

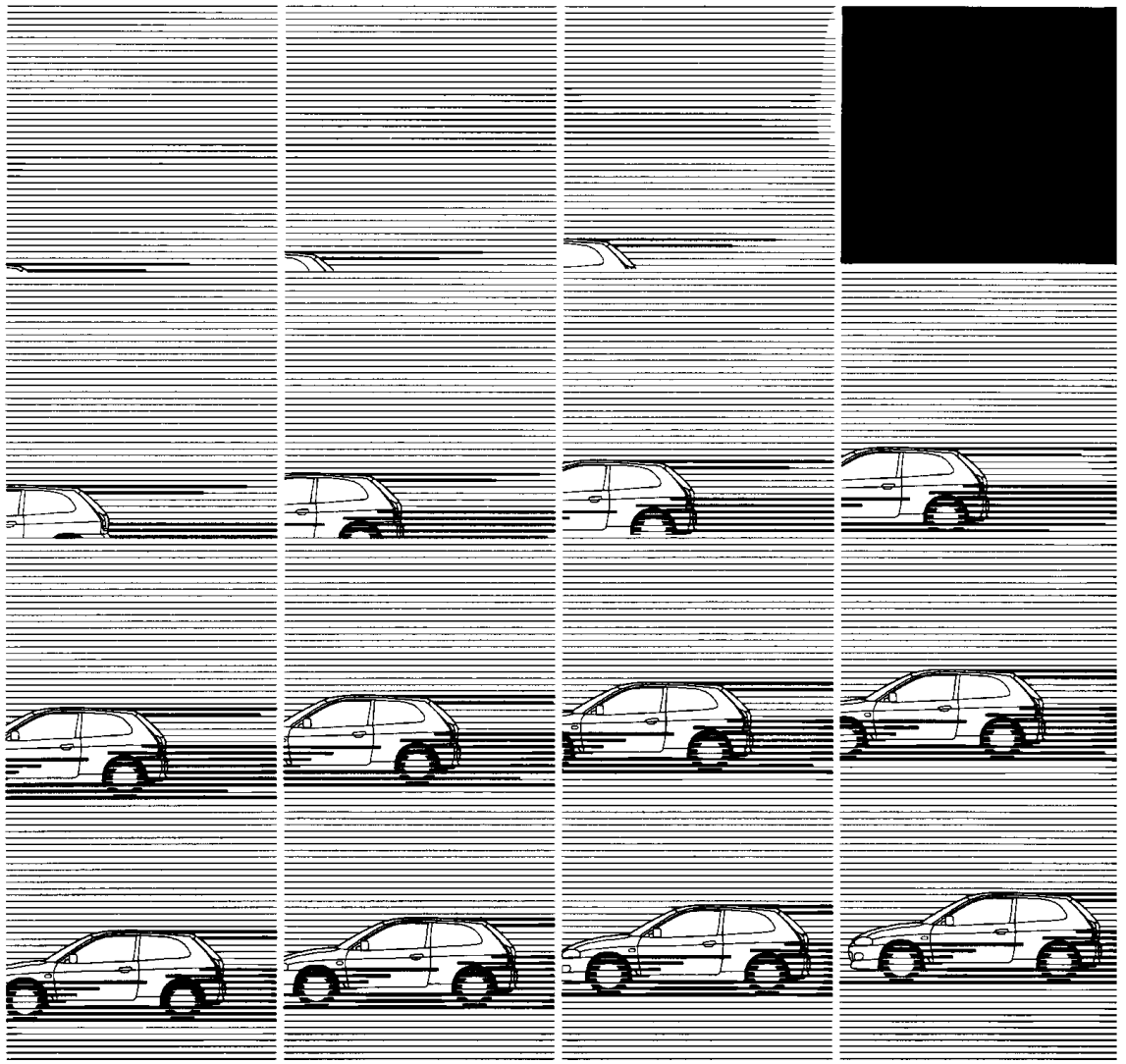


Workshop Manual

electrical wiring

SUPPLEMENT

COLT/LANCER '98



Pub. No. PHME9511-A

MITSUBISHI COLT/LANCER

ELECTRICAL WIRING SUPPLEMENT

FOREWORD

This publication is a supplement to the Electrical Wiring Manual Pub. No. PHME9511 and contains only additions and changes to the original issue. It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

TECHNICAL INFORMATION MANUAL
PYME9501

WORKSHOP MANUAL
ENGINE GROUP PWEE□□□□
(Looseleaf edition)
CHASSIS GROUP PWME9511 (Basic)
PWME9511-A
(Supplement)
BODY REPAIR MANUAL
PBME9501
ELECTRICAL WIRING
PHME9511

PARTS CATALOGUE B606F008A□

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



GROUP INDEX

OUTLINE OF CHANGES

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WIRING DIAGRAMS

WIRING HARNESS
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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.

OUTLINE OF CHANGES

CONTENTS

WIRING HARNESS CONFIGURATION DIAGRAMS	2	CIRCUIT DIAGRAM	2
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WIRING HARNESS CONFIGURATION DIAGRAMS

Wiring harness configuration diagrams				Description of changes
Connector symbol	Name		Reference page	
A	ENGINE COMPARTMENT	4G92 <L.H. drive vehicles>	2-2	Air flow sensor connector (A-99) has been added in conjunction with changes to air flow sensors other than those in MVV engine.
		4G92 <R.H. drive vehicles>	2-6	
B	DASH PANEL	L.H. drive vehicles	2-10	- Connector (B-28X) for front fog lamp relay has been added in conjunction with changes to fog lamp system. - Diagnosis connector (B-88) was added. - SRS-ECU connectors (B-89, B-90) have been added in conjunction with use of side air bag.
		R.H. drive vehicles	2-14	
C	INSTRUMENT PANEL	L.H. drive vehicles	2-18	In conjunction with changes to the fog lamp system, the name of connector (C-02) has been changed from front fog lamp switch to fog lamp switch, the number of connector poles has been changed, and the rear fog lamp switch (C-03) has been abolished.
		R.H. drive vehicles	2-19	
D	FLOOR AND ROOF	Hatchback <L.H. drive vehicles>	2-20	Connectors (D-27, D-30) for air bag module and connectors (D-28, D-29) for side impact sensor have been added in conjunction with use of side air bag.
		Hatchback <R.H. drive vehicles>	2-21	
		Sedan <L.H. drive vehicles>	2-22	
		Sedan <R.H. drive vehicles>	2-23	

SINGLE PART INSTALLATION POSITION

Location of changes	Reference page	Description of changes
RELAY	3-2	Front fog lamp relay has been added in conjunction with changes to fog lamp system.
SENSOR	3-2	Side impact sensor has been added in conjunction with use of side air bag.

CIRCUIT DIAGRAM

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
CENTRALIZED JUNCTION	-	4-3	In conjunction with changes to the fog lamp system, the capacity of dedicated fuse No. 9 has been changed from 15 (A) to 20 (A) and front fog lamp relay was added

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
POWER DISTRIBUTION SYSTEM	Vehicles with daytime running lamp	4-4	Circuitry of dedicated fuse No. 9 has been changed in conjunction with changes to the fog lamp system
	Vehicles without daytime running lamp	4-10	
MPI SYSTEM	4G13 <L.H. drive vehicles>	4-16	Diagnosis connector circuitry has been changed.
	4G13 <R.H. drive vehicles>	4-24	
	4G92 <L.H. drive vehicles>	4-32	- Diagnosis connector circuitry has been changed. - Air flow sensors other than those in MVV engine have been changed.
	4G92 <R.H. drive vehicles>	4-40	
ELC 4-SPEED AUTOMATIC TRANSMISSION	L.H. drive vehicles	4-48	Diagnosis connector circuitry has been changed.
	R.H. drive vehicles	4-56	
HEADLAMP	Vehicles with daytime running lamp	4-64	In conjunction with changes to the fog lamp system, diodes have been abolished.
	Vehicles without daytime running lamp	4-68	
FRONT FOG LAMP	Vehicles with daytime running lamp	4-72	In conjunction with changes to the fog lamp switch, circuitry has been changed.
	L.H. drive vehicles without daytime running lamp	4-76	
	R.H. drive vehicles	4-80	
REAR FOG LAMP	Vehicles with daytime running lamp	4-84	
	L.H. drive vehicles without daytime running lamp	4-88	
	R.H. drive vehicles	4-92	
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles	4-96	Power supply circuitry of diagnosis connector has been changed.
	R.H. drive vehicles	4-98	
ANTI-SKID BRAKING SYSTEM (ABS)	L.H. drive vehicles	4-100	
	R.H. drive vehicles	4-106	
IMMOBILIZER SYSTEM	–	4-112	
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	Vehicles without side air bag	4-114	In conjunction with use of side air bag, circuitry has been newly arranged.
	Vehicles with side air bag	4-116	

TABLE OF CIRCUIT DIAGRAMS

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

NOTE

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

Main circuit	Circuit classifications	Pub. No. PHME9511 (Basic)	Pub. No. PHME9511-A (Supplement)
JUNCTION BLOCK (J/B)	–	I	P
JOINT CONNECTOR (J/C)	–	I	P
CENTRALIZED JUNCTION	–	I	R
POWER DISTRIBUTION SYSTEM	Vehicles with daytime running lamp	I	R
	Vehicles without daytime running lamp	I	R
STARTING SYSTEM	–	I	P
IGNITION SYSTEM	4G13	I	P
	4G92	I	P
CHARGING SYSTEM	–	I	P
MPI SYSTEM	4G13 <L.H. drive vehicles>	I	R
	4G13 <R.H. drive vehicles>	I	R
	4G92 <L.H. drive vehicles>	I	R
	4G92 <R.H. drive vehicles>	I	R
COOLING SYSTEM	–	I	P
ELC 4-SPEED AUTOMATIC TRANSMISSION	L.H. drive vehicles	I	R
	R.H. drive vehicles	I	R
HEADLAMP	Vehicles with daytime running lamp	I	R
	Vehicles without daytime running lamp	I	R
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	Hatchback <Vehicles with daytime running lamp>	I	P
	Hatchback <Vehicles without daytime running lamp>	I	P
	Sedan <Vehicles with daytime running lamp>	I	P
	Sedan <Vehicles without daytime running lamp>	I	P

Main circuit	Circuit classifications	Pub. No. PHME9511 (Basic)	Pub. No. PHME9511-A (Supplement)
FRONT FOG LAMP	Vehicles with daytime running lamp	I	R
	L.H. drive vehicles without daytime running lamp	I	R
	R.H. drive vehicles	I	R
REAR FOG LAMP	Vehicles with daytime running lamp	I	R
	L.H. drive vehicles without daytime running lamp	I	R
	R.H. drive vehicles	I	R
ROOM LAMP AND LUGGAGE COMPARTMENT LAMP	Hatchback	I	P
	Sedan	I	P
HEADLAMP LEVELING SYSTEM	Hatchback <L.H. drive vehicles>	I	P
	Hatchback <R.H. drive vehicles>	I	P
	Sedan <L.H. drive vehicles>	I	P
	Sedan <R.H. drive vehicles>	I	P
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
STOP LAMP	Hatchback	I	P
	Sedan	I	P
BACK-UP LAMP	–	I	P
HORN	Vehicles with SRS	I	P
	Vehicles without SRS	I	P
METER AND GAUGE	–	I	P
FUEL WARNING LAMP	–	I	P
OIL PRESSURE WARNING LAMP	–	I	P
BRAKE WARNING LAMP	–	I	P
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles	I	R
	R.H. drive vehicles	I	R
POWER WINDOWS	Hatchback	I	P
	Sedan	I	P
HEATER	–	I	P
AIR CONDITIONER	–	I	P
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P

Main circuit	Circuit classifications	Pub. No. PHME9511 (Basic)	Pub. No. PHME9511-A (Supplement)
REAR WIPER AND WASHER	–	I	P
HEADLAMP WASHER	–	I	P
DEFOGGER AND DOOR MIRROR HEATER	–	I	P
REMOTE CONTROLLED MIRROR	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
RADIO AND TAPE PLAYER	–	I	P
CLOCK	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
CIGARETTE LIGHTER	–	I	P
ANTI-SKID BRAKING SYSTEM (ABS)	L.H. drive vehicles	I	R
	R.H. drive vehicles	I	R
SUNROOF	–	I	P
HEATED SEAT	–	I	P
IMMOBILIZER SYSTEM	–	I	R
RHEOSTAT	–	I	P
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	–	I	D
	Vehicles without side air bag	N	A
	Vehicles with side air bag	N	A
LIGHTING MONITOR BUZZER	–	I	P

HOW TO READ THE WIRING DIAGRAMS

CONTENTS

MODELS	1-2
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MODELS**<Hatchback>**

Model code		Engine model	Transmission model	Fuel supply system
CJ1A	MNDEL6	4G13-SOHC (1, 299 ml)	F5M41 (5M/T)	MPI
	MNDGL6			
	MNDER6			
	MNJEL6			
	MNJGL6			
	MNJER6			
	MRJEL6		F4A41 (4A/T)	
	MRJER6			
CJ4A	MNJEL6	4G92-SOHC (1, 597 ml)	F5M41 (5M/T)	
	MNJGL6			
	MNJER6			
	MRJEL6			
	MRJGL6			
	MRJER6			
	MNDAL6		F5M41 (5M/T)	MPI <MVV>
	MNDAR6			

<Sedan>

Model code		Engine model	Transmission model	Fuel supply system
CK1A	SNDEL6	4G13-SOHC (1, 299 ml)	F5M41 (5M/T)	MPI
	SNDGL6			
	SNDER6			
	SNJEL6			
	SNJGL6			
	SNJER6			
	SRJEL6		F4A41 (4A/T)	
	SRJER6			

WIRING HARNESS CONFIGURATION DIAGRAMS

CONTENTS

ENGINE COMPARTMENT

4G92 <L.H. drive vehicles>	2-2
4G92 <R.H. drive vehicles>	2-6

DASH PANEL

L.H. drive vehicles	2-10
R.H. drive vehicles	2-14

INSTRUMENT PANEL

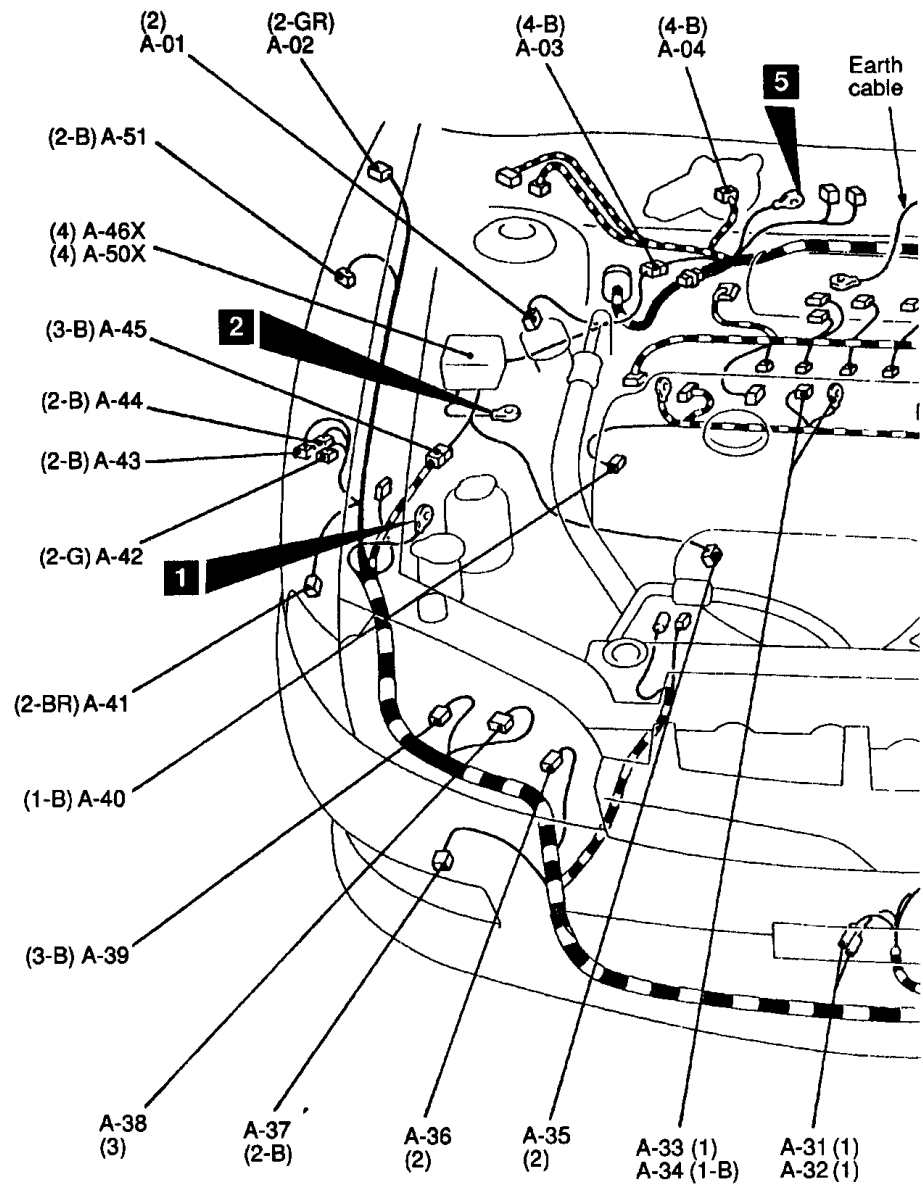
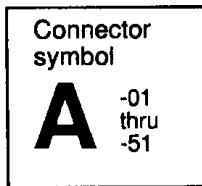
L.H. drive vehicles	2-18
R.H. drive vehicles	2-19

FLOOR AND ROOF

Hatchback <L.H. drive vehicles>	2-20
Hatchback <R.H. drive vehicles>	2-21
Sedan <L.H. drive vehicles>	2-22
Sedan <R.H. drive vehicles>	2-23

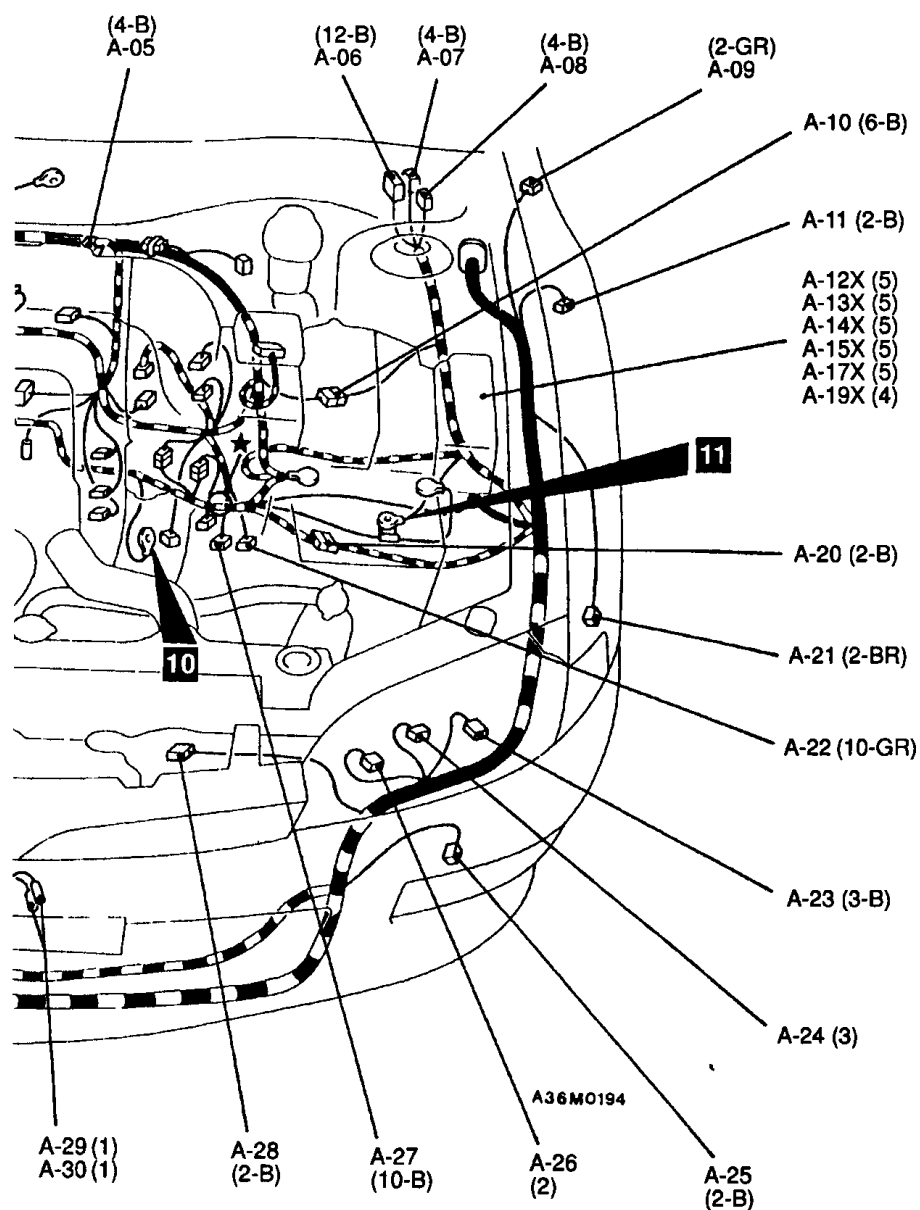
ENGINE COMPARTMENT

4G92 <L.H. drive vehicles>



A-01 Dual pressure switch <A/C>
 A-02 Side turn signal lamp (RH)
 A-03 A/C wiring harness and control wiring harness combination
 A-04 Windshield wiper motor
 A-05 Throttle position sensor
 A-06 DRL-ECU
 A-07 DRL relay 2
 A-08 DRL relay 1
 A-09 Side turn signal lamp (LH)
 A-10 Control wiring harness and front wiring harness combination
 A-11 Wheel speed sensor (front:LH) <ABS>

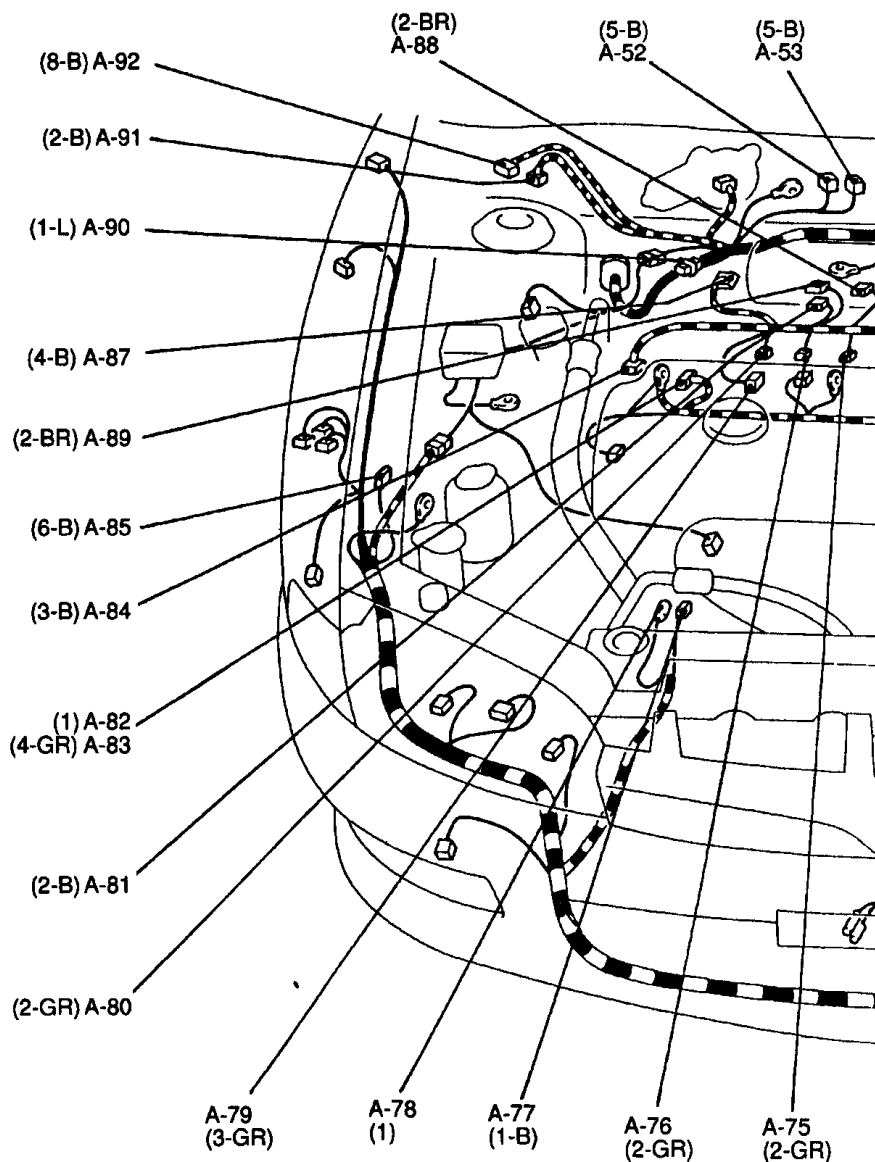
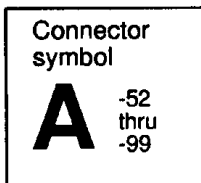
A-12X Rear fog lamp relay
 A-13X Horn relay <SRS>
 A-14X Tail lamp relay <DRL>
 A-15X Radiator fan relay
 A-17X Headlamp relay
 A-19X Alternator relay
 A-20 Battery cable wiring harness and front wiring harness combination
 A-21 Front turn signal lamp (LH)
 A-22 A/T control solenoid valve assembly
 A-23 Headlamp (LH)
 A-24 Headlamp leveling unit (LH)



A-25 Front fog lamp (LH)
 A-26 Position lamp (LH)
 A-27 Inhibitor switch <A/T>
 A-28 Radiator fan motor
 A-29 Horn (HI)
 A-30 Horn (HI)
 A-31 Horn (LO)
 A-32 Horn (LO)
 A-33 Starter
 A-34 Starter
 A-35 Condenser fan motor
 A-36 Position lamp (RH)
 A-37 Front fog lamp (RH)

A-38 Headlamp leveling unit (RH)
 A-39 Headlamp (RH)
 A-40 Oil pressure switch
 A-41 Front turn signal lamp (RH)
 A-42 Rear washer motor
 A-43 Windshield washer motor
 A-44 Headlamp washer motor
 A-45 A/C wiring harness and front wiring harness combination
 A-46X Condenser fan relay
 A-50X A/C compressor relay
 A-51 Wheel speed sensor (front:RH) <ABS>

4G92 <L.H. drive vehicles>

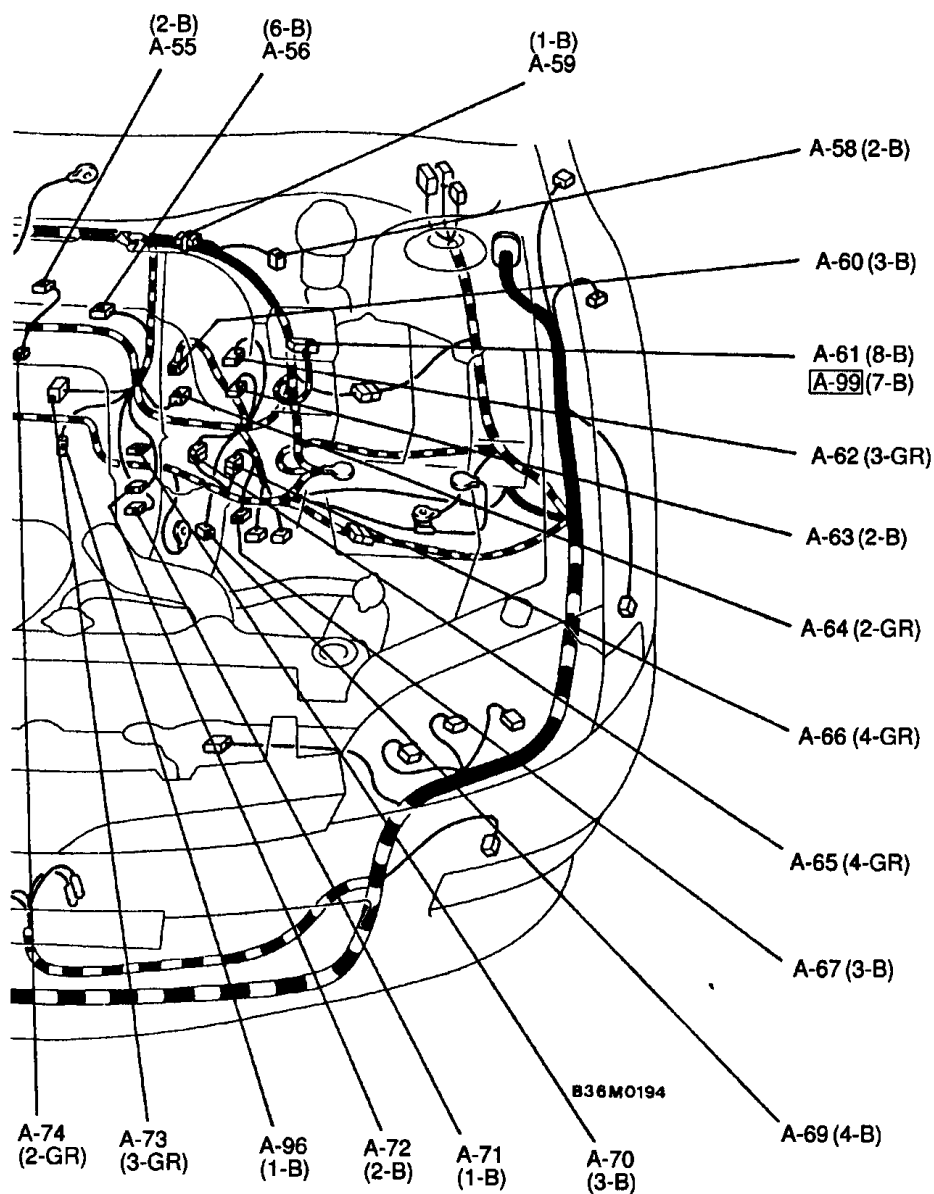


Remark

Connector numbers in boxes are for connectors which have been newly added.

A-52 ABS valve relay
 A-53 ABS motor relay
 A-55 Air bypass solenoid valve <MVV>
 A-56 Idle speed control servo
 A-58 Brake fluid level sensor
 A-59 Fuel pump check connector
 A-60 Vehicle speed sensor
 A-61 Air flow sensor <MVV>
 A-62 Output shaft speed sensor <A/T>
 A-63 Back-up lamp switch <M/T>

A-64 Detonation sensor
 A-65 Battery cable wiring harness and control wiring harness combination <M/T>
 A-66 Battery cable wiring harness and control wiring harness combination <A/T>
 A-67 Input shaft speed sensor <A/T>
 A-69 Oxygen sensor <MVV>
 A-70 Camshaft position sensor
 A-71 Engine coolant temperature gauge unit
 A-72 Engine coolant temperature sensor

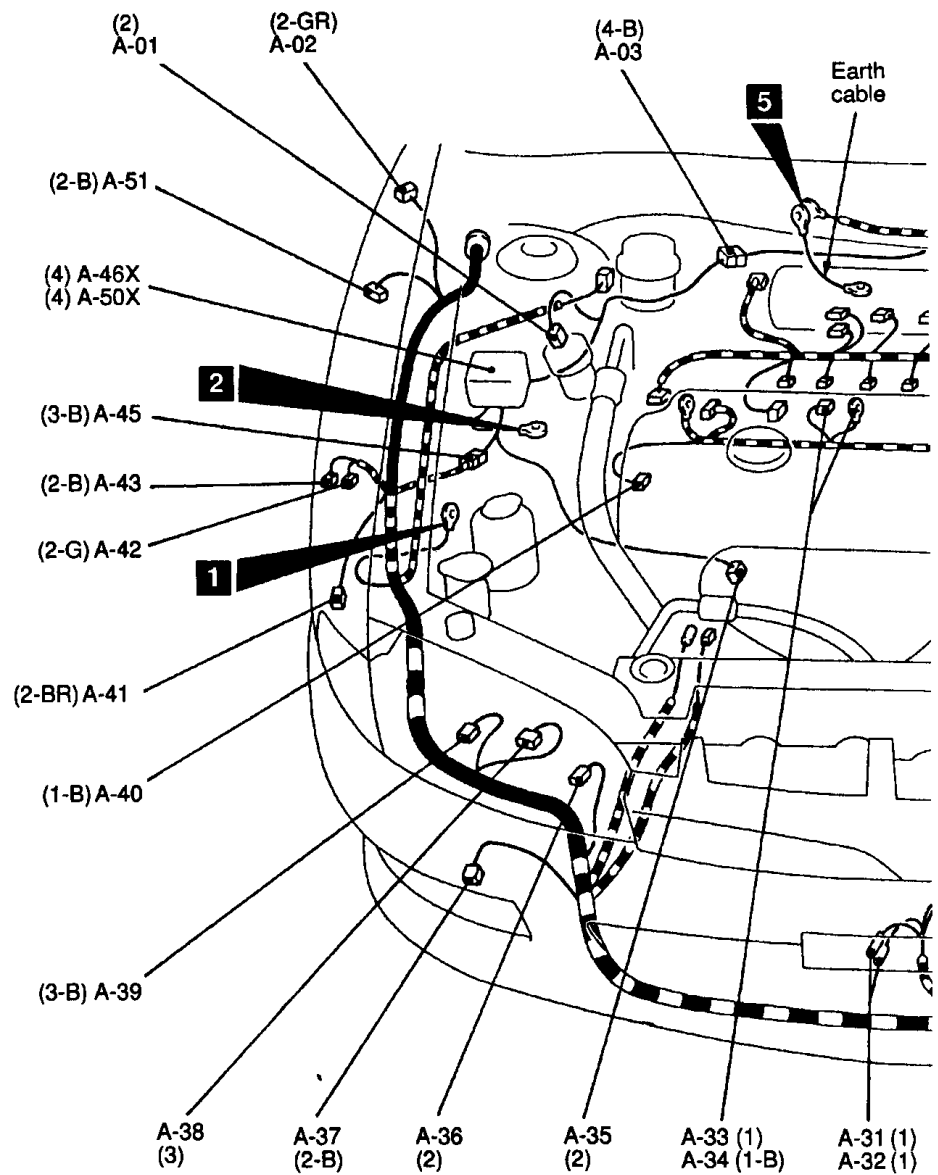
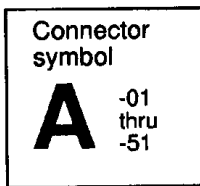


A-73 Ignition coil 1
 A-74 Injector 4
 A-75 Injector 3
 A-76 Injector 2
 A-77 A/C refrigerant temperature switch and magnetic clutch
 A-78 Power steering oil pressure switch
 A-79 Ignition coil 2
 A-80 Injector 1
 A-81 Purge control solenoid valve
 A-82 Alternator

A-83 Alternator
 A-84 Crank angle sensor
 A-85 Headlamp washer relay
 A-87 Oxygen sensor <except MVV>
 A-88 EGR solenoid valve <except MVV>
 A-89 EGR solenoid valve <MVV>
 A-90 Engine speed detection connector
 A-91 ABS hydraulic unit
 A-92 ABS hydraulic unit
 A-96 Capacitor
 A-99 Air flow sensor <except MVV>

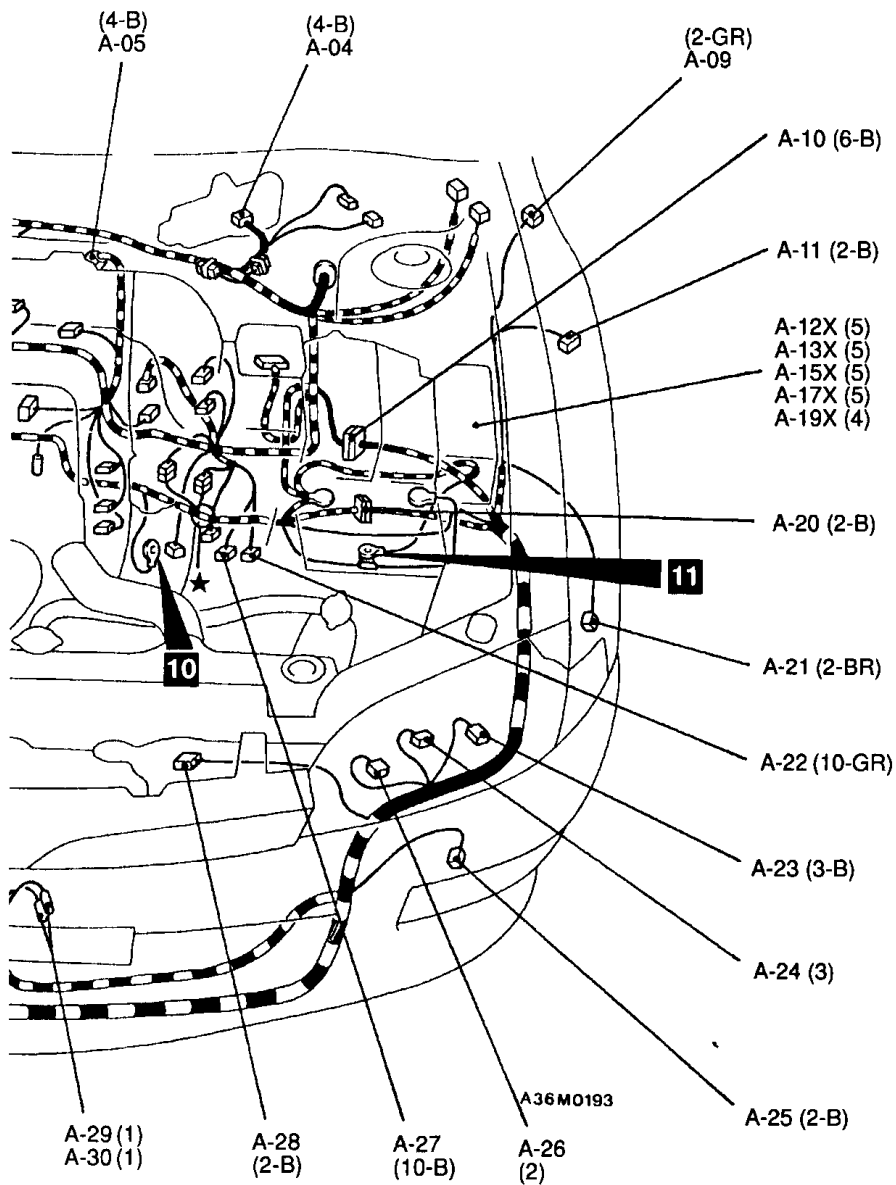
ENGINE COMPARTMENT

4G92 <R.H. drive vehicles>



A-01 Dual pressure switch <A/C>
 A-02 Side turn signal lamp (RH)
 A-03 A/C wiring harness and control wiring harness combination
 A-04 Windshield wiper motor
 A-05 Throttle position sensor
 A-09 Side turn signal lamp (LH)
 A-10 Control wiring harness and front wiring harness combination
 A-11 Wheel speed sensor (front:LH) <ABS>
 A-12X Rear fog lamp relay
 A-13X Horn relay<SRS>

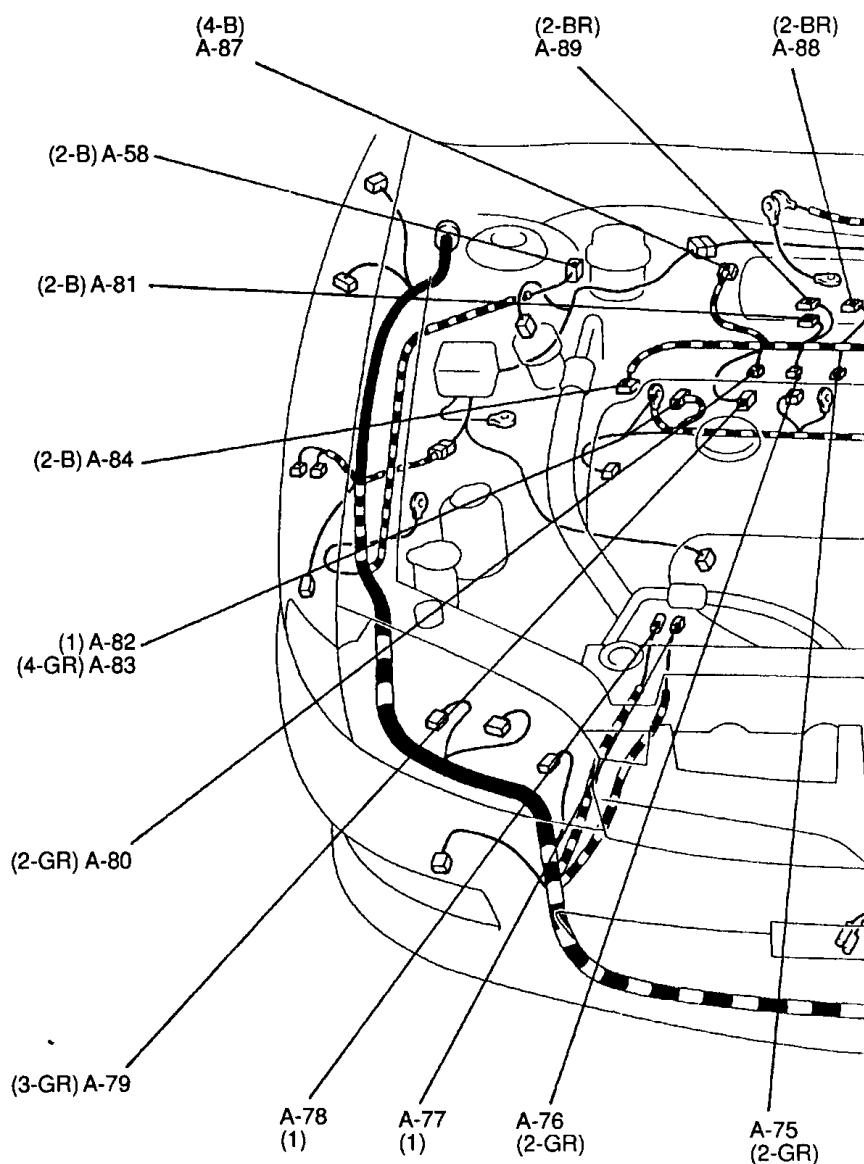
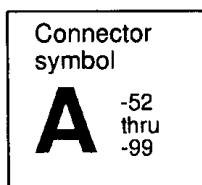
A-15X Radiator fan relay
 A-17X Headlamp relay
 A-19X Alternator relay
 A-20 Battery cable wiring harness and front wiring harness combination
 A-21 Front turn signal lamp (LH)
 A-22 A/T control solenoid valve assembly
 A-23 Headlamp (LH)
 A-24 Headlamp leveling unit (LH)
 A-25 Front fog lamp (LH)
 A-26 Position lamp (LH)



A-27 Inhibitor switch <A/T>
A-28 Radiator fan motor
A-29 Horn (HI)
A-30 Horn (HI)
A-31 Horn (LO)
A-32 Horn (LO)
A-33 Starter
A-34 Starter
A-35 Condenser fan motor
A-36 Position lamp (RH)
A-37 Front fog lamp (RH)

A-38 Headlamp leveling unit (RH)
A-39 Headlamp (RH)
A-40 Oil pressure switch
A-41 Front turn signal lamp (RH)
A-42 Rear washer motor
A-43 Windshield washer motor
A-45 A/C wiring harness and front wiring harness combination
A-46X Condenser fan relay
A-50X A/C compressor relay
A-51 Wheel speed sensor (front:RH) <ABS>

4G92 <R.H. drive vehicles>

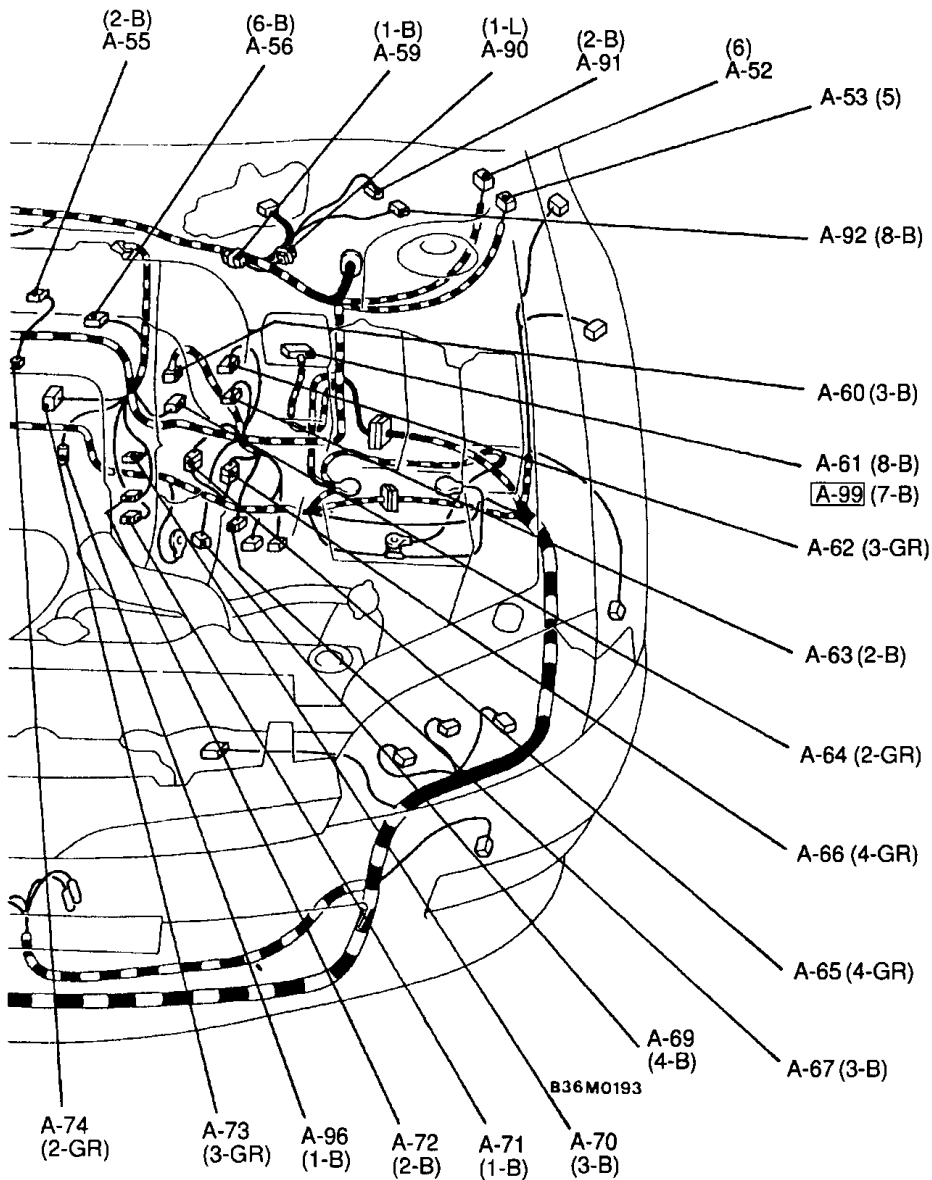


Remark

Connector numbers in boxes are for connectors which have been newly added.

A-52 ABS valve relay
 A-53 ABS motor relay
 A-55 Air bypass solenoid valve <MVV>
 A-56 Idle speed control servo
 A-58 Brake fluid level sensor
 A-59 Fuel pump check connector
 A-60 Vehicle speed sensor
 A-61 Air flow sensor <MVV>
 A-62 Output shaft speed sensor <A/T>
 A-63 Back-up lamp switch <M/T>

A-64 Detonation sensor
 A-65 Battery cable wiring harness and control wiring harness combination <M/T>
 A-66 Battery cable wiring harness and control wiring harness combination <A/T>
 A-67 Input shaft position sensor <A/T>
 A-69 Oxygen sensor <MVV>
 A-70 Camshaft position sensor
 A-71 Engine coolant temperature gauge unit

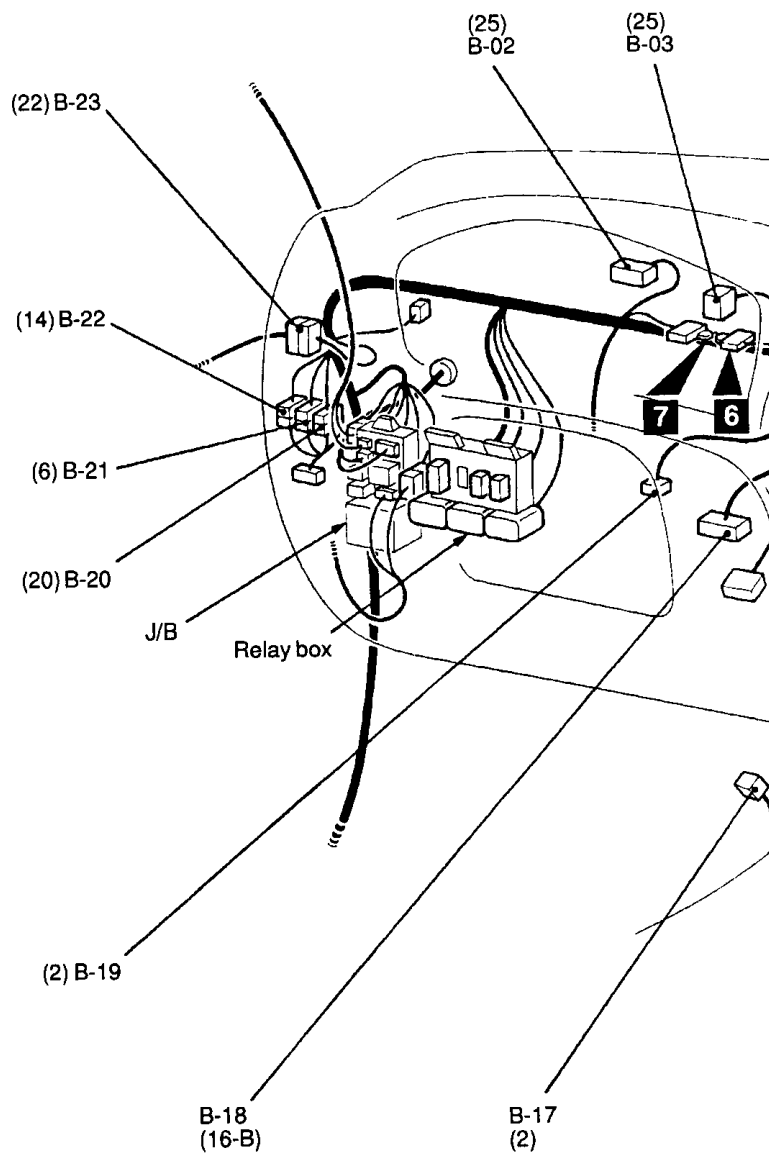
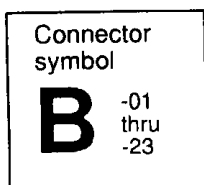


- A-72 Engine coolant temperature sensor
- A-73 Ignition coil 1
- A-74 Injector 4
- A-75 Injector 3
- A-76 Injector 2
- A-77 A/C refrigerant temperature switch and magnetic clutch
- A-78 Power steering oil pressure switch
- A-79 Ignition coil 2
- A-80 Injector 1
- A-81 Purge control solenoid valve

- A-82 Alternator
- A-83 Alternator
- A-84 Crank angle sensor
- A-87 Oxygen sensor <except MVV>
- A-88 EGR solenoid valve <except MVV>
- A-89 EGR solenoid valve <MVV>
- A-90 Engine speed detection connector
- A-91 ABS hydraulic unit
- A-92 ABS hydraulic unit
- A-96 Capacitor
- A-99 Air flow sensor <except MVV>

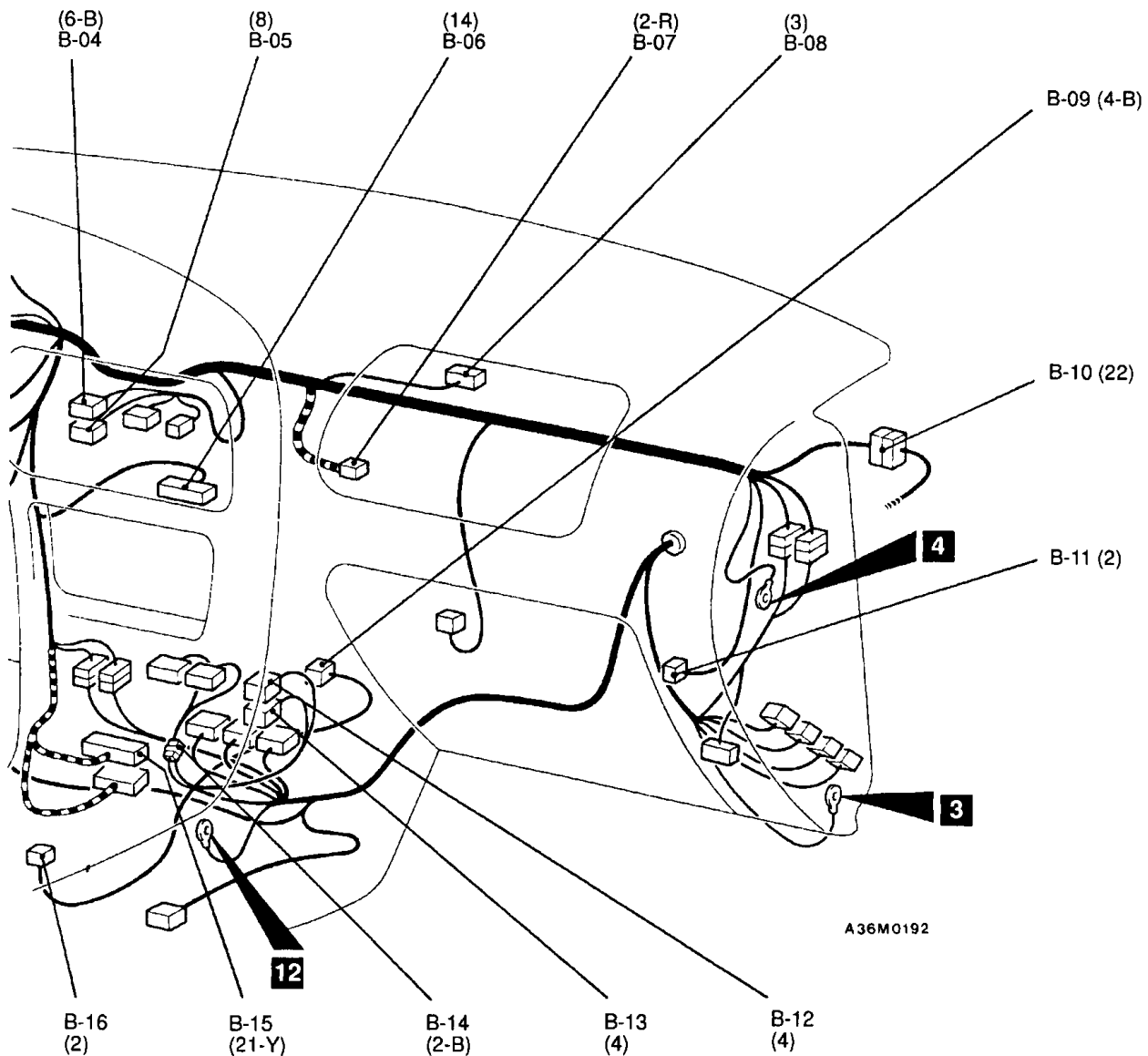
DASH PANEL

L.H. drive vehicles



B-02 Combination meter
 B-03 Combination meter
 B-04 Defogger switch
 B-05 A/C switch
 B-06 Radio and tape player
 B-07 Air bag module (squib) (passenger's side)
 B-08 Thermostat <A/C>

B-09 A/T relay
 B-10 Front door wiring harness (passenger's side) and
 body wiring harness combination
 B-11 Blower motor
 B-12 Fuel pump relay
 B-13 Engine control relay
 B-14 Diode (for ABS circuit)



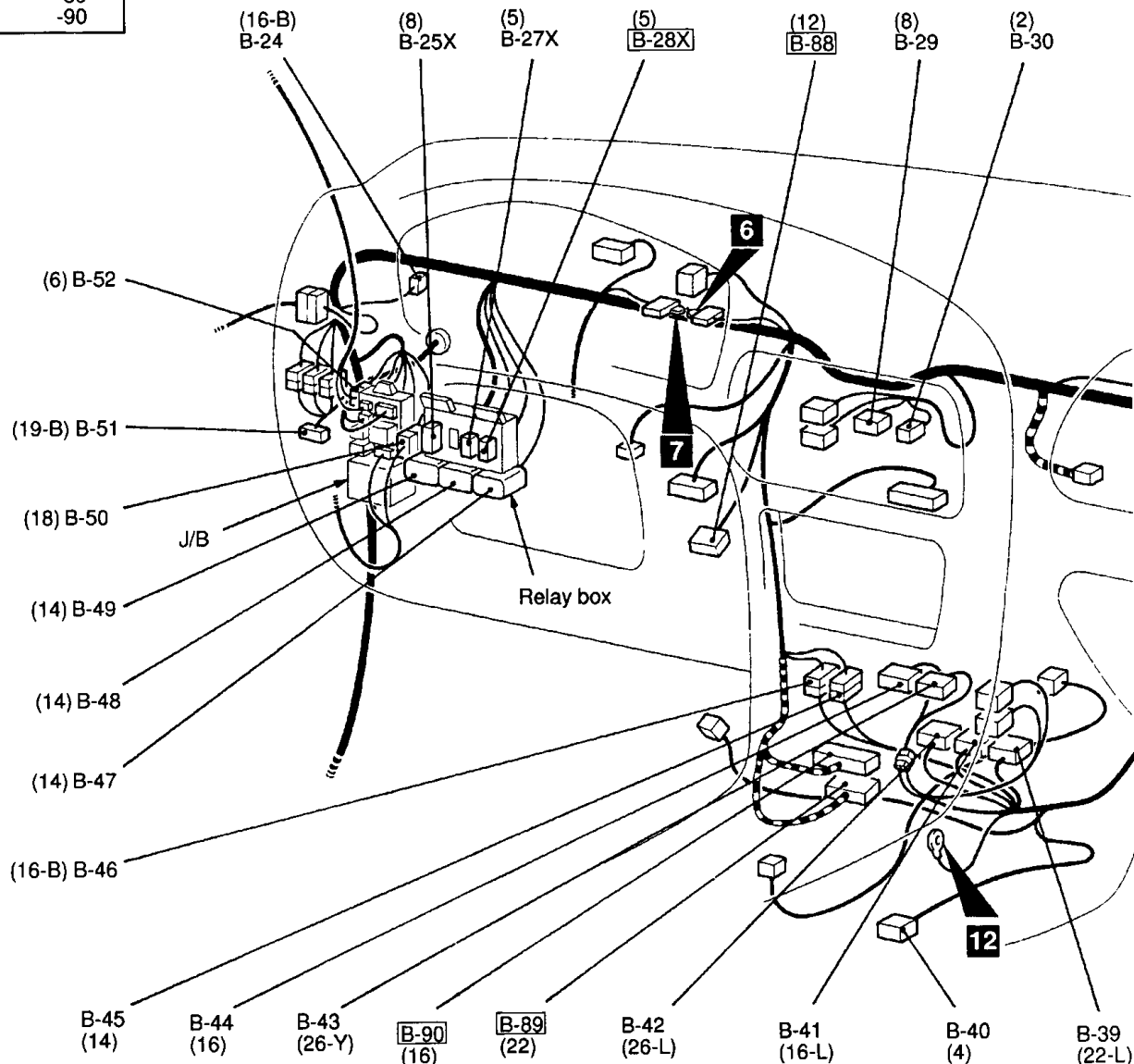
B-15 SRS-ECU <Vehicles without side air bag>
 B-16 A/T selector lever position illumination lamp
 B-17 Wide open throttle switch <A/T>
 B-18 Diagnosis connector
 B-19 Stop lamp switch
 B-20 Front wiring harness and body wiring harness combination

B-21 Front wiring harness and body wiring harness combination
 B-22 Front wiring harness and body wiring harness combination
 B-23 Front door wiring harness (driver's side) and body wiring harness combination

L.H. drive vehicles

Connector
symbol -24
thru
-52
-88
-89
-90

B

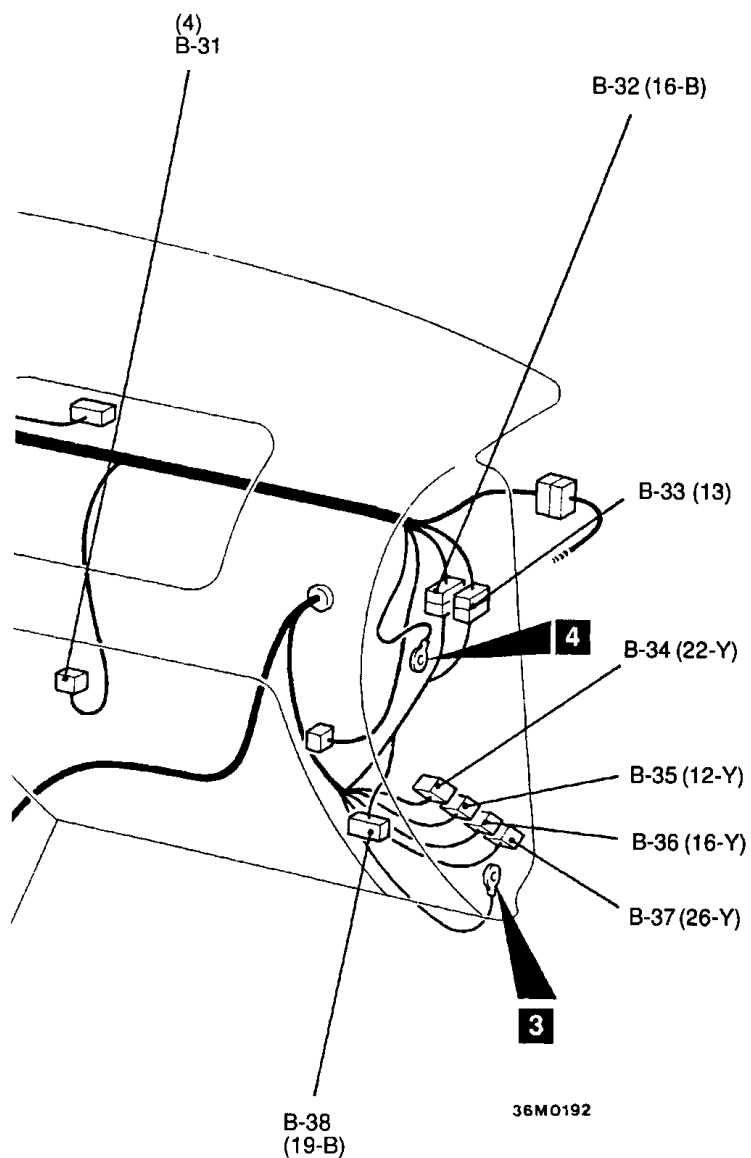


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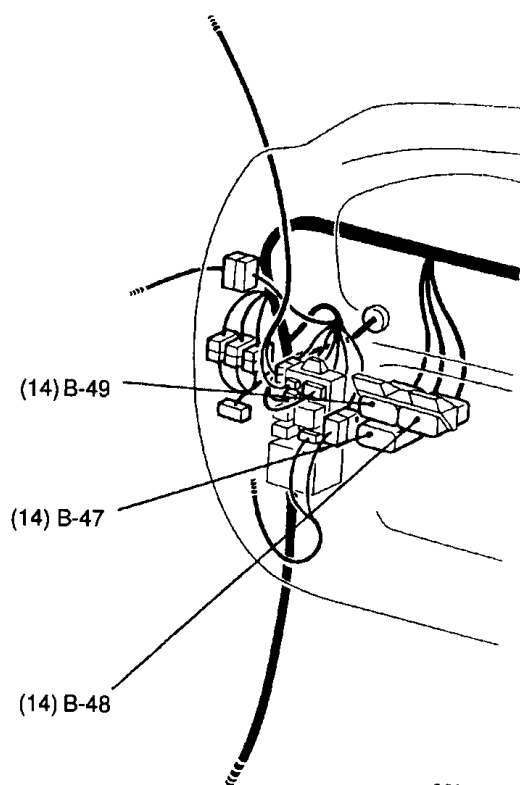
Connector numbers enclosed by a box are for connectors which have been newly added.

B-24 Immobilizer-ECU
B-25X Rear intermittent wiper relay
B-27X Power window relay
B-28X Front fog lamp relay
B-29 Blower switch
B-30 Blower control illumination lamp
B-31 Resistor
B-32 Control wiring harness and body wiring harness combination

B-33 Control wiring harness and body wiring harness combination
B-34 Engine ECU
B-35 Engine ECU
B-36 Engine ECU
B-37 Engine ECU
B-38 J/C (5)



<Without relay box in
passenger compartment>



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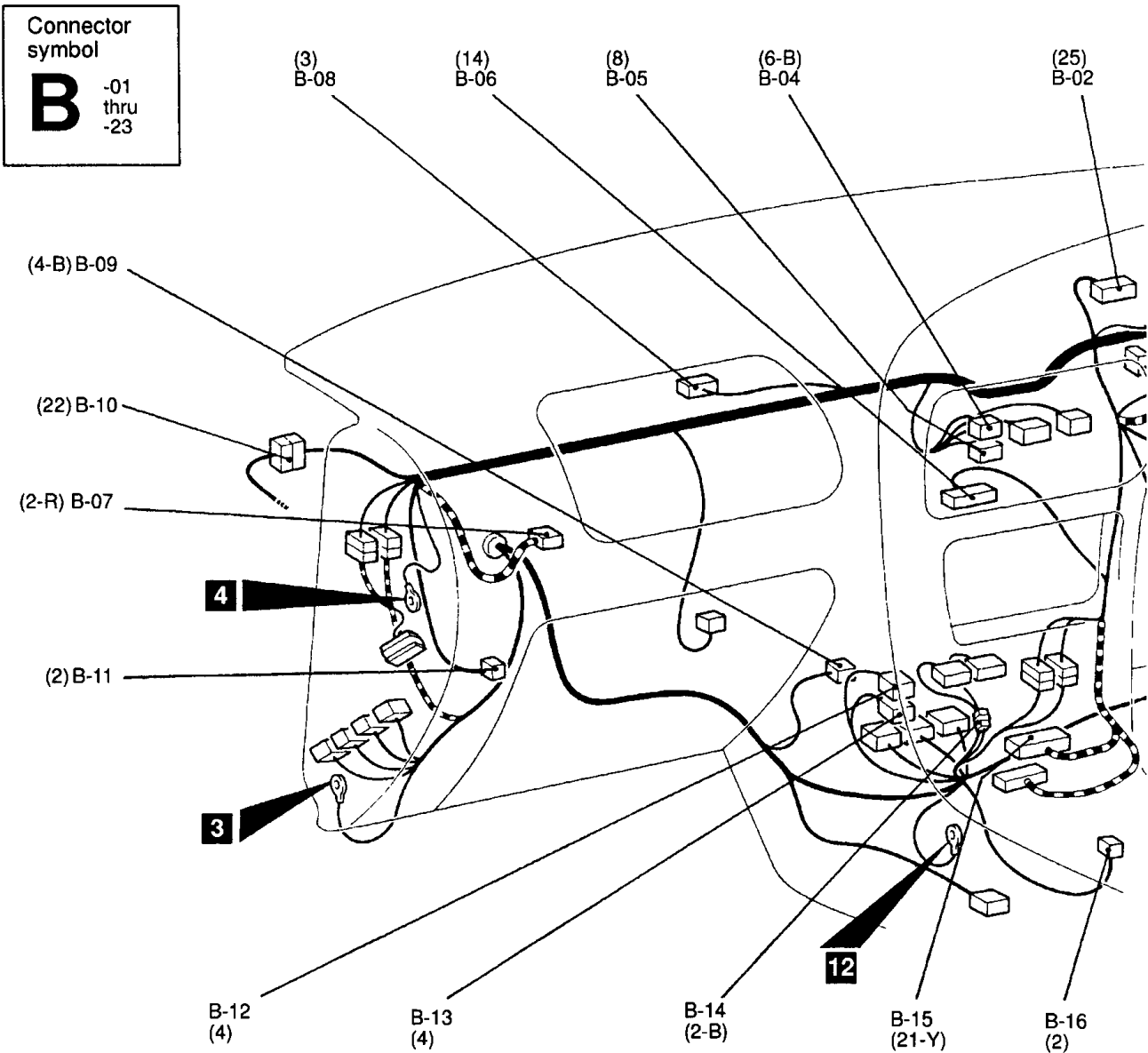
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- B-39 ELC-4A/T-ECU
- B-40 Oxygen sensor (rear) <4G13>
- B-41 ELC-4A/T-ECU
- B-42 ELC-4A/T-ECU
- B-43 ABS-ECU
- B-44 ABS-ECU
- B-45 Control wiring harness and body wiring harness combination <A/T>
- B-46 Control wiring harness and body wiring harness combination <ABS>
- B-47 J/C (4)

- B-48 J/C (3)
- B-49 J/C (2)
- B-50 Instrument panel wiring harness and body wiring harness combination
- B-51 J/C (1)
- B-52 Roof wiring harness and body wiring harness combination <Sunroof>
- B-88 Diagnosis connector
- B-89 SRS-ECU <Vehicles with side air bag>
- B-90 SRS-ECU <Vehicles with side air bag>

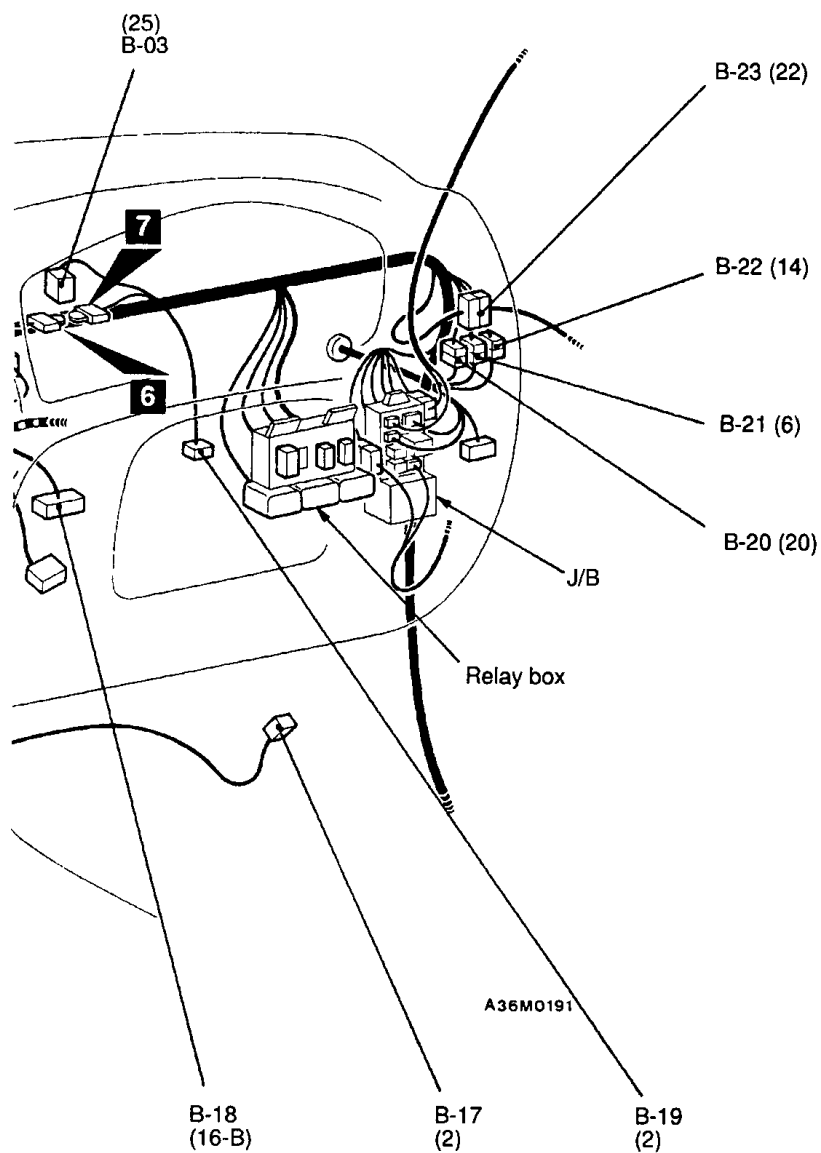
DASH PANEL

R.H. drive vehicles



B-02 Combination meter
 B-03 Combination meter
 B-04 Defogger switch
 B-05 A/C switch
 B-06 Radio and tape player
 B-07 Air bag module (squib) (passenger's side)
 B-08 Thermostat <A/C>

B-09 A/T relay
 B-10 Front door wiring harness (passenger's side) and body wiring harness combination
 B-11 Blower motor
 B-12 Fuel pump relay
 B-13 Engine control relay
 B-14 Diode (for ABS circuit)



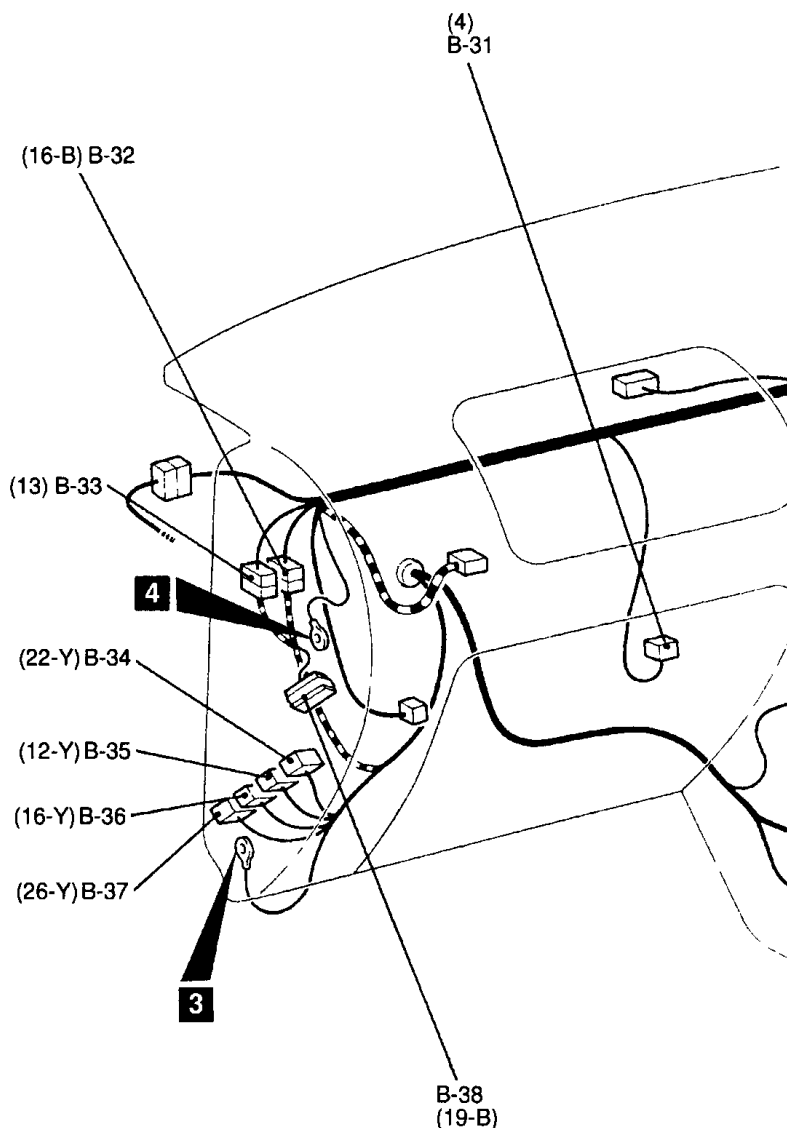
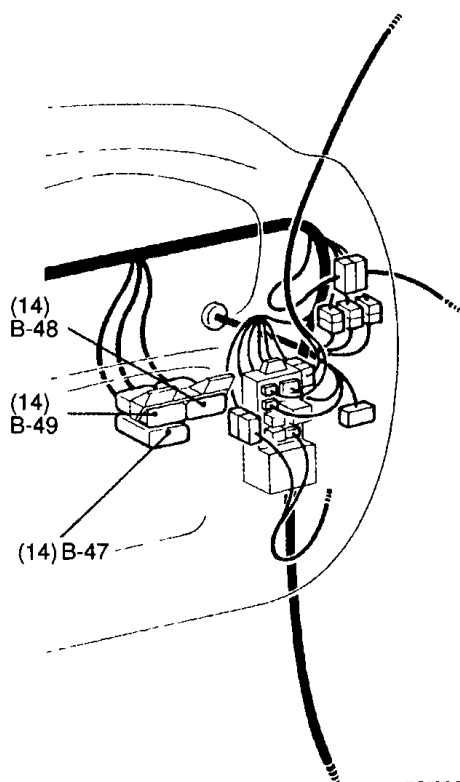
B-15 SRS-ECU <Vehicles without side air bag>
 B-16 A/T selector lever position illumination lamp
 B-17 Wide open throttle switch <A/T>
 B-18 Diagnosis connector
 B-19 Stop lamp switch
 B-20 Front wiring harness and body wiring harness combination

B-21 Front wiring harness and body wiring harness combination
 B-22 Front wiring harness and body wiring harness combination
 B-23 Front door wiring harness (driver's side) and body wiring harness combination

R.H. drive vehicles

Connector symbol	-24 thru -52 -88 -89 -90
B	

<Without relay box in
passenger compartment>

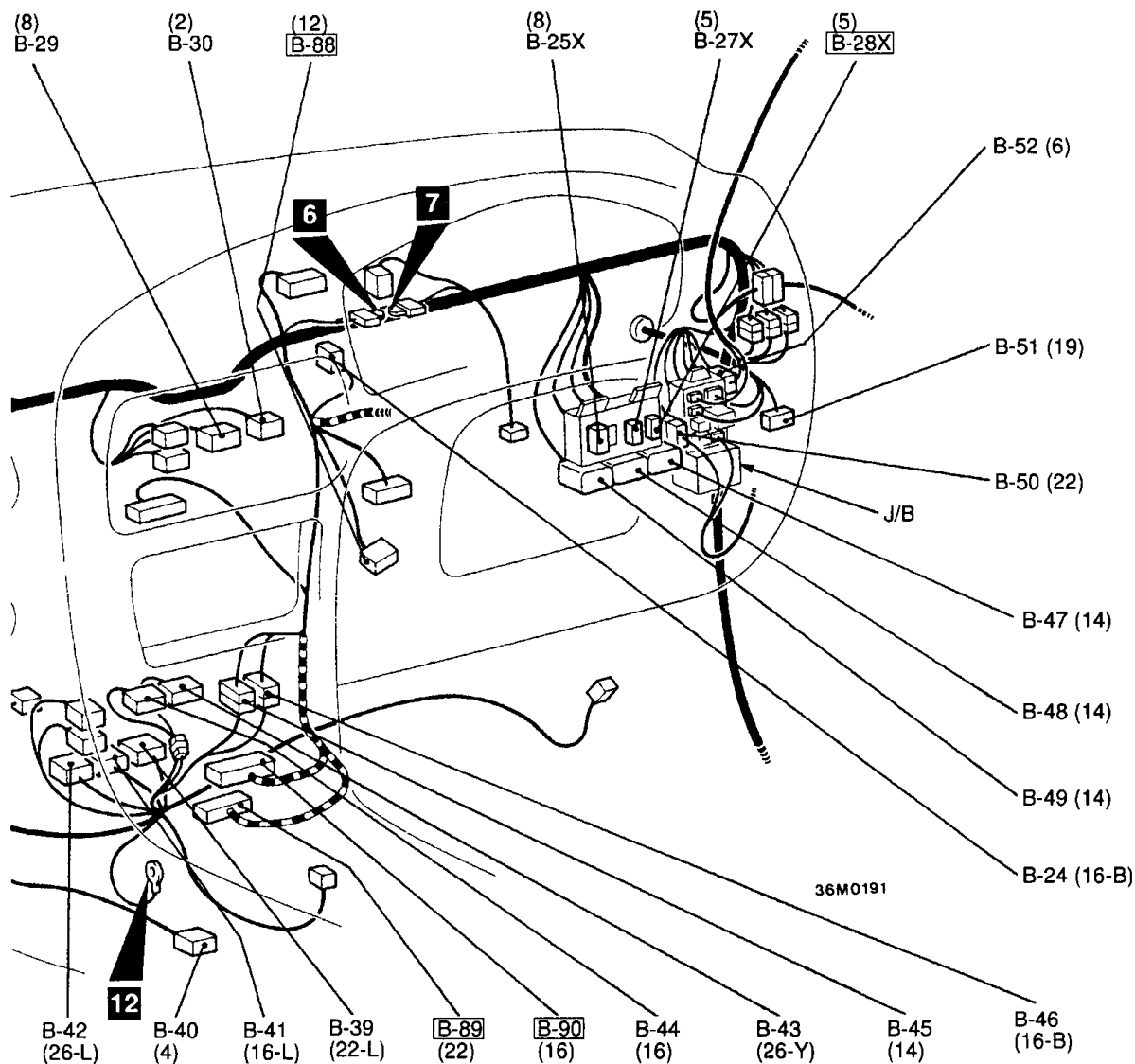


36M0043

Remark

Connector numbers enclosed by a box are for connectors which have been newly added.

B-24	Immobilizer-ECU	B-33	Control wiring harness and body wiring harness combination
B-25X	Rear intermittent wiper relay	B-34	Engine ECU
B-27X	Power window relay	B-35	Engine ECU
B-28X	Front fog lamp relay	B-36	Engine ECU
B-29	Blower switch	B-37	Engine ECU
B-30	Blower control illumination lamp	B-38	J/C (5)
B-31	Resistor		
B-32	Control wiring harness and body wiring harness combination		

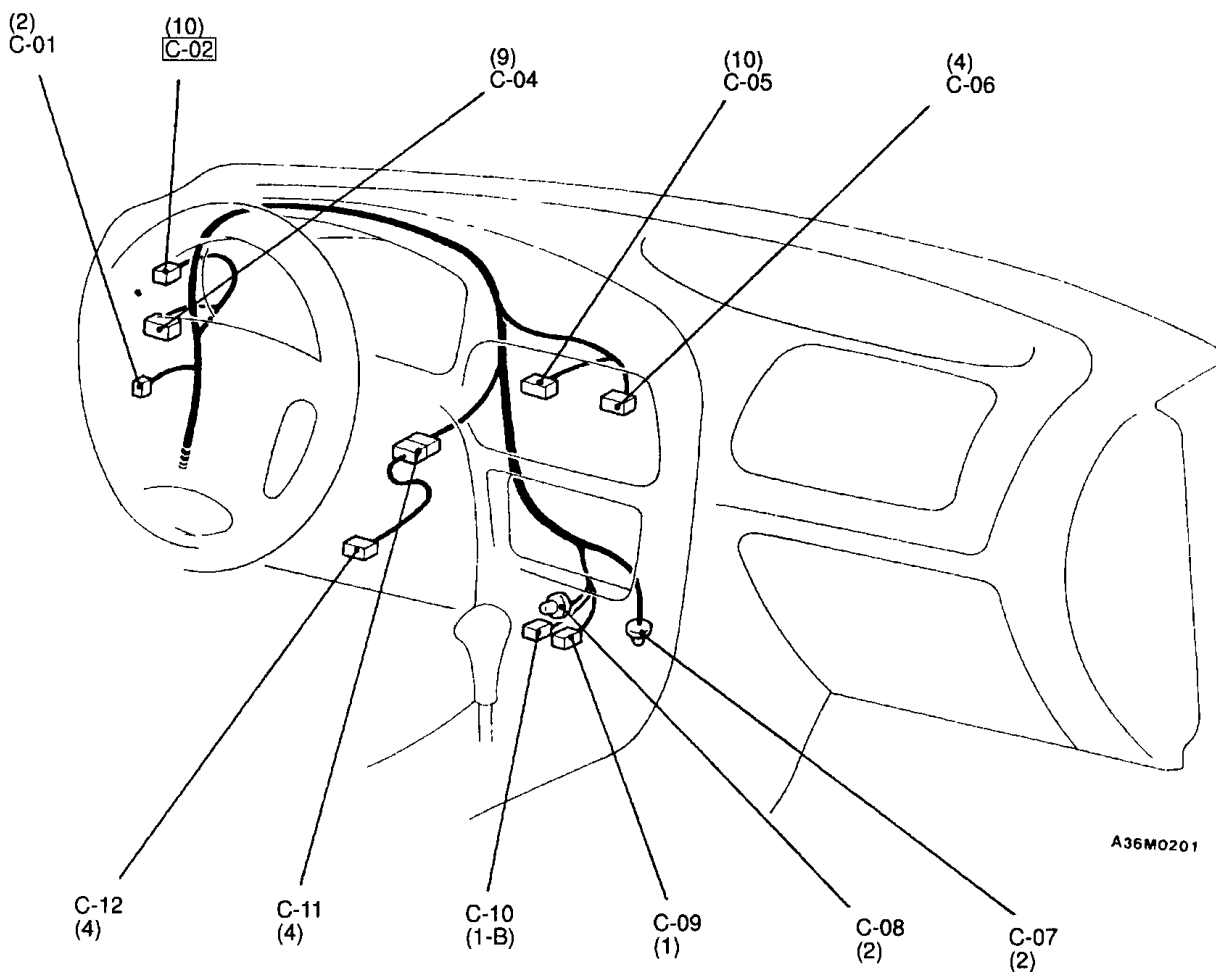
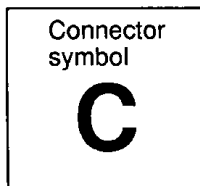


B-39 ELC-4A/T-ECU
 B-40 Oxygen sensor (rear) <4G13>
 B-41 ELC-4A/T-ECU
 B-42 ELC-4A/T-ECU
 B-43 ABS-ECU
 B-44 ABS-ECU
 B-45 Control wiring harness and body wiring harness combination <A/T>
 B-46 Control wiring harness and body wiring harness combination <ABS>
 B-47 J/C (4)

B-48 J/C (3)
 B-49 J/C (2)
 B-50 Instrument panel wiring harness and body wiring harness combination
 B-51 J/C (1)
 B-52 Roof wiring harness and body wiring harness combination <Sunroof>
 B-88 Diagnosis connector
 B-89 SRS-ECU <Vehicles with side air bag>
 B-90 SRS-ECU <Vehicles with side air bag>

INSTRUMENT PANEL

L.H. drive vehicles



A36M0201

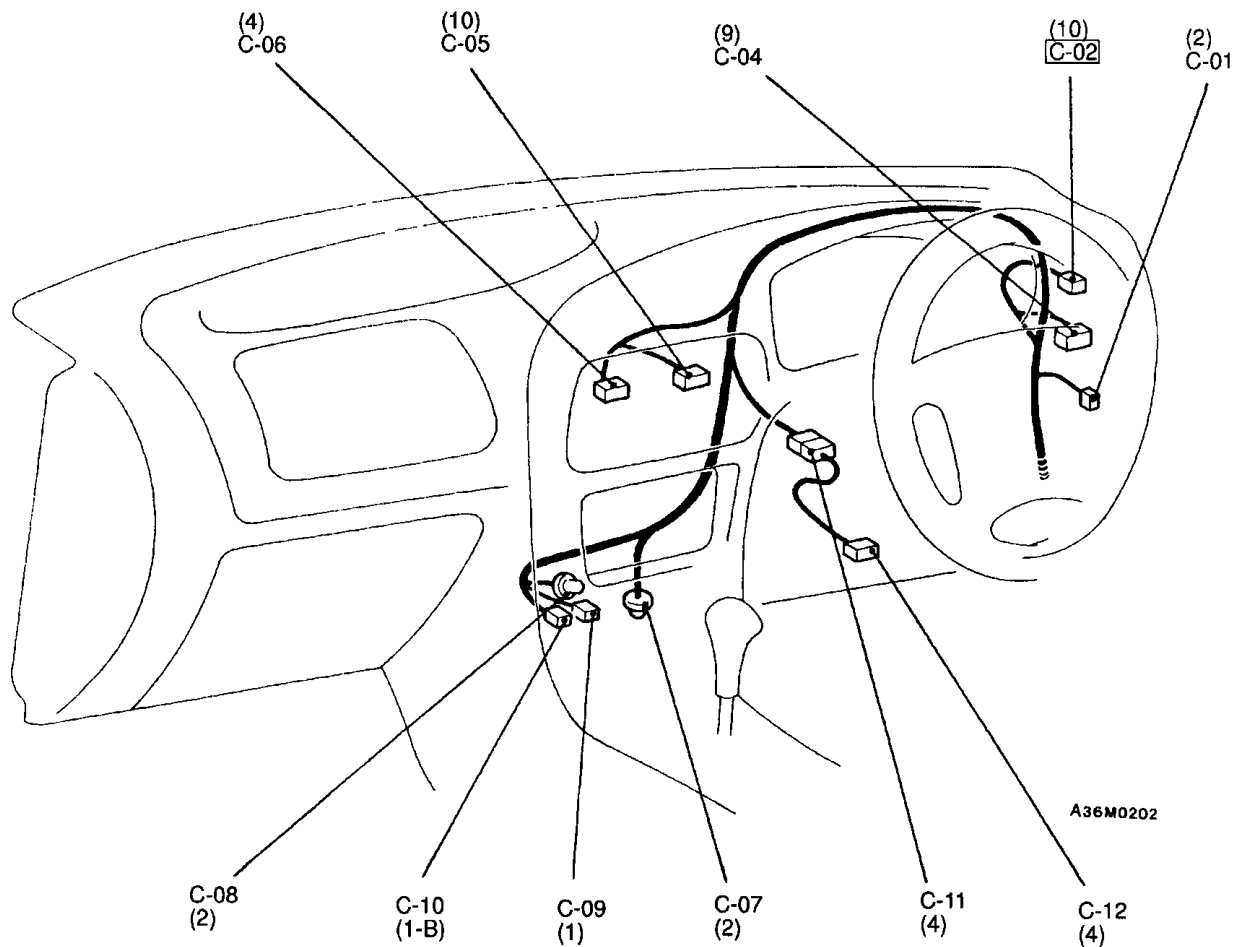
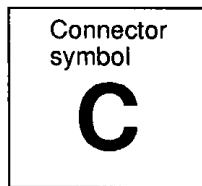
Remark

Connector numbers enclosed by a box means connectors of which poles have been changed.

C-01	Rheostat	C-09	Cigarette lighter
C-02	Fog lamp switch	C-10	Cigarette lighter
C-04	Remote controlled mirror switch	C-11	Headlamp leveling sub wiring harness and instrument panel wiring harness combination <Sedan>
C-05	Hazard warning switch	C-12	Headlamp leveling switch
C-06	Clock		
C-07	Ashtray illumination lamp		
C-08	Cigarette lighter illumination lamp		

INSTRUMENT PANEL

R.H. drive vehicles



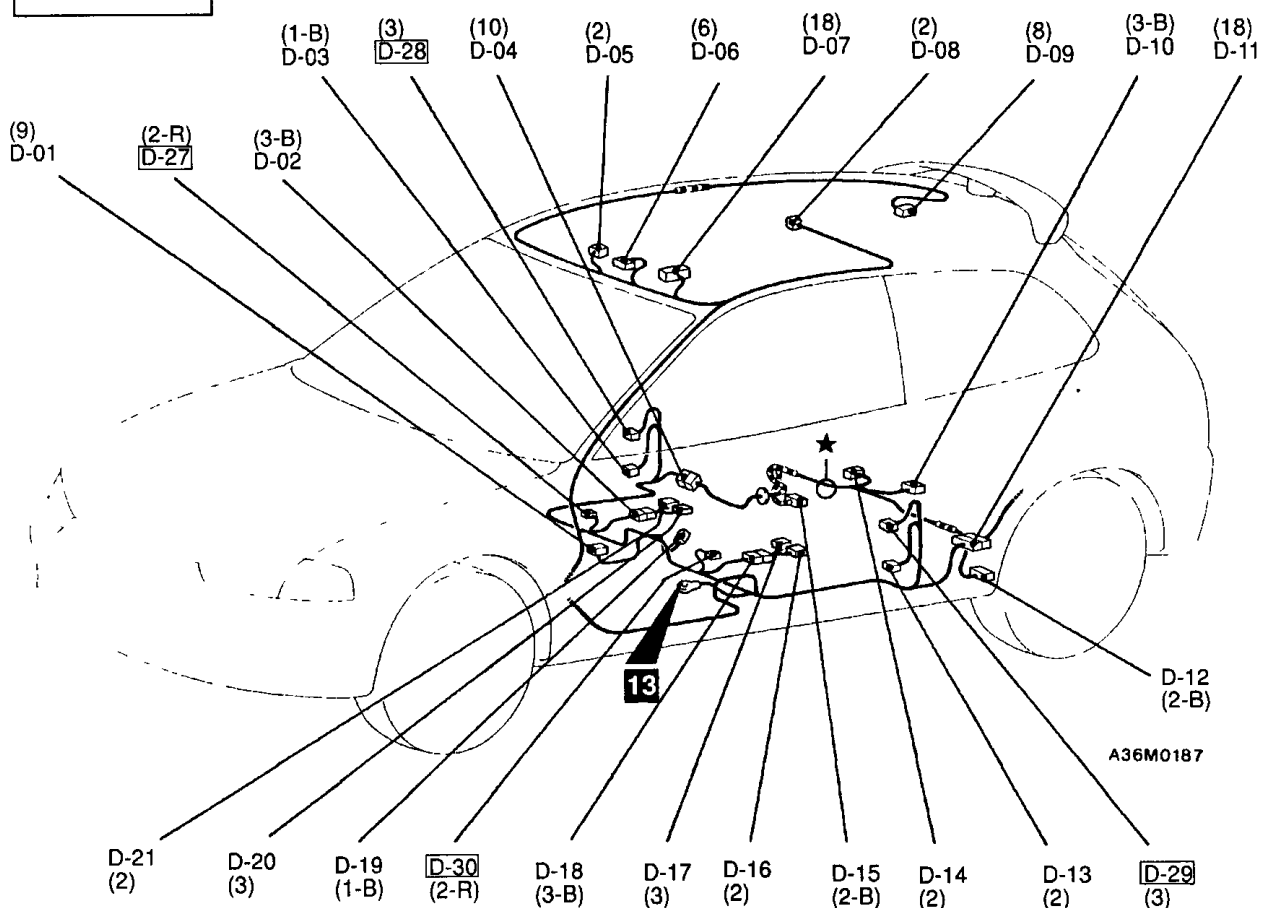
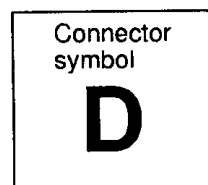
Remark

Connector numbers enclosed by a box means connectors of which poles have been changed.

C-01	Rheostat	C-09	Cigarette lighter
C-02	Fog lamp switch	C-10	Cigarette lighter
C-04	Remote controlled mirror switch	C-11	Headlamp leveling sub wiring harness and instrument panel wiring harness combination <Sedan>
C-05	Hazard warning switch	C-12	Headlamp leveling switch
C-06	Clock		
C-07	Ashtray illumination lamp		
C-08	Cigarette lighter illumination lamp		

FLOOR AND ROOF

Hatchback <L.H. drive vehicles>



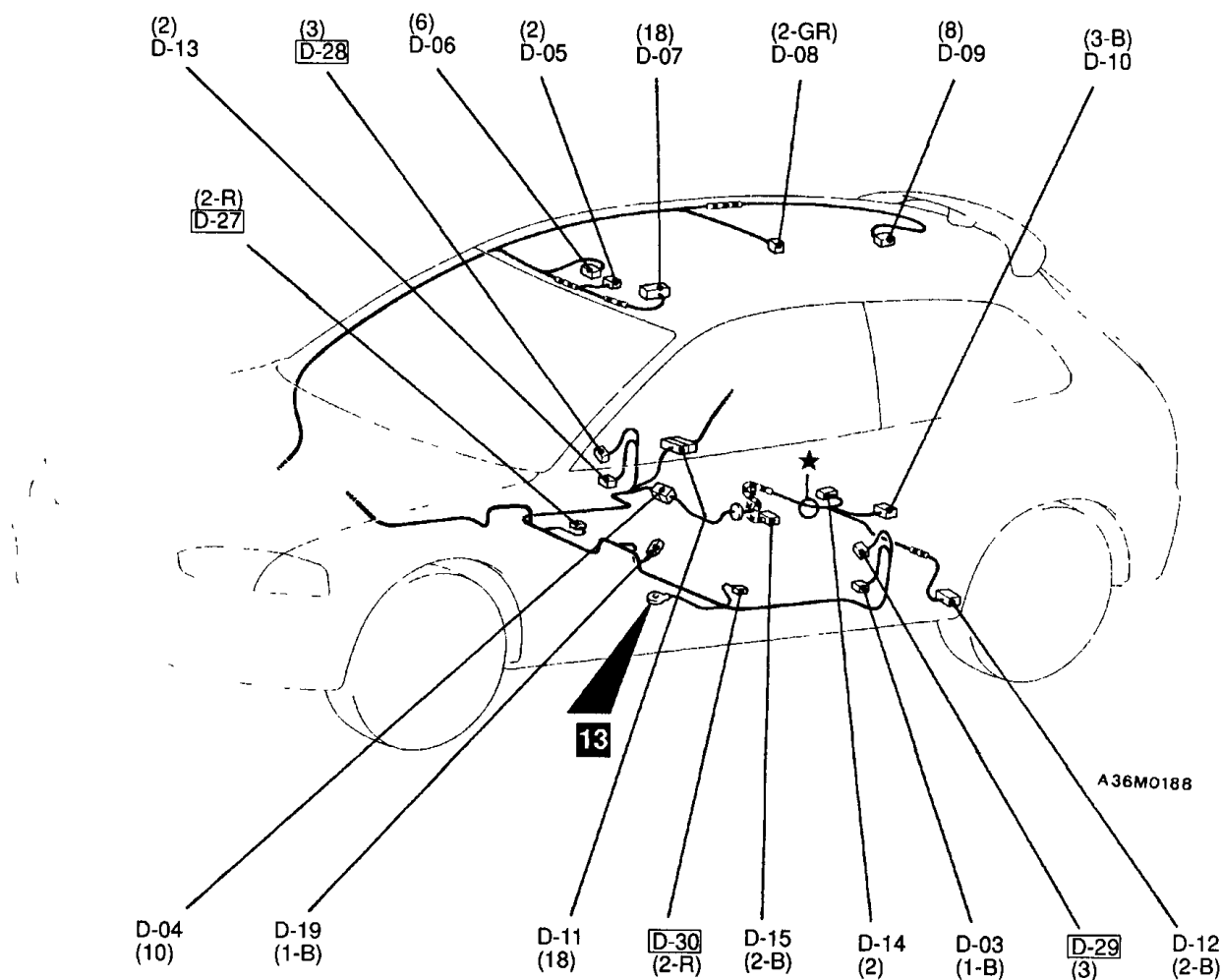
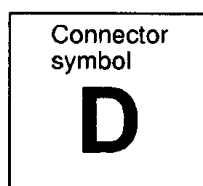
Remark

Connector numbers enclosed by a box are for connectors which have been newly added.

D-01	Heated seat switch	D-13	Front door switch (driver's side)
D-02	Body wiring harness and heated seat wiring harness (RH) combination	D-14	Fuel pump
D-03	Front door switch (passenger's side)	D-15	Wheel speed sensor (rear:RH) <ABS>
D-04	Fuel pump wiring harness and body wiring harness combination	D-16	Seat back heater (LH)
D-05	Room lamp <with sunroof>	D-17	Seat cushion heater (LH)
D-06	Sunroof switch	D-18	Body wiring harness and heated seat wiring harness (LH) combination
D-07	Sunroof-ECU	D-19	Parking brake switch
D-08	Room lamp <without sunroof>	D-20	Seat cushion heater (RH)
D-09	Sunroof motor	D-21	Seat back heater (RH)
D-10	Fuel gauge unit	D-27	Side air bag module (squib) (RH)
D-11	Rear wiring harness and body wiring harness combination	D-28	Side impact sensor (RH)
D-12	Wheel speed sensor (rear:LH) <ABS>	D-29	Side impact sensor (LH)
		D-30	Side air bag module (squib) (LH)

FLOOR AND ROOF

Hatchback <R.H. drive vehicles>



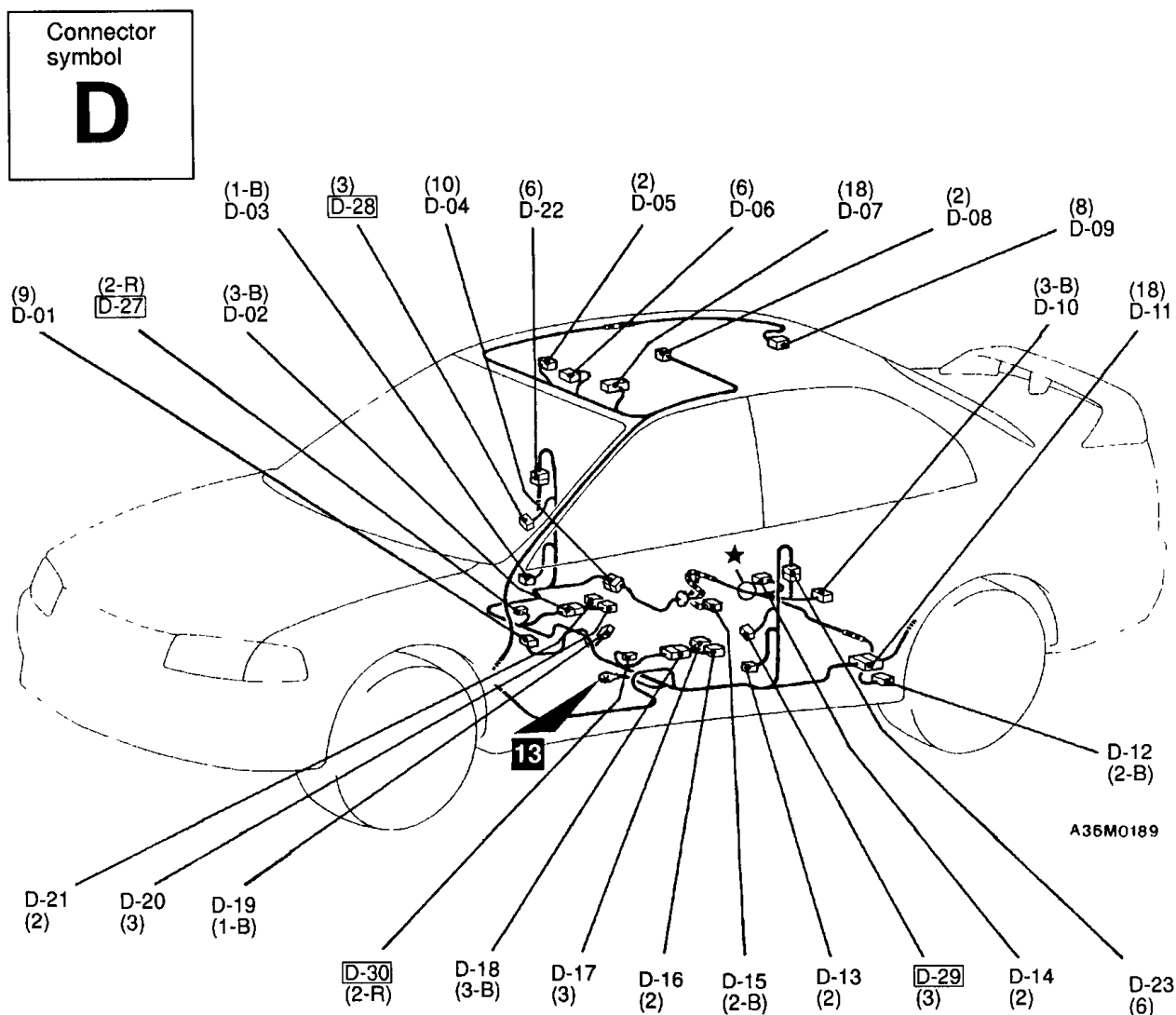
Remark

Connector numbers in boxes are for connectors which have been newly added.

D-03	Front door switch (passenger's side)	D-12	Wheel speed sensor (rear:LH) <ABS>
D-04	Fuel pump wiring harness and body wiring harness combination	D-13	Front door switch (driver's side)
D-05	Room lamp <with sunroof>	D-14	Fuel pump
D-06	Sunroof switch	D-15	Wheel speed sensor (rear:RH) <ABS>
D-07	Sunroof-ECU	D-19	Parking brake switch
D-08	Room lamp <without sunroof>	D-27	Side air bag module (squib) (RH)
D-09	Sunroof motor	D-28	Side impact sensor (RH)
D-10	Fuel gauge unit	D-29	Side impact sensor (LH)
D-11	Rear wiring harness and body wiring harness combination	D-30	Side air bag module (squib) (LH)

FLOOR AND ROOF

Sedan <L.H. drive vehicles>



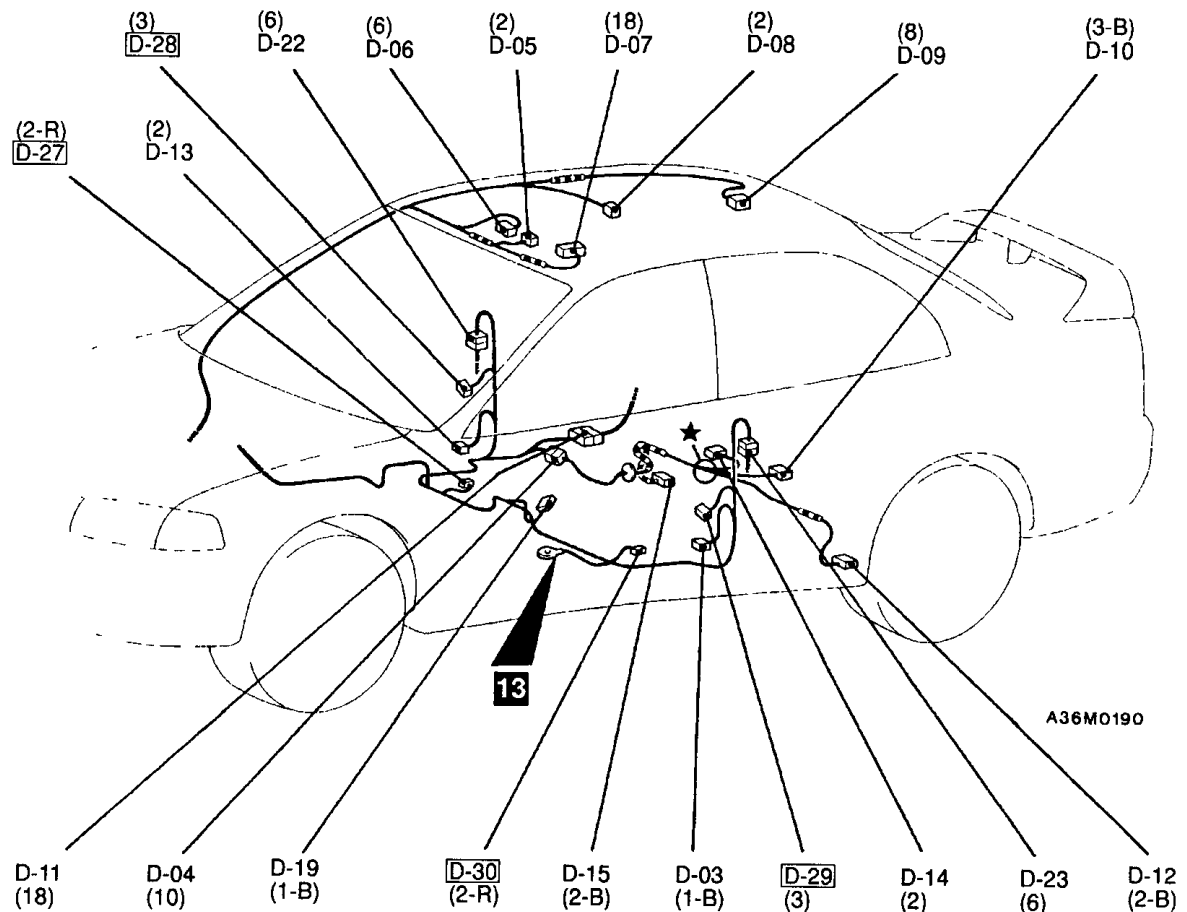
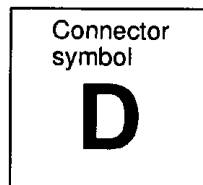
Remark

Connector numbers enclosed by a box are for connectors which have been newly added.

D-01	Heated seat switch	D-15	Wheel speed sensor (rear:RH) <ABS>
D-02	Body wiring harness and heated seat wiring harness (RH) combination	D-16	Seat back heater (LH)
D-03	Front door switch (passenger's side)	D-17	Seat cushion heater (LH)
D-04	Fuel pump wiring harness and body wiring harness combination	D-18	Body wiring harness and heated seat wiring harness (LH) combination
D-05	Room lamp <with sunroof>	D-19	Parking brake switch
D-06	Sunroof switch	D-20	Seat cushion heater (RH)
D-07	Sunroof-ECU	D-21	Seat back heater (RH)
D-08	Room lamp <without sunroof>	D-22	Rear door wiring harness (RH) and body wiring harness combination
D-09	Sunroof motor	D-23	Rear door wiring harness (LH) and body wiring harness combination
D-10	Fuel gauge unit	D-27	Side air bag module (squib) (RH)
D-11	Rear wiring harness and body wiring harness combination	D-28	Side impact sensor (RH)
D-12	Wheel speed sensor (rear:LH) <ABS>	D-29	Side impact sensor (LH)
D-13	Front door switch (driver's side)	D-30	Side air bag module (squib) (LH)
D-14	Fuel pump		

FLOOR AND ROOF

Sedan <R.H. drive vehicles>



Remark

Connector numbers enclosed by a box are for connectors which have been newly added.

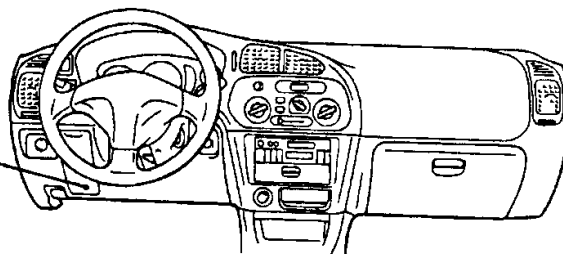
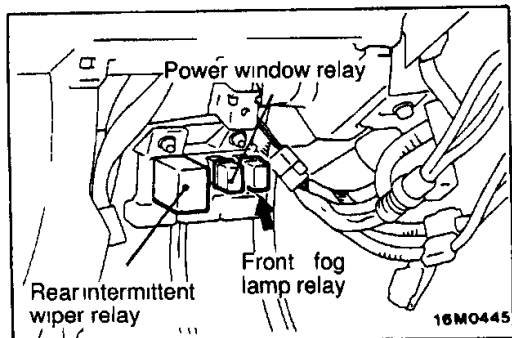
D-03	Front door switch (passenger's side)	D-13	Front door switch (driver's side)
D-04	Fuel pump wiring harness and body wiring harness combination	D-14	Fuel pump
D-05	Room lamp <with sunroof>	D-15	Wheel speed sensor (rear:RH) <ABS>
D-06	Sunroof switch	D-19	Parking brake switch
D-07	Sunroof-ECU	D-22	Rear door wiring harness (RH) and body wiring harness combination
D-08	Room lamp <without sunroof>	D-23	Rear door wiring harness (LH) and body wiring harness combination
D-09	Sunroof motor	D-27	Side air bag module (squib) (RH)
D-10	Fuel gauge unit	D-28	Side impact sensor (RH)
D-11	Rear wiring harness and body wiring harness combination	D-29	Side impact sensor (LH)
D-12	Wheel speed sensor (rear:LH) <ABS>	D-30	Side air bag module (squib) (LH)

SINGLE PART INSTALLATION POSITION

CONTENTS

RELAY	3-2	SENSOR	3-2
-------------	-----	--------------	-----

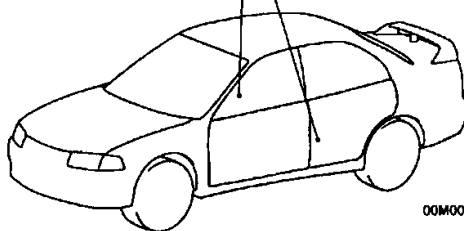
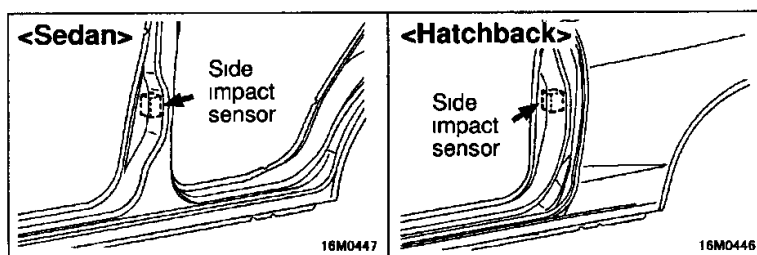
RELAY



16M0259

00007511

SENSOR



00M0011

00007633

CIRCUIT DIAGRAM

CONTENTS

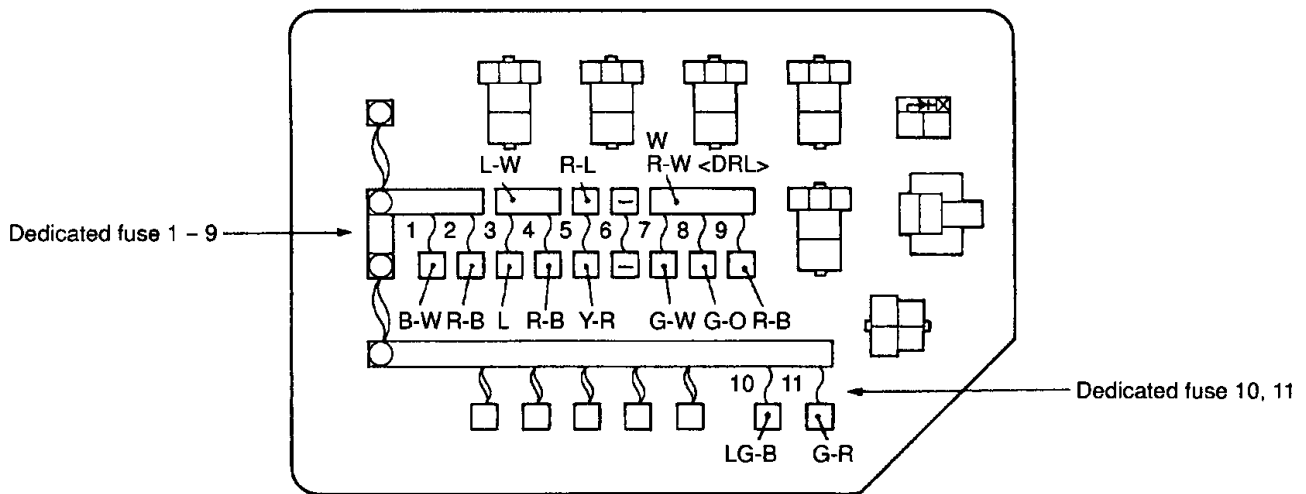
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Vehicles without daytime running lamp ...	4-10	
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4G13 <R.H. drive vehicles>	4-24	
4G92 <L.H. drive vehicles>	4-32	
4G92 <R.H. drive vehicles>	4-40	
ELC 4-SPEED AUTOMATIC TRANSMISSION		
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		4-88
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		4-92
		CENTRAL DOOR LOCKING SYSTEM
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		4-98
		ANTI-SKID BRAKING SYSTEM (ABS)
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		4-114
		Vehicles with side air bag
		4-116

NOTES

CENTRALIZED JUNCTION**DEDICATED FUSE**

Power supply circuit	No.	Rated capacity (A)	Housing Colour	Circuit
Tail lamp relay <with DRL>, Lighting switch <without DRL> (Fusible link No. 4)	9	20	Yellow	Front fog lamp and rear fog lamp

(Relay box in engine compartment)

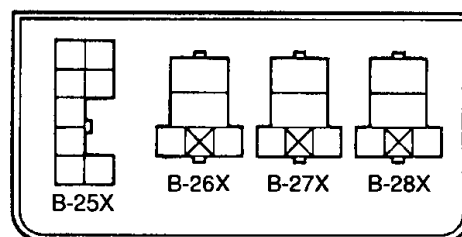


B16M0141

CENTRALIZED RELAY

(Relay box in passenger compartment)

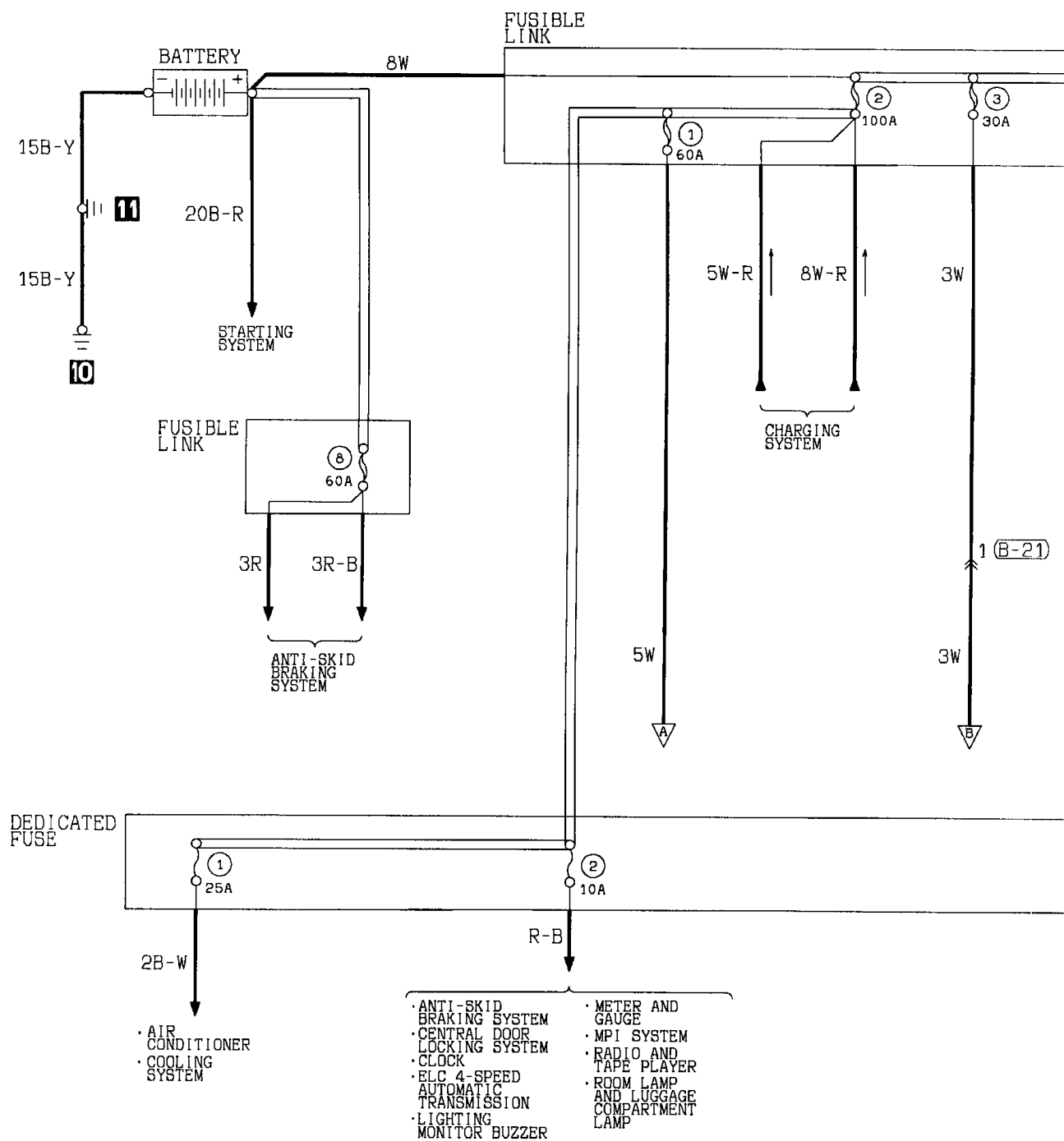
Connector No.	Name
B-28X	Front fog lamp relay



16M0143

POWER DISTRIBUTION SYSTEM

Vehicles with daytime running lamp

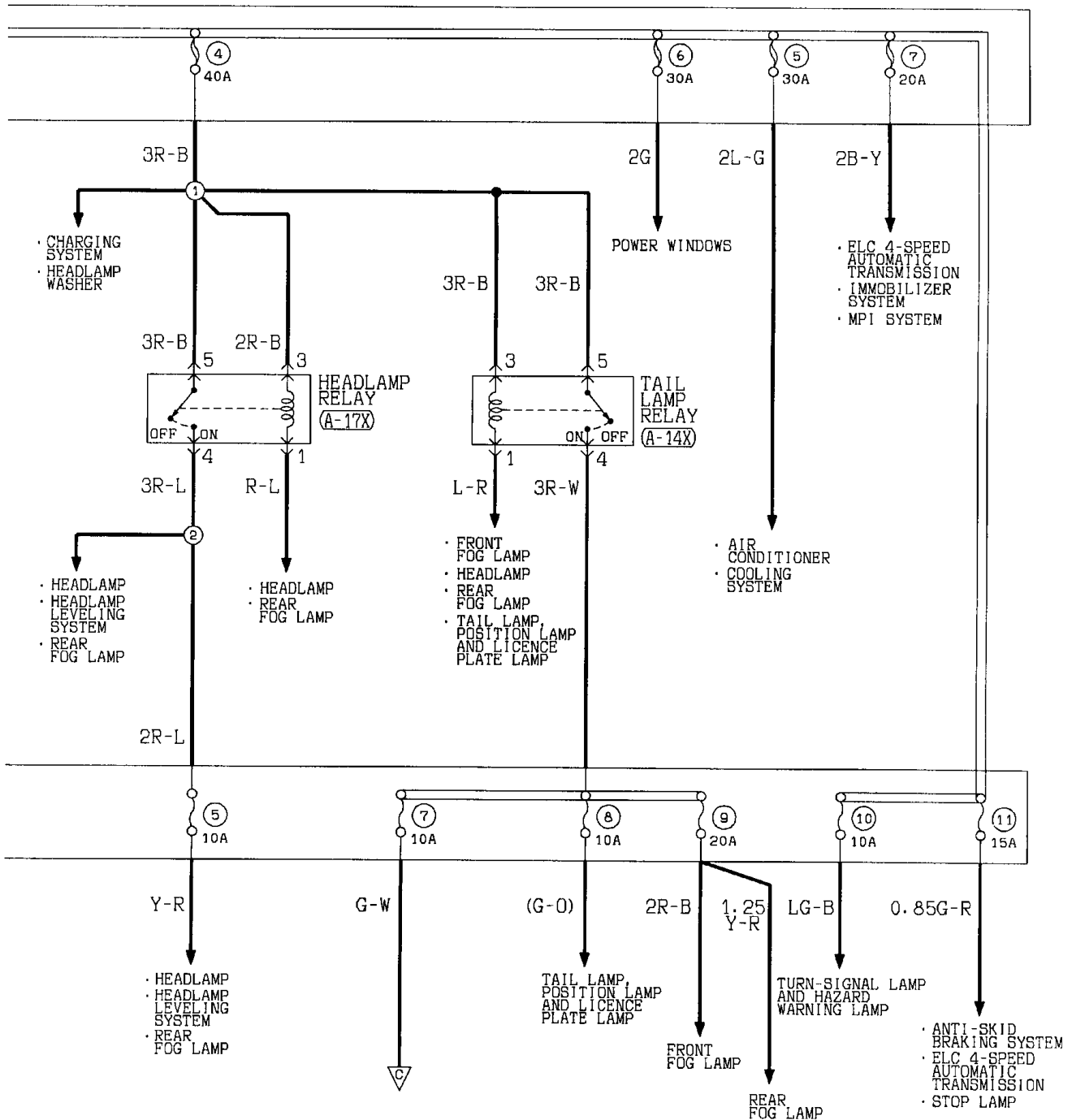


(A-14X)

(A-17X)

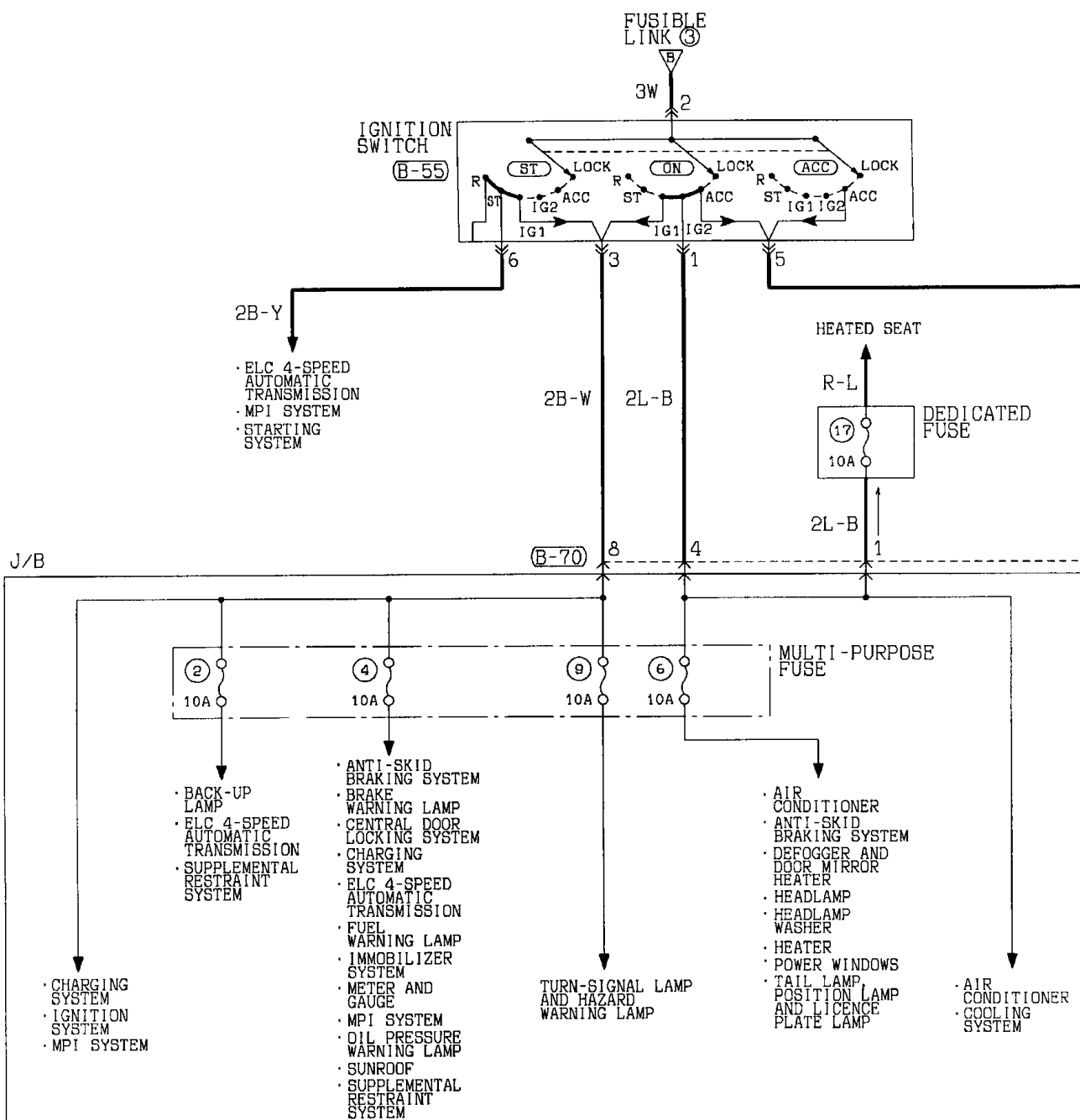
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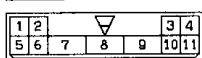
POWER DISTRIBUTION SYSTEM

Vehicles with daytime running lamp (CONTINUED)



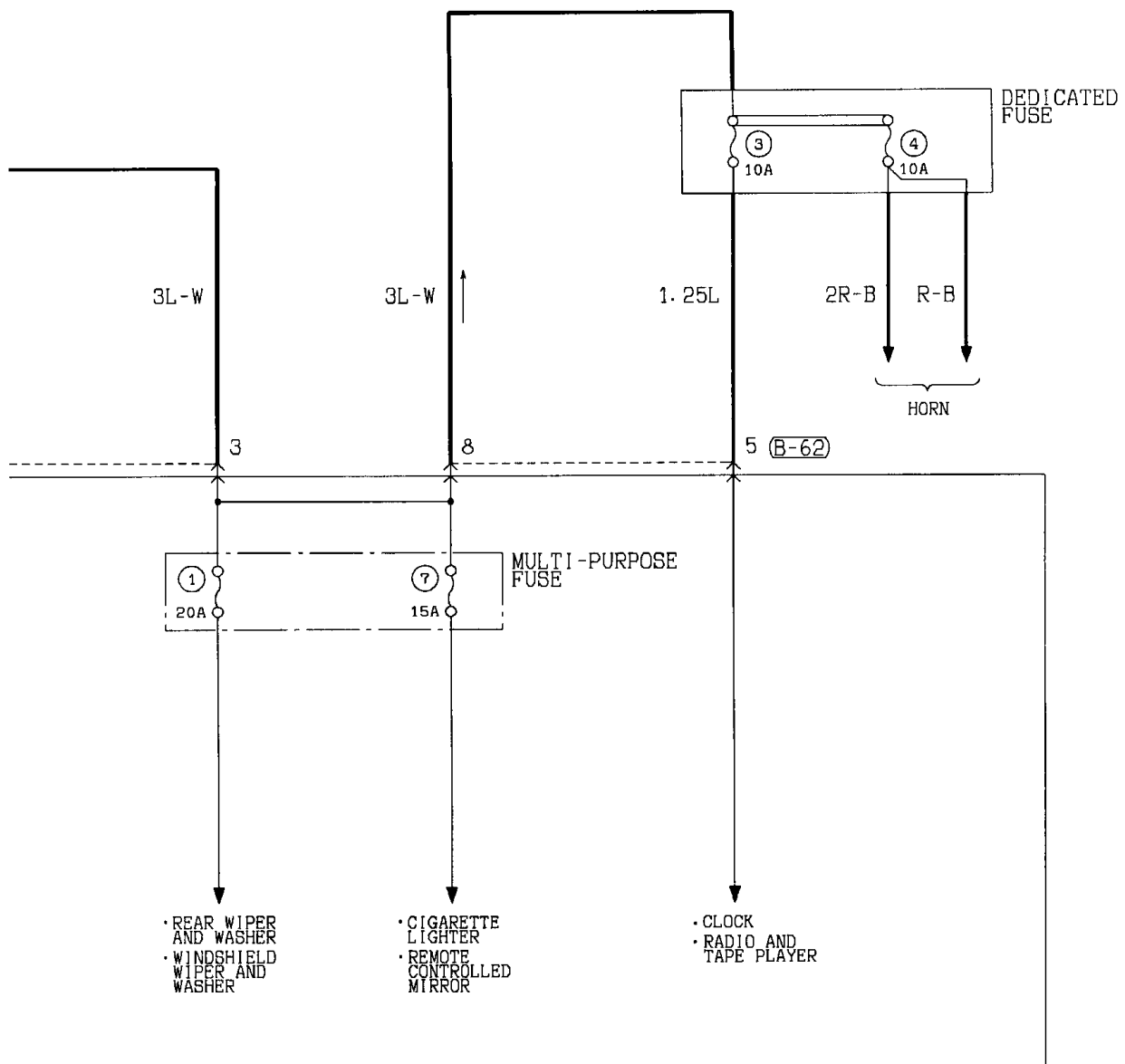
REMARK
THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE IGNITION KEY POSITION "ACC", "ON" AND "ST" COMBINED. BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE IGNITION KEY POSITION.

(B-55) (B-62)



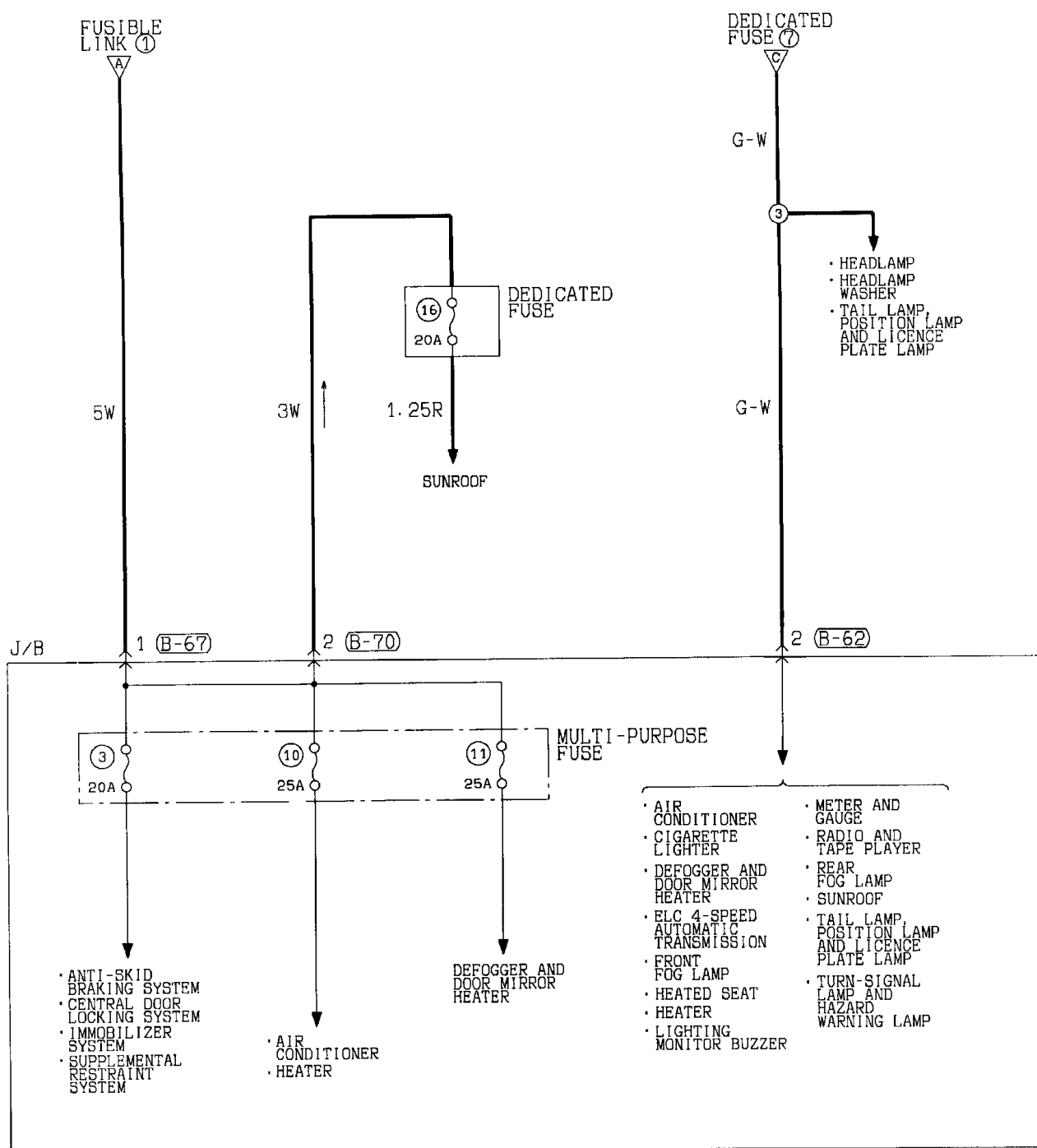
(B-70)





POWER DISTRIBUTION SYSTEM

Vehicles with daytime running lamp (CONTINUED)



(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-67)

1

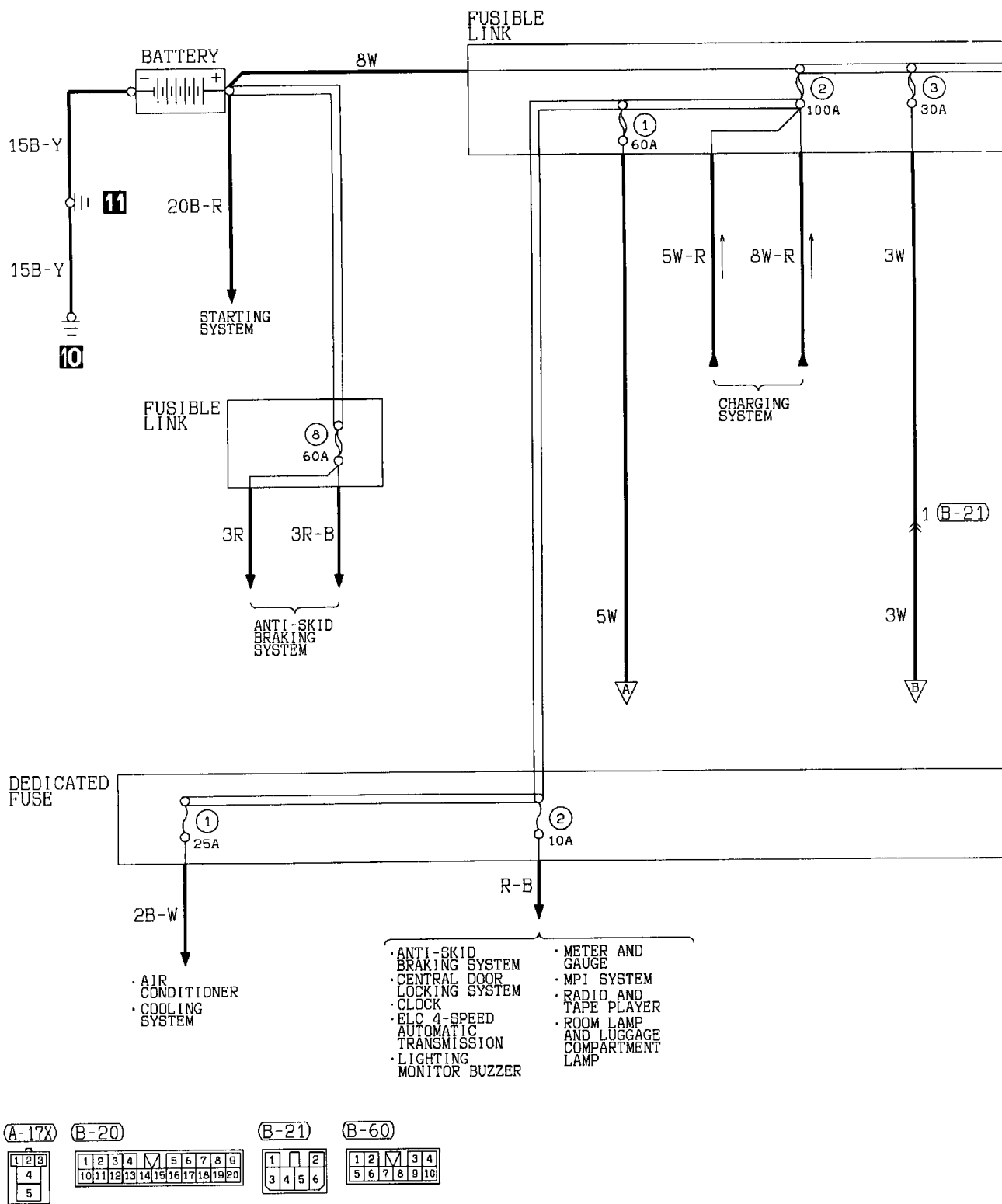
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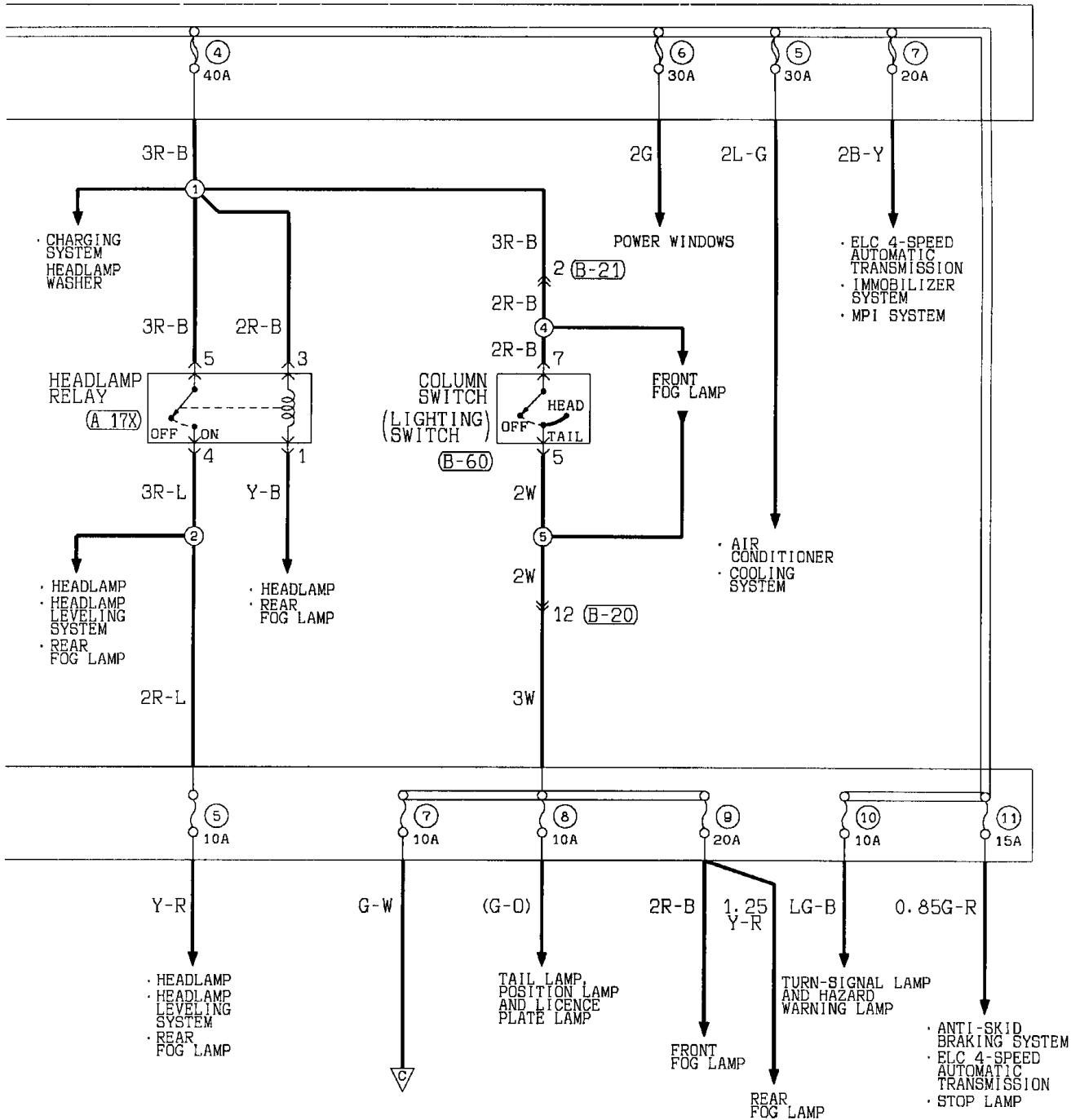
1	2	3	4
5	6	7	8

NOTES

POWER DISTRIBUTION SYSTEM

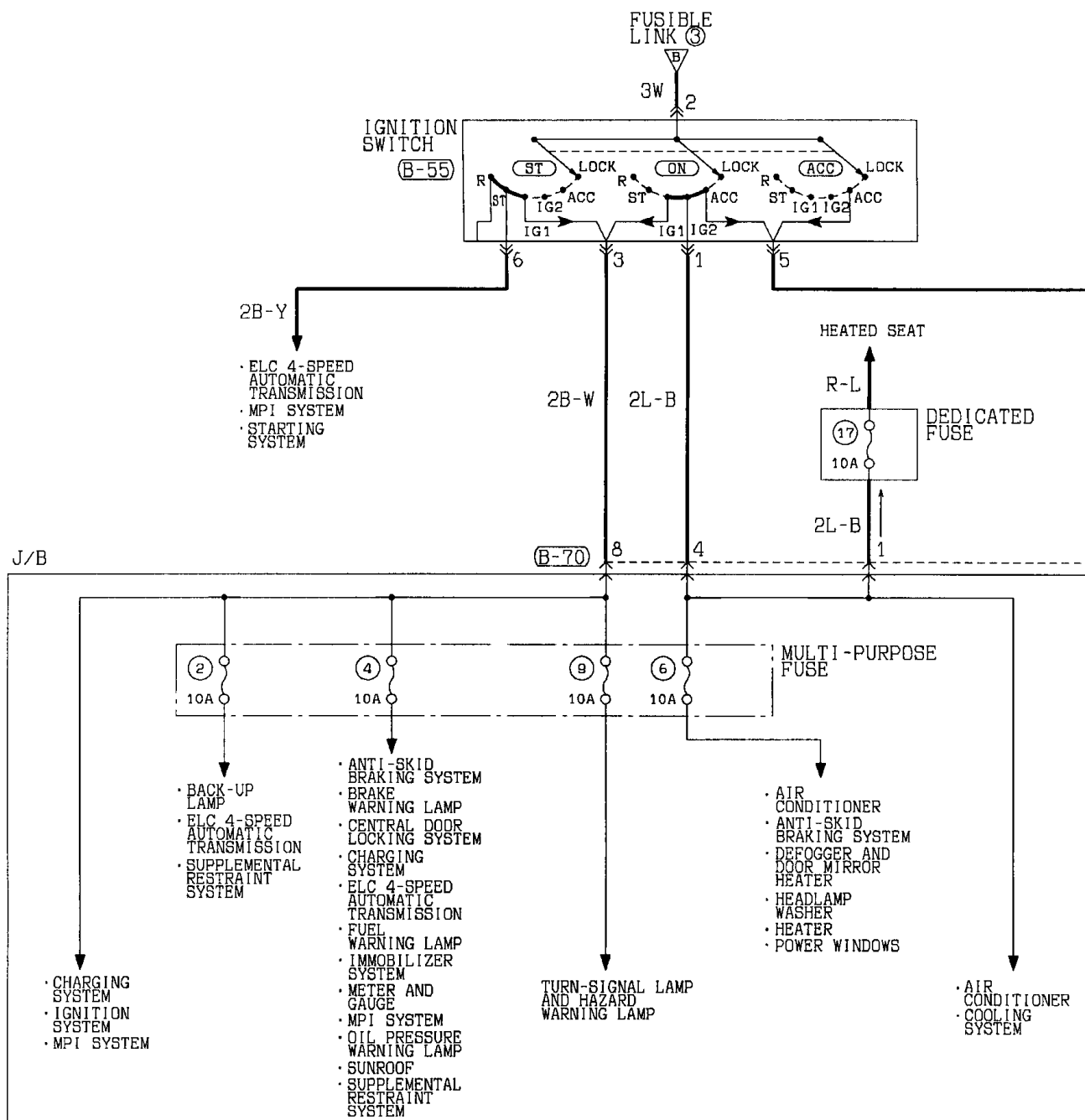
Vehicles without daytime running lamp





POWER DISTRIBUTION SYSTEM

Vehicles without daytime running lamp (CONTINUED)

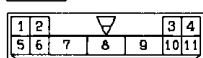


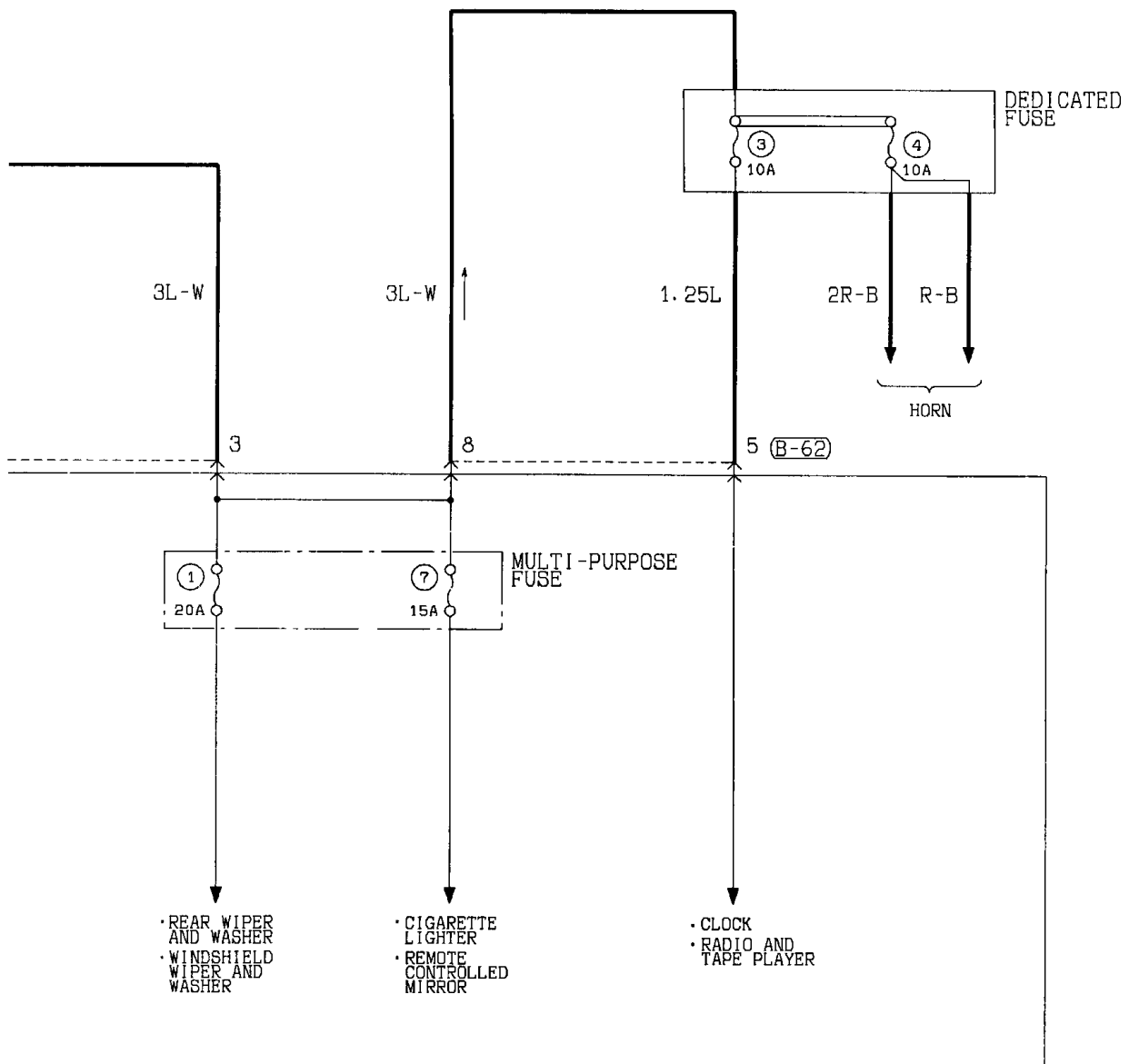
REMARK
THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE IGNITION KEY POSITION "ACC", "ON" AND "ST" COMBINED. BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE IGNITION KEY POSITION.

(B-55)

(B-62)

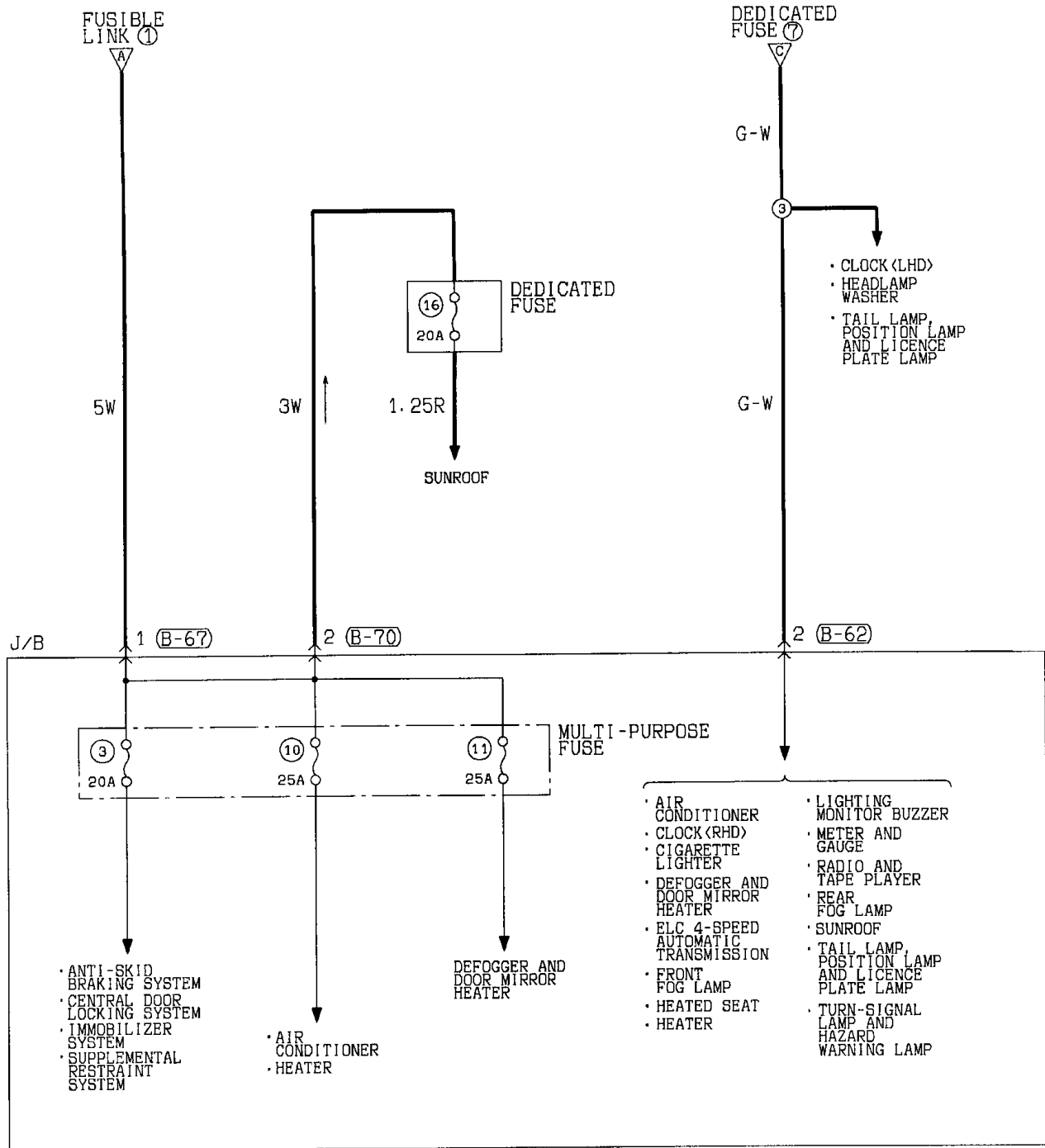
(B-70)





POWER DISTRIBUTION SYSTEM

Vehicles without daytime running lamp (CONTINUED)



(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-67)

1

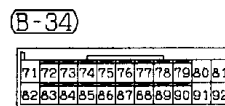
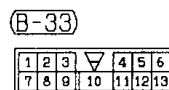
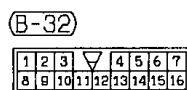
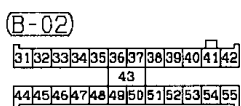
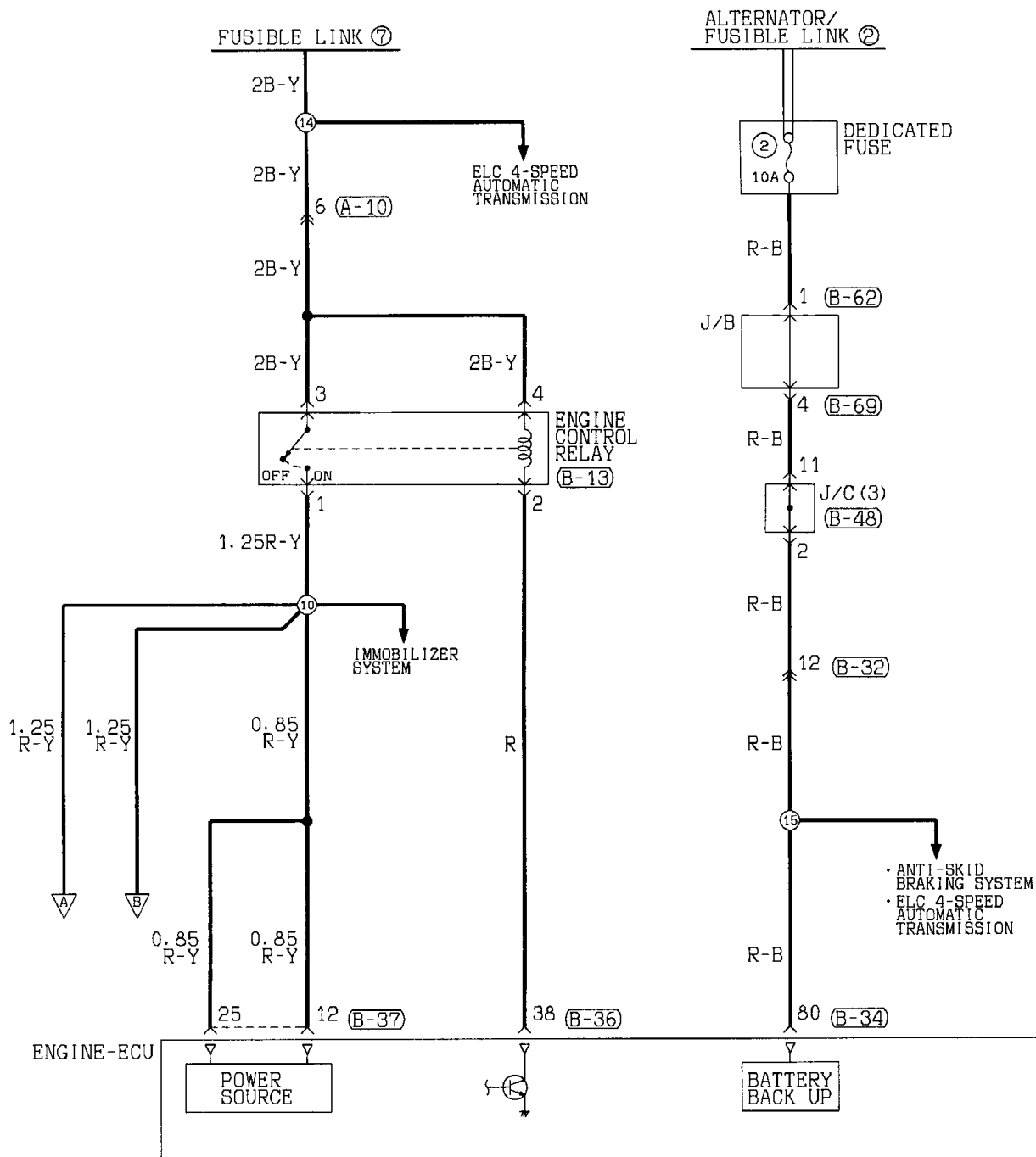
(B-70)

1	2	3	4
5	6	7	8

NOTES

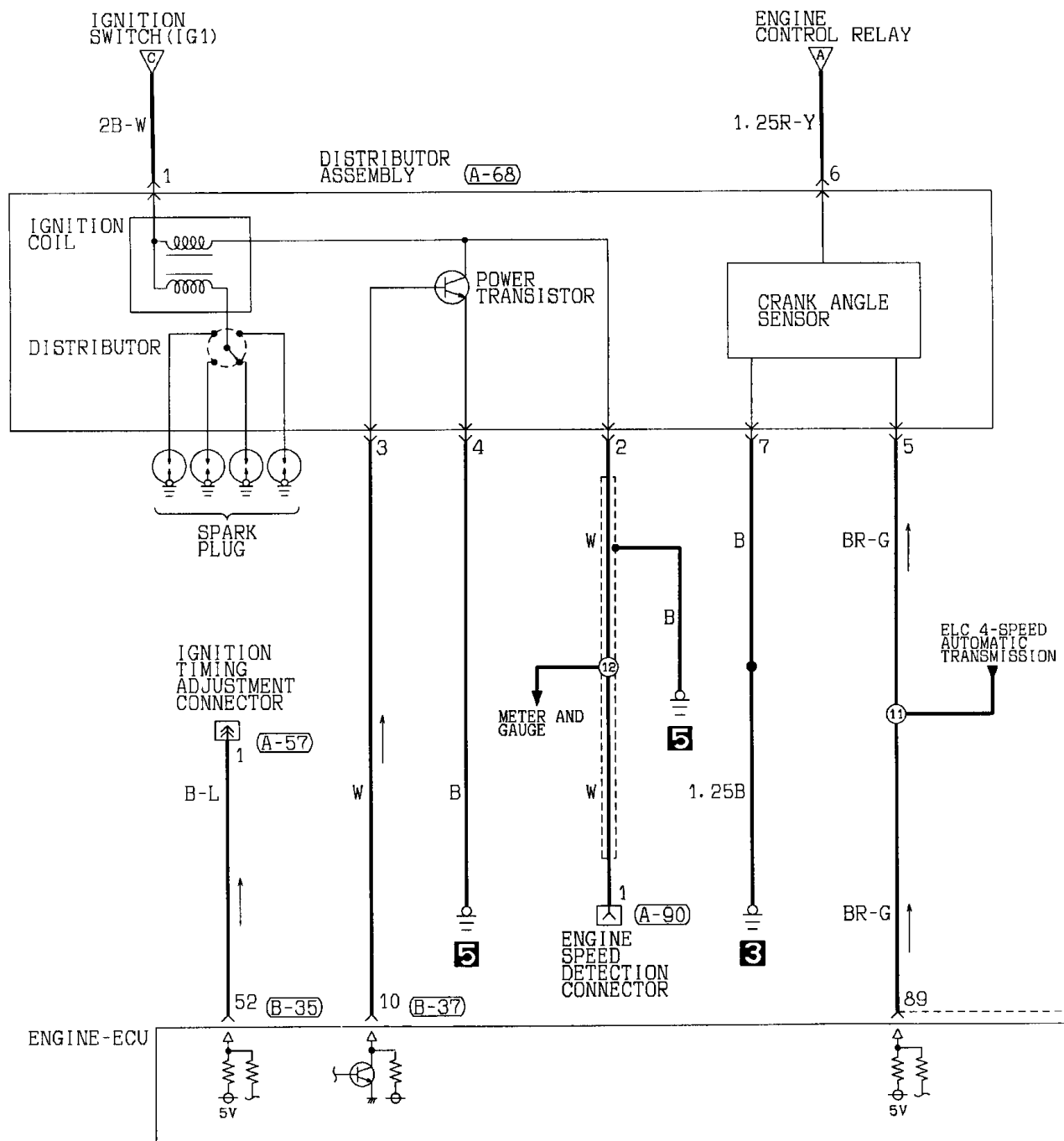
MPI SYSTEM

4G13 <L.H. drive vehicles>

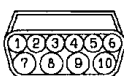


MPI SYSTEM

4G13 <L.H. drive vehicles> (CONTINUED)



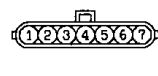
A-27



A-57



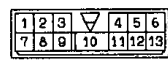
A-68



A-90



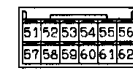
B-33

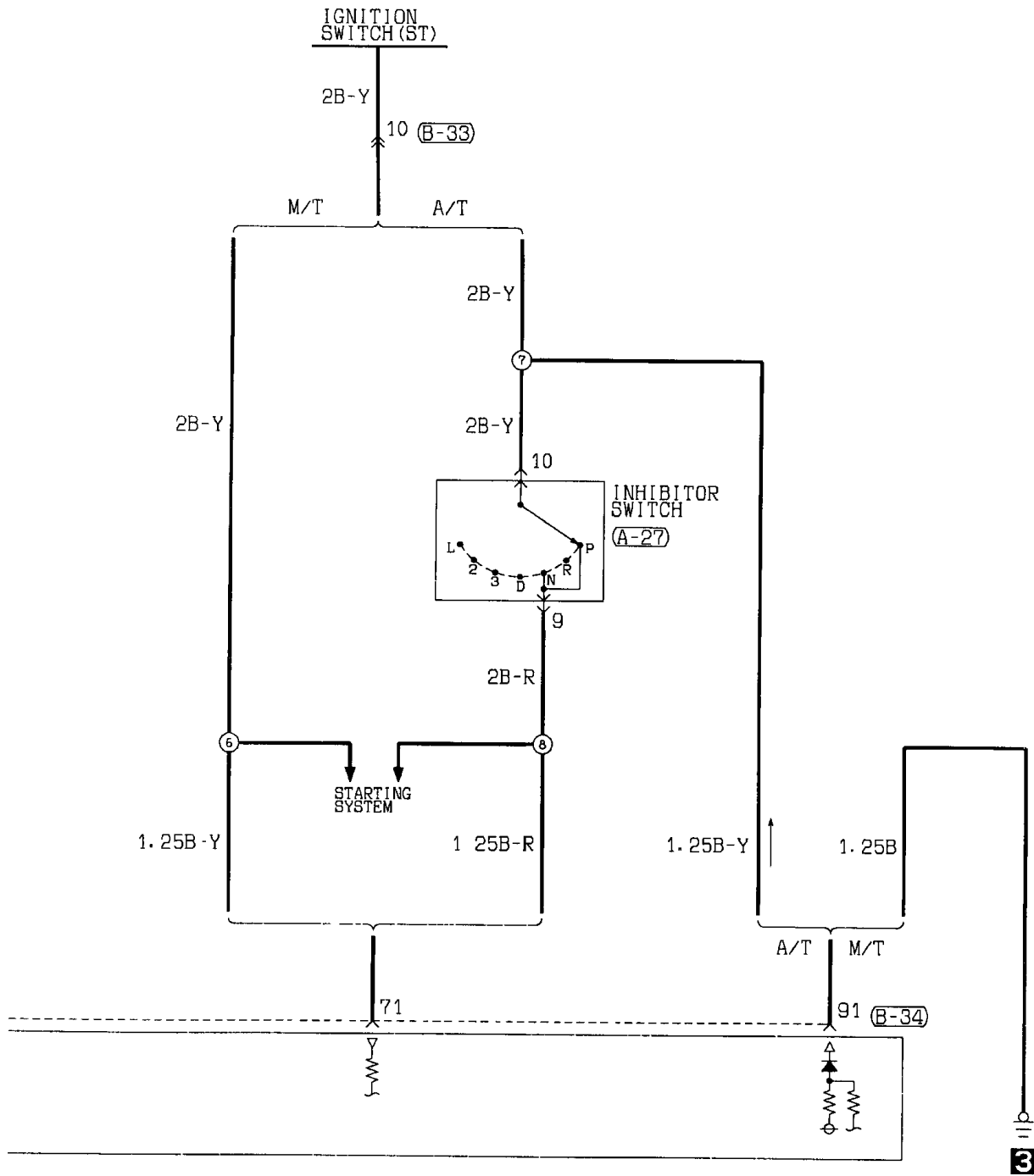


B-34



B-35



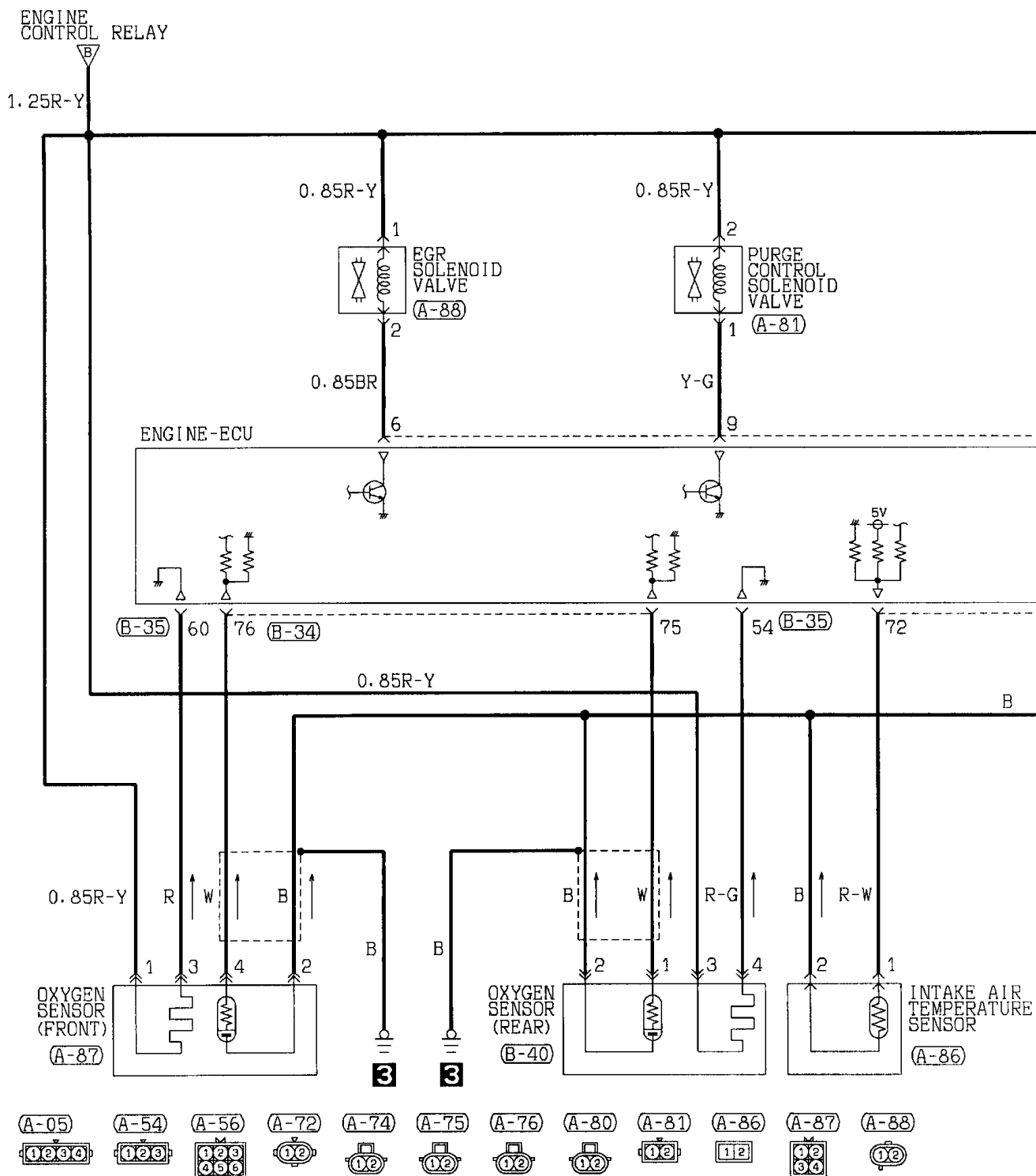


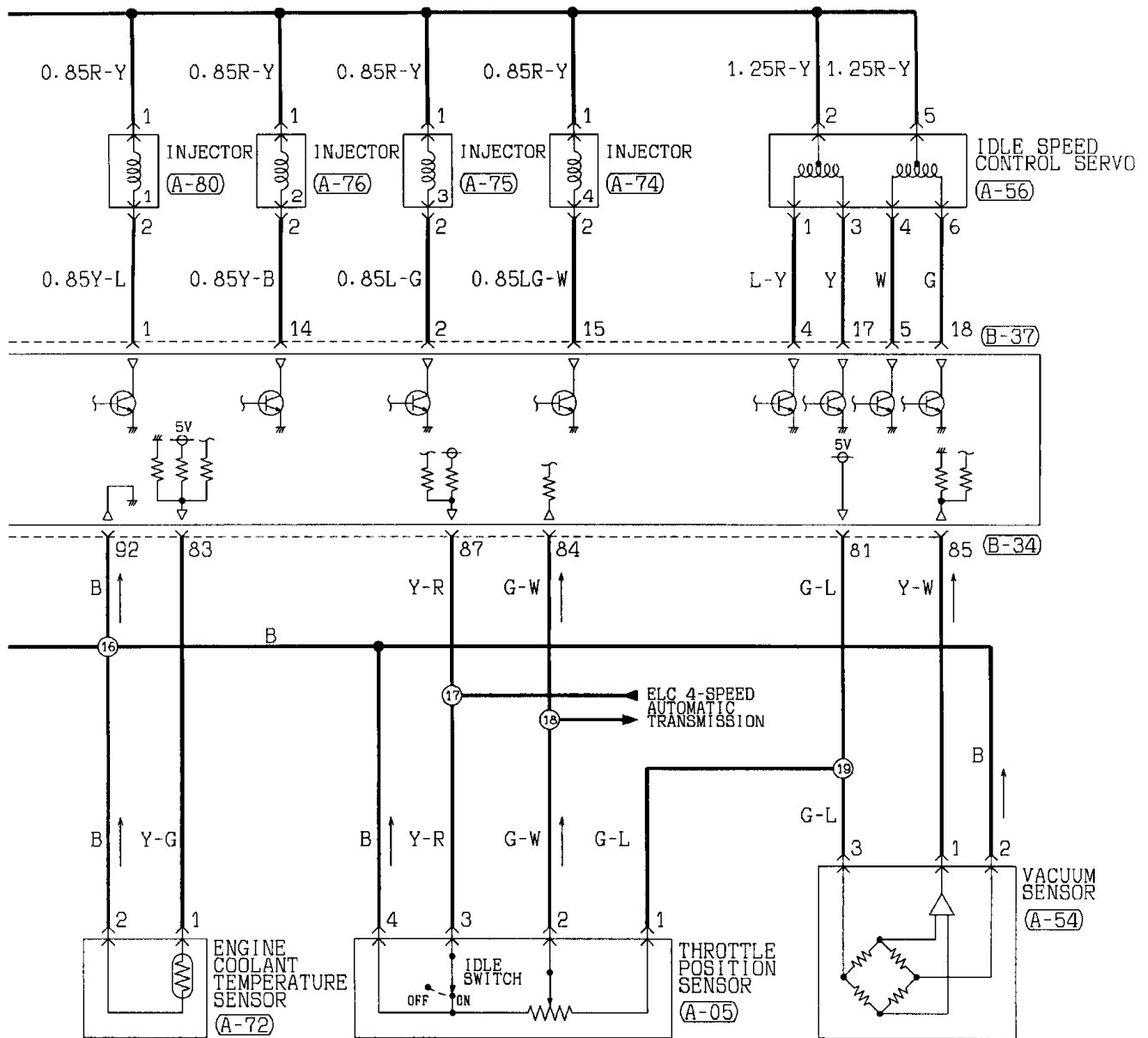
(B-37)

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

MPI SYSTEM

4G13 <L.H. drive vehicles> (CONTINUED)





(B-34)

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

(B-35)

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

(B-37)

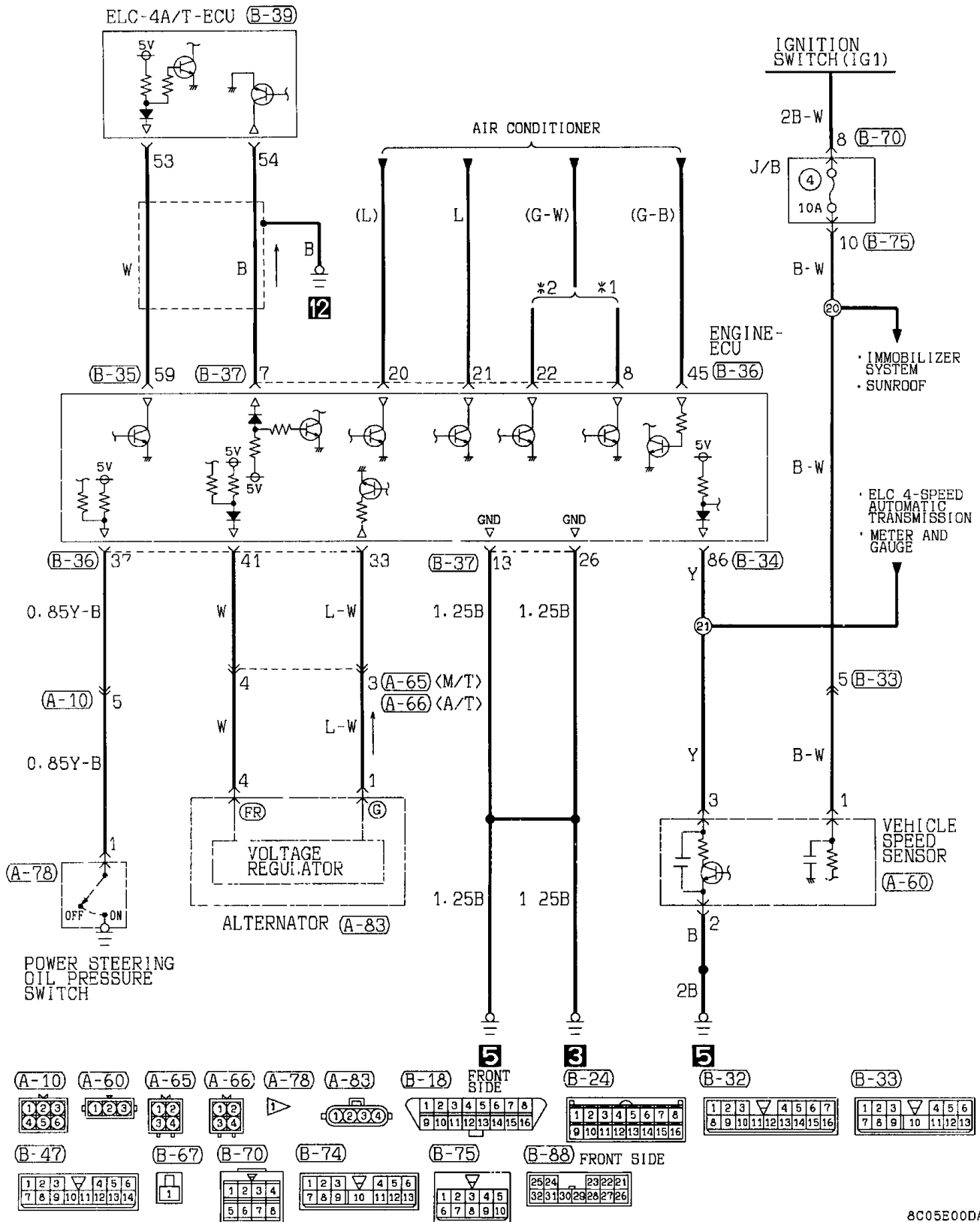
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14	15	16	17	18	19	20	21	22	23	24	25	26

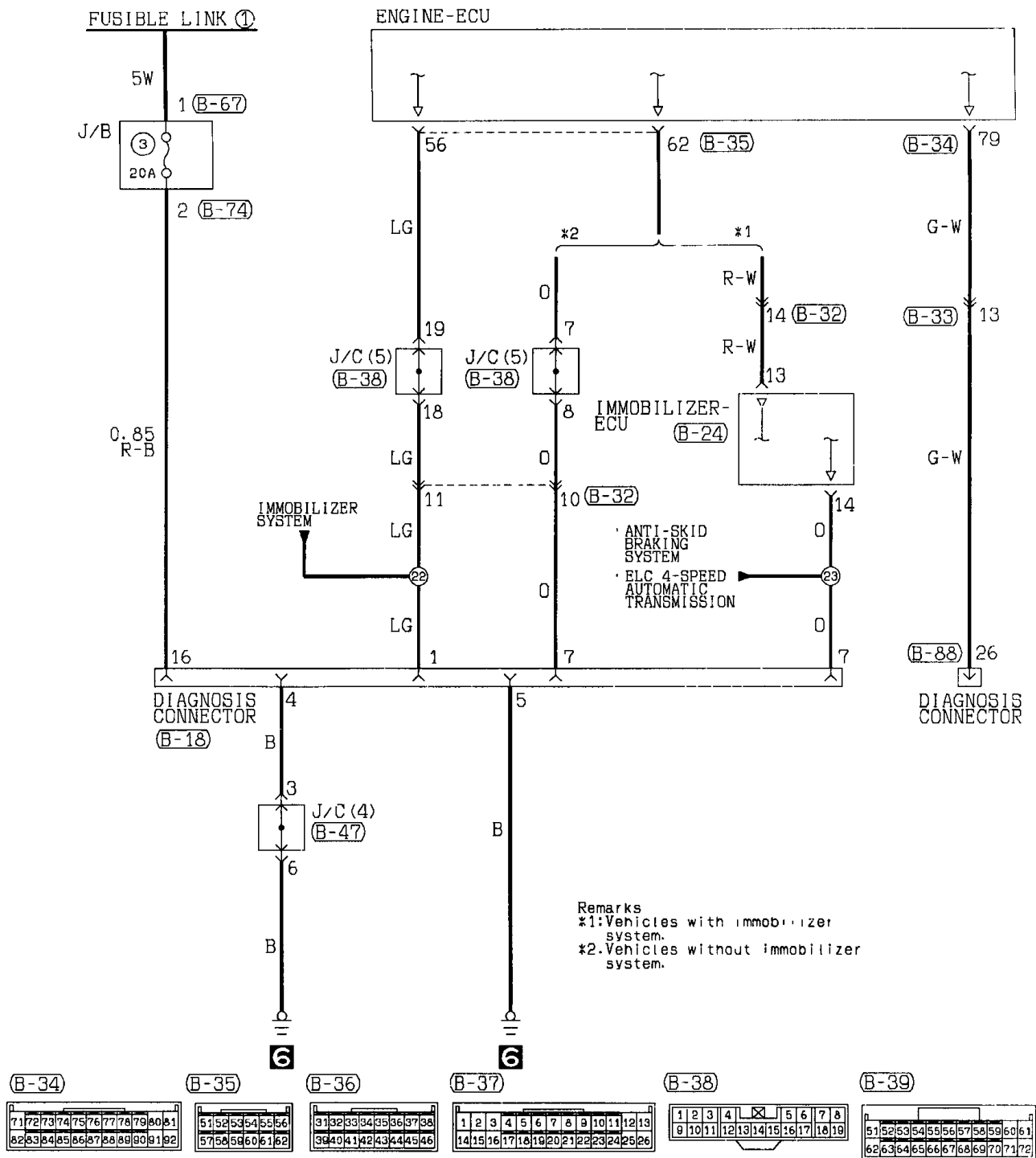
(B-40)

1	2	3	4
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MPI SYSTEM

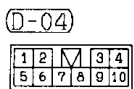
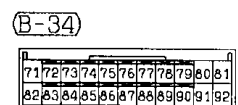
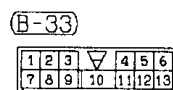
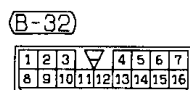
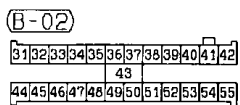
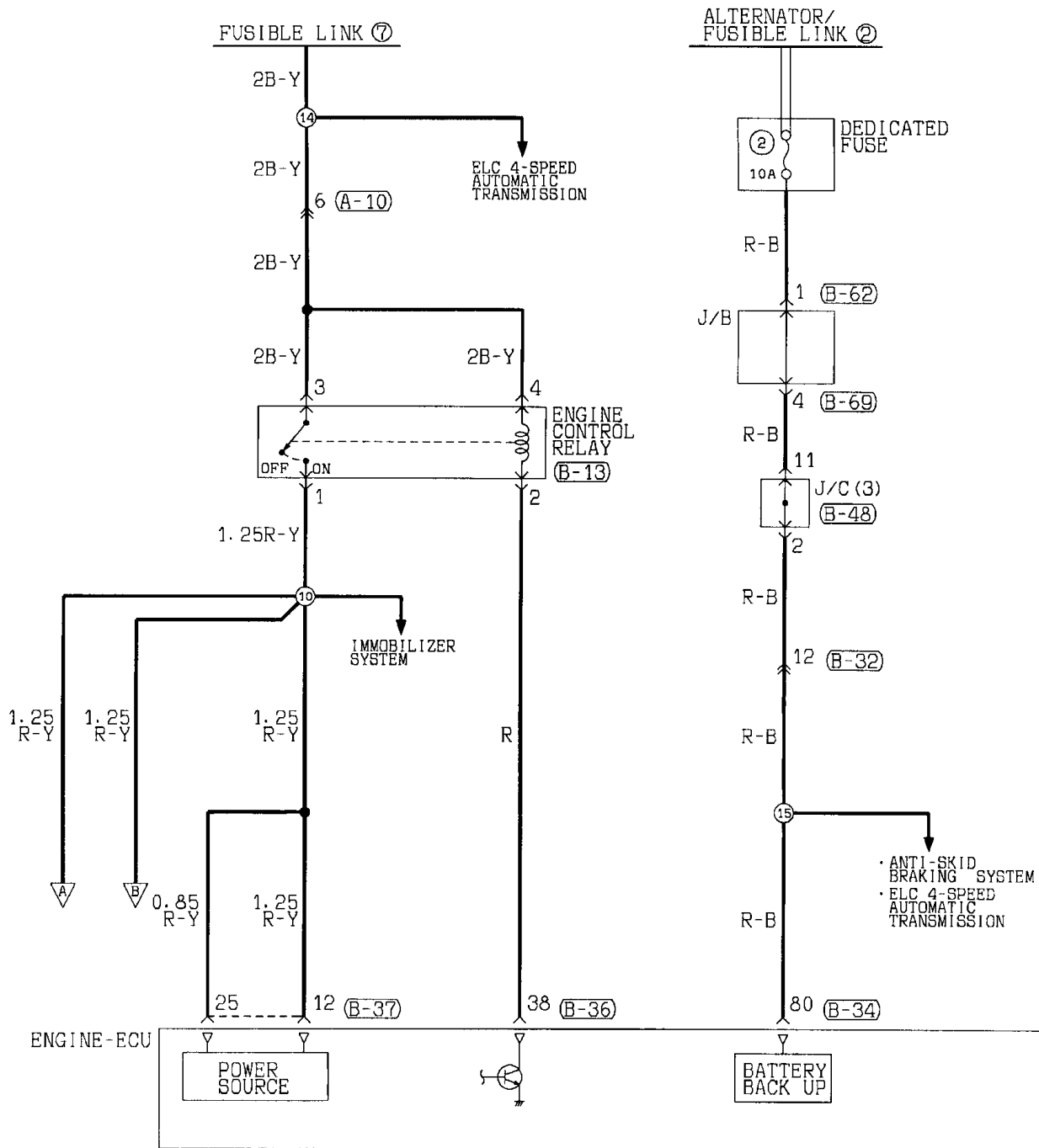
4G13 <L.H. drive vehicles> (CONTINUED)

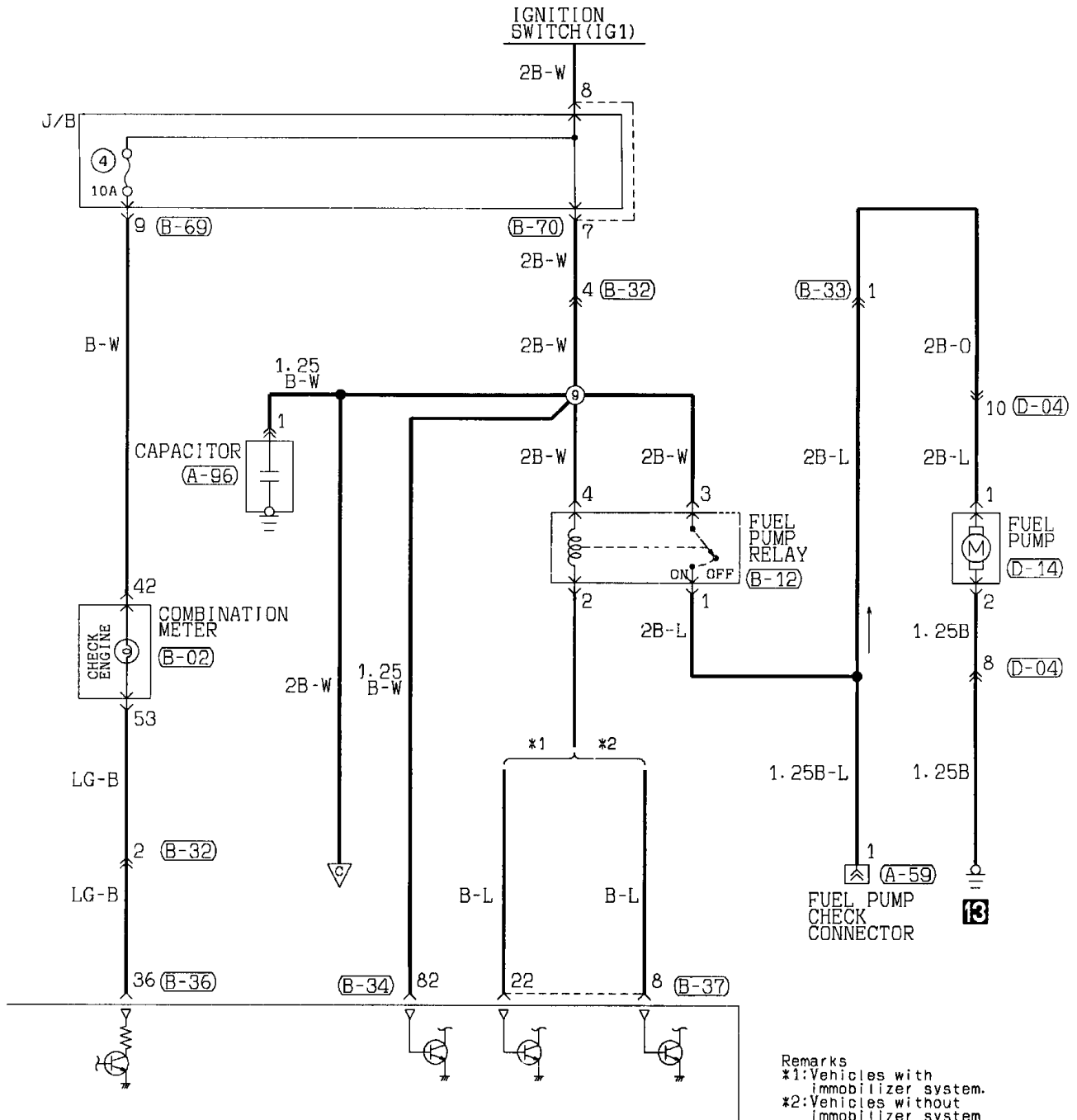




MPI SYSTEM

4G13 <R.H. drive vehicles>





(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

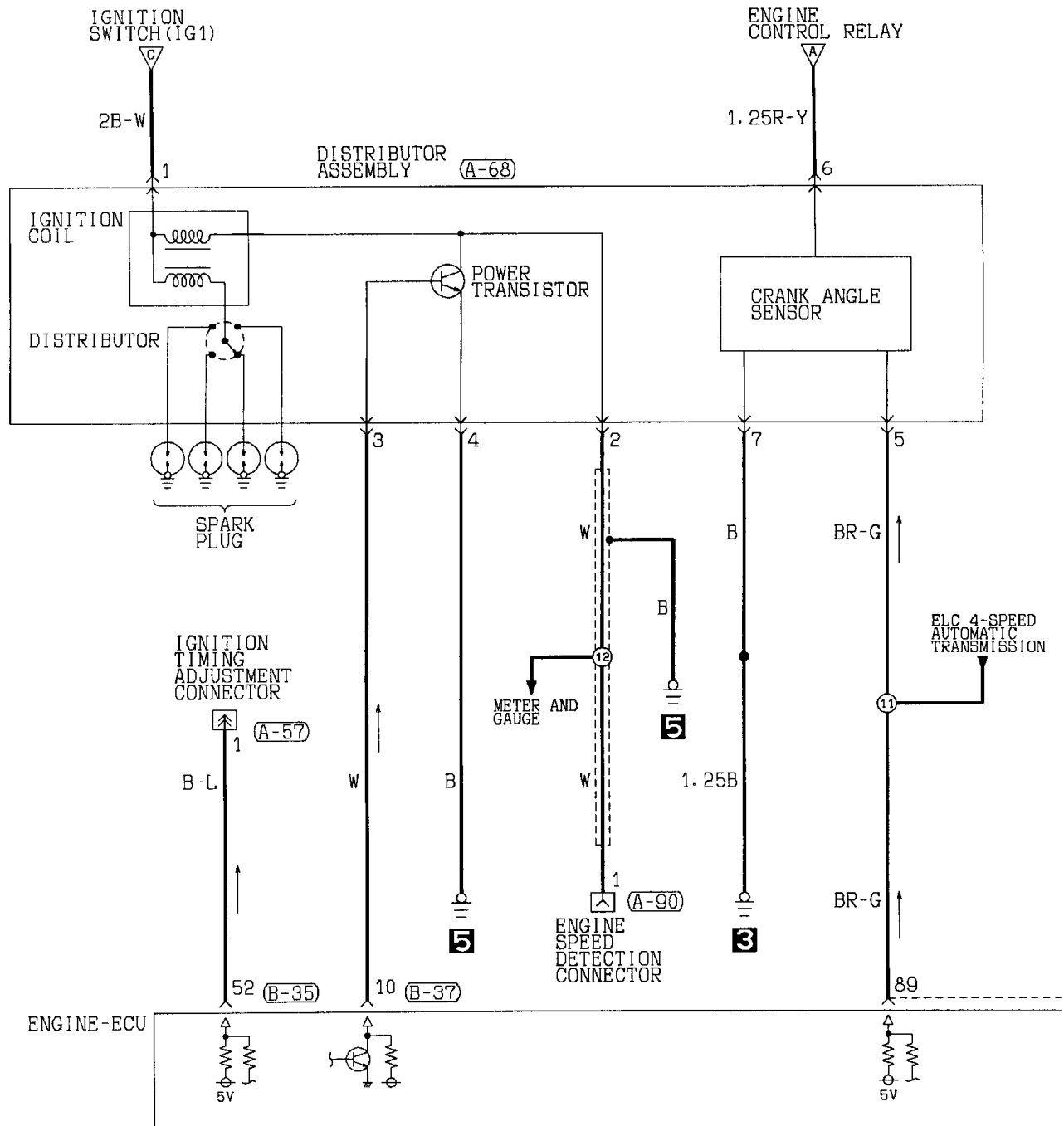
(B-69)

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

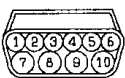
(B-70)

1	2	3	4
5	6	7	8

MPI SYSTEM 4G13 <R.H. drive vehicles> (CONTINUED)



(A-27)



(A-57)



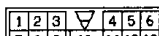
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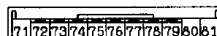
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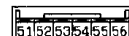
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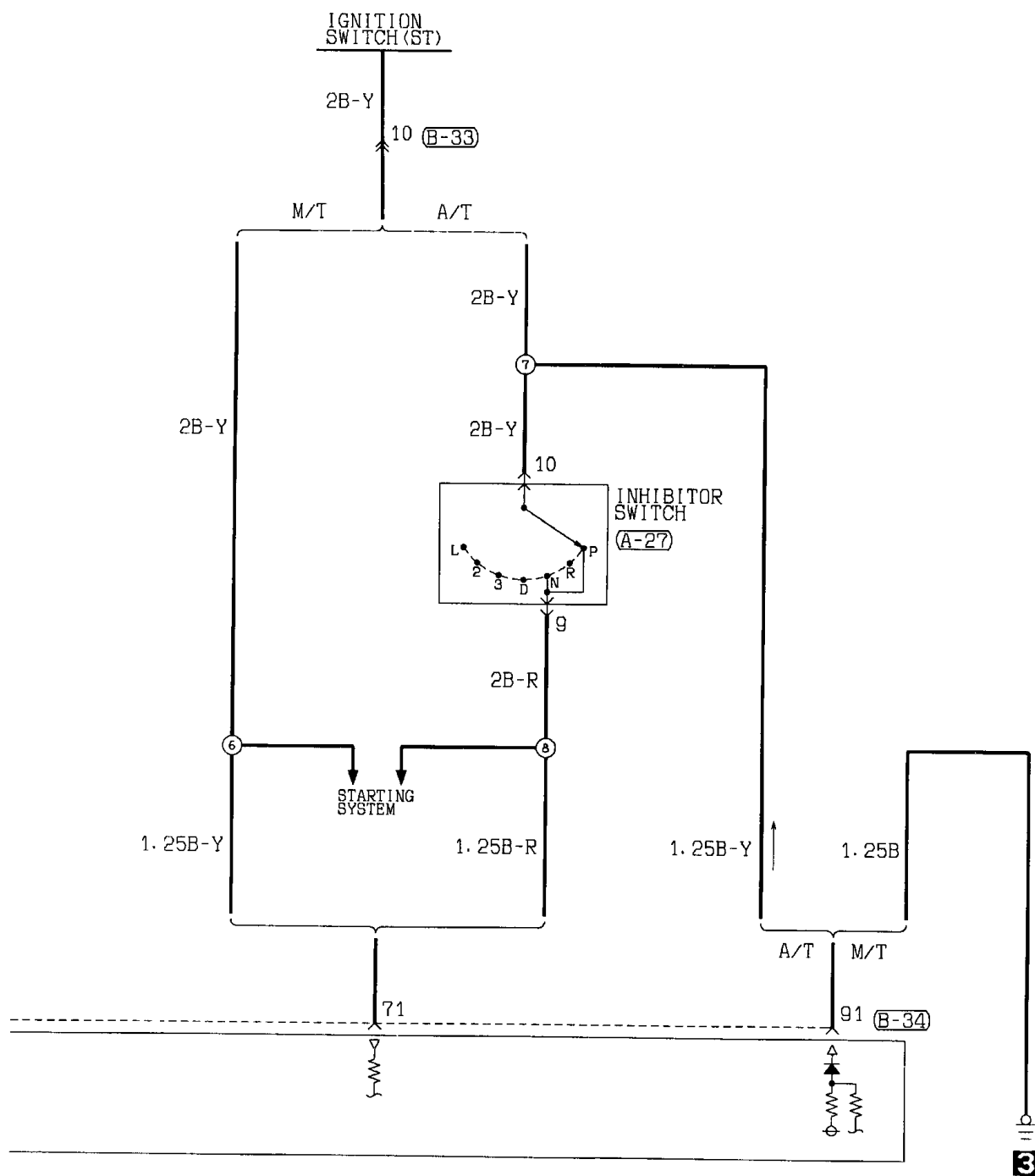


(B-34)



(B-35)



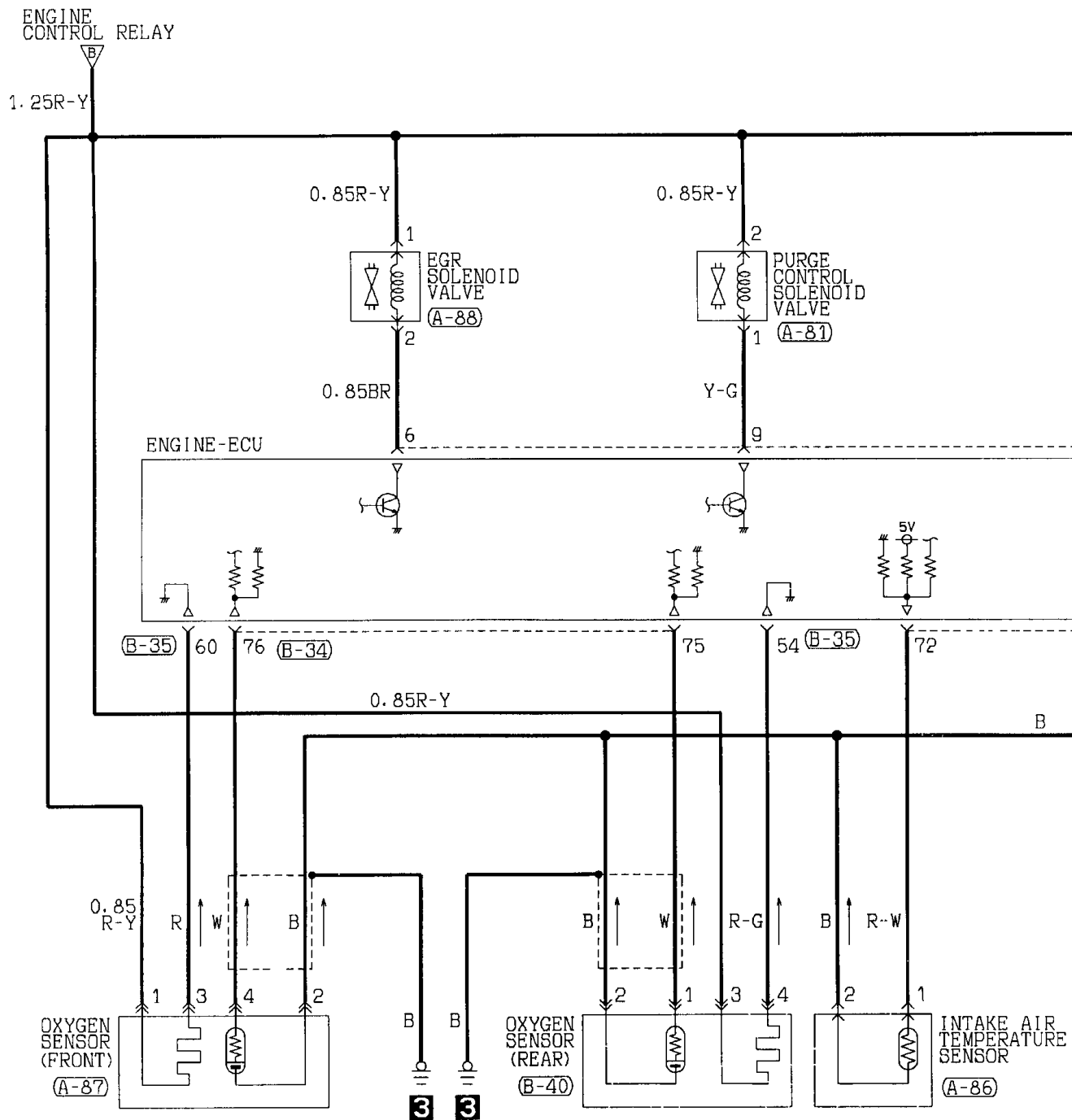


(B-37)

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

MPI SYSTEM

4G13 <R.H. drive vehicles> (CONTINUED)



(A-05) (A-54) (A-56) (A-72) (A-74) (A-75) (A-76) (A-80) (A-81) (A-86) (A-87) (A-88) (B-34)

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1 2 3 4 5 6

1 2

1 2

1 2

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1 2

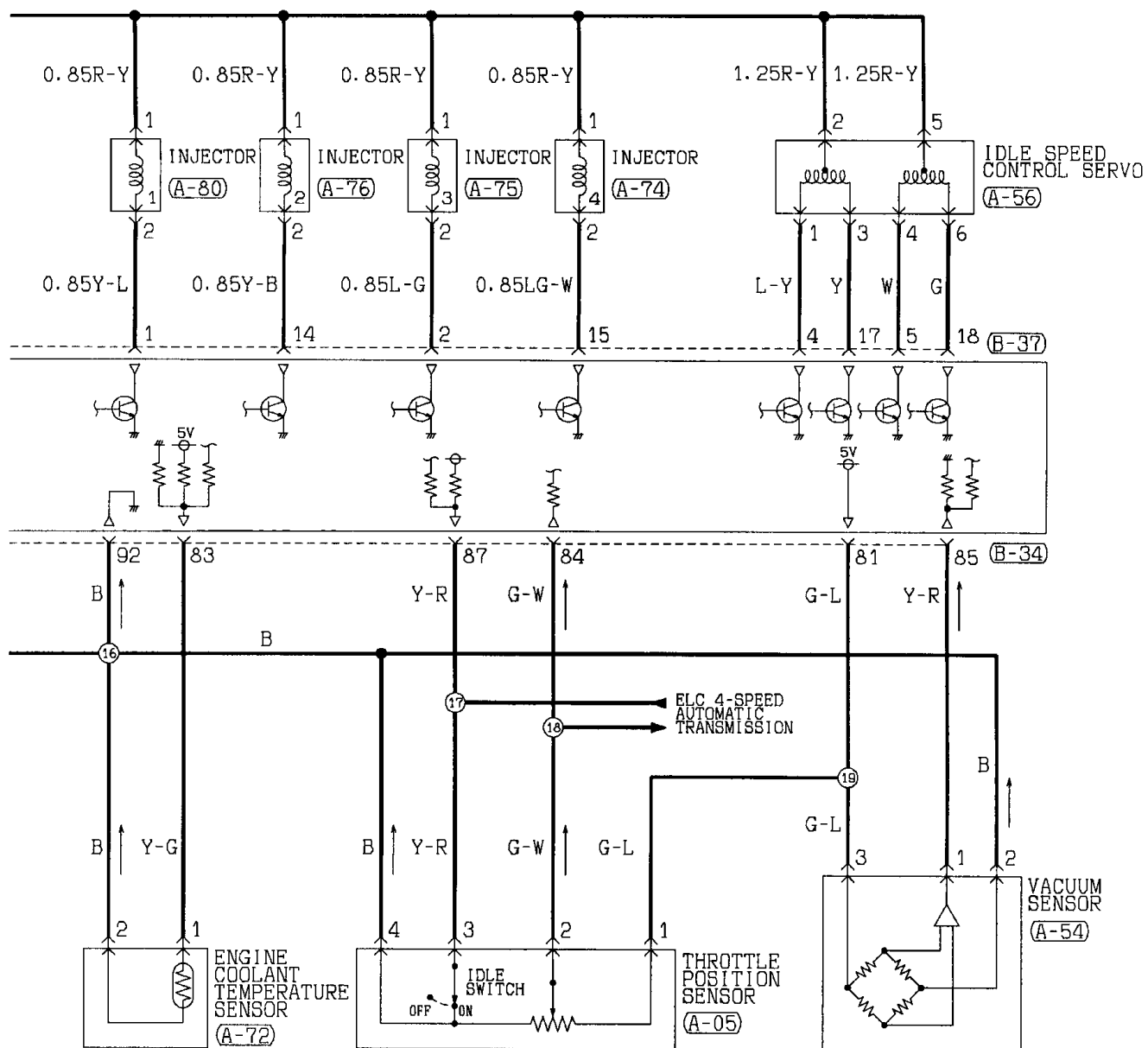
1 2

1 2

1 2

1 2

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



(B-35)

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

(B-37)

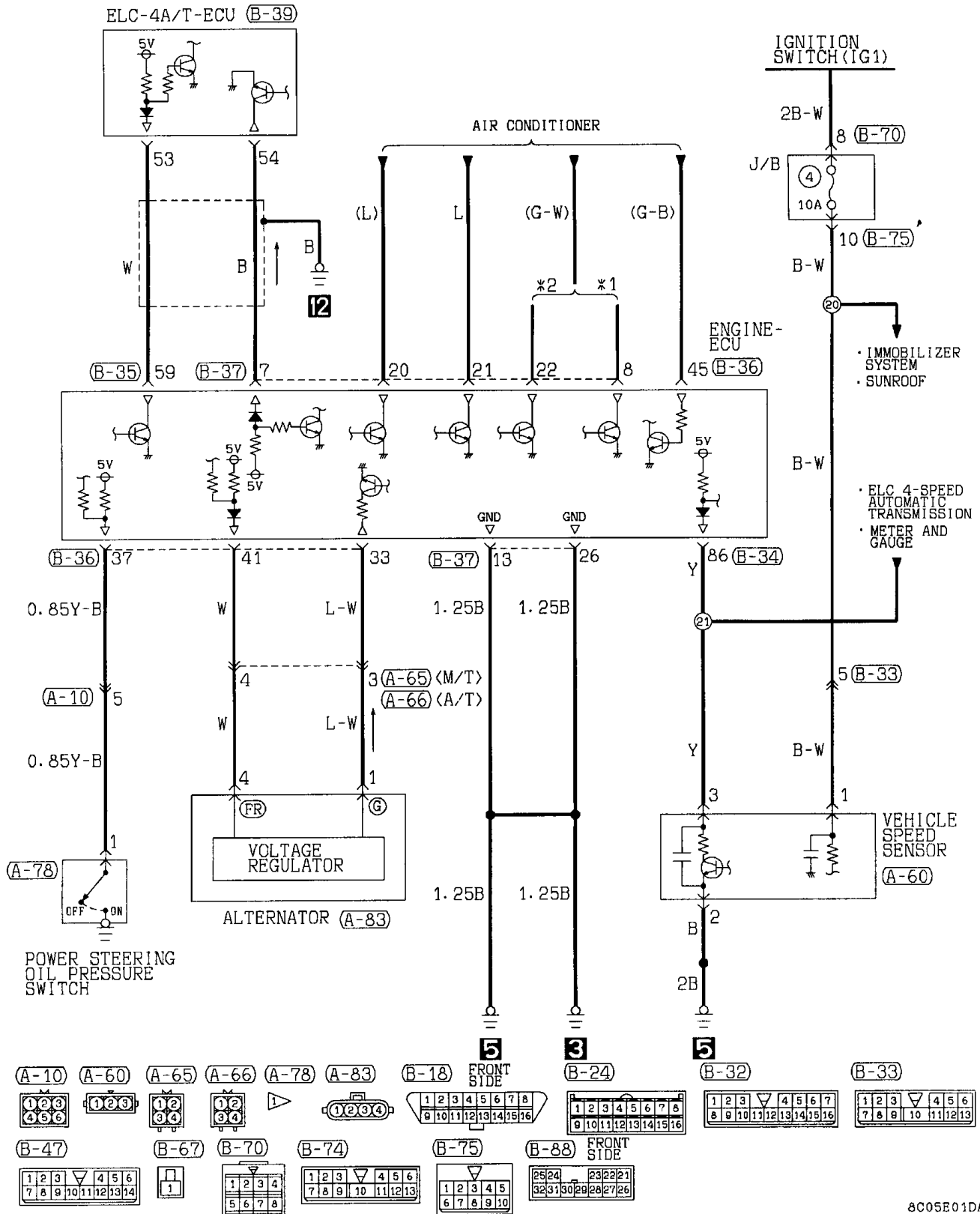
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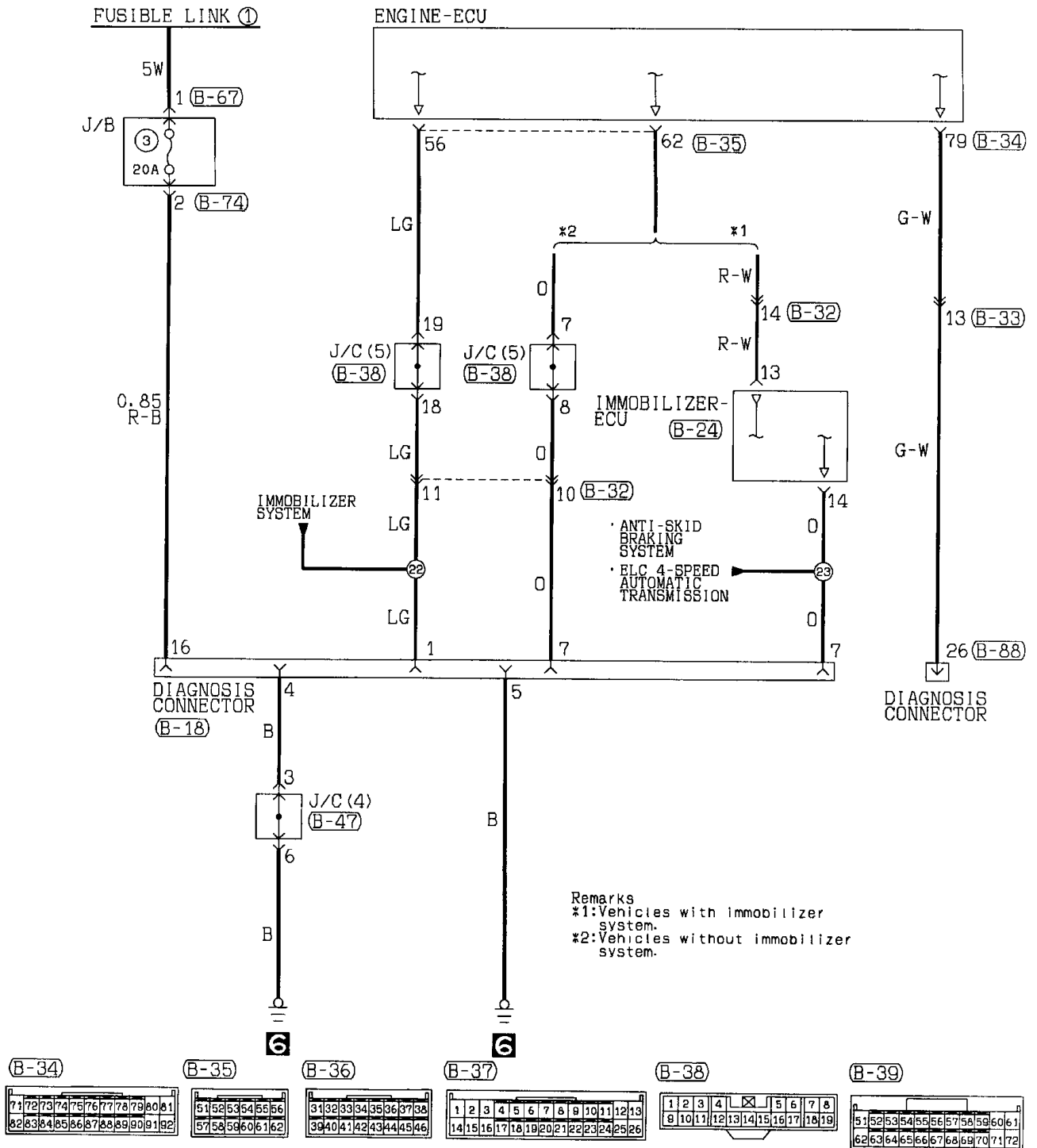
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1	2	3	4
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MPI SYSTEM

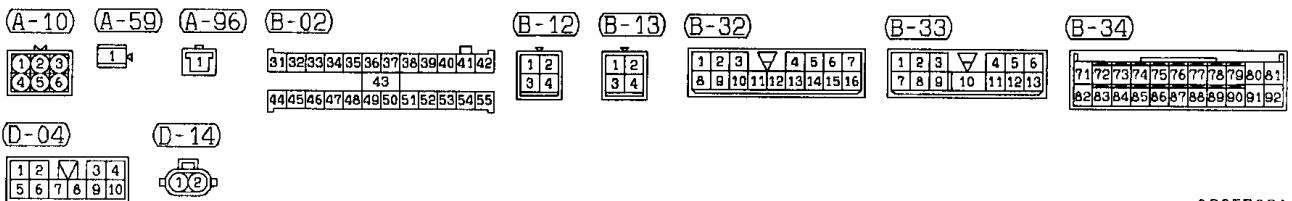
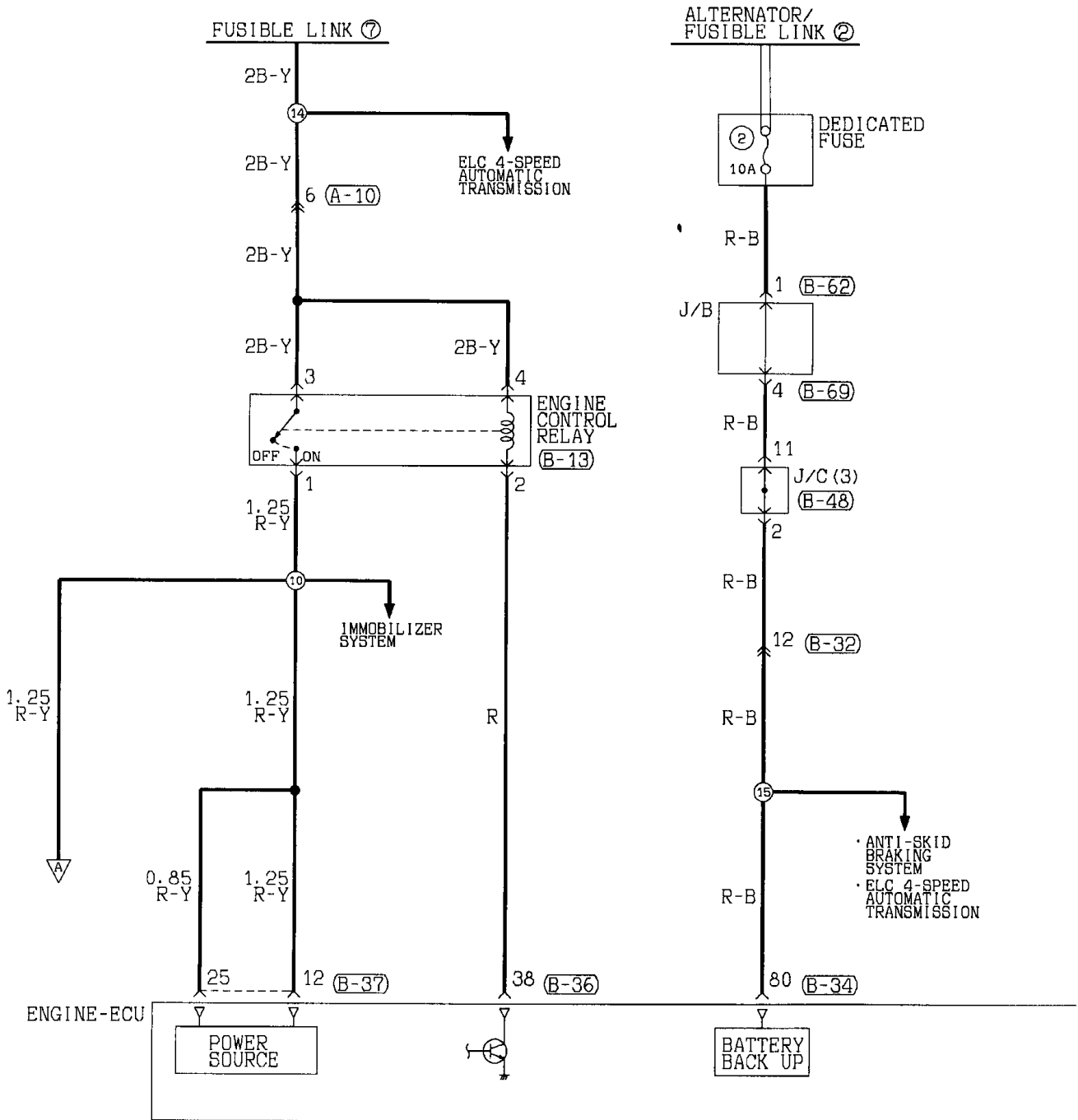
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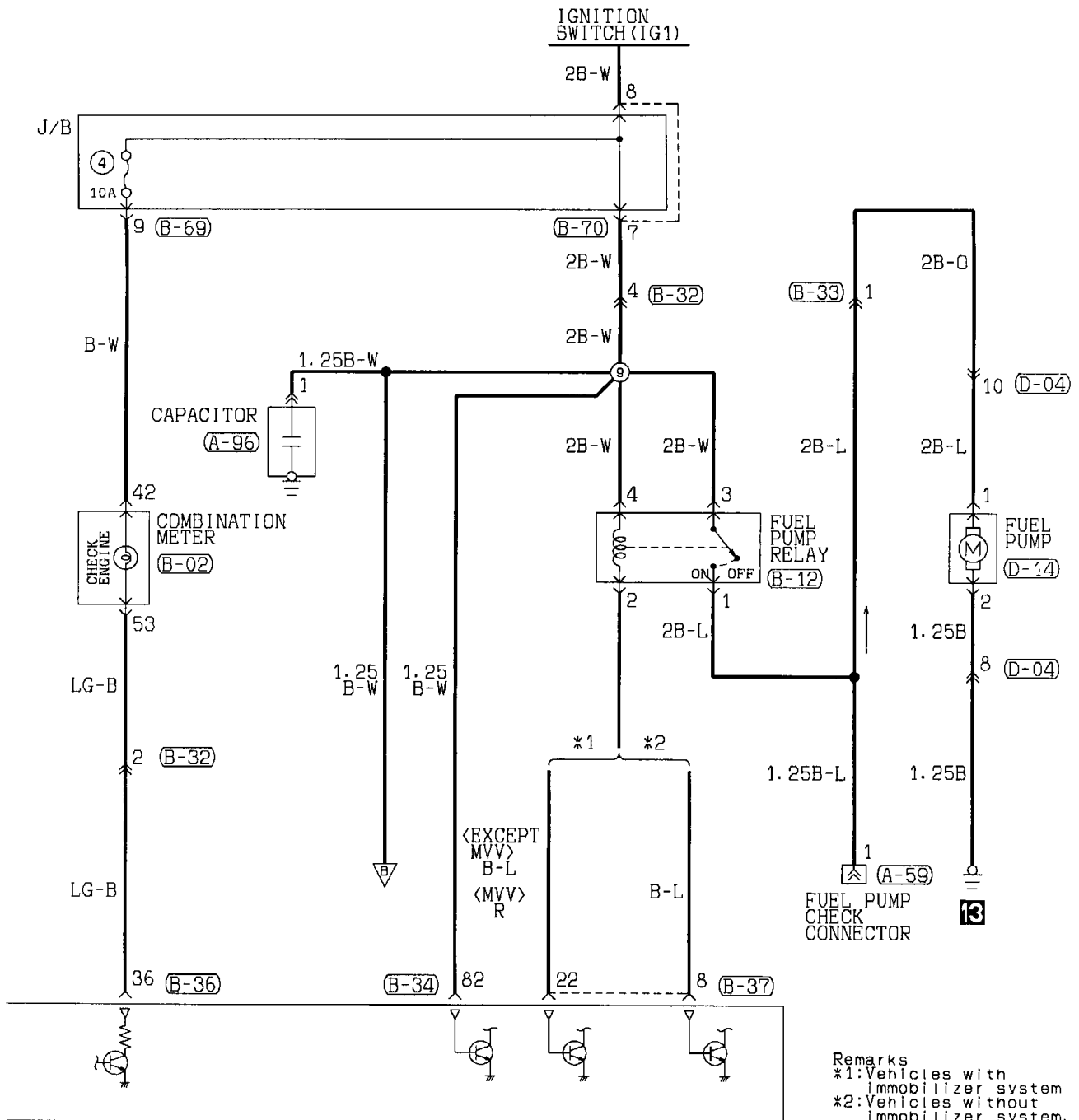




