



# Workshop Manual

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**electrical wiring**

SUPPLEMENT

## **SPACE RUNNER 2000**

# SPACE RUNNER

## ELECTRICAL WIRING SUPPLEMENT

### FOREWORD

This publication is a supplement to the Electrical Wiring Manual Pub. No. PHDE9802 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  
PYDE9802

WORKSHOP MANUAL  
CHASSIS GROUP  
PWDE9803  
PWDE9803-A (Supplement)

ELECTRICAL WIRING  
PHDE9802

BODY REPAIR MANUAL  
PBDE9802

ENGINE GROUP  
PWEE□□□□  
(Looseleaf edition)

PARTS CATALOGUE  
B608W509A□

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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# **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 personnel must thoroughly review this manual, and especially its GROUP 52B—Supplemental Restraint System (SRS), before beginning any service or maintenance of any component of the SRS or any SRS-related component.

## **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.

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# OUTLINE OF CHANGES

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**MODELS****<SPACE RUNNER>**

Model code		Engine model	Transmission model	Fuel supply system
N63W	SNUJL6	4G63-SOHC-MPI (1,997 ml)	F5M42 (2WD-5M/T)	MPI
	SNUEL6/R6			
	SNFEL6		F4A42 (2WD-4A/T)	
	SRUJL6			
	SRUEL6/R6			
	SRFEL6			
N64W	SNHGL6	4G64-DOHC-GDI (2,351 ml)	F5M42 (2WD-5M/T)	GDI
	SNHCL6			
	SNGCL6		F4A42 (2WD-4A/T)	
	SRHGL6			
	SRHCL6			
	SRGCL6			

**<SPACE WAGON>**

Model code		Engine model	Transmission model	Fuel supply system
N84W	LNUCL6/R6	4G64-DOHC-GDI (2,351 ml)	F5M42 (2WD-5M/T)	GDI
	LNFCCL6			
	LNUGL6			
	LNHCL6/R6			
	LNGCL6			
	LNHGL6			
	LRUCL6/R6		F4A42 (2WD-4A/T)	
	LRFCCL6			
	LRUGL6			
	LRHCL6/R6			
	LRGCL6			
	LRHGL6			
N94W	LNUCL6/R6		W5M42 (4WD-5M/T)	
	LNFCCL6			
	LNHCL6/R6			
	LNGCL6			

## ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

### 1. Abbreviation symbols used for system name

Abbreviation symbol	Meaning
EBD	Electrical brake force distribution

## WIRING HARNESS CONFIGURATION DIAGRAMS

Connector symbol	Name	Reference page	Description of changes	
A	ENGINE COMPARTMENT	SPACE RUNNER <4G63-MPI (L.H. drive vehicles>	2-2	<ul style="list-style-type: none"> <li>New wiring harness configuration diagrams have been established to correspond to the addition of vehicles with 4G63-MPI engine and 4G64-GDI engine.</li> </ul>
		SPACE RUNNER <4G63-MPI (R.H. drive vehicles>	2-6	
		SPACE RUNNER <4G64-GDI (L.H. drive vehicles>	2-10	
		SPACE WAGON <4G64-GDI (L.H. drive vehicles>	2-14	
		SPACE WAGON <4G64-GDI (R.H. drive vehicles>	2-18	

Connector symbol	Name		Reference page	Description of changes
B	DASH PANEL	L.H. drive vehicles	2-22	<ul style="list-style-type: none"> <li>● Following connectors have been added.               <ul style="list-style-type: none"> <li>● Engine-A/T-ECU &lt;MPI-A/T&gt; (B-110)</li> <li>● Engine-A/T-ECU &lt;MPI-A/T&gt; (B-111)</li> <li>● Engine-A/T-ECU &lt;MPI-A/T&gt; (B-112)</li> <li>● Engine-A/T-ECU &lt;MPI-A/T&gt; (B-113)</li> </ul> </li> <li>● The A/T-ECU connector (B-10) has been changed to the A/T-ECU &lt;GDI&gt; connector (B-10).</li> <li>● The A/T-ECU connector (B-11) has been changed to the A/T-ECU &lt;GDI&gt; connector (B-11).</li> <li>● The A/T-ECU connector (B-12) has been changed to the A/T-ECU &lt;GDI&gt; connector (B-12).</li> <li>● The engine oil level relay connector &lt;4G64&gt; (B-46) has been changed to the engine oil level relay (B-46).</li> <li>● The throttle control servo relay connector &lt;4G64&gt; (B-48) has been changed to the throttle control servo relay connector &lt;GDI&gt; (B-48).</li> <li>● The throttle valve controller connector &lt;4G64&gt; (B-50) has been changed to the throttle valve controller connector &lt;GDI&gt; (B-50).</li> <li>● The engine-ECU connector (B-51) has been changed to the engine-ECU connector &lt;GDI, MPI-M/T&gt; (B-51).</li> <li>● The engine-ECU connector (B-52) has been changed to the engine-ECU connector &lt;GDI, MPI-M/T&gt; (B-52).</li> <li>● The engine-ECU connector (B-53) has been changed to the engine-ECU connector &lt;GDI, MPI-M/T&gt; (B-53).</li> <li>● The engine-ECU connector (B-54) has been changed to the engine-ECU connector &lt;GDI, MPI-M/T&gt; (B-54).</li> <li>● The clutch switch connector &lt;4G64-M/T&gt; (B-67) has been changed to the clutch switch connector &lt;GDI-M/T&gt; (B-67).</li> </ul>
		R.H. drive vehicles	2-28	
C	FLOOR AND ROOF	SPACE RUNNER <L.H. drive vehicles>	2-34	<ul style="list-style-type: none"> <li>● The no connection (C-24) has been abolished.</li> <li>● An oxygen sensor (rear) connector (C-29) has been added.</li> </ul>
		SPACE RUNNER <R.H. drive vehicles>	2-36	

## SINGLE PART INSTALLATION POSITION

Location of changes	Reference page	Description of changes
RELAY	3-2	<ul style="list-style-type: none"> <li>• A brake warning lamp relay &lt;ABS with EBD&gt; has been added.</li> </ul>
ECU	3-2	<ul style="list-style-type: none"> <li>• An engine-A/T-ECU has been added.</li> </ul>
SENSOR	3-3	<ul style="list-style-type: none"> <li>• An accelerator pedal position sensor &lt;SPACE RUNNER-GDI&gt; has been added.</li> <li>• An air flow sensor &lt;MPI&gt; has been added.</li> <li>• A camshaft position sensor &lt;MPI&gt; has been added.</li> <li>• A crank angle sensor &lt;MPI&gt; has been added.</li> <li>• A detonation sensor &lt;MPI&gt; has been added.</li> <li>• An engine coolant temperature sensor &lt;MPI&gt; has been added.</li> <li>• A throttle position sensor &lt;MPI&gt; has been added.</li> </ul>
SOLENOID VALVE	3-4	<ul style="list-style-type: none"> <li>• An EGR solenoid valve &lt;SPACE RUNNER-GDI&gt; has been added.</li> <li>• A purge control solenoid valve &lt;SPACE RUNNER-GDI&gt; has been added.</li> </ul>

## CIRCUIT DIAGRAM

Main title	Sub title	Reference page	Description of changes
STARTING SYSTEM	–	4-3	<ul style="list-style-type: none"> <li>• The circuit has been changed to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
IGNITION SYSTEM	MPI	4-4	<ul style="list-style-type: none"> <li>• A new circuit has been established to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
	GDI	4-5	
CHARGING SYSTEM	–	4-6	<ul style="list-style-type: none"> <li>• The circuit has been changed to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
ENGINE CONTROL SYSTEM	4G63-MPI-M/T <L.H. drive vehicles>	4-8	<ul style="list-style-type: none"> <li>• A new circuit has been established to correspond to the addition of vehicles with 4G63-MPI engines.</li> </ul>
	4G63-MPI-M/T <R.H. drive vehicles>	4-16	
	4G63-MPI-A/T <L.H. drive vehicles>	4-24	
	4G63-MPI-A/T <R.H. drive vehicles>	4-32	
	4G64-GDI <SPACE RUNNER (L.H. drive vehicles)>	4-40	<ul style="list-style-type: none"> <li>• Special circuits for the SPACE RUNNER and SPACE WAGON have been established to correspond to the edition of SPACE RUNNER vehicles with 4G64-GDI engines.</li> </ul>
	4G64-GDI <SPACE WAGON (L.H. drive vehicles)>	4-52	



Main title	Sub title	Reference page	Description of changes
COOLING SYSTEM	–	4-64	<ul style="list-style-type: none"> <li>The circuit has been changed to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
INVECS-II 4A/T	MPI	4-66	<ul style="list-style-type: none"> <li>A new circuit has been established to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
	GDI <SPACE RUNNER>	4-78	
	GDI <SPACE WAGON>	4-90	
ENGINE OIL LEVEL WARNING LAMP	L.H. drive vehicles	4-102	<ul style="list-style-type: none"> <li>A new circuit has been established to correspond to the addition of SPACE RUNNER vehicles with engine oil level warning lamp.</li> </ul>
	R.H. drive vehicles	4-103	
AIR CONDITIONER	L.H. drive vehicles	4-104	<ul style="list-style-type: none"> <li>The circuit has been changed to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
	R.H. drive vehicles	4-108	
ANTI-SKID BRAKING SYSTEM (ABS)	–	4-112	<ul style="list-style-type: none"> <li>The circuit has been changed to correspond to the addition of vehicles with EBD.</li> </ul>
IMMOBILIZER SYSTEM	MPI	4-118	<ul style="list-style-type: none"> <li>A new circuit has been established to correspond to the addition of vehicles with 4G63-MPI and 4G64-MPI engines.</li> </ul>
	GDI	4-120	

## 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 manuals.
- (5) N (Not applicable) : This circuit is not applicable.
- (6) P (Previous manual) : This circuit is not included, because it has not been changed.  
Refer to the previous manuals.

Main circuit	Circuit classifications	Previous manual: Pub. No. PHDE9802 (Basic)	This manual: Pub. No. PHDE9802-A (Supplement)
JUNCTION BLOCK (J/B)	–	I	P
JOINT CONNECTOR (J/C)	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
CENTRALIZED JUNCTION	–	I	P
POWER DISTRIBUTION SYSTEM	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
STARTING SYSTEM	–	I	R
IGNITION SYSTEM	MPI	N	A
	GDI	N	A
	–	I	D
CHARGING SYSTEM	–	I	R
ENGINE CONTROL SYSTEM	4G63-MPI-M/T <L.H. drive vehicles>	N	A
	4G63-MPI-M/T <R.H. drive vehicles>	N	A
	4G63-MPI-A/T <L.H. drive vehicles>	N	A
	4G63-MPI-A/T <R.H. drive vehicles>	N	A
	4G93-GDI <L.H. drive vehicles>	I	D
	4G93-GDI <R.H. drive vehicles>	I	D
	4G64-GDI <SPACE RUNNER (L.H. drive vehicles)>	N	A
	4G64-GDI <SPACE WAGON (L.H. drive vehicles)>	N	A
	4G64-GDI <L.H. drive vehicles>	I	D
	4G64-GDI <R.H. drive vehicles>	I	P
COOLING SYSTEM	–	I	R

Main circuit	Circuit classifications	Previous manual: Pub. No. PHDE9802 (Basic)	This manual: Pub. No. PHDE9802-A (Supplement)
INVECS-II 4A/T	–	I	D
	MPI	N	A
	GDI <SPACE RUNNER>	N	A
	GDI <SPACE WAGON>	N	A
HEADLAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	SPACE RUNNER <L.H. drive vehicles>	I	P
	SPACE RUNNER <R.H. drive vehicles>	I	P
	SPACE WAGON <L.H. drive vehicles>	I	P
	SPACE WAGON <R.H. drive vehicles>	I	P
FRONT FOG LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
REAR FOG LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
ROOM LAMP AND LUGGAGE COMPARTMENT LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
GLOVE BOX LAMP	–	I	P
DOOR LAMP	SPACE RUNNER	I	P
	SPACE WAGON <L.H. drive vehicles>	I	P
	SPACE WAGON <R.H. drive vehicles>	I	P
HEADLAMP LEVELING SYSTEM	SPACE RUNNER	I	P
	SPACE WAGON	I	P
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
STOP LAMP	SPACE RUNNER	I	P
	SPACE WAGON	I	P
BACK-UP LAMP	SPACE RUNNER	I	P
	SPACE WAGON	I	P
HORN	–	I	P
METER AND GAUGE	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHDE9802 (Basic)	This manual: Pub. No. PHDE9802-A (Supplement)
BRAKE WARNING LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
OIL PRESSURE WARNING LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
FUEL WARNING LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
ENGINE OIL LEVEL WARNING LAMP	L.H. drive vehicles	N	A
	R.H. drive vehicles	N	A
	SPACE WAGON <L.H. drive vehicles>	I	D
	SPACE WAGON <R.H. drive vehicles>	I	D
POWER WINDOWS	SPACE RUNNER <L.H. drive vehicles>	I	P
	SPACE RUNNER <R.H. drive vehicles>	I	P
	SPACE WAGON <L.H. drive vehicles>	I	P
	SPACE WAGON <R.H. drive vehicles>	I	P
CENTRAL DOOR LOCKING SYSTEM	L.H. drive vehicles without keyless entry system <SPACE RUNNER>	I	P
	L.H. drive vehicles with keyless entry system <SPACE RUNNER>	I	P
	L.H. drive vehicles without keyless entry system <SPACE WAGON>	I	P
	L.H. drive vehicles with keyless entry system <SPACE WAGON>	I	P
	R.H. drive vehicles without keyless entry system <SPACE RUNNER>	I	P
	R.H. drive vehicles with keyless entry system <SPACE RUNNER>	I	P
	R.H. drive vehicles without keyless entry system <SPACE WAGON>	I	P
	R.H. drive vehicles with keyless entry system <SPACE WAGON>	I	P
HEATER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
AIR CONDITIONER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHDE9802 (Basic)	This manual: Pub. No. PHDE9802-A (Supplement)
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
REAR WIPER AND WASHER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
DEFOGGER AND DOOR MIRROR HEATER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
REMOTE CONTROLLED MIRROR	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
HEADLAMP WASHER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
MULTI CENTER DISPLAY	L.H. drive vehicles without navigation system	I	P
	L.H. drive vehicles with navigation system	I	P
	R.H. drive vehicles without navigation system	I	P
	R.H. drive vehicles with navigation system	I	P
CIGARETTE LIGHTER	–	I	P
ACCESSORY SOCKET	–	I	P
ANTI-SKID BRAKING SYSTEM (ABS)	–	I	R
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	Vehicles without side air bag	I	P
	L.H. drive vehicles with side air bag	I	P
	R.H. drive vehicles with side air bag	I	P
IMMOBILIZER SYSTEM	4G93-GDI	I	D
	4G64-GDI	I	D
	MPI	N	A
	GDI	N	A
SUNROOF	–	I	P
RHEOSTAT	–	I	P
HEATED SEAT	–	I	P
LIGHTING MONITOR BUZZER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
IGNITION KEY REMINDER BUZZER	–	I	P

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# WIRING HARNESS CONFIGURATION DIAGRAMS

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### ENGINE COMPARTMENT

SPACE RUNNER <4G63-MPI (L.H. drive vehicles)> .....	2-2
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SPACE WAGON <4G64-GDI (R.H. drive vehicles)> .....	2-18

### DASH PANEL

L.H. drive vehicles .....	2-22
R.H. drive vehicles .....	2-28

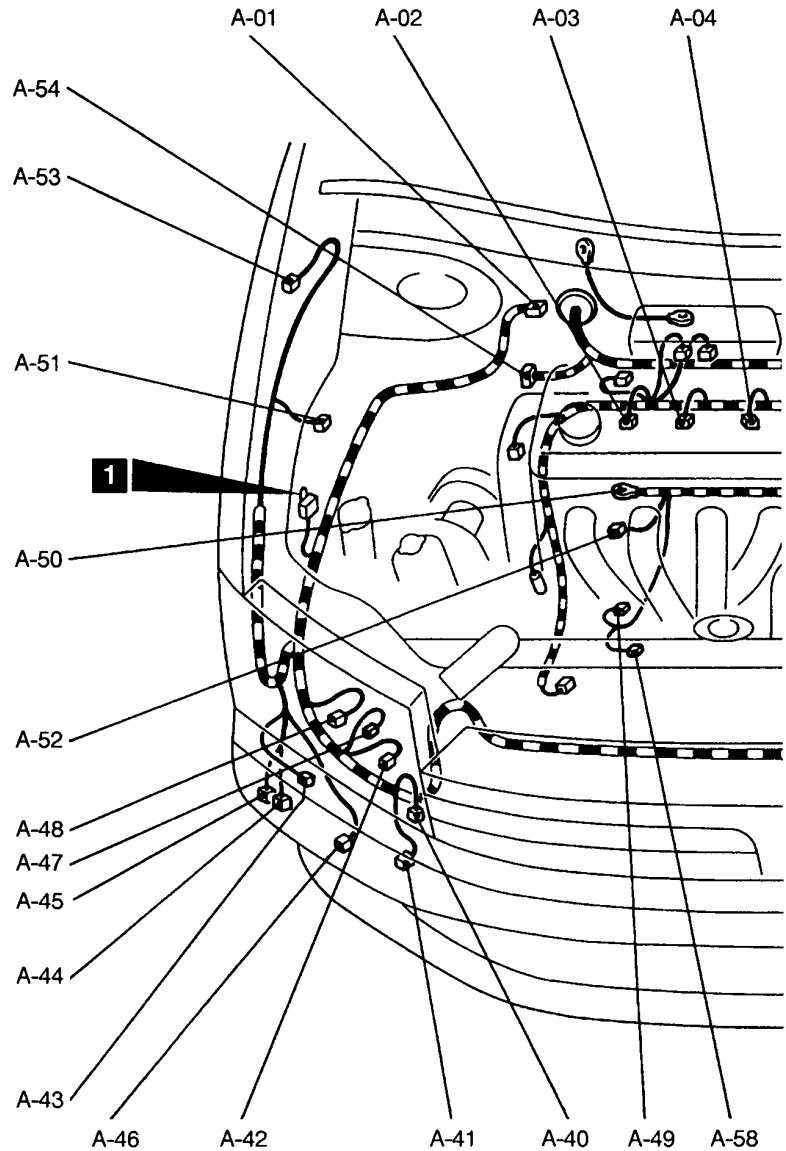
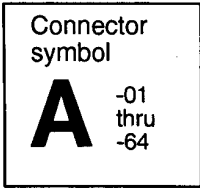
### FLOOR AND ROOF

SPACE RUNNER <L.H. drive vehicles> .....	2-34
SPACE RUNNER <R.H. drive vehicles> .....	2-36

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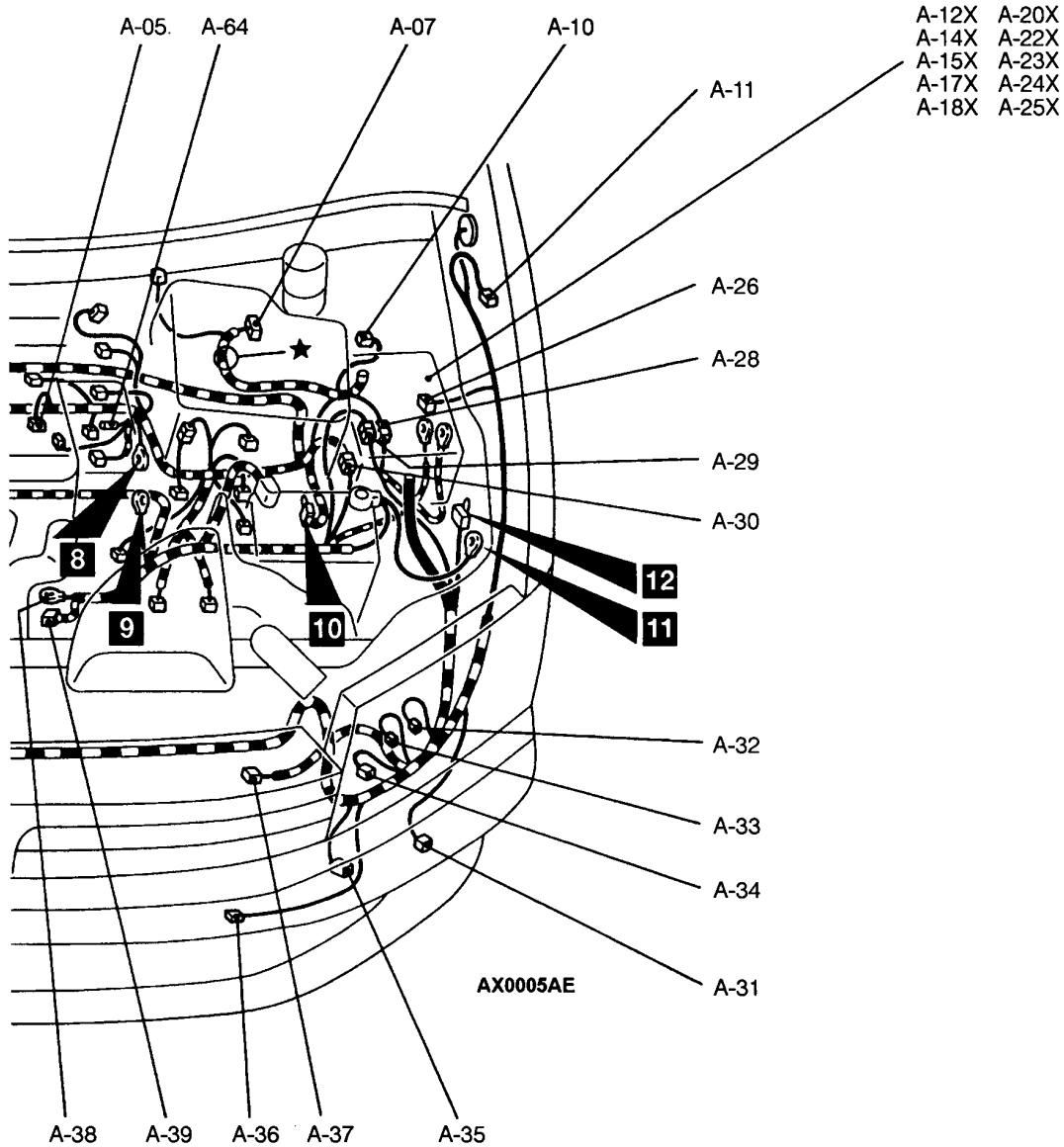
ENGINE COMPARTMENT

SPACE RUNNER <4G63-MPI (L.H. drive vehicles)>



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

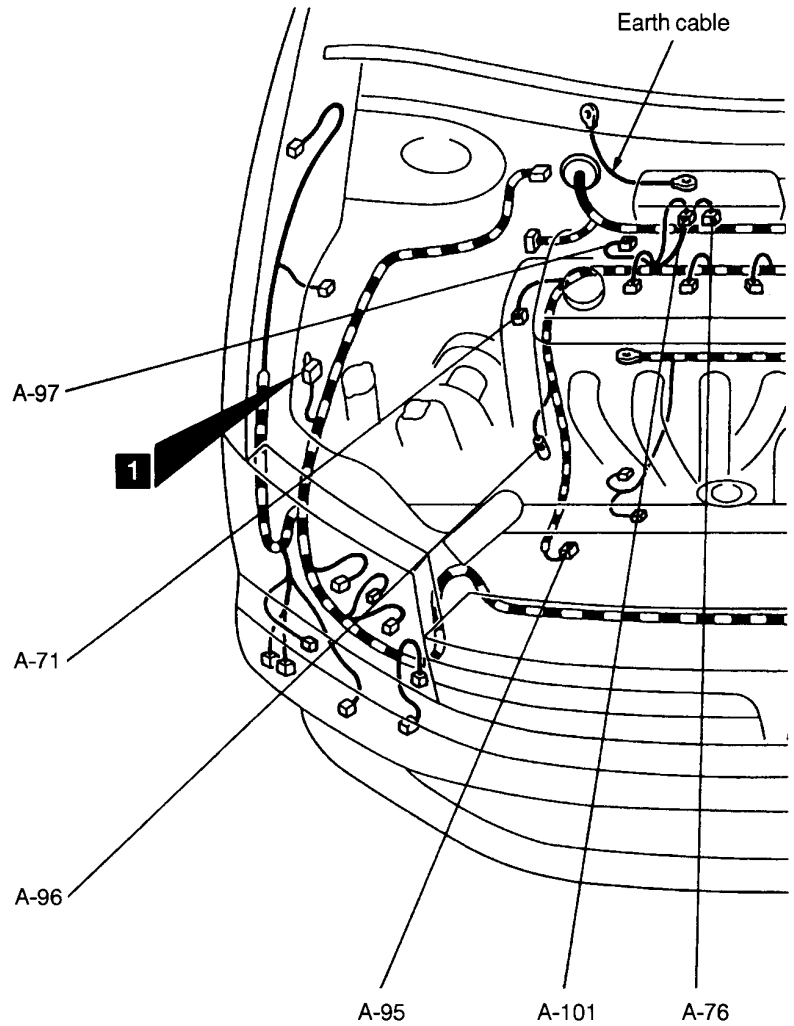
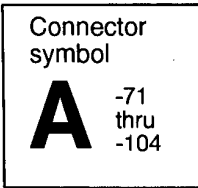
- |             |                            |              |   |
|-------------|----------------------------|--------------|---|
| A-01 (5-GR) | Windshield wiper motor     | A-20X (4)    | Fan control relay   |
| A-02 (2-GR) | Injector 1                 | A-22X (5)    | Horn relay  |
| A-03 (2-GR) | Injector 2                 | A-23X (5)    | Front fog lamp relay  |
| A-04 (2-GR) | Injector 3                 | A-24X (11)   | Front-ECU   |
| A-05 (2-GR) | Injector 4                 | A-25X (11)   | Front-ECU   |
| A-07 (7-B)  | Air flow sensor            | A-26 (2-B)   | Wheel speed sensor (Front: LH) <ABS>                          |
| A-10 (2-GR) | Brake fluid level switch   | A-28 (17-GR) | Front wiring harness and control wiring harness combination   |
| A-11 (2-GR) | Side turn signal lamp (LH) | A-29 (4-B)   | Front wiring harness and battery wiring harness combination   |
| A-12X (4)   | A/T control relay          | A-30 (5-B)   | Battery wiring harness and control wiring harness combination |
| A-14X (4)   | Engine control relay       |              |   |
| A-15X (4)   | Fuel pump relay            |              |   |
| A-17X (5)   | A/C compressor relay       |              |   |
| A-18X (3)   | Inspection connector       |              |   |



- |             |                             |             |                                      |
|-------------|-----------------------------|-------------|--------------------------------------|
| A-31 (2-BR) | Front turn signal lamp (LH) | A-44 (2-B)  | Rear washer motor                    |
| A-32 (3-B)  | Headlamp (LH)               | A-45 (2)    | Windshield washer motor              |
| A-33 (6-B)  | Headlamp assembly (LH)      | A-46 (2-B)  | Front turn signal lamp (RH)          |
| A-34 (2-B)  | Front fog lamp (LH)         | A-47 (6-B)  | Headlamp assembly (RH)               |
| A-35 (1-B)  | Horn (HI)                   | A-48 (3-B)  | Headlamp (RH)                        |
| A-36 (2-B)  | Outside thermo sensor       | A-49 (1-B)  | Oil pressure switch                  |
| A-37 (3-GR) | Fan controller              | A-50 (1)    | Alternator                           |
| A-38 (1)    | Starter                     | A-51 (2-B)  | Wheel speed sensor (Front: RH) <ABS> |
| A-39 (1-B)  | Starter                     | A-52 (4-GR) | Alternator                           |
| A-40 (2-GR) | Dual pressure switch <A/C>  | A-53 (2-GR) | Side turn signal lamp (RH)           |
| A-41 (1-B)  | Horn (LO)                   | A-54 (25-B) | ABS-ECU                              |
| A-42 (2-B)  | Front fog lamp (RH)         | A-58 (2-B)  | Engine oil level sensor              |
| A-43 (2-B)  | Headlamp washer motor       | A-64 (1)    | Capacitor                            |



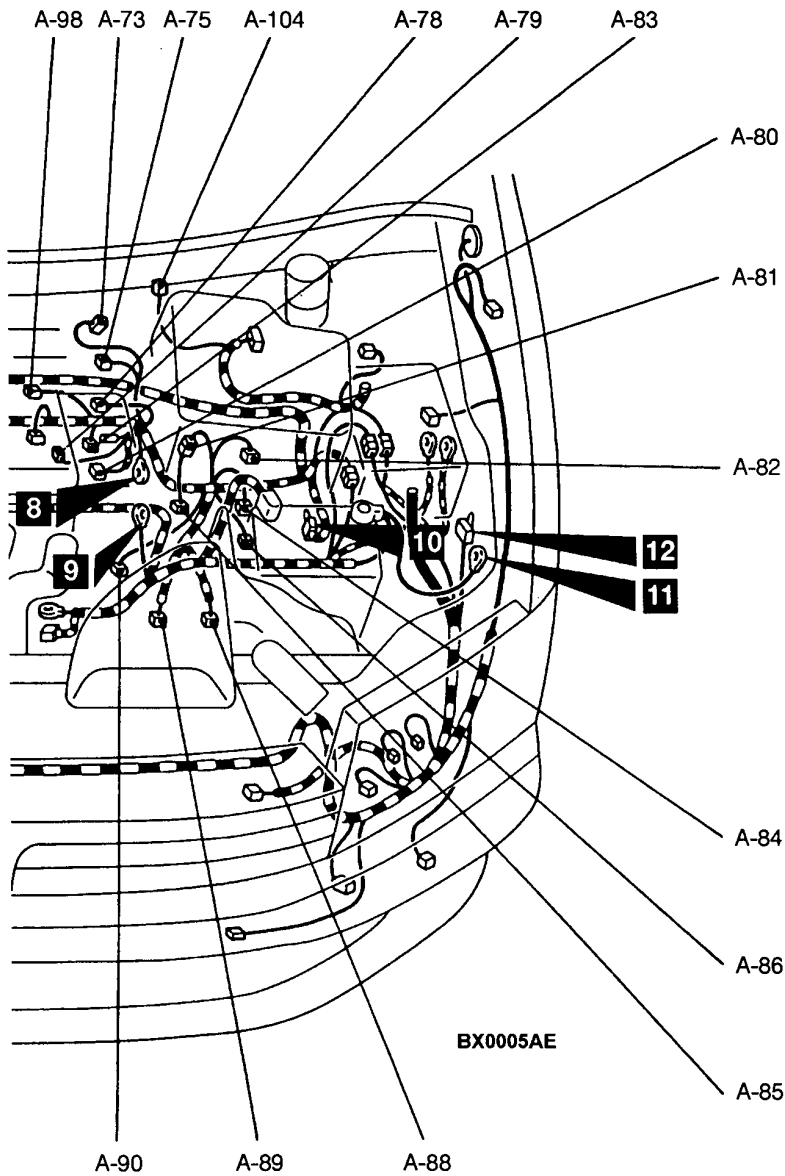
SPACE RUNNER <4G63-MPI (L.H. drive vehicles)>



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

A-71 (3-B) Crank angle sensor  
 A-73 (4-B) Throttle position sensor  
 A-75 (6-B) Idle speed control servo  
 A-76 (2-B) Purge control solenoid valve  
 A-78 (3-B) Camshaft position sensor  
 A-79 (2-GR) Detonation sensor  
 A-80 (2-B) Engine coolant temperature sensor

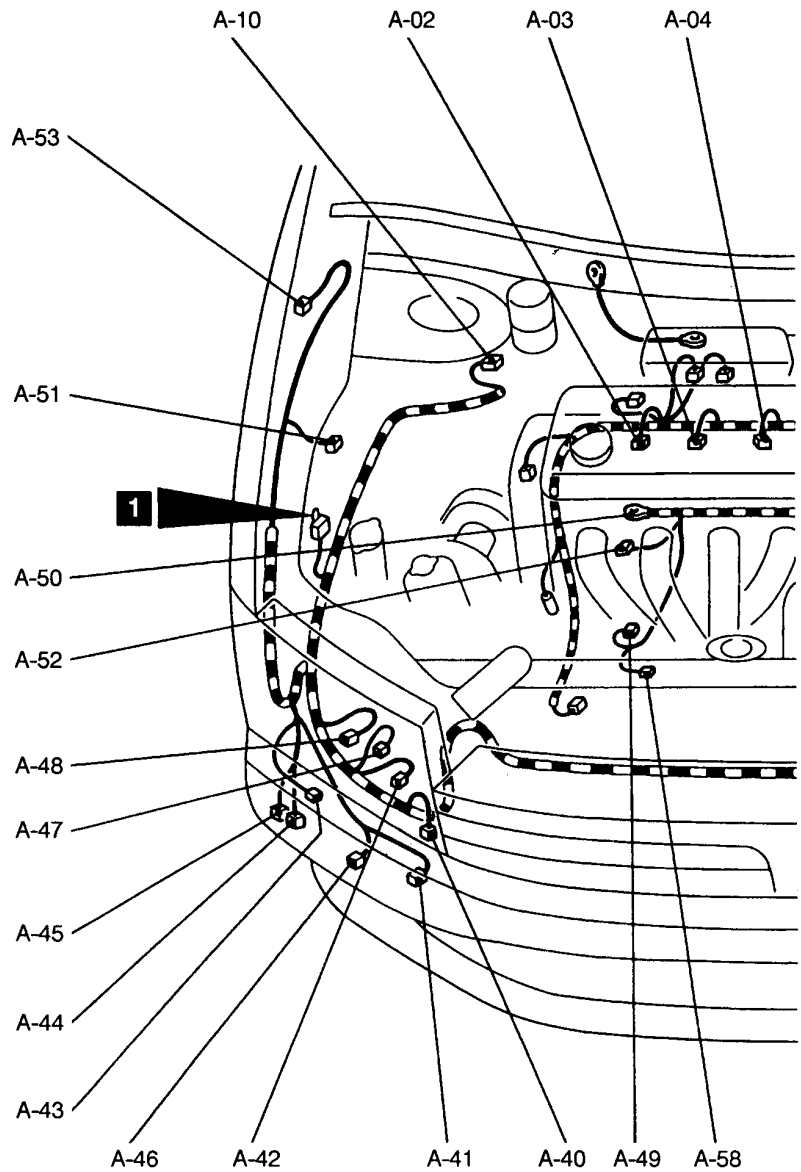
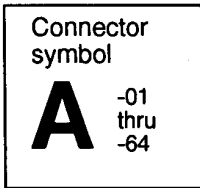
A-81 (3-B) Control wiring harness and vehicle speed sensor wiring harness combination <A/T>  
 A-82 (3-GR) Output shaft speed sensor <A/T>  
 A-83 (1-B) Engine coolant temperature gauge unit  
 A-84 (2-B) Back-up lamp switch <M/T>



- |              |                                     |              |  |
|--------------|-------------------------------------|--------------|--|
| A-85 (3)     | Vehicle speed sensor <A/T>          | A-97 (3-GR)  | Ignition coil 2                            |
| A-86 (3-B)   | Vehicle speed sensor <M/T>          | A-98 (3-GR)  | Ignition coil 1                            |
| A-88 (10-GR) | A/T control solenoid valve assembly | A-100 (3-B)  | Variable resistor                          |
| A-89 (10-B)  | Inhibitor switch <A/T>              | A-101 (2-BR) | EGR solenoid valve                         |
| A-90 (3-B)   | Input shaft speed sensor <A/T>      | A-104 (5)    | Brake warning lamp relay<br><ABS with EBD> |
| A-95 (1-BR)  | A/C compressor magnetic clutch      |              |  |
| A-96 (1)     | Power steering oil pressure switch  |              |  |

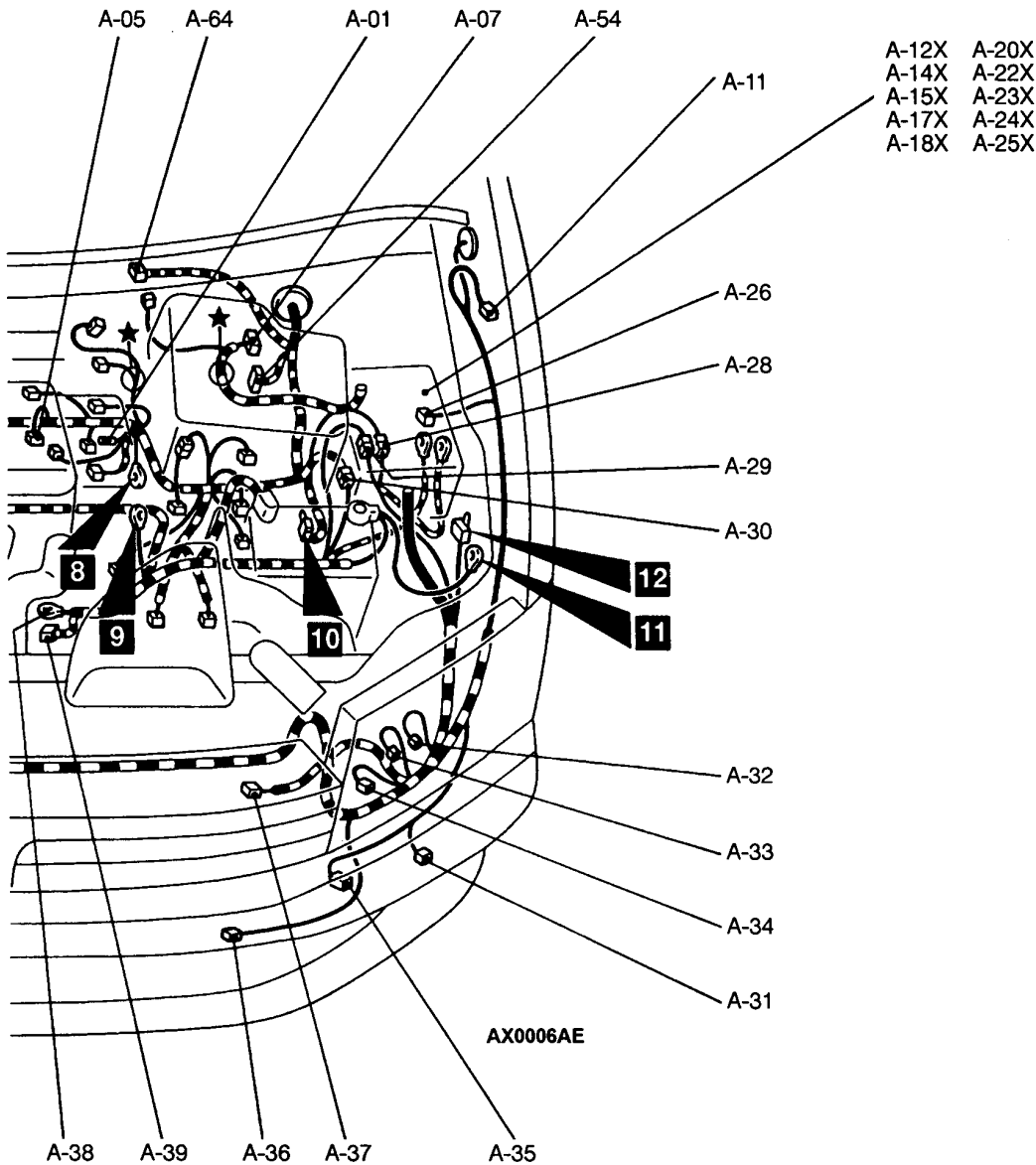
ENGINE COMPARTMENT

SPACE RUNNER <4G63-MPI (R.H. drive vehicles)>



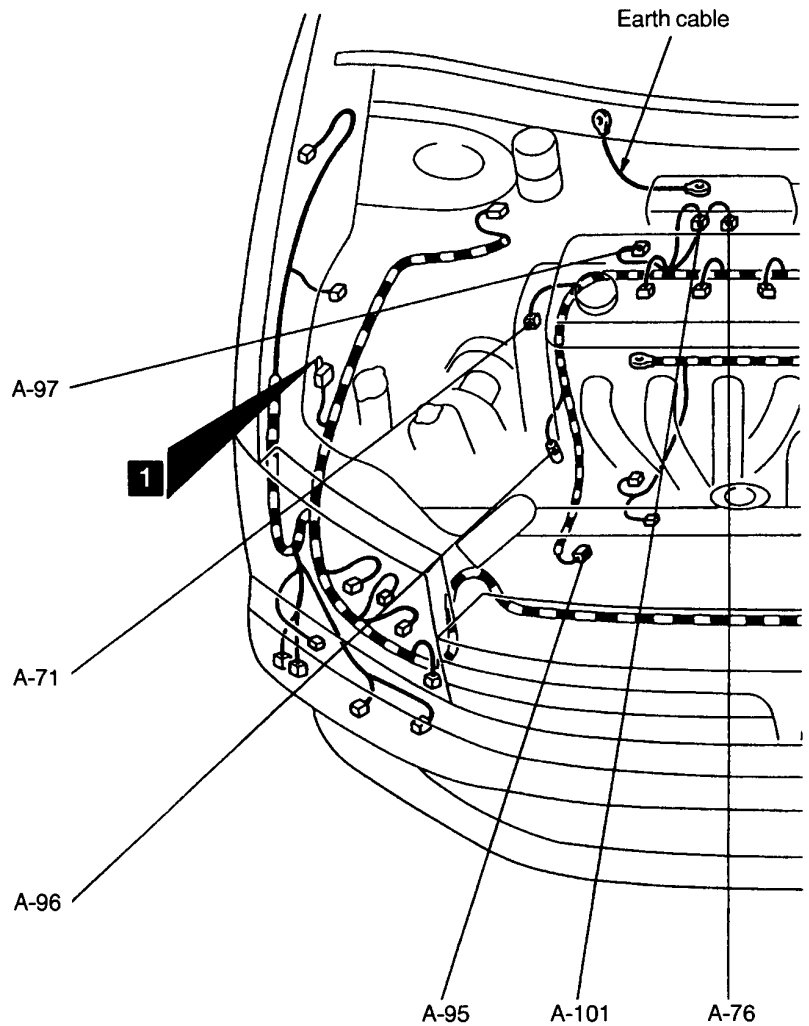
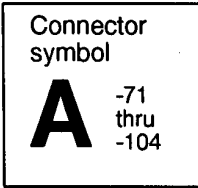
Connector color code  
 B: Black  
 Y: Yellow  
 L: Blue  
 G: Green  
 R: Red  
 BR: Brown  
 V: Violet  
 O: Orange  
 GR: Gray  
 None: Milk white

- |             |                            |              |   |
|-------------|----------------------------|--------------|---|
| A-01 (5-GR) | Windshield wiper motor     | A-20X (4)    | Fan control relay   |
| A-02 (2-GR) | Injector 1                 | A-22X (5)    | Horn relay  |
| A-03 (2-GR) | Injector 2                 | A-23X (5)    | Front fog lamp relay  |
| A-04 (2-GR) | Injector 3                 | A-24X (11)   | Front-ECU   |
| A-05 (2-GR) | Injector 4                 | A-25X (11)   | Front-ECU   |
| A-07 (7-B)  | Air flow sensor            | A-26 (2-B)   | Wheel speed sensor (Front: LH) <ABS>                          |
| A-10 (2-GR) | Brake fluid level switch   | A-28 (17-GR) | Front wiring harness and control wiring harness combination   |
| A-11 (2-GR) | Side turn signal lamp (LH) | A-29 (4-B)   | Front wiring harness and battery wiring harness combination   |
| A-12X (4)   | A/T control relay          | A-30 (5-B)   | Battery wiring harness and control wiring harness combination |
| A-14X (4)   | Engine control relay       |              |   |
| A-15X (4)   | Fuel pump relay            |              |   |
| A-17X (5)   | A/C compressor relay       |              |   |
| A-18X (3)   | Inspection connector       |              |   |



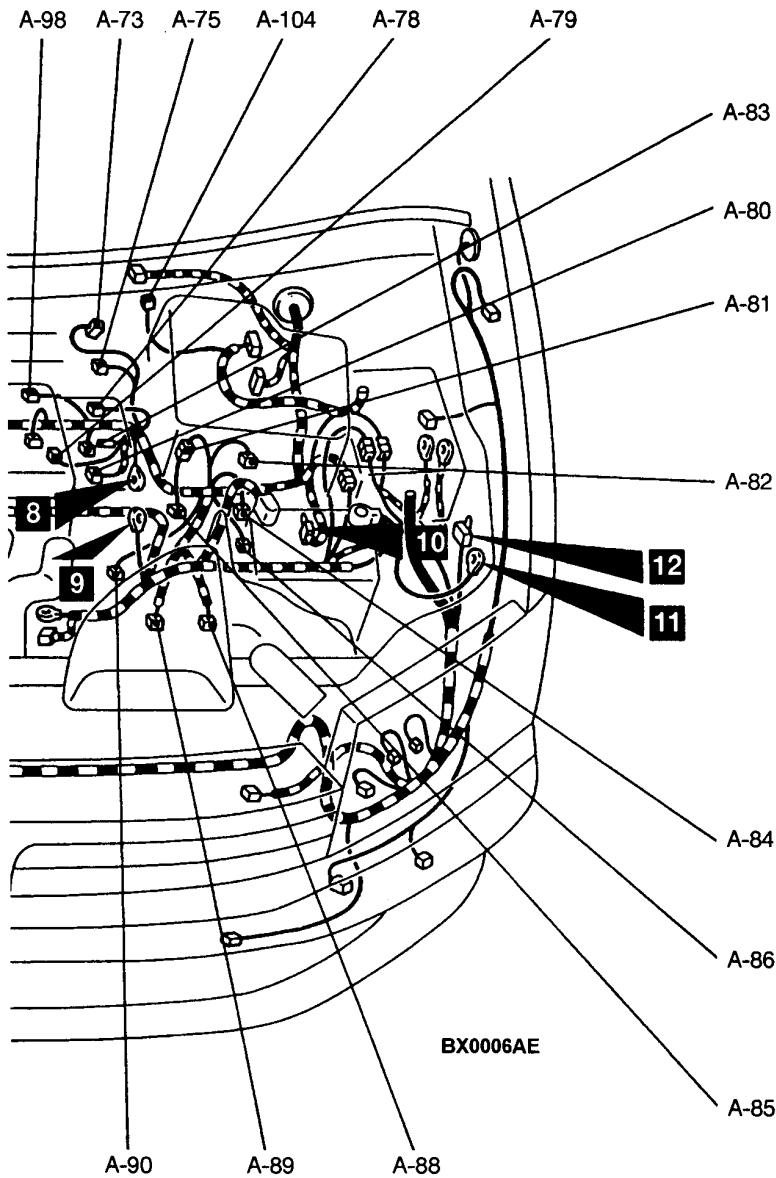
- |             |                             |             |                                      |
|-------------|-----------------------------|-------------|--------------------------------------|
| A-31 (2-BR) | Front turn signal lamp (LH) | A-44 (2-B)  | Rear washer motor                    |
| A-32 (3-B)  | Headlamp (LH)               | A-45 (2)    | Windshield washer motor              |
| A-33 (6-B)  | Headlamp assembly (LH)      | A-46 (2-GR) | Front turn signal lamp(RH)           |
| A-34 (2-B)  | Front fog lamp (LH)         | A-47 (6-B)  | Headlamp assembly (RH)               |
| A-35 (1-B)  | Horn (HI)                   | A-48 (3-B)  | Headlamp (RH)                        |
| A-36 (2-B)  | Outside thermo sensor       | A-49 (1-B)  | Oil pressure switch                  |
| A-37 (3-GR) | Fan controller              | A-50 (1)    | Alternator                           |
| A-38 (1)    | Starter                     | A-51 (2-B)  | Wheel speed sensor (Front: RH) <ABS> |
| A-39 (1-B)  | Starter                     | A-52 (4-GR) | Alternator                           |
| A-40 (2-GR) | Dual pressure switch <A/C>  | A-53 (2-GR) | Side turn signal lamp (RH)           |
| A-41 (1-B)  | Horn (LO)                   | A-54 (25-B) | ABS-ECU                              |
| A-42 (2-B)  | Front fog lamp (RH)         | A-58 (2-B)  | Engine oil level sensor              |
| A-43 (2-B)  | Headlamp washer motor       | A-64 (1-B)  | Capacitor                            |

SPACE RUNNER <4G63-MPI (R.H. drive vehicles)>



- Connector color code
- B: Black
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  - L: Blue
  - G: Green
  - R: Red
  - BR: Brown
  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white

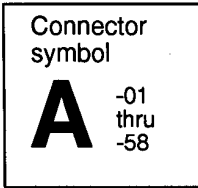
A-71 (3-B)	Crank angle sensor	A-81 (3-B)	Control wiring harness and vehicle speed sensor wiring harness combination <A/T>
A-73 (4-B)	Throttle position sensor	A-82 (3-GR)	Output shaft speed sensor <A/T>
A-75 (6-B)	Idle speed control servo	A-83 (1-B)	Engine coolant temperature gauge unit
A-76 (2-B)	Purge control solenoid valve	A-84 (2-B)	Back-up lamp switch <M/T>
A-78 (3-B)	Camshaft position sensor		
A-79 (2-GR)	Detonation sensor		
A-80 (2-B)	Engine coolant temperature sensor		



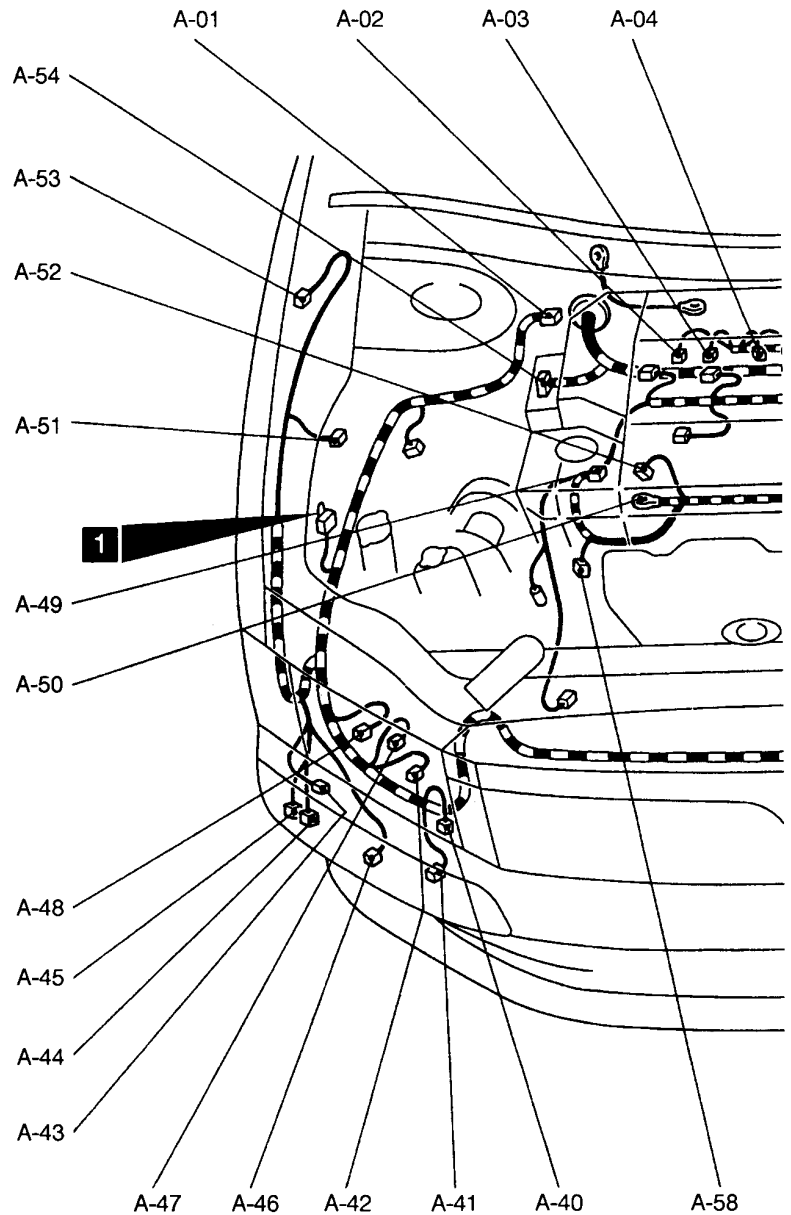
- |              |                                     |              |                          |
|--------------|-------------------------------------|--------------|--------------------------|
| A-85 (3)     | Vehicle speed sensor <A/T>          | A-97 (3-GR)  | Ignition coil 2          |
| A-86 (3-B)   | Vehicle speed sensor <M/T>          | A-98 (3-GR)  | Ignition coil 1          |
| A-88 (10-GR) | A/T control solenoid valve assembly | A-100 (3-B)  | Variable resistor        |
| A-89 (10-B)  | Inhibitor switch <A/T>              | A-101 (2-BR) | EGR solenoid valve       |
| A-90 (3-B)   | Input shaft speed sensor <A/T>      | A-104 (5)    | Brake warning lamp relay |
| A-95 (1-BR)  | A/C compressor magnetic clutch      |              | <ABS with EBD>           |
| A-96 (1)     | Power steering oil pressure switch  |              |                          |

ENGINE COMPARTMENT

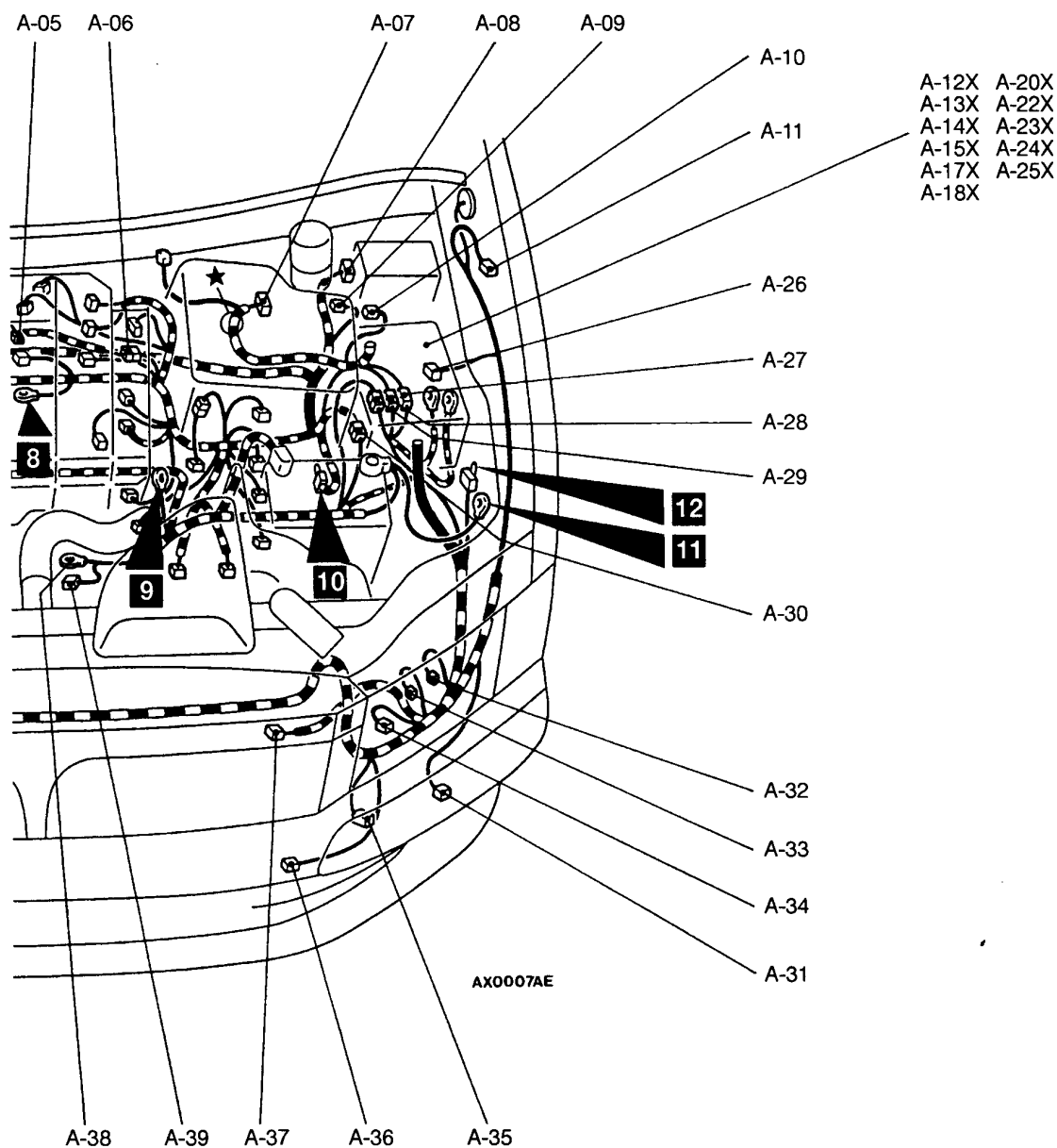
SPACE RUNNER <4G64-GDI (L.H. drive vehicles)>



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



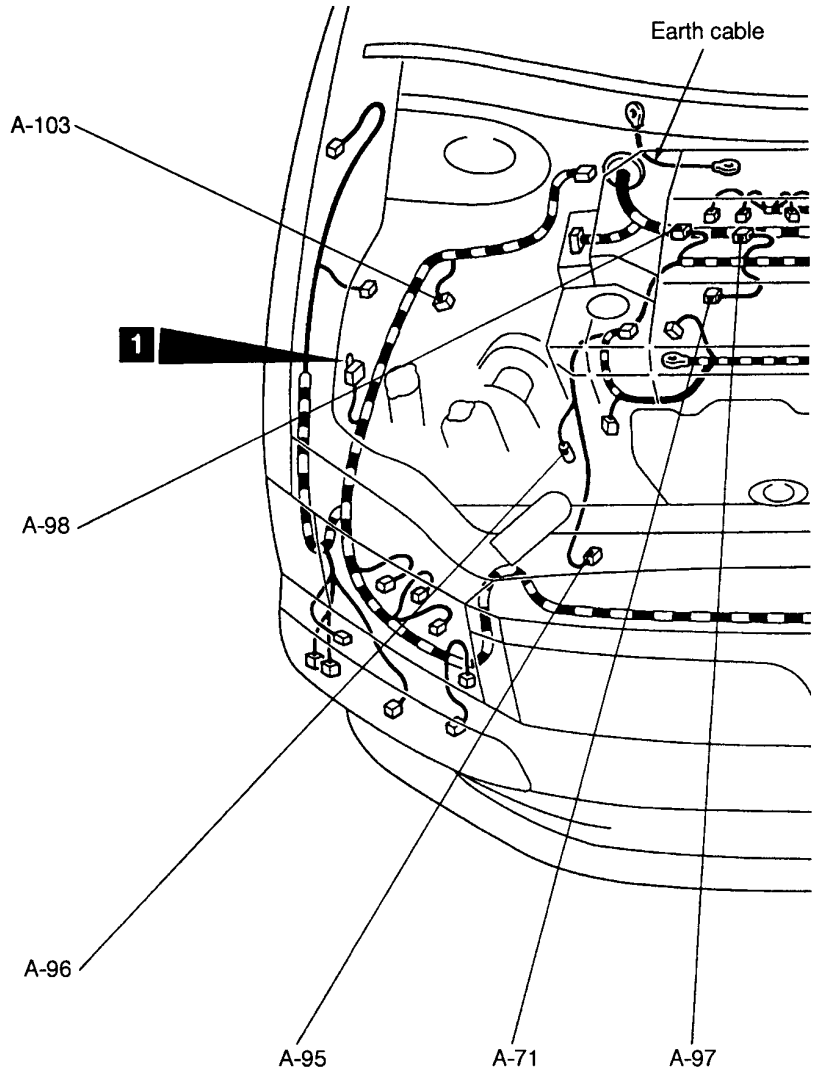
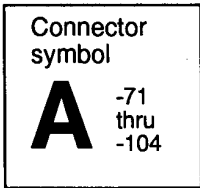
A-01 (5-GR)	Windshield wiper motor	A-15X (4)	Fuel pump relay
A-02 (2-GR)	Injector 1	A-17X (5)	A/C compressor relay
A-03 (2-GR)	Injector 2	A-18X (3)	Inspection connector
A-04 (2-GR)	Injector 3	A-20X (4)	Fan control relay
A-05 (2-GR)	Injector 4	A-22X (5)	Horn relay
A-06 (8-B)	Control wiring harness and injector wiring harness combination	A-23X (5)	Front fog lamp relay
A-07 (7-B)	Air flow sensor	A-24X (11)	Front-ECU
A-08 (26-B)	Injector driver	A-25X (11)	Front-ECU
A-09 (3-B)	Brake vacuum sensor	A-26 (2-B)	Wheel speed sensor (Front: LH) <ABS>
A-10 (2-GR)	Brake fluid level switch	A-27 (8-B)	Front wiring harness and control wiring harness combination
A-11 (2-GR)	Side turn signal lamp (LH)	A-28 (17-GR)	Front wiring harness and control wiring harness combination
A-12X (4)	A/T control relay	A-29 (4-B)	Front wiring harness and battery wiring harness combination
A-13X (4)	Injector driver control relay		
A-14X (4)	Engine control relay		



- |             |   |             |                                     |
|-------------|---|-------------|-------------------------------------|
| A-30 (5-B)  | Battery wiring harness and control wiring harness combination | A-43 (2-B)  | Headlamp washer motor               |
| A-31 (2-BR) | Front turn signal lamp (LH)                                   | A-44 (2-B)  | Rear washer motor                   |
| A-32 (3-B)  | Headlamp (LH)   | A-45 (2)    | Windshield washer motor             |
| A-33 (6-B)  | Headlamp assembly (LH)  | A-46 (2-B)  | Front turn signal lamp (RH)         |
| A-34 (2-B)  | Front fog lamp (LH)   | A-47 (6-B)  | Headlamp assembly (RH)              |
| A-35 (1-B)  | Horn (HI)   | A-48 (3-B)  | Headlamp (RH)                       |
| A-36 (2-B)  | Outside thermo sensor   | A-49 (1-B)  | Oil pressure switch                 |
| A-37 (3-GR) | Fan controller  | A-50 (1)    | Alternator                          |
| A-38 (1)    | Starter   | A-51 (2-B)  | Wheel speed sensor (Front:RH) <ABS> |
| A-39 (1-B)  | Starter   | A-52 (4-GR) | Alternator                          |
| A-40 (2-GR) | Dual pressure switch <A/C>                                    | A-53 (2-GR) | Side turn signal lamp (RH)          |
| A-41 (1-B)  | Horn (LO)   | A-54 (25-B) | ABS-ECU                             |
| A-42 (2-B)  | Front fog lamp (RH)   | A-58 (2-B)  | Engine oil level sensor             |

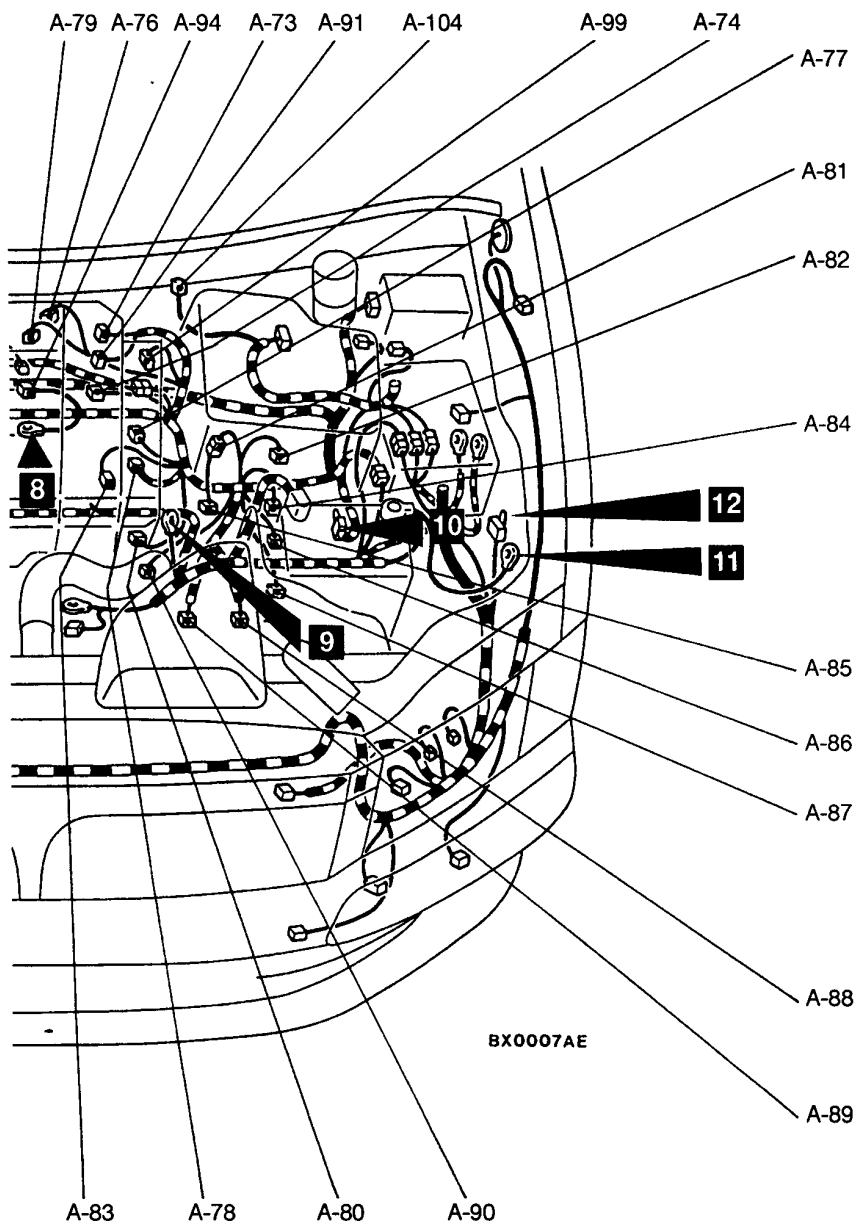


SPACE RUNNER <4G64-GDI (L.H. drive vehicles)>



- Connector color code
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  - O: Orange
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  - None: Milk white

- |             |                              |             |  |
|-------------|------------------------------|-------------|--|
| A-71 (3-B)  | Crank angle sensor           | A-80 (2-B)  | Engine coolant temperature sensor  |
| A-73 (4-B)  | Throttle position sensor     | A-81 (3-B)  | Control wiring harness and vehicle speed sensor wiring harness combination <A/T> |
| A-74 (3-GR) | Ignition coil 4              | A-82 (3-GR) | Output shaft speed sensor <A/T>  |
| A-76 (2-B)  | Purge control solenoid valve | A-83 (1-B)  | Engine coolant temperature gauge unit  |
| A-77 (3-B)  | Fuel pressure sensor         | A-84 (2-B)  | Brack-up lamp switch <M/T>   |
| A-78 (3-B)  | Camshaft position sensor     |             |  |
| A-79 (2-GR) | Detonation sensor            |             |  |

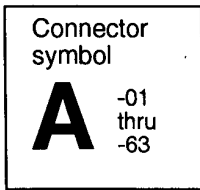


- A-85 (3) Vehicle speed sensor <A/T>
- A-86 (3-B) Vehicle speed sensor <M/T>
- A-87 (2-GR) M/T oil temperature sensor
- A-88 (10-GR) A/T control solenoid valve assembly
- A-89 (10-B) Inhibitor switch <A/T>
- A-90 (3-B) Input shaft speed sensor <A/T>
- A-91 (6-GR) EGR servo
- A-94 (3-GR) Ignition coil 3

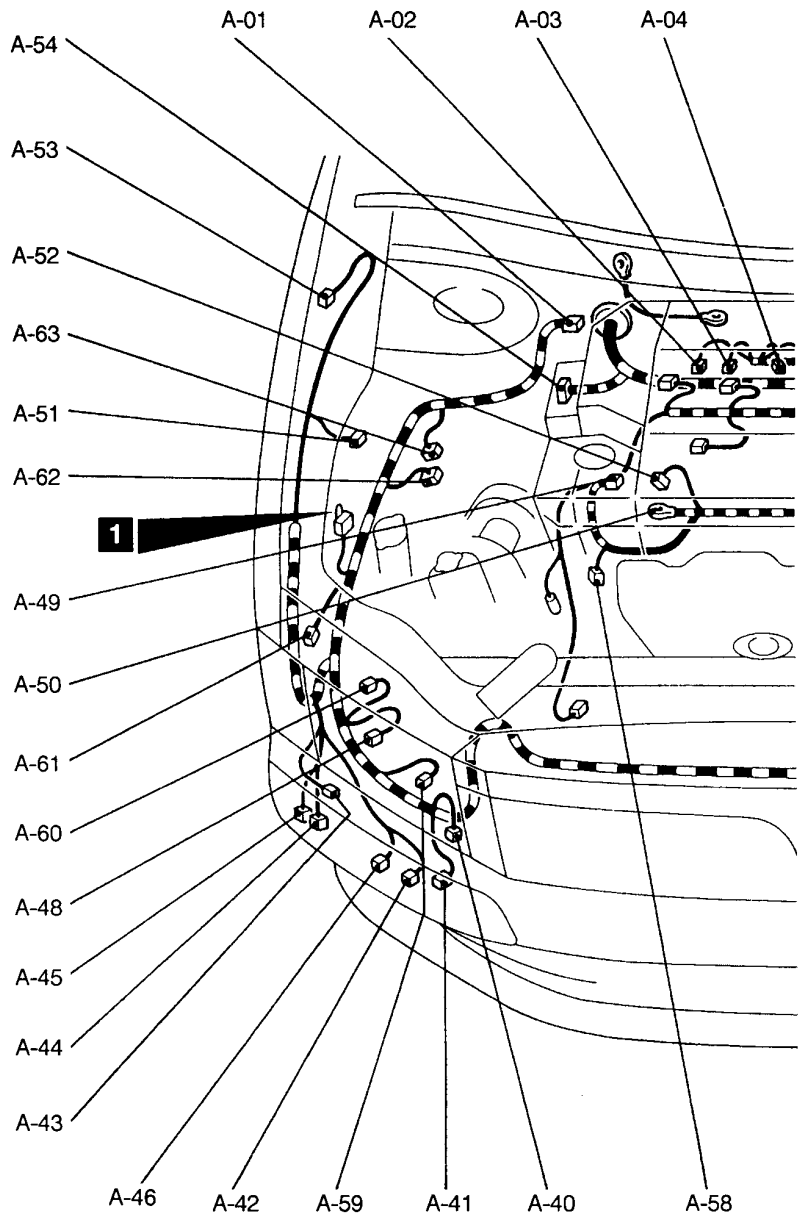
- A-95 (1-BR) A/C compressor magnetic clutch
- A-96 (1) Power steering oil pressure switch
- A-97 (3-GR) Ignition coil 2
- A-98 (3-GR) Ignition coil 1
- A-99 (4-GR) Throttle control servo
- A-103 (8-GR) Accelerator pedal position sensor
- A-104 (5) Brake warning lamp relay <ABS with EBD>

ENGINE COMPARTMENT

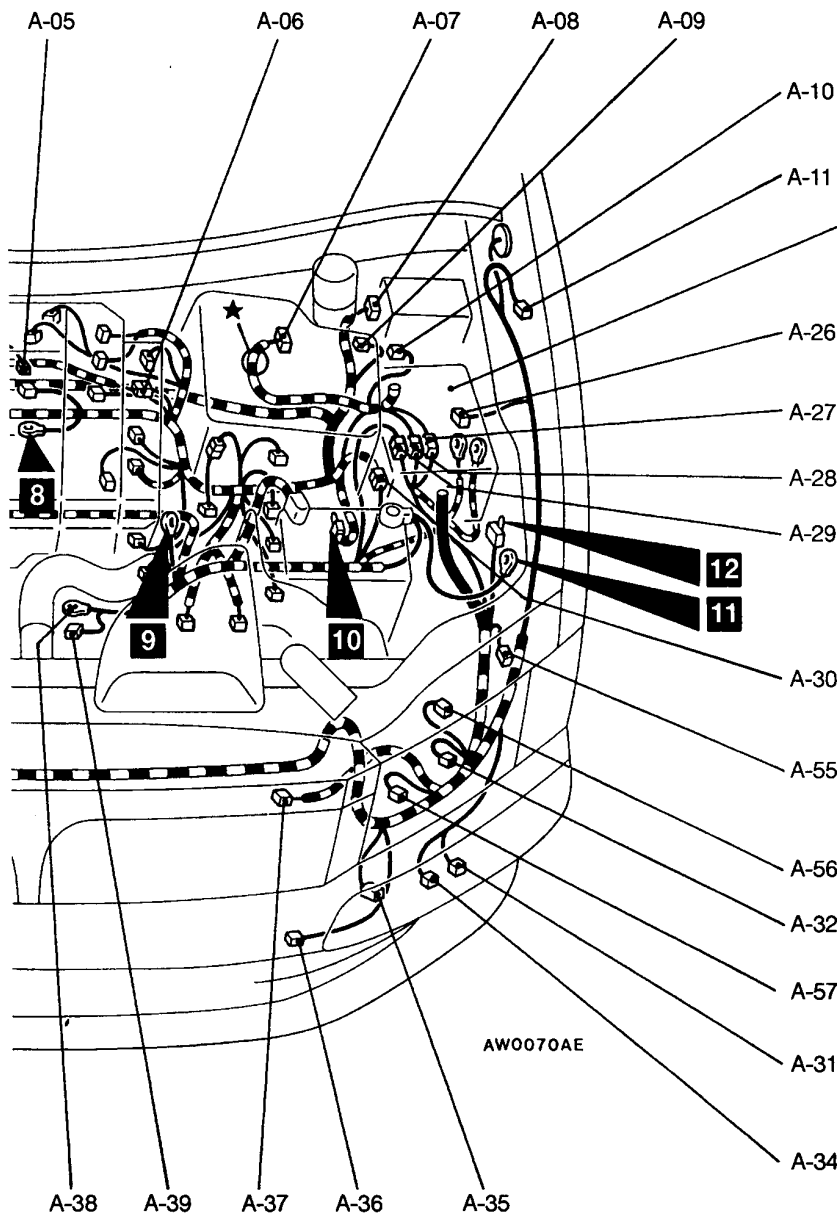
SPACE WAGON <4G64-GDI (L.H. drive vehicles)>



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  - O: Orange
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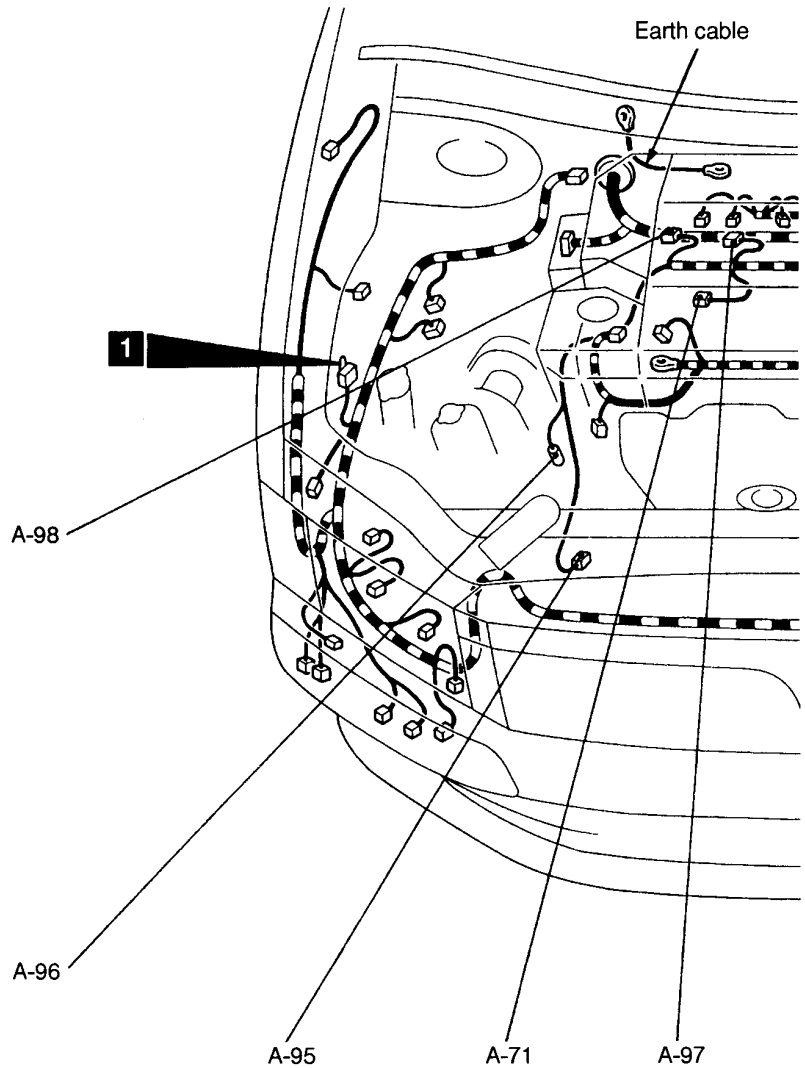
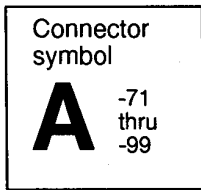
- |             |  |              |   |
|-------------|--|--------------|---|
| A-01 (5-GR) | Windshield wiper motor   | A-17X (5)    | A/C compressor relay  |
| A-02 (2-GR) | Injector 1   | A-18X (3)    | Inspection connector  |
| A-03 (2-GR) | Injector 2   | A-20X (4)    | Fan control relay   |
| A-04 (2-GR) | Injector 3   | A-22X (5)    | Horn relay  |
| A-05 (2-GR) | Injector 4   | A-23X (5)    | Front fog lamp relay  |
| A-06 (8-B)  | Control wiring harness and injector wiring harness combination | A-24X (11)   | Front-ECU   |
| A-07 (7-B)  | Air flow sensor  | A-25X (11)   | Front-ECU   |
| A-08 (26-B) | Injector driver  | A-26 (2-B)   | Wheel speed sensor (Front: LH) <ABS>                          |
| A-09 (3-B)  | Brake vacuum sensor  | A-27 (8-B)   | Front wiring harness and control wiring harness combination   |
| A-10 (2-GR) | Brake fluid level switch                                       | A-28 (17-GR) | Front wiring harness and control wiring harness combination   |
| A-11 (2-GR) | Side turn signal lamp (LH)                                     | A-29 (4-B)   | Front wiring harness and battery wiring harness combination   |
| A-12X (4)   | A/T control relay  | A-30 (5-B)   | Battery wiring harness and control wiring harness combination |
| A-13X (4)   | Injector driver control relay                                  |              |   |
| A-14X (4)   | Engine control relay   |              |   |
| A-15X (4)   | Fuel pump relay  |              |   |



A-12X A-20X  
 A-13X A-22X  
 A-14X A-23X  
 A-15X A-24X  
 A-17X A-25X  
 A-18X

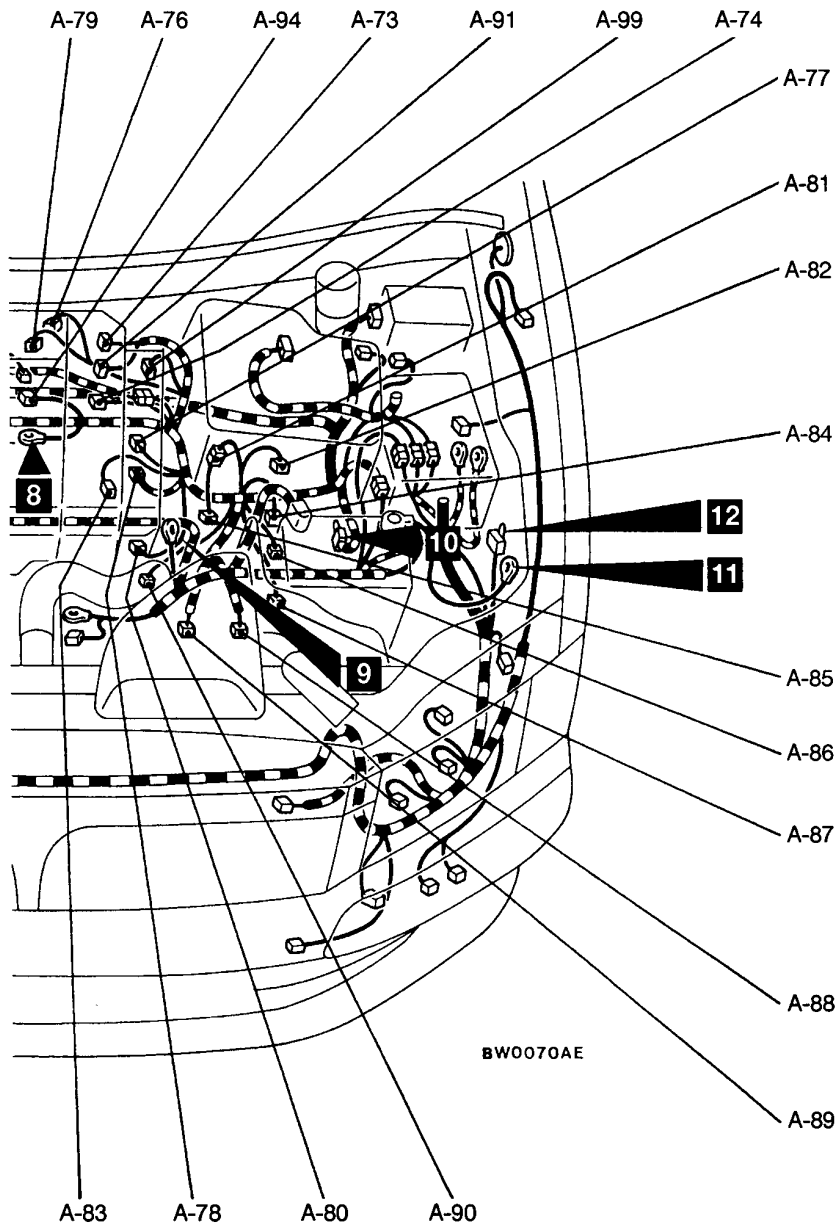
- |             |                             |             |                                     |
|-------------|-----------------------------|-------------|-------------------------------------|
| A-31 (2-B)  | Front turn signal lamp (LH) | A-49 (1-B)  | Oil pressure switch                 |
| A-32 (3-B)  | Headlamp (LH)               | A-50 (1)    | Alternator                          |
| A-34 (2-GR) | Front fog lamp (LH)         | A-51 (2-B)  | Wheel speed sensor (Front:RH) <ABS> |
| A-35 (1)    | Horn (HI)                   | A-52 (4-GR) | Alternator                          |
| A-36 (2-B)  | Outside thermo sensor       | A-53 (2-GR) | Side turn signal lamp (RH)          |
| A-37 (3-GR) | Fan controller              | A-54 (25-B) | ABS-ECU                             |
| A-38 (1)    | Starter                     | A-55 (2-GR) | Position lamp 1 (LH)                |
| A-39 (1-B)  | Starter                     | A-56 (3-GR) | Headlamp leveling unit (LH)         |
| A-40 (2-GR) | Dual pressure switch <A/C>  | A-57 (2-B)  | Position lamp 2 (LH)                |
| A-41 (1)    | Horn (LO)                   | A-58 (2-B)  | Engine oil level sensor             |
| A-42 (2-GR) | Front fog lamp (RH)         | A-59 (2-B)  | Position lamp 2 (RH)                |
| A-43 (2-B)  | Headlamp washer motor       | A-60 (3-GR) | Headlamp leveling unit (RH)         |
| A-44 (2-B)  | Rear washer motor           | A-61 (2-GR) | Position lamp 1 (RH)                |
| A-45 (2)    | Windshield washer motor     | A-62 (4-B)  | Accelerator pedal position sensor 1 |
| A-46 (2-B)  | Front turn signal lamp (RH) | A-63 (4)    | Accelerator pedal position sensor 2 |
| A-48 (3-B)  | Headlamp (RH)               |             |                                     |

