

MITSUBISHI PAJERO'94

WORKSHOP MANUAL ELECTRICAL WIRING

FILING INSTRUCTION

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Pub. No. PHJE9026-C



ADDED

MITSUBISHI PAJERO

ELECTRICAL WIRING

FOREWORD

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

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

TECHNICAL INFORMATION PYJE9002
MANUAL

WORKSHOP MANUAL PWJE9086
(Loose-leaf edition)

WORKSHOP MANUAL PWEE□□□□
Engine Group (Loose-leaf edition)

PARTS CATALOGUE B6035604A□

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

GROUP INDEX

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



HOW TO USE THIS MANUAL

CONTENTS

The preceding page contains GROUP INDEX which 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 numbers can be found on the top left or right of each page.

OPERATION AND TROUBLESHOOTING HINTS

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

1A HOW TO READ THE WIRING DIAGRAMS

MODEL	1A-3
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NOTES

MODEL**<2-DOOR MODELS>**

Model code		Body style	Engine model	Transmission model	Fuel supply system
V24C	NSFL6	Canvas top	4D56 [2477 cm ³ , (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
V23C	GNHEL6		6G72 [2972 cm ³ , (181.3 cu.in.)]		
	GRHEL6	Canvas top with wide fender	V4AW2 (4A/T)	V5M21 (5M/T)	MPI
V21W	NHEL6		4G64 [2351 cm ³ , (143.5 cu.in.)]		
V24W	NDFL6	Wagon	4D56 [2477 cm ³ , (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
	NHFL6/R6				
	NAFL6				
	NBFL6				
V24WG	NXFL6/R6	Wagon with wide fender	6G72 [2972 cm ³ , (181.3 cu.in.)]	V5M31 (5M/T)	MPI
	NCFL6				
V23W	GNXEL6/R6				
	GRXEL6/R6				
V25W	GNXML6/R6				
	GRXML6/R6				

<4-DOOR MODELS>

Model code		Body style	Engine model	Transmission model	Fuel supply system	
V46W	NDFL6	Wagon	4M40 [2835 cm ³ , (173.0 cu.in.)] with turbocharger and intercooler	V5M31 (5M/T)	Injection	
	NDFCL6					
	NHFL6/R6					
	RHFL6/R6					
	NAFL6			V5M31 (5M/T)		
	NAFCL6					
	NBFL6					
	RBFL6					
V46WG	NXFL6/R6	Wagon with wide fender	6G72 [2972 cm ³ , (181.3 cu.in.)]	V4AW3 (4A/T)	MPI	
	RXFL6/R6			V5M31 (5M/T)		
	NCFL6			V4AW3 (4A/T)		
	RCFL6			V5M31 (5M/T)		
V43W	GNXEL6/R6			V4AW3 (4A/T)		
	GRXEL6/R6			V5MT1 (5M/T)		
V45W	GNXML6/R6			V4AW2 (4A/T)		
	GRXML6/R6			V5M31 (5M/T)		

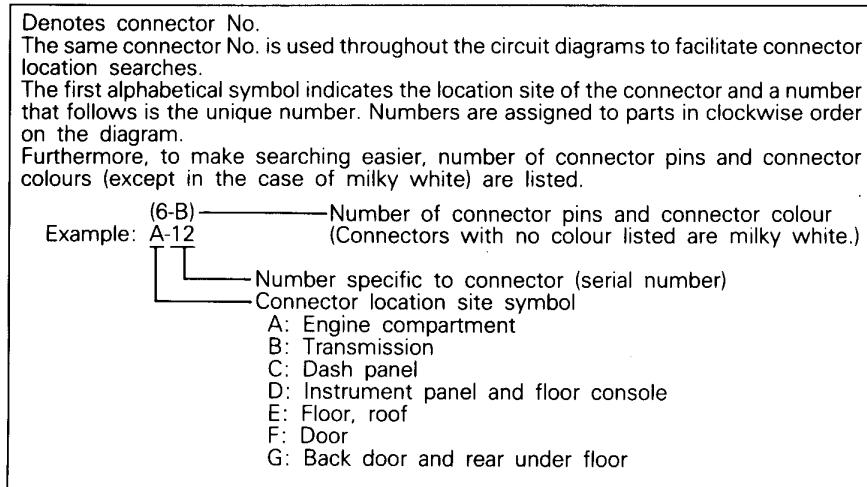
COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

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

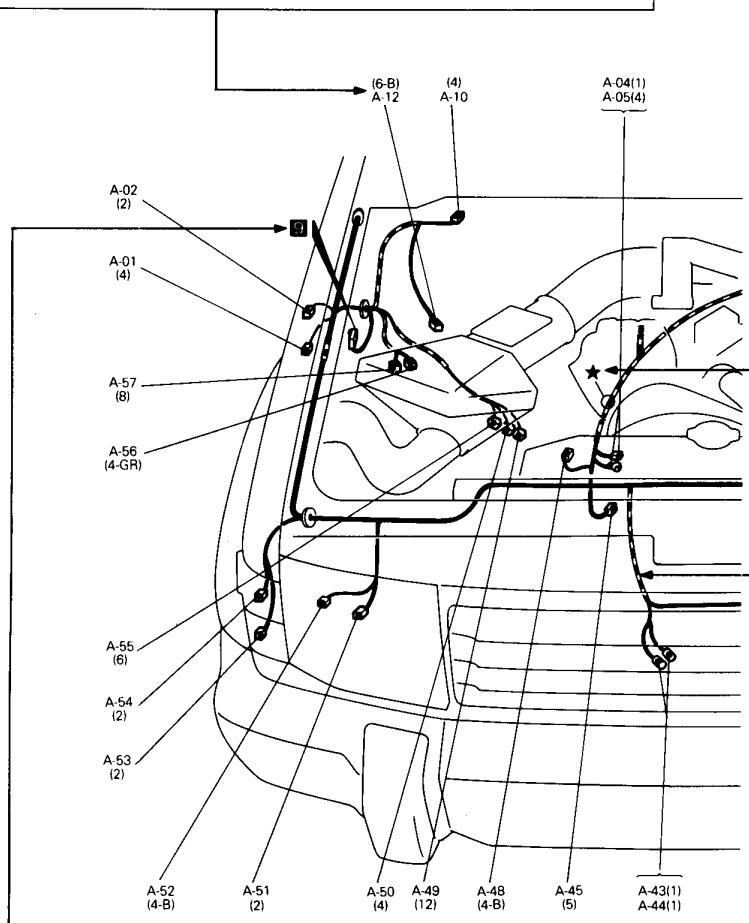
Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for earth points of relays, control units, sensors, diodes, check terminals, spare terminals, fusible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

HOW TO READ CONFIGURATION DIAGRAMS

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



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



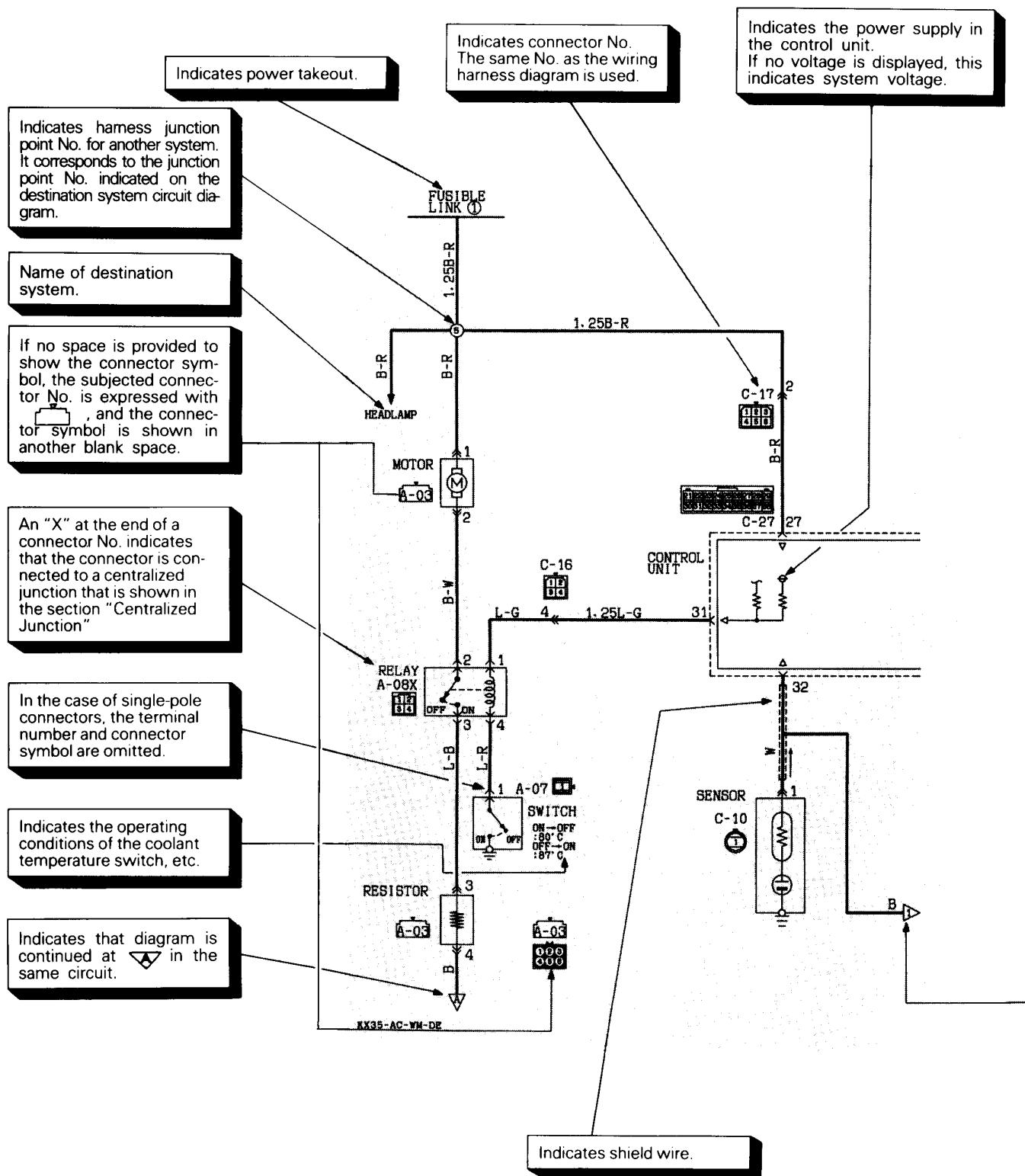
Denotes earth point.
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to GROUP 3A SINGLE PART INSTALLATION POSITION-EARTH MOUNTING LOCATIONS for details of earth points.

Denotes a section covered by a corrugated tube.

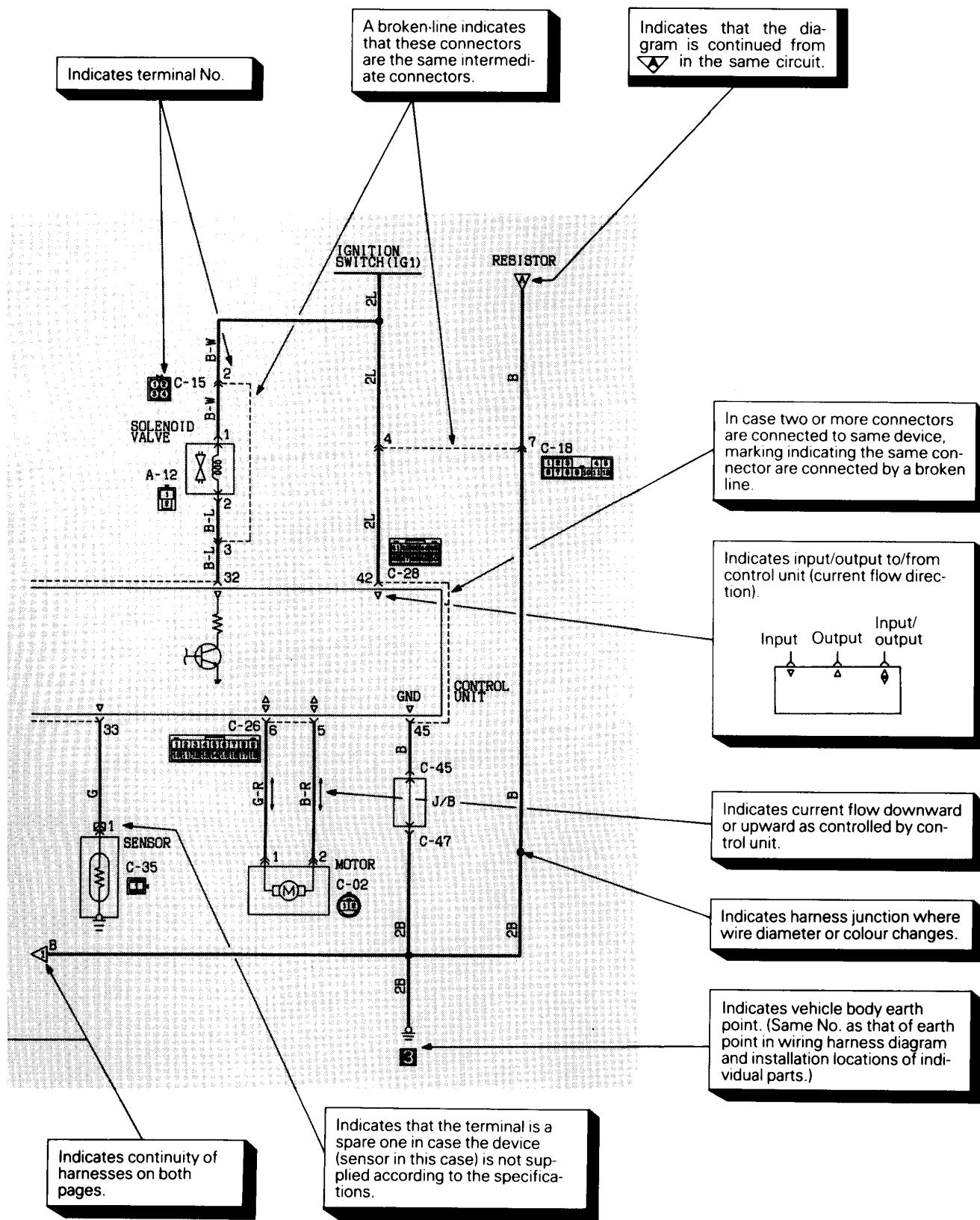
1A-6 HOW TO READ THE WIRING DIAGRAMS — How to Read Circuit Diagrams

HOW TO READ CIRCUIT DIAGRAMS

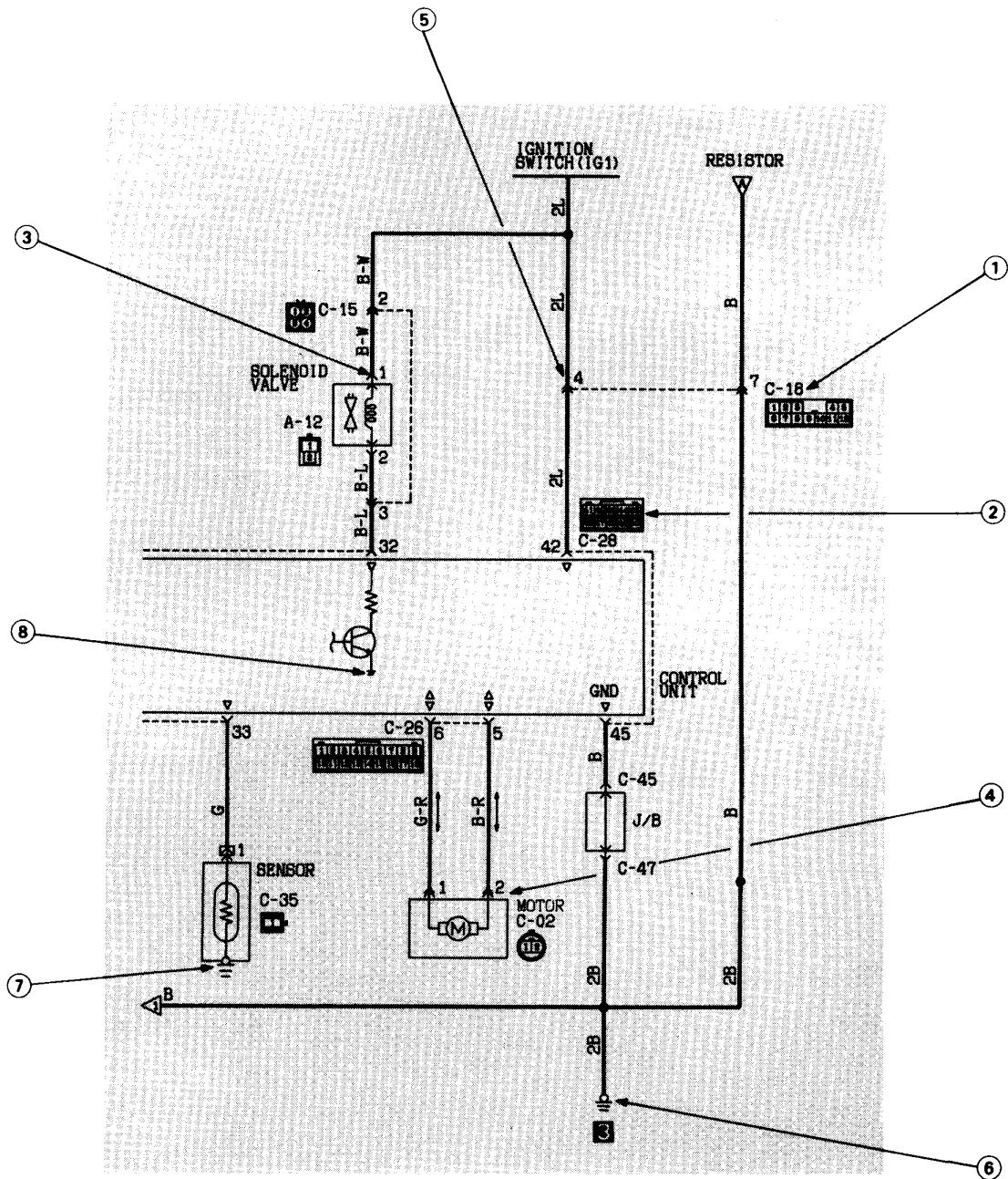
The circuit of each system from fuse (or fusible link) to earth is shown. The power supply is shown at the top and the earth at the bottom to facilitate understanding of the current flow.



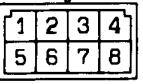
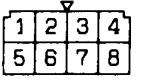
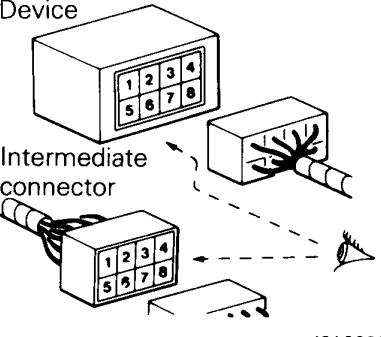
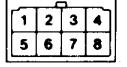
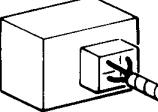
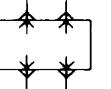
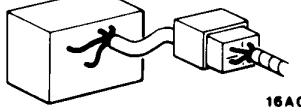
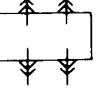
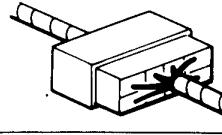
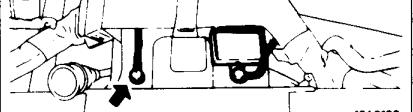
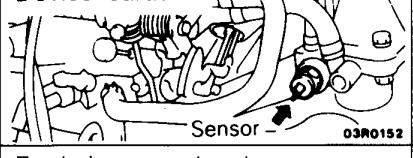
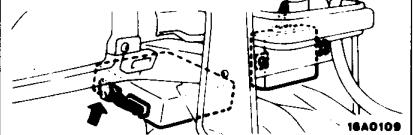
HOW TO READ THE WIRING DIAGRAMS — How to Read Circuit Diagrams 1A-7



MARKINGS FOR CONNECTOR EARTHING



HOW TO READ THE WIRING DIAGRAMS — Markings for Connector Earthing 1A-9

	No	Item	Symbol	Contents
Connector marking	①	Male 	↓	Double connector contour lines indicate male connector terminals and single contour line indicates female terminals as illustrated here.
	—	Female 	↑	
Connector symbol marking	②	Device  Intermediate connector 16A0333		The symbol indicates the connector as viewed from illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, male connector symbol is shown. For the data link connector, its contents differ from the previous description. Refer to "MUT-II operation instruction" in detail.
Connector connection marking	③	Direct connection type 		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished. (harness connection type). The two types are indicated as illustrated.
	④	Harness connection type  16A0334		
	⑤	Intermediate connector  16A0339		
Earth markings	⑥	Body earth  16A0136		Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	⑦	Device earth  Sensor 03R0152		
	⑧	Earth in control unit  16A0109		

1A-10 HOW TO READ THE WIRING DIAGRAMS — Symbolic Marks/Wire Colour Codes

SYMBOLIC MARKS

Devices appearing in circuit diagrams are indicated by the following symbols.

Battery	Body earth	Single bulb	Resistor	Diode	Capacitor
Fuse	Equipment earth	Dual bulb	Variable resistor	Zener diode	Crossing of wires without connection
Fusible link	ECU interior earth	Speaker	Coil	Transistor	Crossing of wires with connection
Connector	Motor	Horn	Pulse generator	Buzzer	Chime
Female side Male side					
Thyristor	Piezoelectric device	Thermistor	Light emitting diode	Photo diode	Photo transistor

WIRE COLOUR CODES

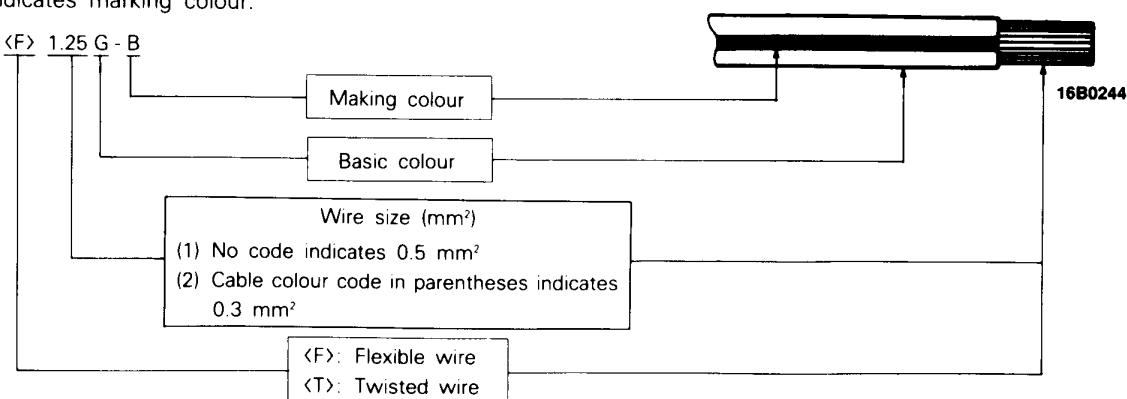
Wire colours are identified by the following colour codes.

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

NOTE

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

Example: <F> 1.25 G - B



CONNECTOR COLOUR CODES

Connector colours are identified by the following colour codes.

Code	Connector colour	Code	Connector colour
B	Black	L	Blue
BR	Brown	R	Red
G	Green	Y	Yellow
GR	Gray		

ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4D56	4D56 engine	GND	Earth
4G64	4G64 engine	ILL	Illumination lamp
4M40	4M40 engine	IND	Indication lamp
6G72	6G72 engine	J/B	Junction block
6G74	6G74 engine	J/C	Joint connector
ABS	Anti-lock brake system	LHD	L.H. drive vehicles
A/C	Air conditioner	MPI	Multi-point injection
A/T	Automatic transmission	M/T	Manual transmission
DIESEL	Diesel-powerd vehicles	PETROL	Petrol-powerd vehicles
DRL	Daytime running lamp	RHD	R.H. drive vehicles
EGR	Exhaust gas recirculation	SRS	Supplemental restraint system
ELC-4A/T	Electronic control 4-speed automatic transmission		

Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
2WD	2WD indicator lamp	H	Hard mode indicator lamp <Remote controlled variable shock absorber>
4WD	4WD indicator lamp		
ABS	Anti-lock brake system warning lamp		
A/T TEMP	Automatic transmission fluid temperature warning lamp	HAZARD	Hazard warning indicator lamp
BEAM	Upper beam indicator lamp	HOLD	Hold mode indicator lamp <ELC-4A/T>
BRAKE	Brake warning lamp		
C/D LOCK	Center differential lock indicator lamp		
CHECK ENGINE	Check engine warning lamp	M	Medium mode indicator lamp <Remote controlled variable shock absorber>
CHG	Charging warning lamp		
CRUISE	Auto-cruise control indicator lamp		
DOOR	Door-ajar warning lamp	OIL LEVEL	Low engine oil warning lamp
F/GA	Fuel gauge	POWER	Power mode indicator lamp <ELC-4A/T>
FILTER	Fuel filter warning lamp		
FUEL	Low fuel warning lamp	R/D LOCK	Rear differential lock indicator lamp
GLOW	Diesel preheat indicator lamp	REED	Reed switch

1A-12 HOW TO READ THE WIRING DIAGRAMS — Abbreviation Symbols

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
S	Soft mode indicator lamp <Remote controlled variable shock absorber>	TACHO	Tachometer
		T/GA	Engine coolant temperature gauge
		TURN (LH)	Turn signal indicator lamp (L.H.)
SPEED	Speedometer	TURN (RH)	Turn signal indicator lamp (R.H.)
		WASHER	Low washer fluid warning lamp

Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbol	Operation	Name of switches and relays	Abbreviation symbol	Operation
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit starts functions	Rear heater control switch or Rear A/C control switch	LO	Rear blower operates at low speed
	IG1	Even when at the ST (START) position, the power circuit start functioning		M	Rear blower operates at medium speed
	IG2	When at the ST (START) position, the power circuit dose not start functioning		HI	Rear blower operates at high speed
Dimmer passing switch	LO	Low beams ON	Air conditioner switch	ECONO	1st position (economical operation)
	HI	High beams ON		A/C	2nd position (full load operation)
Lighting switch	TAIL	Position, tail, license-plate and instrument panel lamps ON	Windshield wiper switch	LO	Wipers operate at low speed
	HEAD	Headlamps ON		HI	Wipers operate at high speed
Room lamp switch	DOOR	Room lamp ON when a door is open		INT	Wipers operate intermittently
		Rear wiper switch	LO	Wipers operate at low speed	
Turn signal switch	LH		L.H. turn signal lamps ON	INT	Wiper operate intermittently
	RH	R.H. turn signal lamps ON	Remote control mirror switch	LH	L.H. mirror operates
Power window switch	UP	Window closed		RH	R.H. mirror operates
	DOWN	Window opened	Sunroof switch	OPEN	Sunroof slides open
Door lock actuator	LOCK	Door locked		CLOSE	Sunroof slides to close
	UNLOCK	Door unlocked		S	Sets the shock absorbers to SOFT mode
Door key cylinder switch	LOCK	Door locked	Variable shock absorber control switch	M	Sets the shock absorbers to MEDIUM mode
	UNLOCK	Door unlocked		H	Sets the shock absorbers to HARD mode
Blower switch	LO	Blower operates at low speed	Rear differential lock switch	LOCK	Rear differential locked
	ML	Blower operates at medium speed		UNLOCK	Rear differential unlocked
	MH	Blower operates at medium high speed	Heated seat switch	LO	Normal heating
	HI	Blower operates at high speed		HI	Rapid heating
			Others	ON	Switched on
				OFF	Switched off

2A WIRING HARNESS CONFIGURATION DIAGRAMS

OVERALL WIRING DIAGRAM

2-door models <L.H. drive vehicles>	2A-2
2-door models <R.H. drive vehicles>	2A-2
4-door models <L.H. drive vehicles>	2A-3
4-door models <R.H. drive vehicles>	2A-3

ENGINE COMPARTMENT [A]

Vehicles with 4G64 engine	2A-4
L.H. drive vehicles with 6G72 engine	2A-8
R.H. drive vehicles with 6G72 engine	2A-12
L.H. drive vehicles with 6G74 engine	2A-16
R.H. drive vehicles with 6G74 engine	2A-20
L.H. drive vehicles with 4D56 engine	2A-24
R.H. drive vehicles with 4D56 engine	2A-28
L.H. drive vehicles with 4M40 engine	2A-32
R.H. drive vehicles with 4M40 engine	2A-36

TRANSMISSION [B]

Part time 4WD	2A-40
Super select 4WD	2A-41

DASH PANEL [C]

L.H. drive vehicles	2A-42
R.H. drive vehicles	2A-44

INSTRUMENT PANEL AND FLOOR CONSOLE [D]

L.H. drive vehicles <M/T>	2A-46
R.H. drive vehicles <M/T>	2A-47
L.H. drive vehicles <A/T>	2A-48
R.H. drive vehicles <A/T>	2A-49

FLOOR AND ROOF [E]

2-door models <L.H. drive vehicles>	2A-50
2-door models <R.H. drive vehicles>	2A-51
4-door models <L.H. drive vehicles>	2A-52
4-door models <R.H. drive vehicles>	2A-53

DOOR [F]

2-door models <L.H. drive vehicles>	2A-54
2-door models <R.H. drive vehicles>	2A-55
4-door models <L.H. drive vehicles>	2A-56
4-door models <R.H. drive vehicles>	2A-57

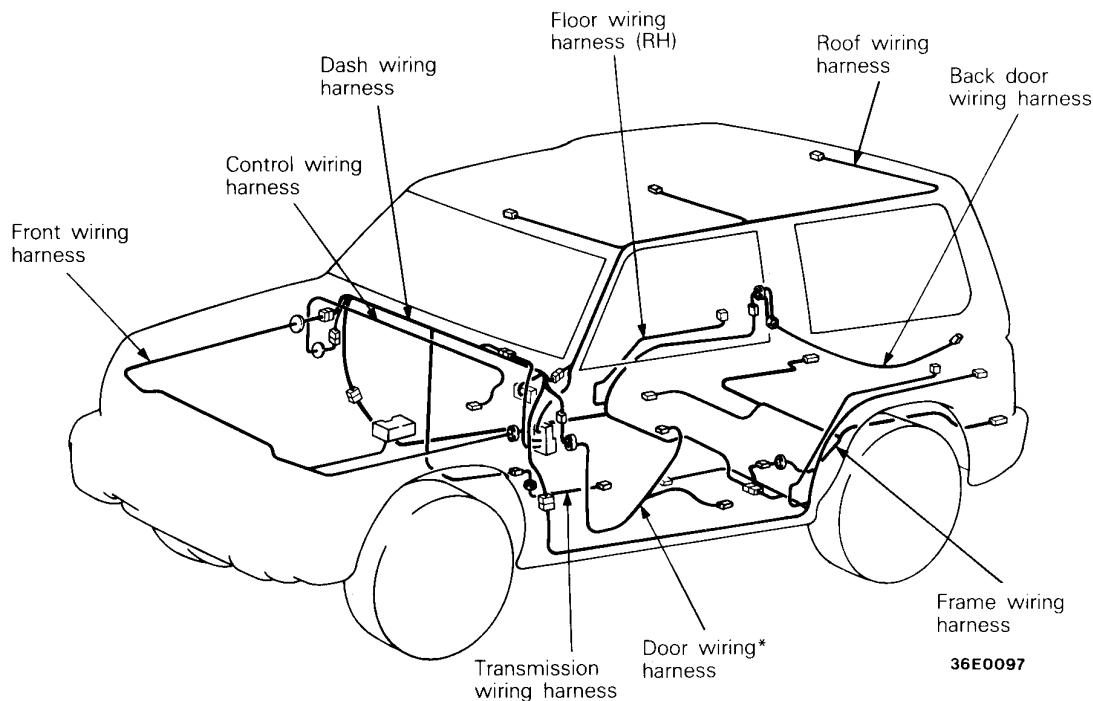
BACK DOOR AND REAR UNDER FLOOR [G]

2A-58

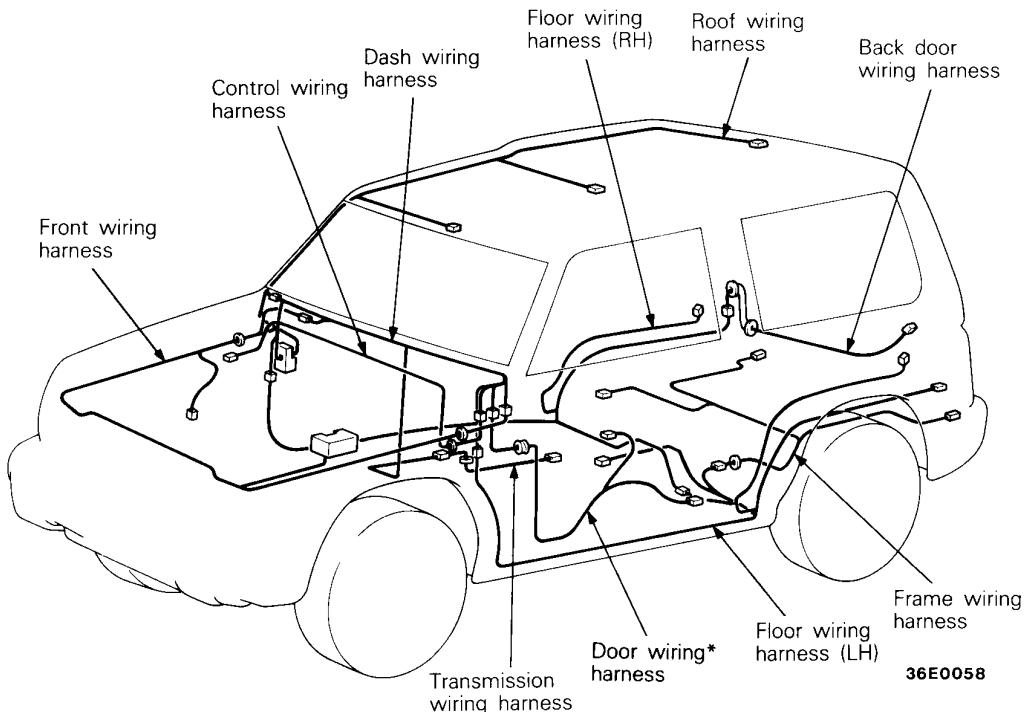
2A-2 WIRING HARNESS CONFIGURATION DIAGRAMS — Overall Wiring Diagram

OVERALL WIRING DIAGRAM

2-door models <L.H. drive vehicles>



2-door models <R.H. drive vehicles>

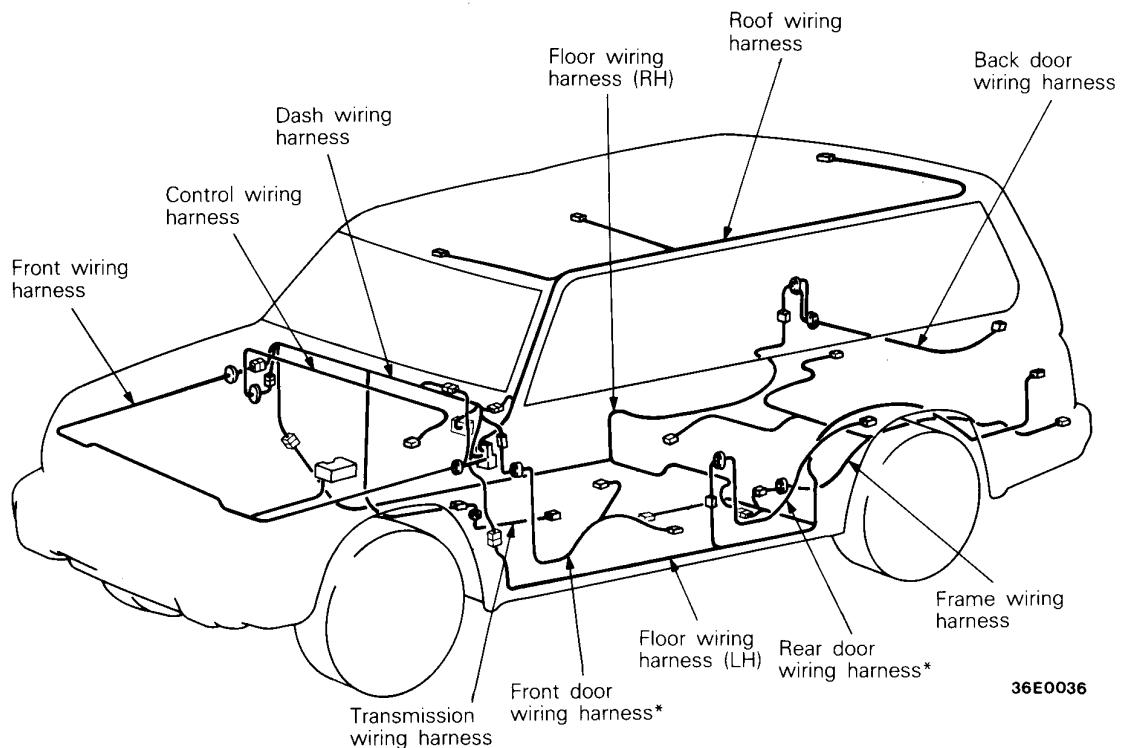


NOTE

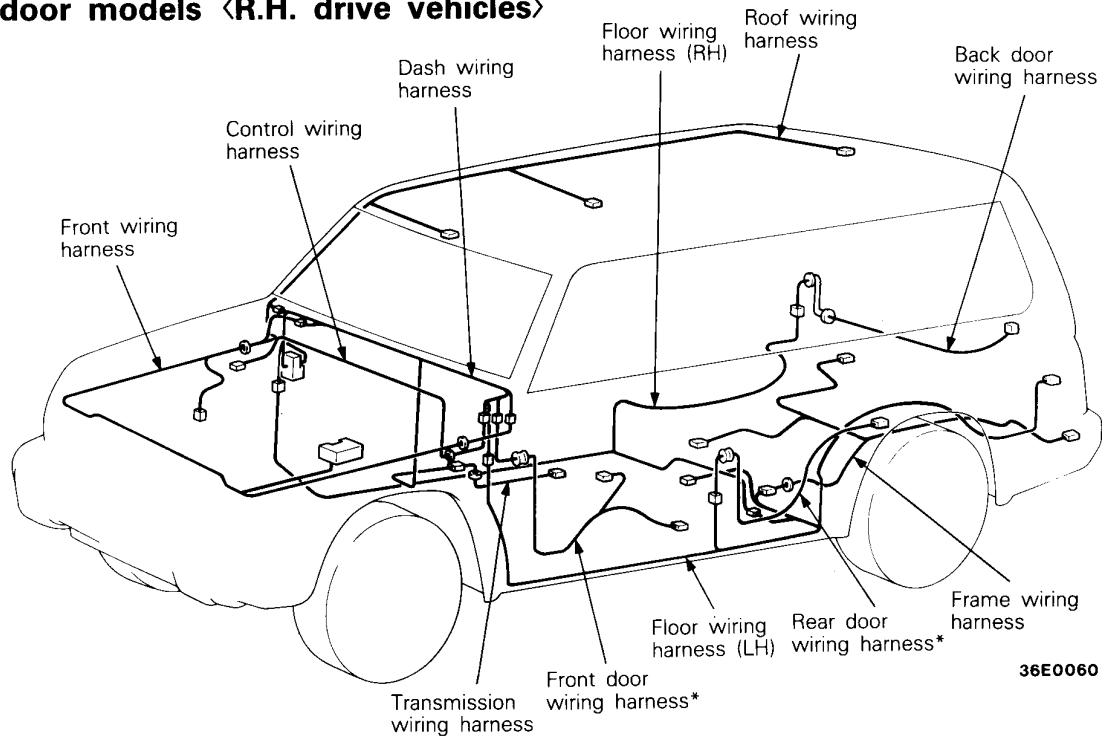
- (1) This illustration shows only the major wiring harness.
- (2) *indicates also equipped at the right side.

WIRING HARNESS CONFIGURATION DIAGRAMS — Overall Wiring Diagram 2A-3

4-door models < L.H. drive vehicles >



4-door models < R.H. drive vehicles >

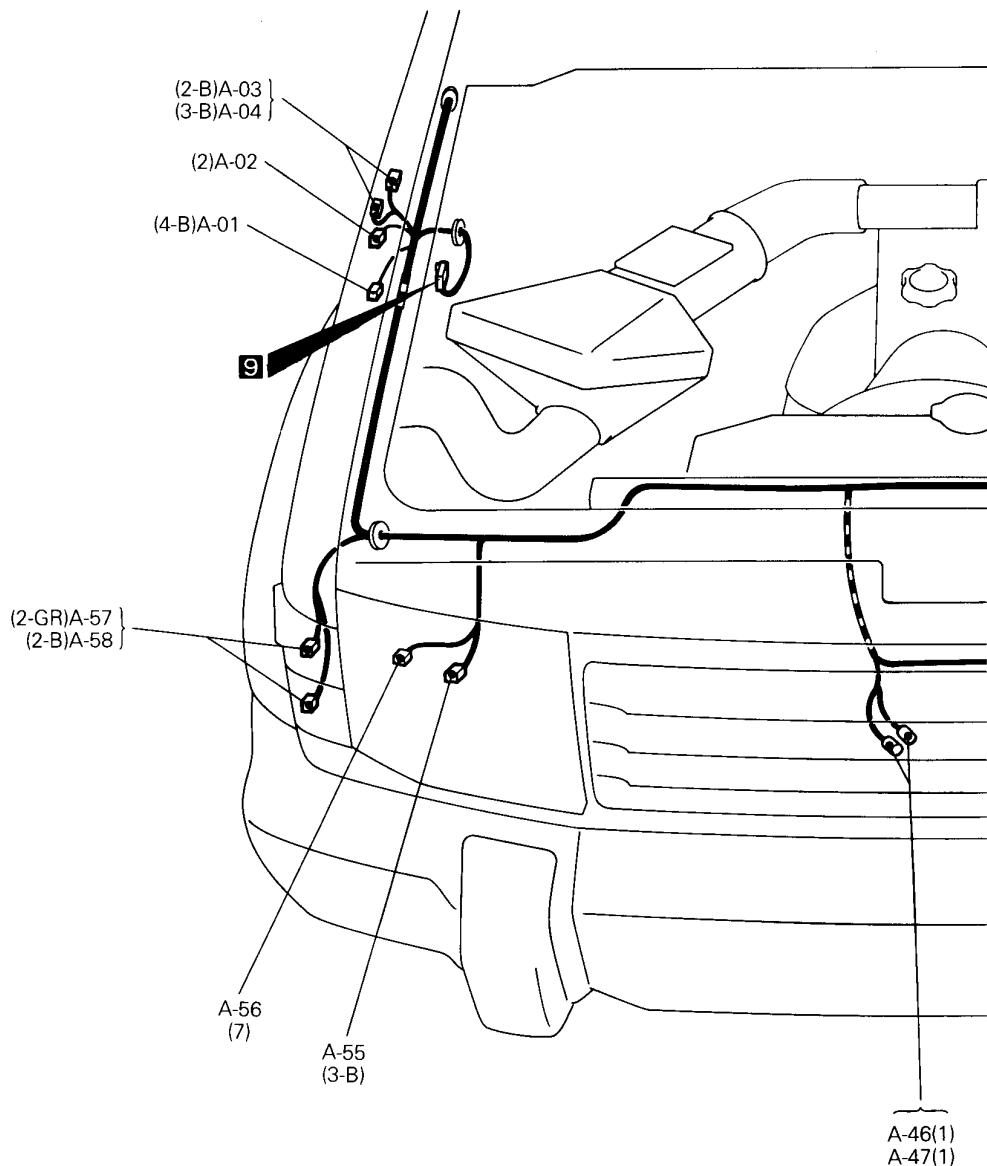
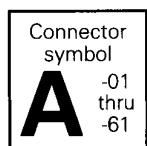


NOTE

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

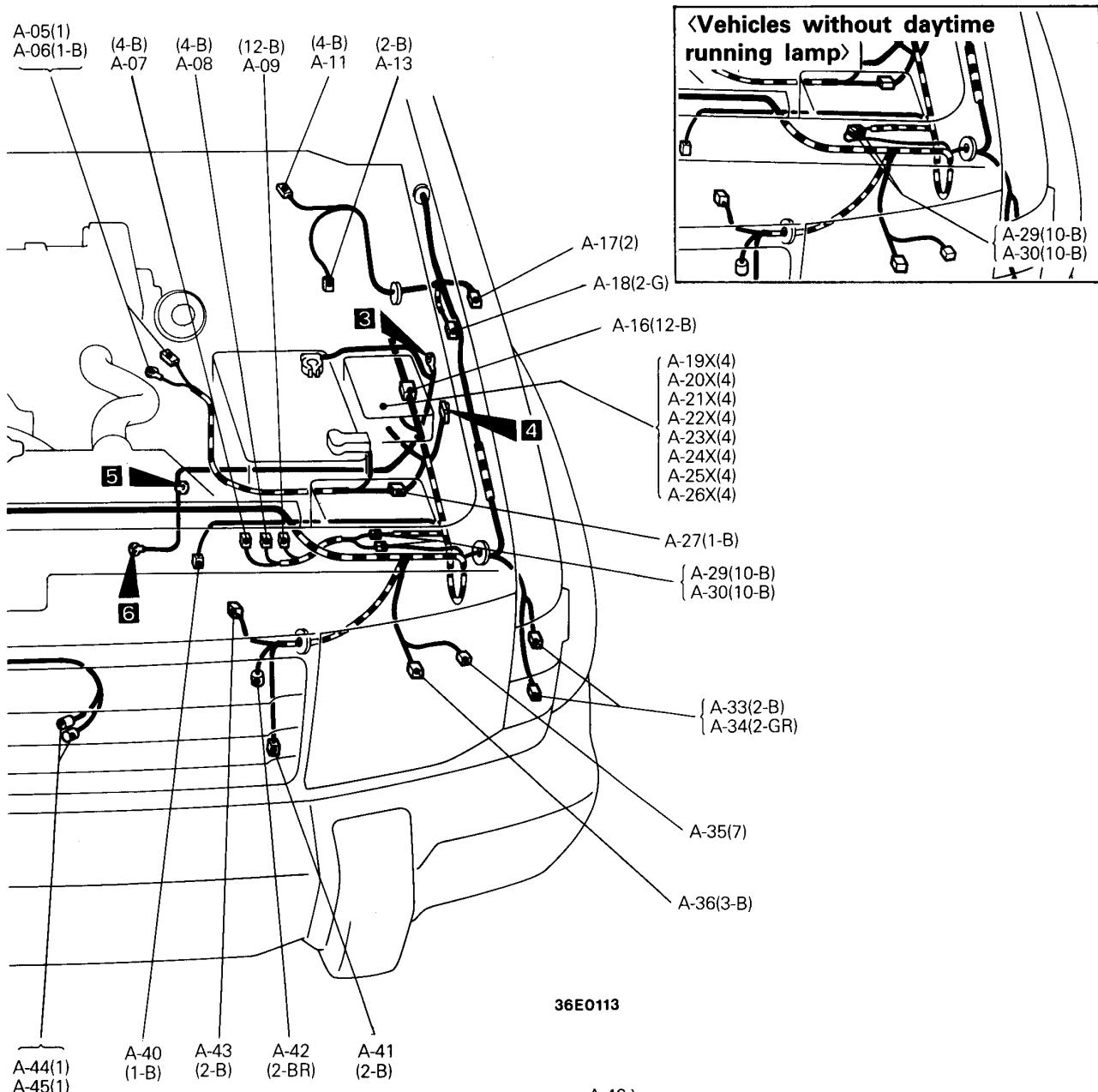
ENGINE COMPARTMENT

Vehicles with 4G64 engine



A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-14	—
A-02	Side turn signal lamp (RH)	A-15	—
A-03 } A-04 }	Motor antenna	A-16	Control wiring harness and front wiring harness combination
A-05 } A-06 }	Starter	A-17	Side turn signal lamp (LH)
A-07	Daytime running lamp relay 2	A-18	Windshield washer motor
A-08	Daytime running lamp relay 1	A-19X } thru	Refer to centralized junction
A-09	Daytime running lamp control unit	A-26X }	
A-10	—	A-27	Battery cable and front wiring harness combination
A-11	Windshield wiper motor	A-28	—
A-12	—	A-29 } A-30 }	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-13	Brake fluid level switch		

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-5

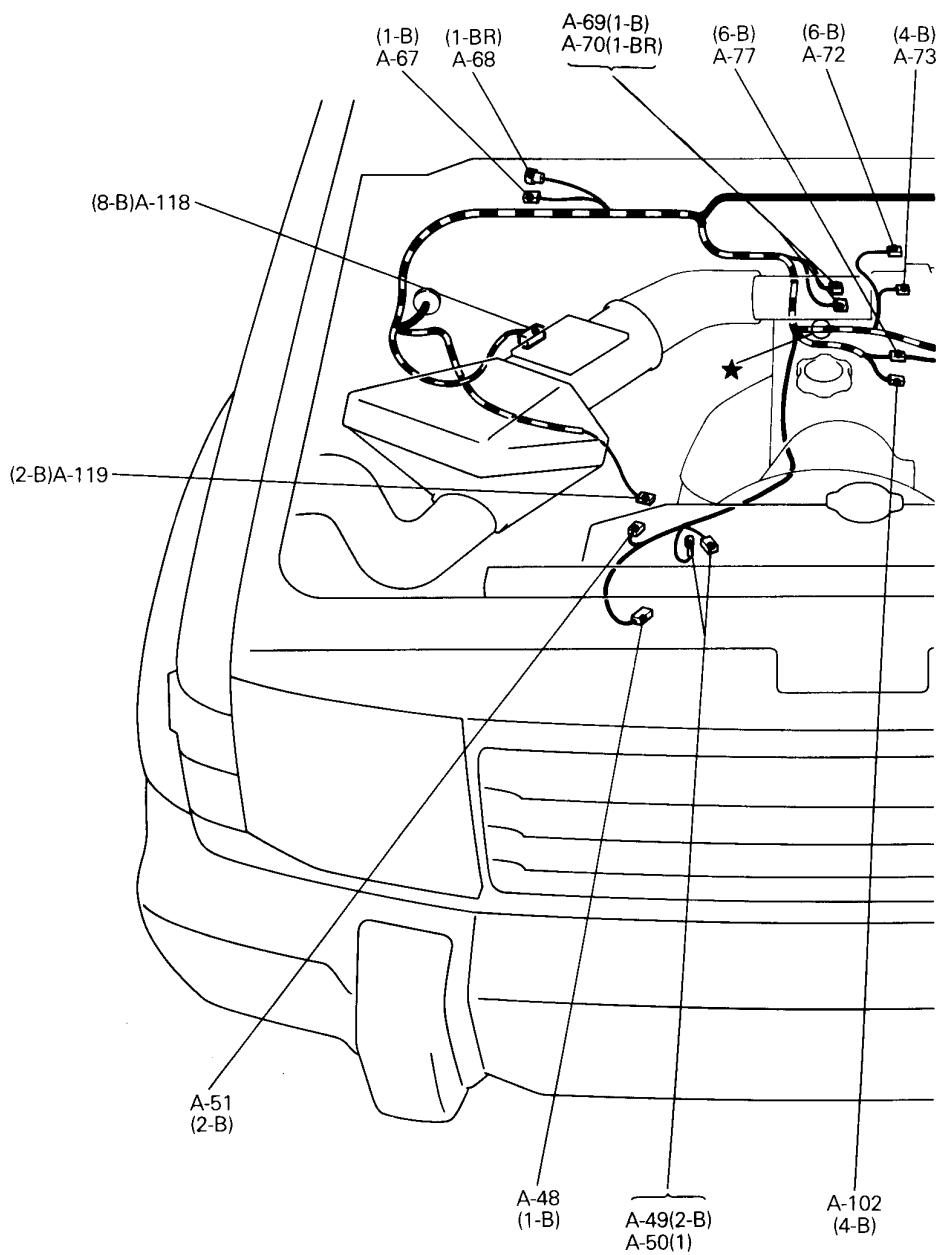


A-46	Horn (HI)
A-47	—
A-48	Oil pressure switch
A-49	—
A-50	Alternator
A-51	Engine oil level sensor
A-52	—
A-53	—
A-54	—
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57	Front combination lamp (RH)
A-58	—
A-59	—
A-60	—
A-61	—

2A-6 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

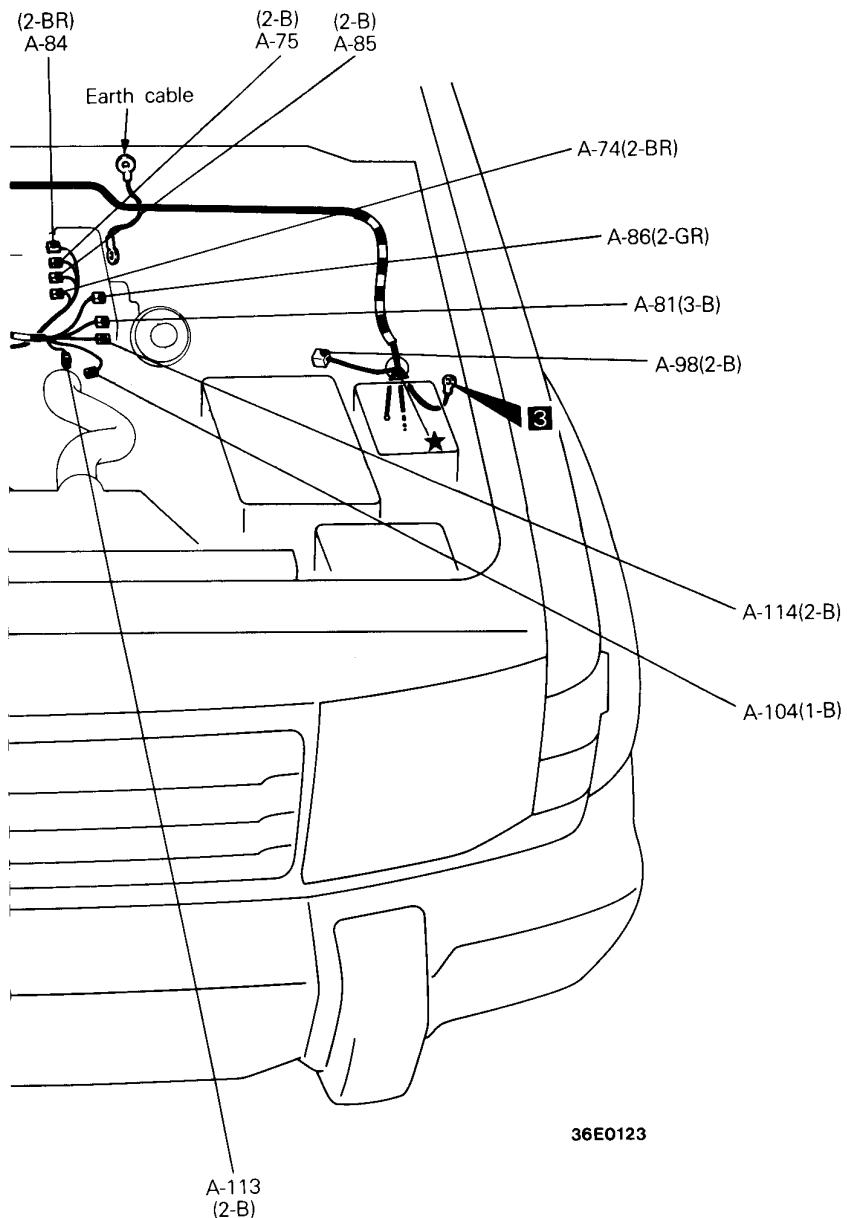
Vehicles with 4G64 engine

Connector symbol
A
-62 thru -119



A-62	—	A-76	—
thru		A-77	Injector wiring harness and control wiring harness combination
A-66		A-78	—
A-67	Fuel pump check connector	A-79	—
A-68	Ignition timing adjustment connector	A-80	—
A-69	Noise filter	A-81	Power transistor
A-70		A-82	—
A-71	—	A-83	—
A-72	Idle speed control servo	A-84	Injector No.4
A-73	Throttle position sensor	A-85	Injector No.2
A-74	Injector No.1		
A-75	Injector No.3		

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-7

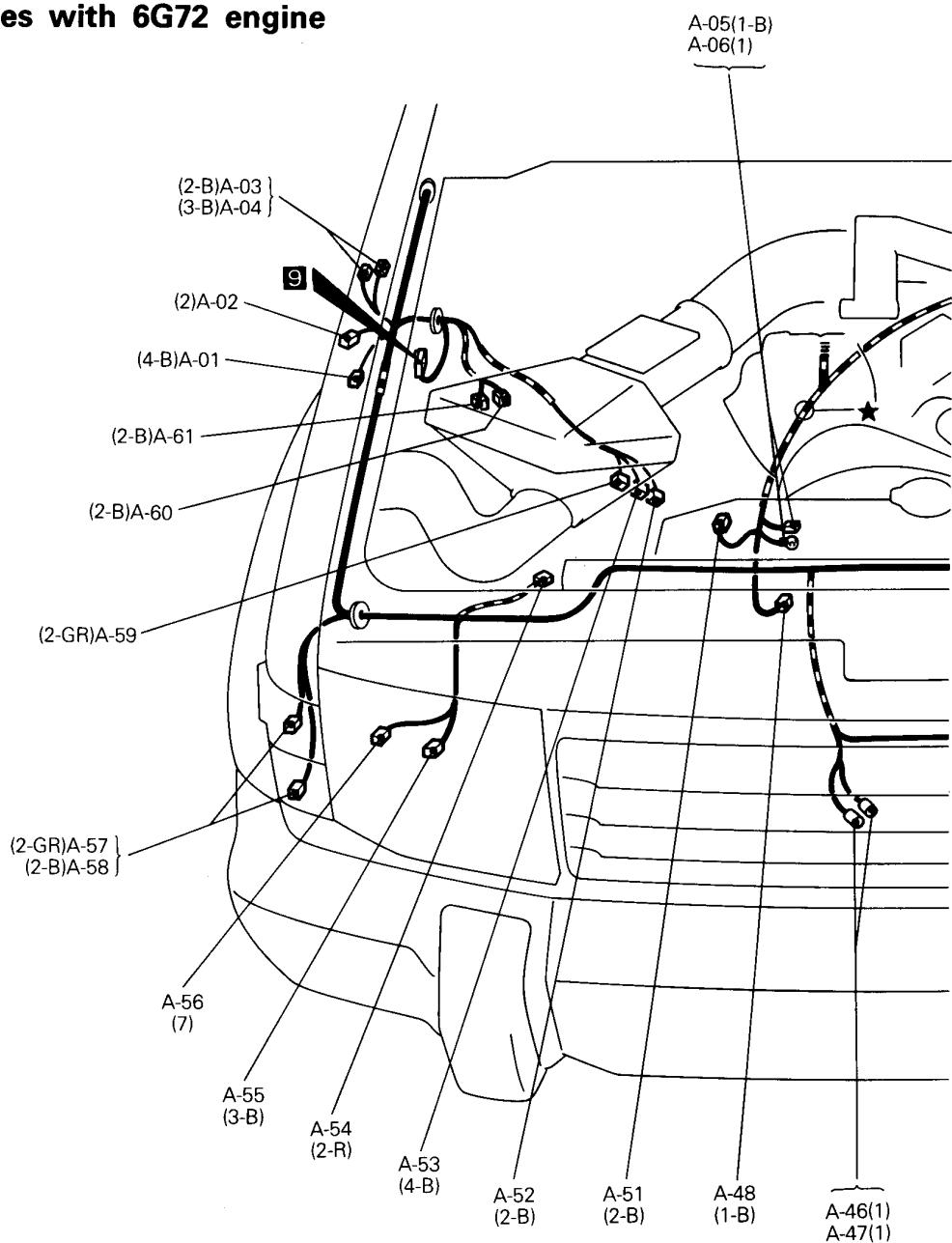


A-86	Ignition coil	A-105	—
A-87 } thru	—	A-112 } —	
A-97 }		A-113	Engine coolant temperature sensor
A-98	Purge control solenoid valve	A-114	Engine coolant temperature switch (for A/C compress- or control)
A-99	—	A-115	—
A-100	—	A-116	—
A-101	—	A-117	—
A-102	Distributor signal generator	A-118	Air flow sensor
A-103	—	A-119	Oxygen sensor
A-104	Engine coolant temperature gauge unit		

2A-8 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

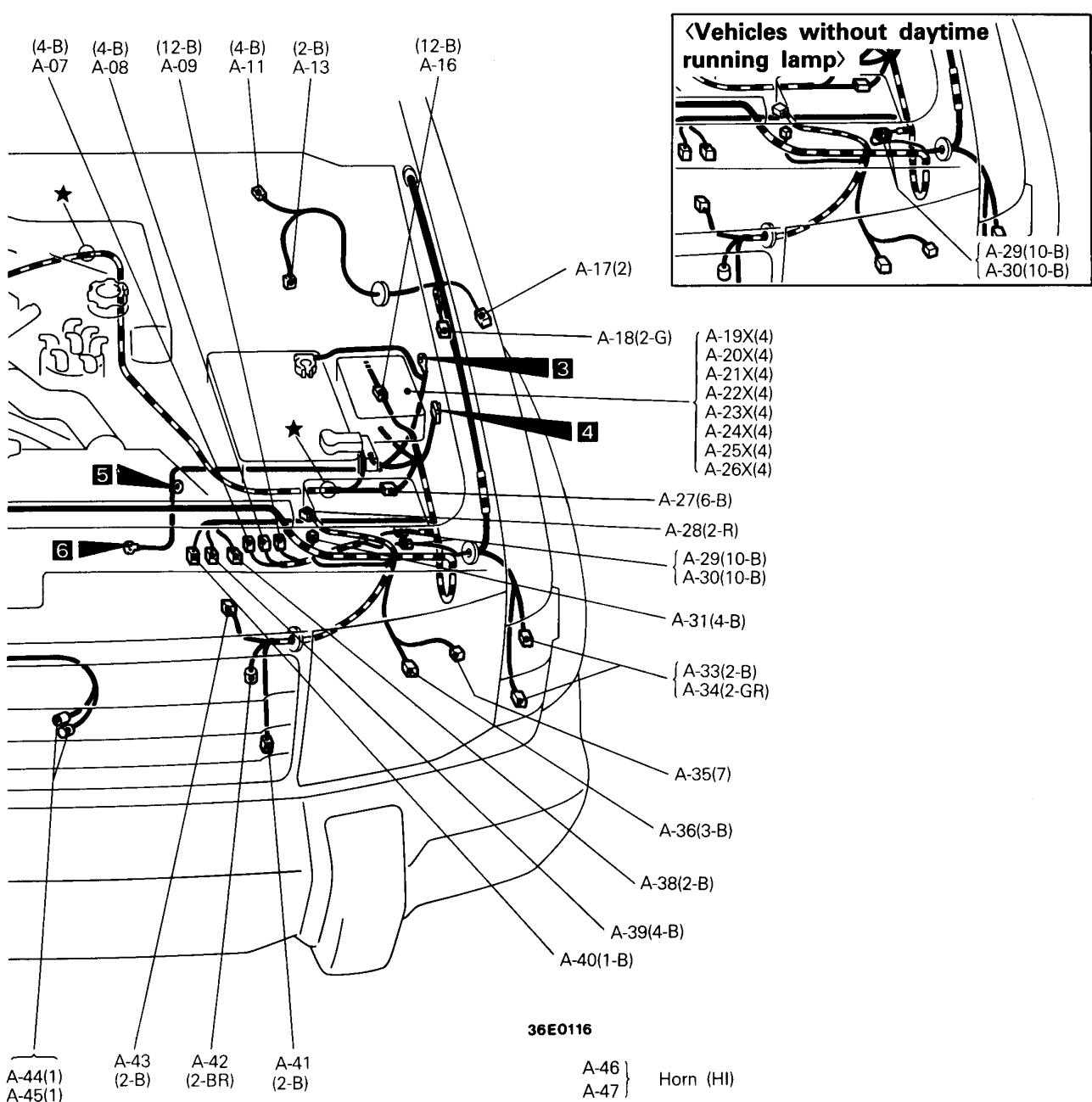
L.H. drive vehicles with 6G72 engine

Connector symbol
A
 -01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-15	—
A-02	Side turn signal lamp (RH)	A-16	Control wiring harness and front wiring harness combination
A-03	Motor antenna	A-17	Side turn signal lamp (LH)
A-04	Starter	A-18	Windshield washer motor
A-05	Daytime running lamp relay 2	A-19X	Refer to centralized junction
A-06	Daytime running lamp relay 1	thru A-26X	
A-07	Daytime running lamp control unit	A-27	Battery cable and front wiring harness combination
A-08	—	A-28	Front impact sensor (LH) <SRS>
A-09	Windshield wiper motor	A-29	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-10	—	A-30	Horn relay <Vehicles with SRS>
A-11	Brake fluid level switch	A-31	—
A-12	—	A-32	—
A-13	—		
A-14	—		

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-9



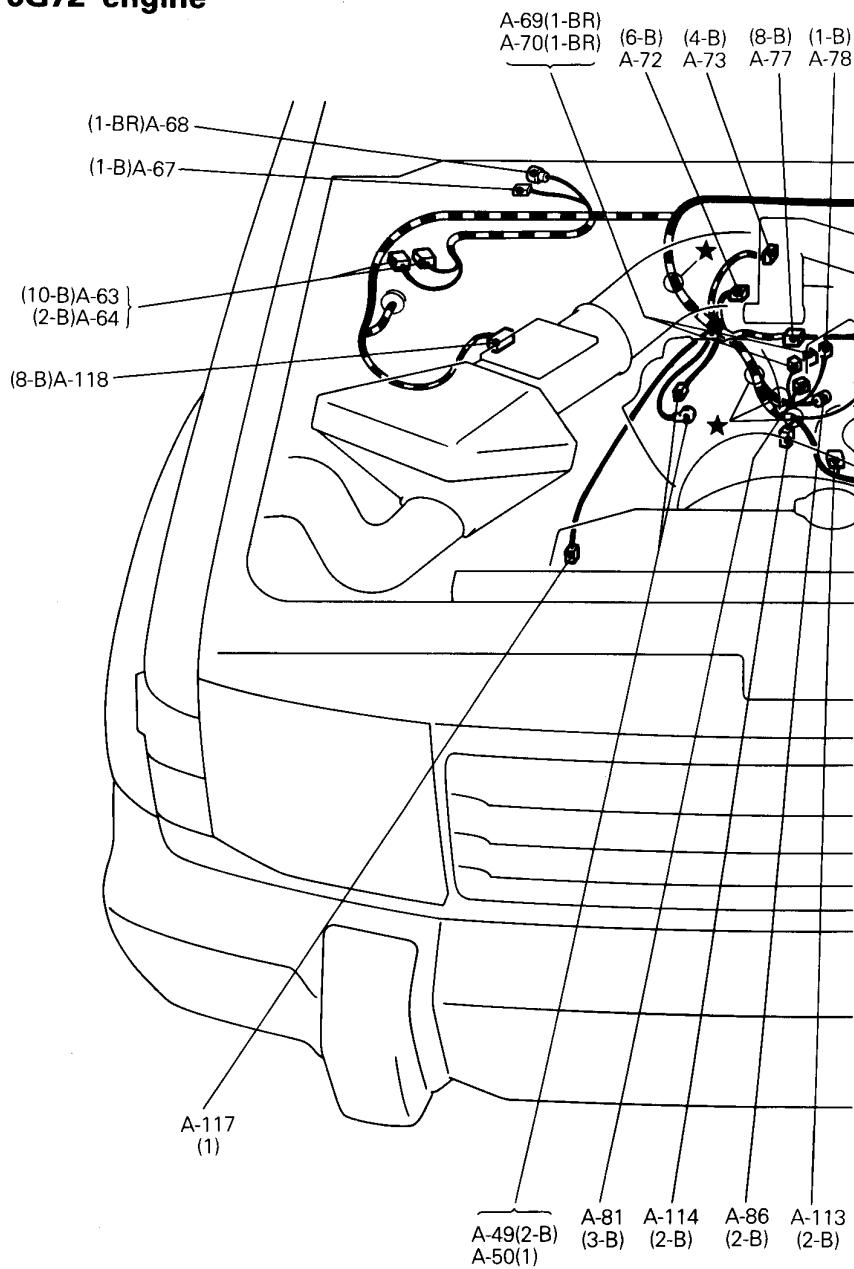
36E0116

A-44(1)	A-43(2-B)	A-42(2-BR)	A-41(2-B)	A-46	Horn (HI)
A-45(1)				A-47	
A-33	Front combination lamp (LH)			A-48	Oil pressure switch
A-34				A-49	
A-35	Headlamp leveling unit (LH)			A-50	Alternator
A-36	Headlamp (LH)			A-51	Engine oil level sensor
A-37	—			A-52	Speed sensor (Front:RH) <ABS>
A-38	Speed sensor (Front:LH) <ABS>			A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>			A-54	Front impact sensor (RH) <SRS>
A-40	Magnetic clutch <A/C>			A-55	Headlamp (RH)
A-41	Thermo sensor (outside air) <Multi-meter>			A-56	Headlamp leveling unit (RH)
A-42	Dual pressure switch			A-57	Front combination lamp (RH)
A-43	Condenser fan motor			A-58	
A-44	Horn (LO)			A-59	Free wheel engage switch
A-45				A-60	Solenoid valve A <Super select 4WD>
				A-61	Solenoid valve B <Super select 4WD>

2A-10 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

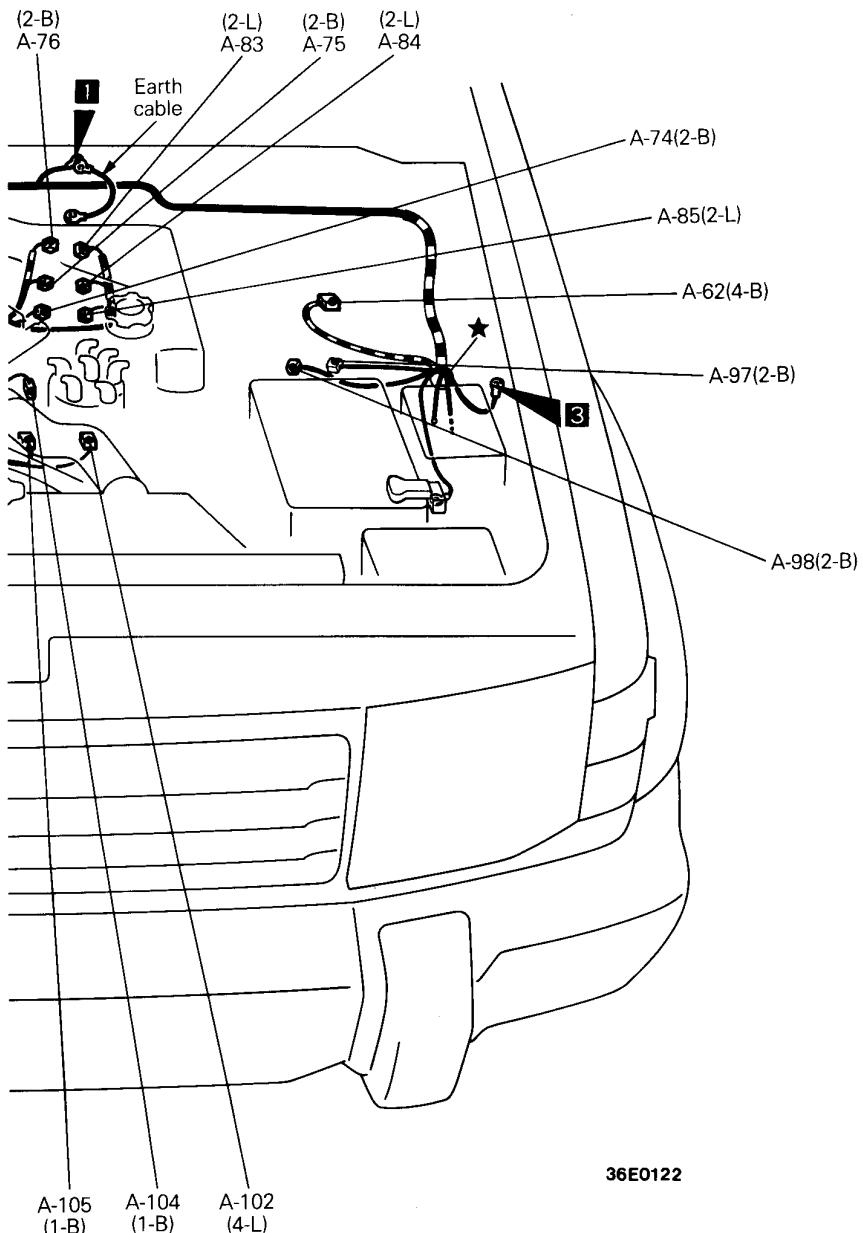
L.H. drive vehicles with 6G72 engine

Connector symbol
A
-62 thru
-118



A-62	Auto-cruise control actuator	A-75	Injector No.3
A-63	Hydraulic unit	A-76	Injector No.5
A-64	—	A-77	Injector wiring harness and control wiring harness combination
A-65	—	A-78	Capacitor
A-66	—	A-79	—
A-67	Fuel pump check connector	A-80	—
A-68	Ignition timing adjustment connector	A-81	Power transistor
A-69	Noise filter	A-82	—
A-70	—	A-83	Injector No.6
A-71	—	A-84	Injector No.4
A-72	Idle speed control servo	A-85	Injector No.2
A-73	Throttle position sensor		
A-74	Injector No.1		

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-11

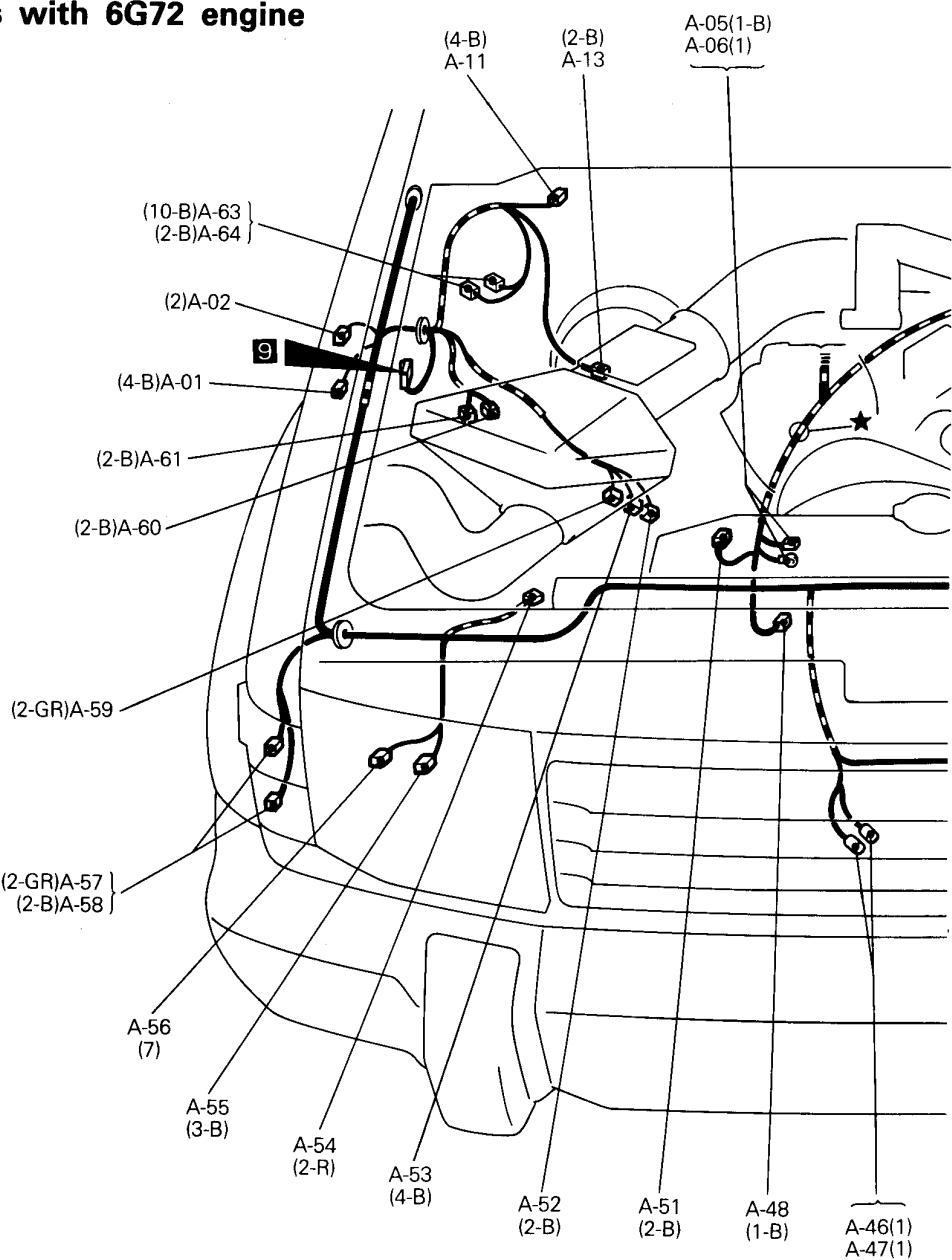


A-86	Ignition coil	A-105	Engine coolant temperature switch < A/T >
A-87 thru A-96 } -		A-106 thru A-112 } -	
A-97	No connection	A-113	Engine coolant temperature sensor
A-98	Purge control solenoid valve	A-114	Engine coolant temperature switch (for A/C compressor control)
A-99	-	A-115	-
A-100	-	A-116	-
A-101	-	A-117	Power steering oil pressure switch < A/T > or No connection
A-102	Distributor signal generator	A-118	Air flow sensor
A-103	-		
A-104	Engine coolant temperature gauge unit		

2A-12 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

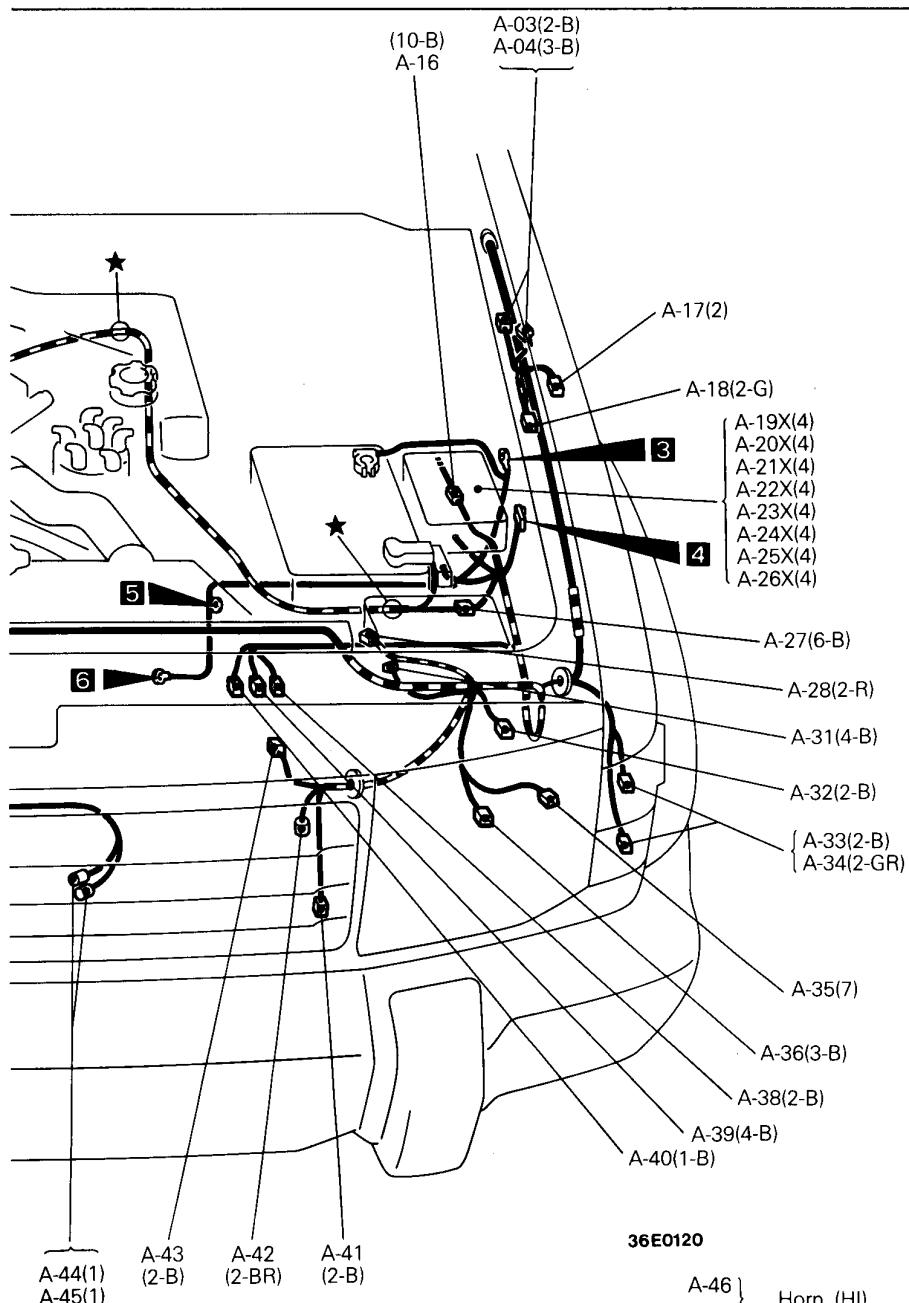
R.H. drive vehicles with 6G72 engine

Connector symbol
A
-01
thru
-61



A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-15	—
A-02	Side turn signal lamp (RH)	A-16	Control wiring harness and front wiring harness combination
A-03 } A-04 }	Motor antenna	A-17	Side turn signal lamp (LH)
A-05 } A-06 }	Starter	A-18	Windshield washer motor
A-07 } thru } A-10	—	A-19X } thru A-26X	Refer to centralized junction
A-11	Windshield wiper motor	A-27	Battery cable and front wiring harness combination
A-12	—	A-28	Front impact sensor (LH) <SRS>
A-13	Brake fluid level switch	A-29	—
A-14	—	A-30	—
		A-31	Horn relay <Vehicles with SRS>
		A-32	Resistor <for dim-dip lamp circuit>

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-13



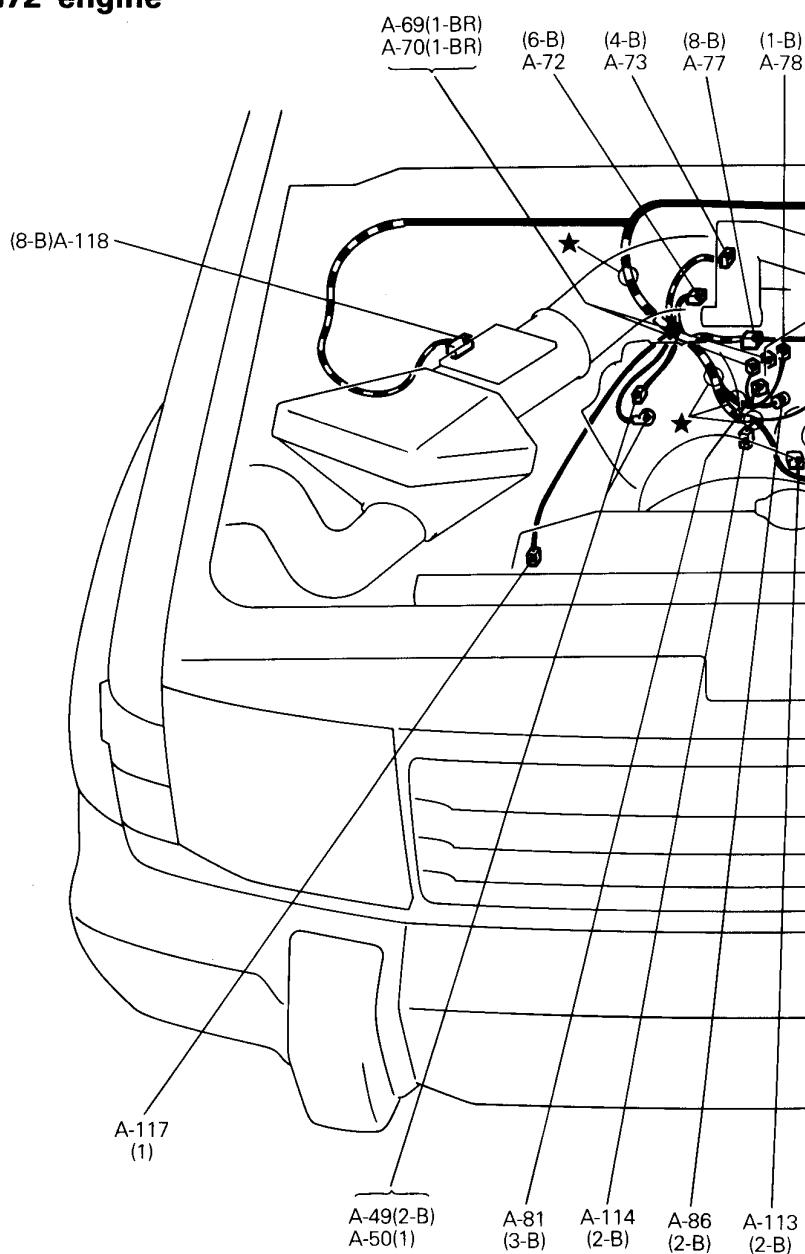
36E0120

A-33	Front combination lamp (LH)	A-46	Horn (HI)
A-34		A-47	
A-35	Headlamp leveling unit (LH)	A-48	Oil pressure switch
A-36	Headlamp (LH)	A-49	Alternator
A-37	—	A-50	
A-38	Speed sensor (Front:LH) <ABS>	A-51	Engine oil level sensor
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>	A-52	Speed sensor (Front:RH) <ABS>
A-40	Magnetic clutch <AC>	A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-41	Thermo sensor (outside air) <Multi-meter>	A-54	Front impact sensor (RH) <SRS>
A-42	Dual pressure switch	A-55	Headlamp (RH)
A-43	Condenser fan motor	A-56	Headlamp leveling unit (RH)
A-44	Horn (LO)	A-57	Front combination lamp (RH)
A-45		A-58	
		A-59	Free wheel engage switch
		A-60	Solenoid valve A <Super select 4WD>
		A-61	Solenoid valve B <Super select 4WD>

2A-14 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

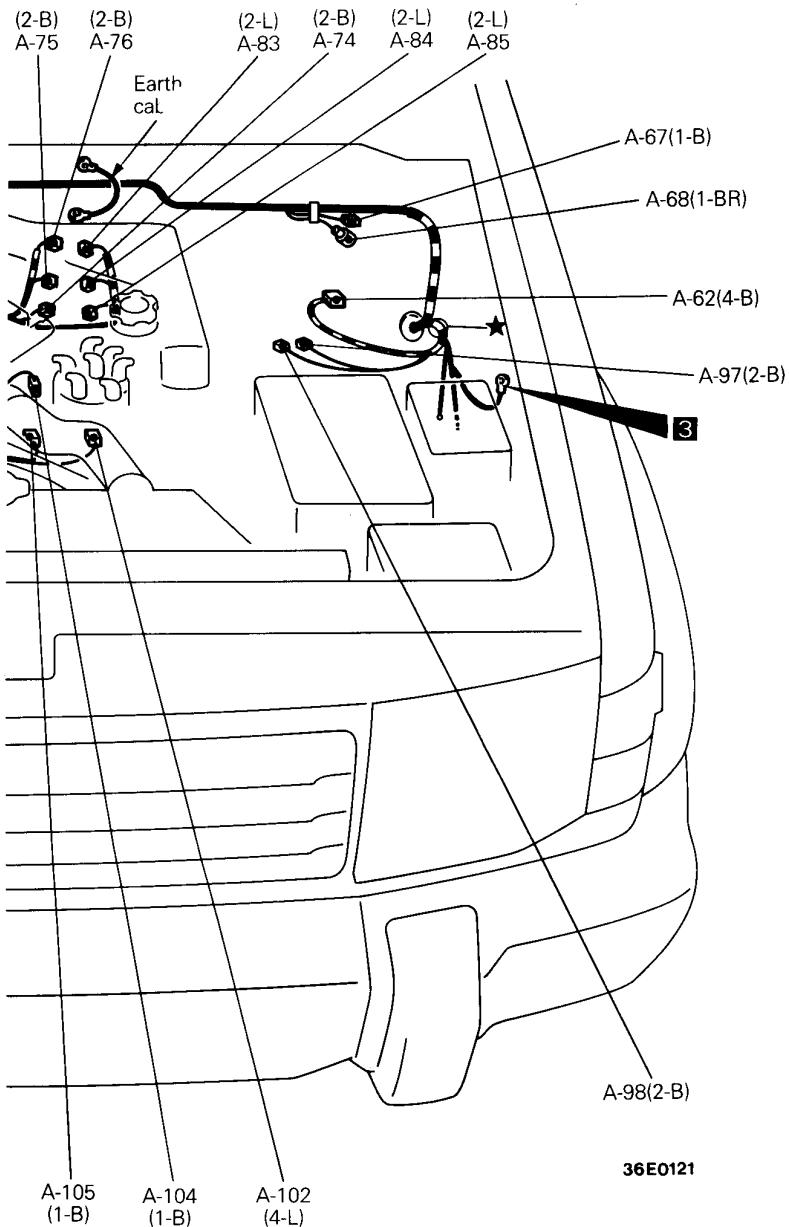
R.H. drive vehicles with 6G72 engine

Connector symbol
A
-62 thru -118



A-62	Auto-cruise control actuator	A-75	Injector No.3
A-63 } A-64 }	Hydraulic unit	A-76	Injector No.5
A-65	—	A-77	Injector wiring harness and control wiring harness combination
A-66	—	A-78	Capacitor
A-67	Fuel pump check connector	A-79	—
A-68	Ignition timing adjustment connector	A-80	—
A-69 } A-70 }	Noise filter	A-81	Power transistor
A-71	—	A-82	—
A-72	Idle speed control servo	A-83	Injector No.6
A-73	Throttle position sensor	A-84	Injector No.4
A-74	Injector No.1	A-85	Injector No.2

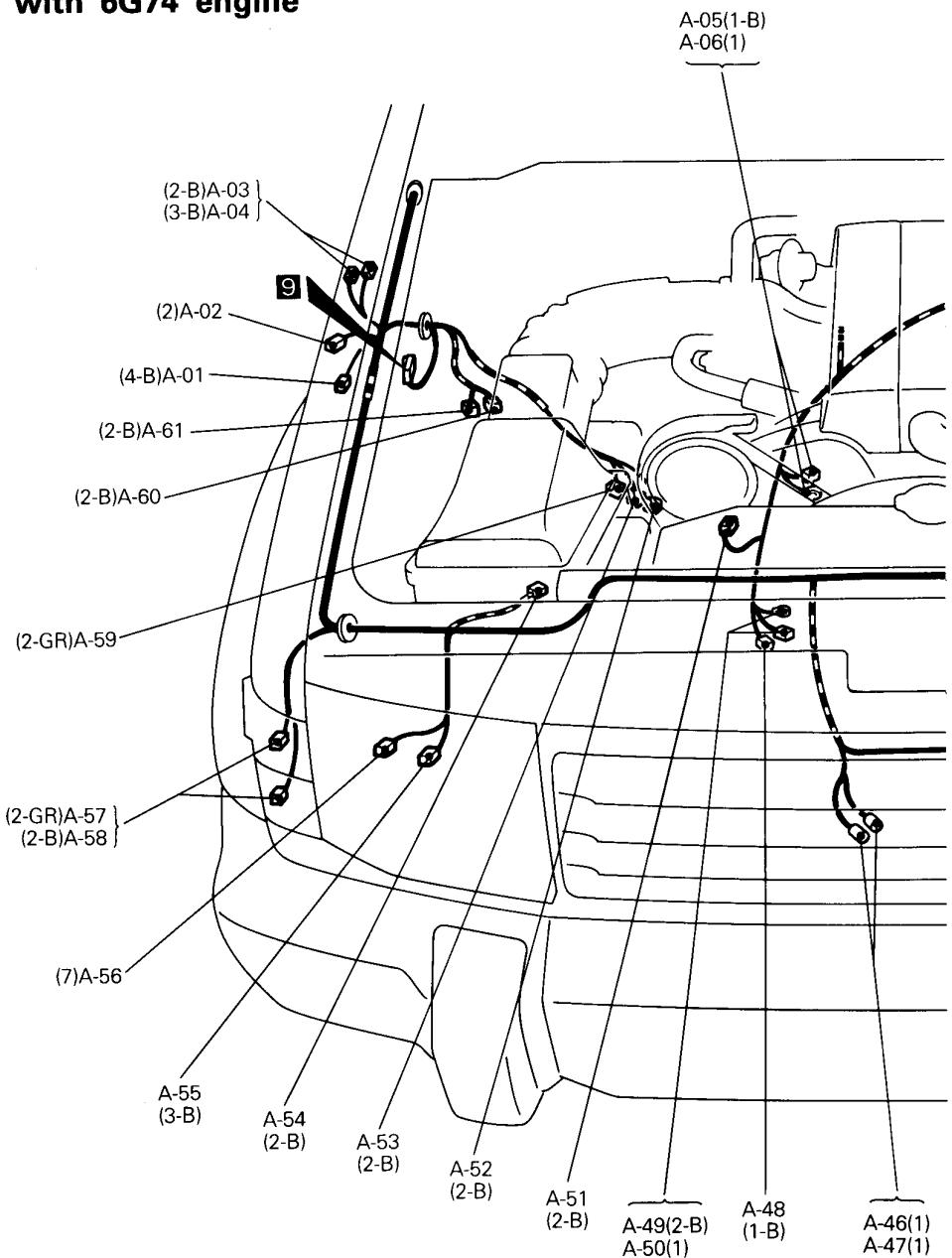
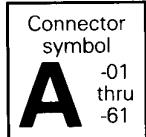
WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-15



A-86	Ignition coil	A-105	Engine coolant temperature switch < A/T >
A-87	—	A-106	—
thru		A-112	—
A-96		A-113	Engine coolant temperature sensor
A-97	No connection	A-114	Engine coolant temperature switch (for A/C compressor or control)
A-98	Purge control solenoid valve	A-115	—
A-99	—	A-116	—
A-100	—	A-117	Power steering oil pressure switch < A/T > or No connection
A-101	—	A-118	Air flow sensor
A-102	Distributor signal generator		
A-103	—		
A-104	Engine coolant temperature gauge unit		

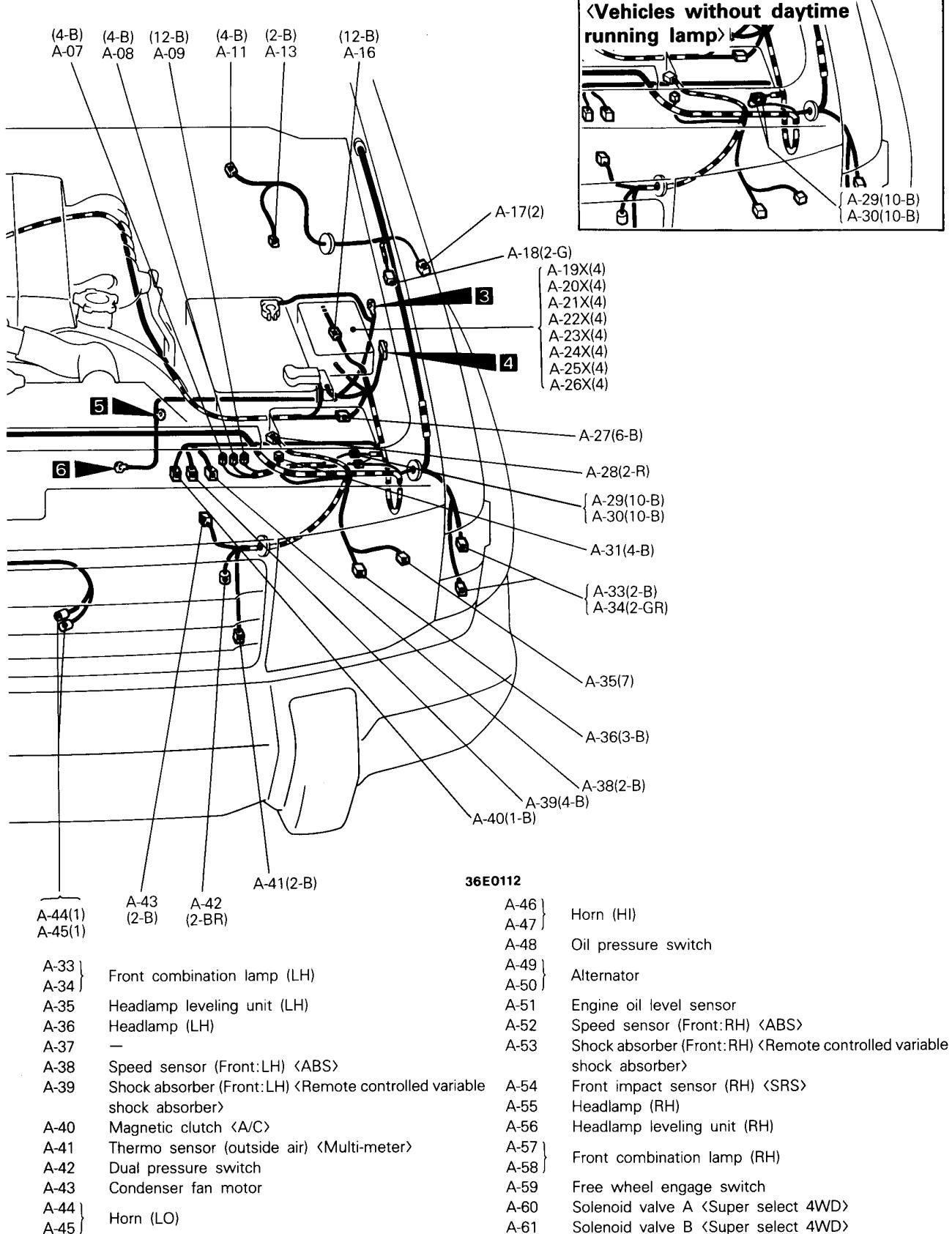
2A-16 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

L.H. drive vehicles with 6G74 engine



A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-15	—
A-02	Side turn signal lamp (RH)	A-16	Control wiring harness and front wiring harness combination
A-03		A-17	Side turn signal lamp (LH)
A-04	Motor antenna	A-18	Windshield washer motor
A-05		A-19X	Refer to centralized junction
A-06	Starter	A-26X	
A-07	Daytime running lamp relay 2	A-27	Battery cable and front wiring harness combination
A-08	Daytime running lamp relay 1	A-28	Front impact sensor (LH) <SRS>
A-09	Daytime running lamp control unit	A-29	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector
A-10	—	A-30	
A-11	Windshield wiper motor	A-31	Horn relay <Vehicles with SRS>
A-12	—	A-32	—
A-13	Brake fluid level switch		
A-14	—		

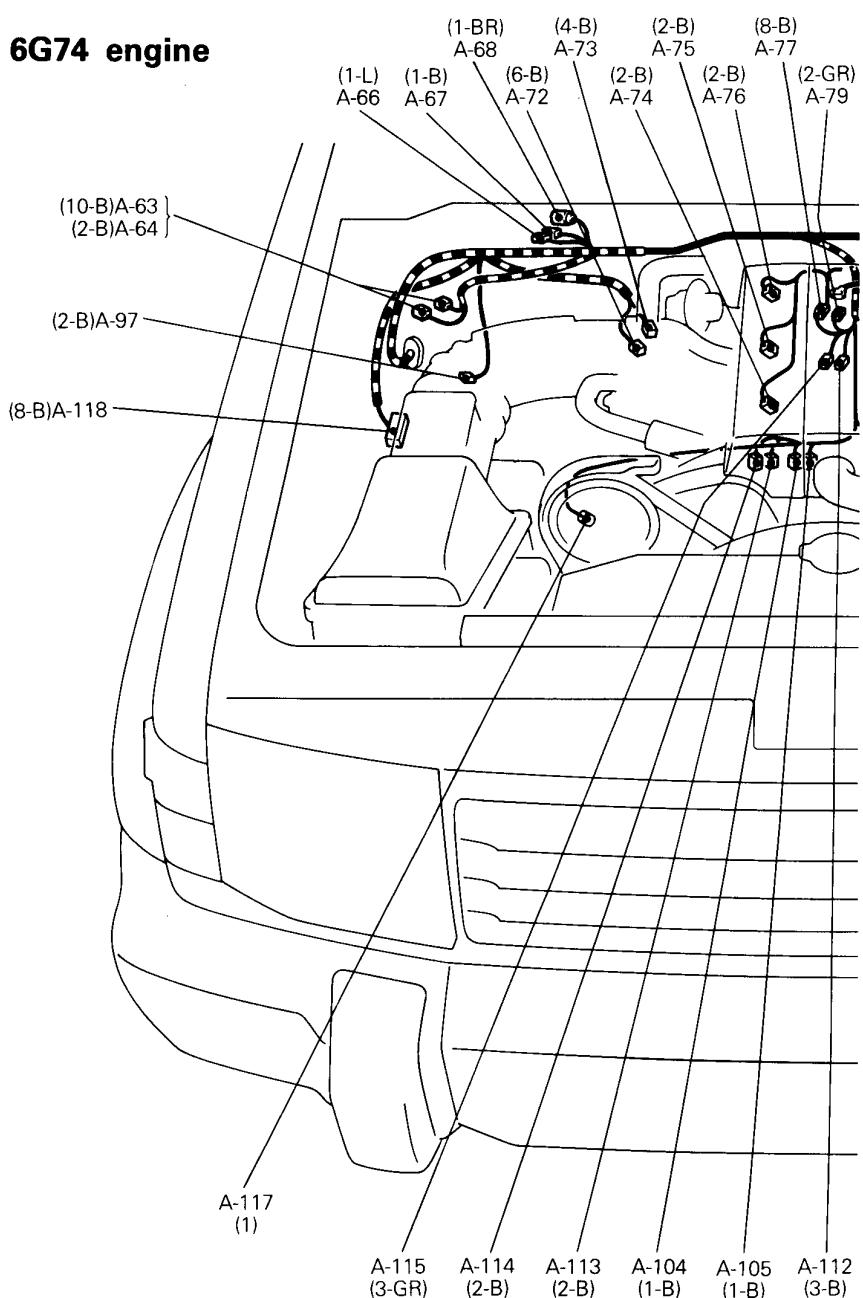
WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-17



2A-18 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

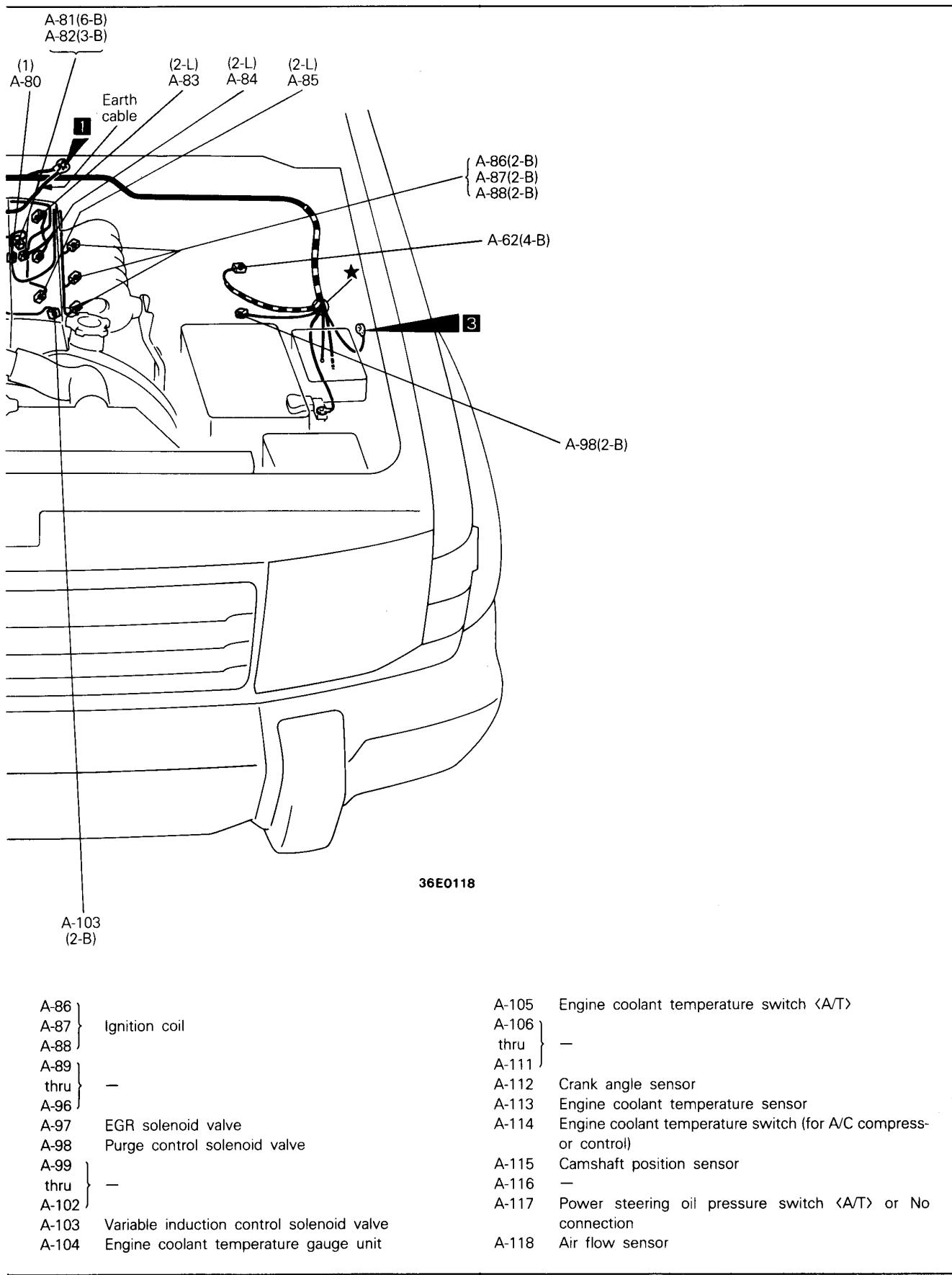
L.H. drive vehicles with 6G74 engine

Connector symbol
A
-62 thru -118



A-62	Auto-cruise control actuator	A-75	Injector No.3
A-63 } A-64 }	Hydraulic unit	A-76	Injector No.5
A-65	—	A-77	Injector wiring harness and control wiring harness combination
A-66	Engine speed detection connector	A-78	—
A-67	Fuel pump check connector	A-79	Detonation sensor
A-68	Ignition timing adjustment connector	A-80	Ignition wiring harness and control wiring harness combination
A-69	—	A-81 } A-82 }	Power transistor
A-70	—	A-83	Injector No.6
A-71	—	A-84	Injector No.4
A-72	Idle speed control servo	A-85	Injector No.2
A-73	Throttle position sensor		
A-74	Injector No.1		

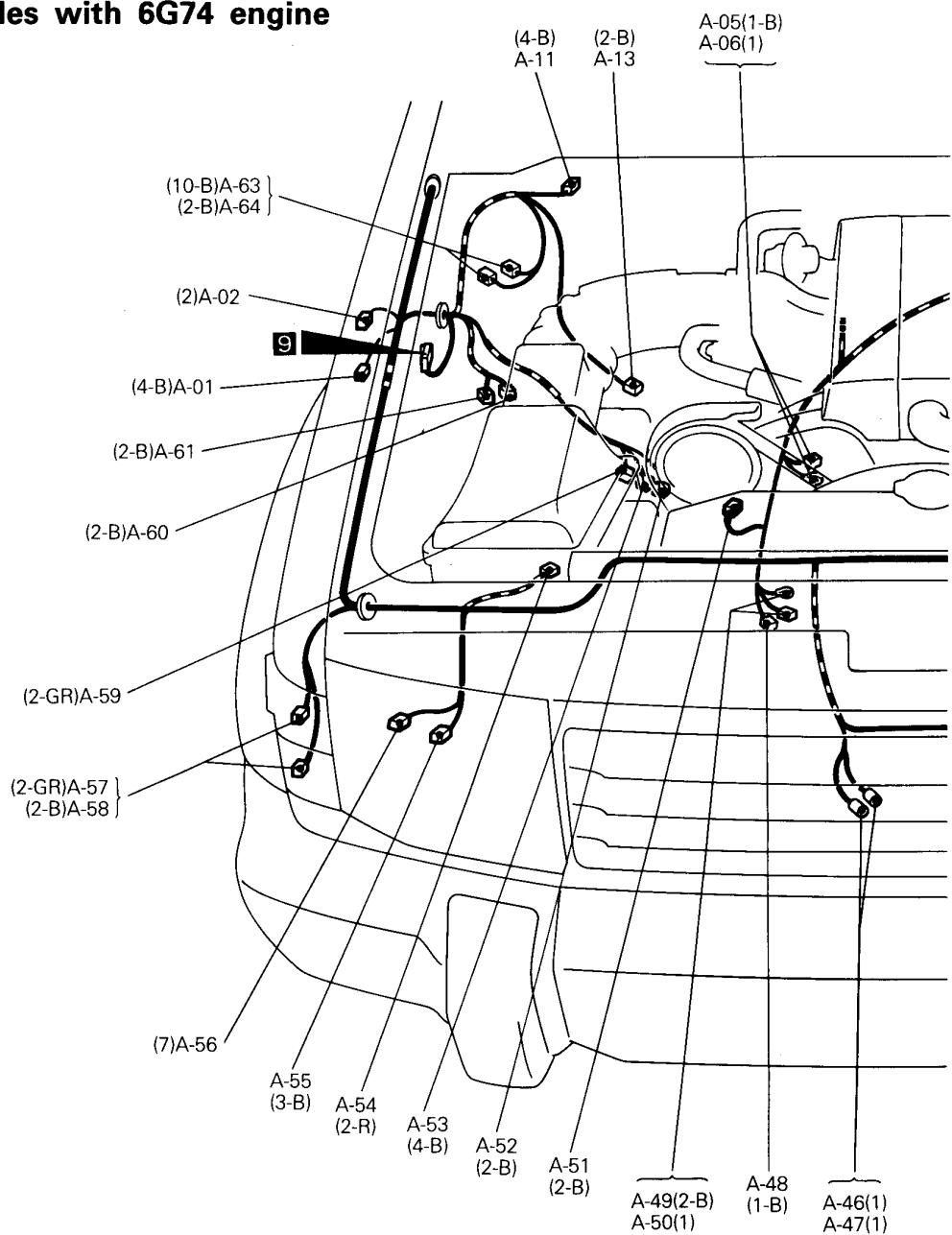
WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-19



2A-20 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

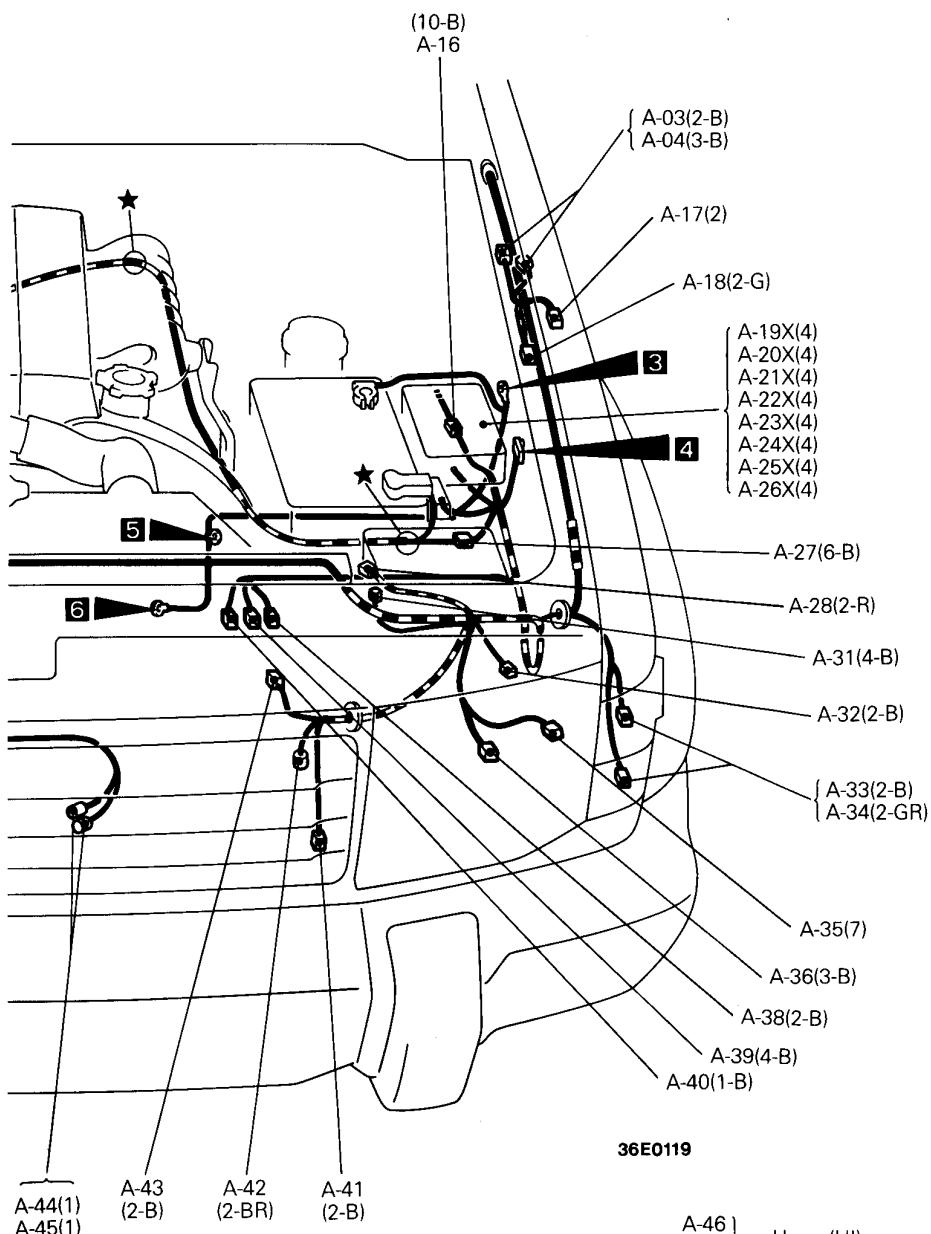
R.H. drive vehicles with 6G74 engine

Connector symbol
A
-01 thru -61



A-01	Headlamp washer motor and headlamp washer fluid level sensor	A-15	—
A-02	Side turn signal lamp (RH)	A-16	Control wiring harness and front wiring harness combination
A-03 } A-04 }	Motor antenna	A-17	Side turn signal lamp (LH)
A-05 } A-06 }	Starter	A-18	Windshield washer motor
A-07 } thru } A-10	—	A-19X } thru A-26X }	Refer to centralized junction
A-11	Windshield wiper motor	A-27	Battery cable and front wiring harness combination
A-12	—	A-28	Front impact sensor (LH) <SRS>
A-13	Brake fluid level switch	A-29	—
A-14	—	A-30	—
		A-31	Horn relay <Vehicles with SRS>
		A-32	Resistor <for dim-dip lamp circuit>

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-21



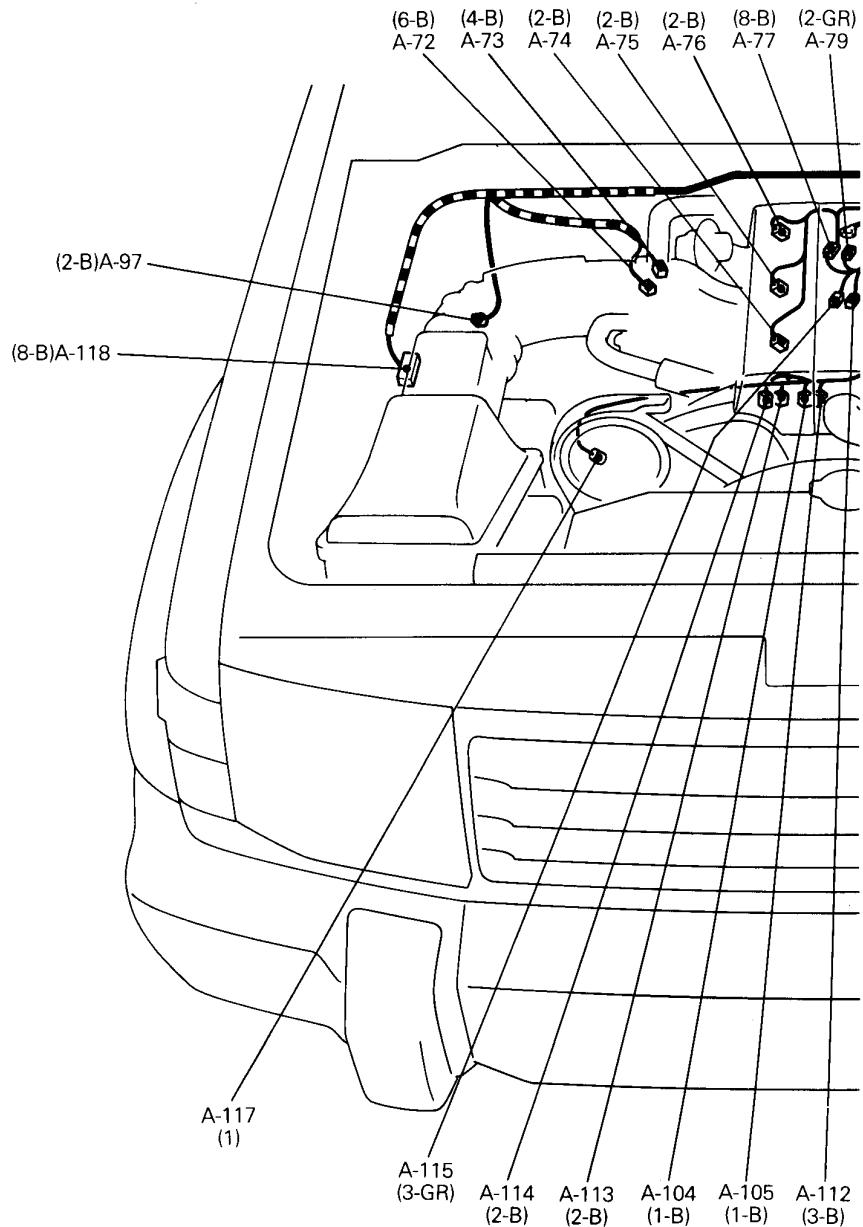
A-33 } A-34 }	Front combination lamp (LH)
A-35	Headlamp leveling unit (LH)
A-36	Headlamp (LH)
A-37	—
A-38	Speed sensor (Front:LH) <ABS>
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>
A-40	Magnetic clutch <AC>
A-41	Thermo sensor (outside air) <Multi-meter>
A-42	Dual pressure switch
A-43	Condenser fan motor
A-44 } A-45 }	Horn (LO)

A-46 } A-47 }	Horn (HI)
A-48	Oil pressure switch
A-49 } A-50 }	Alternator
A-51	Engine oil level sensor
A-52	Speed sensor (Front:RH) <ABS>
A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-54	Front impact sensor (RH) <SRS>
A-55	Headlamp (RH)
A-56	Headlamp leveling unit (RH)
A-57 } A-58 }	Front combination lamp (RH)
A-59	Free wheel engage switch
A-60	Solenoid valve A <Super select 4WD>
A-61	Solenoid valve B <Super select 4WD>

2A-22 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

R.H. drive vehicles with 6G74 engine

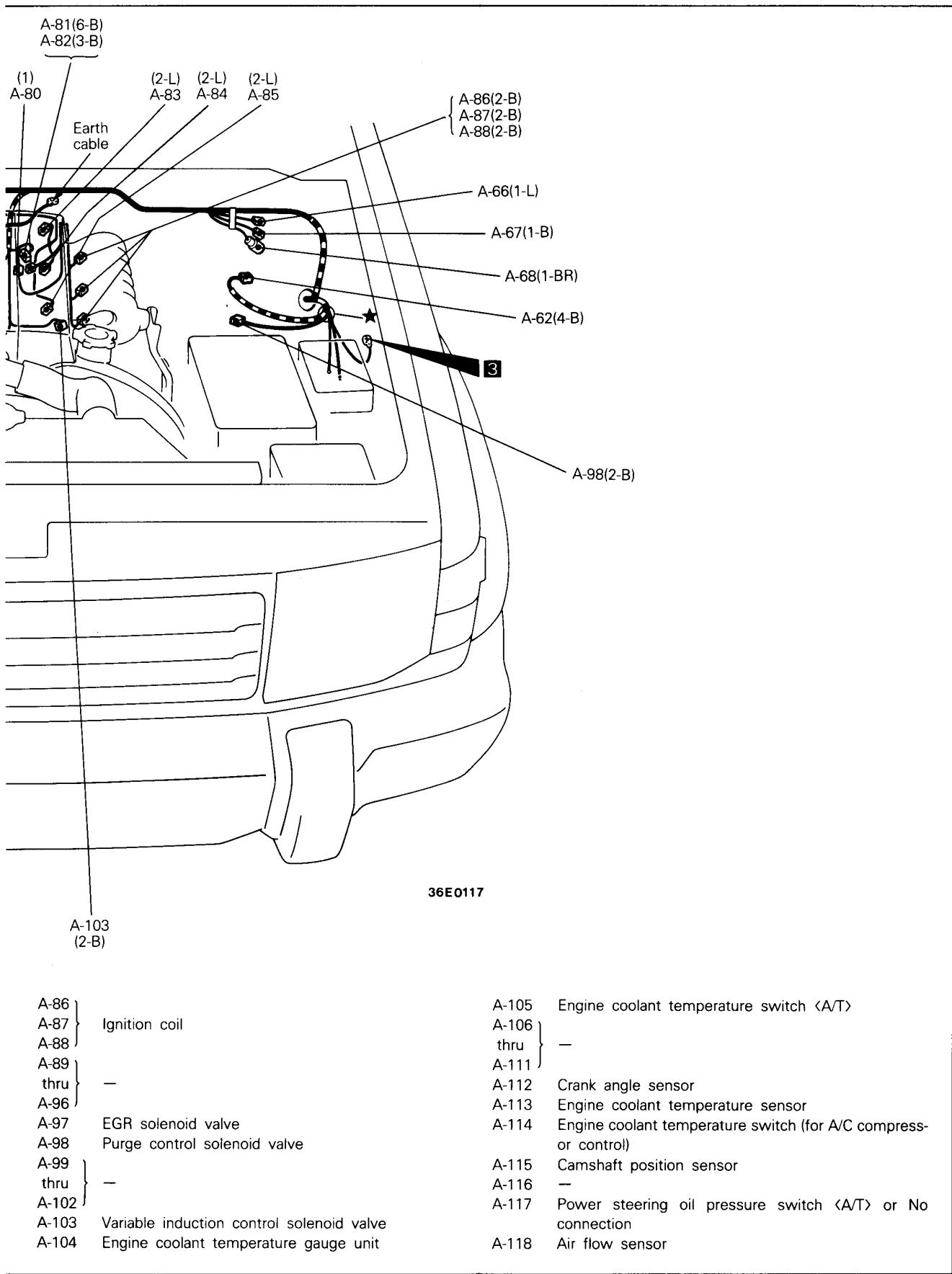
Connector symbol
A
-62 thru -118



A-62	Auto-cruise control actuator
A-63	Hydraulic unit
A-64}	
A-65	—
A-66	Engine speed detection connector
A-67	Fuel pump check connector
A-68	Ignition timing adjustment connector
A-69	—
A-70	—
A-71	—
A-72	Idle speed control servo
A-73	Throttle position sensor
A-74	Injector No.1

A-75	Injector No.3
A-76	Injector No.5
A-77	Injector wiring harness and control wiring harness combination
A-78	—
A-79	Detonation sensor
A-80	Ignition wiring harness and control wiring harness combination
A-81	—
A-82}	Power transistor
A-83	Injector No.6
A-84	Injector No.4
A-85	Injector No.2

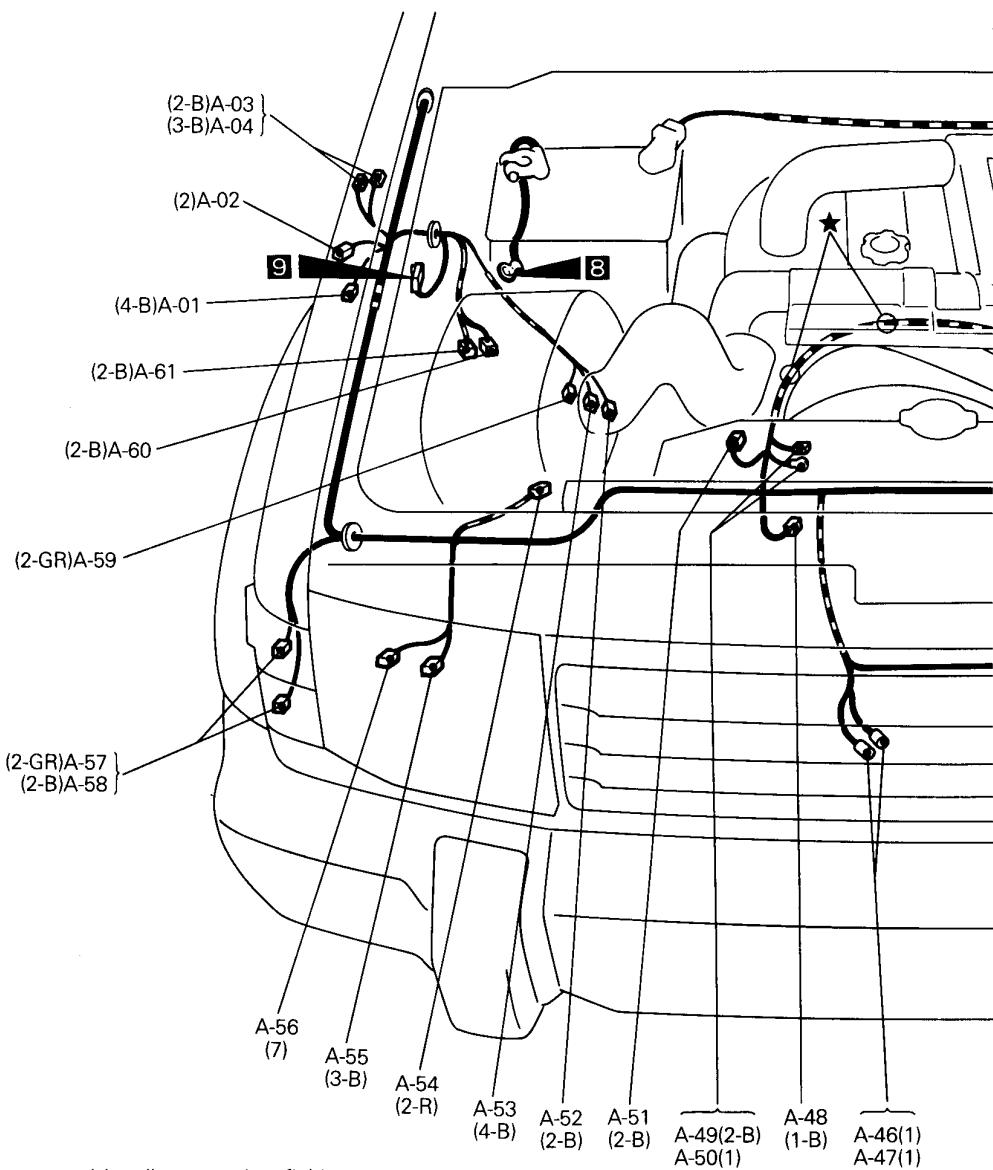
WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-23



2A-24 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

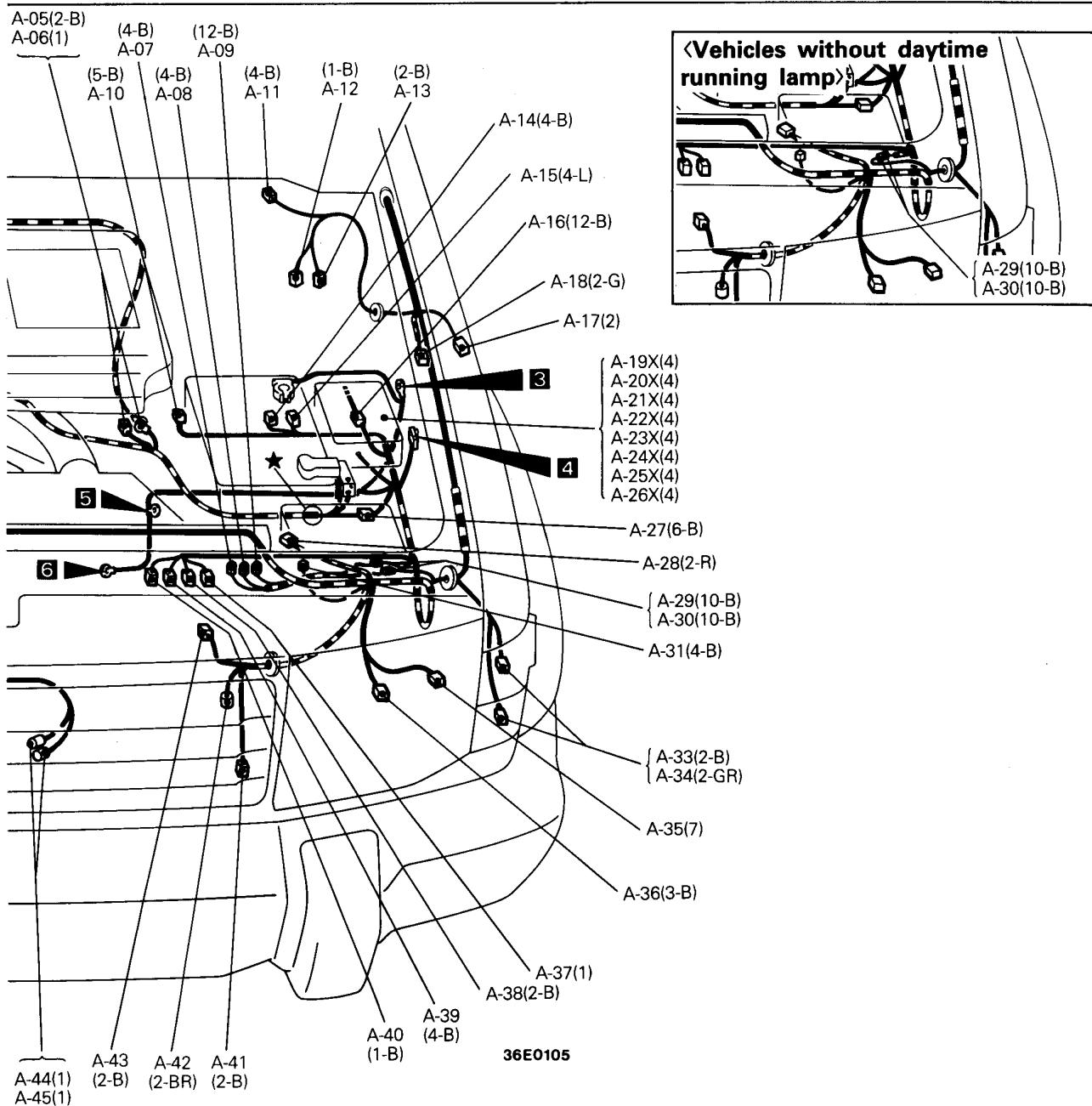
L.H. drive vehicles with 4D56 engine

Connector symbol
A
-01 thru
-61



- | | | | |
|------------------|--|----------------------------|---|
| A-01 | Headlamp washer motor and headlamp washer fluid level sensor | A-16 | Control wiring harness and front wiring harness combination |
| A-02 | Side turn signal lamp (RH) | A-17 | Side turn signal lamp (LH) |
| A-03 }
A-04 } | Motor antenna | A-18 | Windshield washer motor |
| A-05 }
A-06 } | Starter | A-19X }
thru
A-26X } | Refer to centralized junction |
| A-07 | Daytime running lamp relay 2 | A-27 | Battery cable and front wiring harness combination |
| A-08 | Daytime running lamp relay 1 | A-28 | Front impact sensor (LH) <SRS> |
| A-09 | Daytime running lamp control unit | A-29 }
A-30 } | Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector |
| A-10 | Starter relay | A-31 | Horn relay <Vehicles with SRS> |
| A-11 | Windshield wiper motor | A-32 | — |
| A-12 | Vacuum switch | A-33 }
A-34 } | Front combination lamp (LH) |
| A-13 | Brake fluid level switch | | |
| A-14 | No connection | | |
| A-15 | Condenser fan motor control relay | | |

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-25

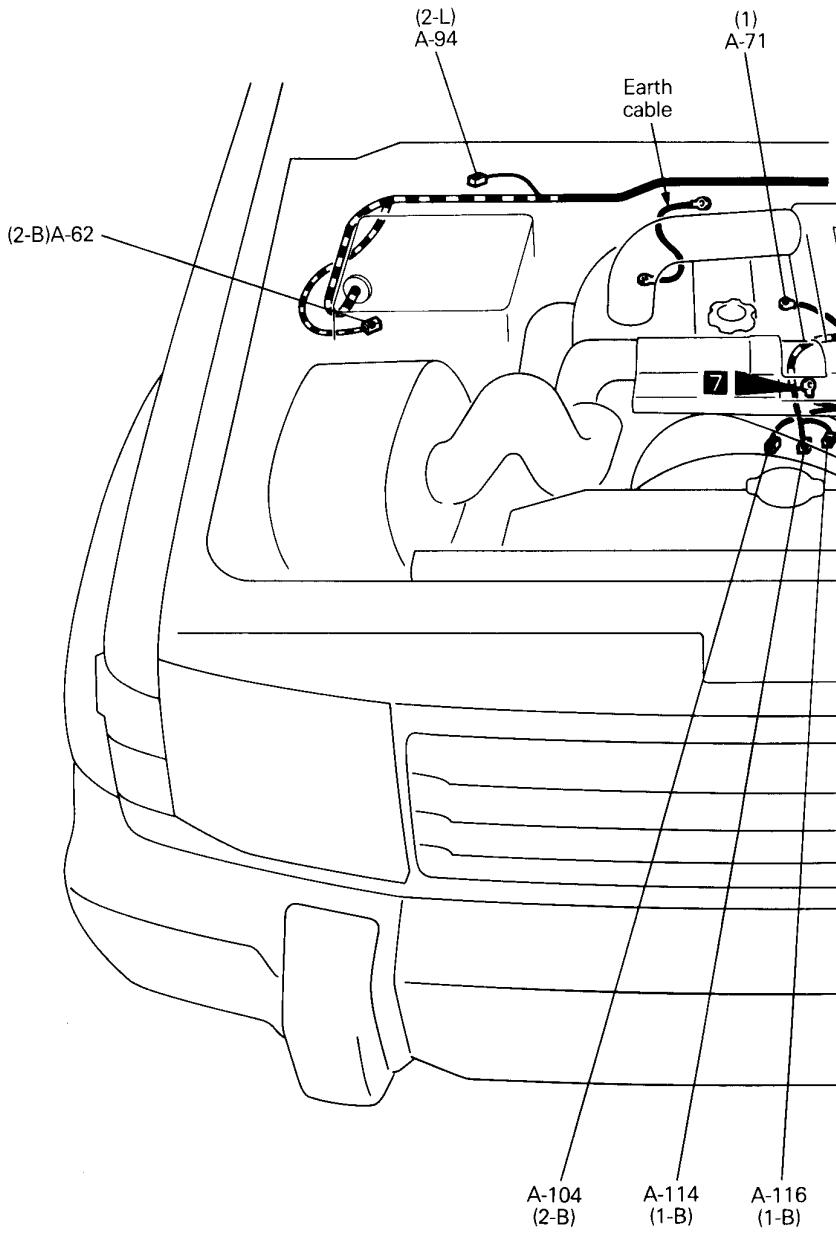


A-35	Headlamp leveling unit (LH)	A-48	Oil pressure switch
A-36	Headlamp (LH)	A-49	Alternator
A-37	No connection	A-50	
A-38	Speed sensor (Front:LH) <ABS>	A-51	Engine oil level sensor
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>	A-52	Speed sensor (Front:RH) <ABS>
A-40	Magnetic clutch <A/C>	A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-41	Thermo sensor (outside air) <Multi-meter>	A-54	Front impact sensor (RH) <SRS>
A-42	Dual pressure switch	A-55	Headlamp (RH)
A-43	Condenser fan motor	A-56	Headlamp leveling unit (RH)
A-44	Horn (LO)	A-57	Front combination lamp (RH)
A-45		A-58	
A-46	Horn (HI)	A-59	Free wheel engage switch
A-47		A-60	Solenoid valve A <Super select 4WD>
		A-61	Solenoid valve B <Super select 4WD>

2A-26 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

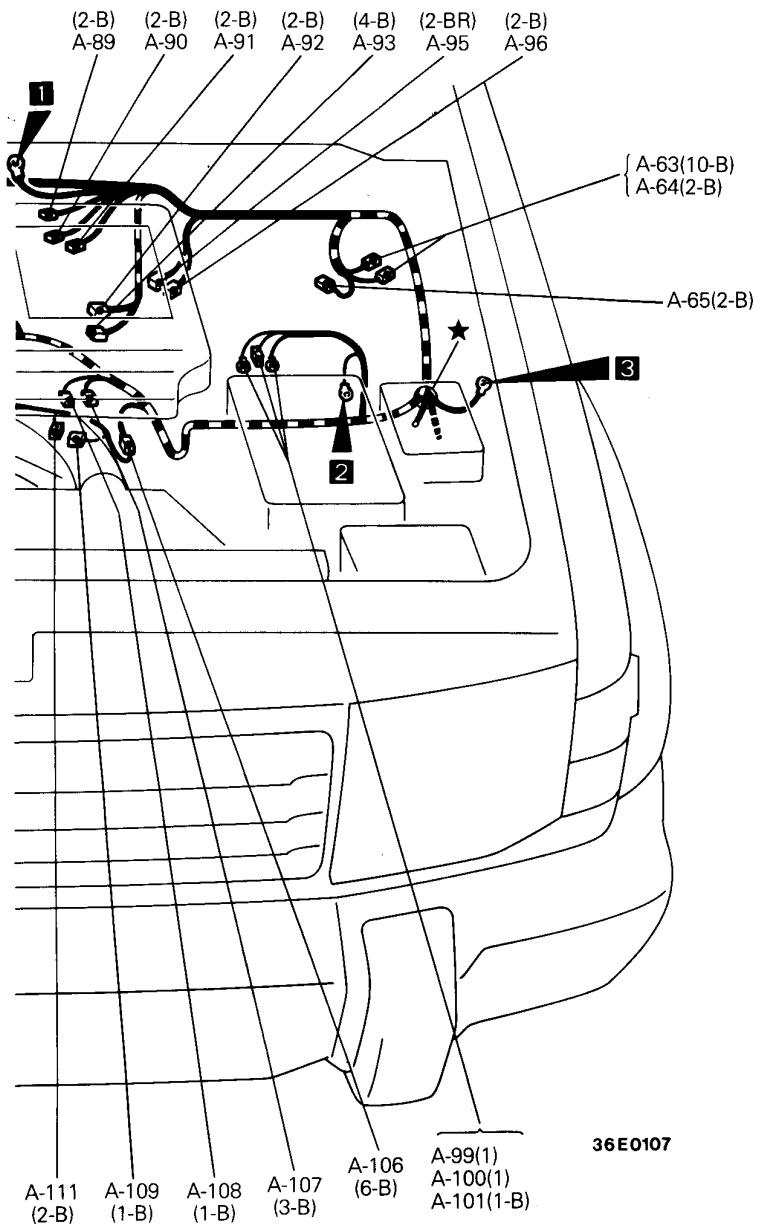
L.H. drive vehicles with 4D56 engine

Connector symbol
A
-62 thru
-116



A-62	Auto-cruise control actuator	A-89	EGR solenoid valve I
A-63 } A-64 }	Hydraulic unit	A-90	EGR solenoid valve II
A-65	Idle up solenoid valve <ABS>	A-91	Supercharging pressure relief solenoid valve
A-66 } thru A-70 }	—	A-92	Water level switch
A-71	Glow plug	A-93	Fuel line heater or no connection
A-72 } thru A-88 }	—	A-94	Idle up solenoid valve <AC>
		A-95	Intake air temperature switch
		A-96	Intercooler fan motor
		A-97	—
		A-98	—

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-27

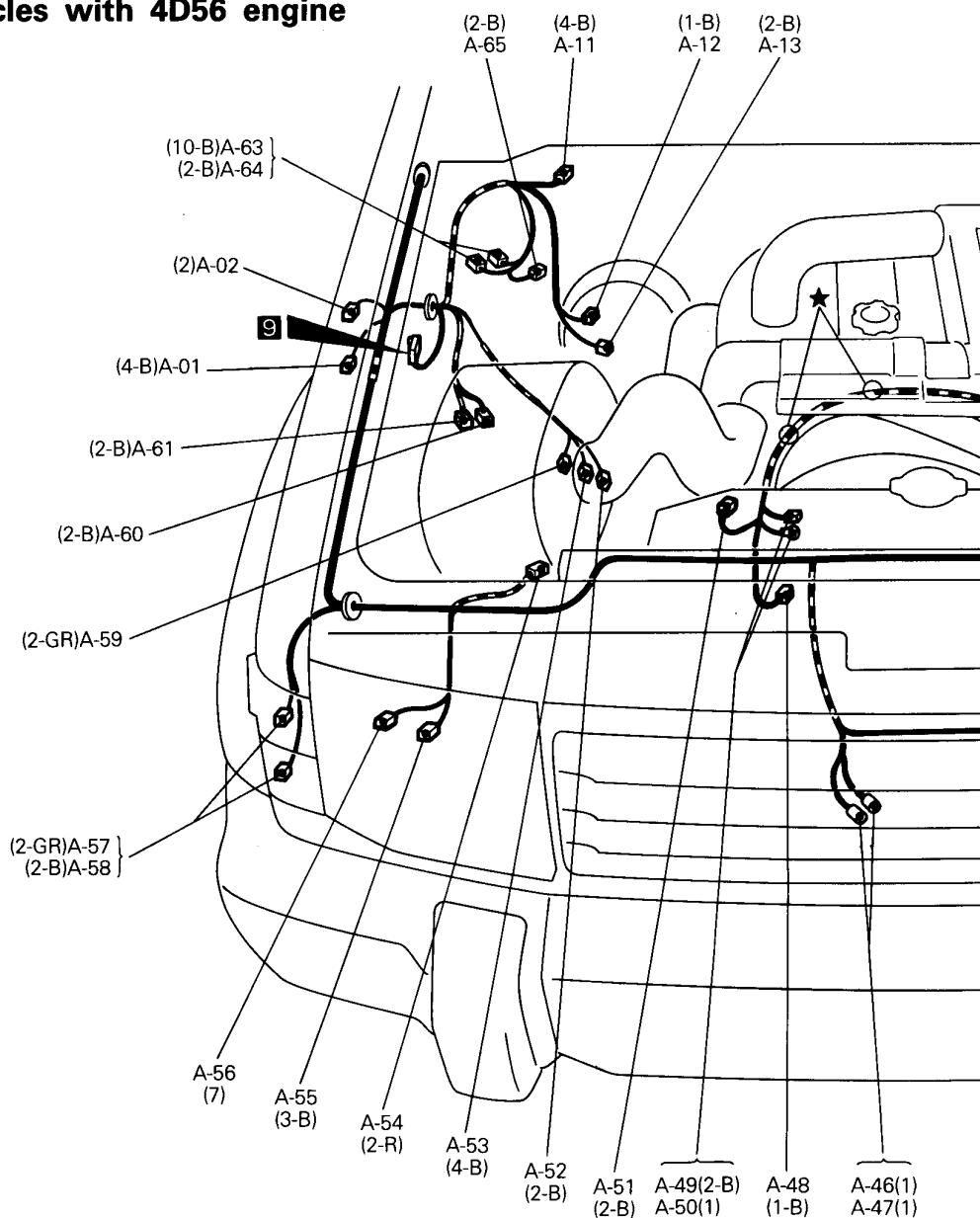


A-99	Glow plug relay	A-108	Lever position switch <A/T> or short connector <M/T>
A-100		A-109	Fuel cut solenoid valve
A-101		A-110	—
A-102	—	A-111	Rotation sensor
A-103	—	A-112	—
A-104	Engine coolant temperature gauge unit	A-113	—
A-105	—	A-114	Engine coolant temperature switch (for A/C compressor control)
A-106	Fuel injection pump wiring harness and control wiring harness combination	A-115	—
A-107	Lever position sensor	A-116	Engine coolant temperature switch (for condenser fan motor control)

