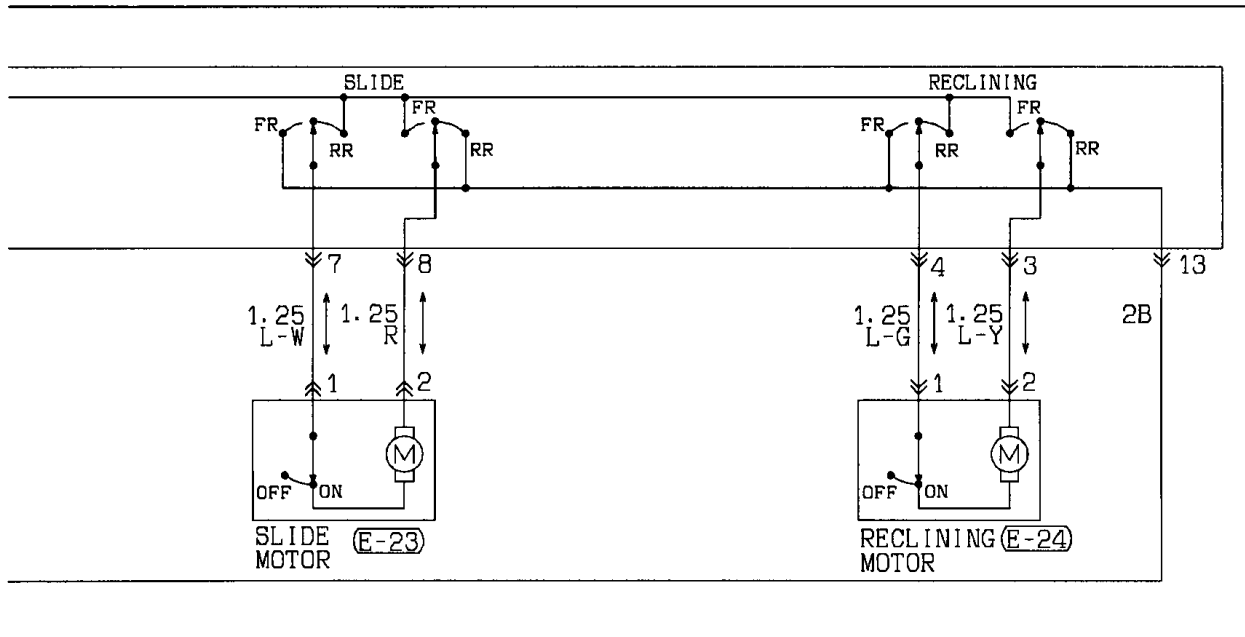
B-91





POWER SEAT (CONTINUED)





POSITION INDICATOR
LIGHT Ass'y

(B-Y)

HAZARD SWITCH ILL

A/C ILL

20(B-41)

(B-Y)

B-Y

B-Y

B-Y

CRUISE CONTROL ILL

(B-Y)

COMBINATION METER ILL

B-Y

CENTER WARNING DISPLAY ILL

B-Y

79

B-Y

ASHTRAY ILL

B-Y

9(C-09)