SPACE WAGON <4G64-GDI (L.H. drive vehicles)>



- Connector color code
- B: Black
  - Y: Yellow
  - L: Blue
  - G: Green
  - R: Red
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  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white

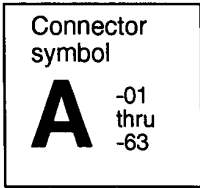
A-71 (3-B)	Crank angle sensor	A-80 (2-B)	Engine coolant temperature sensor
A-73 (4-B)	Throttle position sensor	A-81 (3-B)	Control wiring harness and vehicle speed sensor wiring harness combination <A/T>
A-74 (3-GR)	Ignition coil 4	A-82 (3-GR)	Output shaft speed sensor <A/T>
A-76 (2-B)	Purge control solenoid valve	A-83 (1-B)	Engine coolant temperature gauge unit
A-77 (3-B)	Fuel pressure sensor	A-84 (2-B)	Brack-up lamp switch <M/T>
A-78 (3-B)	Camshaft position sensor		
A-79 (2-GR)	Detonation sensor		



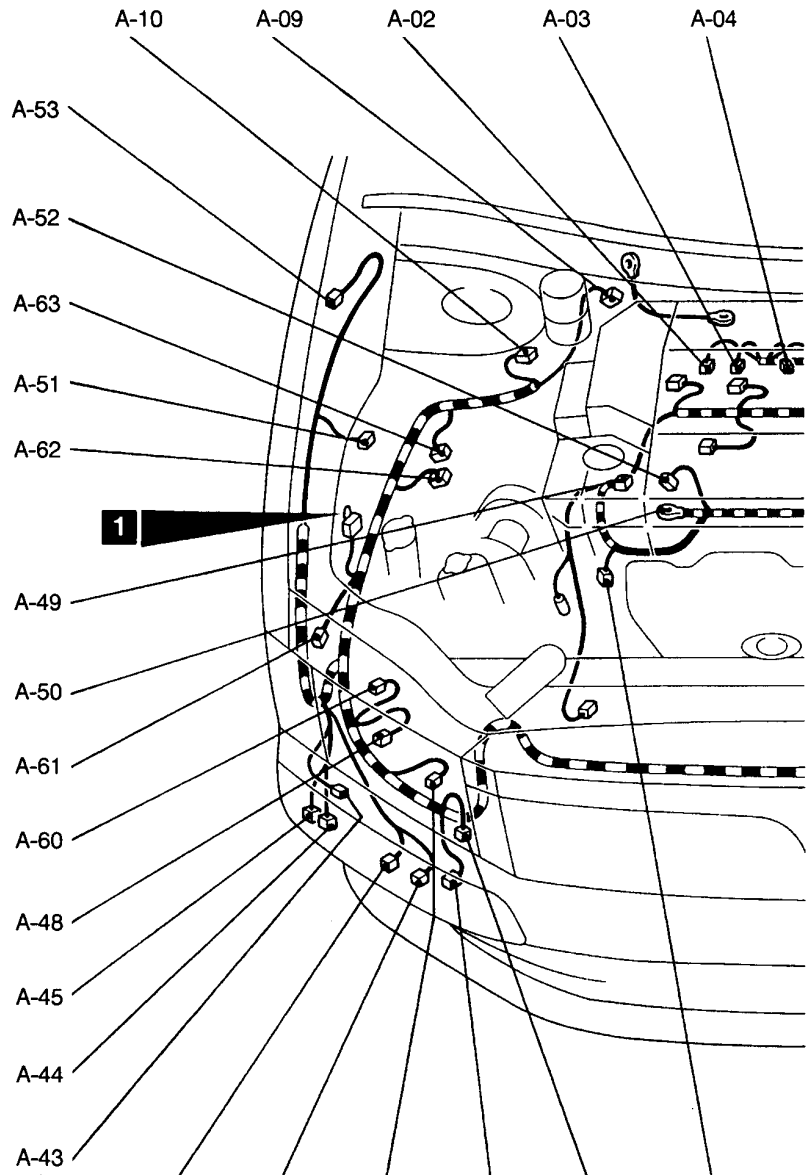
- |              |                                     |             |                                    |
|--------------|-------------------------------------|-------------|------------------------------------|
| A-85 (3)     | Vehicle speed sensor <A/T>          | A-94 (3-GR) | Ignition coil 3                    |
| A-86 (3-B)   | Vehicle speed sensor <M/T>          | A-95 (1-BR) | A/C compressor magnetic clutch     |
| A-87 (2-GR)  | M/T oil temperature sensor          | A-96 (1)    | Power steering oil pressure switch |
| A-88 (10-GR) | A/T control solenoid valve assembly | A-97 (3-GR) | Ignition coil 2                    |
| A-89 (10-B)  | Inhibitor switch <A/T>              | A-98 (3-GR) | Ignition coil 1                    |
| A-90 (3-B)   | Input shaft speed sensor <A/T>      | A-99 (4-GR) | Throttle control servo             |
| A-91 (6-GR)  | EGR servo                           |             |                                    |

ENGINE COMPARTMENT

SPACE WAGON <4G64-GDI (R.H. drive vehicles)>

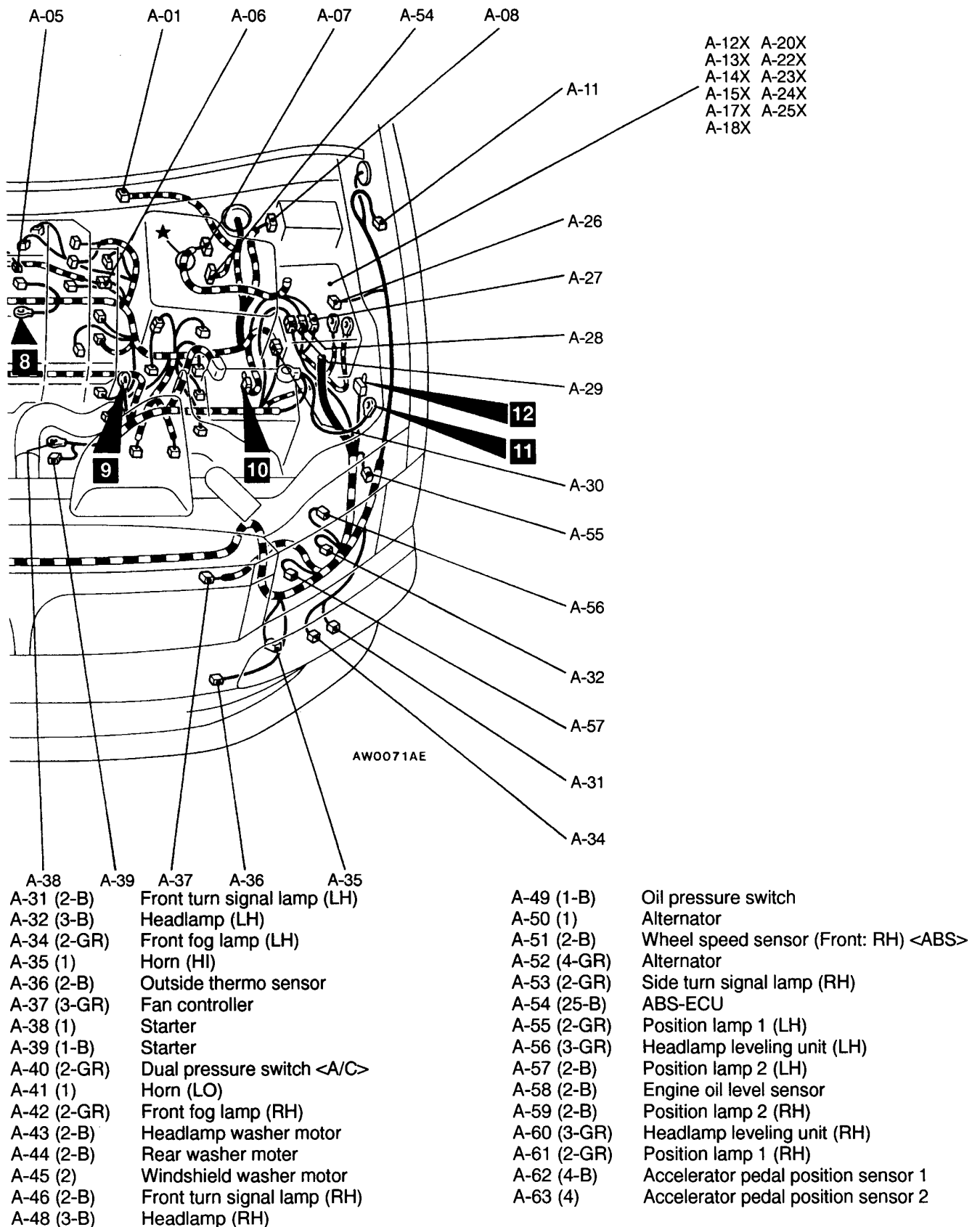


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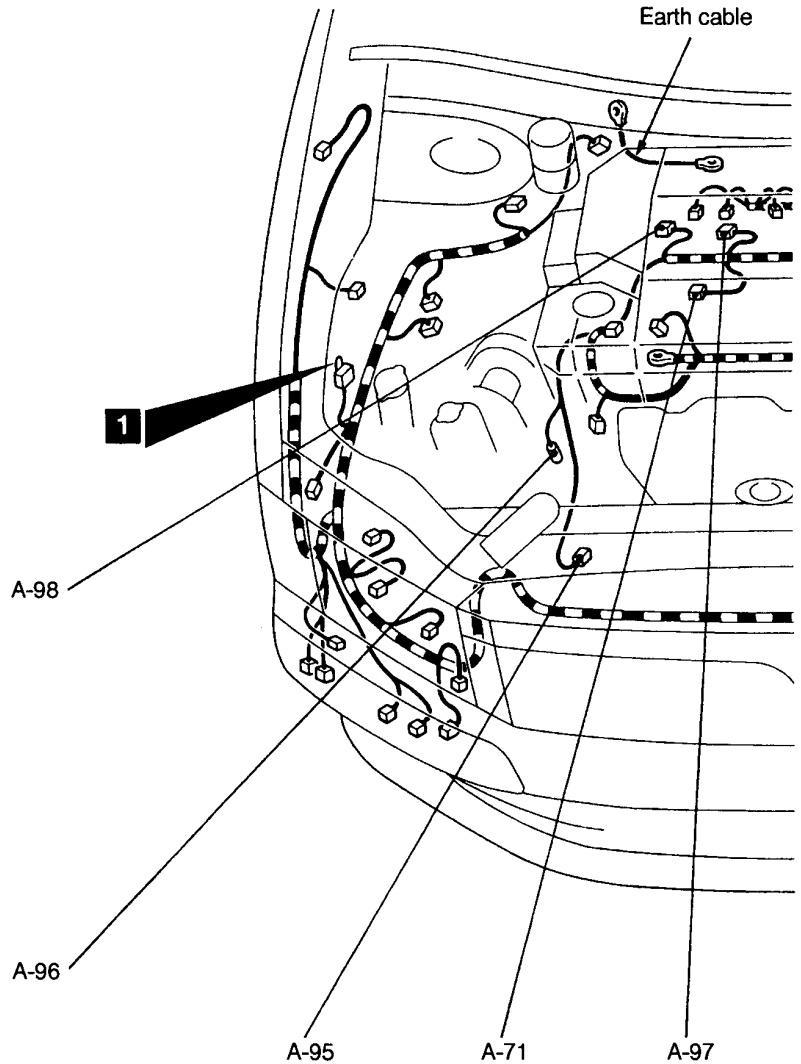
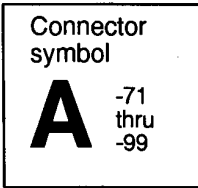
- A-01 (5-GR) Windshield wiper motor
- A-02 (2-GR) Injector 1
- A-03 (2-GR) Injector 2
- A-04 (2-GR) Injector 3
- A-05 (2-GR) Injector 4
- A-06 (8-B) Control wiring harness and injector wiring harness combination
- A-07 (7-B) Air flow sensor
- A-08 (26-B) Injector driver
- A-09 (3-B) Brake vacuum sensor
- A-10 (2-GR) Brake fluid level switch
- A-11 (2-GR) Side turn signal lamp (LH)
- A-12X (4) A/T control relay
- A-13X (4) Injector driver control relay
- A-14X (4) Engine control relay
- A-15X (4) Fuel pump relay

- A-17X (5)
- A-18X (3)
- A-20X (4)
- A-22X (5)
- A-23X (5)
- A-24X (11)
- A-25X (11)
- A-26 (2-B)
- A-27 (8-B)
- A-28 (17-GR)
- A-29 (4-B)
- A-30 (5-B)
- A-46
- A-42
- A-59
- A-41
- A-40
- A-58
- A/C compressor relay
- Inspection connector
- Fan control relay
- Horn relay
- Front fog lamp relay
- Front-ECU
- Front-ECU
- Wheel speed sensor (Front: LH) <ABS>
- Front wiring harness and control wiring harness combination
- Front wiring harness and control wiring harness combination
- Front wiring harness and battery wiring harness combination
- Battery wiring harness and control wiring harness combination



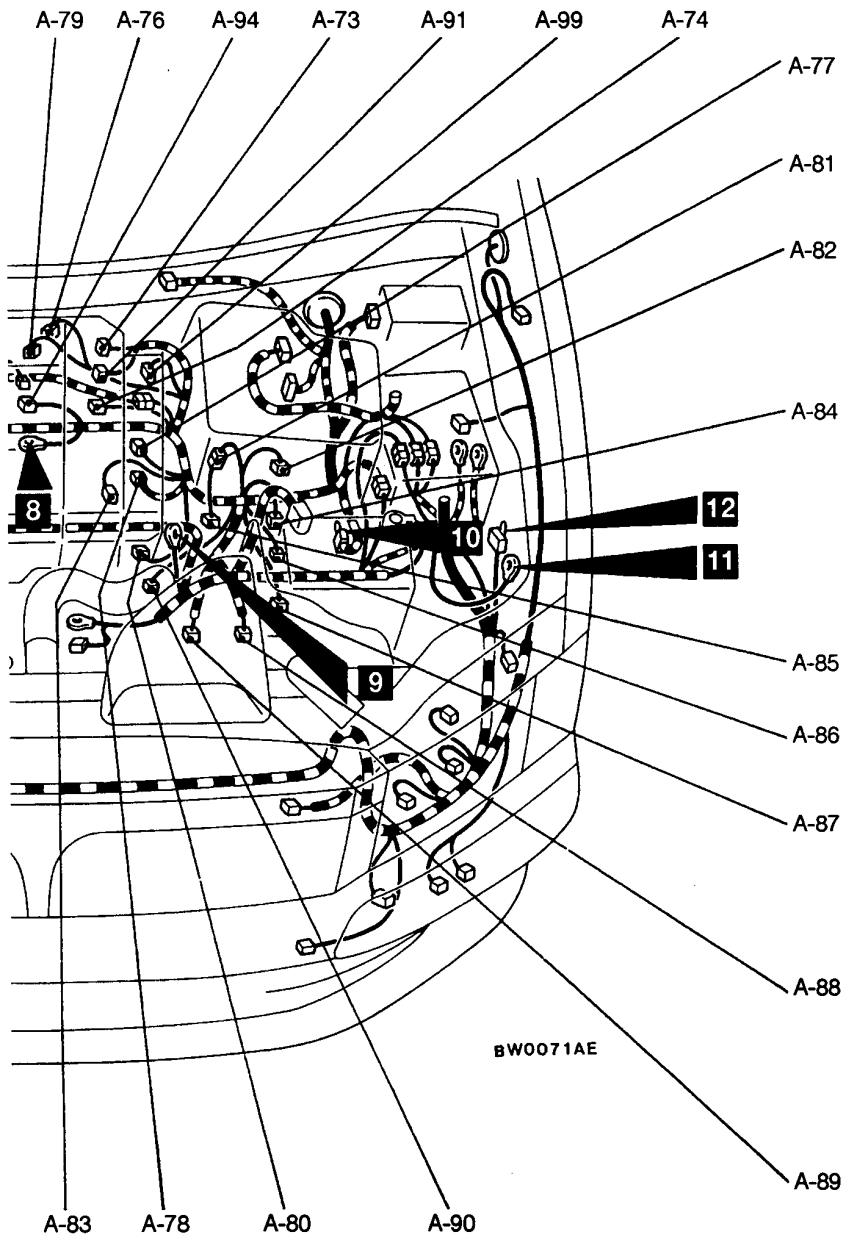


SPACE WAGON <4G64-GDI (R.H. drive vehicles)>



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  - L: Blue
  - G: Green
  - R: Red
  - BR: Brown
  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white

- |             |                              |             |  |
|-------------|------------------------------|-------------|--|
| A-71 (3-B)  | Crank angle sensor           | A-80 (2-B)  | Engine coolant temperature sensor  |
| A-73 (4-B)  | Throttle position sensor     | A-81 (3-B)  | Control wiring harness and vehicle speed sensor wiring harness combination <A/T> |
| A-74 (3-GR) | Ignition coil 4              | A-82 (3-GR) | Output shaft speed sensor <A/T>  |
| A-76 (2-B)  | Purge control solenoid valve | A-83 (1-B)  | Engine coolant temperature gauge unit  |
| A-77 (3-B)  | Fuel pressure sensor         | A-84 (2-B)  | Back-up lamp switch <M/T>  |
| A-78 (3-B)  | Camshaft position sensor     |             |  |
| A-79 (2-GR) | Detonation sensor            |             |  |

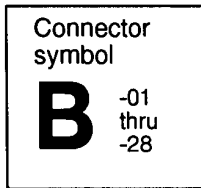


- A-85 (3) Vehicle speed sensor <A/T>
- A-86 (3-B) Vehicle speed sensor <M/T>
- A-87 (2-GR) M/T oil temperature sensor
- A-88 (10-GR) A/T control solenoid valve assembly
- A-89 (10-B) Inhibitor switch <A/T>
- A-90 (3-B) Input shaft speed sensor <A/T>
- A-91 (6-GR) EGR servo

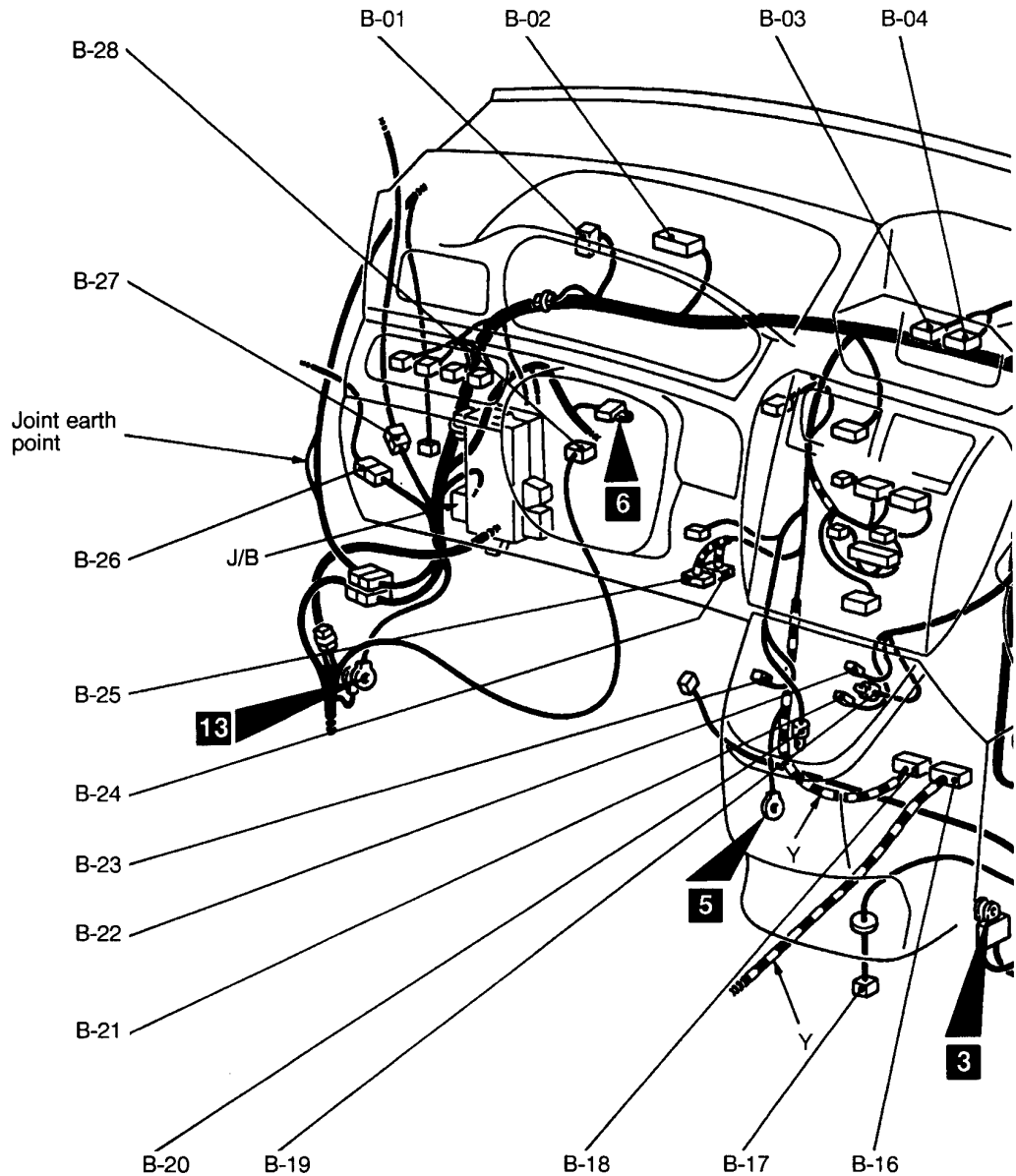
- A-94 (3-GR) Ignition coil 3
- A-95 (1-BR) A/C compressor magnetic clutch
- A-96 (1) Power steering oil pressure switch
- A-97 (3-GR) Ignition 2
- A-98 (3-GR) Ignition 1
- A-99 (4-GR) Throttle control servo

DASH PANEL

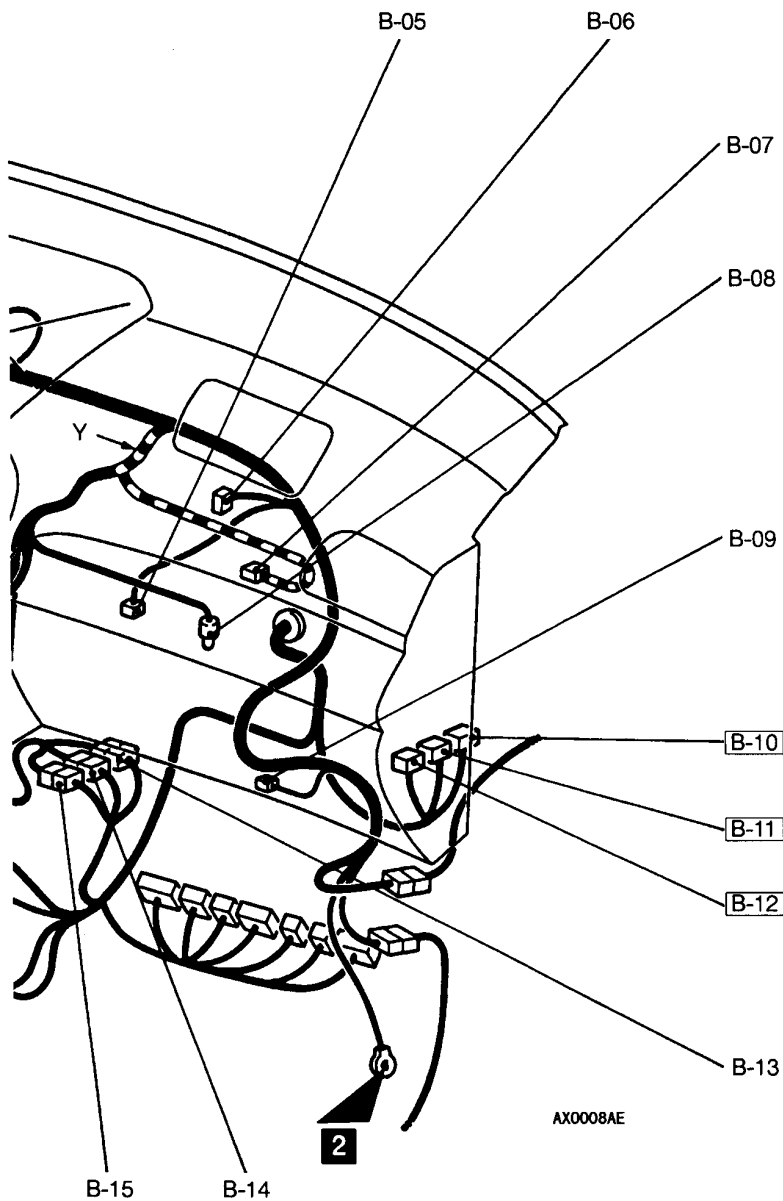
L.H. drive vehicles



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



- |             |   |                    |  |
|-------------|---|--------------------|--|
| B-01 (17)   | Combination meter                                 | <u>B-10</u> (22-L) | A/T-ECU <GDI>  |
| B-02 (25)   | Combination meter                                 | <u>B-11</u> (16-L) | A/T-ECU <GDI>  |
| B-03 (16-B) | Multi center display unit                         | <u>B-12</u> (26-L) | A/T-ECU <GDI>  |
| B-04 (20-B) | Multi center display unit                         | B-13 (4)           | Instrument panel wiring harness and control wiring harness combination       |
| B-05 (4)    | Blower resistor                                   | B-14 (32)          | Instrument panel wiring harness and control wiring harness combination       |
| B-06 (7)    | Outside/Inside air selection damper control motor | B-15 (19)          | Instrument panel wiring harness and control wiring harness combination <ABS> |
| B-07 (2-R)  | Air bag module (squib) (Passenger's side)         |                    |  |
| B-08 (2)    | Glove box lamp                                    |                    |  |
| B-09 (2)    | Blower motor                                      |                    |  |

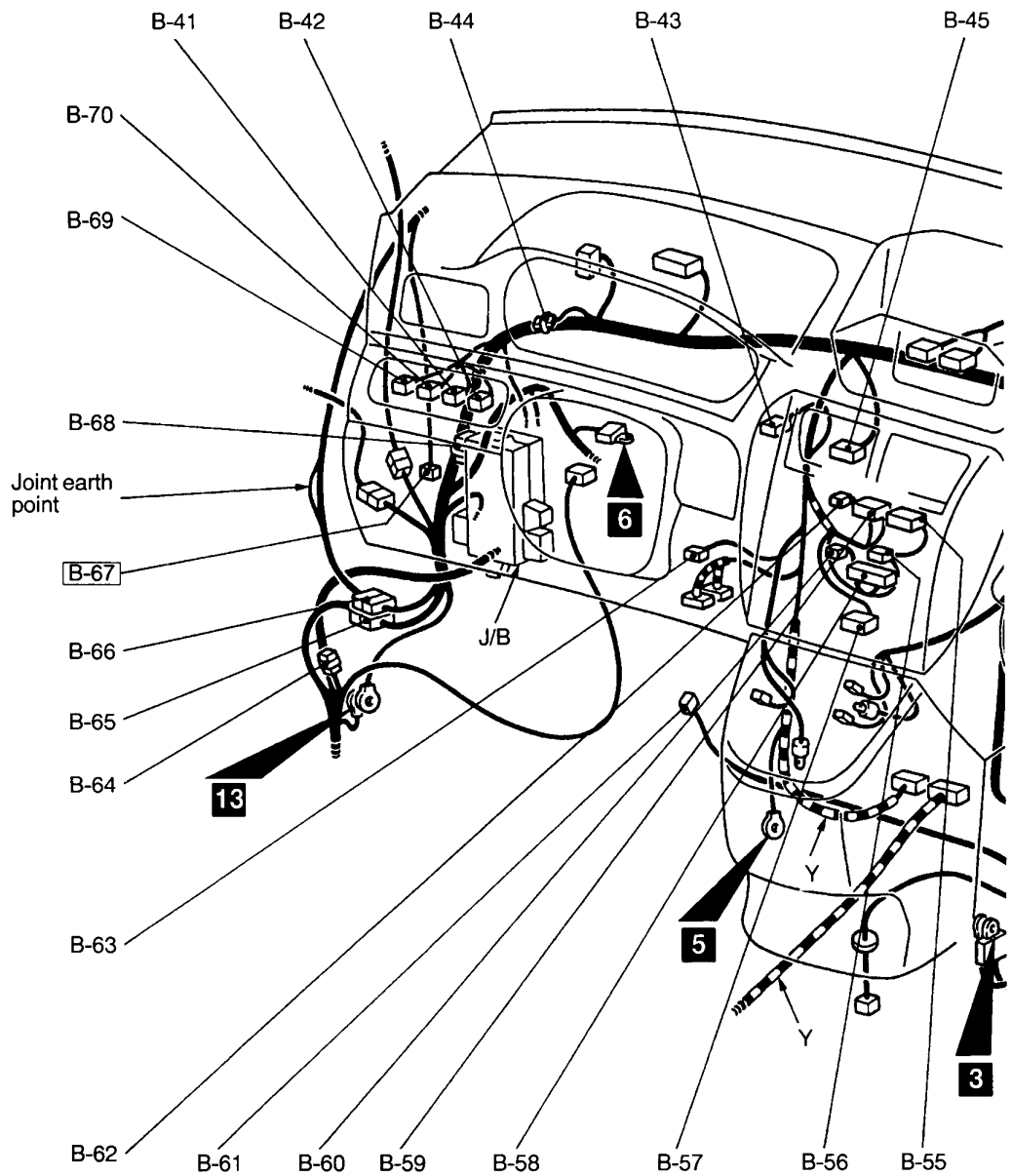
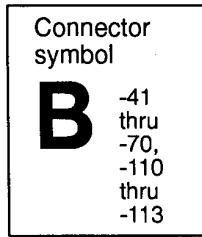


- B-16 (22-Y) SRS-ECU
- B-17 (4-B) Oxygen sensor (Front)
- B-18 (16-Y) SRS-ECU
- B-19 (2) Cigarette lighter illumination lamp
- B-20 (2) Ashtray illumination lamp
- B-21 (1) Cigarette lighter
- B-22 (1-B) Cigarette lighter
- B-23 (2) Shift switch illumination lamp <A/T>
- B-24 (12) Diagnosis connector
- B-25 (16-B) Diagnosis connector

- B-26 (32) Instrument panel wiring harness and front door wiring harness (Driver's side) combination
- B-27 (7) Instrument panel wiring harness and roof wiring harness combination
- B-28 (4) Stop lamp switch

Remark  
 Connector numbers in  are connector numbers which have been changed.

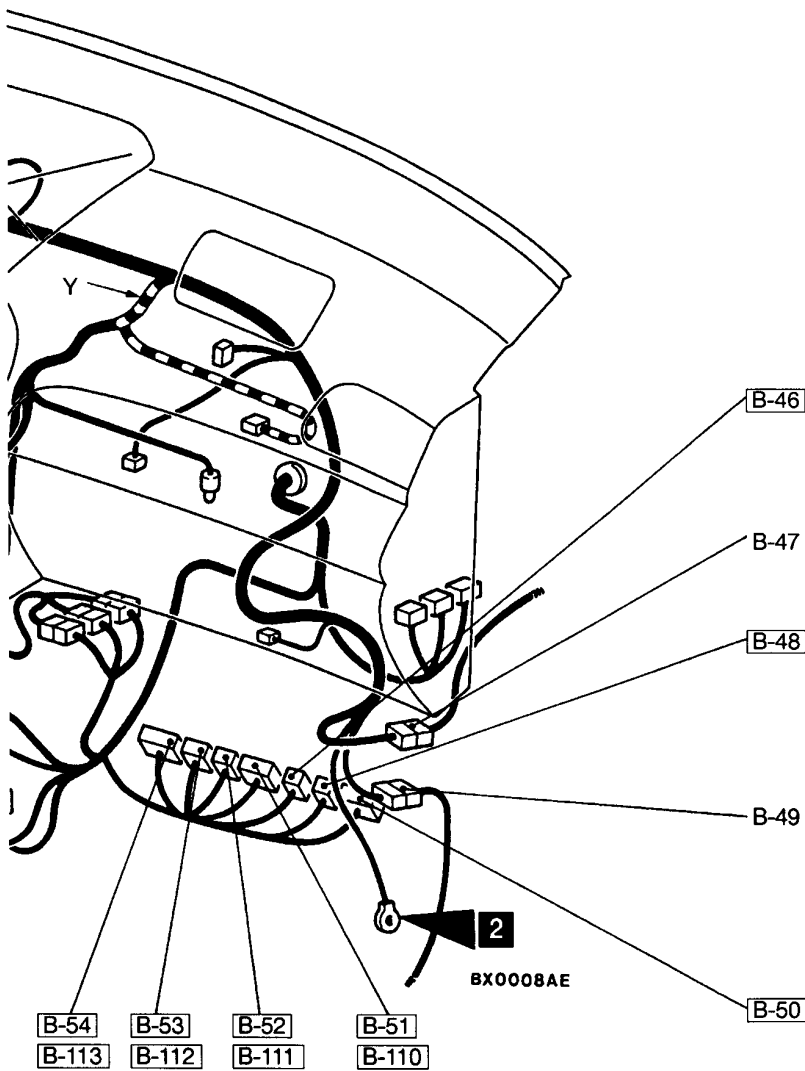
L.H. drive vehicles



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

- B-41 (6-L) Rheostat
- B-42 (6-GR) Headlamp leveling switch
- B-43 (4) Hazard warning switch
- B-44 (33) J/C (2)
- B-45 (5) Automatic compressor-ECU <A/C>
- B-46 (6) Engine oil level relay
- B-47 (32) Instrument panel wiring harness and front door wiring harness (Passenger's side) combination
- B-48 (4) Throttle control servo relay <GDI>
- B-49 (43) Instrument panel wiring harness and assist wiring harness combination

- B-50 (26-GR) Throttle valve controller <GDI>
- B-51 (22-Y) Engine-ECU <GDI, MPI-M/T>
- B-52 (12-Y) Engine-ECU <GDI, MPI-M/T>
- B-53 (16-Y) Engine-ECU <GDI, MPI-M/T>
- B-54 (26-Y) Engine-ECU <GDI, MPI-M/T>
- B-55 (16) Radio and tape player
- B-56 (6) Blower switch
- B-57 (12-B) Navigation unit or no connection
- B-58 (12) Blower switch or A/C switch

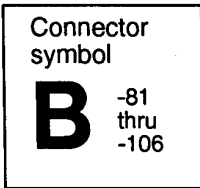


- B-59 (14) Radio and tape player
- B-60 (2) Blower control panel illumination lamp
- B-61 (2-B) Wide open throttle switch <A/T>
- B-62 (1-B) Radio and tape player
- B-63 (9) Heated seat switch
- B-64 (2-B) Diode (for room lamp circuit)
- B-65 (43) Instrument panel wiring harness and floor wiring harness combination
- B-66 (38) Instrument panel wiring harness and front wiring harness combination
- B-67 (4) Clutch switch <GDI-M/T>

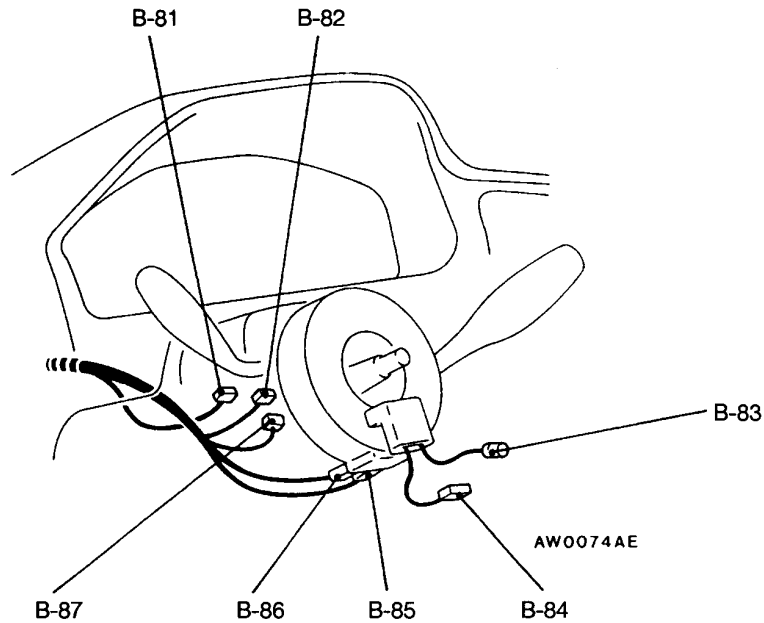
- B-68 (33) J/C (1)
- B-69 (11) Remote controlled mirror switch
- B-70 (6) Fog lamp switch
- B-110 (30-GR) Engine-A/T-ECU <MPI-A/T>
- B-111 (28-GR) Engine-A/T-ECU <MPI-A/T>
- B-112 (26-GR) Engine-A/T-ECU <MPI-A/T>
- B-113 (35-GR) Engine-A/T-ECU <MPI-A/T>

Remark  
Connector numbers in   are connector numbers which have been changed or added.

L.H. drive vehicles



STEERING COLUMN



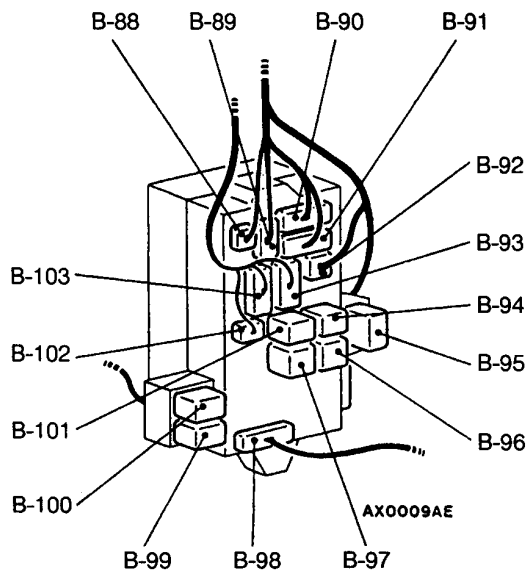
Connector color code

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

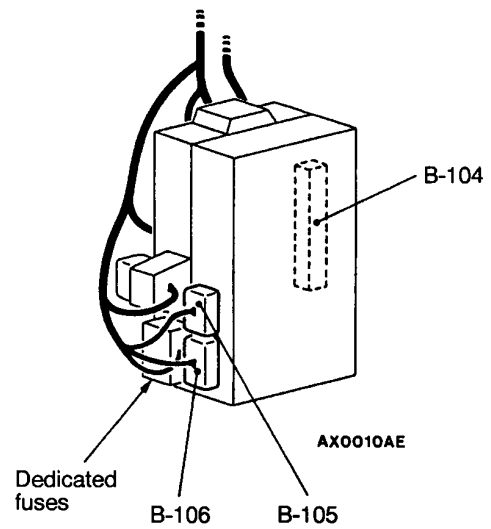
B-81 (6)	Ignition switch	B-85 (2-Y)	Clock spring
B-82 (7)	Key reminder switch	B-86 (4)	Clock spring
B-83 (1)	Horn switch	B-87 (10)	Column switch
B-84 (2)	Air bag module (squib) (Driver's side)		

JUNCTION BLOCK

(FRONT VIEW)



(REAR VIEW)

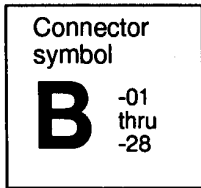


- |            |   |              |   |
|------------|---|--------------|---|
| B-88 (4)   | Instrument panel wiring harness and J/B combination | B-96 (5)     | Defogger relay                                      |
| B-89 (6)   | Instrument panel wiring harness and J/B combination | B-97 (5)     | Blower relay  |
| B-90 (13)  | Instrument panel wiring harness and J/B combination | B-98 (15)    | Floor wiring harness and J/B combination            |
| B-91 (13)  | Instrument panel wiring harness and J/B combination | B-99 (5)     | ABS warning lamp relay                              |
| B-92 (1-B) | Instrument panel wiring harness and J/B combination | B-100 (5)    | Accessory socket relay                              |
| B-93 (11)  | Instrument panel wiring harness and J/B combination | B-101 (5)    | Power window relay                                  |
| B-94 (4)   | Alternator relay                                    | B-102 (10)   | Instrument panel wiring harness and J/B combination |
| B-95 (5)   | Rear fog lamp relay                                 | B-103 (8)    | Instrument panel wiring harness and J/B combination |
|            |   | B-104 (20)   | ETACS-ECU   |
|            |   | B-105 (16-B) | ETACS-ECU   |
|            |   | B-106 (20-B) | ETACS-ECU   |



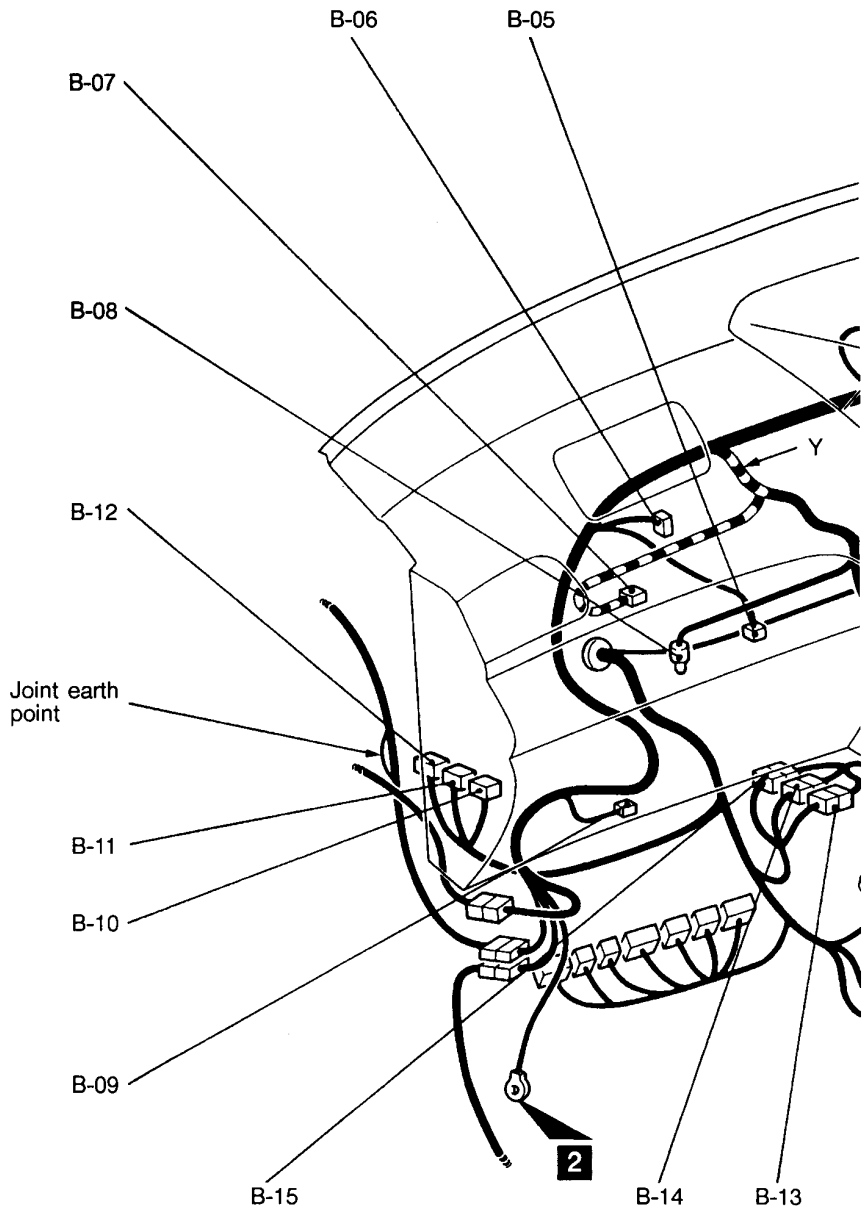
DASH PANEL

R.H. drive vehicles

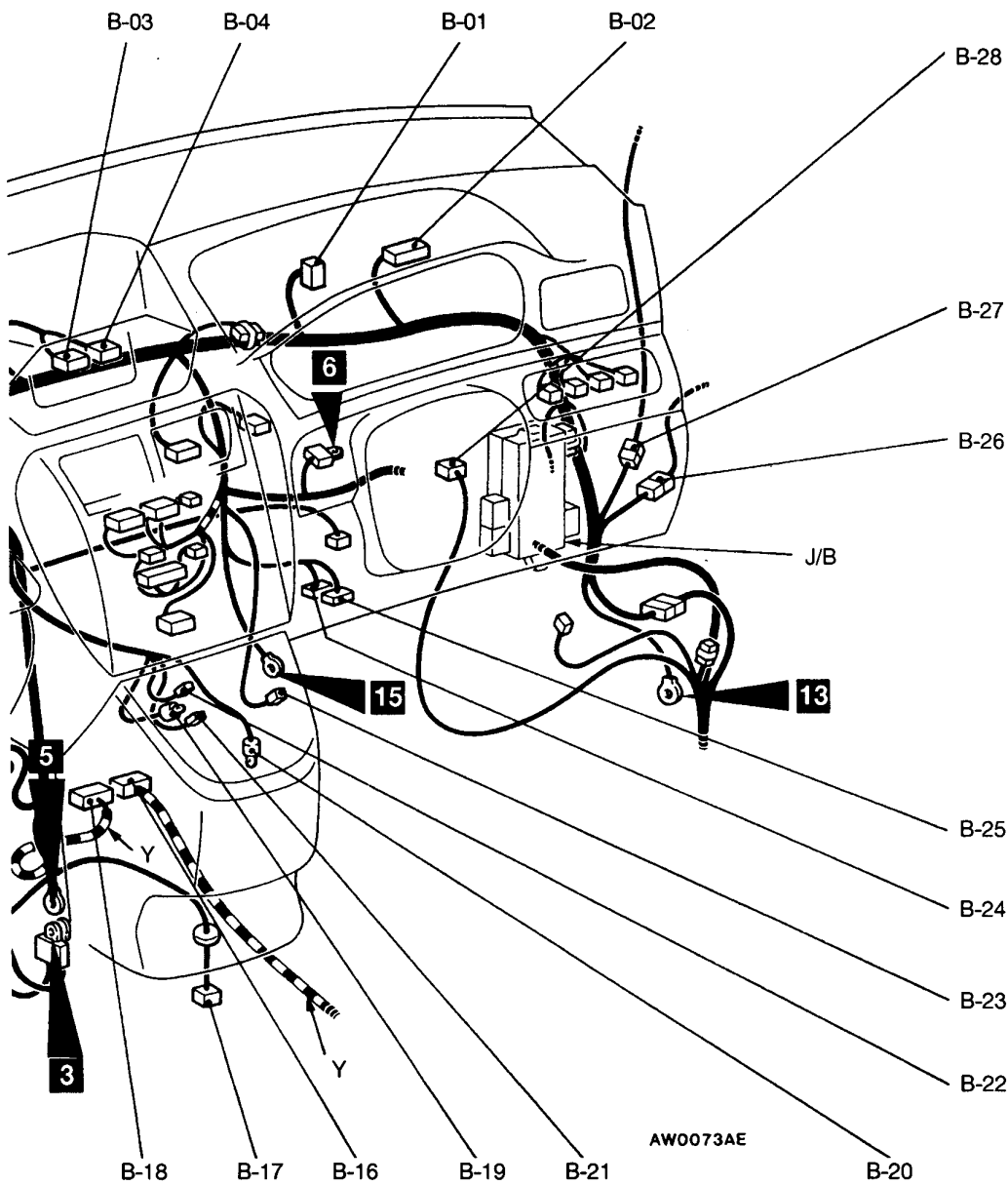


Connector color code

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



- |             |   |                    |  |
|-------------|---|--------------------|--|
| B-01 (17)   | Combination meter                                 | <b>B-10</b> (22-L) | A/T-ECU <GDI>  |
| B-02 (25)   | Combination meter                                 | <b>B-11</b> (16-L) | A/T-ECU <GDI>  |
| B-03 (16-B) | Multi center display unit                         | <b>B-12</b> (26-L) | A/T-ECU <GDI>  |
| B-04 (20-B) | Multi center display unit                         | B-13 (4)           | Instrument panel wiring harness and control wiring harness combination       |
| B-05 (4)    | Blower resistor                                   | B-14 (32)          | Instrument panel wiring harness and control wiring harness combination       |
| B-06 (7)    | Outside/Inside air selection damper control motor | B-15 (19)          | Instrument panel wiring harness and control wiring harness combination <ABS> |
| B-07 (2-R)  | Air bag module (squib) (Passenger's side)         |                    |  |
| B-08 (2)    | Glove box lamp                                    |                    |  |
| B-09 (2)    | Blower motor                                      |                    |  |



- B-16 (22-Y) SRS-ECU
- B-17 (4-B) Oxygen sensor (Front)
- B-18 (16-Y) SRS-ECU
- B-19 (2) Cigarette lighter illumination lamp
- B-20 (2) Ashtray illumination lamp
- B-21 (1) Cigarette lighter
- B-22 (1-B) Cigarette lighter
- B-23 (2) Shift switch illumination lamp <A/T>
- B-24 (12) Diagnosis connector
- B-25 (16-B) Diagnosis connector

- B-26 (32) Instrument panel wiring harness and front door wiring harness (Driver's side) combination
- B-27 (7) Instrument panel wiring harness and roof wiring harness combination
- B-28 (4) Stop lamp switch

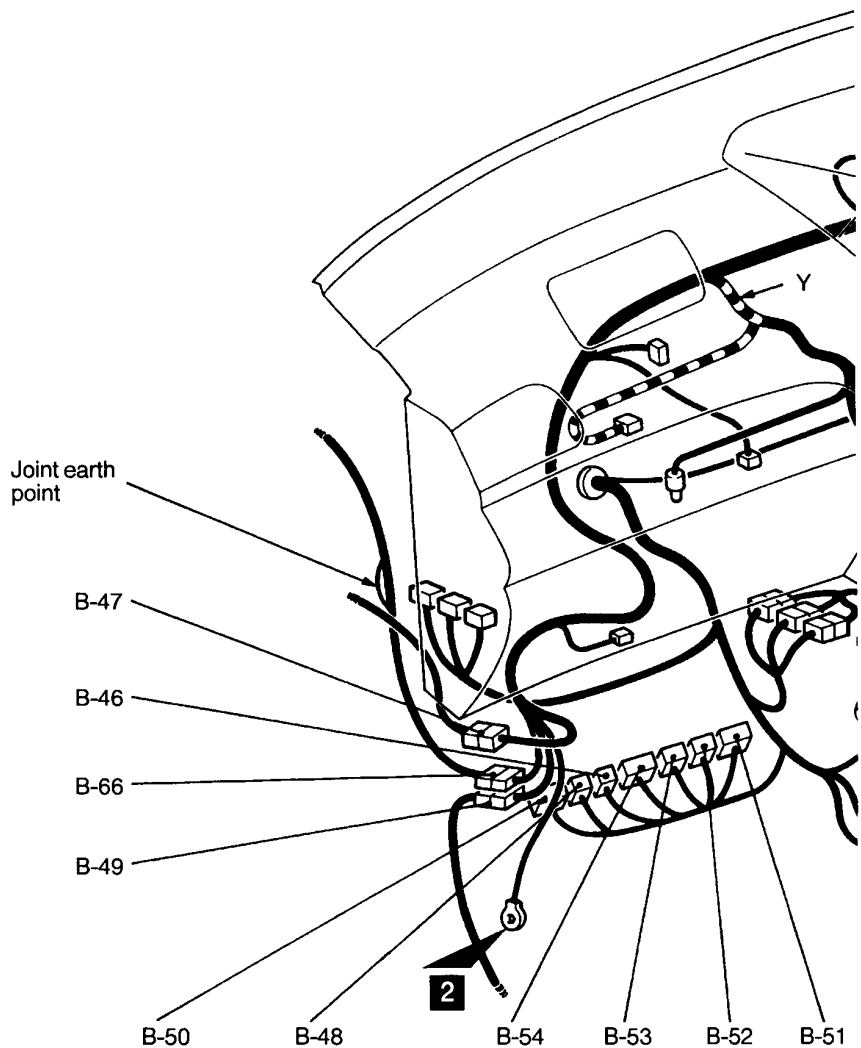
Remark  
 Connector numbers in  are connector numbers which have been changed.

R.H. drive vehicles

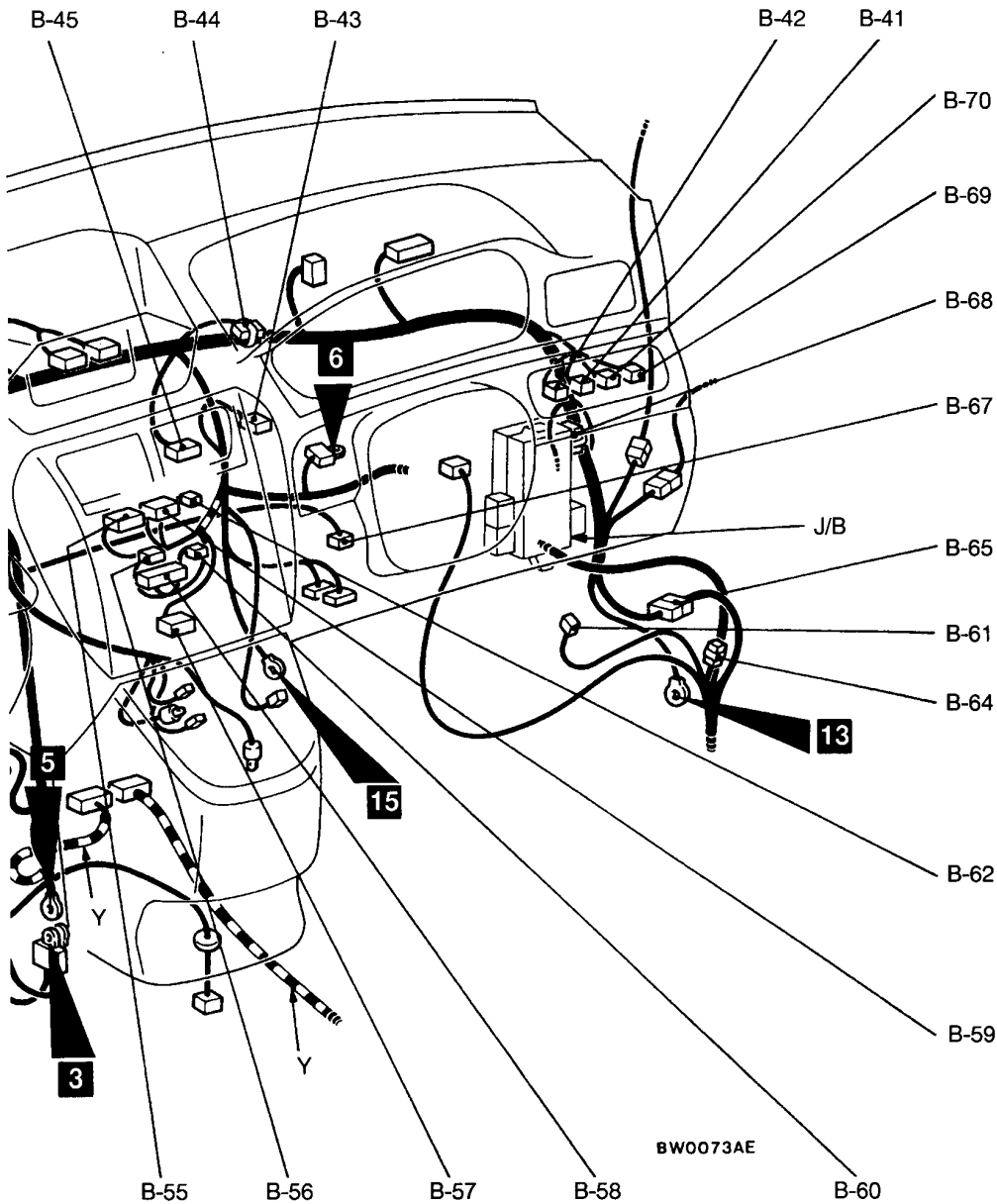
Connector symbol	
<b>B</b>	-41 thru -70, -110 thru -113

Connector color code

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



B-41 (6-L)	Rheostat	B-49 (43)	Instrument panel wiring harness and assist wiring harness combination
B-42 (6-GR)	Headlamp leveling switch	<u>B-50</u> (26-GR)	Throttle valve controller <GDI>
B-43 (4)	Hazard warning switch	<u>B-51</u> (22-Y)	Engine-ECU <GDI, MPI-M/T>
B-44 (33)	J/C (2)	<u>B-52</u> (12-Y)	Engine-ECU <GDI, MPI-M/T>
B-45 (5)	Automatic compressor-ECU <A/C>	<u>B-53</u> (16-Y)	Engine-ECU <GDI, MPI-M/T>
<u>B-46</u> (6)	Engine oil level relay	<u>B-54</u> (26-Y)	Engine-ECU <GDI, MPI-M/T>
B-47 (32)	Instrument panel wiring harness and front door wiring harness (Passenger's side) combination	B-55 (16)	Radio and tape player
<u>B-48</u> (4)	Throttle control servo relay <GDI>	B-56 (6)	Blower switch
		B-57 (12-B)	Navigation unit or no connection



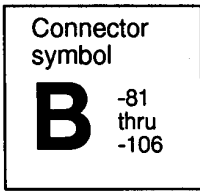
BW0073AE

- B-58 (12) Blower switch or A/C switch
- B-59 (14) Radio and tape player
- B-60 (2) Blower control panel illumination lamp
- B-61 (2-B) Wide open throttle switch <A/T>
- B-62 (1-B) Radio and tape player
- B-64 (2-B) Diode (for room lamp circuit)
- B-65 (43) Instrument panel wiring harness and floor wiring harness combination
- B-66 (38) Instrument panel wiring harness and front wiring harness combination
- B-67 (4) Clutch switch <GDI-M/T>

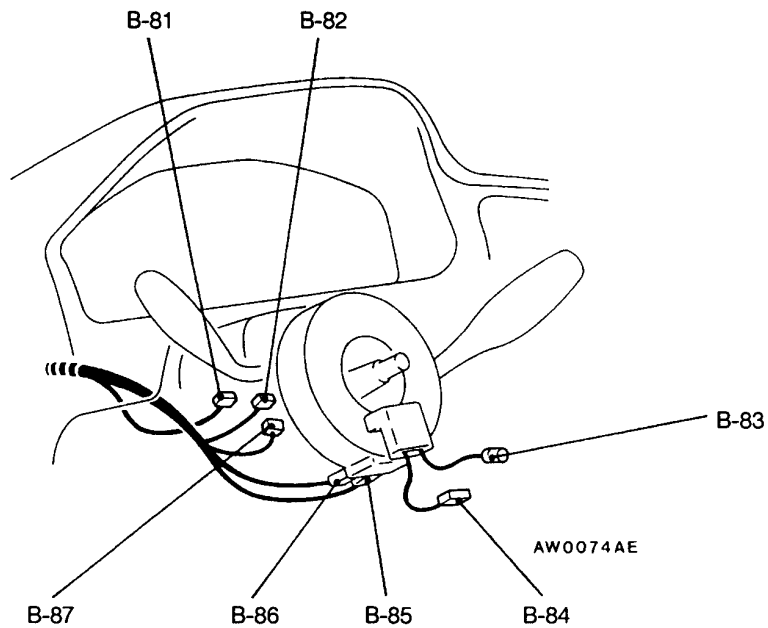
- B-68 (33) J/C (1)
- B-69 (11) Remote controlled mirror switch
- B-70 (6) Fog lamp switch
- B-110 (30-GR) Engine-A/T-ECU <MPI-A/T>
- B-111 (28-GR) Engine-A/T-ECU <MPI-A/T>
- B-112 (26-GR) Engine-A/T-ECU <MPI-A/T>
- B-113 (35-GR) Engine-A/T-ECU <MPI-A/T>

Remark  
Connector numbers in   are connector numbers which have been changed or added.

R.H. drive vehicles



STEERING COLUMN

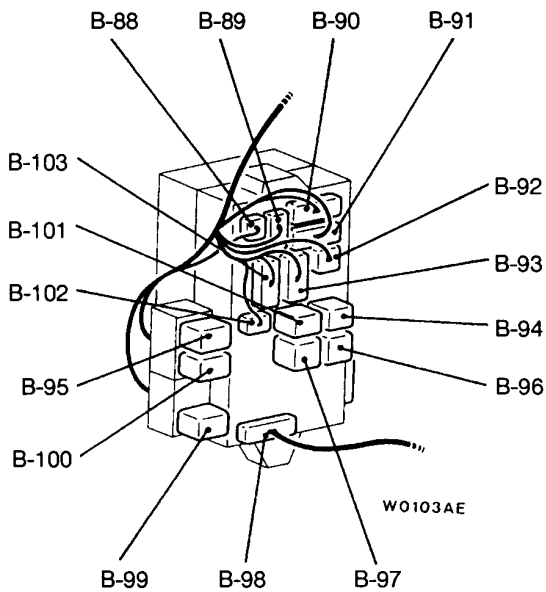


- Connector color code
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  - L: Blue
  - G: Green
  - R: Red
  - BR: Brown
  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white

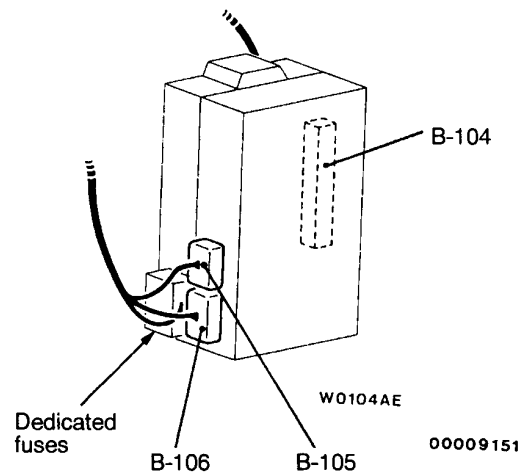
B-81 (6)	Ignition switch	B-85 (2-Y)	Clock spring
B-82 (7)	Key reminder switch	B-86 (4)	Clock spring
B-83 (1)	Horn switch	B-87 (10)	Column switch
B-84 (2)	Air bag module (squib) (Driver's side)		

JUNCTION BLOCK

(FRONT VIEW)



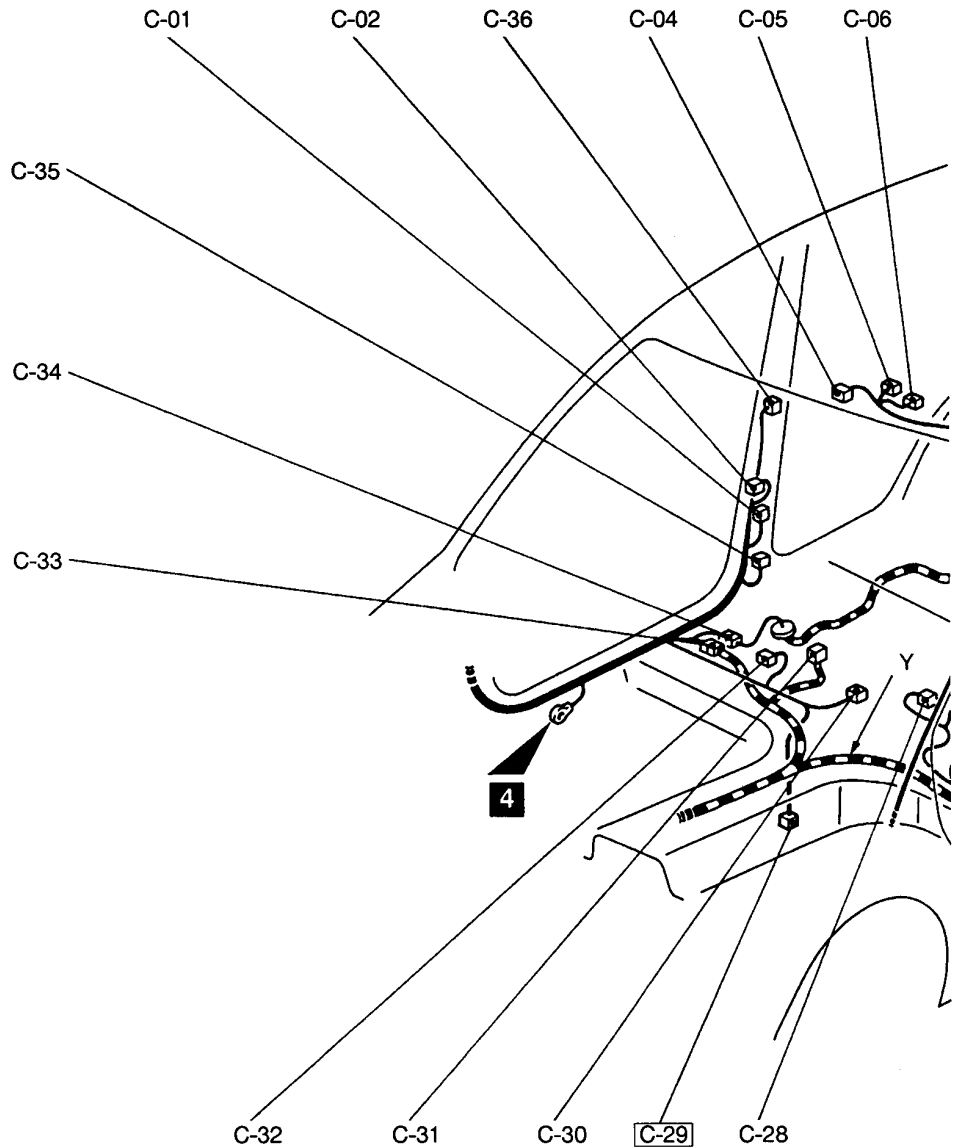
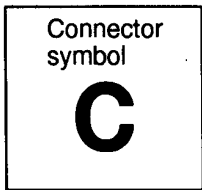
(REAR VIEW)



- |            |   |              |   |
|------------|---|--------------|---|
| B-88 (4)   | Instrument panel wiring harness and J/B combination | B-96 (5)     | Defogger relay                                      |
| B-89 (6)   | Instrument panel wiring harness and J/B combination | B-97 (5)     | Blower relay  |
| B-90 (13)  | Instrument panel wiring harness and J/B combination | B-98 (15)    | Floor wiring harness and J/B combination            |
| B-91 (13)  | Instrument panel wiring harness and J/B combination | B-99 (5)     | ABS warning lamp relay                              |
| B-92 (1-B) | Instrument panel wiring harness and J/B combination | B-100 (5)    | Accessory socket relay                              |
| B-93 (11)  | Instrument panel wiring harness and J/B combination | B-101 (5)    | Power window relay                                  |
| B-94 (4)   | Alternator relay                                    | B-102 (10)   | Instrument panel wiring harness and J/B combination |
| B-95 (5)   | Rear fog lamp relay                                 | B-103 (8)    | Instrument panel wiring harness and J/B combination |
|            |   | B-104 (20)   | ETACS-ECU   |
|            |   | B-105 (16-B) | ETACS-ECU   |
|            |   | B-106 (20-B) | ETACS-ECU   |

FLOOR AND ROOF

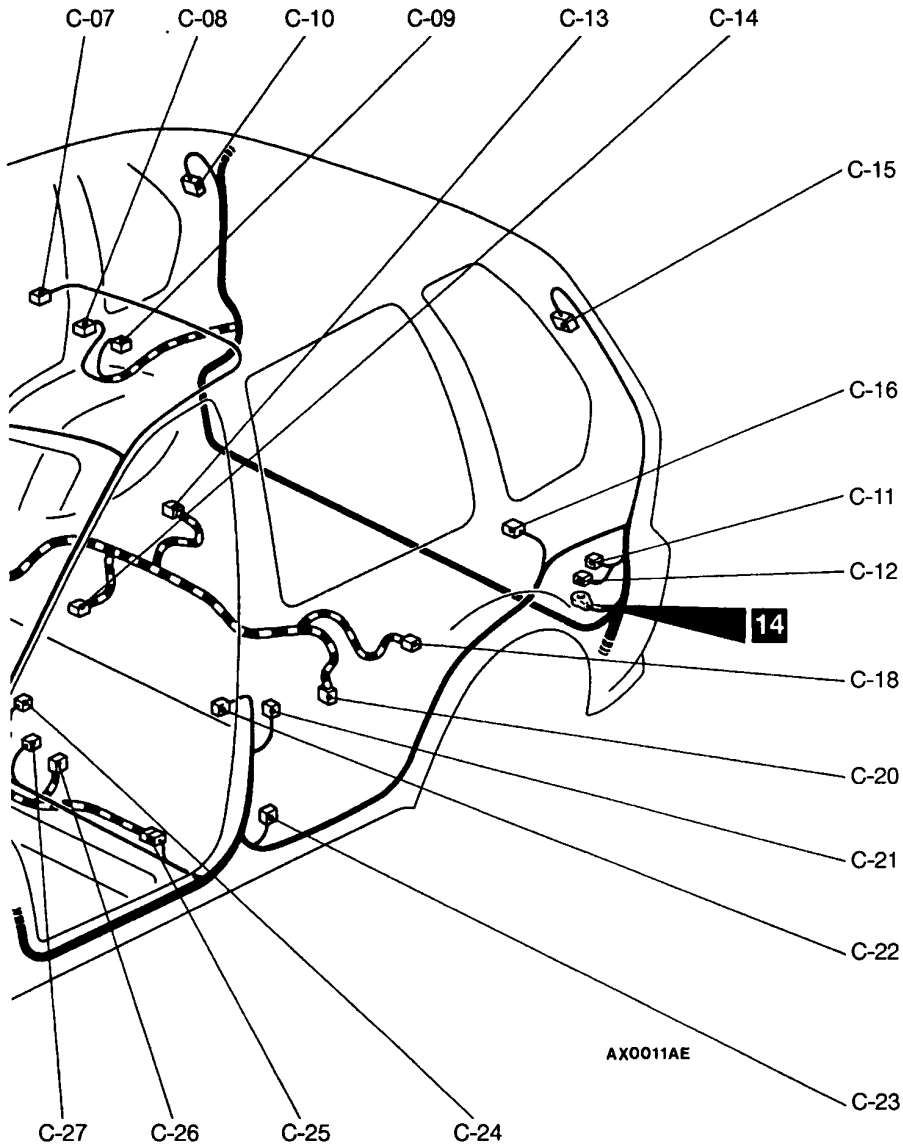
SPACE RUNNER <L.H. drive vehicles>



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

- C-01 (3) Side impact sensor (RH)
- C-02 (3) Front door switch (RH)
- C-04 (2) Front room lamp or no connection
- C-05 (6-B) Sunroof switch
- C-06 (10) Sunroof-ECU
- C-07 (2-GR) Rear room lamp
- C-08 (3) Rear door switch (RH)
- C-09 (2) Rear speaker (RH)
- C-10 (4) Rear combination lamp (RH)
- C-11 (1-B) Accessory socket

- C-12 (1) Accessory socket
- C-13 (2-B) Wheel speed sensor (Rear: RH) <ABS>
- C-14 (4) Fuel gauge unit
- C-15 (4) Rear combination lamp (LH)
- C-16 (2) Rear speaker (LH)
- C-18 (2-B) Wheel speed sensor (Rear: LH) <ABS>
- C-20 (5-GR) Fuel gauge unit (Main) and fuel pump
- C-21 (3) Side impact sensor (LH)
- C-22 (3) Front door switch (LH)



- C-23 (2-R) Seat belt pretensioner (LH)
- C-25 (5) Floor wiring harness and side air bag wiring harness combination
- C-26 (2-R) Side air bag module (squib) (LH)
- C-27 (3) Heated seat assembly (LH)
- C-28 (1) Parking brake switch
- C-29 (4) Oxygen sensor (Rear)
- C-30 (3) Heated seat assembly (RH)
- C-31 (2-R) Side air bag module (squib) (RH)
- C-32 (12-B) Navigation unit

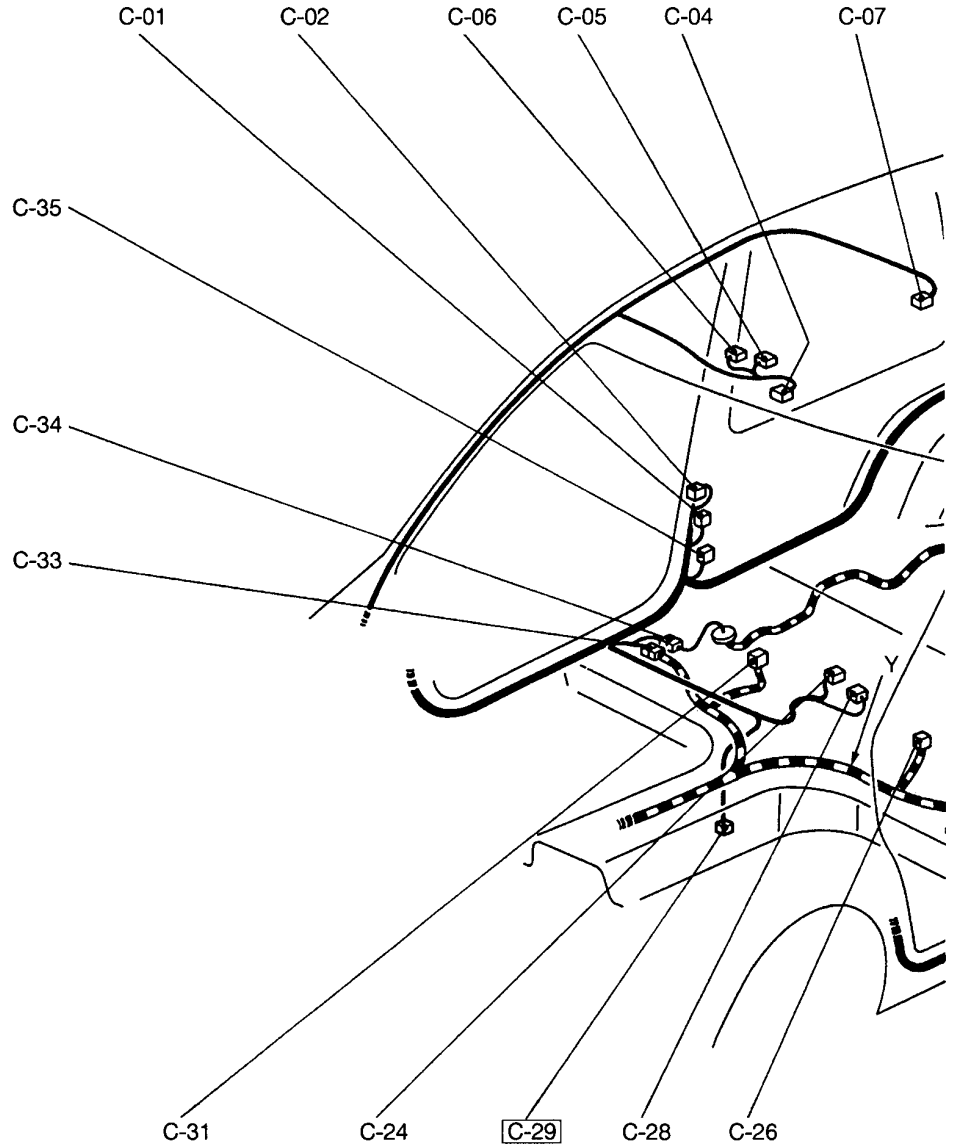
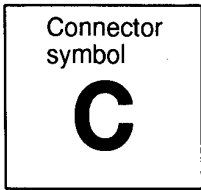
- C-33 (4) Assist wiring harness and side air bag wiring harness combination
- C-34 (9) Assist wiring harness and fuel wiring harness combination
- C-35 (2-R) Seat belt pretensioner (RH)
- C-36 (5) Contact switch

Remark  
 Connector numbers in  are connector numbers which have been added.



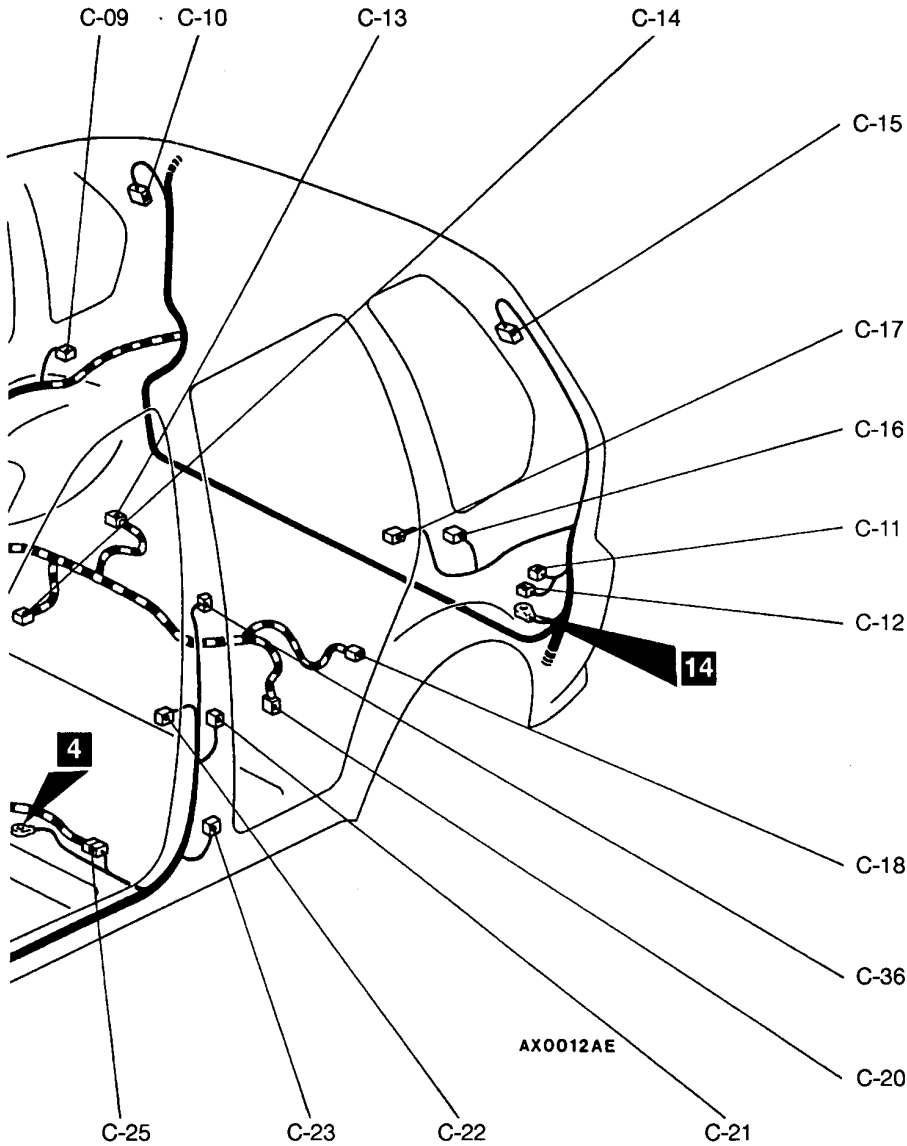
FLOOR AND ROOF

SPACE RUNNER <R.H. drive vehicles>



- Connector color code
- B: Black
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  - L: Blue
  - G: Green
  - R: Red
  - BR: Brown
  - V: Violet
  - O: Orange
  - GR: Gray
  - None: Milk white

C-01 (3)	Side impact sensor (RH)	C-11 (1-B)	Accessory socket
C-02 (3)	Front door switch (RH)	C-12 (1)	Accessory socket
C-04 (2)	Front room lamp or no connection	C-13 (2-B)	Wheel speed sensor (Rear: RH) <ABS>
C-05 (6-B)	Sunroof switch	C-14 (4)	Fuel gauge unit (Sub)
C-06 (10)	Sunroof-ECU	C-15 (4)	Rear combination lamp (LH)
C-07 (2-GR)	Rear room lamp	C-16 (2)	Rear speaker (LH)
C-09 (2)	Rear speaker (RH)	C-17 (3)	Rear door switch (RH)
C-10 (4)	Rear combination lamp (RH)		



- C-18 (2-B) Wheel speed sensor (Rear: LH) <ABS>
- C-20 (5-GR) Fuel gauge unit (Main) and fuel pump
- C-21 (3) Side impact sensor (LH)
- C-22 (3) Front door switch (LH)
- C-23 (2-R) Seat belt pretensioner (LH)
- C-25 (4) Assist wiring harness and side air bag wiring harness combination
- C-26 (2-R) Side air bag module (squib) (LH)
- C-28 (1) Parking brake switch
- C-29 (4) Oxygen sensor (Rear)
- C-31 (2-R) Side air bag module (squib) (RH)

- C-33 (4) Floor wiring harness and side air bag wiring harness combination
- C-34 (9) Floor wiring harness and fuel wiring harness combination
- C-35 (2-R) Seat belt pretensioner (RH)
- C-36 (5) Contact switch

Remark  
Connector numbers in   are connector numbers which have been added.