2A-28 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

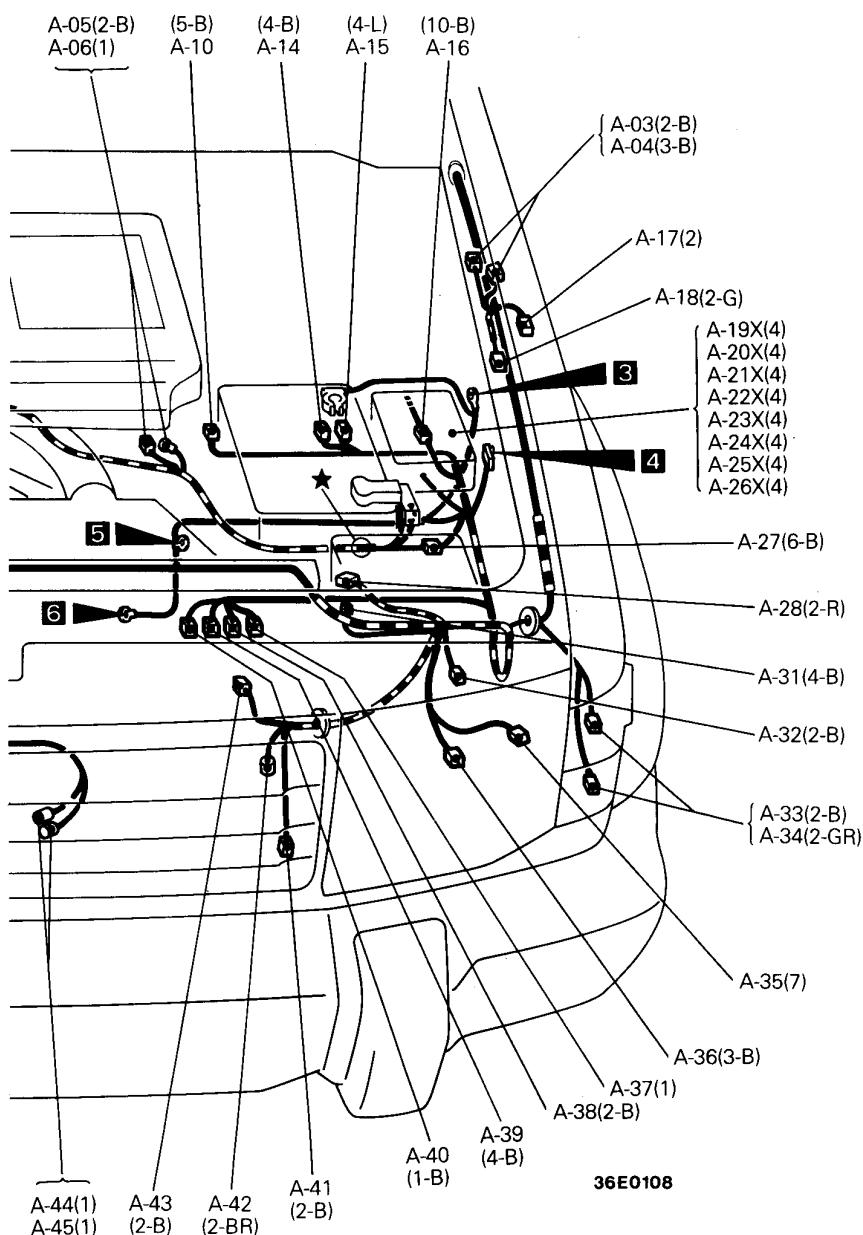
R.H. drive vehicles with 4D56 engine

Connector symbol
A
-01 thru -61



- | | | | |
|------------------|--|----------------------------|---|
| A-01 | Headlamp washer motor and headlamp washer fluid level sensor | A-16 | Control wiring harness and front wiring harness combination |
| A-02 | Side turn signal lamp (RH) | A-17 | Side turn signal lamp (LH) |
| A-03 }
A-04 } | Motor antenna | A-18 | Windshield washer motor |
| A-05 }
A-06 } | Starter | A-19X }
thru
A-26X } | Refer to centralized junction |
| A-07 | — | A-27 | Battery cable and front wiring harness combination |
| A-08 | — | A-28 | Front impact sensor (LH) <SRS> |
| A-09 | — | A-29 | — |
| A-10 | Starter relay | A-30 | — |
| A-11 | Windshield wiper motor | A-31 | Horn relay <Vehicles with SRS> |
| A-12 | Vacuum switch | A-32 | Resistor <for dim-dip lamp circuit> |
| A-13 | Brake fluid level switch | A-33 }
A-34 } | Front combination lamp (LH) |
| A-14 | No connection | | |
| A-15 | Condenser fan motor control relay | | |

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-29

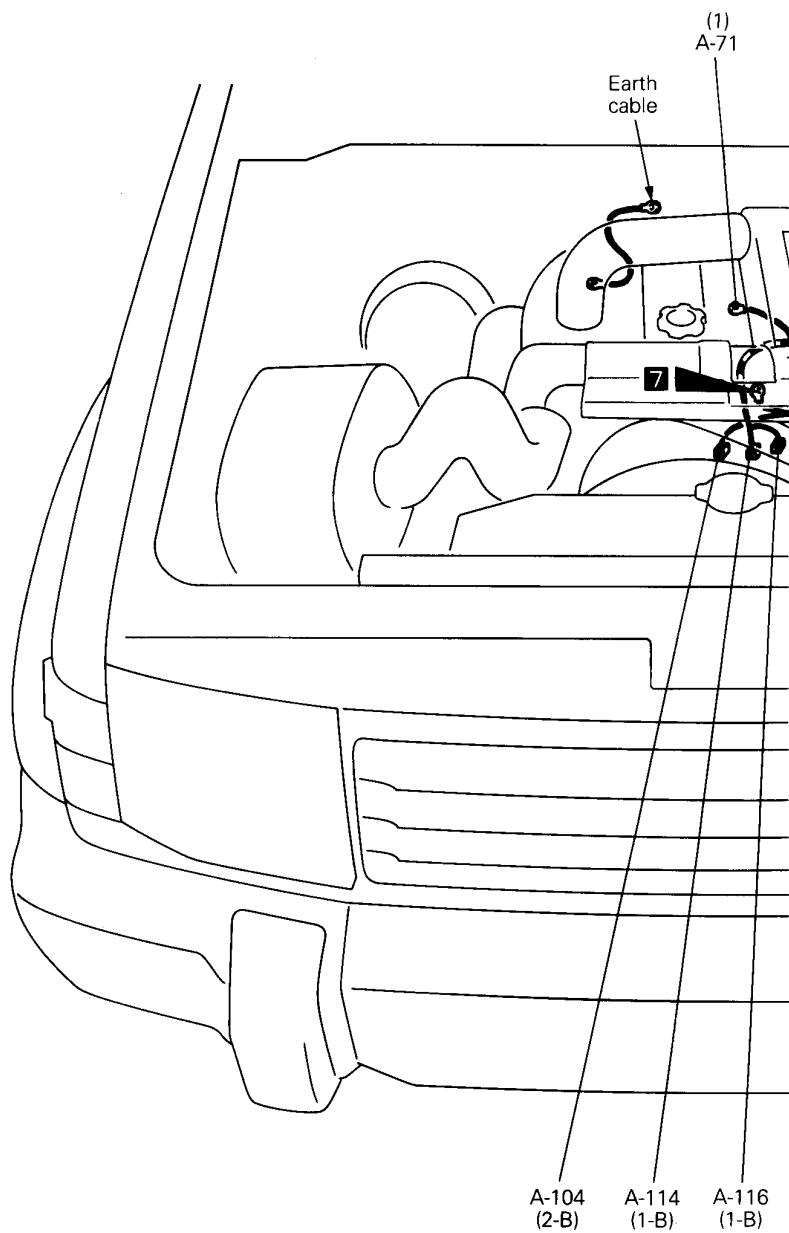


A-35	Headlamp leveling unit (LH)	A-48	Oil pressure switch
A-36	Headlamp (LH)	A-49	Alternator
A-37	No connection	A-50	
A-38	Speed sensor (Front:LH) <ABS>	A-51	Engine oil level sensor
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>	A-52	Speed sensor (Front:RH) <ABS>
A-40	Magnetic clutch <A/C>	A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-41	Thermo sensor (outside air) <Multi-meter>	A-54	Front impact sensor (RH) <SRS>
A-42	Dual pressure switch	A-55	Headlamp (RH)
A-43	Condenser fan motor	A-56	Headlamp leveling unit (RH)
A-44	Horn (LO)	A-57	Front combination lamp (RH)
A-45		A-58	
A-46	Horn (HI)	A-59	Free wheel engage switch
A-47		A-60	Solenoid valve A <Super select 4WD>
		A-61	Solenoid valve B <Super select 4WD>

2A-30 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

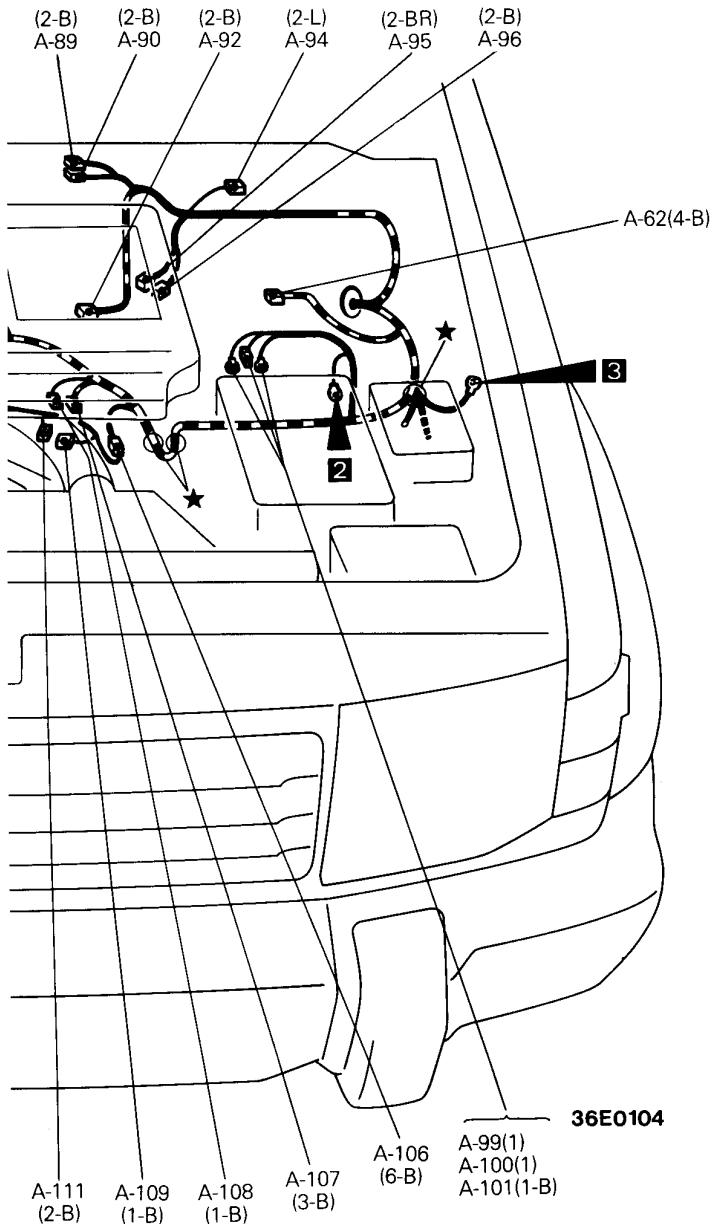
R.H. drive vehicles with 4D56 engine

Connector symbol
A
 -62 thru -118



A-62	Auto-cruise control actuator	A-89	EGR solenoid valve I
A-63 } A-64 }	Hydraulic unit	A-90	EGR solenoid valve II
A-65	Idle up solenoid valve <ABS>	A-91	—
A-66 } thru A-70 }	—	A-92	Water level switch
A-71	Glow plug	A-93	—
A-72 } thru A-88 }	—	A-94	Idle up solenoid valve < A/C >
		A-95	Intake air temperature switch
		A-96	Intercooler fan motor
		A-97	—
		A-98	—

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-31



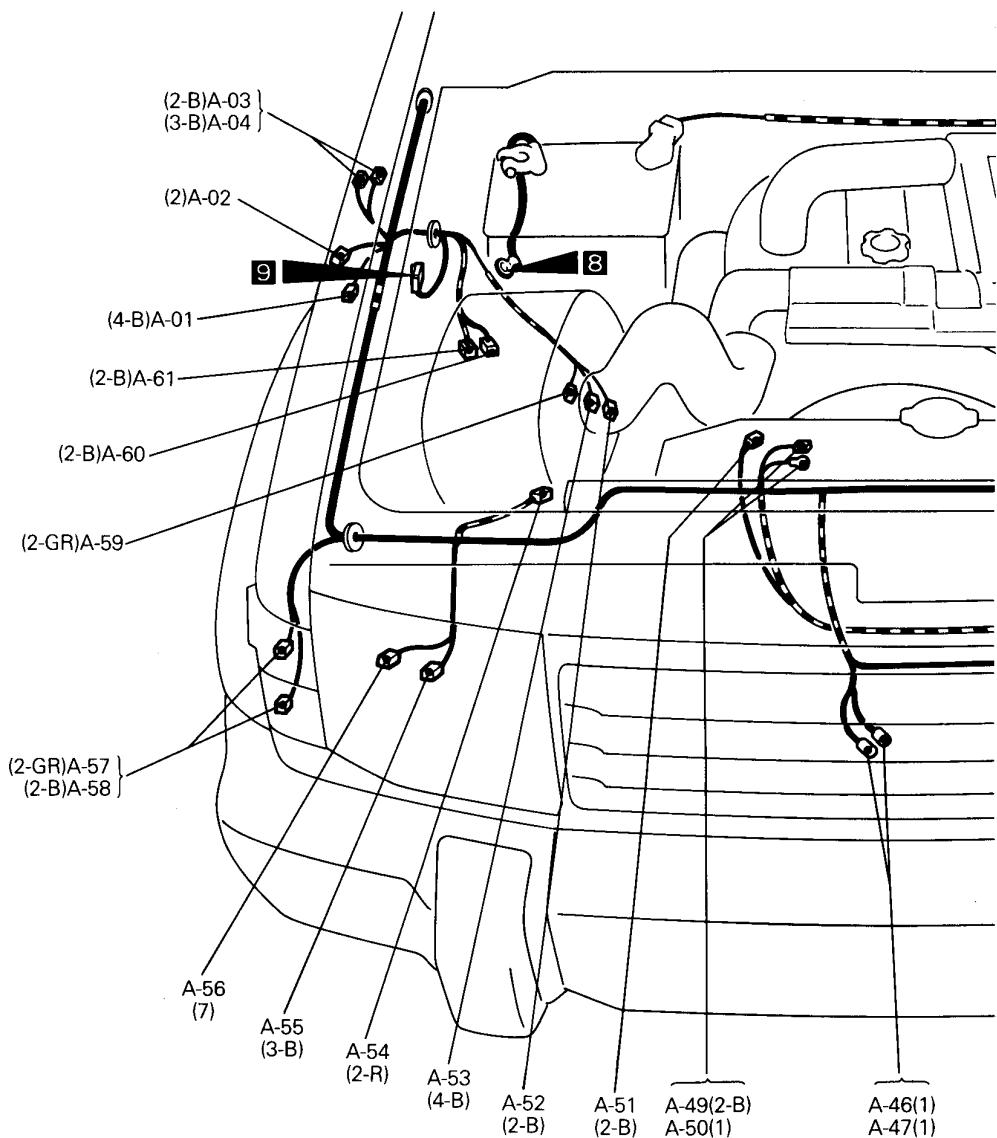
A-99
A-100 } Glow plug relay
A-101
A-102 —
A-103 —
A-104 Engine coolant temperature gauge unit
A-105 —
A-106 Fuel injection pump wiring harness and control wiring
harness combination
A-107 Lever position sensor

A-108 Lever position switch < A/T > or short connector < M/T >
A-109 Fuel cut solenoid valve
A-110 —
A-111 Rotation sensor
A-112 —
A-113 —
A-114 Engine coolant temperature switch (for A/C compress-
or control)
A-115 —
A-116 Engine coolant temperature switch (for condenser fan
motor control)

2A-32 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

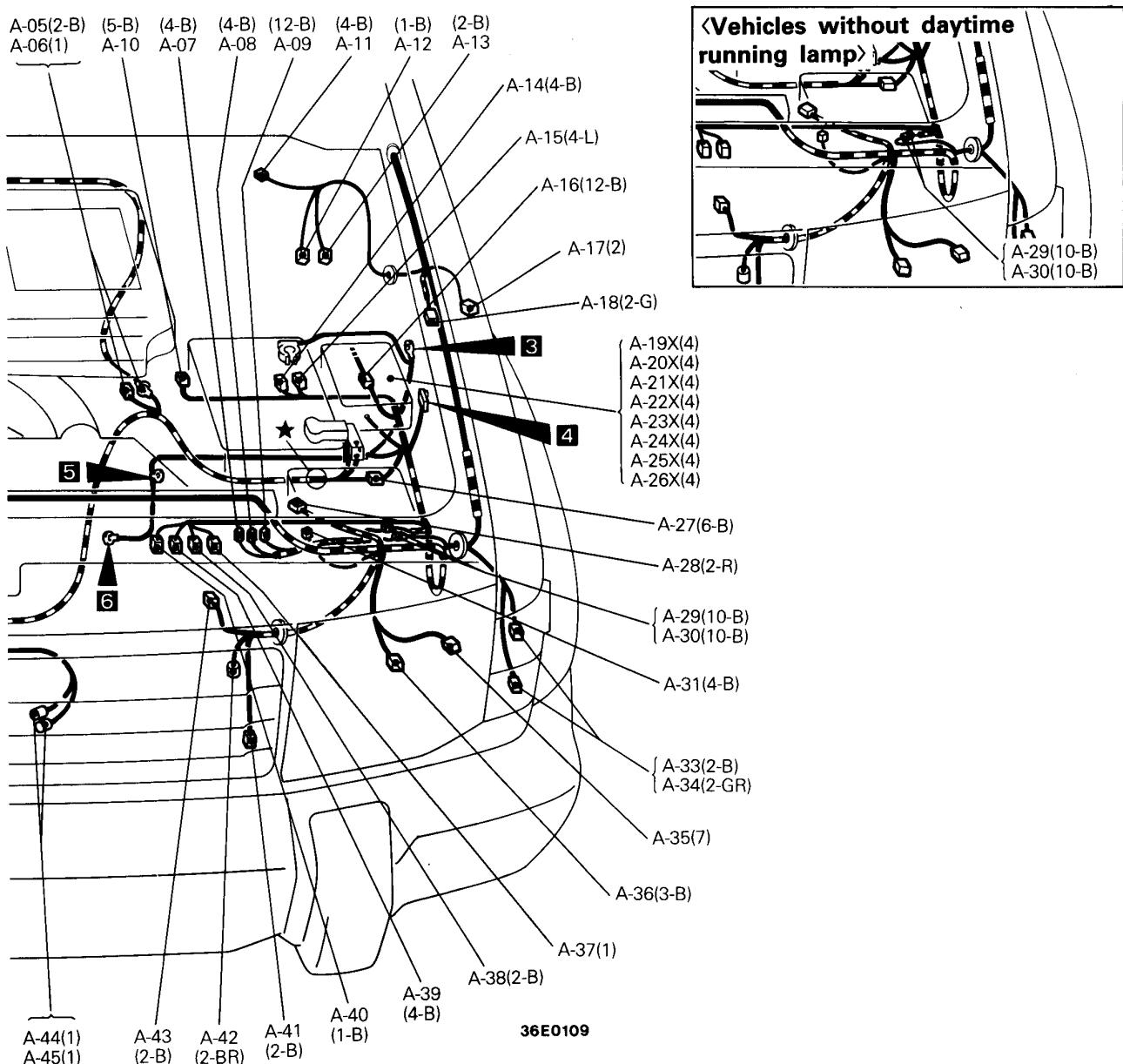
L.H. drive vehicles with 4M40 engine

Connector symbol
A
-01 thru -61



- | | | | |
|------|--|----------------------|---|
| A-01 | Headlamp washer motor and headlamp washer fluid level sensor | A-16 | Control wiring harness and front wiring harness combination |
| A-02 | Side turn signal lamp (RH) | A-17 | Side turn signal lamp (LH) |
| A-03 | Motor antenna | A-18 | Windshield washer motor |
| A-04 | | A-19X } thru A-26X } | Refer to centralized junction |
| A-05 | Starter | A-27 | Battery cable and front wiring harness combination |
| A-06 | | A-28 | Front impact sensor (LH) <SRS> |
| A-07 | Daytime running lamp relay 2 | A-29 } A-30 } | Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector |
| A-08 | Daytime running lamp relay 1 | A-31 | Horn relay <Vehicles with SRS> |
| A-09 | Daytime running lamp control unit | A-32 | — |
| A-10 | Starter relay | A-33 } A-34 } | Front combination lamp (LH) |
| A-11 | Windshield wiper motor | | |
| A-12 | Vacuum switch | | |
| A-13 | Brake fluid level switch | | |
| A-14 | A/C compressor capacity control relay | | |
| A-15 | Condenser fan motor control relay | | |

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-33

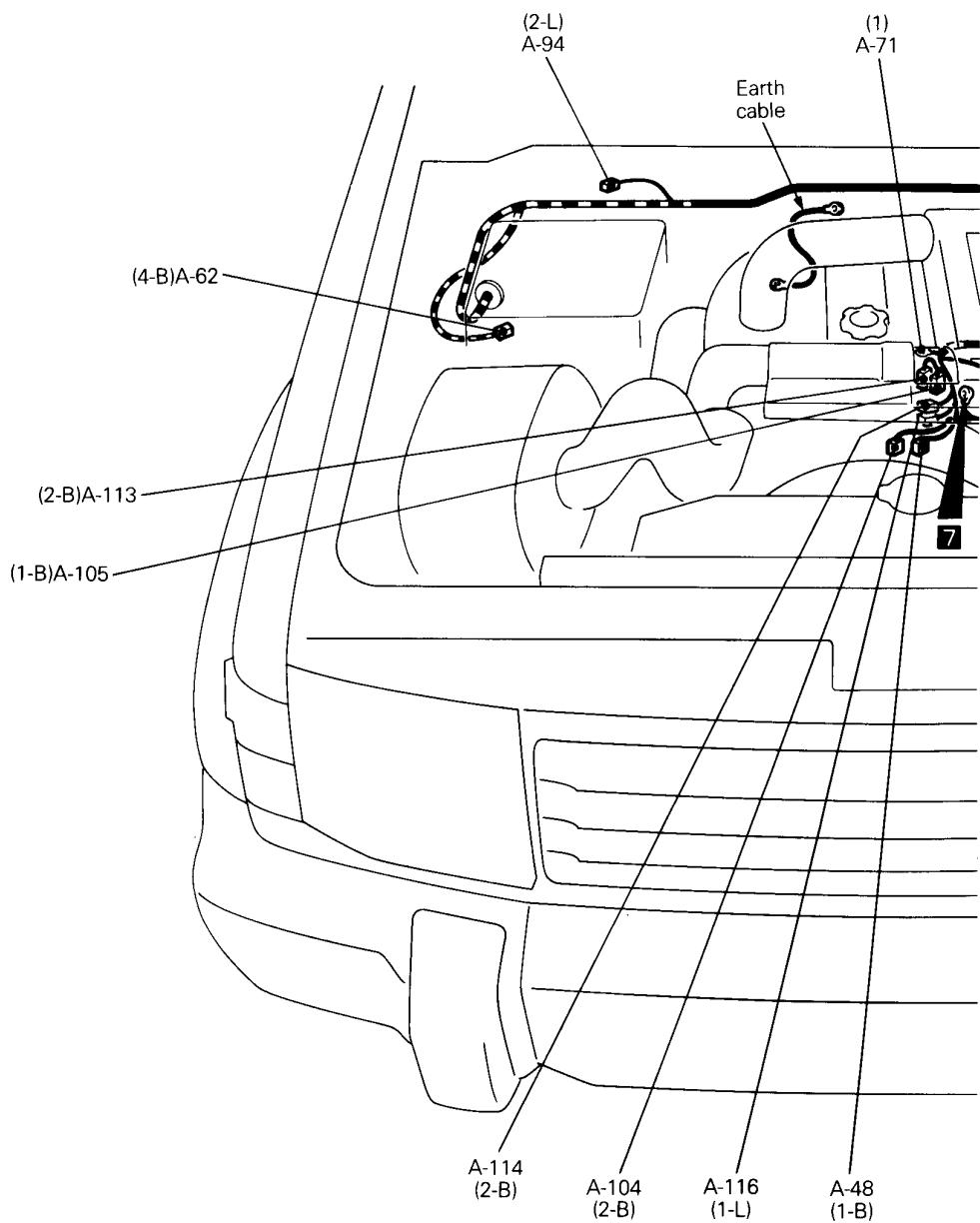


A-35	Headlamp leveling unit (LH)	A-48	Oil pressure switch
A-36	Headlamp (LH)	A-49	Alternator
A-37	A/C compressor capacity control solenoid valve	A-50	
A-38	Speed sensor (Front:LH) <ABS>	A-51	Engine oil level sensor
A-39	Shock absorber (Front:LH) <Remote controlled variable shock absorber>	A-52	Speed sensor (Front:RH) <ABS>
A-40	Magnetic clutch <A/C>	A-53	Shock absorber (Front:RH) <Remote controlled variable shock absorber>
A-41	Thermo sensor (outside air) <Multi-meter>	A-54	Front impact sensor (RH) <SRS>
A-42	Dual pressure switch	A-55	Headlamp (RH)
A-43	Condenser fan motor	A-56	Headlamp leveling unit (RH)
A-44	Horn (LO)	A-57	Front combination lamp (RH)
A-45		A-58	
A-46	Horn (HI)	A-59	Free wheel engage switch
A-47		A-60	Solenoid valve A <Super select 4WD>
		A-61	Solenoid valve B <Super select 4WD>

2A-34 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment

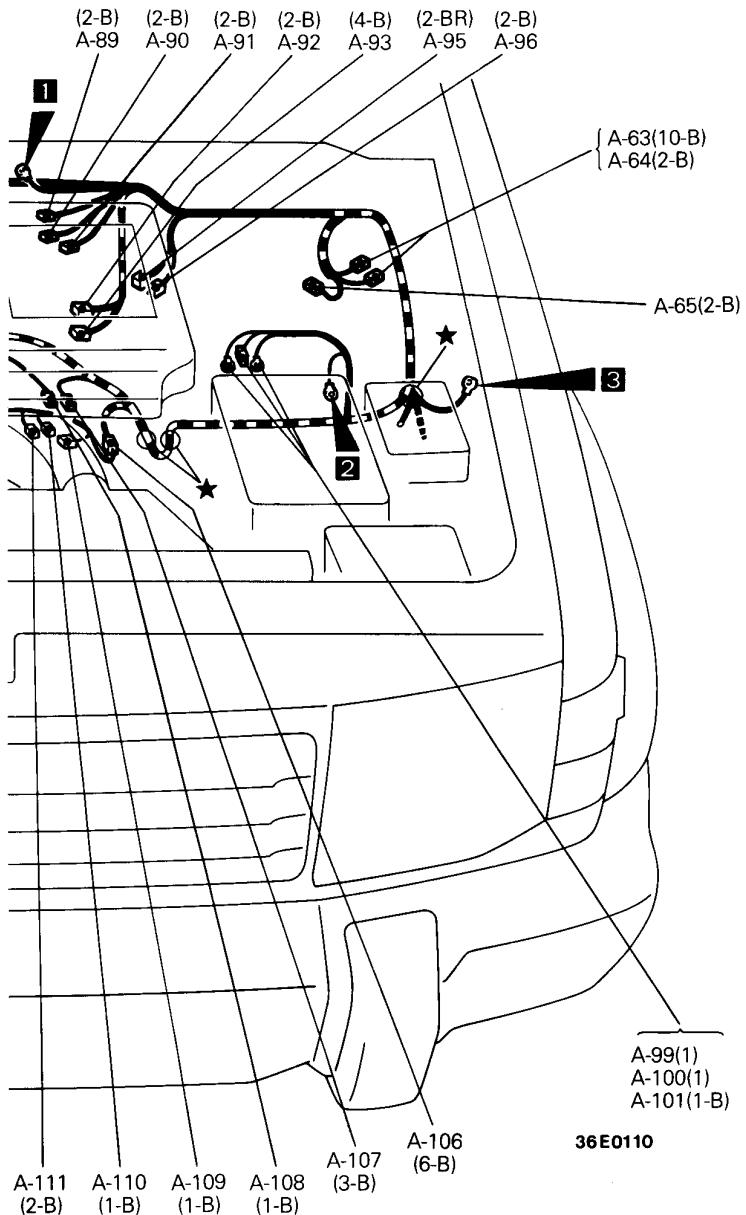
L.H. drive vehicles with 4M40 engine

Connector symbol
A
-62 thru -116



A-62	Auto-cruise control actuator	A-89	EGR solenoid valve I
A-63 } Hydraulic unit		A-90	EGR solenoid valve II
A-64 }		A-91	Supercharging pressure relief solenoid valve
A-65	Idle up solenoid valve <ABS>	A-92	Water level switch
A-66 } —		A-93	Fuel line heater or no connection
A-67 }		A-94	Idle up solenoid valve <AC>
A-71	Glow plug	A-95	Intake air temperature switch
A-72 } —		A-96	Intercooler fan motor
A-88 }		A-97	—
		A-98	—

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine Compartment 2A-35



A-99
A-100 }
A-101 } Glow plug relay

A-102 —

A-103 —

A-104 Engine coolant temperature gauge unit

A-105 Engine coolant temperature switch < A/T >

A-106 Fuel injection pump wiring harness and control wiring harness combination

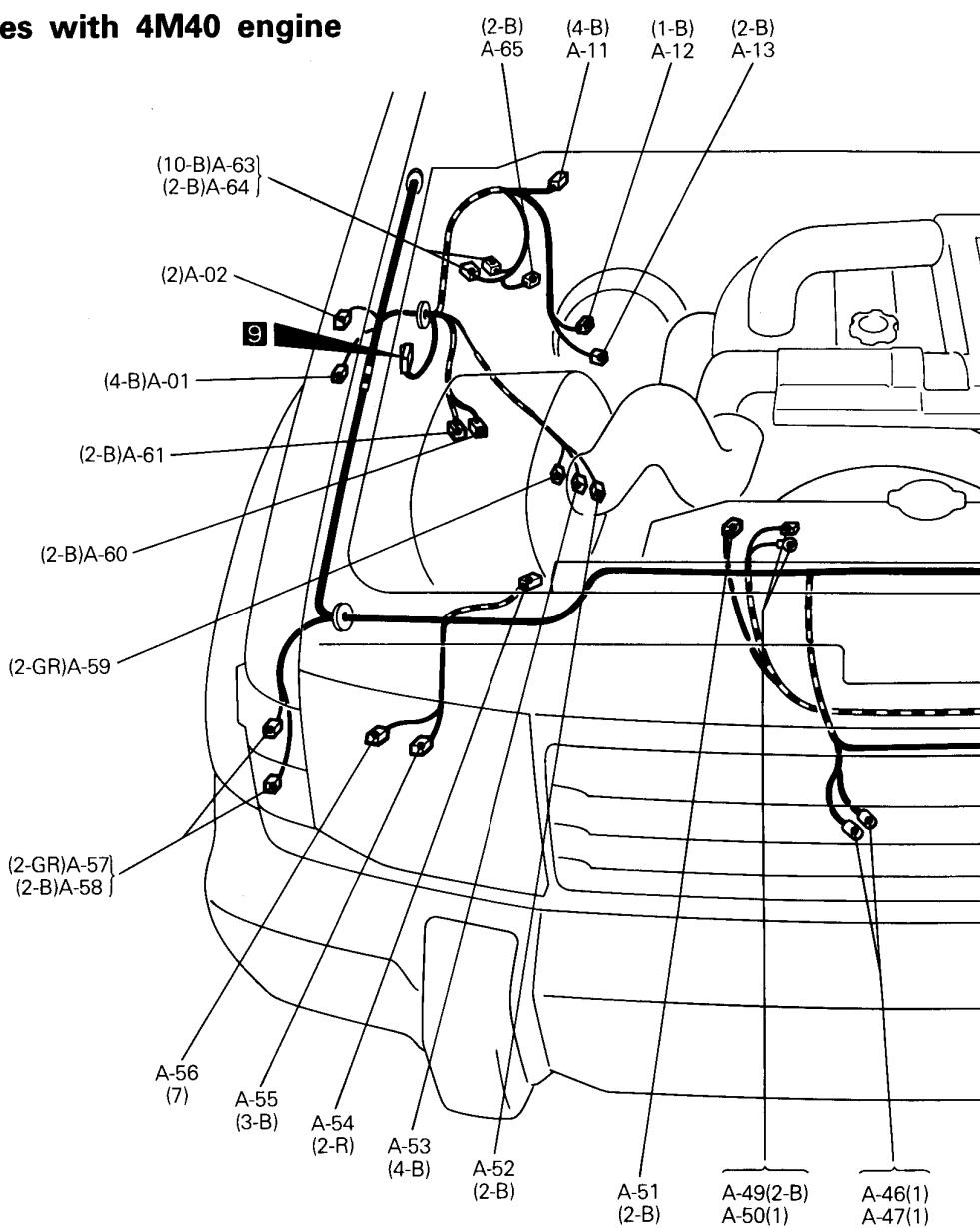
A-107 Lever position sensor

A-108	Lever position switch < A/T > or short connector < M/T >
A-109	Fuel cut solenoid valve
A-110	Timer solenoid valve
A-111	Rotation sensor
A-112	—
A-113	Engine coolant temperature sensor
A-114	Engine coolant temperature switch (for A/C compressor or control)
A-115	—
A-116	Engine coolant temperature switch (for condenser fan motor control)

2A-36 WIRING HARNESS CONFIGURATION DIAGRAMS — Engine compartment

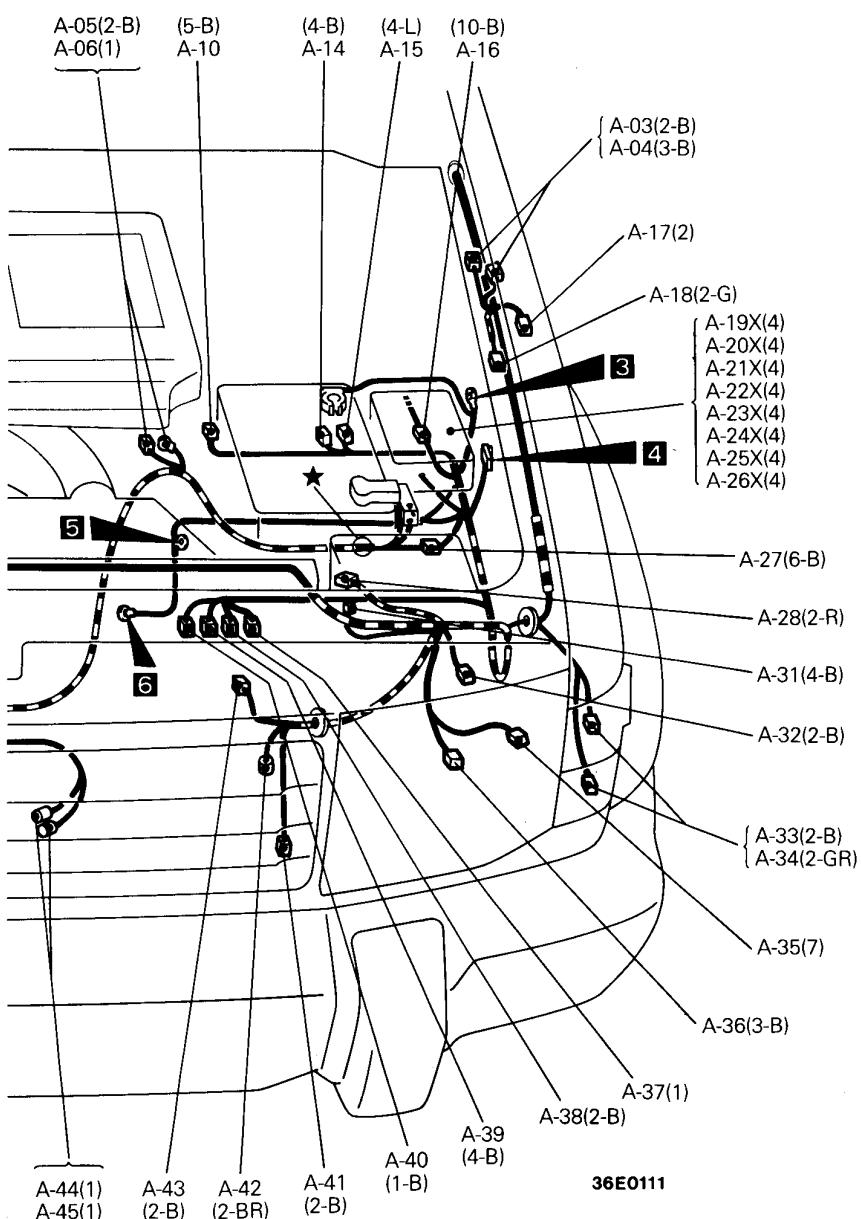
R.H. drive vehicles with 4M40 engine

Connector symbol
A
 -01 thru -61



- | | | | |
|------------------|--|----------------------------|---|
| A-01 | Headlamp washer motor and headlamp washer fluid level sensor | A-16 | Control wiring harness and front wiring harness combination |
| A-02 | Side turn signal lamp (RH) | A-17 | Side turn signal lamp (LH) |
| A-03 }
A-04 } | Motor antenna | A-18 | Windshield washer motor |
| A-05 }
A-06 } | Starter | A-19X }
thru
A-26X } | Refer to centralized junction |
| A-07 | — | A-27 | Battery cable and front wiring harness combination |
| A-08 | — | A-28 | Front impact sensor (LH) <SRS> |
| A-09 | — | A-29 | — |
| A-10 | Starter relay | A-30 | — |
| A-11 | Windshield wiper motor | A-31 | Horn relay <Vehicles with SRS> |
| A-12 | Vacuum switch | A-32 | Resistor <for dim-dip lamp circuit> |
| A-13 | Brake fluid level switch | A-33 }
A-34 } | Front combination lamp (LH) |
| A-14 | A/C compressor capacity control relay | | |
| A-15 | Condenser fan motor control relay | | |

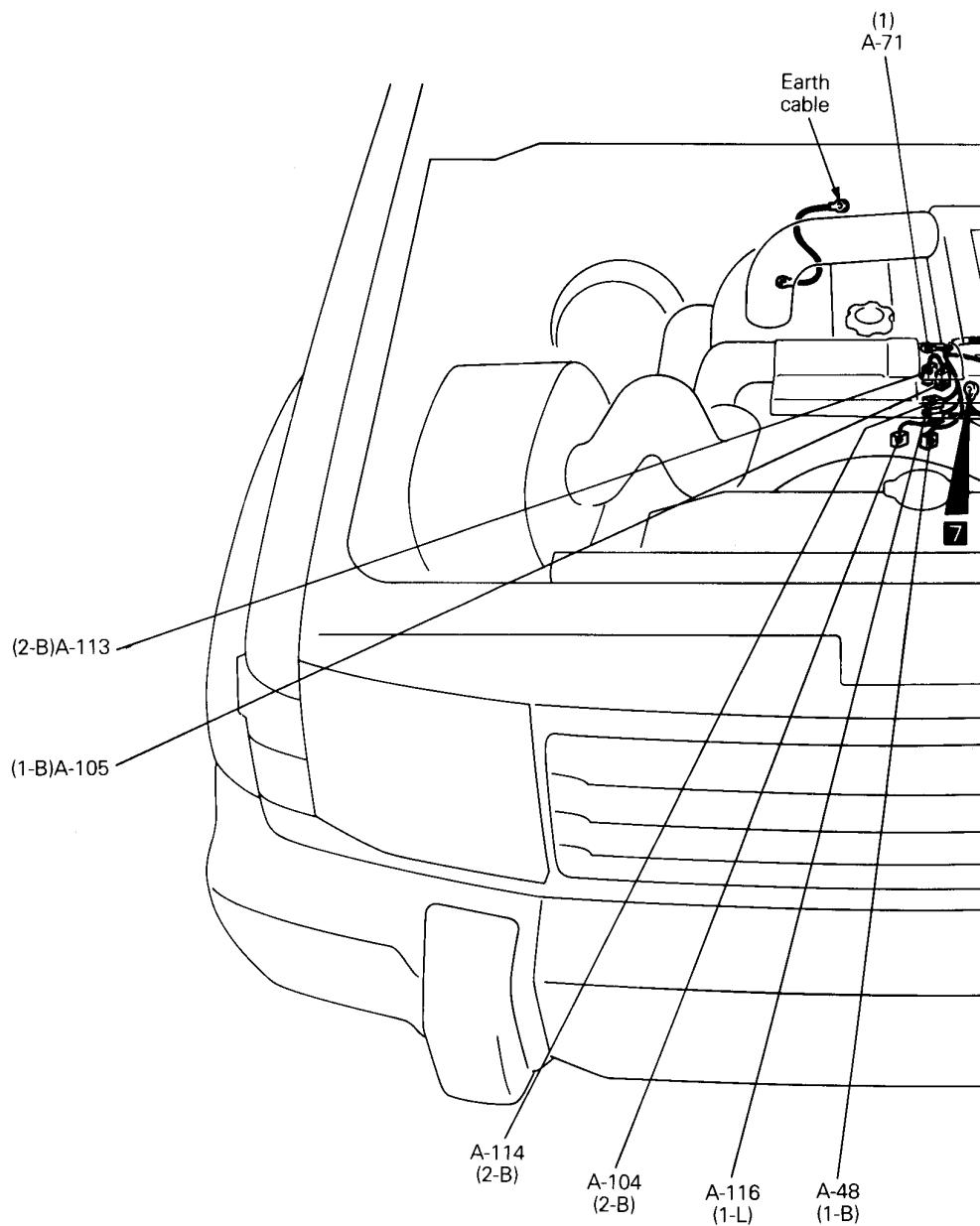
WIRING HARNESS CONFIGURATION DIAGRAMS — Engine compartment 2A-37



A-35	Headlamp leveling unit (LH)	A-48	Oil pressure switch
A-36	Headlamp (LH)	A-49	Alternator
A-37	A/C compressor capacity control solenoid valve	A-50	Engine oil level sensor
A-38	Speed sensor (Front: LH) <ABS>	A-51	Speed sensor (Front: RH) <ABS>
A-39	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-52	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-40	Magnetic clutch <AC>	A-53	Front impact sensor (RH) <SRS>
A-41	Thermo sensor (outside air) <Multi-meter>	A-54	Headlamp (RH)
A-42	Dual pressure switch	A-55	Headlamp leveling unit (RH)
A-43	Condenser fan motor	A-56	Front combination lamp (RH)
A-44	Horn (LO)	A-57	Front combination lamp (RH)
A-45	Horn (HI)	A-58	Free wheel engage switch
A-46		A-59	Solenoid valve A <Super select 4WD>
A-47		A-60	Solenoid valve B <Super select 4WD>
		A-61	

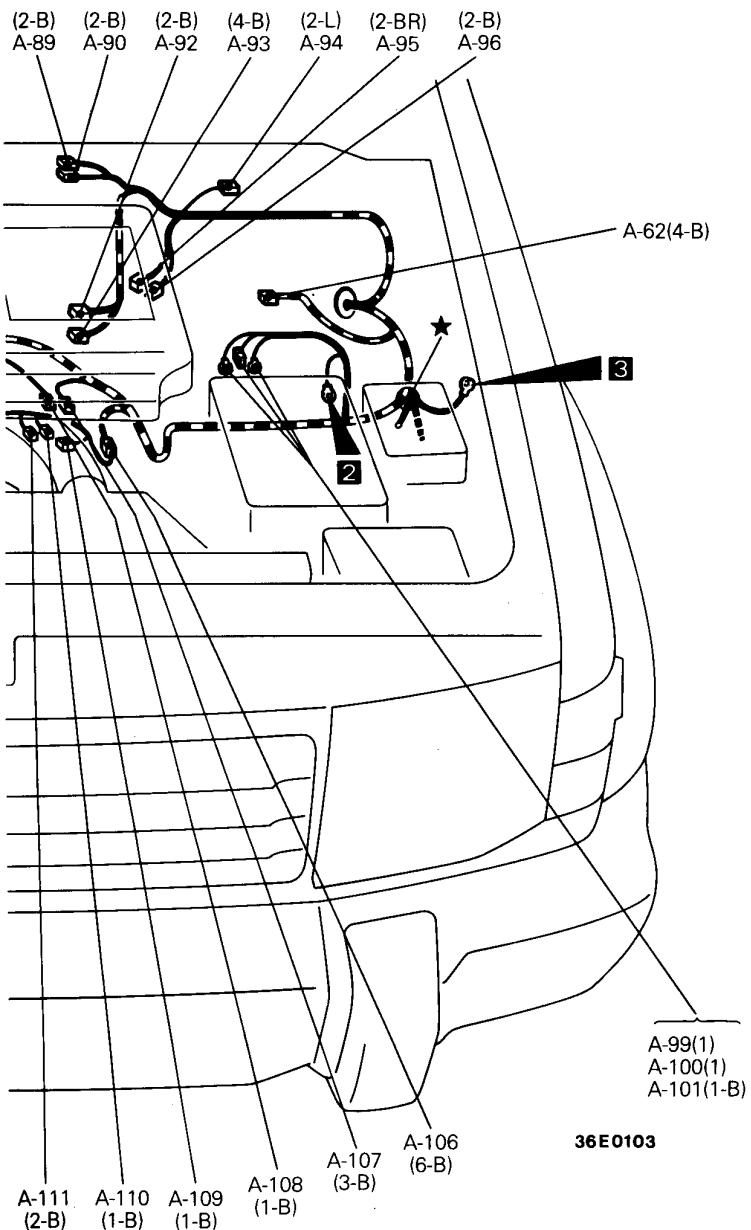
R.H. drive vehicles with 4M40 engine

Connector symbol
A
-62
thru
-116



A-62	Auto-cruise control actuator	A-89	EGR solenoid valve I
A-63 } A-64 }	Hydraulic unit	A-90	EGR solenoid valve II
A-65	Idle up solenoid valve <ABS>	A-91	—
A-66 } thru } A-70 }	—	A-92	Water level switch
A-71	Glow plug	A-93	Fuel line heater or no connection
A-72 } thru } A-88 }	—	A-94	Idle up solenoid valve <AC>
		A-95	Intake air temperature switch
		A-96	Intercooler fan motor
		A-97	—
		A-98	—

WIRING HARNESS CONFIGURATION DIAGRAMS — Engine compartment **2A-39**



A-99
A-100 }
A-101 } Glow plug relay

A-102 —

A-103 —

A-104 Engine coolant temperature gauge unit

A-105 Engine coolant temperature switch <A/T>

A-106 Fuel injection pump wiring harness and control wiring harness combination

A-107 Lever position sensor

A-108 Lever position switch <A/T> or short connector <M/T>

A-109 Fuel cut solenoid valve

A-110 Timer solenoid valve

A-111 Rotation sensor

A-112 —

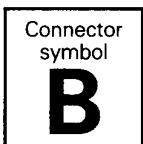
A-113 Engine coolant temperature sensor

A-114 Engine coolant temperature switch (for A/C compressor or control)

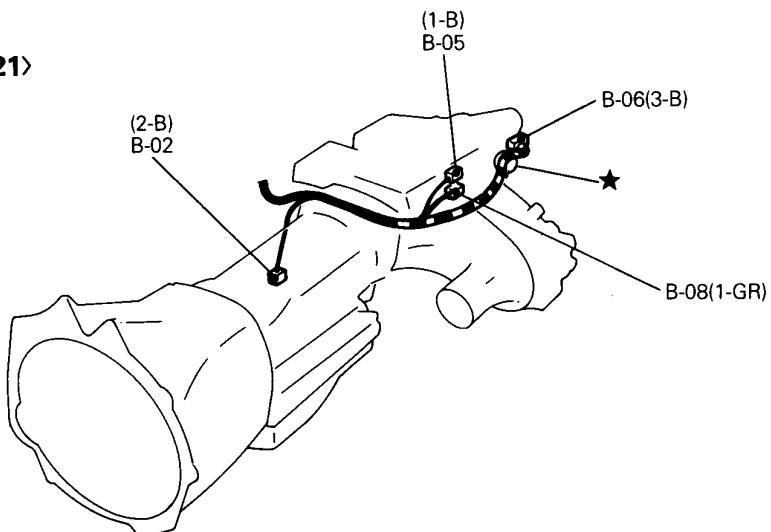
A-115 —

A-116 Engine coolant temperature switch (for condenser fan motor control)

**TRANSMISSION
PART TIME 4WD**

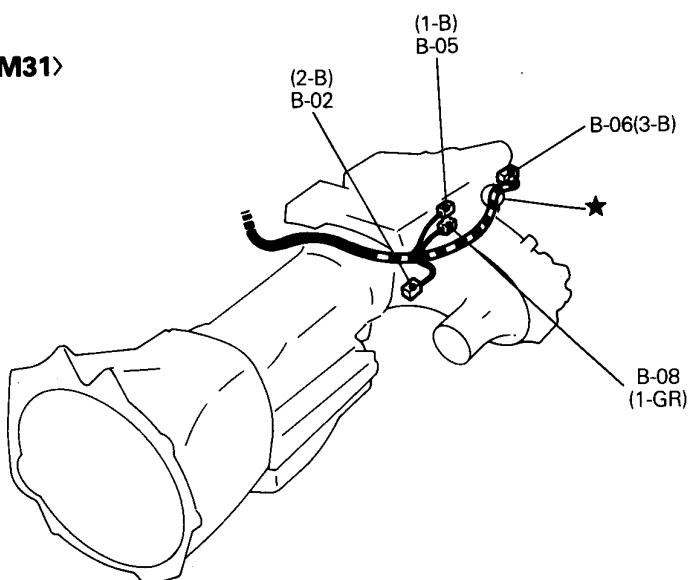


〈V5MT1, V5M21〉



36E0096

〈V5M31〉

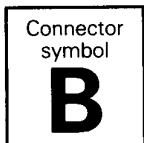


36E0095

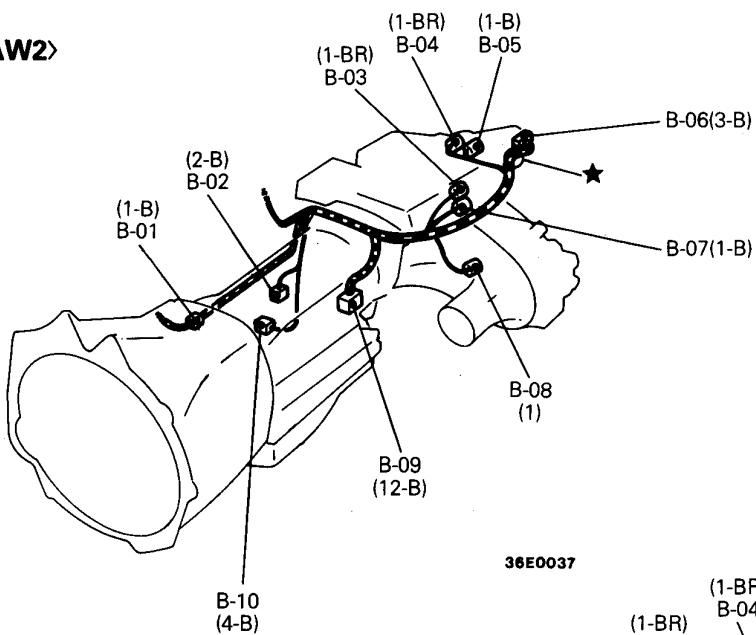
B-01	—
B-02	Back-up lamp switch <M/T>
B-03	—
B-04	—

B-05	4WD operation detection switch
B-06	Vehicle speed sensor
B-07	—
B-08	High range/low range detection switch

SUPER SELECT 4WD

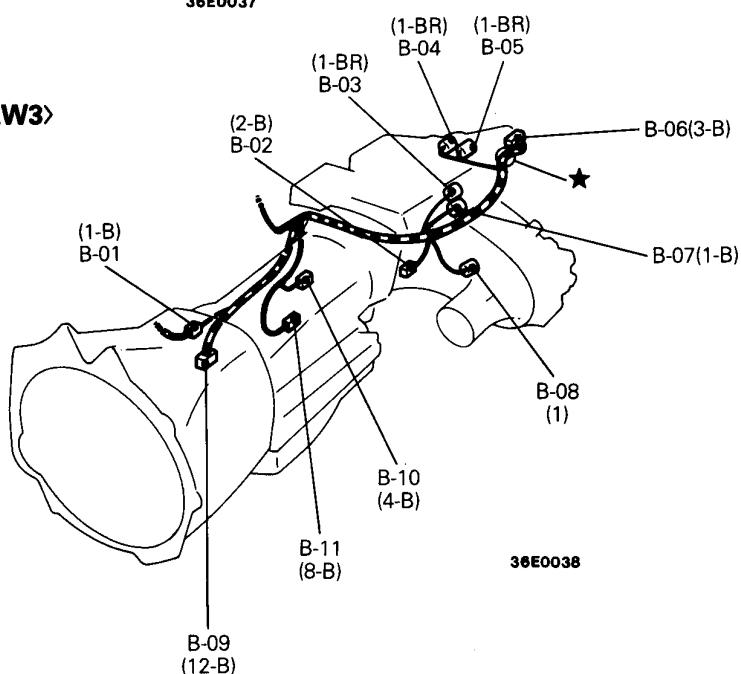


〈V5MT1, V4AW2〉



36E0037

〈V5M31, V4AW3〉



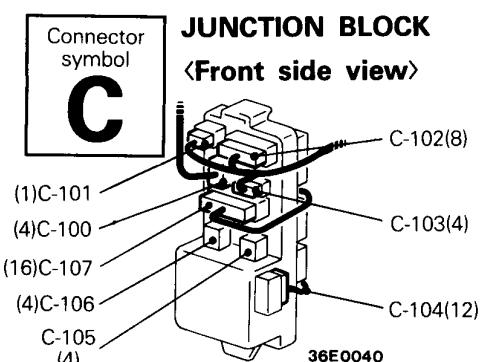
36E0038

- | | | | |
|------|---|------|---|
| B-01 | Battery cable and transmission wiring harness combination <Petrol-powered vehicles> | B-06 | Vehicle speed sensor |
| B-02 | Back-up lamp switch <M/T> | B-07 | 2WD/4WD detection switch |
| B-03 | Center differential lock detection switch | B-08 | High range/low range detection switch |
| B-04 | Center differential lock operation detection switch | B-09 | Inhibitor switch <A/T> |
| B-05 | 4WD operation detection switch | B-10 | Oxygen sensor <Petrol-powered vehicles> |
| | | B-11 | Solenoid assembly <V4AW3> |

2A-42 WIRING HARNESS CONFIGURATION DIAGRAMS — Dash panel

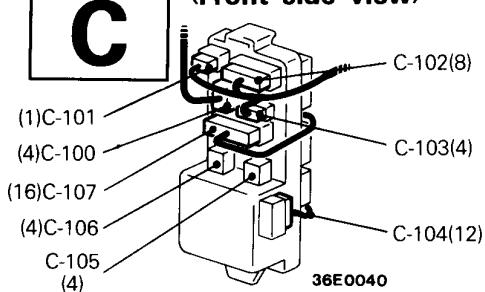
DASH PANEL

L.H. drive vehicles

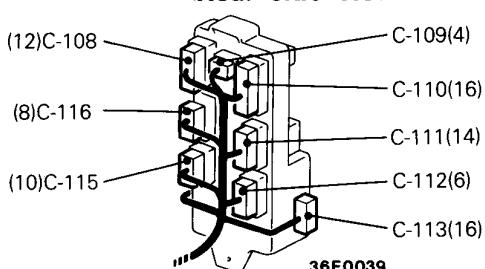


JUNCTION BLOCK

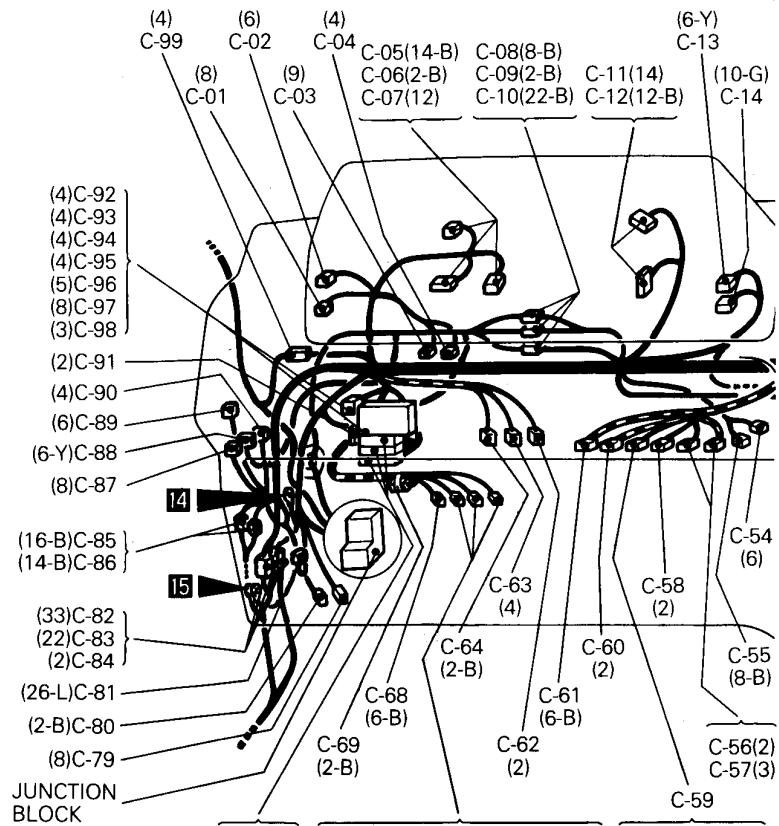
<Front side view>



<Rear side view>



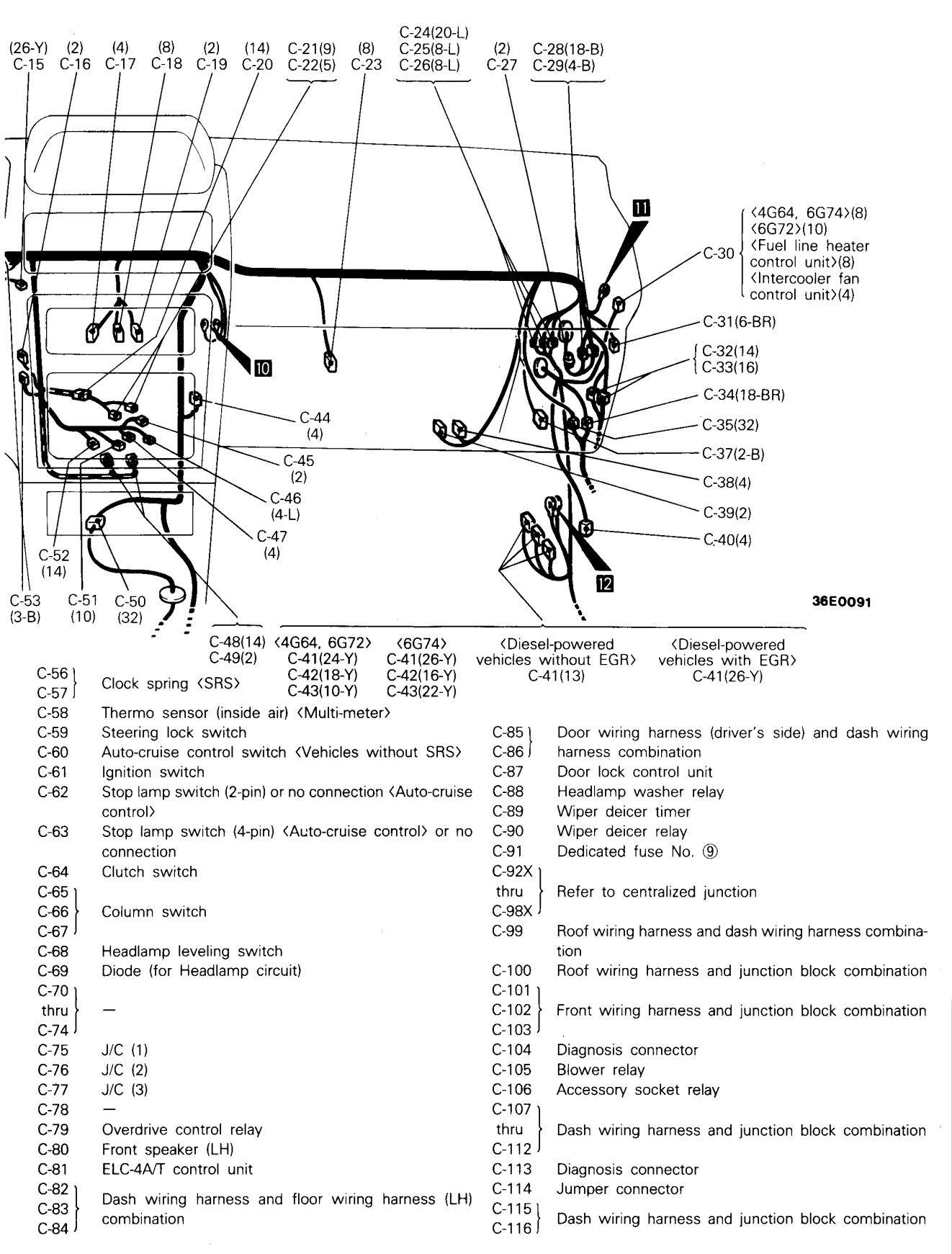
- C-01 Auto-cruise control main switch
- C-02 Rear fog lamp switch
- C-03 Remote controlled mirror switch
- C-04 Rheostat or jumper connector
- C-05 } Combination meter
- C-06 }
- C-07 }
- C-08 } Front wiring harness and dash wiring harness combination
- C-09 }
- C-10 }
- C-11 } Combination meter
- C-12 }
- C-13 Defogger switch
- C-14 Hazard switch
- C-15 Auto-cruise control unit or spare connector
- C-16 Kickdown switch
- C-17 A/C switch
- C-18 Blower switch
- C-19 Blower control illumination lamp
- C-20 Dash wiring harness and radio sub wiring harness combination
- C-21 } Radio
- C-22 }
- C-23 A/C unit
- C-24 } Control wiring harness and dash wiring harness combination
- C-25 }
- C-26 }
- C-27 Diode (for super select 4WD circuit)
- C-28 } Front wiring harness and dash wiring harness combination
- C-29 }
- C-30 Engine control relay or fuel line heater control unit or intercooler fan control unit <Vehicles without fuel line heater>



C-75(33)	<With SRS>	<Without SRS>	<Without SRS>
C-76(33)	C-65(10)	C-65(14)	(4-B)
C-77(33)	C-66(6)	C-66(8)	<With SRS>
	C-67(12)	C-67(4)	(7)

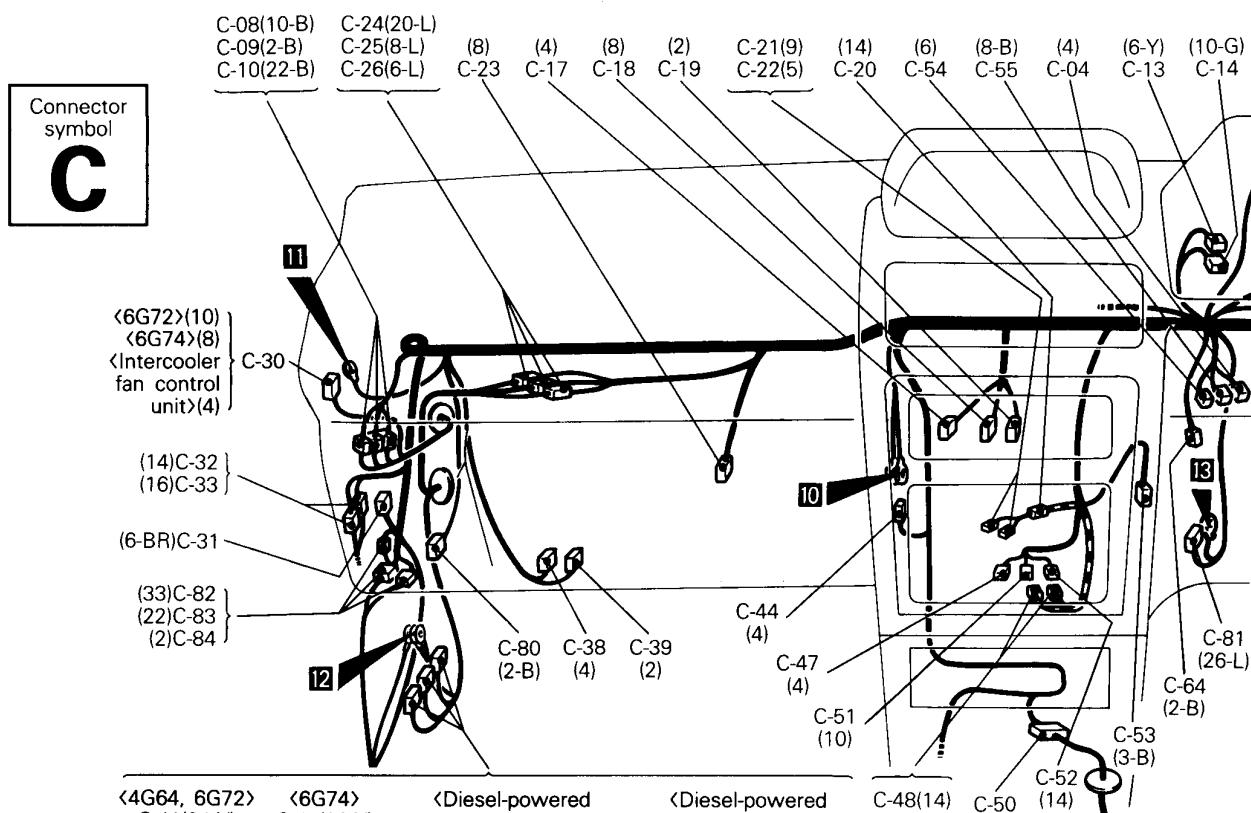
- C-31 Engine oil level relay
- C-32 } Door wiring harness (passenger's side) and dash wiring harness combination
- C-33 }
- C-34 Control wiring harness and floor wiring harness (RH) combination
- C-35 Dash wiring harness and floor wiring harness (RH) combination
- C-36 —
- C-37 Front speaker (RH)
- C-38 Resistor (for blower motor control circuit)
- C-39 Blower motor
- C-40 Intercooler fan control unit <Vehicles with fuel line heater>
- C-41 Engine control unit or glow control unit
- C-42 } Engine control unit
- C-43 }
- C-44 Key cylinder illumination lamp timer
- C-45 Diode (for ABS circuit)
- C-46 Diode (for MPI circuit)
- C-47 4WD indicator relay
- C-48 } SRS diagnosis unit
- C-49 }
- C-50 Transmission wiring harness and dash wiring harness combination
- C-51 4WD indicator control unit
- C-52 Motor antenna control unit
- C-53 Lighting monitor buzzer
- C-54 Wiper deicer switch
- C-55 Motor antenna switch

WIRING HARNESS CONFIGURATION DIAGRAMS — Dash panel 2A-43



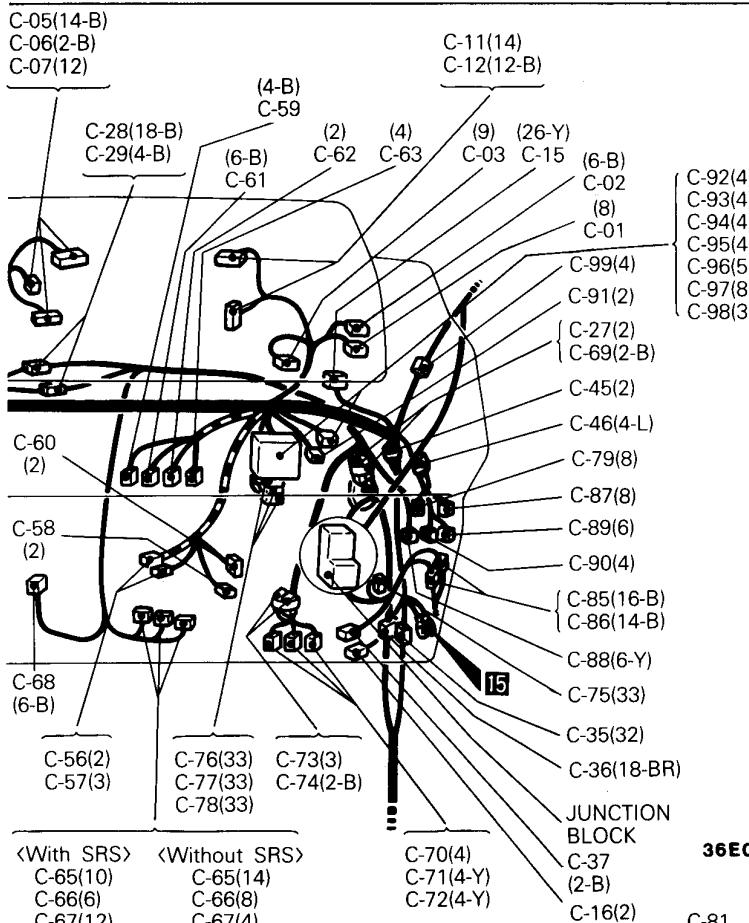
2A-44 WIRING HARNESS CONFIGURATION DIAGRAMS — Dash panel

R.H. drive vehicles



		<4G64, 6G72>	<6G74>	<Diesel-powered vehicles without EGR>	<Diesel-powered vehicles with EGR>	C-41(26-Y)
C-01	Auto-cruise control main switch	C-41(24-Y)	C-41(26-Y)	C-41(13)	C-41(26-Y)	C-28 } Front wiring harness and dash wiring harness combination
C-02	Rear fog lamp switch	C-42(18-Y)	C-42(16-Y)		C-29 }	Front wiring harness and dash wiring harness combination
C-03	Remote controlled mirror switch	C-43(10-Y)	C-43(22-Y)		C-30	Engine control relay or intercooler fan control unit
C-04	Rheostat or jumper connector				C-31	Engine oil level relay
C-05 } C-06 } C-07 } C-08 } C-09 } C-10 }	Combination meter				C-32 } C-33 }	Door wiring harness (passenger's side) and dash wiring harness combination
					C-34	—
					C-35	Dash wiring harness and floor wiring harness (RH) combination
					C-36	Front wiring harness and floor wiring harness (RH) combination
					C-37	Front speaker (RH)
					C-38	Resistor (for blower motor control circuit)
					C-39	Blower motor
					C-40	Intercooler control unit <Vehicles with fuel line heater>
					C-41	Engine control unit or glow control unit
					C-42	Engine control unit
					C-43	Engine control unit
					C-44	Key cylinder illumination lamp timer
					C-45	Diode (for ABS circuit)
					C-46	Diode (for MPI circuit)
					C-47	4WD indicator relay
					C-48 } C-49 }	SRS diagnosis unit
					C-50	Transmission wiring harness and dash wiring harness combination
					C-51	4WD indicator control unit
					C-52	Motor antenna control unit
					C-53	Lighting monitor buzzer

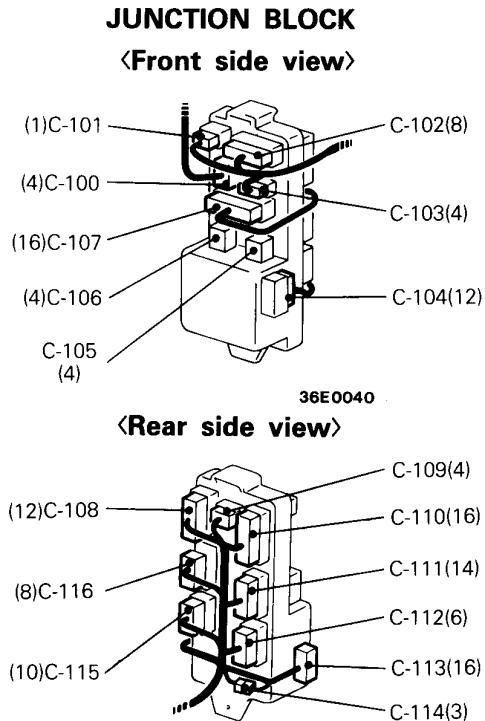
WIRING HARNESS CONFIGURATION DIAGRAMS — Dash panel 2A-45



<With SRS>	<Without SRS>
C-65(10)	C-65(14)
C-66(6)	C-66(8)
C-67(12)	C-67(4)

C-54	Wiper deicer switch
C-55	Motor antenna switch
C-56 }	Clock spring <SRS>
C-57 }	
C-58	Thermo sensor (inside air) <Multi-meter>
C-59	Steering lock switch
C-60	Auto-cruise control switch <Vehicles without SRS>
C-61	Ignition switch
C-62	Stop lamp switch (2-pin) or no connection <Auto-cruise control>
C-63	Stop lamp switch (4-pin) <Auto-cruise control> or no connection
C-64	Clutch switch
C-65 }	
C-66 }	Column switch
C-67 }	
C-68	Headlamp leveling switch
C-69	Diode (for Headlamp circuit)
C-70	Dim-dip lamp relay 1
C-71	Dim-dip lamp relay 2
C-72	Dim-dip lamp relay 3
C-73 }	
C-74 }	Diode (for dim-dip lamp circuit)
C-75	J/C (1)
C-76	J/C (2)
C-77	J/C (3)
C-78	J/C (4)
C-79	Overdrive control relay
C-80	Front speaker (LH)

36E0090

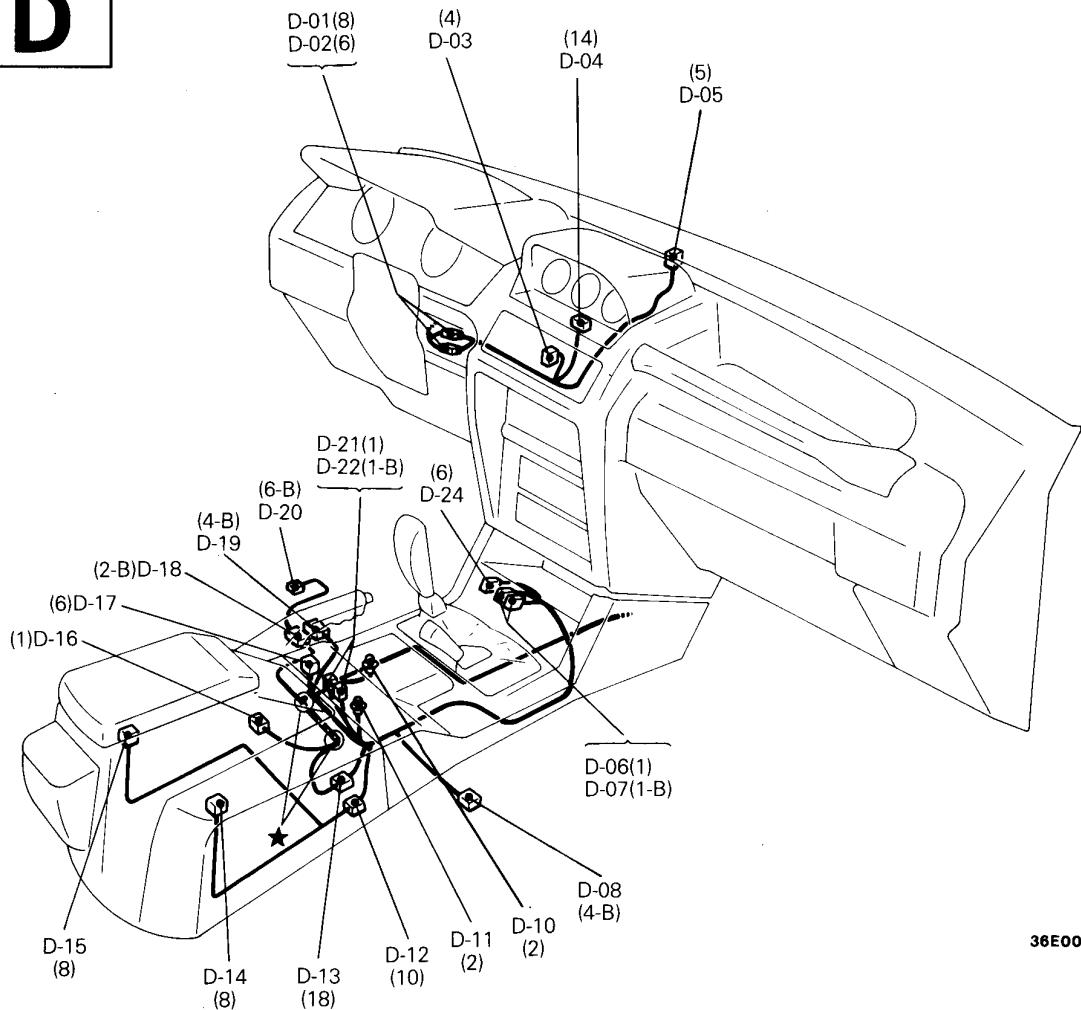


<Rear side view>

C-81	ELC-4/A/T control unit
C-82	
C-83	
C-84	Dash wiring harness and floor wiring harness (LH) combination
C-85	
C-86	Door wiring harness (driver's side) and dash wiring harness combination
C-87	Door lock control unit
C-88	Headlamp washer relay
C-89	Wiper deicer timer
C-90	Wiper deicer relay
C-91	Dedicated fuse No. ⑨
C-92X	
thru	Refer to centralized junction
C-98X	
C-99	Roof wiring harness and dash wiring harness combination
C-100	
C-101	Roof wiring harness and junction block combination
C-102	
C-103	Front wiring harness and junction block combination
C-104	
C-105	Diagnosis connector
C-106	Blower relay
C-107	
thru	Accessory socket relay
C-112	
C-113	Dash wiring harness and junction block combination
C-114	
C-115	Diagnosis connector
C-116	Jumper connector
C-116	Dash wiring harness and junction block combination

INSTRUMENT PANEL AND FLOOR CONSOLE
L.H. drive vehicles <M/T>

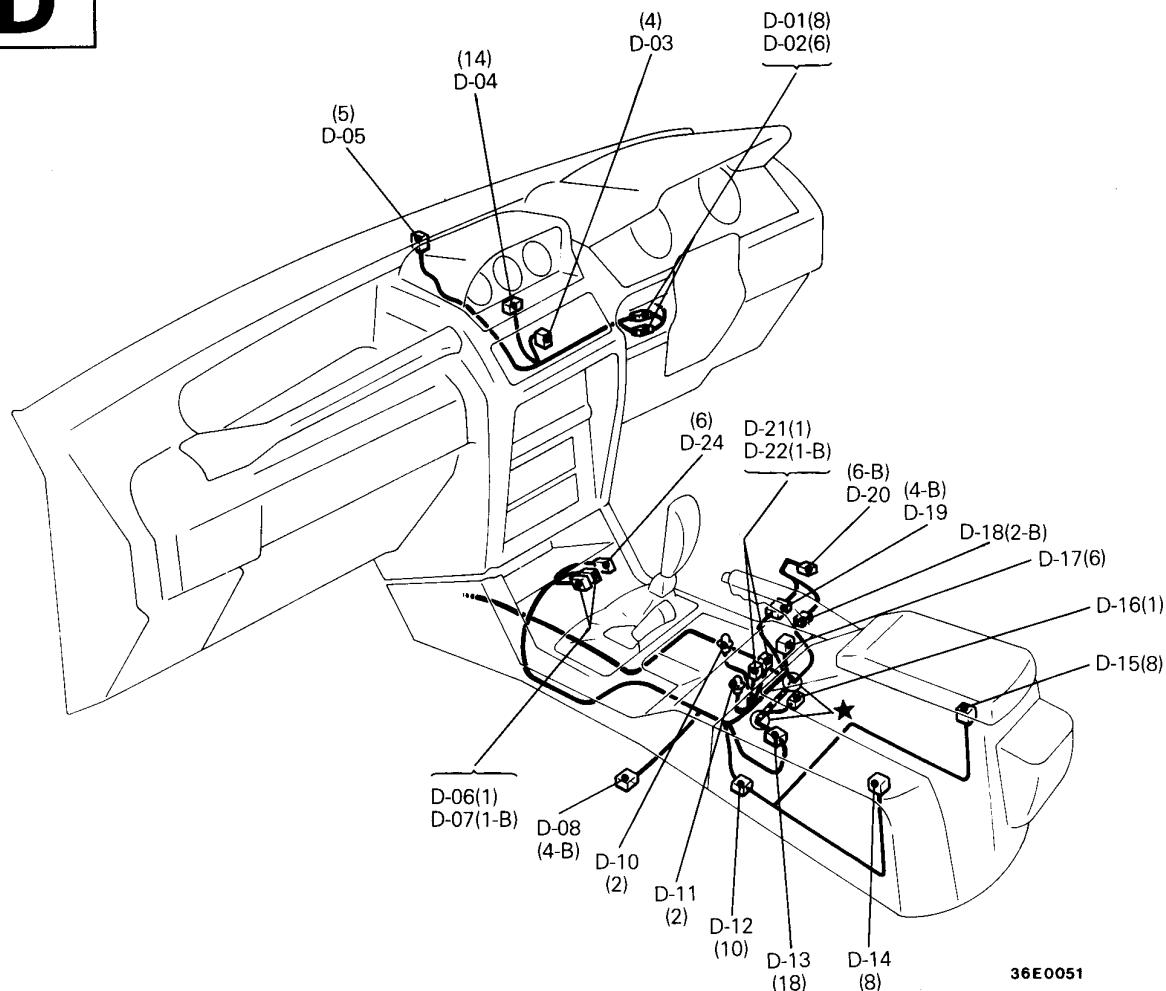
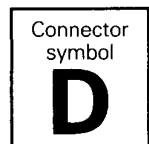
Connector symbol
D



36E0093

D-01	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-02	—	D-15	Heated seat switch (Driver's side)
D-03	Clock	D-16	Parking brake switch
D-04	Multi-meter	D-17	Rear blower main switch
D-05	Geomagnetic sensor	D-18	Power seat wiring harness and dash wiring harness combination
D-06	Accessory socket	D-19	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness combination
D-07	—	D-20	Front seat assembly <Power seat>
D-08	Front seat assembly (Passenger's side) <Heated seat>	D-21	Cigarette lighter
D-09	—	D-22	—
D-10	Ashtray illumination lamp	D-23	—
D-11	Cigarette lighter illumination lamp	D-24	Rear differential lock switch
D-12	Rear console wiring harness and console wiring harness combination		
D-13	Console wiring harness and dash wiring harness combination		

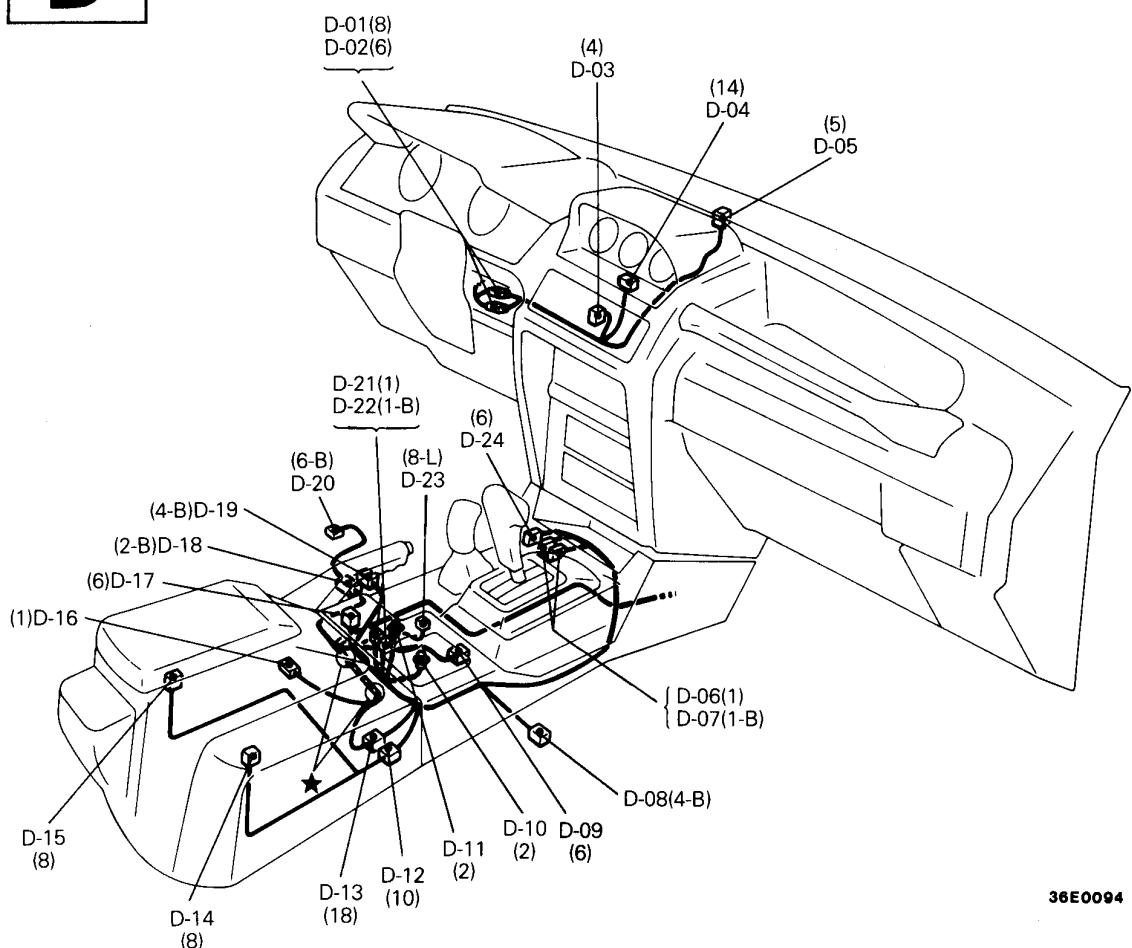
R.H. drive vehicles <M/T>



D-01 }	Instrument panel wiring harness and dash wiring	D-14	Heated seat switch (Passenger's side)
D-02 } harness combination		D-15	Heated seat switch (Driver's side)
D-03	Clock	D-16	Parking brake switch
D-04	Multi-meter	D-17	Rear blower main switch
D-05	Geomagnetic sensor	D-18	Power seat wiring harness and dash wiring harness combination
D-06 }	Accessory socket	D-19	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness combination
D-07 }		D-20	Front seat assembly <Power seat>
D-08	Front seat assembly (Passenger's side) <Heated seat>	D-21 } D-22 }	Cigarette lighter
D-09	—	D-23	—
D-10	Ashtray illumination lamp	D-24	Rear differential lock switch
D-11	Cigarette lighter illumination lamp		
D-12	Rear console wiring harness and console wiring harness combination		
D-13	Console wiring harness and dash wiring harness combination		

L.H. drive vehicles <A/T>

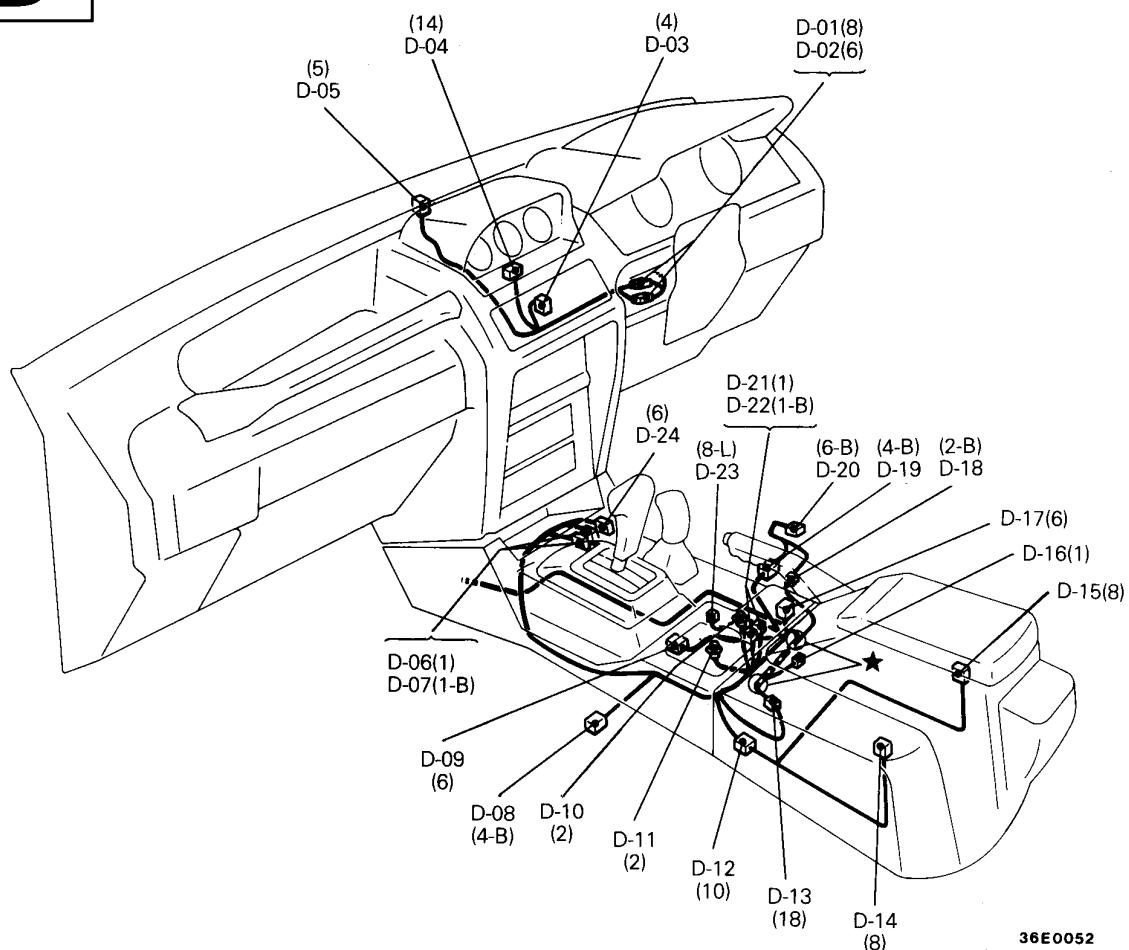
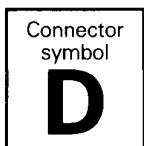
Connector symbol
D



36E0094

D-01	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-02	Accessory socket	D-15	Heated seat switch (Driver's side)
D-03	Clock	D-16	Parking brake switch
D-04	Multi-meter	D-17	Rear blower main switch
D-05	Geomagnetic sensor	D-18	Power seat wiring harness and dash wiring harness combination
D-06	Front seat assembly (Passenger's side) <Heated seat>	D-19	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness combination
D-07	Overdrive switch	D-20	Front seat assembly <Power seat>
D-08	Ashtray illumination lamp	D-21	Cigarette lighter
D-09	Cigarette lighter illumination lamp	D-22	Power/Hold changeover switch <ELC-4A/T>
D-10	Rear console wiring harness and console wiring harness combination	D-23	Rear differential lock switch
D-11	Console wiring harness and dash wiring harness combination	D-24	

R.H. drive vehicles <A/T>

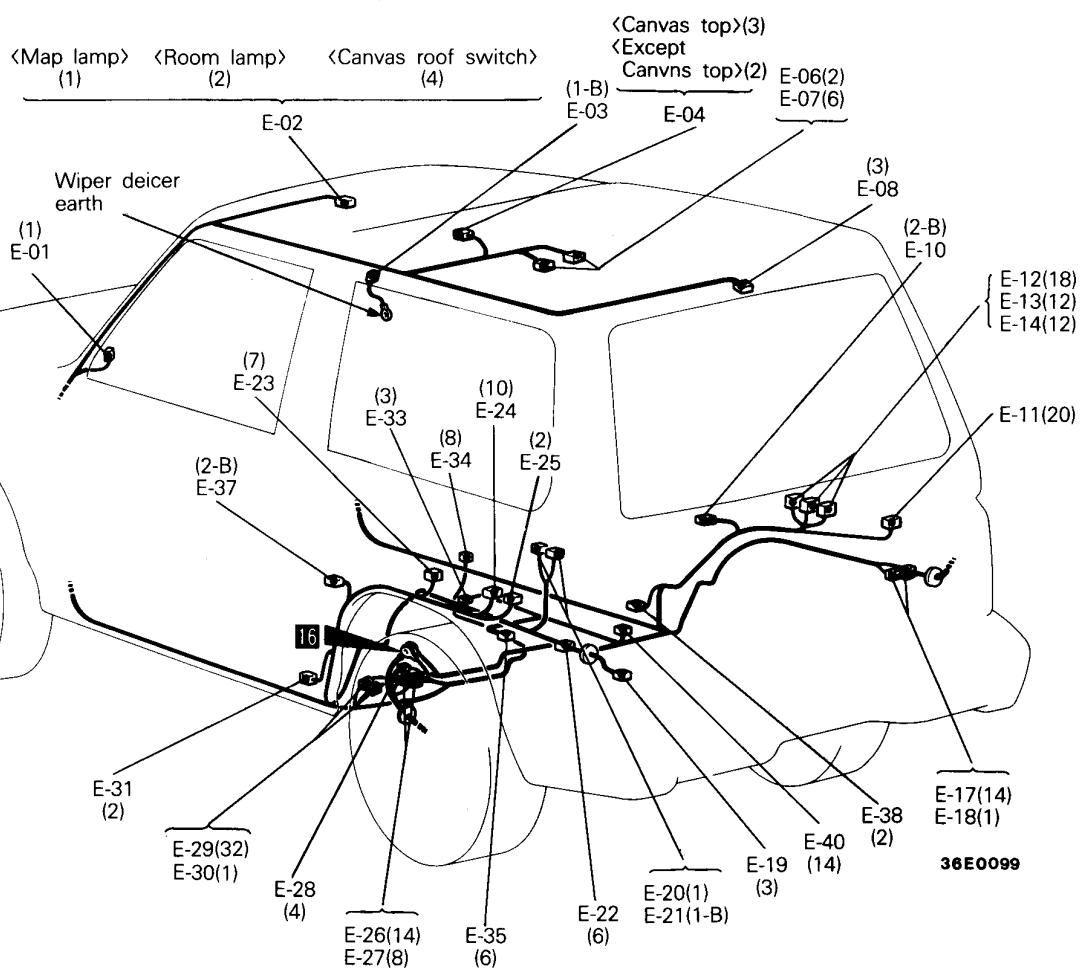
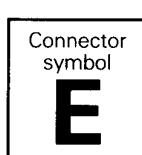


D-01	Instrument panel wiring harness and dash wiring harness combination	D-14	Heated seat switch (Passenger's side)
D-02	Accessory socket	D-15	Heated seat switch (Driver's side)
D-03	Clock	D-16	Parking brake switch
D-04	Multi-meter	D-17	Rear blower main switch
D-05	Geomagnetic sensor	D-18	Power seat wiring harness and dash wiring harness combination
D-06	Front seat assembly (Passenger's side) <Heated seat>	D-19	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness combination
D-07	Overdrive switch	D-20	Front seat assembly <Power seat>
D-08	Ashtray illumination lamp	D-21	Cigarette lighter
D-09	Cigarette lighter illumination lamp	D-22	
D-10	Rear console wiring harness and console wiring harness combination	D-23	Power/Hold changeover switch <ELC-4A/T>
D-11	Console wiring harness and dash wiring harness combination	D-24	Rear differential lock switch

2A-50 WIRING HARNESS CONFIGURATION DIAGRAMS — Floor and Roof

FLOOR AND ROOF

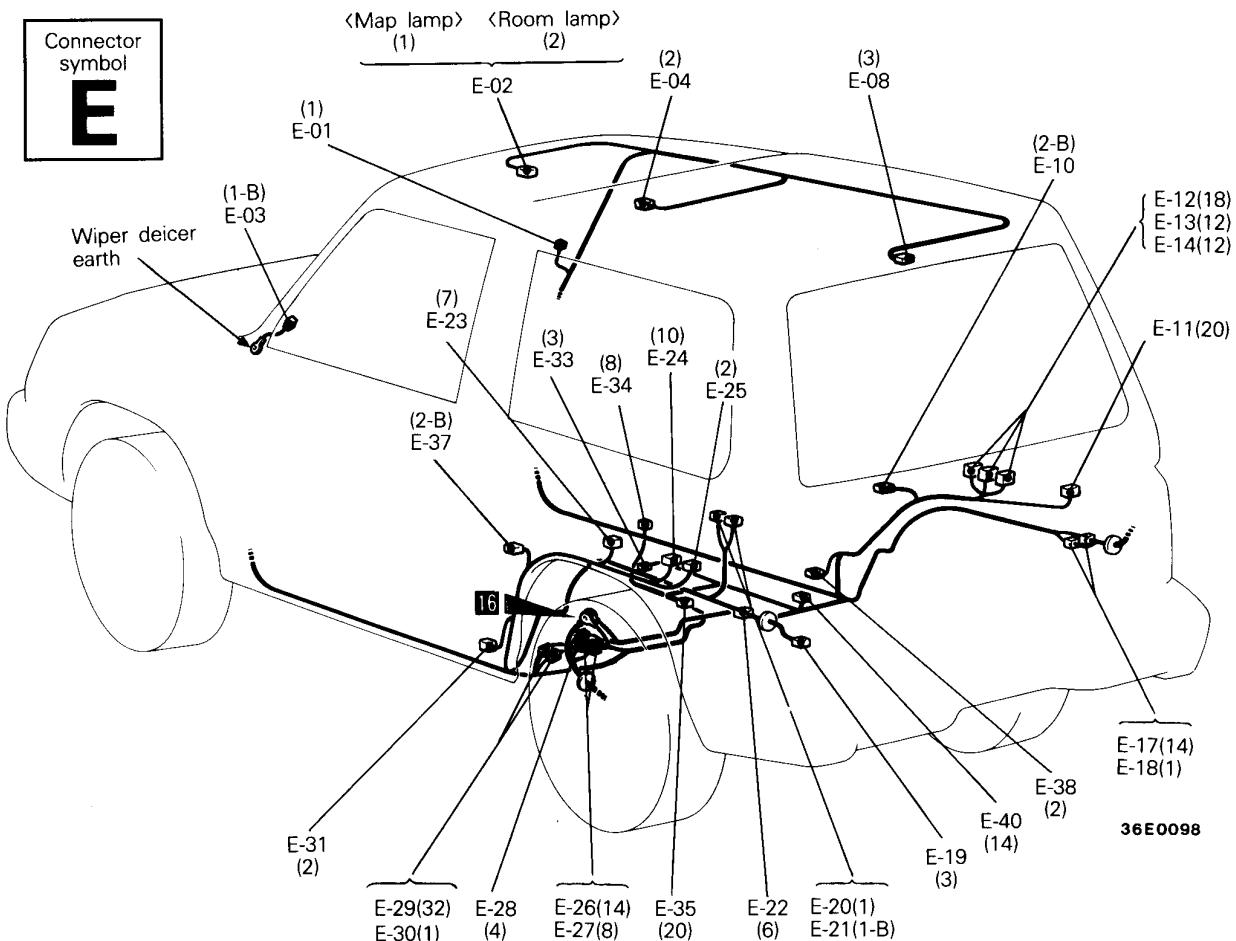
2-door models <L.H. drive vehicles>



- E-01 Wiper deicer (+)
- E-02 Map lamp or room lamp or canvas roof switch
- E-03 Wiper deicer (-)
- E-04 Room lamp
- E-05 —
- E-06 } Folding top assembly <Canvas top>
- E-07 } E-08 Cargo space lamp
- E-09 —
- E-10 Rear speaker (RH)
- E-11 No connection
- E-12 } E-13 } ABS control unit
- E-14 } E-15 —
- E-16 —
- E-17 } E-18 } Back door wiring harness and floor wiring harness (RH) combination
- E-19 Rear combination lamp (LH)
- E-20 } E-21 } Accessory socket

- E-22 Rear combination lamp harness and floor wiring harness (LH) combination
- E-23 Variable shock absorber control unit
- E-24 Rear differential lock control unit
- E-25 Rear differential lock air pump
- E-26 } Frame wiring harness and floor wiring harness (LH) combination
- E-27 } E-28 Frame wiring harness and floor wiring harness (RH) combination
- E-29 } E-30 } Floor wiring harness (LH) and floor wiring harness (RH) combination
- E-31 Front door switch (LH)
- E-32 —
- E-33 G sensor
- E-34 Variable shock absorber control switch
- E-35 Rear heater control switch or rear A/C control switch <Dual A/C>
- E-36 —
- E-37 Rear speaker (LH)
- E-38 Front door switch (RH)
- E-39 —
- E-40 Rear heater assembly

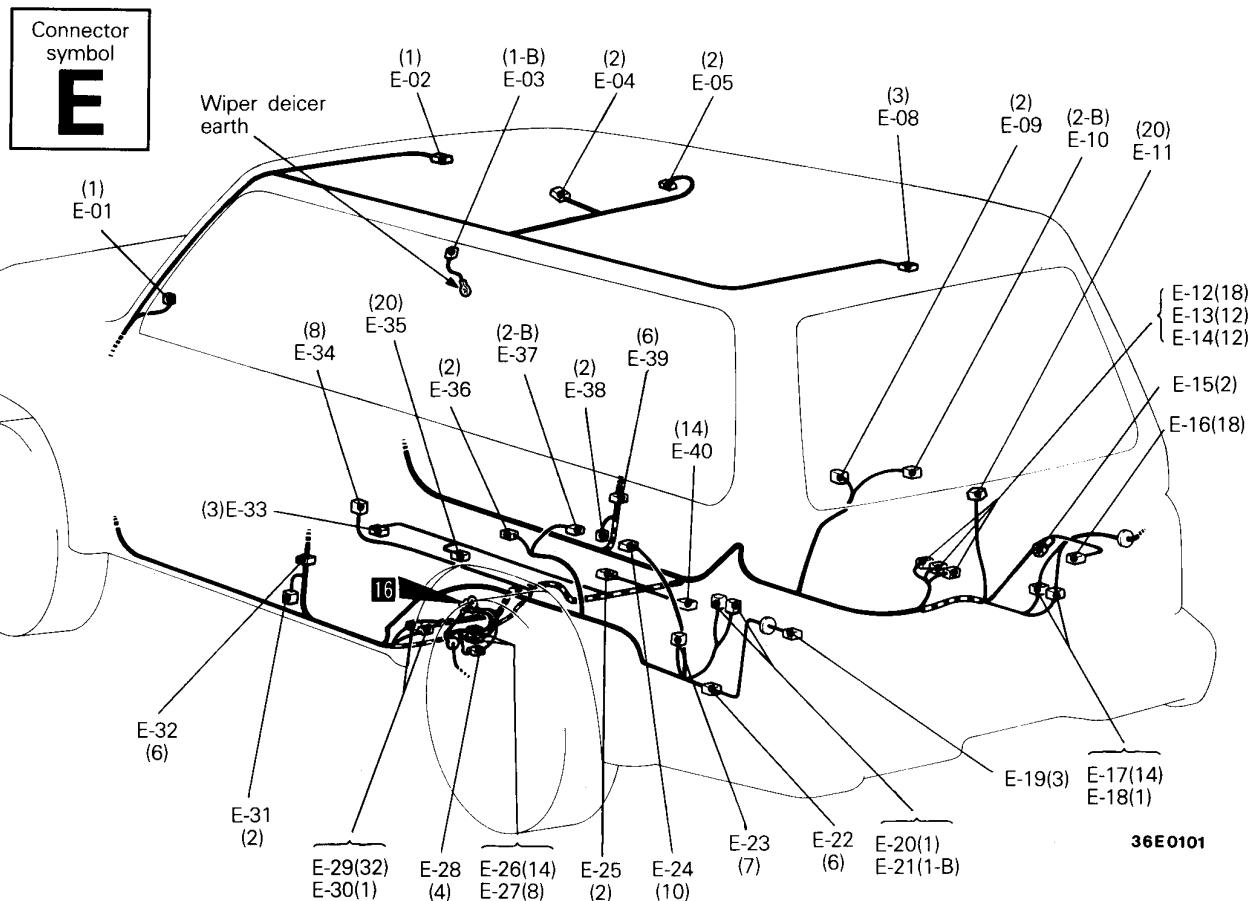
2-door models <R.H. drive vehicles>



E-01	Wiper deicer (+)	E-22	Rear combination lamp harness and floor wiring harness (LH) combination
E-02	Map lamp or room	E-23	Variable shock absorber control unit
E-03	Wiper deicer (-)	E-24	Rear differential lock control unit
E-04	Room lamp	E-25	Rear differential lock air pump
E-05	—	E-26	Frame wiring harness and floor wiring harness (LH)
E-06	—	E-27	combination
E-07	—	E-28	Frame wiring harness and floor wiring harness (RH)
E-08	Cargo space lamp	E-29	combination
E-09	—	E-30	Floor wiring harness (LH) and floor wiring harness (RH)
E-10	Rear speaker (RH)	E-31	combination
E-11	No connection	E-32	Front door switch (LH)
E-12	—	E-33	—
E-13	ABS control unit	E-34	G sensor
E-14	—	E-35	Variable shock absorber control switch
E-15	—	E-36	Rear heater control switch or rear A/C control switch
E-16	—	E-37	<Dual A/C>
E-17	Back door wiring harness and floor wiring harness (RH)	E-38	—
E-18	combination	E-39	Rear speaker (LH)
E-19	Rear combination lamp (LH)	E-40	Front door switch (RH)
E-20	Accessory socket		—
E-21			Rear heater assembly

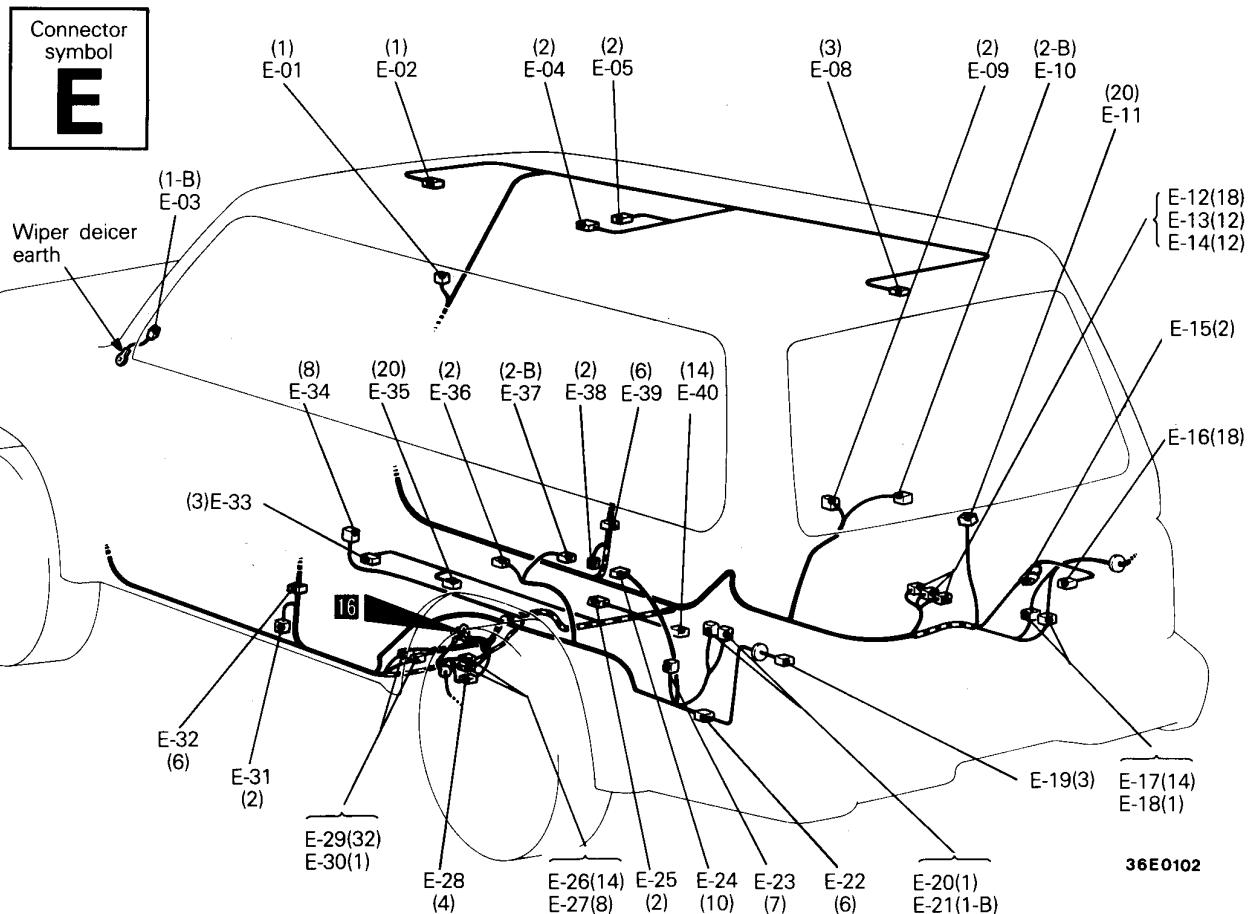
2A-52 WIRING HARNESS CONFIGURATION DIAGRAMS — Floor and Roof

4-door models <L.H. drive vehicles>

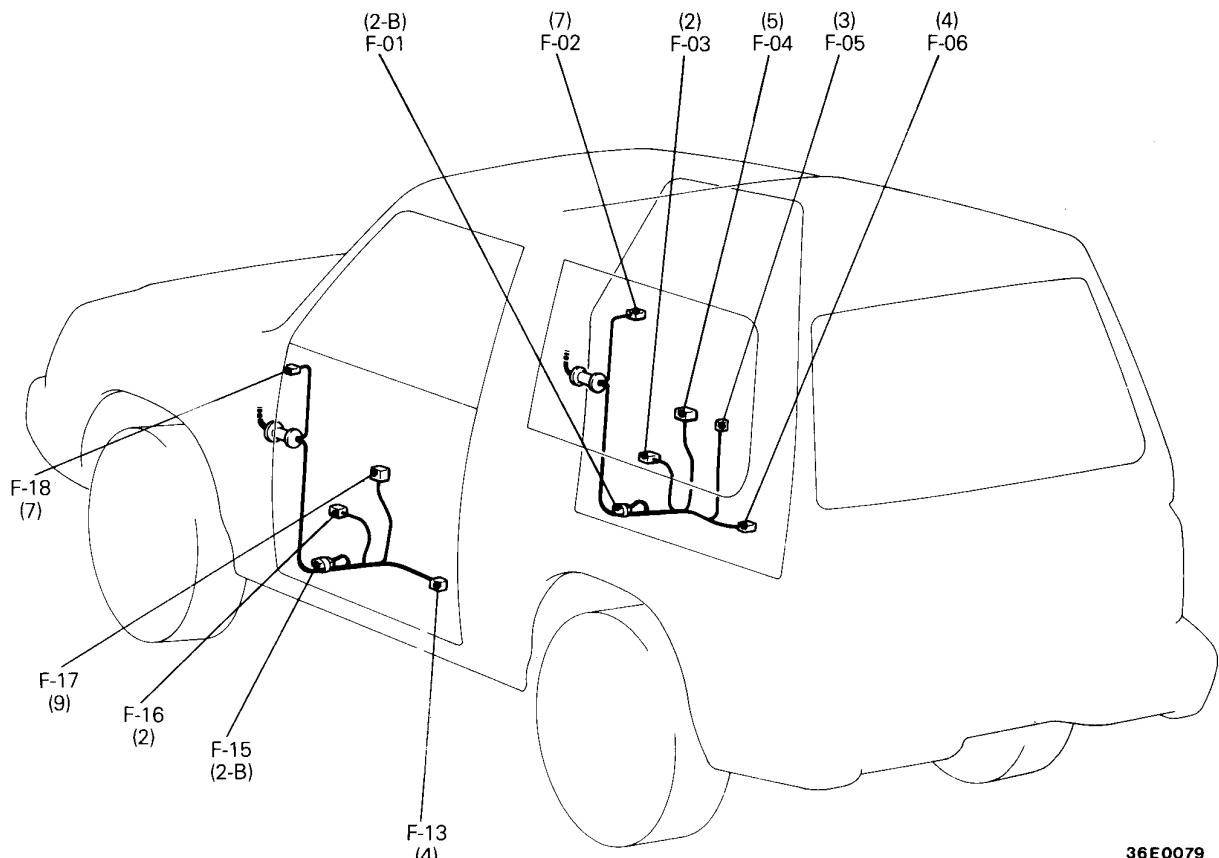
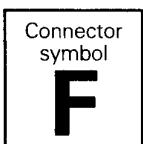


- | | | | |
|------|--|------|---|
| E-01 | Wiper deicer (+) | E-23 | Variable shock absorber control unit |
| E-02 | Map lamp or room lamp | E-24 | Rear differential lock control unit |
| E-03 | Wiper deicer (-) | E-25 | Rear differential lock air pump |
| E-04 | Room lamp | E-26 | Frame wiring harness and floor wiring harness (LH) |
| E-05 | Sunroof assembly | E-27 | combination |
| E-06 | — | E-28 | Frame wiring harness and floor wiring harness (RH) |
| E-07 | — | E-29 | Floor wiring harness (LH) and floor wiring harness (RH) |
| E-08 | Cargo space lamp | E-30 | combination |
| E-09 | Rear door switch (RH) | E-31 | Front door switch (LH) |
| E-10 | Rear speaker (RH) | E-32 | Rear door wiring harness (LH) and floor wiring harness |
| E-11 | No connection | E-33 | (LH) combination |
| E-12 | ABS control unit | E-34 | G sensor |
| E-13 | — | E-35 | Variable shock absorber control switch |
| E-14 | — | E-36 | Rear heater control switch or rear A/C control switch |
| E-15 | No connection | E-37 | <Dual A/C> |
| E-16 | Rear A/C control unit | E-38 | Rear door switch (LH) |
| E-17 | Back door wiring harness and floor wiring harness (RH) | E-39 | Rear speaker (LH) |
| E-18 | combination | E-40 | Front door switch (RH) |
| E-19 | Rear combination lamp (LH) | | Rear door wiring harness (RH) and floor wiring harness |
| E-20 | Accessory socket | | (RH) combination |
| E-21 | — | | Rear heater assembly |
| E-22 | Rear combination lamp harness and floor wiring har- | | |
| | ness (LH) combination | | |

4-door models <R.H. drive vehicles>



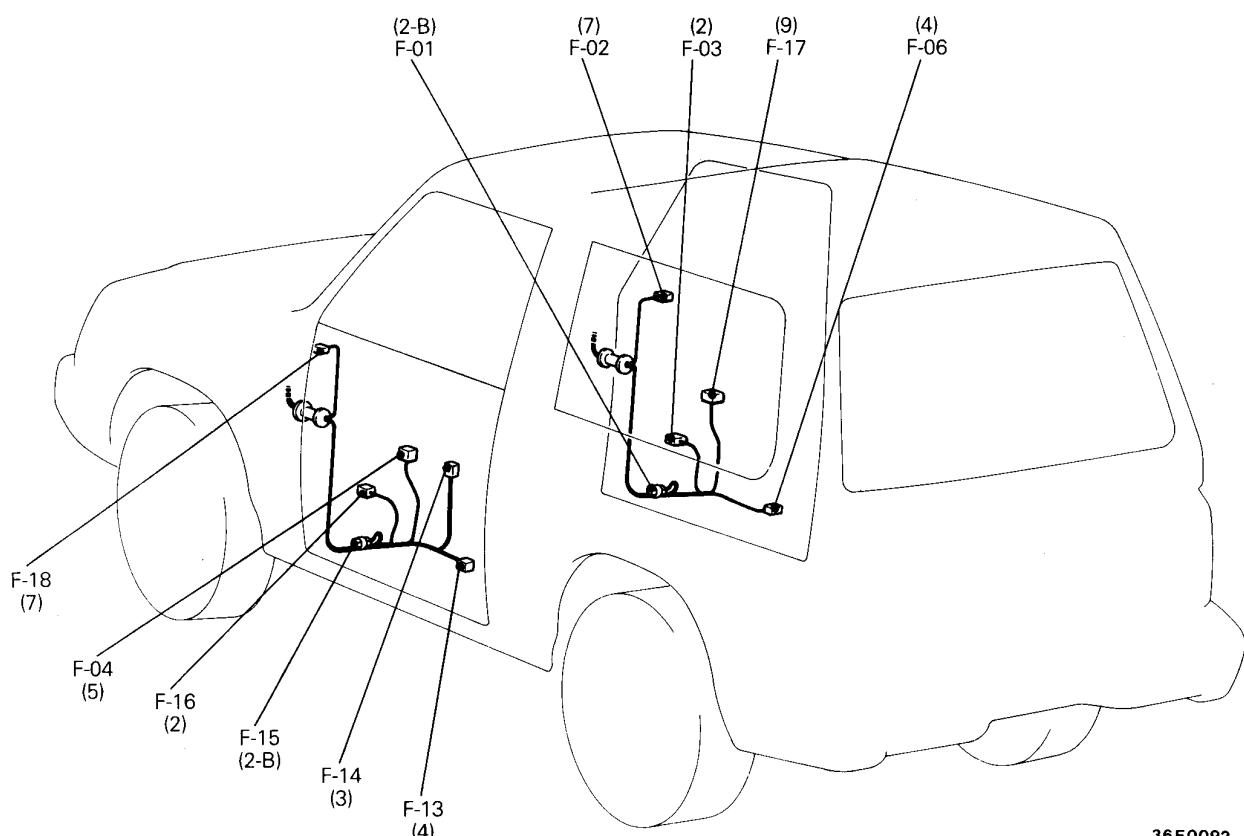
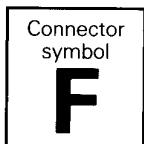
E-01	Wiper deicer (+)	E-23	Variable shock absorber control unit
E-02	Map lamp or room lamp	E-24	Rear differential lock control unit
E-03	Wiper deicer (-)	E-25	Rear differential lock air pump
E-04	Room lamp	E-26	Frame wiring harness and floor wiring harness (LH)
E-05	Sunroof assembly	E-27	combination
E-06	—	E-28	Frame wiring harness and floor wiring harness (RH)
E-07	—	E-29	combination
E-08	Cargo space lamp	E-30	Floor wiring harness (LH) and floor wiring harness (RH)
E-09	Rear door switch (RH)	E-31	combination
E-10	Rear speaker (RH)	E-32	Front door switch (LH)
E-11	No connection	E-33	Rear door wiring harness (LH) and floor wiring harness (LH) combination
E-12	ABS control unit	E-34	G sensor
E-13	—	E-35	Variable shock absorber control switch
E-14	—	E-36	Rear heater control switch or rear A/C control switch
E-15	No connection	E-37	<Dual A/C>
E-16	Rear A/C control unit	E-38	Rear door switch (LH)
E-17	Back door wiring harness and floor wiring harness (RH)	E-39	Rear speaker (LH)
E-18	combination	E-40	Front door switch (RH)
E-19	Rear combination lamp (LH)		Rear door wiring harness (RH) and floor wiring harness (RH) combination
E-20	Accessory socket		Rear heater assembly
E-21	—		
E-22	Rear combination lamp harness and floor wiring harness (LH) combination		

DOOR**2-door models <L.H. drive vehicles>**

36E0079

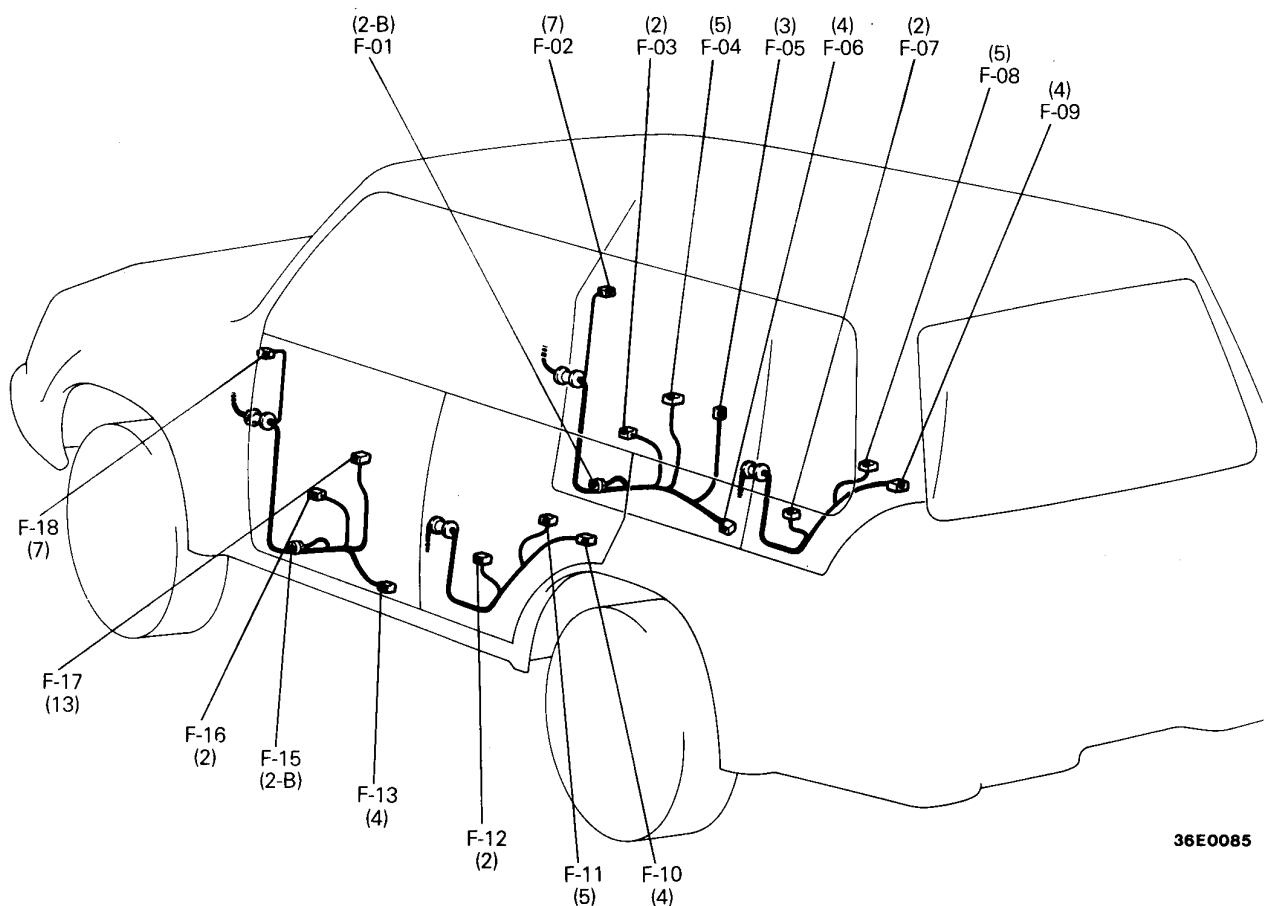
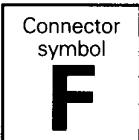
F-01	No connection	F-07 thru F-12	-
F-02	Remote controlled mirror (RH)	F-13	Door lock actuator (Front: LH)
F-03	Power window motor (Front: RH)	F-14	-
F-04	Power window sub switch (Passenger's side)	F-15	No connection
F-05	Door key cylinder switch <Vehicles with central door locking>	F-16	Power window motor (Front: LH)
F-06	Door lock actuator (Front: RH)	F-17	Power window main switch (Driver's side)
		F-18	Remote controlled mirror (LH)

2-door models <R.H. drive vehicles>



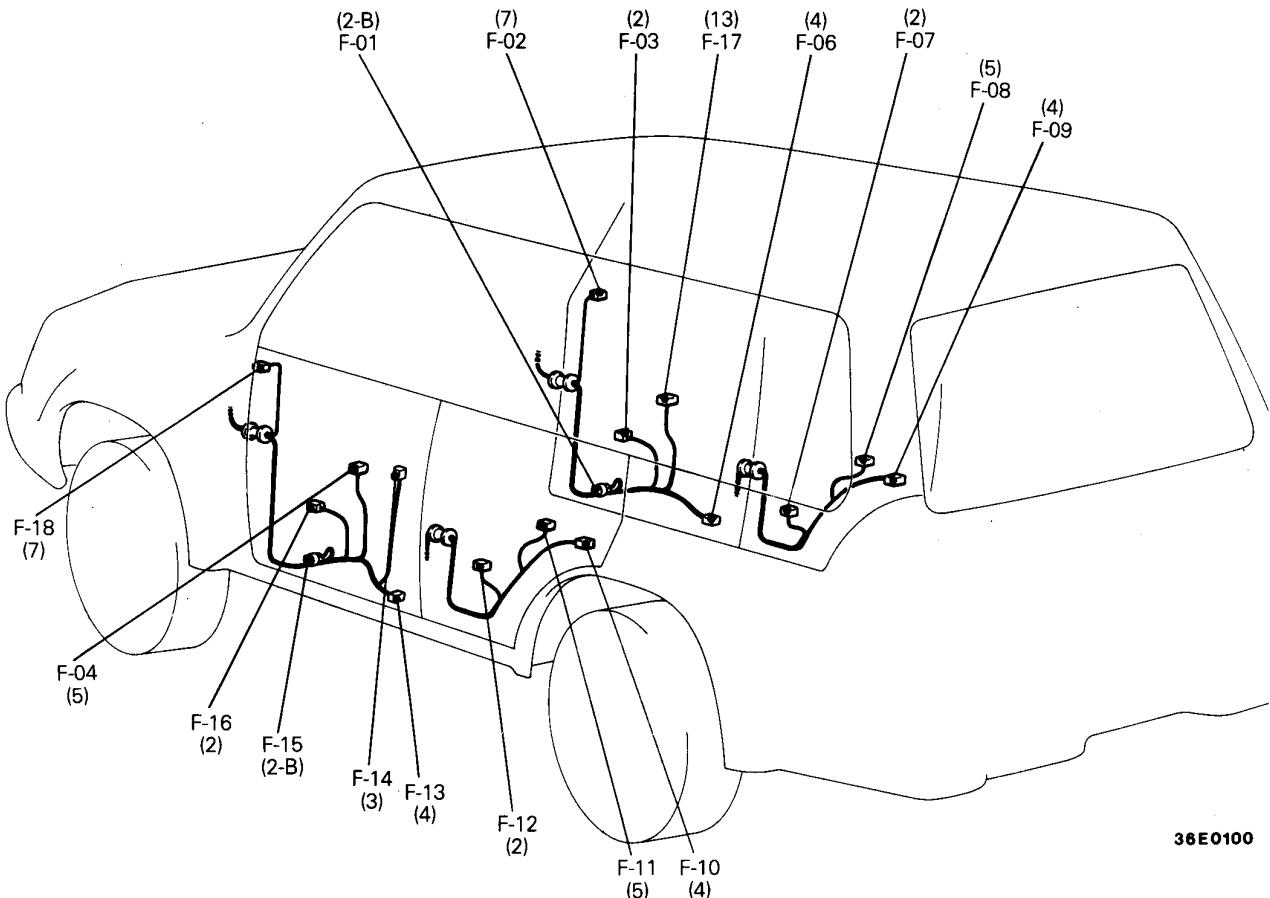
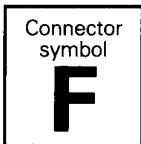
F-01	No connection	F-13	Door lock actuator (Front: LH)
F-02	Remote controlled mirror (RH)	F-14	Door key cylinder switch <Vehicles with central door locking>
F-03	Power window motor (Front: RH)	F-15	No connection
F-04	Power window sub switch (Passenger's side)	F-16	Power window motor (Front: LH)
F-05	—	F-17	Power window main switch (Driver's side)
F-06	Door lock actuator (Front: RH)	F-18	Remote controlled mirror (LH)
F-07	—		
F-12}	—		

4-door models <L.H. drive vehicles>



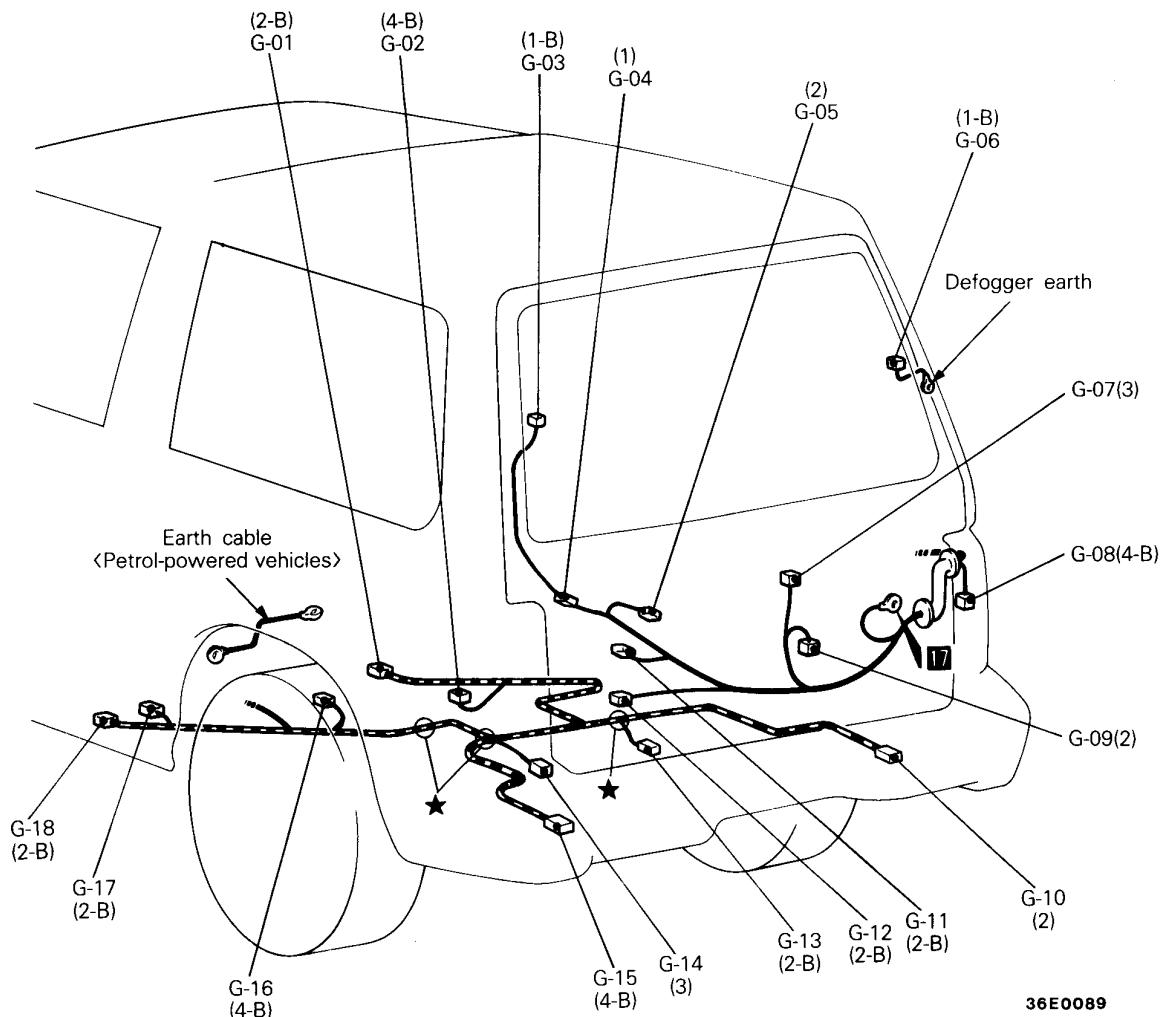
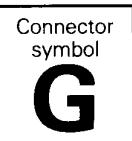
- | | | | |
|------|--|------|--|
| F-01 | No connection | F-10 | Door lock actuator (Rear: LH) |
| F-02 | Remote controlled mirror (RH) | F-11 | Power window sub switch (Rear: LH) |
| F-03 | Power window motor (Front: RH) | F-12 | Power window motor (Rear: LH) |
| F-04 | Power window sub switch (Passenger's side) | F-13 | Door lock actuator (Front: LH) |
| F-05 | Door key cylinder switch
<Vehicles with central door locking> | F-14 | Door key cylinder switch
<Vehicles with central door locking> |
| F-06 | Door lock actuator (Front: RH) | F-15 | No connection |
| F-07 | Power window motor (Rear: RH) | F-16 | Power window motor (Front: LH) |
| F-08 | Power window sub switch (Rear: RH) | F-17 | Power window main switch (Driver's side) |
| F-09 | Door lock actuator (Rear: RH) | F-18 | Remote controlled mirror (LH) |

4-door models <R.H. drive vehicles>



F-01	No connection	F-10	Door lock actuator (Rear: LH)
F-02	Remote controlled mirror (RH)	F-11	Power window sub switch (Rear: LH)
F-03	Power window motor (Front: RH)	F-12	Power window motor (Rear: LH)
F-04	Power window sub switch (Passenger's side)	F-13	Door lock actuator (Front: LH)
F-05	—	F-14	Door key cylinder switch Vehicles with central door locking>
F-06	Door lock actuator (Front: RH)	F-15	No connection
F-07	Power window motor (Rear: RH)	F-16	Power window motor (Front: LH)
F-08	Power window sub switch (Rear: RH)	F-17	Power window main switch (Driver's side)
F-09	Door lock actuator (Rear: RH)	F-18	Remote controlled mirror (LH)

BACK DOOR AND REAR UNDER FLOOR



36E0089

G-01	Speed sensor (Rear: RH) <ABS>	G-10	Rear combination lamp (In bumper: RH)
G-02	Shock absorber (Rear: RH) <Remote controlled variable shock absorber>	G-11	Licence plate lamp
G-03	Defogger (+)	G-12	Door lock actuator (Back door)
G-04	Defogger cable and back door wiring harness combination	G-13	Fuel pump <MPI>
G-05	Back door switch	G-14	Fuel gauge unit
G-06	Defogger (-)	G-15	Rear combination lamp (In bumper: LH)
G-07	Rear wiper motor	G-16	Shock absorber (Rear: LH) <Remote controlled variable shock absorber>
G-08	Rear combination lamp (RH)	G-17	Speed sensor (Rear: LH) <ABS>
G-09	Rear washer motor	G-18	Rear differential lock detection switch

3A SINGLE PART INSTALLATION POSITION

RELAY	3A-2
CONTROL UNIT	3A-5
SENSOR	3A-8
SOLENOID VALVE	3A-14
DIODE	3A-17
INSPECTION TERMINAL	3A-18
FUSIBLE LINK AND FUSE	3A-19
EARTH CABLE	3A-20
EARTH	3A-21

RELAY

Name	Symbol	Name	Symbol
ABS motor relay	A	Headlamp relay	C
ABS valve relay	A	Headlamp washer relay	LHD L RHD M
A/C compressor capacity control relay	B		
A/C compressor relay	C	Horn relay<Vehicles with SRS>	D
Accessory socket relay	J	Intercooler fan motor relay	C
Alternator relay	C	Intermittent wiper relay (rear wiper)	K
Blower relay	J	Intermittent wiper relay (windshield wiper)	E
Condenser fan motor control relay <Diesel-powered vehicles>	B	Overdrive control relay	LHD I RHD H
Condenser fan motor relay	C	Power seat relay box	N
Daytime running lamp relay 1	D	Power window relay	K
Daytime running lamp relay 2	D	Rear fog lamp relay	C
Dim-dip lamp relay 1	M	Rear heater relay	K
Dim-dip lamp relay 2	M	Starter relay	B
Dim-dip lamp relay 3	M	Tail lamp relay	C
Defogger relay	K	Turn and hazard flasher unit	K
Engine control relay	G	Wiper deicer relay	LHD L RHD M
Engine oil level relay	G		
Glow plug relay	B	4WD indicator relay <Part time 4WD>	F

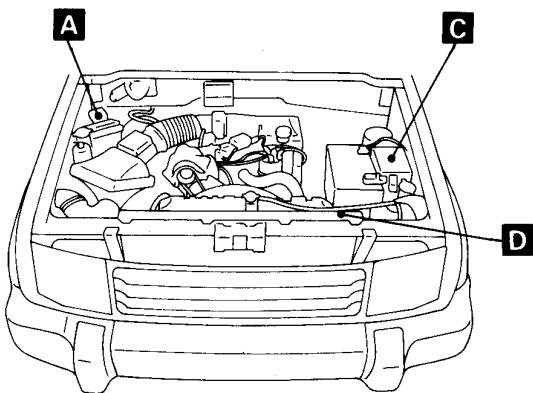
NOTE

Names are listed in alphabetical order.