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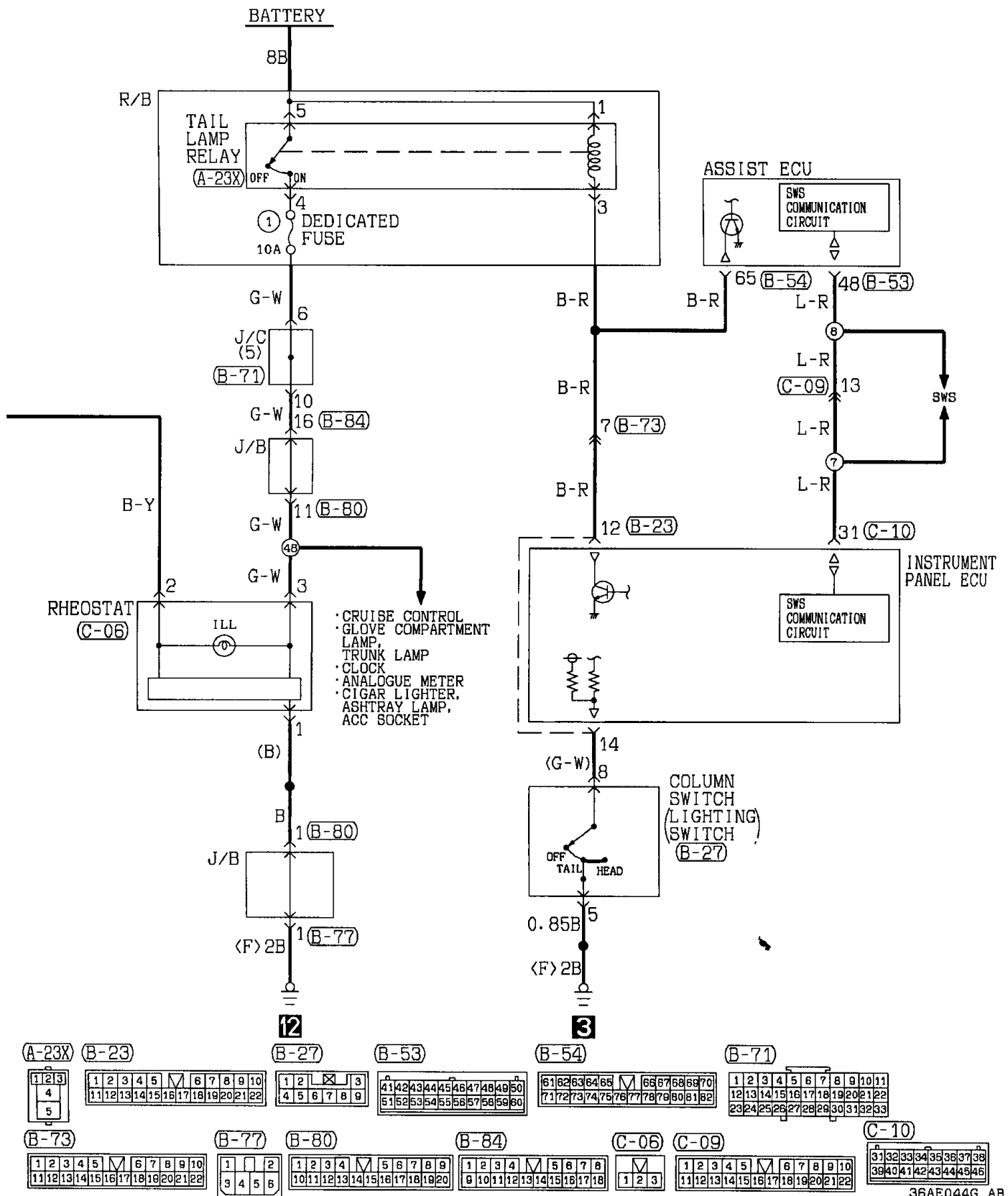
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