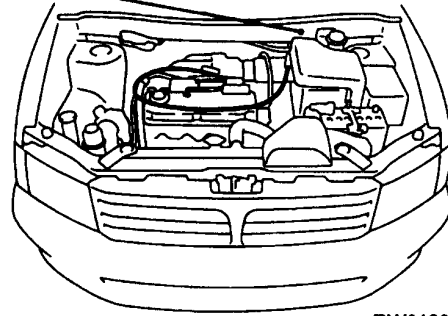
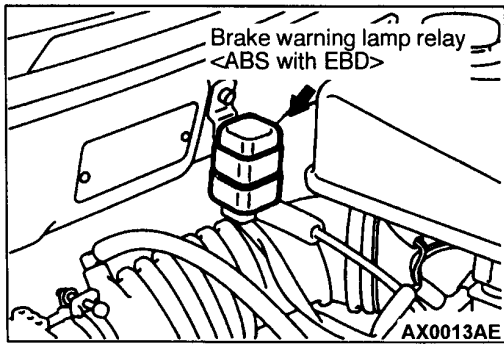
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# SINGLE PART INSTALLATION POSITION

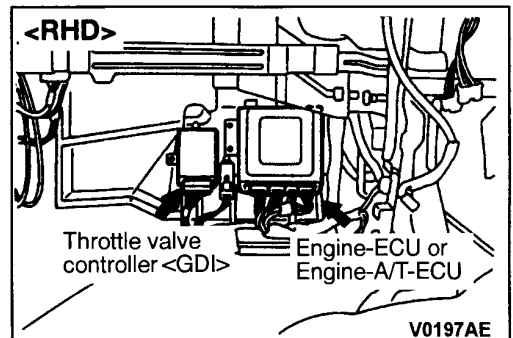
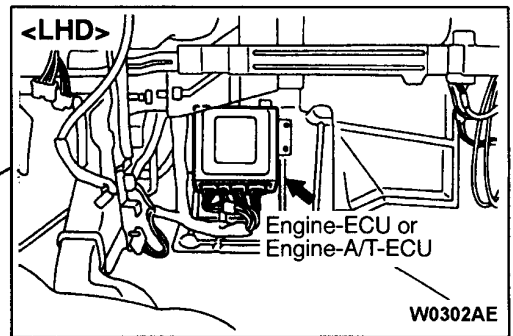
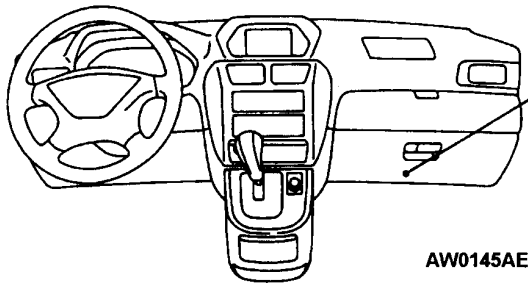
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ECU .....	3-2	SOLENOID VALVE .....	3-4

RELAY

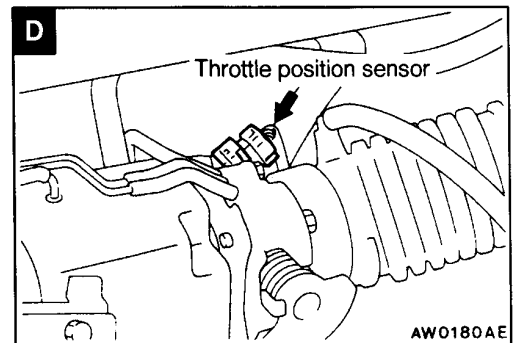
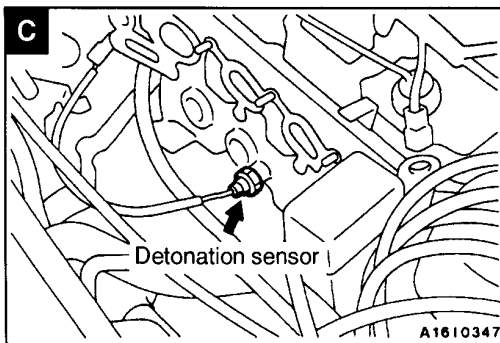
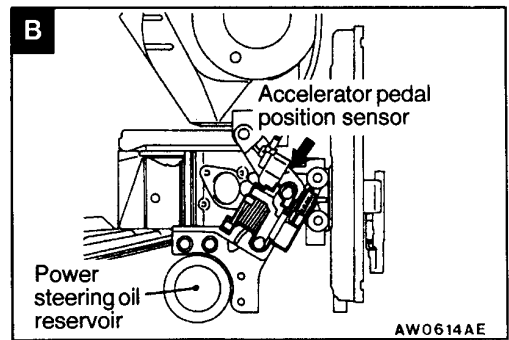
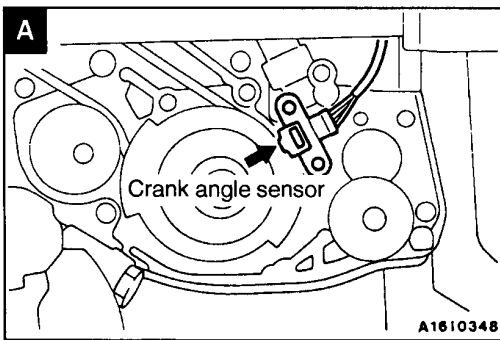
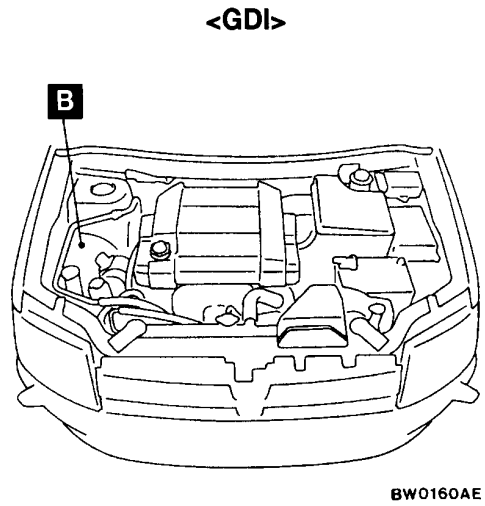
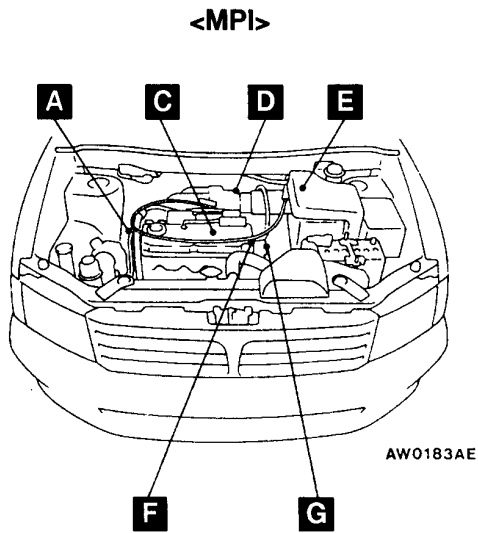


ECU

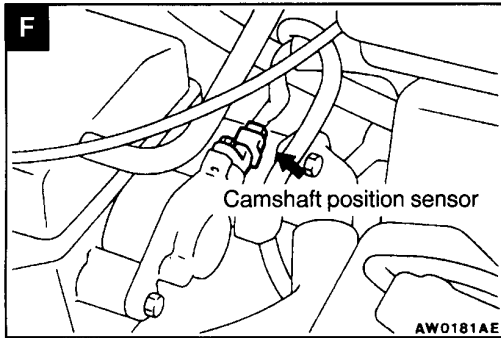
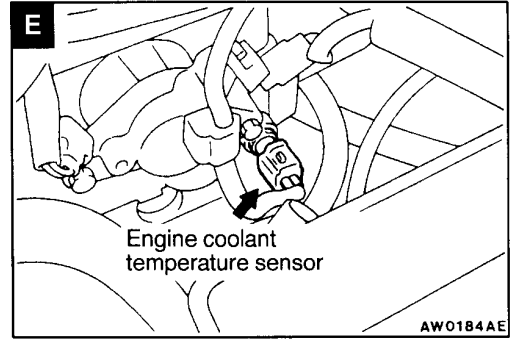
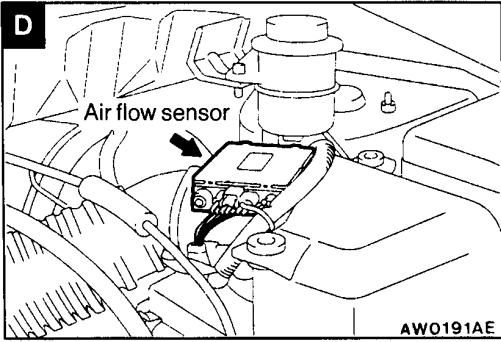


**SENSOR**

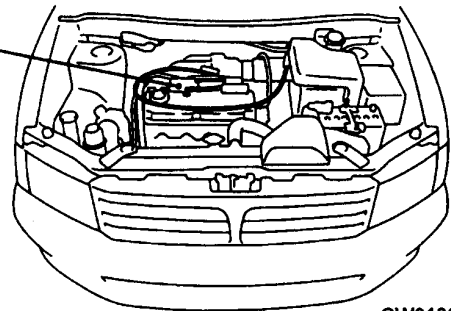
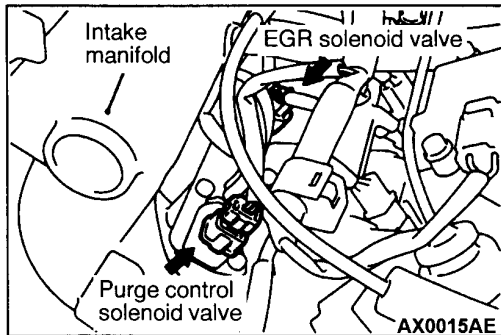
Name	Symbol	Name	Symbol
Accelerator pedal position sensor <GDI (SPACE RUNNER)>	B	Detonation sensor <MPI>	C
Air flow sensor <MPI>	E	Engine coolant temperature sensor <MPI>	F
Camshaft position sensor <MPI>	G		
Crank angle sensor <MPI>	A	Throttle position sensor <MPI>	D



### 3-4 SINGLE PART INSTALLATION POSITION – Sensor/Solenoid Valve



### SOLENOID VALVE



CW0183AE

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# CIRCUIT DIAGRAM

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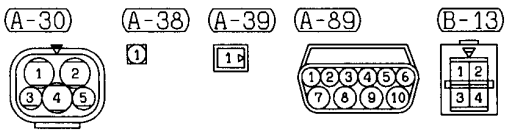
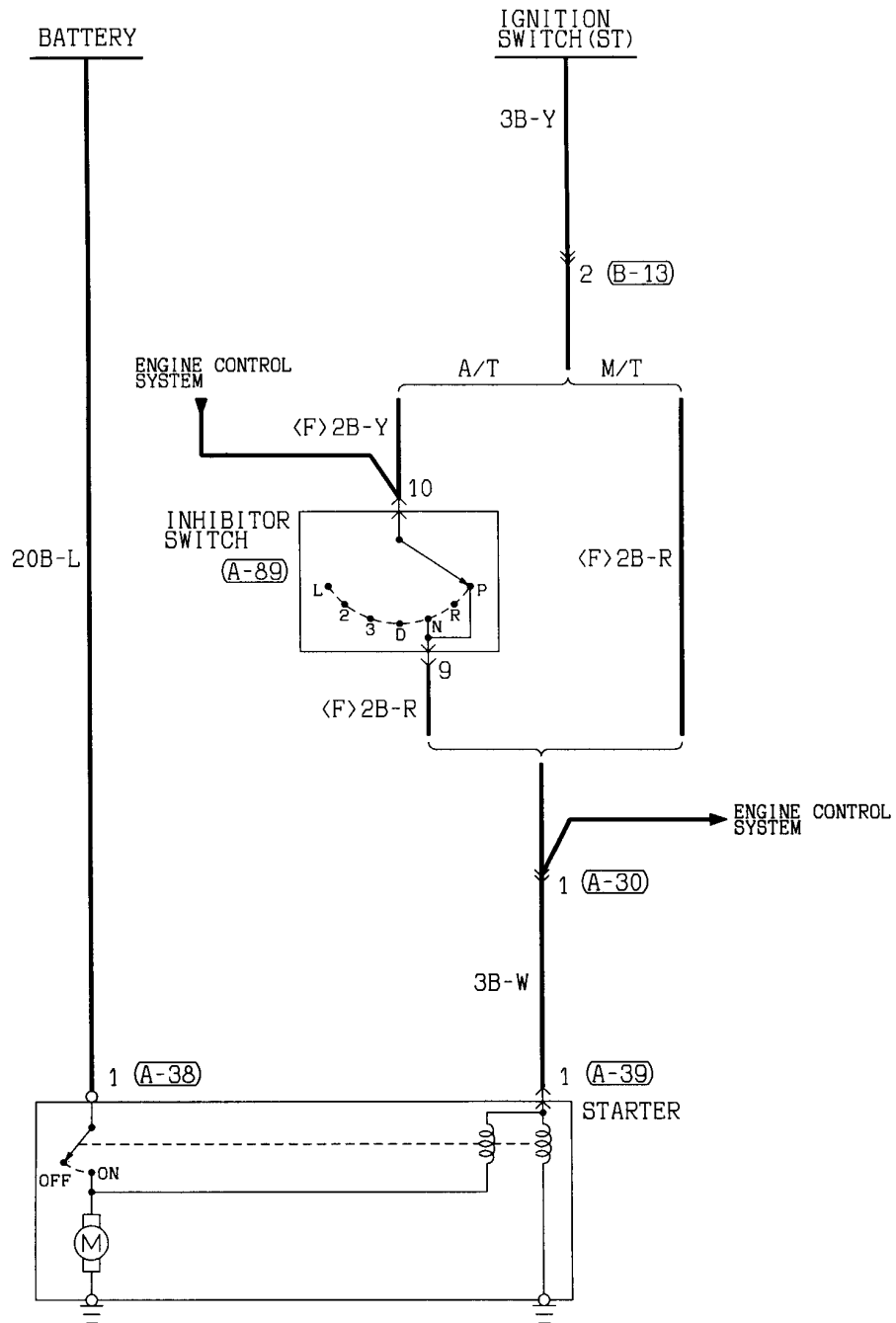
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NOTES



STARTING SYSTEM

1

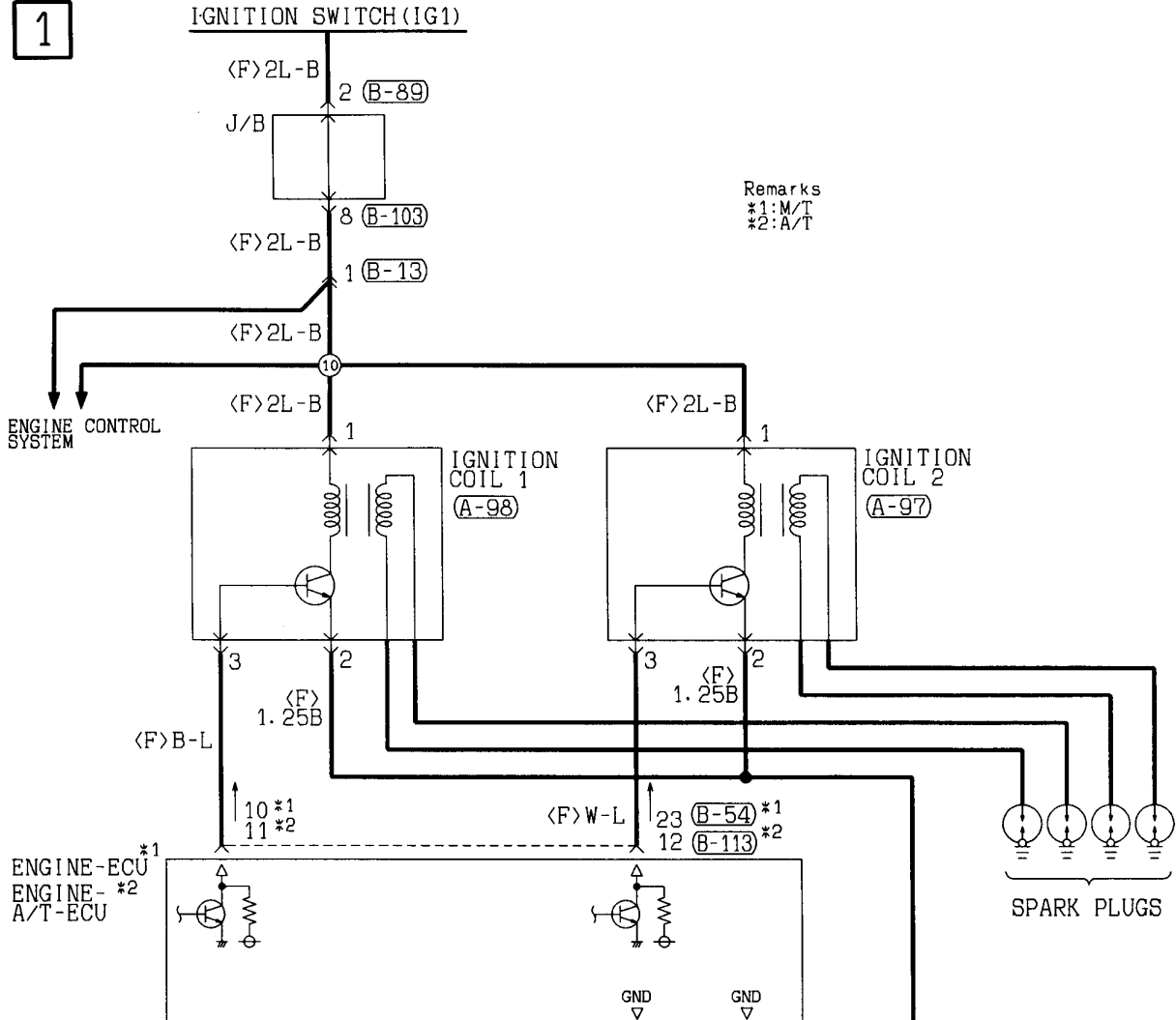


Wire colour code  
 B : Black      LG: Light green      G : Green      L : Blue  
 BR: Brown      O : Orange      GR: Gray      R : Red  
 W : White      SB: Sky blue      P : Pink      Y : Yellow  
 V : Violet

IGNITION SYSTEM

MPI

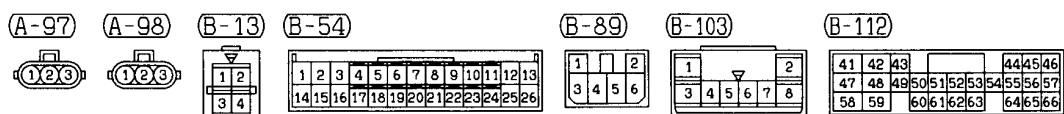
1



Remarks  
\*1:M/T  
\*2:A/T

ENGINE-ECU \*1  
ENGINE- \*2  
A/T-ECU

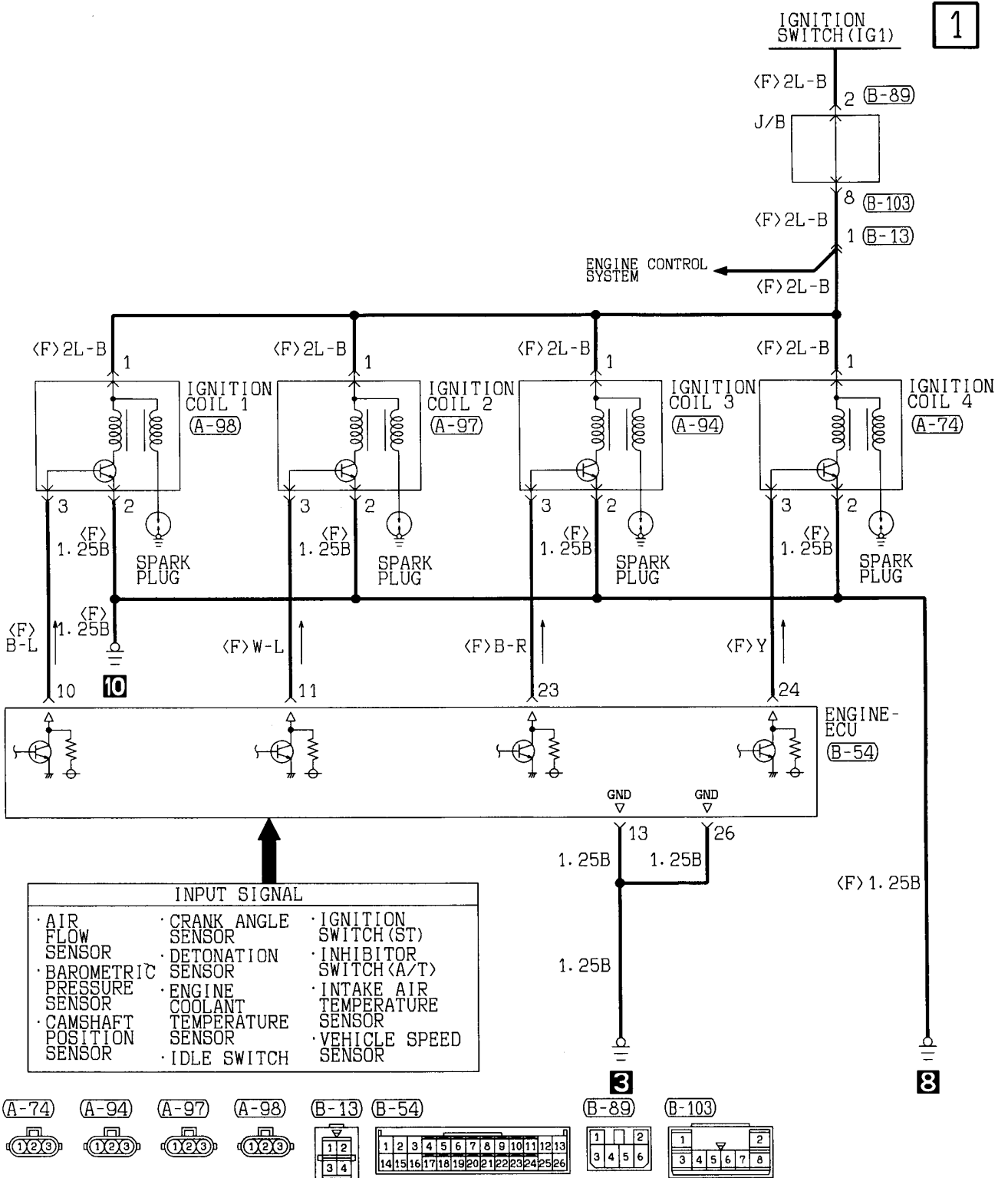
- INPUT SIGNAL
- AIR FLOW SENSOR
  - BAROMETRIC PRESSURE SENSOR
  - CAMSHAFT POSITION SENSOR
  - CRANK ANGLE SENSOR
  - ENGINE COOLANT TEMPERATURE SENSOR
  - IDLE SWITCH
  - IGNITION SWITCH (ST)
  - INHIBITOR SWITCH (A/T)
  - INTAKE AIR TEMPERATURE SENSOR
  - VEHICLE SPEED SENSOR



Wire colour code

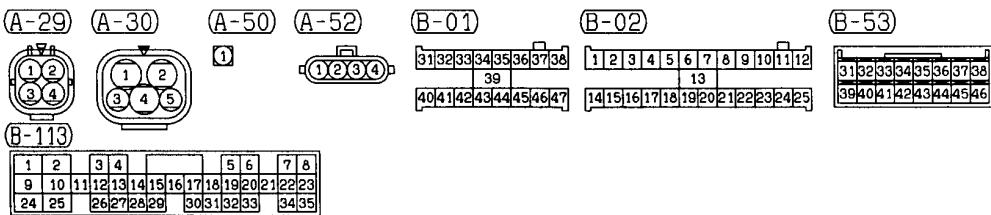
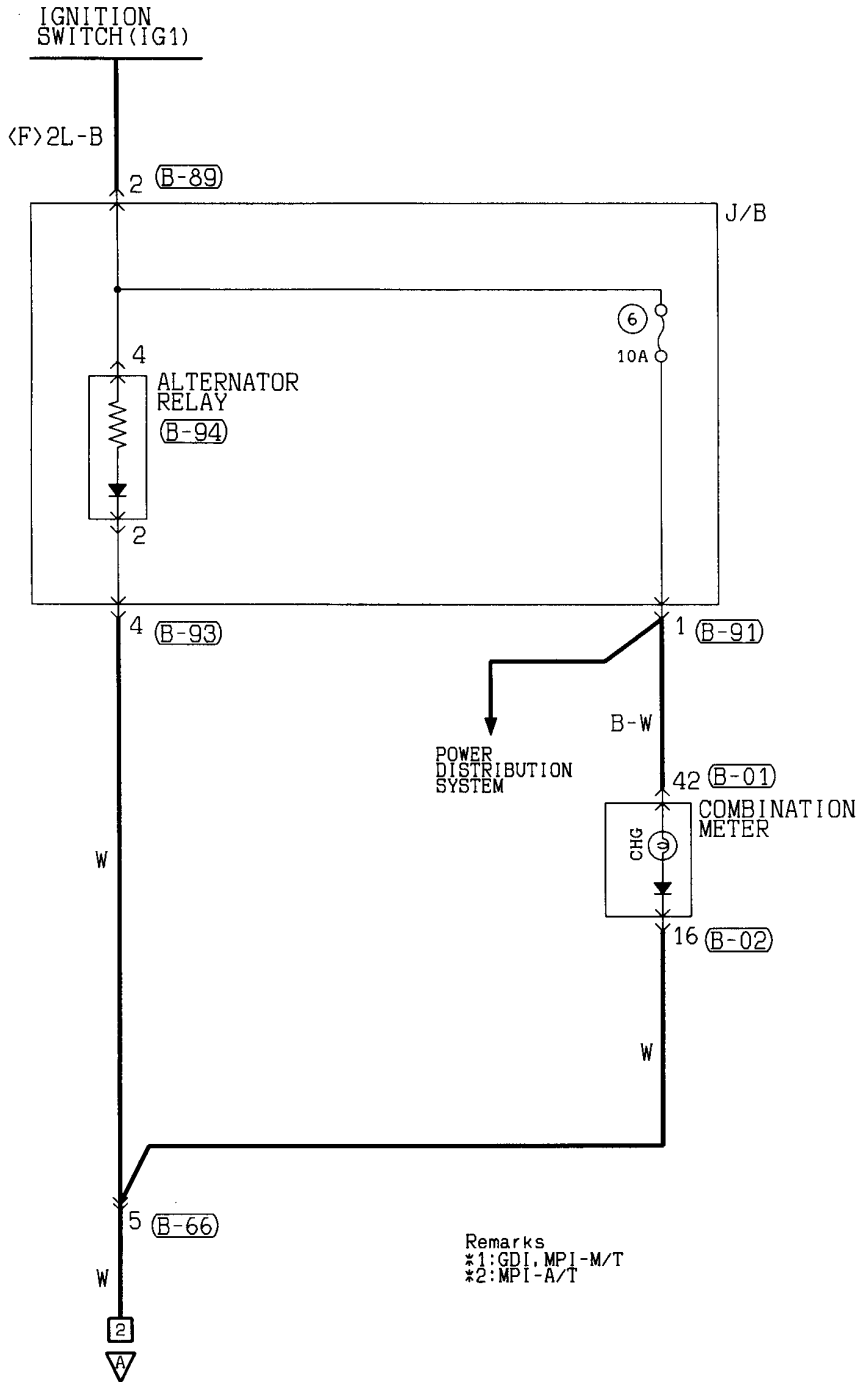
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BR: Brown	O : Orange	GR: Gray	R : Red
W : White	SB: Sky blue	P : Pink	Y : Yellow
V : Violet			

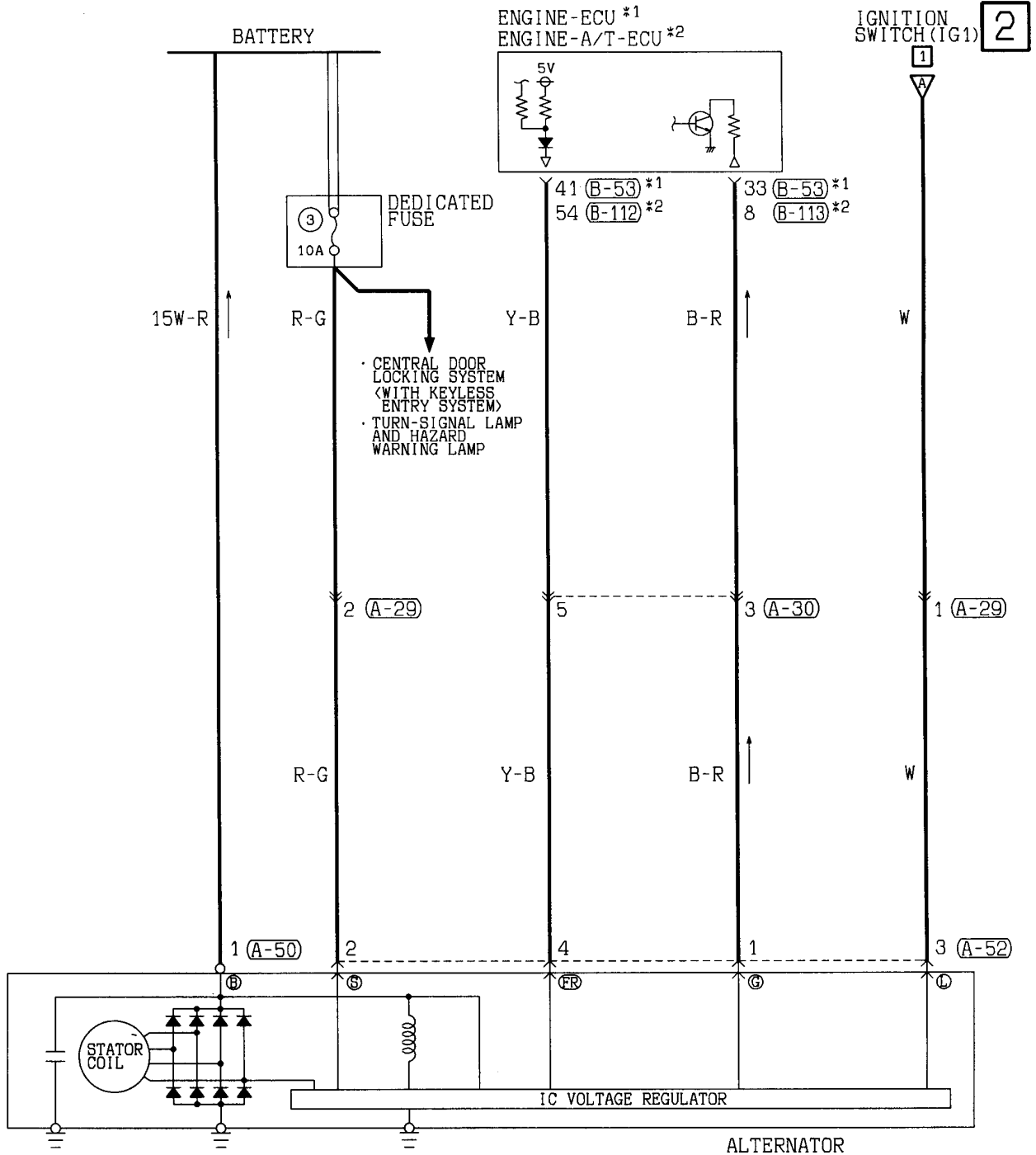
**IGNITION SYSTEM**  
**GDI**



CHARGING SYSTEM

1





(B-66)

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				38	
32	33	34		35		36	37					

(B-89)

1	2
3	4
5	6

(B-91)

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

(B-93)

1	2	3	4
5	6	7	8
9	10	11	

(B-94)

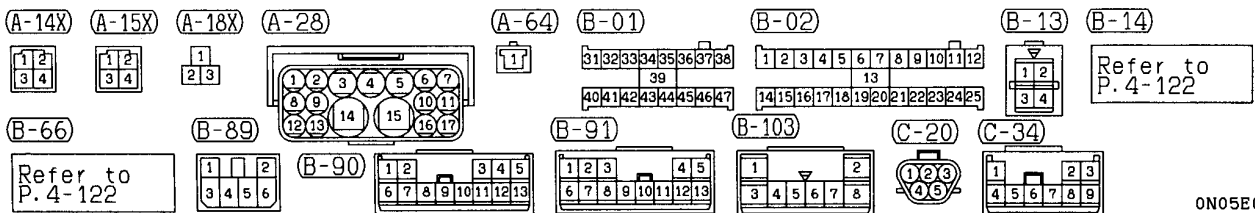
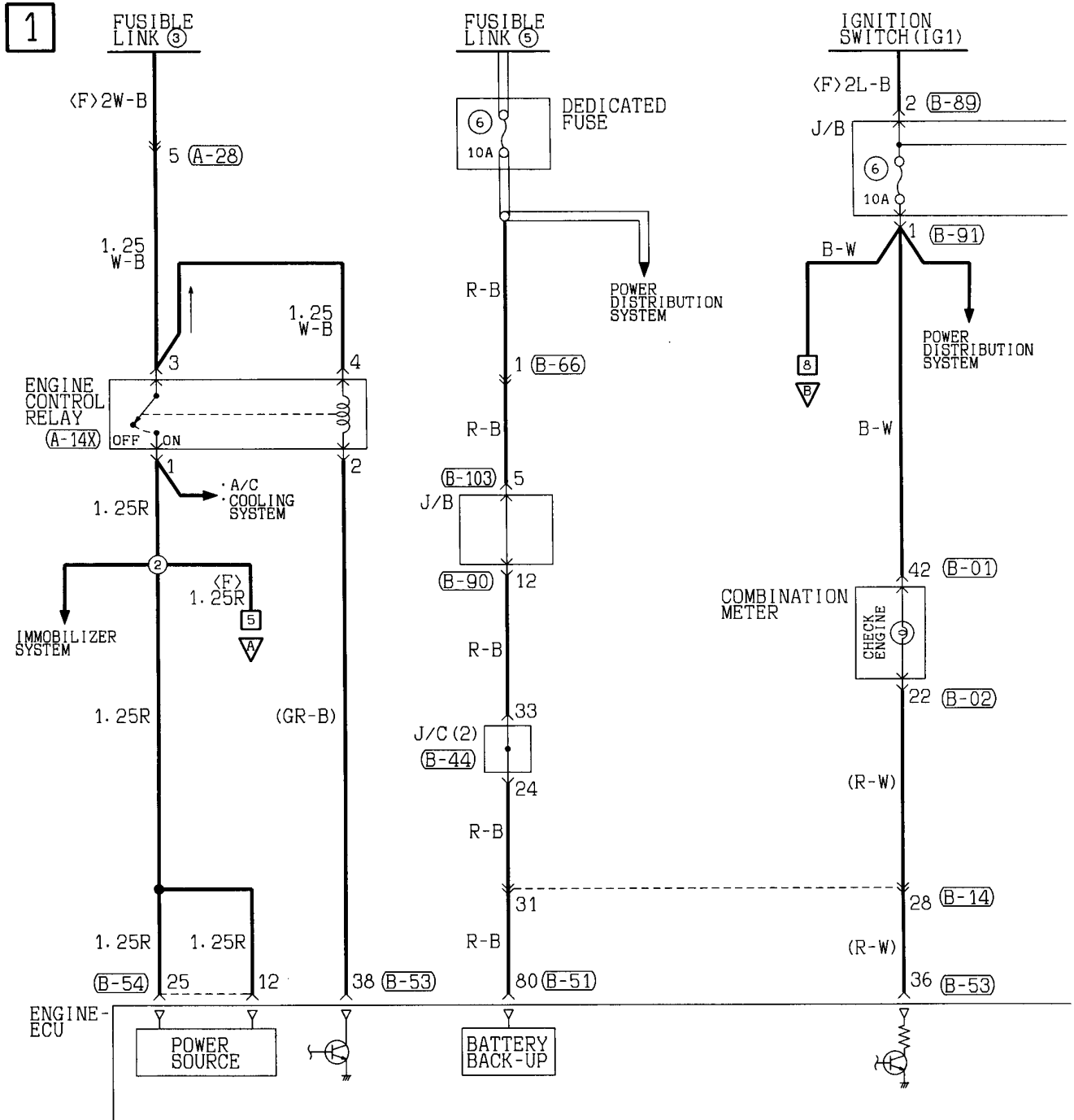
1	2
3	4

(B-112)

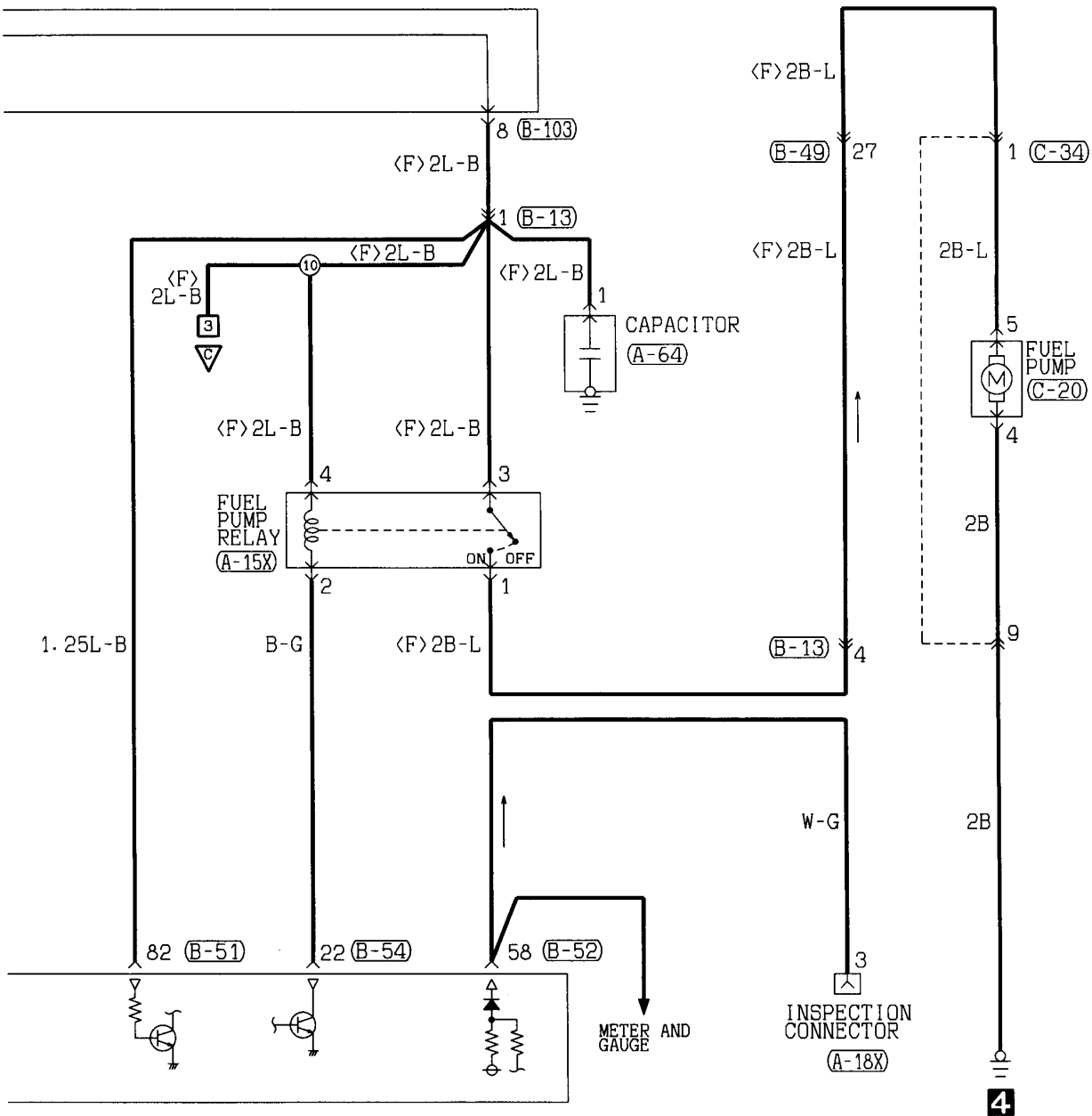
41	42	43			44	45	46
47	48	49	50	51	52	53	54
55	56	57					
58	59	60	61	62	63	64	65
66							

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

**ENGINE CONTROL SYSTEM**  
**4G63-MPI-M/T <L.H. drive vehicles>**



2



(B-44)

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

(B-49)

Refer to P. 4-122

(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

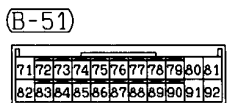
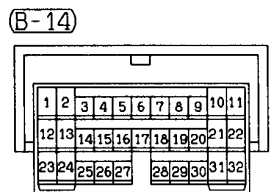
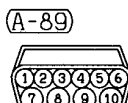
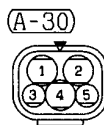
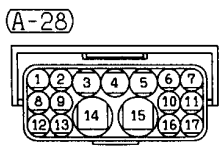
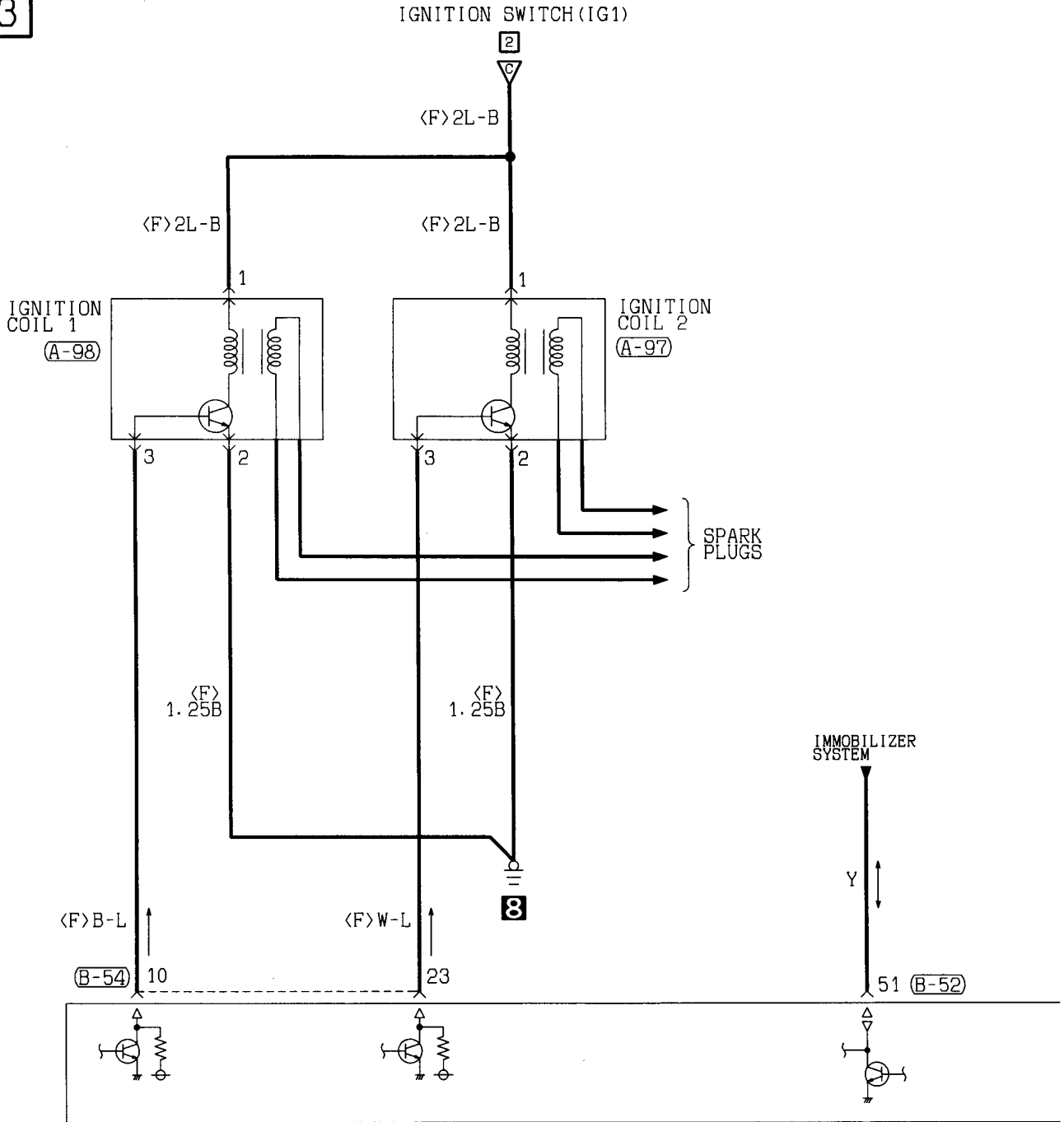
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14	15	16	17	18	19	20	21	22	23	24	25	26

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

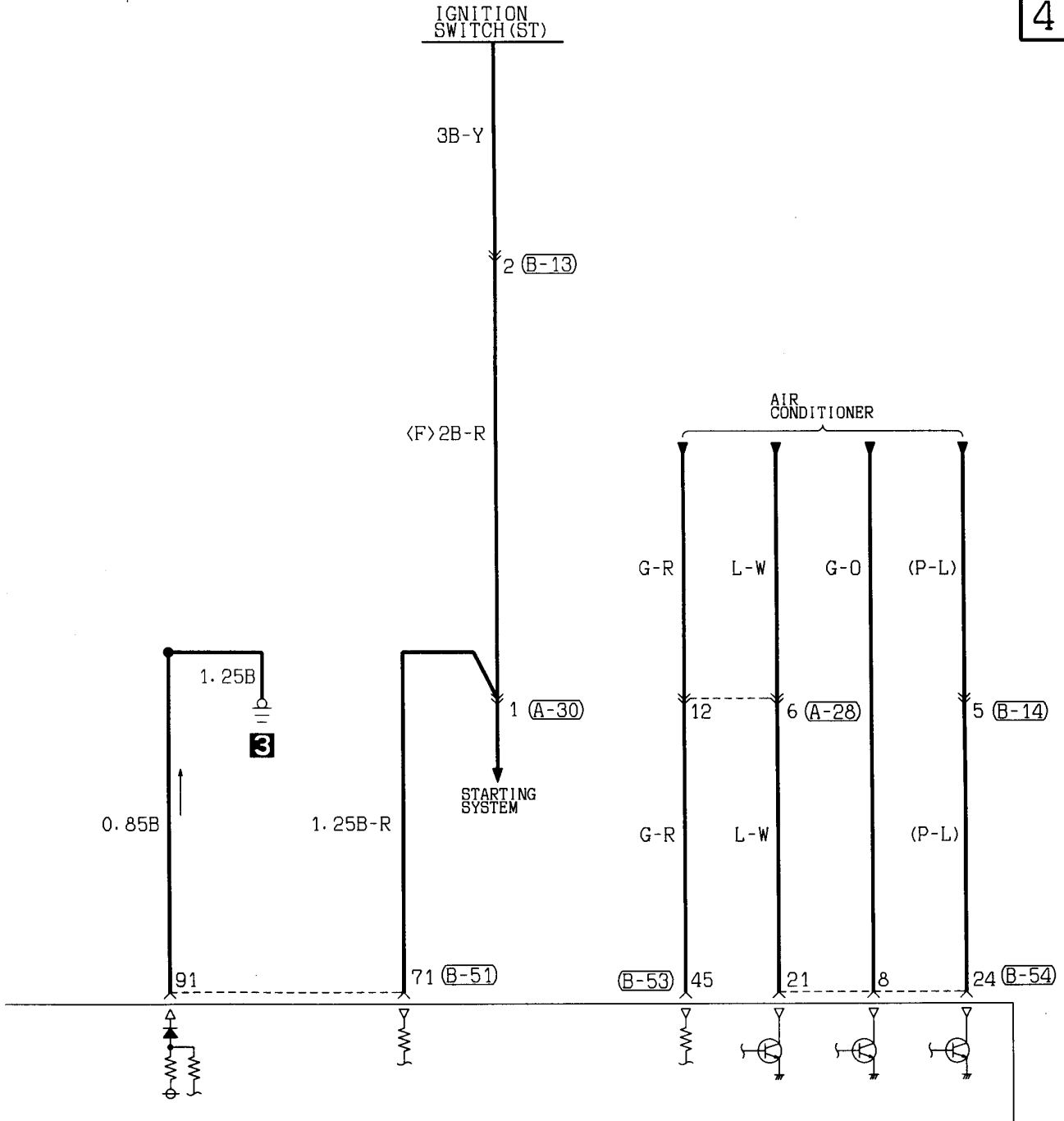
ENGINE CONTROL SYSTEM <4G63-MPI-M/T (L.H. drive vehicles)> (CONTINUED)

3





4



(B-52)

(B-53)

(B-54)

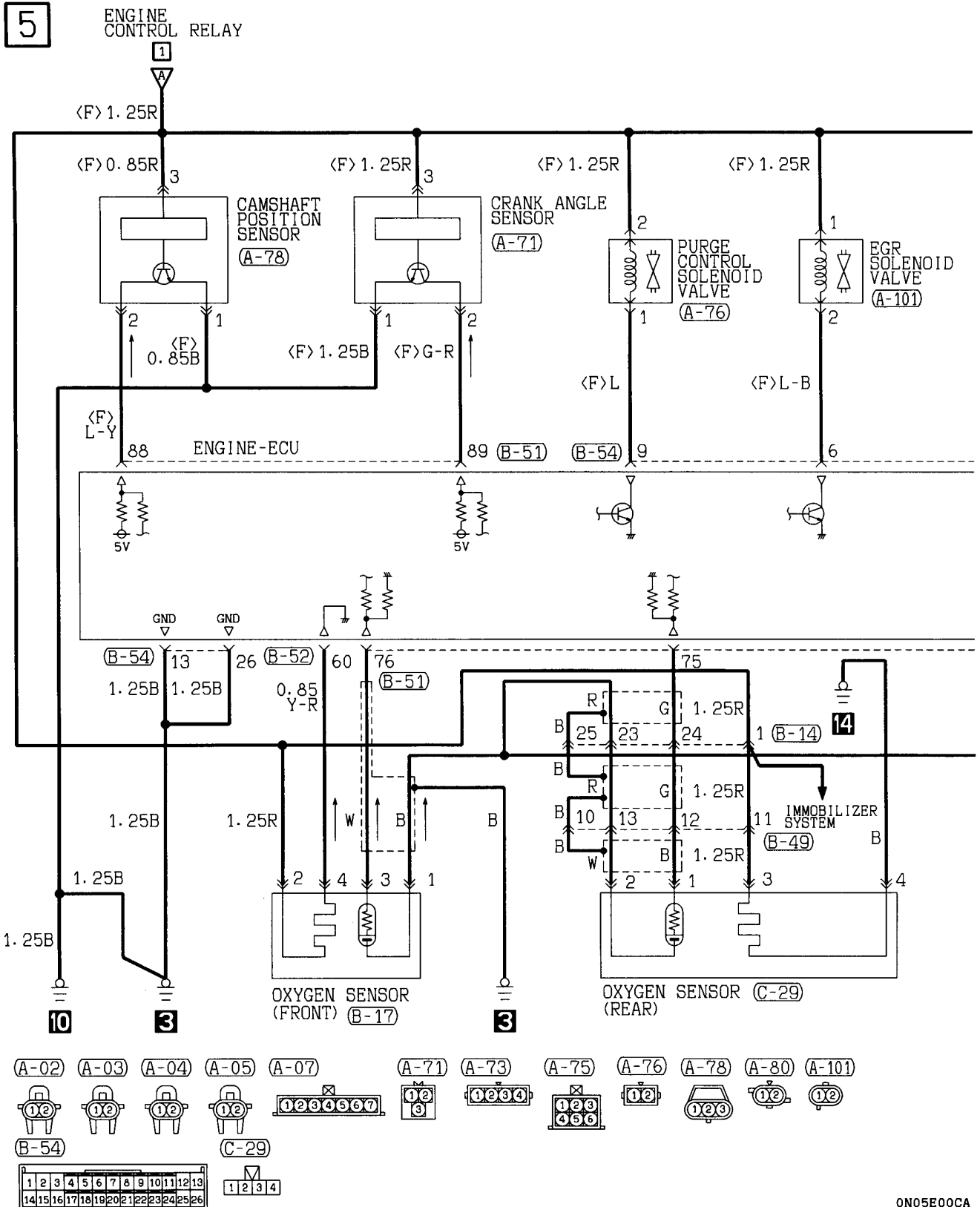
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57	58	59	60	61	62

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39	40	41	42	43	44	45	46

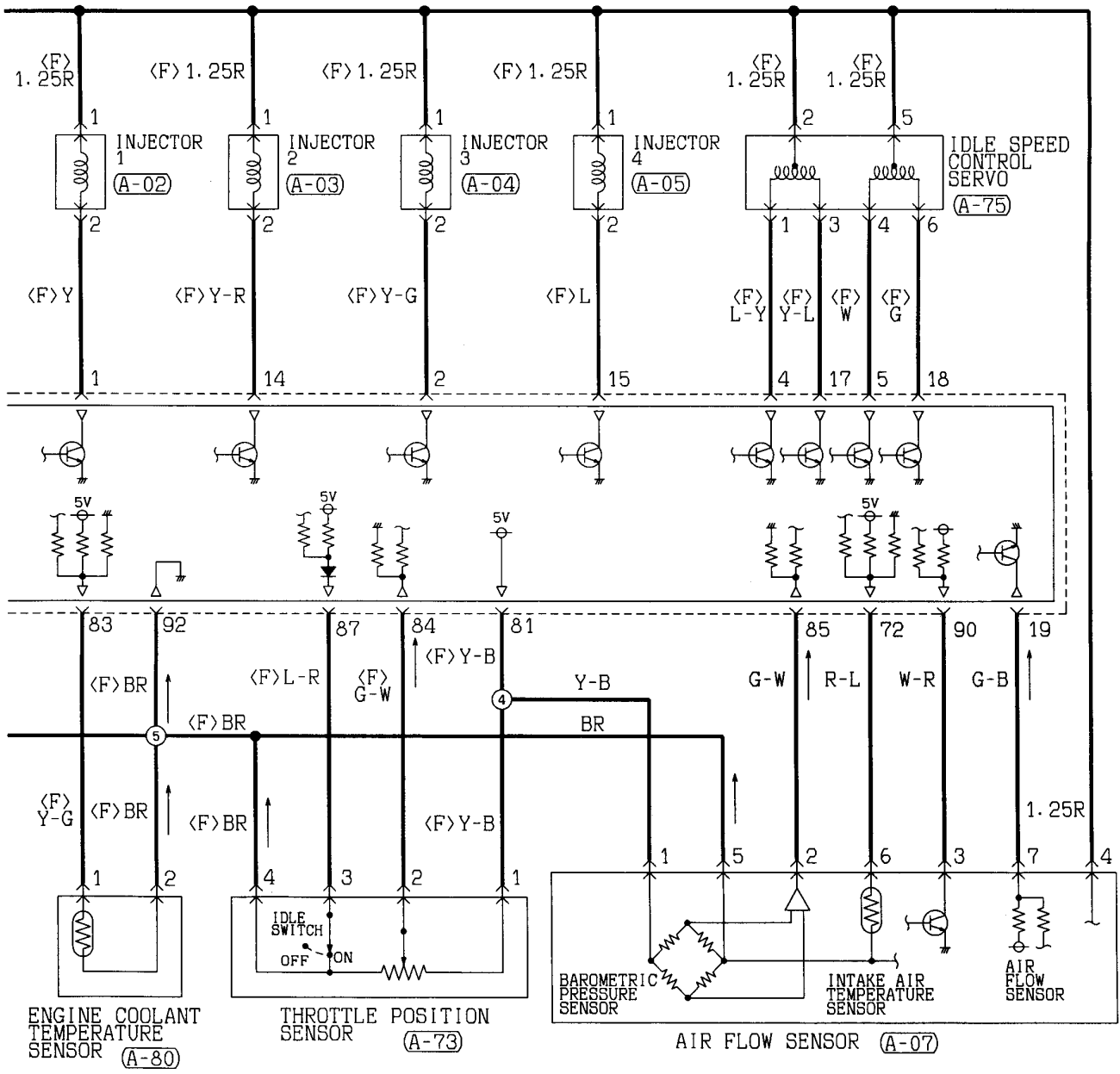
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Wire colour code  
 B : Black    LG:Light green    G :Green    L :Blue    W :White    Y :Yellow    SB:Sky blue  
 BR:Brown    O :Orange    GR:Gray    R :Red    P :Pink    V :Violet

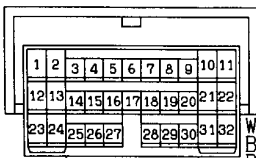
ENGINE CONTROL SYSTEM <4G63-MPI-M/T (L.H. drive vehicles)> (CONTINUED)



6



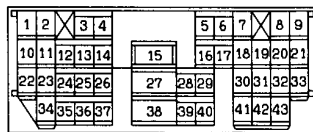
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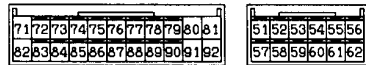
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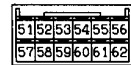
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(B-51)



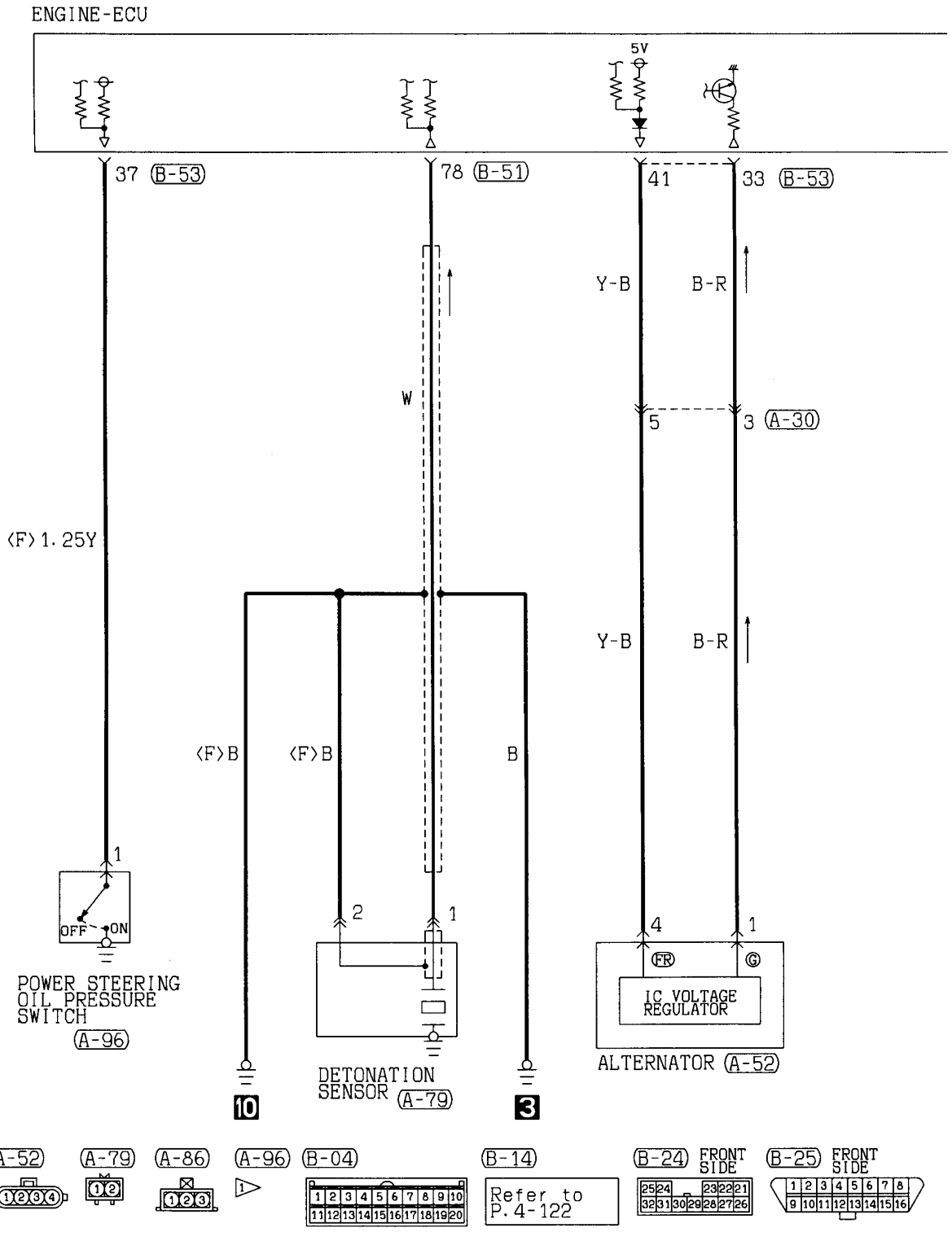
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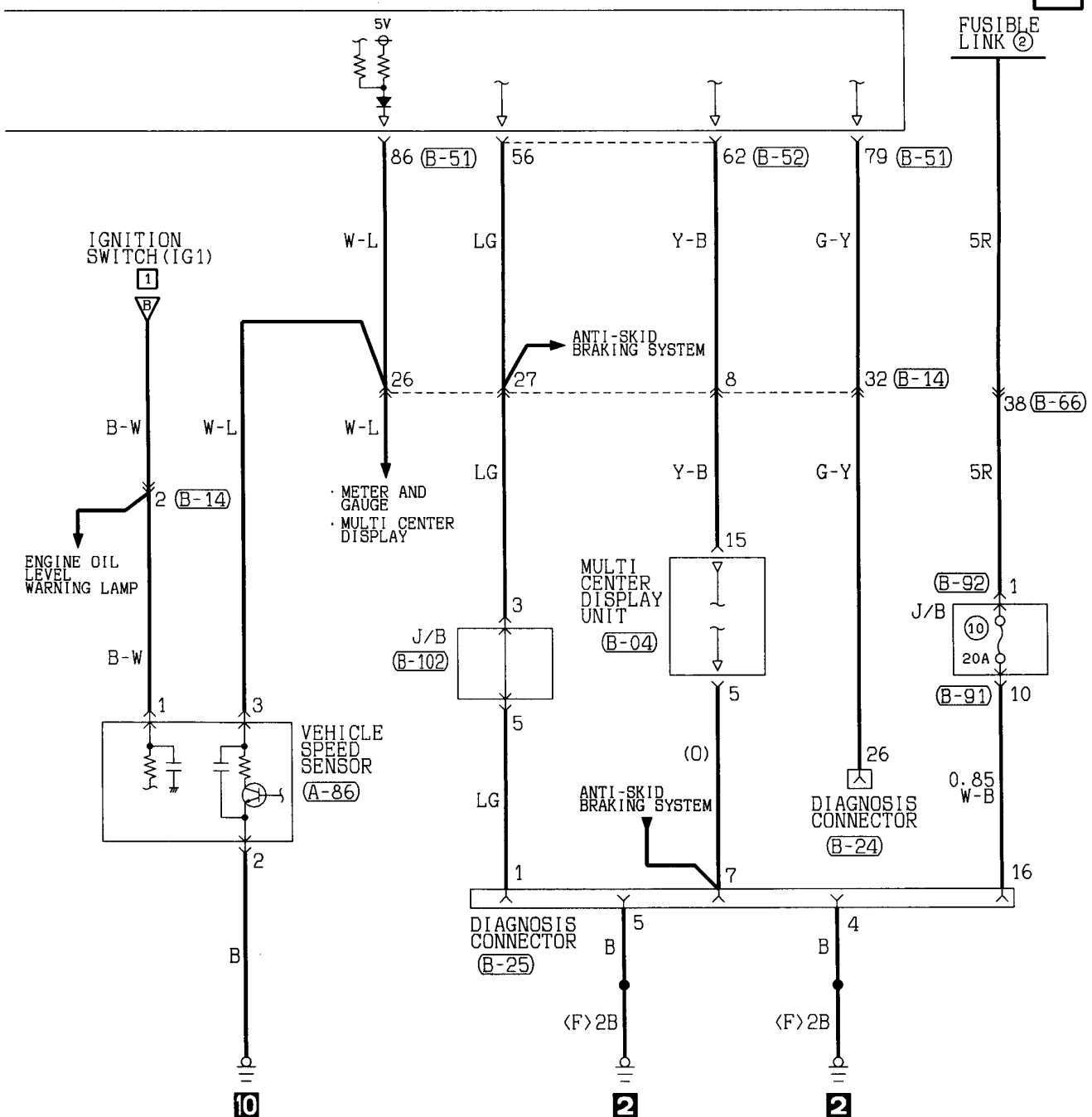
Wire colour code  
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 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet ON05E00CB

ENGINE CONTROL SYSTEM <4G63-MPI-M/T (L.H. drive vehicles)> (CONTINUED)

7



8

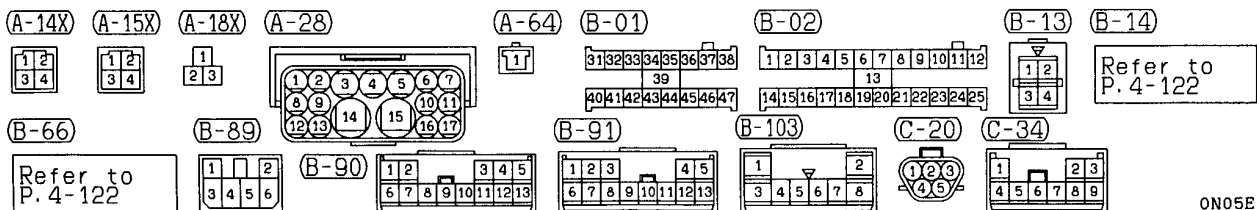
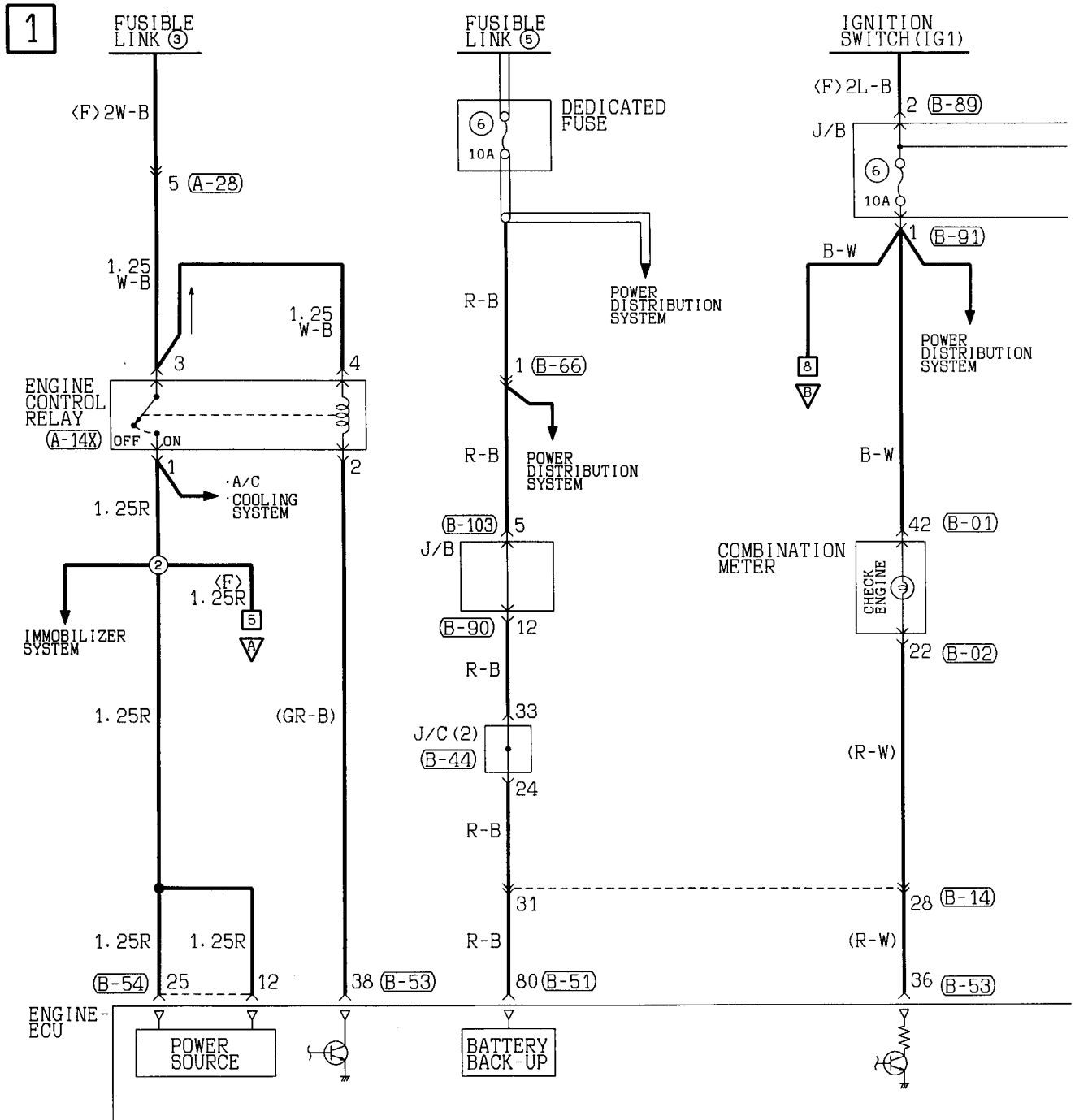


(B-51)	(B-52)	(B-53)	(B-66)	(B-91)	(B-92)	(B-102)
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	51 52 53 54 55 56 57 58 59 60 61 62	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Refer to P. 4-122	1 2 3 4 5 6 7 8 9 10 11 12 13	1	1 2 3 4 5 6 7 8 9 10

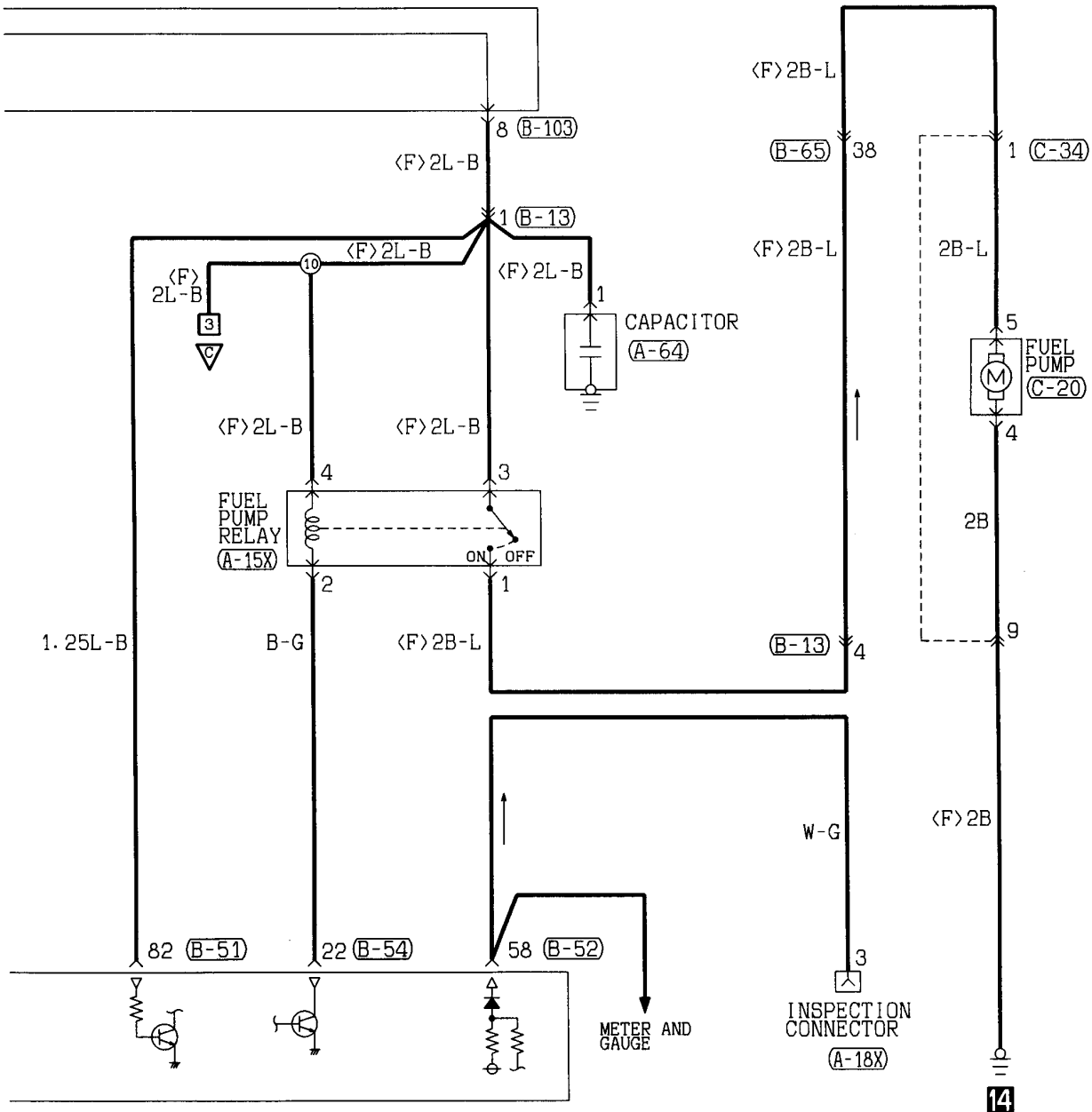
Wire colour code  
 B : Black    LG : Light green    G : Green    L : Blue    W : White    Y : Yellow    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

ENGINE CONTROL SYSTEM

4G63-MPI-M/T <R.H. drive vehicles>



2



(B-44)

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

(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

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-65)

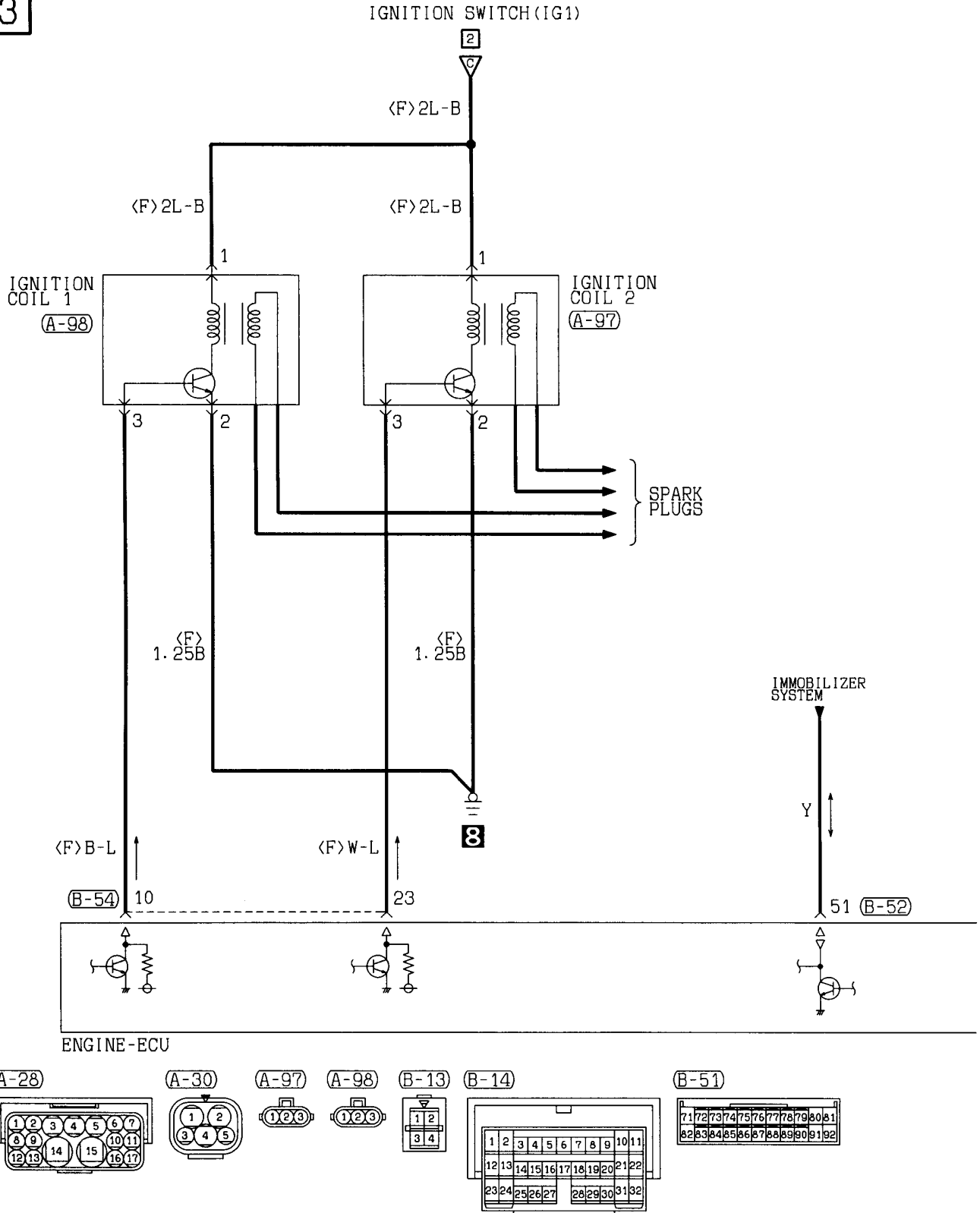
Refer to P. 4-122

Wire colour code

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

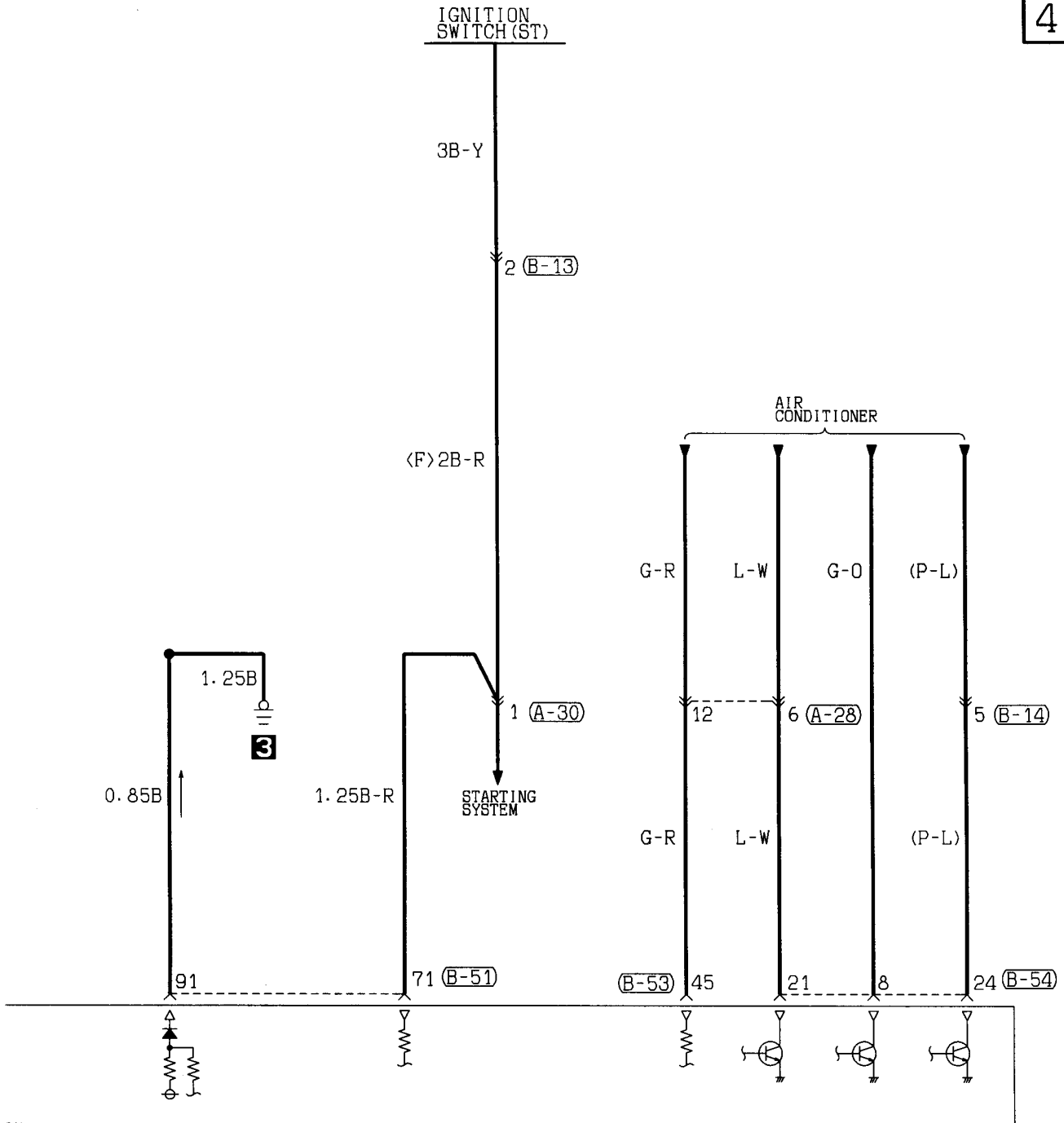
ENGINE CONTROL SYSTEM <4G63-MPI-M/T (R.H. drive vehicles)> (CONTINUED)

3





4



(B-52)

(B-53)

(B-54)