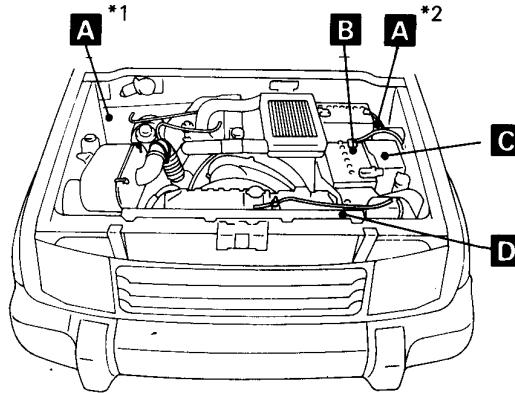
Engine compartment

<Petrol-powered vehicles>

<Diesel-powered vehicles>



16E0128

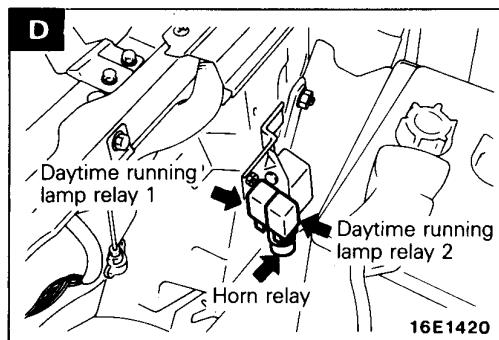
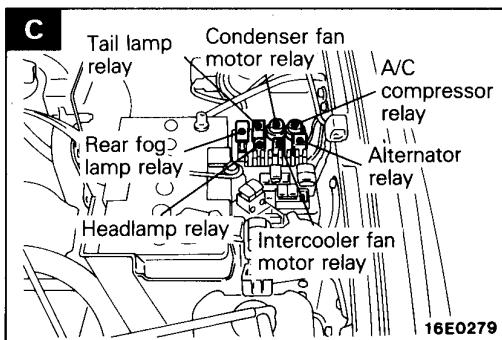
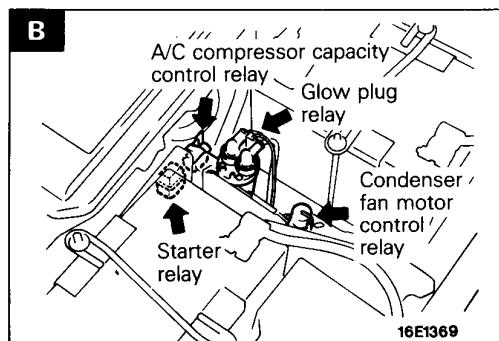
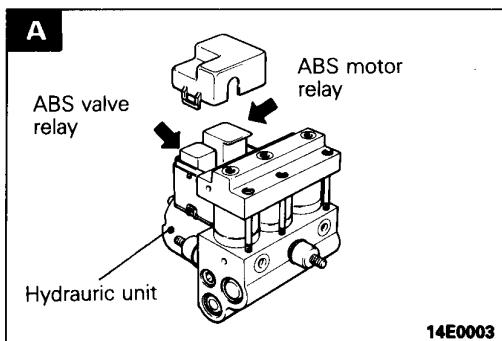


16E0129

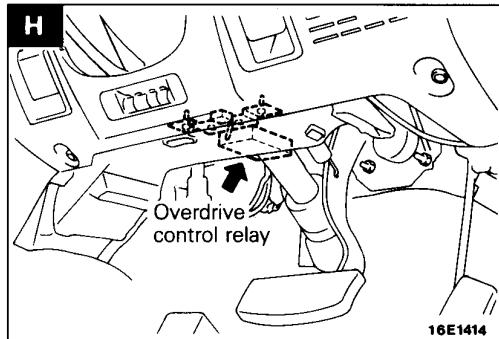
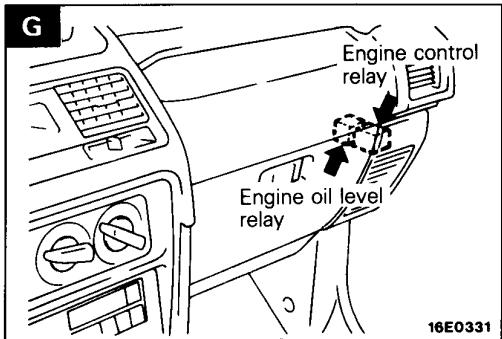
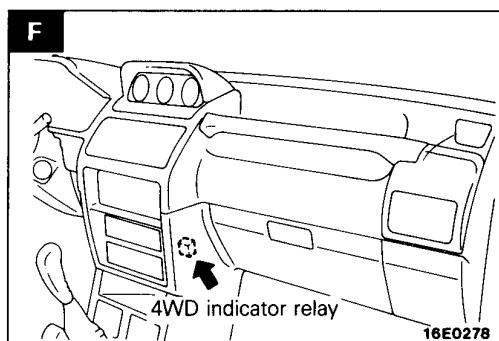
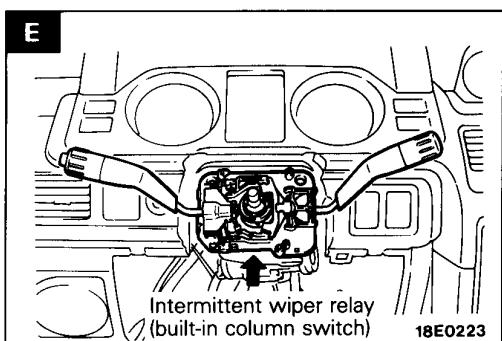
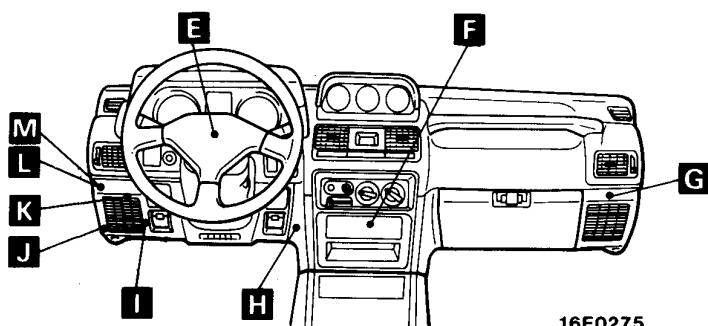
Remarks

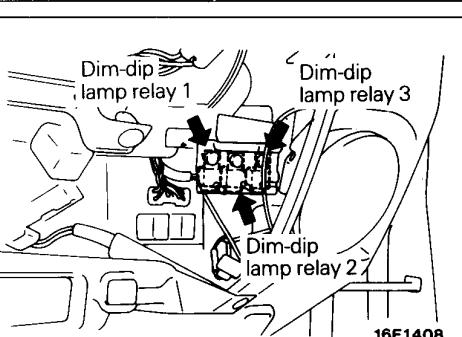
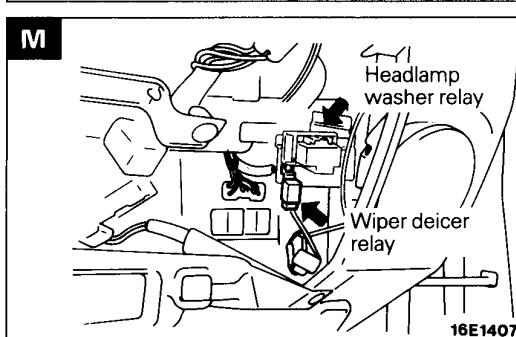
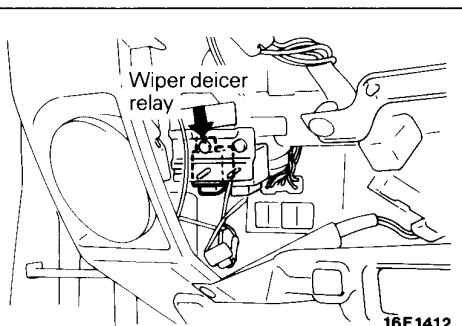
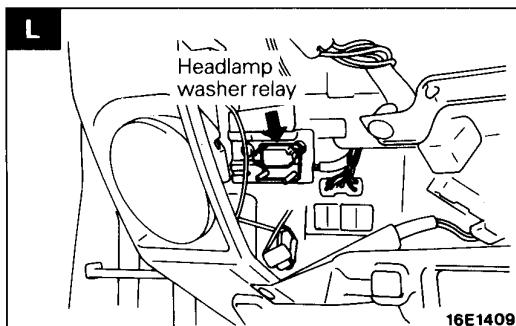
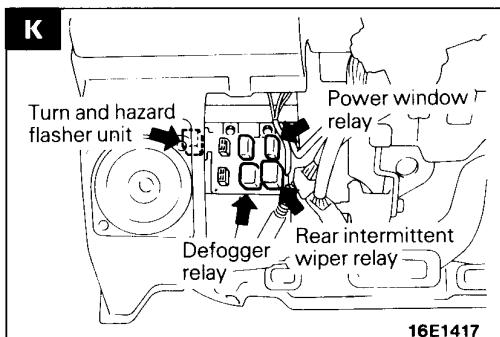
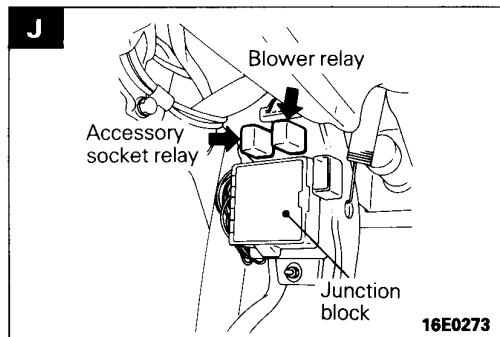
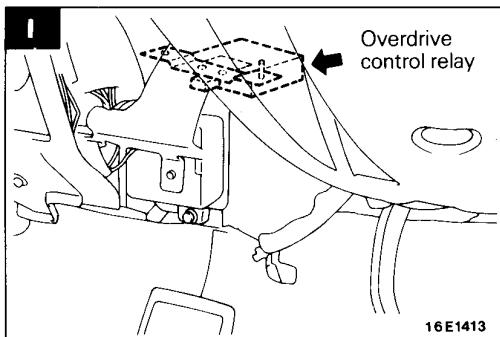
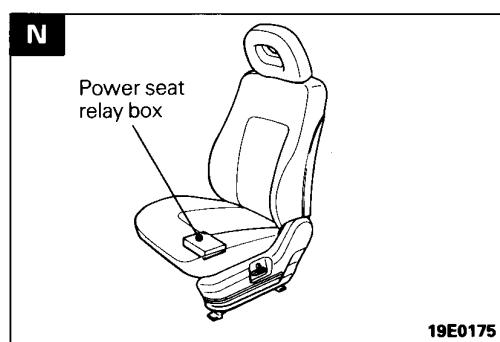
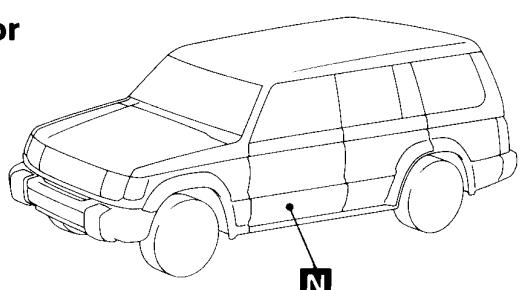
*1: R.H. drive vehicles

*2: L.H. drive vehicles



Interior



**Floor**

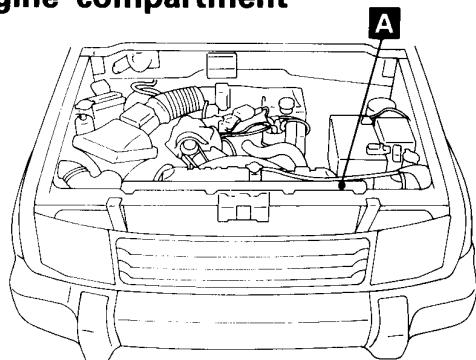
CONTROL UNIT

Name	Symbol	Name	Symbol	
ABS control unit	M	Ignition key cylinder illumination lamp timer	G	
A/C control unit (front)	D	Intercooler fan control unit <Vehicles with fuel line heater>	F	
A/C control unit (rear)	N	Intercooler fan control unit <Vehicles without fuel line heater>	E	
Auto-cruise control unit	LHD RHD	C B	Motor antenna control unit	G
Daytime running lamp control unit	A		Rear differential lock control unit	O
Door lock control unit	LHD RHD	J K	SRS diagnosis unit	G
			Sunroof control unit	L
ELC-4A/T control unit	LHD RHD	I H	Variable shock absorber control unit	O
Engine control unit	F		Wiper deicer timer	LHD J RHD K
Fuel line heater control unit	E		4WD indicator control unit	G
Glow control unit	F			

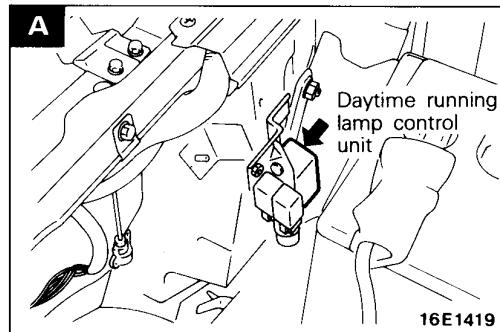
NOTE

Names are listed in alphabetical order.

Engine compartment

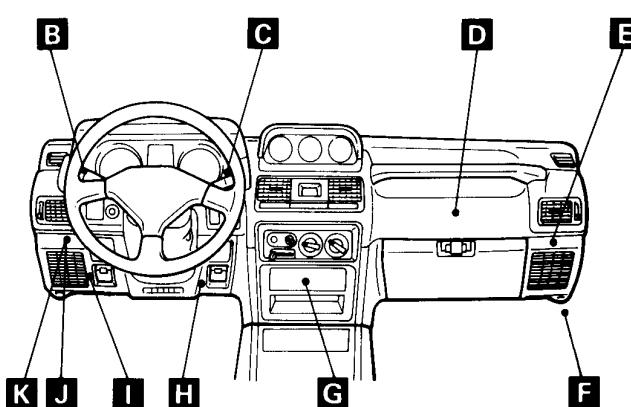


16E0128

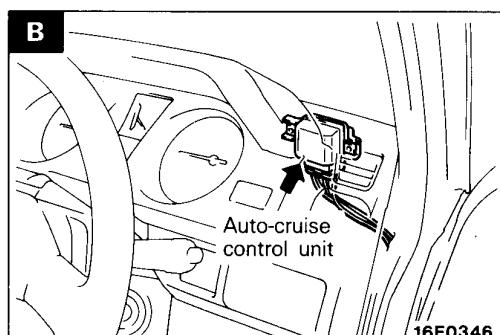


16E1419

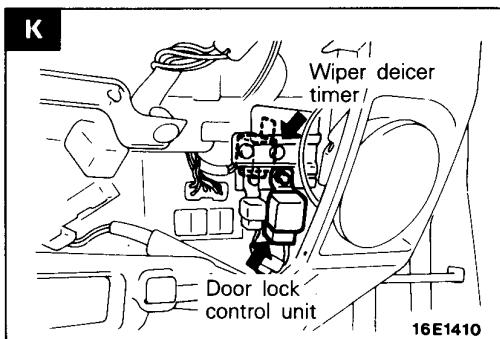
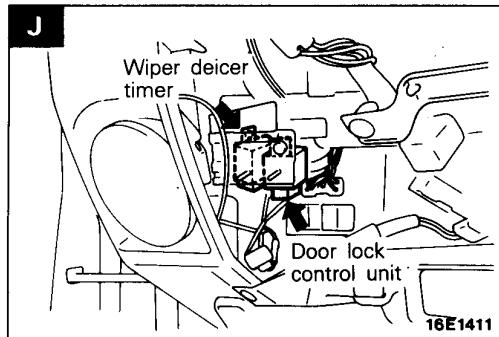
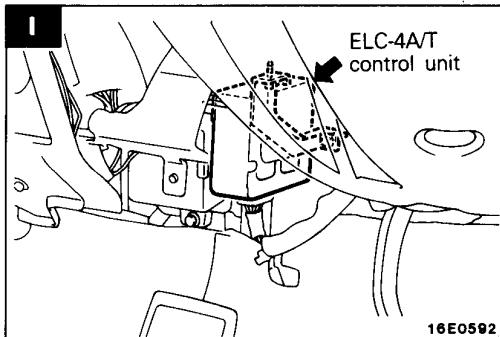
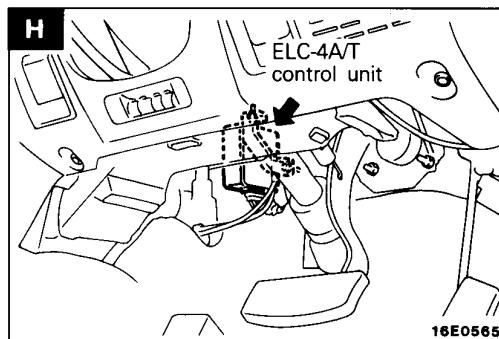
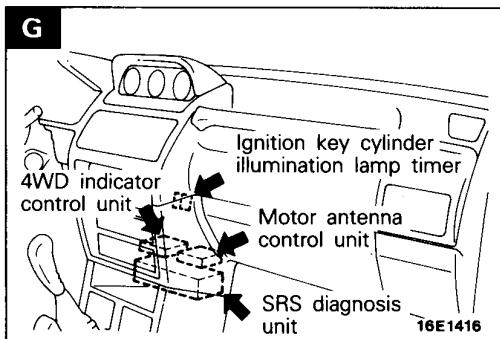
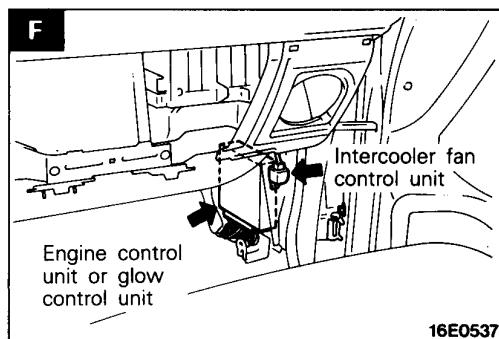
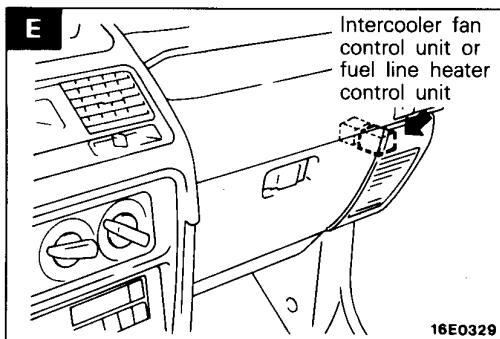
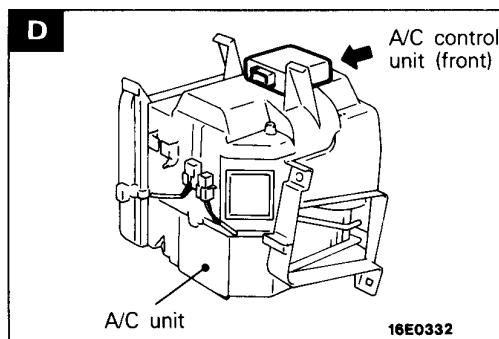
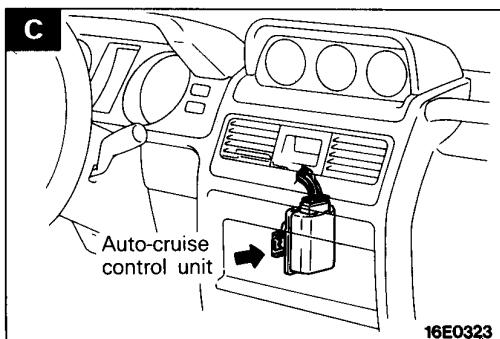
Interior



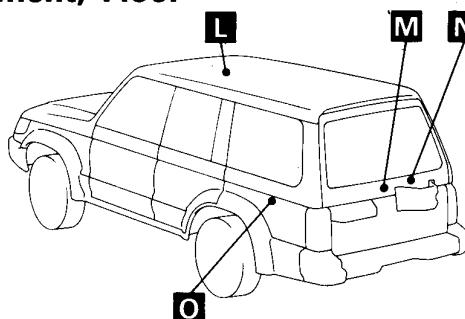
16E0275



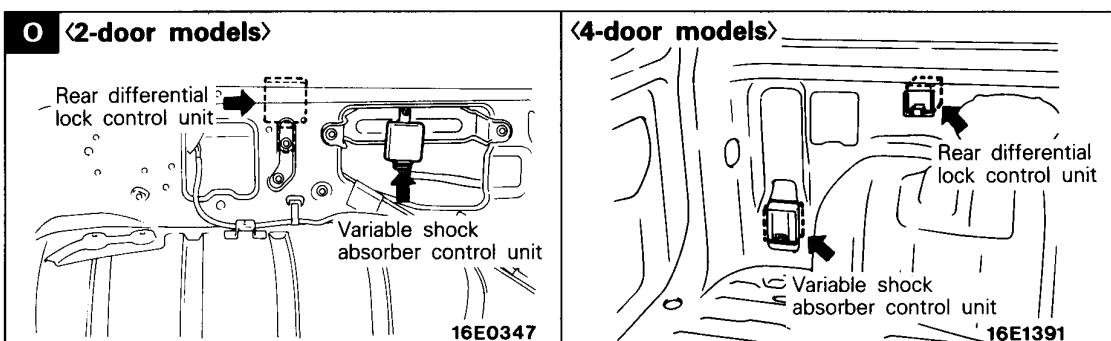
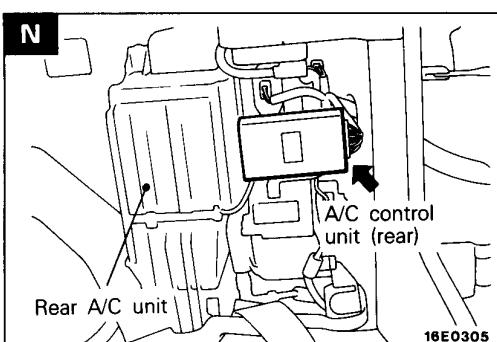
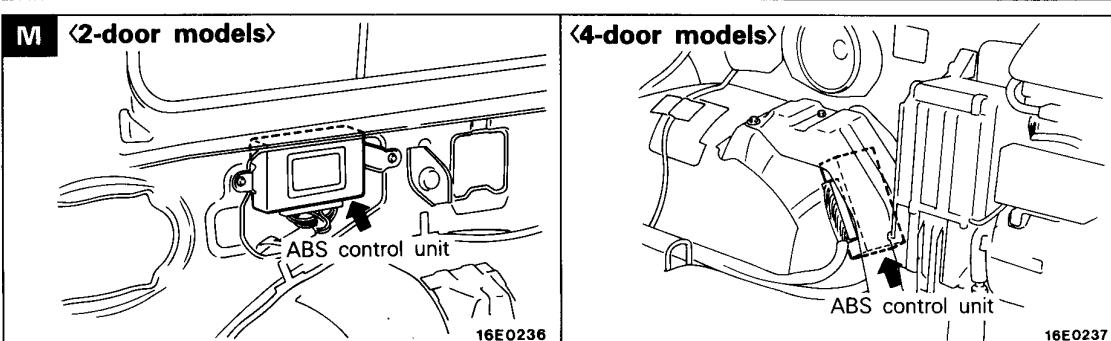
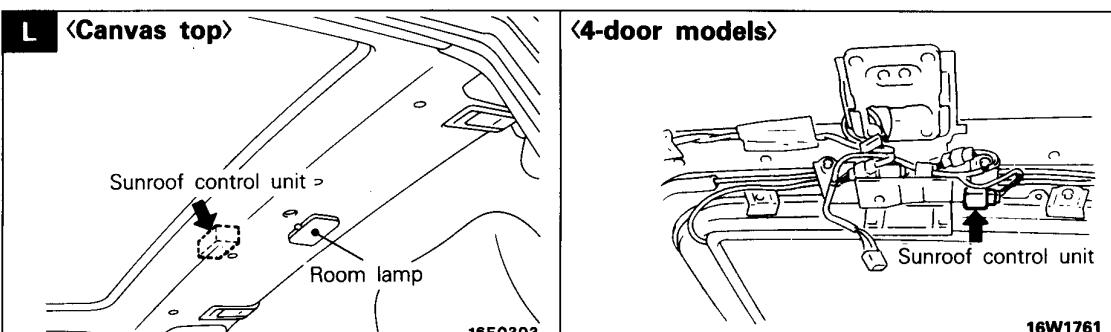
16E0346



Roof, Luggage compartment, Floor



18E0004



SENSOR

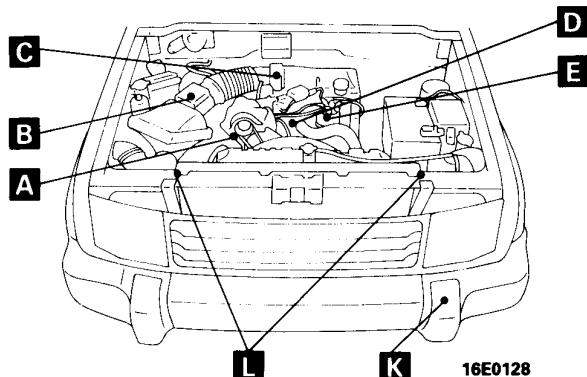
Name	Symbol	Name	Symbol
Air-flow sensor (with built-in atmospheric sensor, intake air temperature sensor)	B	Front impact sensor	L
Air inlet sensor	O	Fuel thermo sensor	I
Air thermo sensor (front)	O	G sensor	Q
Air thermo sensor (rear)	R	Geomagnetic sensor	N
A/T fluid temperature switch	T	Idle speed control actuator <4G64 engine>	C
Cam position sensor <6G74 engine>	G	Lever position sensor	J
Crank angle sensor <6G74 engine>	G	Oxygen sensor	4G64 engine A
Crank angle sensor and top dead center sensor <4G64, 6G72 engine>	E		6G72, 6G74 engine W
Detonation sensor <6G74 engine>	F	Reed switch	M
Engine coolant temperature gauge unit <Diesel-powered vehicles>	H	Rotation sensor	J
Engine coolant temperature sensor (for A/C) <Petrol-powered vehicles>	D	Speed sensor (front)	S
Engine coolant temperature sensor (for engine control)	D	Speed sensor (rear)	U
		Thermo sensor (inside air)	P
		Thermo sensor (outside air)	K
		Throttle position sensor	C
		Vehicle speed sensor	V

NOTE

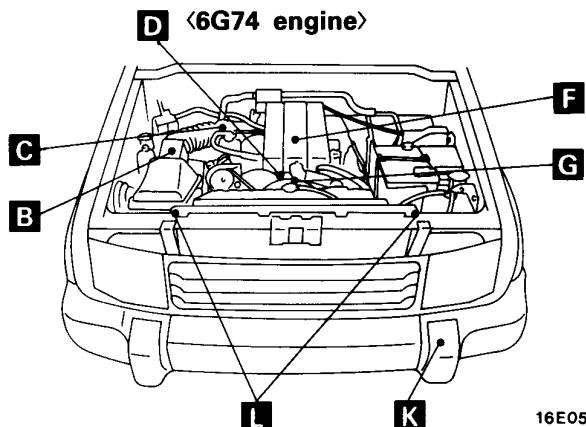
Names are listed in alphabetical order.

Engine compartment

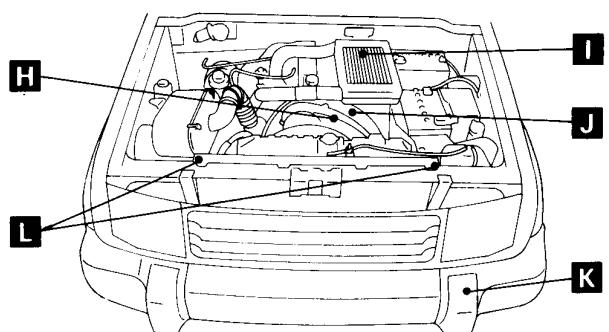
<4G64, 6G72 engine>



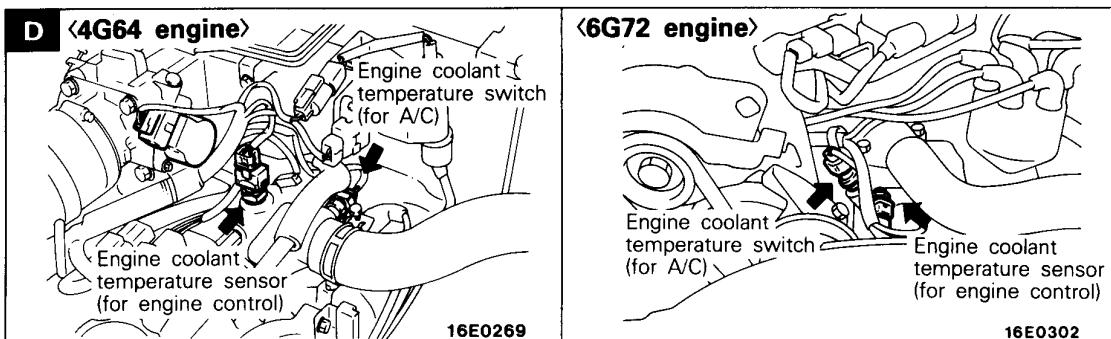
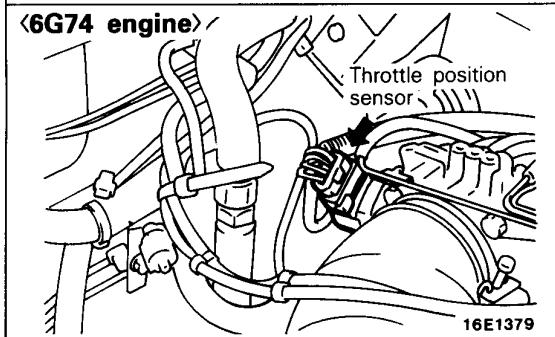
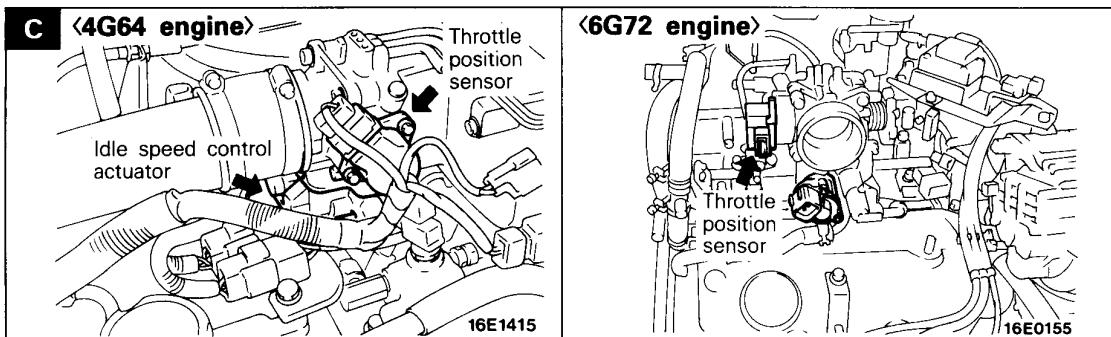
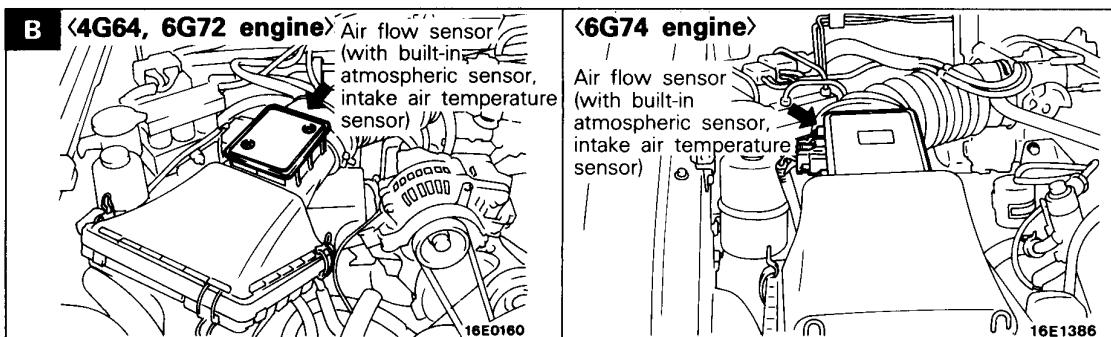
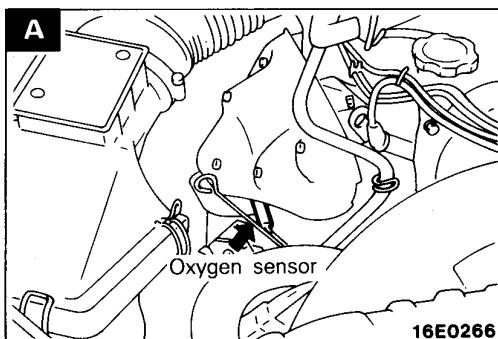
<Diesel-powered vehicles>

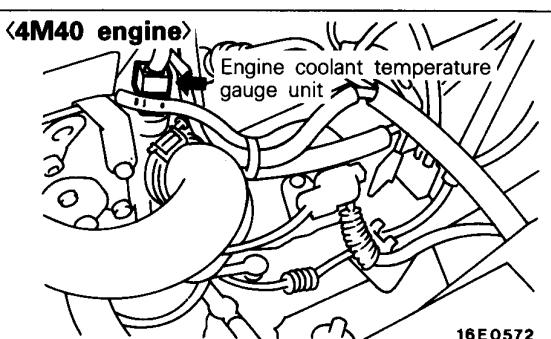
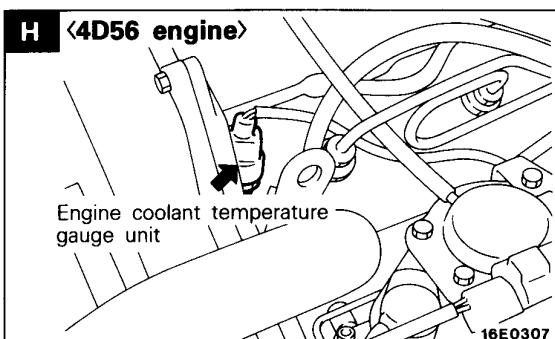
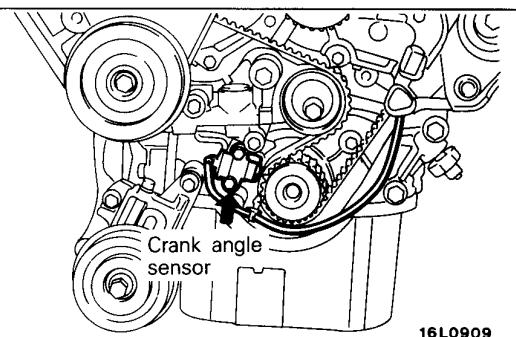
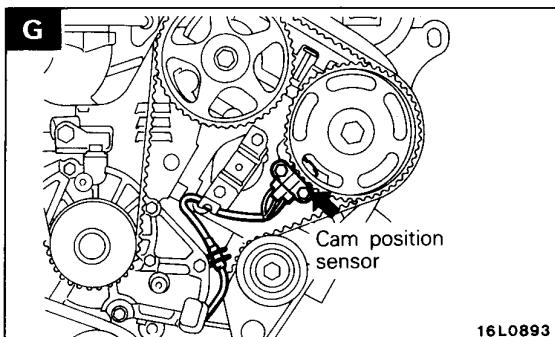
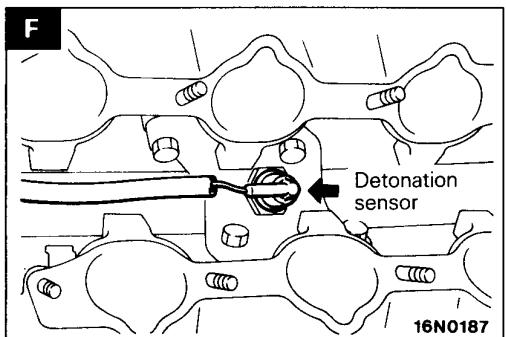
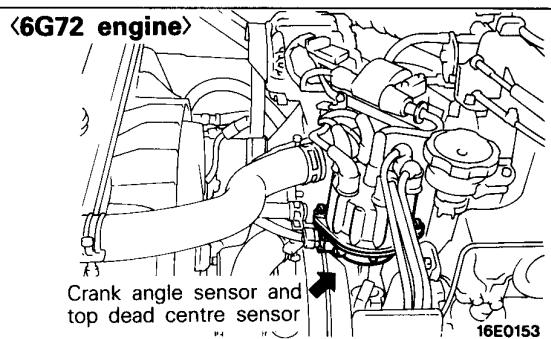
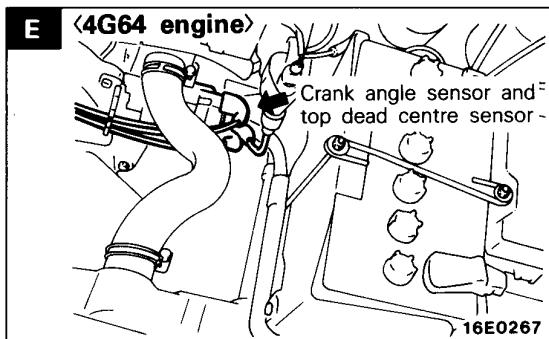
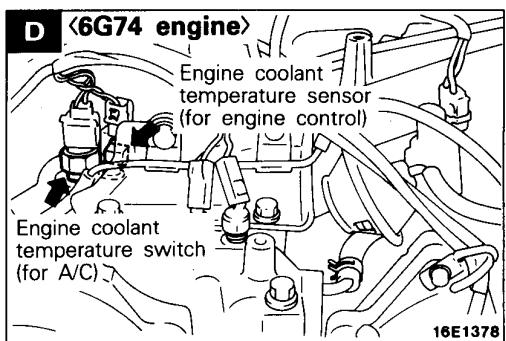


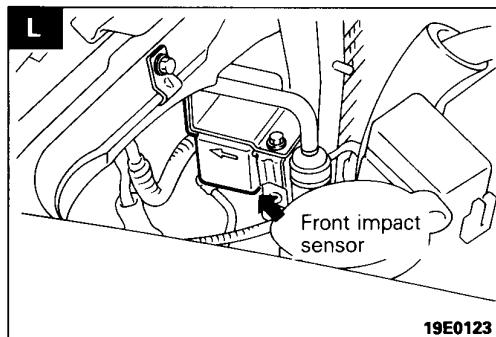
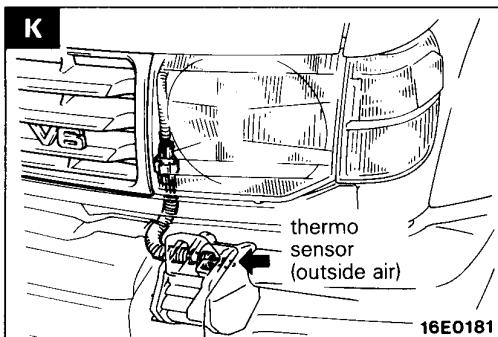
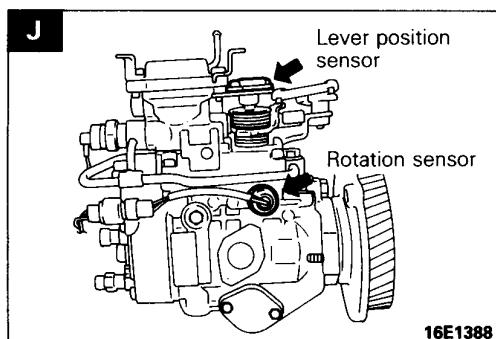
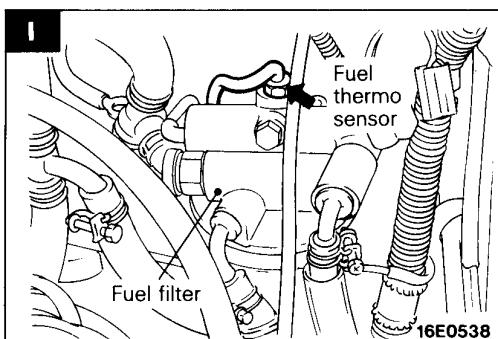
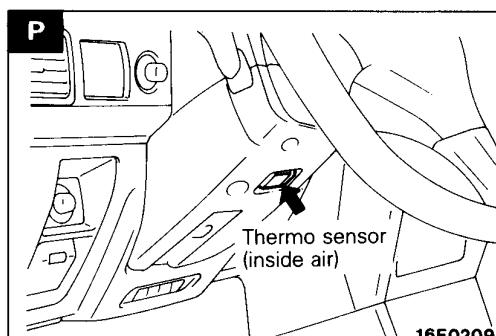
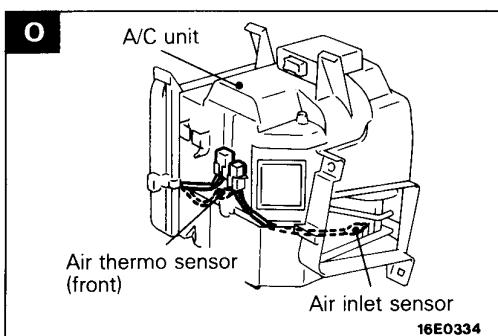
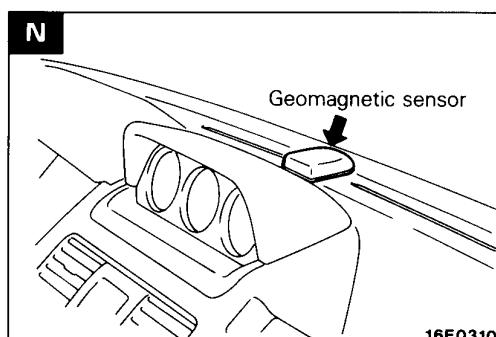
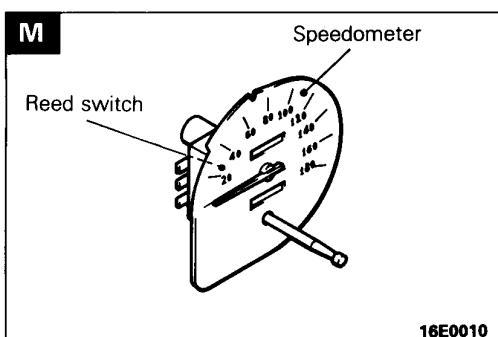
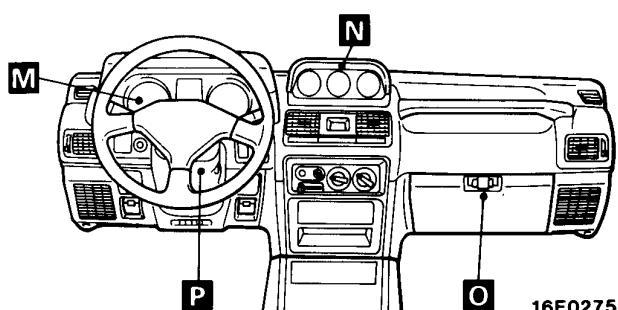
16E0570

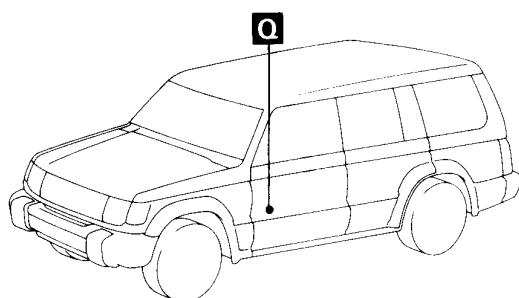


16E0129

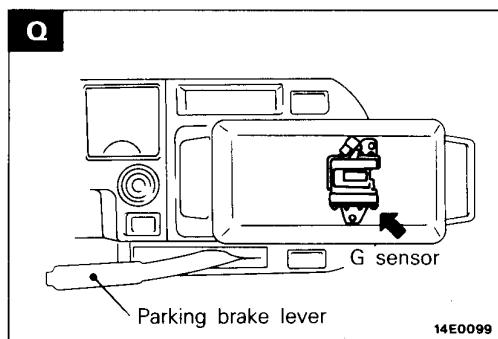




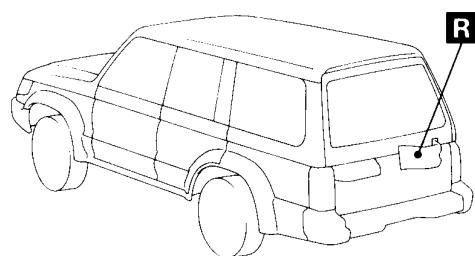
**Interior**

Floor

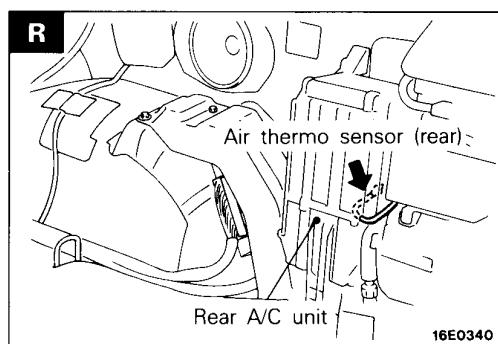
18E0003



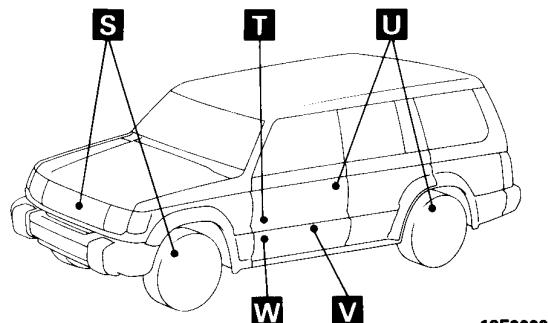
14E0099

Luggage compartment

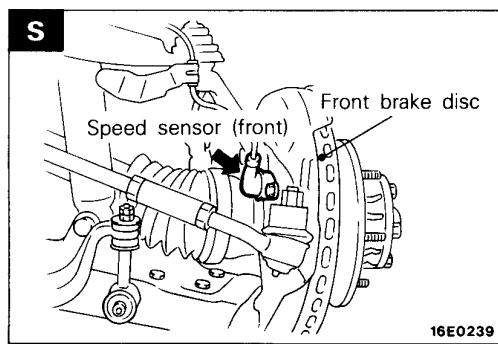
18E0004



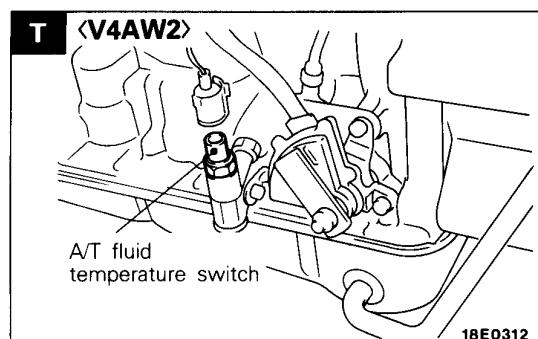
16E0340

Under floor

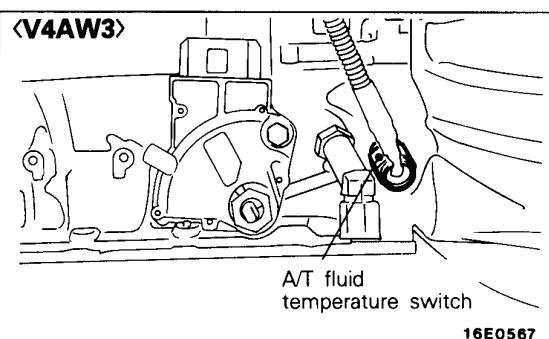
18E0003



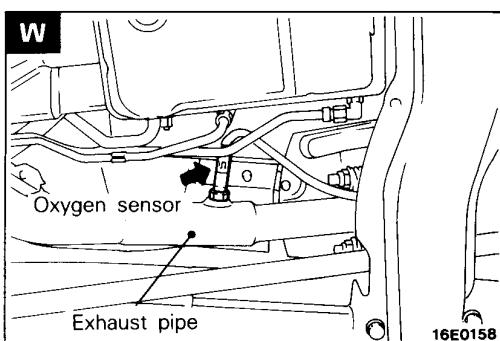
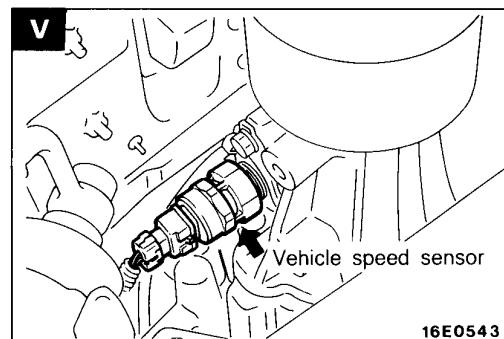
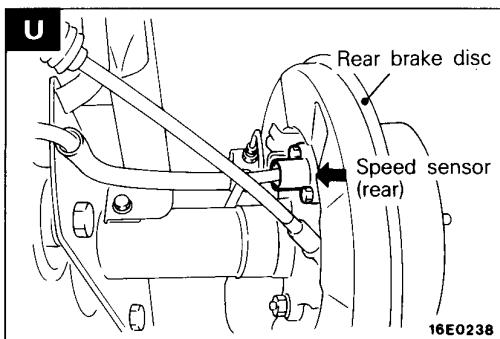
16E0239



18E0312



16E0567



SOLENOID VALVE

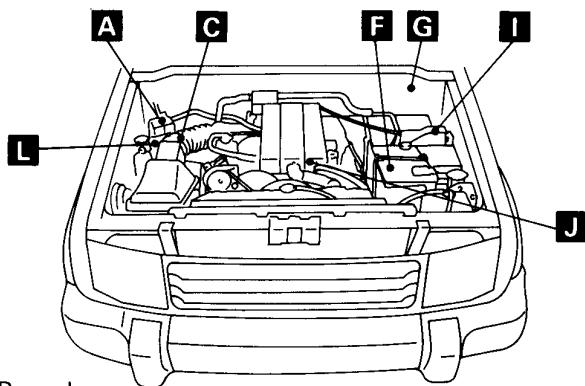
Name	Symbol	Name	Symbol
Auto-cruise control actuator (with built-in solenoid valve)	I	Overdrive solenoid valve <V4AW2>	N
EGR solenoid valve <6G74 engine>	C	Purge control solenoid valve <Petrol-powered vehicles>	F
EGR solenoid valve I, II <Diesel-powered vehicles with EGR system>	E	Solenoid assembly <V4AW3>	M
Hydraulic unit (with build-in solenoid valve)	A	Solenoid valve (super select 4WD)	L
Idle up solenoid valve(ABS)	LHD H	Supercharging pressure relief solenoid valve	E
	RHD B	Timer solenoid valve <4M40 engine>	K
Idle up solenoid valve(A/C)	LHD D	Variable induction control solenoid valve <6G74 engine>	J
	RHD G		

NOTE

Names are listed in alphabetical order.

Engine compartment

<Petrol-powered vehicles>

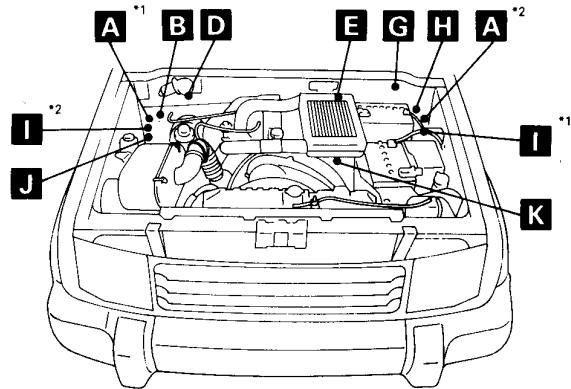


Remarks

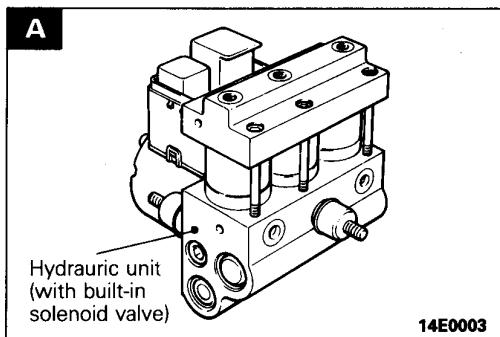
- *1: R.H.drive vehicles
- *2: L.H.drive vehicles

16E0570

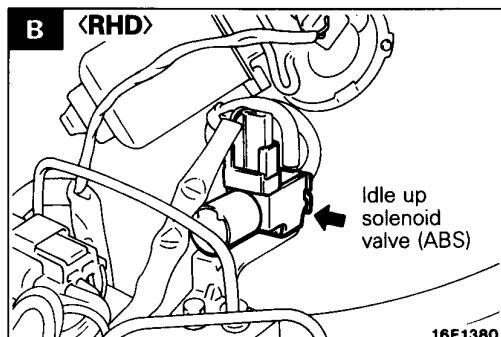
<Diesel-powered vehicles>



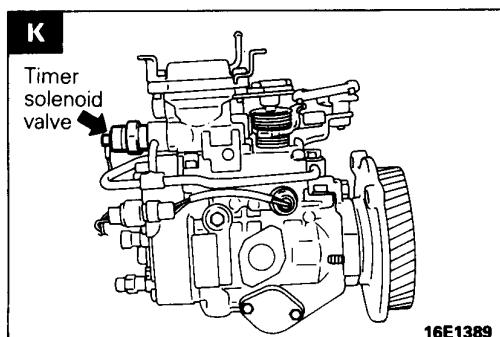
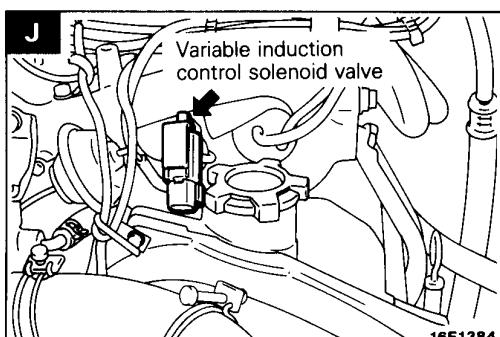
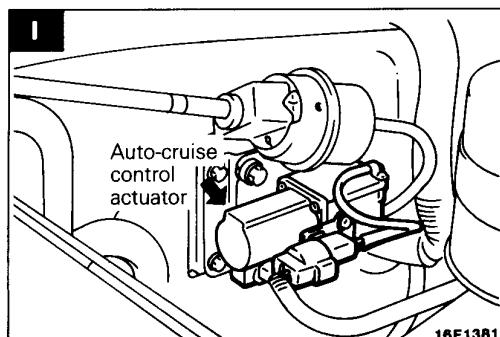
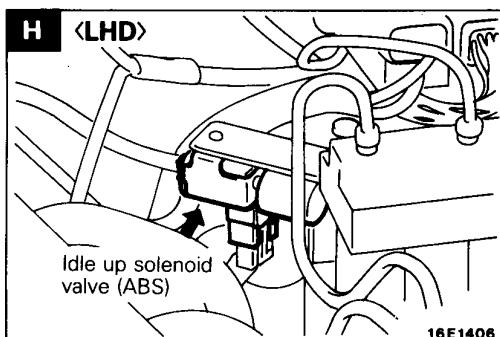
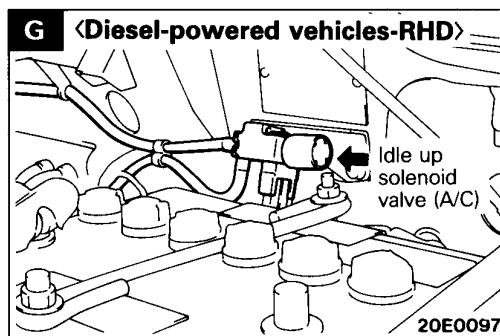
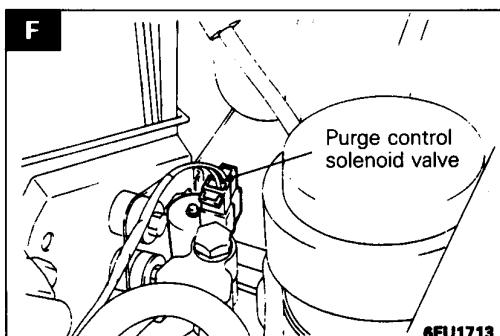
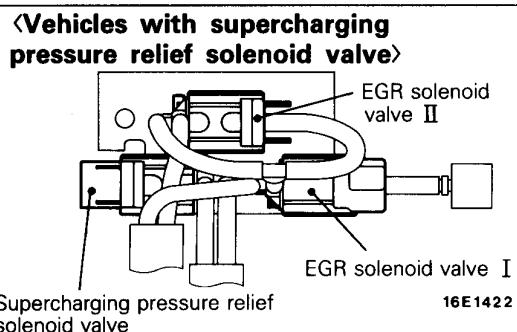
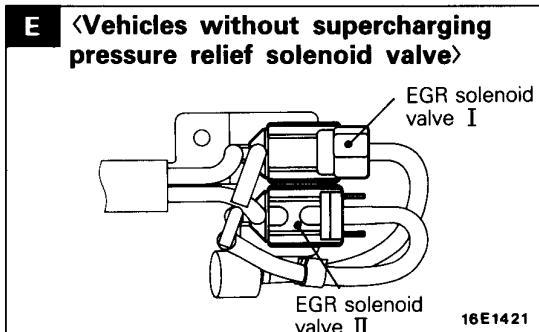
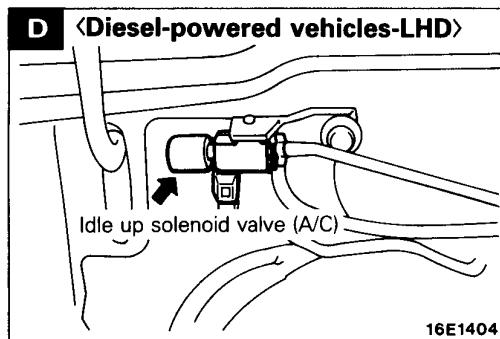
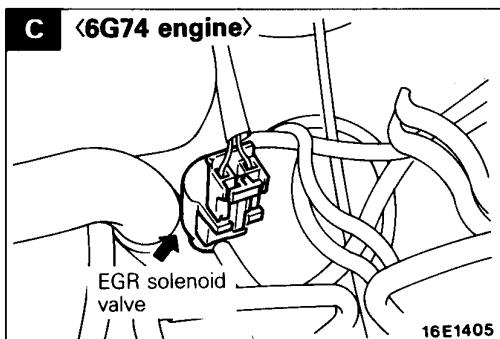
16E0129



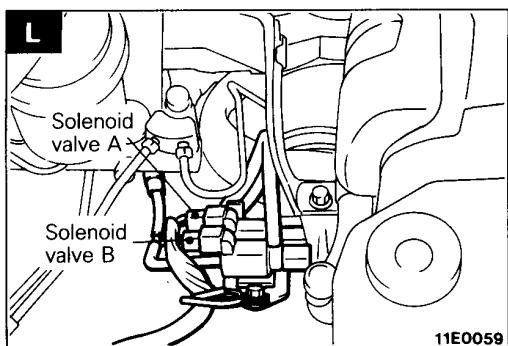
14E0003



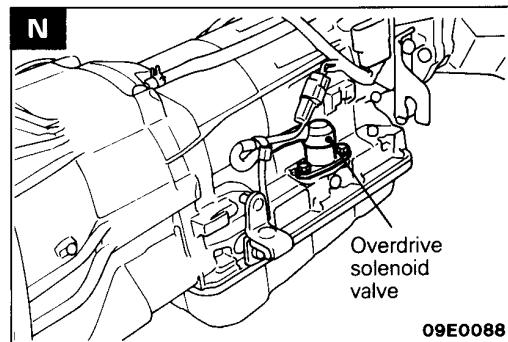
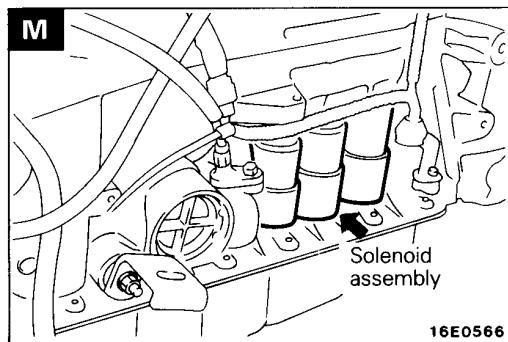
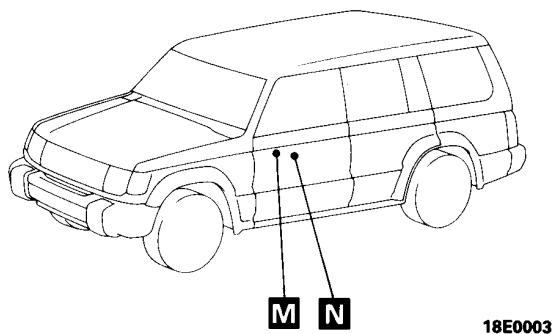
16E1380



3A-16 SINGLE PART INSTALLATION POSITION — Solenoid Valve



Under floor



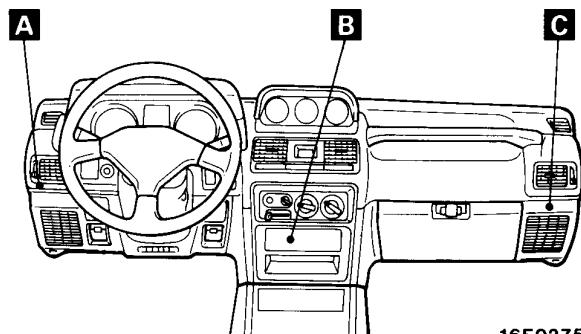
DIODE

Name	Symbol	Name	Symbol	
Diode (for ABS circuit)	LHD RHD	B A	Diode (for headlamp circuit)	A
			Diode (for MPI circuit) <6G74 engine>	LHD RHD
Diode (for dim-dip lamp circuit)	A		Diode (for super select 4WD circuit)	LHD RHD
	A			C A

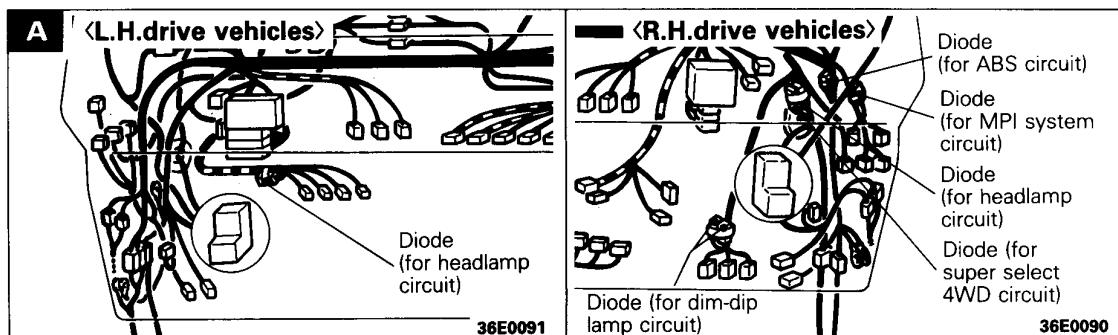
NOTE

Names are listed in alphabetical order.

Interior

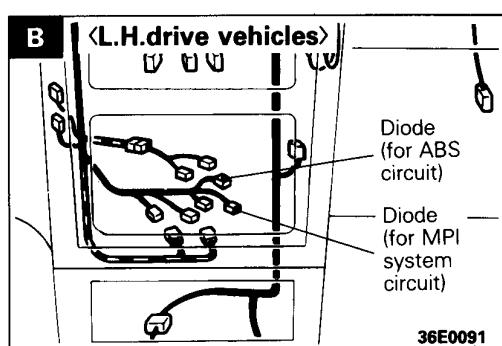


16E0275

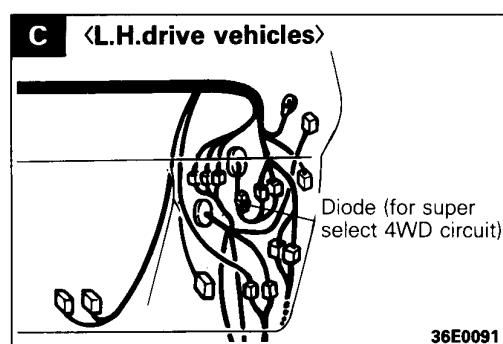


36E0091

36E0090



36E0091



36E0091

3A-18 SINGLE PART INSTALLATION POSITION — Inspection Terminal

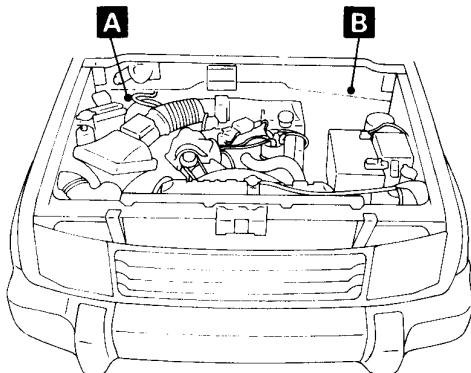
INSPECTION TERMINAL

Name	Symbol	Name	Symbol
Diagnosis connector	C	Fuel pump check connector	LHD A
Engine speed detection connector <6G74 engine>	LHD A	RHD	B
		Ignition timing adjustment connector	LHD A RHD B

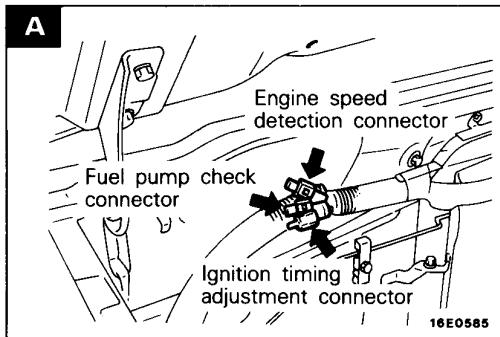
NOTE

Names are listed in alphabetical order.

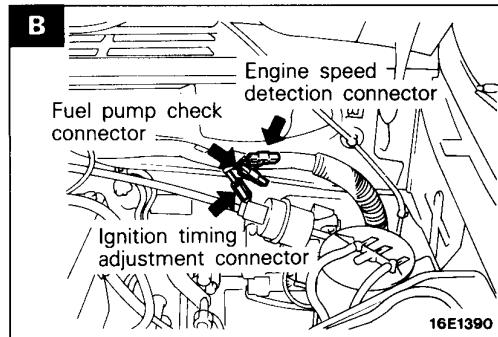
Engine compartment



16E0128

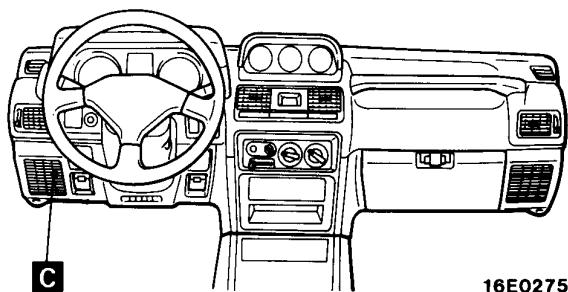


16E0585

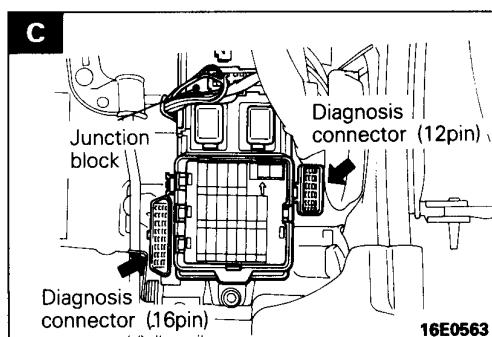


16E1390

Interior



16E0275



16E0563

SINGLE PART INSTALLATION POSITION — Fusible Link and Fuse 3A-19

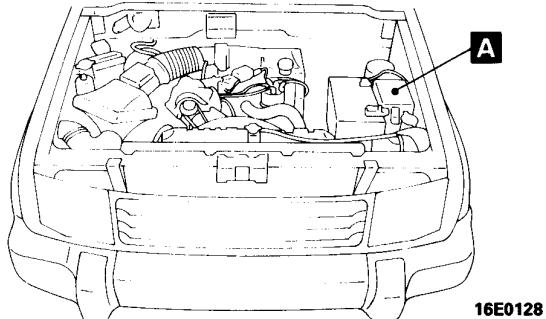
FUSIBLE LINK AND FUSE

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

NOTE

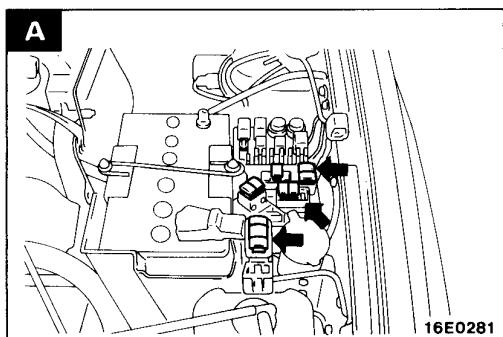
Names are listed in alphabetical order.

Engine compartment



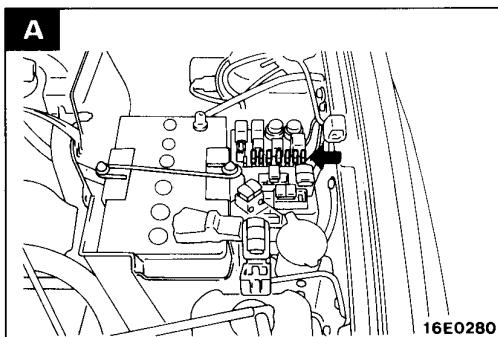
16E0128

Fusible link



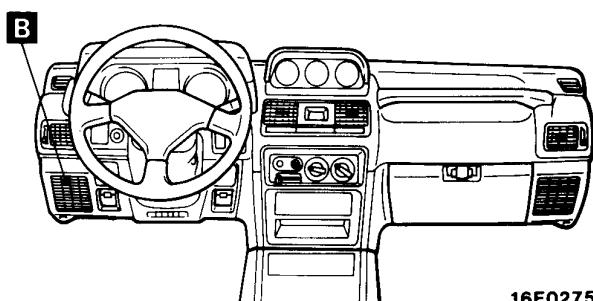
16E0281

Dedicated fuse



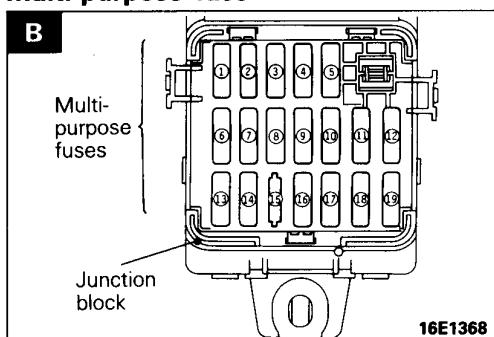
16E0280

Interior



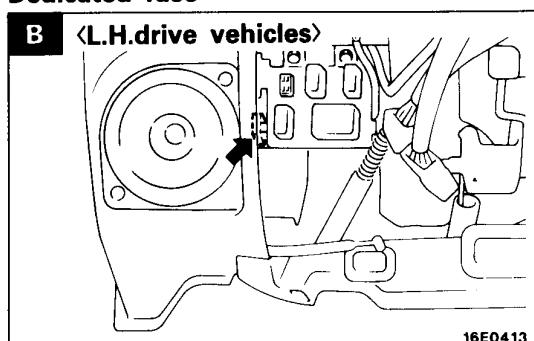
16E0275

Multi-purpose fuse



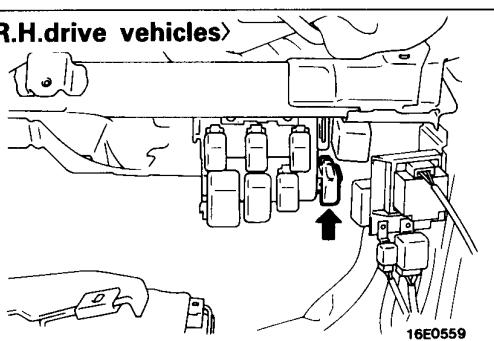
16E1368

Dedicated fuse



16E0413

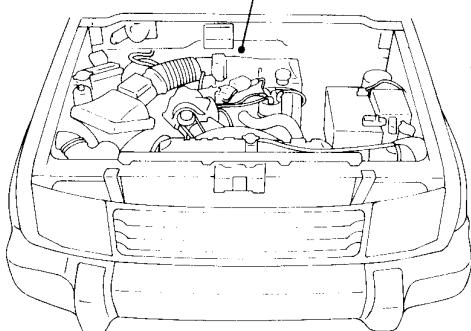
<R.H. drive vehicles>



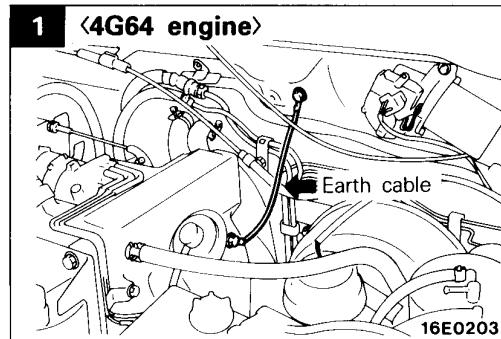
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EARTH CABLE

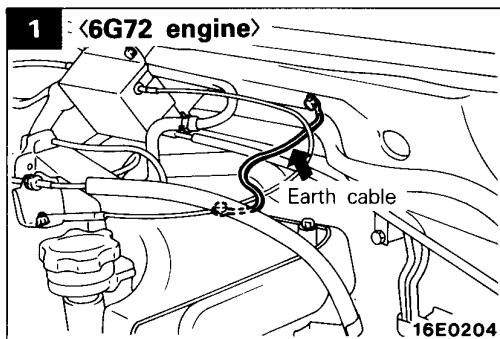
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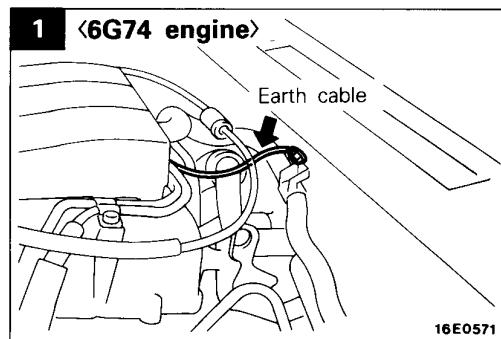
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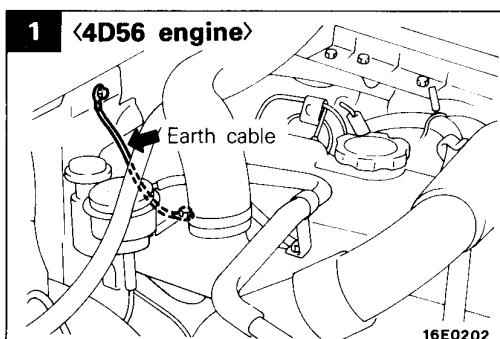
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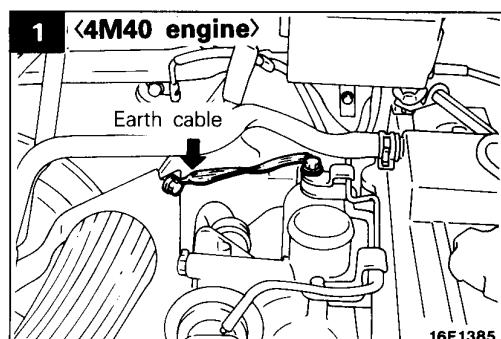
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16E0571

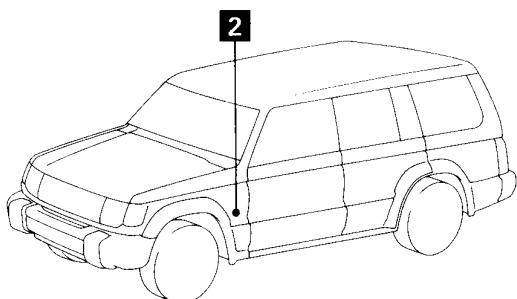


16E0202

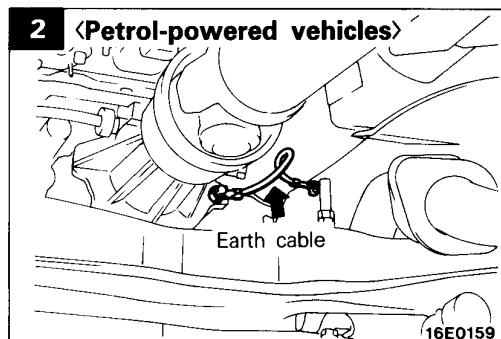


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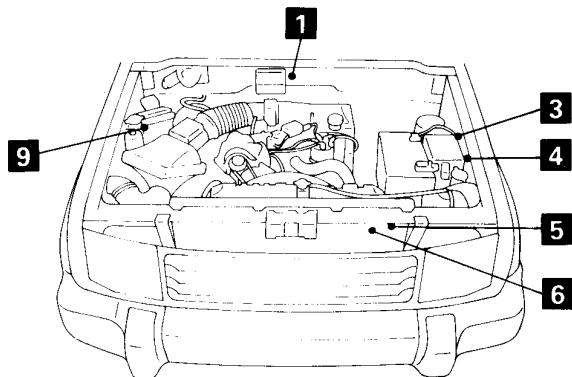
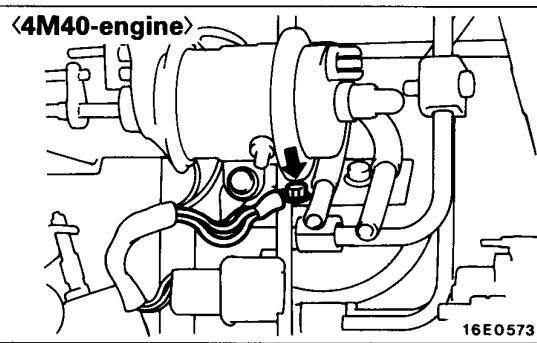
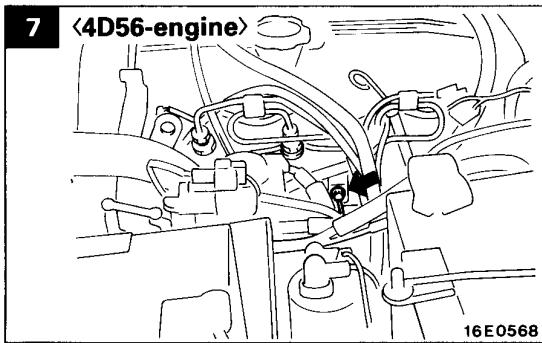
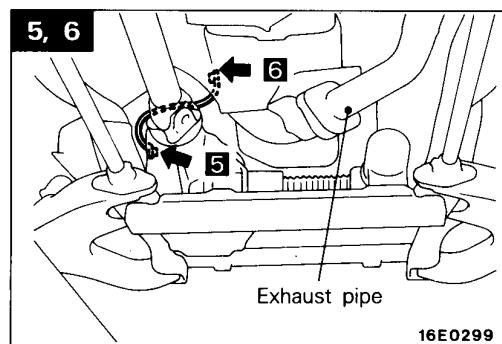
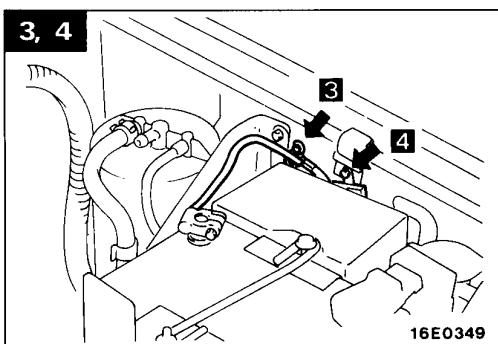
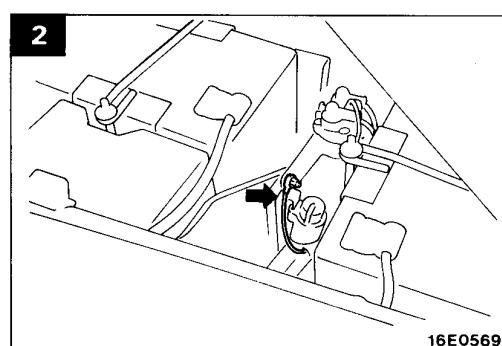
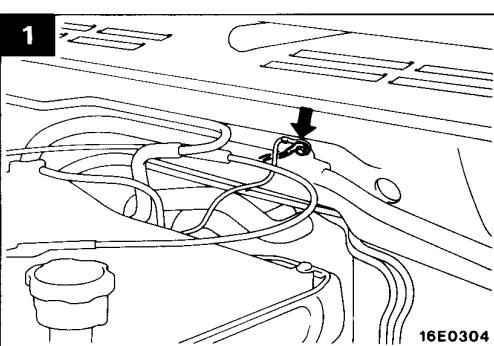
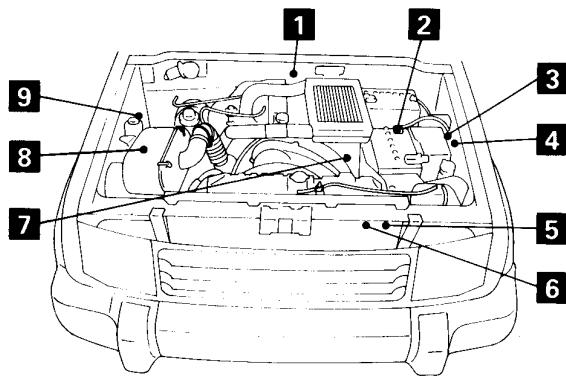
Under floor

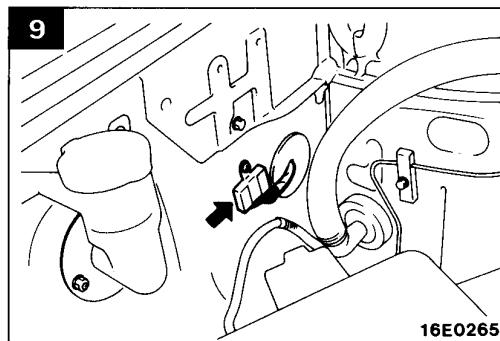
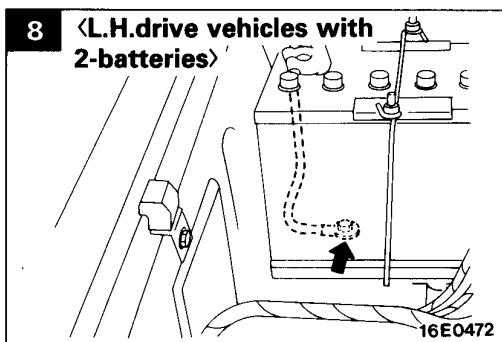
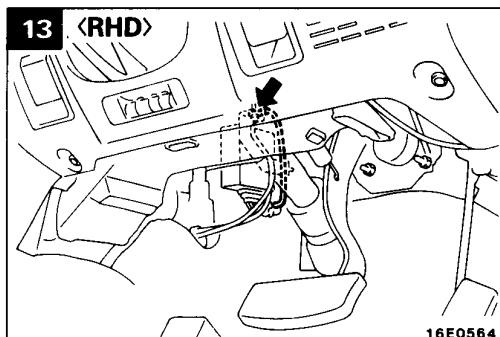
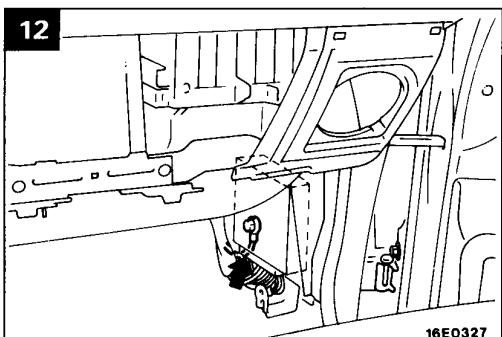
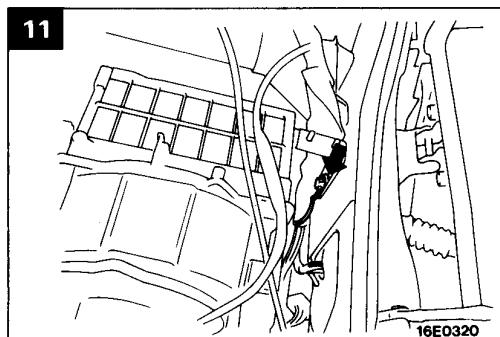
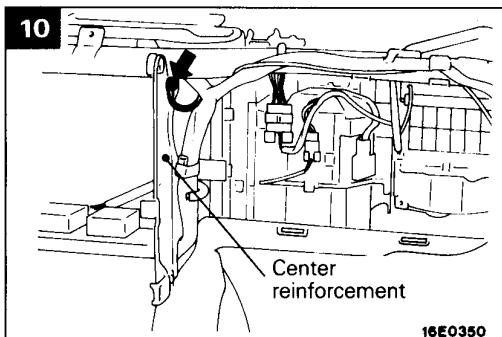
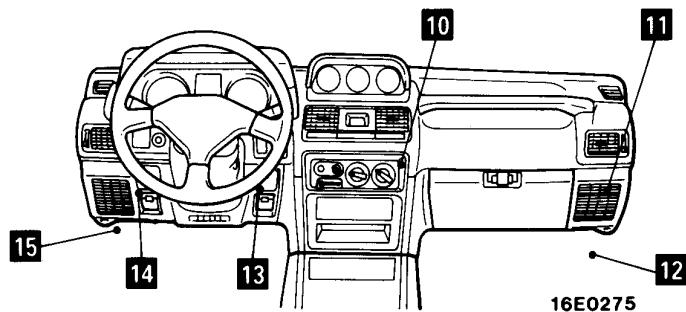


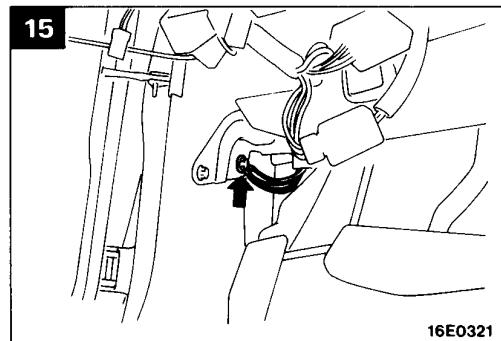
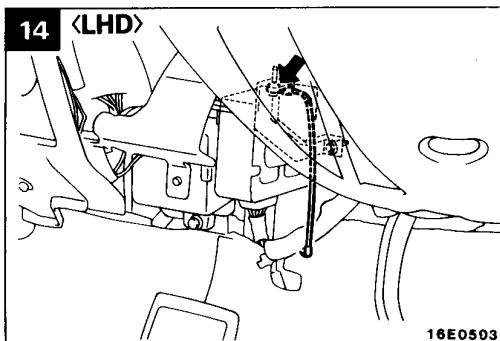
18E0003



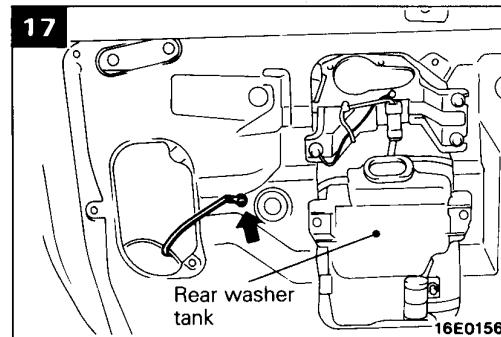
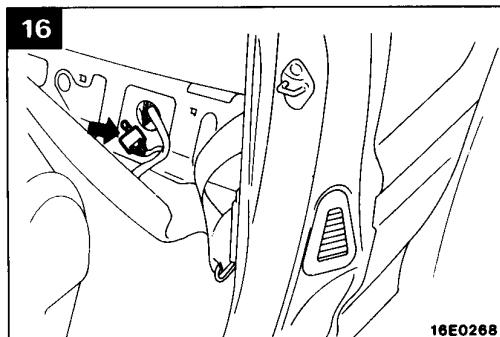
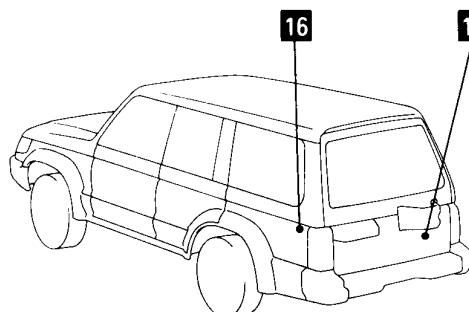
16E0159

EARTH**Engine compartment****<Petrol-powered vehicles>****<Diesel-powered vehicles>**

**Interior**



Floor, Back door



4A CIRCUIT DIAGRAM

JUNCTION BLOCK	4A-4
CENTRALIZED JUNCTION	4A-6
POWER DISTRIBUTION	
Petrol-powered vehicles	4A-10
Diesel-powered vehicles	4A-16
STARTING SYSTEM	
4G64 engine	4A-22
6G72, 6G74 engine	4A-23
4D56, 4M40 engine	4A-24
IGNITION SYSTEM	
4G64 engine	4A-26
6G72 engine	4A-27
6G74 engine	4A-28
CHARGING SYSTEM	
4G64, 6G72 engine	4A-30
6G74 engine	4A-31
4D56, 4M40 engine	4A-32
GLOW SYSTEM	
4D56 engine <without supercharging pressure relief solenoid valve>	4A-34
4D56 engine <with supercharging pressure relief solenoid valve>	4A-36
4M40 engine <without supercharging pressure relief solenoid valve>	4A-38
4M40 engine <with supercharging pressure relief solenoid valve>	4A-40
MPI SYSTEM	
4G64 engine-M/T	4A-42
6G72 engine-M/T	4A-46
6G72 engine-A/T	4A-54
6G74 engine-M/T	4A-62
6G74 engine-A/T	4A-72
OVERDRIVE CONTROL SYSTEM	
6G72 engine	4A-82
ELC-4A/T	
6G74 engine	4A-86
4M40 engine	4A-94
HEADLAMP	
L.H. drive vehicles without daytime running lamp <without SRS>	4A-101
L.H. drive vehicles without daytime running lamp <with SRS>	4A-102
L.H. drive vehicles with daytime running lamp <without SRS>	4A-104
L.H. drive vehicles with daytime running lamp <with SRS>	4A-106
R.H. drive vehicles without SRS	4A-110
R.H. drive vehicles with SRS	4A-112
HEADLAMP LEVELING SYSTEM	
4A-114	
TAIL LAMP, CLEARANCE LAMP, LICENCE PLATE LAMP	
4A-116	
REAR FOG LAMP	
L.H. drive vehicles <without SRS>	4A-120
L.H. drive vehicles <with SRS>	4A-122
R.H. drive vehicles <without SRS>	4A-124
R.H. drive vehicles <with SRS>	4A-126
ROOM LAMP	
Canvas top	4A-128
2-door models without sunroof	4A-129
2-door models with sunroof	4A-130
4-door models	4A-131
IGNITION KEY ILLUMINATION LAMP	
L.H. drive vehicles	4A-134
R.H. drive vehicles	4A-135
TURN-SIGNAL LAMP AND HAZARD LAMP	
4A-136	
STOP LAMP	
4A-139	
BACK-UP LAMP	
M/T	4A-140
A/T	4A-141
HORN	
Vehicles without SRS	4A-142
Vehicles with SRS	4A-143
METER AND GAUGE	
4G64 engine	4A-144
6G72, 6G74 engine	4A-146
4D56, 4M40 engine	4A-150
LOW FUEL WARNING LAMP	
4A-154	
FUEL FILTER WARNING LAMP	
4A-154	
OIL PRESSURE WARNING LAMP	
4A-155	
LOW ENGINE OIL LEVEL WARNING LAMP	
4A-156	
BRAKE WARNING LAMP	
4A-156	
MULTI-METER	
Vehicles without electronic compass	4A-158
Vehicles with electronic compass	4A-160
POWER WINDOW	
L.H. drive vehicles <2-door models>	4A-162
L.H. drive vehicles <4-door models>	4A-163
R.H. drive vehicles <2-door models>	4A-166
R.H. drive vehicles <4-door models>	4A-167
CENTRAL DOOR LOCKING SYSTEM	
L.H. drive vehicles	4A-172
R.H. drive vehicles	4A-174
HEATER	
L.H. drive vehicles without rear heater	4A-176
L.H. drive vehicles with rear heater <without dual air conditioner>	4A-177
L.H. drive vehicles with rear heater <with dual air conditioner>	4A-180
R.H. drive vehicles without rear heater	4A-183
R.H. drive vehicles with rear heater <without dual air conditioner>	4A-184
R.H. drive vehicles with rear heater <with dual air conditioner>	4A-187

HEATER

L.H. drive vehicles without rear heater	4A-176
L.H. drive vehicles with rear heater <without dual air conditioner>	4A-177
L.H. drive vehicles with rear heater <with dual air conditioner>	4A-180
R.H. drive vehicles without rear heater	4A-183
R.H. drive vehicles with rear heater <without dual air conditioner>	4A-184
R.H. drive vehicles with rear heater <with dual air conditioner>	4A-187

SINGLE AIR CONDITIONER

L.H. drive vehicles <4G64, 6G72 engine>	4A-191
L.H. drive vehicles <6G74 engine>	4A-194
L.H. drive vehicles <diesel-powered vehicles>	4A-197
R.H. drive vehicles <petrol-powered vehicles>	4A-201
R.H. drive vehicles <diesel-powered vehicles>	4A-204

DUAL AIR CONDITIONER

L.H. drive vehicles without rear heater <petrol-powered vehicles>	4A-208
L.H. drive vehicles without rear heater <diesel-powered vehicles>	4A-213
L.H. drive vehicles with rear heater <petrol-powered vehicles>	4A-219
L.H. drive vehicles with rear heater <diesel-powered vehicles>	4A-226
R.H. drive vehicles without rear heater <petrol-powered vehicles>	4A-234
R.H. drive vehicles without rear heater <diesel-powered vehicles>	4A-239
R.H. drive vehicles with rear heater <petrol-powered vehicles>	4A-245
R.H. drive vehicles with rear heater <diesel-powered vehicles>	4A-252

WINDSHIELD WIPER AND WASHER

Vehicles without SRS	4A-260
Vehicles with SRS	4A-261

REAR WIPER AND WASHER

Vehicles without SRS	4A-264
Vehicles with SRS	4A-266

HEADLAMP WASHER **4A-268****DEFOGGER AND DOOR MIRROR HEATER** **4A-270****WIPER DEICER** **4A-272****REMOTE CONTROLLED MIRROR** **4A-274****RADIO AND TAPE PLAYER**

L.H. drive vehicles <AM/FM radio>	4A-276
L.H. drive vehicles <LW/MW/FM radio and tape player>	4A-278
L.H. drive vehicles <AM/FM radio and tape player>	4A-281
R.H. drive vehicles <AM/FM radio>	4A-285
R.H. drive vehicles <LW/MW/FM radio and tape player>	4A-286
R.H. drive vehicles <AM/FM radio and tape player>	4A-288

CLOCK

L.H. drive vehicles	4A-291
R.H. drive vehicles	4A-292

CIGARETTE LIGHTER **4A-293****ACCESSORY SOCKET** **4A-294****SUNROOF**

Canvas top	4A-295
4-door models	4A-296

INTERCOOLER FAN **4A-297****REAR DIFFERENTIAL LOCK SYSTEM**

L.H. drive vehicles	4A-298
R.H. drive vehicles	4A-300

PART TIME 4WD SYSTEM **4A-302****SUPER SELECT 4WD SYSTEM** **4A-304****REMOTE CONTROLLED VARIABLE****SHOCK ABSORBERS SYSTEM** **4A-306****ANTI-LOCK BRAKE SYSTEM** **4A-308****AUTO-CRUISE CONTROL SYSTEM**

L.H. drive vehicles <Petrol-powered vehicles>	4A-312
L.H. drive vehicles <Diesel-powered vehicles>	4A-316
R.H. drive vehicles <Petrol-powered vehicles>	4A-320
R.H. drive vehicles <Diesel-powered vehicles>	4A-324

HEATED SEAT

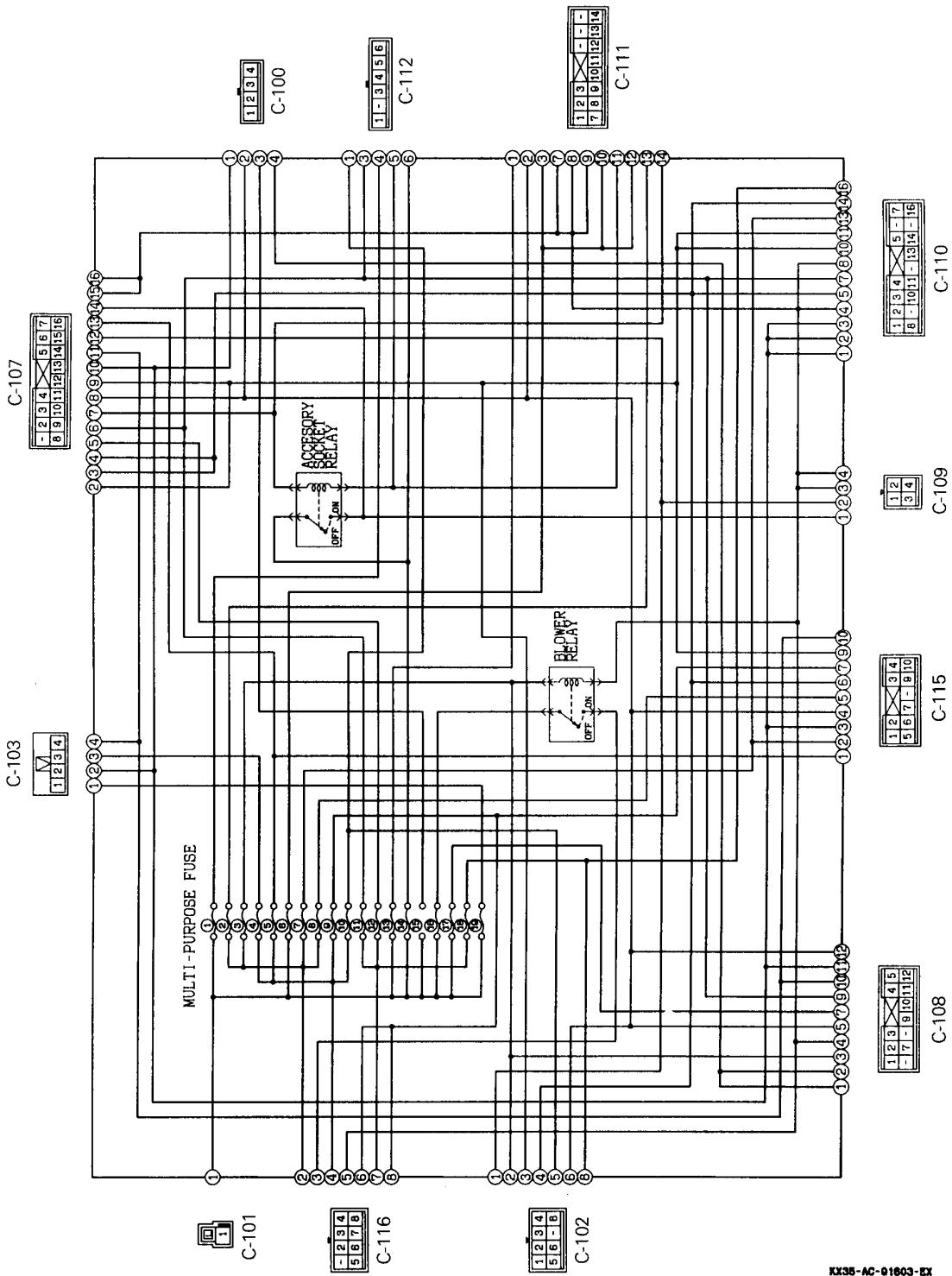
Vehicles without power seat	4A-328
Vehicles with power seat	4A-330

POWER SEAT **4A-333****LIGHTING MONITOR BUZZER** **4A-336****FUEL LINE HEATER** **4A-338****SUPPLEMENTAL RESTRAINT SYSTEM**

Petrol-powerd vehicles	4A-340
Diesel-powerd vehicles	4A-342

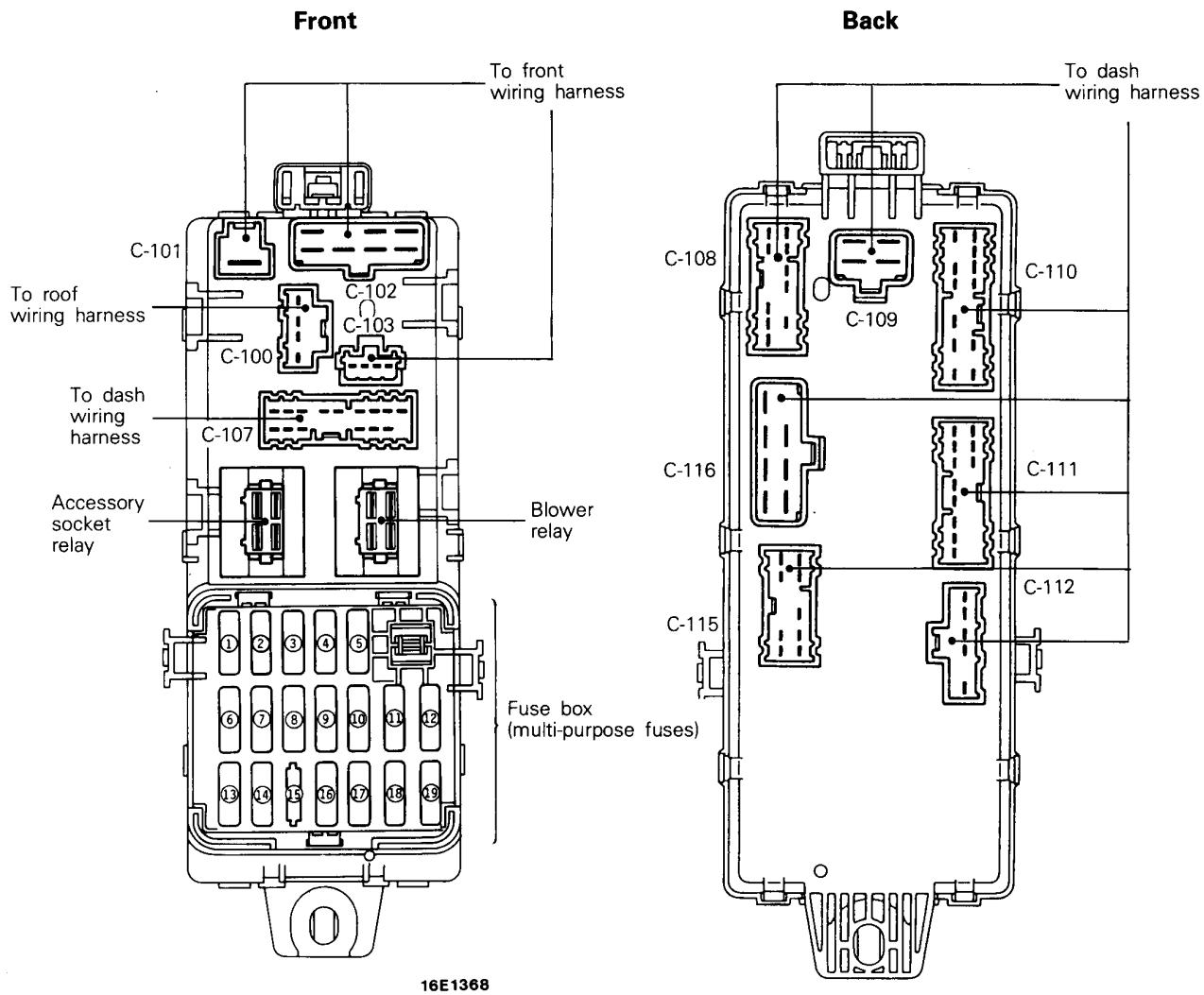
NOTES

JUNCTION BLOCK



Remark

- Connector numbers are keyed to the configuration diagram (dashboard panel) and each circuit diagram.

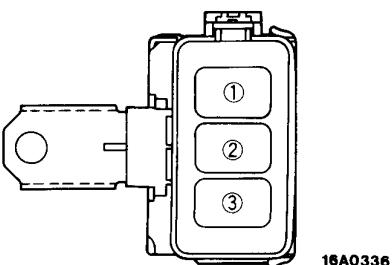


CENTRALIZED JUNCTION FUSIBLE LINK

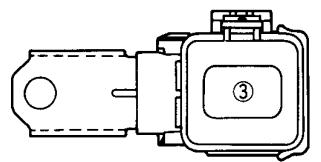
No.	Circuit	Housing colour	Rated capacity (A)
1	ABS circuit (hydraulic unit power source)	Yellow	60
2	—	—	—
3	Glow control circuit	Black	80
4	Junction block (Multi-purpose fuse ①, ⑥, ⑬, ⑭, ⑯, ⑰, ⑲ A/C circuit)	Yellow	60
5	Alternator circuit	Blue	100
6	MPI or intercooler fan circuit	Light blue	20
7	Ignition switch and starting circuit	Green	40
8	—	—	—
9	Defogger circuit	Pink	30
10	Power window circuit	Pink	30
11	—	—	—
12	Condenser fan motor circuit	Pink	30
13	Alternator, headlamp and tail lamp circuit	Green	40

(Connected directly to battery positive terminal)

<Vehicles with ABS>

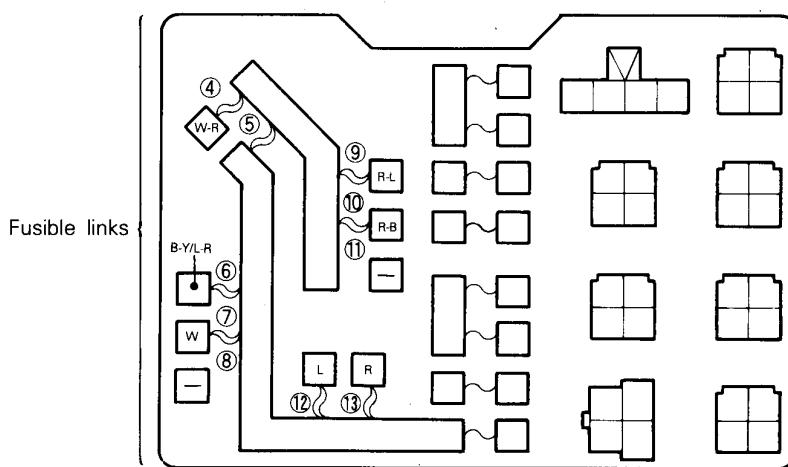


<Diesel-powered vehicles without ABS>



16A0335

(Relay box in engine compartment)



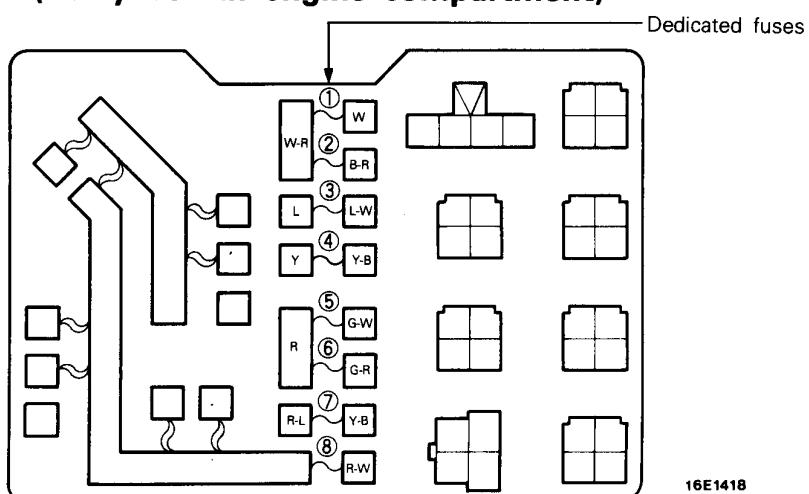
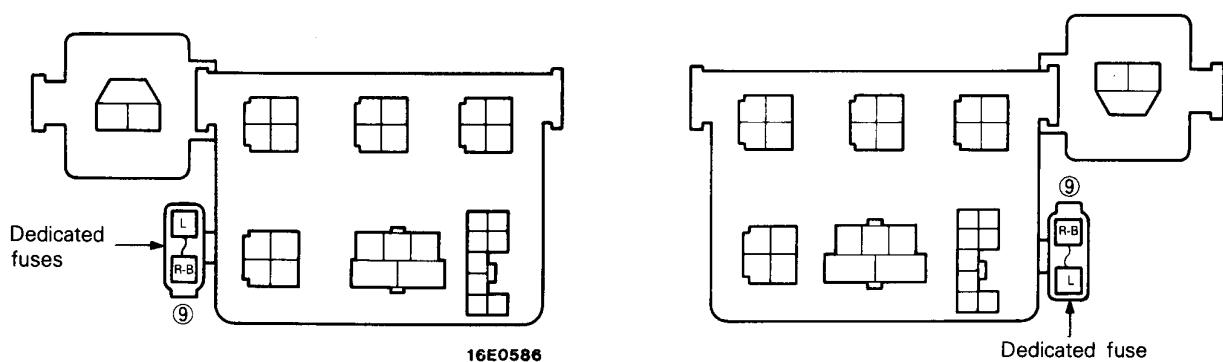
16E1418

DEDICATED FUSE

Power supply circuit	No.	Rated capacity (A)	Housing Colour	Circuit
Battery/Alternator	1	15	Blue	Fuel line heater
	2	10	Red	A/C compressor circuit
	3	25	Transparent	Condenser fan motor circuit
		30*	Green	
Headlamp relay (Battery)	4	10	Red	Rear fog lamp circuit
Tail lamp relay (Battery)	5	10	Red	Tail lamp circuit
Tail lamp relay (Battery)	6	10	Red	Tail lamp circuit
Headlamp relay (Battery)	7	10	Red	Upper beam indicator circuit
Battery/Alternator	8	10	Red	Hazard lamp circuit
Ignition switch (ACC)	9	15	Blue	Sunroof circuit

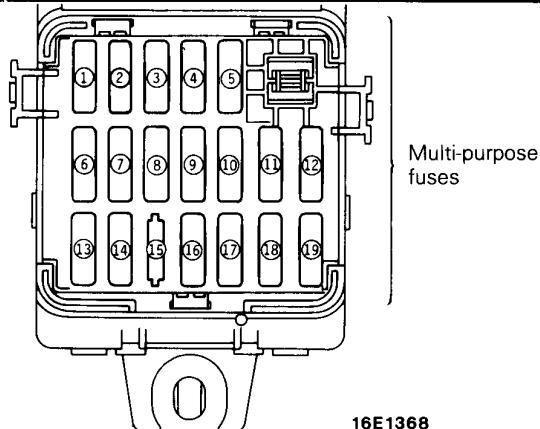
NOTE

(1)*: Diesel-powered vehicles with dual air conditioner.

(Relay box in engine compartment)**(Relay box in passenger compartment)**
⟨L.H. drive vehicles⟩ ⟨R.H. drive vehicles⟩

MULTI-PURPOSE FUSES (In junction block)

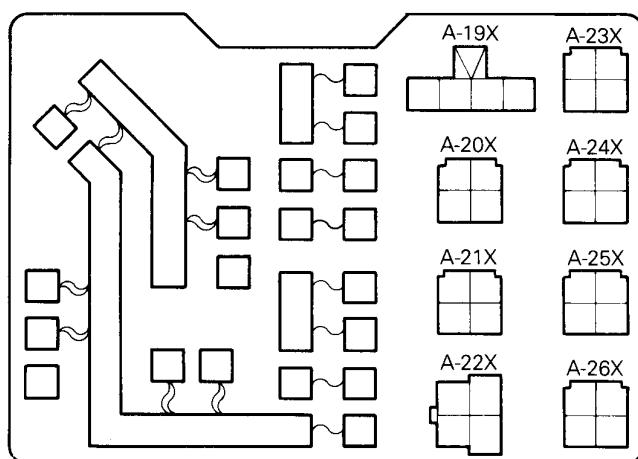
Power supply circuit		No.	Rated capacity (A)	Load circuit	
Battery		1	20	Rear A/C control unit	
Ignition switch	(IG2)	2	10	Overdrive control relay, ELC-4A/T control unit and auto-cruise control unit	
		3	10	DRL control unit, blower relay, rear heater relay, headlamp washer relay, defogger relay, and wiper deicer timer	
	(ACC)	4	10	Radio, clock, accessory socket relay and auto-cruise control unit	
		5	15	Remote control mirror, cigarette lighter	
Battery		6	15	Door lock control unit	
Ignition switch	(IG2)	7	10	Variable shock absorber control unit, ABS control unit, 4WD indicator control unit, 4WD indicator relay	
		8	10	Power window relay and heated seat	
	(ACC)	9	15	Wiper and washer	
		10	10	Horn	
	(IG1)	11	10	Combination meter and motor antenna control unit	
		12	10	Turn-signal lamp and hazard lamp and SRS diagnosis unit	
Battery		13	10	Rear heater blower motor	
		14	15	Accessory socket relay	
		15	—	—	
		16	25	Blower motor	
		17	15	Stop lamp	
Ignition switch	(IG1)	18	15	Back-up lamp and rear differential lock control unit, SRS diagnosis unit	
Battery		19	10	Engine control unit, ELC-4A/T control unit, room lamp, map lamp, cargo space lamp, combination meter, radio, clock, door lock control unit, auto-cruise control unit and ABS control unit and SRS diagnosis unit	



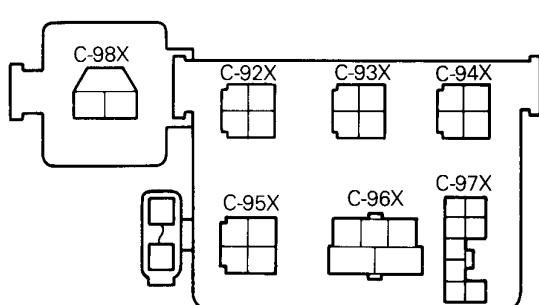
16E1368

CENTRALIZED RELAY

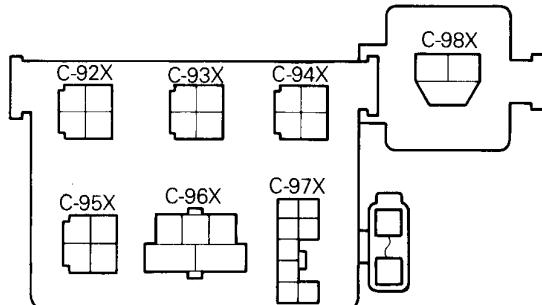
Classification		Name	Classification		Name
Relay box in engine compartment	A-19X	Jumper connector	Relay box in passenger compartment	C-92X	—
	A-20X	Headlamp relay		C-93X	Rear heater relay
	A-21X	Intercooler fan motor relay		C-94X	Power window relay
	A-22X	Alternator relay		C-95X	Door lock control unit
	A-23X	Rear fog lamp relay		C-96X	Defogger relay
	A-24X	Tail lamp relay		C-97X	Rear intermittent wiper relay
	A-25X	Condenser fan motor relay		C-98X	Turn and hazard flasher unit
	A-26X	A/C compressor relay			

(Relay box in engine compartment)

16E1418

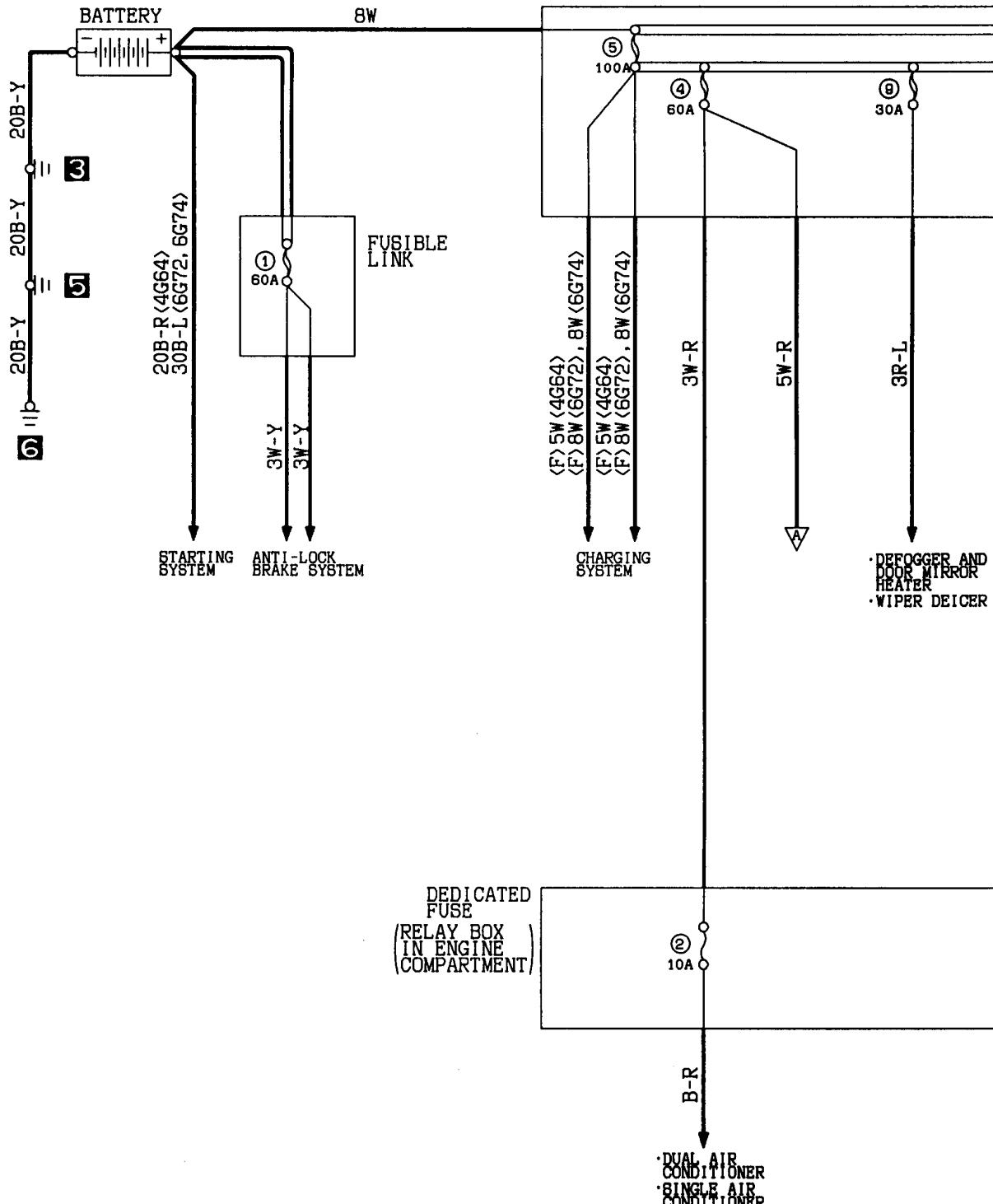
(Relay box in passenger compartment)**<L.H. drive vehicles>****<R.H. drive vehicles>**

16E0586



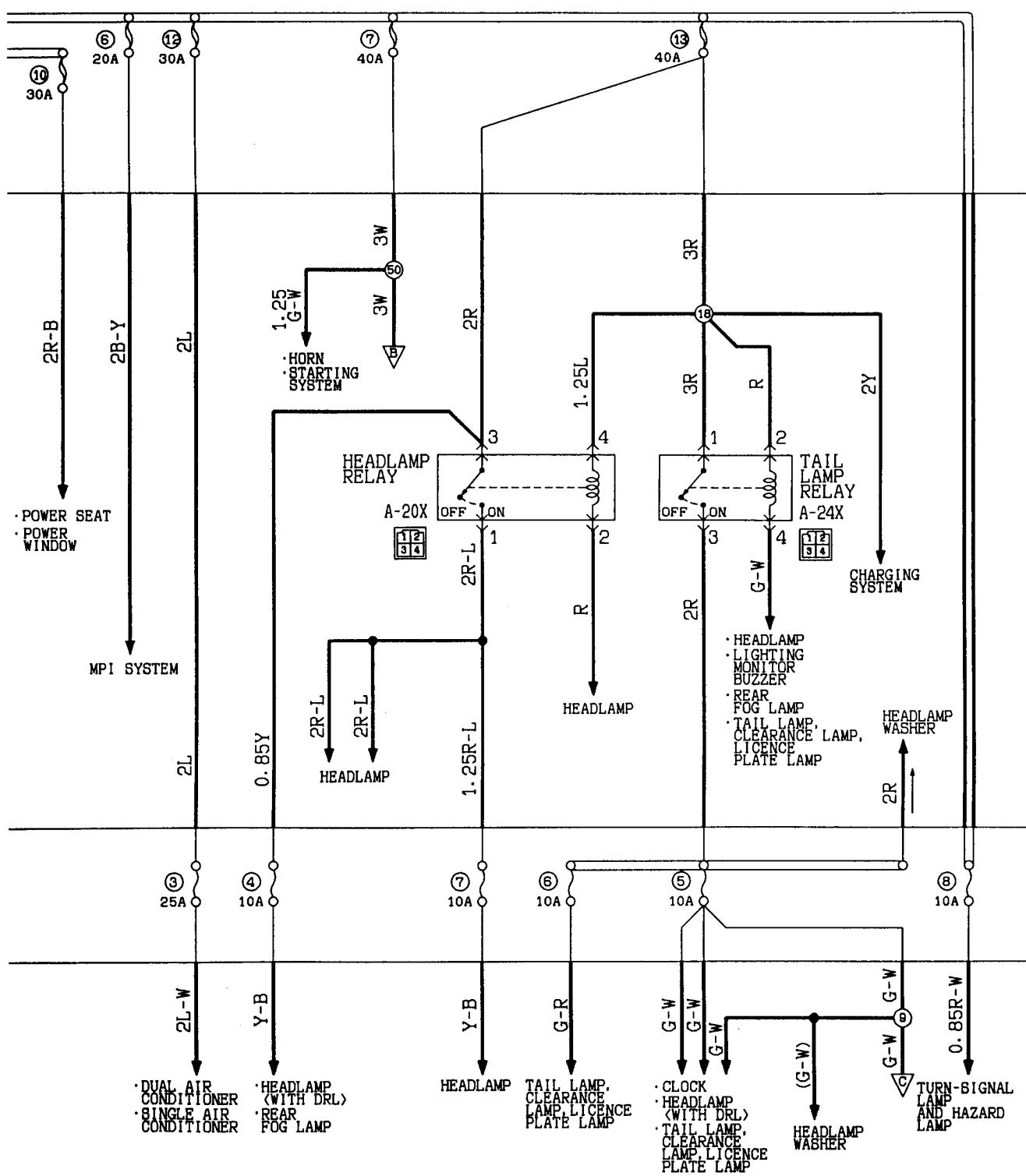
16E0600

POWER DISTRIBUTION SYSTEM
<Petrol-powered vehicles>

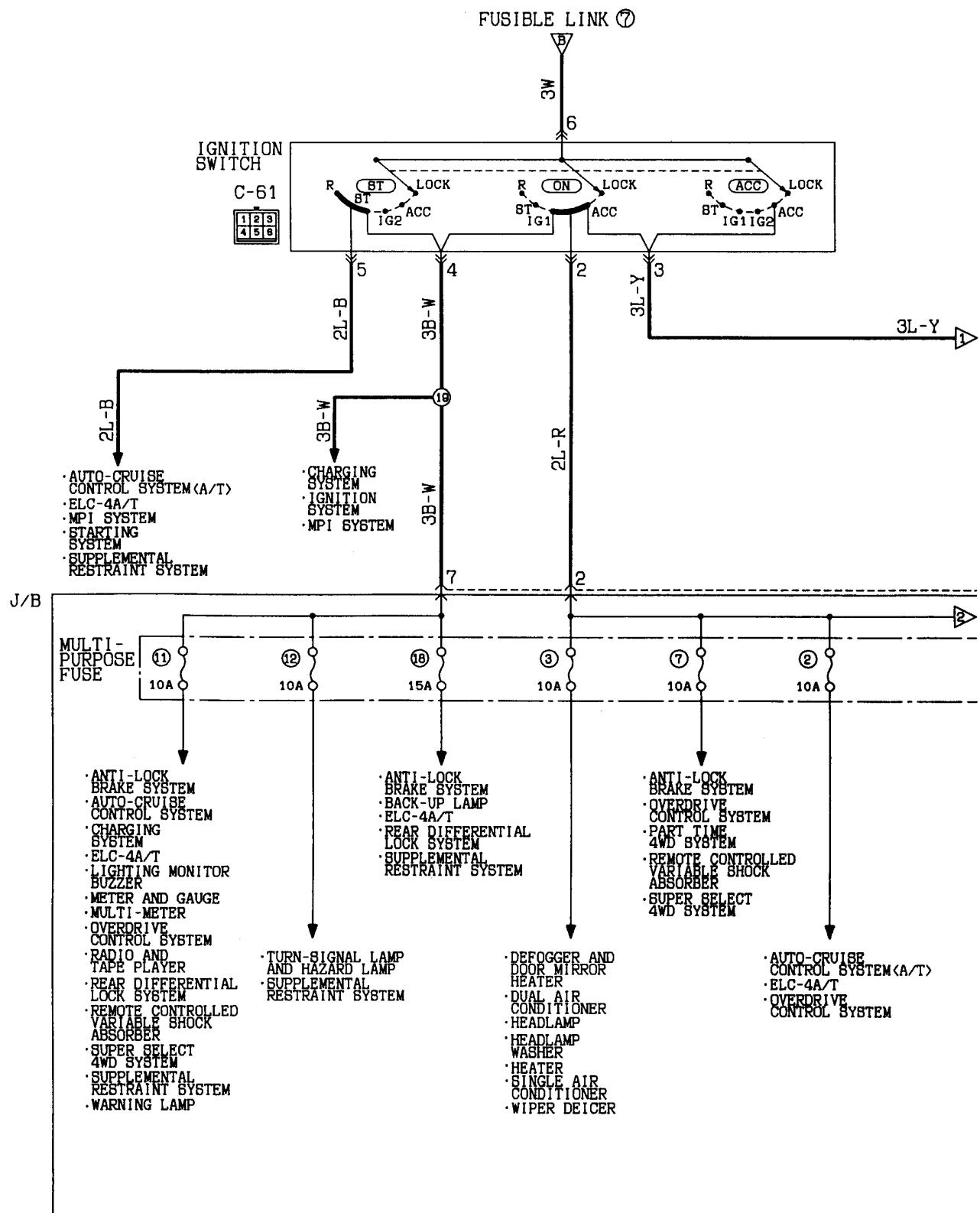


Wire colour code
 B:Black L:Light green G:Green I:Blue W:White Y:Yellow BB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

FUSIBLE LINK

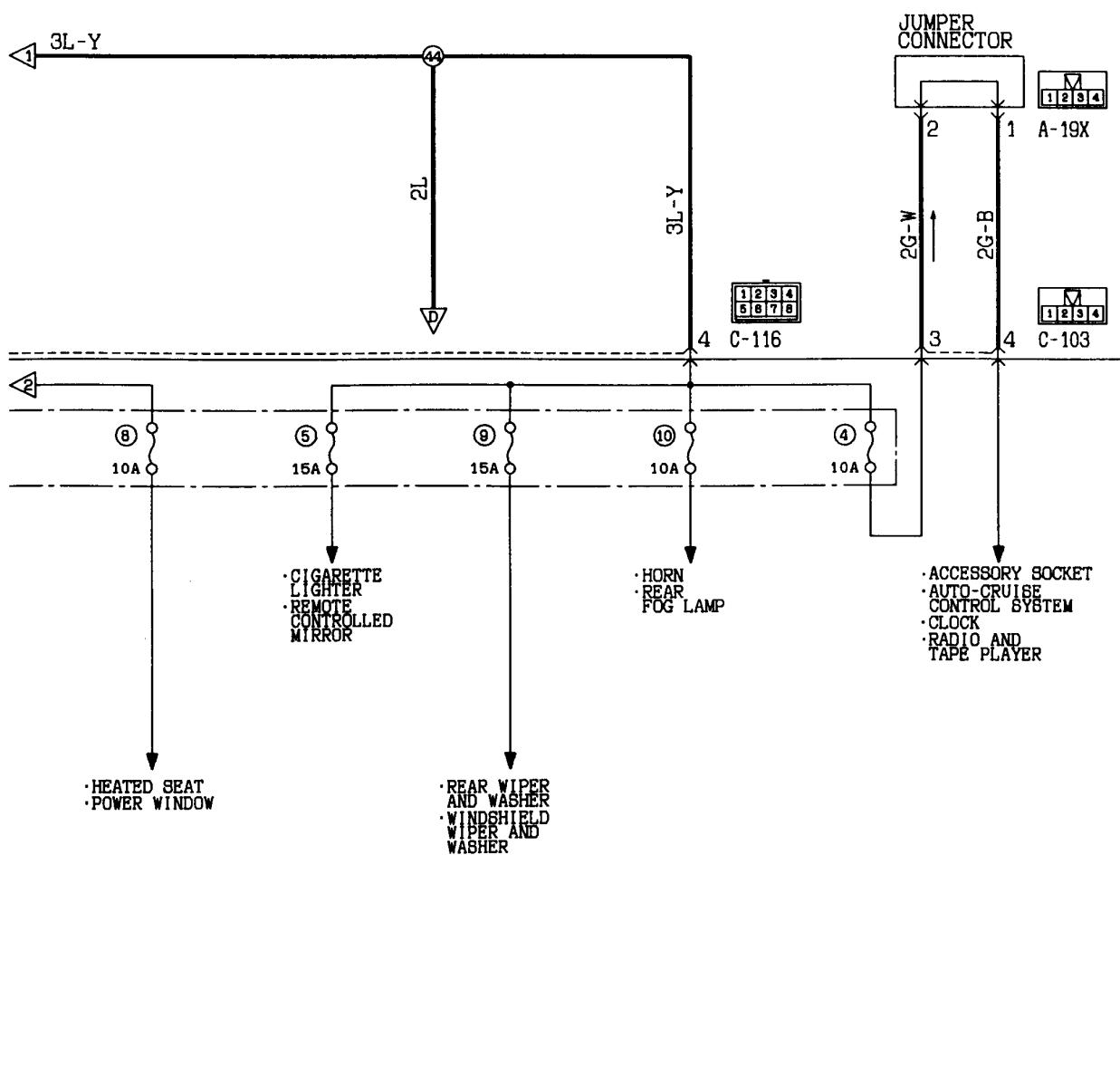


**POWER DISTRIBUTION SYSTEM<Petrol-powered vehicles>
(CONTINUED)**



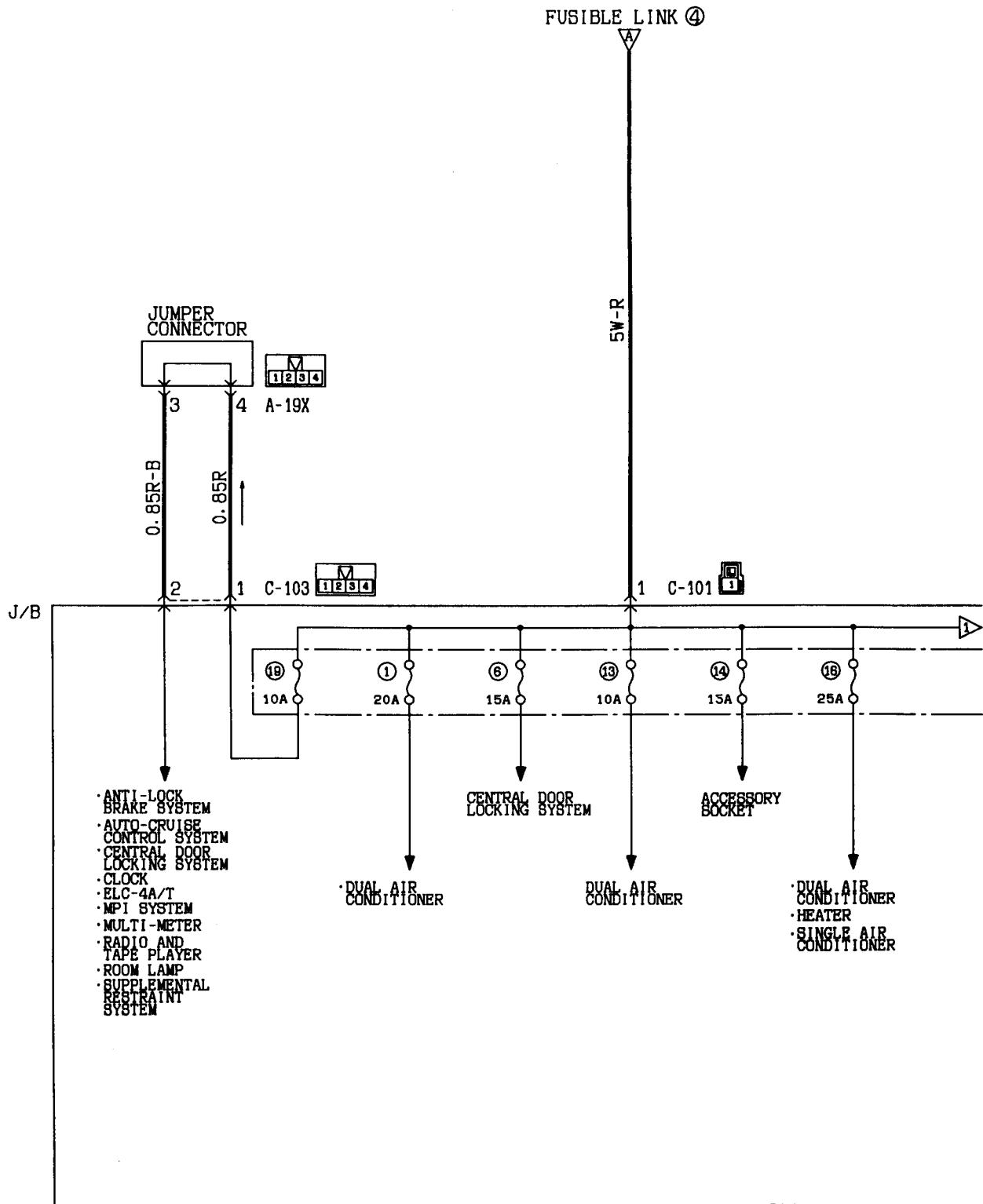
Remark

The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined.
Be sure trace the appropriate circuit depending on the ignition key position.



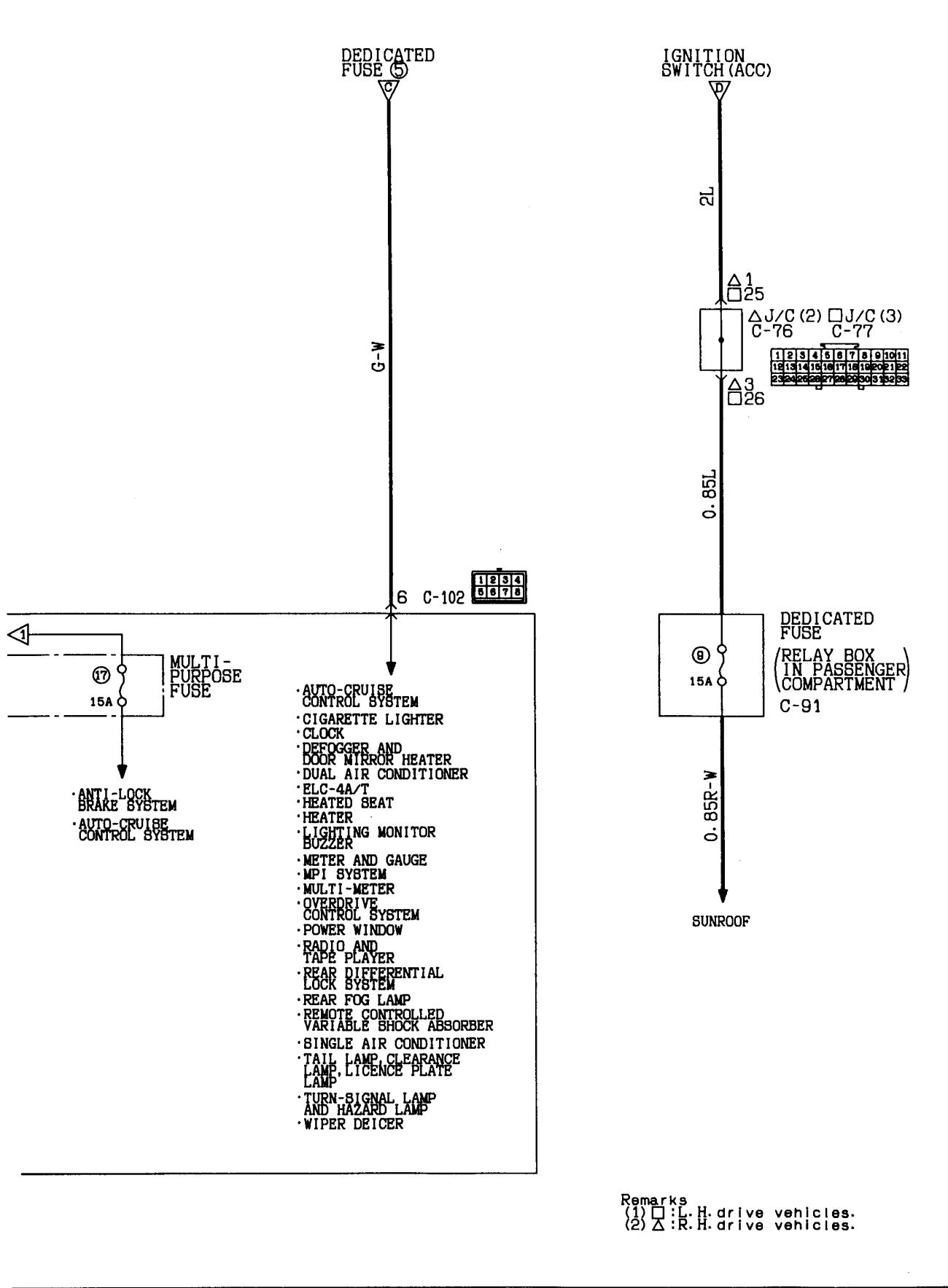
Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

**POWER DISTRIBUTION SYSTEM <Petrol-powered vehicles>
(CONTINUED)**

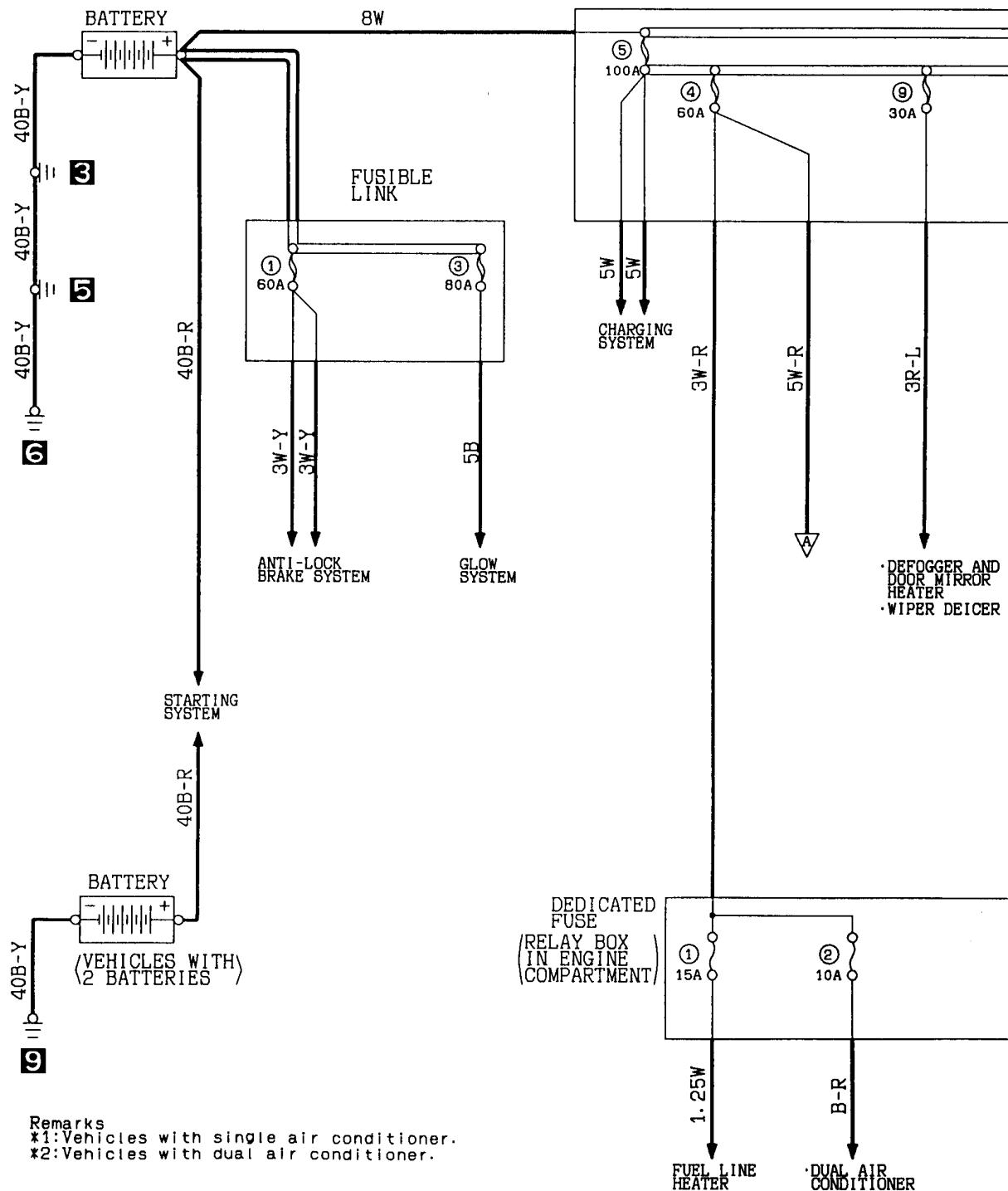


Wire colour code

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



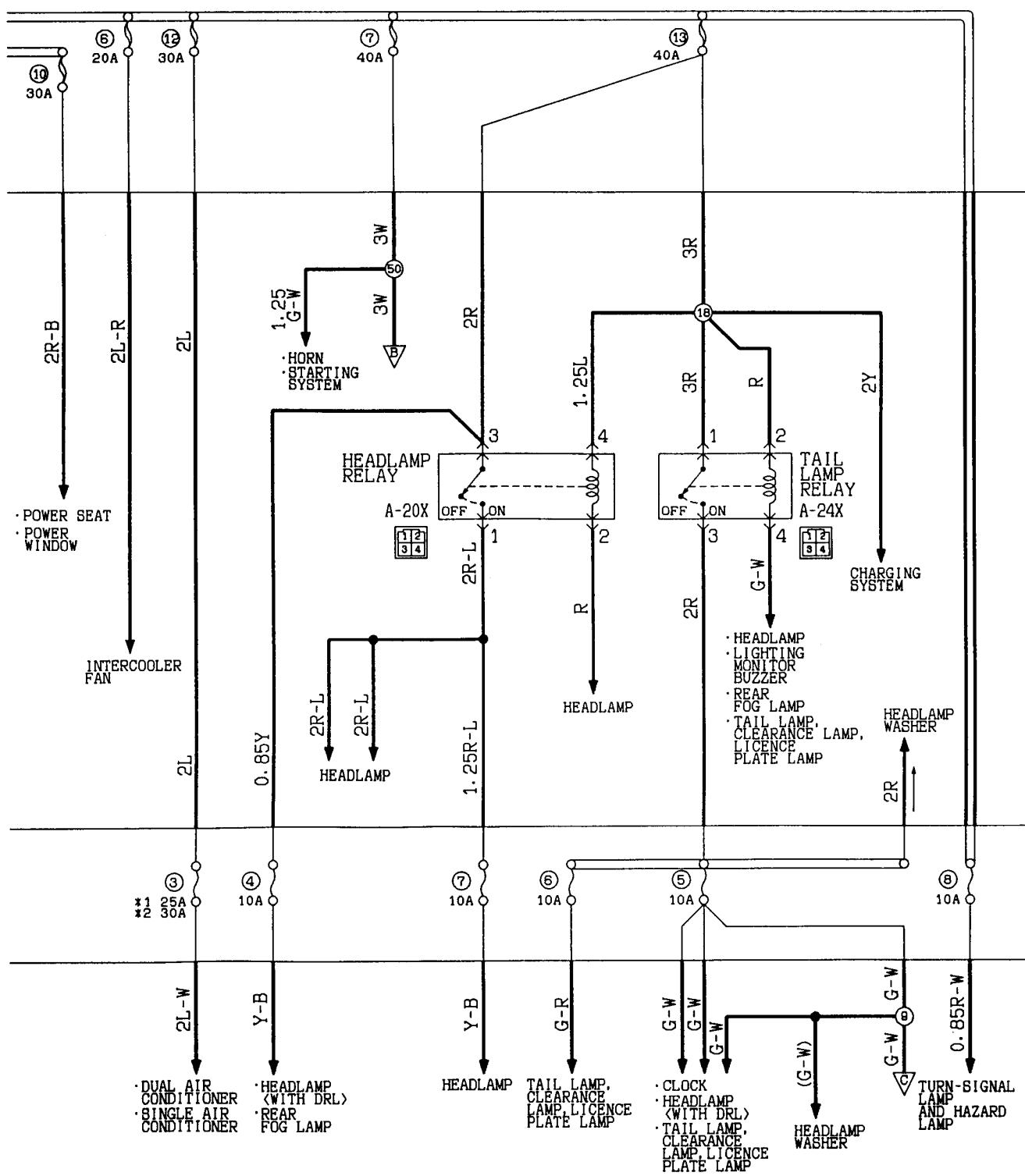
POWER DISTRIBUTION SYSTEM
<Diesel-powered vehicles>

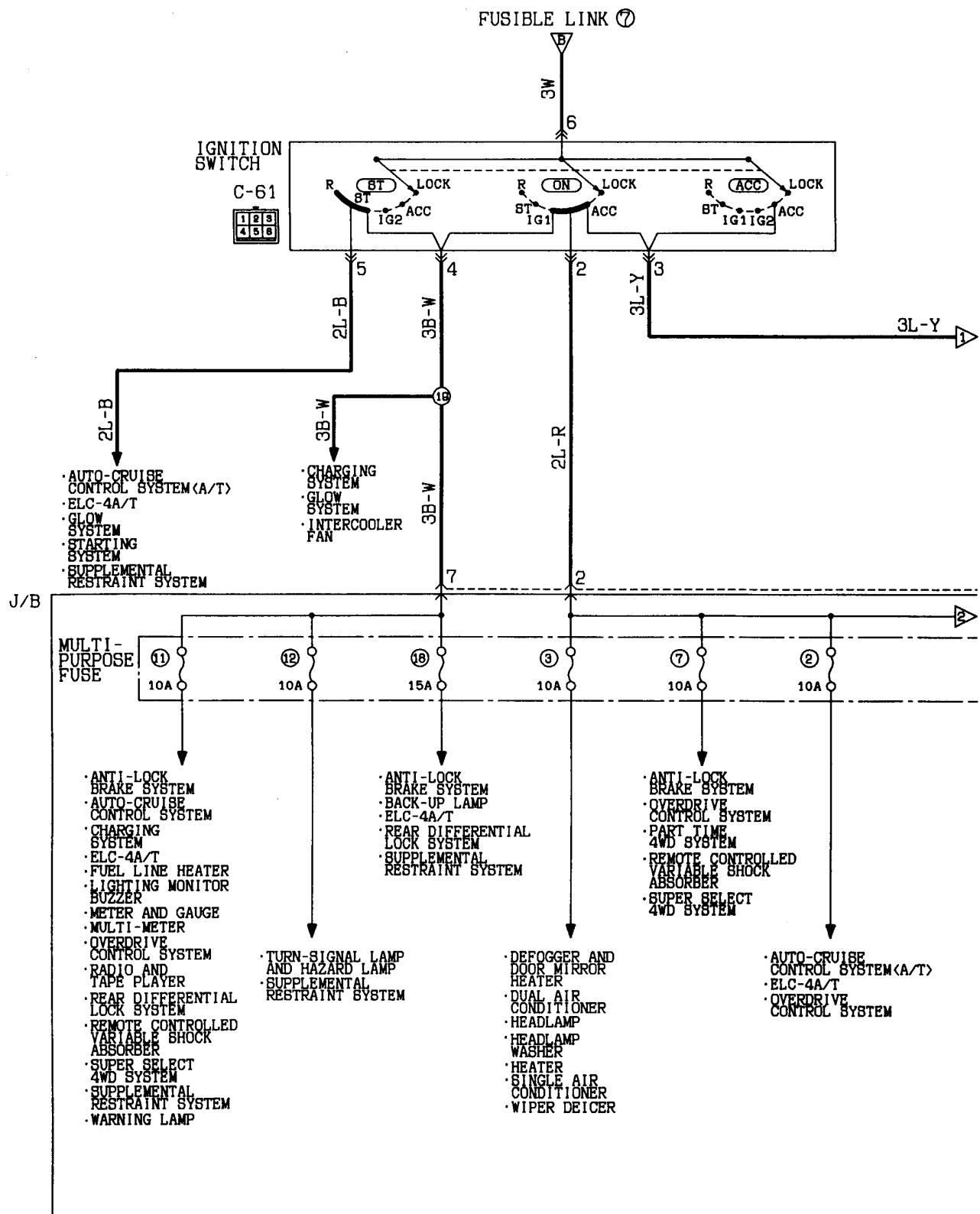


CIRCUIT DIAGRAM

4A-17

FUSIBLE LINK

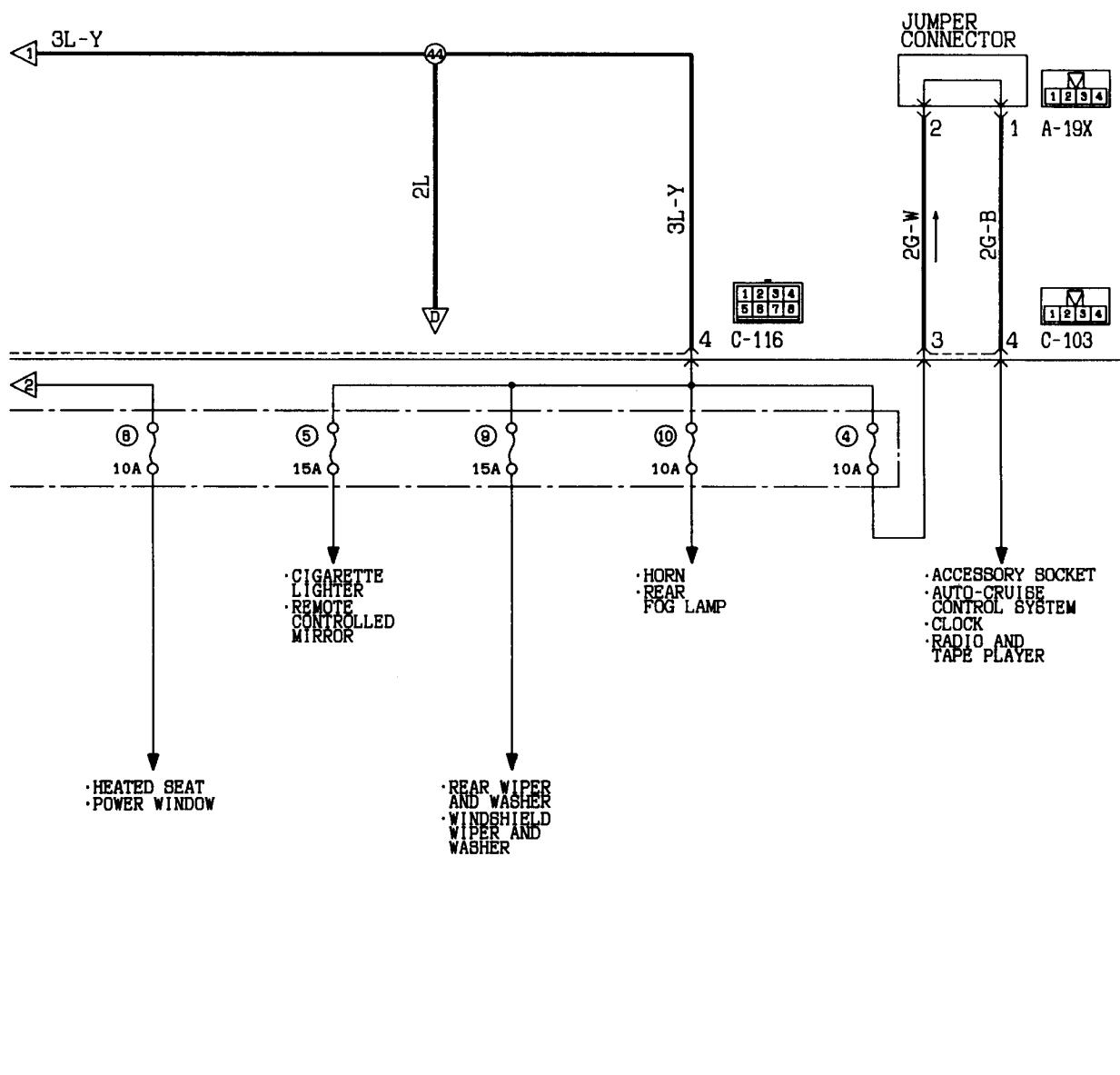


POWER DISTRIBUTION SYSTEM <Diesel-powered vehicles>
(CONTINUED)**Remark**

The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "BT" combined.
Be sure trace the appropriate circuit depending on the ignition key position.