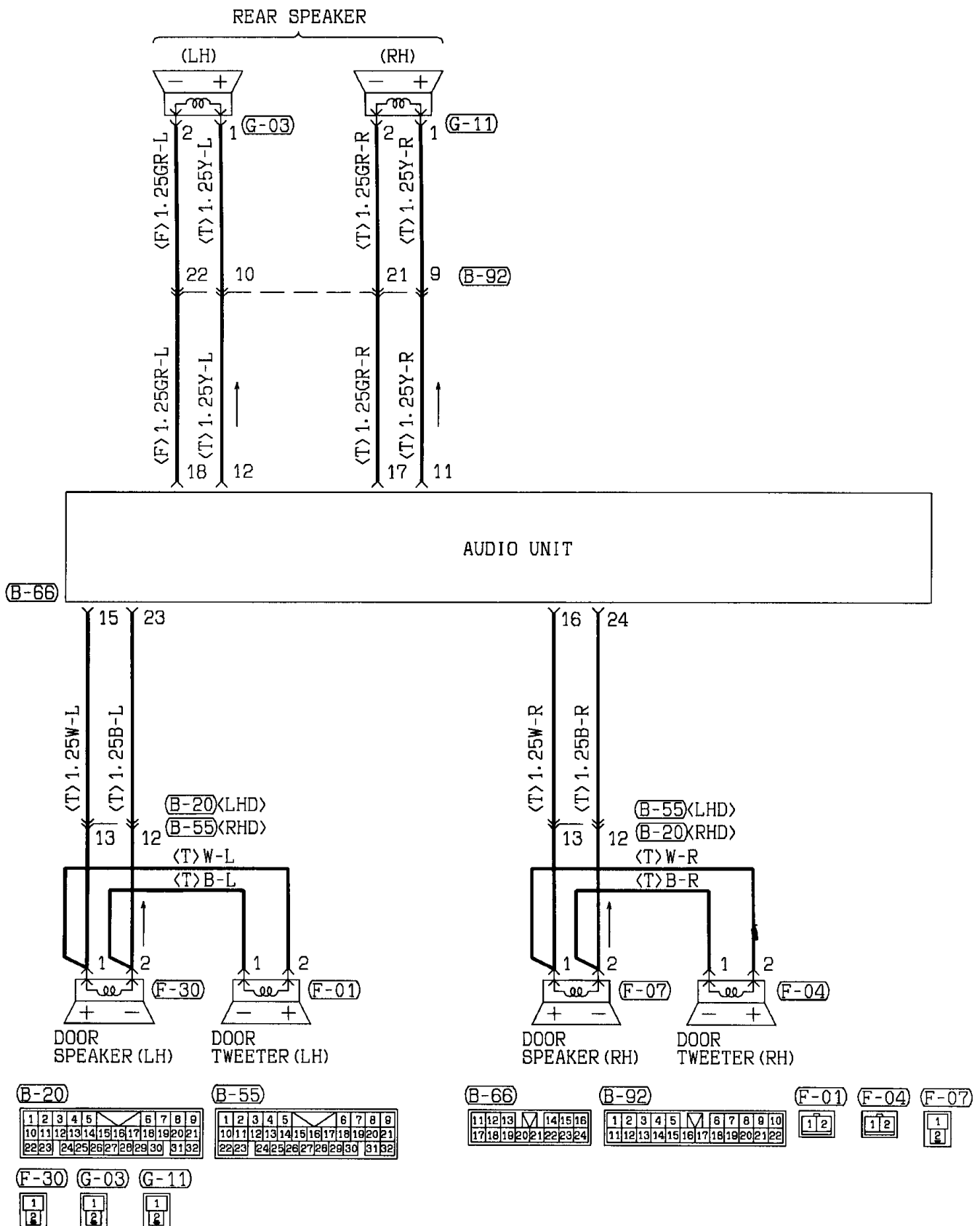
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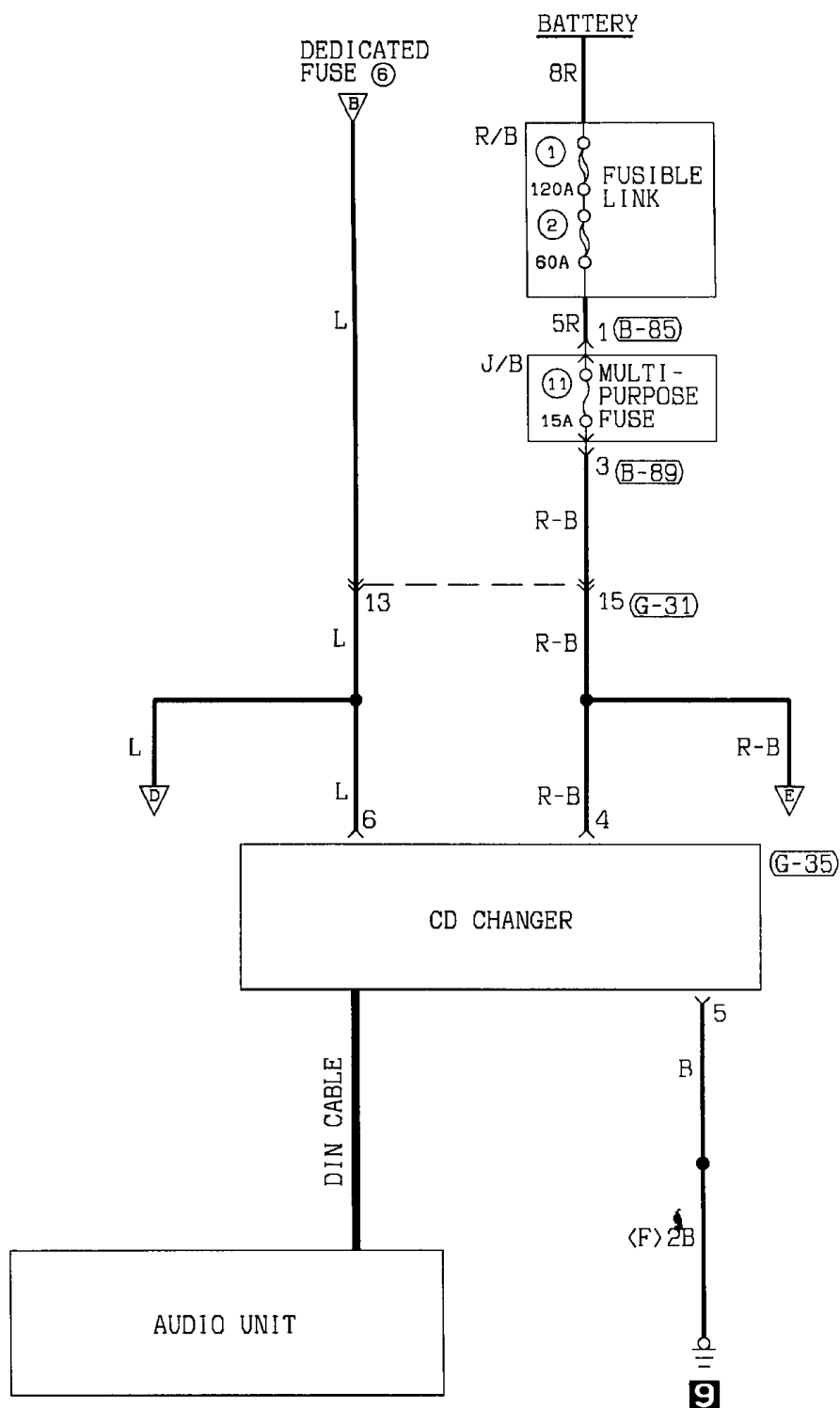
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