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

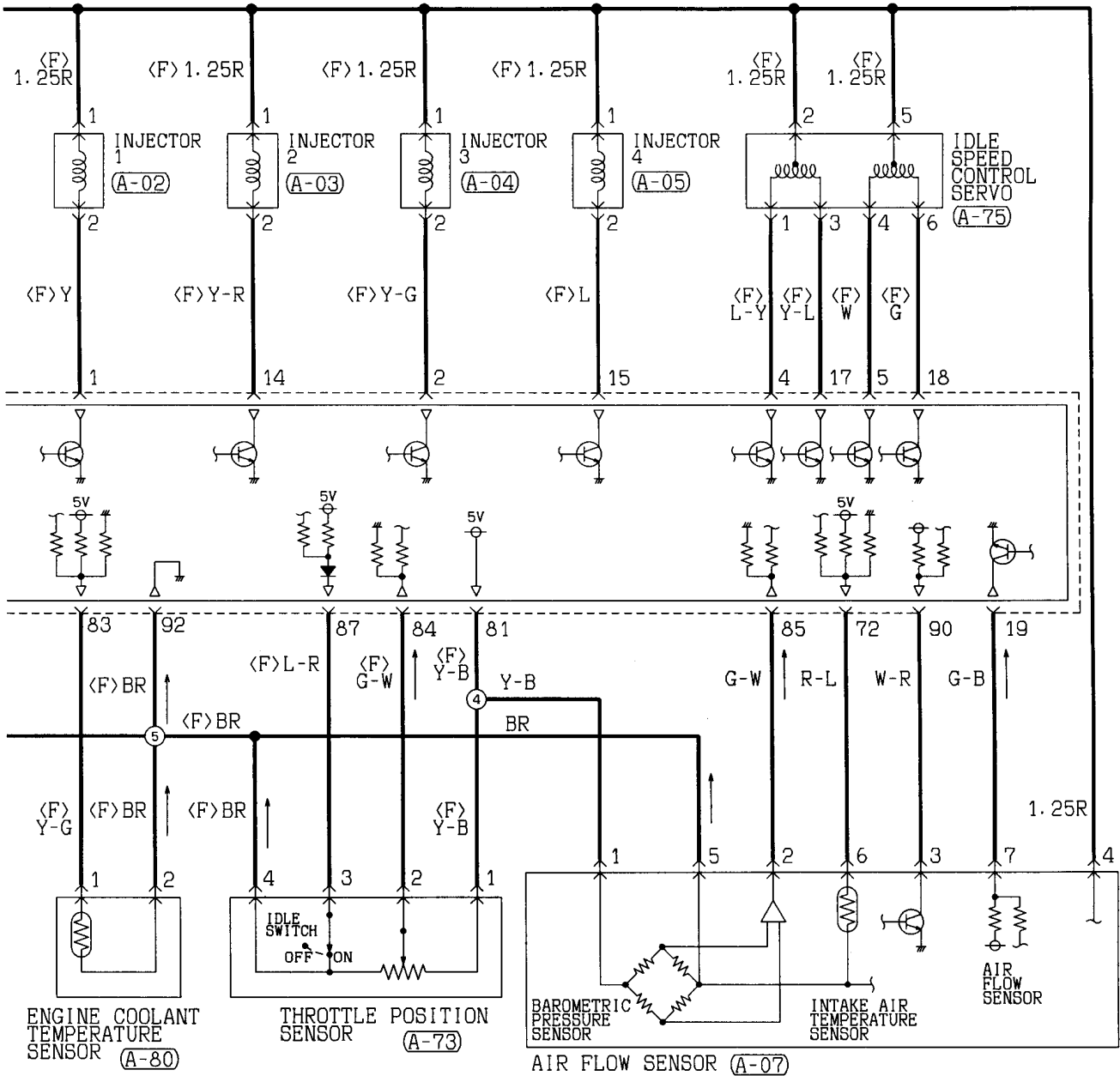
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39	40	41	42	43	44	45	46

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

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



6



(B-14)

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

(B-17)

1	2
3	4

(B-51)

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

(B-52)

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

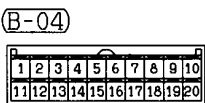
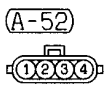
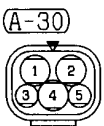
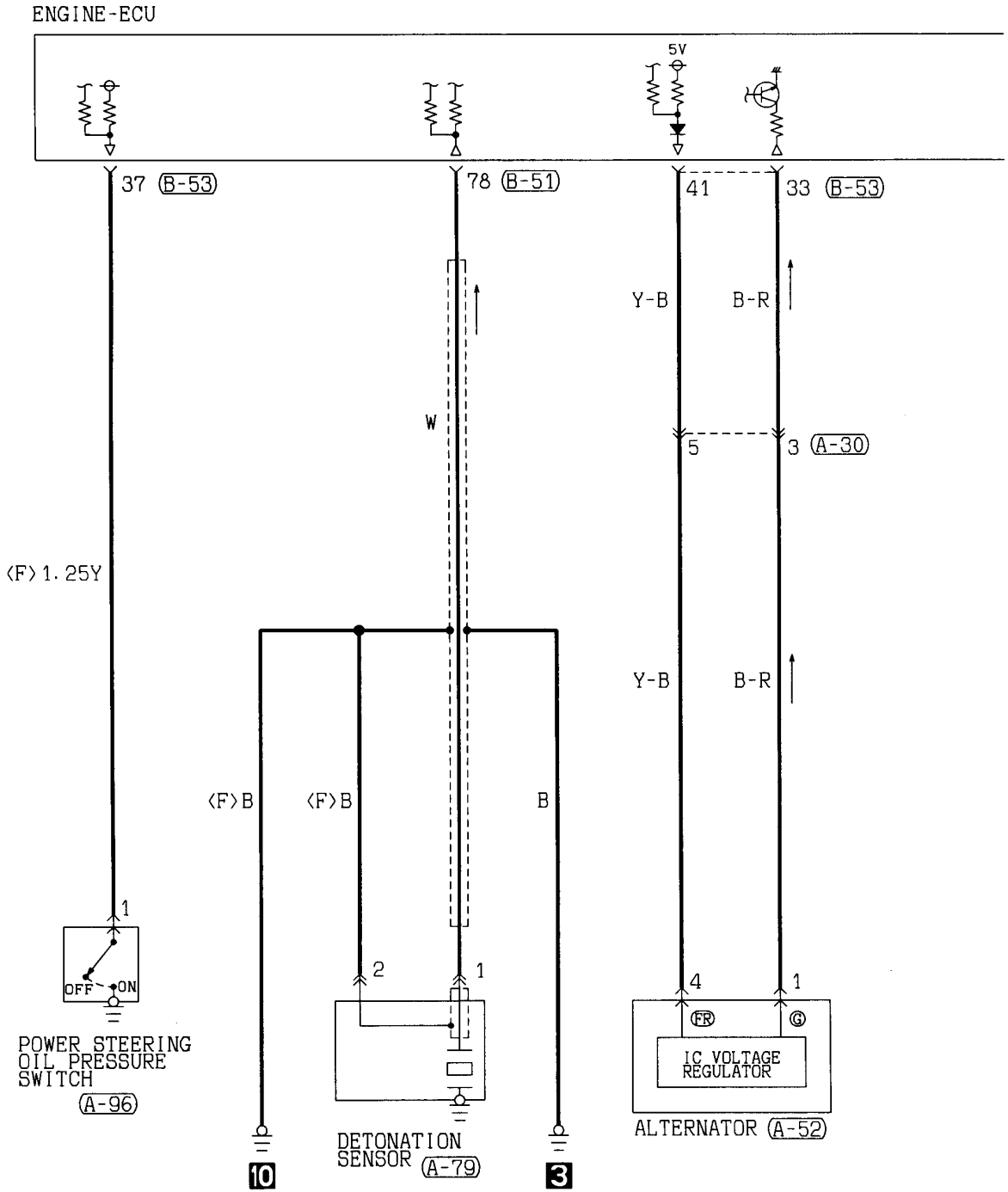
(B-54)

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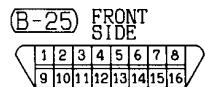
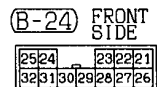
Wire colour code  
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 BR : Brown      O : Orange      GR : Gray      R : Red  
 W : White      SB : Sky blue      P : Pink      Y : Yellow  
 V : Violet

ENGINE CONTROL SYSTEM <4G63-MPI-M/T (R.H. drive vehicles)> (CONTINUED)

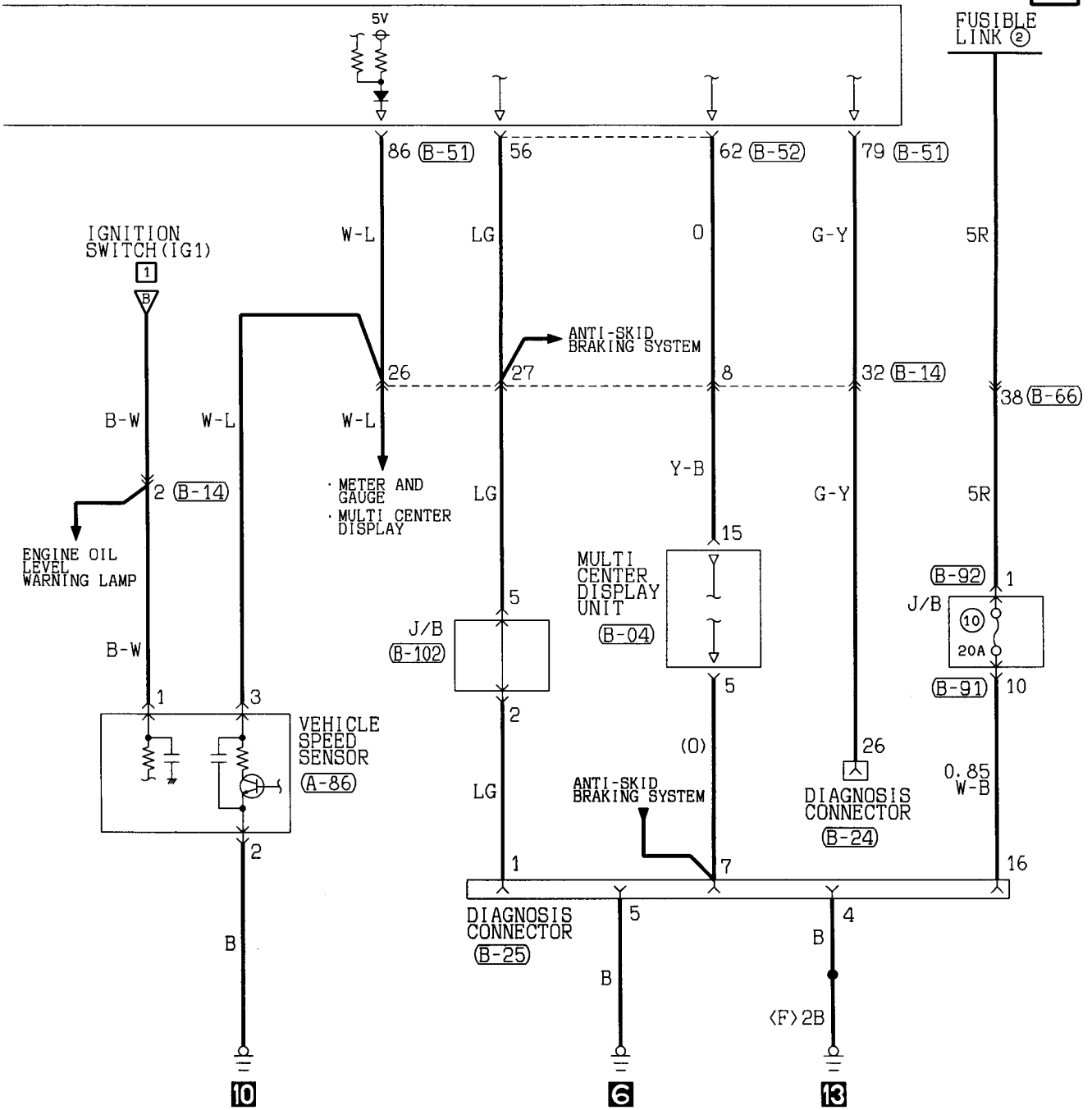
7



Refer to P. 4-122



8



(B-51)

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

(B-52)

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

(B-53)

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

(B-66)

Refer to P. 4-122

(B-91)

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

(B-92)

1
---

(B-102)

1	2	3	4	5
6	7	8	9	10

Wire colour code

B : Black LG: Light green

G : Green

L : Blue

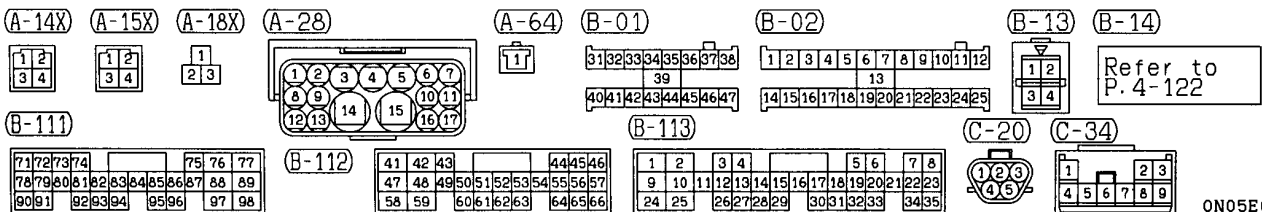
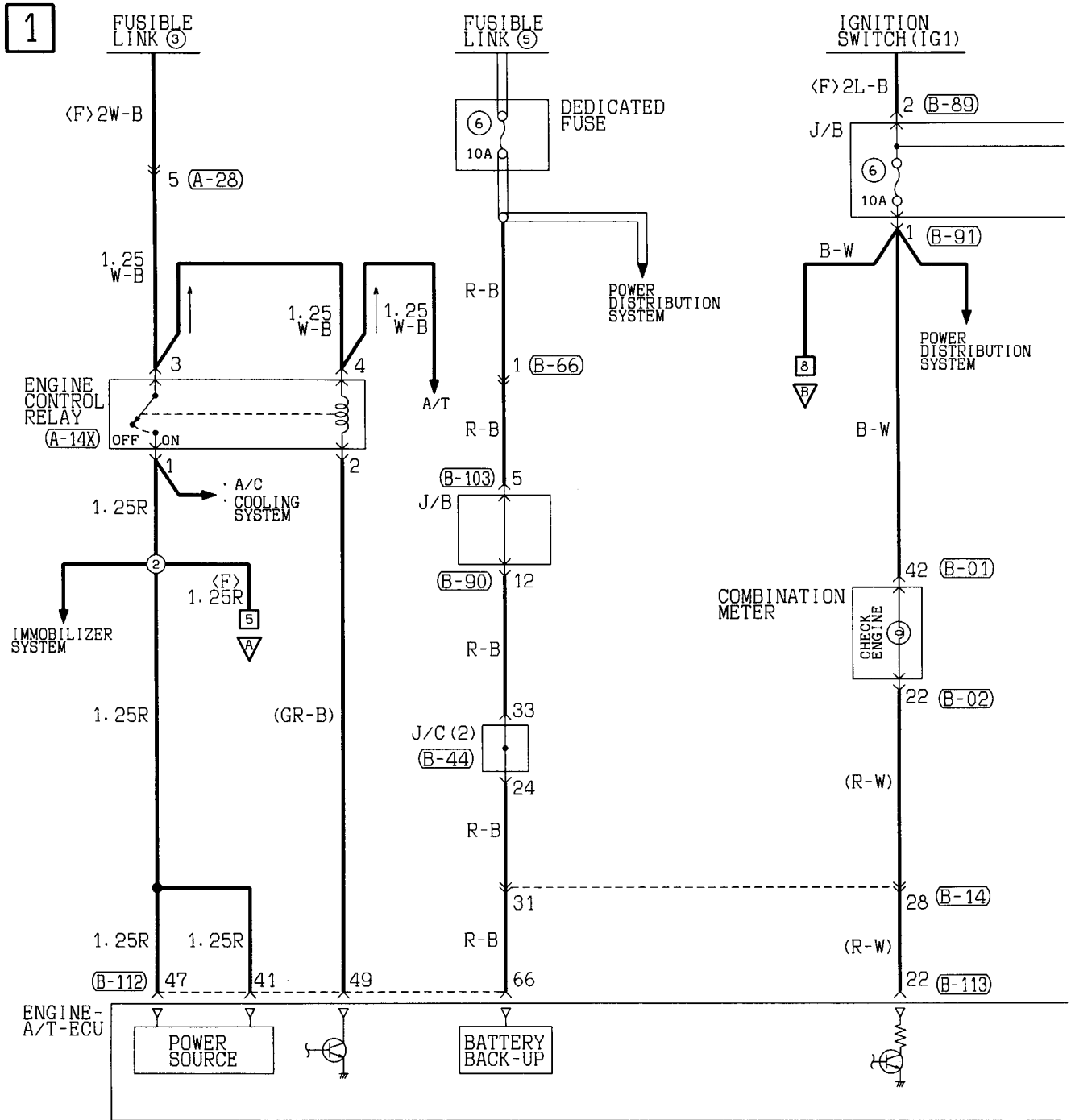
W : White

Y : Yellow

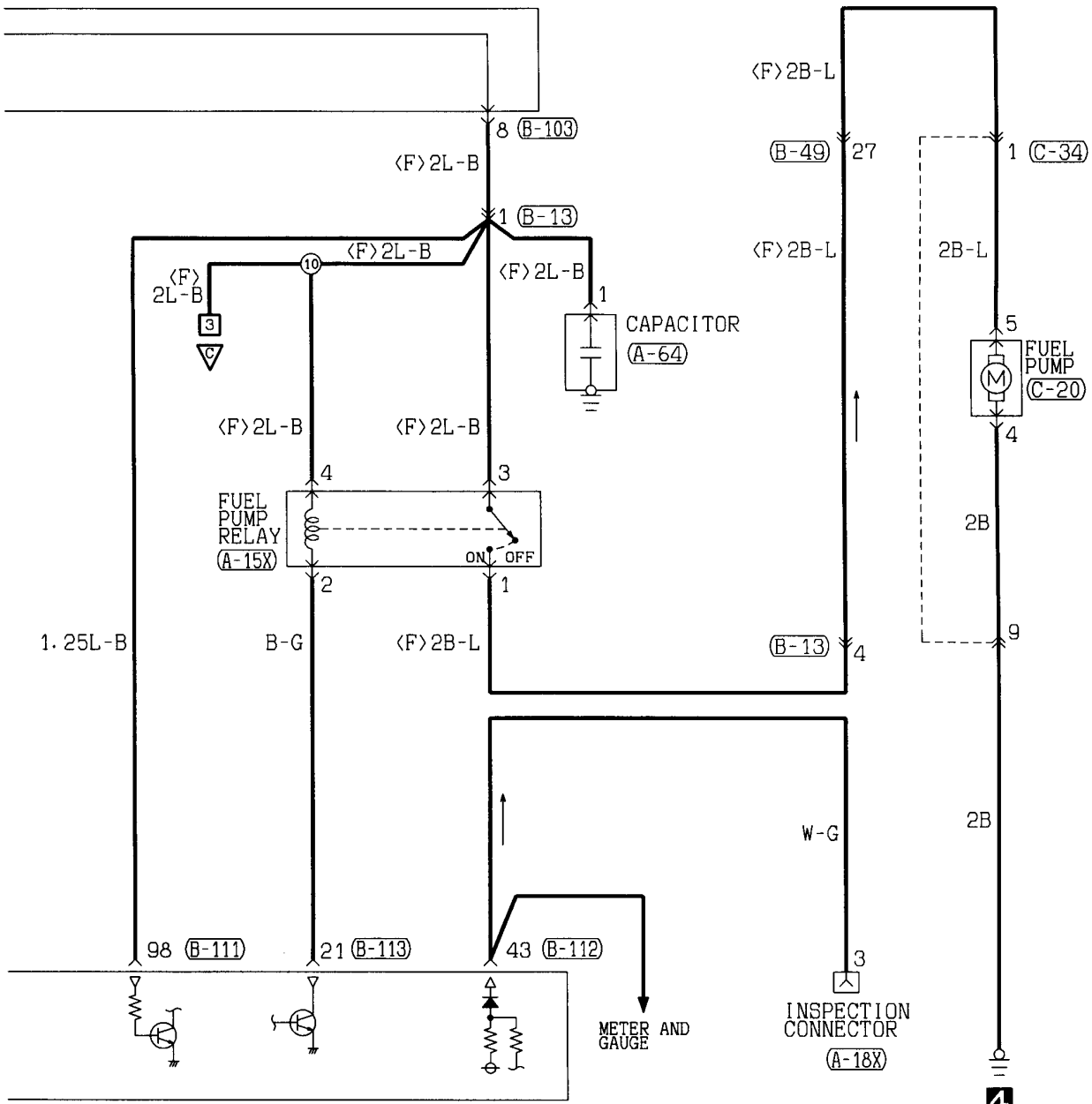
SB: Sky blue

ENGINE CONTROL SYSTEM

4G63-MPI-A/T <L.H. drive vehicles>



2

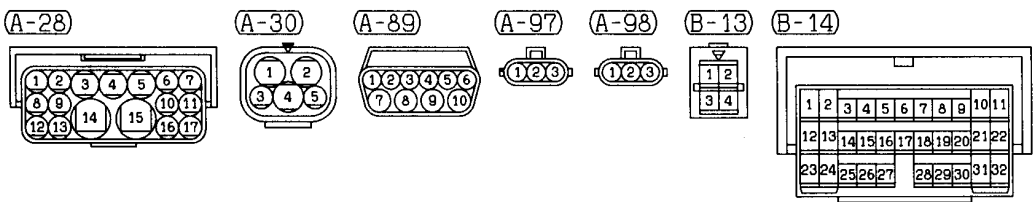
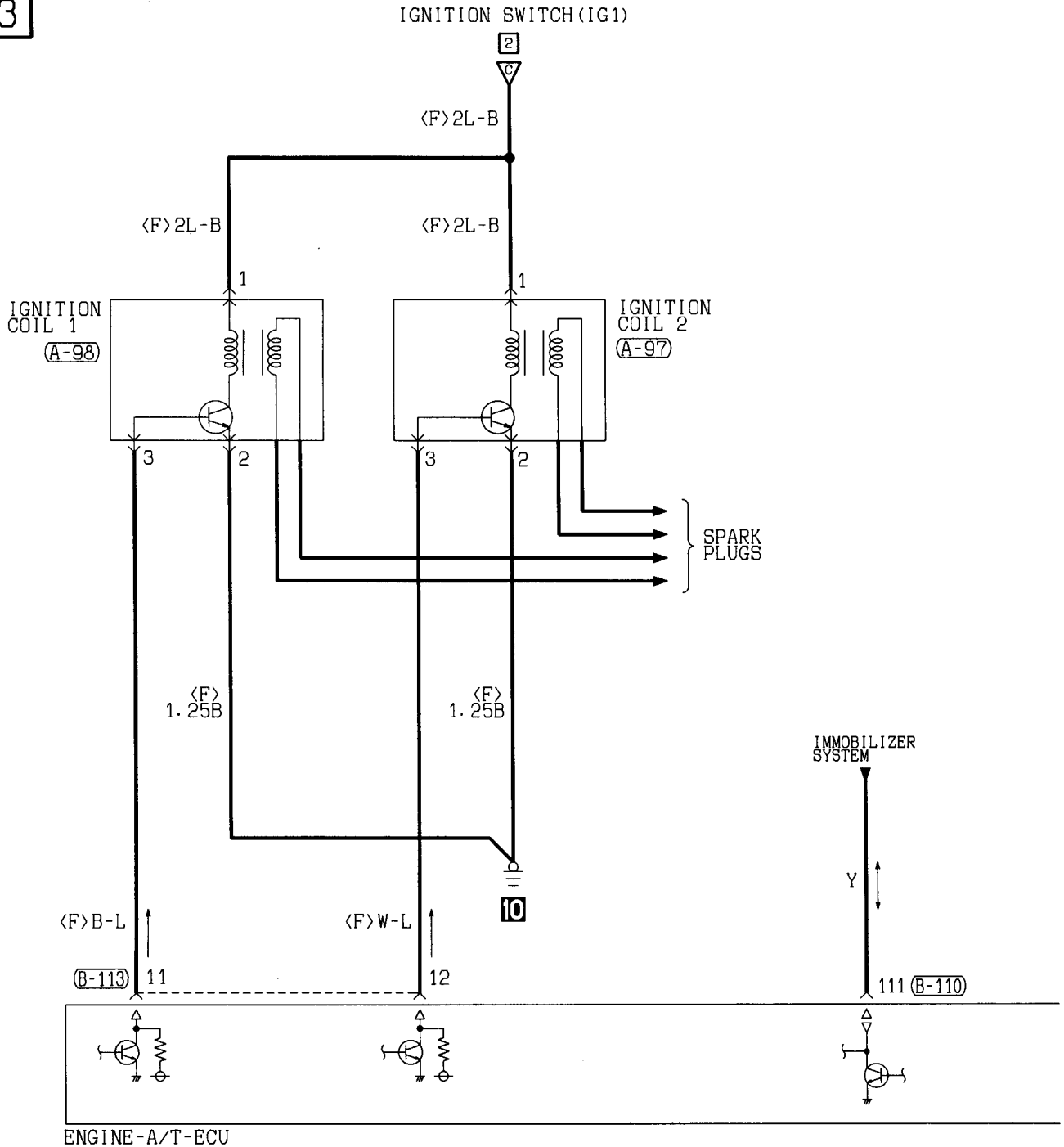


(B-44)	(B-49)	(B-66)	(B-89)	(B-90)	(B-91)	(B-103)																																																																													
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Wire colour code  
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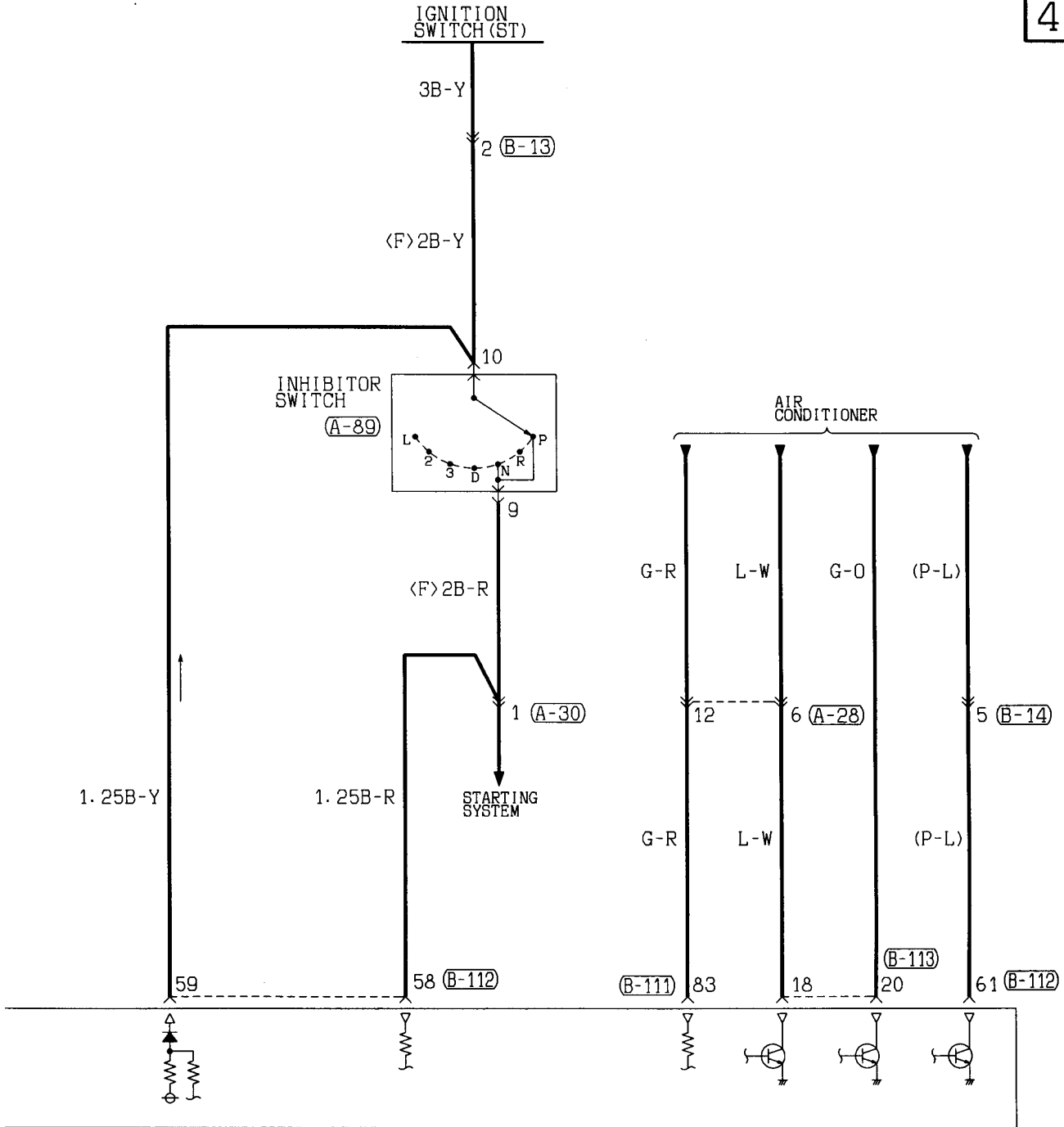
ENGINE CONTROL SYSTEM <4G63-MPI-A/T (L.H. drive vehicles)> (CONTINUED)

3





4



(B-110)

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-111)

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-112)

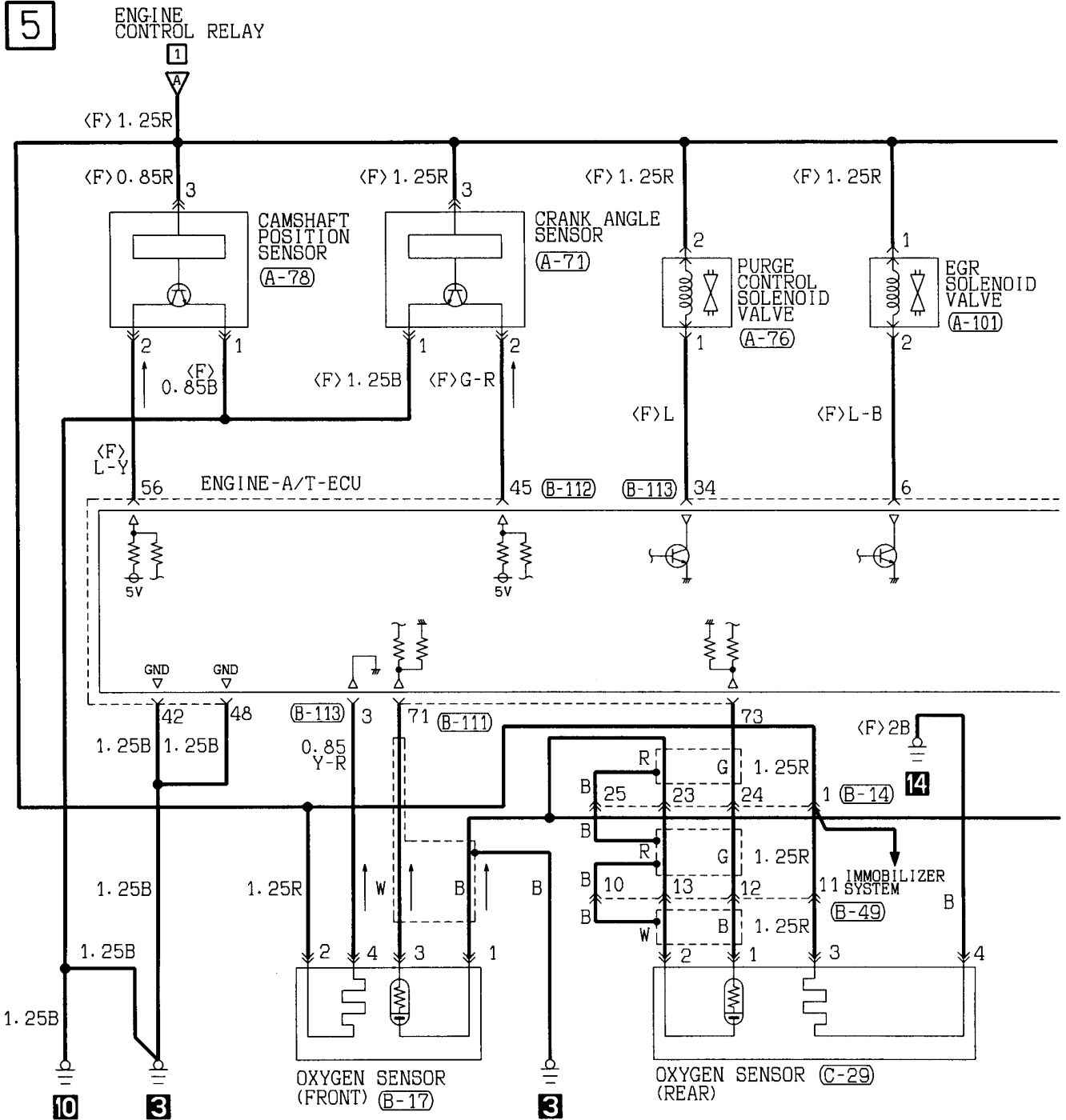
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47	48	49	50	51	52
53	54	55	56	57	
58	59	60	61	62	63
64	65	66			

(B-113)

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				

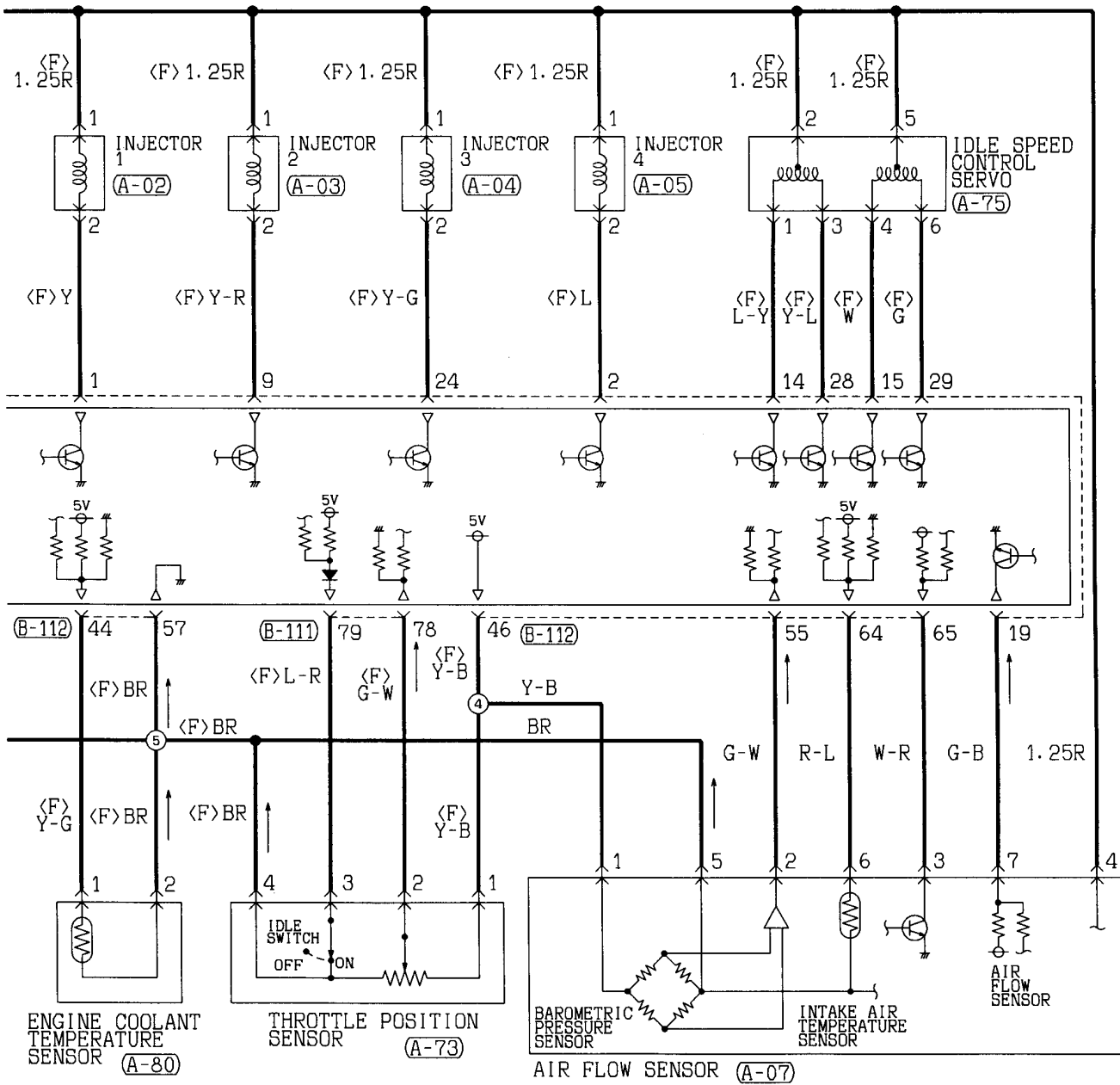
Wire colour code  
 B : Black    LG : Light green    G : Green    L : Blue    W : White    Y : Yellow    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

ENGINE CONTROL SYSTEM <4G63-MPI-A/T (L.H. drive vehicles)> (CONTINUED)



(A-02)	(A-03)	(A-04)	(A-05)	(A-07)	(A-71)	(A-73)	(A-75)	(A-76)	(A-78)	(A-80)	(A-101)																																																																														
(B-112)	(B-113)			(C-29)																																																																																					
<table border="1"><tr><td>41</td><td>42</td><td>43</td><td></td><td>44</td><td>45</td><td>46</td></tr><tr><td>47</td><td>48</td><td>49</td><td>50</td><td>51</td><td>52</td><td>53</td></tr><tr><td>54</td><td>55</td><td>56</td><td>57</td><td></td><td></td><td></td></tr><tr><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td><td>63</td><td>64</td></tr><tr><td>65</td><td>66</td><td></td><td></td><td></td><td></td><td></td></tr></table>	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						<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr><tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td></td></tr><tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr><tr><td>32</td><td>33</td><td>34</td><td>35</td><td></td><td></td><td></td><td></td></tr></table>	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					<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4								
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32	33	34	35																																																																																						
1	2	3	4																																																																																						

6



(B-14)

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

(B-17) (B-49)

1	2
3	4

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

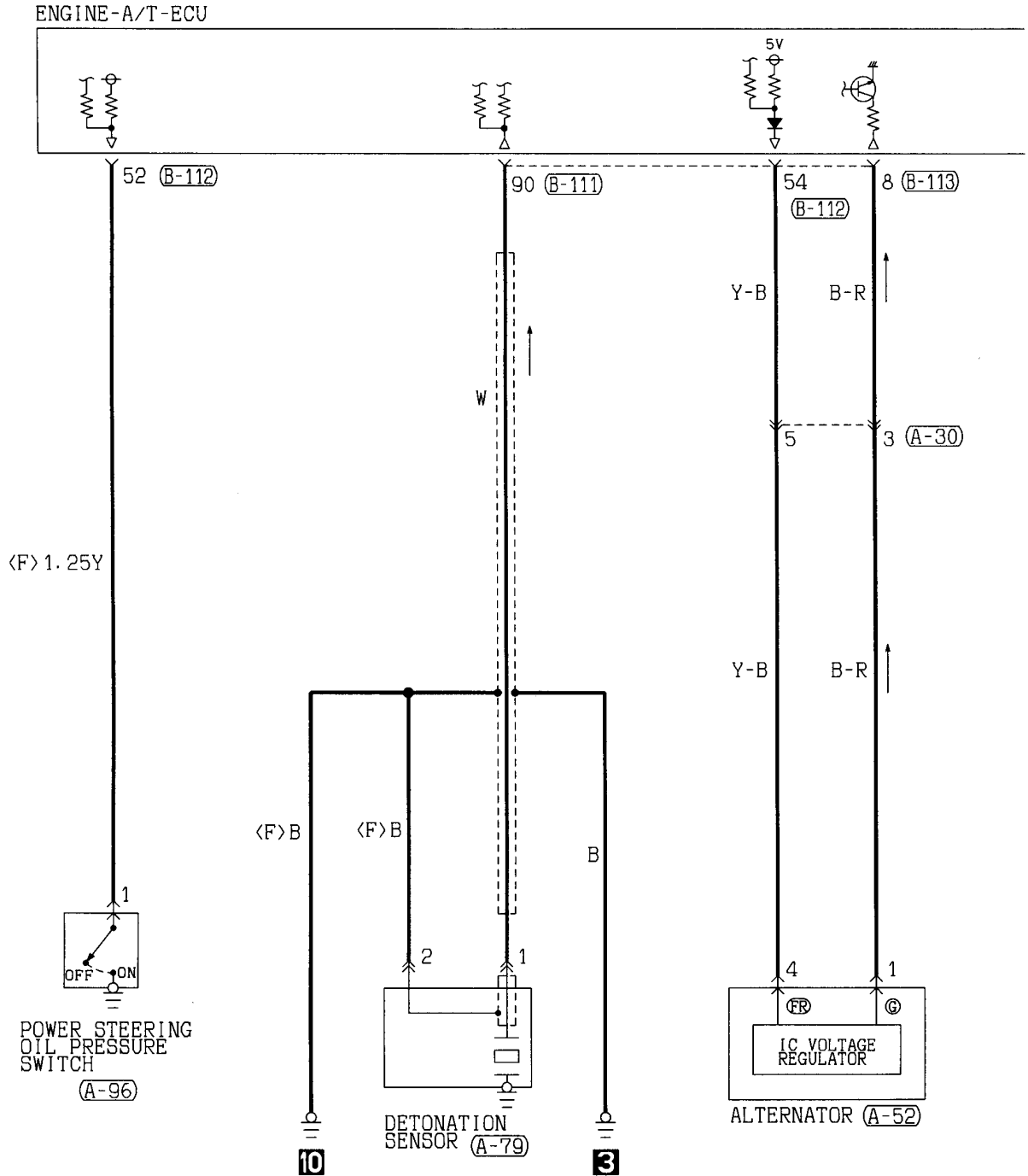
(B-111)

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    ON05E02CB

ENGINE CONTROL SYSTEM <4G63-MPI-A/T (L.H. drive vehicles)> (CONTINUED)

7



(A-30)

(A-52)

(A-79)

(A-81)

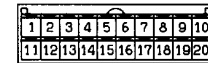
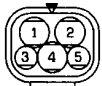
(A-85)

(A-96)

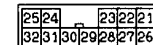
(B-04)

(B-14)

(B-24) FRONT SIDE



Refer to P. 4-122



(B-112)

(B-113)

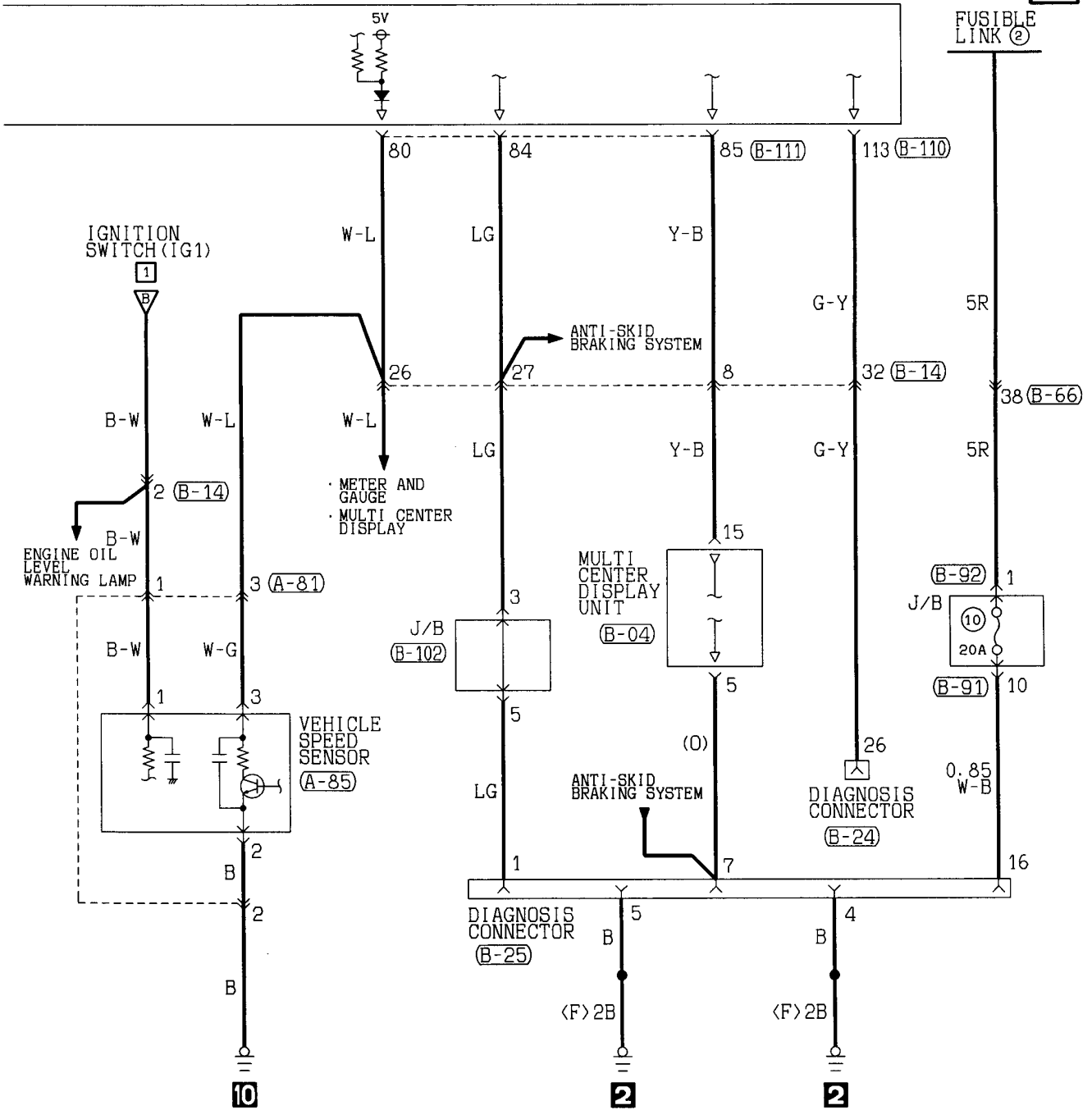
(B-111)

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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		

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			

8



(B-25) FRONT SIDE

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

(B-66) Refer to P. 4-122

(B-91)

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

(B-92)

1
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(B-102)

1	2	3	4	5
6	7	8	9	10

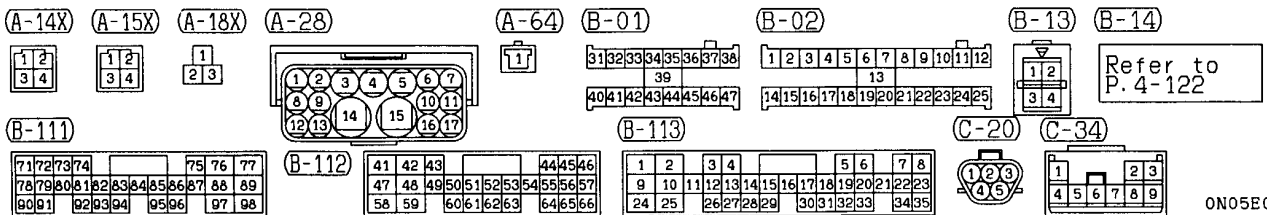
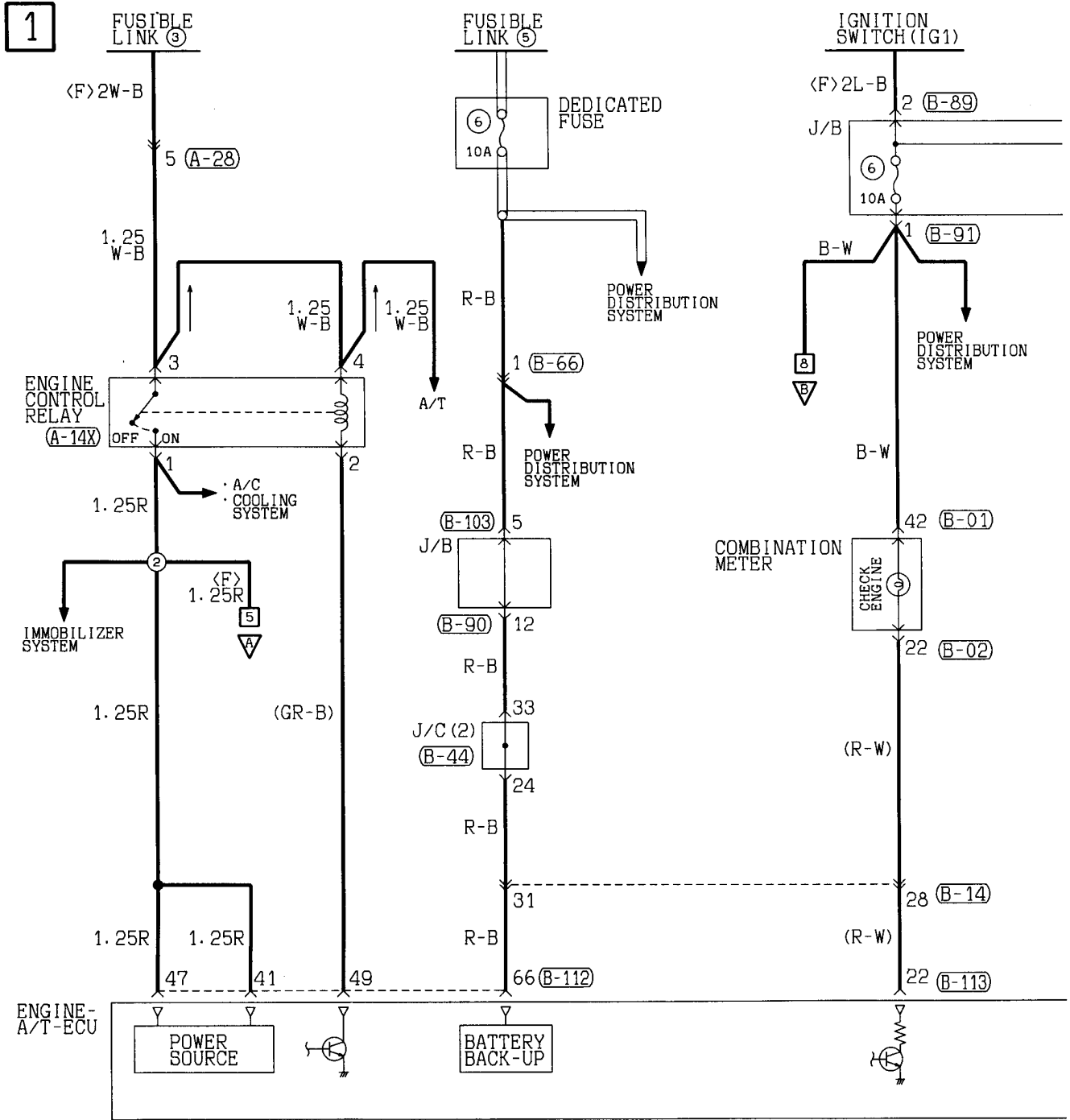
(B-110)

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116	117	118	119	120			
121	122	123	124	125	126	127	128
129	130						

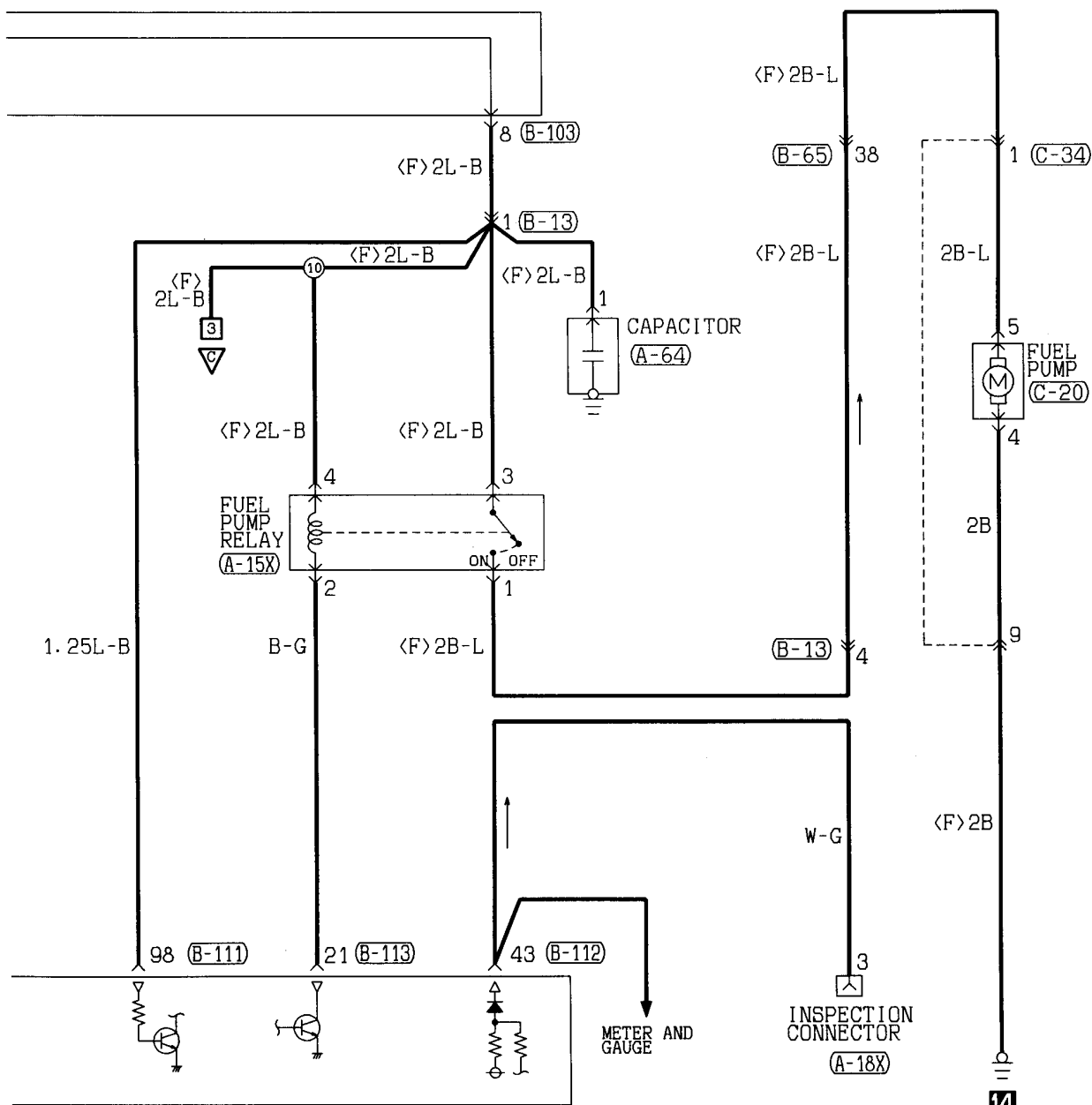
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 BR: Brown    O : Orange    GR: Gray    R : Red    P : Pink    V : Violet

ENGINE CONTROL SYSTEM

4G63-MPI-A/T <R.H. drive vehicles>



2



(B-44)

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

(B-65)

Refer to P. 4-122

(B-66)

Refer to P. 4-122

(B-89)

1	2
3	4
5	6

(B-90)

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

(B-91)

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

(B-103)

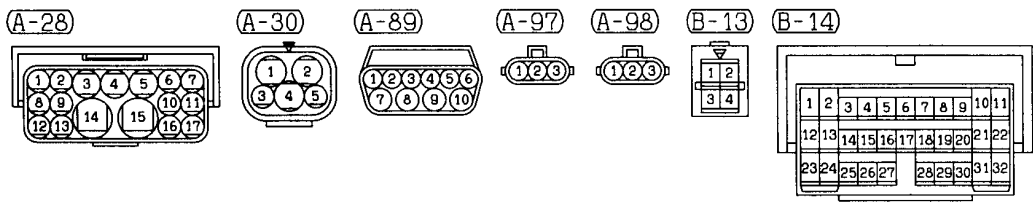
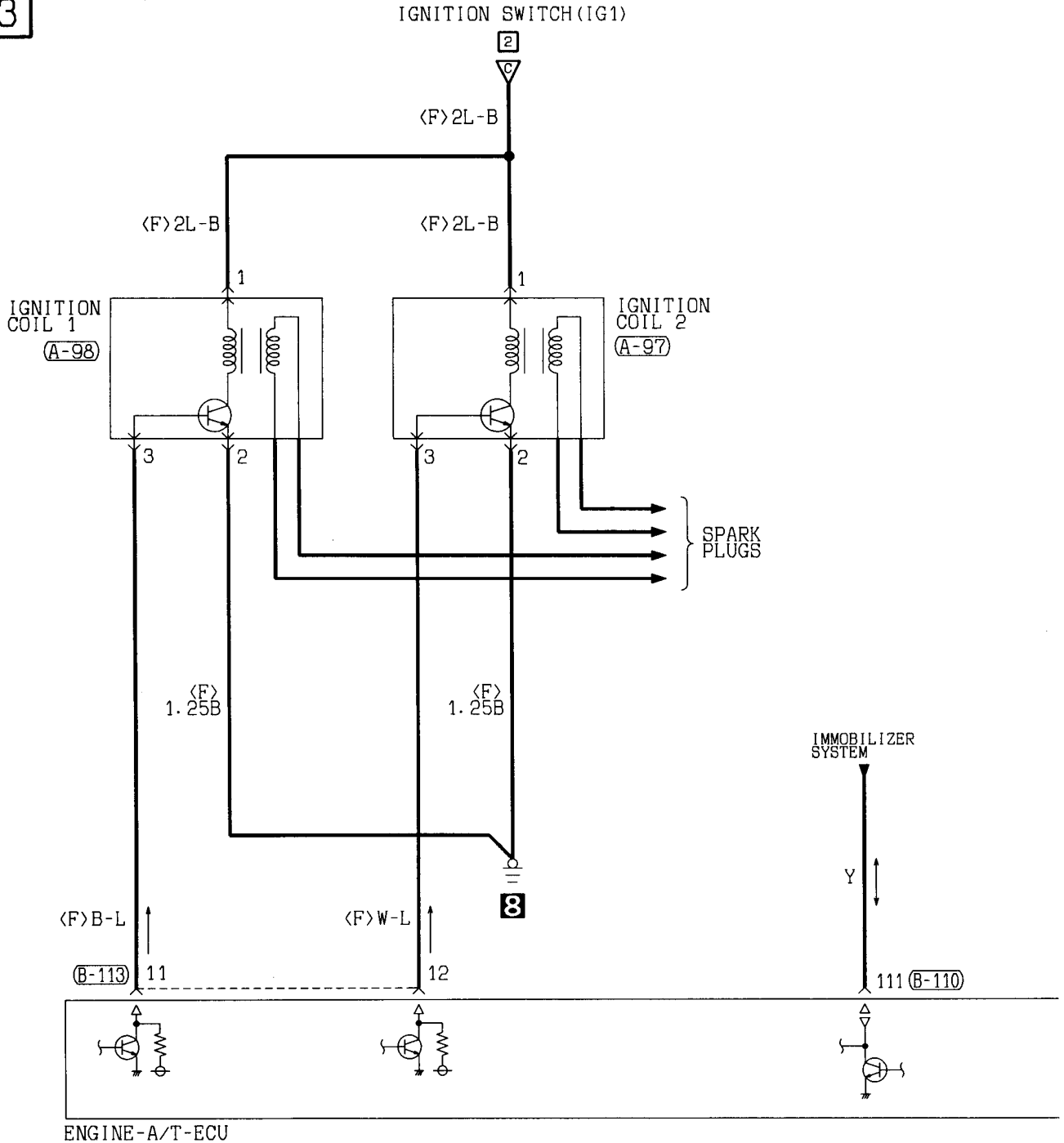
1	2
3	4
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Wire colour code

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

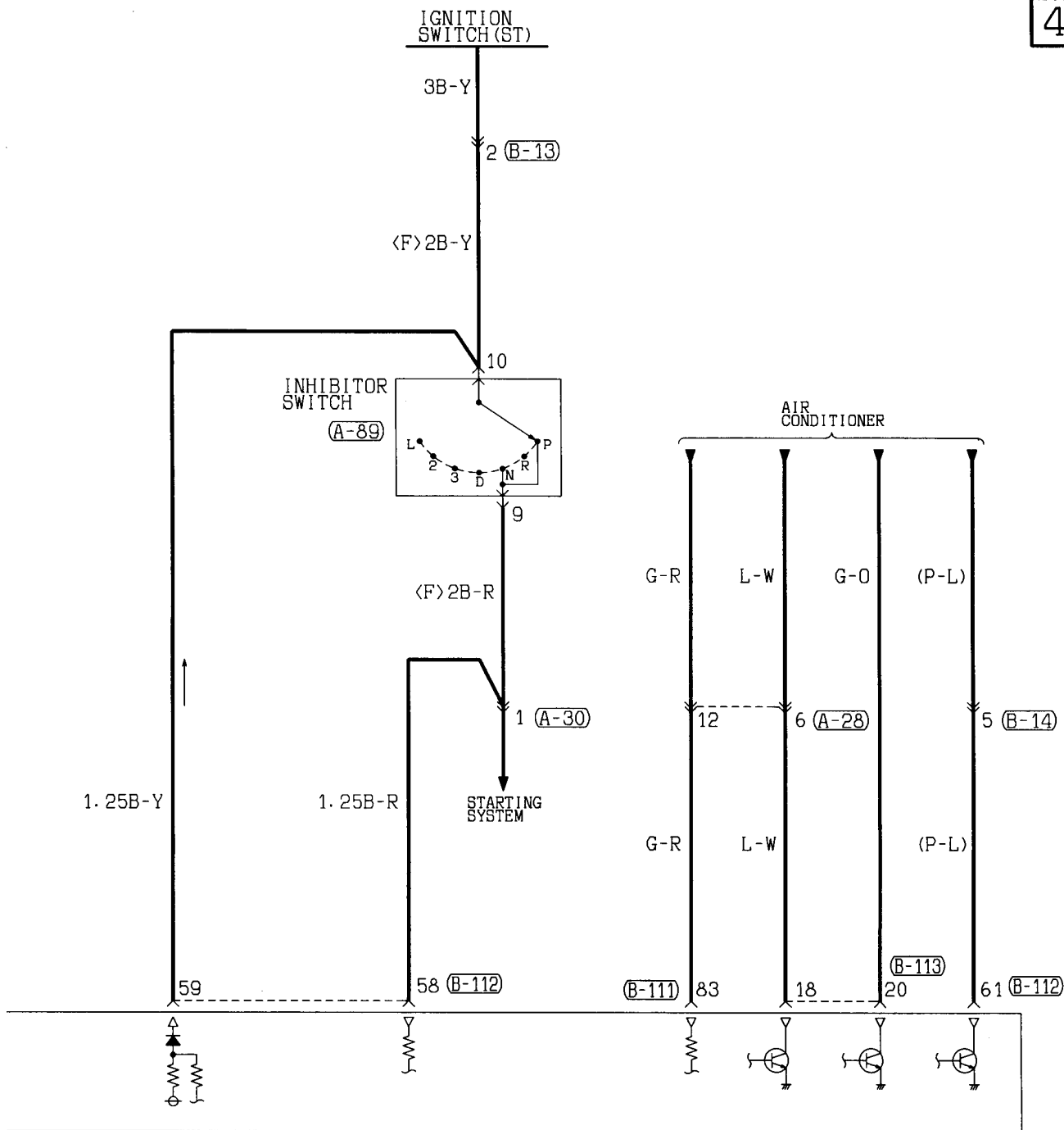
ENGINE CONTROL SYSTEM <4G63-MPI-A/T (R.H. drive vehicles)> (CONTINUED)

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4



(B-110)

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-111)

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-112)

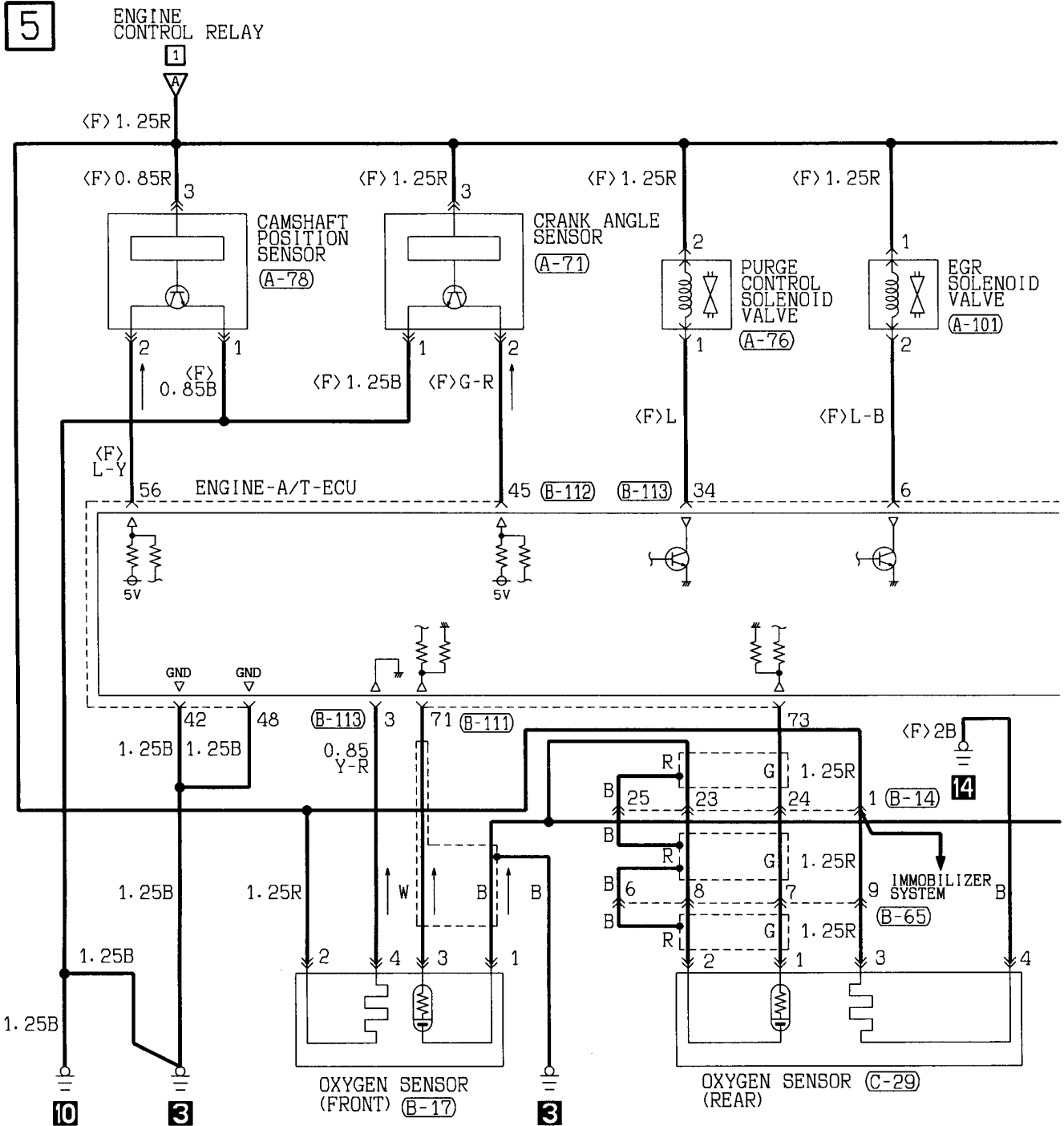
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59	60	61	62	63	64
65	66				

(B-113)

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					

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ENGINE CONTROL SYSTEM <4G63-MPI-A/T (R.H. drive vehicles)> (CONTINUED)



- A-02
- A-03
- A-04
- A-05
- A-07
- A-71
- A-73
- A-75
- A-76
- A-78
- A-80
- A-101

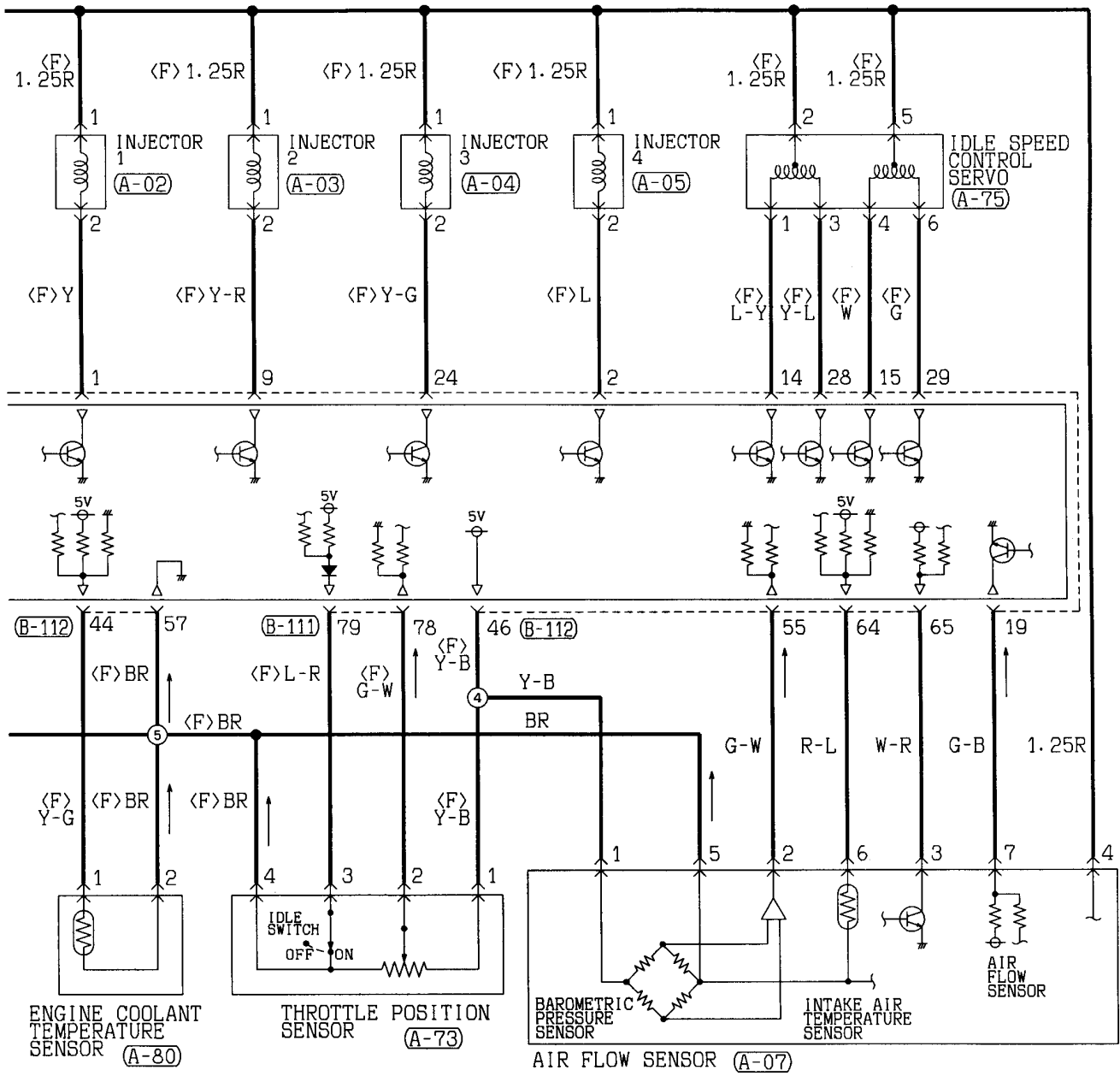
B-113

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17	18	19	20	21	22	23	24
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33	34	35					

C-29

1	2	3	4
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6

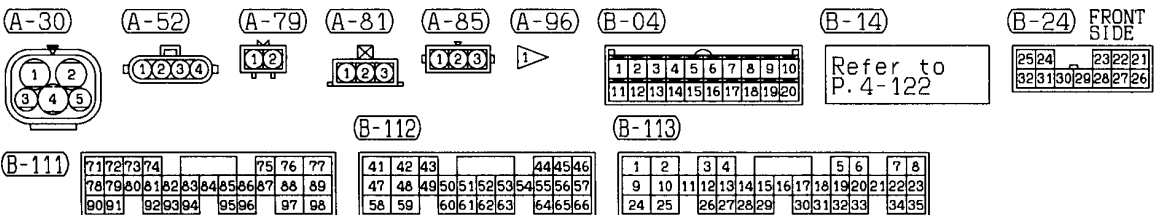
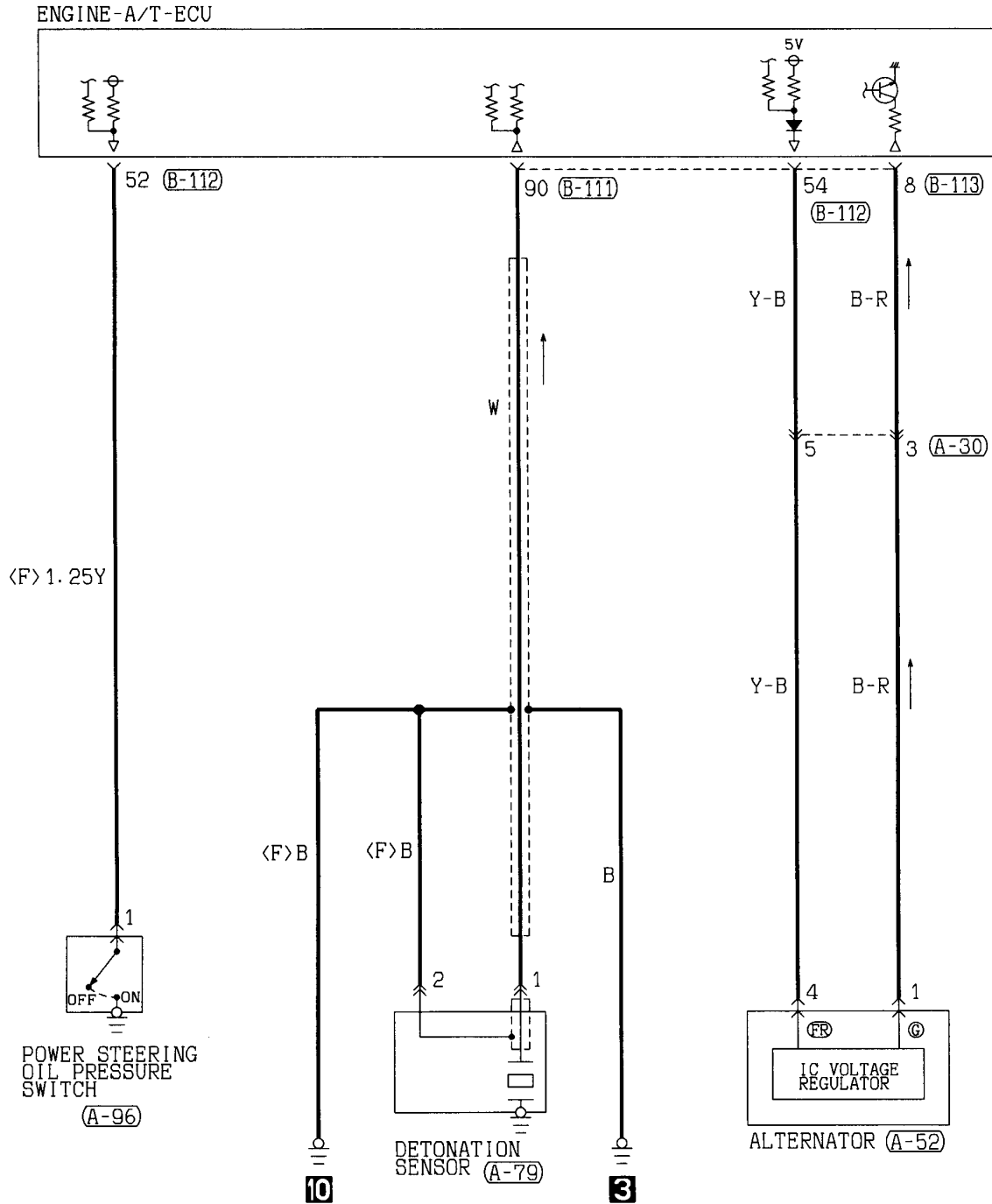


(B-14)	(B-17)	(B-65)	(B-111)	(B-112)																																																														
Refer to P.4-122		Refer to P.4-122	<table border="1"> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td></td><td></td><td>75</td><td>76</td><td>77</td></tr> <tr><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td></tr> <tr><td>90</td><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td></td><td></td><td></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	93	94	95	96	97	98				<table border="1"> <tr><td>41</td><td>42</td><td>43</td><td></td><td></td><td></td><td>44</td><td>45</td><td>46</td></tr> <tr><td>47</td><td>48</td><td>49</td><td>50</td><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td></tr> <tr><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td></tr> </table>	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
71	72	73	74			75	76	77																																																										
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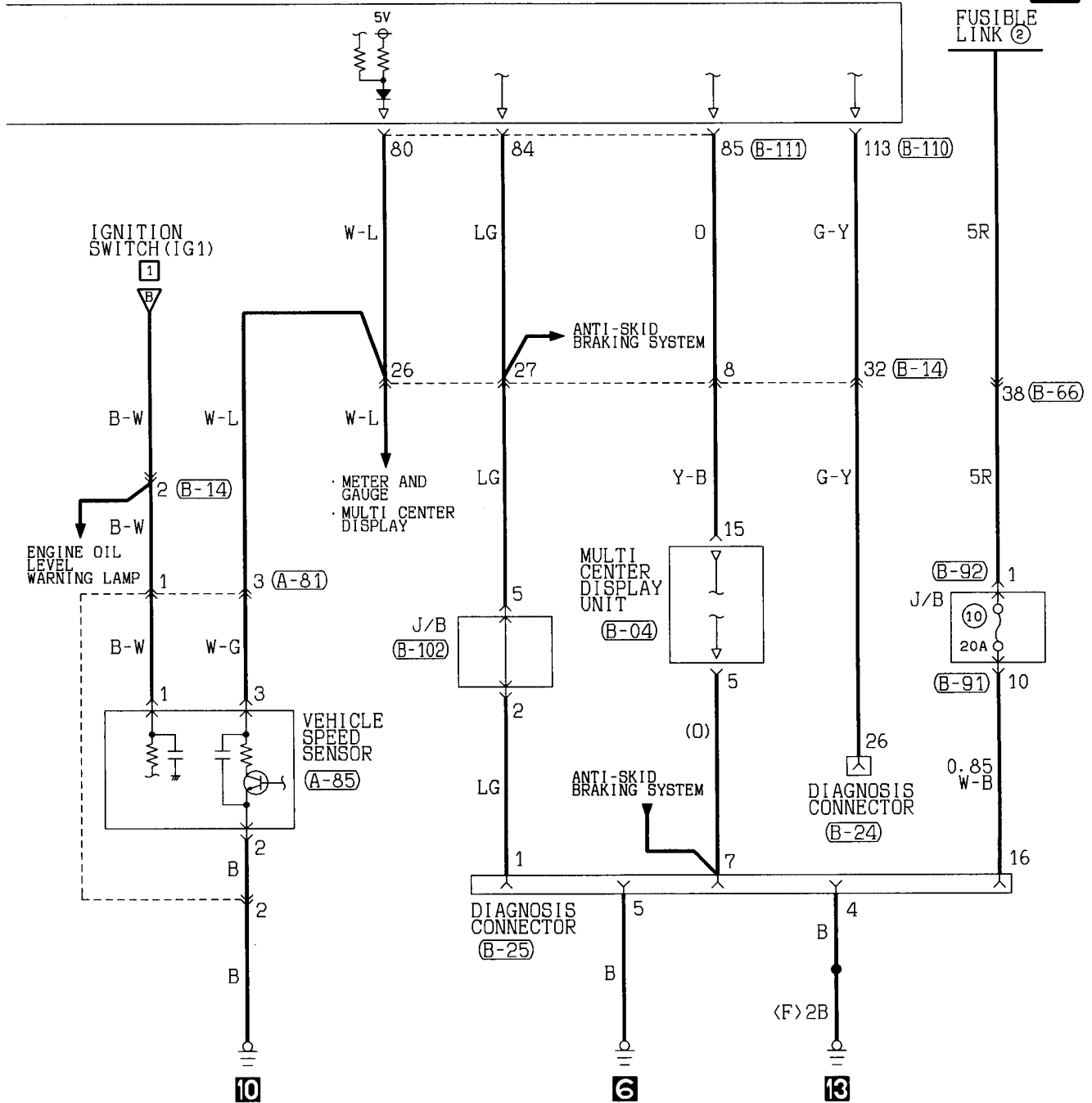
Wire colour code  
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ENGINE CONTROL SYSTEM <4G63-MPI-A/T (R.H. drive vehicles)> (CONTINUED)