MPI SYSTEM

4G92 <L.H. drive vehicles>





(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

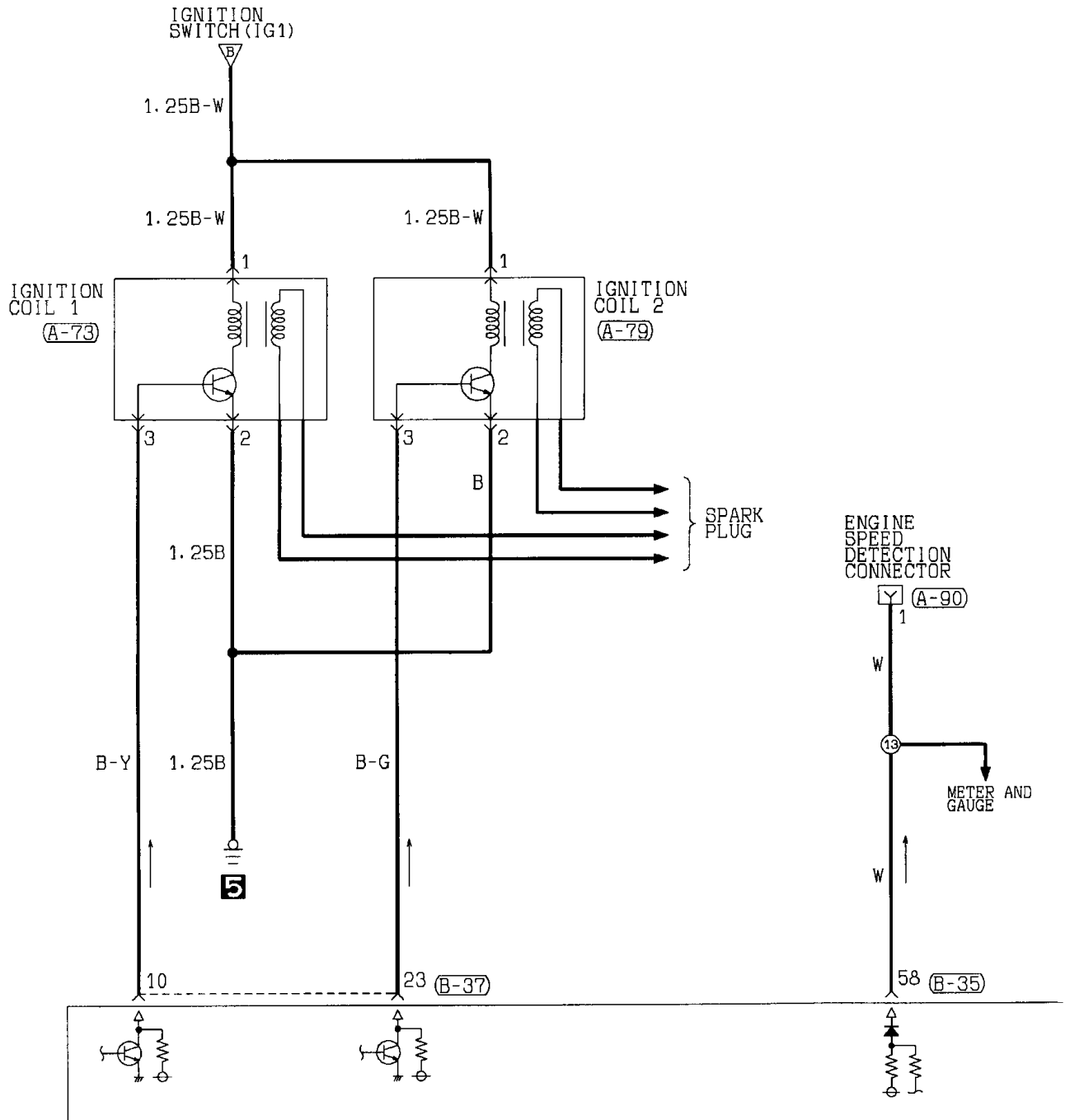
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8	9	10	11	12	13	14

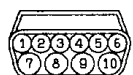
(B-70)

1	2	3	4
5	6	7	8

MPI SYSTEM 4G92 <L.H. drive vehicles> (CONTINUED)



(A-27)



(A-73)



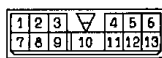
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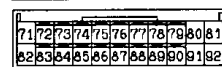
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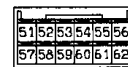
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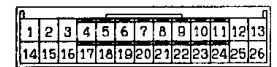
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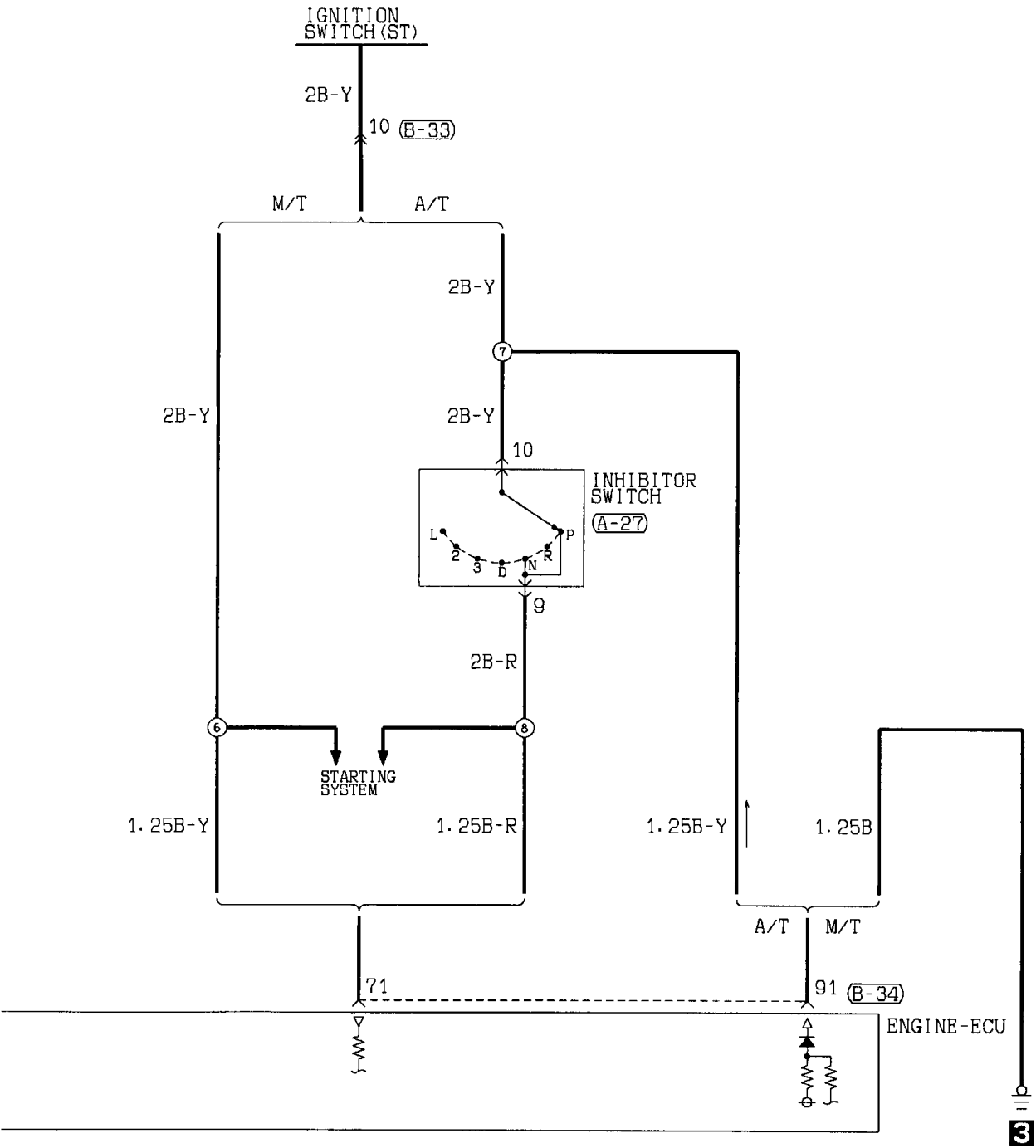


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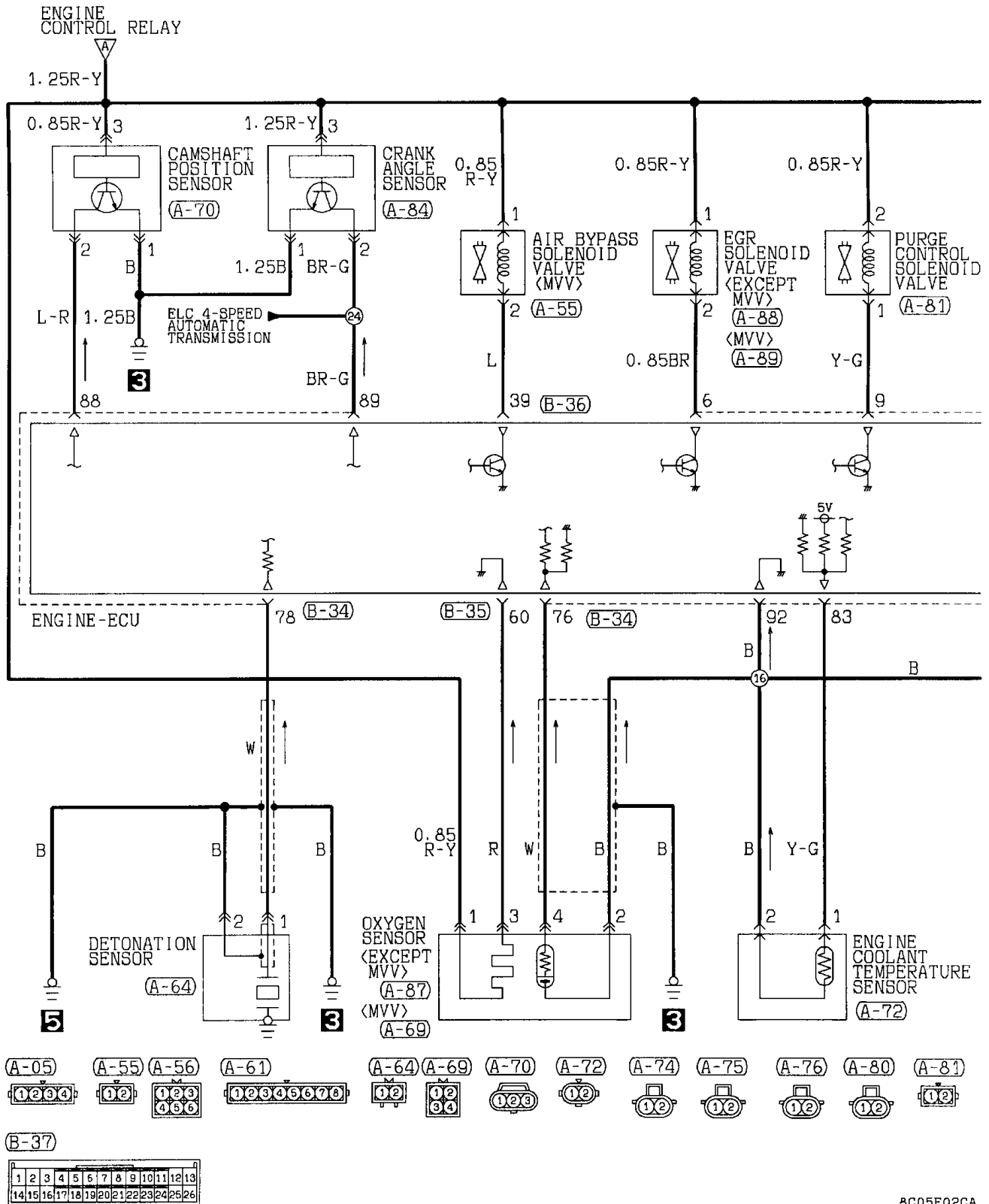
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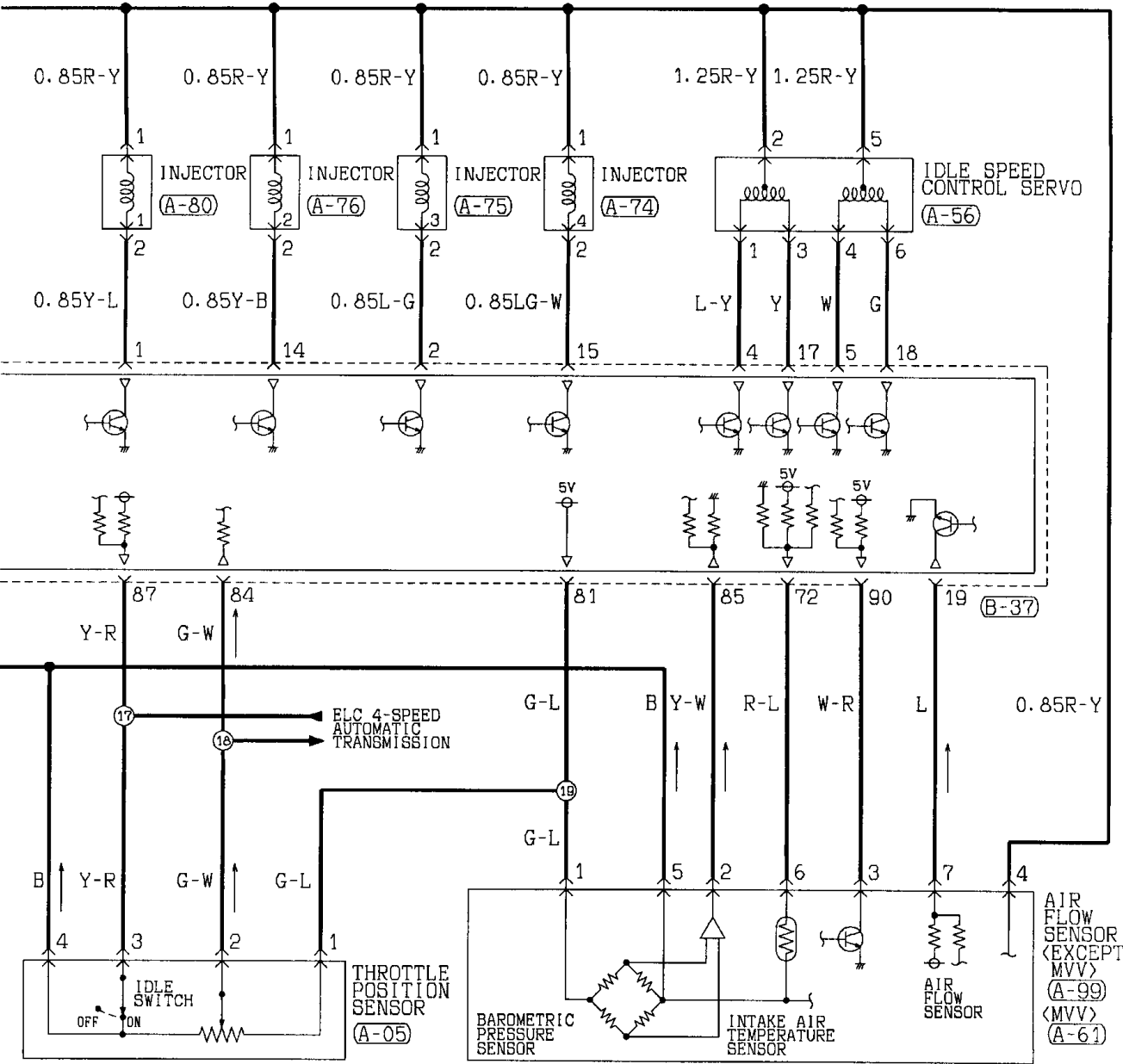




MPI SYSTEM

4G92 <L.H. drive vehicles> (CONTINUED)

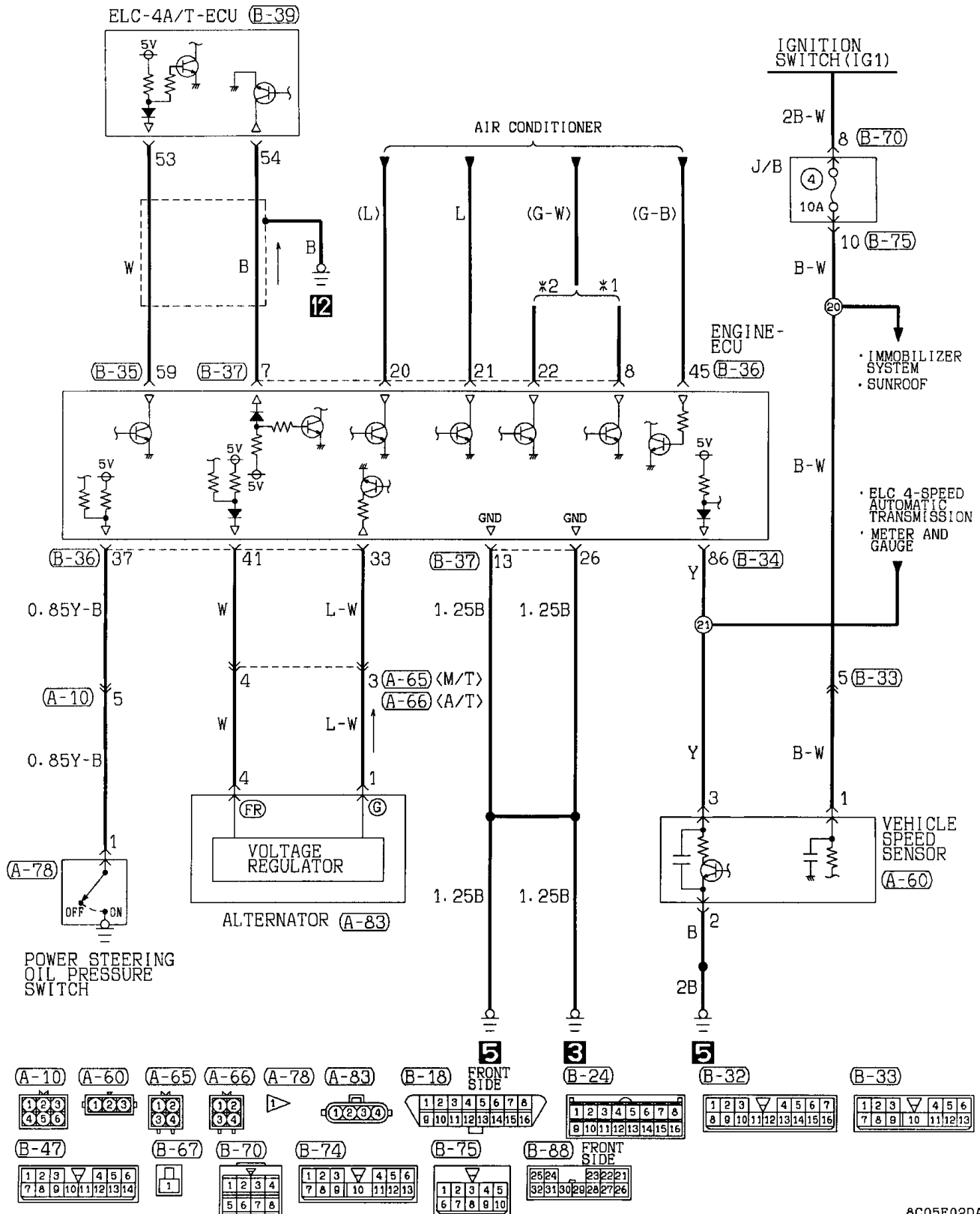


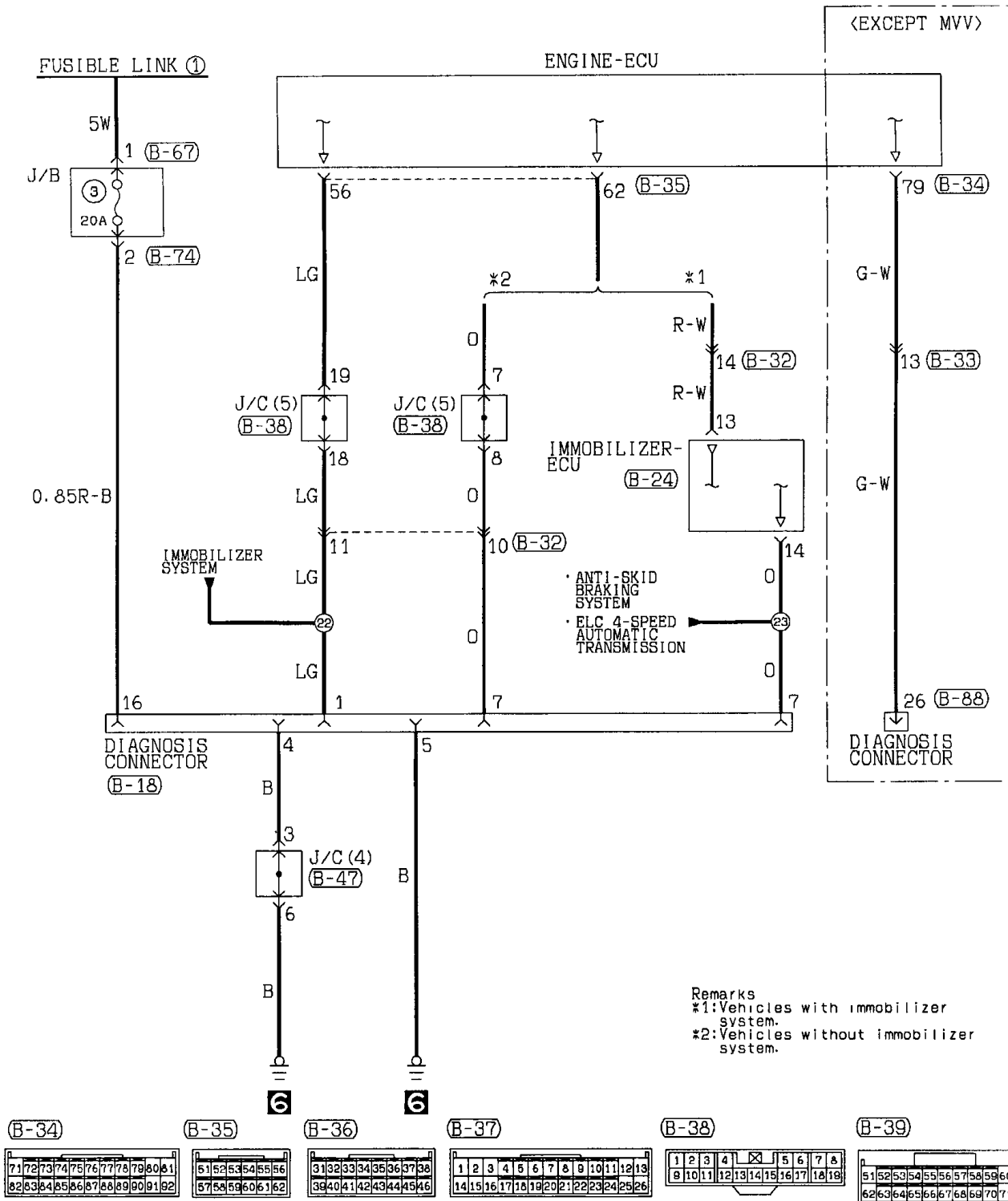


A-84	A-87	A-88	A-89	A-99	B-34	B-35	B-36																																																																																							
<table><tr><td>0</td><td>2</td></tr><tr><td>3</td><td></td></tr></table>	0	2	3		<table><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr></table>	1	2	3	4	<table><tr><td>1</td><td>2</td></tr><tr><td></td><td></td></tr></table>	1	2			<table><tr><td>1</td><td>2</td></tr><tr><td></td><td></td></tr></table>	1	2			<table><tr><td colspan="7"></td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>								1	2	3	4	5	6	7								<table><tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td></tr><tr><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td><td>91</td><td>92</td></tr></table>	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	<table><tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td></tr><tr><td>57</td><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td></tr></table>	51	52	53	54	55	56	57	58	59	60	61	62	<table><tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td></tr><tr><td>39</td><td>40</td><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td></tr></table>	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
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39	40	41	42	43	44	45	46																																																																																							

MPI SYSTEM

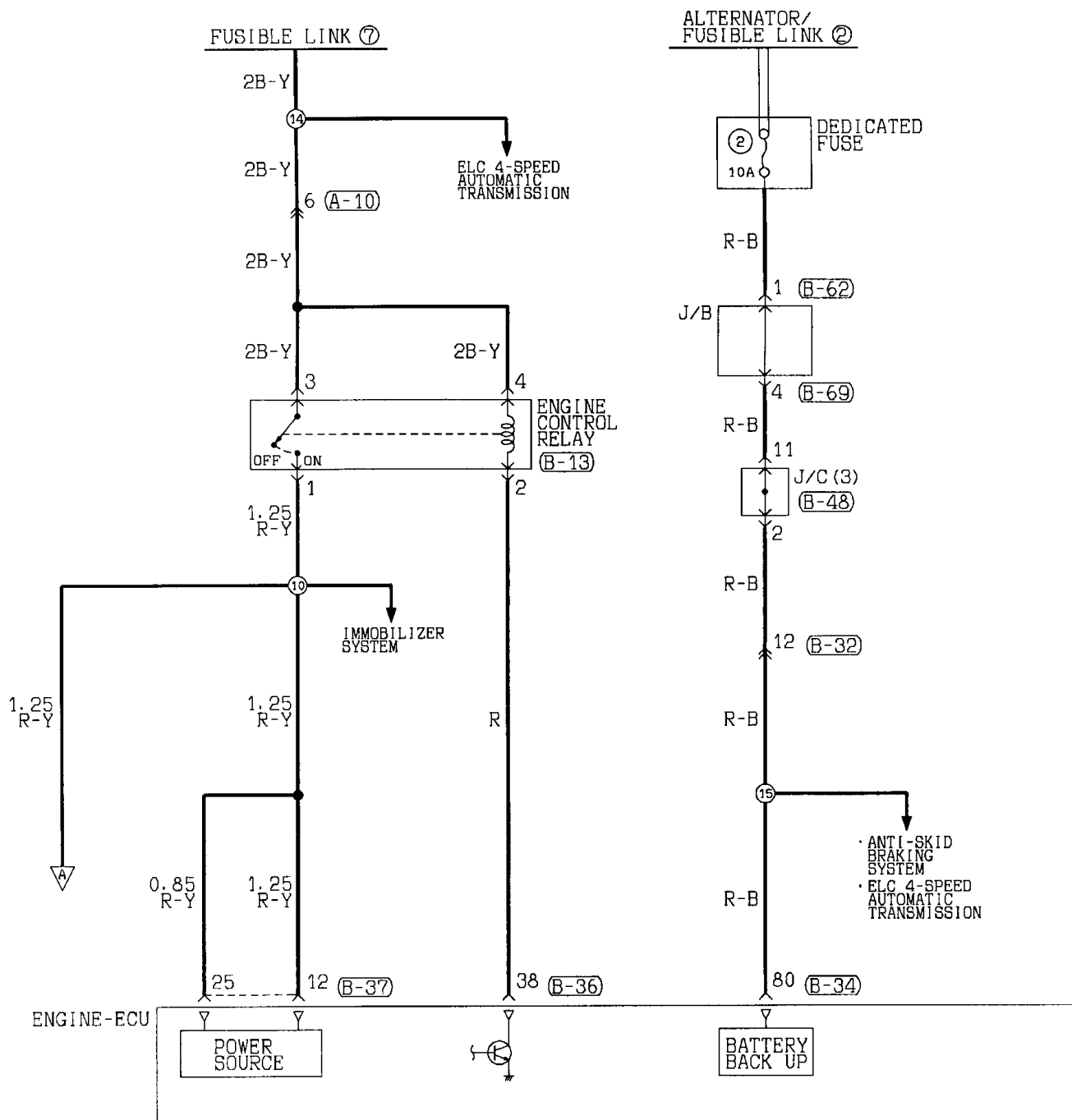
4G92 <L.H. drive vehicles> (CONTINUED)





MPI SYSTEM

4G92 <R.H. drive vehicles>



(A-10)



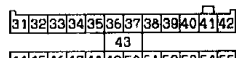
(A-59)



(A-96)



(B-02)



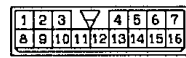
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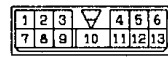
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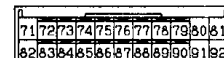
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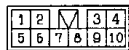
(B-33)



(B-34)

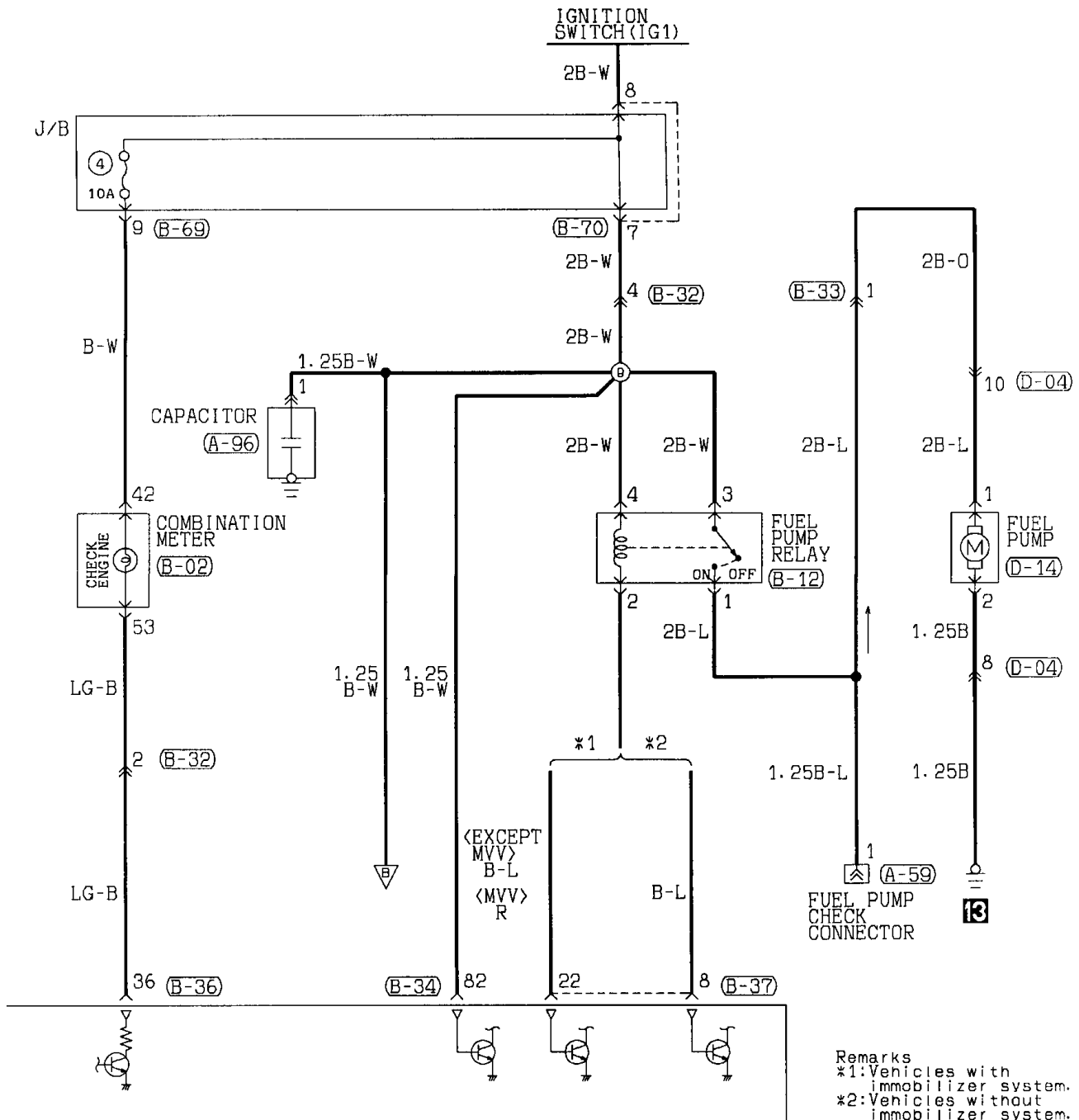


(D-04)



(D-14)





(B-36)

51	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

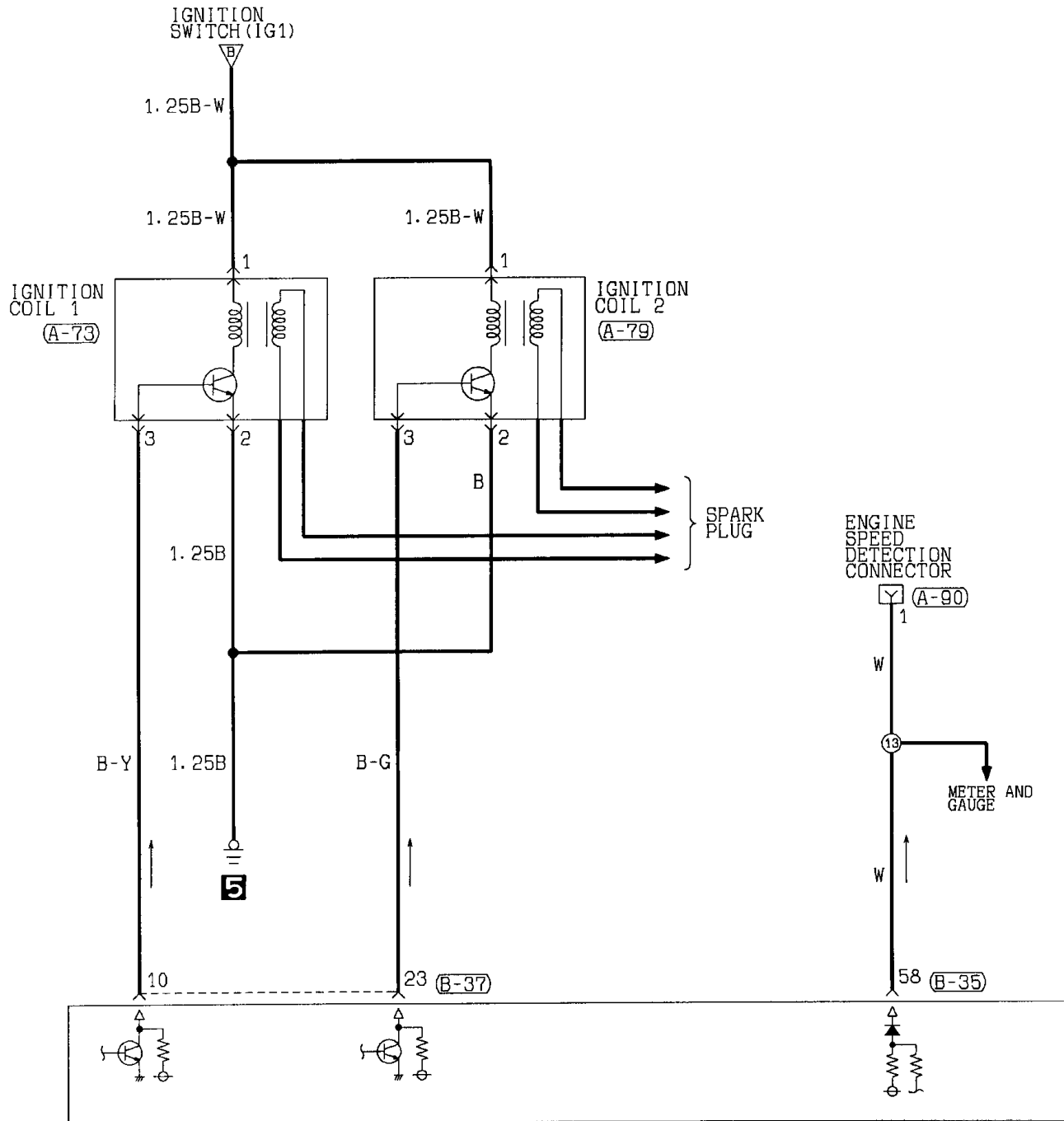
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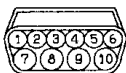
(B-70)

1	2	3	4
5	6	7	8

MPI SYSTEM 4G92 <R.H. drive vehicles> (CONTINUED)



A-27



A-73



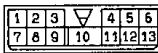
A-79



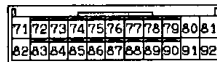
A-90



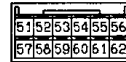
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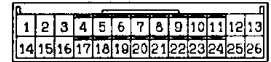
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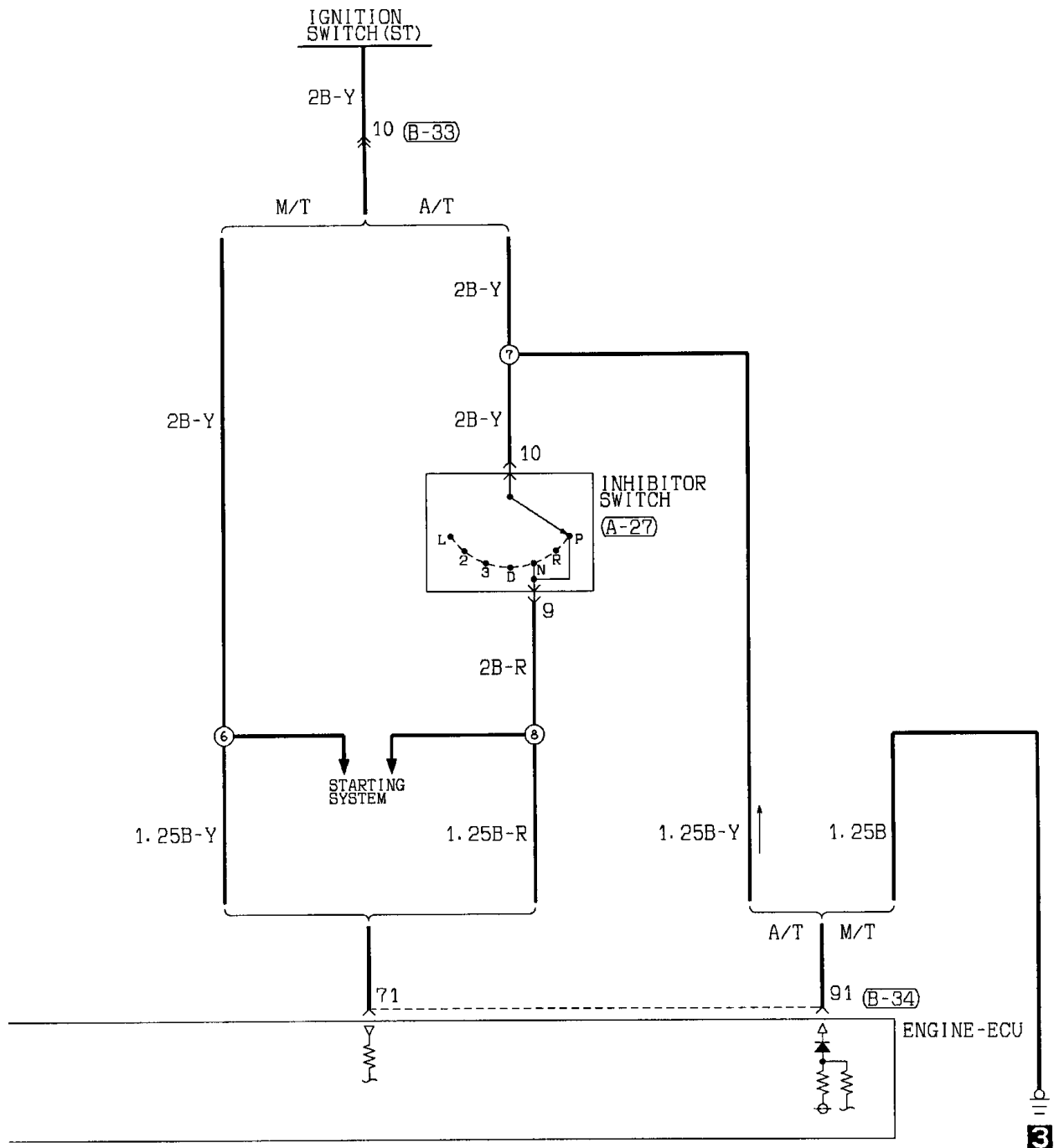


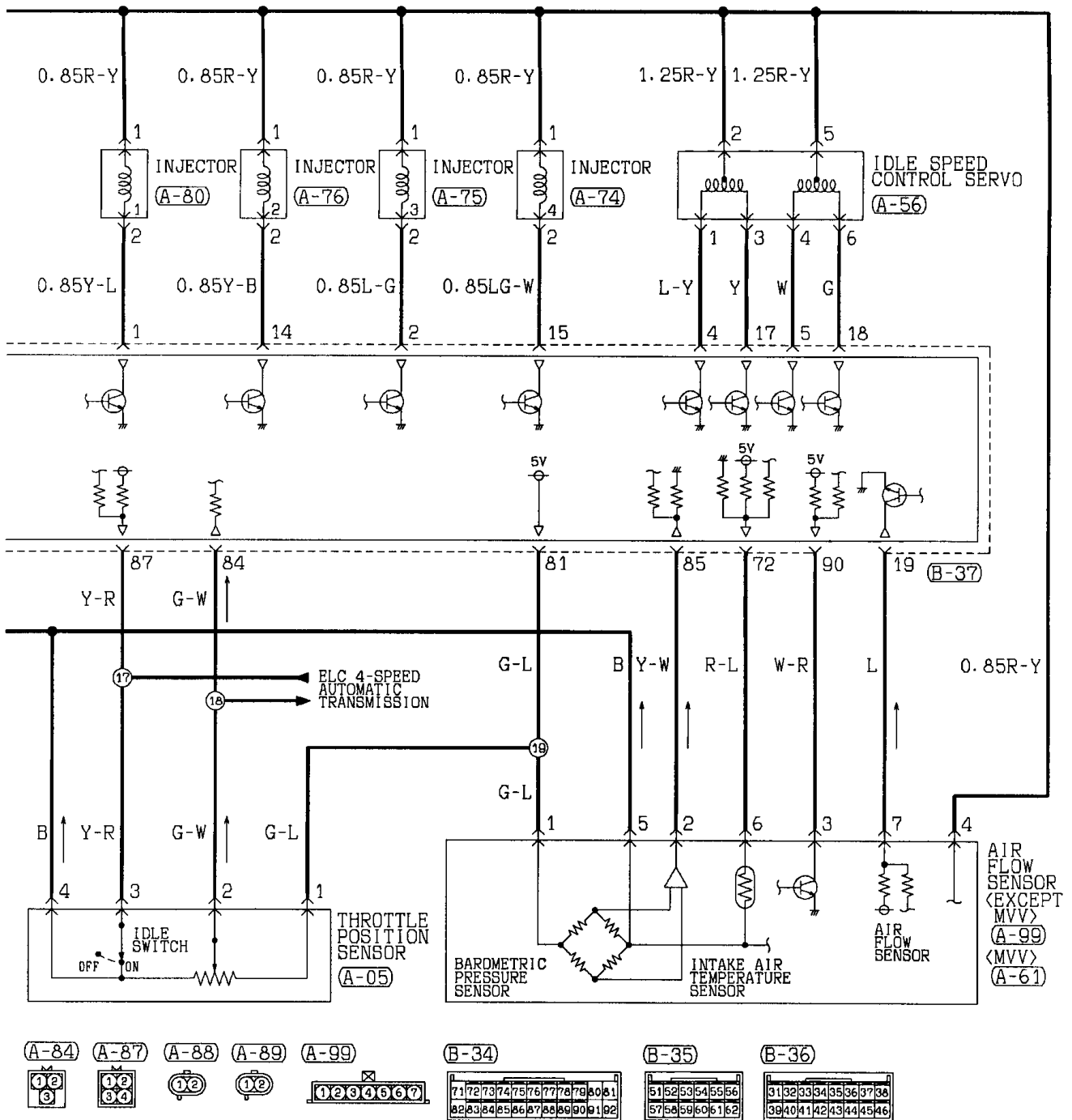
B-35



B-37

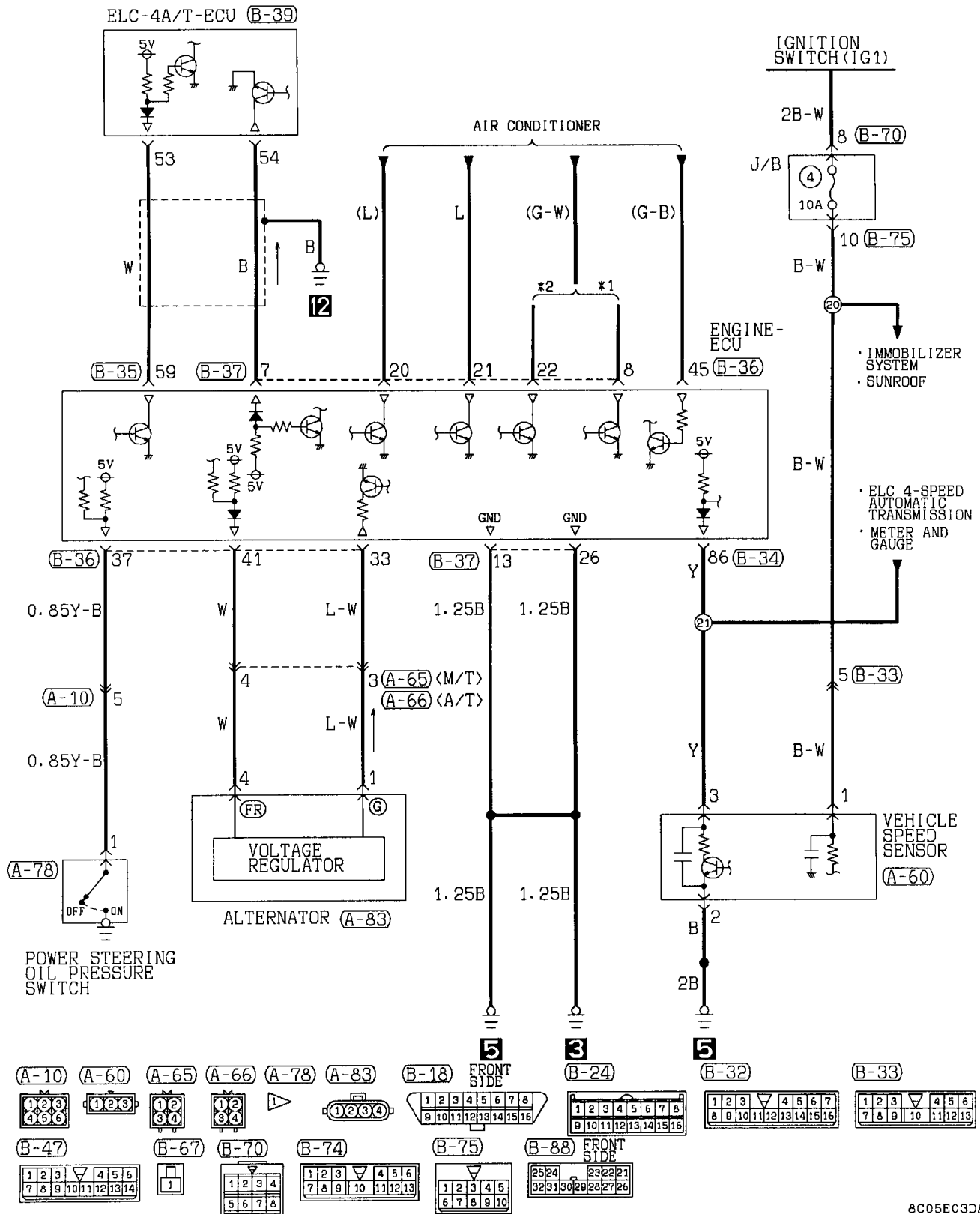


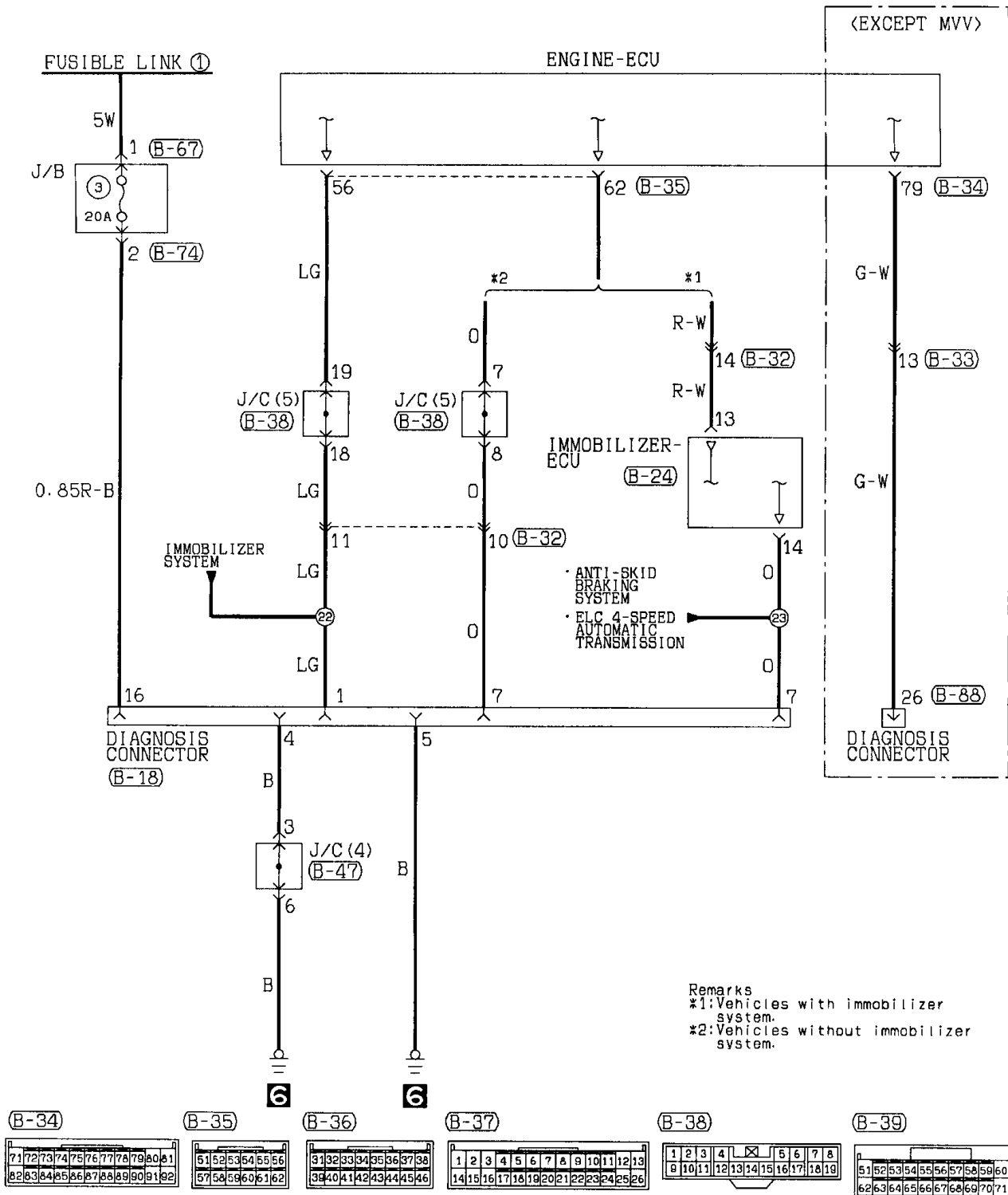




MPI SYSTEM

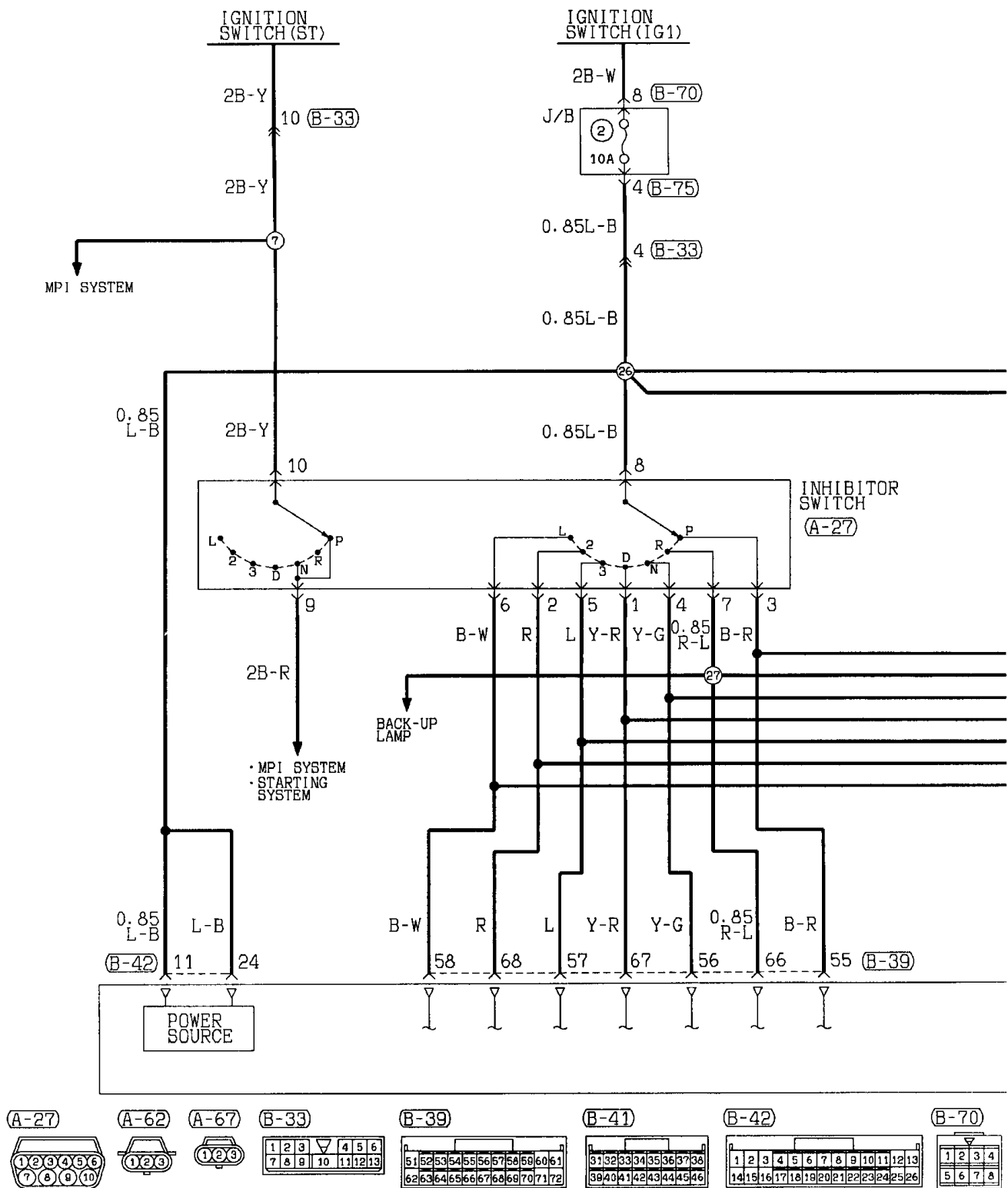
4G92 <R.H. drive vehicles> (CONTINUED)

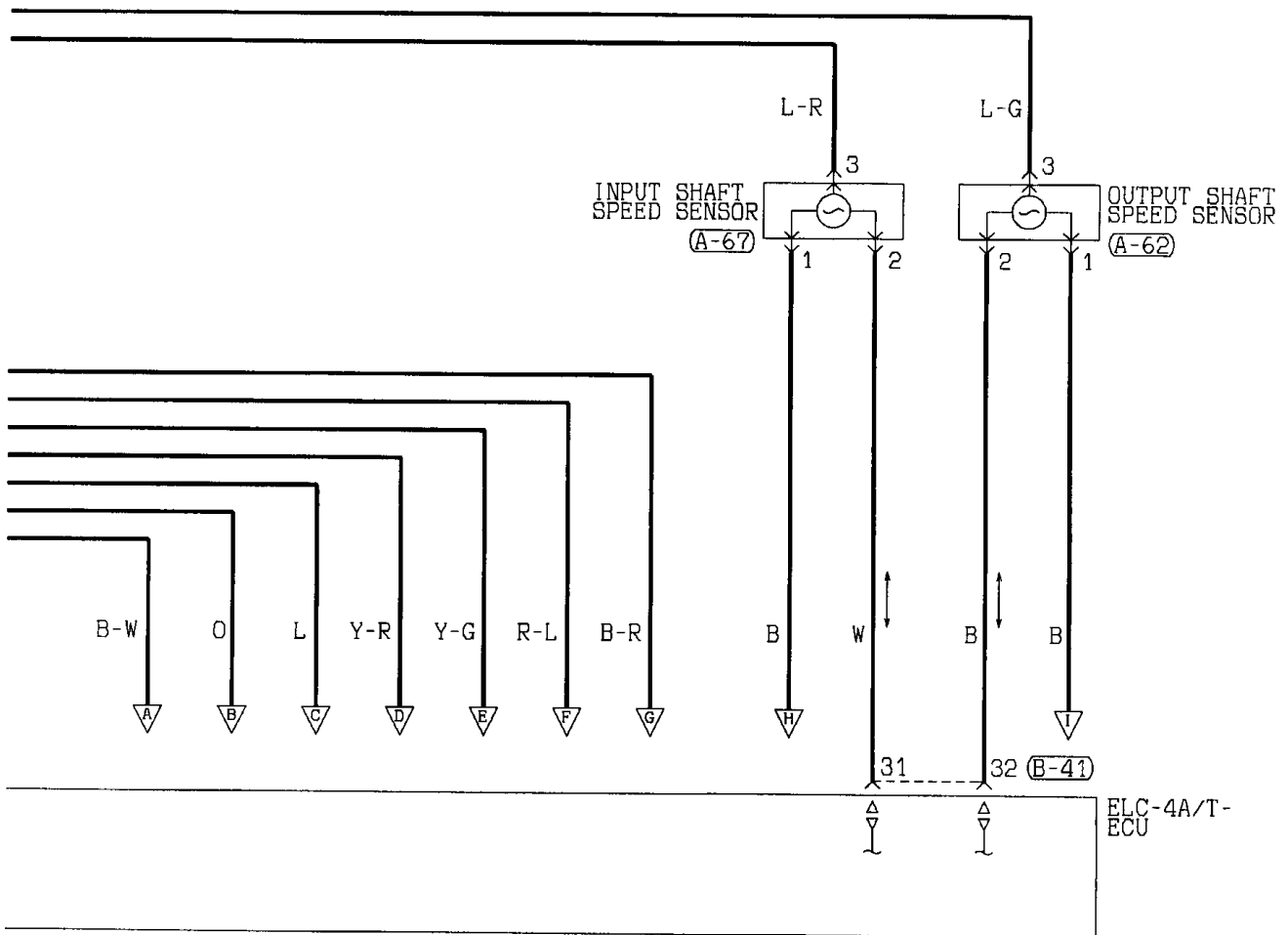




ELC 4-SPEED AUTOMATIC TRANSMISSION

L.H. drive vehicles

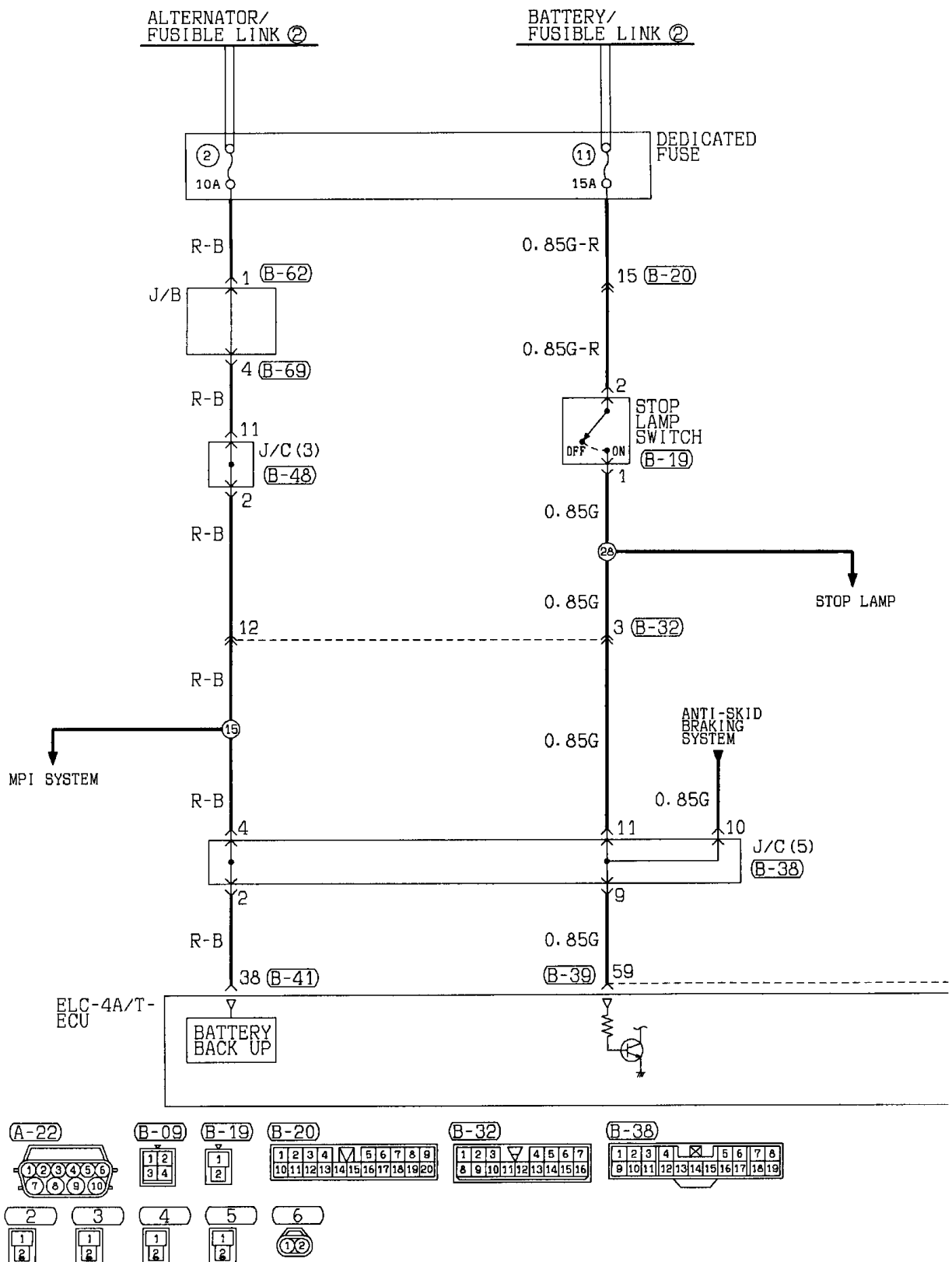


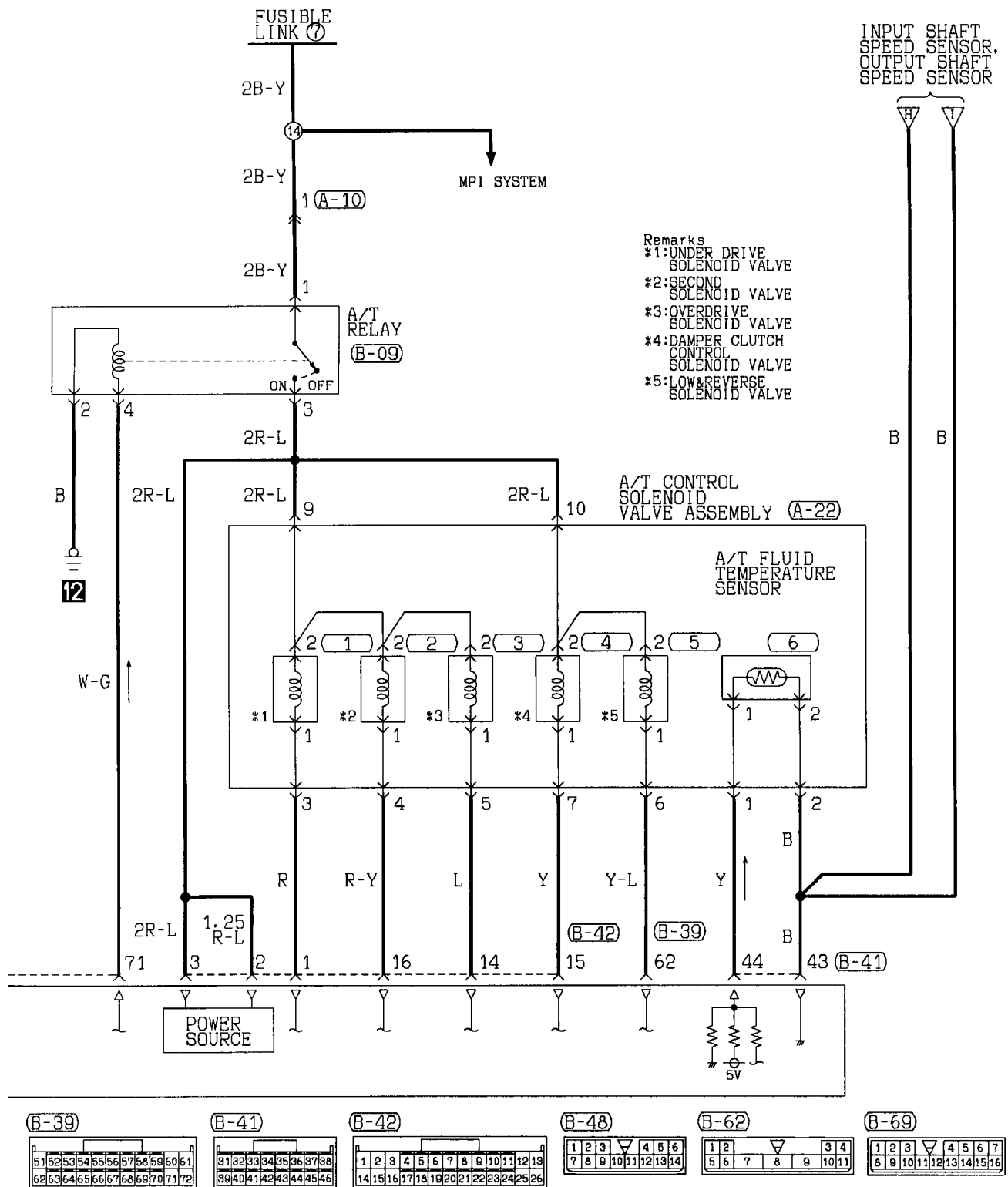


(B-75)

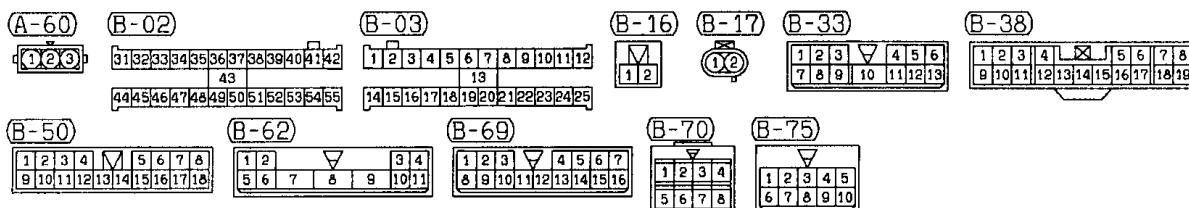
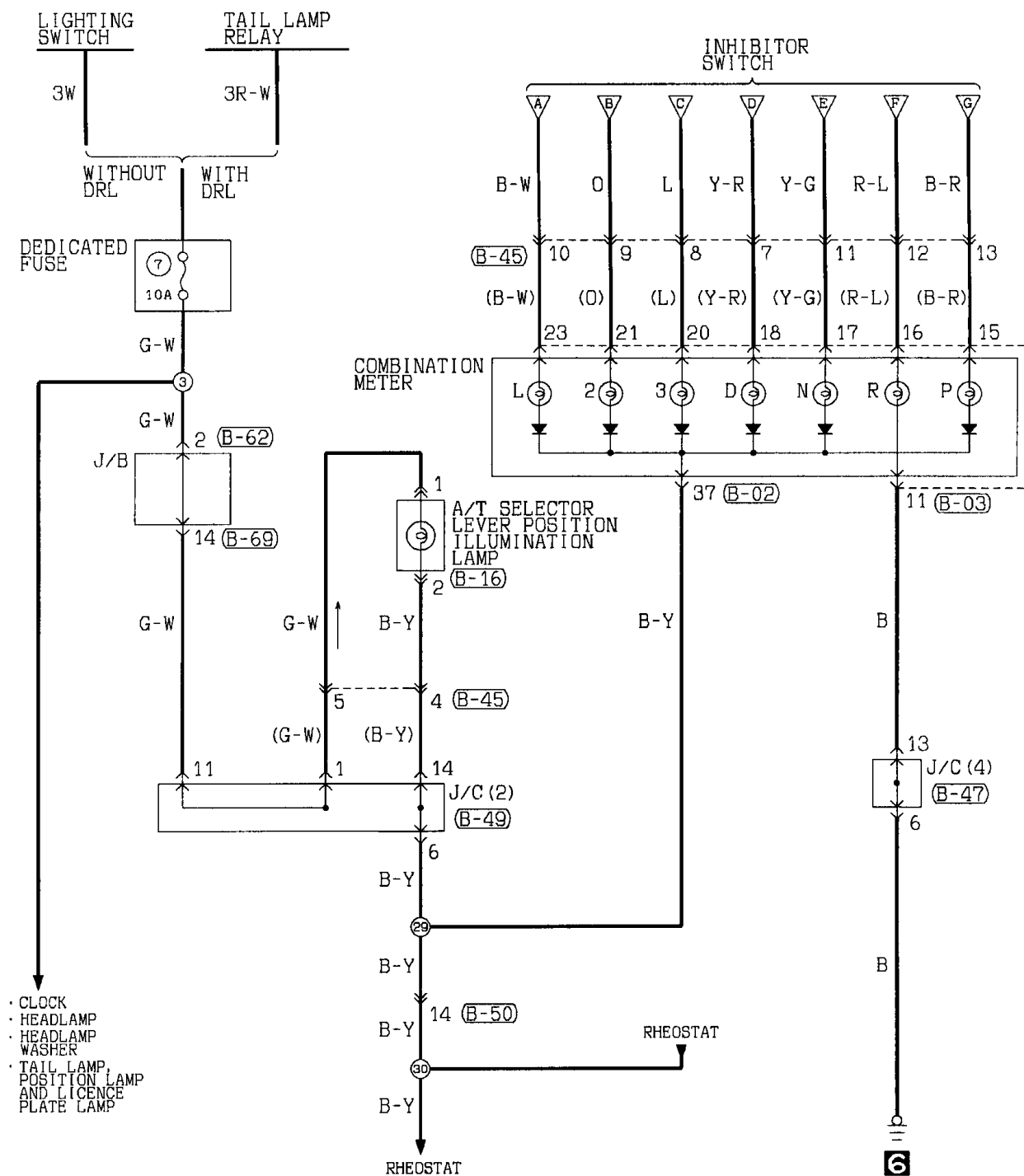
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6	7	8	9	10

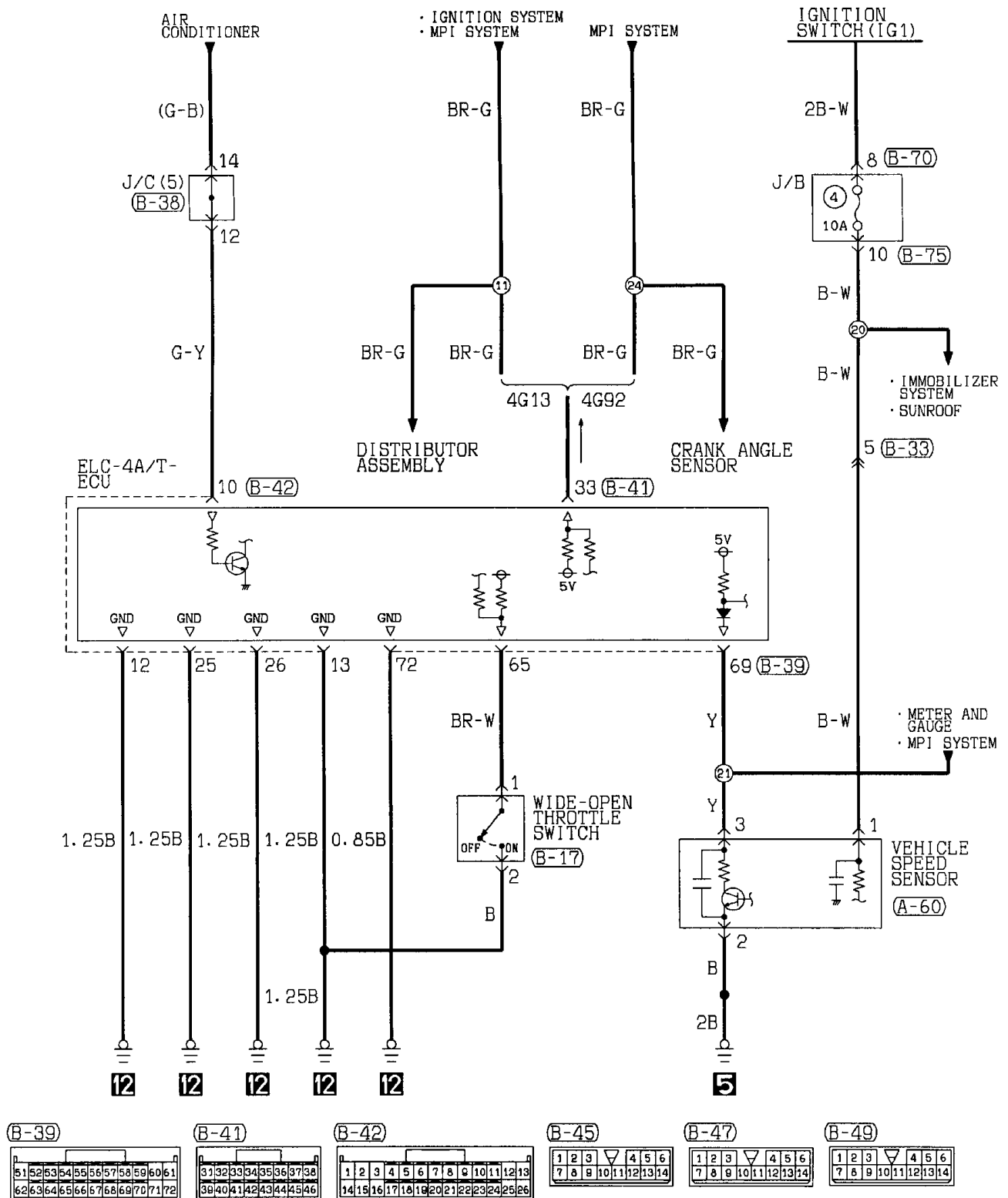
ELC 4-SPEED AUTOMATIC TRANSMISSION L.H. drive vehicles (CONTINUED)



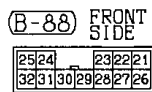
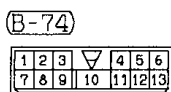
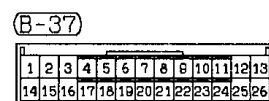
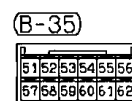
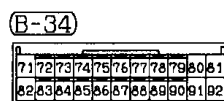
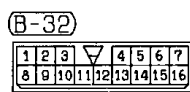
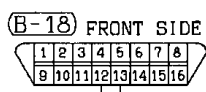
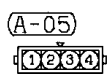
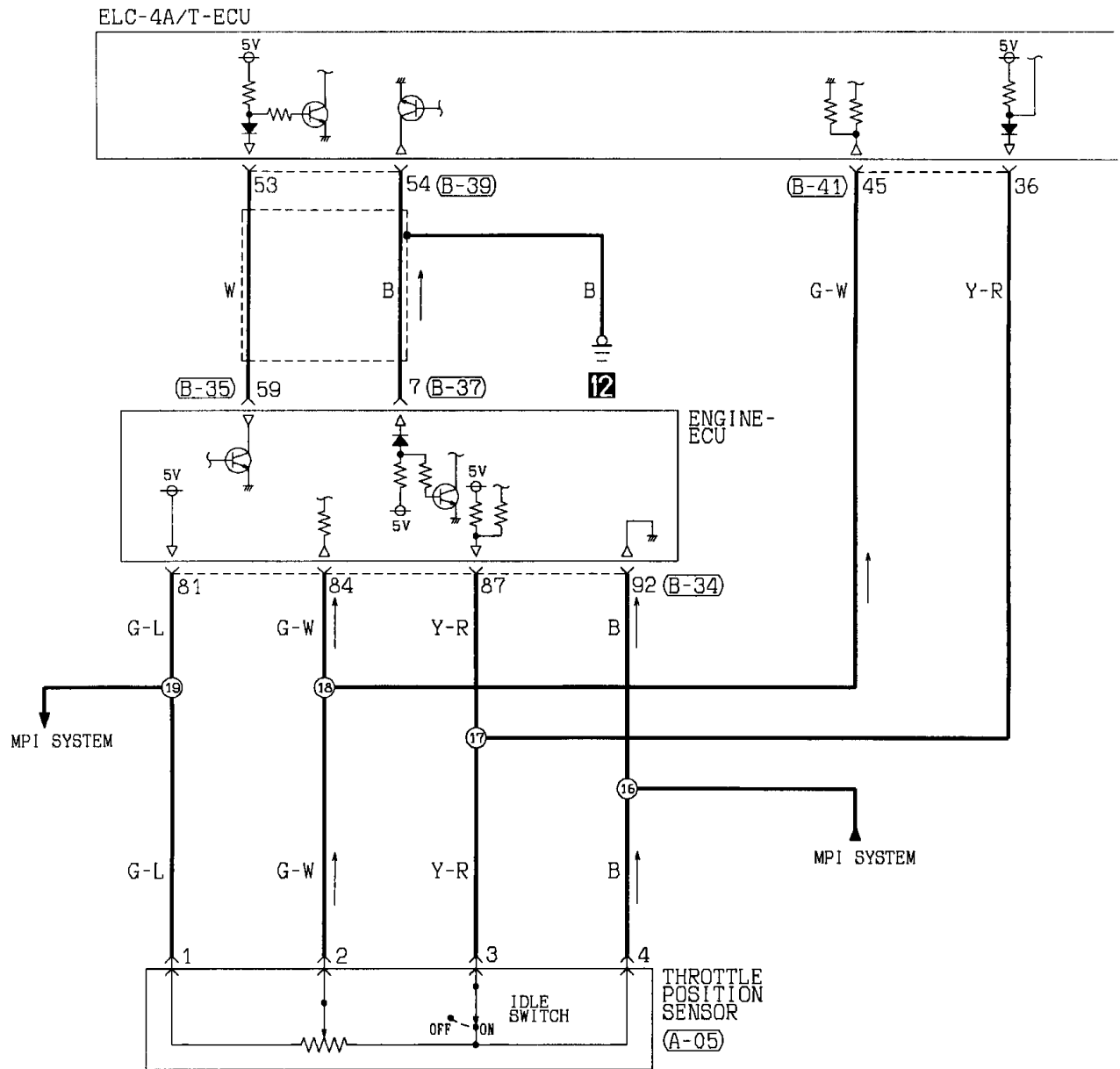


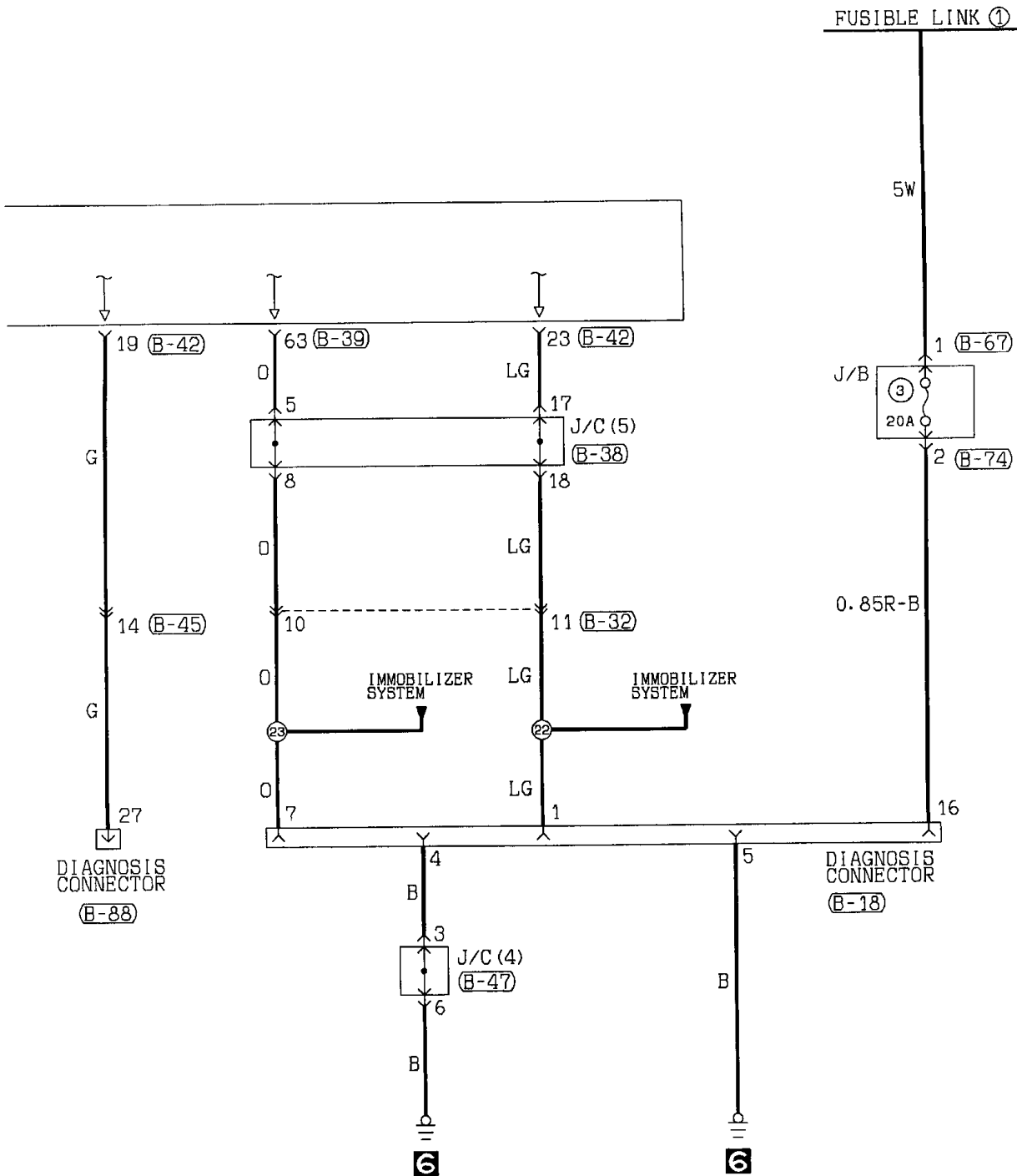
ELC 4-SPEED AUTOMATIC TRANSMISSION L.H. drive vehicles (CONTINUED)





ELC 4-SPEED AUTOMATIC TRANSMISSION L.H. drive vehicles (CONTINUED)





(B-38)

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

(B-39)

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

(B-41)

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

(B-42)

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-45)

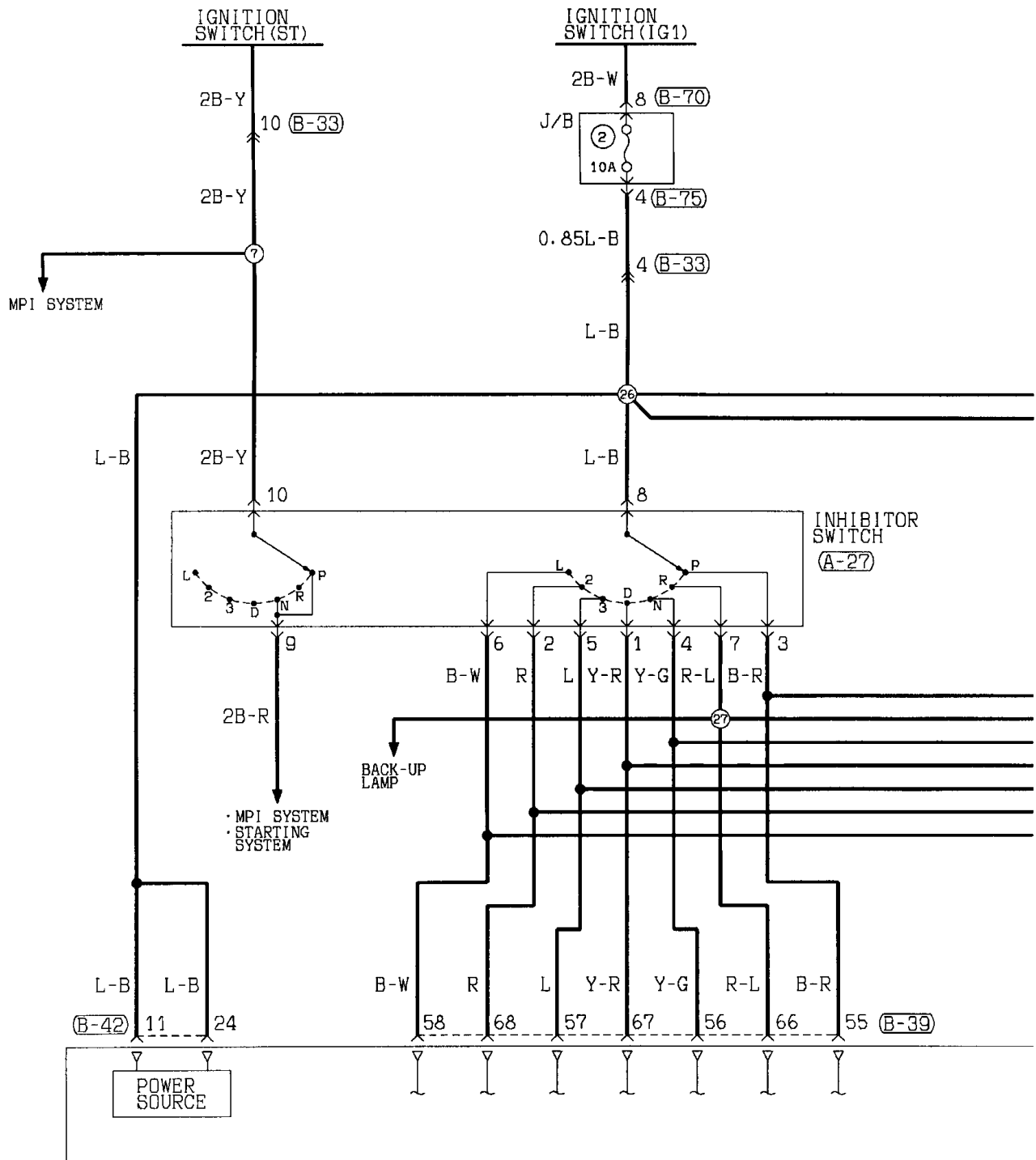
1	2	3	4	5	6
7	8	9	10	11	12
13	14				

(B-47)

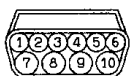
1	2	3	4	5	6
7	8	9	10	11	12
13	14				

ELC 4-SPEED AUTOMATIC TRANSMISSION

R.H. drive vehicles



(A-27)



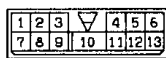
(A-62)



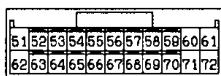
(A-67)



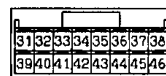
(B-33)



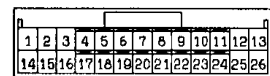
(B-39)



(B-41)

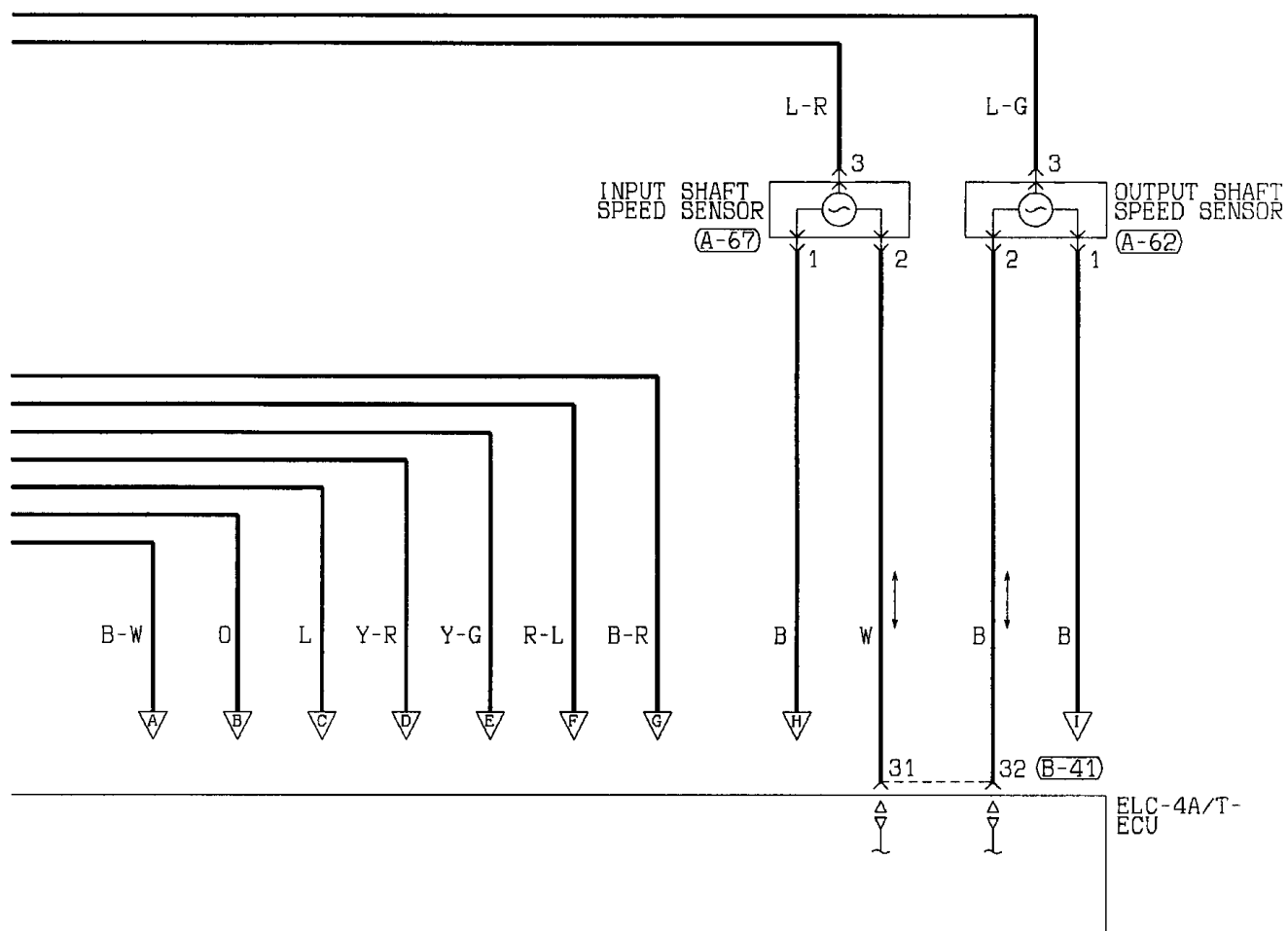


(B-42)



(B-70)

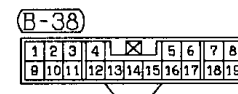
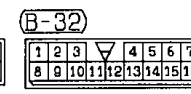
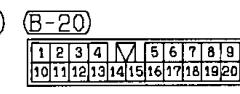
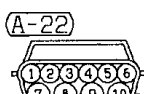
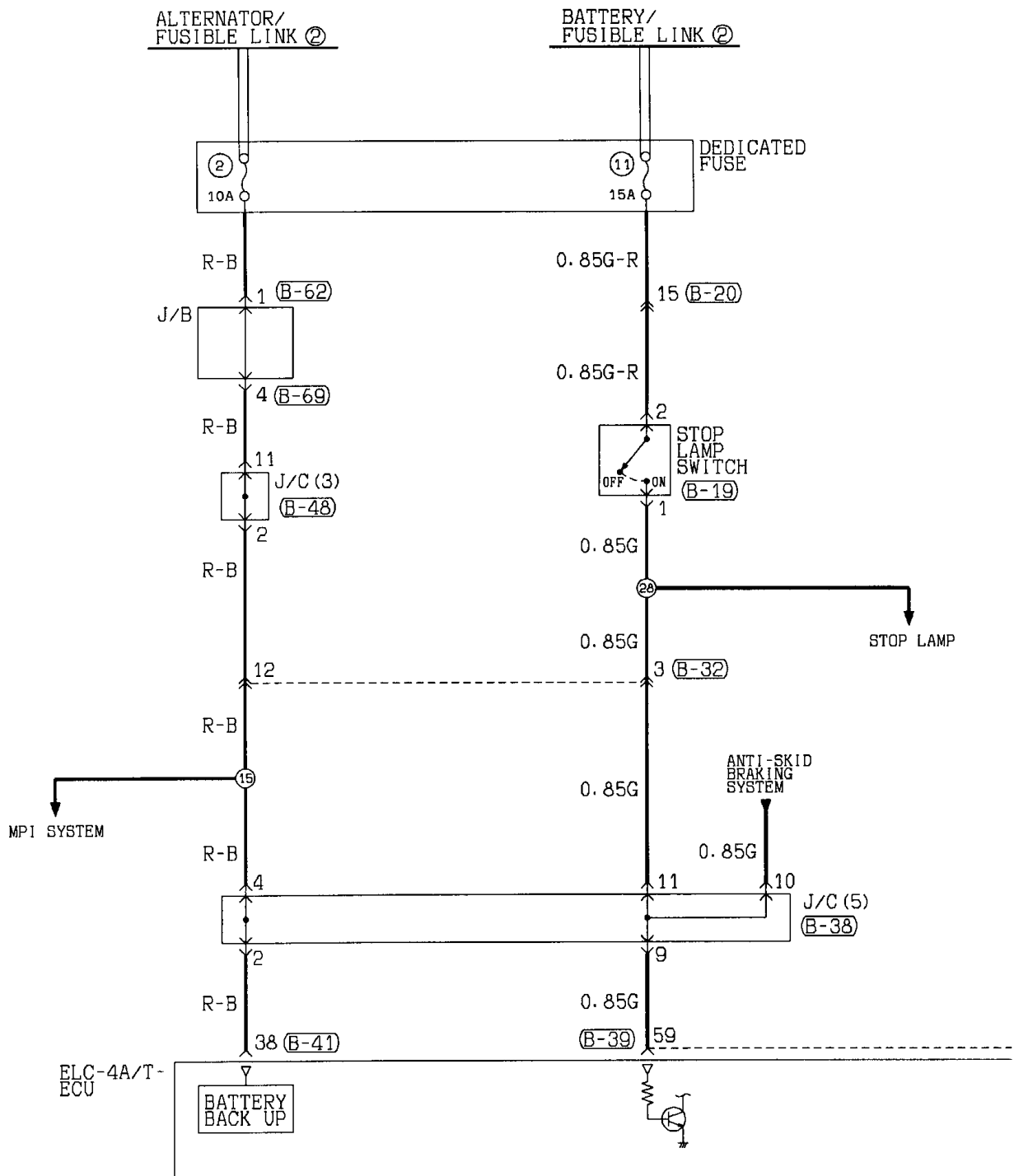


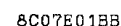


(B-75)

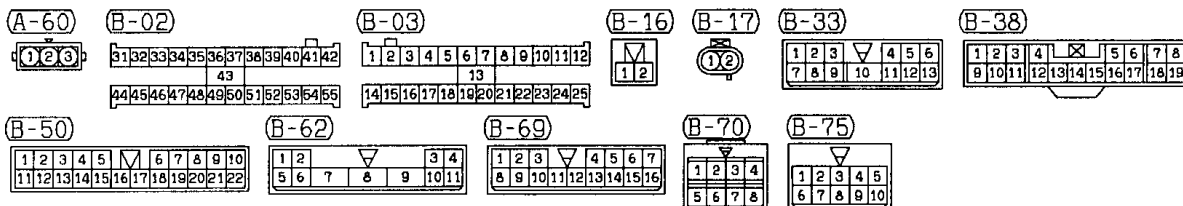
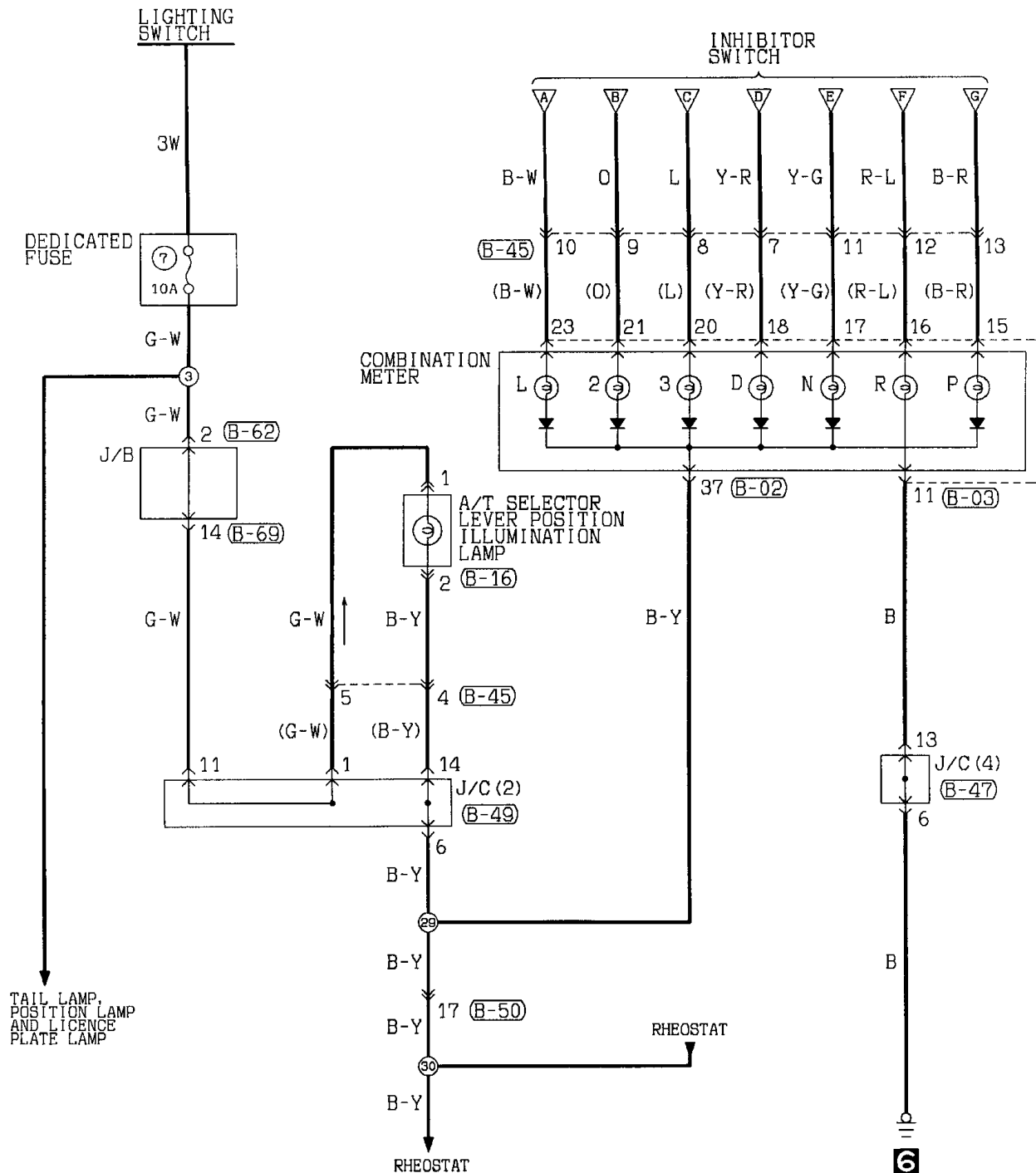
1	2	3	4	5
6	7	8	9	10

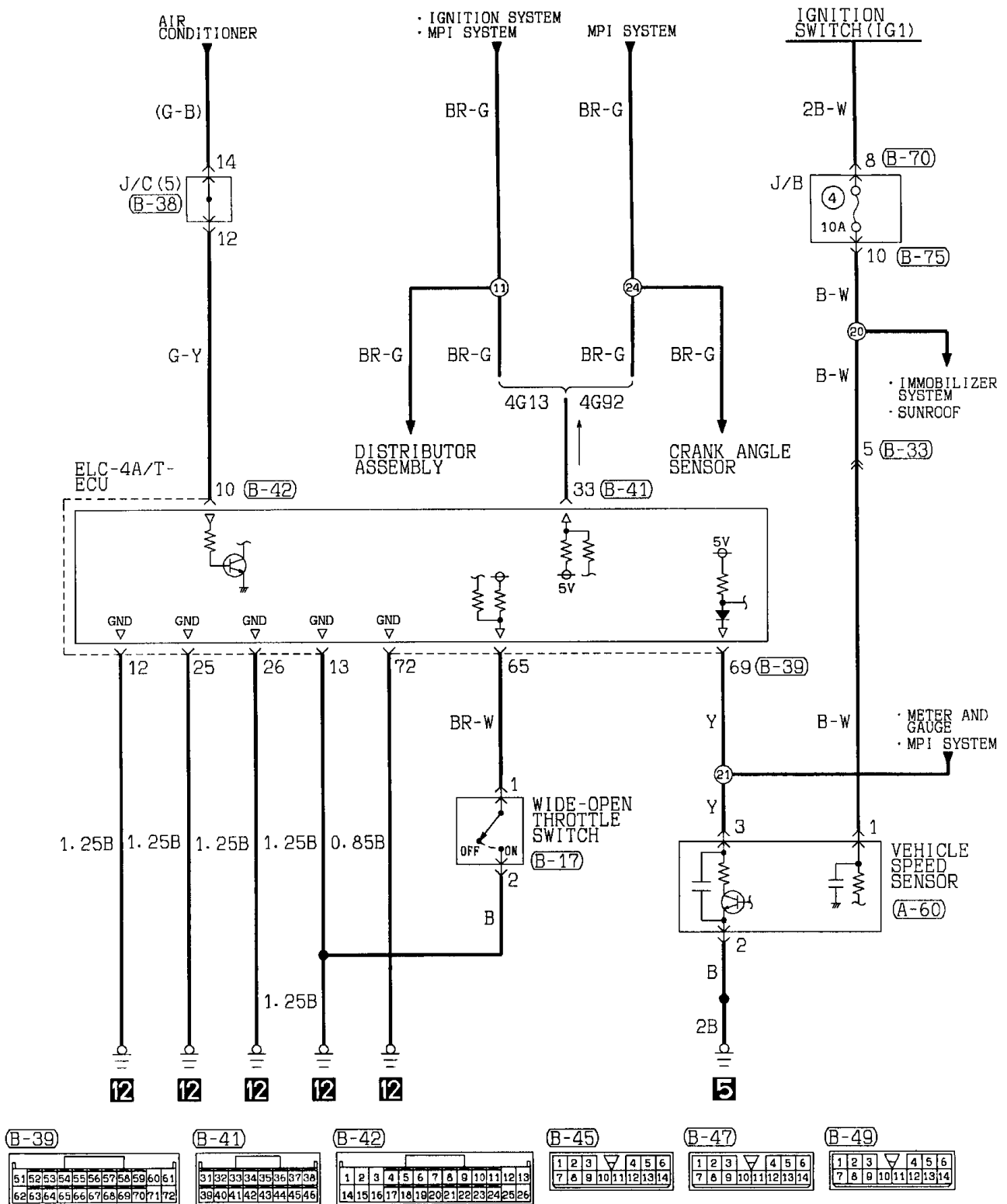
ELC 4-SPEED AUTOMATIC TRANSMISSION R.H. drive vehicles (CONTINUED)



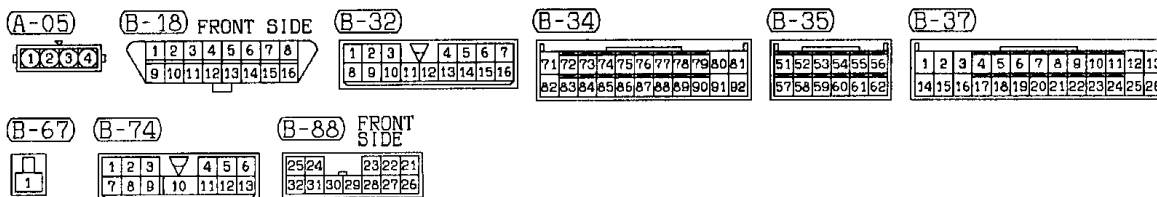


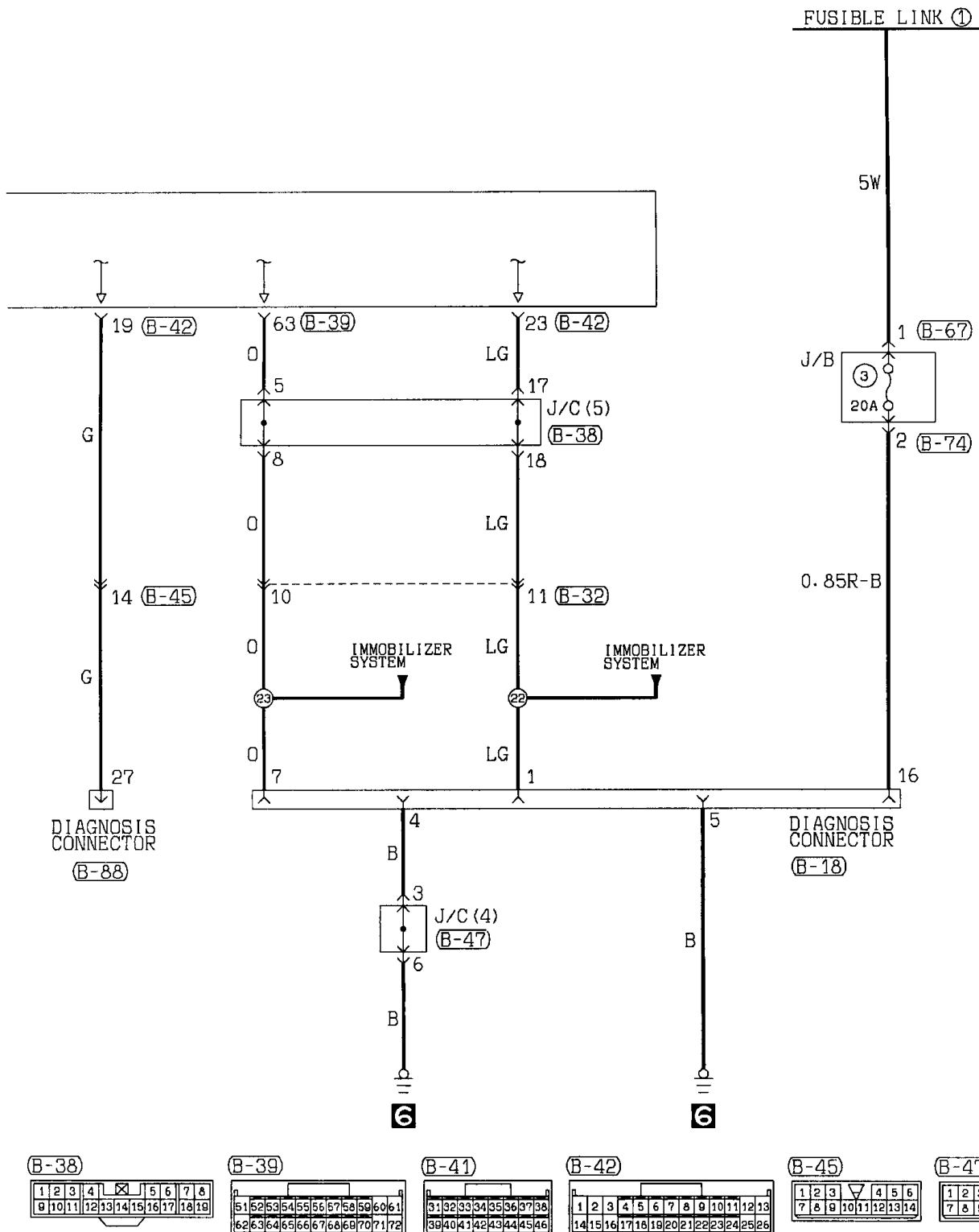
ELC 4-SPEED AUTOMATIC TRANSMISSION R.H. drive vehicles (CONTINUED)





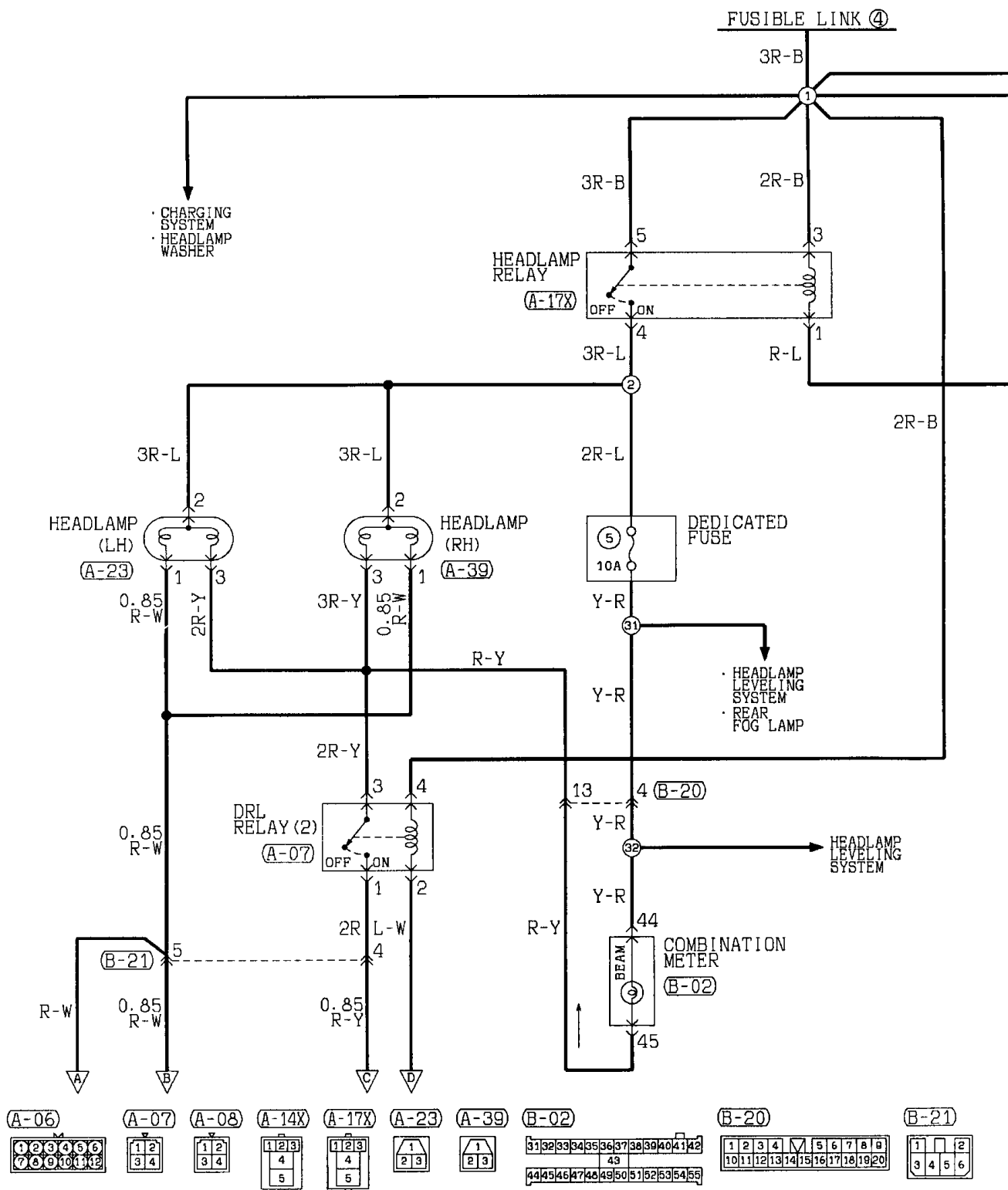
ELC-4A/T-ECU

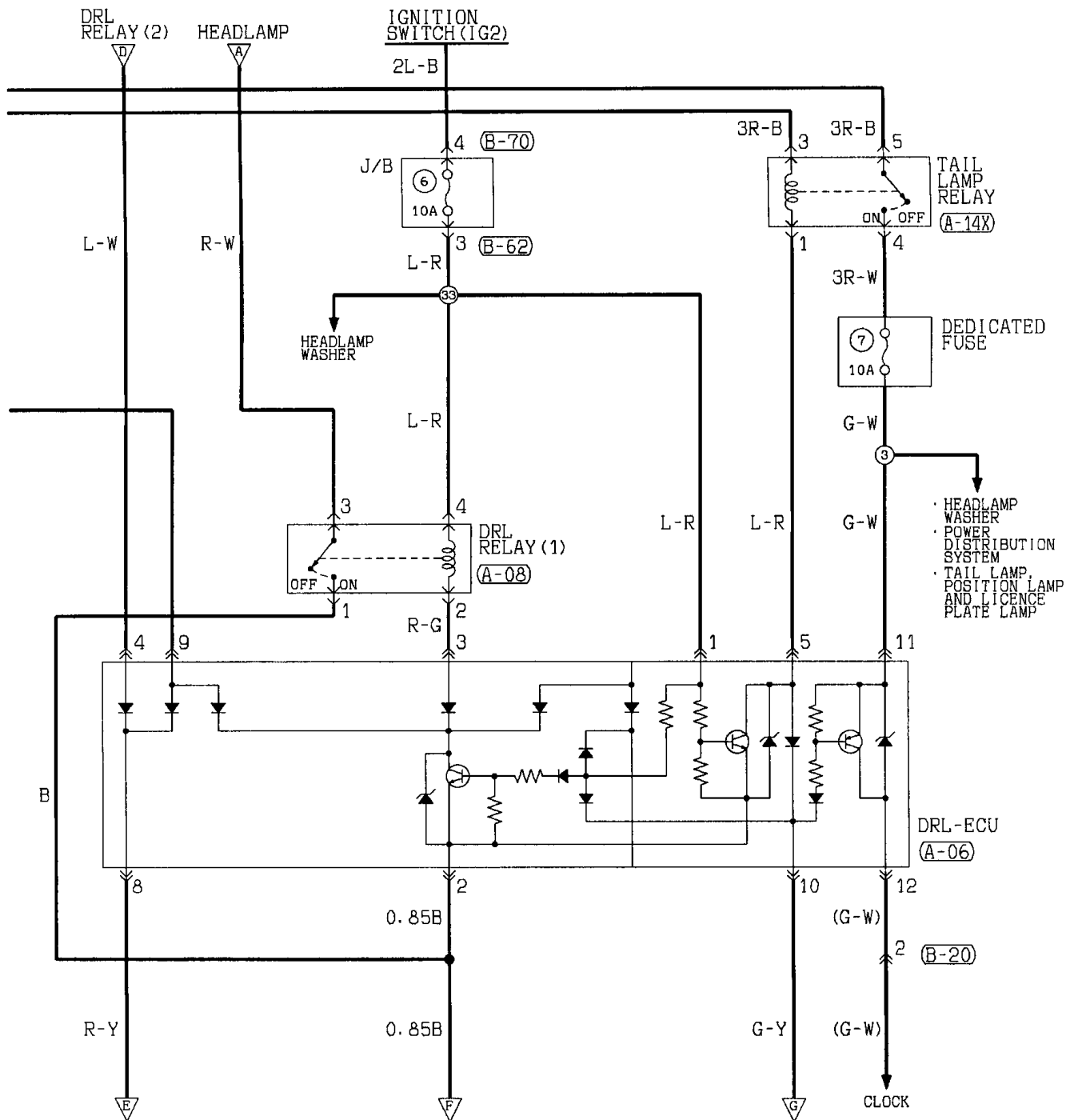




HEADLAMP

Vehicles with daytime running lamp





B-62

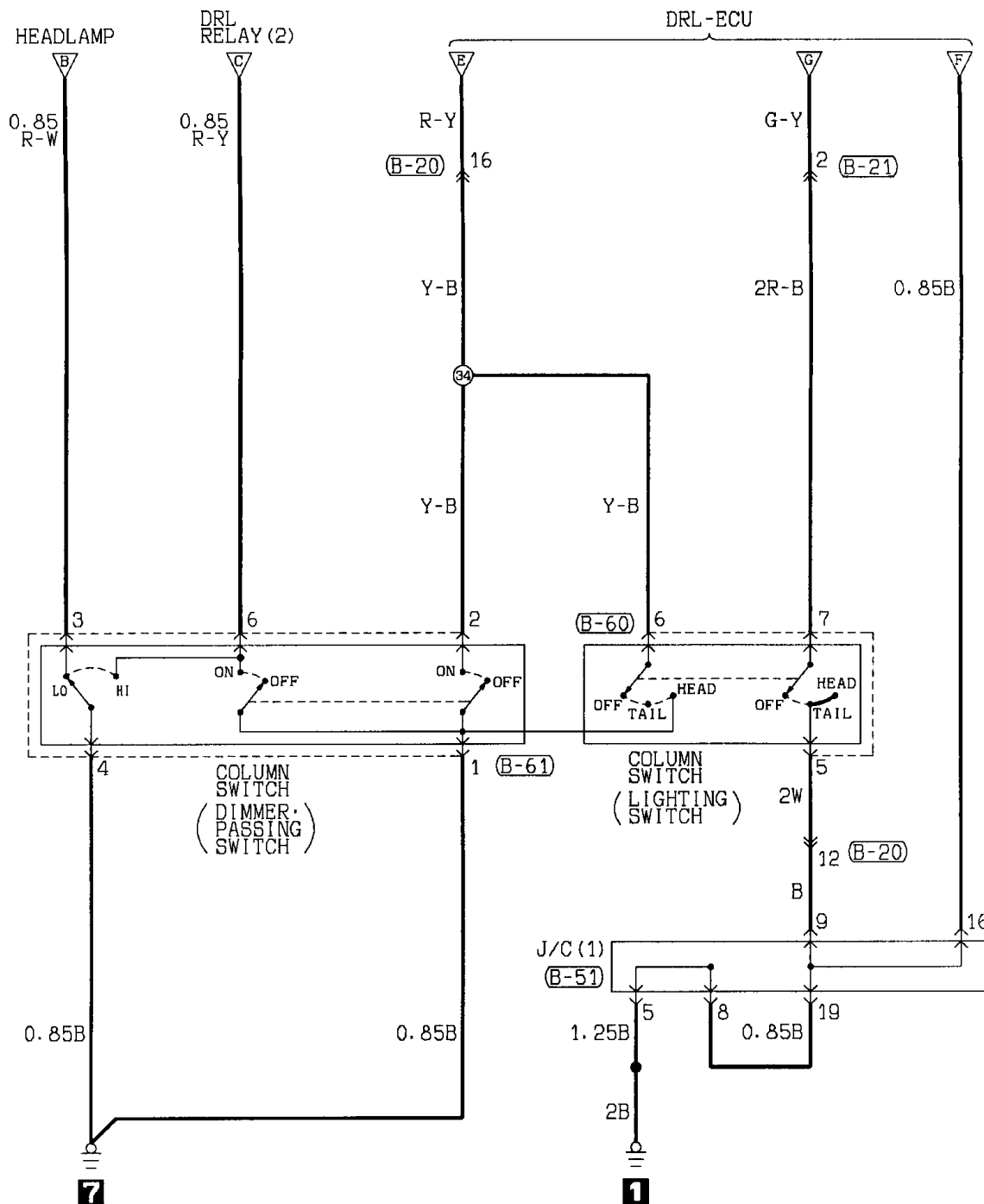
1	2	3	4	5	6	7	8	9	10	11
---	---	---	---	---	---	---	---	---	----	----

B-70

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

HEADLAMP

Vehicles with daytime running lamp (CONTINUED)



(B-20)

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

(B-21)

1	2	3
4	5	6

(B-51)

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

(B-60)

1	2	3	4
5	6	7	8
9	10		

(B-61)

1	2	3
4	5	6

HEADLAMP <Vehicles with daytime running lamp> (See P. 4-64.)**OPERATION**

Headlamp relay activation requirements

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

<Daytime running lamp operation>

- Turning the ignition switch to the ON position causes the headlamp relay, DRL relay 1, and tail lamp relay to be energized, which causes the headlamps, tail lamps, etc. to go on.

<Low-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay and DRL relay 2 to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

<Upper-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay and DRL relay 2 to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

<Upper-beam indicator lamp>

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

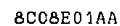
<Passing operation>

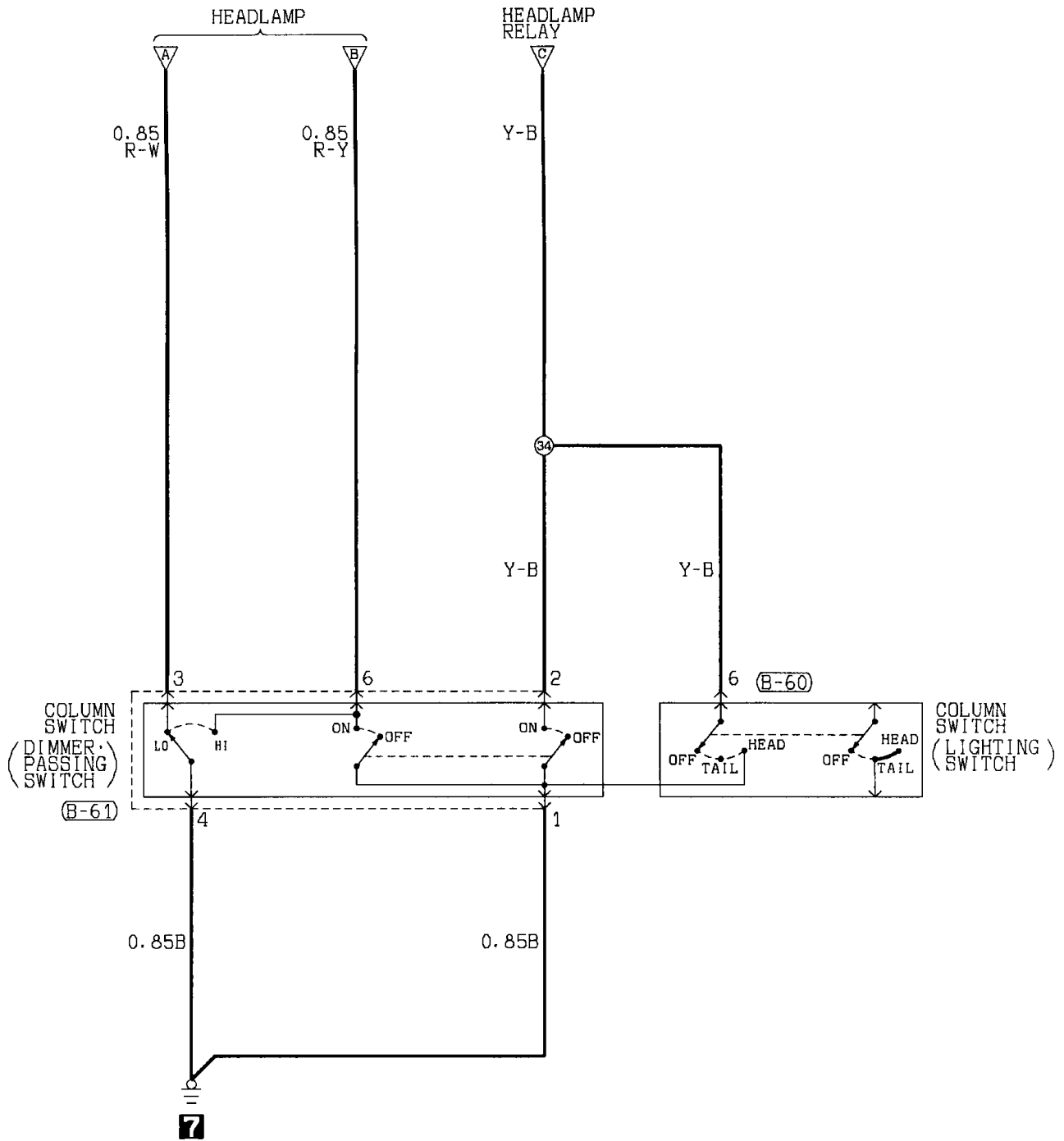
- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

TROUBLESHOOTING HINTS

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

Vehicles without daytime running lamp





HEADLAMP <Vehicles without daytime running lamp> (See P. 4-68.)**OPERATION**

Headlamp relay activation requirements

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

<Passing operation>

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

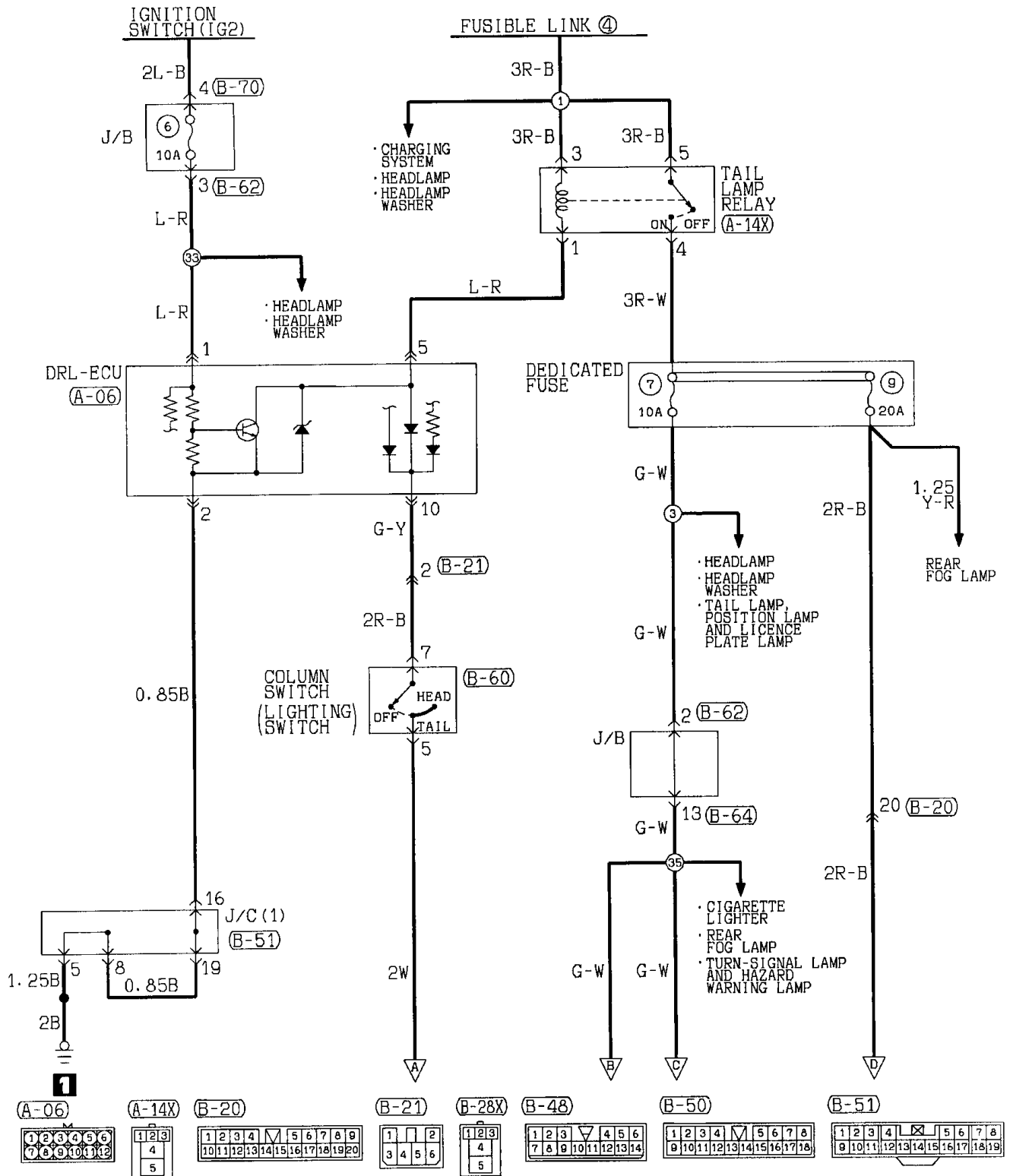
TROUBLESHOOTING HINTS

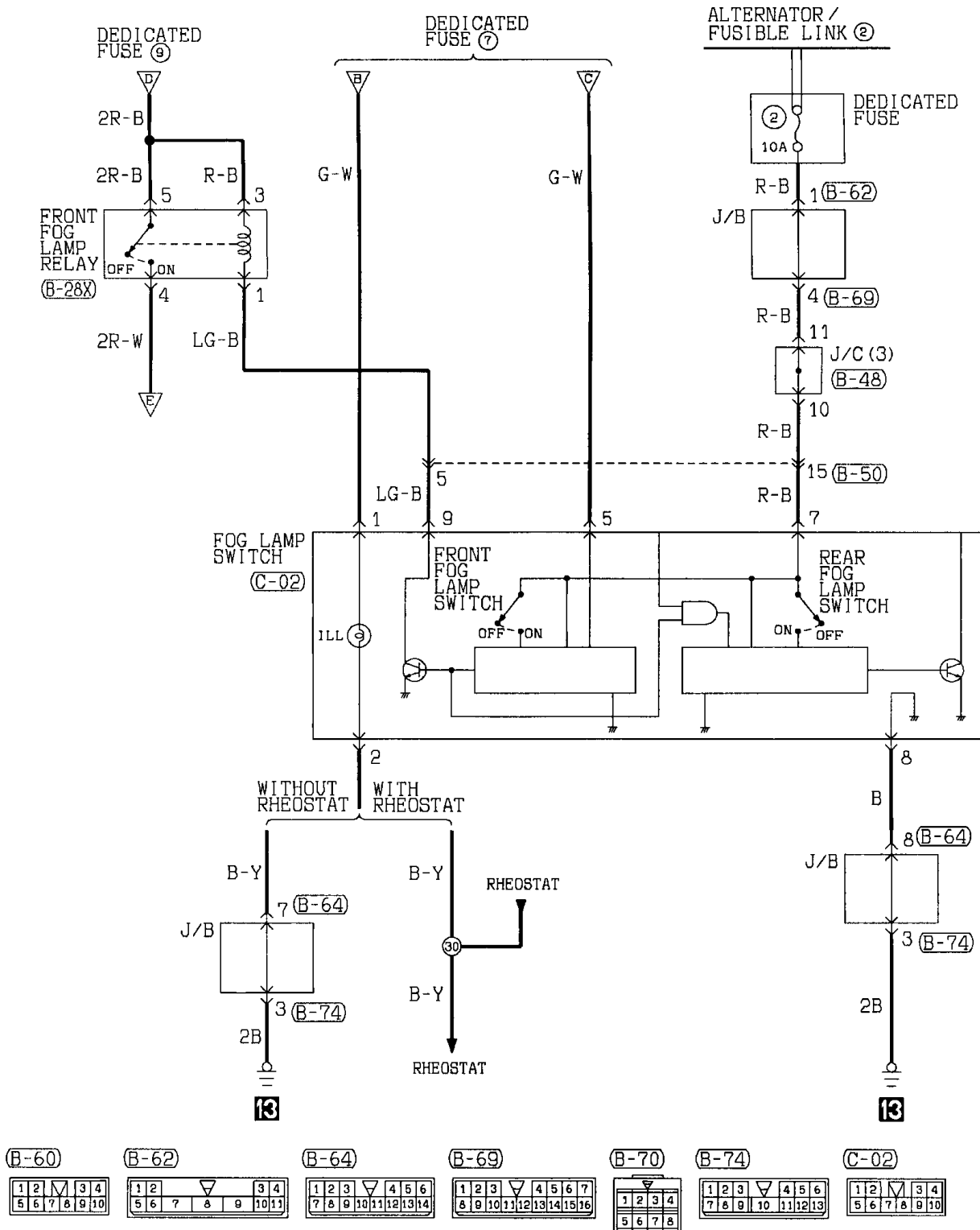
- Headlamps don't go on.
 - But the tail lamps illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate
 - Check the fusible link No. (4).
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam at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

NOTES

FRONT FOG LAMP

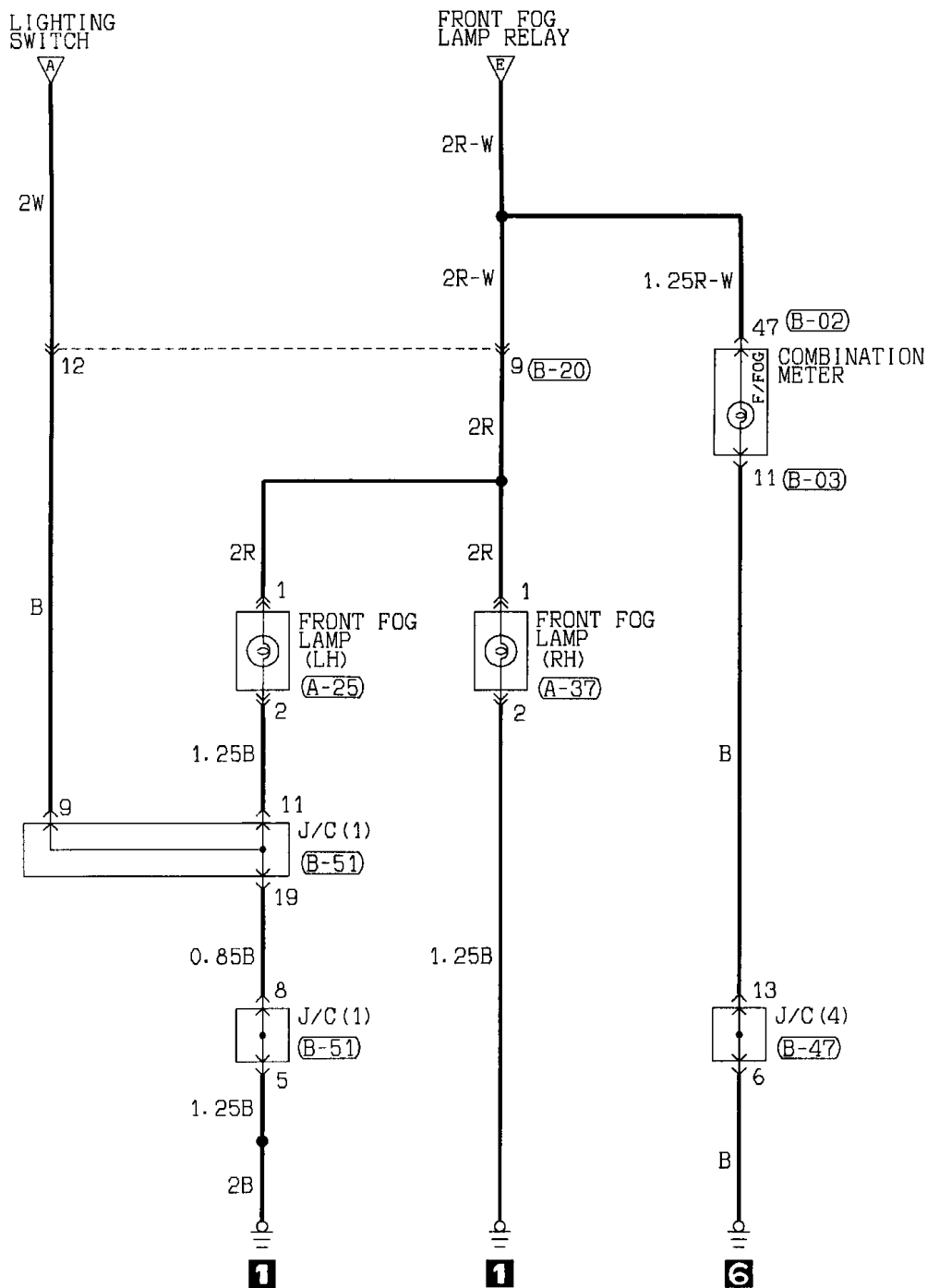
Vehicles with daytime running lamp





FRONT FOG LAMP

Vehicles with daytime running lamp (CONTINUED)



(A-25) (A-37) (B-02)

(1)2

(1)2

31 32 33 34 35 36 37 38 39 40 41 42

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

(B-03)

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

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

(B-20)

1 2 3 4 5 6 7 8 9

10 11 12 13 14 15 16 17 18 19 20

(B-47)

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 19

FRONT FOG LAMP <Vehicles with daytime running lamp> (See P. 4-72.)**OPERATION**

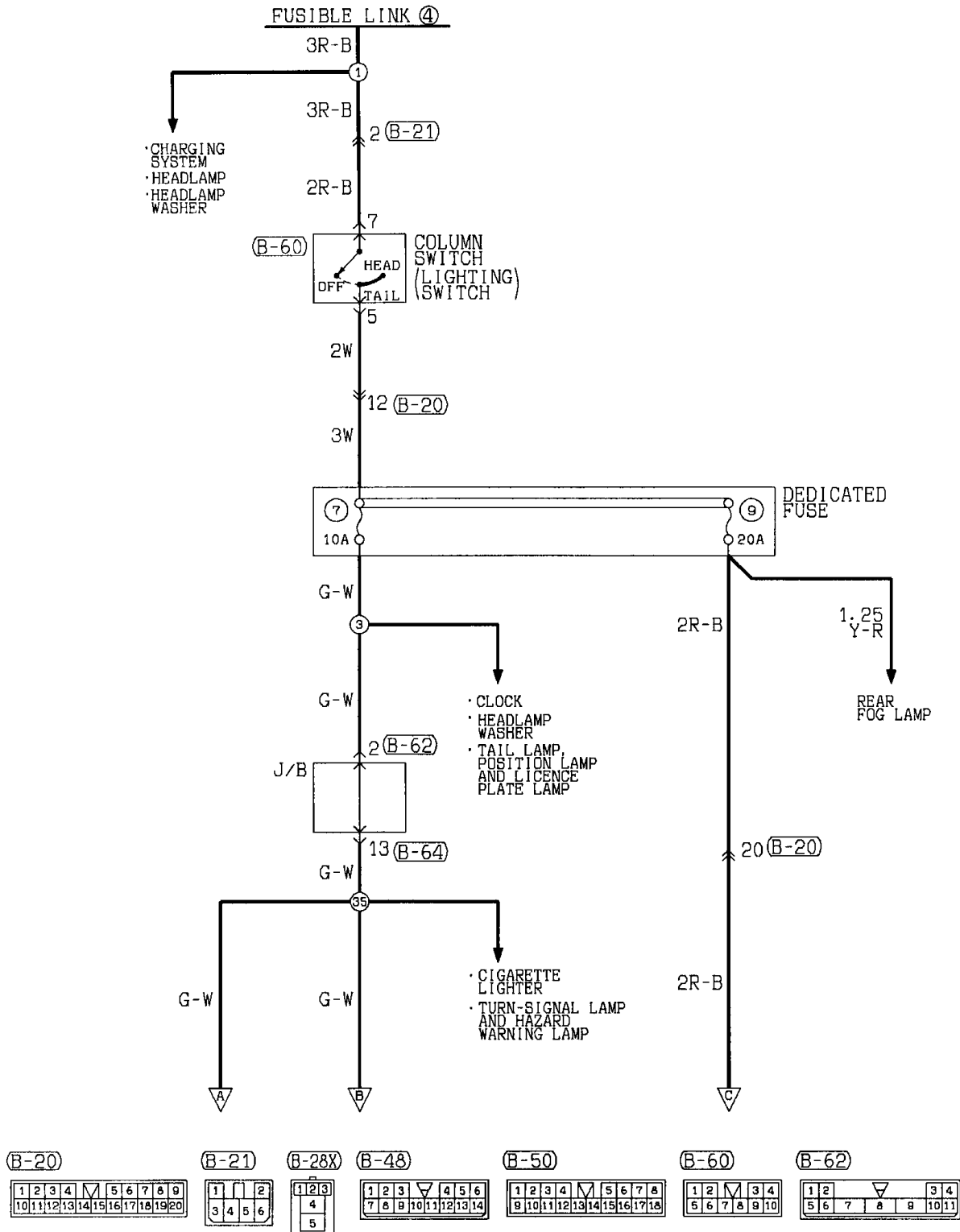
- When the lighting switch is moved to the TAIL position, the tail lamp relay turns on, and system voltage is applied to the front fog lamp relay via dedicated fuse No. (9).
- If the front fog lamp switch is turned on at this time, the front fog lamp relay turn on, and current flows through dedicated fuse No. (9) so that the fog lamps illuminate.

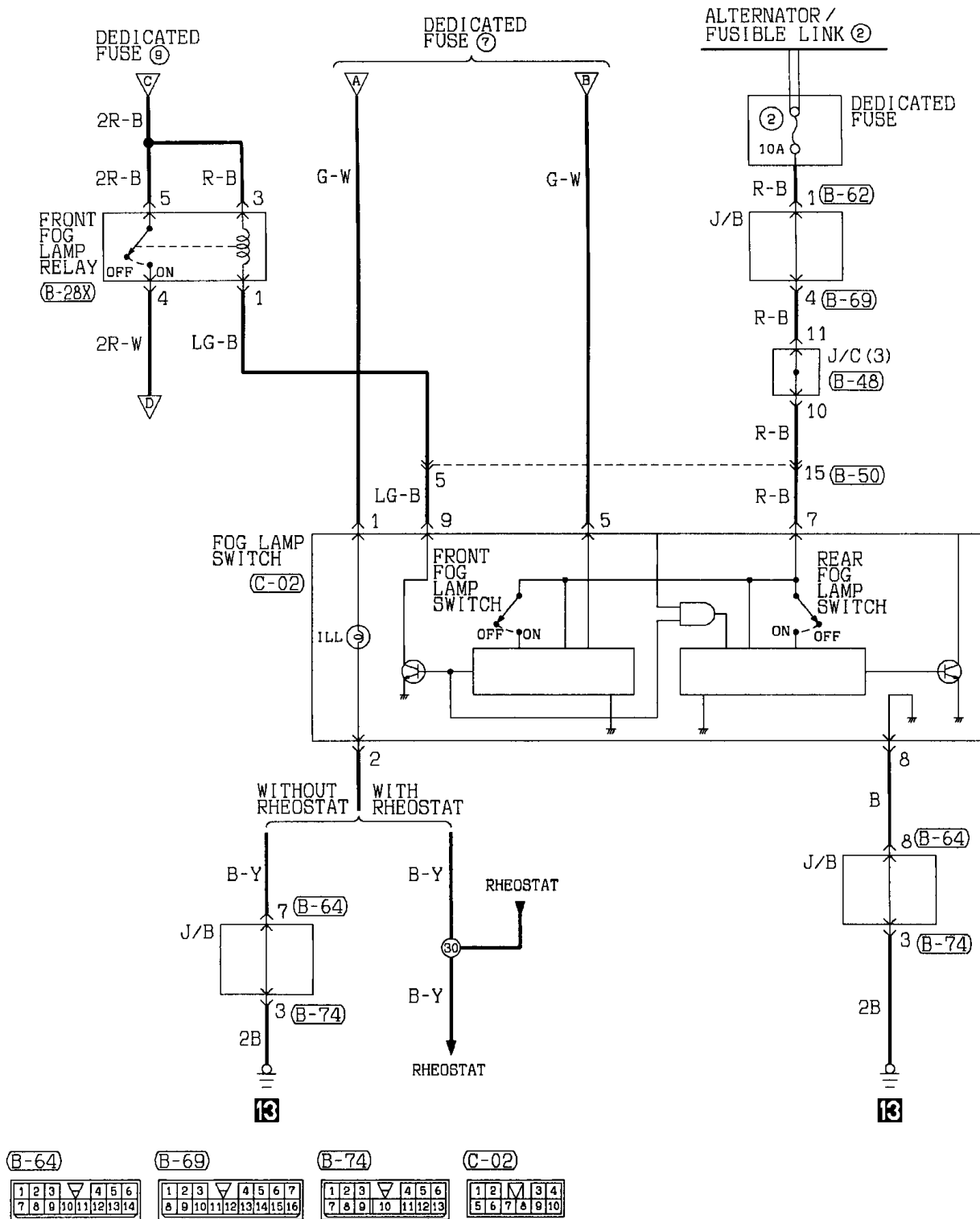
TROUBLESHOOTING HINTS

1. The front fog lamp does not illuminate.
 - (1) The tail lamps illuminate.
 - Check the dedicated fuse No. (9)
 - Check the front fog lamp switch.
 - Check the front fog lamp relay.
 - (2) The tail lamps do not illuminate, either.
 - Check the fusible link No. (4).
 - Check the tail lamp relay.
2. The front fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

FRONT FOG LAMP

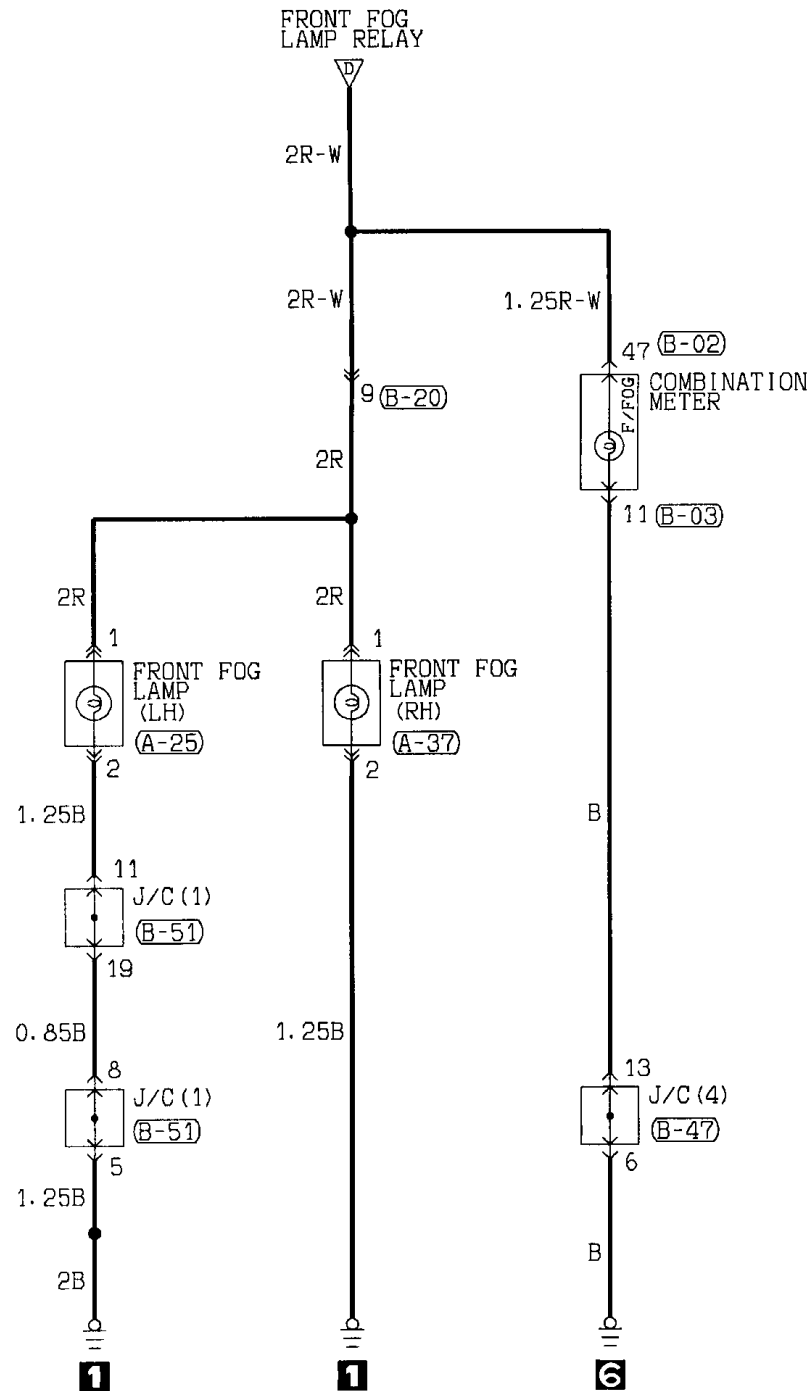
L.H. drive vehicles without daytime running lamp





FRONT FOG LAMP

L.H. drive vehicles without daytime running lamp (CONTINUED)



(A-25) (A-37) (B-02)



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

(B-03)

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

(B-20)

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

(B-47)

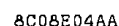
1	2	3	4	5	6
7	8	9	10	11	12

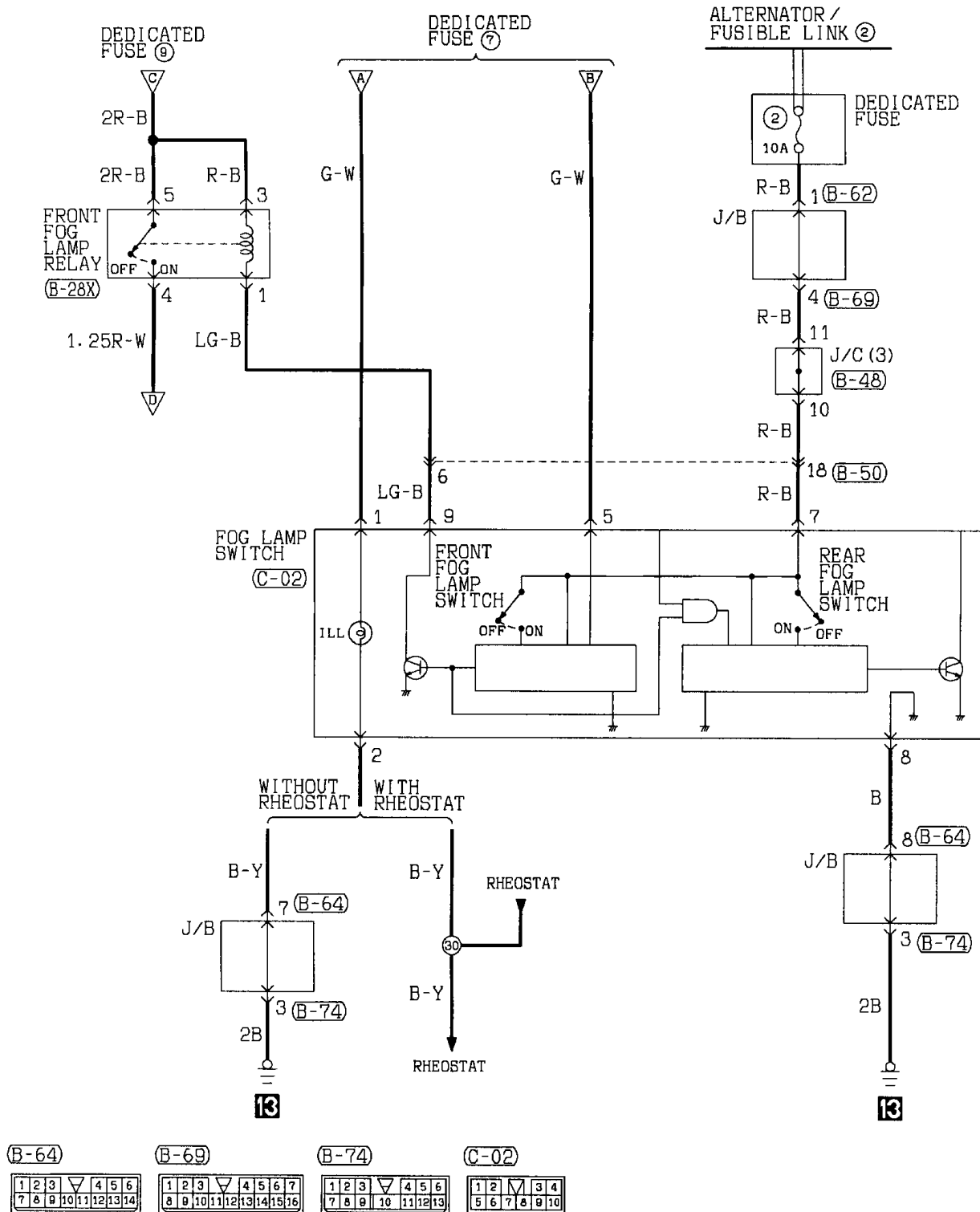
(B-51)

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

NOTES

R.H. drive vehicles





FRONT FOG LAMP <Vehicles without daytime running lamp> (See P. 4-76, 80.)**OPERATION**

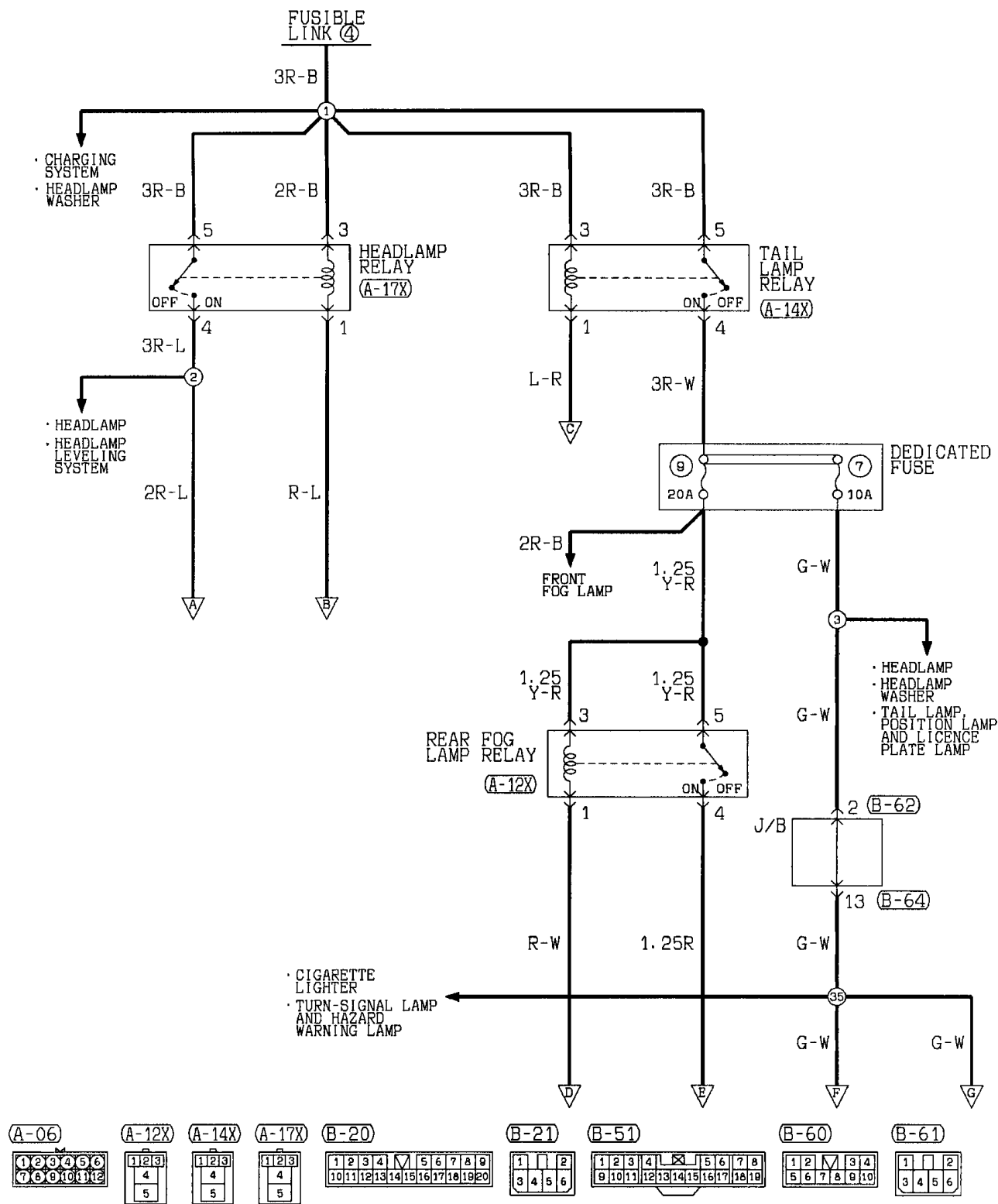
- When the front fog lamp switch is moved to the ON position, current flows through dedicated fuse No. (9) and the front fog lamps illuminate.
- At the same time, current flows through dedicated fuse No. (7) so that the tail lamps, position lamps, licence plate lamp and illumination lamp illuminate in the same way as when the lighting switch is moved to the TAIL position.

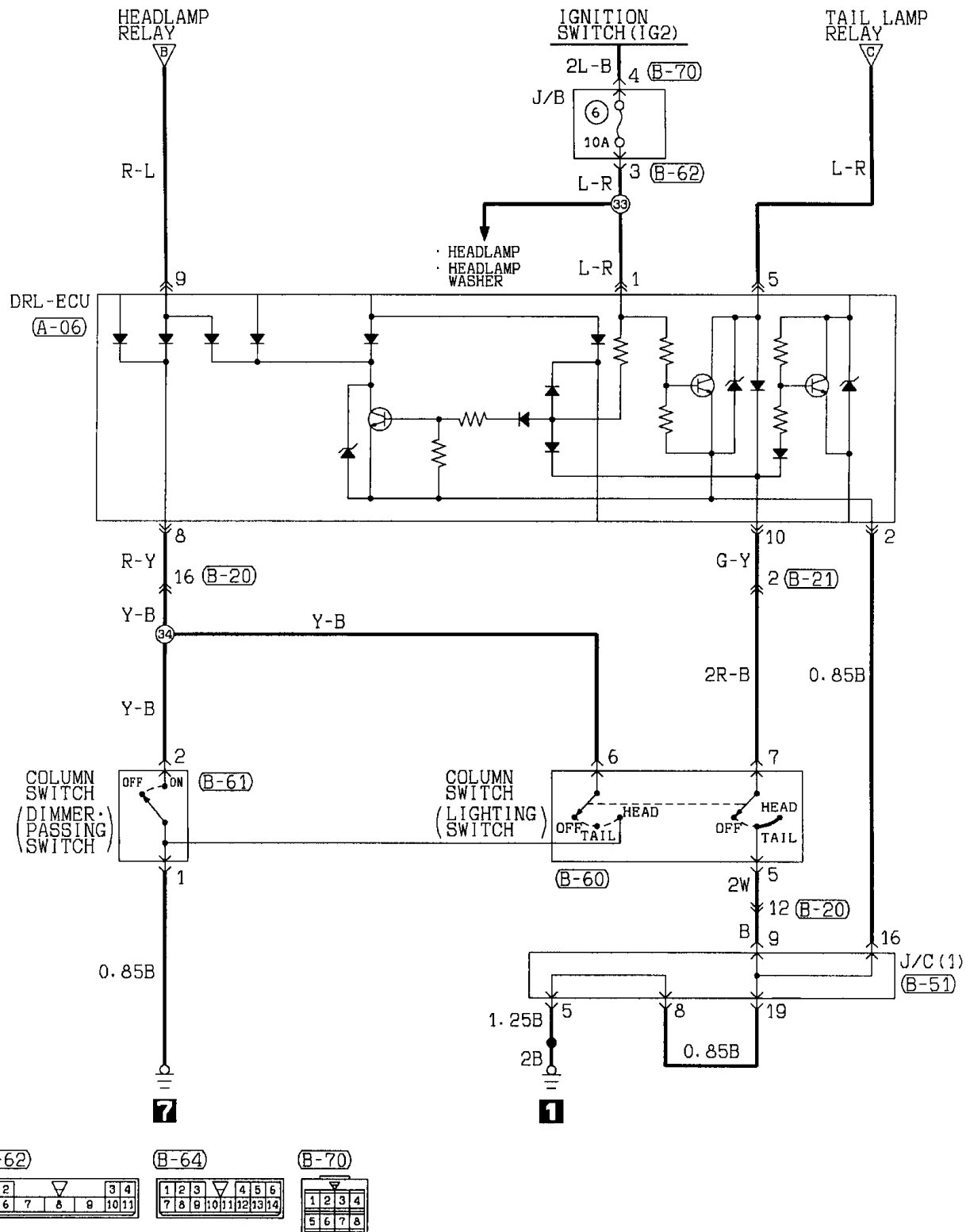
TROUBLESHOOTING HINTS

1. The front fog lamp does not illuminate.
 - (1) The tail lamps illuminate.
 - Check the dedicated fuse No. (9).
 - Check front fog lamp switch.
 - (2) The tail lamps do not illuminate, either.
 - Check fusible link No. (4).
2. The front fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

REAR FOG LAMP

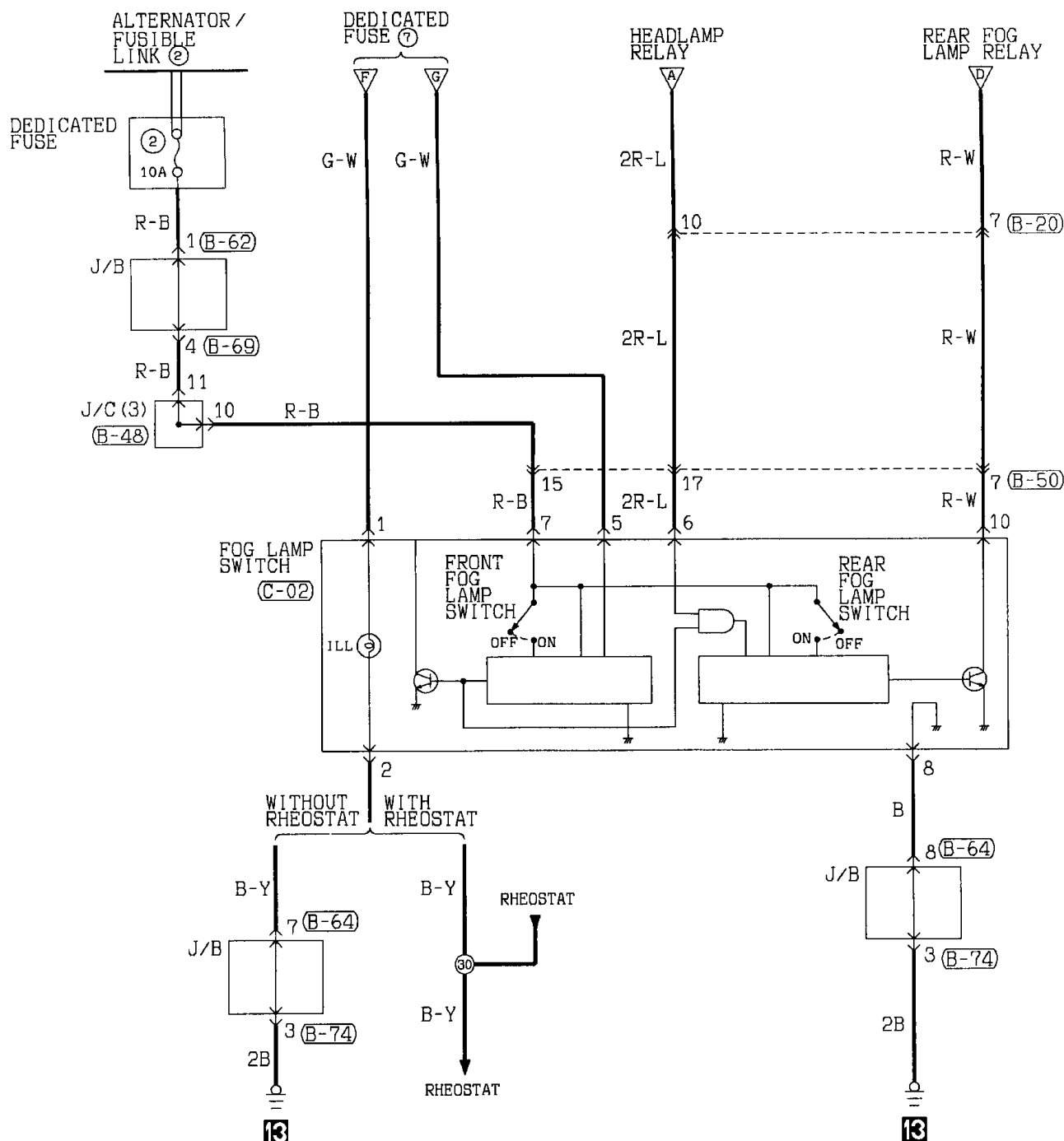
Vehicles with daytime running lamp





REAR FOG LAMP

Vehicles with daytime running lamp (CONTINUED)



(B-02)

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

(B-03)

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

(B-20)

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

(B-47)

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

(B-48)

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

(D-11)

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

(F-09)

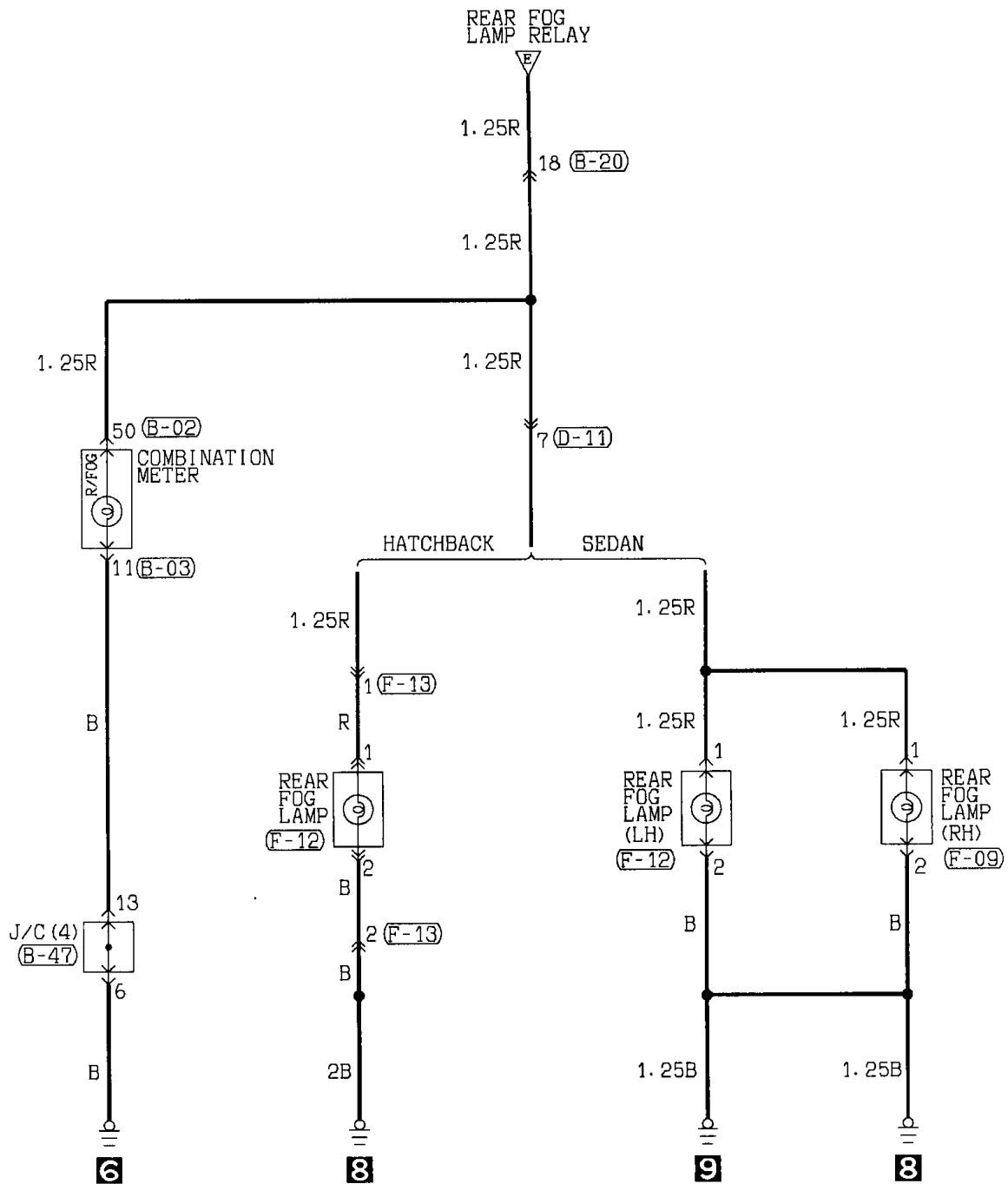
1	2
---	---

(F-12)

1	2
---	---

(F-13)

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



(B-50)

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

(B-62)

1	2	3	4
5	6	7	8

(B-64)

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

(B-69)

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

(B-74)

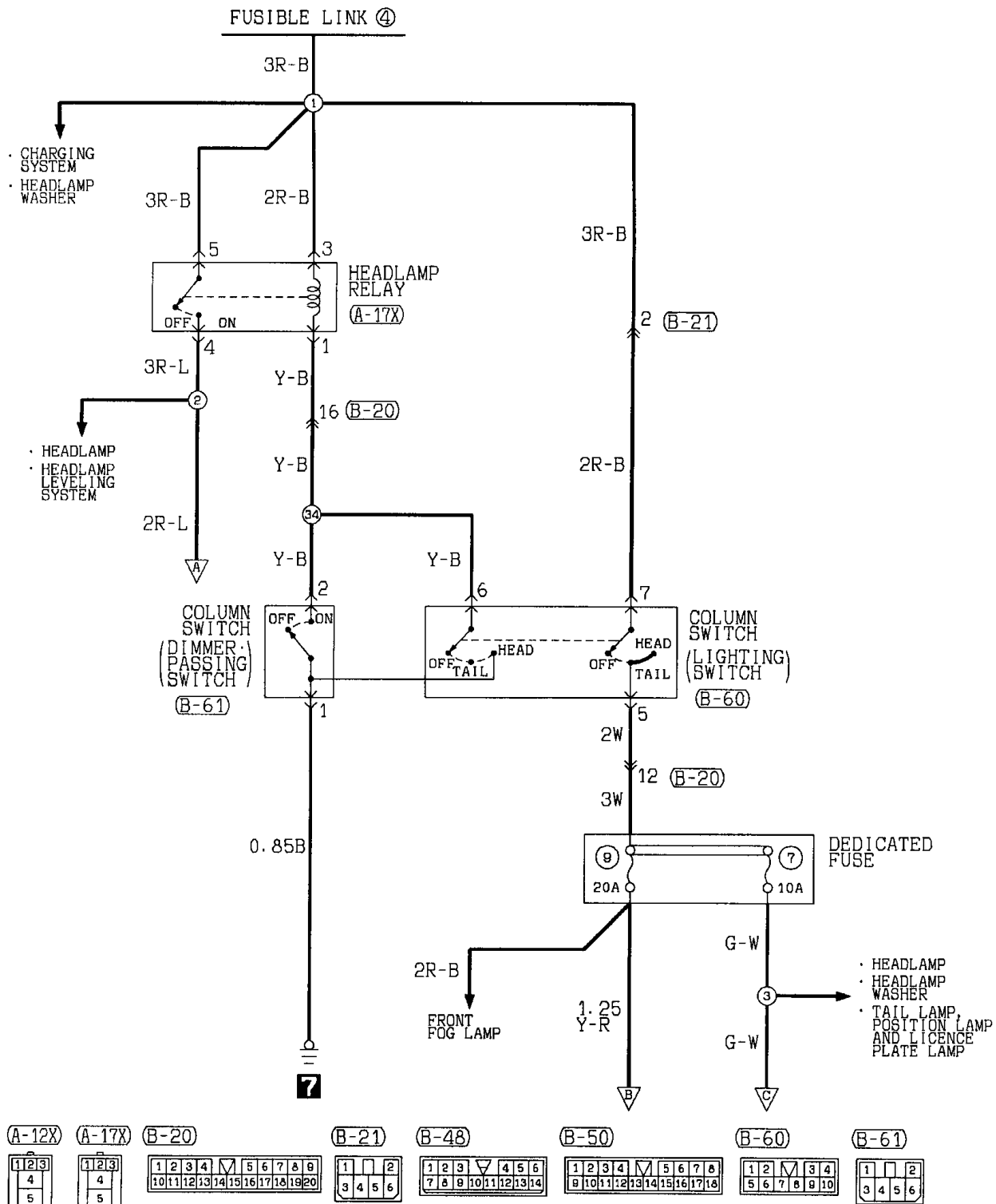
1	2	3	4	5	6
7	8	9	10	11	12

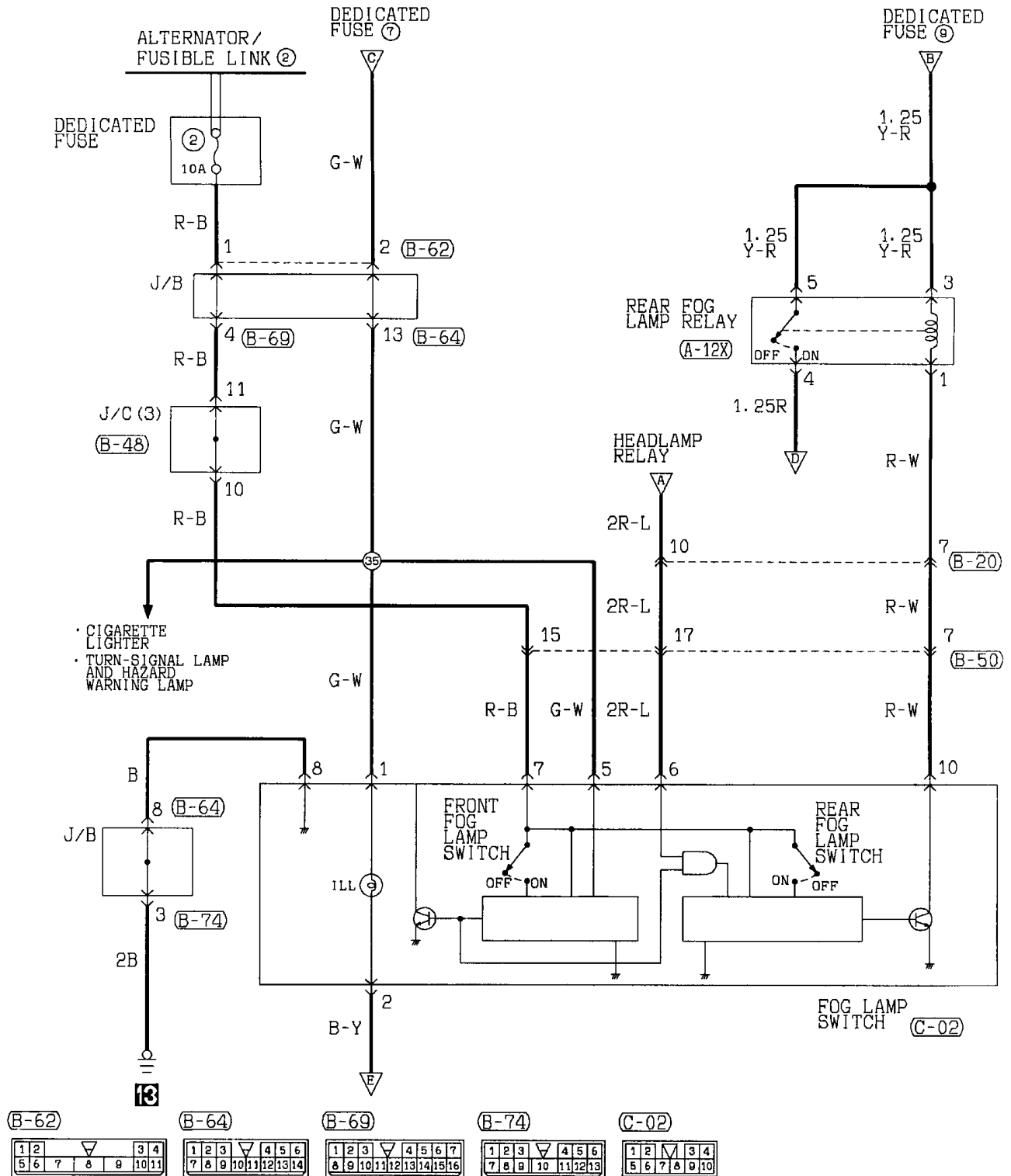
(C-02)

1	2	3	4
5	6	7	8

REAR FOG LAMP

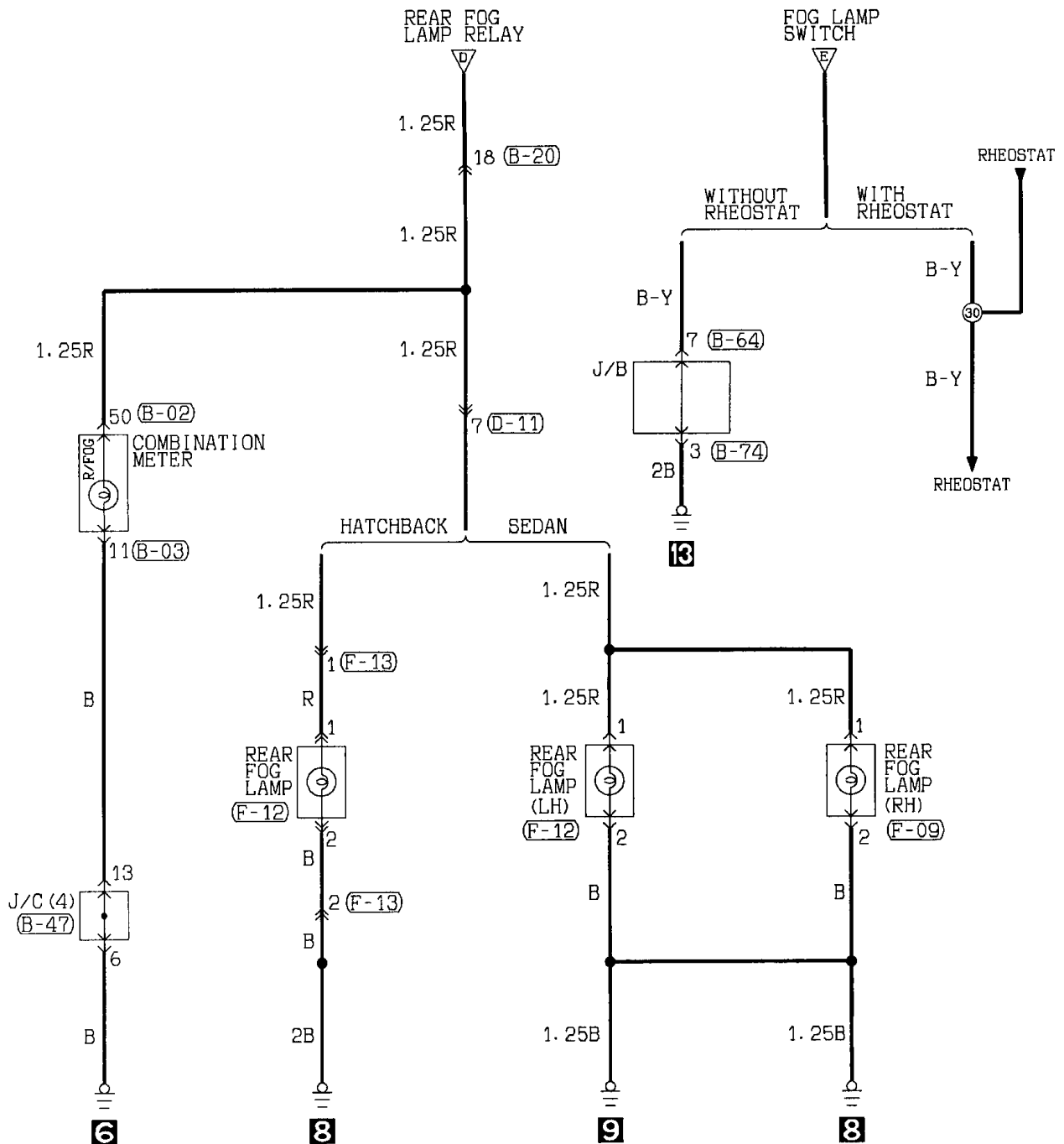
L.H. drive vehicles without daytime running lamp





REAR FOG LAMP

L.H. drive vehicles without daytime running lamp (CONTINUED)



(B-02)

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

(B-03)

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

(B-20)

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

(B-47)

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

(B-64)

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

(B-74)

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

(D-11)

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

(F-09)



(F-12)



<HATCHBACK> <SEDAN>



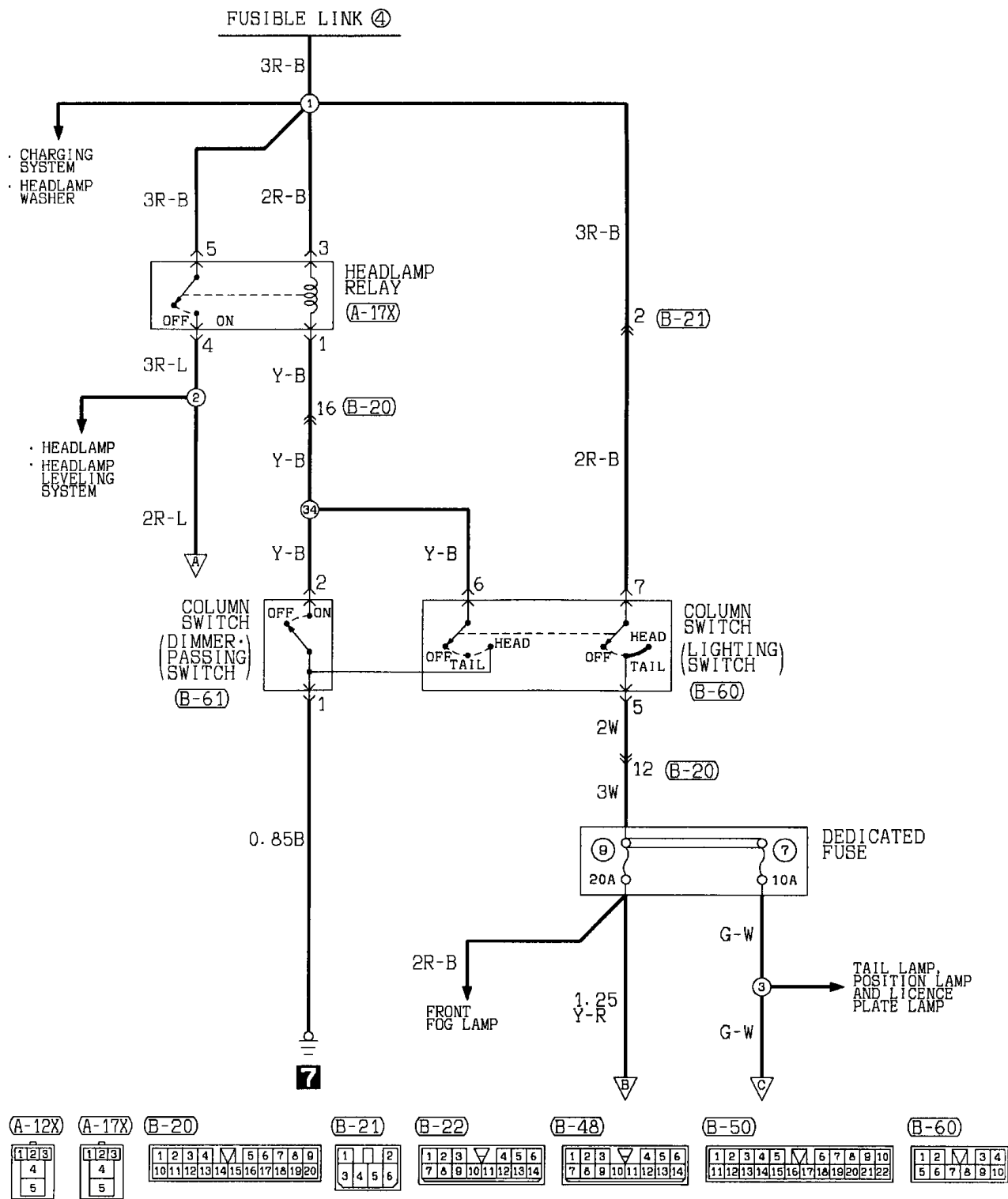
(F-13)

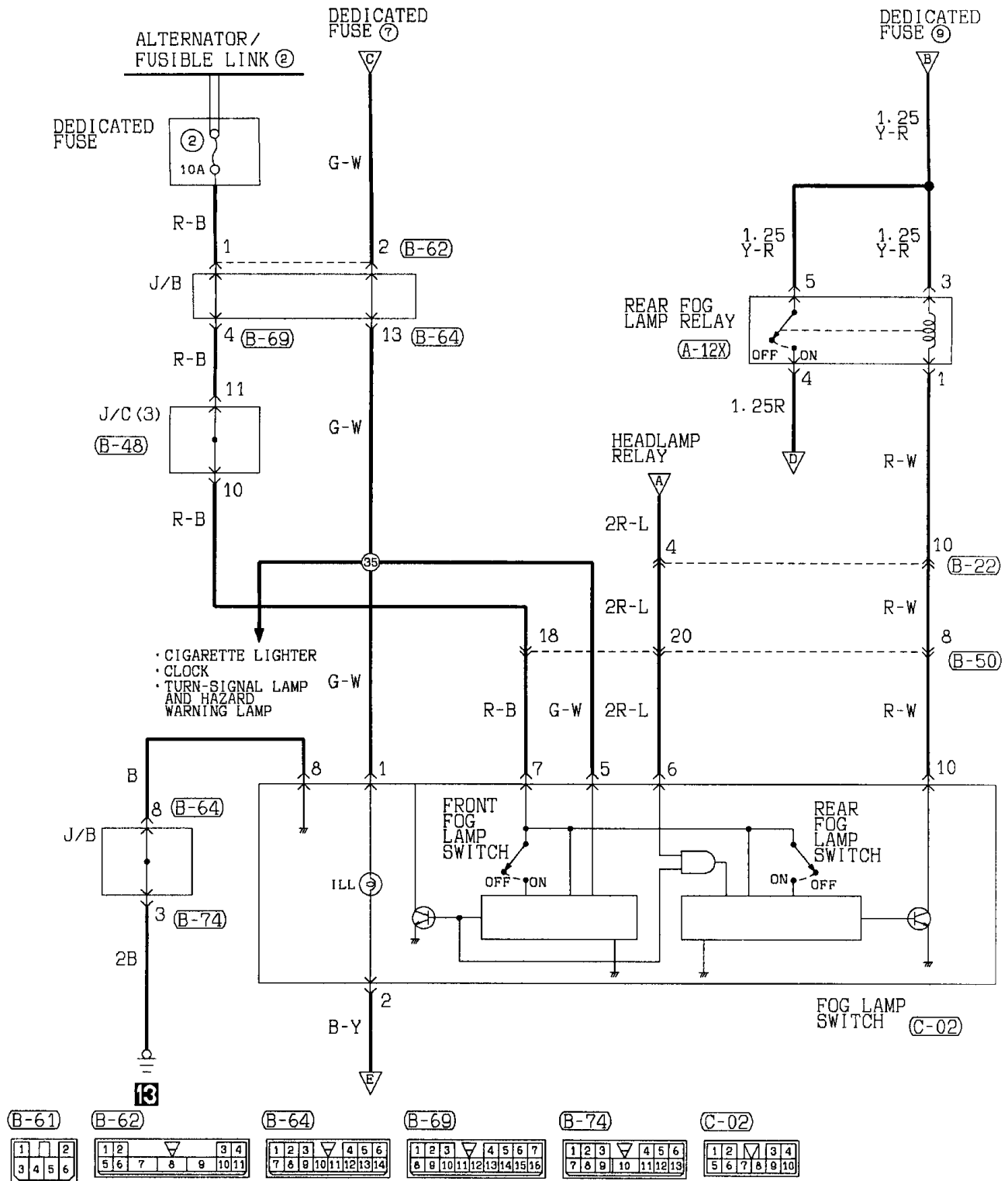


NOTES

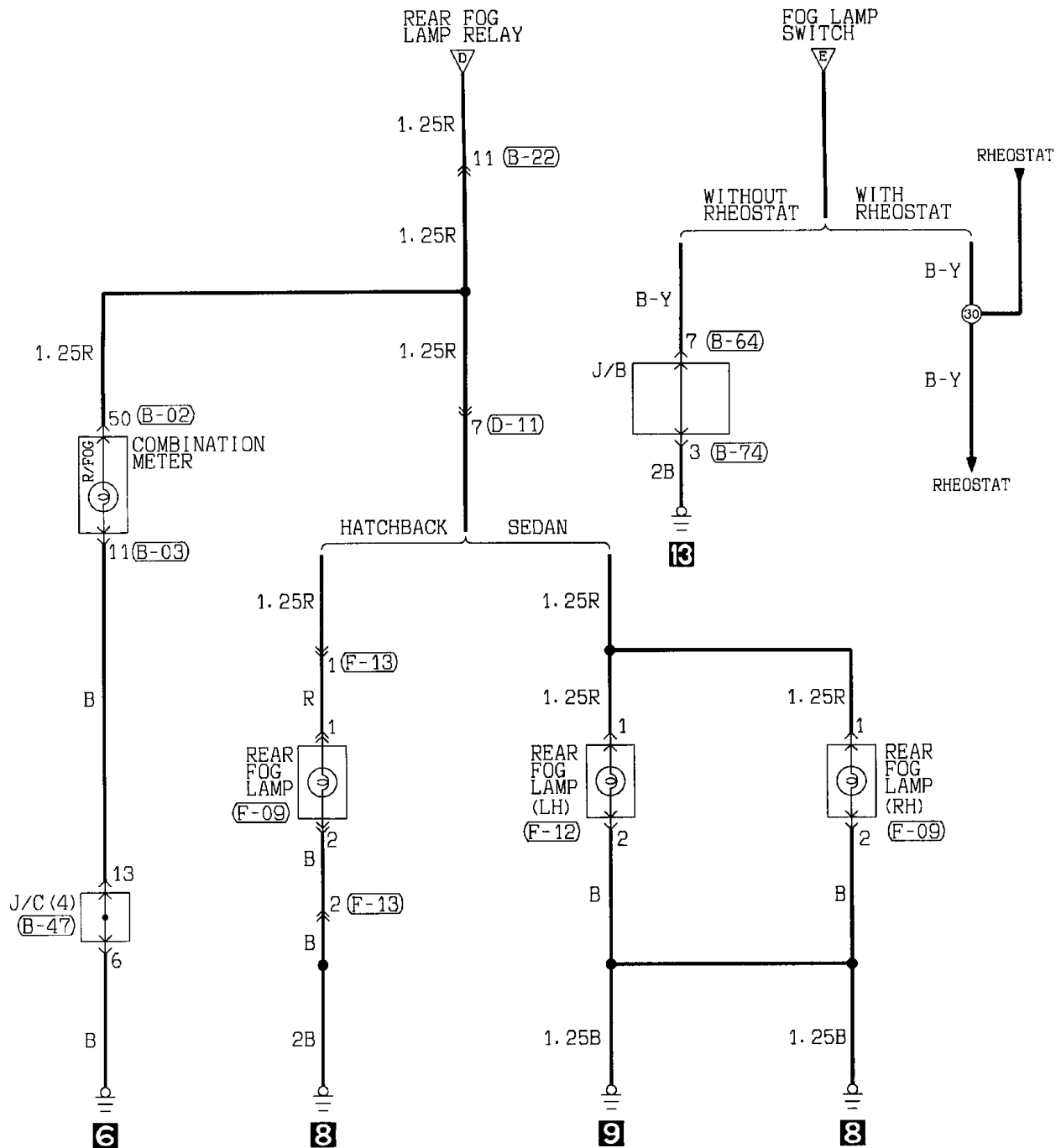
REAR FOG LAMP

R.H. drive vehicles





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



(B-02)

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

(B-03)

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

(B-22)

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

(B-47)

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

(B-64)

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

(B-74)

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

(D-11)

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

(F-09)

1	2

(F-12)

1	2

(F-13)

1	2	3

(HATCHBACK) (SEDAN)

REAR FOG LAMP (See P. 4-84, 88, 92.)**OPERATION**

Rear fog lamp lighting requirements

<Vehicles without front fog lamp>

Lighting switch	Rear fog lamp switch	Rear fog lamp
"OFF"	"ON"	-
"TAIL"	"ON"	-
"HEAD"	"ON"	On

<Vehicles with front fog lamp>

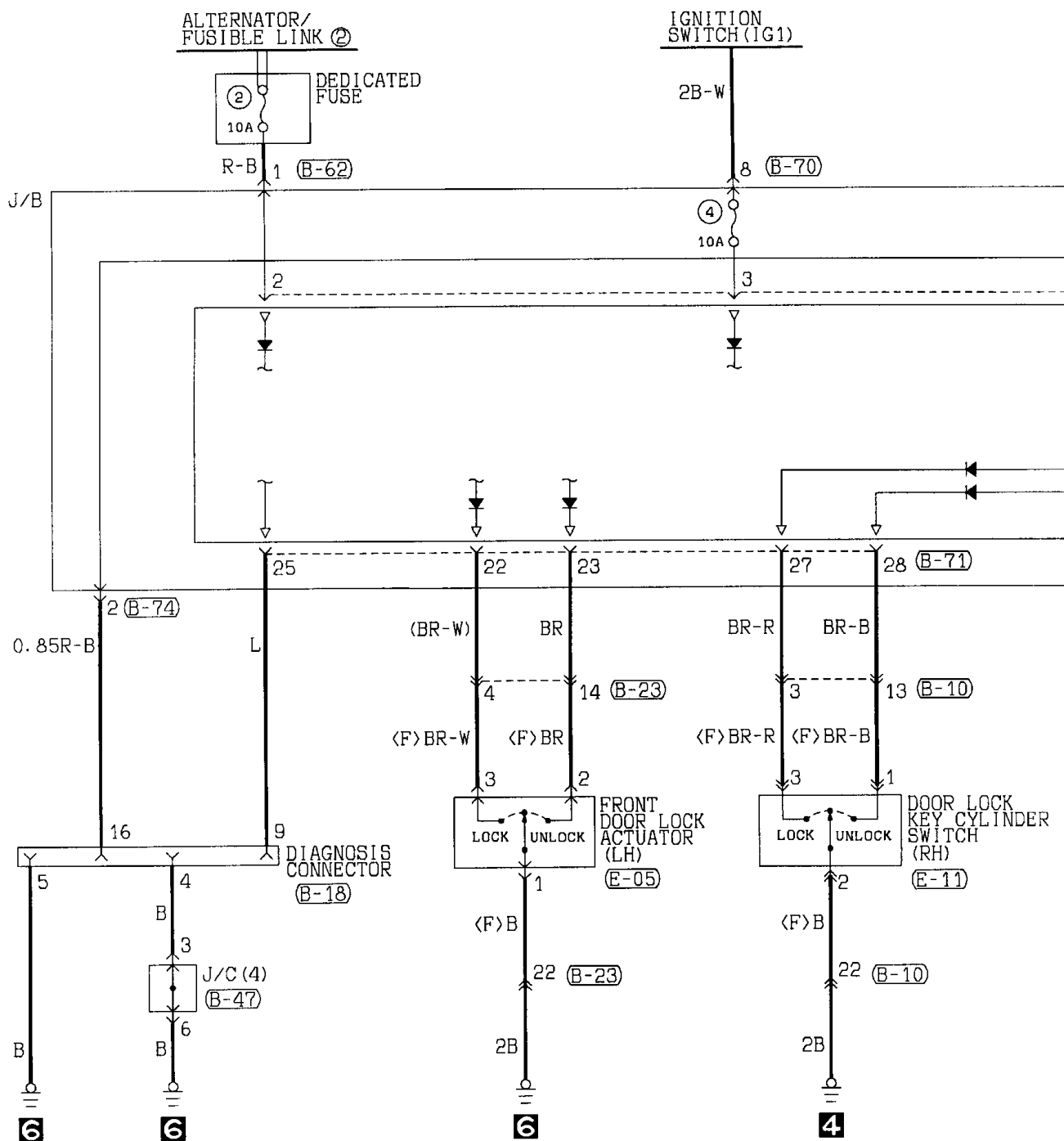
Lighting switch	Rear fog lamp switch	Front fog lamp switch	Rear fog lamp
"OFF"	"ON"	"OFF"	-
		"ON"	-
"TAIL"	"ON"	"OFF"	-
		"ON"	ON
"HEAD"	"ON"	"OFF"	ON
		"ON"	ON

TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
 - (1) Headlamps go on.
 - Check the rear fog lamp switch.
 - Check the dedicated fuse No. (2).
 - Check the dedicated fuse No. (9).
 - (2) Headlamps do not go on, either.
 - Check the fusible link No. (4).
2. The rear fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

CENTRAL DOOR LOCKING SYSTEM

L.H. drive vehicles



(B-10)

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

(B-18) FRONT SIDE

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

(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-47)

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

(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-67)

1

(E-11)

1	2	3
4	5	6

(E-12)

1	2	3
4	5	6

(E-16)

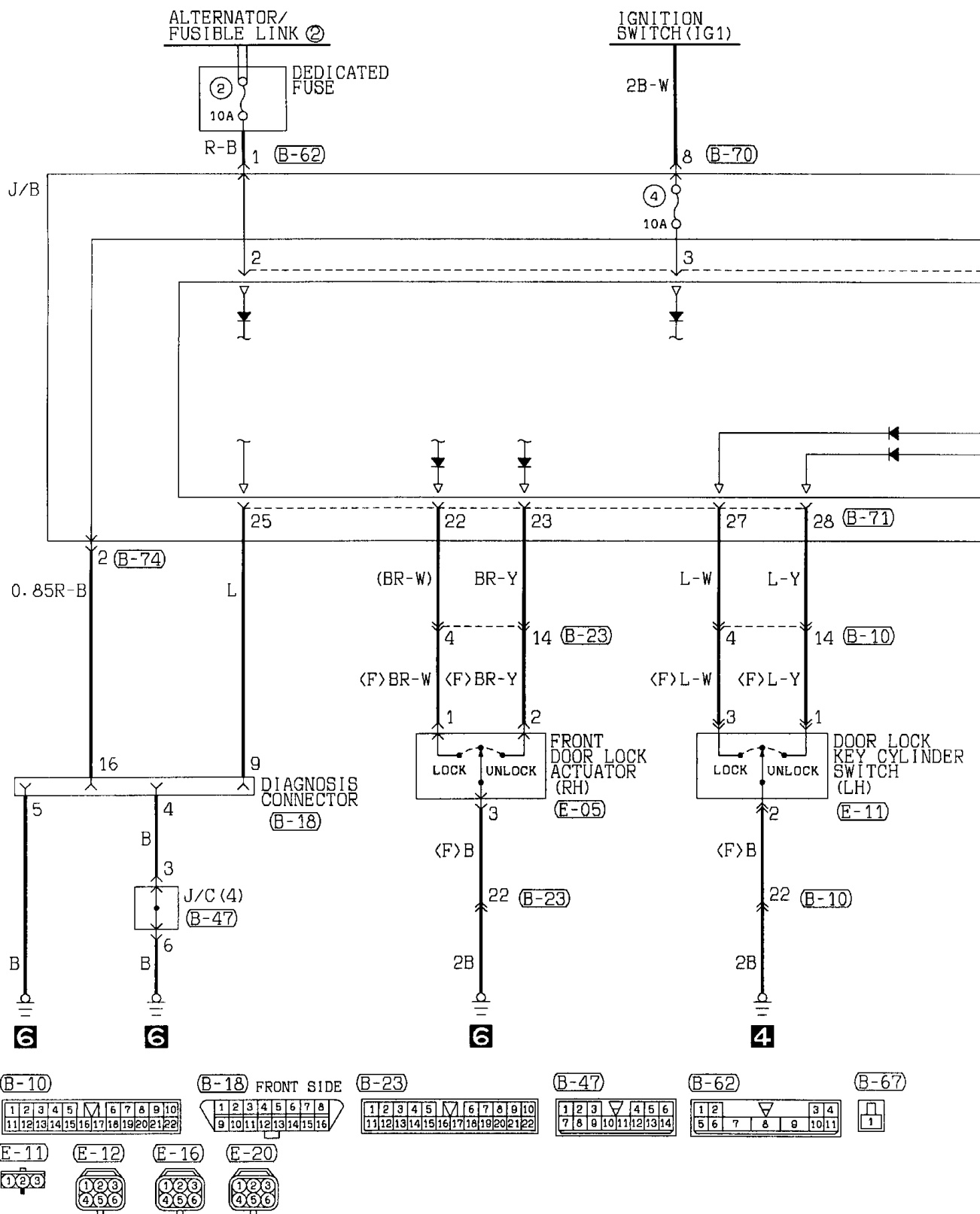
1	2	3
4	5	6

(E-20)

1	2	3
4	5	6

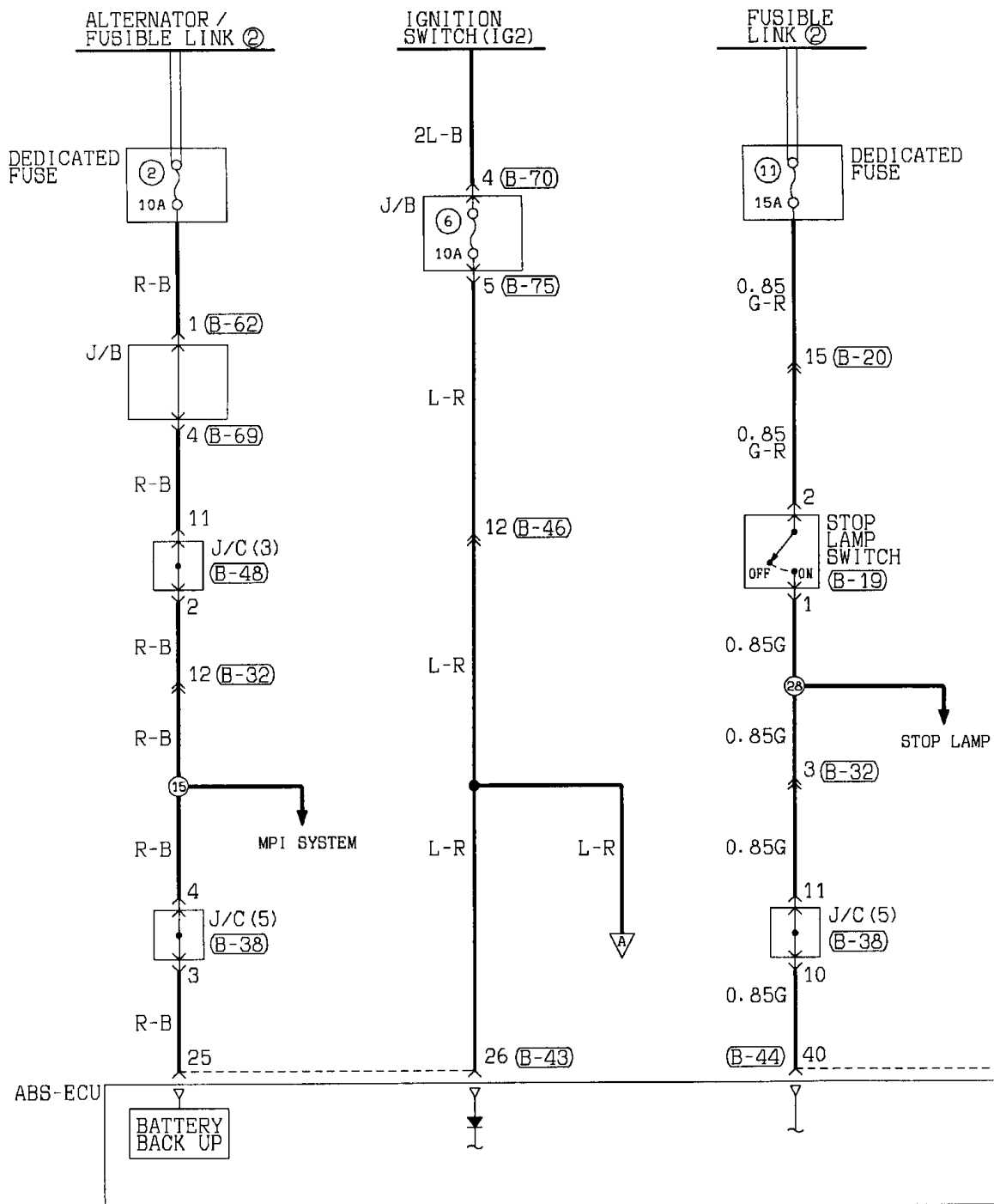
CENTRAL DOOR LOCKING SYSTEM

R.H. drive vehicles



ANTI-SKID BRAKING SYSTEM (ABS)

L.H. drive vehicles



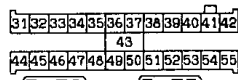
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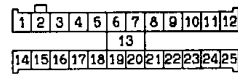
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B-02



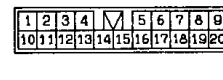
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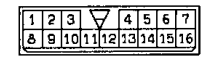
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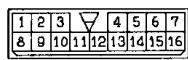
B-20



B-32



B-69

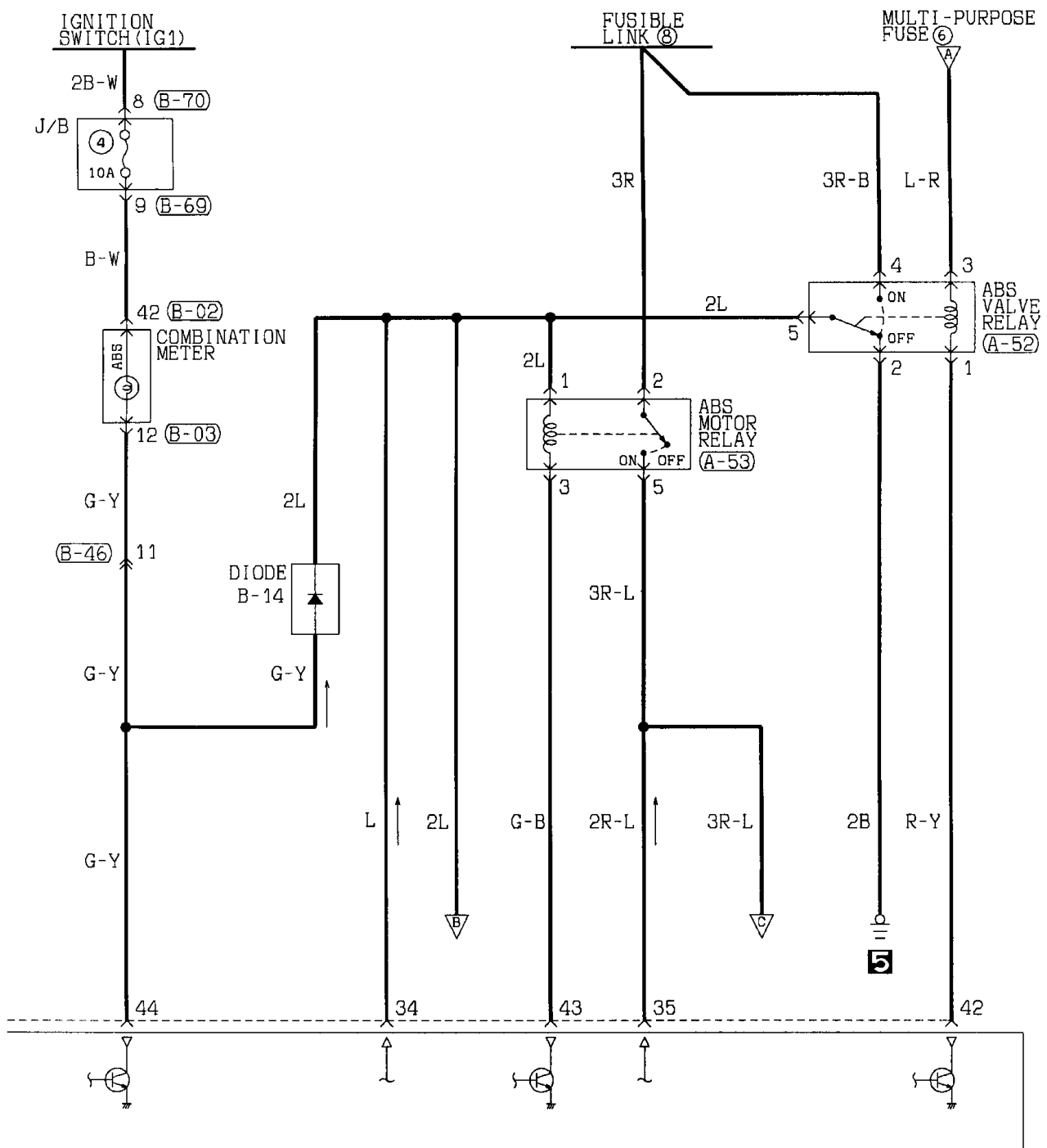


B-70



B-75





(B-38)

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

(B-43)

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-44)

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

(B-46)

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

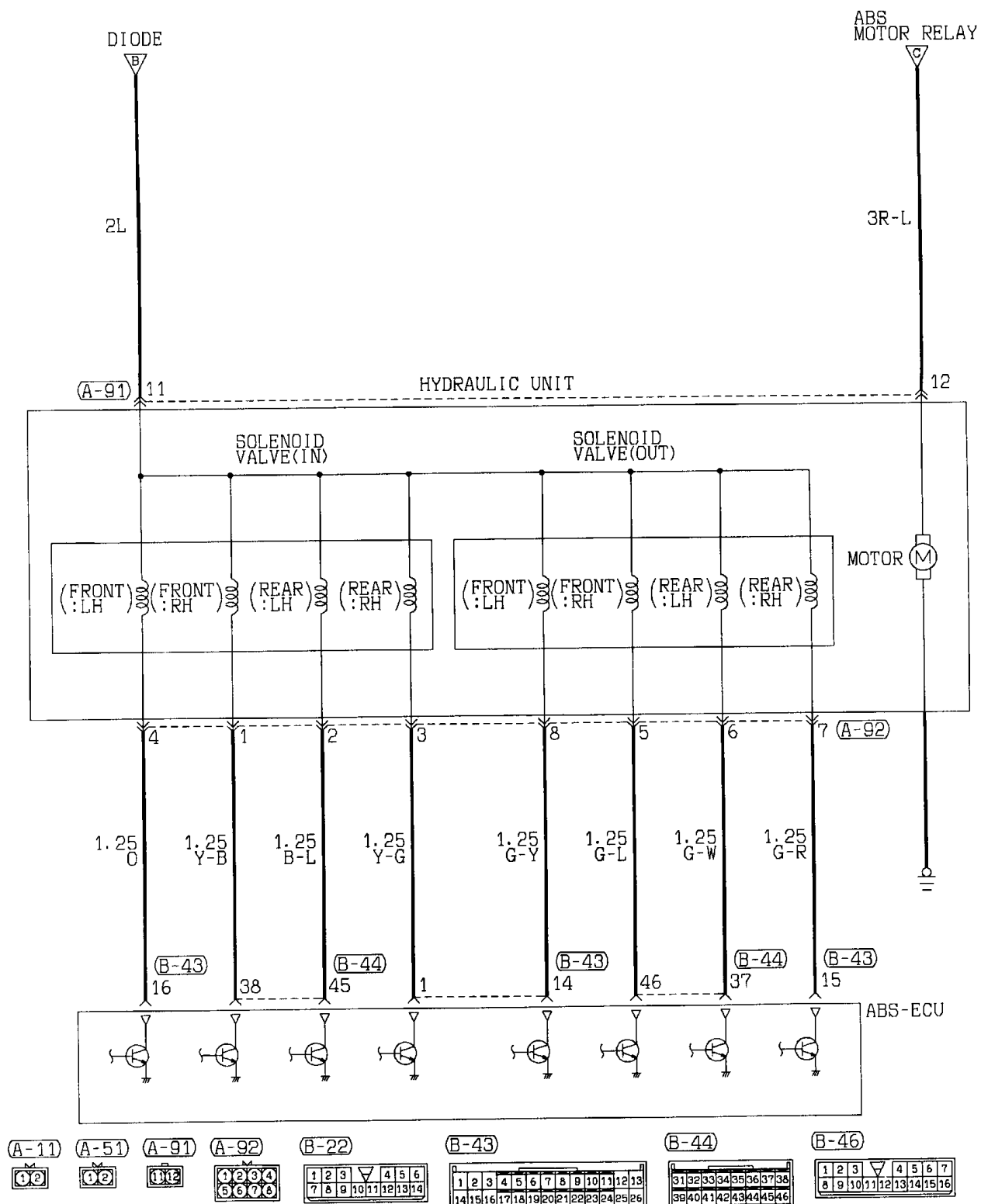
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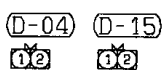
1	2	3	4	5	6
7	8	9	10	11	12
13	14				

(B-62)

1	2	3	4
5	6	7	8
9	10	11	

ANTI-SKID BRAKING SYSTEM **L.H. drive vehicles (CONTINUED)**





ANTI-SKID BRAKING SYSTEM

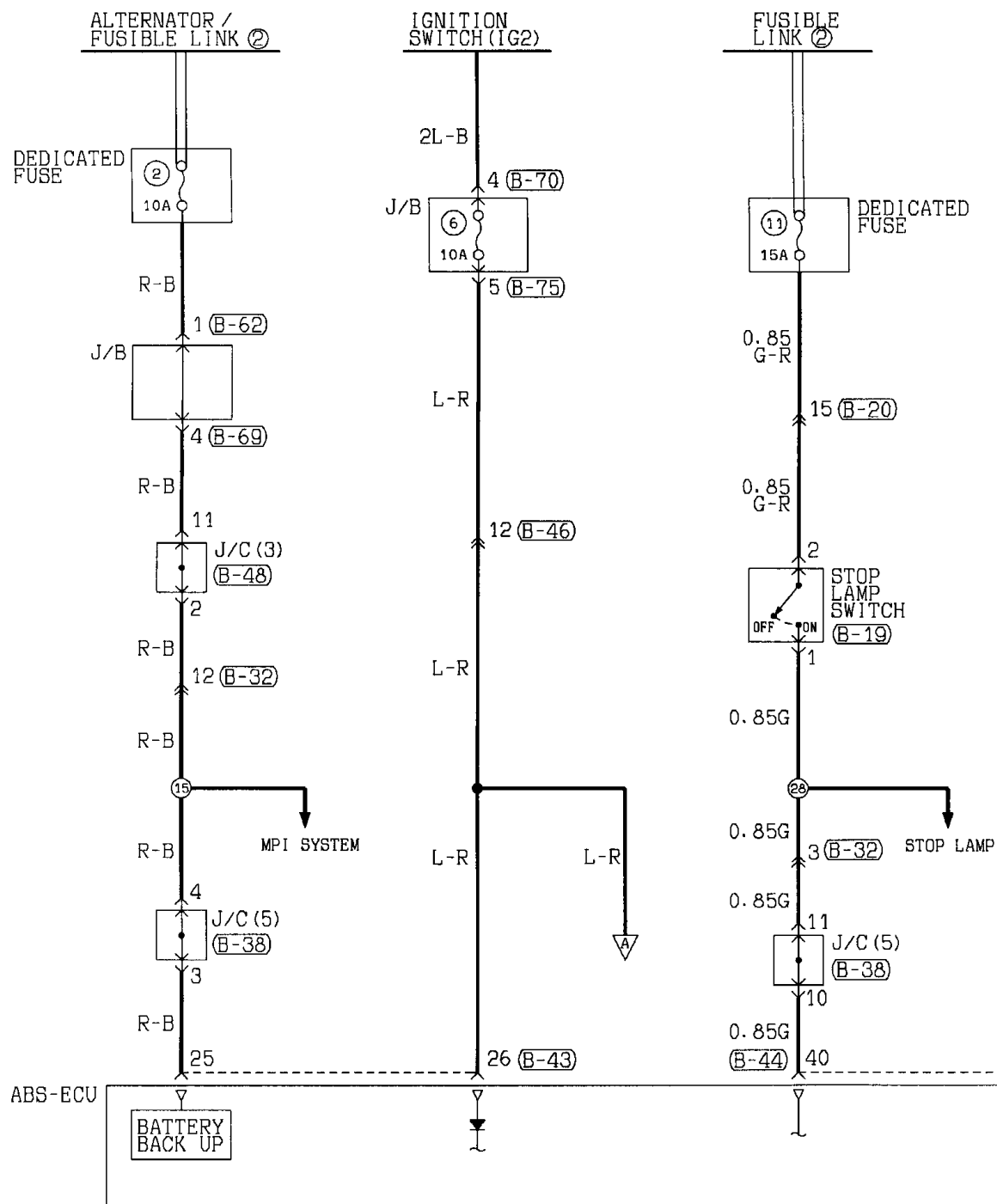
L.H. drive vehicles (CONTINUED)