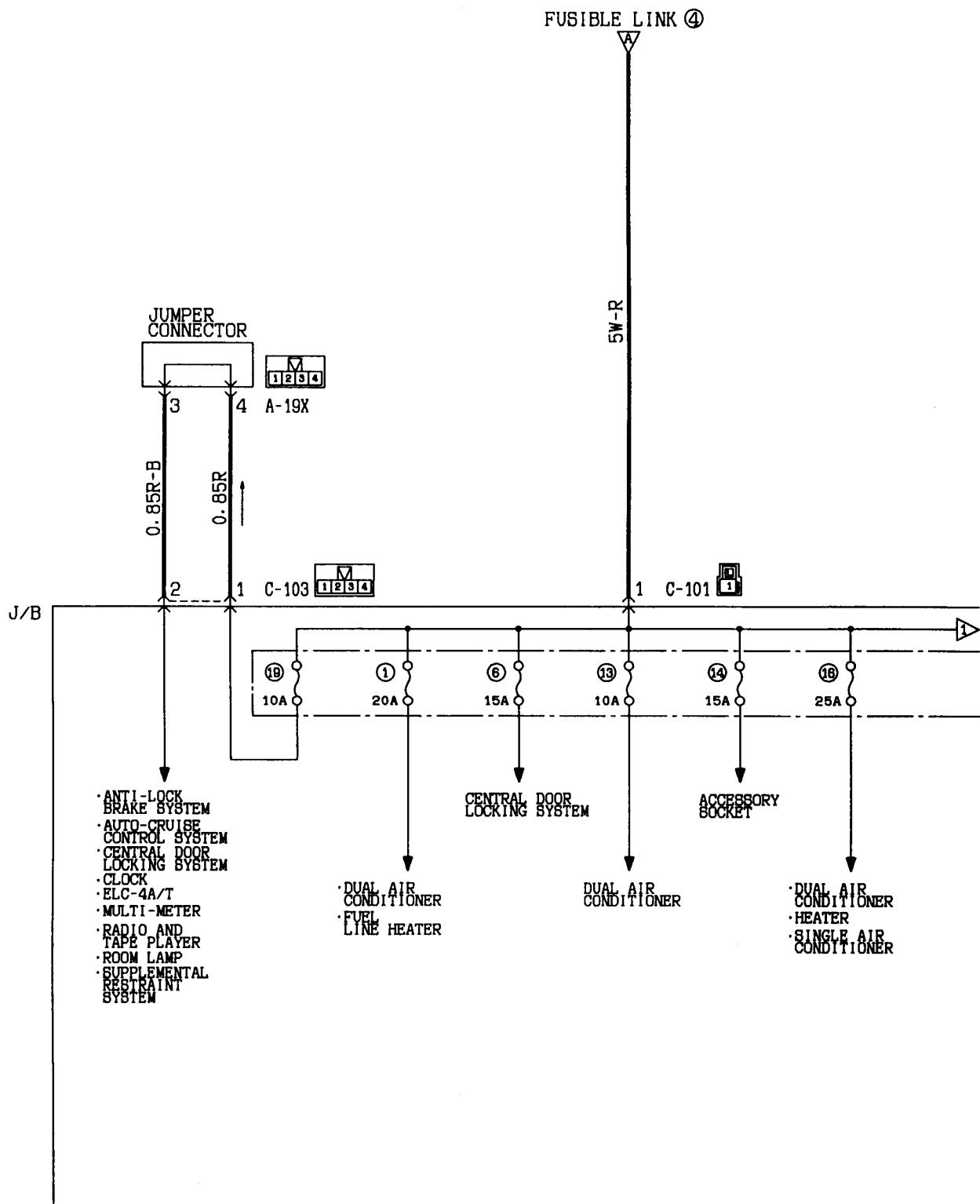
CIRCUIT DIAGRAM

4A-19



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

**POWER DISTRIBUTION SYSTEM <Diesel-powered vehicles>
(CONTINUED)**

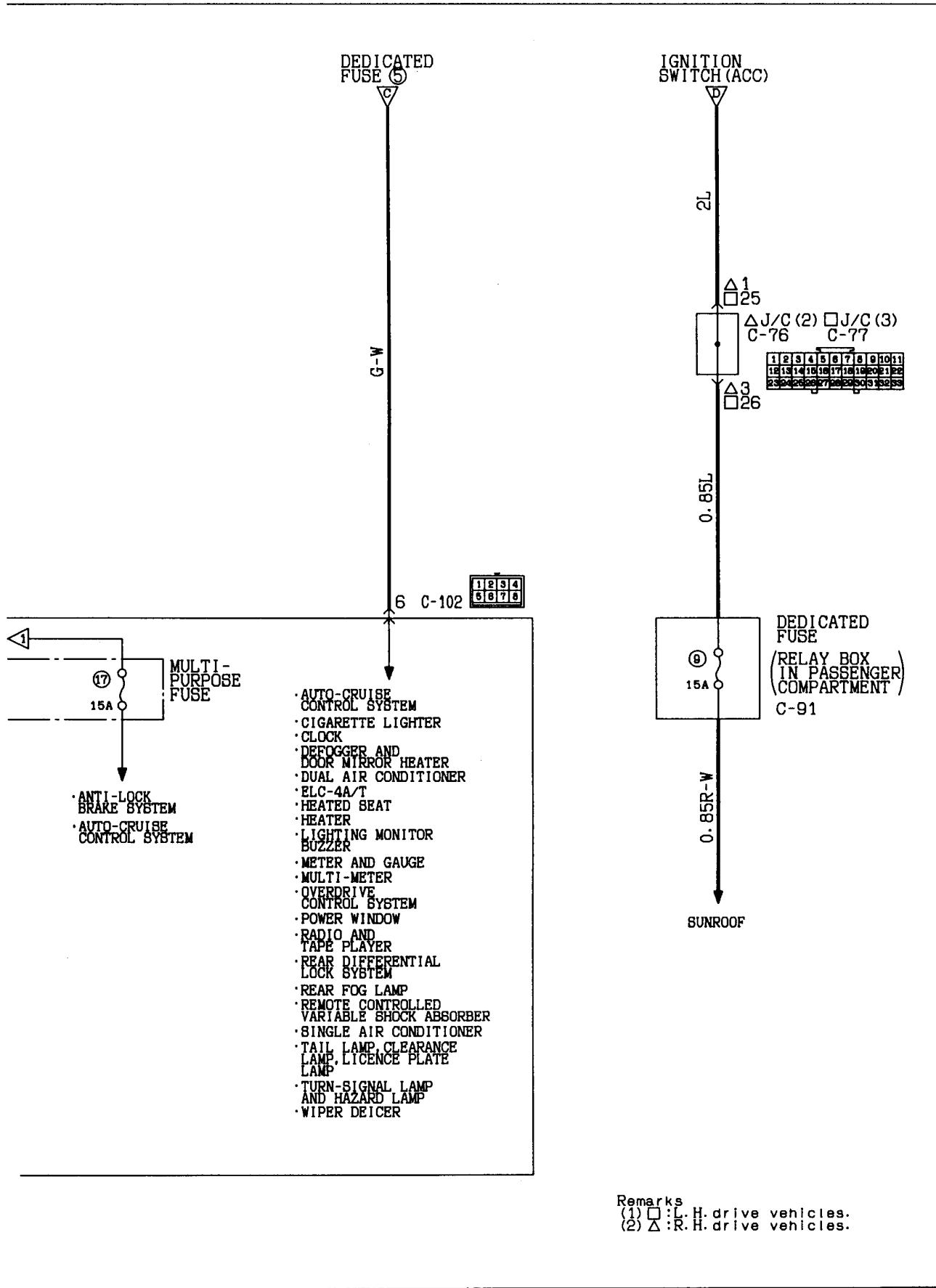


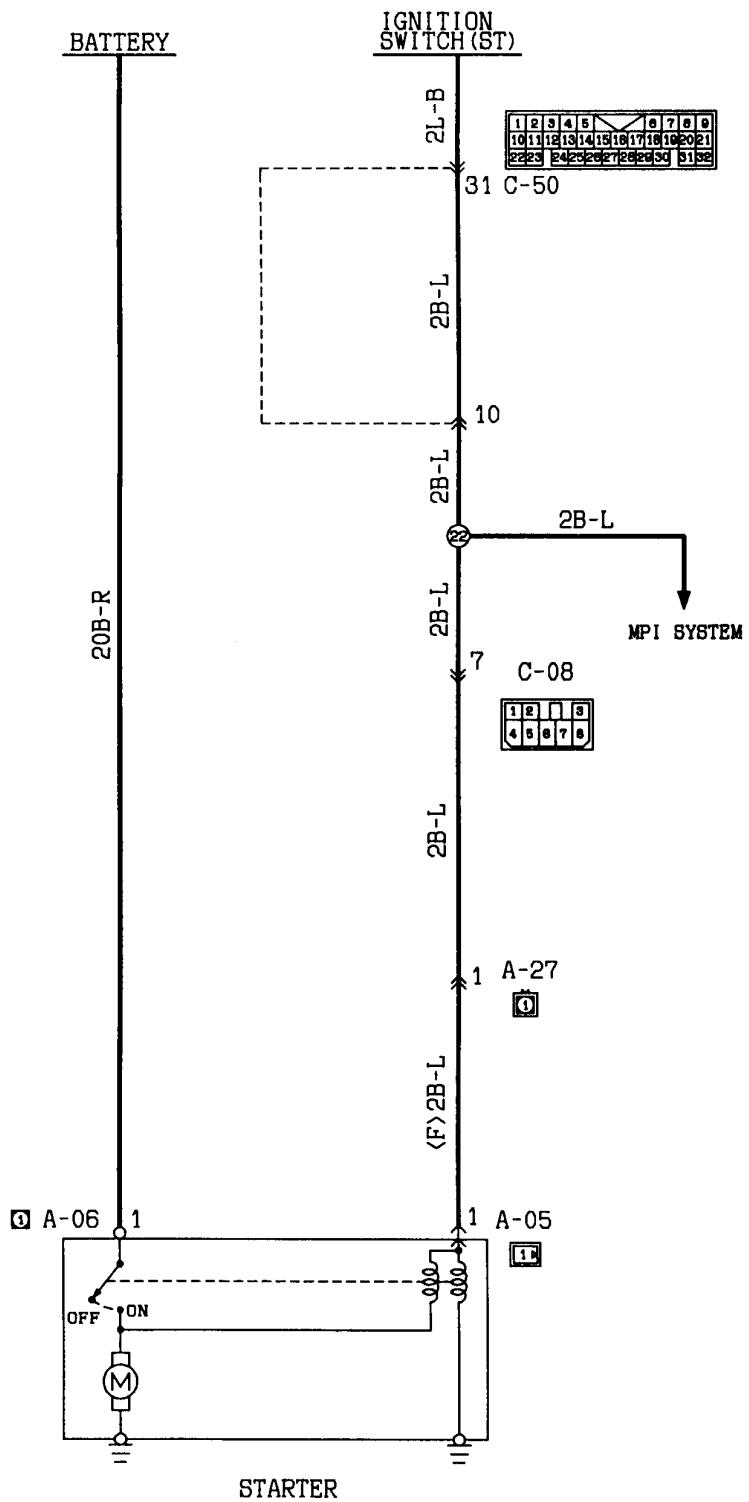
Wire colour code
B:Black LG:Light green G:Green I:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

KX35-AC-00104B-EC

CIRCUIT DIAGRAM

4A-21

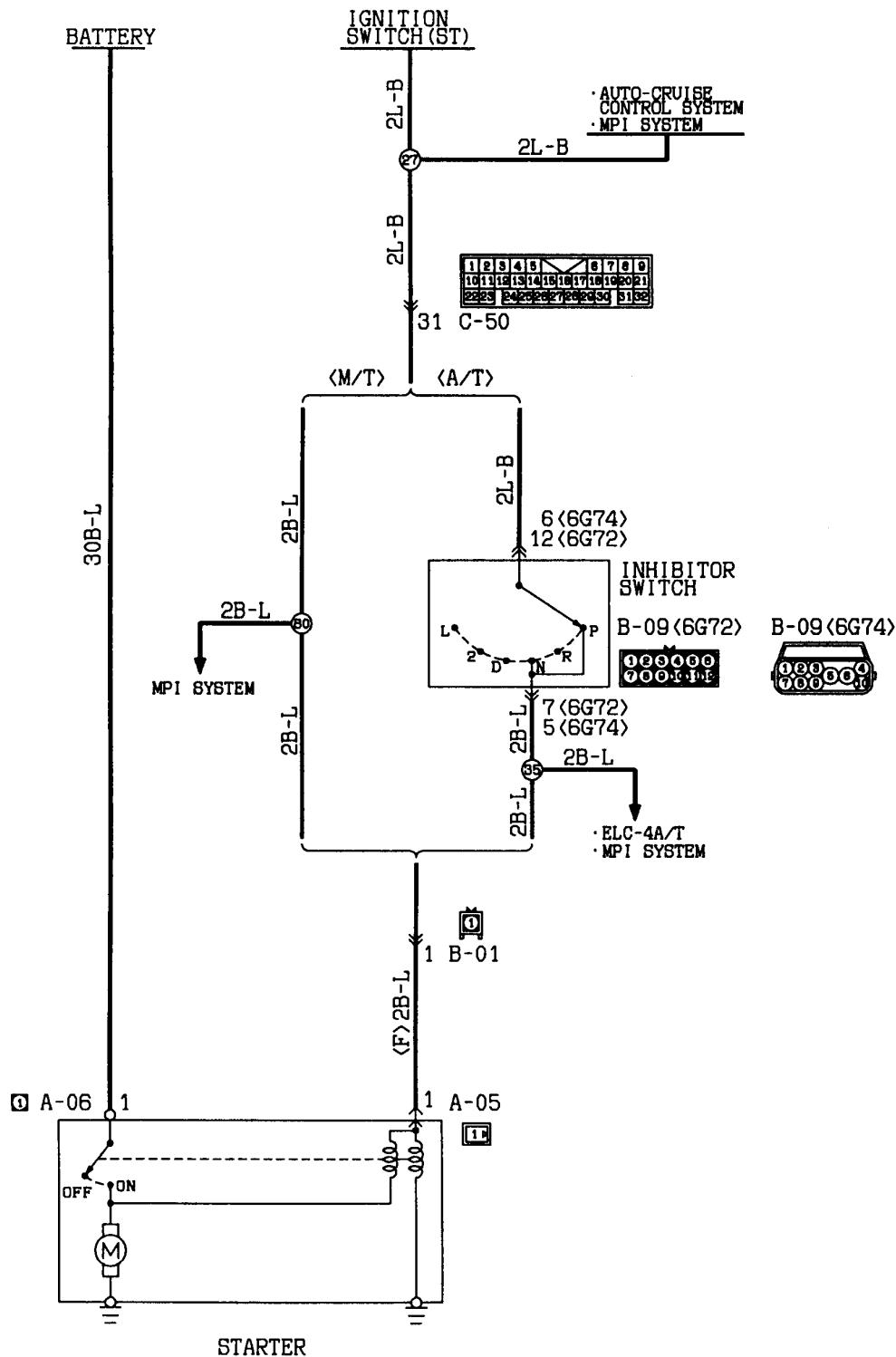


STARTING SYSTEM
4G64 engine


Wire colour code

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

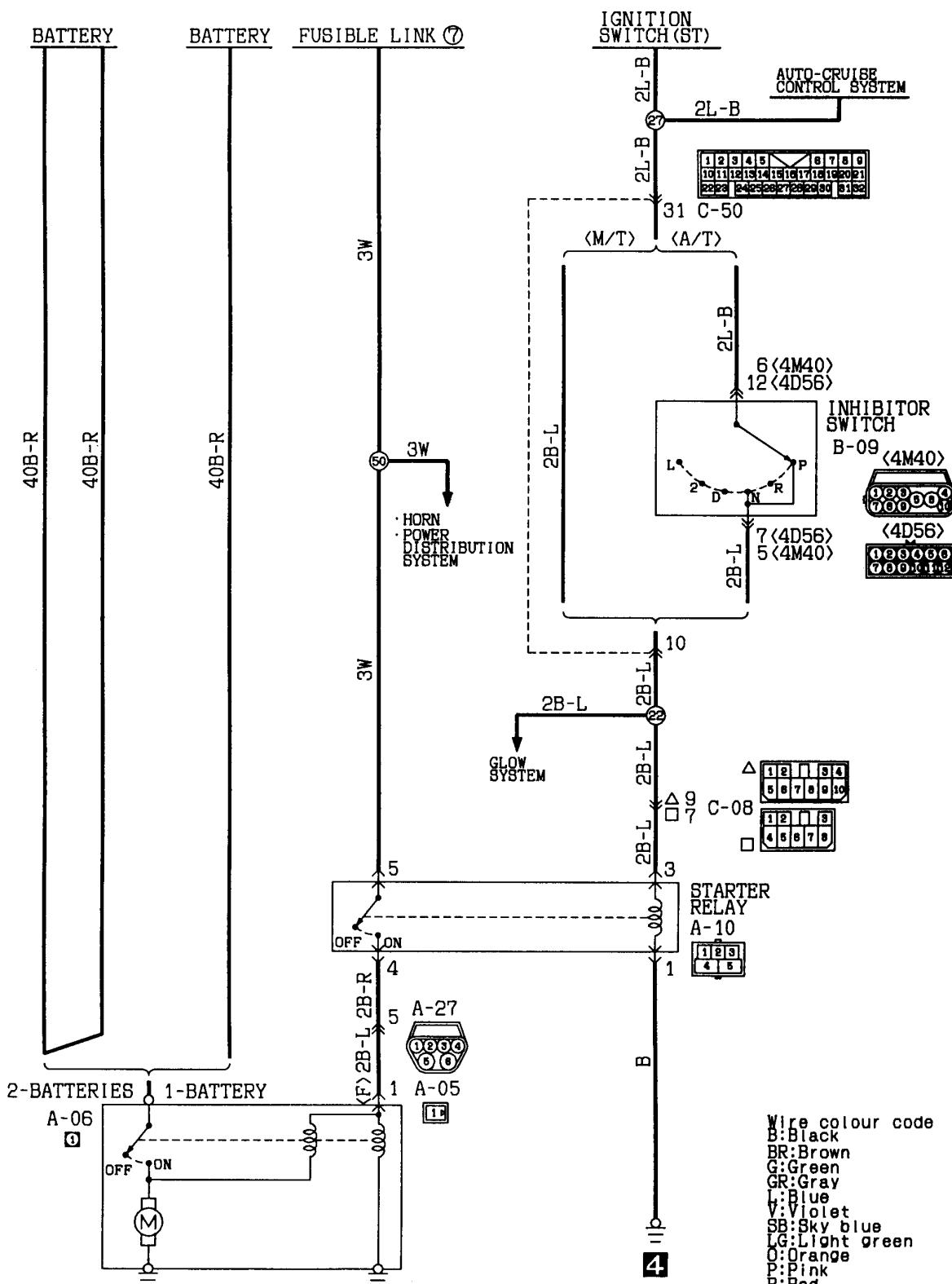
STARTING SYSTEM 6G72, 6G74 engine



Wire colour code

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

STARTING SYSTEM 4D56, 4M40 engine



STARTING SYSTEM (See P. 4A-22, 23, 24.)**OPERATION****⟨Petrol-powered vehicles⟩**

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

⟨Diesel-powered vehicles⟩

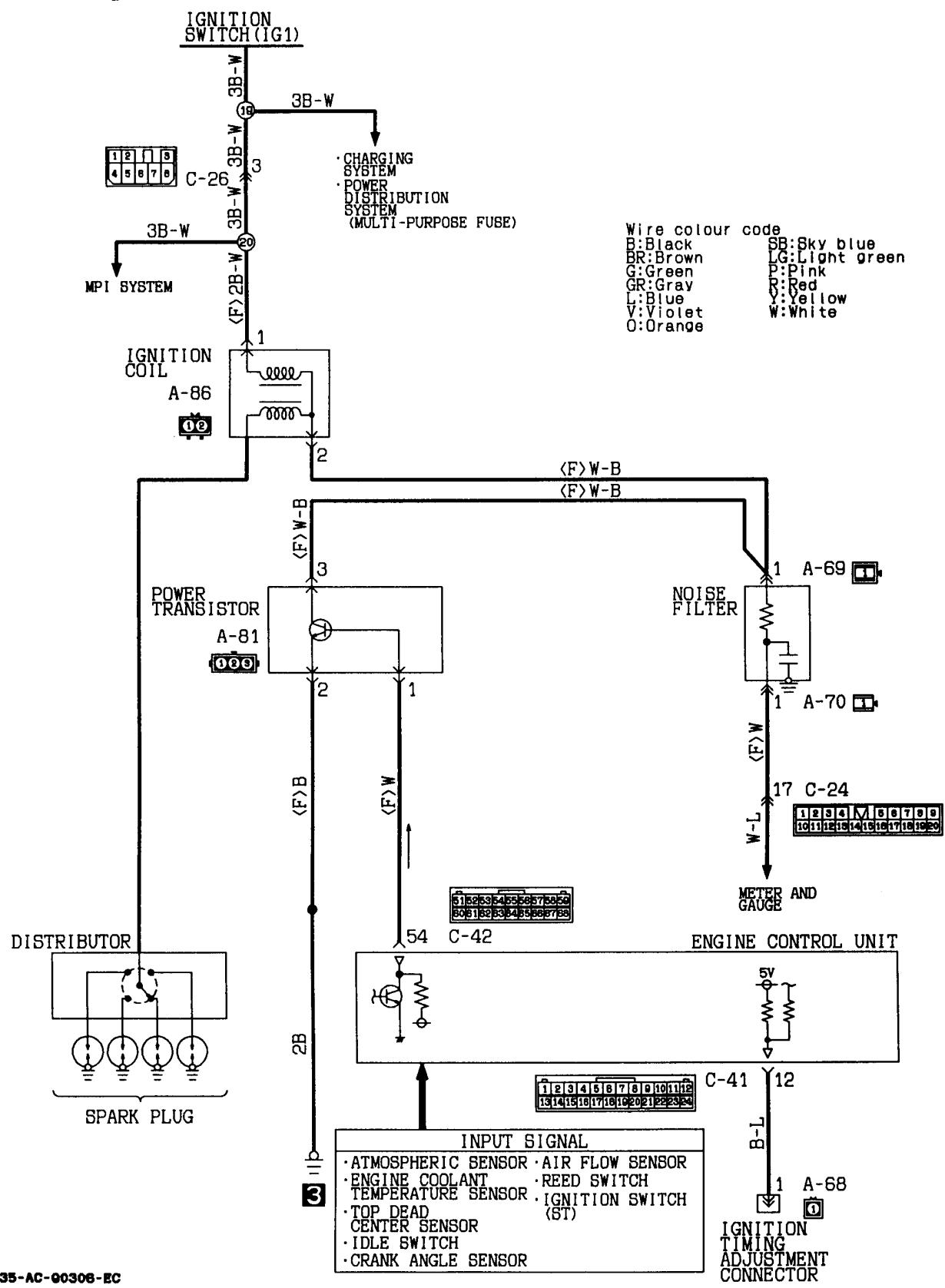
- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position, the starter relay becomes on. This will turn on the contacts of the starter (magnetic switch) to revolve the starter motor.

TROUBLESHOOTING HINTS

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

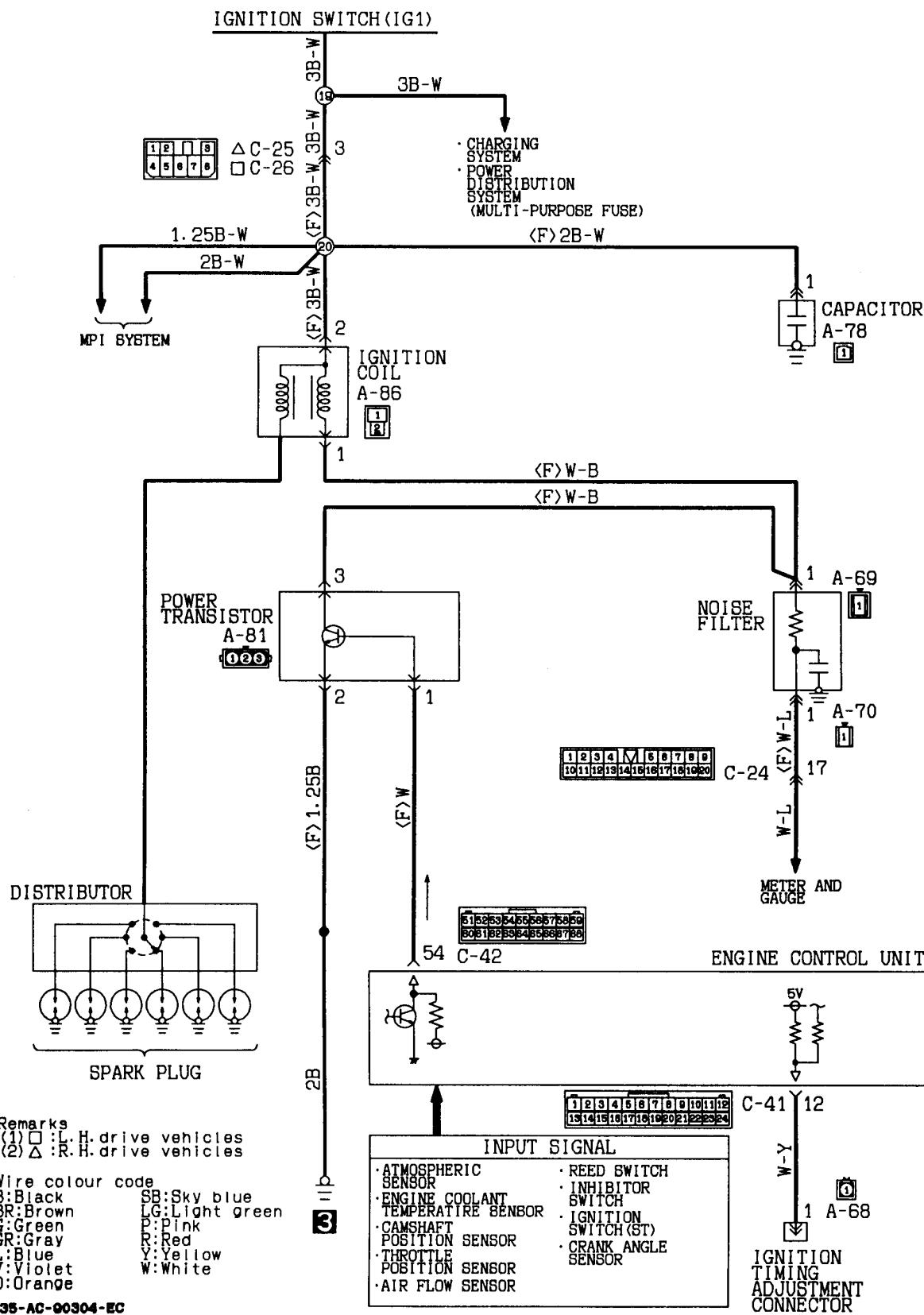
IGNITION SYSTEM

4G64 engine

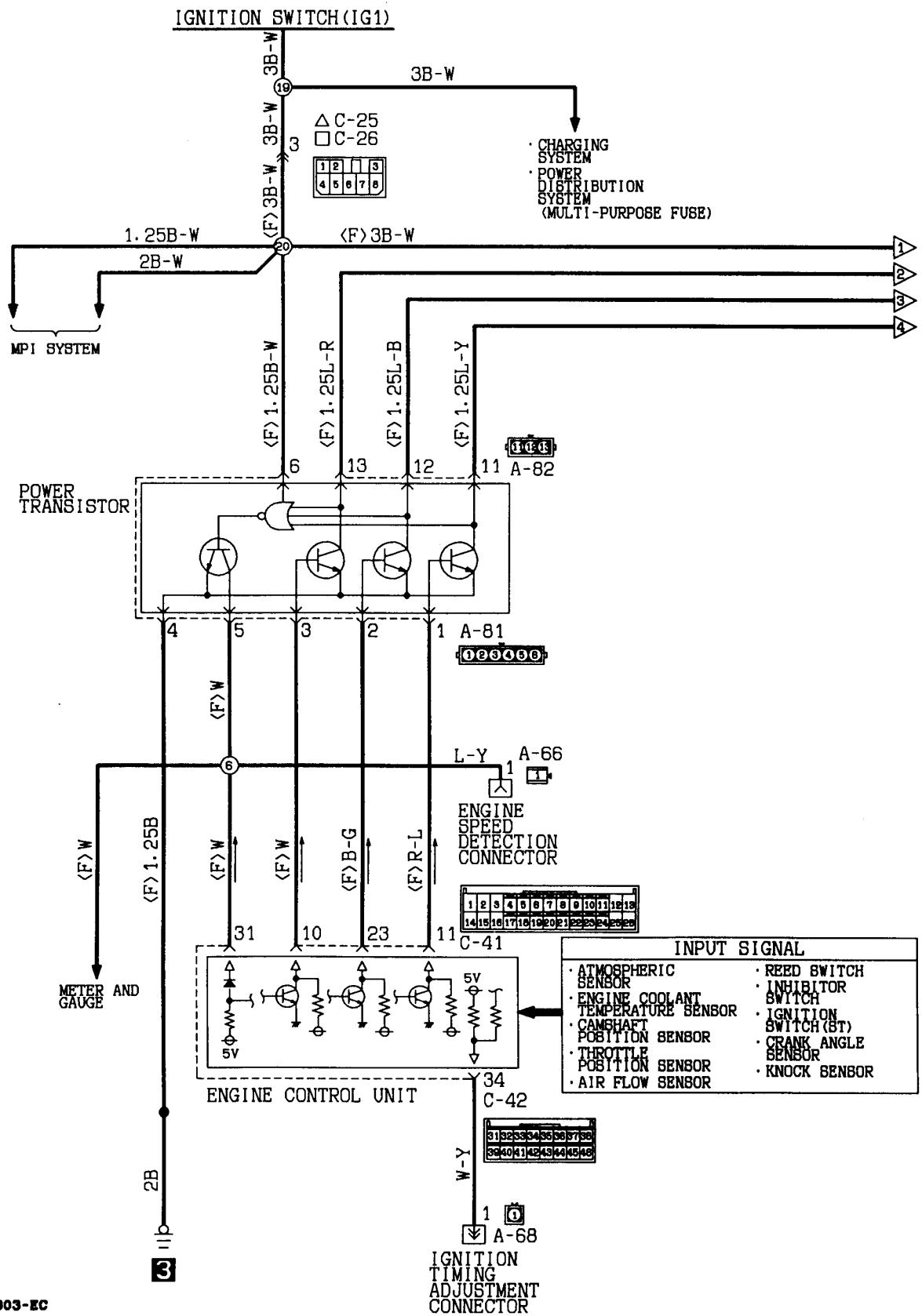


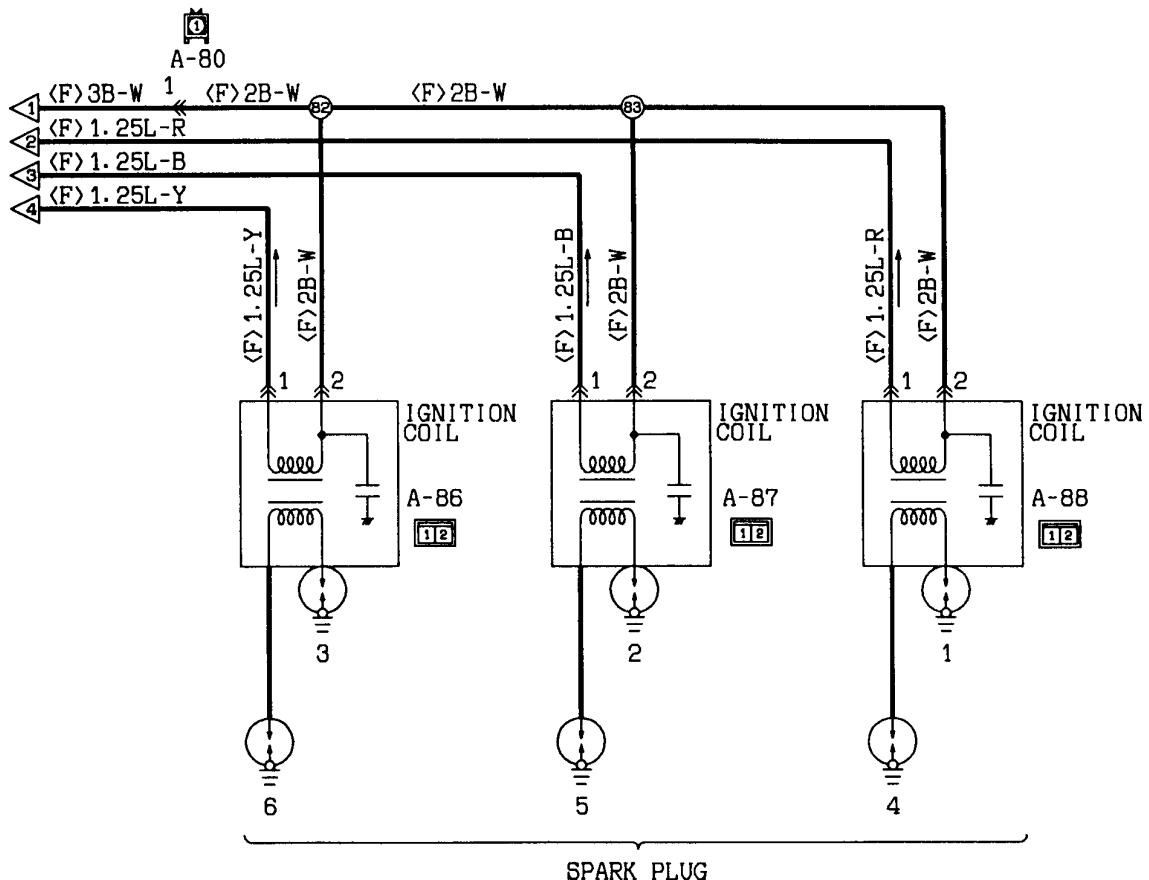
KX35-AC-00306-EC

IGNITION SYSTEM 6G72 engine



IGNITION SYSTEM 6G74 engine

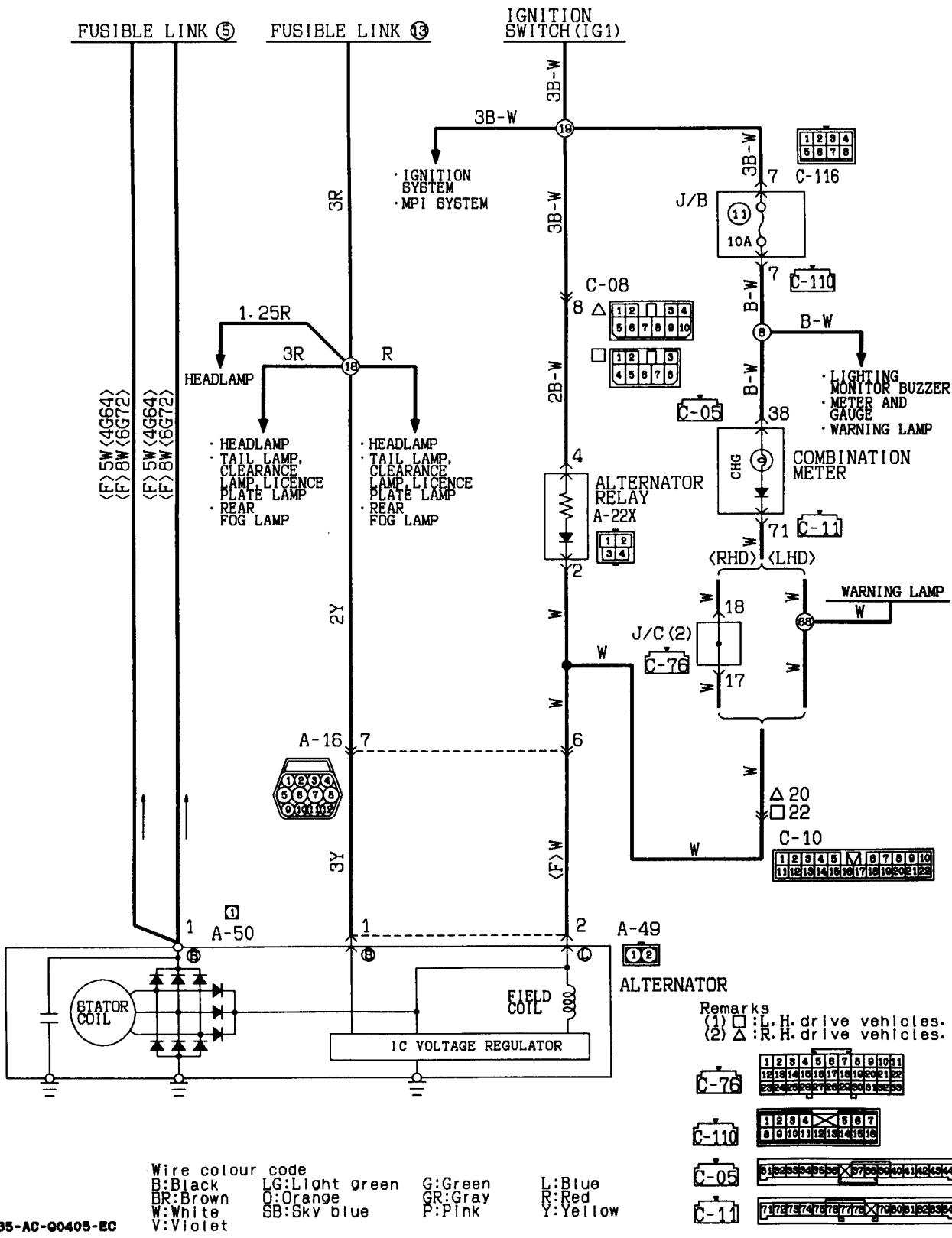




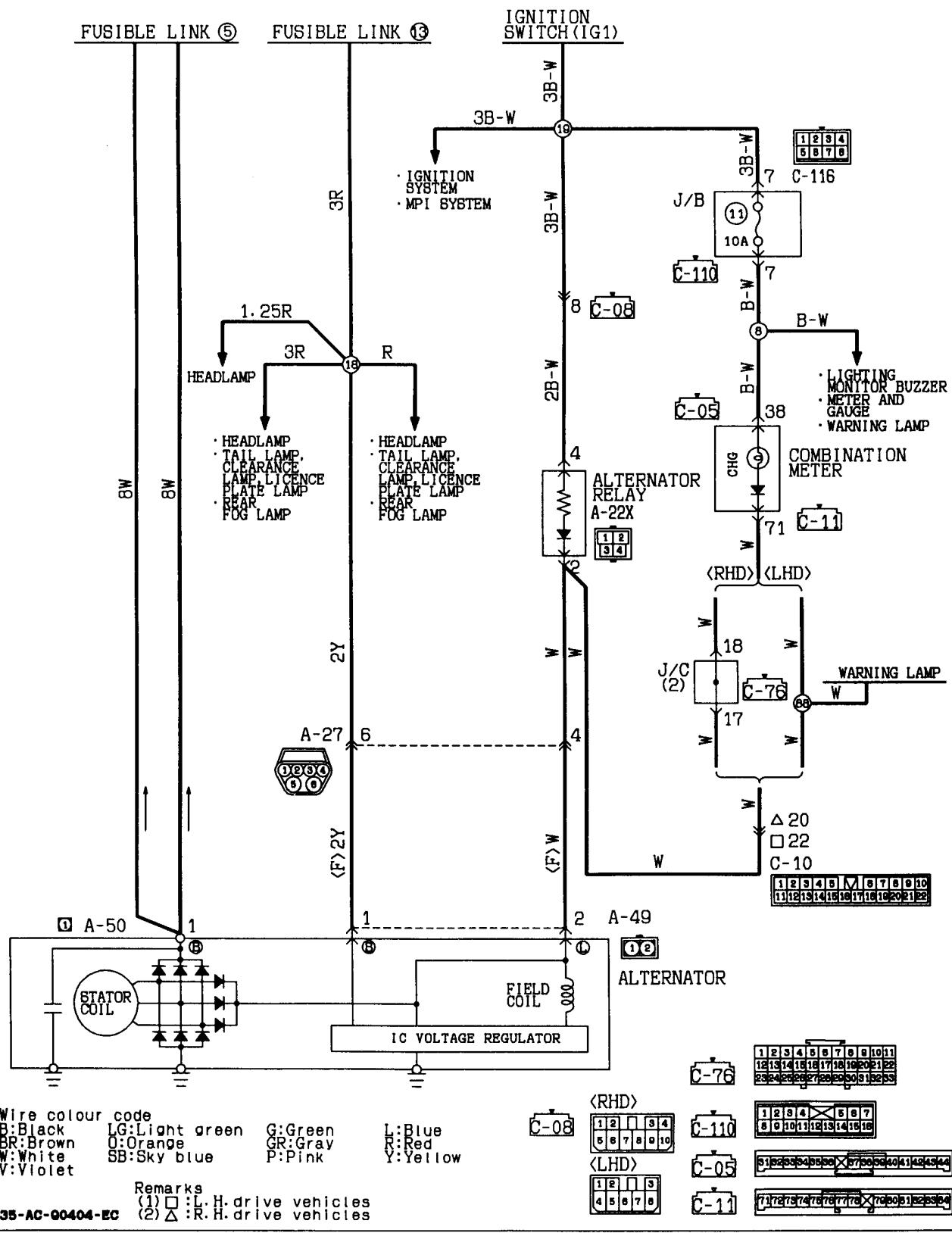
Remarks
 (1) □ : L. H. drive vehicles.
 (2) Δ : R. H. drive vehicles.

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

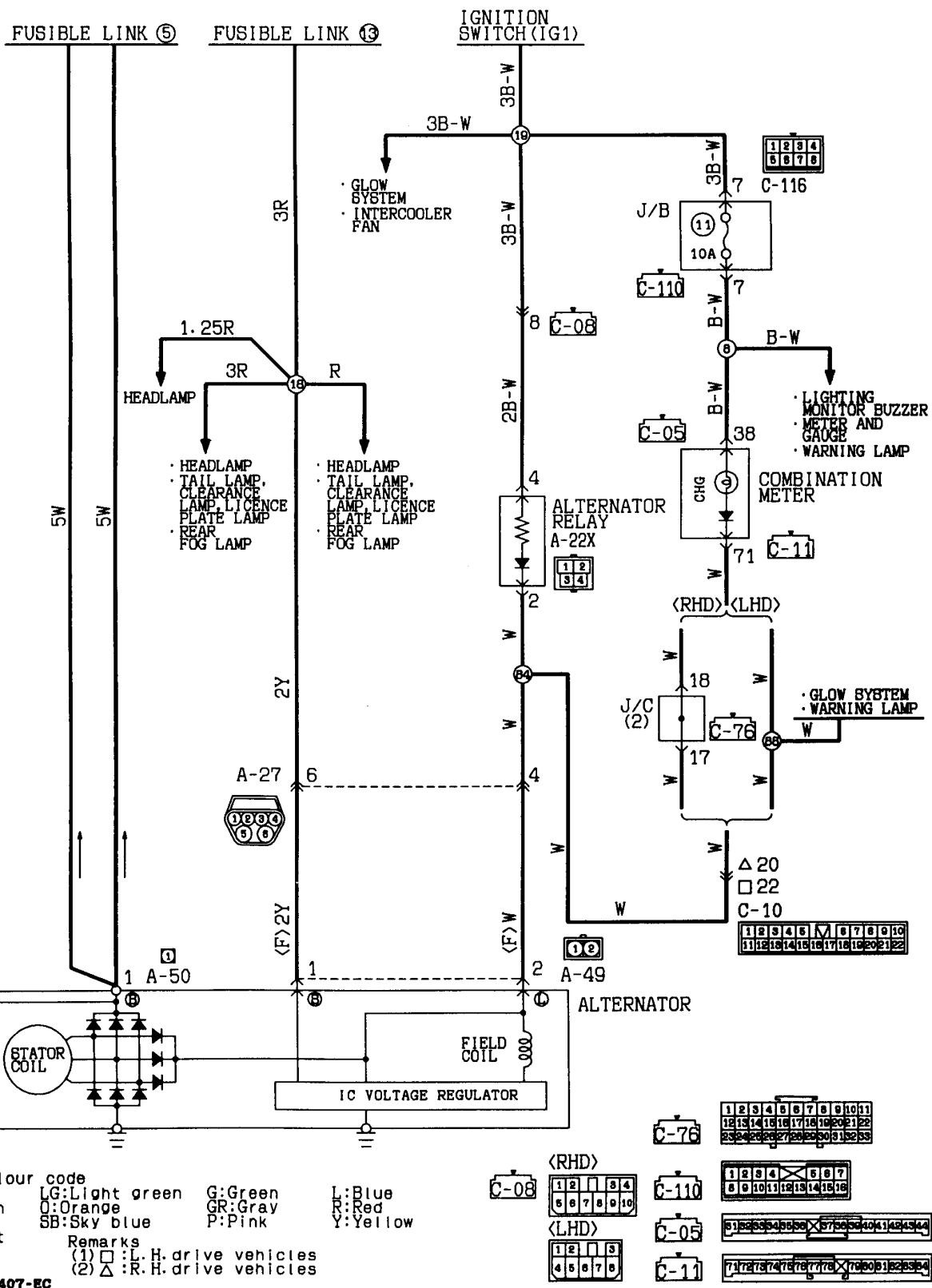
CHARGING SYSTEM 4G64, 6G72 engine



CHARGING SYSTEM 6G74 engine



CHARGING SYSTEM 4D56, 4M40 engine



CHARGING SYSTEM (See P. 4A-30, 31, 32.)**OPERATION****When engine is stationary**

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

When engine is started and after engine has started

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

Remark

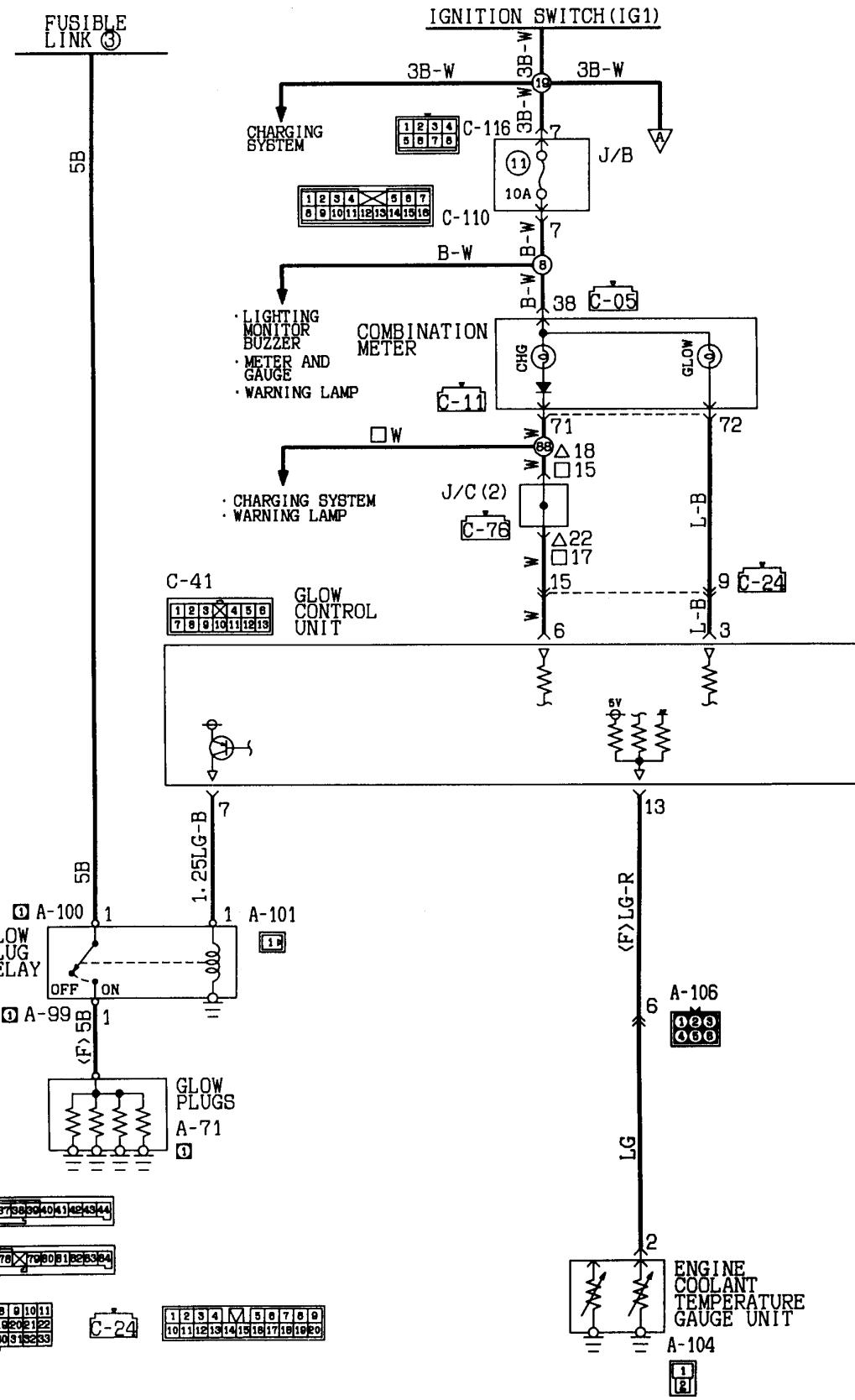
- The alternator relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

TROUBLESHOOTING HINTS

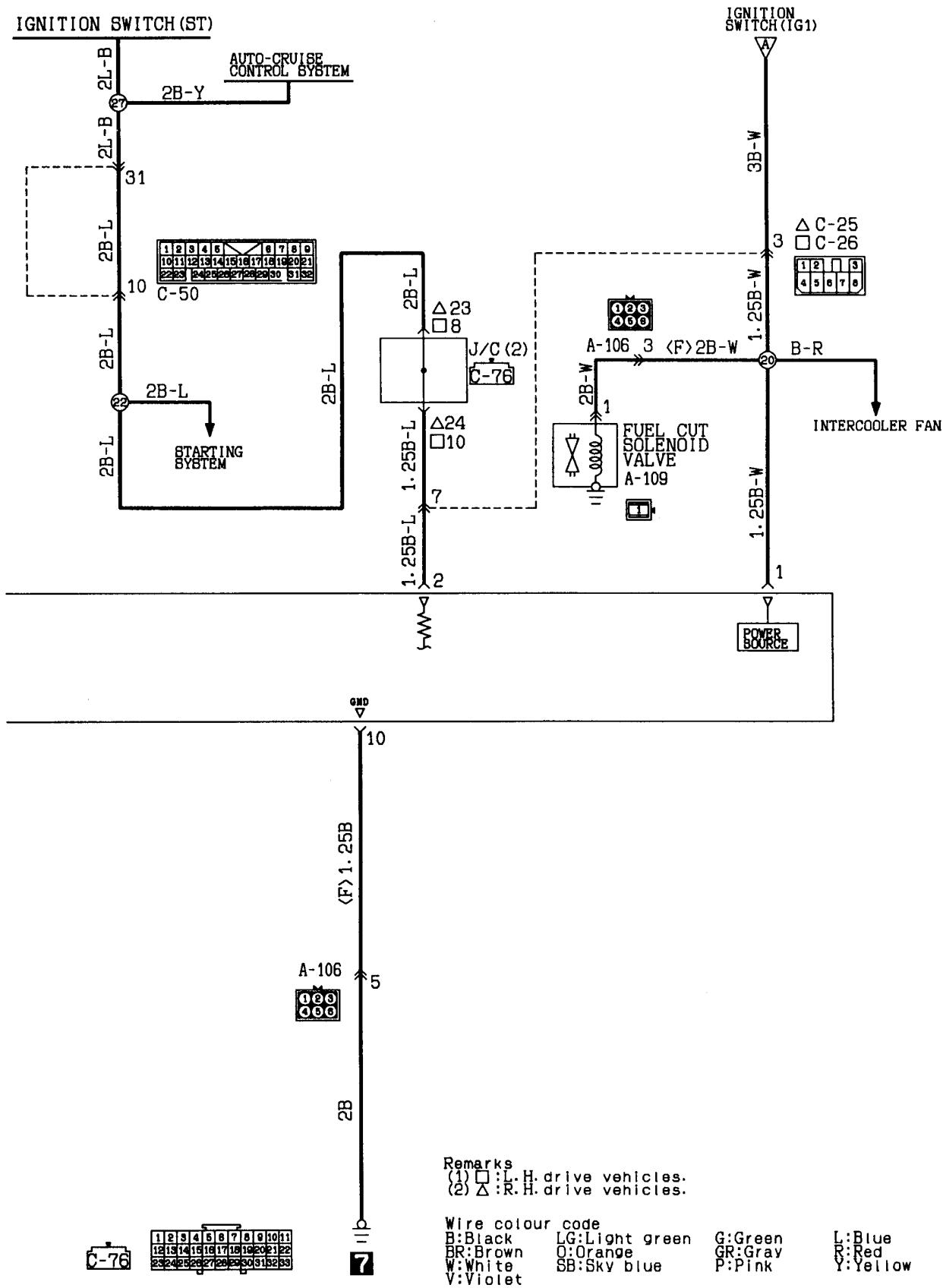
1. Charging indicator lamp does not go on when the ignition switch is turned to "ON", before the engine starts.
 - Check multi-purpose fuse No. ⑪.
 - Check the bulb.
2. Charging indicator lamp fails to go off once the engine starts.
 - Check voltage regulator of alternator.
3. Discharged or overcharged battery.
 - Check voltage regulator of alternator.
4. Charge warning lamp lights up dimly.
 - Check combination meter diode (for short).

GLOW SYSTEM

4D56 engine <Without supercharging pressure relief solenoid valve>

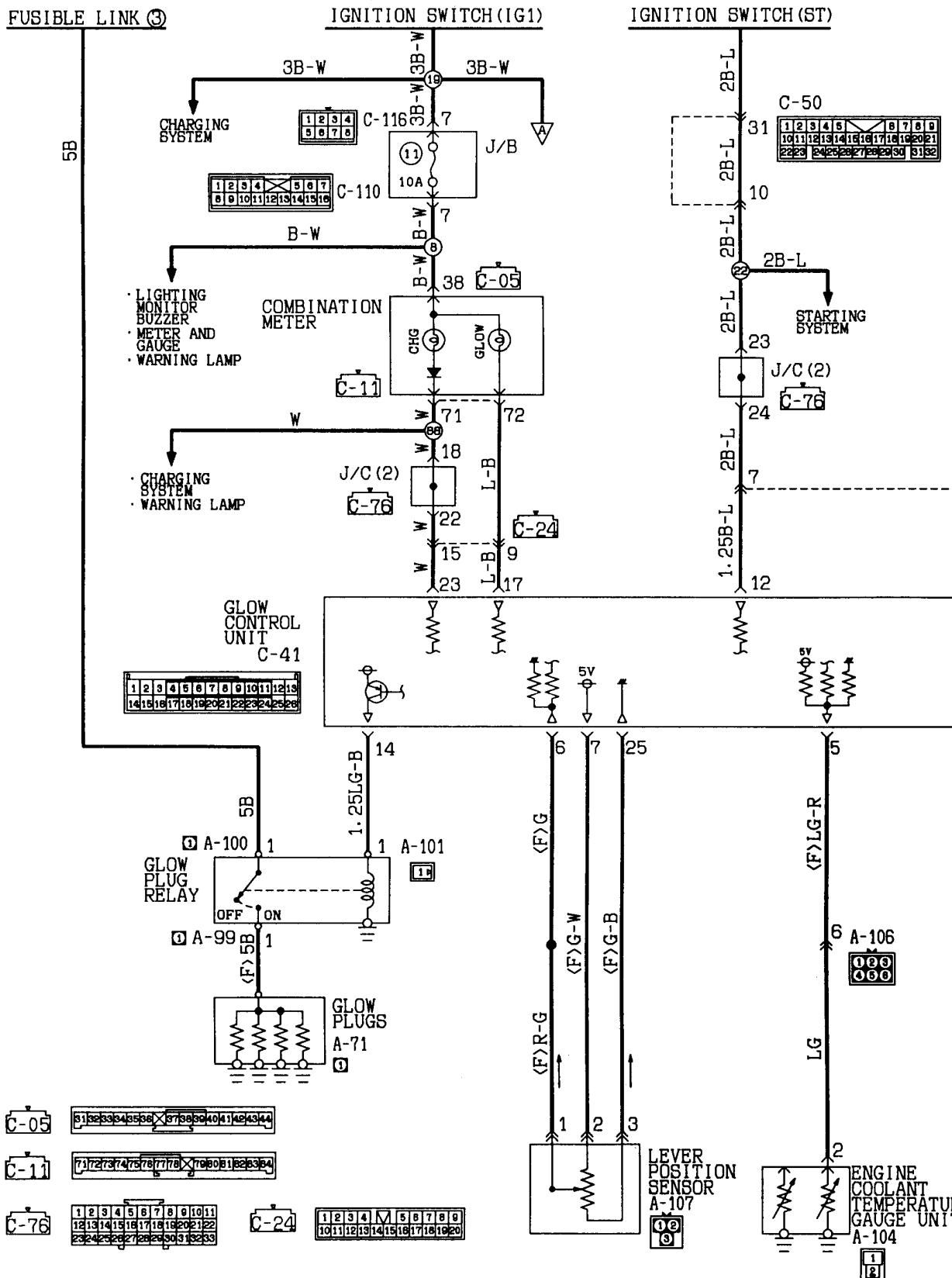


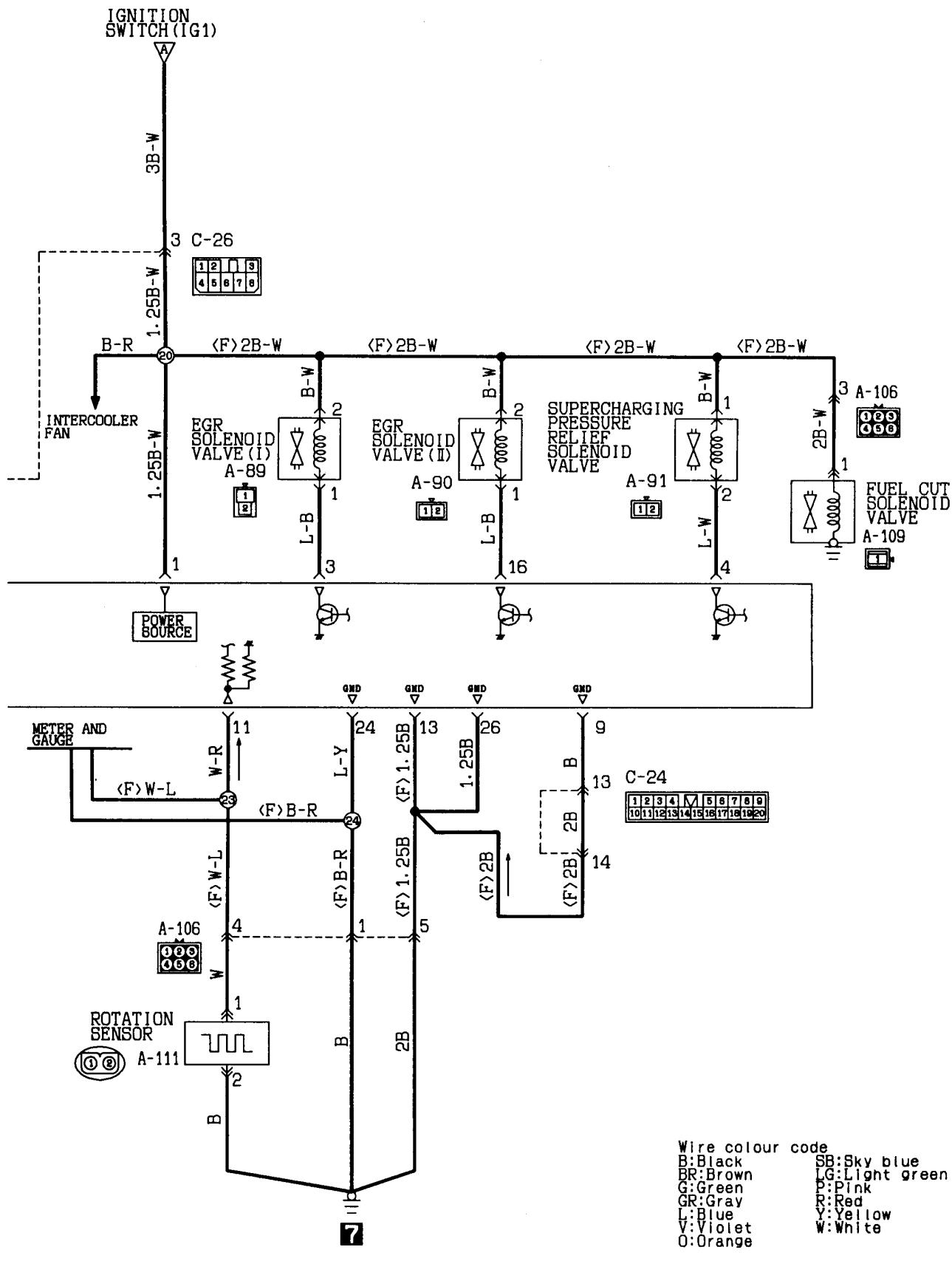
KX35-AC-00515-EC



GLOW SYSTEM

4D56 engine<With supercharging pressure relief solenoid valve>

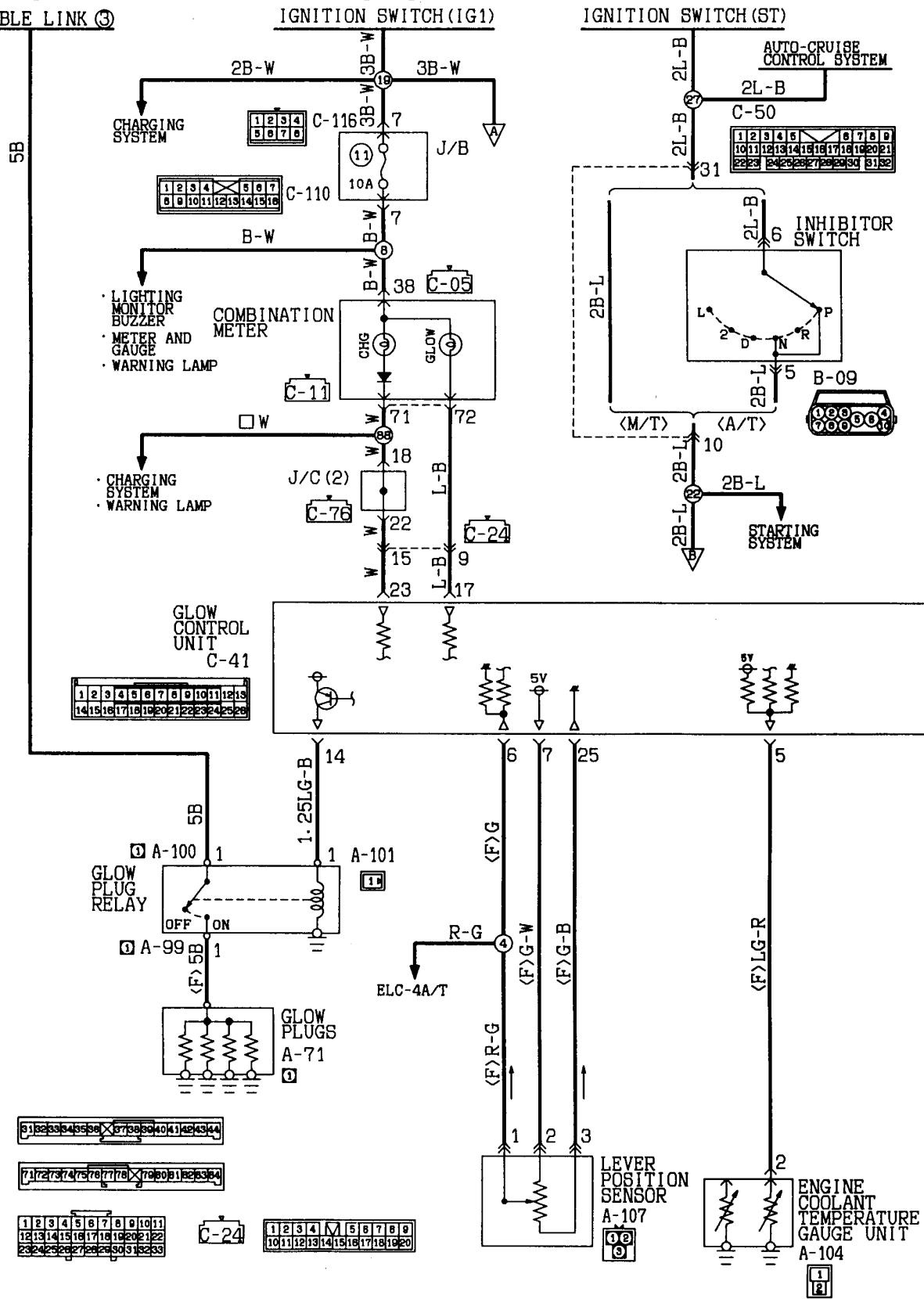




GLOW SYSTEM

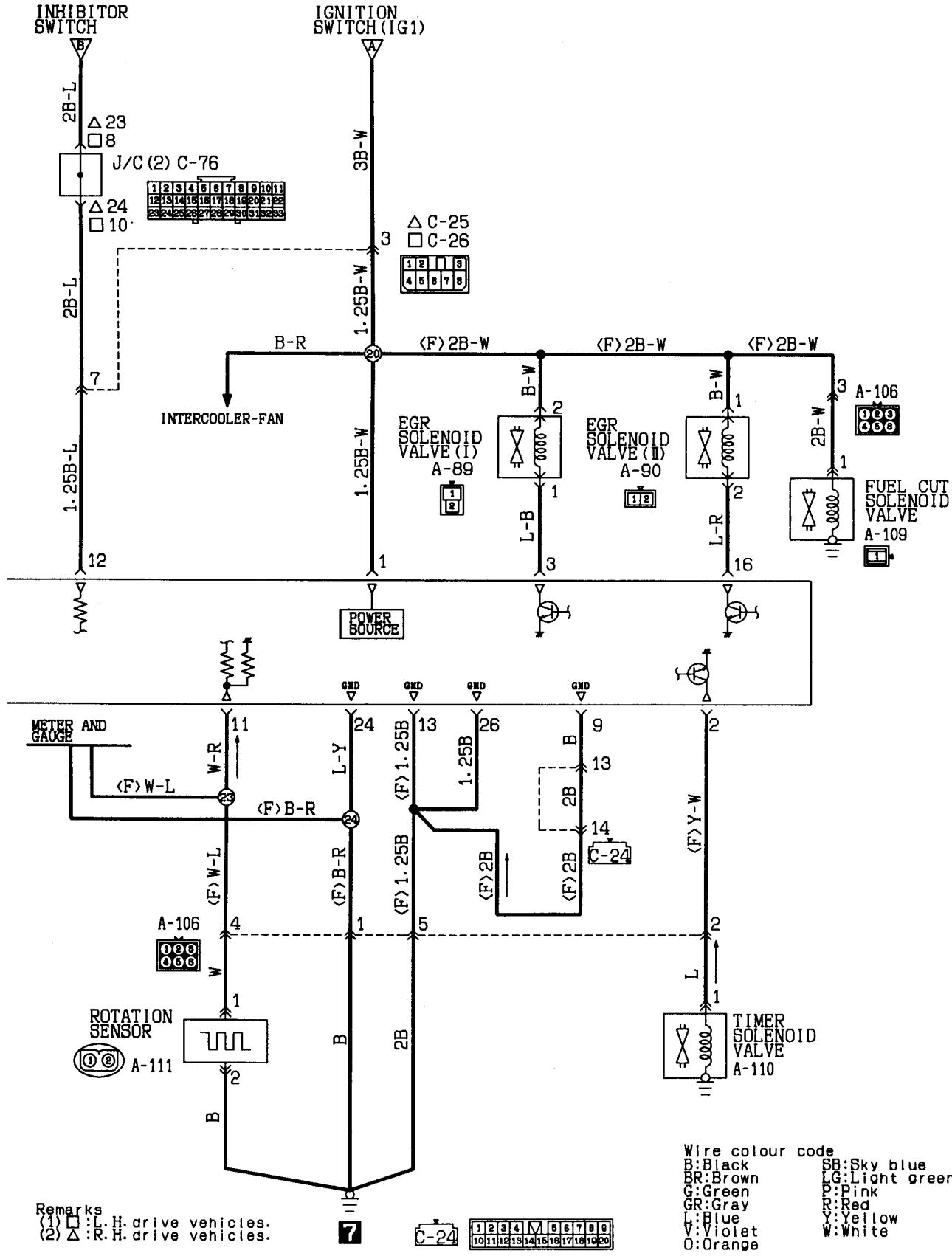
4M40 engine<Without supercharging pressure relief solenoid valve>

FUSIBLE LINK (3)



CIRCUIT DIAGRAM

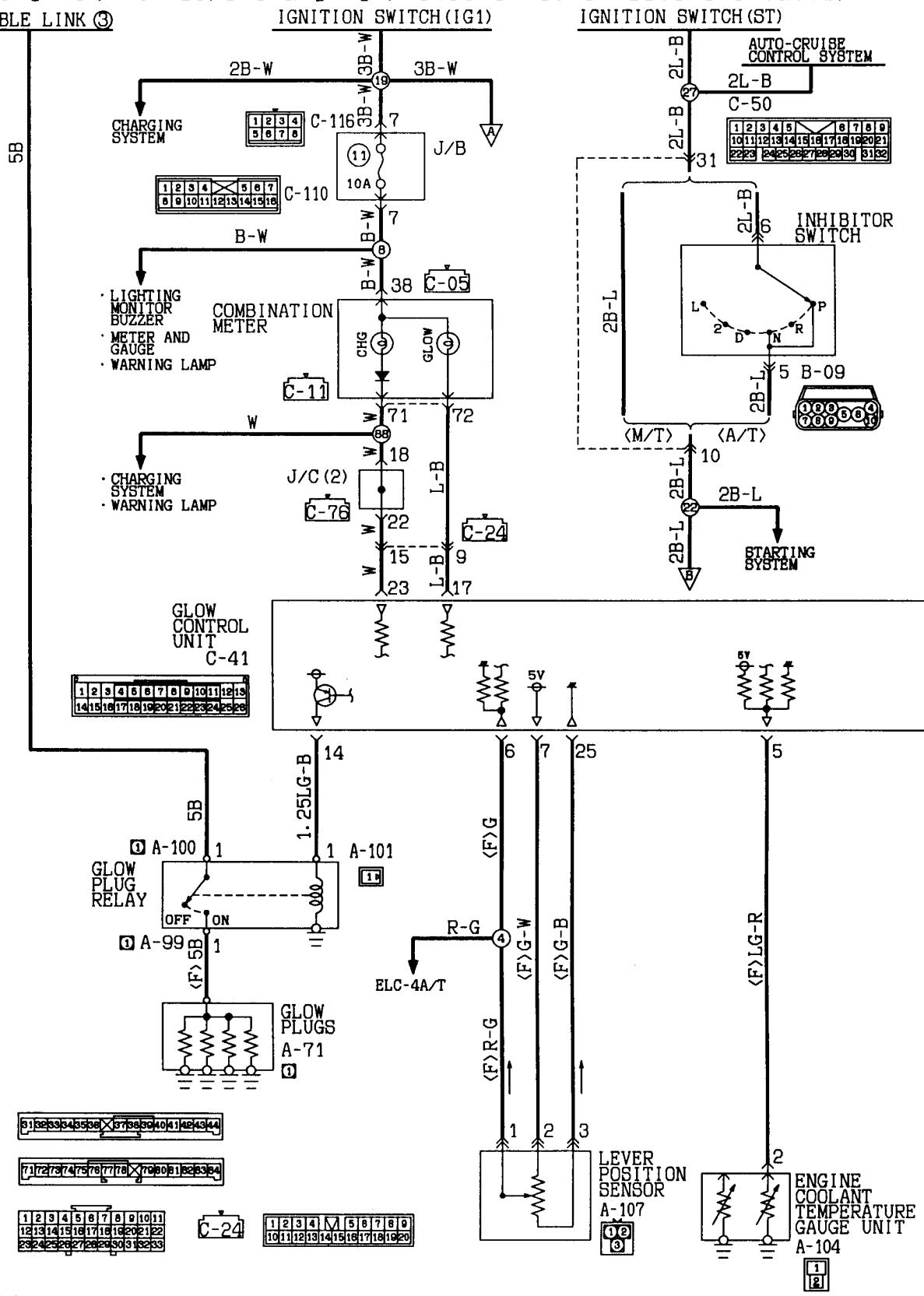
4A-39



GLOW SYSTEM

4M40 engine<With supercharging pressure relief solenoid valve>

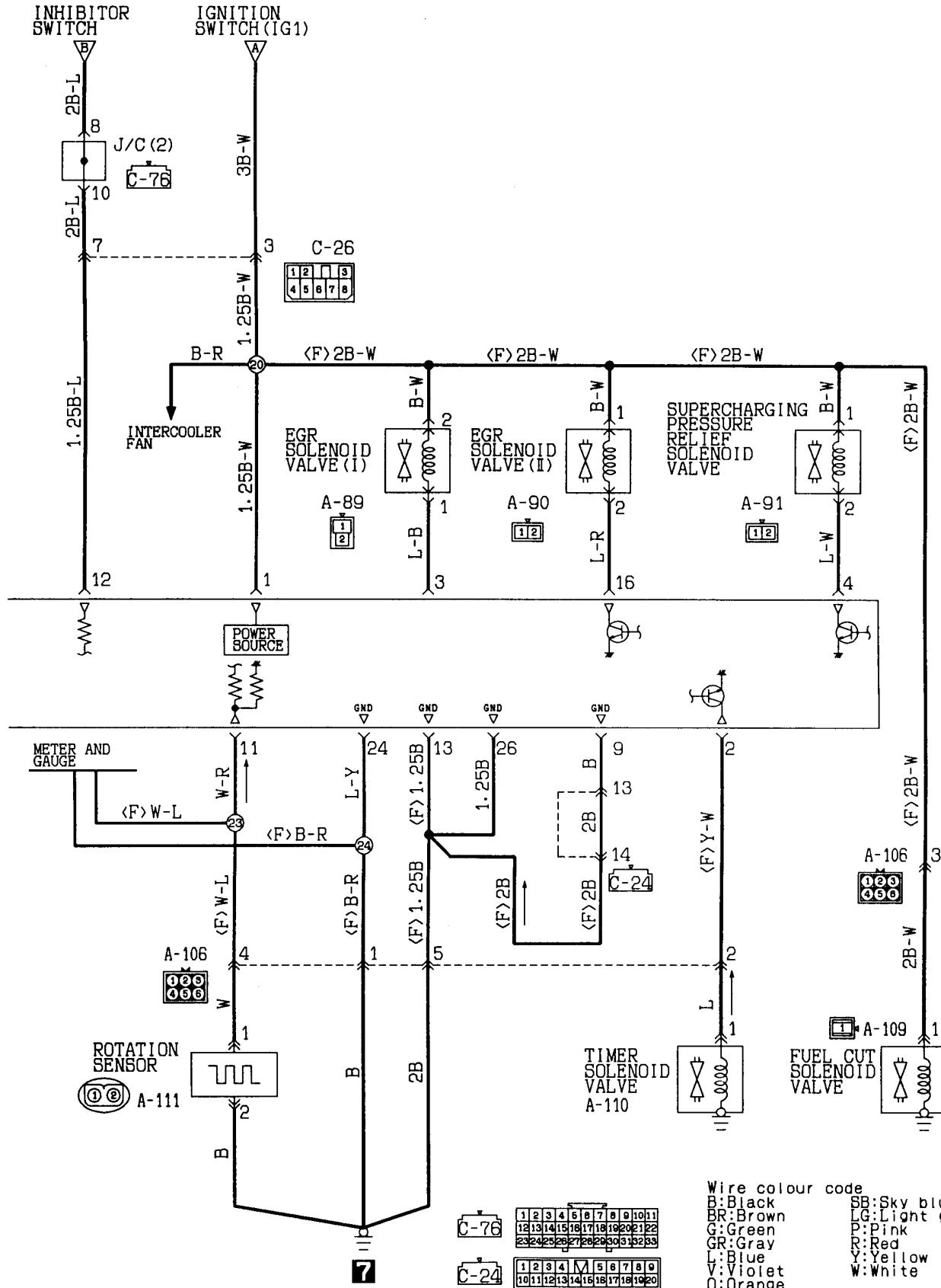
FUSIBLE LINK ③



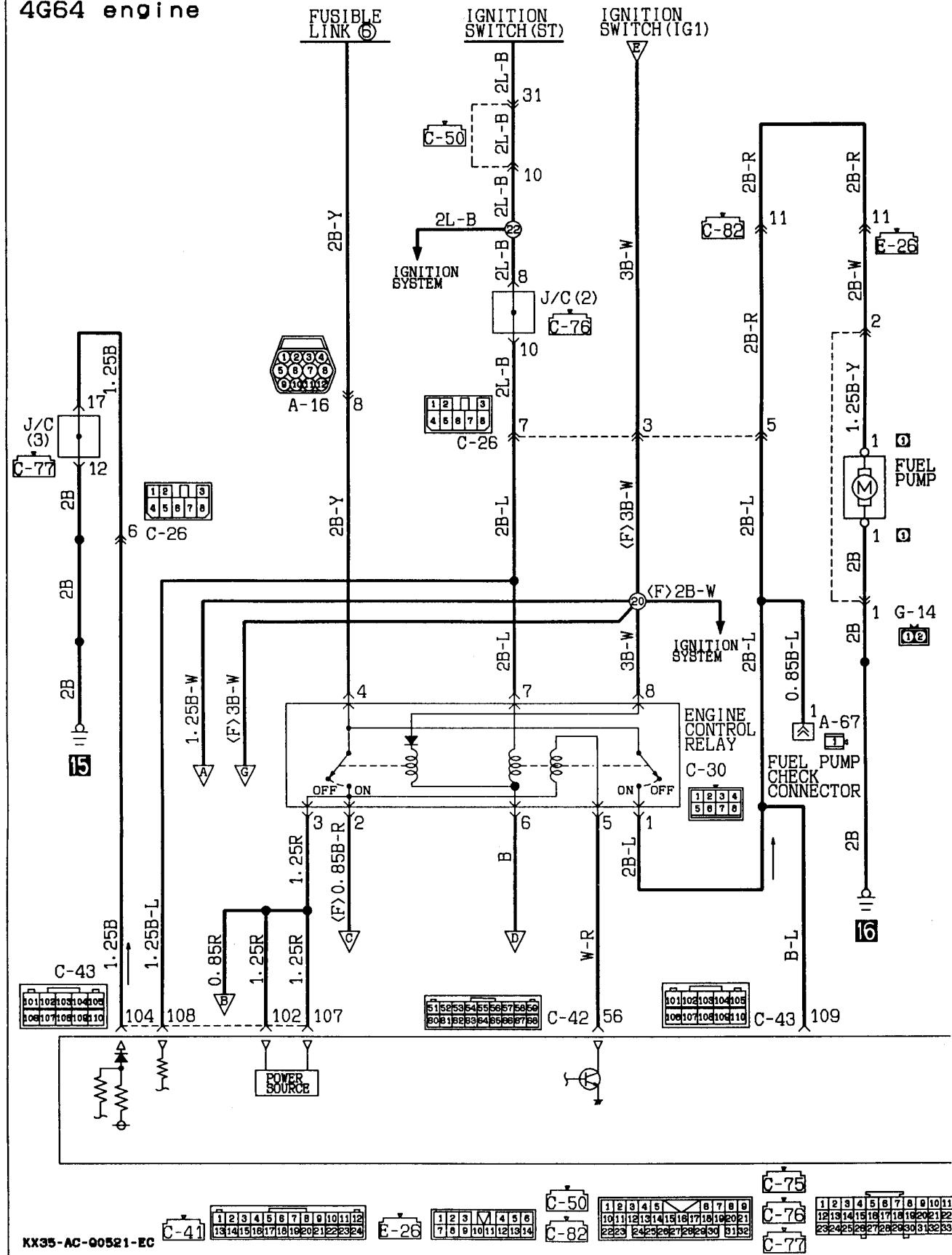
KX35-AC-00520-EC

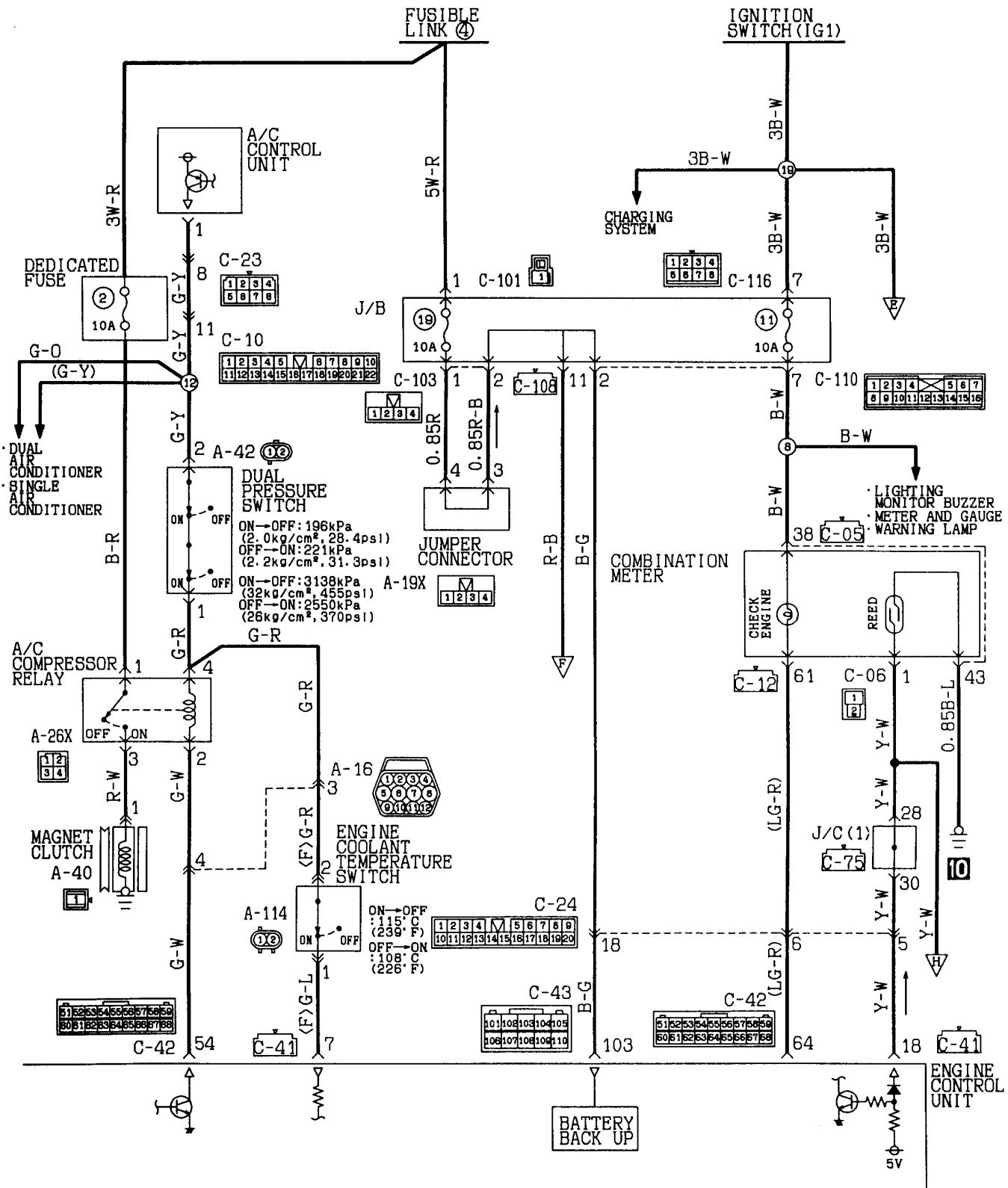
CIRCUIT DIAGRAM

4A-41



MPI SYSTEM
4G64 engine



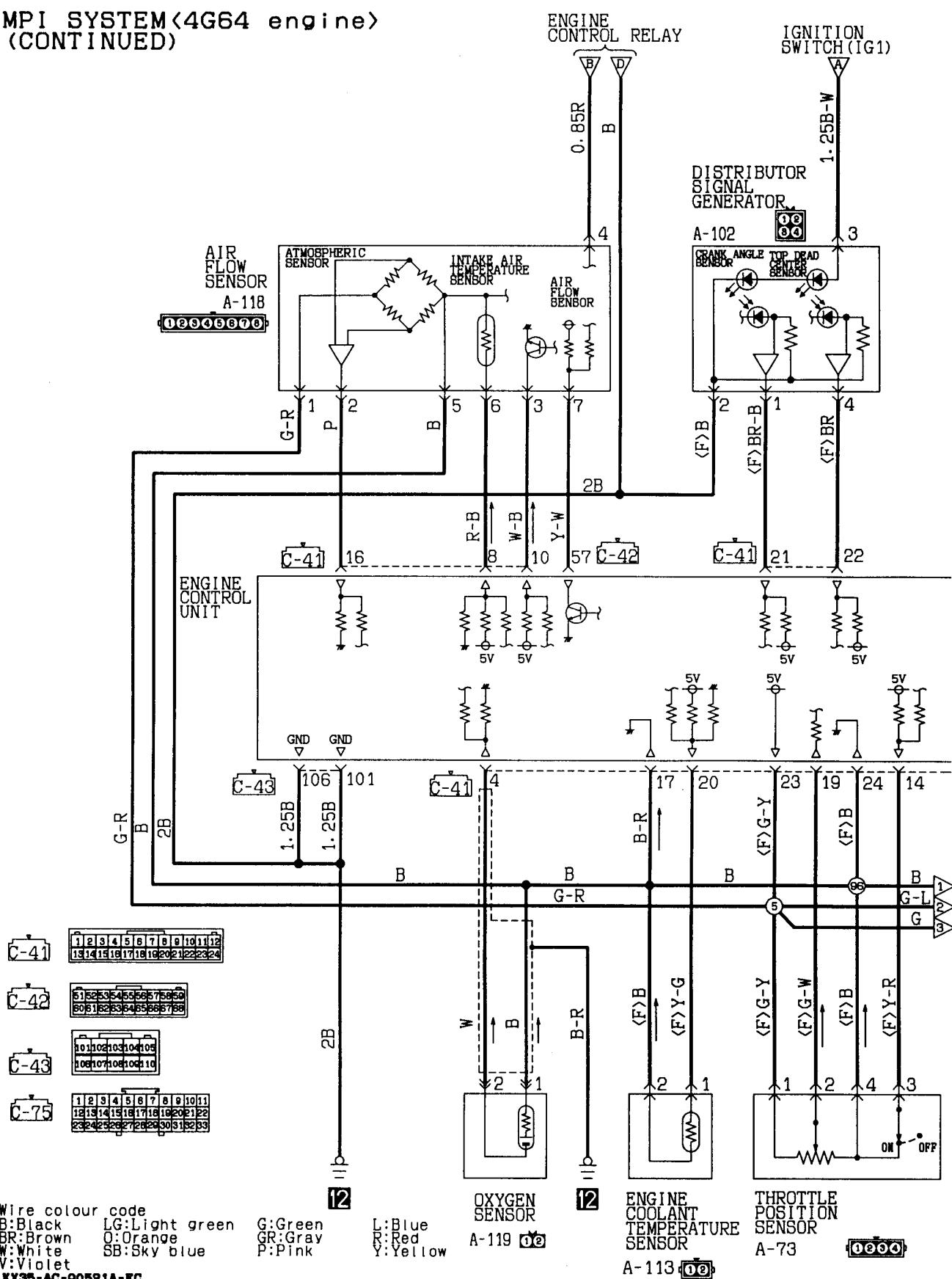


Wire colour code				
B:Black	LG:Light green	G:Green	L:Blue	
BR:Brown	O:Orange	GR:Gray	R:Red	
W:White	SB:Sky blue	P:Pink		Y:Yellow
V:Violet				

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PH-IE9026-C

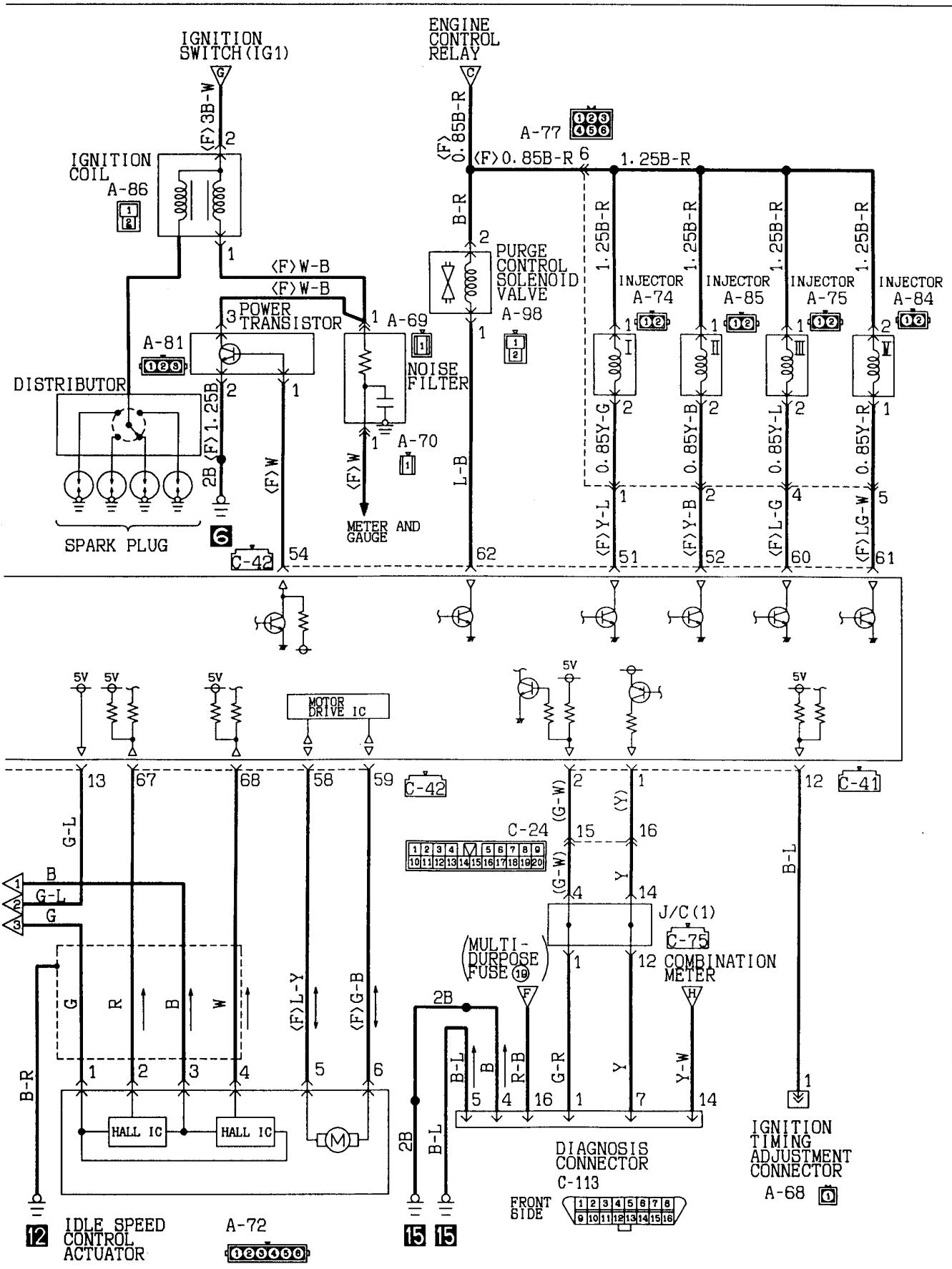
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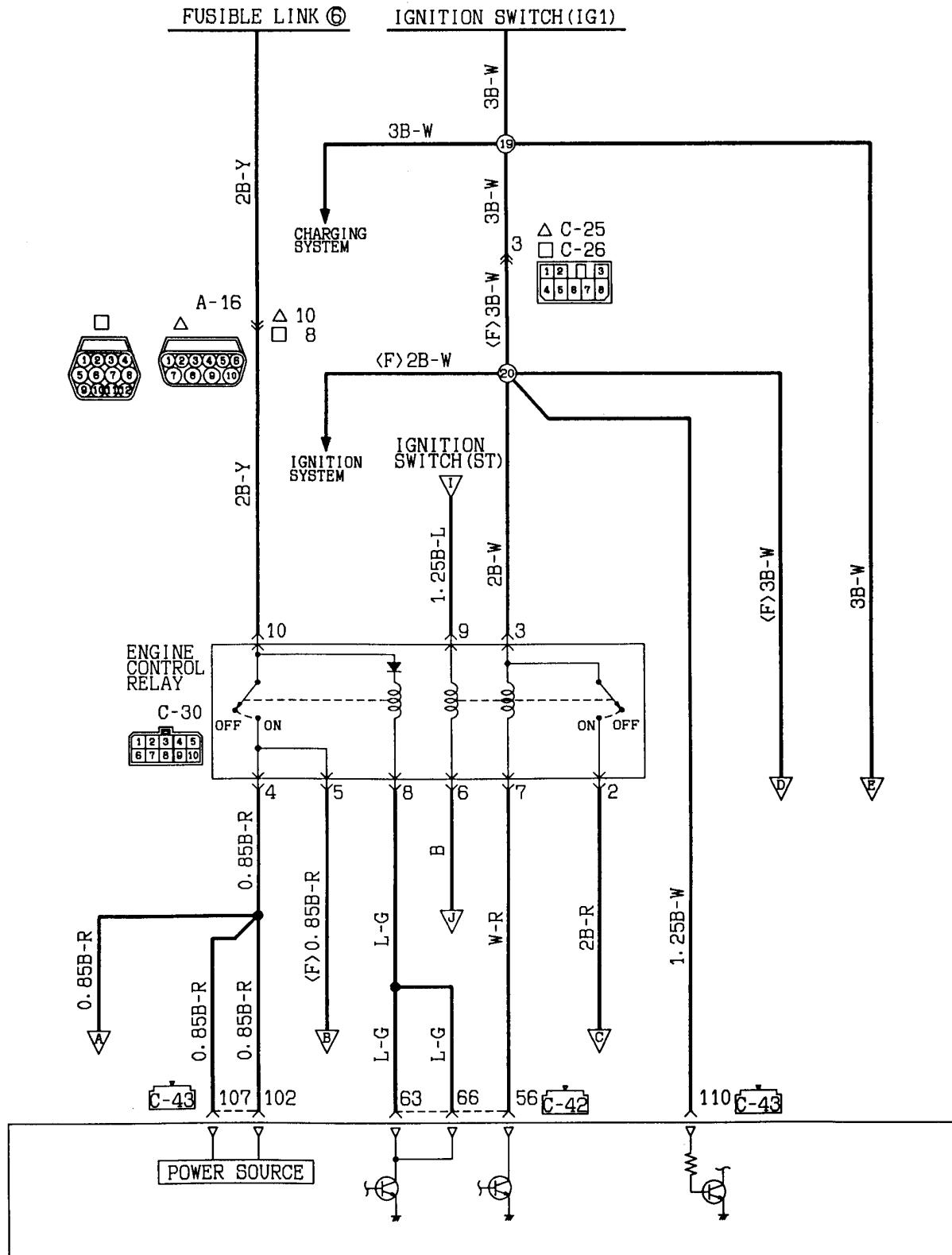
MPI SYSTEM<4G64 engine>
(CONTINUED)

Wire colour code
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 BR:Brown O:Orange GR:Gray
 W:White SB:Sky blue P:Pink
 V:Violet
 KX35-AC-00521A-EC

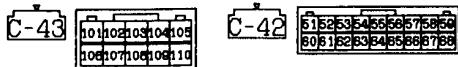
CIRCUIT DIAGRAM

4A-45



MPI SYSTEM
6G72-M/T


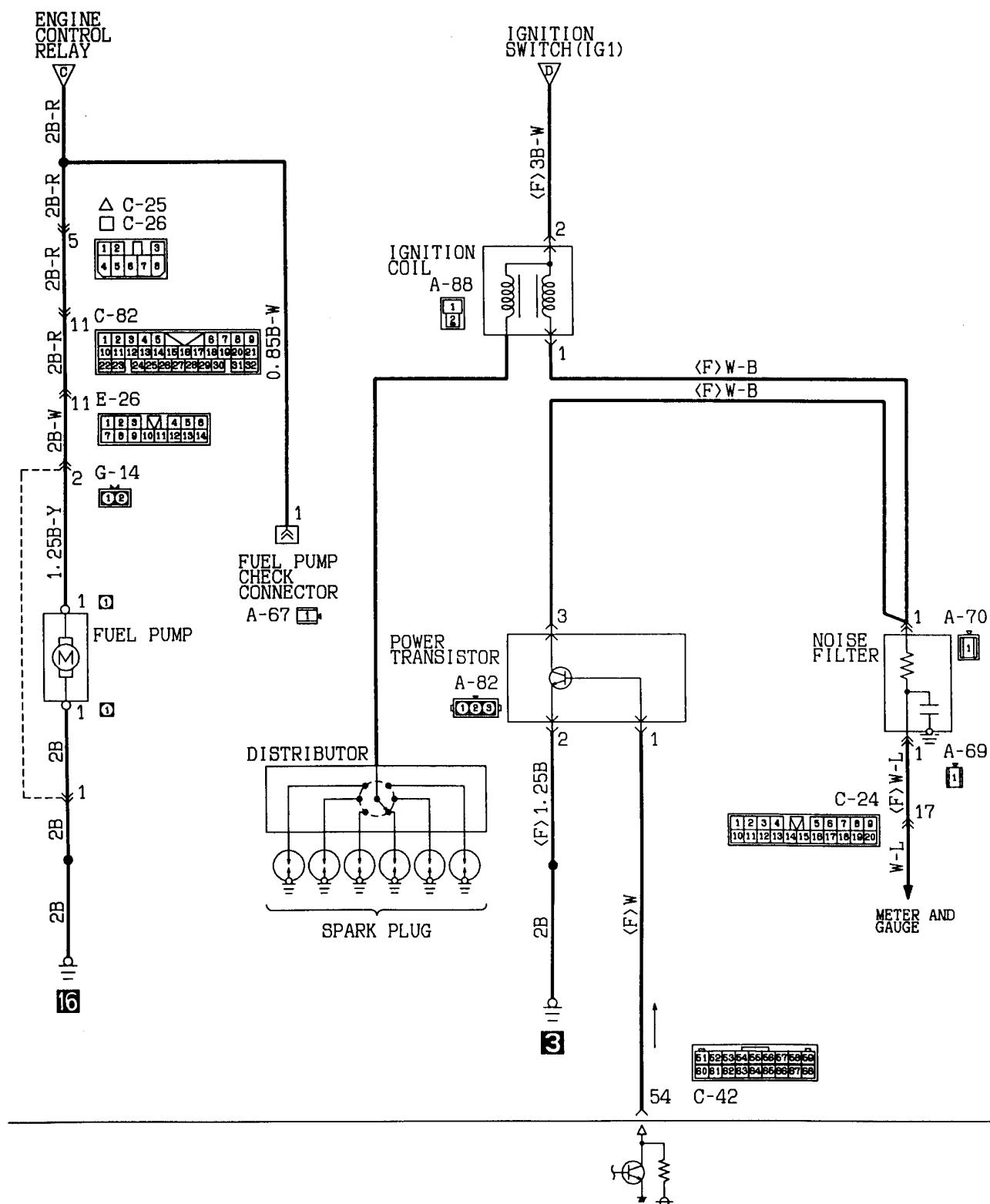
Remarks
 (1) □ : L.H. drive vehicles.
 (2) Δ : R.H. drive vehicles.



ENGINE CONTROL UNIT

CIRCUIT DIAGRAM

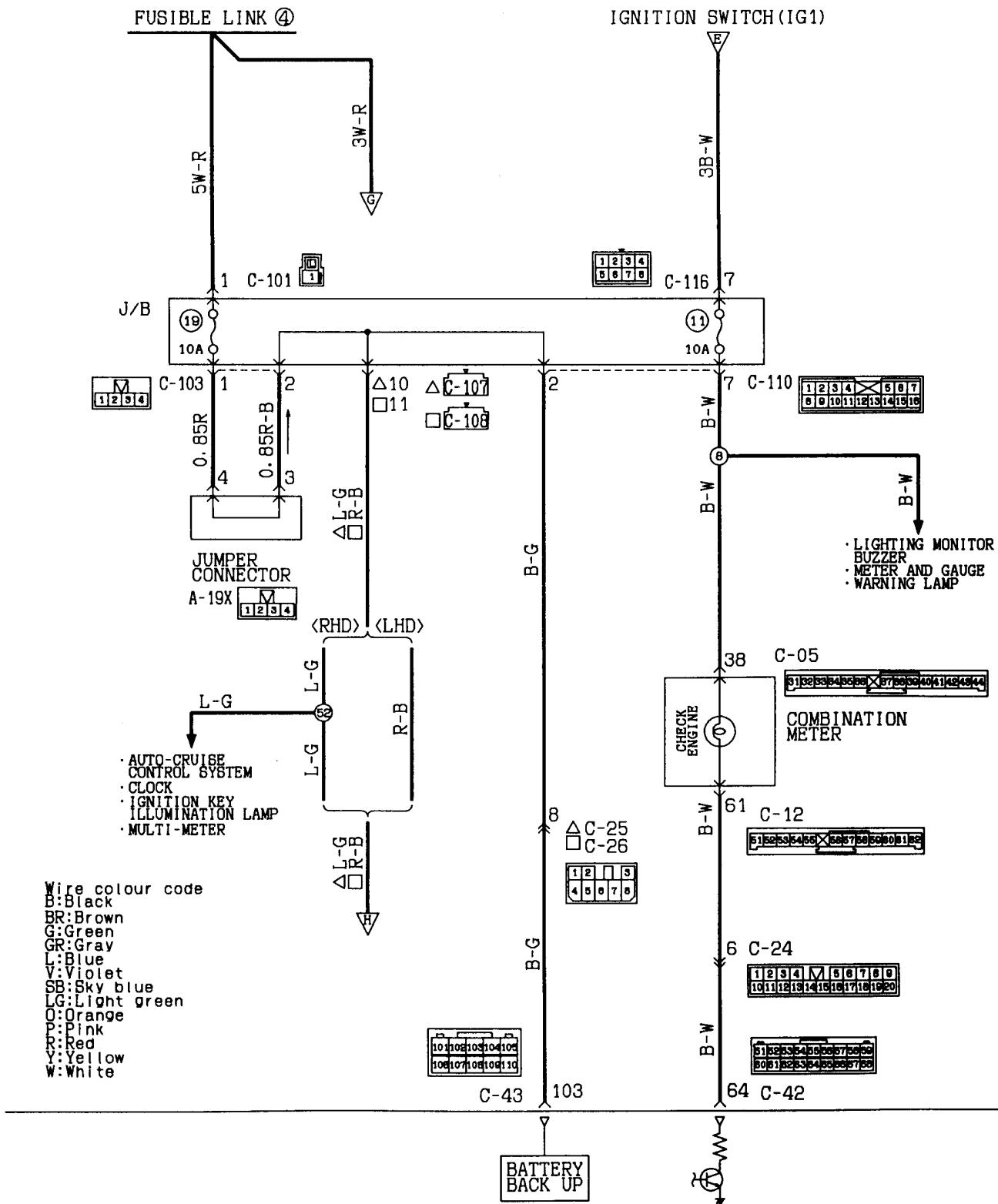
4A-47



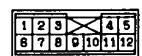
ENGINE CONTROL UNIT

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

MPI SYSTEM<6G72-M/T> (CONTINUED)

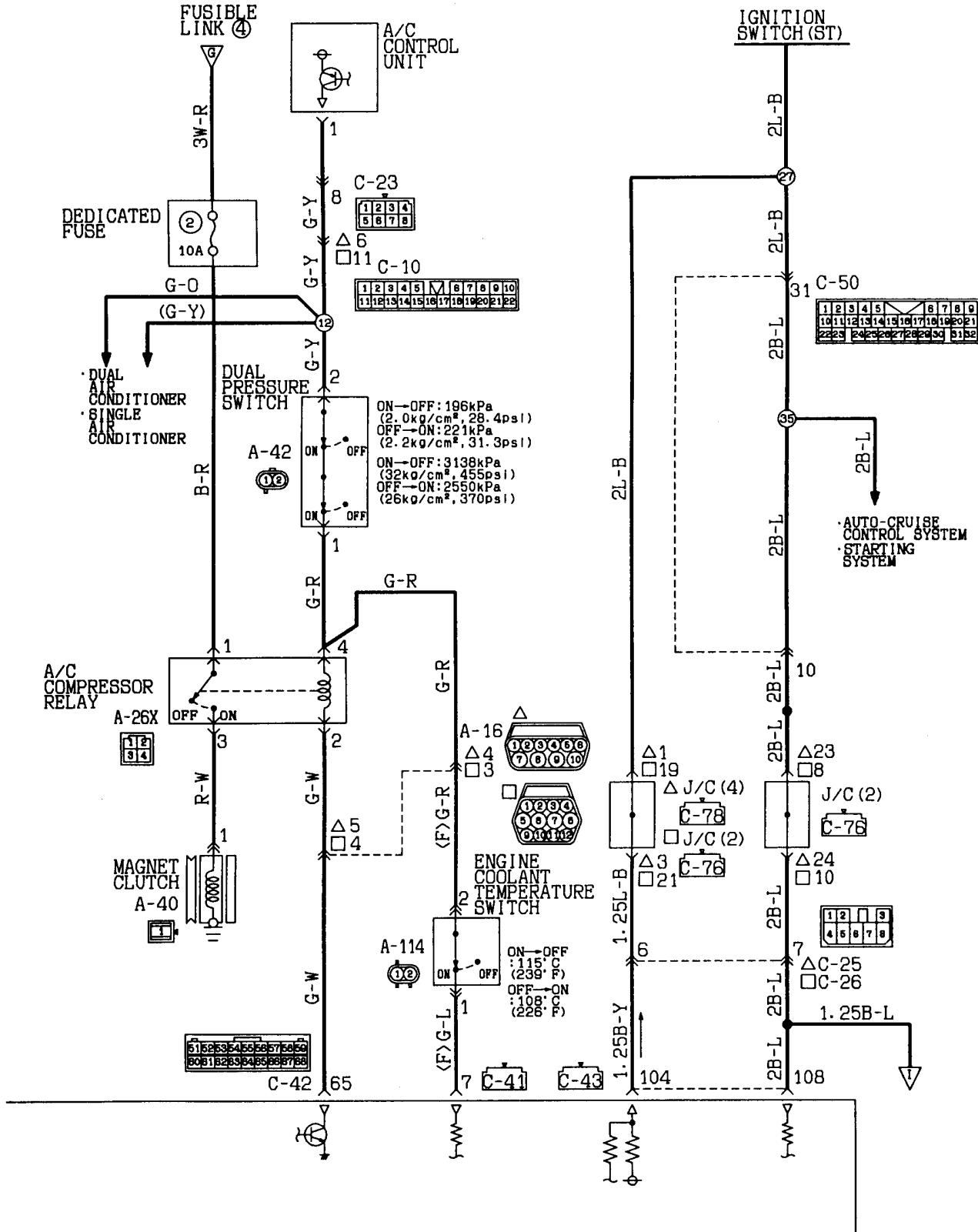


KX35-AC-00518A-EC

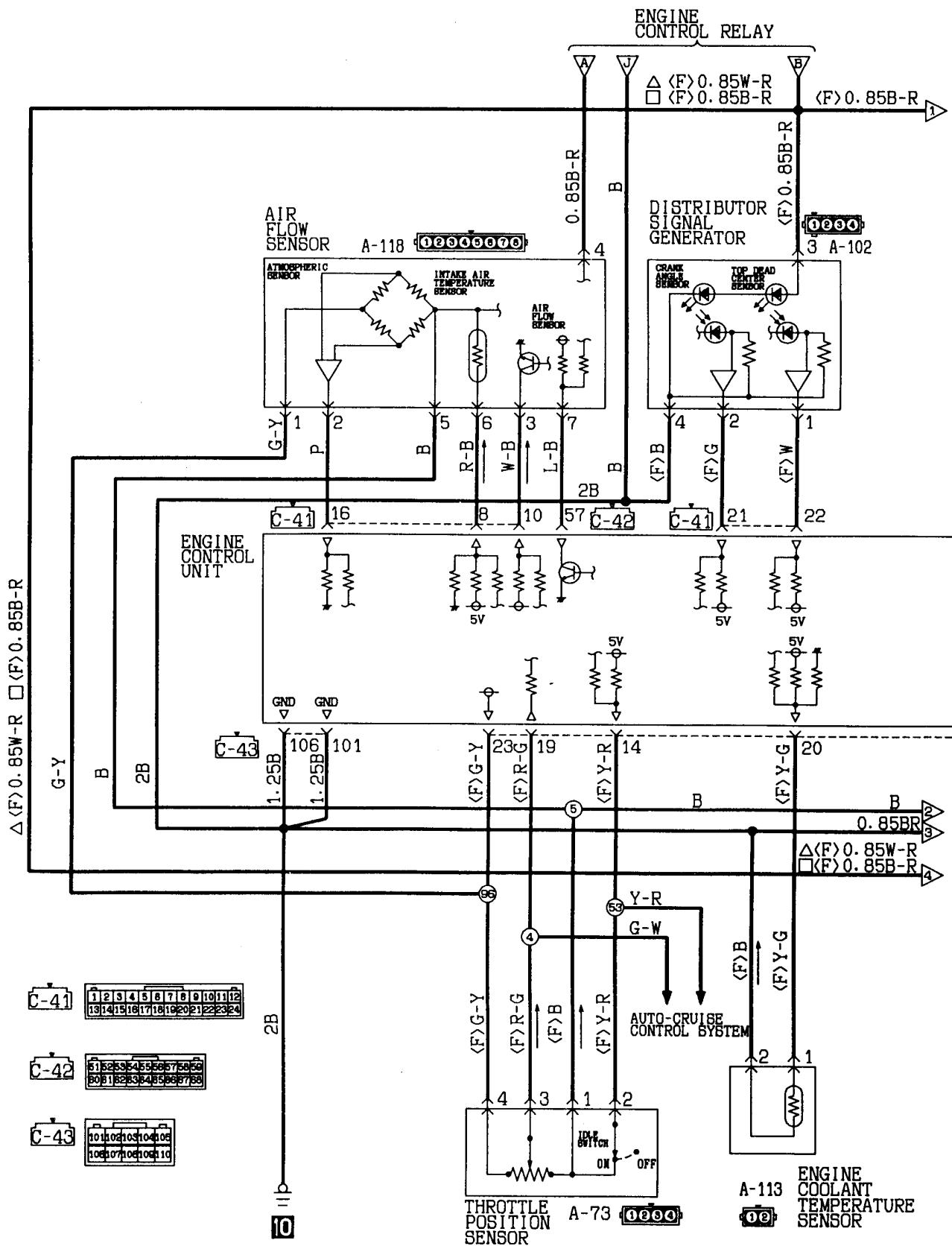


Remarks

REMARKS
(1) : L. H. drive vehicles.
(2) : R. H. drive vehicles.

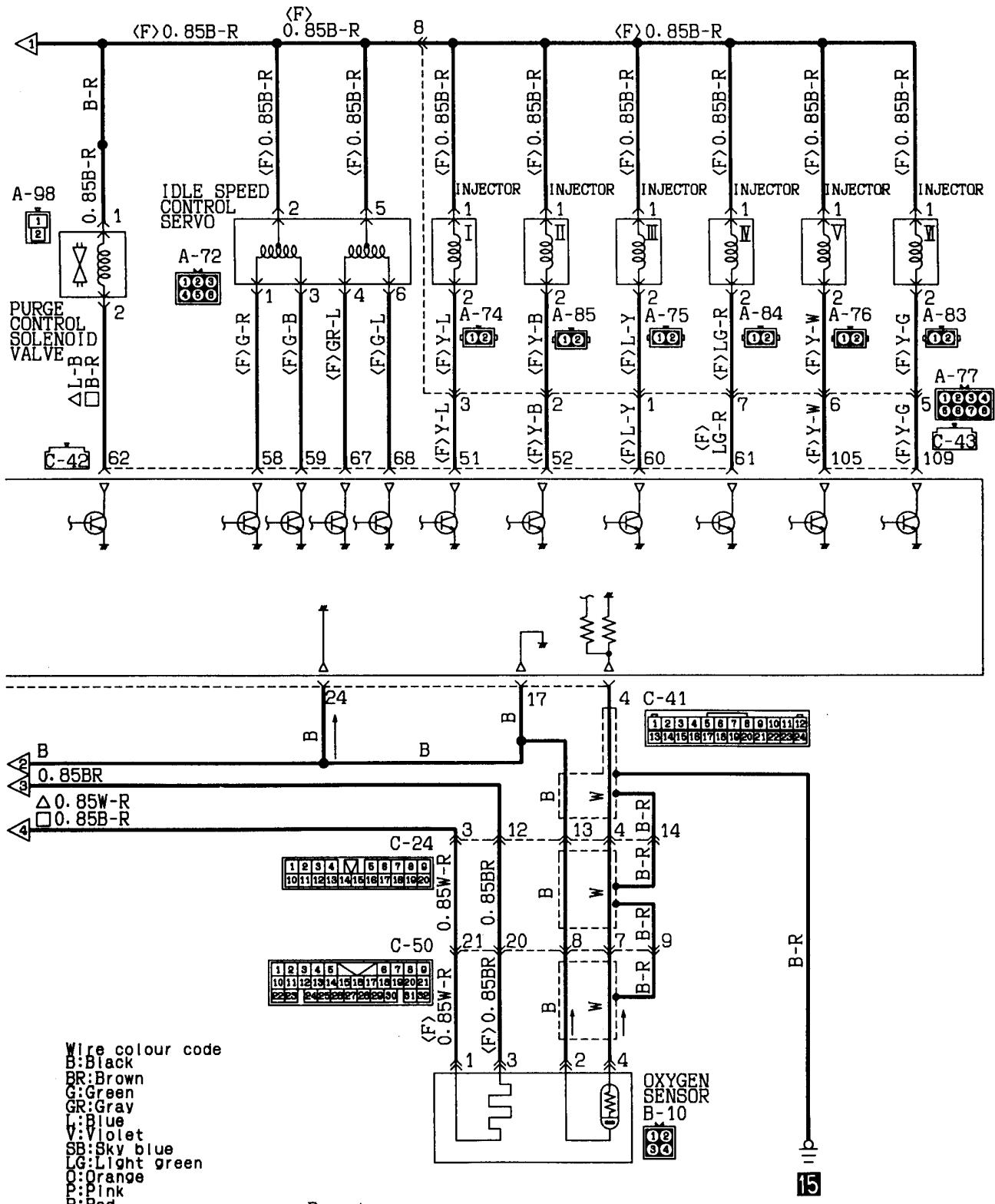


MPI SYSTEM<6G72-M/T> (CONTINUED)



CIRCUIT DIAGRAM

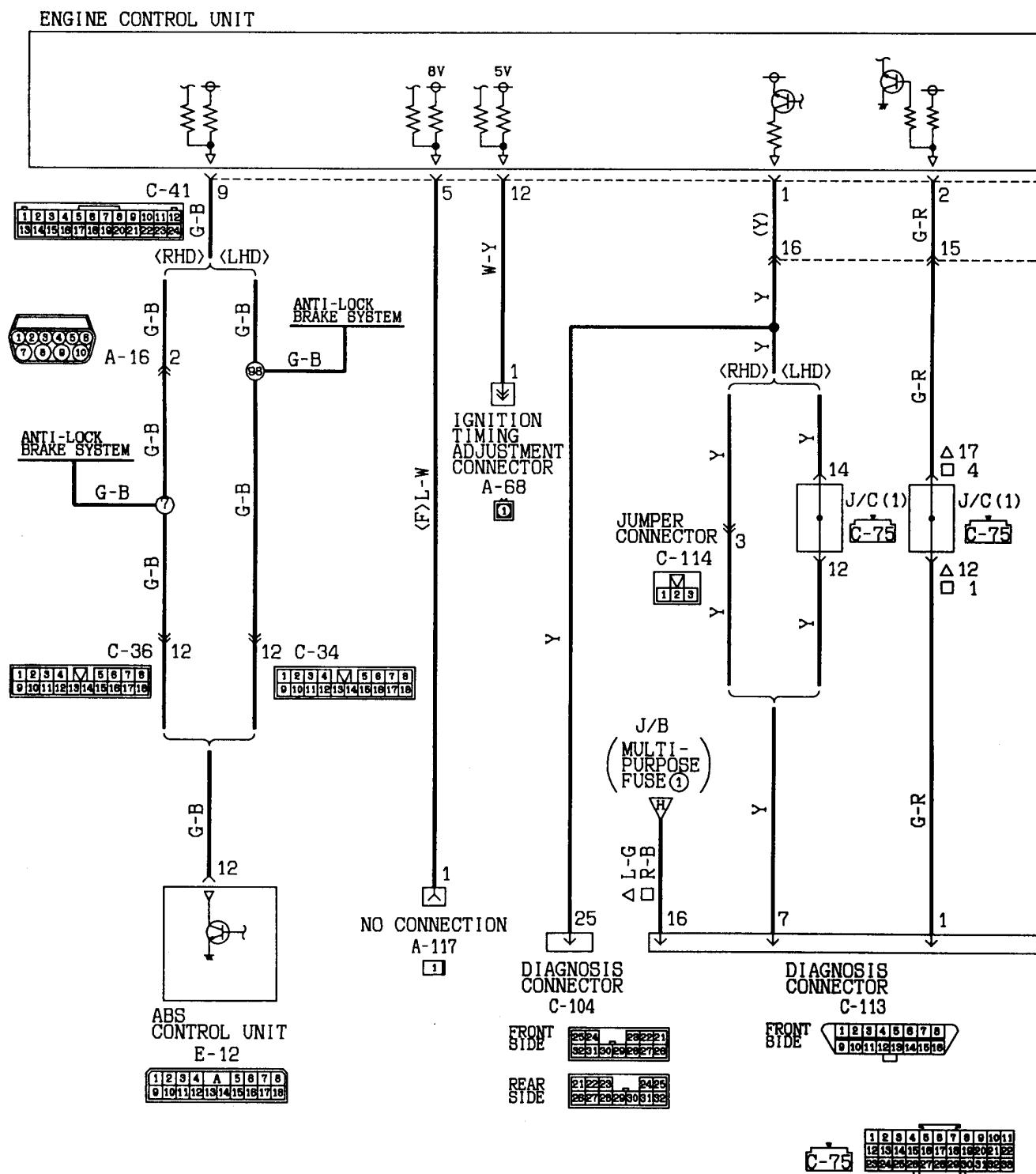
4A-51

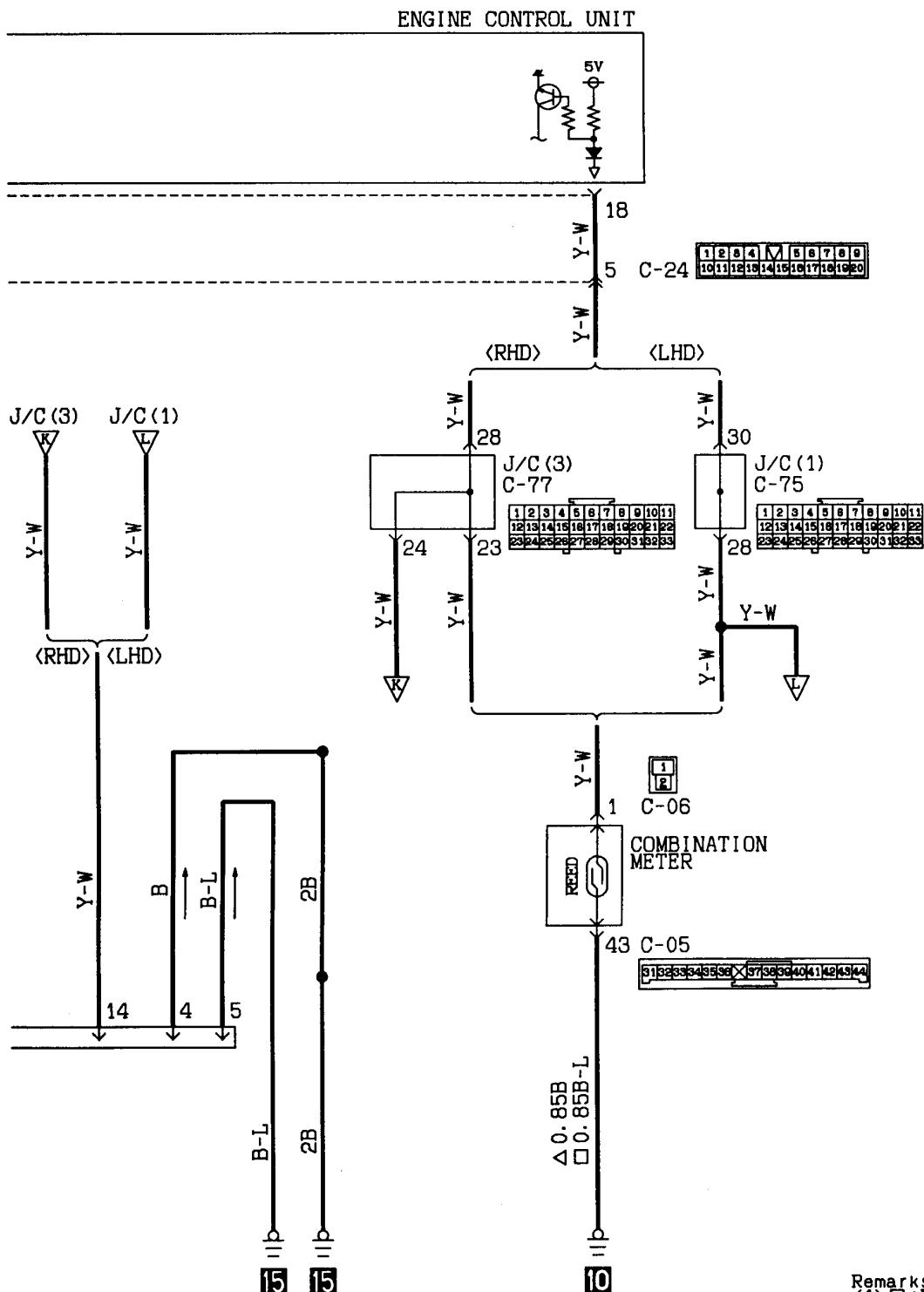


Wire colour code
B:Black
BR:Brown
G:Green
GR:Gray
L:Blue
V:Violet
SB:Sky blue
LG:Light green
O:Orange
P:Pink
R:Red
Y:Yellow
W:White

Remarks
(1) : L. H. drive vehicles.
(2) : R. H. drive vehicles.