7



8

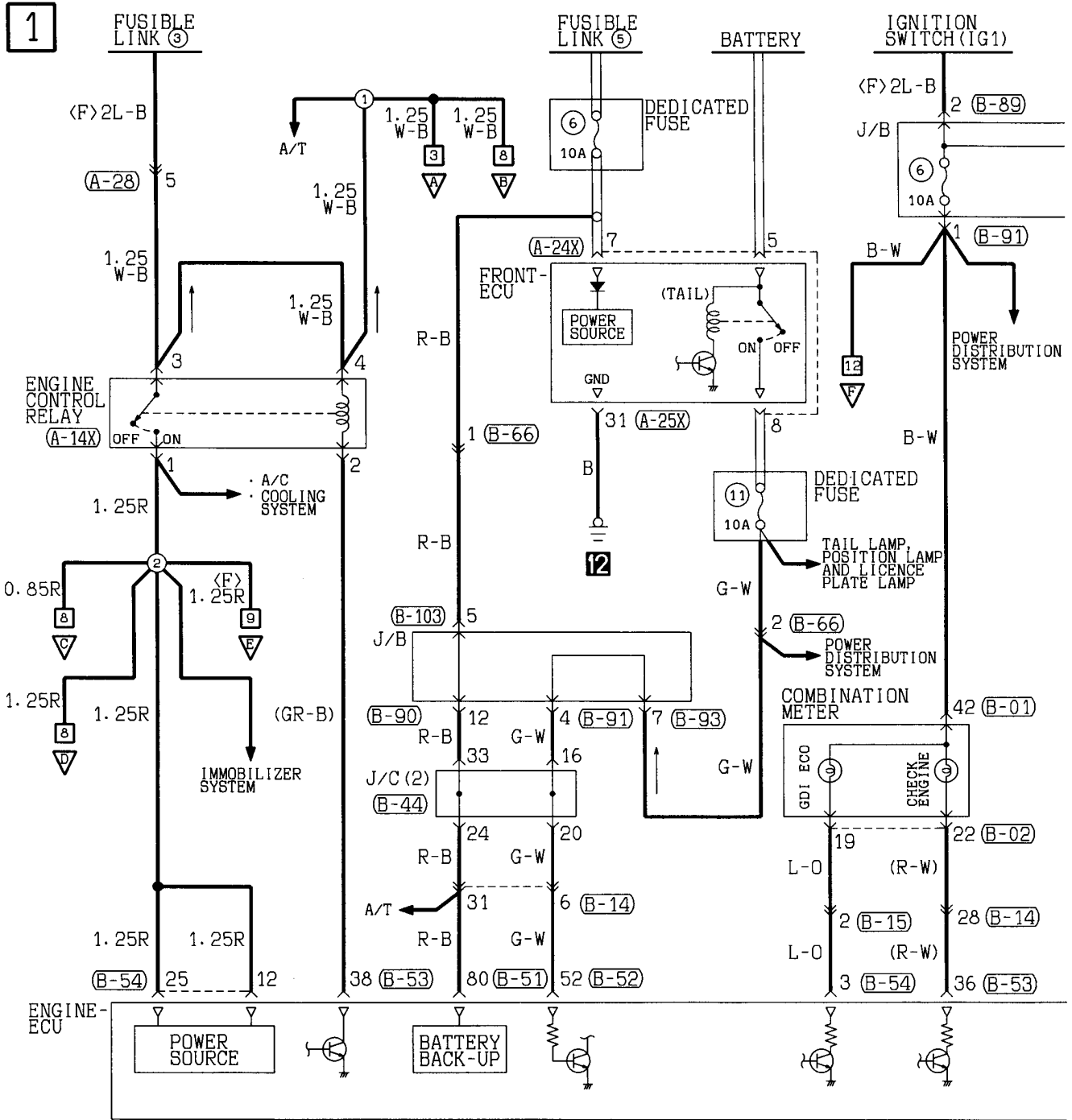


(B-25) FRONT SIDE	(B-66) Refer to P. 4-122	(B-67)	(B-91)	(B-92)	(B-102)	(B-110)																																																																																	
<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		<table border="1"> <tr><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td></tr> </table>	1	2	3	4	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	<table border="1"> <tr><td>1</td></tr> </table>	1	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	<table border="1"> <tr><td>101</td><td>102</td><td>103</td><td>104</td><td>105</td><td>106</td><td>107</td></tr> <tr><td>108</td><td>109</td><td>110</td><td>111</td><td>112</td><td>113</td><td>114</td></tr> <tr><td>115</td><td>116</td><td>117</td><td>118</td><td>119</td><td>120</td><td>121</td></tr> <tr><td>122</td><td>123</td><td>124</td><td>125</td><td>126</td><td>127</td><td>128</td></tr> <tr><td>129</td><td>130</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	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					
1	2	3	4	5	6	7	8																																																																																
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6	7	8	9	10																																																																																			
11	12	13	14	15																																																																																			
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1	2	3	4	5																																																																																			
6	7	8	9	10																																																																																			
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																																																																																						

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

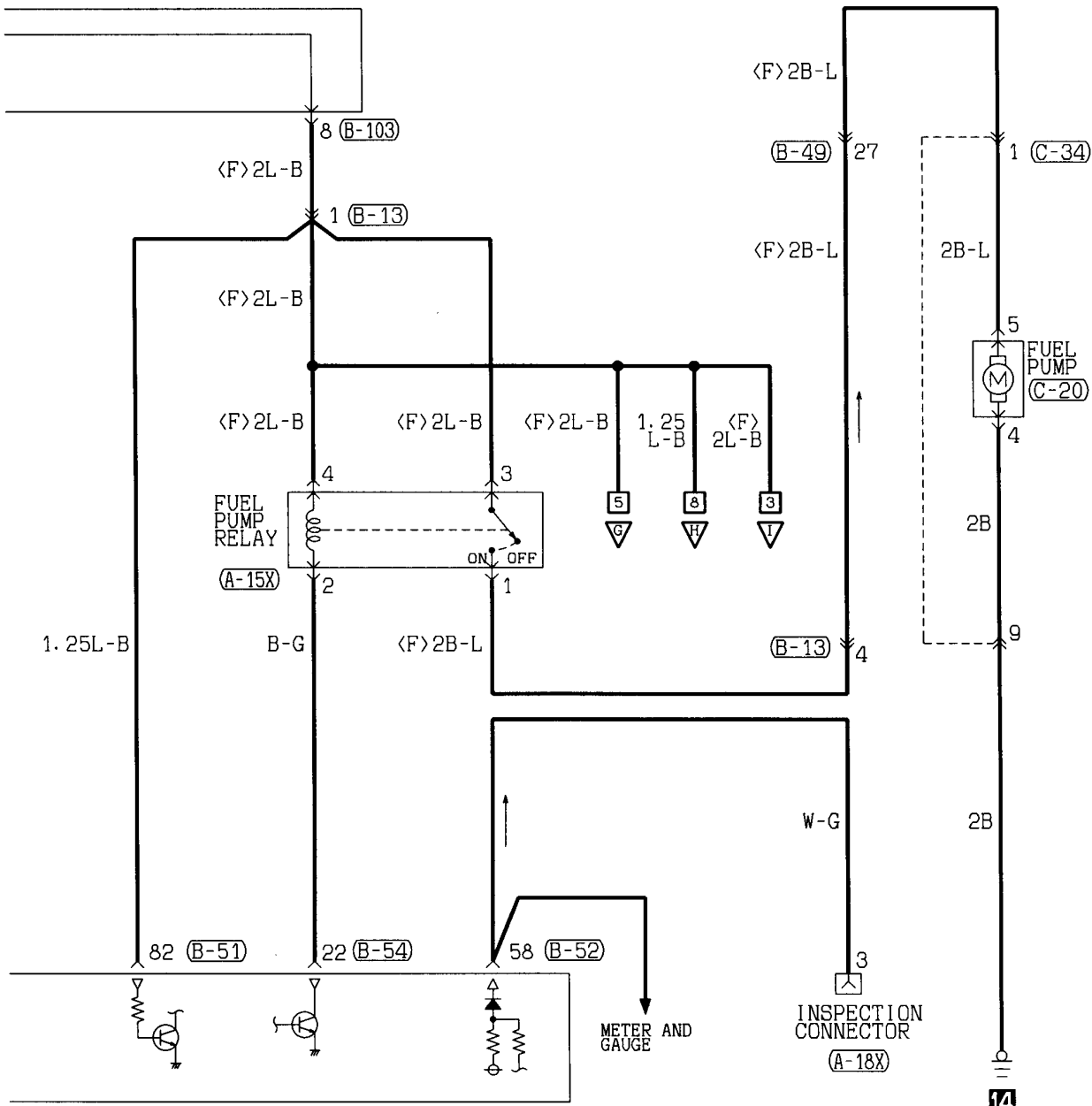
ENGINE CONTROL SYSTEM

4G64-GDI <SPACE RUNNER (L.H. drive vehicles)>

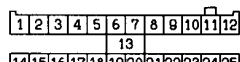


(A-14X)	(A-15X)	(A-18X)	(A-24X)	(A-25X)	(A-28)	(B-01)
1 2 3 4	1 2 3 4	1 2 3	1 2 3 4 5 6 7 8 9 10 11	21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
(B-51)	(B-52)	(B-53)	(B-54)	(B-66)	Refer to P. 4-122	(B-89)
71 72 73 74 75 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	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

2



(B-02)



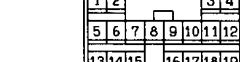
(B-13)



(B-14)

Refer to P. 4-122

(B-15)



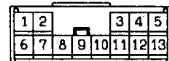
(B-44)



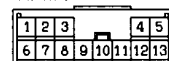
(B-49)

Refer to P. 4-122

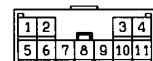
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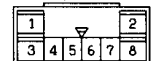
(B-91)



(B-93)



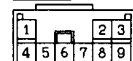
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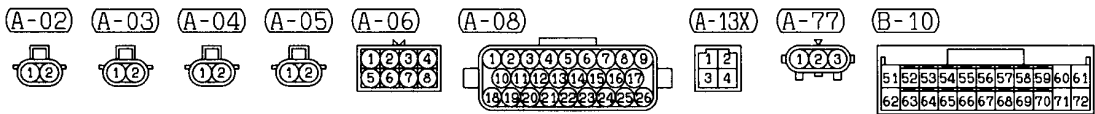
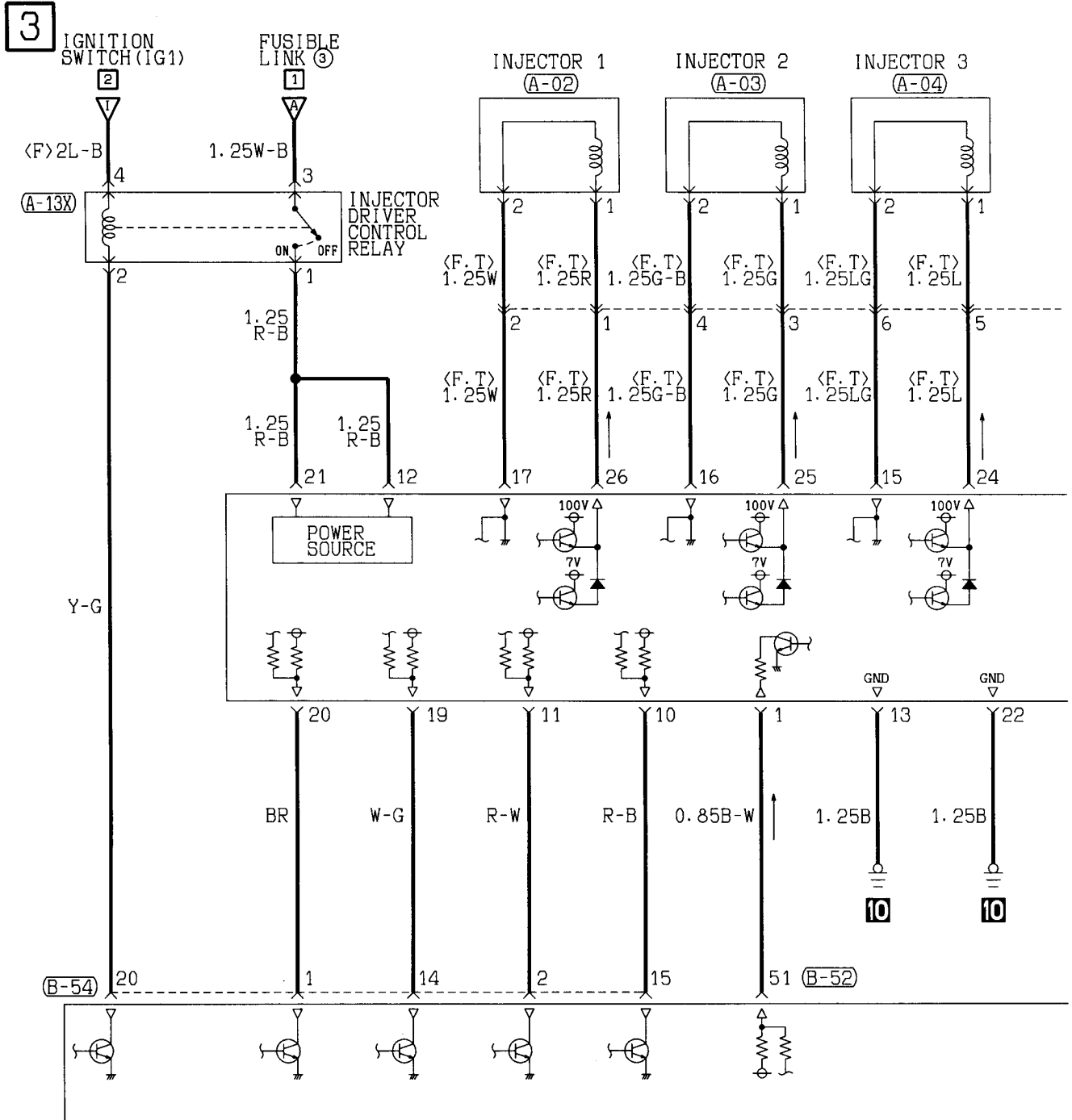
(C-20)



(C-34)

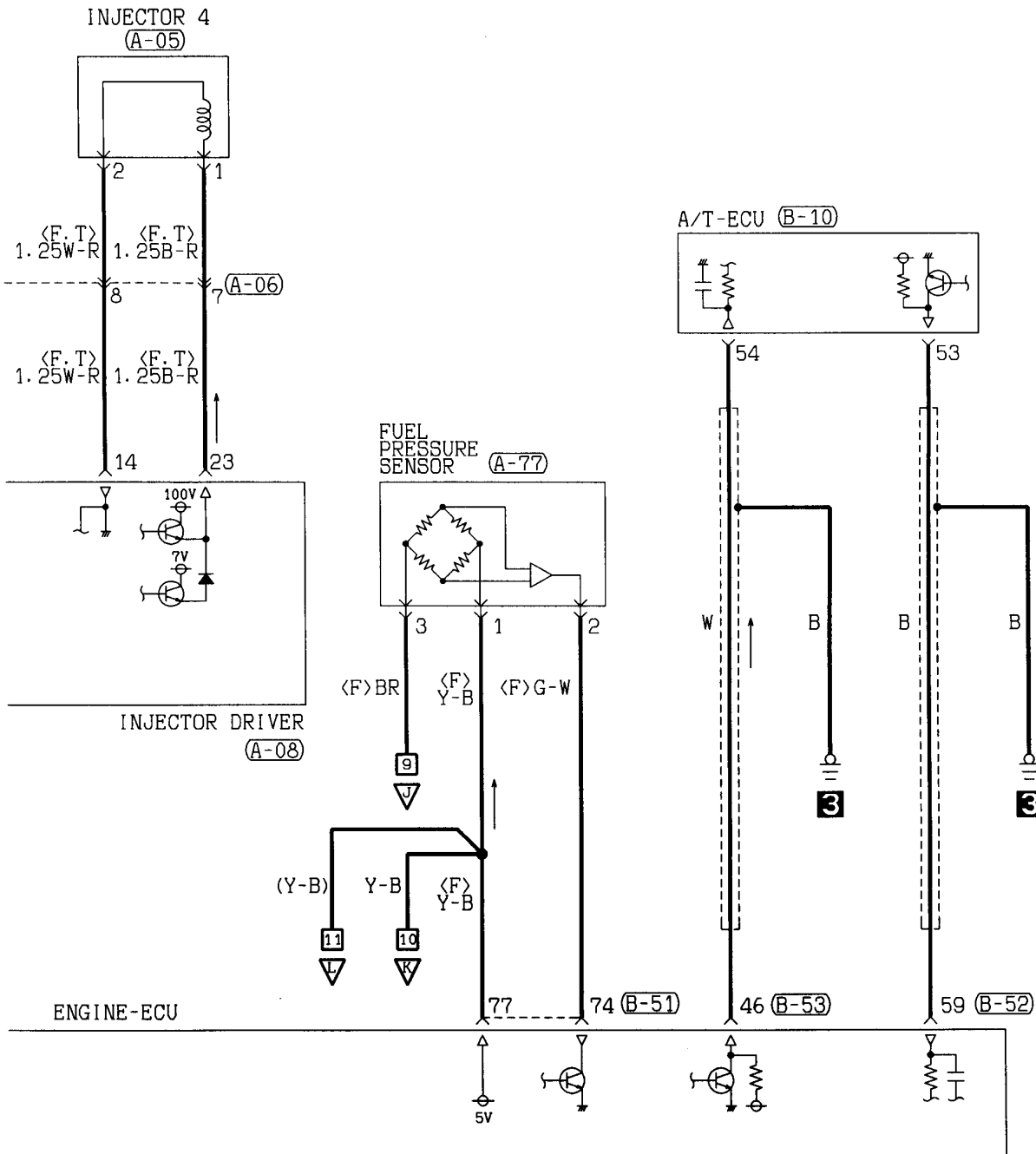


ENGINE CONTROL SYSTEM <4G64-GDI (SPACE RUNNER (L.H. drive vehicles))>  
(CONTINUED)





4



(B-51)

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

(B-52)

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

(B-53)

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

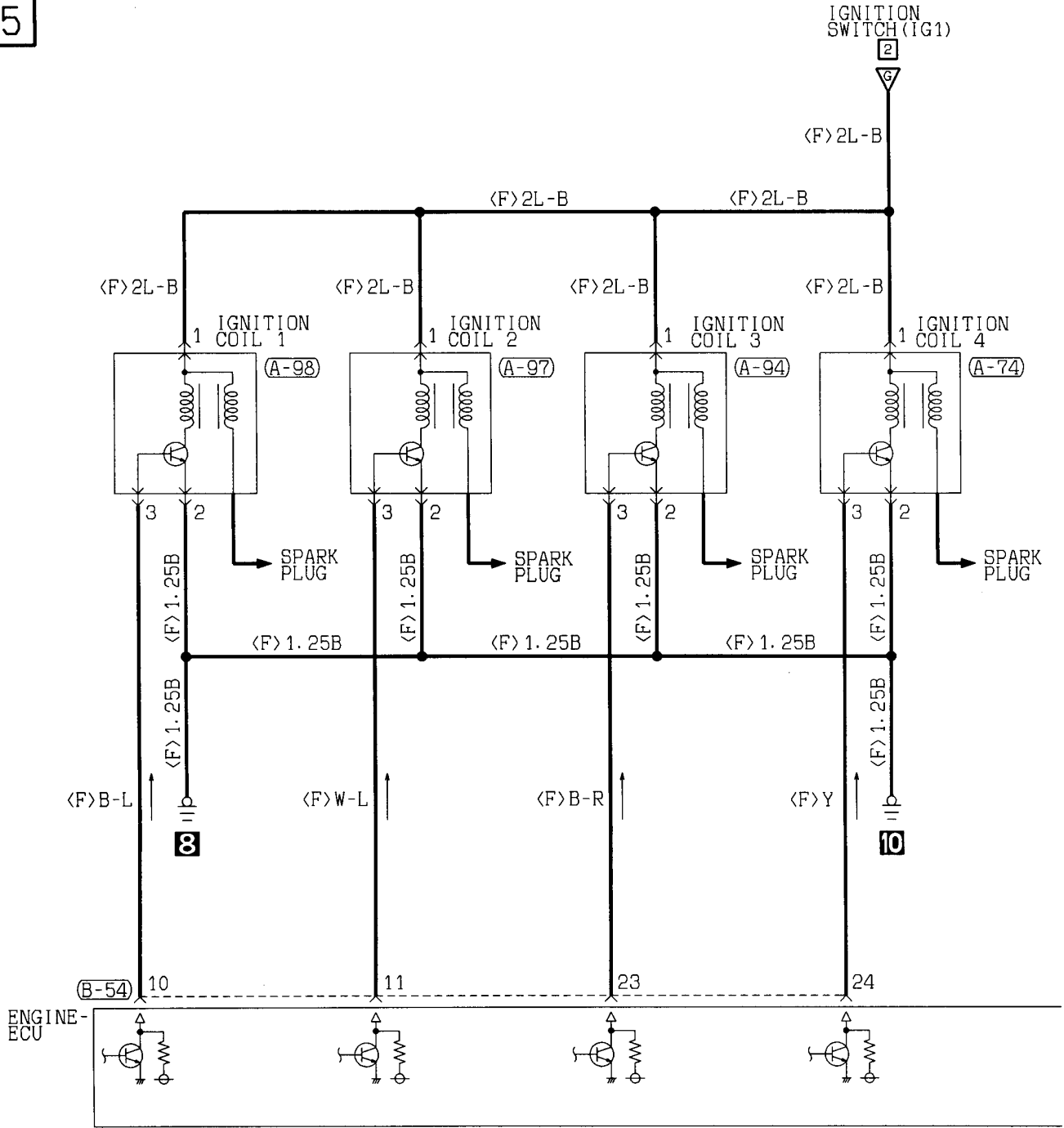
(B-54)

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

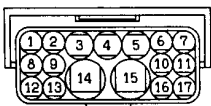
Wire colour code  
 B :Black LG:Light green G:Green L :Blue W :White Y :Yellow SB:Sky blue  
 BR:Brown O :Orange GR:Gray R :Red P :Pink V :Violet

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE RUNNER (L.H. drive vehicles))>  
(CONTINUED)

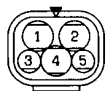
5



A-28



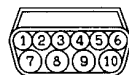
A-30



A-74



A-89



A-94



A-97



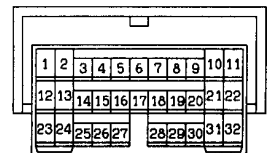
A-98



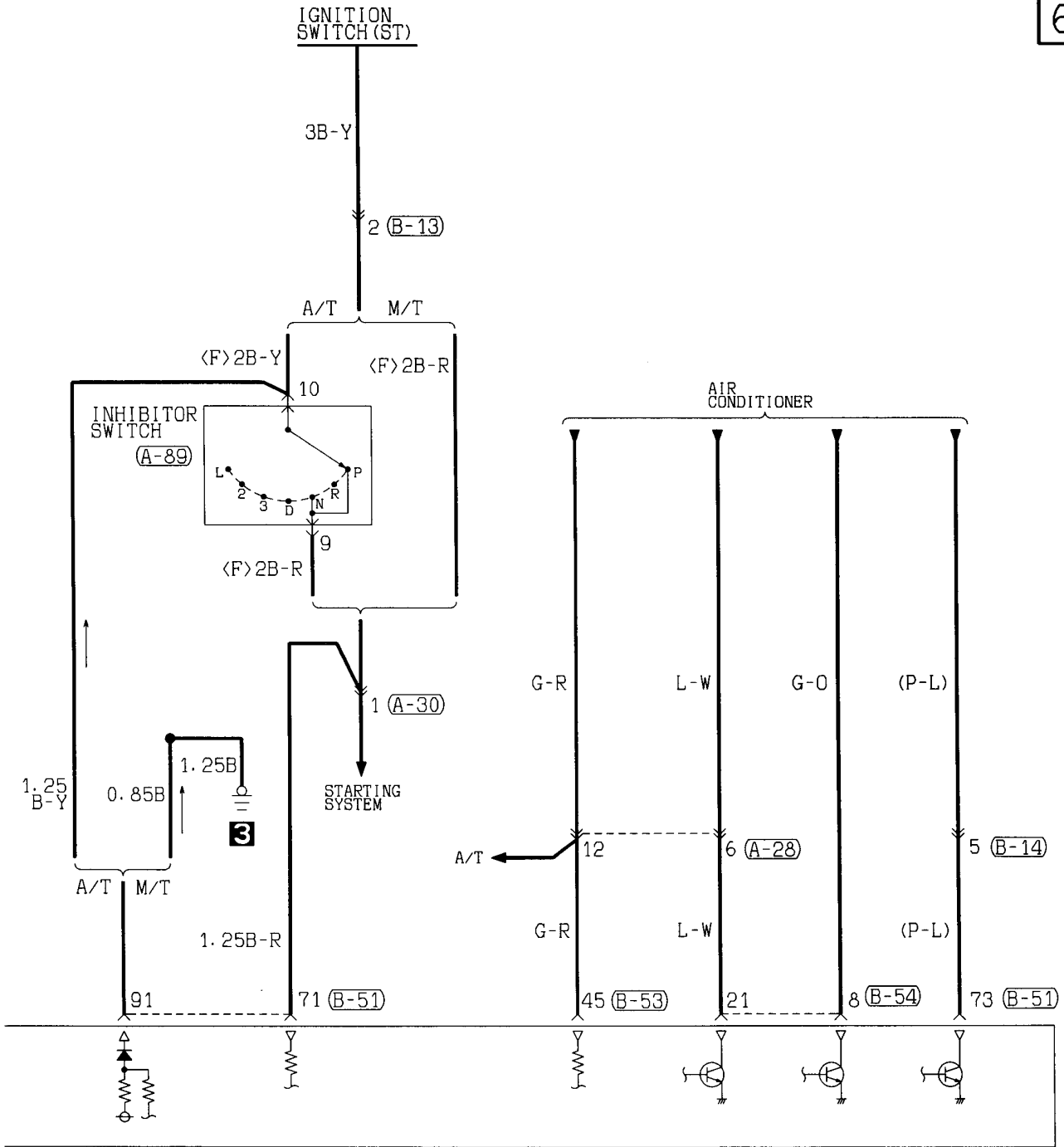
B-13



B-14



6



(B-51)

(B-53)

(B-54)

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

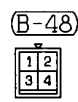
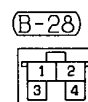
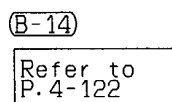
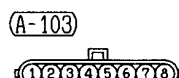
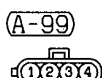
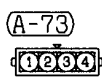
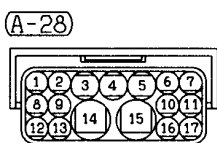
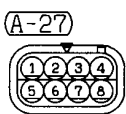
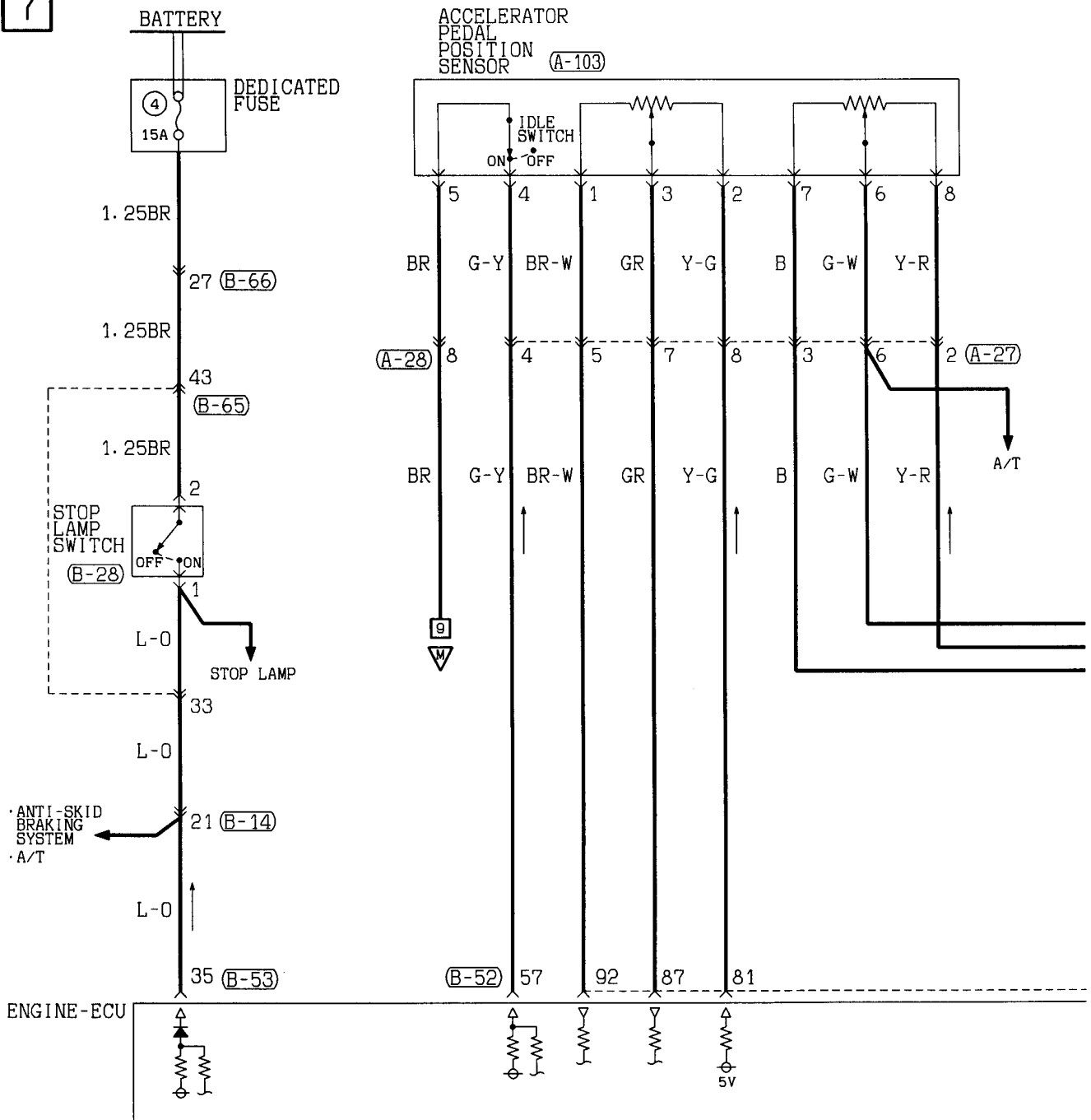
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

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

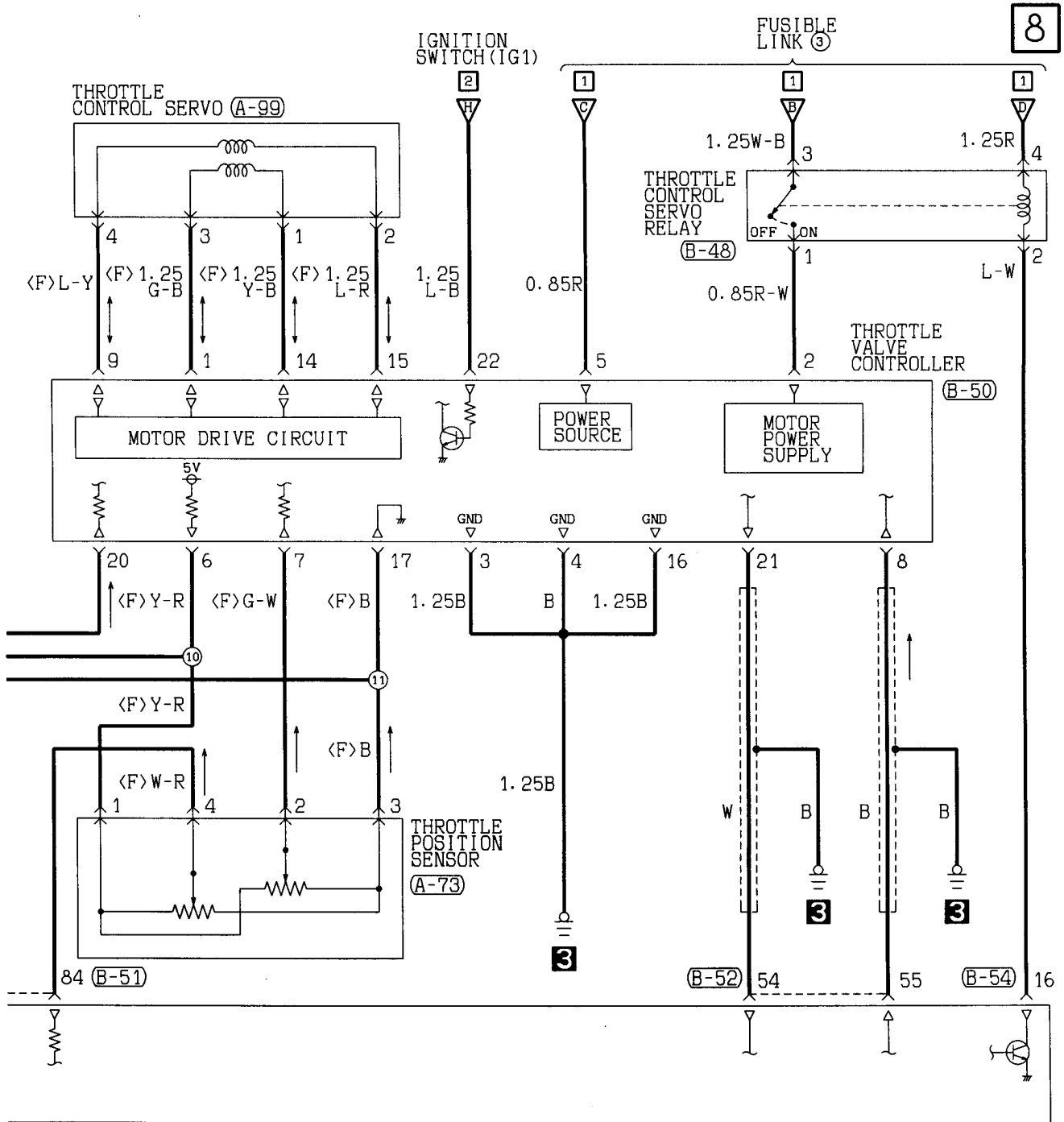
Wire colour code  
 B : Black    LG: Light green    G : Green    L : Blue    W : White    Y : Yellow    SB: Sky blue  
 BR: Brown    O : Orange    GR: Gray    R : Red    P : Pink    V : Violet

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE RUNNER (L.H. drive vehicles))>  
(CONTINUED)

7



B-66  
Refer to P. 4-122



(B-50)

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

(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

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-65)

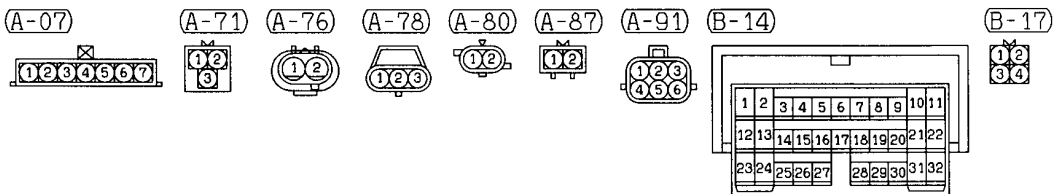
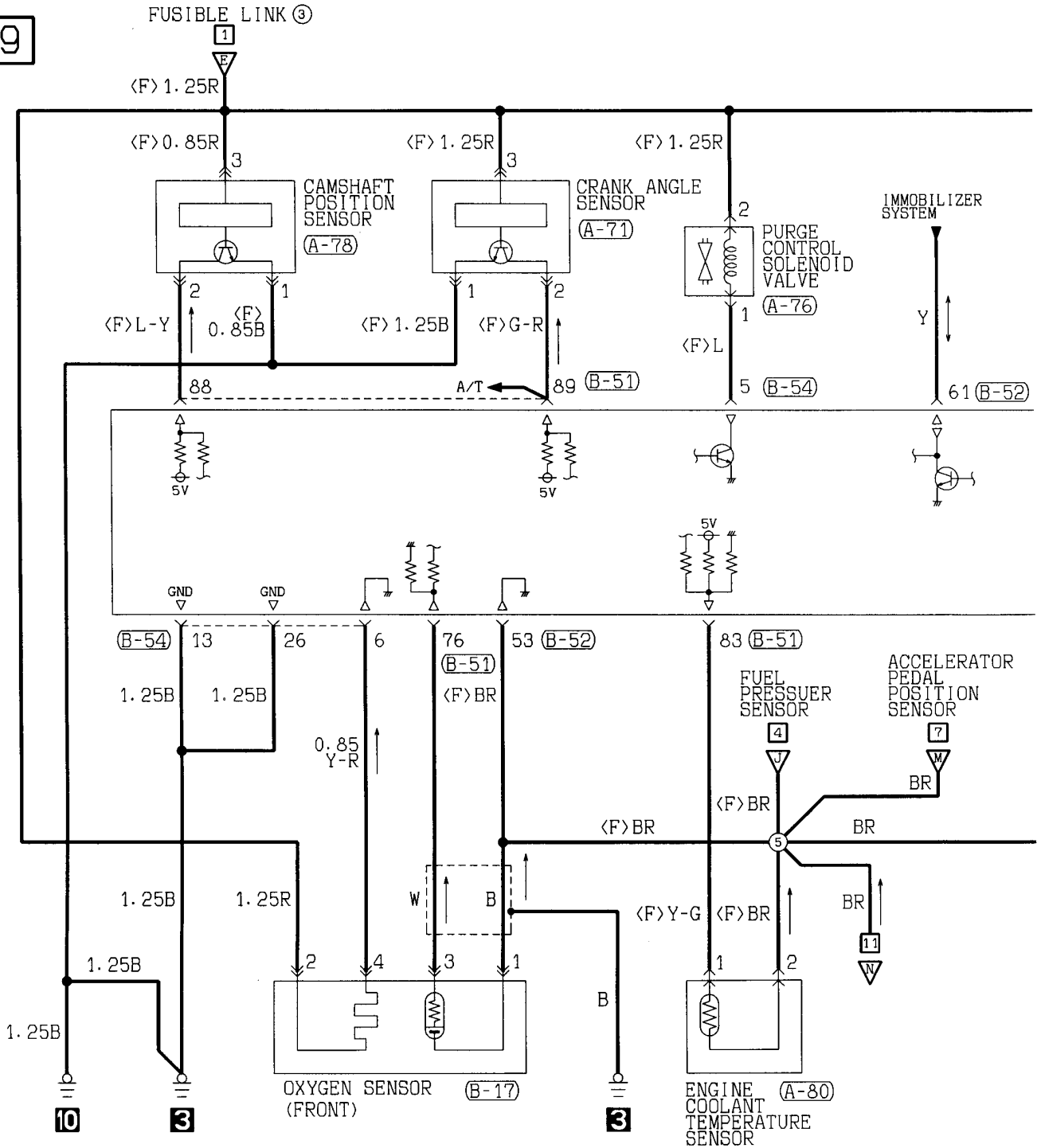
Refer to P.4-122

Wire colour code

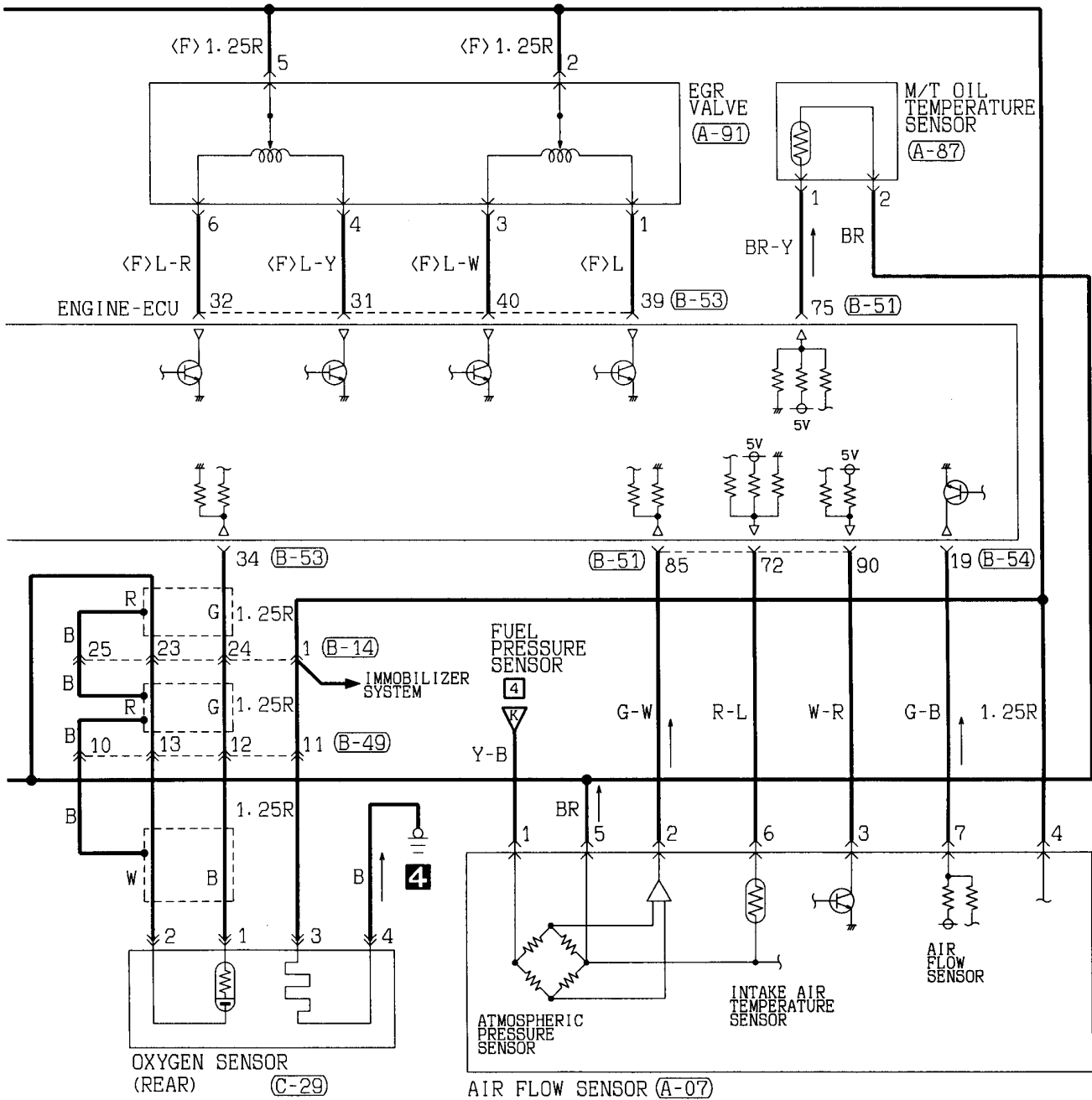
B : Black    LG:Light green    G : Green    L : Blue    W : White    Y : Yellow    SB:Sky blue  
 BR:Brown    O : Orange    GR:Gray    R : Red    P : Pink    V : Violet

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE RUNNER (L.H. drive vehicles))>  
(CONTINUED)

9



10



(B-49)

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

(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

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

(C-29)

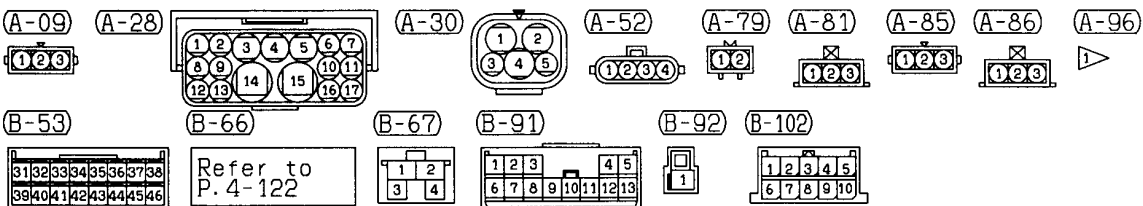
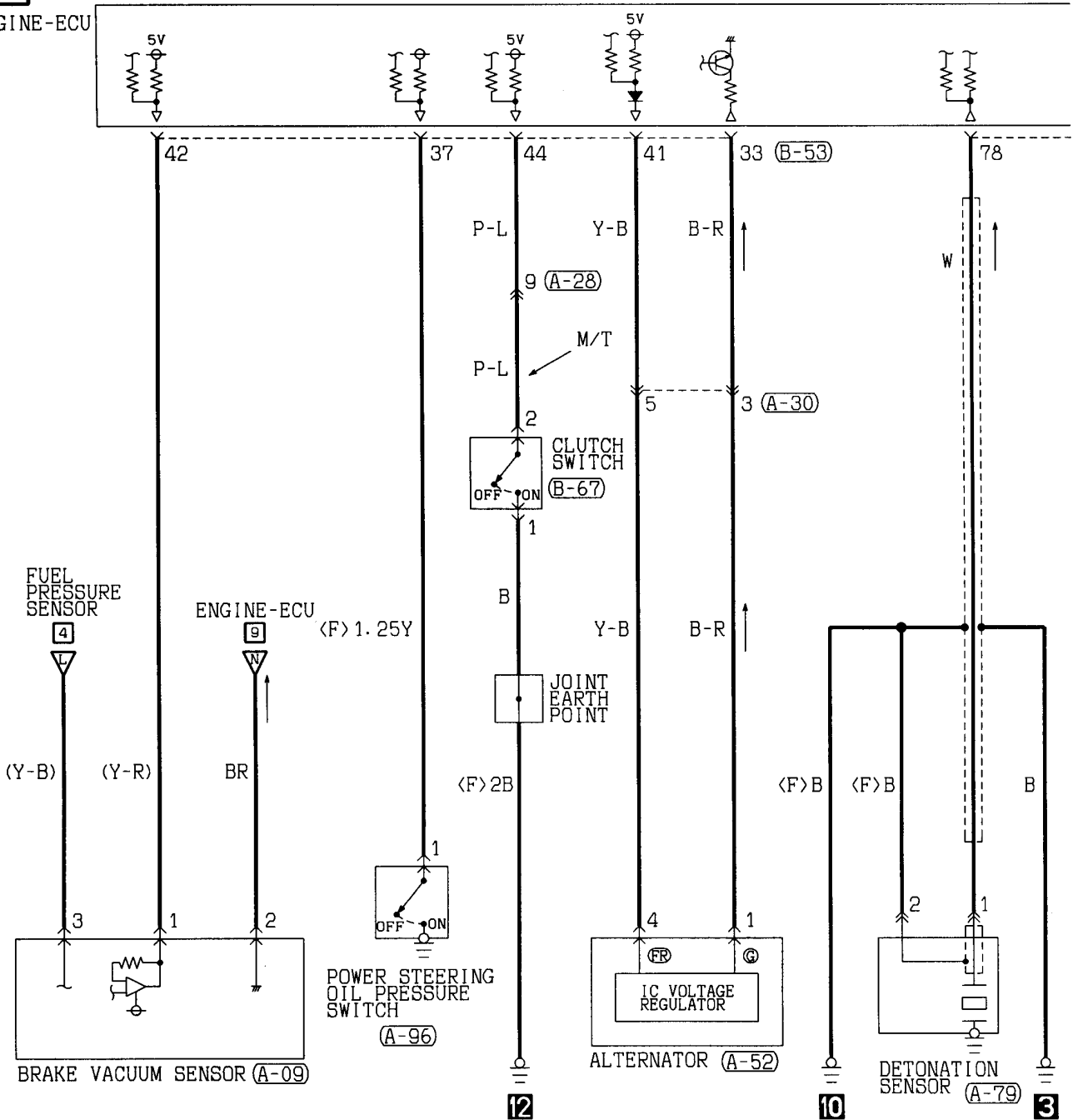
1	2	3	4
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Wire colour code  
 B : Black      LG : Light green      G : Green      L : Blue  
 BR : Brown      O : Orange      GR : Gray      R : Red  
 W : White      SB : Sky blue      P : Pink      Y : Yellow  
 V : Violet

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE RUNNER (L.H. drive vehicles))>  
(CONTINUED)

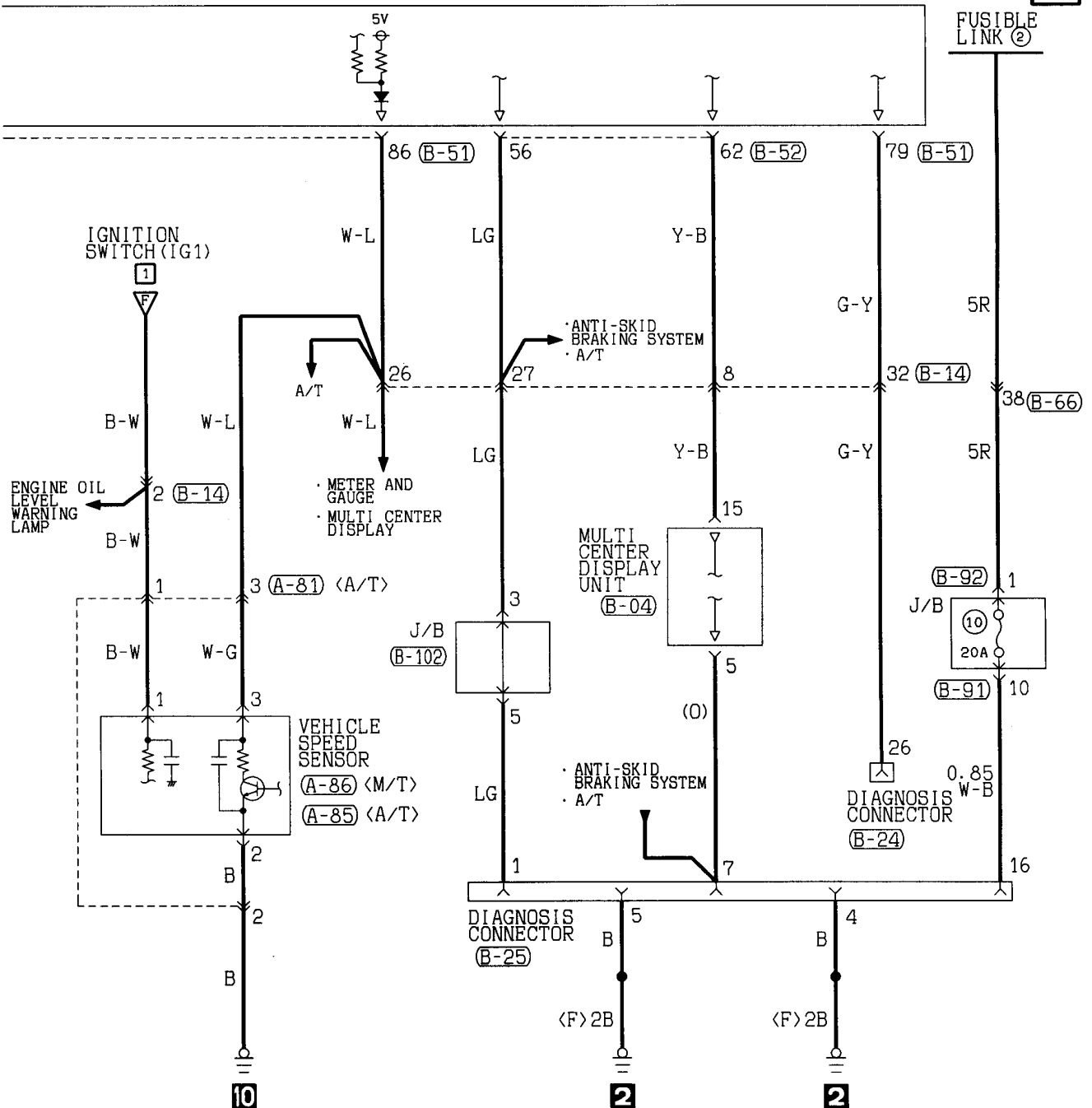
11

ENGINE-ECU





12



(B-04)

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

(B-14)

Refer to P. 4-122

(B-24) FRONT SIDE

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

(B-25) FRONT SIDE

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

(B-51)

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

(B-52)

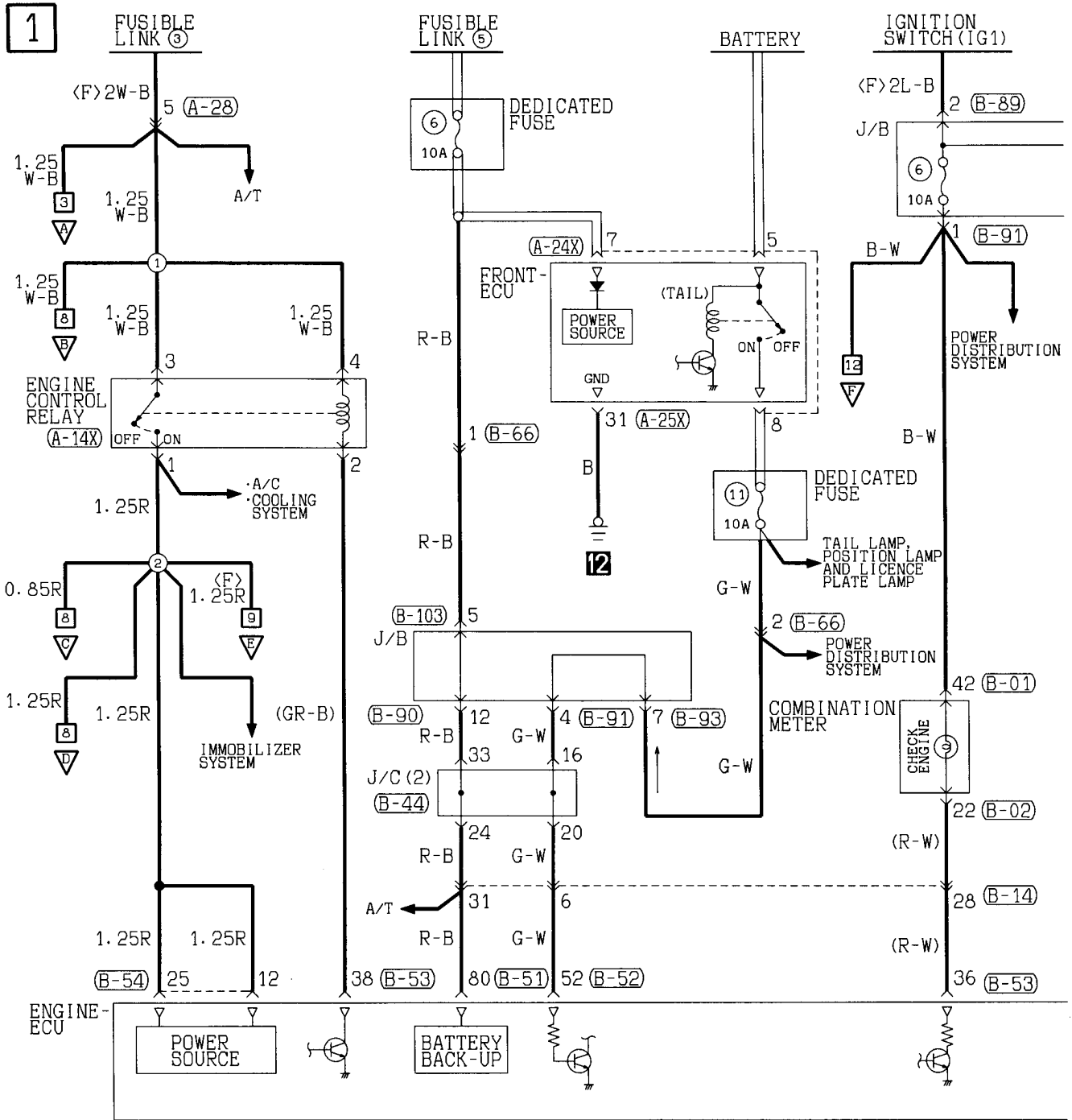
51	52	53	54	55	56
57	58	59	60	61	62

Wire colour code

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

ENGINE CONTROL SYSTEM

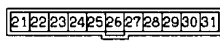
4G64-GDI <SPACE WAGON (L.H. drive vehicles)>



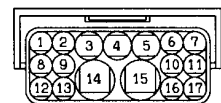
(A-14X) (A-15X) (A-18X) (A-24X)



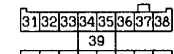
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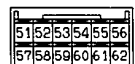
(A-28)



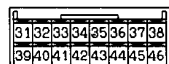
(B-01)



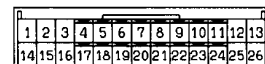
(B-52)



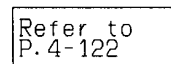
(B-53)



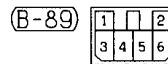
(B-54)



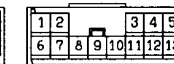
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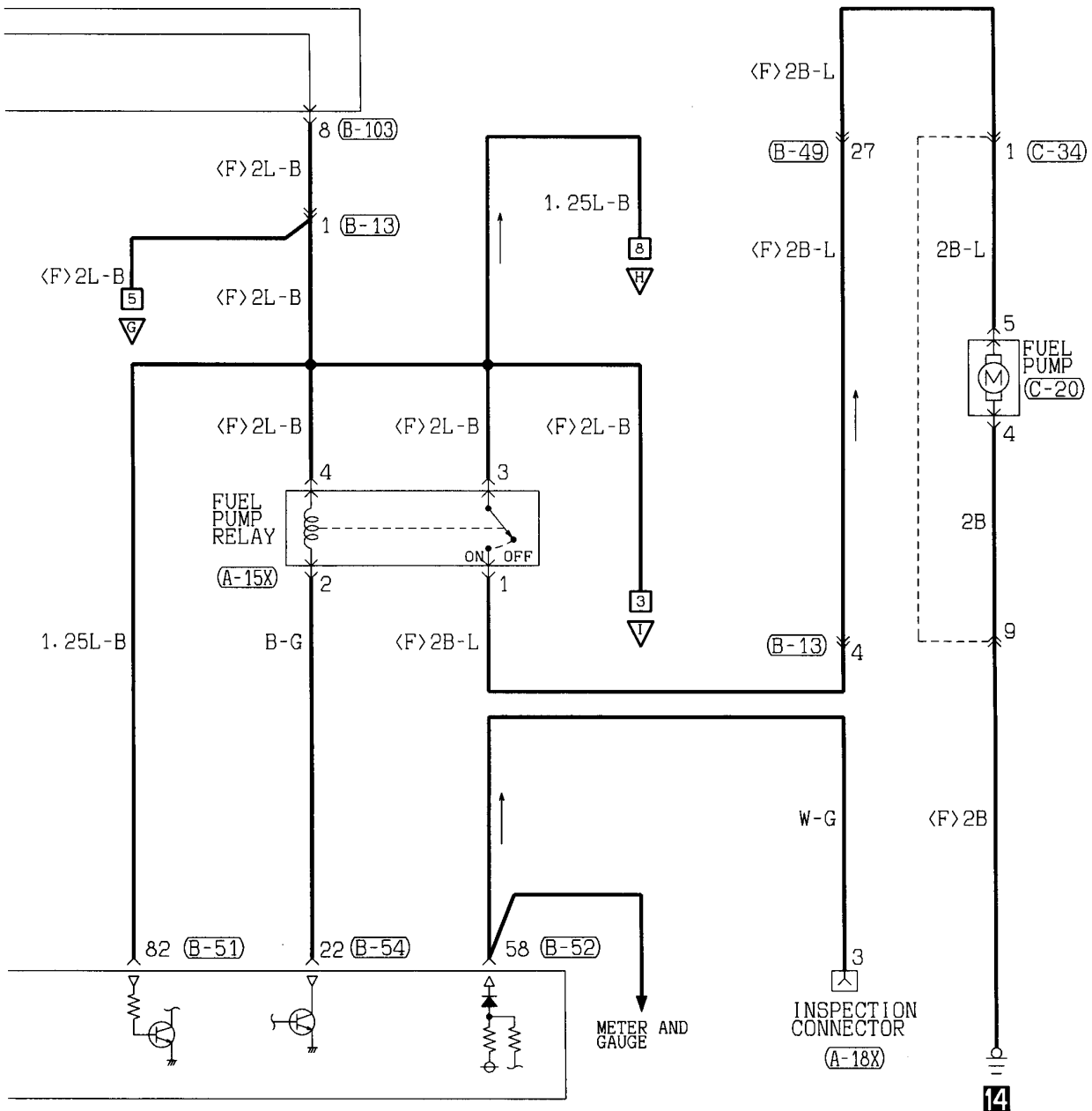
(B-89)



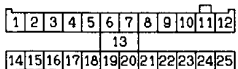
(B-90)



2



(B-02)



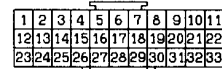
(B-13)



(B-14)

Refer to P. 4-122

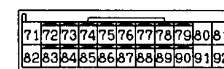
(B-44)



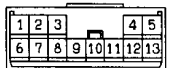
(B-49)

Refer to P. 4-122

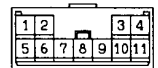
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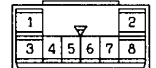
(B-91)



(B-93)



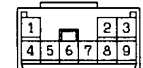
(B-103)



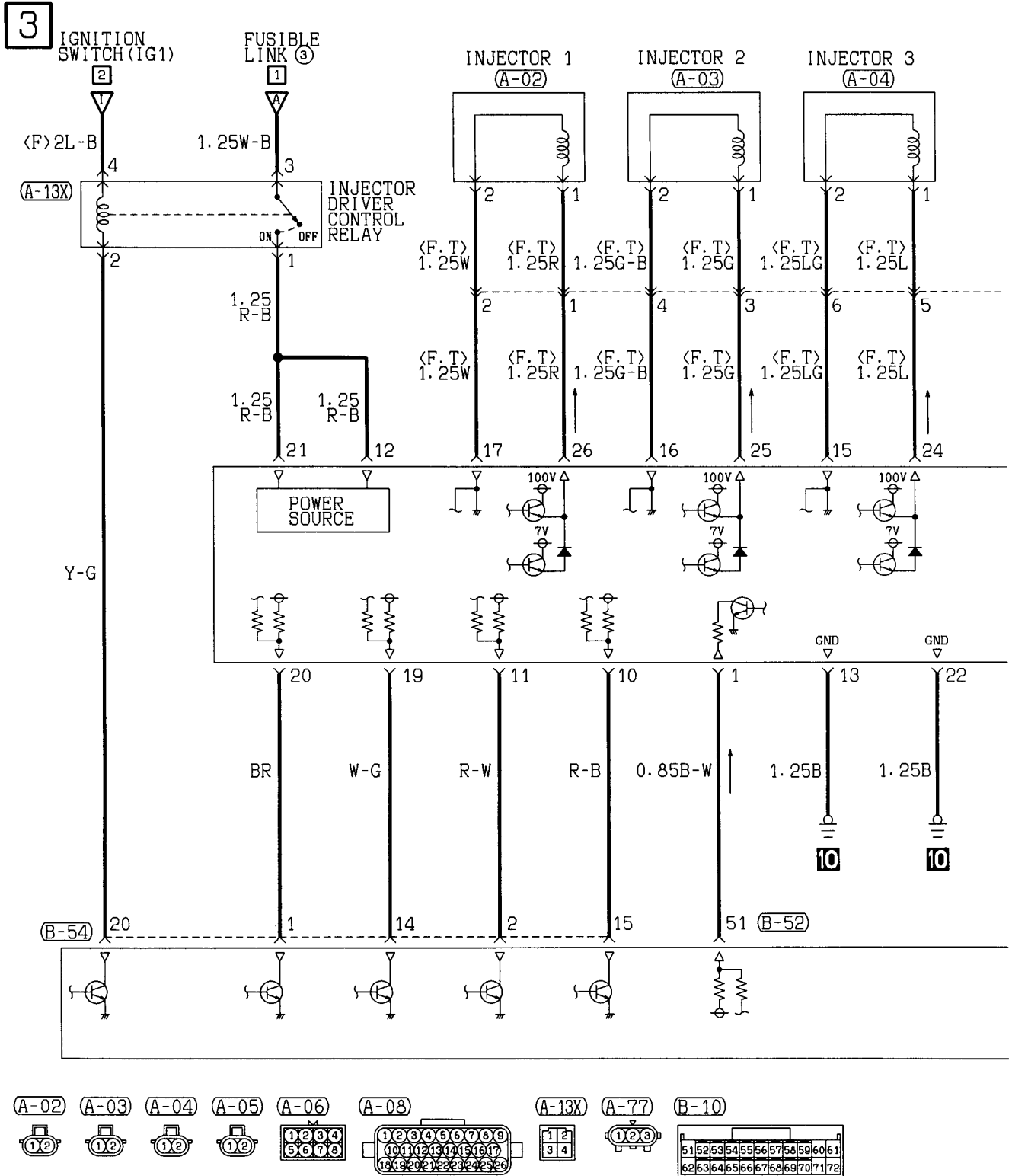
(C-20)



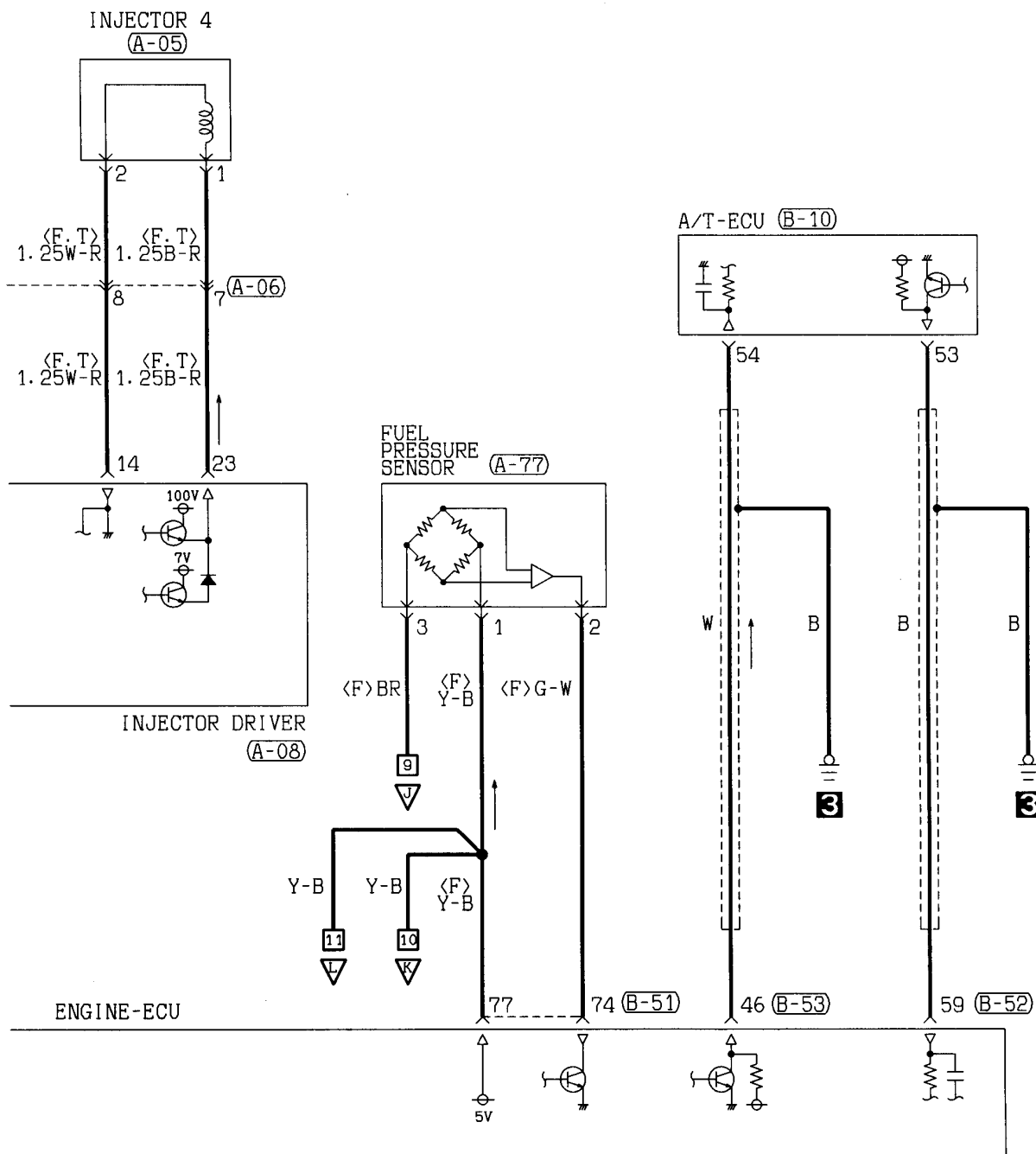
(C-34)



ENGINE CONTROL SYSTEM <4G64-GDI (SPACE WAGON (L.H. drive vehicles))>  
(CONTINUED)



4



(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

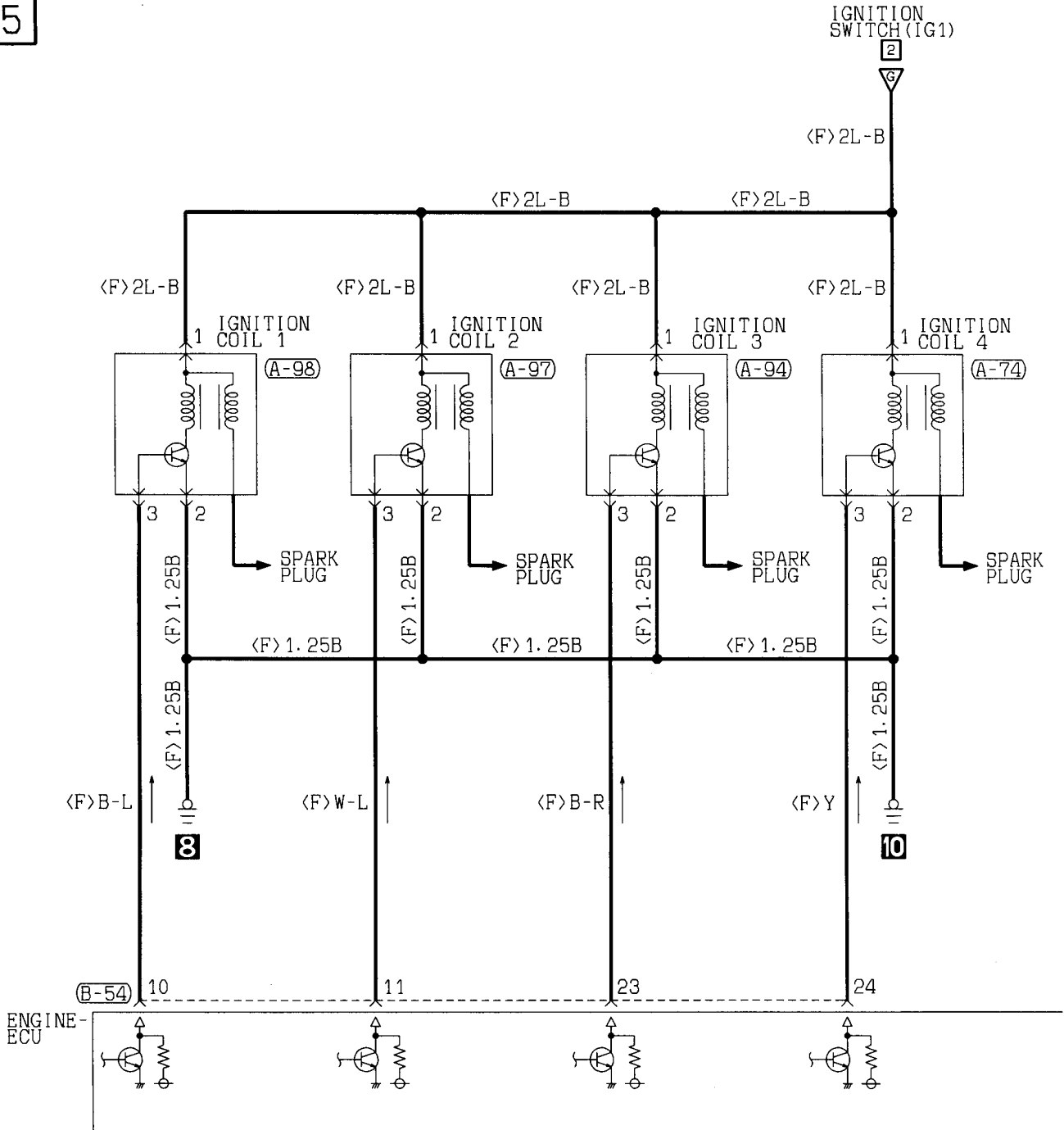
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

Wire colour code

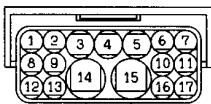
B : Black    LG : Light green    G : Green    L : Blue    W : White    Y : Yellow    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE WAGON (L.H. drive vehicles))>  
(CONTINUED)

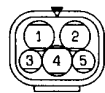
5



(A-28)



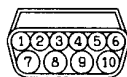
(A-30)



(A-74)



(A-89)



(A-94)



(A-97)



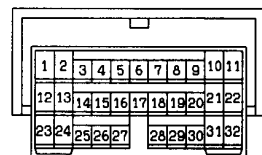
(A-98)



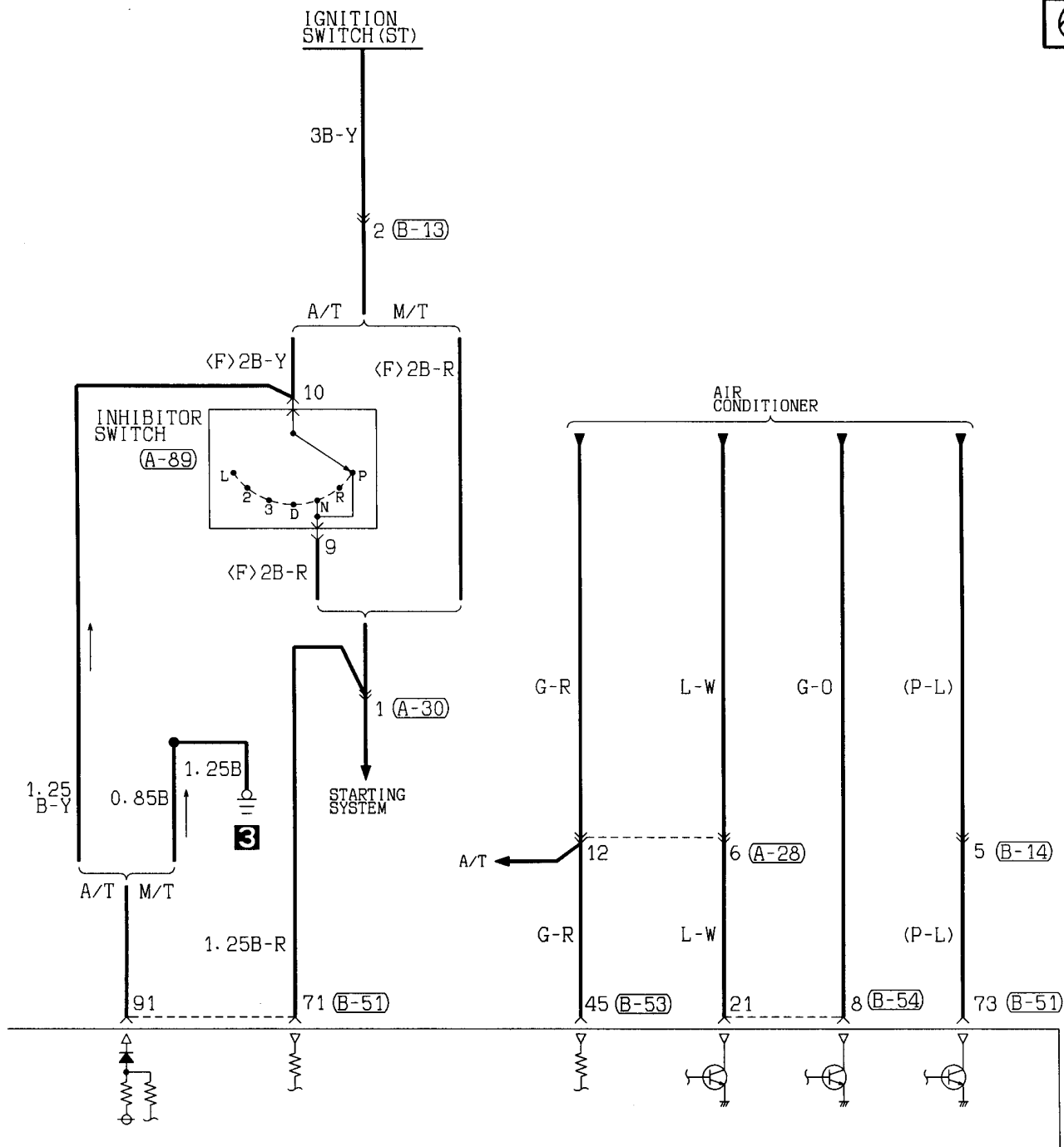
(B-13)



(B-14)



6



(B-51)

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

(B-53)

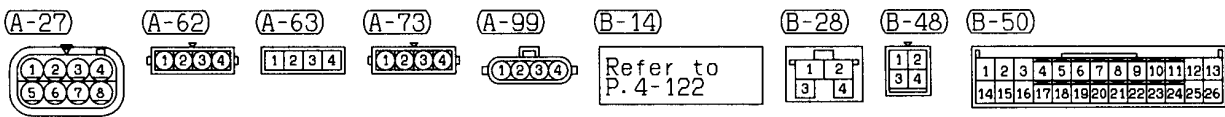
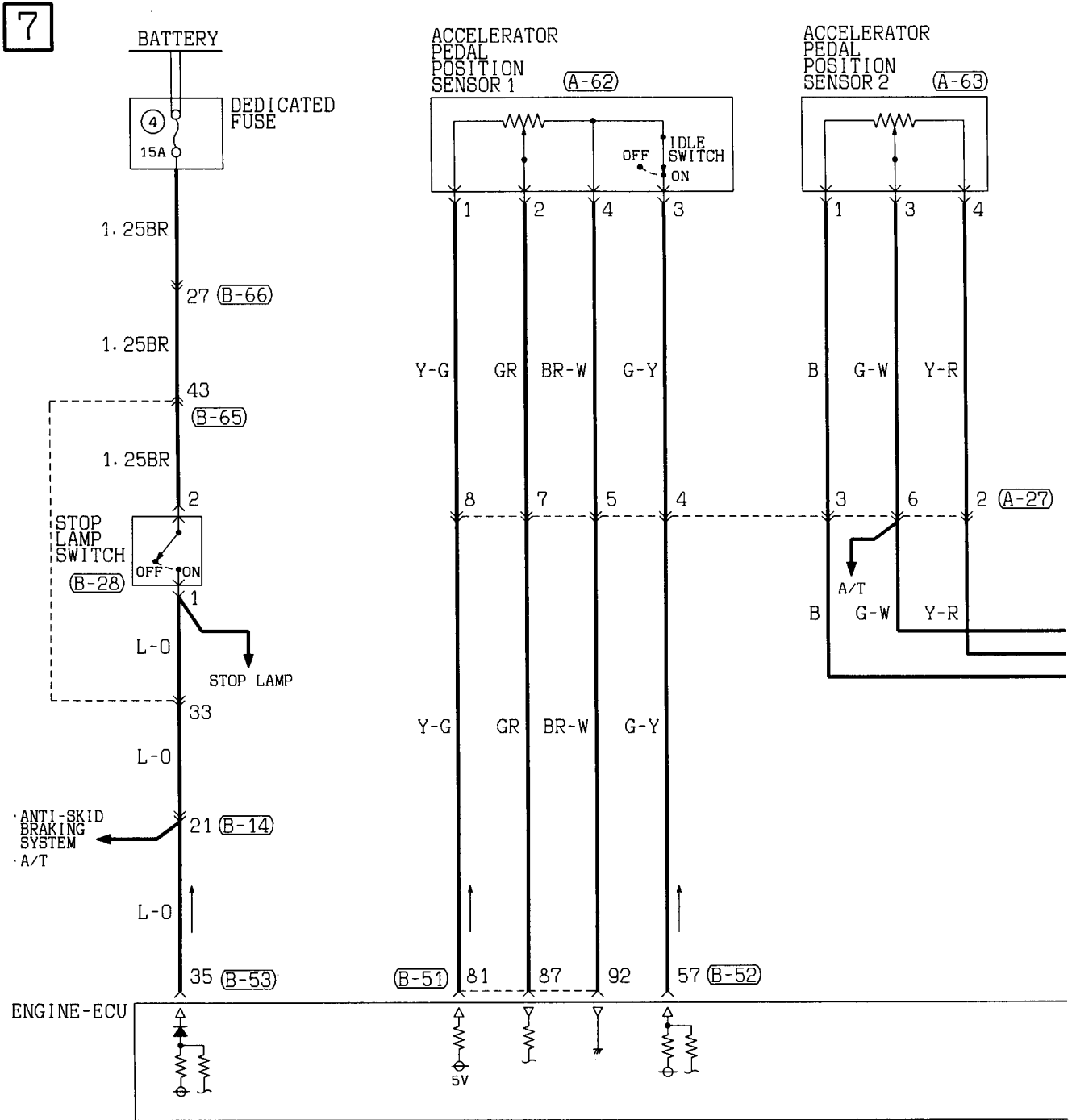
31	32	33	34	35	36	37	38
39	40	41	42	43	44	45	46

(B-54)

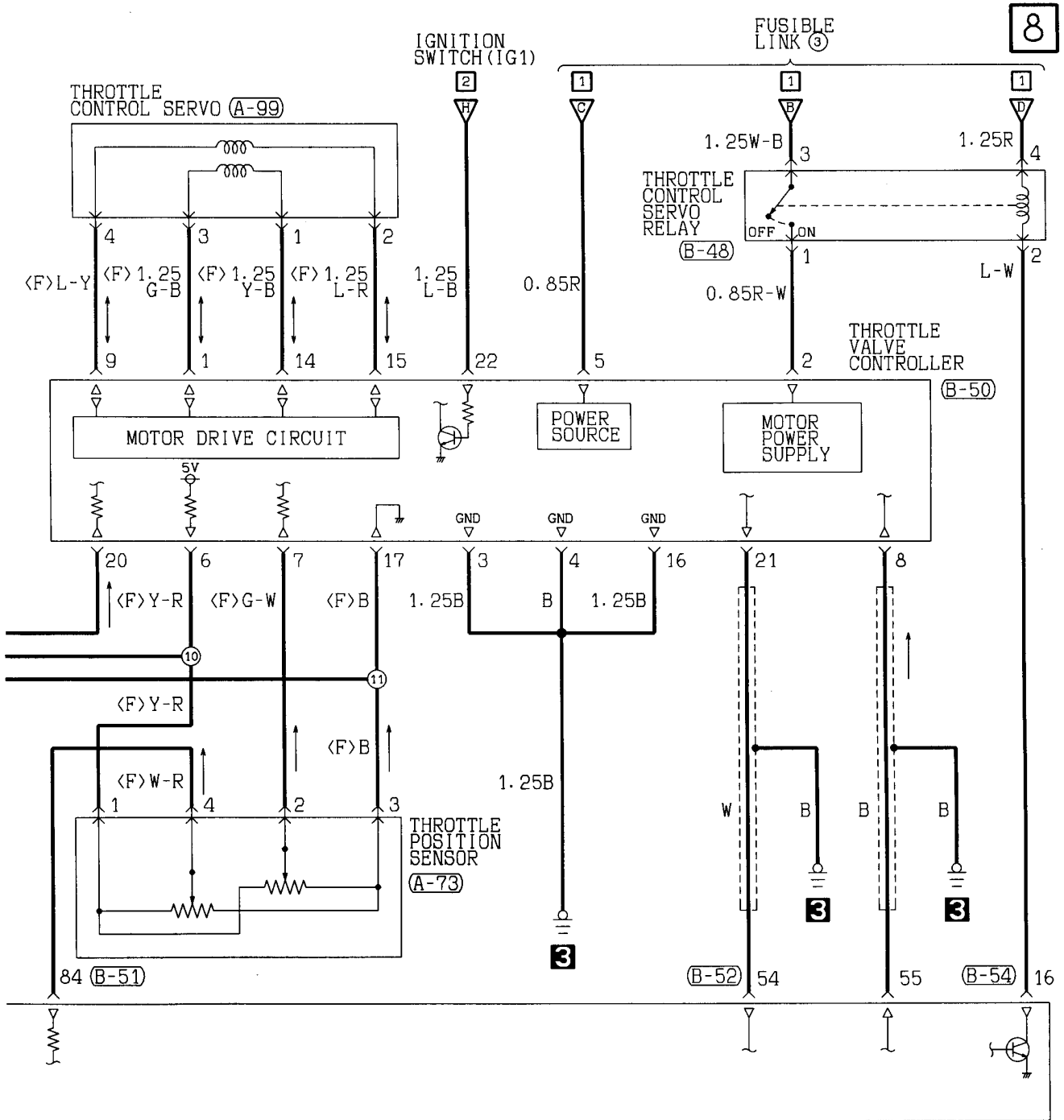
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