NOTES

ANTI-SKID BRAKING SYSTEM (ABS)

R.H. drive vehicles



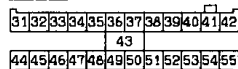
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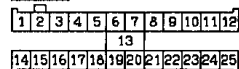
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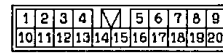
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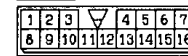
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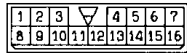
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(B-32)



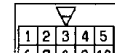
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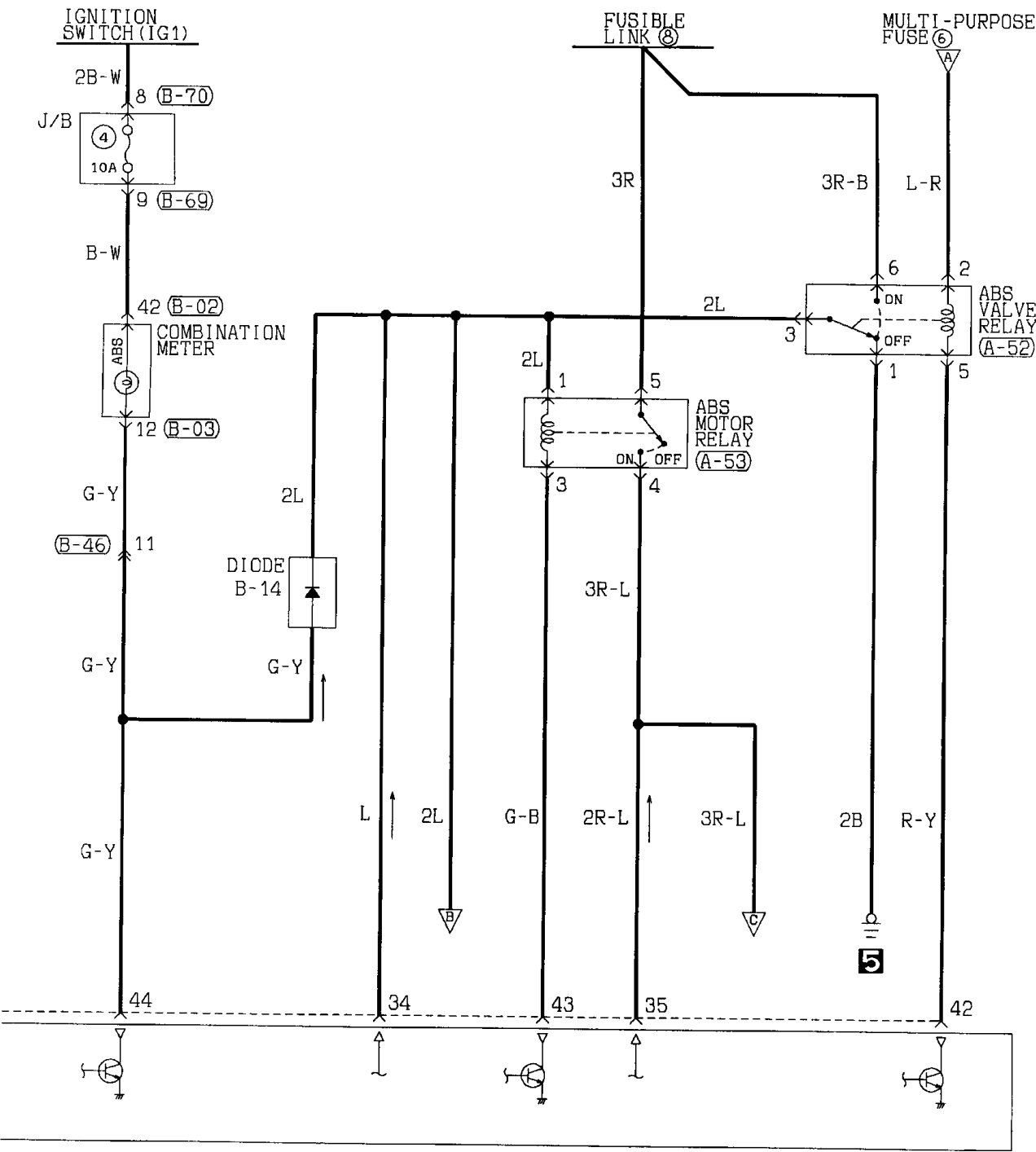


(B-70)



(B-75)





(B-38)

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

(B-43)

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-44)

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

(B-46)

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

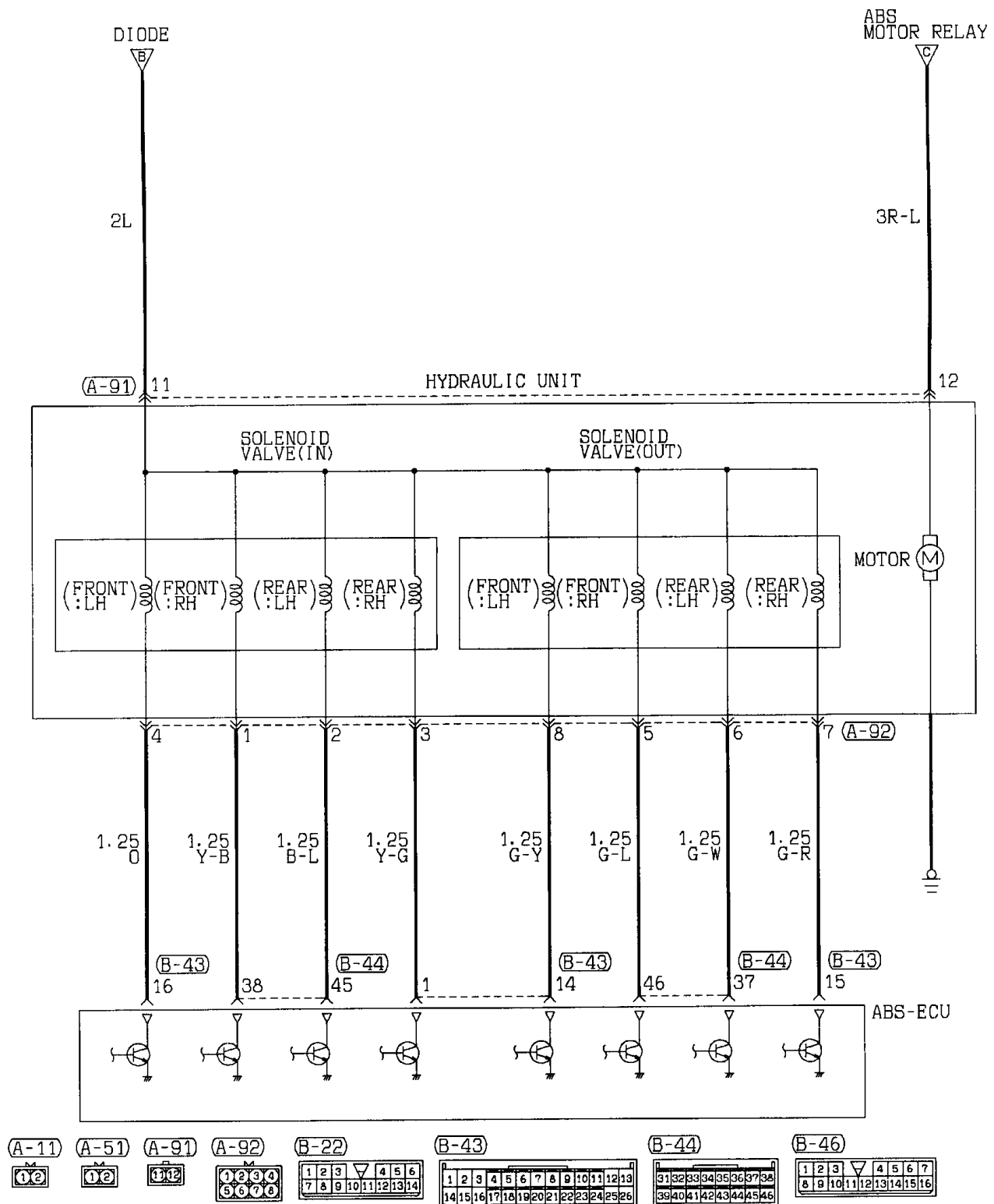
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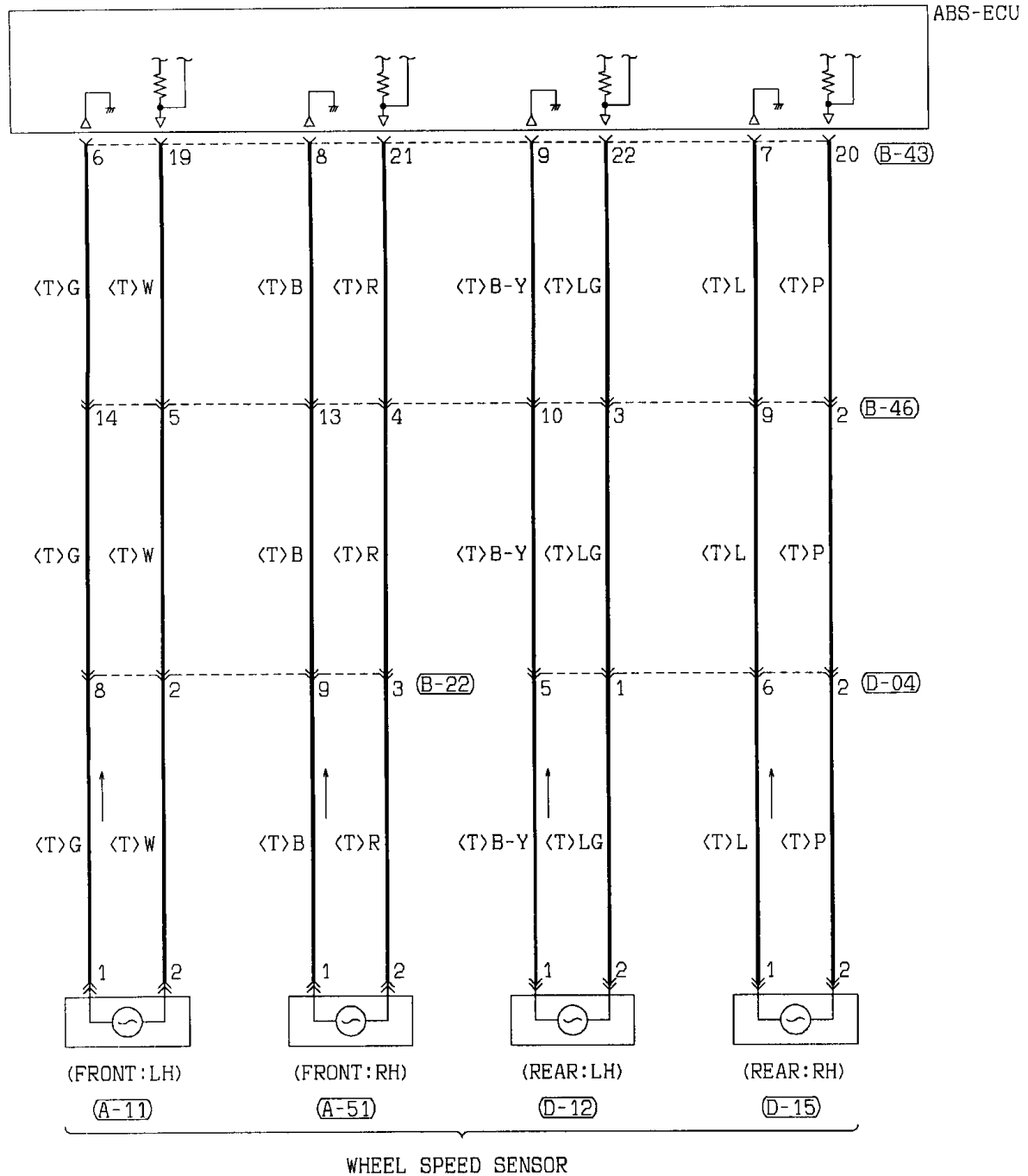
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7	8	9	10	11	12
13	14				

(B-62)

1	2	3	4
5	6	7	8
9	10	11	

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





(D-04)

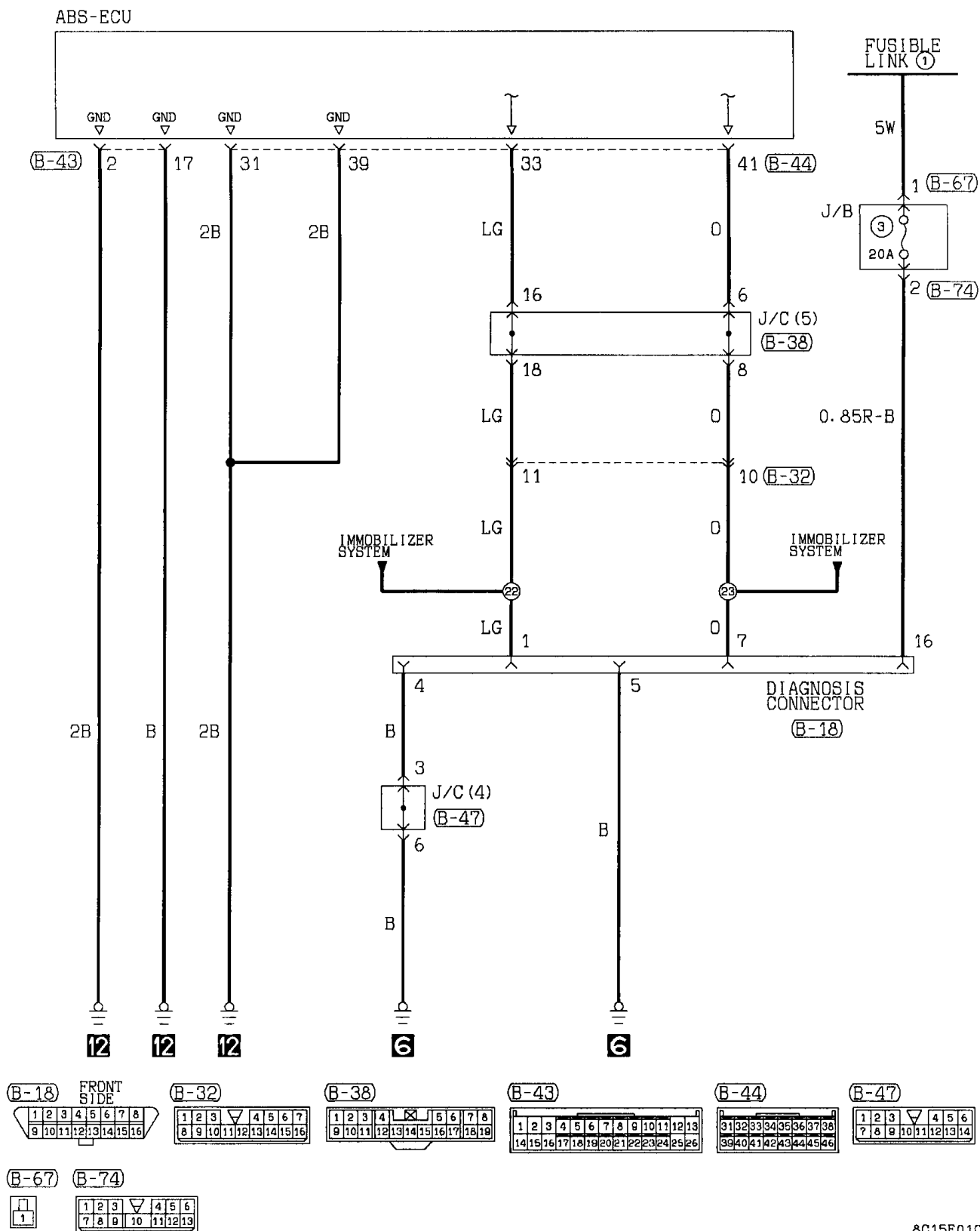
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1	2	3	4
5	6	7	8
9	10		

12

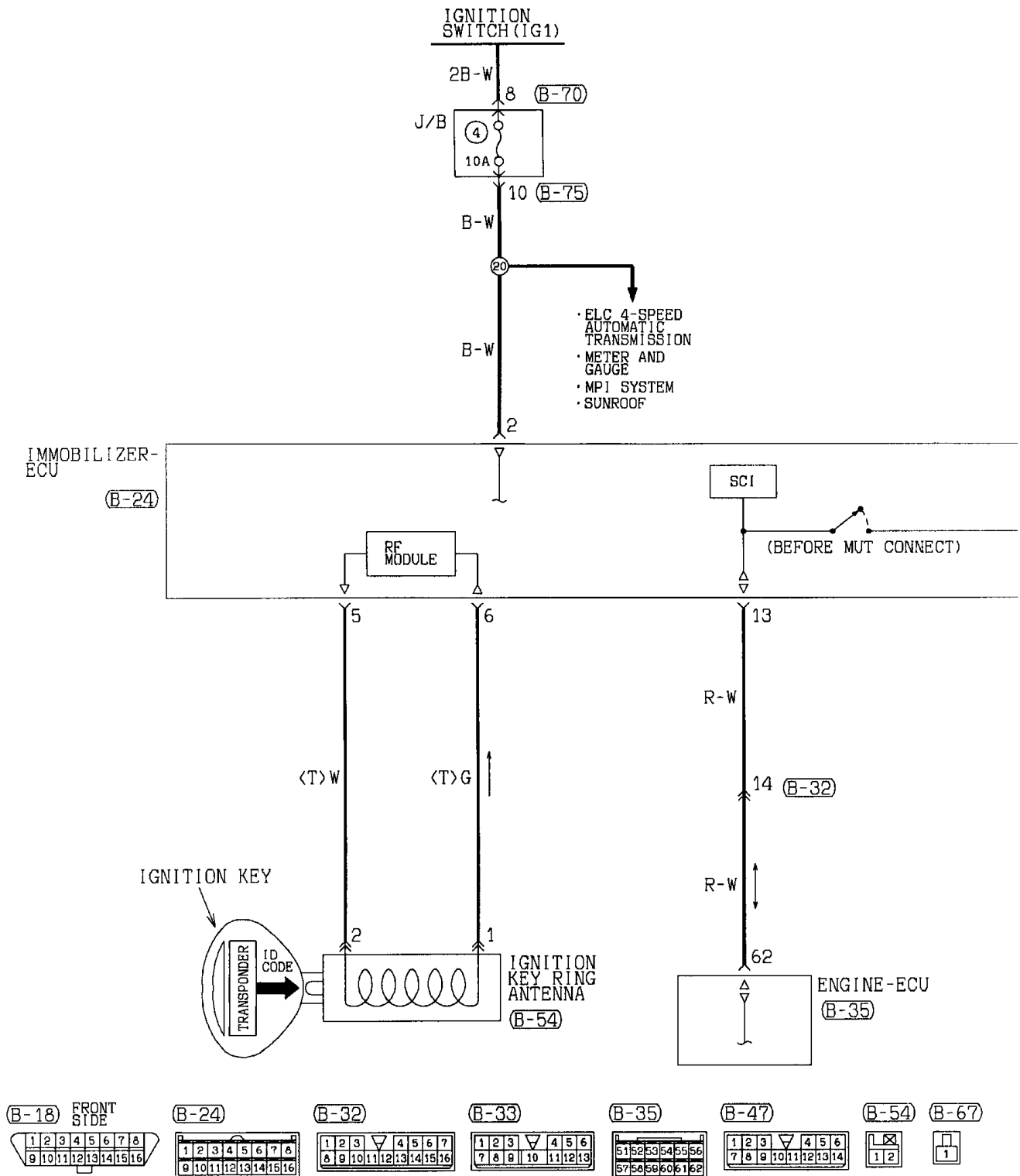
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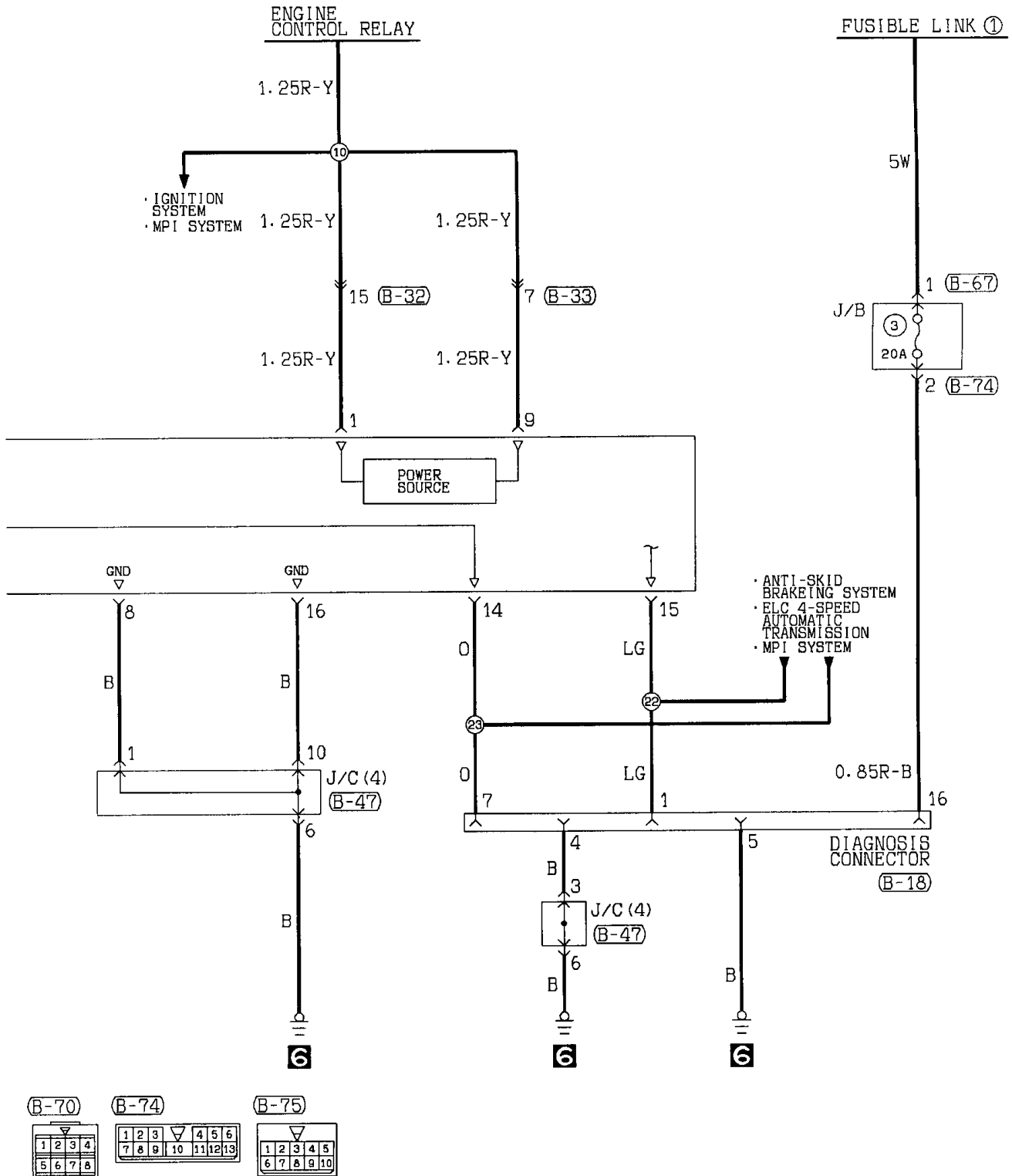
ANTI-SKID BRAKING SYSTEM R.H. drive vehicles (CONTINUED)



NOTES

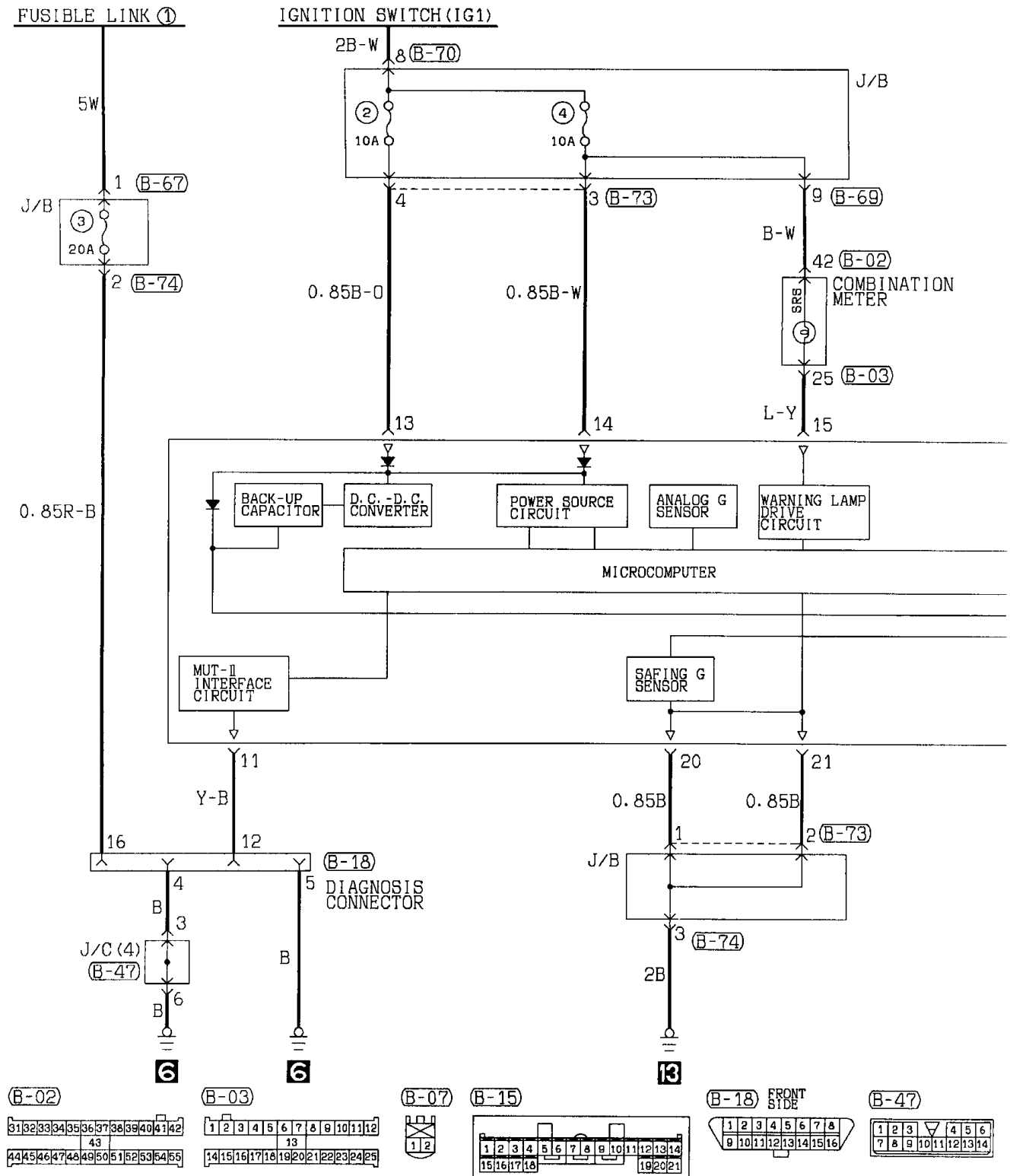
IMMOBILIZER SYSTEM

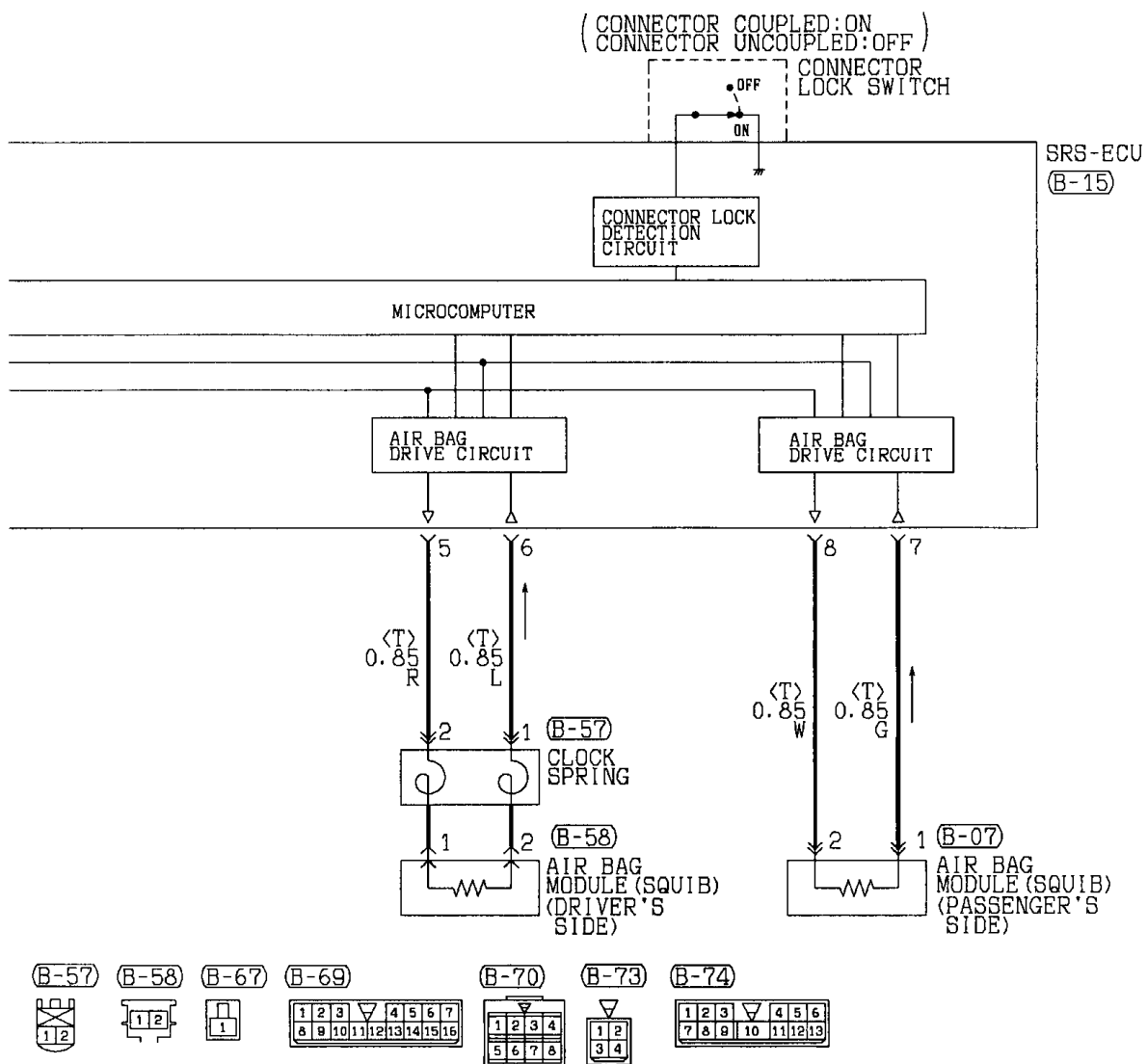




SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

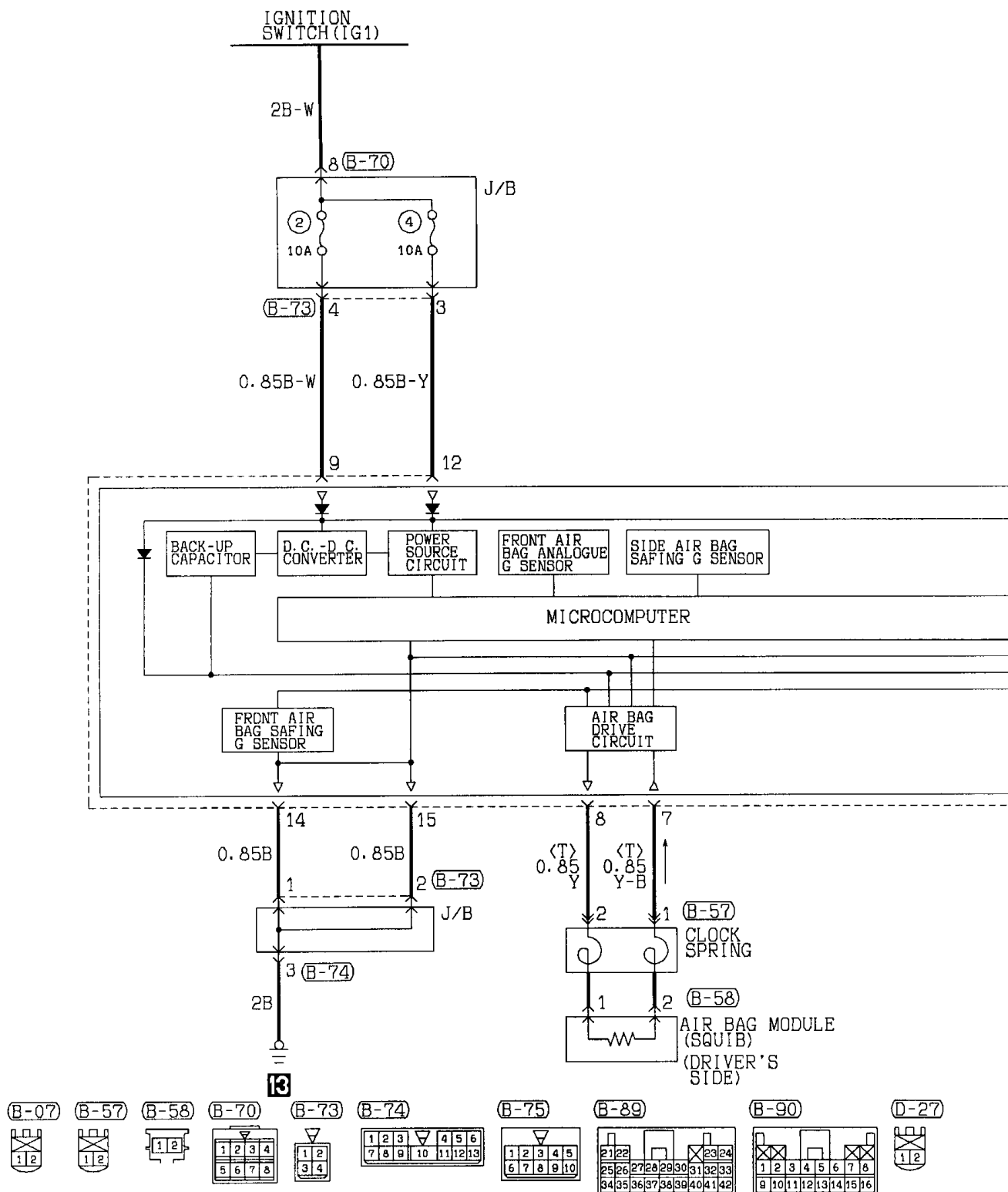
Vehicles without side air bag

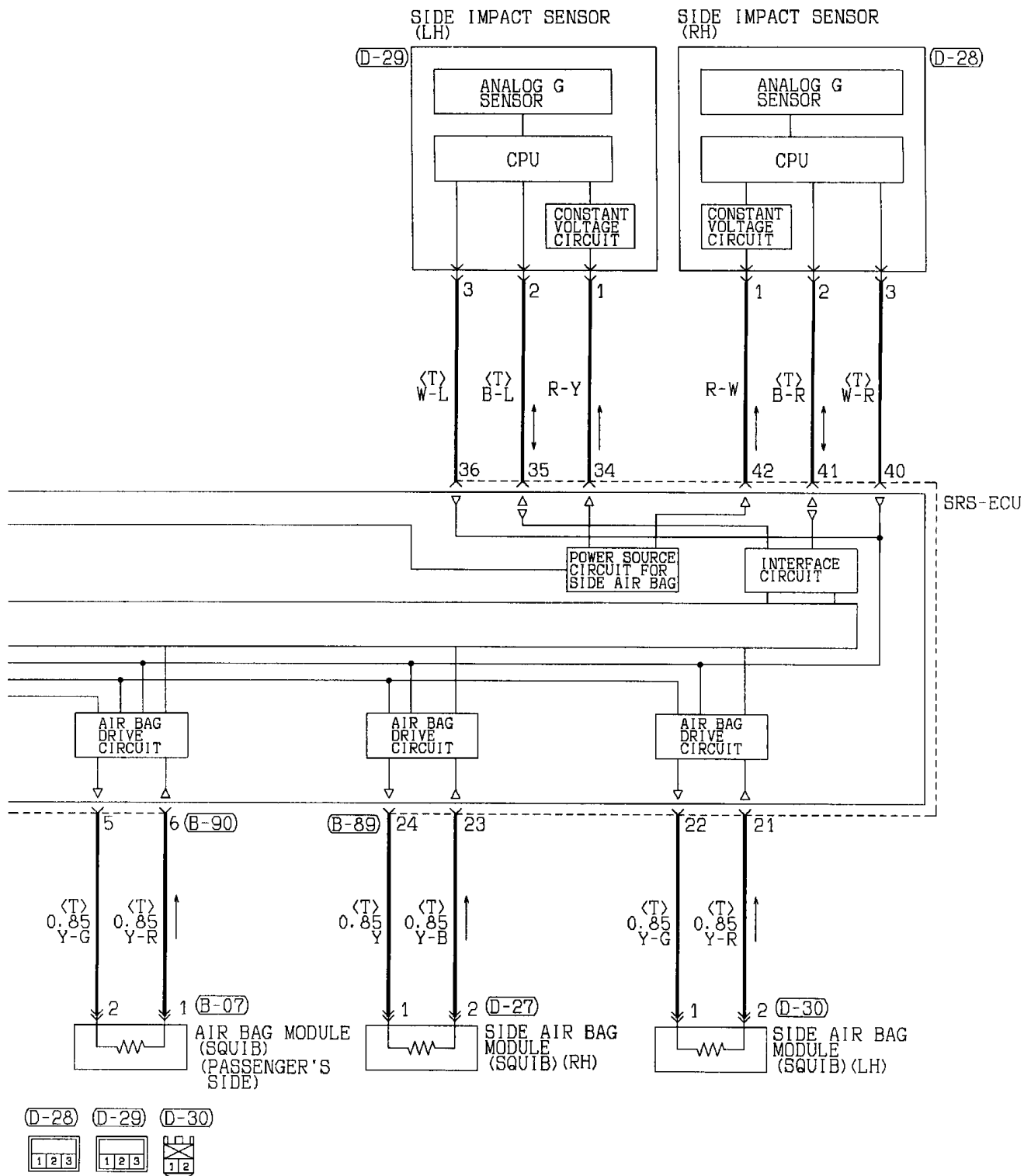




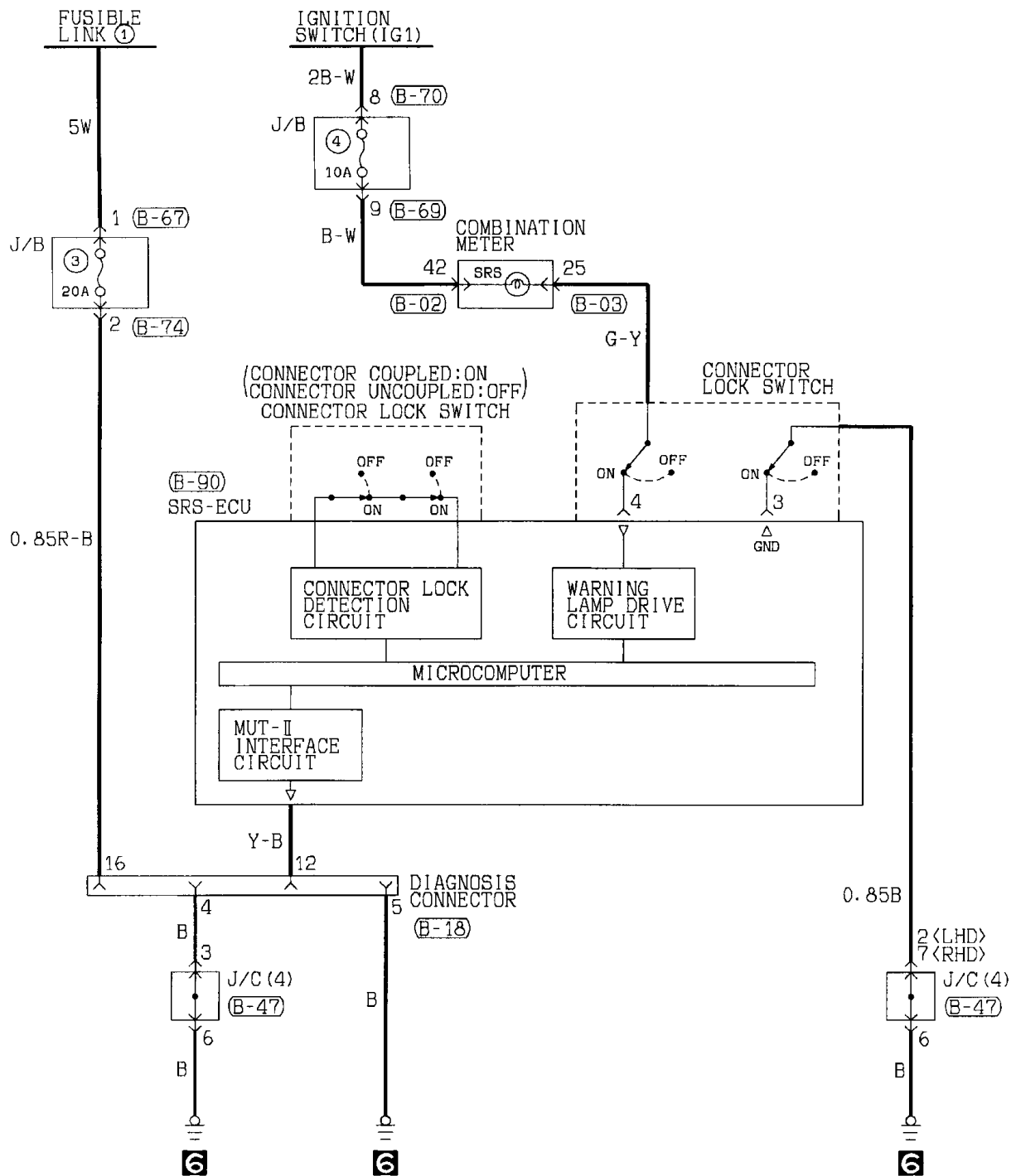
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

Vehicles with side air bag

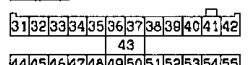




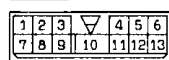
SUPPLEMENTAL RESTRAINT SYSTEM (SRS) Vehicles with side air bag (CONTINUED)



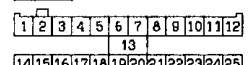
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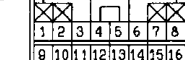
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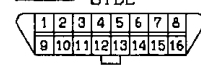
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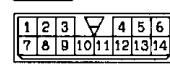
(B-90)



(B-18) FRONT SIDE



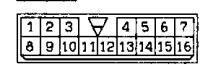
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(B-67)



(B-69)



(B-70)



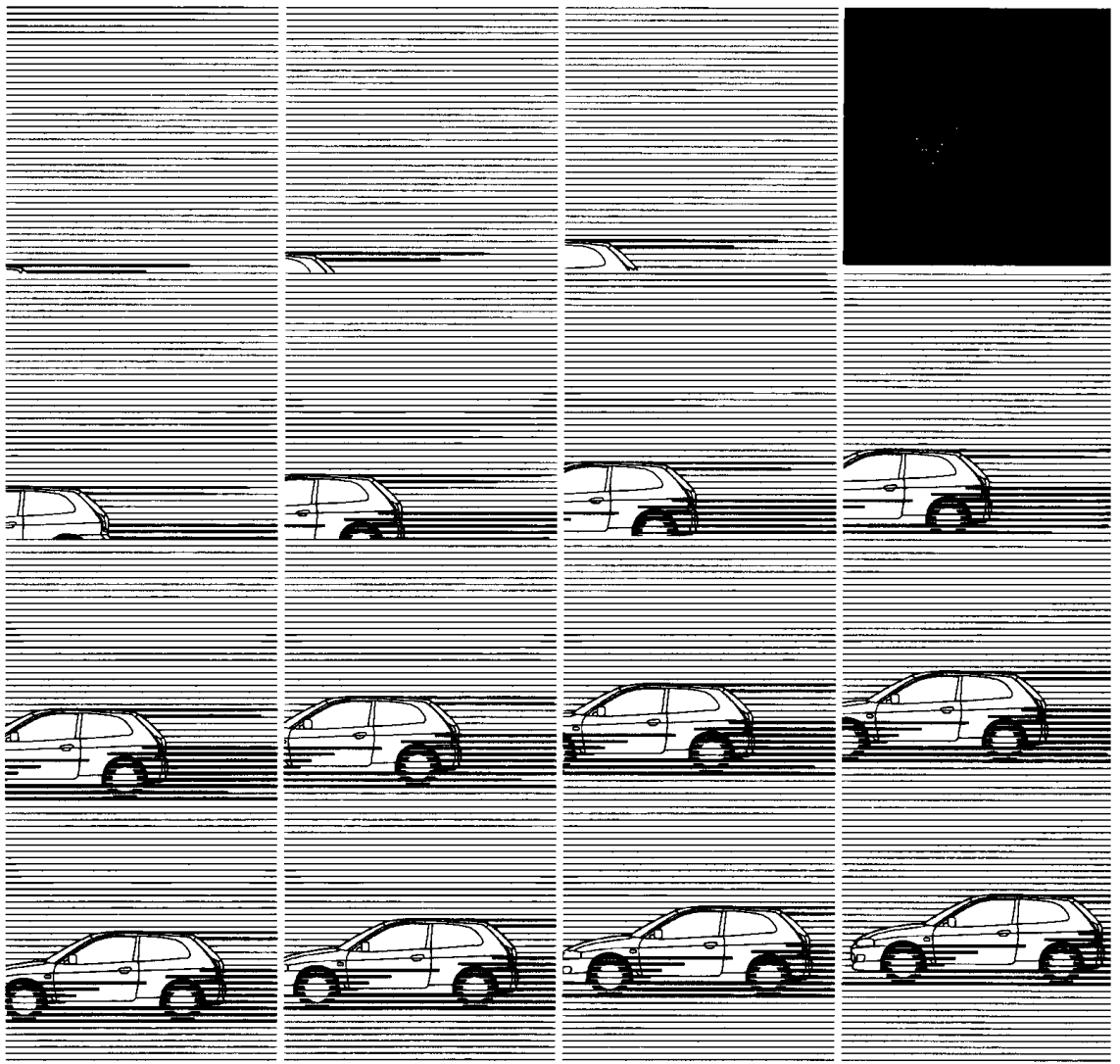


Workshop Manual

electrical wiring

SUPPLEMENT

COLT/LANCER 2000



Pub. No. PHME9511-B

MITSUBISHI COLT/LANCER

ELECTRICAL WIRING SUPPLEMENT

FOREWORD

This publication is a supplement to the Electrical Wiring Manual Pub. No. PHME9511, PHME9511-A and contains only additions and changes to the original issue.

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

TECHNICAL INFORMATION MANUAL
PYME9501

WORKSHOP MANUAL
ENGINE GROUP PWEE□□□□
(Looseleaf edition)
CHASSIS GROUP PWME9511 (Basic)
PWME9511-A
(Supplement)
PWME9511-B
(Supplement)
BODY REPAIR MANUAL
PBME9501
ELECTRICAL WIRING
PHME9511 (Basic)
PHME9511-A
(Supplement)

PARTS CATALOGUE B606F008A□

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

 **MITSUBISHI MOTORS CORPORATION**

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May 1999

GROUP INDEX

OUTLINE OF CHANGES

HOW TO READ THE
WIRING DIAGRAMS

CIRCUIT DIAGRAM

1

4

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.

OUTLINE OF CHANGES

CONTENTS

CIRCUIT DIAGRAM	2	TABLE OF CIRCUIT DIAGRAMS	2
-----------------------	---	---------------------------------	---

CIRCUIT DIAGRAM

Circuit diagrams			Description of changes
Main title	Subtitle	Reference page	
MPI SYSTEM	4G13 <L.H. drive vehicles>	4-2	Harness junction point No. 17 has been abolished to correspond to changes in the ELC 4-speed automatic transmission system.
	4G13 <R.H. drive vehicles>	4-10	
	4G92 <L.H. drive vehicles>	4-18	The idle switch circuit has been abolished in all but the MVV engine.
	4G92 <R.H. drive vehicles>	4-26	
ELC 4-SPEED AUTOMATIC TRANSMISSION	L.H. drive vehicles	4-34	The idle switch circuit has been changed.
	R.H. drive vehicles	4-42	
ANTI-SKID BRAKING SYSTEM (ABS)	L.H. drive vehicles	4-50	The ABS-ECU battery back-up circuit has been abolished.
	R.H. drive vehicles	4-56	

TABLE OF CIRCUIT DIAGRAMS

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

NOTE

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

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	This manual: Pub. No. PHME9511-B (Supplement)
JUNCTION BLOCK (J/B)	—	I	P	P
JOINT CONNECTOR (J/C)	—	I	P	P
CENTRALIZED JUNCTION	—	I	R	P
POWER DISTRIBUTION SYSTEM	Vehicles with daytime running lamp	I	R	P
	Vehicles without daytime running lamp	I	R	P
STARTING SYSTEM	—	I	P	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	This manual: Pub. No. PHME9511-B (Supplement)
IGNITION SYSTEM	4G13	I	P	P
	4G92	I	P	P
CHARGING SYSTEM	—	I	P	P
MPI SYSTEM	4G13 <L.H. drive vehicles>	I	R	R
	4G13 <R.H. drive vehicles>	I	R	R
	4G92 <L.H. drive vehicles>	I	R	R
	4G92 <R.H. drive vehicles>	I	R	R
COOLING SYSTEM	—	I	P	P
ELC 4-SPEED AUTOMATIC TRANSMISSION	L.H. drive vehicles	I	R	R
	R.H. drive vehicles	I	R	R
HEADLAMP	Vehicles with daytime running lamp	I	R	P
	Vehicles without daytime running lamp	I	R	P
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	Hatchback <Vehicles with daytime running lamp>	I	P	P
	Hatchback <Vehicles without daytime running lamp>	I	P	P
	Sedan <Vehicles with daytime running lamp>	I	P	P
	Sedan <Vehicles without daytime running lamp>	I	P	P
FRONT FOG LAMP	Vehicles with daytime running lamp	I	R	P
	L.H. drive vehicles without daytime running lamp	I	R	P
	R.H. drive vehicles	I	R	P
REAR FOG LAMP	Vehicles with daytime running lamp	I	R	P
	L.H. drive vehicles without daytime running lamp	I	R	P
	R.H. drive vehicles	I	R	P
ROOM LAMP AND LUGGAGE COMPARTMENT LAMP	Hatchback	I	P	P
	Sedan	I	P	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	This manual: Pub. No. PHME9511-B (Supplement)
HEADLAMP LEVELING SYSTEM	Hatchback <L.H. drive vehicles>	I	P	P
	Hatchback <R.H. drive vehicles>	I	P	P
	Sedan <L.H. drive vehicles>	I	P	P
	Sedan <R.H. drive vehicles>	I	P	P
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	L.H. drive vehicles	I	P	P
	R.H. drive vehicles	I	P	P
STOP LAMP	Hatchback	I	P	P
	Sedan	I	P	P
BACK-UP LAMP	–	I	P	P
HORN	Vehicles with SRS	I	P	P
	Vehicles without SRS	I	P	P
METER AND GAUGE	–	I	P	P
FUEL WARNING LAMP	–	I	P	P
OIL PRESSURE WARNING LAMP	–	I	P	P
BRAKE WARNING LAMP	–	I	P	P
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles	I	R	P
	R.H. drive vehicles	I	R	P
POWER WINDOWS	Hatchback	I	P	P
	Sedan	I	P	P
HEATER	–	I	P	P
AIR CONDITIONER	–	I	P	P
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	P	P
	R.H. drive vehicles	I	P	P
REAR WIPER AND WASHER	–	I	P	P
HEADLAMP WASHER	–	I	P	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	This manual: Pub. No. PHME9511-B (Supplement)
DEFOGGER AND DOOR MIRROR HEATER	–	I	P	P
REMOTE CONTROLLED MIRROR	L.H. drive vehicles	I	P	P
	R.H. drive vehicles	I	P	P
RADIO AND TAPE PLAYER	–	I	P	P
CLOCK	L.H. drive vehicles	I	P	P
	R.H. drive vehicles	I	P	P
CIGARETTE LIGHTER	–	I	P	P
ANTI-SKID BRAKING SYSTEM (ABS)	L.H. drive vehicles	I	R	R
	R.H. drive vehicles	I	R	R
SUNROOF	–	I	P	P
HEATED SEAT	–	I	P	P
IMMOBILIZER SYSTEM	–	I	R	P
RHEOSTAT	–	I	P	P
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	–	I	D	P
	Vehicles without side air bag	N	A	P
	Vehicles with side air bag	N	A	P
LIGHTING MONITOR BUZZER	–	I	P	P

HOW TO READ THE WIRING DIAGRAMS

CONTENTS

MODELS	1-2
--------------	-----

MODELS**<Hatchback>**

Model code		Engine model	Transmission model	Fuel supply system	
CJ1A	MNDEL6	4G13-SOHC (1, 299 mℓ)	F5M41 (5M/T)	MPI	
	MNDGL6				
	MNDER6				
	MNJEL6				
	MNJGL6				
	MNJER6				
	MRJEL6		F4A41 (4A/T)		
	MRJER6				
CJ4A	MNJEL6	4G92-SOHC (1, 597 mℓ)	F5M41 (5M/T)		
	MNJGL6				
	MNJER6				
	MNUEL6				
	MNUER6				
	MNUGL6				
	MRJEL6		F4A41 (4A/T)		
	MRJGL6				
	MRJER6				
	MRUEL6				
	MRUER6				
	MRUGL6				
	MNDAL6		F5M41 (5M/T)		MPI <MVV>
	MNDAR6				

<Sedan>

Model code		Engine model	Transmission model	Fuel supply system
CK1A	SNDEL6	4G13-SOHC (1,299 ml)	F5M41 (5M/T)	MPI
	SNDGL6			
	SNDER6			
	SNJEL6			
	SNJGL6			
	SNJER6			
	SRJEL6		F4A41 (4A/T)	
	SRJER6			

CIRCUIT DIAGRAM

CONTENTS

MPI SYSTEM

4G13 <L.H. drive vehicles>	4-2
4G13 <R.H. drive vehicles>	4-10
4G92 <L.H. drive vehicles>	4-18
4G92 <R.H. drive vehicles>	4-26

ELC 4-SPEED AUTOMATIC TRANSMISSION

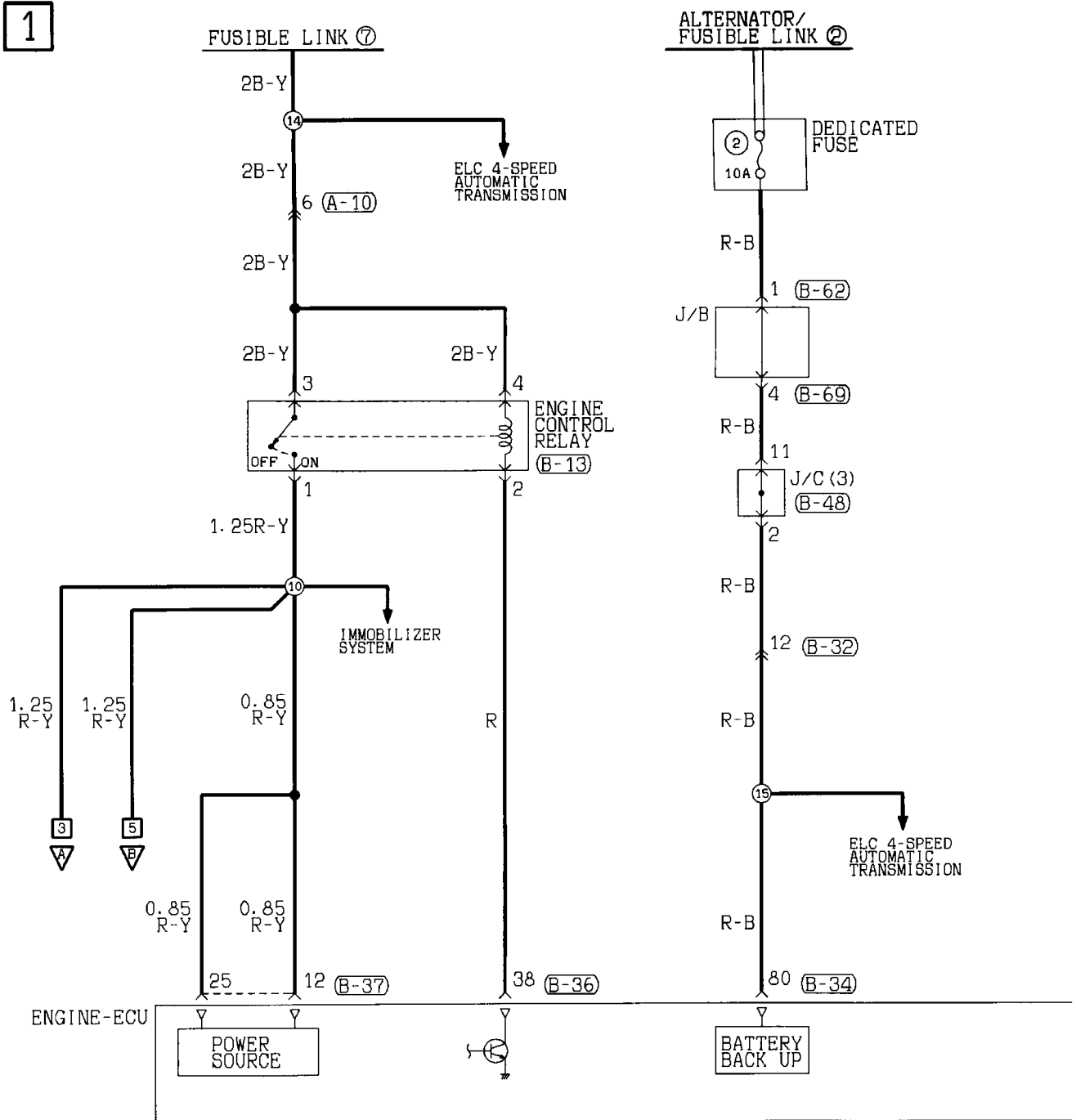
L.H. drive vehicles	4-34
R.H. drive vehicles	4-42

ANTI-SKID BRAKING SYSTEM (ABS)

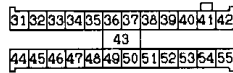
L.H. drive vehicles	4-50
R.H. drive vehicles	4-56

MPI SYSTEM

4G13 <L.H. drive vehicles>



(A-10) (A-96) (B-02)



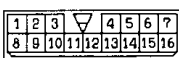
(B-12)



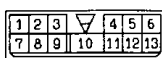
(B-13)



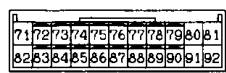
(B-32)



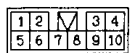
(B-33)



(B-34)



(D-04)



(D-14)



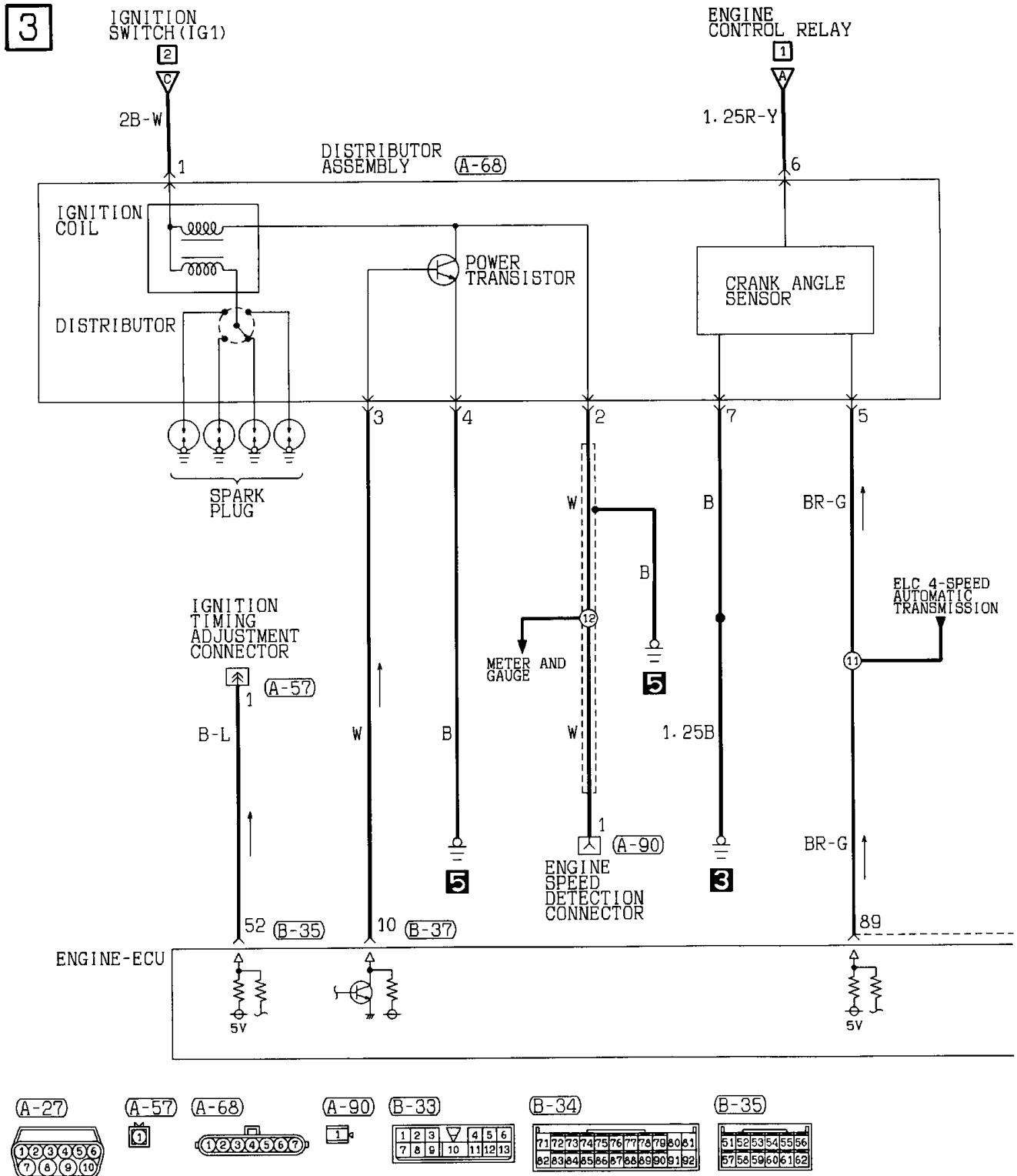


(B-70)

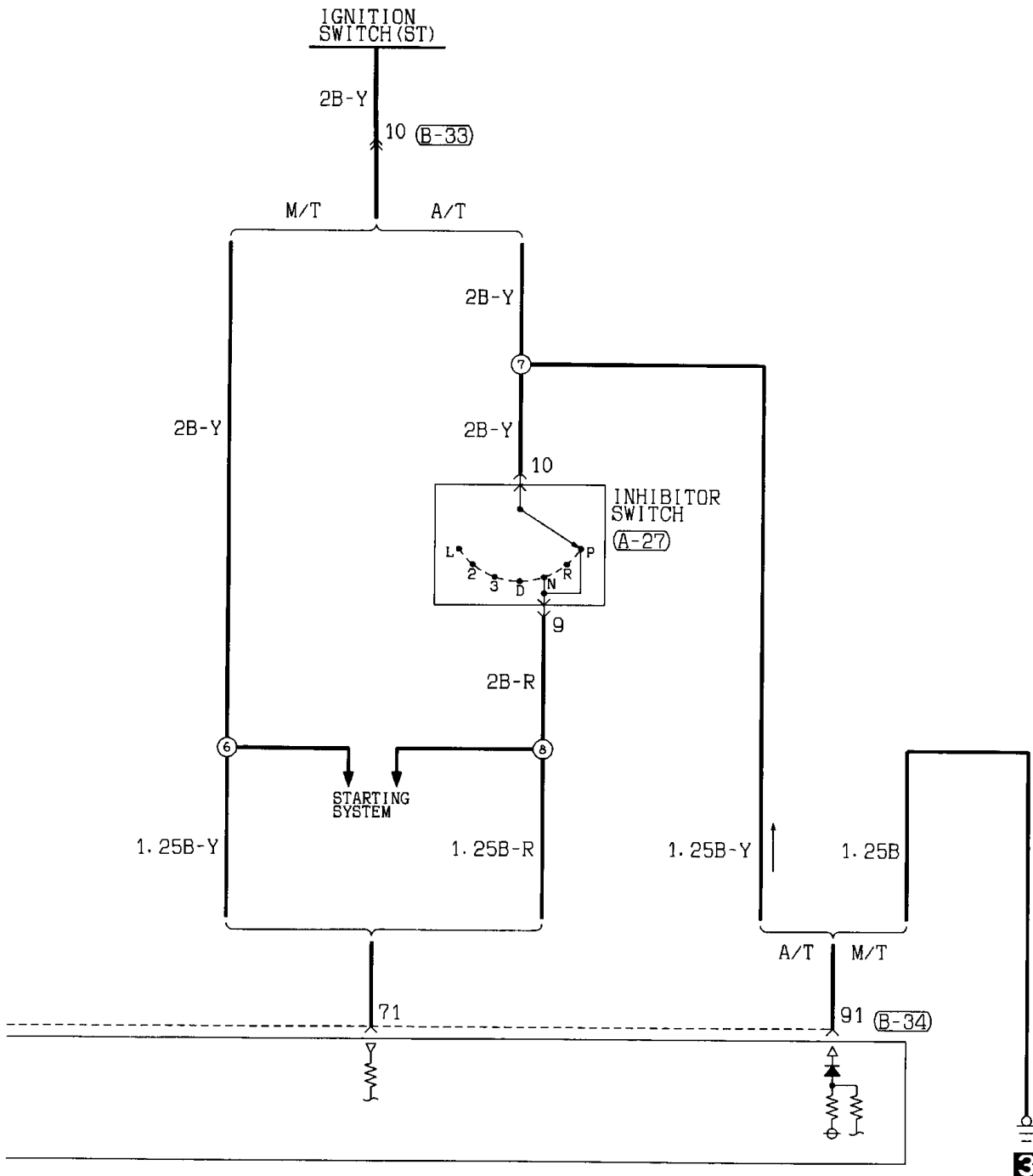
1	2	3	4
5	6	7	8

SB: Sky blue

MPI SYSTEM
4G13 <L.H. drive vehicles> (CONTINUED)



4



(B-37)

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

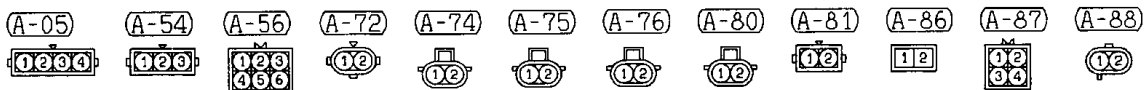
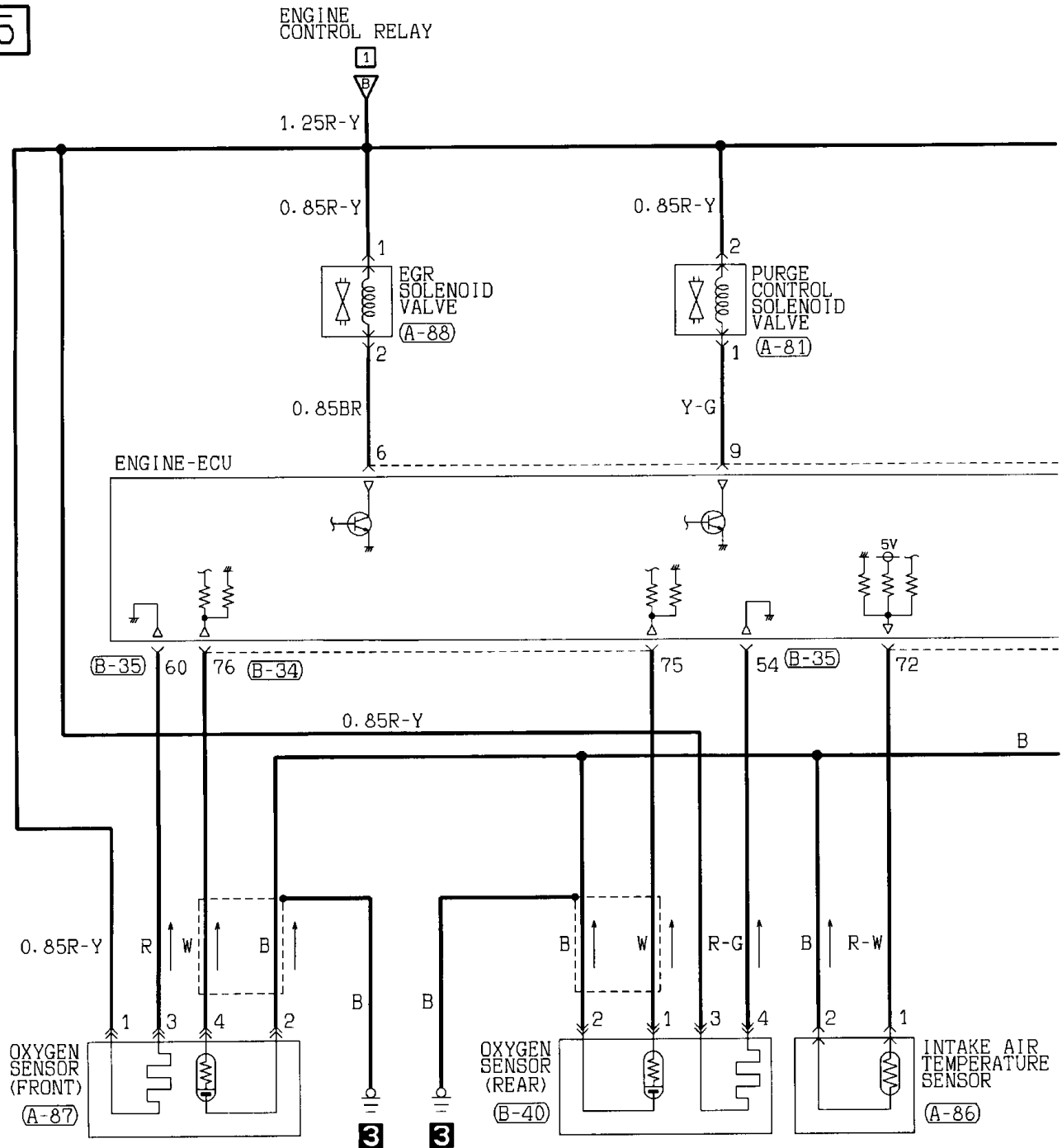
Wire colour code

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

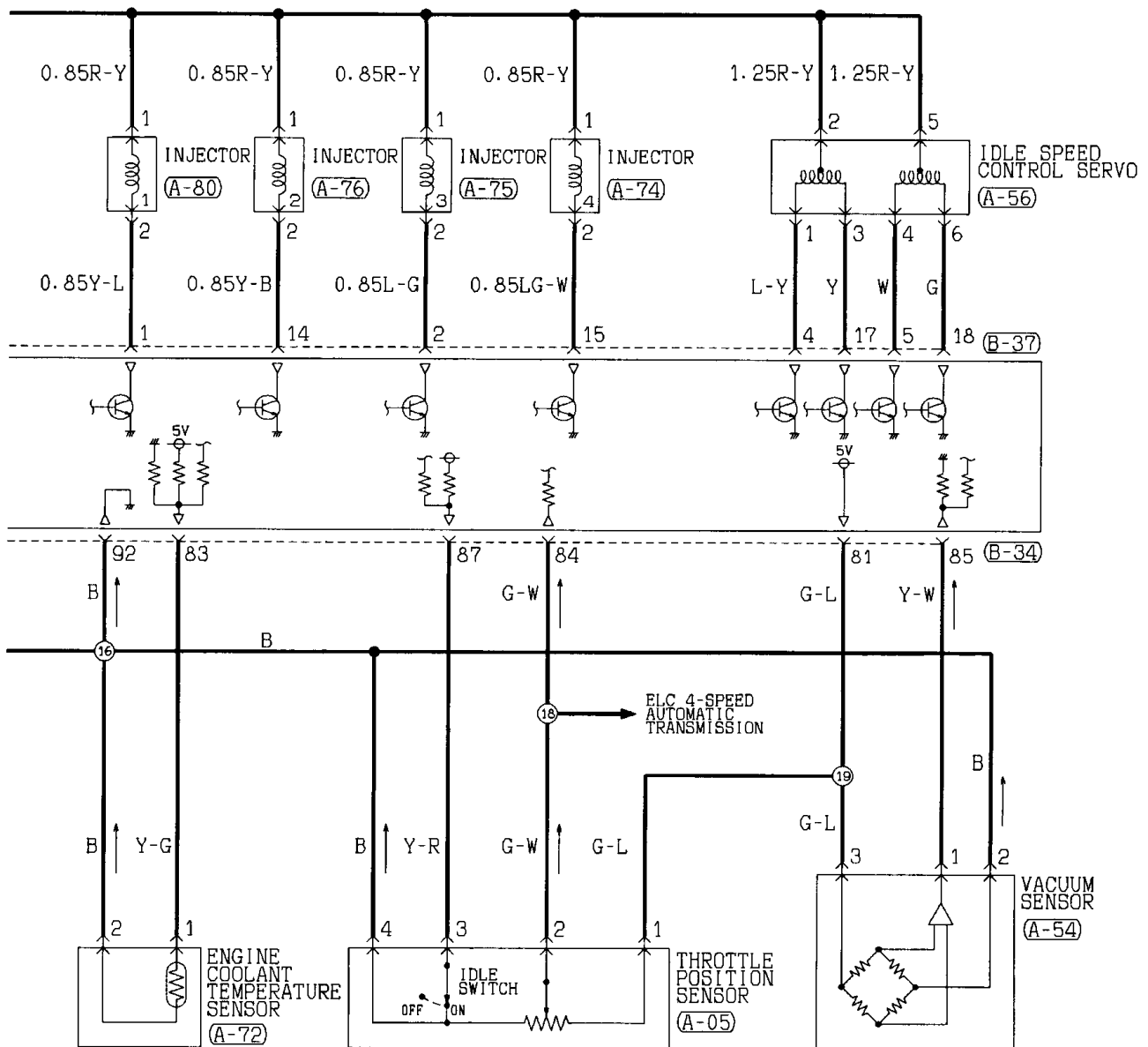
MPI SYSTEM

4G13 <L.H. drive vehicles> (CONTINUED)

5



6



(B-34)

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

(B-35)

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

(B-37)

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-40)

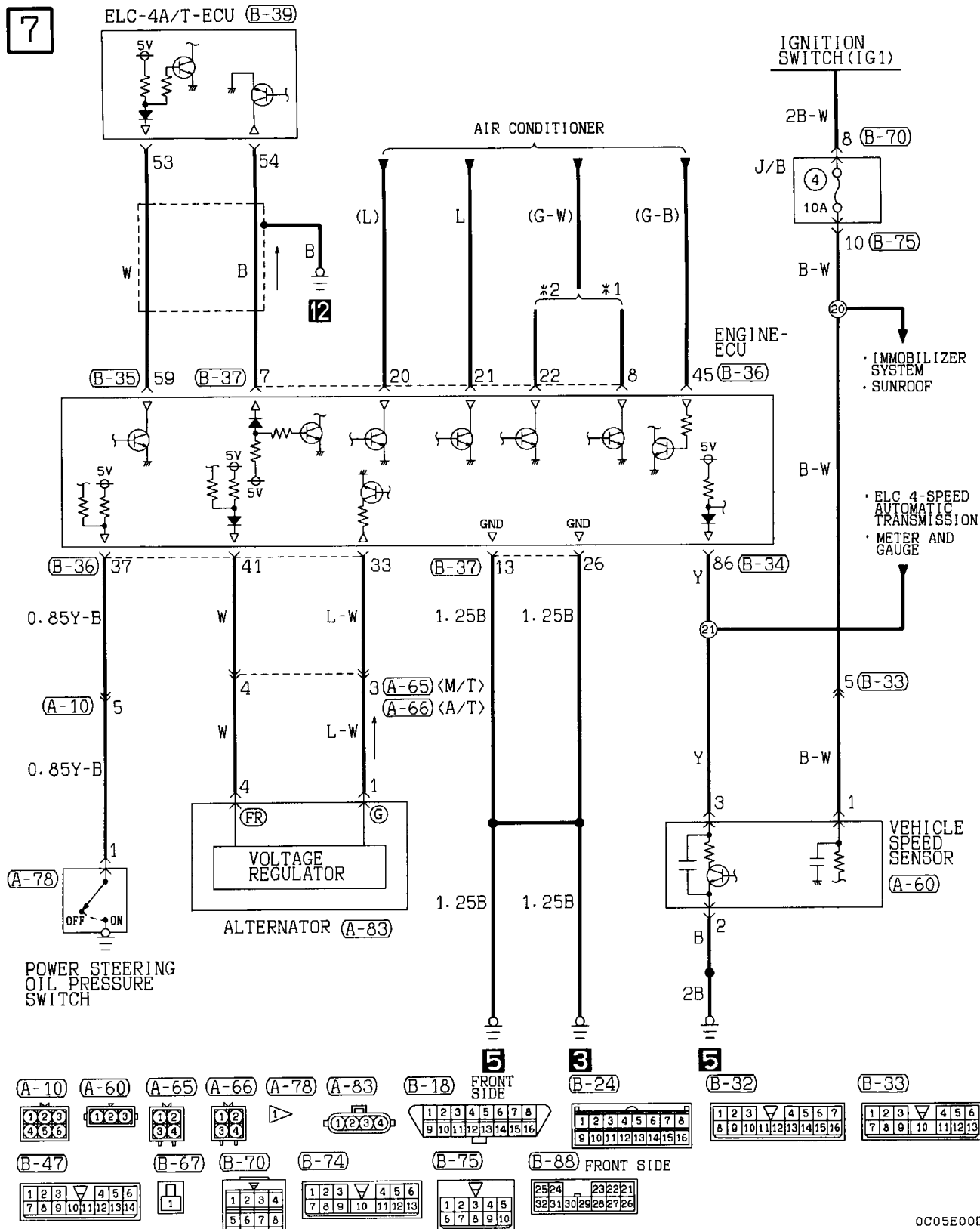
1	2	3	4
---	---	---	---

Wire colour code

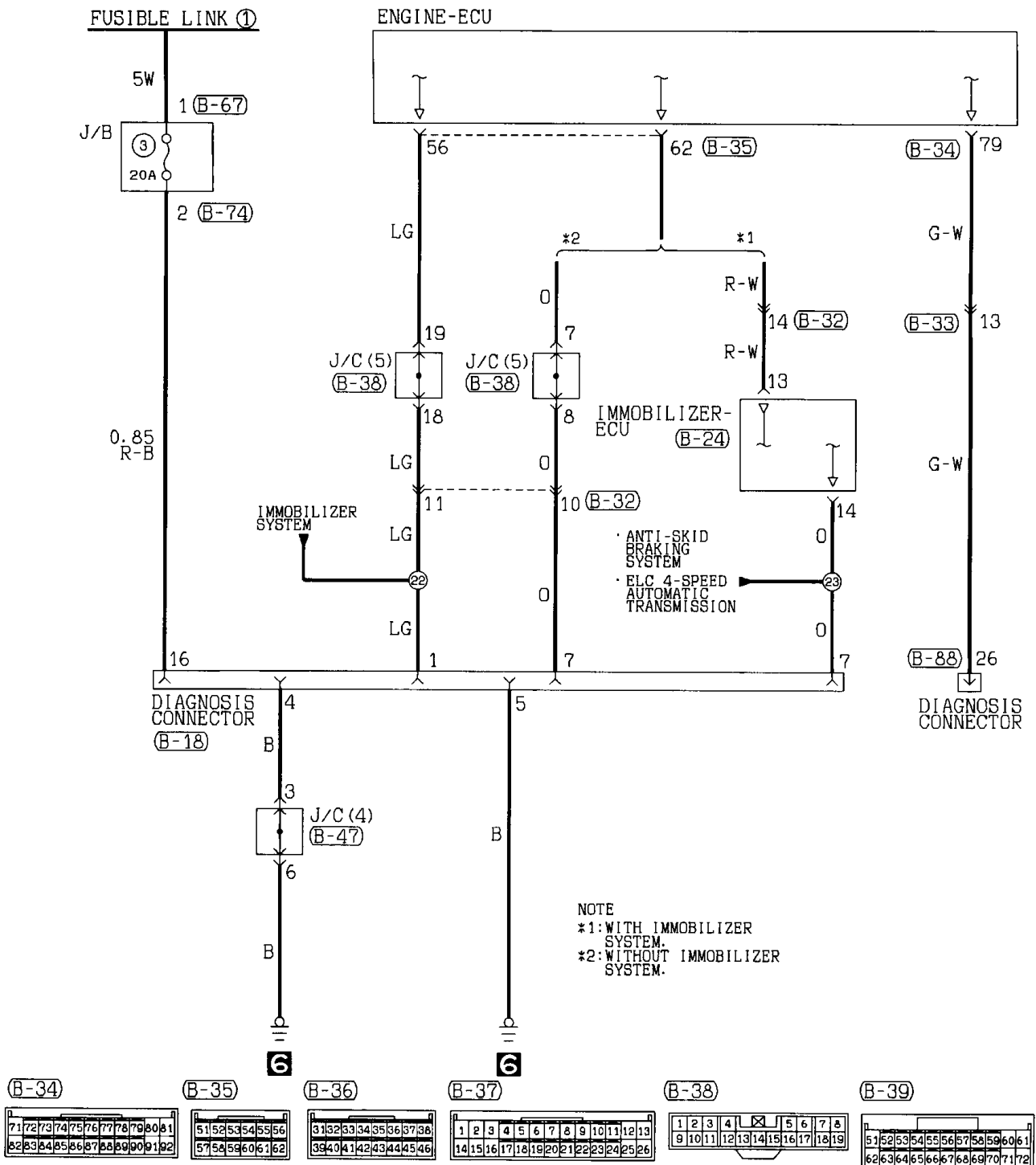
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

MPI SYSTEM

4G13 <L.H. drive vehicles> (CONTINUED)



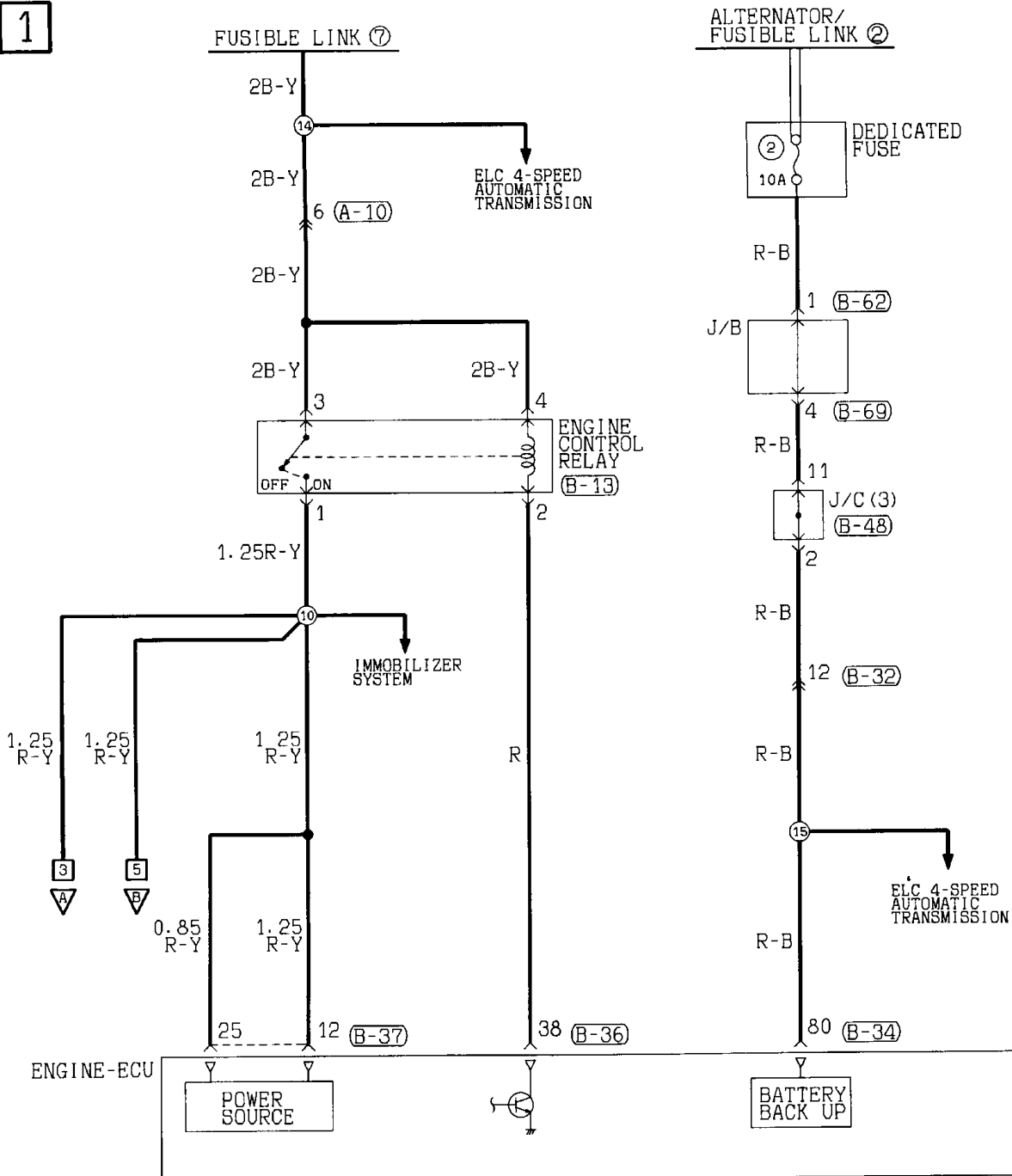
8



MPI SYSTEM

4G13 <R.H. drive vehicles>

1





(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2									3	4
5	6	7	8	9	10	11					

(B-69)

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

(B-70)

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

Wire colour code

Wire colour code
B:Black LG:Light green
BR:Brown O:Orange

G : Green
GR: Gray

L : Blue
R : Red

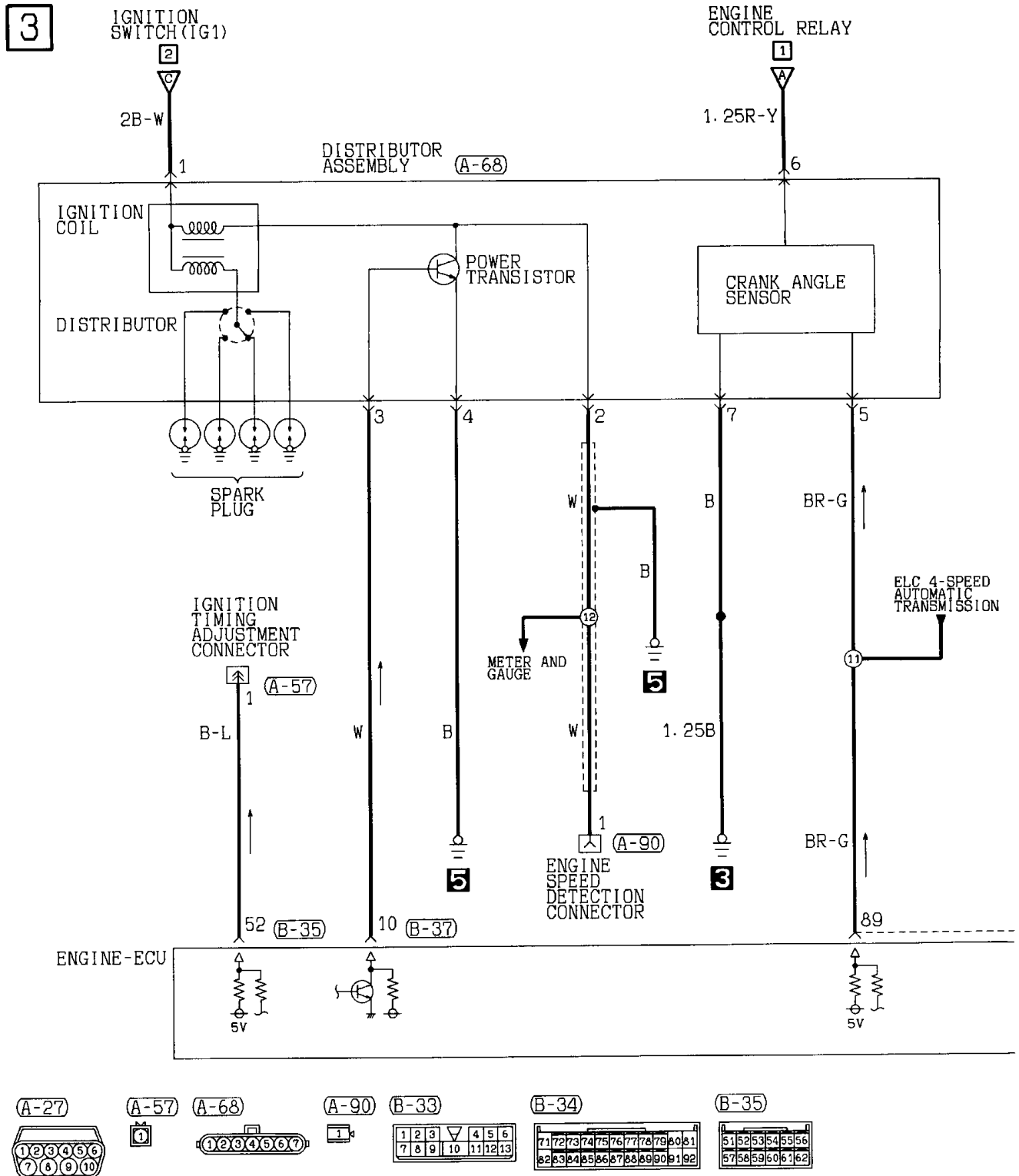
W : White
P : Pink

Y : Yellow
V : Violet

SB: Sky blue

NOTE
*1: WITH IMMOBILIZER SYSTEM.
*2: WITHOUT IMMOBILIZER SYSTEM.

MPI SYSTEM 4G13 <R.H. drive vehicles> (CONTINUED)





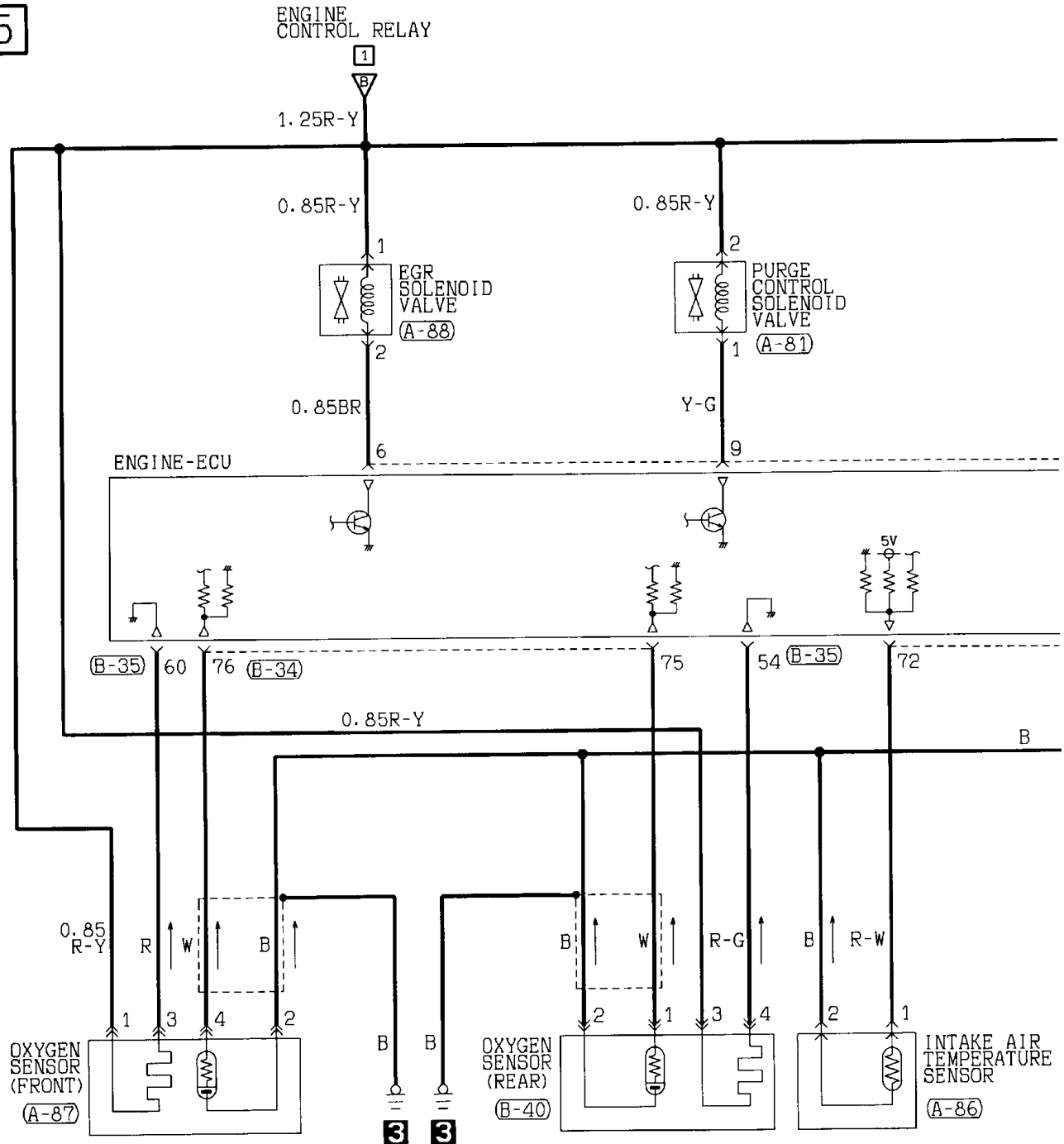
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

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

MPI SYSTEM

4G13 <R.H. drive vehicles> (CONTINUED)

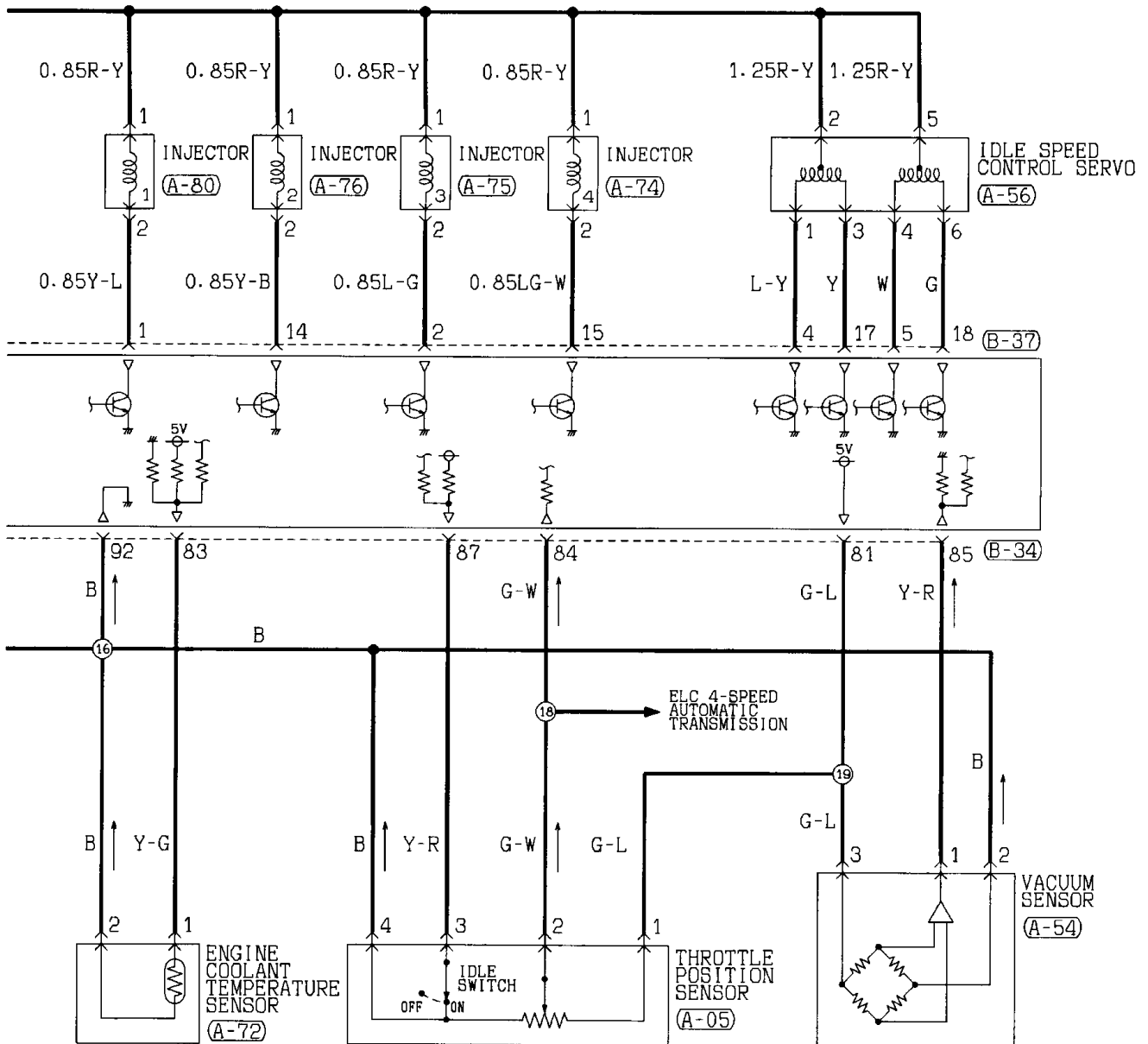
5



(A-05) (A-54) (A-56) (A-72) (A-74) (A-75) (A-76) (A-80) (A-81) (A-86) (A-87) (A-88) (B-34)



6



(B-35)

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

(B-37)

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

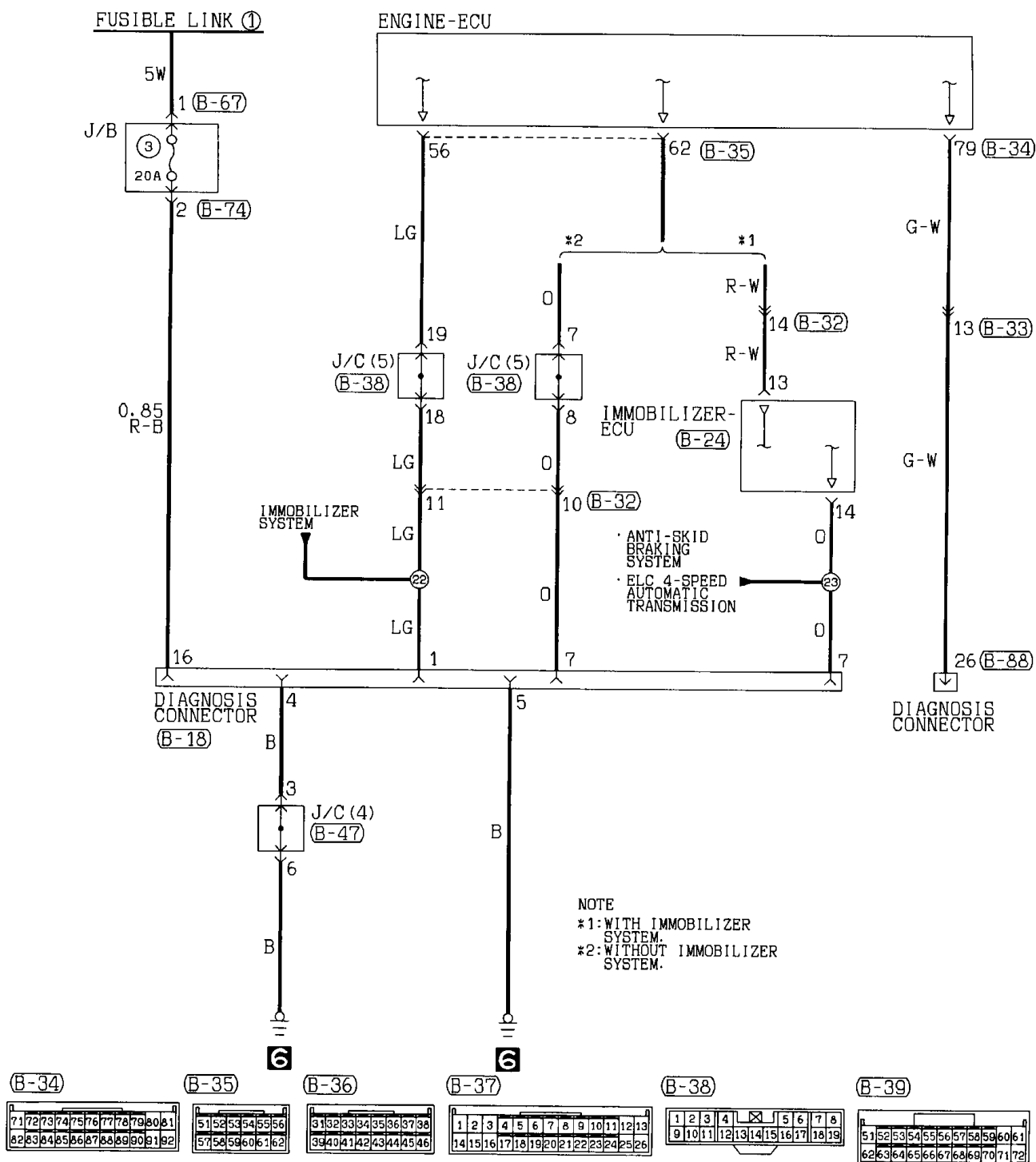
(B-40)

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

Wire colour code

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

8



Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

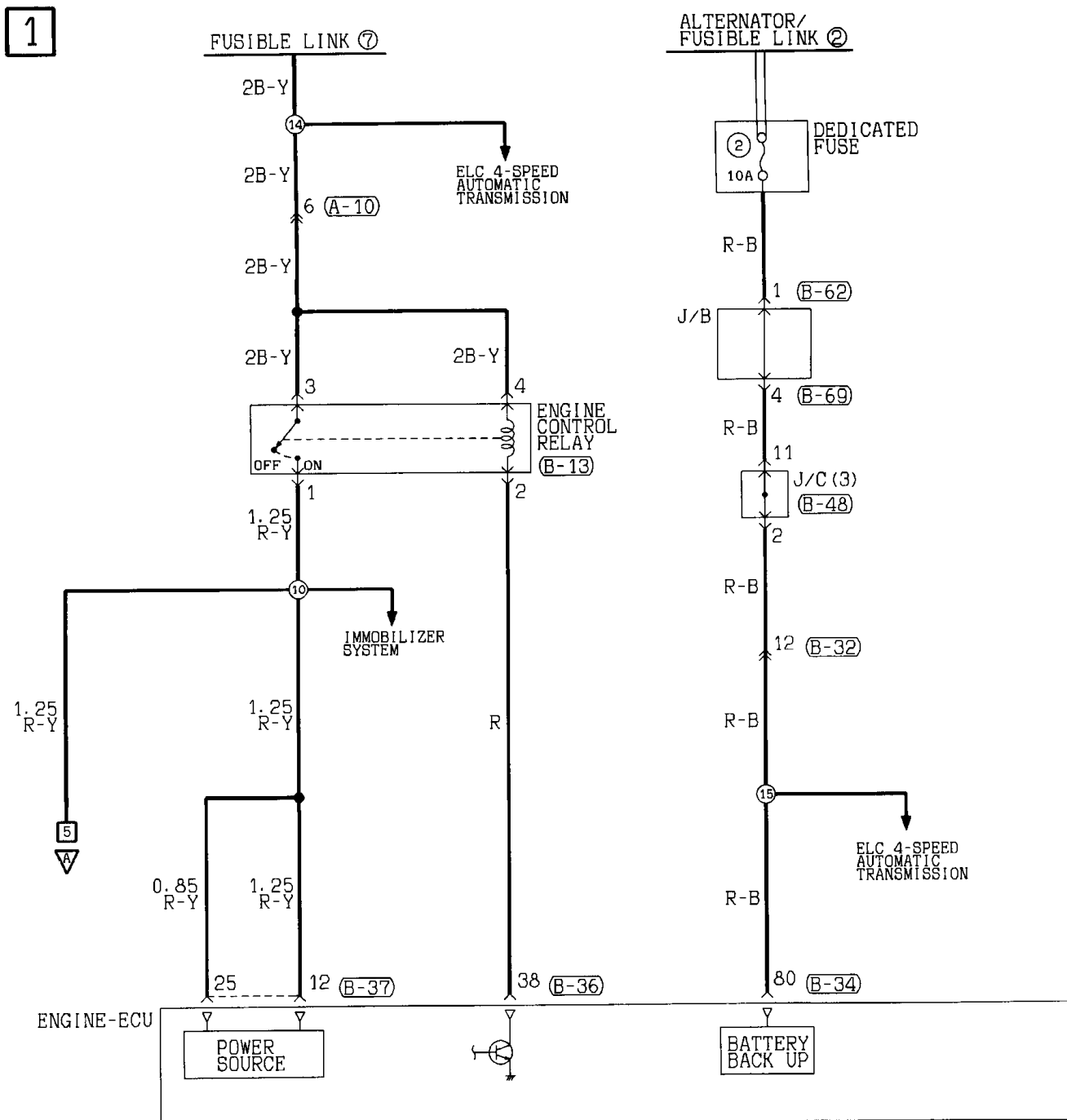
R : Red

P : Pink

V : Violet

MPI SYSTEM

4G92 <L.H. drive vehicles>



(A-10)

(A-96)

(B-02)

(B-12)

(B-13)

(B-32)

(B-33)

(B-34)



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



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

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

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

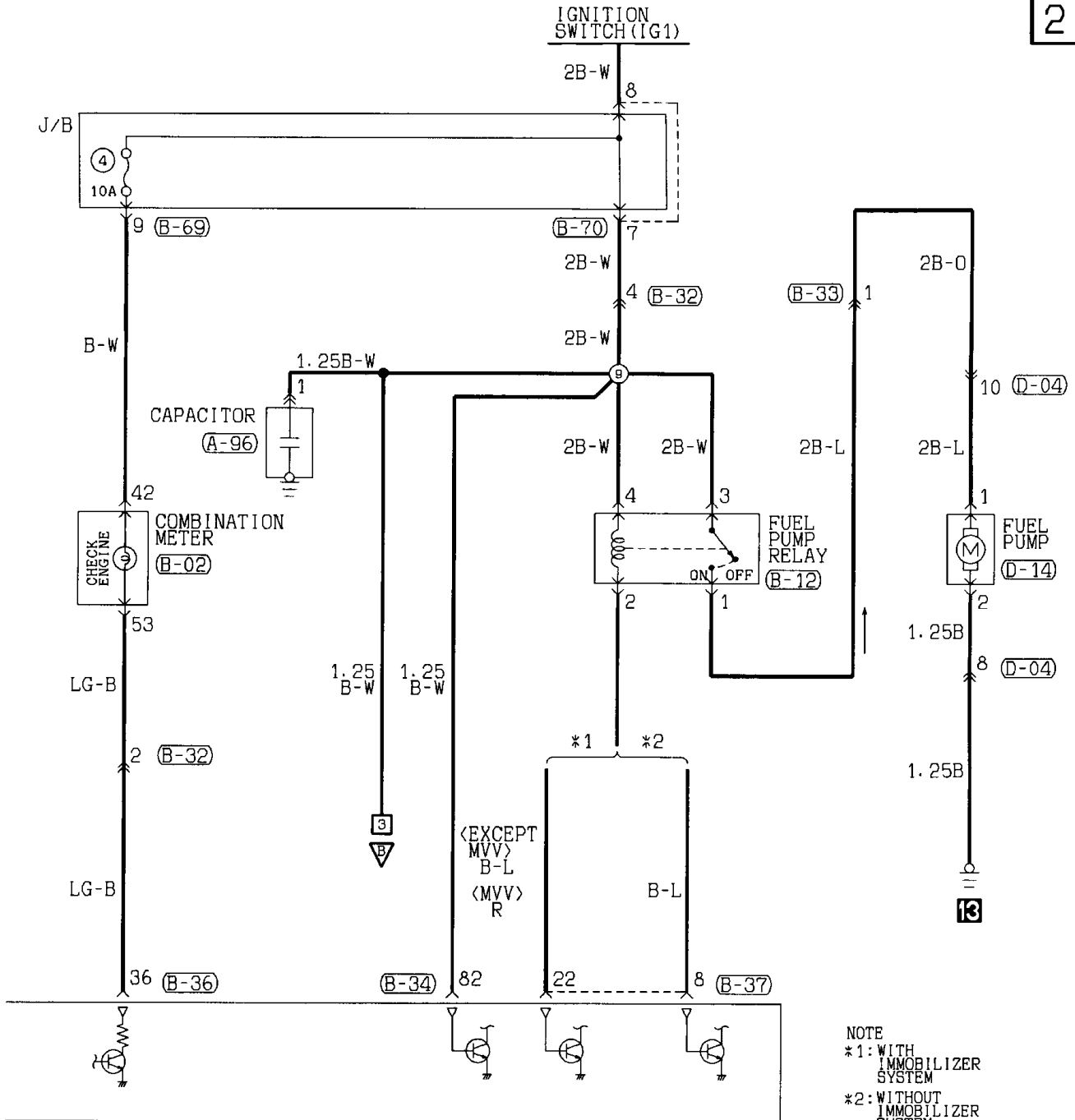
(D-04)

(D-14)

1	2	3	4
5	6	7	8
9	10		



2



(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

(B-69)

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

(B-70)

1	2	3	4
5	6	7	8

Wire colour code

B : Black LG: Light green

G : Green GR: Gray

L : Blue R : Red

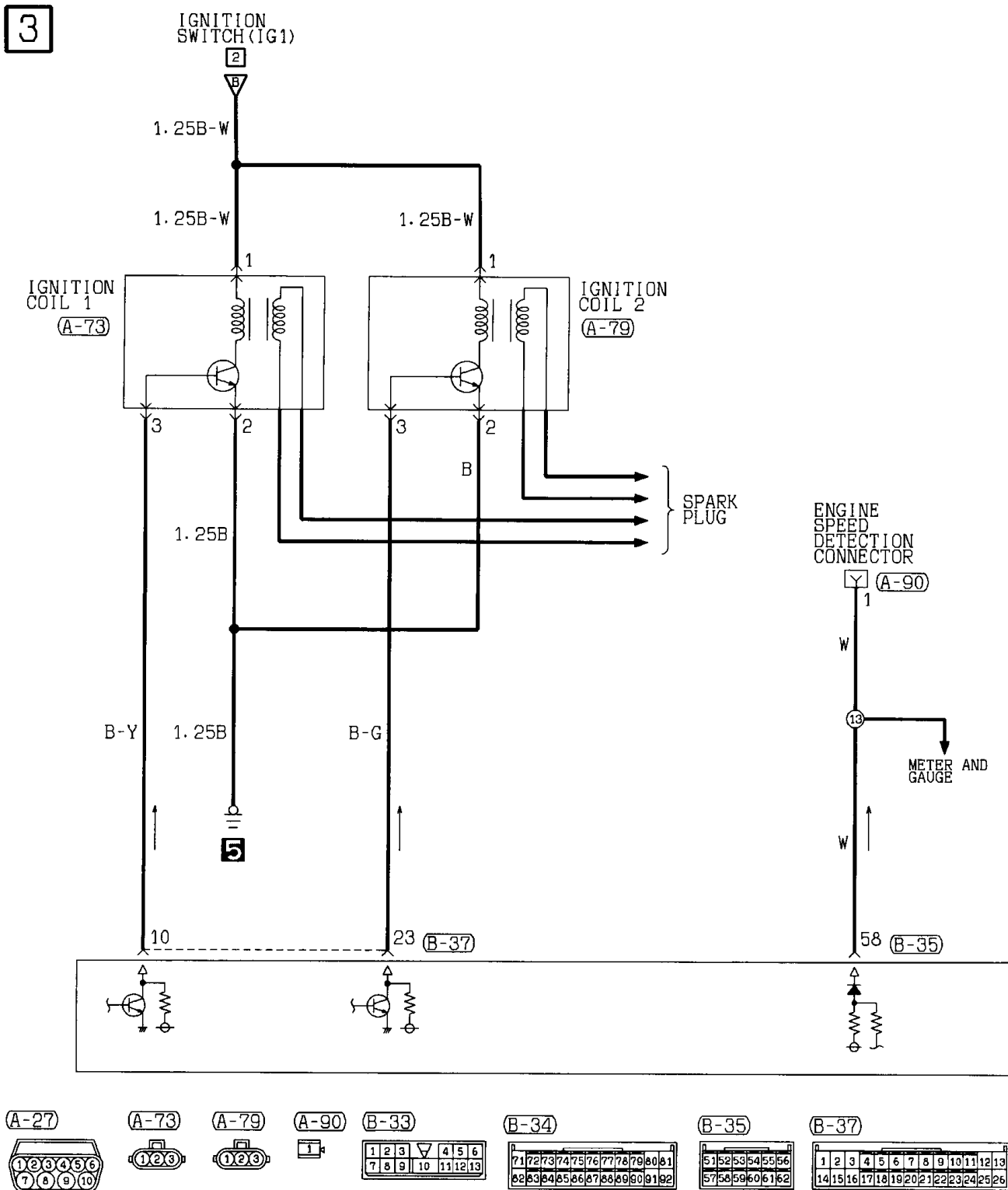
W : White P : Pink

Y : Yellow V : Violet

SB: Sky blue

MPI SYSTEM

4G92 <L.H. drive vehicles> (CONTINUED)

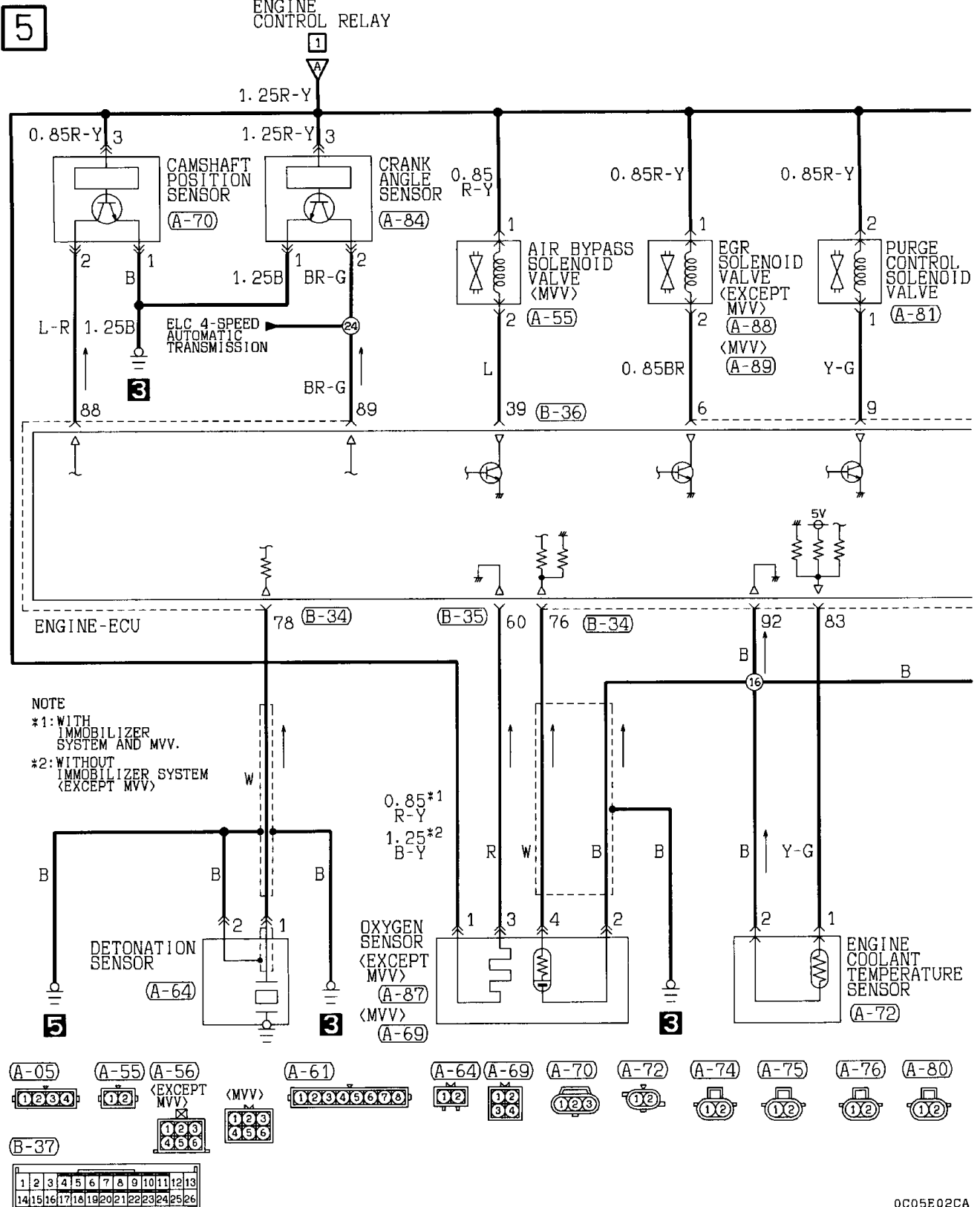




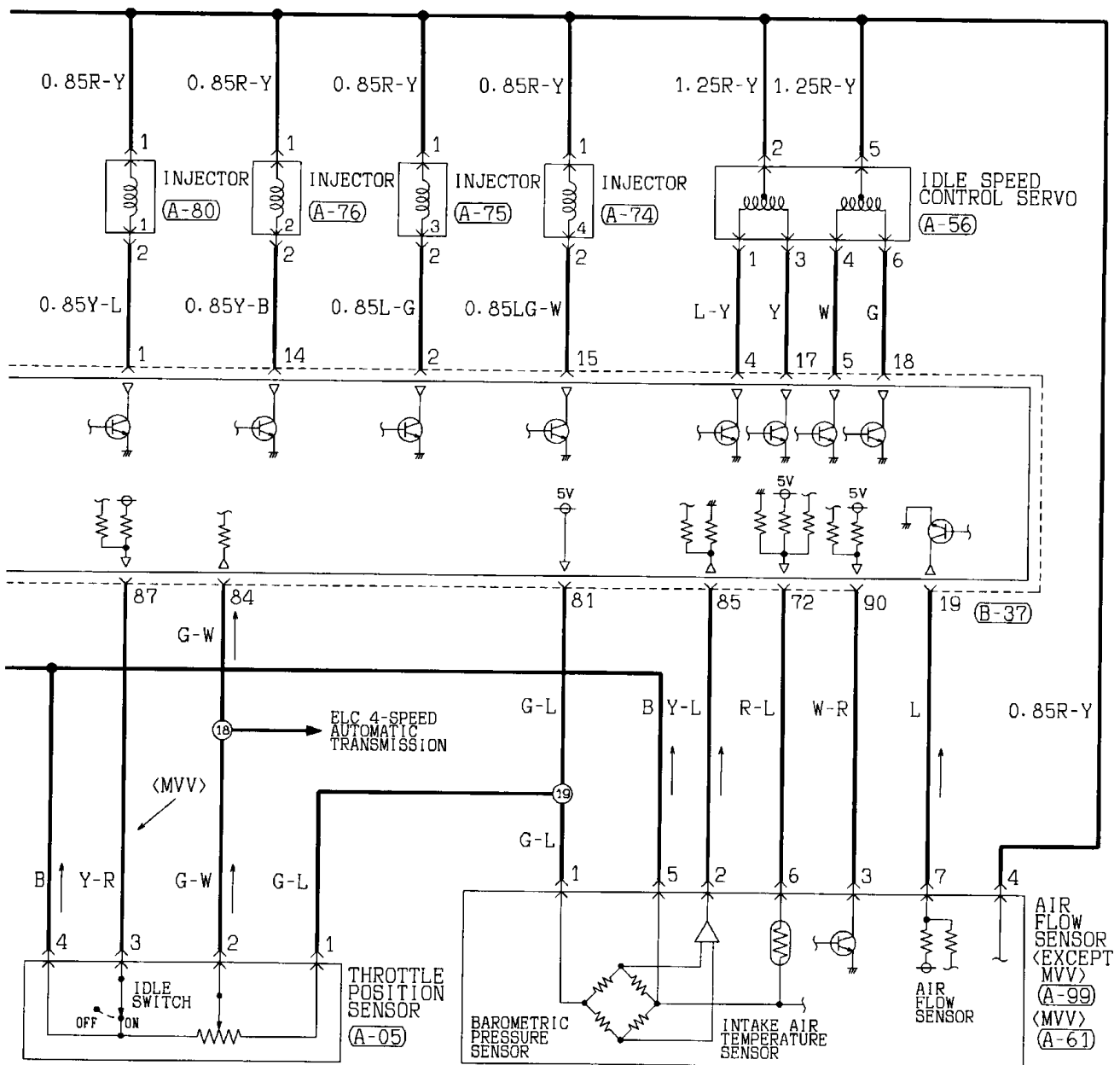
0C05E02BB

MPI SYSTEM

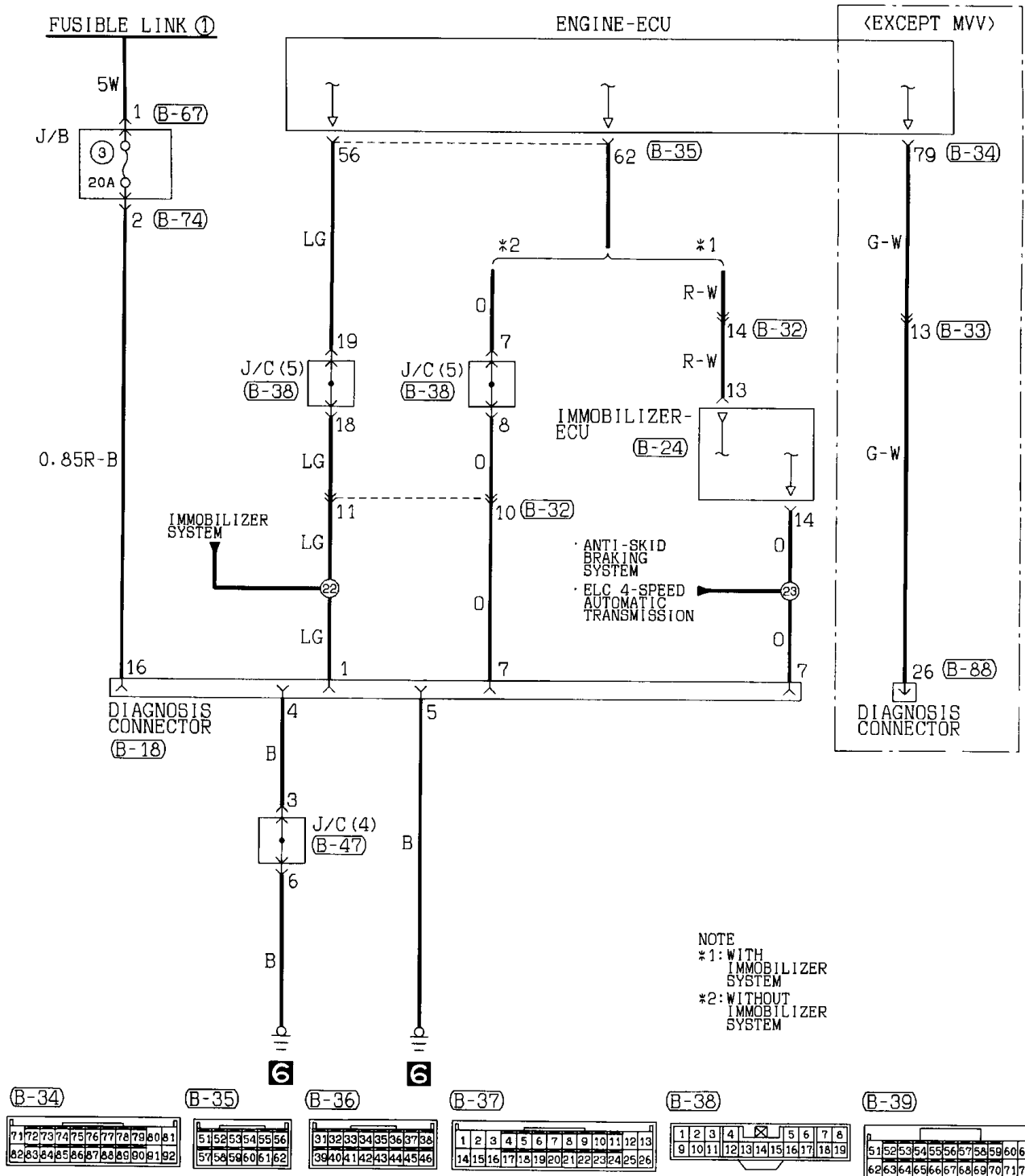
4G92 <L.H. drive vehicles> (CONTINUED)



6

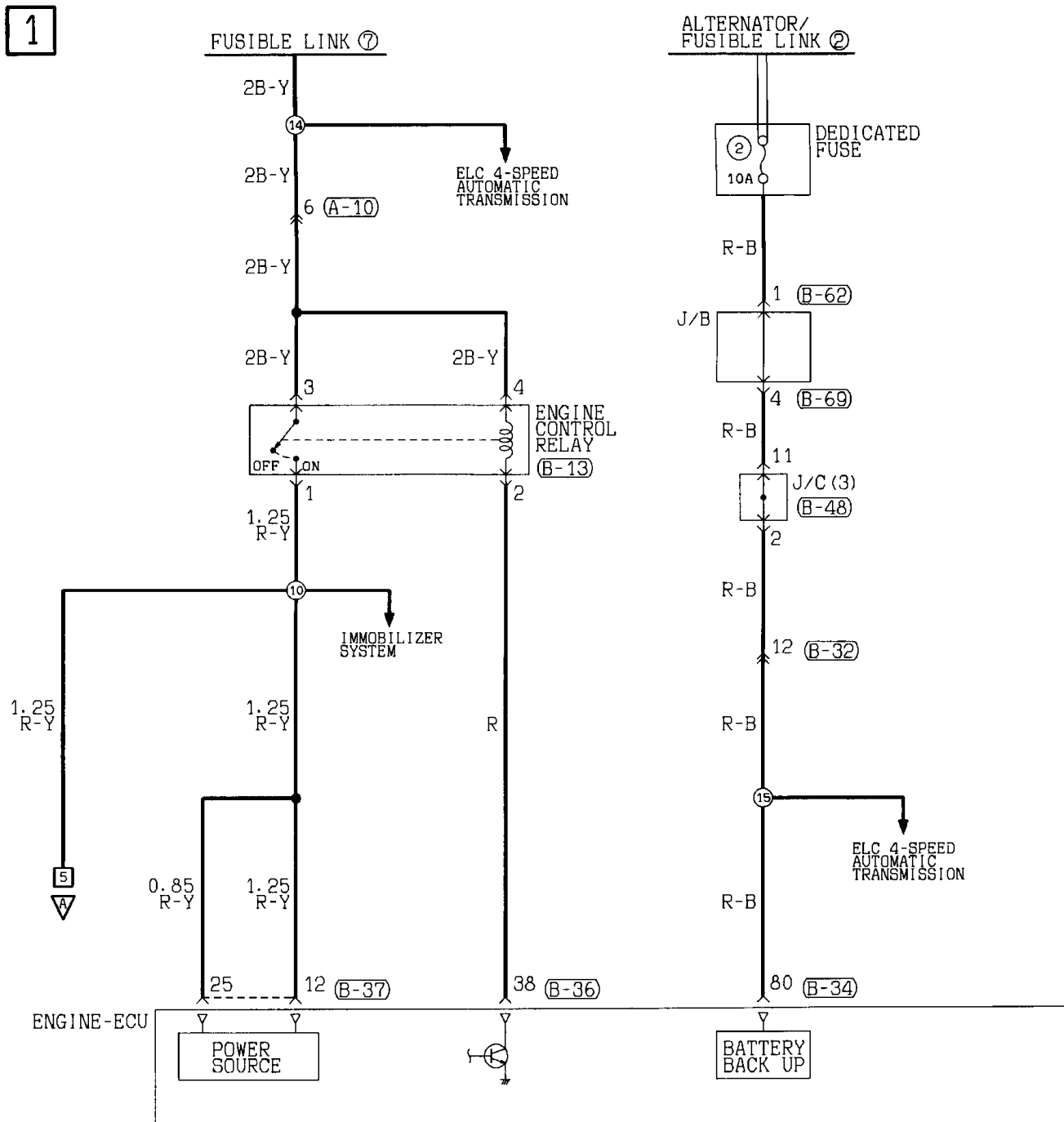


8

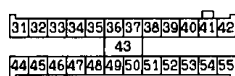


MPI SYSTEM

4G92 <R.H. drive vehicles>



(A-10) (A-96) (B-02)



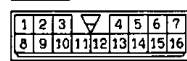
(B-12)



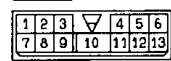
(B-13)



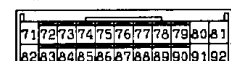
(B-32)



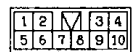
(B-33)



(B-34)



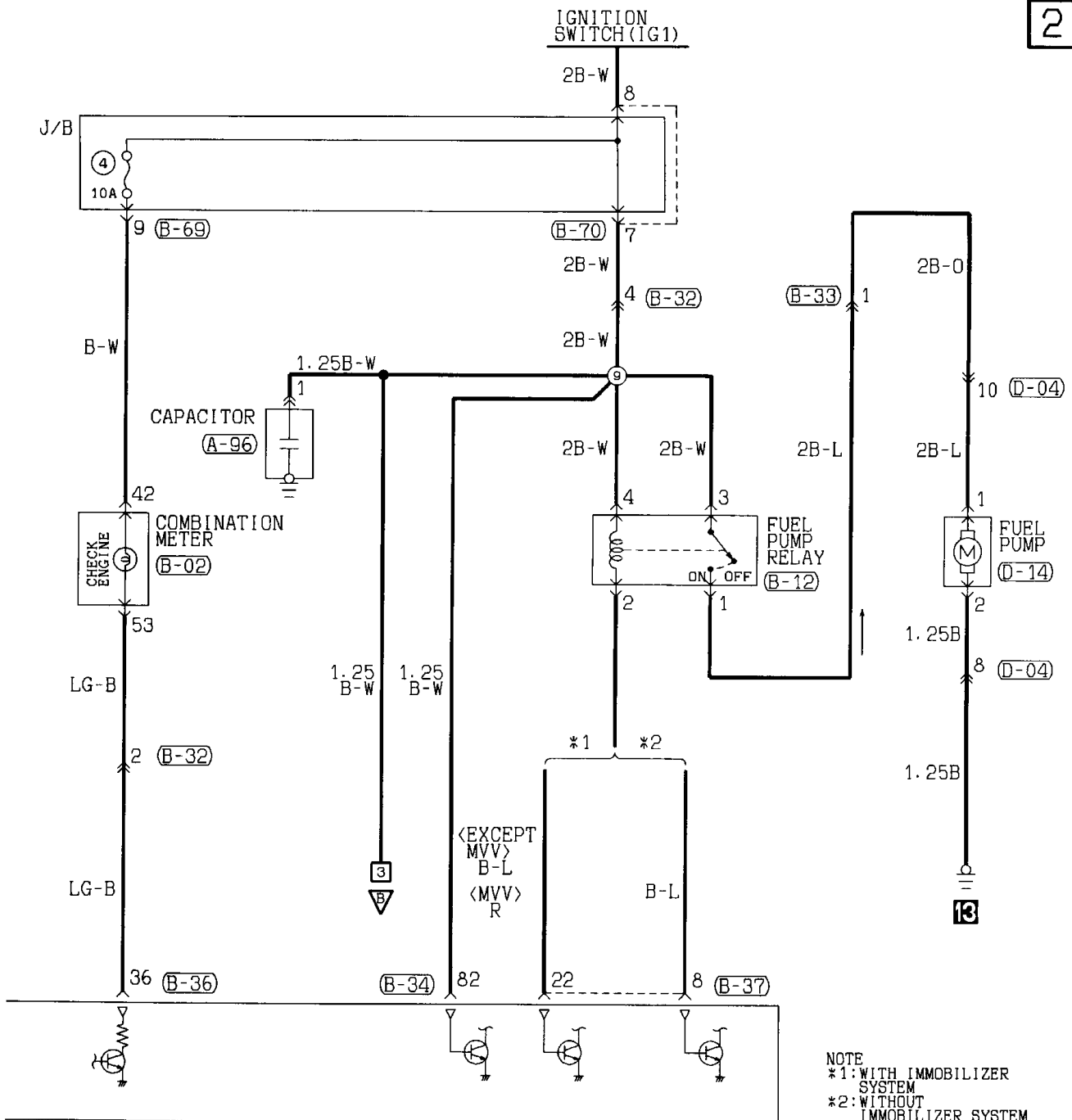
(D-04)



(D-14)



2



(B-36)

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

(B-37)

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-48)

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

(B-62)

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

(B-69)

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-70)

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

Wire colour code

B : Black LG : Light green

BR : Brown O : Orange

G : Green

GR : Gray

L : Blue

R : Red

W : White

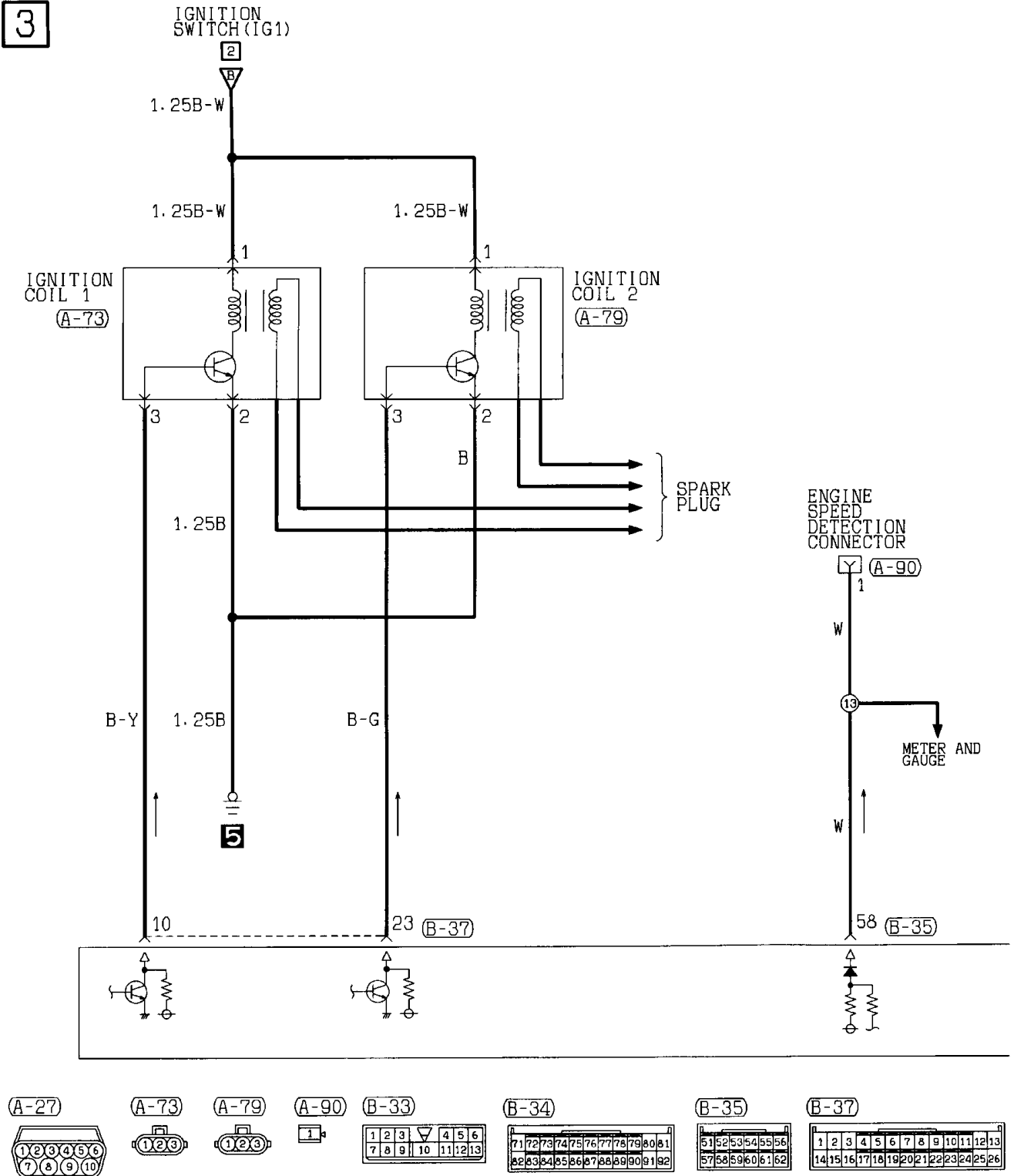
P : Pink

Y : Yellow

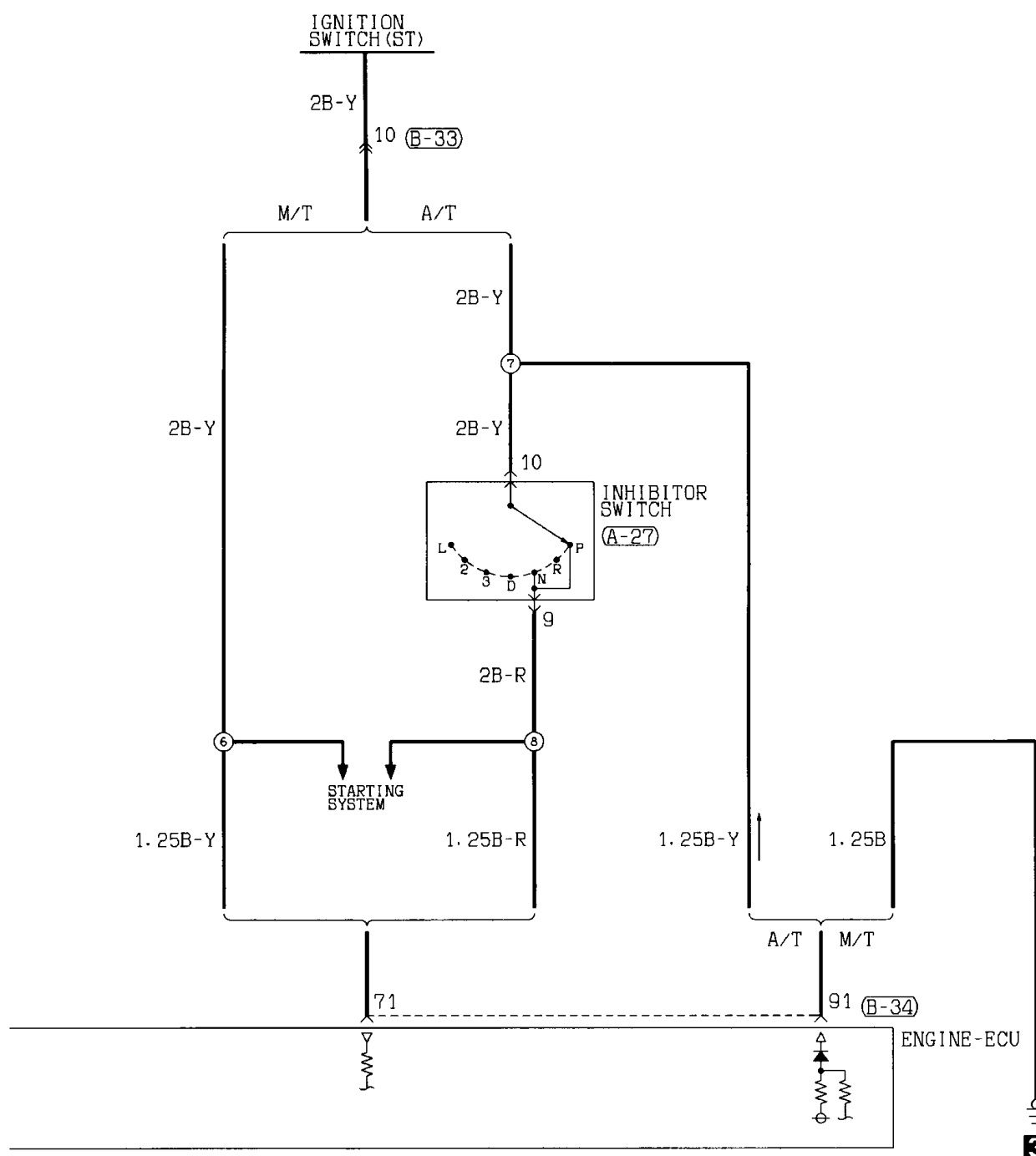
V : Violet

SB : Sky blue

MPI SYSTEM 4G92 <R.H. drive vehicles> (CONTINUED)



4

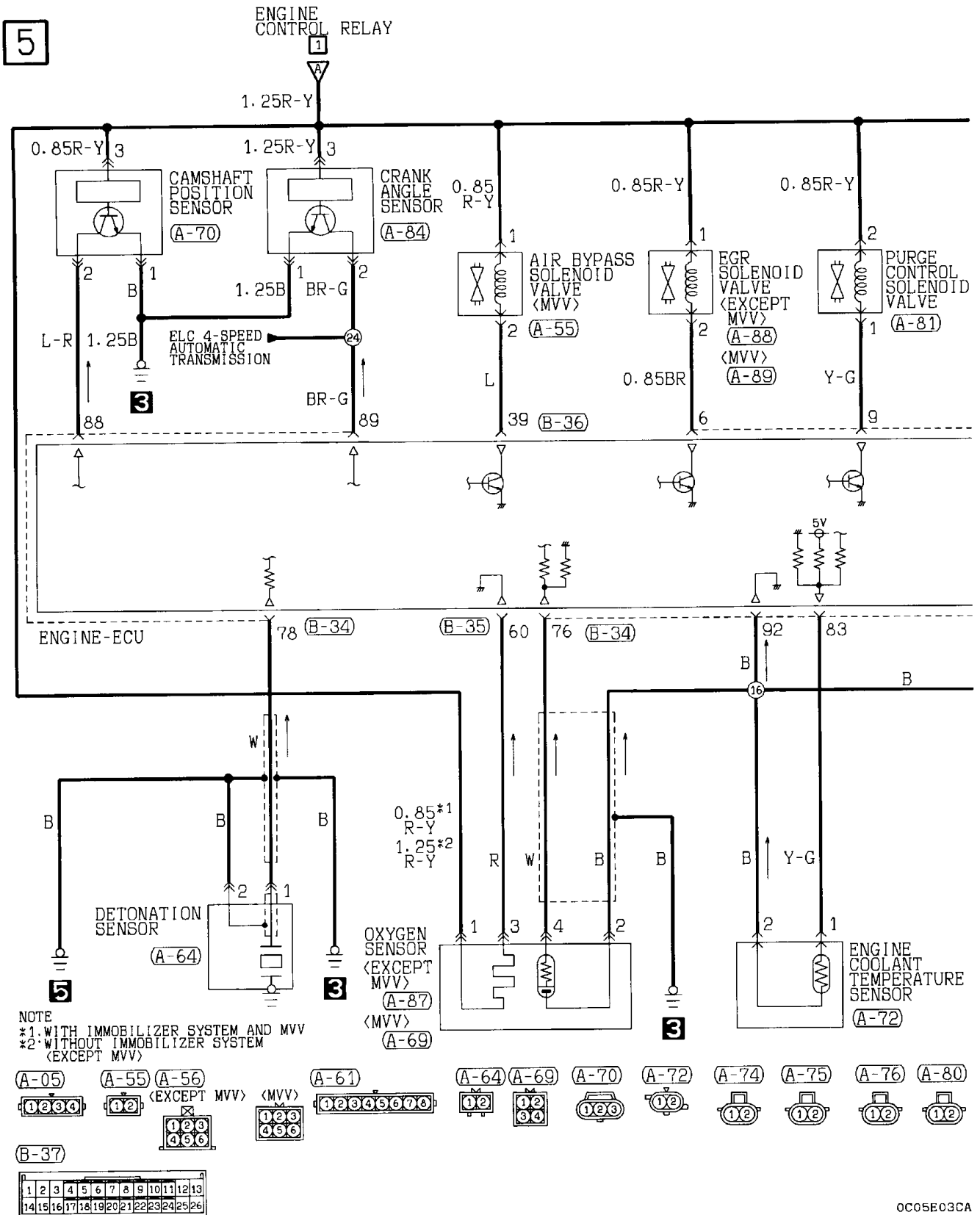


Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

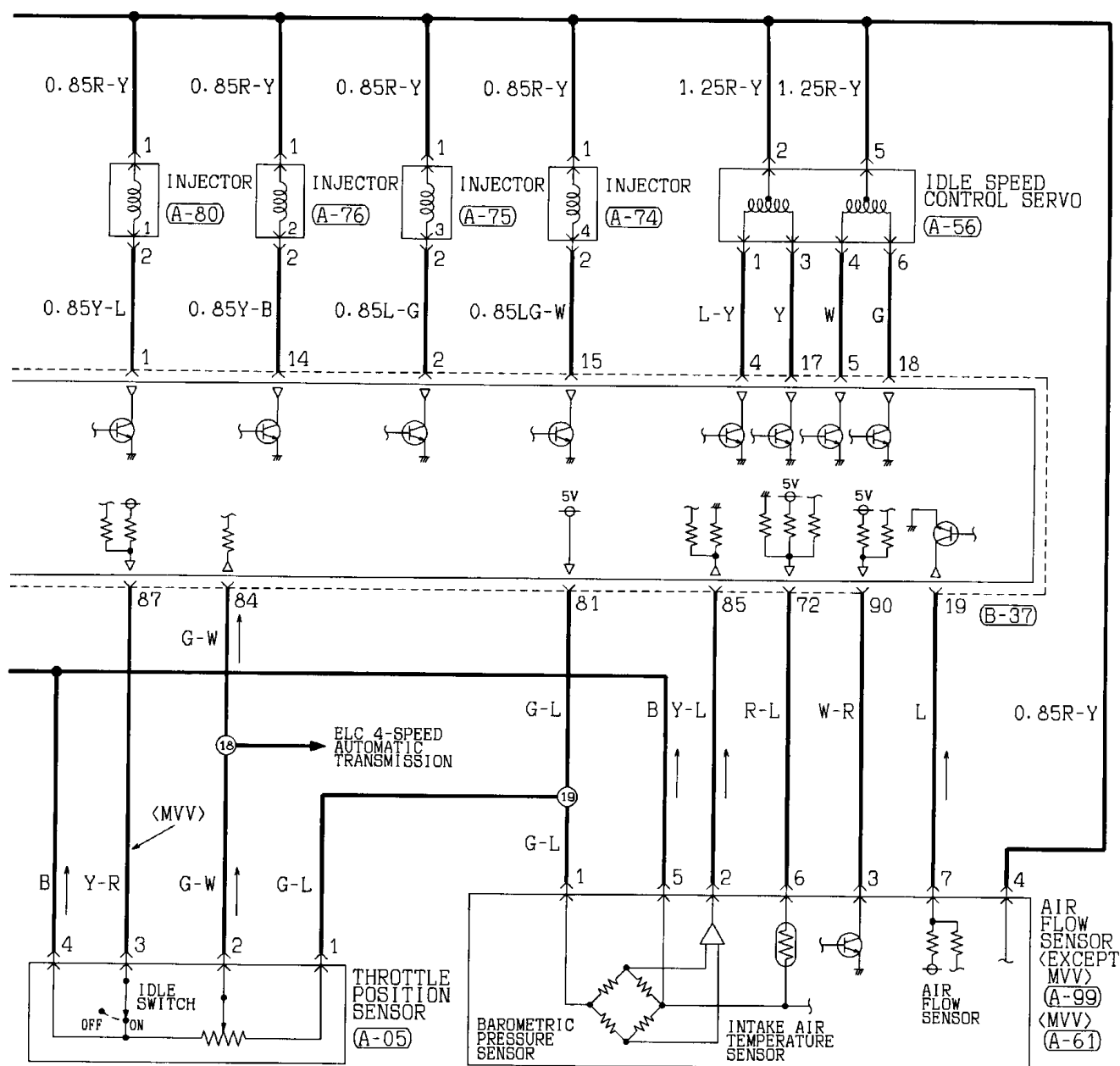
0C05E03BB

MPI SYSTEM

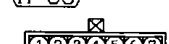
4G92 <R.H. drive vehicles> (CONTINUED)



6



(A-81) (A-84) (A-87) (A-88) (A-89) (A-99)



(B-34)

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

(B-35)

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

(B-36)

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

Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

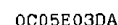
Y : Yellow

P : Pink

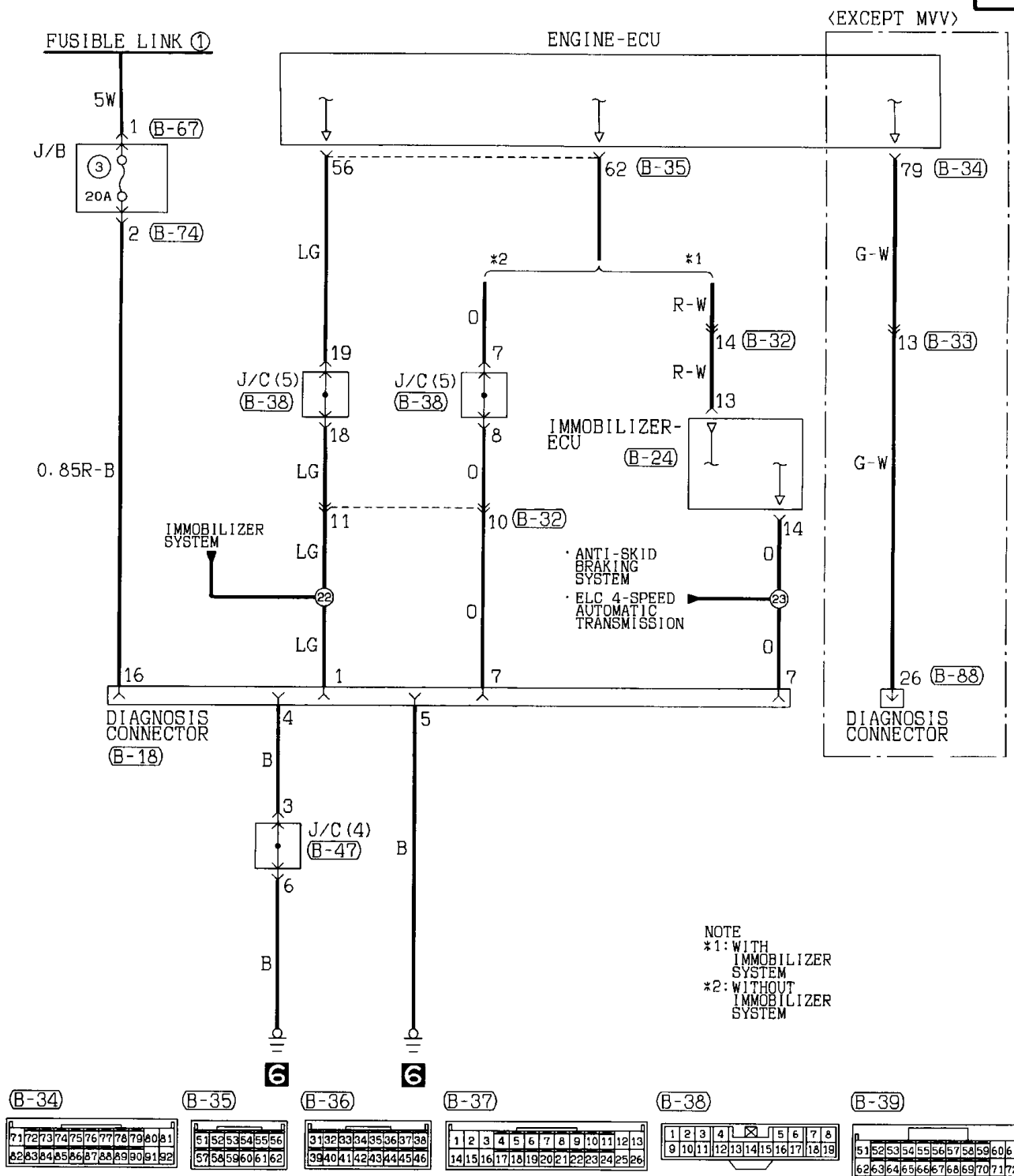
V : Violet

SB : Sky blue

4G92 <R.H. drive vehicles> (CONTINUED)



8



Wire colour code

B : Black LG : Light green

G : Green

L : Blue

W : White

Y : Yellow

SB : Sky blue

BR : Brown O : Orange

GR : Gray

R : Red

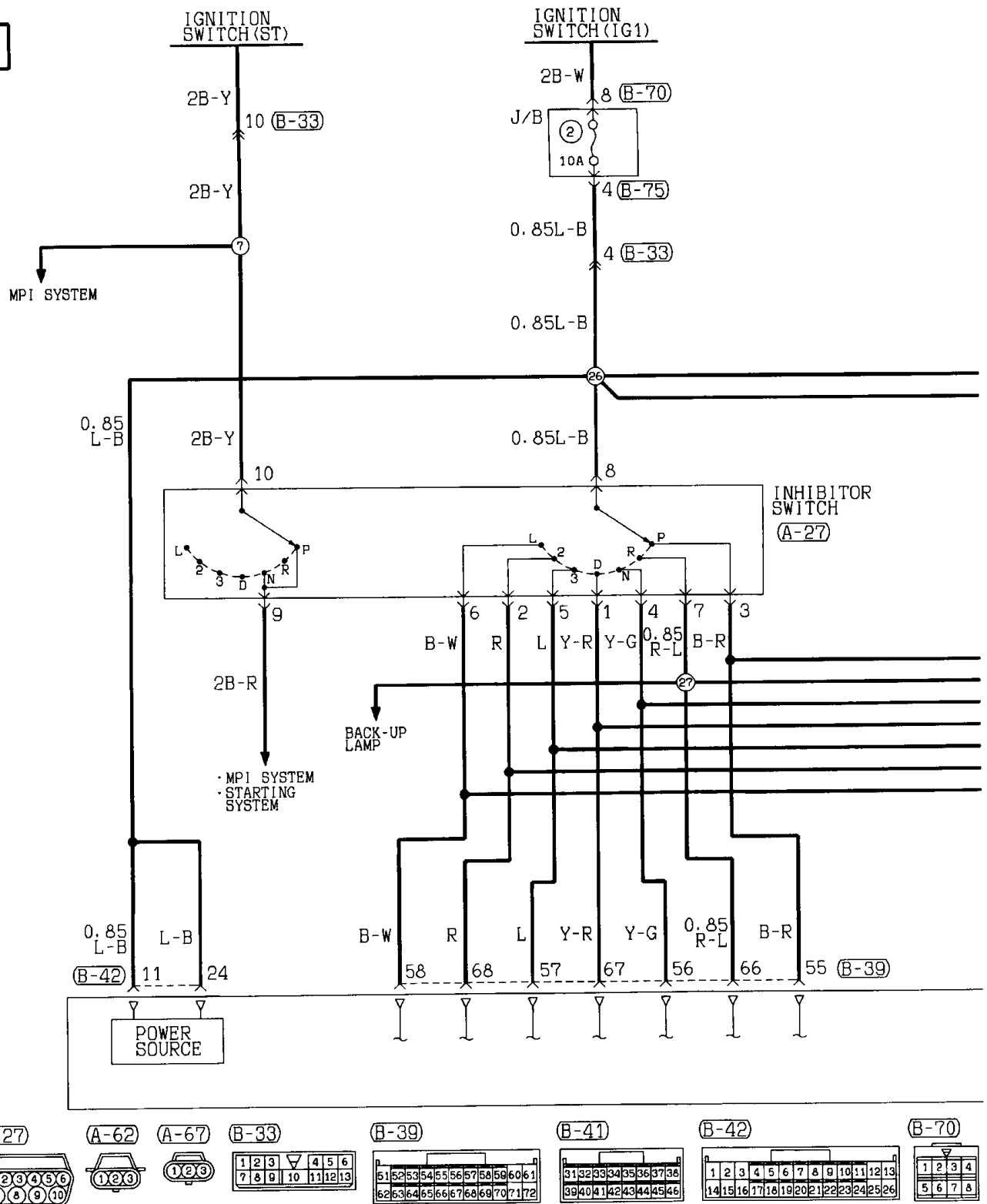
P : Pink

V : Violet

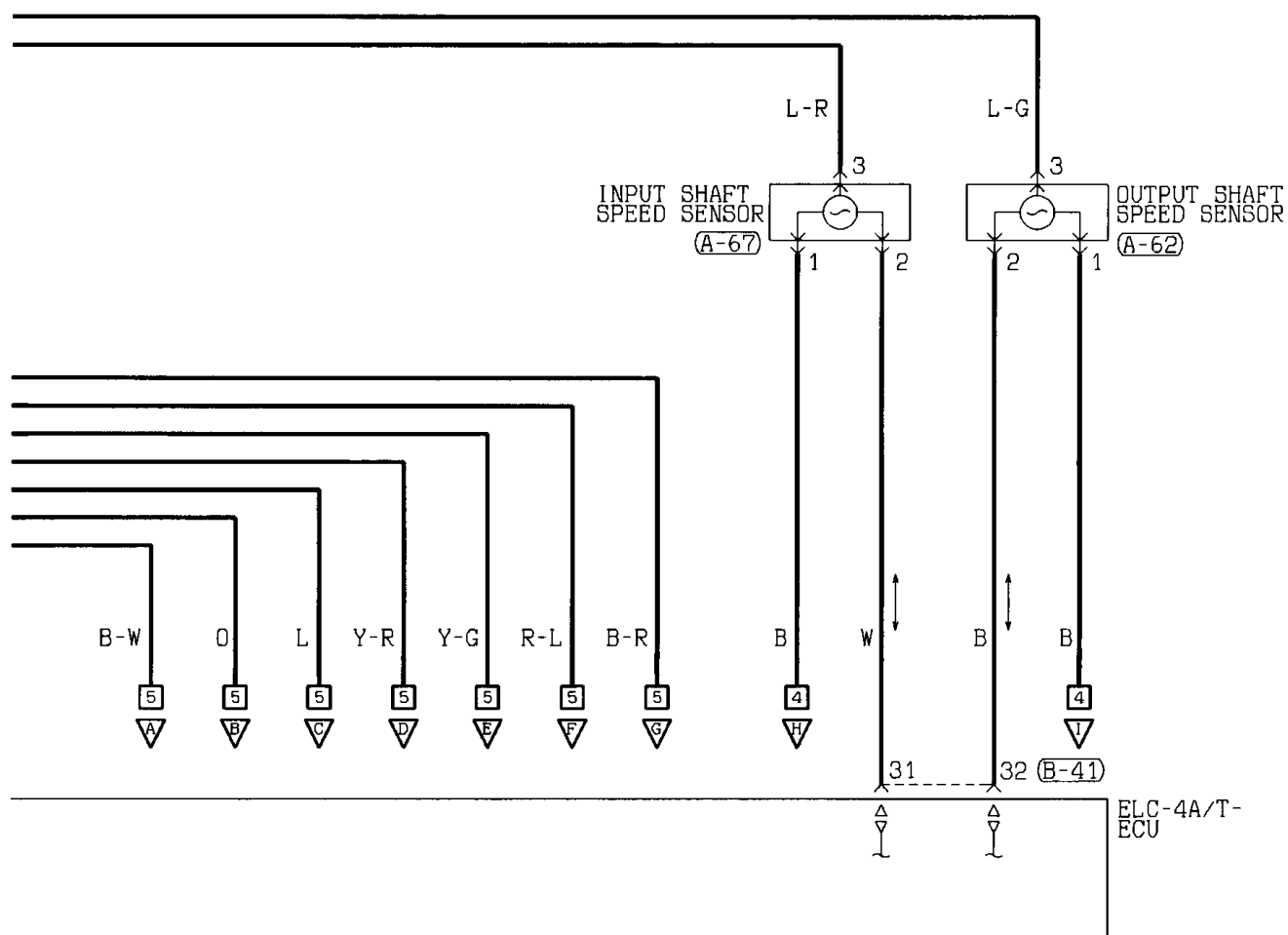
ELC 4-SPEED AUTOMATIC TRANSMISSION

L.H. drive vehicles

1



2



(B-75)

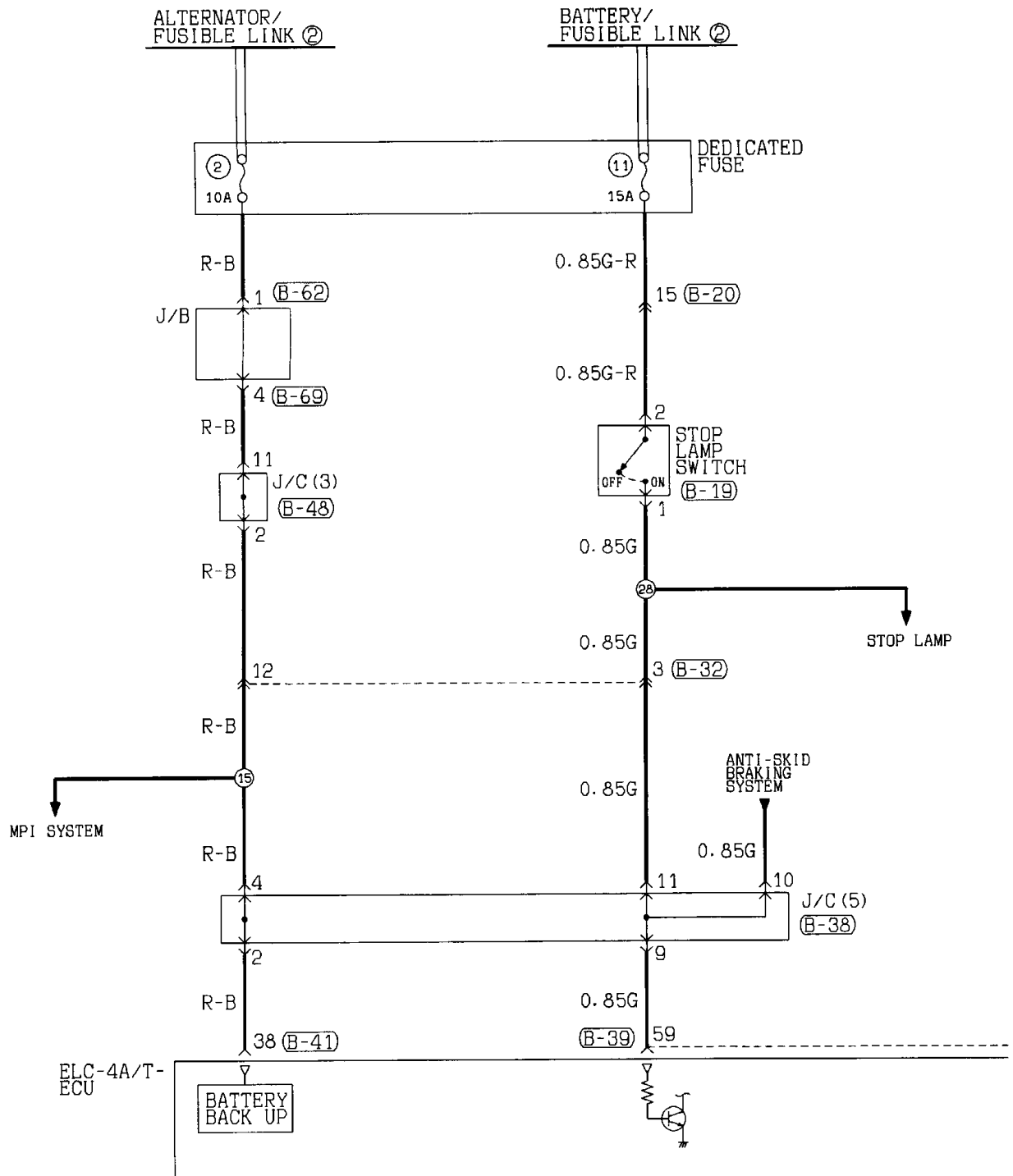
1	2	3	4	5
6	7	8	9	10

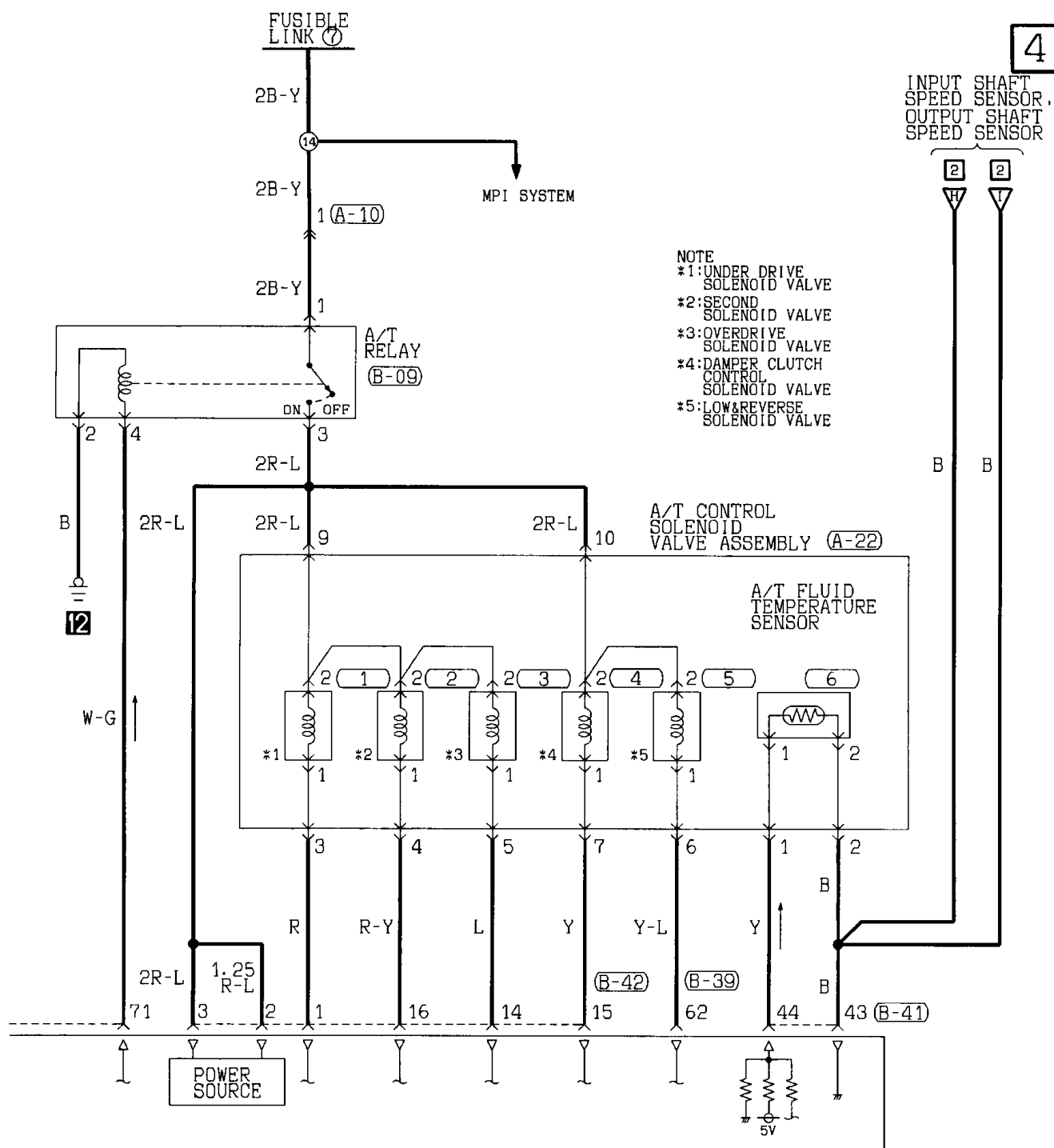
Wire colour code

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

ELC 4-SPEED AUTOMATIC TRANSMISSION L.H. drive vehicles (CONTINUED)

3





(B-39)

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

(B-41)

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

(B-42)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

(B-69)

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

Wire colour code

B : Black LG : Light green

G : Green GR : Gray

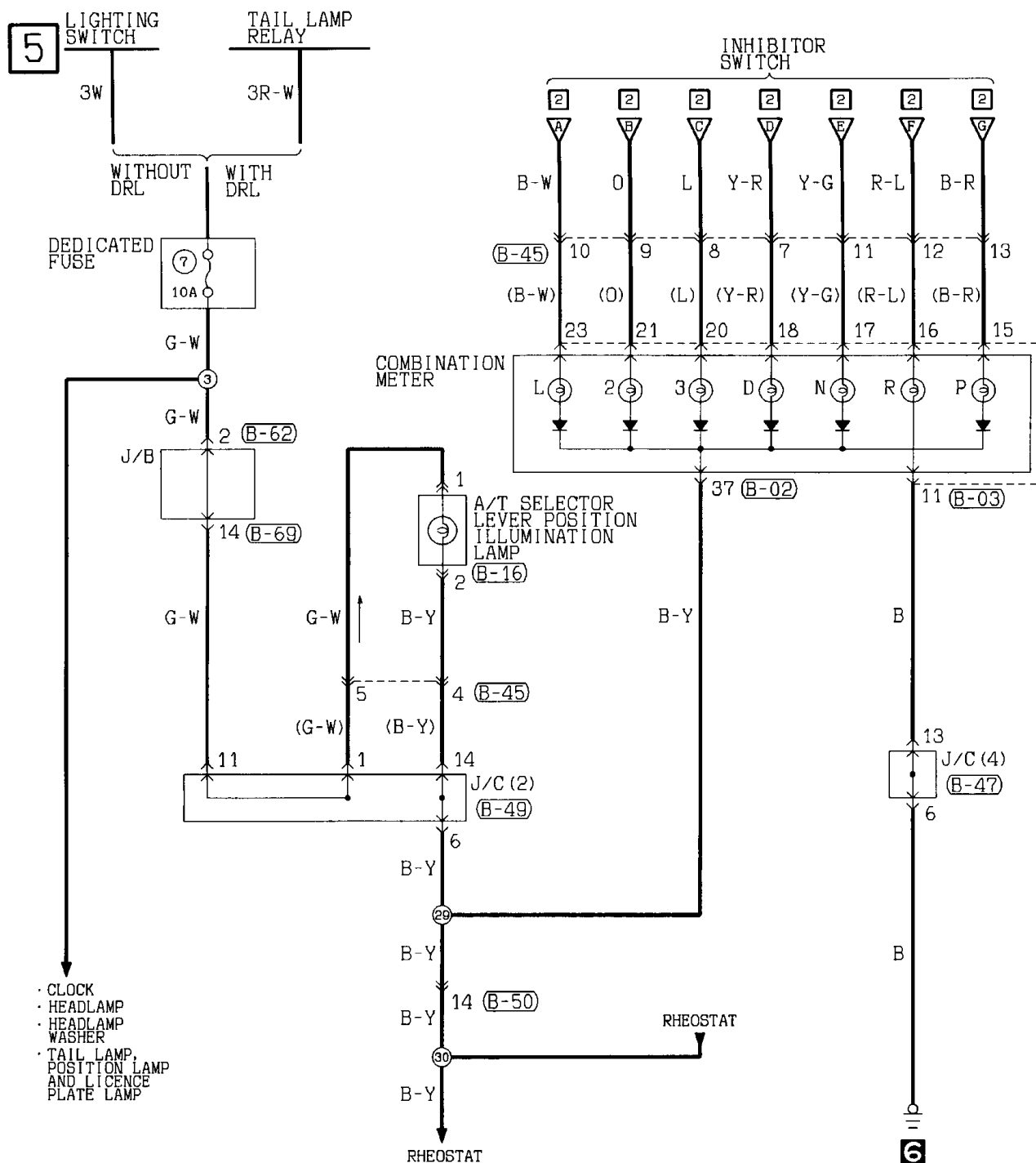
L : Blue R : Red

W : White P : Pink

Y : Yellow V : Violet

SB : Sky blue

ELC 4-SPEED AUTOMATIC TRANSMISSION L.H. drive vehicles (CONTINUED)





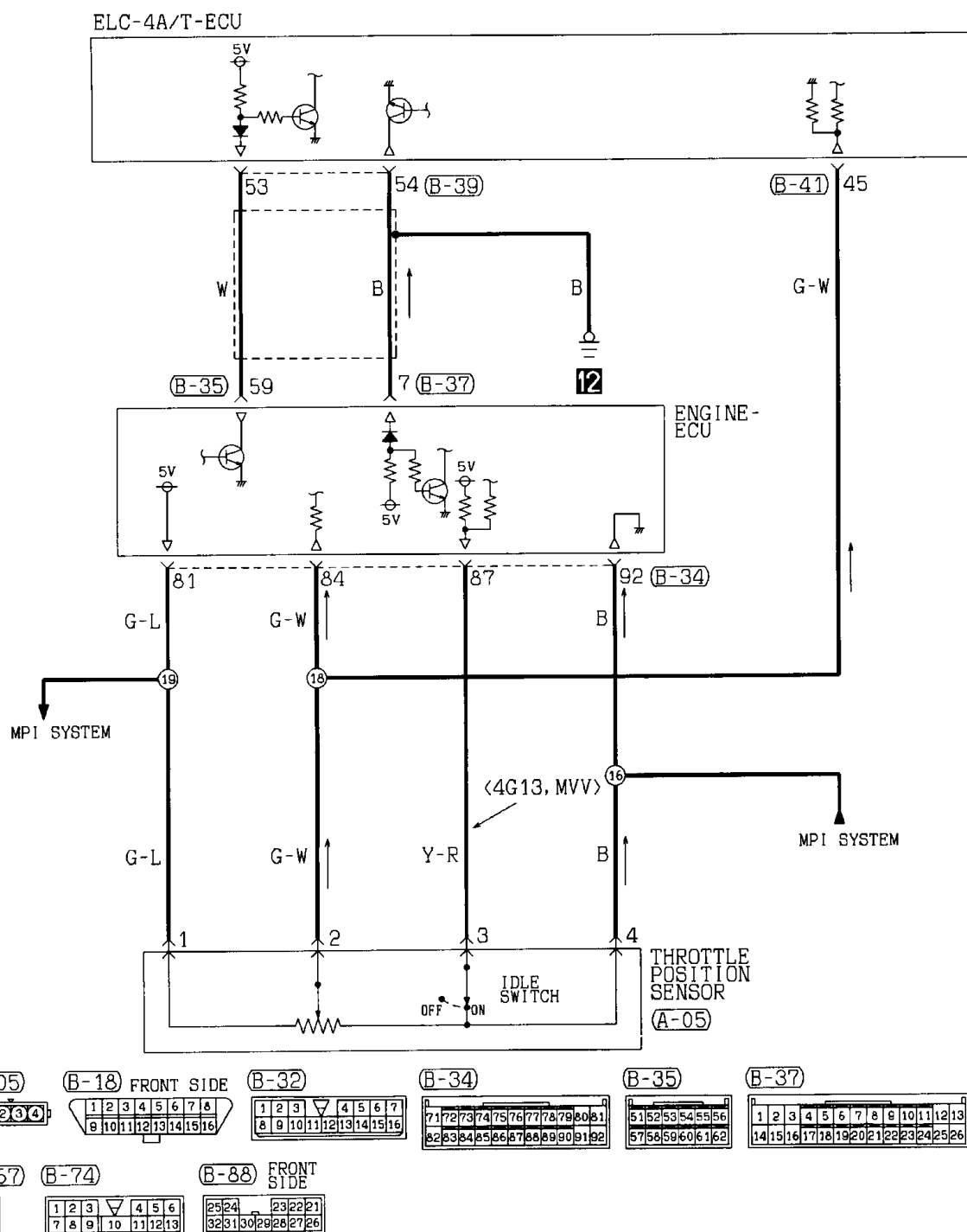
B-49

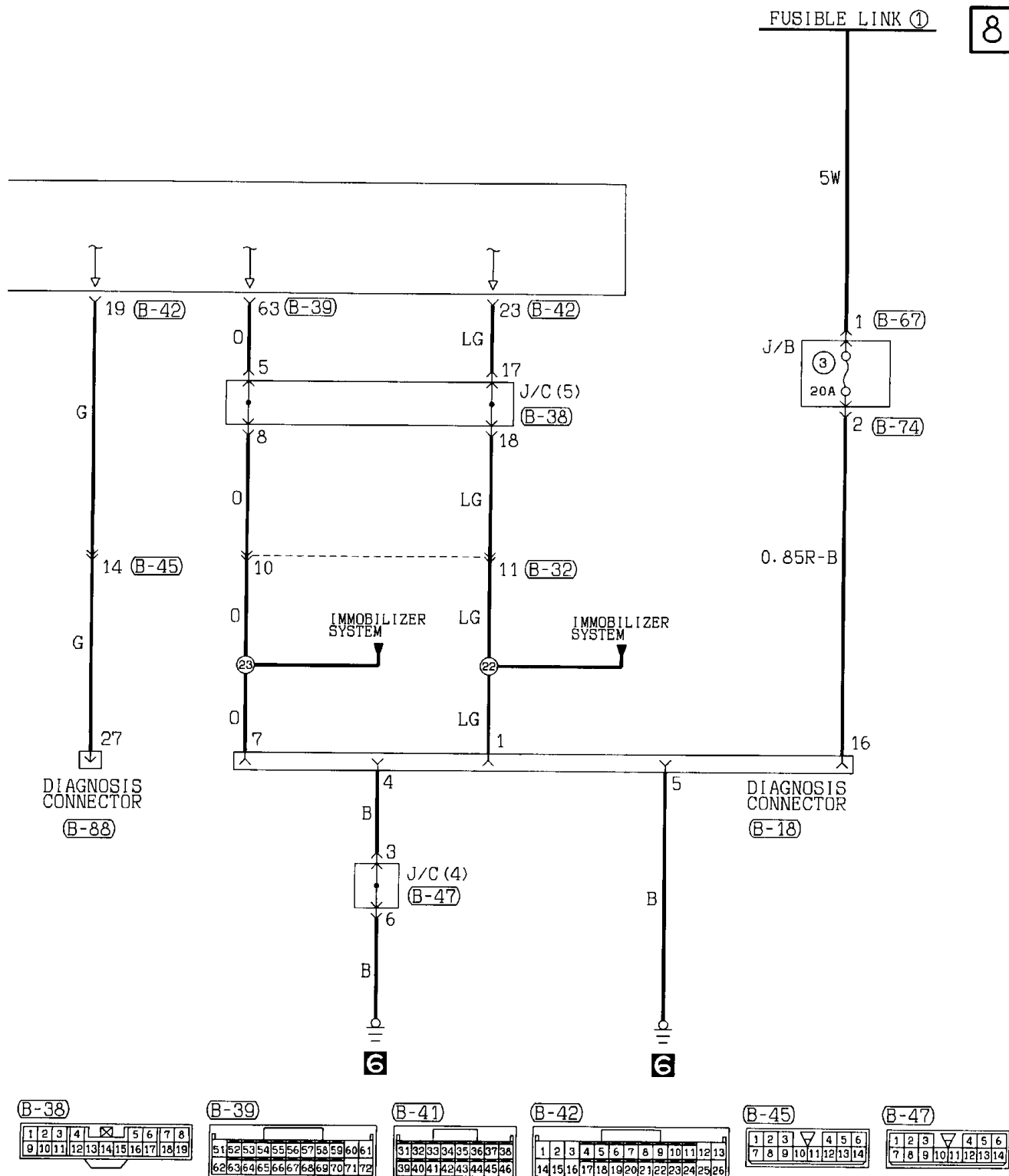
1	2	3	▽	4	5	6
7	8	9	10	11	12	13

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

ELC 4-SPEED AUTOMATIC TRANSMISSION L.H. drive vehicles (CONTINUED)

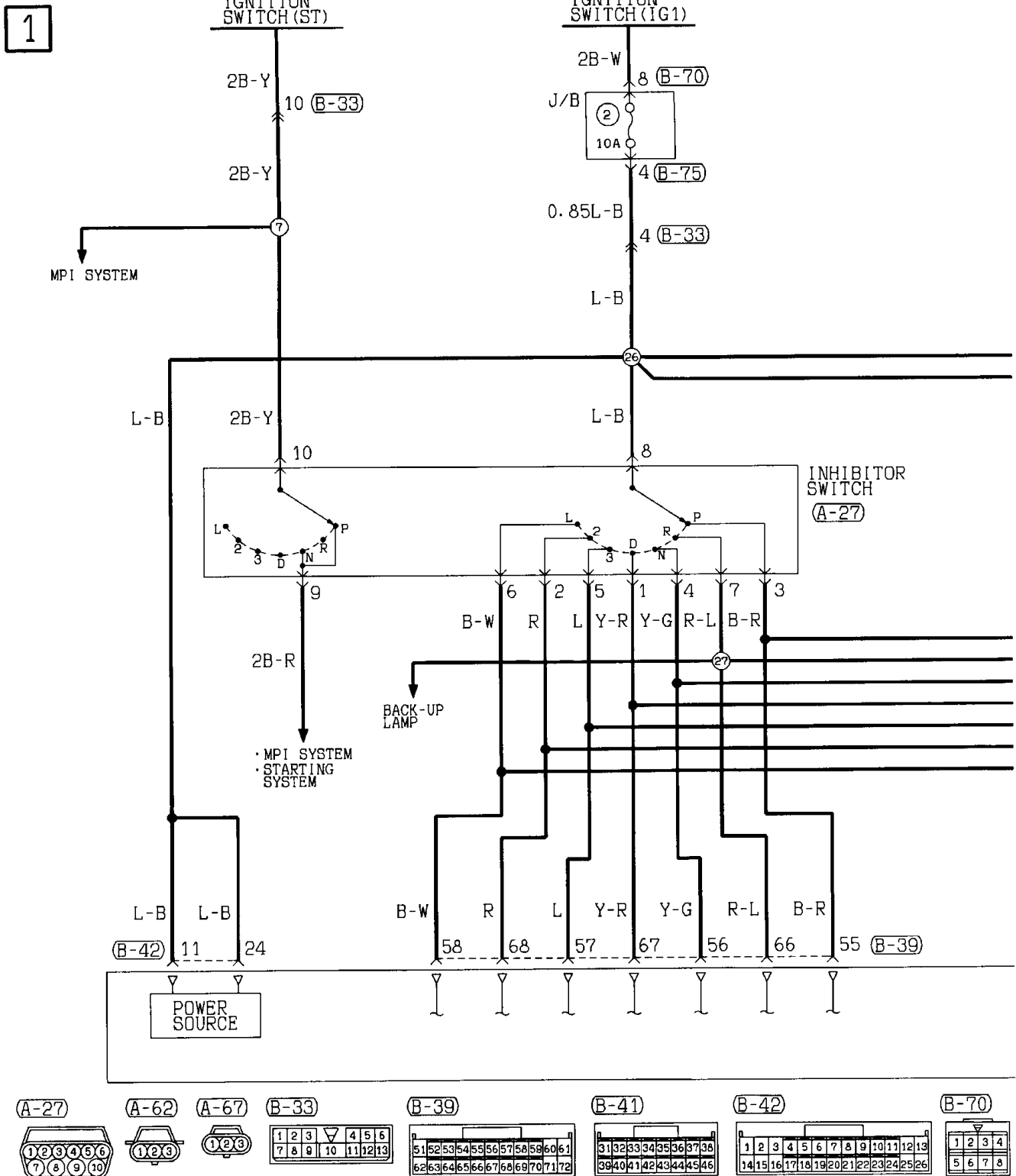
7



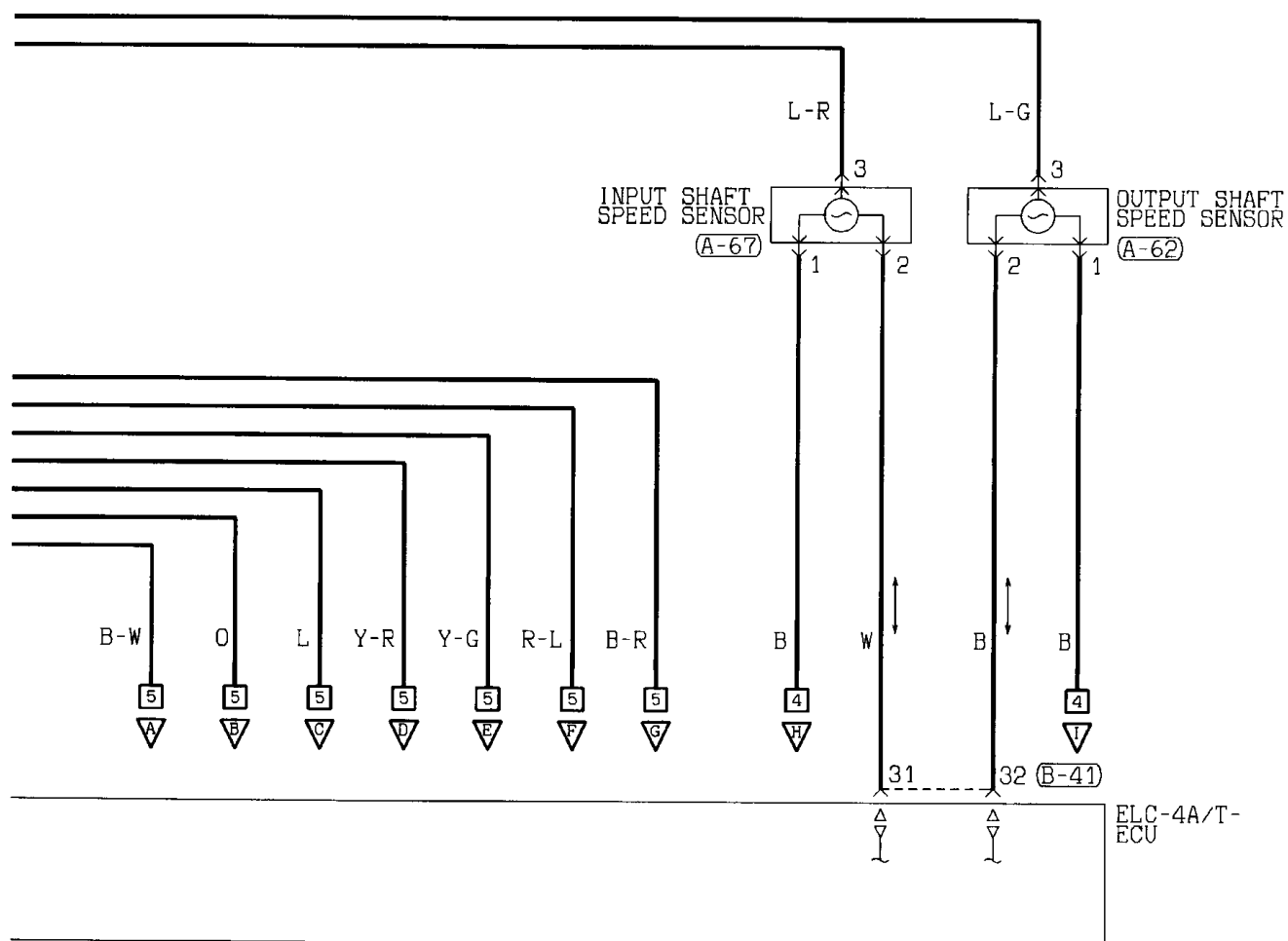


ELC 4-SPEED AUTOMATIC TRANSMISSION

R.H. drive vehicles



2



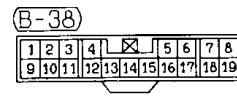
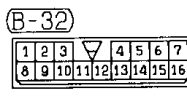
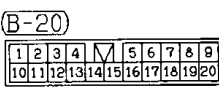
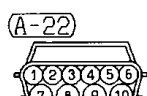
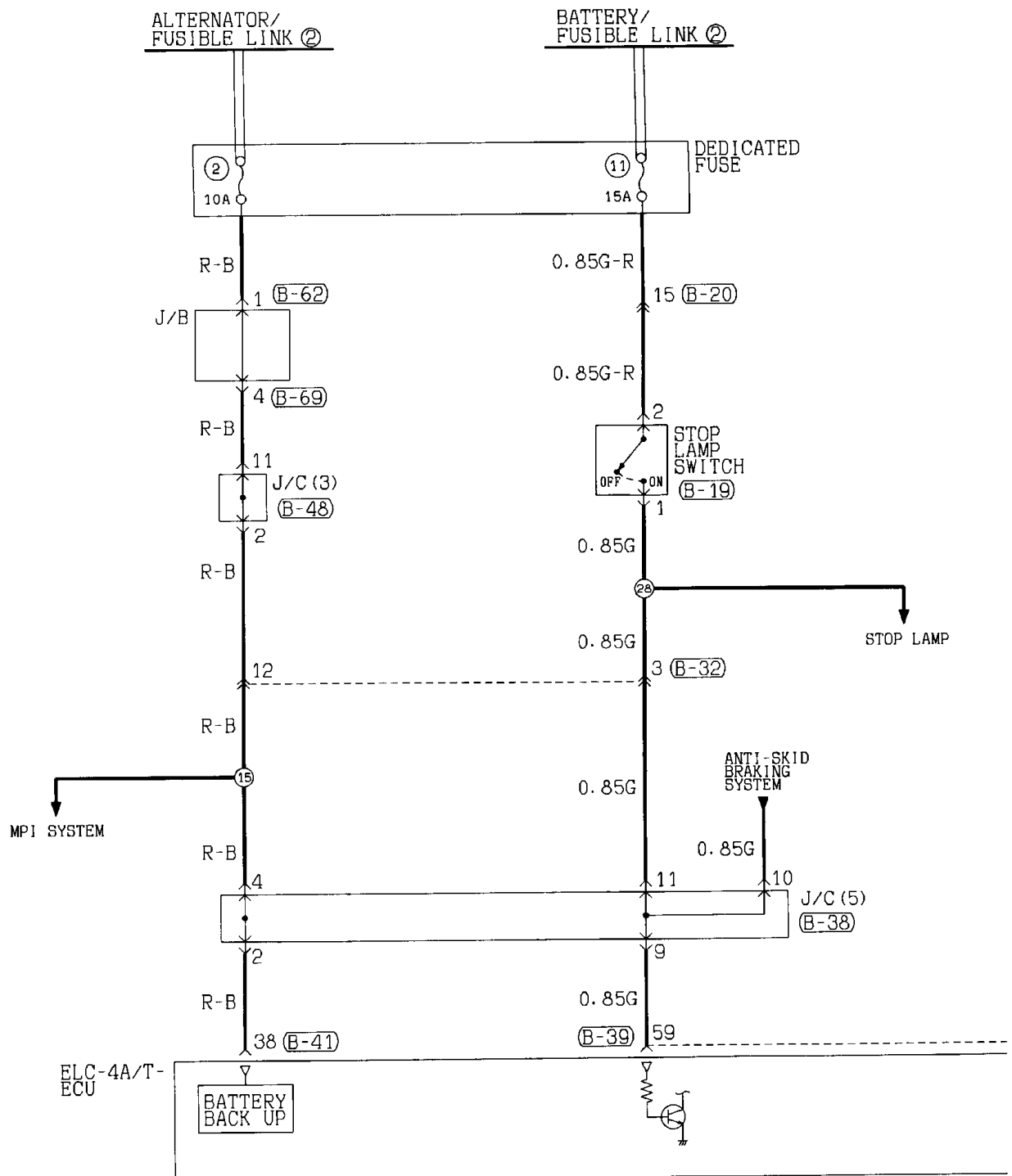
(B-75)

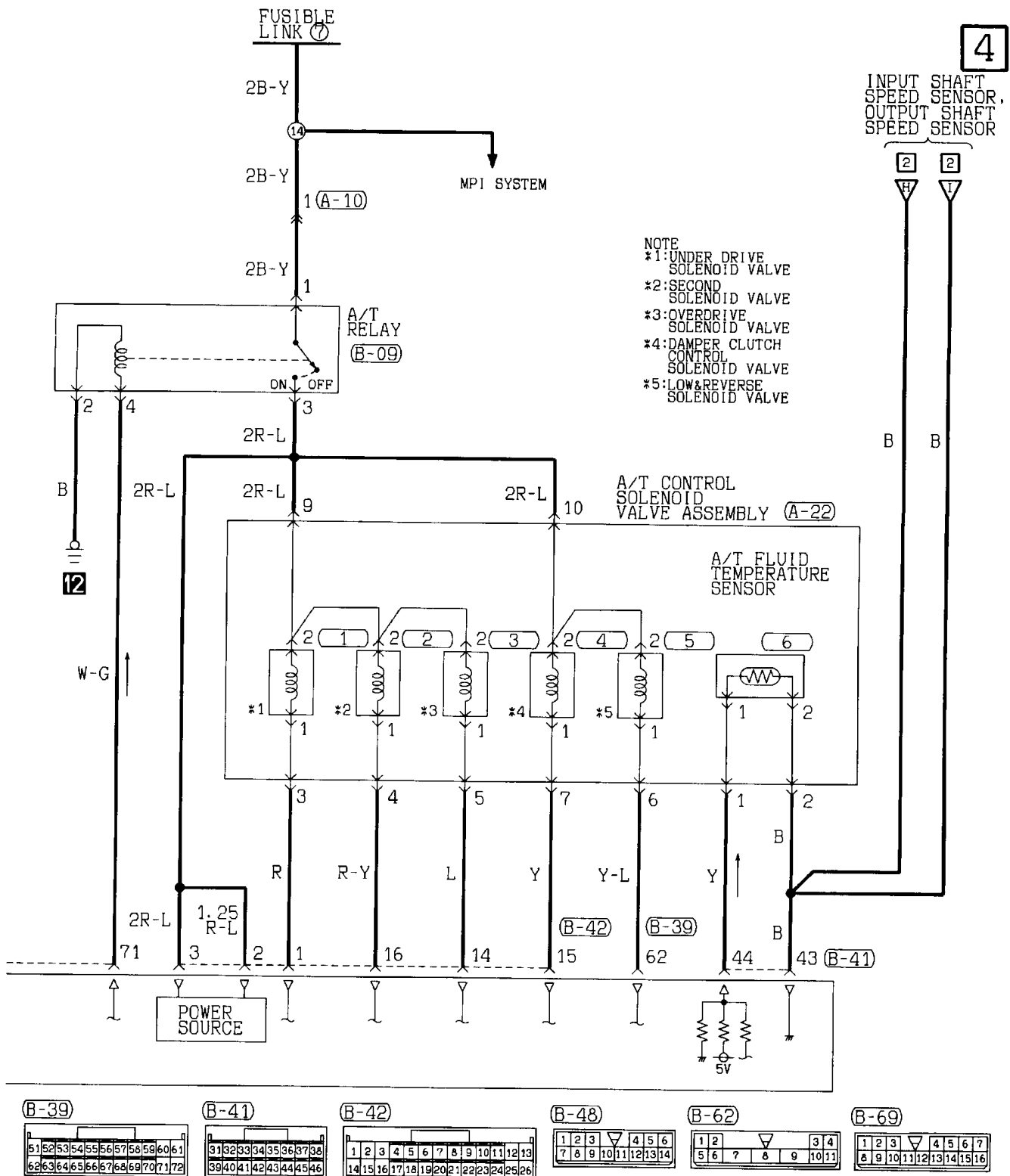
1	2	3	4	5
6	7	8	9	10

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

ELC 4-SPEED AUTOMATIC TRANSMISSION R.H. drive vehicles (CONTINUED)

3





Wire colour code

B:Black LG:Light green

G:Green

L:Blue

W:White

Y:Yellow

SB:Sky blue

BR:Brown

O:Orange

GR:Gray

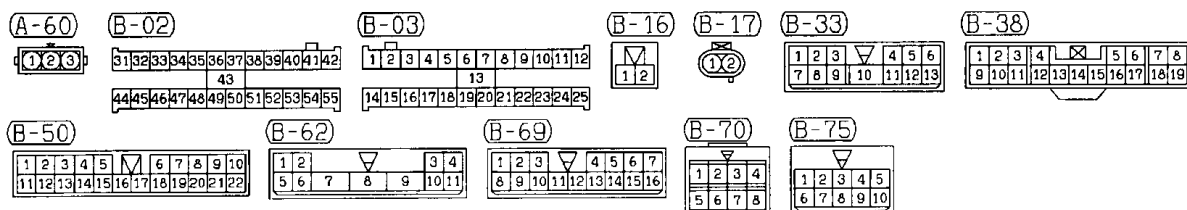
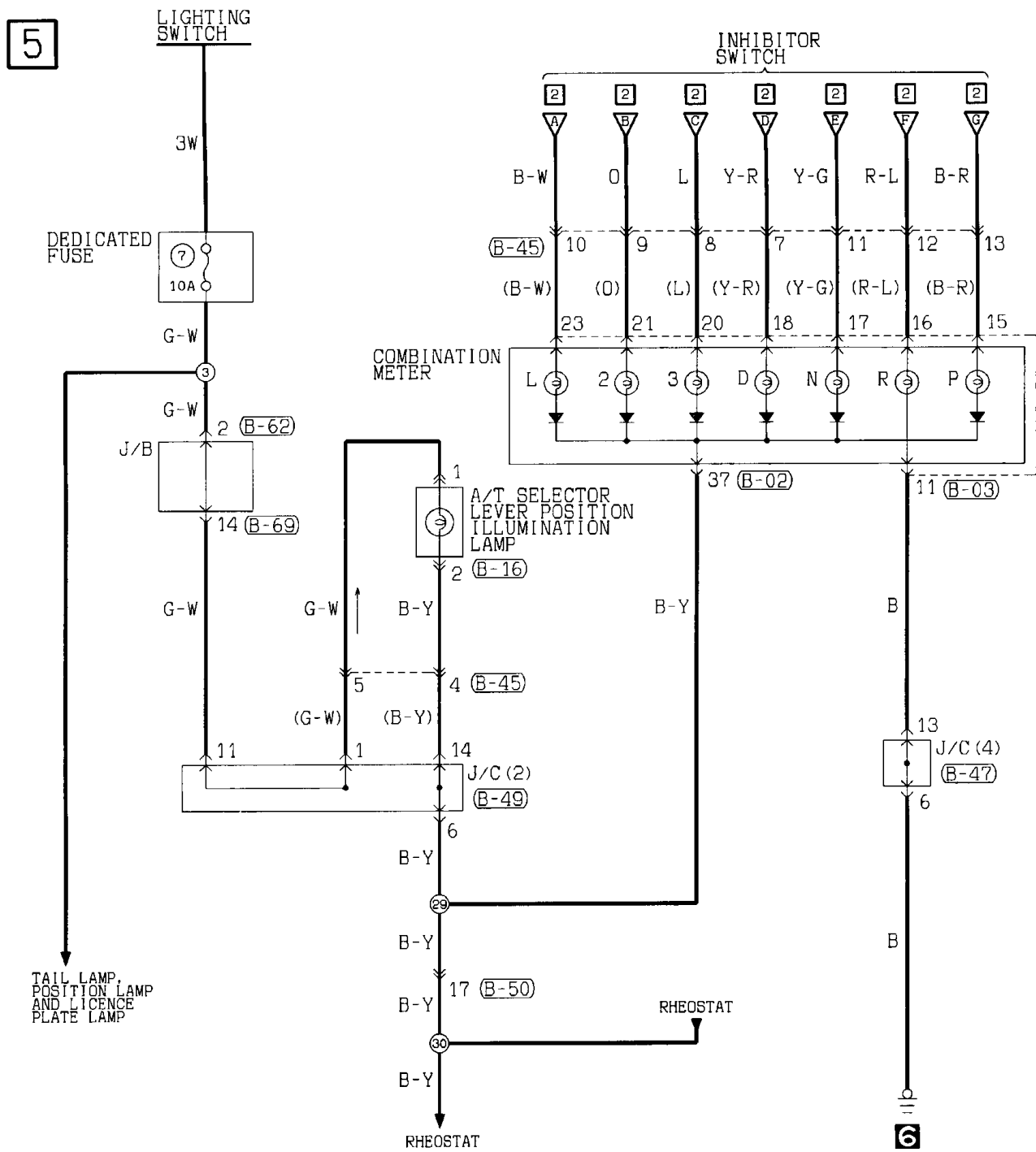
R:Red

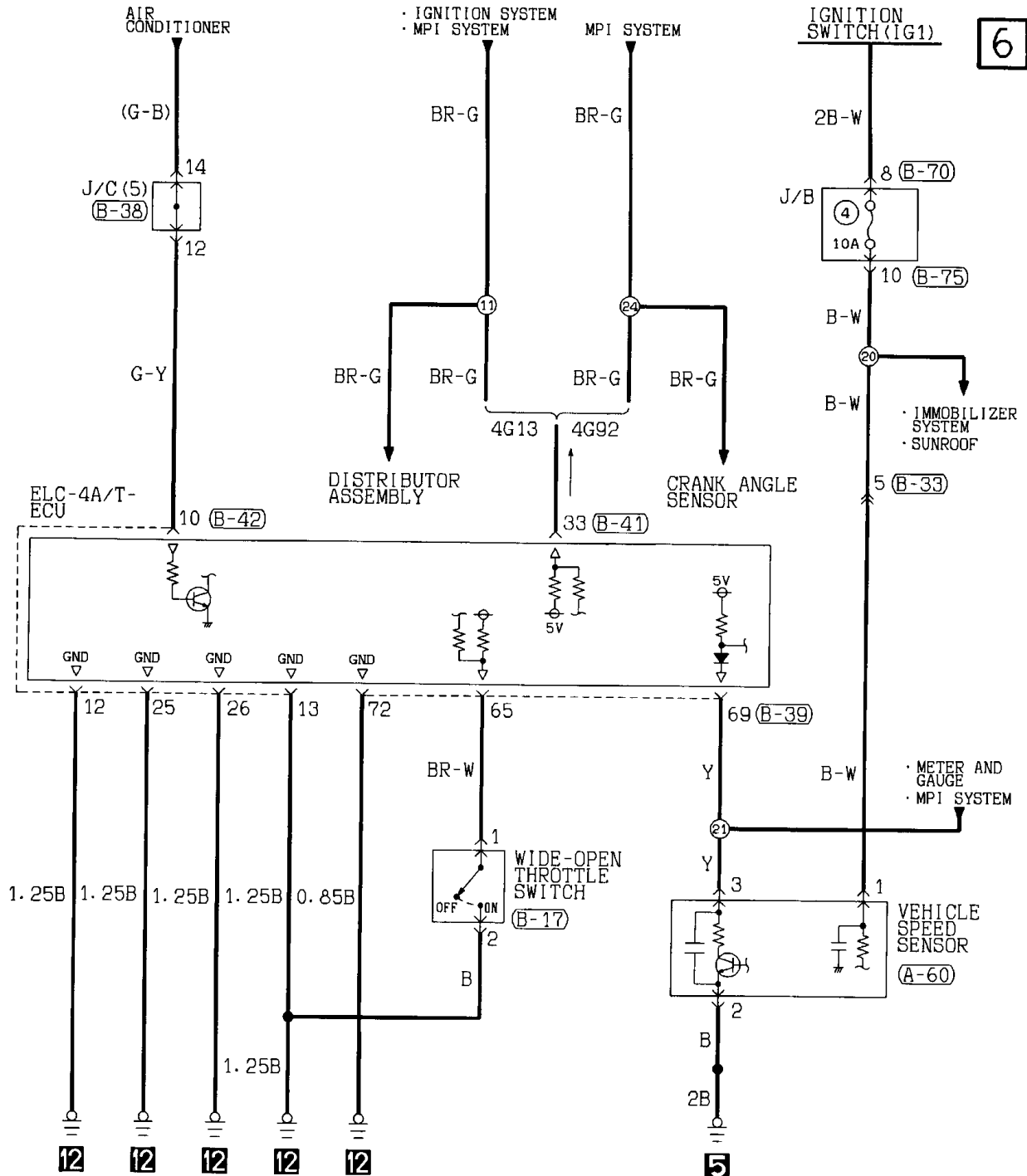
P:Pink

V:Violet

ELC 4-SPEED AUTOMATIC TRANSMISSION

R.H. drive vehicles (CONTINUED)





(B-39)

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

(B-41)

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

(B-42)

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-45)

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

(B-47)

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

Wire colour code

B : Black LG : Light green

G : Green GR : Gray

L : Blue R : Red

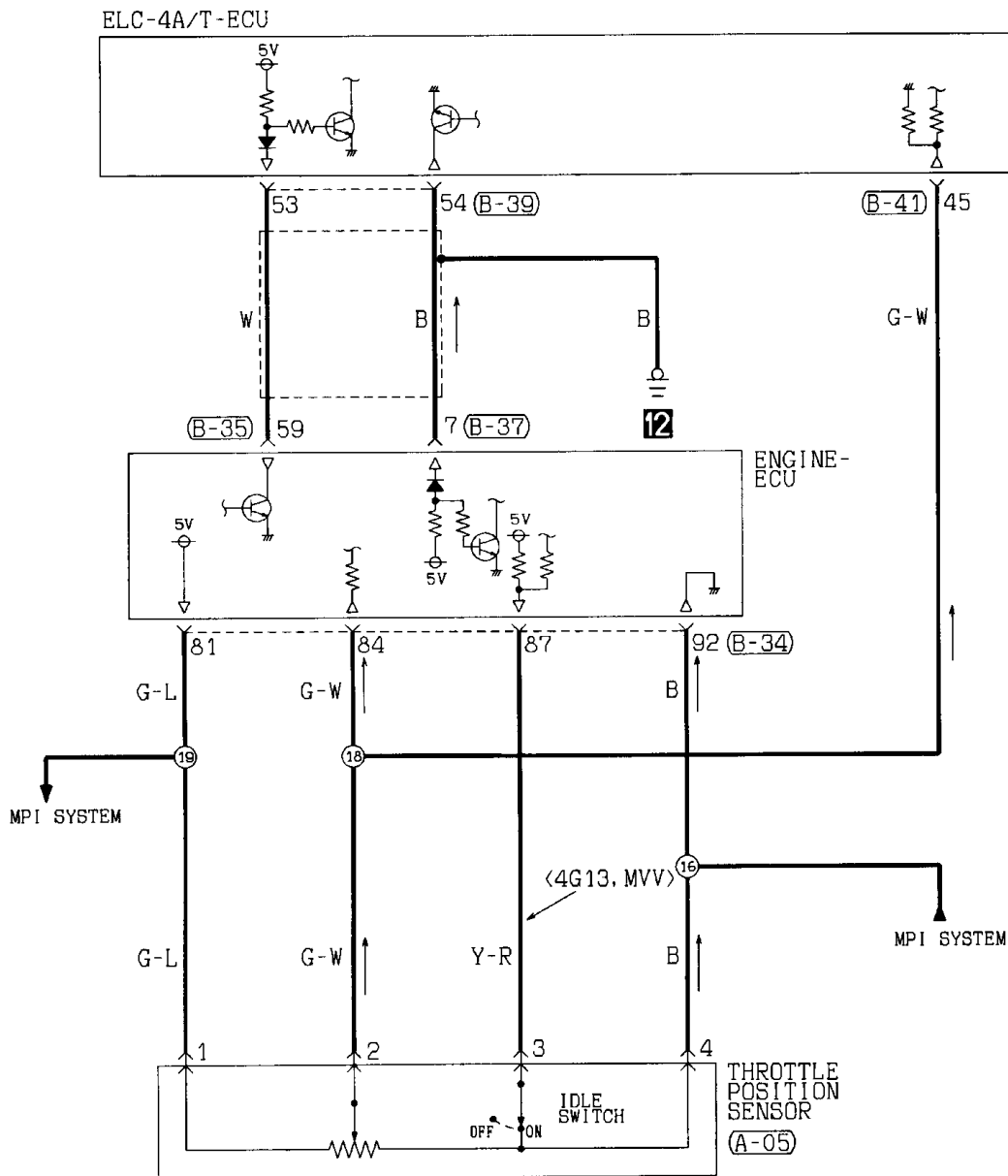
W : White P : Pink

Y : Yellow V : Violet

SB : Sky blue

ELC 4-SPEED AUTOMATIC TRANSMISSION R.H. drive vehicles (CONTINUED)

7



(A-05)

(B-18) FRONT SIDE

(B-32)

(B-34)

(B-35)

(B-37)

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

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

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

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

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

(B-67)

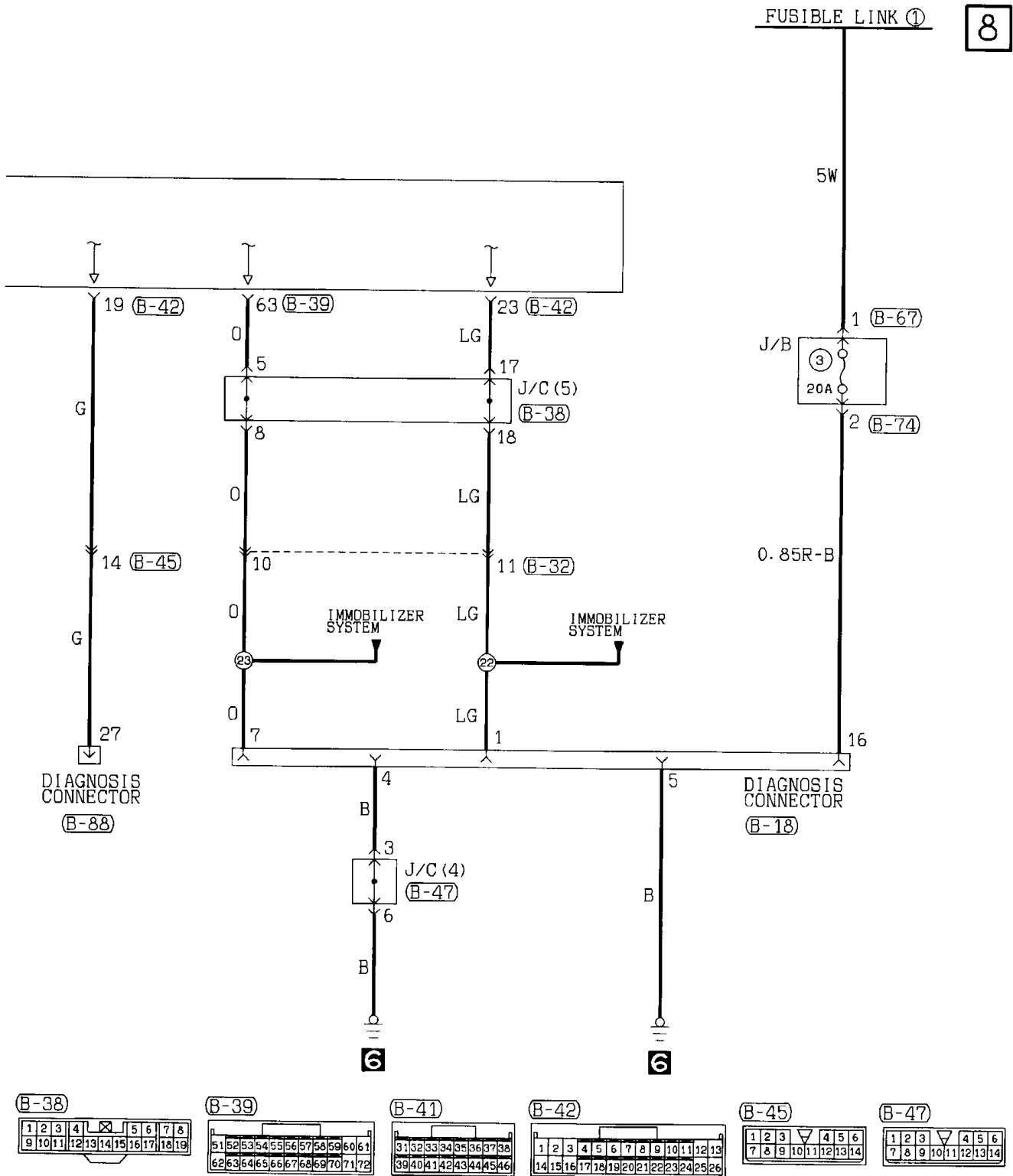
(B-74)

(B-88) FRONT SIDE

1

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

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

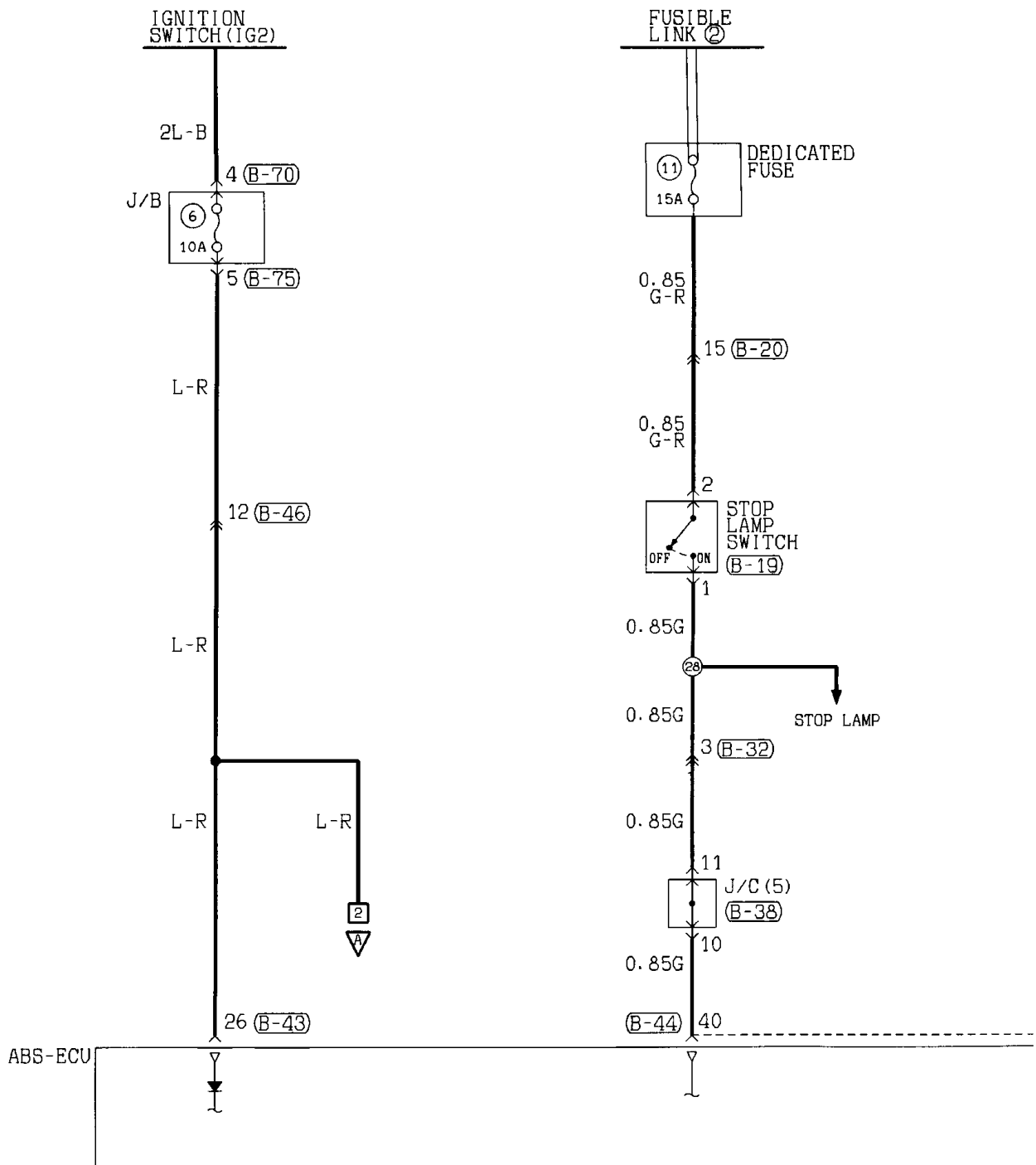


Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

ANTI-SKID BRAKING SYSTEM (ABS)

L.H. drive vehicles

1



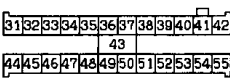
A-52



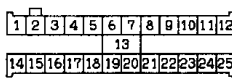
A-53



B-02



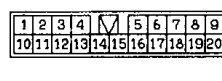
B-03



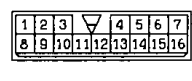
B-19



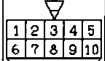
B-20

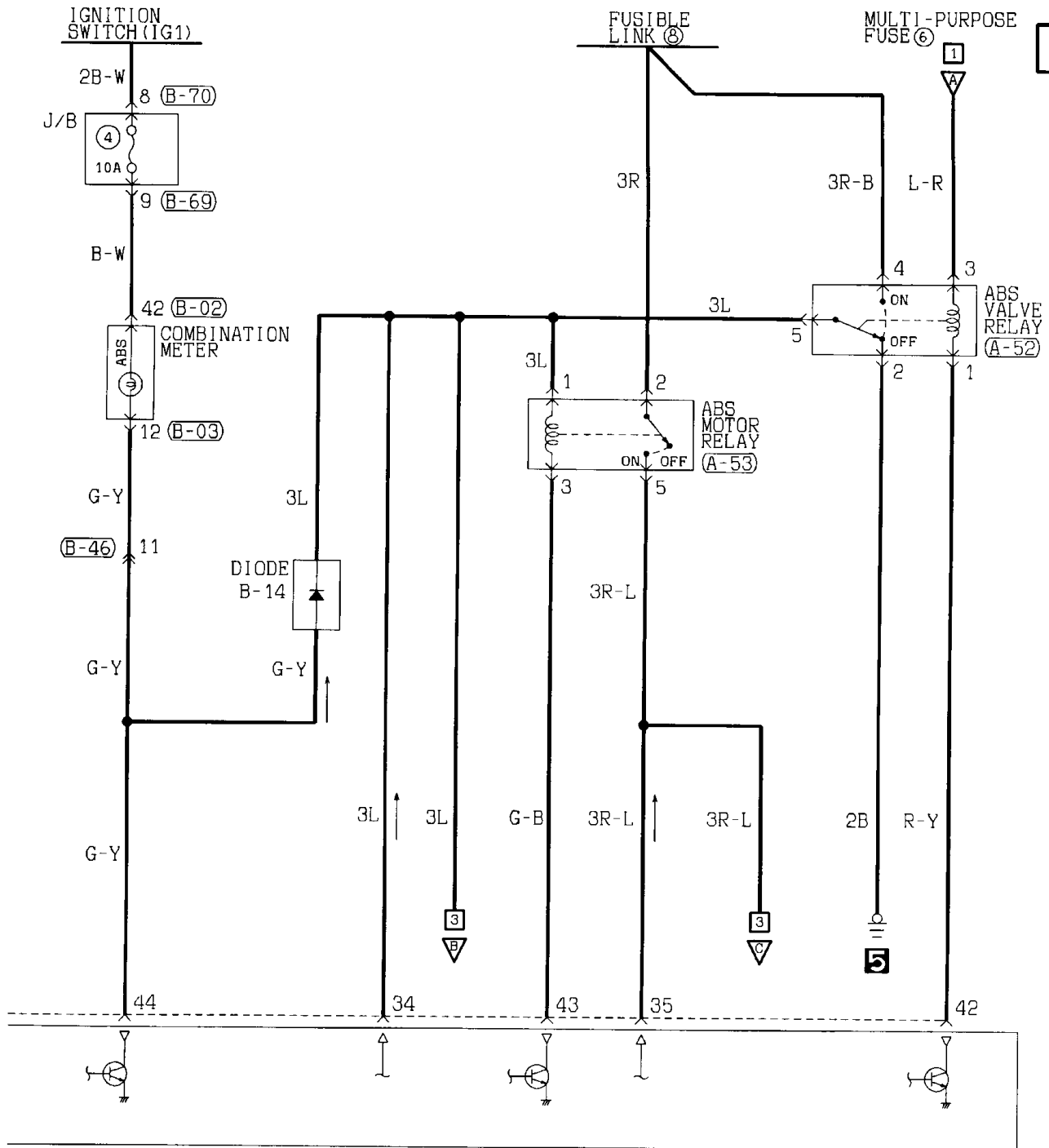


B-32



B-75





(B-38)