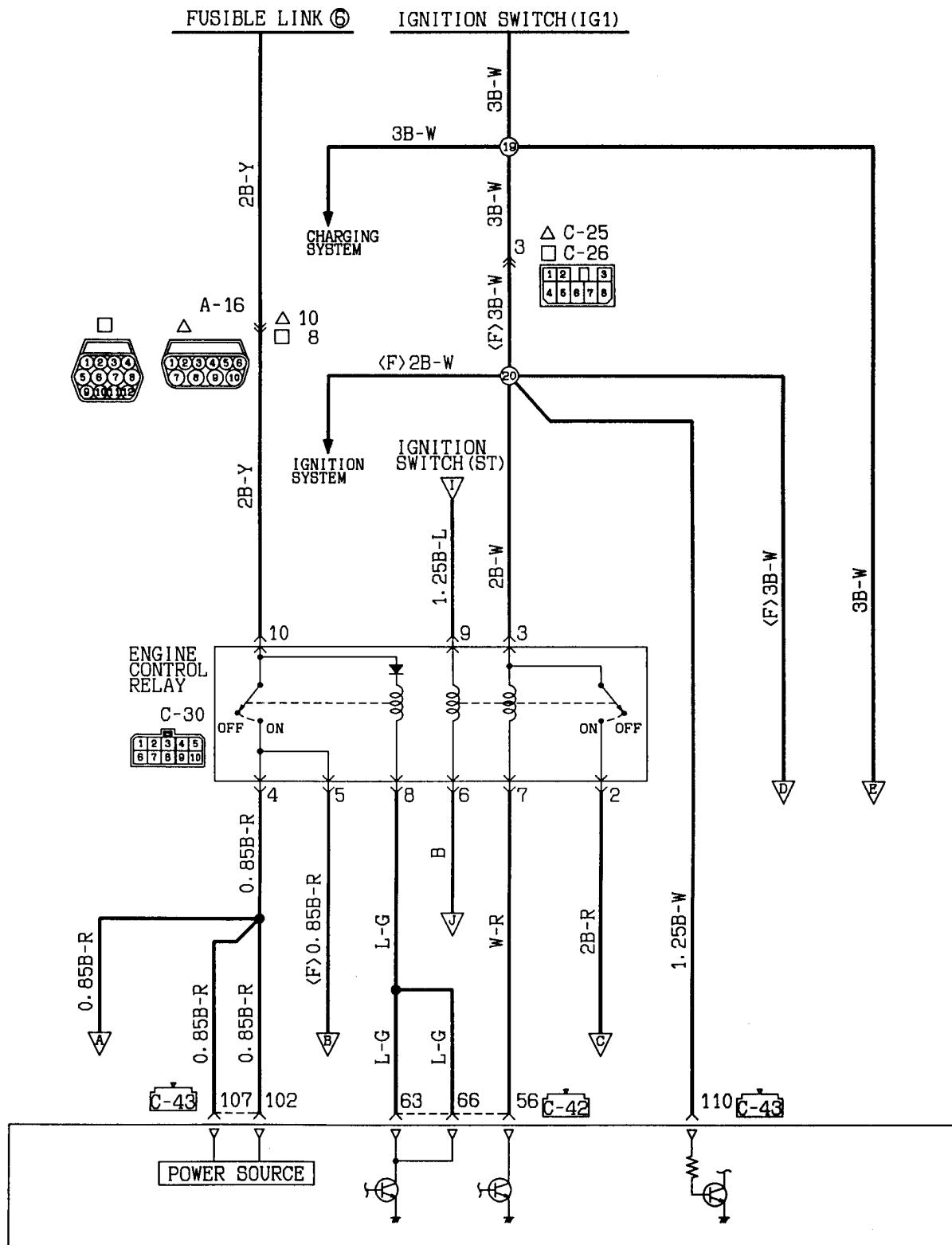
MPI SYSTEM <6G72-M/T> (CONTINUED)

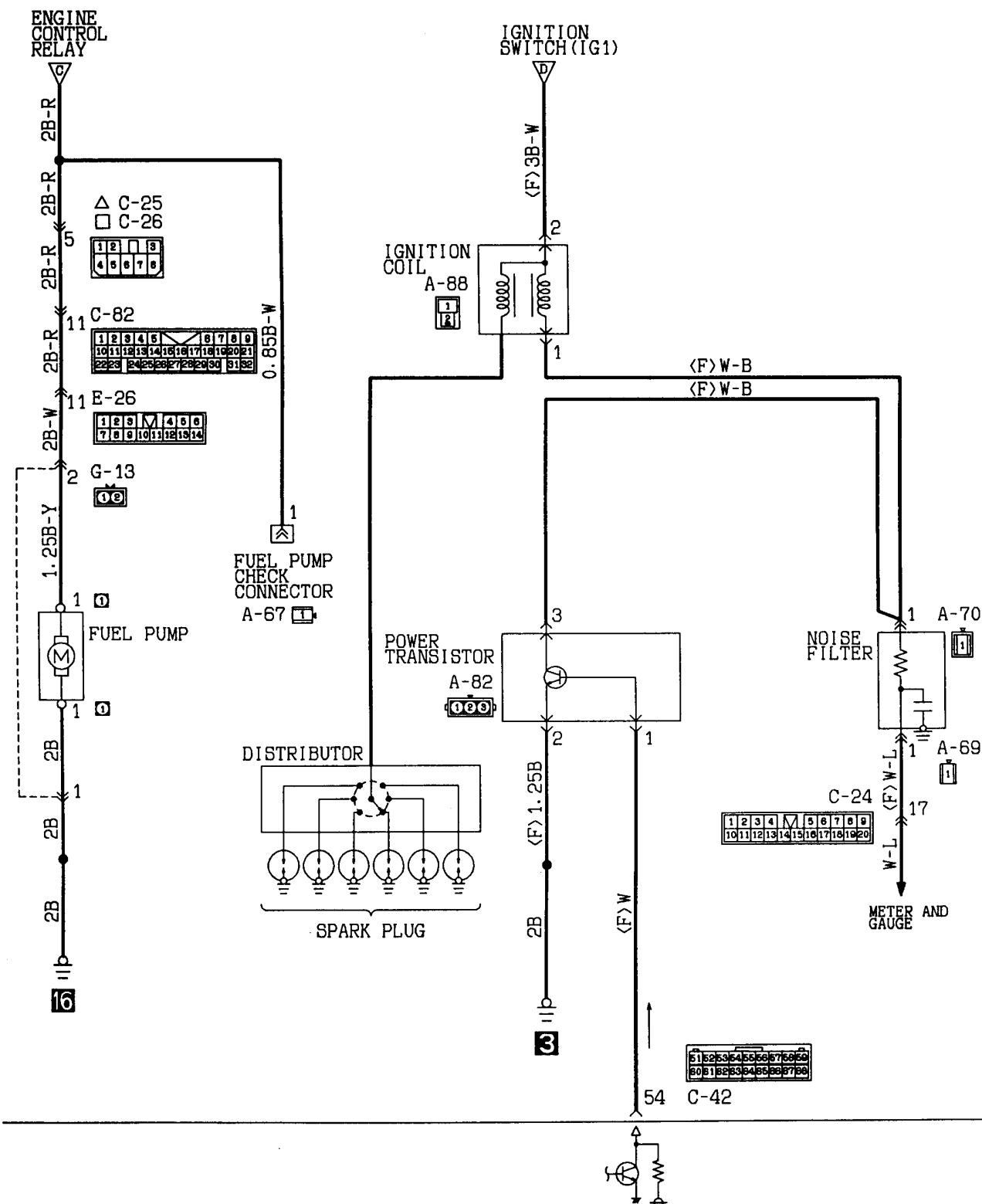




Remarks
 (1) □ : L. H. drive vehicles
 (2) △ : R. H. drive vehicles

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

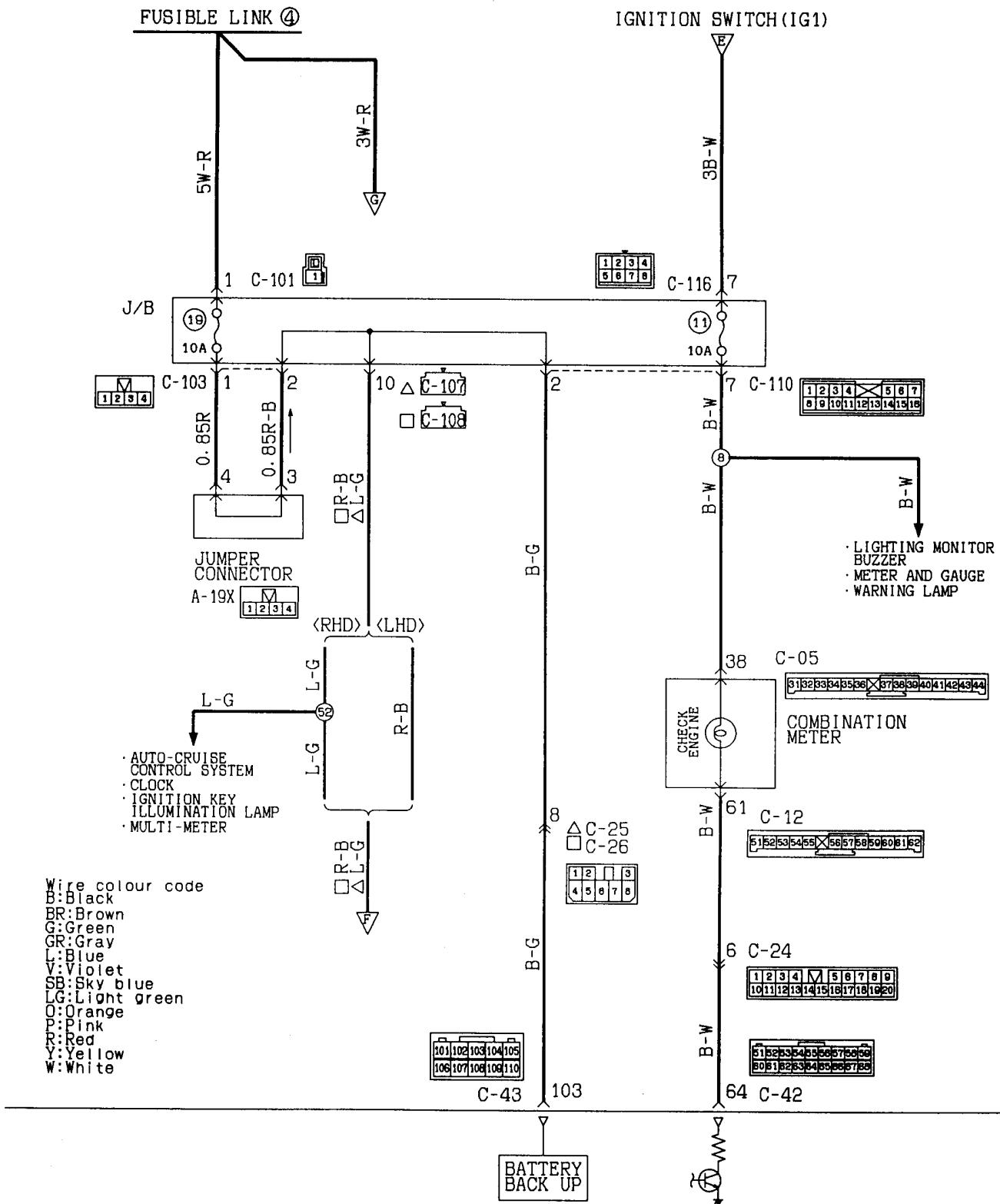
**MPI SYSTEM
6G72-A/T**




ENGINE CONTROL UNIT

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

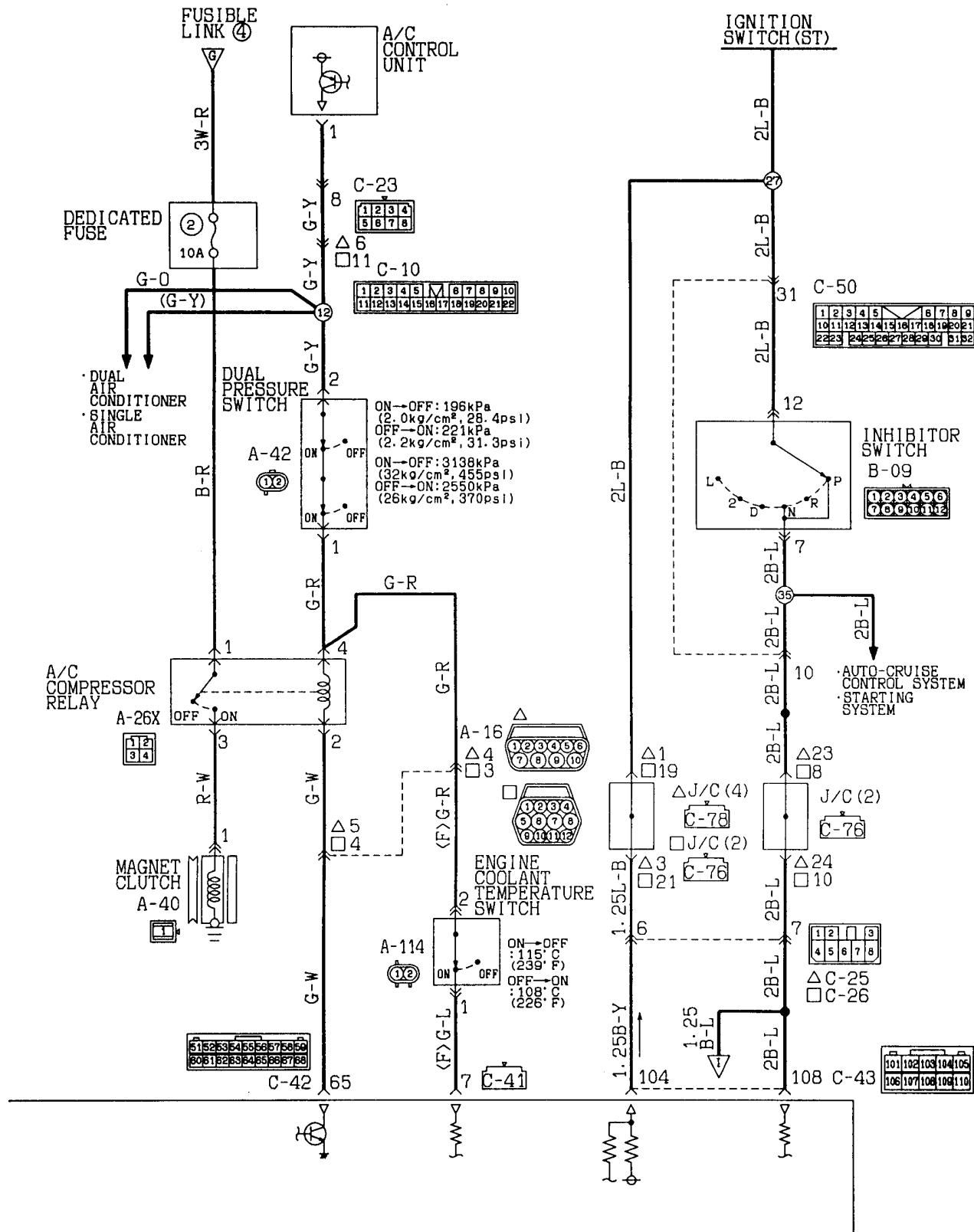
MPI SYSTEM <6G72-A/T> (CONTINUED)



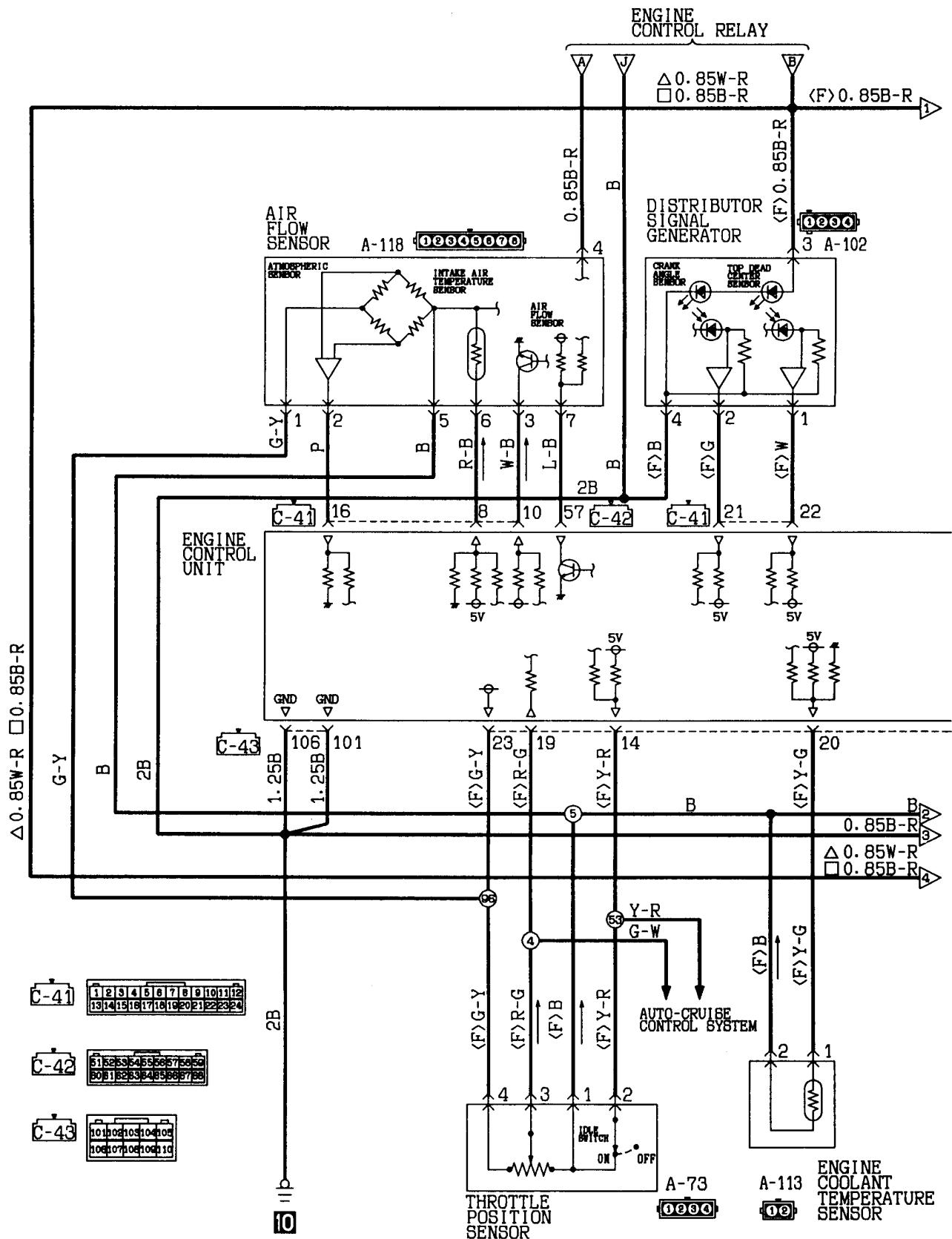
C-107

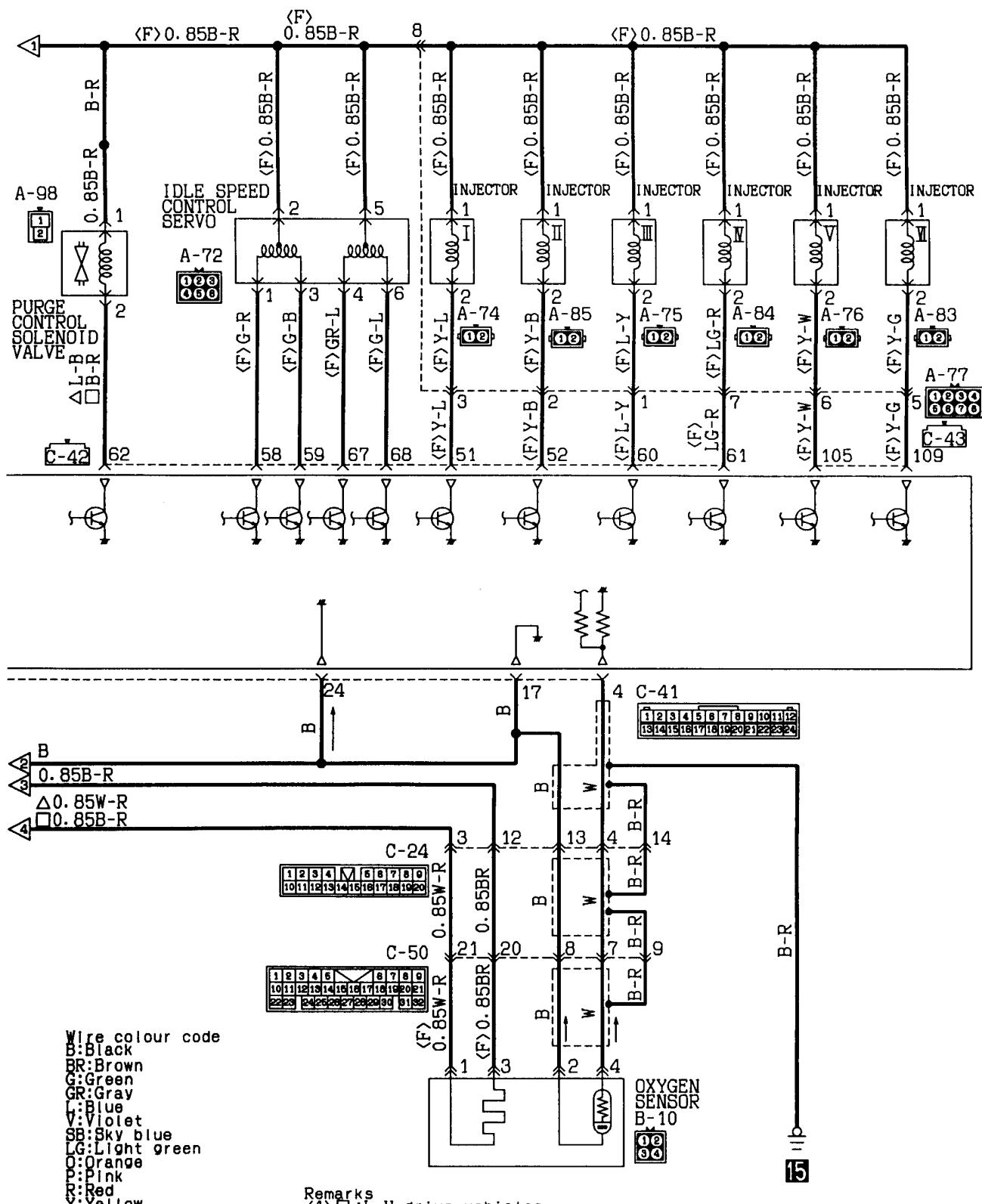
C-108

Remarks



MPI SYSTEM<6G72-A/T> (CONTINUED)

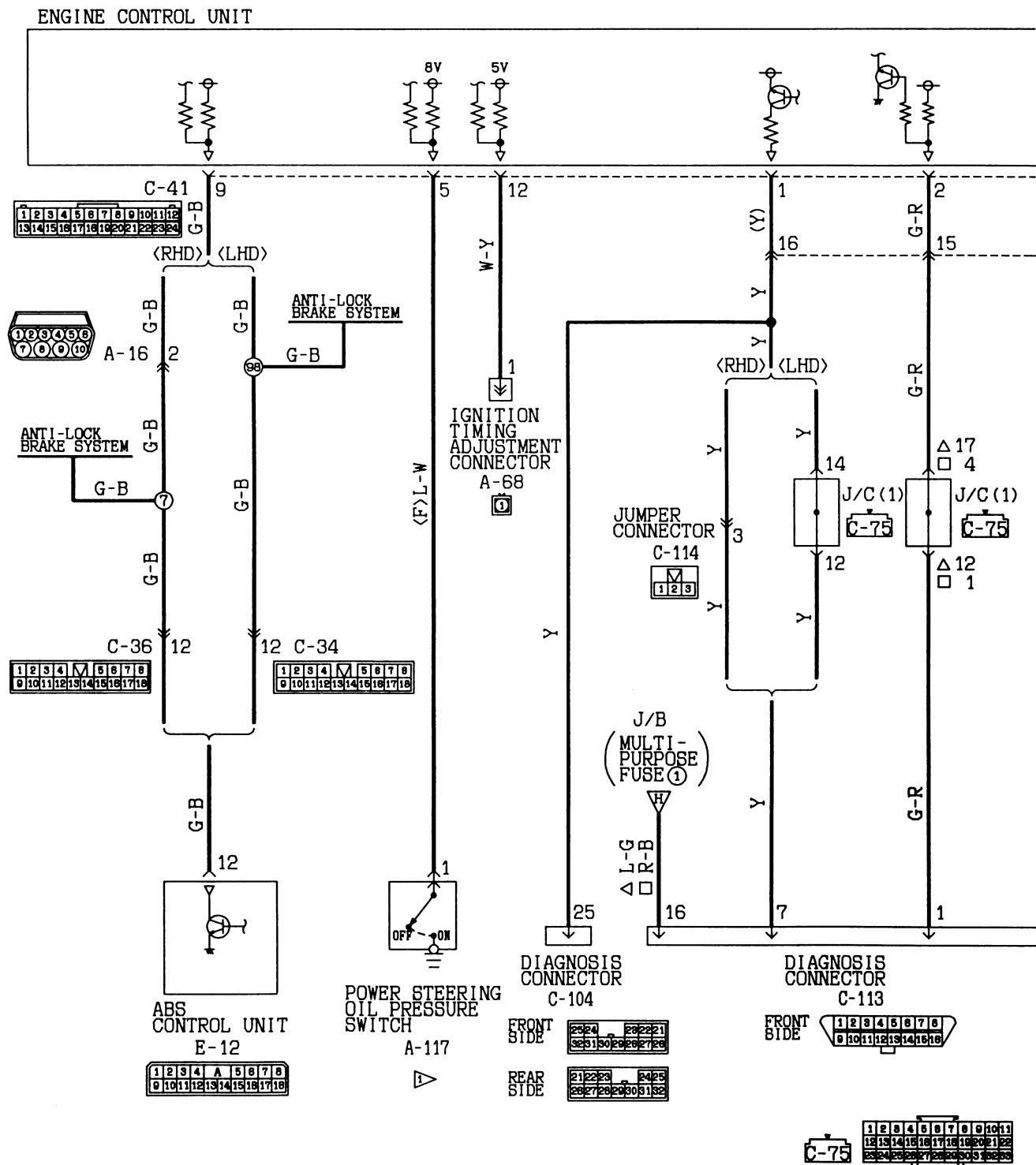


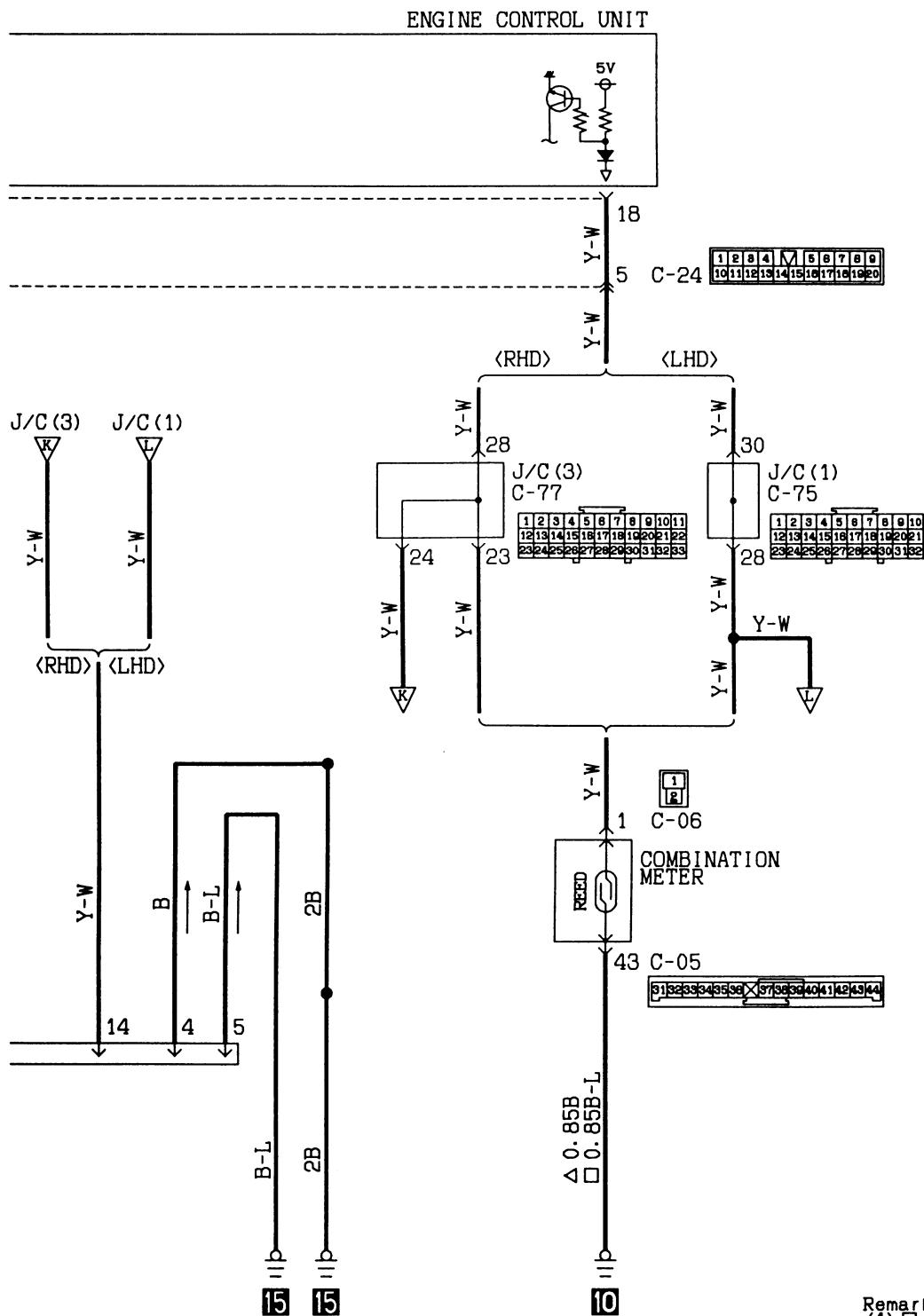


Wire colour code
B:Black
BR:Brown
G:Green
GR:Gray
L:Blue
V:Violet
SB:Sky blue
LG:Light green
O:Orange
P:Pink
R:Red
Y:Yellow
W:White

Remarks
(1) : L. H. drive vehicles.
(2) : R. H. drive vehicles.

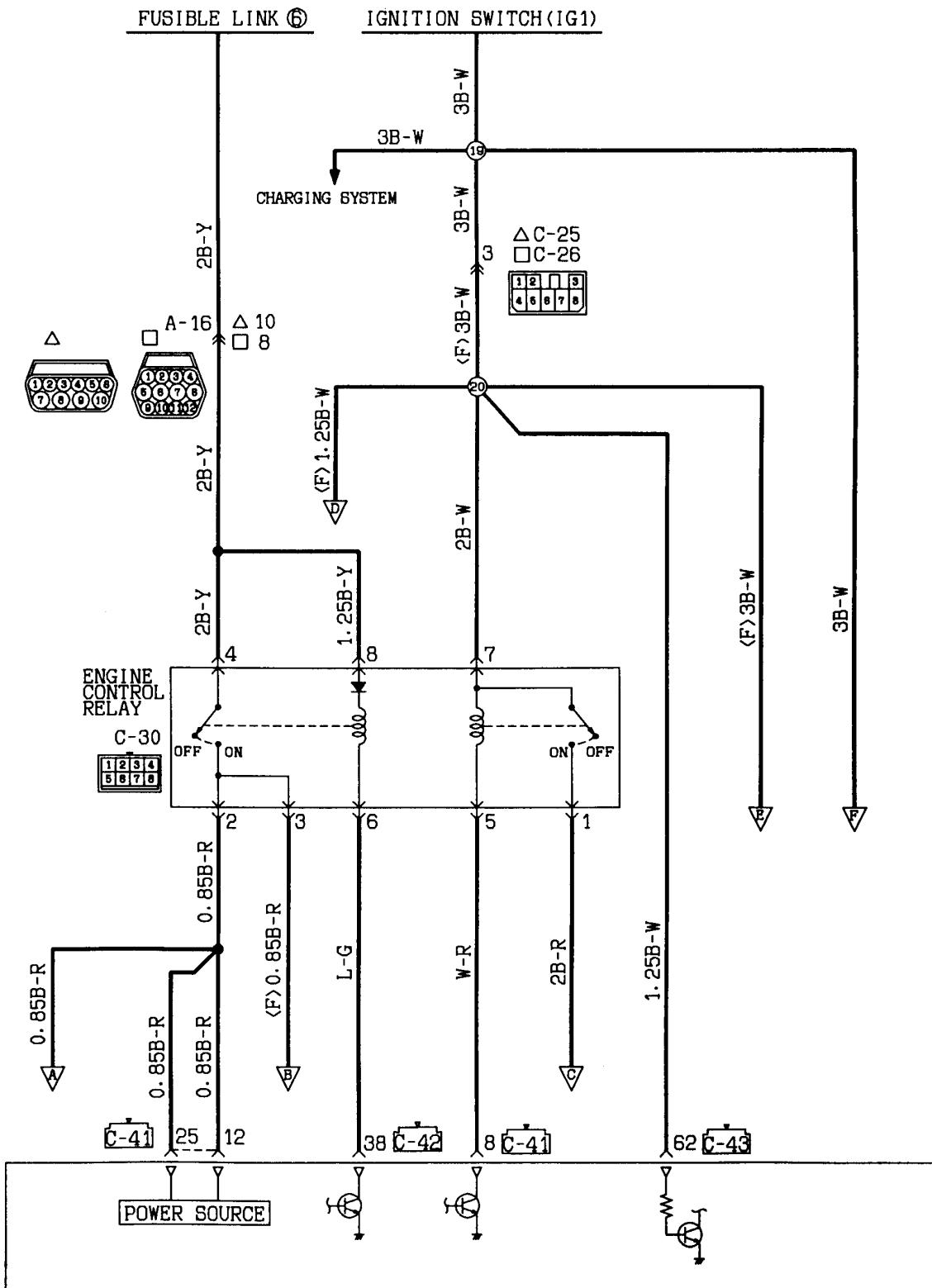
MPI SYSTEM <6G72-A/T> (CONTINUED)





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

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

**MPI SYSTEM
6G74-M/T**

C-42

91	32	33	34	35	36	37	38
99	40	41	42	43	44	45	46

C-41

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

C-43

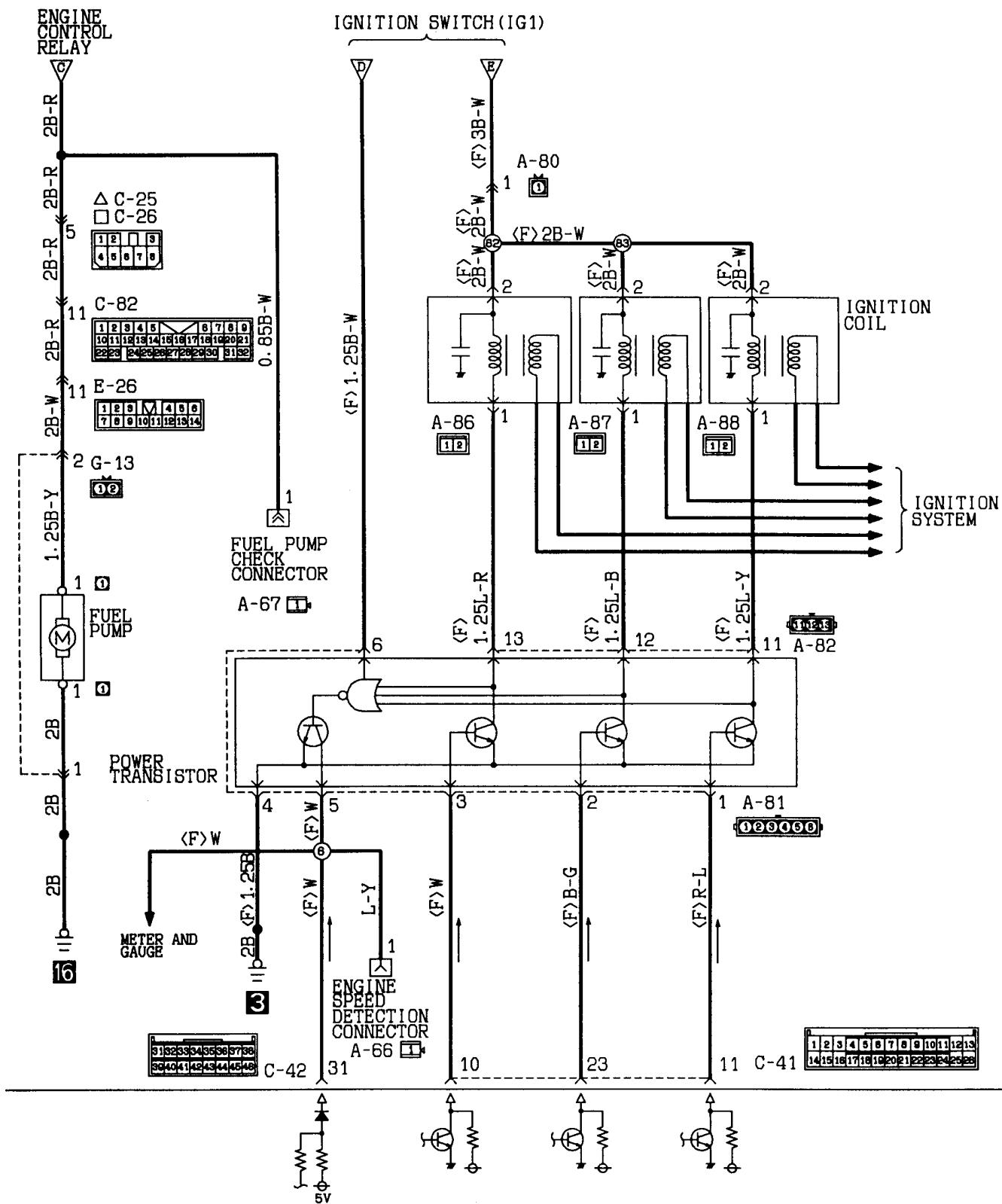
81	82	83	84	85	86	87	88	89	90	91	92
93	94	95	96	97	98	99	00	01	02	03	04

ENGINE CONTROL UNIT

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

CIRCUIT DIAGRAM

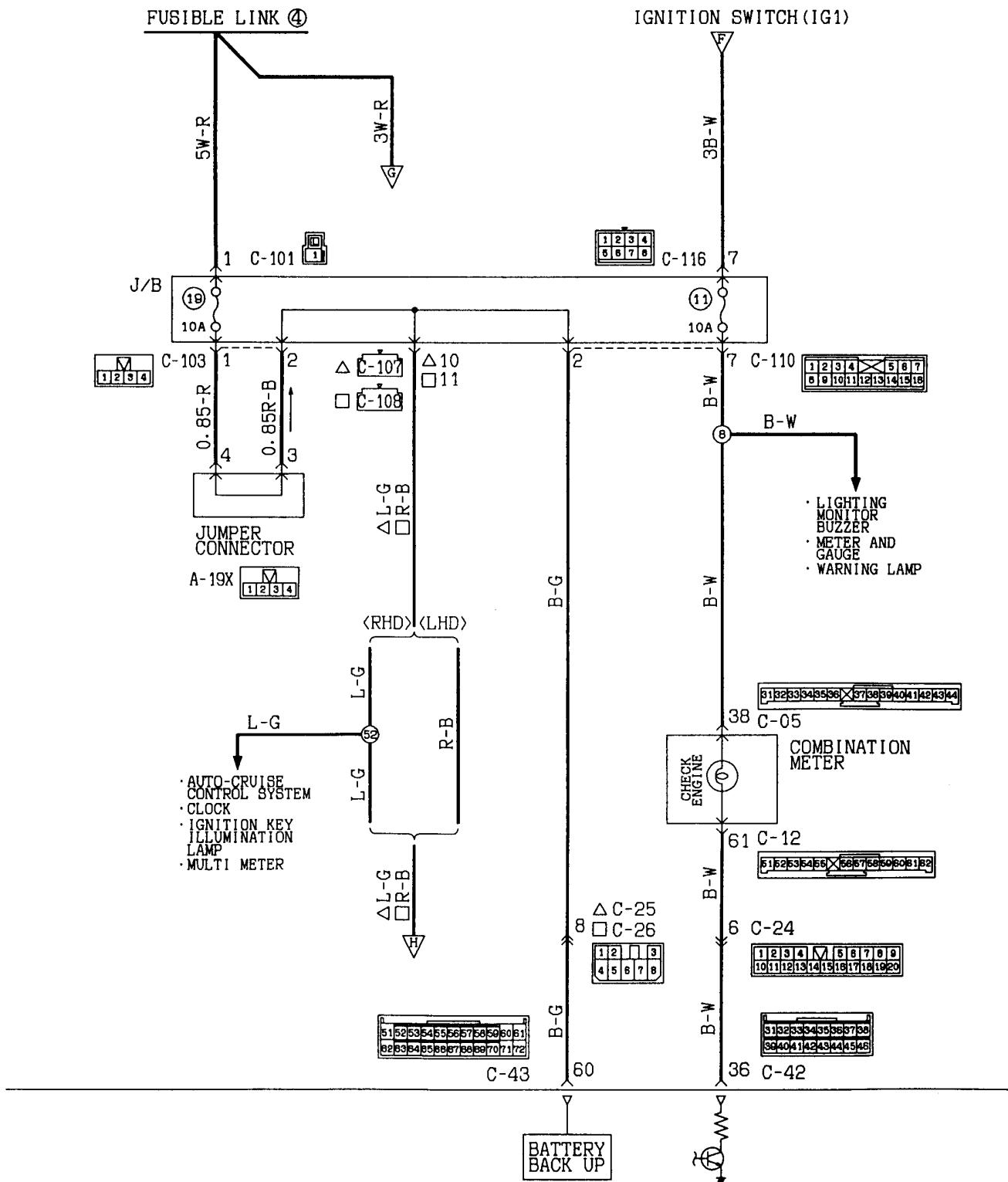
4A-63



ENGINE CONTROL UNIT

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

MPI SYSTEM<6G74-M/T> (CONTINUED)



ENGINE CONTROL UNIT

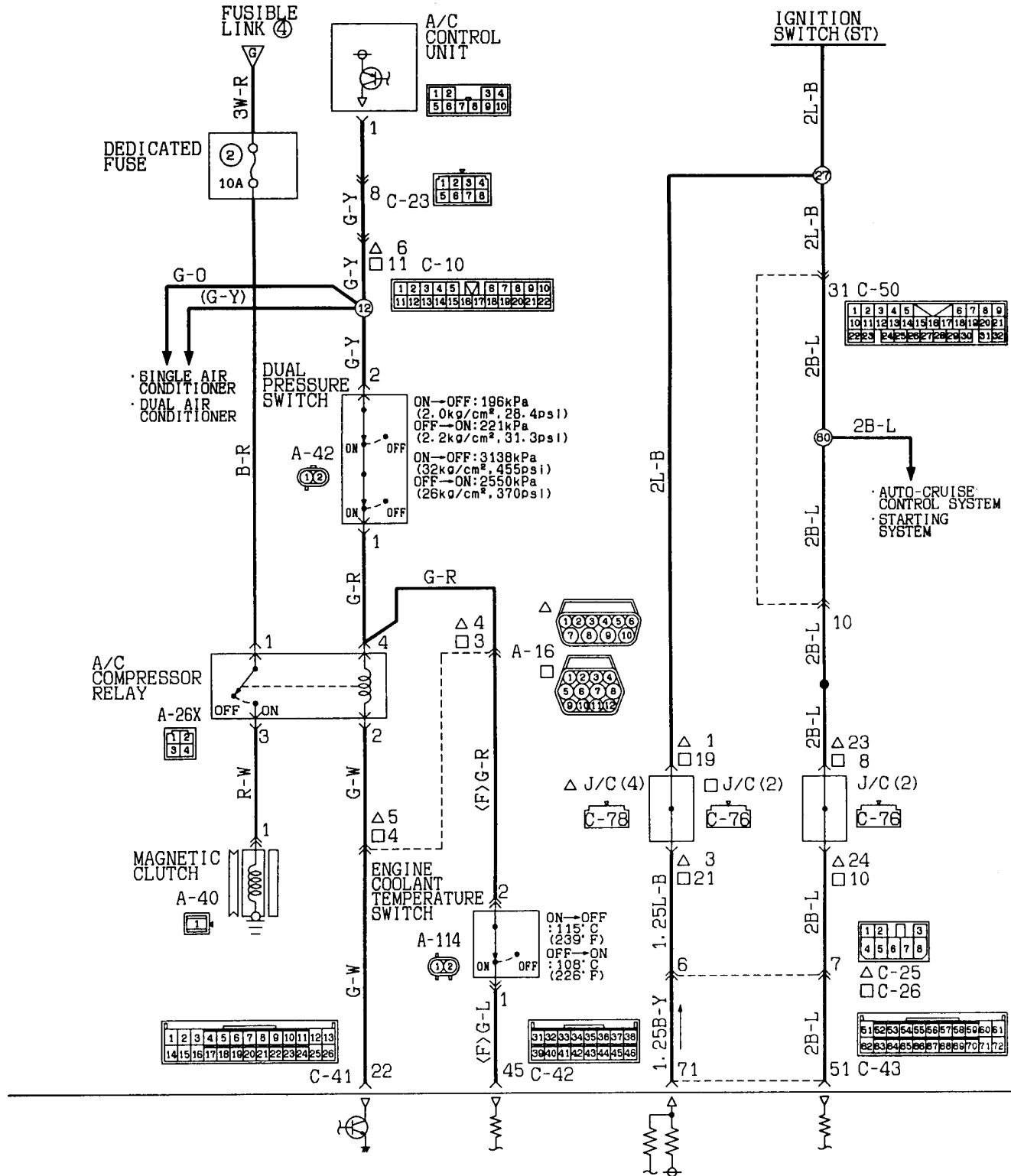
KX35-AC-00509A-EC

C-107

ENGI

CIRCUIT DIAGRAM

4A-65



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
BR:Brown
LG:Light green
O:Orange

G:Green
GR:Gray

L:Blue
R:Red

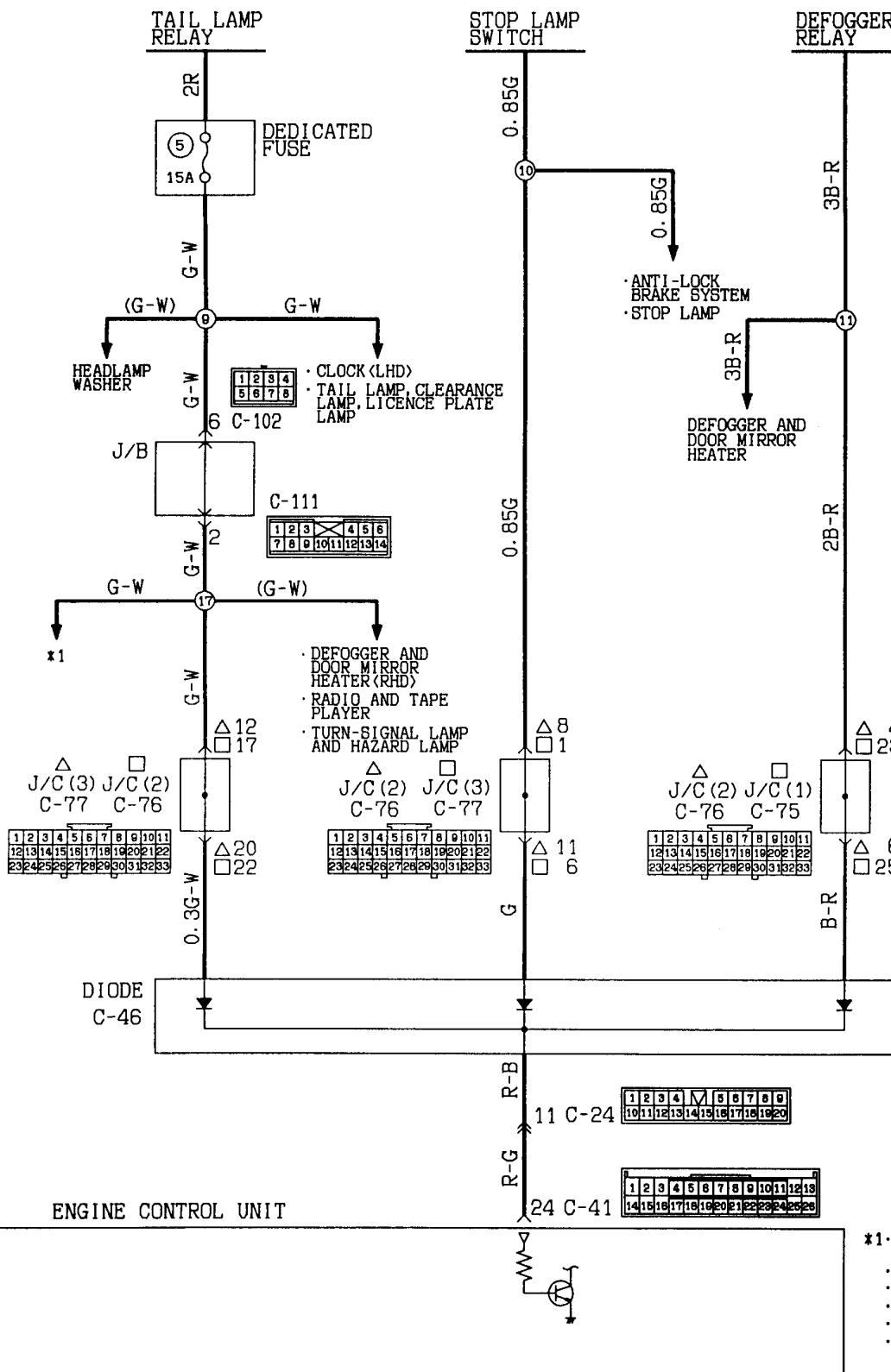
W:White
P:Pink

Y:Yellow
V:Violet

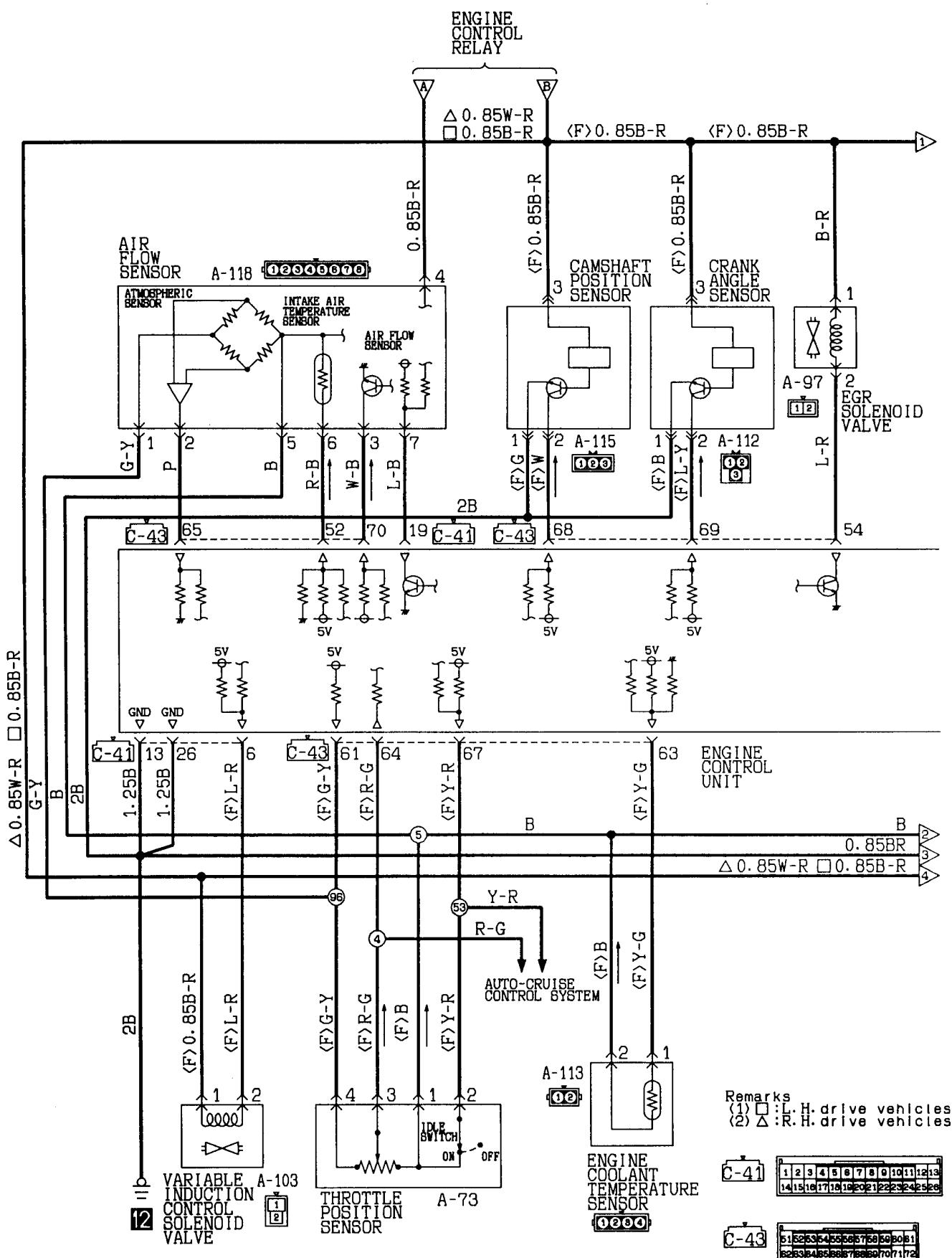
ENGINE CONTROL UNIT

SB:Sky blue

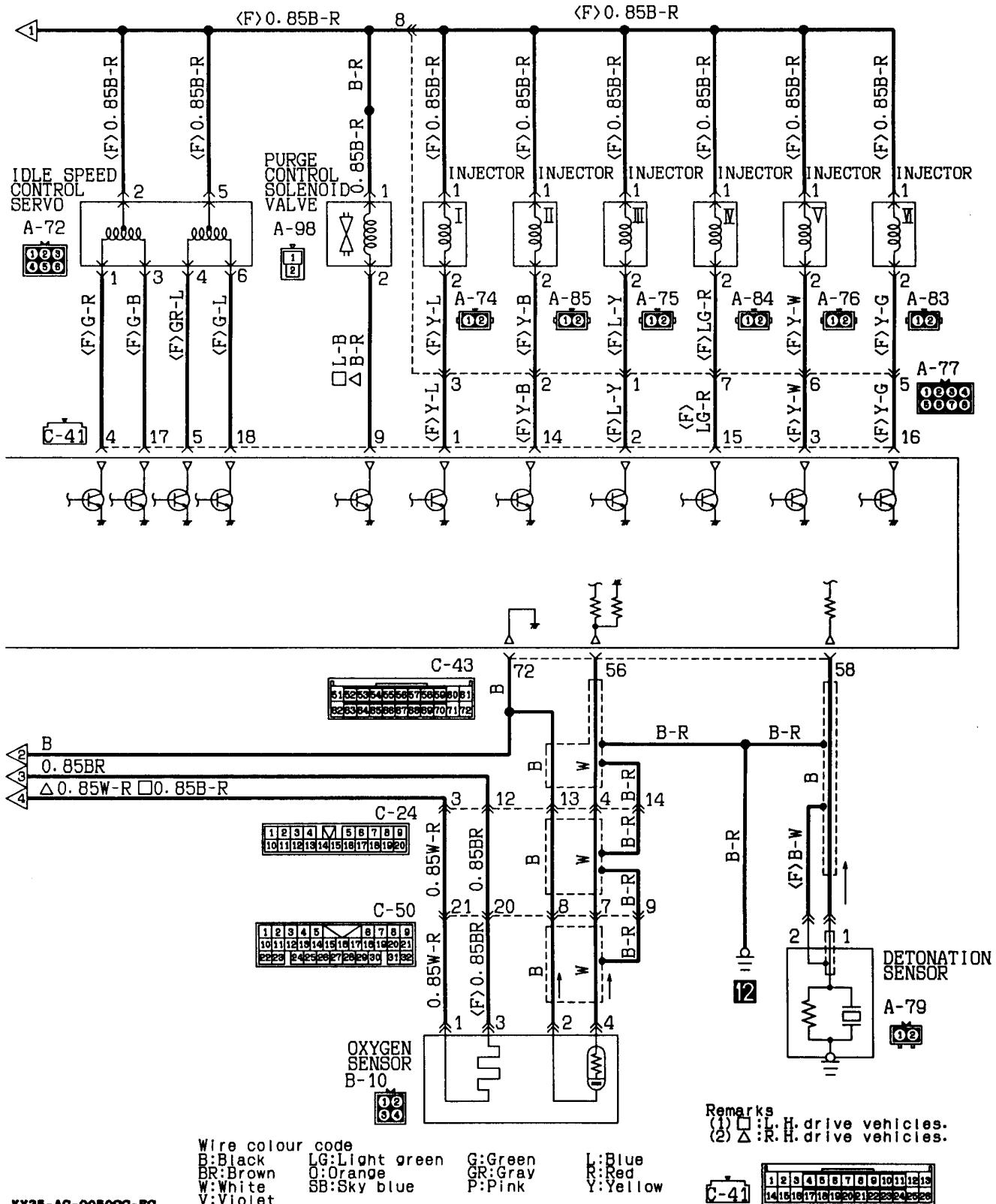
MPI SYSTEM <6G74-M/T> (CONTINUED)



- *1. CIGARETTE LIGHTER
- CLOCK
- HEATED SEAT
- HEATER
- MULTI-METER
- REAR DIFFERENTIAL LOCK SYSTEM



MPI SYSTEM<6G74-M/T> (CONTINUED)



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

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

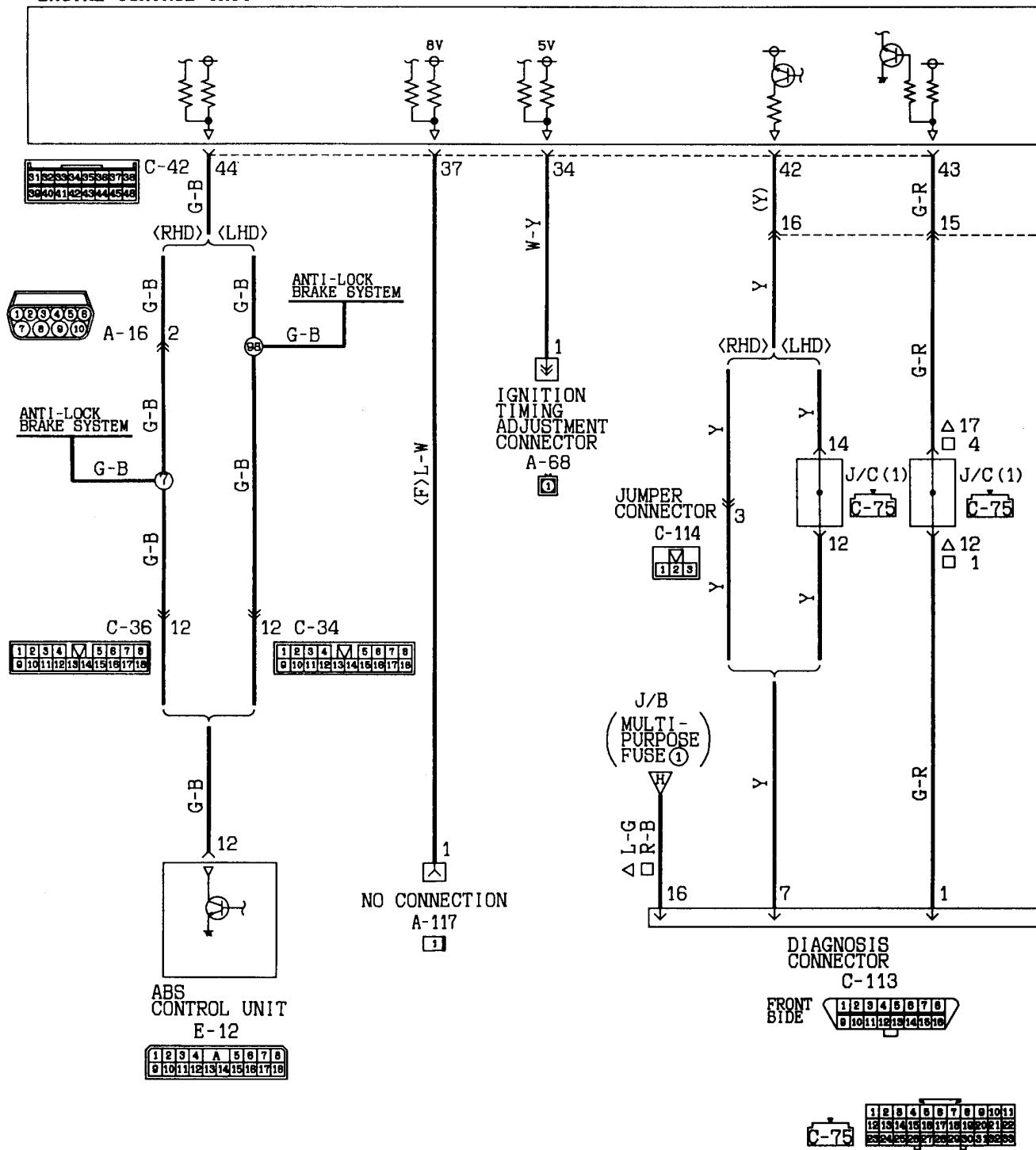
Remarks
(1) L. H. drive vehicles.
(2) R. H. drive vehicles.

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

CIRCUIT DIAGRAM

4A-69

ENGINE CONTROL UNIT



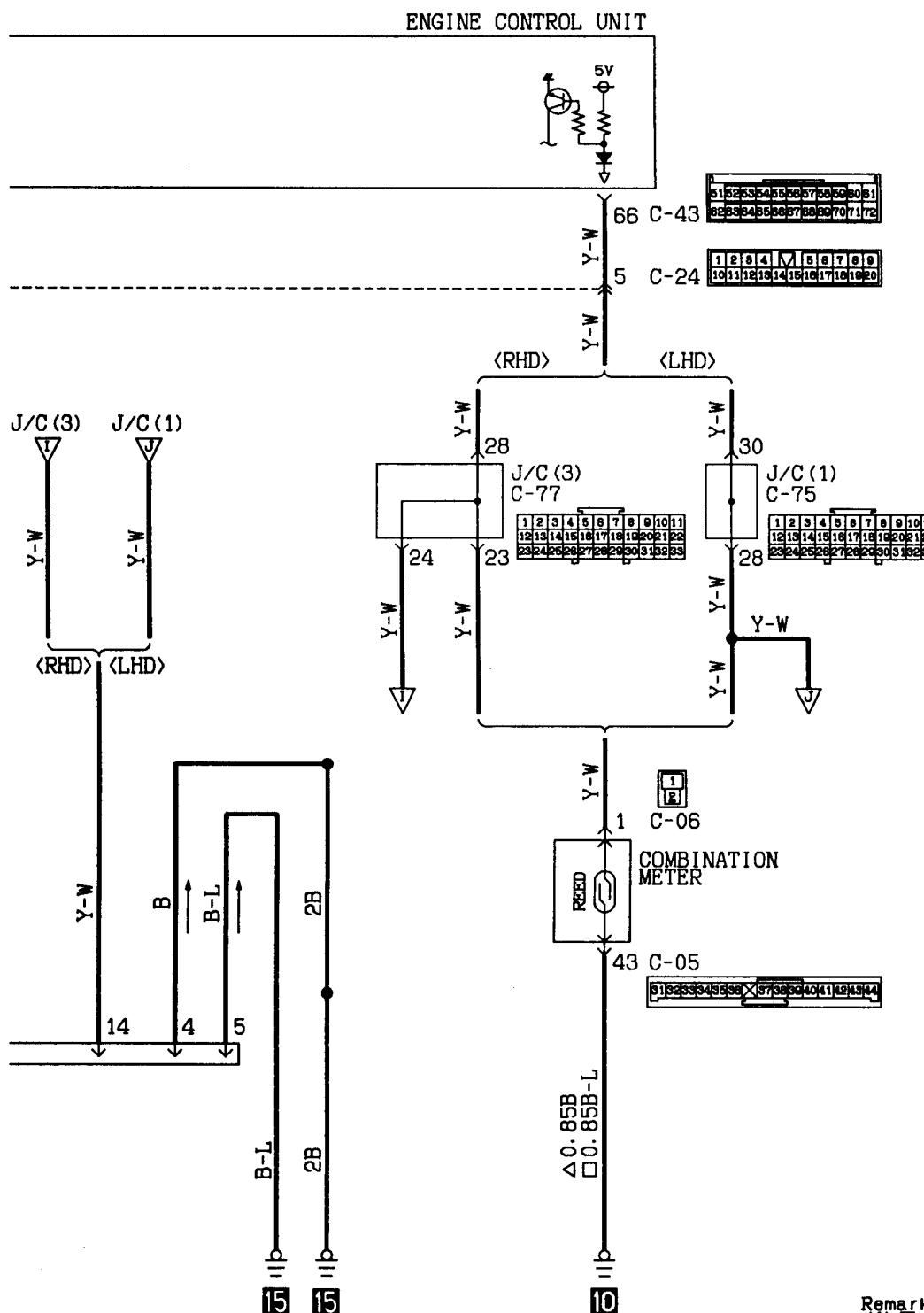
KX35-AC-00509D-EC

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ADDED

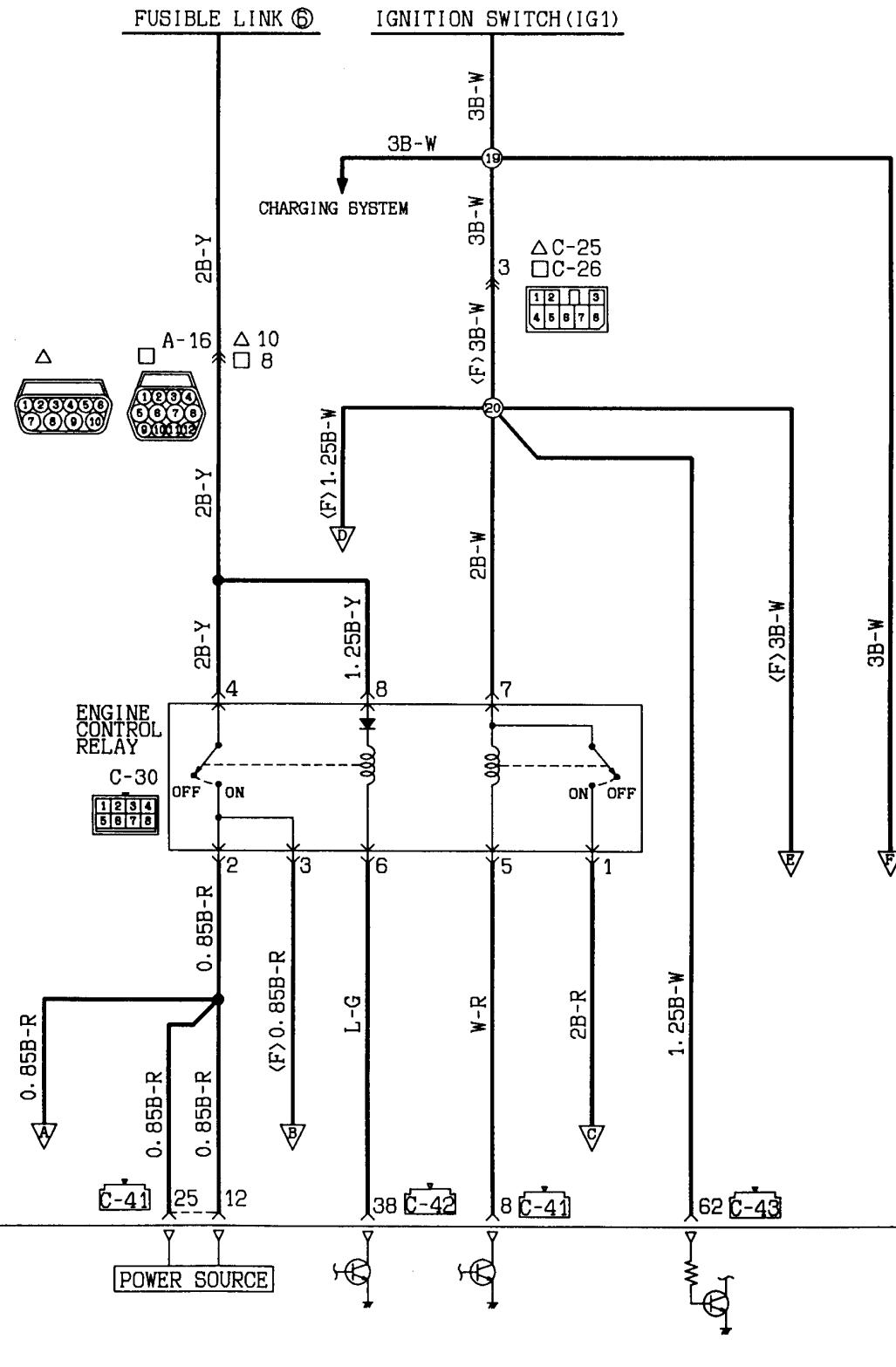
MPI SYSTEM <6G74-M/T> (CONTINUED)



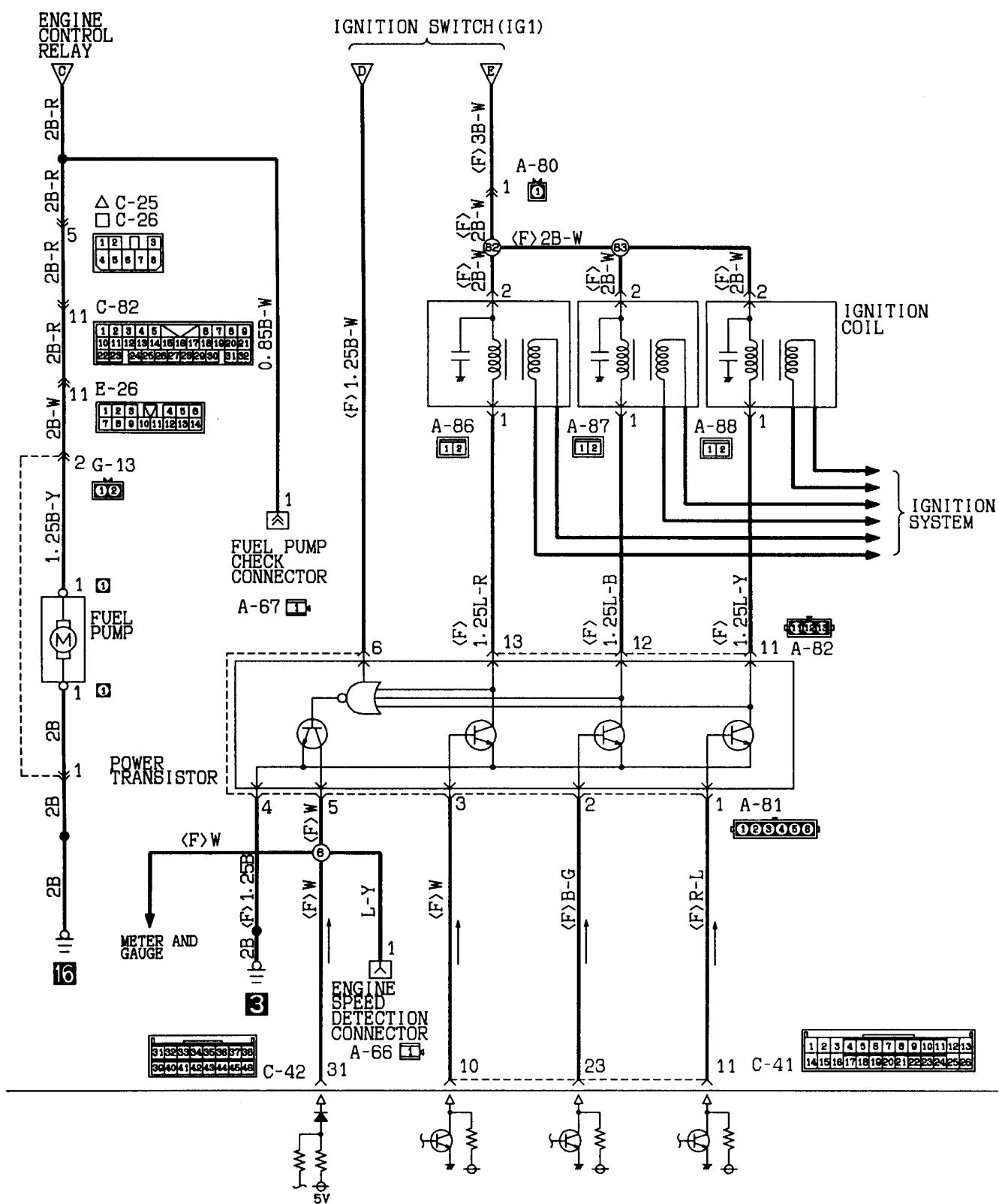
Wire colour code

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

NOTES

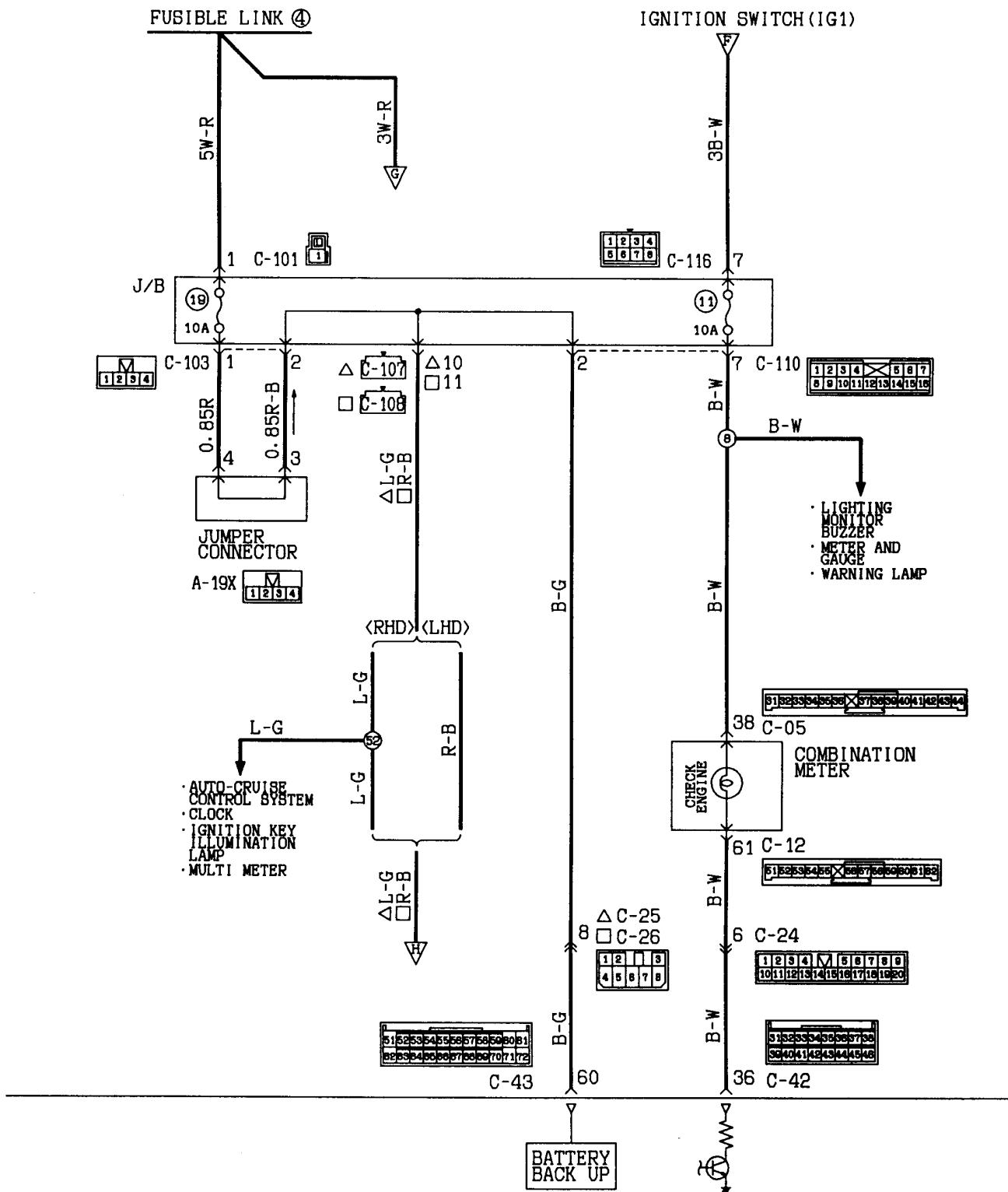
**MPI SYSTEM
6G74-A/T**

ENGINE CONTROL UNIT
Remarks

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



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

MPI SYSTEM<6G74-A/T> (CONTINUED)



ENGINE CONTROL UNIT

KX35-AC-90508A-EC

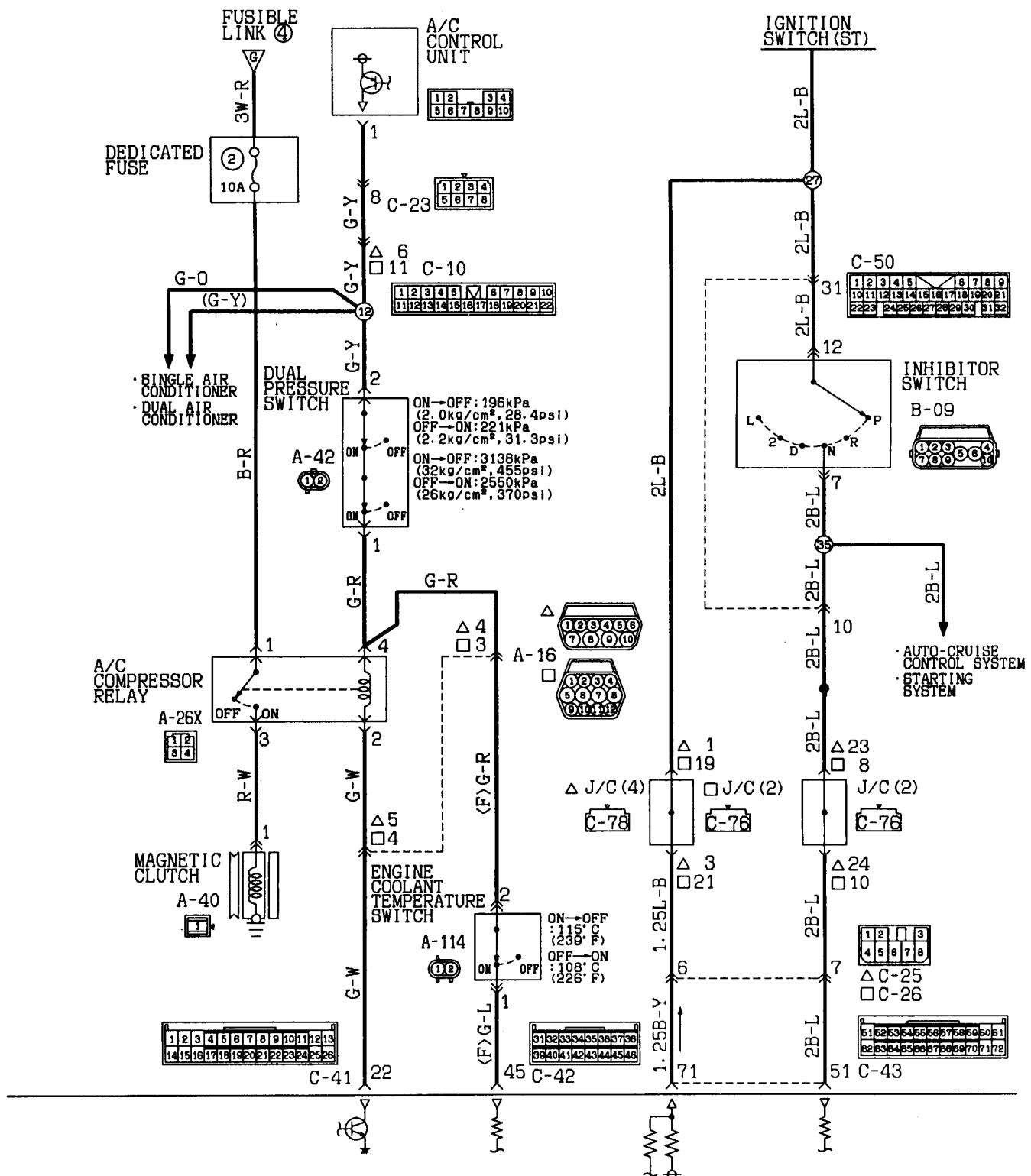
C-107

C-108

ENGI

CIRCUIT DIAGRAM

4A-75



C-76

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

Wire colour code
B:Black LG:L
BR:Brown O:Orange

ght green G:Green
nge GR:Gray

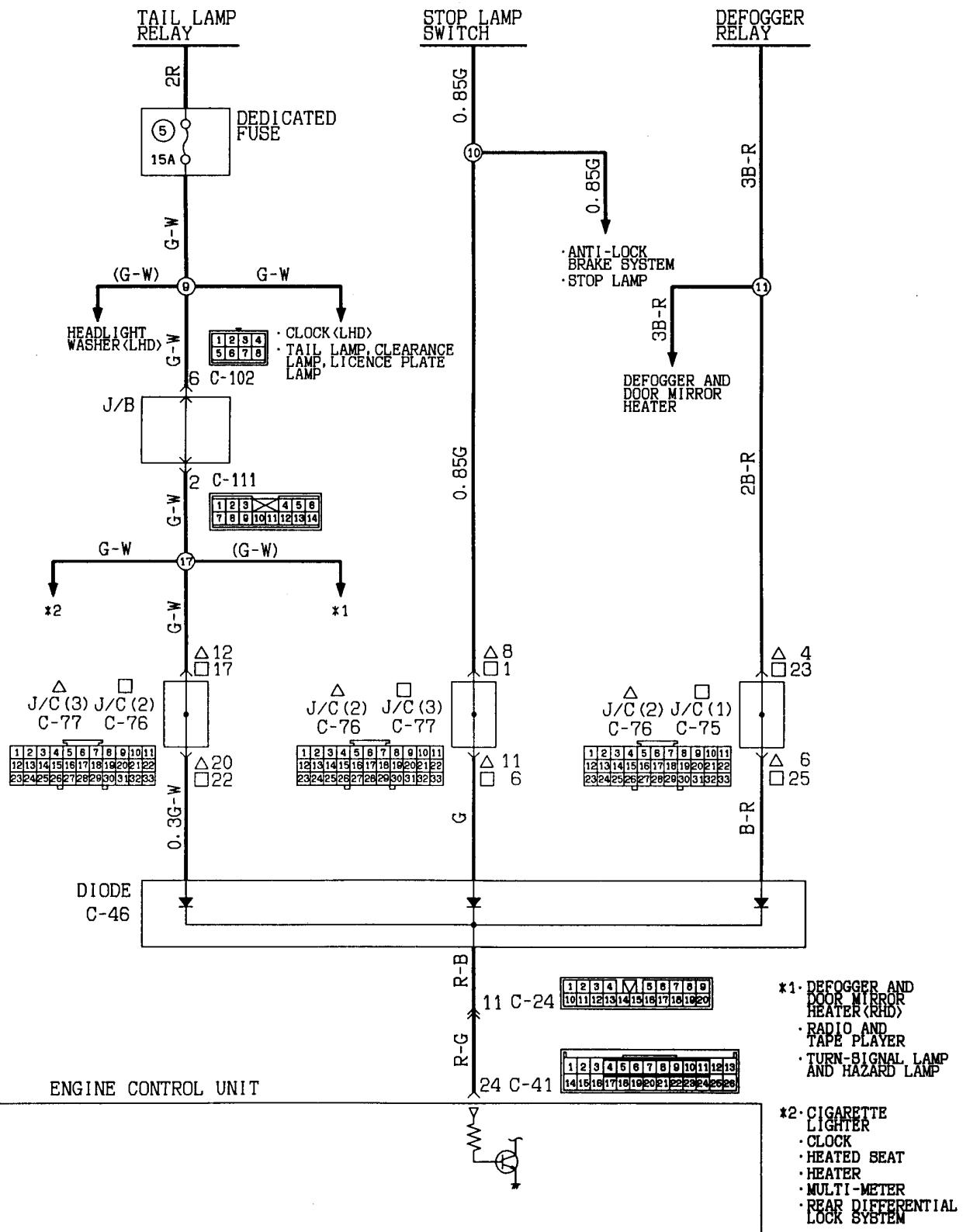
L:Blue
R:Red

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

SB:Sky blue

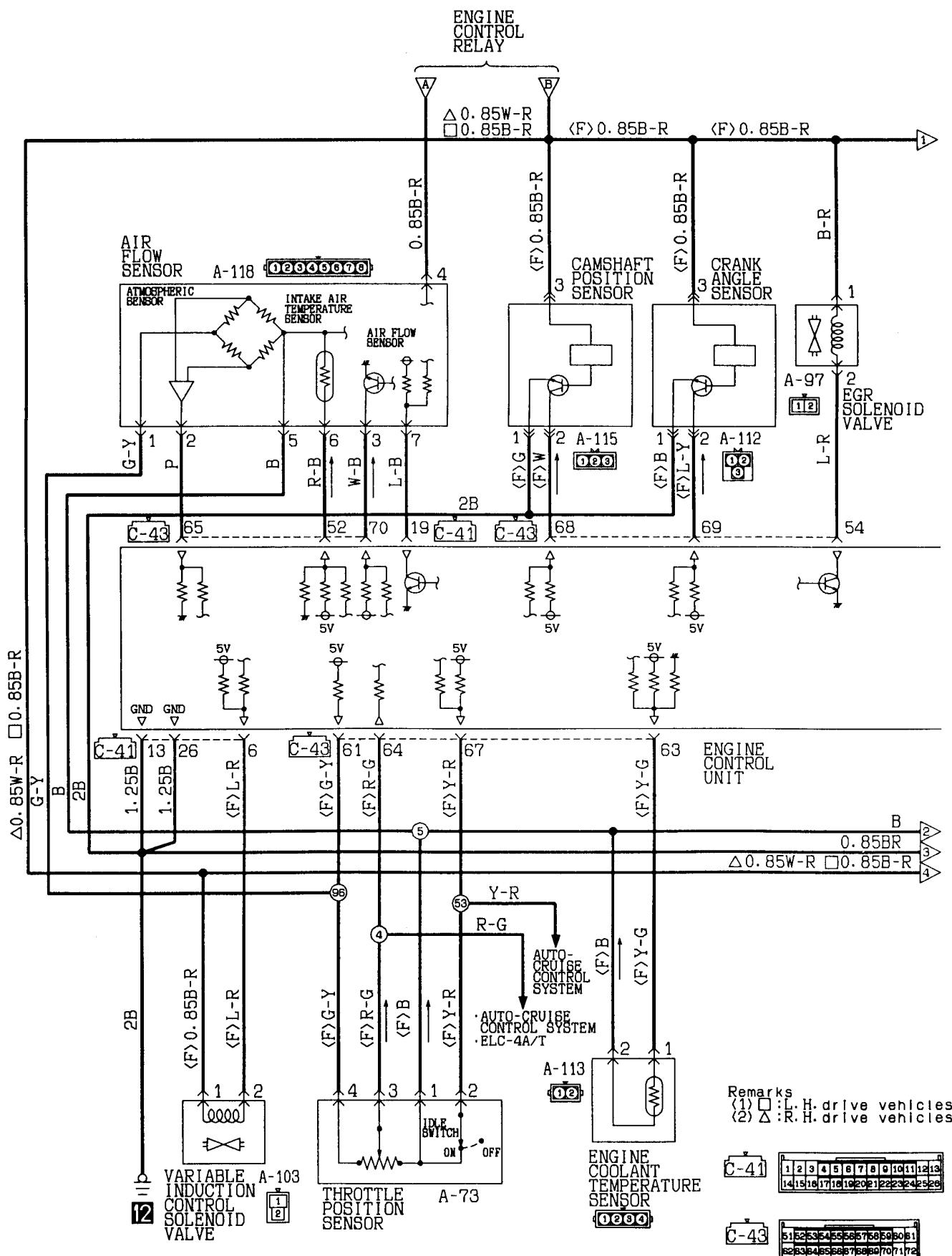
ENGINE CONTROL UNIT

MPI SYSTEM <6G74-A/T> (CONTINUED)

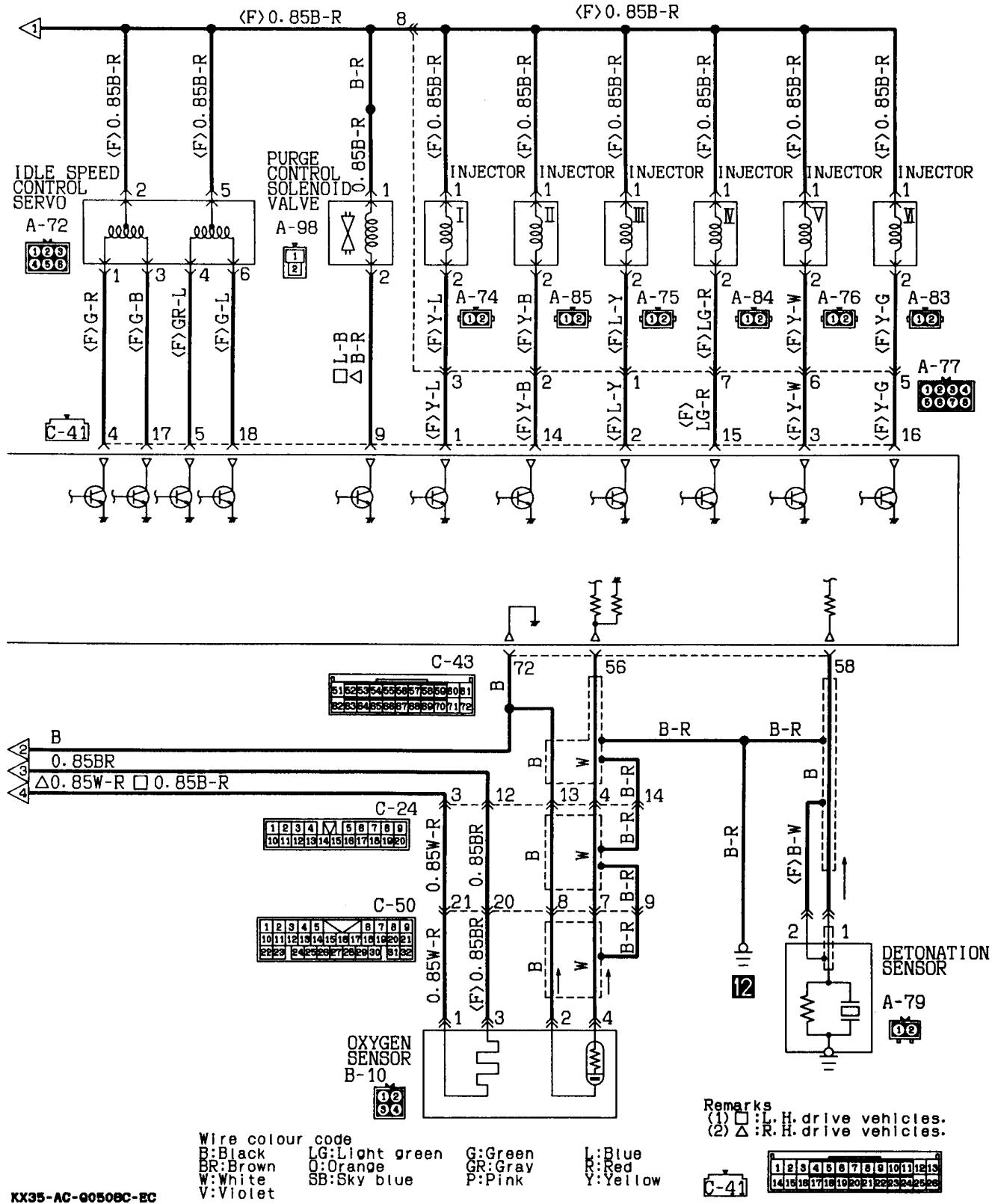


Wire colour code

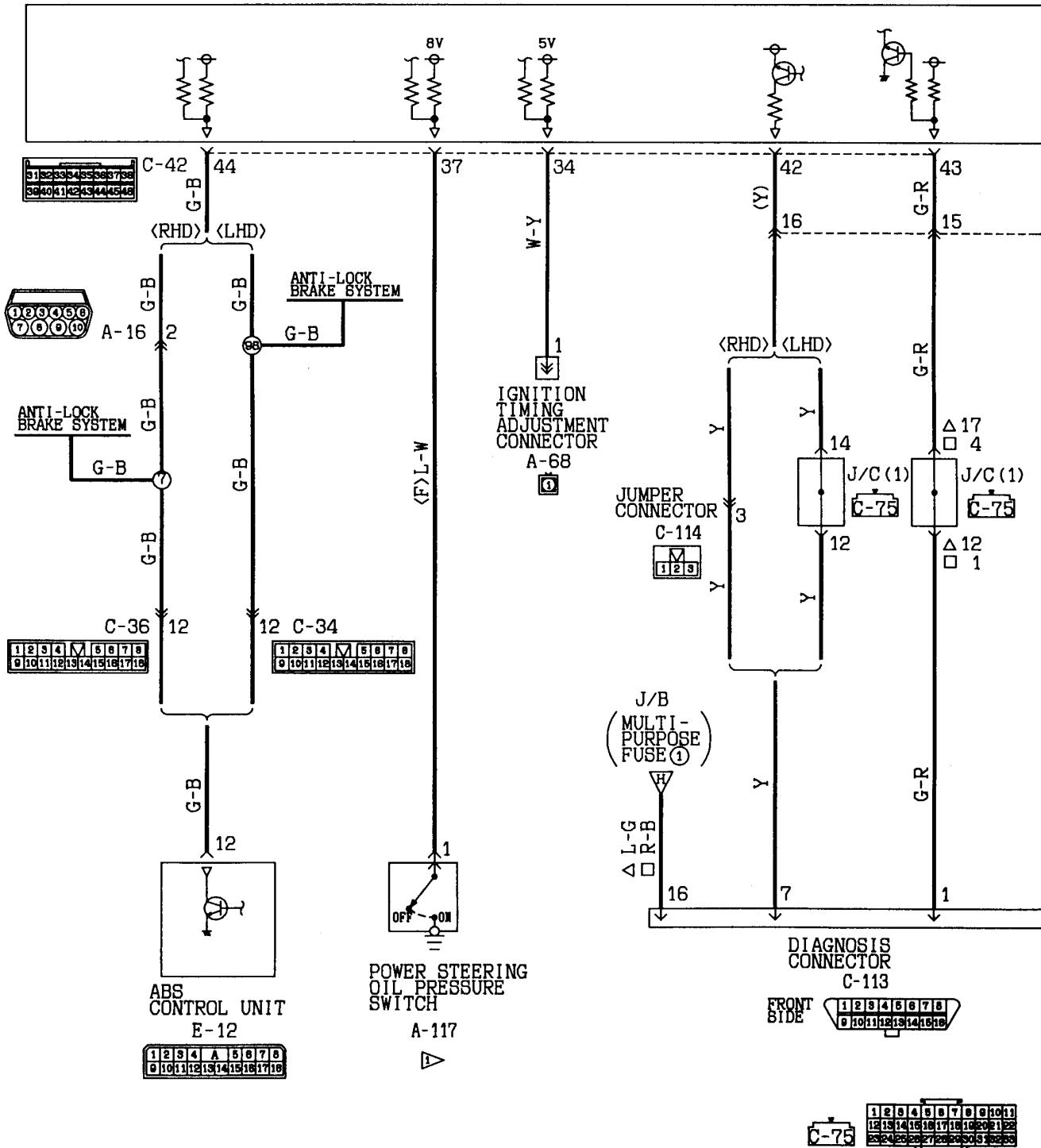
B:Black	LG:Light green	G:Green	I:Blue	W:White	Y:Yellow	SB:Sky blue
BR:Brown	O:Orange	GR:Gray	R:Red	P:Pink	V:Violet	



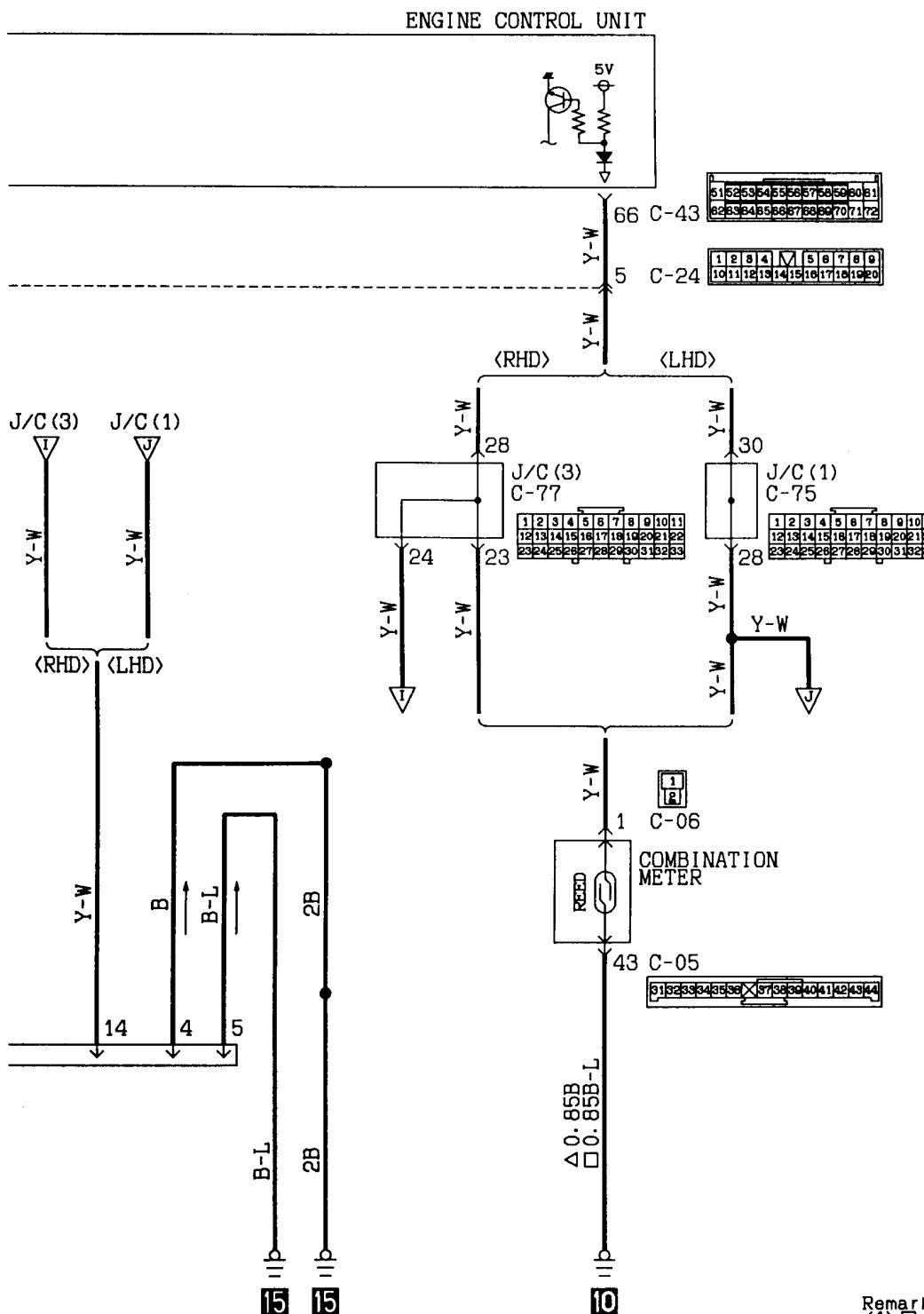
MPI SYSTEM <6G74-A/T> (CONTINUED)



ENGINE CONTROL UNIT



MPI SYSTEM <6G74-A/T> (CONTINUED)

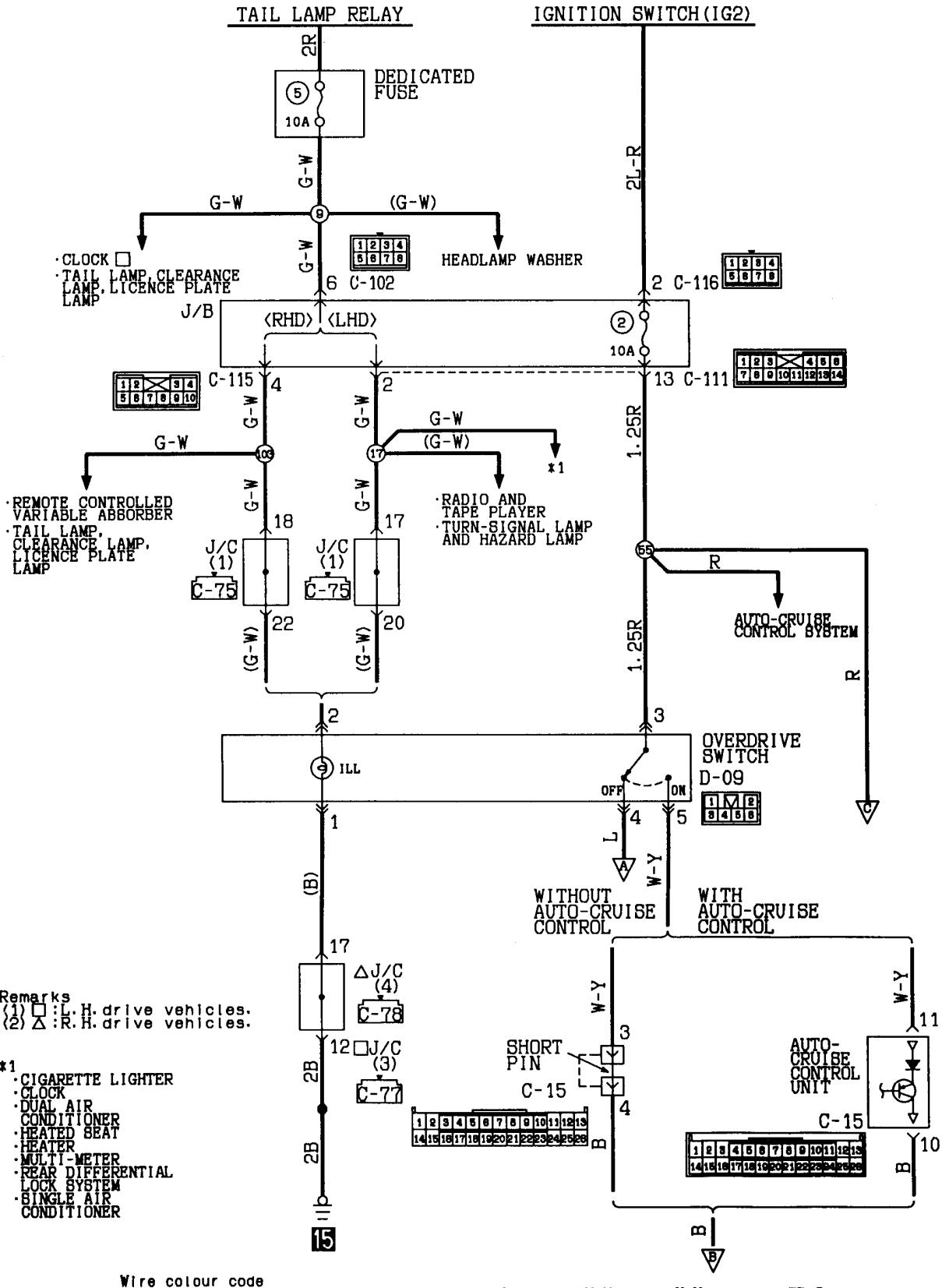


Remarks
 (1) □ : L.H. drive vehicles
 (2) Δ : R.H. drive vehicles

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

NOTES

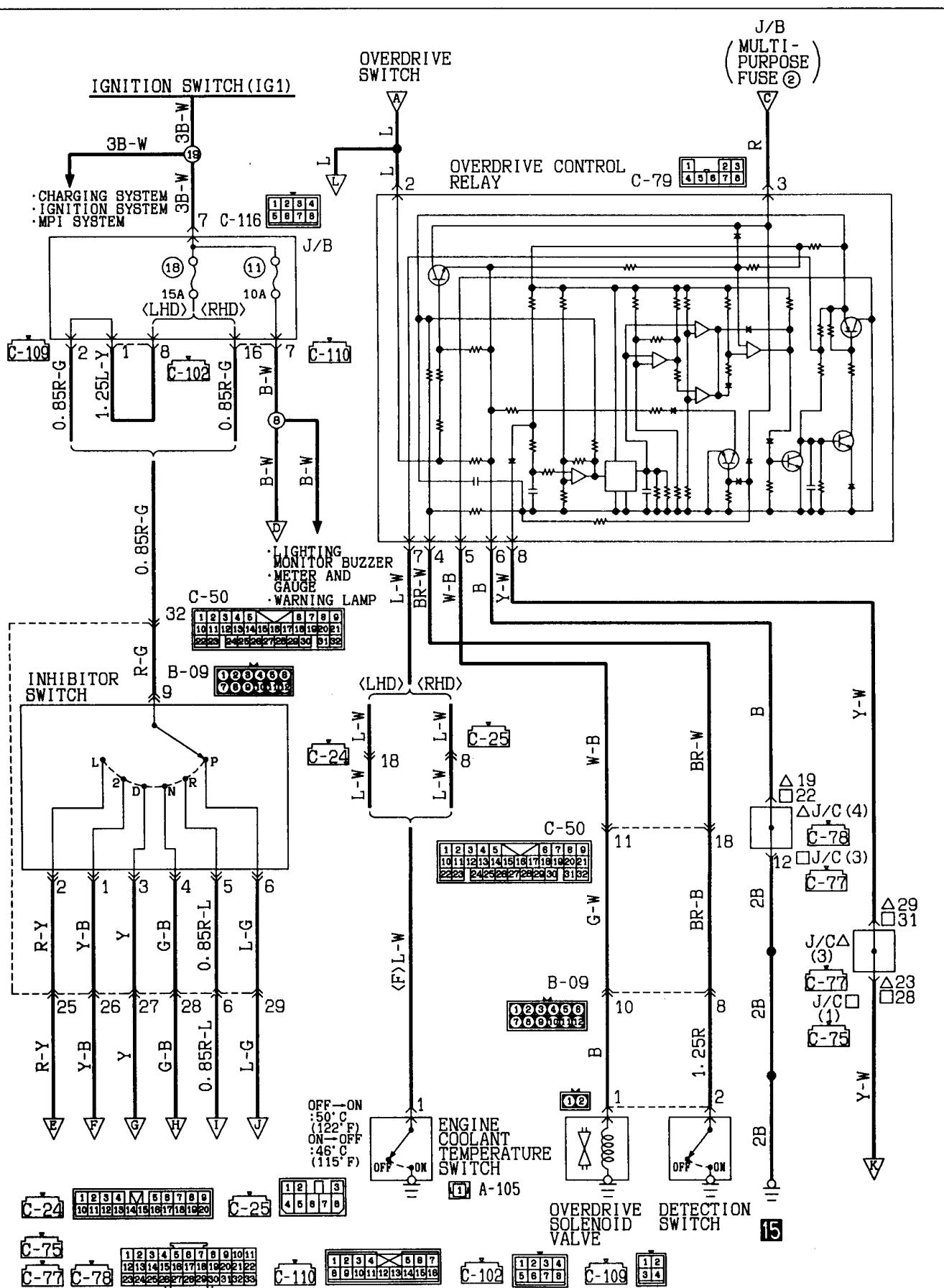
OVERDRIVE CONTROL SYSTEM 6G72 engine

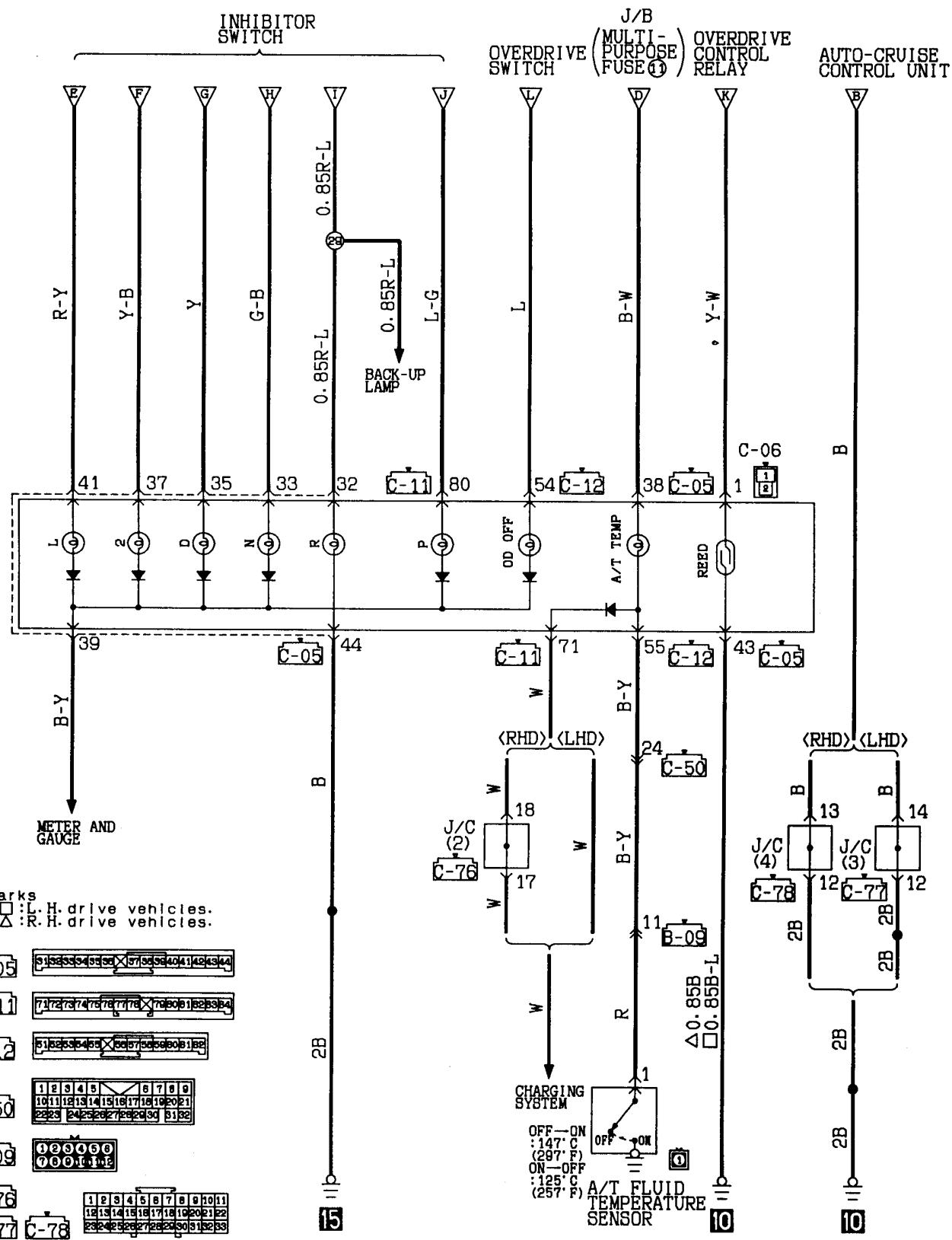


Remarks
(1) : L.H. drive vehicles.
(2) : R.H. drive vehicles.

- *1 CIGARETTE LIGHTER
- CLOCK
- DUAL AIR CONDITIONER
- HEATED SEAT
- HEATER
- MULTI-METER
- REAR DIFFERENTIAL LOCK SYSTEM
- SINGLE AIR CONDITIONER

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



OVERDRIVE CONTROL SYSTEM (6G72 engine)
 (CONTINUED)


OVERDRIVE CONTROL SYSTEM (See P. 4A-82.)**OPERATION****Overdrive solenoid valve**

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), battery voltage is applied, through fuse No. ② and the overdrive relay, to the engine coolant temperature switch.
- When the engine coolant temperature becomes 50°C (122°F) or higher, the engine coolant temperature switch is switched ON.
- When the engine coolant temperature switch is switched ON, current flows to the ignition switch, fuse No. ②, the overdrive switch, the overdrive relay, the engine coolant temperature switch, and earth, and the relay is switched ON.
- When the overdrive relay is switched OFF, current flows to the ignition switch, fuse No. ②, the overdrive switch, the overdrive relay, the overdrive solenoid, and earth, and the solenoid valve is activated.

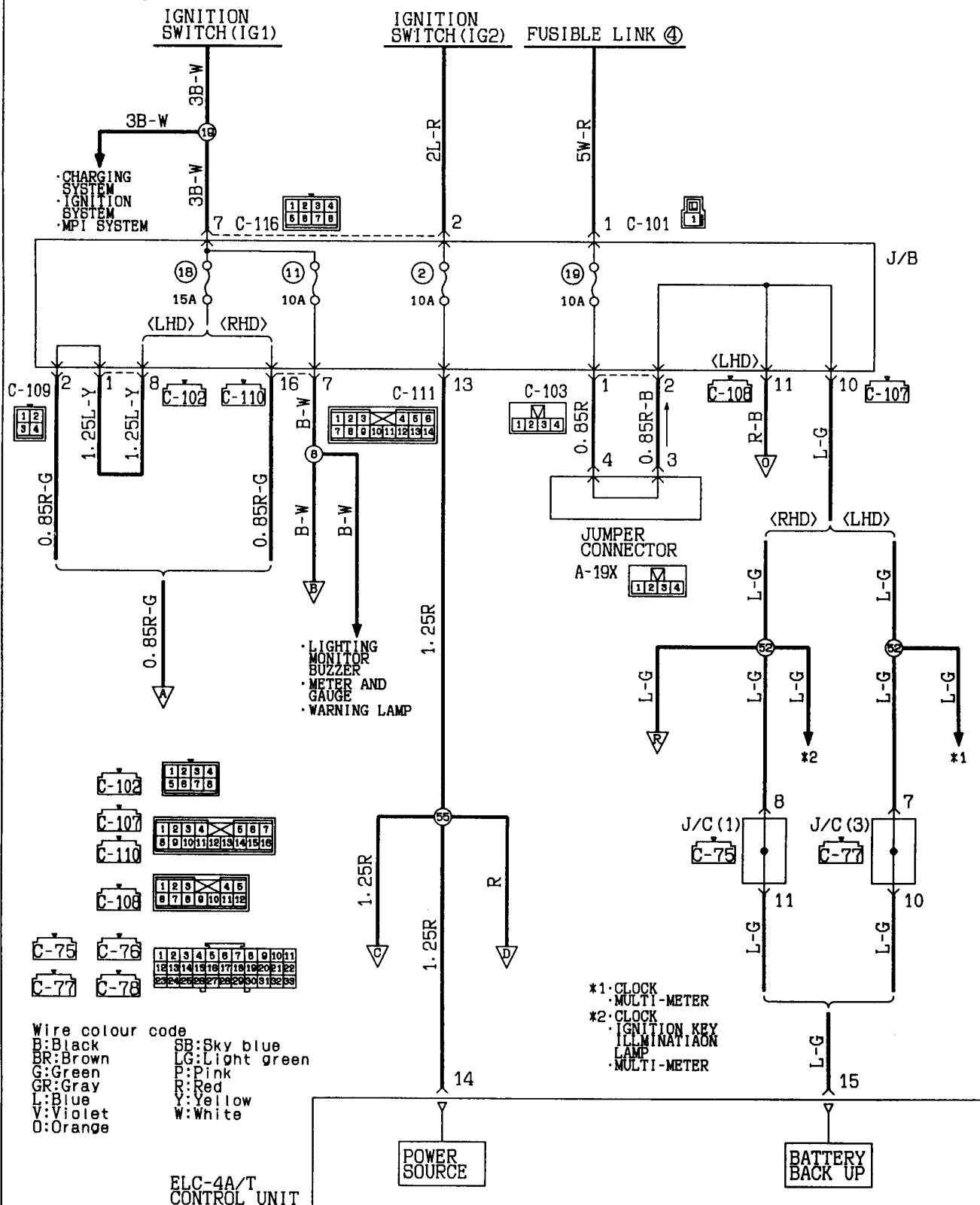
Overdrive off indicator lamp

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), current flows to the ignition switch, fuse No. ②, the overdrive switch, the overdrive off indicator, and earth, and the indicator illuminates.

Automatic transmission oil temperature warning lamp

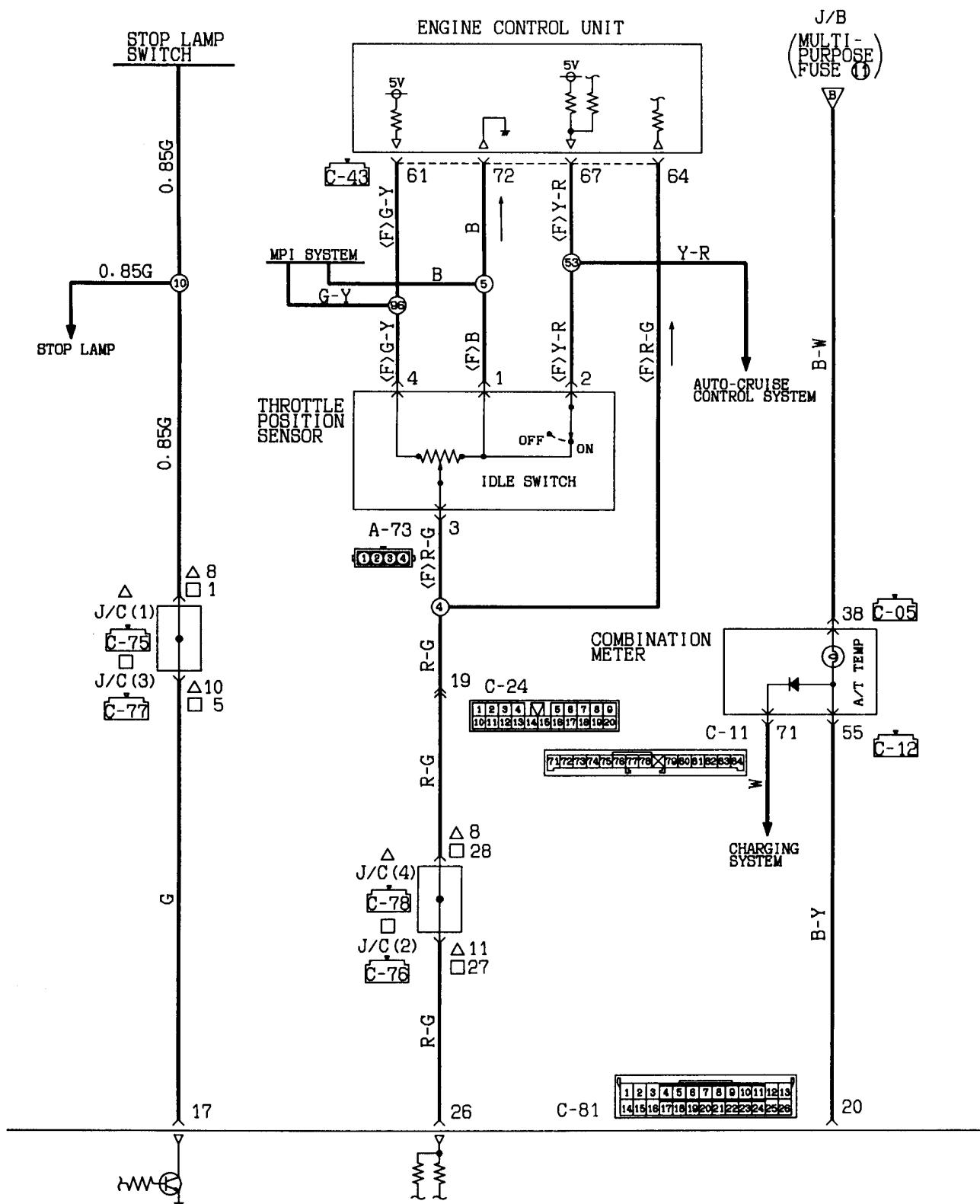
- When the ignition switch is turned to the "ON" position (with the engine stopped), the automatic transmission oil temperature warning lamp comes on and the lamp switches OFF when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When the automatic transmission oil temperature becomes abnormally high, the automatic transmission oil temperature switch turns ON causing the automatic transmission oil temperature warning lamp to light up.

ELC 4-SPEED AUTOMATIC TRANSMISSION 6G74 engine



CIRCUIT DIAGRAM

4A-87

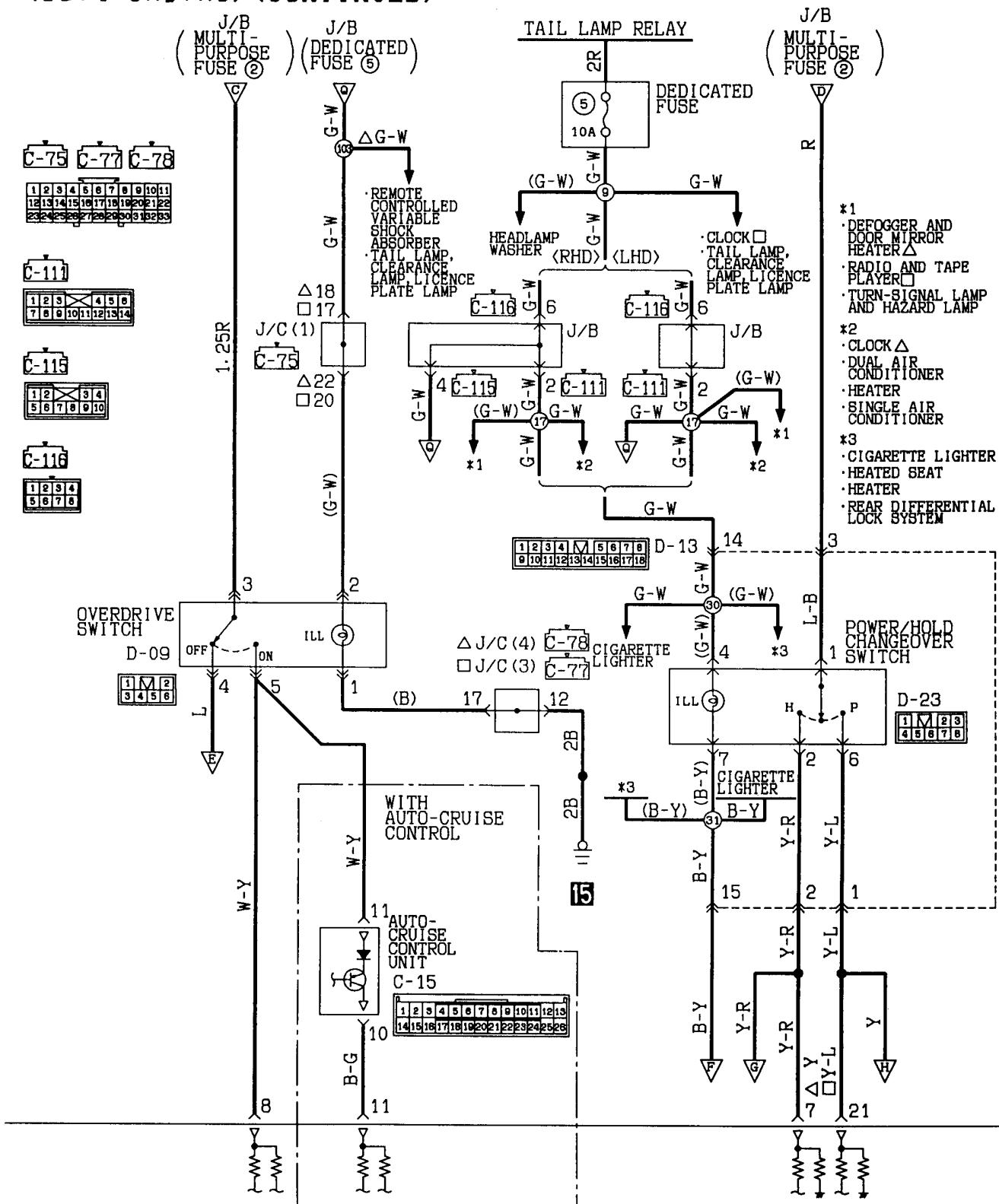


ELC-4A/T CONTROL UNIT

C-43 51 52 53 54 55 X 56 57 58 59 60 61 62

C-12 51 52 53 54 55 X 56 57 58 59 60 61 62

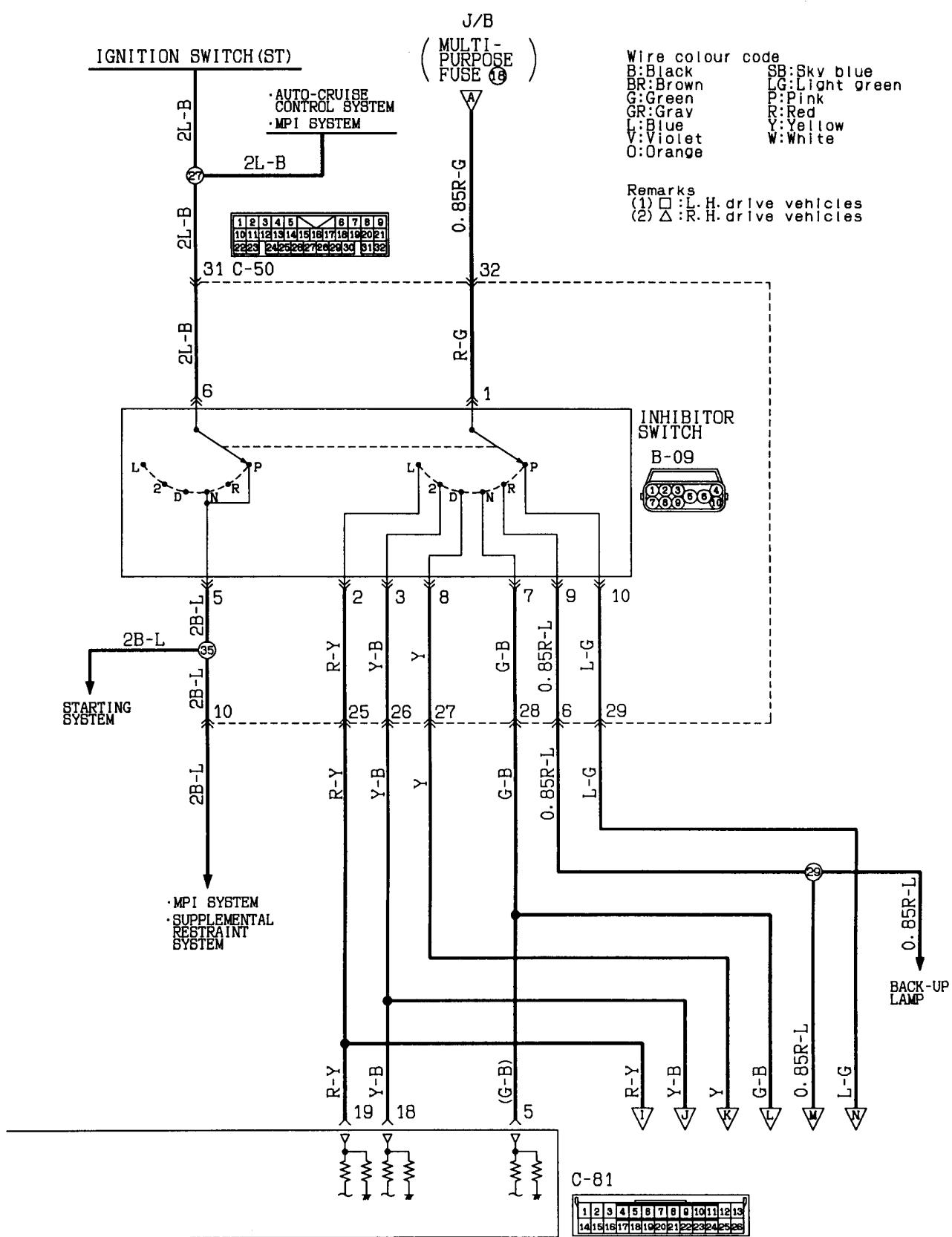
C-05 31 32 33 34 35 36 X 37 38 39 40 41 42 43 44

ELC 4-SPEED AUTOMATIC TRANSMISSION
<6G74 engine> (CONTINUED)

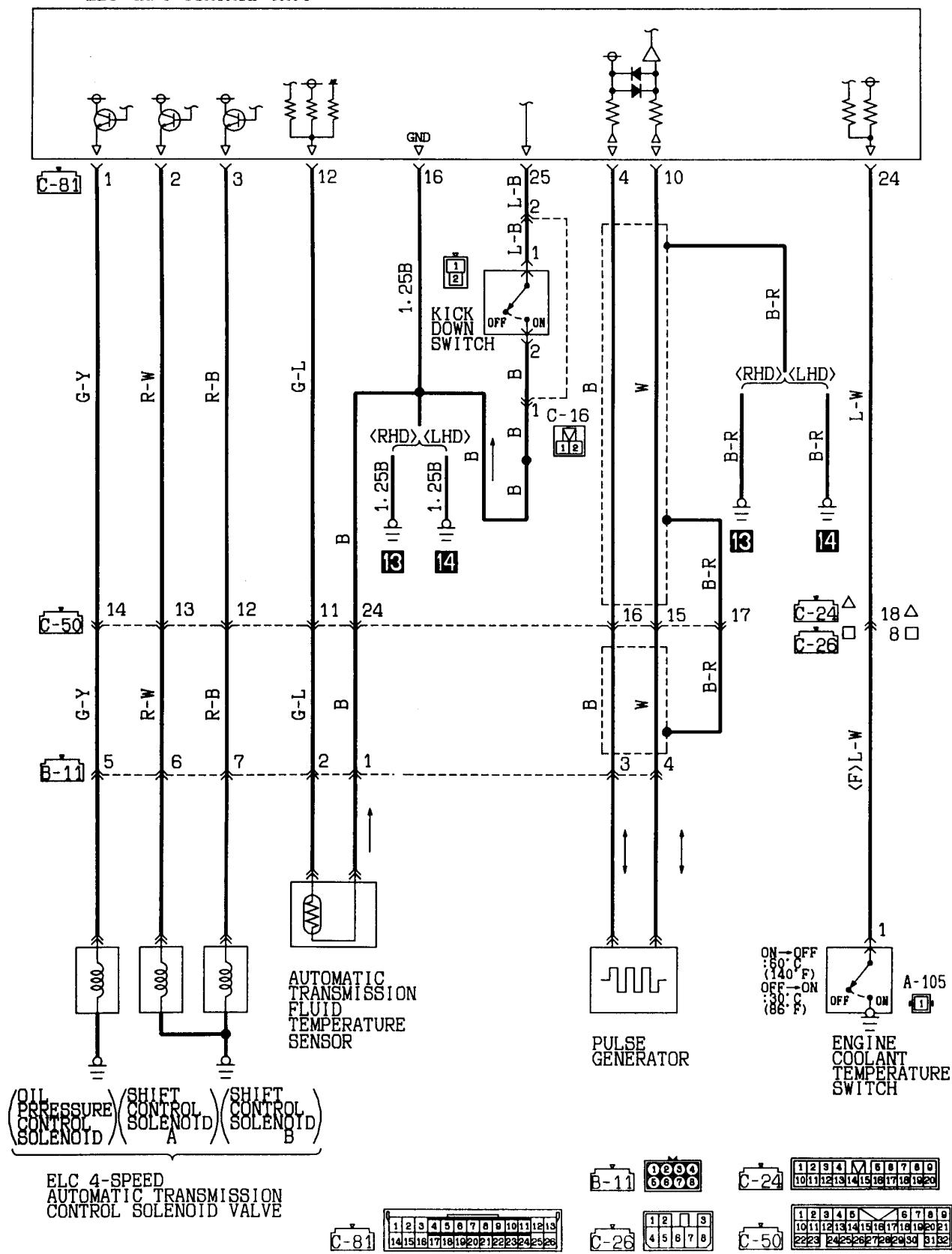
ELC-4A/T CONTROL UNIT

CIRCUIT DIAGRAM

4A-89



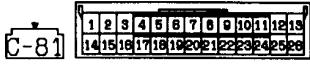
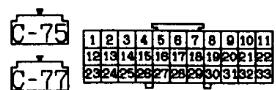
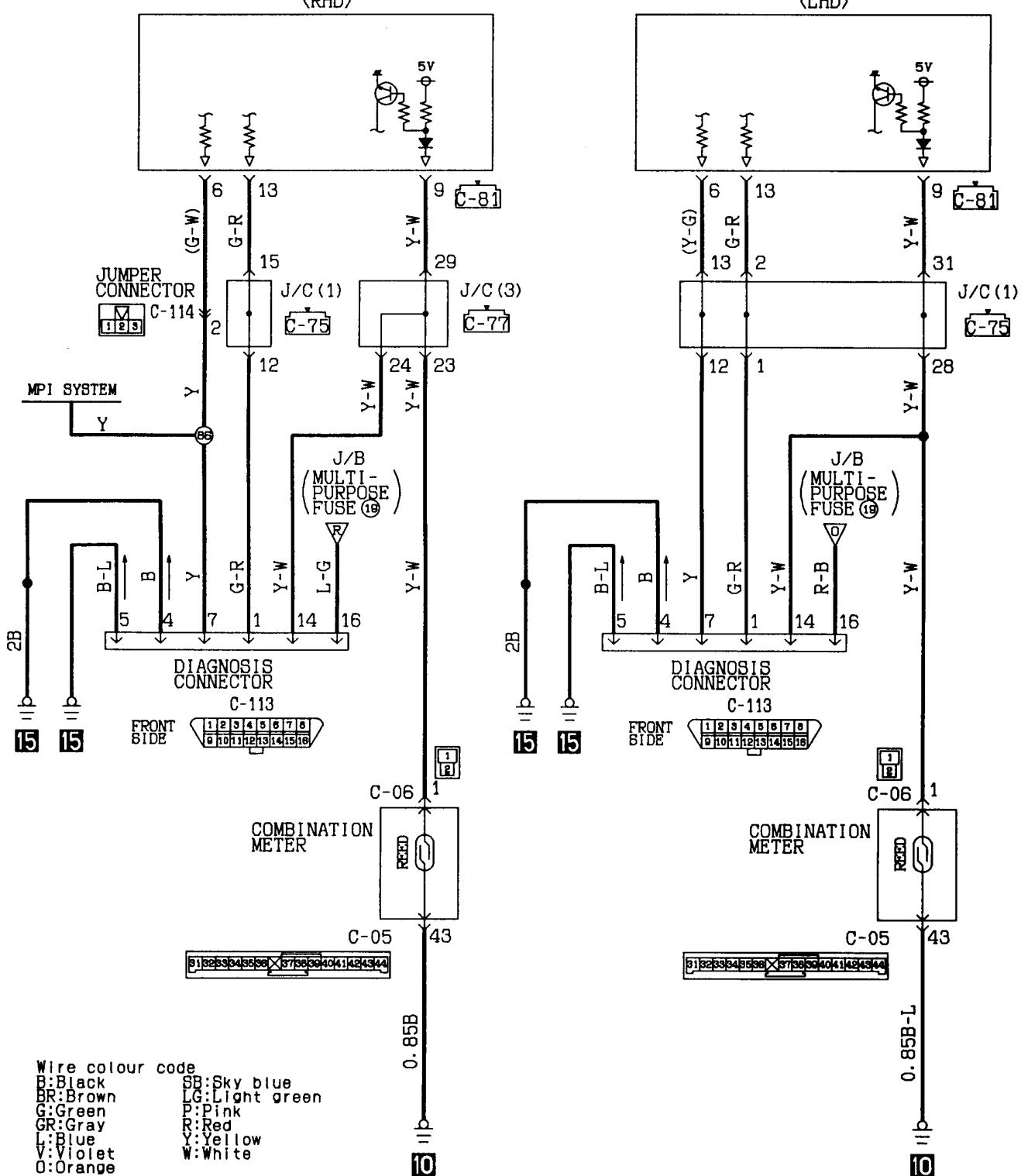
ELC-4A/T CONTROL UNIT



ELC 4-SPEED AUTOMATIC TRANSMISSION
<6G74 engine> (CONTINUED)

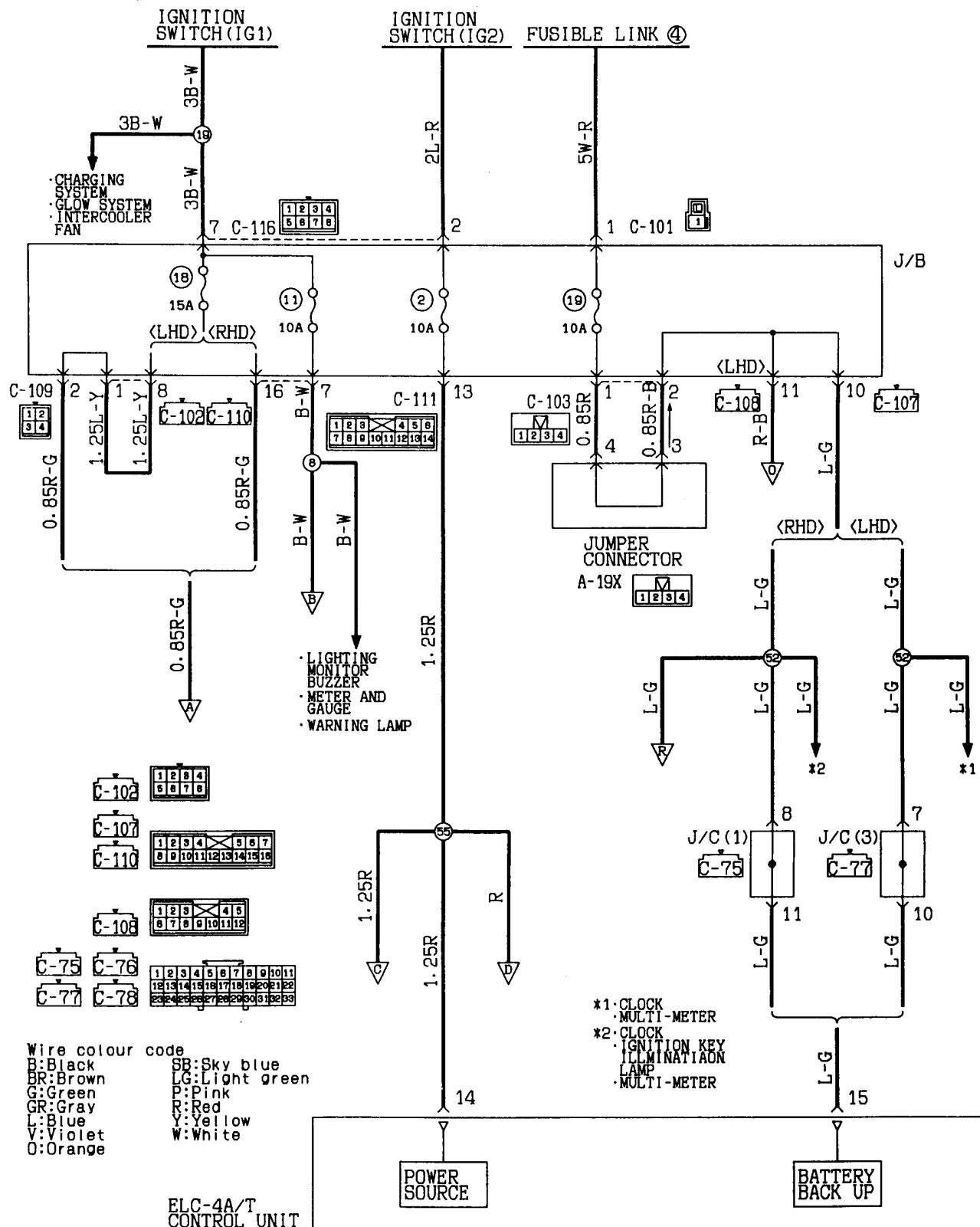
ELC-4A/T CONTROL UNIT

<LHD>



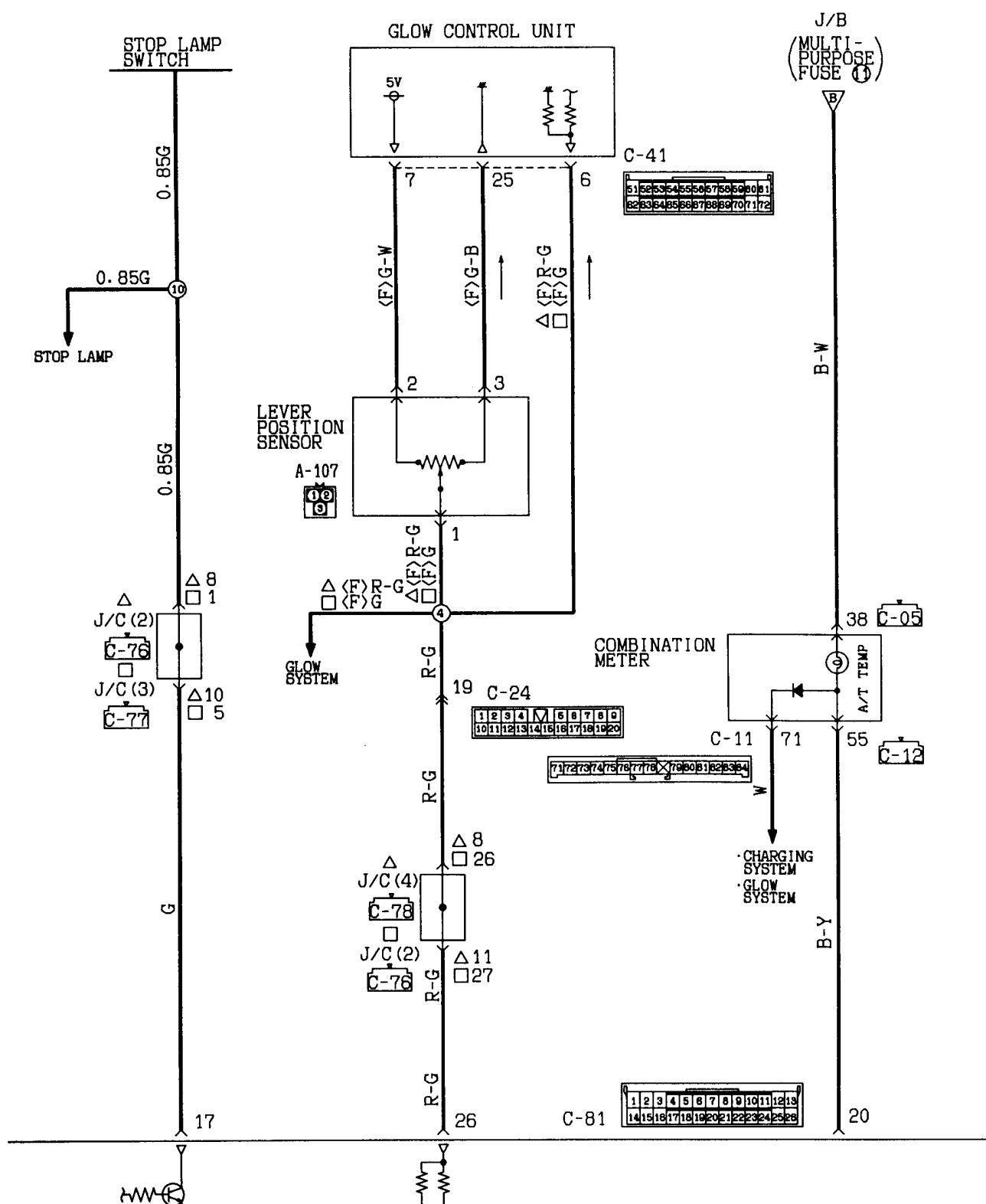
NOTES

ELC 4-SPEED AUTOMATIC TRANSMISSION 4M40 engine



CIRCUIT DIAGRAM

4A-95



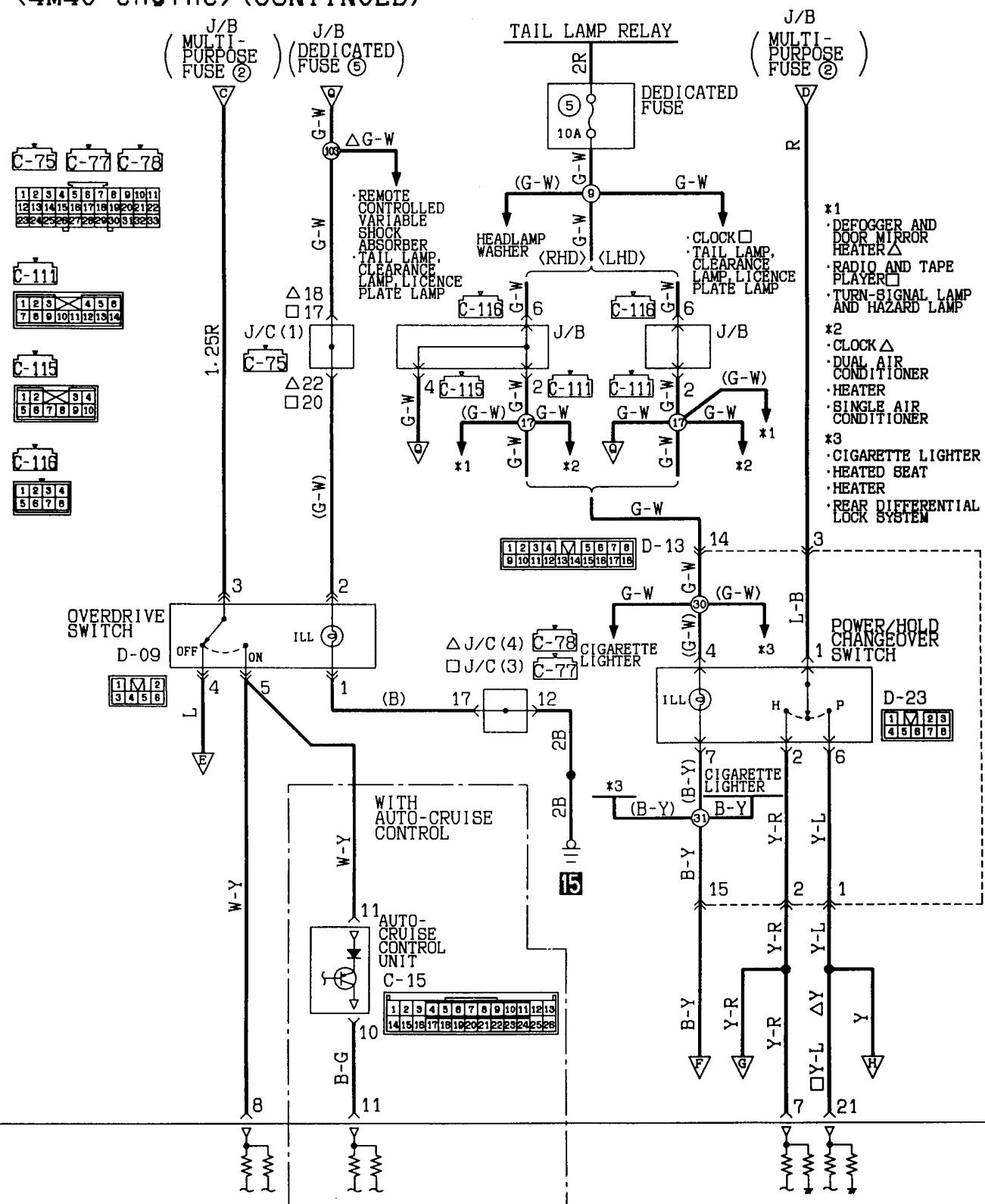
ELC-4A/T CONTROL UNIT

C-12

5152535455X56575859505152

C-05

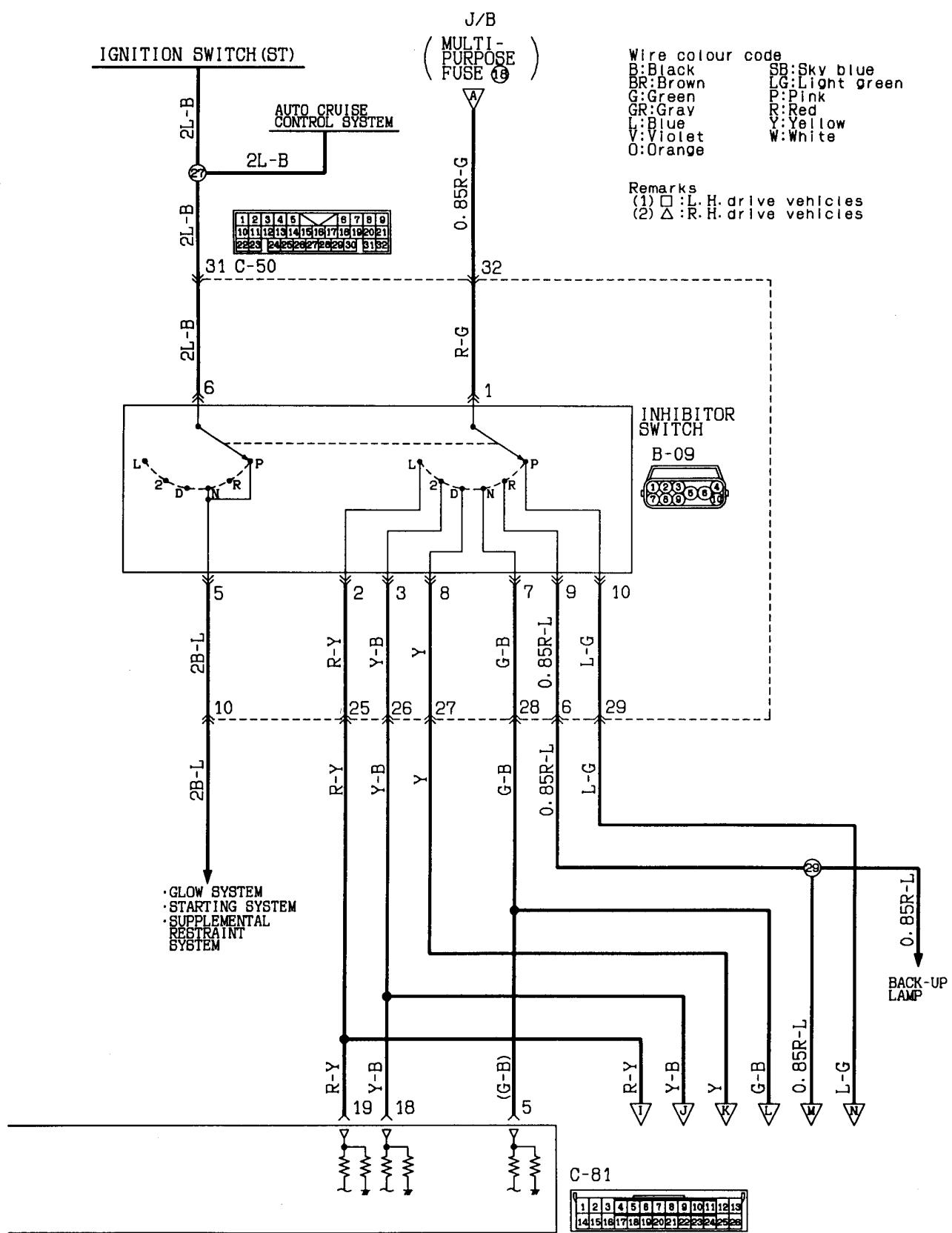
313233343536X3738393031323334

ELC 4-SPEED AUTOMATIC TRANSMISSION
<4M40 engine> (CONTINUED)

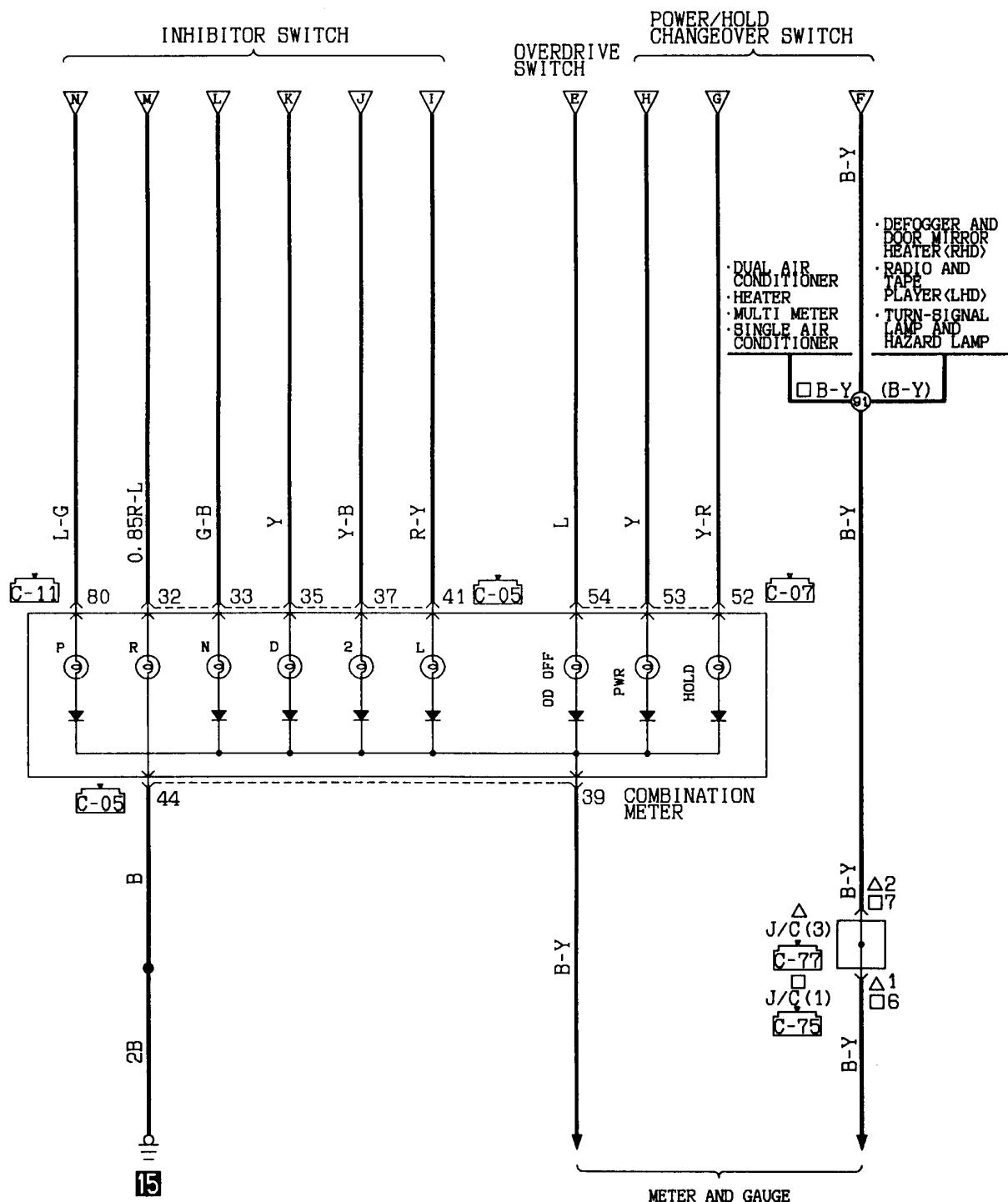
ELC-4A/T CONTROL UNIT

CIRCUIT DIAGRAM

4A-97



ELC-4A/T CONTROL UNIT

ELC 4-SPEED AUTOMATIC TRANSMISSION
<4M40 engine> (CONTINUED)