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

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE WAGON (L.H. drive vehicles))>  
(CONTINUED)







(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

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-65)

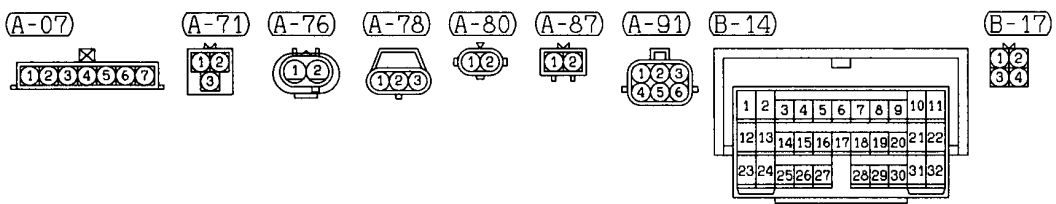
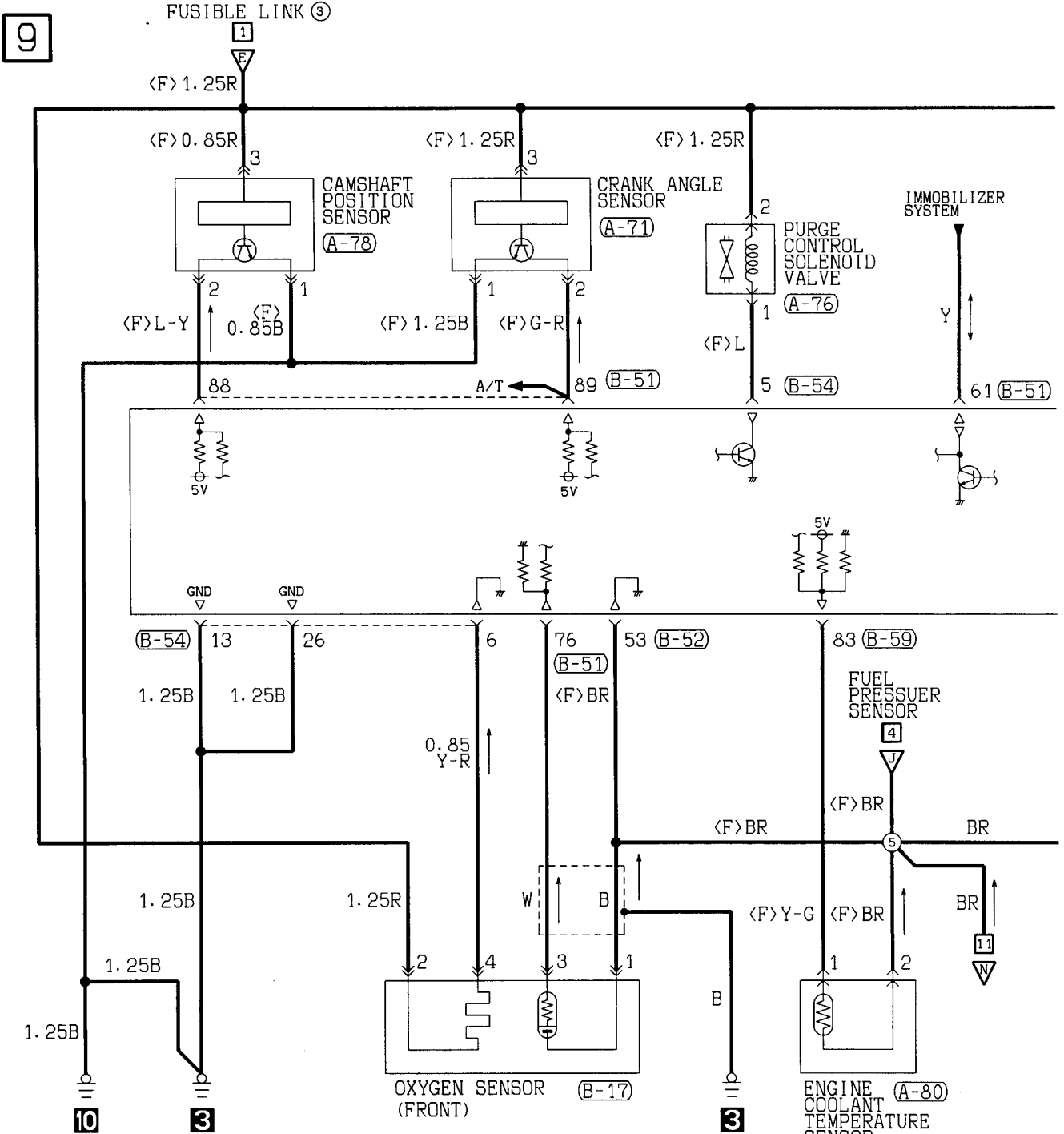
Refer to P. 4-122

(B-66)

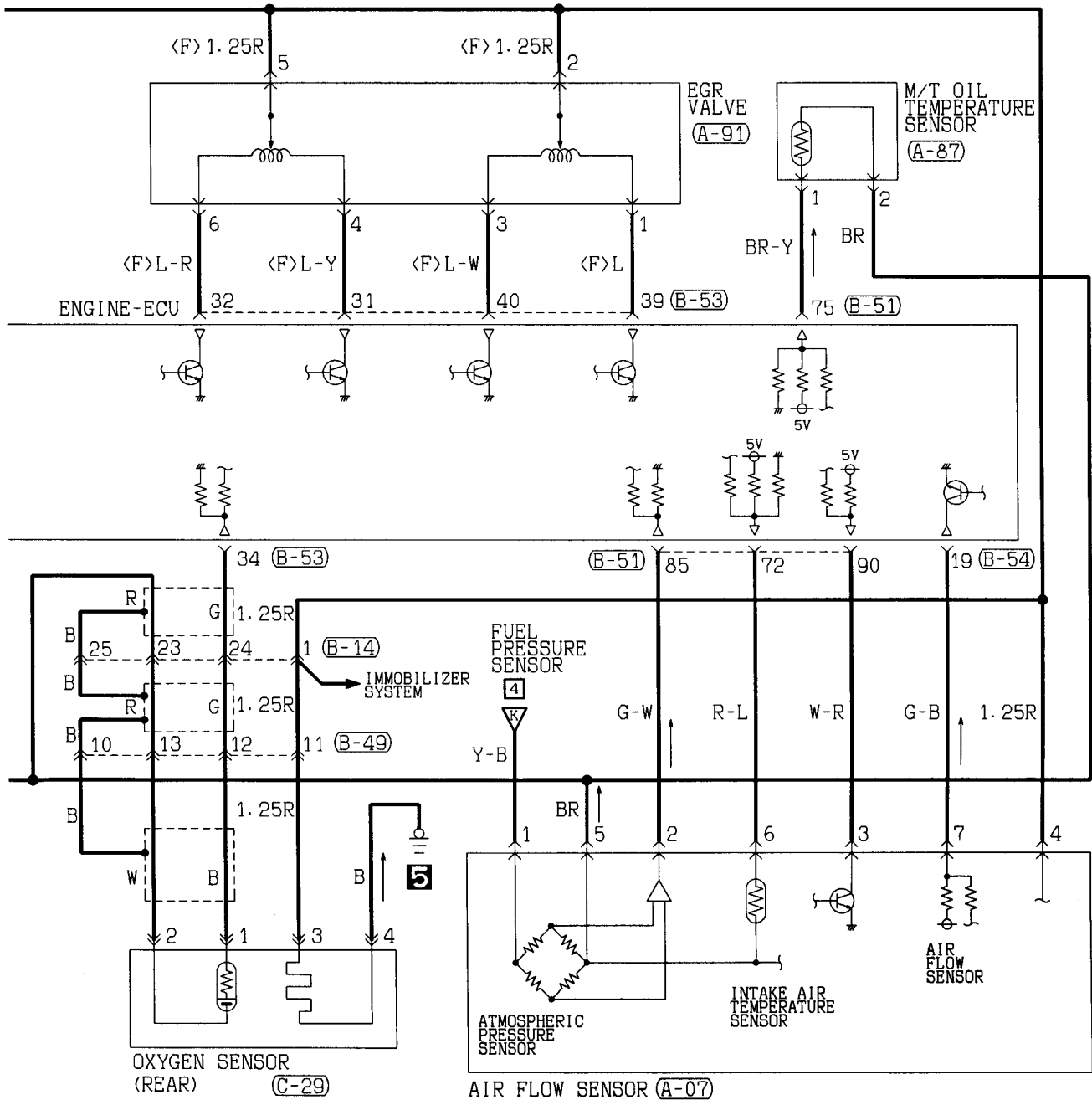
Refer to P. 4-122

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

ENGINE CONTROL SYSTEM <4G64-GDI (SPACE WAGON (L.H. drive vehicles))>  
(CONTINUED)



10



(B-49)

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

(B-51)

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

(B-52)

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

(B-53)

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

(B-54)

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

(C-29)

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

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

LG : Light green  
 O : Orange  
 SB : Sky blue

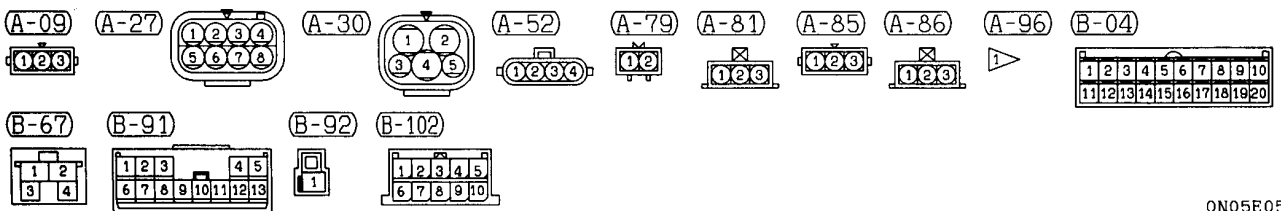
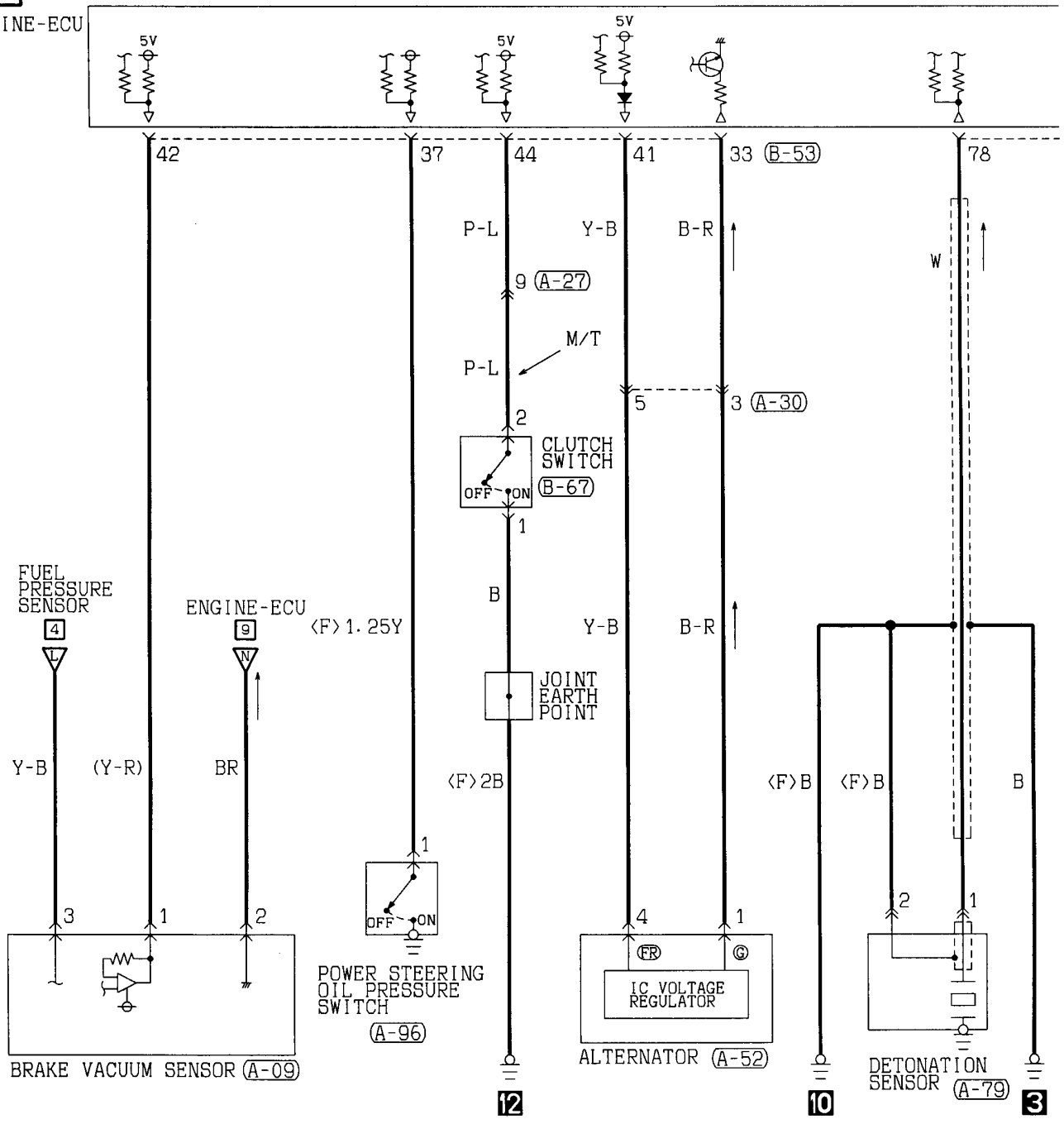
G : Green  
 GR : Gray  
 P : Pink

L : Blue  
 R : Red  
 Y : Yellow

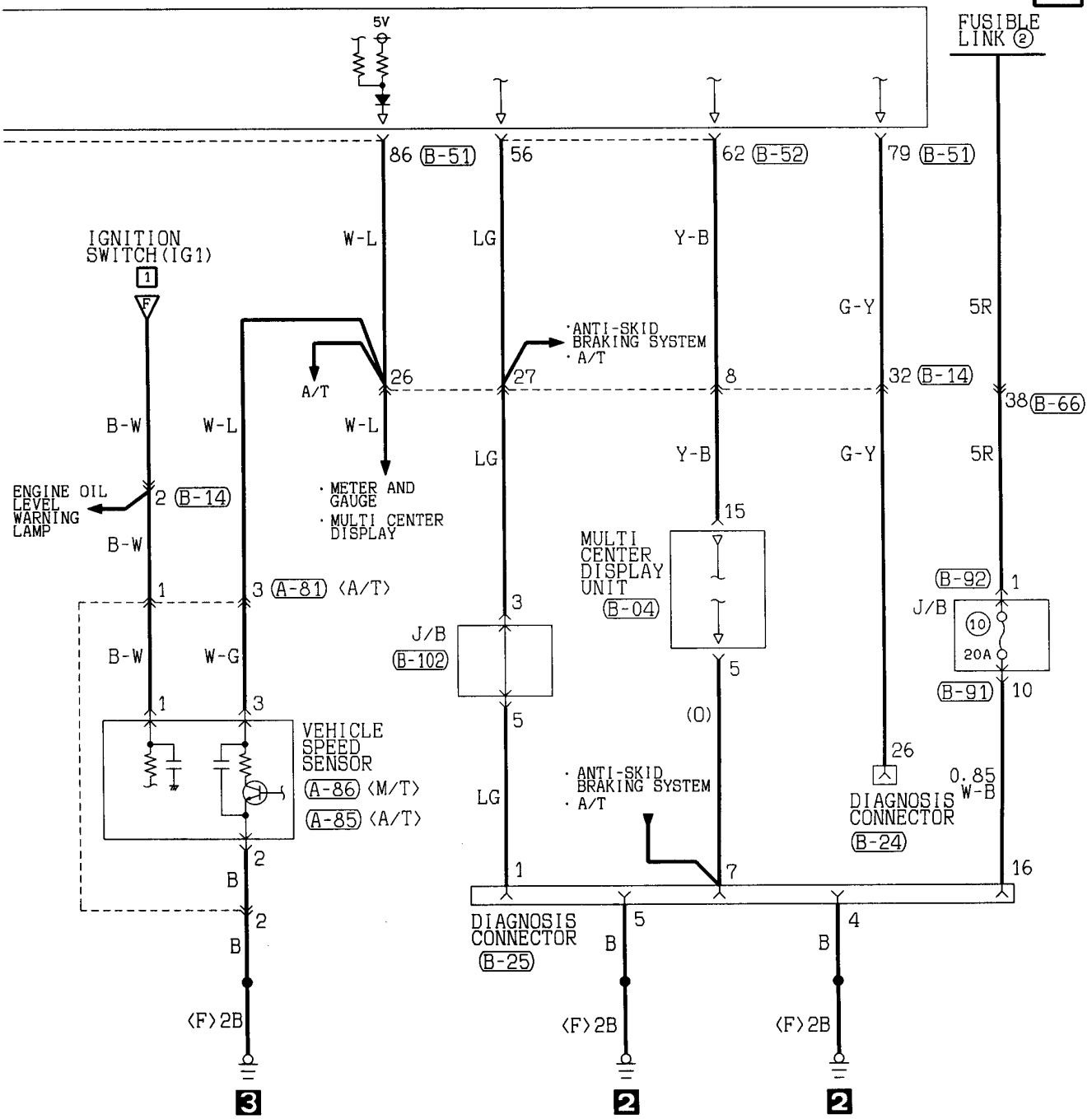
ENGINE CONTROL SYSTEM <4G64-GDI (SPACE WAGON (L.H. drive vehicles))>  
(CONTINUED)

11

ENGINE-ECU



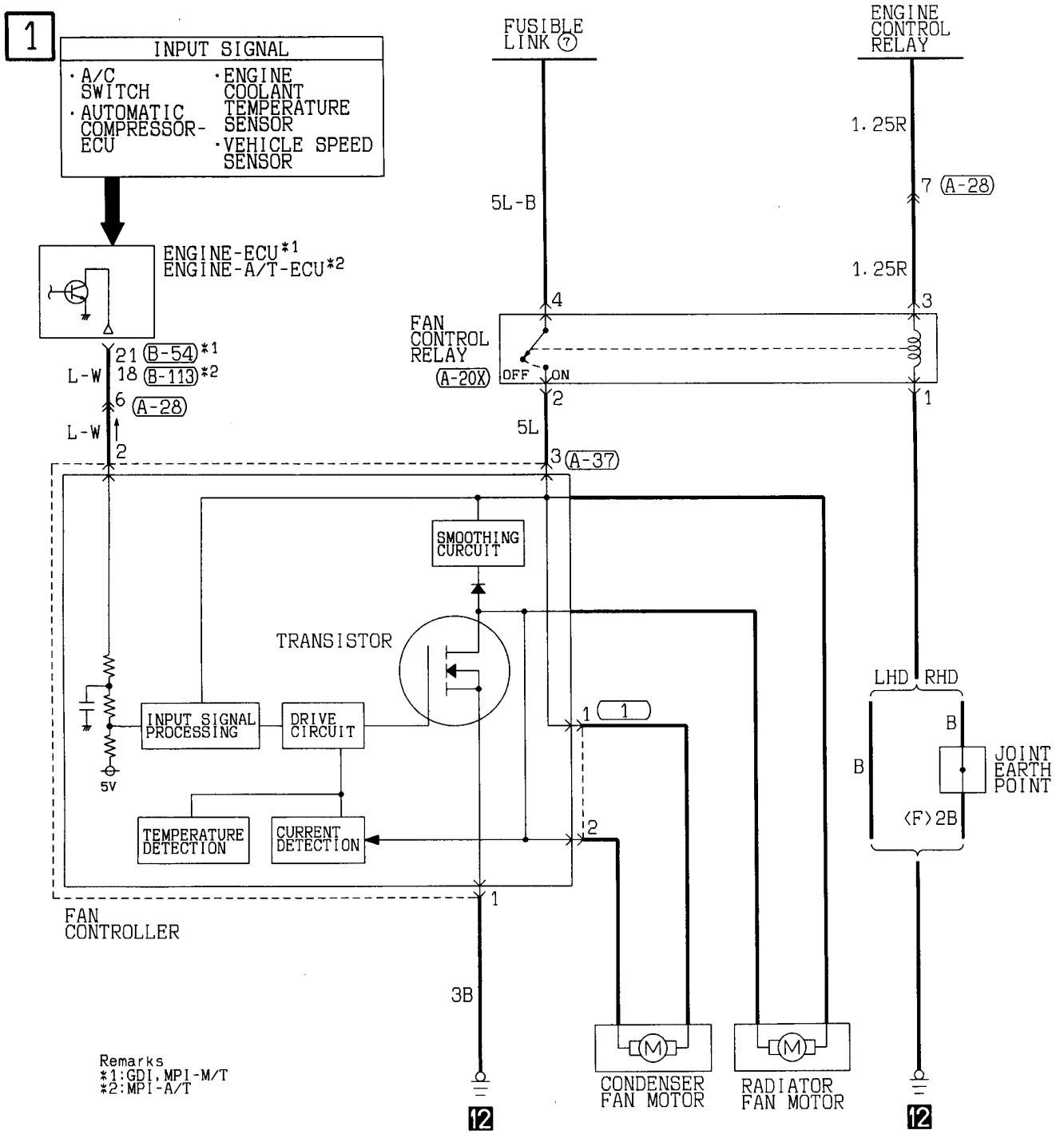
12



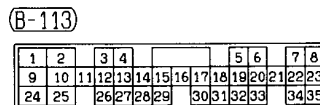
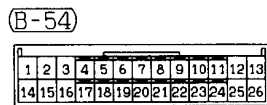
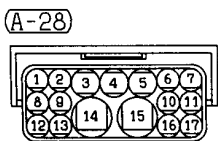
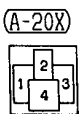
(B-14)	(B-24) FRONT SIDE	(B-25) FRONT SIDE	(B-51)	(B-52)	(B-53)	(B-66)																																																																														
Refer to P. 4-122	<table border="1"> <tr><td>25</td><td>24</td><td>23</td><td>22</td><td>21</td></tr> <tr><td>32</td><td>31</td><td>30</td><td>29</td><td>28</td><td>27</td><td>26</td></tr> </table>	25	24	23	22	21	32	31	30	29	28	27	26	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	<table border="1"> <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 border="1"> <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 border="1"> <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	Refer to P. 4-122
25	24	23	22	21																																																																																
32	31	30	29	28	27	26																																																																														
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																																																																															
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    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

COOLING SYSTEM



Remarks  
 \*1: GDI, MPI-M/T  
 \*2: MPI-A/T



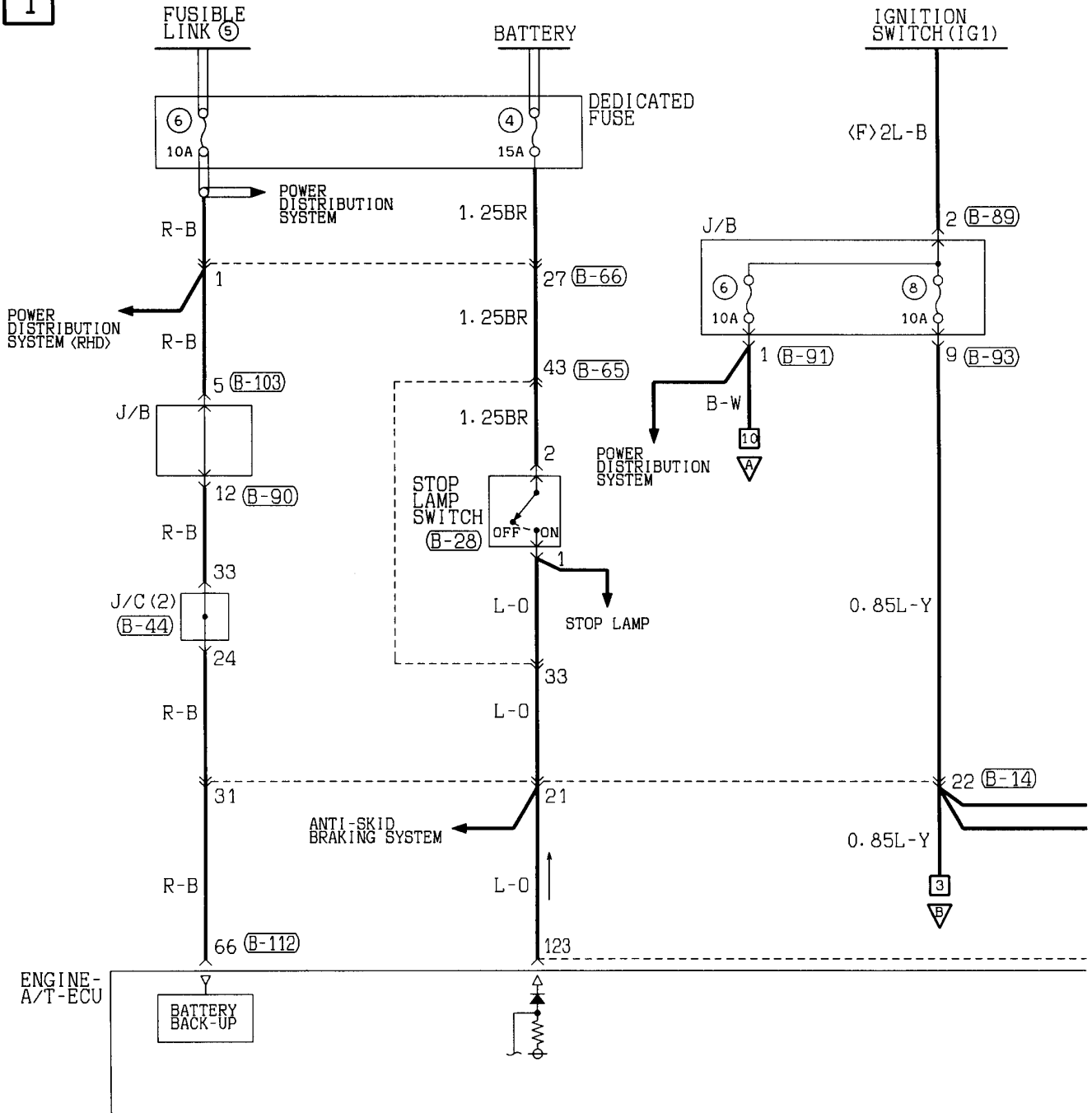
Wire colour code  
 B : Black      LG : Light green      G : Green      L : Blue  
 BR : Brown    O : Orange            GR : Gray      R : Red  
 W : White      SB : Sky blue          P : Pink        Y : Yellow  
 V : Violet

NOTES

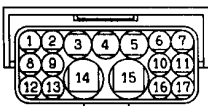
INVECS-II 4A/T

MPI

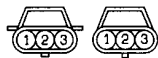
1



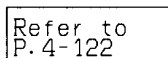
(A-28)



(A-82) (A-90)



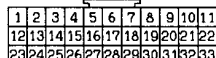
(B-14)



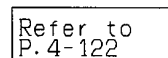
(B-28)



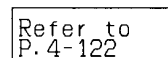
(B-44)



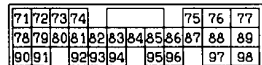
(B-65)



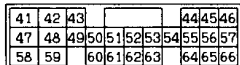
(B-66)



(B-111)

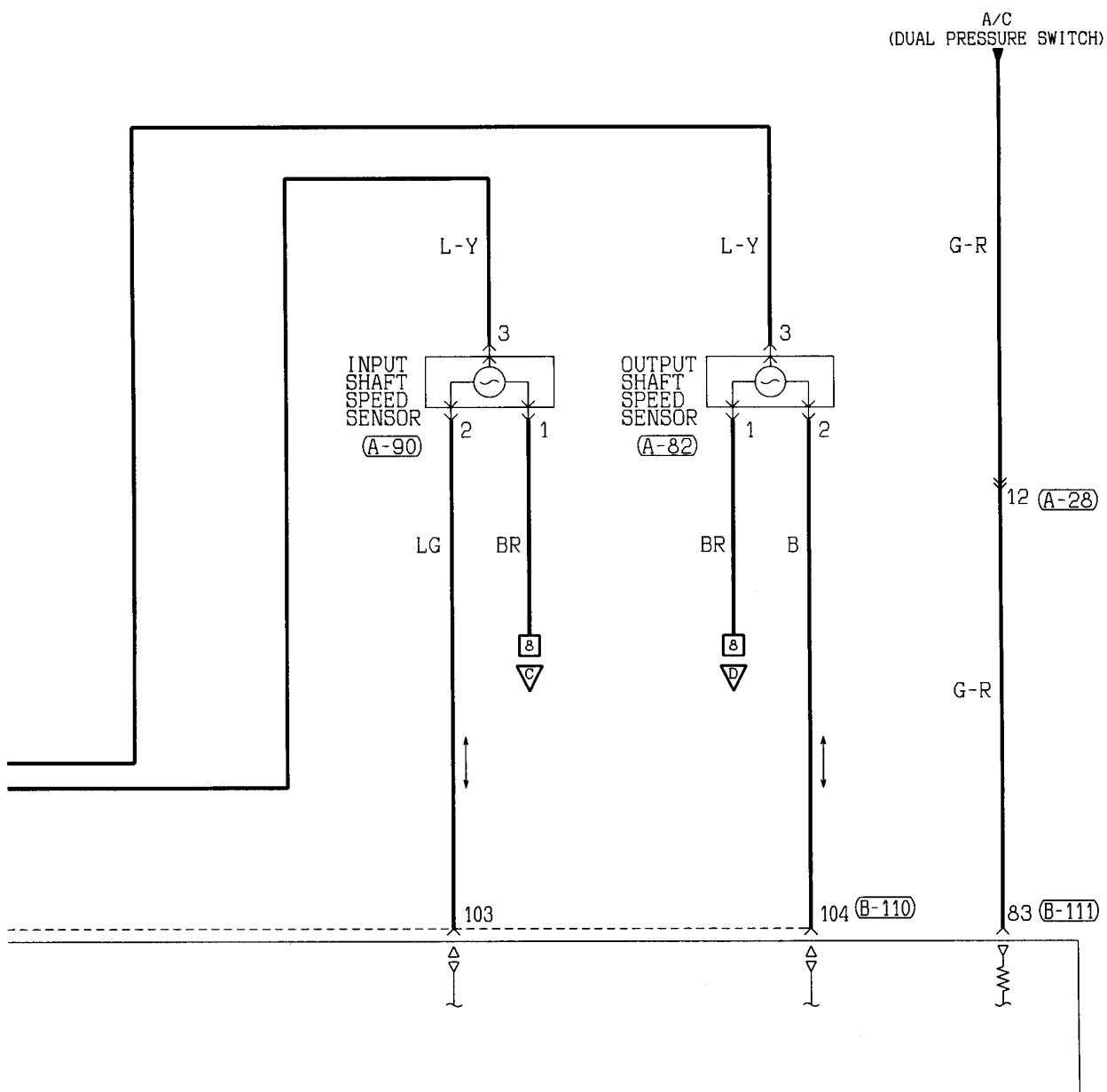


(B-112)





2



(B-89)

1	2
3	4
5	6

(B-90)

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

(B-91)

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

(B-93)

1	2	3	4
5	6	7	8
9	10	11	

(B-103)

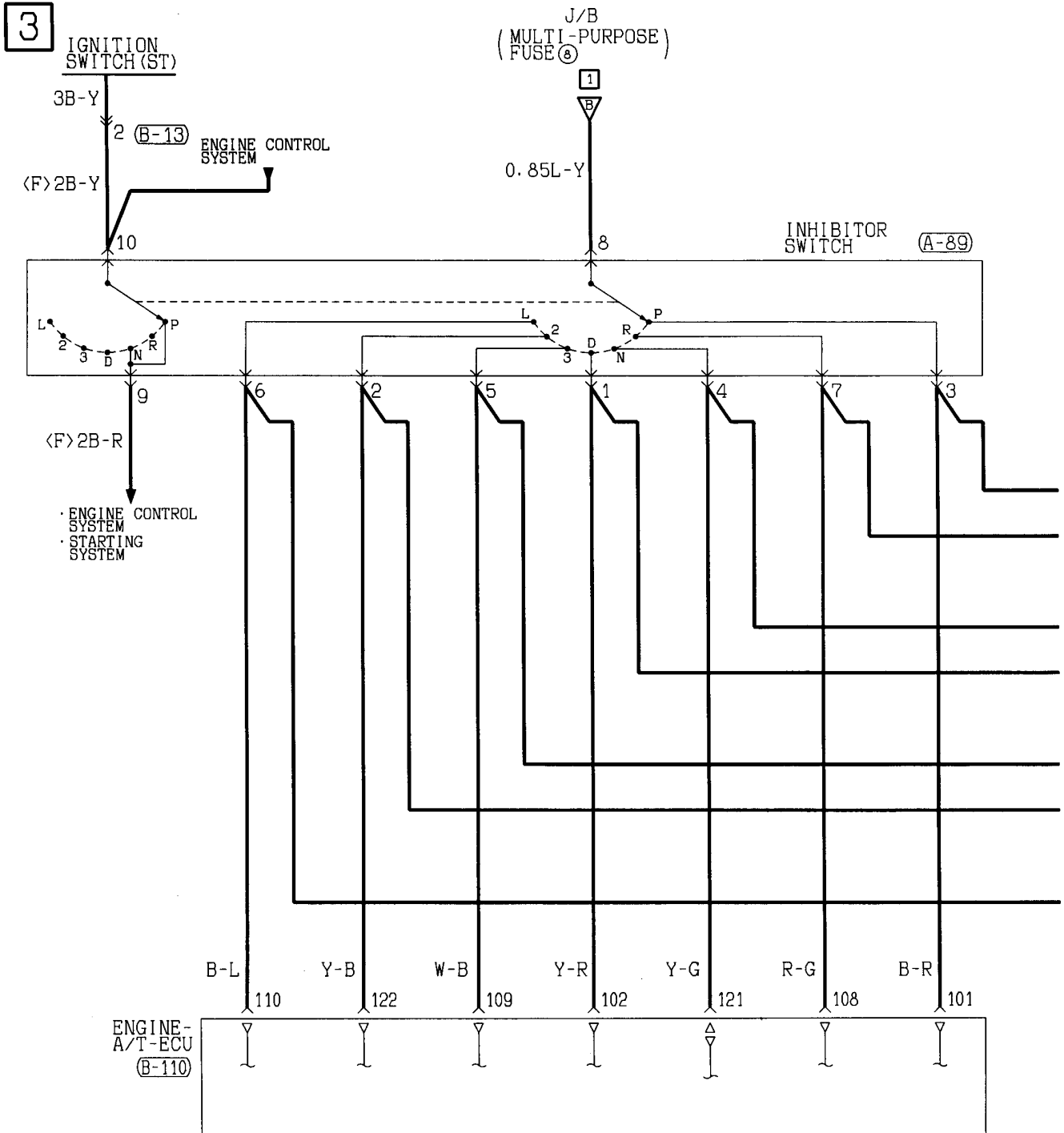
1	2
3	4
5	6
7	8

(B-110)

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				

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

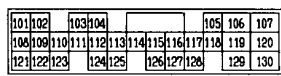
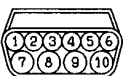
INVECS-II 4A/T <MPI> (CONTINUED)



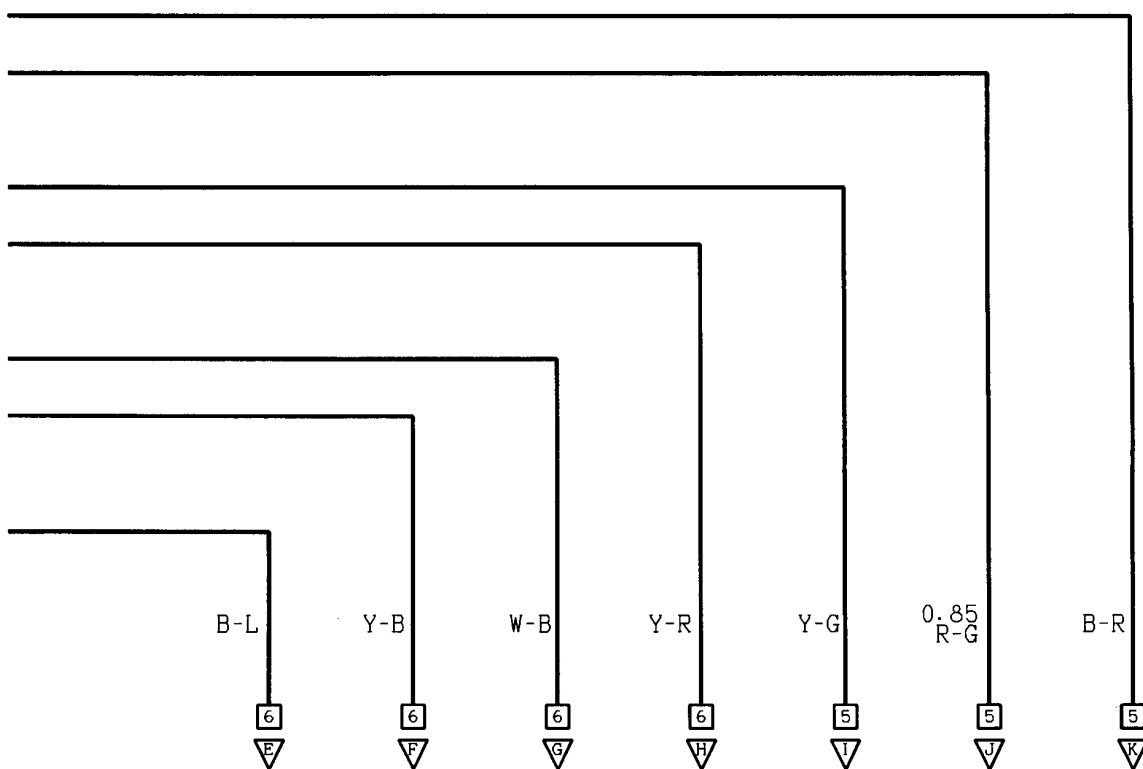
(A-89)

(B-13)

(B-110)



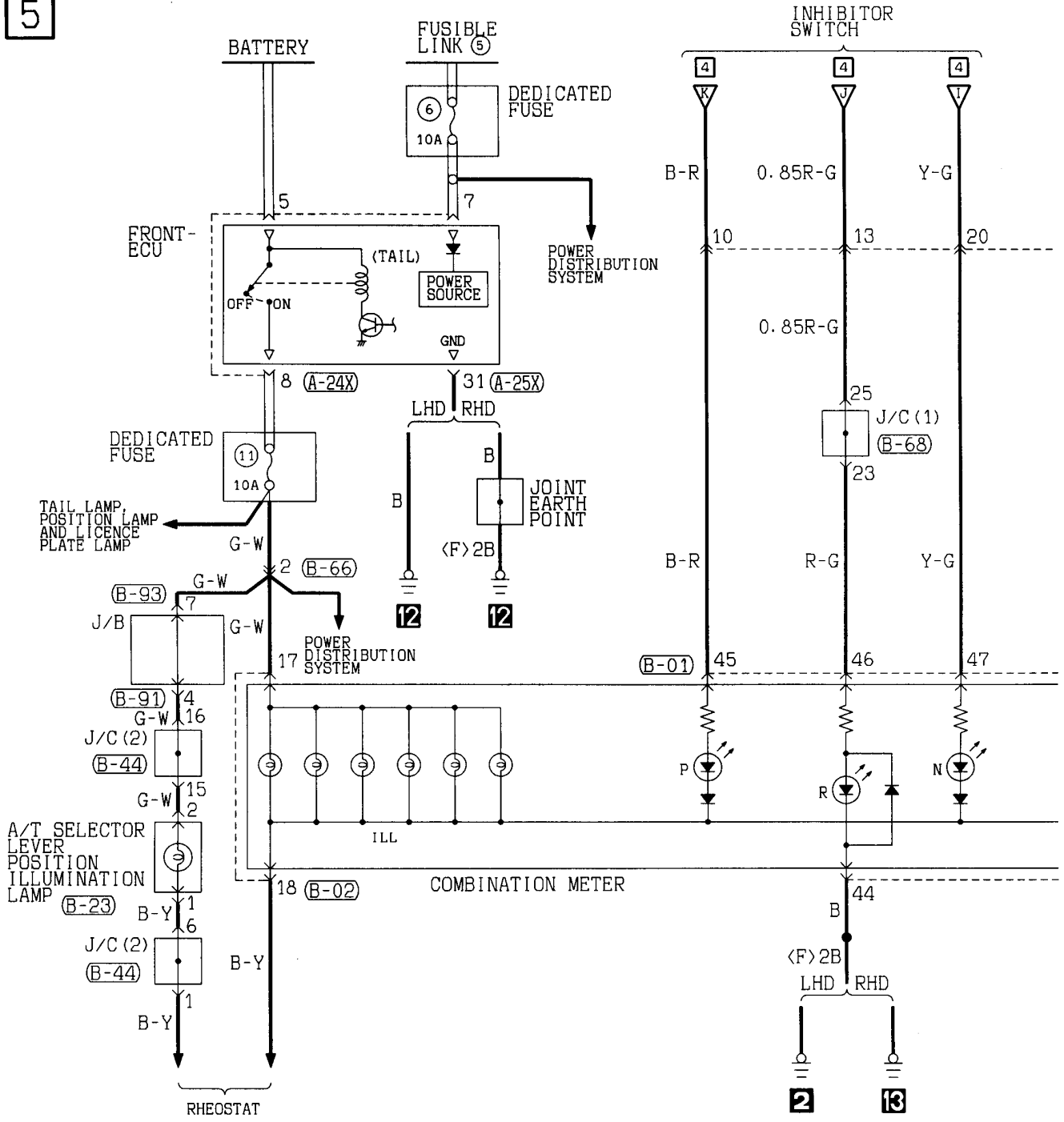
4



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

INVECS-II 4A/T <MPI> (CONTINUED)

5



(A-24X)

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

(A-25X)

2	12	23	24	25	26	27	28	29	30	31
---	----	----	----	----	----	----	----	----	----	----

(B-01)

3	13	32	33	34	35	36	37	38
---	----	----	----	----	----	----	----	----

(B-02)

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

(B-14)

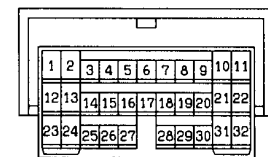
1	2	3	4	5	6	7	8	9	10	11
---	---	---	---	---	---	---	---	---	----	----

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

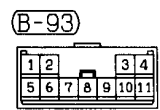
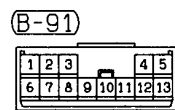
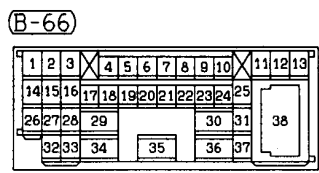
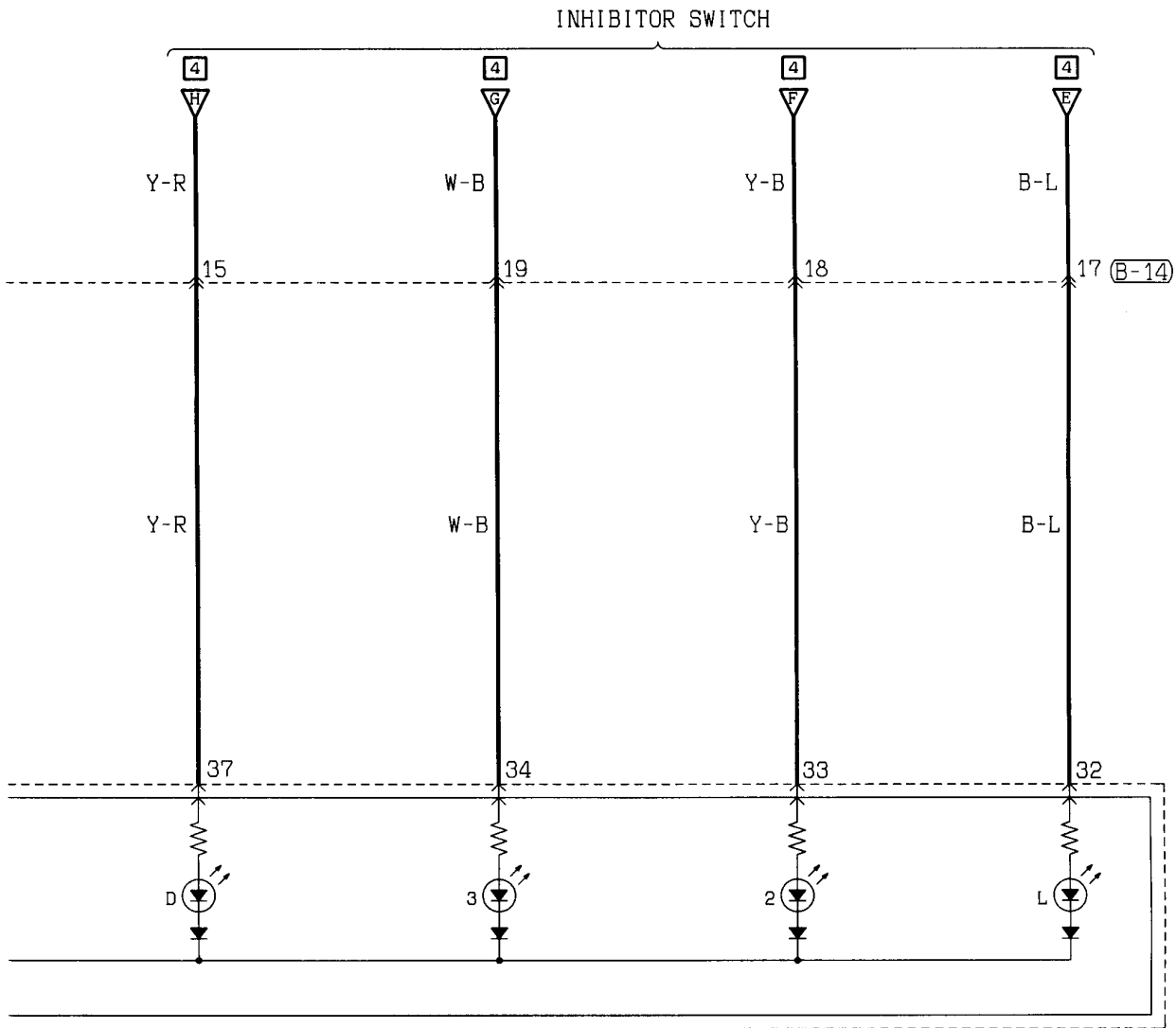
code  
 LG : Light green  
 O : Orange  
 SB : Sky blue

G : Green  
 GR : Gray  
 P : Pink

L : Blue  
 R : Red  
 Y : Yellow

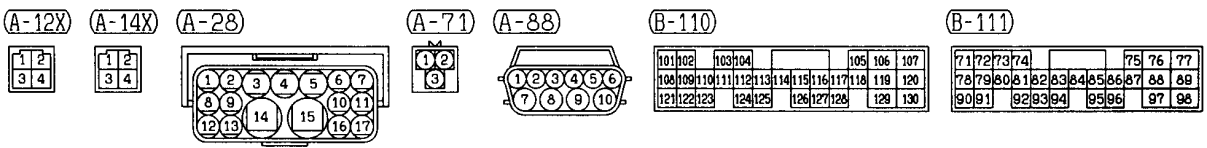
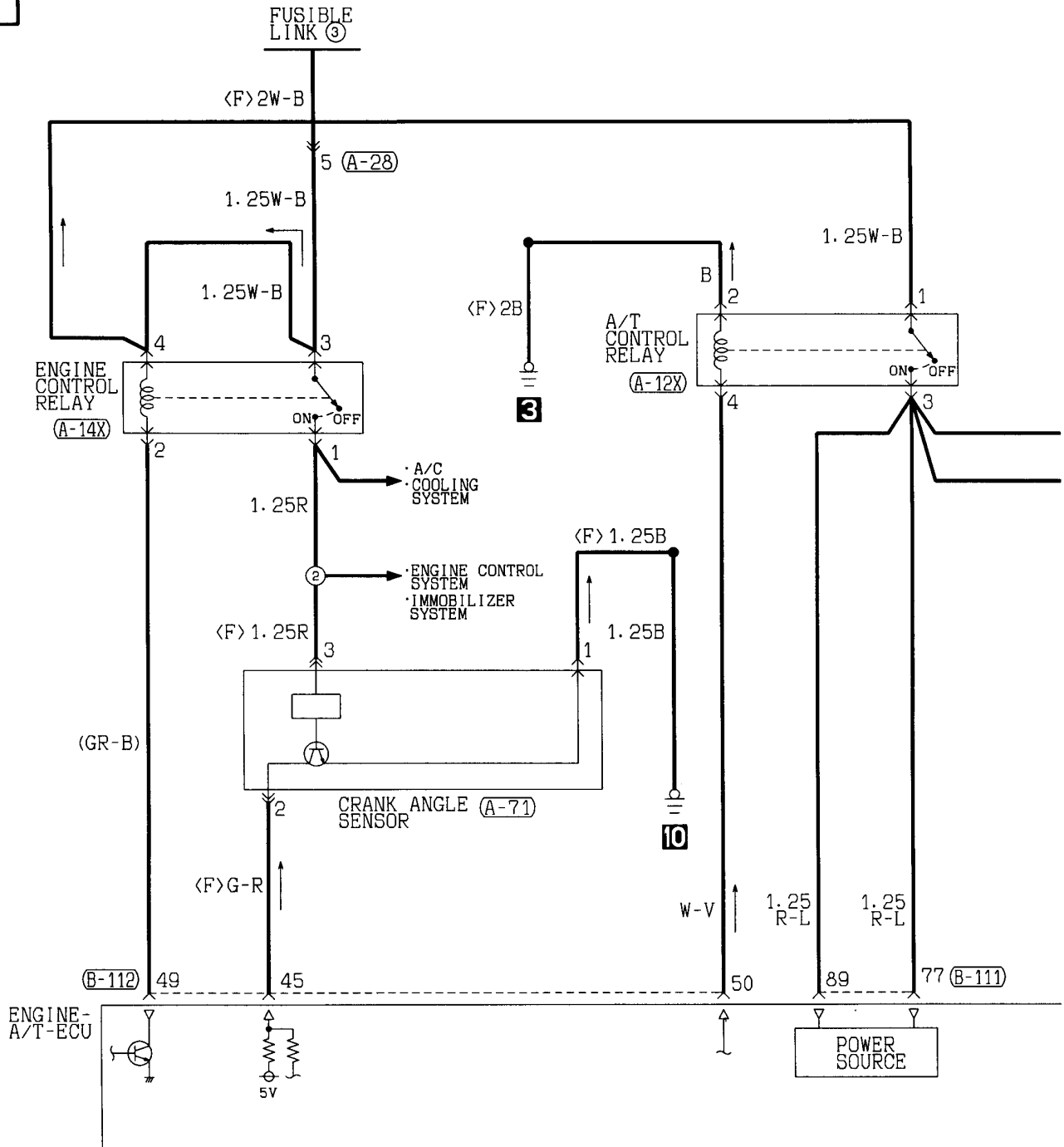


6



INVECS-II 4A/T <MPI> (CONTINUED)

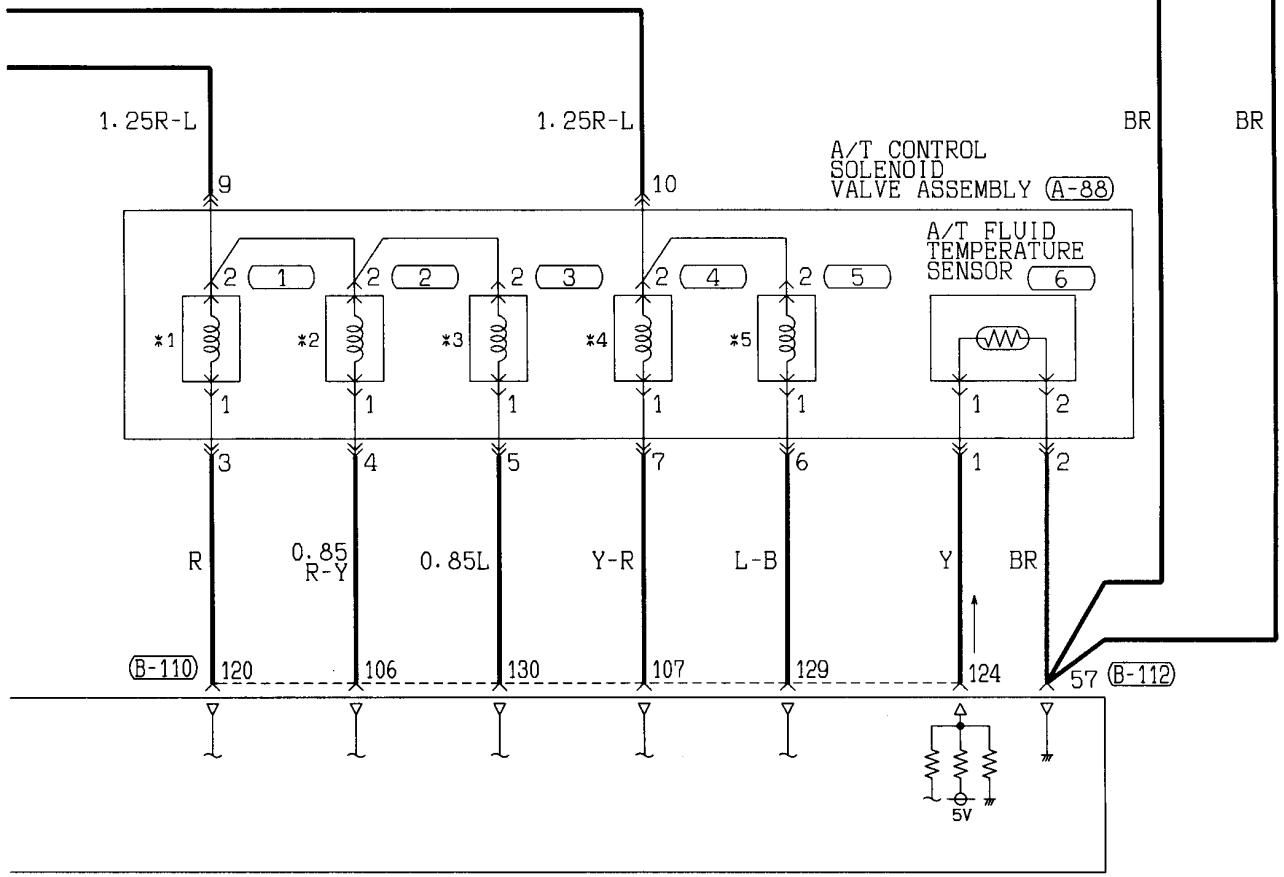
7



8

Remarks  
 \*1: UNDERDRIVE SOLENOID VALVE  
 \*2: SECOND SOLENOID VALVE  
 \*3: OVERDRIVE SOLENOID VALVE  
 \*4: DAMPER CLUTCH CONTROL SOLENOID VALVE  
 \*5: LOW AND REVERSE SOLENOID VALVE

INPUT SHAFT SPEED SENSOR (2)  
 OUTPUT SHAFT SPEED SENSOR (2)



(B-112)

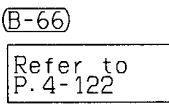
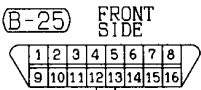
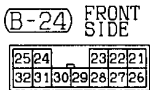
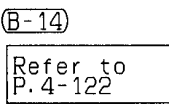
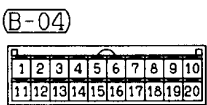
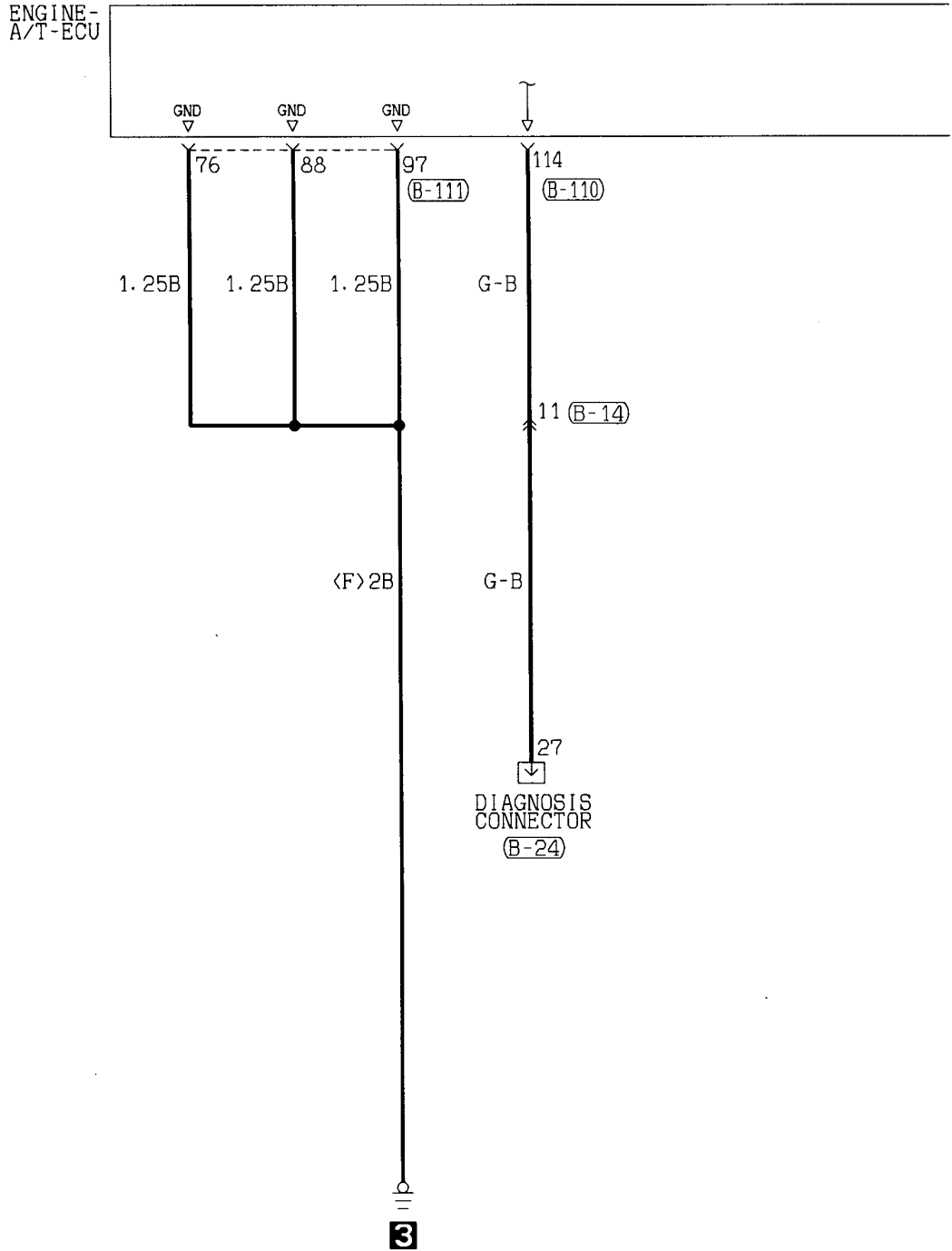
41	42	43		44	45	46
47	48	49	50	51	52	53
54	55	56	57	58	59	60
61	62	63	64	65	66	

1 2 3 4 5 6

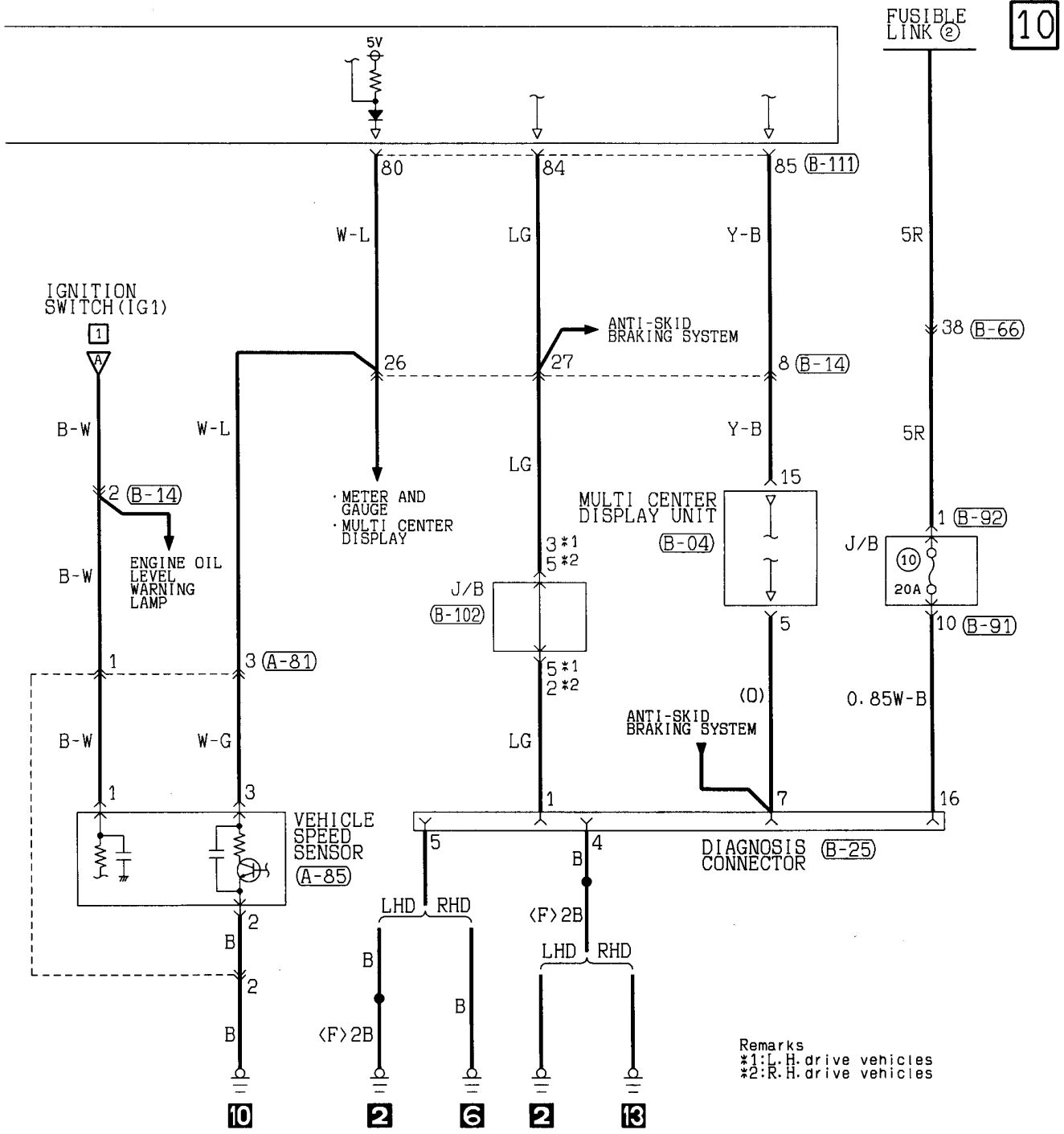
Wire colour code  
 B : Black LG: Light green G : Green L : Blue W : White Y : Yellow SB: Sky blue  
 BR: Brown O : Orange GR: Gray R : Red P : Pink V : Violet

INVECS-II 4A/T <MPI> (CONTINUED)

9







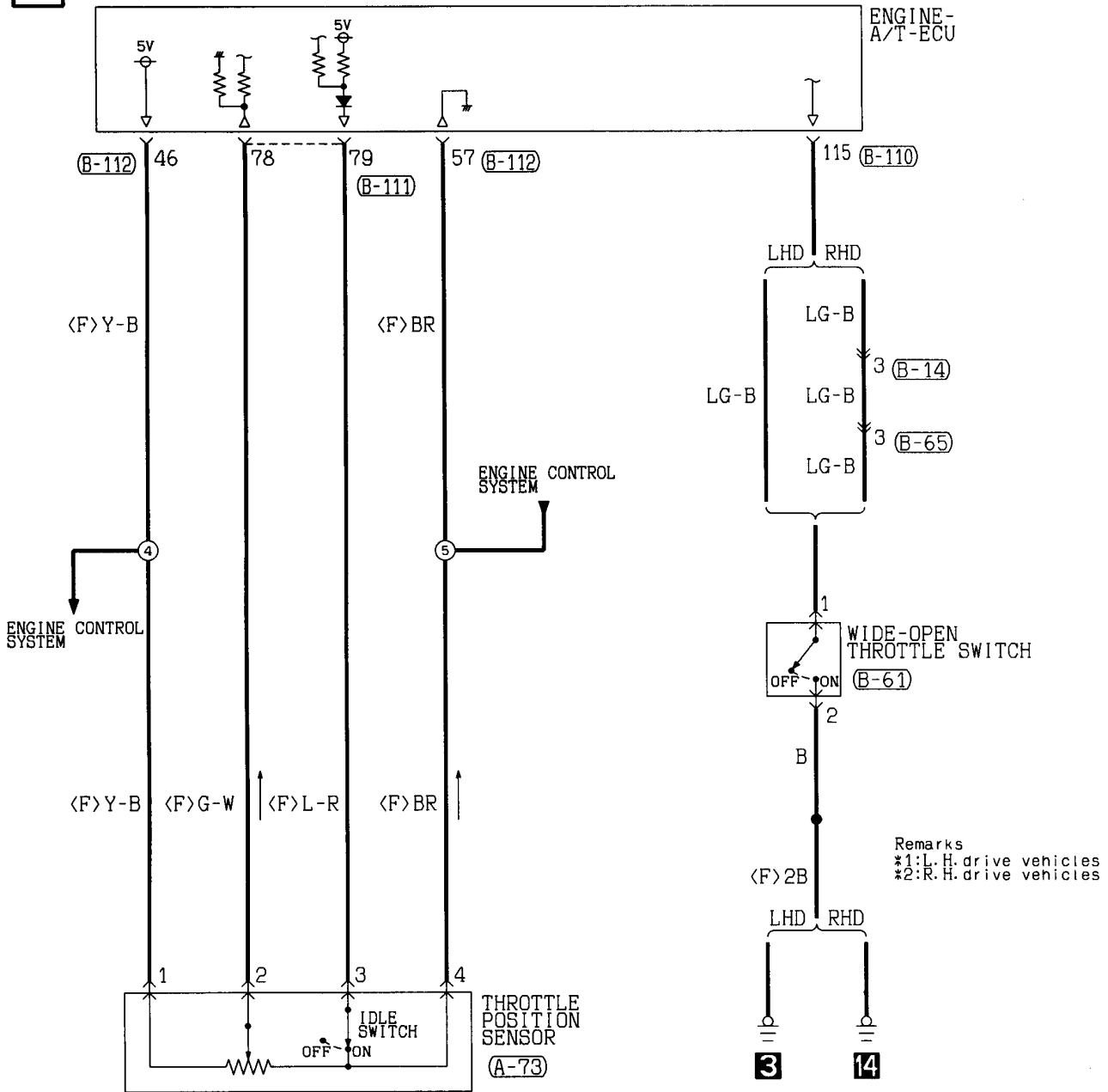
Remarks  
 \*1: L.H. drive vehicles  
 \*2: R.H. drive vehicles

(B-91)	(B-92)	(B-102)	(B-110)	(B-111)																																																																															
<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	<table border="1"> <tr><td>1</td></tr> </table>	1	<table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	<table border="1"> <tr><td>101</td><td>102</td><td>103</td><td>104</td><td>105</td><td>106</td><td>107</td></tr> <tr><td>108</td><td>109</td><td>110</td><td>111</td><td>112</td><td>113</td><td>114</td><td>115</td><td>116</td><td>117</td><td>118</td><td>119</td><td>120</td></tr> <tr><td>121</td><td>122</td><td>123</td><td>124</td><td>125</td><td>126</td><td>127</td><td>128</td><td>129</td><td>130</td></tr> </table>	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	<table border="1"> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td></tr> <tr><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td></tr> <tr><td>90</td><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</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	93	94	95	96	97	98
1	2	3	4	5																																																																															
6	7	8	9	10																																																																															
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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																																																																											

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

INVECS-II 4A/T <MPI> (CONTINUED)

11

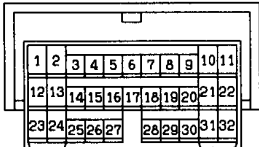


Remarks  
 \*1:L.H.drive vehicles  
 \*2:R.H.drive vehicles

(A-73)



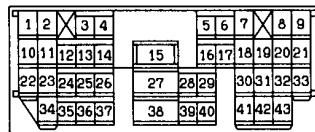
(B-14)



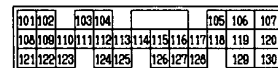
(B-61)



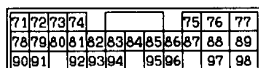
(B-65)



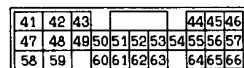
(B-110)



(B-111)



(B-112)



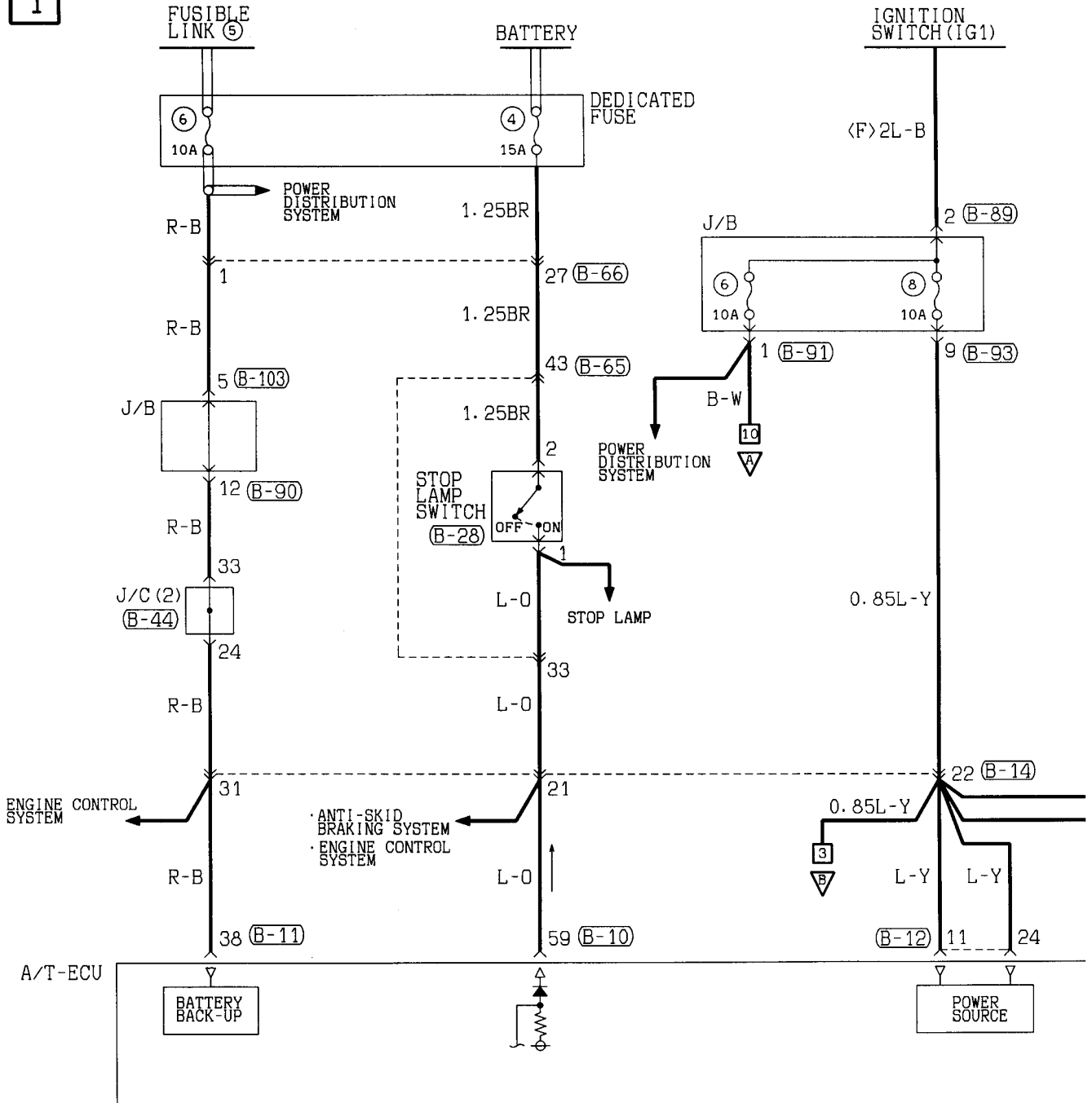
Wire colour code  
 B : Black LG: Light green G : Green L : Blue  
 BR: Brown O : Orange GR: Gray R : Red  
 W : White SB: Sky blue P : Pink Y : Yellow  
 V : Violet

NOTES

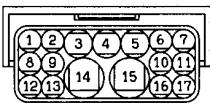
INVECS-II 4A/T

GDI <SPACE RUNNER>

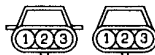
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(A-28)



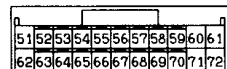
(A-82)



(A-90)



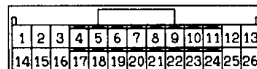
(B-10)



(B-11)

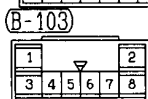
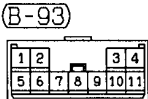


(B-12)

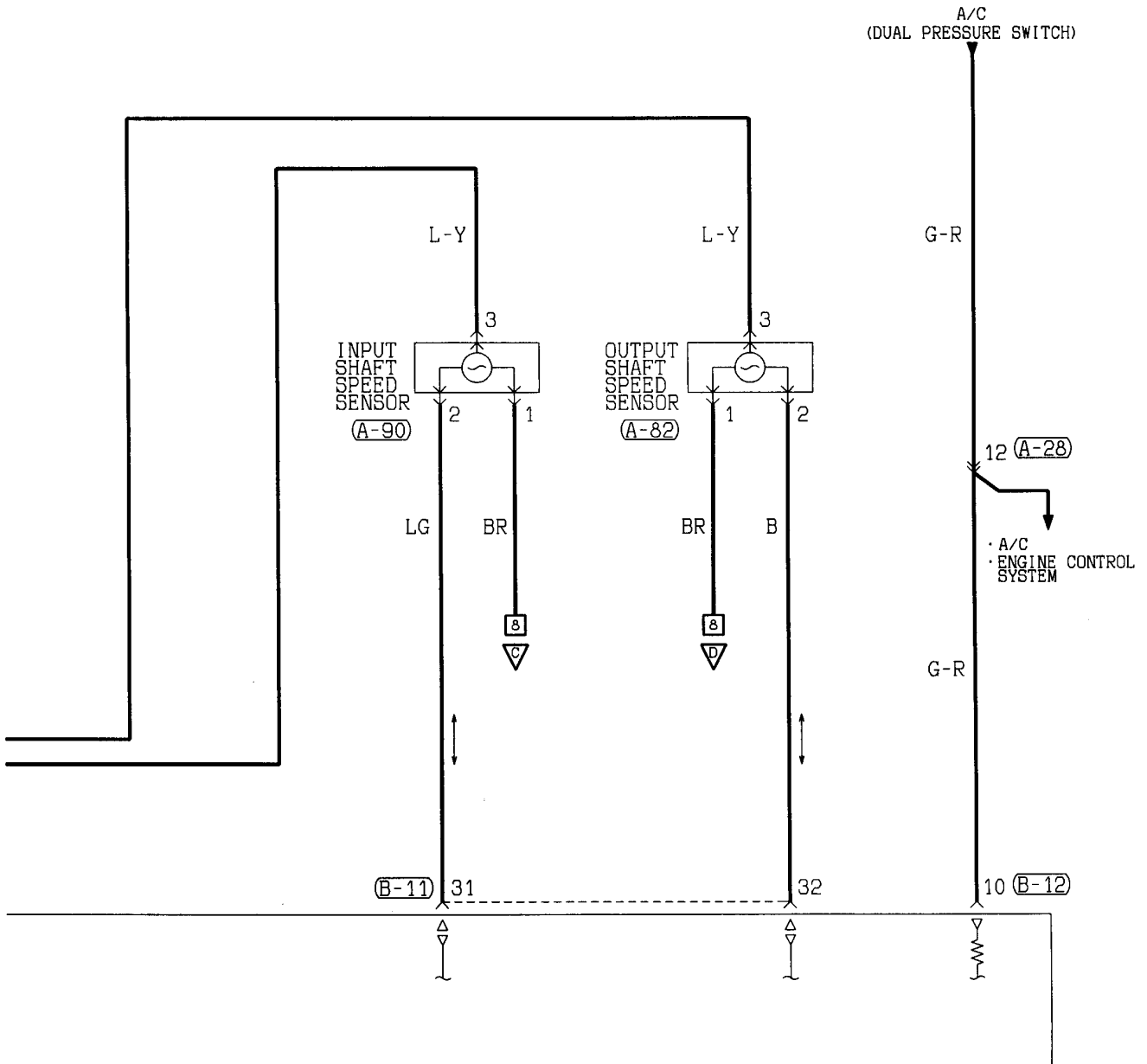


(B-14)

Refer to P. 4-122



2



(B-28)



(B-44)



(B-65)

Refer to P. 4-122

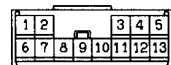
(B-66)

Refer to P. 4-122

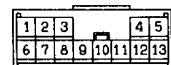
(B-89)



(B-90)



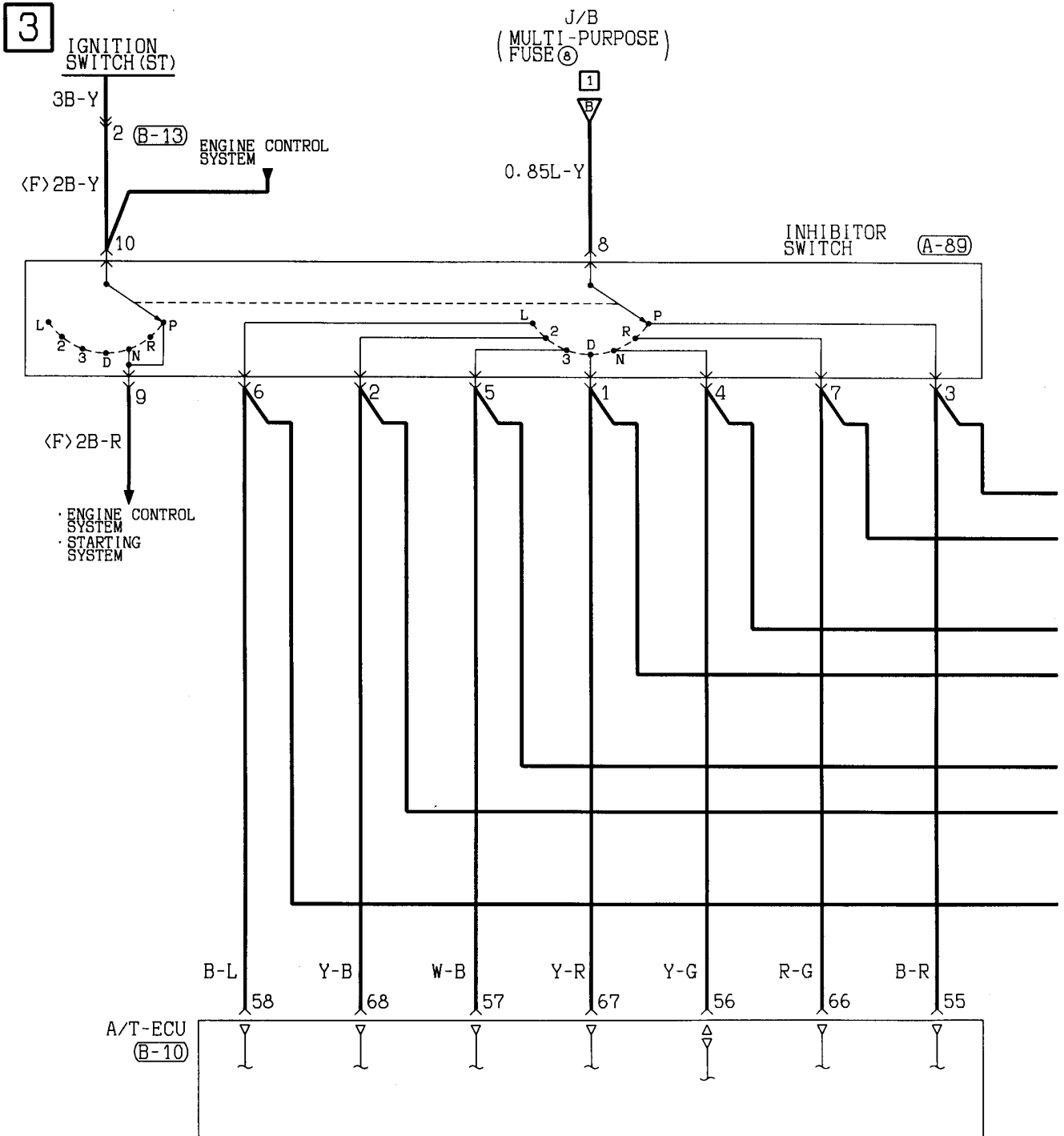
(B-91)



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

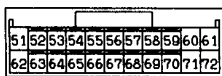
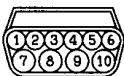
INVECS-II 4A/T <GDI (SPACE RUNNER)> (CONTINUED)