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

(B-43)

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-44)

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

(B-46)

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

(B-69)

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

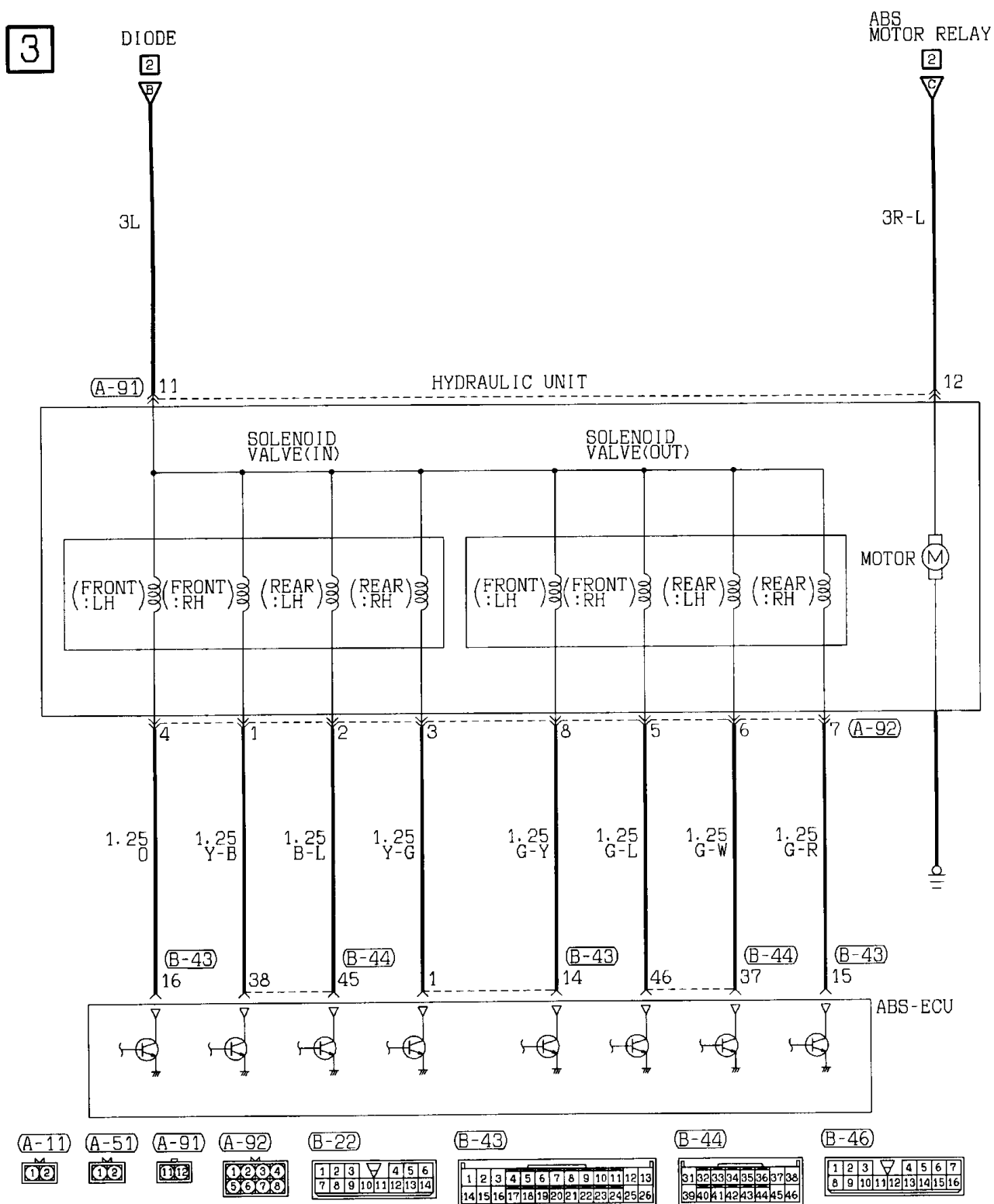
(B-70)

1	2	3	4
5	6	7	8

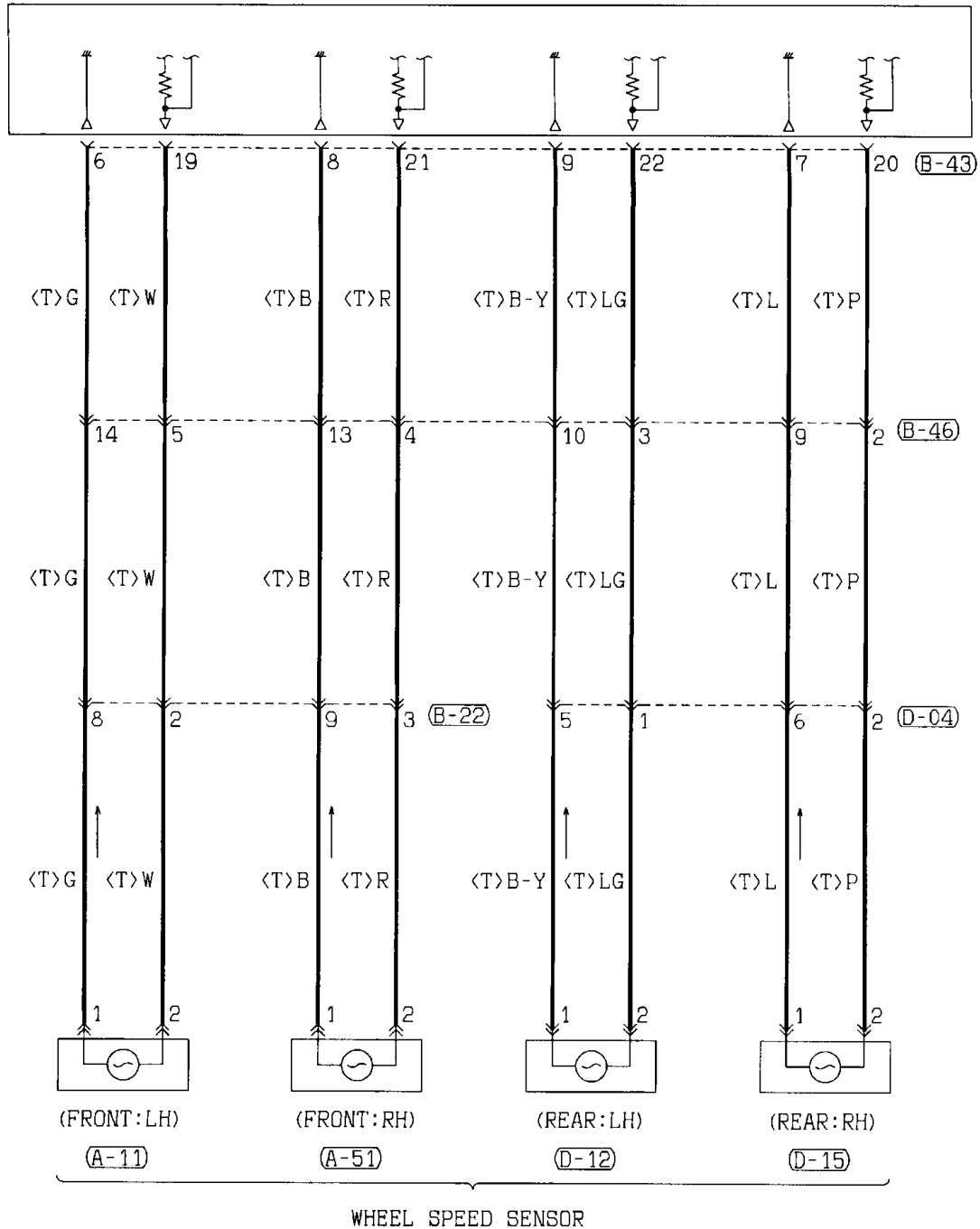
Wire colour code

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

ANTI-SKID BRAKING SYSTEM **L.H. drive vehicles (CONTINUED)**



4



(D-04)

(D-12) (D-15)

1	2	3	4
5	6	7	8

12

12

Wire colour code

B : Black LG: Light green

G : Green GR: Gray

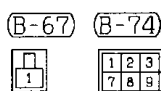
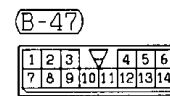
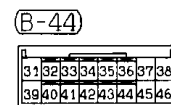
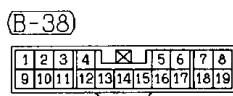
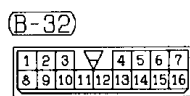
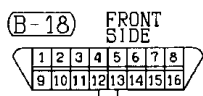
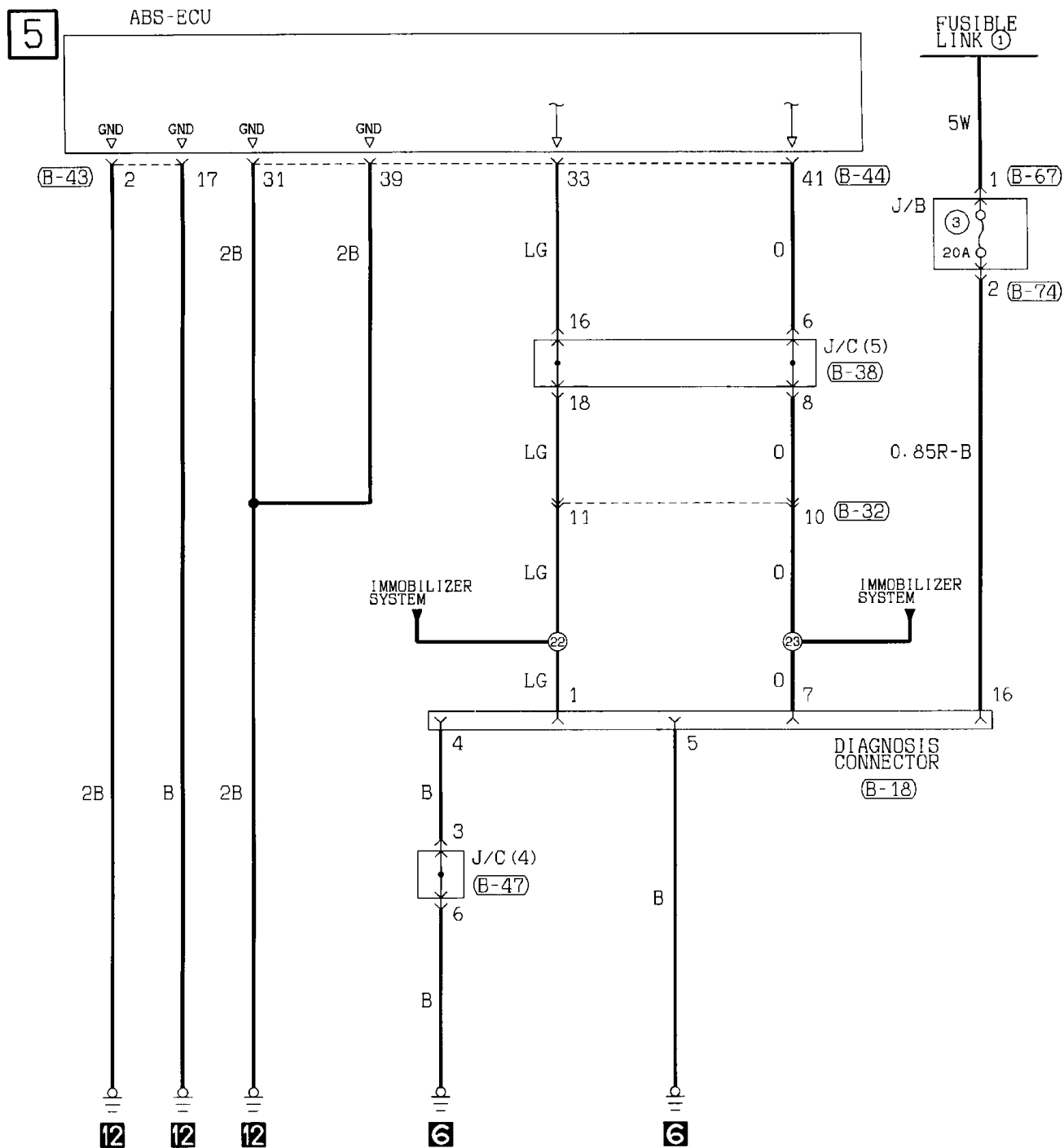
L : Blue R : Red

W : White P : Pink

Y : Yellow V : Violet

SB: Sky blue

ANTI-SKID BRAKING SYSTEM **L.H. drive vehicles (CONTINUED)**

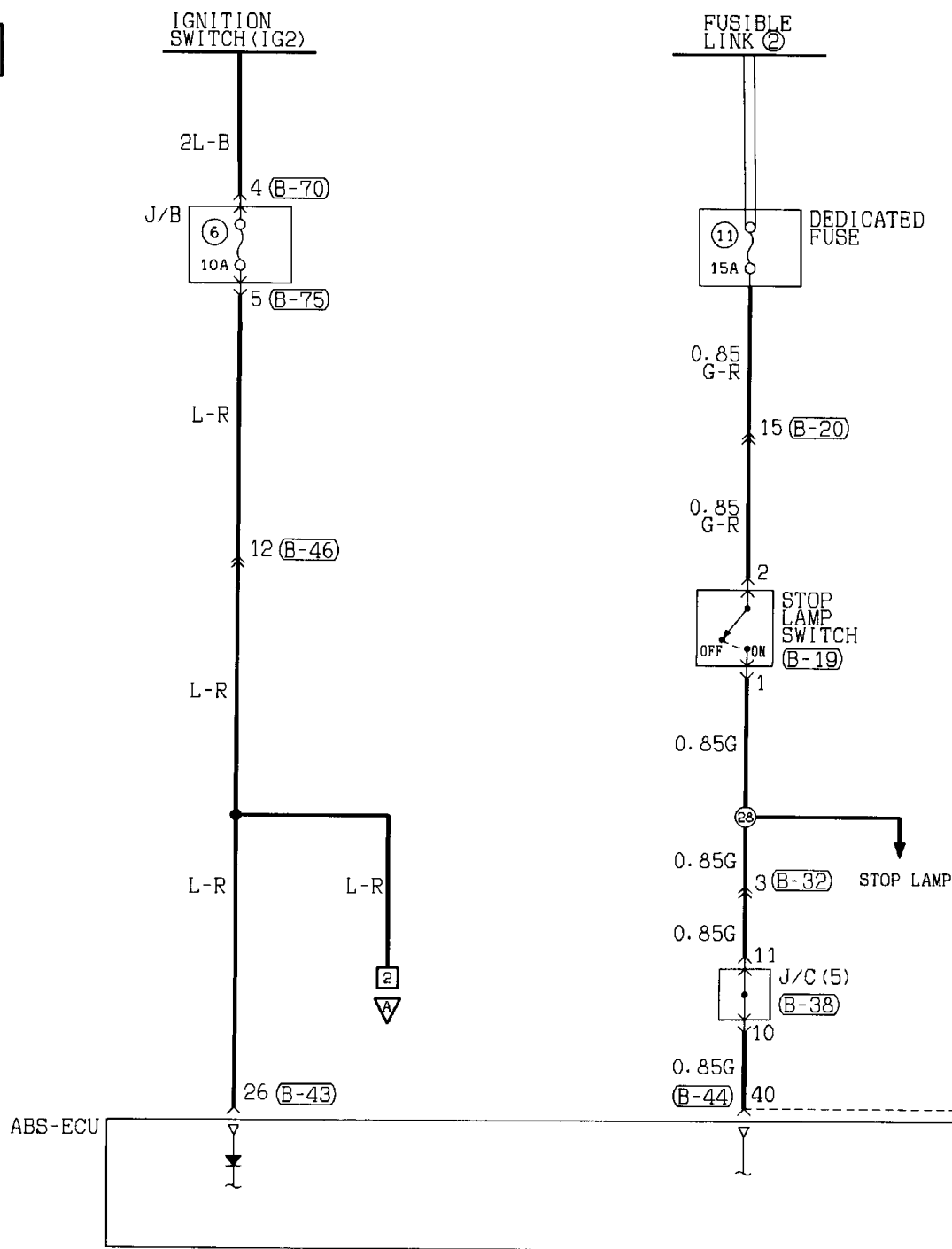


Wire colour code
 B : Black LG : Light green G : Green L : Blue
 BR : Brown O : Orange GR : Gray R : Red
 W : White SB : Sky blue P : Pink Y : Yellow
 V : Violet

NOTES

ANTI-SKID BRAKING SYSTEM (ABS)

R.H. drive vehicles



(A-52)
1 2 3
4 5 6

(A-53)
1 2 3
4 5

(B-02)
31 32 33 34 35 36 37 38 39 40 41 42
43
44 45 46 47 48 49 50 51 52 53 54 55

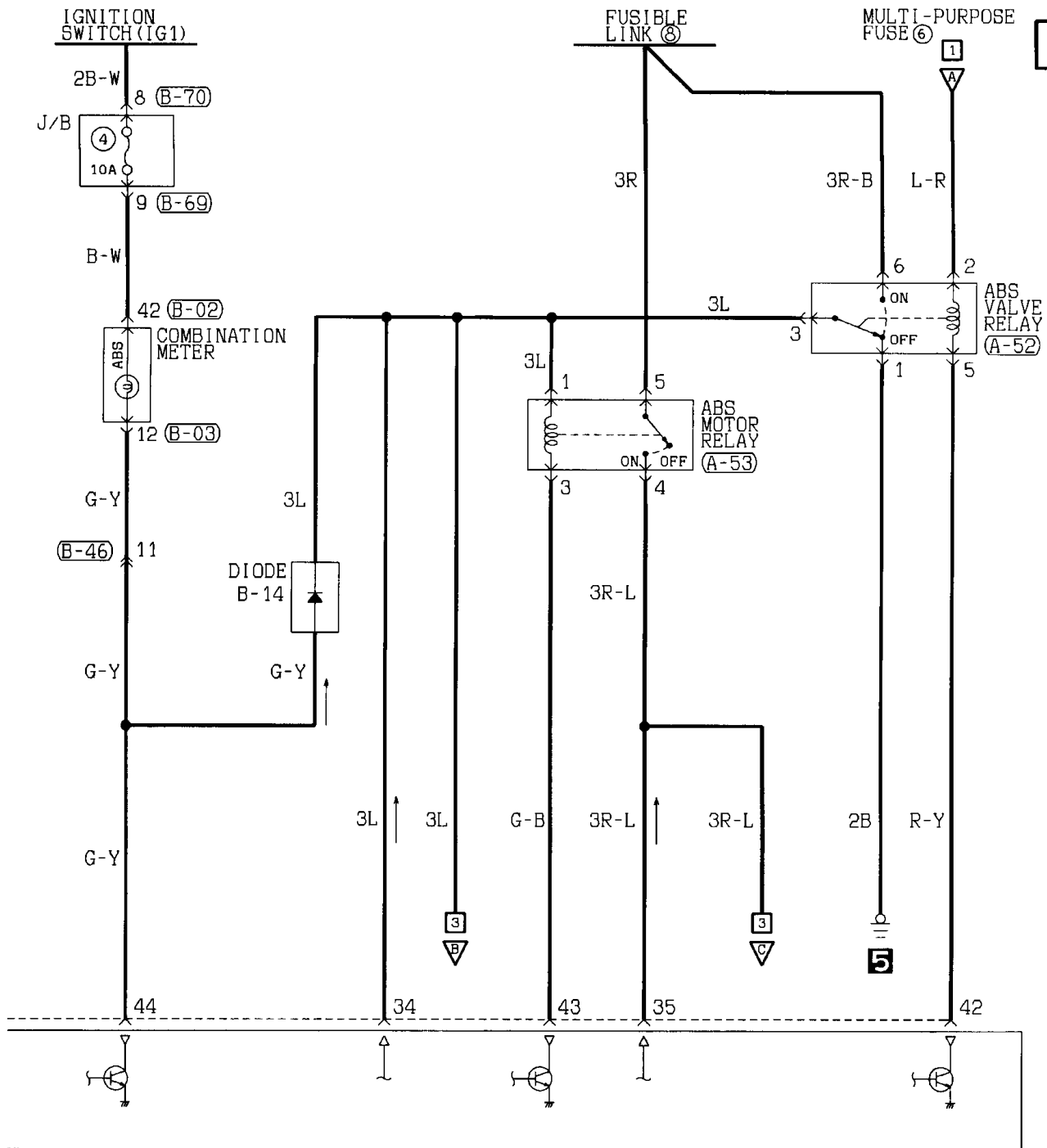
(B-03)
1 2 3 4 5 6 7 8 9 10 11 12
13
14 15 16 17 18 19 20 21 22 23 24 25

(B-19)
1
2

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

(B-32)
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16

(B-75)
1 2 3 4 5
6 7 8 9 10



(B-38)

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-43)

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-44)

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

(B-46)

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

(B-69)

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

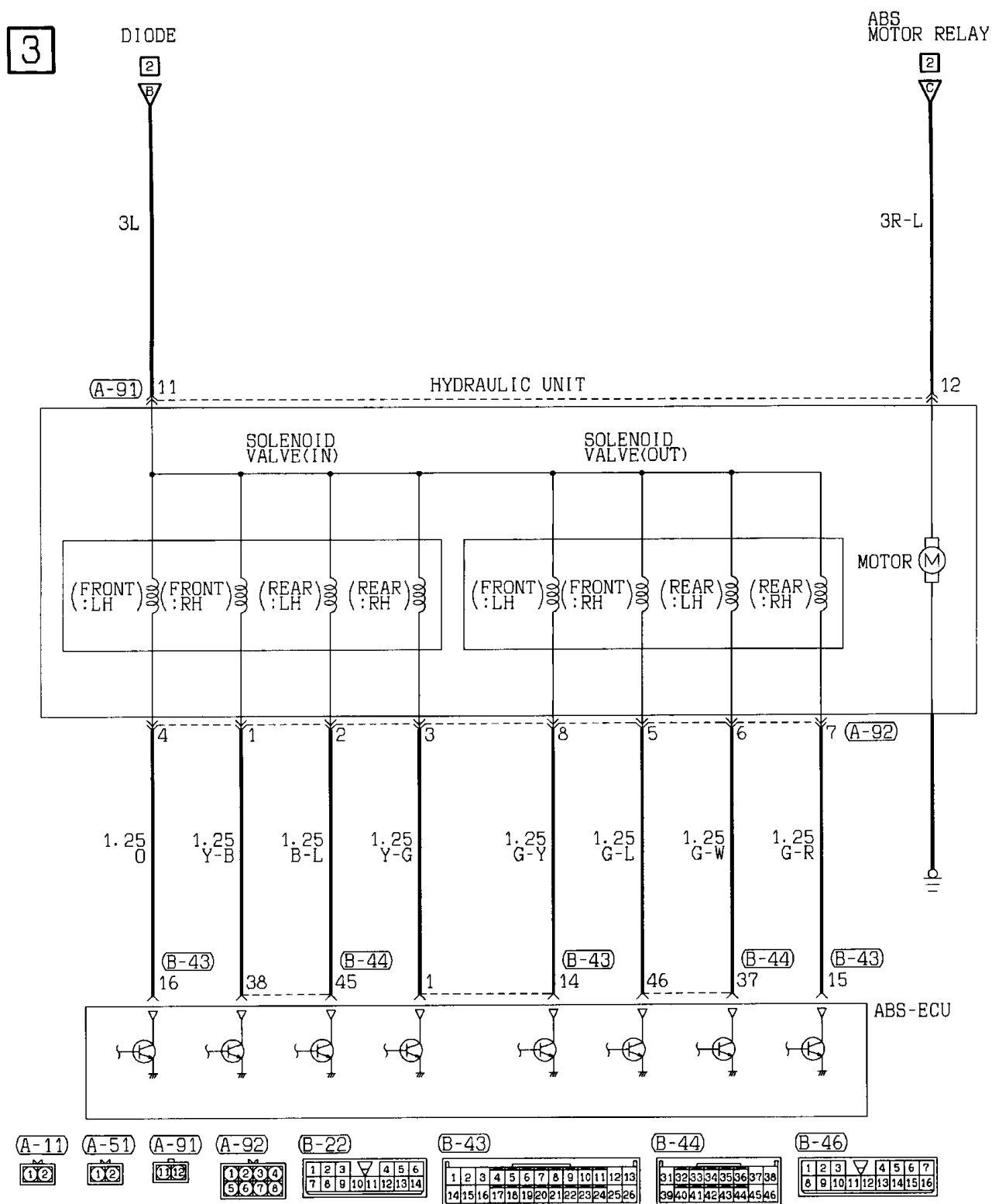
(B-70)

1	2	3	4
5	6	7	8

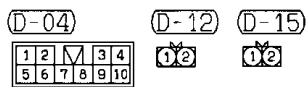
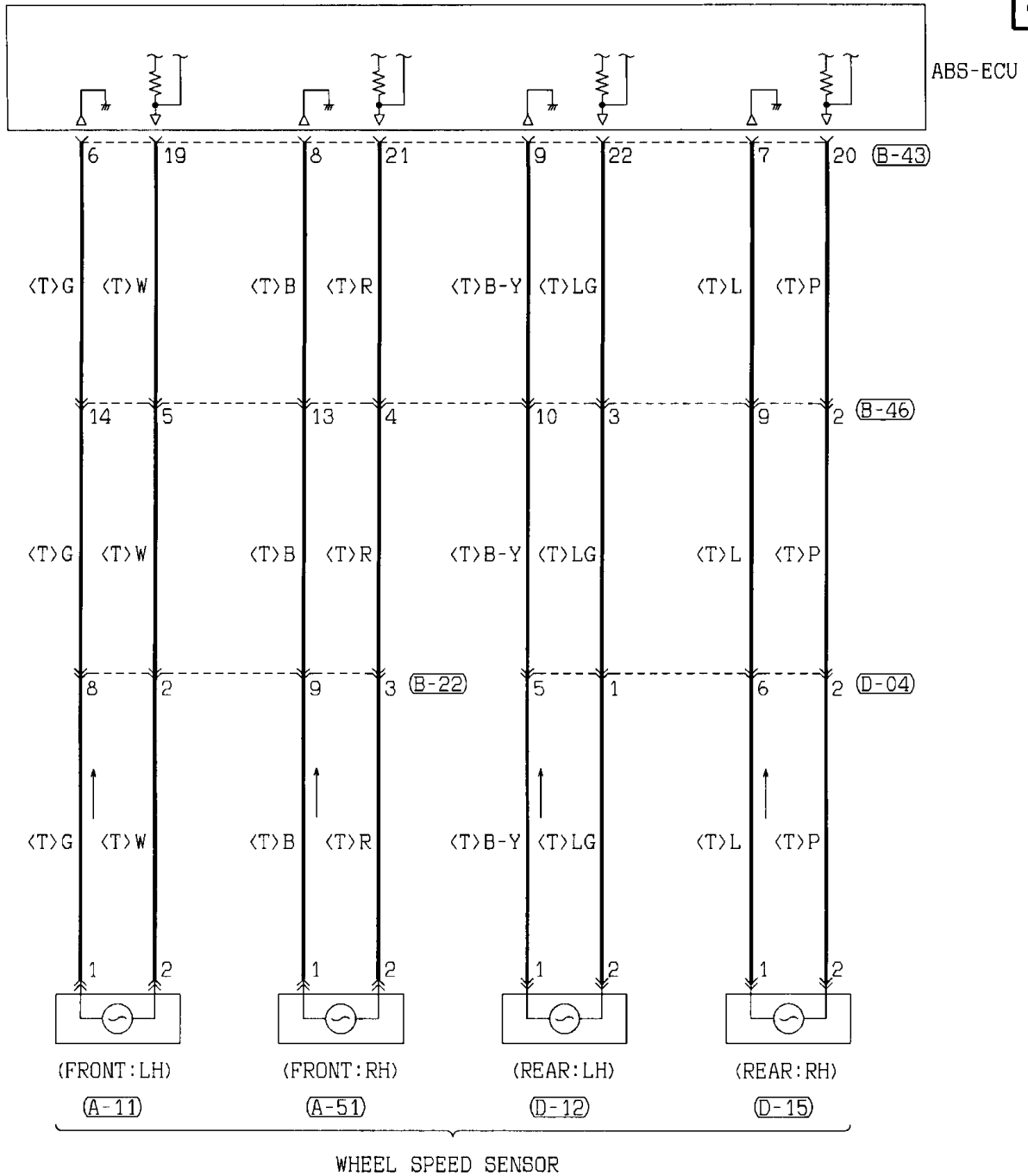
Wire colour code

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

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

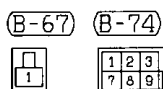
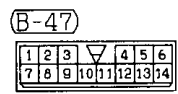
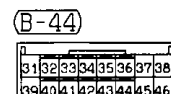
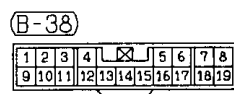
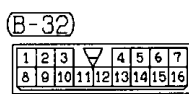
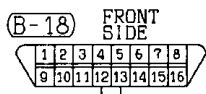
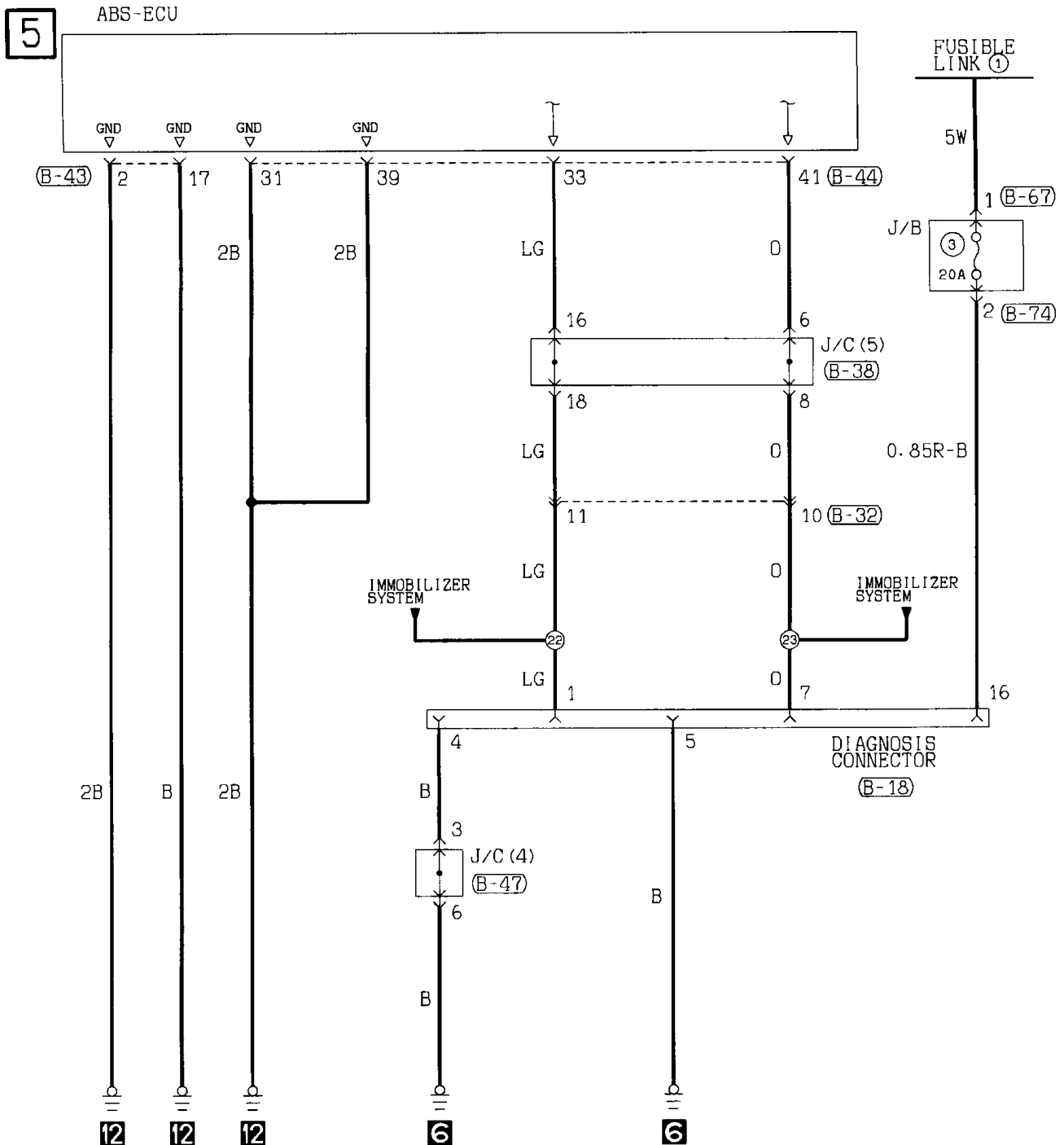


4



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

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



Wire colour code

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

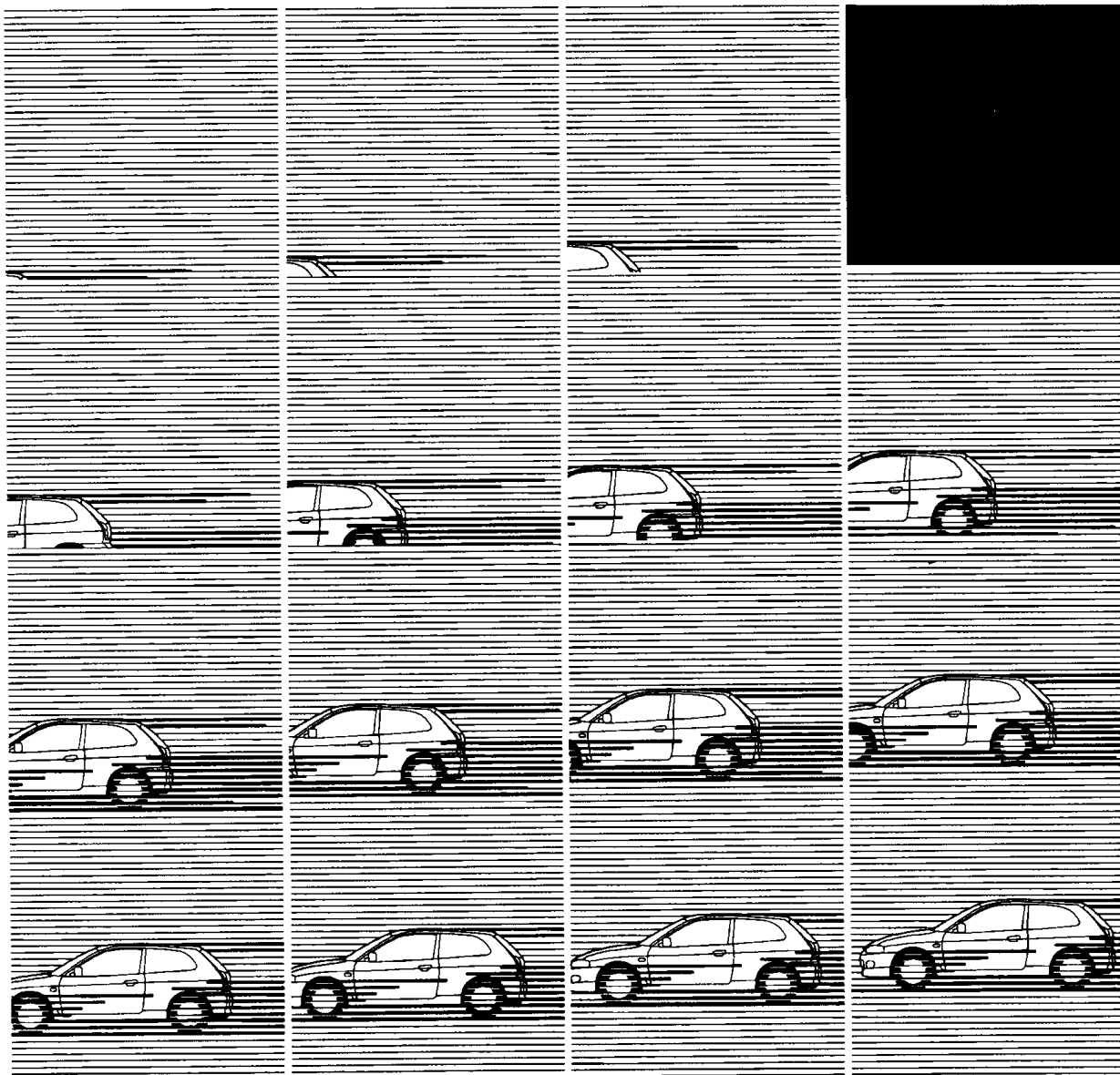


Workshop Manual

electrical wiring

SUPPLEMENT

COLT 2001



Pub. No. PHME9511-C

MITSUBISHI COLT

ELECTRICAL WIRING SUPPLEMENT

FOREWORD

This publication contains information on major changes which have occurred as a result of a model change for the COLT.

It contains only additions and changes to the original issue. For detailed information on inspection of the electrical system components, you should refer to the following publications as well as this manual if necessary.

Note that some wiring harness configuration diagrams and circuit diagrams are compilation diagrams containing information for different vehicle specifications, and actual diagrams may not be identical to those shown in the manual.

TECHNICAL INFORMATION MANUAL

PYME9501
PYME9501-A

WORKSHOP MANUAL

ENGINE GROUP

PWEE□□□□
(Looseleaf edition)

CHASSIS GROUP

PWME9511 (Basic)
PWME9511-A
(Supplement)
PWME9511-B
(Supplement)
PWME9511-C
(Supplement)

BODY REPAIR MANUAL

PBME9501

ELECTRICAL WIRING

PHME9511 (Basic)
PHME9511-A
(Supplement)
PHME9511-B
(Supplement)

PARTS CATALOGUE

B606F008A□

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

 **MITSUBISHI MOTORS CORPORATION**

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Jun. 2000

GROUP INDEX

OUTLINE OF CHANGES

HOW TO READ THE WIRING
DIAGRAMS

WIRING HARNESS
CONFIGURATION DIAGRAMS

SINGLE PART INSTALLATION
POSITION

CIRCUIT DIAGRAMS

1

2

3

4

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

WARNING!

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

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.

OUTLINE OF CHANGES

CONTENTS

WIRING HARNESS CONFIGURATION DIAGRAMS	2	CIRCUIT DIAGRAMS	3
SINGLE PART INSTALLATION POSITION	3	TABLE OF CIRCUIT DIAGRAMS	4

WIRING HARNESS CONFIGURATION DIAGRAMS

Connector symbol	Name		Reference page	Description of changes
A	ENGINE COMPARTMENT	4G13 <L.H. drive vehicles>	2-2	- The following connectors have been abolished to correspond to the abolition of A/T vehicles. - A/T control solenoid valve assembly (A-22) - Inhibitor switch <A/T> (A-27) - Output shaft speed sensor <A/T> (A-62) - Battery cable wiring harness and control wiring harness combination <A/T> (A-66) - Input shaft speed sensor <A/T> (A-67) - The following other connectors have been abolished. - Distributor assembly (A-68) - Intake air temperature sensor (A-86) - Oxygen sensor (A-69) - The following connectors have been added. - Camshaft position sensor (A-70) - Ignition coil 1 (A-73) - Ignition coil 2 (A-79) - Crank angle sensor (A-84) - Oxygen sensor (front) (A-106) - Ignition failure sensor (A-107) - Oxygen sensor (rear) (A-108) - The junction points for the following connectors have been changed. - Vacuum sensor (A-54) - Purge control solenoid valve (A-81) - EGR solenoid valve (A-88)
		4G13 <R.H. drive vehicles>	2-4	
		4G92 <L.H. drive vehicles>	2-6	- The following connectors have been abolished to correspond to the abolition of the MVV system. - Oxygen sensor <MVV> (A-69) - Air bypass solenoid valve <MVV> (A-55) - Air flow sensor <MVV> (A-61) - EGR solenoid valve <MVV> (A-89) - The fuel pump check connector (A-59) has been abolished. - The following connectors have been added. - Oxygen sensor (front) (A-106) - Ignition failure sensor (A-107) - Oxygen sensor (rear) (A-108)
		4G92 <R.H. drive vehicles>	2-8	
B	DASH PANEL	L.H. drive vehicles	2-10	- Engine-A/T-ECU connectors (B-92, B-93, B-94 and B-95) have been added and the ELC-4A/T-ECU connectors (B-39, B-41 and B-42) have been abolished to correspond to the adoption of engine-ECU and ELC-4A/T-ECU comprehensive control. - The oxygen sensor (rear) connector (B-40) has been abolished. <4G13>
		R.H. drive vehicles	2-12	

SINGLE PART INSTALLATION POSITION

Location of changes	Reference page	Description of changes
ECU	3-2	• An engine-A/T-ECU installation position has been added.
SENSOR	3-2	• The oxygen sensor installation position has been changed. • An ignition failure sensor installation position has been added. • Installation positions for the following connectors have been added to correspond to changes to the engine control system. <4G13> • Camshaft position sensor • Crank angle sensor • Vacuum sensor
SOLENOID AND SOLENOID VALVE	3-4	• The EGR solenoid valve and purge control solenoid valve installation positions have been changed.

CIRCUIT DIAGRAMS

Main title	Sub title	Reference page	Description of changes
IGNITION SYSTEM	4G13	4-2	• The circuit has been changed to correspond to the following changes. • Abolition of the distributor assembly • Addition of an ignition failure sensor • Addition of an ignition coil
	4G92	4-4	• The circuit has been changed to correspond to engine-ECU and ELC-4A/T-ECU having been changed to engine-A/T-ECU comprehensive control. • The circuit has been changed to correspond to the addition of an ignition failure sensor.
CHARGING SYSTEM	—	4-6	• The circuit has been changed to correspond to engine-ECU and ELC-4A/T-ECU having been changed to engine-A/T-ECU comprehensive control.
MPI SYSTEM	4G13	4-8	• The circuit has been changed to correspond to the following changes. • Changes to the ignition system • Elimination of the idle switch • Elimination of dedicated A/T vehicle circuits due to abolition of A/T vehicles
	4G92-M/T	4-14	• The circuit has been changed to correspond to the following changes. • Changes to the ignition system • Elimination of the idle switch • Abolition of the MVV system
	4G92-A/T	4-20	• The circuit has been changed to correspond to engine-ECU and ELC-4A/T-ECU having been changed to engine-A/T-ECU comprehensive control.

Main title	Sub title	Reference page	Description of changes
ECU 4-SPEED AUTOMATIC TRANSMISSION	–	4-26	The circuit has been changed to correspond to engine-ECU and ELC-4A/T-ECU having been changed to engine-A/T-ECU comprehensive control.
IMMOBILIZER SYSTEM	–	4-34	

TABLE OF CIRCUIT DIAGRAMS

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

NOTE

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

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	Previous manual: Pub. No. PHME9511-B (Supplement)	This manual: Pub. No. PHME9511-C (Supplement)
JUNCTION BLOCK (J/B)	–	I	P	P	P
JOINT CONNECTOR (J/C)	–	I	P	P	P
CENTRALIZED JUNCTION	–	I	R	P	P
POWER DISTRIBUTION SYSTEM	Vehicles with daytime running lamp	I	R	P	P
	Vehicles without daytime running lamp	I	R	P	P
STARTING SYSTEM	–	I	P	P	P
IGNITION SYSTEM	4G13	I	P	P	R
	4G92	I	P	P	R
CHARGING SYSTEM	–	I	P	P	R
MPI SYSTEM	4G13 <L.H. drive vehicle>	I	R	R	D
	4G13 <R.H. drive vehicle>	I	R	R	D
	4G13	N	N	N	A
	4G92 <L.H. drive vehicle>	I	R	R	D
	4G92 <R.H. drive vehicle>	I	R	R	D
	4G92-M/T	N	N	N	A
	4G92-A/T	N	N	N	A
COOLING SYSTEM	–	I	P	P	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	Previous manual: Pub. No. PHME9511-B (Supplement)	This manual: Pub. No. PHME9511-C (Supplement)
ECL 4-SPEED AUTOMATIC TRANSMISSION	L.H. drive vehicle	I	R	R	D
	R.H. drive vehicle	I	R	R	D
	–	N	N	N	A
HEADLAMP	Vehicle with daytime running lamp	I	R	P	P
	Vehicle without daytime running lamp	I	R	P	P
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	Hatchback <Vehicles with daytime running>	I	P	P	P
	Hatchback <Vehicles without daytime running>	I	P	P	P
	Sedan <Vehicles with daytime running>	I	P	P	P
	Sedan <Vehicles without daytime running>	I	P	P	P
FRONT FOG LAMP	Vehicles with daytime running lamp	I	R	P	P
	L.H. drive vehicles without daytime running lamp	I	R	P	P
	R.H. drive vehicles	I	R	P	P
REAR FOG LAMP	Vehicles with daytime running lamp	I	R	P	P
	L.H. drive vehicles without daytime running lamp	I	R	P	P
	R.H. drive vehicles	I	R	P	P
ROOM LAMP AND LUGGAGE COMPARTMENT LAMP	Hatchback	I	P	P	P
	Sedan	I	P	P	P
HEADLAMP LEVELING SYSTEM	Hatchback <L.H. drive vehicles>	I	P	P	P
	Hatchback <R.H. drive vehicles>	I	P	P	P
	Sedan <L.H. drive vehicles>	I	P	P	P
	Sedan <R.H. drive vehicles>	I	P	P	P
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
STOP LAMP	Hatchback	I	P	P	P
	Sedan	I	P	P	P
BACK-UP LAMP	–	I	P	P	P
HORN	Vehicle with SRS	I	P	P	P
	Vehicle without SRS	I	P	P	P
METER AND GAUGE	–	I	P	P	P
FUEL WARNING LAMP	–	I	P	P	P
OIL PRESSURE WARNING LAMP	–	I	P	P	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHME9511 (Basic)	Previous manual: Pub. No. PHME9511-A (Supplement)	Previous manual: Pub. No. PHME9511-B (Supplement)	This manual: Pub. No. PHME9511-C (Supplement)
BRAKE WARNING LAMP	–	I	P	P	P
CENTER DOOR LOCKING SYSTEM	L.H. drive vehicle	I	R	P	P
	R.H. drive vehicle	I	R	P	P
POWER WINDOWS	Hatchback	I	P	P	P
	Sedan	I	P	P	P
HEATER	–	I	P	P	P
AIR CONDITIONER	–	I	P	P	P
WINDSHIELD WIPER AND WASHER	L.H. drive vehicle	I	P	P	P
	R.H. drive vehicle	I	P	P	P
REAR WIPER AND WASHER	–	I	P	P	P
HEADLAMP WASHER	–	I	P	P	P
DEFOGGER AND DOOR MIRROR HEATER	–	I	P	P	P
REMOTE CONTROLLED MIRROR	L.H. drive vehicle	I	P	P	P
	R.H. drive vehicle	I	P	P	P
RADIO AND TAPE PLAYER	–	I	P	P	P
CLOCK	L.H. drive vehicle	I	P	P	P
	R.H. drive vehicle	I	P	P	P
CIGARETTE LIGHTER	–	I	P	P	P
ANTI-SKID BRAKING SYSTEM (ABS)	L.H. drive vehicle	I	R	R	P
	R.H. drive vehicle	I	R	R	P
SUNROOF	–	I	P	P	P
HEATED SEAT	–	I	P	P	P
IMMOBILIZER SYSTEM	–	I	R	P	R
RHEOSTAT	–	I	P	P	P
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	–	I	D	P	P
	Vehicle without side air bag	N	A	P	P
	Vehicle with side bag	N	A	P	P
LIGHTING MONITOR BUZZER	–	I	P	P	P

HOW TO READ THE WIRING DIAGRAMS

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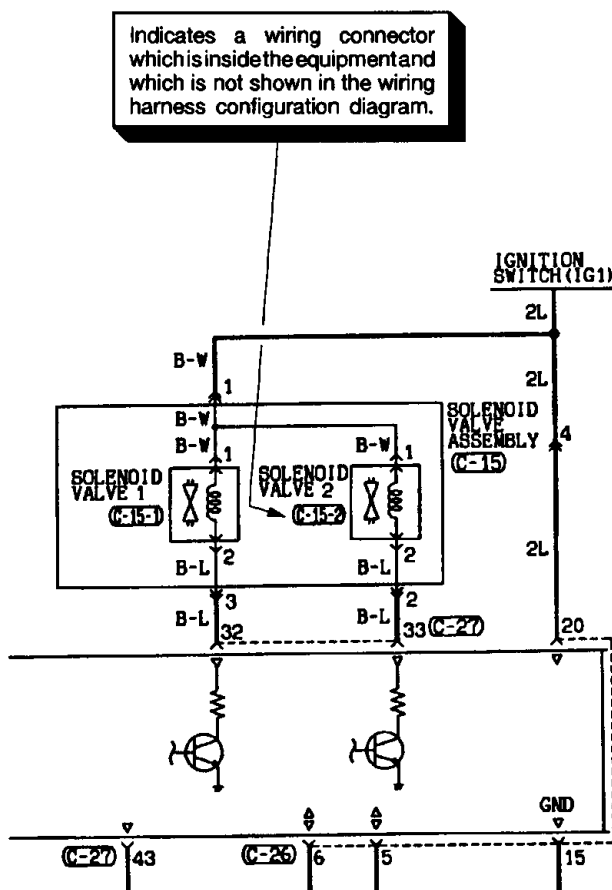
MODELS	1-2	HOW TO READ CIRCUIT DIAGRAMS	1-2
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MODELS

<Hatchback>

Model code		Engine model	Transmission model	Fuel supply system
CJ1A	MNDEL6	4G13-SOHC (1,298 mL)	F5M41 (5M/T)	MPI
	MNDER6			
	MNJEL6			
	MNJER6			
CJ4A	MNJEL6	4G92-SOHC (1,597 mL)	F4A41 (4A/T)	
	MNJER6			
	MRJEL6			
	MRJER6			

HOW TO READ CIRCUIT DIAGRAMS



WIRING HARNESS CONFIGURATION DIAGRAMS

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ENGINE COMPARTMENT

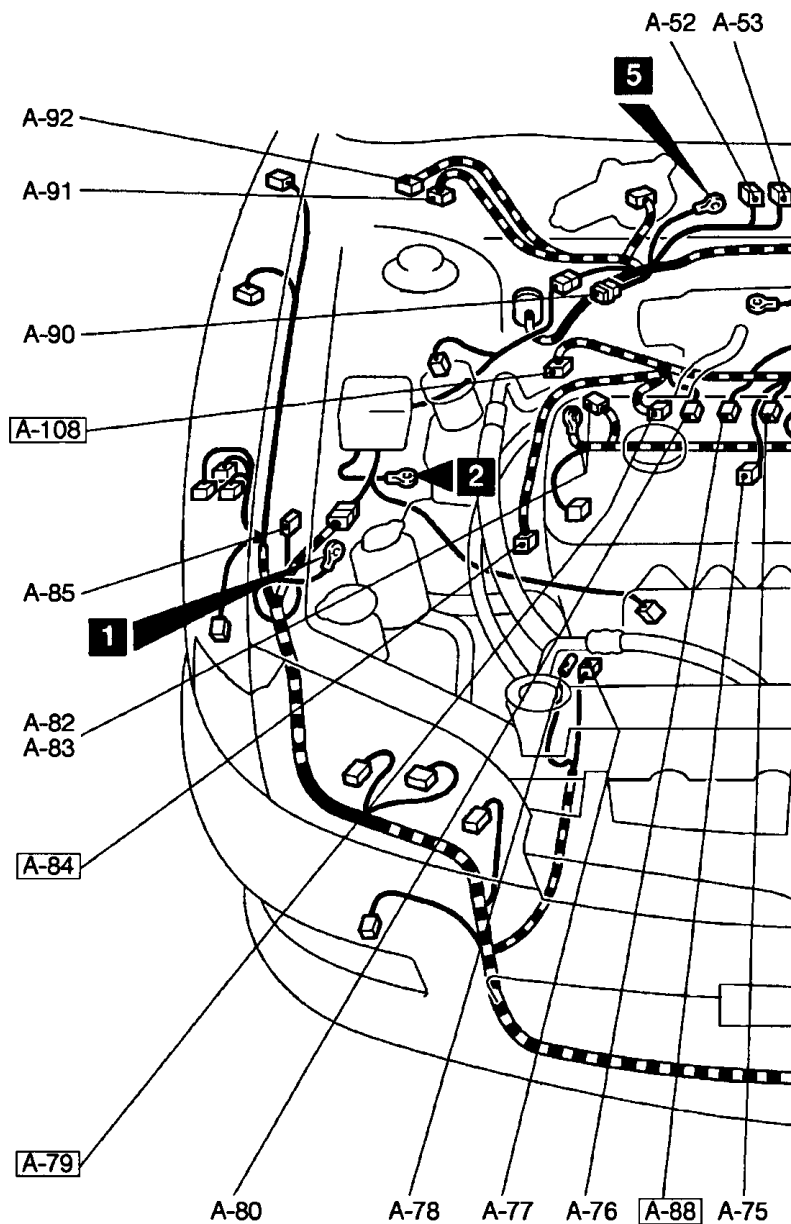
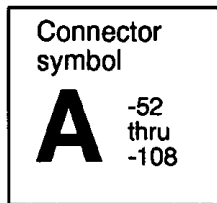
4G13 <L.H. drive vehicles>	2-2
4G13 <R.H. drive vehicles>	2-4
4G92 <L.H. drive vehicles>	2-6
4G92 <R.H. drive vehicles>	2-8

DASH PANEL

L.H. drive vehicles	2-10
R.H. drive vehicles	2-12

ENGINE COMPARTMENT

4G13 <L.H. drive vehicles>

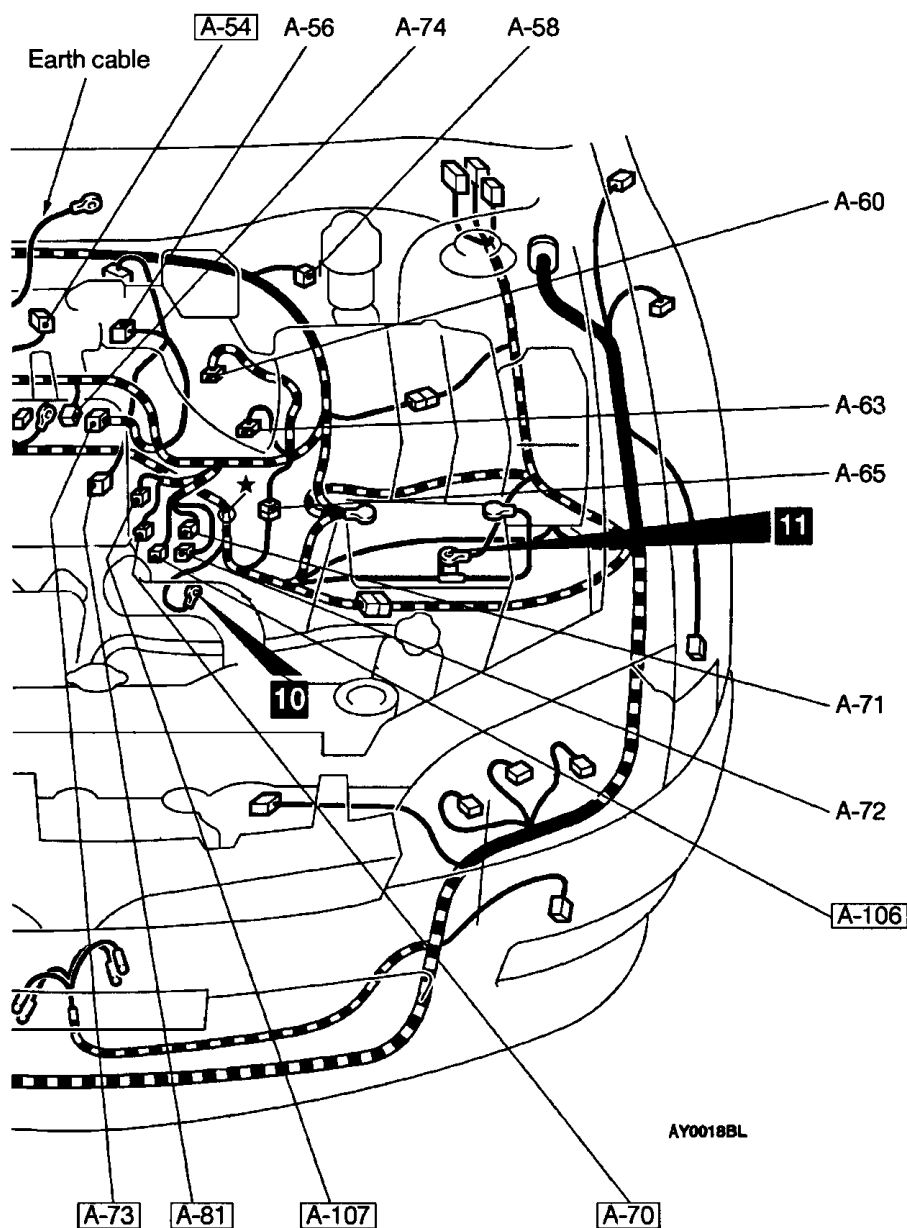


Connector colour code

B:Black
 Y:Yellow
 L:Blue
 G:Green
 R:Red
 BR:Brown
 V:Violet
 O:Orange
 GR:Gray
 None: Milk white

A-52 (5-B)	ABS valve relay
A-53 (5-B)	ABS motor relay
A-54 (4)	Vacuum sensor
A-56 (6-B)	Idle speed control servo
A-58 (2-B)	Brake fluid level sensor
A-60 (3-B)	Vehicle speed sensor
A-63 (2-B)	Back-up lamp switch
A-65 (4-GR)	Battery cable wiring harness and control wiring harness combination

A-70 (3-B)	Camshaft position sensor
A-71 (1-B)	Engine coolant temperature gauge unit
A-72 (2-B)	Engine coolant temperature sensor
A-73 (3-B)	Ignition coil 1
A-74 (2-GR)	Injector 4
A-75 (2-GR)	Injector 3
A-76 (2-GR)	Injector 2



A-77 (1-B)	A/C refrigerant temperature switch and magnetic clutch
A-78 (1)	Power steering oil pressure switch
A-79 (3-GR)	Ignition coil 2
A-80 (2-GR)	Injector 1
A-81 (2-B)	Purge control solenoid valve
A-82 (1)	Alternator
A-83 (4-GR)	Alternator
A-84 (3-GR)	Crank angle sensor
A-85 (6-B)	Headlamp washer relay
A-88 (2-BR)	EGR solenoid valve

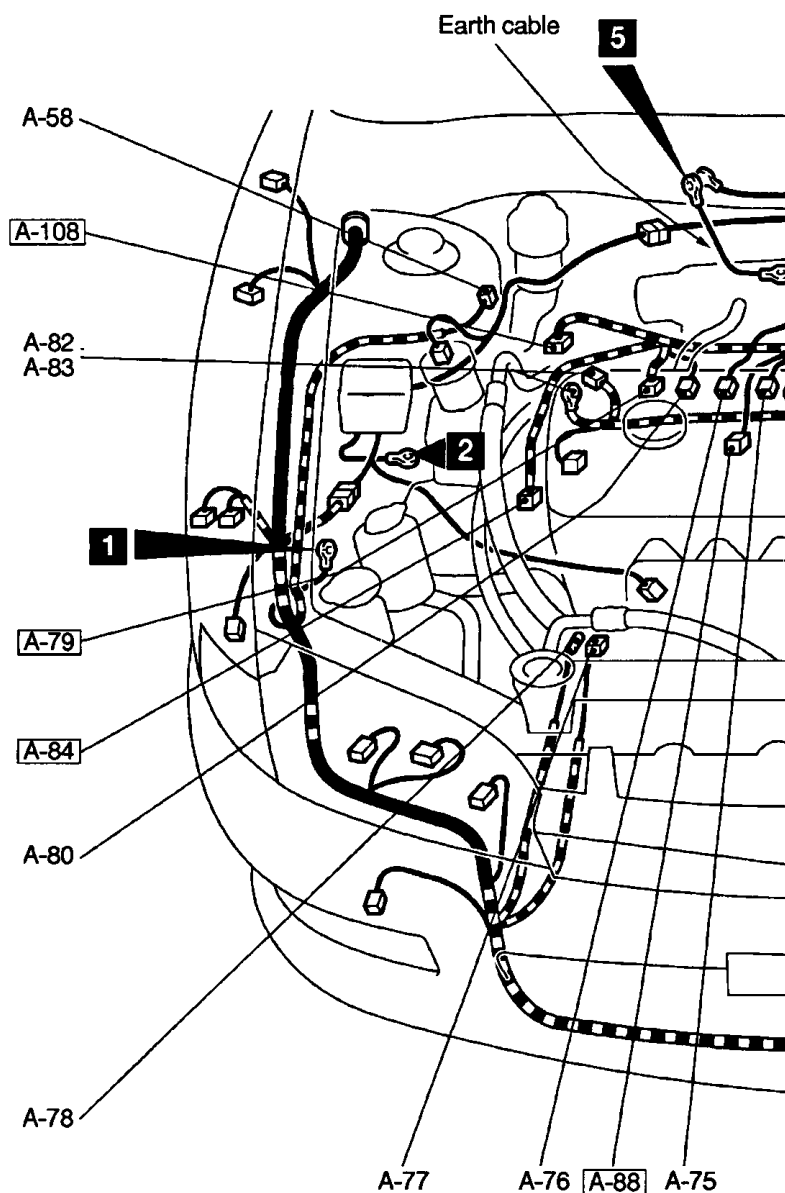
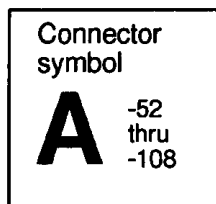
A-90 (1-L)	Engine speed detection connector
A-91 (2-B)	ABS hydraulic unit
A-92 (8-B)	ABS hydraulic unit
A-106 (4-B)	Oxygen sensor (front)
A-107 (4-B)	Ignition failure sensor
A-108 (4-B)	Oxygen sensor (rear)

NOTE

Connector numbers in boxes are for connectors which have been changed or added.

ENGINE COMPARTMENT

4G13 <R.H. drive vehicles>

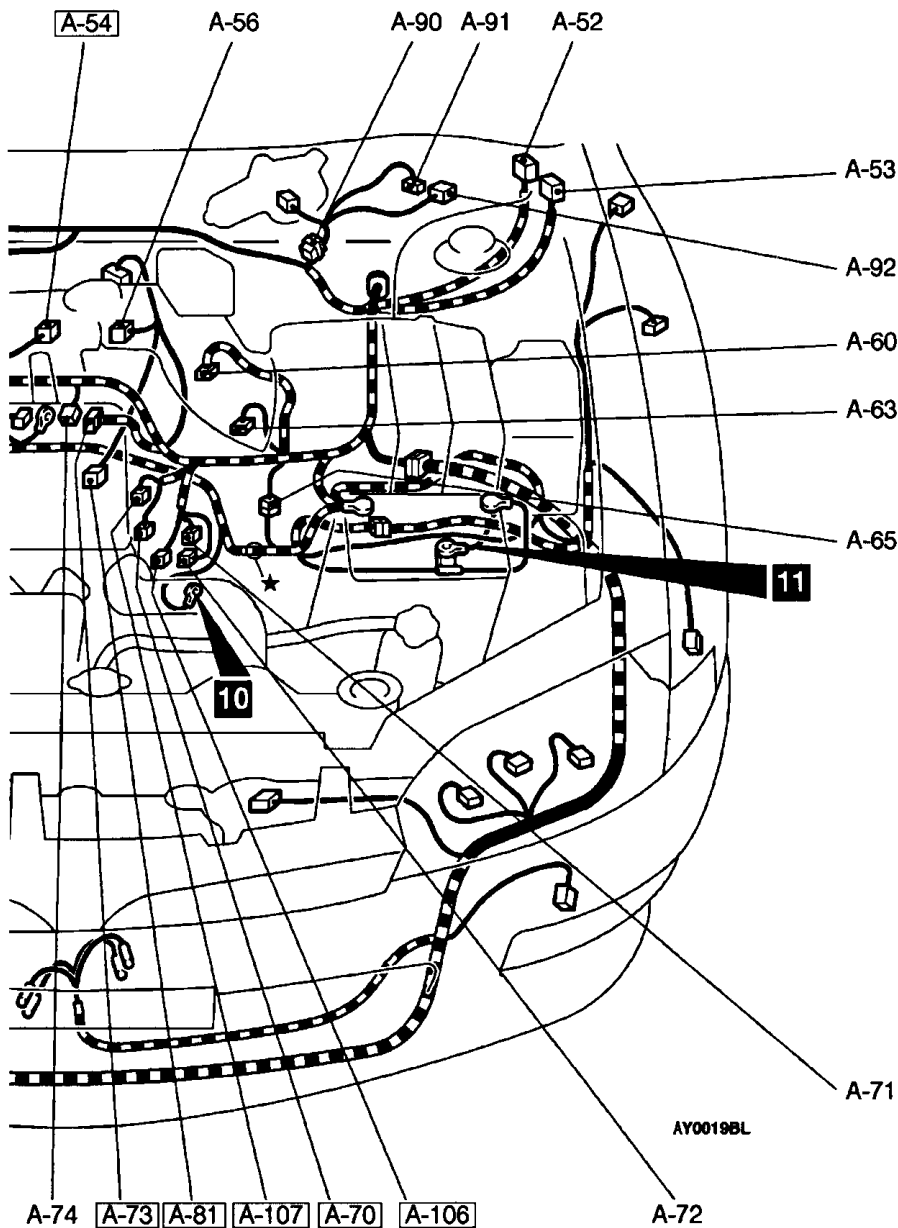


Connector colour code

B:Black
Y:Yellow
L:Blue
G:Green
R:Red
BR:Brown
V:Violet
O:Orange
GR:Gray
None: Milk white

A-52 (6)	ABS valve relay
A-53 (5)	ABS motor relay
A-54 (4-B)	Vacuum sensor
A-56 (6-B)	Idle speed control servo
A-58 (2-B)	Brake fluid level sensor
A-60 (3-B)	Vehicle speed sensor
A-63 (2-B)	Back-up lamp switch
A-65 (4-GR)	Battery cable wiring harness and control wiring harness combination

A-70 (3-B)	Camshaft position sensor
A-71 (1-B)	Engine coolant temperature gauge unit
A-72 (2-B)	Engine coolant temperature sensor
A-73 (3-GR)	Ignition coil 1
A-74 (2-GR)	Injector 4
A-75 (2-GR)	Injector 3
A-76 (2-GR)	Injector 2



A-77 (1)	A/C refrigerant temperature switch and magnetic clutch
A-78 (1)	Power steering oil pressure switch
A-79 (3-GR)	Ignition coil 2
A-80 (2-GR)	Injector 1
A-81 (2-B)	Purge control solenoid valve
A-82 (1)	Alternator
A-83 (4-GR)	Alternator
A-84 (3-GR)	Crank angle sensor
A-88 (2-BR)	EGR solenoid valve

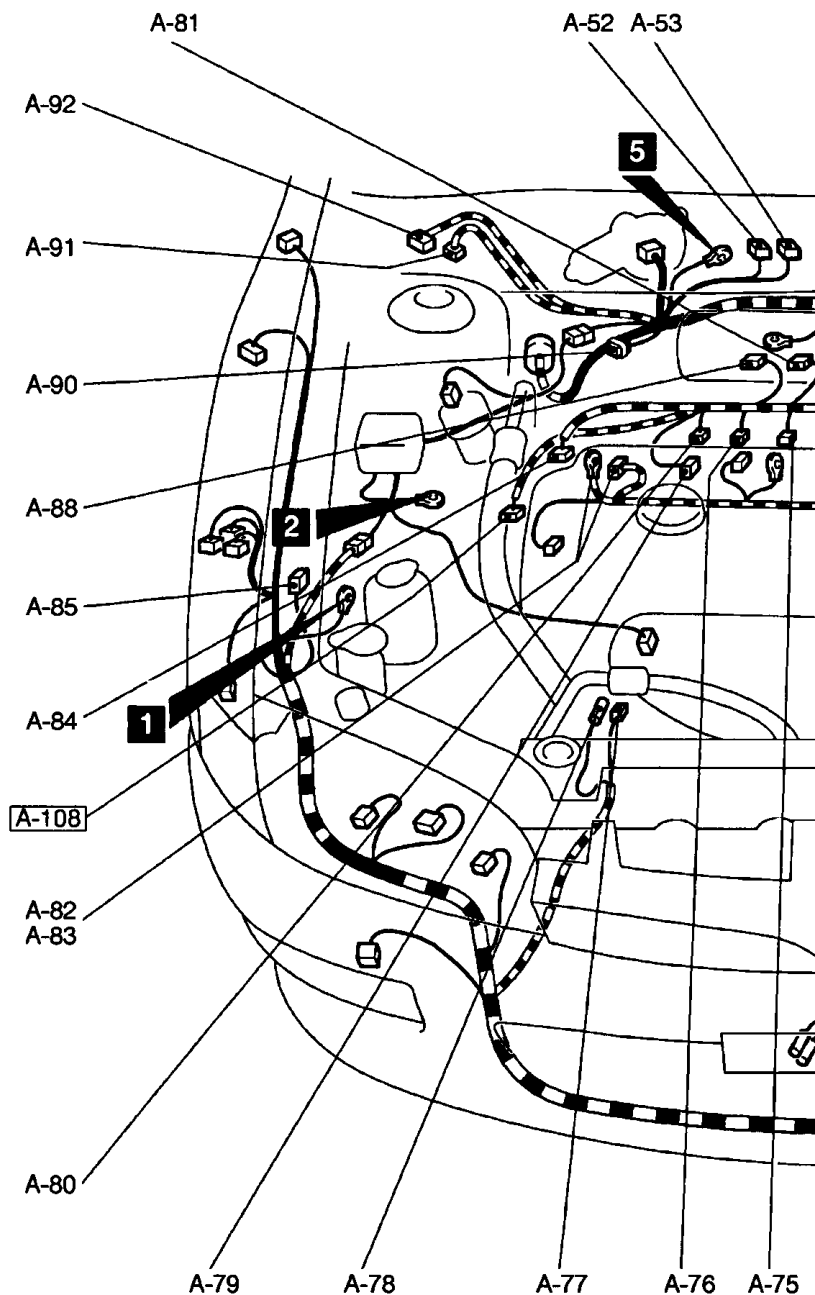
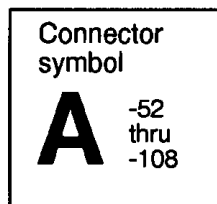
A-90 (1-L)	Engine speed detection connector
A-91 (2-B)	ABS hydraulic unit
A-92 (8-B)	ABS hydraulic unit
A-106 (4-B)	Oxygen sensor (front)
A-107 (4-B)	Ignition failure sensor
A-108 (4-B)	Oxygen sensor (rear)

NOTE

Connector numbers in boxes are for connectors which have been changed or added.

ENGINE COMPARTMENT

4G92 <L.H. drive vehicles>

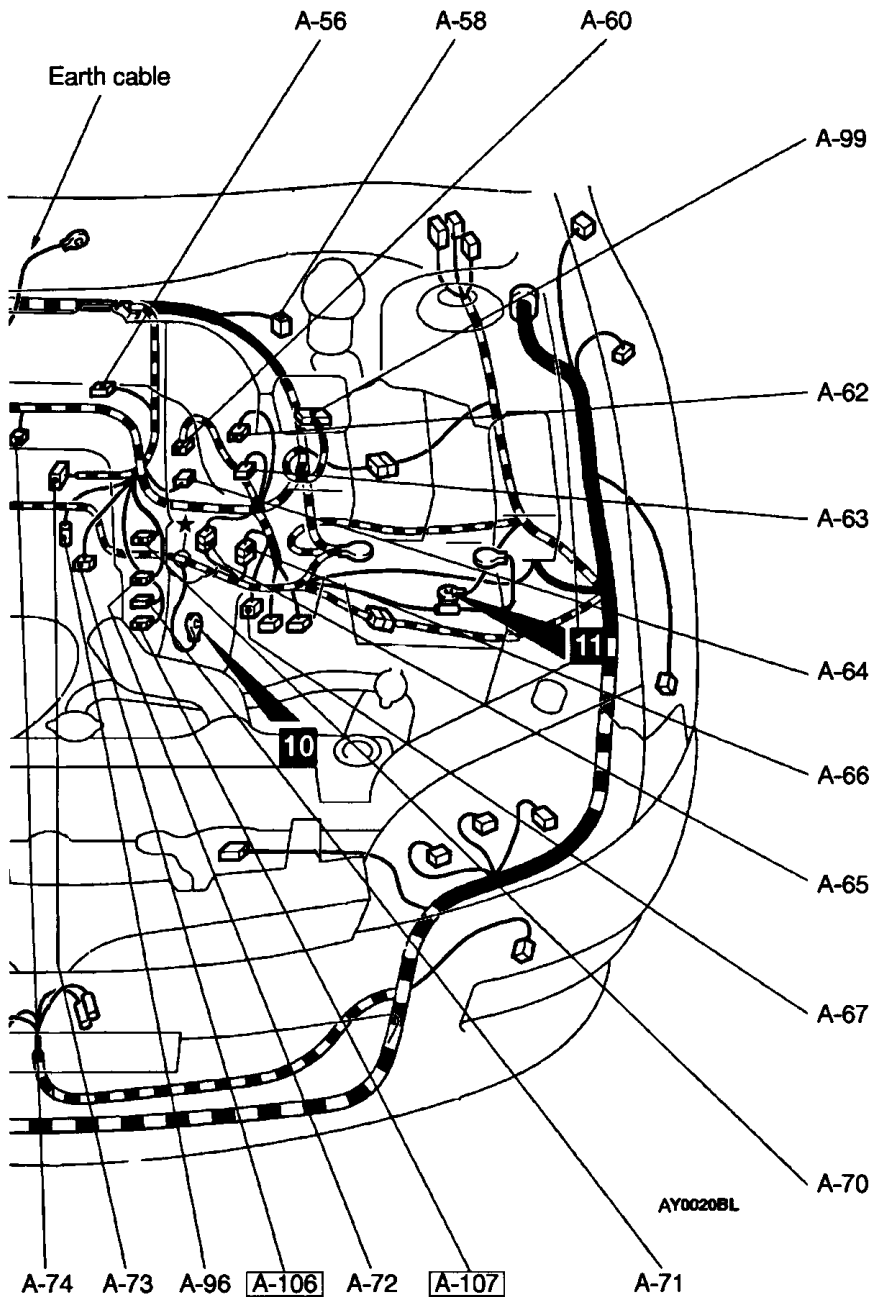


Connector colour code

B:Black
 Y:Yellow
 L:Blue
 G:Green
 R:Red
 BR:Brown
 V:Violet
 O:Orange
 GR:Gray
 None: Milk white

A-52 (5-B)	ABS valve relay
A-53 (5-B)	ABS motor relay
A-56 (6-B)	Idle speed control servo
A-58 (2-B)	Brake fluid level sensor
A-60 (3-B)	Vehicle speed sensor
A-62 (3-GR)	Output shaft speed sensor <A/T>
A-63 (2)	Back-up lamp switch <M/T>
A-64 (2-GR)	Detonation sensor

A-65 (4-GR)	Battery cable wiring harness and control wiring harness combination <M/T>
A-66 (4-GR)	Battery cable wiring harness and control wiring harness combination <A/T>
A-67 (3-B)	Input shaft speed sensor <A/T>
A-70 (3-B)	Camshaft position sensor
A-71 (1-B)	Engine coolant temperature gauge unit
A-72 (2-B)	Engine coolant temperature sensor



A-73 (3-GR)	Ignition coil 1
A-74 (2-GR)	Injector 4
A-75 (2-GR)	Injector 3
A-76 (2-GR)	Injector 2
A-77 (1-B)	A/C refrigerant temperature switch and magnetic clutch
A-78 (1)	Power steering oil pressure switch
A-79 (3-GR)	Ignition coil 2
A-80 (2-GR)	Injector 1
A-81 (2-B)	Purge control solenoid valve
A-82 (1)	Alternator
A-83 (4-GR)	Alternator
A-84 (3-GR)	Crank angle sensor
A-85 (6-B)	Headlamp washer relay

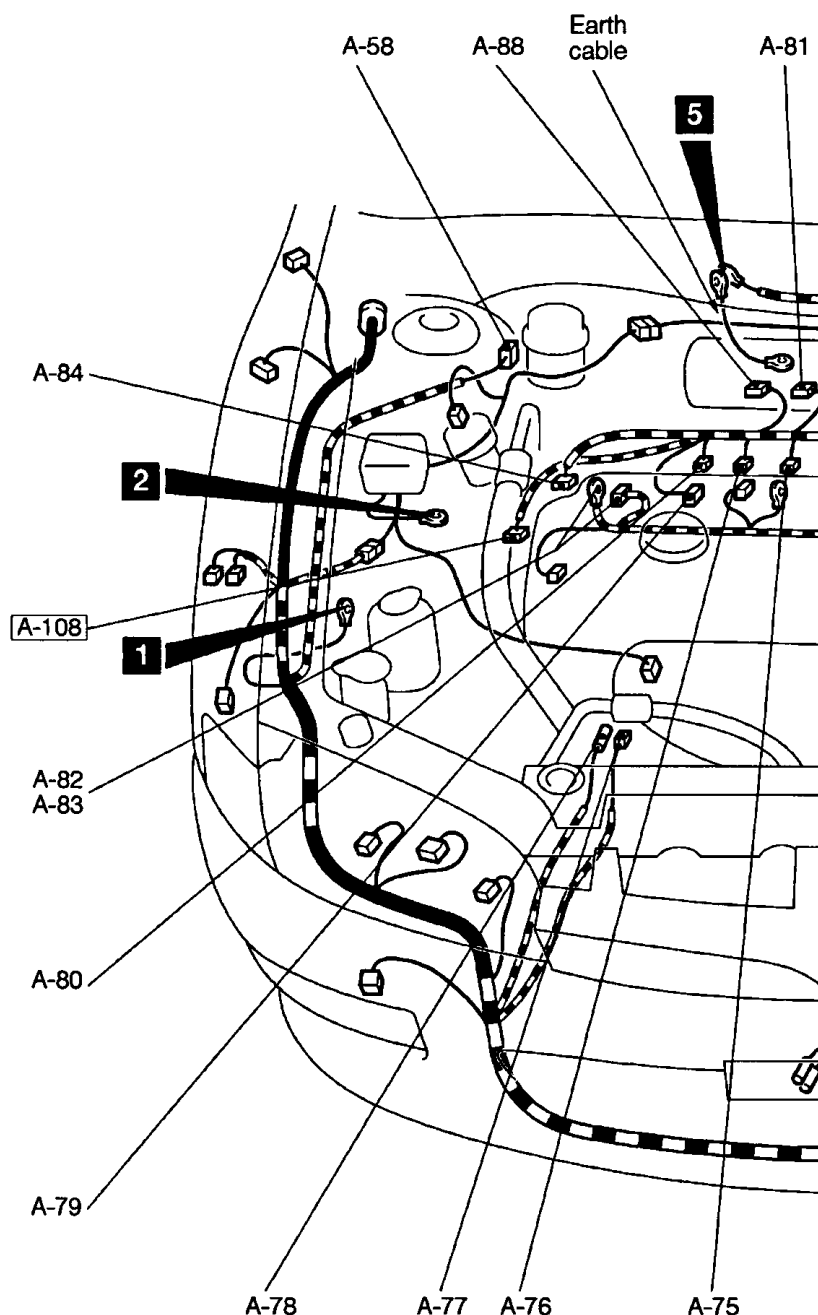
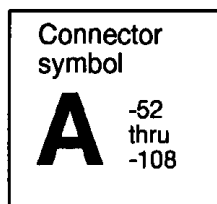
A-88 (2-BR)	EGR solenoid valve
A-90 (1-L)	Engine speed detection connector
A-91 (2-B)	ABS hydraulic unit
A-92 (8-B)	ABS hydraulic unit
A-96 (1-B)	Capacitor
A-99 (7-B)	Air flow sensor
A-106 (4-B)	Oxygen sensor (front)
A-107 (4-B)	Ignition failure sensor
A-108 (4-B)	Oxygen sensor (rear)

NOTE

Connector numbers in boxes are for connectors which have been newly added.

ENGINE COMPARTMENT

4G92 <R.H. drive vehicles>

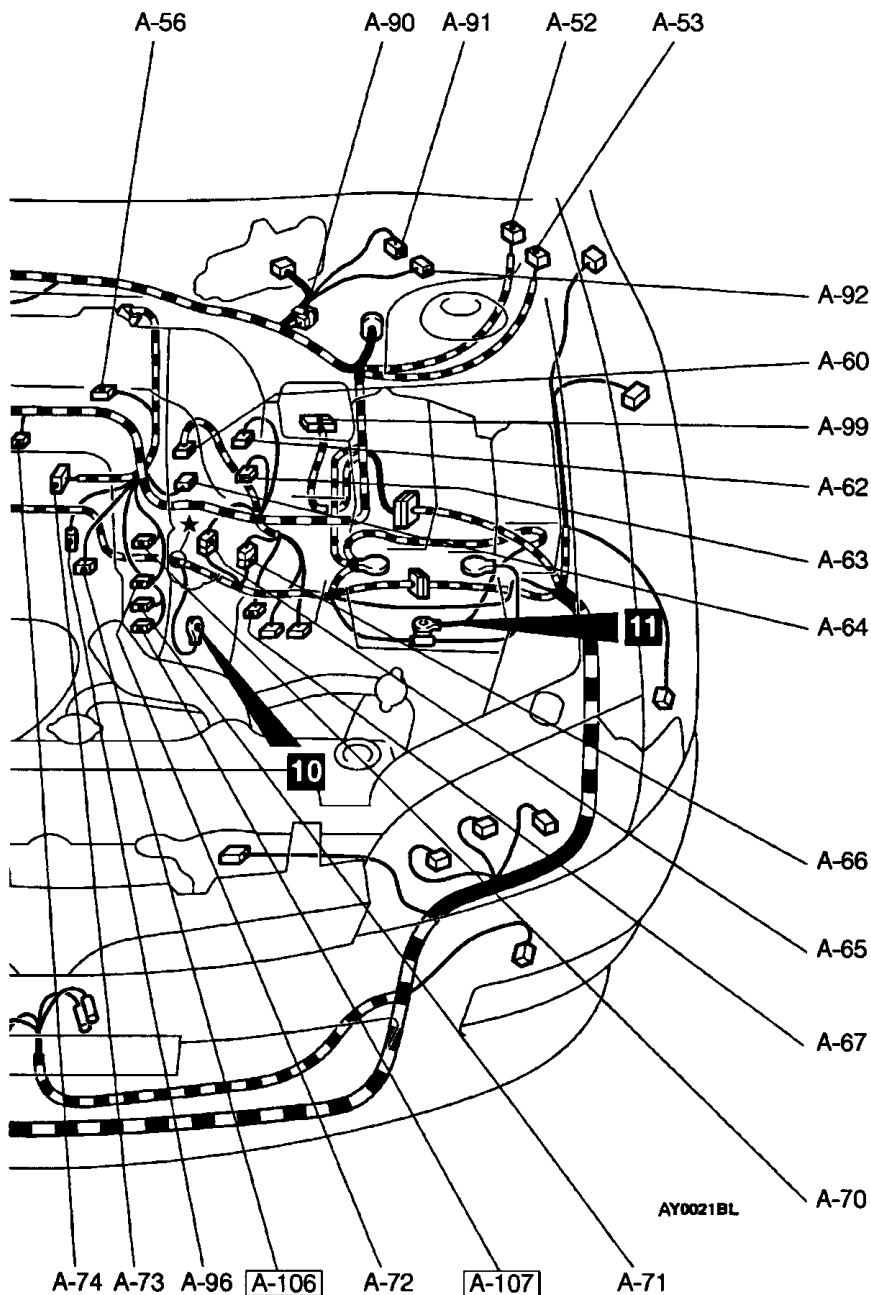


Connector colour code

B:Black
 Y:Yellow
 L:Blue
 G:Green
 R:Red
 BR:Brown
 V:Violet
 O:Orange
 GR:Gray
 None: Milk white

A-52 (6)	ABS valve relay
A-53 (5)	ABS motor relay
A-56 (6-B)	Idle speed control servo
A-58 (2-B)	Brake fluid level sensor
A-60 (3-B)	Vehicle speed sensor
A-62 (3-GR)	Output shaft speed sensor <A/T>
A-63 (2)	Back-up lamp switch <M/T>
A-64 (2-GR)	Detonation
A-65 (4-GR)	Battery cable wiring harness and control wiring harness combination <M/T>

A-66 (4-GR)	Battery cable wiring harness and control wiring harness combination <A/T>
A-67 (3-B)	Input shaft position sensor <A/T>
A-70 (3-B)	Camshaft position sensor
A-71 (1-B)	Engine coolant temperature gauge unit
A-72 (2-B)	Engine coolant temperature sensor
A-73 (3-GR)	Ignition coil 1



A-74 (2-GR)	Injector 4
A-75 (2-GR)	Injector 3
A-76 (2-GR)	Injector 2
A-77 (1)	A/C refrigerant temperature switch and magnetic clutch
A-78 (1)	Power steering oil pressure switch
A-79 (3-GR)	Ignition coil 2
A-80 (2-GR)	Injector 1
A-81 (2-B)	Purge control solenoid valve
A-82 (1)	Alternator
A-83 (4-GR)	Alternator
A-84 (3-GR)	Crank angle sensor
A-88 (2-BR)	EGR solenoid valve

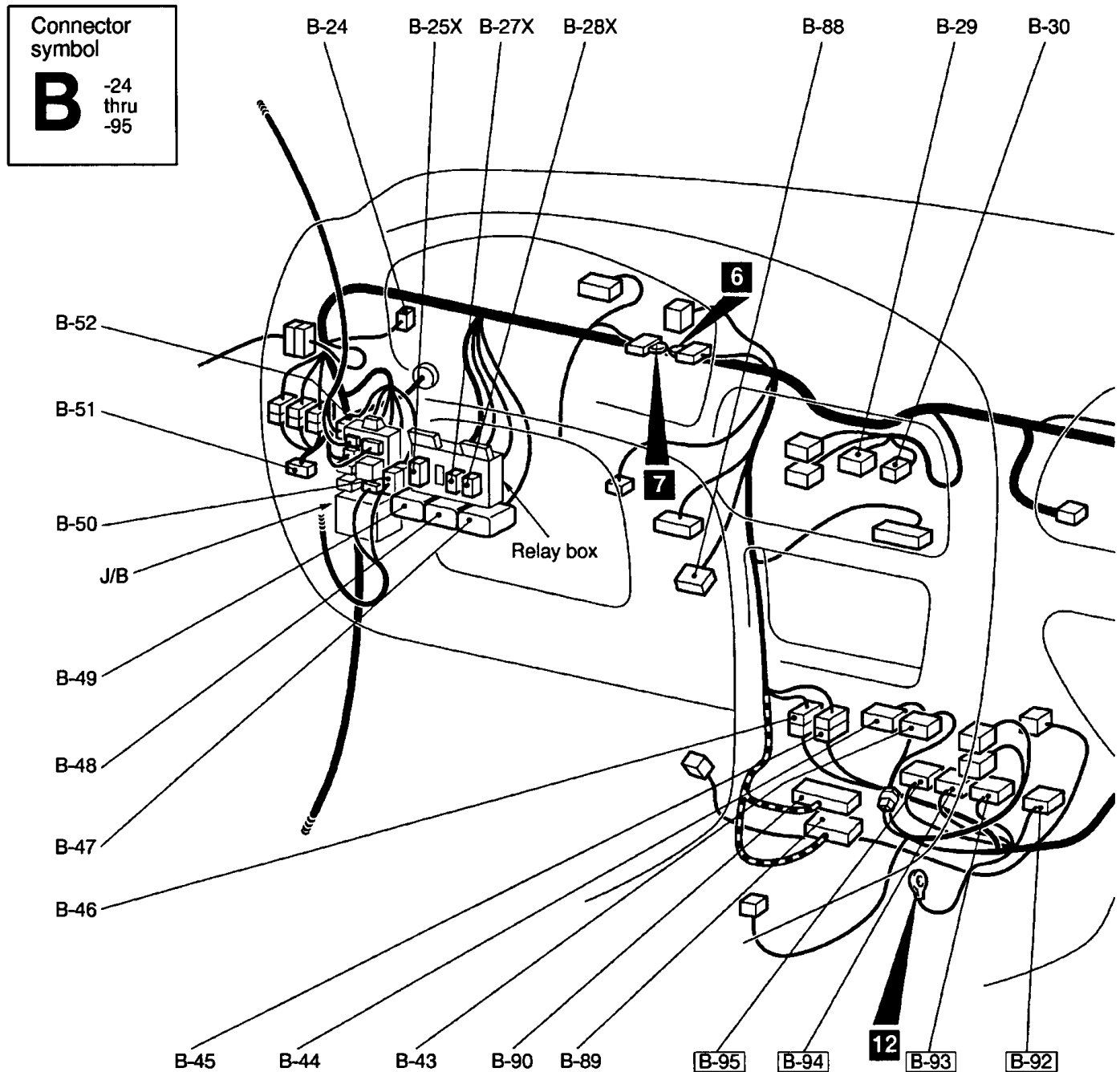
A-90 (1-L)	Engine speed detection connector
A-91 (2-B)	ABS hydraulic unit
A-92 (8-B)	ABS hydraulic unit
A-96 (1-B)	Capacitor
A-99 (7-B)	Air flow sensor
A-106 (4-B)	Oxygen sensor (front)
A-107 (4-B)	Ignition failure sensor
A-108 (4-B)	Oxygen sensor (rear)

NOTE

Connector numbers in boxes are for connectors which have been newly added.

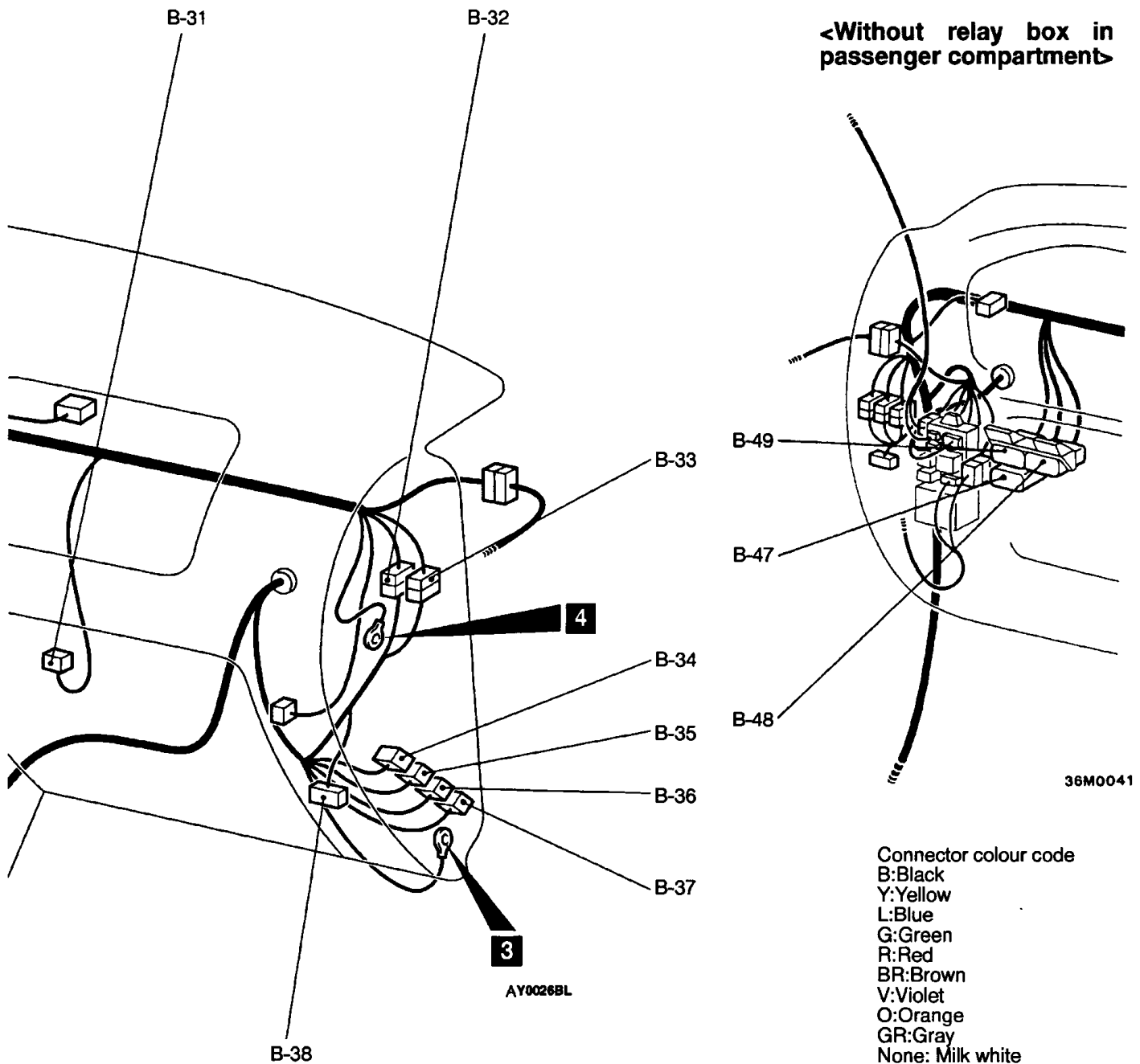
DASH PANEL

L.H. drive vehicles



B-24 (16-B) Immobilizer-ECU
 B-25X (8) Rear intermittent wipe relay
 B-27X (5) Power window relay
 B-28X (5) Front fog lamp relay
 B-29 (8) Blower switch
 B-30 (2) Blower control illumination lamp
 B-31 (4) Resistor
 B-32 (16-B) Control wiring harness and body wiring harness combination

B-33 (13) Control wiring harness and body wiring harness combination
 B-34 (22-Y) Engine ECU <M/T>
 B-35 (12-Y) Engine ECU <M/T>
 B-36 (16-Y) Engine ECU <M/T>
 B-37 (26-Y) Engine ECU <M/T>
 B-38 (19-B) J/C (5)
 B-43 (26-Y) ABS-ECU
 B-44 (16) ABS-ECU



B-45 (14)	Control wiring harness and body wiring harness combination <A/T>
B-46 (16-B)	Control wiring harness and body wiring harness combination <ABS>
B-47 (14)	J/C (4)
B-48 (14)	J/C (3)
B-49 (14)	J/C (2)
B-50 (18)	Instrument panel wiring harness and body wiring harness combination
B-51 (19-B)	J/C (1)
B-52 (6)	Roof wiring harness and body wiring harness combination <Sunroof>

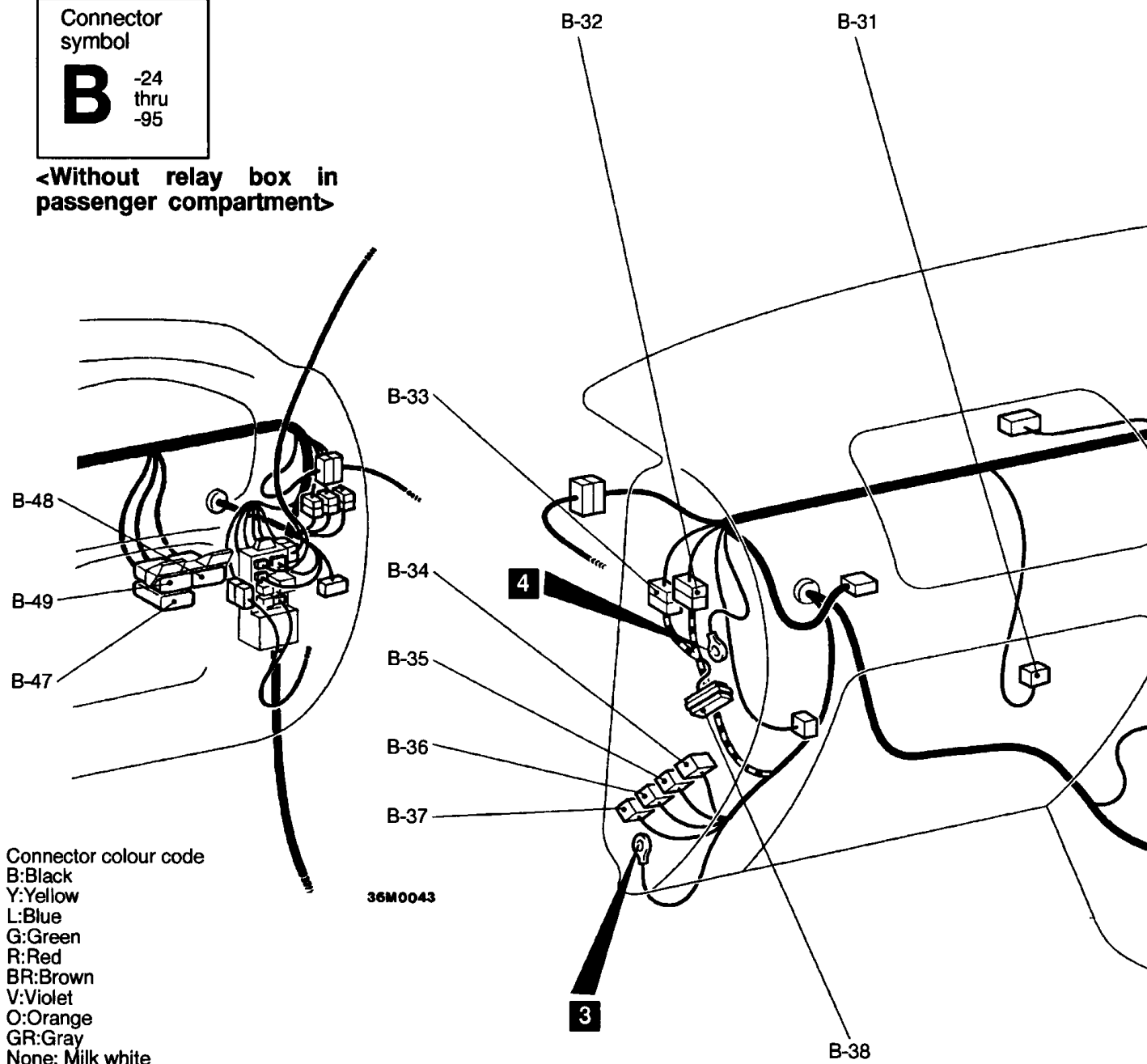
B-88 (12)	Diagnosis connector
B-89 (22)	SRS-ECU <Vehicles with side air bag>
B-90 (16)	SRS-ECU <Vehicles with side air bag>
B-92 (30-GR)	Engine-A/T-ECU
B-93 (28-GR)	Engine-A/T-ECU
B-94 (26-GR)	Engine-A/T-ECU
B-95 (35-GR)	Engine-A/T-ECU

NOTE

Connector numbers enclosed by a box are for connectors which have been newly added.

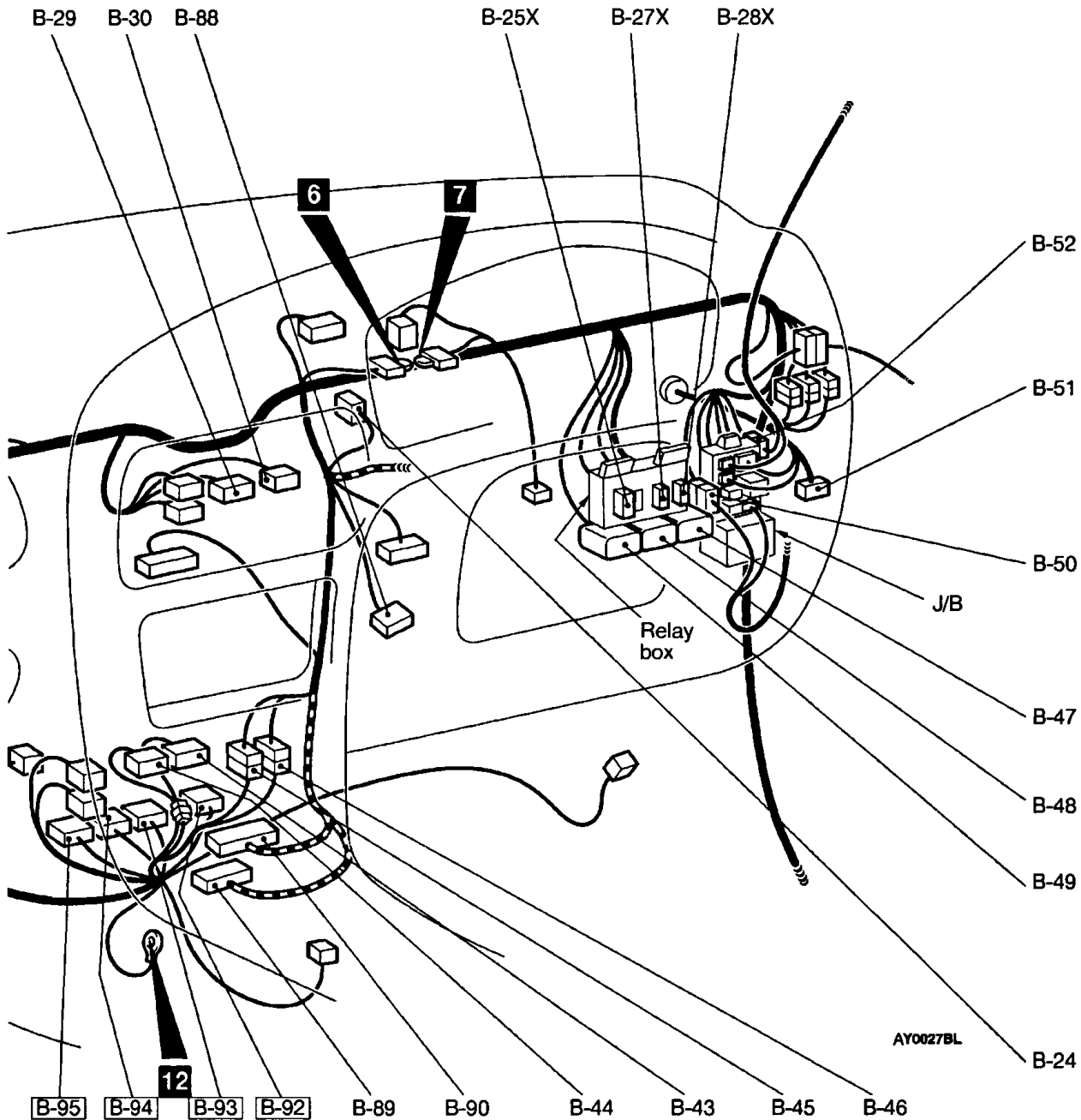
DASH PANEL

R.H. drive vehicles

Connector
symbol**B**-24
thru
-95<Without relay box in
passenger compartment>

B-24 (16-B)	Immobilizer-ECU
B-25X (8)	Rear intermittent wipe relay
B-27X (5)	Power window relay
B-28X (5)	Front fog lamp relay
B-29 (8)	Blower switch
B-30 (2)	Blower control illumination lamp
B-31 (4)	Resistor
B-32 (16-B)	Control wiring harness and body wiring harness combination

B-33 (13)	Control wiring harness and body wiring harness combination
B-34 (22-Y)	Engine-ECU <M/T>
B-35 (12-Y)	Engine-ECU <M/T>
B-36 (16-Y)	Engine-ECU <M/T>
B-37 (26-Y)	Engine-ECU <M/T>
B-38 (19-B)	J/C (5)
B-43 (26-Y)	ABS-ECU
B-44 (16)	ABS-ECU



- B-45 (14) Control wiring harness and body wiring harness combination <A/T>
- B-46 (16-B) Control wiring harness and body wiring harness combination <ABS>
- B-47 (14) J/C (4)
- B-48 (14) J/C (3)
- B-49 (14) J/C (2)
- B-50 (22) Instrument panel wiring harness and body wiring harness combination
- B-51 (19) J/C (1)
- B-52 (6) Roof wiring harness and body wiring harness combination <Sunroof>

- B-88 (12) Diagnosis connector
- B-89 (22) SRS-ECU <Vehicles with side air bag>
- B-90 (16) SRS-ECU <Vehicles with side air bag>
- B-92 (30-GR) Engine-A/T-ECU
- B-93 (28-GR) Engine-A/T-ECU
- B-94 (26-GR) Engine-A/T-ECU
- B-95 (35-GR) Engine-A/T-ECU

NOTE

Connector numbers enclosed by a box are for connectors which have been newly added.

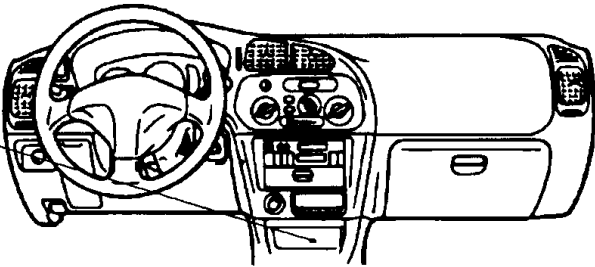
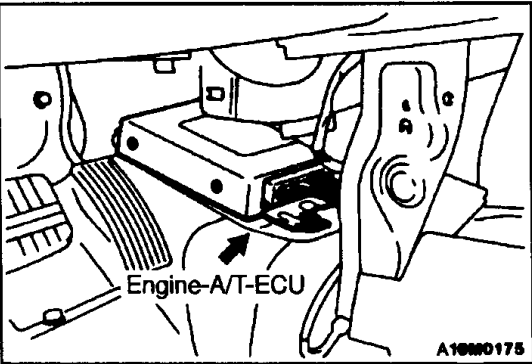
SINGLE PART INSTALLATION POSITION

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SENSOR	3-2		



ECU



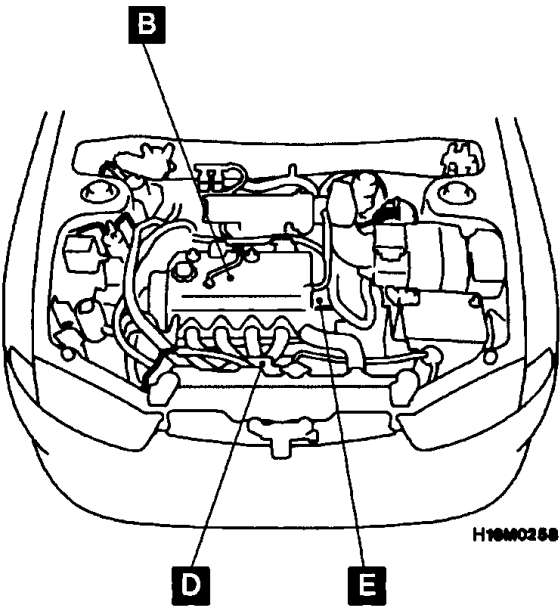
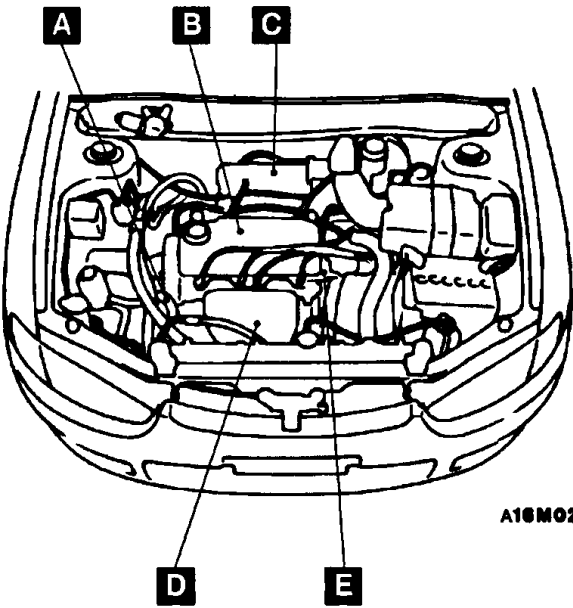
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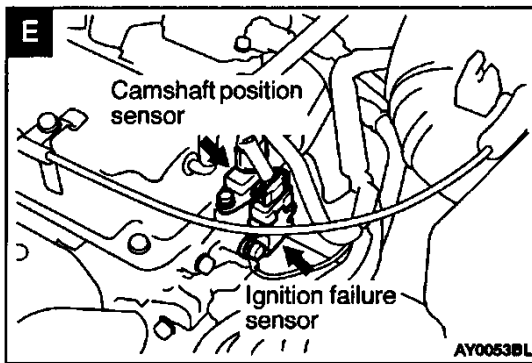
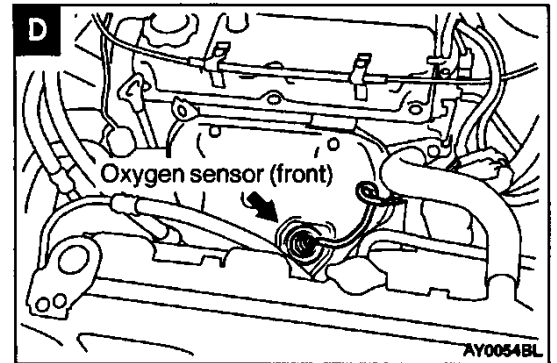
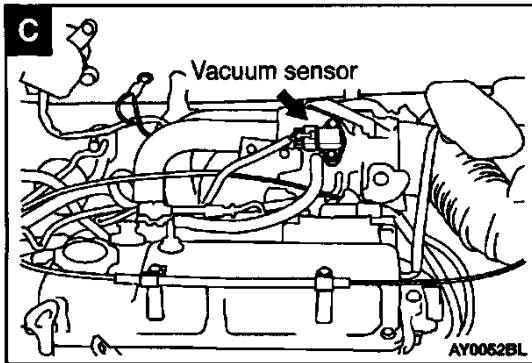
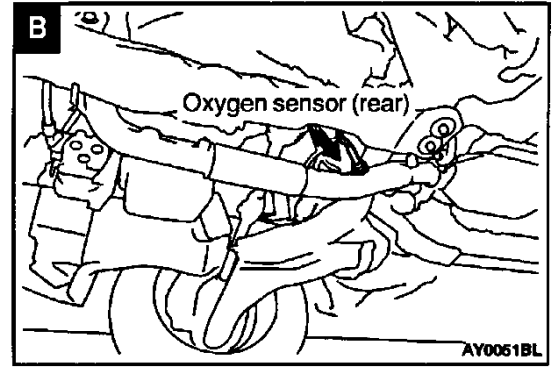
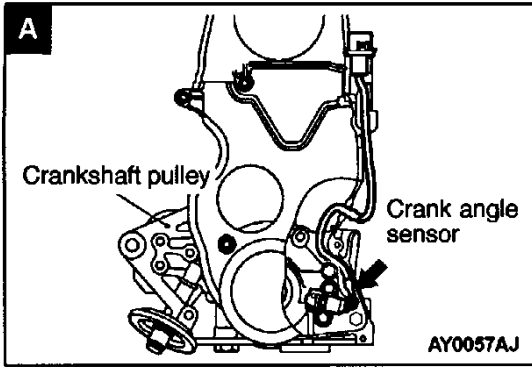
SENSOR

Name	Symbol	Name	Symbol
Camshaft position sensor <4G13>	E	Oxygen sensor (rear)	B
Crank angle sensor <4G13>	A	Ignition failure sensor	E
Oxygen sensor (front)	D	Vacuum sensor <4G13>	C

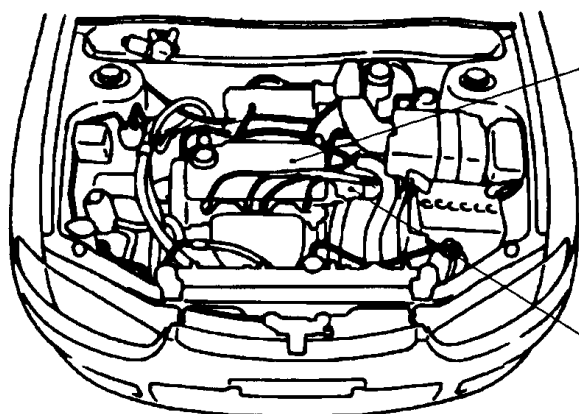
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<4G92>

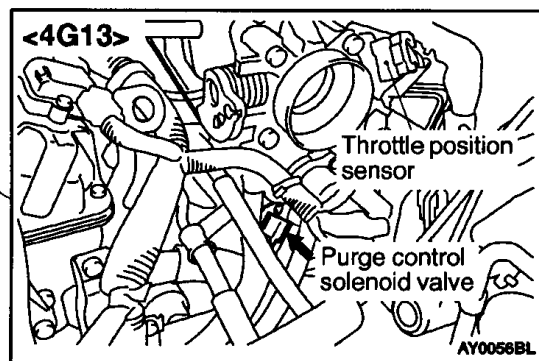
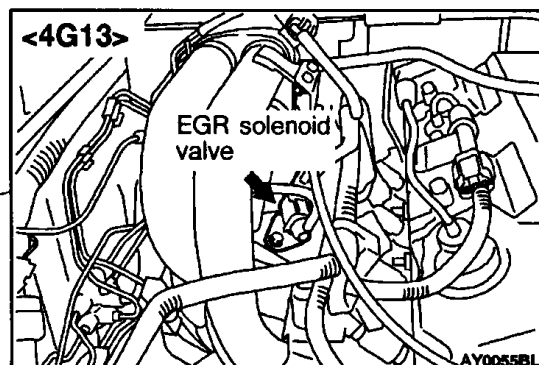




SOLENOID AND SOLENOID VALVE



16M0267



CIRCUIT DIAGRAMS

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CHARGING SYSTEM 4-6

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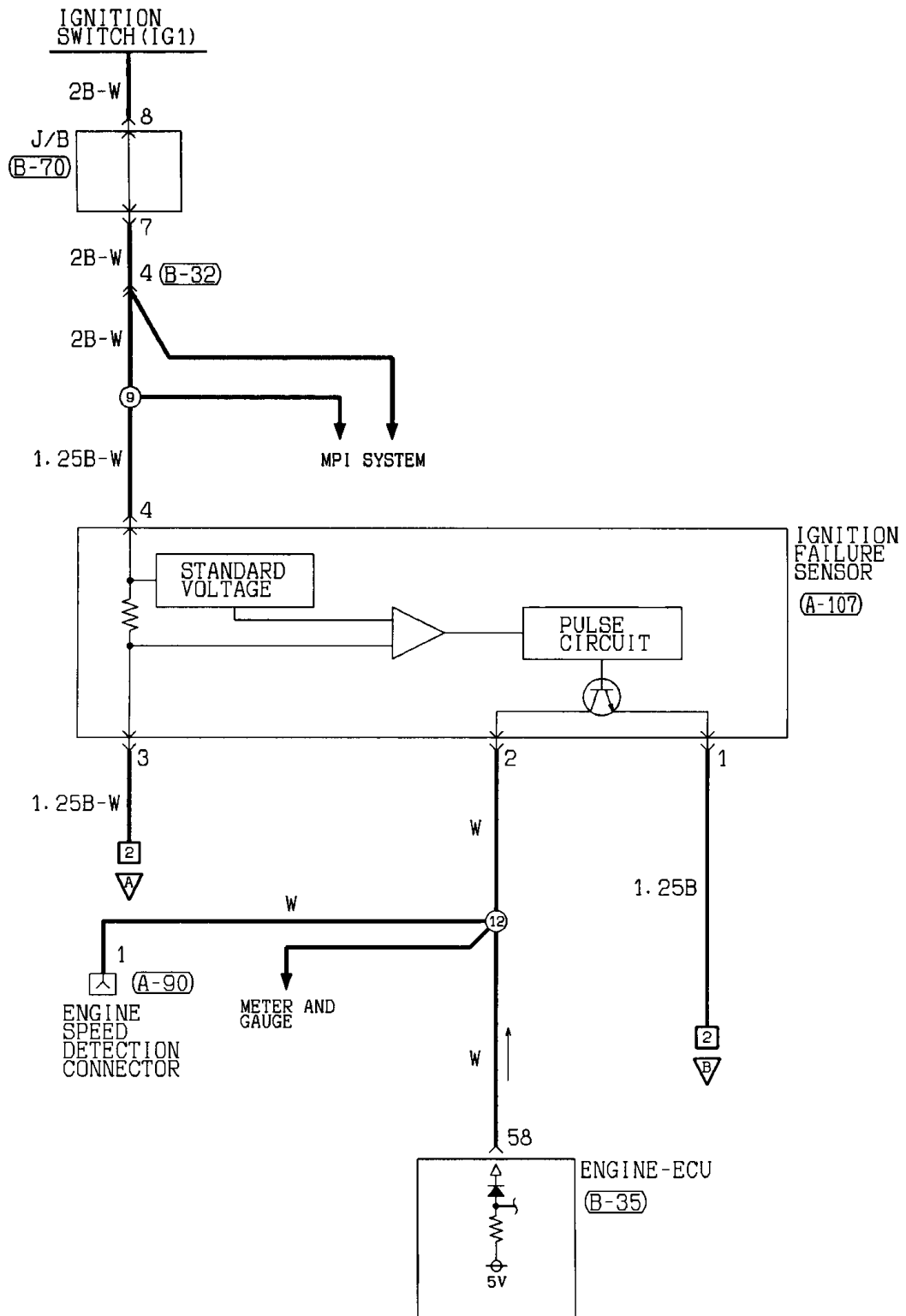
ELC 4-SPEED AUTOMATIC
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IGNITION SYSTEM

4G13

1



(A-73)



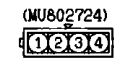
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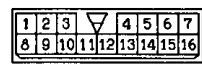
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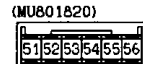
(A-107)



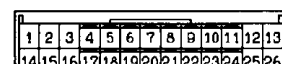
(B-32)



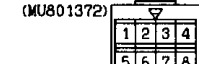
(B-35)



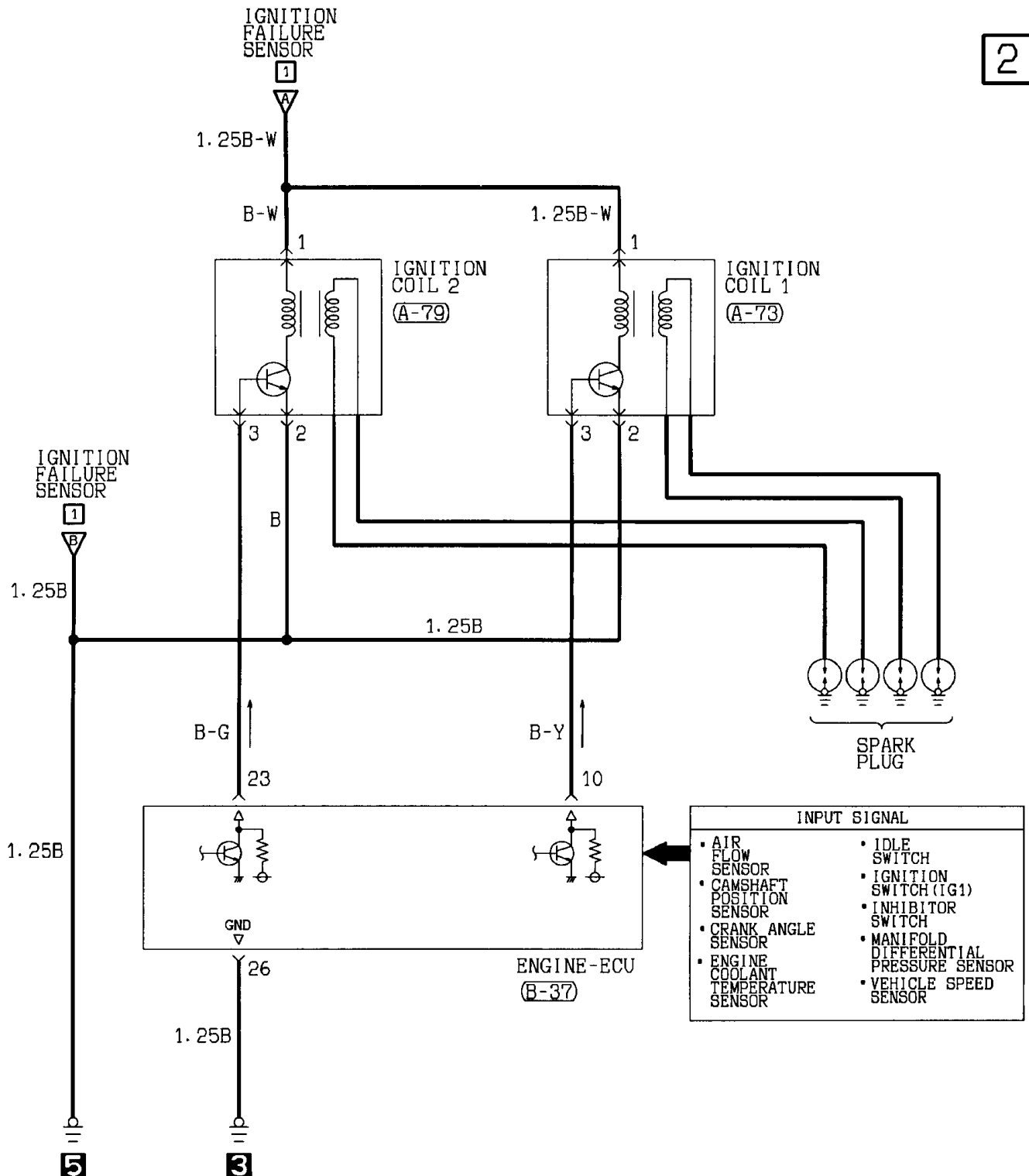
(B-37)



(B-70)



2

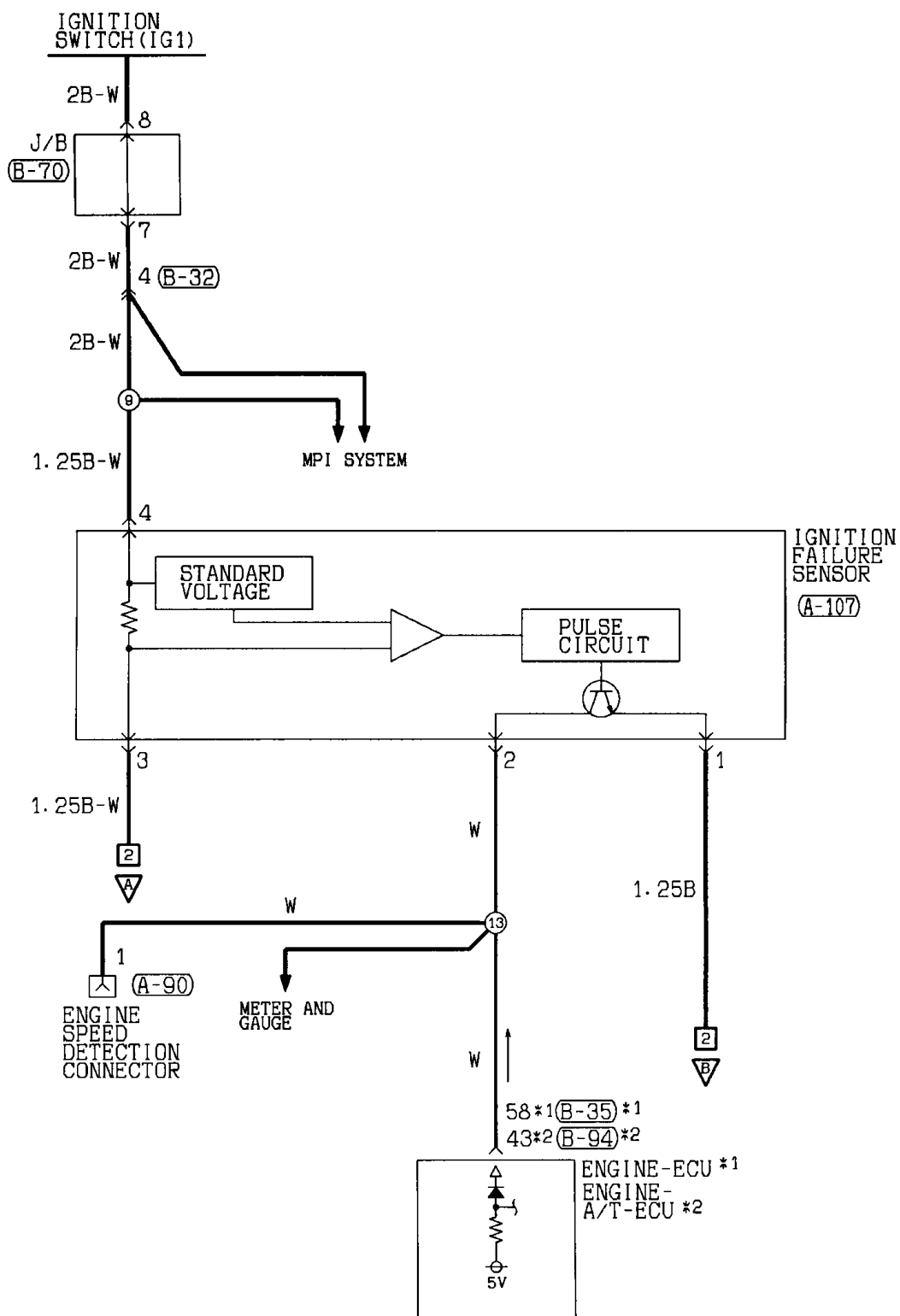


Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

IGNITION SYSTEM

4G92

1



(A-73)

(MU802053)



(A-79)

(MU802053)



(A-90)

1



(A-96)

1



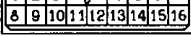
(A-107)

(MU802724)



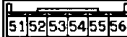
(B-32)

1 2 3 4 5 6 7



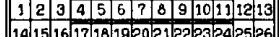
(B-35)

(MU801820)



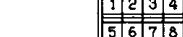
(B-37)

(MU801824)



(B-70)

(MU801372)



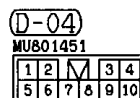
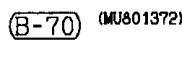
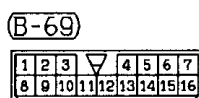
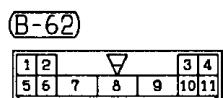
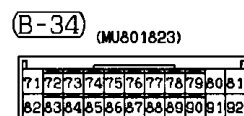
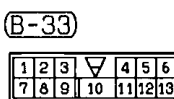
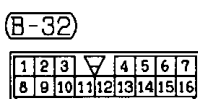
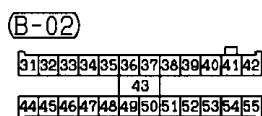
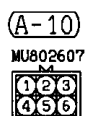
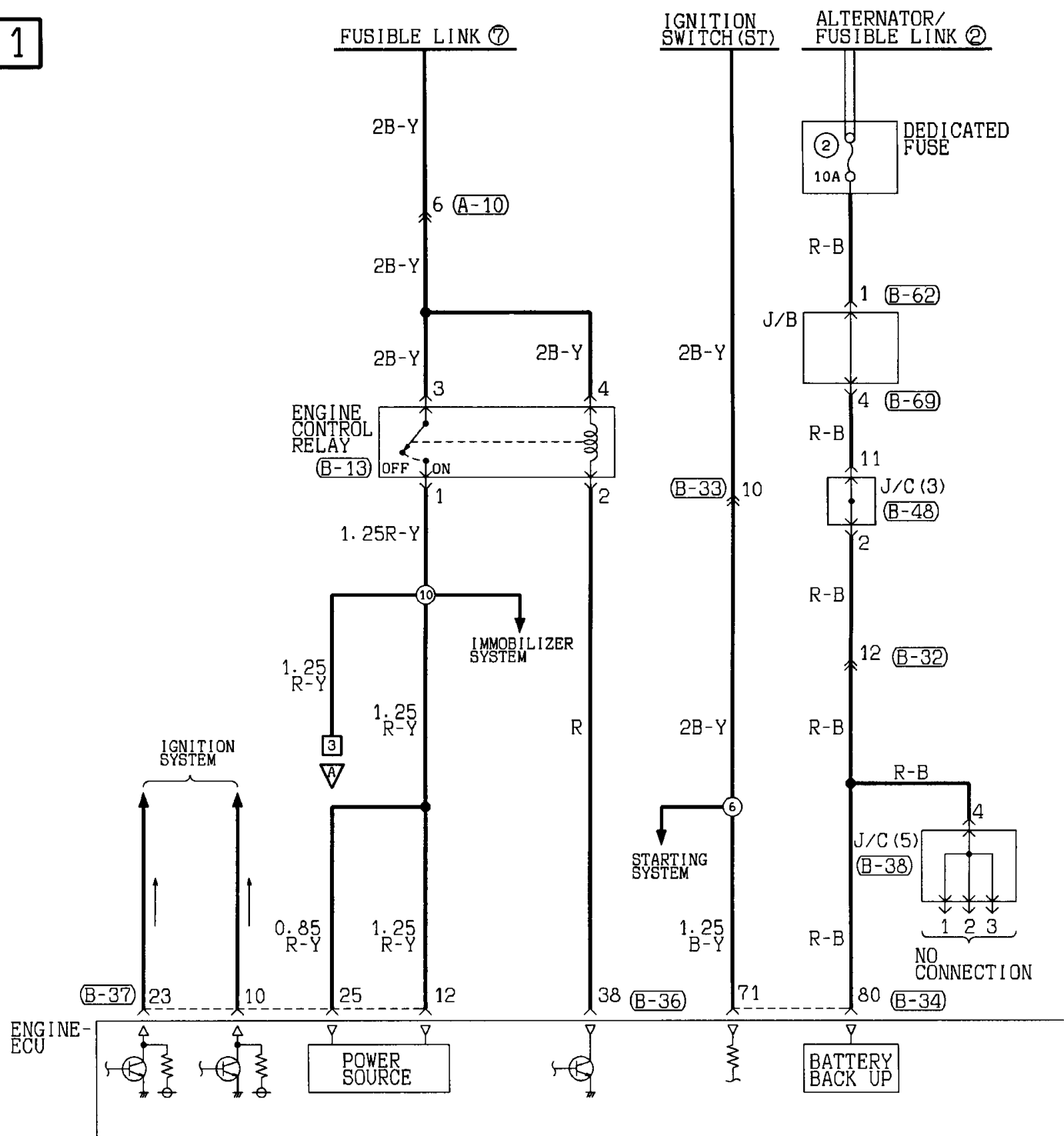


NOTES

MPI SYSTEM

4G13

1



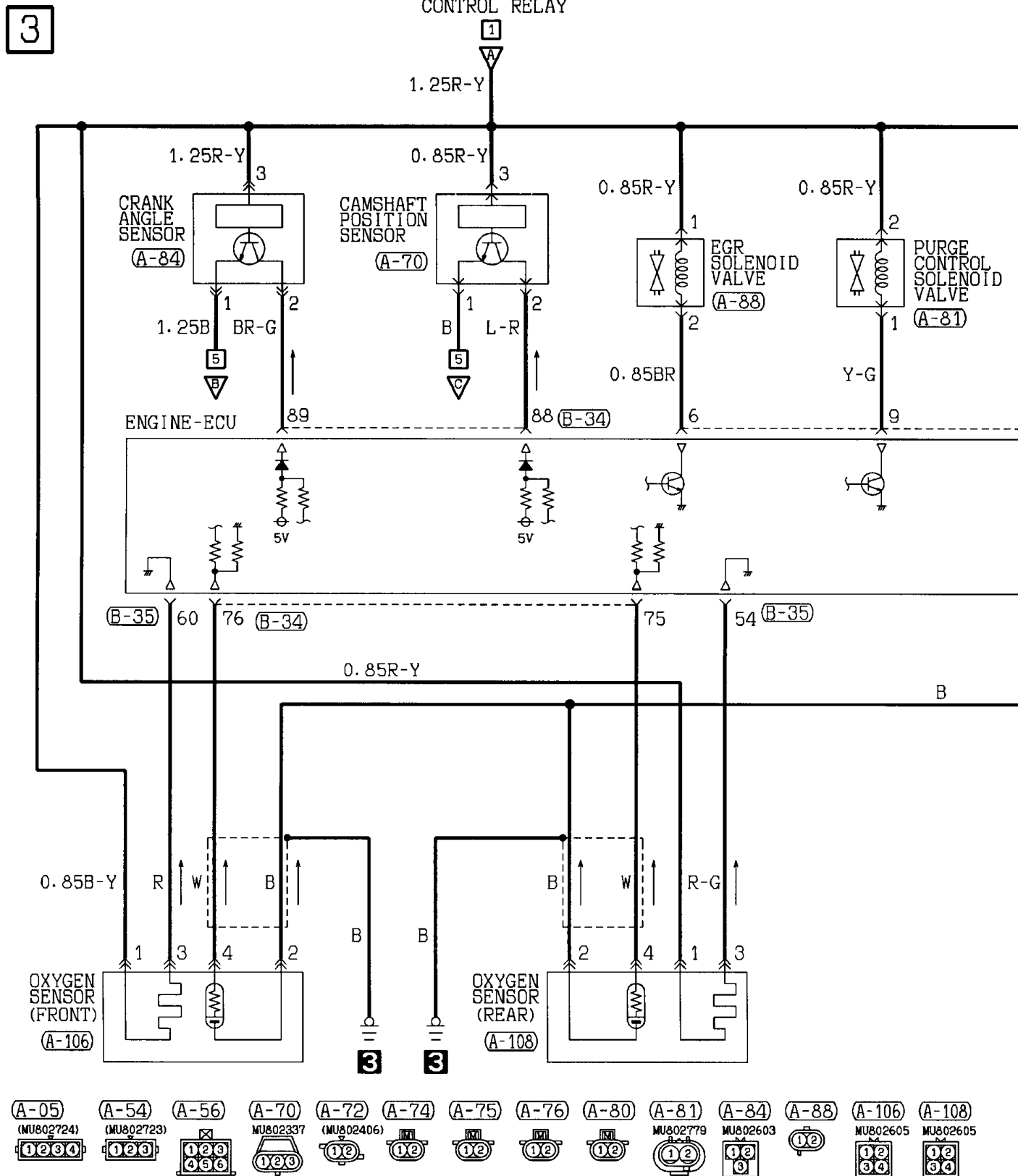


B-48

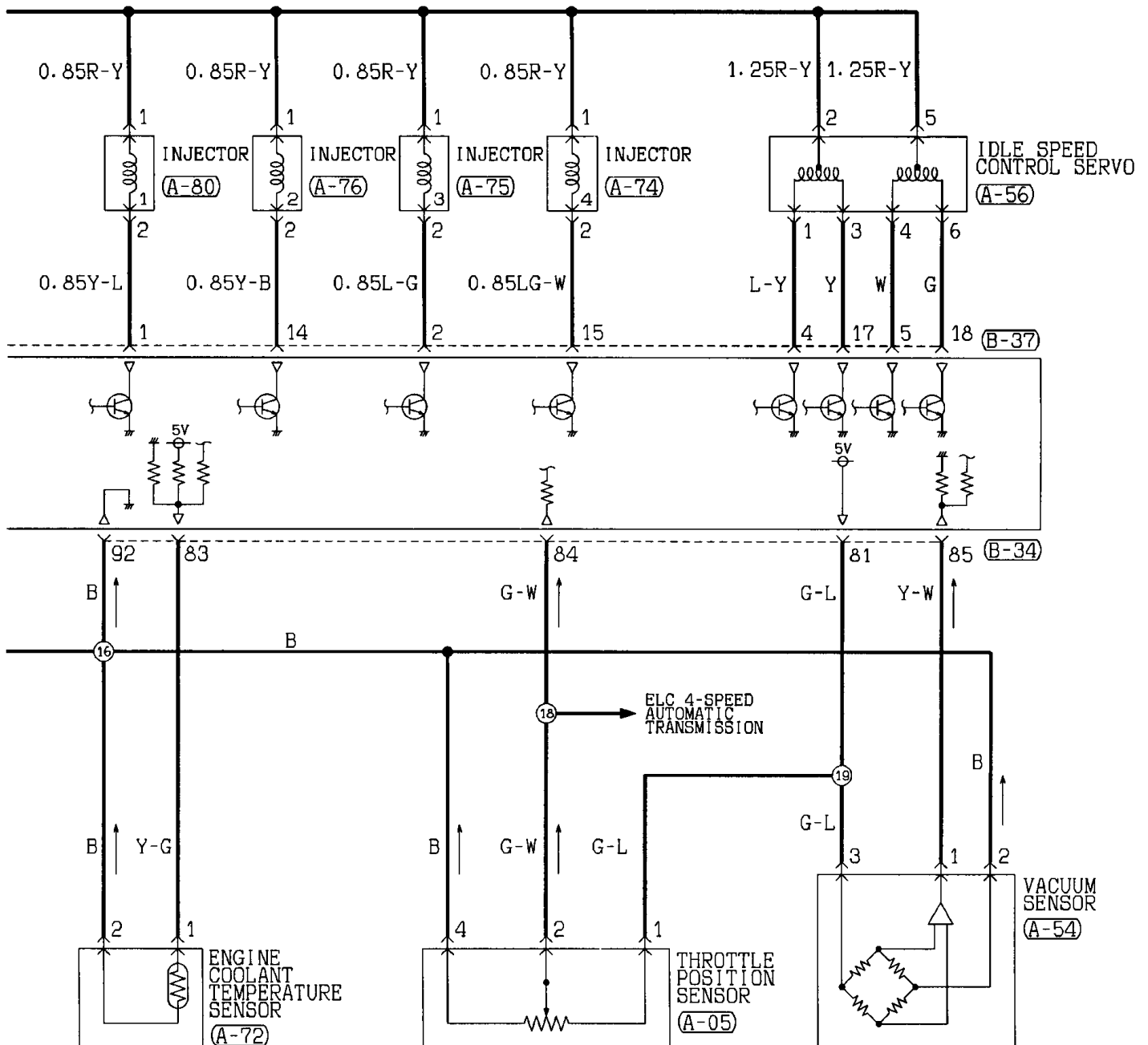
1	2	3	▽	4	5	6	
7	8	9	10	11	12	13	14

SB: Sky blue

MPI SYSTEM <4G13> (CONTINUED)



4



(B-34) (MU801823)

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

(B-35)

(MU801820)

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

(B-37) (MU801824)

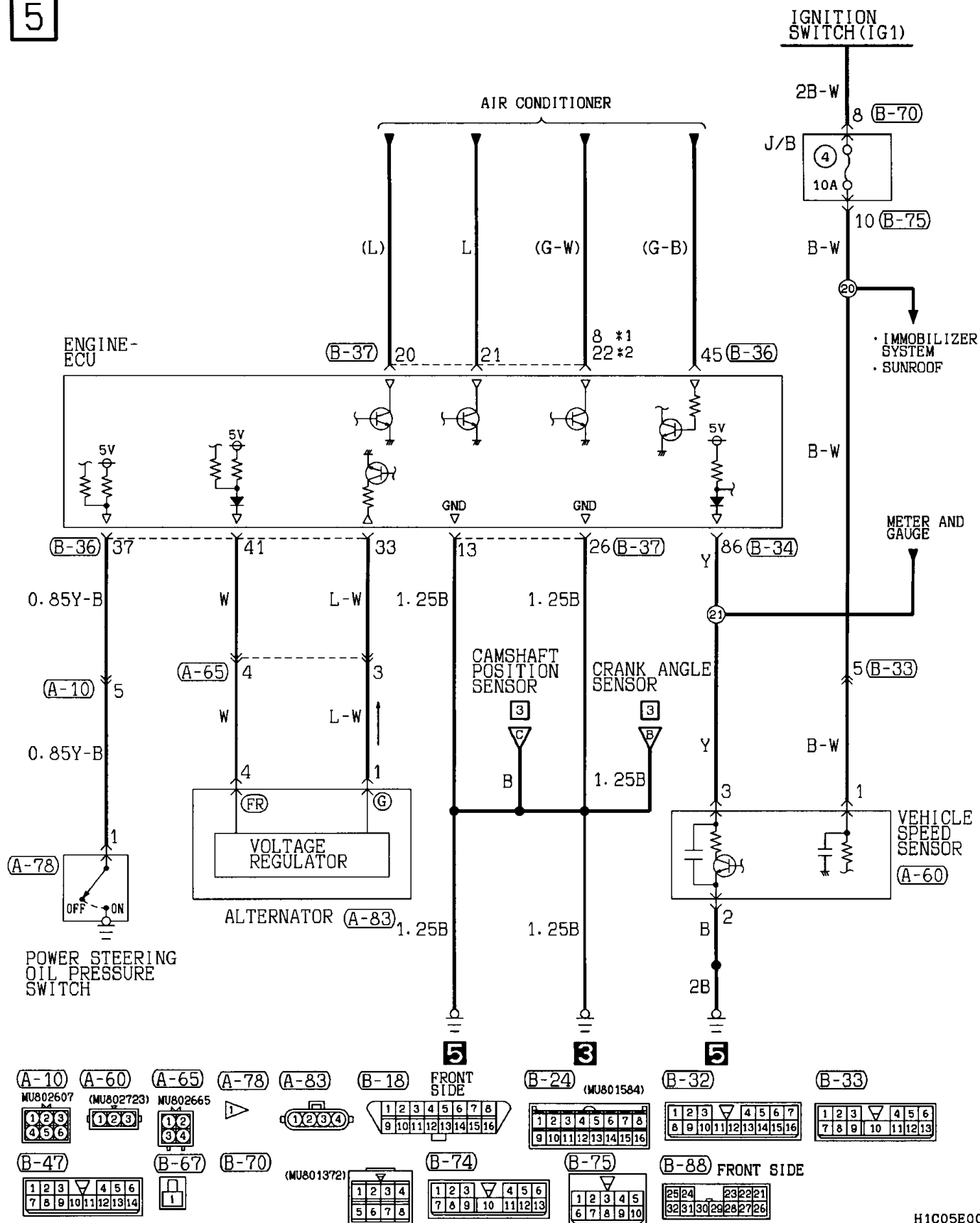
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

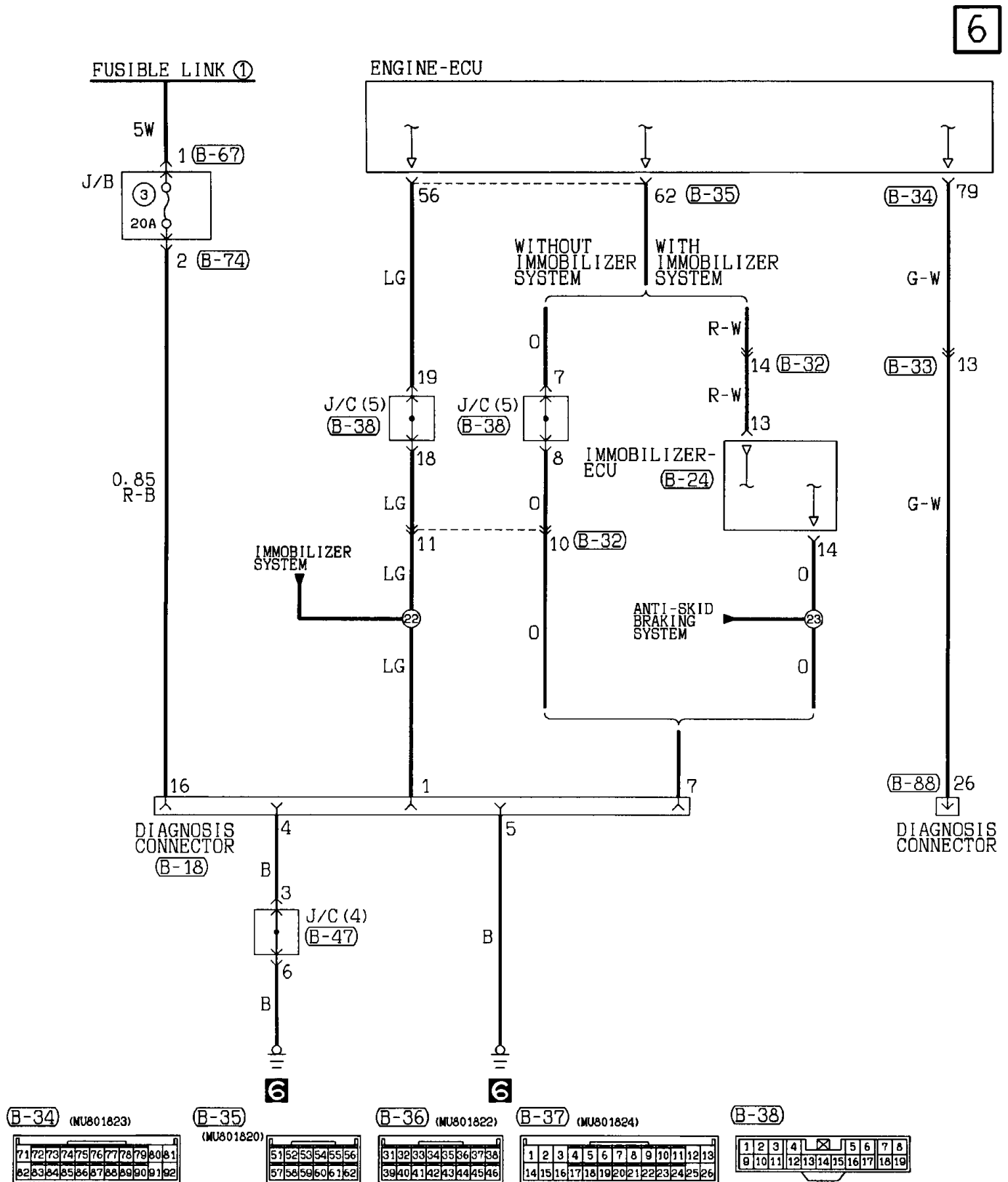
Wire colour code

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

MPI SYSTEM <4G13> (CONTINUED)

5

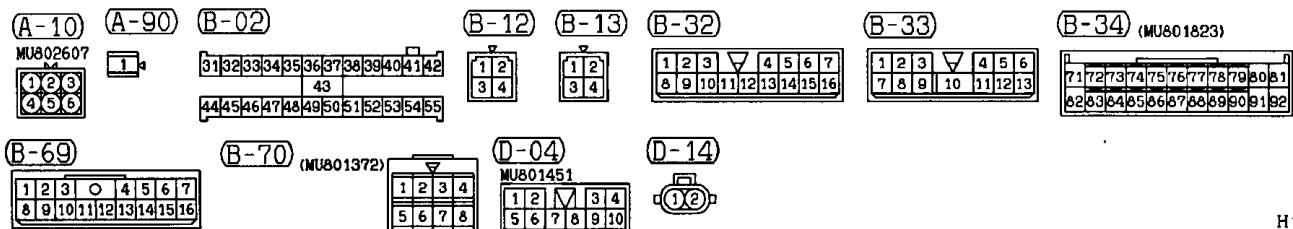




Wire colour code

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

4G92-M/T





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

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

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

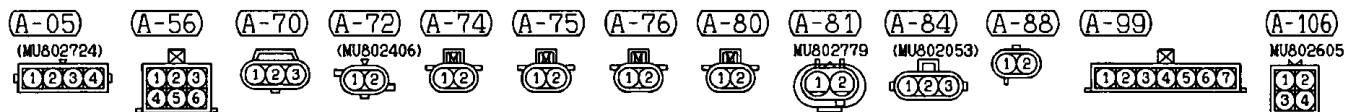
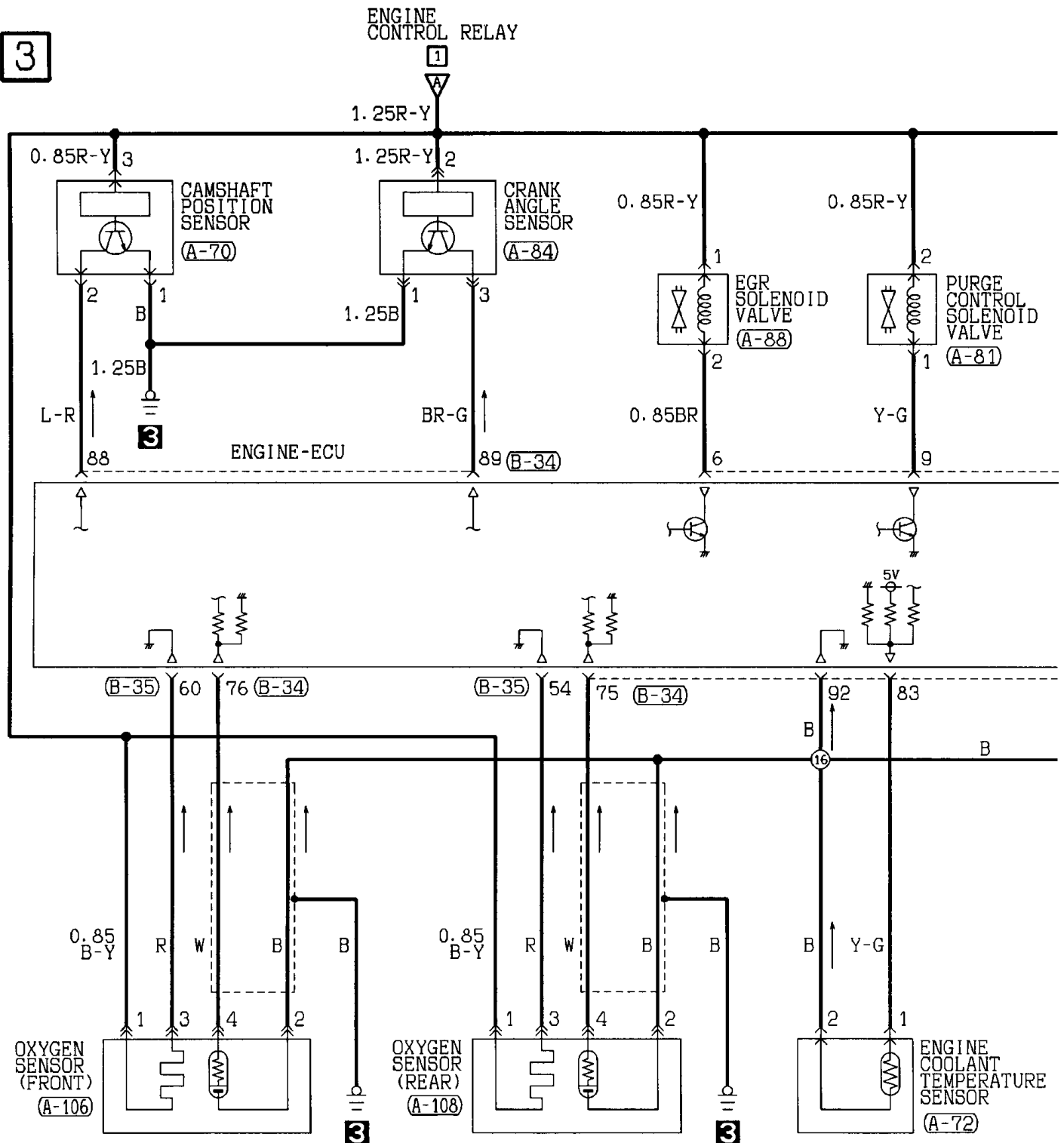
1	2	3	4		☒	5	6	7	8
9	10	11	12	13	14	15	16	17	18

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

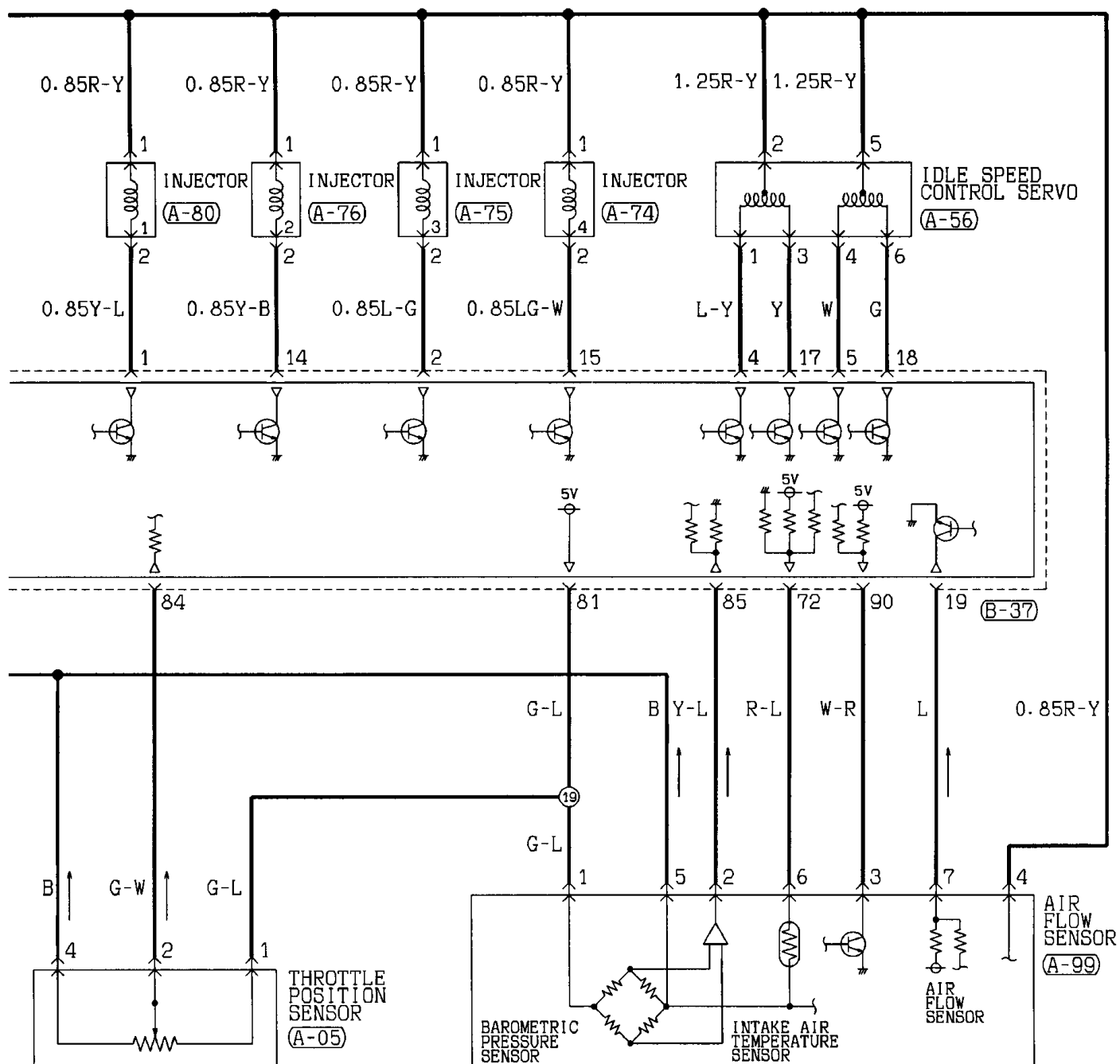
1	2					3	4
5	6	7	8	9	10	11	

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

MPI SYSTEM <4G92-M/T> (CONTINUED)



4



(A-108)

MU802605

1	2
3	4

(B-34)

(MU801823)

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

(B-35)

(MU801820)

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

(B-37)

(MU801824)

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

Wire colour code

B : Black LG: Light green

G : Green

L : Blue

W : White

Y : Yellow

SB: Sky blue

BR: Brown O : Orange

GR: Gray

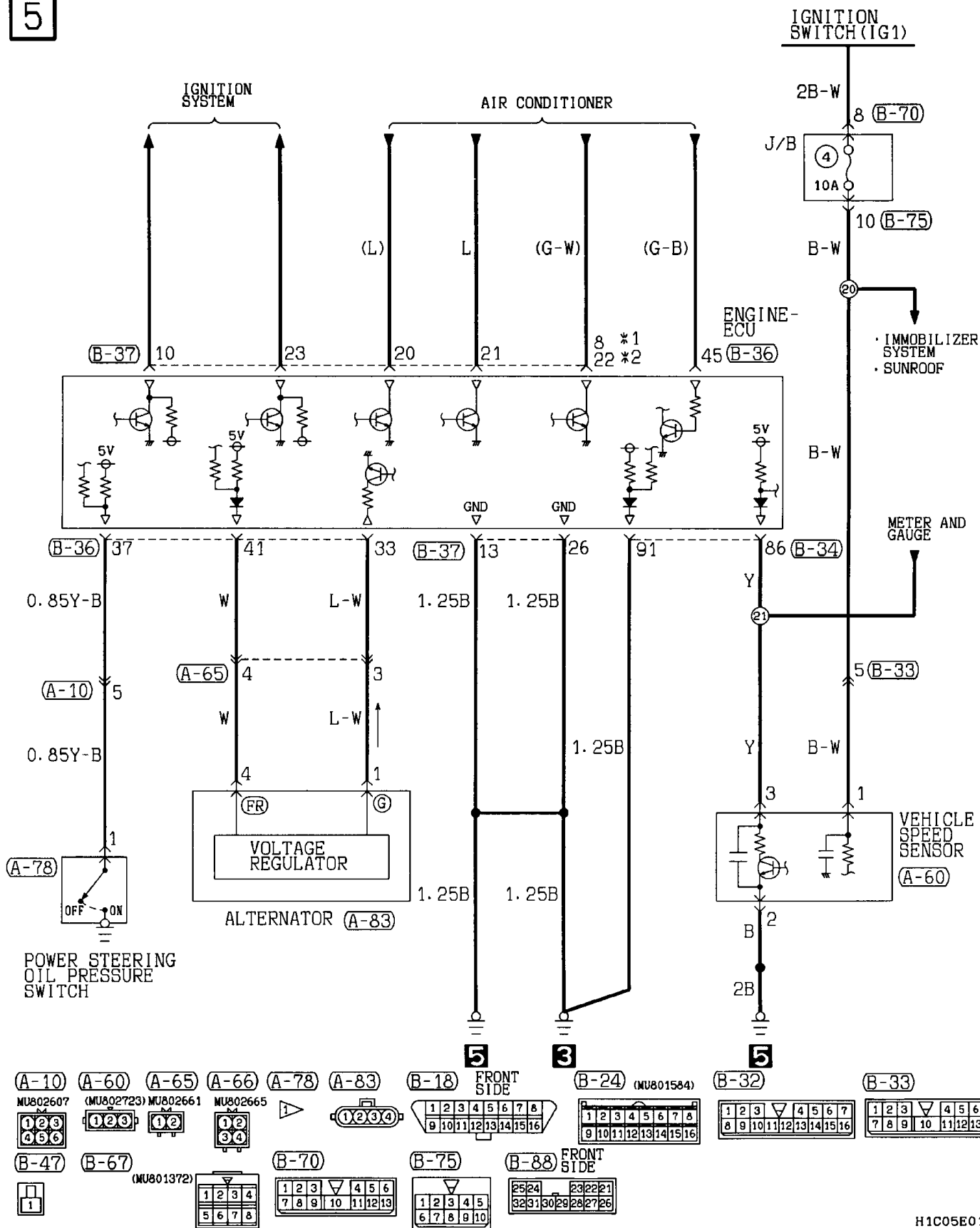
R : Red

P : Pink

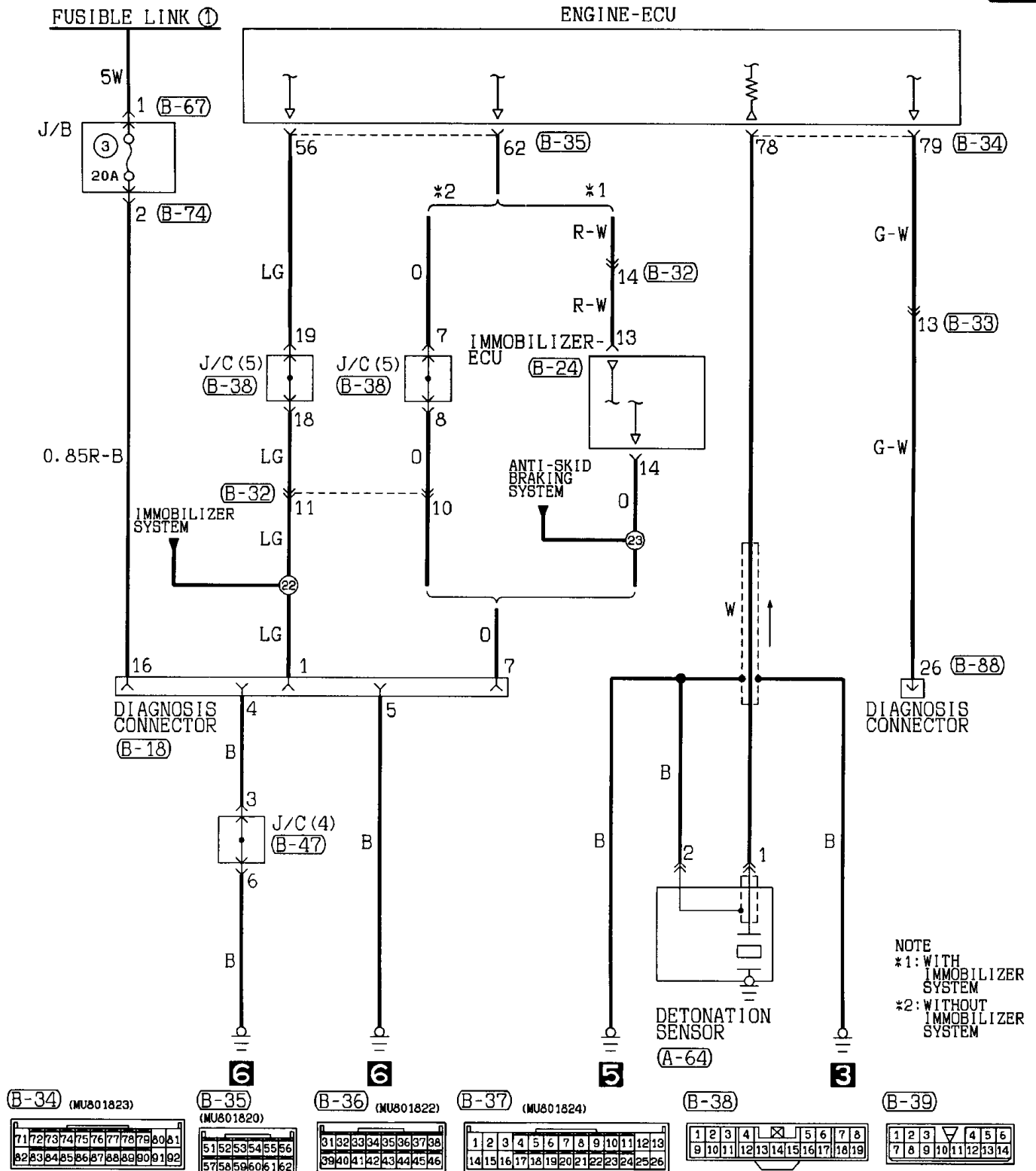
V : Violet

MPI SYSTEM <4G92-M/T> (CONTINUED)

5

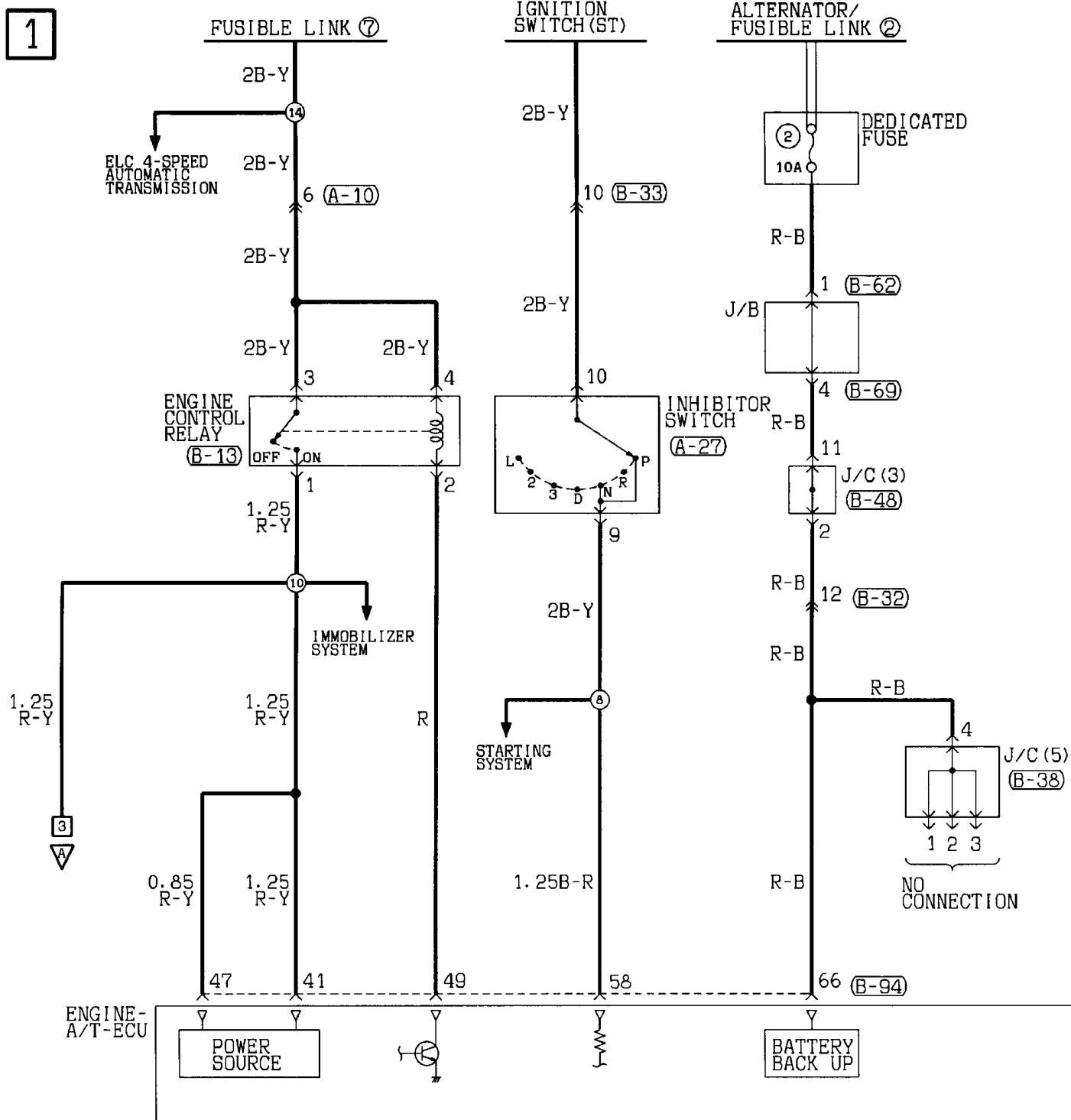


6



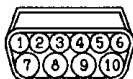
MPI SYSTEM

4G92-A/T



(A-10) (A-27)

MU802607 MU802355



(A-90) (A-96)



(B-02)

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

(B-12) (B-13)



(B-32)

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

(B-33)

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

(B-93) (MU803782)

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

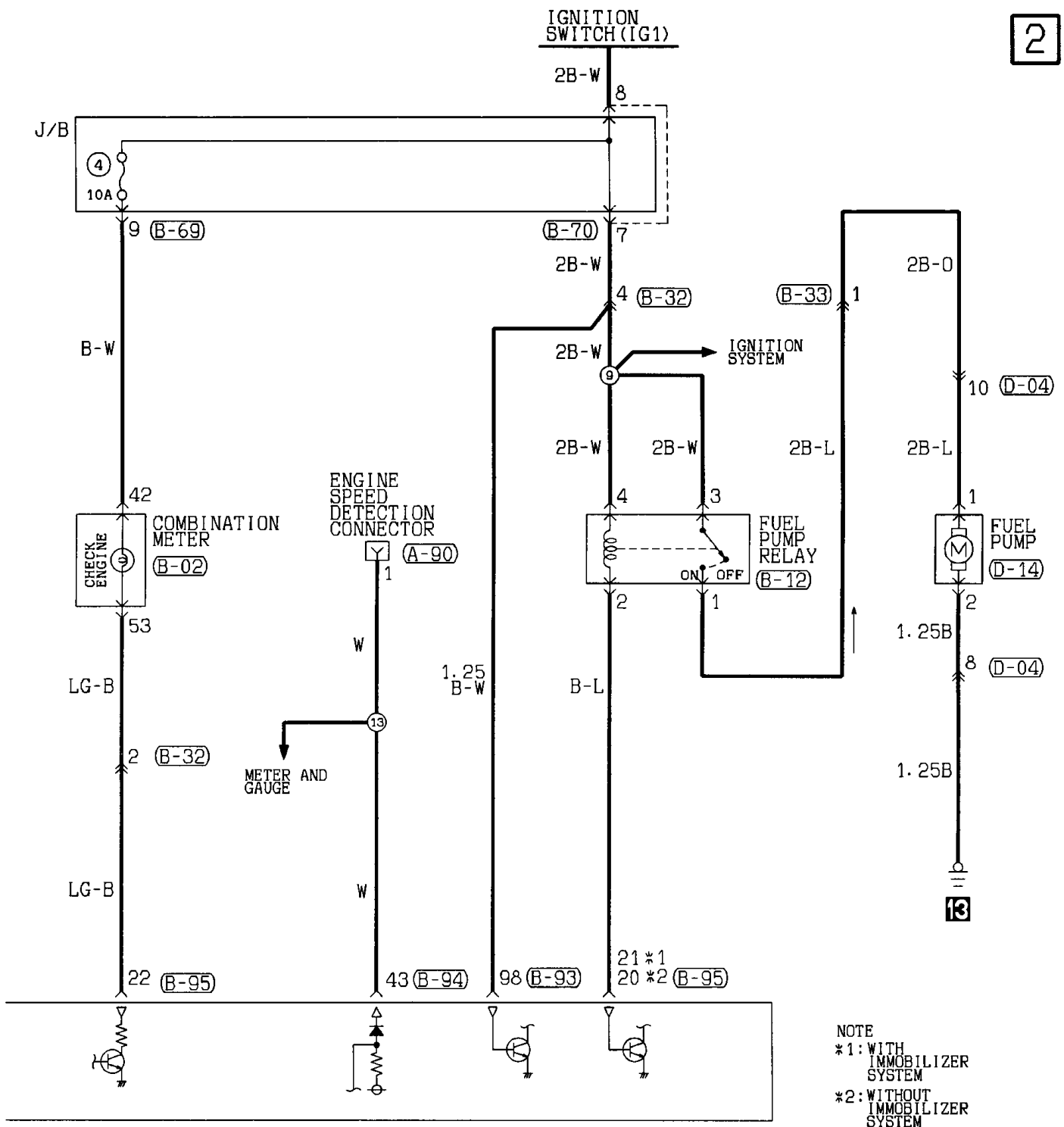
(B-94) (MU803781)

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

(B-95) (MU803784)

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								

2



(B-38)

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

(B-48)

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

(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-69)

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

(B-70)

(MU801372)

1	2	3	4
5	6	7	8

(D-04)

1	2	3	4
5	6	7	8
9	10		

(D-14)

1	2

Wire colour code

B : Black LG: Light green

G : Green

L : Blue

W : White

Y : Yellow

SB: Sky blue

BR: Brown O : Orange

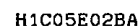
GR: Gray

R : Red

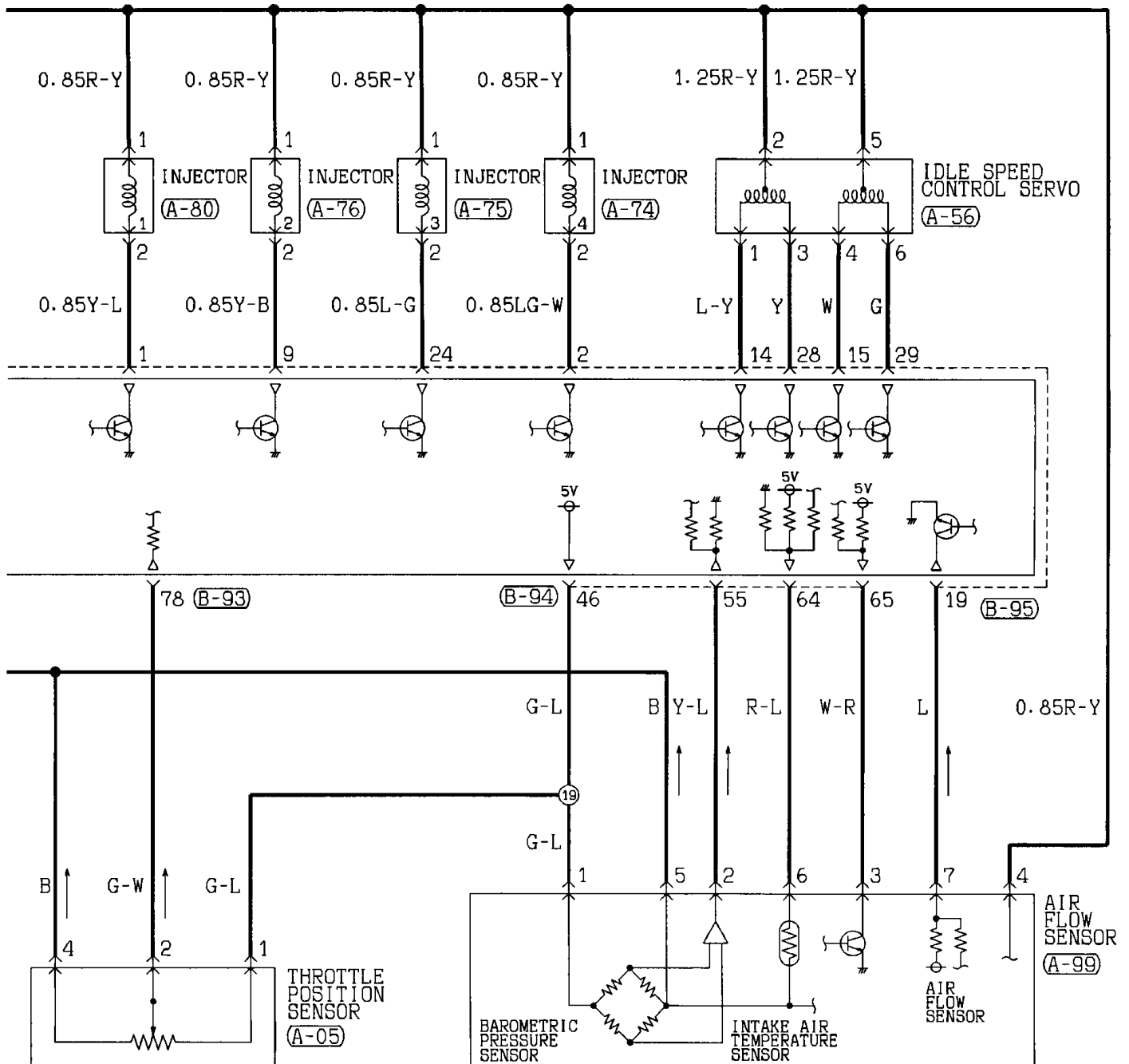
P : Pink

V : Violet

3



4



(A-108)

1	2
3	4

(B-93)

(MU803782)

71	72	73	74	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-94)

(MU803781)

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-95)

(MU803784)

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

Wire colour code

B:Black LG:Light green

G:Green

L:Blue

W:White

Y:Yellow

SB:Sky blue

BR:Brown

O:Orange

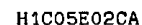
GR:Gray

R:Red

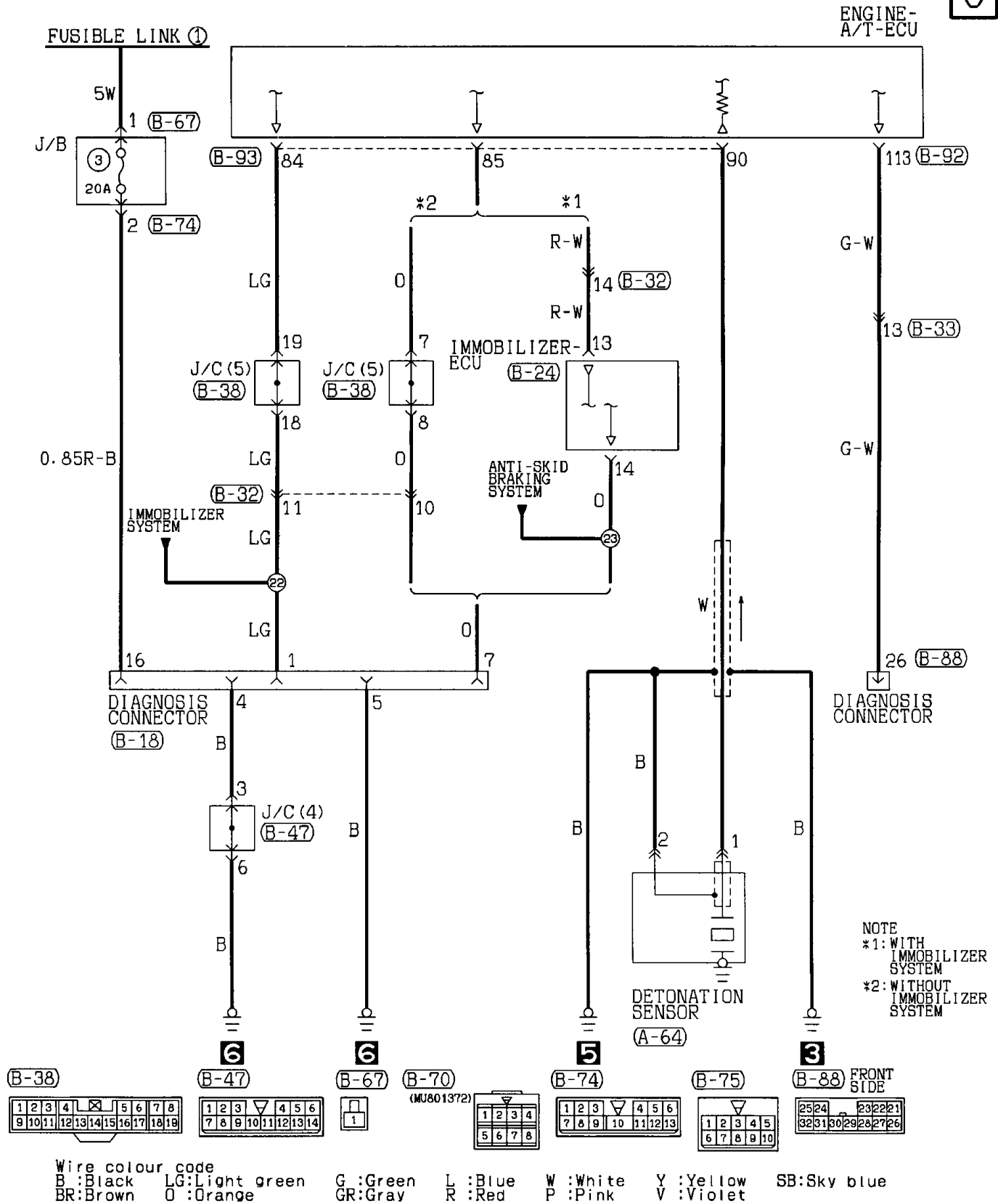
P:Pink

V:Violet

5

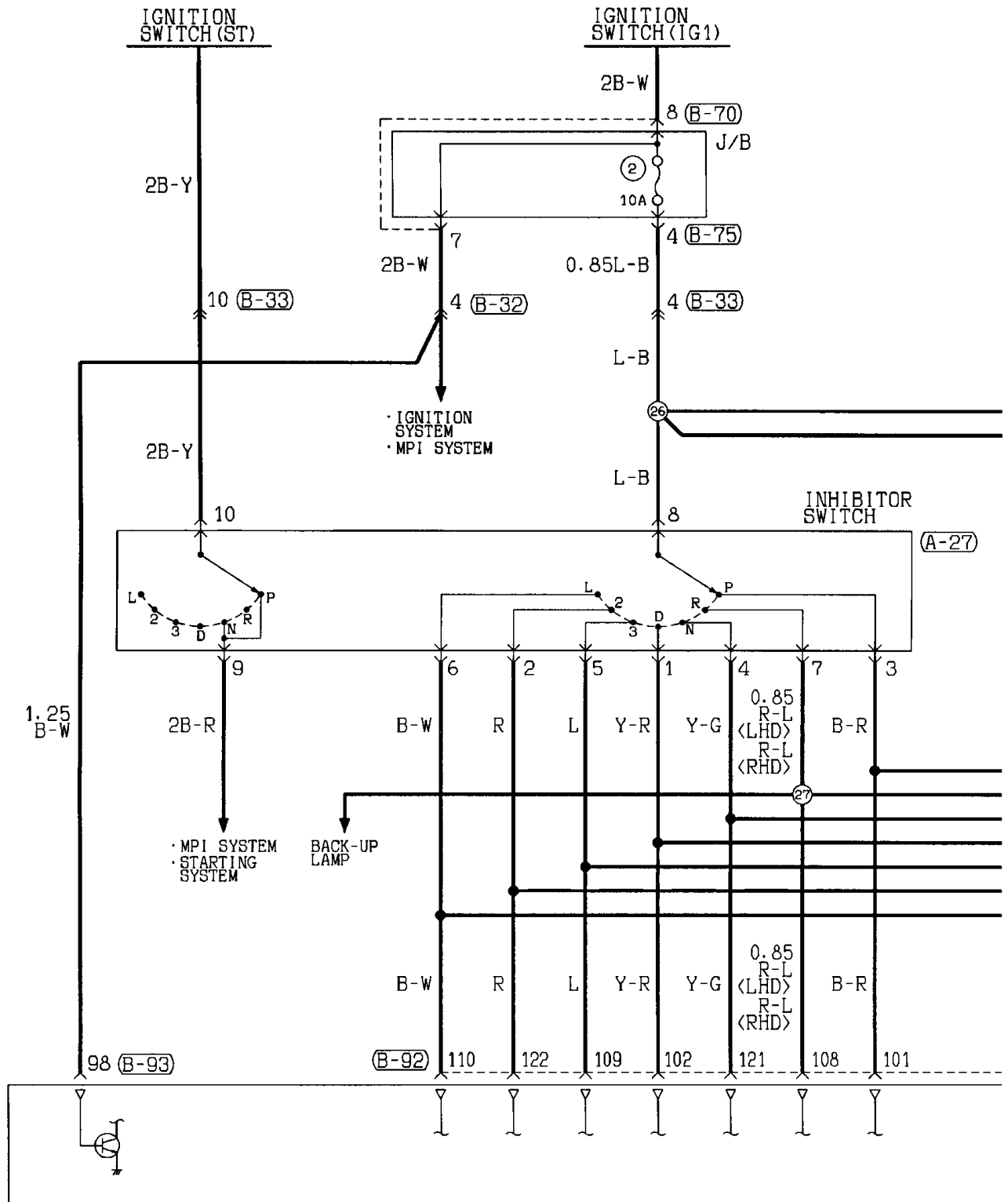
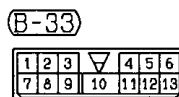
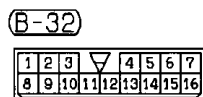
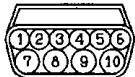
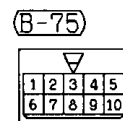


6

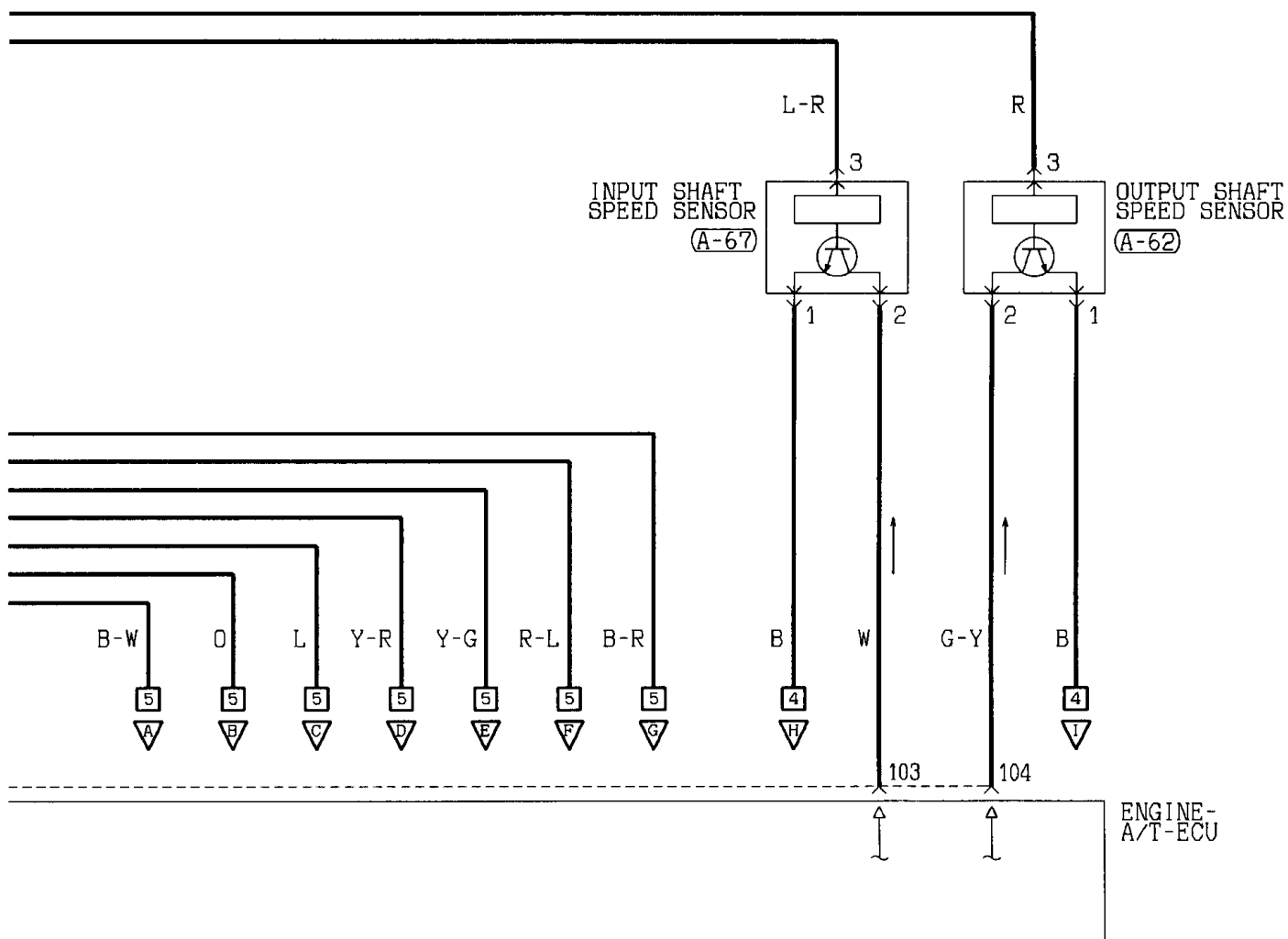


ELC 4-SPEED AUTOMATIC TRANSMISSION

1

(A-27)
MU802355(B-70)
(MU801372)

2



B-92 (MU803783)

101	102	103	104			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								

B-93 (MU803782)

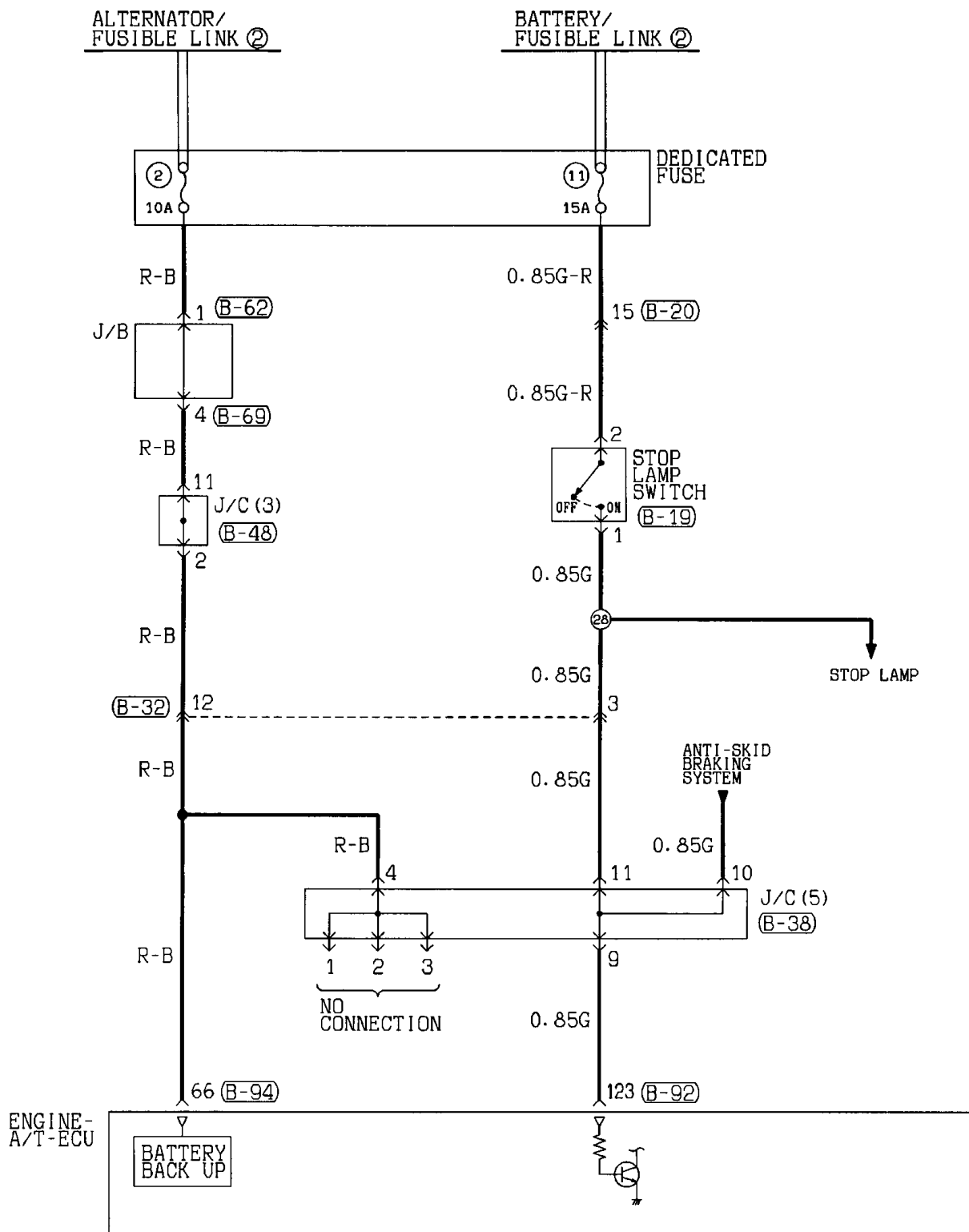
71	72	73	74			75	76	77
78	79	80	81	82	83	84	85	86
87	88	89						
90	91	92	93	94	95	96	97	98

Wire colour code

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

ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)

3

A-10
MU802607

A-22 (MU802362)

A-22-1

A-22-2

A-22-3

A-22-4

A-22-5

A-22-6

B-09

B-19

B-20

MU801457

B-92 (MU803783)

B-93 (MU803782)

B-94 (MU803781)

MU802333

MU801457

1 2 3
4 5 61 2 3 4 5 6
7 8 9 10

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

1 2

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

103 102 103 104

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

71 72 73 74 75 76 77

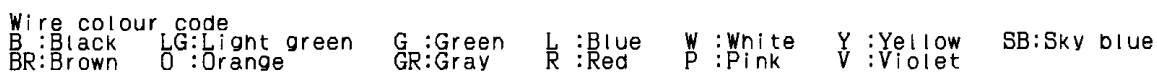
78 79 80 81 82 83 84 85 86 87 88 89

90 91 92 93 94 95 96 97 98

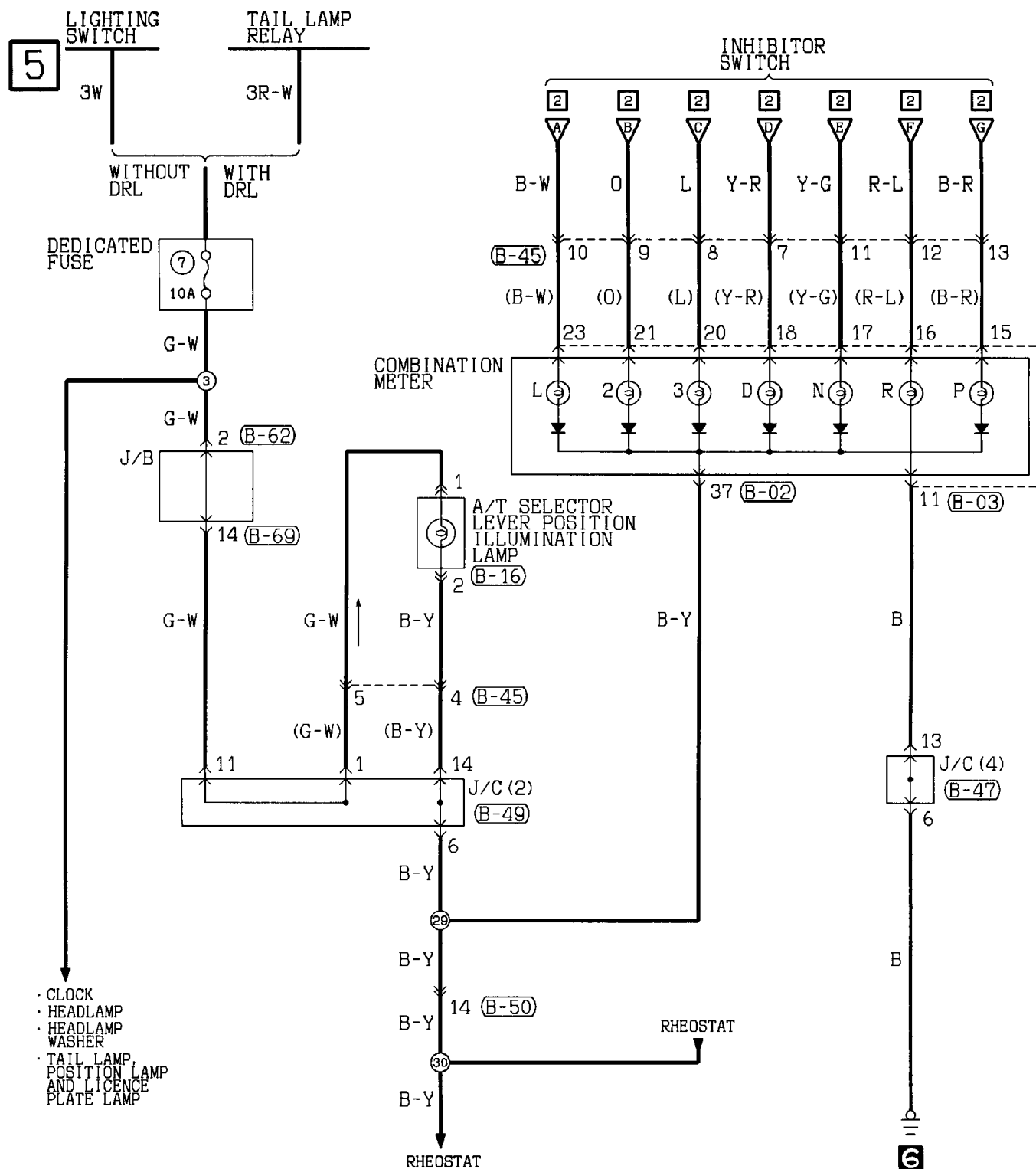
41 42 43 44 45 46

47 48 49 50 51 52 53 54 55 56 57

58 59 60 61 62 63 64 65 66



ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)



(A-60) (MU802723)

1	2	3
4	5	6
7	8	9

(B-02)

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

(B-03)

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

(B-16) (MU801441)

1	2
---	---

(B-17)

1	2
---	---

(B-33)

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

(B-38)

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

(B-69)

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

(B-70) (MU801372)

1	2	3	4
5	6	7	8

(B-75)

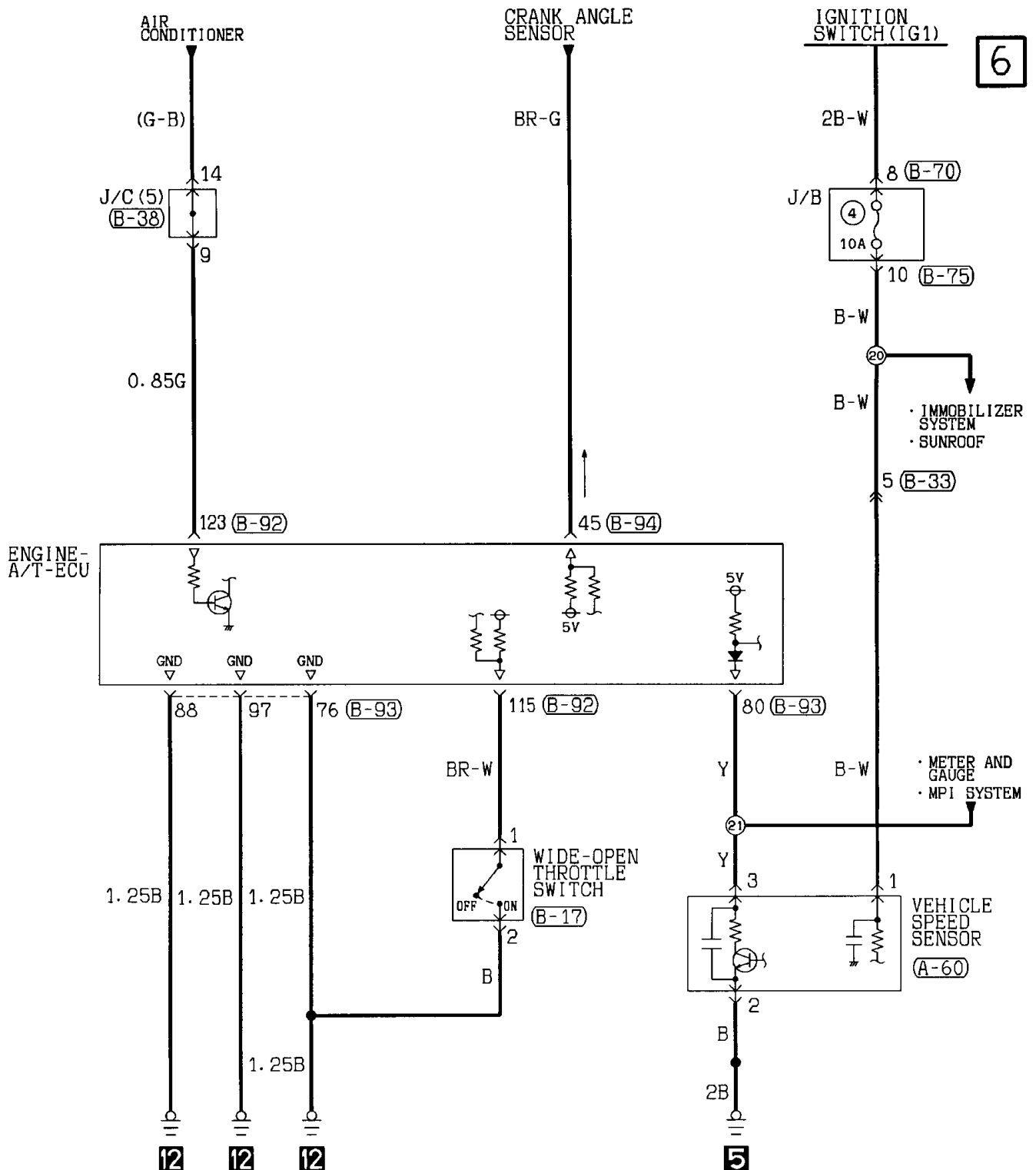
1	2	3	4	5
6	7	8	9	10

(B-92) (MU803783)

101	102	103	104	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			

(B-93) (MU803782)

71	72	73	74	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-45)

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

(B-47)

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-50)

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

MU801461 (RHD)

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

(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-94) (MU803781)

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				

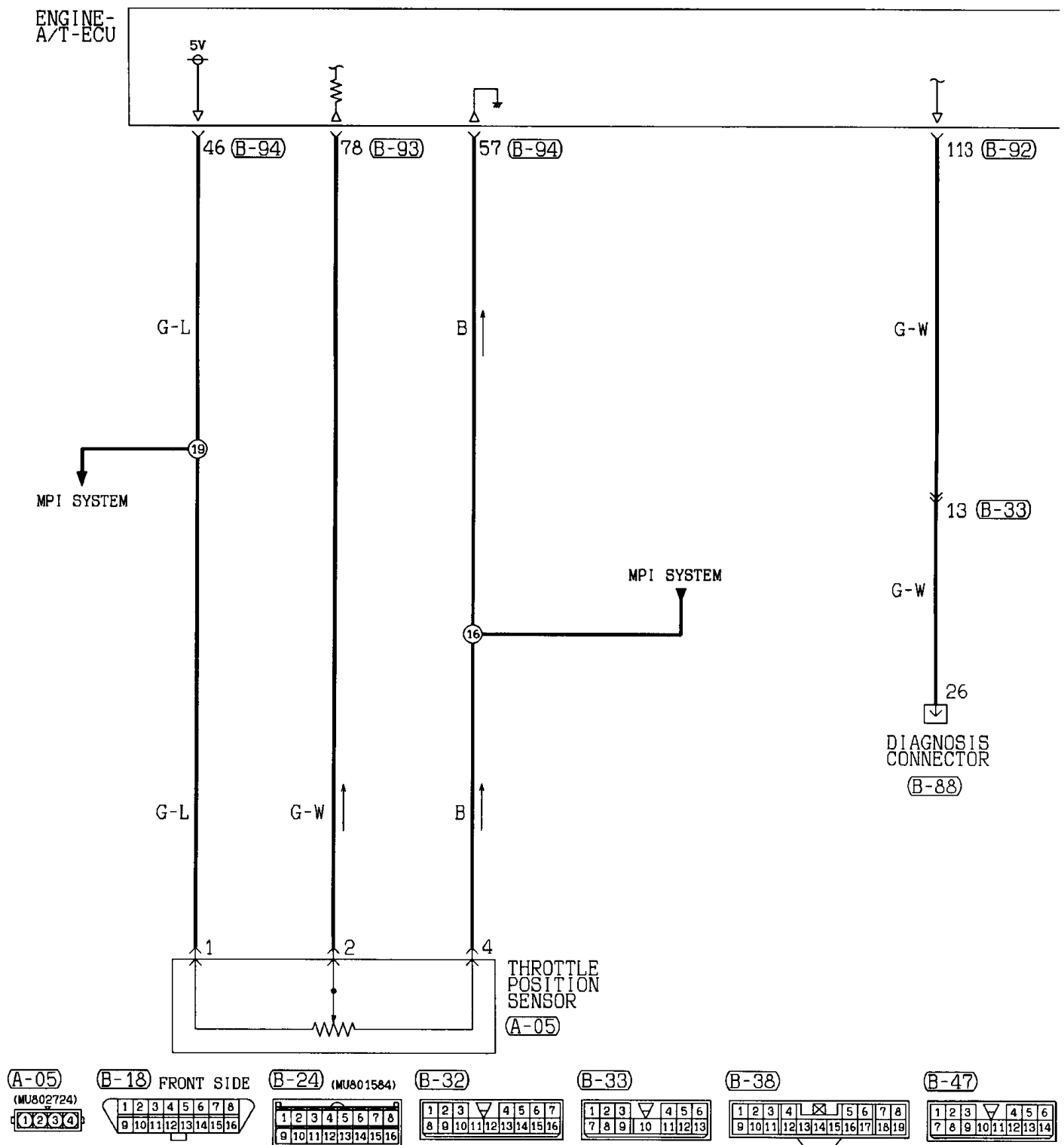
Wire colour code
 B : Black
 BR : Brown
 W : White
 V : Violet

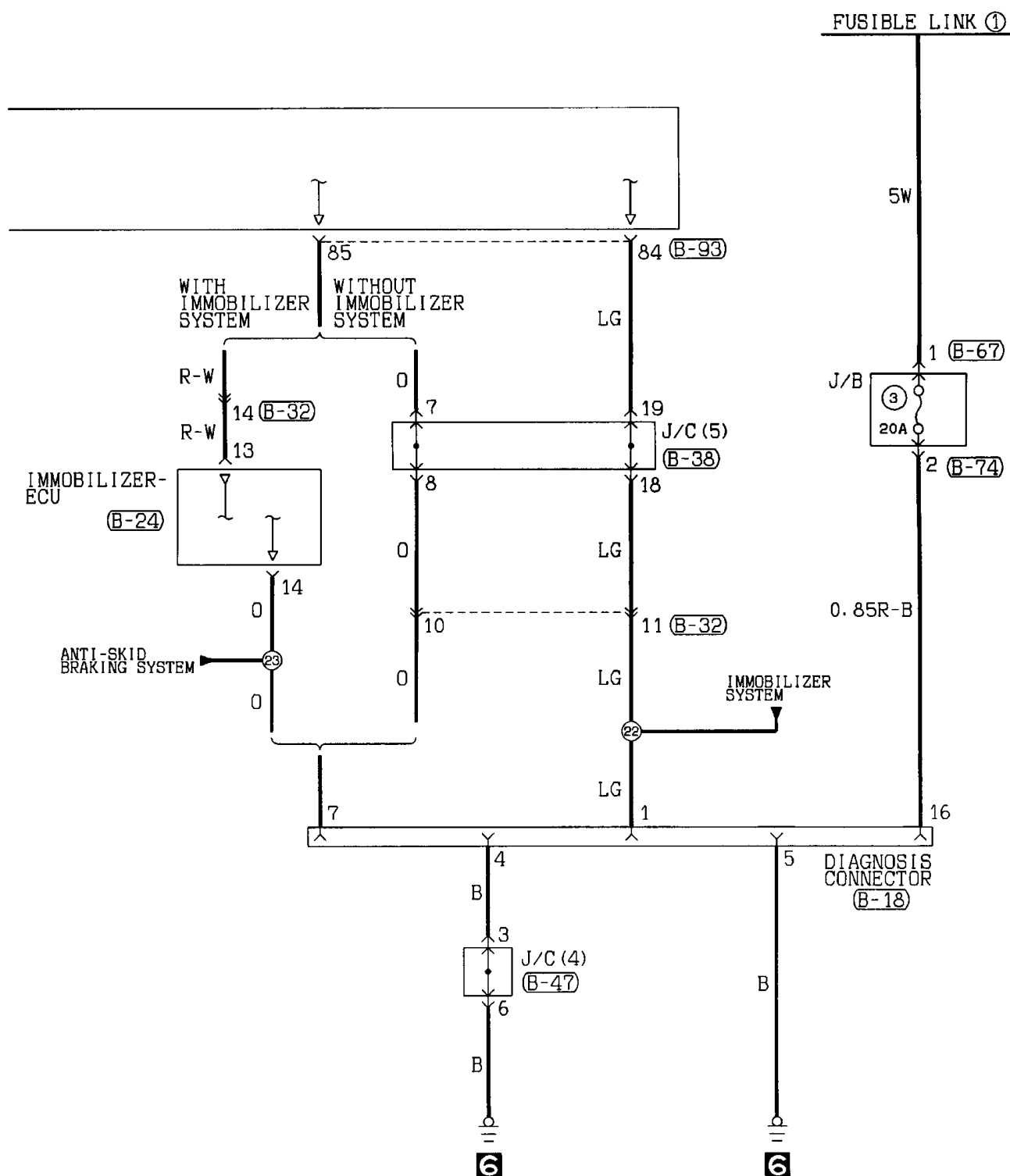
LG : Light green
 O : Orange
 SB : Sky blue

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

ELC 4-SPEED AUTOMATIC TRANSMISSION (CONTINUED)

7





(B-67)

(B-74)

(B-88) FRONT SIDE

(B-92) (MU803783)

(B-93) (MU803782)

(B-94) (MU803781)

1

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

25	24	23	22	21
32	31	30	29	28

101	102	103	104	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					

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

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				

Wire colour code

B : Black LG : Light green

G : Green GR : Gray

L : Blue R : Red

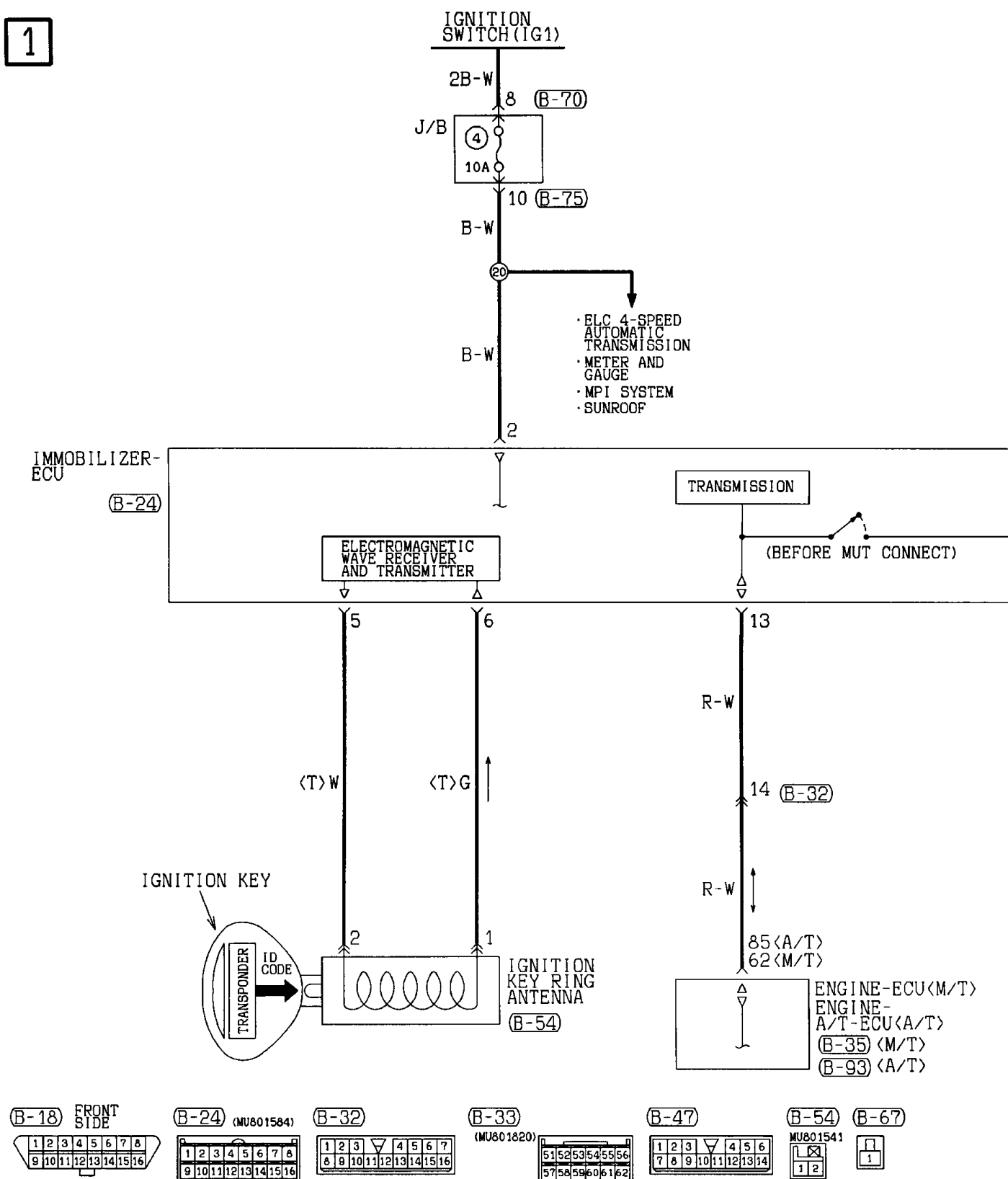
W : White P : Pink

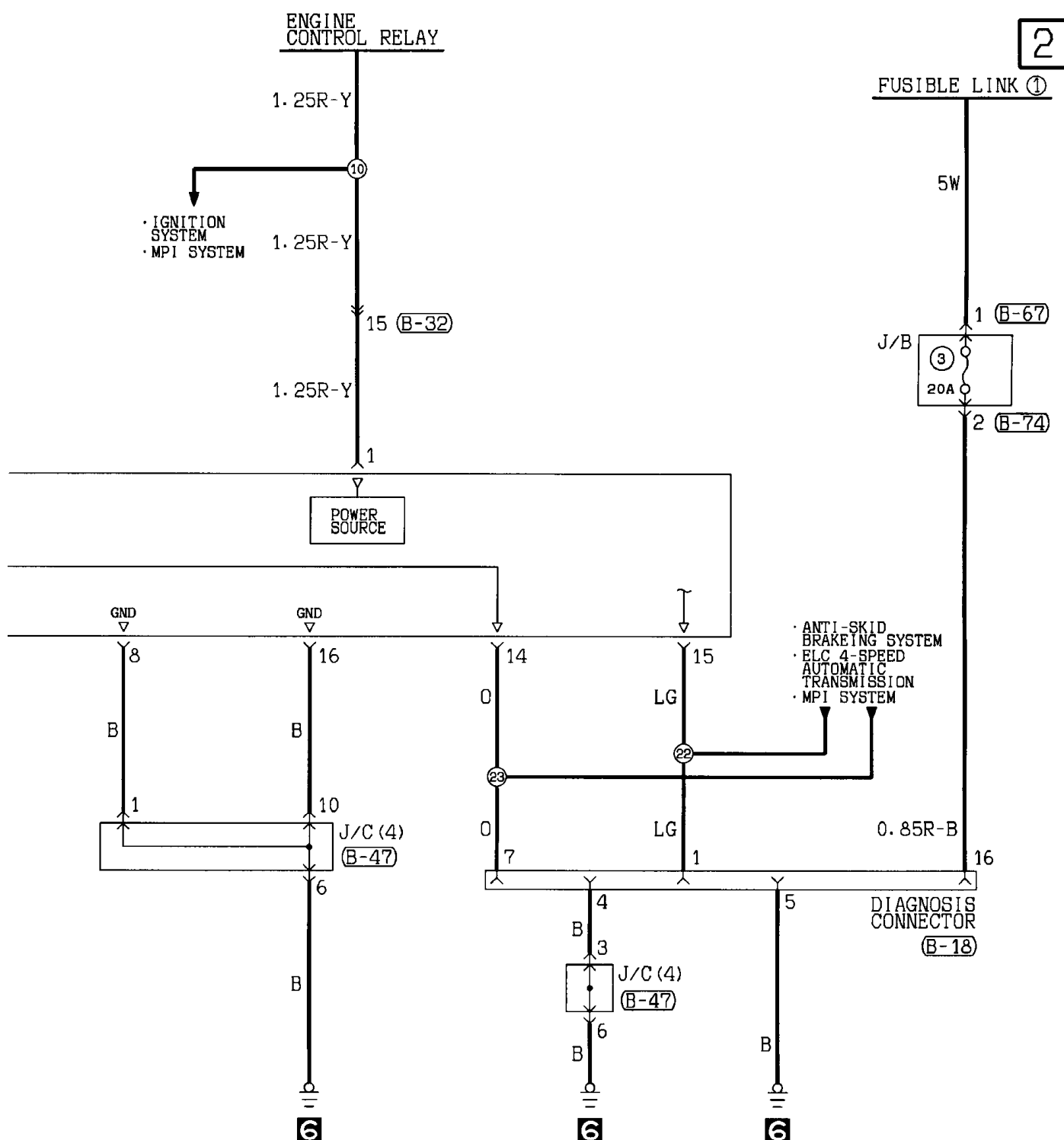
Y : Yellow V : Violet

SB : Sky blue

IMMOBILIZER SYSTEM

1





(B-70)
(MU801372)

1	2	3	4
5	6	7	8

(B-74)

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

(B-75)

1	2	3	4	5
6	7	8	9	10

(B-93) (MU803782)

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

Wire colour code

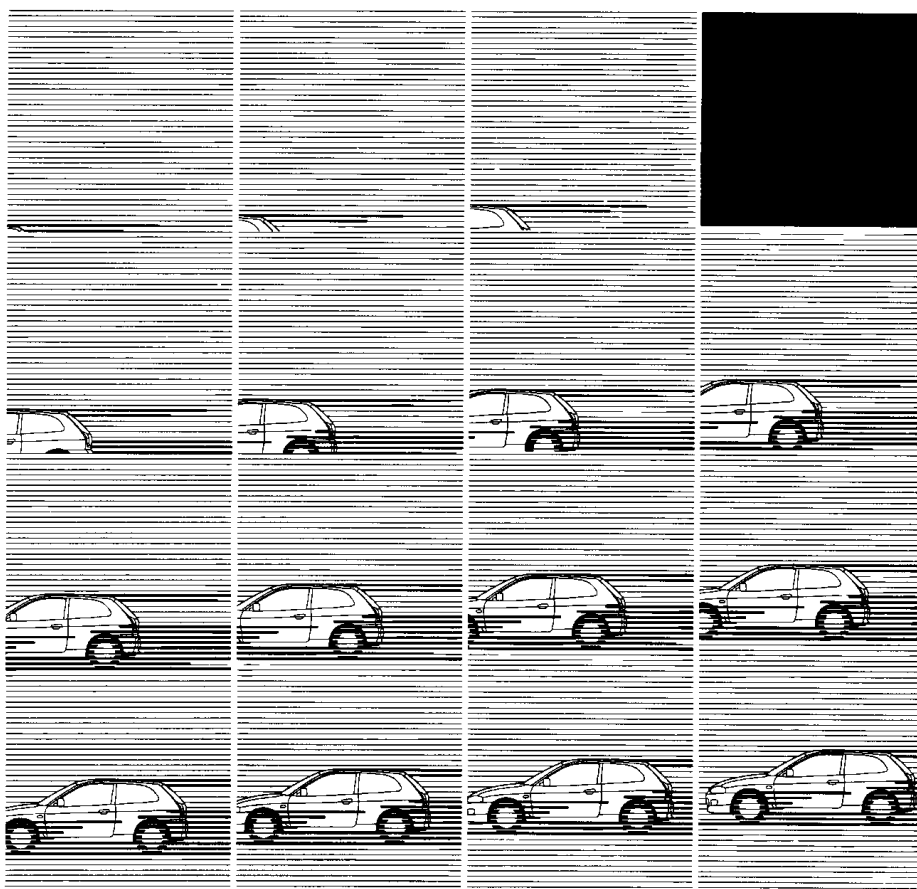
B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet



Workshop Manual

electrical wiring

COLT/LANCER '96



Pub. No. PHME9511

MITSUBISHI COLT/LANCER

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring of Mitsubishi COLT/LANCER 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
PYME9501

WORKSHOP MANUAL
CHASSIS GROUP PWME9511
BODY REPAIR MANUAL
PBME9501
ENGINE GROUP PWEE□□□□
(Looseleaf edition)

PARTS CATALOGUE B606F006A□

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



GROUP INDEX

00109000294

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

HOW TO USE THIS MANUAL

00100010166

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

00109000300

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1-2

NOTES

MODELS

00100030131

<Hatchback>

Model code		Engine model	Transmission model	Fuel supply system
CJ1A	MNDEL6	4G13-SOHC (1, 299mℓ)	F5M41 (5M/T)	MPI
	MNDER6			
	MNJEL6			
	MNJER6		F4A41 (4A/T)	
	MRJEL6			
	MRJER6			
CJ4A	MNJEL6	4G92-SOHC (1, 597mℓ)	F5M41 (5M/T)	
	MNJER6		F4A41 (4A/T)	
	MRJEL6			
	MRJER6		F5M41 (5M/T)	
	MNDAL6			
	MNDAR6			

<Sedan>

Model code		Engine model	Transmission model	Fuel supply system
CK1A	SNDEL6	4G13-SOHC (1, 299mℓ)	F5M41 (5M/T)	MPI
	SNDER6			
	SNJEL6			
	SNJER6		F4A41 (4A/T)	
	SRJEL6			
	SRJER6			
CK4A	SNJEL6	4G92-SOHC (1, 597mℓ)	F5M41 (5M/T)	
	SNJER6		F4A41 (4A/T)	
	SRJEL6			
	SRJER6			

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

00100010173

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

Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for each point of relays, electronic control units, sensors, solenoids, solenoid valves, diodes, inspection connectors, spare connectors, fusible links, fuses, etc. In the part's lists, parts are listed in alphabetical order.
Circuit diagrams	Circuits from power supply to earth are shown completely, classified according to system. There is a main division into power circuits, and circuits classified by system. The circuits classified by system also include operation and troubleshooting hints. ● Junction block The entire circuit for the junction block is described, because only the part of the junction block needed is normally shown in each circuit diagram. ● Joint connectors The internal circuits for all joint connectors are described, because only the part needed is shown in each circuit diagram. ● Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc. ● Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. ● Operation The standard operation of each system is briefly described, following the route of current flow. ● Troubleshooting hints This is a brief explanation of the inspection points that serve as hints when troubleshooting. Explanations of the circuits controlled by the electronic control unit are omitted. Refer to the related publications as required.
Index	All components used are listed by connector number and component name.