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

KX35-AC-00708B-EC

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

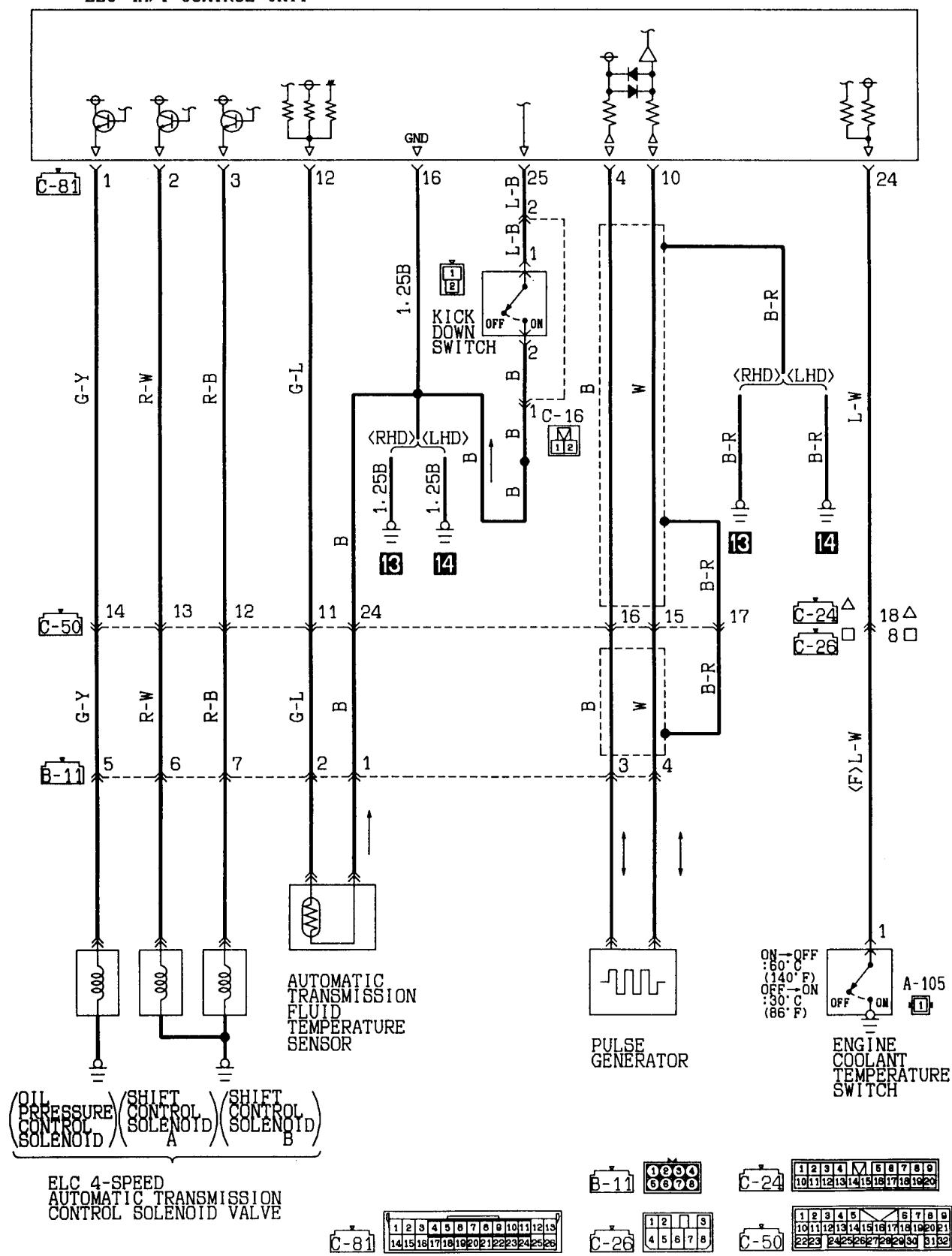
C-11

C-05

C-75

C-07

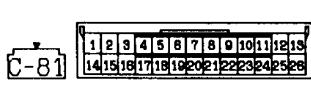
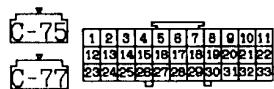
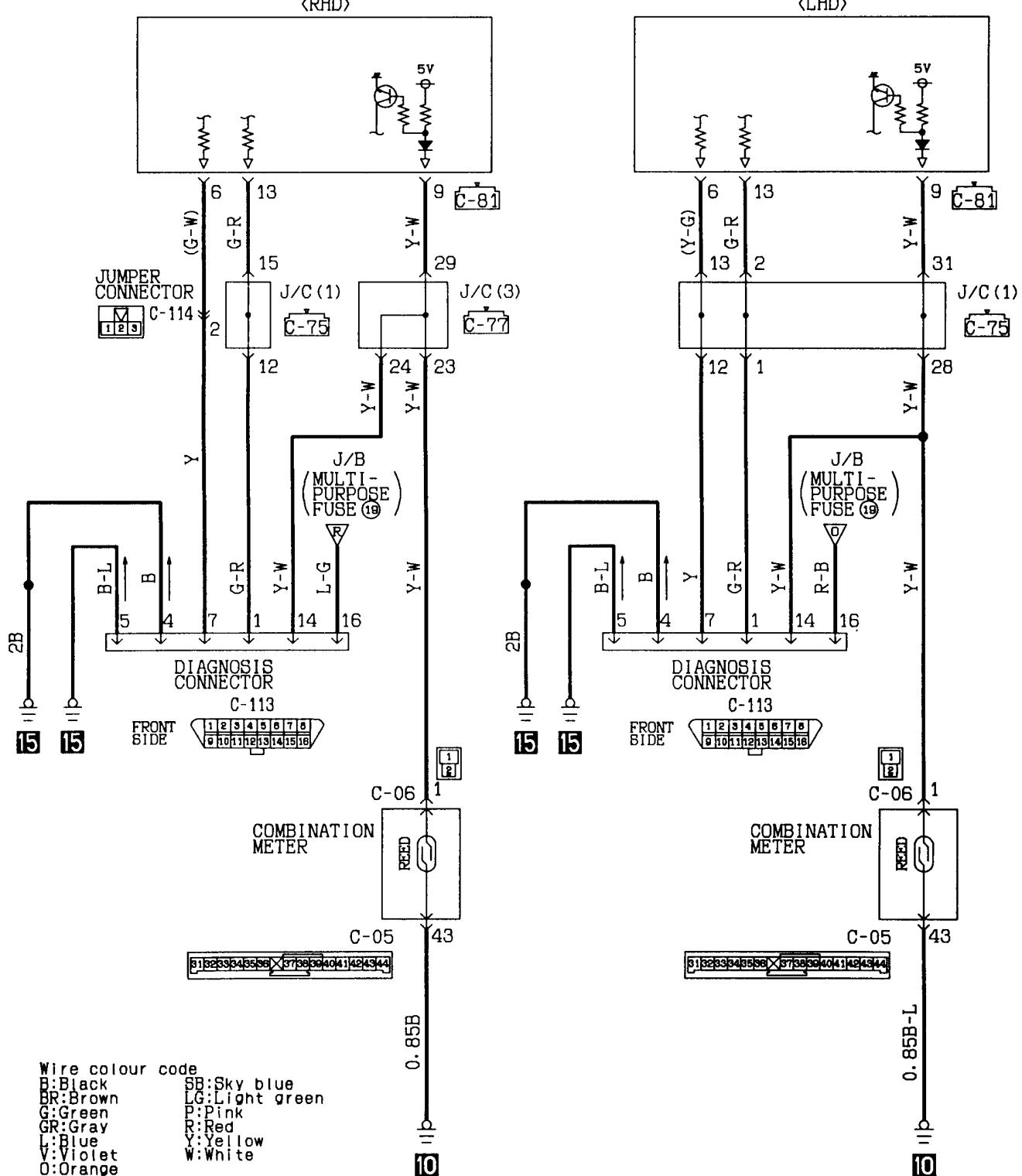
ELC-4A/T CONTROL UNIT



ELC 4-SPEED AUTOMATIC TRANSMISSION
<4M40 engine> (CONTINUED)

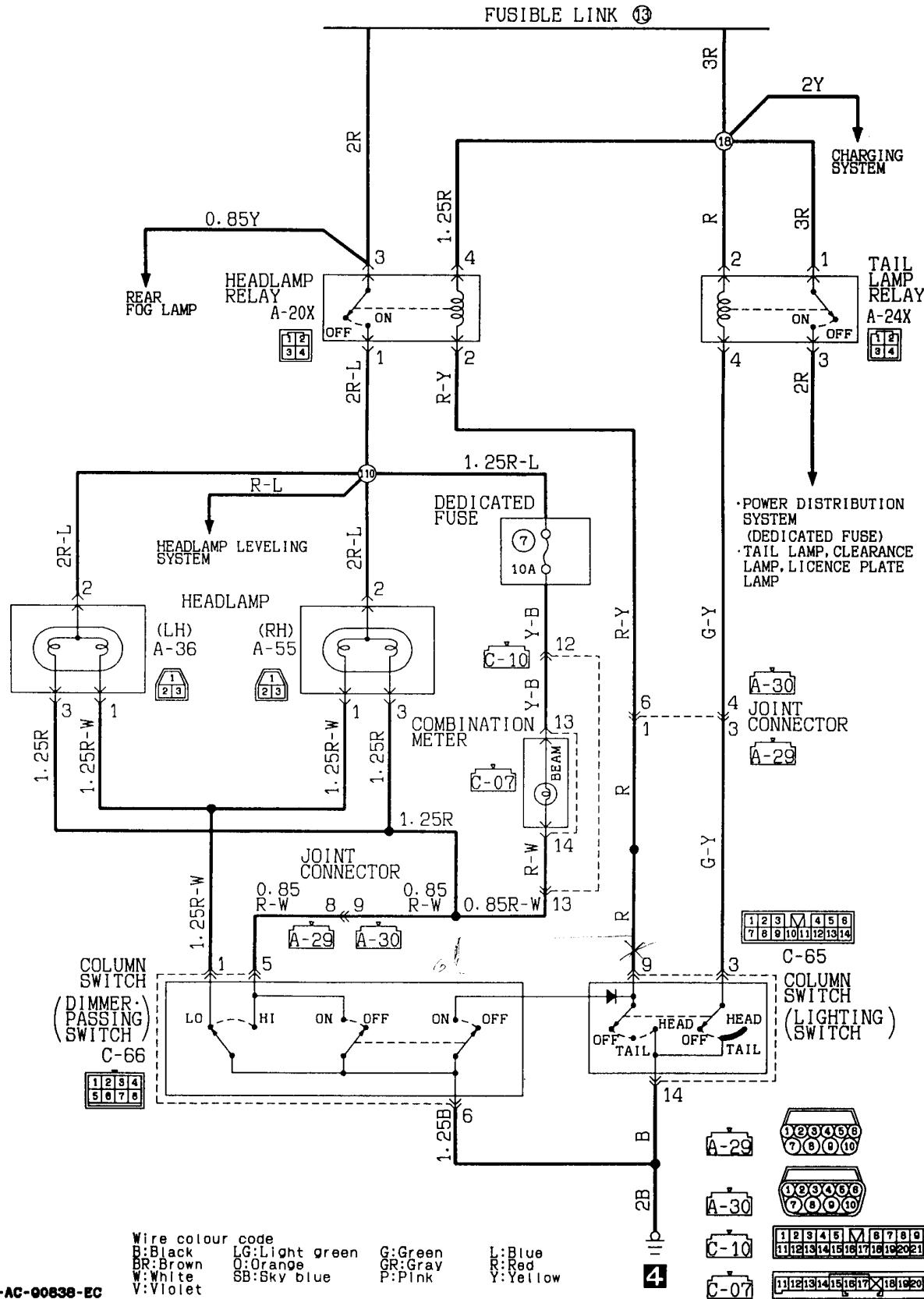
ELC-4A/T CONTROL UNIT

<LHD>



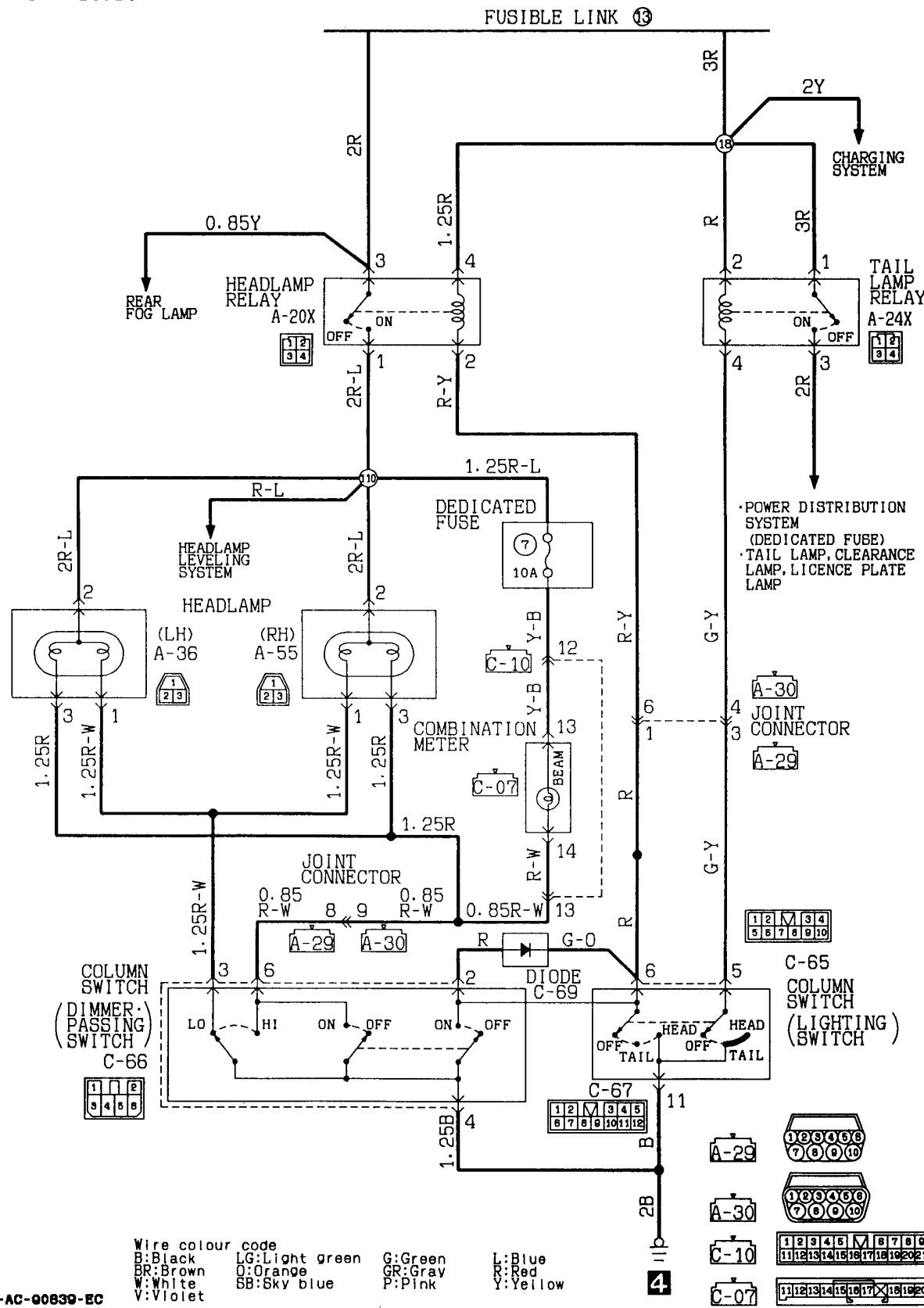
HEADLAMP

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



HEADLAMP

L.H. drive vehicles without daytime running lamp
(with SRS)



HEADLAMP <L.H.drive vehicles without daytime running lamp> (See P. 4A-101, 102.)**OPERATION****Headlamp Relay ON Conditions**

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

<Passing operation>

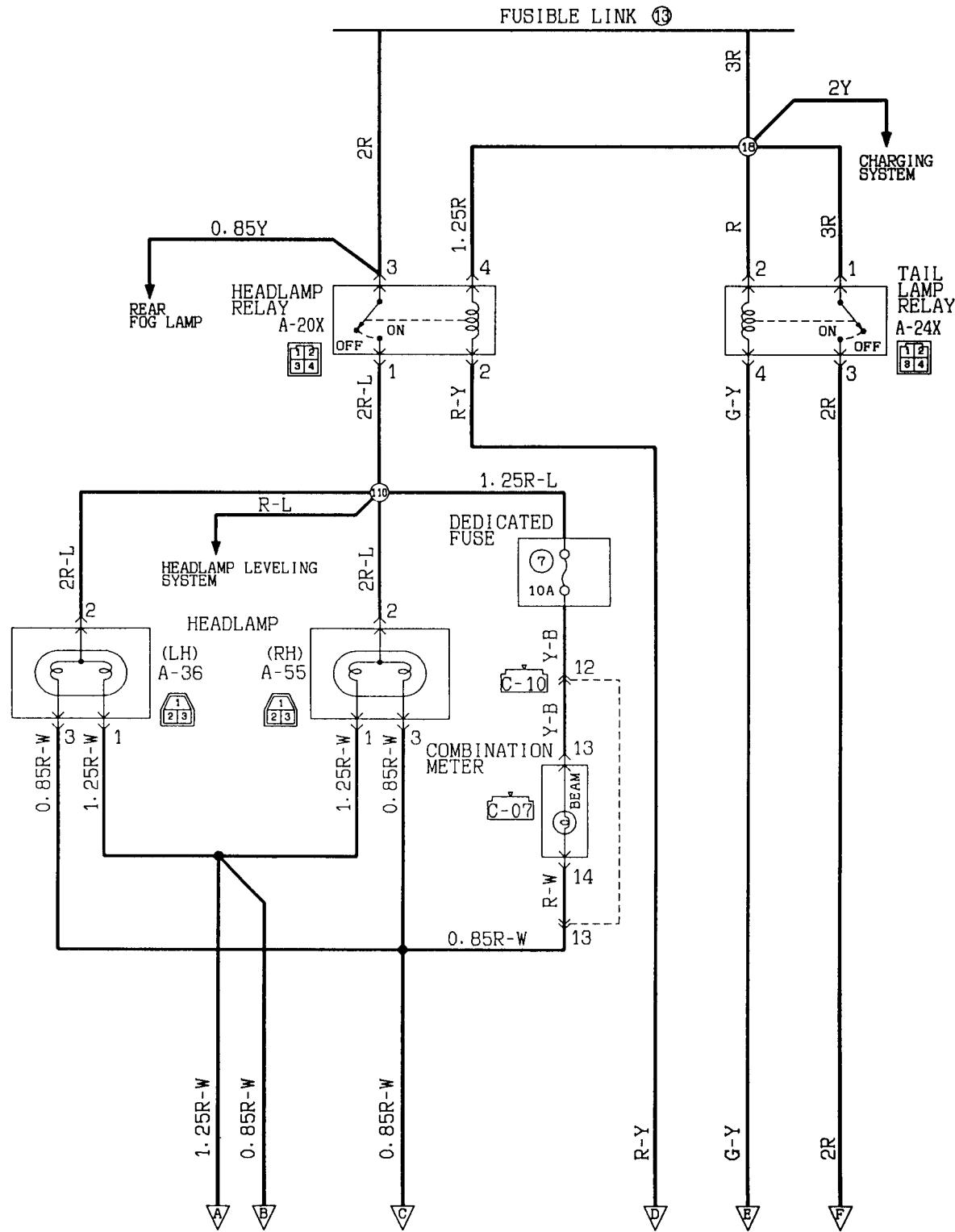
- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

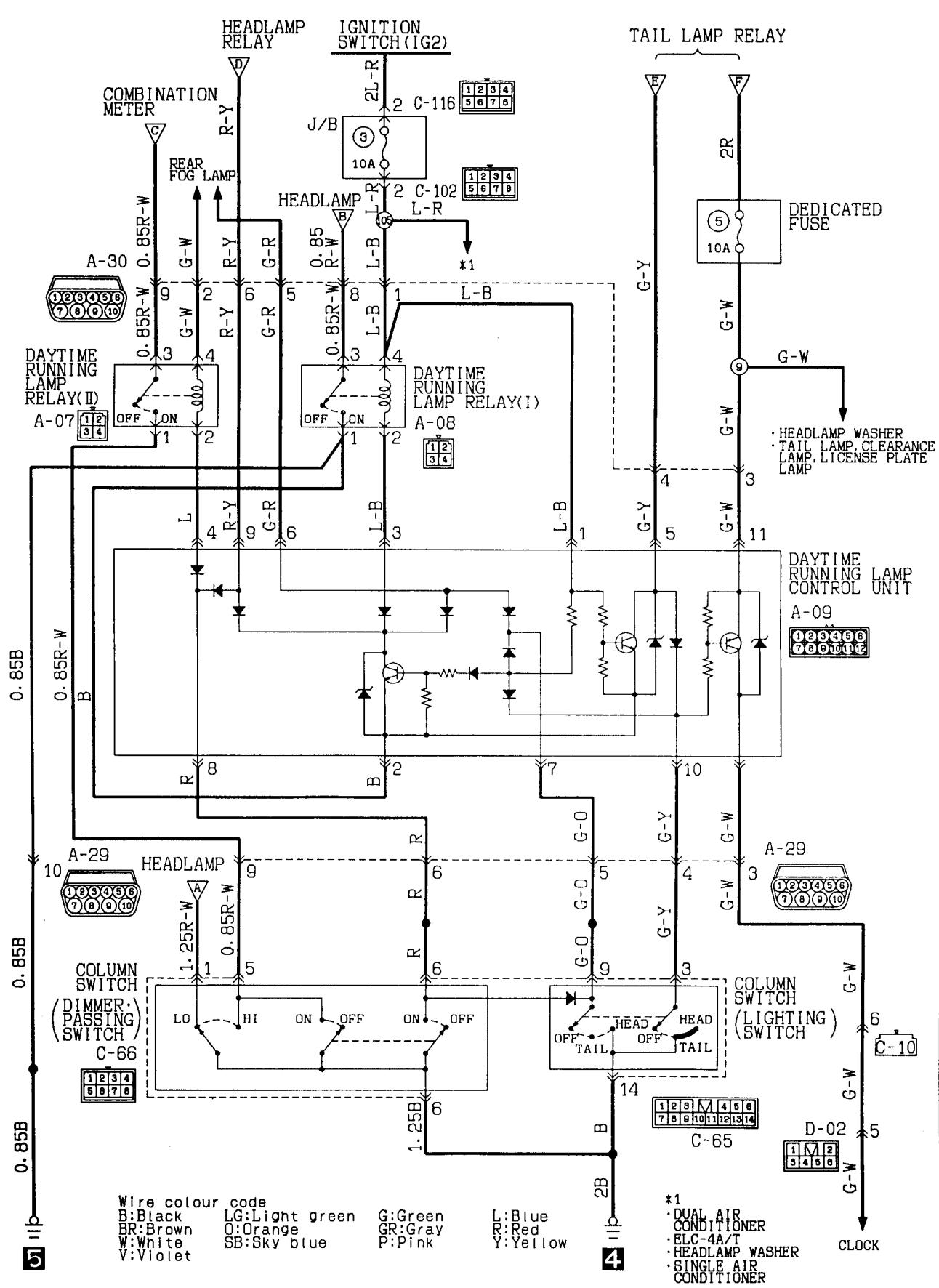
TROUBLESHOOTING HINTS

1. Headlamps don't come on.
 - 1) But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - 2) The tail lamps also don't illuminate.
 - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
 - 1) The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - 2) The passing signal doesn't function.
 - Check the dimmer switch.
4. One headlamp doesn't illuminate.
 - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
6. Upper-beam indicator lamp does not come on.
 - 1) Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

HEADLAMP

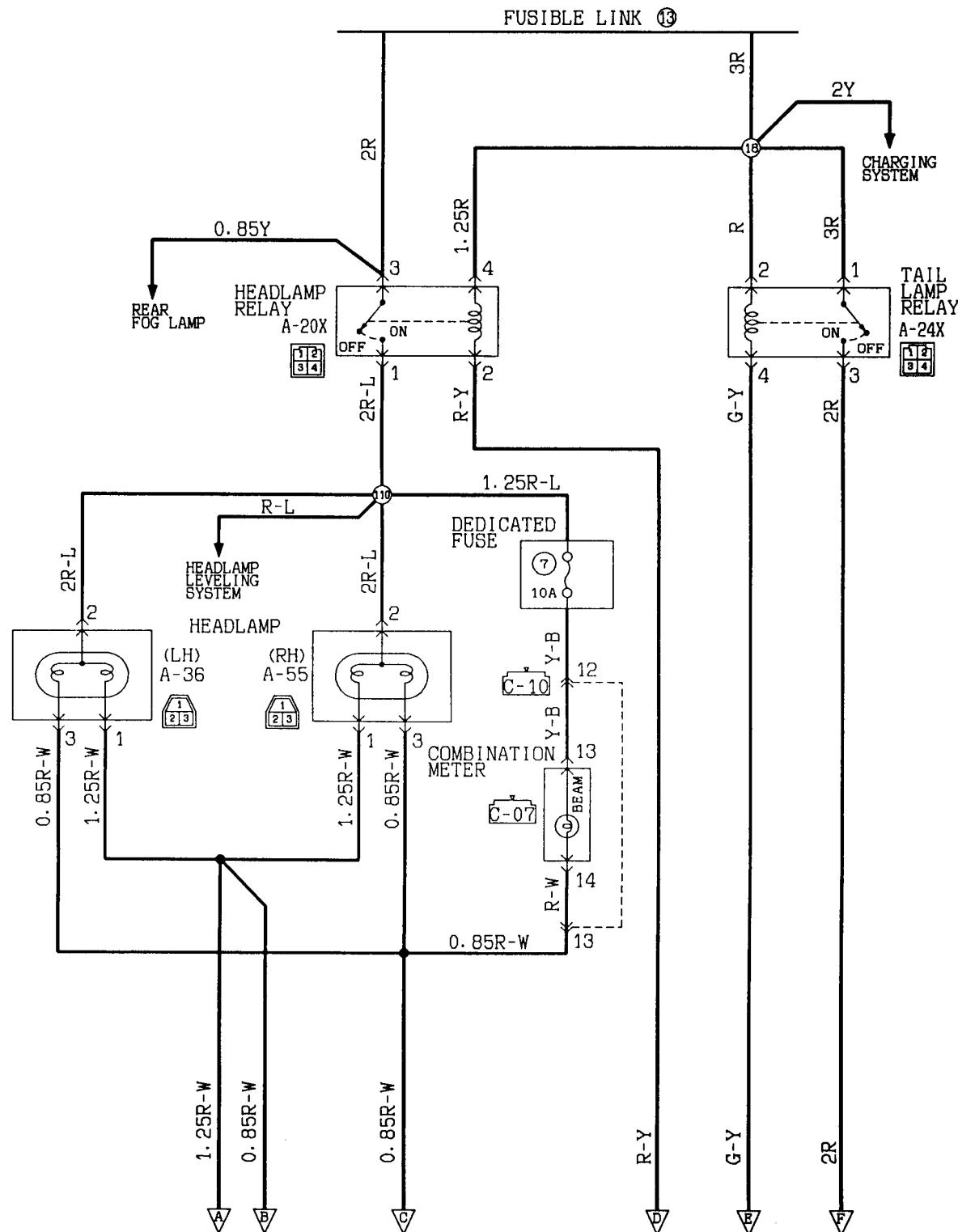
L. H. drive vehicles with daytime running lamp
(without SRS)





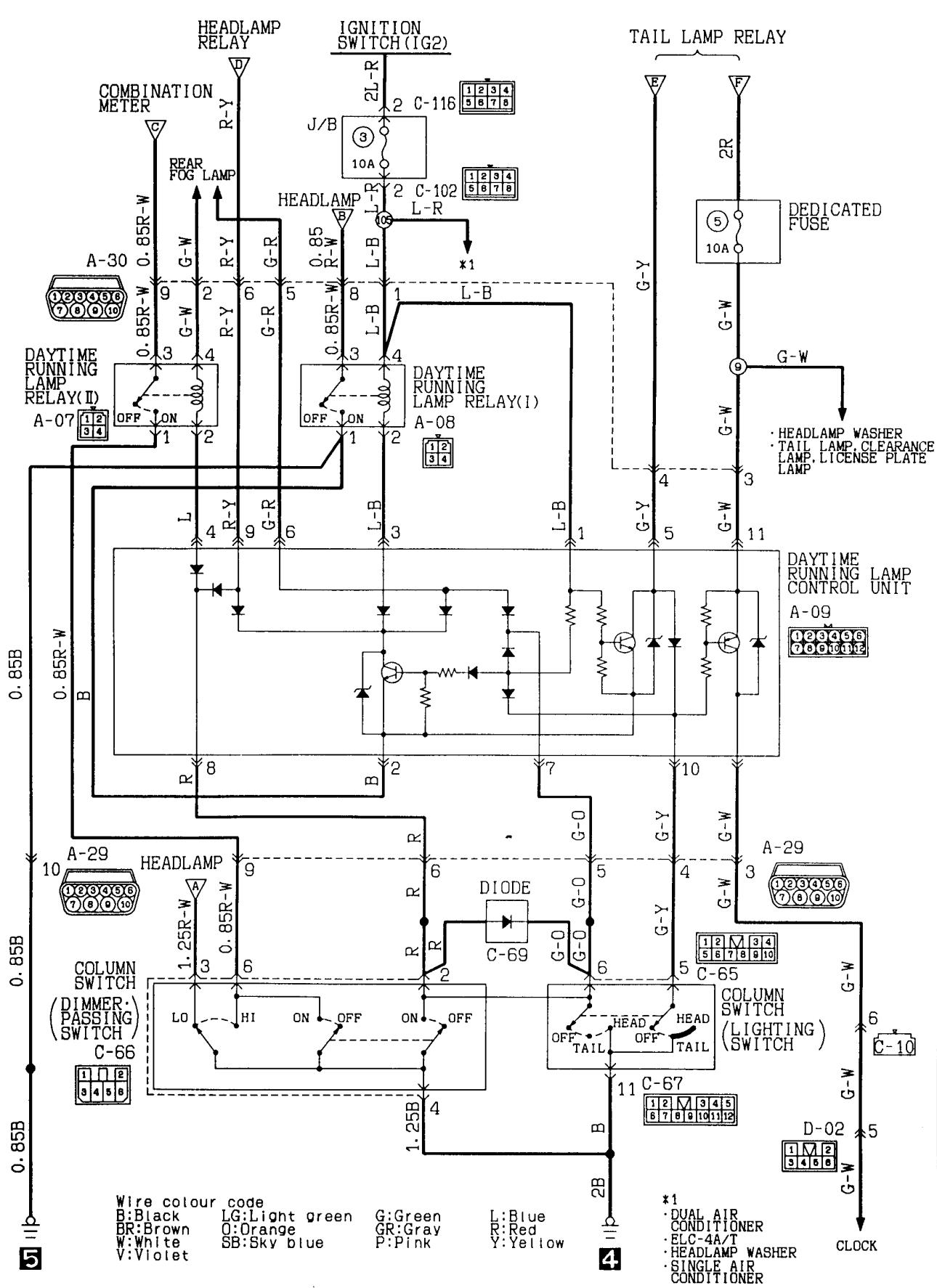
HEADLAMP

L. H. drive vehicles with daytime running lamp
<with SRS>



CIRCUIT DIAGRAM

4A-107



HEADLAMP <L.H.drive vehicles with daytime running lamp> (See P. 4A-104, 106.)**OPERATION**

Headlamp Relay ON Conditions

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

<Daytime running lamp operation>

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

TROUBLESHOOTING HINTS

- Headlamps don't come on.
 - But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. ⑬.
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam at both sides doesn't illuminate.
 - The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - The passing signal doesn't function.
 - Check the dimmer switch.
 - Check the daytime running lamp relay (II).
 - Check the daytime running lamp control unit.
- One headlamp doesn't illuminate.
 - Check the bulb.
- Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
- With the ignition switch at the "ON" position, the headlamps' low beam does not illuminate.
 - Check the daytime running lamp relay (I).
 - Check the daytime running lamp control unit.
- Upper-beam indicator lamp does not come on.
 - Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

HEADLAMP <R.H.drive vehicles> (See P. 4A-110, 112.)**OPERATION**

Headlamp Relay ON Conditions

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

<Dim-dip lamp operation>

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (I) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

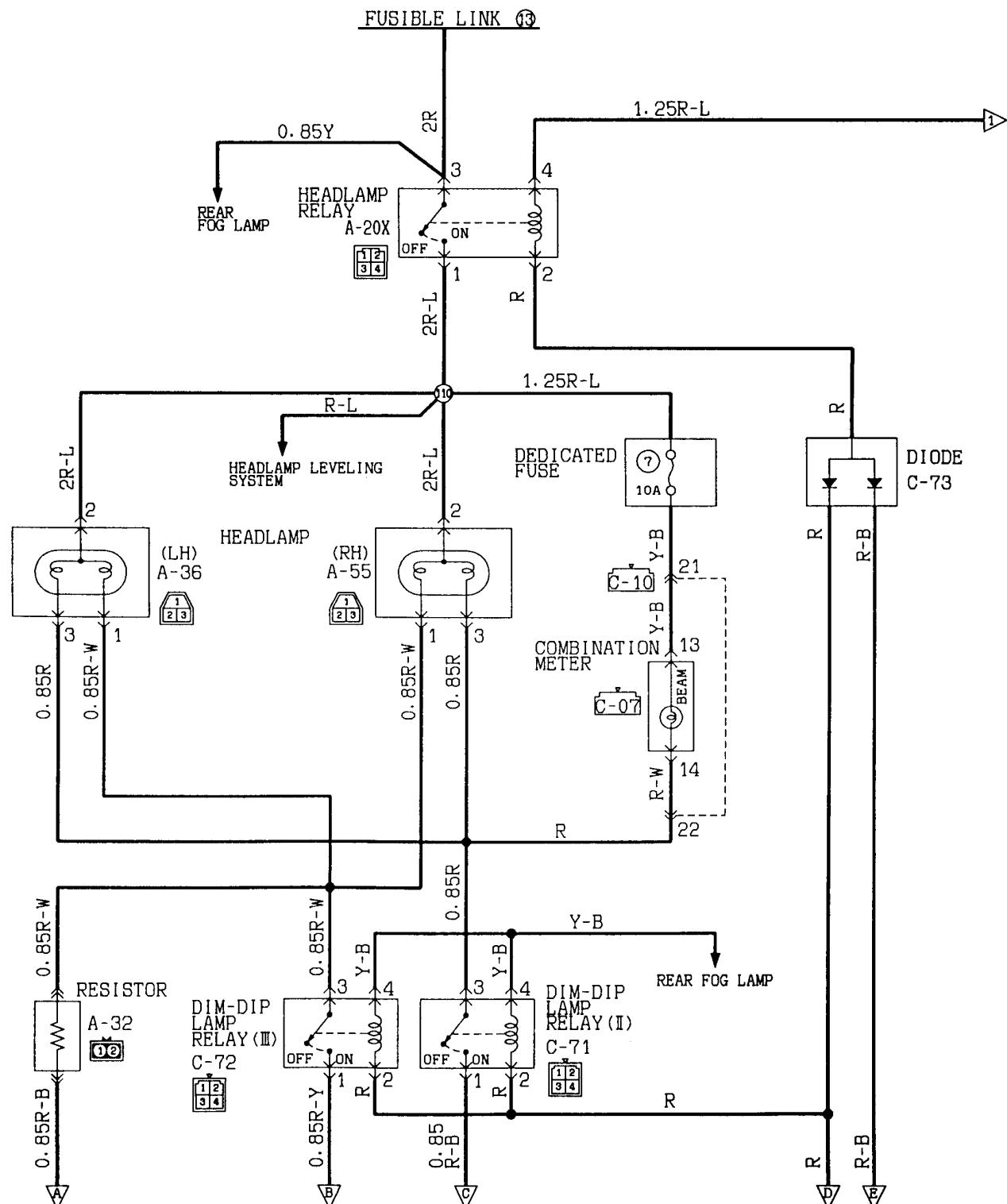
- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

1. Headlamps don't come on.
 - 1) But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - Check the dim-dip lamp relays (II) and (III).
 - 2) The tail lamps also don't illuminate.
 - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
 - 1) The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - 2) The passing signal doesn't function.
 - Check the dimmer switch.
4. One headlamp doesn't illuminate.
 - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
 - 1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
 - Check the dim-dip lamp relay (I).
 - Check the resistor.
 - Check the diode.
7. Upper-beam indicator lamp does not come on.
 - 1) Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

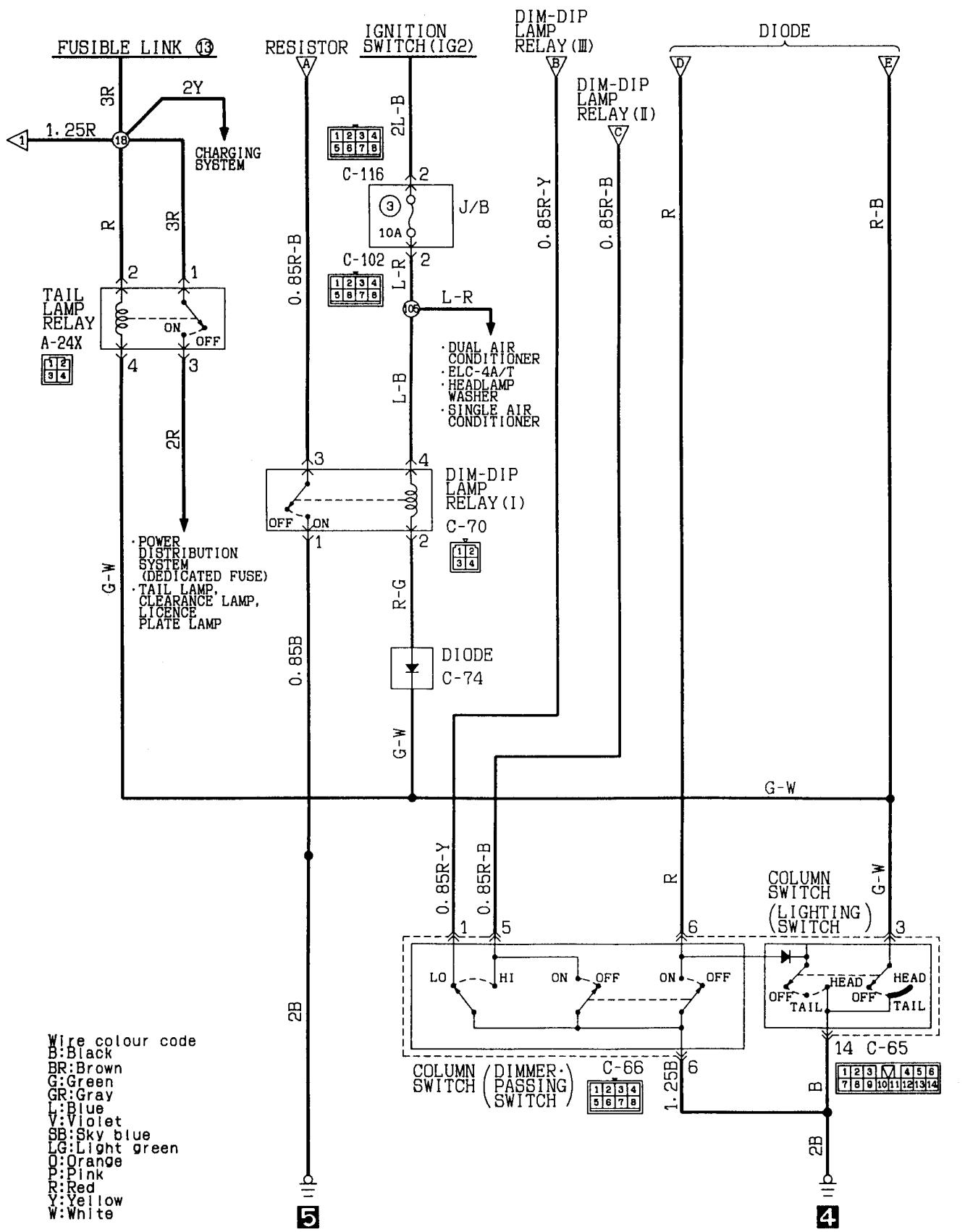
HEADLAMP

R. H. drive vehicles<without SRS>



CIRCUIT DIAGRAM

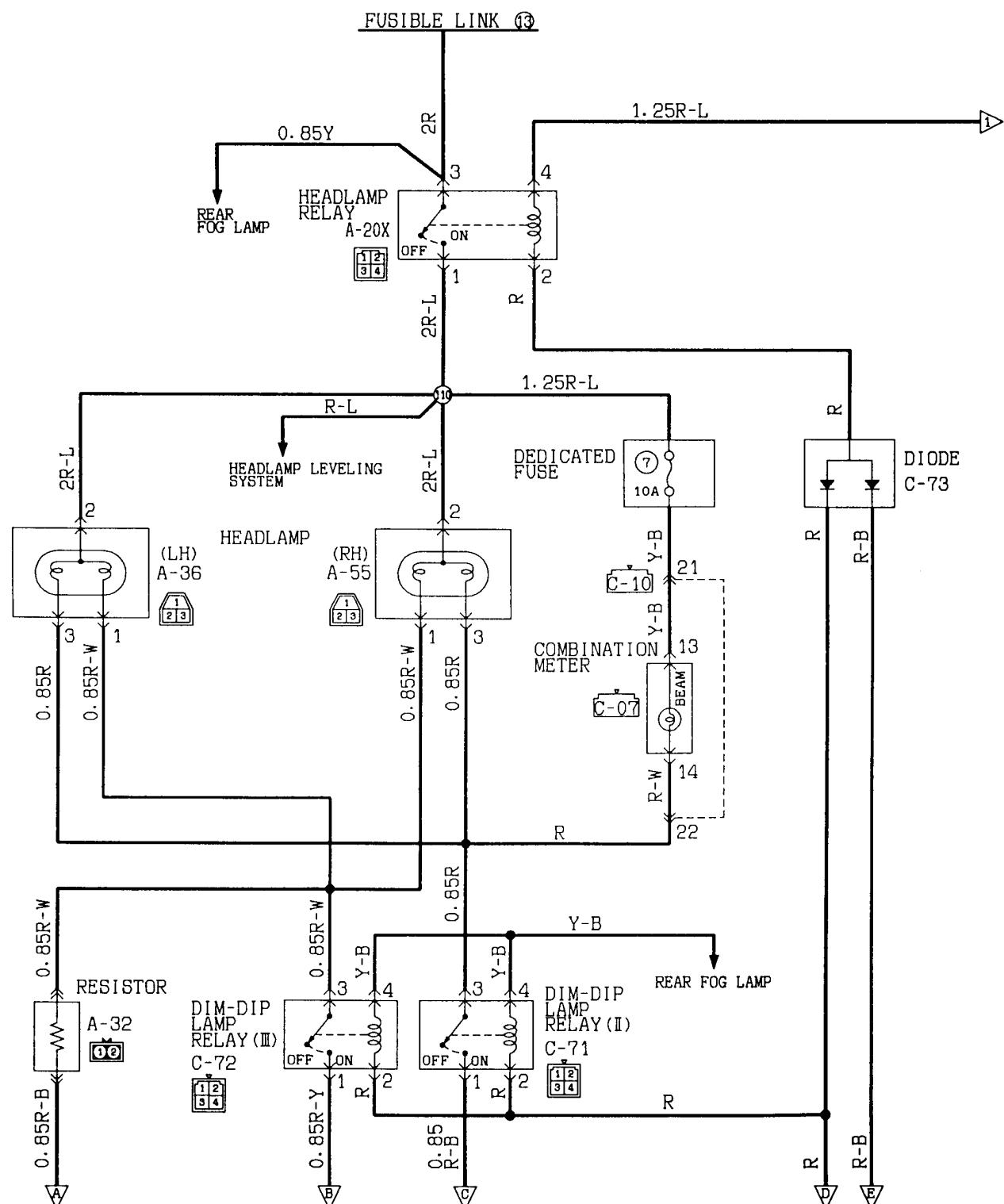
4A-111

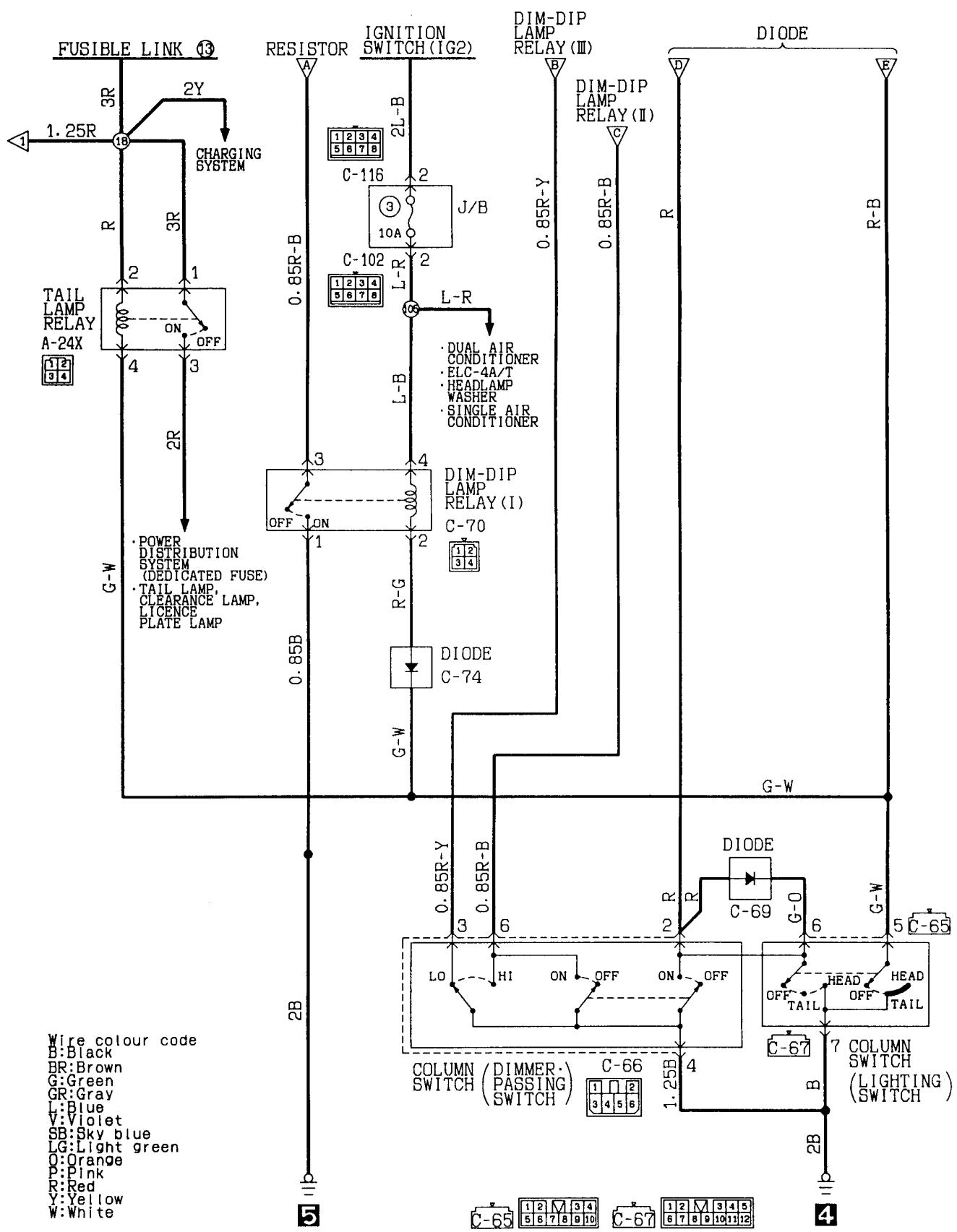


Wire colour code
B:Black
BR:Brown
G:Green
GR:Gray
L:Blue
V:Violet
SB:Sky blue
LG:Light green
O:Orange
P:Pink
R:Red
Y:Yellow
W:White

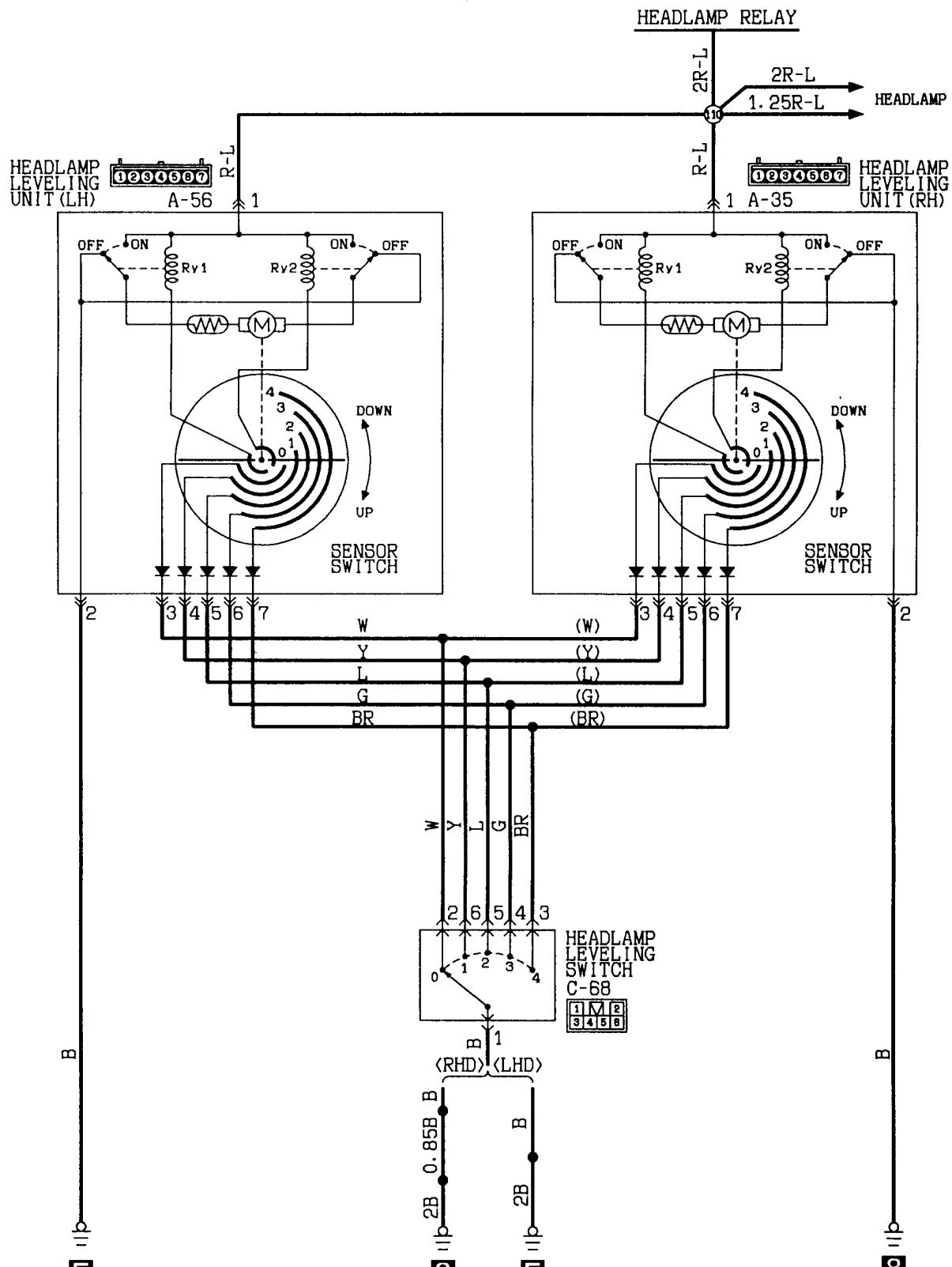
HEADLAMP

R. H. drive vehicles<with SRS>





HEADLAMP LEVELING SYSTEM



HEADLAMP LEVELING SYSTEM (See P. 4A-114.)

OPERATION

Downtilt operation

- When the headlamps are switched ON, battery voltage is applied, from the headlamp relay to the headlamp leveling unit.
- When the headlamp leveling switch setting is changed from the "0" position to the "1" position, electricity flows from Relay 2 to print base 1 to the headlamp leveling switch and to earth; the Relay 2 contacts are thus switched ON and the motor is activated. As a result, the headlamp leveling unit's shaft is pushed outward, the reflector tilts downward, and the optical axis of the headlamps is tilted in the downward direction.
- At the same time, the contacts of the sensor switch, which are interlocked with the movement of the motor, also turn in the "DOWN" direction, and, at the position where there is no longer contact of print base 1 and the brush contact, Relay 2 is switched OFF and the motor stops.
- In the same way as described above, when the headlamp leveling switch setting is changed from the "1" position to the "2" position and further to the "3" position and the "4" position, the motor continues to rotate so that the headlamp leveling unit's shaft is pushed outward, tilting the reflector further downward; the optical axis of the headlamps is at the maximum downward tilt at the "4" position of the headlamp leveling switch.

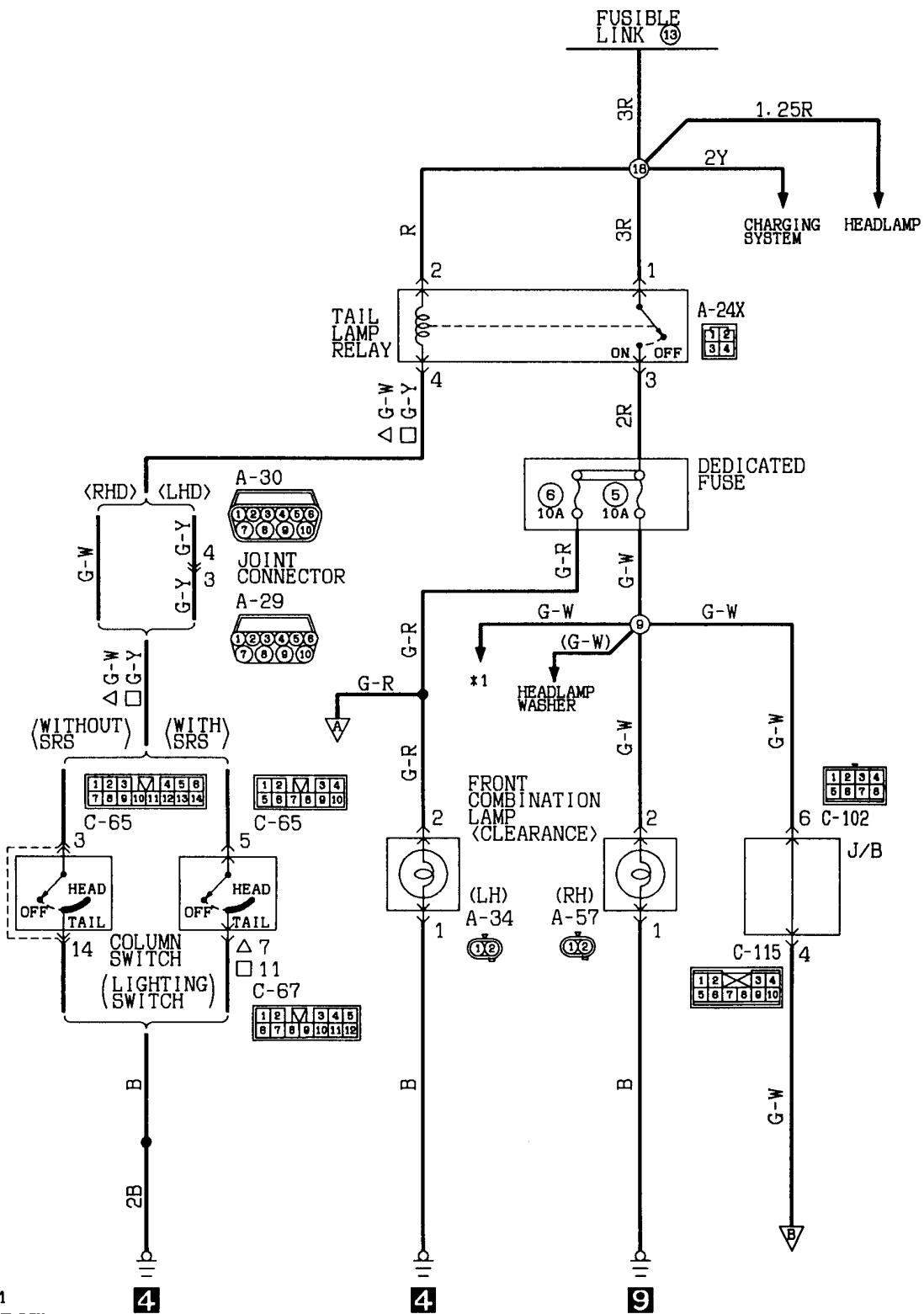
Return operation

- When the setting of the headlamp leveling switch is changed from the "4" position to the "3" position, electricity flows from Relay 1 to print base 3 to the headlamp leveling switch and to earth; the Relay 1 contacts are thus switched ON, and the motor rotates in the direction opposite to that for downtilt. As a result, the headlamp leveling unit's shaft is drawn inward, the tilt of the reflector is reduced, and the optical axis of the headlamps is changed in the upward direction.
- At the same time, the contacts of the sensor switch turn in the "UP" direction, and, at the position where there is no longer contact of print base 3 and the brush contact, Relay 1 is switched OFF and the motor stops.
- When the setting of the headlamp leveling switch is further changed from the "3" position to the "2" position and to the "1" position, the motor continues to rotate, and the optical axis of the headlamps returns to the minimum tilt position at the "0" setting of the switch.
- In order to prevent overheating damage to the motor as a result of frequent operation of the headlamp leveling system, a thermistor is provided in the circuitry within the headlamp leveling unit.

TROUBLESHOOTING HINTS

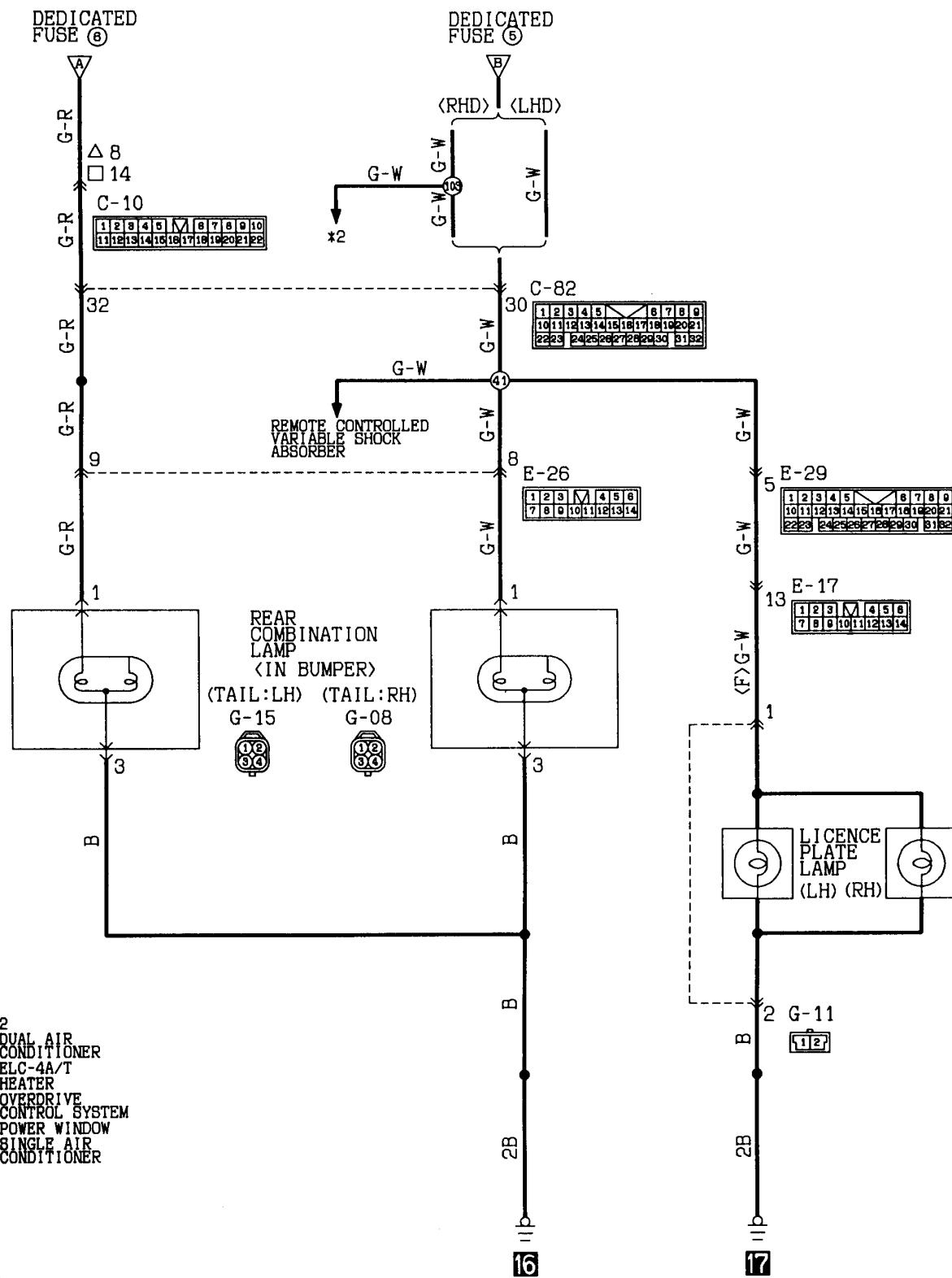
1. No operation of the headlamp leveling system.
 - Check the headlamp leveling switch.
 - Check the headlamp leveling unit.
2. Either the left or right part of the headlamp leveling system does not operate.
 - Check the headlamp leveling unit for the side that does not operate.
3. Either the downtilt operation or the return operation does not function.
 - Check the headlamp leveling unit.

TAIL LAMP, CLEARANCE LAMP, LICENCE PLATE LAMP



*1
4
• CLOCK
• TURN-SIGNAL LAMP
AND HAZARD LAMP

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



TAIL LAMP, CLEARANCE LAMP AND LICENCE PLATE LAMP (See P. 4A-116.)**OPERATION**

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- As a result, current flows by way of dedicated fuse No. ⑤ and No. ⑥ to each lamp, causing the lamp to come on.

TROUBLESHOOTING HINTS

1. No lamp come on.
 - 1) Headlamps do not come on, either.
 - Check fusible link No. ⑬.
 - 2) Headlamps do come on.
 - Check tail lamp relay.
 - Check dedicated fuse No. ⑤ and No. ⑥.

REAR FOG LAMP (See P. 4A-120, 122, 124, 126.)**OPERATION**

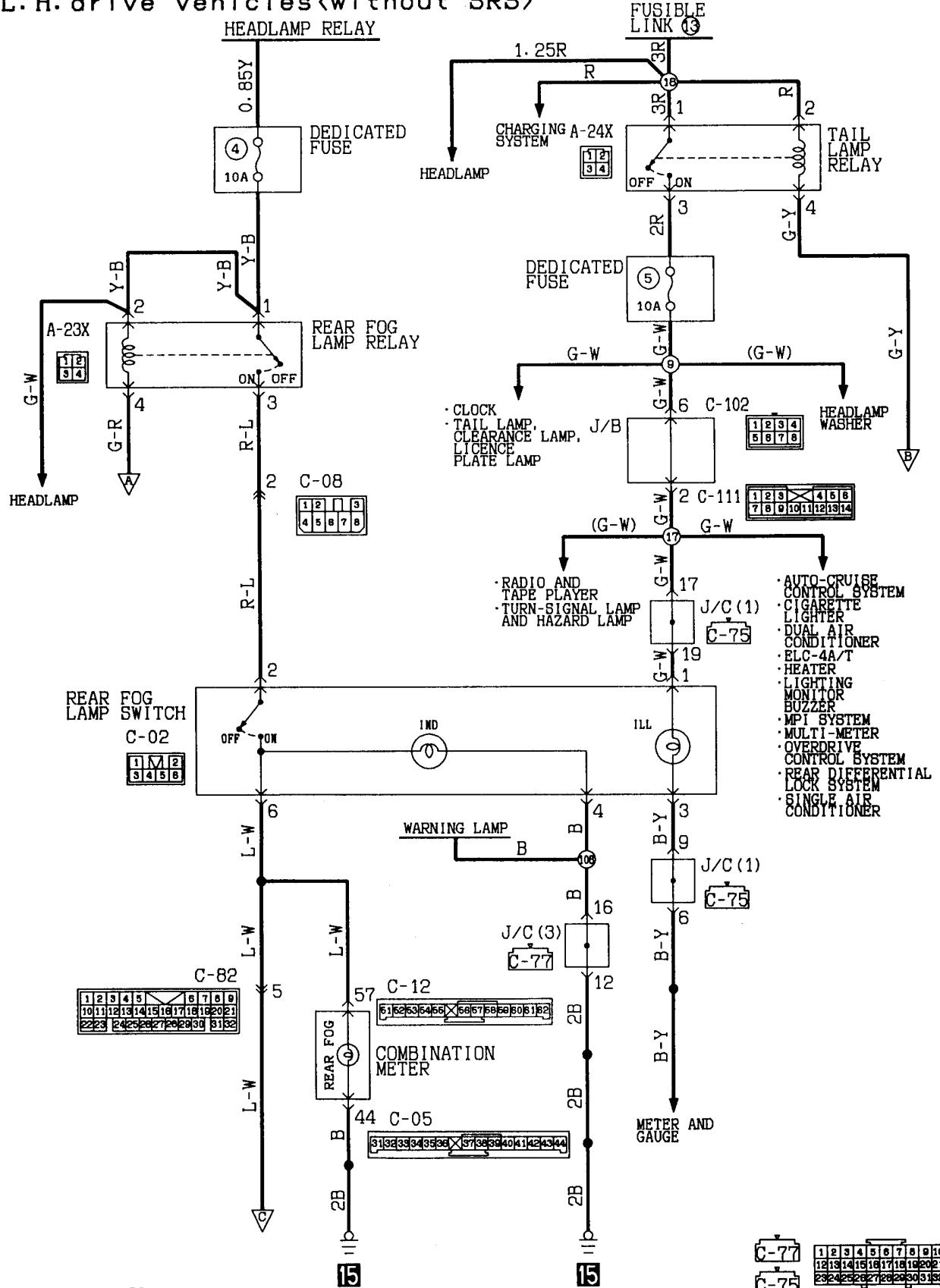
- Placing the lighting switch in the HEAD position causes the rear fog lamp relay to be energized.
- When the rear fog lamp switch is turned ON in this condition, the rear fog lamp comes on.

TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
 - 1) Headlamps come on.
 - Check the rear fog lamp relay.
 - Check the rear fog lamp switch.
 - Check the dedicated fuse No. ④.
 - 2) Headlamps do not come on, either.
 - Check the headlamp relay.
 - Check the lighting switch.
 - Check the fusible link No. ⑯.
2. The rear fog lamp at the one side doesn't illuminate.
 - Check the bulb.

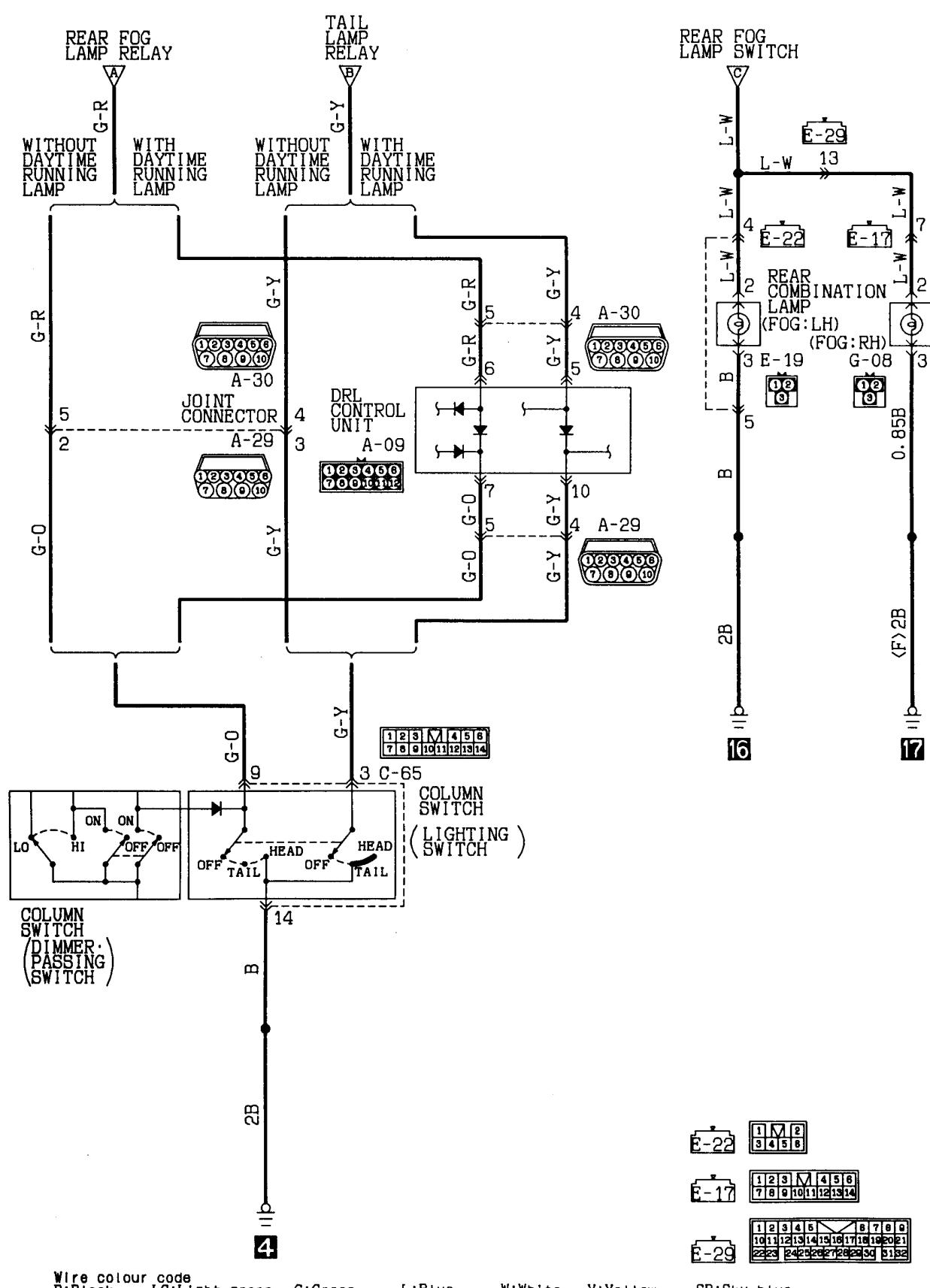
REAR FOG LAMP

L. H. drive vehicles <without SRS>



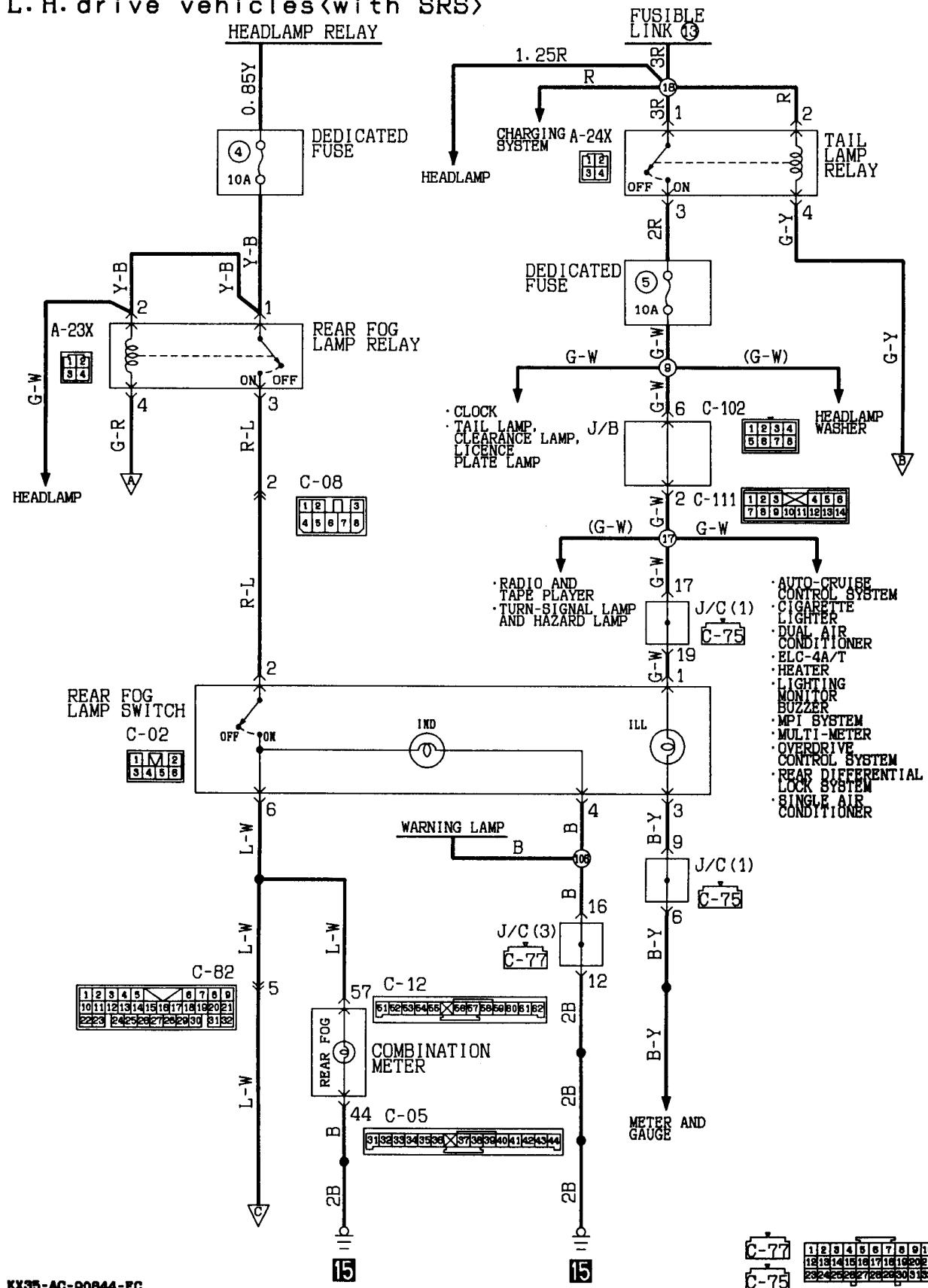
CIRCUIT DIAGRAM

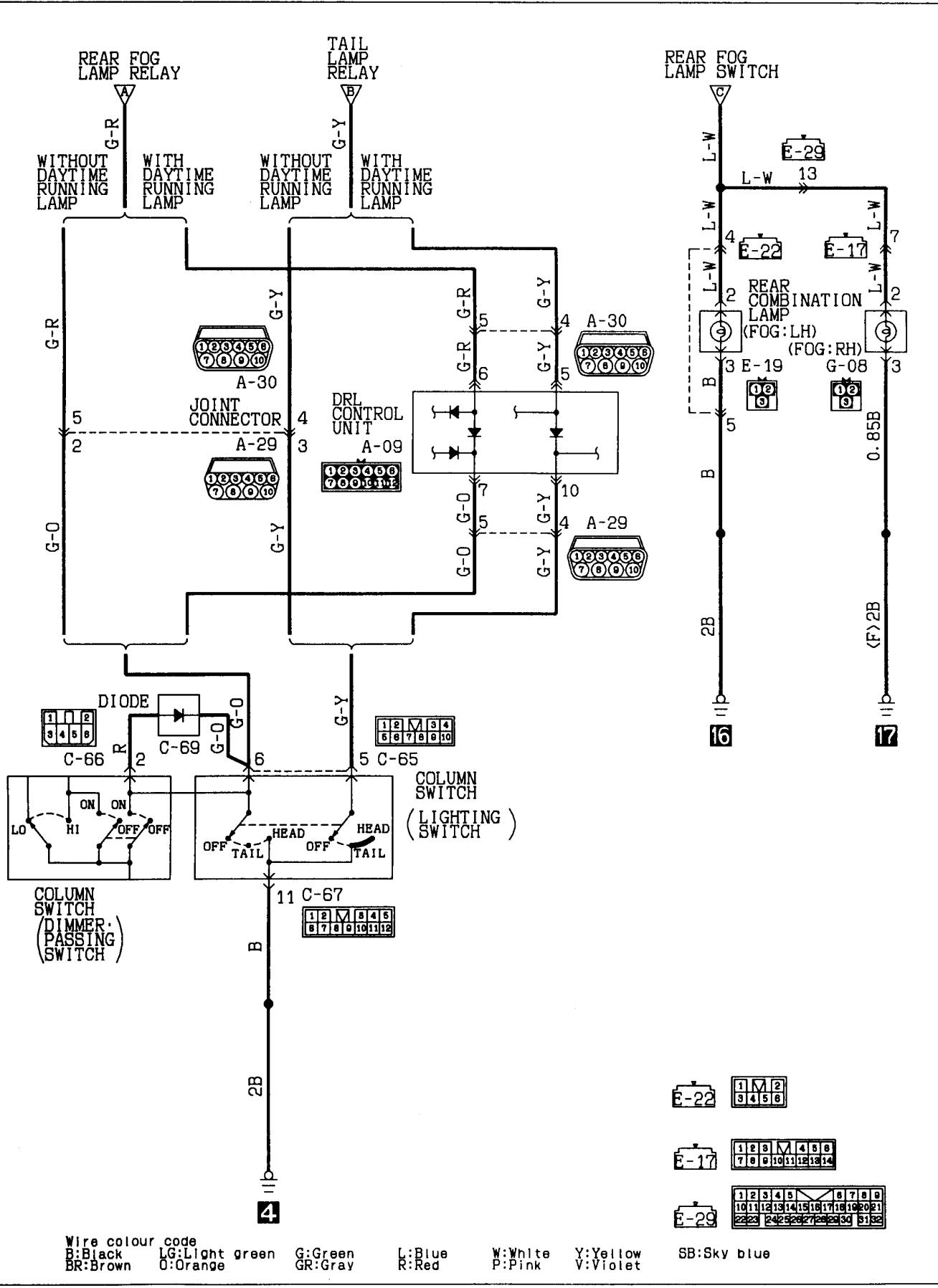
4A-121



REAR FOG LAMP

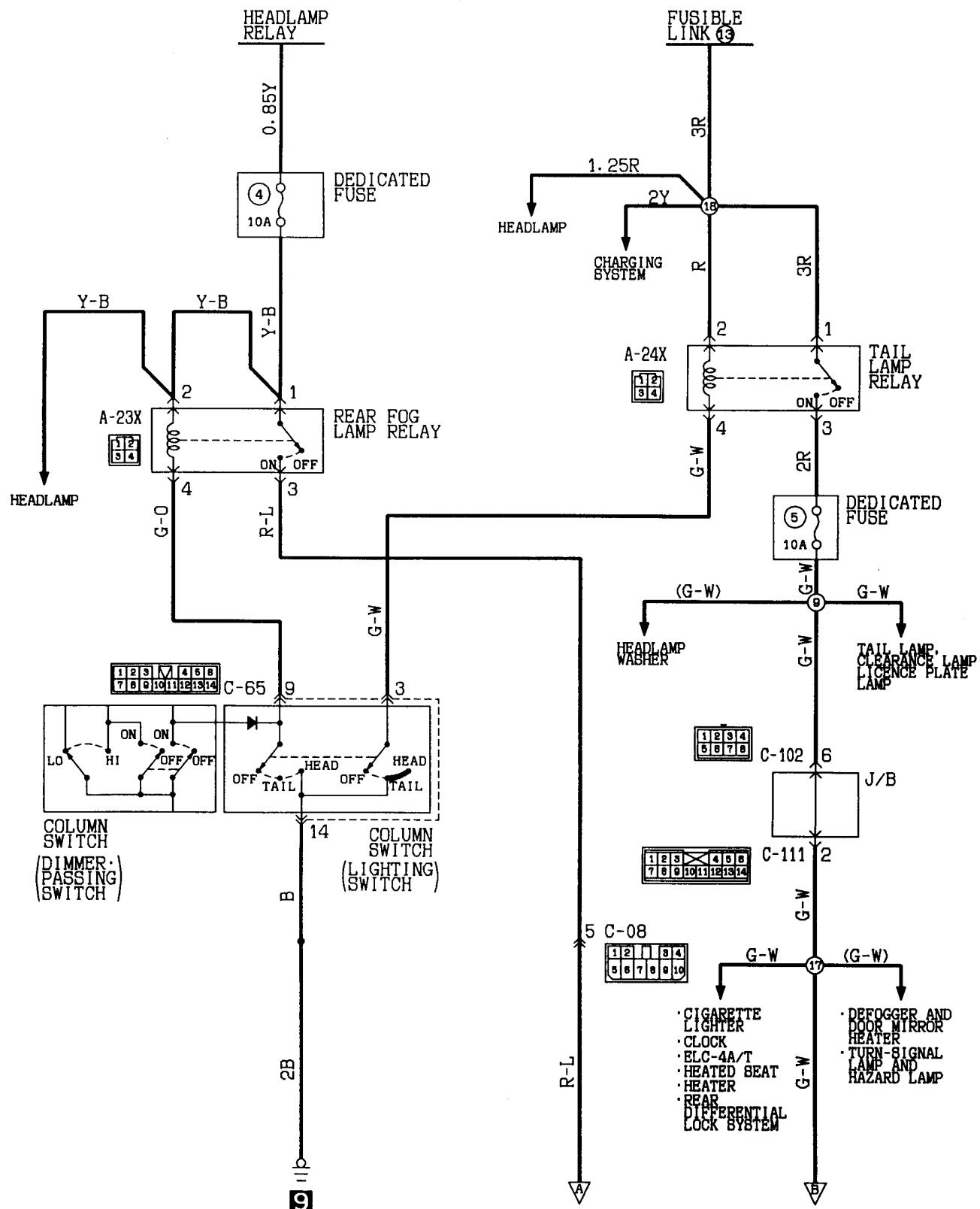
L. H. drive vehicles<with SRS>





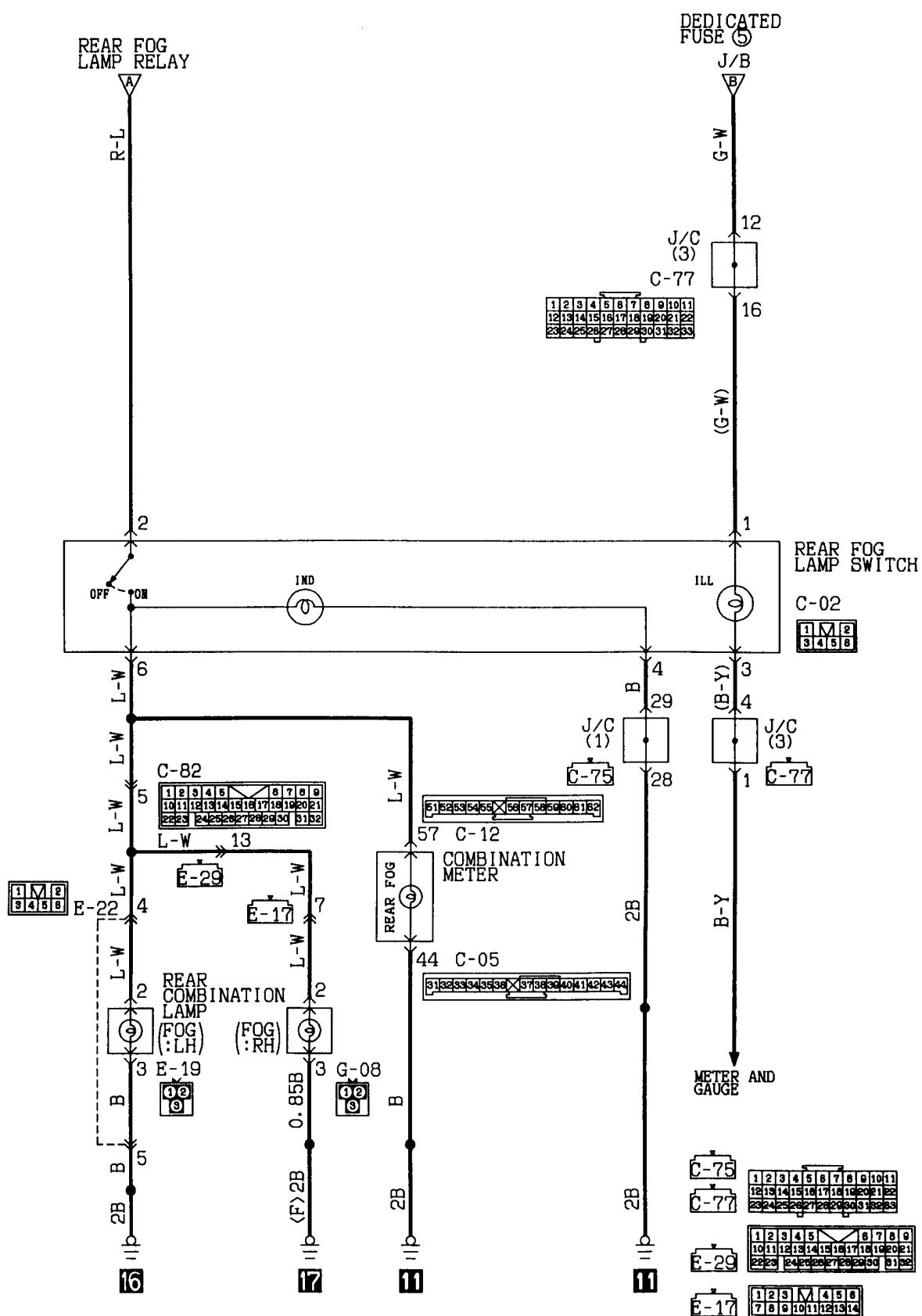
REAR FOG LAMP

R.H. drive vehicles <Without SRS>



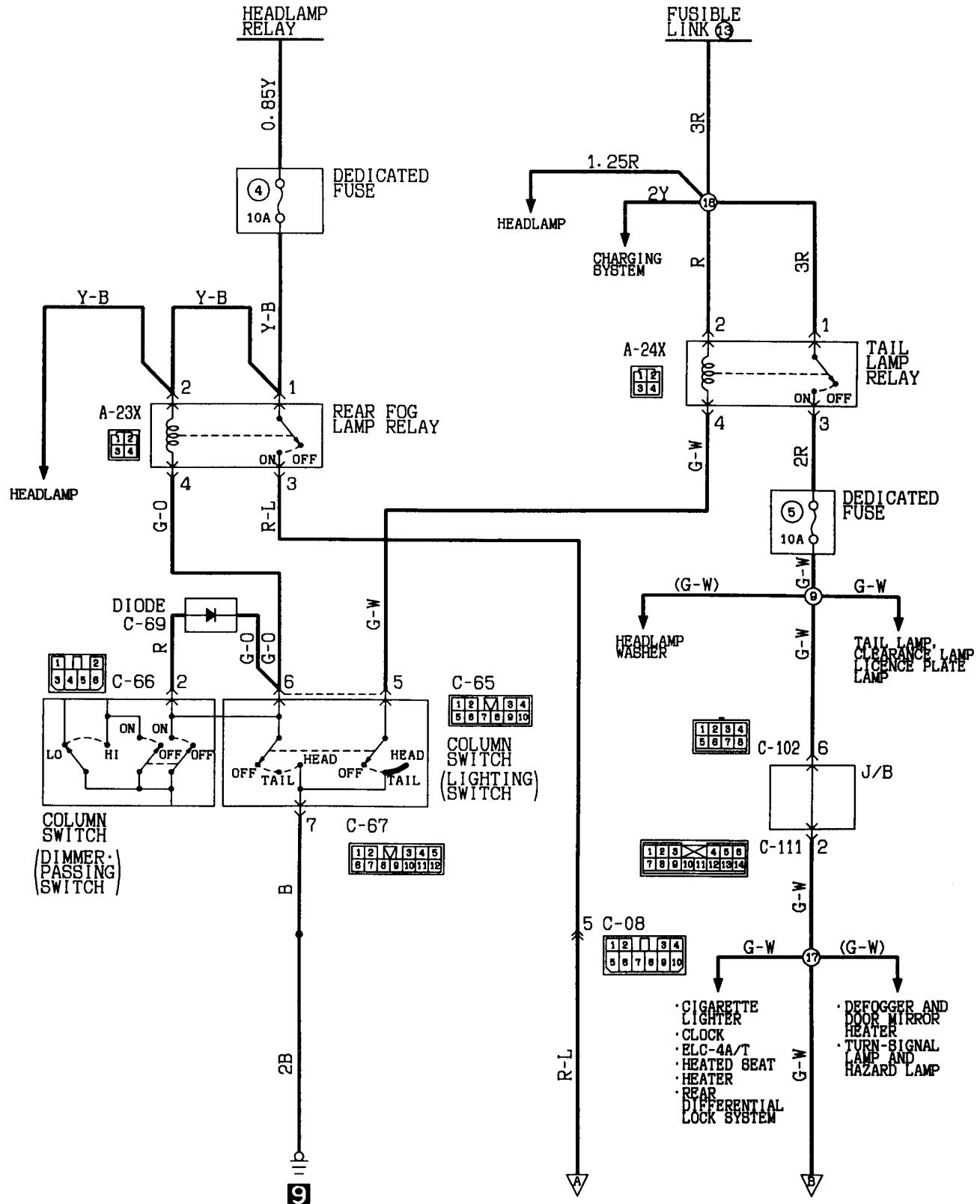
CIRCUIT DIAGRAM

4A-125



REAR FOG LAMP

R. H. drive vehicles<With SRS>



Wire colour code

B:Black LG:Light

BR:Brown O:Orange

卷之三

green G:Green

GR:Gray

卷二

L:Blue

R:Red

www.aia.org

W:White

P:Pink

2 - 111

Y: Yellow

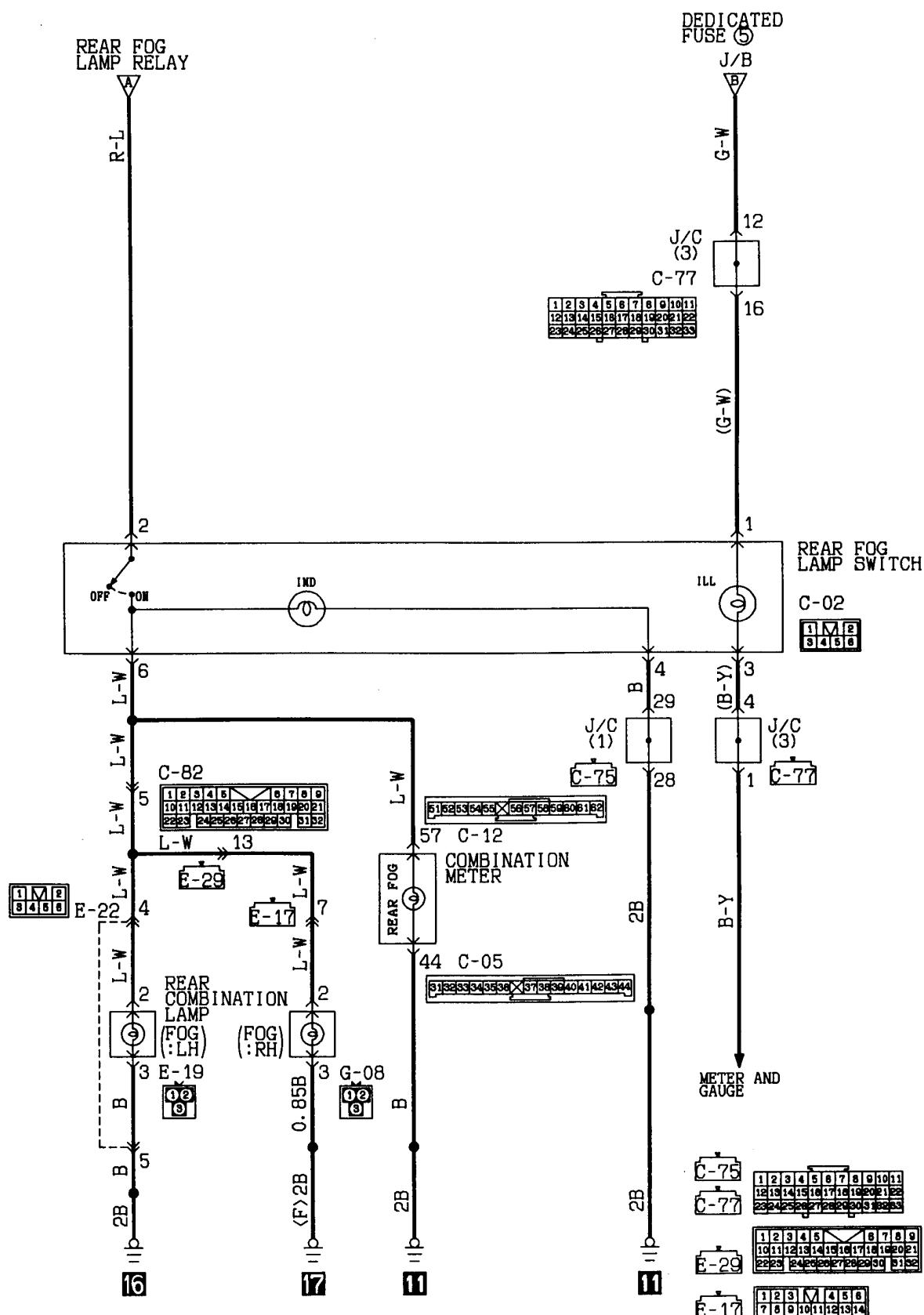
V:Violet

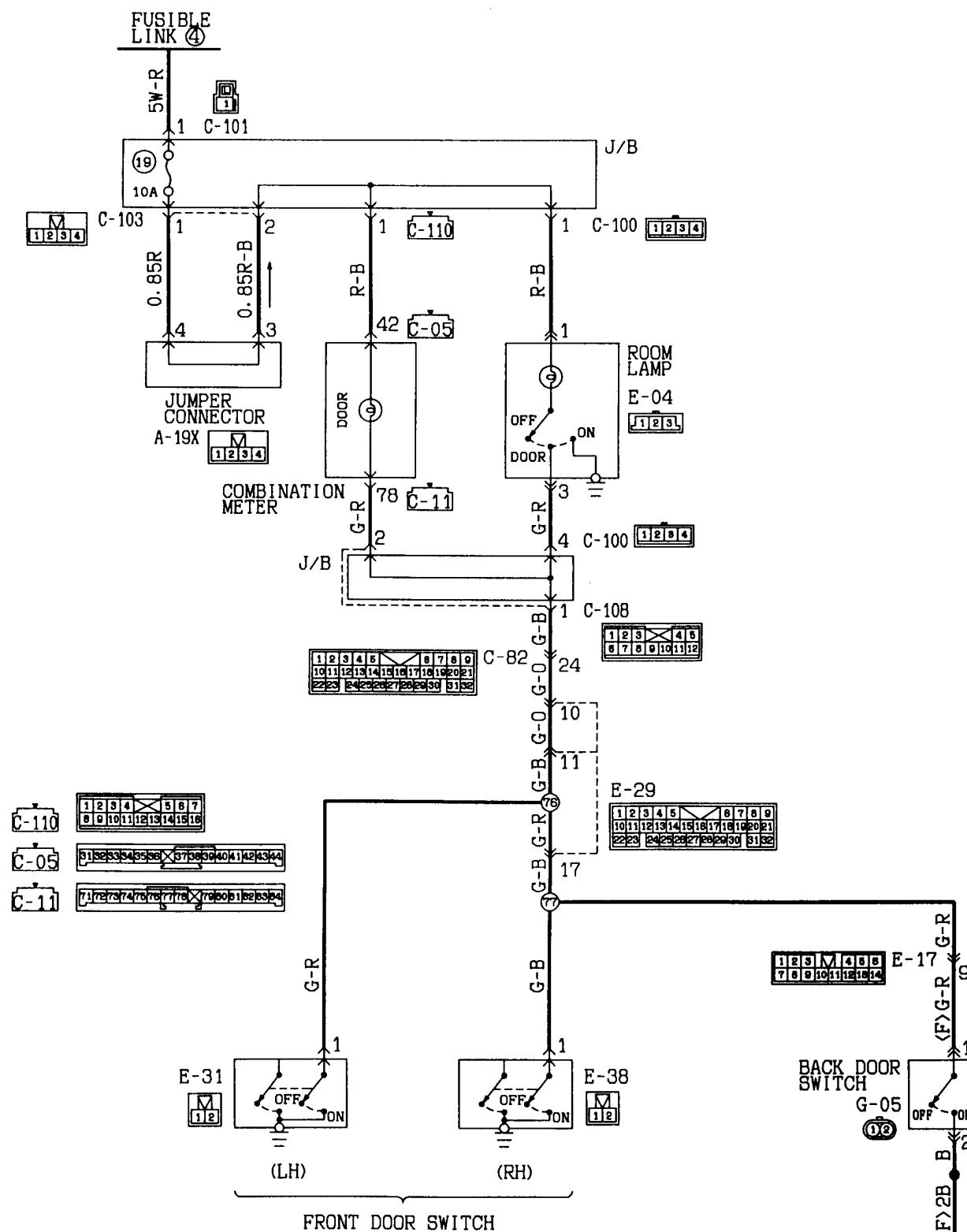
www.vitutor.com

SB:Sky blue

33-589

— 1 —



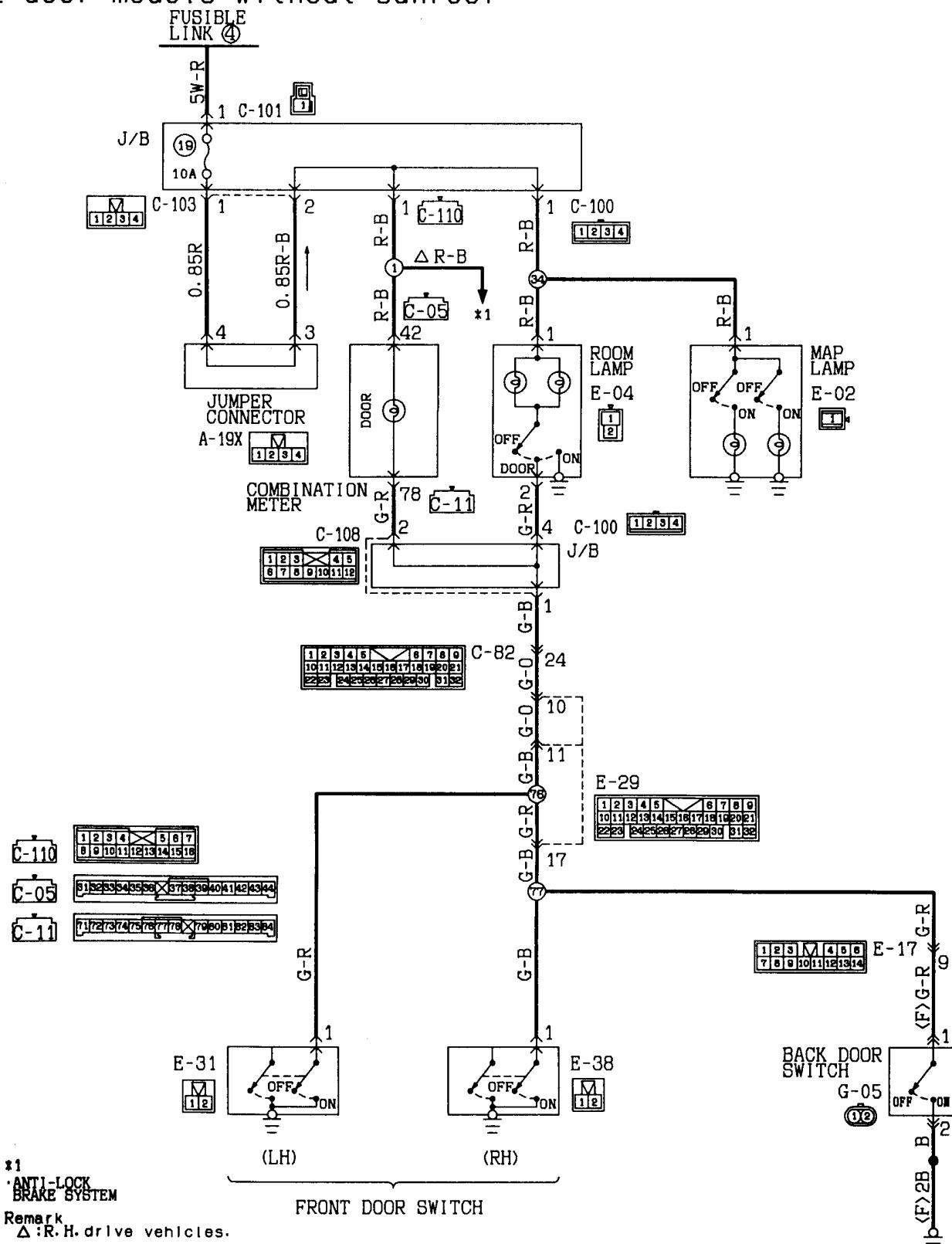
ROOM LAMP
 Canvas top


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

17

ROOM LAMP

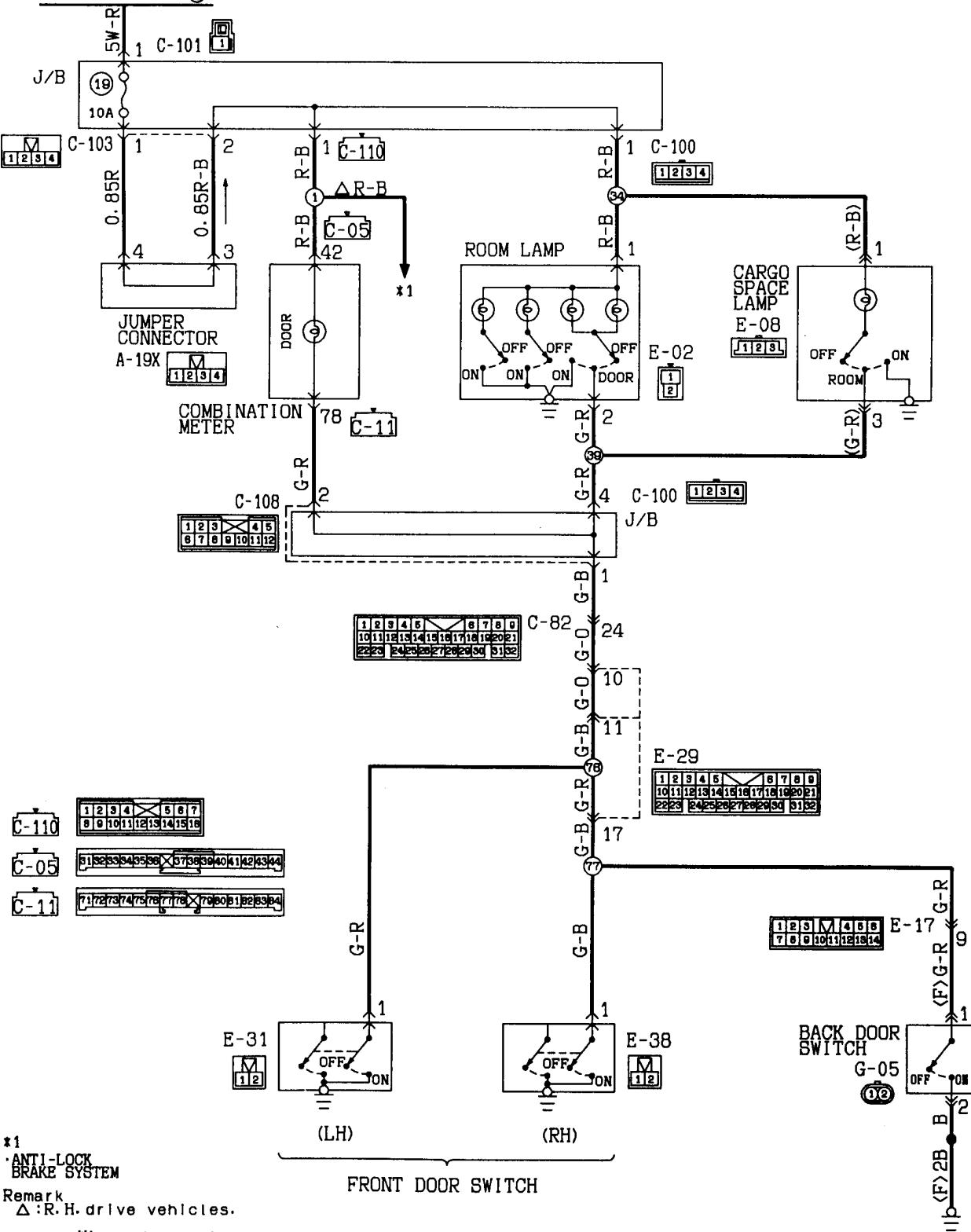
2-door models without sunroof



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

17

KX35-AC-00830-EC

ROOM LAMP
 2-door models with sunroof
FUSIBLE LINK ④

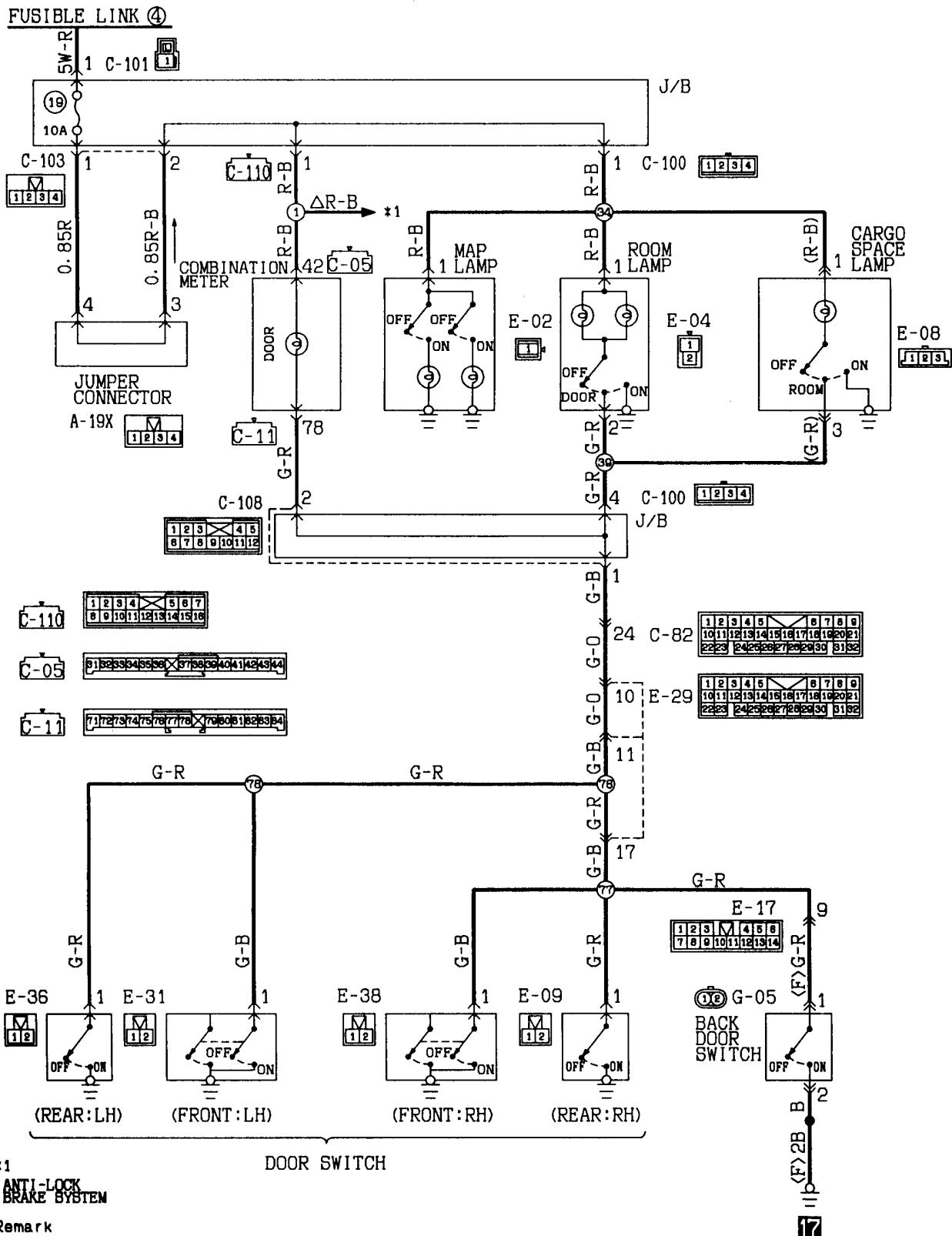
*1

ANTI-LOCK
BRAKE SYSTEMRemark:
△ : R.H. drive vehicles.

FRONT DOOR SWITCH

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

17

ROOM LAMP
 4-door models


ROOM LAMP (See P. 4A-128, 129, 130, 131.)**OPERATION**

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

TROUBLESHOOTING HINTS

1. Room lamp does not come on.
 - 1) Clock is not operating, either.
 - Check multi-purpose fuse No. ⑯.
 - 2) Room lamp does not come on when any door is opened with the room lamp switch in the DOOR position.
 - Check bulb.
 - Check room lamp switch.
 - 3) Room lamp does not come on when a door is opened with the room lamp switch in the DOOR position.
 - Check door switch (of the suspected door).

IGNITION KEY ILLUMINATION LAMP (See P. 4A-134, 135.)**OPERATION**

- When the driver's door is opened, the driver's front door switch turns on and the ignition key illumination lamp illuminates.
- When the driver's door is closed, the driver's front door switch turns off and the discharge from the condenser inside the ignition key illumination lamp timer causes the ignition key illumination lamp to illuminate for 8-16 seconds, after which the lamp switches off.

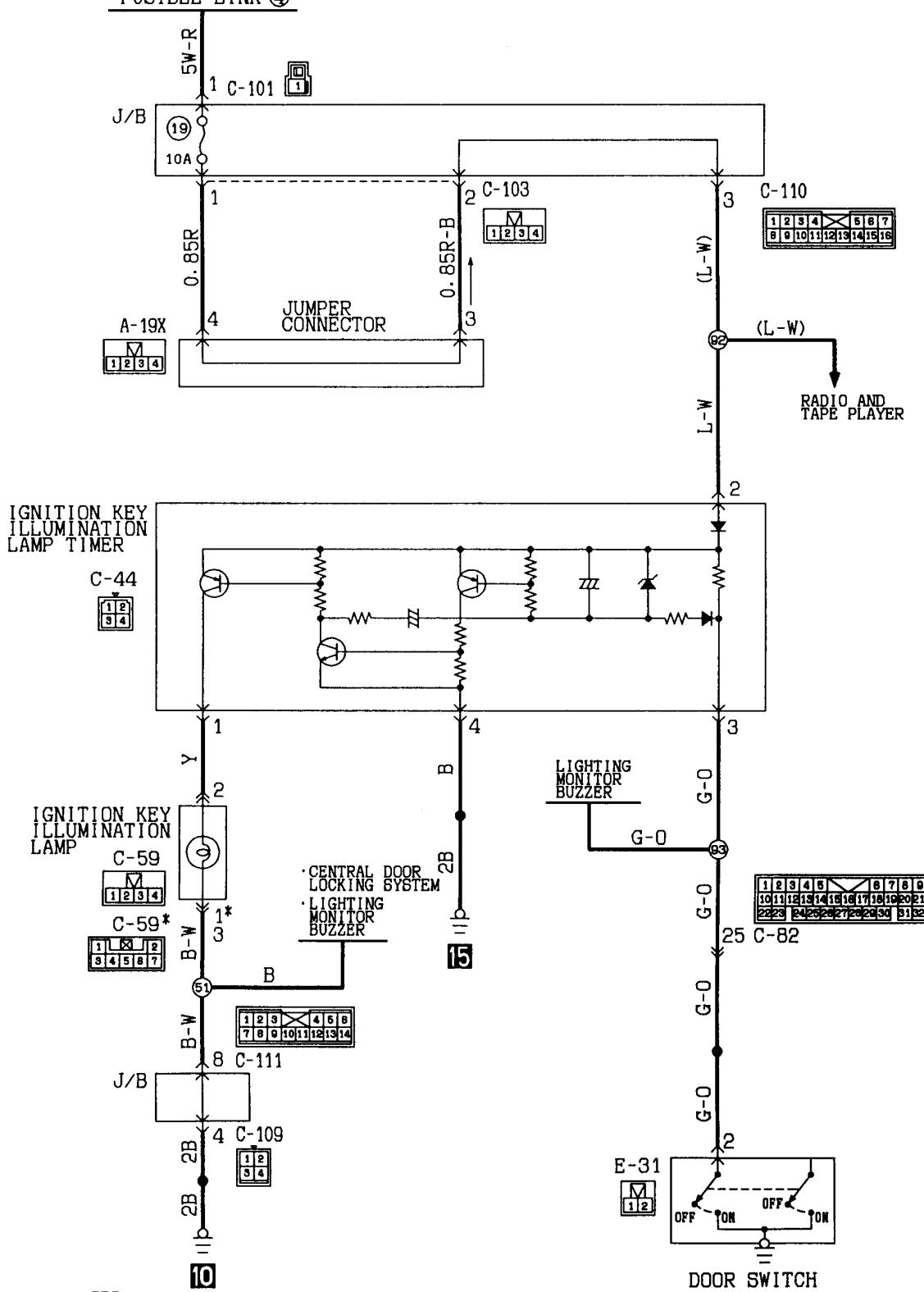
TROUBLESHOOTING HINTS

1. The ignition key illumination lamp does not illuminate.
 - 1) The room lamp also doesn't illuminate when the room lamp switch is at the door position.
 - Check multi-purpose fuse No. ⑯.
 - Check the driver's door switch.
 - Check the ignition key illumination lamp timer.
2. The ignition key illumination lamp switches off immediately after the driver's door is closed.
 - Check the ignition key illumination lamp timer.

IGNITION KEY ILLUMINATION LAMP

L. H. drive vehicles

FUSIBLE LINK ④



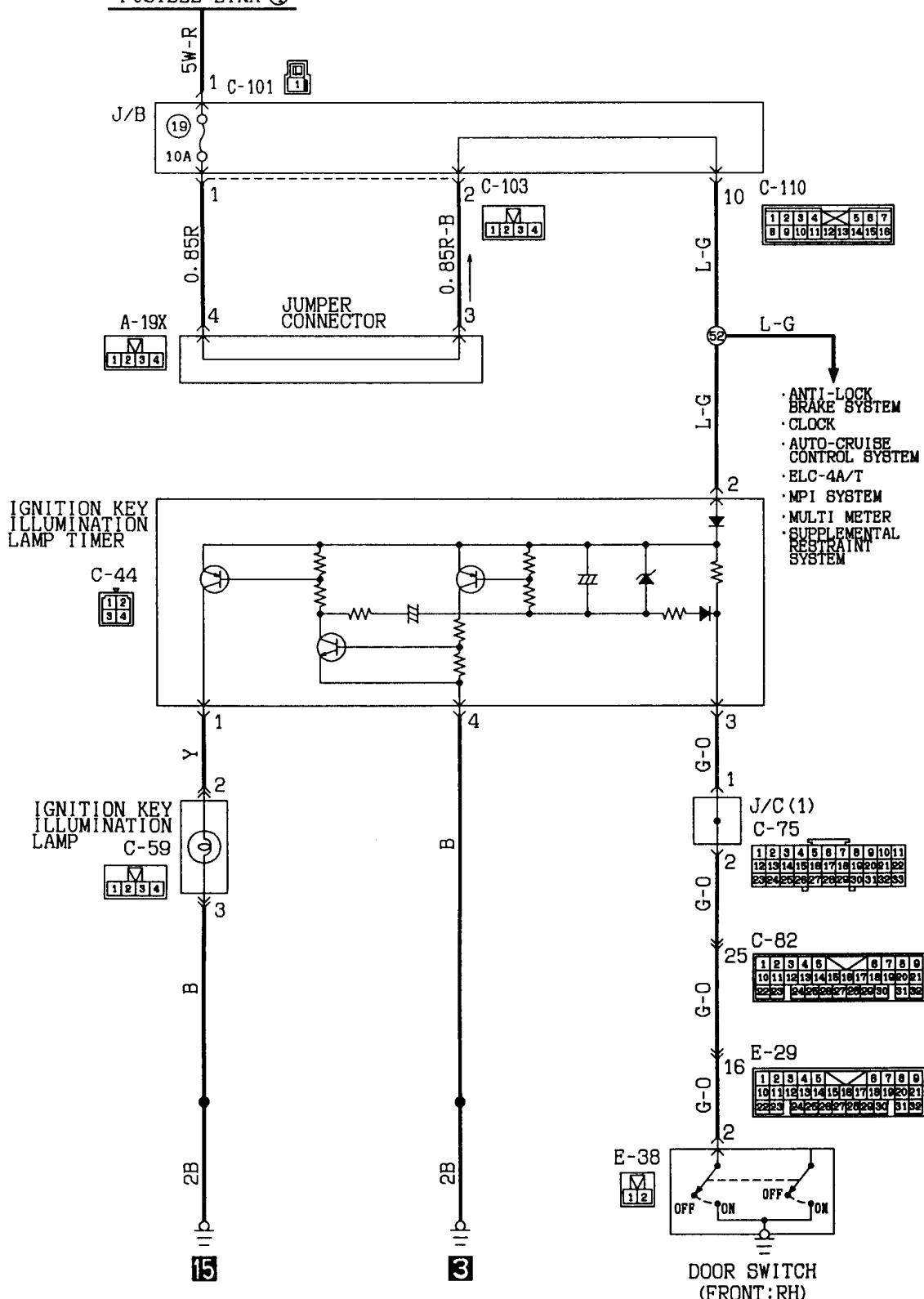
Remark
*:Vehicles with SRS

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

IGNITION KEY ILLUMINATION LAMP

R. H. drive vehicles

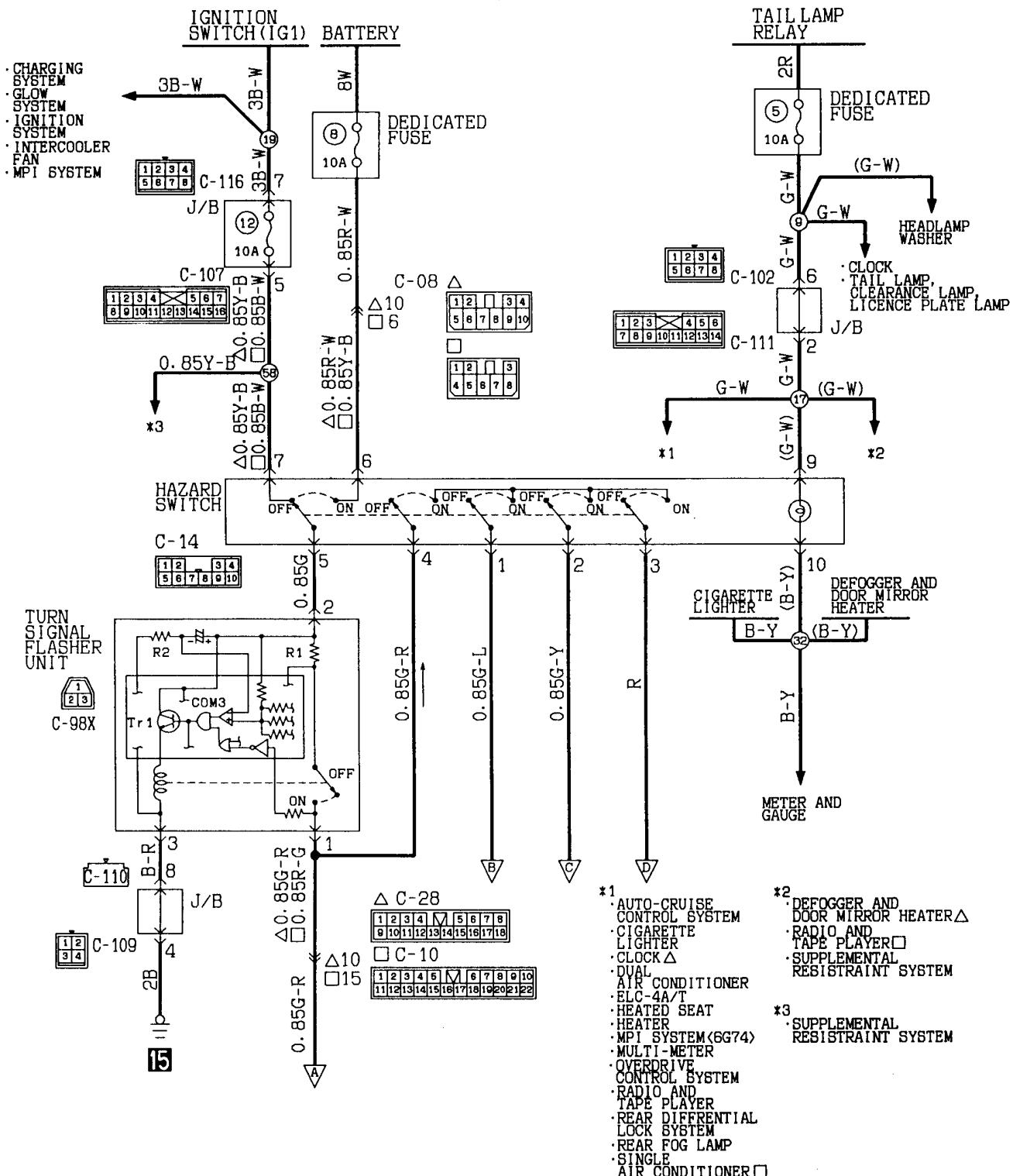
FUSIBLE LINK ④



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	

TURN-SIGNAL LAMP AND HAZARD LAMP

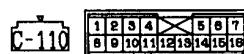


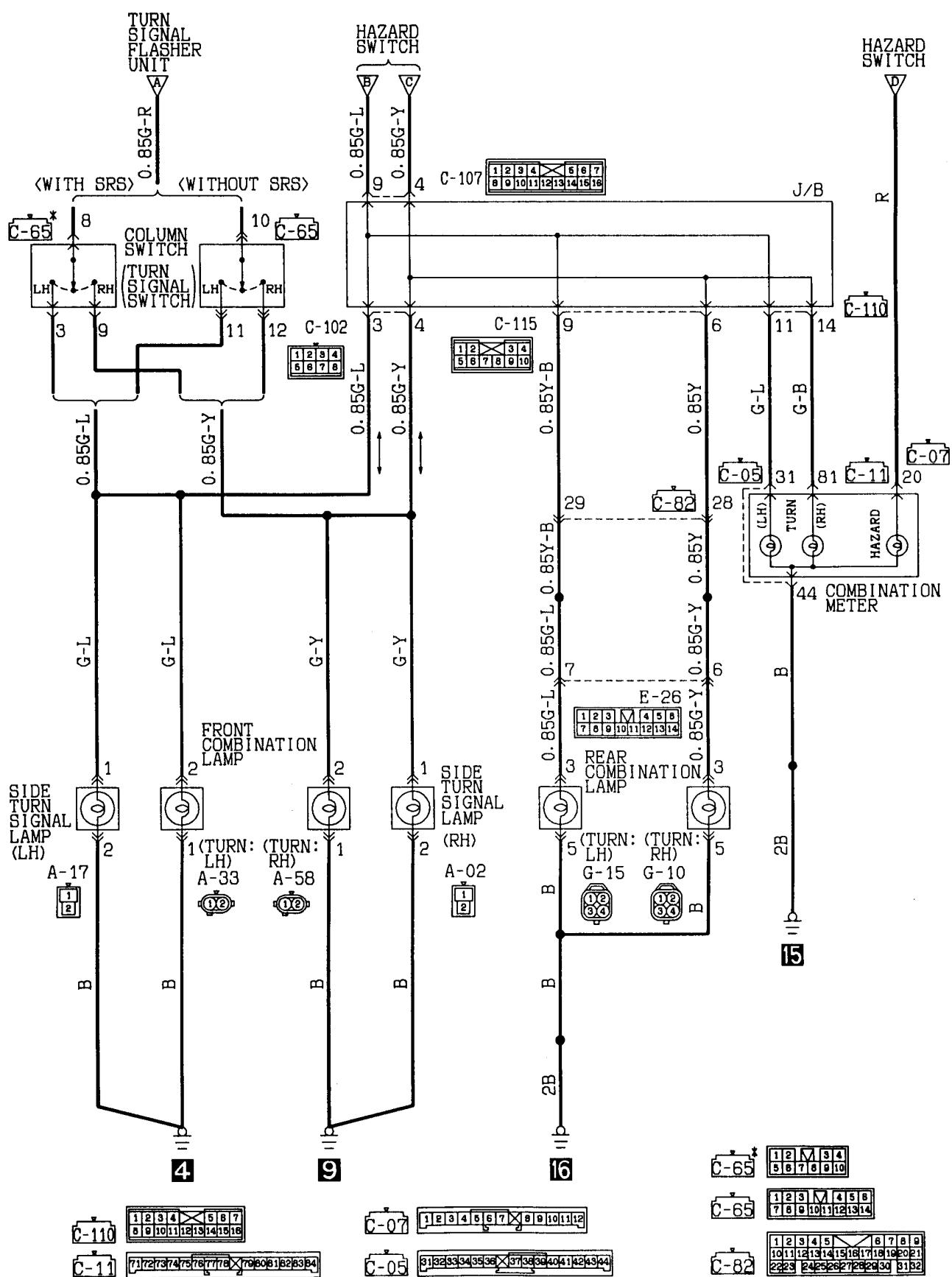
Remarks

- (1) \square : L.H. drive vehicles.
 (2) Δ : R.H. drive vehicles.
 (3) *: Vehicles with SRB.

Wire colour code
 B:Black LG:Light green G:Green
 BR:Brown O:Orange GR:Gray

L:Blue W:White Y:Yellow
 R:Red P:Pink V:Violet SB:Sky blue





TURN-SIGNAL LAMP AND HAZARD LAMP (See P. 4A-136.)

OPERATION

Turn-signal lamp

1. In normal operating condition

- When the ignition switch is placed in the ON position, battery voltage is applied through the hazard switch to the turn-signal and hazard flasher unit.
- When the turn-signal switch is placed in the LH (or RH) position, T_{R1} in the flasher unit turns ON, causing the relay contacts in the flasher unit to close. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp lighting up.
- At the same time, the capacitor is charged through R^2 up to the lower limit as set by COM3.
- As soon as the capacitor is fully charged, the output from COM3 is inverted, turning OFF T_{R1} . This opens the relay contacts and, as a result, the LH (or RH) turn-signal lamp and turn-signal indicator lamp go out.
- At the same time when T_{R1} turns OFF, the capacitor starts discharging. As soon as the capacitor completes discharging, the COM3 output is inverted again causing T_{R1} to turn ON. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp coming on.
- These sequences of operation repeat, which results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp flashing off and on.

2. When one bulb is burnt

- When either one of the turn-signal lamp bulbs goes out, it causes the resistance of the entire lamp circuit to increase; hence a smaller voltage drop at $R1$ in the flasher unit.
- This smaller voltage drop is sensed and the lower voltage limit set by COM3 is raised, thus shortening the time required by the capacitor before it is fully charged.
- As a result, the on-off cycle of T_{R1} becomes shorter with the resultant greater number of times the lamp flashes on and off.