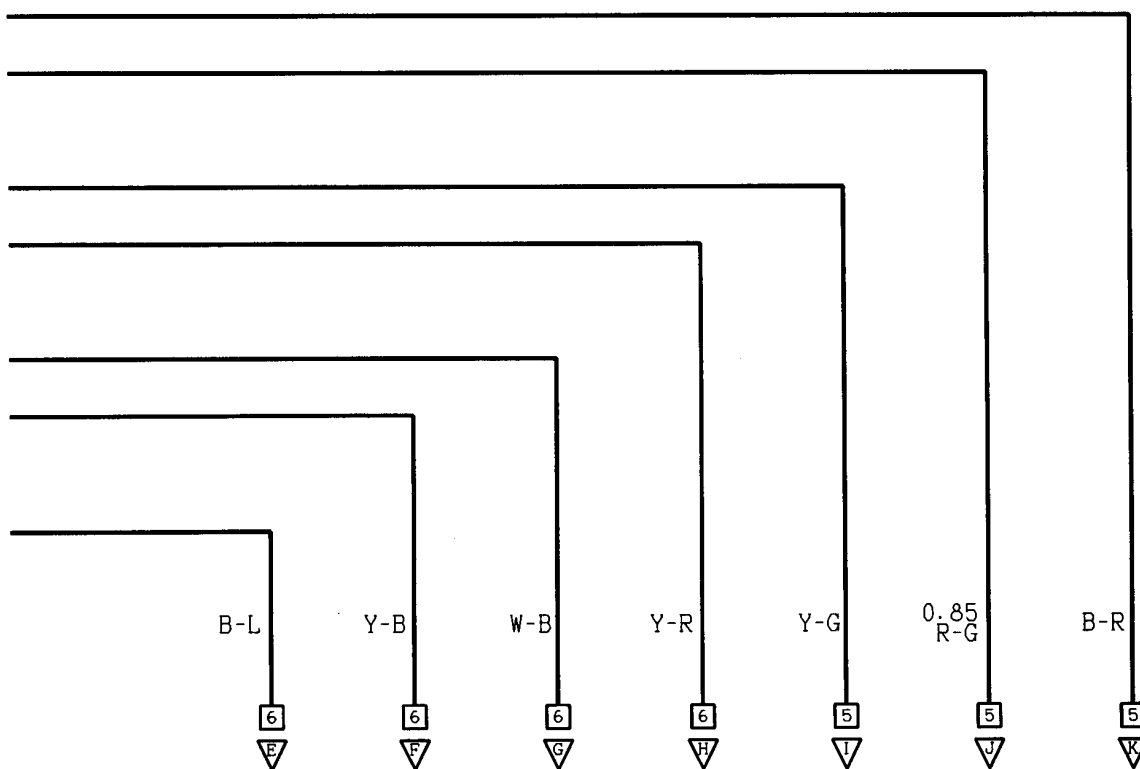
(A-89)

(B-10)

(B-13)



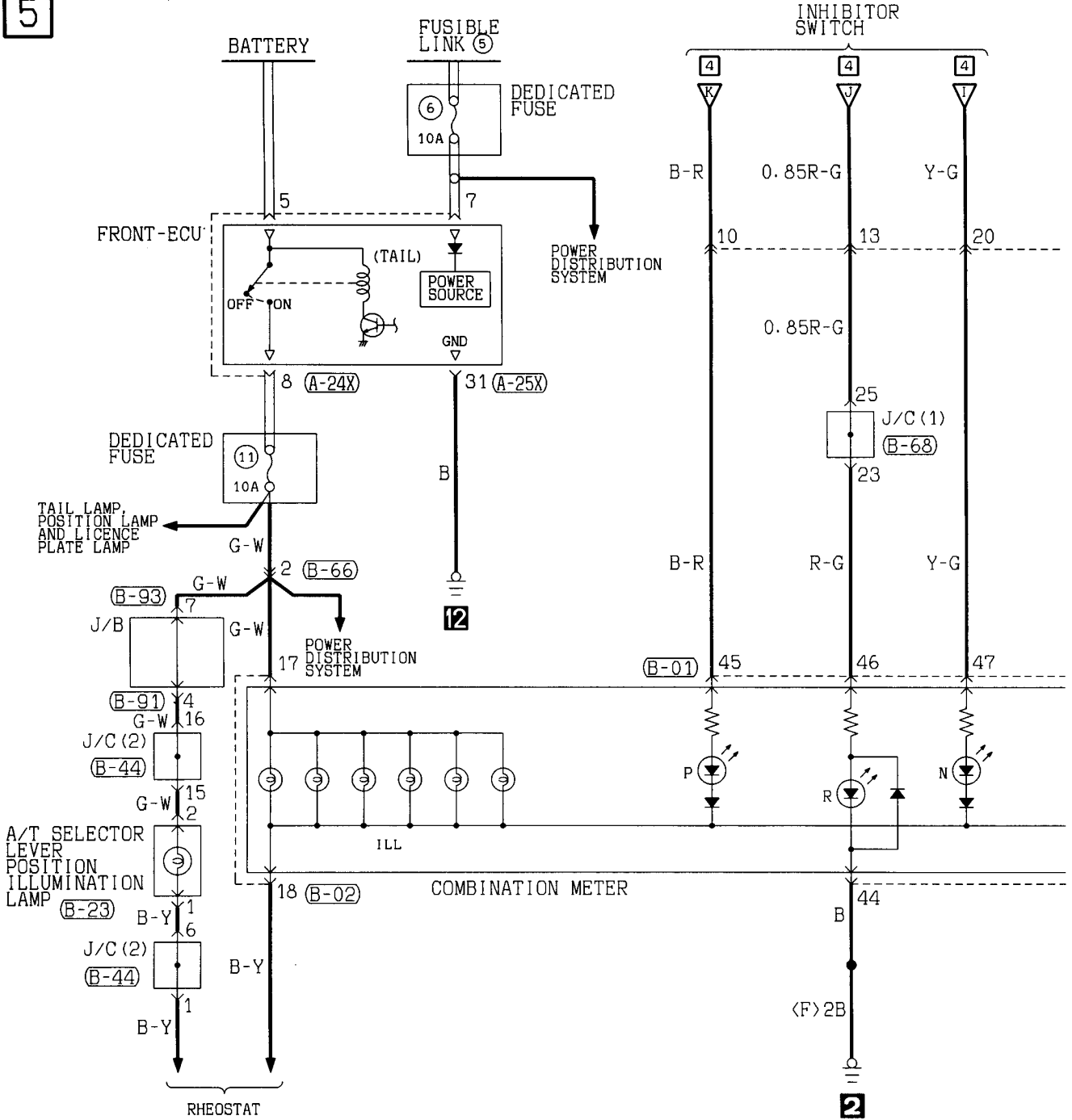
4



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

INVECS-II 4A/T <GDI (SPACE RUNNER)> (CONTINUED)

5



(A-24X)

1	2	3	4	5	6	7	8	9	10	11
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(A-25X)

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

(B-01)

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

(B-02)

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-14)

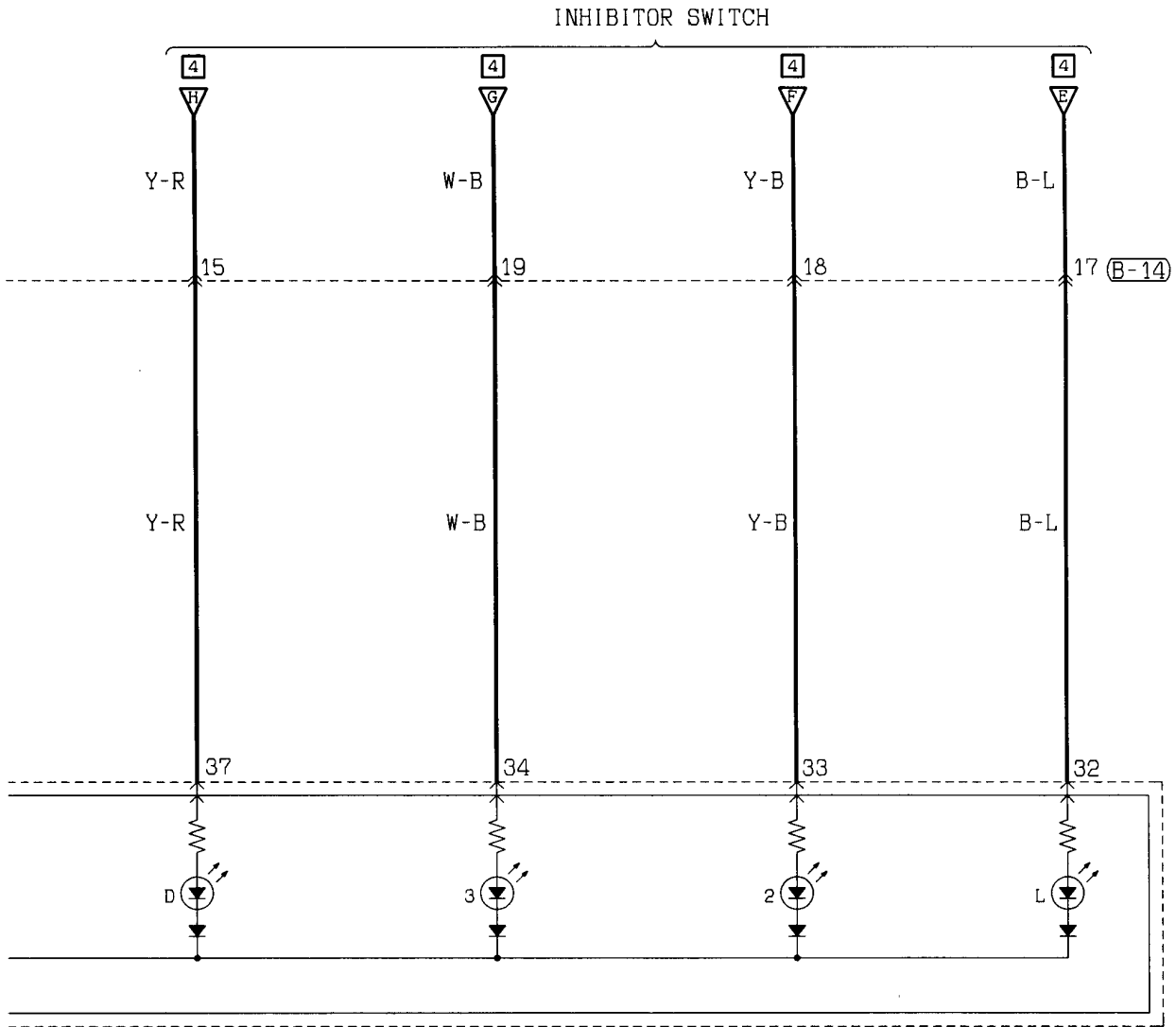
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	

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

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



6



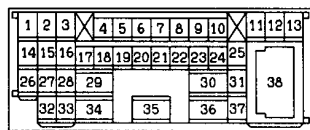
(B-23)



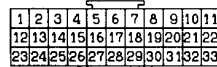
(B-44)



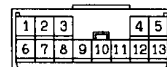
(B-66)



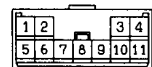
(B-68)



(B-91)

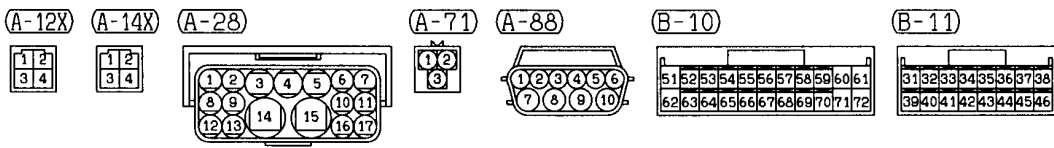
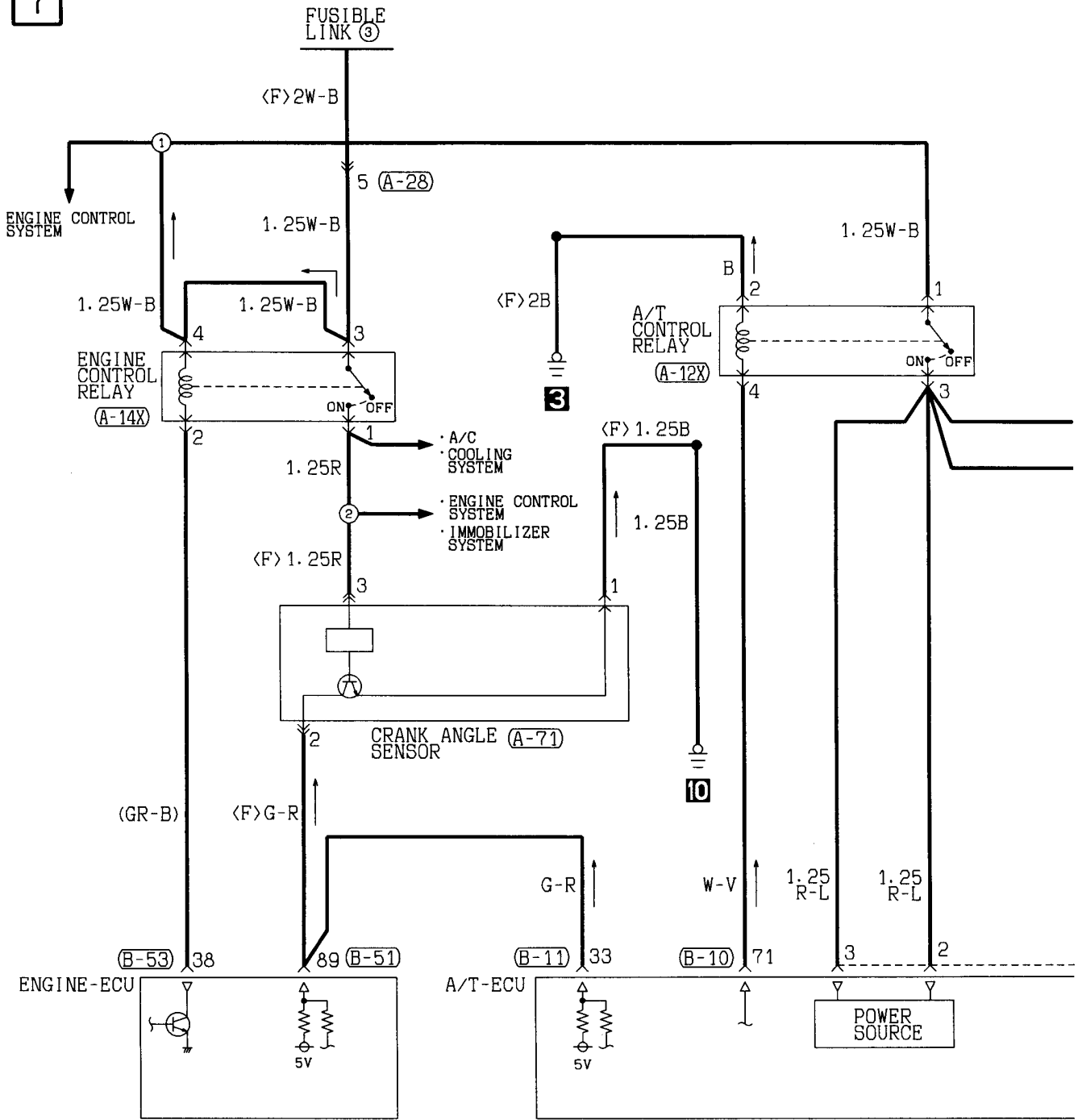


(B-93)



INVECS-II 4A/T <GDI (SPACE RUNNER)> (CONTINUED)

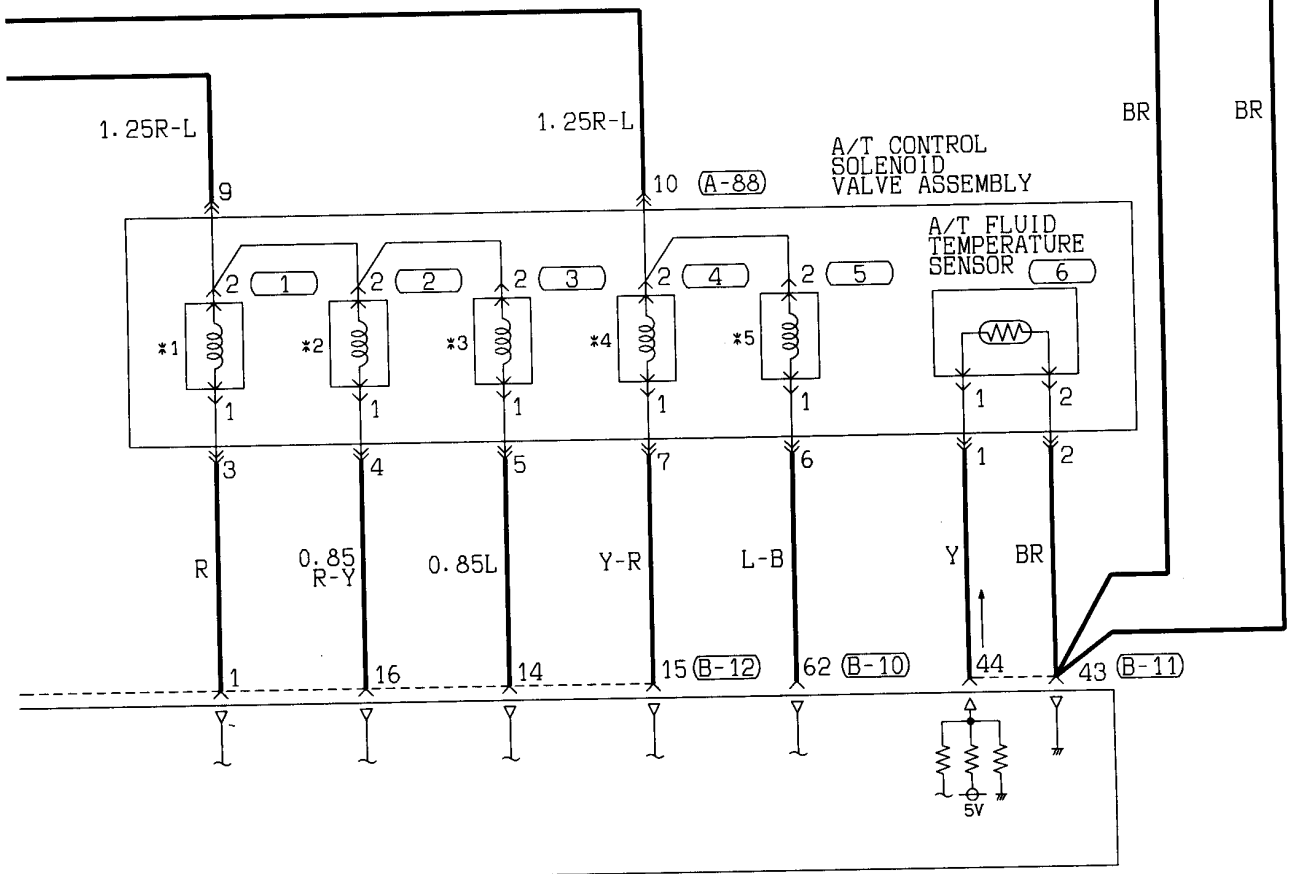
7



8

- Remarks
- \*1: UNDERDRIVE SOLENOID VALVE
  - \*2: SECOND SOLENOID VALVE
  - \*3: OVERDRIVE SOLENOID VALVE
  - \*4: DAMPER CLUTCH CONTROL SOLENOID VALVE
  - \*5: LOW AND REVERSE SOLENOID VALVE

INPUT SHAFT SPEED SENSOR (2)  
OUTPUT SHAFT SPEED SENSOR (2)



(B-12)

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

(B-51)

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

(B-53)

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

(1)

1
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(2)

1
---

(3)

1
---

(4)

1
---

(5)

1
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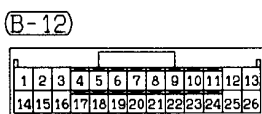
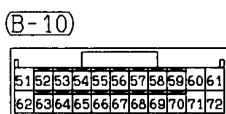
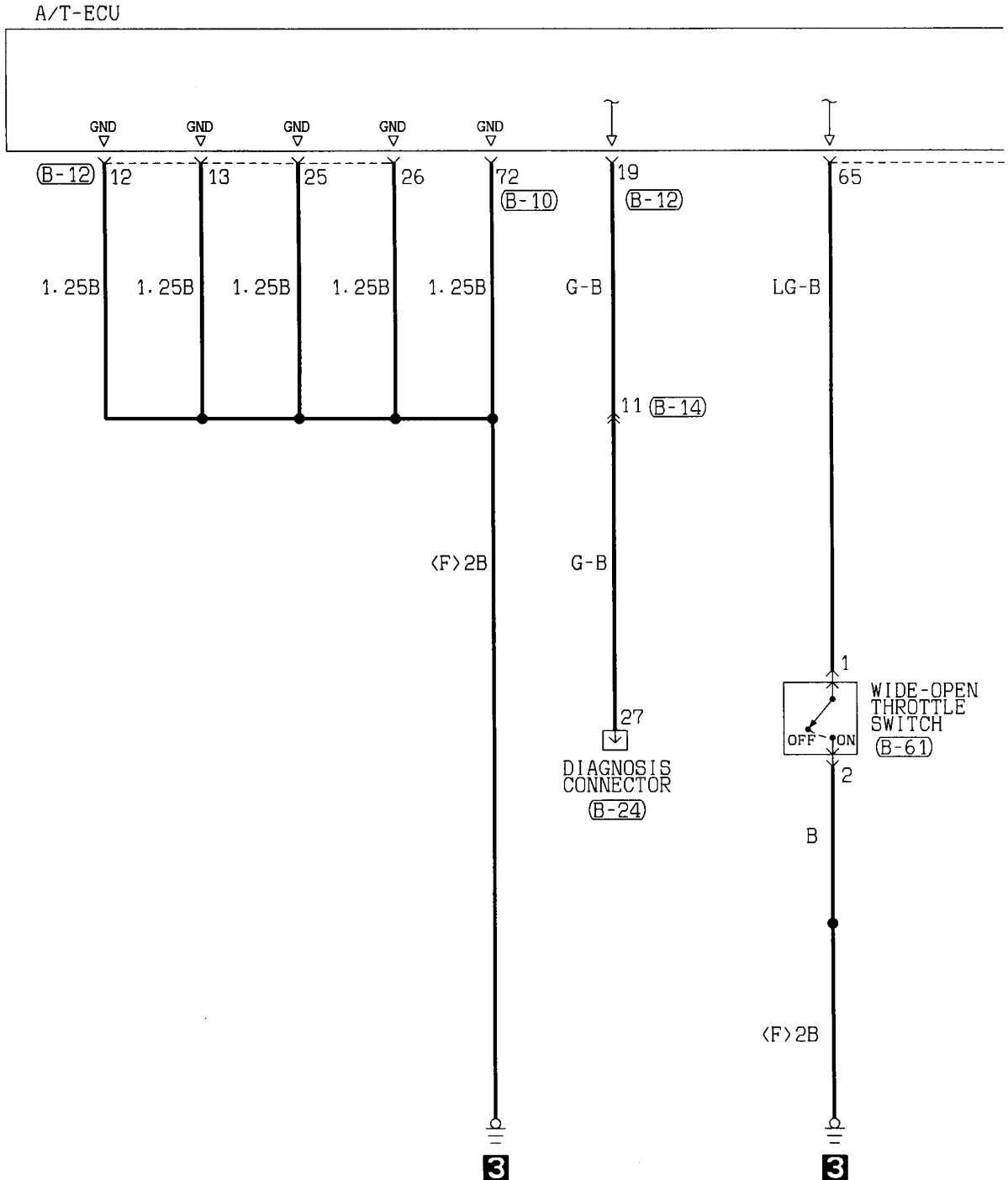
(6)

(X2)
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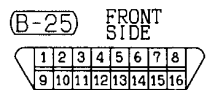
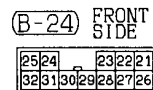
Wire colour code  
 B : Black    LG : Light green    G : Green    L : Blue    W : White    Y : Yellow    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

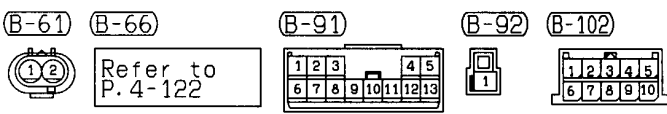
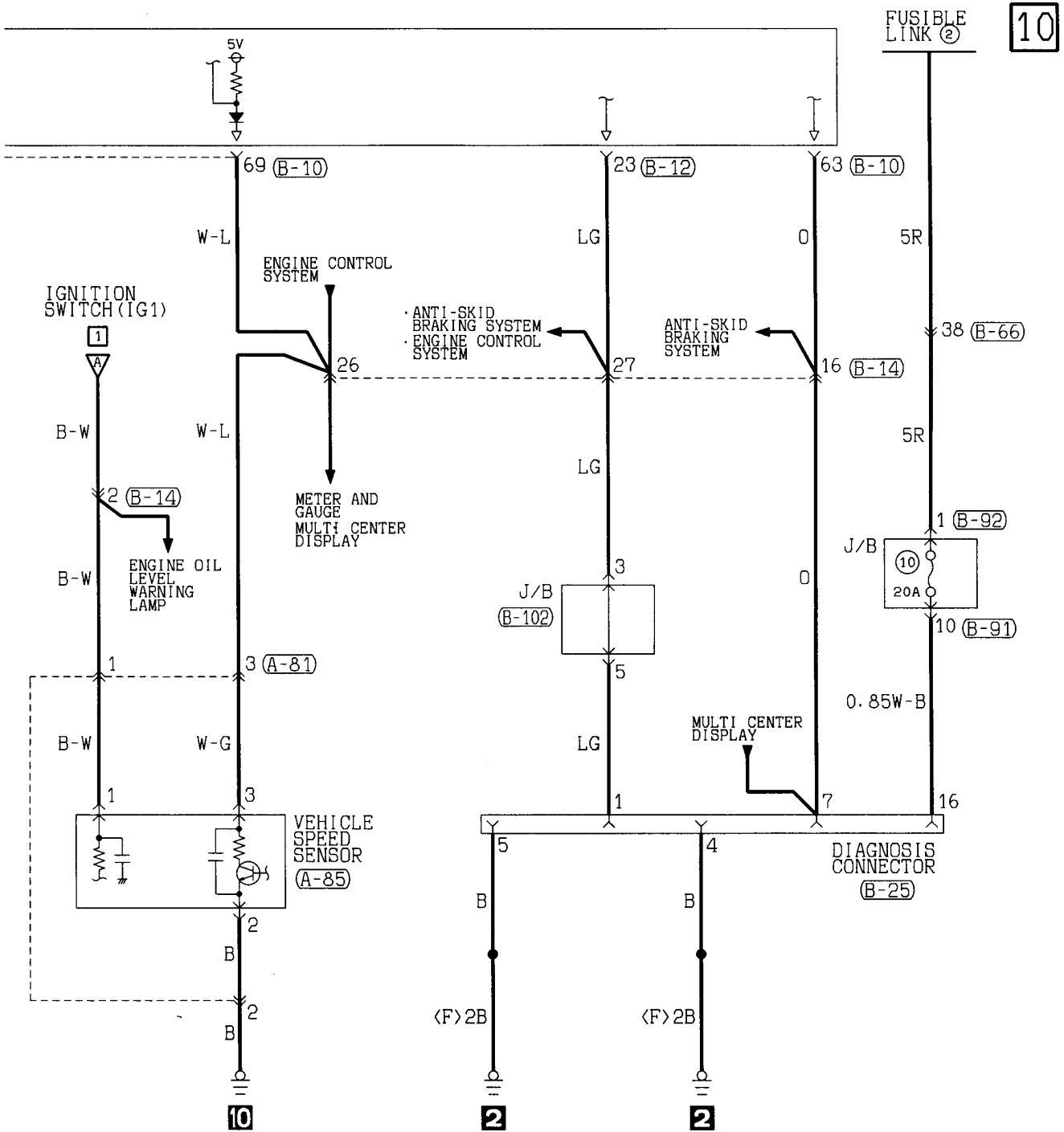
INVECS-II 4A/T <GDI (SPACE RUNNER)> (CONTINUED)

9



(B-14) Refer to P. 4-122

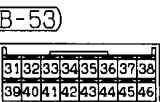
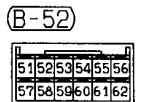
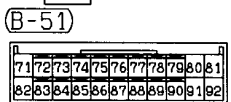
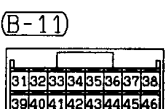
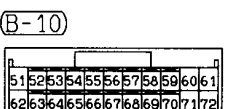
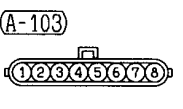
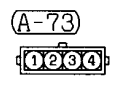
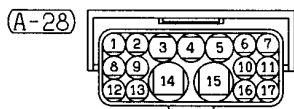
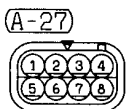
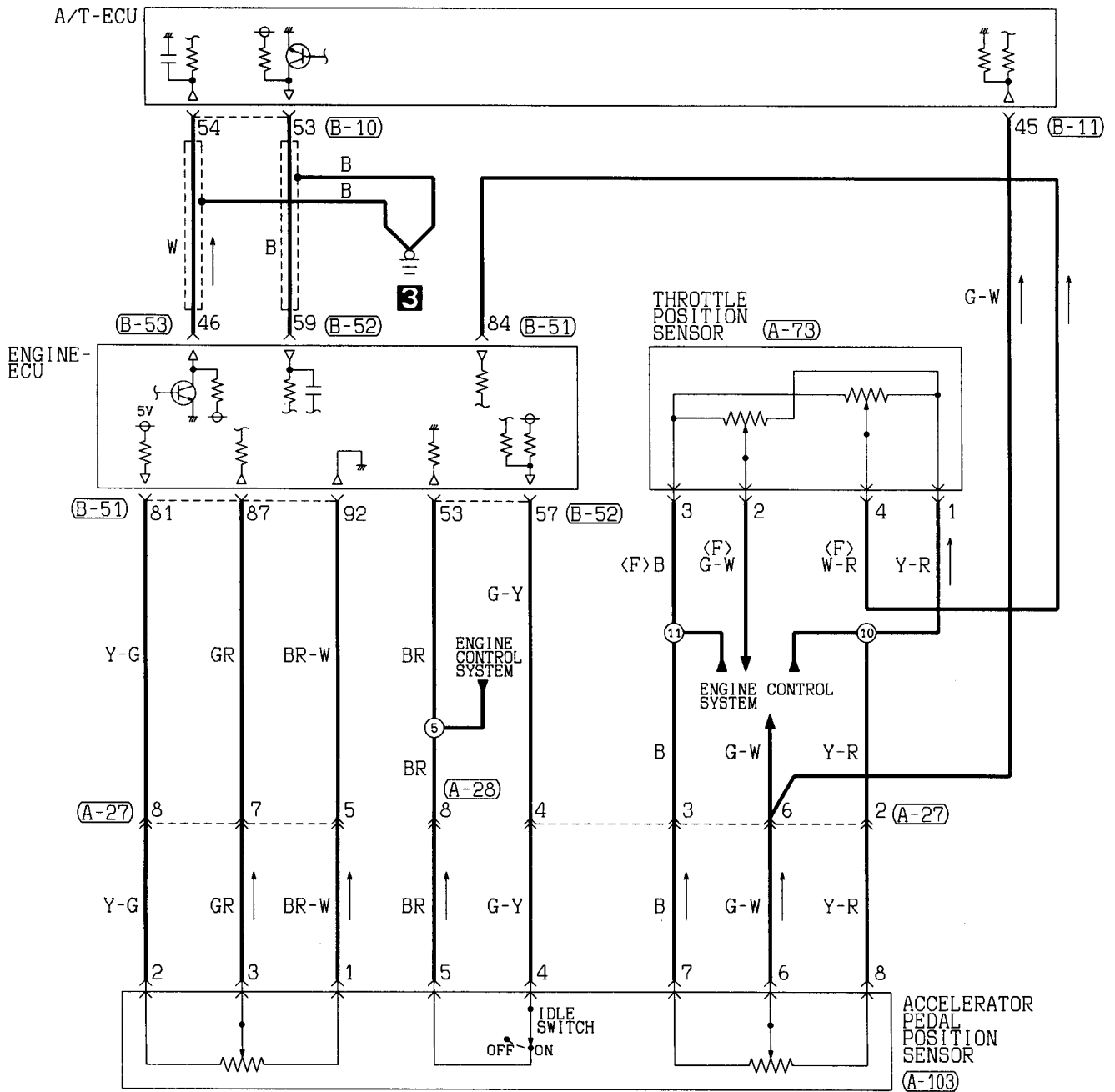




Wire colour code  
 B :Black LG:Light green G :Green L :Blue W :White Y :Yellow SB:Sky blue  
 BR:Brown O :Orange GR:Gray R :Red P :Pink V :Violet

INVECS-II 4A/T <GDI (SPACE RUNNER)> (CONTINUED)

11



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

LG : Light green  
 G : Green  
 GR : Gray  
 P : Pink

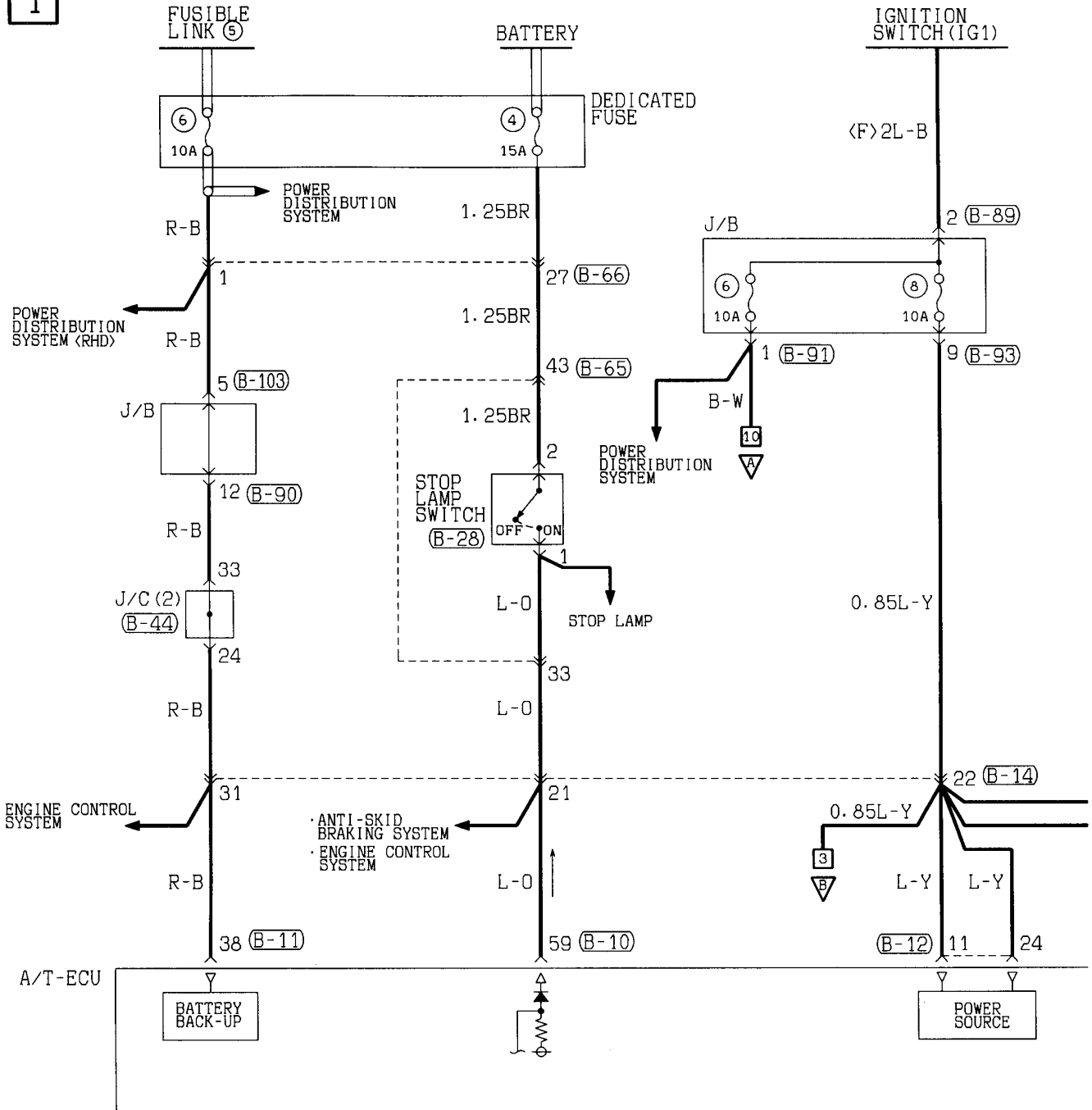
L : Blue  
 R : Red  
 Y : Yellow

NOTES

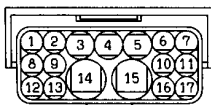
INVECS-II 4A/T

GDI <SPACE WAGON>

1



(A-28)



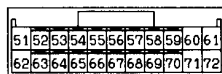
(A-82)



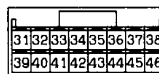
(A-90)



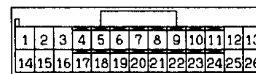
(B-10)



(B-11)



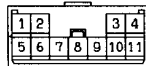
(B-12)



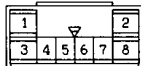
(B-14)

Refer to P. 4-122

(B-93)

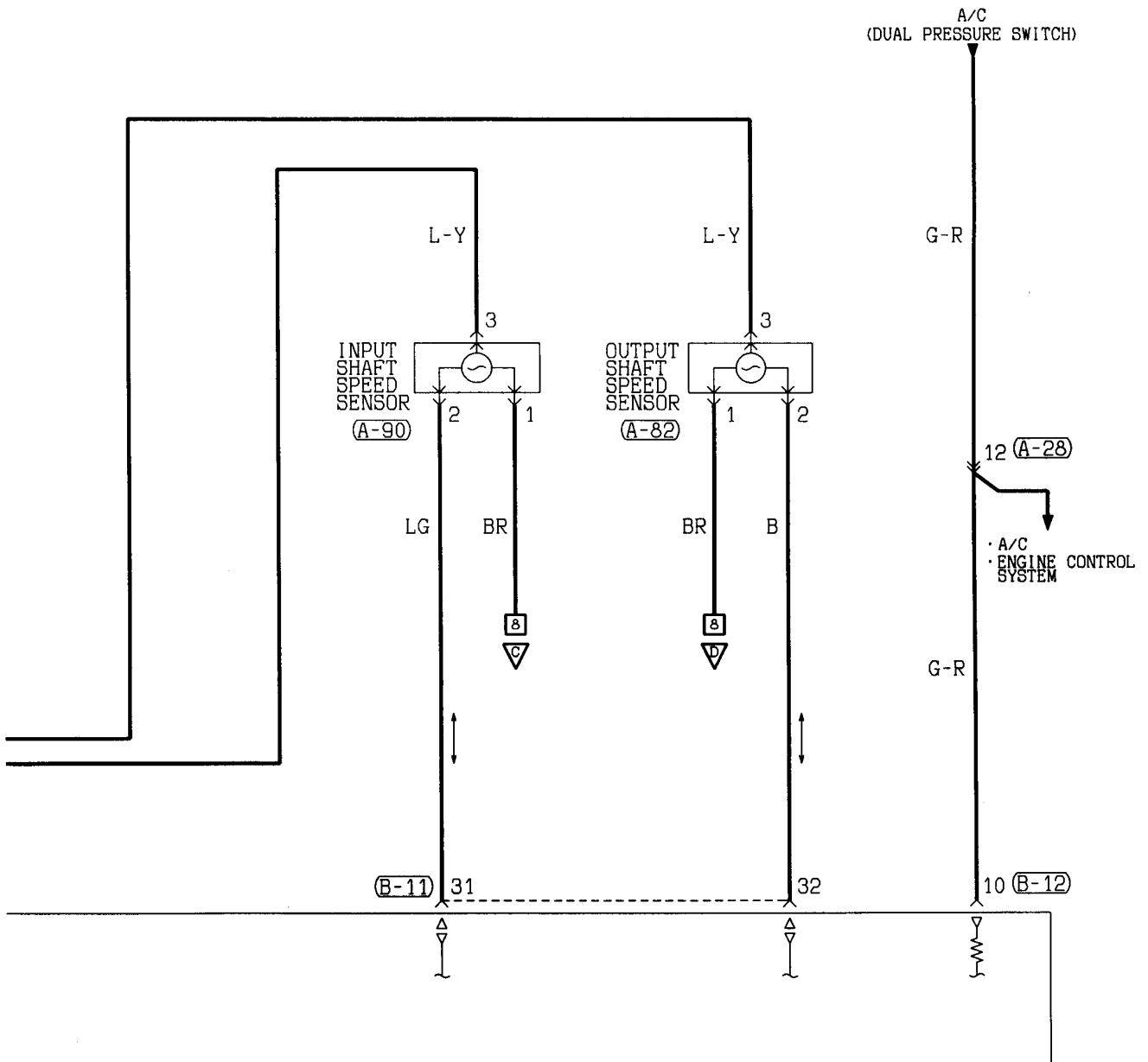


(B-103)





2



(B-28)



(B-44)



(B-65)

Refer to P. 4-122

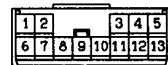
(B-66)

Refer to P. 4-122

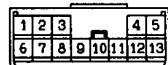
(B-89)



(B-90)



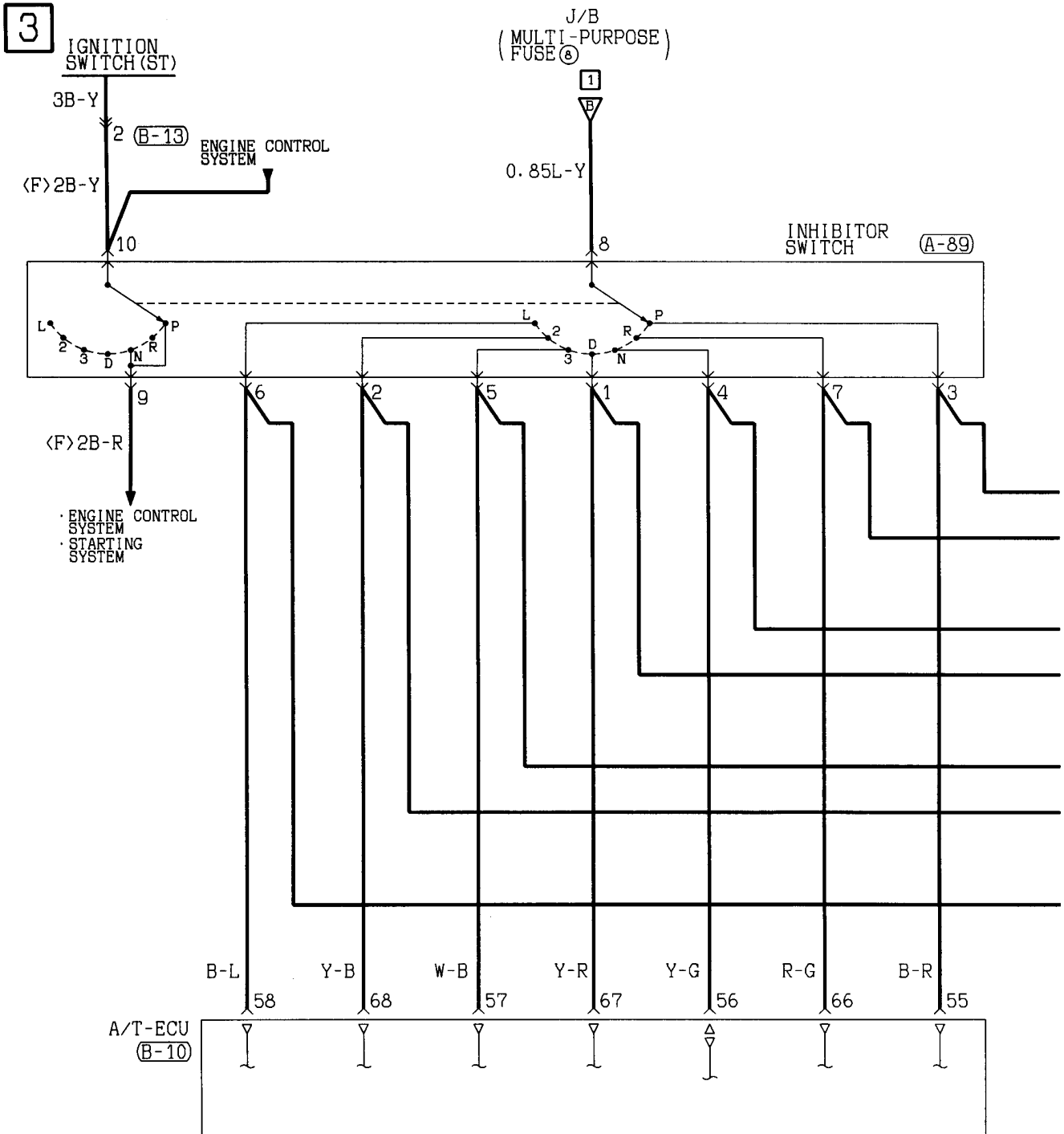
(B-91)



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

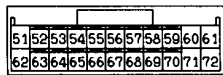
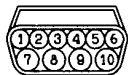
INVECS-II 4A/T <GDI (SPACE WAGON)> (CONTINUED)



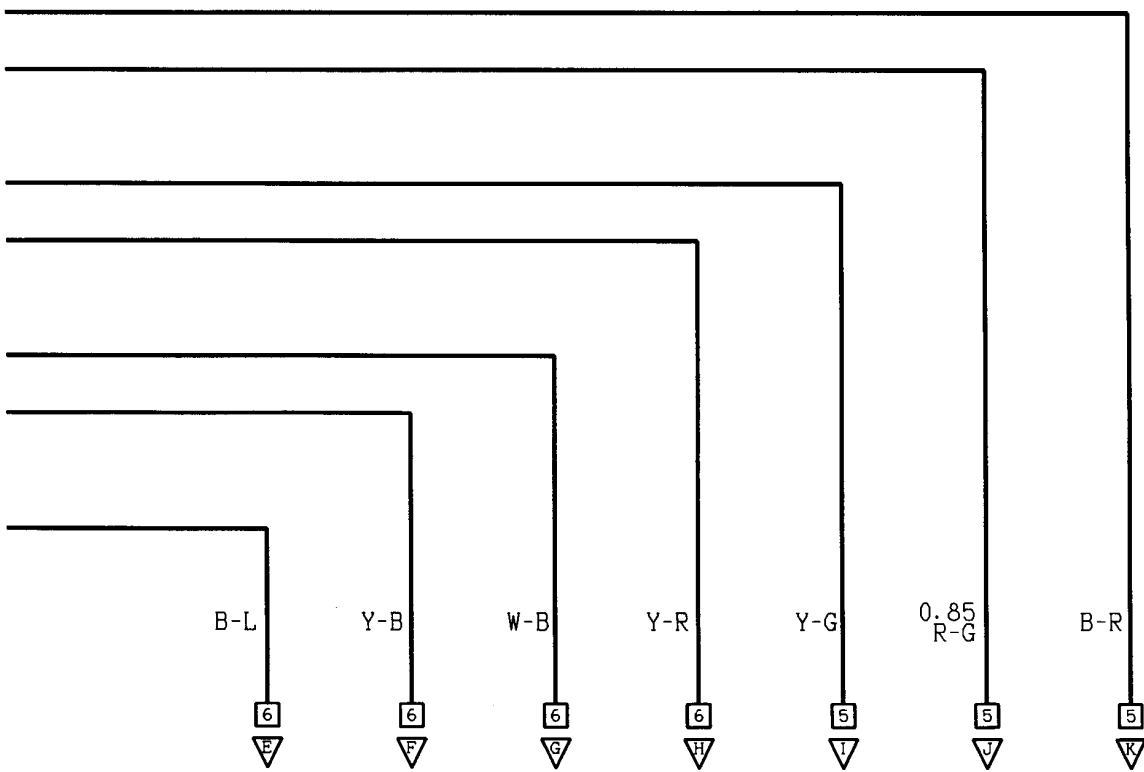
(A-89)

(B-10)

(B-13)



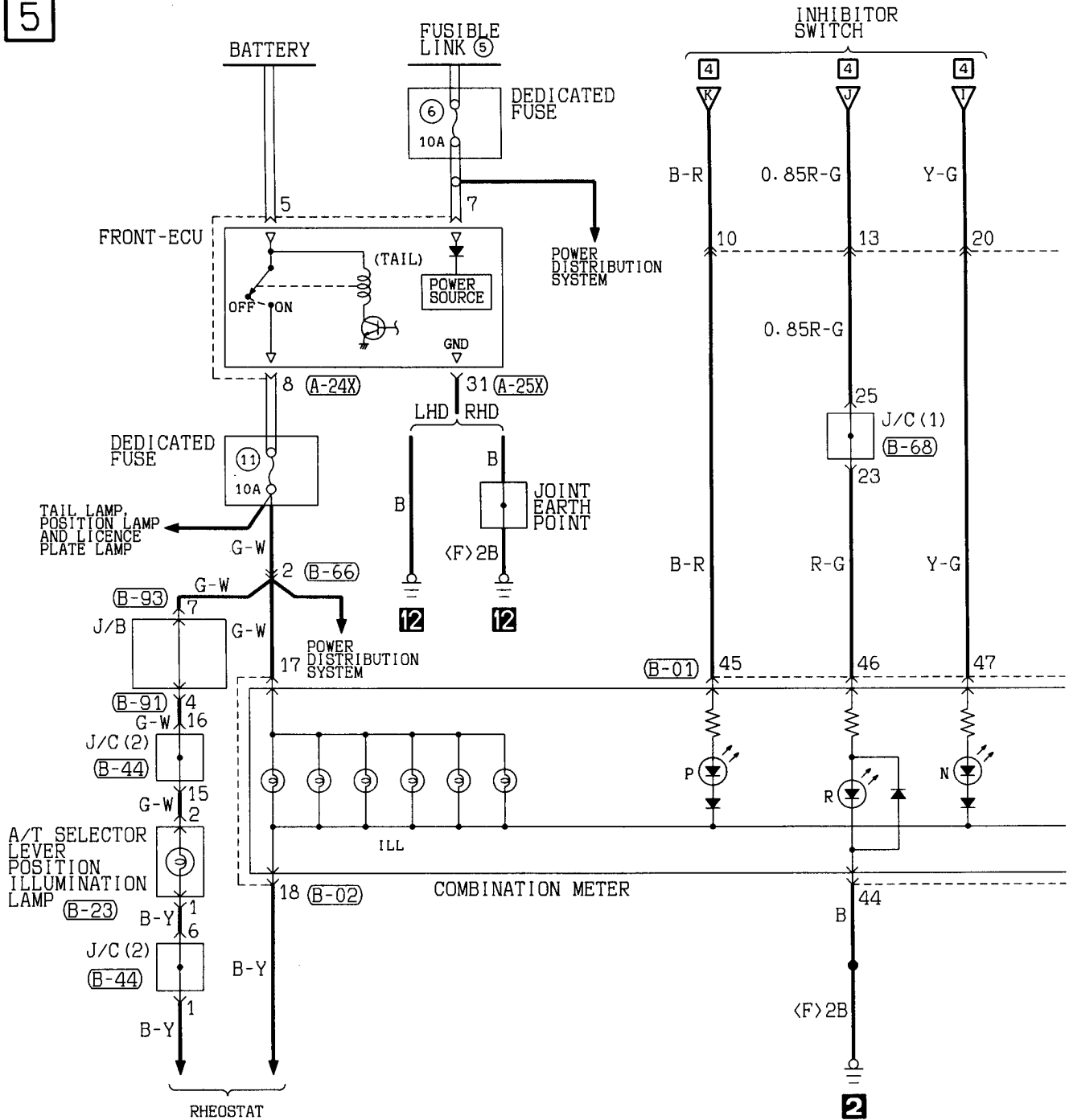
4



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

INVECS-II 4A/T <GDI (SPACE WAGON)> (CONTINUED)

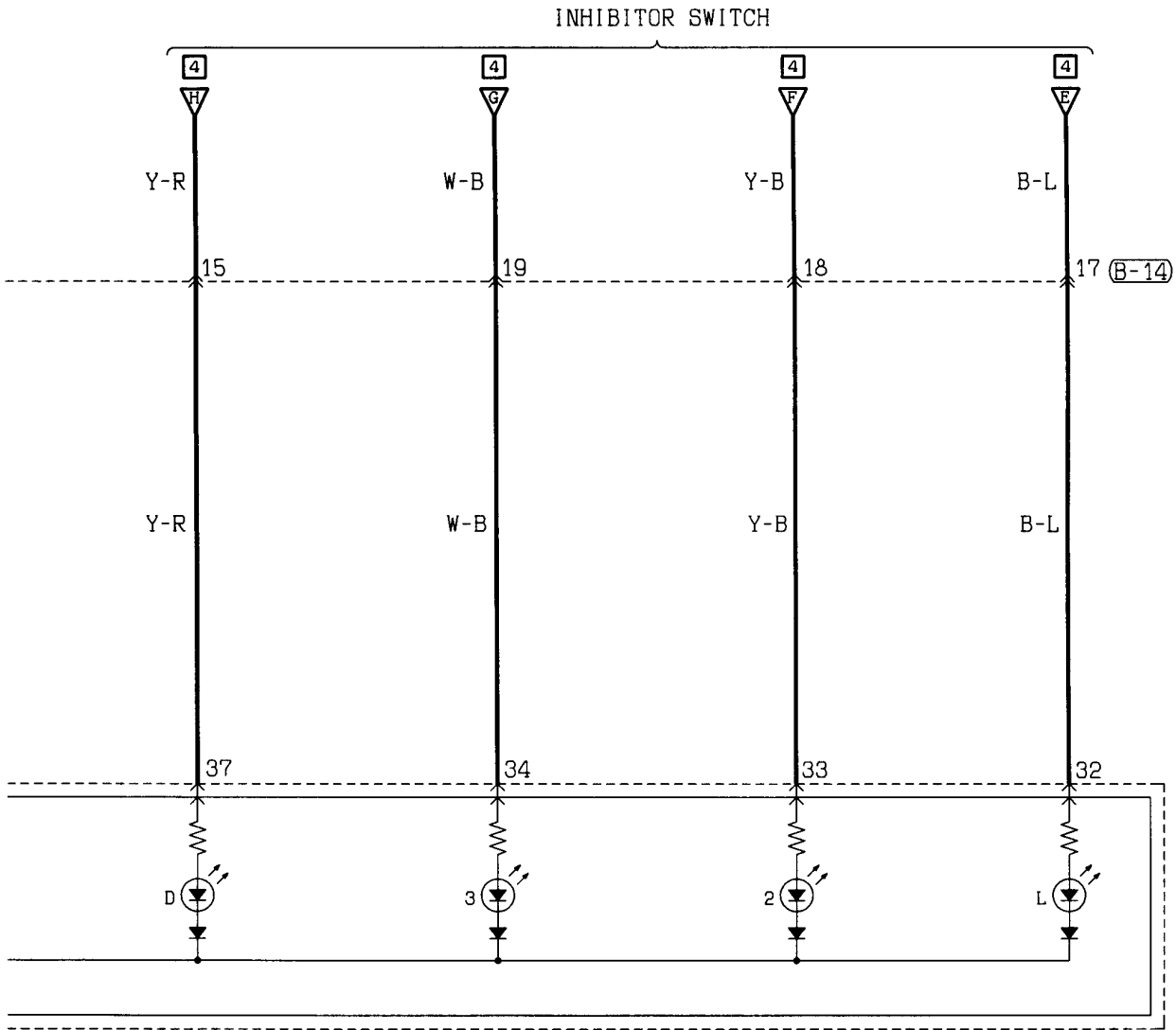
5



(A-24X)	(A-25X)	(B-01)	(B-02)	(B-14)
1 2 3 4 5 6 7 8 9 10 11	21 22 23 24 25 26 27 28 29 30 31	31 32 33 34 35 36 37 38	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11
		39	13	12 13 14 15 16 17 18 19 20 21 22
		40 41 42 43 44 45 46 47	14 15 16 17 18 19 20 21 22 23 24 25	23 24 25 26 27 28 29 30 31 32

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

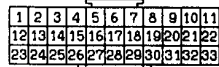
6



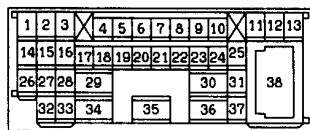
(B-23)



(B-44)



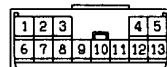
(B-66)



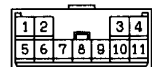
(B-68)



(B-91)

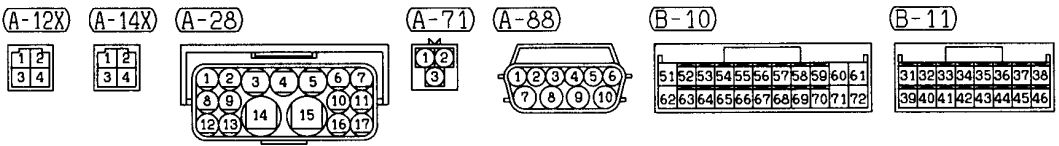
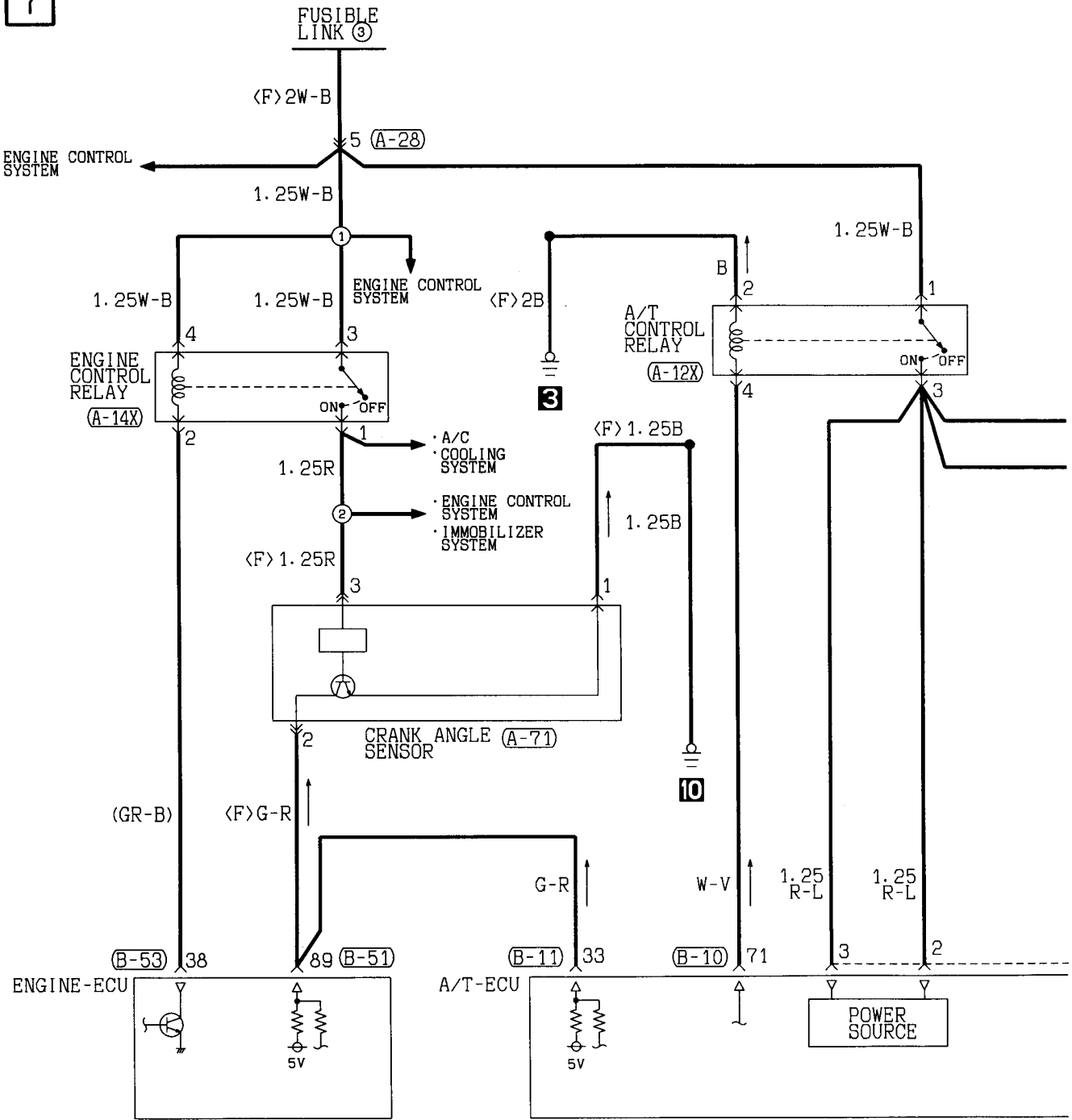


(B-93)



INVECS-II 4A/T <GDI (SPACE WAGON)> (CONTINUED)

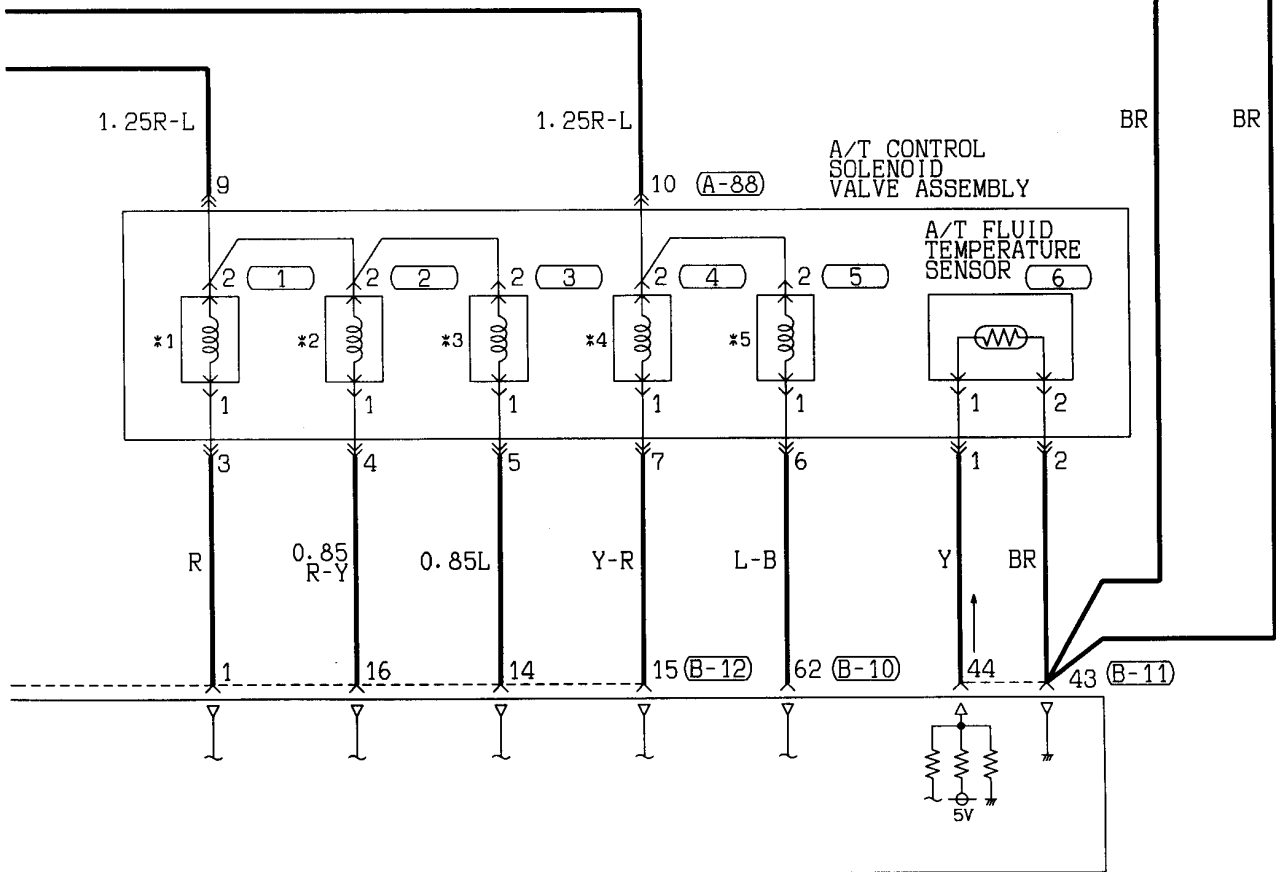
7



8

Remarks  
 \*1: UNDERDRIVE SOLENOID VALVE  
 \*2: SECOND SOLENOID VALVE  
 \*3: OVERDRIVE SOLENOID VALVE  
 \*4: DAMPER CLUTCH CONTROL SOLENOID VALVE  
 \*5: LOW AND REVERSE SOLENOID VALVE

INPUT SHAFT SPEED SENSOR  
 OUTPUT SHAFT SPEED SENSOR



(B-12)

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

(B-51)

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

(B-53)

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

(1)

1
2

(2)

1
2

(3)

1
2

(4)

1
2

(5)

1
2

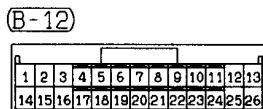
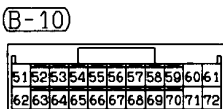
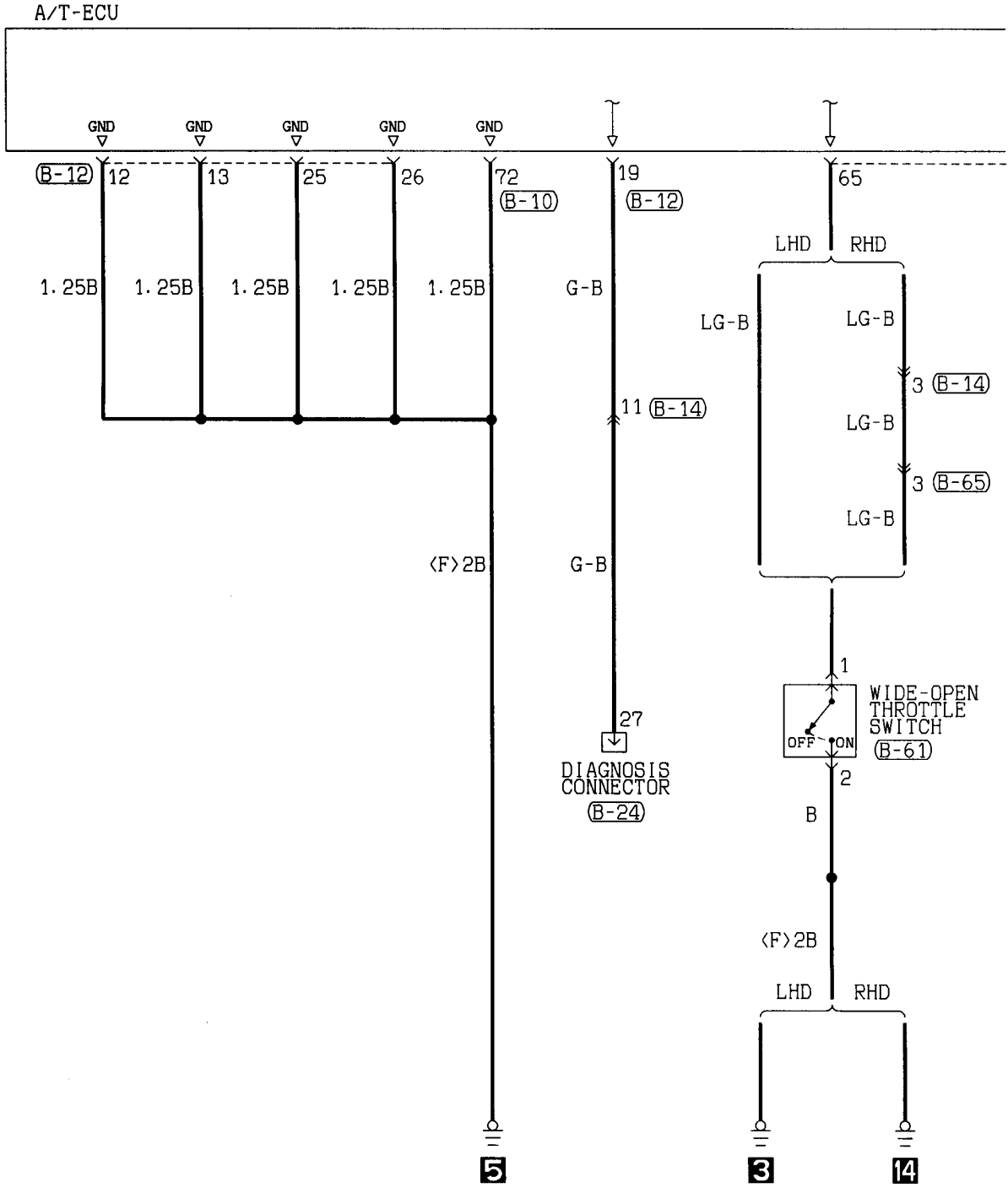
(6)

1
2

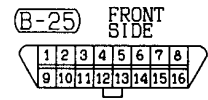
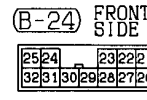
Wire colour code  
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue  
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

INVECS-II 4A/T <GDI (SPACE WAGON)> (CONTINUED)

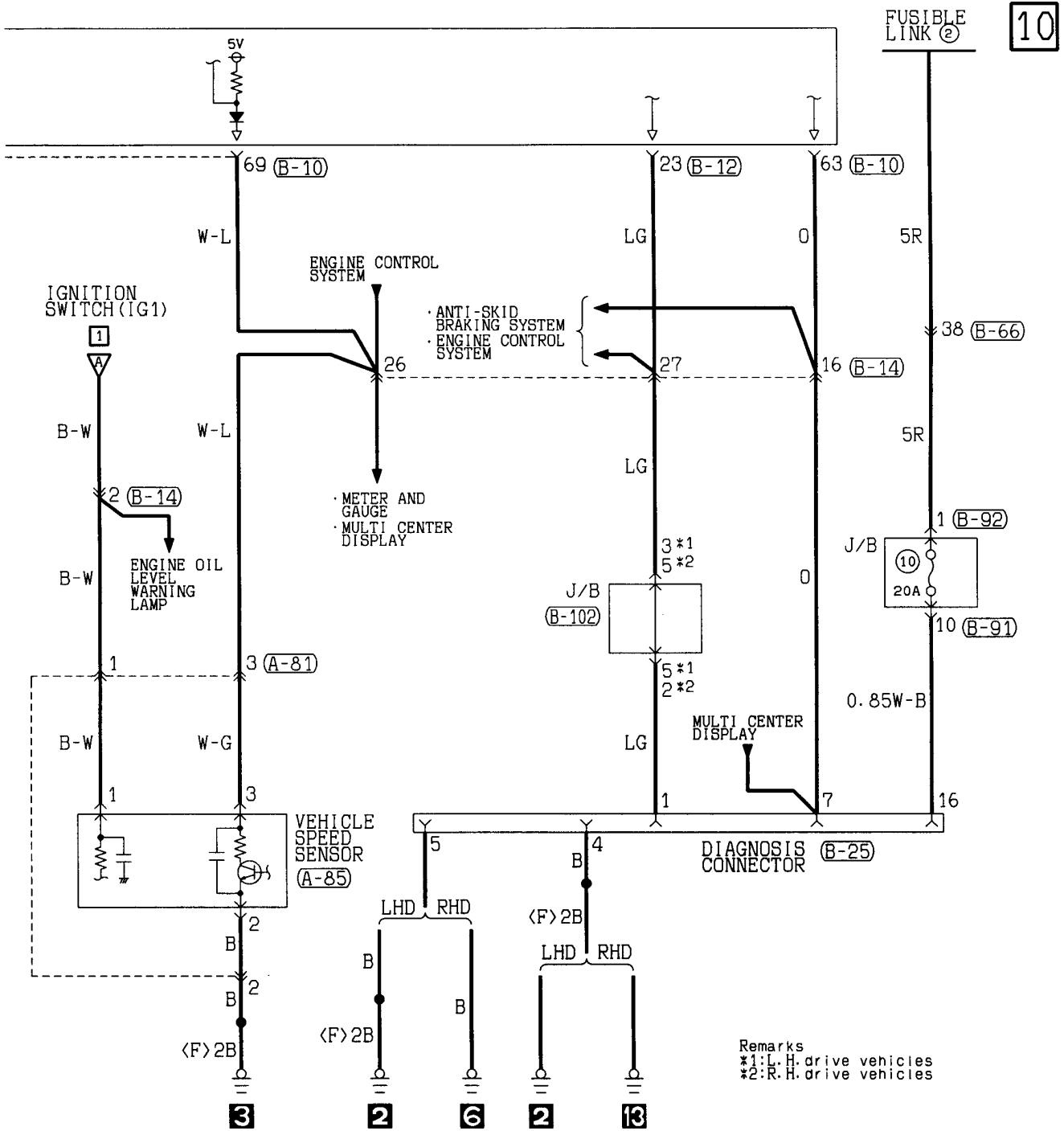
9



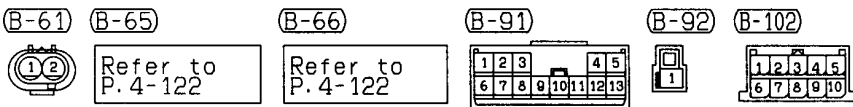
(B-14) Refer to P. 4-122







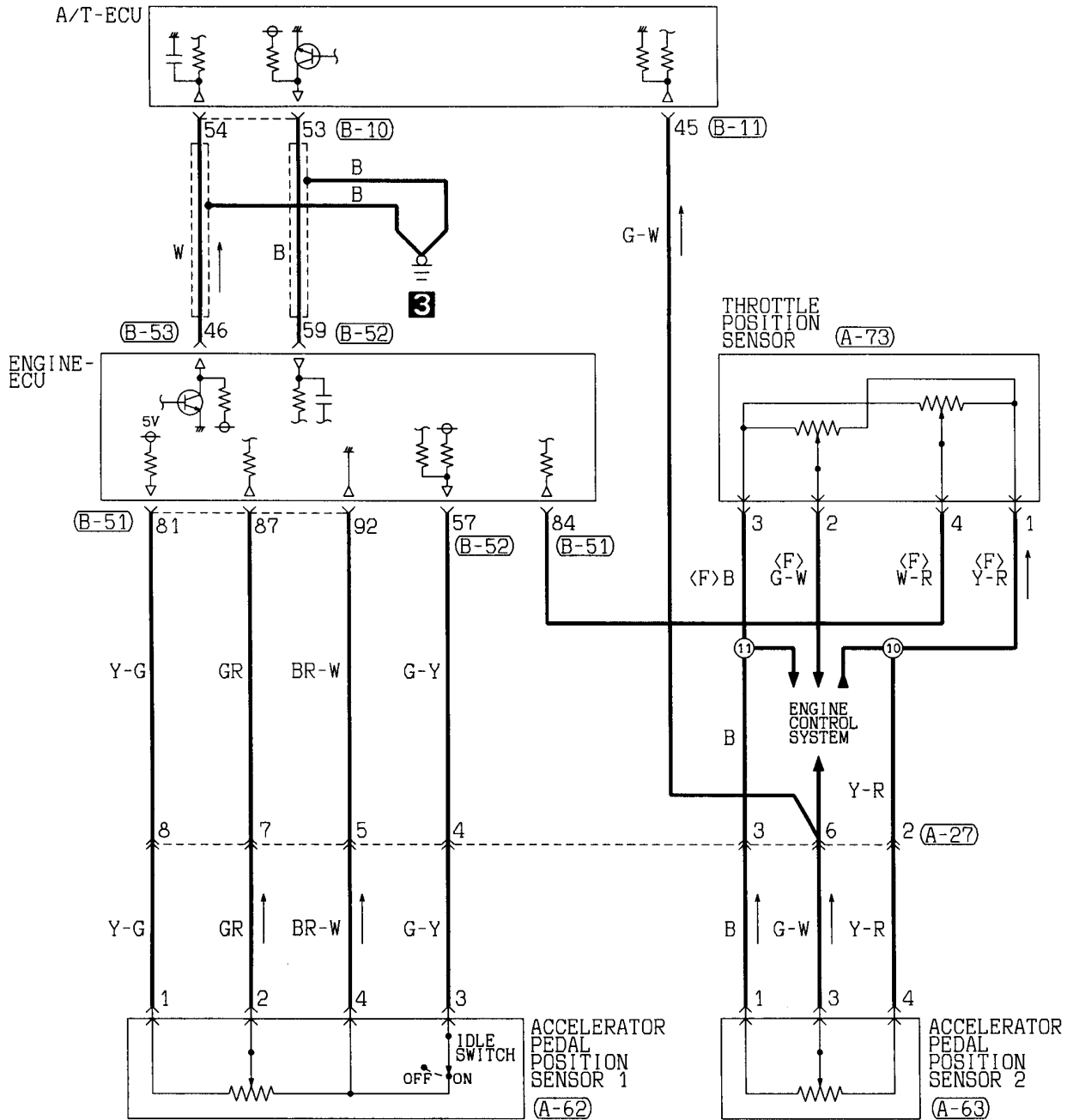
Remarks  
 \*1:L.H. drive vehicles  
 \*2:R.H. drive vehicles



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

INVECS-II 4A/T <GDI (SPACE WAGON)> (CONTINUED)

11



(A-27)

(A-62)

(A-63)

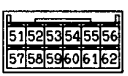
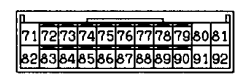
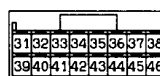
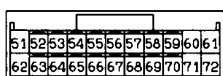
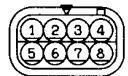
(A-73)

(B-10)

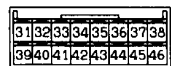
(B-11)

(B-51)

(B-52)



(B-53)



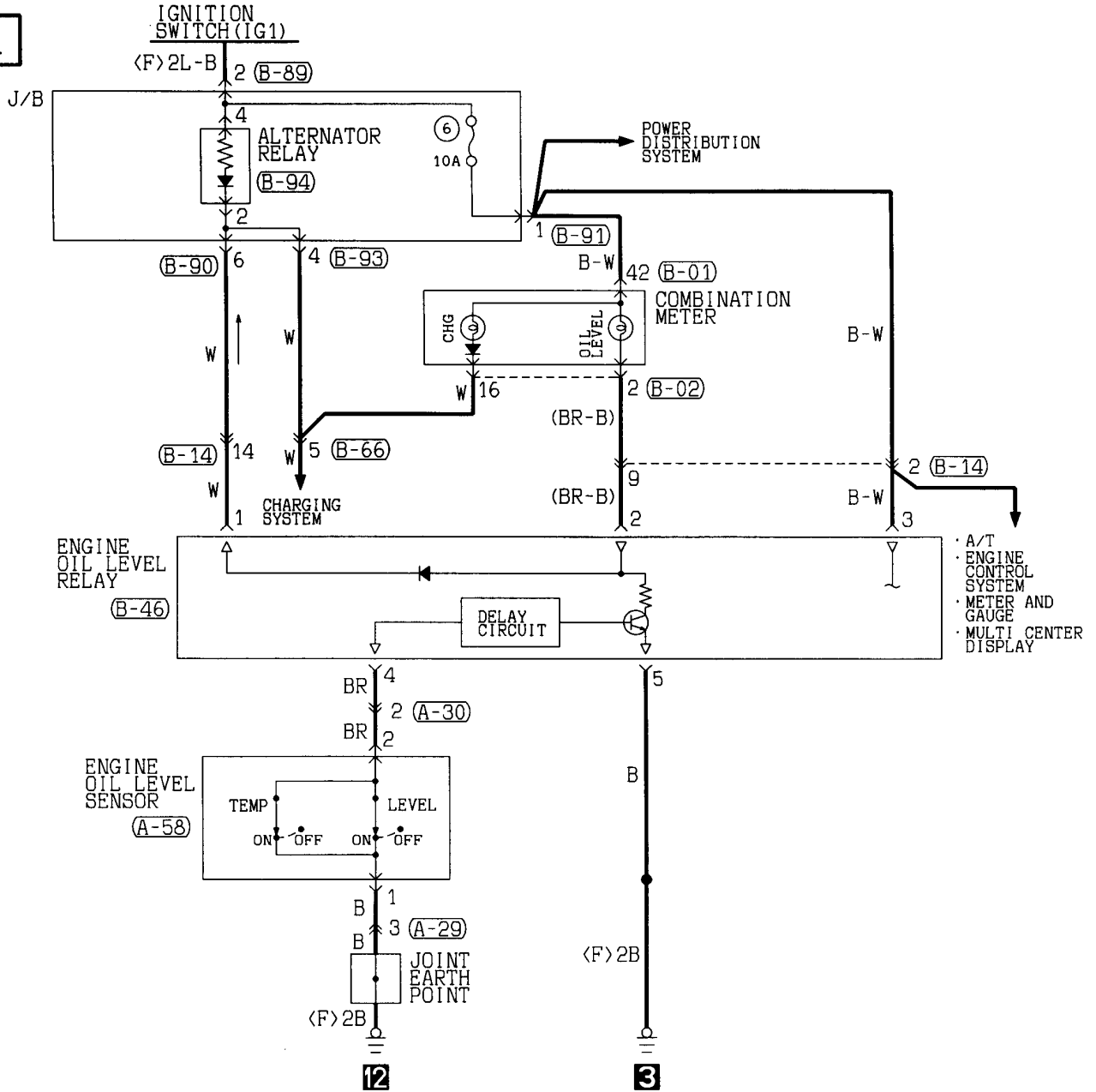
Wire colour code  
 B : Black      LG : Light green      G : Green      L : Blue  
 BR : Brown    O : Orange            GR : Gray      R : Red  
 W : White      SB : Sky blue          P : Pink        Y : Yellow  
 V : Violet