HOW TO READ CONFIGURATION DIAGRAMS

00100640020

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

Denotes connector No.

The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.

The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.

In addition, the number of connector pins and the connector colour (except milk white)* are shown for ease of retrieval

Example: A-12 (2-B)

Connector colour
(milk white if no colour is indicated)

Number of connector pins

Number specific to connector (serial number)

Connector location site symbol

A: Engine compartment

B: Dash panel

C: Instrument panel

D: Flower and roof

E: Door
F: Luggage compartment

*: Typical connector colours

B: Black

Y: Yellow

L: Blue

G: Green

B: Red

BR: Brown

Y: Violet

O: Orange

GR: Grav

Ch. 1: Gray

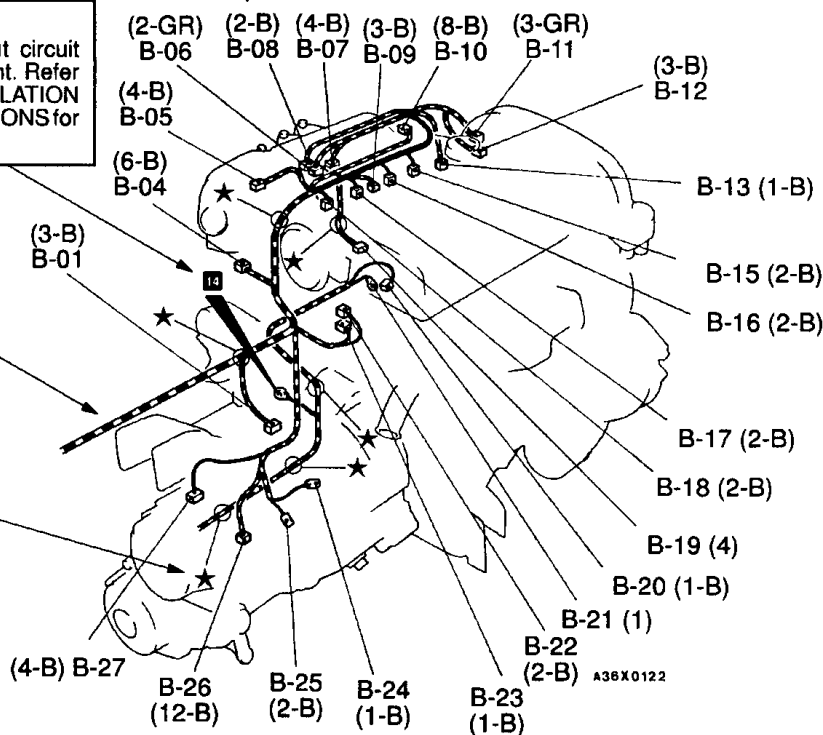
Denotes earth point.

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

Denotes a section covered by a corrugated tube.

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

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



B-01 Vehicle speed sensor
B-02 Distributor assembly
B-03 Distributor assembly
B-04 Idle speed control servo
B-05 Throttle position sensor

B-16 Injector No. 2
B-17 Injector No. 3
B-18 Injector No. 4
B-19 Oxygen sensor (front)
B-20 Starter motor
B-21 Starter motor

00100650023

Indicates power take out.

Indicates harness junction point No. for another system. It corresponds to the junction point No indicated on the destination system circuit diagram.

Indicates the circuit name to be connected. The arrow indicates the current flow direction.

Indicates the power supply in the control unit. If no voltage is displayed, this indicates SYSTEM voltage

An "X" at the end of a connector No indicates that the connector is connected to a centralized junction that is shown in the section "CENTRALIZED JUNCTION".

Indicates the operating conditions of the engine coolant temperature switch, etc.

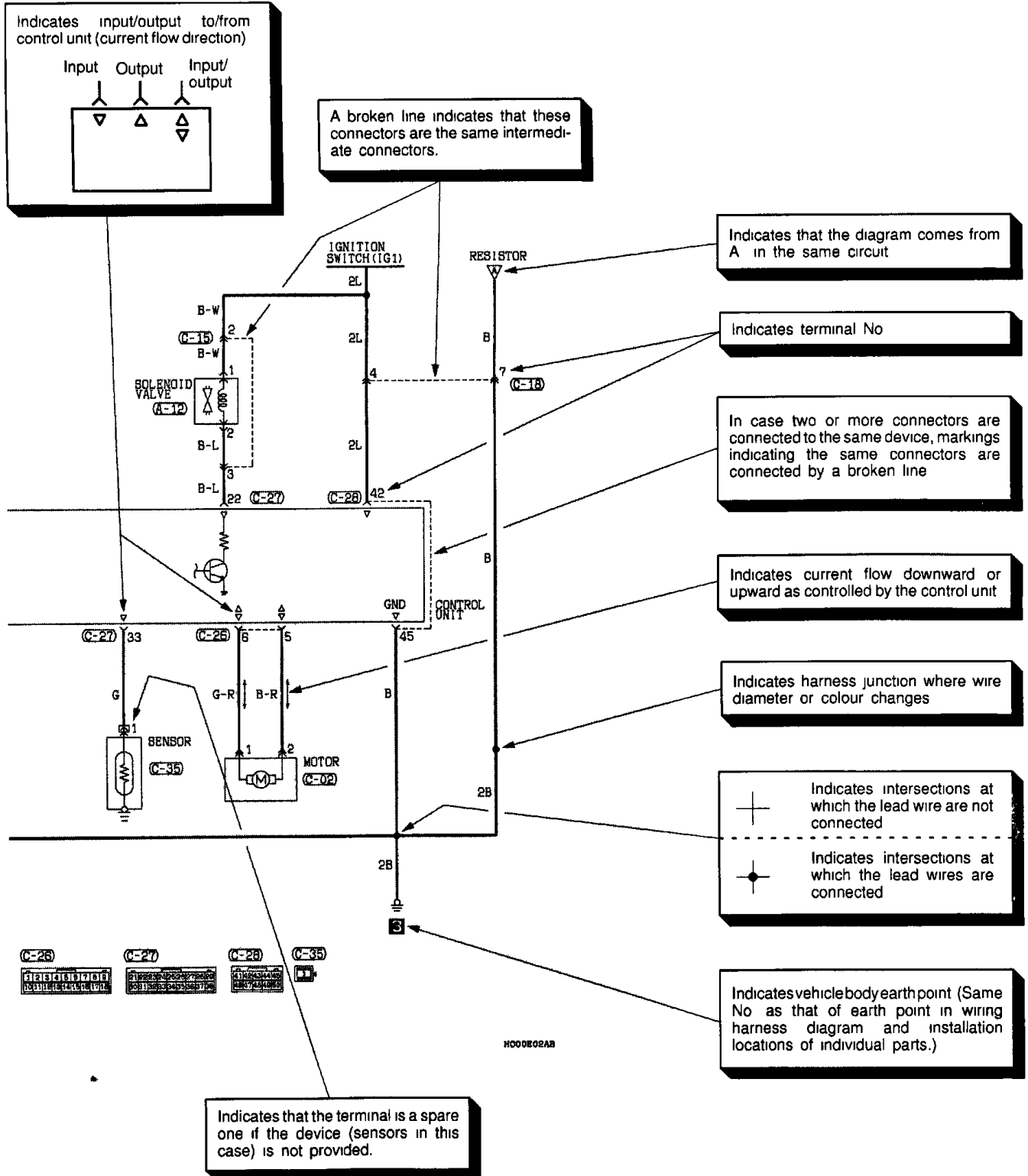
Indicates that the diagram continues at A in the same circuit.

Indicates the connector symbol
Connectors in the circuit diagram are indicated in numerical order

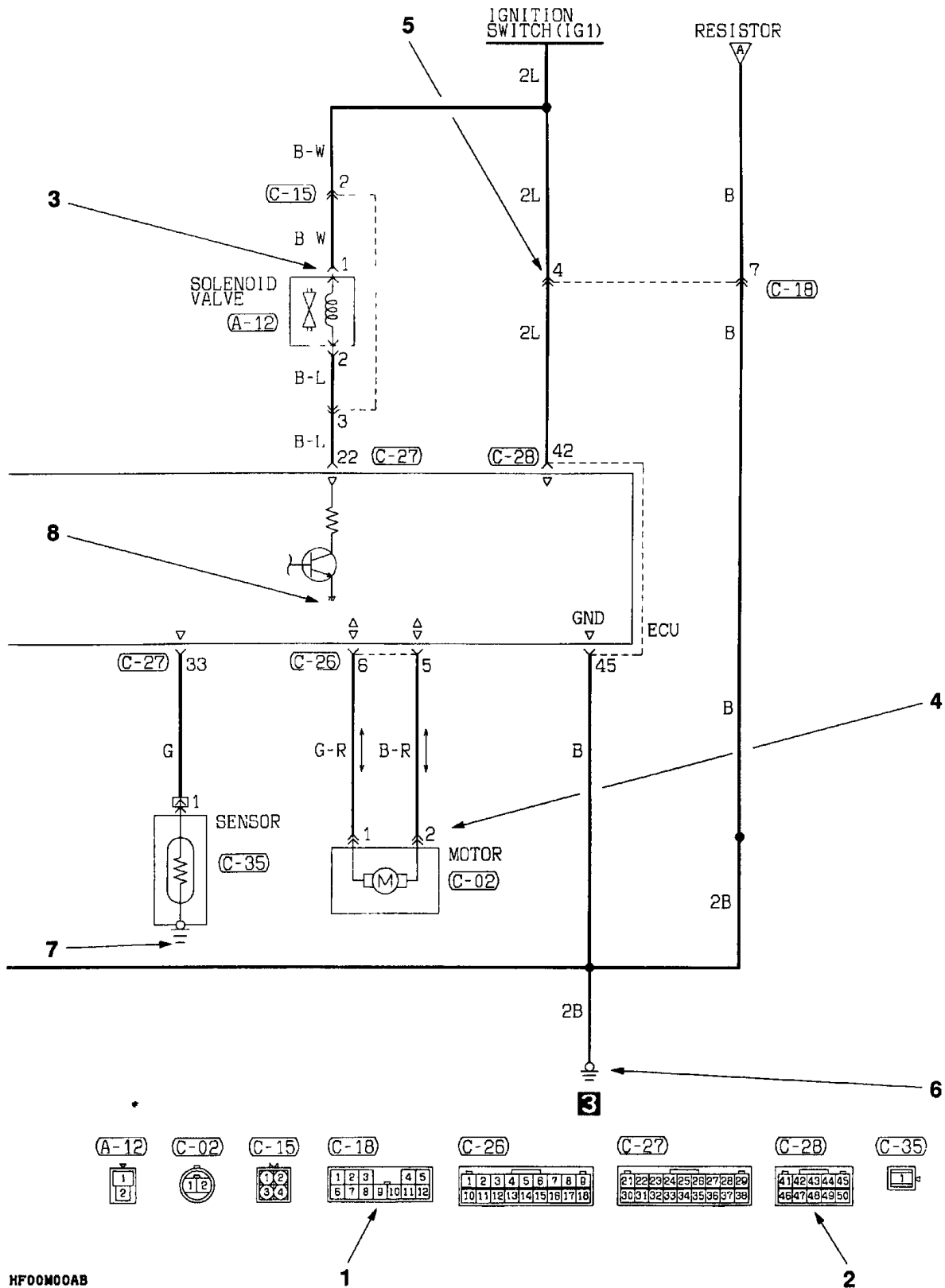
Indicates shield wire.

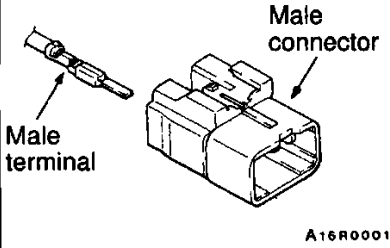
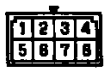
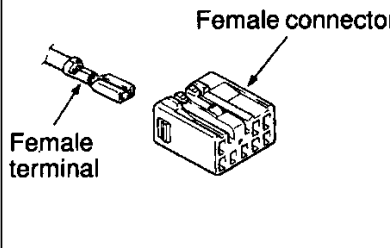
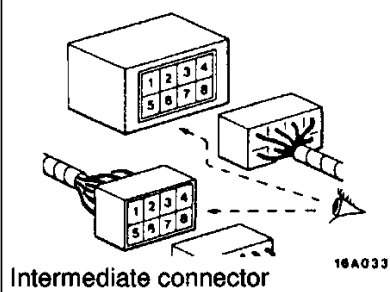
Indicates connector No. The same No as in the wiring harness diagram is used.
Connector numbers enclosed by frame are indicated with the connector symbols at the lower part of the page
Connector numbers not enclosed by a frame indicate components which are integrated with the harness.

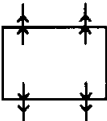
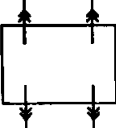
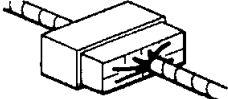
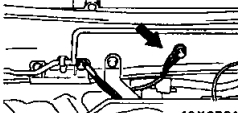
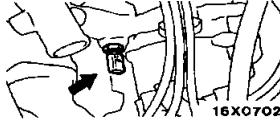
Indicates the circuit name to be connected. The arrow indicates the current flow direction.



MARKINGS FOR CONNECTOR EARTHING



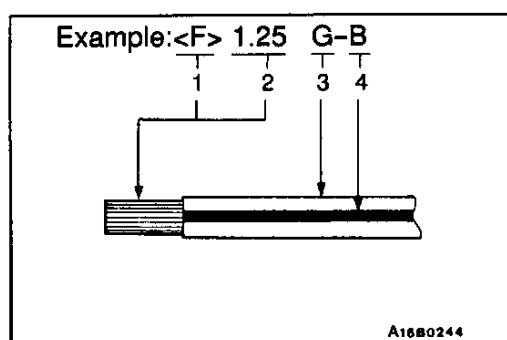
Item	No.	Connector/Earthing	Symbol	Contents
Connector and terminal marking	1	 Male terminal Male connector A16R0001	Male terminal  Male connector 	The male and female terminals are indicated as shown. The connector with male terminal(s) is called as male connector and indicated by double connector contour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

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

WIRE COLOUR CODES

Wire colours are identified by the follow colour codes.

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



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

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

NOTE

*: No code indicates 0.5 mm².

Cable colour code in parentheses indicates 0.3 mm².

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

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	Anti-skid 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
DRL	Daytime running lamp	M/T	Manual transmission
EGR	Exhaust gas recirculation	SRS	Supplemental restraint system

2. Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-skid braking system warning lamp	OIL	Oil pressure warning lamp
BEAM	High beam indicator lamp	R/FOG	Rear fog lamp indicator lamp
BRAKE	Brake warning lamp	SPEED	Speedometer
CHECK ENGINE	Check engine warning lamp	SRS	Supplemental restraint system warning lamp
CHG	Charging warning lamp	TACHO	Tachometer
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.)

3. Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbols	Operation	Name of switches and relays	Abbreviation symbols	Operation	
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit will start	Blower switch	LO	Blower operates at low speed	
				ML	Blower operates at medium low speed	
	IG1	Even when at the ST (START) position, the power circuit will start		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	
Dimmer passing switch	LO	Low beams ON		Variable intermittent wiper control switch	INT	Wipers operate intermittently
	HI	High beams ON	SLOW		Pause time for intermittent operation lengthen	
Lighting switch	TAIL	Position, tail, licence plate and instrument panel lamps ON	Rear wiper switch	FAST	Pause time for intermittent operation shorten	
	HEAD	Headlamps ON		LO	Wiper operates at low speed	
Room lamp switch	DOOR	Room lamp ON when a door is open	Remote control mirror switch	INT	Wiper operates intermittently	
				LH	L.H mirror operates	
					RH	R.H. mirror operates
Turn signal switch	LH	L.H. turn signal lamps ON	Sunroof switch	OPEN	Sunroof slides to open	
	RH	R.H. turn signal lamps ON		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	Heated seat switch	LO	Normal heating	
						HI
	UN-LOCK	Door unlock	Others	ON	Switched on	
				OFF	Switched off	

1-14 HOW TO READ THE WIRING DIAGRAMS – Abbreviation Symbols

4. Other abbreviation symbols

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ECU	Electronic control unit	LHD	L.H. drive vehicles
GND	Earth	MVV	Mitsubishi vertical vortex engine
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
LH	Left hand		

WIRING HARNESS CONFIGURATION DIAGRAMS

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80109000098

OVERALL WIRING DIAGRAM

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Sedan	2-3

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DASH PANEL

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R.H. drive vehicles	2-26

INSTRUMENT PANEL

L.H. drive vehicles	2-32
R.H. drive vehicles	2-33

FLOOR AND ROOF

Hatchback <L.H. drive vehicles>	2-34
Hatchback <R.H. drive vehicles>	2-35
Sedan <L.H. drive vehicles>	2-36
Sedan <R.H. drive vehicles>	2-37

DOOR

Hatchback	2-38
Sedan	2-40

LUGGAGE COMPARTMENT

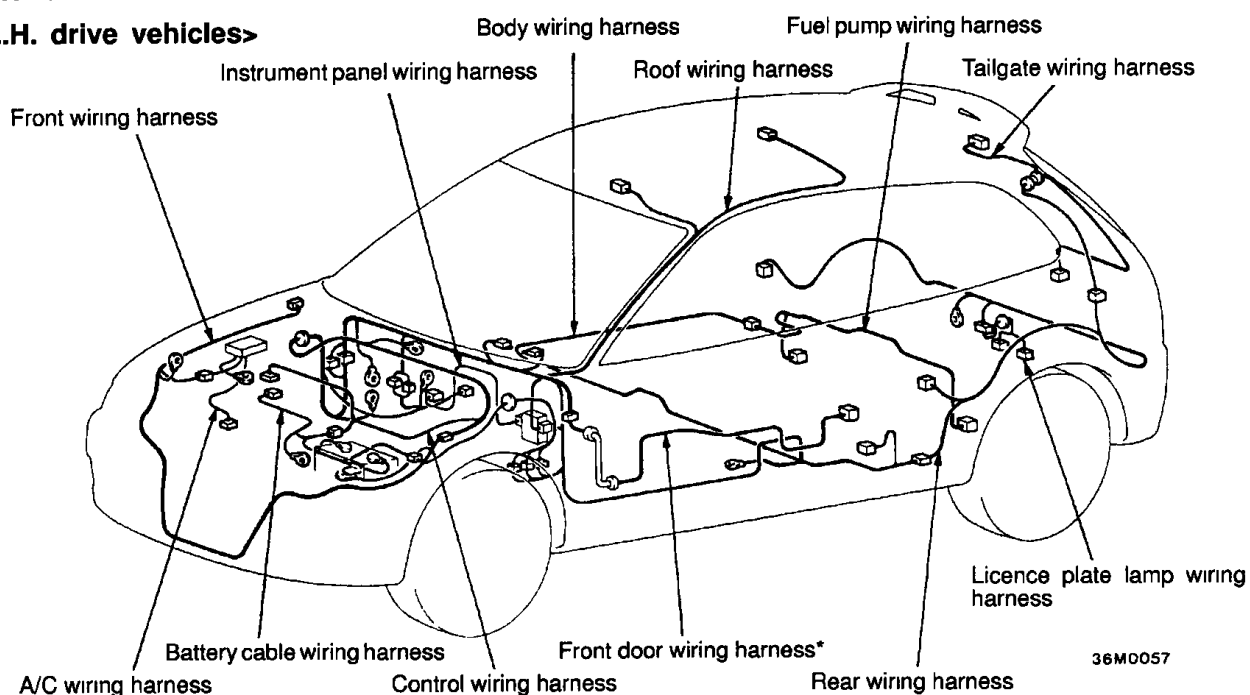
Hatchback <L.H. drive vehicles>	2-42
Hatchback <R.H. drive vehicles>	2-43
Sedan <L.H. drive vehicles>	2-44
Sedan <R.H. drive vehicles>	2-45

OVERALL WIRING DIAGRAM

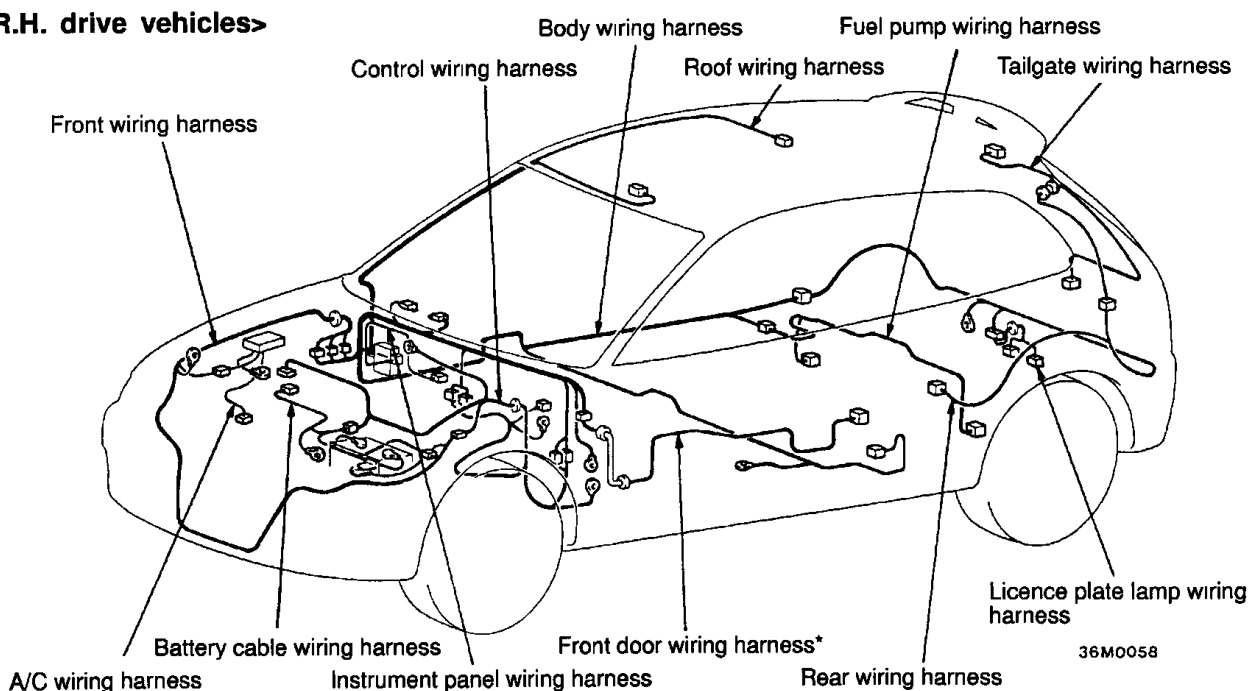
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Hatchback

<L.H. drive vehicles>



<R.H. drive vehicles>



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Remarks

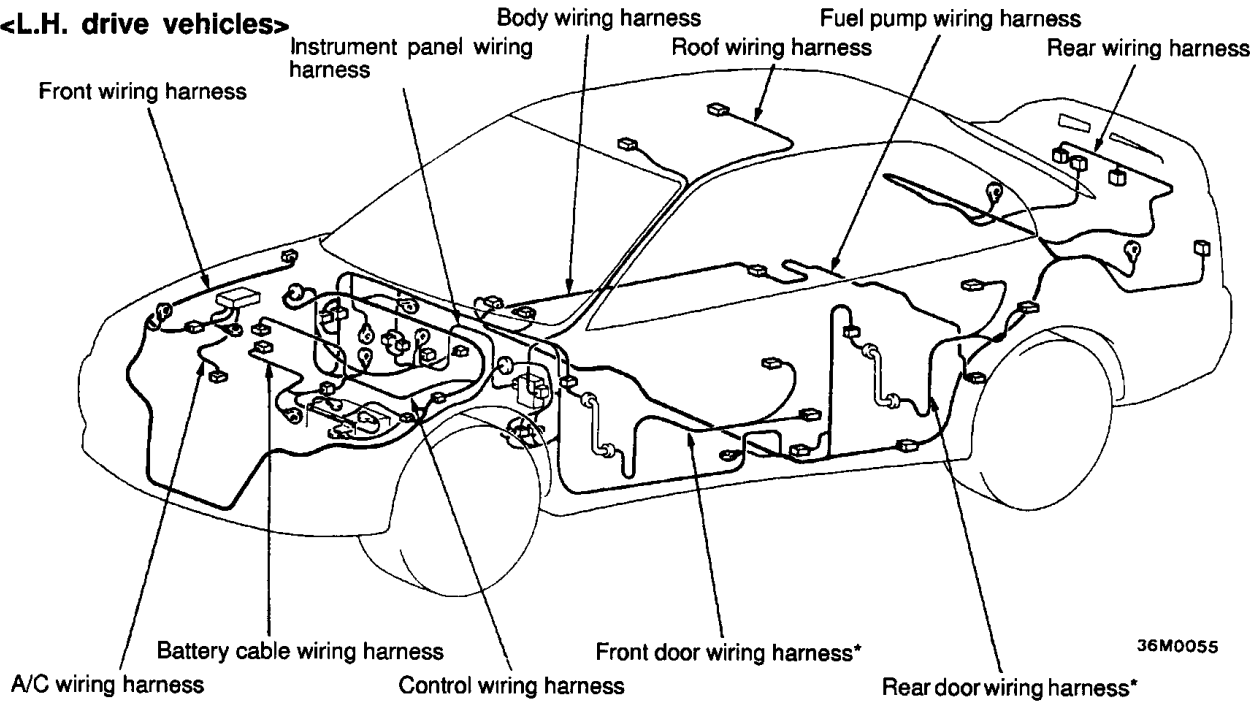
- (1) This illustration shows only major wiring harnesses.
- (2) *:also equipped at the right side.

OVERALL WIRING DIAGRAM

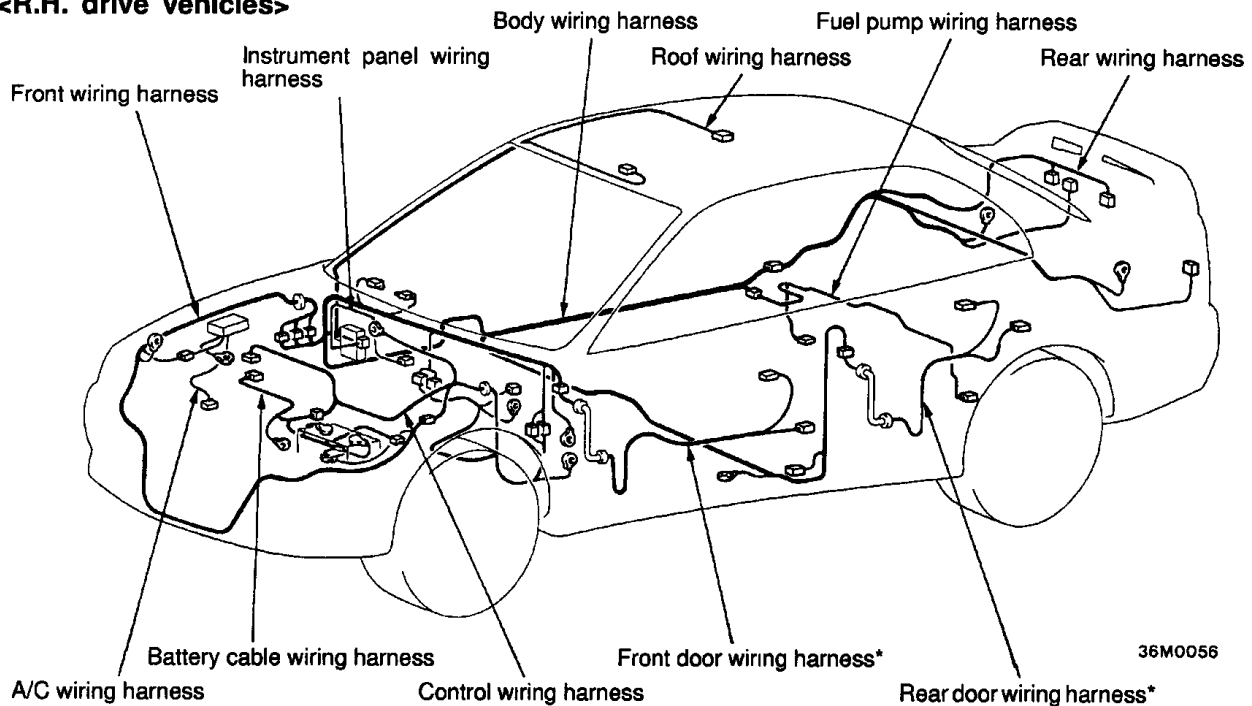
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Sedan

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<R.H. drive vehicles>



00004462

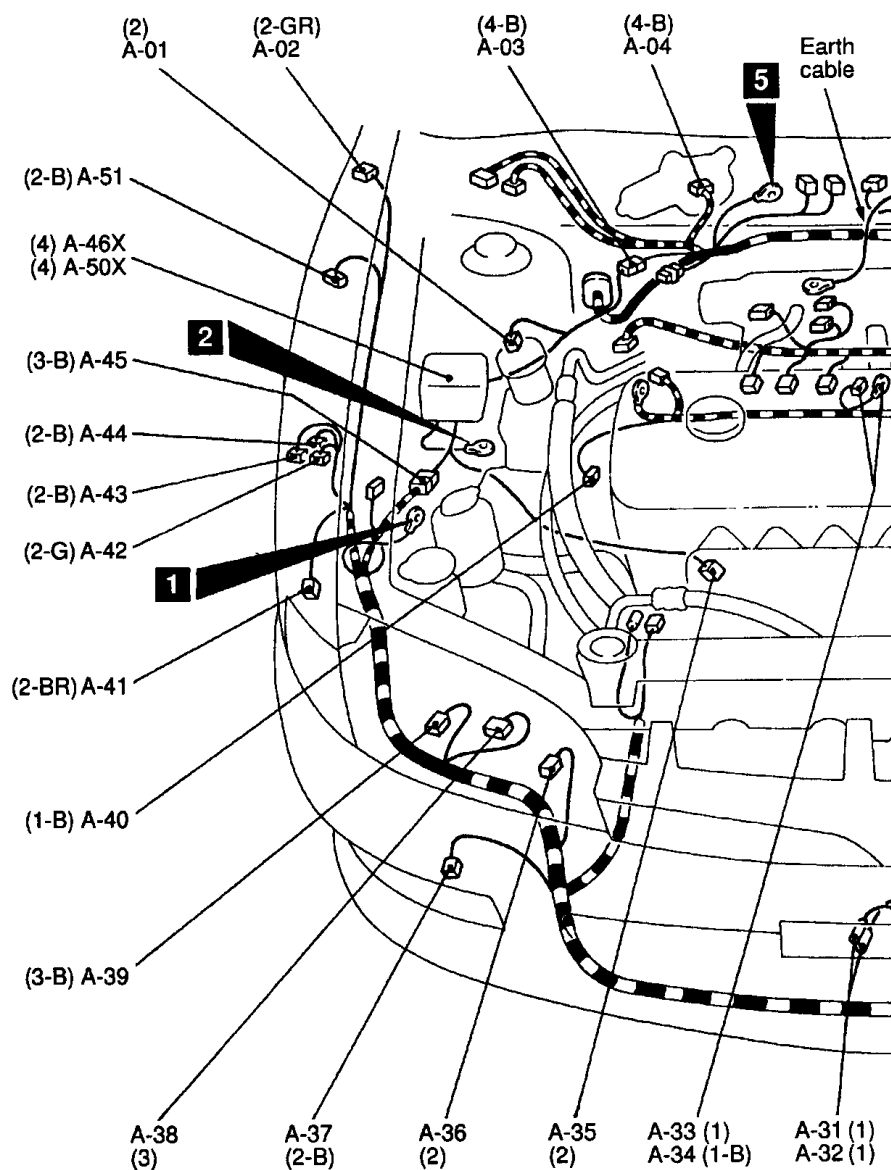
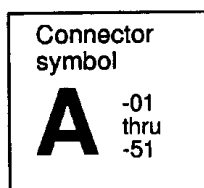
Remarks

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

ENGINE COMPARTMENT

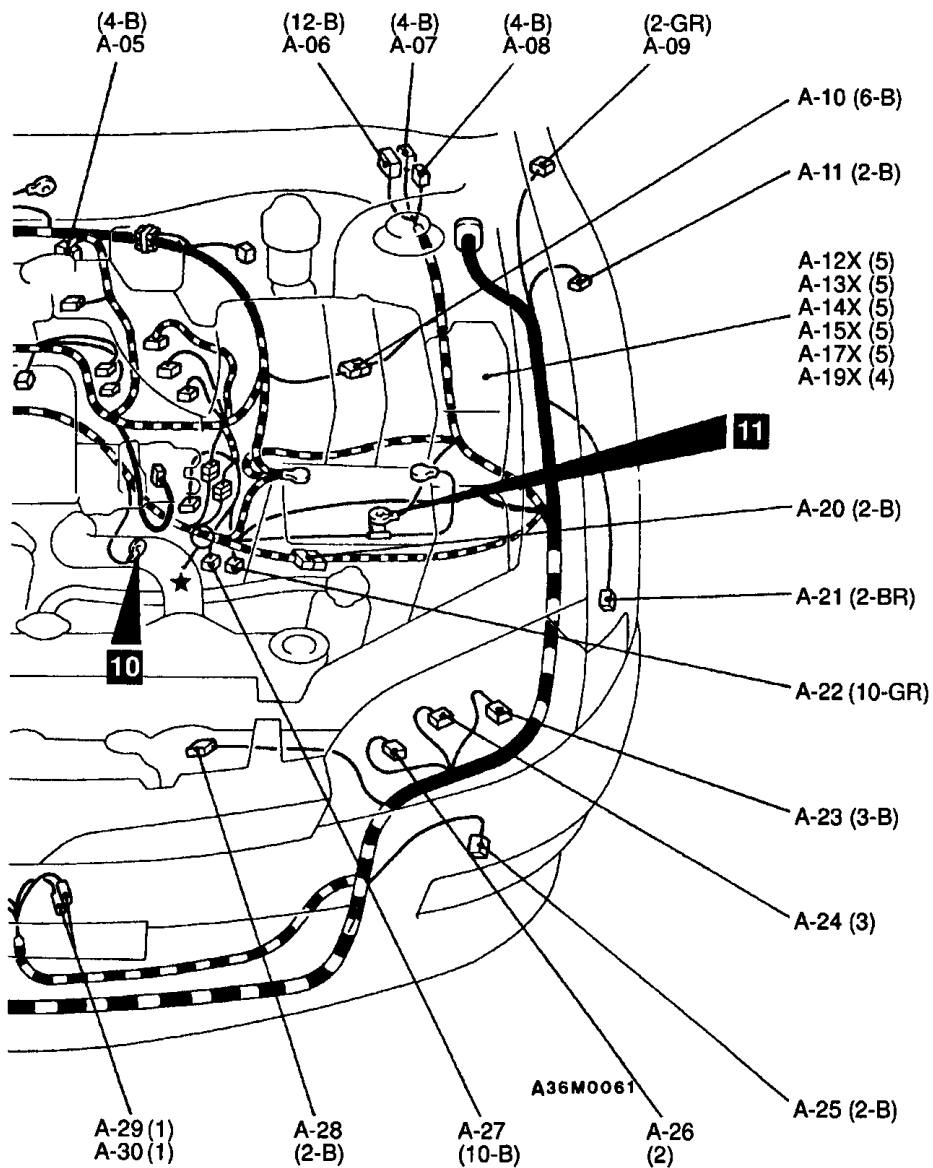
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4G13 <L.H. drive vehicles>



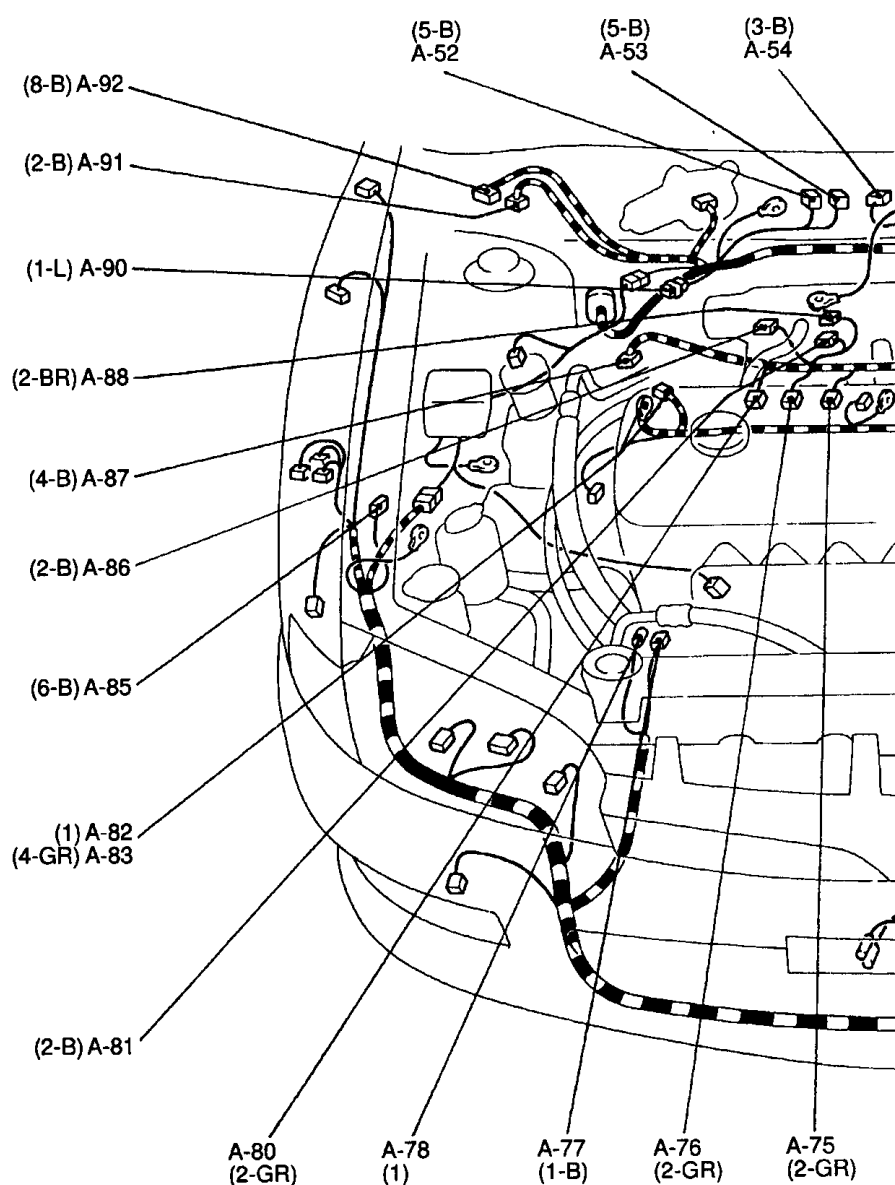
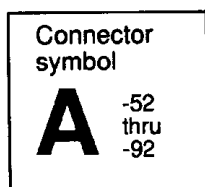
A-01 Dual pressure switch <A/C>
 A-02 Side turn signal lamp (RH)
 A-03 A/C wiring harness and control wiring harness combination
 A-04 Windshield wiper motor
 A-05 Throttle position sensor
 A-06 DRL-ECU
 A-07 DRL relay 2
 A-08 DRL relay 1
 A-09 Side turn signal lamp (LH)
 A-10 Control wiring harness and front wiring harness combination
 A-11 Wheel speed sensor (front:LH) <ABS>

A-12X Rear fog lamp relay
 A-13X Horn relay <SRS>
 A-14X Tail lamp relay <DRL>
 A-15X Radiator fan relay
 A-17X Headlamp relay
 A-19X Alternator relay
 A-20 Battery cable wiring harness and front wiring harness combination
 A-21 Front turn signal lamp (LH)
 A-22 A/T control solenoid valve assembly
 A-23 Headlamp (LH)
 A-24 Headlamp leveling unit (LH)

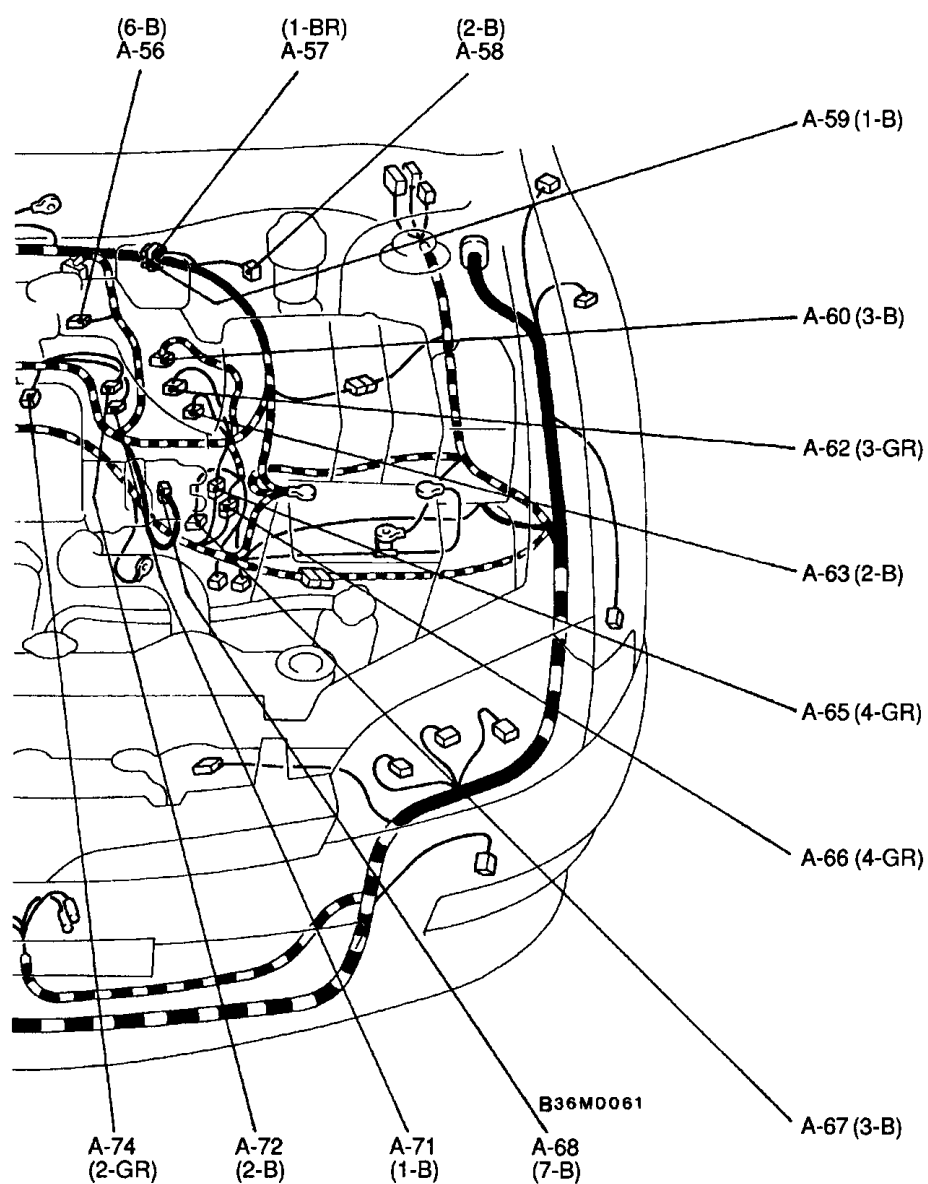


- | | | | |
|------|------------------------|-------|---|
| A-25 | Front fog lamp (LH) | A-38 | Headlamp leveling unit (RH) |
| A-26 | Position lamp (LH) | A-39 | Headlamp (RH) |
| A-27 | Inhibitor switch <A/T> | A-40 | Oil pressure switch |
| A-28 | Radiator fan motor | A-41 | Front turn signal lamp (RH) |
| A-29 | Horn (HI) | A-42 | Rear washer motor |
| A-30 | Horn (HI) | A-43 | Windshield washer motor |
| A-31 | Horn (LO) | A-44 | Headlamp washer motor |
| A-32 | Horn (LO) | A-45 | A/C wiring harness and front wiring harness combination |
| A-33 | Starter | A-46X | Condenser fan relay |
| A-34 | Starter | A-50X | A/C compressor relay |
| A-35 | Condenser fan motor | A-51 | Wheel speed sensor (front:RH) <ABS> |
| A-36 | Position lamp (RH) | | |
| A-37 | Front fog lamp (RH) | | |

4G13 <L.H. drive vehicles>



A-52	ABS valve relay	A-63	Back-up lamp switch <M/T>
A-53	ABS motor relay	A-65	Battery cable wiring harness and control wiring harness combination <M/T>
A-54	Vacuum sensor	A-66	Battery cable wiring harness and control wiring harness combination <A/T>
A-56	Idle speed control servo	A-67	Input shaft speed sensor <A/T>
A-57	Ignition timing adjustment connector	A-68	Distributor assembly
A-58	Brake fluid level sensor	A-71	Engine coolant temperature gauge unit
A-59	Fuel pump check connector		
A-60	Vehicle speed sensor		
A-62	Output shaft speed sensor <A/T>		



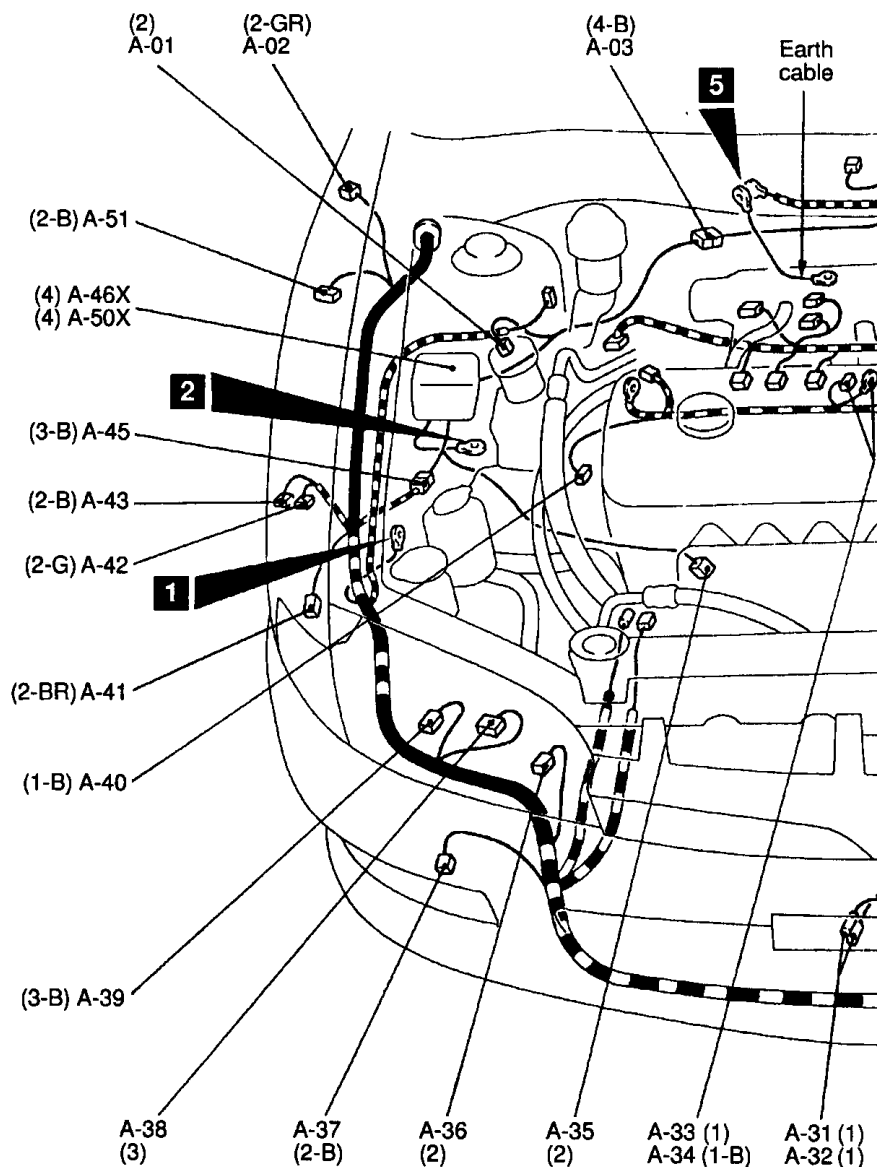
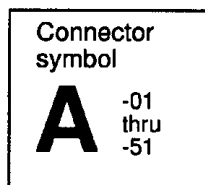
A-72 Engine coolant temperature sensor
 A-74 Injector 4
 A-75 Injector 3
 A-76 Injector 2
 A-77 A/C refrigerant temperature switch and magnetic clutch
 A-78 Power steering oil pressure switch
 A-80 Injector 1
 A-81 Purge control solenoid valve

A-82 Alternator
 A-83 Alternator
 A-85 Headlamp washer relay
 A-86 Intake air temperature sensor
 A-87 Oxygen sensor (front)
 A-88 EGR solenoid valve
 A-90 Engine speed detection connector
 A-91 ABS hydraulic unit
 A-92 ABS hydraulic unit

ENGINE COMPARTMENT

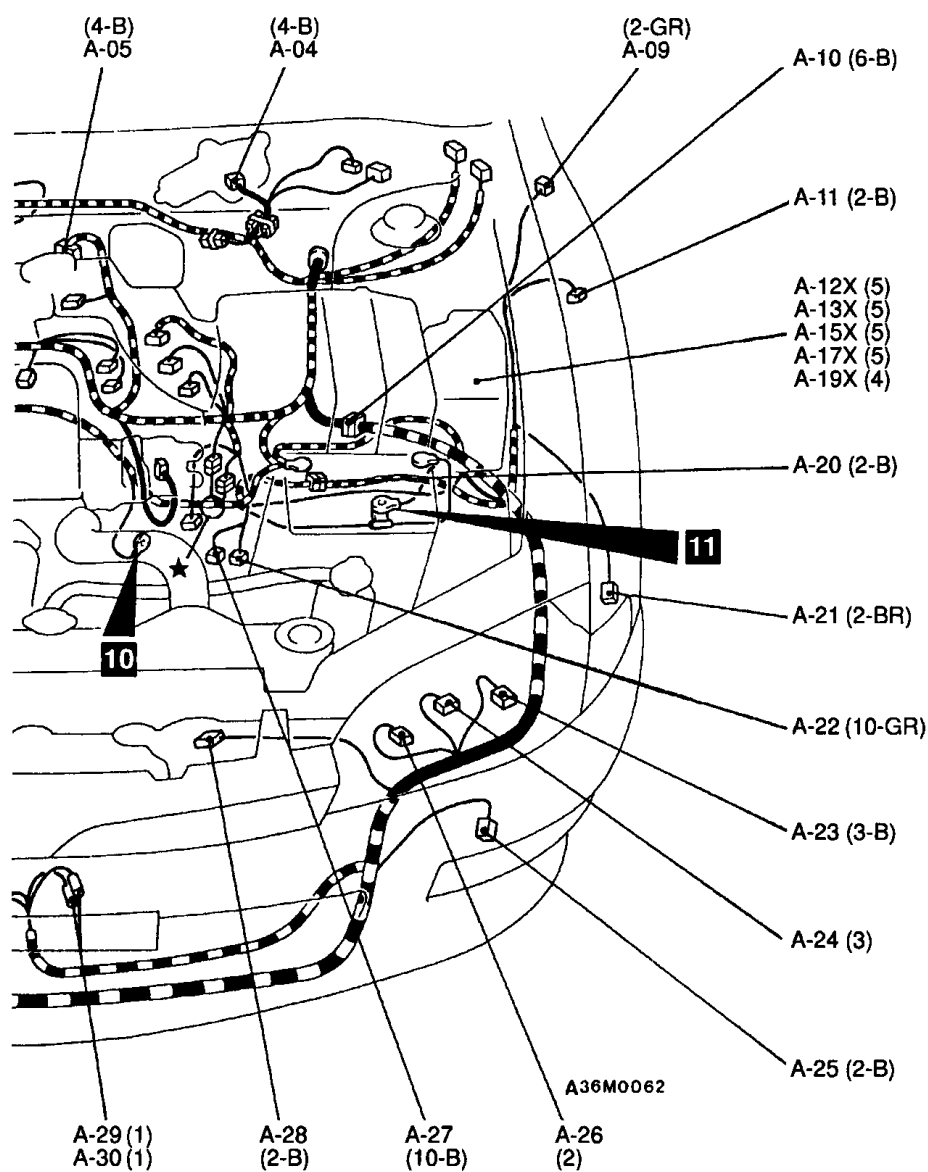
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4G13 <R.H. drive vehicles>



- A-01 Dual pressure switch <A/C>
- A-02 Side turn signal lamp (RH)
- A-03 A/C wiring harness and control wiring harness combination
- A-04 Windshield wiper motor
- A-05 Throttle position sensor
- A-09 Side turn signal lamp (LH)
- A-10 Control wiring harness and front wiring harness combination
- A-11 Wheel speed sensor (front:LH) <ABS>
- A-12X Rear fog lamp relay
- A-13X Horn relay<SRS>

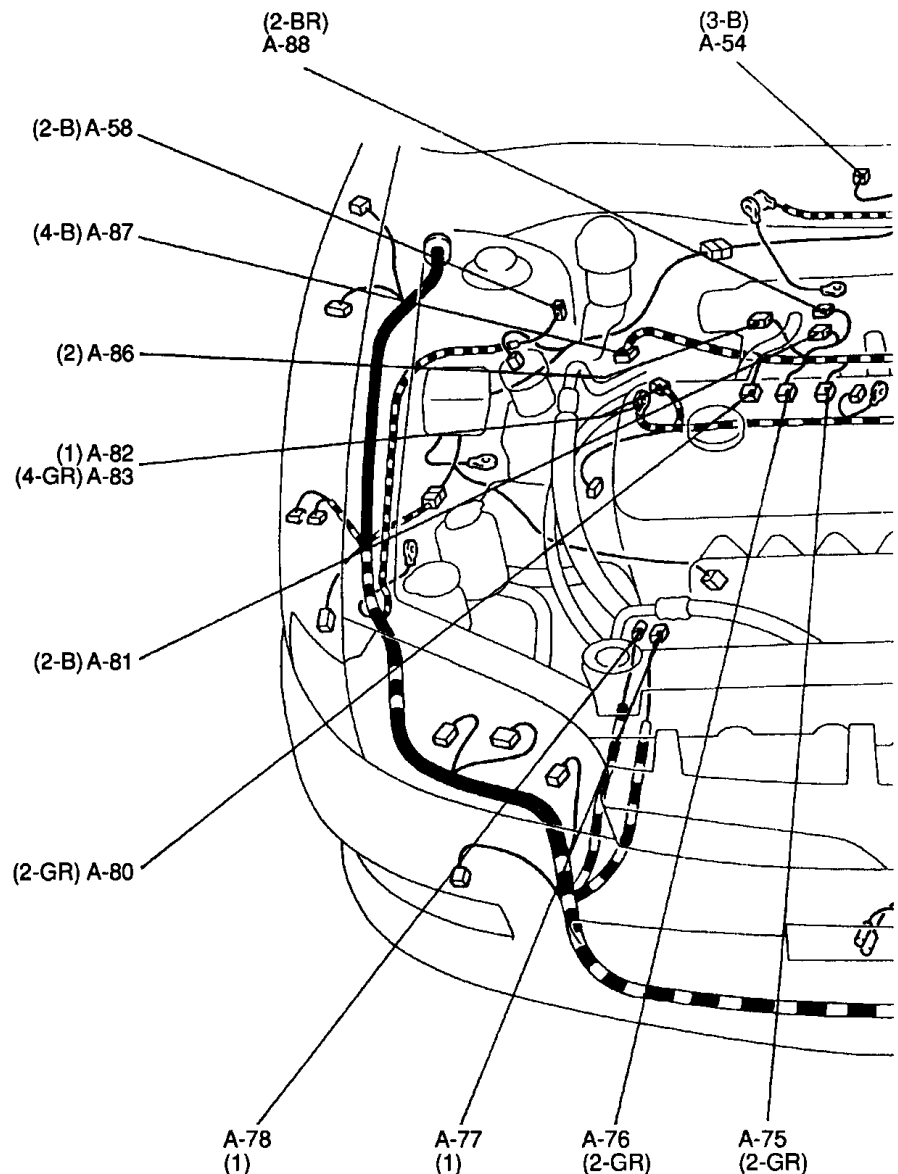
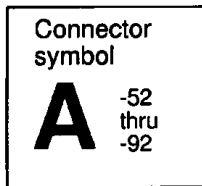
- A-15X Radiator fan relay
- A-17X Headlamp relay
- A-19X Alternator relay
- A-20 Battery cable wiring harness and front wiring harness combination
- A-21 Front turn signal lamp (LH)
- A-22 A/T control solenoid valve assembly
- A-23 Headlamp (LH)
- A-24 Headlamp leveling unit (LH)
- A-25 Front fog lamp (LH)
- A-26 Position lamp (LH)



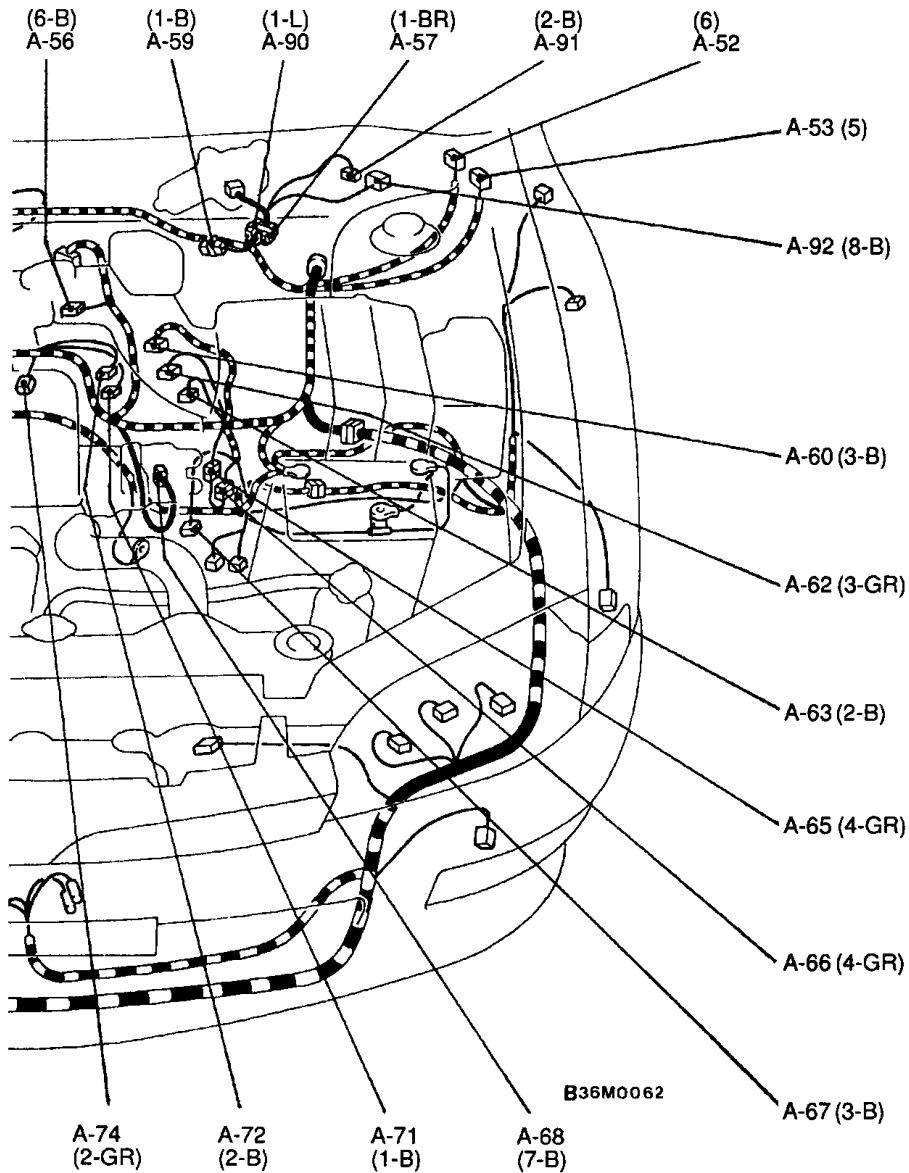
A-27 Inhibitor switch <A/T>
 A-28 Radiator fan motor
 A-29 Horn (HI)
 A-30 Horn (HI)
 A-31 Horn (LO)
 A-32 Horn (LO)
 A-33 Starter
 A-34 Starter
 A-35 Condenser fan motor
 A-36 Position lamp (RH)
 A-37 Front fog lamp (RH)

A-38 Headlamp leveling unit (RH)
 A-39 Headlamp (RH)
 A-40 Oil pressure switch
 A-41 Front turn signal lamp (RH)
 A-42 Rear washer motor
 A-43 Windshield washer motor
 A-45 A/C wiring harness and front wiring harness combination
 A-46X Condenser fan relay
 A-50X A/C compressor relay
 A-51 Wheel speed sensor (front:RH) <ABS>

4G13 <R.H. drive vehicles>



- | | | | |
|------|--------------------------------------|------|---|
| A-52 | ABS valve relay | A-63 | Back-up lamp switch <M/T> |
| A-53 | ABS motor relay | A-65 | Battery cable wiring harness and control wiring harness combination <M/T> |
| A-54 | Vacuum sensor | A-66 | Battery cable wiring harness and control wiring harness combination <A/T> |
| A-56 | Idle speed control servo | A-67 | Input shaft speed sensor <A/T> |
| A-57 | Ignition timing adjustment connector | A-68 | Distributor assembly |
| A-58 | Brake fluid level sensor | A-71 | Engine coolant temperature gauge unit |
| A-59 | Fuel pump check connector | | |
| A-60 | Vehicle speed sensor | | |
| A-62 | Output shaft speed sensor <A/T> | | |

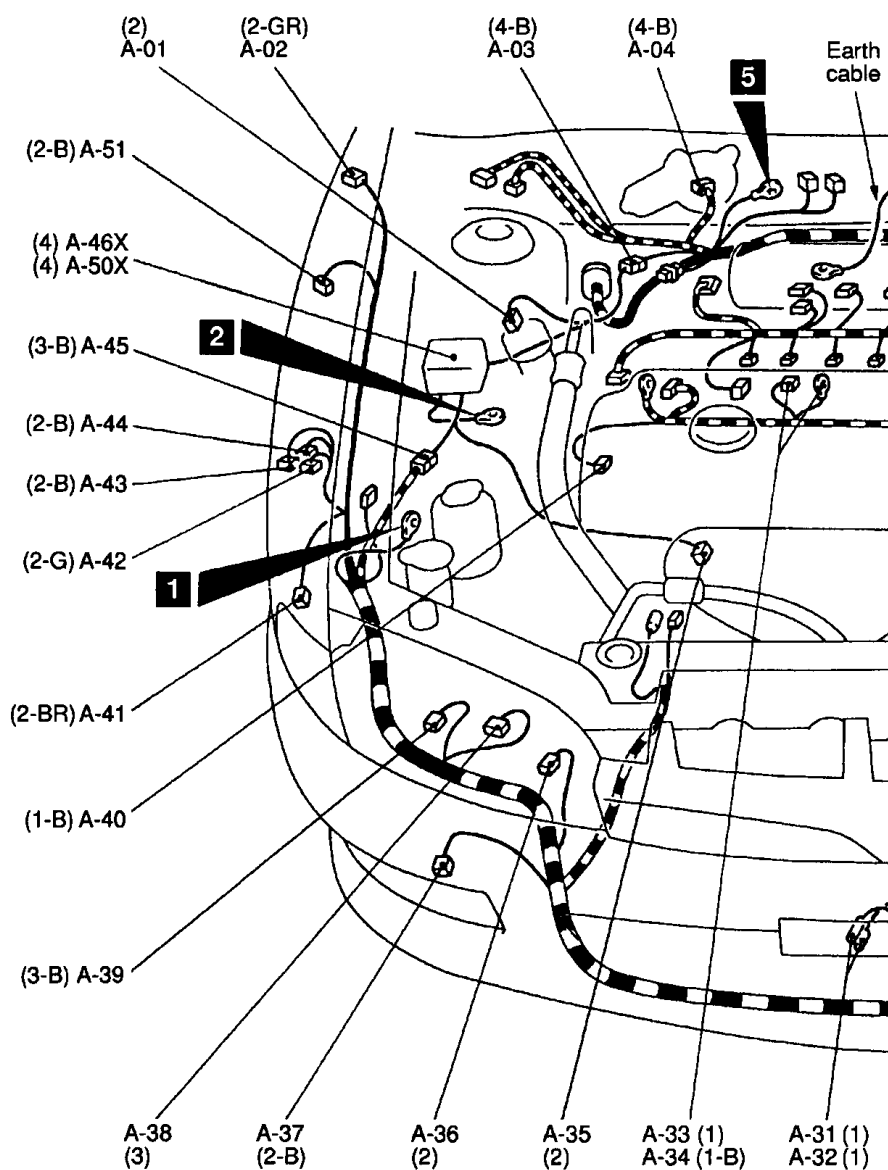
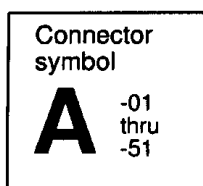


A-72	Engine coolant temperature sensor	A-82	Alternator
A-74	Injector 4	A-83	Alternator
A-75	Injector 3	A-86	Intake air temperature sensor
A-76	Injector 2	A-87	Oxygen sensor (front)
A-77	A/C refrigerant temperature switch and magnetic clutch	A-88	EGR solenoid valve
A-78	Power steering oil pressure switch	A-90	Engine speed detection connector
A-80	Injector 1	A-91	ABS hydraulic unit
A-81	Purge control solenoid valve	A-92	ABS hydraulic unit

ENGINE COMPARTMENT

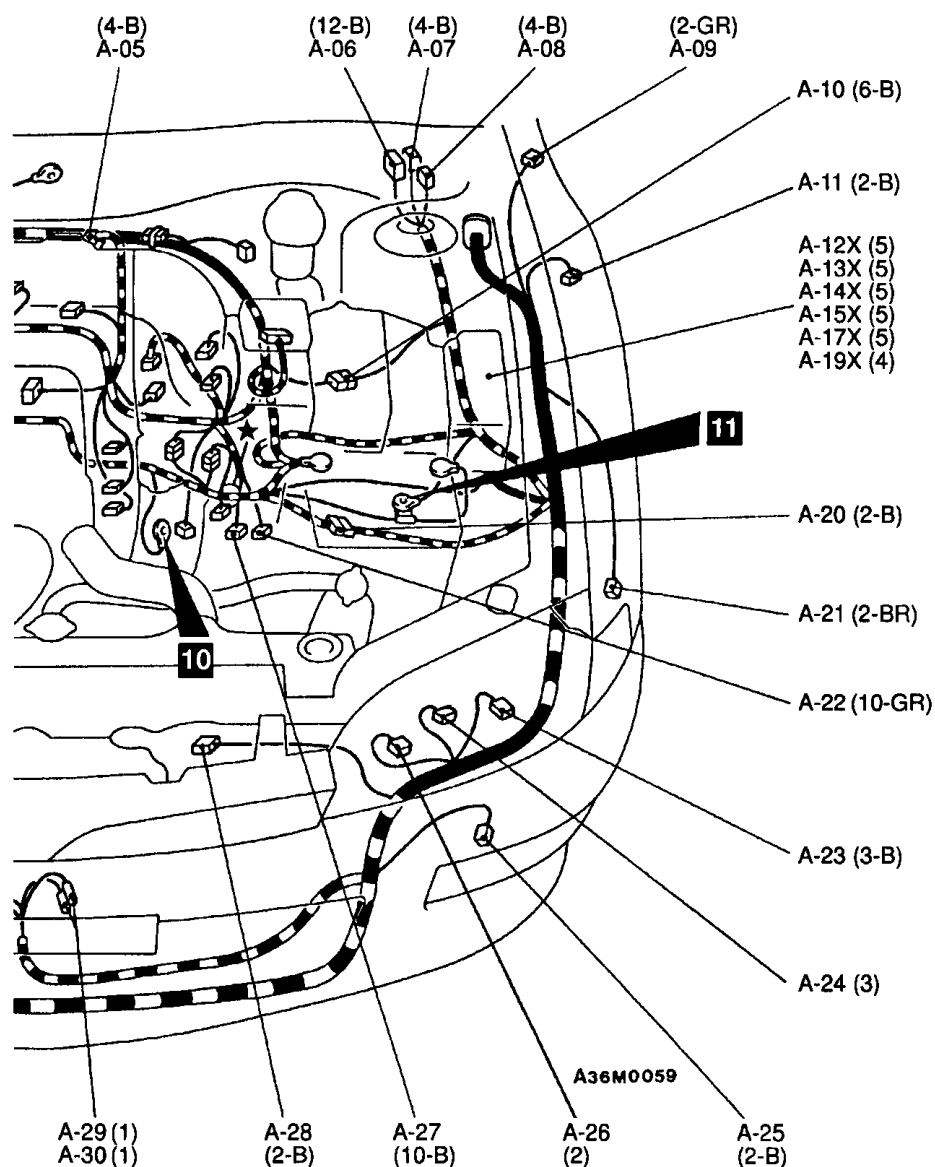
80100030485

4G92 <L.H. drive vehicles>



A-01 Dual pressure switch <A/C>
 A-02 Side turn signal lamp (RH)
 A-03 A/C wiring harness and control wiring harness combination
 A-04 Windshield wiper motor
 A-05 Throttle position sensor
 A-06 DRL-ECU
 A-07 DRL relay 2
 A-08 DRL relay 1
 A-09 Side turn signal lamp (LH)
 A-10 Control wiring harness and front wiring harness combination
 A-11 Wheel speed sensor (front:LH) <ABS>

A-12X Rear fog lamp relay
 A-13X Horn relay <SRS>
 A-14X Tail lamp relay <DRL>
 A-15X Radiator fan relay
 A-17X Headlamp relay
 A-19X Alternator relay
 A-20 Battery cable wiring harness and front wiring harness combination
 A-21 Front turn signal lamp (LH)
 A-22 A/T control solenoid valve assembly
 A-23 Headlamp (LH)
 A-24 Headlamp leveling unit (LH)



A-25 Front fog lamp (LH)
 A-26 Position lamp (LH)
 A-27 Inhibitor switch <A/T>
 A-28 Radiator fan motor
 A-29 Horn (H)
 A-30 Horn (H)
 A-31 Horn (L)
 A-32 Horn (L)
 A-33 Starter
 A-34 Starter
 A-35 Condenser fan motor
 A-36 Position lamp (RH)
 A-37 Front fog lamp (RH)

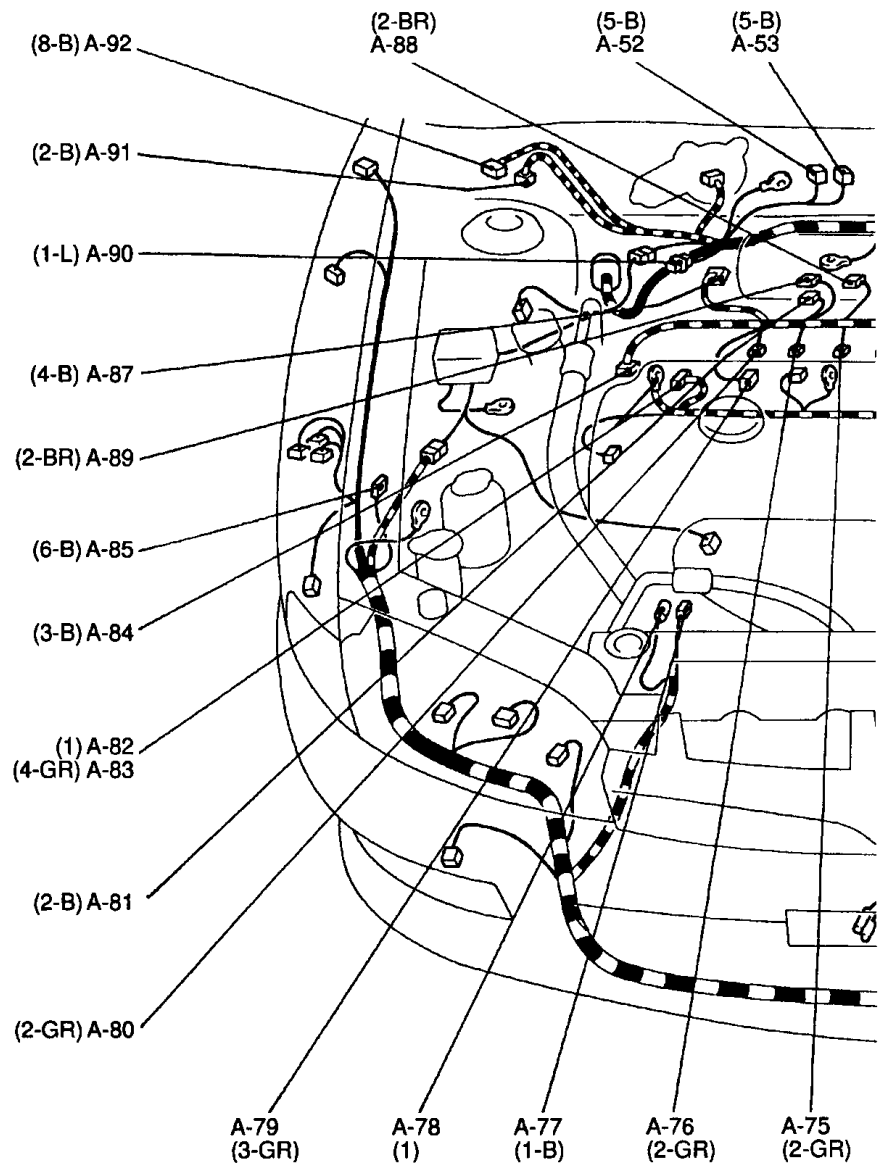
A-38 Headlamp leveling unit (RH)
 A-39 Headlamp (RH)
 A-40 Oil pressure switch
 A-41 Front turn signal lamp (RH)
 A-42 Rear washer motor
 A-43 Windshield washer motor
 A-44 Headlamp washer motor
 A-45 A/C wiring harness and front wiring harness combination
 A-46X Condenser fan relay
 A-50X A/C compressor relay
 A-51 Wheel speed sensor (front:RH) <ABS>

4G92 <L.H. drive vehicles>

Connector
symbol

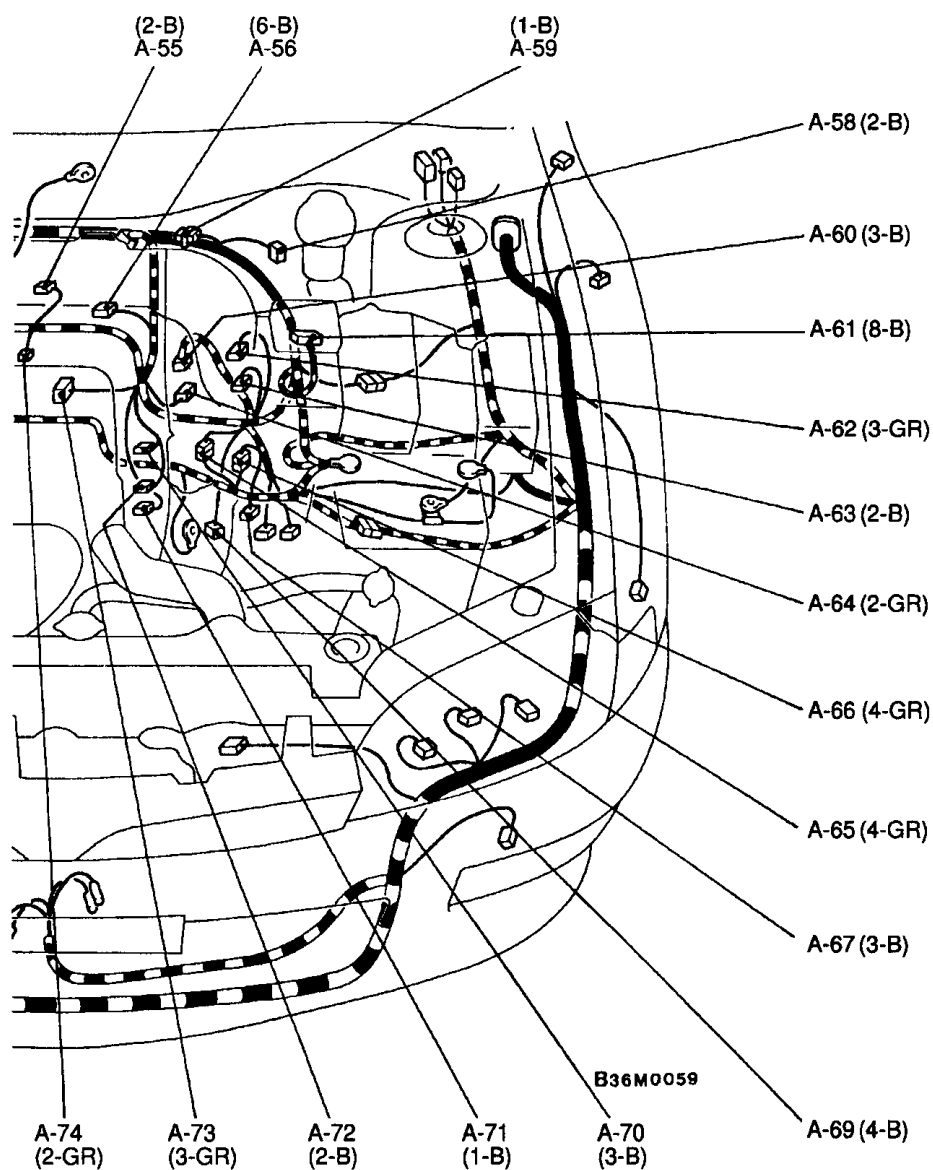
A

-52
thru
-92



A-52 ABS valve relay
 A-53 ABS motor relay
 A-55 Air bypass solenoid valve <MVV>
 A-56 Idle speed control servo
 A-58 Brake fluid level sensor
 A-59 Fuel pump check connector
 A-60 Vehicle speed sensor
 A-61 Air flow sensor
 A-62 Output shaft speed sensor <A/T>
 A-63 Back-up lamp switch <M/T>

A-64 Detonation sensor
 A-65 Battery cable wiring harness and control wiring harness combination <M/T>
 A-66 Battery cable wiring harness and control wiring harness combination <A/T>
 A-67 Input shaft speed sensor <A/T>
 A-69 Oxygen sensor <MVV>
 A-70 Camshaft position sensor
 A-71 Engine coolant temperature gauge unit
 A-72 Engine coolant temperature sensor



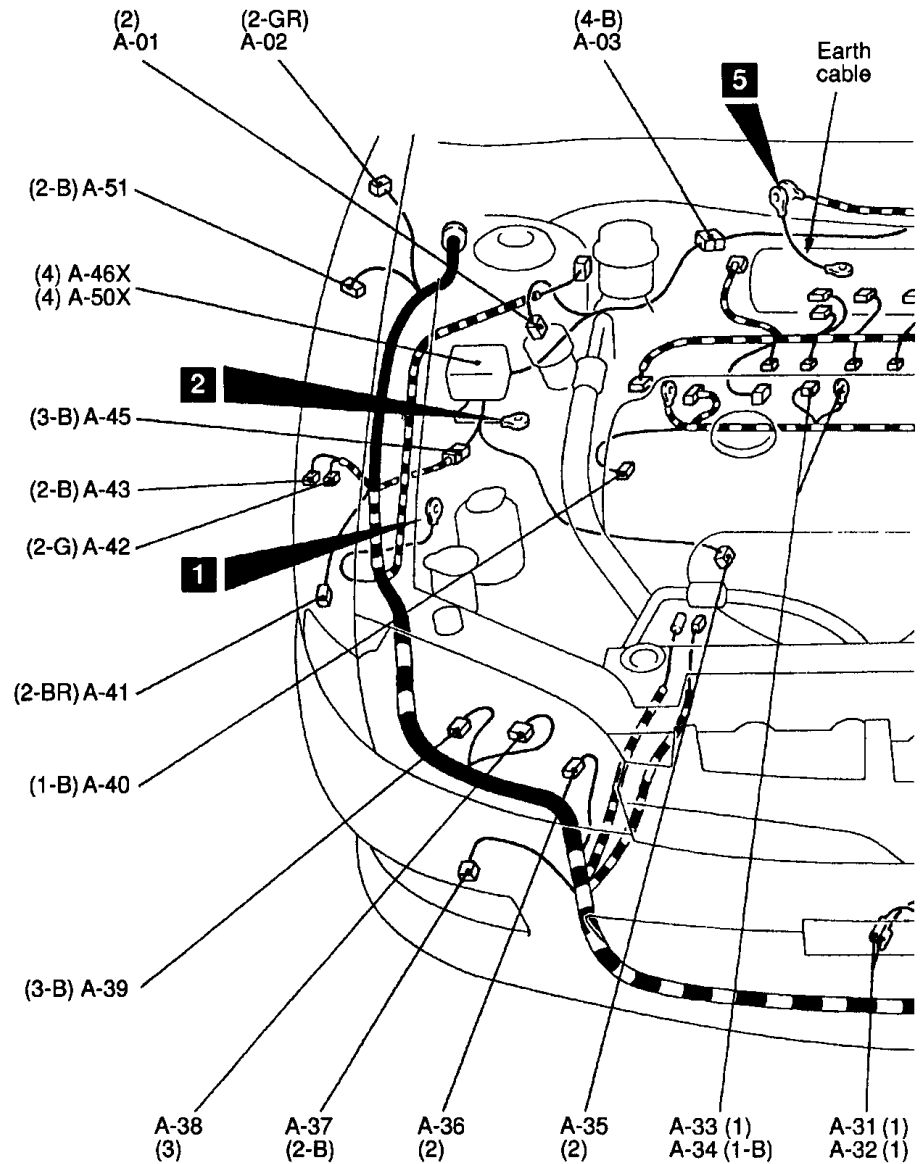
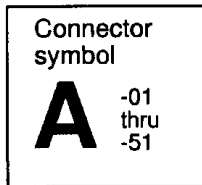
A-73 Ignition coil 1
 A-74 Injector 4
 A-75 Injector 3
 A-76 Injector 2
 A-77 A/C refrigerant temperature switch and magnetic clutch
 A-78 Power steering oil pressure switch
 A-79 Ignition coil 2
 A-80 Injector 1
 A-81 Purge control solenoid valve

A-82 Alternator
 A-83 Alternator
 A-84 Crank angle sensor
 A-85 Headlamp washer relay
 A-87 Oxygen sensor <except MVV>
 A-88 EGR solenoid valve <except MVV>
 A-89 EGR solenoid valve <MVV>
 A-90 Engine speed detection connector
 A-91 ABS hydraulic unit
 A-92 ABS hydraulic unit

ENGINE COMPARTMENT

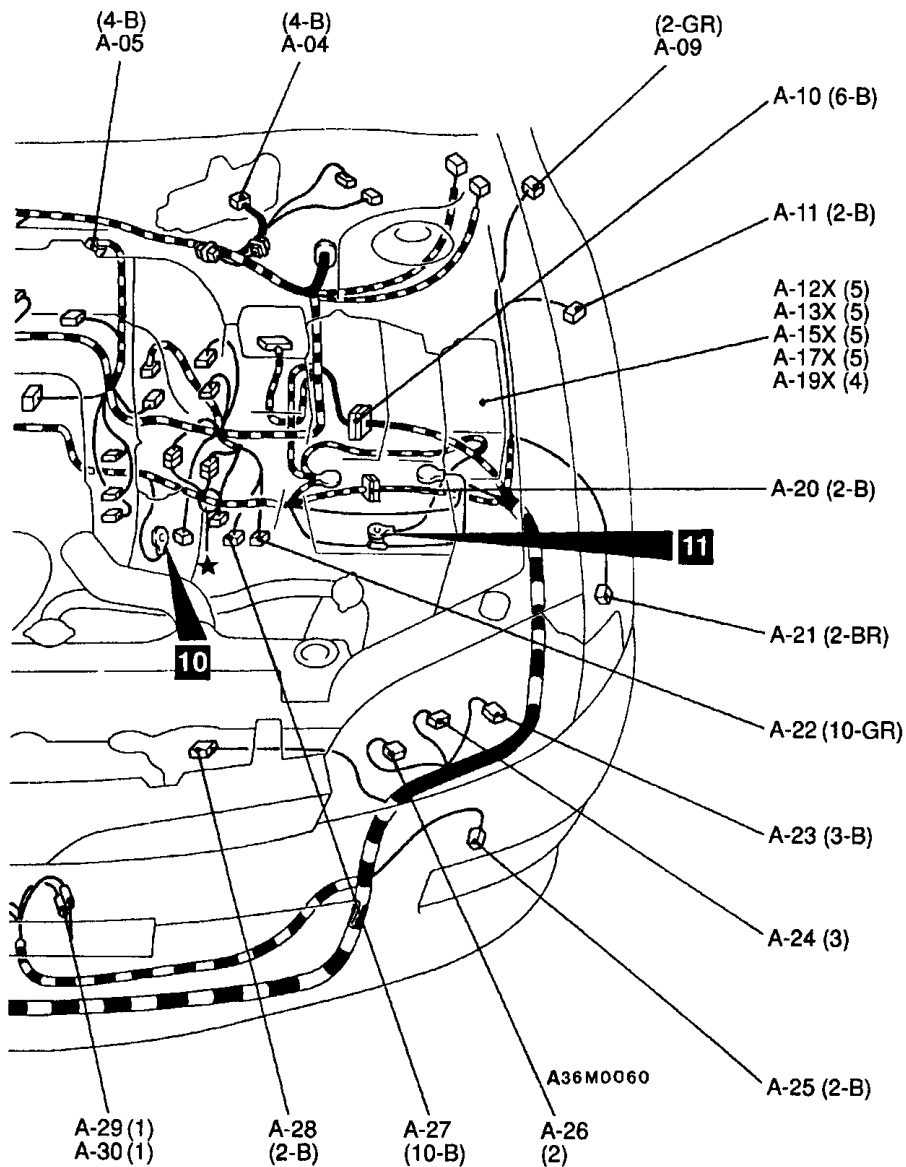
80100030492

4G92 <R.H. drive vehicles>



A-01 Dual pressure switch <A/C>
 A-02 Side turn signal lamp (RH)
 A-03 A/C wiring harness and control wiring harness combination
 A-04 Windshield wiper motor
 A-05 Throttle position sensor
 A-09 Side turn signal lamp (LH)
 A-10 Control wiring harness and front wiring harness combination
 A-11 Wheel speed sensor (front:LH) <ABS>
 A-12X Rear fog lamp relay
 A-13X Horn relay<SRS>

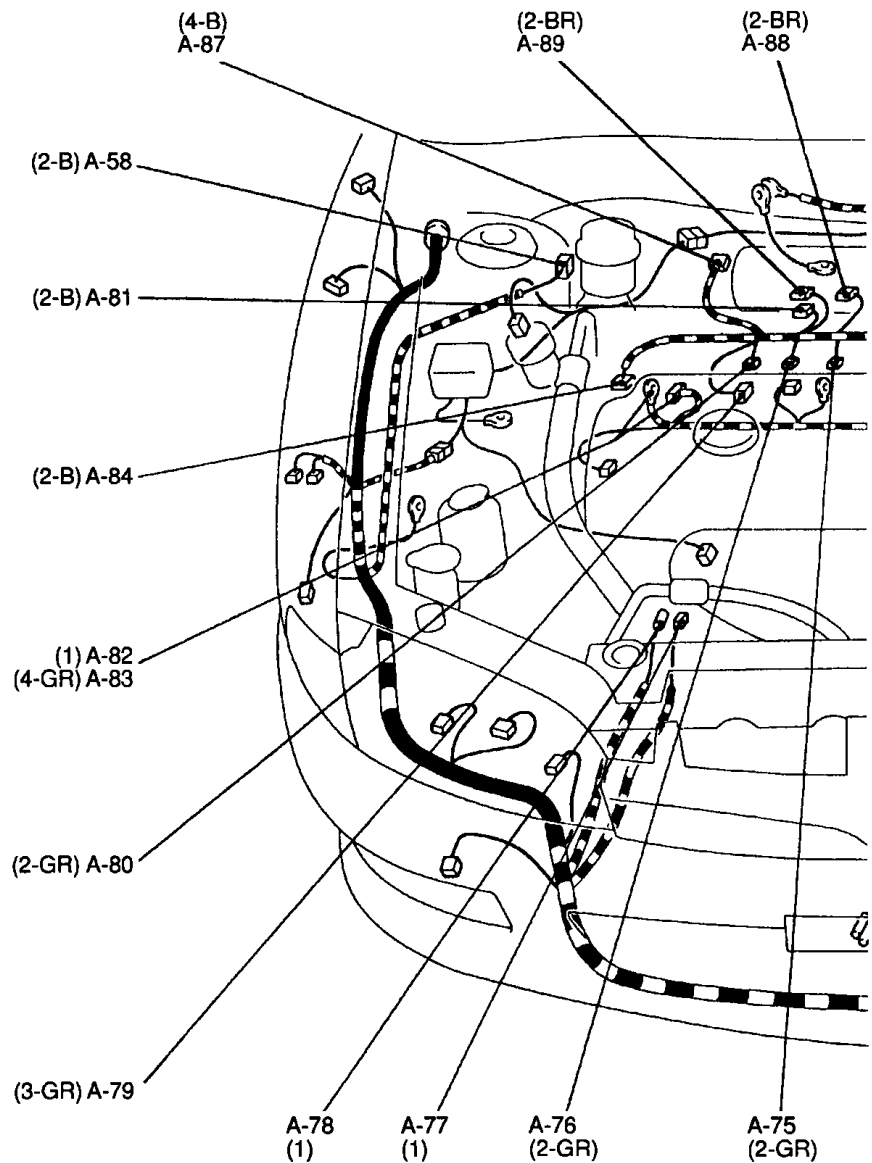
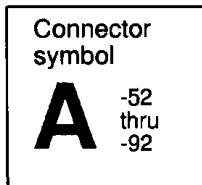
A-15X Radiator fan relay
 A-17X Headlamp relay
 A-19X Alternator relay
 A-20 Battery cable wiring harness and front wiring harness combination
 A-21 Front turn signal lamp (LH)
 A-22 A/T control solenoid valve assembly
 A-23 Headlamp (LH)
 A-24 Headlamp leveling unit (LH)
 A-25 Front fog lamp (LH)
 A-26 Position lamp (LH)



A-27 Inhibitor switch <A/T>
 A-28 Radiator fan motor
 A-29 Horn (HI)
 A-30 Horn (HI)
 A-31 Horn (LO)
 A-32 Horn (LO)
 A-33 Starter
 A-34 Starter
 A-35 Condenser fan motor
 A-36 Position lamp (RH)
 A-37 Front fog lamp (RH)

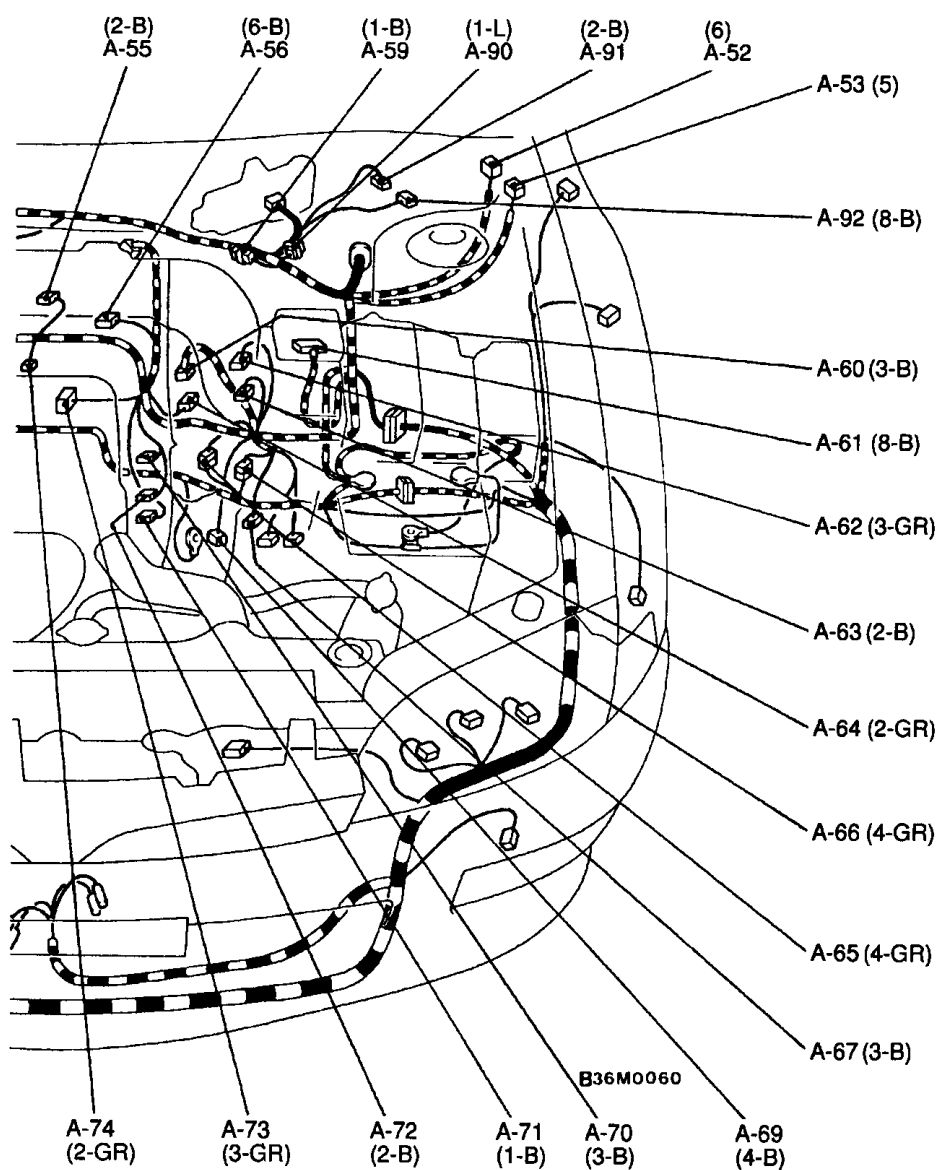
A-38 Headlamp leveling unit (RH)
 A-39 Headlamp (RH)
 A-40 Oil pressure switch
 A-41 Front turn signal lamp (RH)
 A-42 Rear washer motor
 A-43 Windshield washer motor
 A-45 A/C wiring harness and front wiring harness combination
 A-46X Condenser fan relay
 A-50X A/C compressor relay
 A-51 Wheel speed sensor (front:RH) <ABS>

4G92 <R.H. drive vehicles>



A-52 ABS valve relay
 A-53 ABS motor relay
 A-55 Air bypass solenoid valve <MVV>
 A-56 Idle speed control servo
 A-58 Brake fluid level sensor
 A-59 Fuel pump check connector
 A-60 Vehicle speed sensor
 A-61 Air flow sensor
 A-62 Output shaft speed sensor <A/T>
 A-63 Back-up lamp switch <M/T>

A-64 Detonation sensor
 A-65 Battery cable wiring harness and control wiring harness combination <M/T>
 A-66 Battery cable wiring harness and control wiring harness combination <A/T>
 A-67 Input shaft position sensor <A/T>
 A-69 Oxygen sensor <MVV>
 A-70 Camshaft position sensor
 A-71 Engine coolant temperature gauge unit



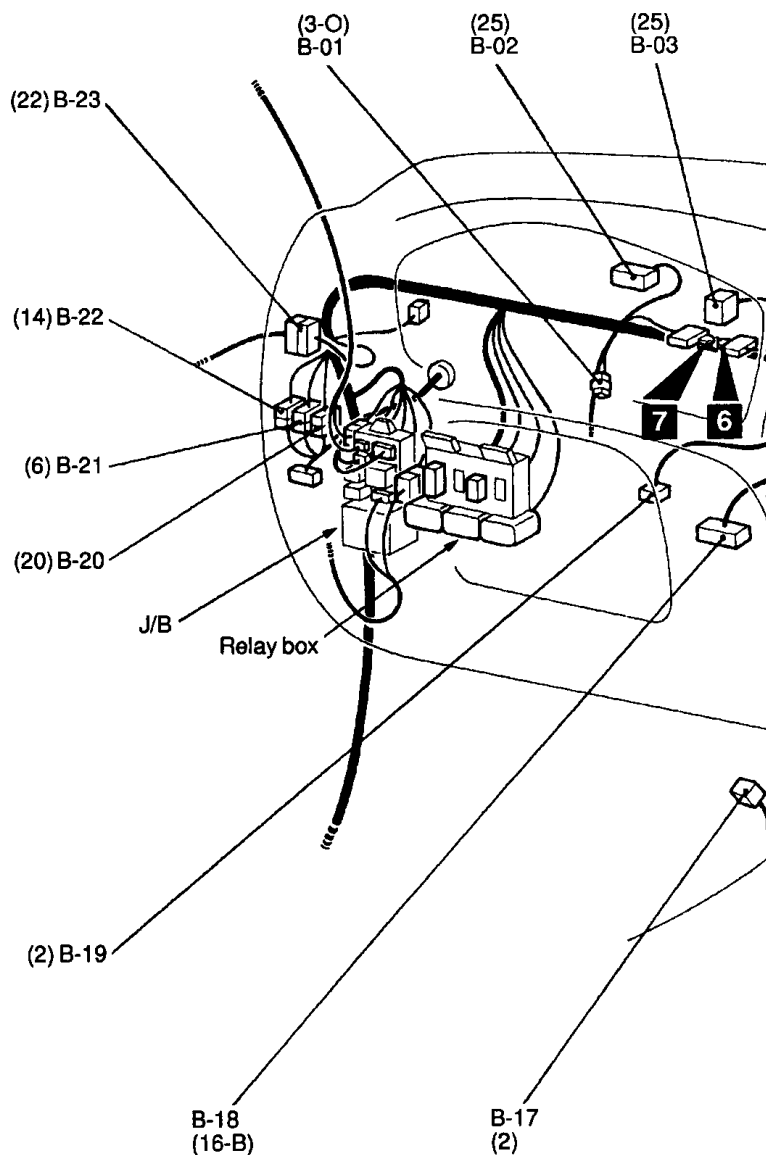
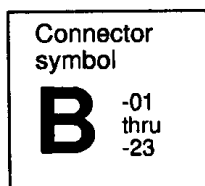
A-72 Engine coolant temperature sensor
 A-73 Ignition coil 1
 A-74 Injector 4
 A-75 Injector 3
 A-76 Injector 2
 A-77 A/C refrigerant temperature switch and magnetic clutch
 A-78 Power steering oil pressure switch
 A-79 Ignition coil 2
 A-80 Injector 1

A-81 Purge control solenoid valve
 A-82 Alternator
 A-83 Alternator
 A-84 Crank angle sensor
 A-87 Oxygen sensor <except MVV>
 A-88 EGR solenoid valve <except MVV>
 A-89 EGR solenoid valve <MVV>
 A-90 Engine speed detection connector
 A-91 ABS hydraulic unit
 A-92 ABS hydraulic unit

DASH PANEL

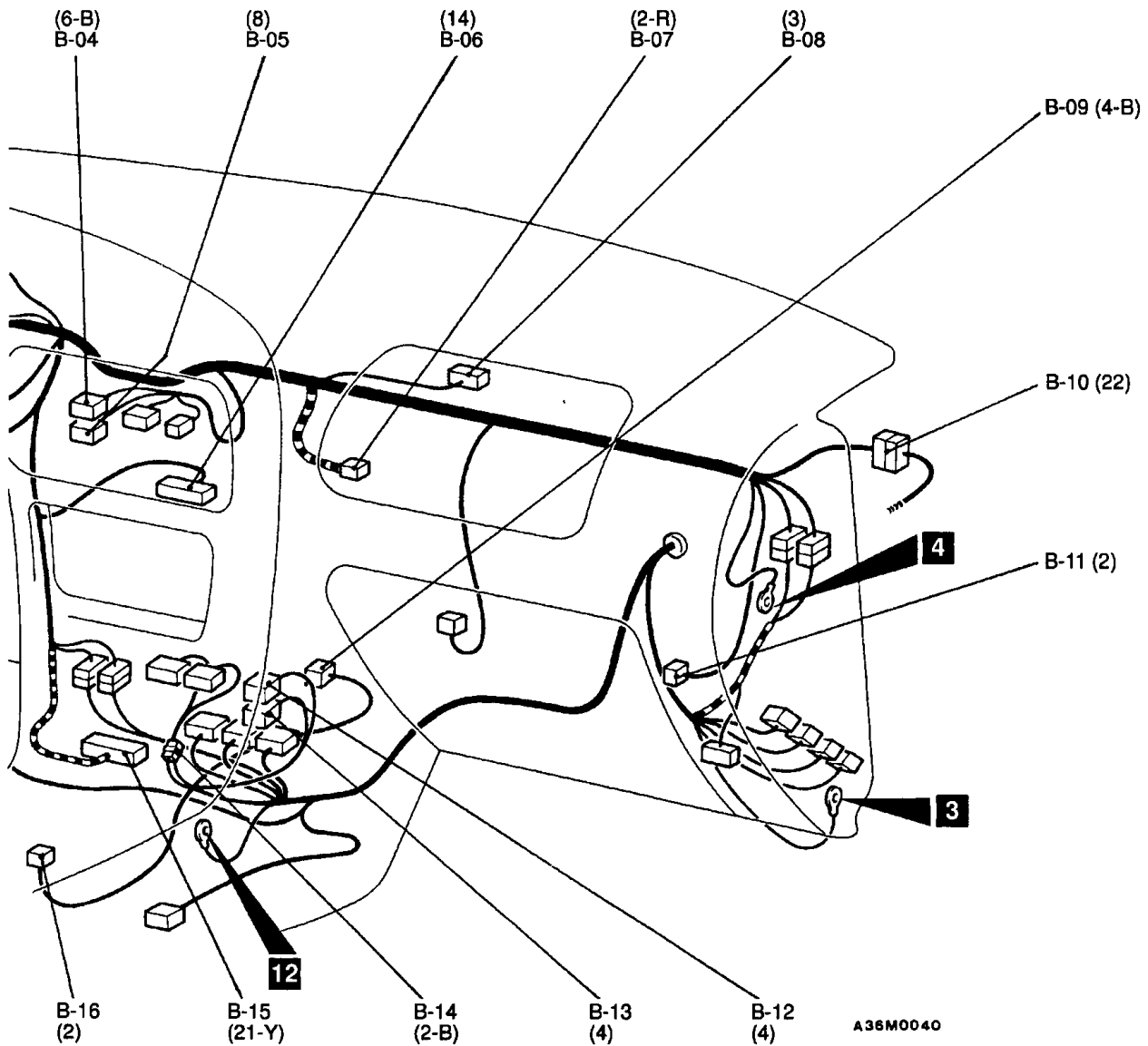
80100060200

L.H. drive vehicles



B-01 Diode (for headlamp and rear fog lamp circuit)
 B-02 Combination meter
 B-03 Combination meter
 B-04 Defogger switch
 B-05 A/C switch
 B-06 Radio and tape player
 B-07 Air bag module (squib) (passenger's side)
 B-08 Thermostat <A/C>

B-09 A/T relay
 B-10 Front door wiring harness (passenger's side) and
 body wiring harness combination
 B-11 Blower motor
 B-12 Fuel pump relay
 B-13 Engine control relay
 B-14 Diode (for ABS circuit)



B-15 SRS-ECU
 B-16 A/T selector lever position illumination lamp
 B-17 Wide open throttle switch <A/T>
 B-18 Diagnosis connector
 B-19 Stop lamp switch
 B-20 Front wiring harness and body wiring harness combination

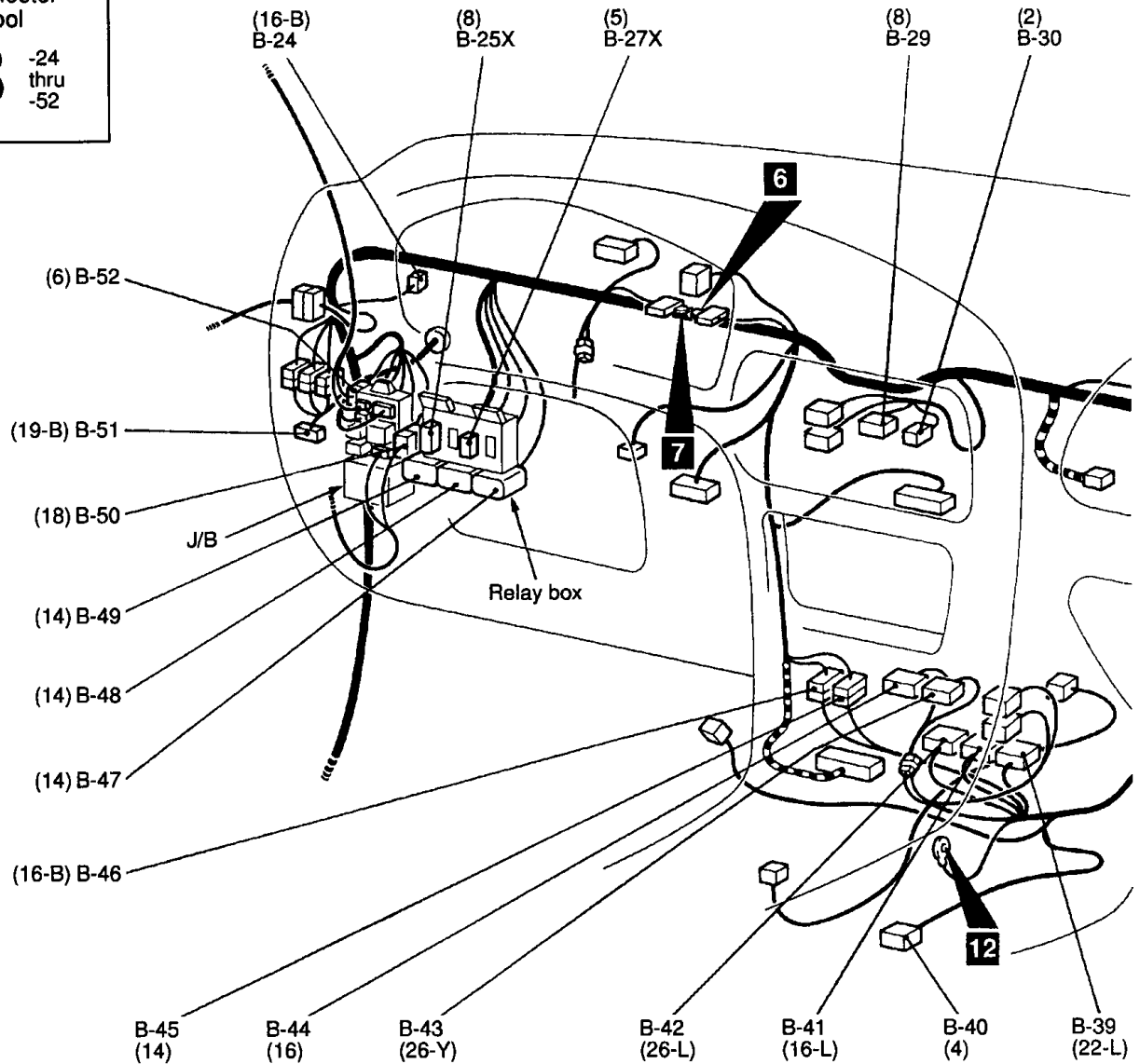
B-21 Front wiring harness and body wiring harness combination
 B-22 Front wiring harness and body wiring harness combination
 B-23 Front door wiring harness (driver's side) and body wiring harness combination

L.H. drive vehicles

Connector
symbol

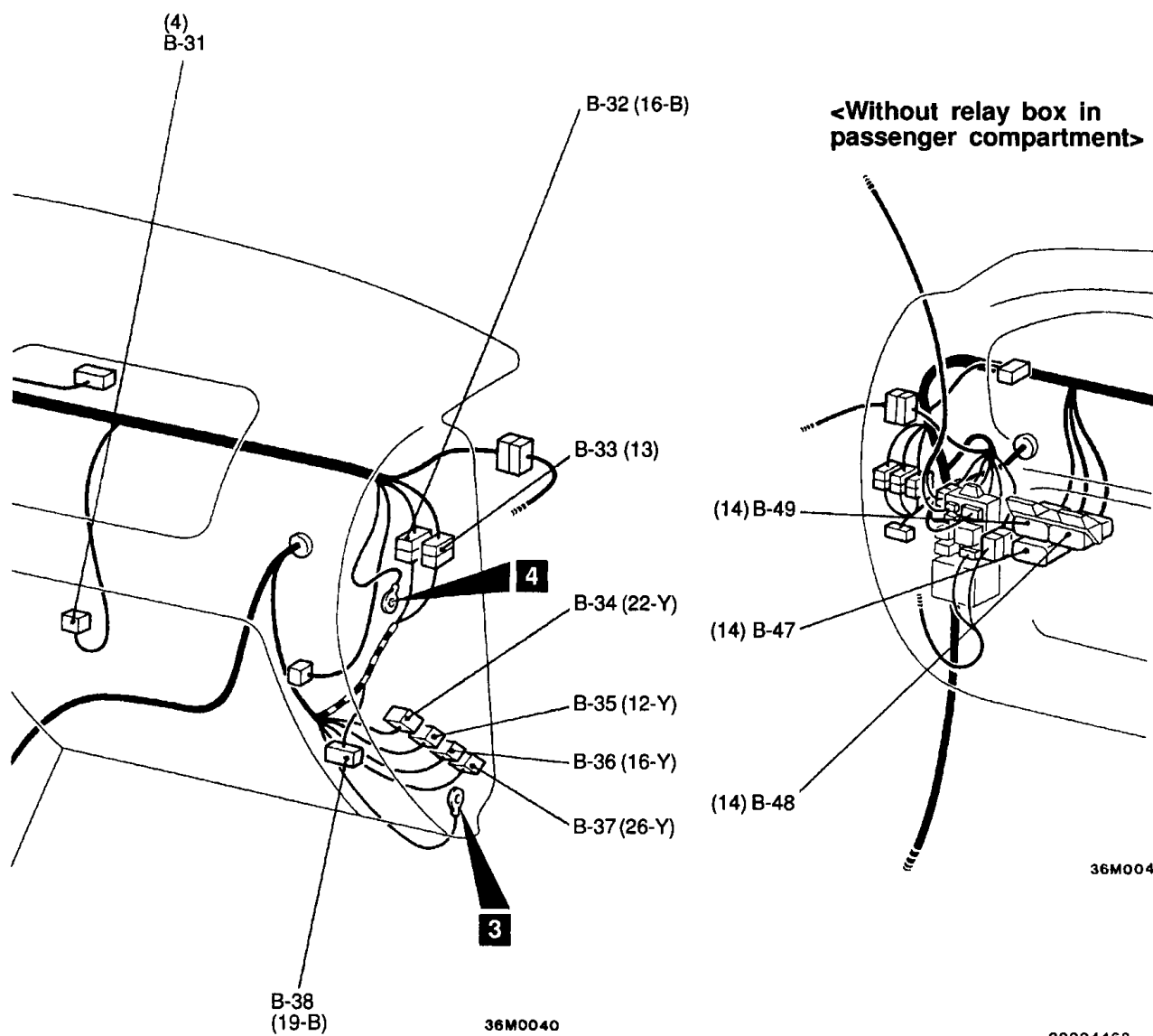
B

-24
thru
-52



B-24 Immobilizer-ECU
 B-25X Rear intermittent wiper relay
 B-27X Power window relay
 B-29 Blower switch
 B-30 Blower control illumination lamp
 B-31 Resistor
 B-32 Control wiring harness and body wiring harness combination

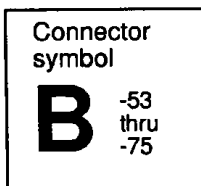
B-33 Control wiring harness and body wiring harness combination
 B-34 Engine ECU
 B-35 Engine ECU
 B-36 Engine ECU
 B-37 Engine ECU
 B-38 J/C (5)



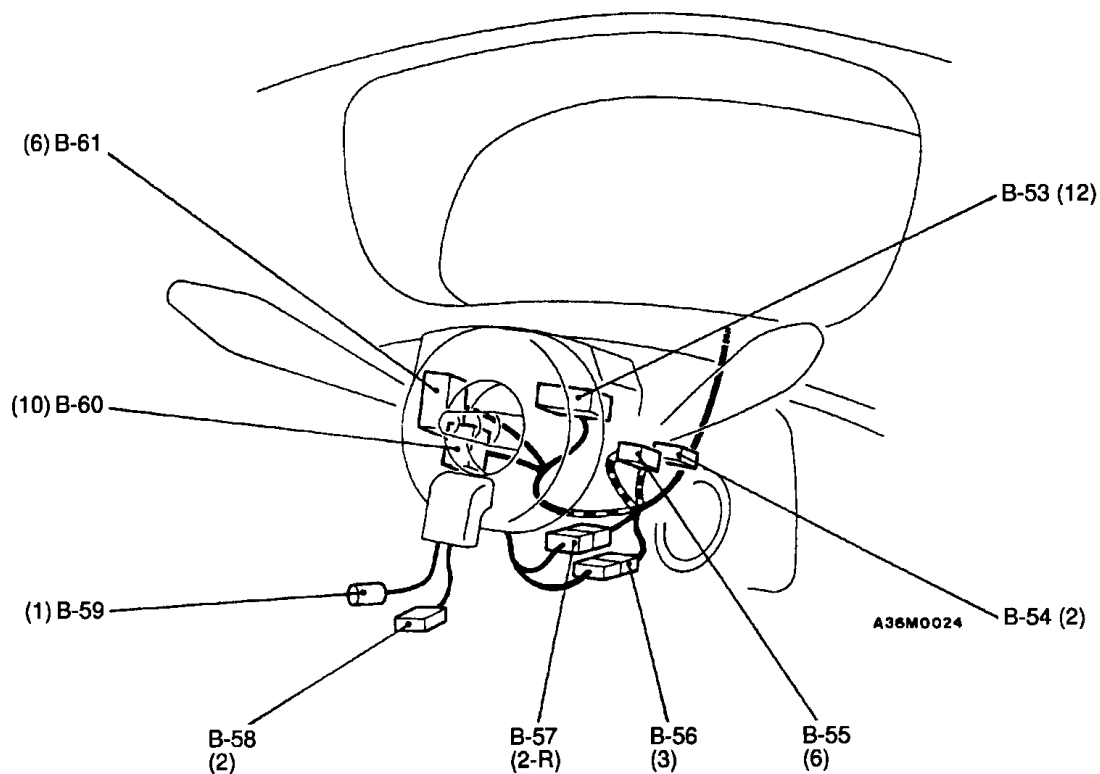
B-39 ELC-4A/T-ECU
 B-40 Oxygen sensor (rear) <4G13>
 B-41 ELC-4A/T-ECU
 B-42 ELC-4A/T-ECU
 B-43 ABS-ECU
 B-44 ABS-ECU
 B-45 Control wiring harness and body wiring harness combination <A/T>
 B-46 Control wiring harness and body wiring harness combination <ABS>

B-47 J/C (4)
 B-48 J/C (3)
 B-49 J/C (2)
 B-50 Instrument panel wiring harness and body wiring harness combination
 B-51 J/C (1)
 B-52 Roof wiring harness and body wiring harness combination <Sunroof>

L.H. drive vehicles



Steering column

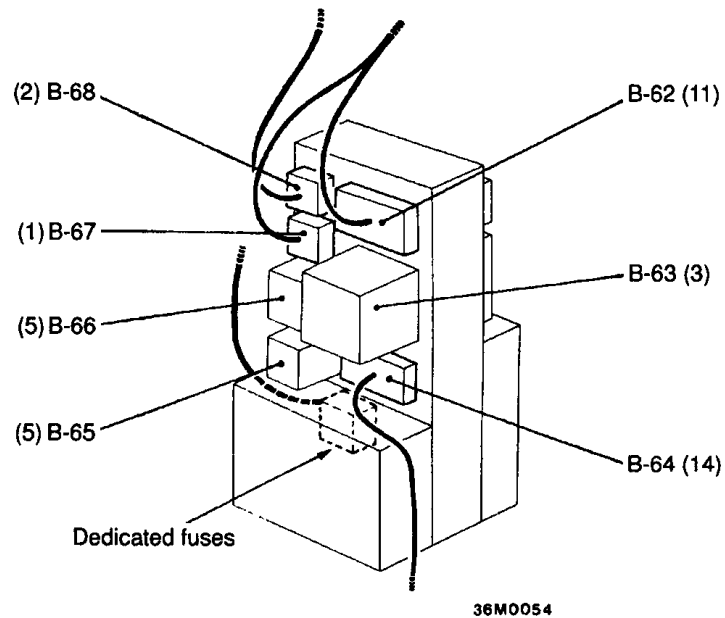


- B-53 Column switch
- B-54 Ignition key ring antenna <Vehicles with immobilizer system>
- B-55 Ignition switch
- B-56 Clock spring <SRS>
- B-57 Clock spring <SRS>
- B-58 Air bag module (squib) (driver's side)
- B-59 Horn switch <SRS>
- B-60 Column switch
- B-61 Column switch
- B-62 Front wiring harness and J/B combination

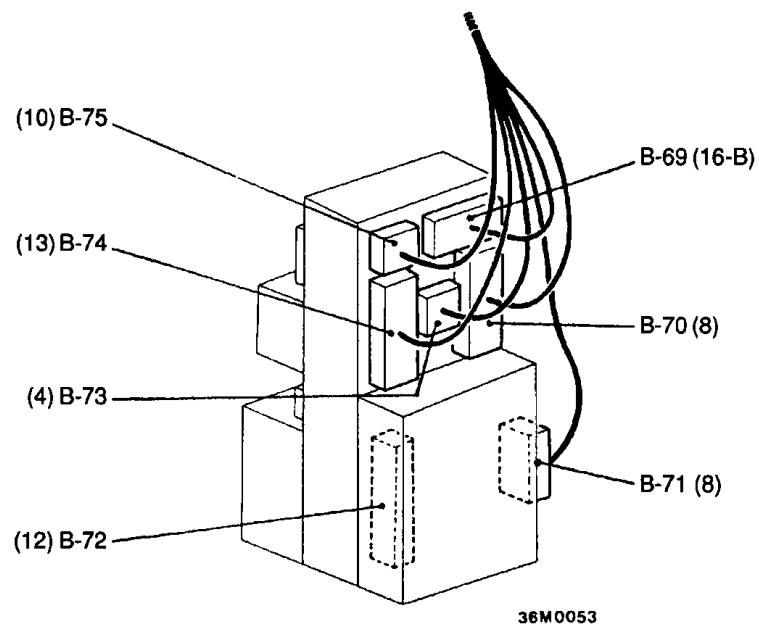
- B-63 Turn-signal and hazard warning flasher unit
- B-64 Instrument panel wiring harness and J/B combination
- B-65 Defogger relay
- B-66 Blower relay
- B-67 Front wiring harness and J/B combination
- B-68 Roof wiring harness and J/B combination
- B-69 Body wiring harness and J/B combination
- B-70 Body wiring harness and J/B combination
- B-71 ETACS-ECU

Junction block

(Front view)



(Rear view)



00004464

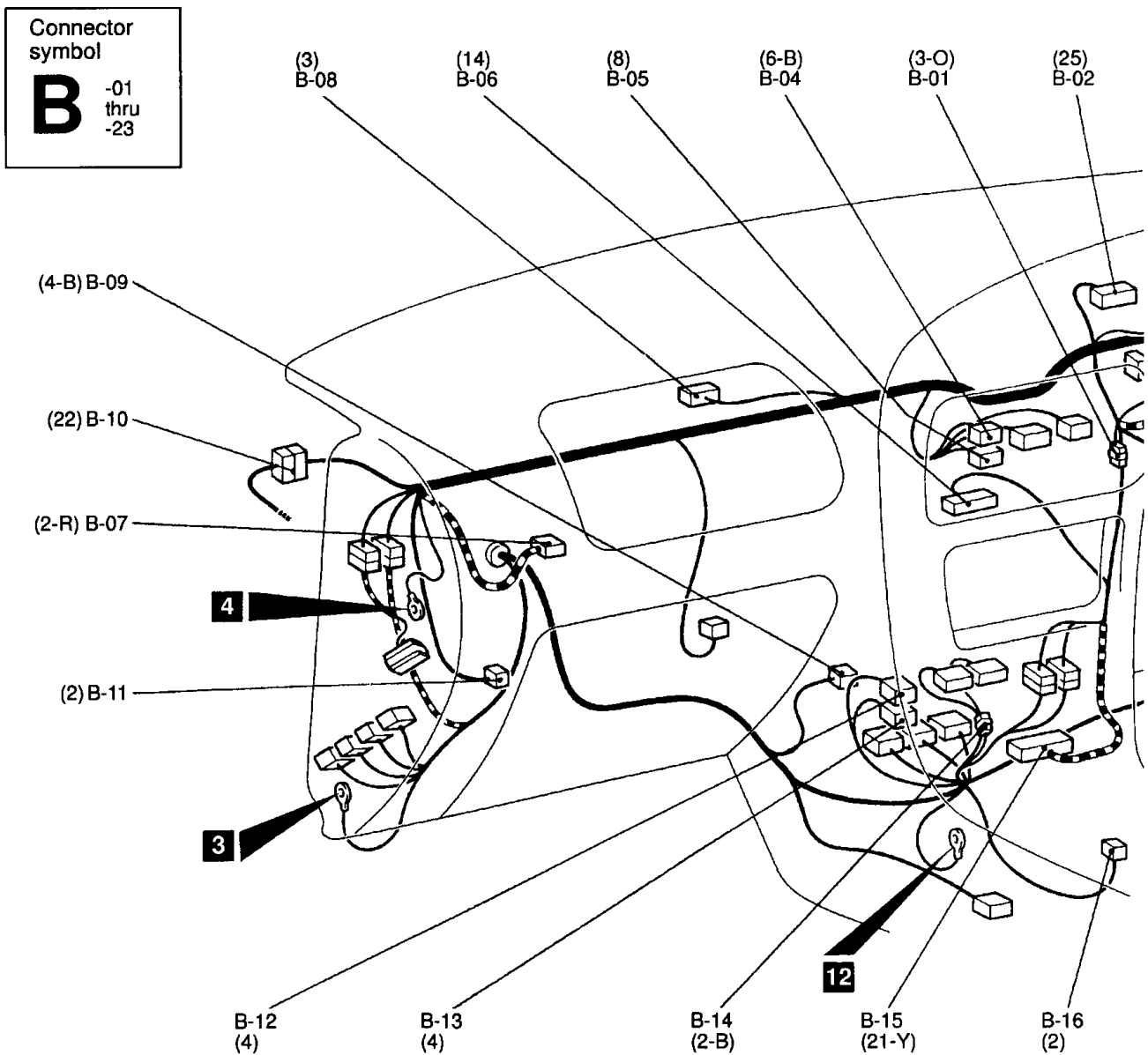
B-72 Buzzer-ECU or ETACS-ECU
 B-73 Body wiring harness and J/B combination <SRS>

B-74 Body wiring harness and J/B combination
 B-75 Body wiring harness and J/B combination

DASH PANEL

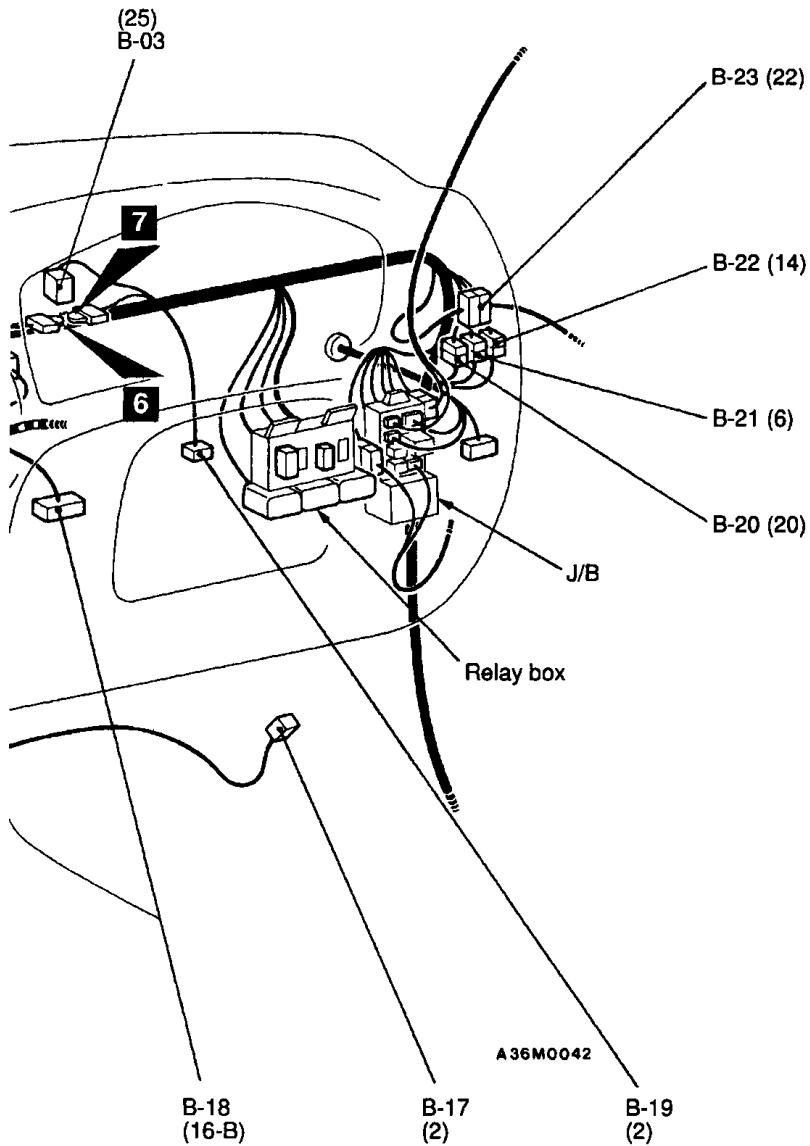
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R.H. drive vehicles



B-01 Diode (for headlamp and rear fog lamp circuit)
 B-02 Combination meter
 B-03 Combination meter
 B-04 Defogger switch
 B-05 A/C switch
 B-06 Radio and tape player
 B-07 Air bag module (squib) (passenger's side)
 B-08 Thermostat <A/C>

B-09 A/T relay
 B-10 Front door wiring harness (passenger's side) and body wiring harness combination
 B-11 Blower motor
 B-12 Fuel pump relay
 B-13 Engine control relay
 B-14 Diode (for ABS circuit)



B-15 SRS-ECU
 B-16 A/T selector lever position illumination lamp
 B-17 Wide open throttle switch <A/T>
 B-18 Diagnosis connector
 B-19 Stop lamp switch
 B-20 Front wiring harness and body wiring harness combination

B-21 Front wiring harness and body wiring harness combination
 B-22 Front wiring harness and body wiring harness combination
 B-23 Front door wiring harness (driver's side) and body wiring harness combination

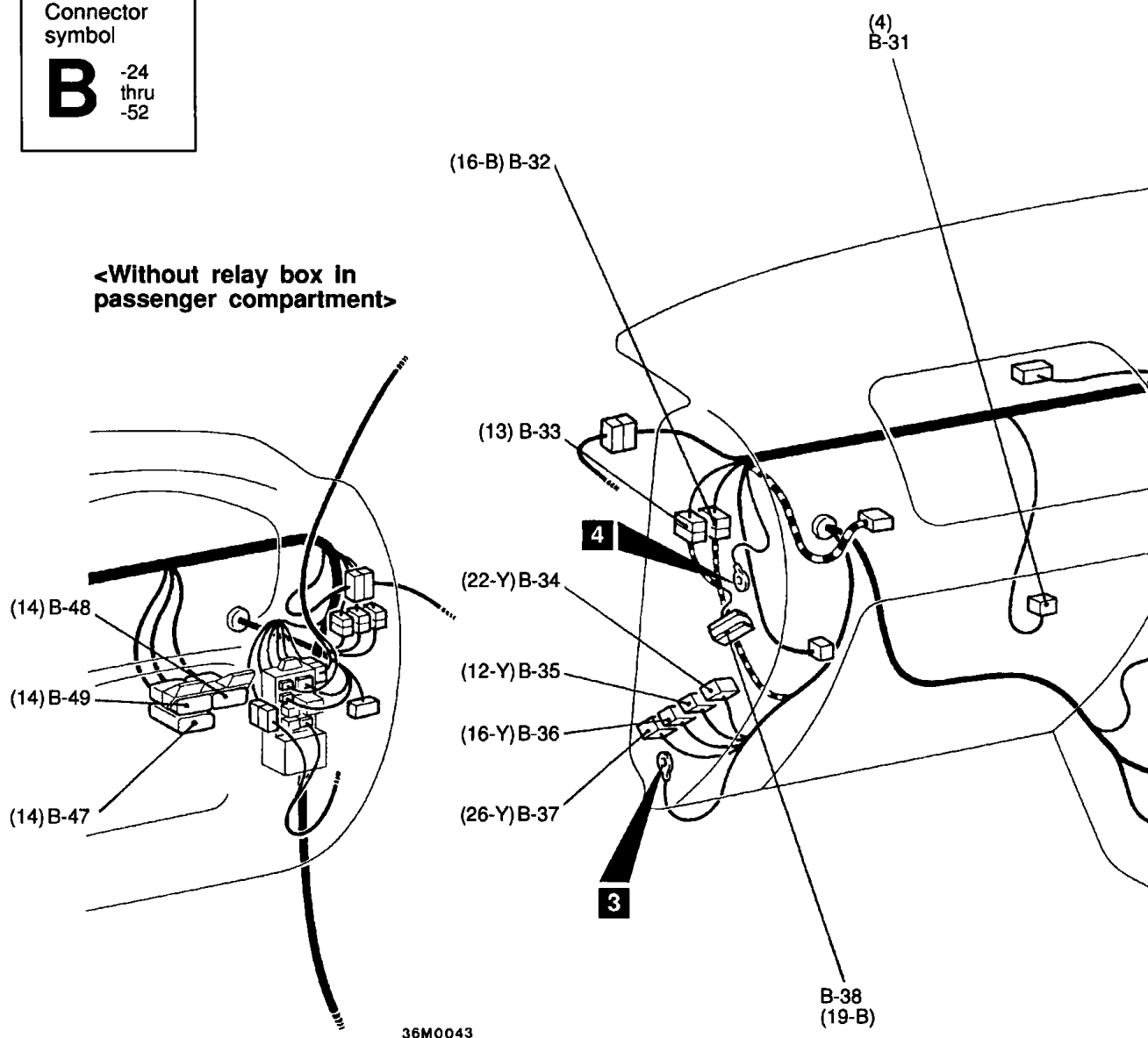
R.H. drive vehicles

Connector
symbol

B

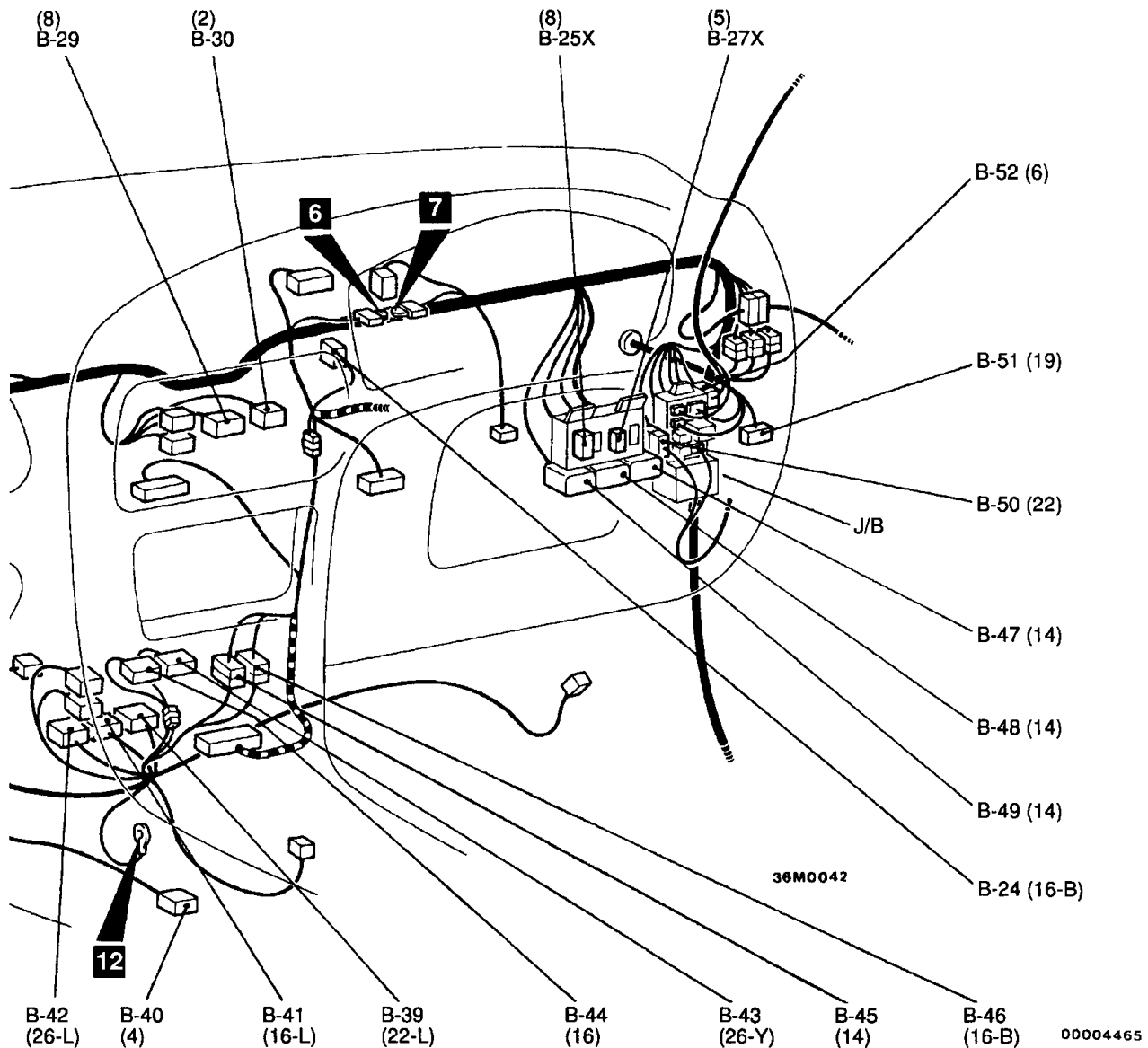
-24
thru
-52

<Without relay box in
passenger compartment>



B-24 Immobilizer-ECU
 B-25X Rear intermittent wiper relay
 B-27X Power window relay
 B-29 Blower switch
 B-30 Blower control illumination lamp
 B-31 Resistor
 B-32 Control wiring harness and body wiring harness combination

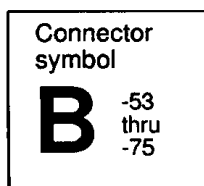
B-33 Control wiring harness and body wiring harness combination
 B-34 Engine ECU
 B-35 Engine ECU
 B-36 Engine ECU
 B-37 Engine ECU
 B-38 J/C (5)



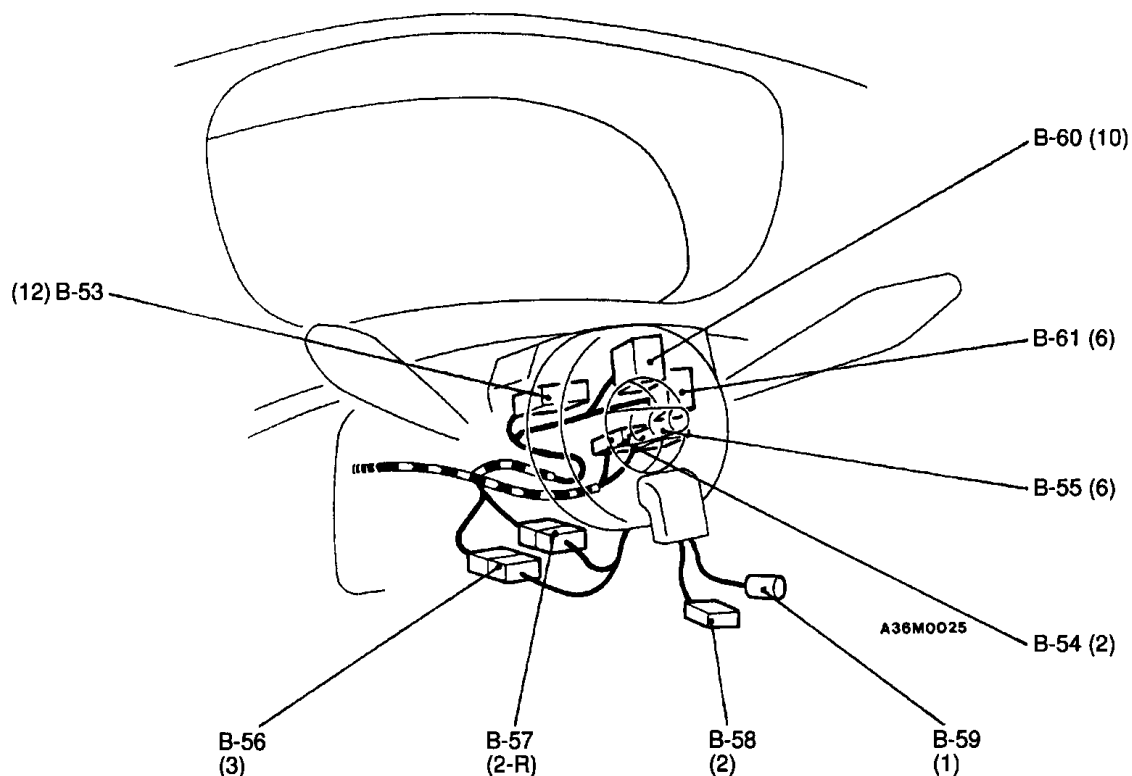
B-39 ELC-4A/T-ECU
 B-40 Oxygen sensor (rear) <4G13>
 B-41 ELC-4A/T-ECU
 B-42 ELC-4A/T-ECU
 B-43 ABS-ECU
 B-44 ABS-ECU
 B-45 Control wiring harness and body wiring harness combination <A/T>
 B-46 Control wiring harness and body wiring harness combination <ABS>

B-47 J/C (4)
 B-48 J/C (3)
 B-49 J/C (2)
 B-50 Instrument panel wiring harness and body wiring harness combination
 B-51 J/C (1)
 B-52 Roof wiring harness and body wiring harness combination <Sunroof>

R.H. drive vehicles



Steering column

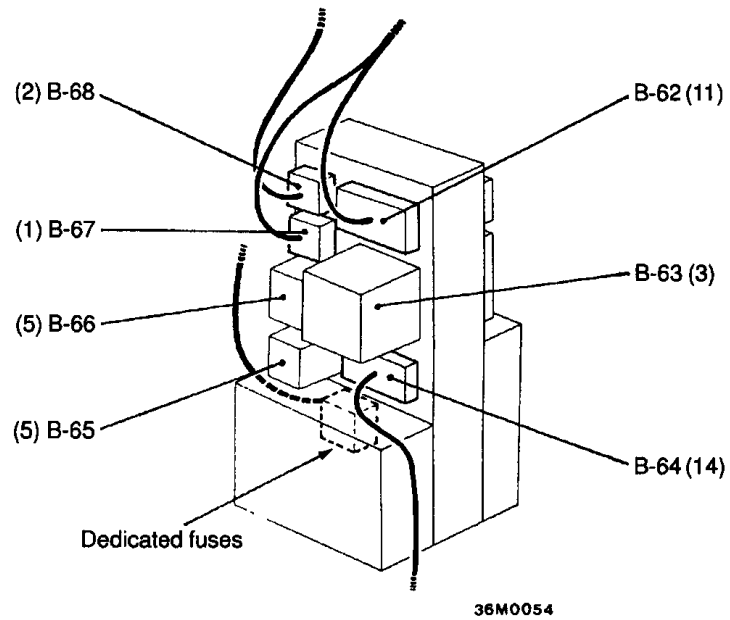


B-53 Column switch
 B-54 Ignition key ring antenna <Vehicles with immobilizer system>
 B-55 Ignition switch
 B-56 Clock spring <SRS>
 B-57 Clock spring <SRS>
 B-58 Air bag module (squib) (driver's side)
 B-59 Horn switch <SRS>
 B-60 Column switch
 B-61 Column switch
 B-62 Front wiring harness and J/B combination

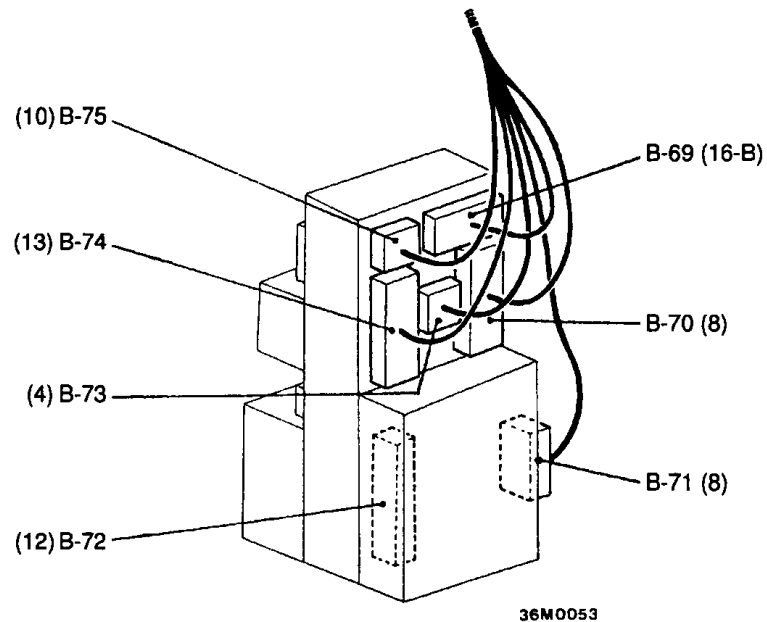
B-63 Turn-signal and hazard warning flasher unit
 B-64 Instrument panel wiring harness and J/B combination
 B-65 Defogger relay
 B-66 Blower relay
 B-67 Front wiring harness and J/B combination
 B-68 Roof wiring harness and J/B combination
 B-69 Body wiring harness and J/B combination
 B-70 Body wiring harness and J/B combination
 B-71 ETACS-ECU

Junction block

(Front view)



(Rear view)



00004464

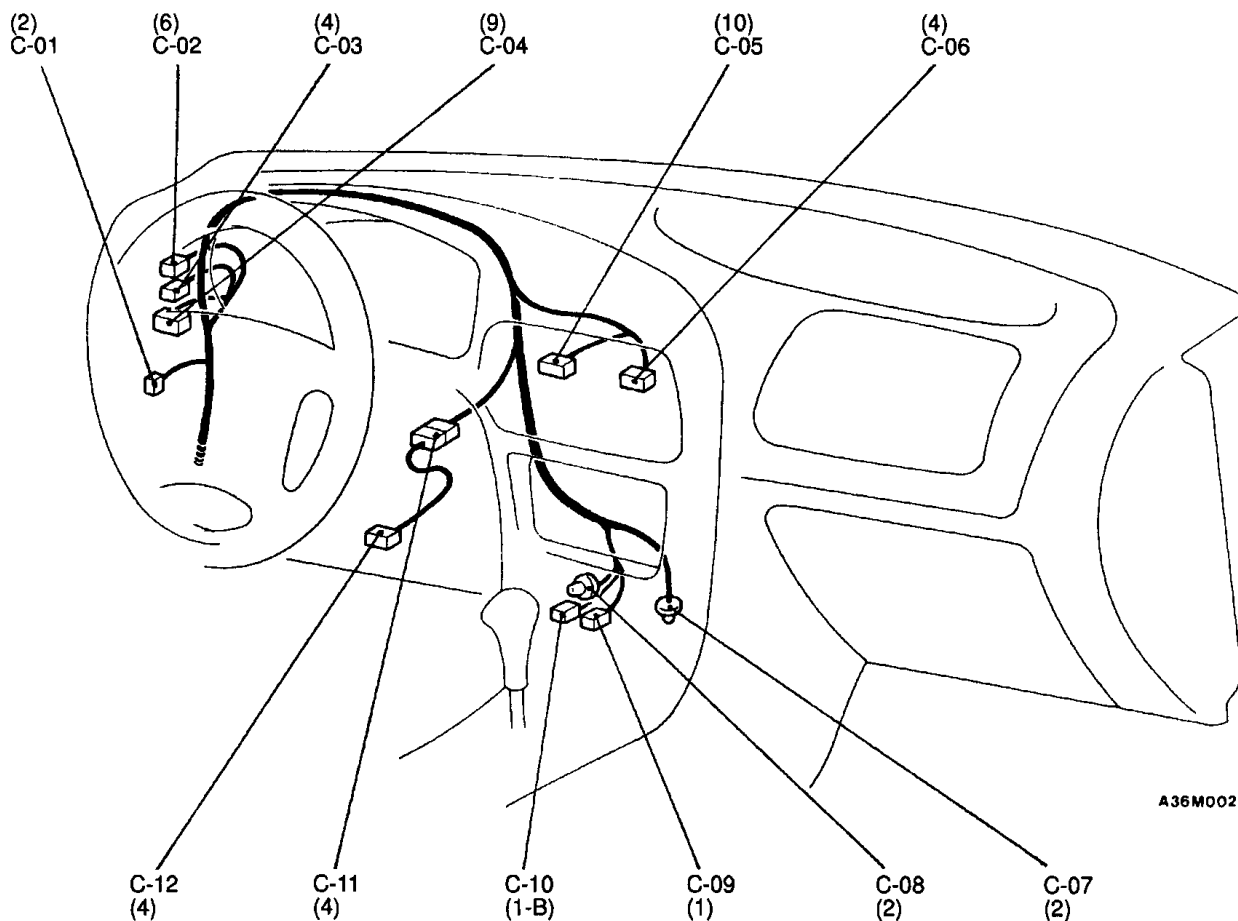
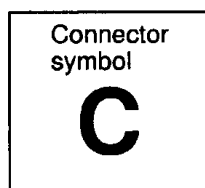
B-72 Buzzer-ECU or ETACS-ECU
 B-73 Body wiring harness and J/B combination <SRS>

B-74 Body wiring harness and J/B combination
 B-75 Body wiring harness and J/B combination

INSTRUMENT PANEL

80100070098

L.H. drive vehicles



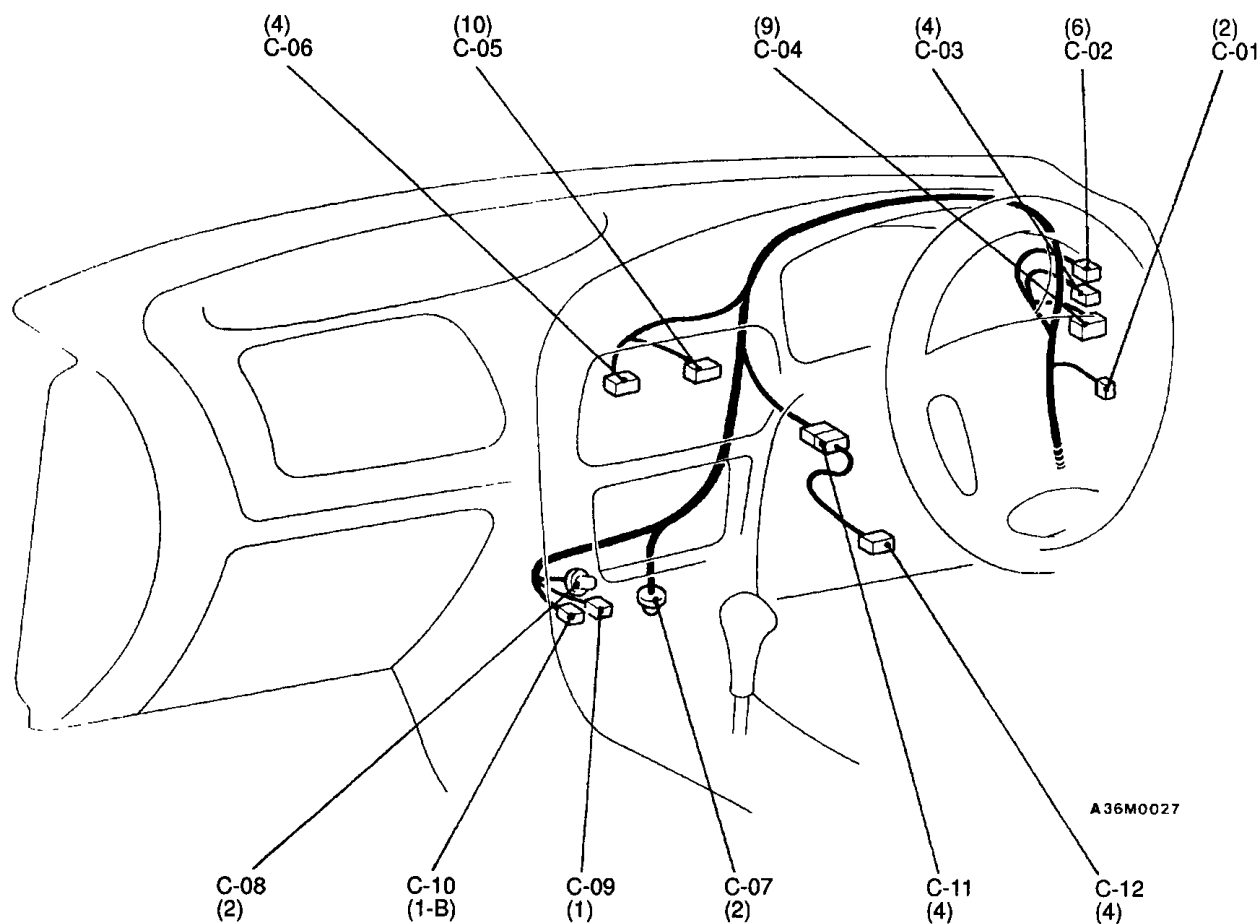
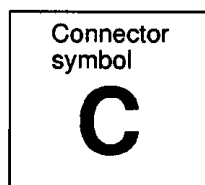
A36M0026

C-01	Rheostat	C-08	Cigarette lighter illumination lamp
C-02	Front fog lamp switch	C-09	Cigarette lighter
C-03	Rear fog lamp switch	C-10	Cigarette lighter
C-04	Remote controlled mirror switch	C-11	Headlamp leveling sub wiring harness and instrument panel wiring harness combination <Sedan>
C-05	Hazard warning switch	C-12	Headlamp leveling switch
C-06	Clock		
C-07	Ashtray illumination lamp		

INSTRUMENT PANEL

80100070104

R.H. drive vehicles

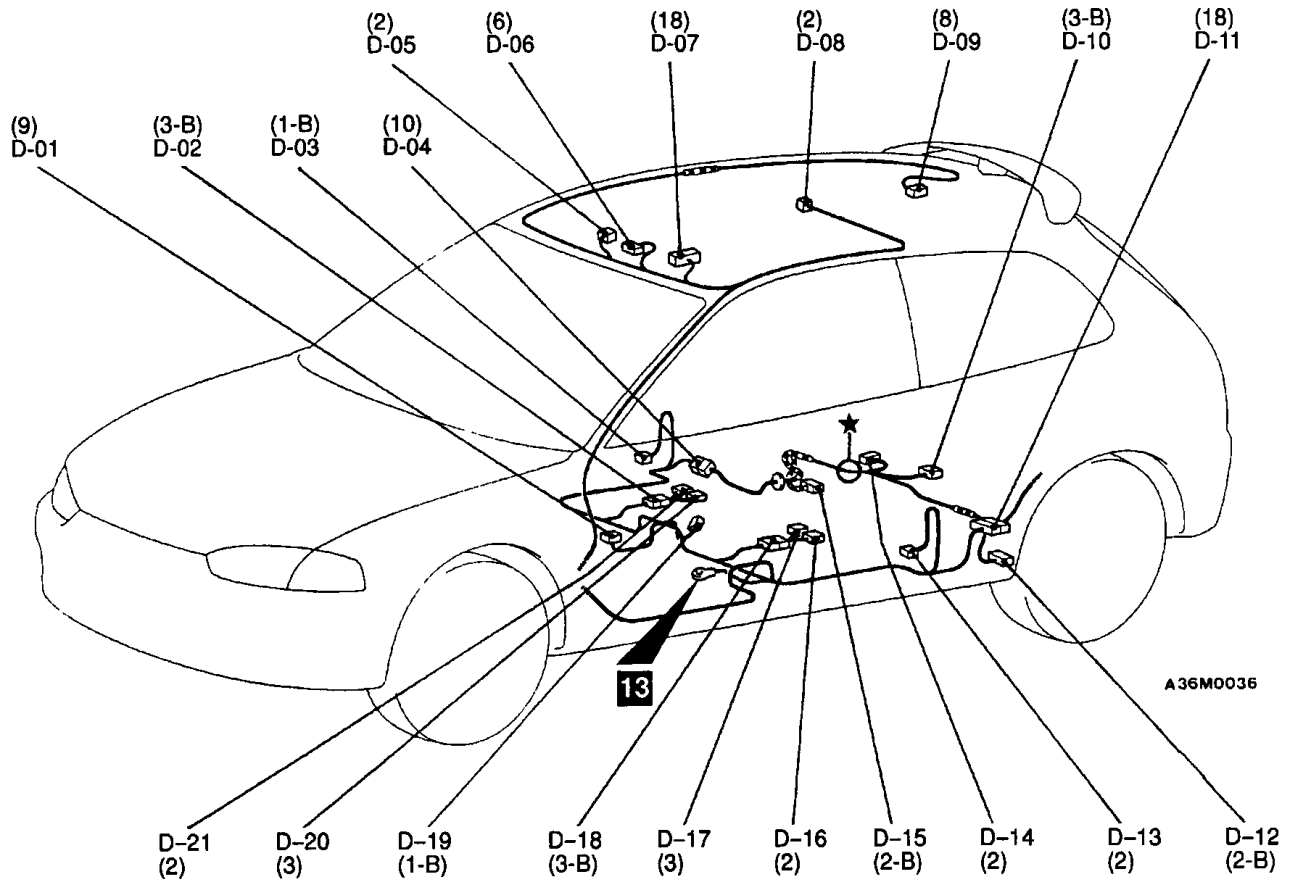
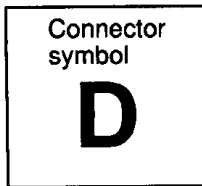


- | | | | |
|------|---------------------------------|------|--|
| C-01 | Rheostat | C-08 | Cigarette lighter illumination lamp |
| C-02 | Front fog lamp switch | C-09 | Cigarette lighter |
| C-03 | Rear fog lamp switch | C-10 | Cigarette lighter |
| C-04 | Remote controlled mirror switch | C-11 | Headlamp leveling sub wiring harness and instrument panel wiring harness combination <Sedan> |
| C-05 | Hazard warning switch | C-12 | Headlamp leveling switch |
| C-06 | Clock | | |
| C-07 | Ashtray illumination lamp | | |

FLOOR AND ROOF

80100090186

Hatchback <L.H. drive vehicles>

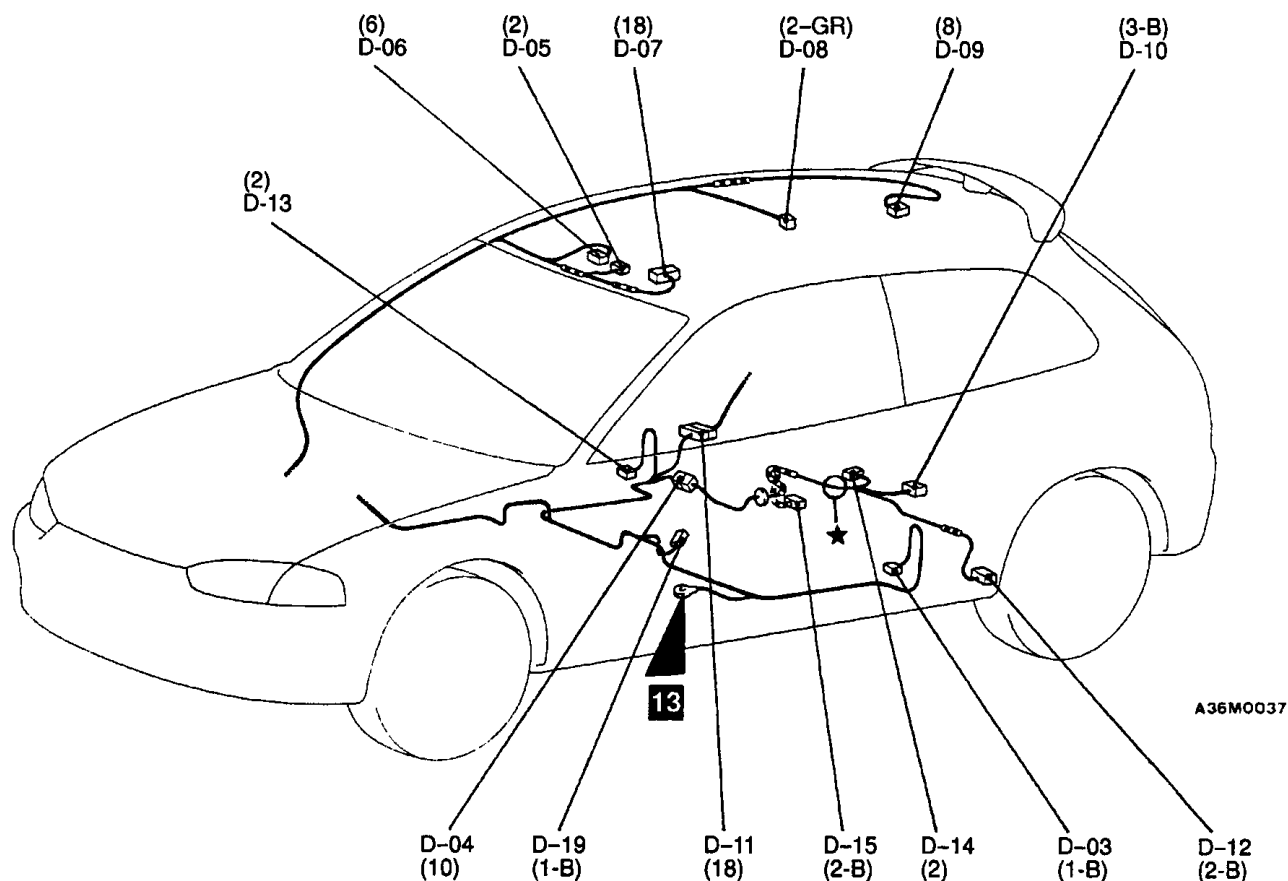
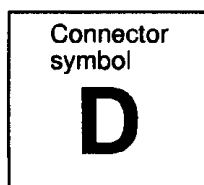


- | | | | |
|------|---|------|---|
| D-01 | Heated seat switch | D-12 | Wheel speed sensor (rear:LH) <ABS> |
| D-02 | Body wiring harness and heated seat wiring harness (RH) combination | D-13 | Front door switch (driver's side) |
| D-03 | Front door switch (passenger's side) | D-14 | Fuel pump |
| D-04 | Fuel pump wiring harness and body wiring harness combination | D-15 | Wheel speed sensor (rear:RH) <ABS> |
| D-05 | Room lamp <with sunroof> | D-16 | Seat back heater (LH) |
| D-06 | Sunroof switch | D-17 | Seat cushion heater (LH) |
| D-07 | Sunroof-ECU | D-18 | Body wiring harness and heated seat wiring harness (LH) combination |
| D-08 | Room lamp <without sunroof> | D-19 | Parking brake switch |
| D-09 | Sunroof motor | D-20 | Seat cushion heater (RH) |
| D-10 | Fuel gauge unit | D-21 | Seat back heater (RH) |
| D-11 | Rear wiring harness and body wiring harness combination | | |

FLOOR AND ROOF

80100090193

Hatchback <R.H. drive vehicles>



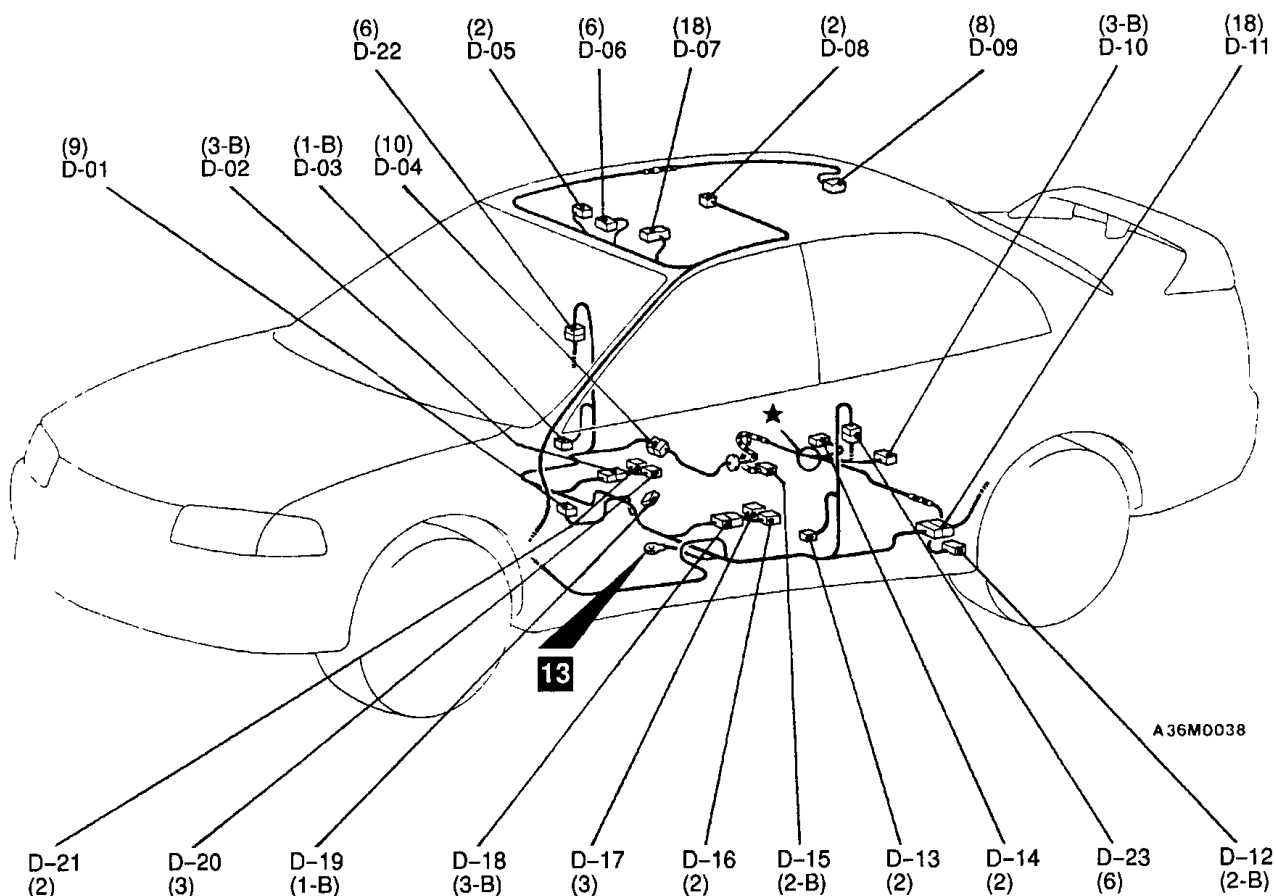
- D-03 Front door switch (passenger's side)
- D-04 Fuel pump wiring harness and body wiring harness combination
- D-05 Room lamp <with sunroof>
- D-06 Sunroof switch
- D-07 Sunroof-ECU
- D-08 Room lamp <without sunroof>
- D-09 Sunroof motor

- D-10 Fuel gauge unit
- D-11 Rear wiring harness and body wiring harness combination
- D-12 Wheel speed sensor (rear:LH) <ABS>
- D-13 Front door switch (driver's side)
- D-14 Fuel pump
- D-15 Wheel speed sensor (rear:RH) <ABS>
- D-19 Parking brake switch

FLOOR AND ROOF

80100090209

Sedan <L.H. drive vehicles>

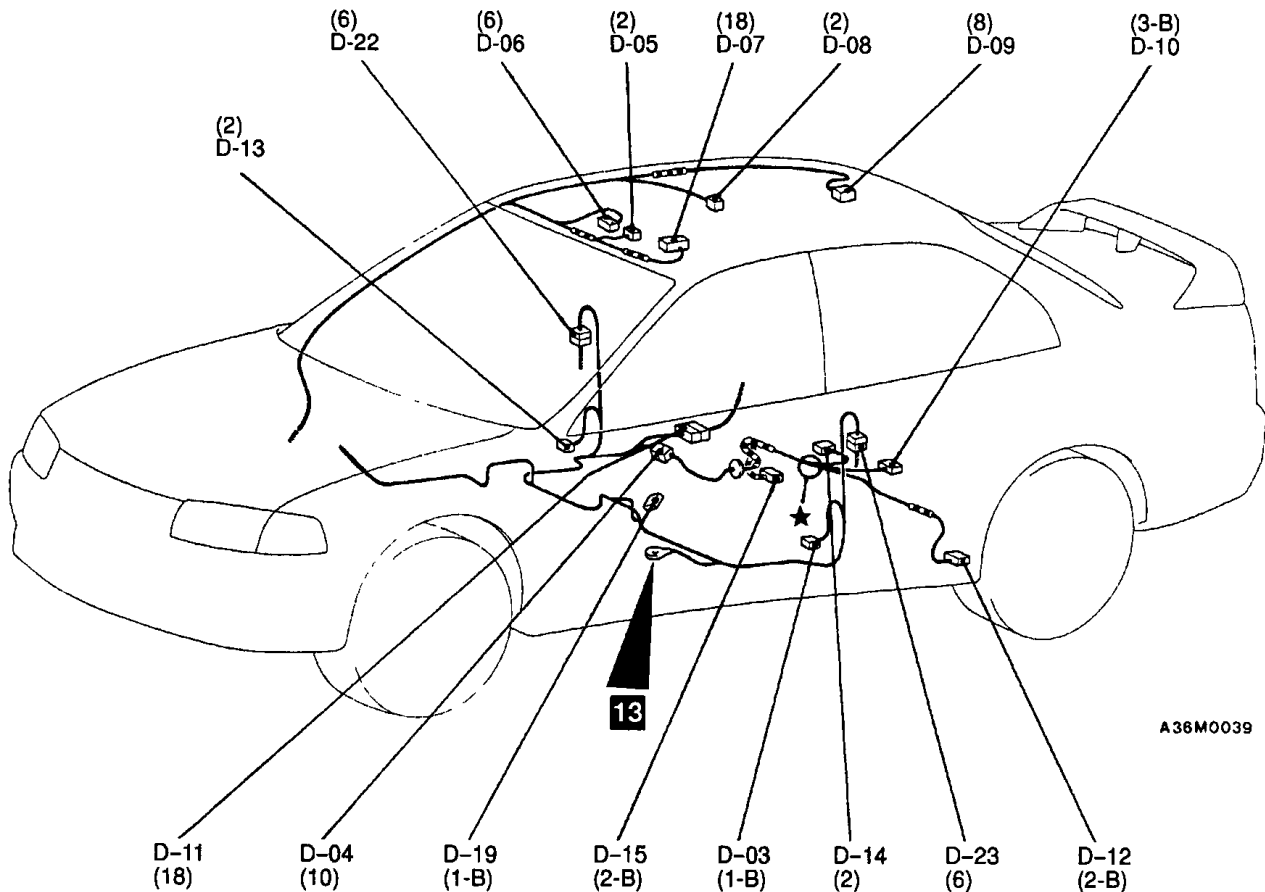
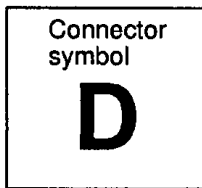
Connector
symbol**D**

- | | | | |
|------|---|------|---|
| D-01 | Heated seat switch | D-13 | Front door switch (driver's side) |
| D-02 | Body wiring harness and heated seat wiring harness (RH) combination | D-14 | Fuel pump |
| D-03 | Front door switch (passenger's side) | D-15 | Wheel speed sensor (rear:RH) <ABS> |
| D-04 | Fuel pump wiring harness and body wiring harness combination | D-16 | Seat back heater (LH) |
| D-05 | Room lamp <with sunroof> | D-17 | Seat cushion heater (LH) |
| D-06 | Sunroof switch | D-18 | Body wiring harness and heated seat wiring harness (LH) combination |
| D-07 | Sunroof-ECU | D-19 | Parking brake switch |
| D-08 | Room lamp <without sunroof> | D-20 | Seat cushion heater (RH) |
| D-09 | Sunroof motor | D-21 | Seat back heater (RH) |
| D-10 | Fuel gauge unit | D-22 | Rear door wiring harness (RH) and body wiring harness combination |
| D-11 | Rear wiring harness and body wiring harness combination | D-23 | Rear door wiring harness (LH) and body wiring harness combination |
| D-12 | Wheel speed sensor (rear:LH) <ABS> | | |

FLOOR AND ROOF

80100090216

Sedan <R.H. drive vehicles>



- | | | | |
|------|--|------|---|
| D-03 | Front door switch (passenger's side) | D-12 | Wheel speed sensor (rear:LH) <ABS> |
| D-04 | Fuel pump wiring harness and body wiring harness combination | D-13 | Front door switch (driver's side) |
| D-05 | Room lamp <with sunroof> | D-14 | Fuel pump |
| D-06 | Sunroof switch | D-15 | Wheel speed sensor (rear:RH) <ABS> |
| D-07 | Sunroof-ECU | D-19 | Parking brake switch |
| D-08 | Room lamp <without sunroof> | D-22 | Rear door wiring harness (RH) and body wiring harness combination |
| D-09 | Sunroof motor | D-23 | Rear door wiring harness (LH) and body wiring harness combination |
| D-10 | Fuel gauge unit | | |
| D-11 | Rear wiring harness and body wiring harness combination | | |

DOOR

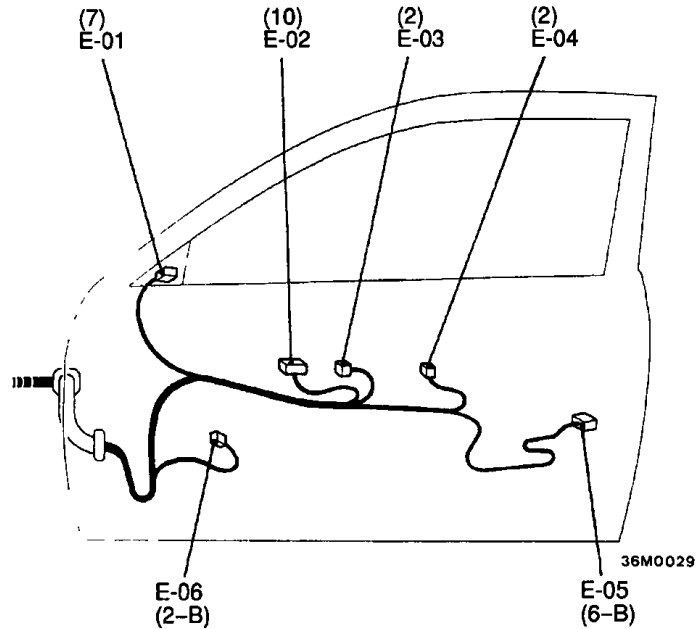
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Hatchback

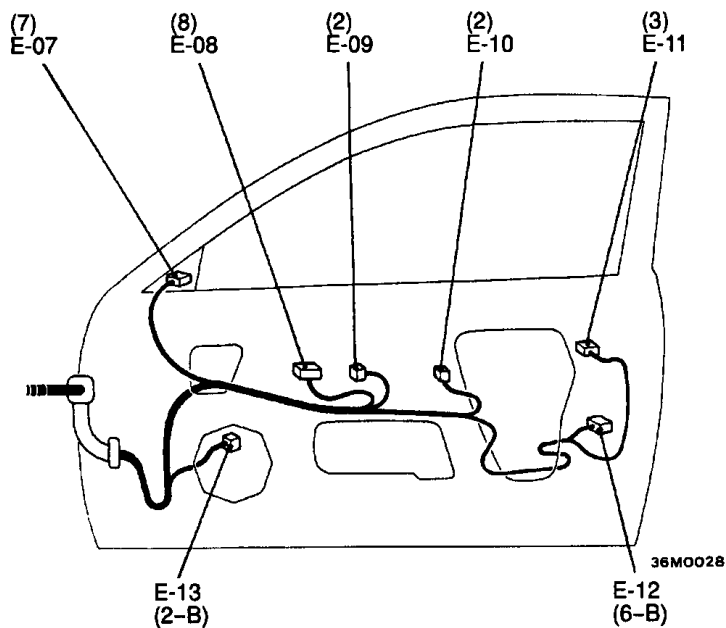
<L.H. drive vehicles>

Connector
symbol**E**

Driver's side



Passenger's side



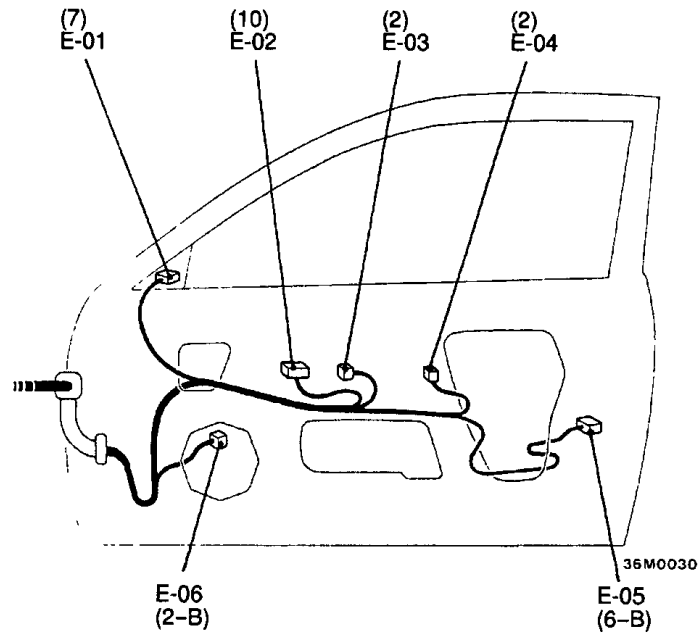
00004466

E-01 Remote controlled mirror (driver's side)
 E-02 Power window main switch
 E-03 Power window motor (driver's side)
 E-04 Power window limit switch (driver's side)

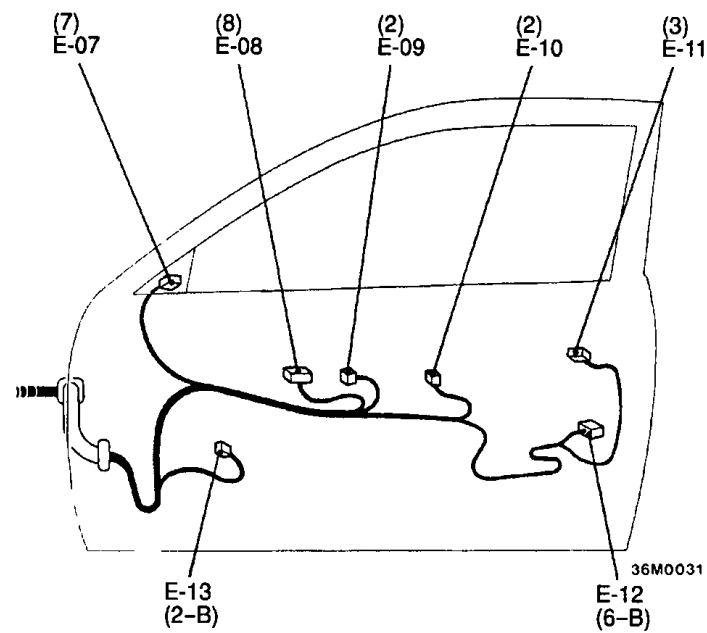
E-05 Front door lock actuator (driver's side)
 E-06 Front speaker (driver's side)
 E-07 Remote controlled mirror (passenger's side)
 E-08 Power window sub switch

<R.H. drive vehicles>

Driver's side



Passenger's side



00004467

E-09 Power window motor (passenger's side)
E-10 Power window limit switch (passenger's side)
E-11 Door lock key cylinder switch

E-12 Front door lock actuator (passenger's side)
E-13 Front speaker (passenger's side)

DOOR

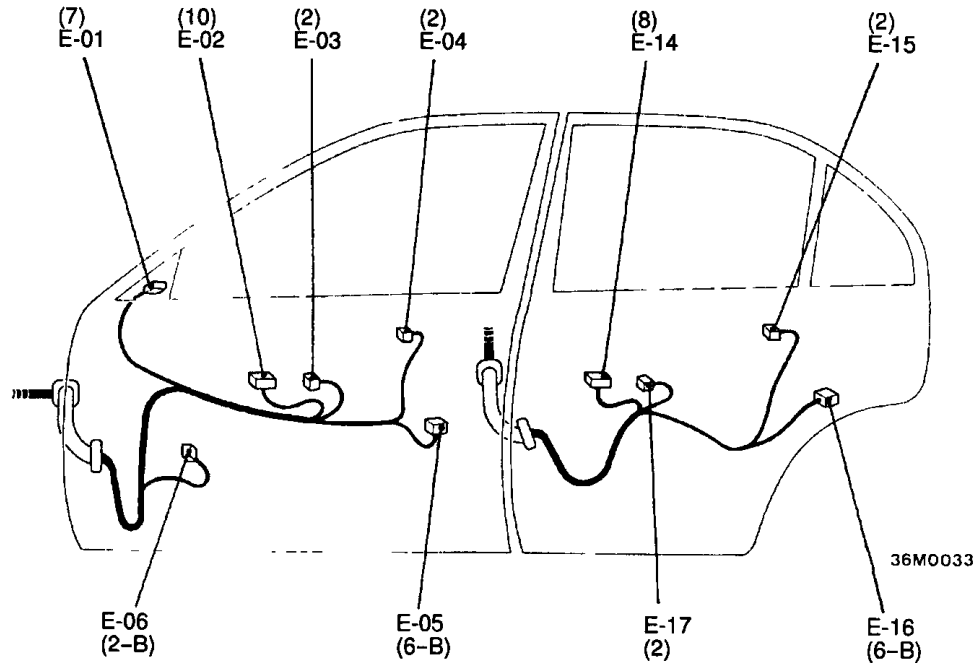
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Sedan

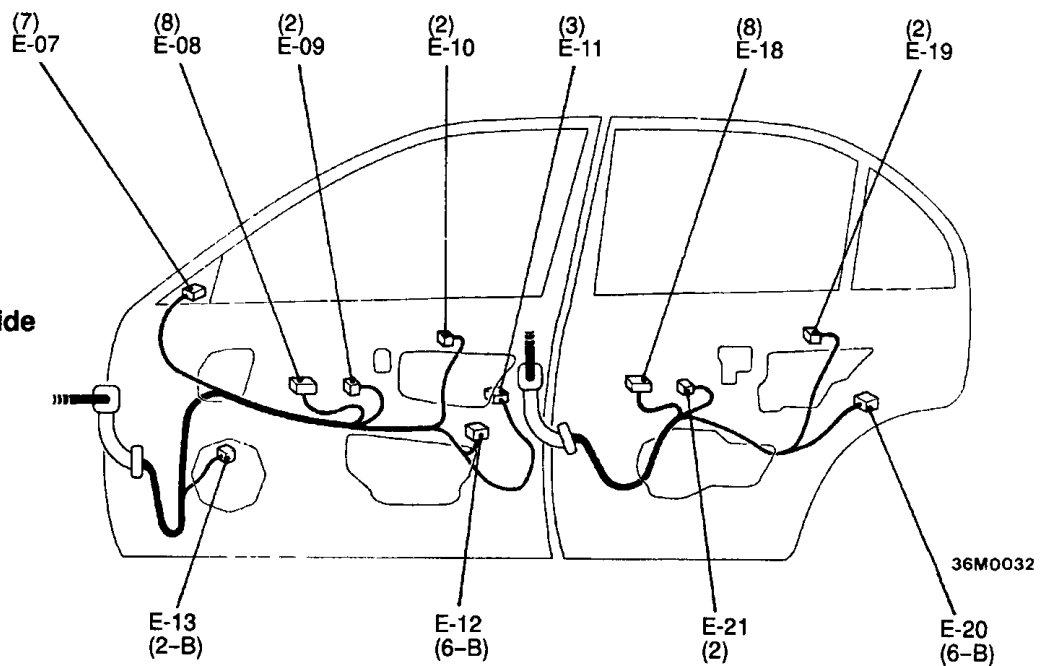
<L.H. drive vehicles>

Connector
symbol**E**

Driver's side



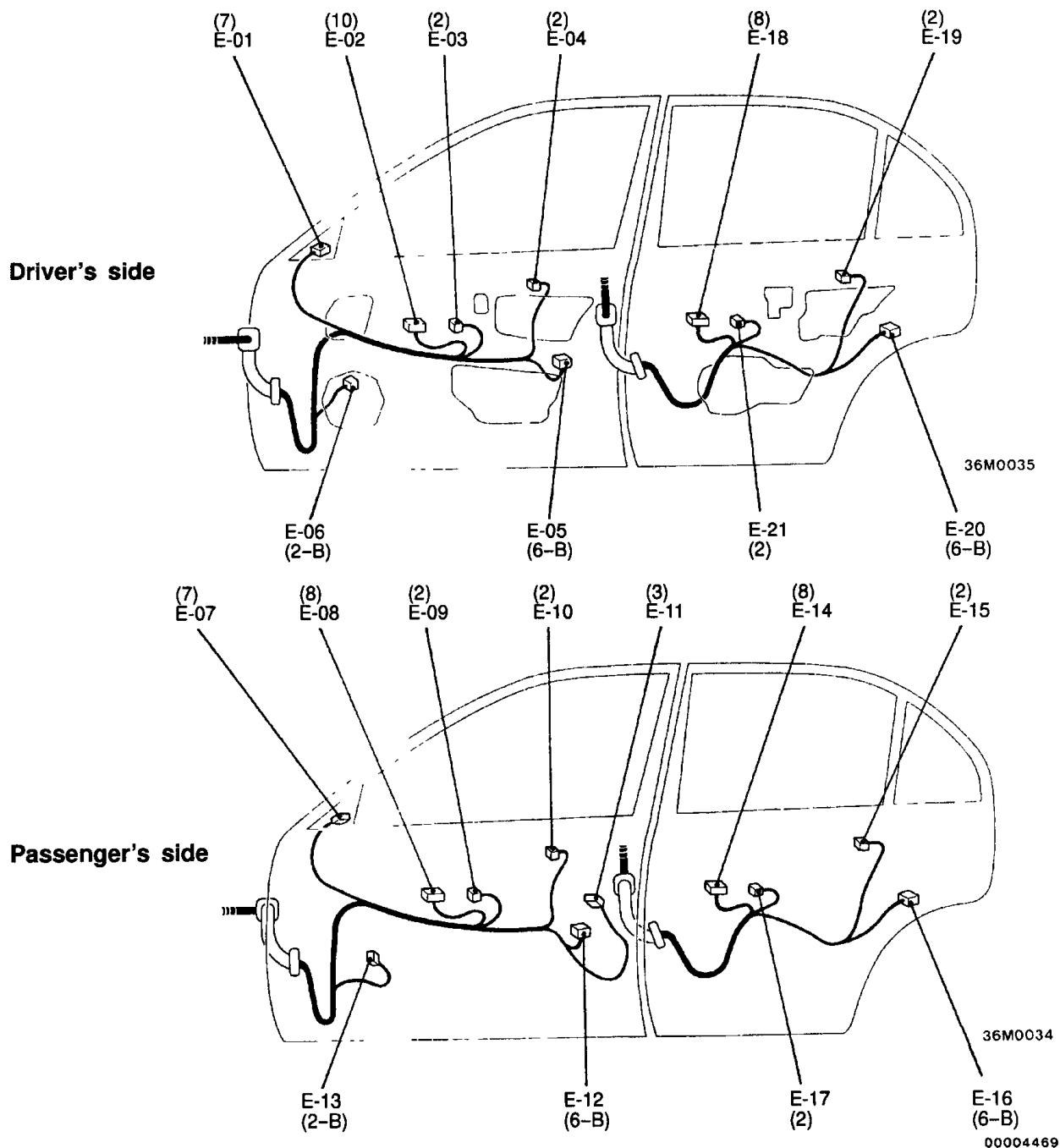
Passenger's side



00004468

- | | | | |
|------|---|------|--|
| E-01 | Remote controlled mirror (driver's side) | E-08 | Front power window sub switch |
| E-02 | Power window main switch | E-09 | Front power window motor (passenger's side) |
| E-03 | Front power window motor (driver's side) | E-10 | Power window limit switch (front passenger's side) |
| E-04 | Power window limit switch (driver's side) | E-11 | Door lock key cylinder switch |
| E-05 | Front door lock actuator (driver's side) | E-12 | Front door lock actuator (passenger's side) |
| E-06 | Front speaker (driver's side) | | |
| E-07 | Remote controlled mirror (passenger's side) | | |

<R.H. drive vehicles>



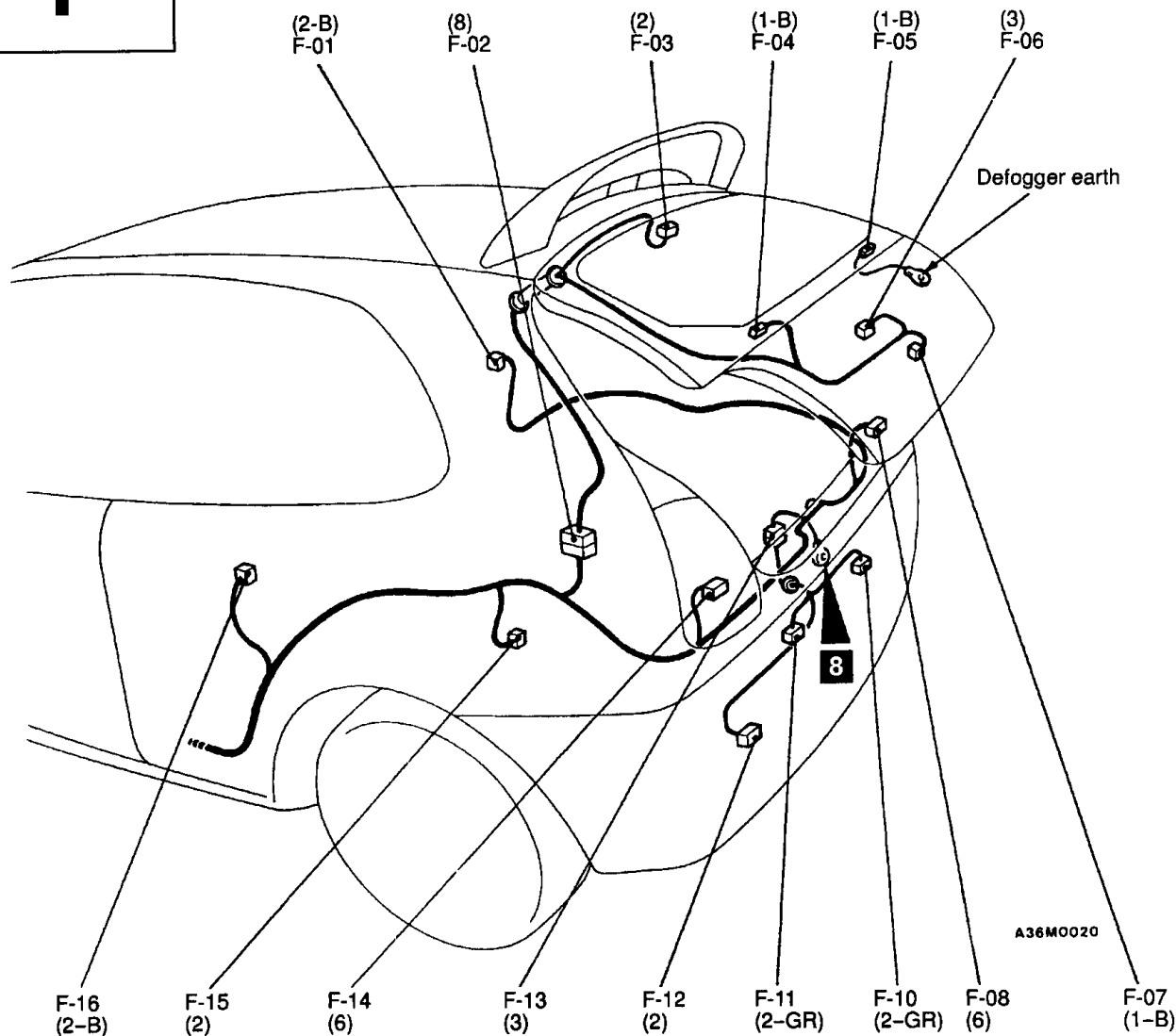
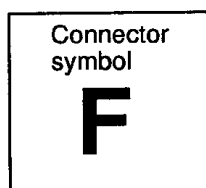
E-13 Front speaker (passenger's side)
 E-14 Rear power window sub switch (LH)
 E-15 Power window limit switch (rear:LH)
 E-16 Rear door lock actuator (LH)
 E-17 Rear power window motor (LH)

E-18 Rear power window sub switch (RH)
 E-19 Power window limit switch (rear:RH)
 E-20 Rear door lock actuator (RH)
 E-21 Rear power window motor (RH)

LUGGAGE COMPARTMENT

80100150136

Hatchback <L.H. drive vehicles>

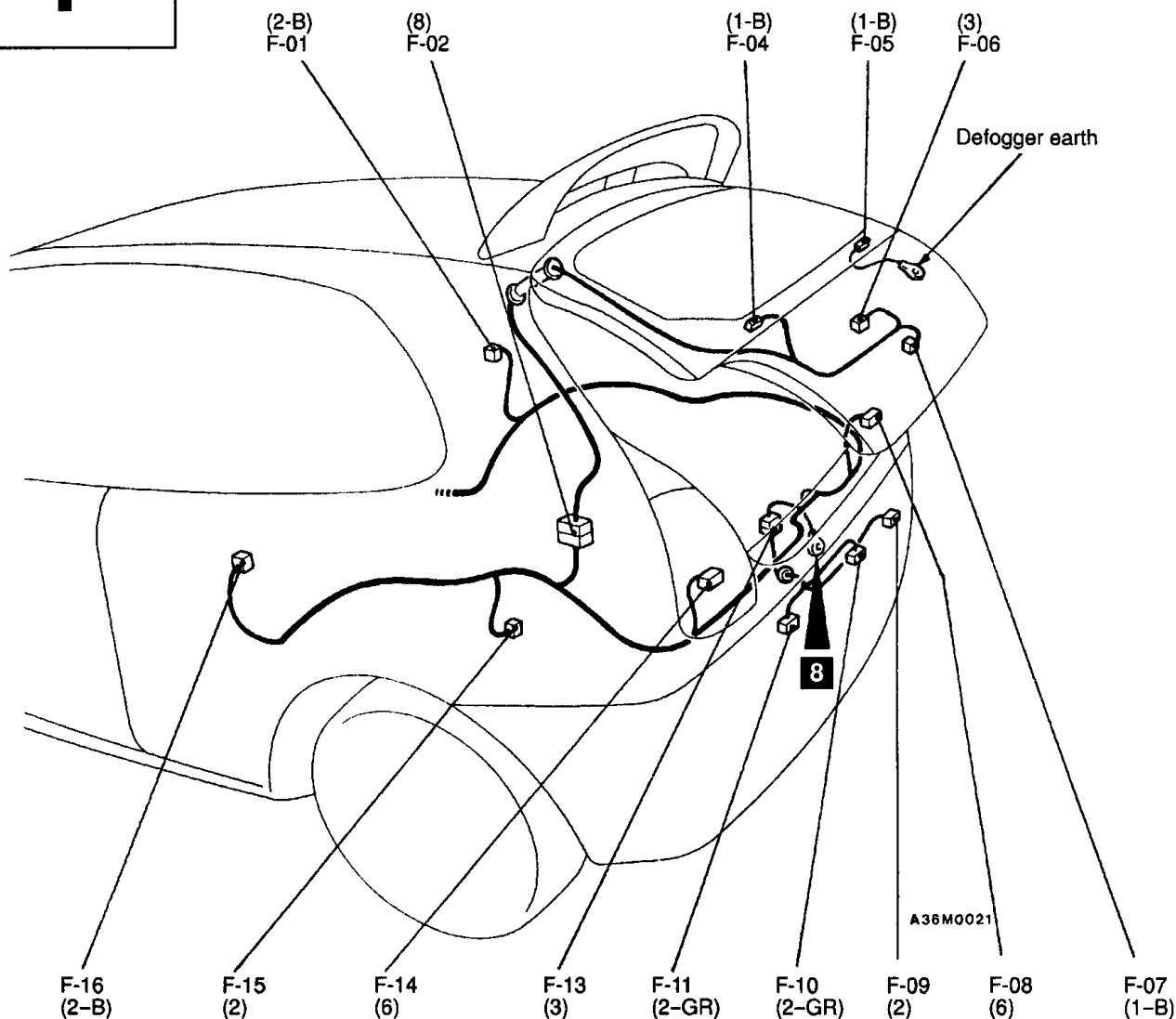
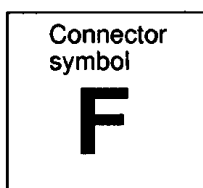


F-01	Rear speaker (RH)	F-10	Licence plate lamp (RH)
F-02	Tailgate wiring harness and rear wiring harness combination	F-11	Licence plate lamp (LH)
F-03	High mounted stop lamp (Tailgate)	F-12	Rear fog lamp
F-04	Defogger (+)	F-13	Licence plate lamp wiring harness and rear wiring harness combination
F-05	Defogger (-)	F-14	Rear combination lamp (LH)
F-06	Rear wiper motor	F-15	Luggage compartment lamp
F-07	Tailgate switch	F-16	Rear speaker (LH)
F-08	Rear combination lamp (RH)		

LUGGAGE COMPARTMENT

80100150143

Hatchback <R.H. drive vehicles>

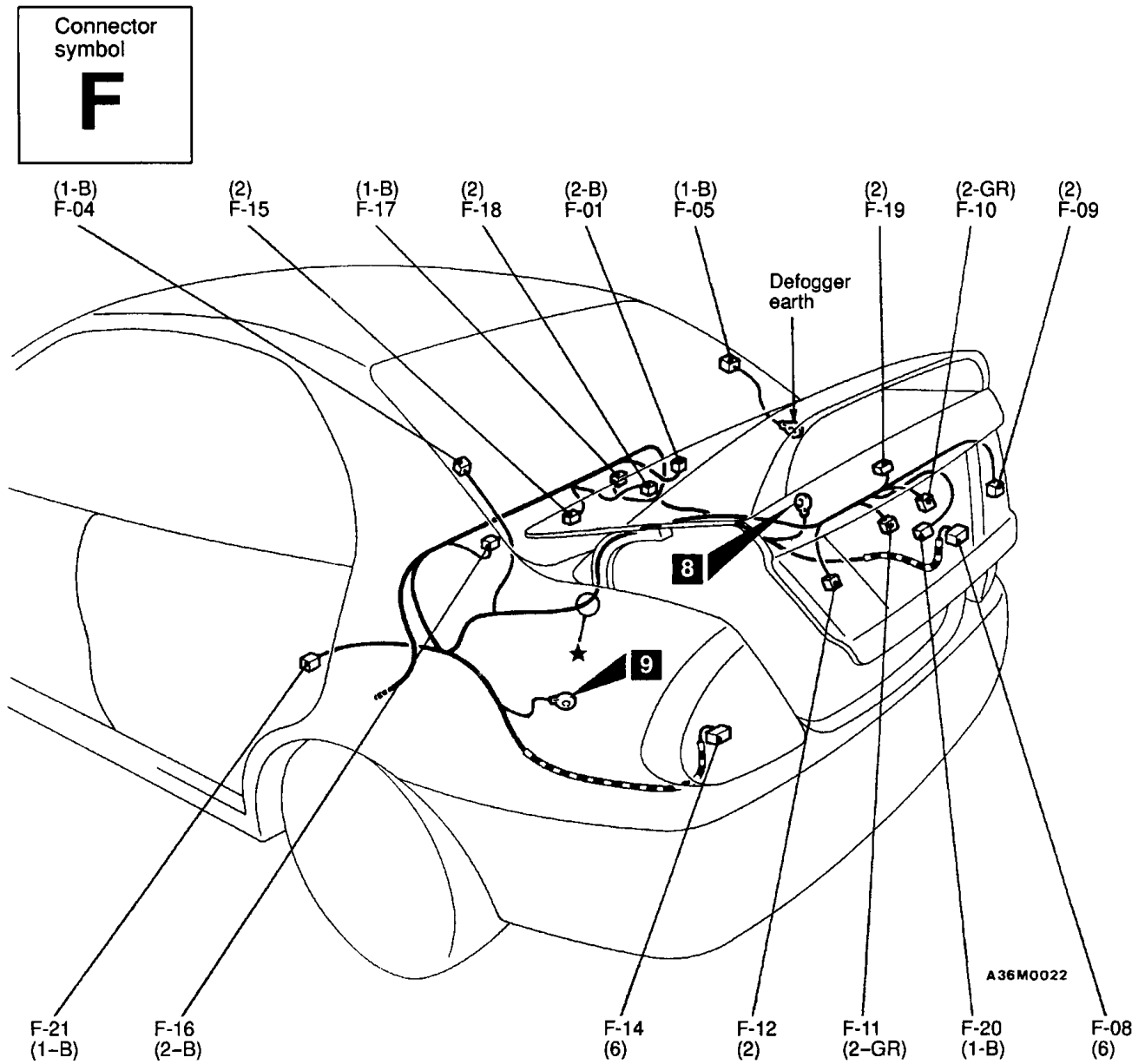


F-01	Rear speaker (RH)	F-09	Rear fog lamp
F-02	Tailgate wiring harness and rear wiring harness combination	F-10	Licence plate lamp (RH)
F-04	Defogger (+)	F-11	Licence plate lamp (LH)
F-05	Defogger (-)	F-13	Licence plate lamp wiring harness and rear wiring harness combination
F-06	Rear wiper motor	F-14	Rear combination lamp (LH)
F-07	Tailgate switch	F-15	Luggage compartment lamp
F-08	Rear combination lamp (RH)	F-16	Rear speaker (LH)

LUGGAGE COMPARTMENT

80100150150

Sedan <L.H. drive vehicles>

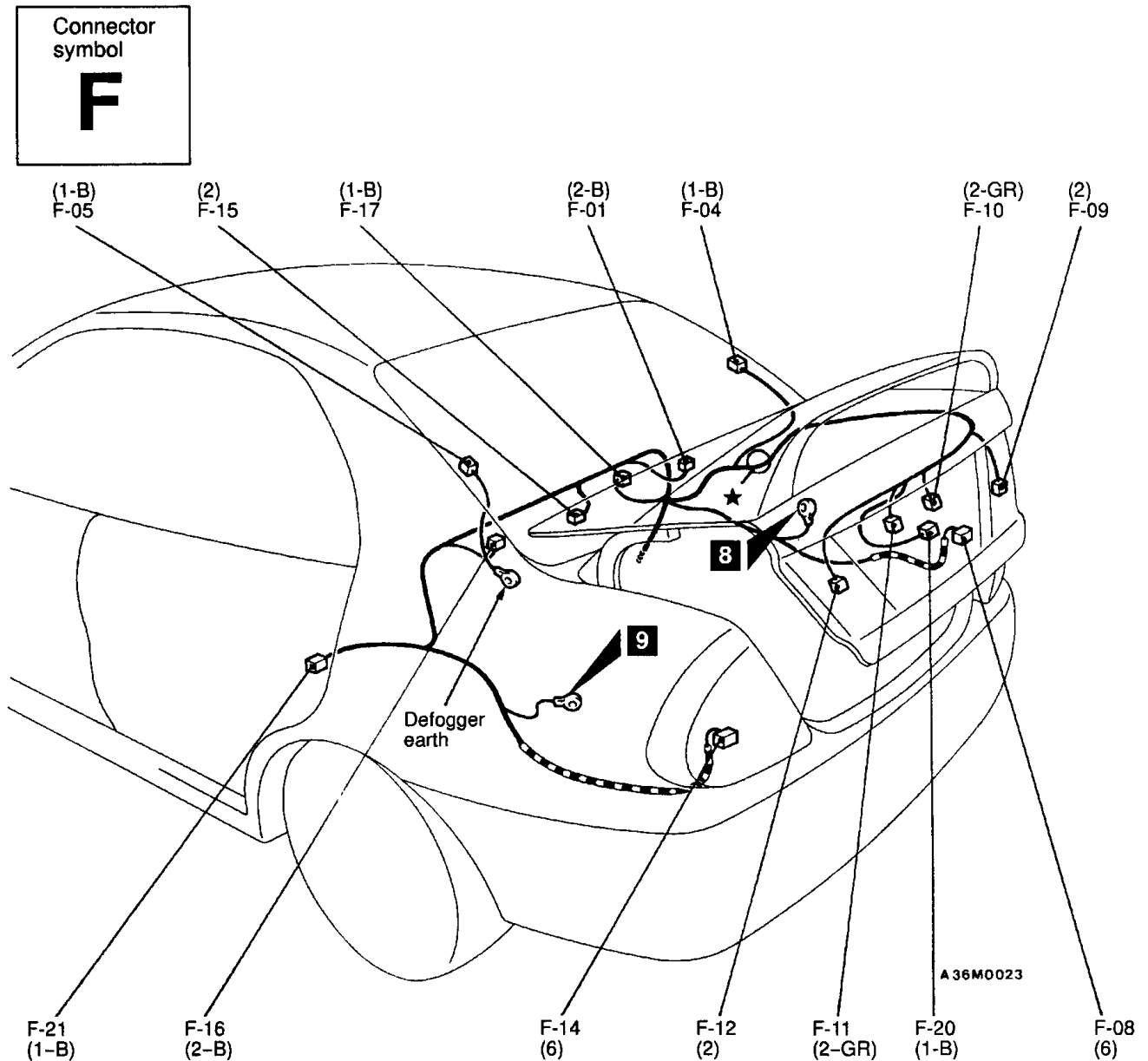


- | | | | |
|------|----------------------------|------|---------------------------------------|
| F-01 | Rear speaker (RH) | F-14 | Rear combination lamp (LH) |
| F-04 | Defogger (+) | F-15 | Luggage compartment lamp |
| F-05 | Defogger (-) | F-16 | Rear speaker (LH) |
| F-08 | Rear combination lamp (RH) | F-17 | Rear door switch (RH) |
| F-09 | Rear fog lamp (RH) | F-18 | High mounted stop lamp (Rear shelf) |
| F-10 | Licence plate lamp (RH) | F-19 | High mounted stop lamp (Rear spoiler) |
| F-11 | Licence plate lamp (LH) | F-20 | Luggage compartment lamp switch |
| F-12 | Rear fog lamp (LH) | F-21 | Rear door switch (LH) |

LUGGAGE COMPARTMENT

80100150167

Sedan <R.H. drive vehicles>



F-01	Rear speaker (RH)	F-12	Rear fog lamp (LH)
F-04	Defogger (+)	F-14	Rear combination lamp (LH)
F-05	Defogger (-)	F-15	Luggage compartment lamp
F-08	Rear combination lamp (RH)	F-16	Rear speaker (LH)
F-09	Rear fog lamp (RH)	F-17	Rear door switch (RH)
F-10	Licence plate lamp (RH)	F-20	Luggage compartment lamp switch
F-11	Licence plate lamp (LH)	F-21	Rear door switch (LH)

SINGLE PART INSTALLATION POSITION

CONTENTS

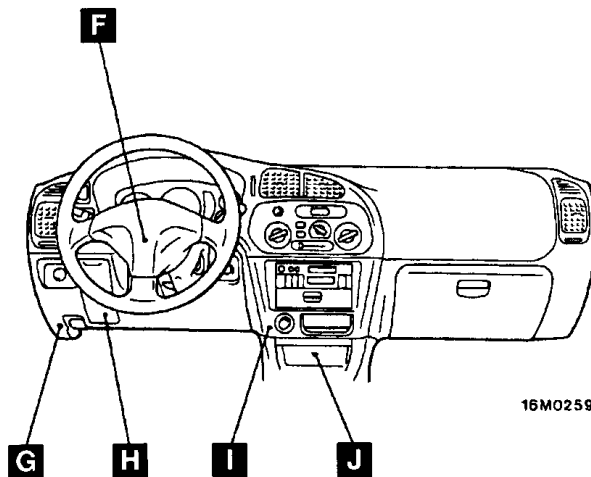
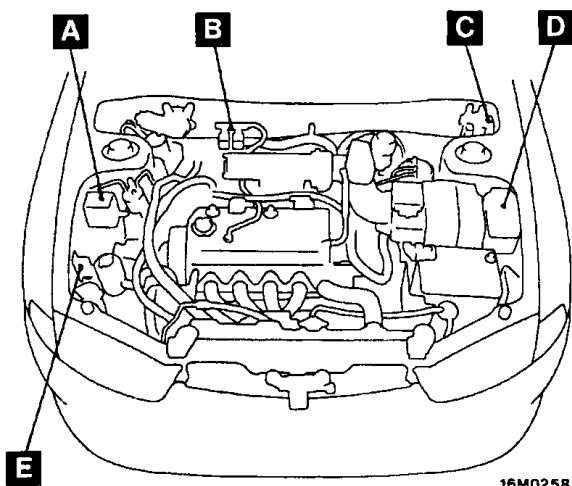
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RELAY	3-2	INSPECTION CONNECTOR	3-11
ECU	3-4	FUSIBLE LINK AND FUSE	3-12
SENSOR	3-6	EARTH CABLE	3-13
SOLENOID AND SOLENOID VALVE	3-9	EARTH	3-14
DIODE	3-10		

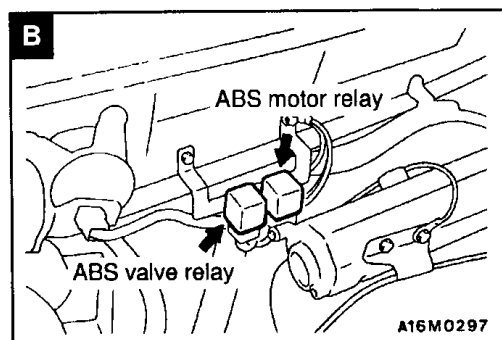
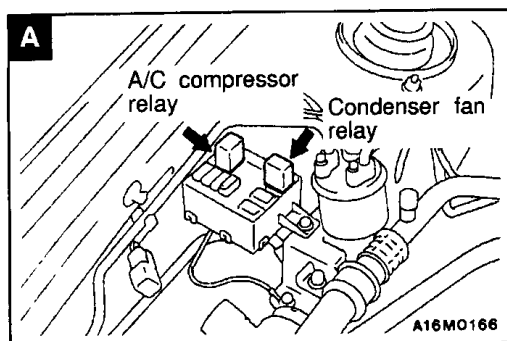
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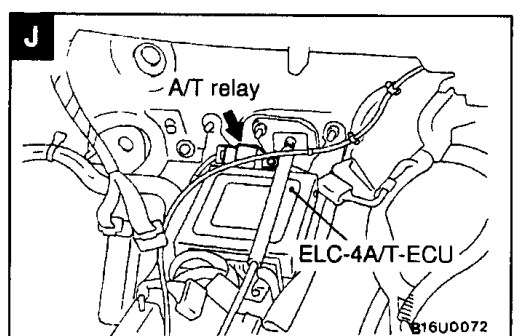
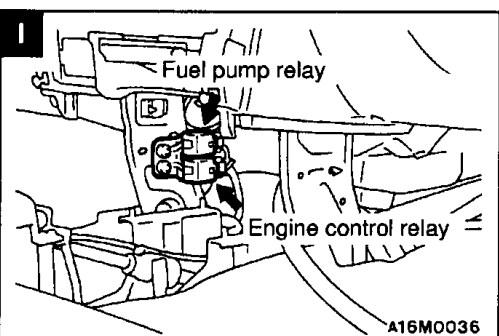
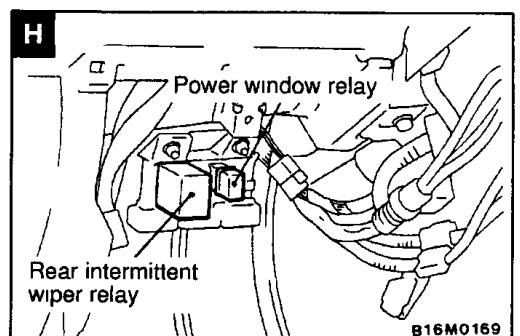
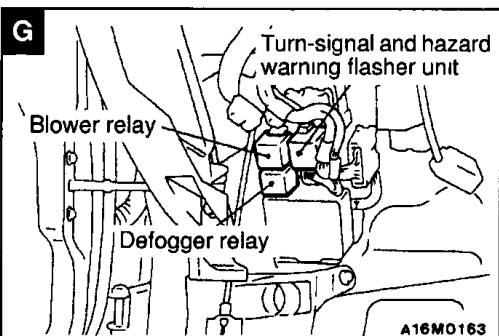
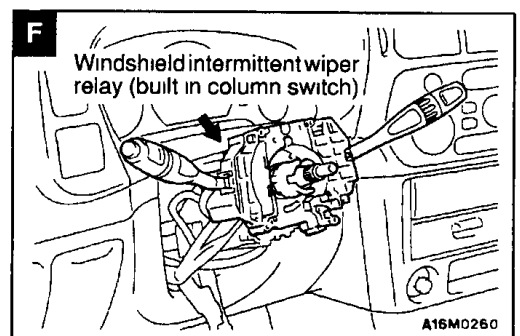
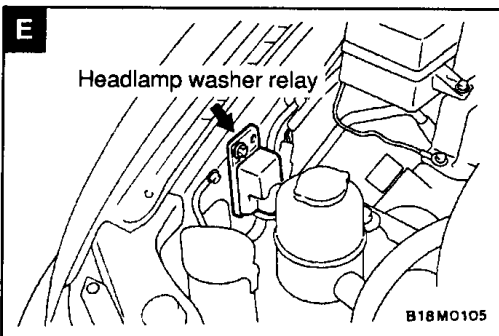
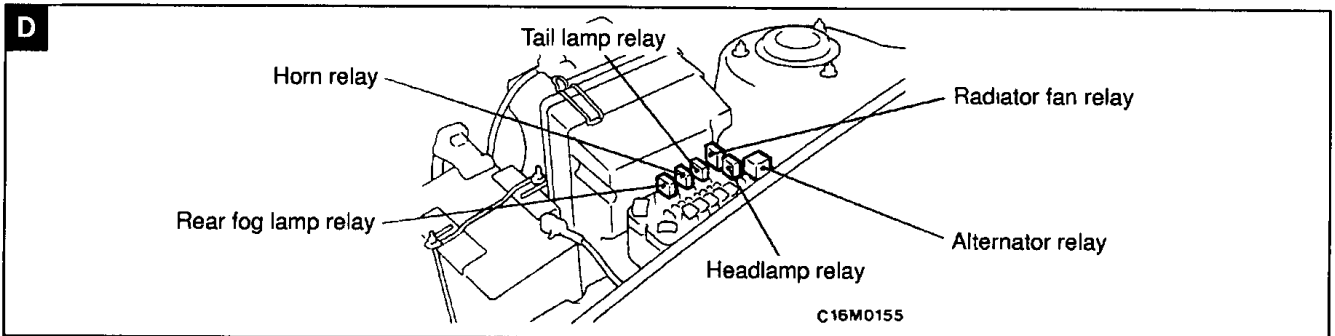
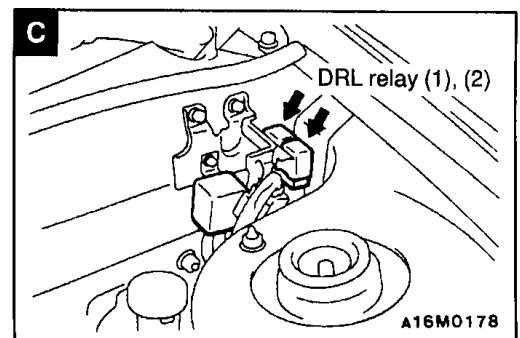
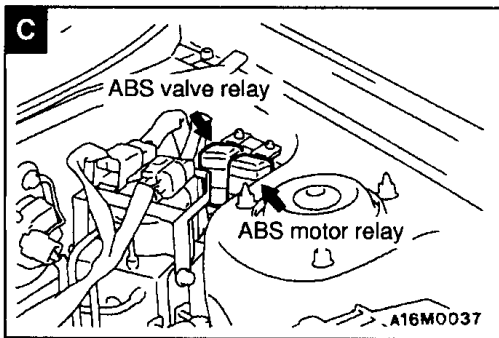
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Name			Symbol	Name	Symbol
ABS motor relay	LHD		B	Engine control relay	I
	RHD		C	Fuel pump relay	I
ABS valve relay	LHD		B	Headlamp relay	D
	RHD		C	Headlamp washer relay	E
A/C compressor relay			A	Horn relay <SRS>	D
Alternator relay			D	Power window relay	H
A/T relay			J	Radiator fan relay	D
Blower relay			G	Rear fog lamp relay	D
Condenser fan relay <A/C>			A	Rear intermittent wiper relay	H
Defogger relay			G	Tail lamp relay <DRL>	D
DRL relay (1)			C	Turn signal and hazard warning flasher unit	G
DRL relay (2)			C	Windshield intermittent wiper relay (built in column switch)	F



00004636

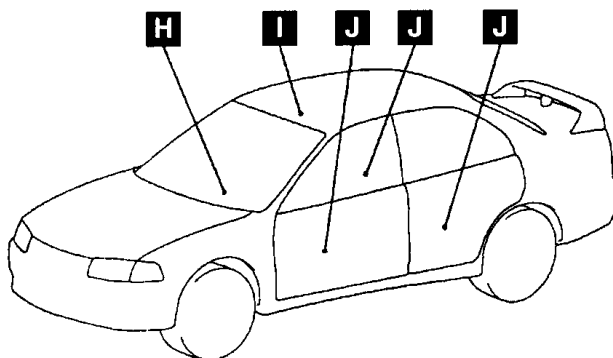
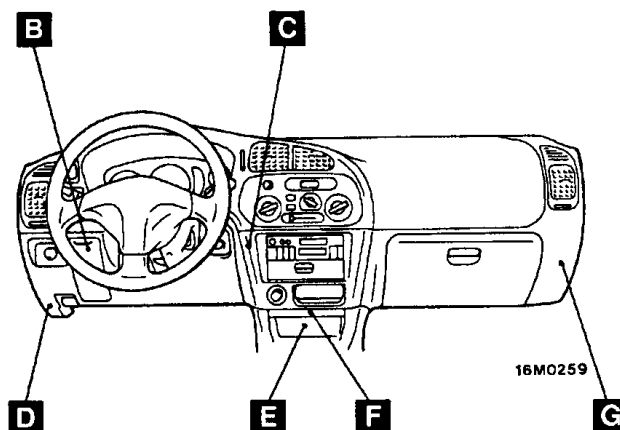
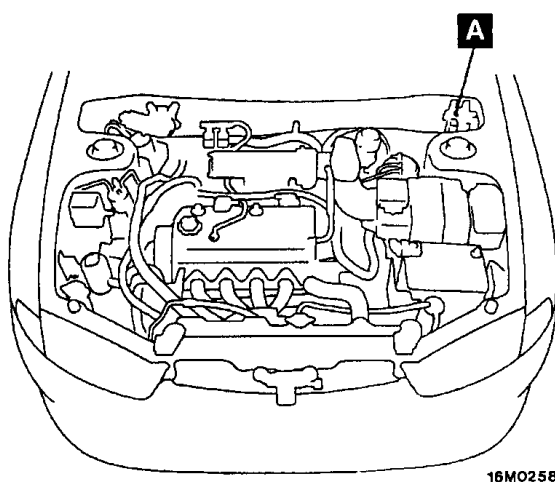