Hazard lamp

- When the hazard switch is placed in the ON position, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

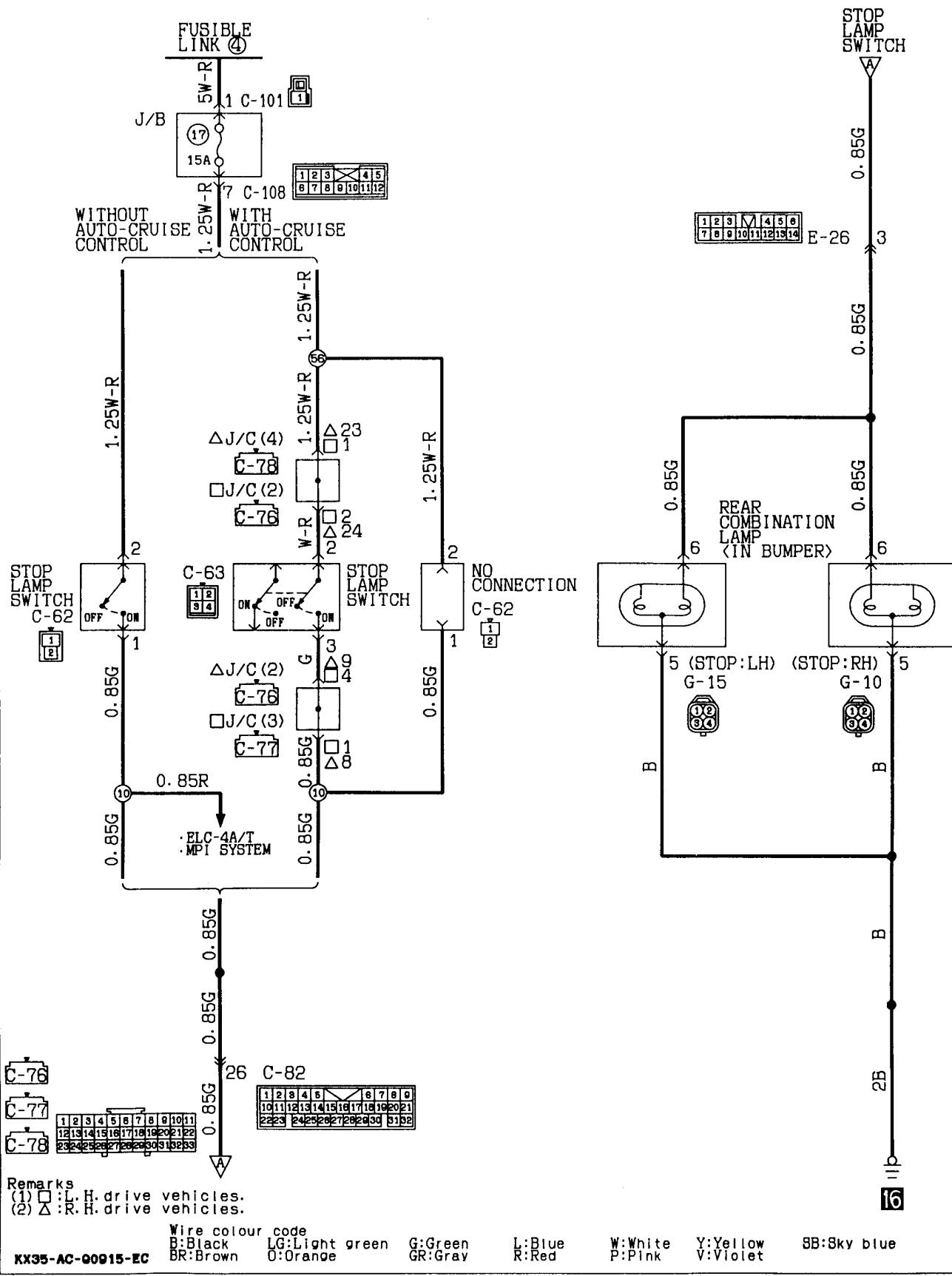
Remark

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

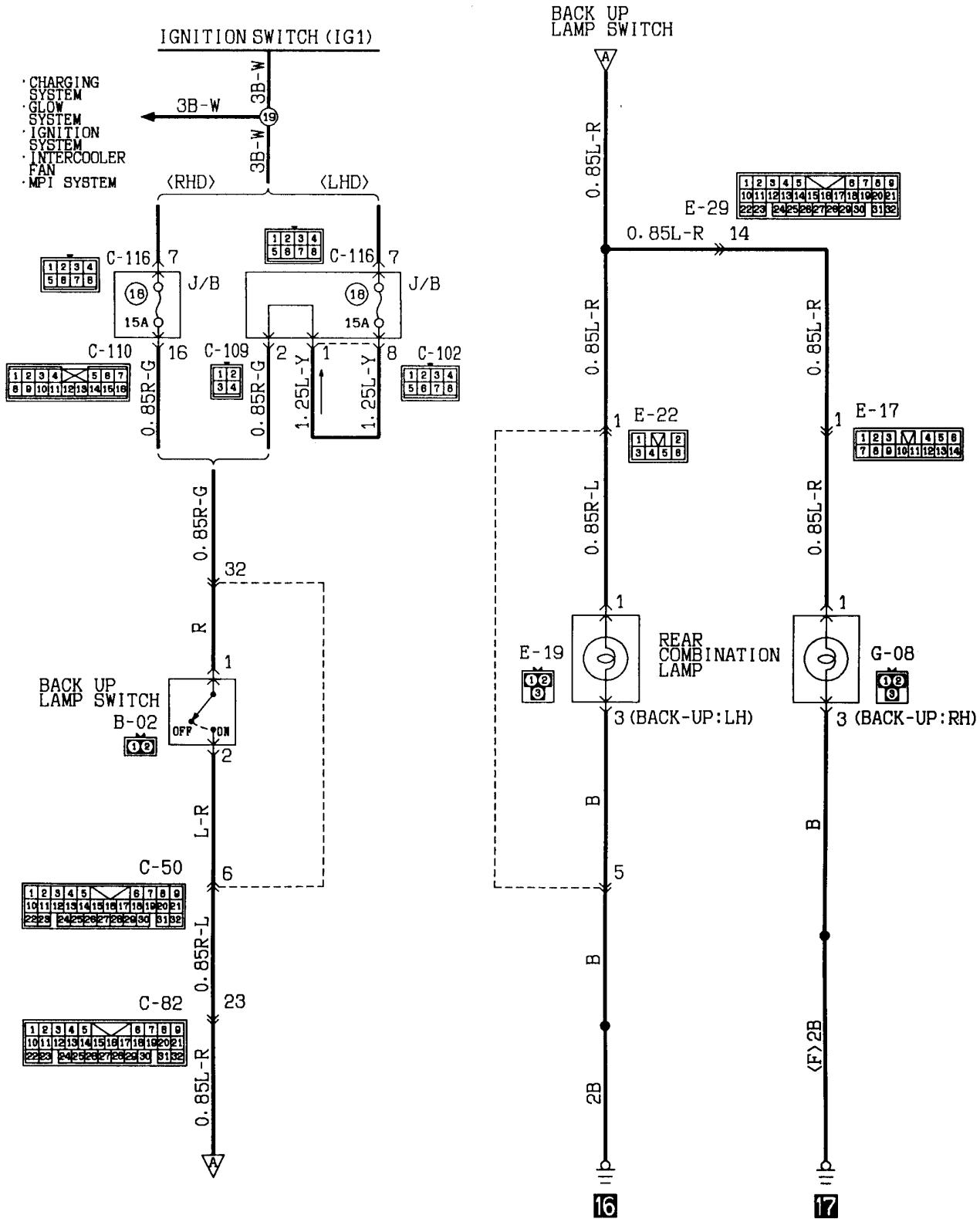
TROUBLESHOOTING HINTS

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

STOP LAMP



BACK-UP LAMP



Wire colour code

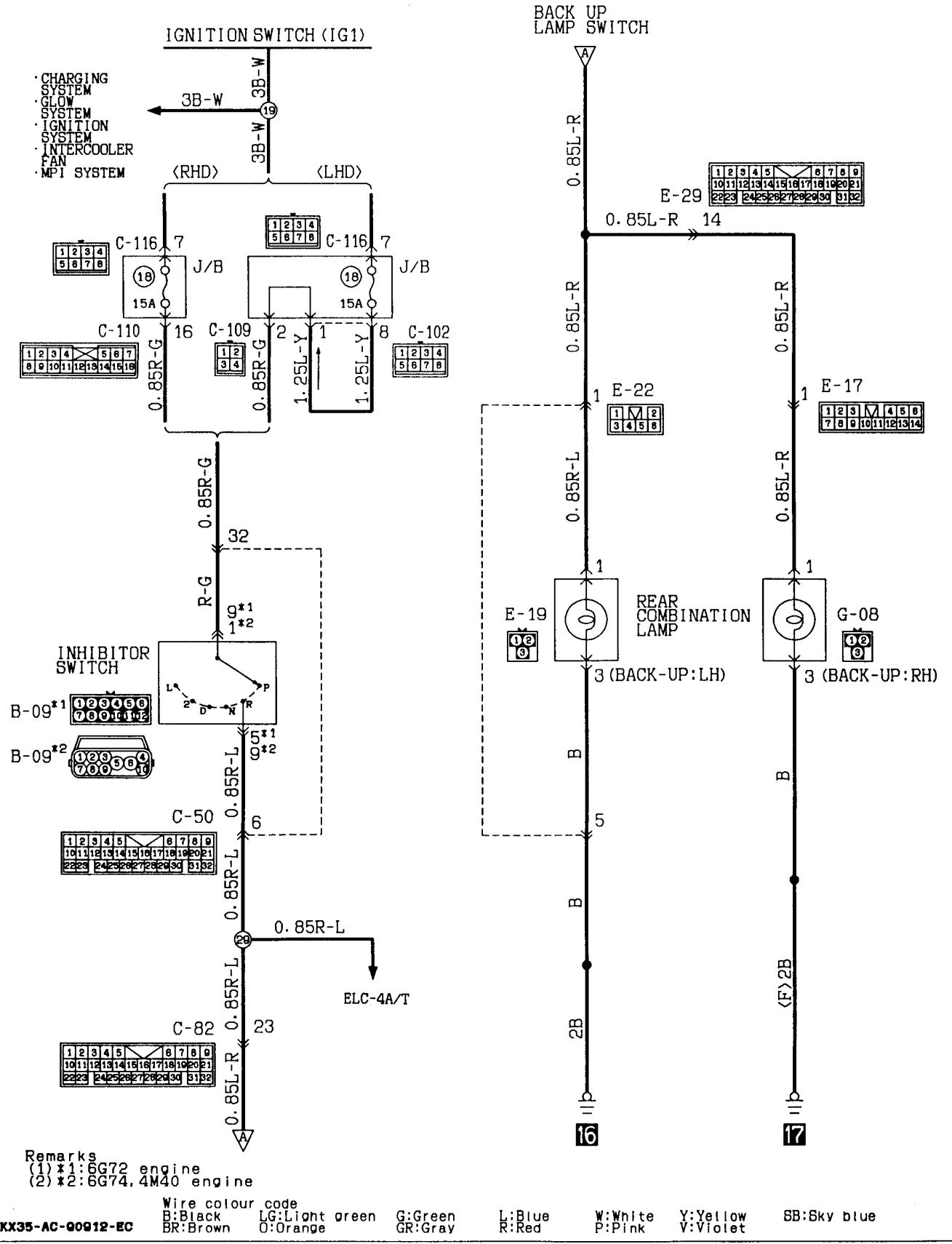
Wire colour code
B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray

L:Blue
R:Red

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

SB:Sky blue

BACK-UP LAMP
A/T

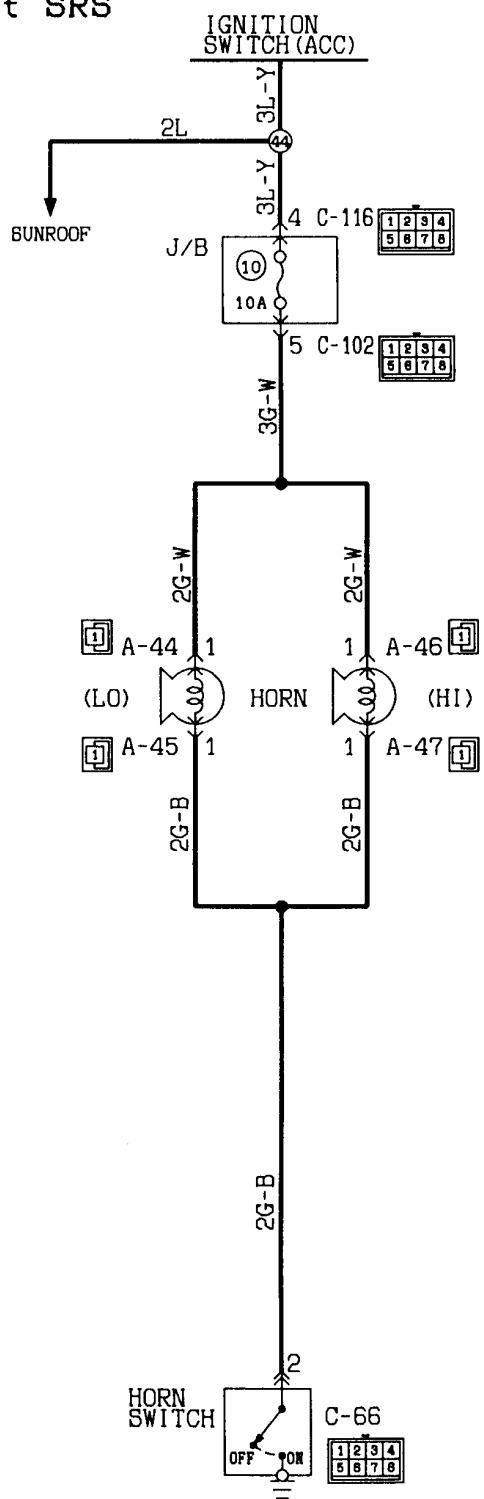


Remarks
(1)*1:6G72 engine
(2)*2:6G74, 4M40 engine

KX35-AC-Q0012-EC 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

HORN

Vehicles without SRS



Wire colour code

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

G:Green GR:Gray

L:Blue R:Red

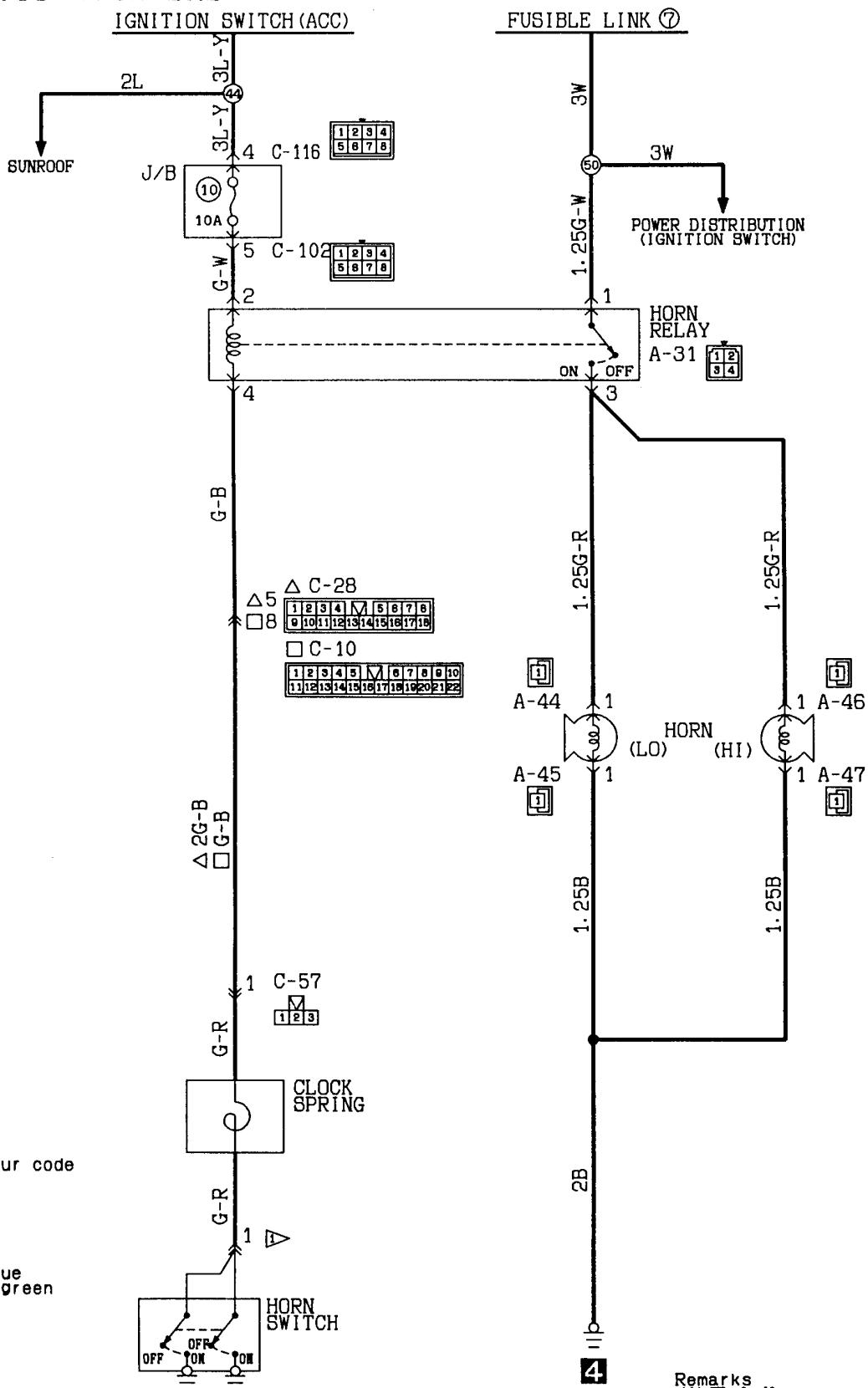
W:White P:Pink
Y:Yellow V:Violet

SB:Sky blue

KX35-AC-00913-EC

HORN

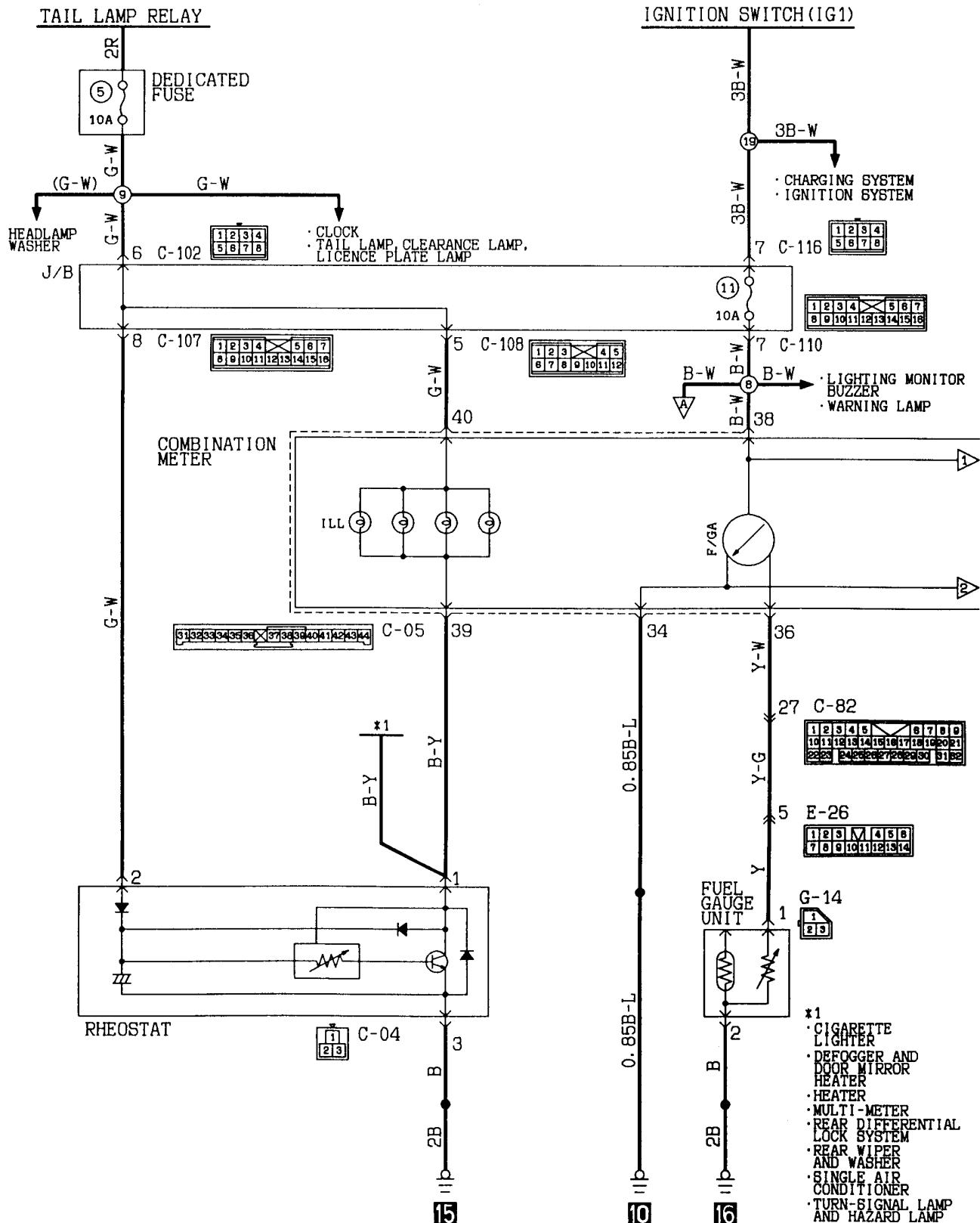
Vehicles with SRS



KX35-AC-00914-EC

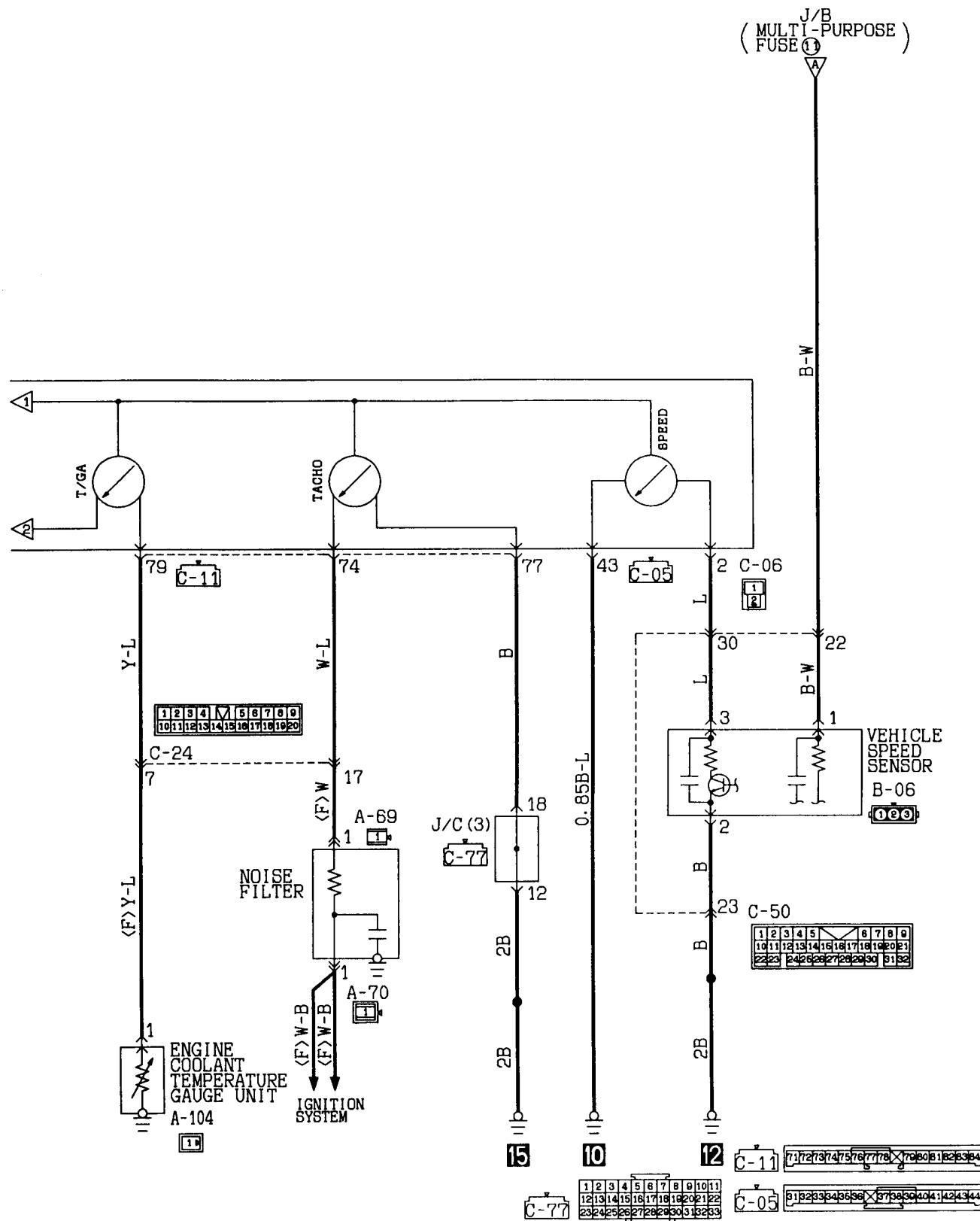
METER AND GAUGE

4G64 engine

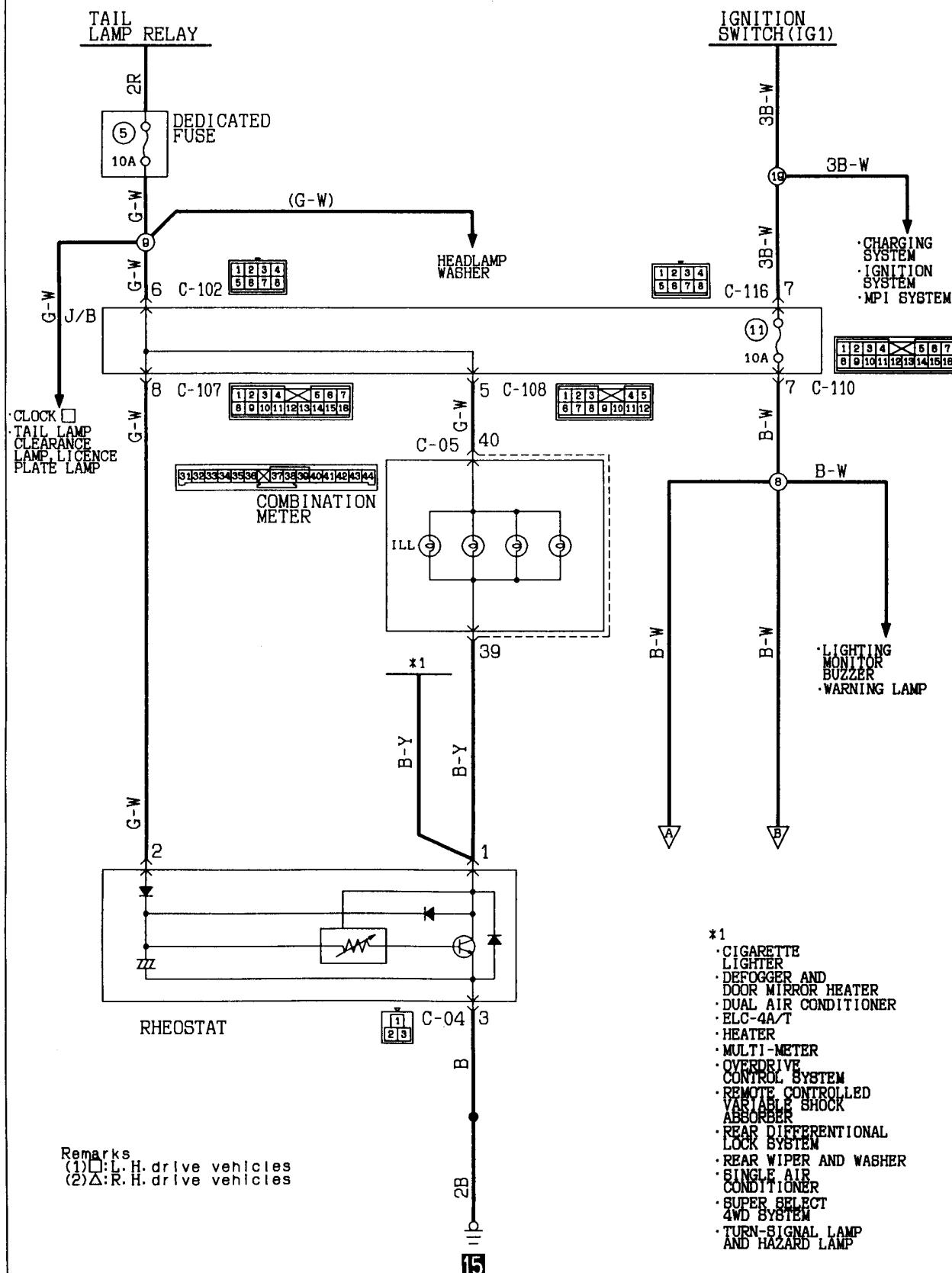


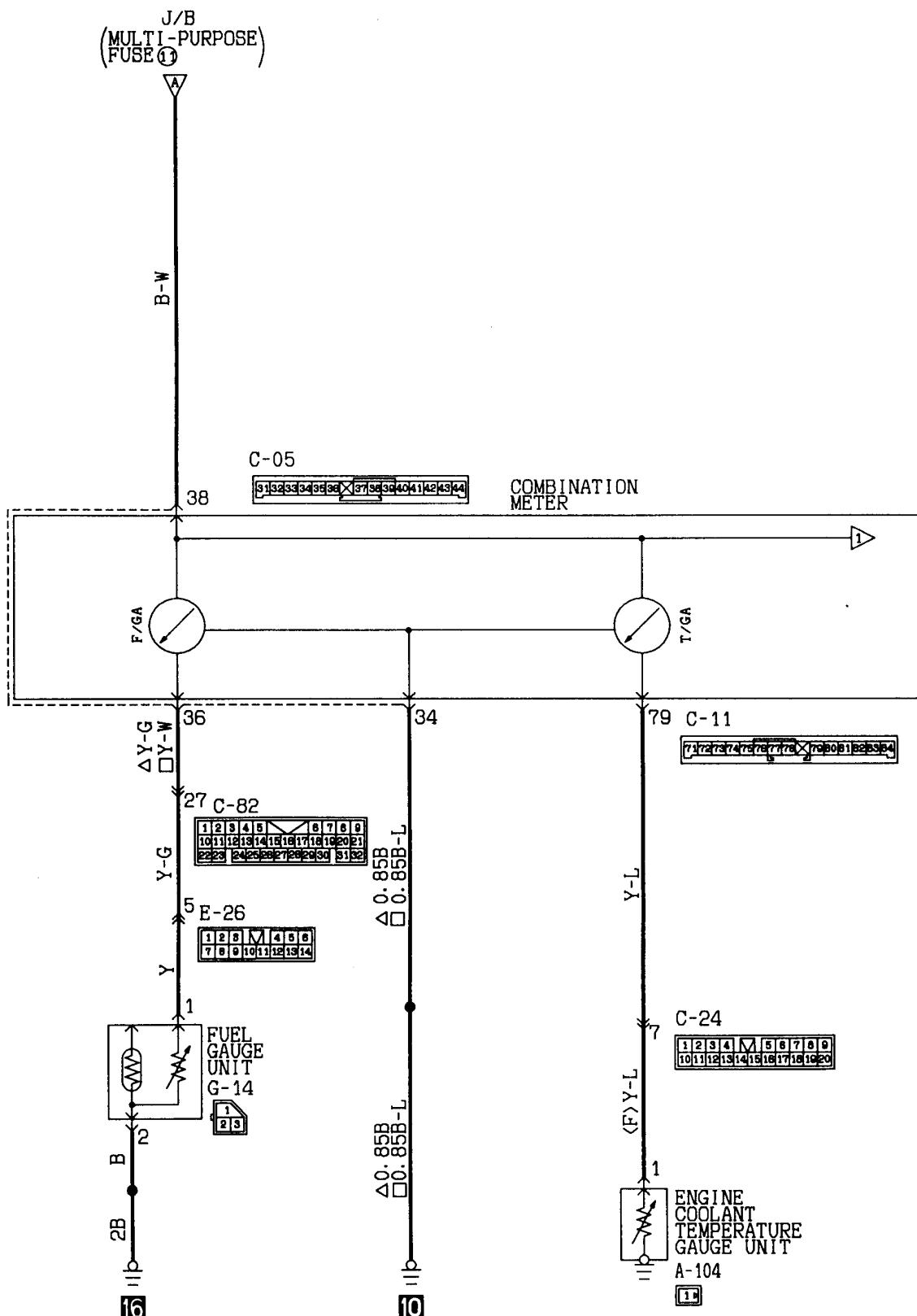
CIRCUIT DIAGRAM

4A-145



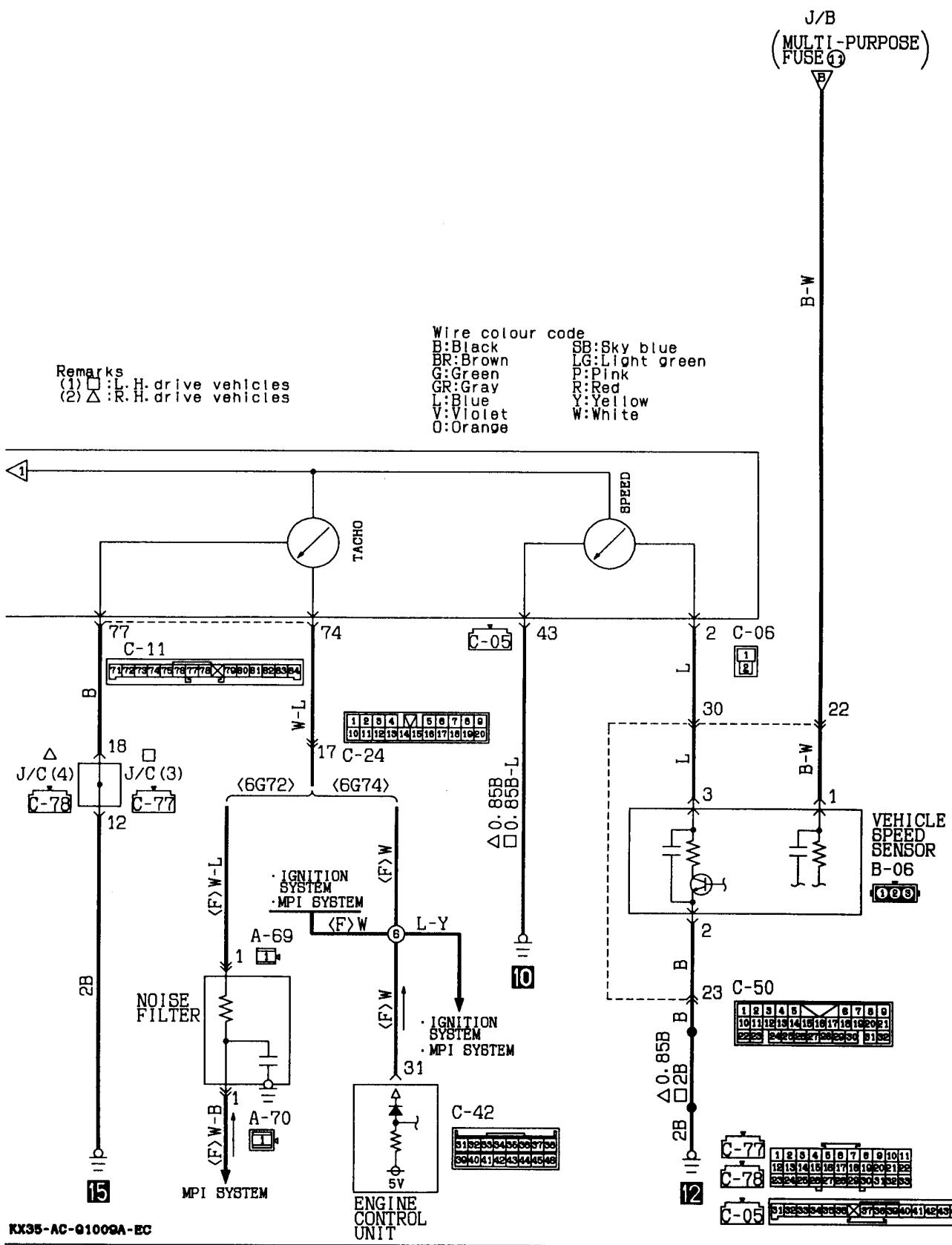
METER AND GAUGE 6G72, 6G74 engine





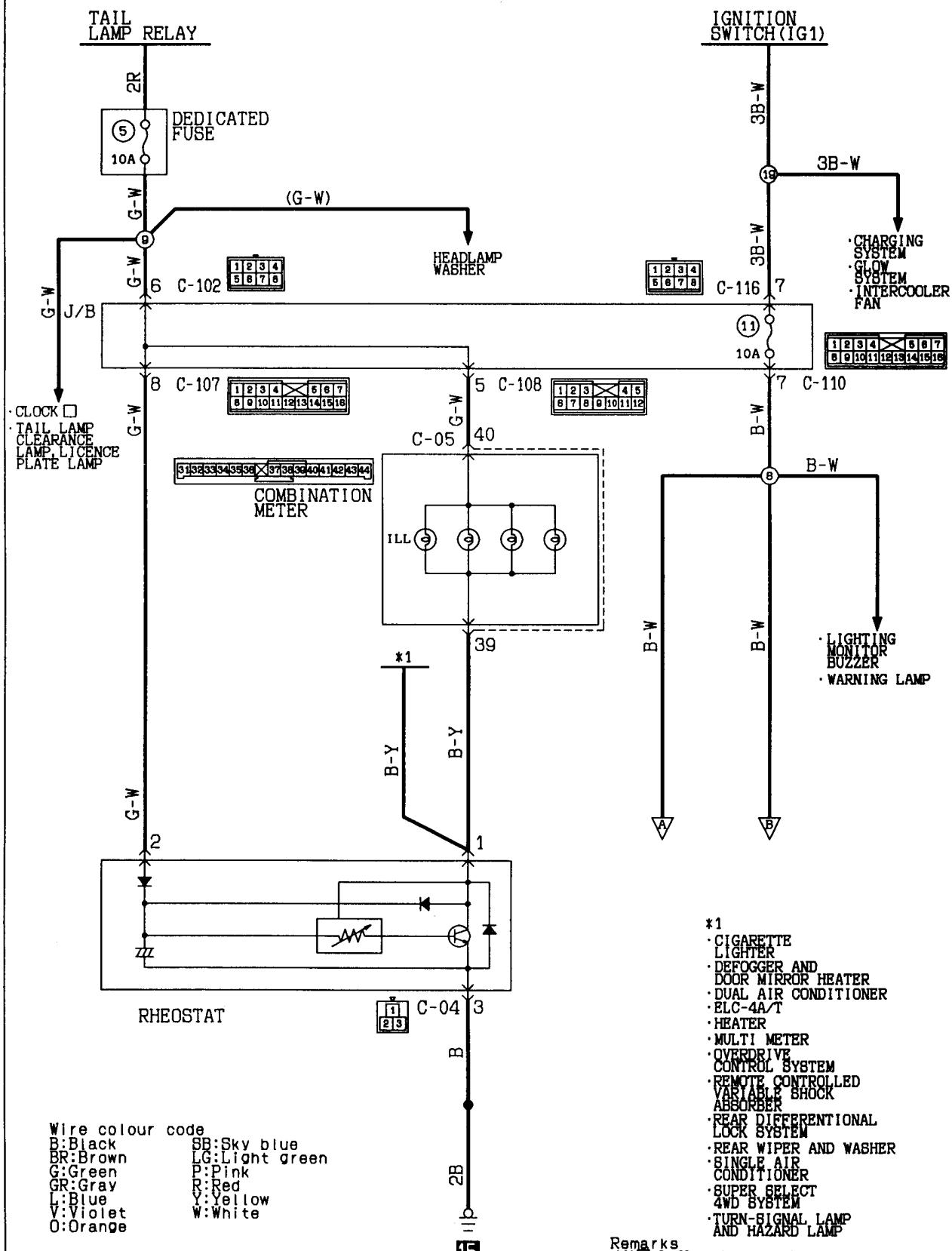
Wire colour code
 B:Black L:Light green G:Green
 BR:Brown O:Orange GR:Gray
 L:Blue R:Red W:White P:Pink Y:Yellow V:Violet SB:Sky blue

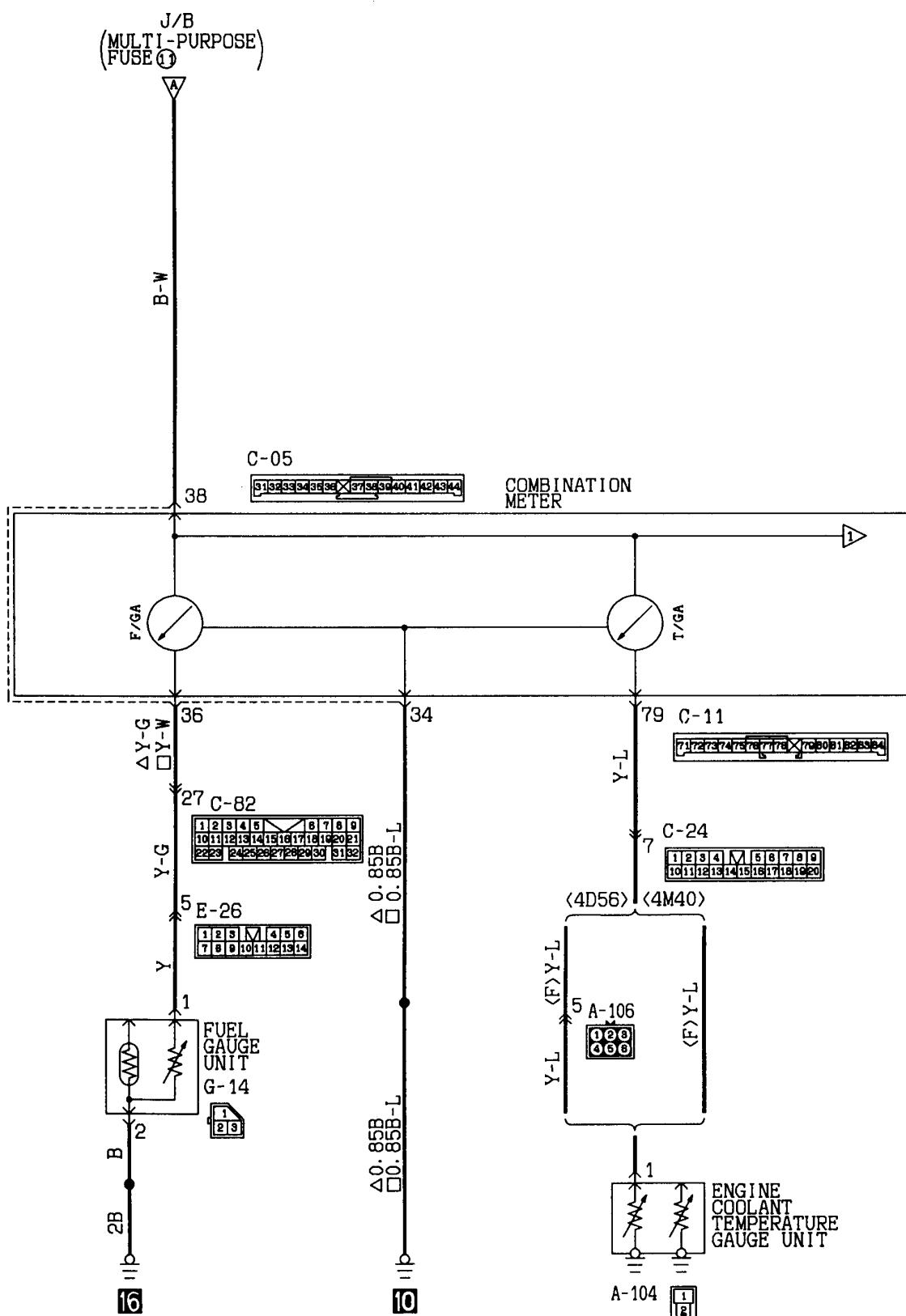
METER AND GAUGE (6G72, 6G74 engine) (CONTINUED)

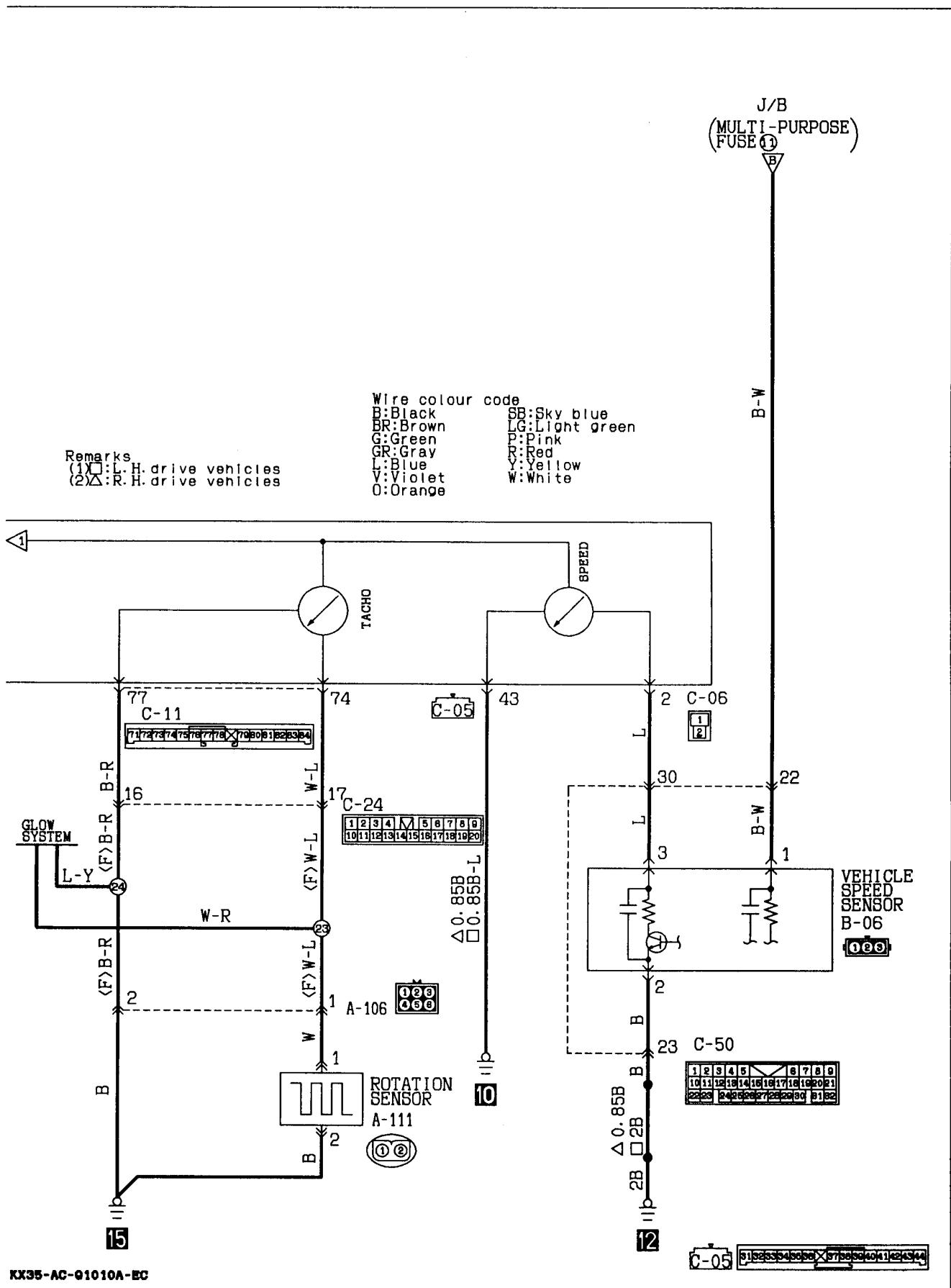


NOTES

METER AND GAUGE 4D56, 4M40 engine







METER AND GAUGE (See P. 4A-144, 146, 150.)**OPERATION****<Fuel gauge>**

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

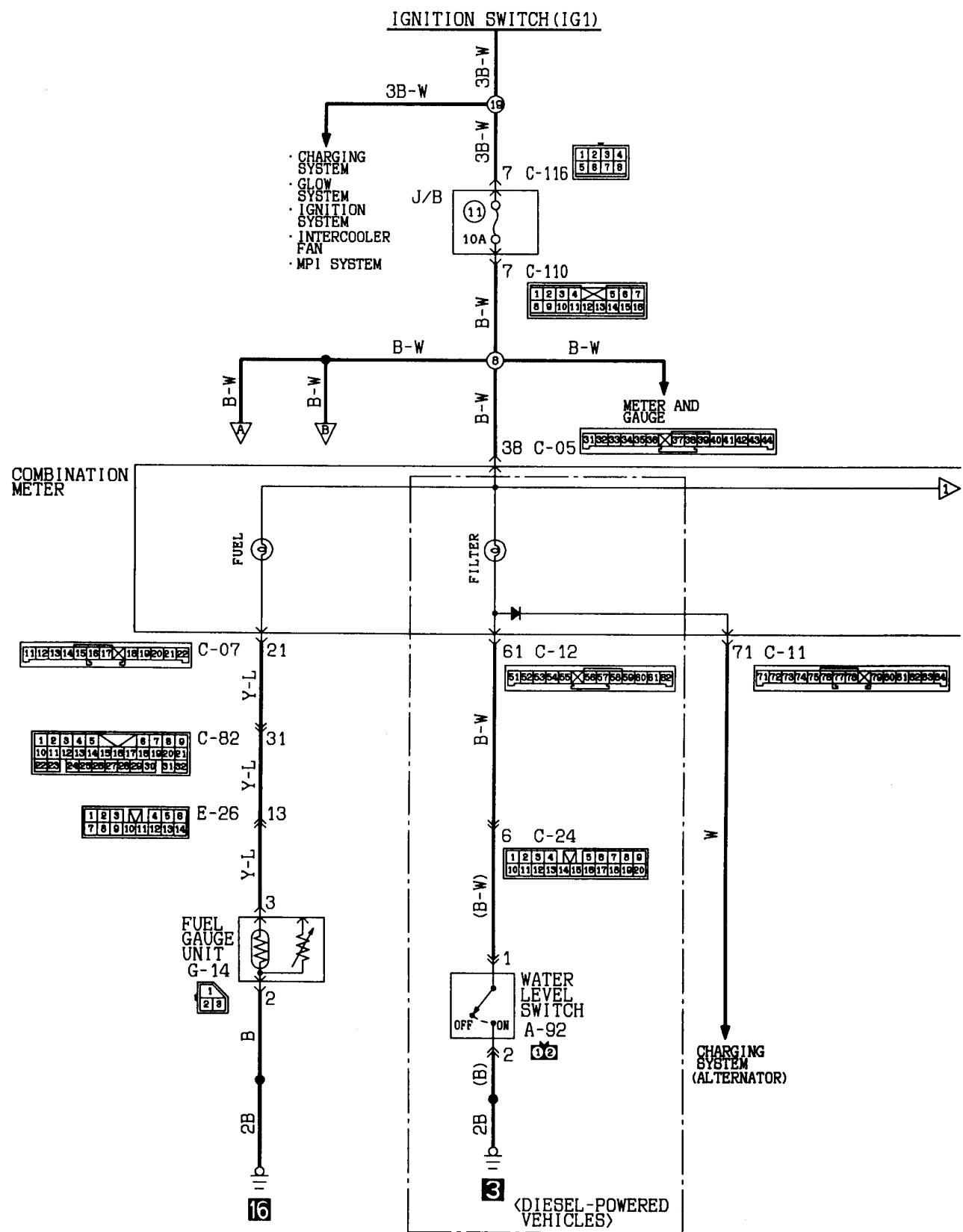
<Engine coolant temperature gauge>

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

TROUBLESHOOTING HINTS

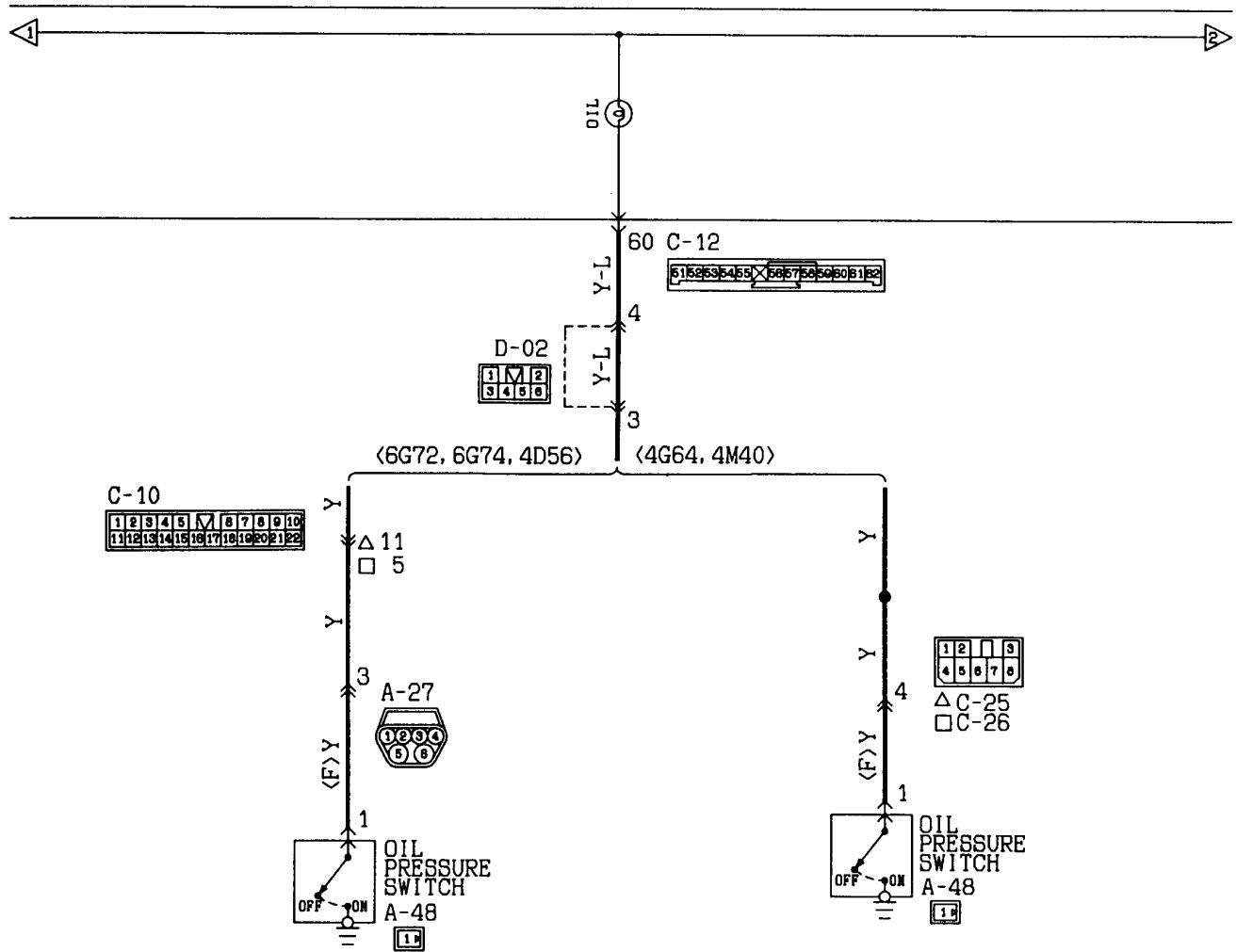
1. Fuel gauge does not operate, or registers incorrectly.
 - 1) The fuel gauge indicates "F" when the fuel gauge unit connector is disconnected and the "1" terminal is earthed.
 - Check fuel gauge.
2. Engine coolant temperature gauge does not operate, or registers incorrectly.
 - 1) When the engine coolant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

LOW FUEL WARNING LAMP

FUEL FILTER WARNING LAMP
(Diesel-powered vehicles)

OIL PRESSURE WARNING LAMP

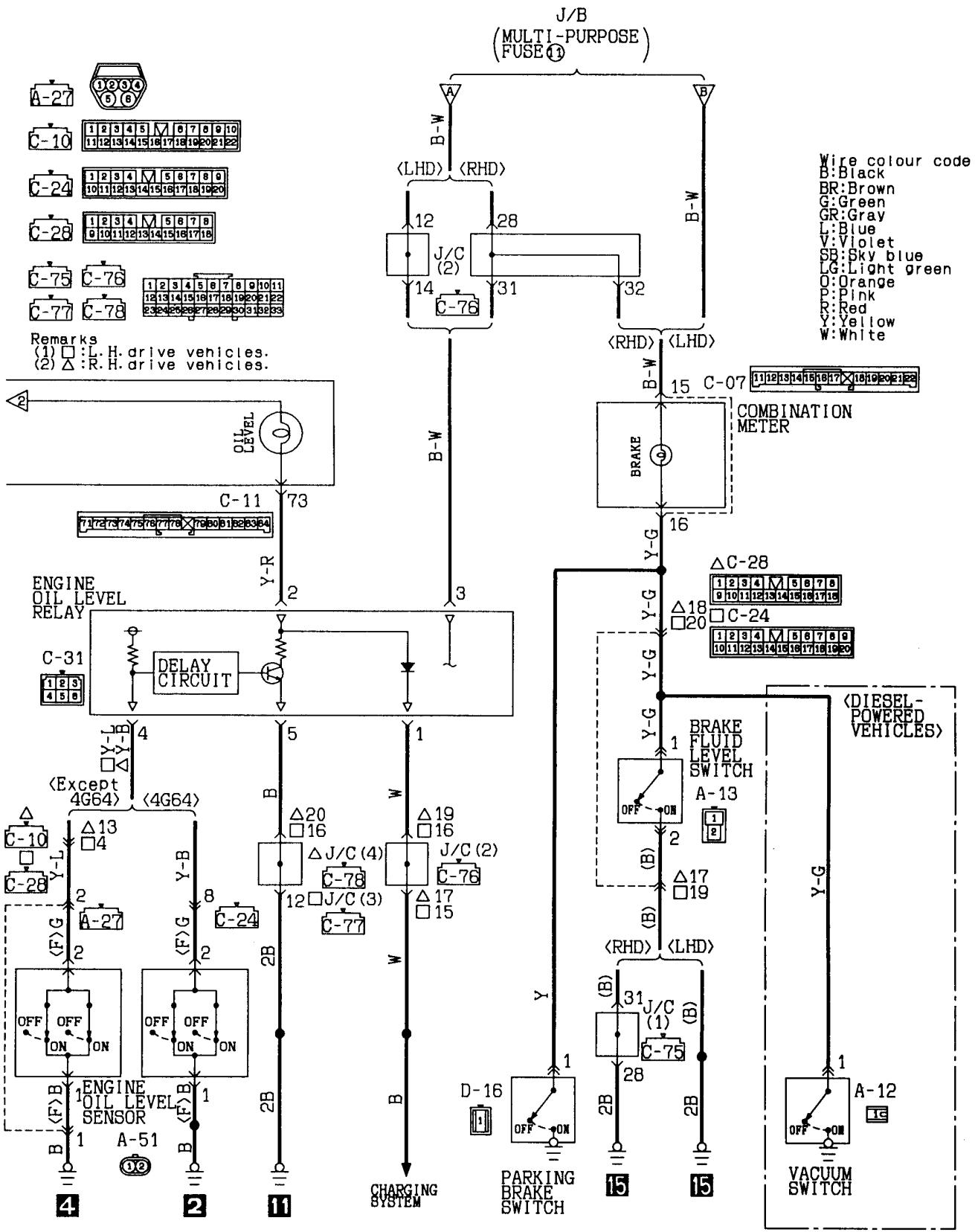
Remarks
 (1) □ : L. H. drive vehicles
 (2) Δ : R. H. drive vehicles



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

**LOW ENGINE OIL LEVEL
WARNING LAMP**

BRAKE WARNING LAMP



KX35-AC-Q1014A-EC

LOW FUEL WARNING LAMP**FUEL FILTER WARNING LAMP (Diesel-powered vehicles)****OIL PRESSURE WARNING LAMP****BRAKE WARNING LAMP****LOW ENGINE OIL WARNING LAMP (See P. 4A-154.)****OPERATION****<Low fuel warning lamp>**

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

<Fuel filter warning lamp (Diesel-powered vehicles)>

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

<Oil pressure warning lamp>

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

<Brake warning lamp>

- When the brake fluid level goes down below a predetermined level or parking brake lever pulled, with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned ON, causing the brake warning lamp to light up.
- On diesel-powered vehicles, when the brake booster vacuum line fails, the vacuum switch is turned ON causing the brake warning lamp to light up.

<Low engine oil warning lamp>

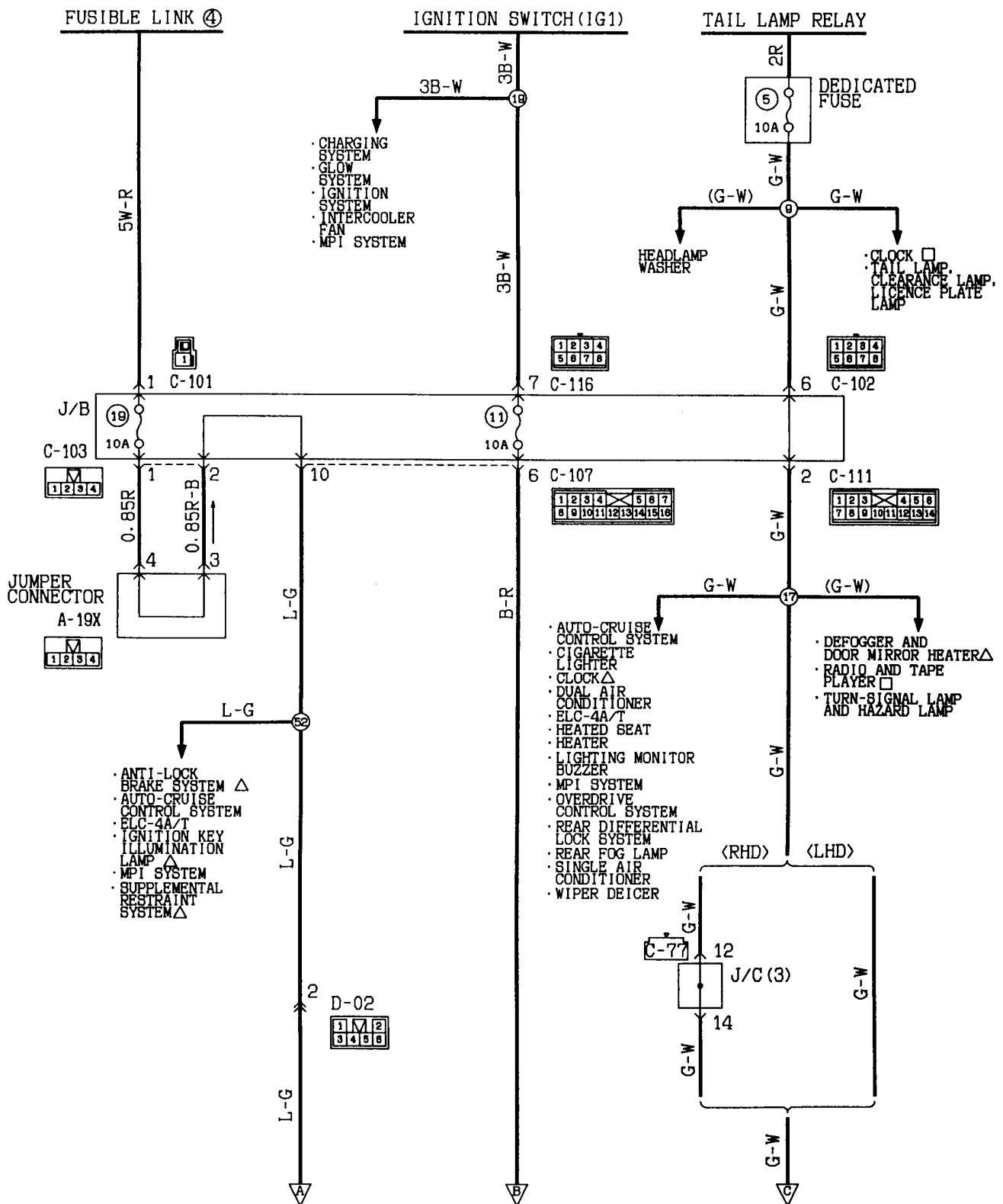
- When the ignition switch is turned to the "ON" position (in the state where the engine is stopped), electric current will flow to terminal "L" of the alternator through the multi-purpose fuse No. ⑪, low engine oil warning lamp and engine oil level relay and the low engine oil warning lamp will also light up.
- When the engine starts, the charging voltage will be applied to the terminal "L" of the alternator. Therefore, the low engine oil warning lamp will go out.
- When the engine oil temperature rises to approx. 55°C (131°F), the engine oil level sensor (TEMP) provided in the oil pan will be turned off.
- When the engine oil amount in the oil pan drops below the set level in this state, the engine oil level sensor (LEVEL) will be turned off to apply the voltage to the delay circuit.
- If the "OFF" state continues for approx. 20 seconds or more, the power transistor will be turned on to light the low engine oil warning lamp to indicate a shortage of engine oil.

Remark

The delay circuit is provided to prevent the low engine oil warning lamp from going on even if the engine oil level sensor is temporarily turned off due to cornering or other running conditions of the vehicle.

MULTI-METER

Without electronic compass



Wire colour code

B:Black LG:Light
BR:Brown

BR:Brown O:Orange

卷之三

Green G:Green

GR:Gray

704

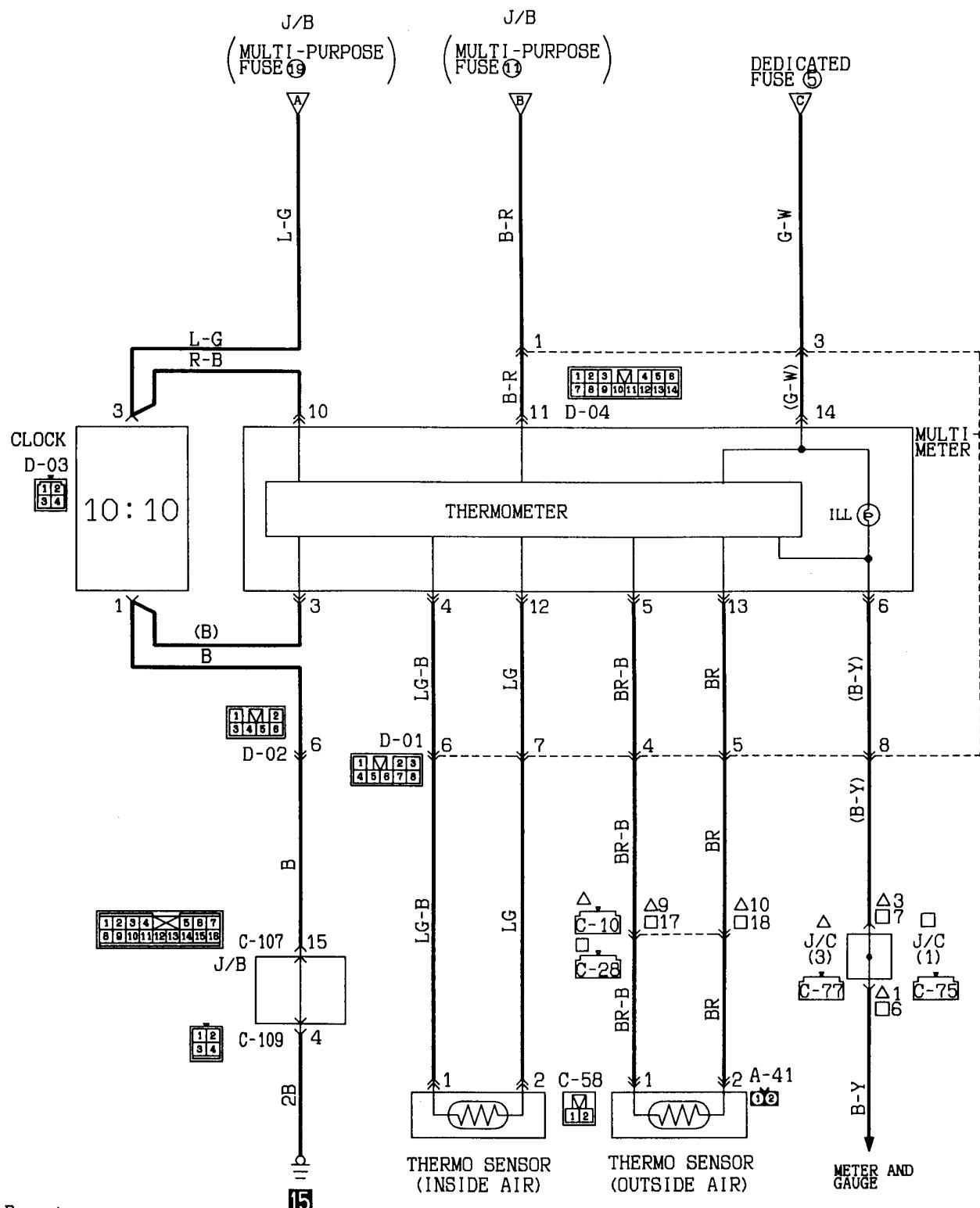
L:Blue

R: Red

W:White
B:Black

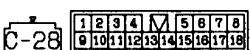
P:Pink

KX35-AC-Q1011-EC



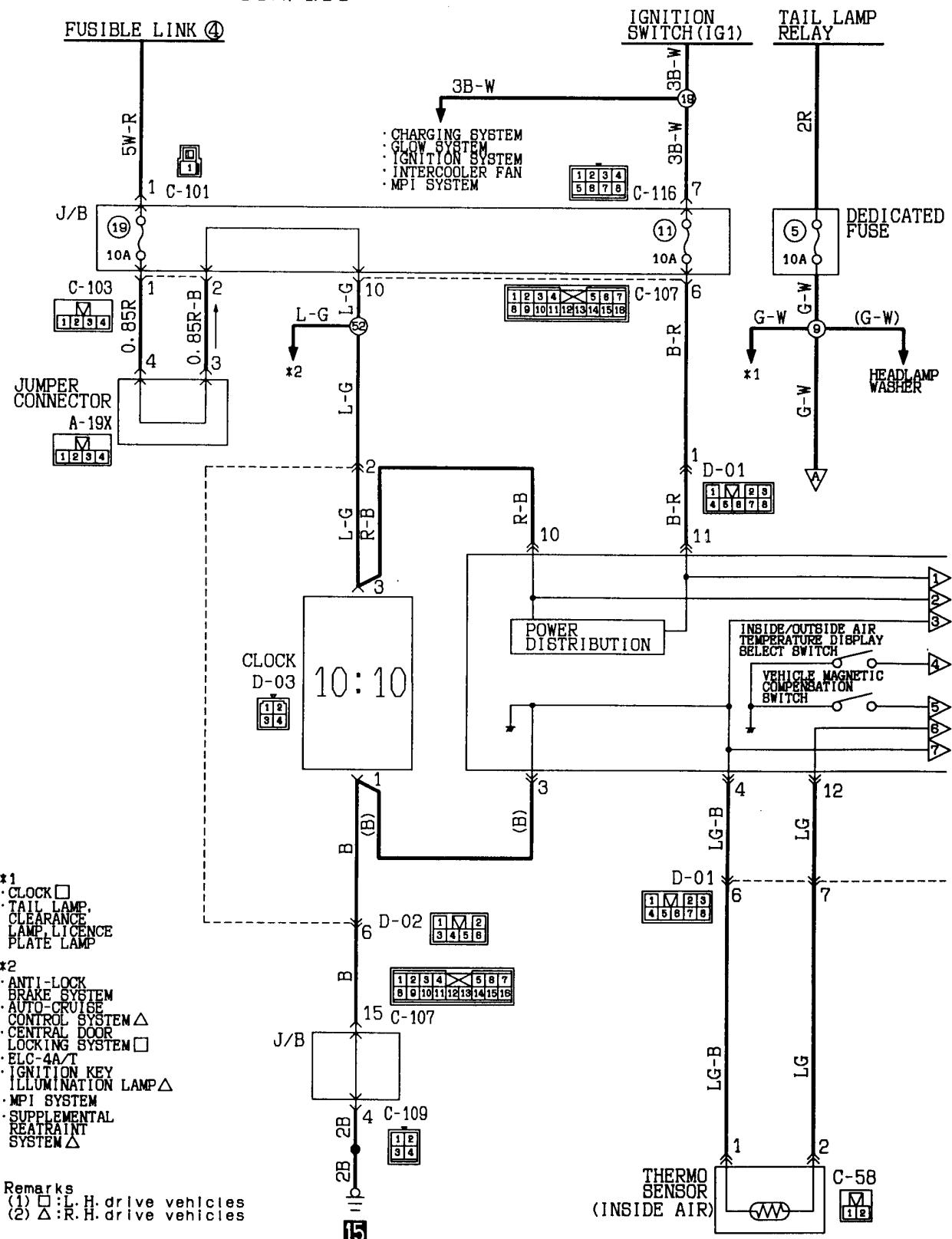
Remarks

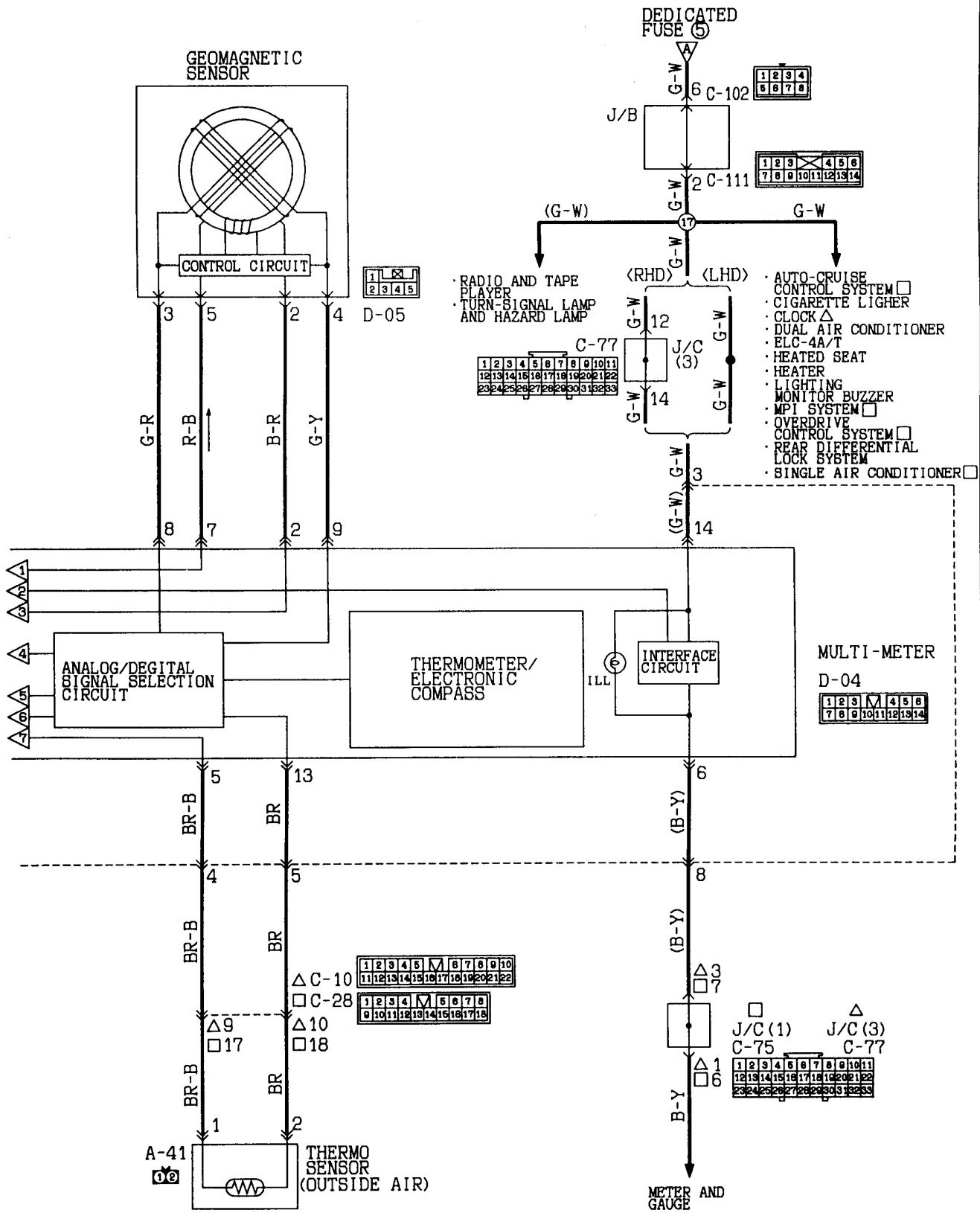
(1) □: L.H. drive vehicles
 (2) Δ: R.H. drive vehicles



MULTI-METER

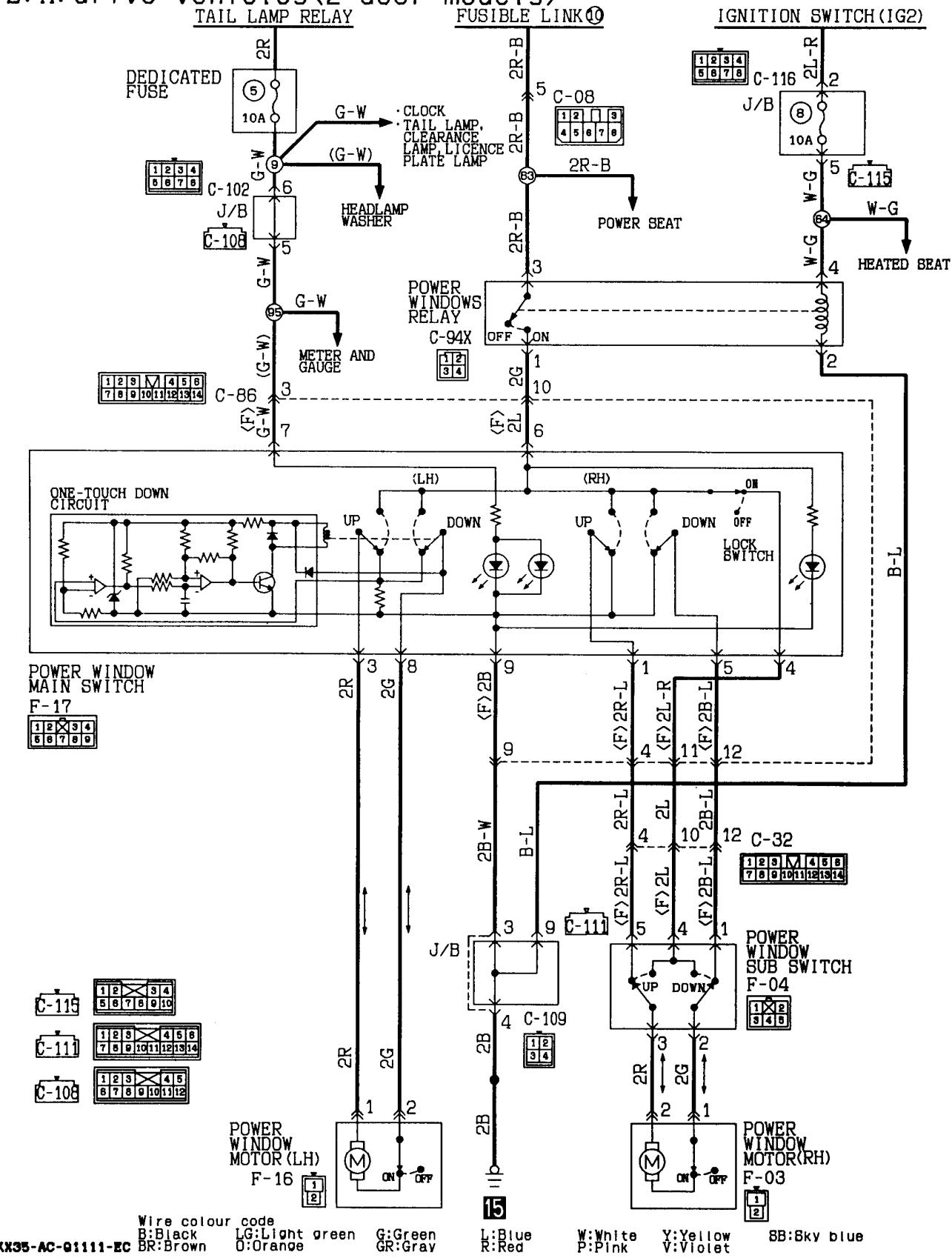
With electronic compass





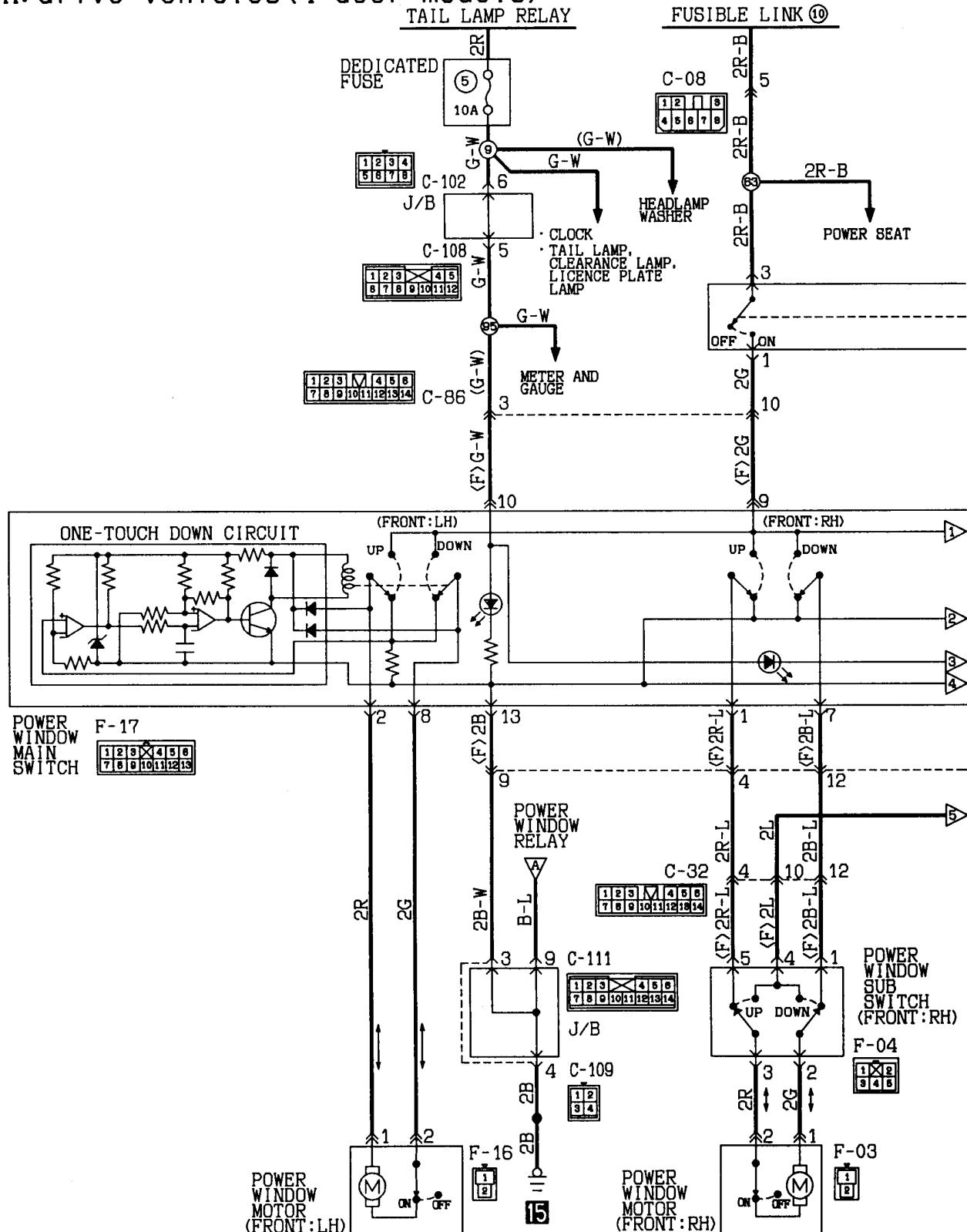
POWER WINDOW

L. H. drive vehicles <2-door models>



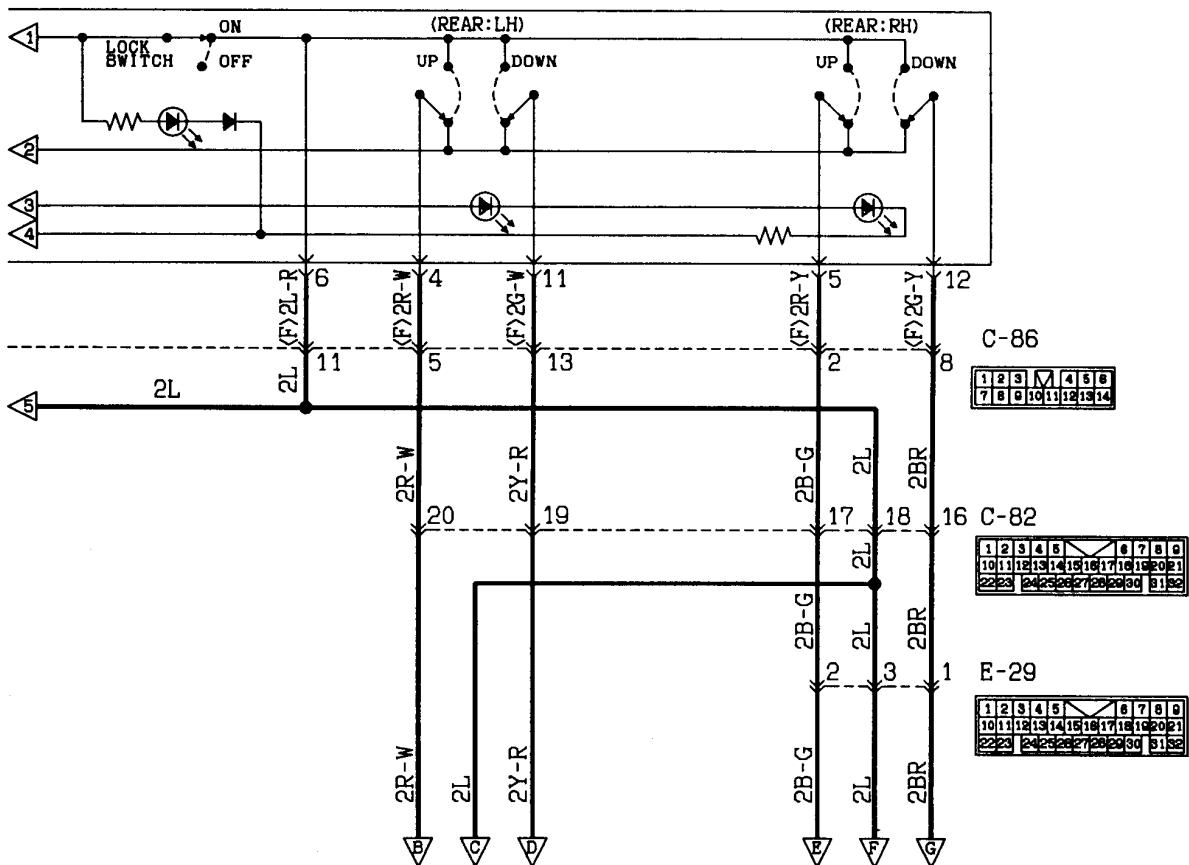
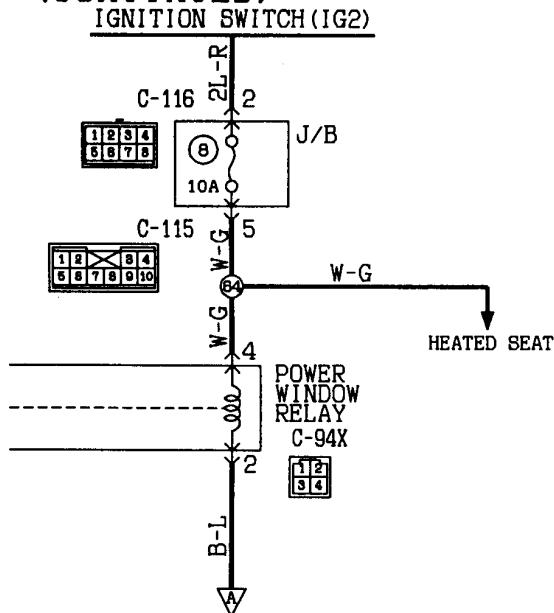
POWER WINDOW

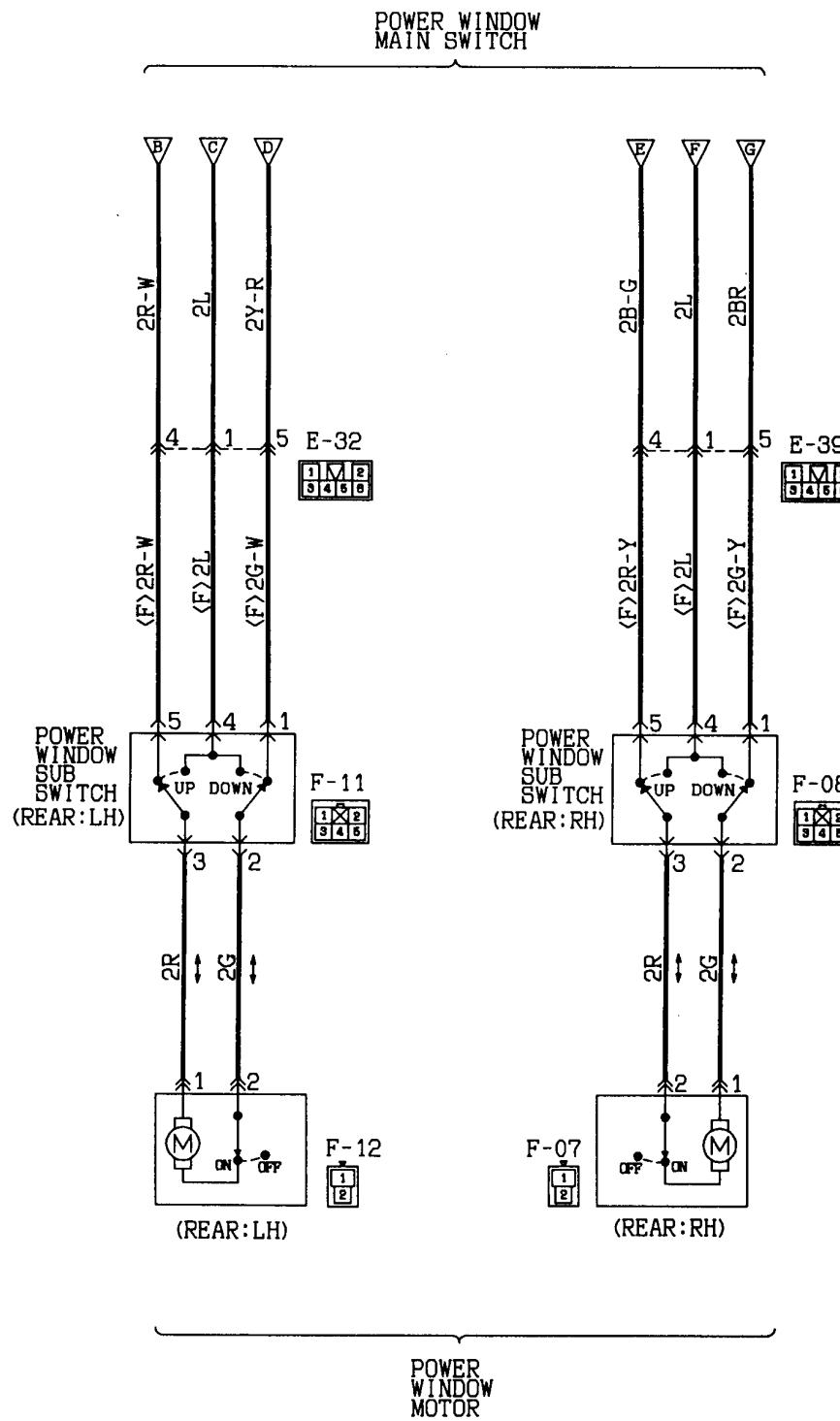
L.H. drive vehicles<4-door models>



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

**POWER WINDOW< L. H. drive vehicles (4-door models)>
(CONTINUED)**

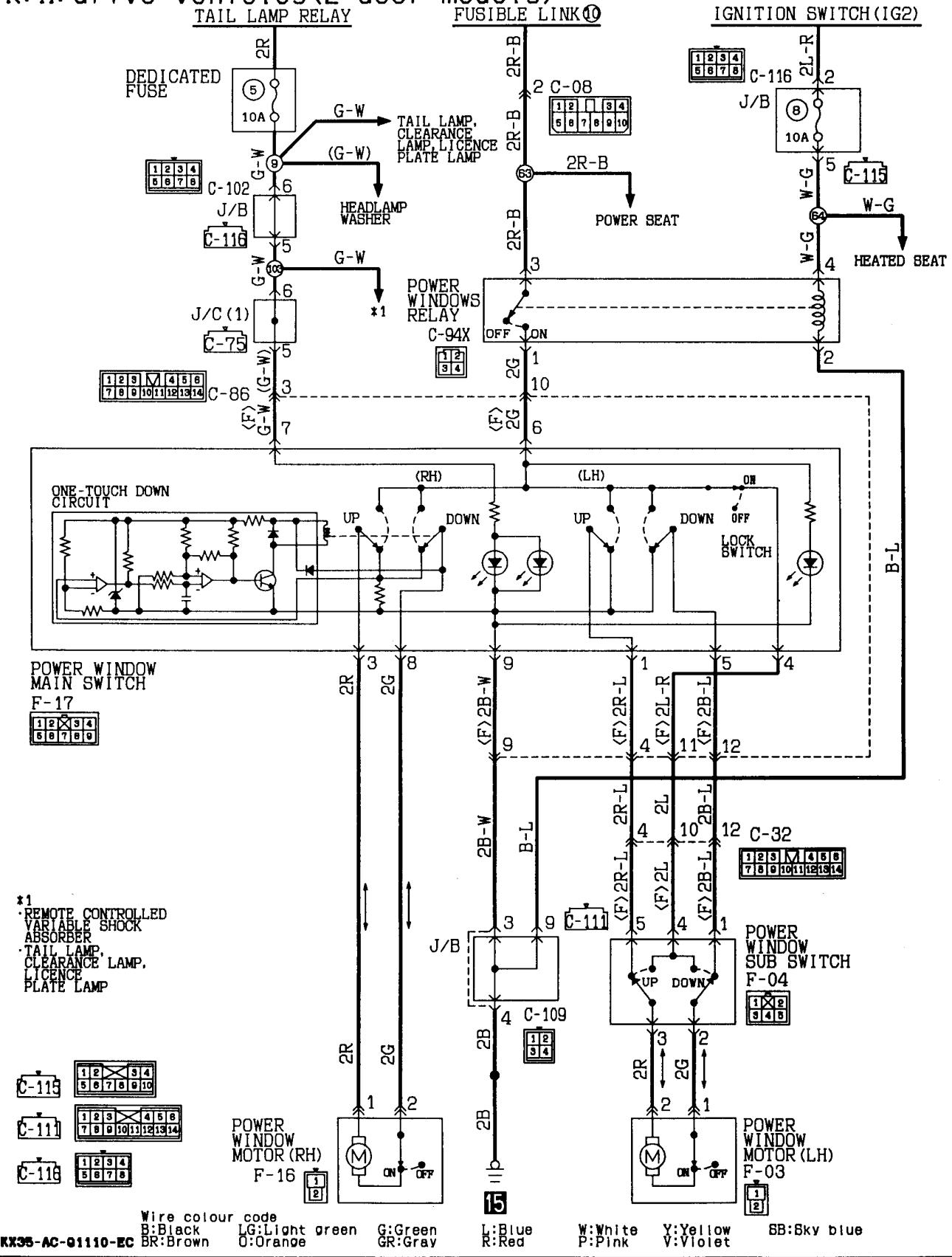




Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow BB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

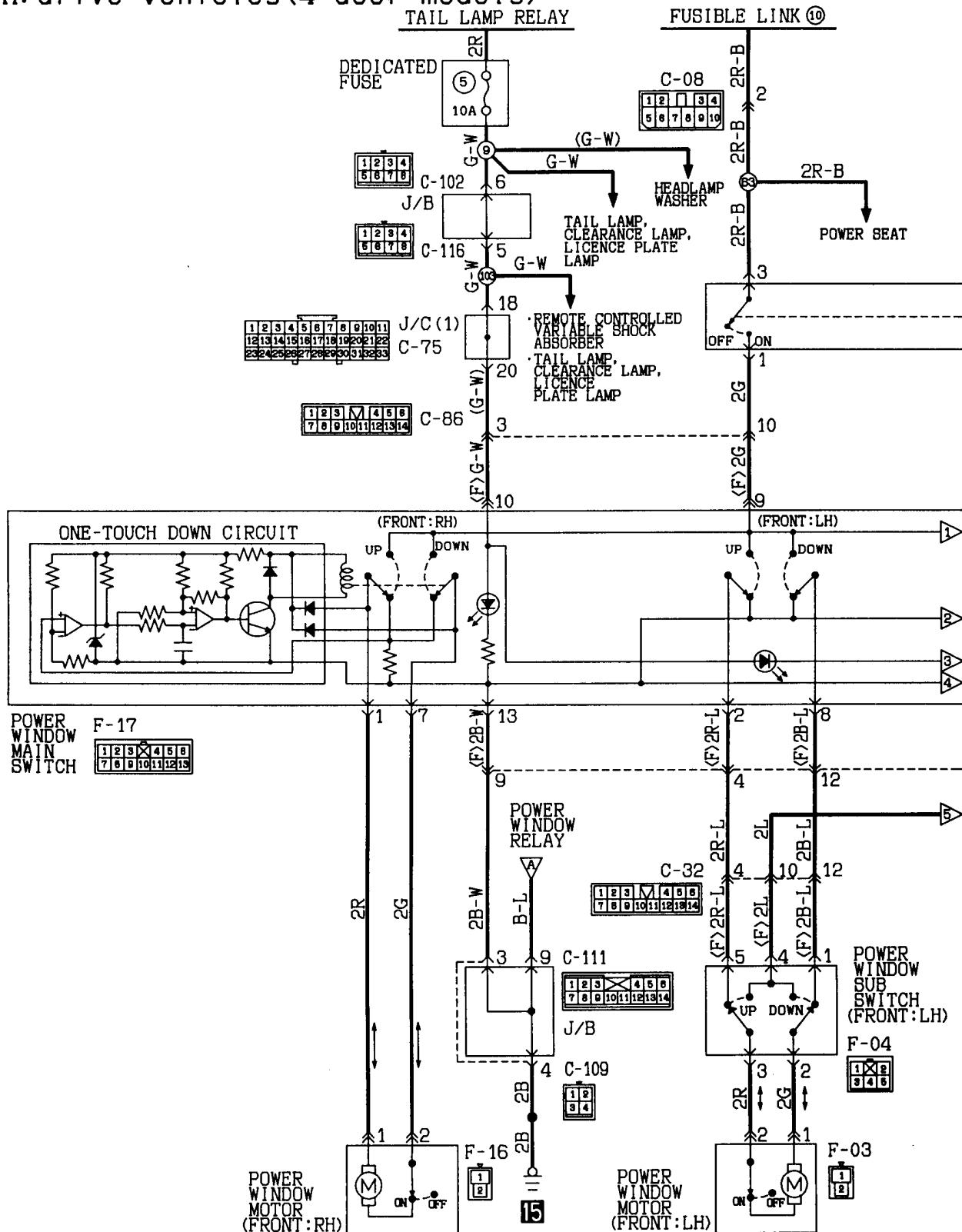
POWER WINDOW

R. H. drive vehicles <2-door models>



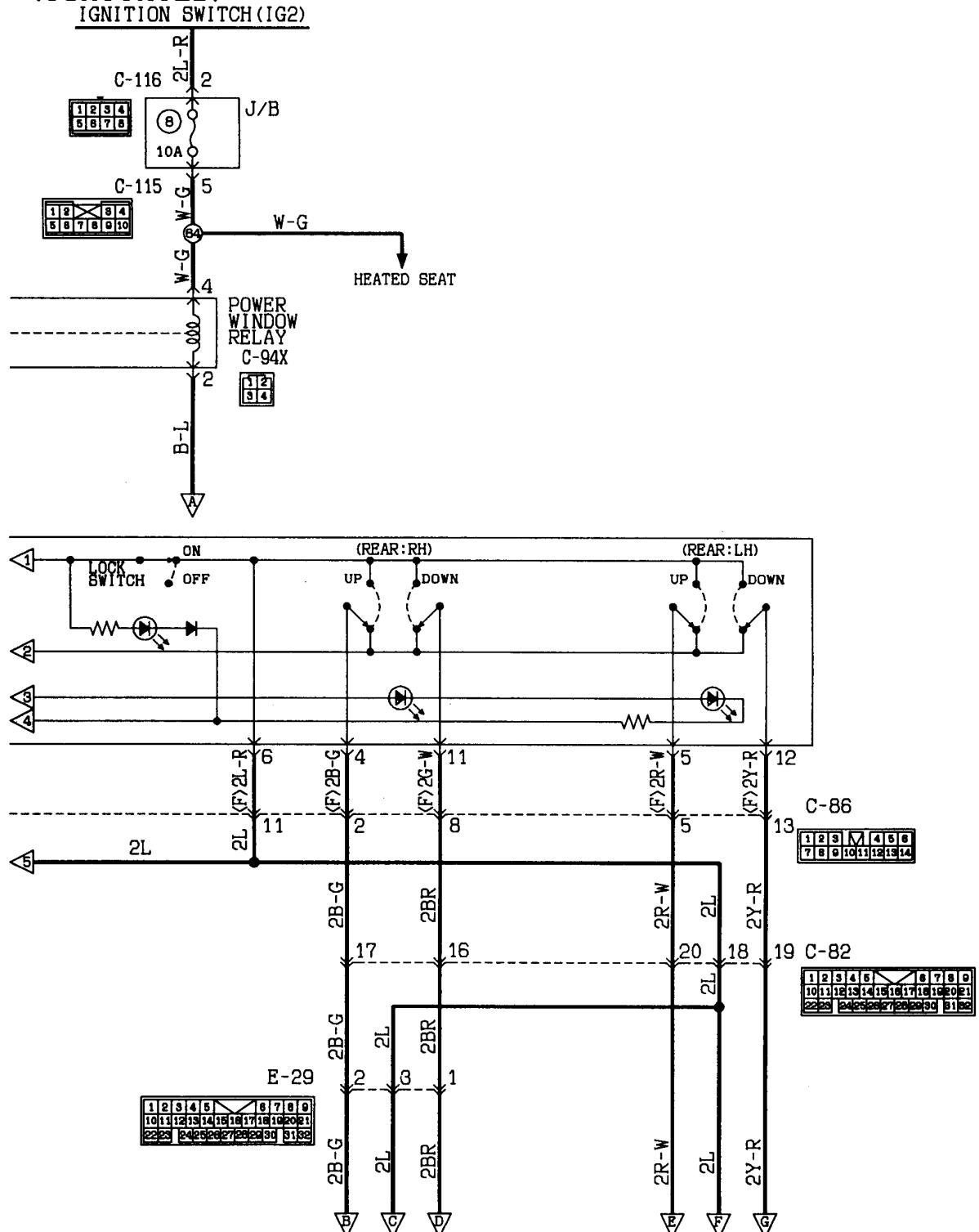
POWER WINDOW

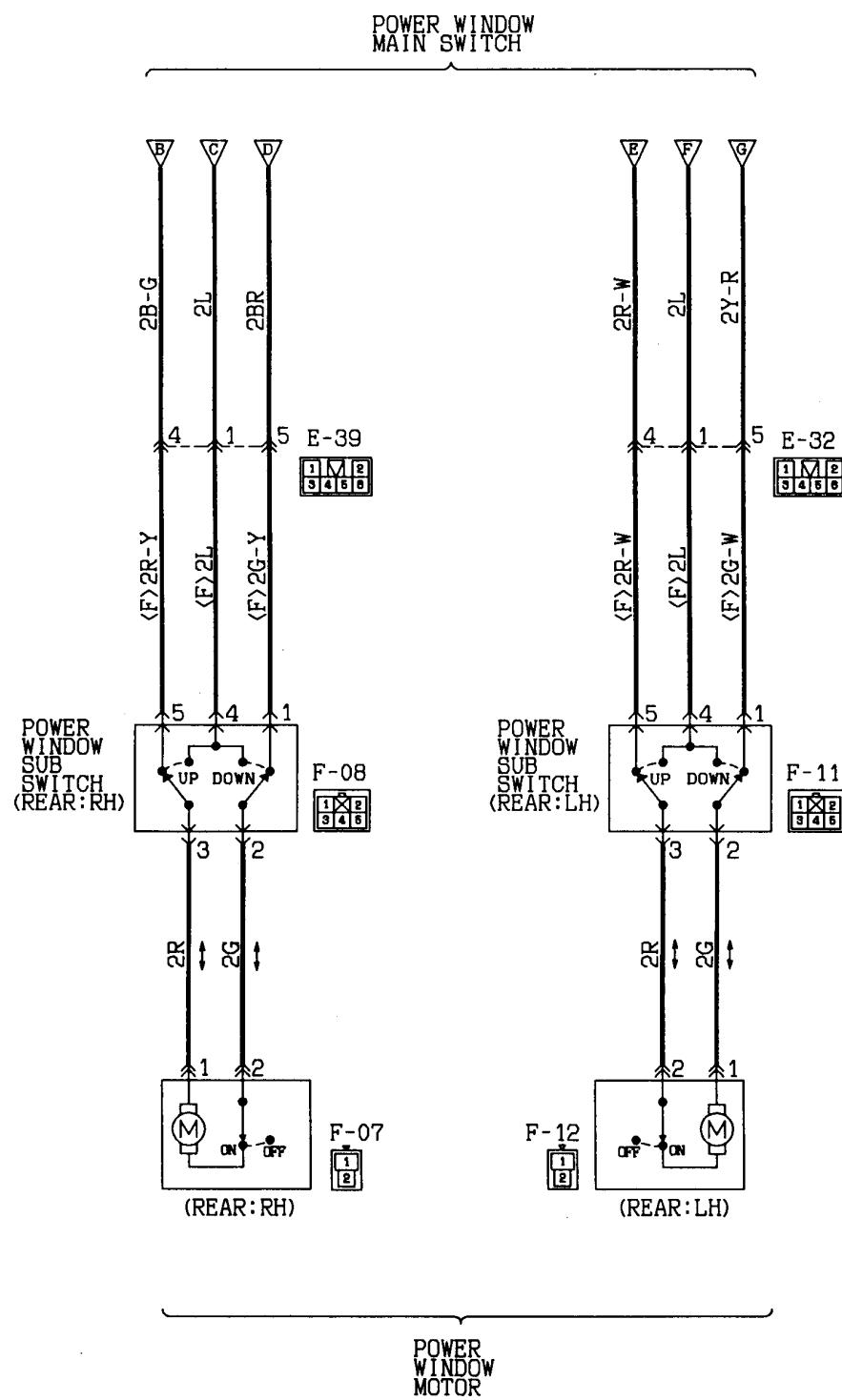
R. H. drive vehicles<4-door models>



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

POWER WINDOW< R. H. drive vehicles (4-door models) >
(CONTINUED)





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

POWER WINDOW (See P. 4A-162, 163, 166, 167.)**OPERATION**

- When the power window (main or sub) switch is depressed (UP or DOWN) with the ignition switch in the ON position, current flows through fusible link No. ⑩ to the power window motor. This energizes the power window motor causing the door window glass to open or close.
- When the DOWN side of the power window main switch (driver's seat side switch) is depressed all the way, it is locked in the depressed position and the power window motor is operated until the door glass is fully opened.
- When the power window lock switch is placed in the LOCK (OFF) position, operating a switch other than the ones for the driver's side and front passenger's side window (main) does not cause the power window motor to be operated.
- The power window motor is provided with a circuit breaker that protects the motor from damage caused by overcurrent.

Reference: Circuit breaker characteristics

Restricts the motor at room temperature [20 to 25°C (68 to 77°F)];

Opens following 4-to-40-sec. initial energization time;

Resets within 60 seconds if left open thereafter.

TROUBLESHOOTING HINTS

1. All door glasses cannot be opened or closed.
 - Check fusible link No. ⑩.
 - Check multi-purpose fuse No. ⑧.
 - Check power window relay.
 - Check power window main switch.
2. Some door glass cannot be opened or closed.
 - 1) Neither power window main nor sub switch is activated.
 - Check power window main switch.
 - Check defective power window motor.
 - 2) Either power window main or sub switch is inoperative.
 - Check inoperative power window switch.
3. One-touch switch function is not operational.
 - Replace power window main switch.

CENTRAL DOOR LOCKING SYSTEM (See P. 4A-172, 174.)**OPERATION****1. Operation with the inside lock knob on the driver's side (including door lock key operation).**

- If the inside lock knob on the driver's side is locked (or unlocked), the switch in the front door lock actuator (driver's side) goes off (or on) and the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

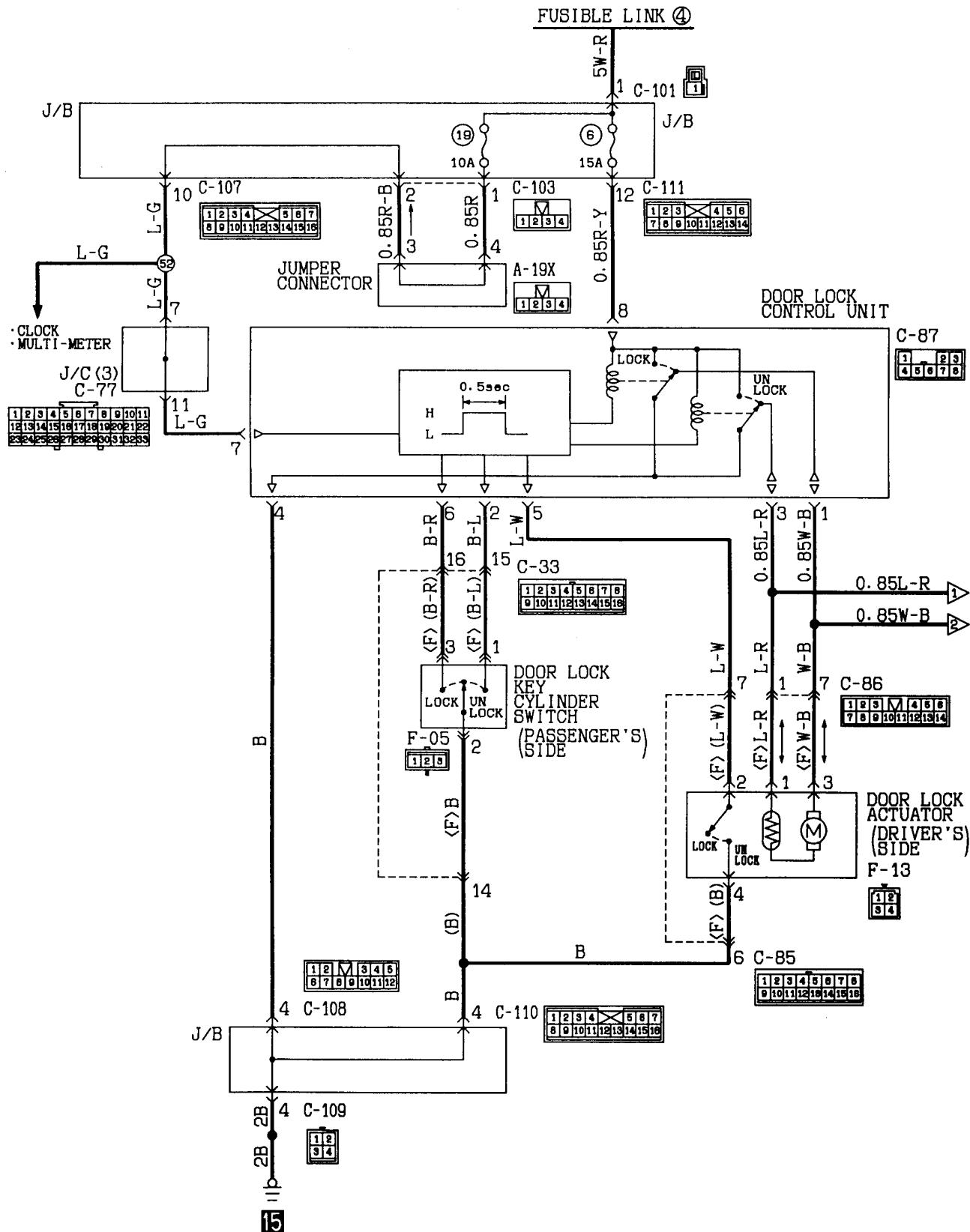
2. Operation with the door lock key.

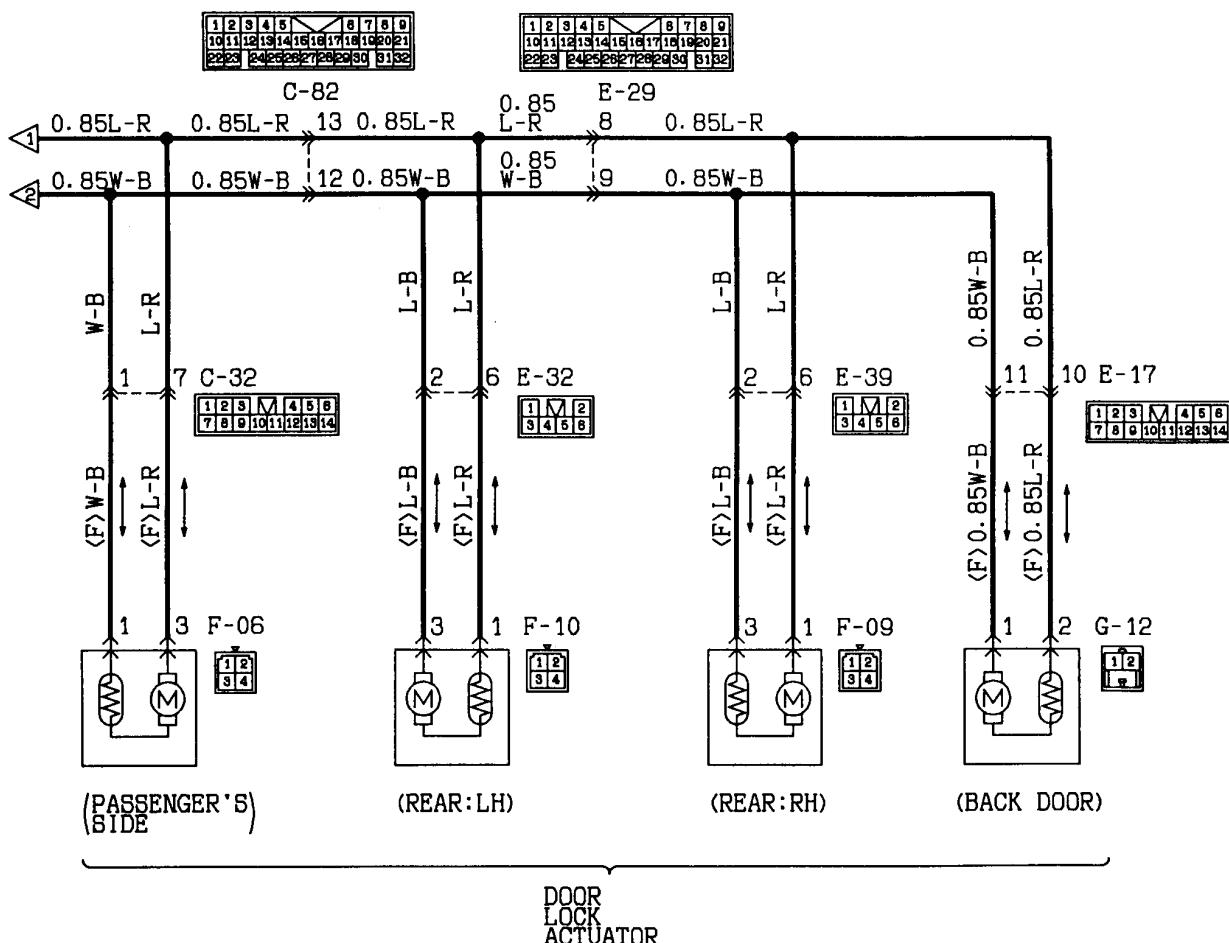
- If the door lock key (passenger's side) is turned to the lock side (or unlock side), the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

TROUBLESHOOTING HINTS

1. Any one of the door lock actuators is inoperative.
 - Check the defective door actuator.
2. Locking (or unlocking) is possible with the door lock key (passenger's side) but locking (or unlocking) is not possible with the inside lock knob on the driver's side (including door lock key operation).
 - Inspect the front door lock actuator (driver's side)
 - Inspect the door lock control unit.
3. Locking (or unlocking) is possible with the inside lock knob (including door lock key operation) on the driver's side but locking (or unlocking) is not possible with the door lock key (passenger's side).
 - Inspect the door lock key cylinder (passenger's side).
 - Inspect the door lock control unit.

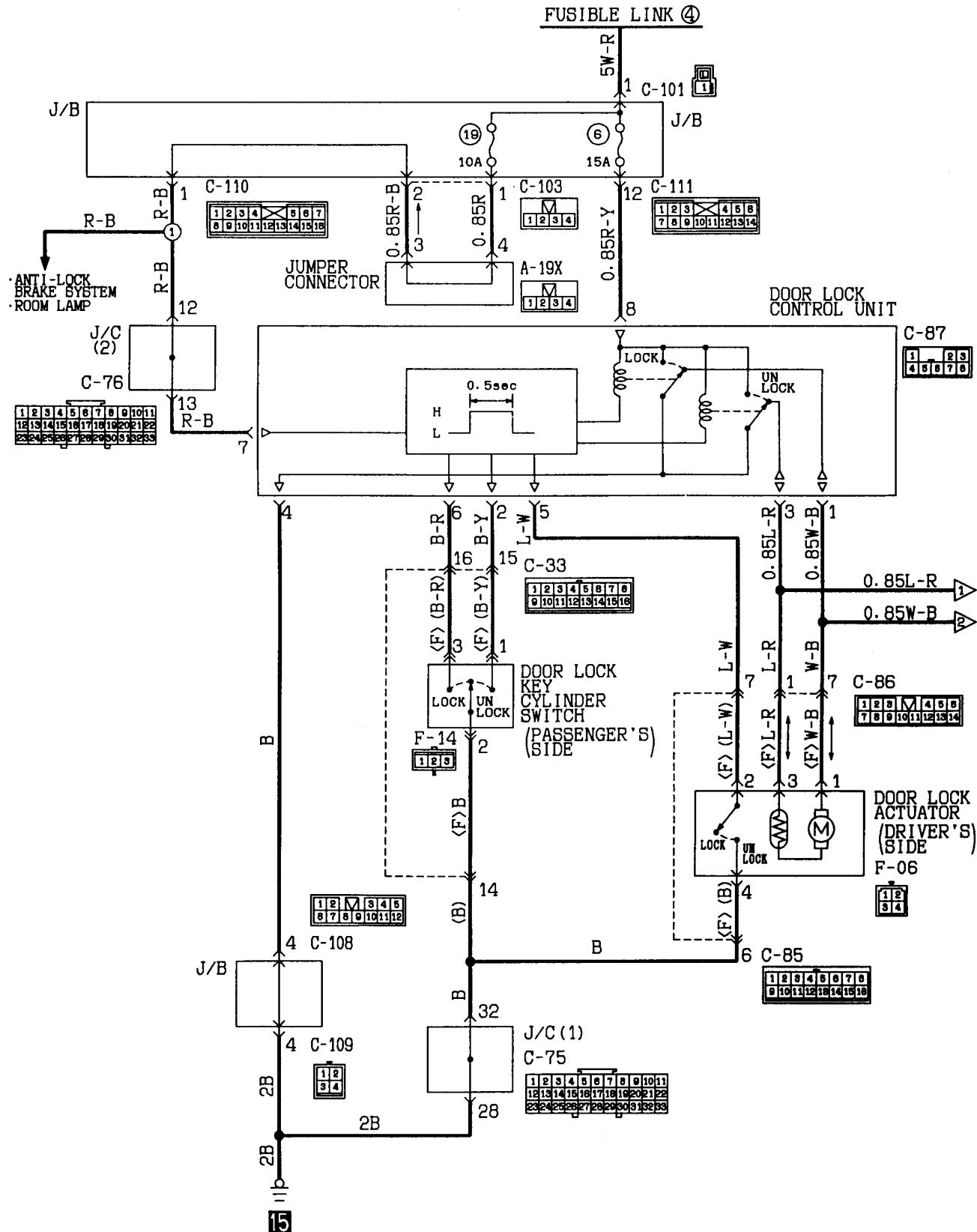
CENTRAL DOOR LOCKING SYSTEM L. H. drive vehicles

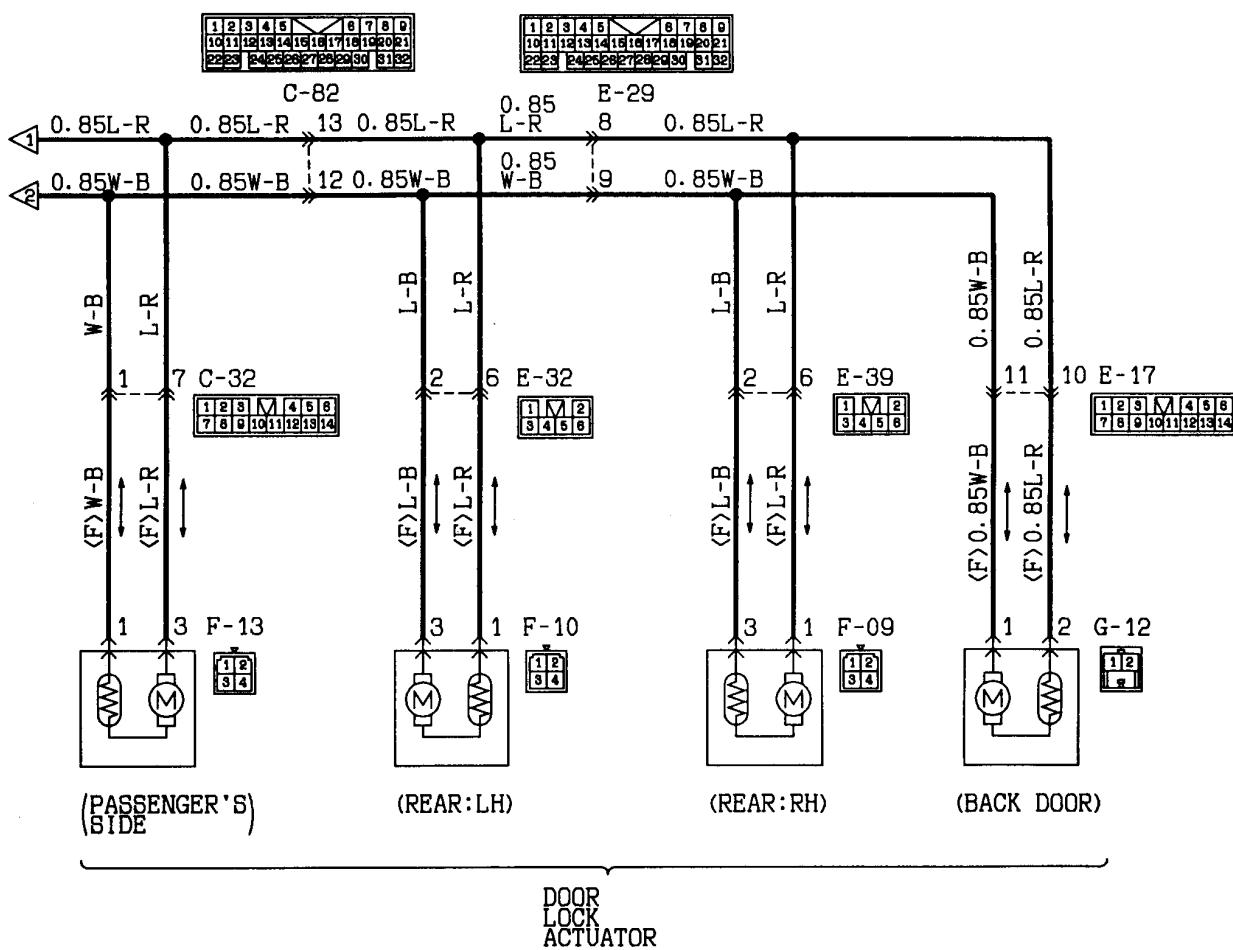




CENTRAL DOOR LOCKING SYSTEM

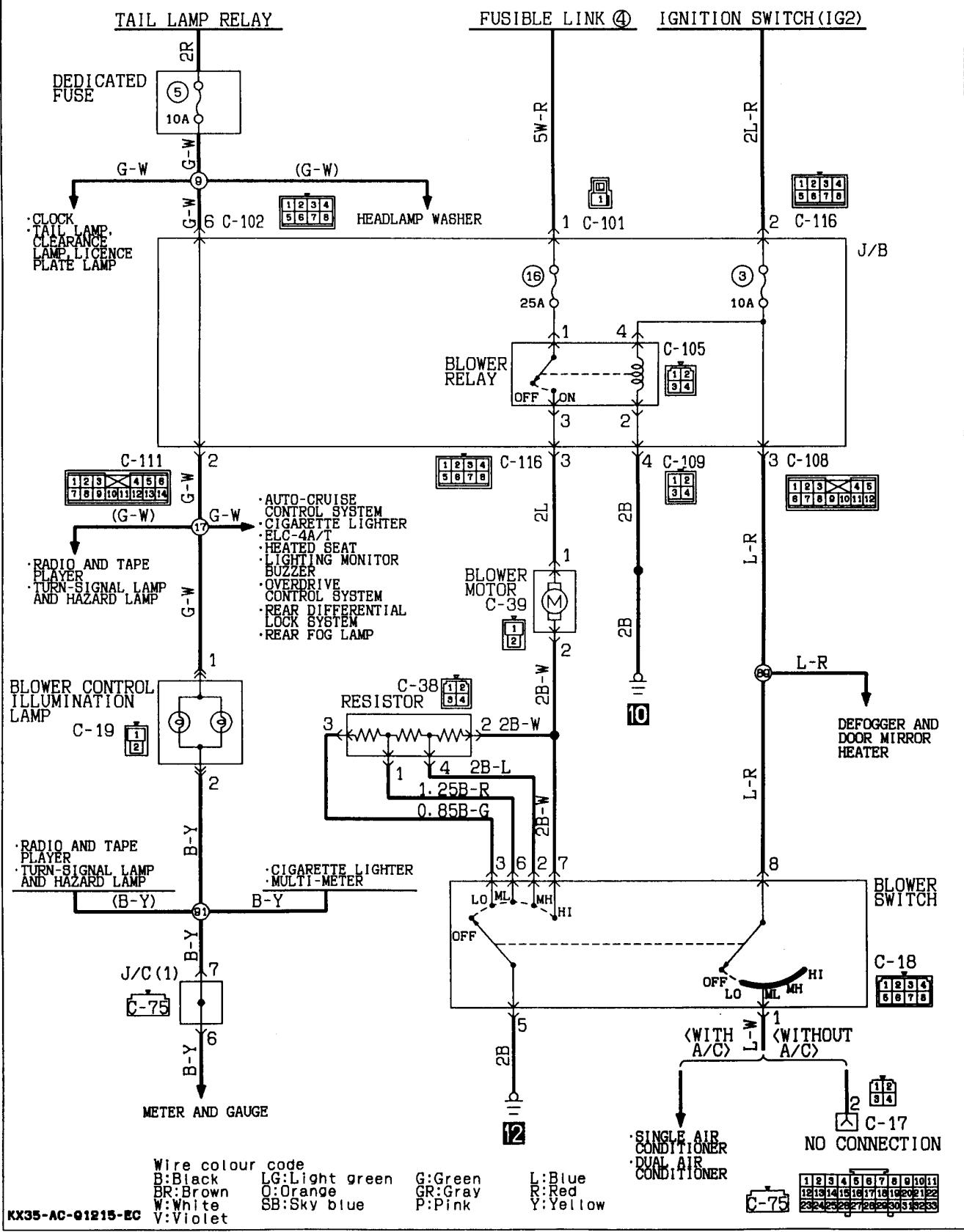
R. H. drive vehicles





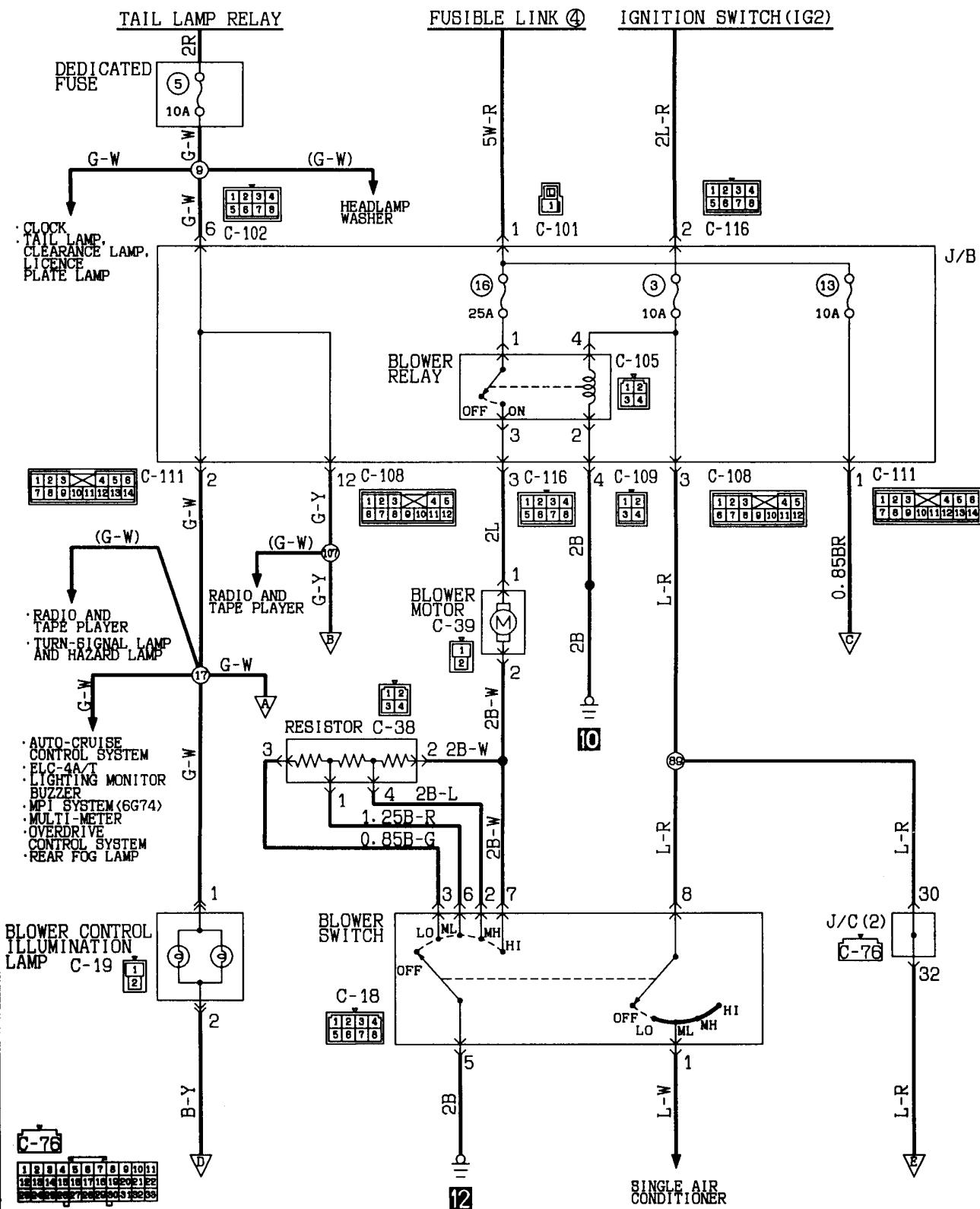
HEATER

L.H. drive vehicles without rear heater

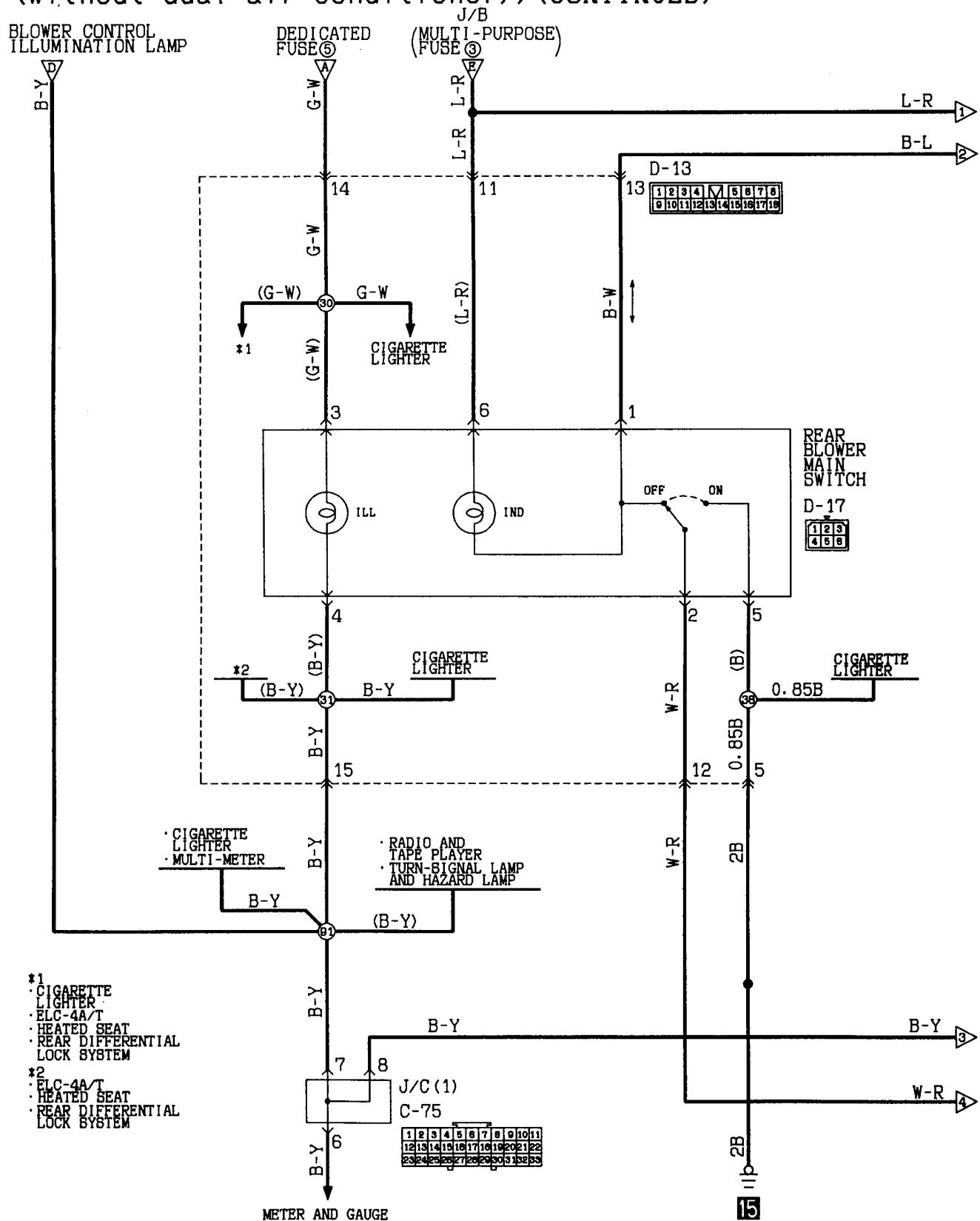


HEATER

L. H. drive vehicles with rear heater<without dual air conditioner>

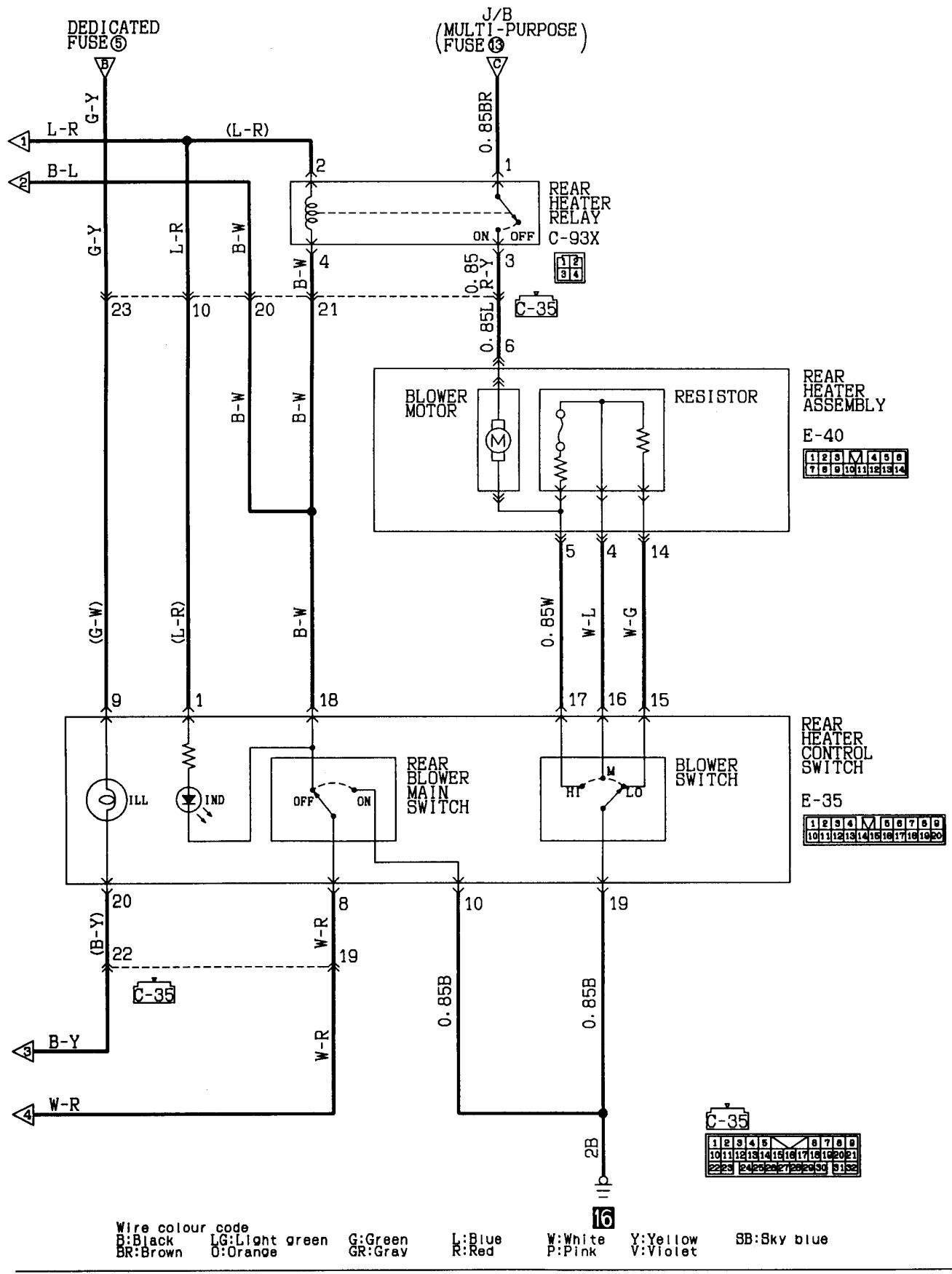


**HEATER<L. H. drive vehicles with rear heater
(without dual air conditioner)> (CONTINUED)**



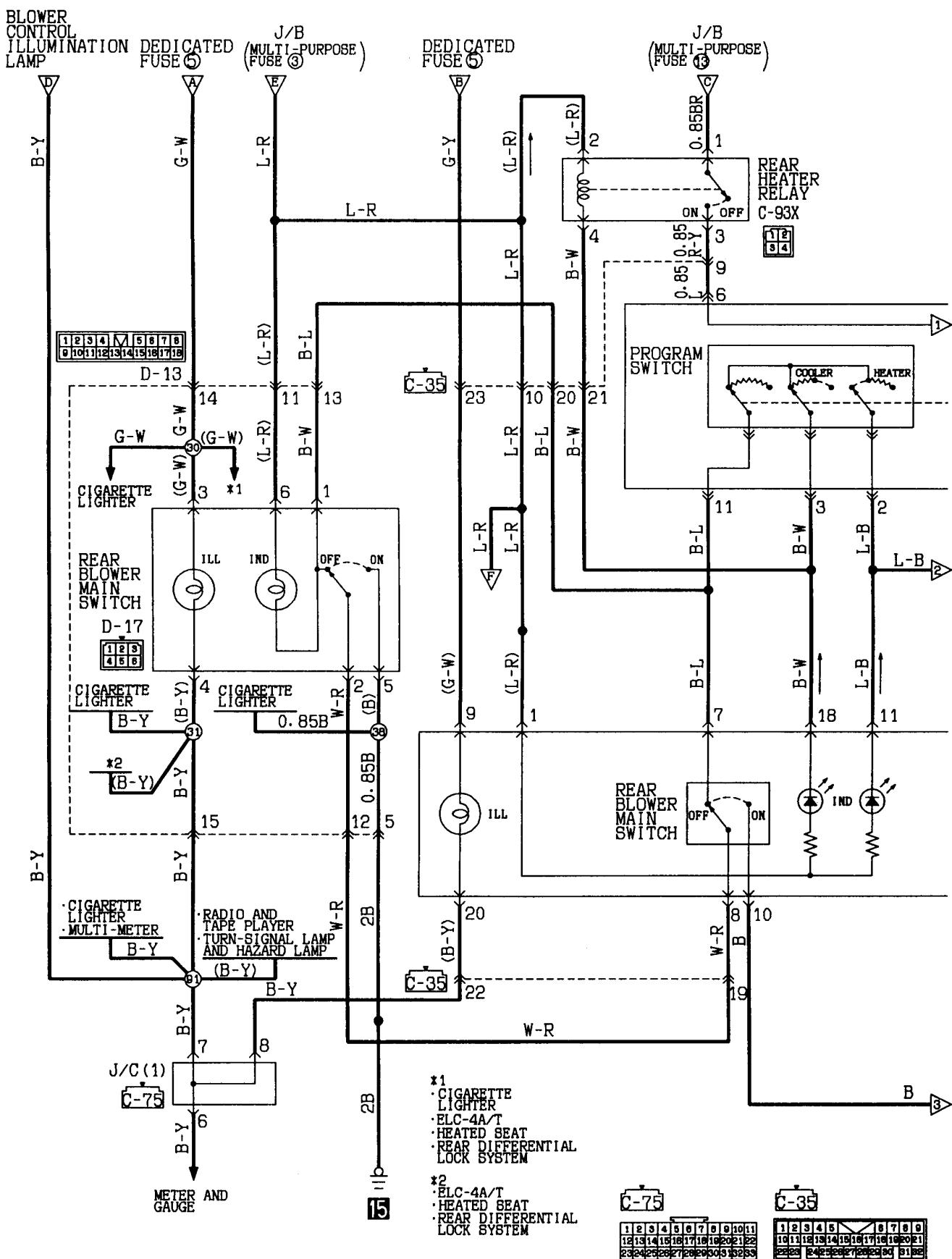
- *1 CIGARETTE LIGHTER
- ELC-4A/T
- HEATED SEAT
- REAR DIFFERENTIAL LOCK SYSTEM

- *2
 - ELC-4A/T
 - HEATED SEAT
 - REAR DIFFERENTIAL LOCK SYSTEM



CIRCUIT DIAGRAM

4A-181



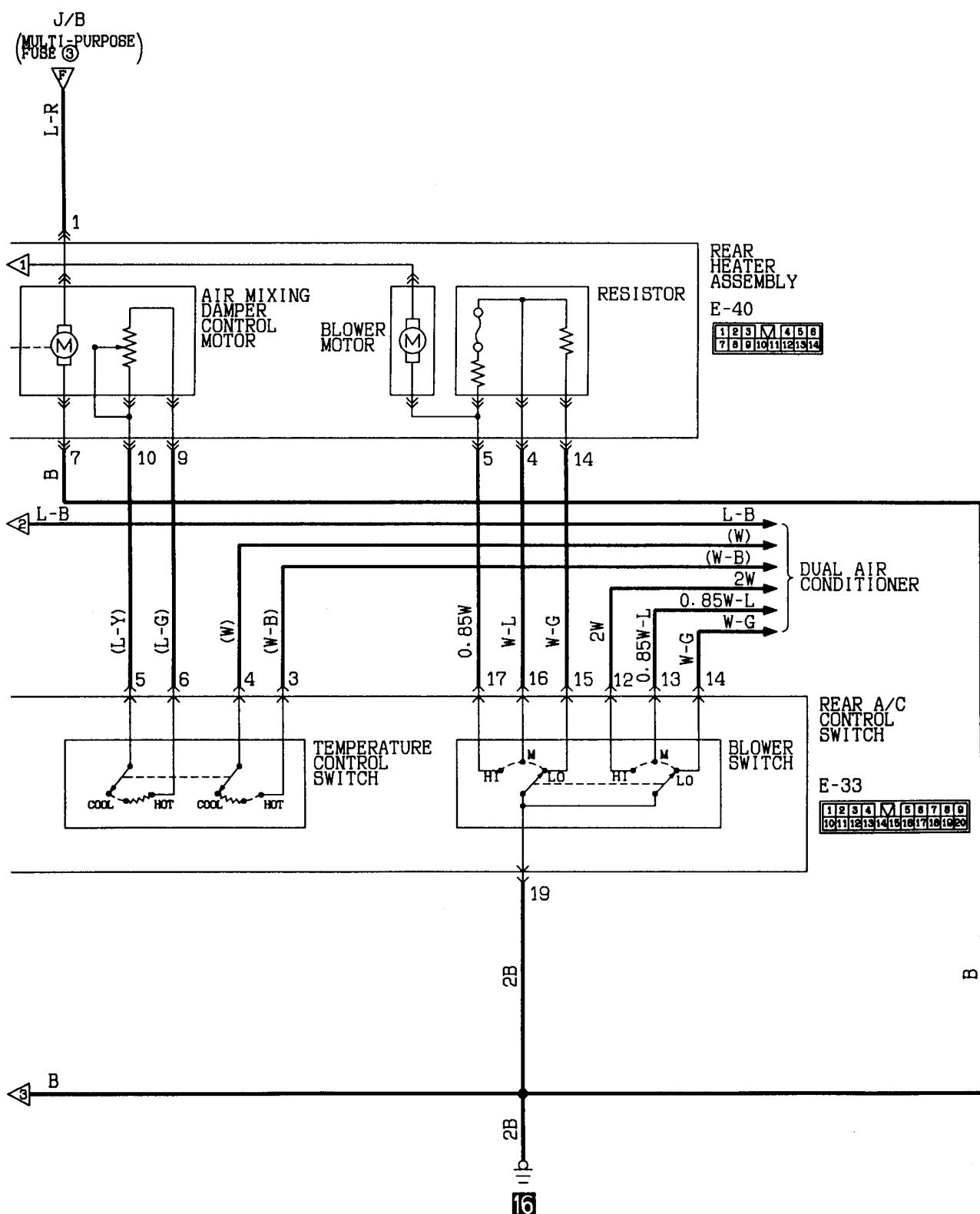
KX35-AC-Q122BA-EC

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PHJE9026-C

ADDED

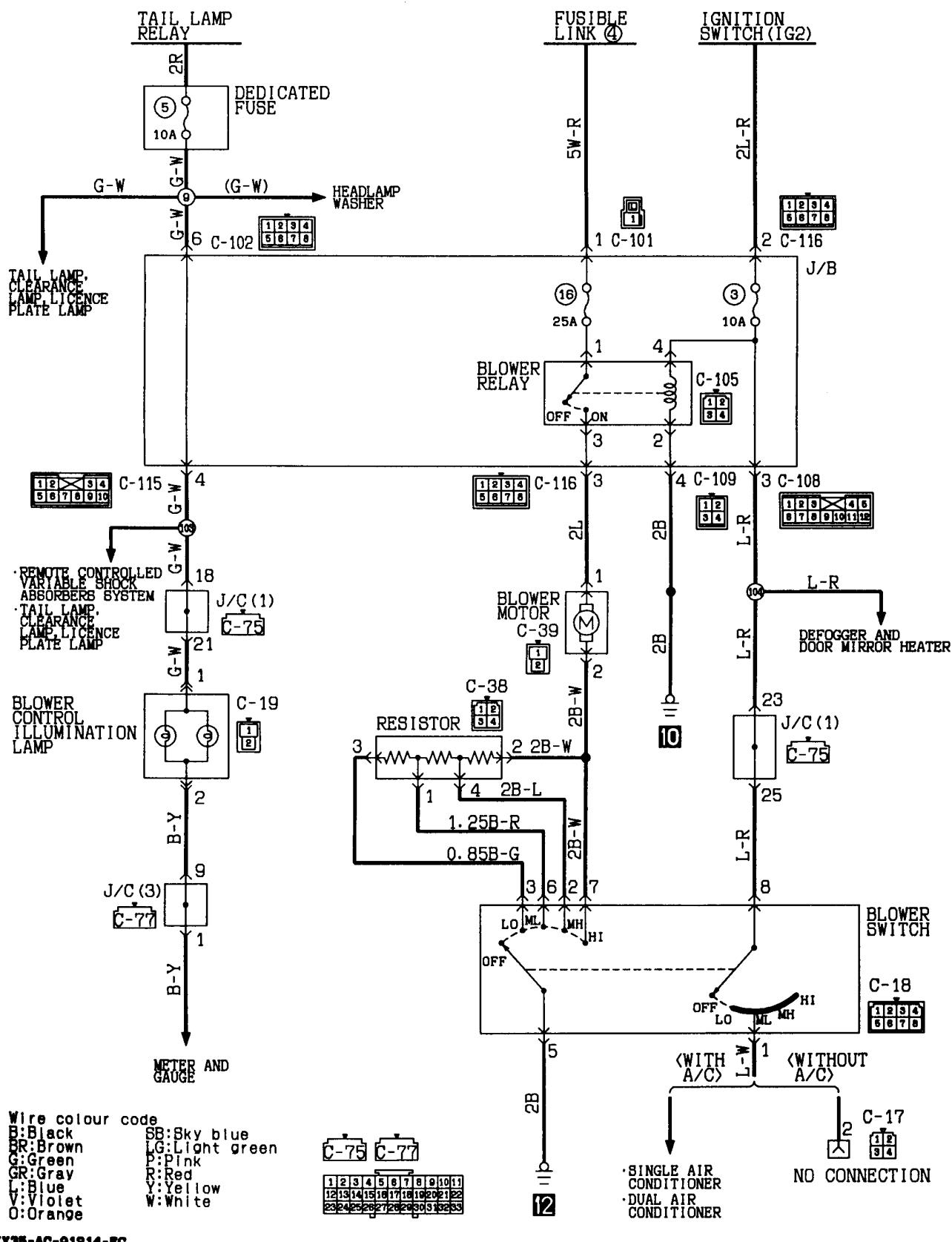
HEATER <L. H. drive vehicles with rear heater
(with dual air conditioner)> (CONTINUED)



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

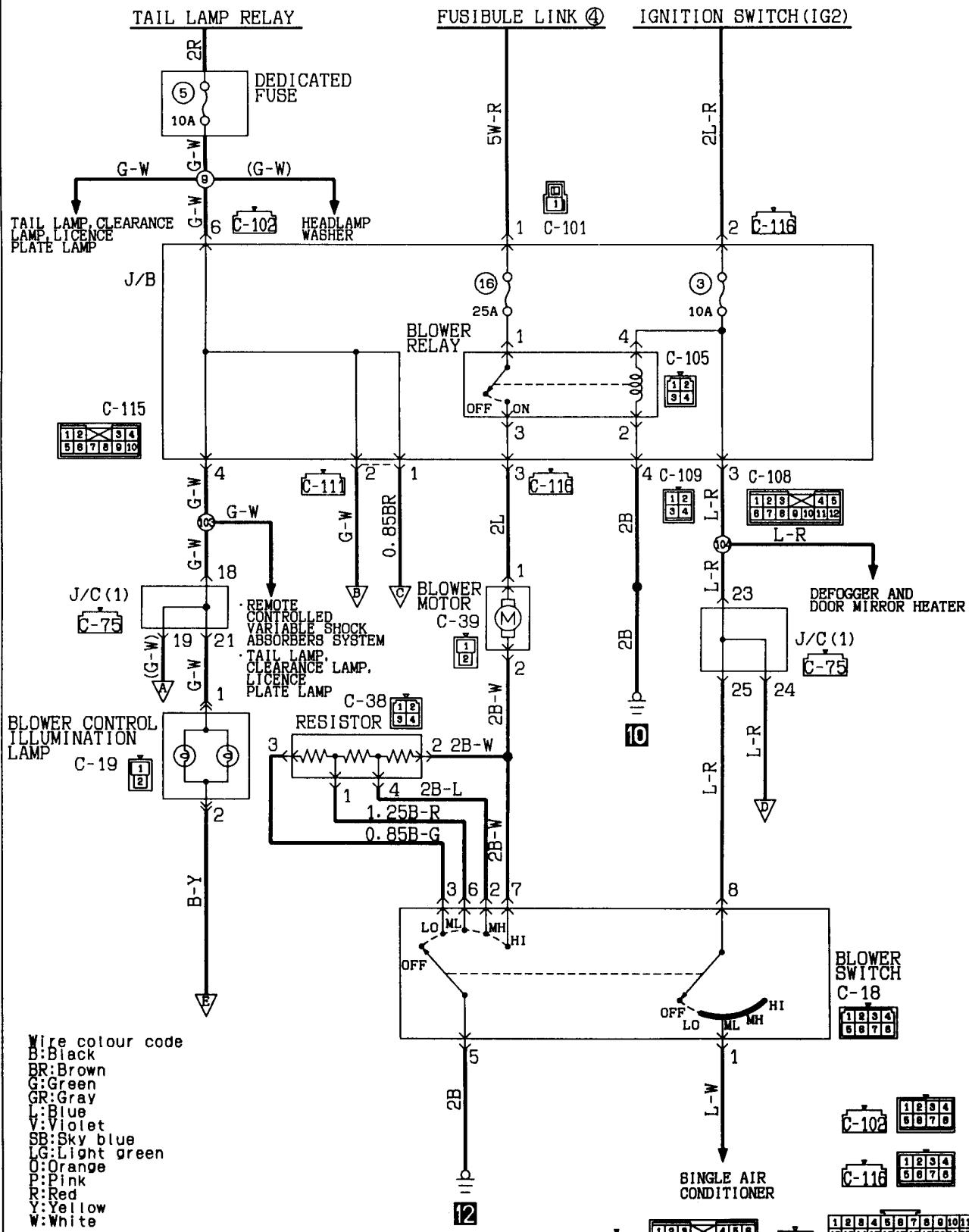
HEATER

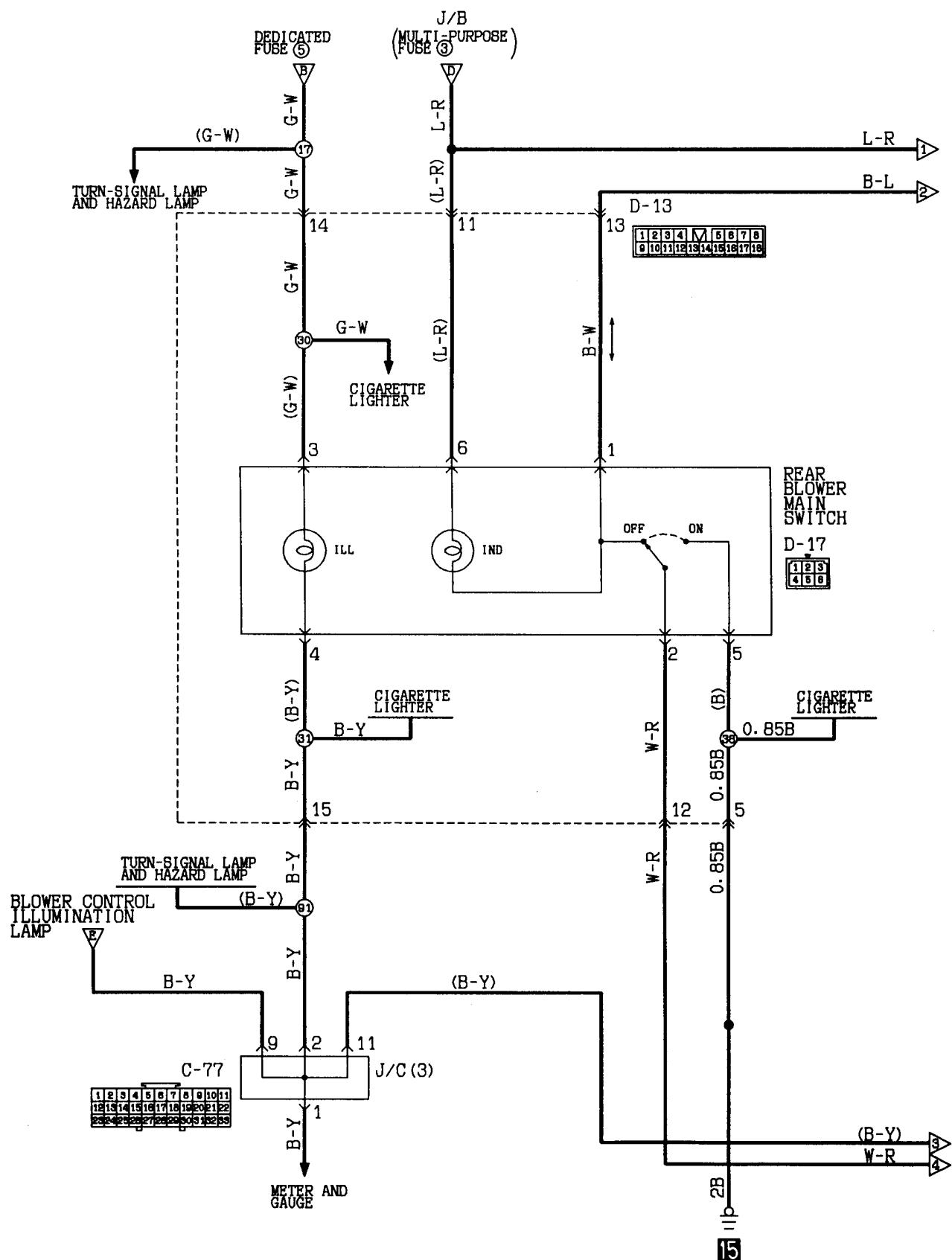
R. H. drive vehicles without rear heater



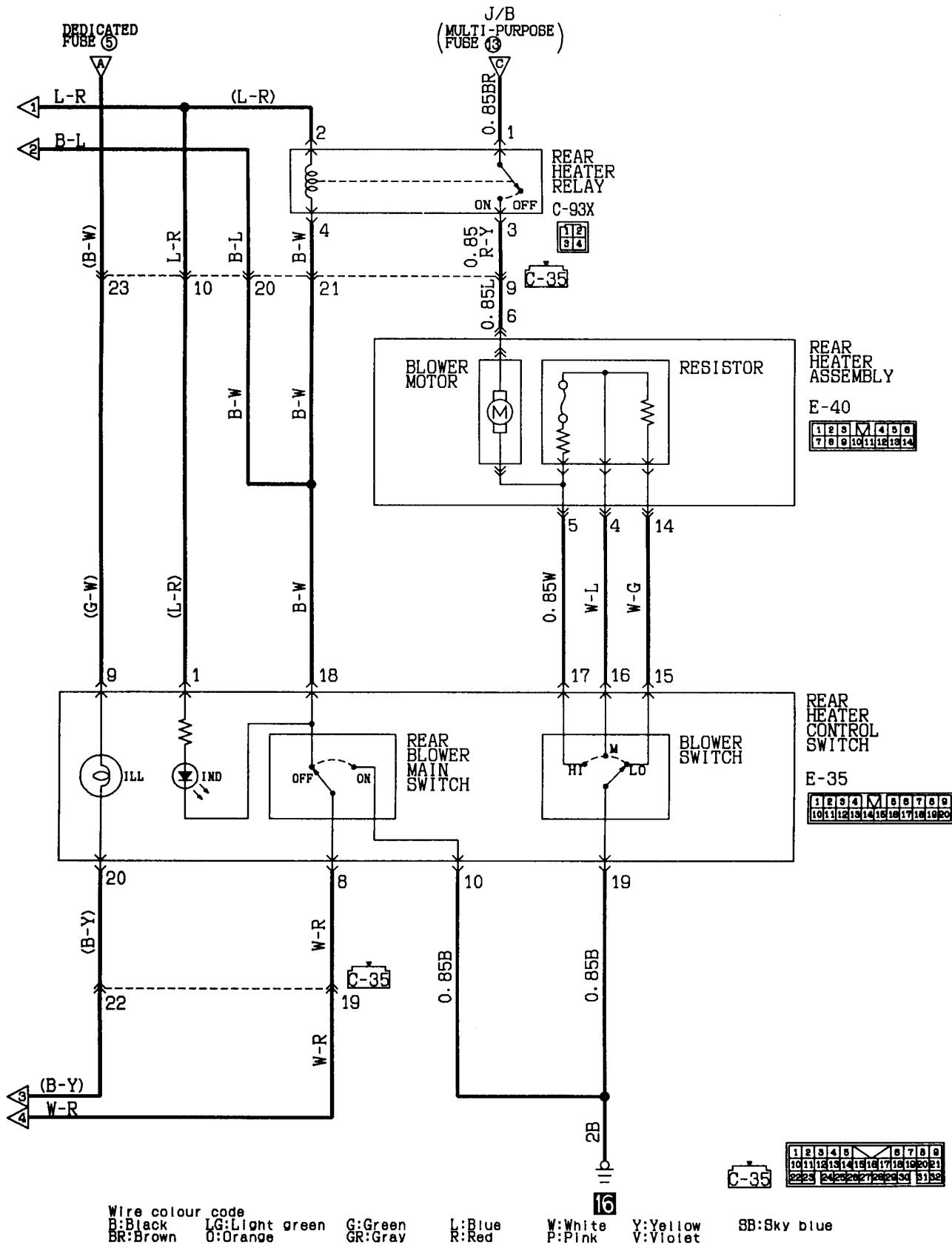
HEATER

R. H. drive vehicles with rear heater <without dual air conditioner>



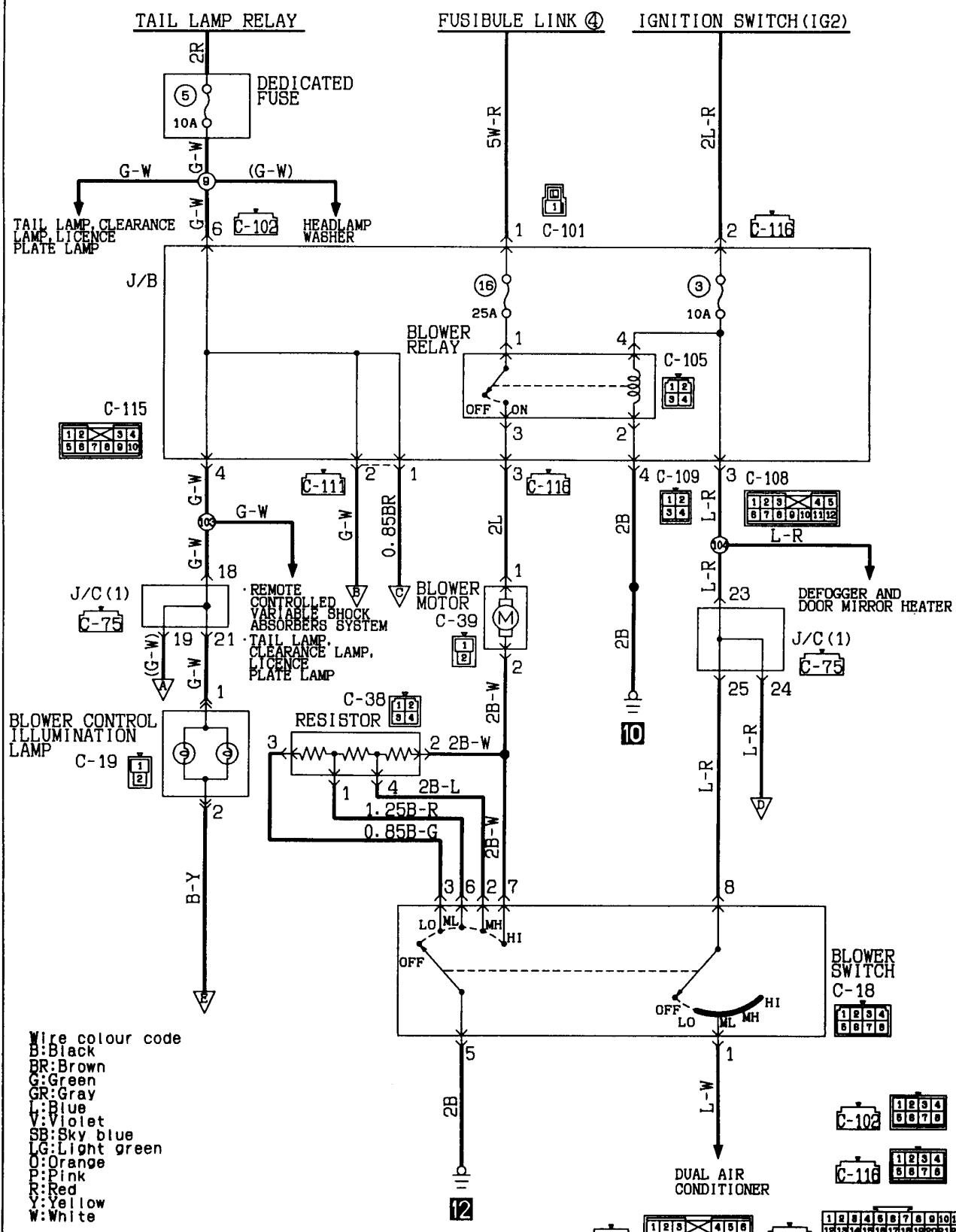


**HEATER<R. H. drive vehicles with rear heater
(without dual air conditioner)> (CONTINUED)**

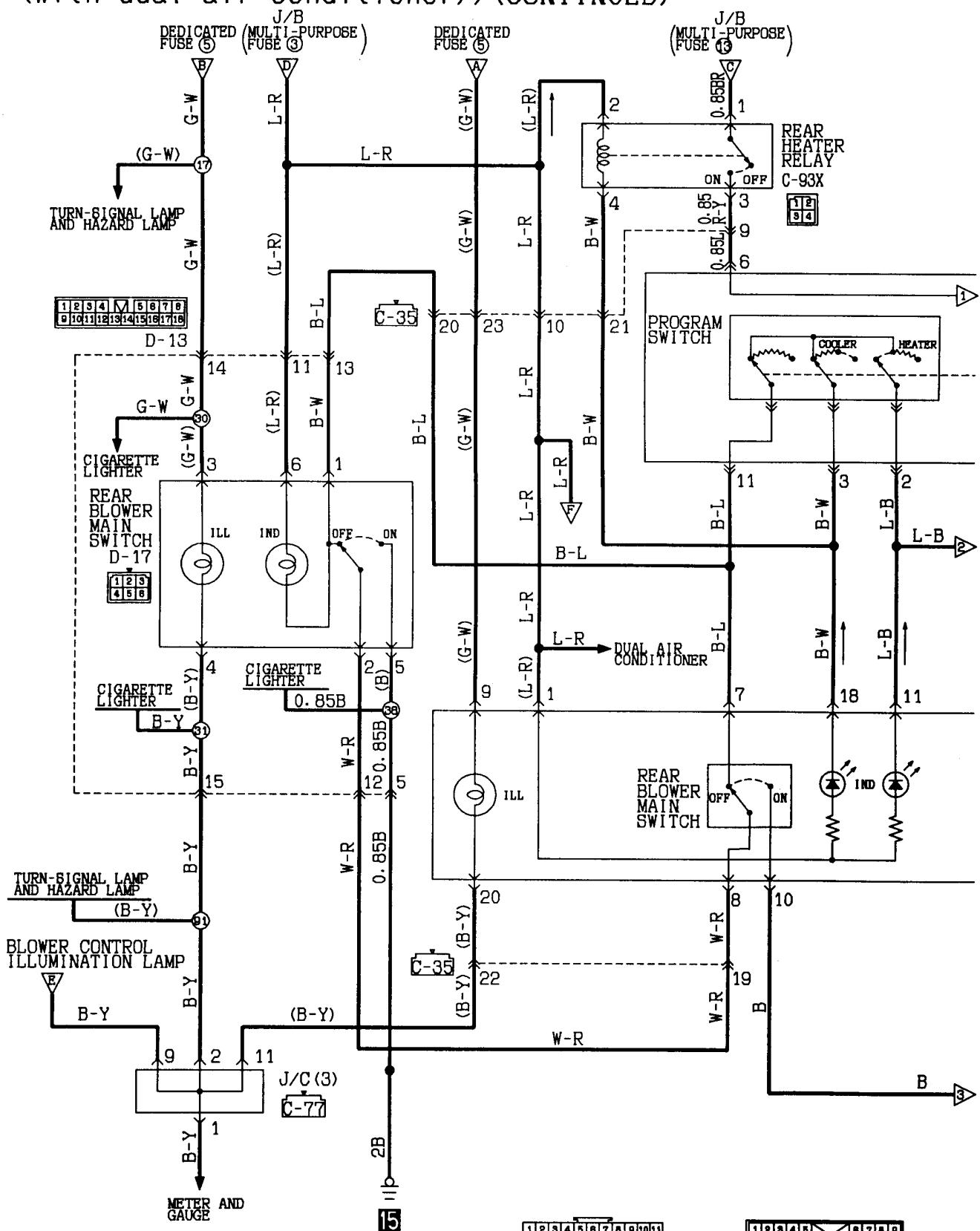


HEATER

R. H. drive vehicles with rear heater <with dual air conditioner>



**HEATER<R. H. drive vehicles with rear heater
(with dual air conditioner)> (CONTINUED)**



KX35-AC-01229A-EC

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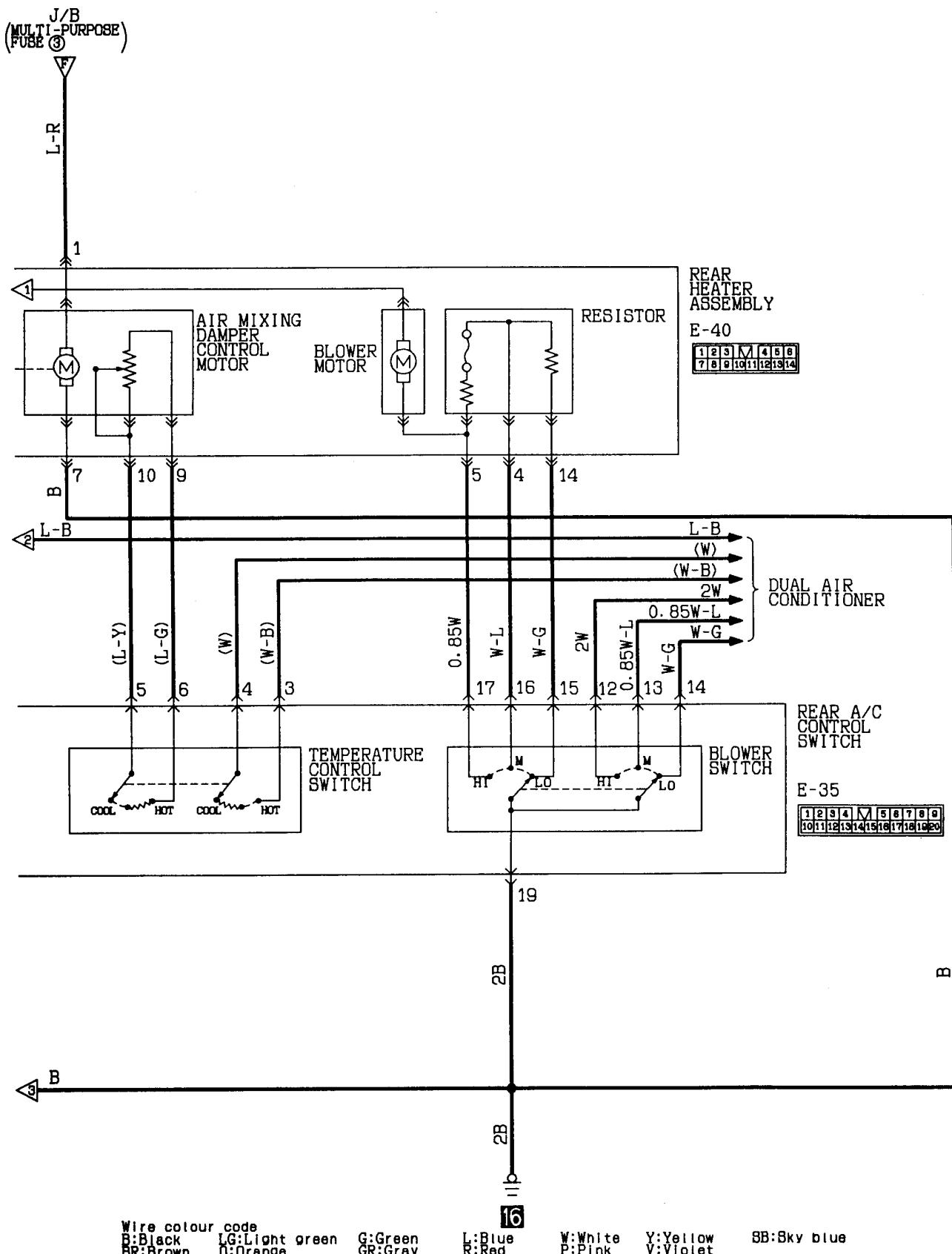
C-77

PHJE9026-C

C-35

C-35

ADDED



HEATER (See P. 4A-176, 177, 180, 183, 184, 187.)**OPERATION****<Front heater operation>**

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

<Rear heater operation>

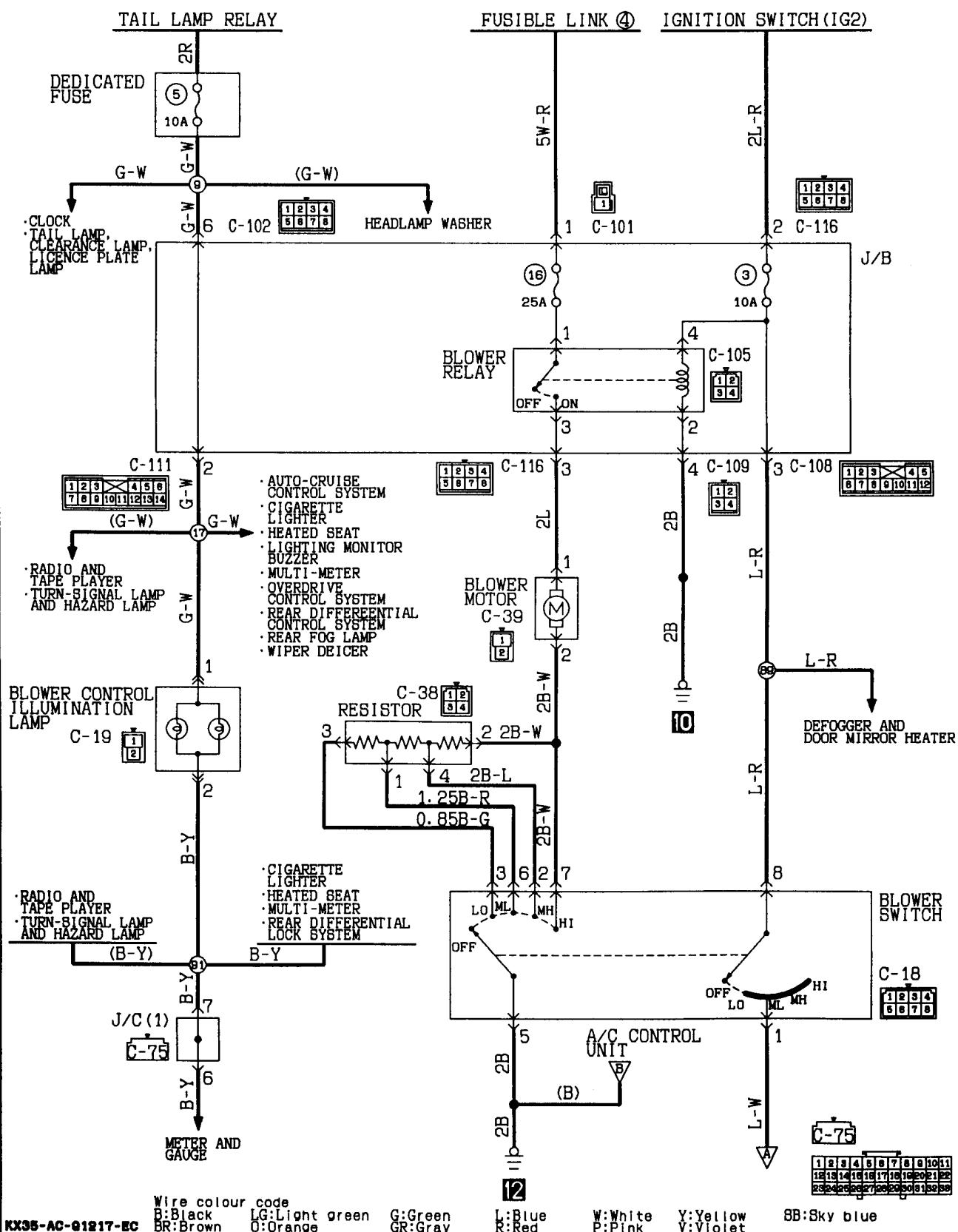
- When the ignition switch is in the ON position and the rear heater control switch is turned to ON, the rear heater relay turns ON and the blower motor is activated via the resistor at a speed corresponding to the blower switch position (LO, M, HI).