NOTES

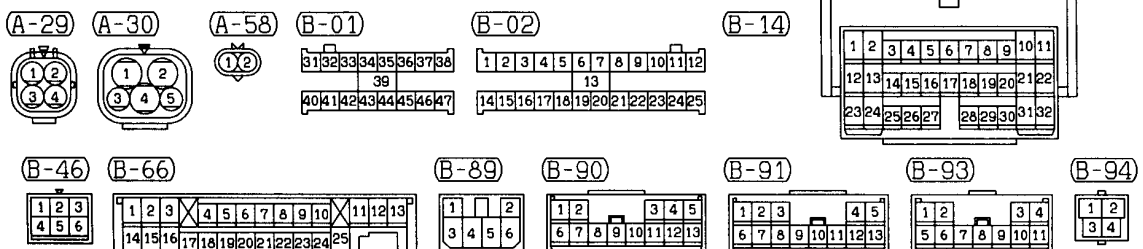
# ENGINE OIL LEVEL WARNING LAMP

L.H. drive vehicles

1



- A/T
- ENGINE CONTROL SYSTEM
- METER AND GAUGE
- MULTI CENTER DISPLAY

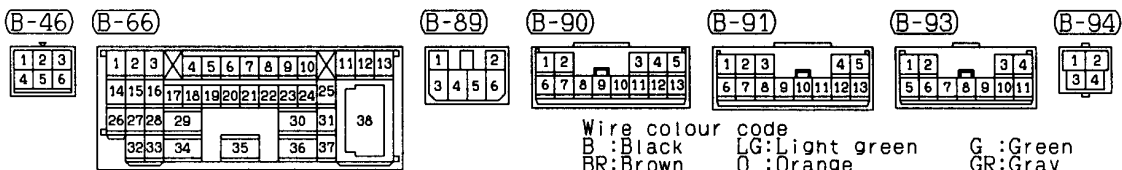
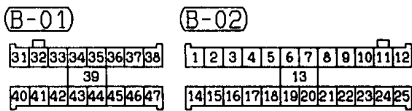
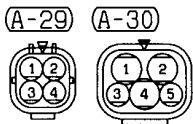
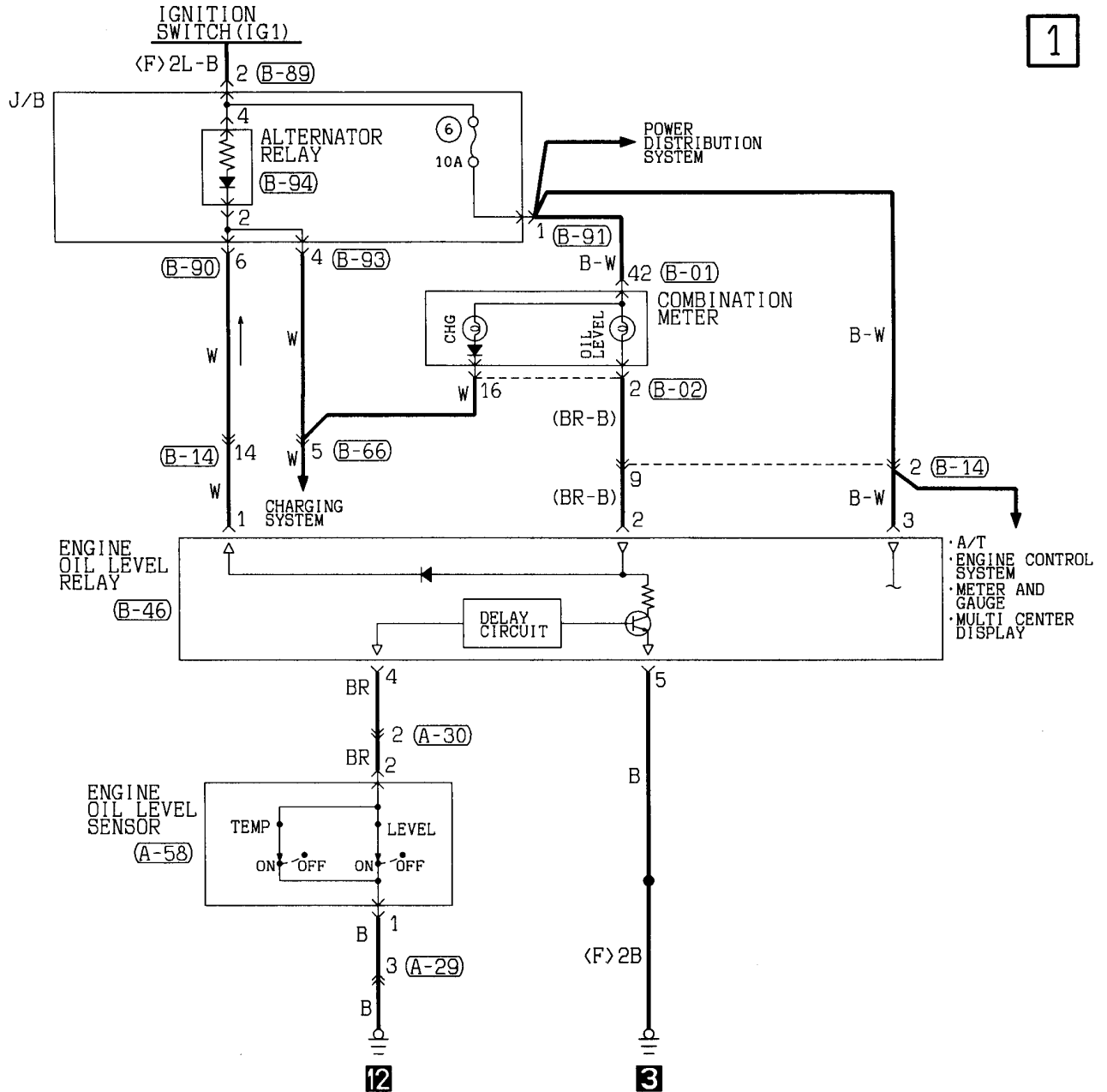


Wire colour code  
 B : Black      LG : Light green      G : Green      L : Blue  
 BR : Brown    O : Orange            GR : Gray       R : Red  
 W : White      SB : Sky blue        P : Pink        Y : Yellow  
 V : Violet

# ENGINE OIL LEVEL WARNING LAMP

R.H. drive vehicles

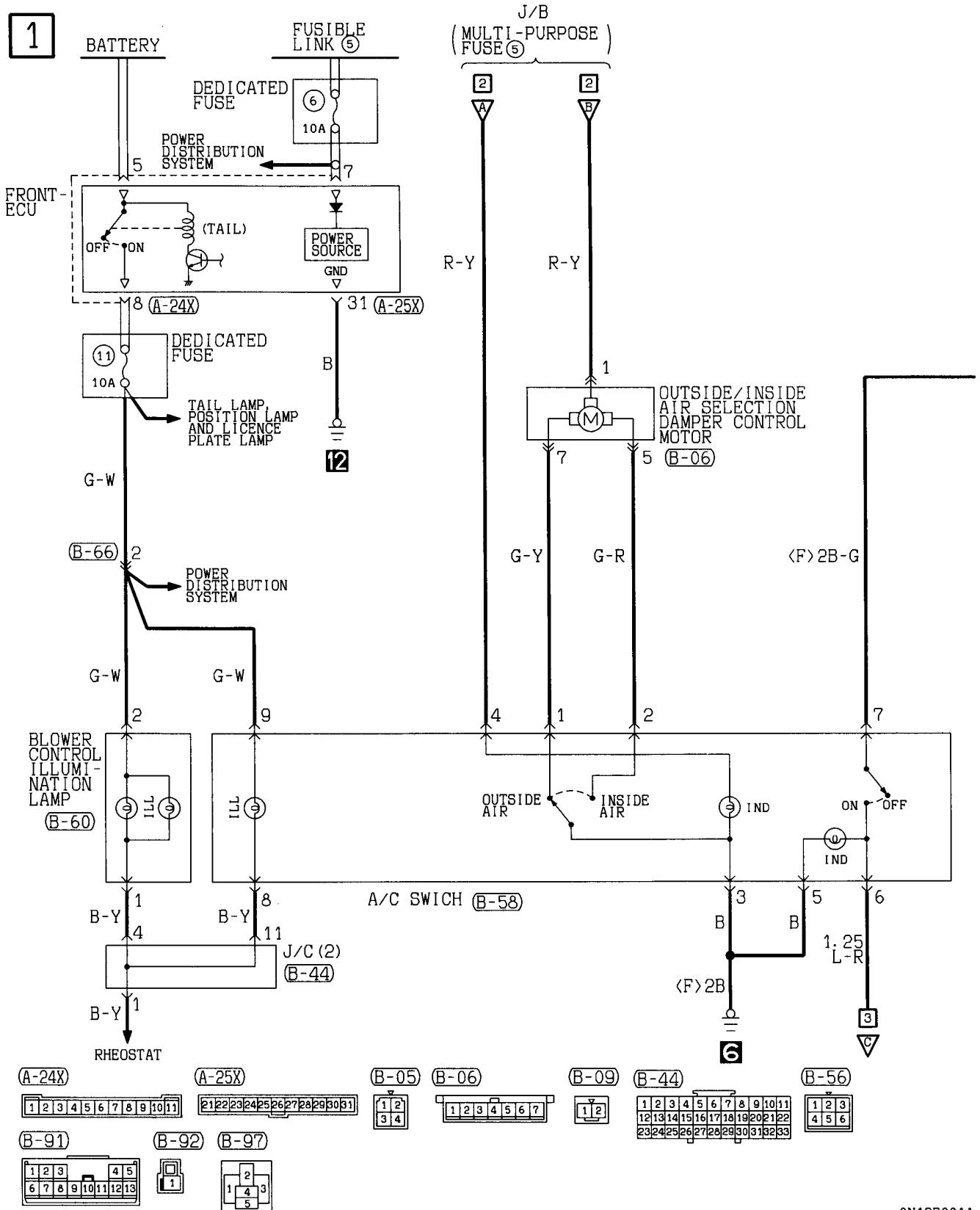
1



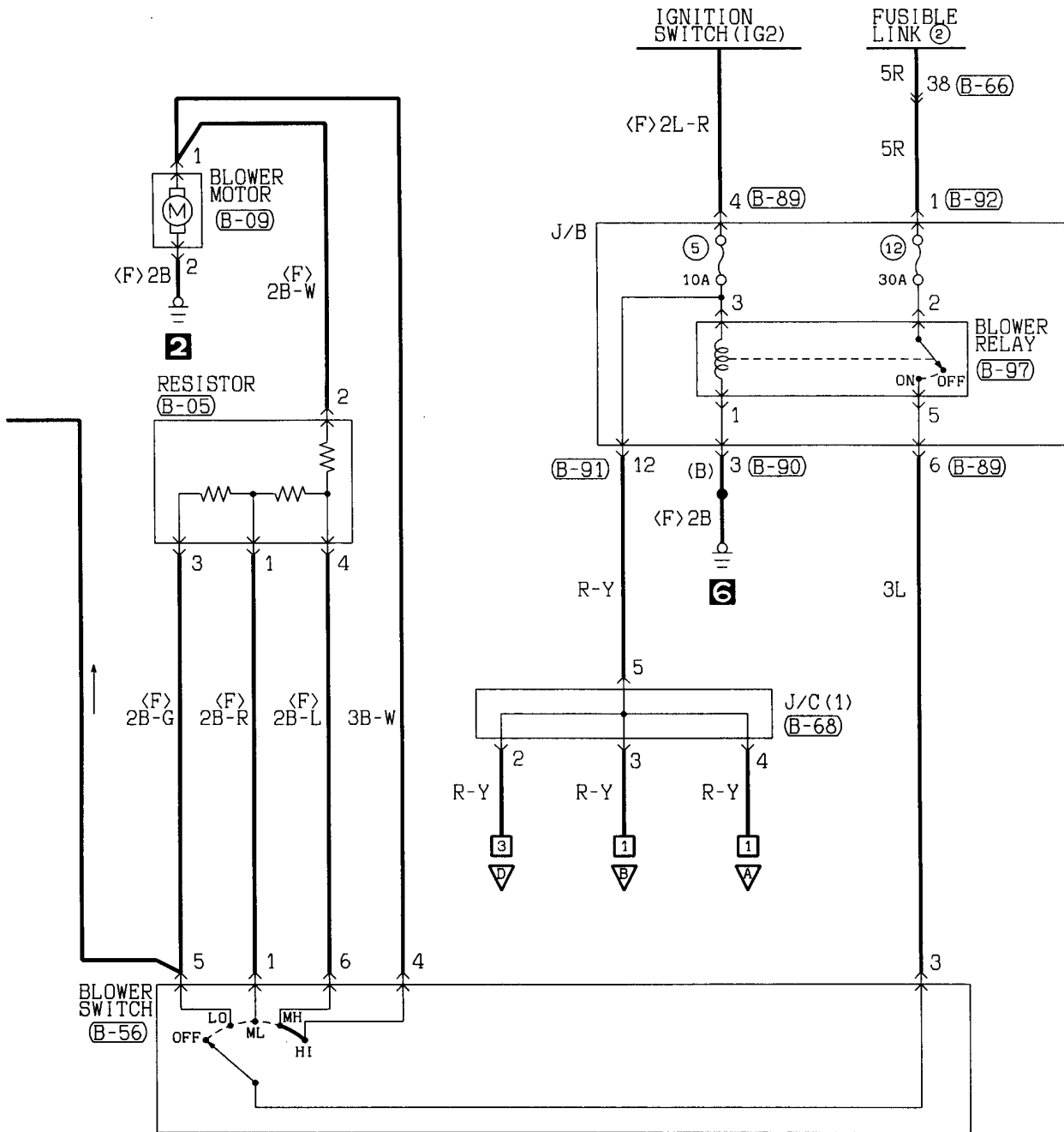
Wire colour code  
 B : Black    LG : Light green    G : Green    L : Blue  
 BR : Brown    O : Orange    GR : Gray    R : Red  
 W : White    SB : Sky blue    P : Pink    Y : Yellow  
 V : Violet

**AIR CONDITIONER**

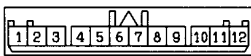
L.H. drive vehicles



2



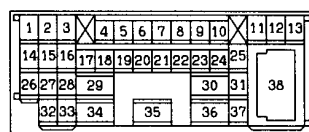
(B-58)



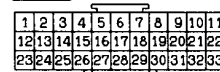
(B-60)



(B-66)



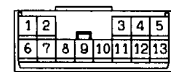
(B-68)



(B-89)



(B-90)



Wire colour code

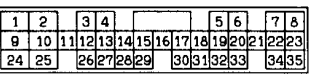
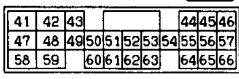
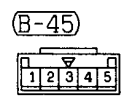
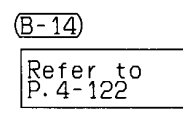
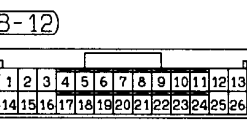
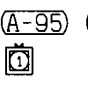
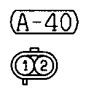
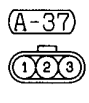
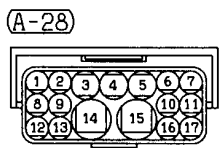
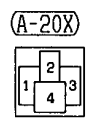
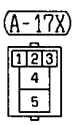
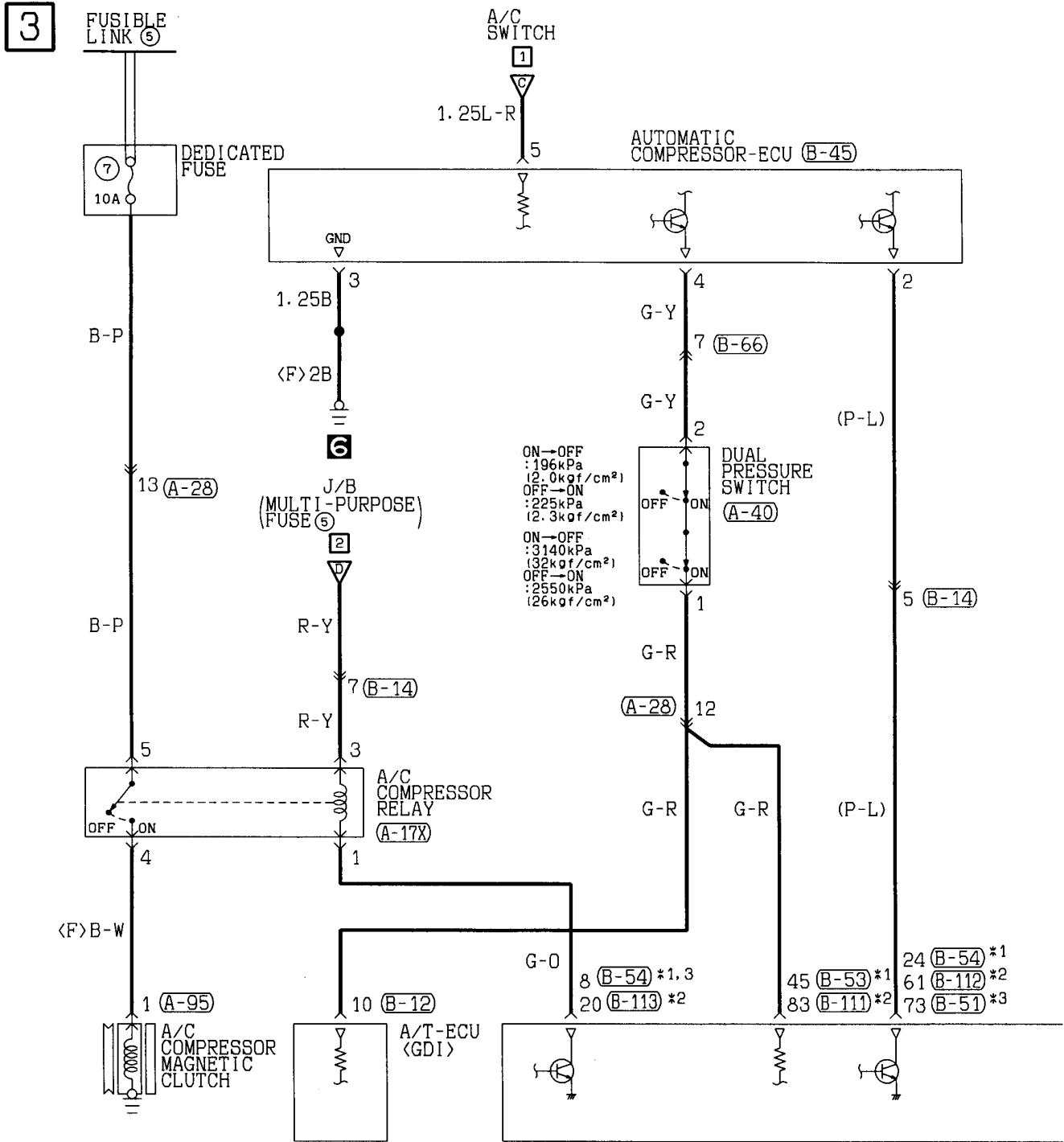
B : Black LG: Light green  
BR: Brown O : Orange

G : Green L : Blue  
GR: Gray R : Red

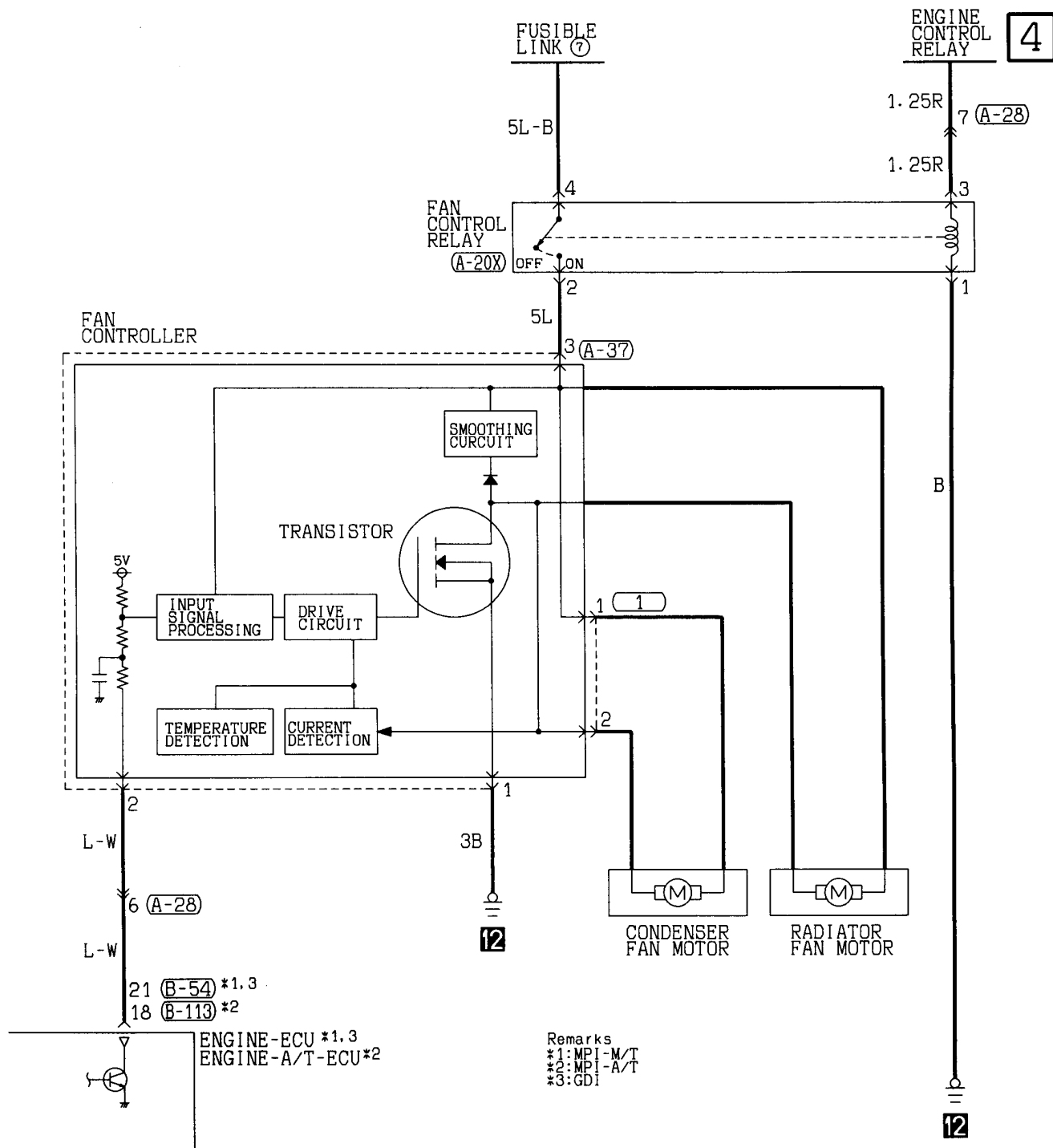
W : White Y : Yellow  
P : Pink V : Violet

SB: Sky blue

AIR CONDITIONER <L.H. drive vehicles> (CONTINUED)







(B-51)

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

(B-53)

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

(B-54)

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-66)

Refer to P.4-122

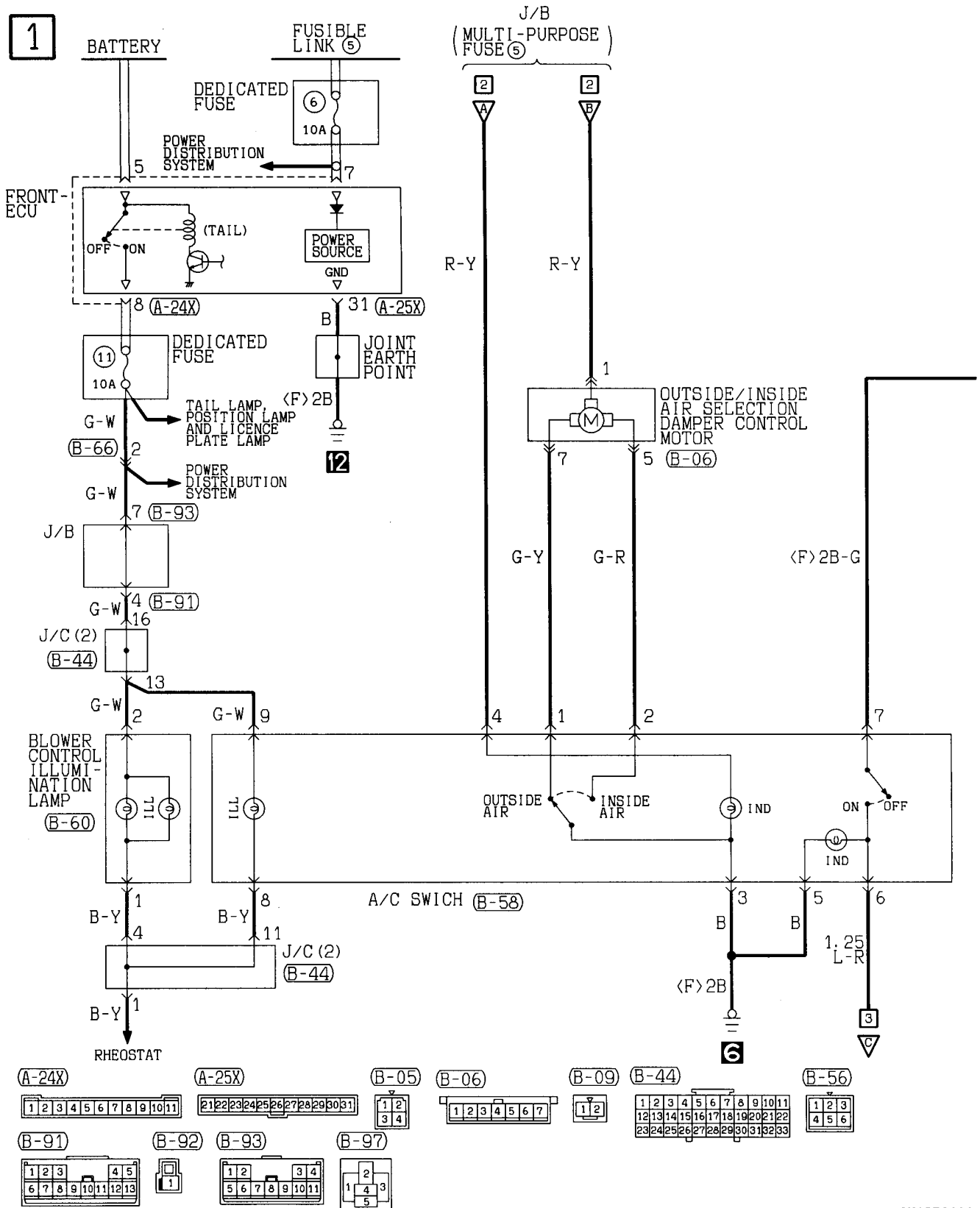
(B-111)

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			

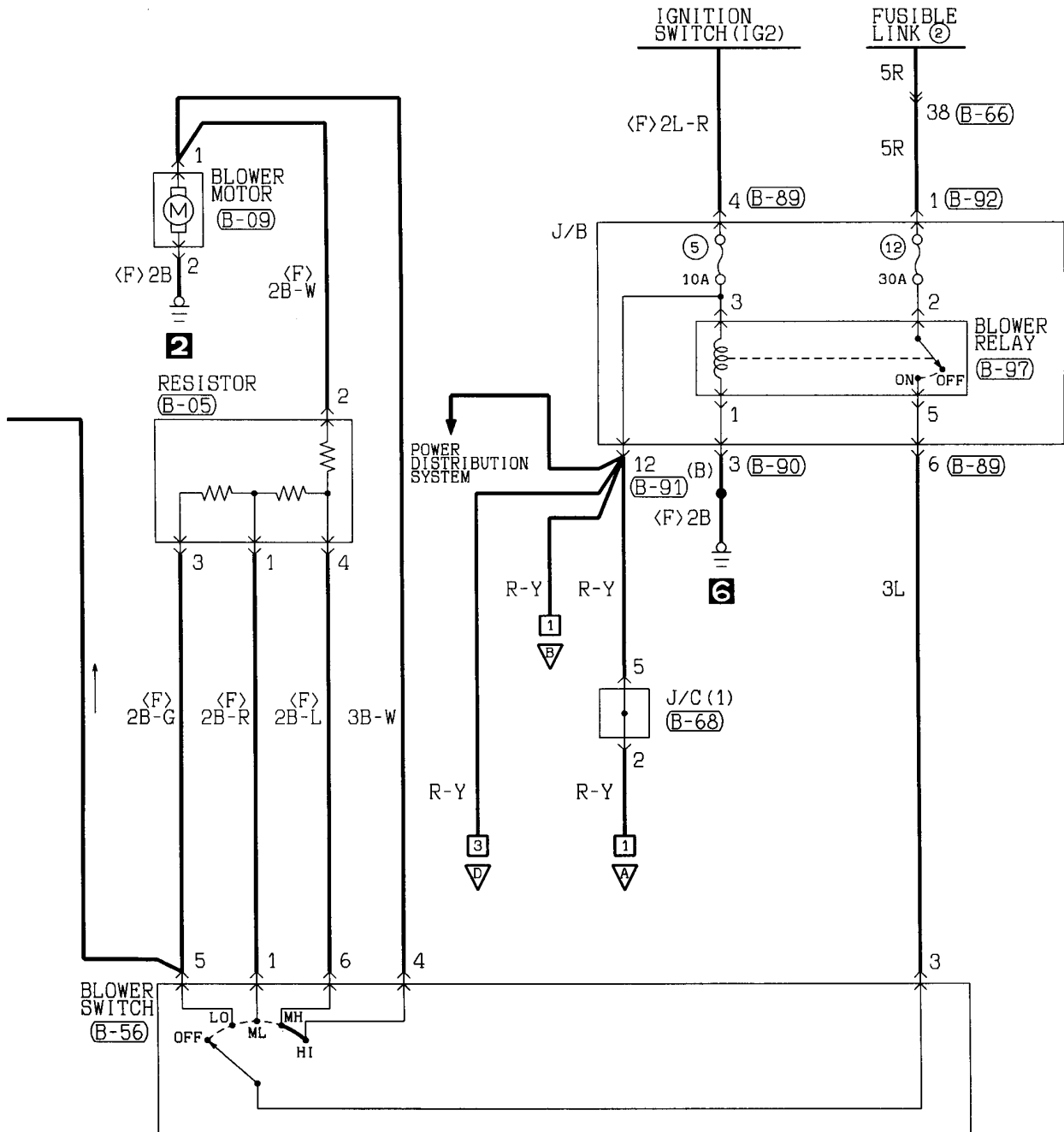
Wire colour code  
 B : Black    LG : Light green    G : Green    L : Blue    W : White    Y : Yellow    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

AIR CONDITIONER

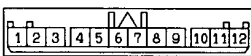
R.H. drive vehicles



2



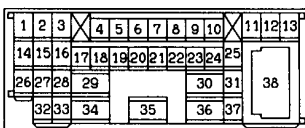
(B-58)



(B-60)



(B-66)



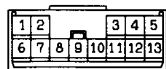
(B-68)



(B-89)



(B-90)



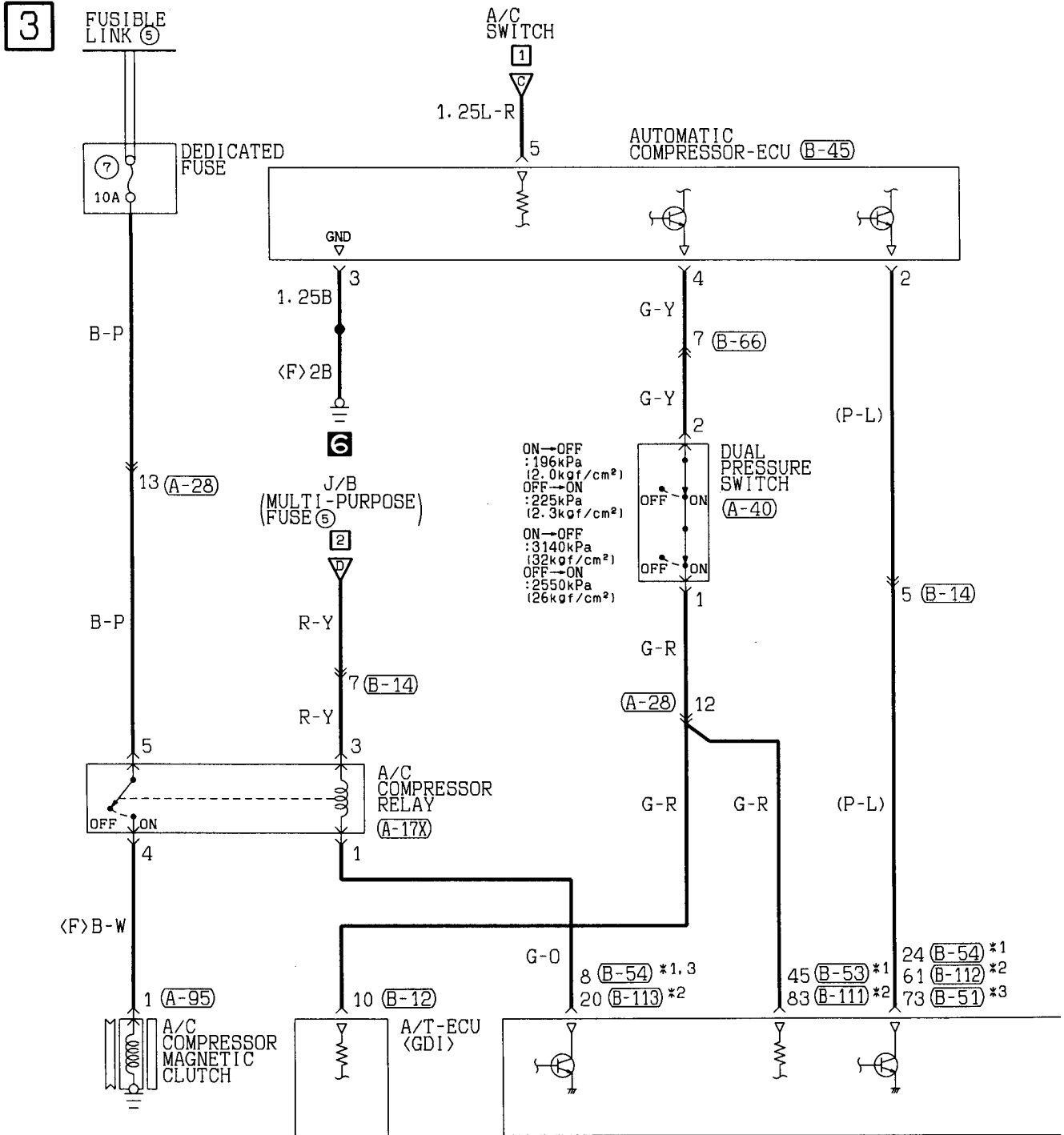
Wire colour code

B:Black LG:Light green G:Green L:Blue  
 BR:Brown O:Orange GR:Gray R:Red

W:White Y:Yellow  
 P:Pink V:Violet

SB:Sky blue

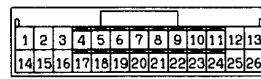
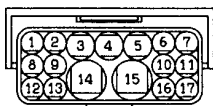
AIR CONDITIONER <R.H. drive vehicles> (CONTINUED)



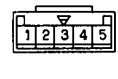
(A-17X) (A-20X) (A-28)

(A-37) (A-40) (A-95) (B-12)

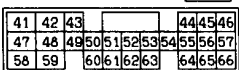
(B-14) (B-45)



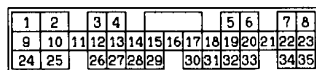
Refer to P.4-122

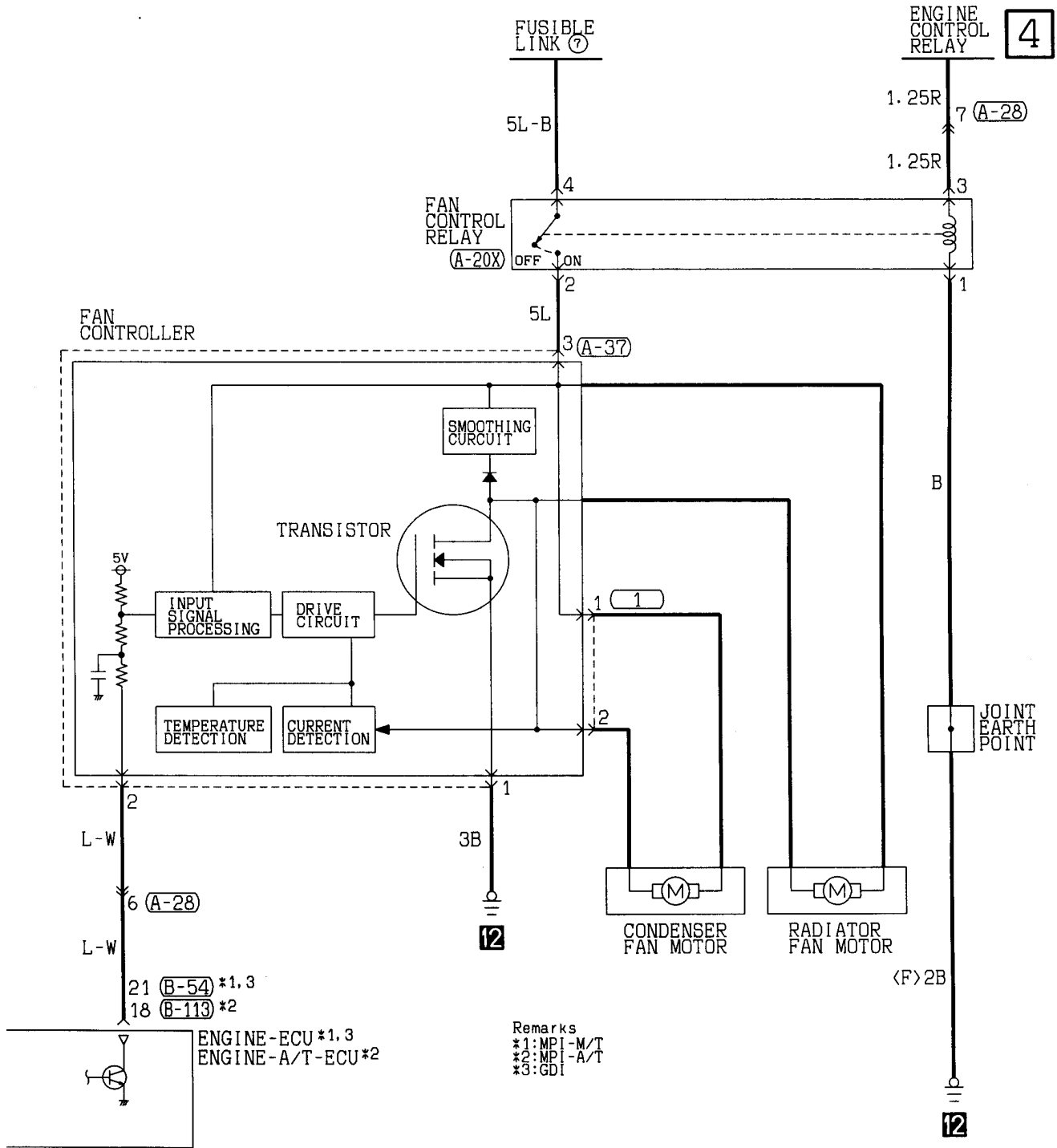


(B-112)



(B-113)





(B-51)

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

(B-53)

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

(B-54)

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-66)

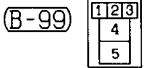
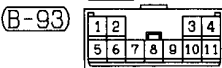
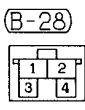
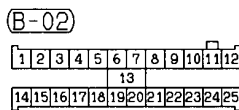
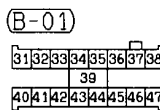
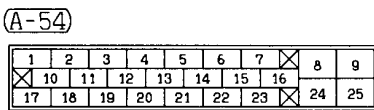
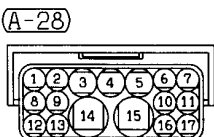
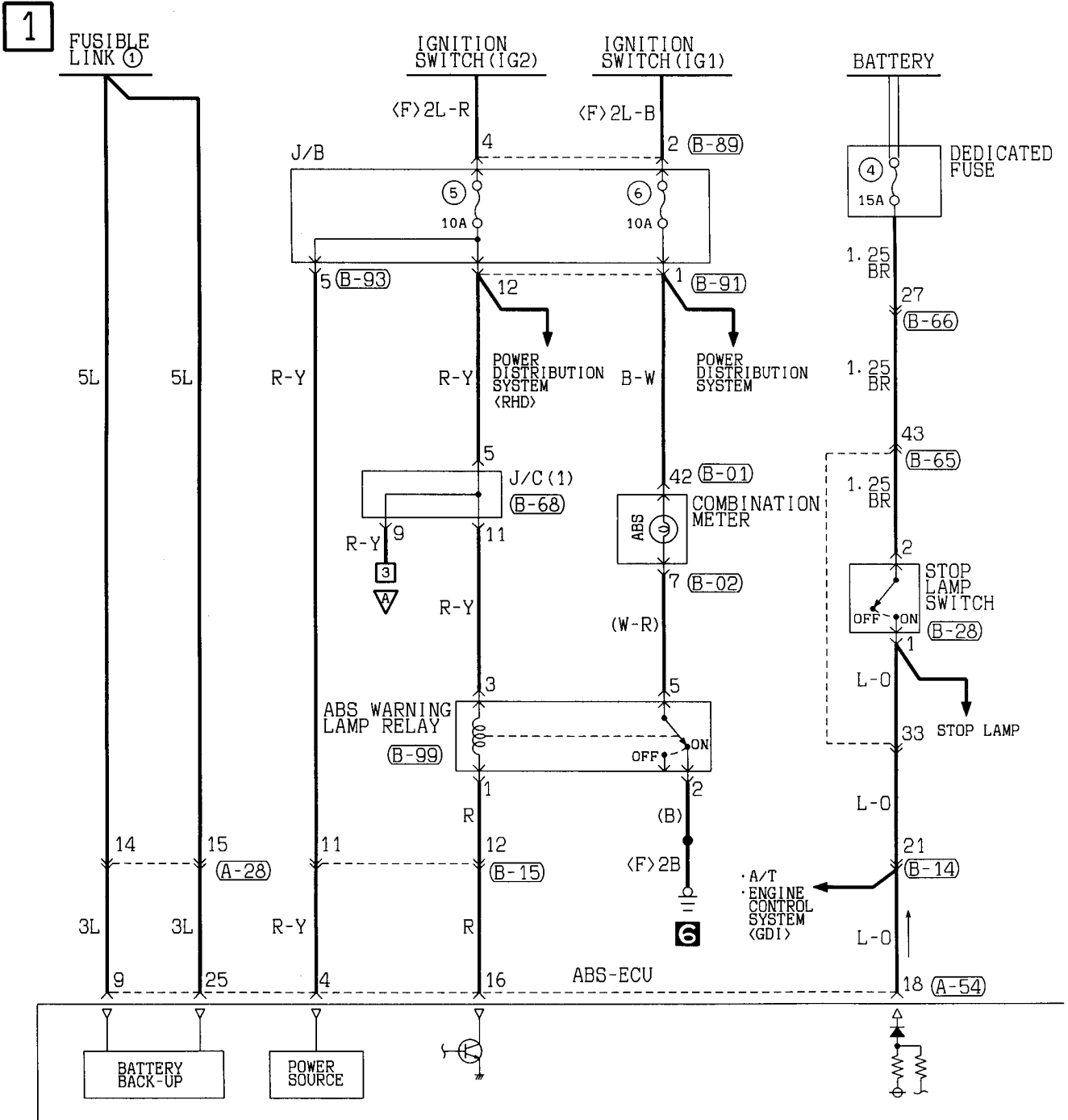
Refer to P. 4-122

(B-111)

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		

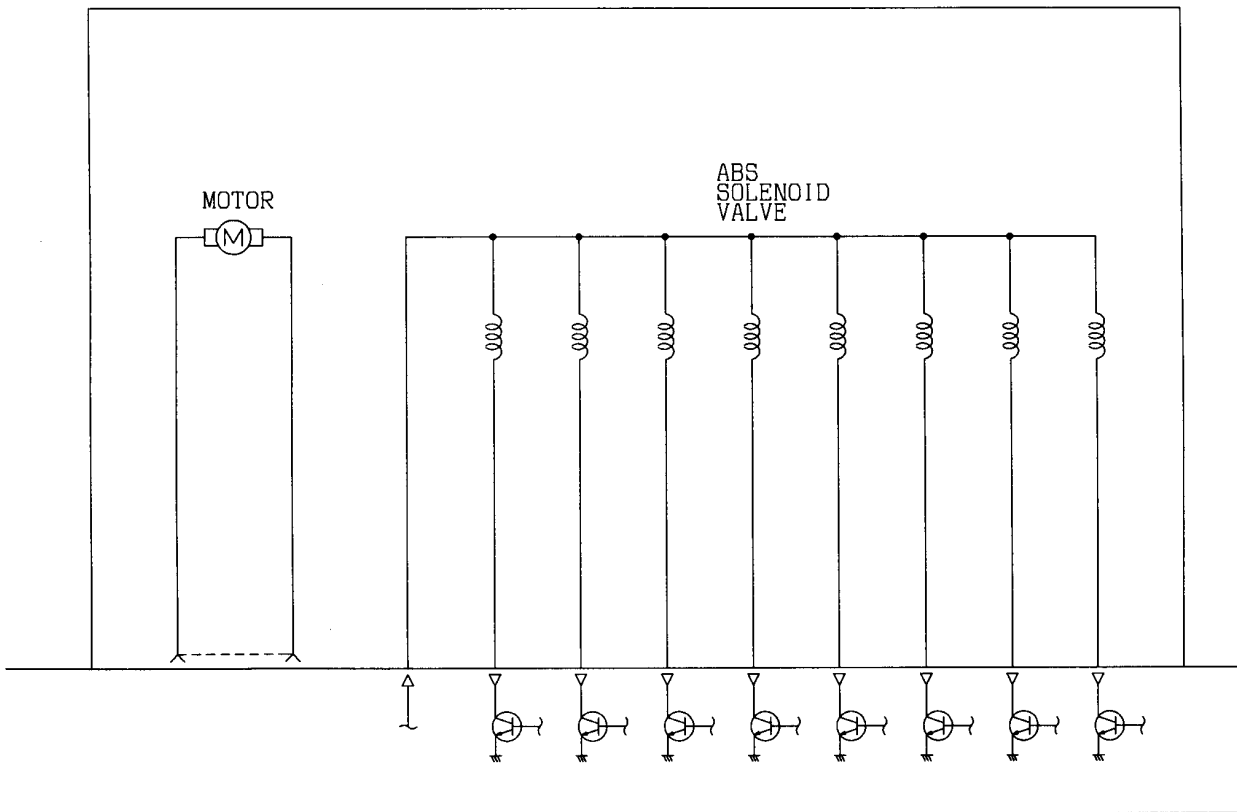
Wire colour code  
 B : Black    LG:Light green    G :Green    L :Blue    W :White    Y :Yellow    SB:Sky blue  
 BR:Brown    O :Orange    GR:Gray    R :Red    P :Pink    V :Violet

ANTI-SKID BRAKING SYSTEM (ABS)



2

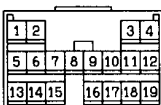
HYDRAULIC UNIT



(B-14)

Refer to P. 4-122

(B-15)



(B-65)

Refer to P. 4-122

(B-66)

Refer to P. 4-122

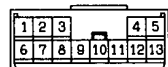
(B-68)



(B-89)



(B-91)

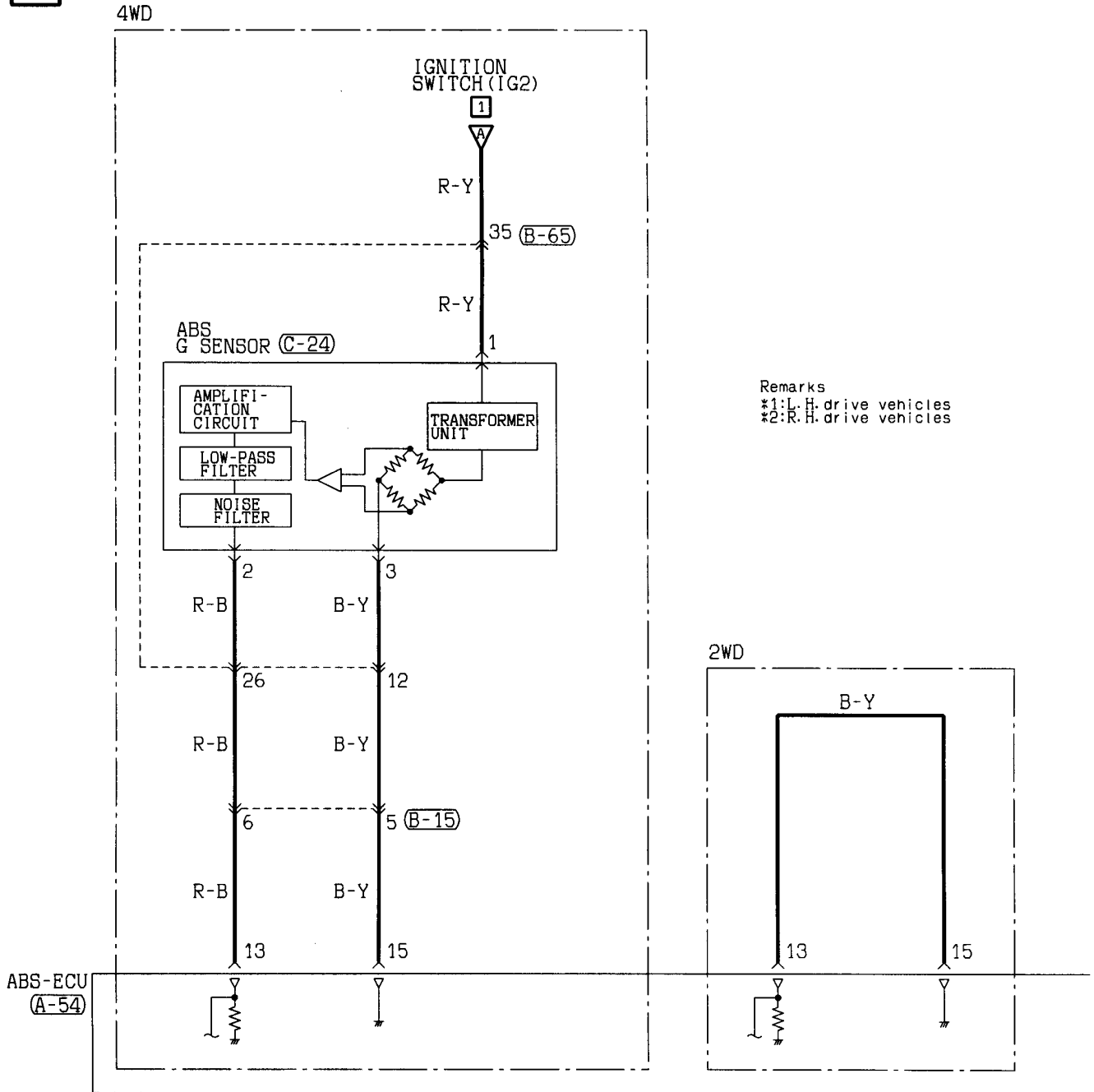


Wire colour code

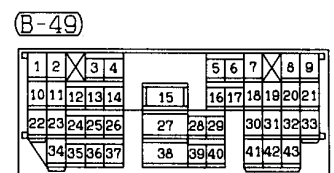
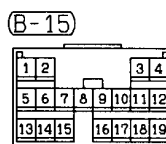
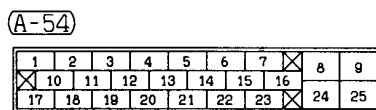
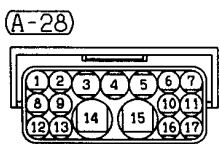
B : Black    LG : Light green    G : Green    L : Blue    W : White    Y : Yellow    SB : Sky blue  
 BR : Brown    O : Orange    GR : Gray    R : Red    P : Pink    V : Violet

ANTI-SKID BRAKING SYSTEM (ABS) (CONTINUED)

3

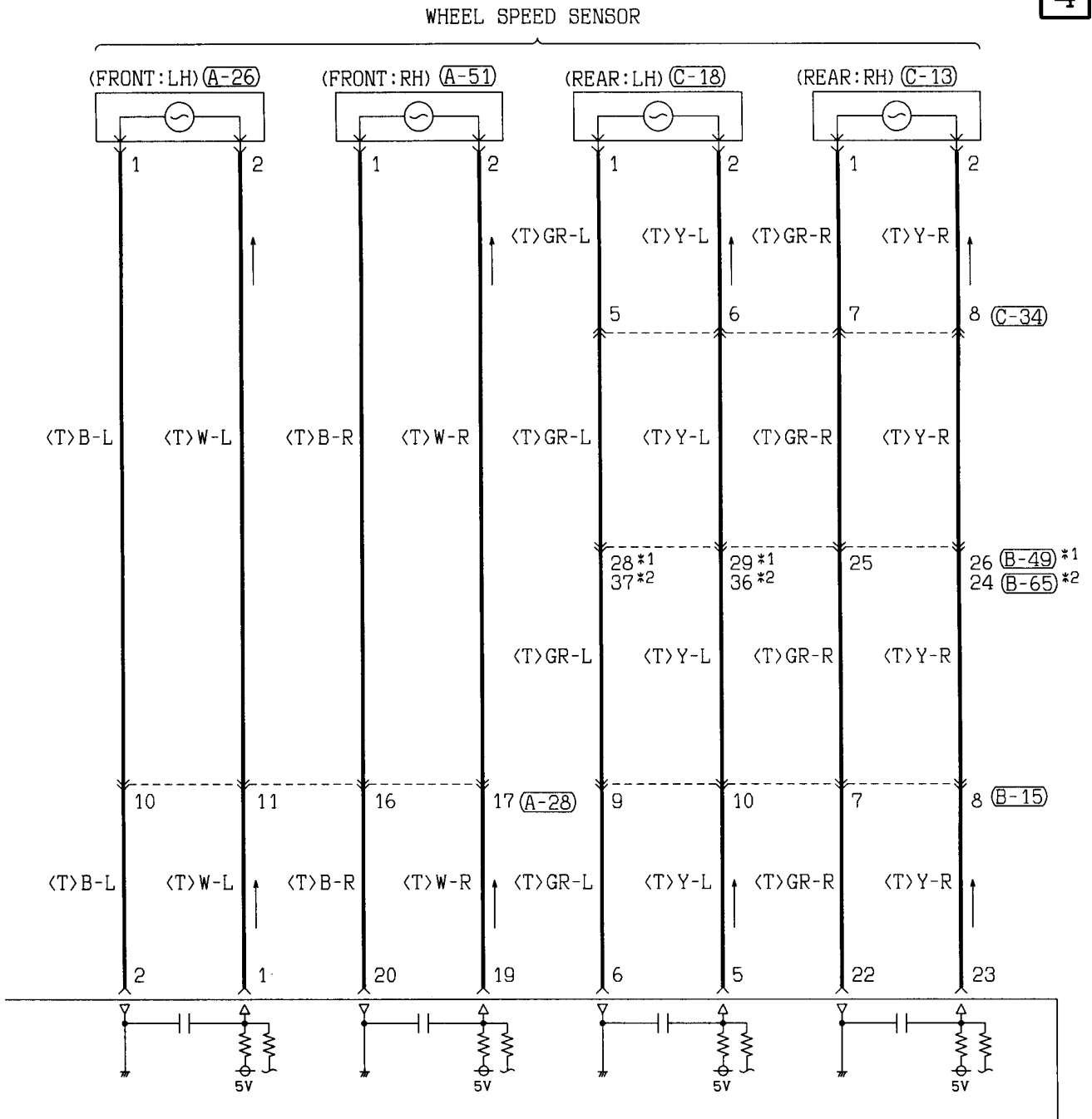


Remarks  
 \*1:L.H. drive vehicles  
 \*2:R.H. drive vehicles

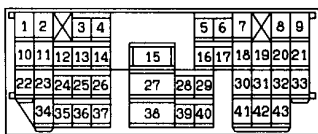




4



(B-65)



(C-13)

(C-18)

(C-24)

(C-34)



Wire colour

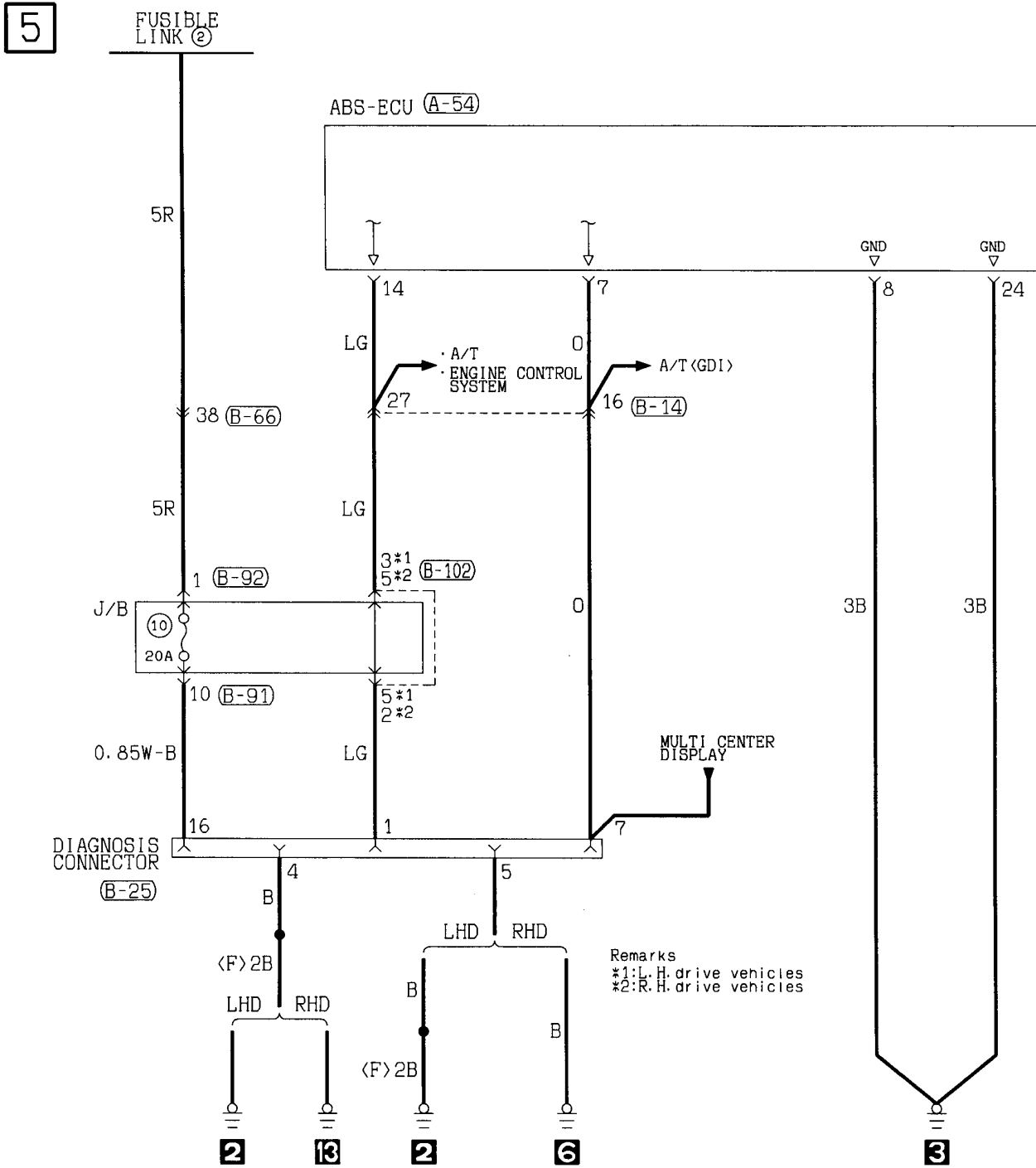
B :Black  
BR:Brown  
W :White  
V :Violet

code  
LG:Light green  
O :Orange  
SB:Sky blue

G :Green  
GR:Gray  
P :Pink

L :Blue  
R :Red  
Y :Yellow

ANTI-SKID BRAKING SYSTEM (ABS) (CONTINUED)



(A-54)

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		

(A-104)

1	2	3
4	5	

(B-01)

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

(B-02)

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

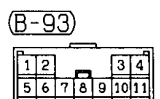
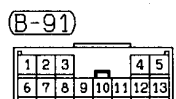
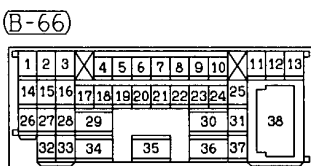
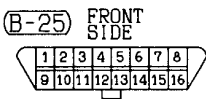
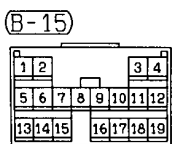
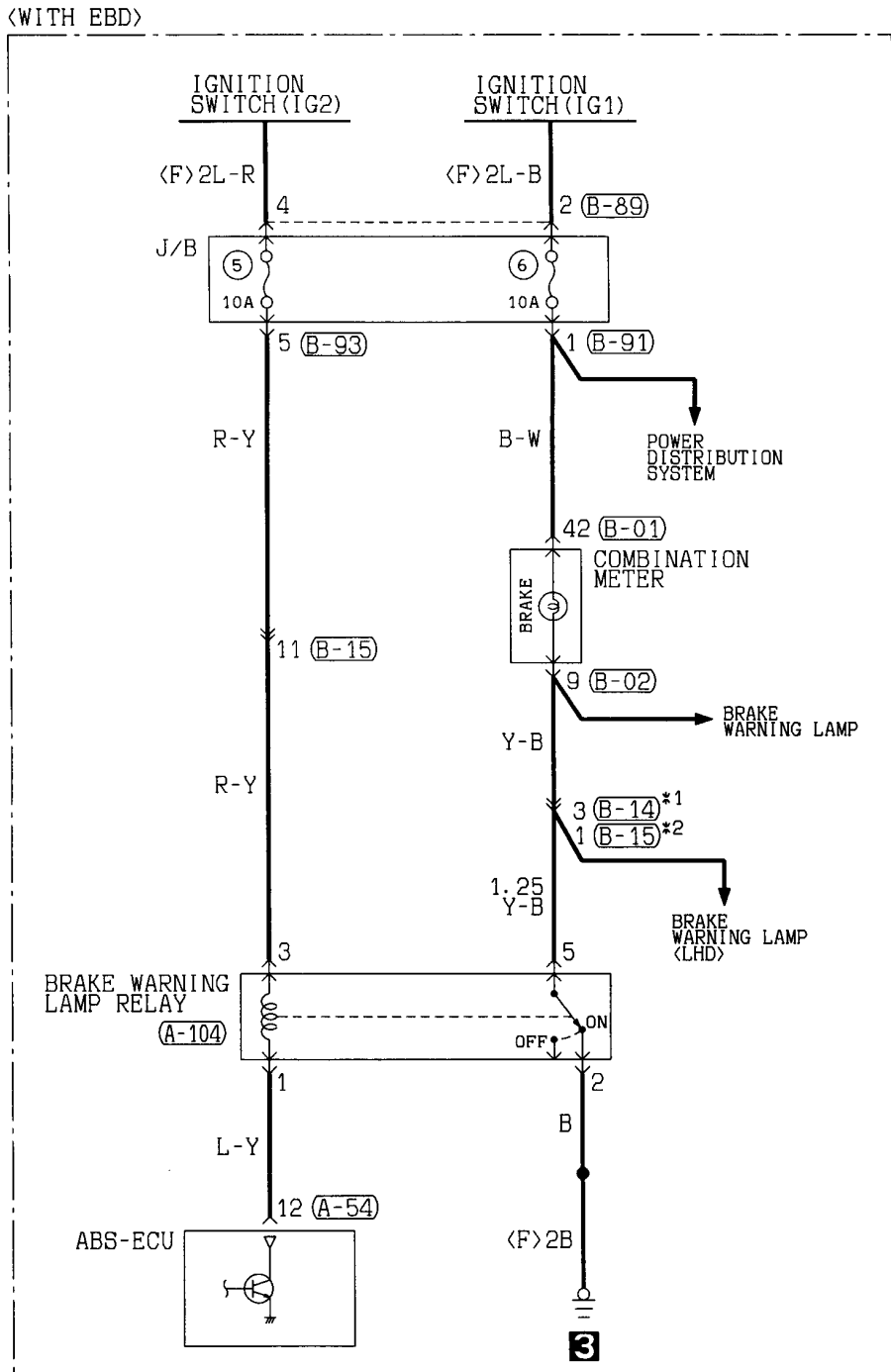
(B-14)

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

(B-102)

1	2	3	4	5
6	7	8	9	10

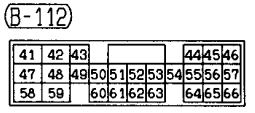
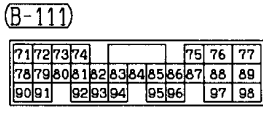
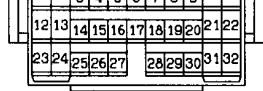
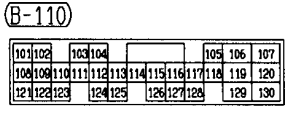
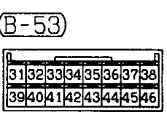
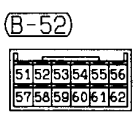
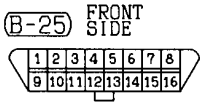
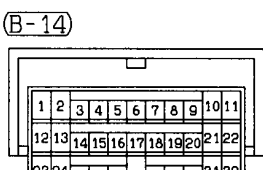
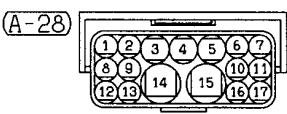
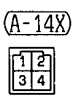
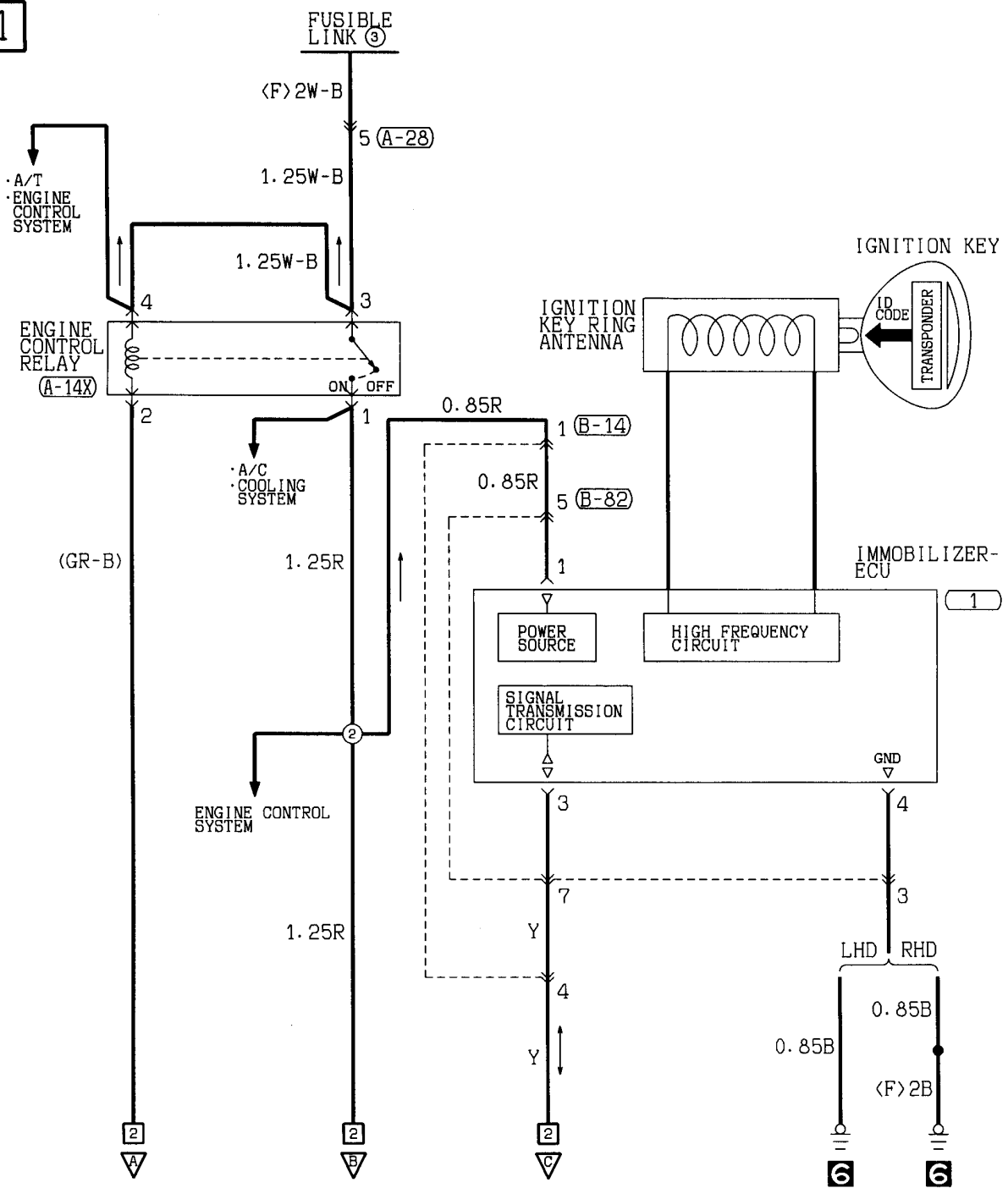
6

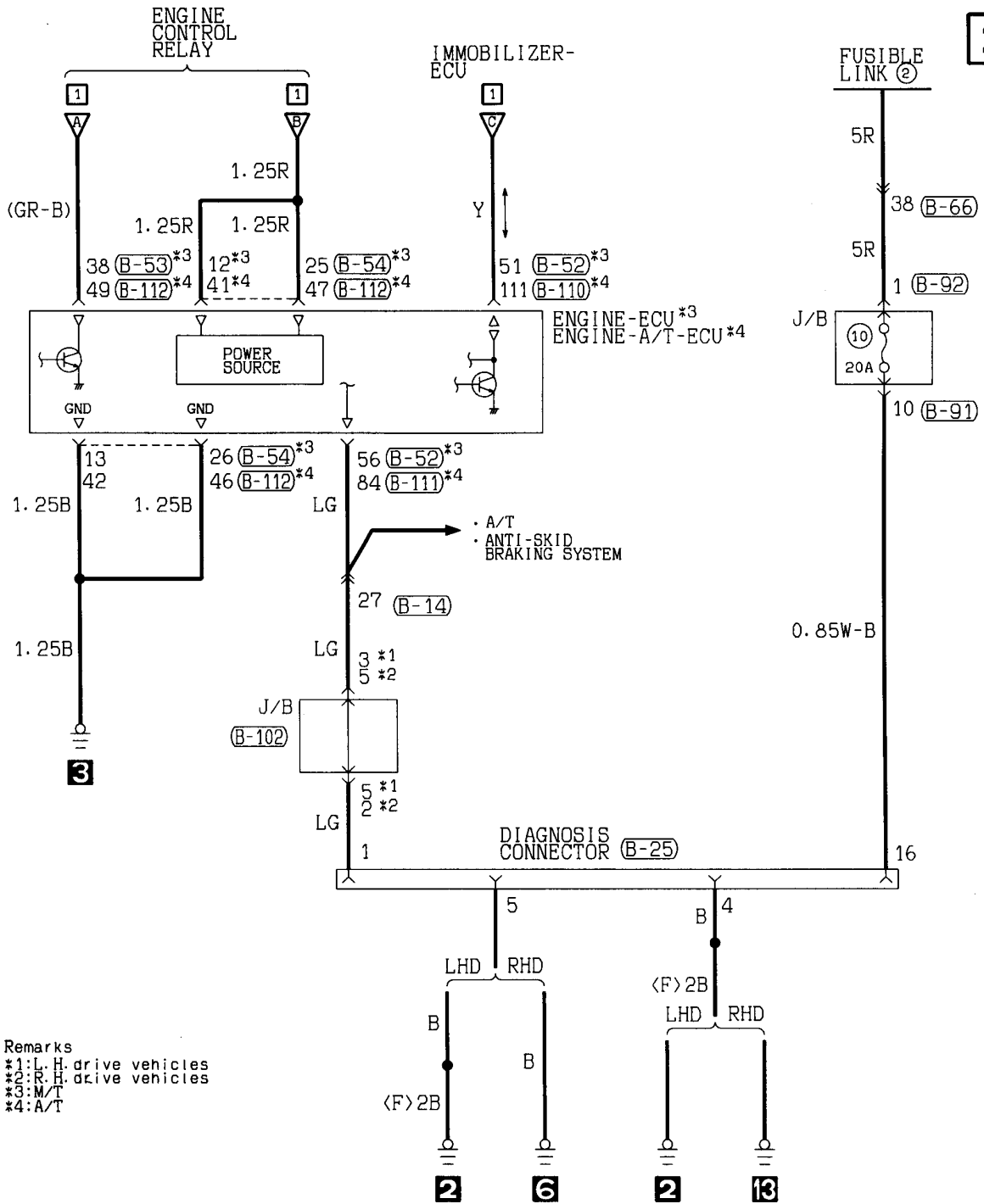


Wire colour code  
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue  
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

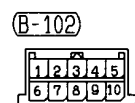
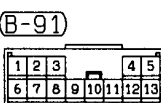
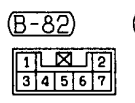
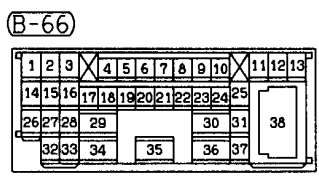
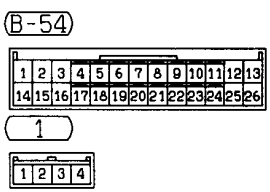
IMMOBILIZER SYSTEM  
MPI

1





Remarks  
 \*1: L. H. drive vehicles  
 \*2: R. H. drive vehicles  
 \*3: M/T  
 \*4: A/T

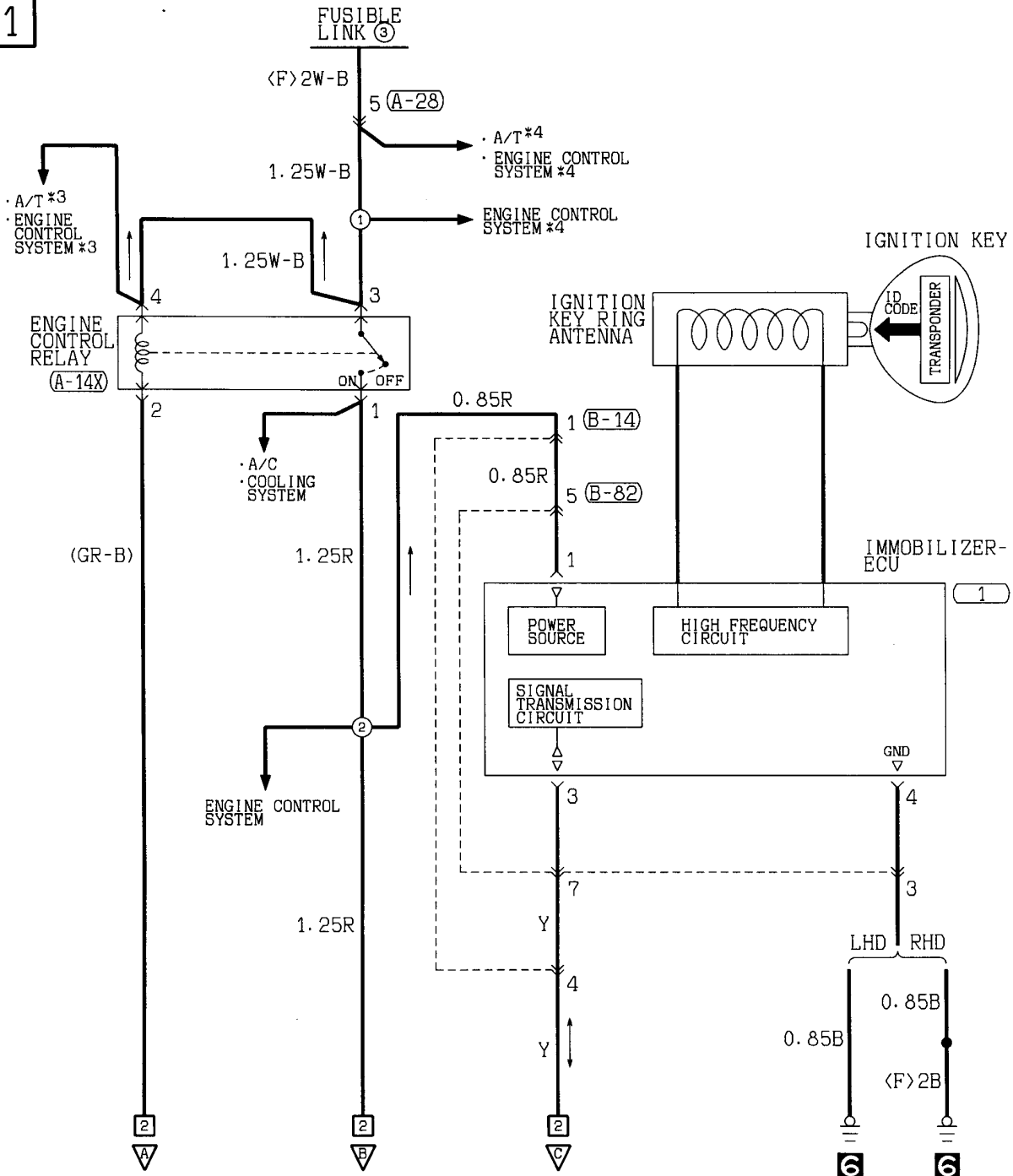


Wire colour code  
 B : Black  
 BR : Brown  
 W : White  
 V : Violet  
 LG : Light green  
 O : Orange  
 SB : Sky blue  
 G : Green  
 GR : Gray  
 P : Pink  
 L : Blue  
 R : Red  
 Y : Yellow

# IMMOBILIZER SYSTEM

## GDI

1



(A-14X)

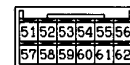
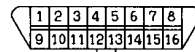
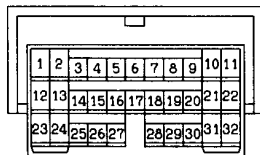
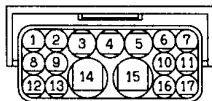
(A-28)

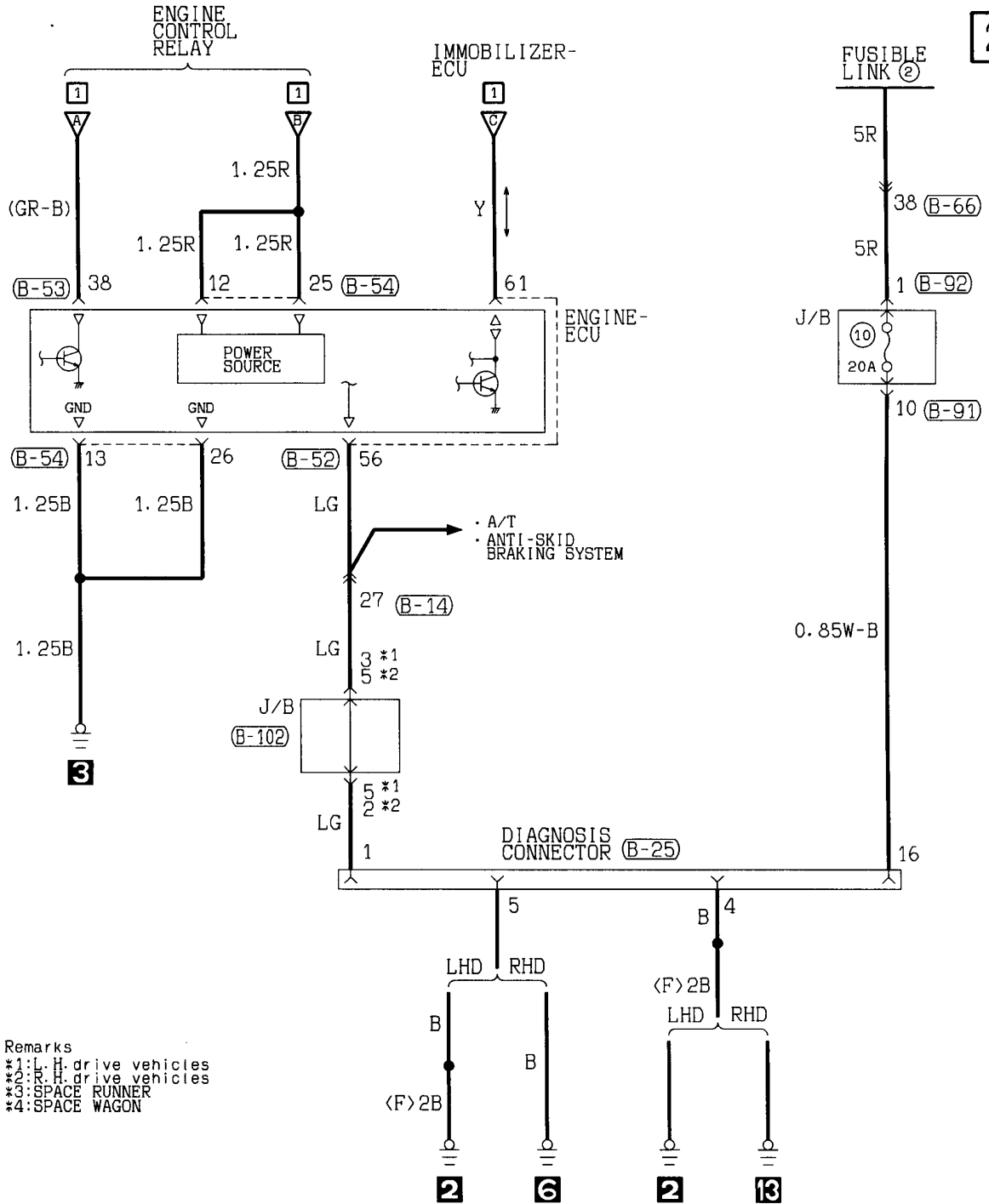
(B-14)

(B-25) FRONT SIDE

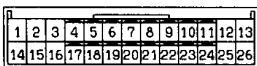
(B-52)

(B-53)

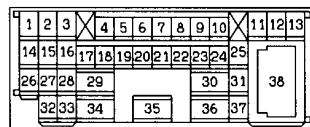




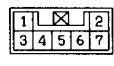
(B-54)



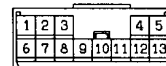
(B-66)



(B-82)



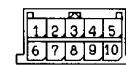
(B-91)



(B-92)



(B-102)



(1)

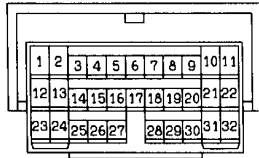


Wire colour code  
 B : Black LG : Light green  
 BR : Brown O : Orange  
 W : White SB : Sky blue  
 V : Violet

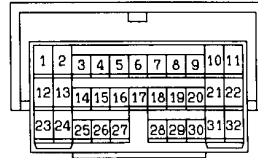
G : Green  
 GR : Gray  
 P : Pink

L : Blue  
 R : Red  
 Y : Yellow

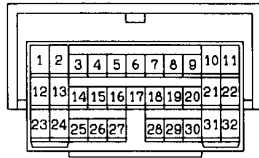
(B-14)



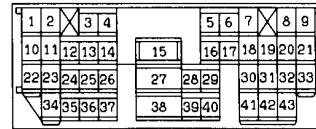
(B-26)



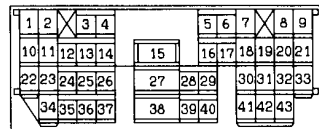
(B-47)



(B-49)



(B-65)



(B-66)