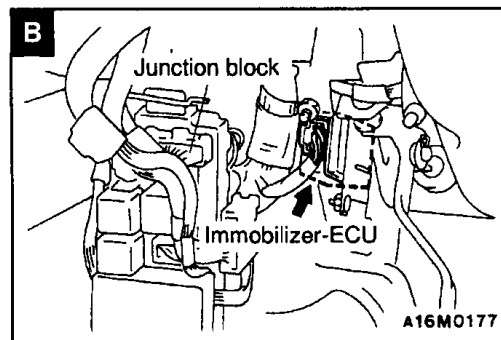
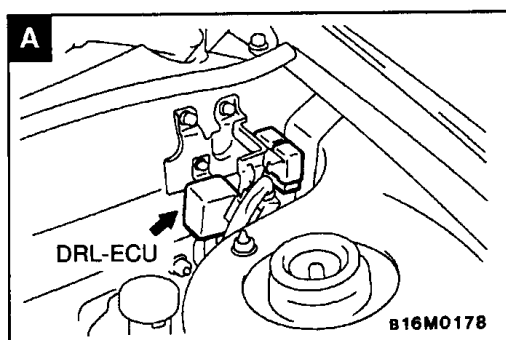
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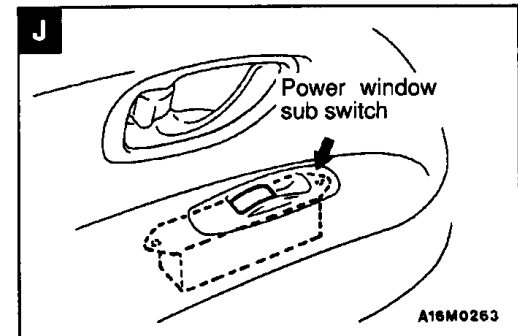
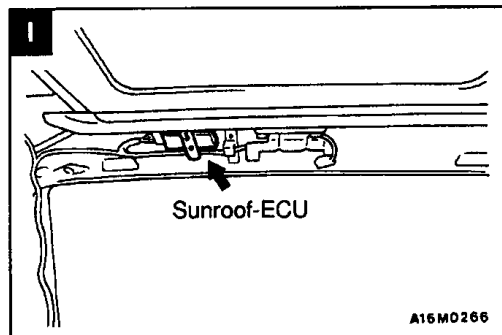
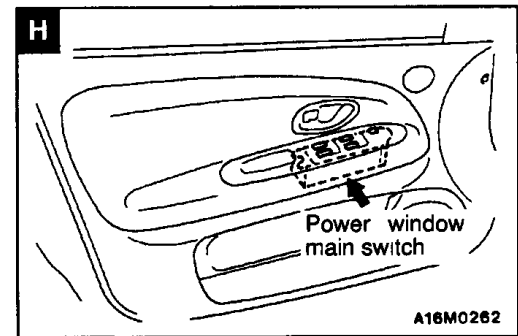
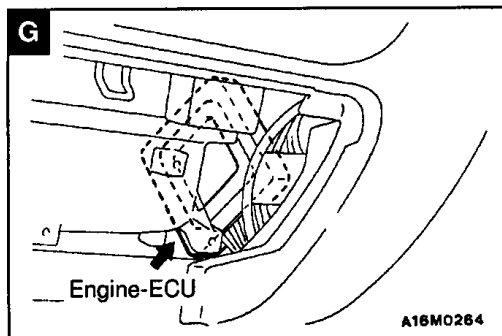
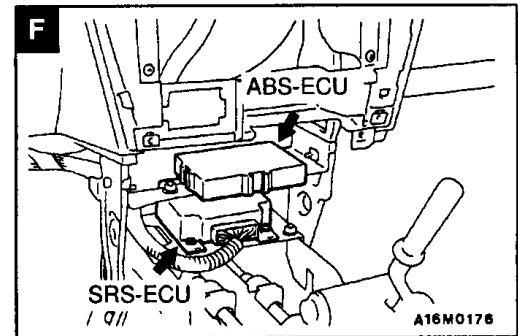
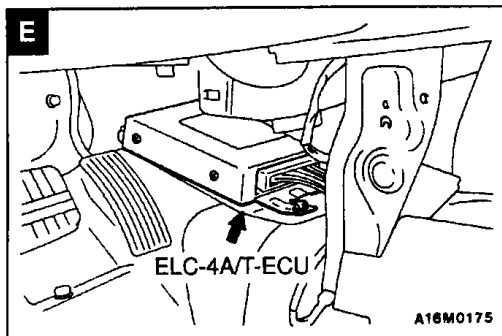
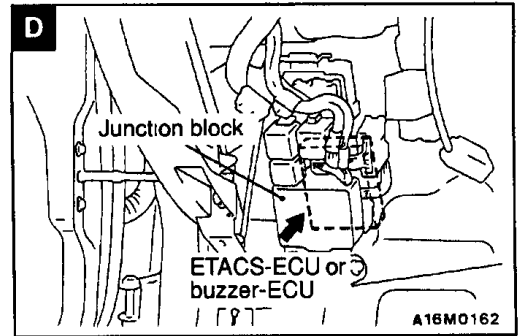
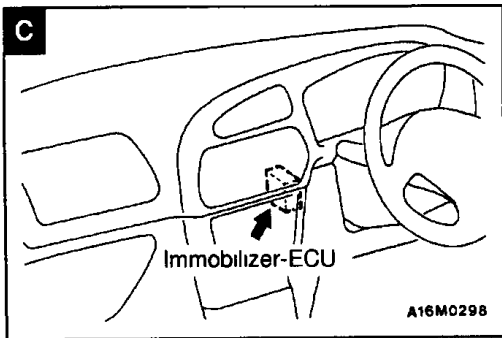
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Name	Symbol	Name	Symbol
ABS-ECU	F	Immobilizer-ECU	LHD B
Buzzer-ECU	D		RHD C
DRL-ECU	A	Power window main switch (built-in CPU)	H
ELC-4A/T-ECU	E	Power window sub switch (built-in CPU)	J
Engine-ECU	G	SRS-ECU	F
ETACS-ECU	D	Sunroof-ECU	I



00004637

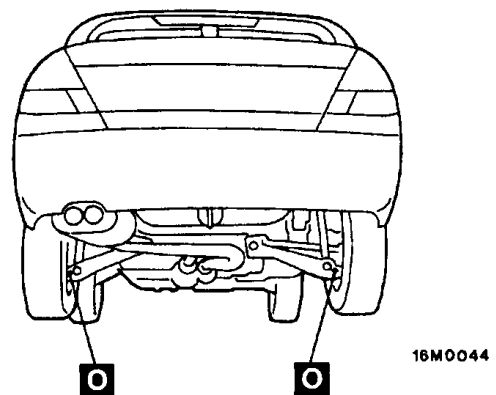
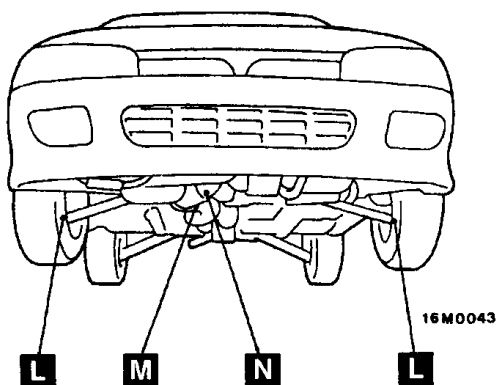
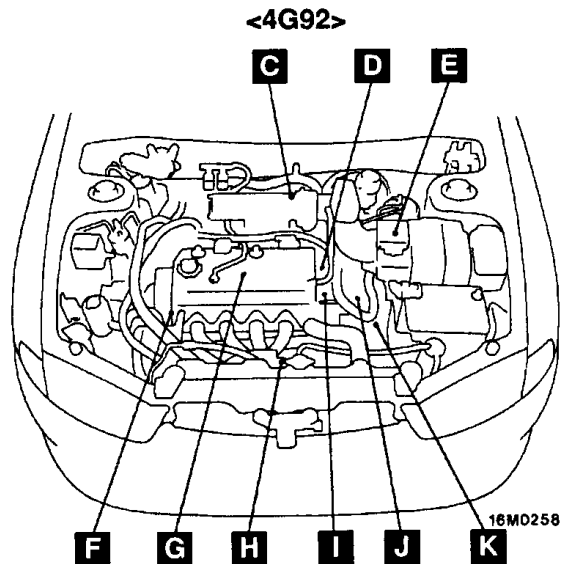
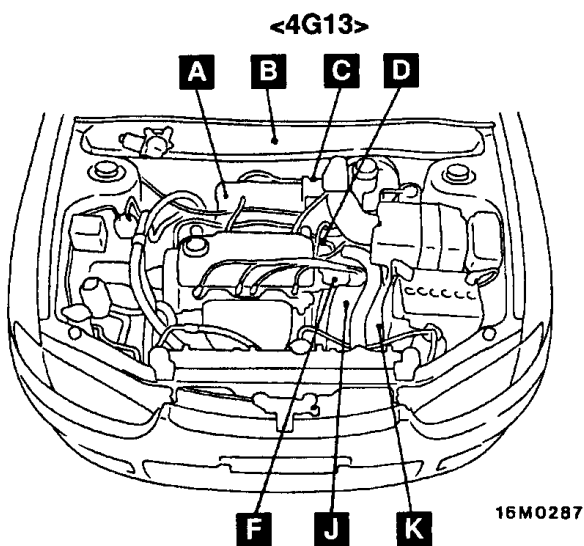


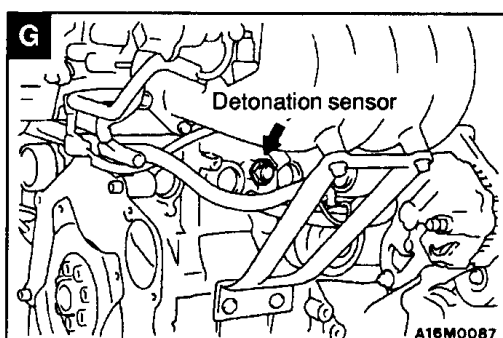
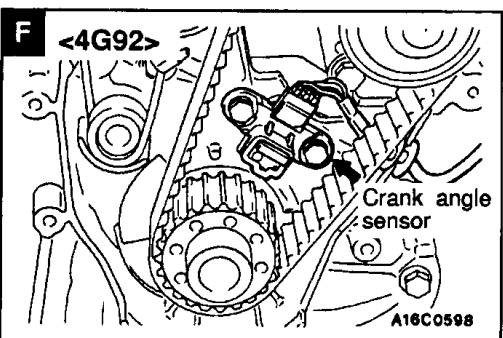
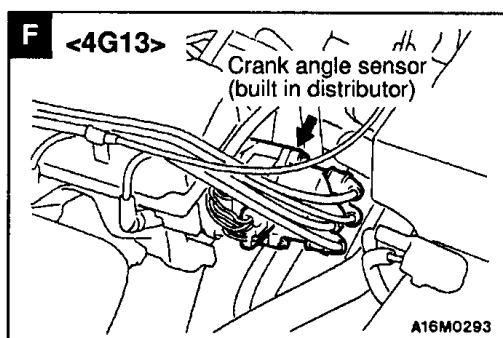
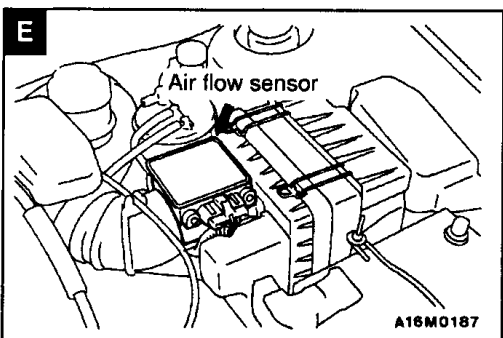
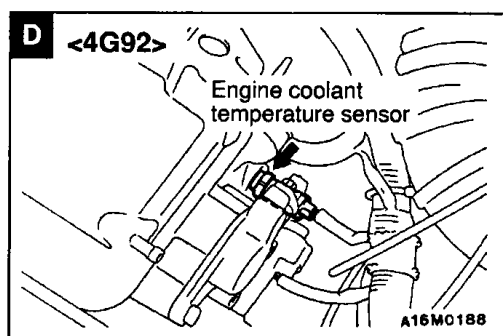
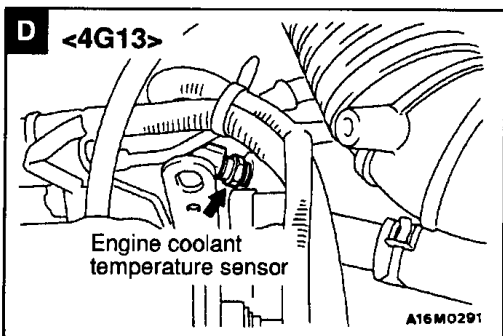
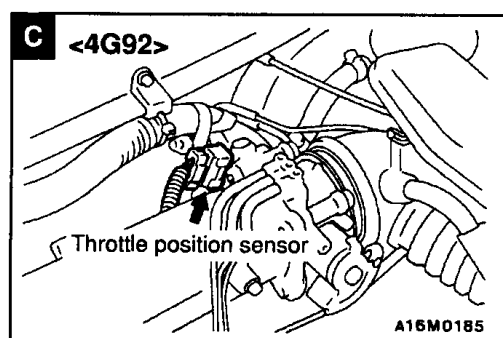
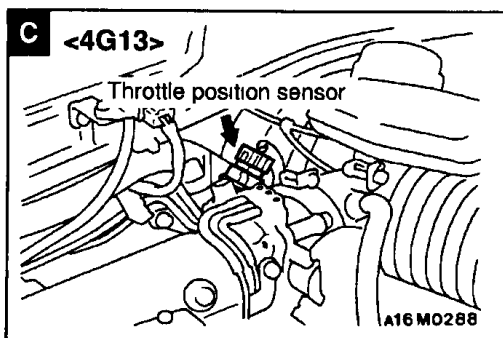
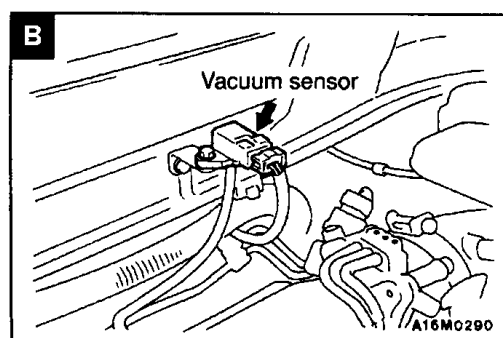
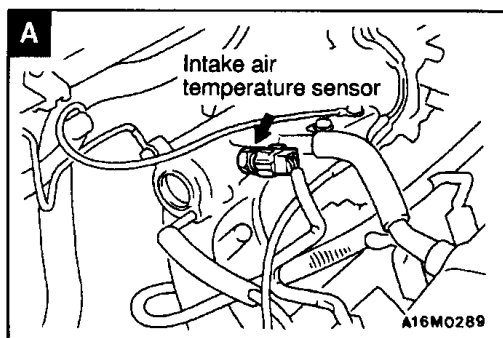


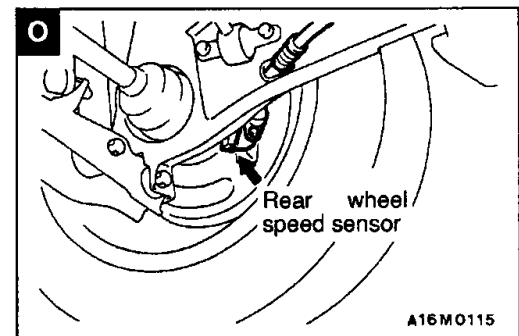
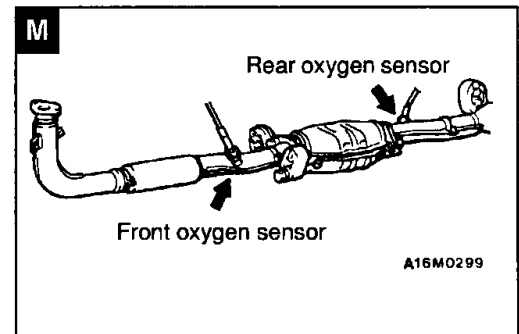
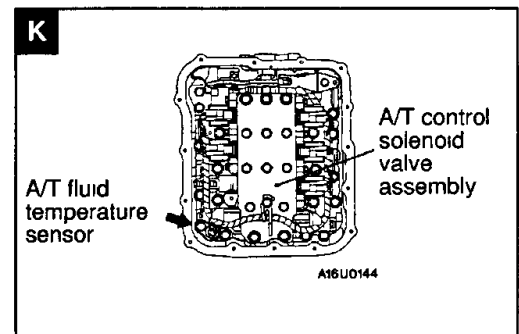
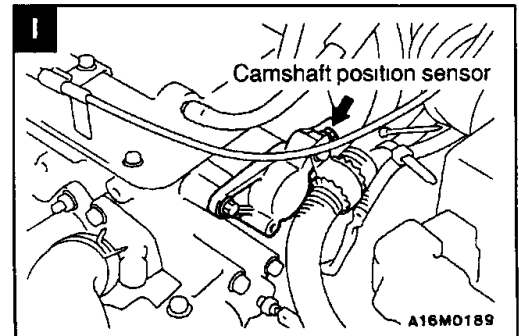
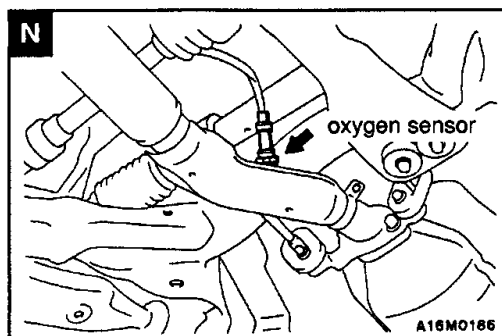
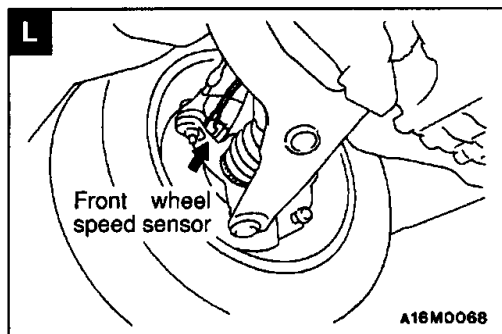
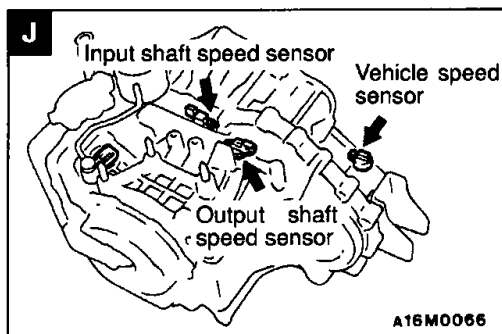
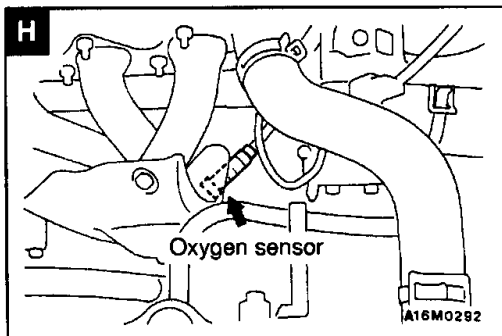
SENSOR

70100060133

Name	Symbol	Name	Symbol
Air flow sensor <4G92>	E	Intake air temperature sensor <4G13>	A
A/T fluid temperature sensor (built in A/T control solenoid valve assembly)	K	Output shaft speed sensor <A/T>	J
Camshaft position sensor <4G92>	I	Oxygen sensor <4G92>	except MVV N
Crank angle sensor <4G92>	F		MVV H
Crank angle sensor <4G13> (built in distributor)	F	Oxygen sensor (front) <4G13>	M
Detonation sensor <4G92>	G	Oxygen sensor (rear) <4G13>	M
Engine coolant temperature sensor	D	Rear wheel speed sensor <ABS>	O
Front wheel speed sensor <ABS>	L	Throttle position sensor	C
Input shaft speed sensor <A/T>	J	Vacuum sensor <4G13>	B
		Vehicle speed sensor	J



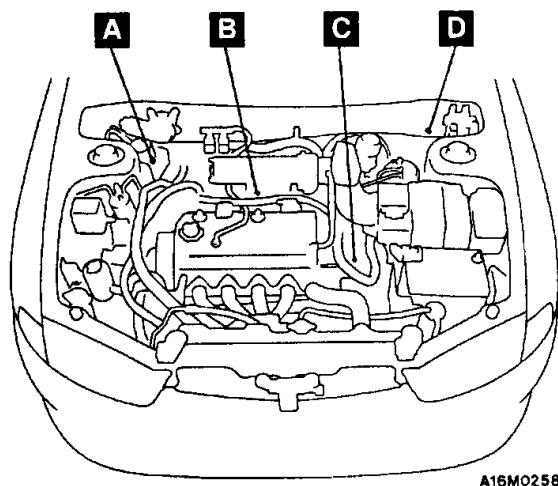




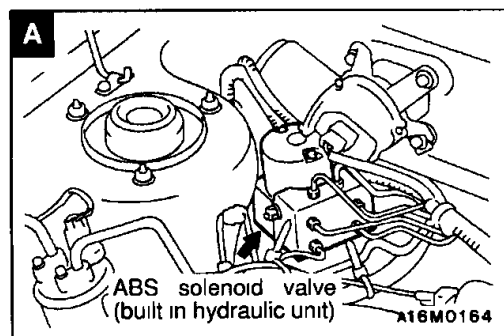
SOLENOID AND SOLENOID VALVE

70100080108

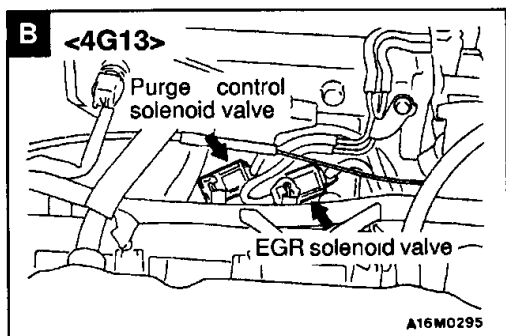
Name		Symbol	Name	Symbol
ABS solenoid valve (built in hydraulic unit)	LHD	A	A/T control solenoid valve assembly	C
	RHD	D	EGR solenoid valve	B
Air bypass solenoid valve <MVV>		B	Purge control solenoid valve	B



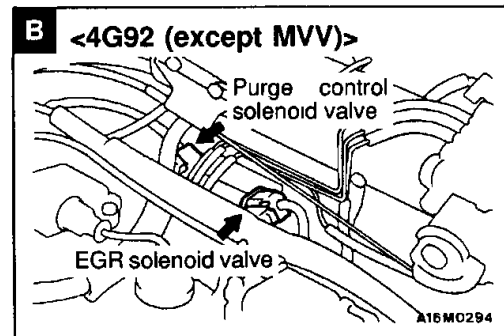
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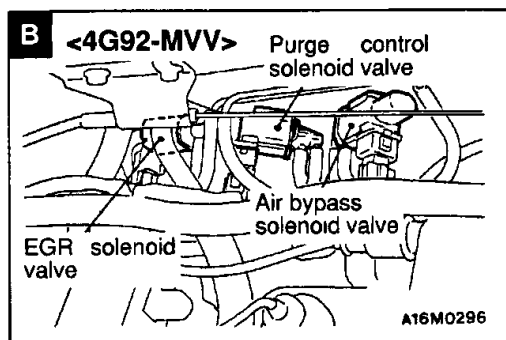
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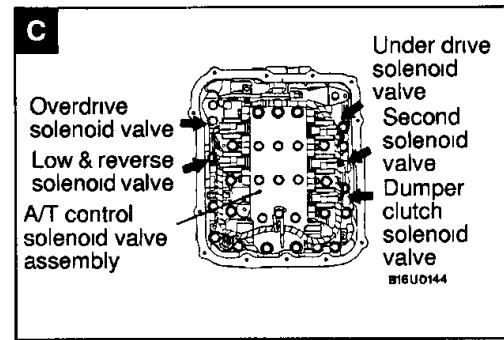
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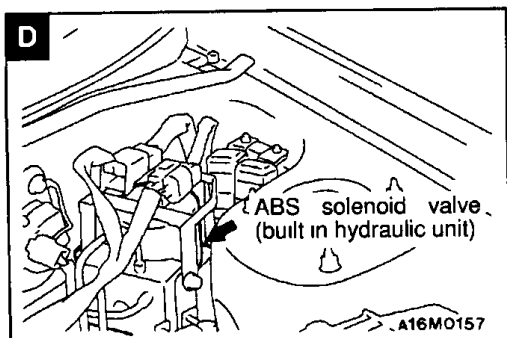
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A16M0296



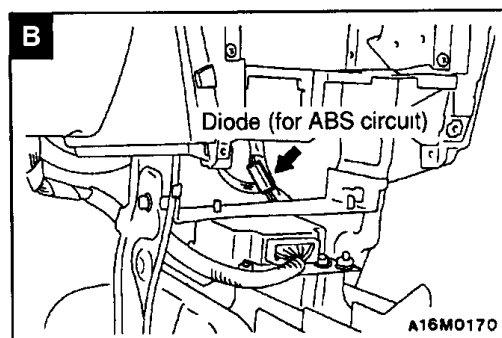
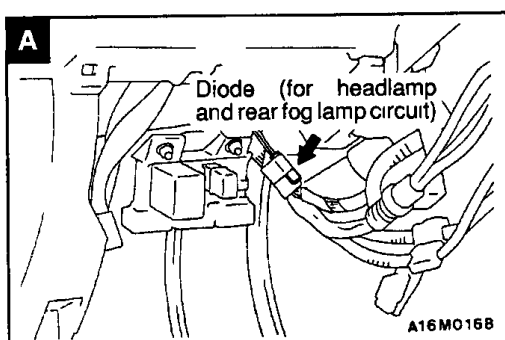
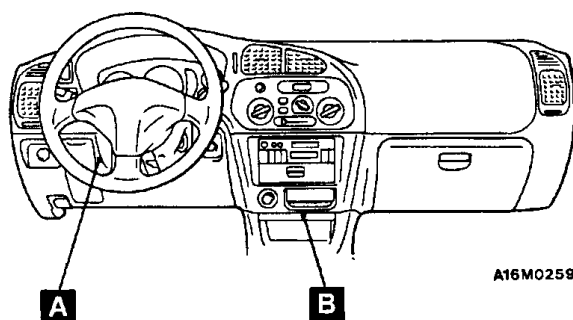
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DIODE

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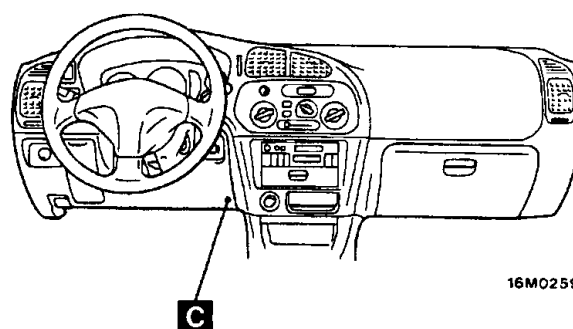
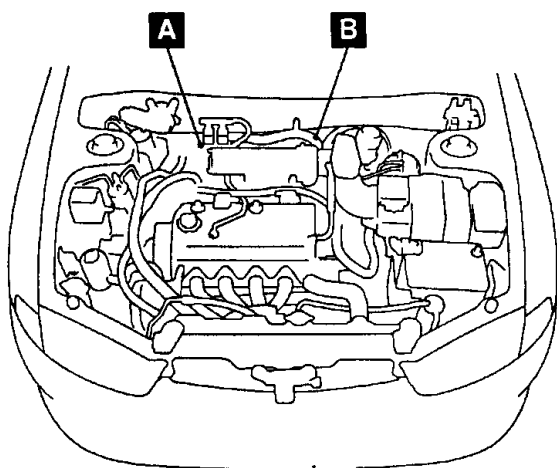
Name	Symbol	Name	Symbol
Diode (for ABS circuit)	B	Diode (for headlamp and rear fog lamp circuit)	A



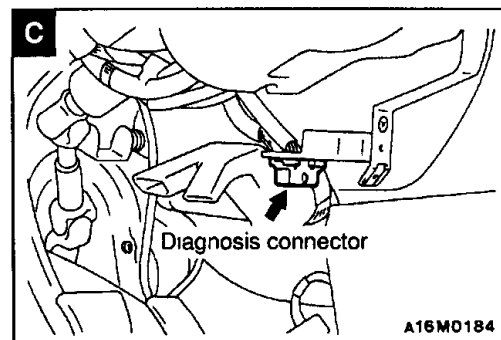
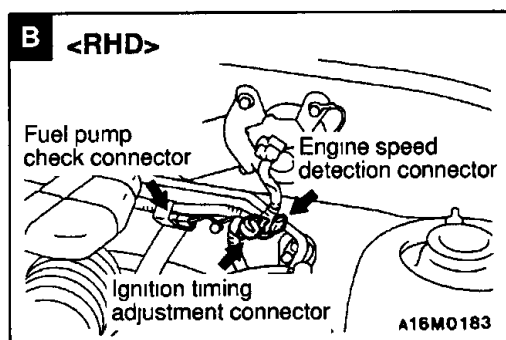
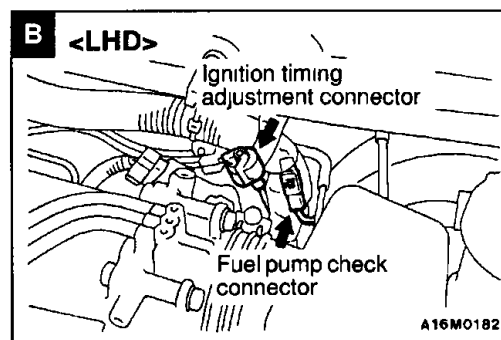
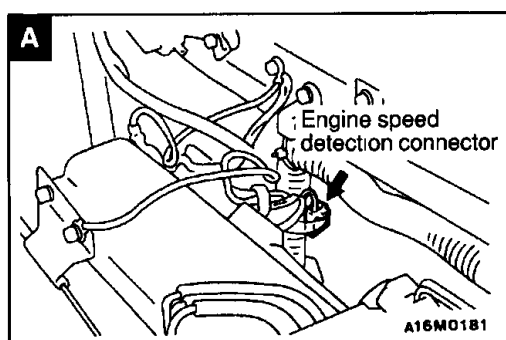
INSPECTION CONNECTOR

70100020117

Name		Symbol	Name	Symbol
Diagnosis connector		C	Fuel pump check connector	B
Engine speed detection connector	LHD	A	Ignition timing adjustment connector <4G13>	B
	RHD	B		



00004639

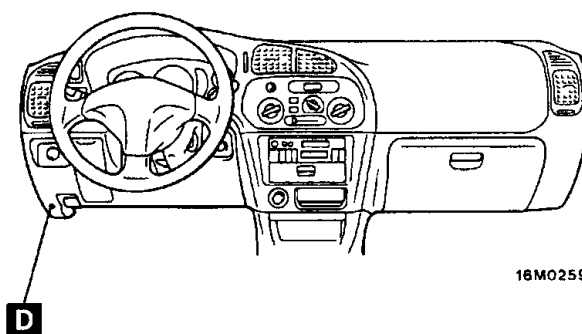
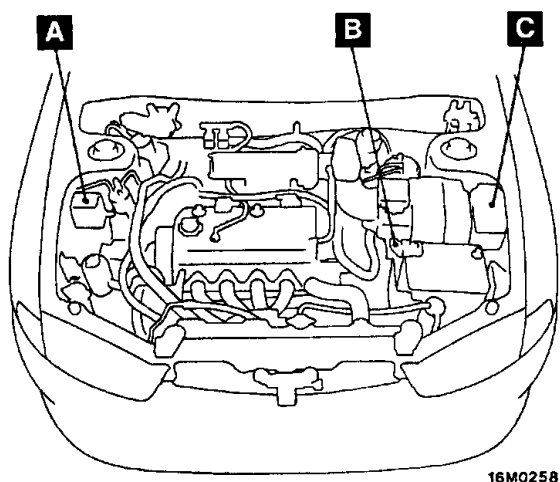


3-12 SINGLE PART INSTALLATION POSITION – Fusible Link and Fuse

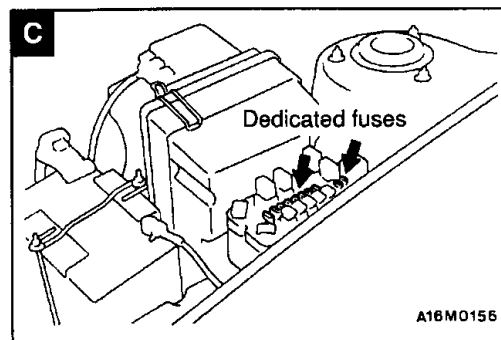
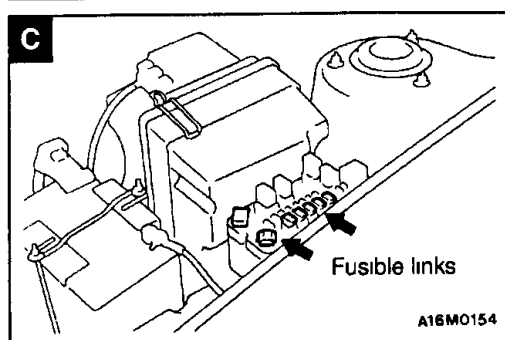
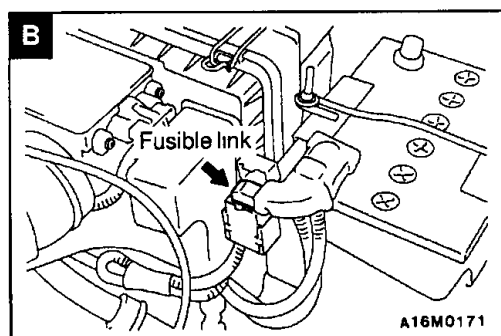
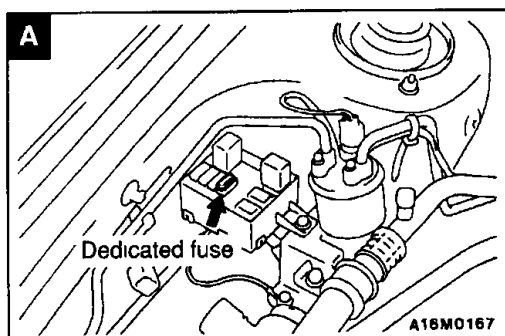
FUSIBLE LINK AND FUSE

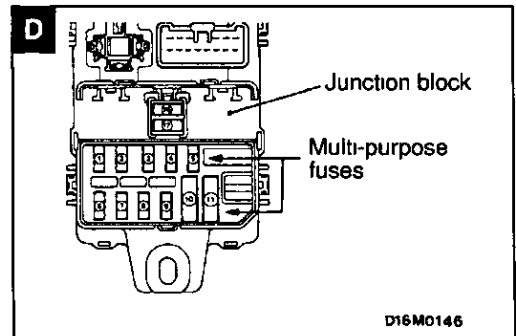
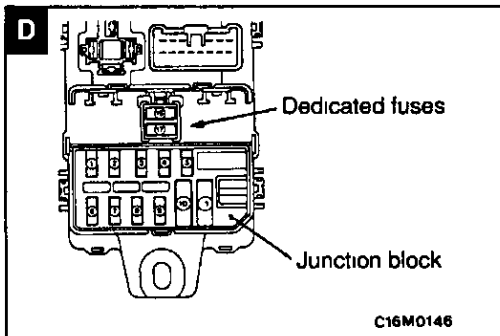
70100010114

Name	Symbol	Name	Symbol
Dedicated fuses (No. 1 – 11)	C	Fusible links (No. 1 – 7)	C
Dedicated fuse (No. 12)	A	Fusible link (No. 8)	B
Dedicated fuses (No. 16 – 17)	D	Multi-purpose fuses	D



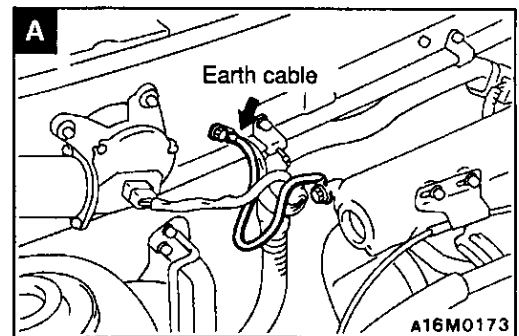
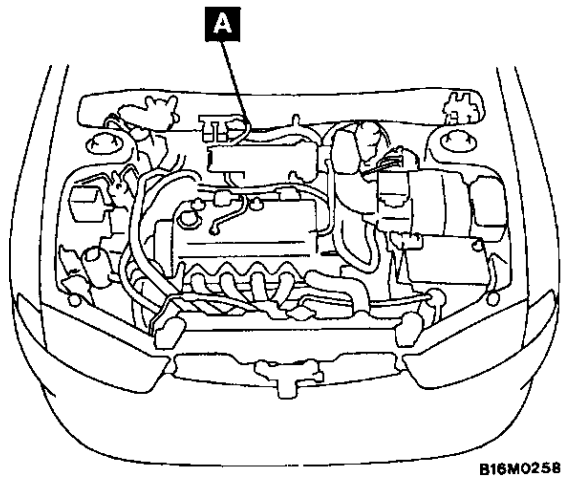
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EARTH CABLE

70100100088

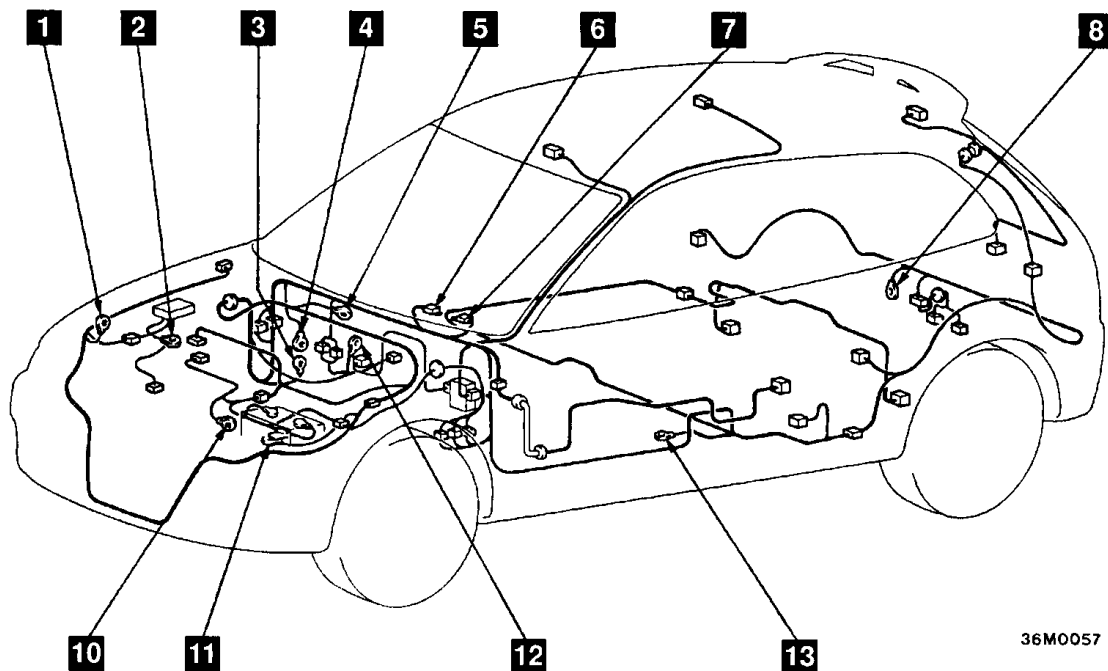


EARTH

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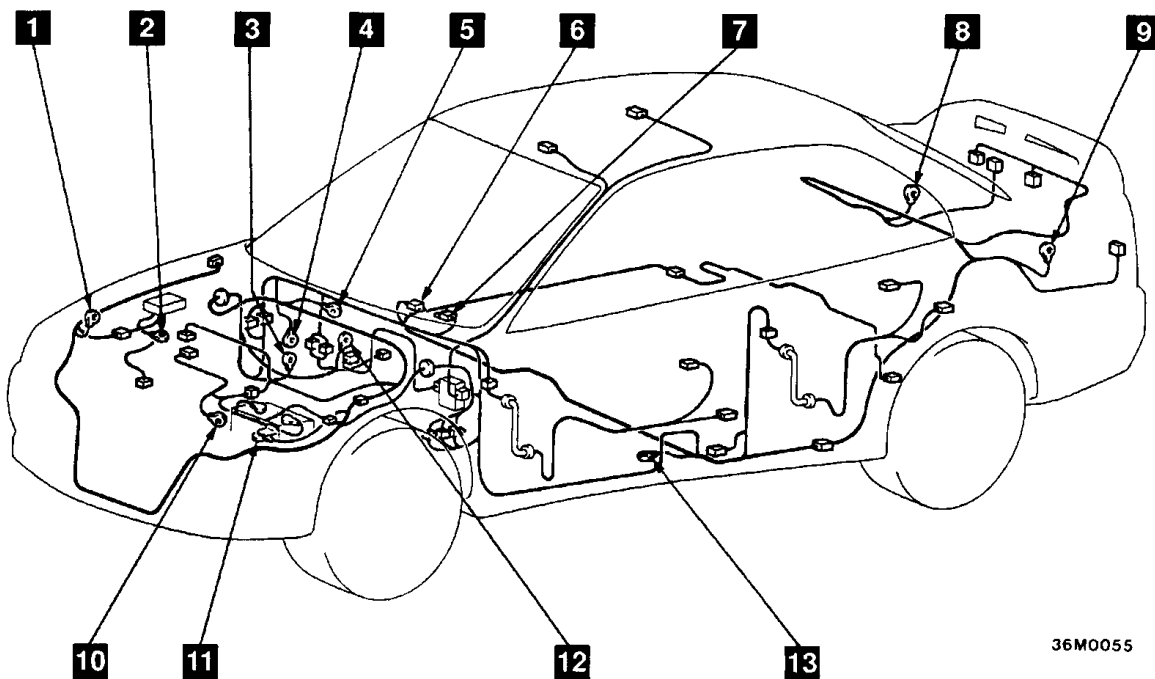
L.H.drive vehicles

<Hatchback>



36M0057

<Sedan>



36M0055

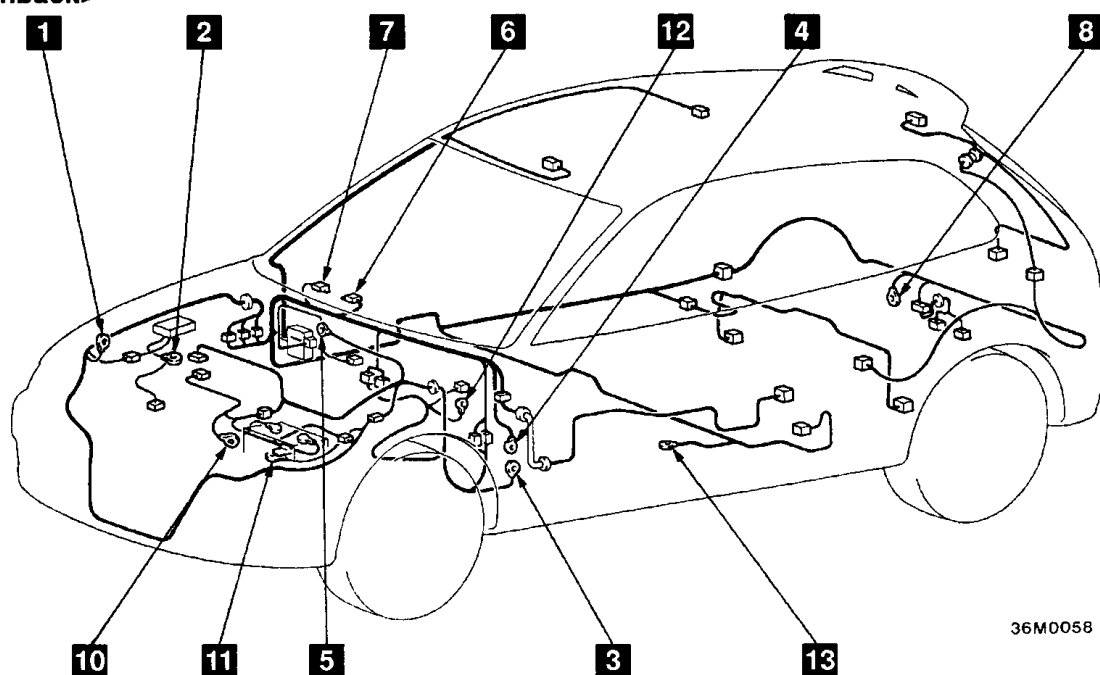
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NOTE

Same earth number are used in the circuit diagram.

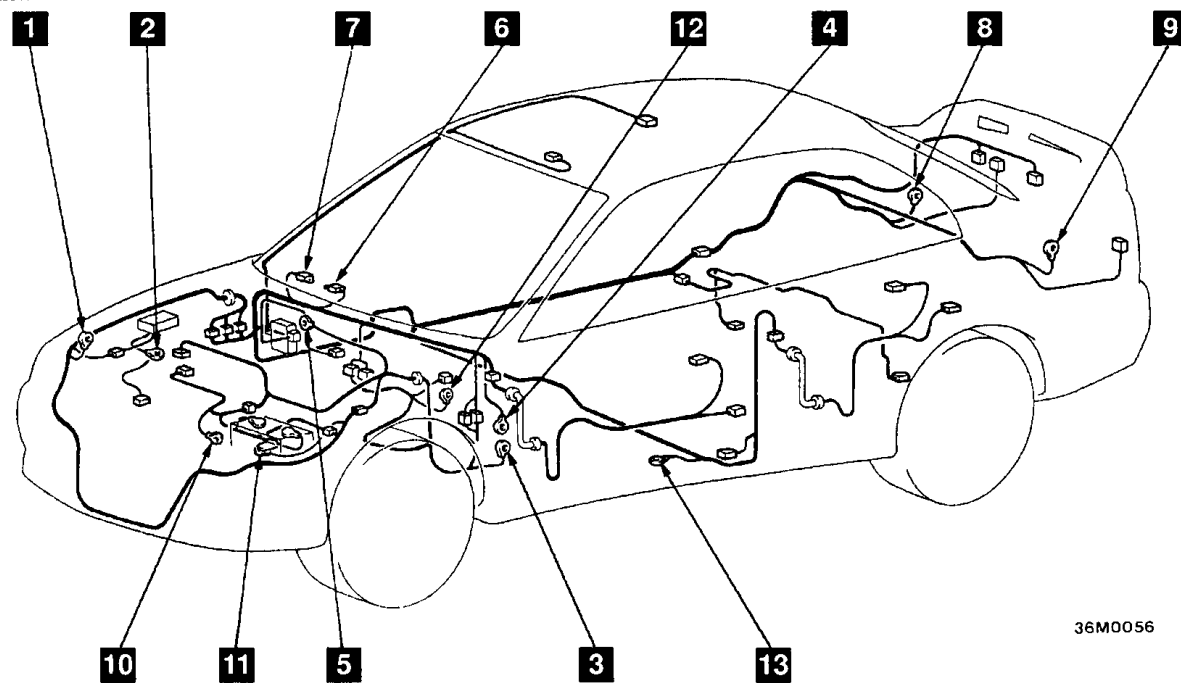
R.H.drive vehicles

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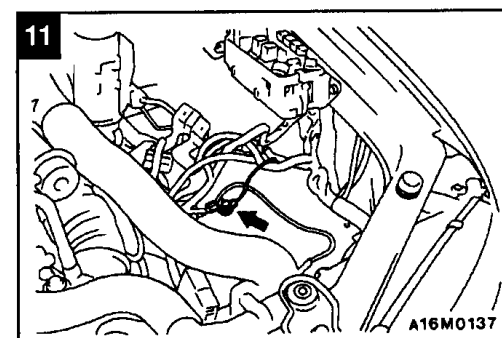
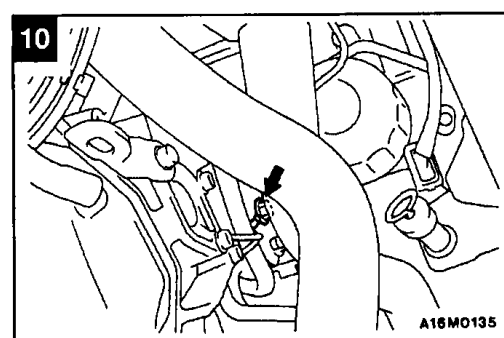
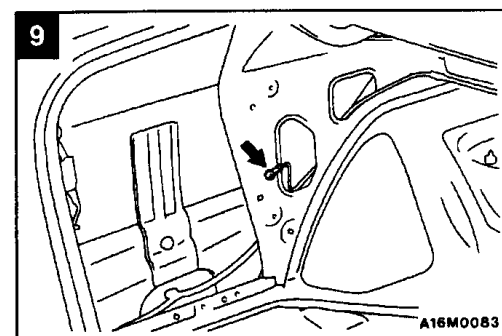
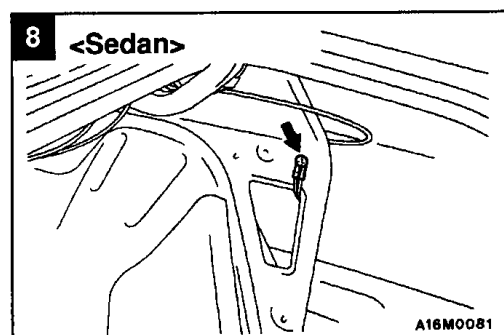
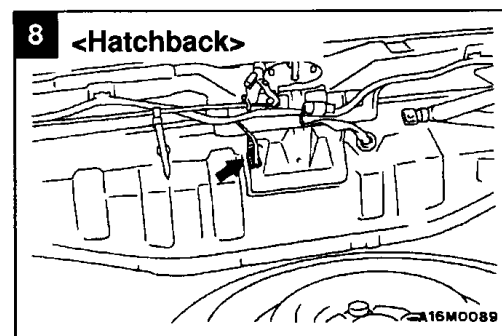
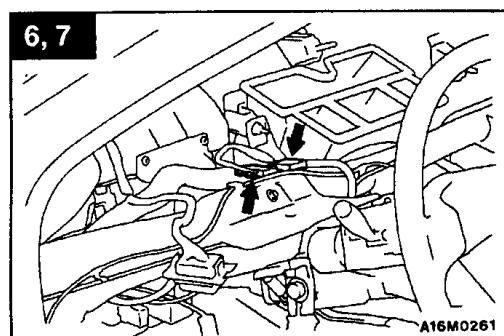
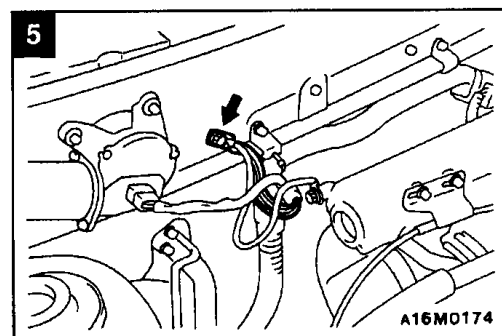
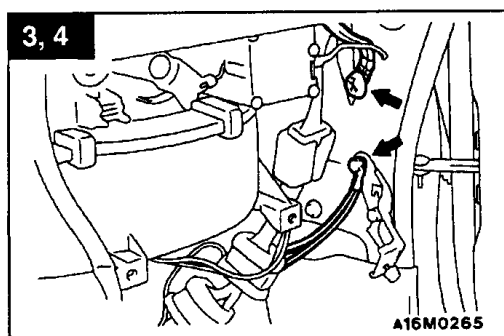
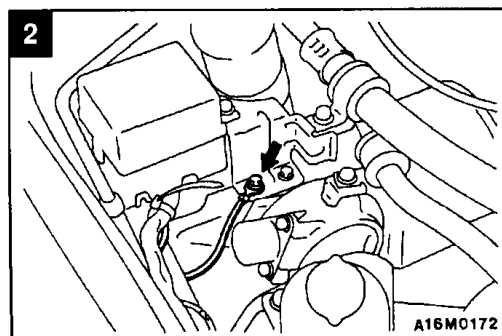
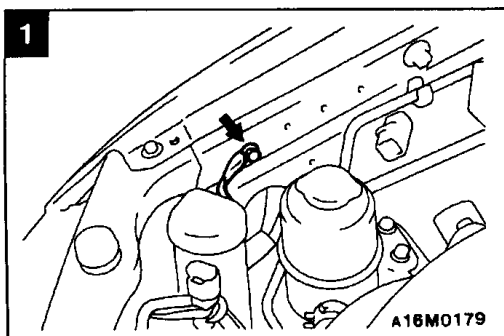
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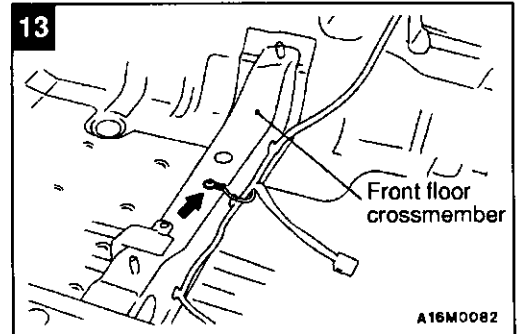
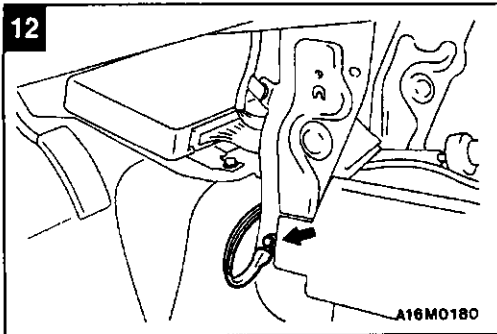
<Sedan>



36M0056

00004642





CIRCUIT DIAGRAM

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90109000103

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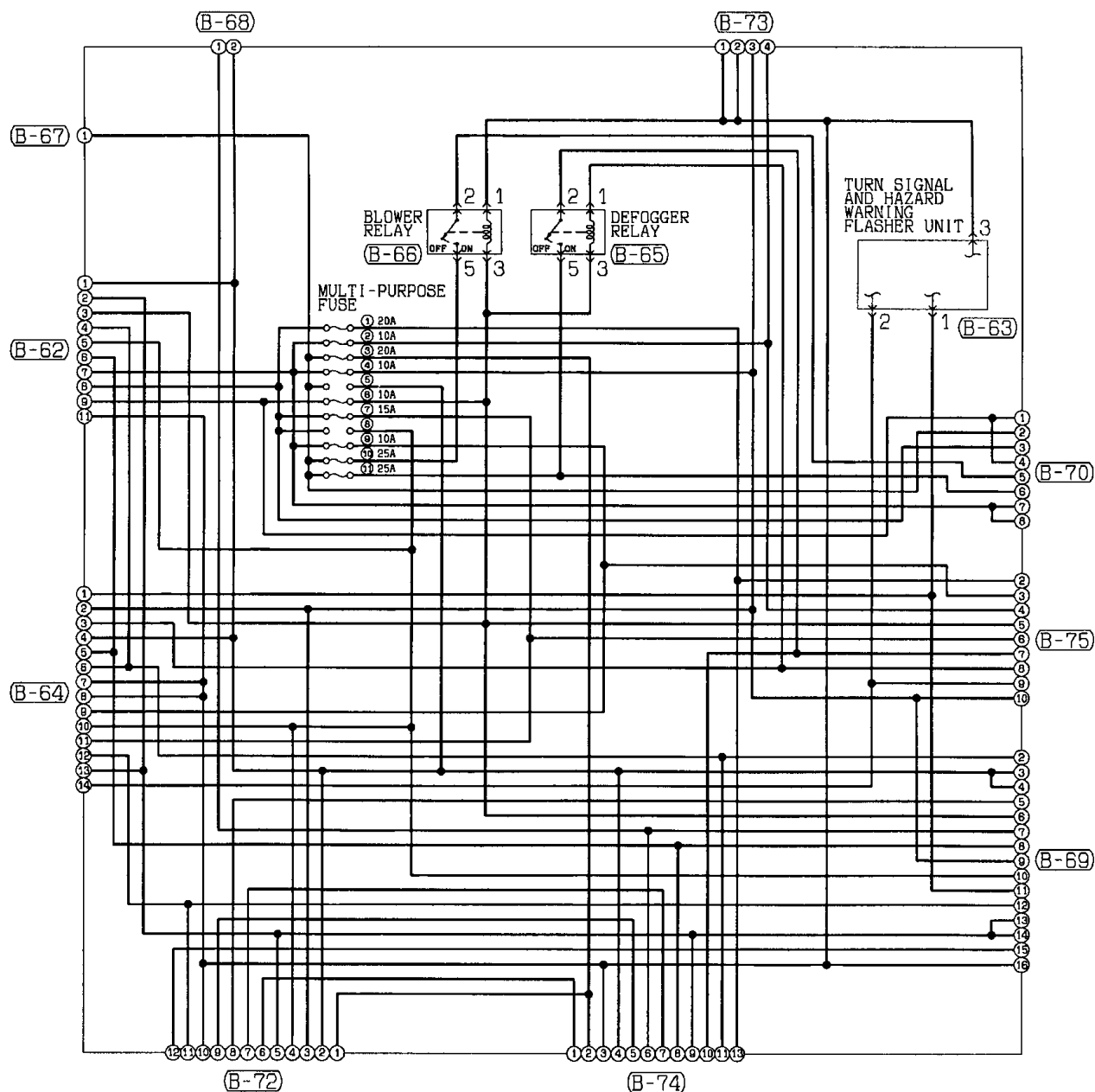
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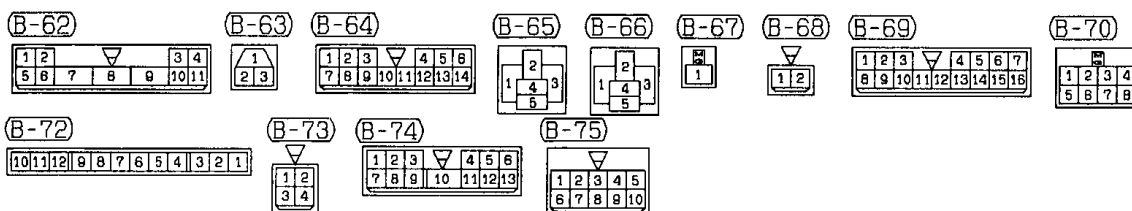
NOTES

JUNCTION BLOCK (J/B)

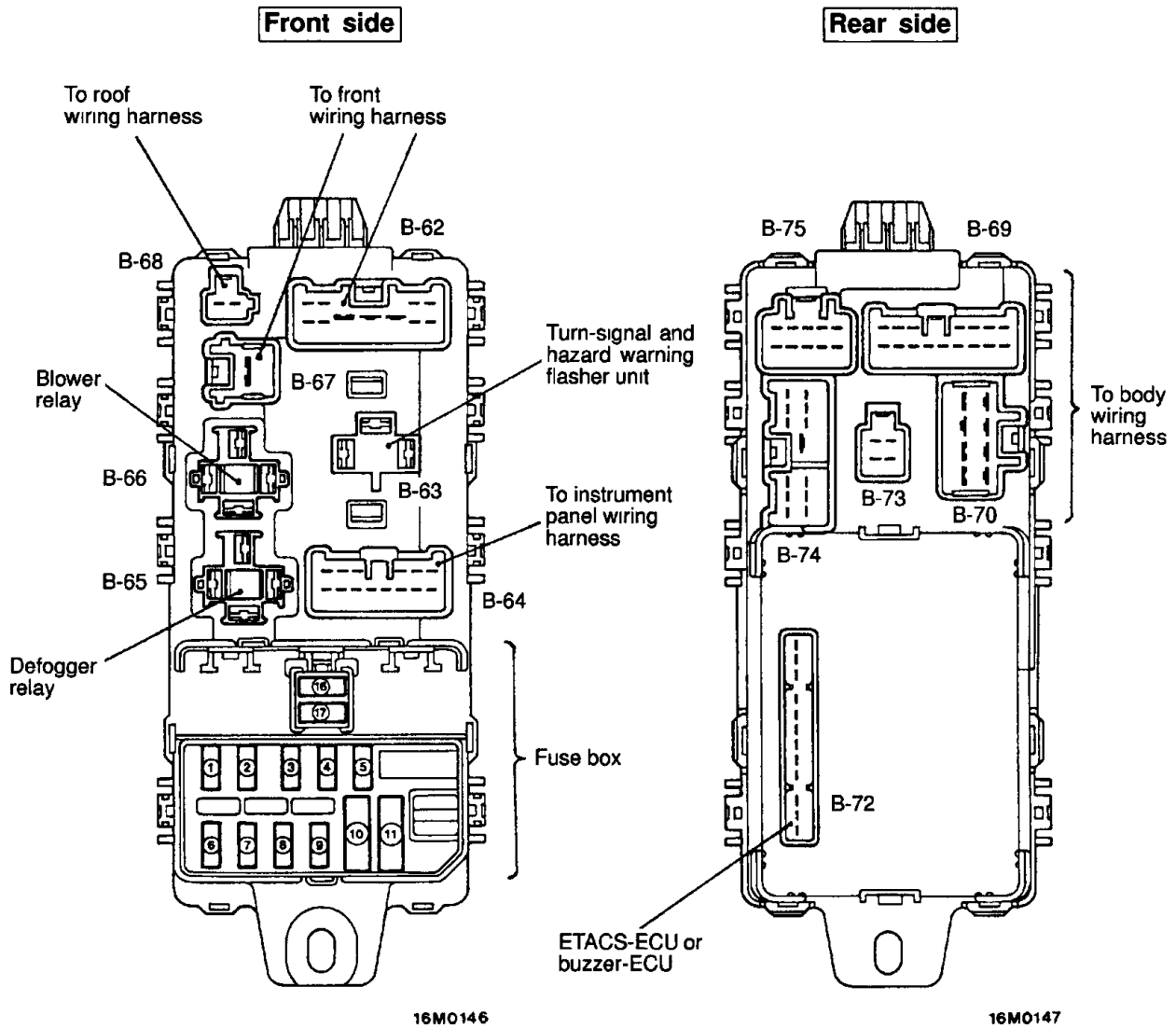
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Remark
Connector numbers are keyed to the configuration diagram (DASH PANEL)
and each circuit diagram.



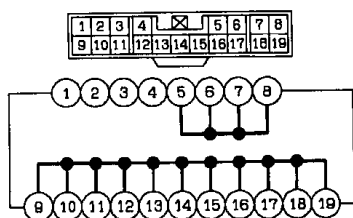
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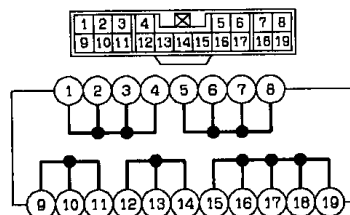
JOINT CONNECTOR (J/C)

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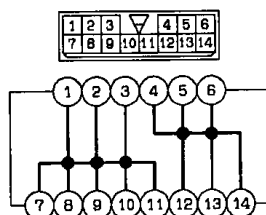
J/C (1) B-51



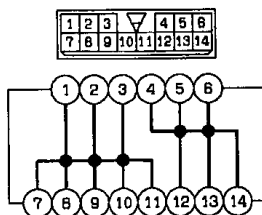
J/C (5) B-38



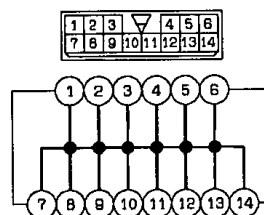
J/C (2) B-49



J/C (3) B-48



J/C (4) B-47



Remark

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

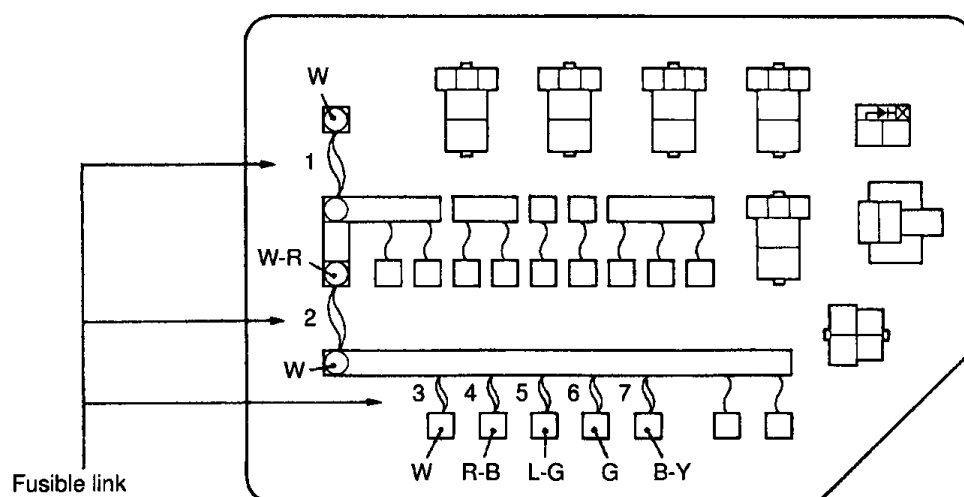
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CENTRALIZED JUNCTION

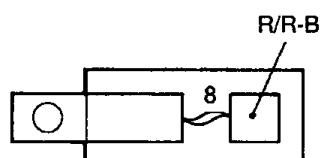
90100030156

FUSIBLE LINK

No.	Circuit	Housing colour	Rated capacity (A)
1	Dedicated fuse No. (16) and multi-purpose fuse No. (3), (10), (11)	Yellow	60
2	Fusible link No. (1), dedicated fuse No. (1), (2) and alternator	Blue	100
3	Ignition switch	Pink	30
4	Dedicated fuse No (7), (8), (9), alternator, fog lamp, headlamp, headlamp leveling system, headlamp washer and tail lamp	Green	40
5	Radiator fan motor	Pink	30
6	Power windows	Pink	30
7	ELC 4-speed automatic transmission, immobilizer system and MPI system	Blue	20
8	Anti-skid braking system	Yellow	60

(Relay box in engine compartment)

A16M0141

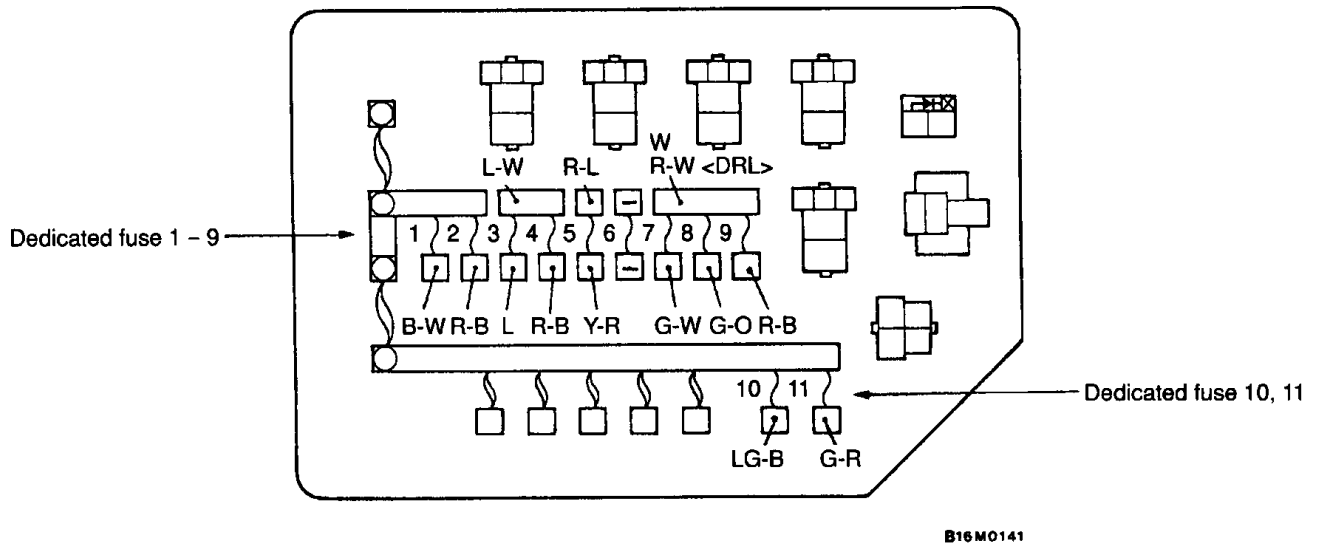
(Connected directly to battery positive terminal)

A16M0145

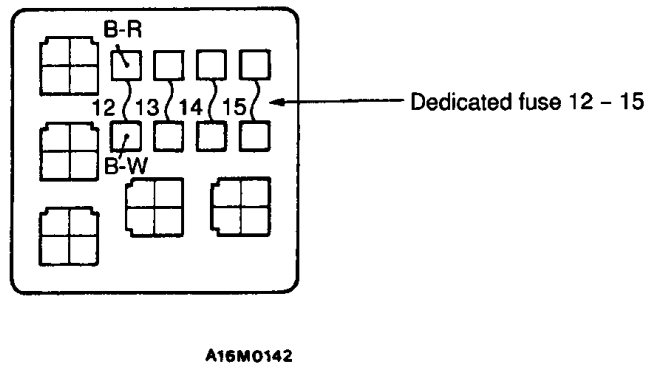
DEDICATED FUSE

Power supply circuit	No.	Rated capacity (A)	Housing Colour	Circuit
Battery (Fusible link No. 2)/Alternator	1	25	Transparent	A/C compressor and condenser fan motor
	2	10	Red	ECU power supply, luggage compartment lamp, radio, room lamp, meter and gauge and MUT-II power supply
Ignition switch (ACC)	3	10	Red	Clock and radio
	4	10	Red	Horn
Headlamp relay (Fusible link No. 4)	5	10	Red	Headlamp leveling, high beam indicator and rear fog lamp
—	6	—	—	—
Tail lamp relay <with DRL>, Lighting switch <without DRL> (Fusible link No. 4)	7	10	Red	Headlamp washer, tail lamp and illumination lamp
	8	10	Red	Position lamp and tail lamp
	9	15	Blue	Front fog lamp
Battery/Alternator (Fusible link No. 2)	10	10	Red	Hazard warning lamp
	11	15	Blue	Stop lamp
Battery/Alternator (Dedicated fuse No. 1)	12	10	Red	A/C compressor
—	13	—	—	—
—	14	—	—	—
—	15	—	—	—
Battery/Alternator (Fusible link No. 1)	16	20	Yellow	Sunroof
Ignition switch (IG2)	17	10	Red	Heated seat

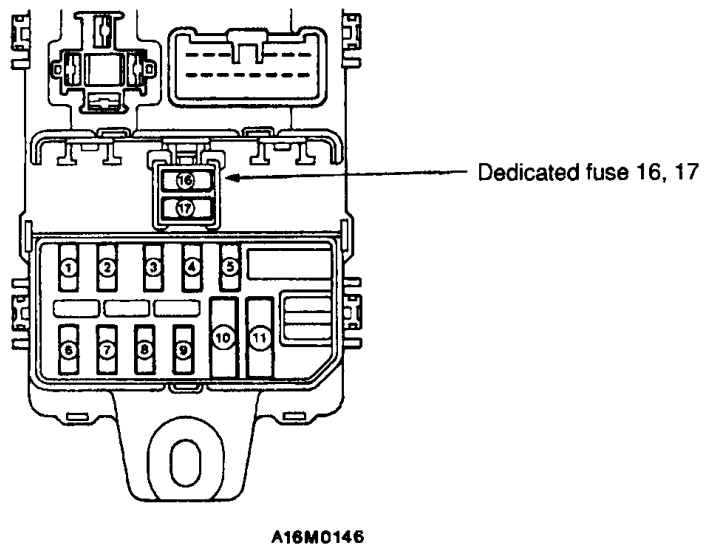
(Relay box in engine compartment)



(A/C relay box in engine compartment)

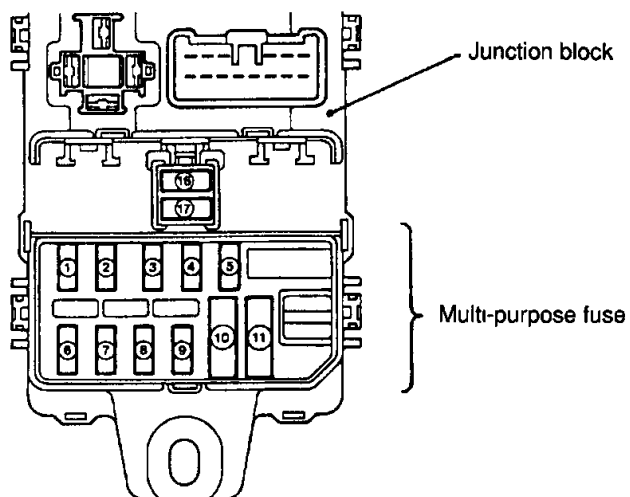


(In junction block)



MULTI-PURPOSE FUSE (In junction block)

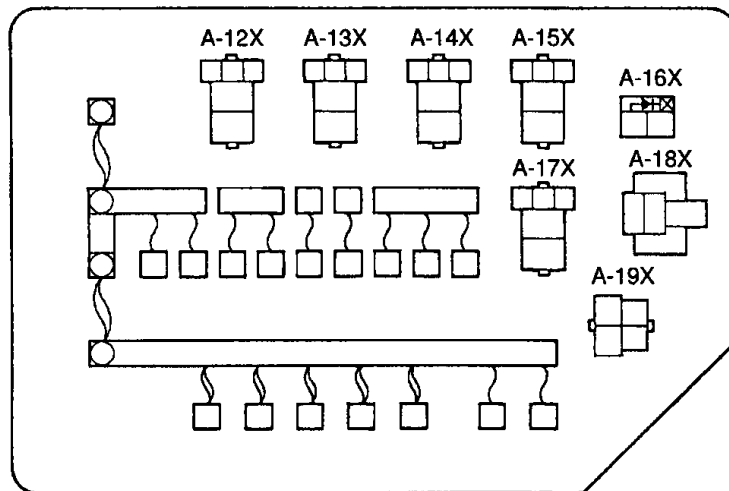
Power supply circuit		No.	Rated capacity (A)	Housing colour	Load circuit
Ignition switch	ACC	1	20	Yellow	Intermittent wiper relay, washer motor and wiper motor
	IG1	2	10	Red	A/T indicator lamp, back-up lamp, ELC-4A/T-ECU, input shaft speed sensor, output shaft speed sensor, SRS-ECU and stop lamp
Battery		3	20	Yellow	ETACS-ECU
Ignition switch	IG1	4	10	Red	Combination meter, ETACS-ECU, immobilizer-ECU, SRS-ECU, sunroof-ECU and vehicle speed sensor
Battery		5	—	—	—
Ignition switch	IG2	6	10	Red	ABS-ECU, ABS valve relay, A/C switch, thermostat, blower relay, defogger relay, DRL-ECU, DRL relay (1), headlamp washer relay and power window relay
Battery		7	15	Blue	Cigarette lighter and remote controlled mirror
Ignition switch	ACC	8	—	—	—
	IG1	9	10	Red	Turn-signal and hazard warning flasher unit
Battery		10	25	Trans-parent	Blower motor
		11	25	Trans-parent	Defogger, defogger switch and mirror heater



B16M0146

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

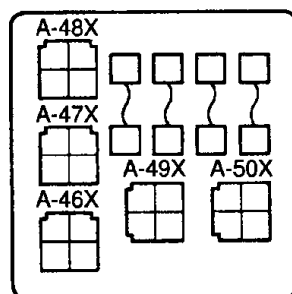
Connector No.	Name	Connector No.	Name
A-12X	Rear fog lamp relay	A-16X	—
A-13X	Horn relay <SRS>	A-17X	Headlamp relay
A-14X	Tail lamp relay <DRL>	A-18X	—
A-15X	Radiator fan relay	A-19X	Alternator relay



16M0141

(A/C relay box in engine compartment)

Connector No.	Name	Connector No.	Name
A-46X	Condenser fan relay	A-49X	—
A-47X	—	A-50X	A/C compressor relay
A-48X	—		



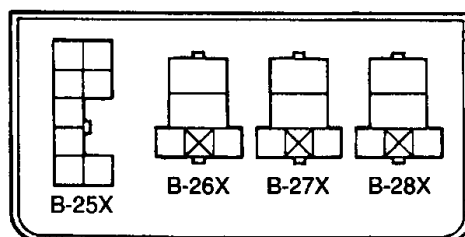
16M0142

4-12

CIRCUIT DIAGRAM

(Relay box in passenger compartment)

Connector No.	Name	Connector No.	Name
B-25X	Rear intermittent wiper relay	B-27X	Power window relay
B-26X	—	B-28X	—



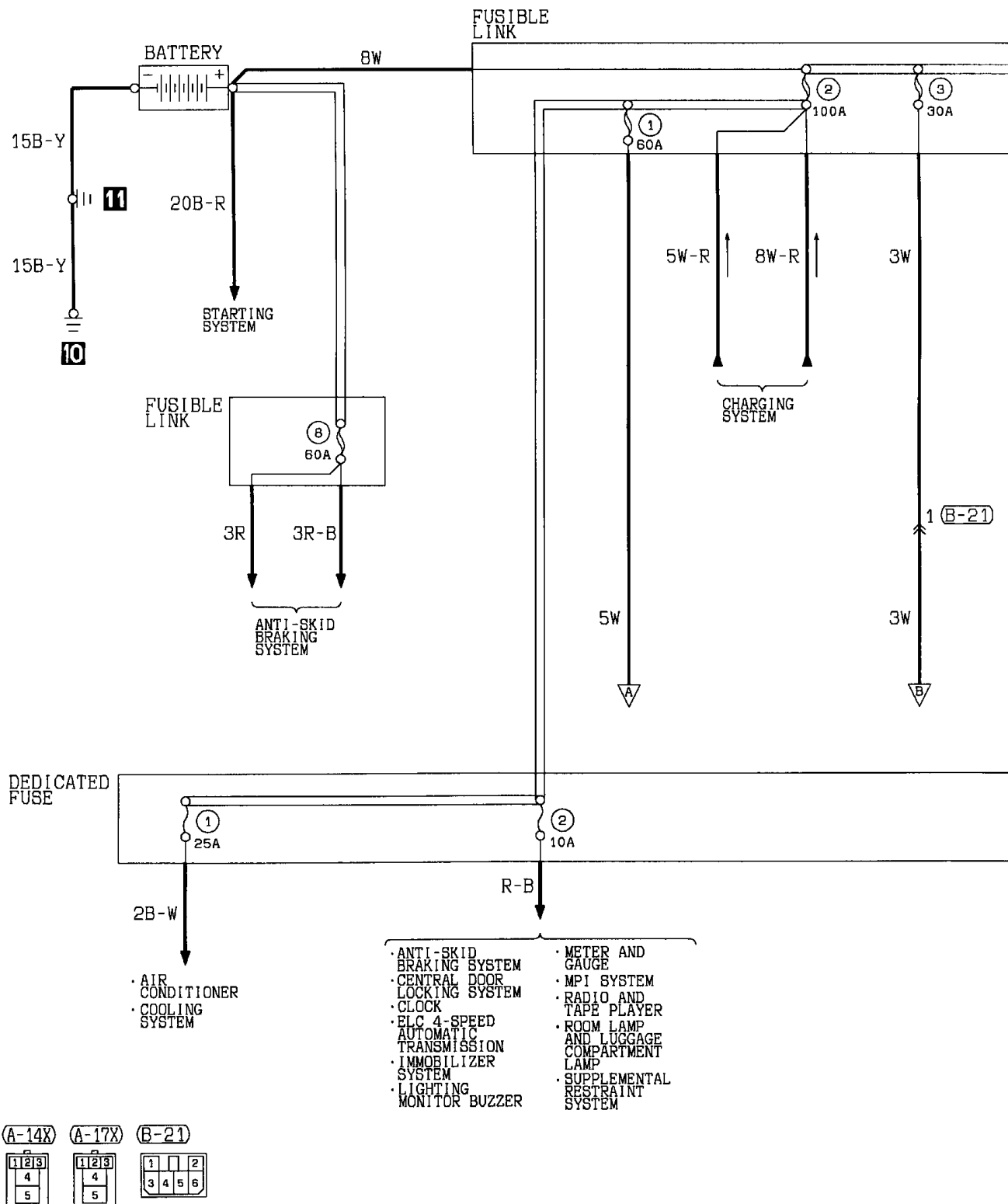
16M0143

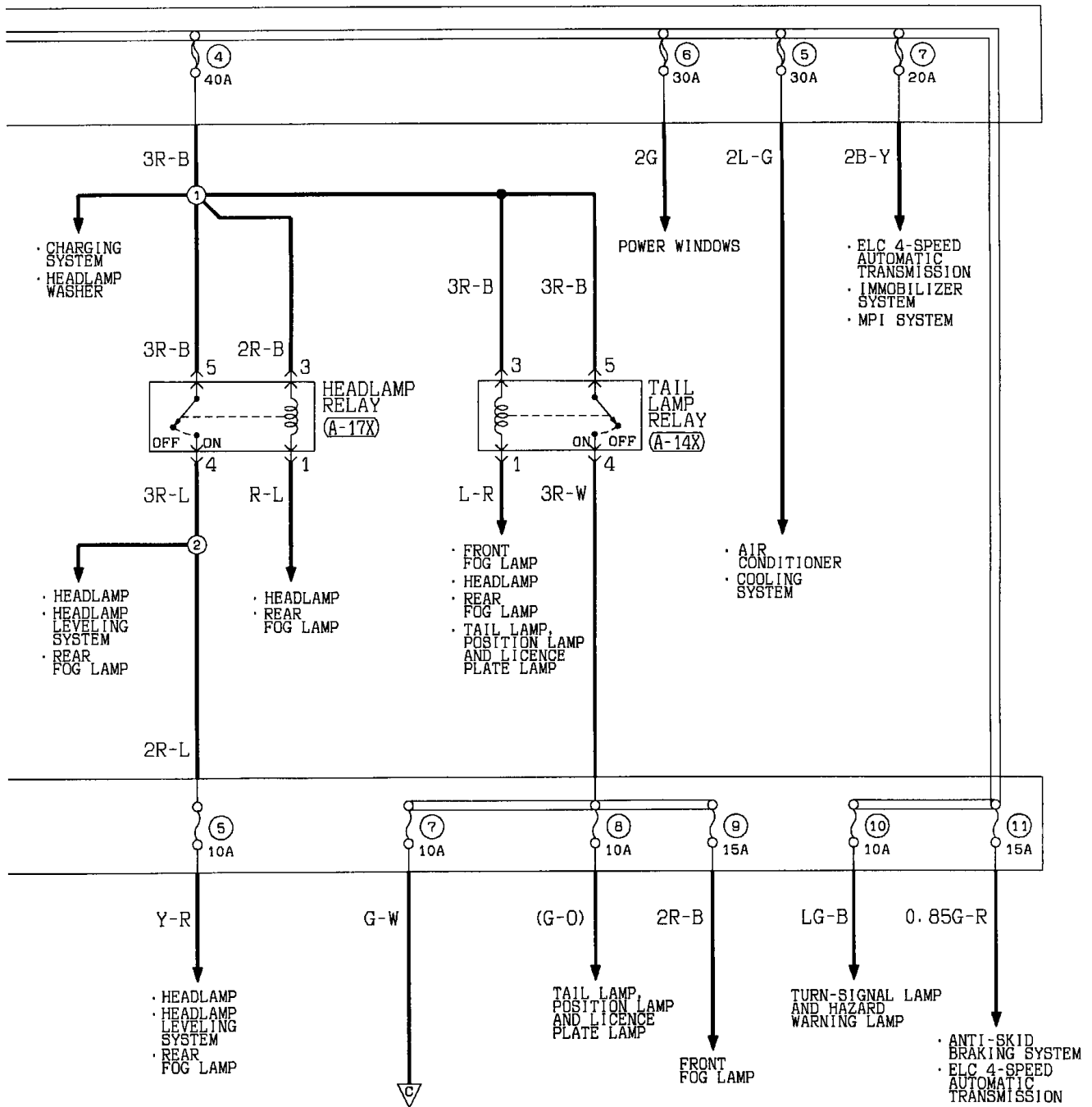
NOTES

POWER DISTRIBUTION SYSTEM

90100040173

Vehicles with daytime running lamp





The diagram illustrates the electrical system for the 1990 Honda Civic EX 1.6L. It shows the power flow from the ignition switch (B-55) through various fuses and relays to the vehicle's components.

Ignition Switch (B-55) Connections:

- Terminal 1 (ACC):** Powers the Heated Seat (via a 10A fuse, 2L-B wire).
- Terminal 2 (ON):** Powers the Ignition (IG1, IG2) and the Ignition Relay (IG1, IG2).
- Terminal 3 (LOCK):** Powers the Ignition (IG1, IG2) and the Ignition Relay (IG1, IG2).
- Terminal 4 (ST):** Powers the Ignition (IG1, IG2) and the Ignition Relay (IG1, IG2).
- Terminal 5 (ACC):** Powers the Heated Seat (via a 10A fuse, 2L-B wire).
- Terminal 6 (ST):** Powers the Ignition (IG1, IG2) and the Ignition Relay (IG1, IG2).

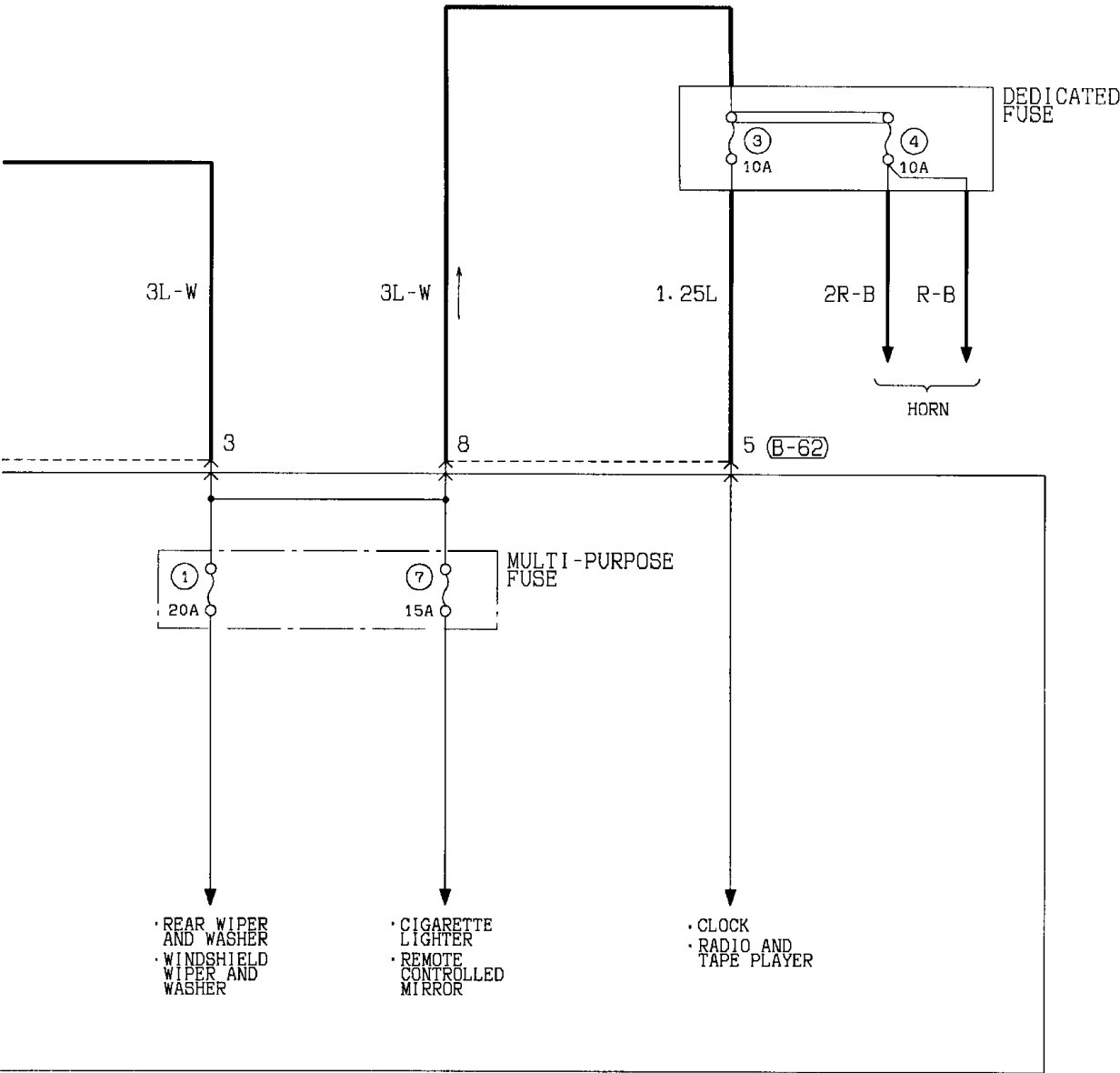
Fuses and Relays:

- FUSIBLE LINK 3 (3W):** Connects to the Ignition Switch.
- IGNITION RELAY (B-70):** Controls the Ignition (IG1, IG2) and the Ignition Relay (IG1, IG2).
- DEDICATED FUSE (17):** 10A fuse for the Heated Seat.
- MULTI-PURPOSE FUSE:** Contains four 10A fuses (2, 4, 9, 6) for various systems.

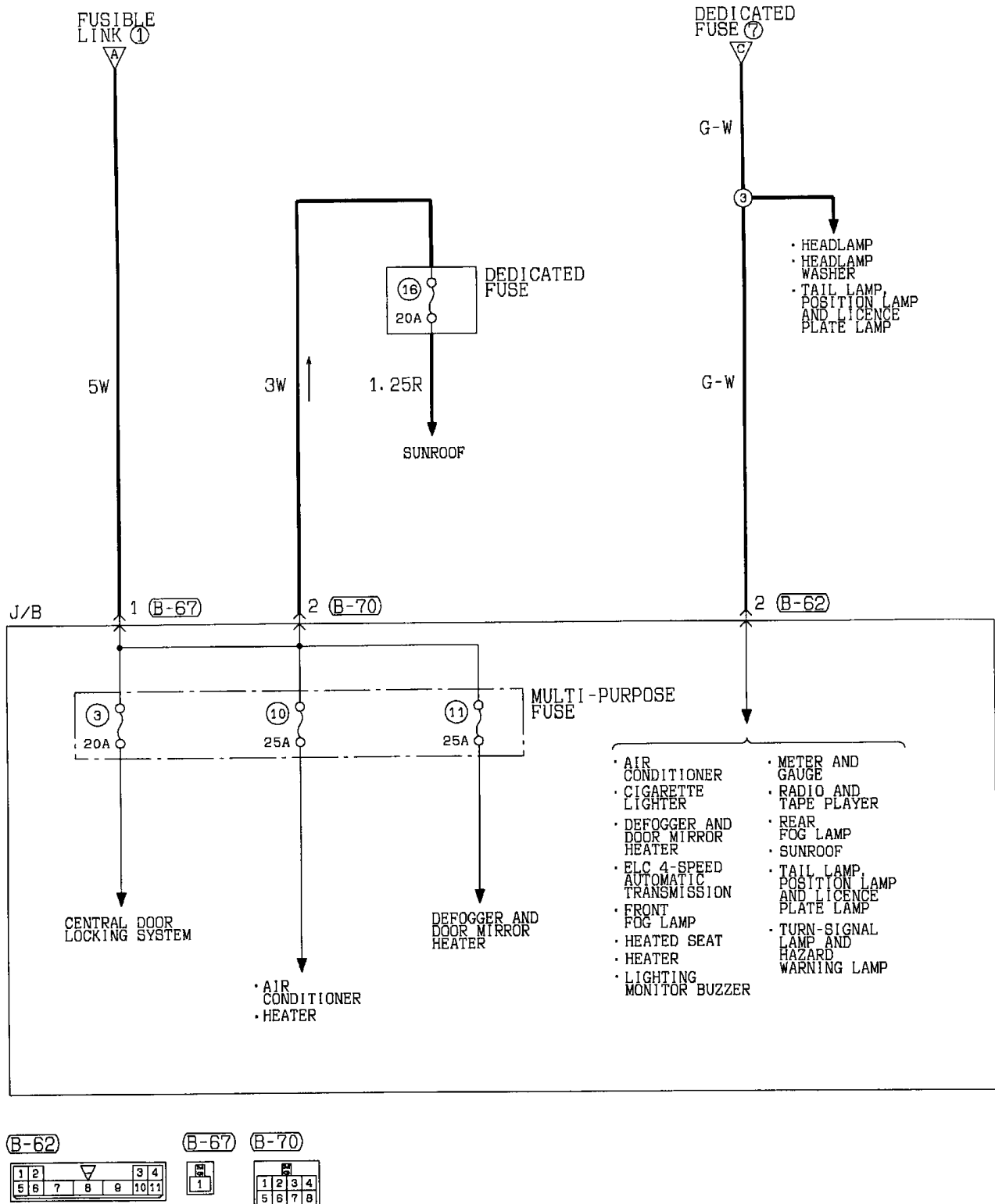
Vehicle Components and Systems:

- ELC 4-SPEED AUTOMATIC TRANSMISSION:** Powers the ELC 4-SPEED AUTOMATIC TRANSMISSION, MPI SYSTEM, and STARTING SYSTEM.
- HEATED SEAT:** Powers the HEATED SEAT (via a 10A fuse, 2L-B wire).
- BACK-UP LAMP:** Powers the BACK-UP LAMP.
- ANTI-SKID BRAKING SYSTEM:** Powers the ANTI-SKID BRAKING SYSTEM, BRAKE WARNING LAMP, CENTRAL DOOR LOCKING SYSTEM, CHARGING SYSTEM, ELC 4-SPEED AUTOMATIC TRANSMISSION, FUEL WARNING LAMP, IMMOBILIZER SYSTEM, METER AND GAUGE, MPI SYSTEM, OIL PRESSURE WARNING LAMP, SUNROOF, and SUPPLEMENTAL RESTRAINT SYSTEM.
- TURN-SIGNAL LAMP AND HAZARD WARNING LAMP:** Powers the TURN-SIGNAL LAMP AND HAZARD WARNING LAMP.
- AIR CONDITIONER:** Powers the AIR CONDITIONER, ANTI-SKID BRAKING SYSTEM, DEFOGGER AND DOOR MIRROR HEATER, HEADLAMP, HEADLAMP WASHER, HEATER, POWER WINDOWS, TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP, and AIR CONDITIONER COOLING SYSTEM.

Figure 1 illustrates three examples of the 12-cell grid used in the study. Each grid is a 2x6 arrangement of cells. In (B-55), the top row contains cells 1, 2, 3 and the bottom row contains cells 4, 5, 6. In (B-62), the top row contains cells 1, 2, an empty cell, and cells 3, 4; the bottom row contains cells 5, 6, 7, 8, 9, 10, 11. In (B-70), the top row contains cells 1, 2, an empty cell, and cells 3, 4; the bottom row contains cells 5, 6, 7, 8.



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

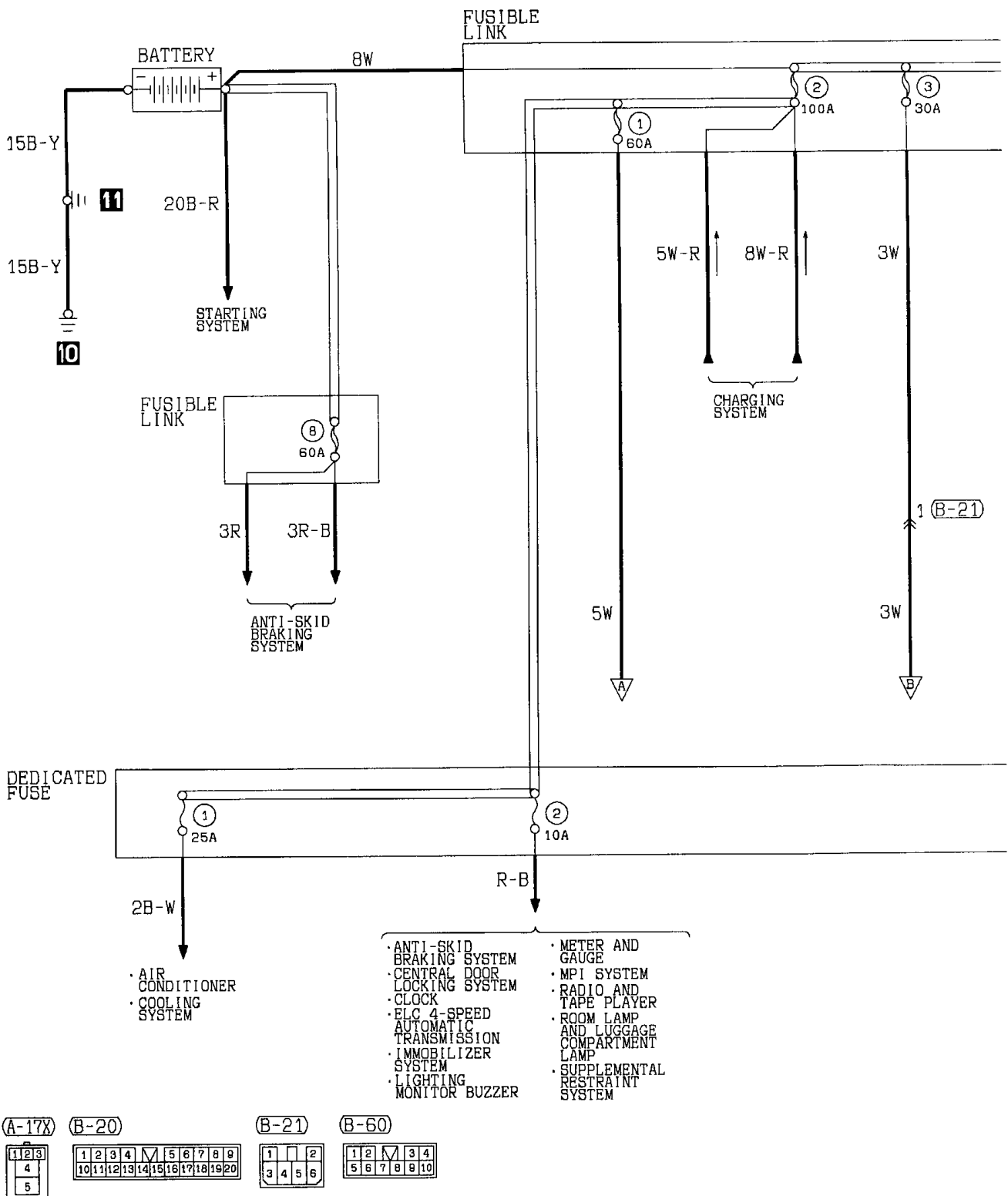


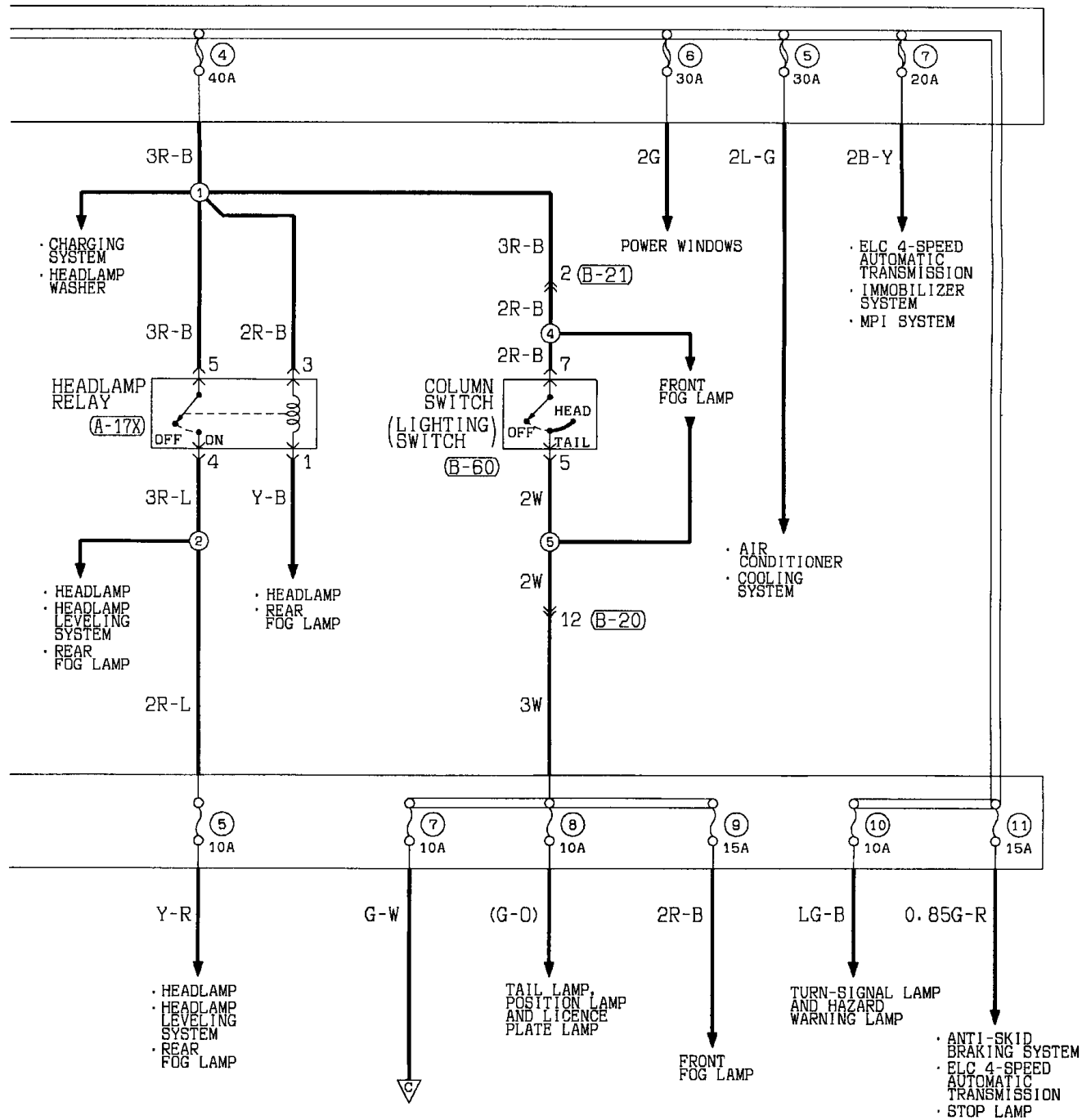
NOTES

POWER DISTRIBUTION SYSTEM

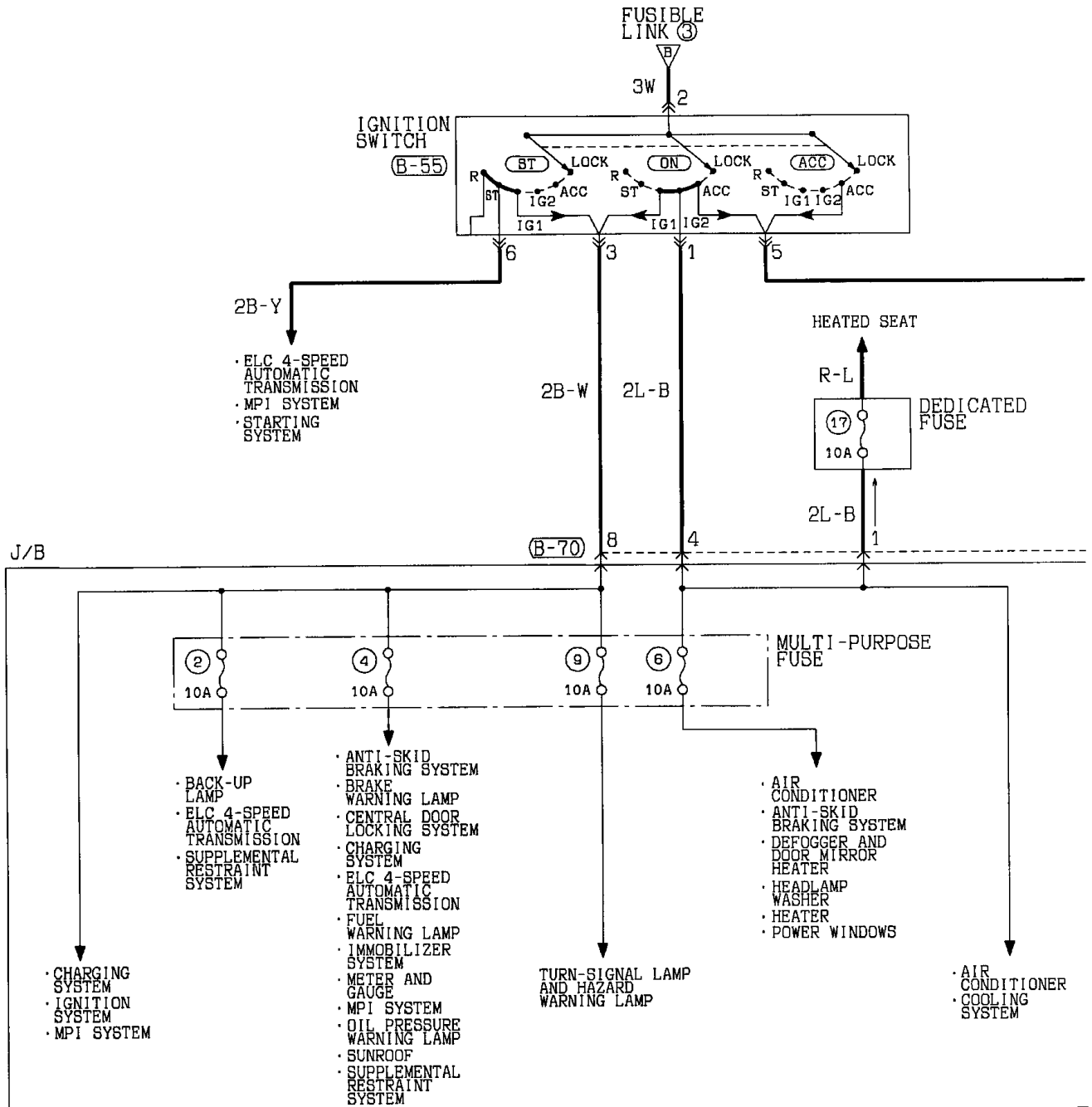
90100040180

Vehicles without daytime running lamp





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

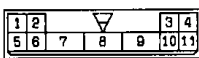


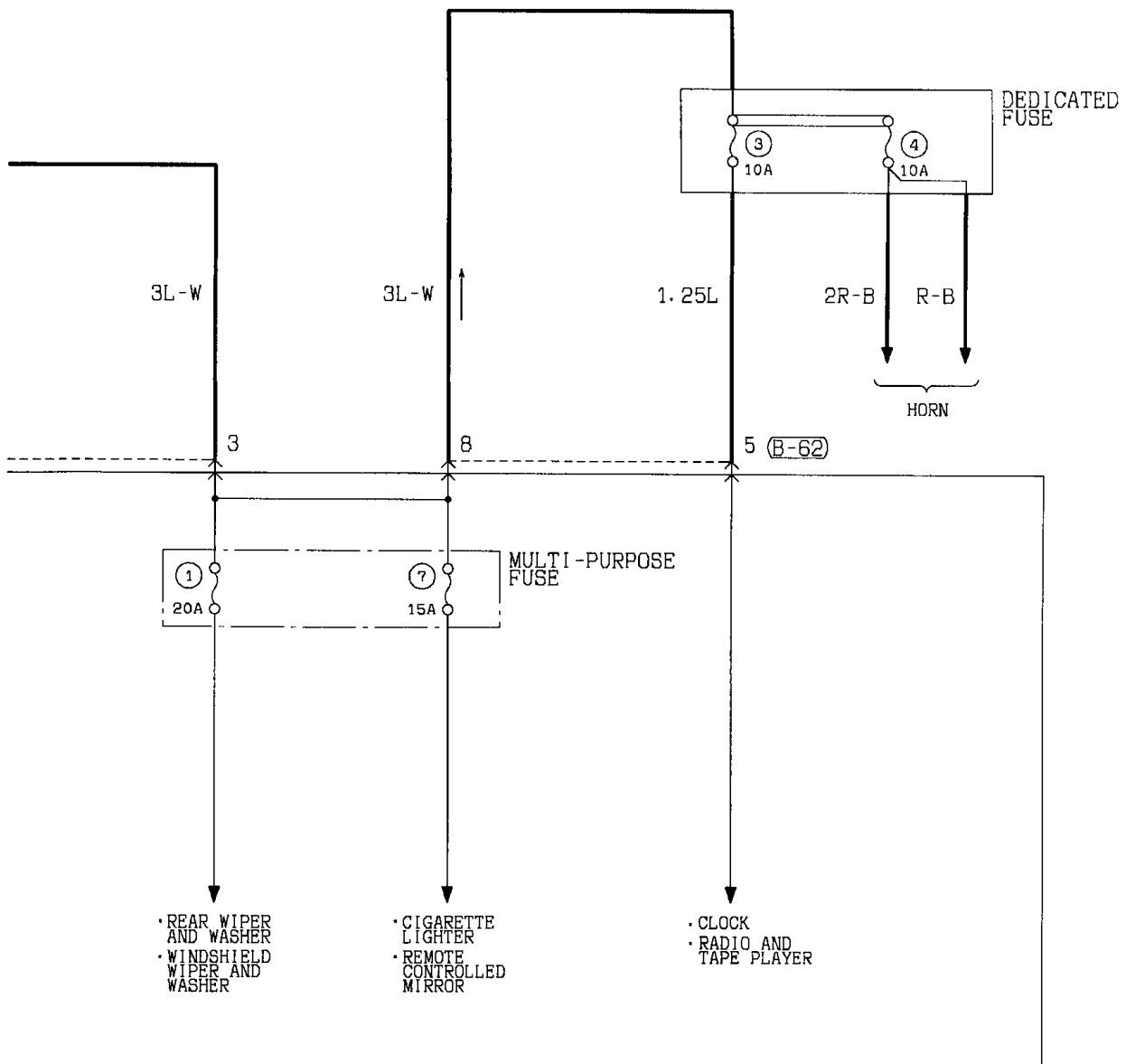
REMARK
THE ABOVE CIRCUIT DIAGRAM SHOWS THE CURRENT FLOW AT THE
IGNITION KEY POSITION "ACC", "ON" AND "ST" COMBINED.
BE SURE TRACE THE APPROPRIATE CIRCUIT DEPENDING ON THE
IGNITION KEY POSITION.

(B-55)

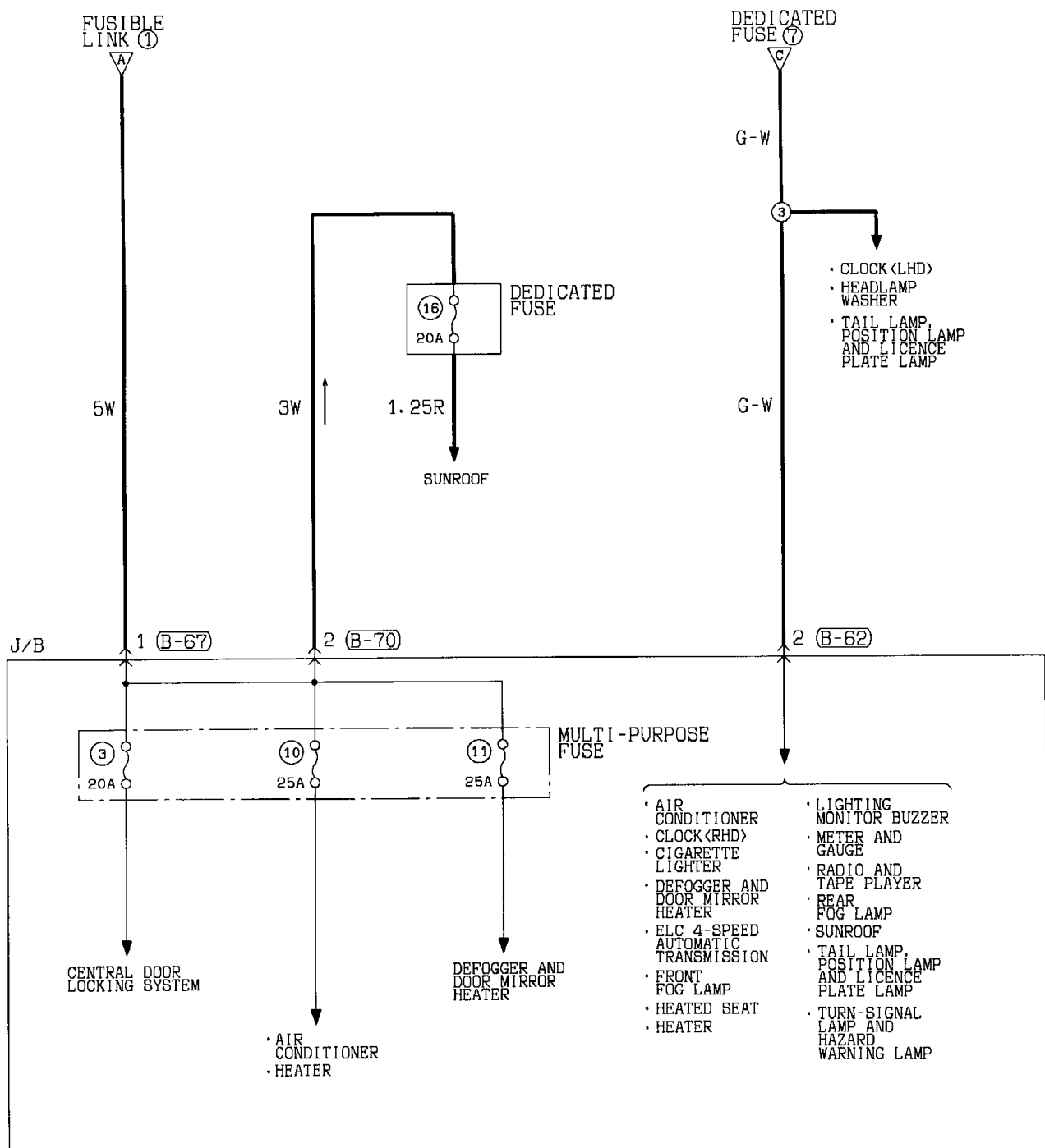
(B-62)

(B-70)





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



(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-67)

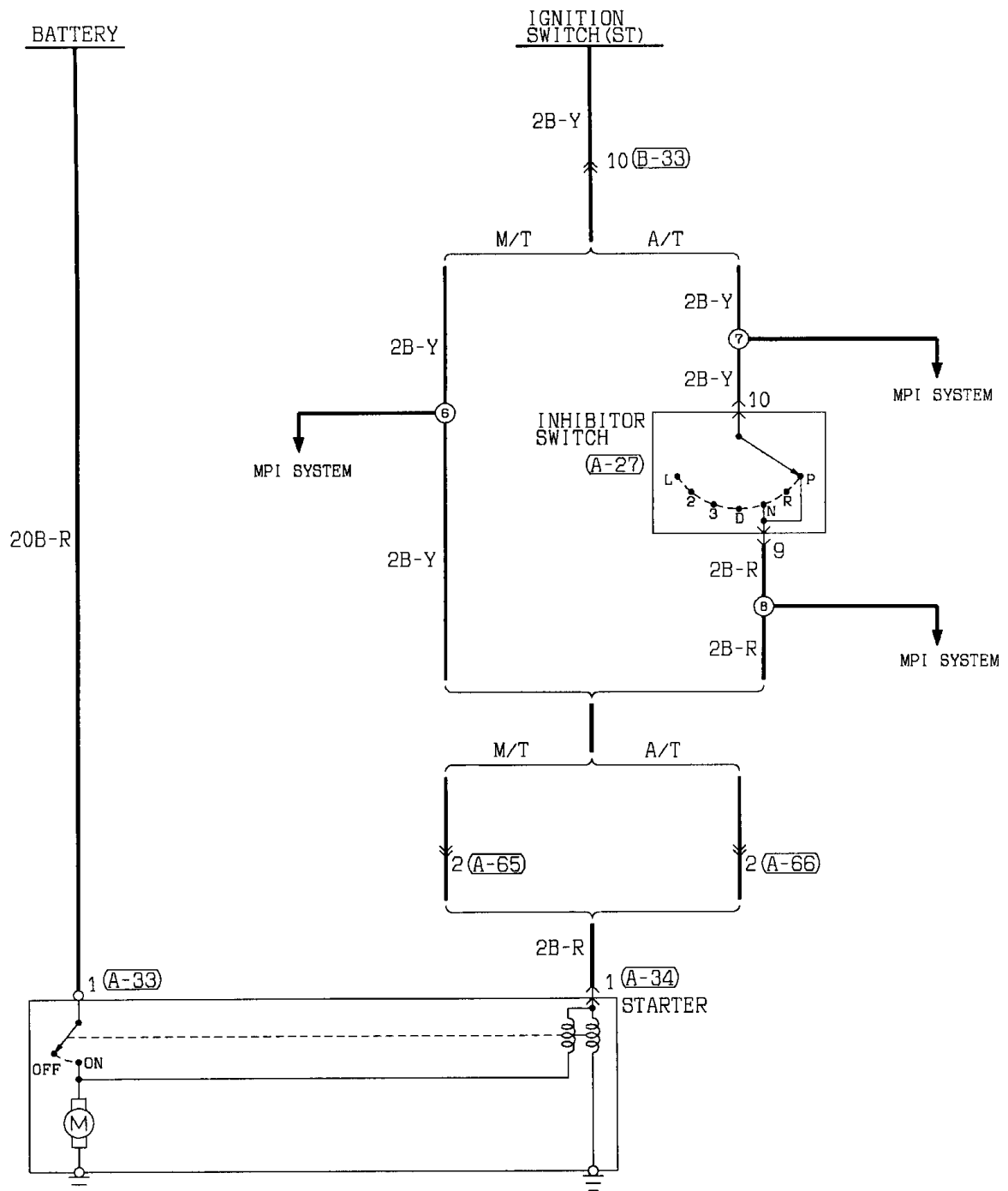
1

(B-70)

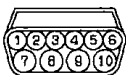
1	2	3	4
5	6	7	8

STARTING SYSTEM

90100050299



(A-27)



(A-33)

1

(A-34)

1R

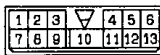
(A-65)



(A-66)



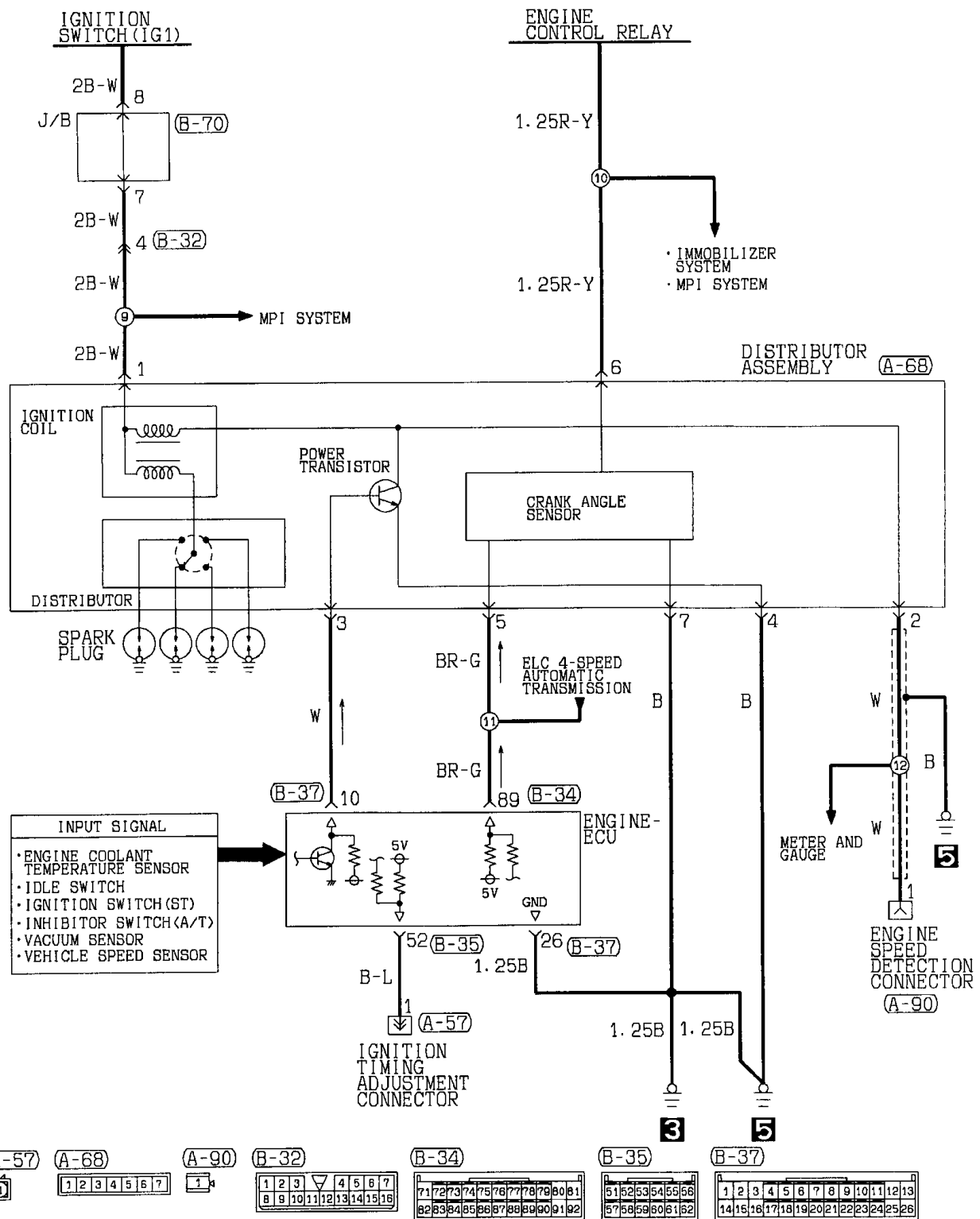
(B-33)



IGNITION SYSTEM

90100060254

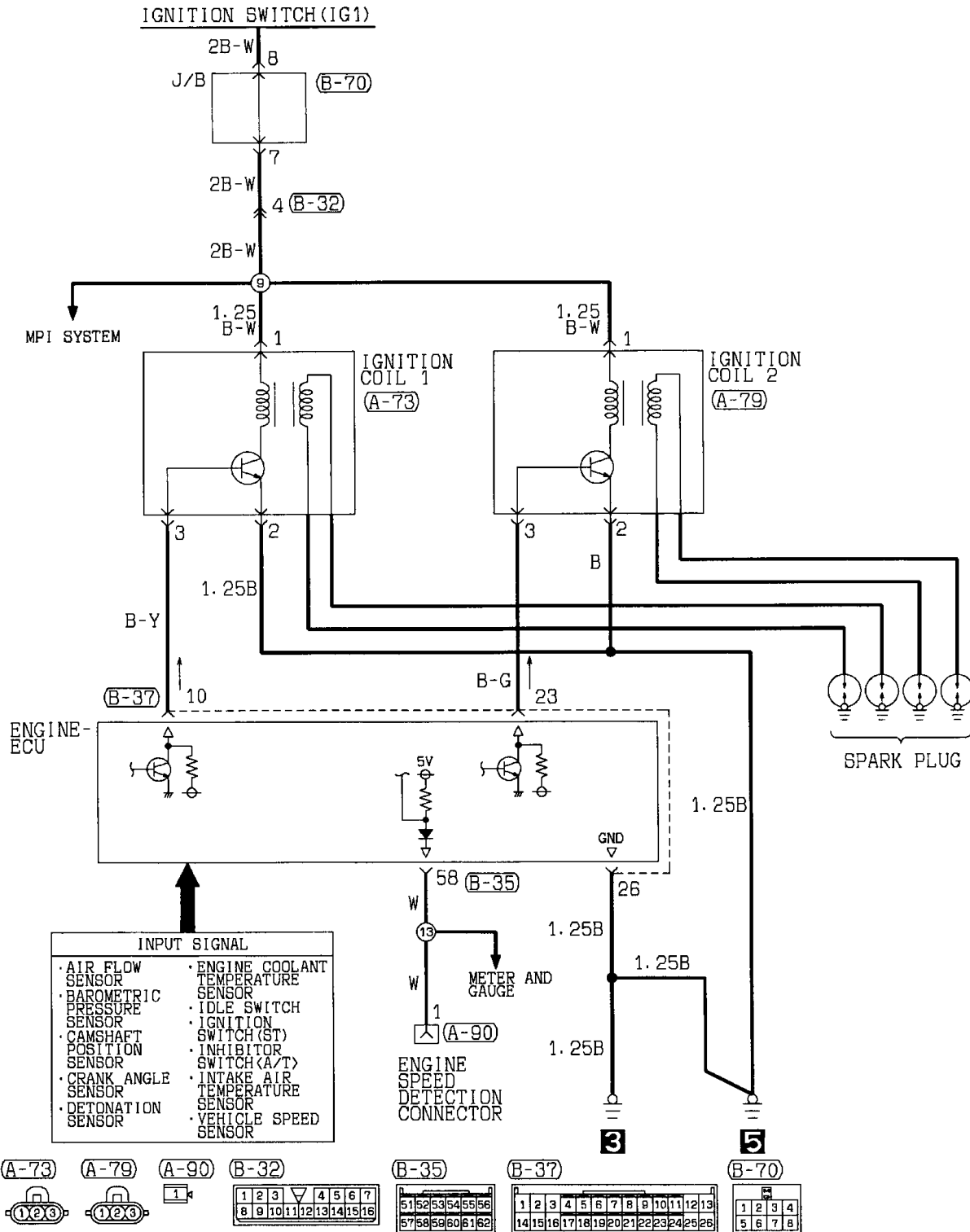
4G13



IGNITION SYSTEM

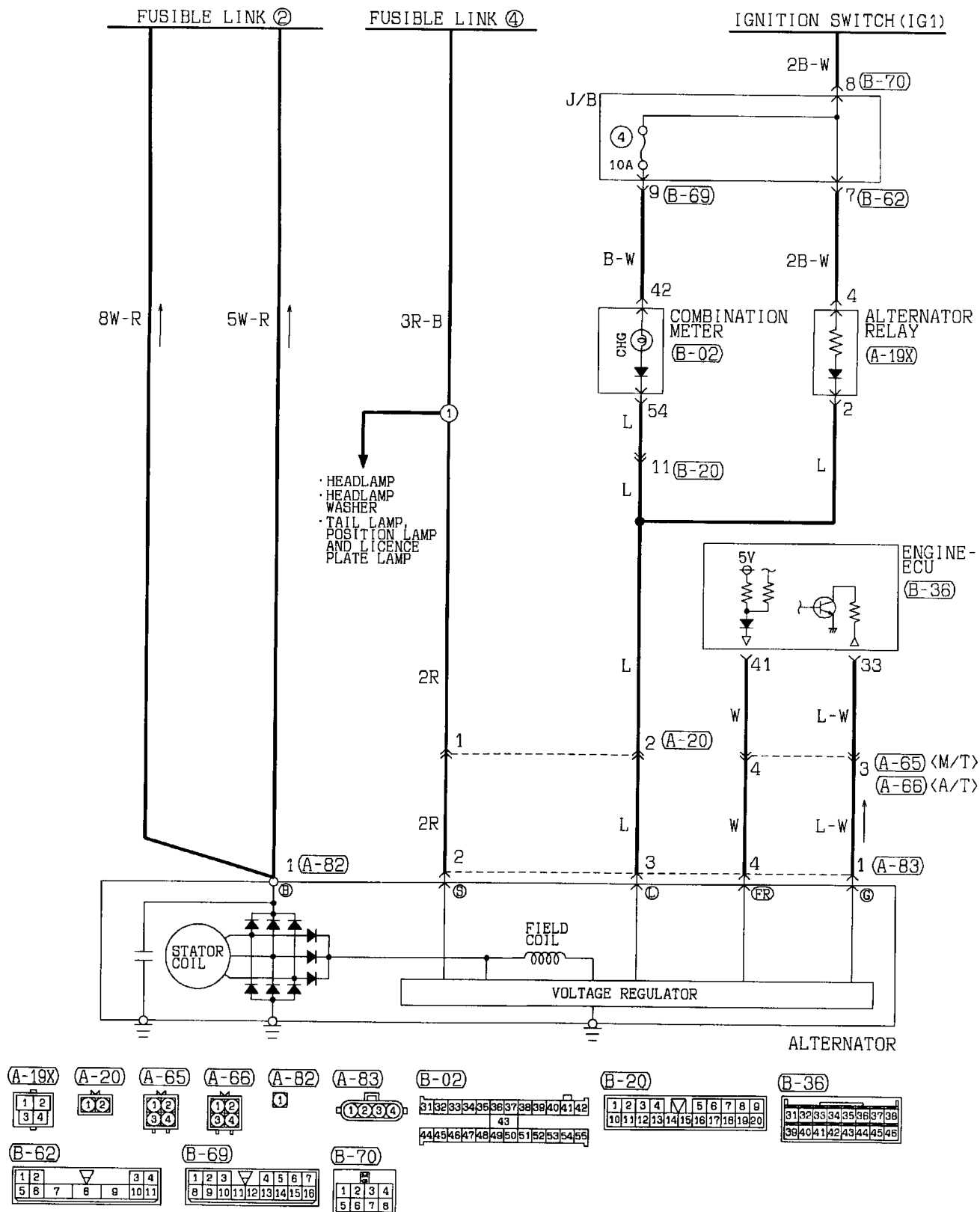
90100060261

4G92



CHARGING SYSTEM

90100070271



HC04E01AA

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

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

When engine is started and after engine has started

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

Remark

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

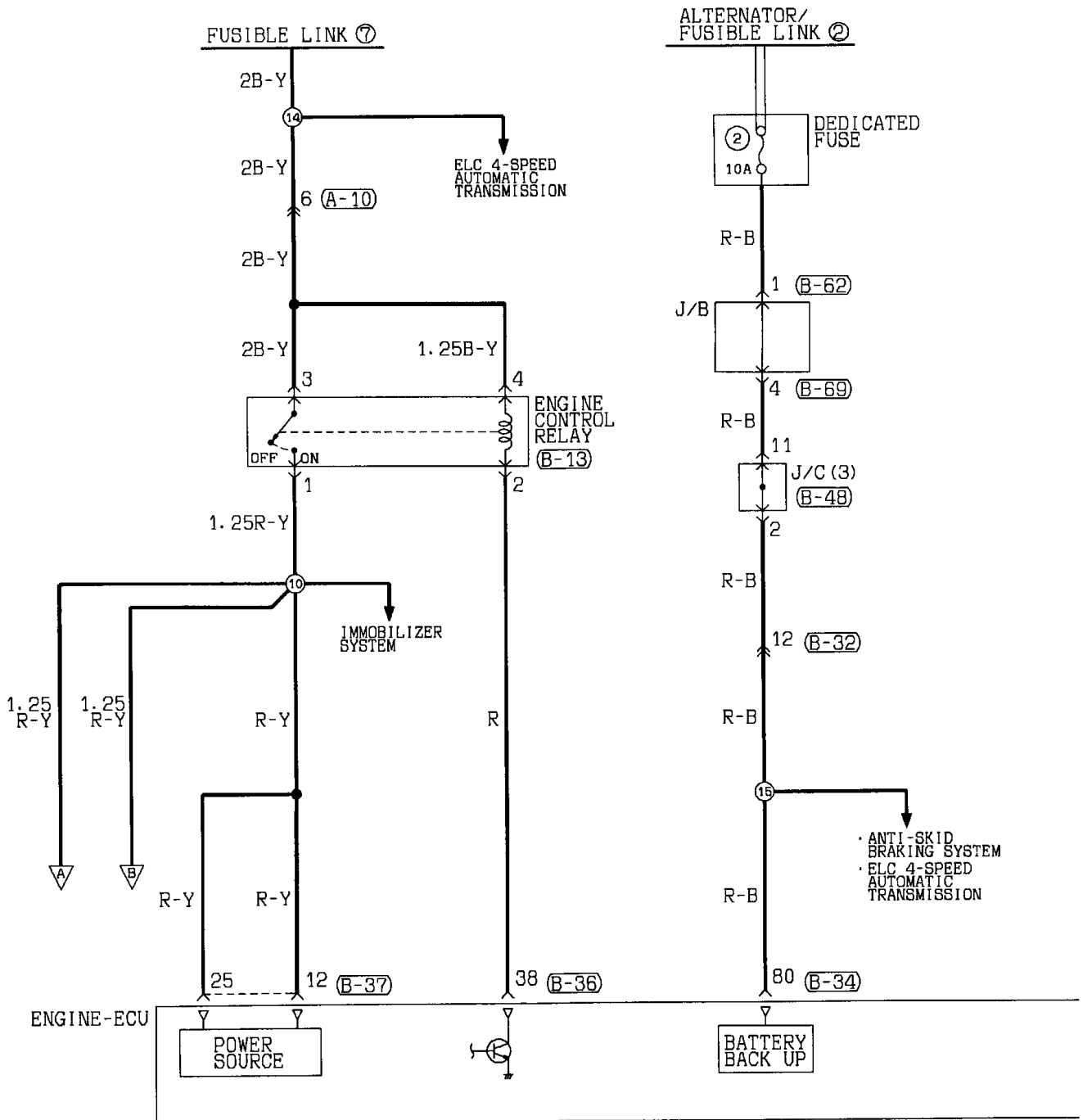
TROUBLESHOOTING HINTS

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

MPI SYSTEM

90100080410

4G13 <L.H. drive vehicles>



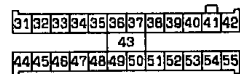
(A-10)



(A-59)



(B-02)



(B-12)



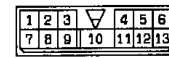
(B-13)



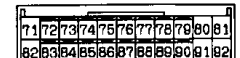
(B-32)



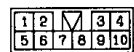
(B-33)



(B-34)

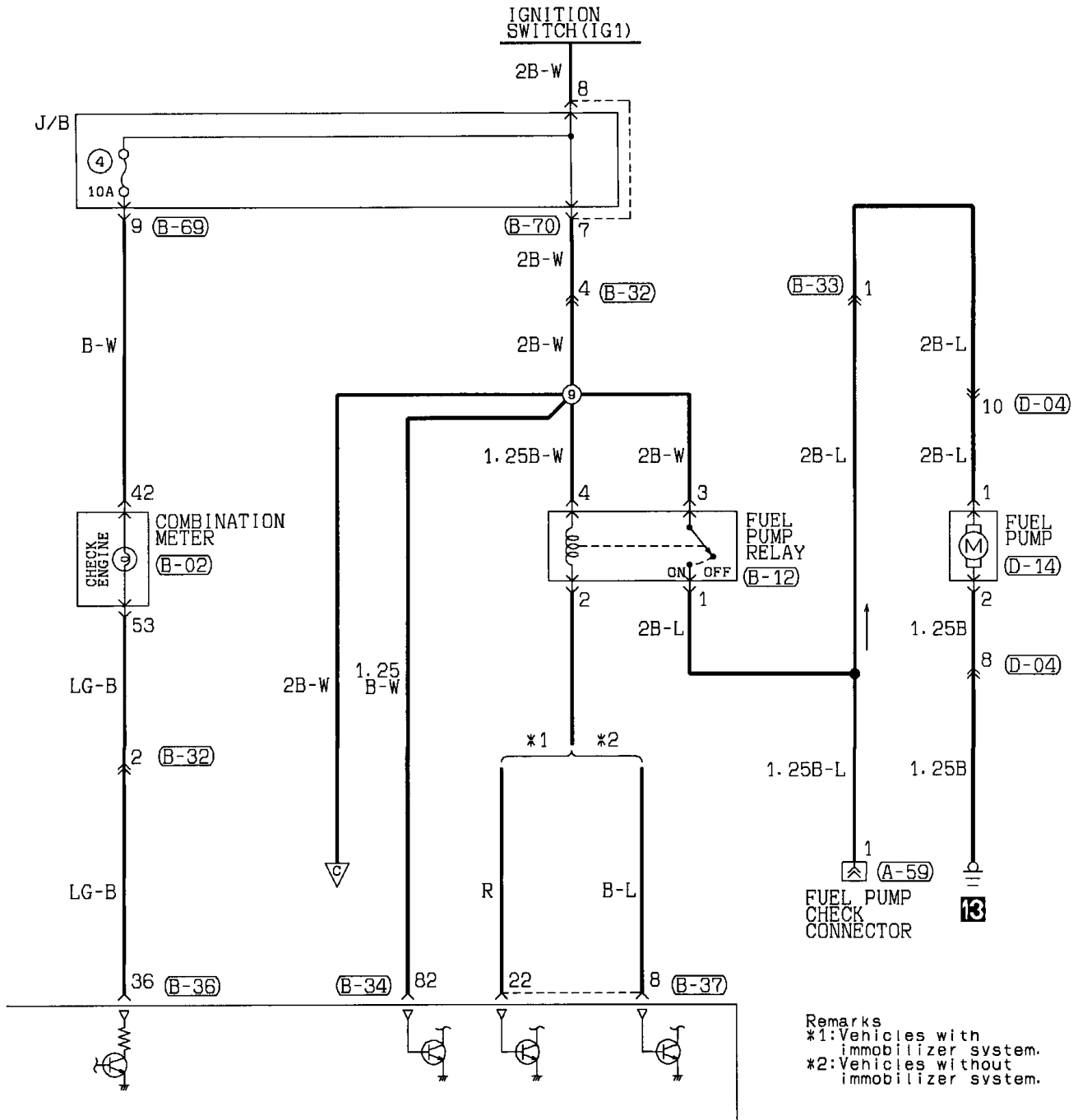


(D-04)



(D-14)





(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-69)

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

(B-70)

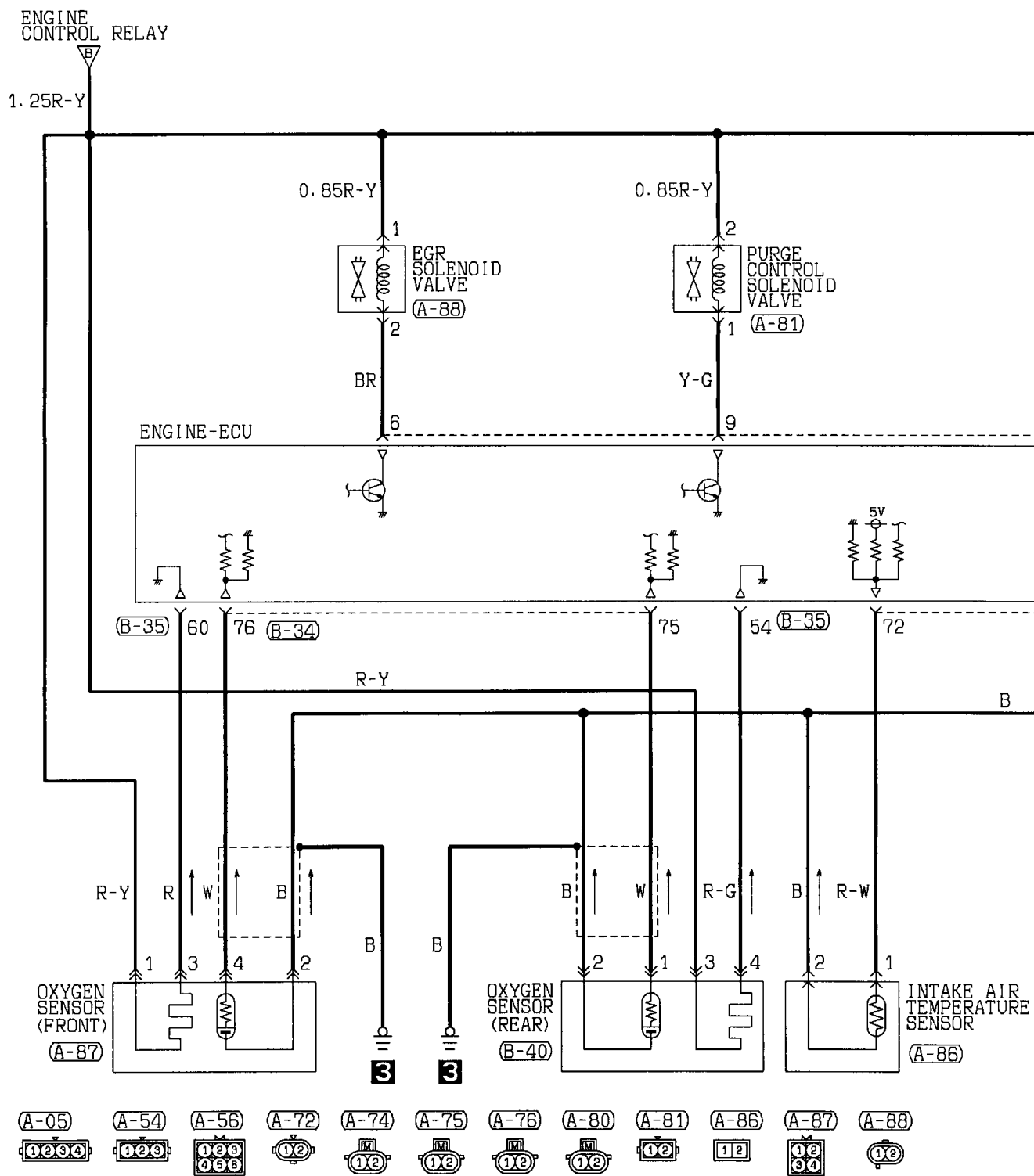
1	2	3	4
5	6	7	8

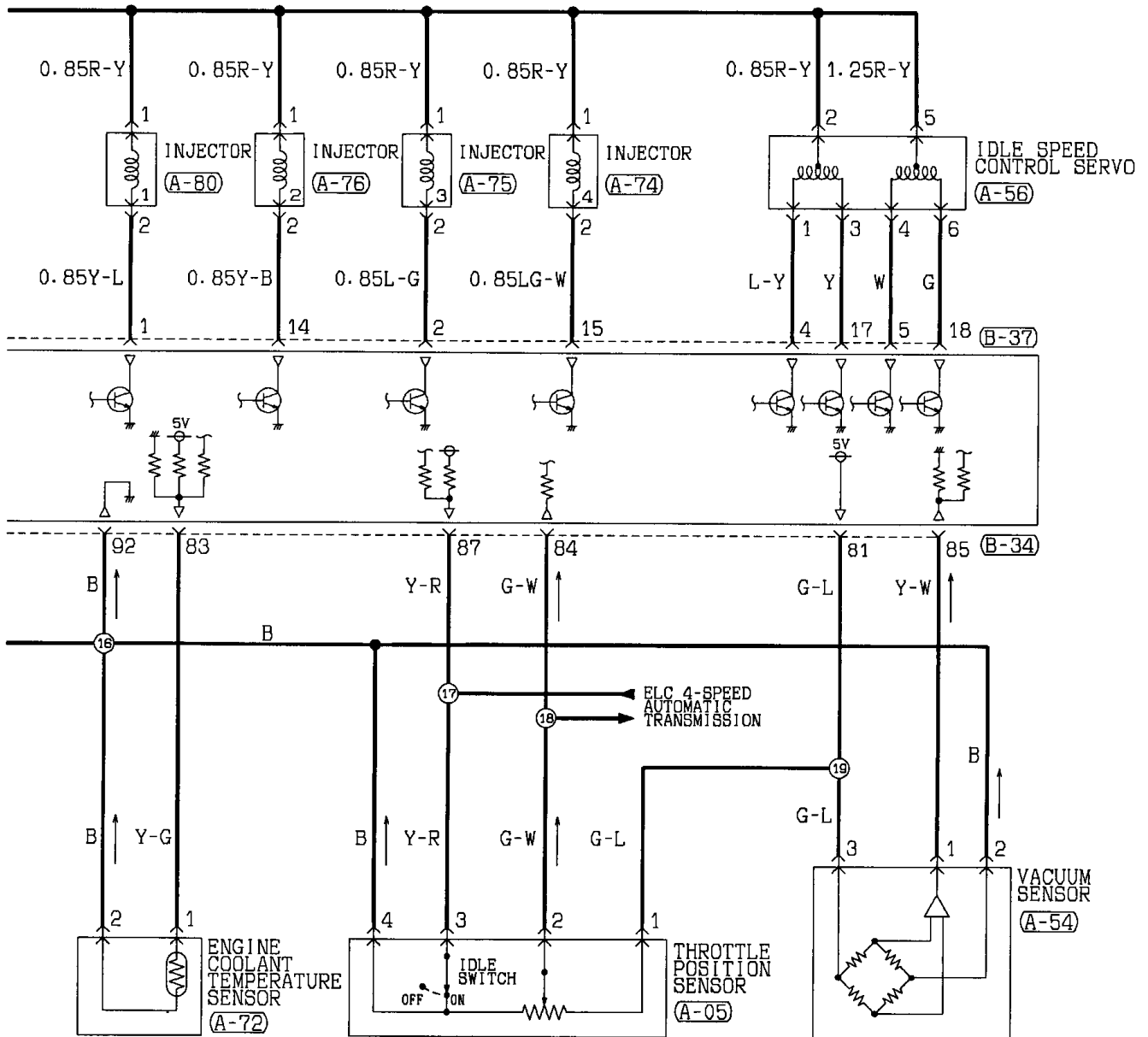
Wiring diagram for the 1990 Honda Civic 1.6i 16V engine. The diagram shows the electrical connections between the Ignition Switch (IG1), Ignition Coil, Distributor Assembly (A-68), Power Transistor, Crank Angle Sensor, Ignition Timing Adjustment Connector (A-57), Engine ECU, Engine Speed Detection Connector (A-90), and ELC 4-Speed Automatic Transmission. Key components include the Ignition Coil, Distributor, Spark Plug, and various sensors and connectors. The diagram is labeled with wire colors (e.g., 2B-W, 1.25R-Y, B-L, W, B, BR-G) and terminal numbers (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 52, 10, 89).



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

MPI SYSTEM <4G13 (L.H. drive vehicles)> (CONTINUED)





(B-34)

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

(B-35)

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

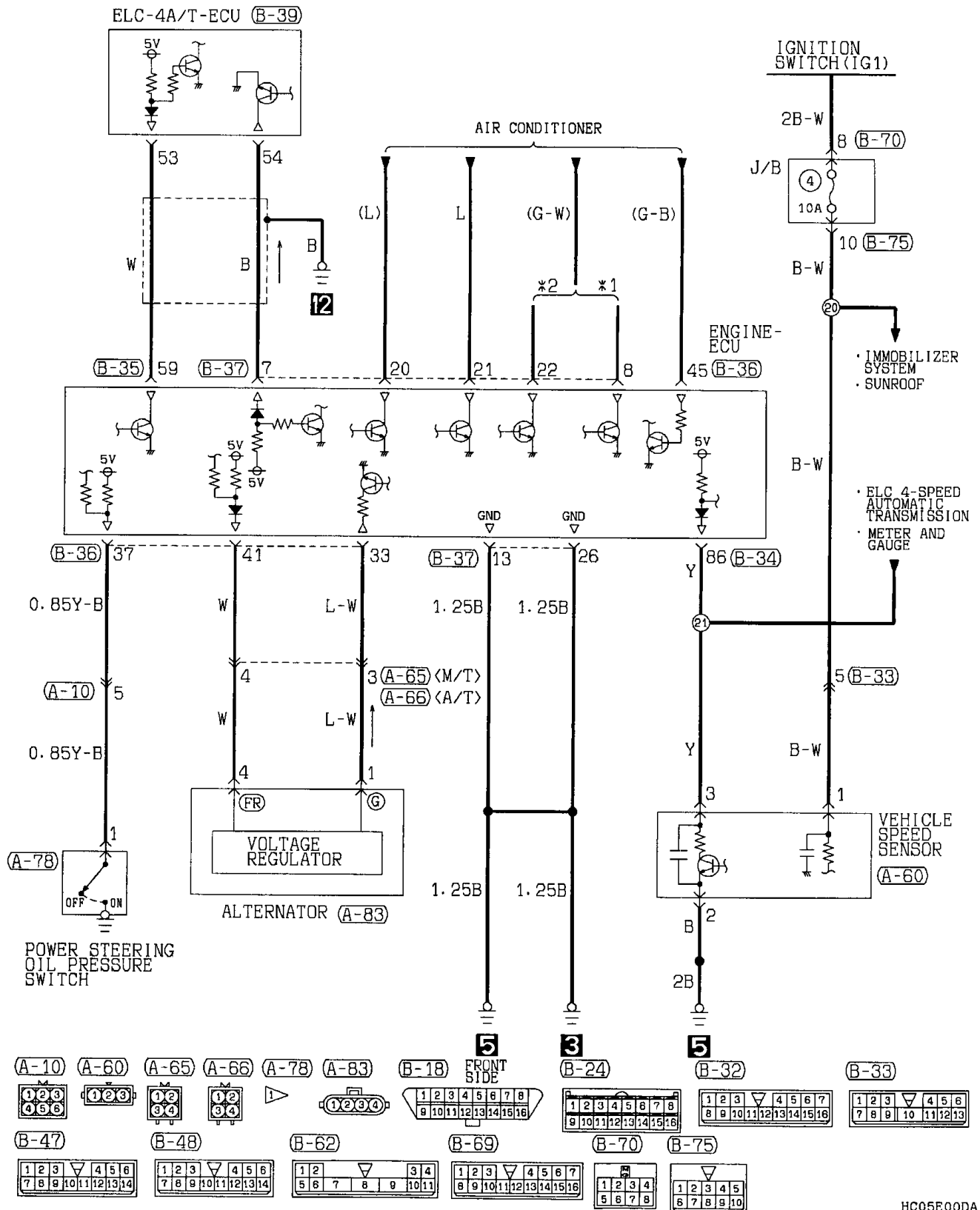
(B-37)

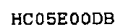
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-40)

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

MPI SYSTEM <4G13 (L.H. drive vehicles)> (CONTINUED)

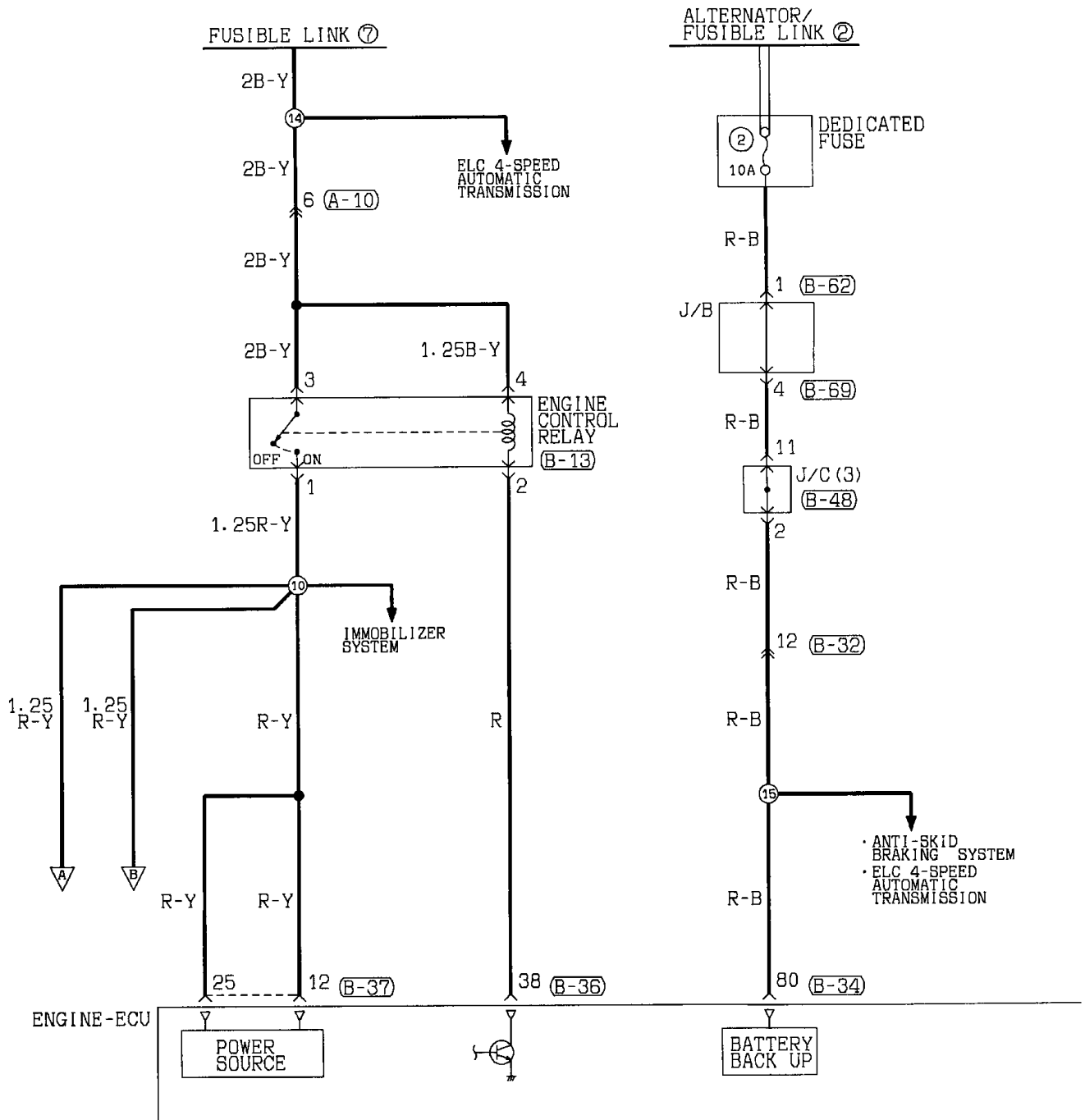




MPI SYSTEM

90100080427

4G13 <R.H. drive vehicles>



(A-10)

1	2	3
4	5	6

(A-59)

1

(B-02)

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

(B-12)

1	2
3	4

(B-13)

1	2
3	4

(B-32)

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

(B-33)

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

(B-34)

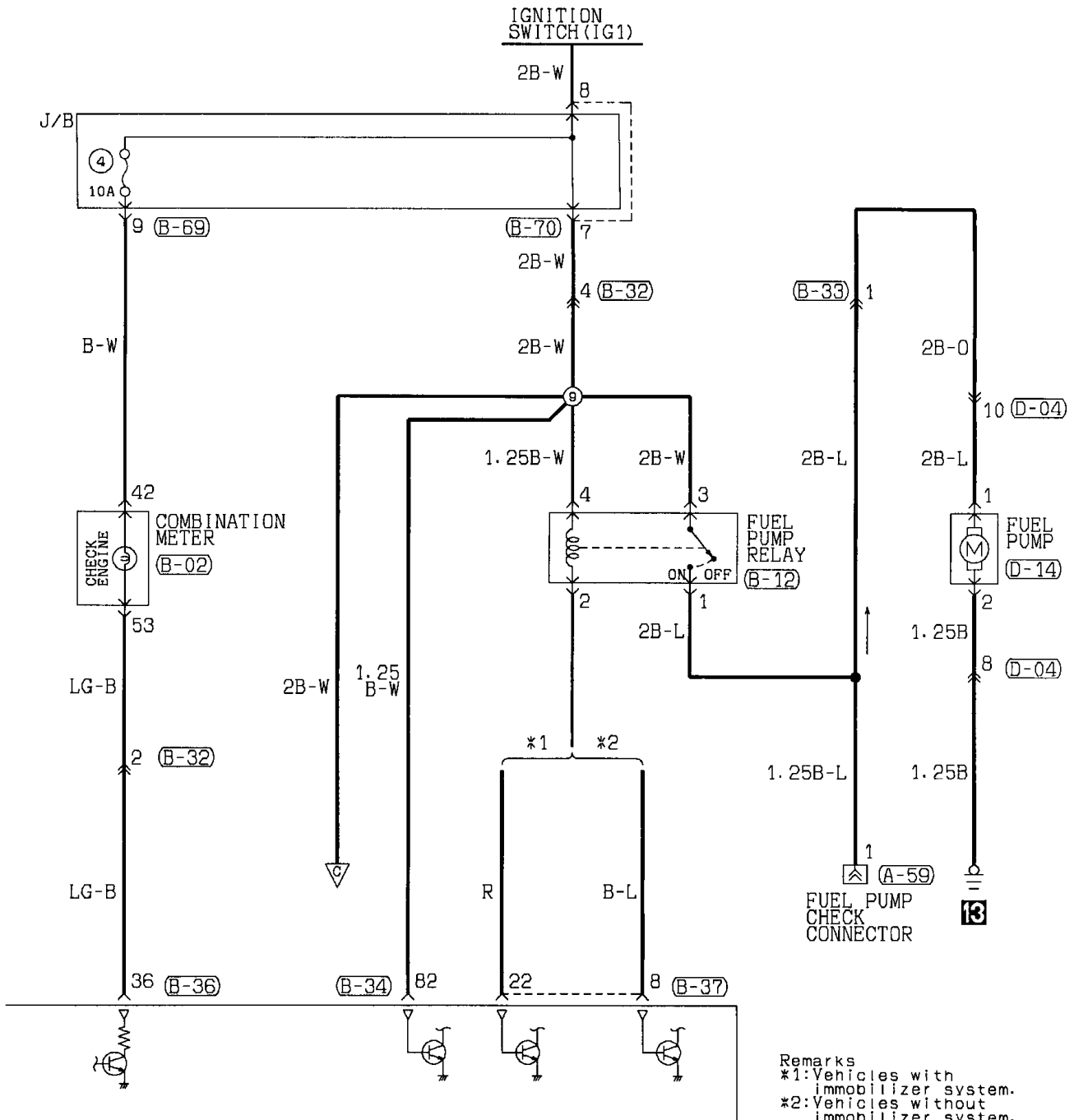
71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

(D-04)

1	2	3	4
5	6	7	8
9	10		

(D-14)

1	2
---	---



(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

(B-69)

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

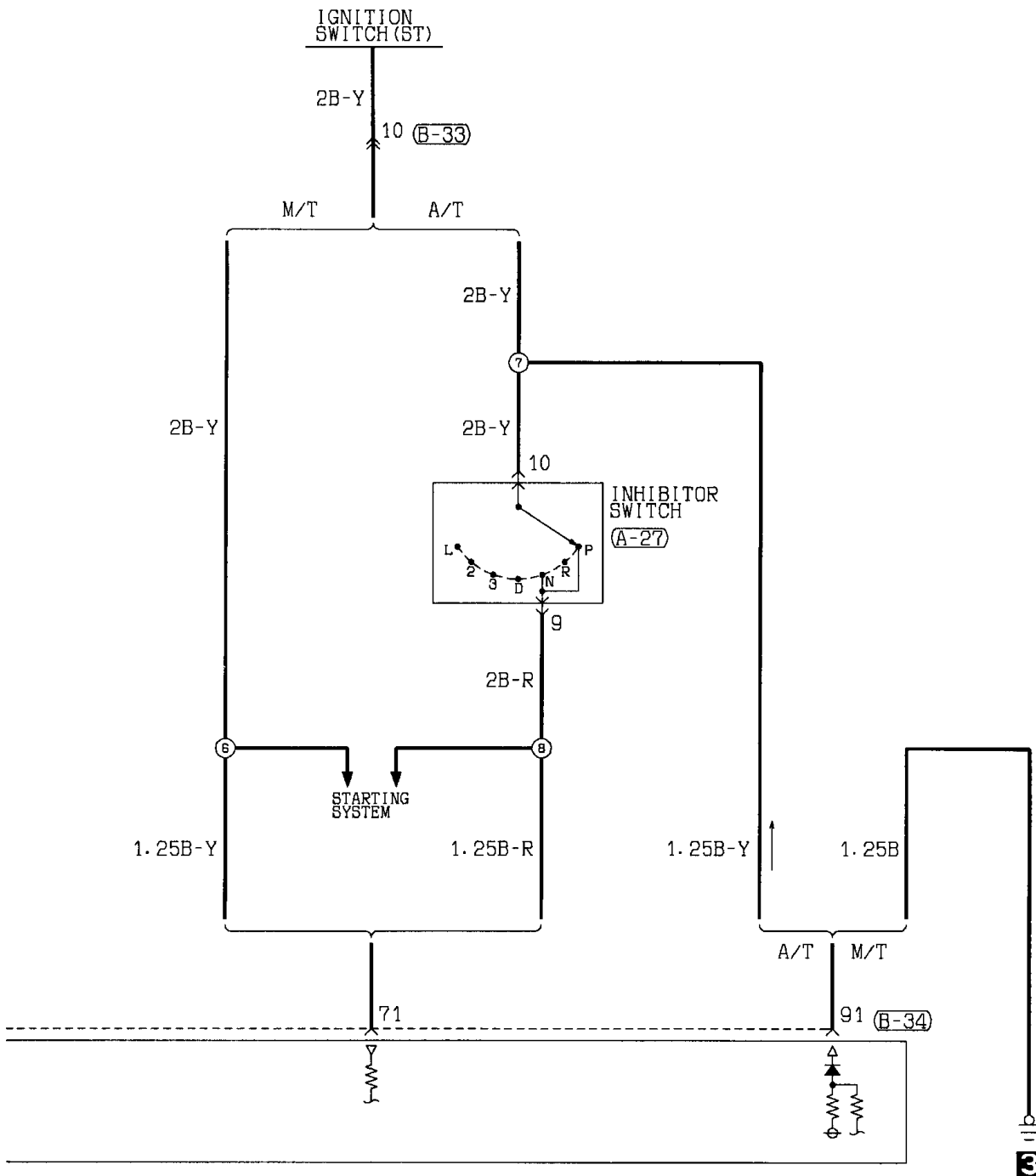
(B-70)

1	2	3	4
5	6	7	8

Wiring diagram for the engine control system of a 1987 Honda Civic EX. The diagram shows the connection between the Ignition Switch (IG1), Ignition Coil, Distributor Assembly (A-68), Engine Control Relay, Crank Angle Sensor, Ignition Timing Adjustment Connector (A-57), Power Transistor, Meter and Gauge, Engine Speed Detection Connector (A-90), ELC 4-Speed Automatic Transmission, and the Engine-ECU. The diagram includes various wire colors and terminal numbers, and a legend at the bottom identifies the components and their pin connections.

Legend:

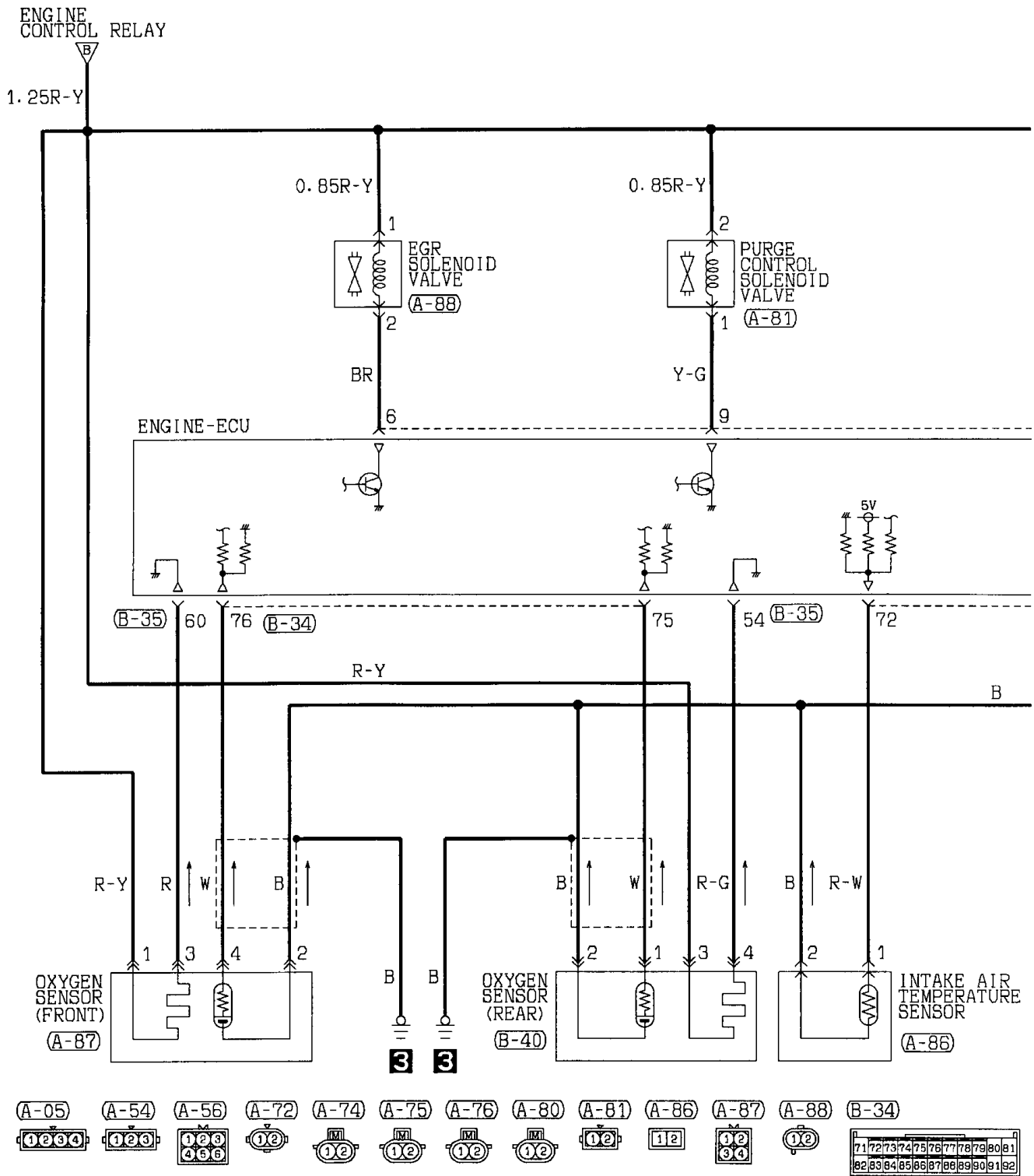
- (A-27) 1 2 3 4 5 6 7 8 9 10
- (A-57) 1
- (A-68) 1 2 3 4 5 6 7
- (A-90) 1
- (B-33) 1 2 3 4 5 6 7 8 9 10 11 12 13
- (B-34) 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92
- (B-35) 51 52 53 54 55 56 57 58 59 60 61 62

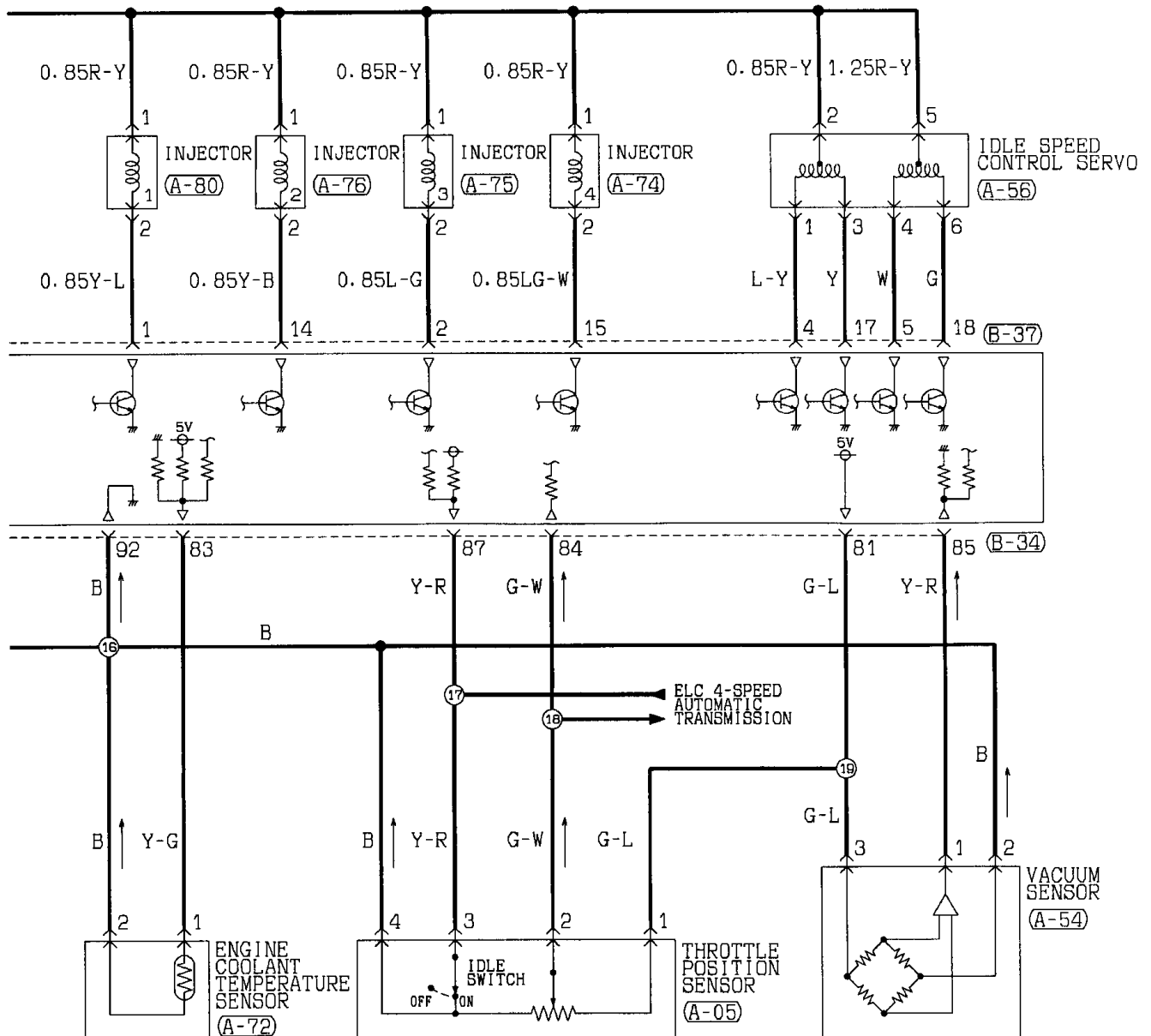


(B-37)

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

MPI SYSTEM <4G13 (R.H. drive vehicles)> (CONTINUED)





(B-35)

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

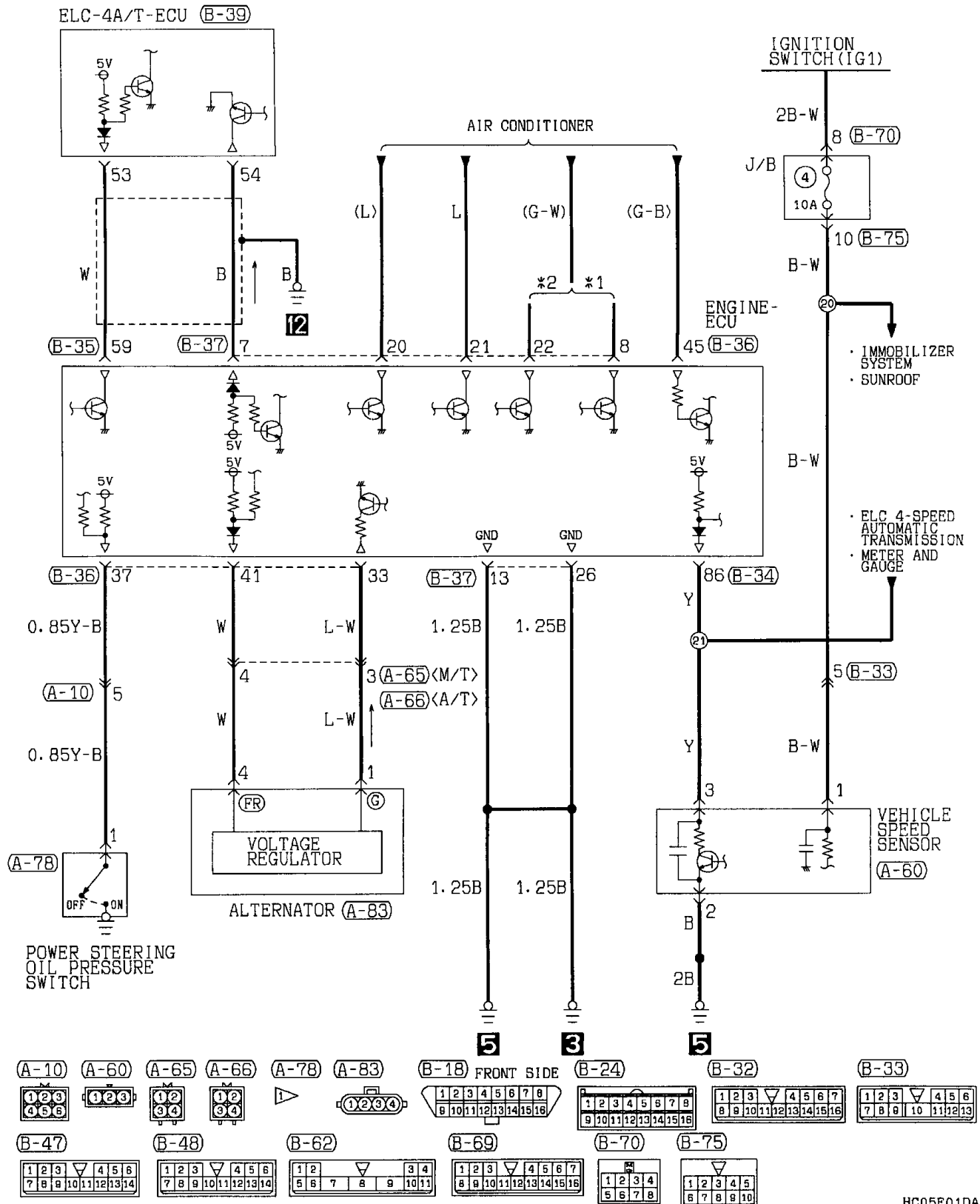
(B-37)

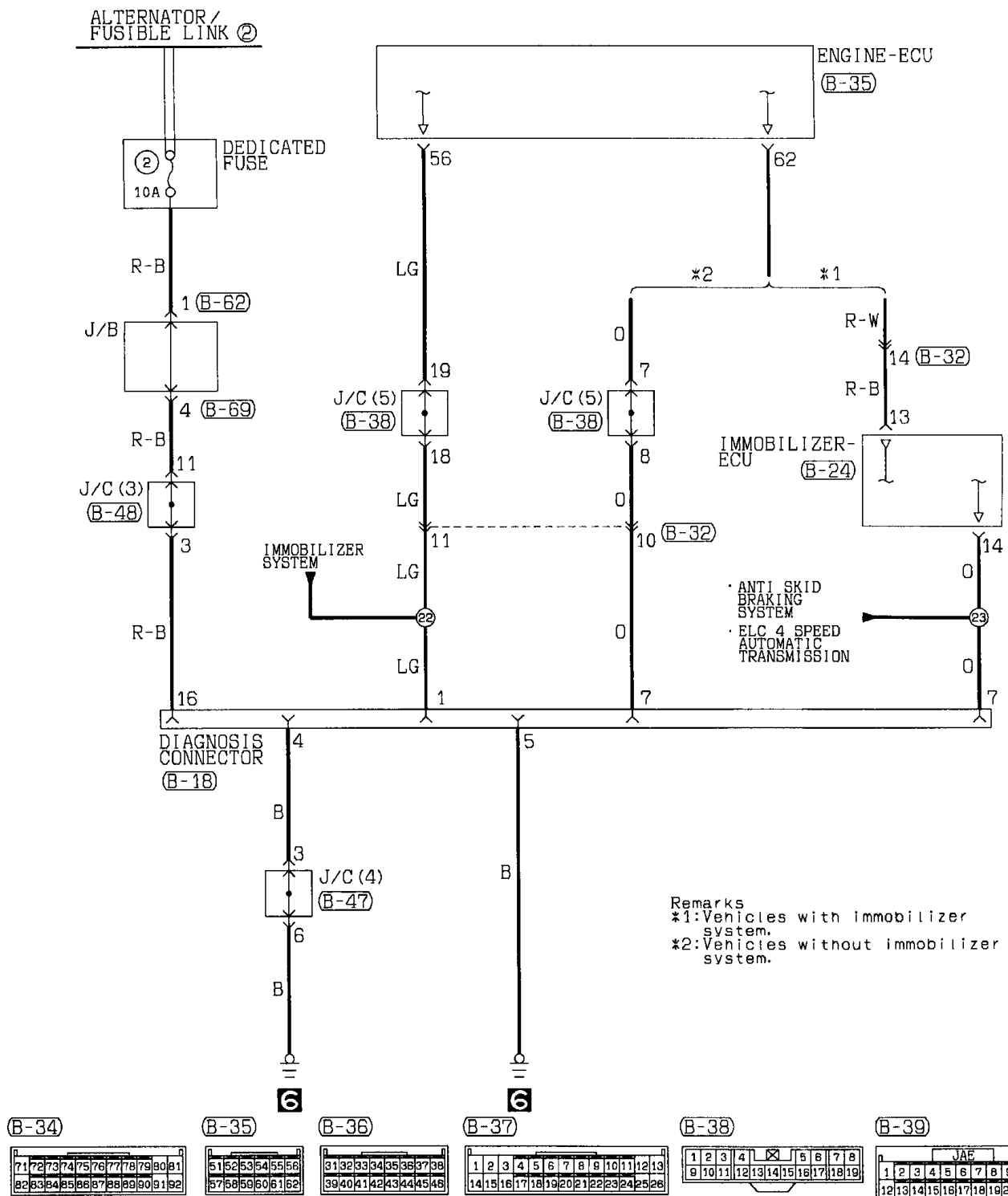
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

(B-40)

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

MPI SYSTEM <4G13 (R.H. drive vehicles)> (CONTINUED)

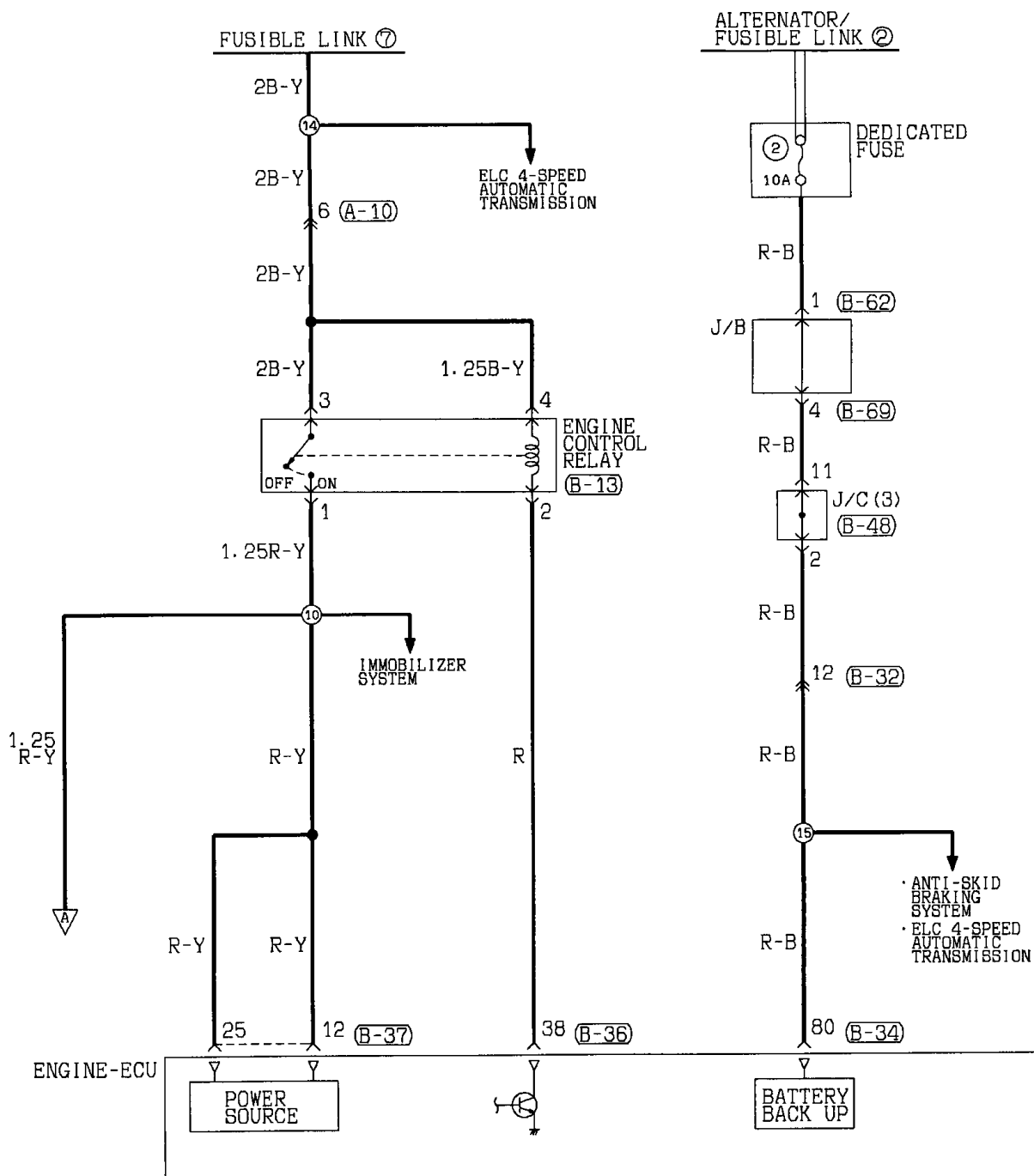




MPI SYSTEM

90100080434

4G92 <L.H. drive vehicles>



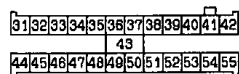
(A-10)



(A-59)



(B-02)



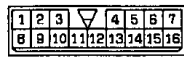
(B-12)



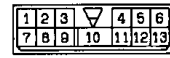
(B-13)



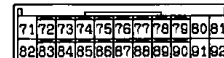
(B-32)



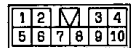
(B-33)



(B-34)

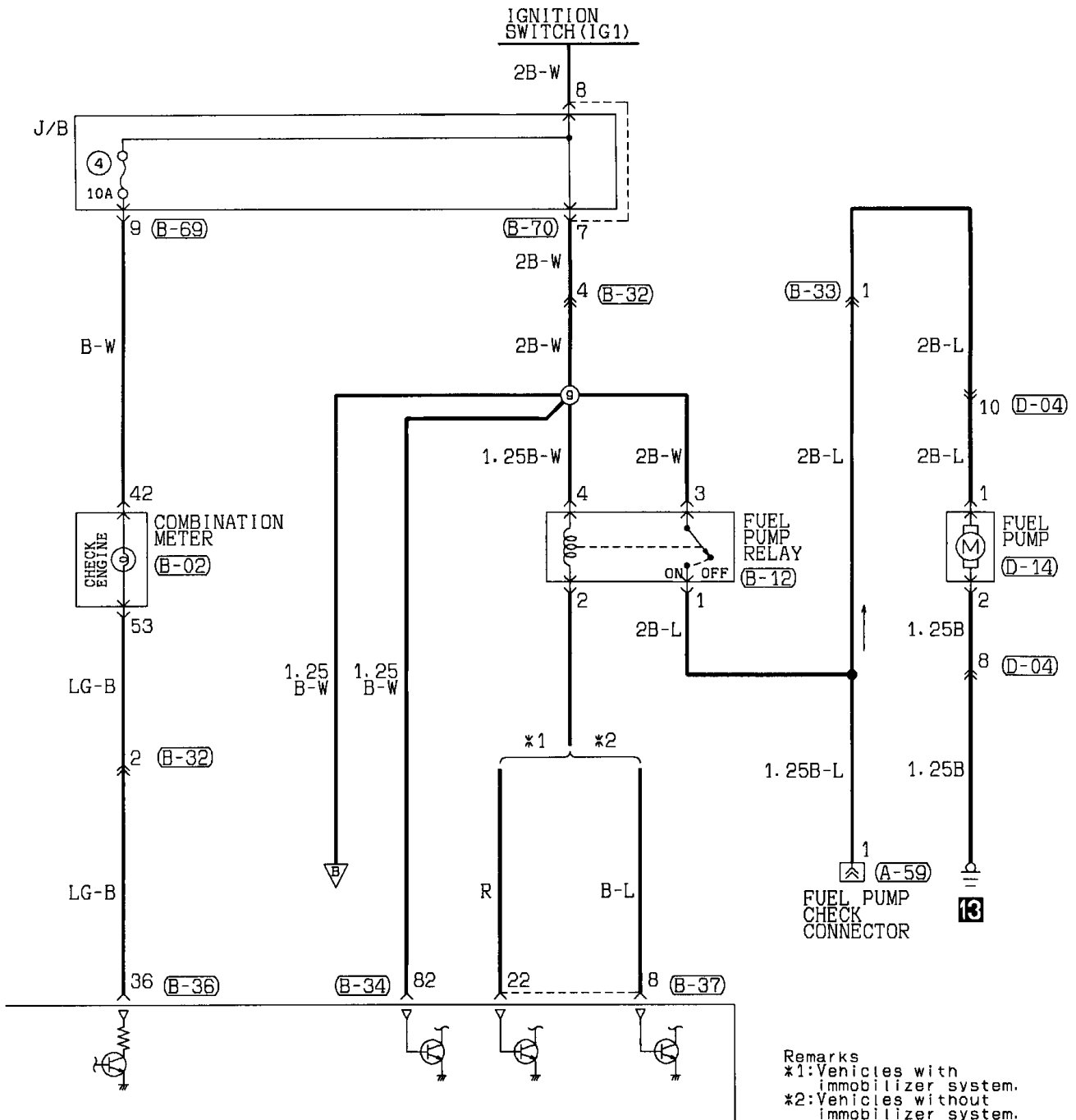


(D-04)



(D-14)





(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

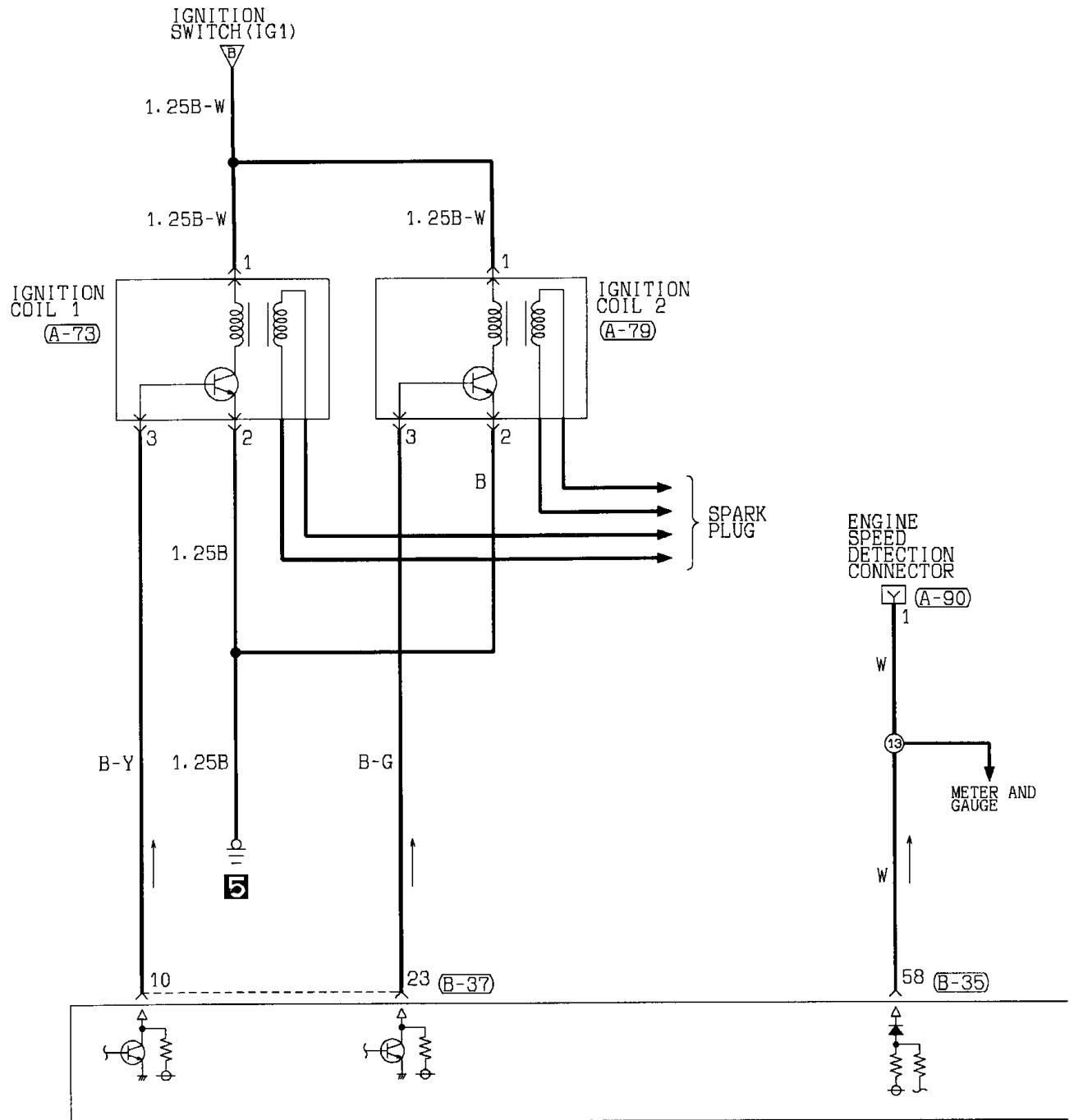
(B-69)

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

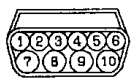
(B-70)

1	2	3	4
5	6	7	8

MPI SYSTEM <4G92 (L.H. drive vehicles)> (CONTINUED)



(A-27)



(A-73)



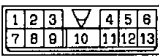
(A-79)



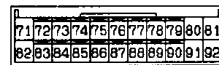
(A-90)



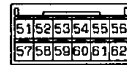
(B-33)



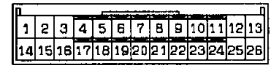
(B-34)

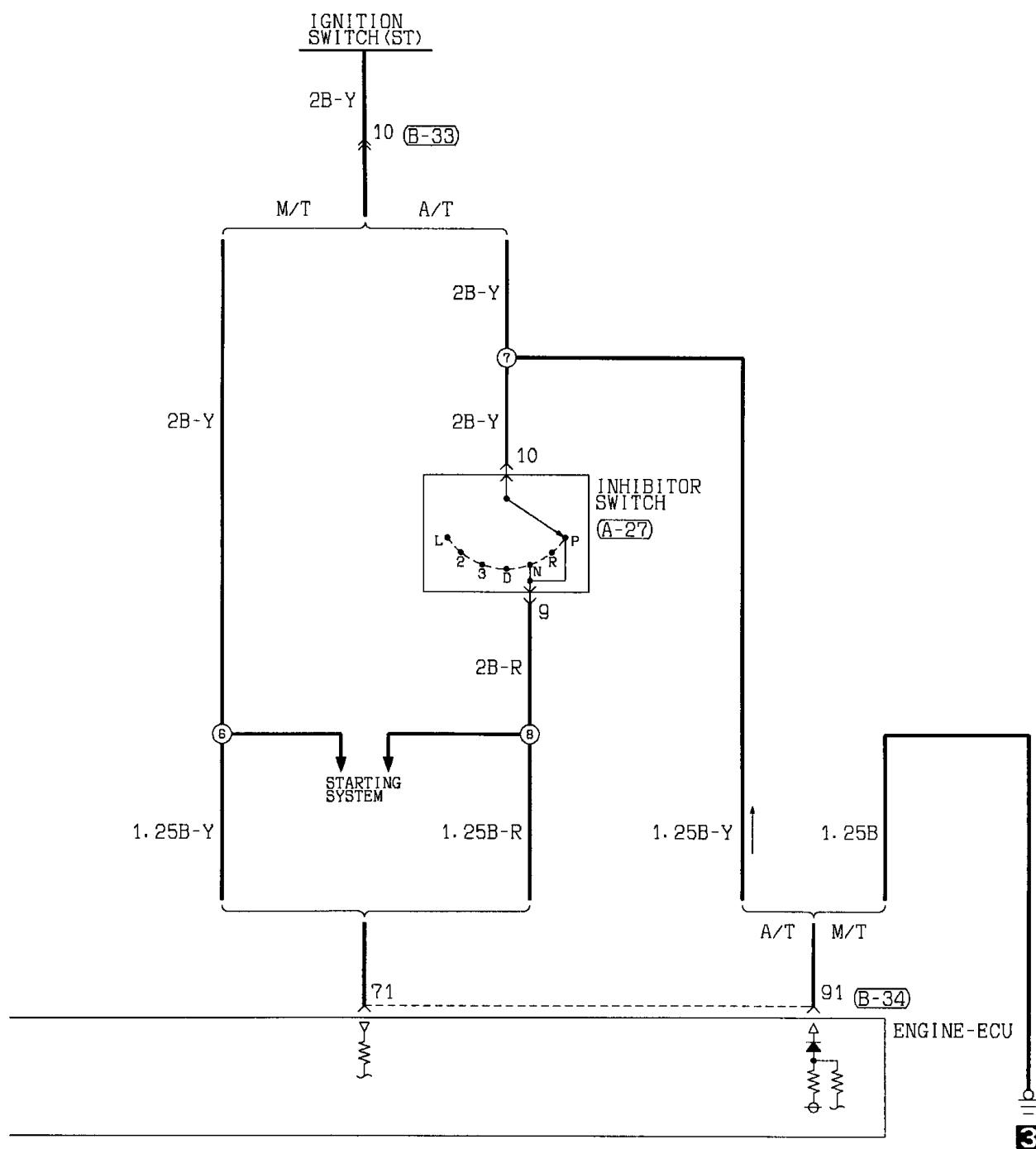


(B-35)

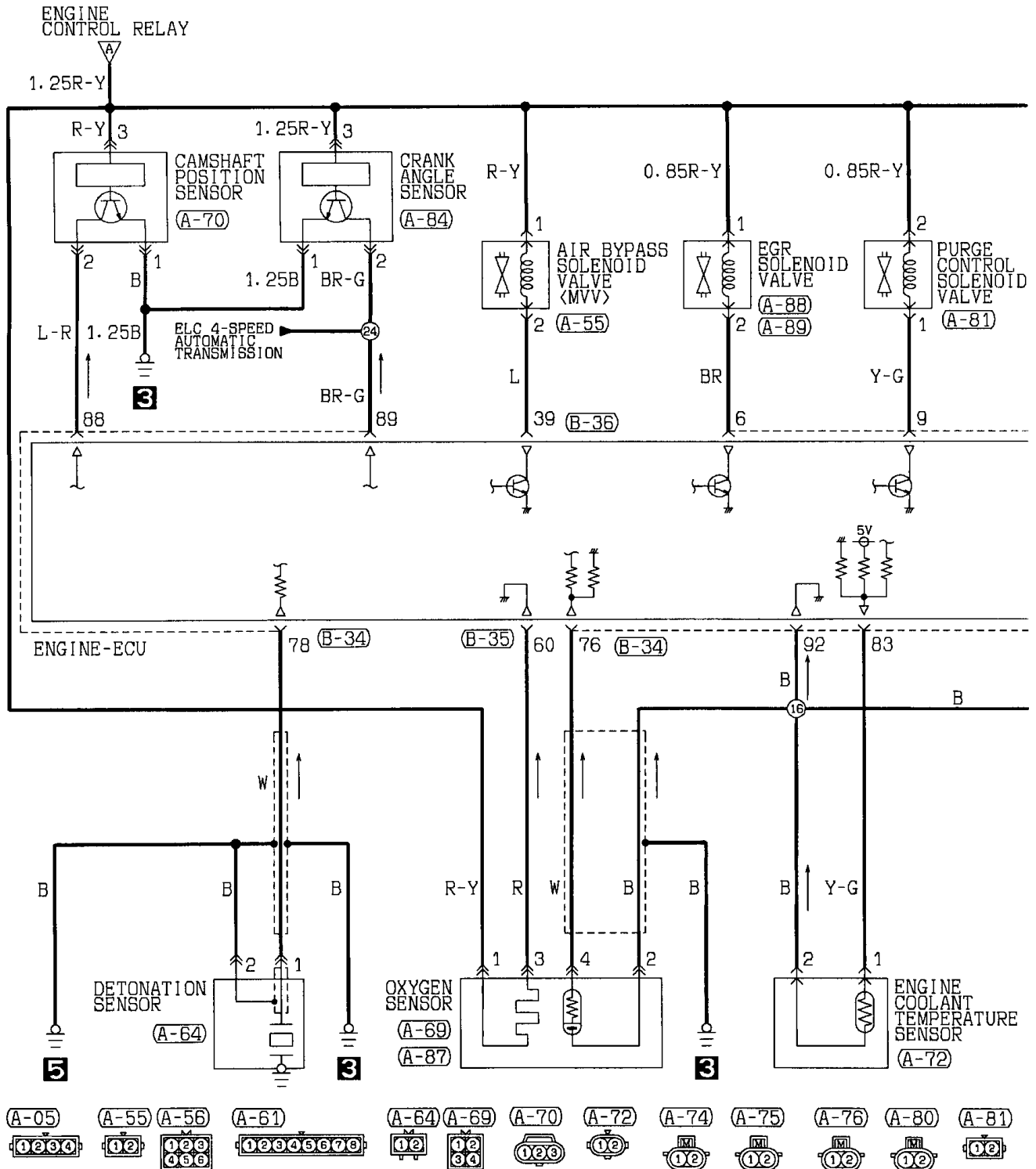


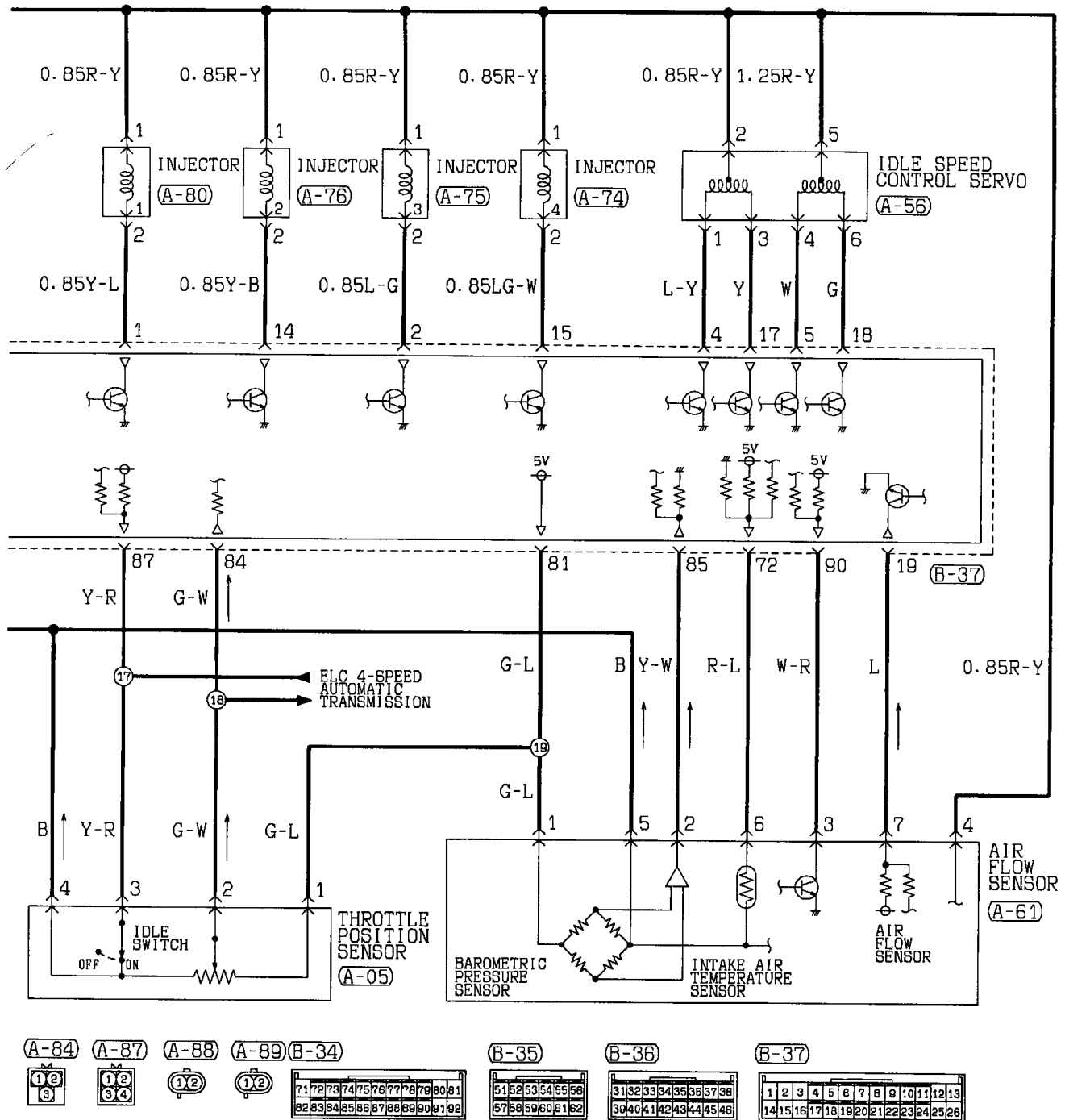
(B-37)



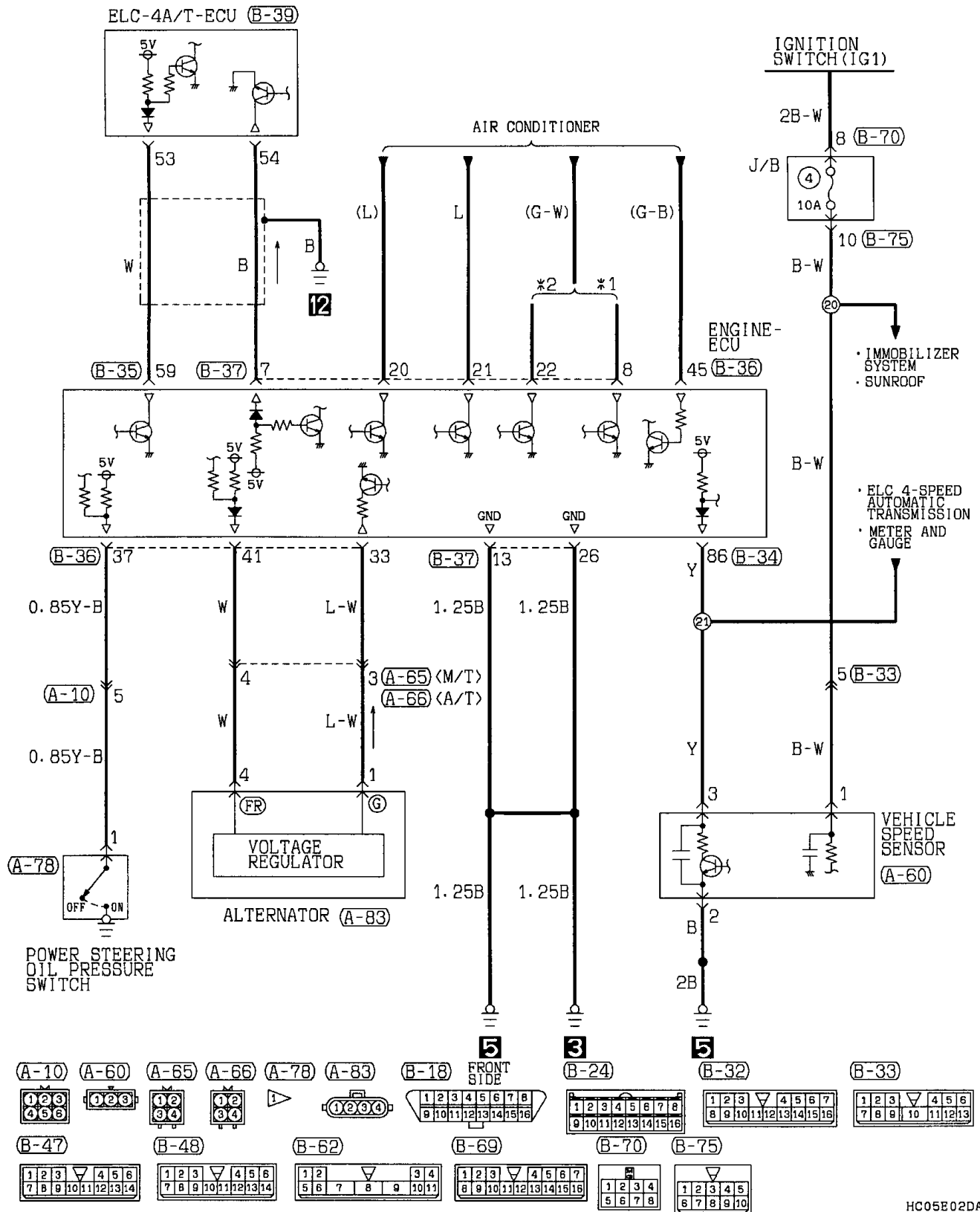


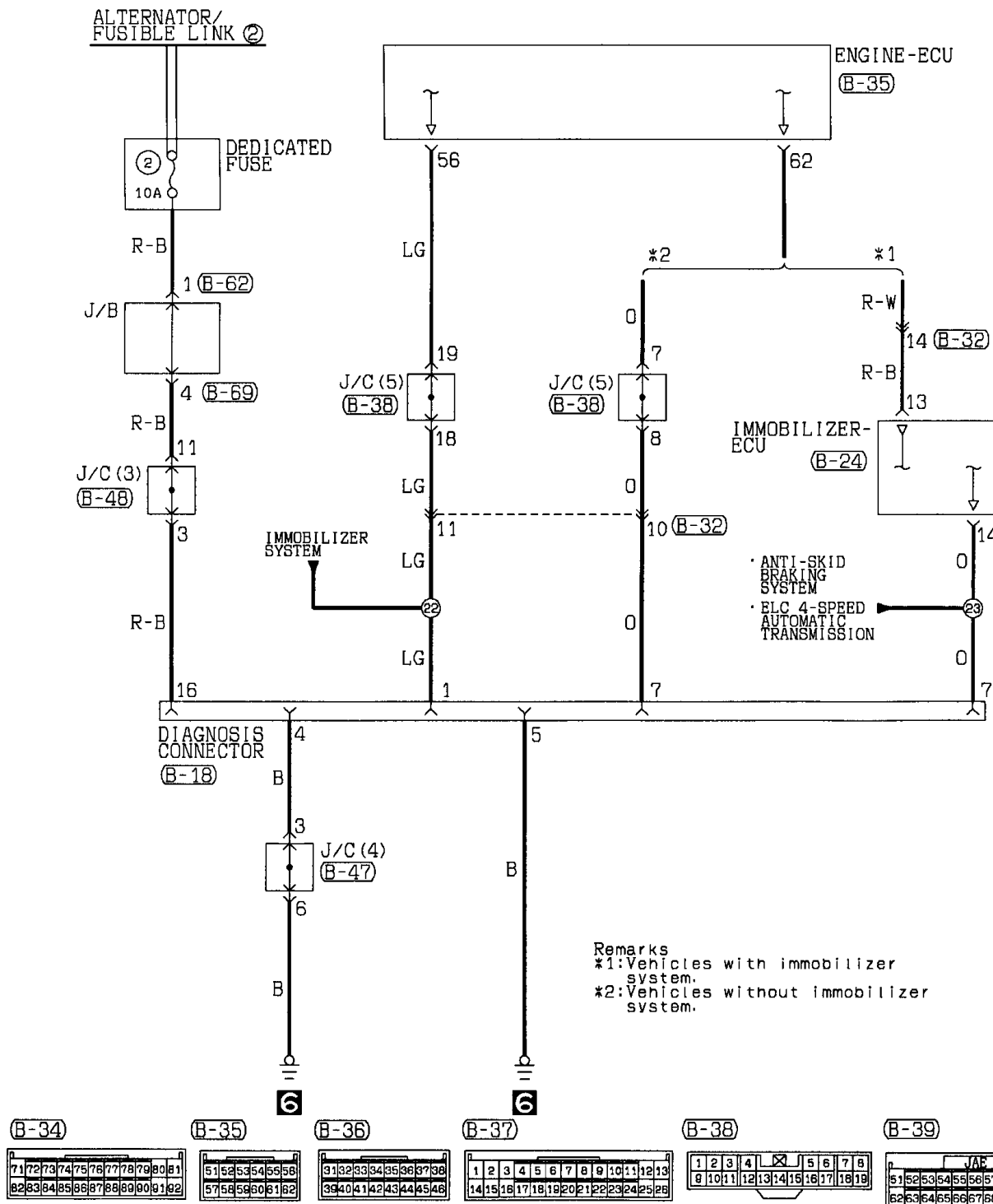
MPI SYSTEM <4G92 (L.H. drive vehicles)> (CONTINUED)





MPI SYSTEM <4G92 (L.H. drive vehicles)> (CONTINUED)

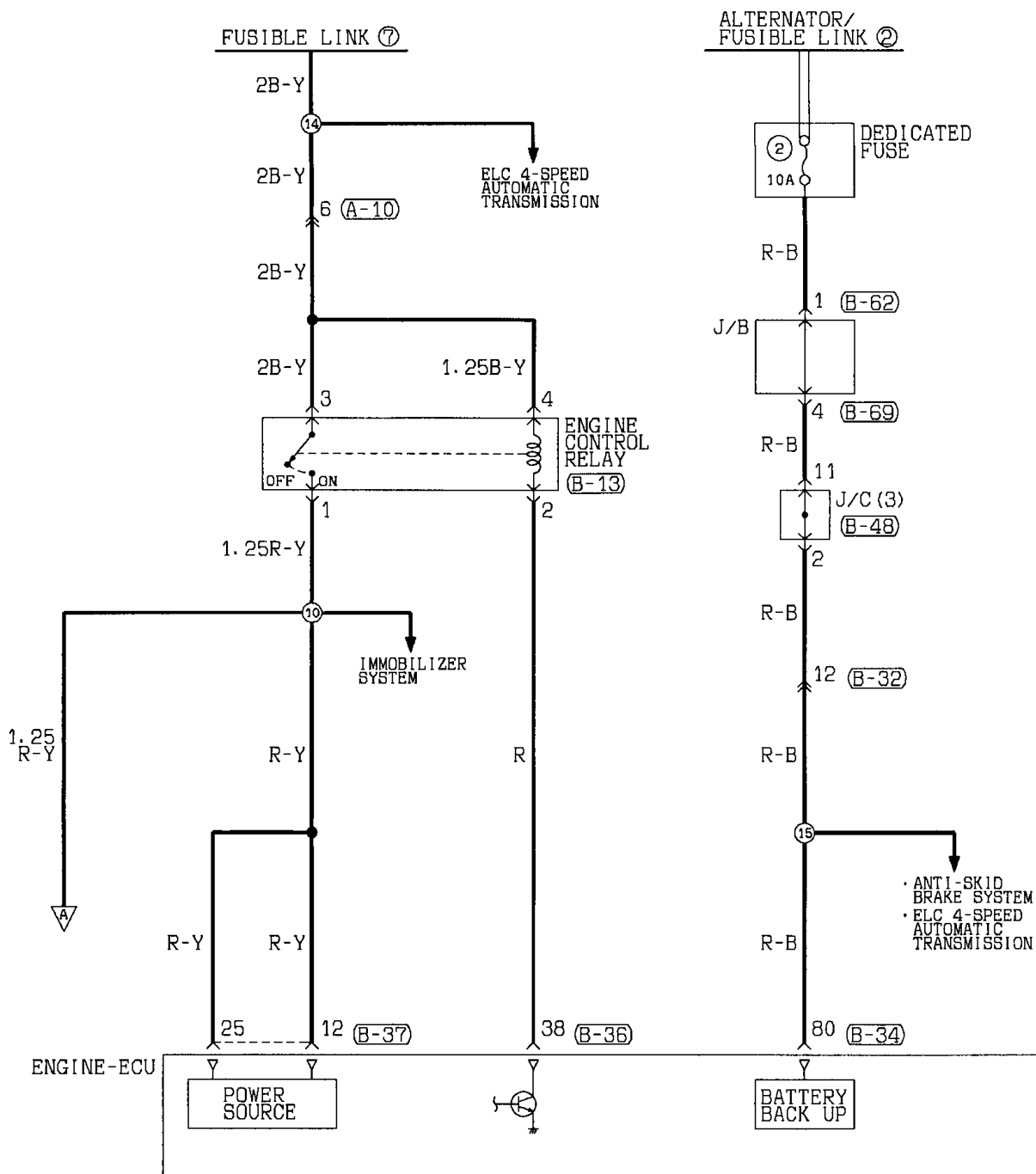




MPI SYSTEM

90100080441

4G92 <R.H. drive vehicles>



(A-10) (A-59) (B-02)



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

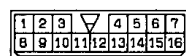
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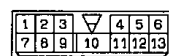
(B-13)



(B-32)



(B-33)

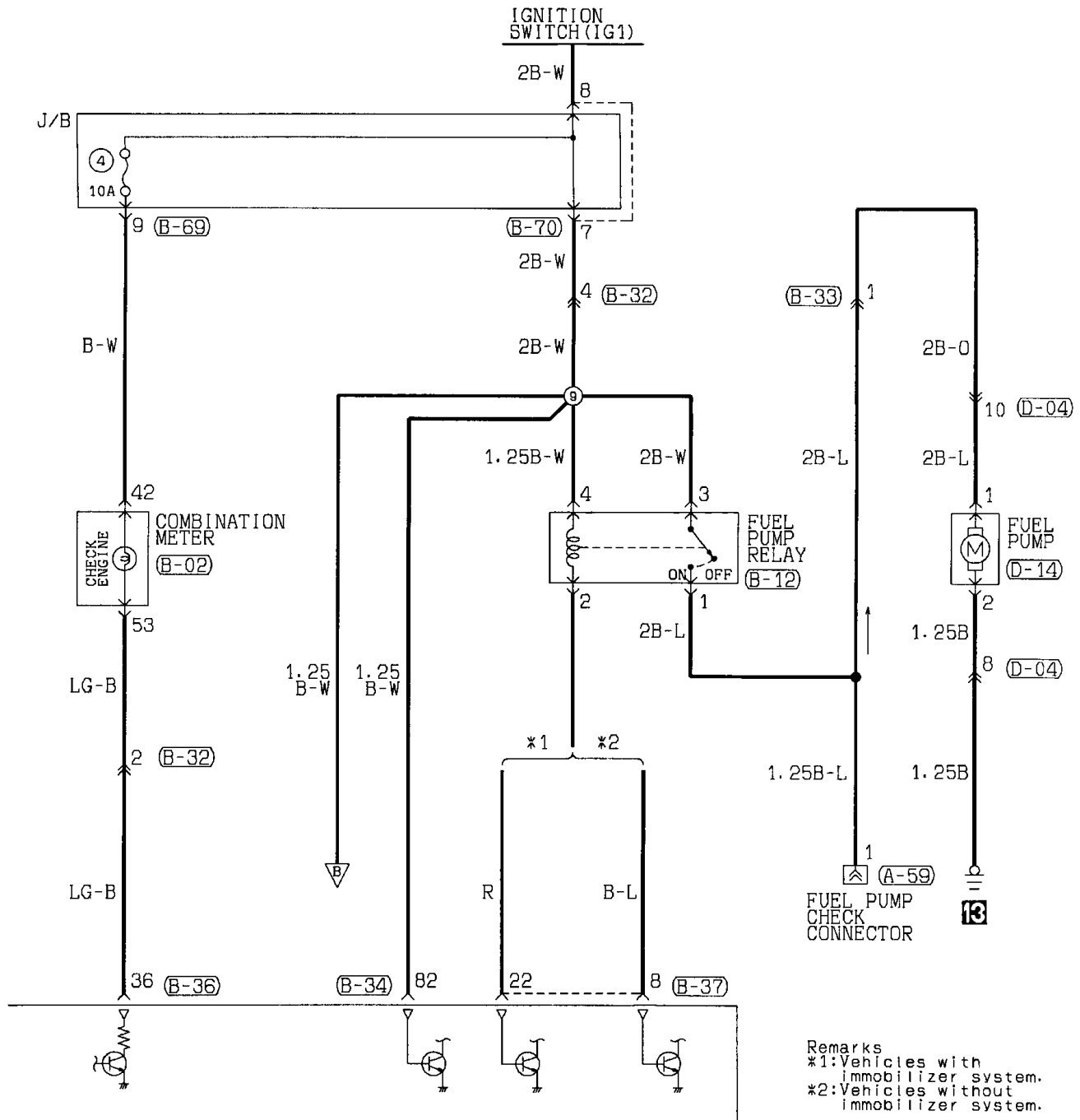


(B-34)

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

(D-14)





(B-36)

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

(B-37)

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-48)

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

(B-62)

1	2	3	4
5	6	7	8

(B-69)