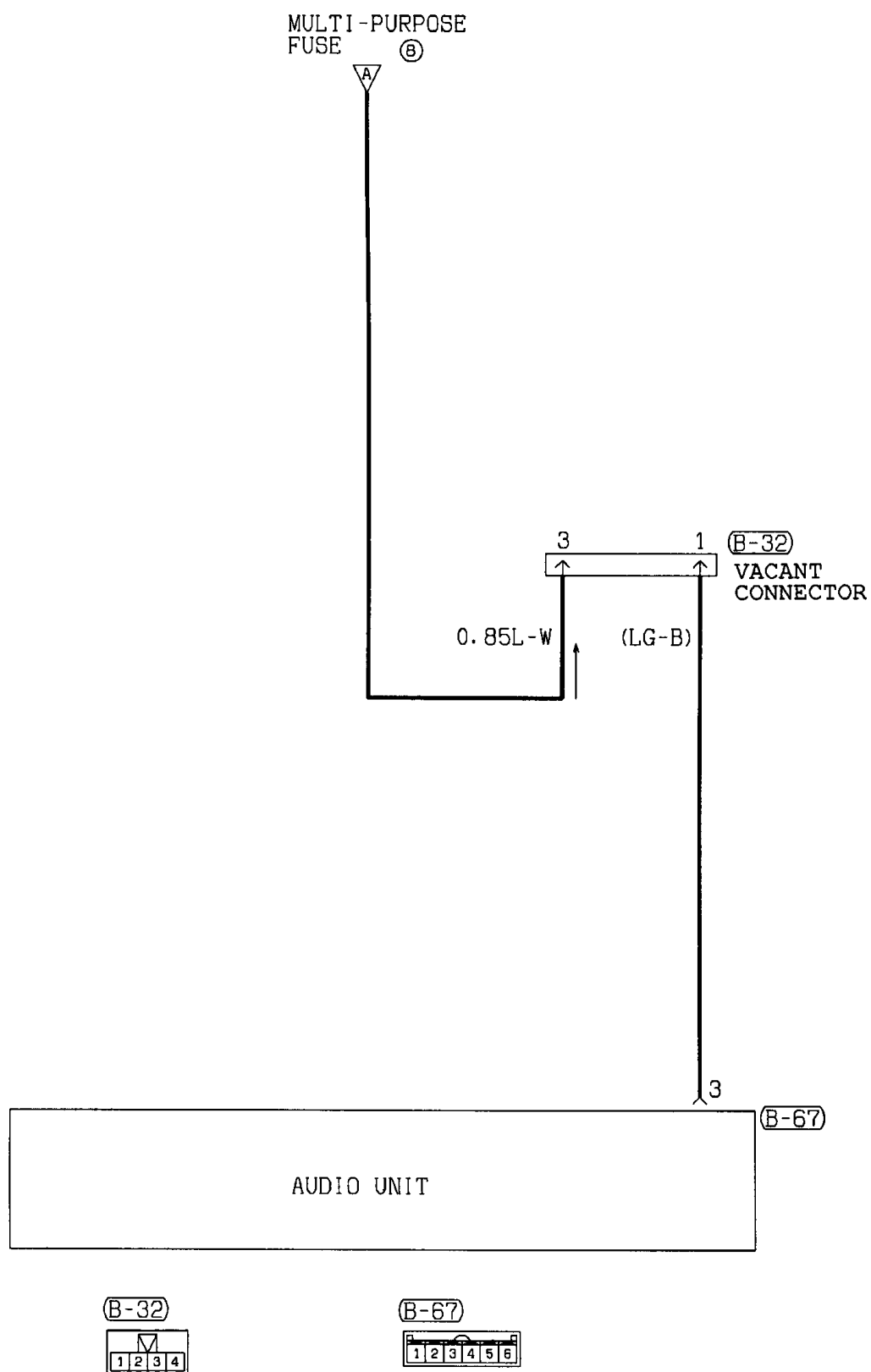
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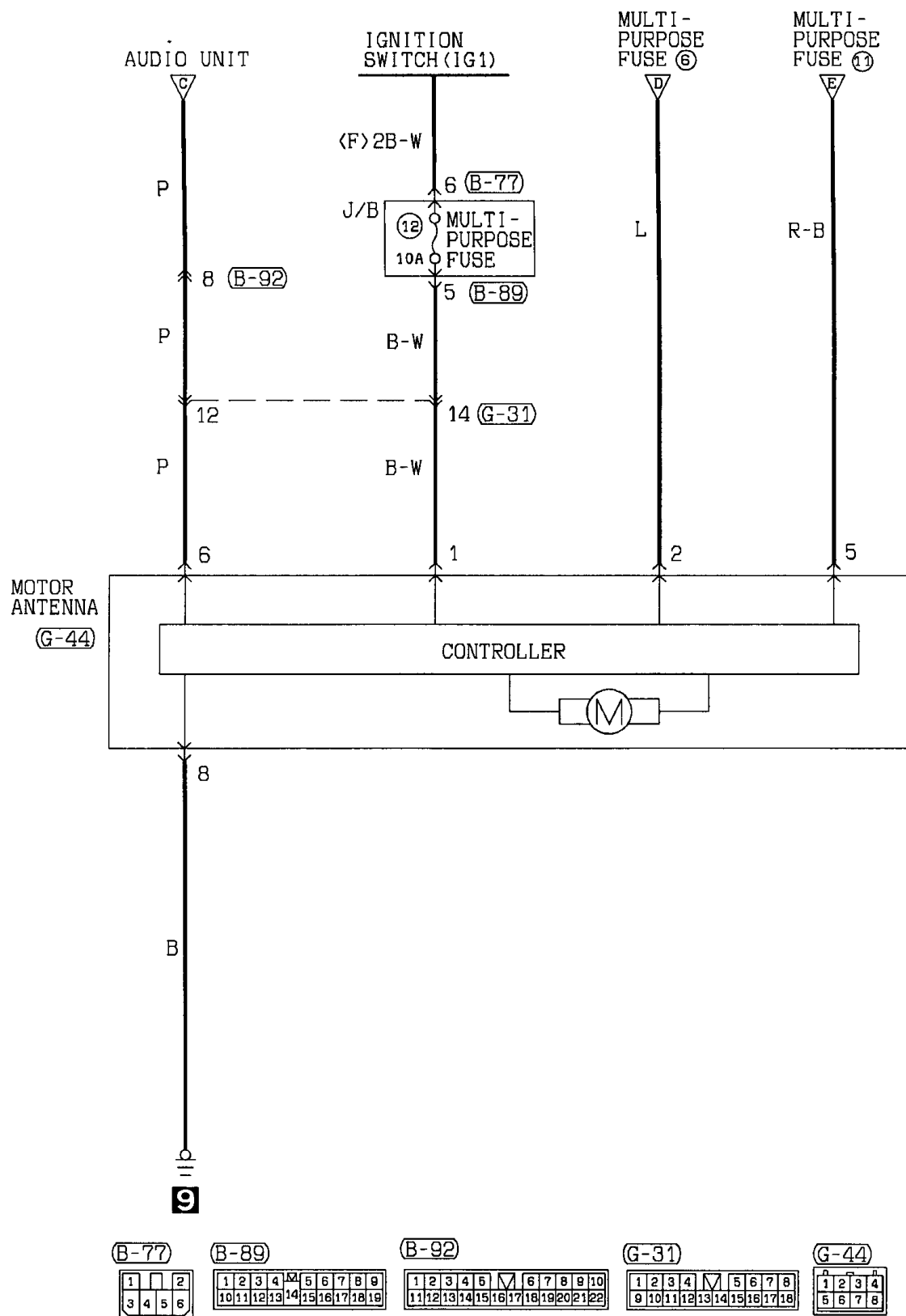
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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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