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

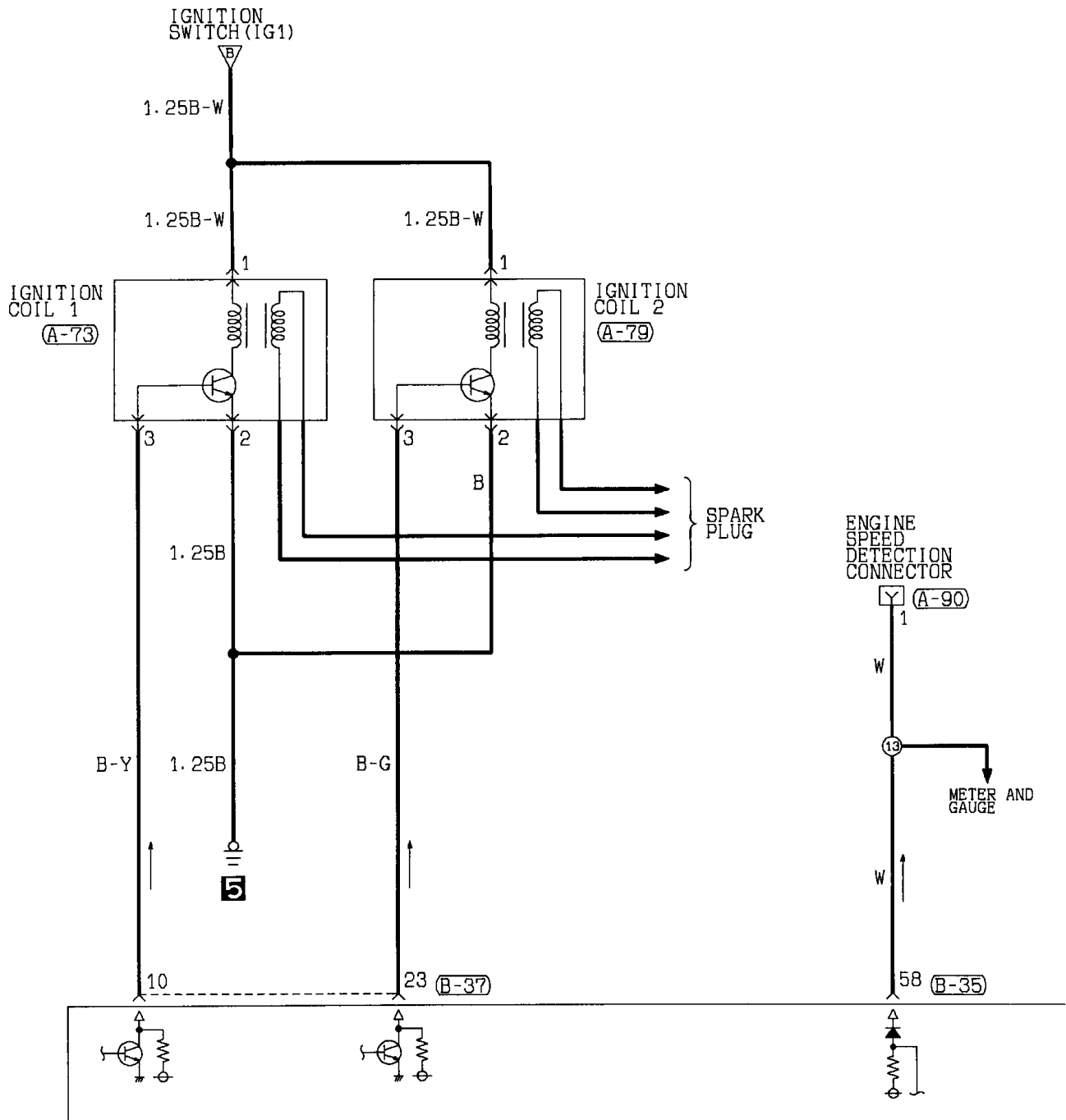
(B-70)

1	2	3	4
5	6	7	8

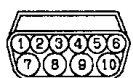
(D-04)

1	2	3	4
5	6	7	8

MPI SYSTEM <4G92 (R.H. drive vehicles)> (CONTINUED)



(A-27)



(A-73)



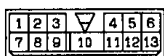
(A-79)



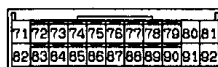
(A-90)



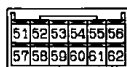
(B-33)



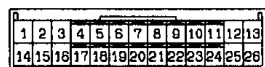
(B-34)

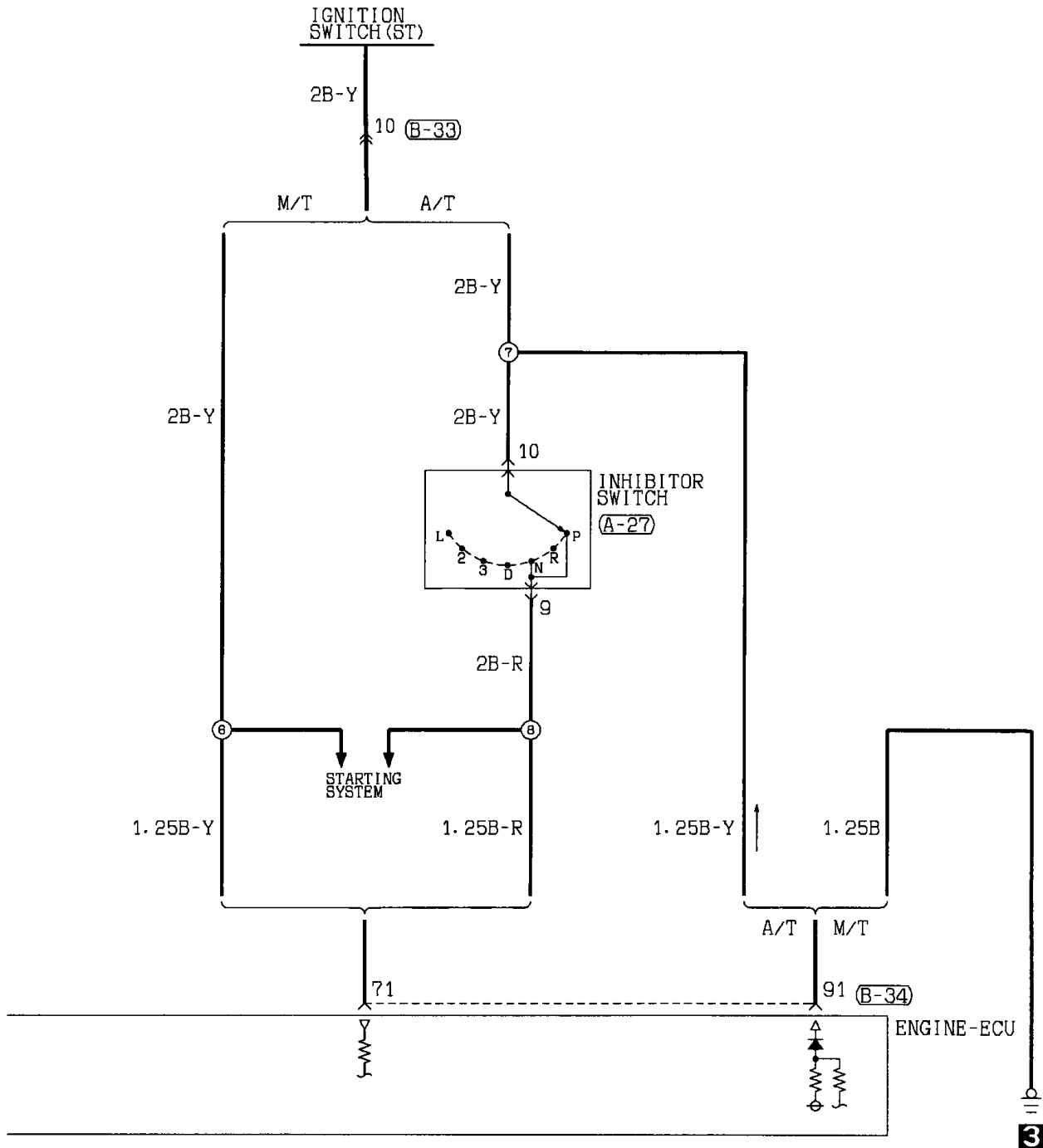


(B-35)

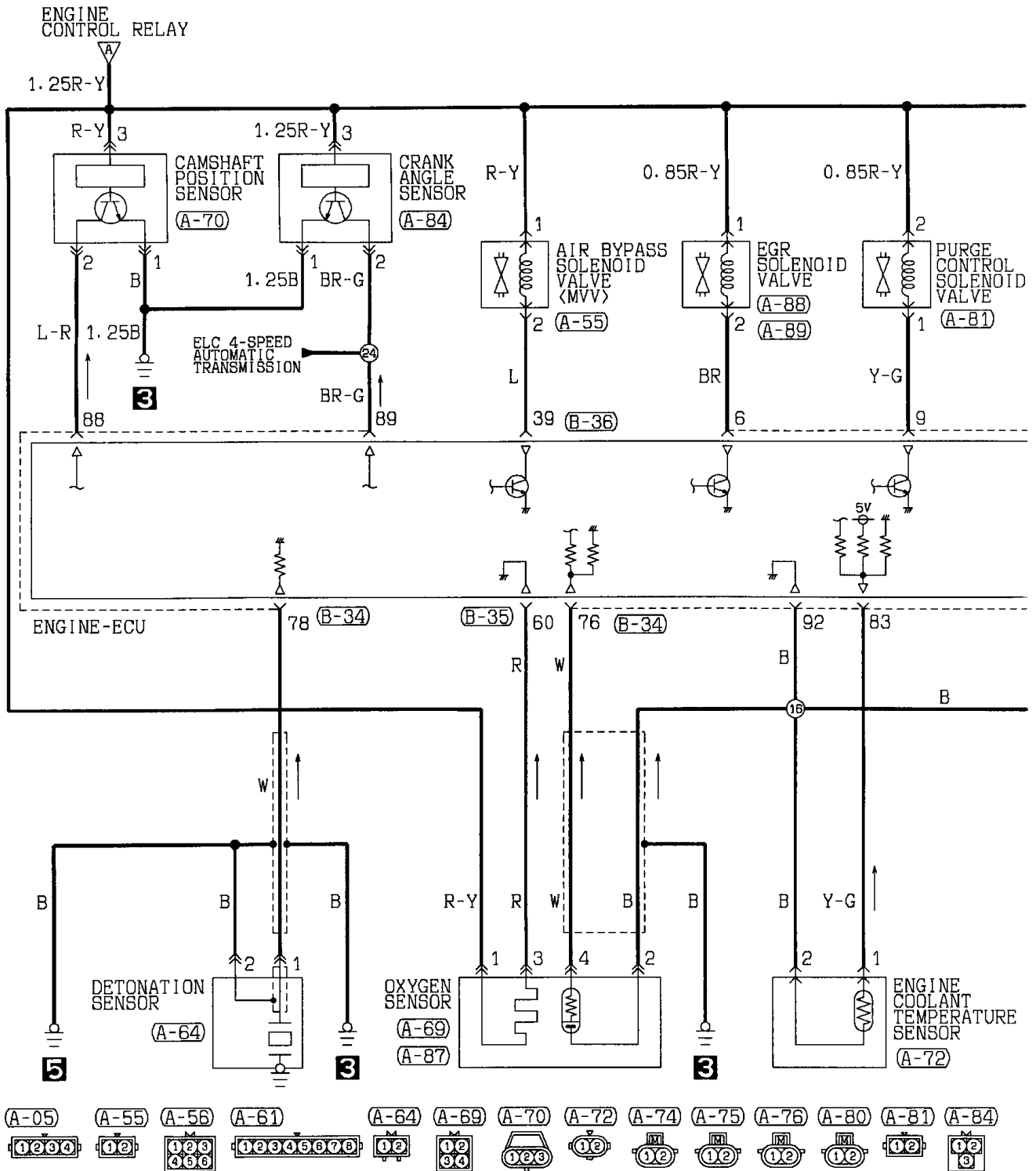


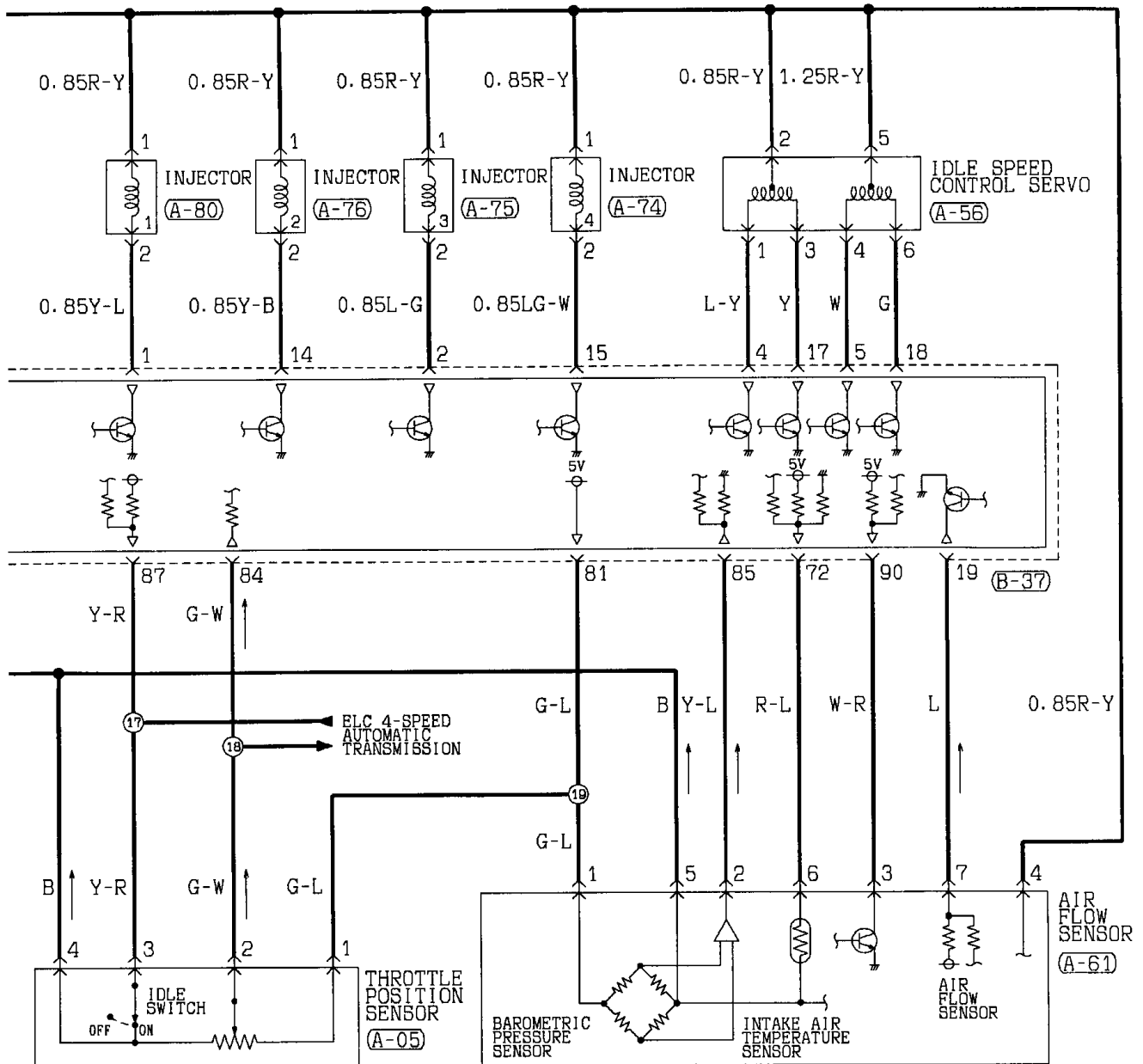
(B-37)



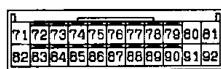


MPI SYSTEM <4G92 (R.H. drive vehicles)> (CONTINUED)

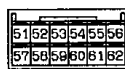




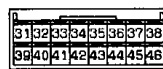
(A-87) (A-88) (A-89) (B-34)



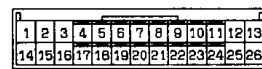
(B-35)

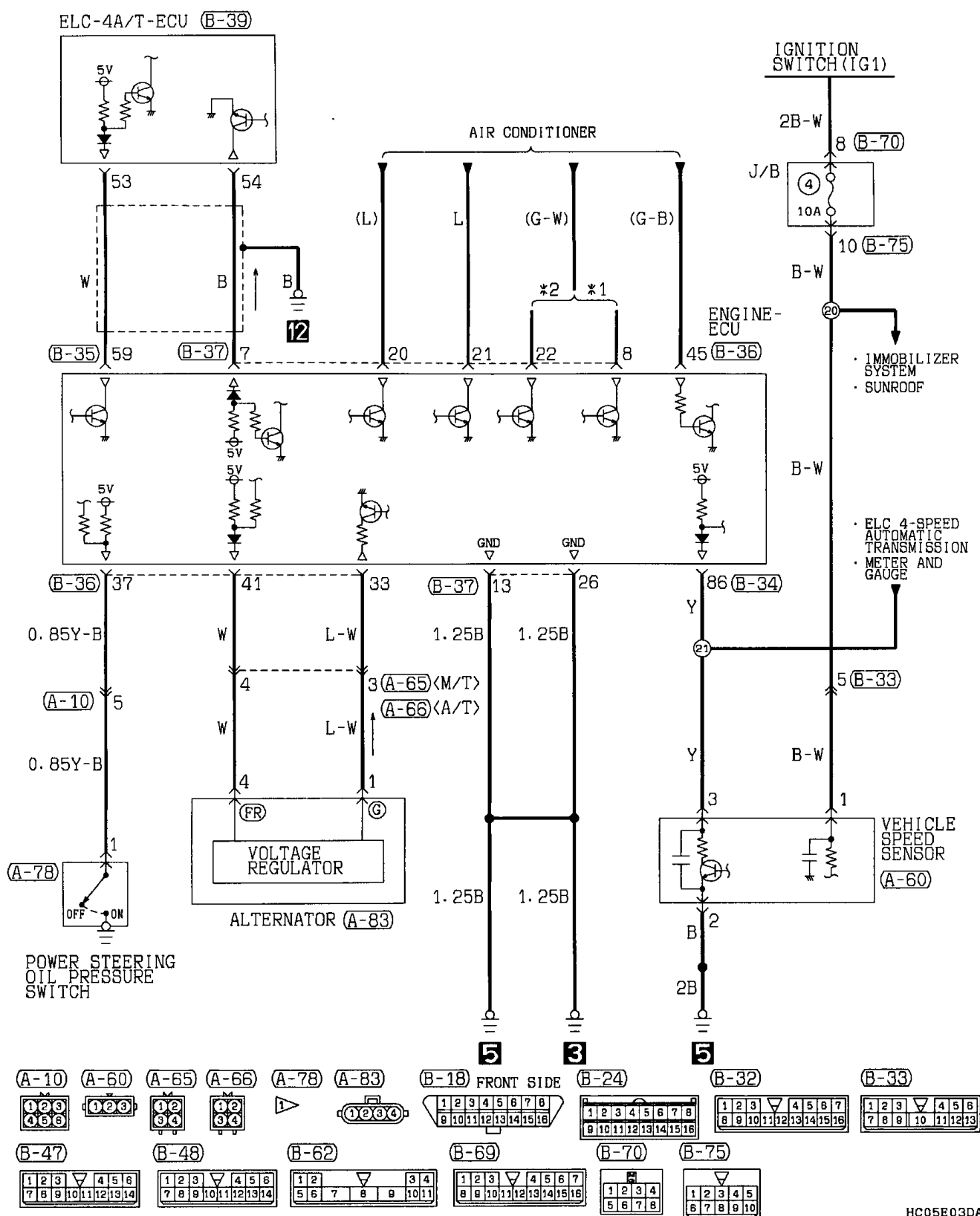


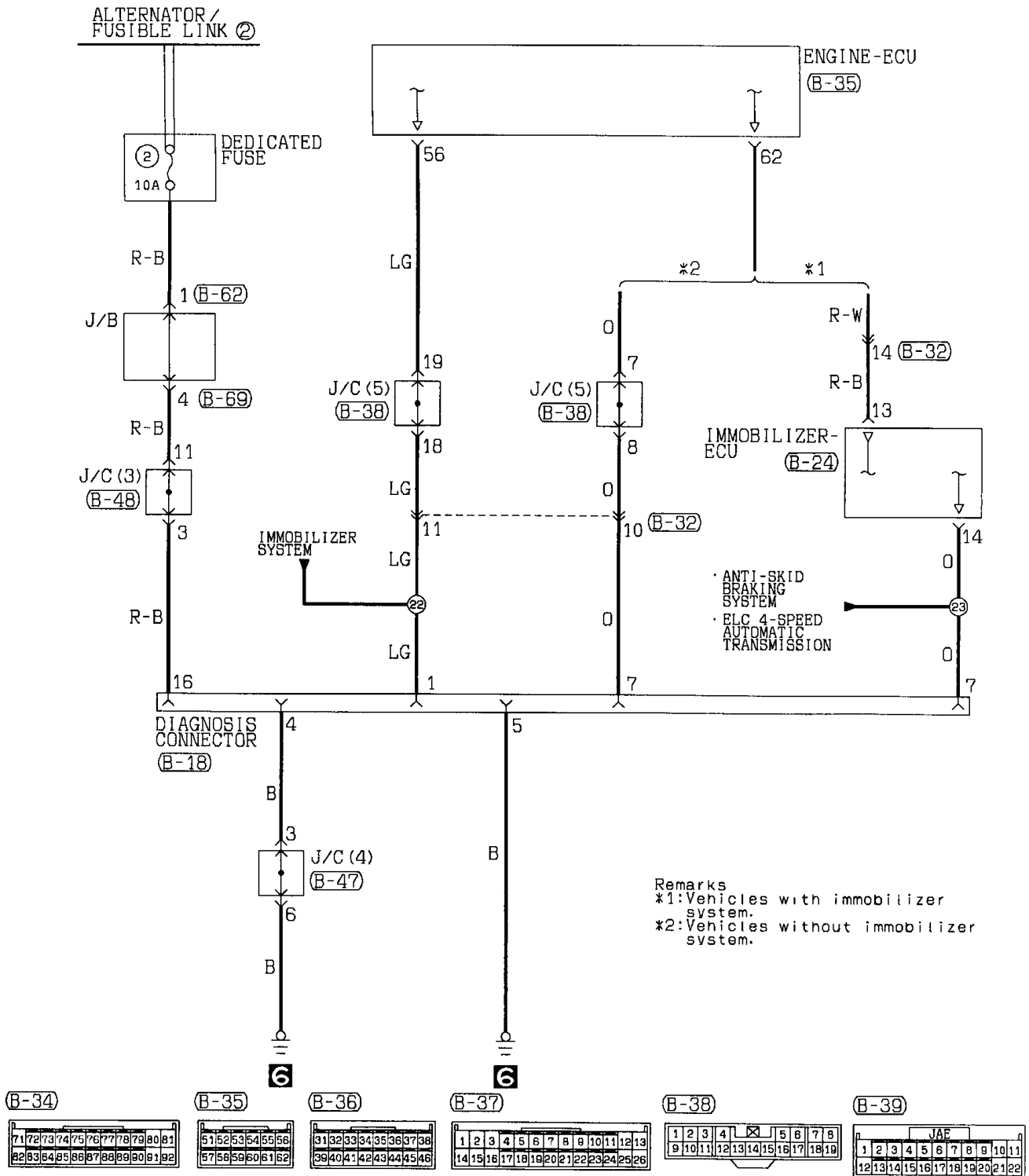
(B-36)



(B-37)

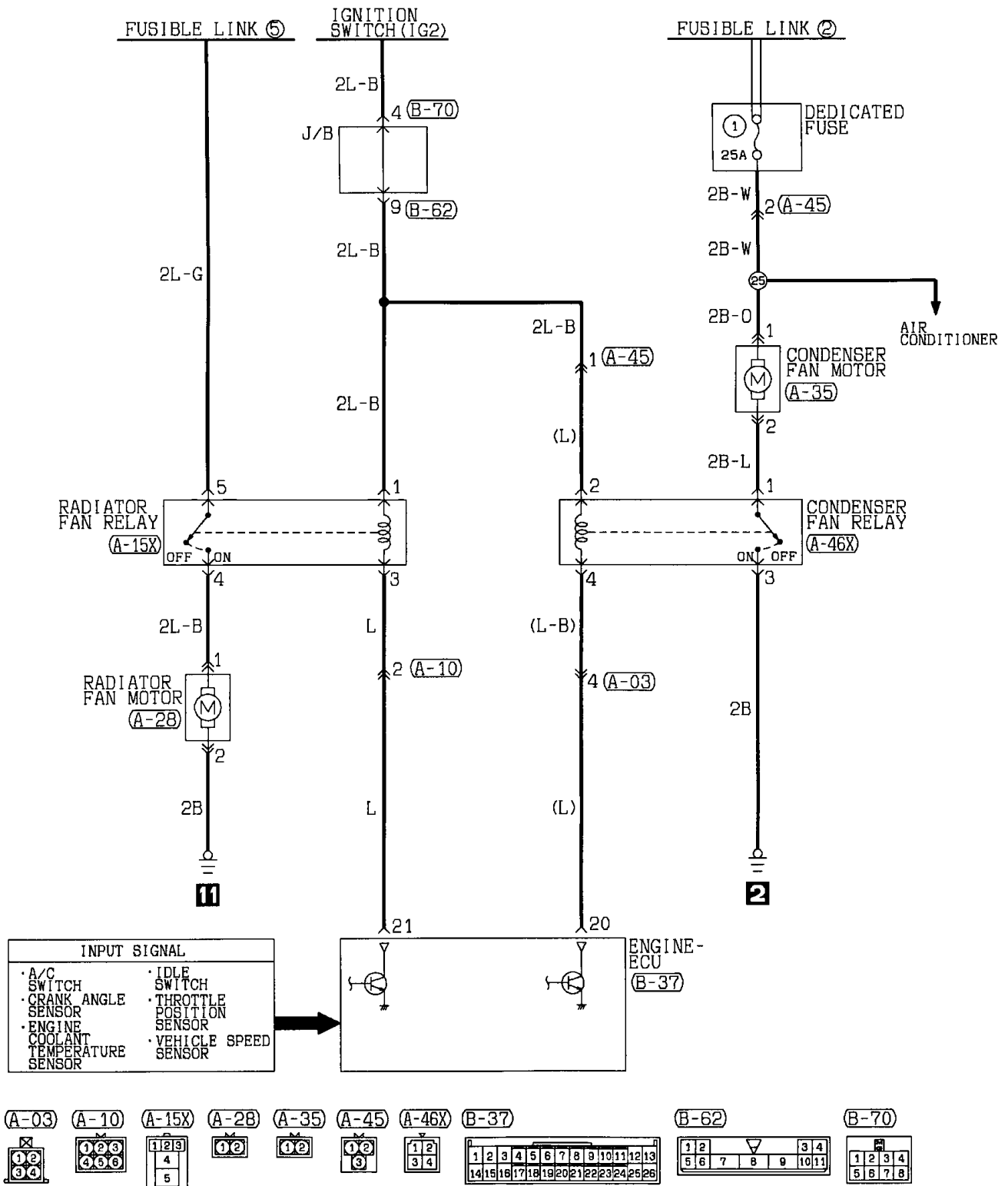


MPI SYSTEM <4G92 (R.H. drive vehicles)> (CONTINUED)



COOLING SYSTEM

90100100246

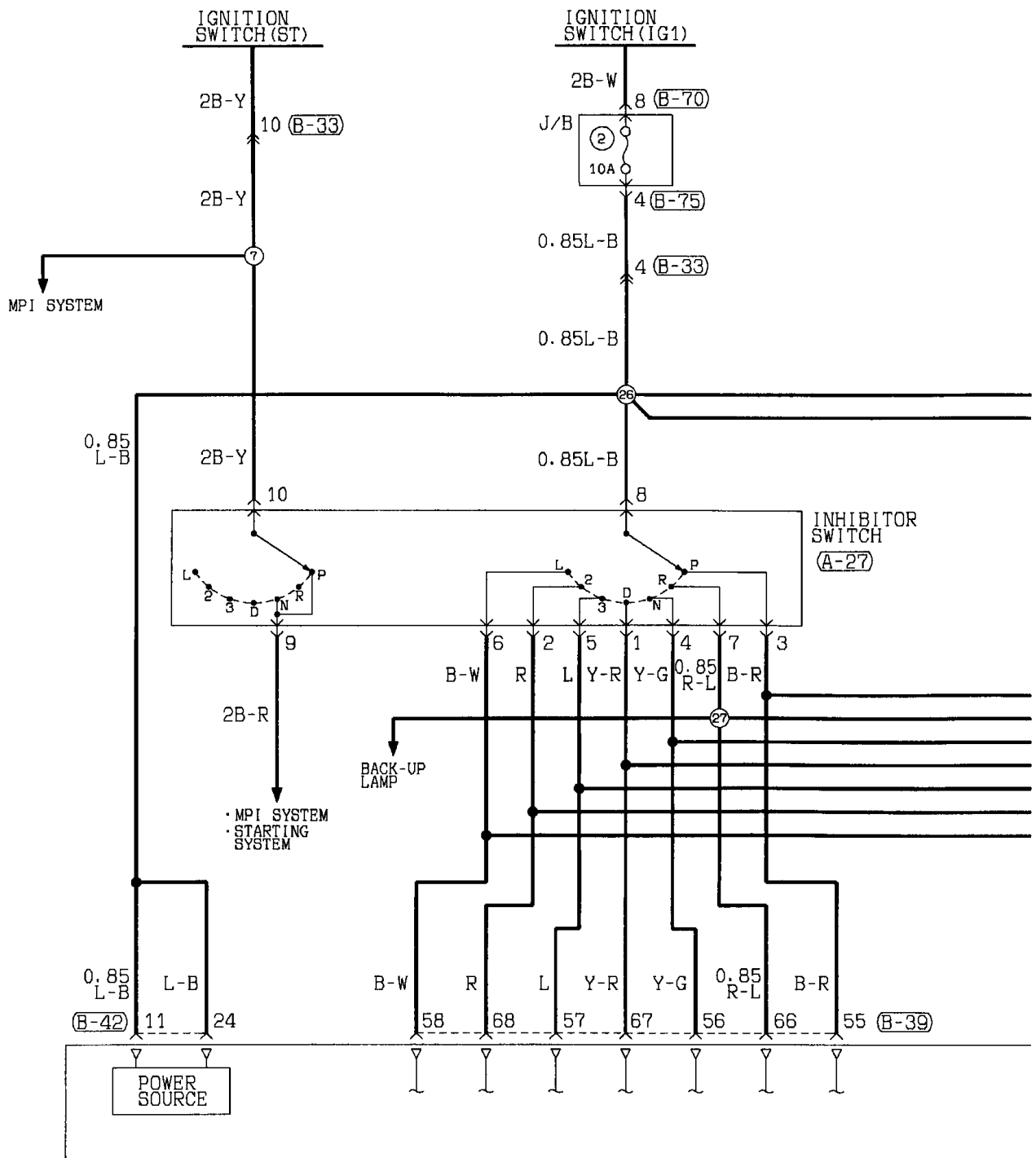


NOTES

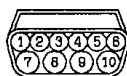
ELC 4-SPEED AUTOMATIC TRANSMISSION

90100120167

L.H. drive vehicles



(A-27)



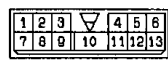
(A-62)



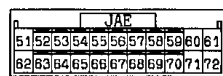
(A-67)



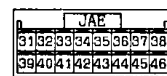
(B-33)



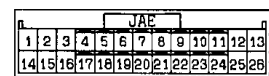
(B-39)



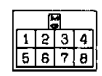
(B-41)

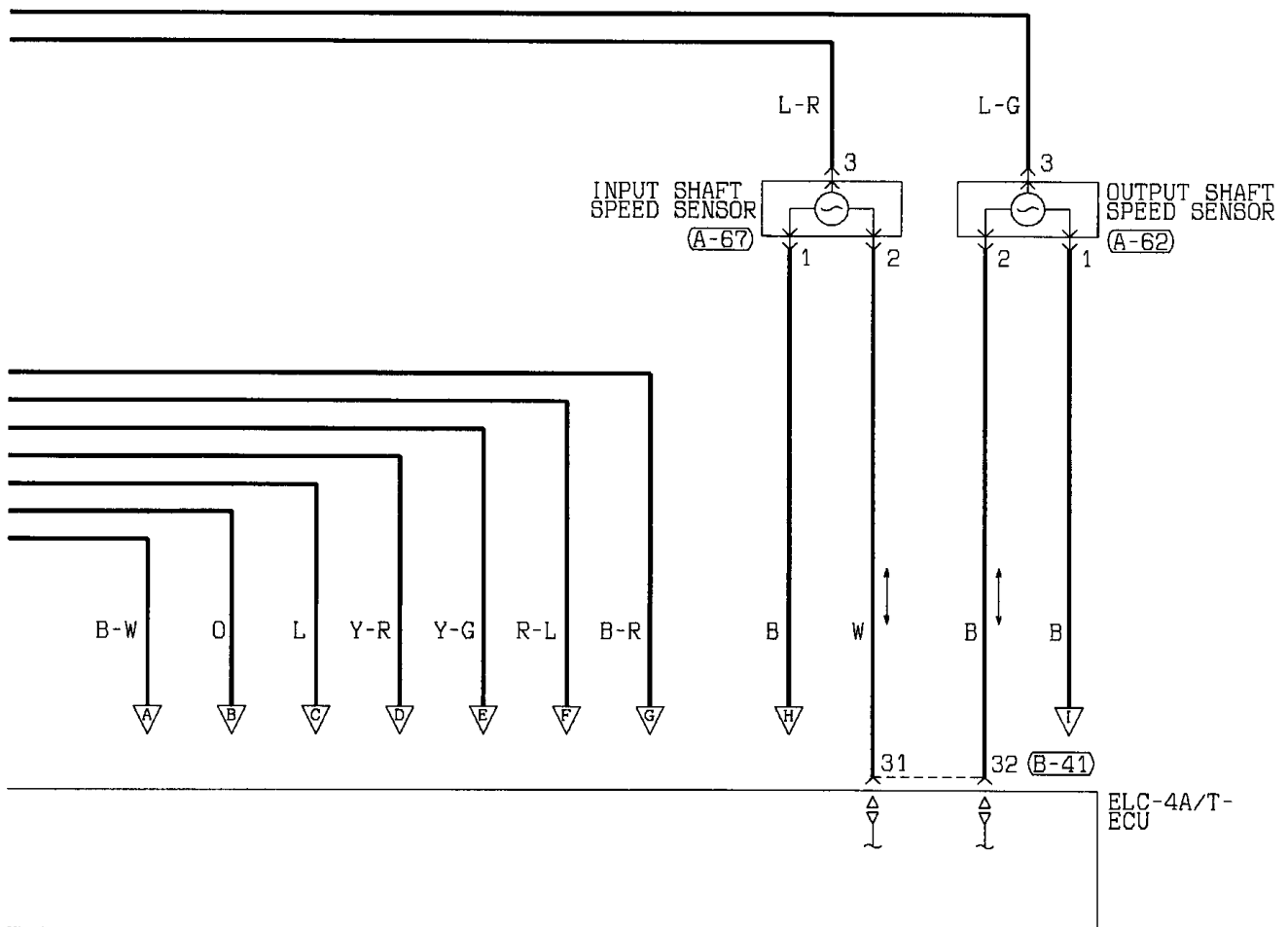


(B-42)



(B-70)

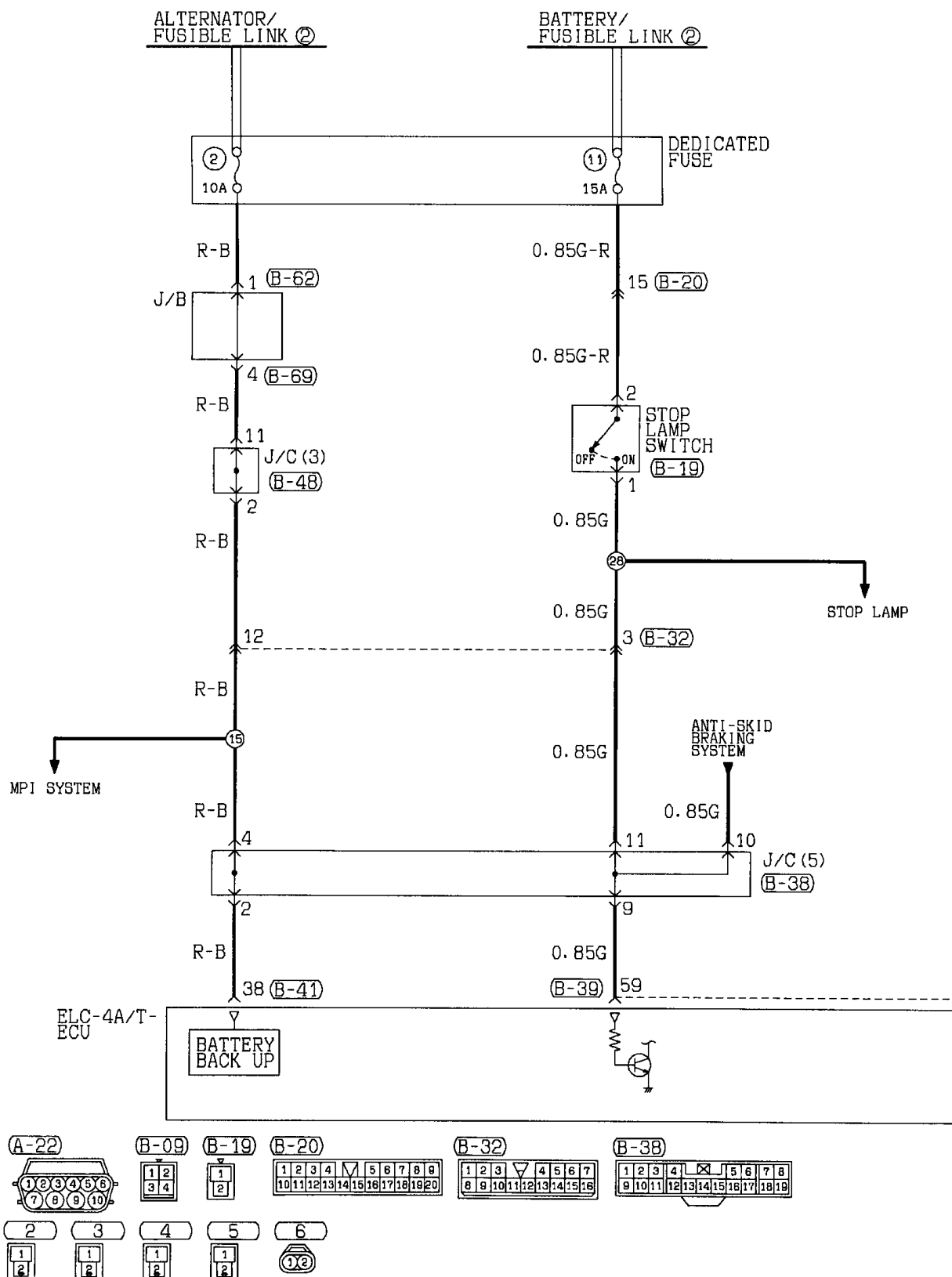


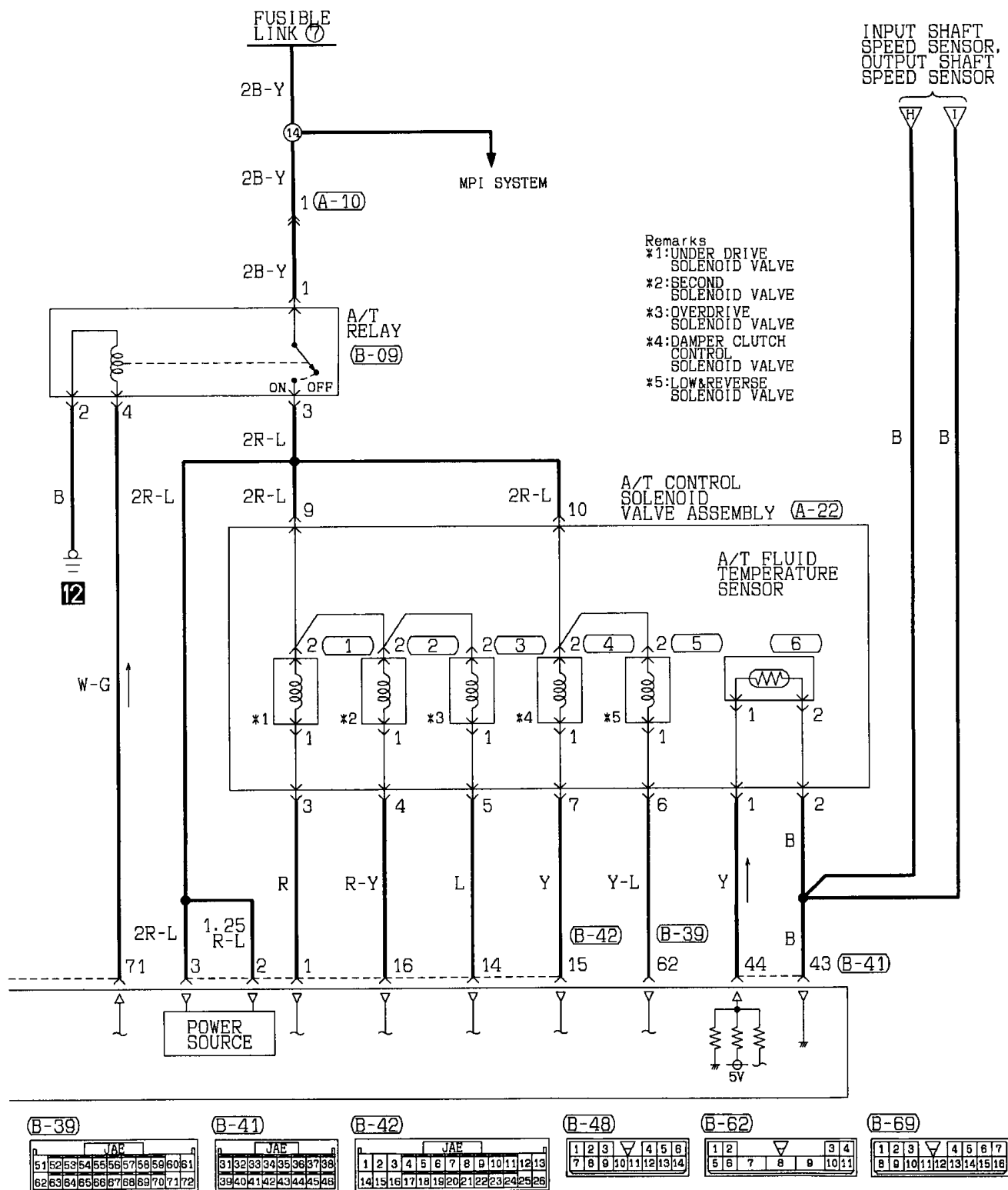


(B-75)

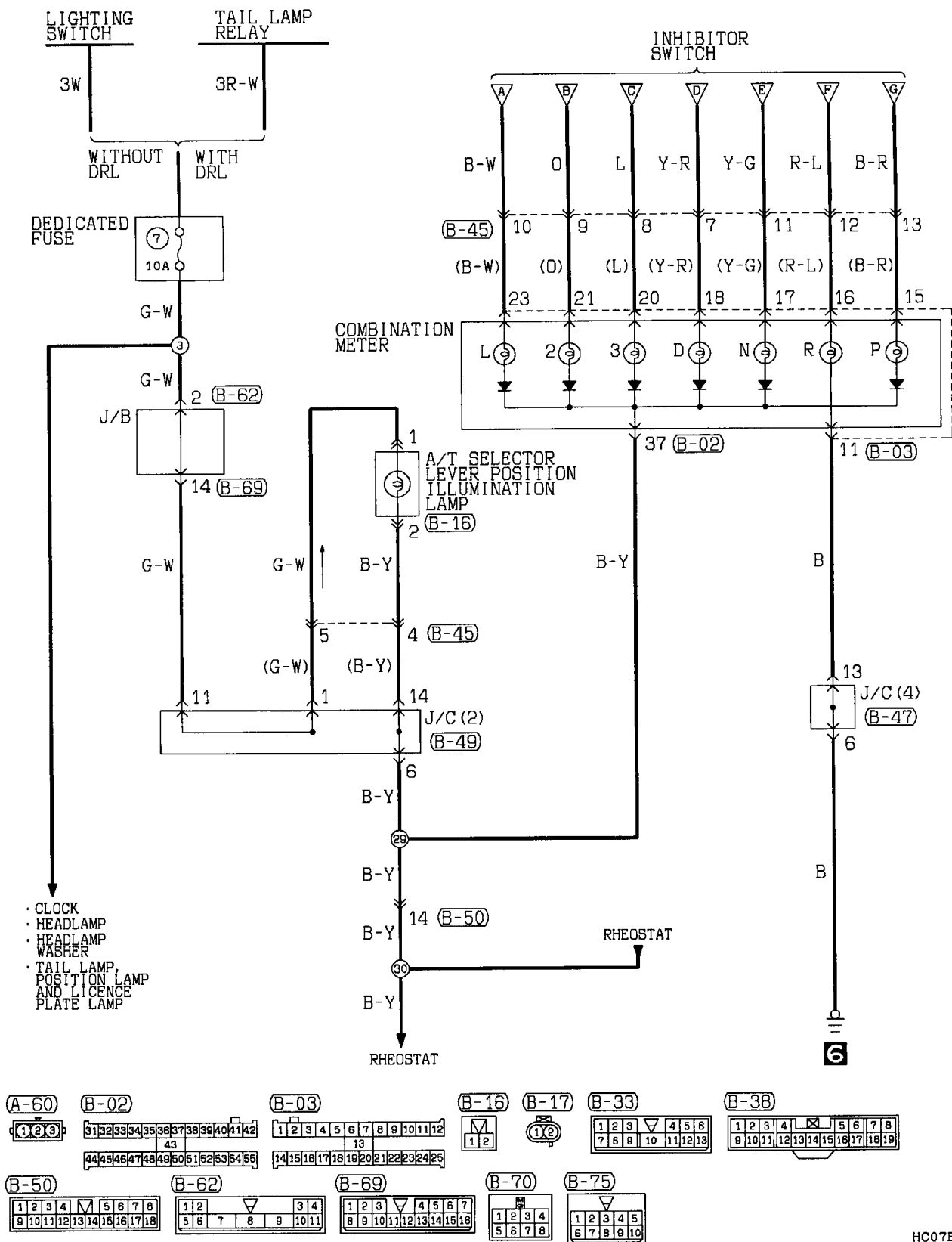
1	2	3	4	5
6	7	8	9	10

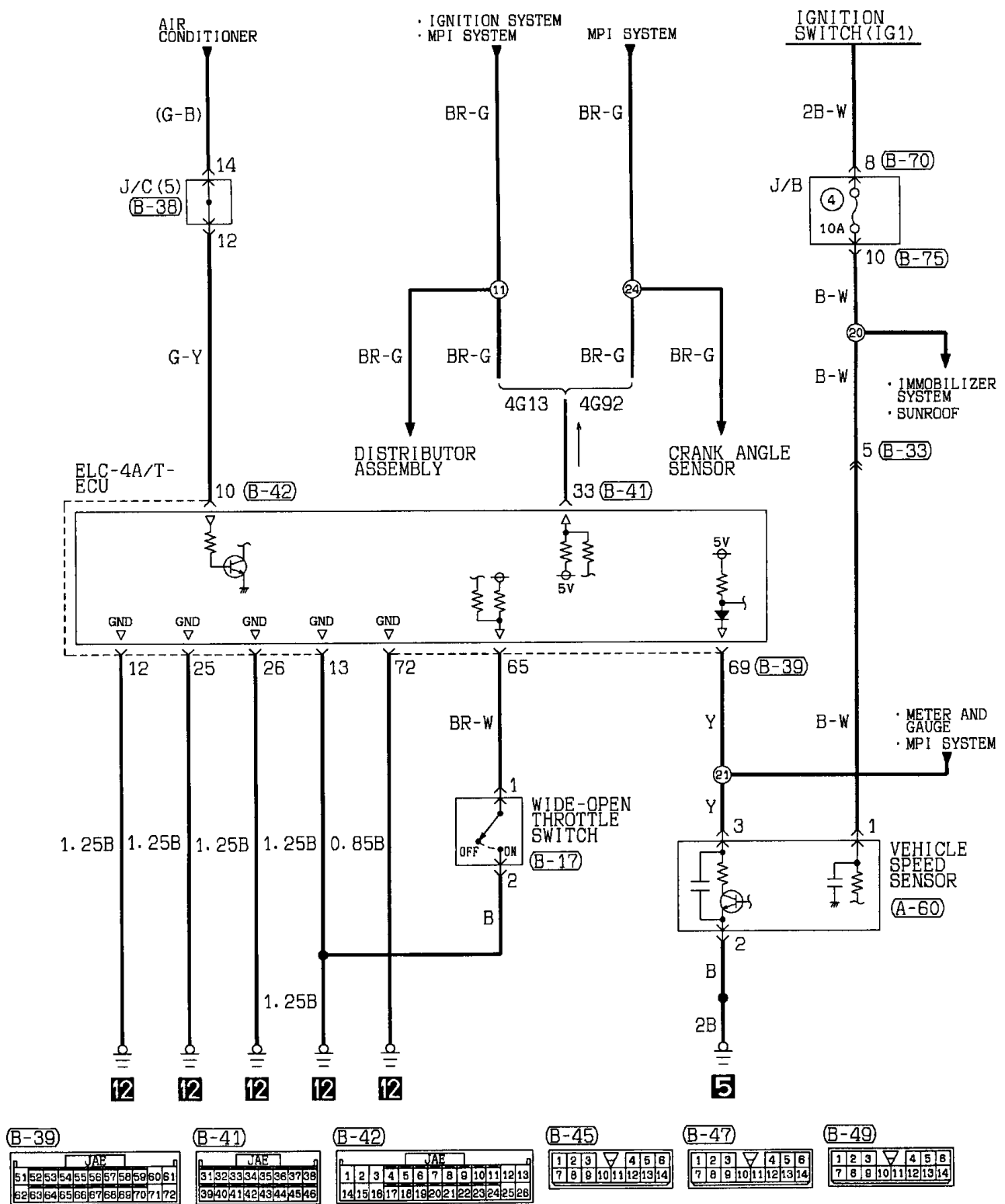
ELC 4-SPEED AUTOMATIC TRANSMISSION <L.H. drive vehicles> (CONTINUED)



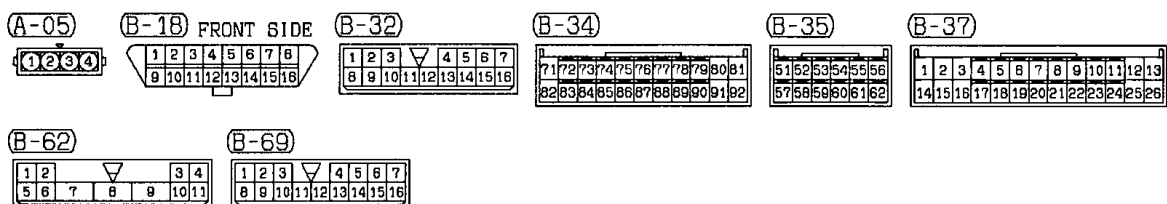


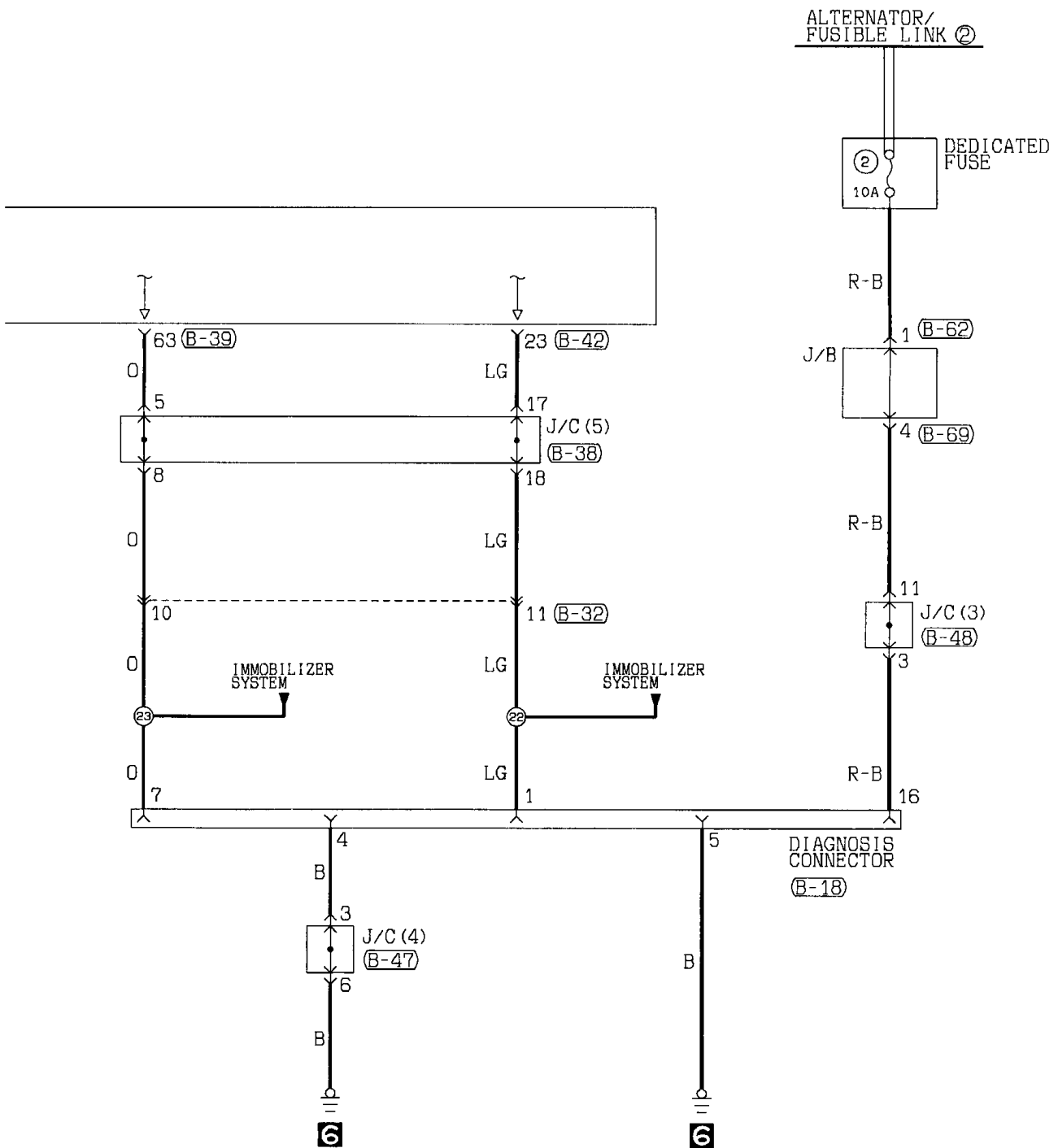
ELC 4-SPEED AUTOMATIC TRANSMISSION <L.H. drive vehicles> (CONTINUED)





ELC-4A/T-ECU





(B-38)

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

(B-39)

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

(B-41)

JAE

31 32 33 34 35 36 37 38

39 40 41 42 43 44 45 46

(B-42)

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-47)

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

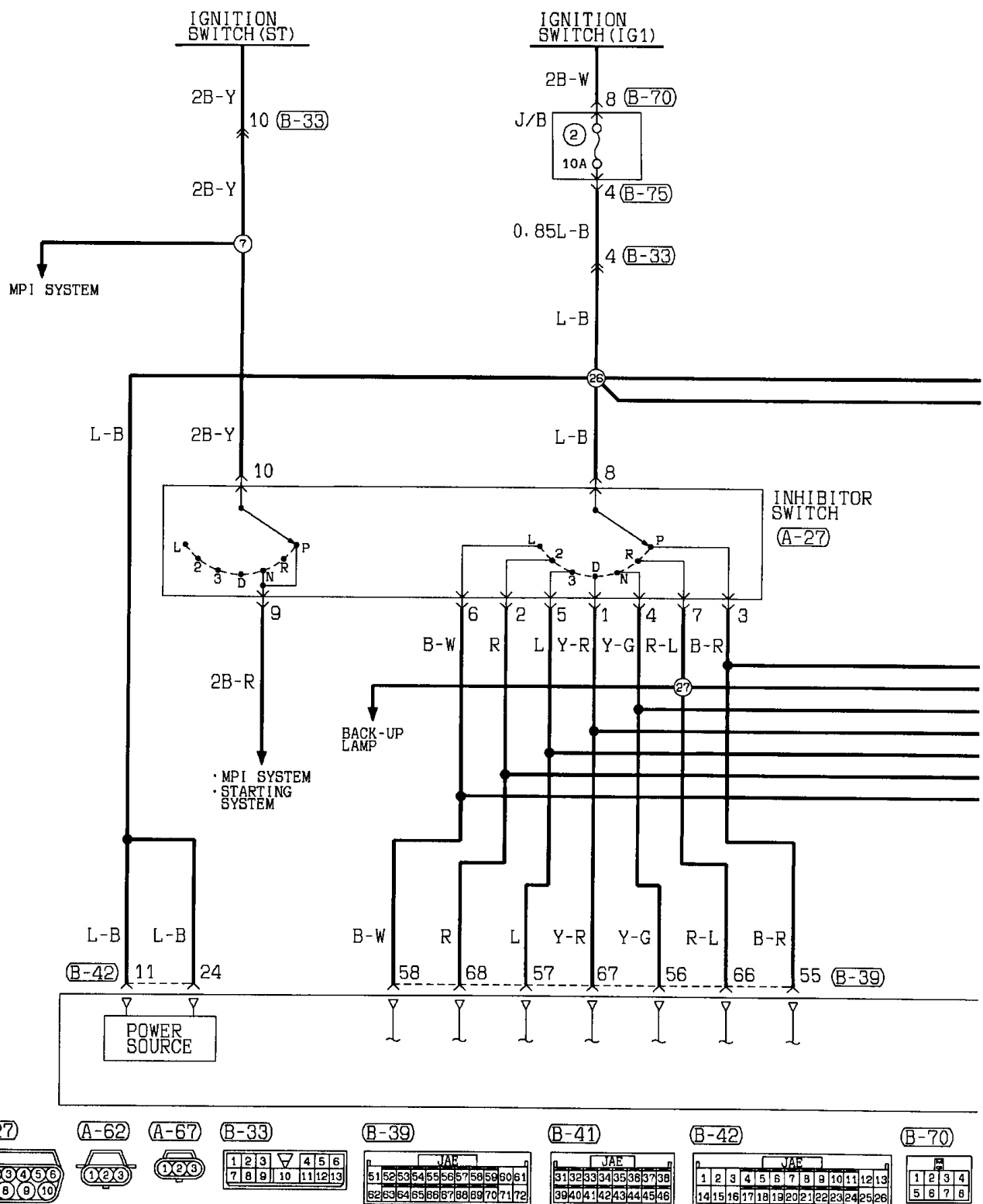
(B-48)

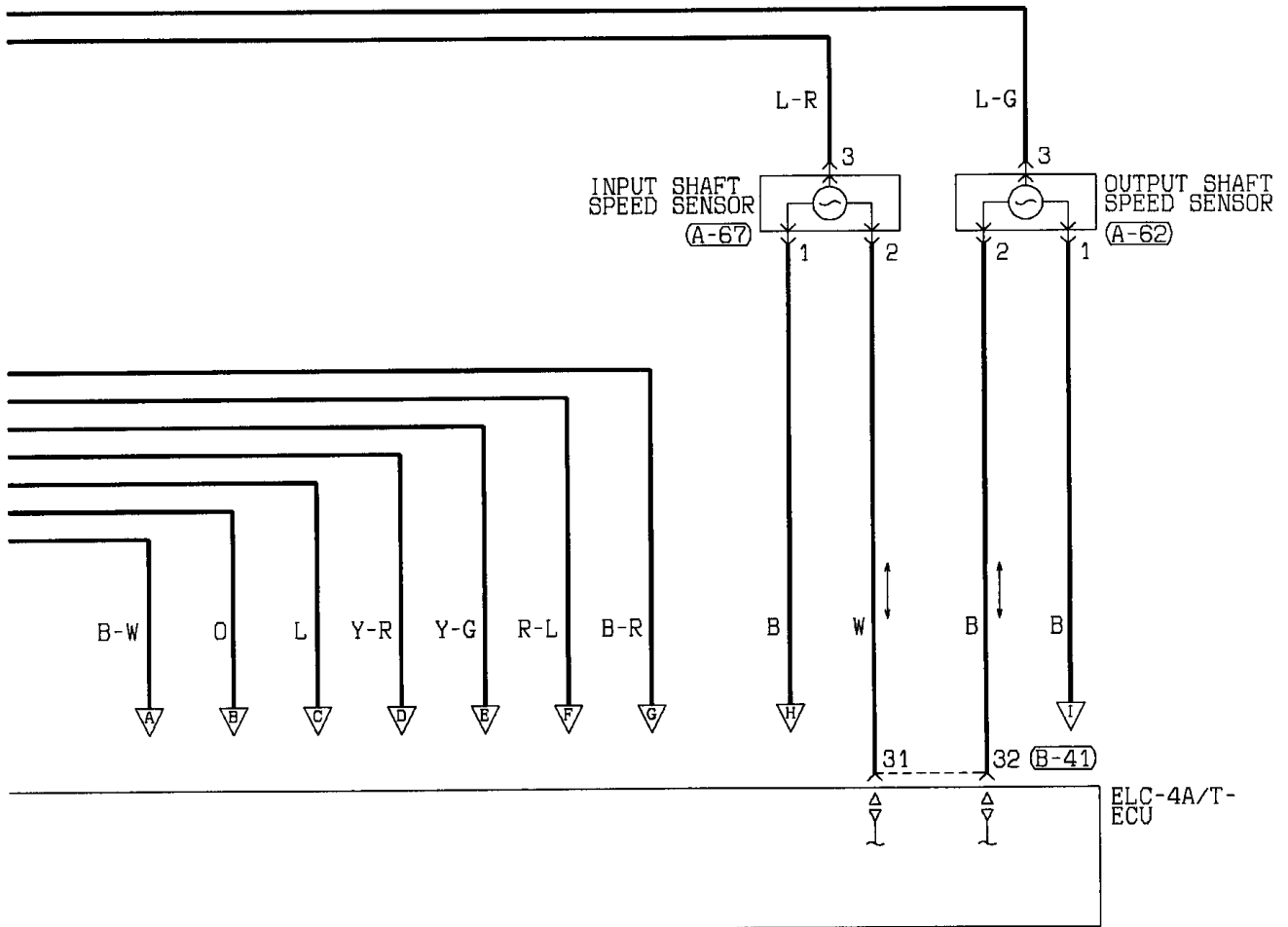
1	2	3	4	5	6
7	8	9	10	11	12
13	14				

ELC 4-SPEED AUTOMATIC TRANSMISSION

90100120174

R.H. drive vehicles

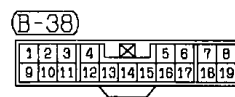
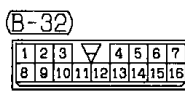
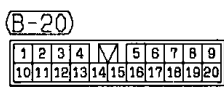
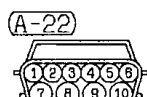
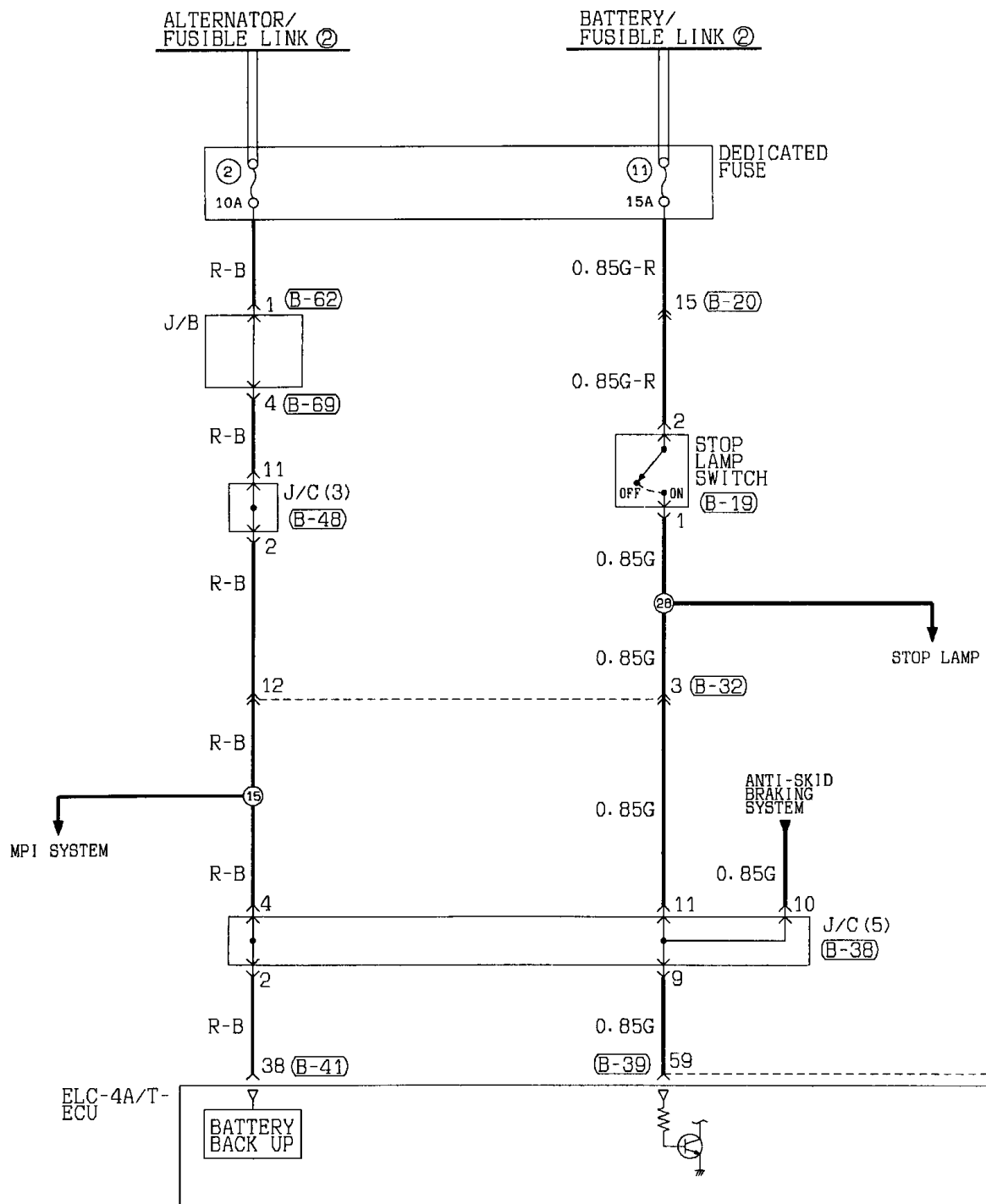


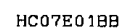


(B-75)

1	2	3	4	5
6	7	8	9	10

ELC 4-SPEED AUTOMATIC TRANSMISSION <R.H. drive vehicles> (CONTINUED)

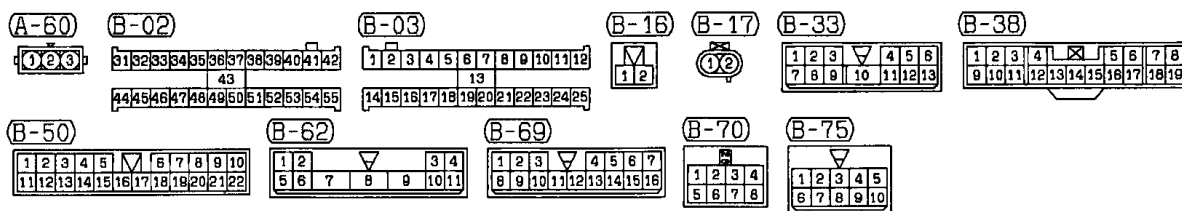


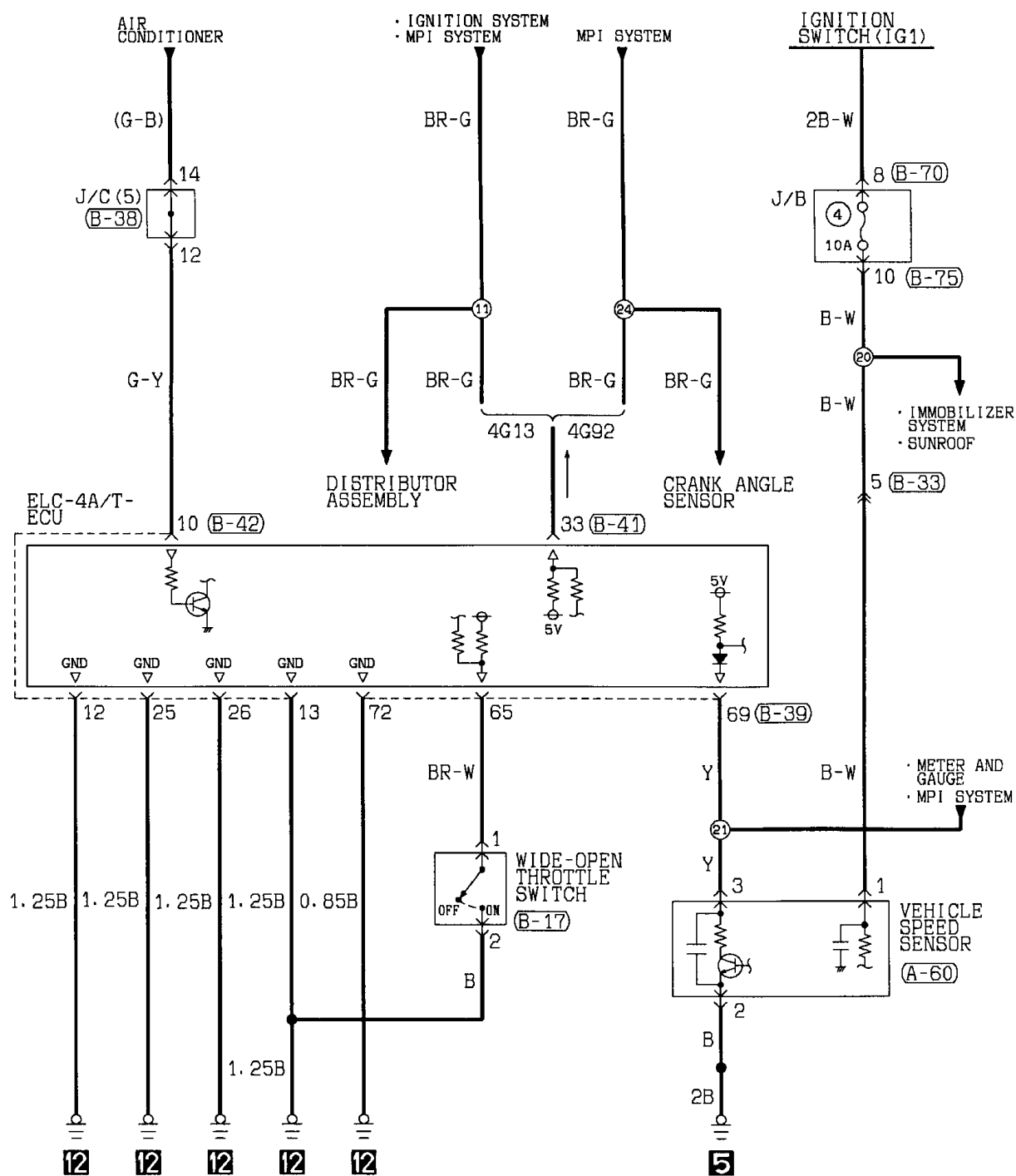


The diagram illustrates the electrical system for a vehicle, showing the following components and connections:

- LIGHTING SWITCH:** The main power source for the lighting system.
- DEDICATED FUSE:** A 10A fuse protecting the circuit.
- INHIBITOR SWITCH:** A switch with seven positions (A-G) that controls the lighting system. The positions are labeled with colors: B-W, O, L, Y-R, Y-G, R-L, B-R.
- COMBINATION METER:** A meter with seven indicator lamps: L, 2, 3, D, N, R, P. The lamps are labeled with colors: (B-W), (O), (L), (Y-R), (Y-G), (R-L), (B-R).
- A/T SELECTOR LEVER POSITION ILLUMINATION LAMP:** A lamp that indicates the position of the A/T selector lever.
- RHEOSTAT:** A variable resistor used to control the brightness of the lamps.
- TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP:** The main lighting output of the system.
- J/C (4) (B-47):** A junction box or connector.

The diagram shows the wiring connections between these components, including wire colors (e.g., G-W, B-Y, B) and terminal numbers (e.g., 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, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).





(B-39)

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
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

(B-41)

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

(B-42)

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
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

(B-45)

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
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

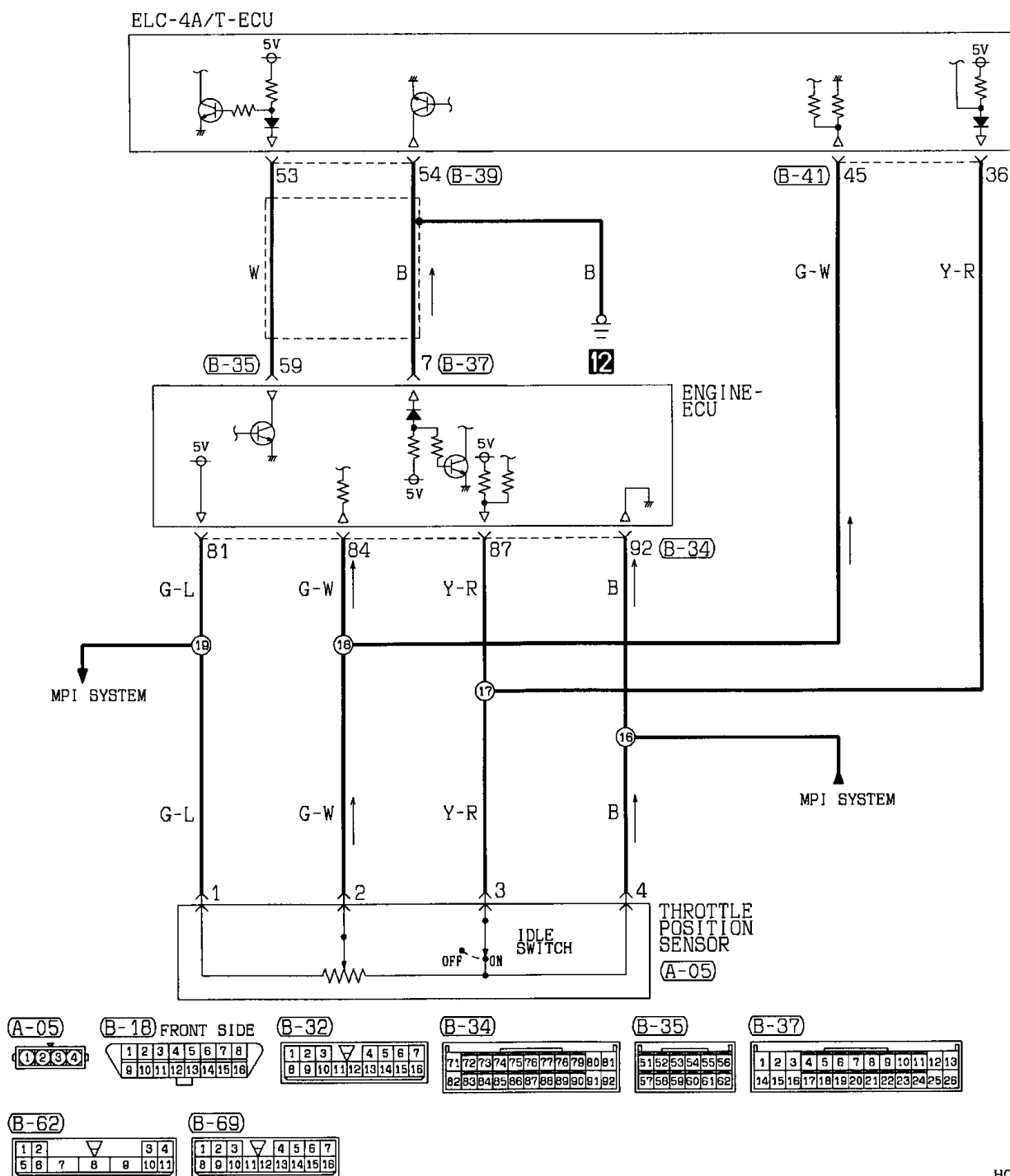
(B-47)

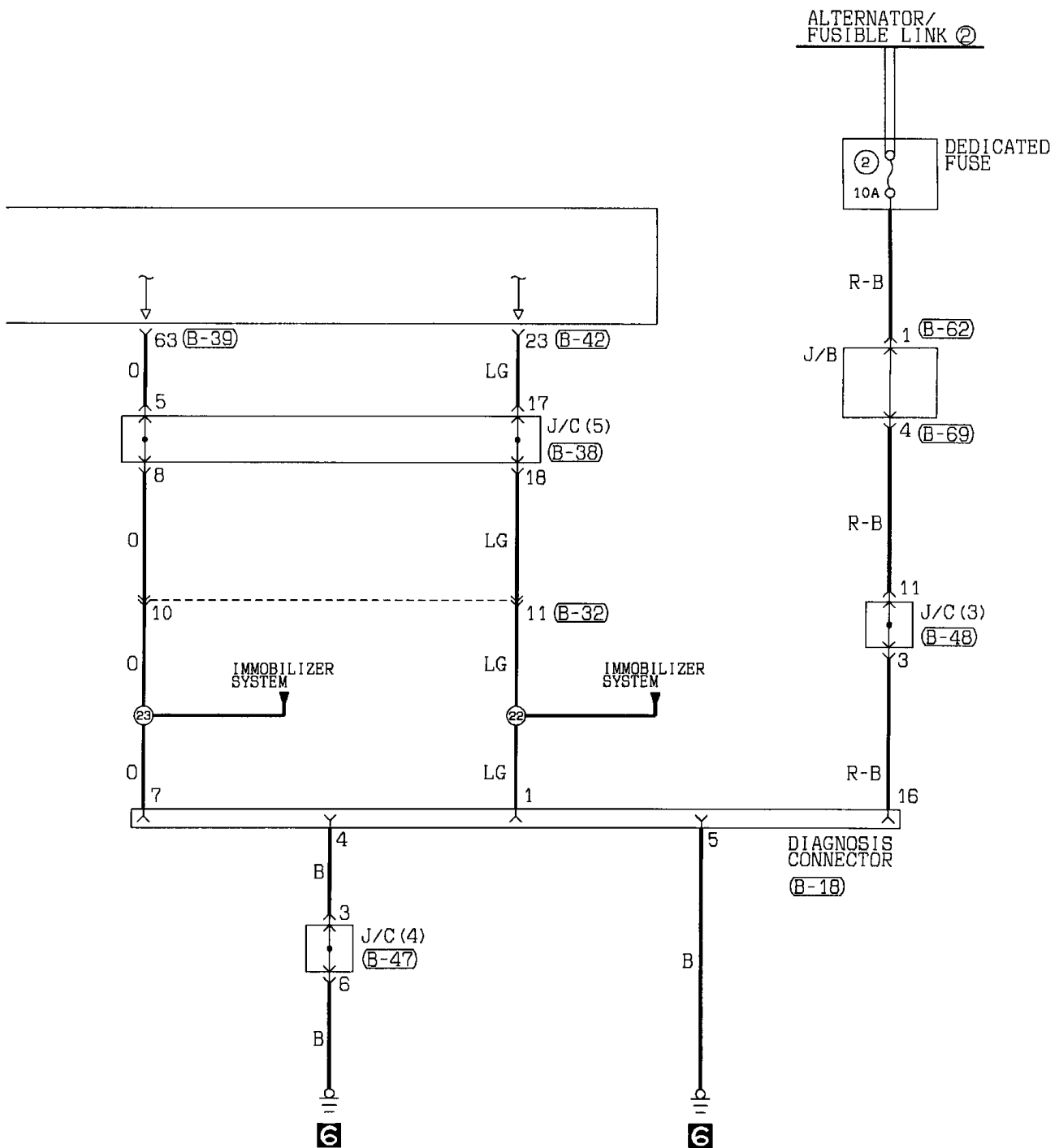
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

(B-49)

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

ELC 4-SPEED AUTOMATIC TRANSMISSION <R.H. drive vehicles> (CONTINUED)





(B-38)

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-39)

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

(B-41)

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

(B-42)

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-47)

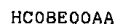
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18

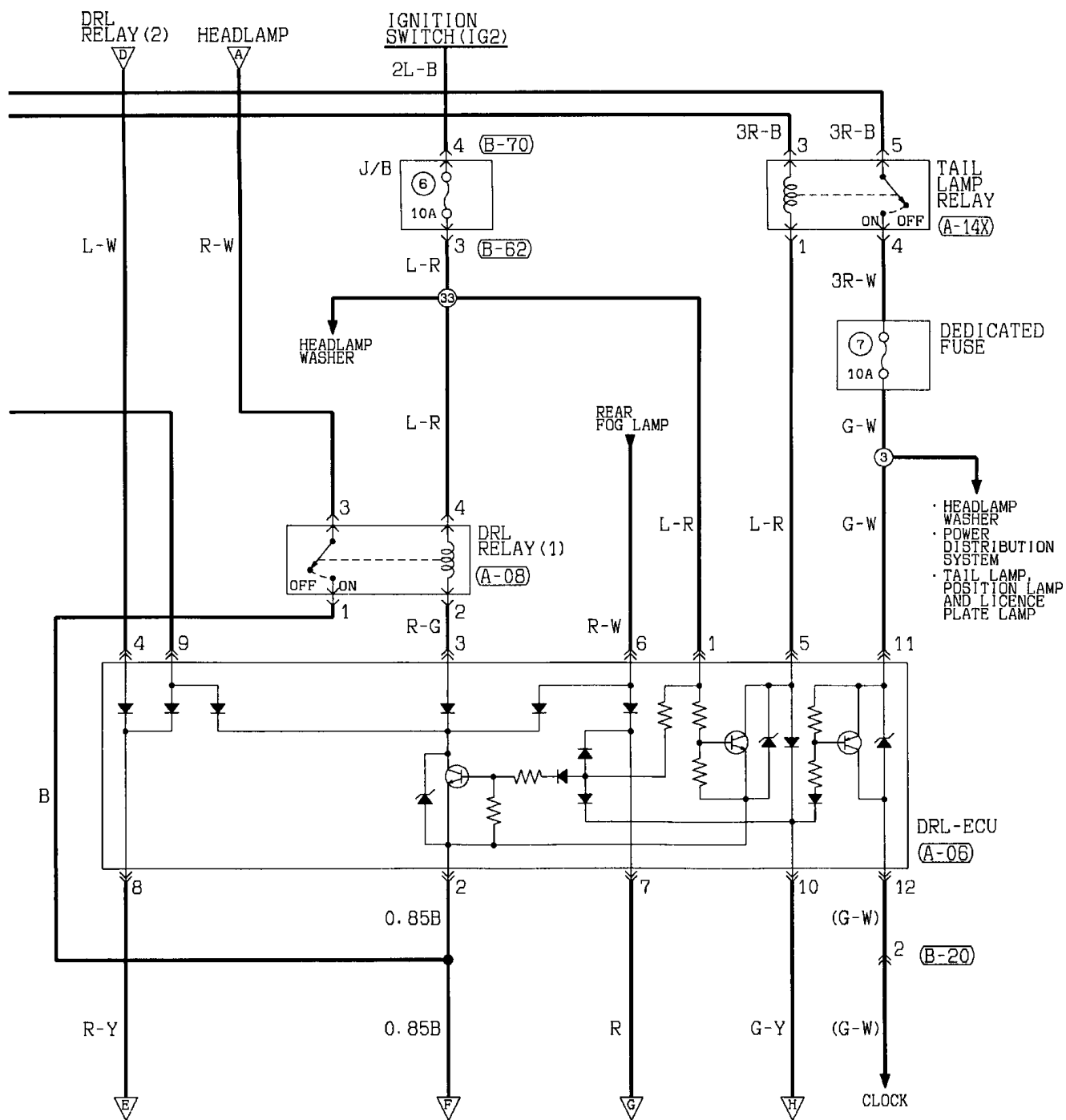
(B-48)

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

90100150203

- CHARGING SYSTEM
- HEADLAMP WASHER





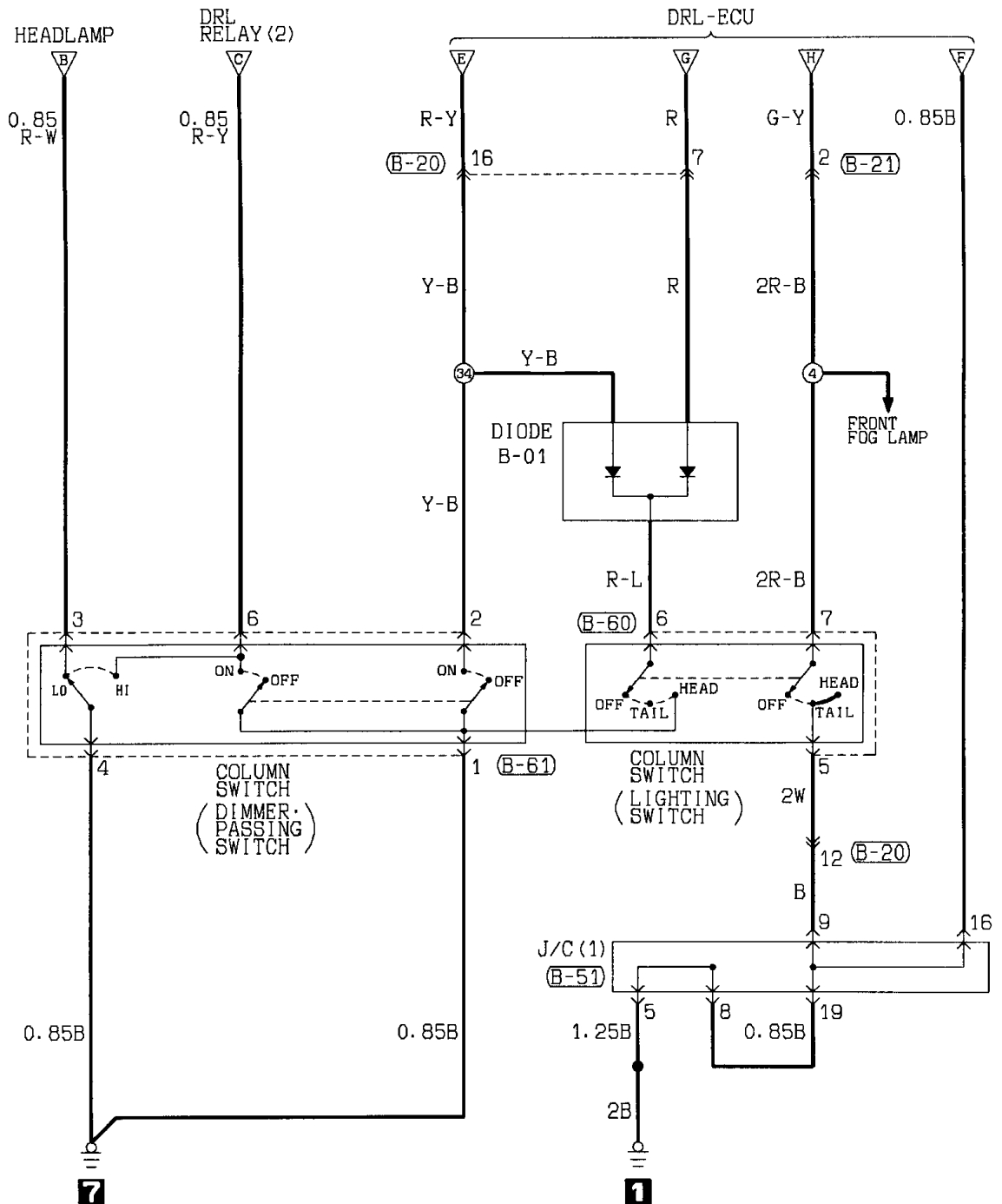
(B-62)

1	2	3	4
5	6	7	8
9	10	11	

(B-70)

1	2	3	4
5	6	7	8

HEADLAMP <Vehicles with daytime running lamp> (CONTINUED)



(B-20)

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

(B-21)

1	2
3	4
5	6

(B-51)

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

(B-60)

1	2	3	4
5	6	7	8
9	10		

(B-61)

1	2
3	4
5	6

HEADLAMP <Vehicles with daytime running lamp> (See P. 4-80.)**OPERATION**

Headlamp relay activation requirements

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

<Daytime running lamp operation>

- Turning the ignition switch to the ON position causes the headlamp relay, DRL relay 1, and tail lamp relay to be energized, which causes the headlamps, tail lamps, etc. to go on.

<Low-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay and DRL relay 2 to be energized.
- If the dimmer/passing switch is placed in the LO position at this time, the headlamps light up in low beam.

<Upper-beam operation>

- Placing the lighting switch in the HEAD position causes the headlamp relay and DRL relay 2 to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

<Upper-beam indicator lamp>

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

<Passing operation>

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

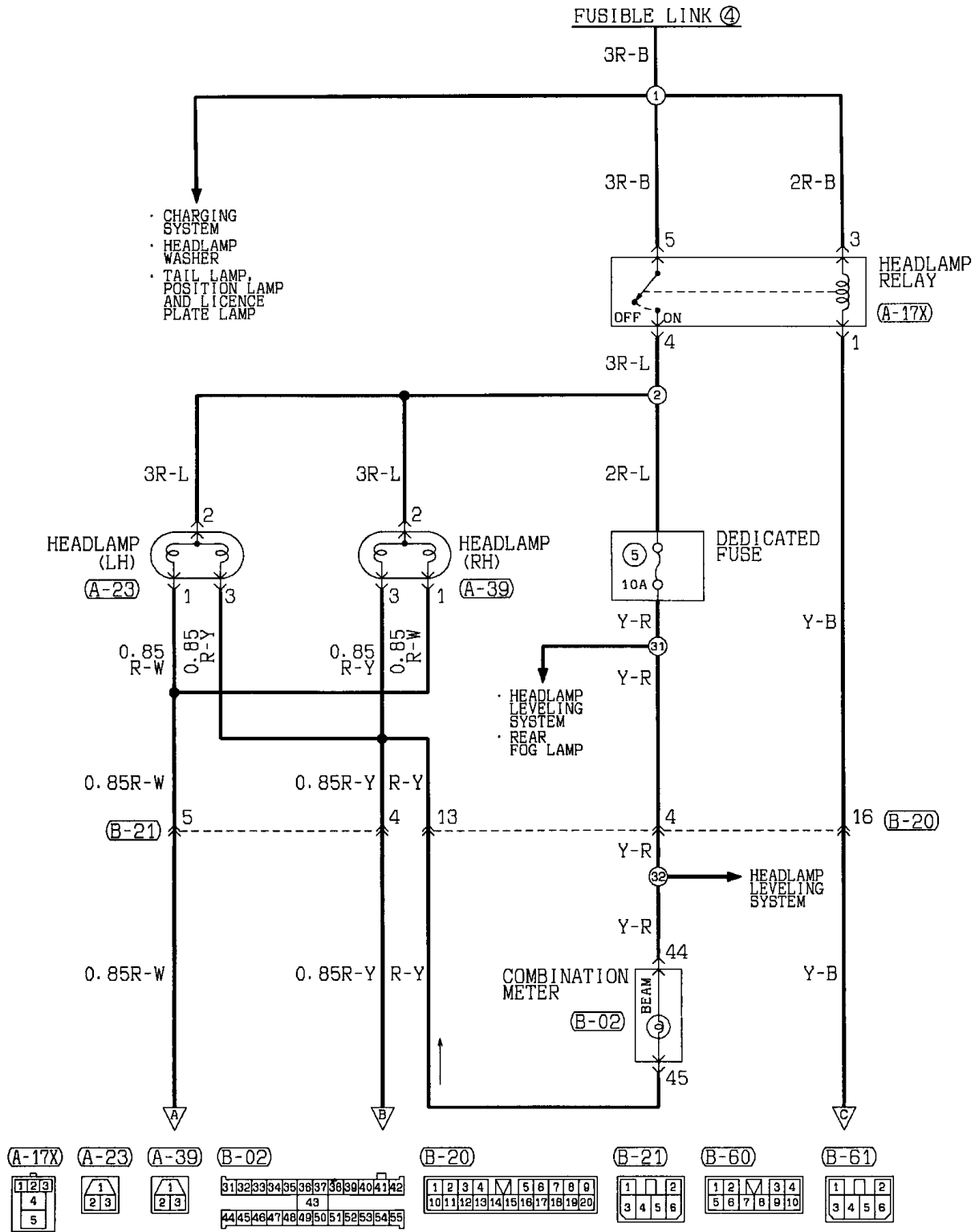
TROUBLESHOOTING HINTS

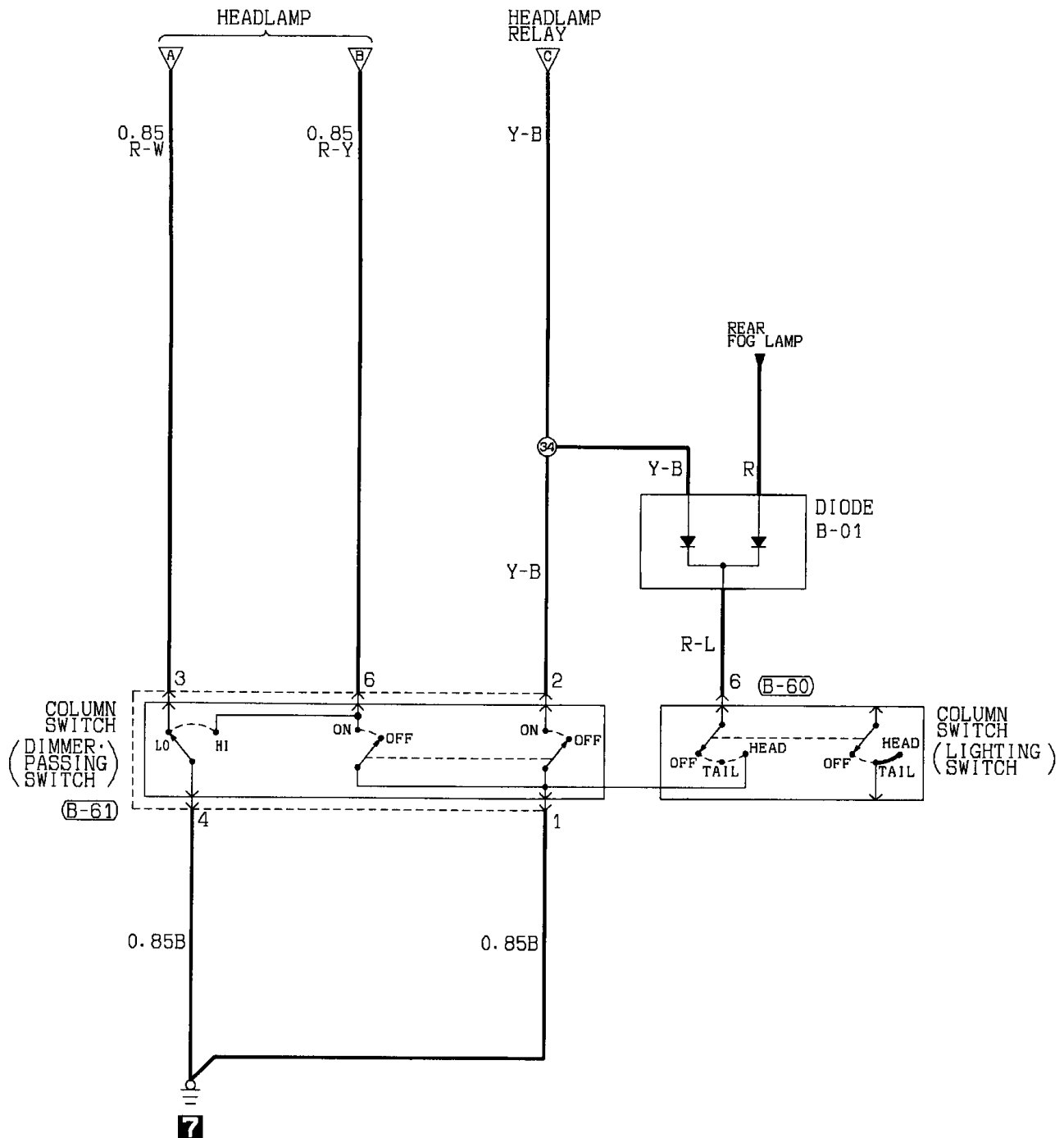
- Headlamps don't go on.
 - But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. (4).
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam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

HEADLAMP

90100150210

Vehicles without daytime running lamp





HEADLAMP <Vehicles without daytime running lamp> (See P. 4-84.)**OPERATION**

Headlamp relay activation requirements

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

<Passing operation>

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

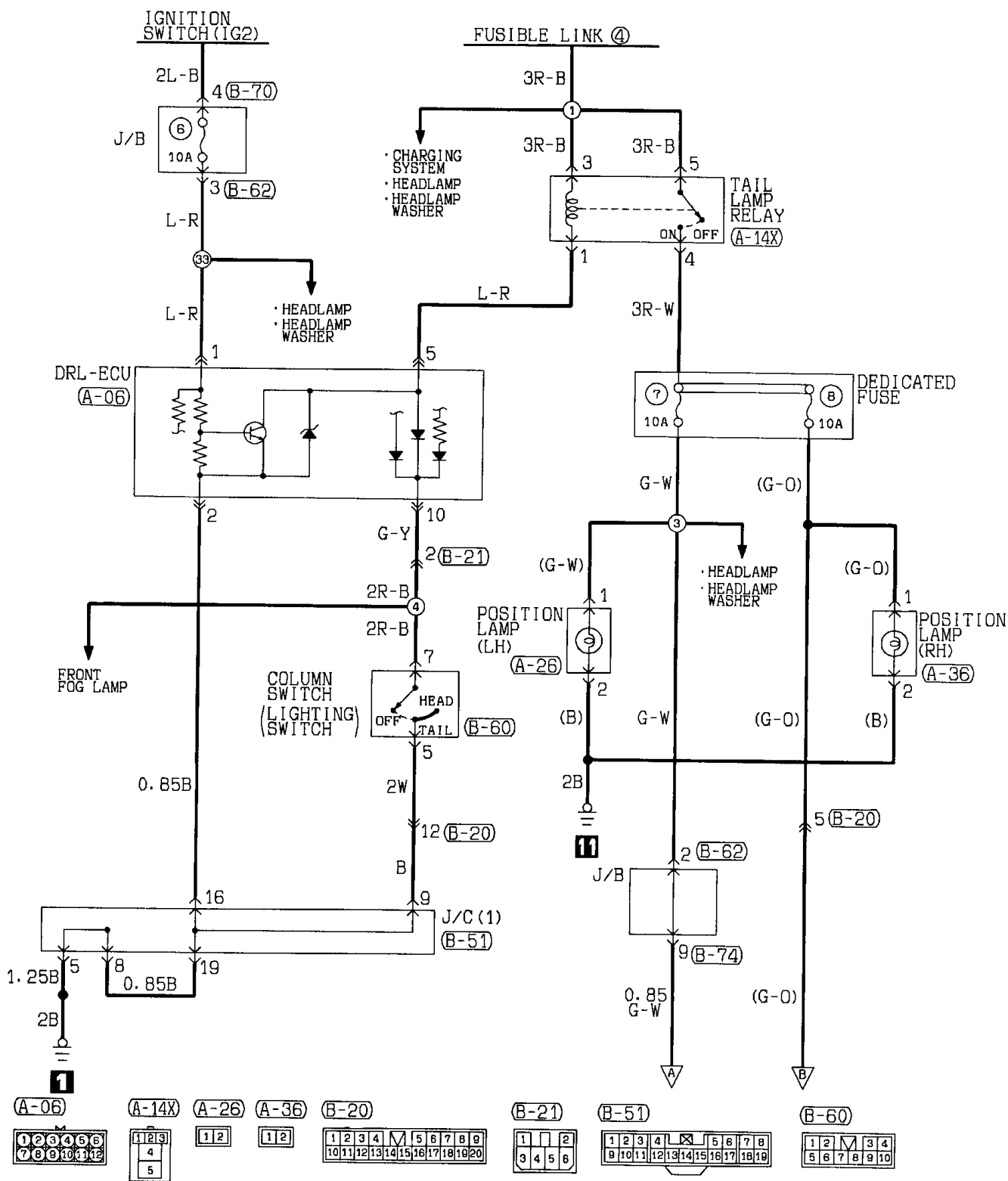
TROUBLESHOOTING HINTS

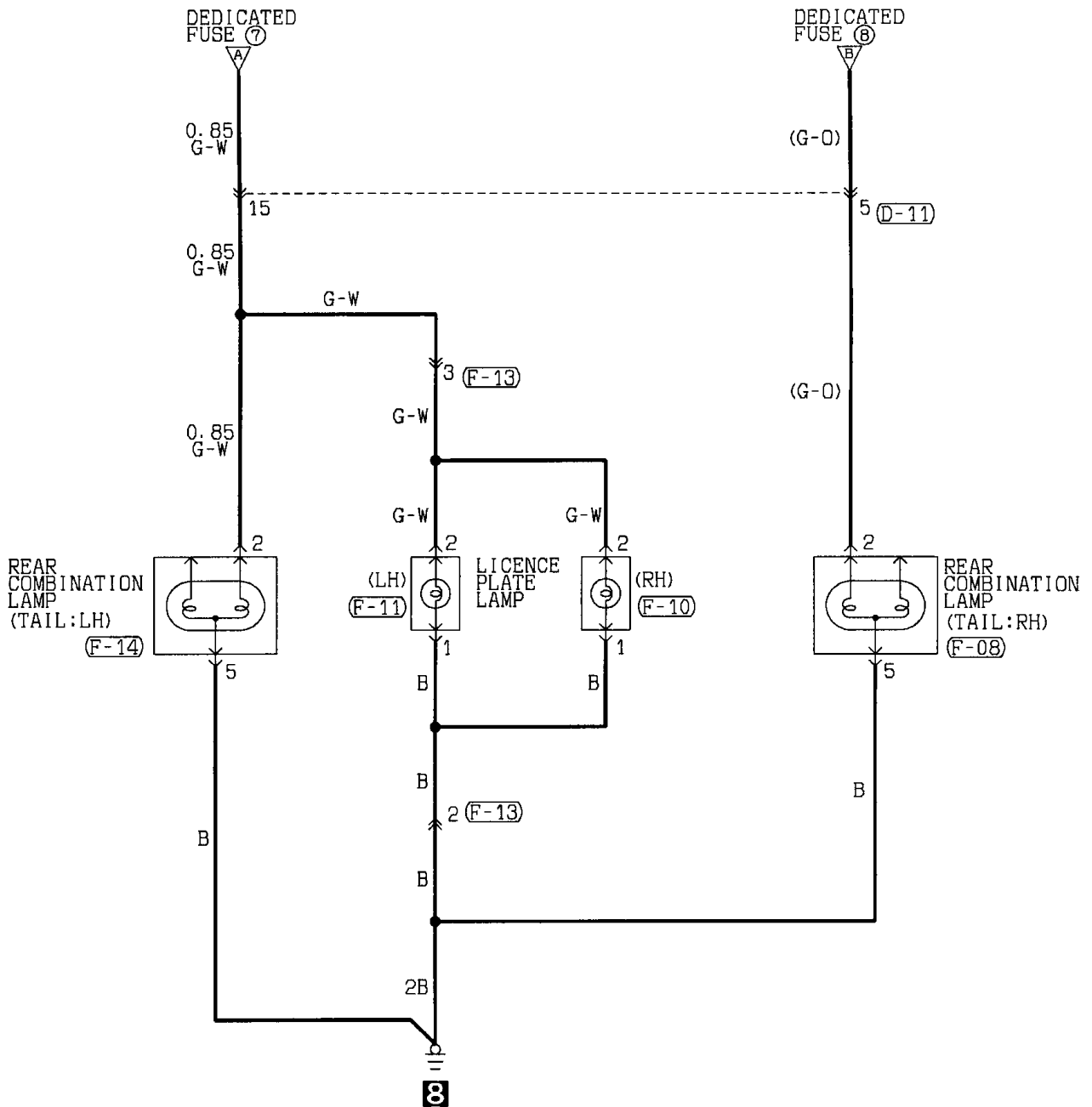
- Headlamps don't go on.
 - But the tail lamps illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. (4).
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam at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

NOTES

90101260097

Hatchback <Vehicles with daytime running lamp>

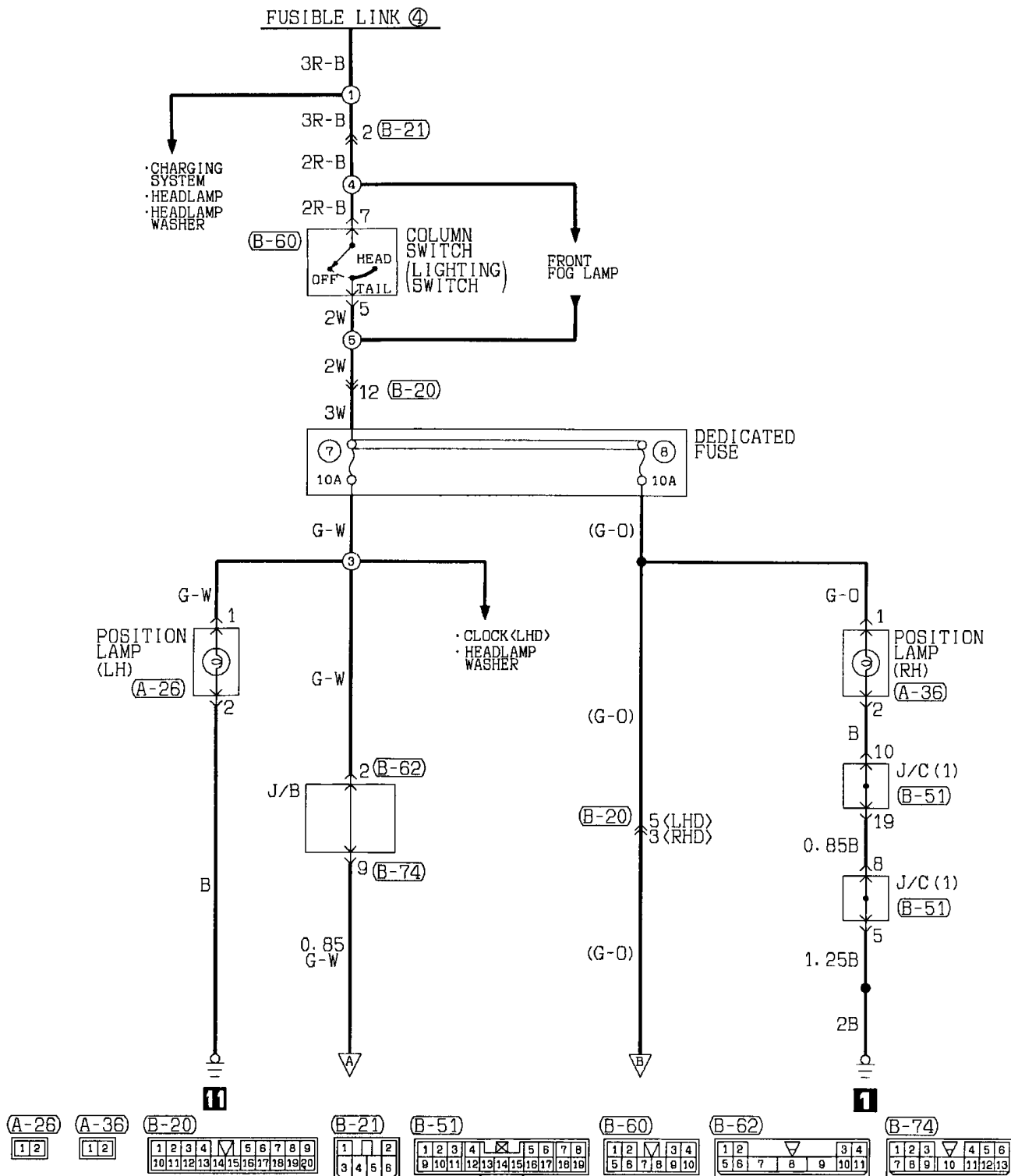


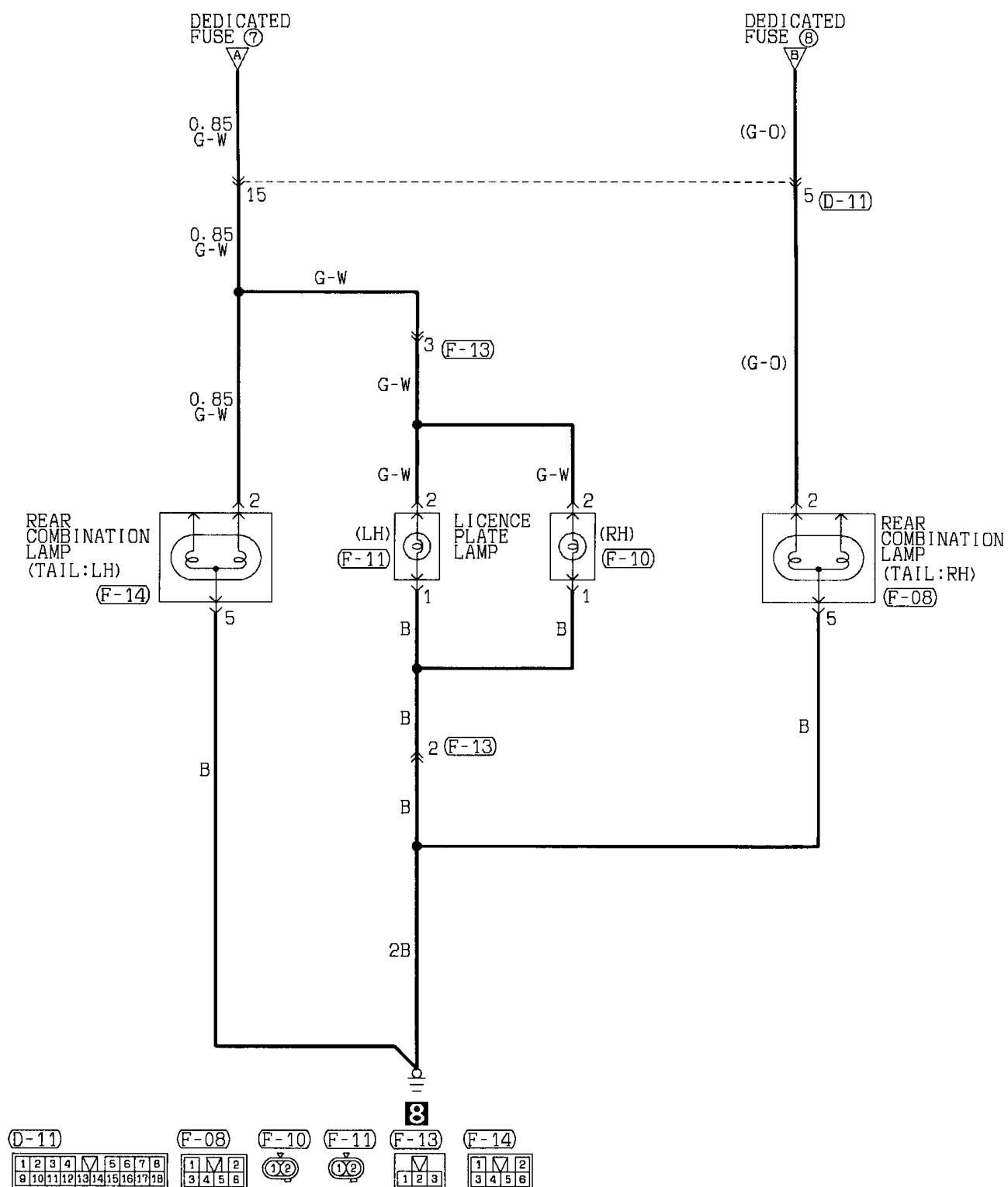


TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260103

Hatchback <Vehicles without daytime running lamp>

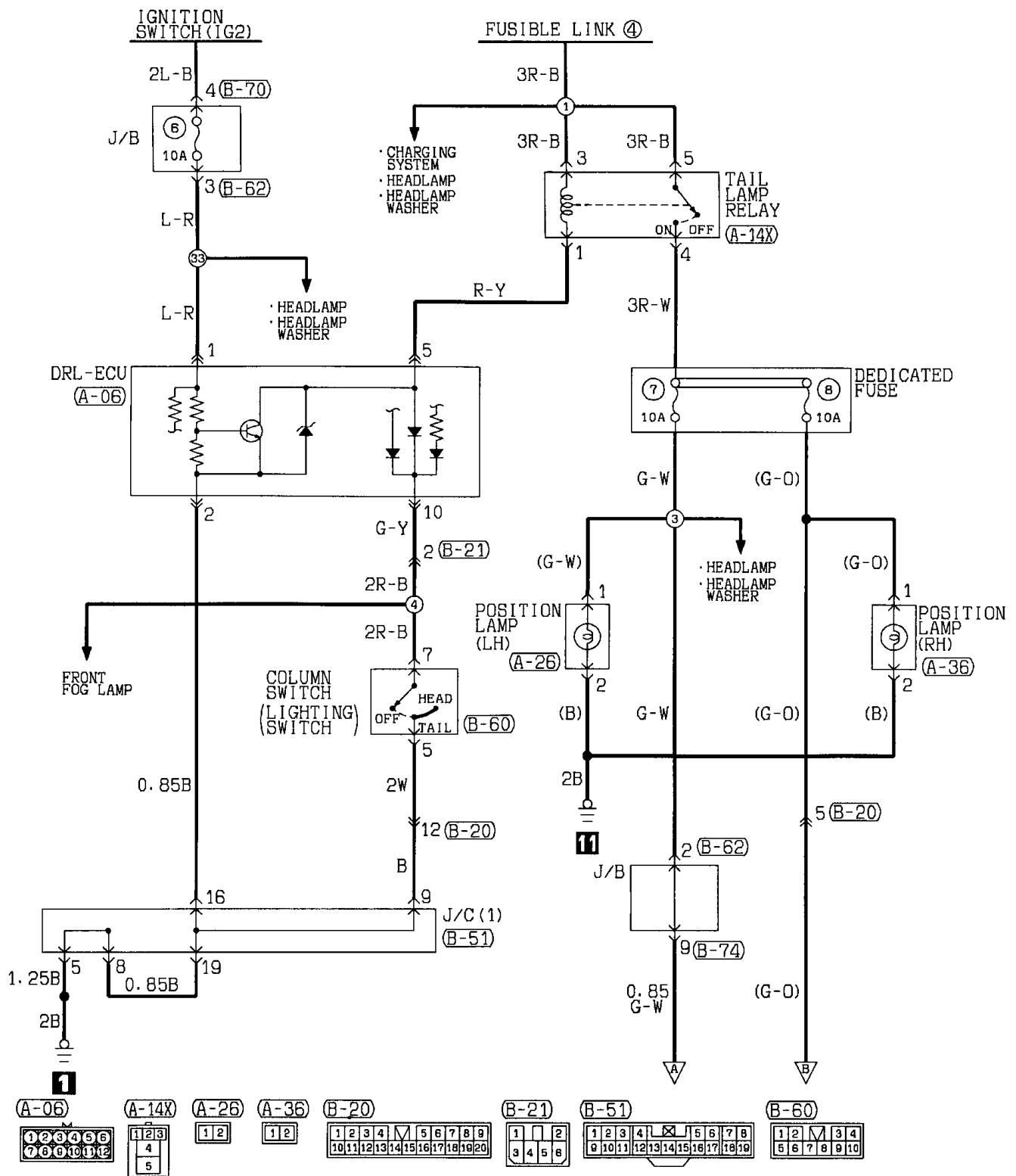


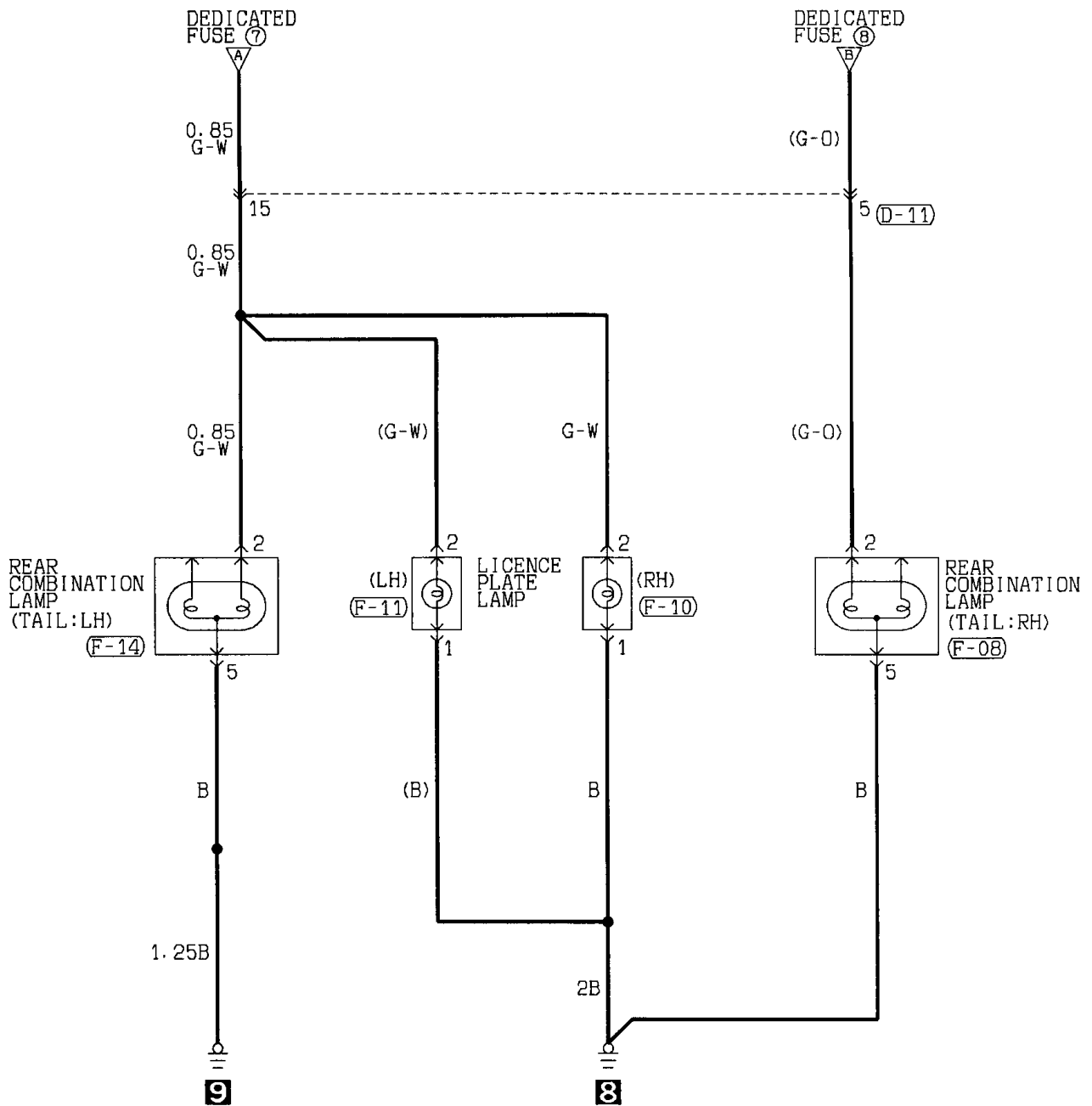


TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260110

Sedan <Vehicles with daytime running lamp>





B-62

1	2	3	4
5	6	7	8
9	10	11	

B-70

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

B-74

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

D-11

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

F-08

1	2
3	4
5	6

F-10

1	2
3	4
5	6

F-11

1	2
3	4
5	6

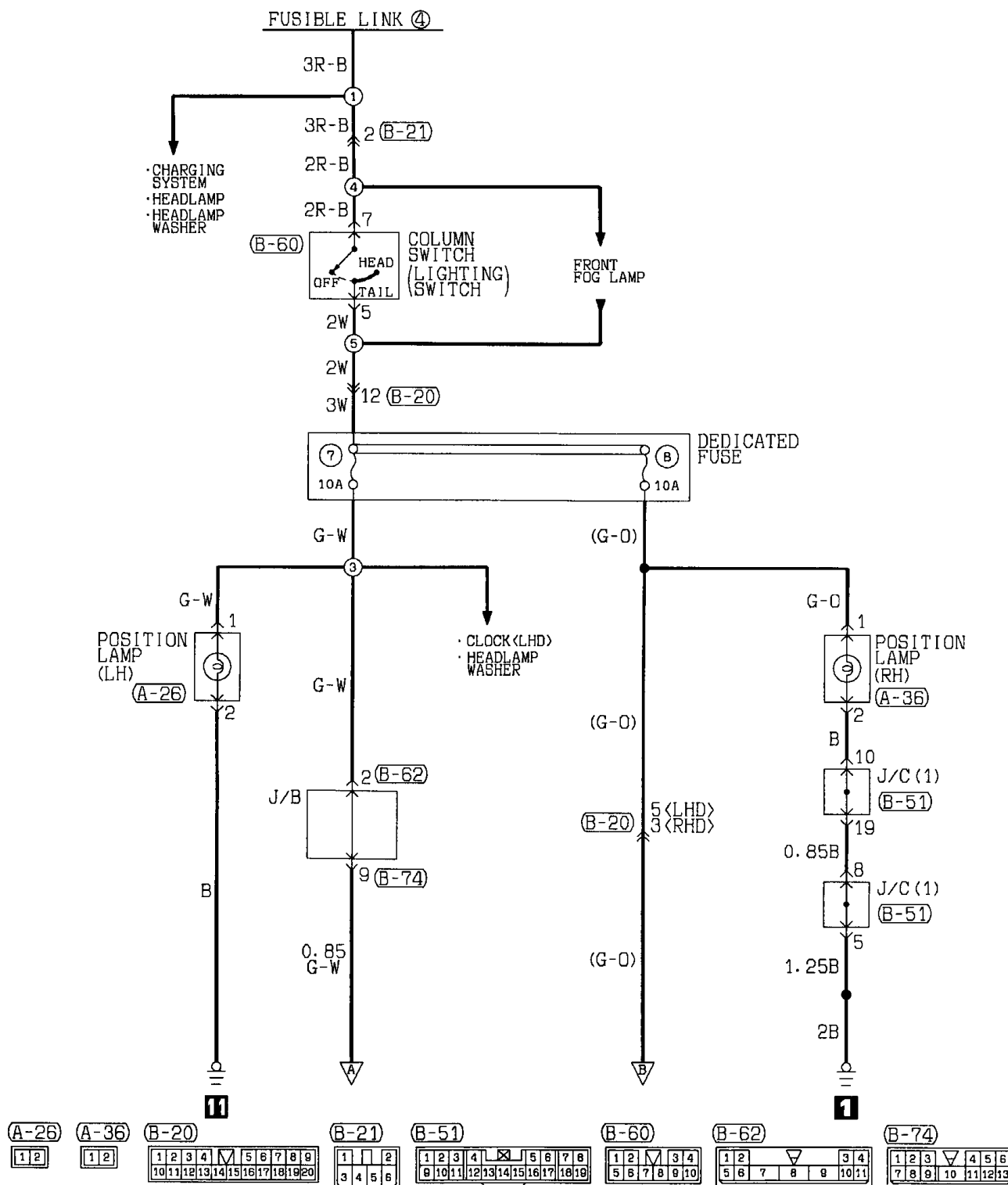
F-14

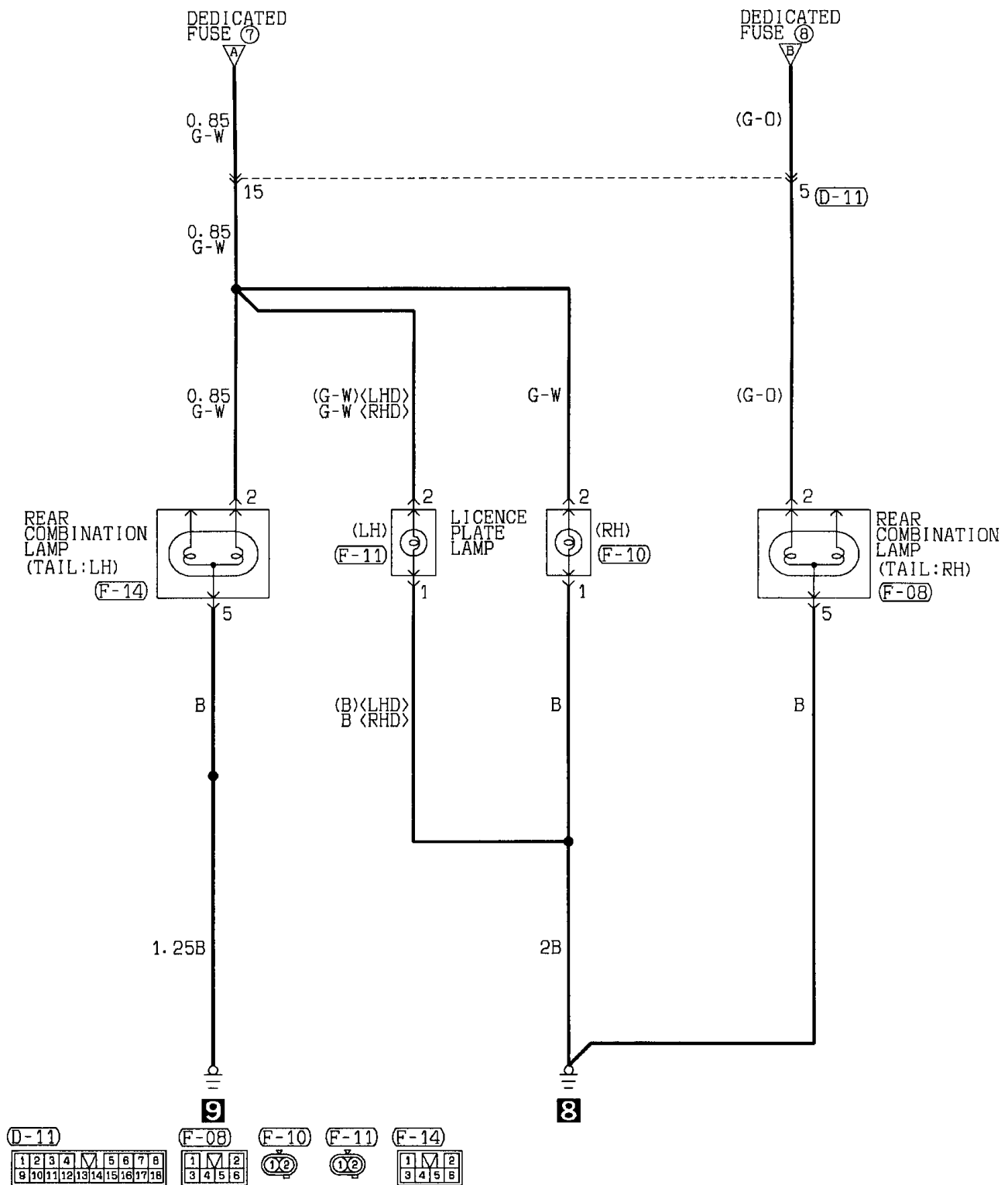
1	2
3	4
5	6

TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260127

Sedan <Vehicles without daytime running lamp>





TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
(See P. 4-88, 90, 92, 94.)**OPERATION**

- Placing the lighting switch in the "TAIL" or "HEAD" position causes the tail lamp relay to be energized.
For vehicles with daytime running lamps, if the ignition switch is turned to the "ON" position, the tail lamp relay normally is always "ON".
- As result, current flows by way of dedicated fuse No. (7) and No. (8) to each lamp, causing the lamp to go on.

TROUBLESHOOTING HINTS

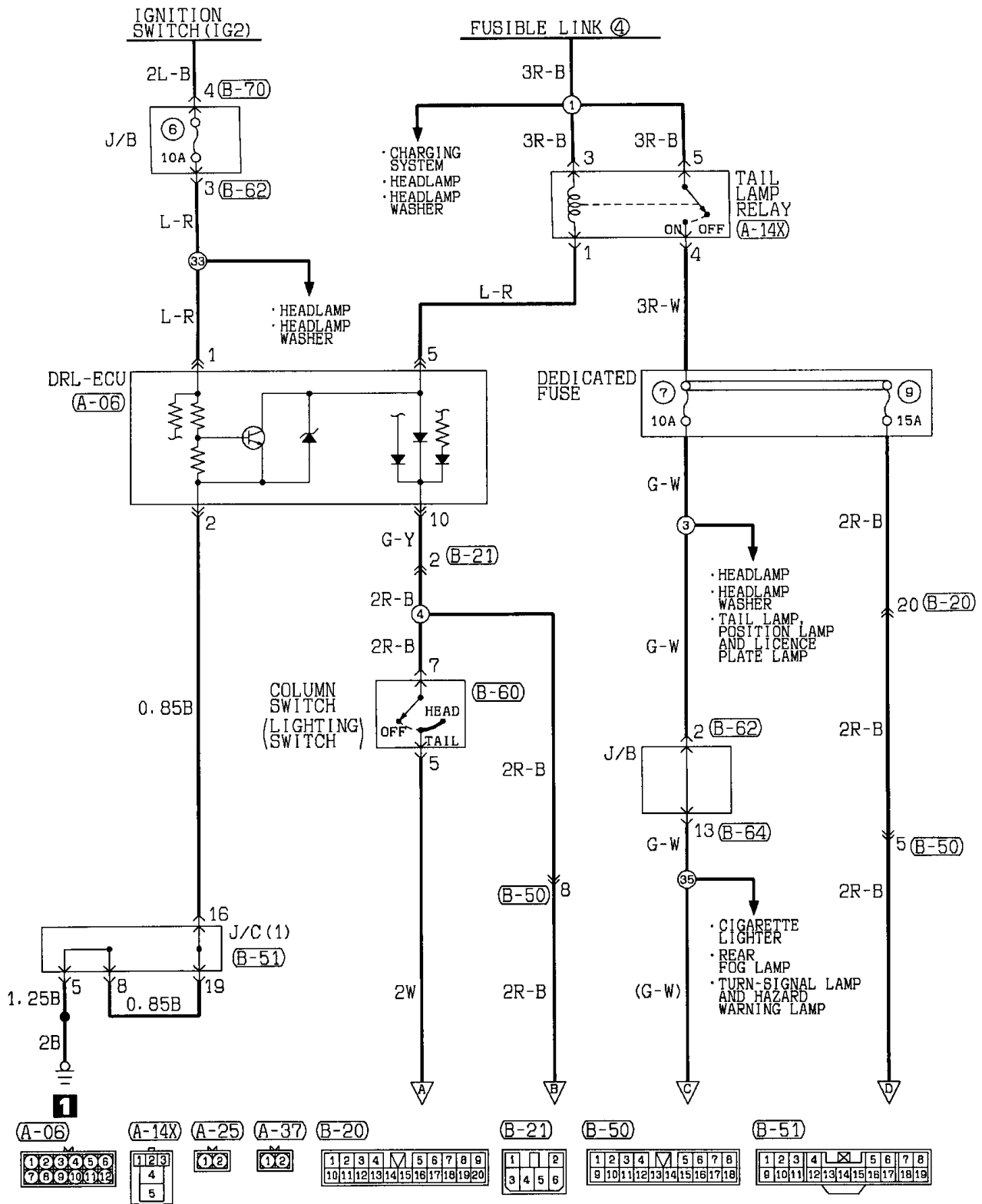
1. No lamp go on.
 - (1) Headlamps do not go on, either.
 - Check fusible link No. (4).
 - (2) Headlamps go on.
 - Check tail lamp relay.
 - Check dedicated fuse No. (7) and No. (8).

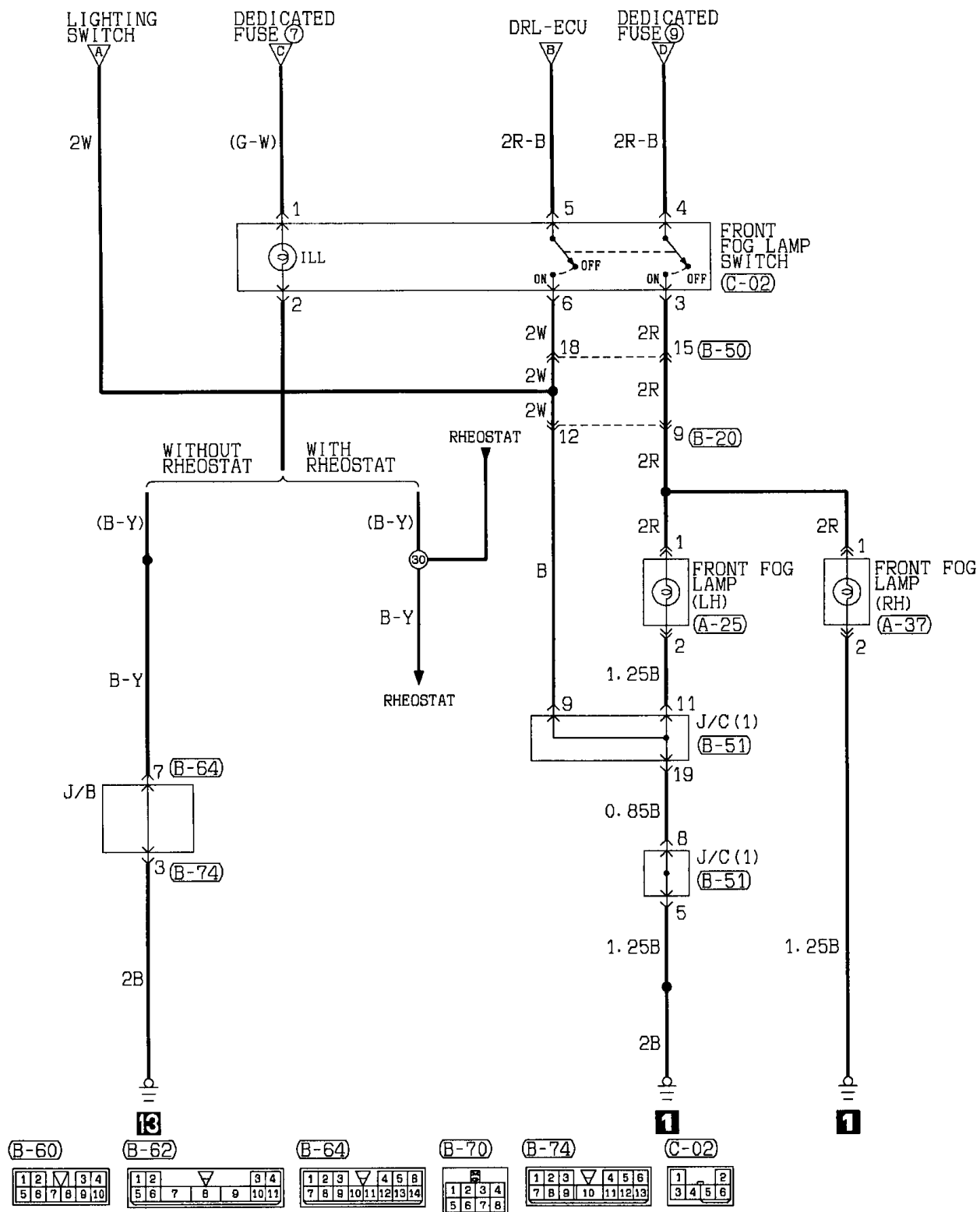
NOTES

FRONT FOG LAMP

90101190075

Vehicles with daytime running lamp

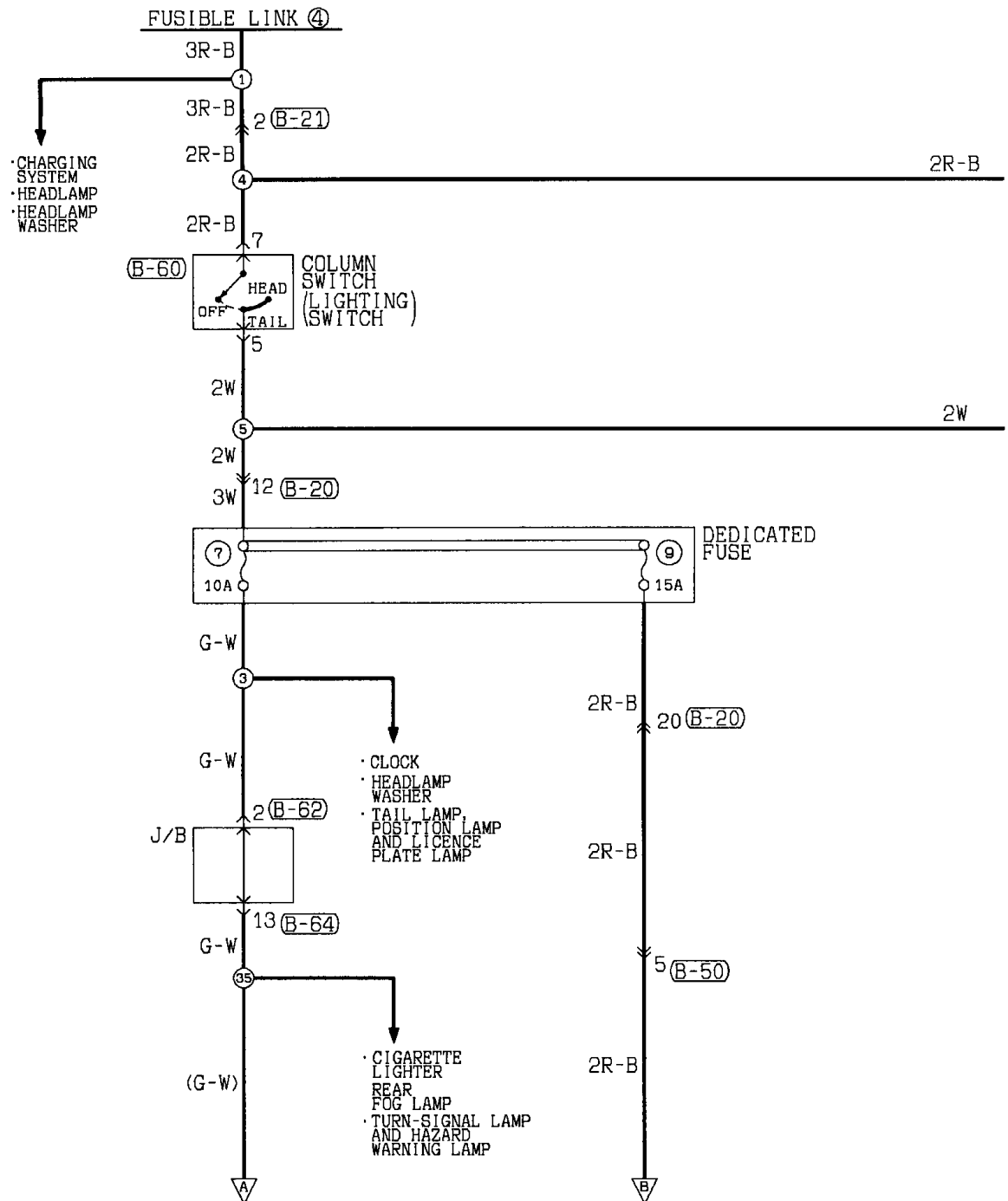




FRONT FOG LAMP

90101190082

L.H. drive vehicles without daytime running lamp



(A-25) (A-37) (B-20)



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

(B-21)

1	2	
3	4	5
6		

(B-50)

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

(B-51)

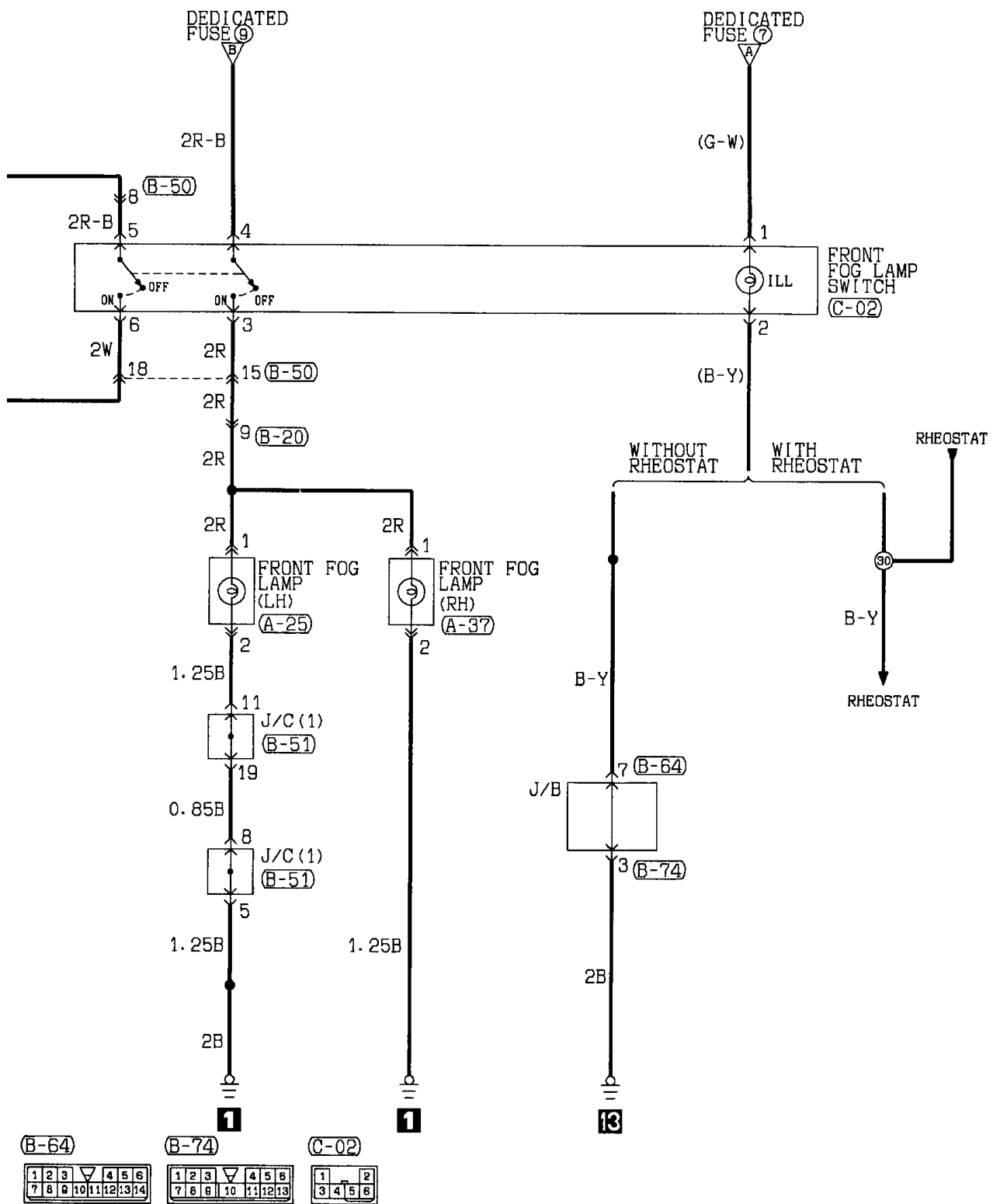
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20							

(B-60)

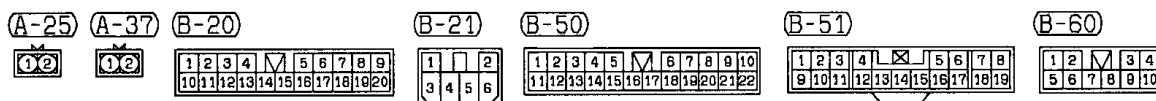
1	2	3	4	
5	6	7	8	9
10				

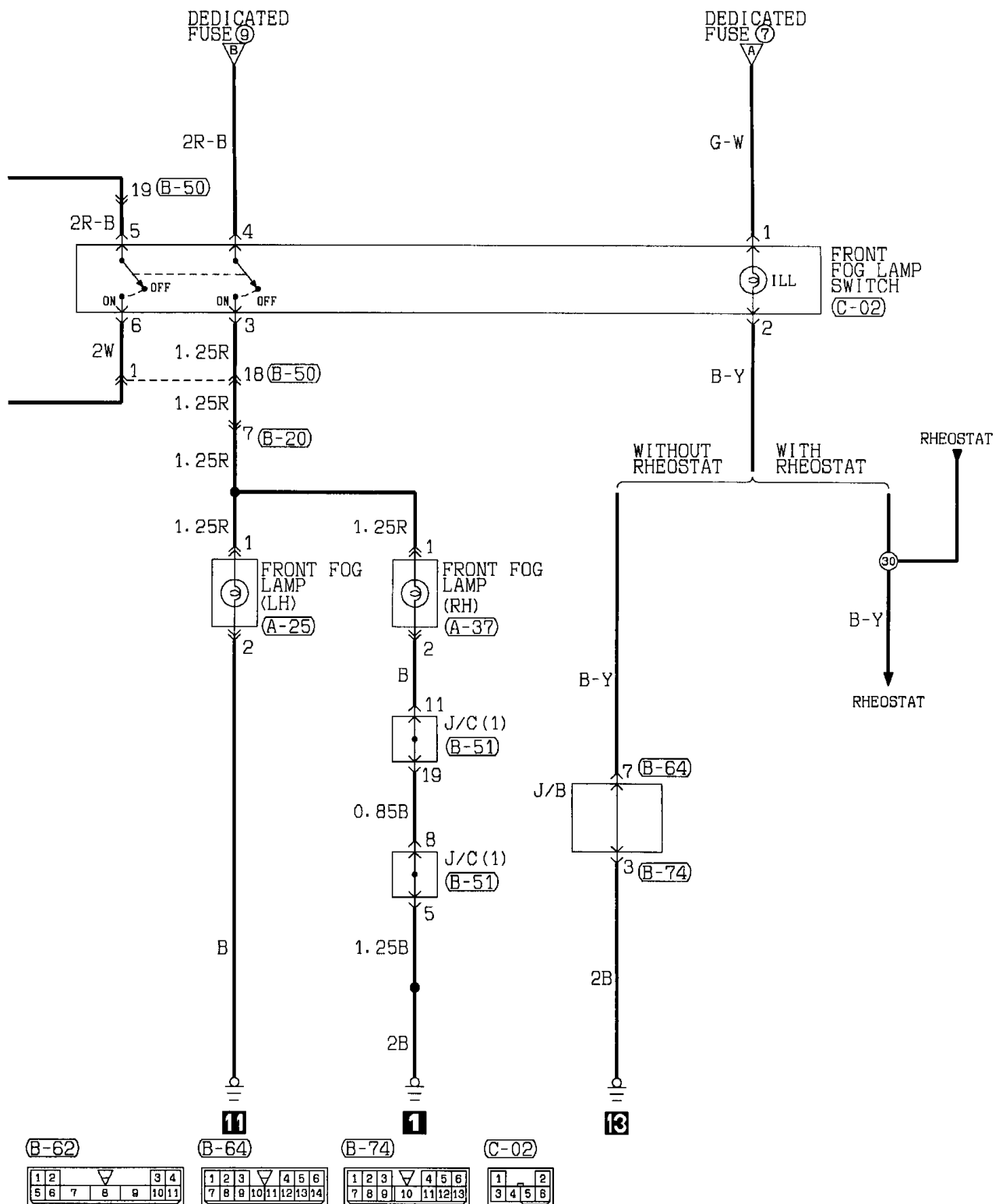
(B-62)

1	2			3	4
5	6	7	8	9	10
11					



90101190099

[illegible]



FRONT FOG LAMP (See P. 4-98, 100, 102.)**OPERATION**

- When the front fog lamp switch is moved to the ON position, current flows through dedicated fuse No. (9) and the front fog lamps illuminate.
- At the same time, current flows through dedicated fuse No. (7) so that the tail lamps, position lamps, licence plate lamp and illumination lamp illuminate in the same way as when the lighting switch is moved to the TAIL position.

TROUBLESHOOTING HINTS

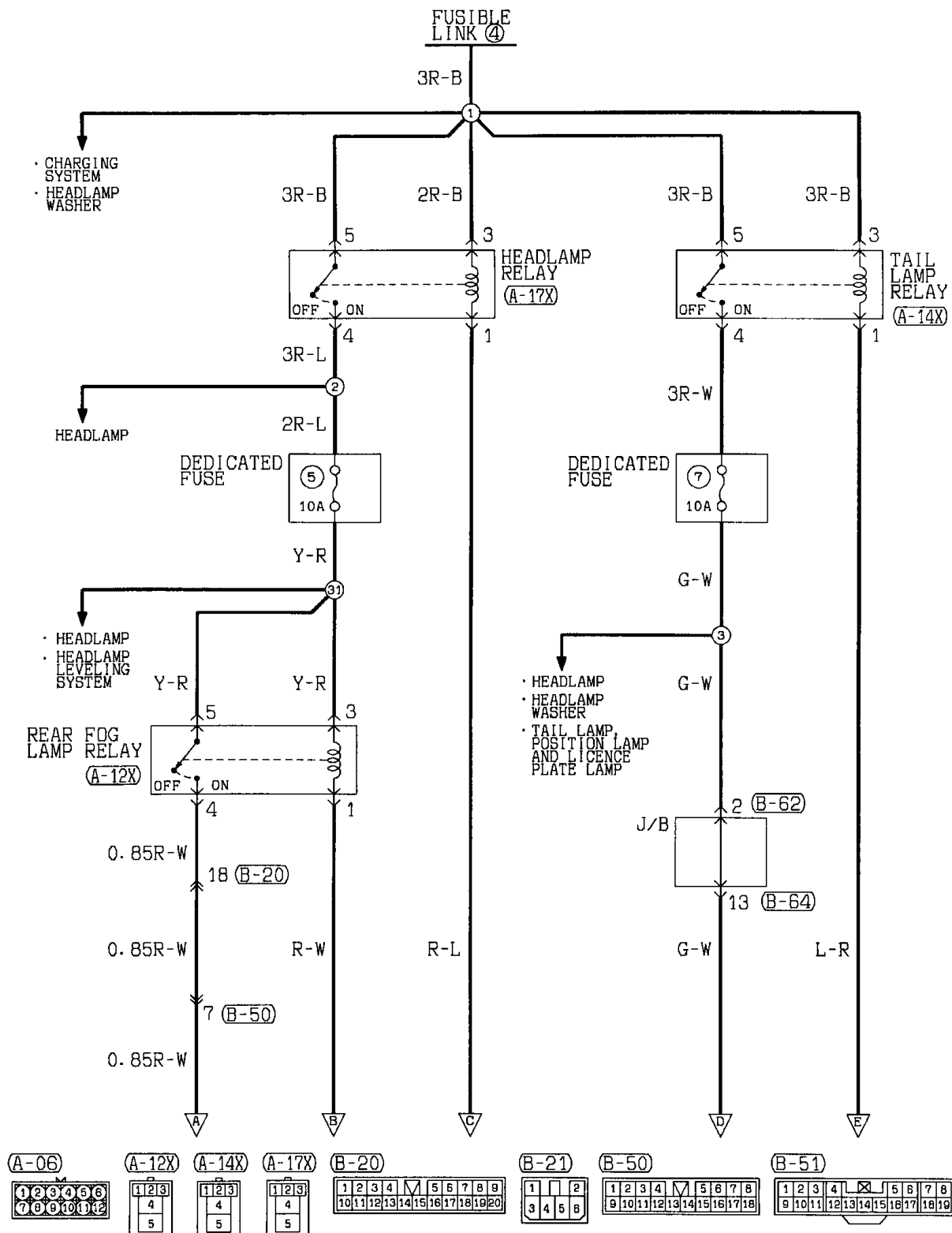
1. The front fog lamp does not illuminate.
 - (1) The tail lamps illuminate.
 - Check dedicated fuse No. (9).
 - Check front fog lamp switch.
 - (2) The tail lamps do not illuminate, either.
 - Check fusible link No. (4).
2. The front fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

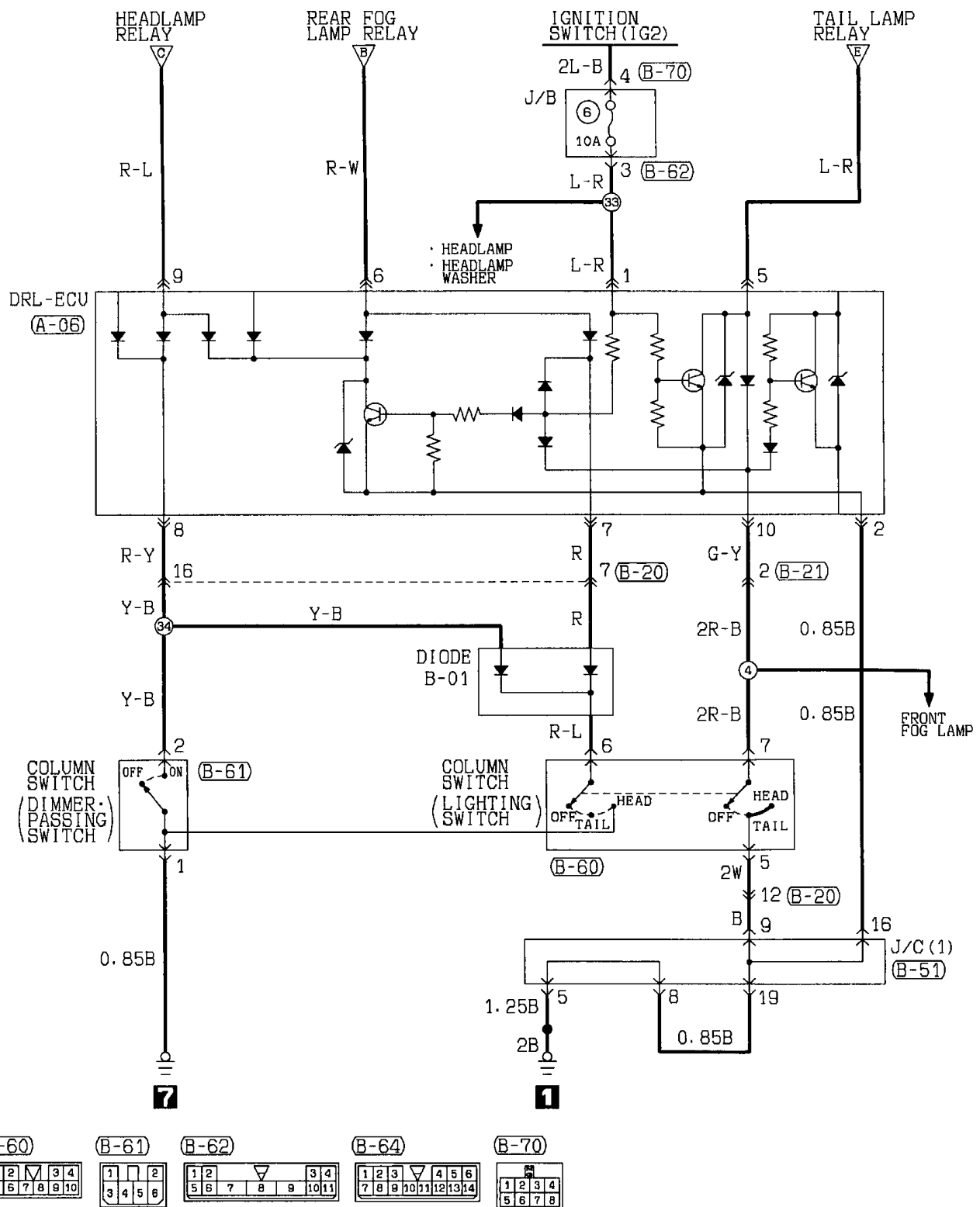
NOTES

REAR FOG LAMP

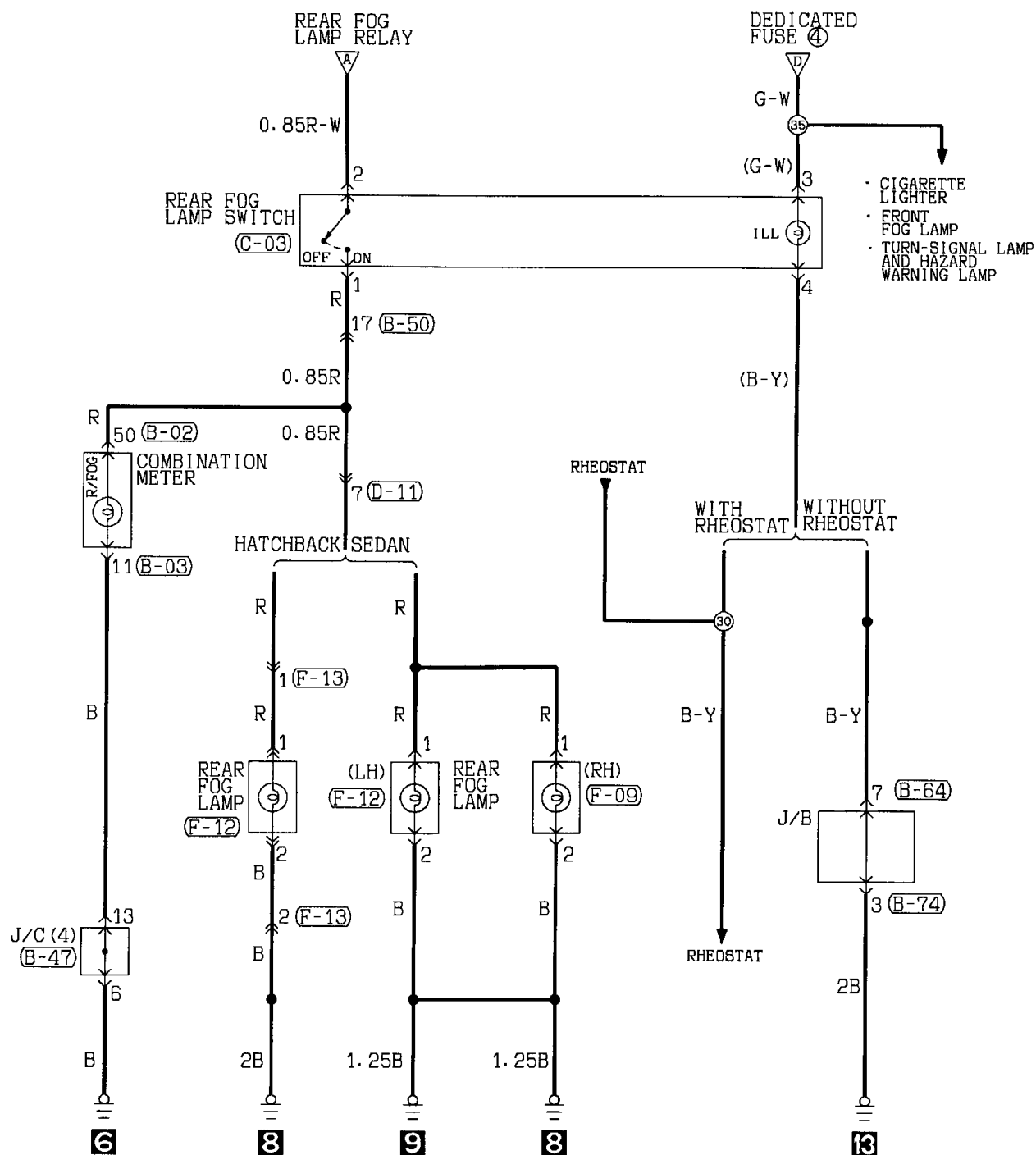
90101200075

Vehicles with daytime running lamp





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



(B-02)

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

(B-03)

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

(B-47)

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

(B-50)

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

(B-64)

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-74)

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)

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

(D-11)

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

(F-09)

1	2
---	---

(F-12)

1	2
---	---

(HATCHBACK) (SEDAN)

1	2
---	---

(F-13)

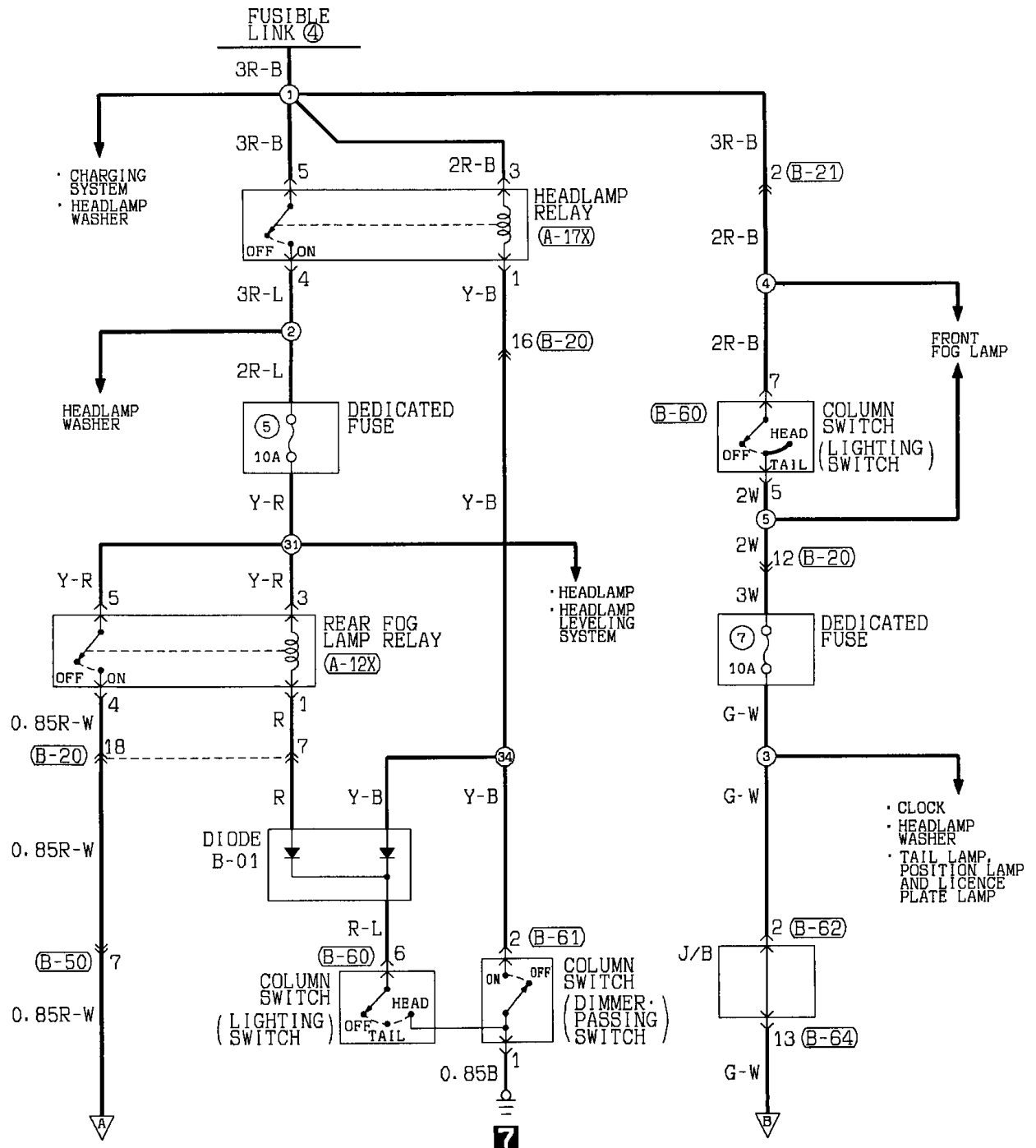
1	2	3
---	---	---

NOTES

REAR FOG LAMP

90101200082

L.H. drive vehicles without daytime running lamp



(A-12X)



(A-17X)



(B-02)



(B-03)



(B-20)



(B-21)



(B-47)



(D-11)



(F-09)

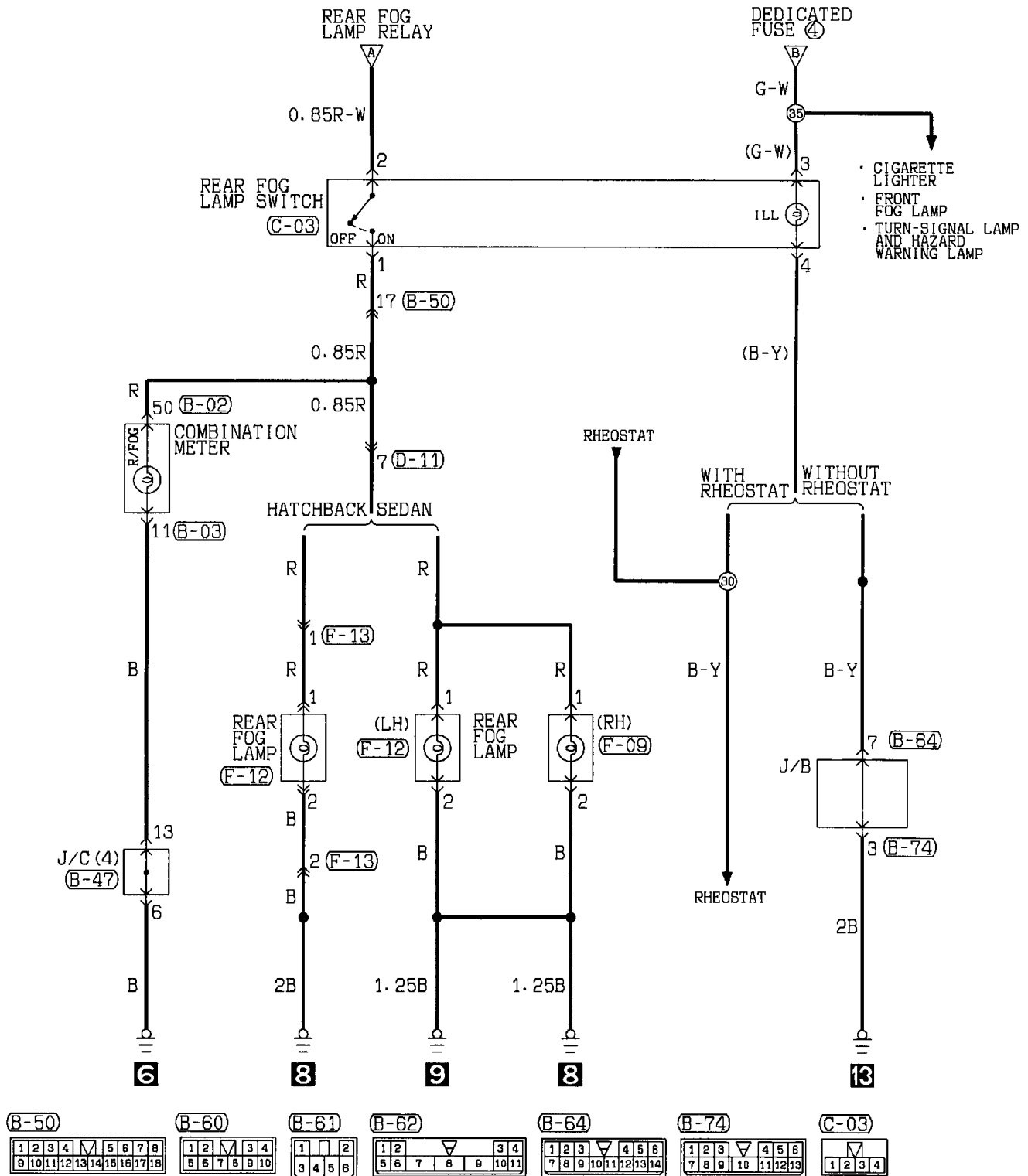


(F-12)



(F-13)

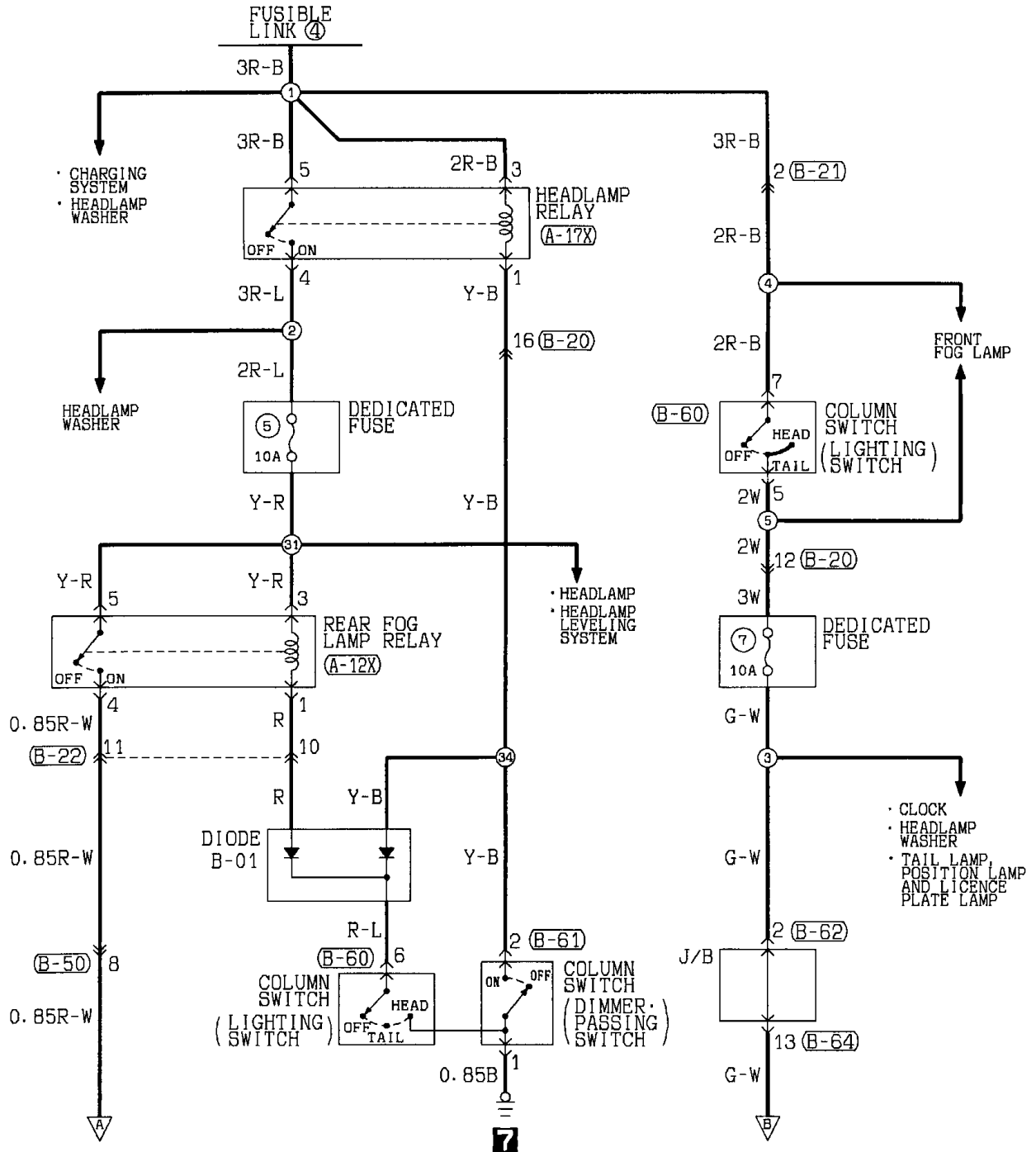




REAR FOG LAMP

90101200099

R.H. drive vehicles



(A-12X)



(A-17X)



(B-02)



(B-03)



(B-20)



(B-21)



(B-22)



(C-03)



(D-11)



(F-09)

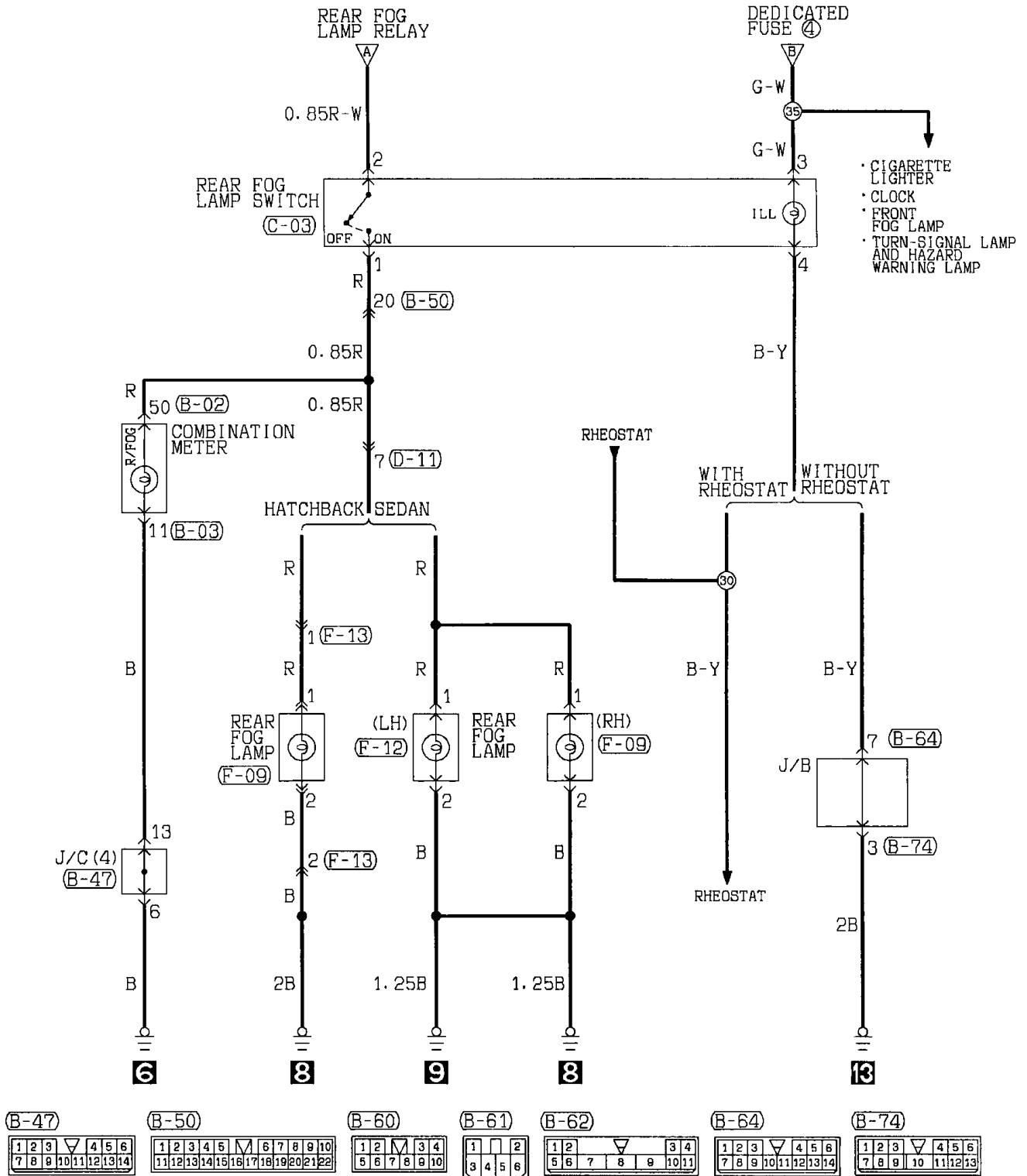


(F-12)



(F-13)





REAR FOG LAMP (See P. 4-106, 110, 112.)**OPERATION**

Rear fog lamp relay activation requirements

<Vehicles without daytime running lamp>

Ignition switch	Lighting switch	Rear fog lamp relay
–	“HEAD”	On

<Vehicles with daytime running lamp>

Ignition switch	Lighting switch	Rear fog lamp relay
–	“HEAD”	On
“ON”	“OFF” or “HEAD”	On

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

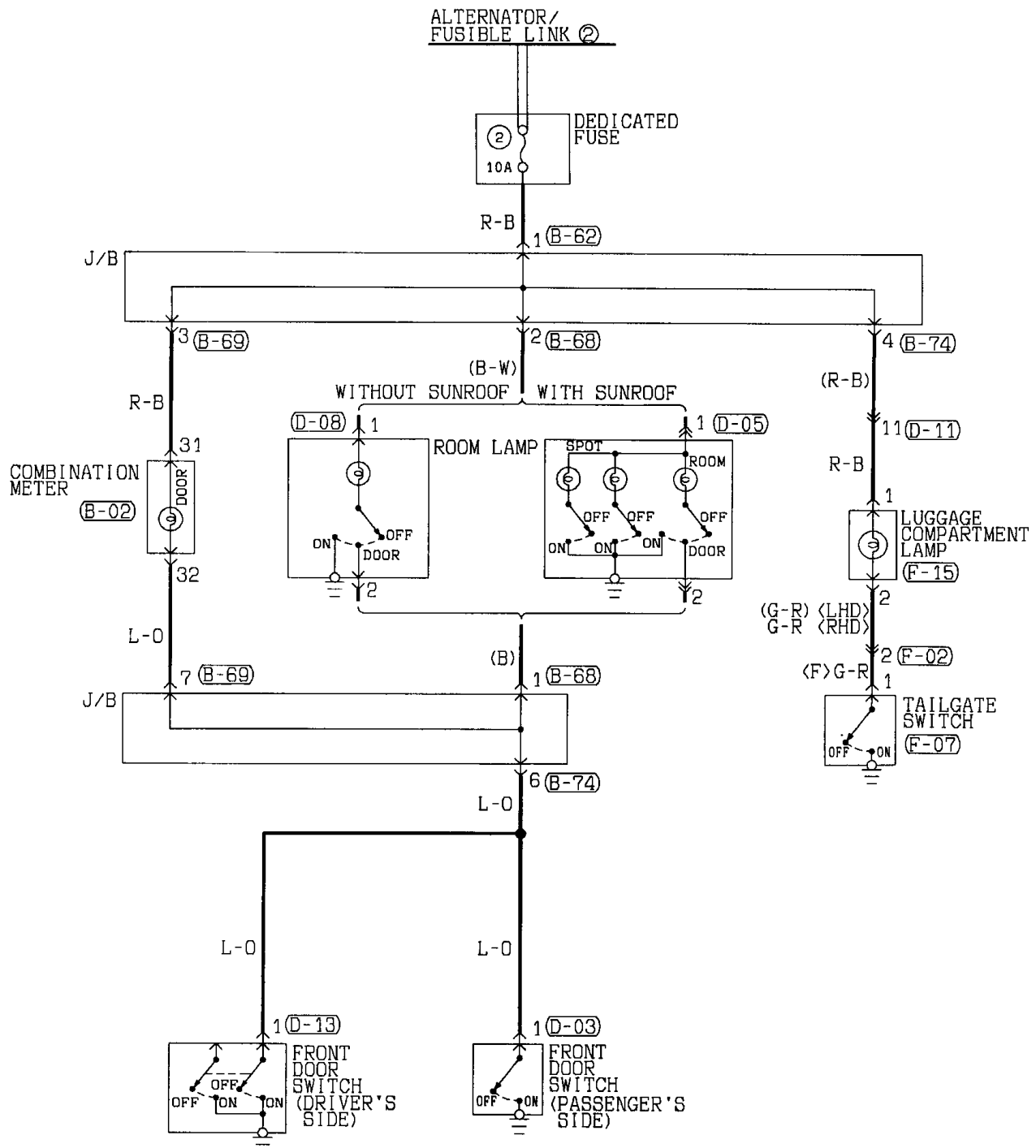
TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
 - (1) Headlamps go on.
 - Check the rear fog lamp relay.
 - Check the rear fog lamp switch.
 - Check the dedicated fuse No. (5).
 - (2) Headlamps do not go on, either.
 - Check the lighting switch.
 - Check the fusible link No. (4).
2. The rear fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

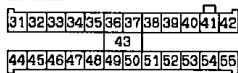
ROOM LAMP AND LUGGAGE COMPARTMENT LAMP

90101320030

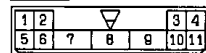
Hatchback



(B-02)



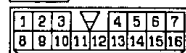
(B-62)



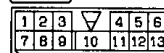
(B-68)



(B-69)



(B-74)



(D-03)



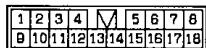
(D-05)



(D-08)



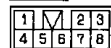
(D-11)



(D-13)



(F-02)



(F-07)



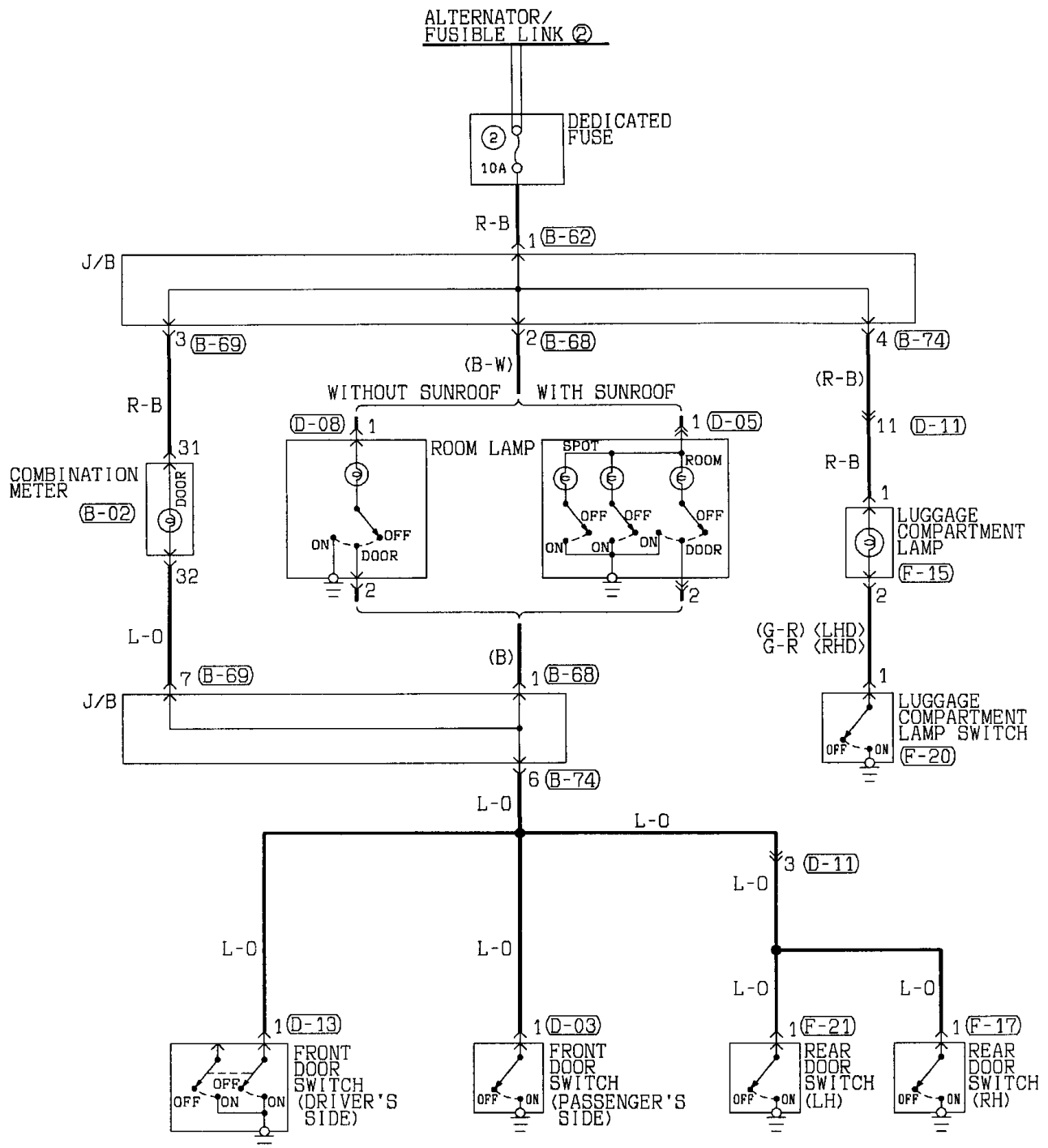
(F-15)



ROOM LAMP AND LUGGAGE COMPARTMENT LAMP

90101320047

Sedan



(B-02)

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

(B-62)

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

(B-68)

1	2
---	---

(B-69)

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

(B-74)

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

(D-03)

1

(D-05)

1	2
---	---

(D-08)

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

(D-11)

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

(D-13)

1	2
---	---

(F-15)

1	2
---	---

(F-17)

1

(F-20)

1

(F-21)

1

ROOM LAMP AND LUGGAGE COMPARTMENT LAMP (See P. 4-115, 116.)**OPERATION****<Room lamp>**

- Placing the room lamp switch in the ON position causes the room lamp to illuminate at all times.
- Opening any one of the doors with the room lamp switch in the DOOR position causes the room lamp to illuminate.
- Closing all doors causes the room lamp to switch off.

<Luggage compartment lamp>

- Battery voltage is being applied at all times to the luggage compartment lamp through the fusible link No. (2) and dedicated fuse No. (2).
- Opening the tailgate or trunk lid turns ON the tailgate switch or luggage compartment lamp switch, causing the luggage compartment lamp to illuminate.

TROUBLESHOOTING HINTS

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

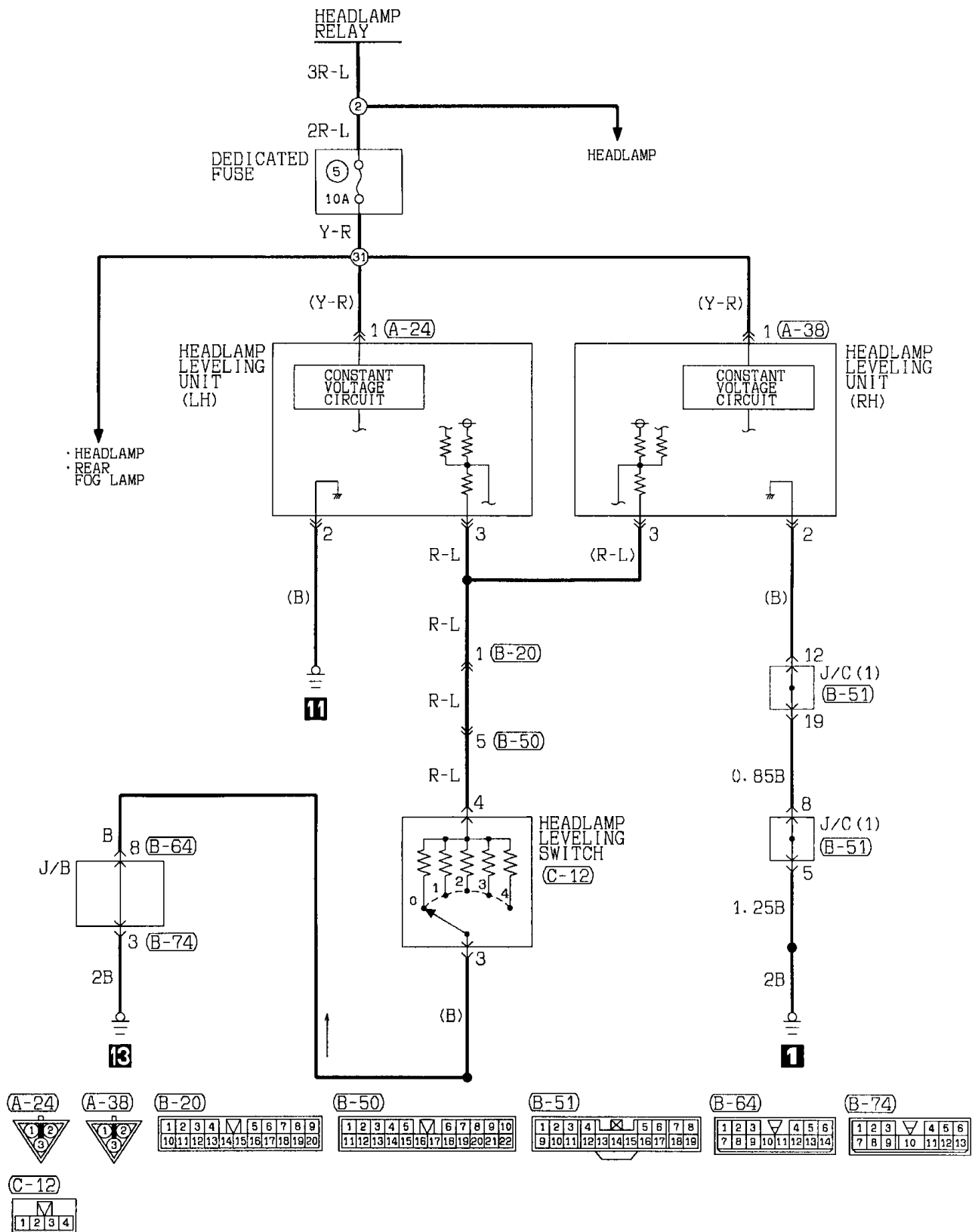
90101250087

[illegible]

HEADLAMP LEVELING SYSTEM

90101250094

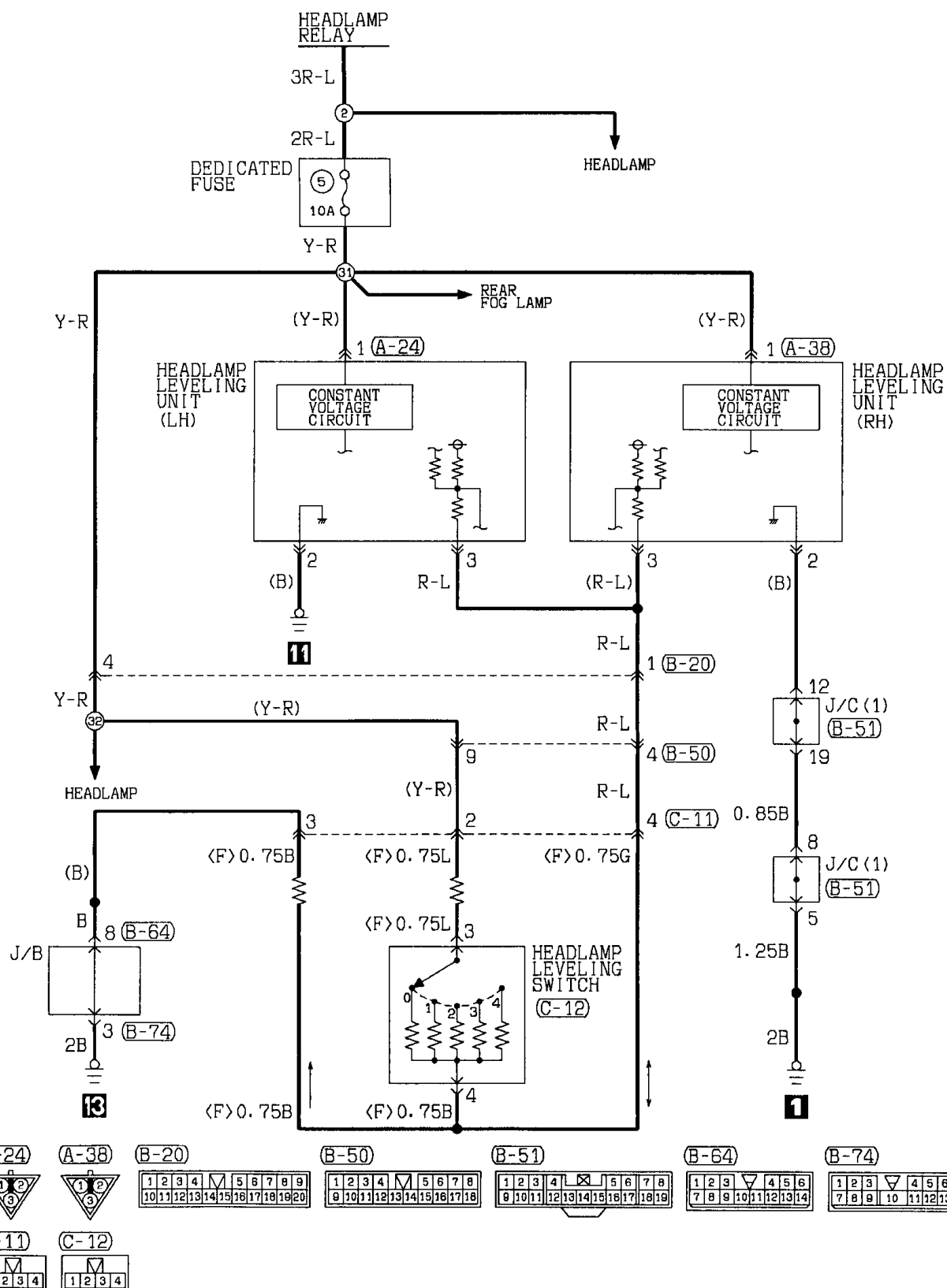
Hatchback <R.H. drive vehicles>



HEADLAMP LEVELING SYSTEM

90101250100

Sedan <L.H. drive vehicles>



90101250117

The diagram illustrates the electrical circuit for the headlamp system. Key components and their connections include:

- HEADLAMP RELAY:** Connected to the 3R-L line, which branches into 2R-L and Y-R.
- DEDICATED FUSE:** A 10A fuse connected to the 2R-L line, leading to the HEADLAMP.
- REAR FOG LAMP:** Connected to the Y-R line via a (Y-R) connection.
- HEADLAMP LEVELING UNIT (LH) and (RH):** Each unit contains a CONSTANT VOLTAGE CIRCUIT. The LH unit is connected to the Y-R line via a (Y-R) connection and a 1 (A-24) connection. The RH unit is connected to the Y-R line via a (Y-R) connection and a 1 (A-38) connection.
- HEADLAMP LEVELING SWITCH (C-12):** A switch with four positions (0, 1, 2, 3, 4) that controls the headlamp leveling units. It is connected to the Y-R line via a (Y-R) connection and a 11 connection.
- Wiring Details:** The diagram shows various wiring paths, including (Y-R), (B), (R-L), and (F) 0.75B/L/G. It also includes junctions (J/B, J/C) and components like B-64, B-74, C-11, and C-12.

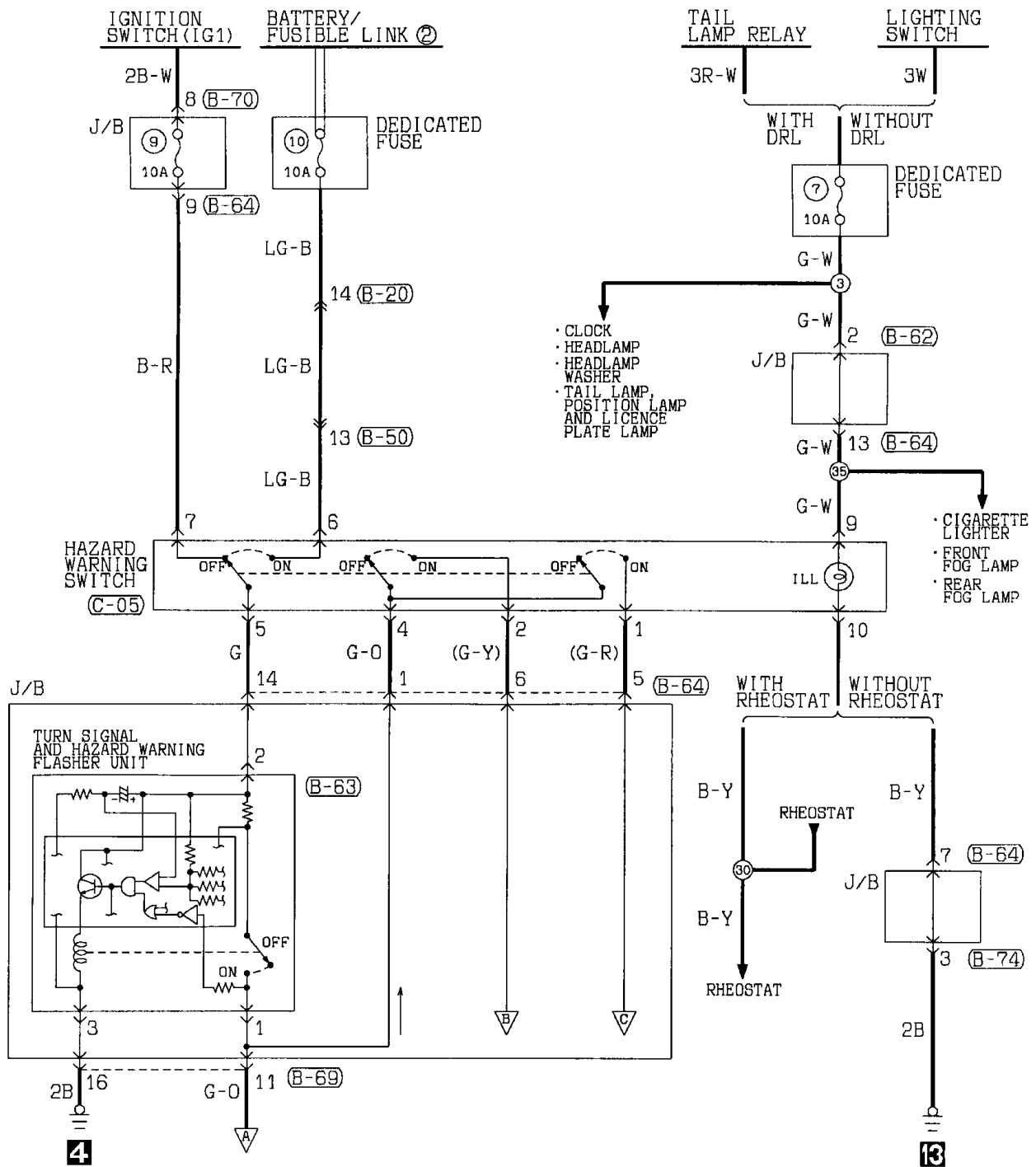
Legend:

- (A-24):** A 2-position switch with positions 1 and 2.
- (A-38):** A 2-position switch with positions 1 and 2.
- (B-20):** A 10-position switch with positions 1 through 10.
- (B-50):** A 10-position switch with positions 1 through 10.
- (B-51):** A 10-position switch with positions 1 through 10.
- (B-64):** A 10-position switch with positions 1 through 10.
- (B-74):** A 10-position switch with positions 1 through 10.
- (C-11):** A 10-position switch with positions 1 through 10.
- (C-12):** A 10-position switch with positions 1 through 10.

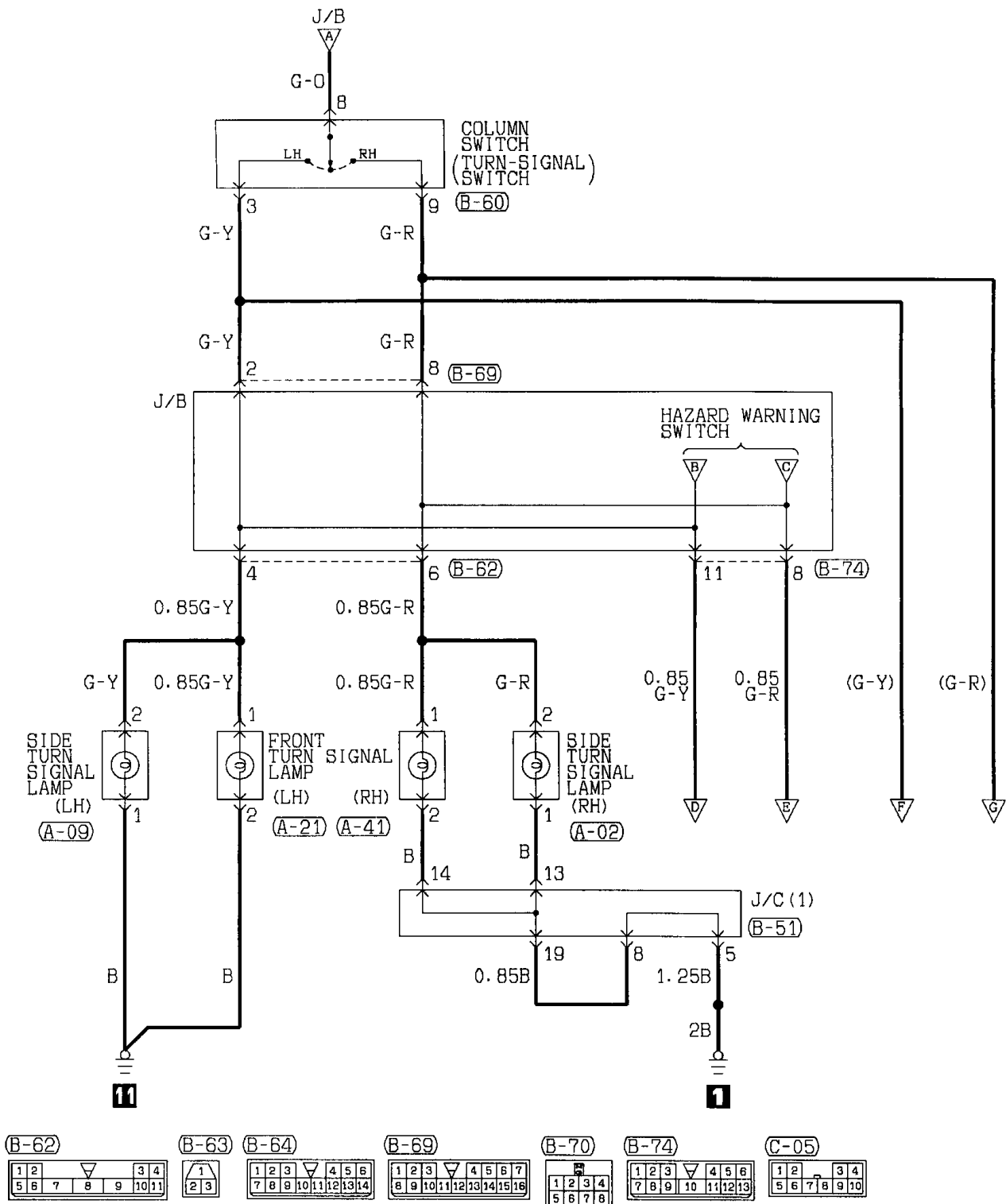
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290110

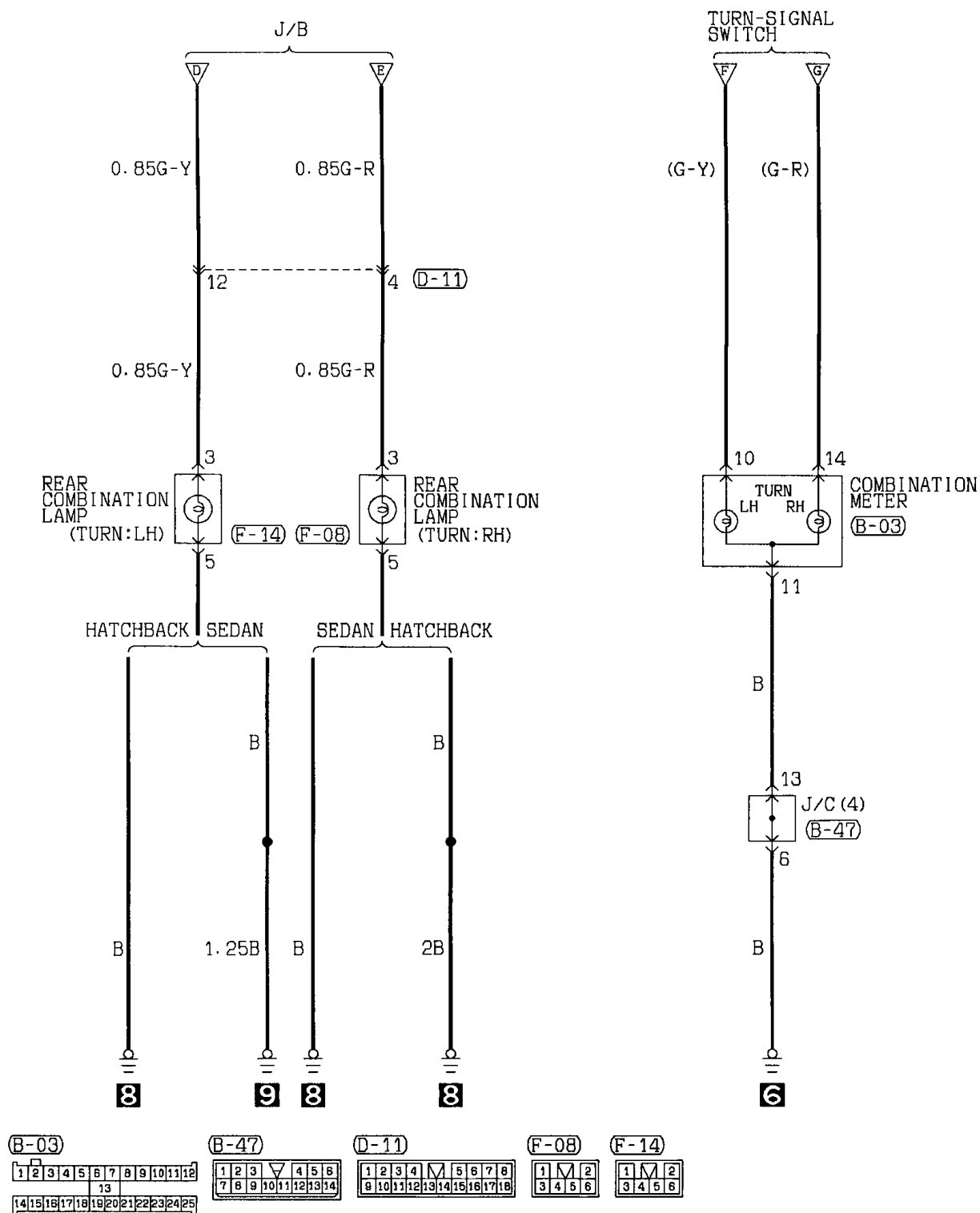
L.H. drive vehicles



A-02	A-09	A-21	A-41	B-20	B-50	B-51	B-60
1 2	1 2	1 2	1 2	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	1 2 3 4 5 6 7 8 9 10



TURN-SIGNAL LAMP AND HAZARD WARNING LAMP <L.H. drive vehicles> (CONTINUED)

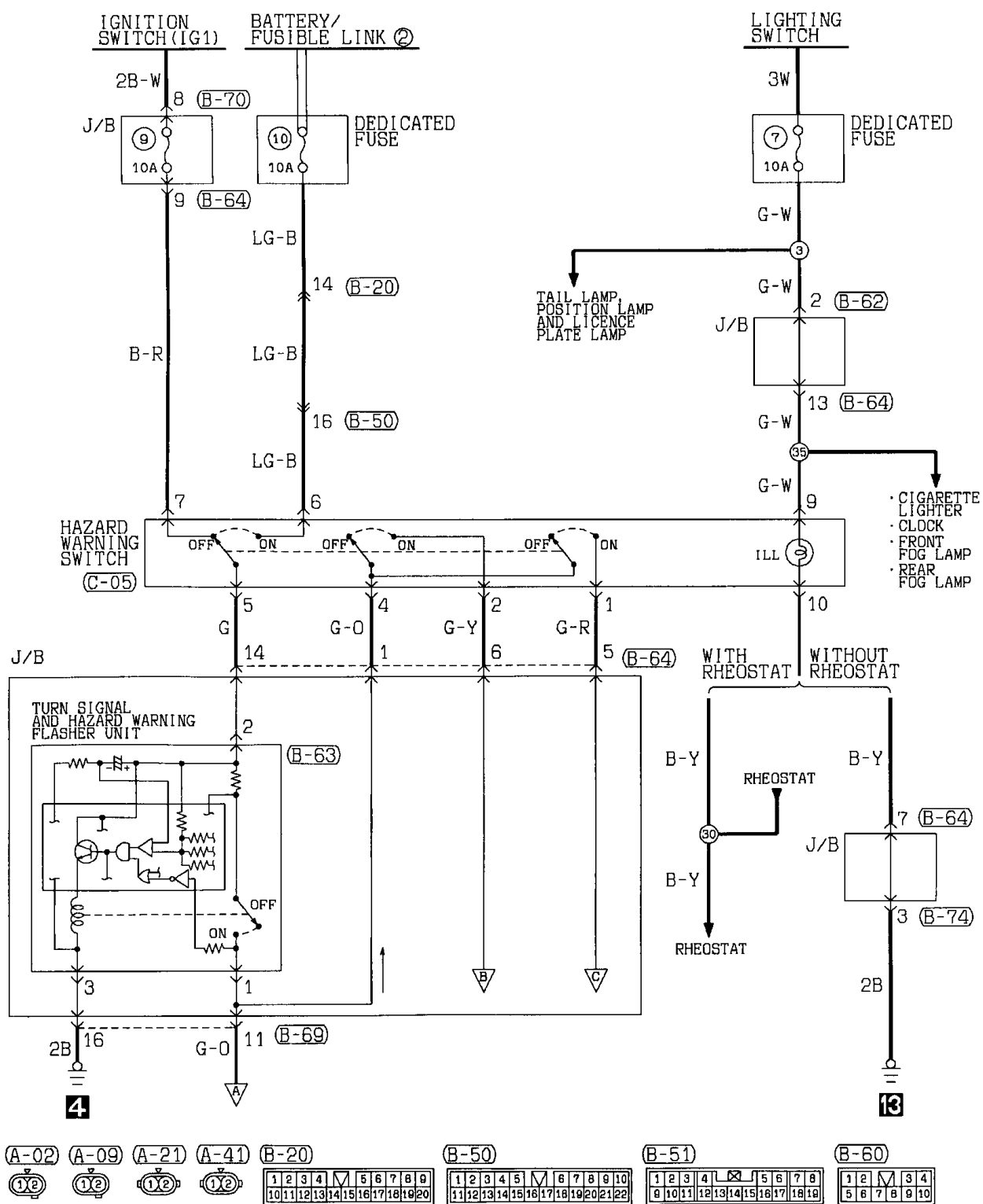


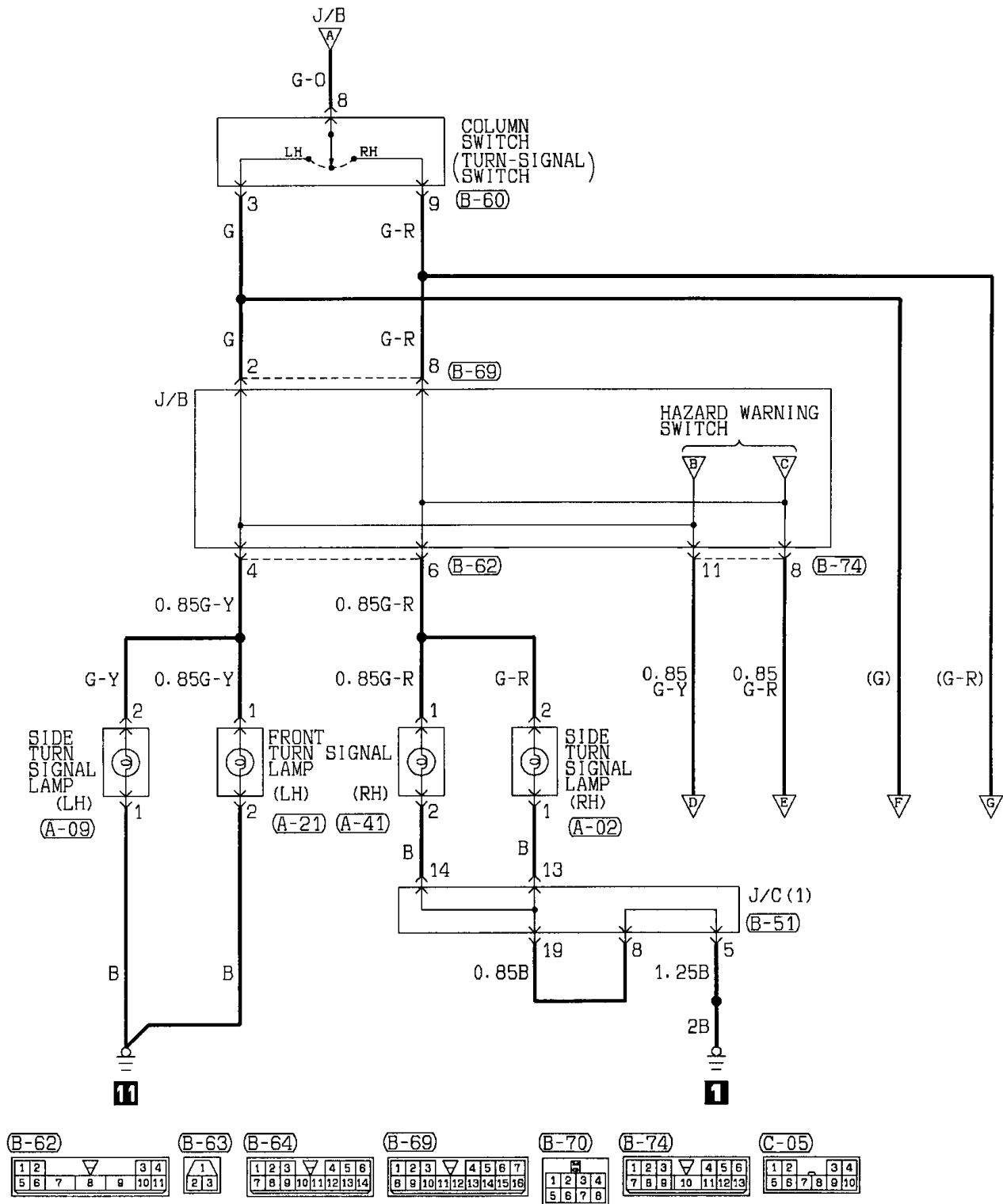
NOTES

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

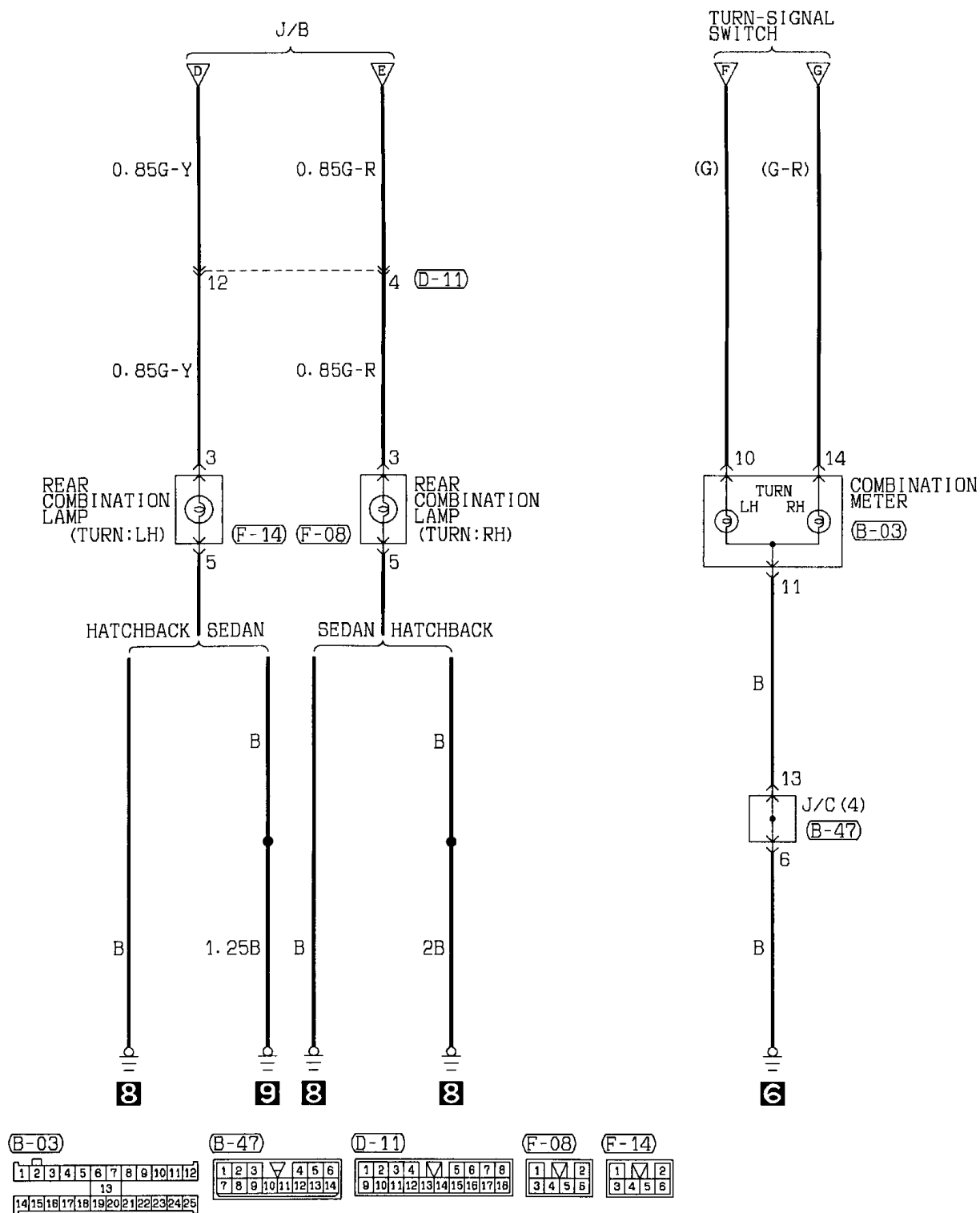
90100290127

R.H. drive vehicles





TURN-SIGNAL LAMP AND HAZARD WARNING LAMP <R.H. drive vehicles> (CONTINUED)



TURN-SIGNAL LAMP AND HAZARD WARNING LAMP (See P. 4-122, 126.)**OPERATION****<Turn-signal lamp>****1. In standard operating condition**

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

2. When one bulb is burnt

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

<Hazard warning lamp>

- When the hazard warning switch is turned to the "ON" position, current flows via dedicated fuse No. (10) to the flasher unit, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

Remark

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

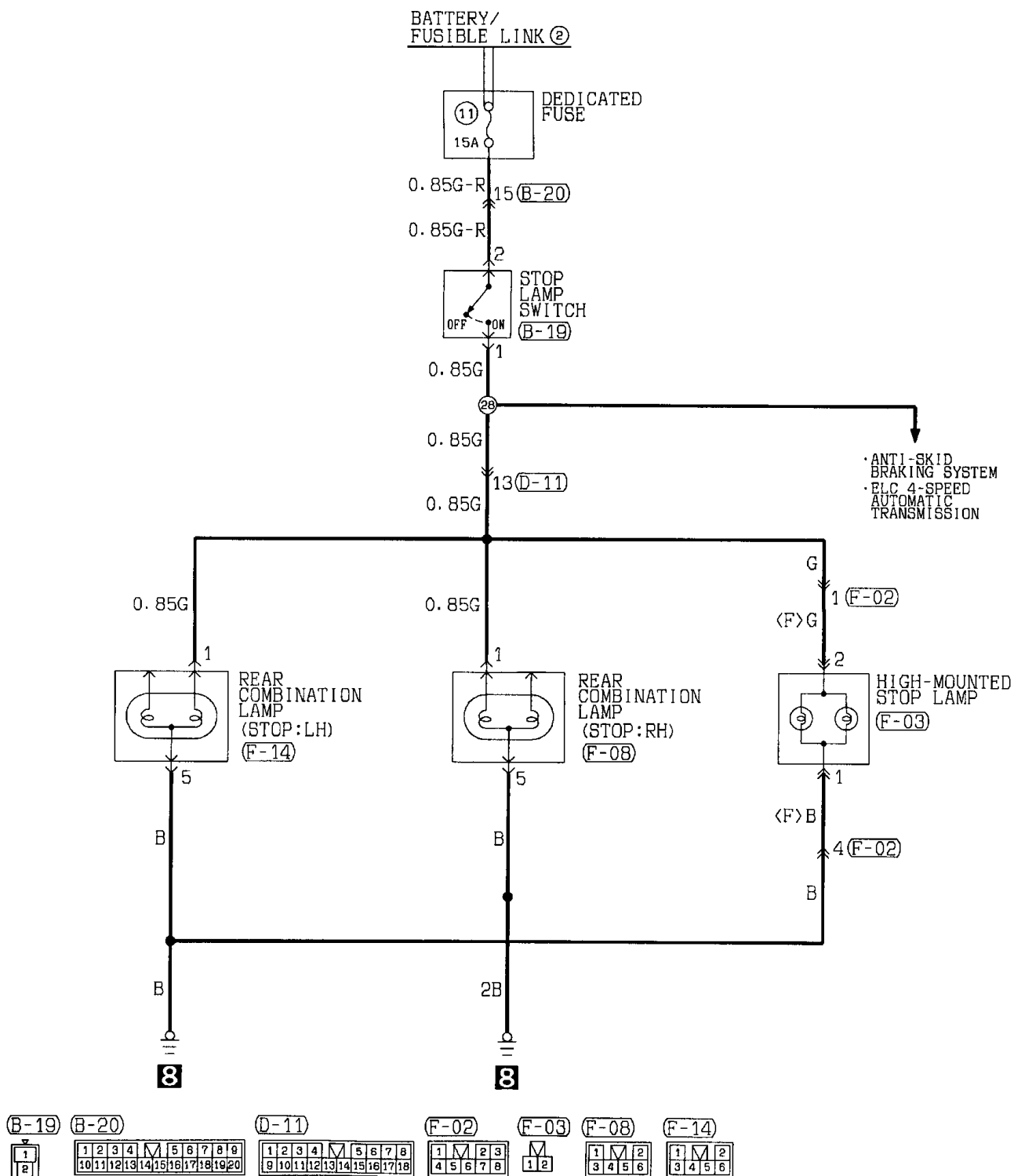
TROUBLESHOOTING HINTS

1. Neither the turn-signal lamp nor hazard warning lamps operate.
 - Check hazard warning switch contacts (on power source end).
 - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate. Hazard warning lamp is fully operational.
 - Check turn-signal switch.
3. Flashing cycle of turn signal lamps is shorter.
 - Check the lamp bulb.
 - Check flasher unit.
4. Hazard warning lamp does not operate. Turn-signal lamps are operational.
 - Check dedicated fuse No. (10).
 - Check hazard warning switch contacts (on hazard lamp end).

STOP LAMP

9010030012

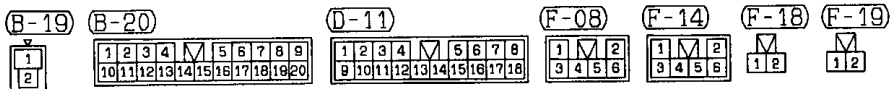
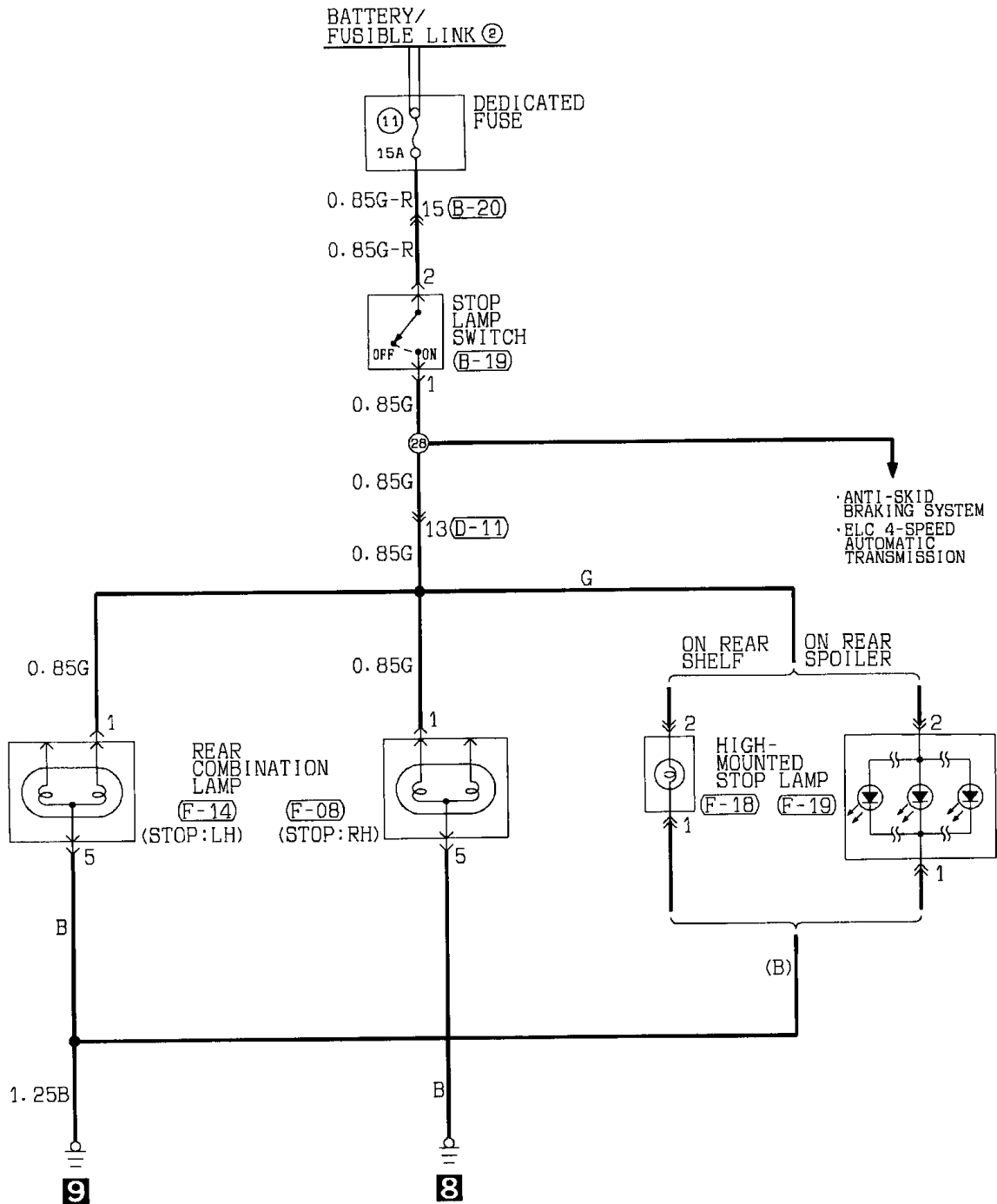
Hatchback



STOP LAMP

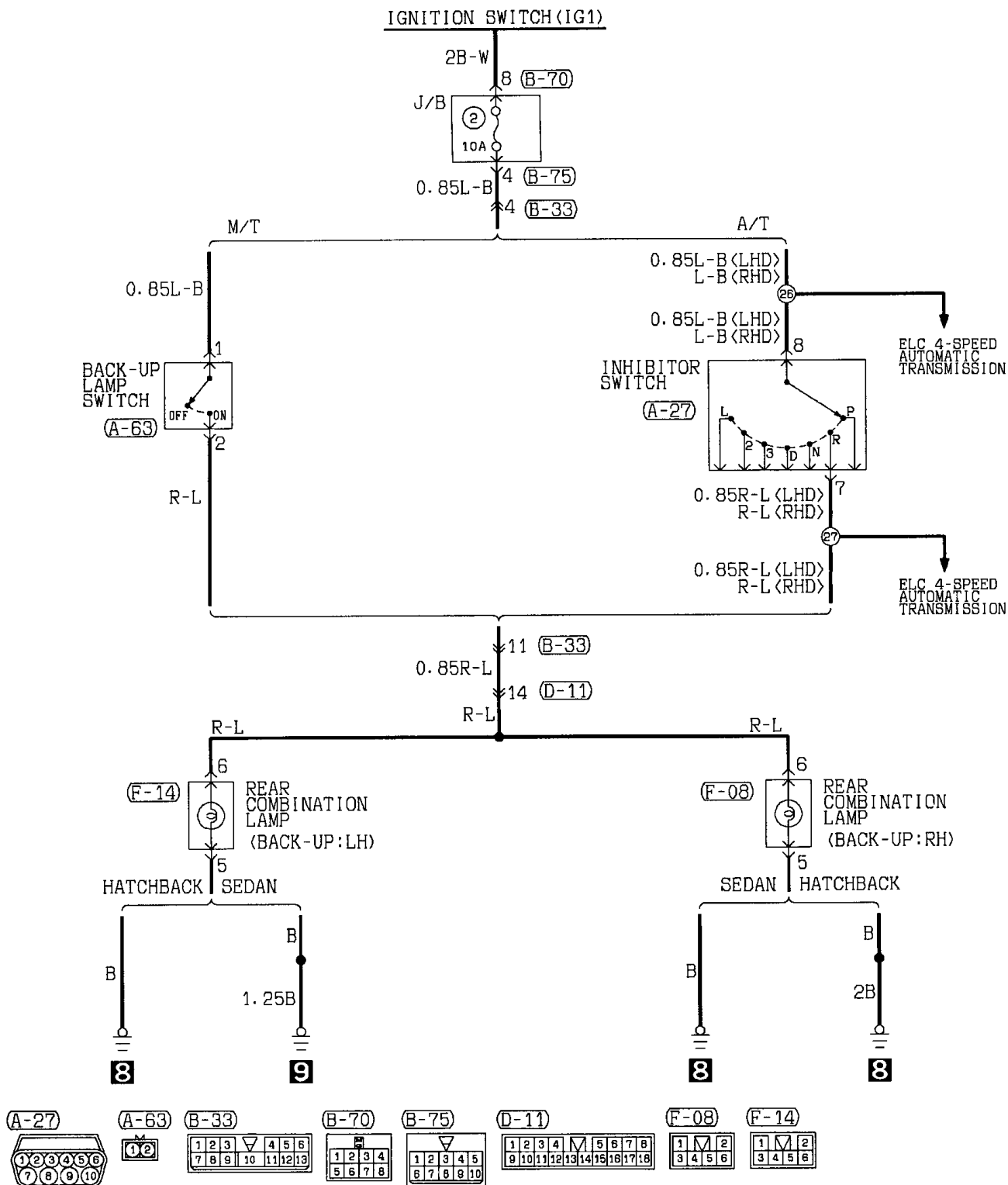
90100300134

Sedan



BACK-UP LAMP

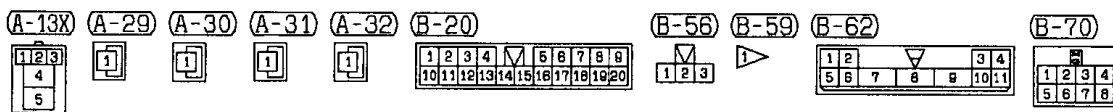
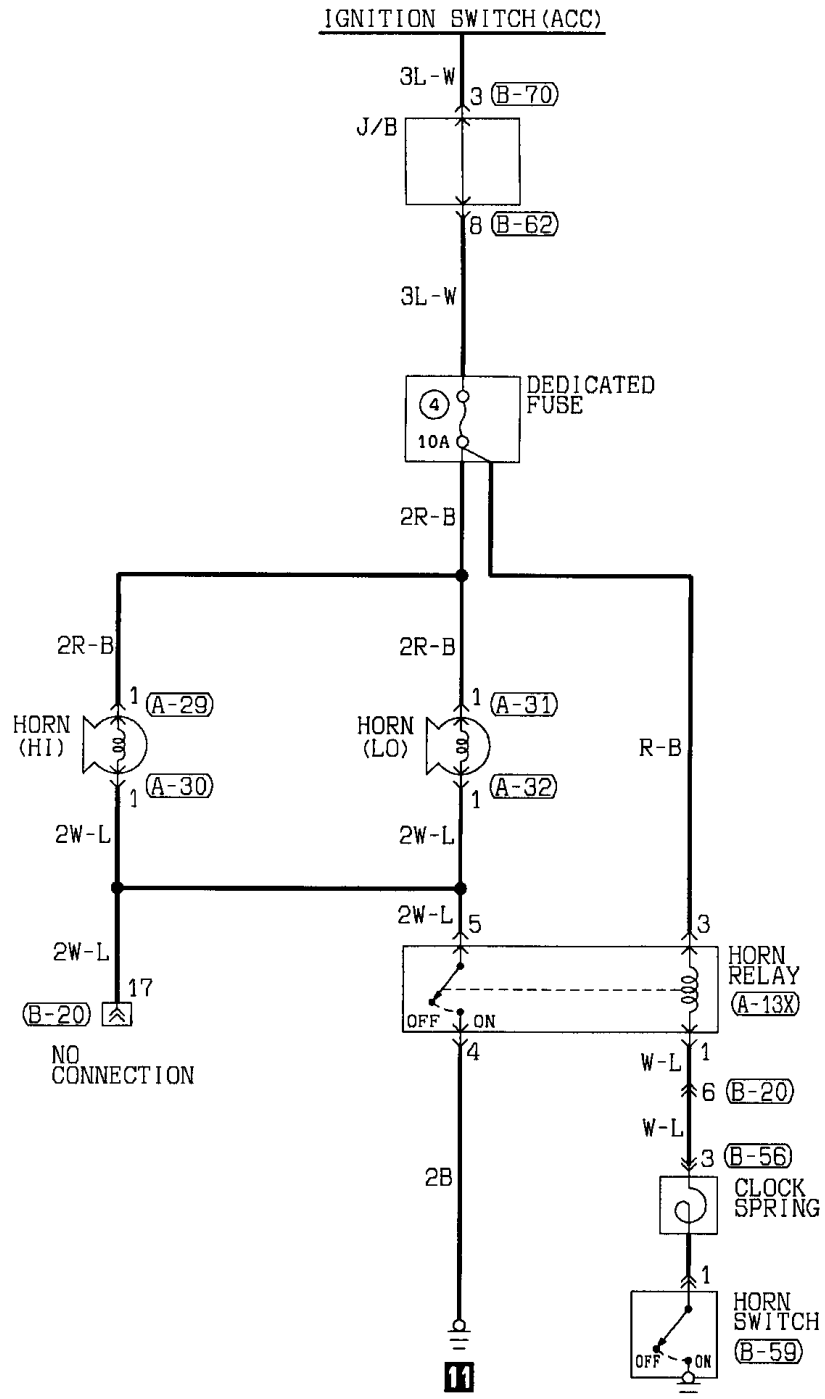
90100310151



HORN

90100330126

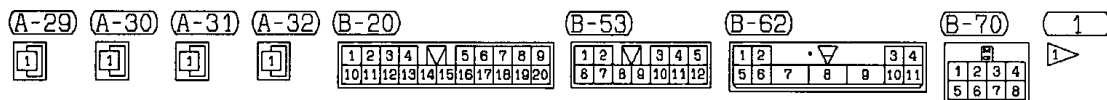
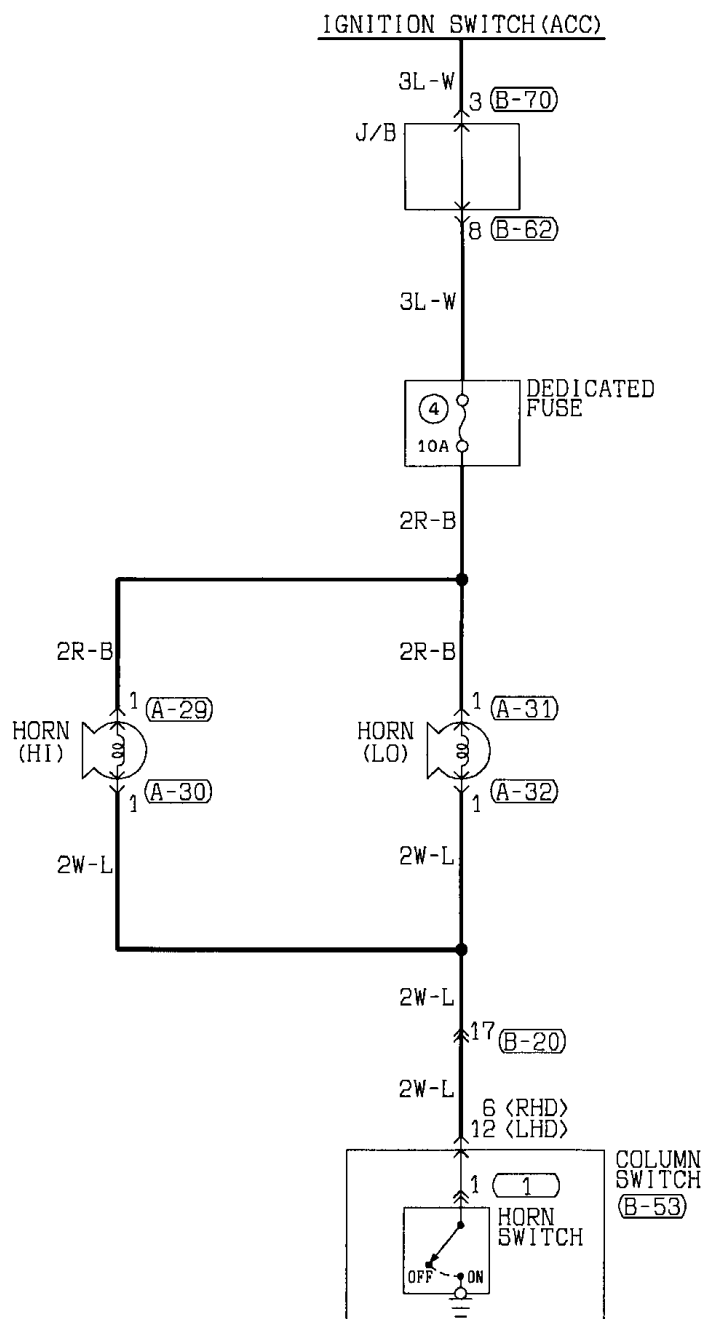
Vehicles with SRS



HORN

90100330133

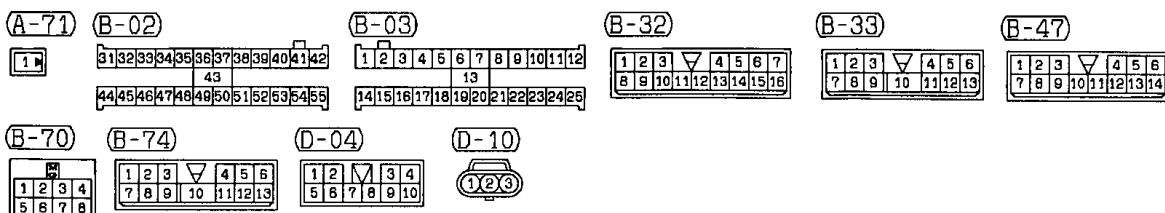
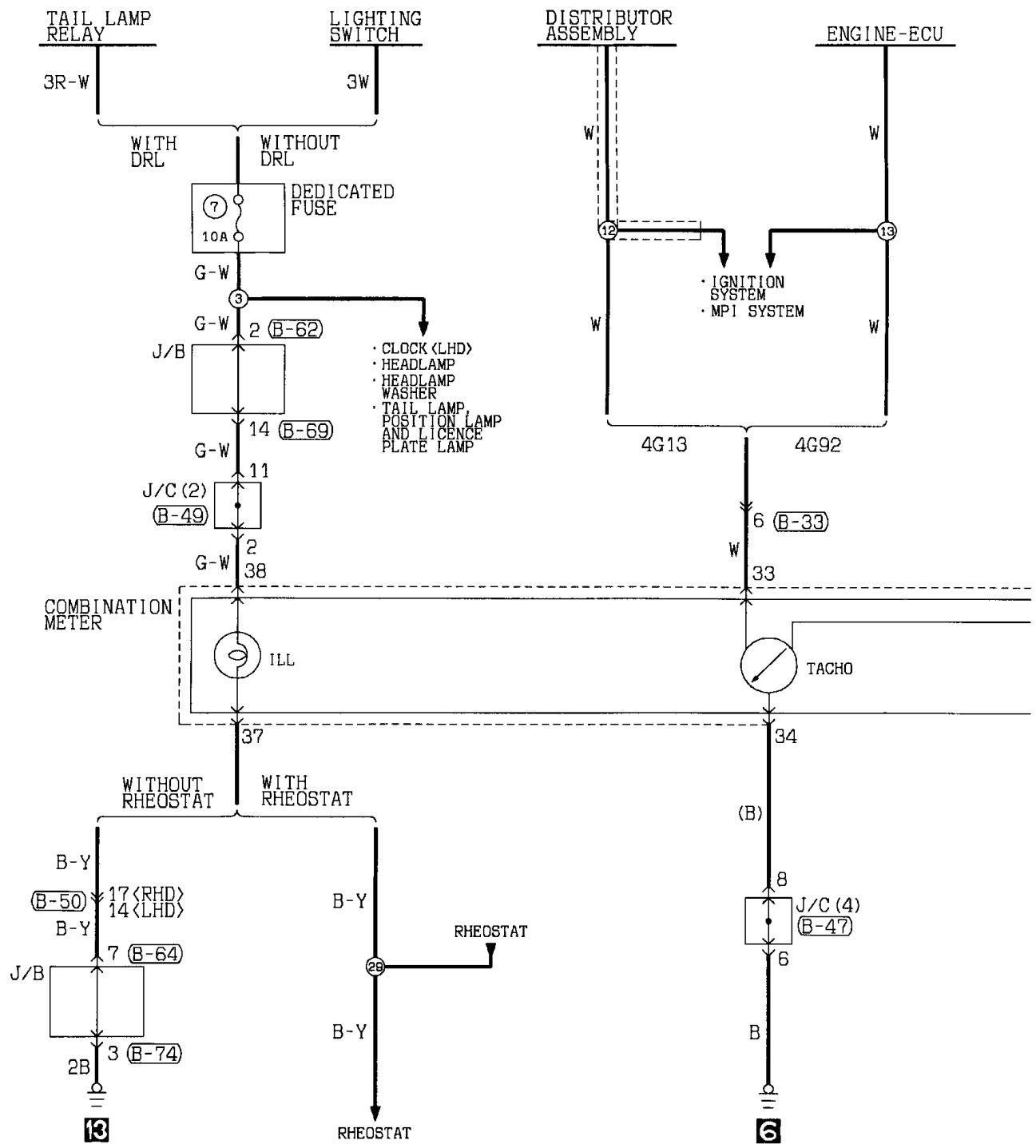
Vehicles without SRS



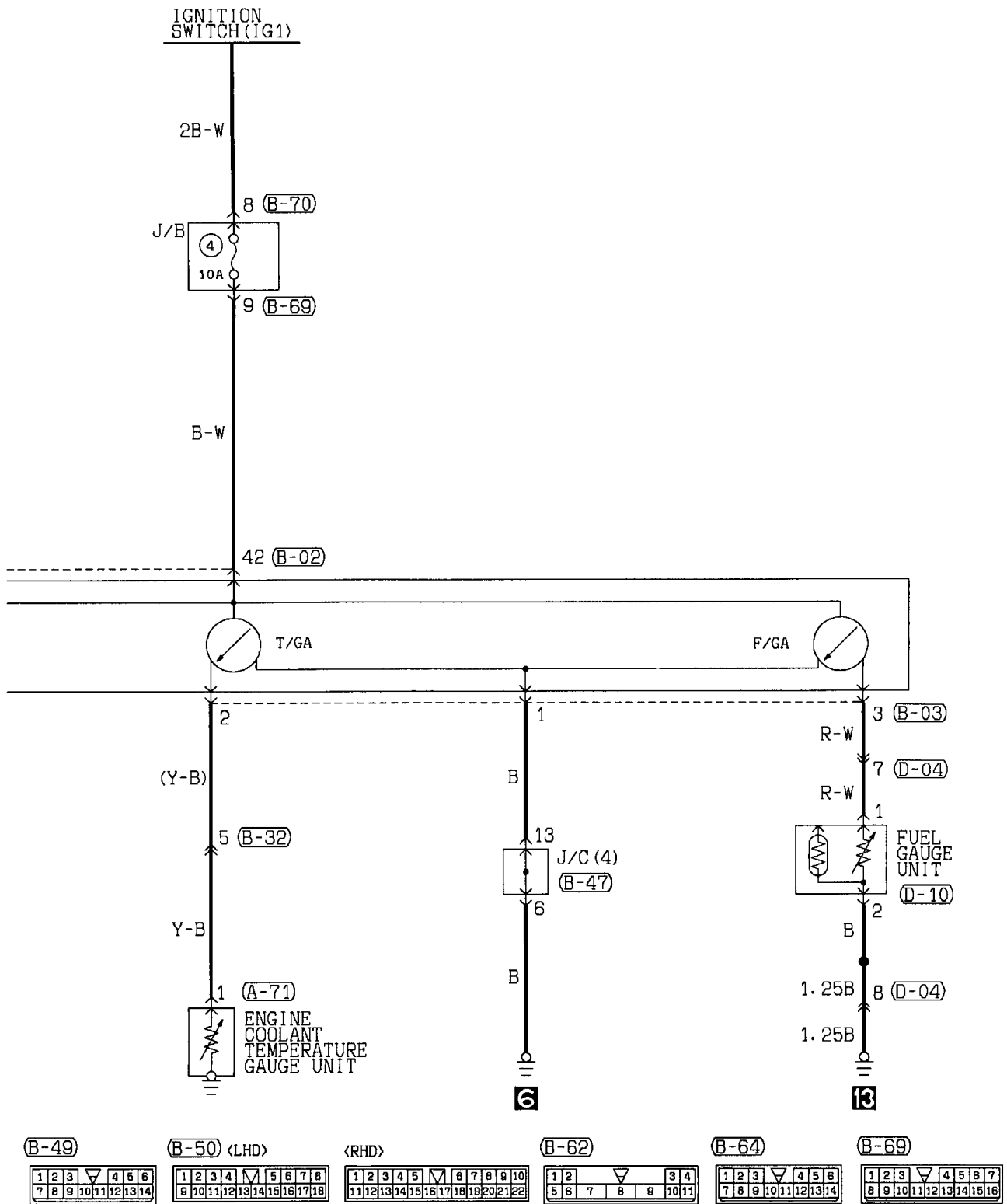
NOTES

METER AND GAUGE

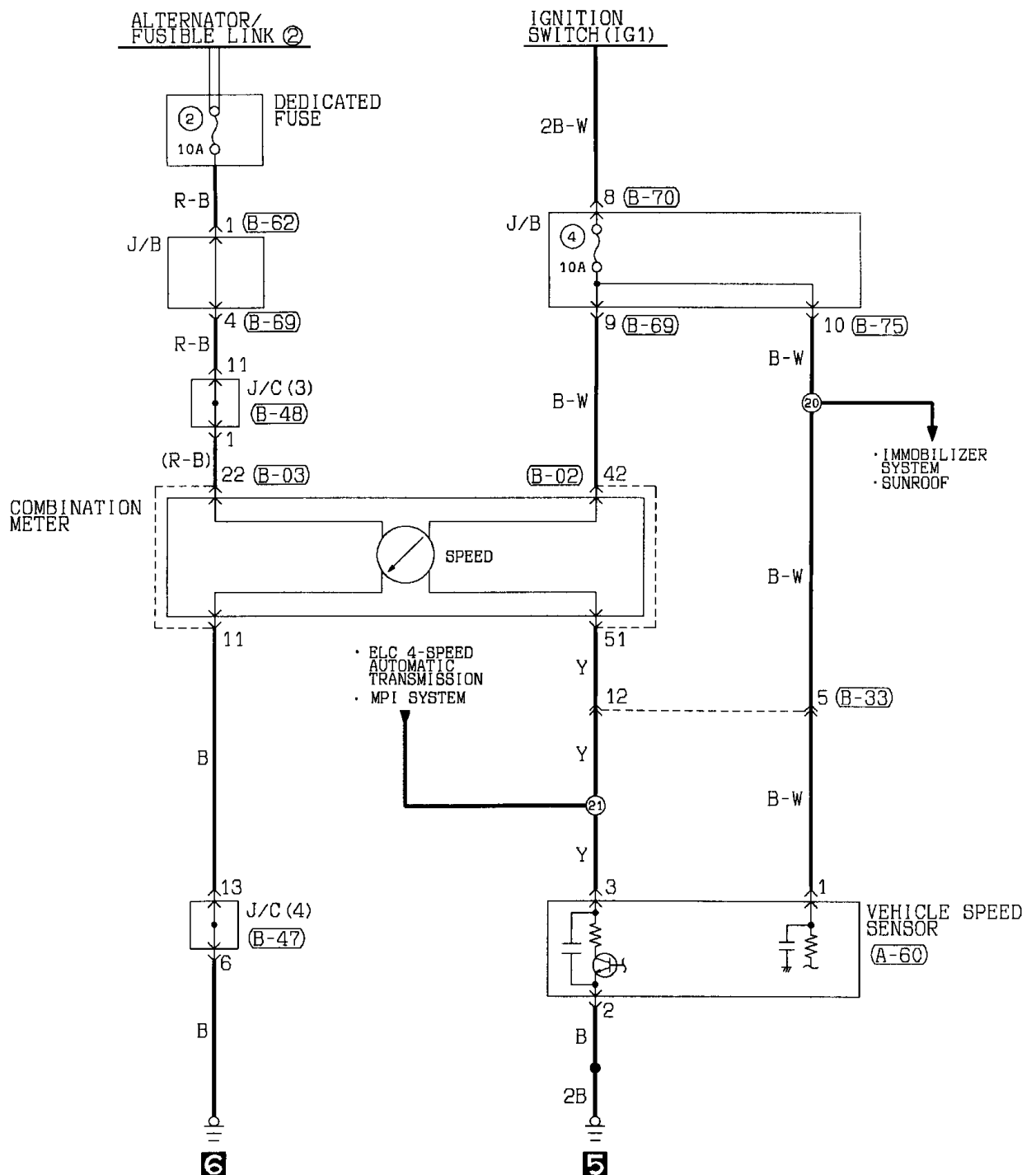
90100350177



HC10E00AA



METER AND GAUGE (CONTINUED)



METER AND GAUGE (See P. 4-136.)**OPERATION****<Fuel gauge>**

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

<Engine coolant temperature gauge>

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

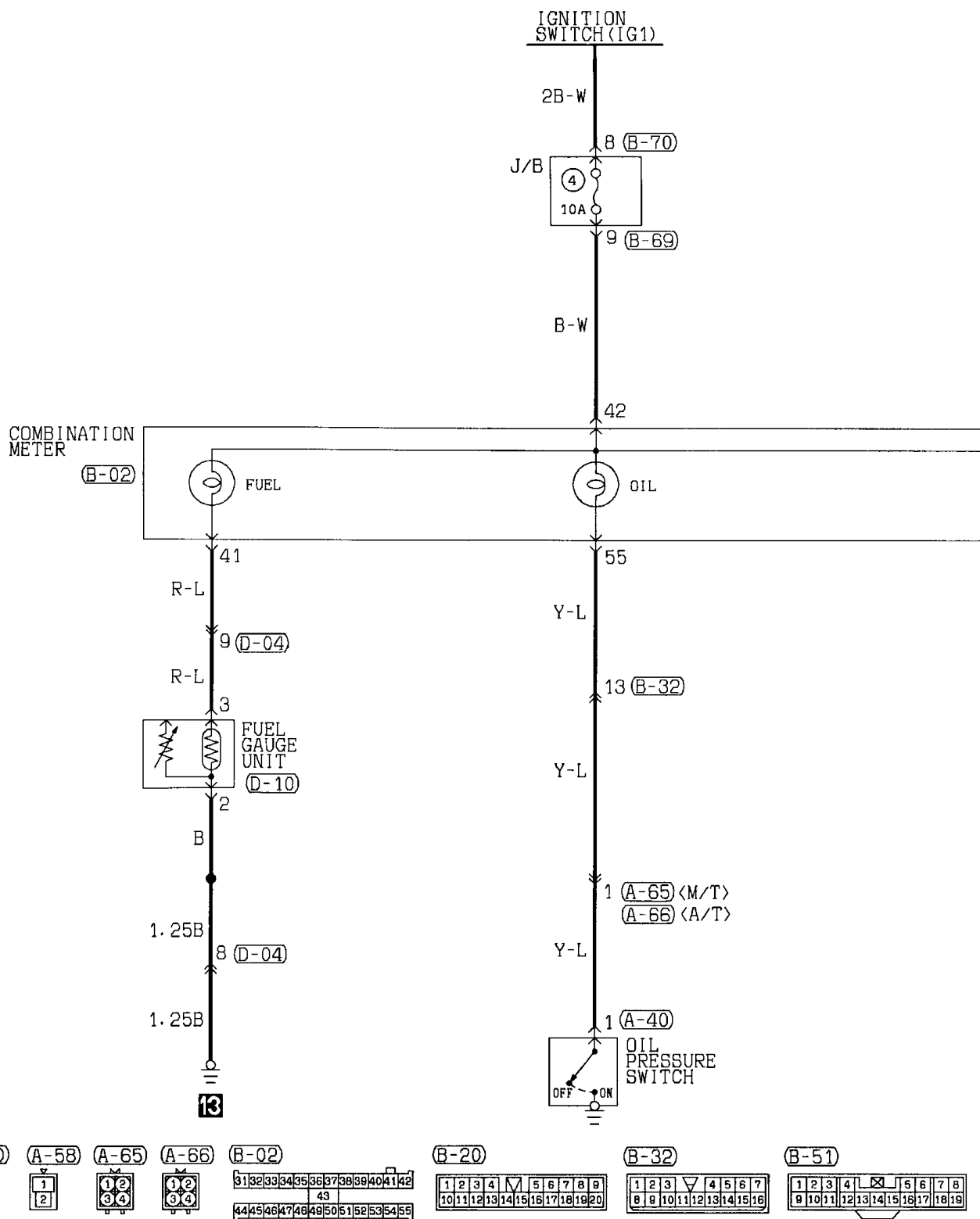
TROUBLESHOOTING HINTS

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

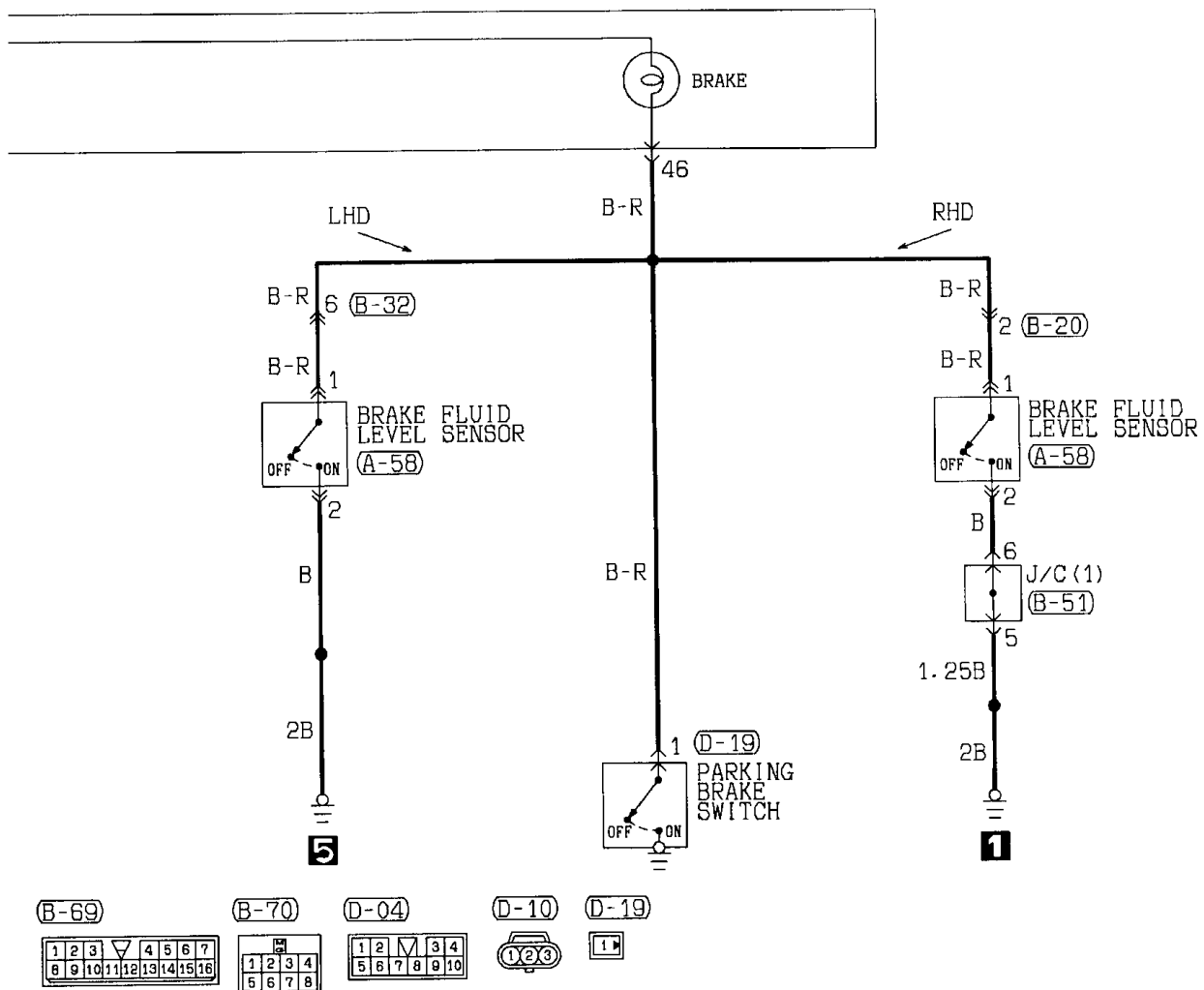
FUEL WARNING LAMP

90101180072

OIL PRESSURE WARNING LAMP



BRAKE WARNING LAMP



FUEL WARNING LAMP (See P. 4-140.)

OIL PRESSURE WARNING LAMP (See P. 4-140.)

BRAKE WARNING LAMP (See. P. 4-141.)

OPERATION

<Fuel warning lamp>

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

<Oil pressure warning lamp>

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

<Brake warning lamp>

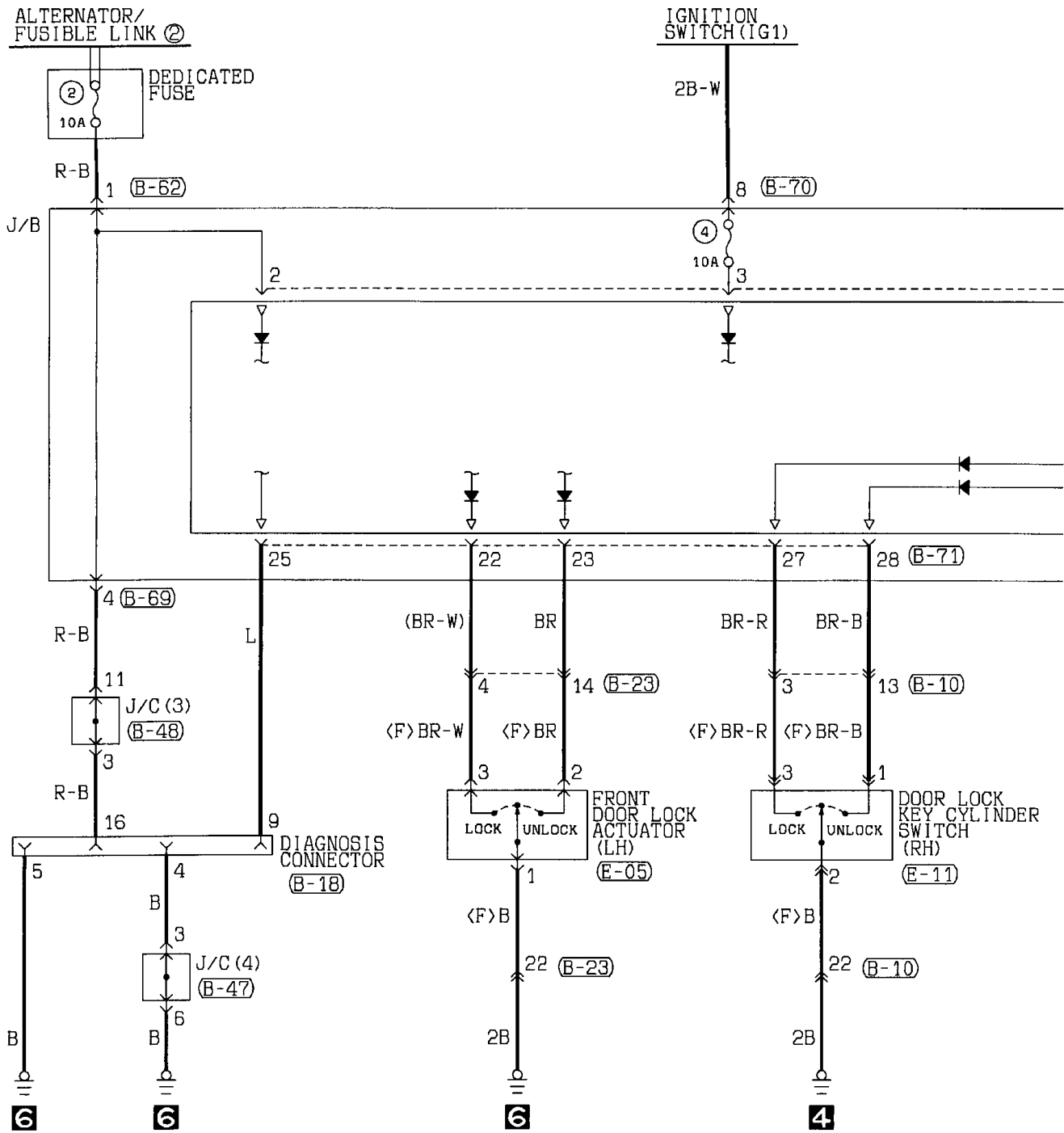
- When the brake fluid level goes down below a predetermined level with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned on, causing the brake warning lamp to illuminate.

NOTES

CENTRAL DOOR LOCKING SYSTEM

90100470279

L.H. drive vehicles



(B-10)

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-18) FRONT SIDE

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

(B-23)

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-47)

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

(B-48)

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

(B-62)

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

(E-11)

1	2	3
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(E-12)

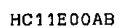
1	2	3
4	5	6

(E-16)

1	2	3
4	5	6

(E-20)

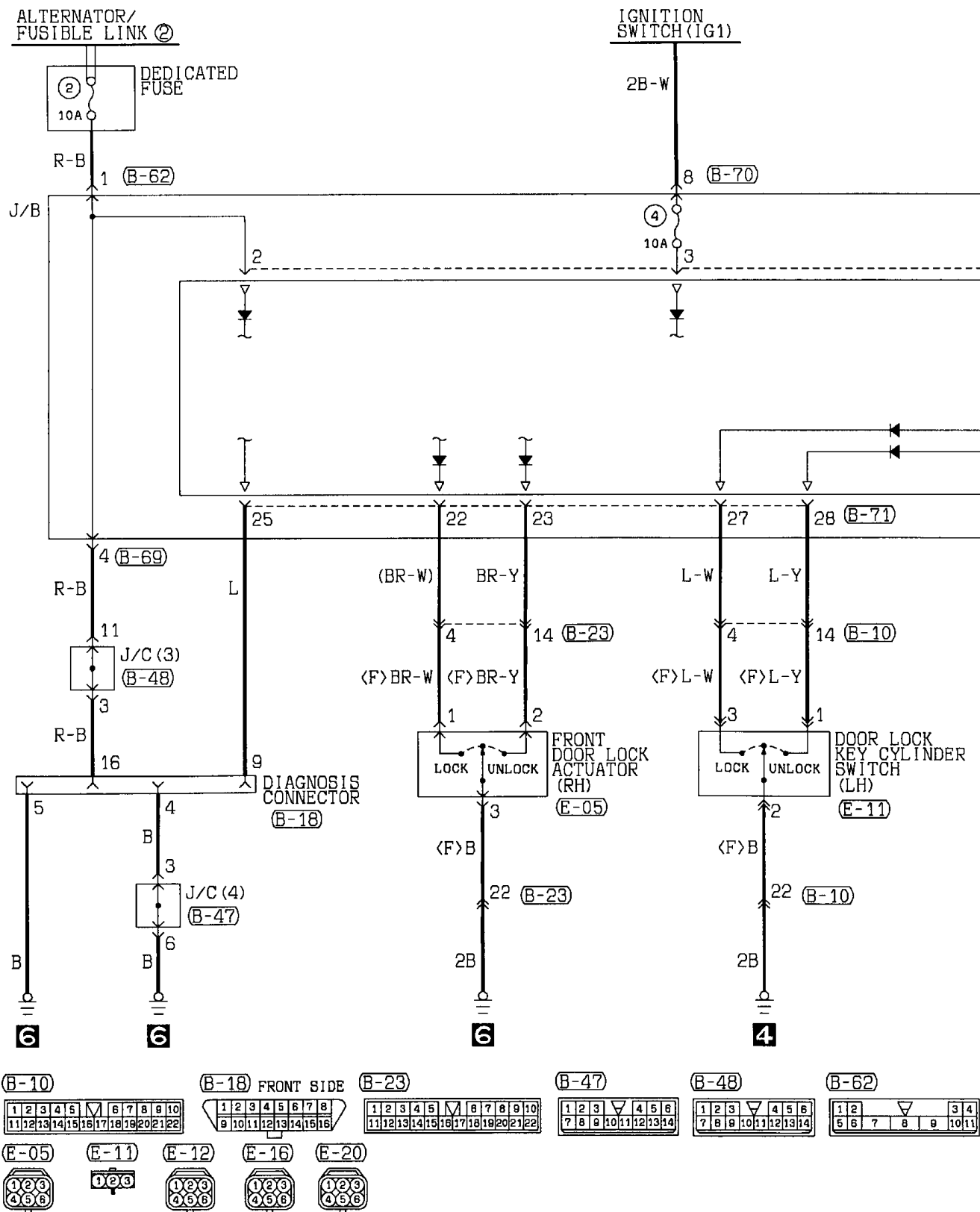
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4	5	6

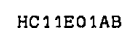


CENTRAL DOOR LOCKING SYSTEM

90100470286

R.H. drive vehicles

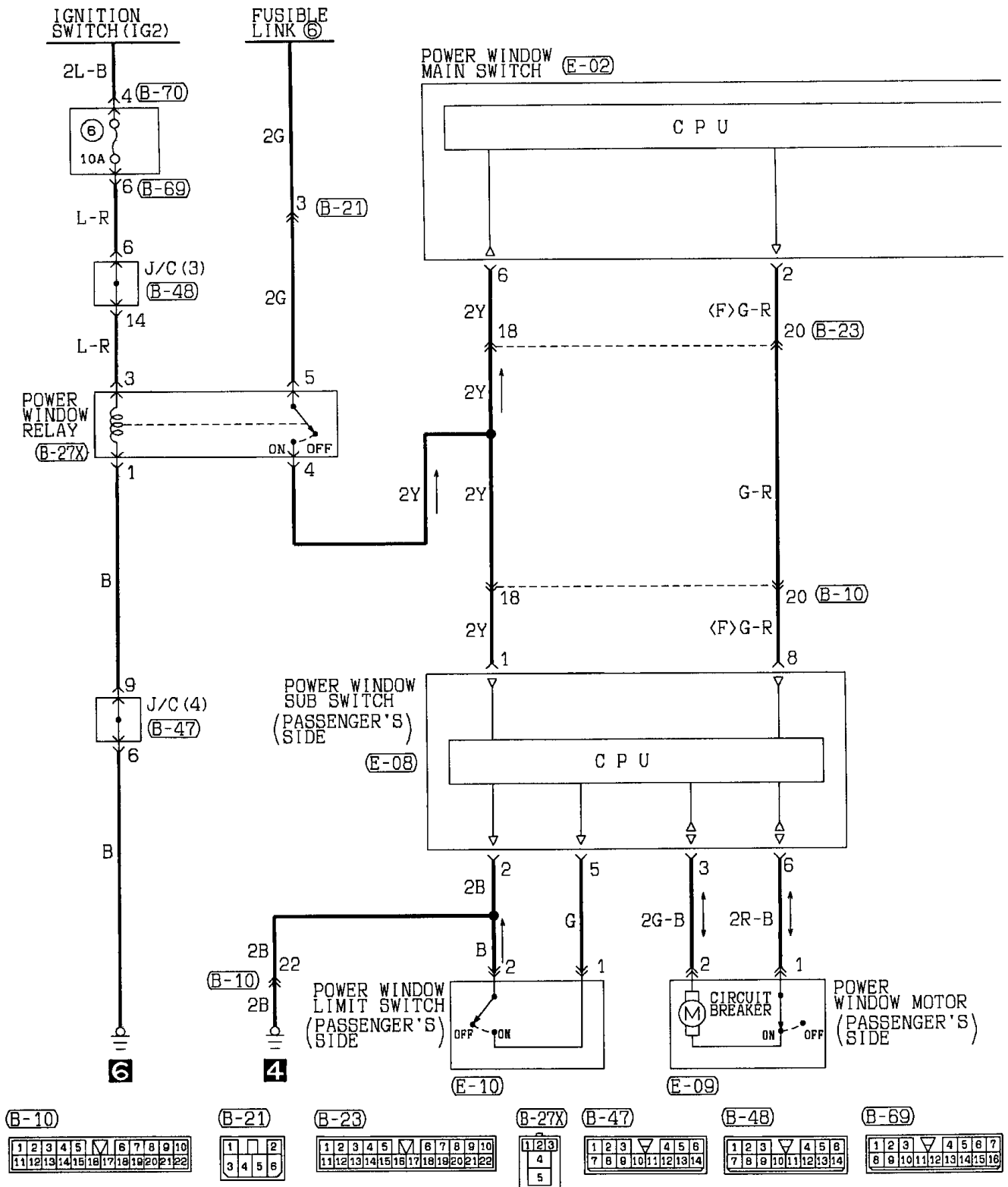


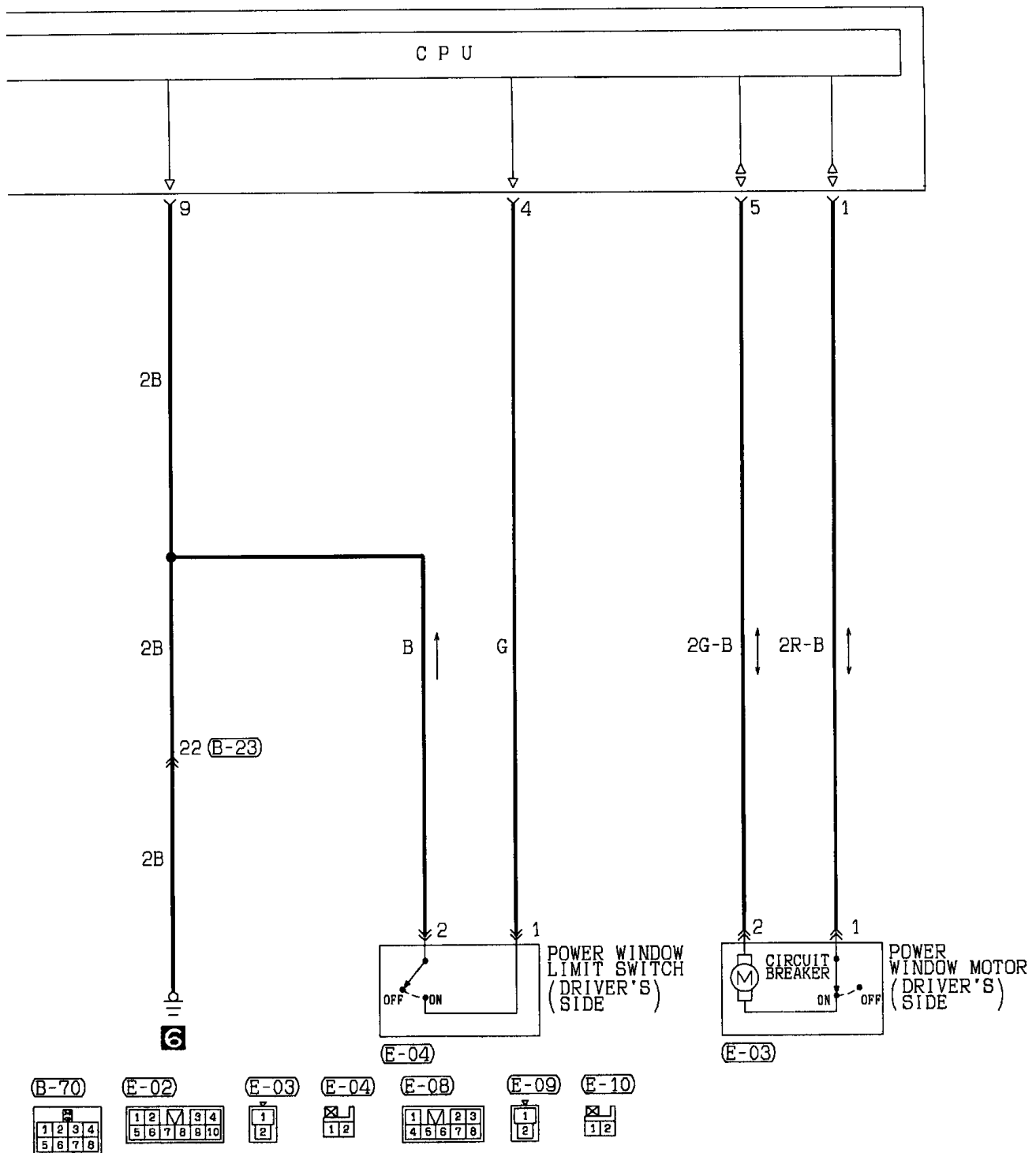


POWER WINDOWS

90100460146

Hatchback





90100460153

IGNITION SWITCH (IG2)

FUSIBLE LINK ⑥

POWER WINDOW MAIN SWITCH (E-02)

C P U

POWER WINDOW RELAY (B-27X)

FRONT POWER WINDOW SUB SWITCH (PASSENGER'S SIDE) (E-08)

POWER WINDOW LIMIT SWITCH (FRONT PASSENGER'S SIDE) (E-10)

FRONT POWER WINDOW MOTOR (PASSENGER'S SIDE) (E-09)

CIRCUIT BREAKER

Legend:

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

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

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

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

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

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

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

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

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

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

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

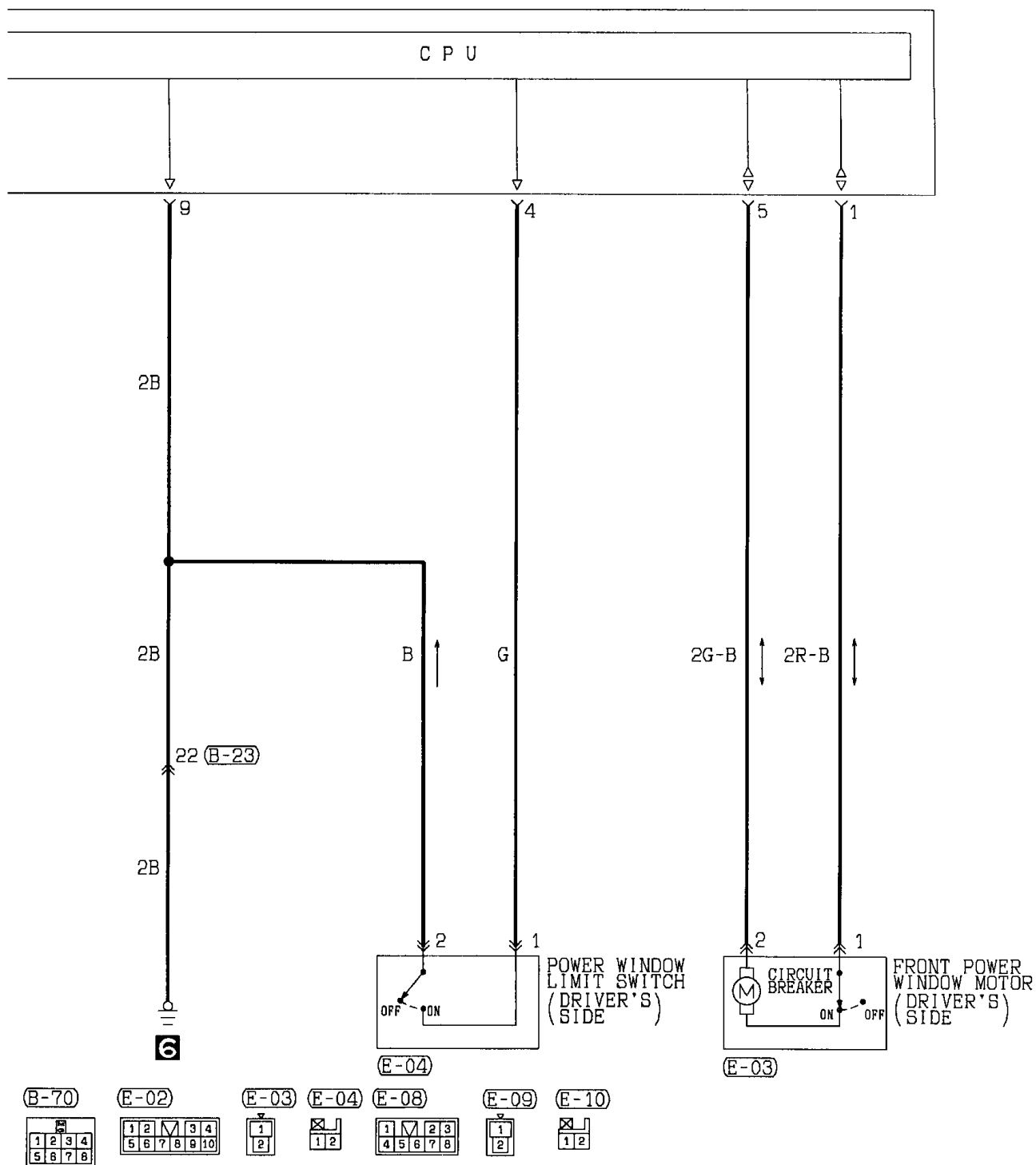
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11	12	13	14	15	16	17	18	19	20
21	22								

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

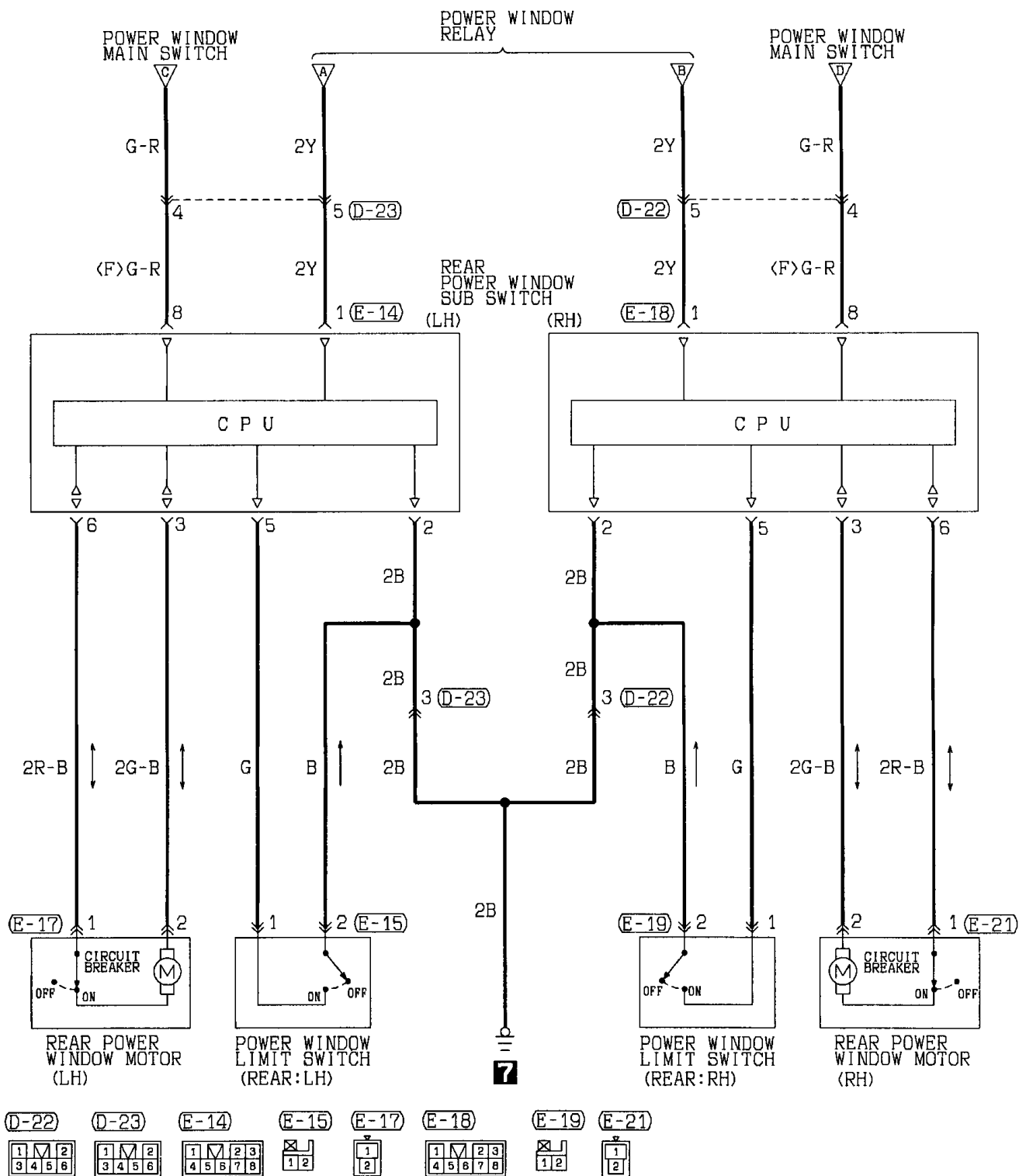
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11	12	13	14	15	16	17	18	19	20
21	22								

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

1	2	3	4	5	6	7	8	9	10
1									



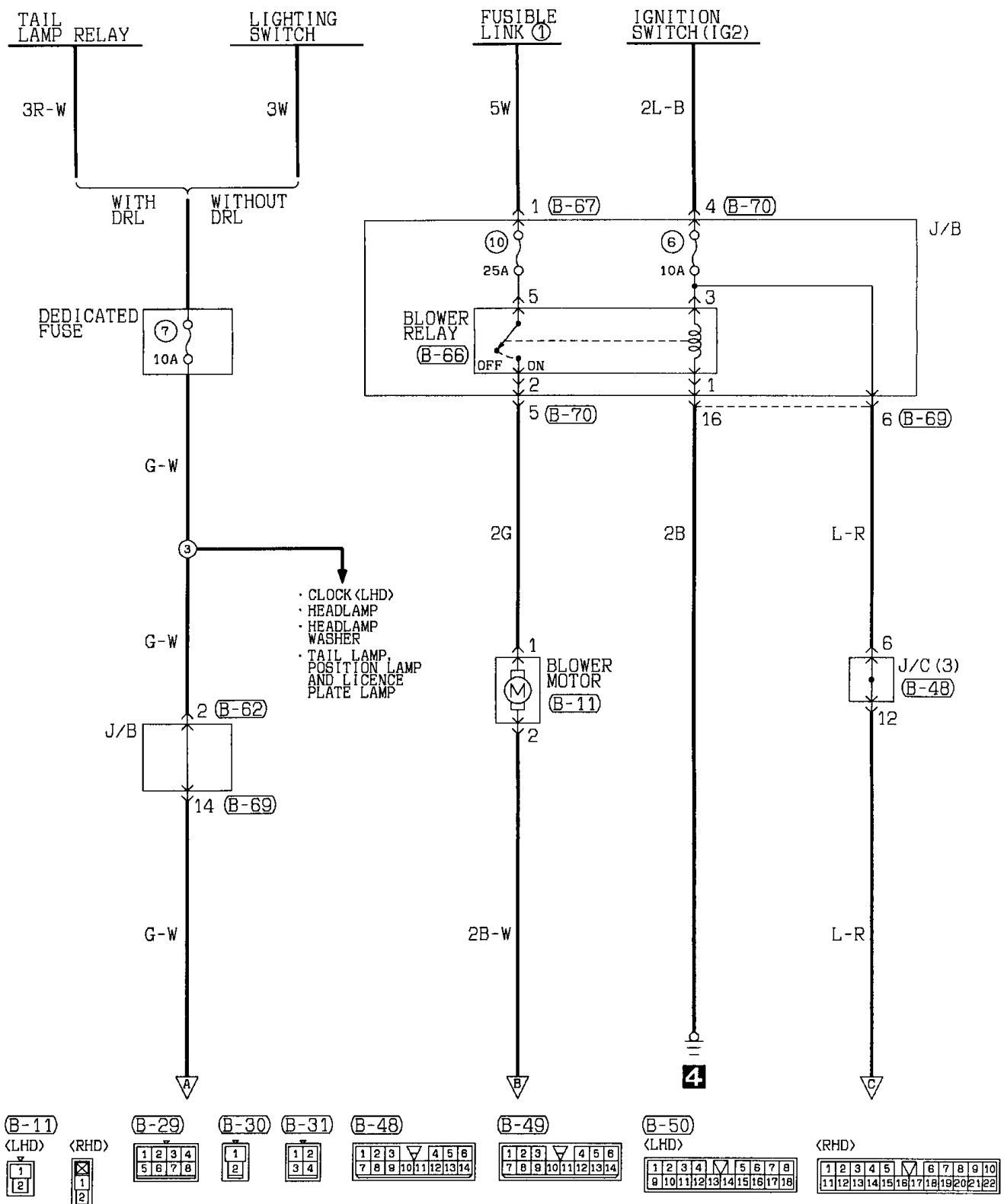
POWER WINDOWS <Sedan> (CONTINUED)

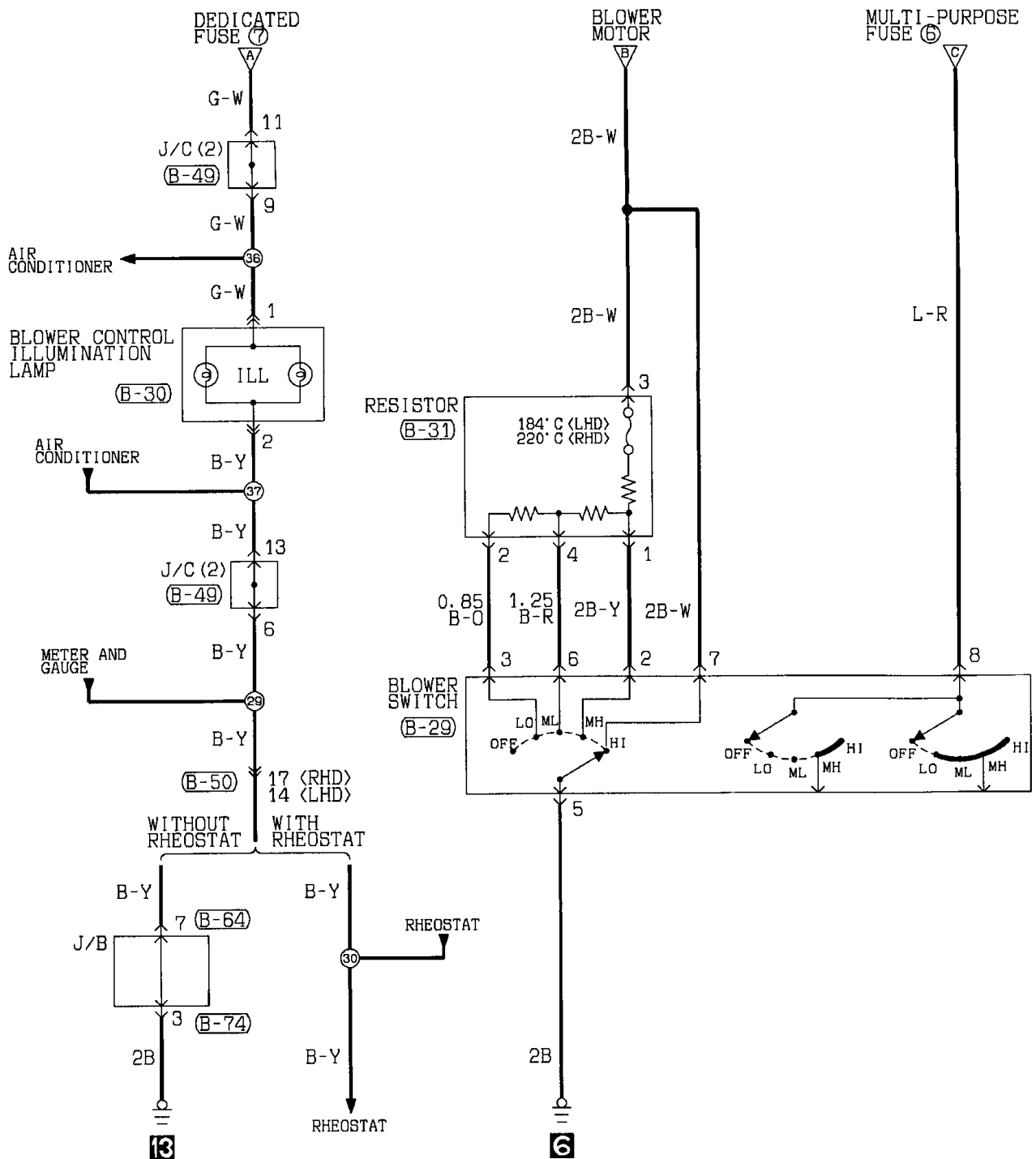


NOTES

HEATER

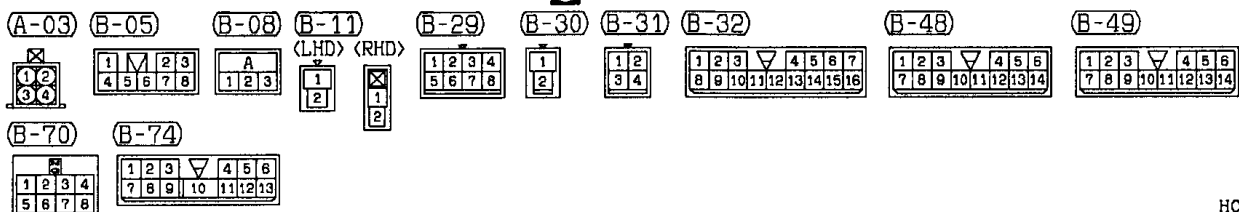
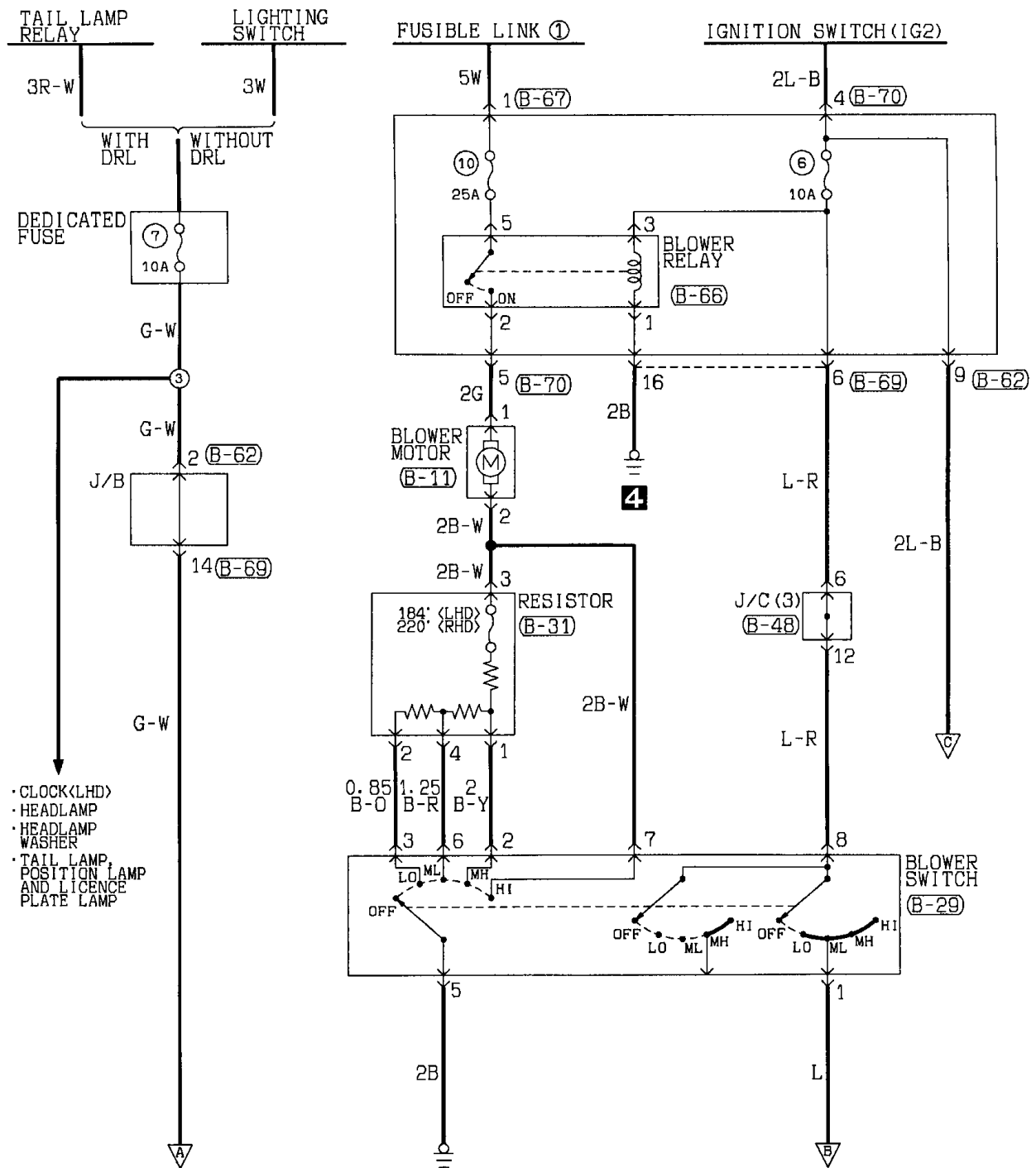
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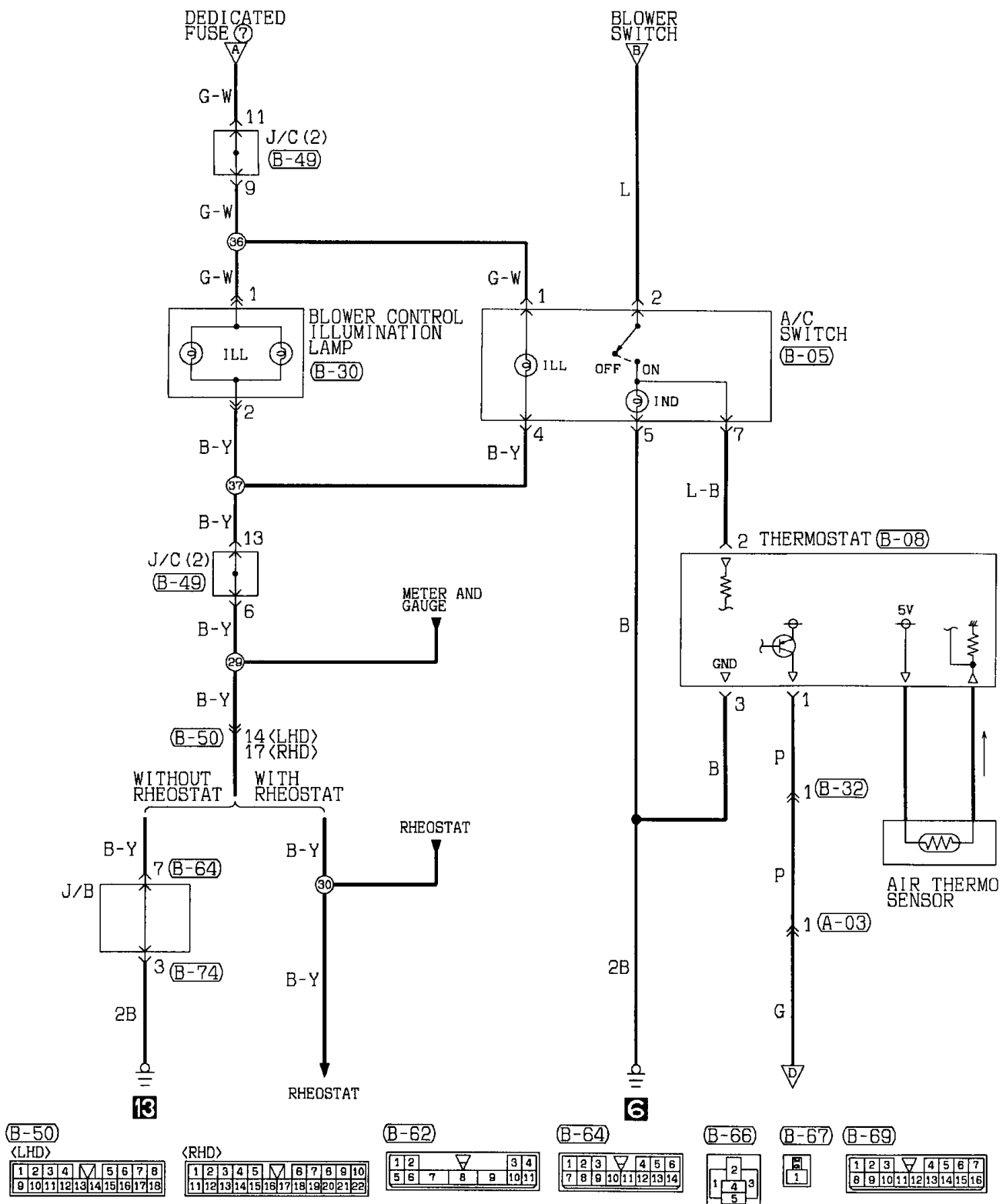


AIR CONDITIONER

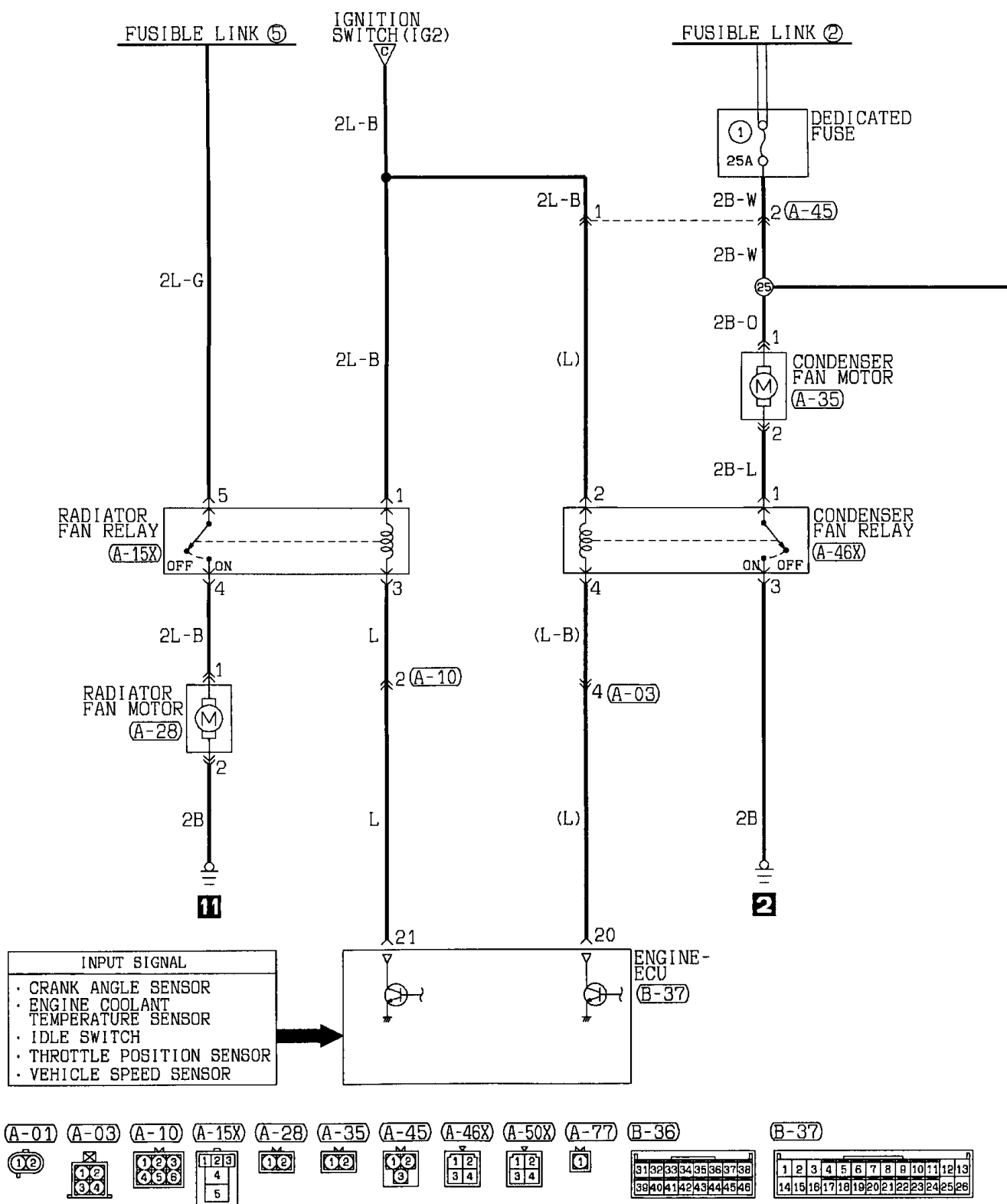
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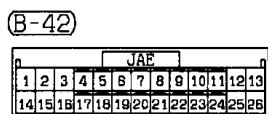


HC12E01AA



AIR CONDITIONER (CONTINUED)



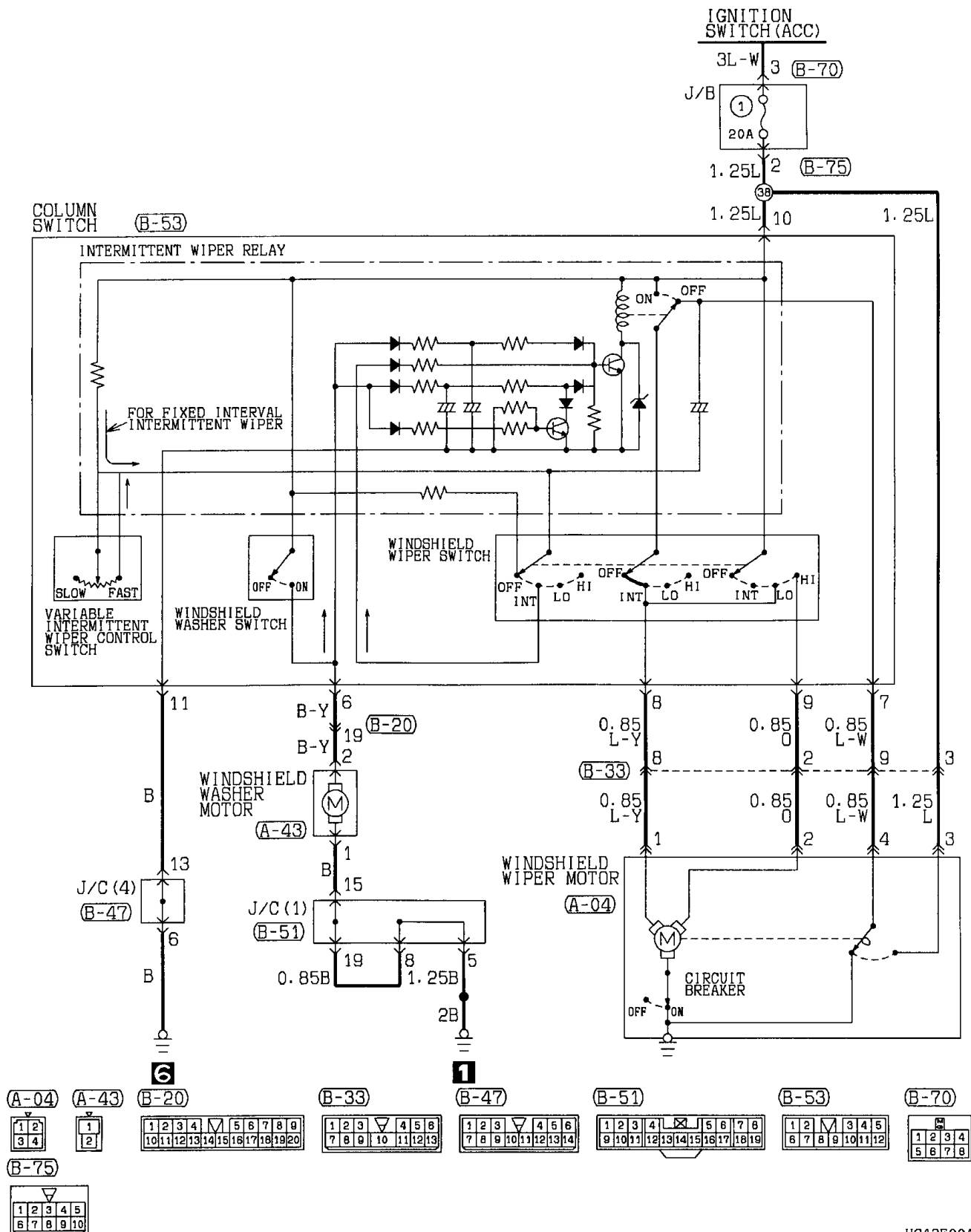


HC12E01BB

WINDSHIELD WIPER AND WASHER

90100610145

L.H. drive vehicles

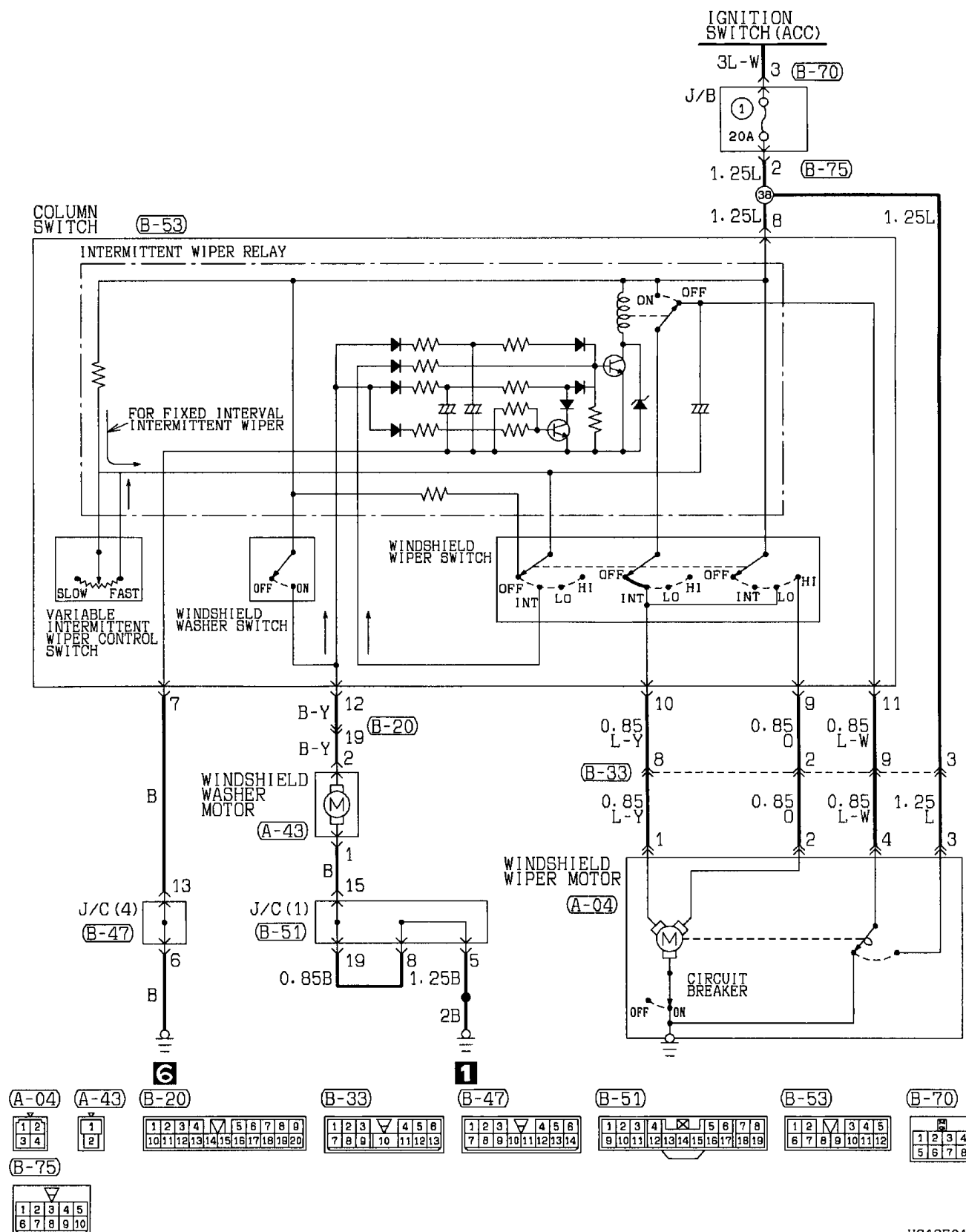


HC13E00AA

WINDSHIELD WIPER AND WASHER

90100610152

R.H. drive vehicles



WINDSHIELD WIPER AND WASHER (See P. 4-160, 161.)**OPERATION****<Low-speed (and high-speed) wiper operation>**

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

<Automatic wiper stopping operation>

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

<Intermittent wiper operation>

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

<Washer-activated wiper operation>

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

TROUBLESHOOTING HINTS

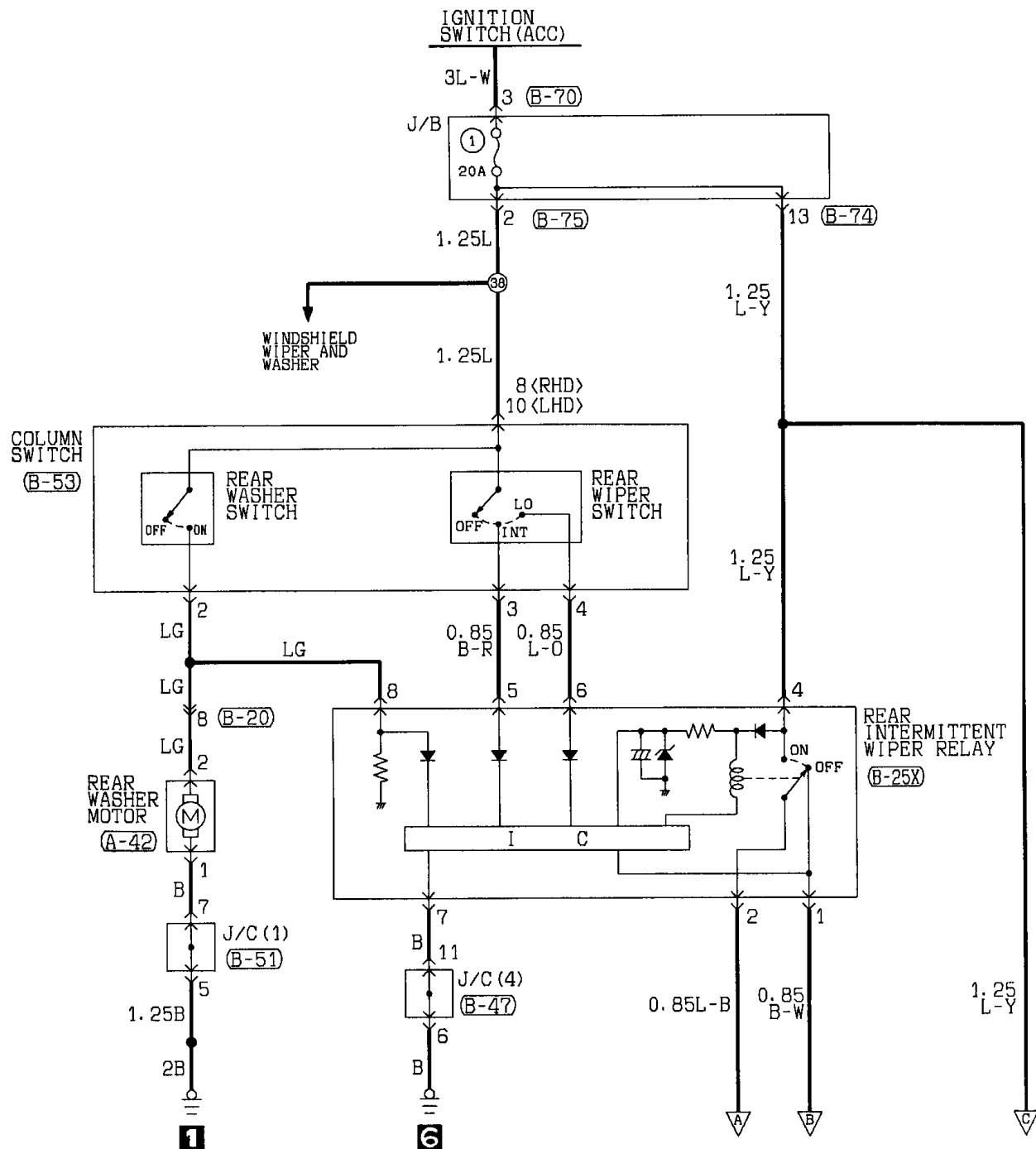
- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. (1).
 - Check earth.
- Low-speed (or high-speed) wiper operation only is inoperative.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized. (see below)
- The length of pause for intermittent operation cannot be varied.
 - Check variable intermittent wiper control switch.
 - Check intermittent wiper relay.
- Washer is inoperative.
 - Wiper is operative on washer-activated wiper operation.
 - Check washer motor.
 - Washer-activated wiper operation is inoperative also.
 - Check washer switch.
- Washer-activated wiper operation is inoperative.
 - Check intermittent wiper relay.

Terminal No.	Voltage	Check
8 <LHD> 10 <RHD>	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	– (Normal)

NOTES

REAR WIPER AND WASHER

90100620148



(A-42)

(B-20)

(B-25X)

(B-47)

(B-51)

(B-53)

(B-70)

1
2

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

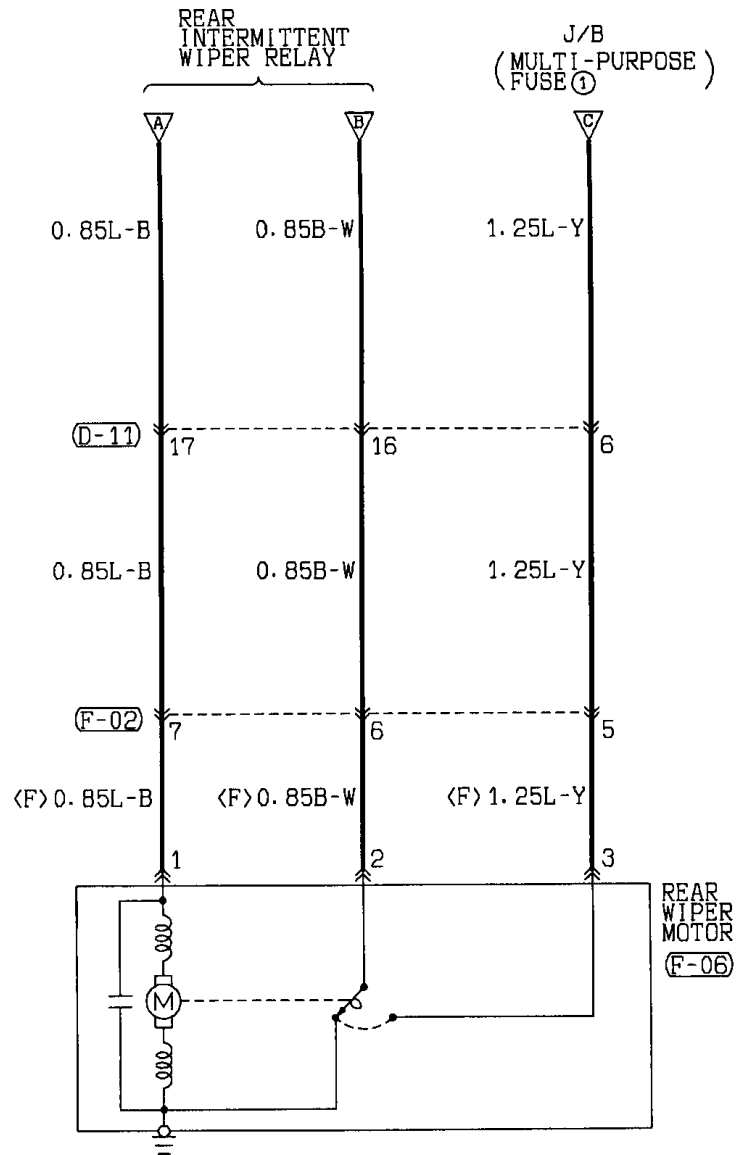
1			2	3
4	5	6	7	8

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

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

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

1	2	3	4
5	6	7	8



(B-74)

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

(B-75)

1	2	3	4	5
6	7	8	9	10

(D-11)

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

(F-02)

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

(F-06)

1	2	3
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REAR WIPER AND WASHER (See P. 4-164.)**OPERATION****<Low-speed wiper operation>**

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

<Automatic wiper stopping operation>

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

<Intermittent wiper operation>

- When the wiper switch is placed in the INT position with the ignition switch in ACC or ON position, the intermittent wiper relay is energized causing the intermittent wiper relay contacts to close and open repeatedly.

- When the contacts are closed, the wiper motor is energized.
- When the wiper motor is energized, the relay contacts open, however, the cam contacts keep the wiper motor energized until the wiper blades return to their stop position.

<Washer-activated wiper operation>

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

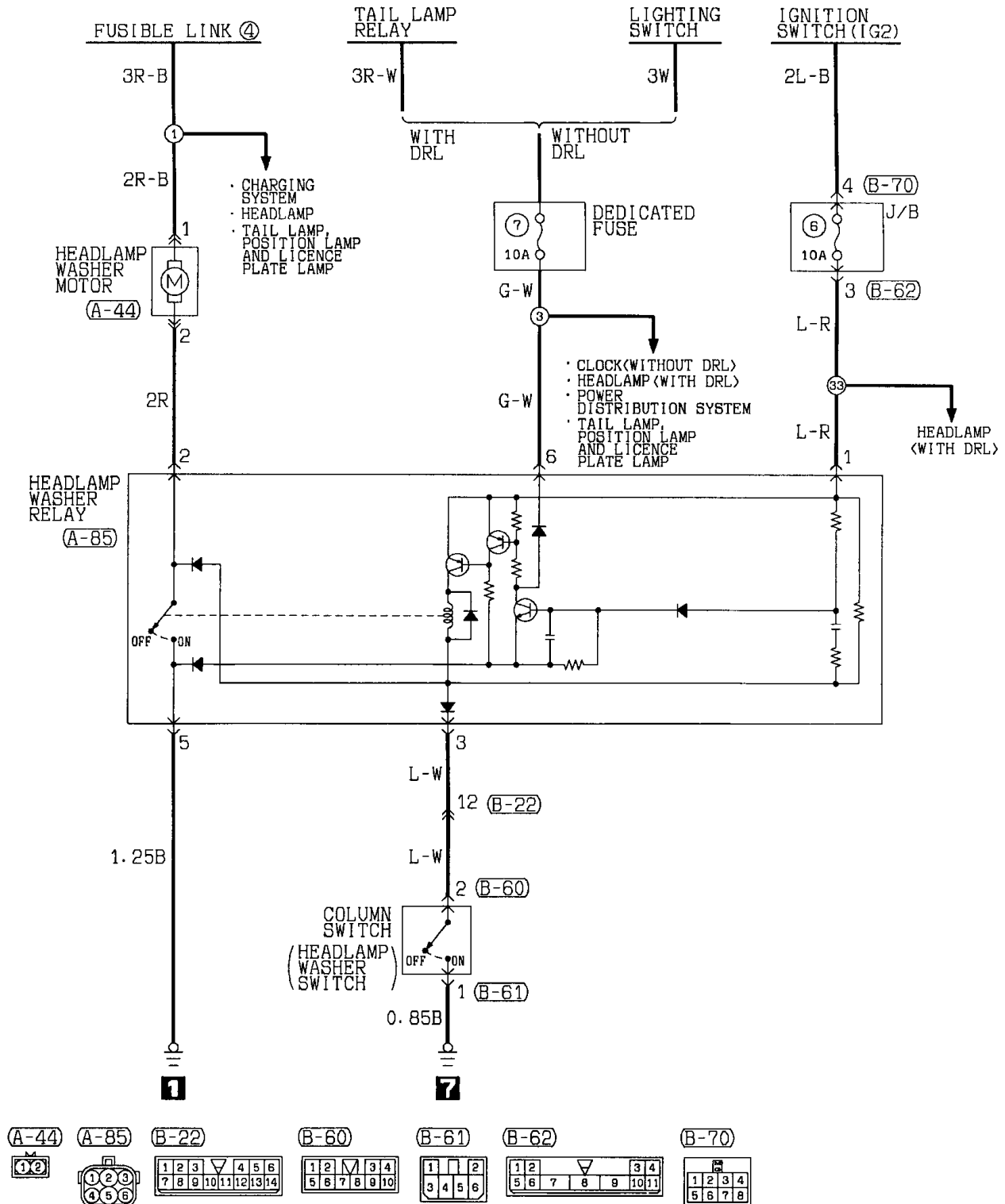
TROUBLESHOOTING HINTS

- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. (1).
 - Check earth.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of the intermittent wiper relay energized. (see below)
- Washer is inoperative.
 - Check washer motor.
 - Check washer switch.
- Washer-activated wiper operation is inoperative.
 - Check intermittent wiper relay.

Terminal No.	Voltage	Check
2	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	- (Standard)

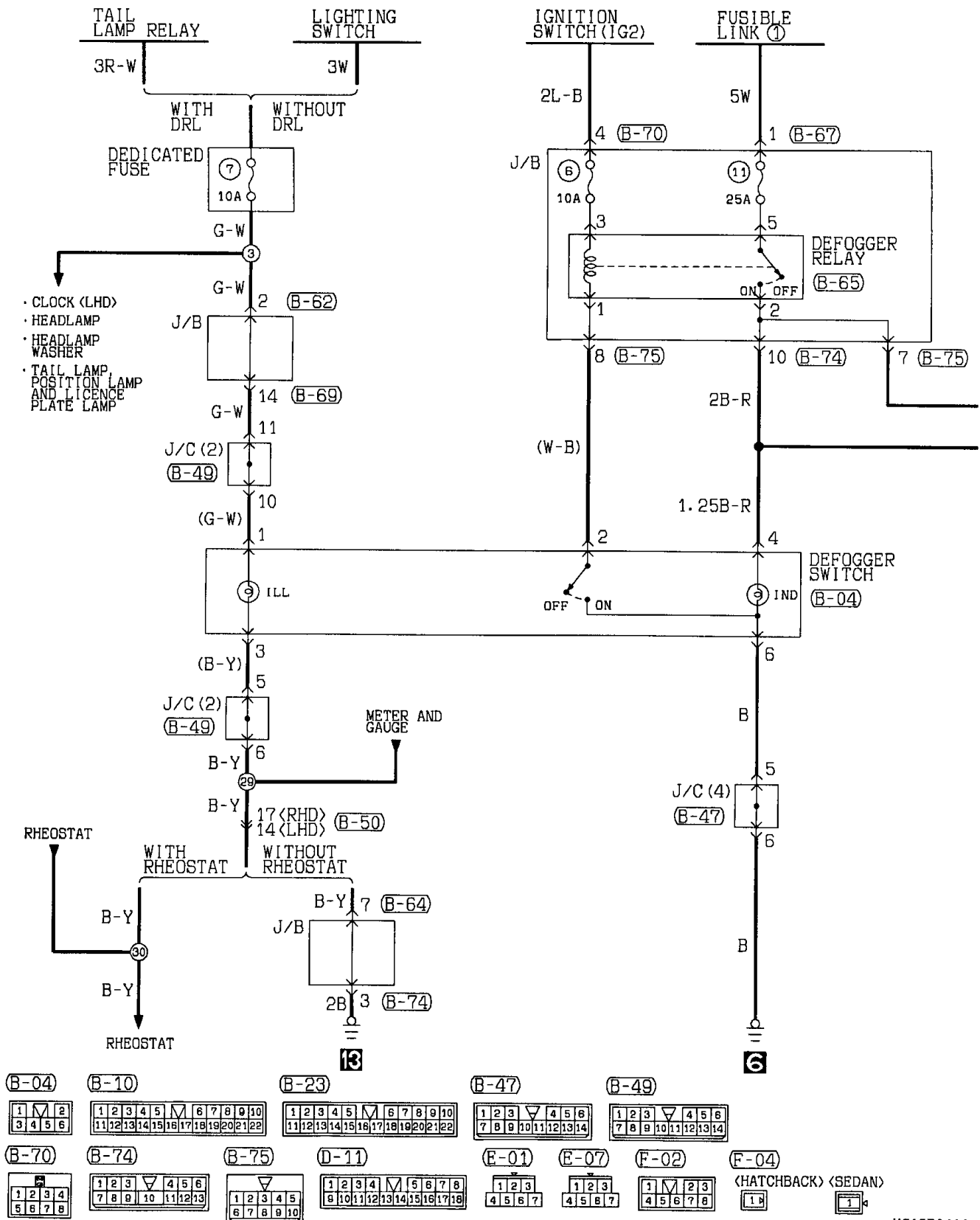
HEADLAMP WASHER

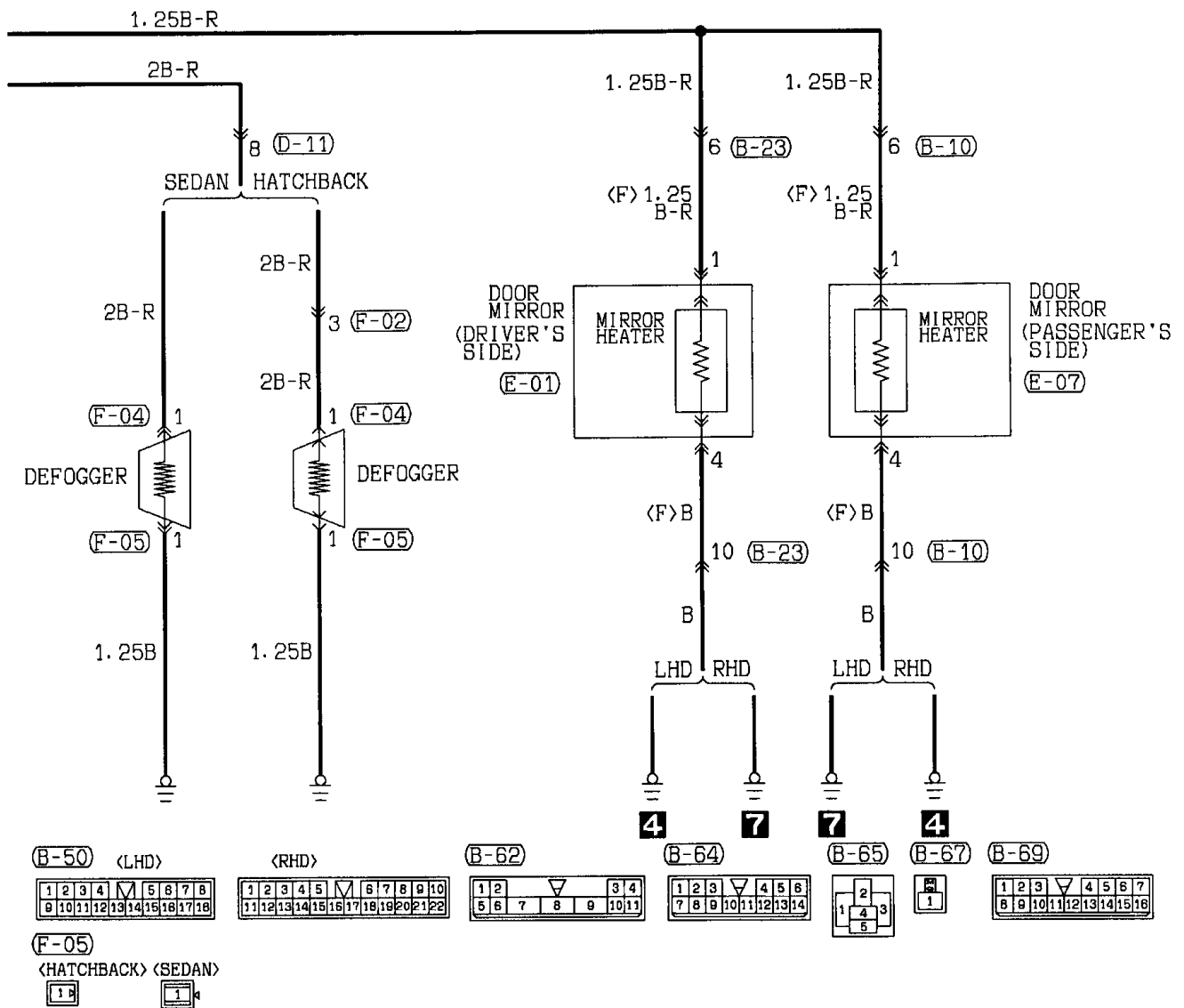
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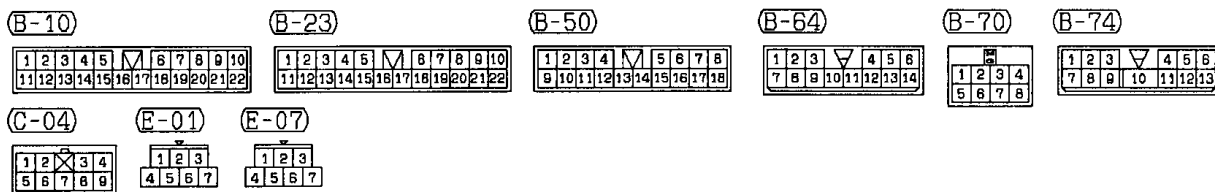
DEFOGGER AND DOOR MIRROR HEATER

90101350046





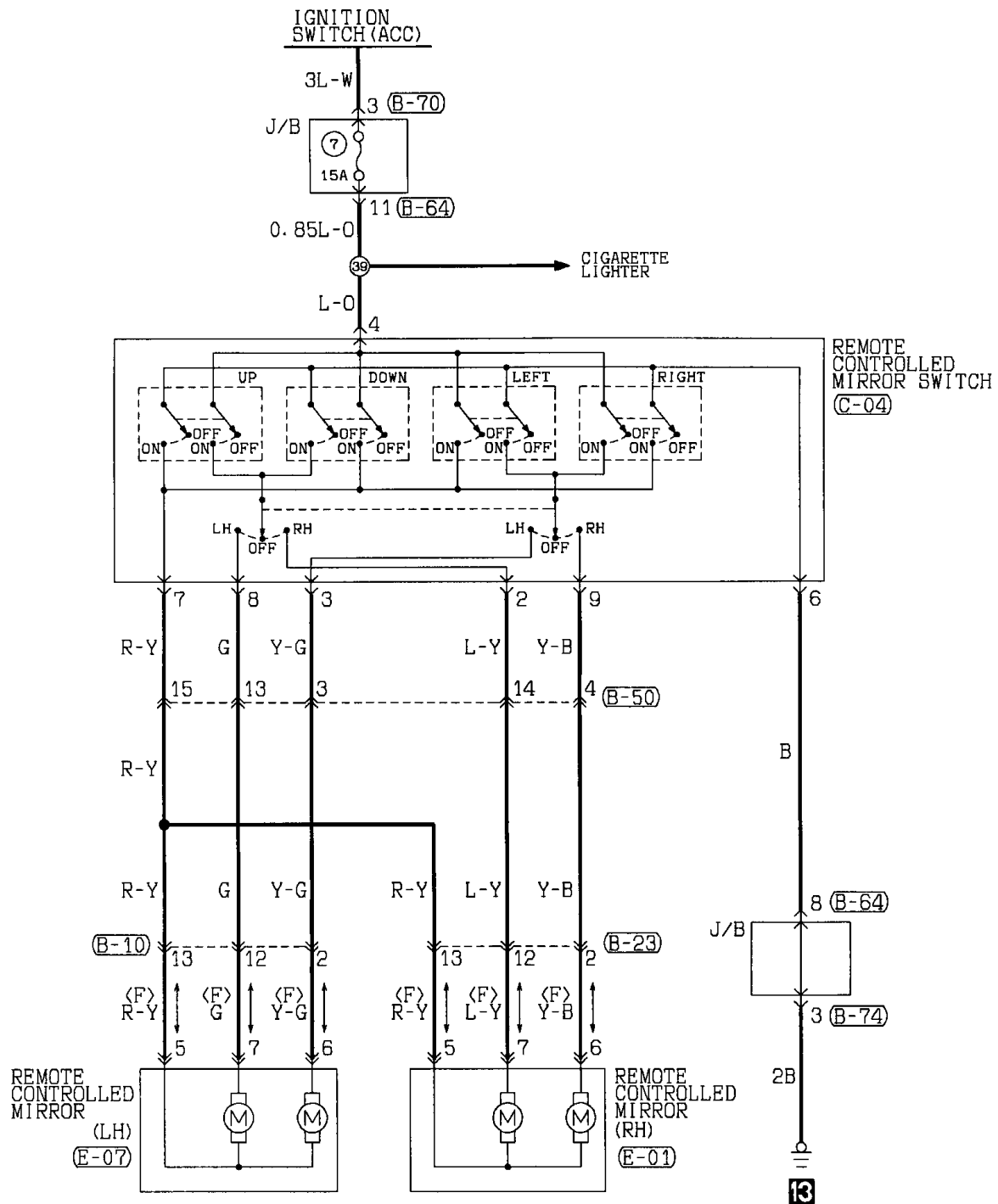
90100650123

[illegible]

REMOTE CONTROLLED MIRROR

90100650130

R.H. drive vehicles



(B-10)

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

(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-50)

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

(B-64)

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

(B-70)

1	2	3	4
5	6	7	8

(B-74)

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

(C-04)

1	2	3	4
5	6	7	8

(E-01)

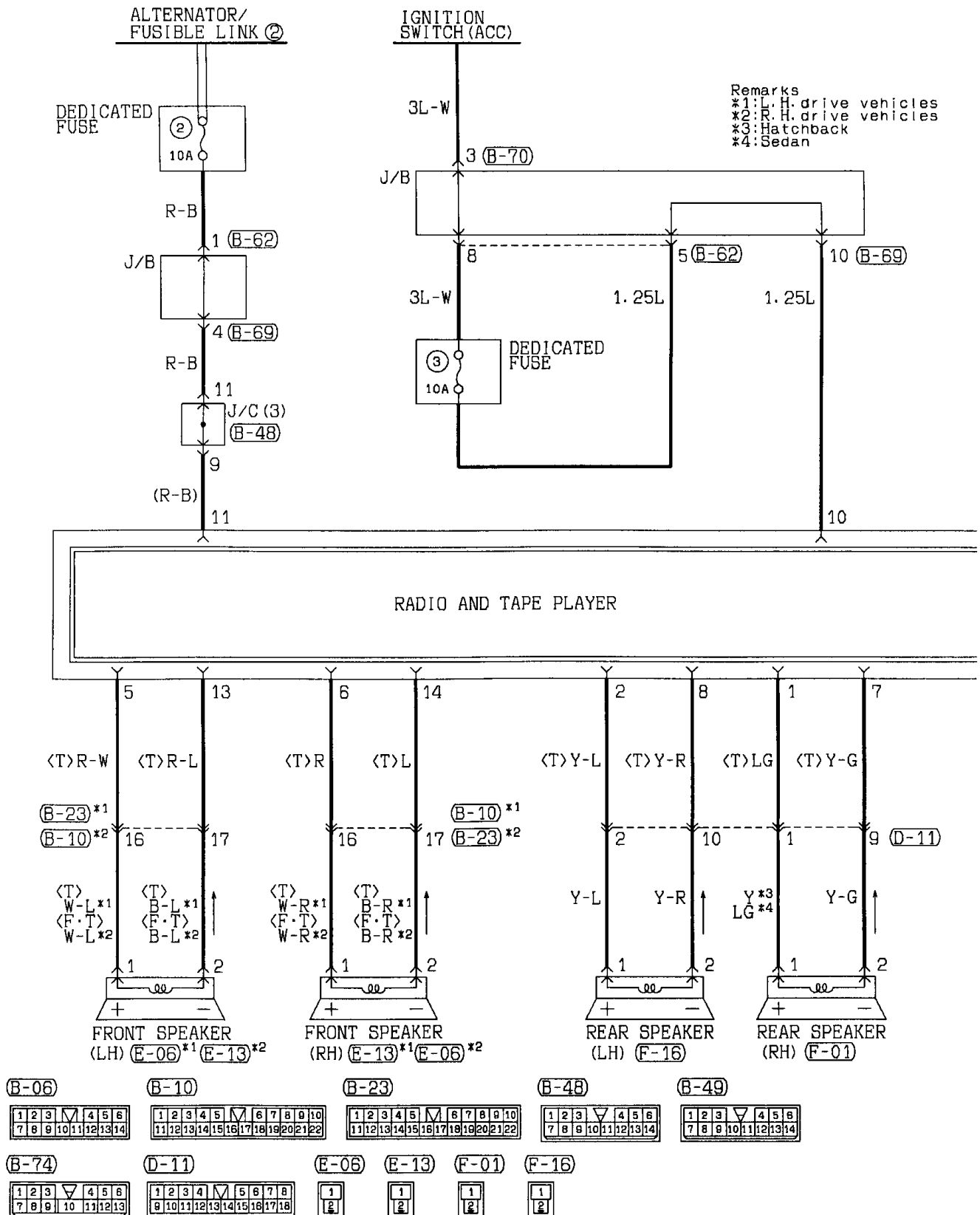
1	2	3
4	5	6

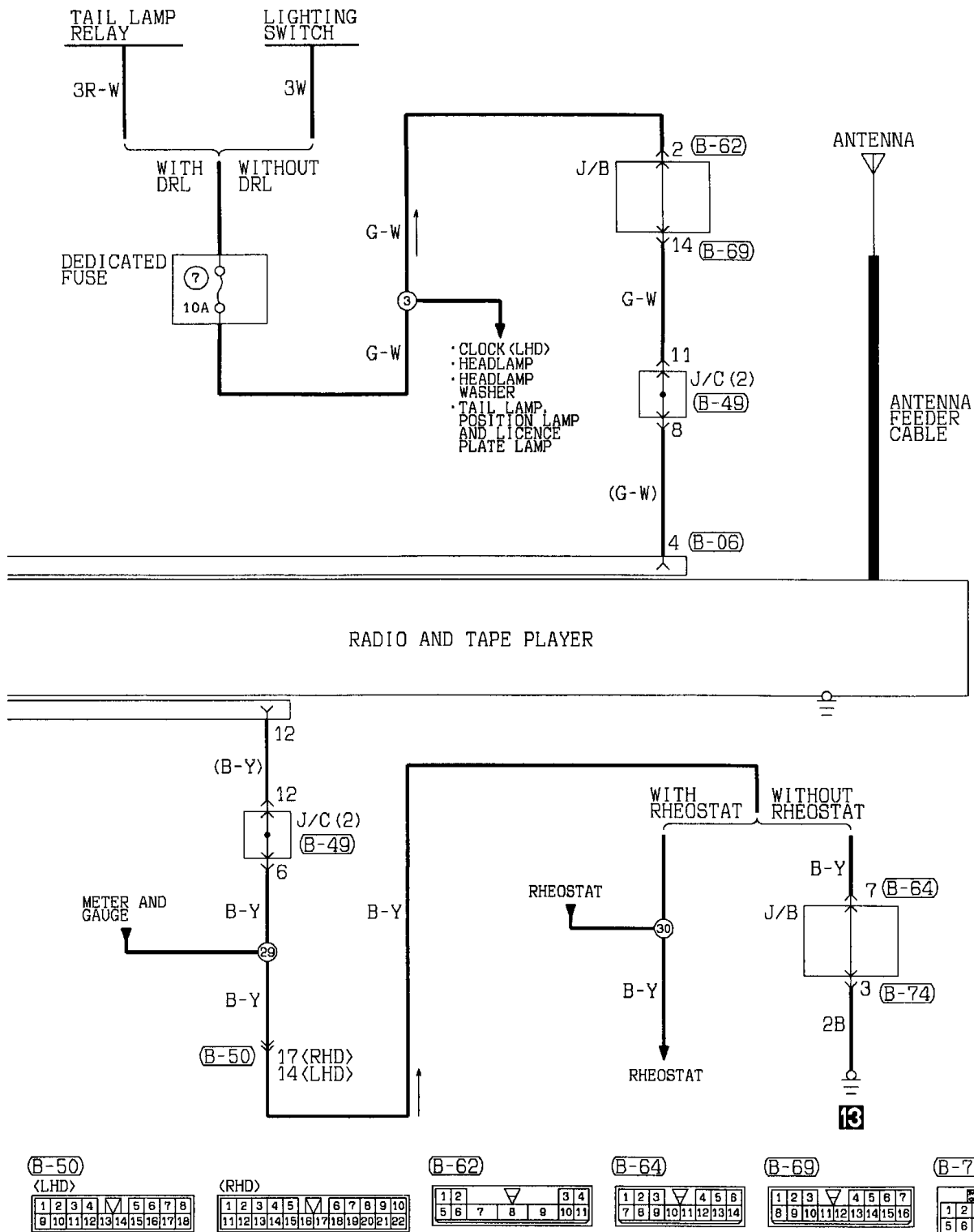
(E-07)

1	2	3
4	5	6

RADIO AND TAPE PLAYER

90100720305

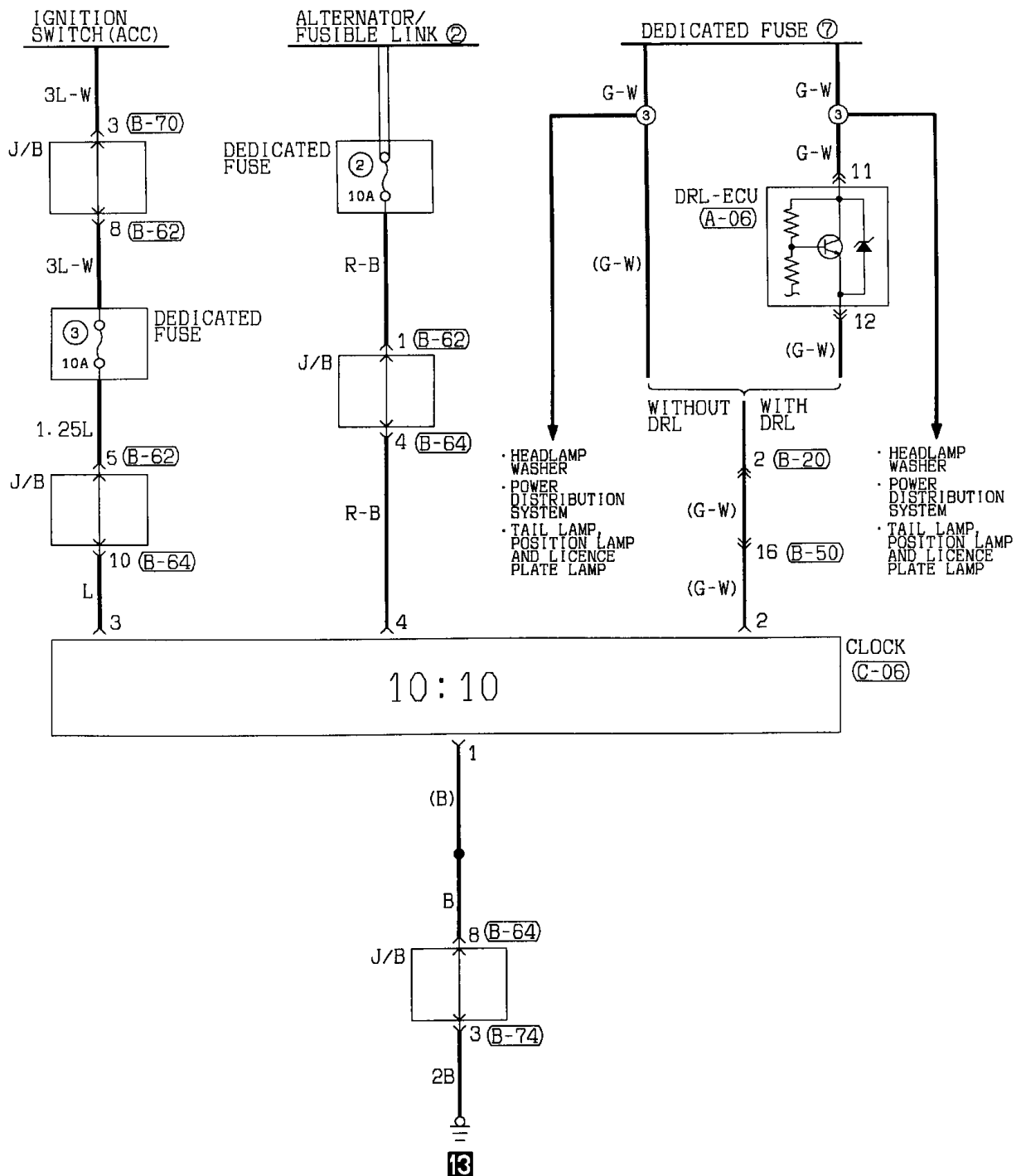




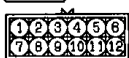
CLOCK

90100770096

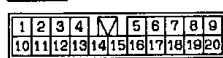
L.H. drive vehicles



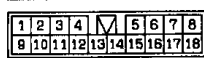
(A-06)



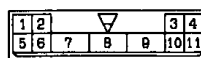
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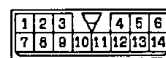
(B-50)



(B-62)



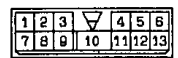
(B-64)



(B-70)



(B-74)



(C-06)

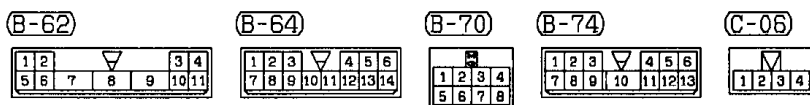


R.H. drive vehicles

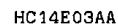
The diagram illustrates the electrical system for the 1966 Ford Mustang, organized into three main sections: Ignition Switch (ACC), Alternator/Fusible Link 2, and Lighting Switch.

- Ignition Switch (ACC):** This section shows the power source for the ignition system. It includes a 3L-W wire connected to a 3 (B-70) terminal, followed by a J/B (junction box) and an 8 (B-62) terminal. The circuit then passes through a 3L-W wire to a 10A fuse (3) and a 1.25L wire to a 5 (B-62) terminal. Another J/B and 10 (B-64) terminal are shown, leading to a 3 terminal connected to the L (lock) position of the ignition switch.
- Alternator/Fusible Link 2:** This section shows the power source for the alternator. It includes a 2 terminal connected to a 10A fuse (2) and an R-B (red-black) wire. The circuit then passes through a 1 terminal to a 4 terminal, which is connected to the R-B wire of the alternator.
- Lighting Switch:** This section shows the power source for the lighting system. It includes a 3W wire connected to a 7 terminal, followed by a J/B and a 2 (B-62) terminal. The circuit then passes through a G-W (green-white) wire to a 3 terminal, which is connected to the TAIL LAMP, POSITION LAMP, and LICENCE PLATE LAMP. Another G-W wire leads to a 13 (B-64) terminal, which is connected to the CIGARETTE LIGHTER, FRONT FOG LAMP, REAR FOG LAMP, TURN-SIGNAL LAMP, and HAZARD WARNING LAMP. A (G-W) wire leads to a 2 terminal.

The diagram also shows a 10:10 clock (C-06) and a 13 terminal connected to the ground.



90100780129

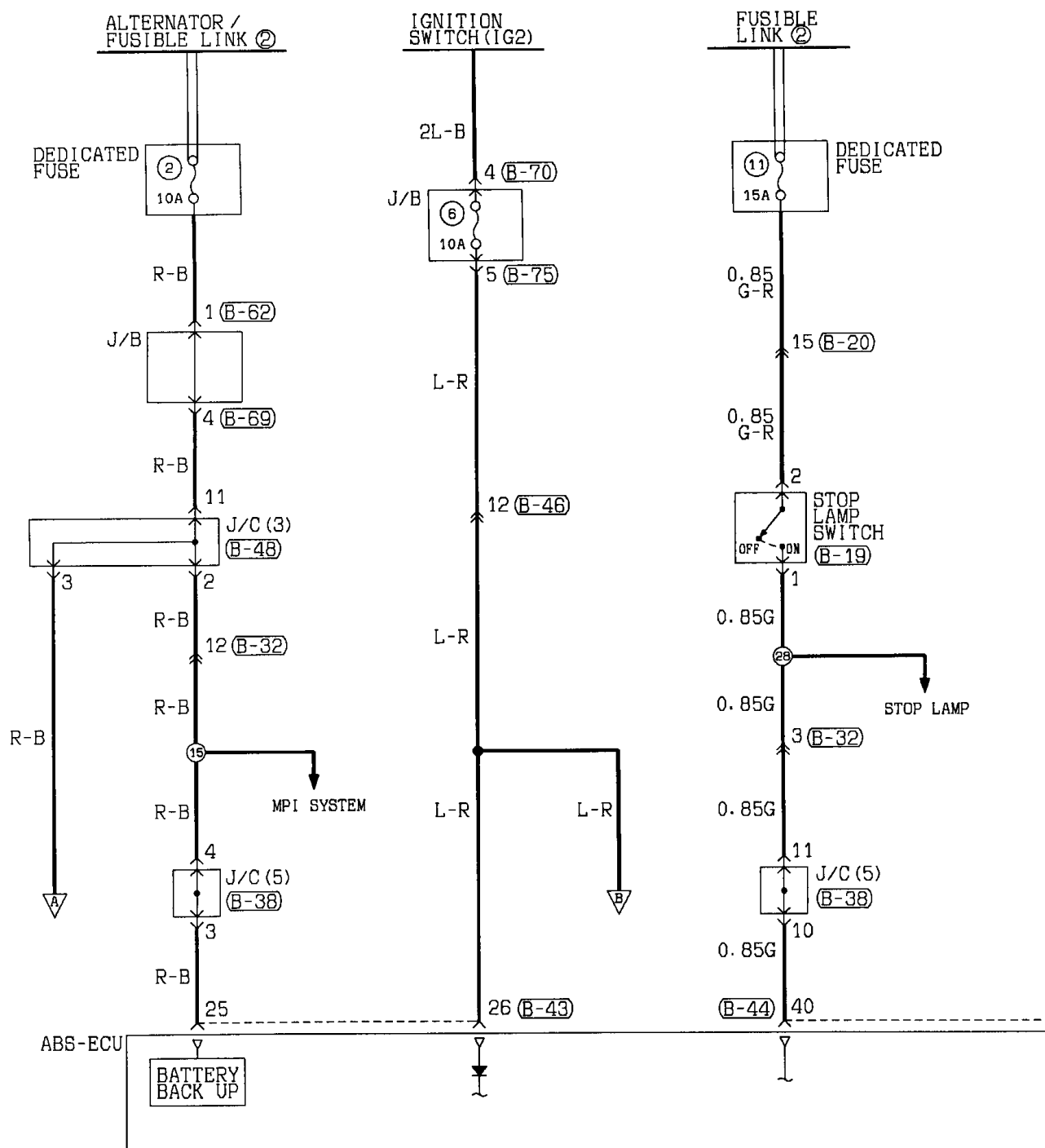


NOTES

ANTI-SKID BRAKING SYSTEM (ABS)

90100840278

L.H. drive vehicles



(A-52)



(A-53)



(B-02)



(B-03)



(B-19)



(B-20)



(B-32)



(B-69)

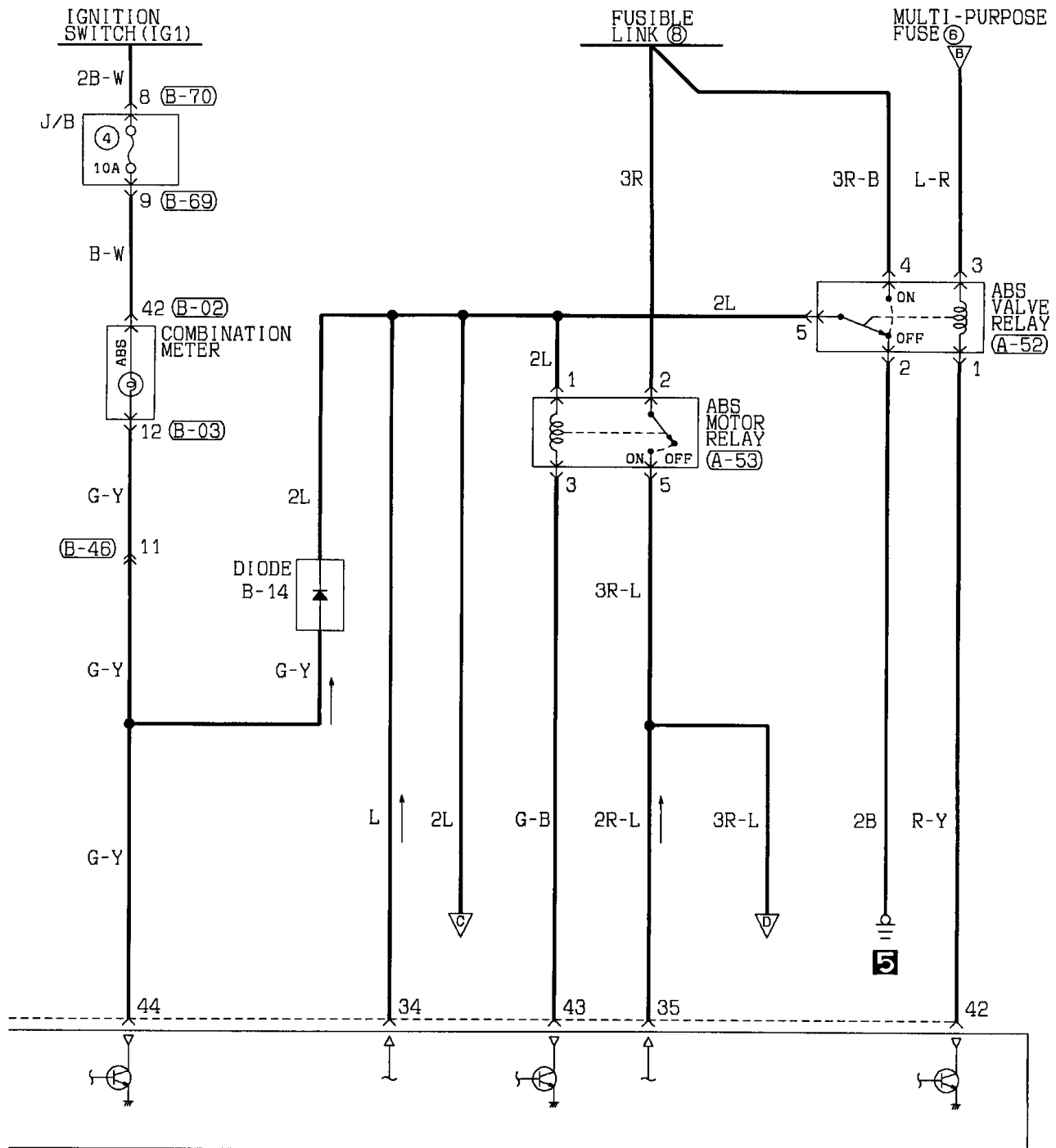


(B-70)



(B-75)





(B-38)

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

(B-43)

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-44)

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

(B-46)

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

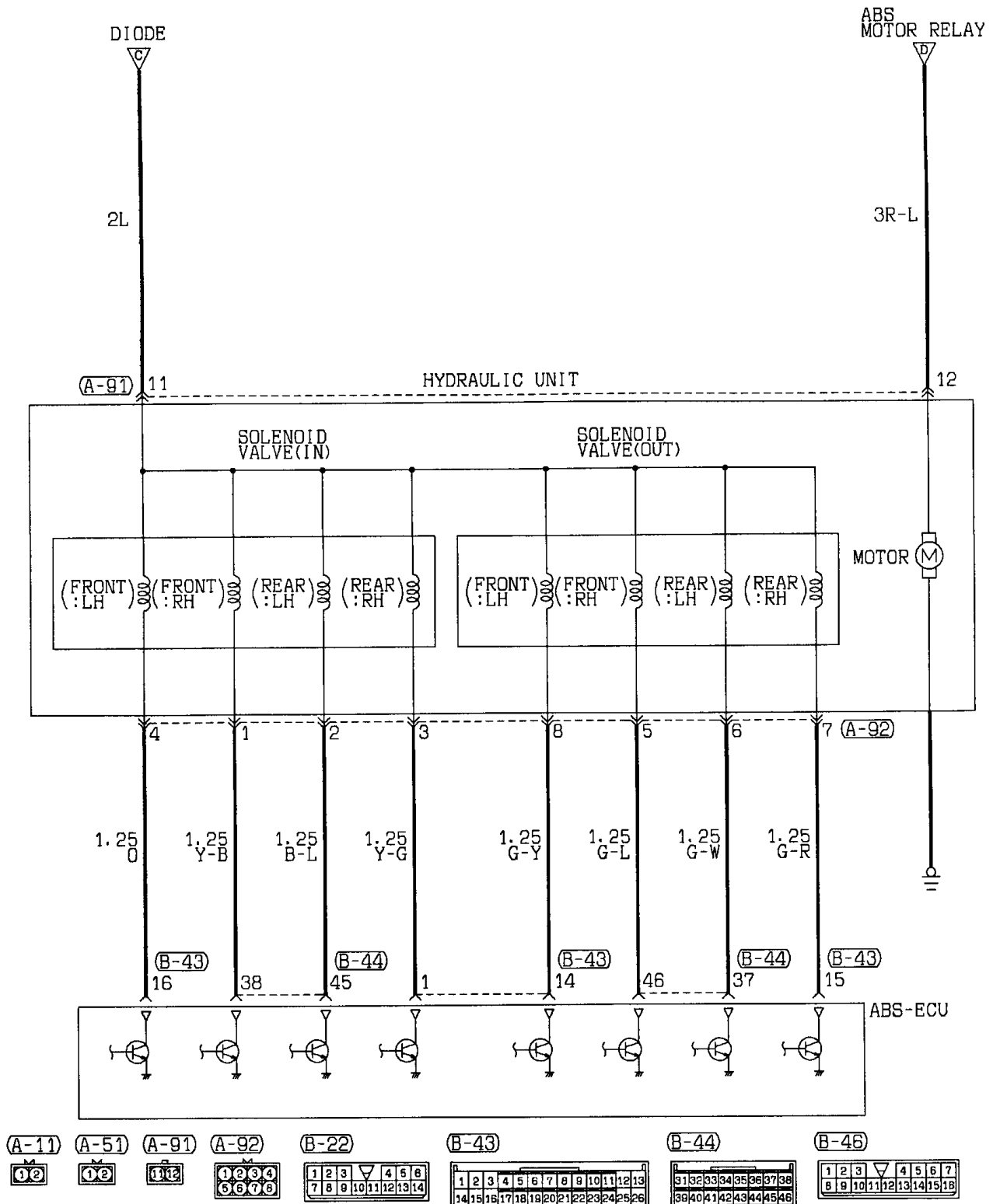
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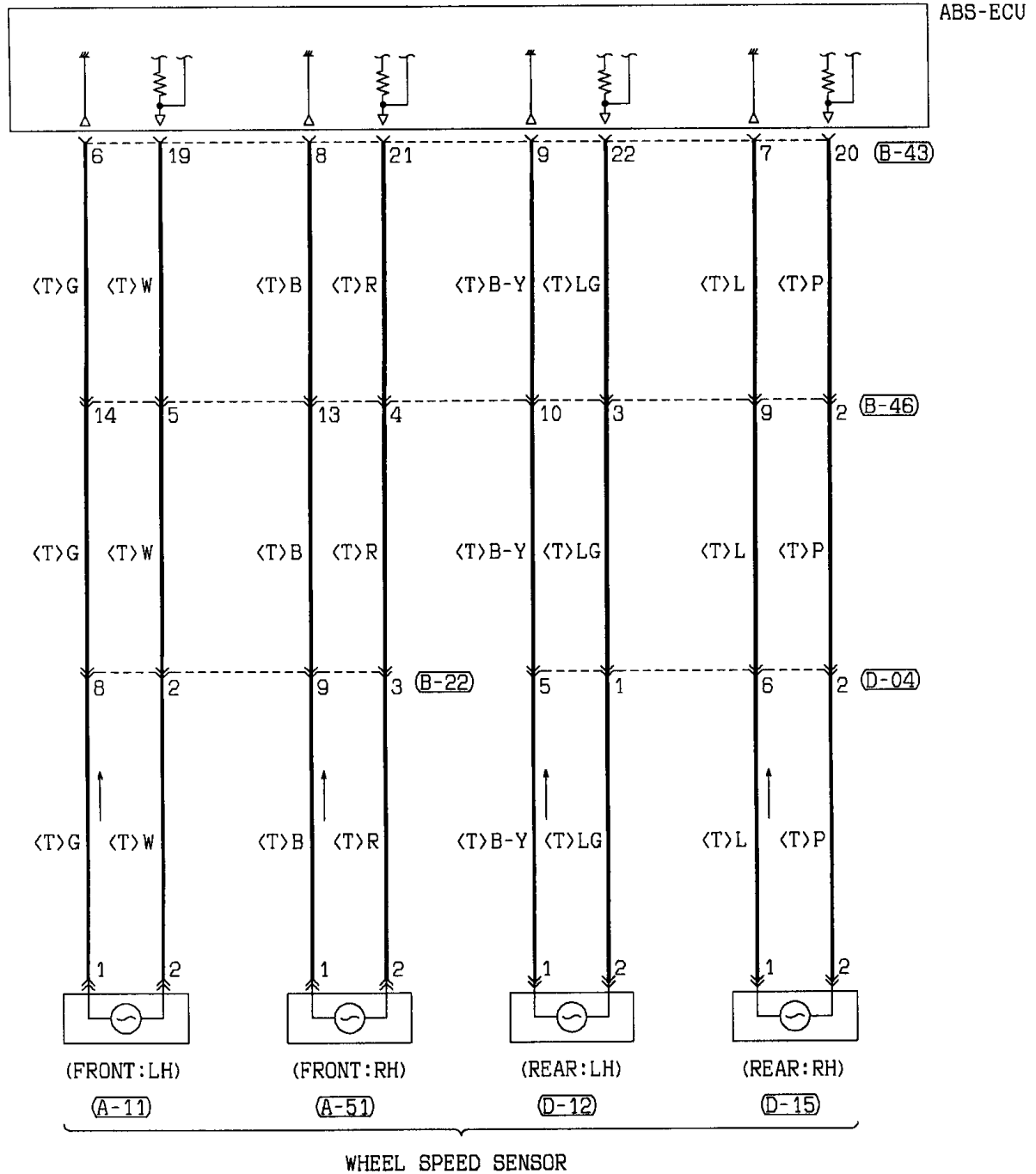
1	2	3	4	5	6
7	8	9	10	11	12
13	14				

(B-62)

1	2					3	4
5	6	7	8	9	10	11	

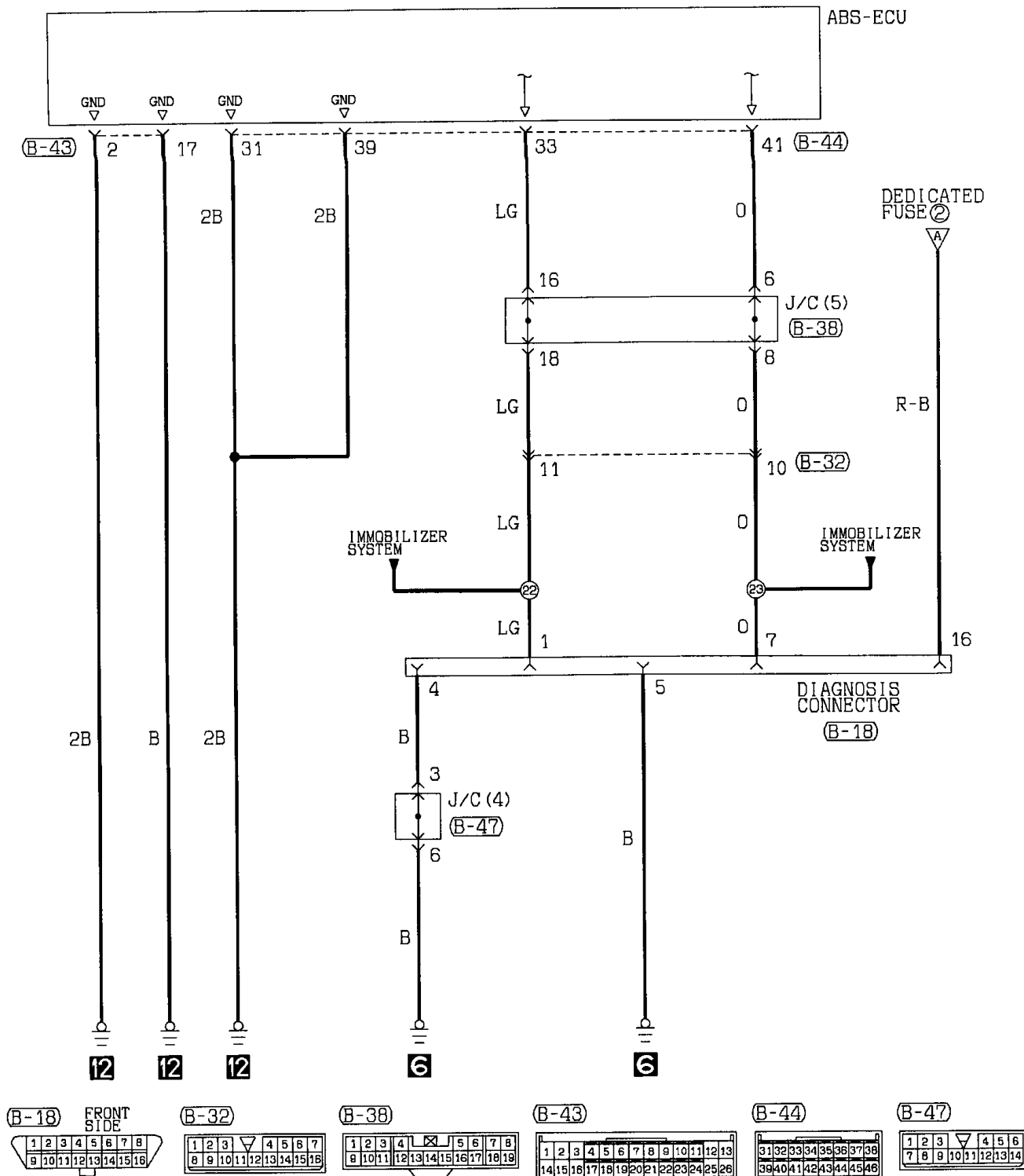
ANTI-SKID BRAKING SYSTEM <L.H. drive vehicles> (CONTINUED)





(D-04) (D-15)
 12 12

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

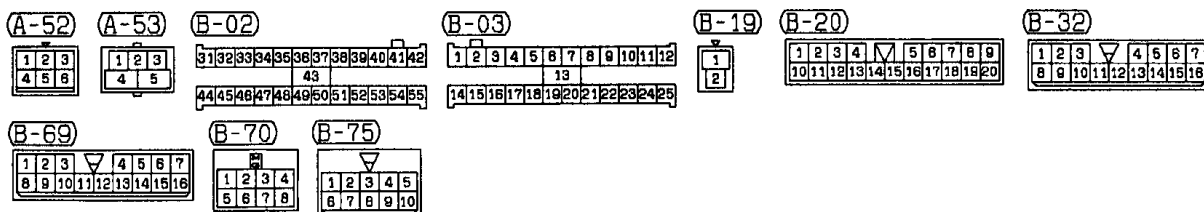
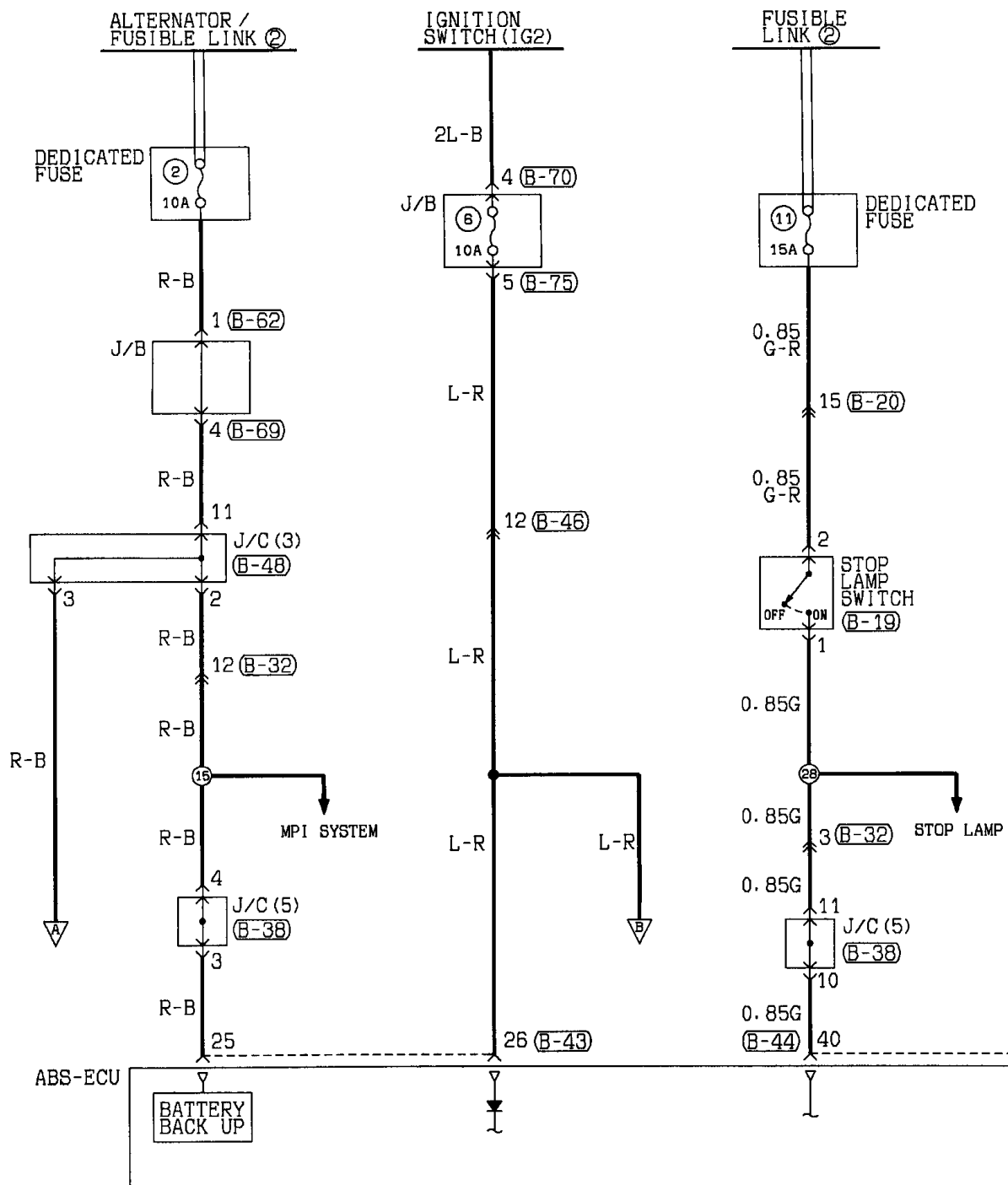


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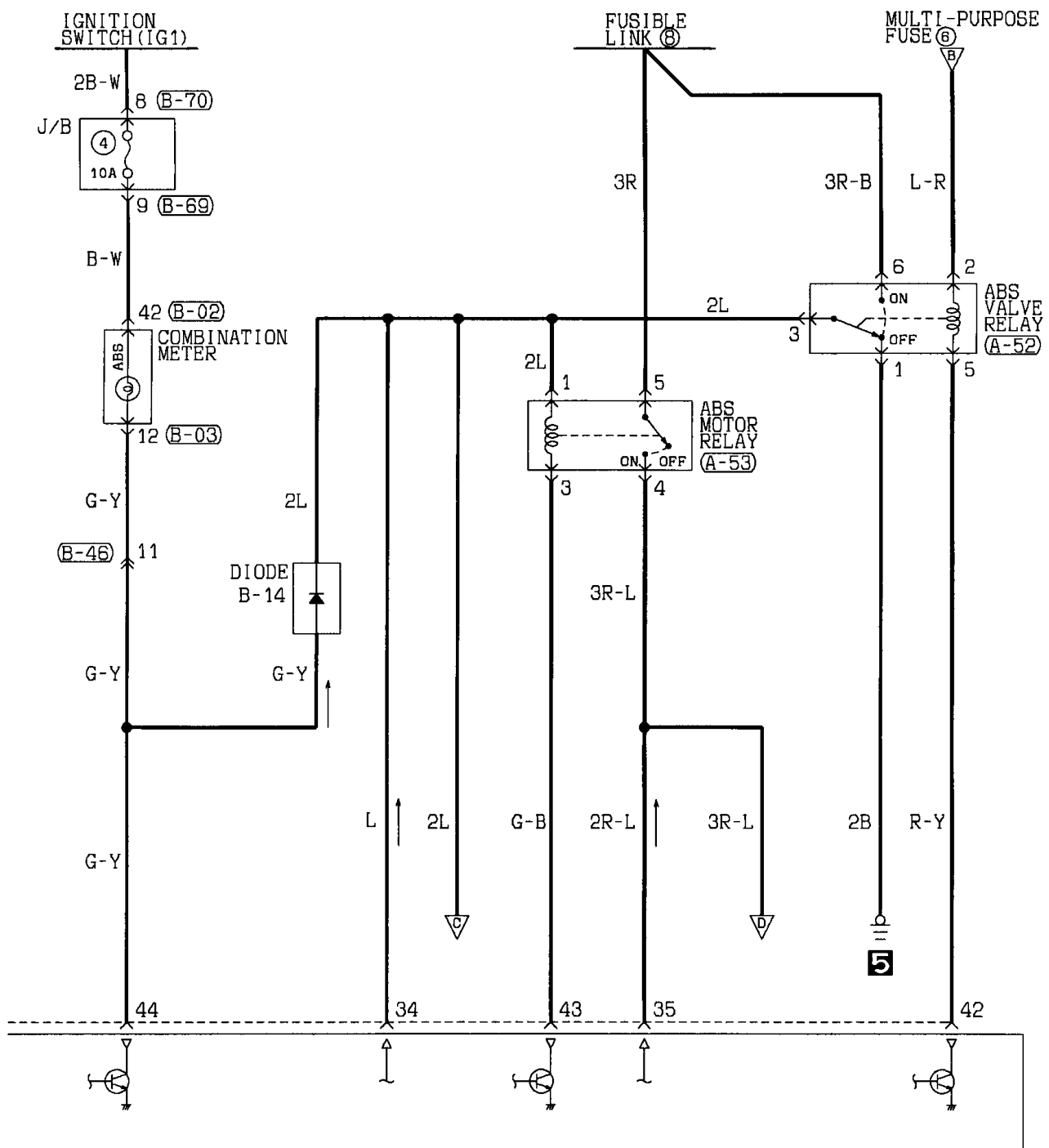
ANTI-SKID BRAKING SYSTEM (ABS)

90100840285

R.H. drive vehicles



HC15E01AA



(B-38)

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-43)

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-44)

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

(B-46)

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

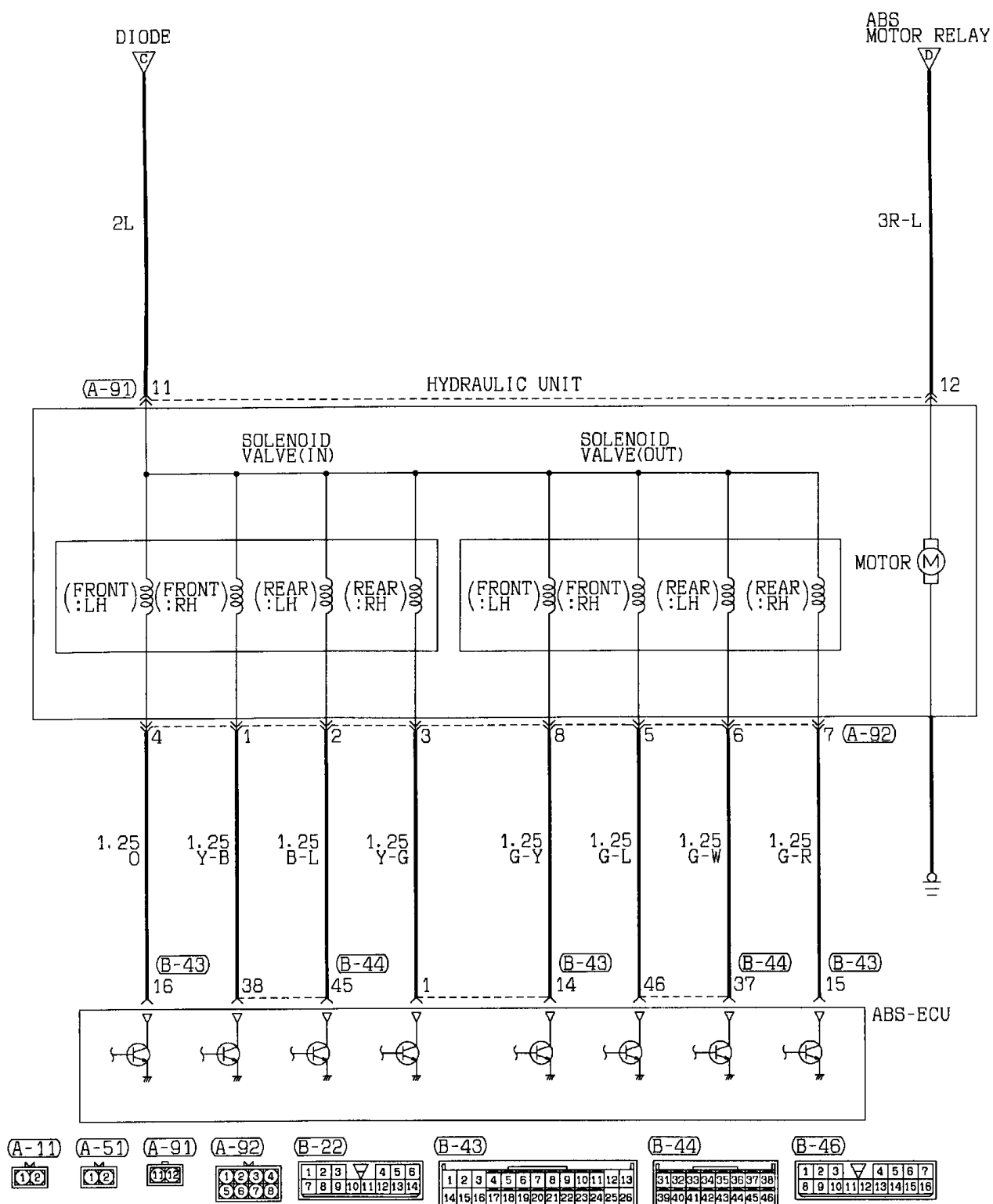
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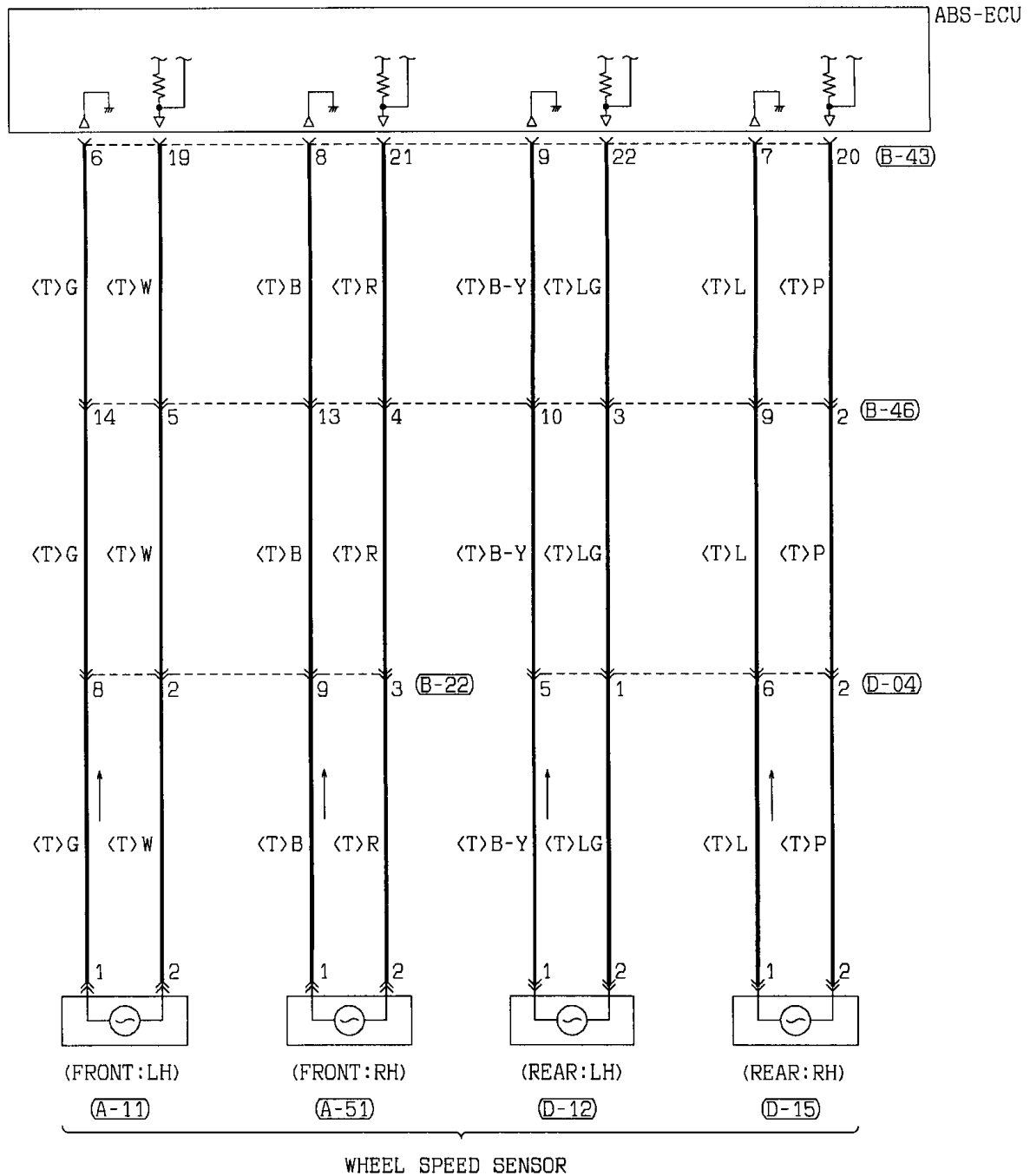
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21

(B-62)

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

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





D-04

1	2	3	4
5	6	7	8

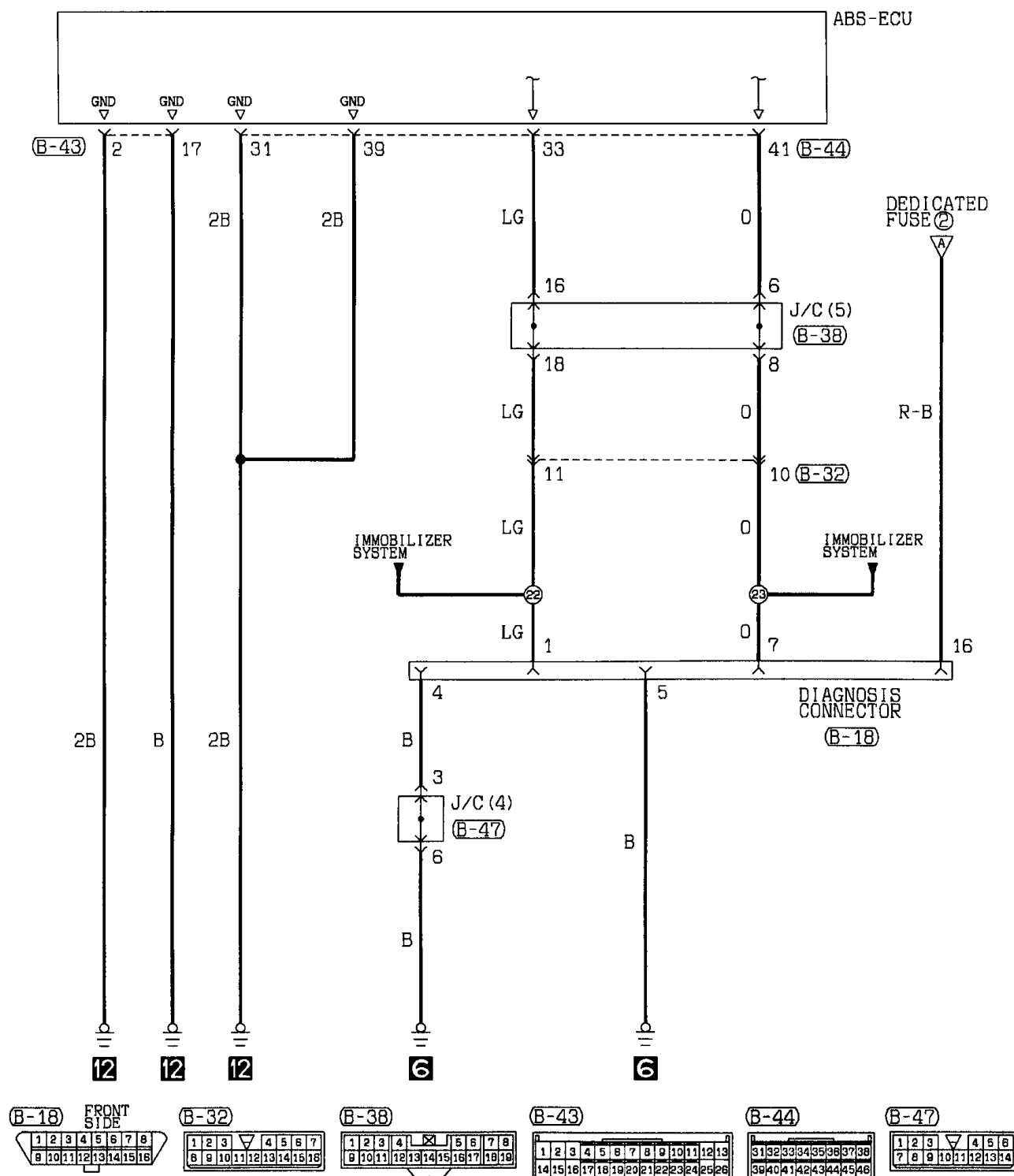
D-12

1	2
---	---

D-15

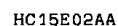
1	2
---	---

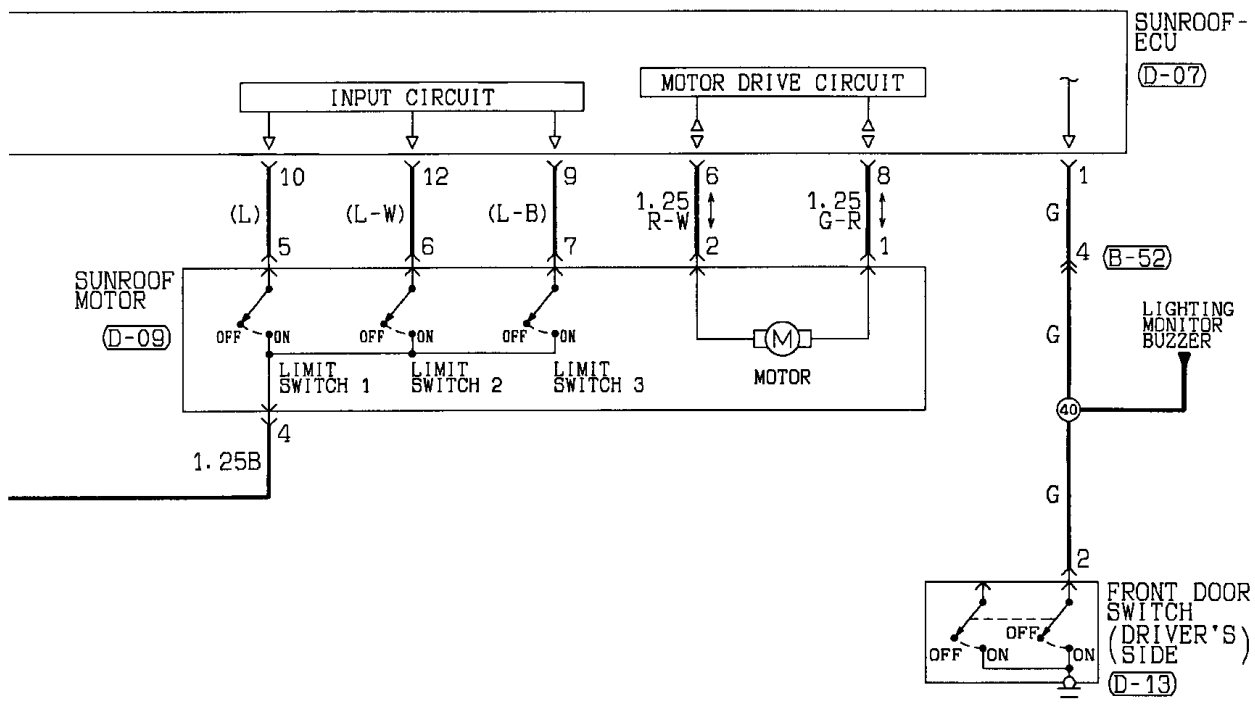
ANTI-SKID BRAKING SYSTEM <R.H. drive vehicles> (CONTINUED)



NOTES

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(D-07)

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

(D-09)

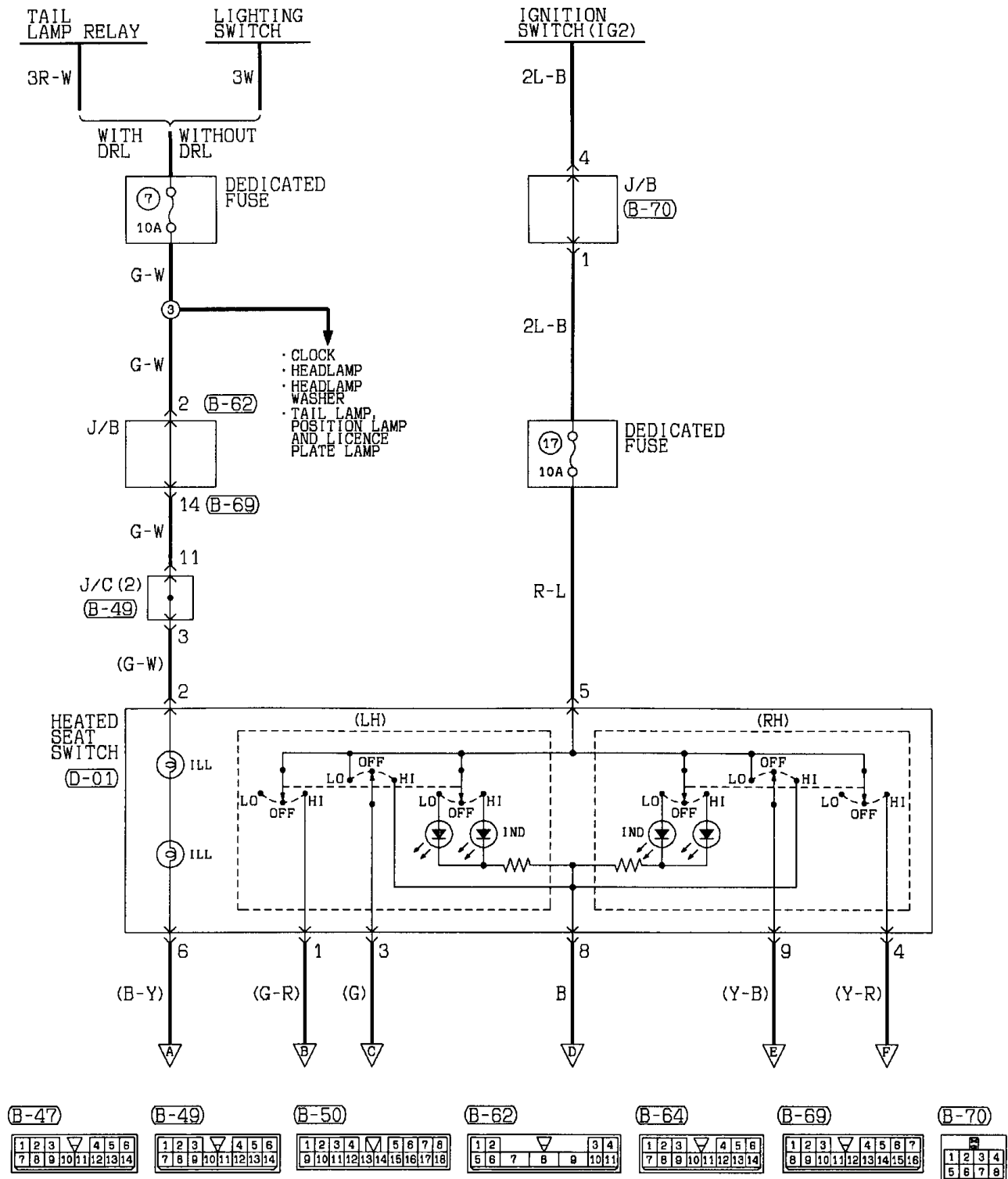
1			2	3
4	5	6	7	8

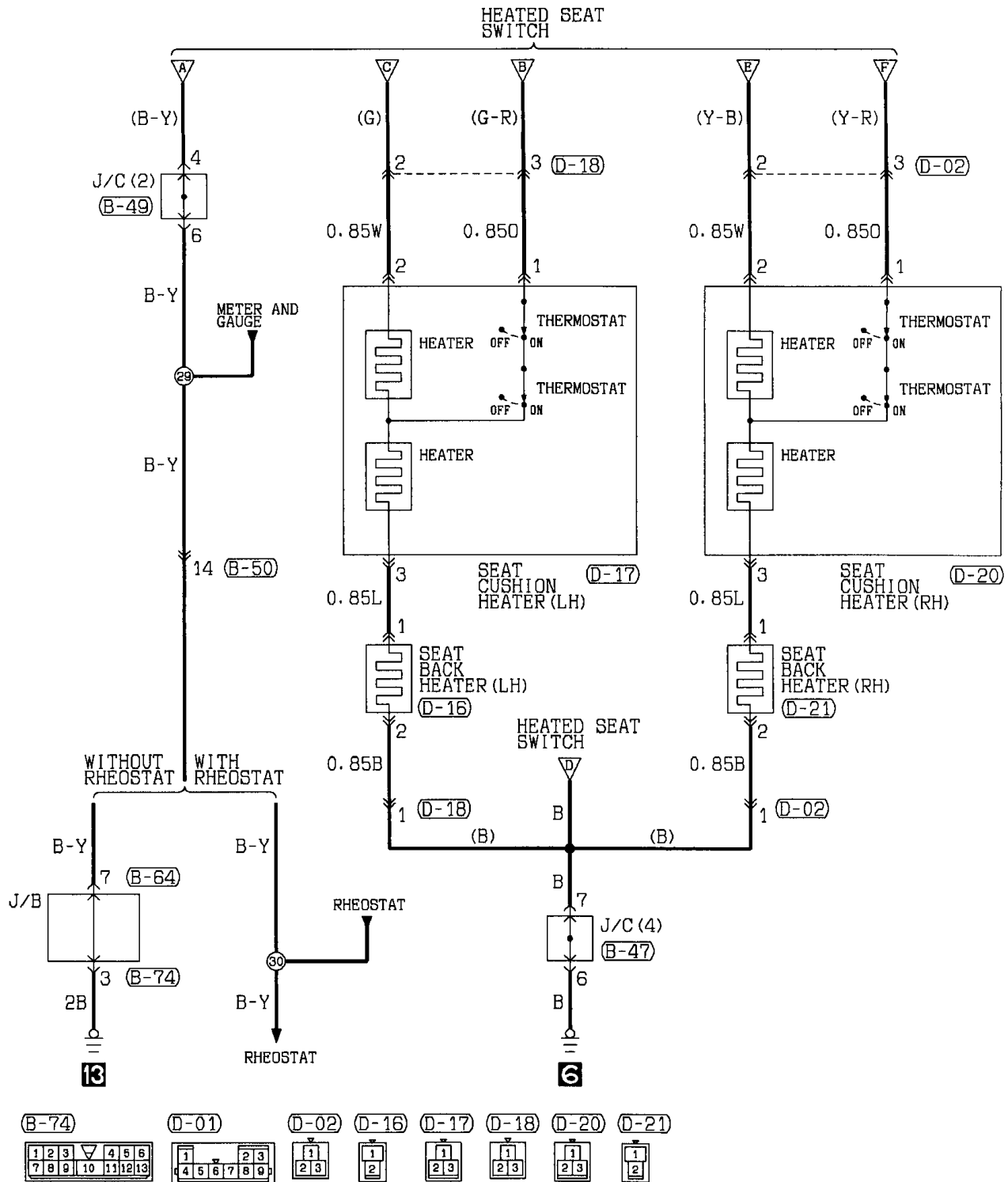
(D-13)

1	2
1	2

HEATED SEAT

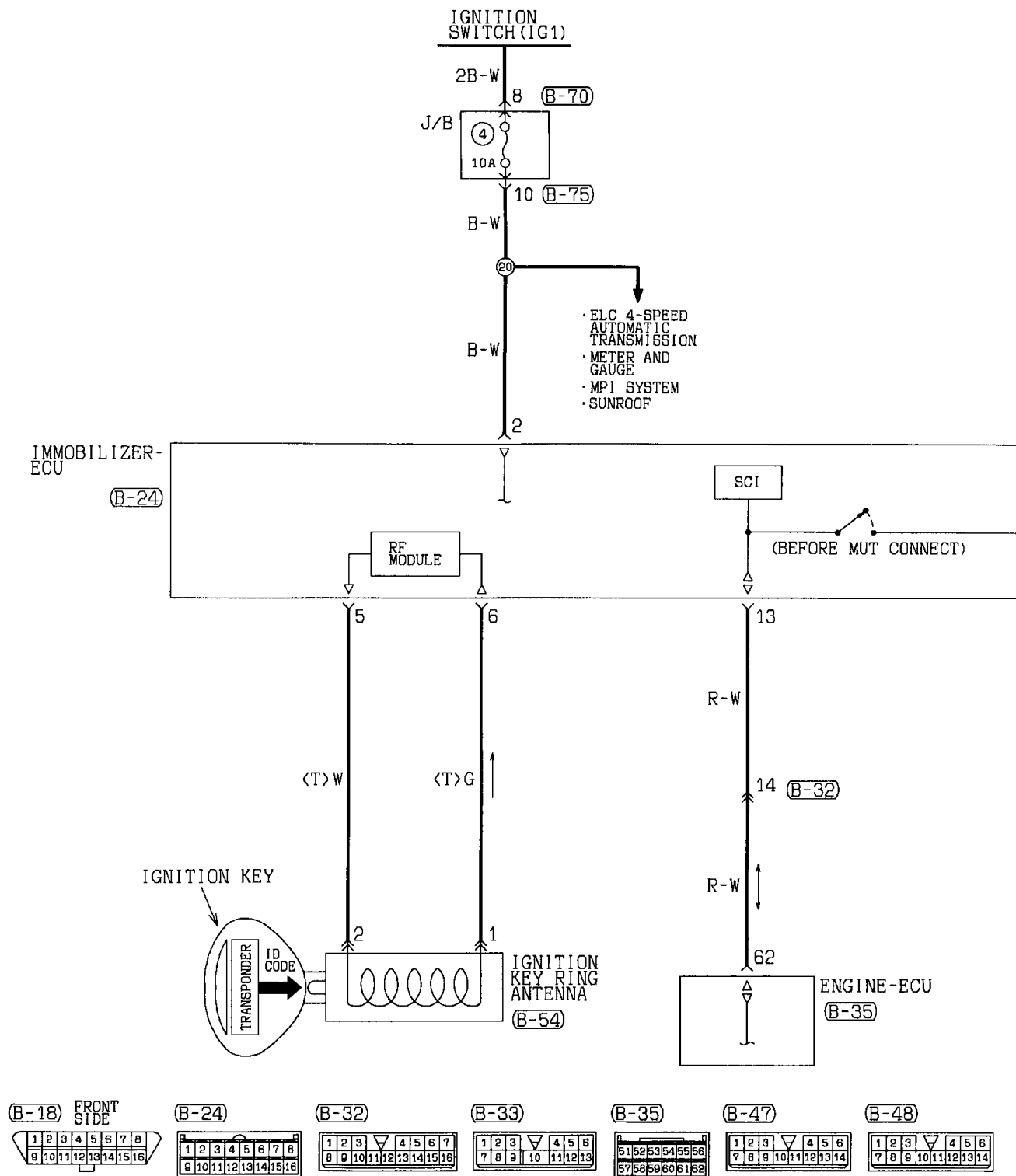
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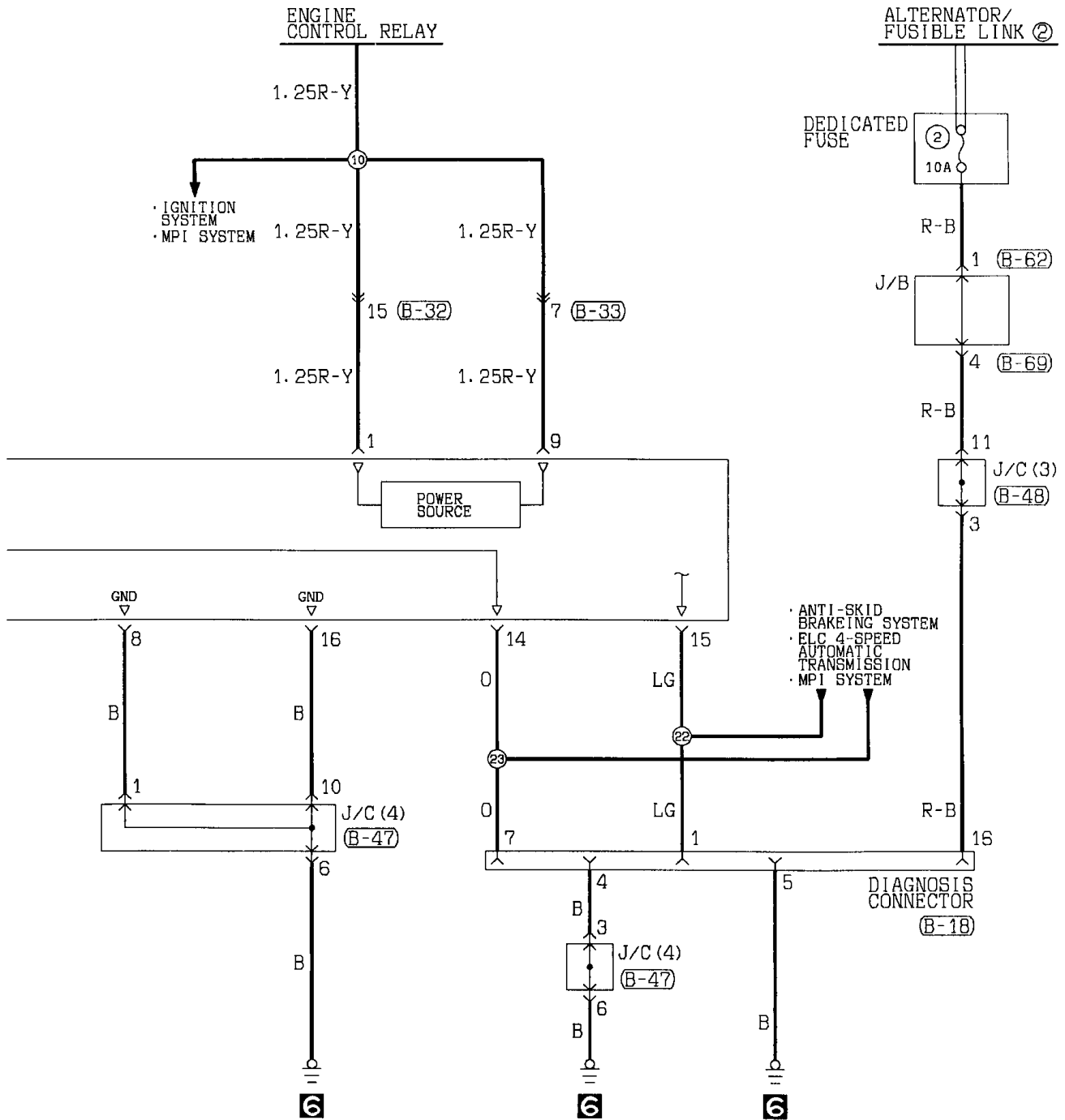




IMMOBILIZER SYSTEM

90101360032





(B-54)

(B-62)

(B-69)

(B-70)

(B-75)

1	2
1	2

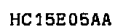
1	2	3	4
5	6	7	8
9	10	11	12

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

1	2	3	4
5	6	7	8

1	2	3	4	5
6	7	8	9	10

90101110026



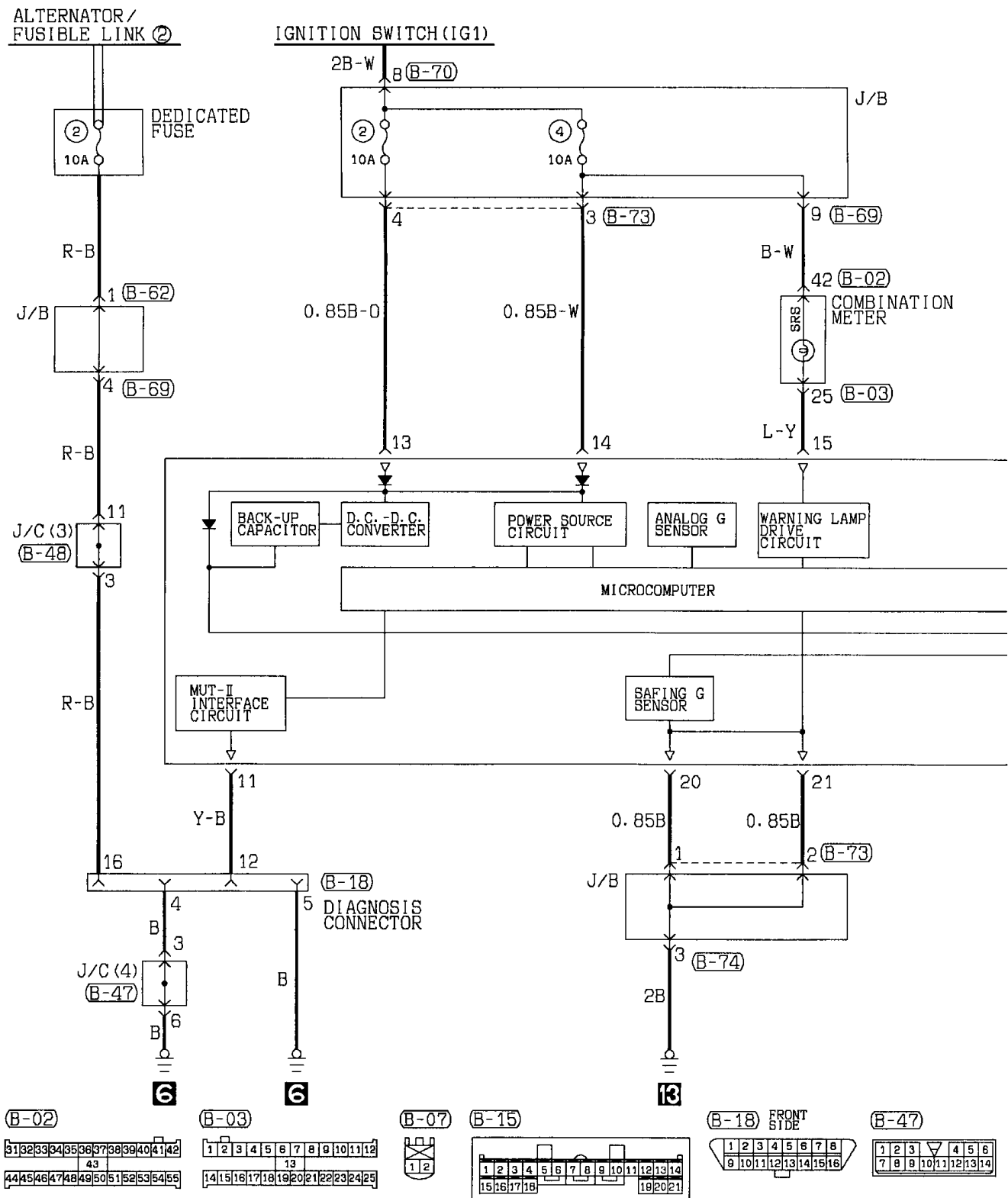
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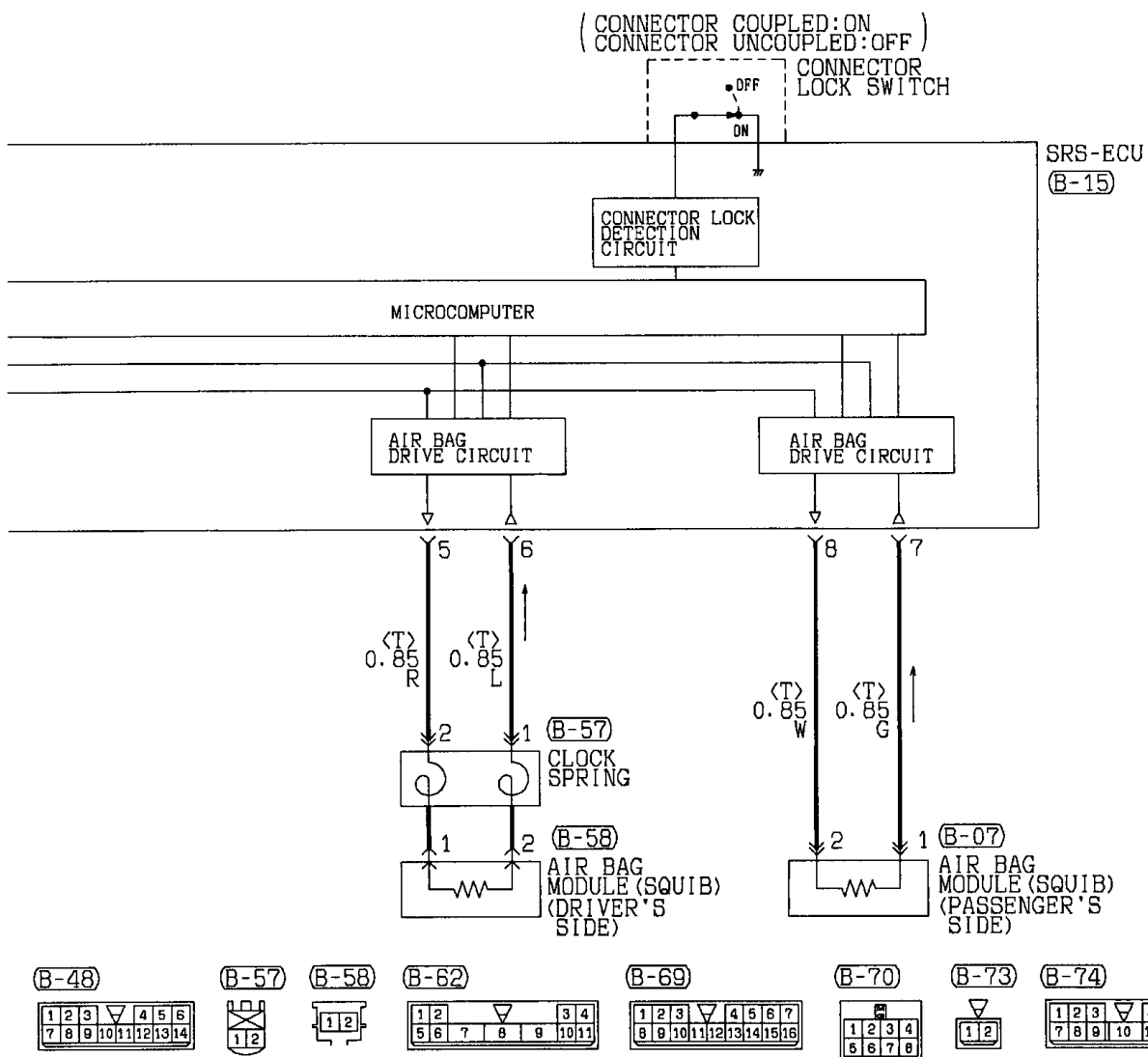
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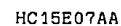
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

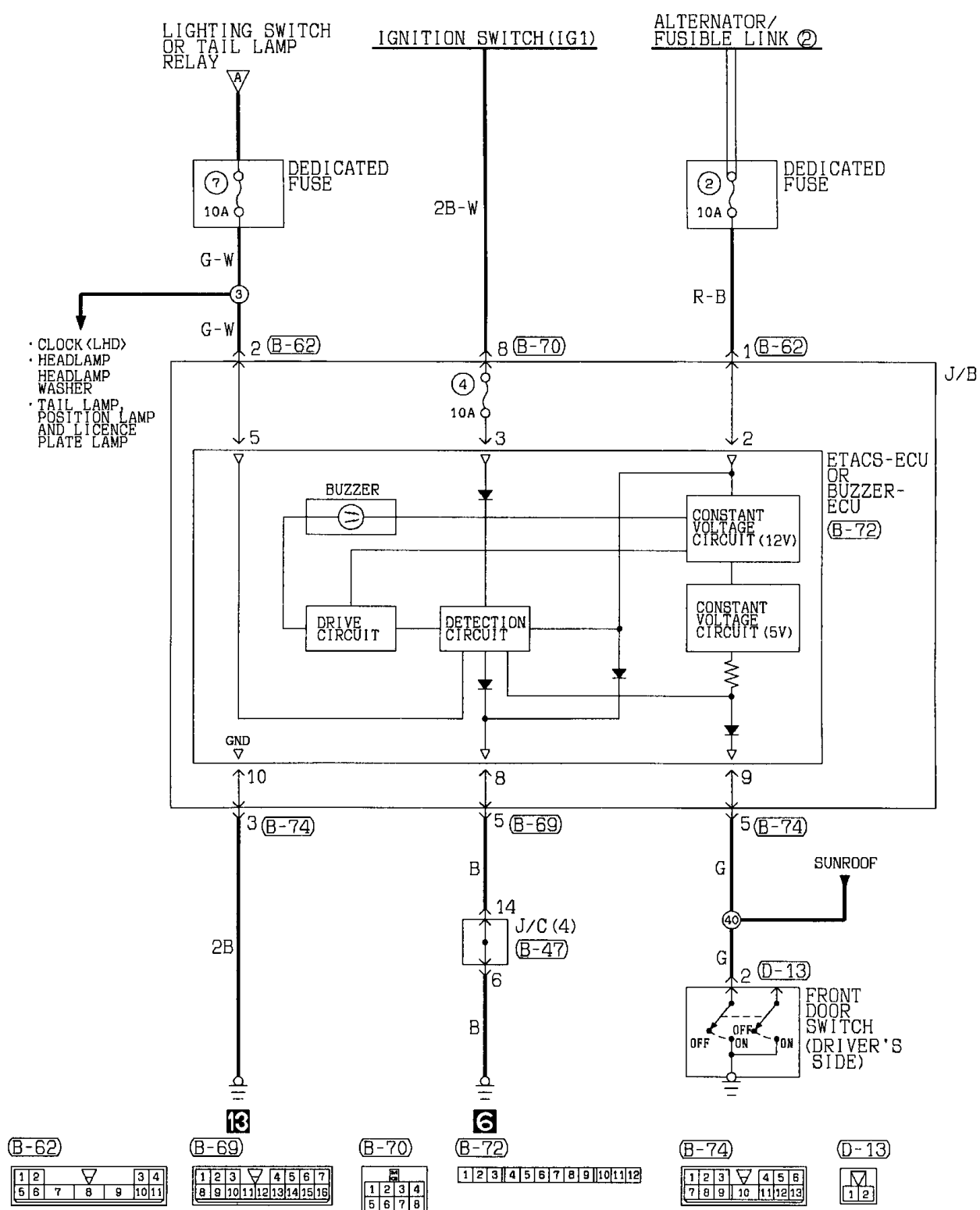
90100970199





90101450043





INDEX (In order of connector No.)

90109010038

	Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A	A-01	Dual pressure switch <A/C>	4-159	2-4, 8, 12, 16
	A-02	Side turn signal lamp (RH)	4-123, 127	2-4, 8, 12, 16
	A-03	A/C wiring harness and control wiring harness combination	4-62, 157, 158, 159	2-4, 8, 12, 16
	A-04	Windshield wiper motor	4-160, 161	2-4, 8, 12, 16
	A-05	Throttle position sensor	4-35, 43, 51, 59, 70, 78	2-4, 8, 12, 16
	A-06	DRL-ECU	4-81, 88, 92, 98, 107, 174, 200	2-4, 12
	A-07	DRL relay 2	4-80	2-4, 12
	A-08	DRL relay 1	4-81	2-4, 12
	A-09	Side turn signal lamp (LH)	4-123, 127	2-4, 8, 12, 16
	A-10	Control wiring harness and front wiring harness combination	4-30, 36, 38, 44, 46, 52, 54, 60, 62, 67, 75, 158	2-4, 8, 12, 16
	A-11	Wheel speed sensor (front:LH) <ABS>	4-181, 187	2-4, 8, 12, 16
	A-12X	Rear fog lamp relay	4-11, 106, 110, 112	2-4, 8, 12, 16
	A-13X	Horn relay <SRS>	4-11, 133	2-4, 8, 12, 16
	A-14X	Tail lamp relay <DRL>	4-11, 15, 81, 88, 92, 98, 106, 200	2-4, 12
	A-15X	Radiator fan relay	4-11, 62, 158	2-4, 8, 12, 16
	A-17X	Headlamp relay	4-11, 15, 21, 80, 84, 106, 110, 112	2-4, 8, 12, 16
	A-19X	Alternator relay	4-11, 28	2-4, 8, 12, 16
	A-20	Battery cable wiring harness and front wiring harness combination	4-28	2-4, 8, 12, 16
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	A-22	A/T control solenoid valve assembly	4-67, 75	2-4, 8, 12, 16
	A-23	Headlamp (LH)	4-80, 84	2-4, 8, 12, 16
	A-24	Headlamp leveling unit (LH)	4-118, 119, 120, 121	2-4, 8, 12, 16
	A-25	Front fog lamp (LH)	4-99, 101, 103	2-5, 8, 13, 16
	A-26	Position lamp (LH)	4-88, 90, 92, 94	2-5, 8, 13, 16
	A-27	Inhibitor switch <A/T>	4-25, 33, 41, 49, 57, 64, 72, 132	2-5, 9, 13, 17
	A-28	Radiator fan motor	4-62, 158	2-5, 9, 13, 17
	A-29	Horn (HI)	4-133, 134	2-5, 9, 13, 17
	A-30	Horn (HI)	4-133, 134	2-5, 9, 13, 17
	A-31	Horn (LO)	4-133, 134	2-5, 9, 13, 17

	Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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	A-34	Starter	4-25	2-5, 9, 13, 17
	A-35	Condenser fan motor	4-62, 158	2-5, 9, 13, 17
	A-36	Position lamp (RH)	4-88, 90, 92, 94	2-5, 9, 13, 17
	A-37	Front fog lamp (RH)	4-99, 101, 103	2-5, 9, 13, 17
	A-38	Headlamp leveling unit (RH)	4-118, 119, 120, 121	2-5, 9, 13, 17
	A-39	Headlamp (RH)	4-80, 84	2-5, 9, 13, 17
	A-40	Oil pressure switch	4-140	2-5, 9, 13, 17
	A-41	Front turn signal lamp (RH)	4-123, 127	2-5, 9, 13, 17
	A-42	Rear washer motor	4-164	2-5, 9, 13, 17
	A-43	Windshield washer motor	4-160, 161	2-5, 9, 13, 17
	A-44	Headlamp washer motor	4-167	2-5, 13
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	A-50X	A/C compressor relay	4-11, 159	2-5, 9, 13, 17
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	A-52	ABS valve relay	4-179, 185	2-6, 10, 14, 18
	A-53	ABS motor relay	4-179, 185	2-6, 10, 14, 18
	A-54	Vacuum sensor <4G13>	4-35, 43	2-6, 10
	A-55	Air bypass solenoid valve <MVV>	4-50, 58	2-14, 18
	A-56	Idle speed control servo	4-35, 43, 51, 59	2-6, 10, 14, 18
	A-57	Ignition timing adjustment connector <4G13>	4-26, 32, 40	2-6, 10
	A-58	Brake fluid level sensor	4-141	2-6, 10, 14, 18
	A-59	Fuel pump check connector	4-31, 39, 47, 55	2-6, 10, 14, 18
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	Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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	A-68	Distributor assembly <4G13>	4-26, 32, 40	2-6, 10
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	A-70	Camshaft position sensor <4G92>	4-50, 58	2-14, 18
	A-71	Engine coolant temperature gauge unit	4-137	2-6, 10, 14, 18
	A-72	Engine coolant temperature sensor	4-35, 43, 50, 58	2-7, 11, 14, 19
	A-73	Ignition coil 1 <4G92>	4-27, 48, 56	2-15, 19
	A-74	Injector 4	4-35, 43, 51, 59	2-7, 11, 15, 19
	A-75	Injector 3	4-35, 43, 51, 59	2-7, 11, 15, 19
	A-76	Injector 2	4-35, 43, 51, 59	2-7, 11, 15, 19
	A-77	A/C refrigerant temperature switch and magnetic clutch	4-159	2-7, 11, 15, 19
	A-78	Power steering oil pressure switch	4-36, 44, 52, 60	2-7, 11, 15, 19
	A-79	Ignition coil 2 <4G92>	4-27, 48, 56	2-15, 19
	A-80	Injector 1	4-35, 43, 51, 59	2-7, 11, 15, 19
	A-81	Purge control solenoid valve	4-34, 42, 50, 58	2-7, 11, 15, 19
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	A-92	ABS hydraulic unit	4-180, 186	2-7, 11, 15, 19

	Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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D	DRL relay 2	A-07	4-80	2-4, 12
	DRL-ECU	A-06	4-81, 88, 92, 98, 107, 174, 200	2-4, 12
	Dual pressure switch <A/C>	A-01	4-159	2-4, 8, 12, 16
E	EGR solenoid valve <except MVV>	A-88	4-34, 42, 50, 58	2-7, 11, 15, 19
	EGR solenoid valve <MVV>	A-89	4-50, 58	2-15, 19
	ELC-4A/T-ECU	B-39	4-36, 44, 52, 60, 64, 66, 67, 69, 70, 71, 72, 74, 75, 77, 78, 79	2-23, 29
	ELC-4A/T-ECU	B-41	4-65, 66, 67, 69, 70, 73, 74, 75, 77, 78	2-23, 29
	ELC-4A/T-ECU	B-42	64, 67, 69, 71, 72, 75, 77, 79, 159	2-23, 29
	Engine control relay	B-13	4-30, 38, 46, 54	2-20, 26
	Engine coolant temperature gauge unit	A-71	4-137	2-6, 10, 14, 18
	Engine coolant temperature sensor	A-72	4-35, 43, 50, 58	2-7, 11, 14, 19
	Engine ECU	B-34	4-26, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 46, 47, 49, 50, 51, 52, 54, 55, 57, 58, 59, 60, 70, 78	2-22, 28
	Engine ECU	B-35	4-26, 27, 32, 34, 36, 37, 40, 42, 44, 45, 48, 50, 52, 53, 56, 58, 60, 61, 70, 78, 194	2-22, 28
	Engine ECU	B-36	4-28, 30, 31, 36, 38, 39, 44, 46, 47, 50, 52, 54, 55, 58, 60, 159	2-22, 28
	Engine ECU	B-37	4-26, 27, 30, 31, 32, 34, 35, 36, 38, 39, 40, 42, 43, 44, 46, 47, 48, 50, 51, 52, 54, 55, 56, 58, 59, 60, 62, 70, 78, 158, 159	2-22, 28
	Engine speed detection connector	A-90	4-26, 27, 32, 40, 48, 56	2-7, 11, 15, 19
	ETACS-ECU	B-71	4-144, 145, 146, 147	2-24, 30
F	Front door lock actuator (driver's side)	E-05	4-144, 145, 146, 147	2-38, 40
	Front door lock actuator (passenger's side)	E-12	4-145, 147	2-39, 40
	Front door switch (driver's side)	D-13	4-115, 116, 191, 201	2-34, 35, 36, 37
	Front door switch (passenger's side)	D-03	4-115, 116	2-34, 35, 36, 37
	Front door wiring harness (driver's side) and body wiring harness combination	B-23	4-144, 145, 146, 147, 148, 149, 150, 151, 169, 170, 171, 172	2-21, 27
	Front door wiring harness (passenger's side) and body wiring harness combination	B-10	4-144, 145, 146, 147, 148, 150, 169, 170, 171, 172	2-20, 26
	Front fog lamp (LH)	A-25	4-99, 101, 103	2-5, 8, 13, 16

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
F	Front fog lamp (RH)	A-37	4-99, 101, 103	2-5, 9, 13, 17
	Front fog lamp switch	C-02	4-99, 101, 103	2-32, 33
	Front speaker (driver's side)	E-06	4-172	2-38, 40
	Front speaker (passenger's side)	E-13	4-172	2-39, 41
	Front turn signal lamp (LH)	A-21	4-123, 127	2-4, 8, 12, 16
	Front turn signal lamp (RH)	A-41	4-123, 127	2-5, 9, 13, 17
	Front wiring harness and body wiring harness combination	B-20	4-21, 28, 66, 74, 80, 81, 82, 84, 88, 90, 92, 94, 98, 99, 100, 101, 102, 103, 106, 107, 110, 112, 118, 119, 120, 121, 122, 126, 130, 131, 133, 134, 141, 160, 161, 164, 174, 178, 184, 200	2-21, 27
	Front wiring harness and body wiring harness combination	B-21	4-14, 20, 21, 80, 82, 84, 88, 90, 92, 94, 98, 100, 102, 107, 110, 112, 148, 150, 200	2-21, 27
	Front wiring harness and body wiring harness combination	B-22	4-112, 167, 181, 187	2-21, 27
	Front wiring harness and J/B combination	B-62	4-4, 17, 18, 23, 24, 28, 30, 37, 38, 45, 46, 53, 54, 61, 66, 68, 71, 74, 76, 79, 81, 88, 90, 92, 94, 98, 100, 102, 106, 107, 110, 112, 115, 116, 122, 123, 126, 127, 133, 134, 136, 138, 144, 146, 154, 156, 167, 168, 172, 173, 174, 175, 176, 178, 184, 190, 192, 195, 198, 200, 201	2-24, 30
	Front wiring harness and J/B combination	B-67	4-4, 18, 24, 145, 147, 154, 156, 168, 190	2-24, 30
	Fuel gauge unit	D-10	4-137, 140	2-34, 35, 36, 37
	Fuel pump	D-14	4-31, 39, 47, 55	2-34, 35, 36, 37
	Fuel pump check connector	A-59	4-31, 39, 47, 55	2-6, 10, 14, 18
	Fuel pump relay	B-12	4-31, 39, 47, 55	2-20, 26
	Fuel pump wiring harness and body wiring harness combination	D-04	4-31, 39, 47, 55, 137, 140, 181, 187	2-34, 35, 36, 37
H	Hazard warning switch	C-05	4-122	2-32, 33
	Headlamp (LH)	A-23	4-80, 84	2-4, 8, 12, 16
	Headlamp (RH)	A-39	4-80, 84	2-5, 9, 13, 17
	Headlamp leveling sub wiring harness and instrument panel wiring harness combination <Sedan>	C-11	4-120, 121	2-32, 33
	Headlamp leveling switch	C-12	4-118, 119, 120, 121	2-32, 33
	Headlamp leveling unit (LH)	A-24	4-118, 119, 120, 121	2-4, 8, 12, 16

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
H	Headlamp leveling unit (RH)	A-38	4-118, 119, 120, 121	2-5, 9, 13, 17
	Headlamp relay	A-17X	4-11, 15, 21, 80, 84, 106, 110, 112	2-4, 8, 12, 16
	Headlamp washer motor	A-44	4-167	2-5, 13
	Headlamp washer relay	A-85	4-167	2-7, 15
	Heated seat switch	D-01	4-192	2-34, 36
	High mounted stop lamp (Rear shelf)	F-18	4-131	2-44
	High mounted stop lamp (Rear spoiler)	F-19	4-131	2-44
	High mounted stop lamp (Tailgate)	F-03	4-130	2-42
	Horn (HI)	A-29	4-133, 134	2-5, 9, 13, 17
	Horn (HI)	A-30	4-133, 134	2-5, 9, 13, 17
	Horn (LO)	A-31	4-133, 134	2-5, 9, 13, 17
	Horn (LO)	A-32	4-133, 134	2-5, 9, 13, 17
	Horn relay <SRS>	A-13X	4-11, 133	2-4, 8, 12, 16
	Horn switch <SRS>	B-59	4-133	2-24, 30
I	Idle speed control servo	A-56	4-35, 43, 51, 59	2-6, 10, 14, 18
	Ignition coil 1 <4G92>	A-73	4-27, 48, 56	2-15, 19
	Ignition coil 2 <4G92>	A-79	4-27, 48, 56	2-15, 19
	Ignition key ring antenna <Vehicles with immobilizer system>	B-54	4-194	2-24, 30
	Ignition switch	B-55	4-16, 22	2-24, 30
	Ignition timing adjustment connector <4G13>	A-57	4-26, 32, 40	2-6, 10
	Immobilizer-ECU	B-24	4-37, 45, 53, 61, 194, 195	2-22, 28
	Inhibitor switch <A/T>	A-27	4-25, 33, 41, 49, 57, 64, 72, 132	2-5, 9, 13, 17
	Injector 1	A-80	4-35, 43, 51, 59	2-7, 11, 15, 19
	Injector 2	A-76	4-35, 43, 51, 59	2-7, 11, 15, 19
	Injector 3	A-75	4-35, 43, 51, 59	2-7, 11, 15, 19
	Injector 4	A-74	4-35, 43, 51, 59	2-7, 11, 15, 19
	Input shaft speed sensor <A/T>	A-67	4-65, 73	2-6, 10, 14, 18
	Instrument panel wiring harness and body wiring harness combination	B-50	4-68, 76, 98, 99, 100, 101, 102, 103, 106, 108, 110, 111, 112, 113, 118, 119, 120, 121, 122, 126, 136, 155, 157, 168, 170, 171, 173, 174, 193, 196	2-23, 29

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
I	Instrument panel wiring harness and J/B combination	B-64	4-4, 98, 99, 100, 101, 102, 103, 106, 108, 110, 111, 112, 113, 118, 119, 120, 121, 122, 126, 136, 155, 157, 168, 170, 171, 173, 174, 175, 176, 193, 196	2-24, 30
	Intake air temperature sensor <4G13>	A-86	4-34, 42	2-7, 11
J	J/C (2)	B-49	4-6, 68, 76, 136, 155, 157, 168, 173, 190, 192, 193, 196	2-23, 29
	J/C (3)	B-48	4-6, 30, 37, 38, 45, 46, 53, 54, 61, 66, 71, 74, 79, 138, 144, 146, 148, 150, 154, 156, 172, 178, 184, 195, 198	2-23, 29
	J/C (4)	B-47	4-6, 37, 45, 53, 61, 68, 71, 76, 79, 108, 111, 113, 124, 128, 136, 137, 138, 144, 146, 148, 150, 160, 161, 164, 168, 182, 188, 193, 195, 198, 201	2-23, 29
	J/C (5)	B-38	4-6, 37, 45, 53, 61, 66, 69, 71, 74, 77, 79, 159, 178, 182, 184, 188	2-22, 28
	J/C (1)	B-51	4-6, 82, 88, 90, 92, 94, 98, 99, 101, 103, 107, 118, 119, 120, 121, 123, 127, 141, 160, 161, 164, 200	2-23, 29
L	Licence plate lamp (LH)	F-11	4-89, 91, 93, 95	2-42, 43, 44, 45
	Licence plate lamp (RH)	F-10	4-89, 91, 93, 95	2-42, 44, 45
	Licence plate lamp wiring harness and rear wiring harness combination	F-13	4-89, 91, 108, 111, 113	2-42, 43
	Luggage compartment lamp	F-15	4-115, 116	2-42, 43, 44, 45
	Luggage compartment lamp switch	F-20	4-116	2-44, 45
O	Oil pressure switch	A-40	4-140	2-5, 9, 13, 17
	Output shaft speed sensor <A/T>	A-62	4-65, 73	2-6, 10, 14, 18
	Oxygen sensor (front) <4G13>	A-87	4-34, 42	2-7, 11
	Oxygen sensor (rear) <4G13>	B-40	4-34, 42	2-23, 29
	Oxygen sensor <4G92(except MVV)>	A-87	4-50, 58	2-15, 19
	Oxygen sensor <MVV>	A-69	4-50, 58	2-14, 18
P	Parking brake switch	D-19	4-141	2-34, 35, 36, 37
	Position lamp (LH)	A-26	4-88, 90, 92, 94	2-5, 8, 13, 16
	Position lamp (RH)	A-36	4-88, 90, 92, 94	2-5, 9, 13, 17
	Power steering oil pressure switch	A-78	4-36, 44, 52, 60	2-7, 11, 15, 19
	Power window limit switch (driver's side)	E-04	4-149, 151	2-38, 40

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
P	Power window limit switch (passenger's side)	E-10	4-148, 150	2-39, 40
	Power window limit switch (rear:LH)	E-15	4-152	2-41
	Power window limit switch (rear:RH)	E-19	4-152	2-41
	Power window main switch	E-02	4-148, 149, 150, 151	2-38, 40
	Power window motor (driver's side)	E-03	4-149, 151	2-38, 40
	Power window motor (passenger's side)	E-09	4-148, 150	2-39, 40
	Power window relay	B-27X	4-12, 148, 150	2-22, 28
	Power window sub switch	E-08	4-148, 150	2-38, 40
	Purge control solenoid valve	A-81	4-34, 42, 50, 58	2-7, 11, 15, 19
R	Radiator fan motor	A-28	4-62, 158	2-5, 9, 13, 17
	Radiator fan relay	A-15X	4-11, 62, 158	2-4, 8, 12, 16
	Radio and tape player	B-06	4-172, 173	2-20, 26
	Rear combination lamp (LH)	F-14	4-89, 91, 93, 95, 124, 127, 130, 131, 132	2-42, 43, 44, 45
	Rear combination lamp (RH)	F-08	4-89, 91, 93, 95, 124, 127, 130, 131, 132	2-42, 43, 44, 45
	Rear door lock actuator (LH)	E-16	4-145, 147	2-41
	Rear door lock actuator (RH)	E-20	4-145, 147	2-41
	Rear door switch (LH)	F-21	4-116	2-44, 45
	Rear door switch (RH)	F-17	4-116	2-44, 45
	Rear door wiring harness (LH) and body wiring harness combination	D-23	4-145, 147, 152	2-36, 37
	Rear door wiring harness (RH) and body wiring harness combination	D-22	4-145, 147, 152	2-36, 37
	Rear fog lamp (LH)	F-12	4-108, 111, 113	2-42, 44, 45
	Rear fog lamp (RH)	F-09	4-108, 111, 113	2-43, 44, 45
	Rear fog lamp relay	A-12X	4-11, 106, 110, 112	2-4, 8, 12, 16
	Rear fog lamp switch	C-03	4-108, 111, 113	2-32, 33
	Rear intermittent wiper relay	B-25X	4-12, 164	2-22, 28
	Rear power window motor (LH)	E-17	4-152	2-41
	Rear power window motor (RH)	E-21	4-152	2-41
	Rear power window sub switch (LH)	E-14	4-152	2-41
	Rear power window sub switch (RH)	E-18	4-152	2-41

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
R	Rear speaker (LH)	F-16	4-172	2-42, 43, 44, 45
	Rear speaker (RH)	F-01	4-172	2-42, 43, 44, 45
	Rear washer motor	A-42	4-164	2-5, 9, 13, 17
	Rear wiper motor	F-06	4-165	2-42, 43
	Rear wiring harness and body wiring harness combination	D-11	4-89, 91, 93, 95, 108, 111, 113, 115, 116, 124, 127, 130, 131, 132, 165, 169, 172	2-34, 35, 36, 37
	Remote controlled mirror (driver's side)	E-01	4-169, 170, 171	2-38, 40
	Remote controlled mirror (passenger's side)	E-07	4-169, 170, 171	2-38, 40
	Remote controlled mirror switch	C-04	4-170, 171	2-32, 33
	Resistor	B-31	4-155, 156	2-22, 28
	Rheostat	C-01	4-196	2-32, 33
	Roof wiring harness and body wiring harness combination <Sunroof>	B-52	4-190, 191	2-23, 29
	Roof wiring harness and J/B combination	B-68	4-4, 115, 116	2-24, 30
	Room lamp <with sunroof>	D-05	4-115, 116	2-34, 35, 36, 37
	Room lamp <without sunroof>	D-08	4-115, 116	2-34, 35, 36, 37
S	Seat back heater (LH)	D-16	4-193	2-34, 36
	Seat back heater (RH)	D-21	4-193	2-34, 36
	Seat cushion heater (LH)	D-17	4-193	2-34, 36
	Seat cushion heater (RH)	D-20	4-193	2-34, 36
	Side turn signal lamp (LH)	A-09	4-123, 127	2-4, 8, 12, 16
	Side turn signal lamp (RH)	A-02	4-123, 127	2-4, 8, 12, 16
	SRS-ECU	B-15	4-198, 199	2-21, 27
	Starter	A-33	4-25	2-5, 9, 13, 17
	Starter	A-34	4-25	2-5, 9, 13, 17
	Stop lamp switch	B-19	4-66, 74, 130, 131, 178, 184	2-21, 27
	Sunroof motor	D-09	4-191	2-34, 35, 36, 37
	Sunroof switch	D-06	4-190	2-34, 35, 36, 37
	Sunroof-ECU	D-07	4-190, 191	2-34, 35, 36, 37
T	Tail lamp relay <DRL>	A-14X	4-11, 15, 81, 88, 92, 98, 106, 200	2-4, 12
	Tailgate switch	F-07	4-115	2-42, 43

	Parts name	Connector No	Circuit diagram page	Wiring diagram page
T	Tailgate wiring harness and rear wiring harness combination	F-02	4-115, 130, 165, 169	2-42, 43
	Thermostat<A/C>	B-08	4-157	2-20, 26
	Throttle position sensor	A-05	4-35, 43, 51, 59, 70, 78	2-4, 8, 12, 16
	Turn-signal and hazard warning flasher unit	B-63	4-4, 122, 126	2-24, 30
V	Vacuum sensor <4G13>	A-54	4-35, 43	2-6, 10
	Vehicle speed sensor	A-60	4-36, 44, 52, 60, 69, 77, 138	2-6, 10, 14, 18
W	Wheel speed sensor (front.LH) <ABS>	A-11	4-181, 187	2-4, 8, 12, 16
	Wheel speed sensor (front.RH) <ABS>	A-51	4-181, 187	2-5, 9, 13, 17
	Wheel speed sensor (rear.LH) <ABS>	D-12	4-181, 187	2-34, 35, 36, 37
	Wheel speed sensor (rear RH) <ABS>	D-15	4-181, 187	2-34, 35, 36, 37
	Wide open throttle switch <A/T>	B-17	4-69, 77	2-21, 27
	Windshield washer motor	A-43	4-160, 161	2-5, 9, 13, 17
	Windshield wiper motor	A-04	4-160, 161	2-4, 8, 12, 16