TROUBLESHOOTING HINTS

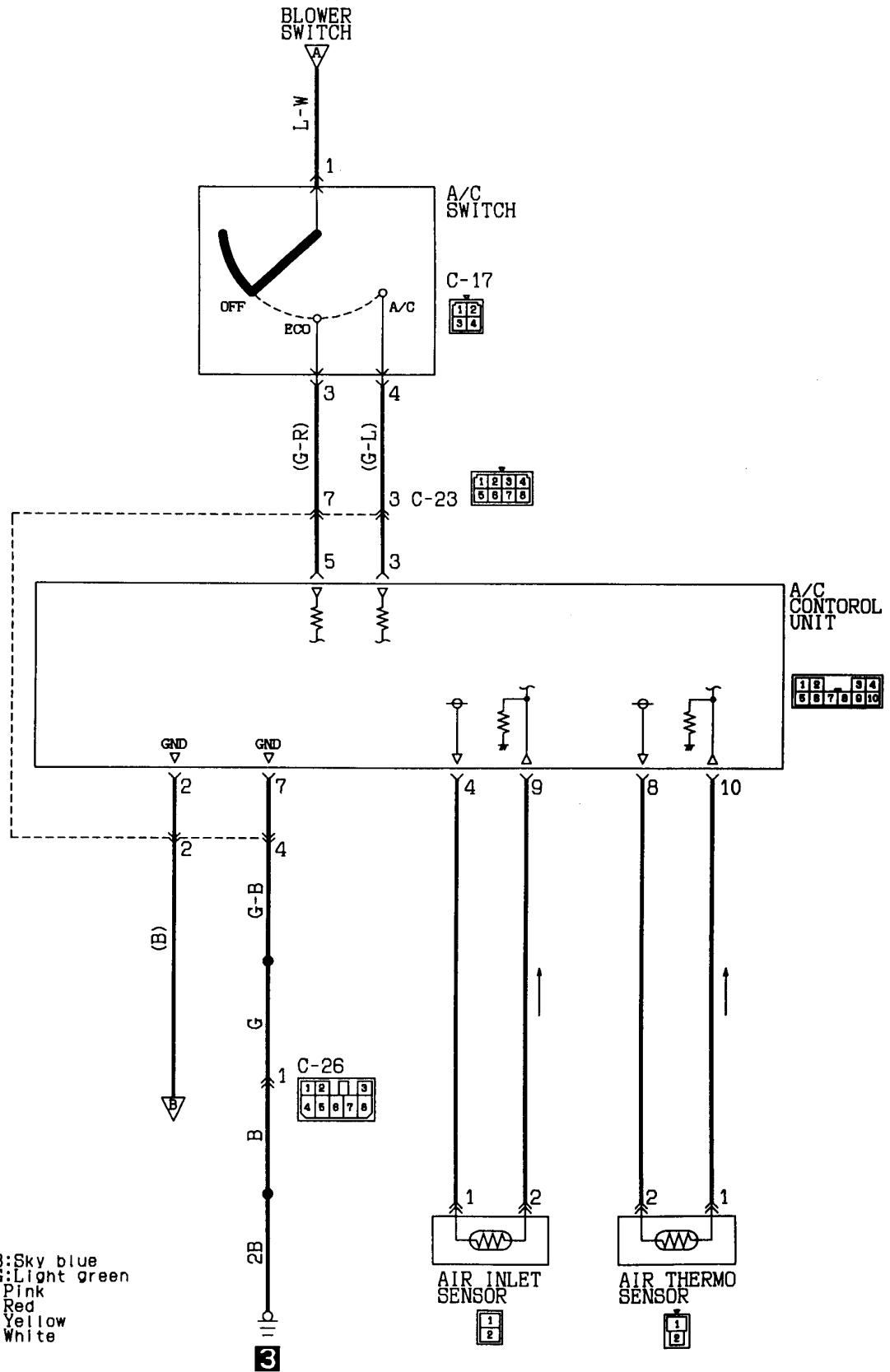
1. Blower motor is energized at one switch position and not energized at another.
 - Check harness and connectors between defective switch position and resistor (or blower motor in HI position).
2. Blower motor is energized only when switch is positioned in HI.
 - Check resistor.
3. Blower motor speed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

SINGLE AIR CONDITIONER

L.H. drive vehicles<4G64, 6G72 engine>

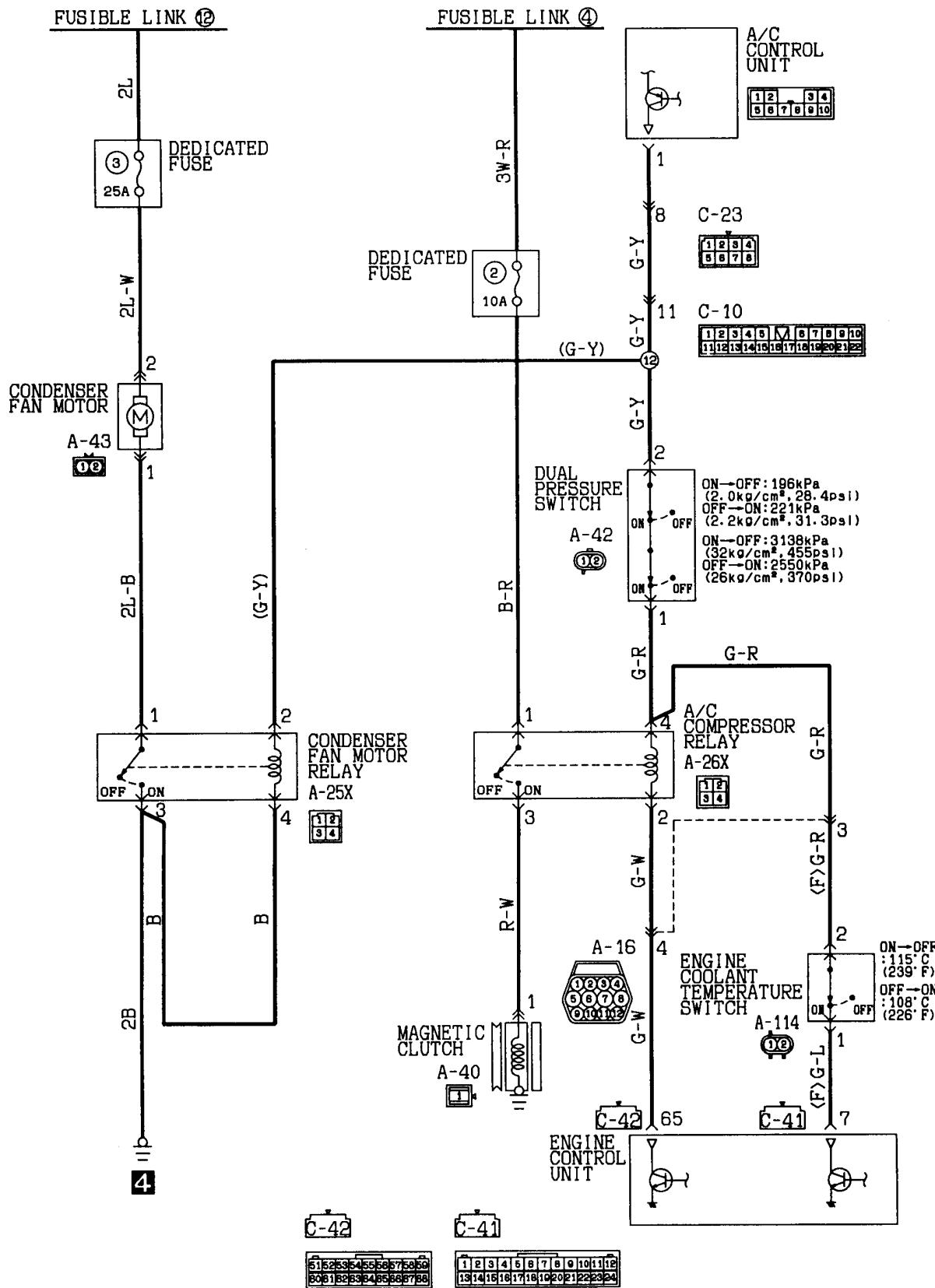


SINGLE AIR CONDITIONER
< L.H. drive vehicles (4G64, 6G72 engine) > (CONTINUED)

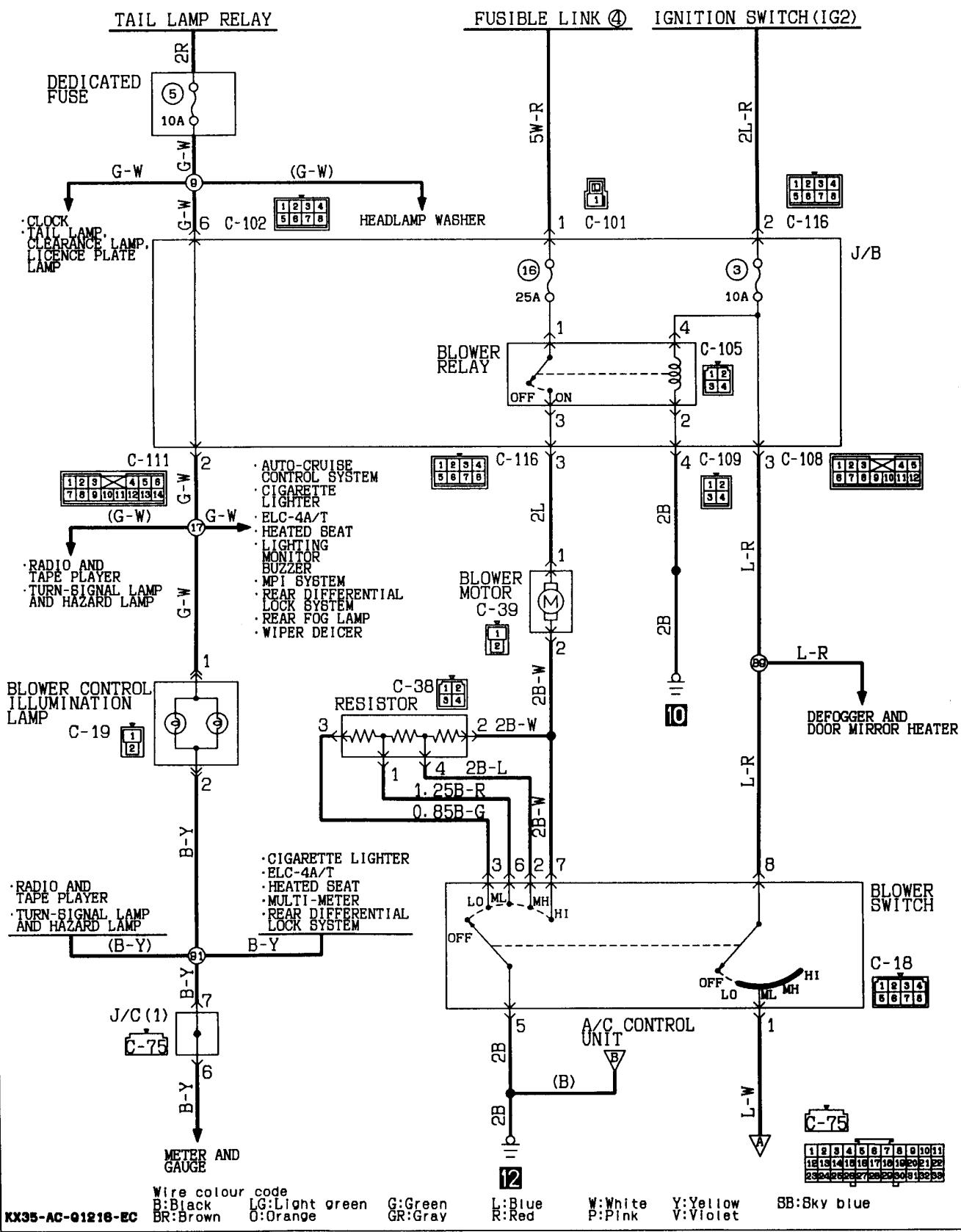


Wire colour code
 B:Black SB:Sky blue
 BR:Brown LG:Light green
 G:Green P:Pink
 GR:Gray R:Red
 L:Blue Y:Yellow
 V:Violet W:White
 O:Orange

KX35-AC-Q1217A-EC



SINGLE AIR CONDITIONER
L.H. drive vehicles (6G74 engine)



Wire colour code

B:Black LG:Light

BR:Brown O:Oral

Annotation Dec 1993

ht green G:Green

GR:Gray

[View Details](#)

L:Blue

R:Red

IE0036.C

W:White
B:Black

P:Pink

— 1 —

Y:Yellow

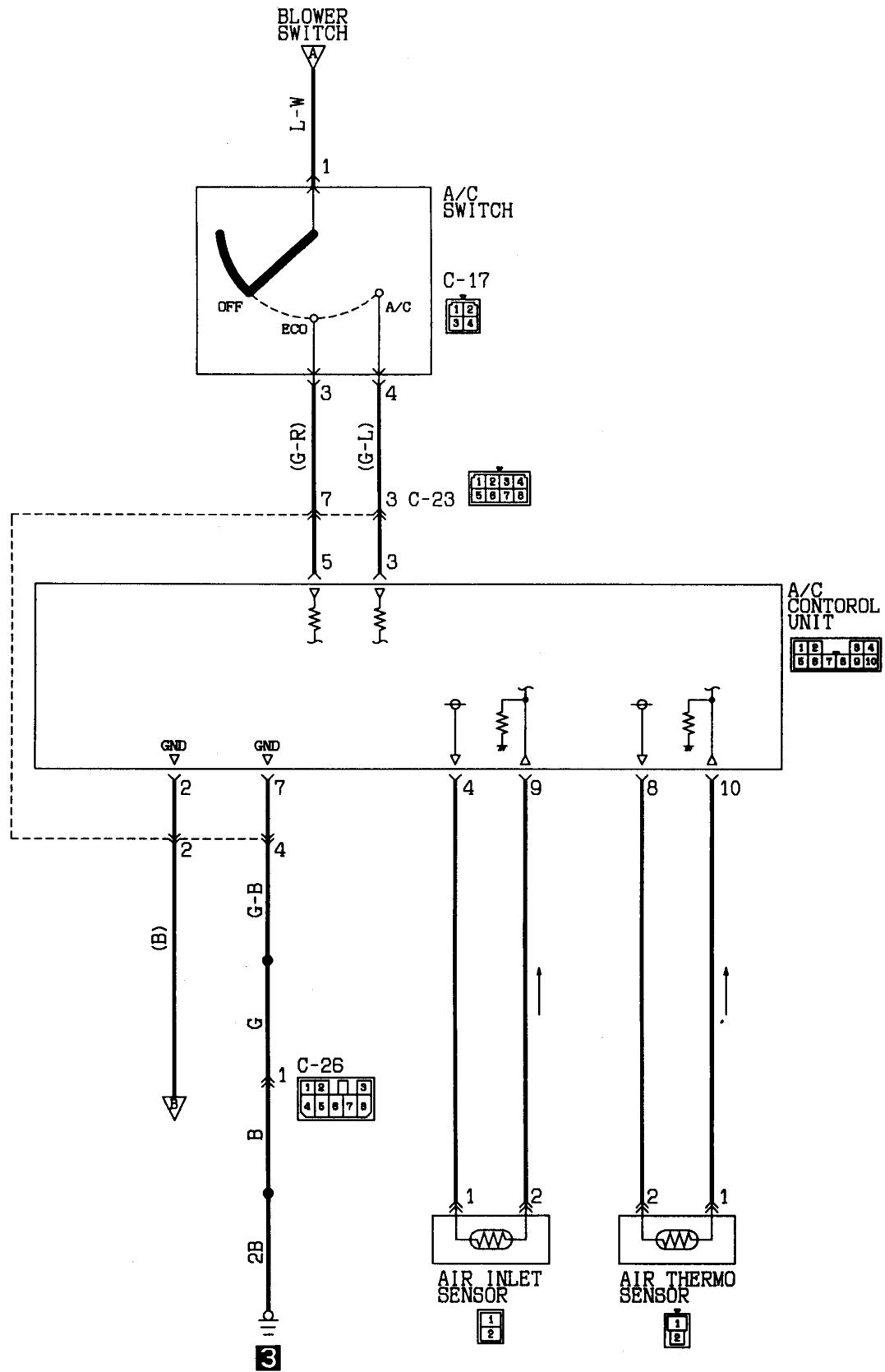
V:Violet

— 1 —

BB:Sky blue

22 ENRY

— 1 —



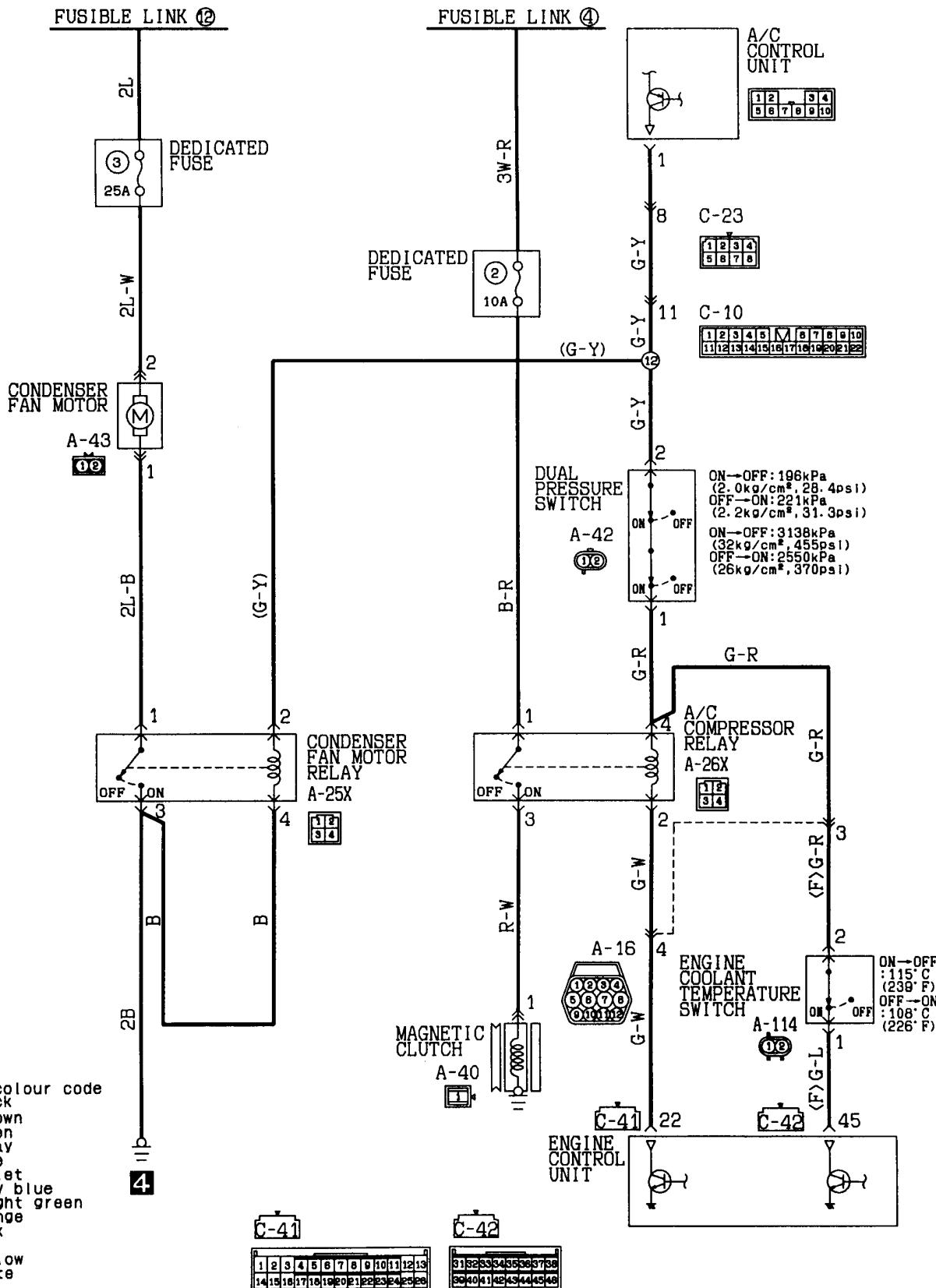
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PHJE9026-C

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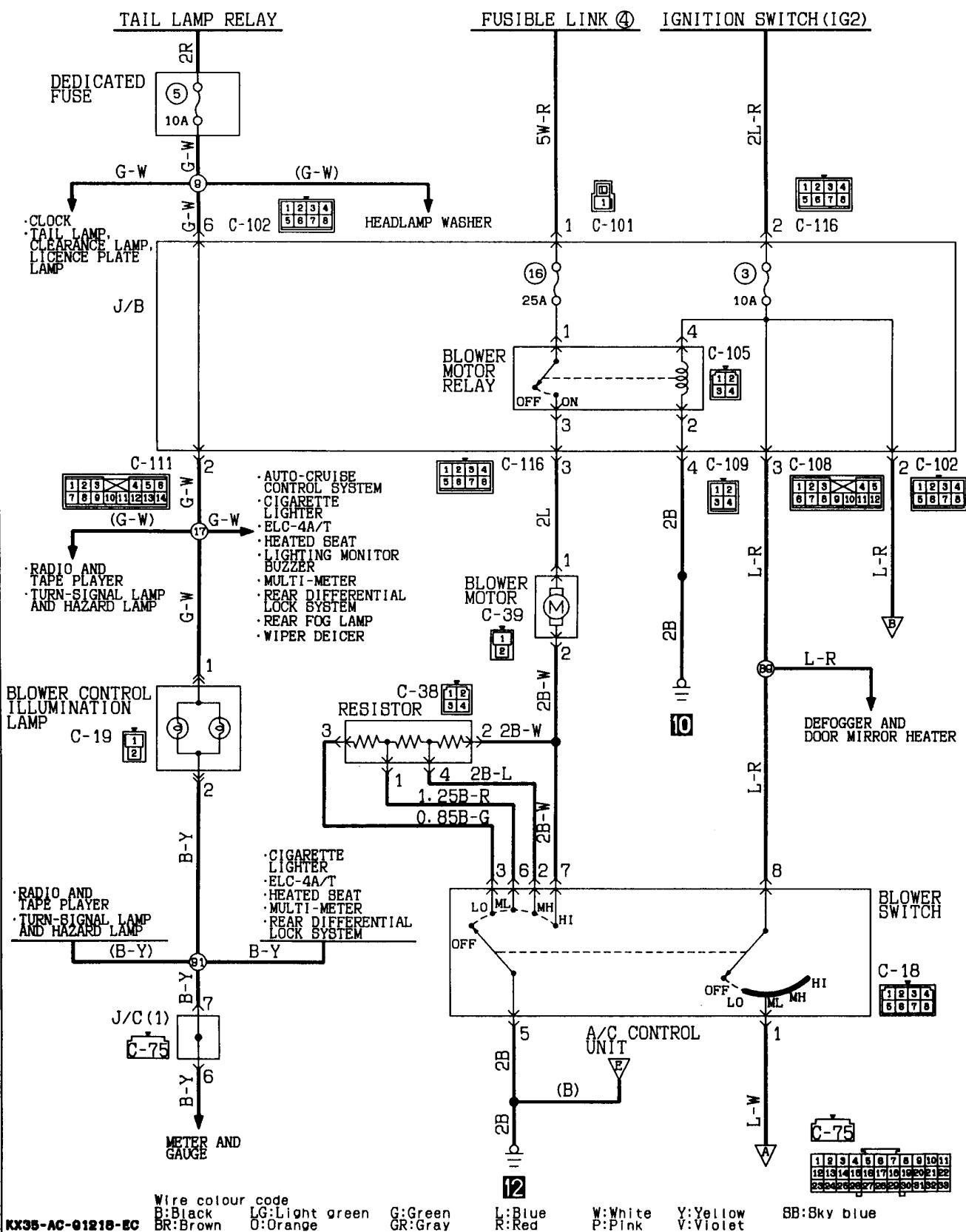
SINGLE AIR CONDITIONER
 <L.H. drive vehicles (6G74 engine) > (CONTINUED)



Wire colour code
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 BR:Brown
 G:Green
 GR:Gray
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 LG:Light green
 O:Orange
 P:Pink
 R:Red
 Y:Yellow
 W:White

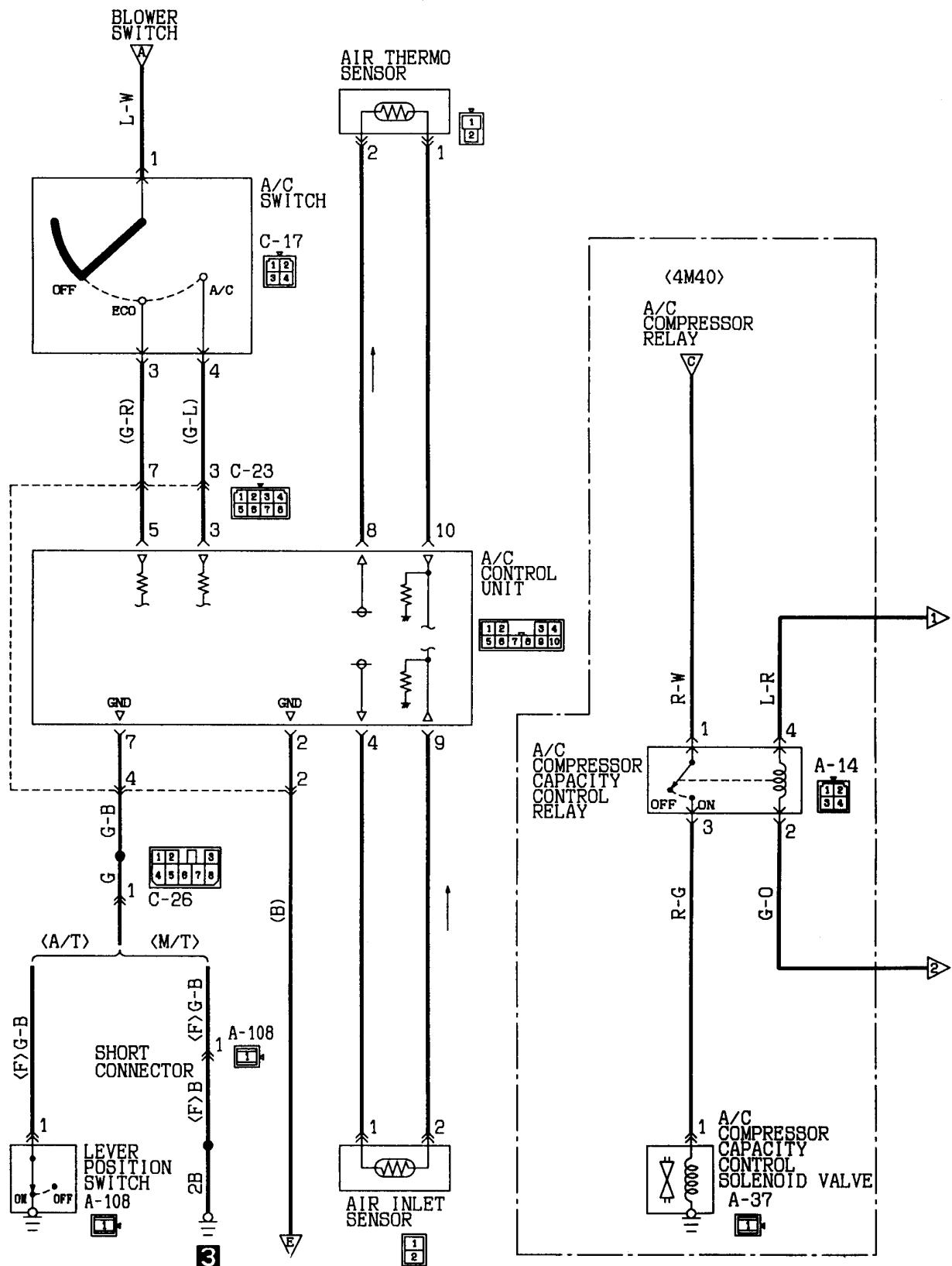
SINGLE AIR CONDITIONER

L.H. drive vehicles < diesel-powered vehicles >



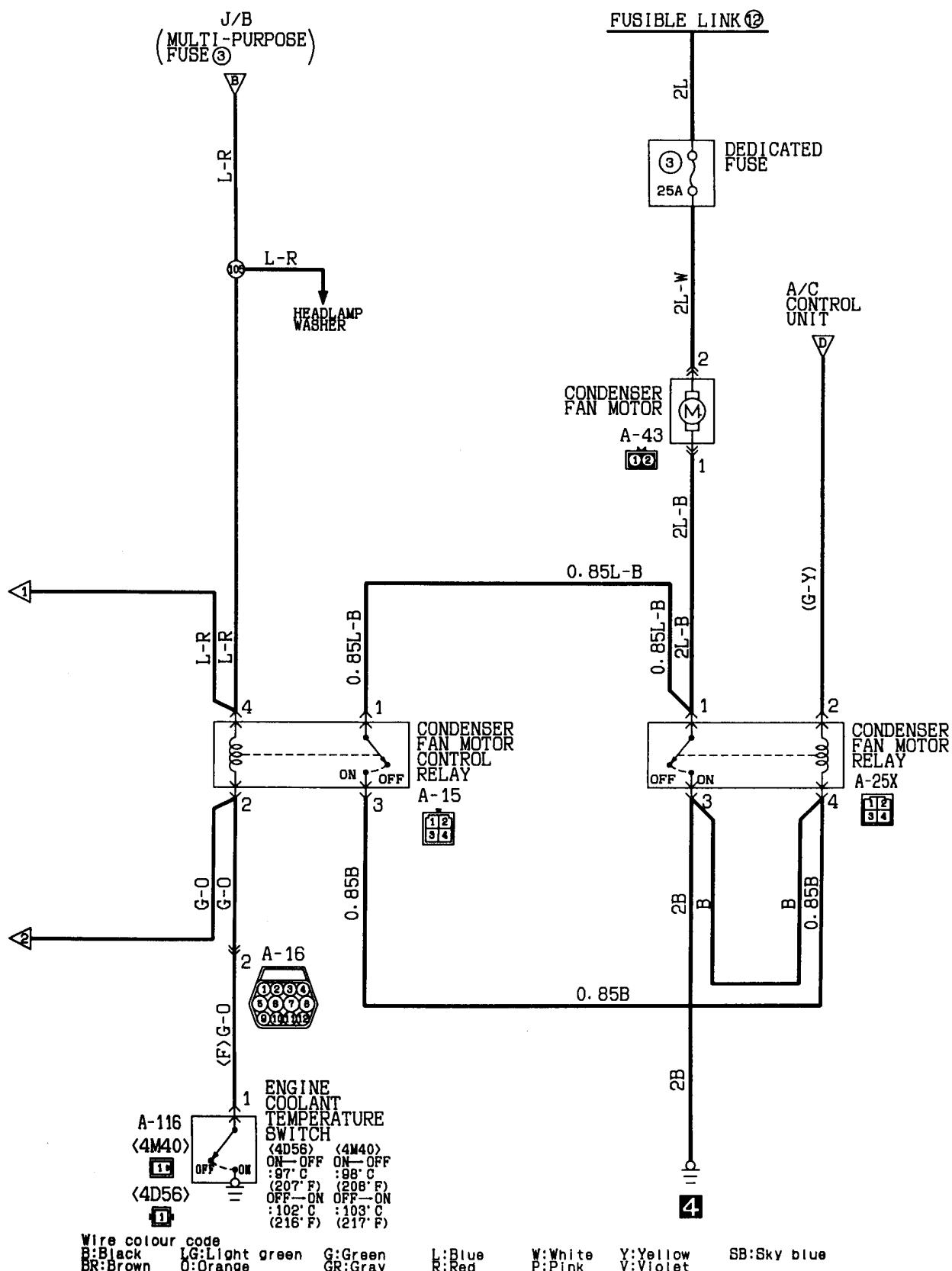
SINGLE AIR CONDITIONER

<L. H. drive vehicles (diesel-powered vehicles) > (CONTINUED)



CIRCUIT DIAGRAM

4A-199



Wire colour code

white colour code
B:Black LG:L1

BR:Brown O:Ora

www.ijerph.com

RECEIVED

Light green G:Green

GR:Gray

www.ijca.org

L:Blue

E:Blue
R:Red

www.wiley.com

W:White

P:Pink

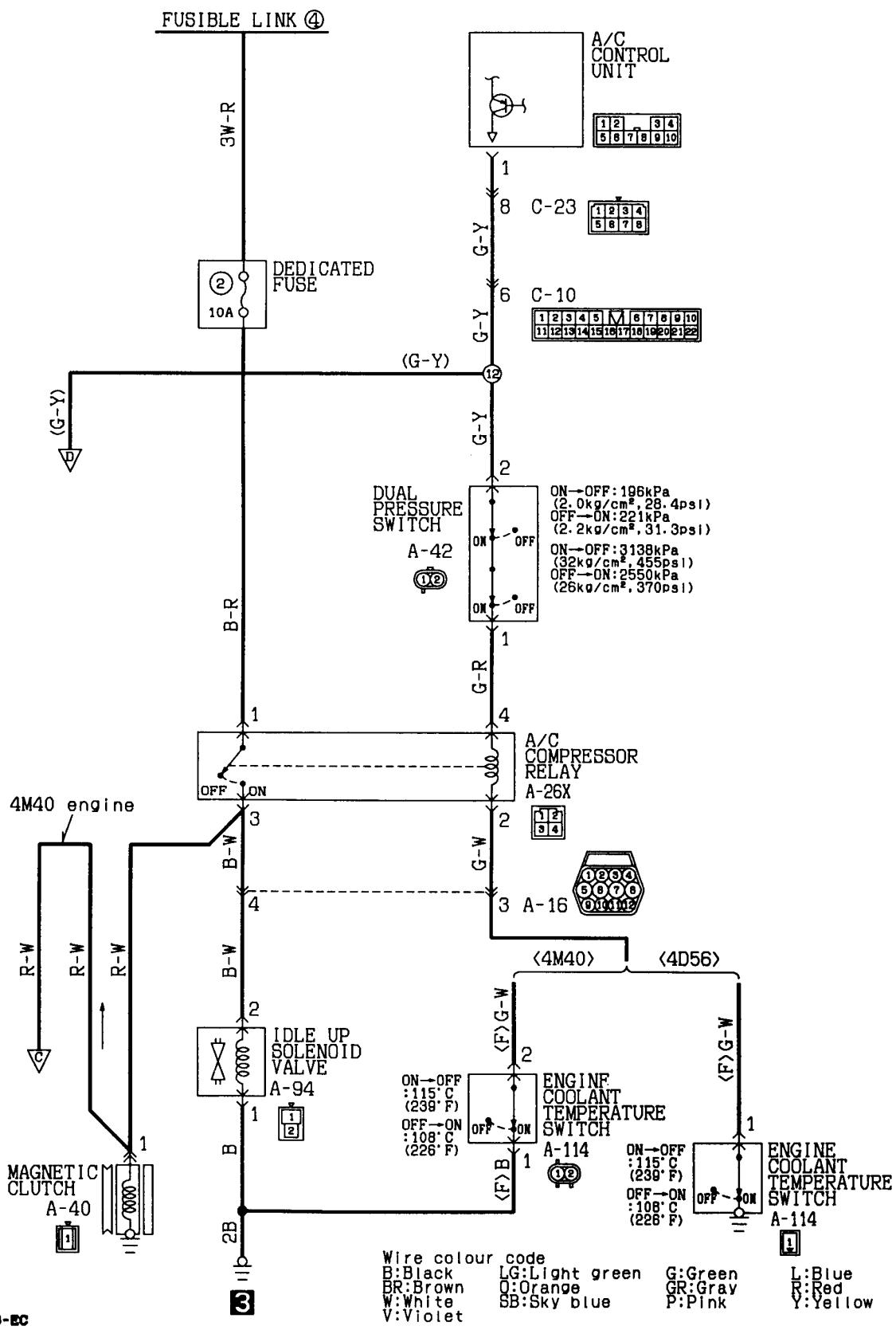
• 100 •

SB:Sky blue

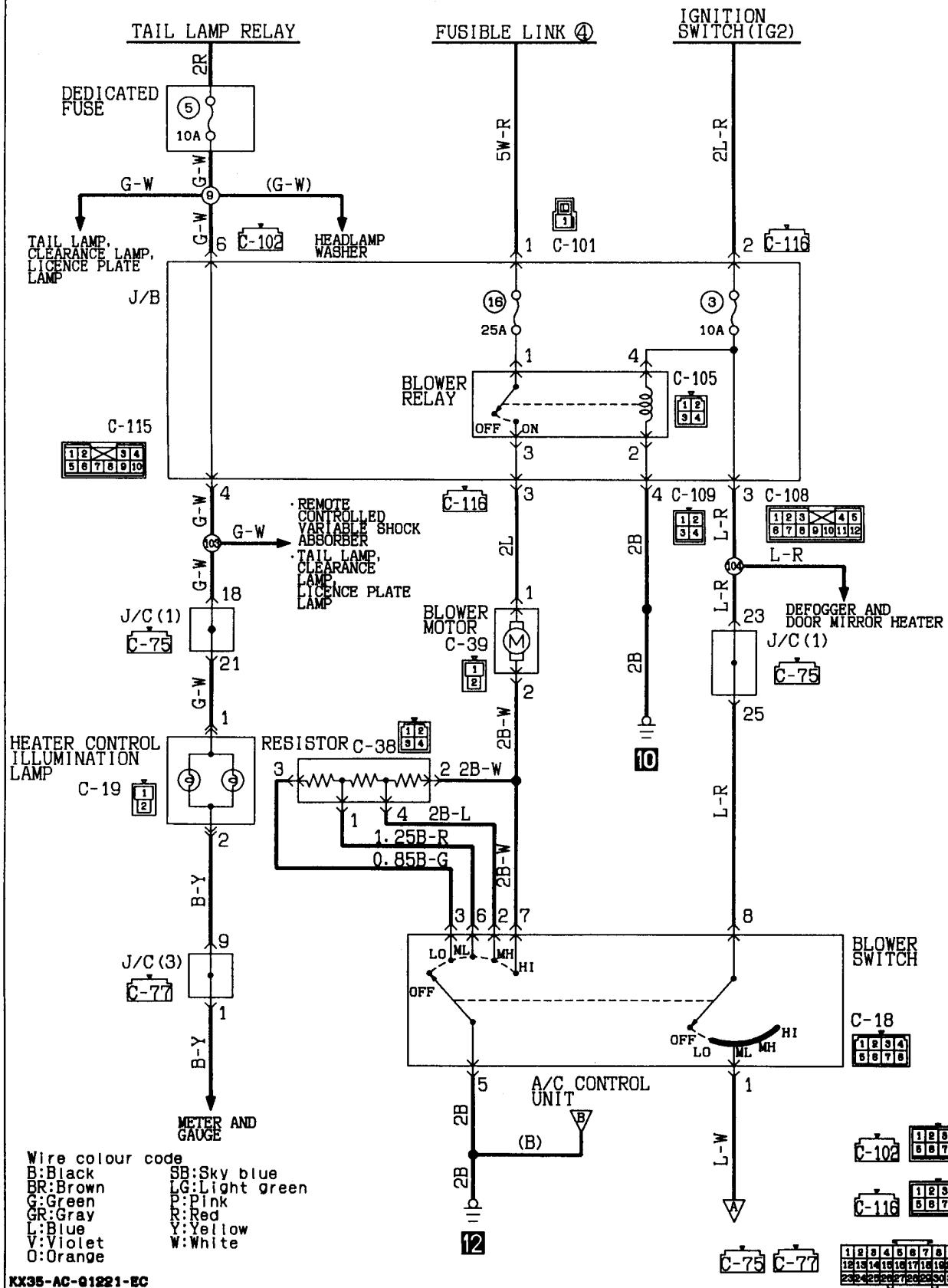
DD:DRY, DTS

[View Details](#)

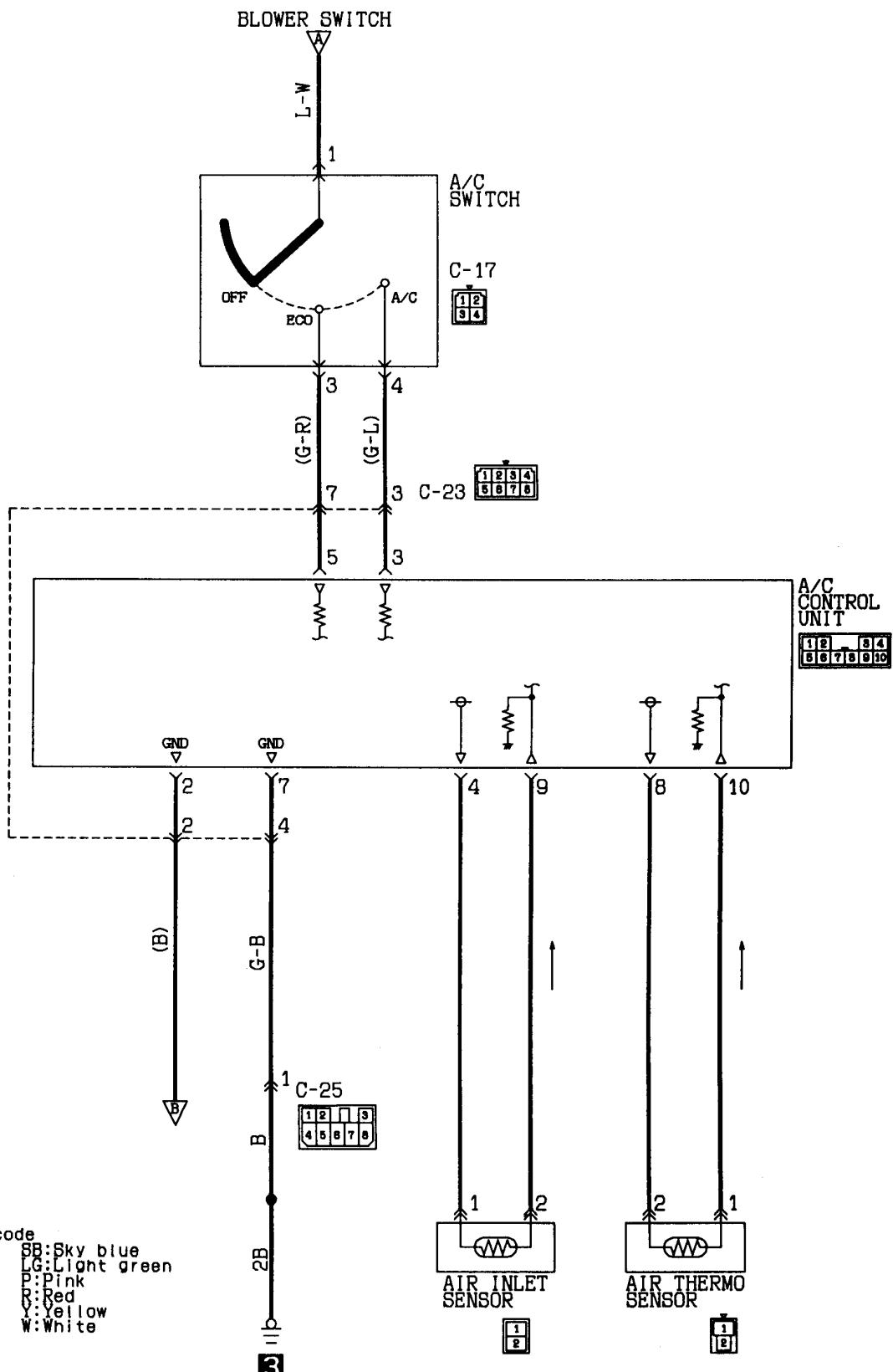
SINGLE AIR CONDITIONER
< L.H. drive vehicles (diesel-powered vehicles) > (CONTINUED)

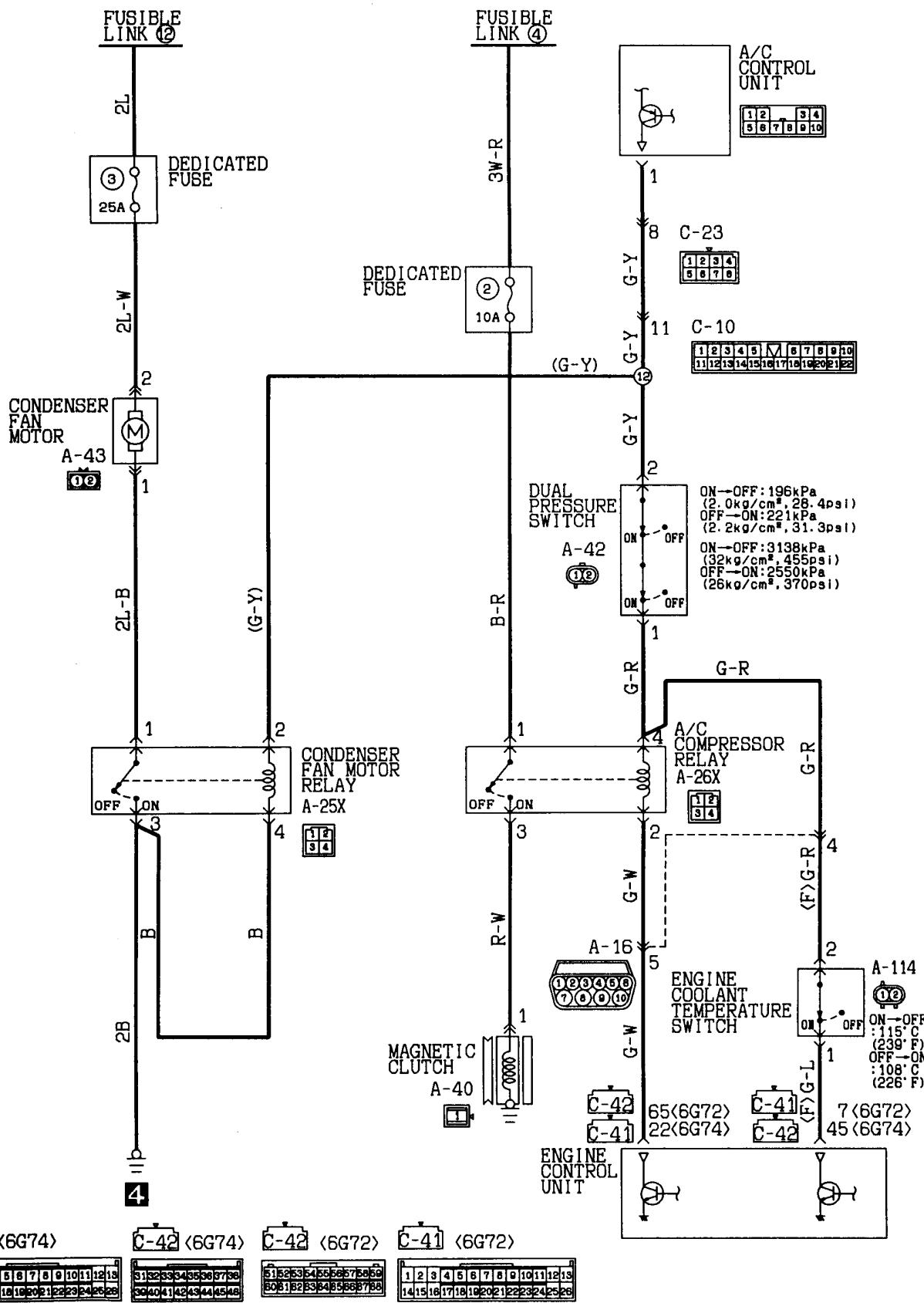


SINGLE AIR CONDITIONER
R.H. drive vehicles <petrol-powered vehicles>



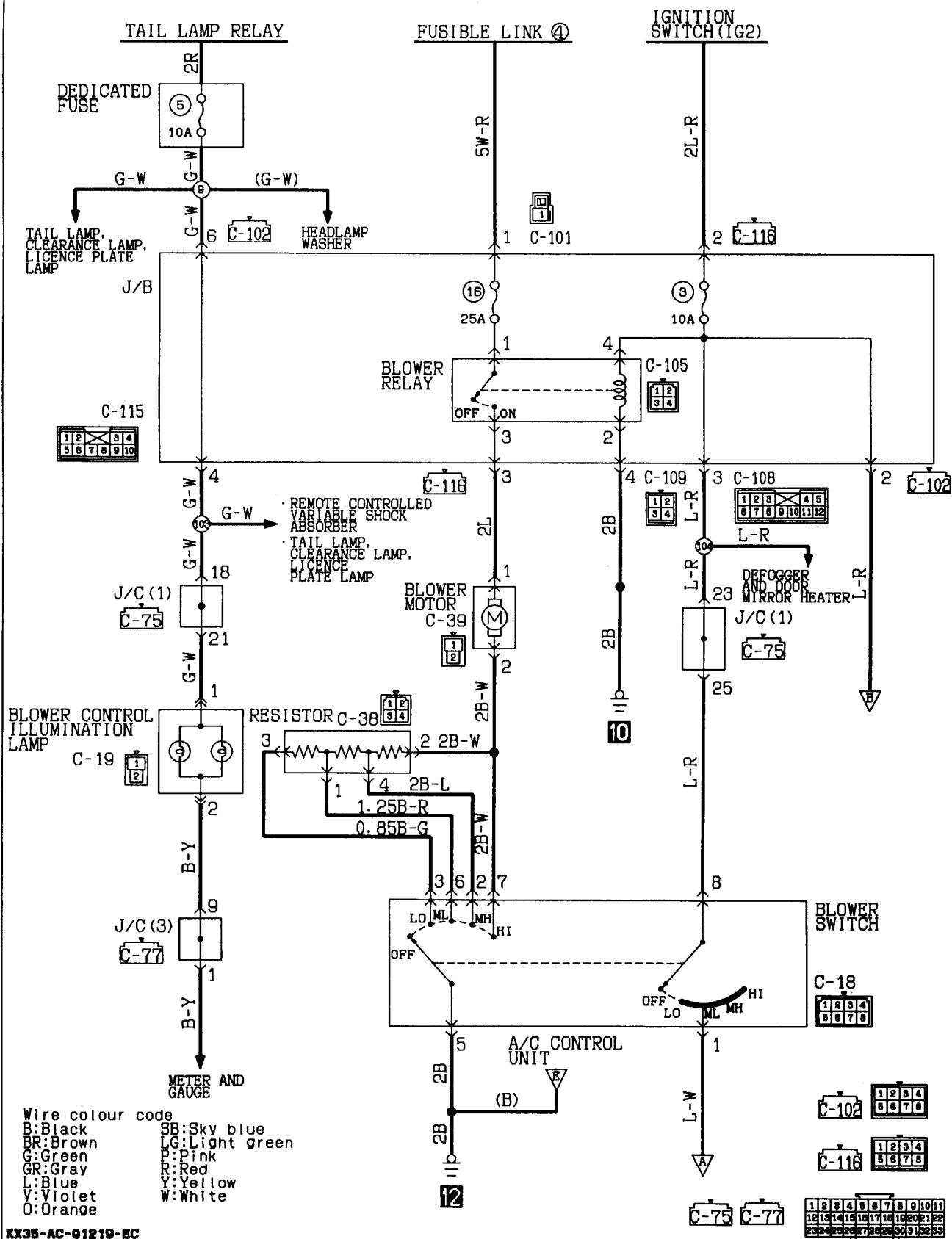
SINGLE AIR CONDITIONER
 <R. H. drive vehicles (petrol-powered vehicles) > (CONTINUED)



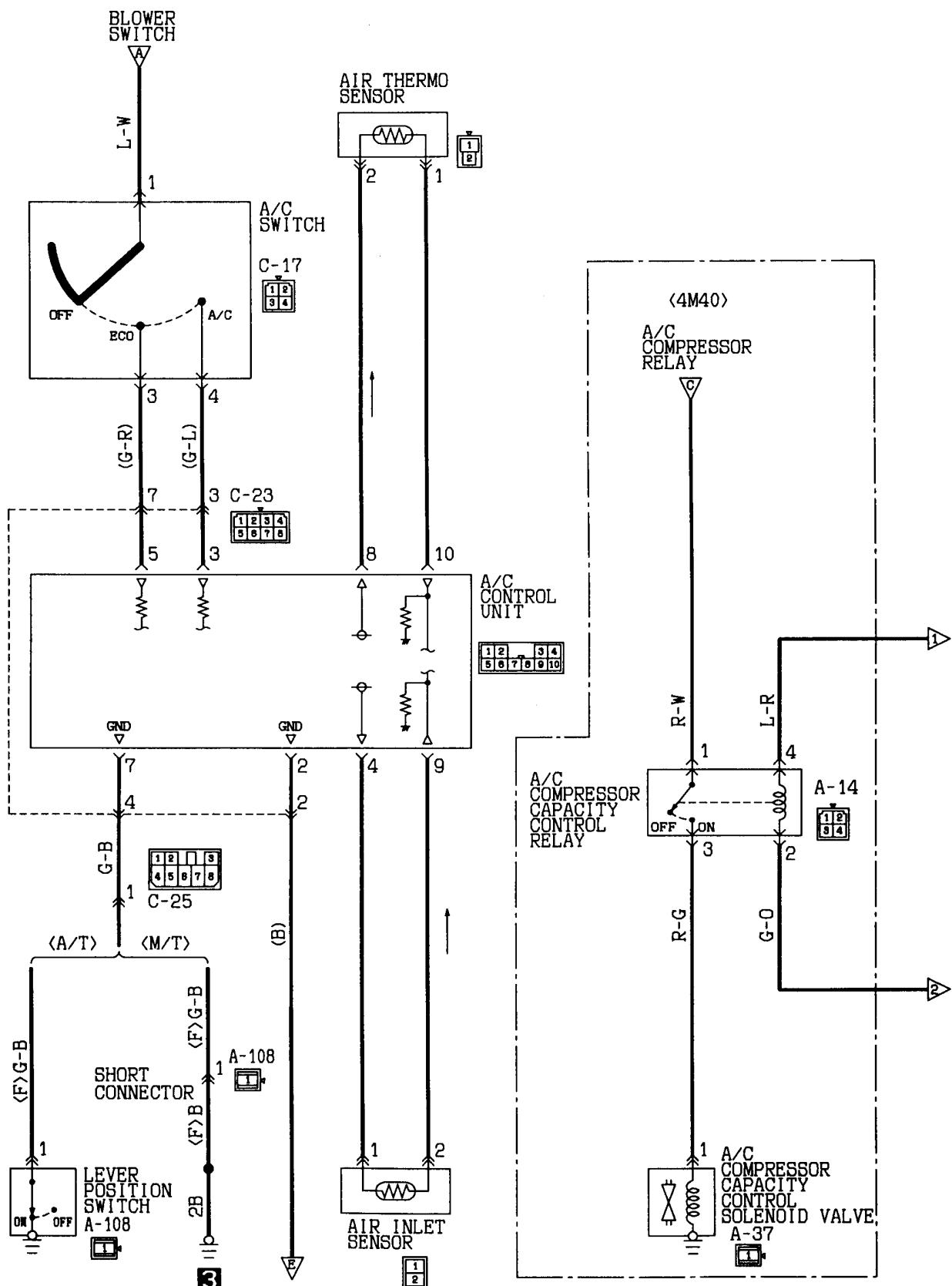


SINGLE AIR CONDITIONER

R.H. drive vehicles< diesel-powered vehicles>

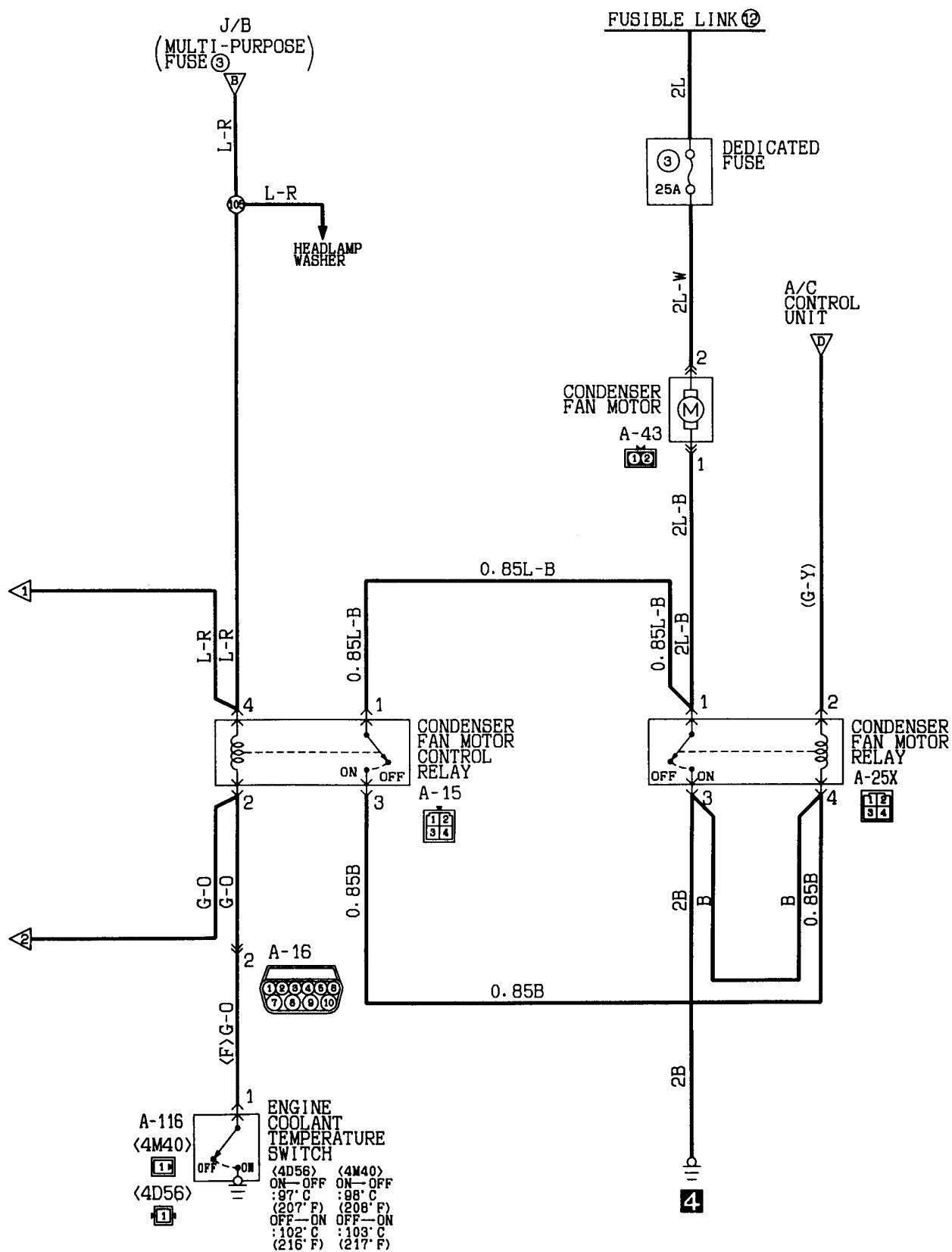


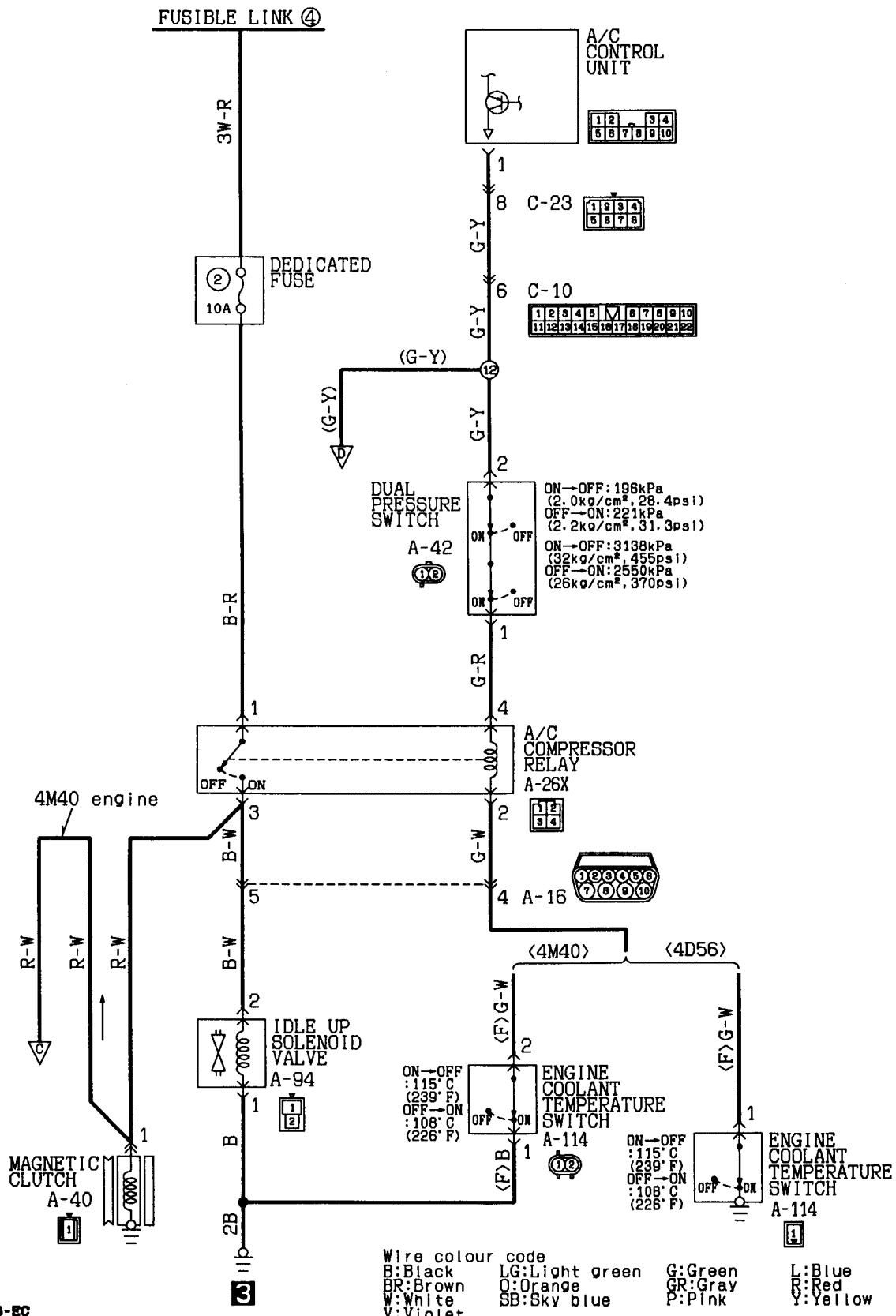
KX35-AC-01219-EC



SINGLE AIR CONDITIONER

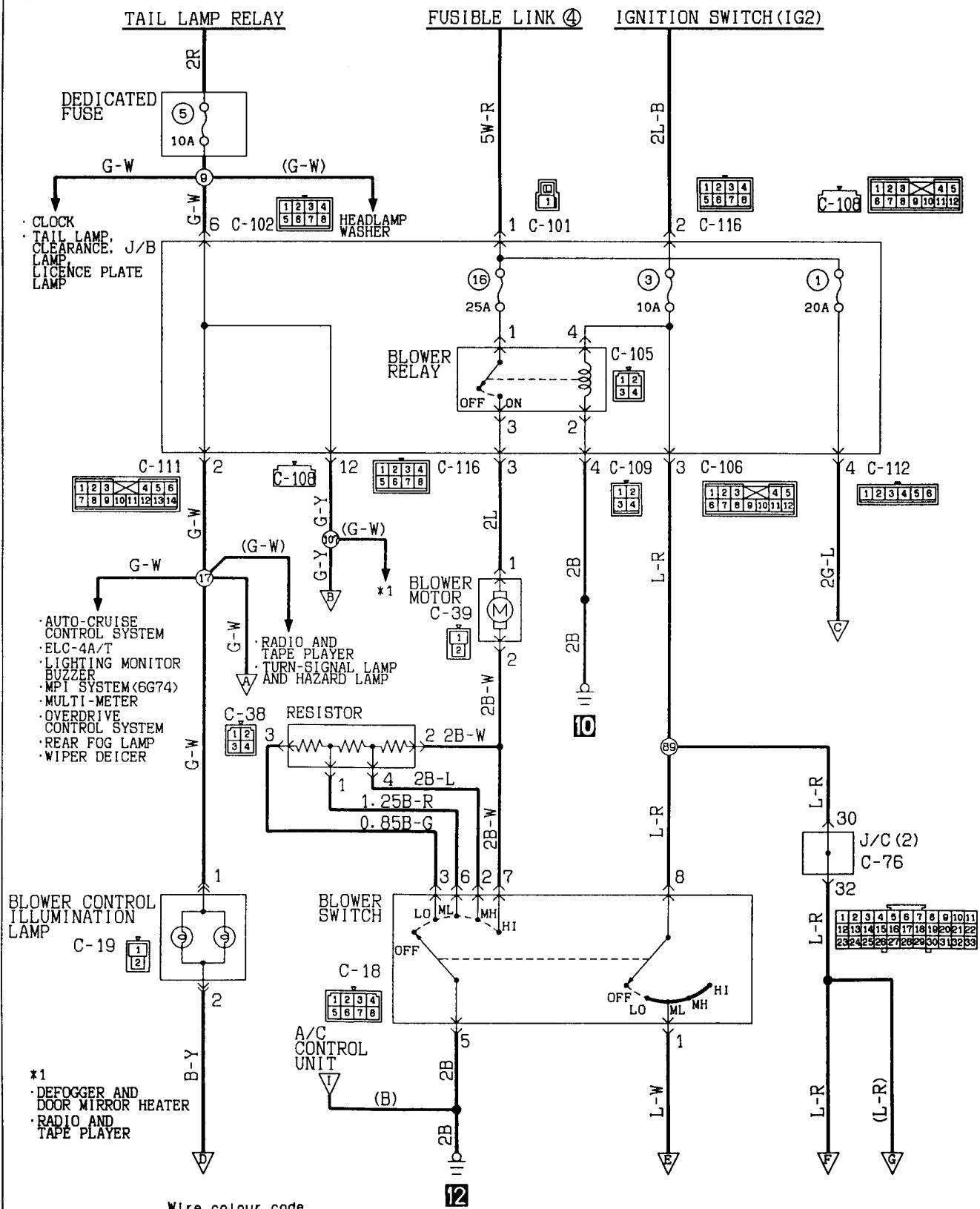
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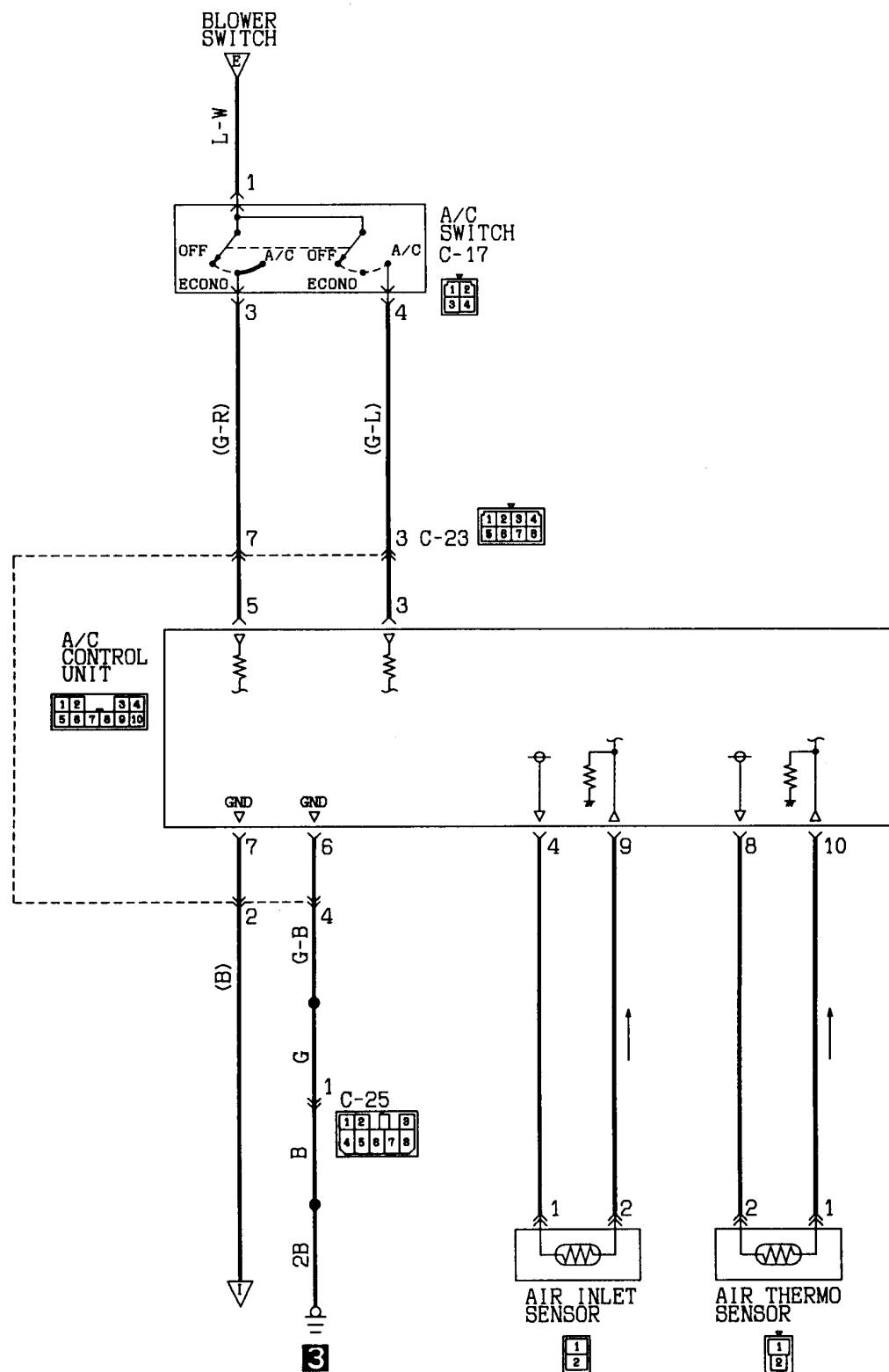




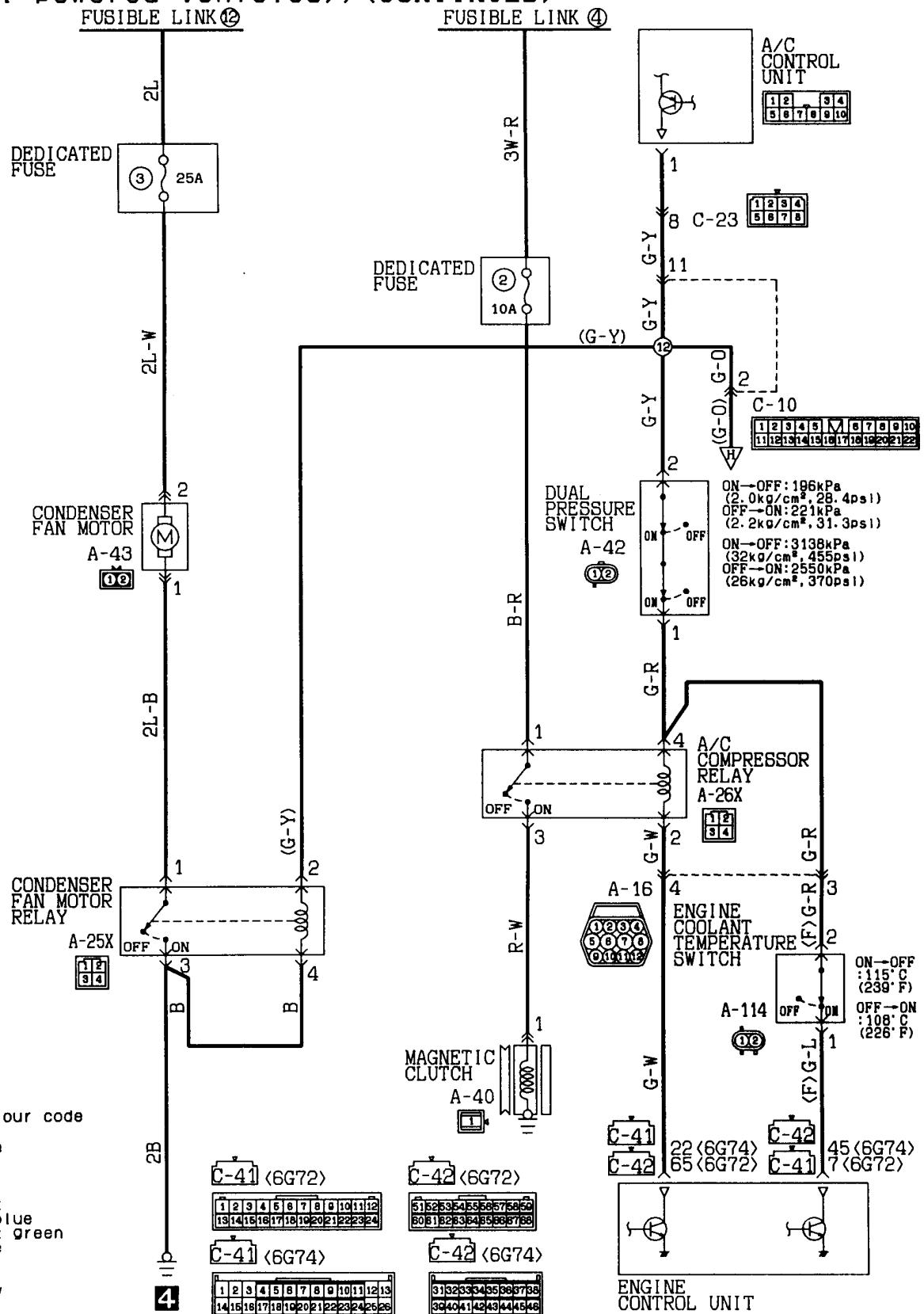
DUAL AIR CONDITIONER

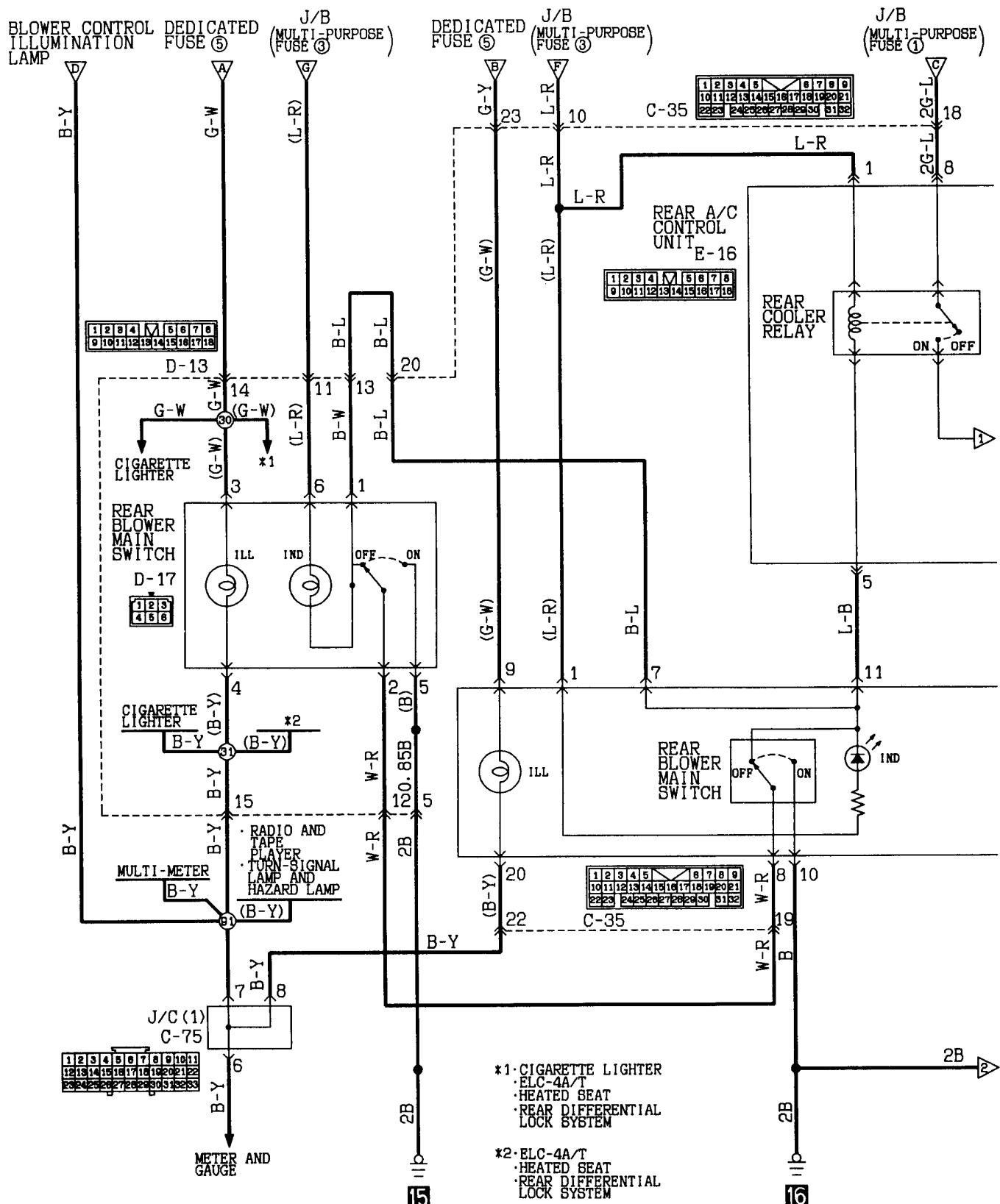
L.H. drive vehicles without rear heater
(petrol-powered vehicles)



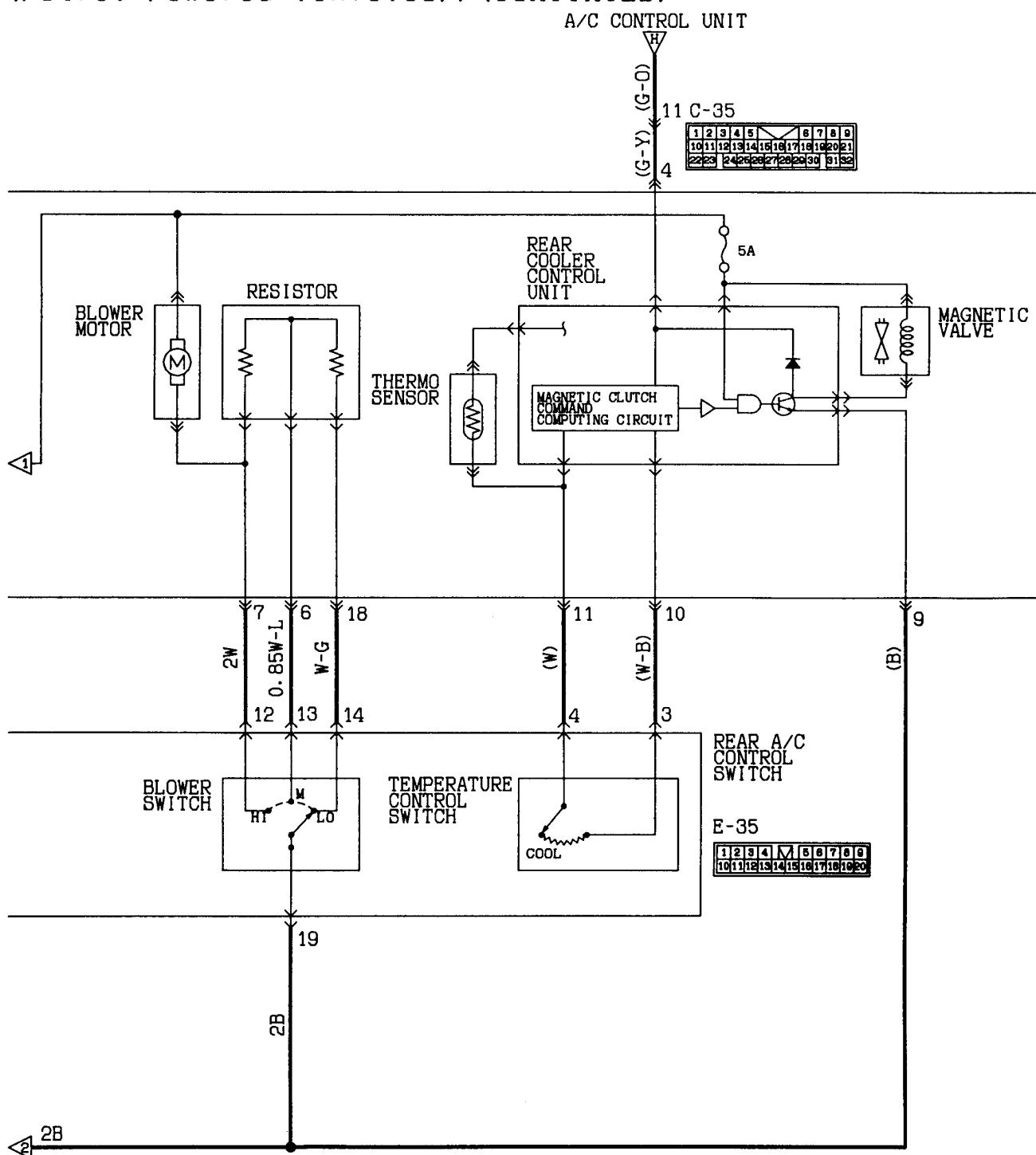


DUAL AIR CONDITIONER

< L. H. drive vehicles without rear heater
(petrol-powered vehicles) > (CONTINUED)



DUAL AIR CONDITIONER

< L. H. drive vehicles without rear heater
(petrol-powered vehicles) > (CONTINUED)

Wire colour code

B:Black

LG:Light green

G:Green

L:Blue

W:White

Y:Yellow

SB:Sky blue

BR:Brown

O:Orange

GR:Gray

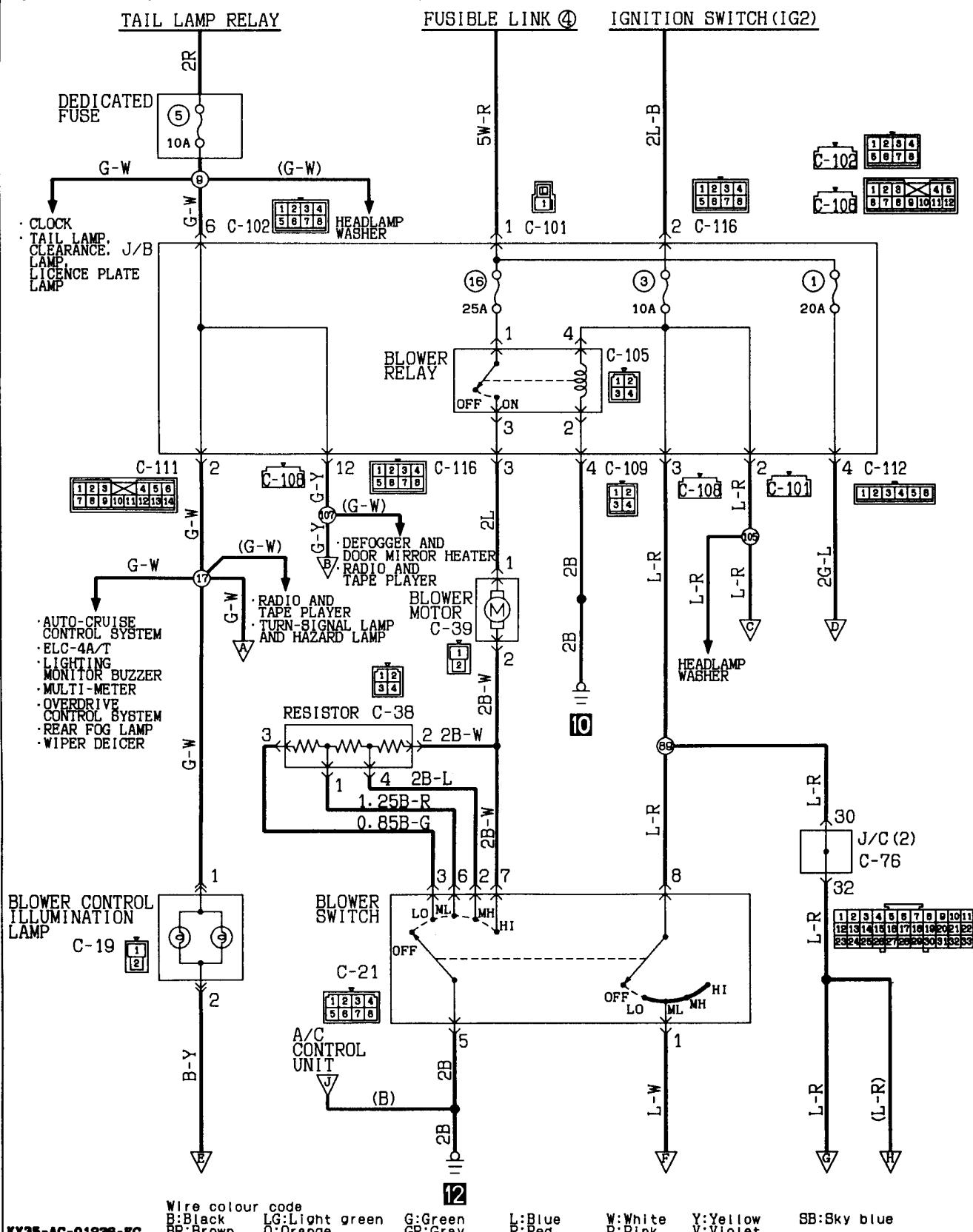
R:Red

P:Pink

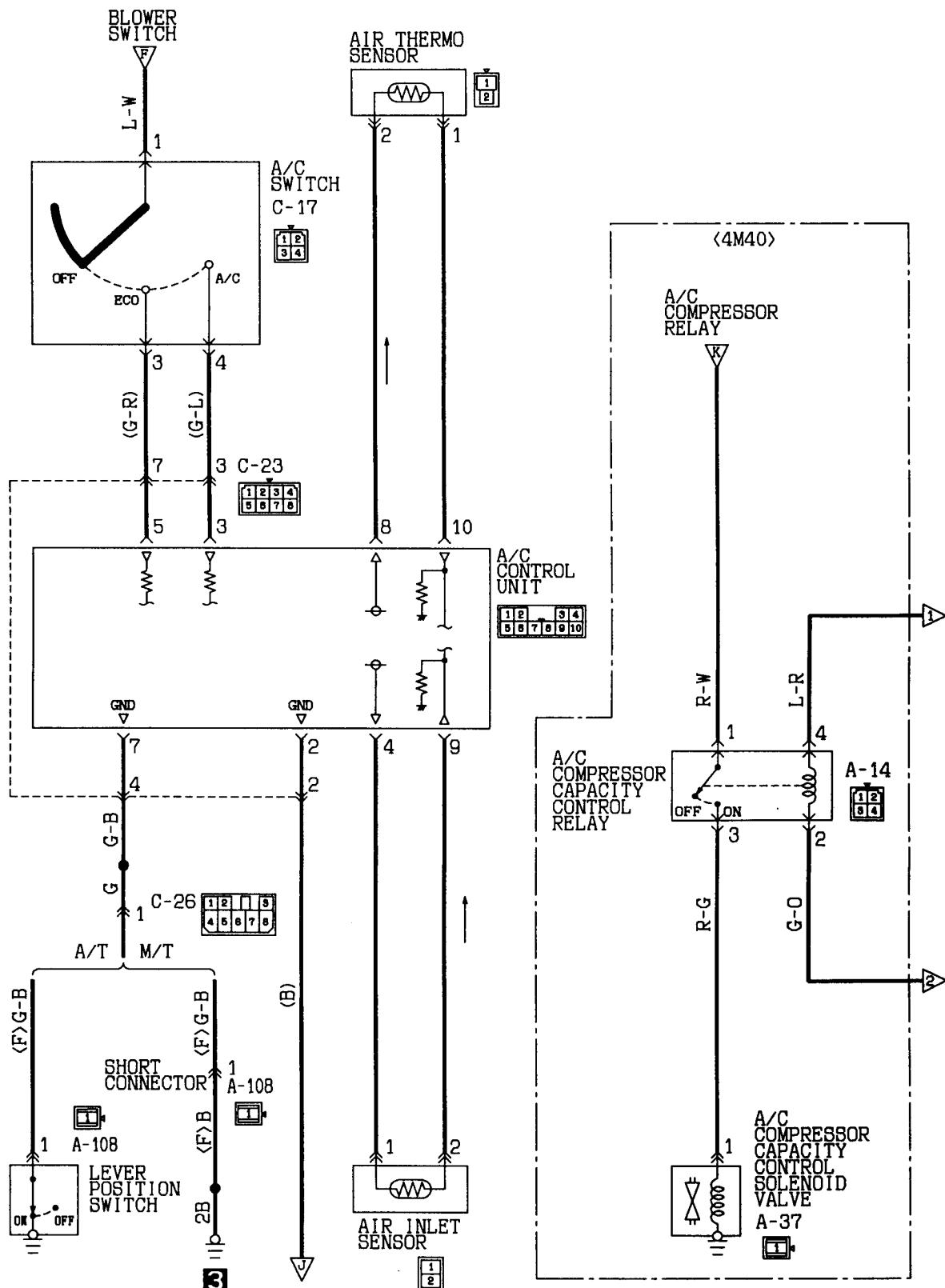
V:Violet

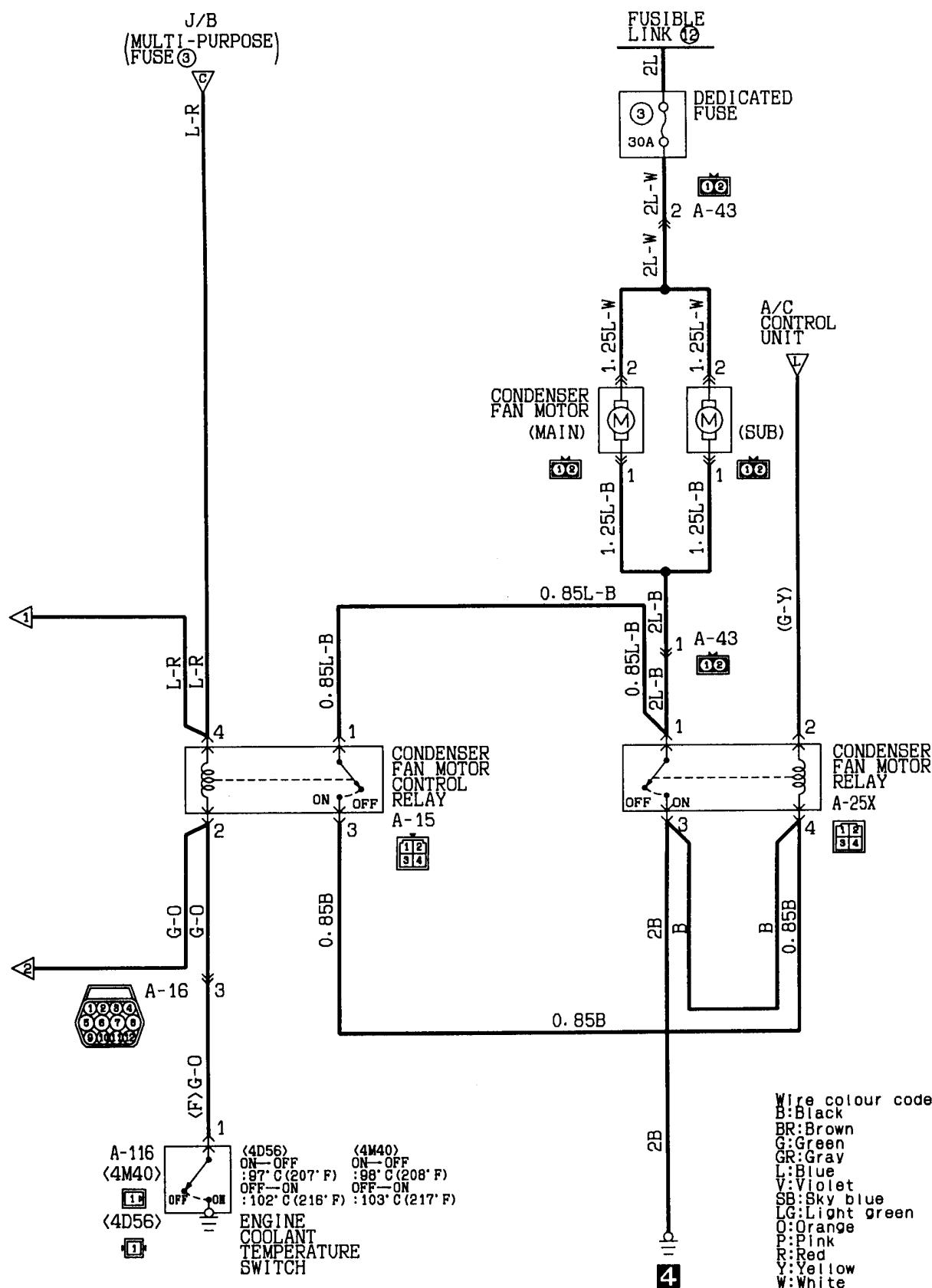
DUAL AIR CONDITIONER

L.H. drive vehicles without rear heater
(diesel-powered vehicles)



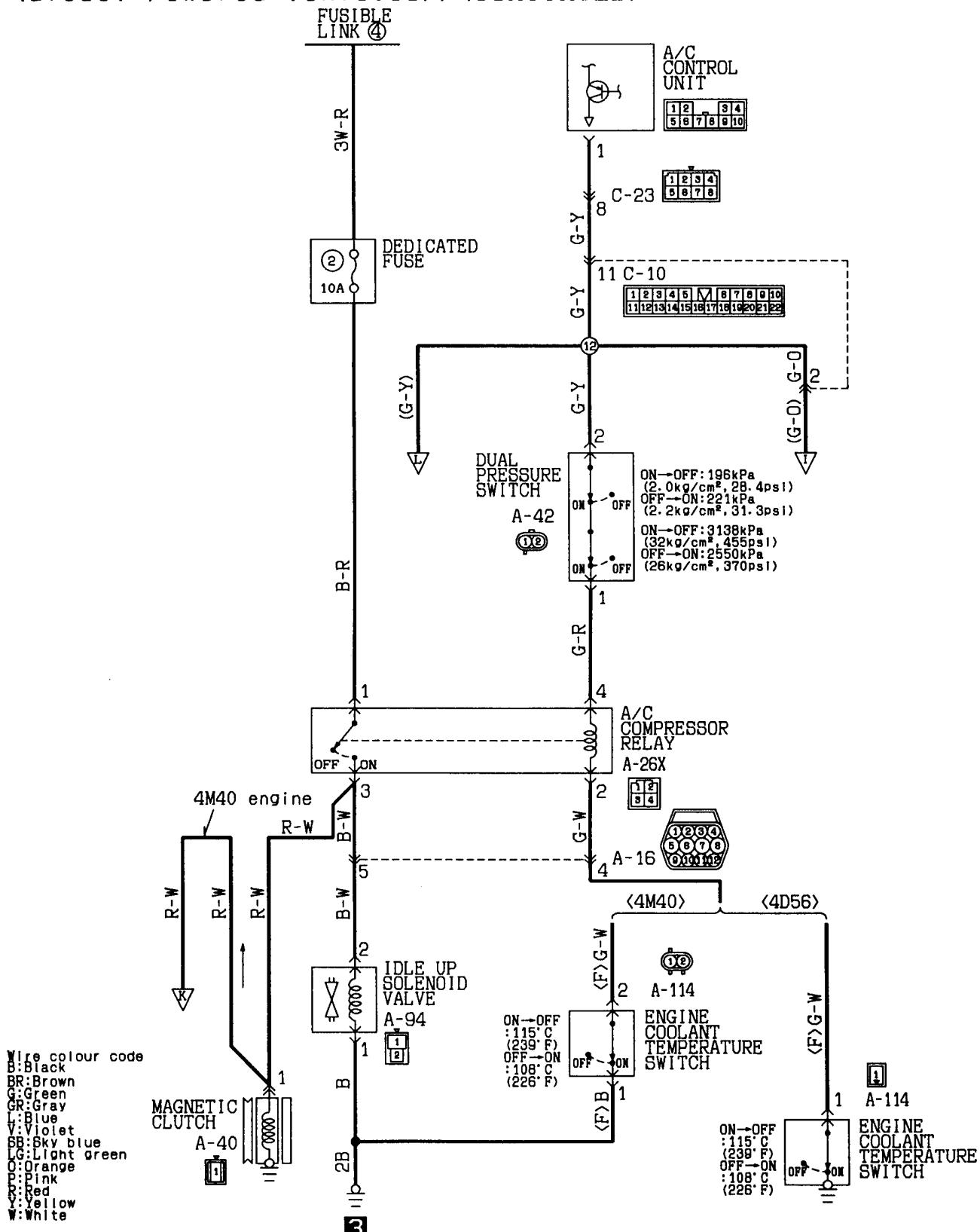
DUAL AIR CONDITIONER

< L.H. drive vehicles without rear heater
(diesel-powered vehicles) > (CONTINUED)



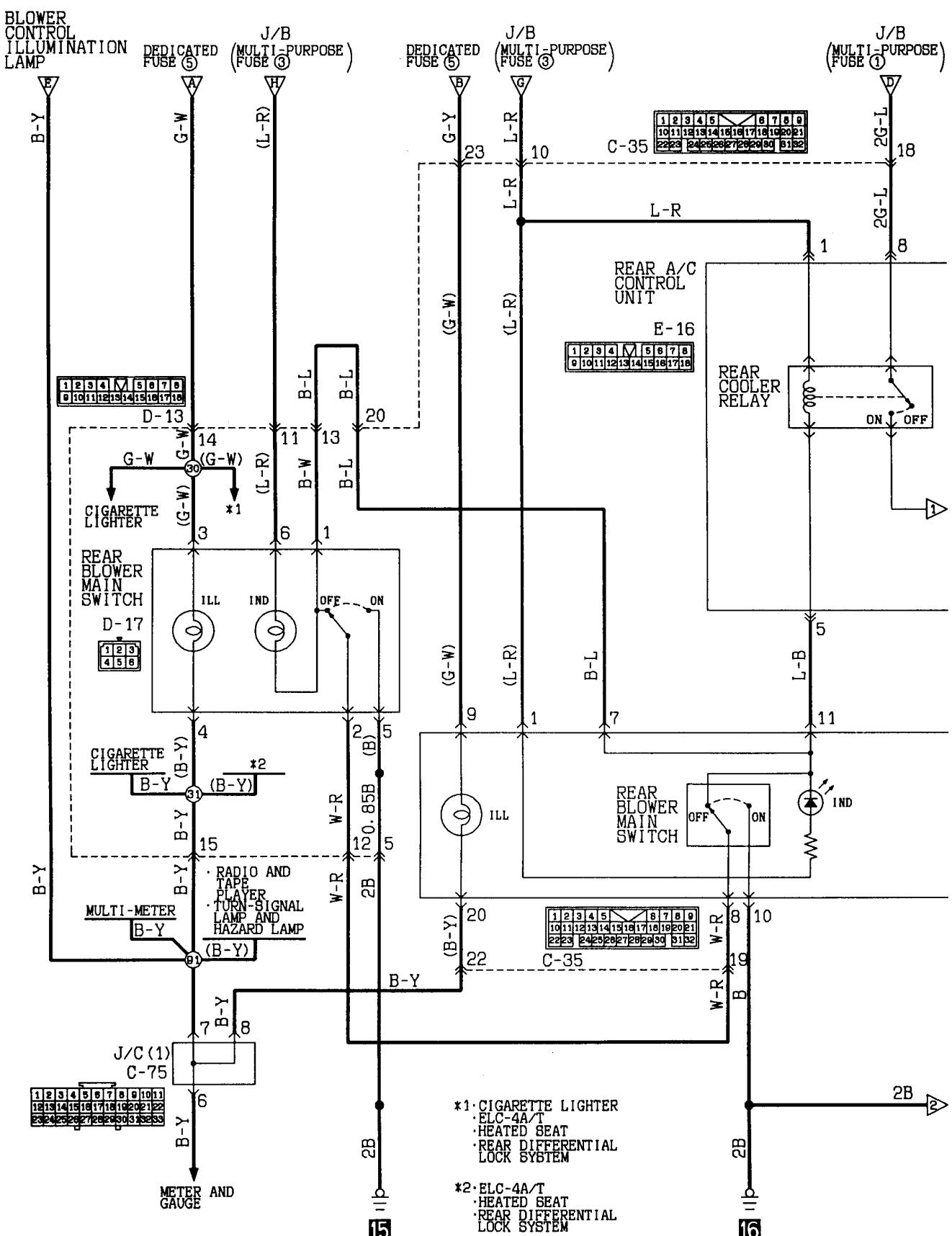
Wire colour code
B:Black
BR:Brown
G:Green
GR:Gray
L:Blue
V:Violet
SB:Sky blue
LG:Light green
O:Orange
P:Pink
R:Red
Y:Yellow
W:White

DUAL AIR CONDITIONER

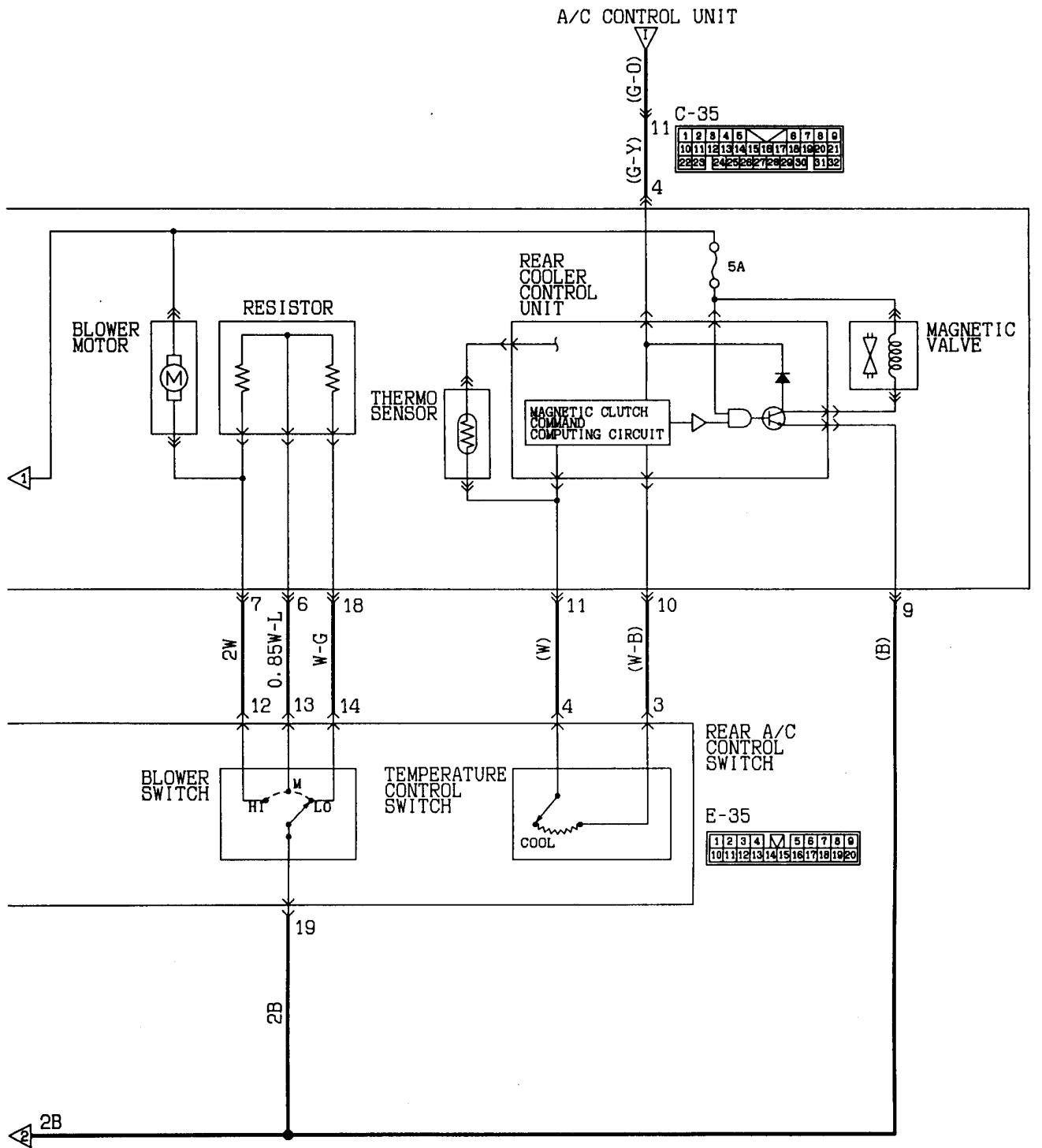
< L. H. drive vehicles without rear heater
(diesel-powered vehicles) > (CONTINUED)

CIRCUIT DIAGRAM

4A-217



DUAL AIR CONDITIONER
<L.H. drive vehicles without rear heater
(diesel-powered vehicles) > (CONTINUED)



Wire colour code

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

G:Green
GR:Gray

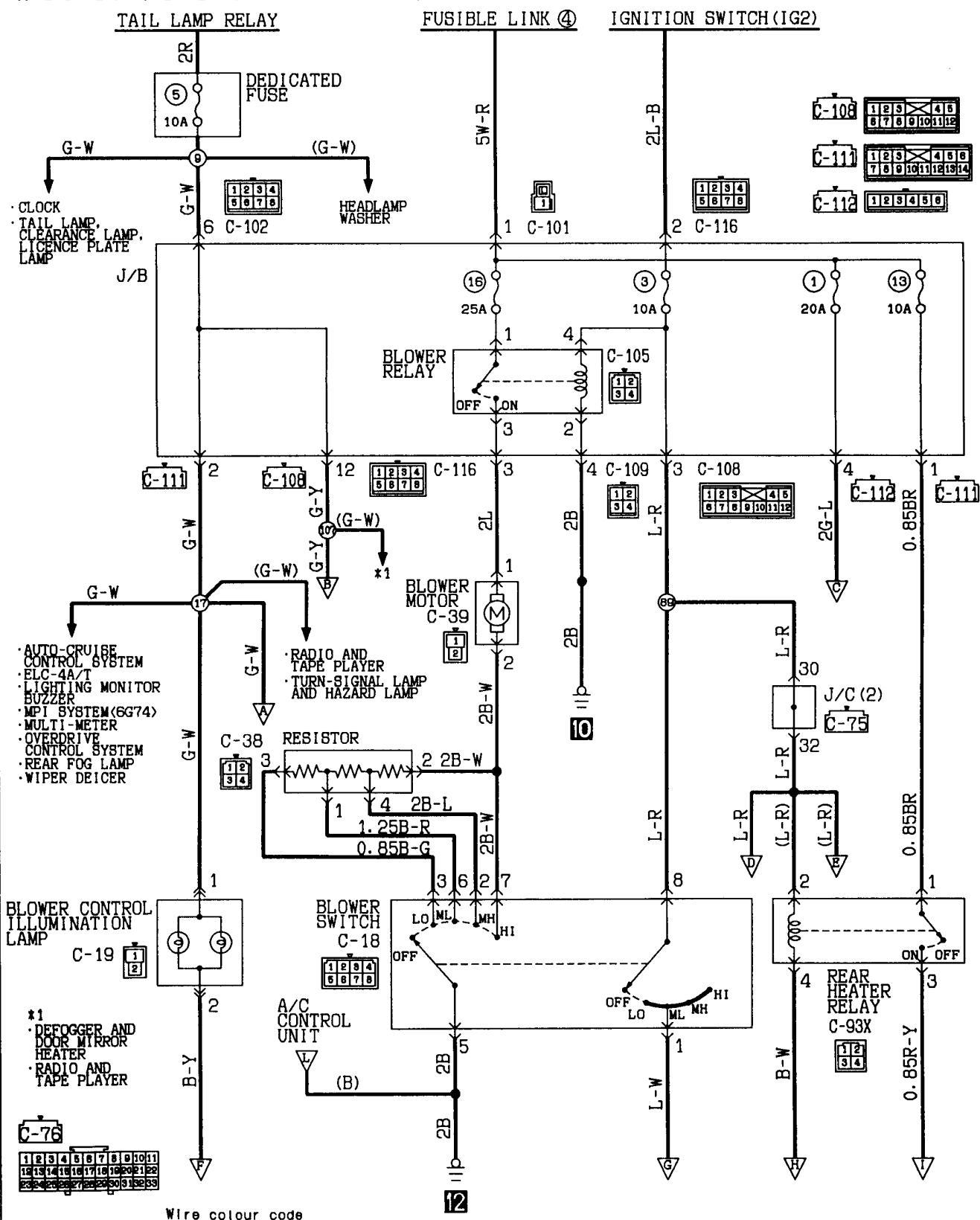
L:Blue
R:Red

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

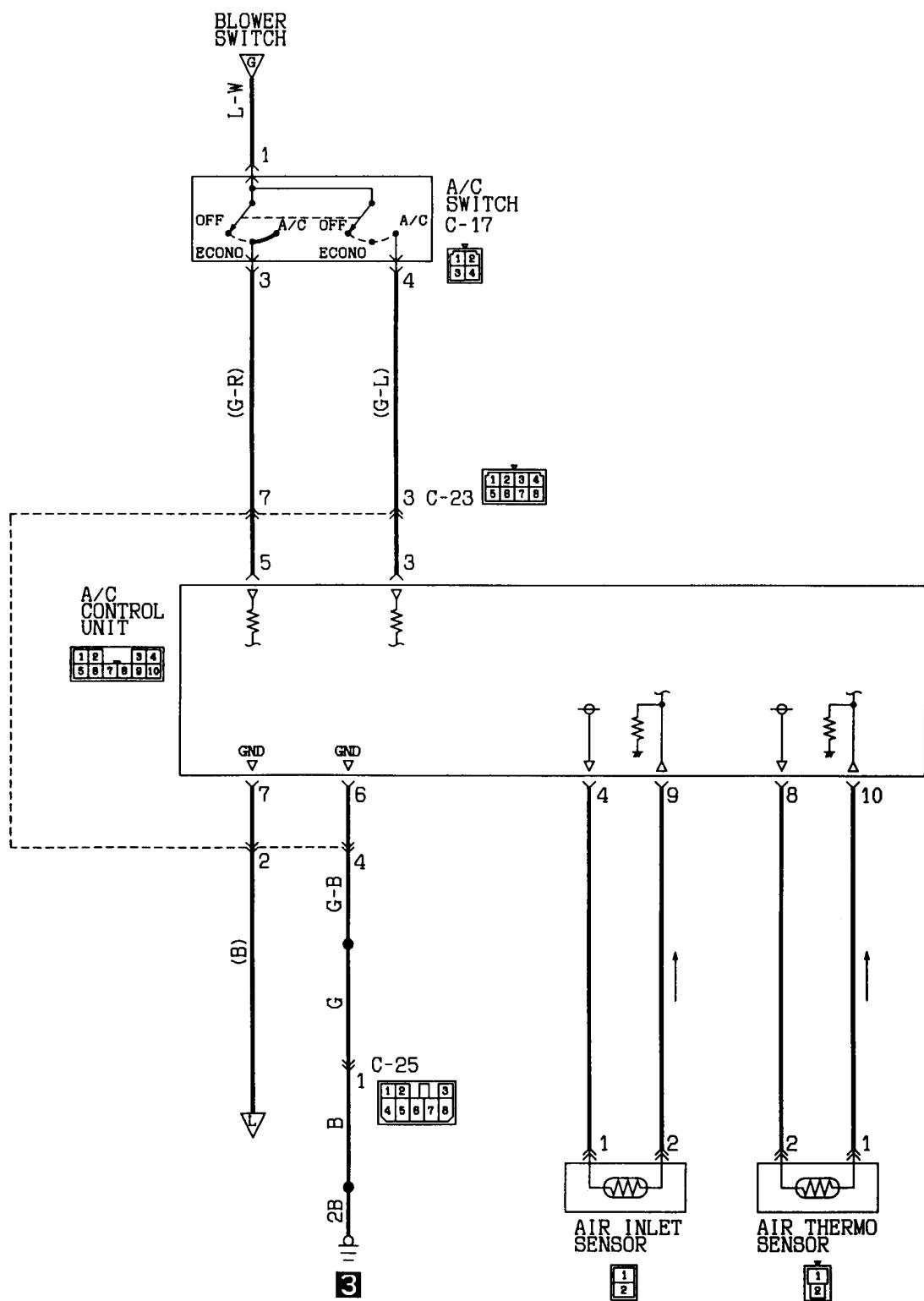
SB:Sky blue

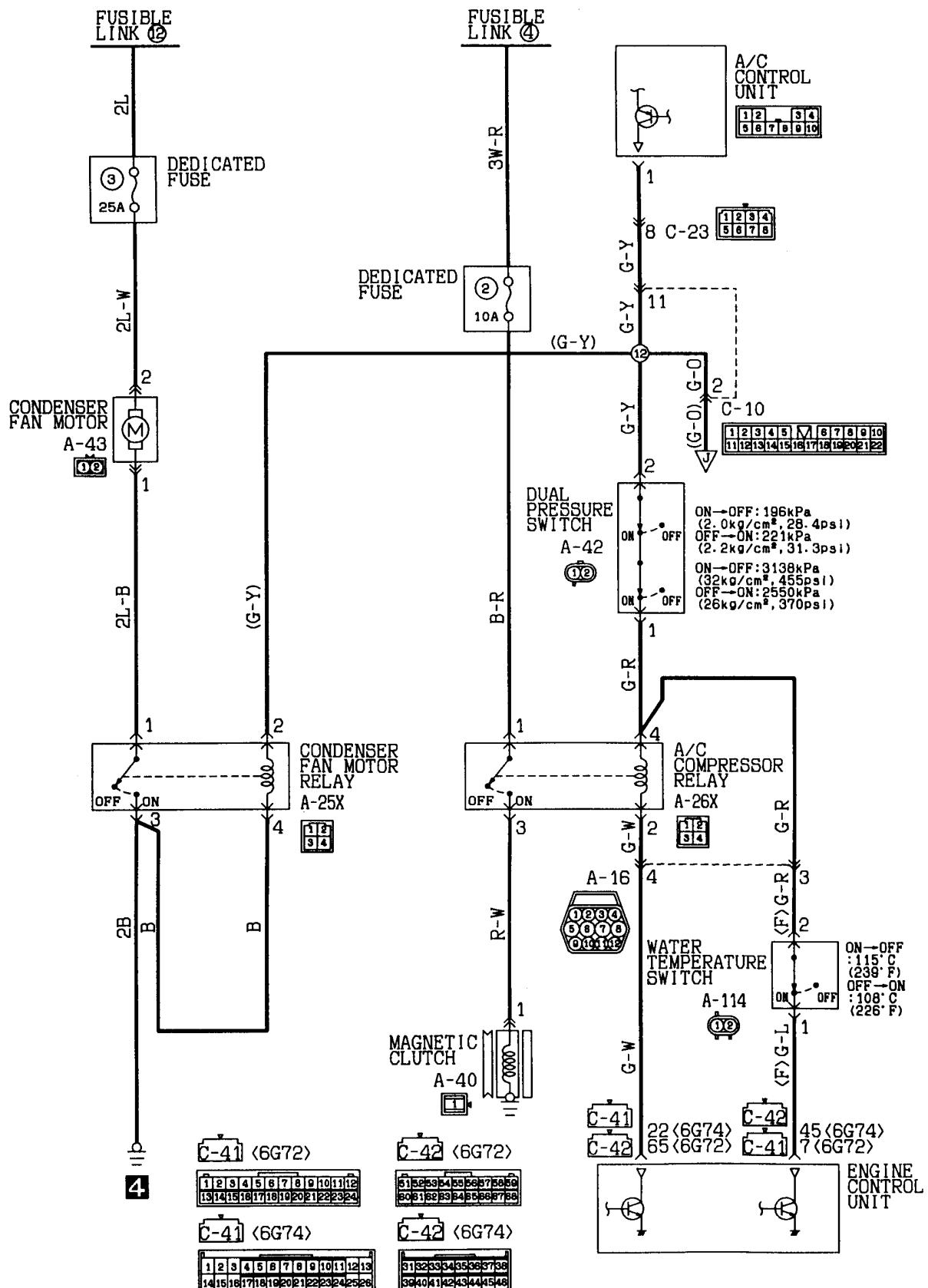
DUAL AIR CONDITIONER

L. H. drive vehicles with rear heater
(petrol-powered vehicles)

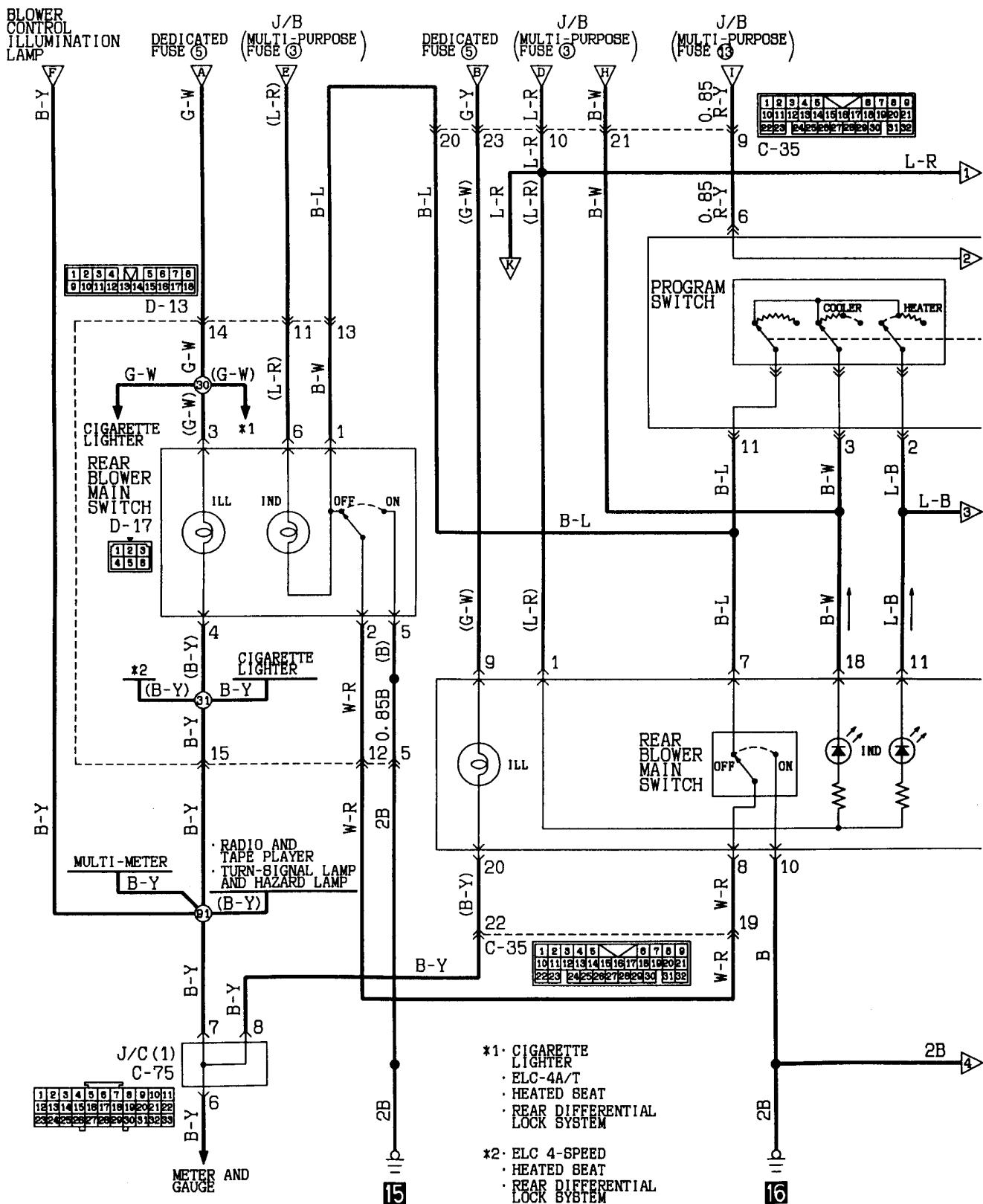


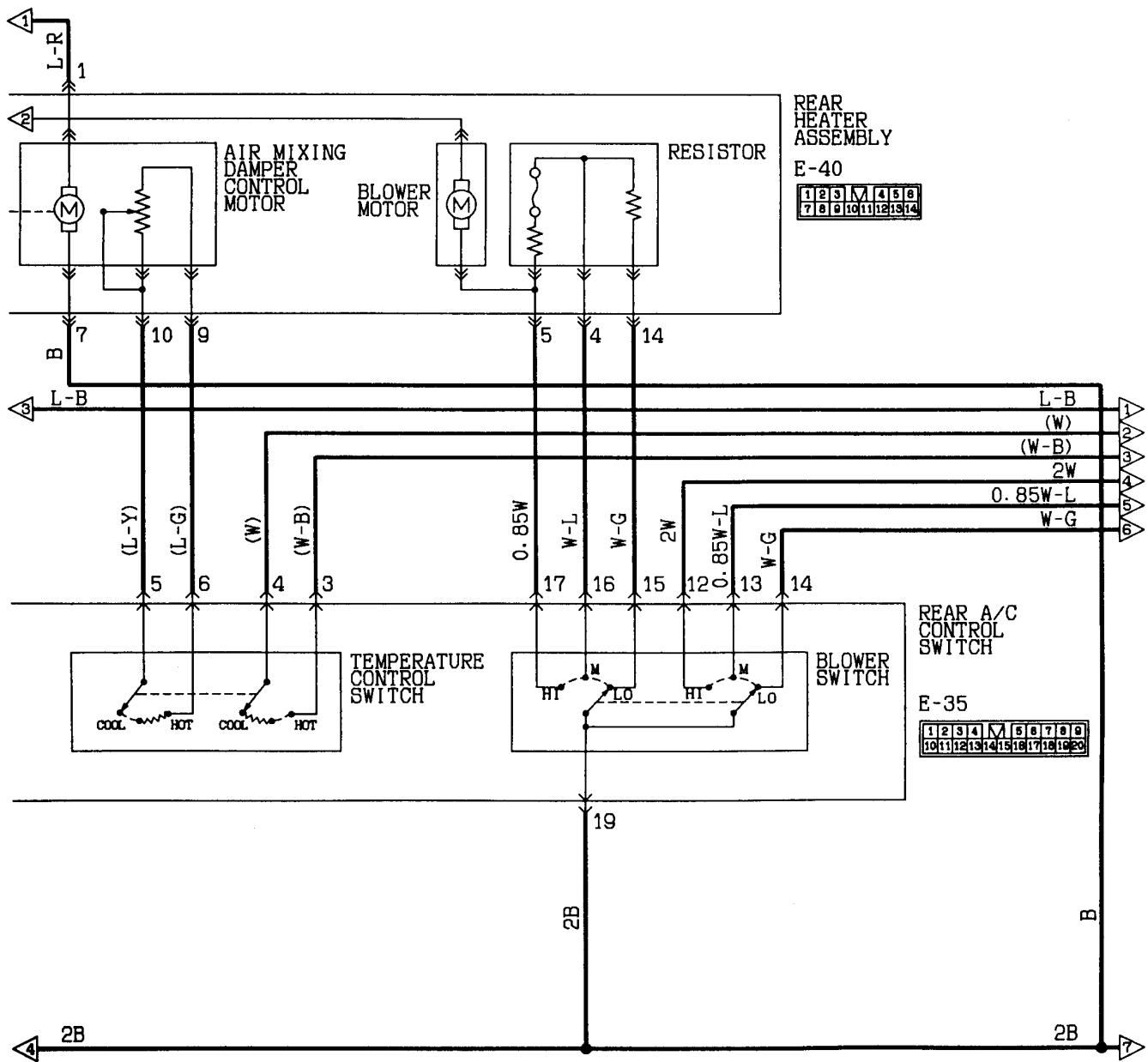
DUAL AIR CONDITIONER
 <L.H. drive vehicles with rear heater
 (petrol-powered vehicles)> (CONTINUED)





DUAL AIR CONDITIONER

< L. H. drive vehicles with rear heater
(petrol-powered vehicles) > (CONTINUED)

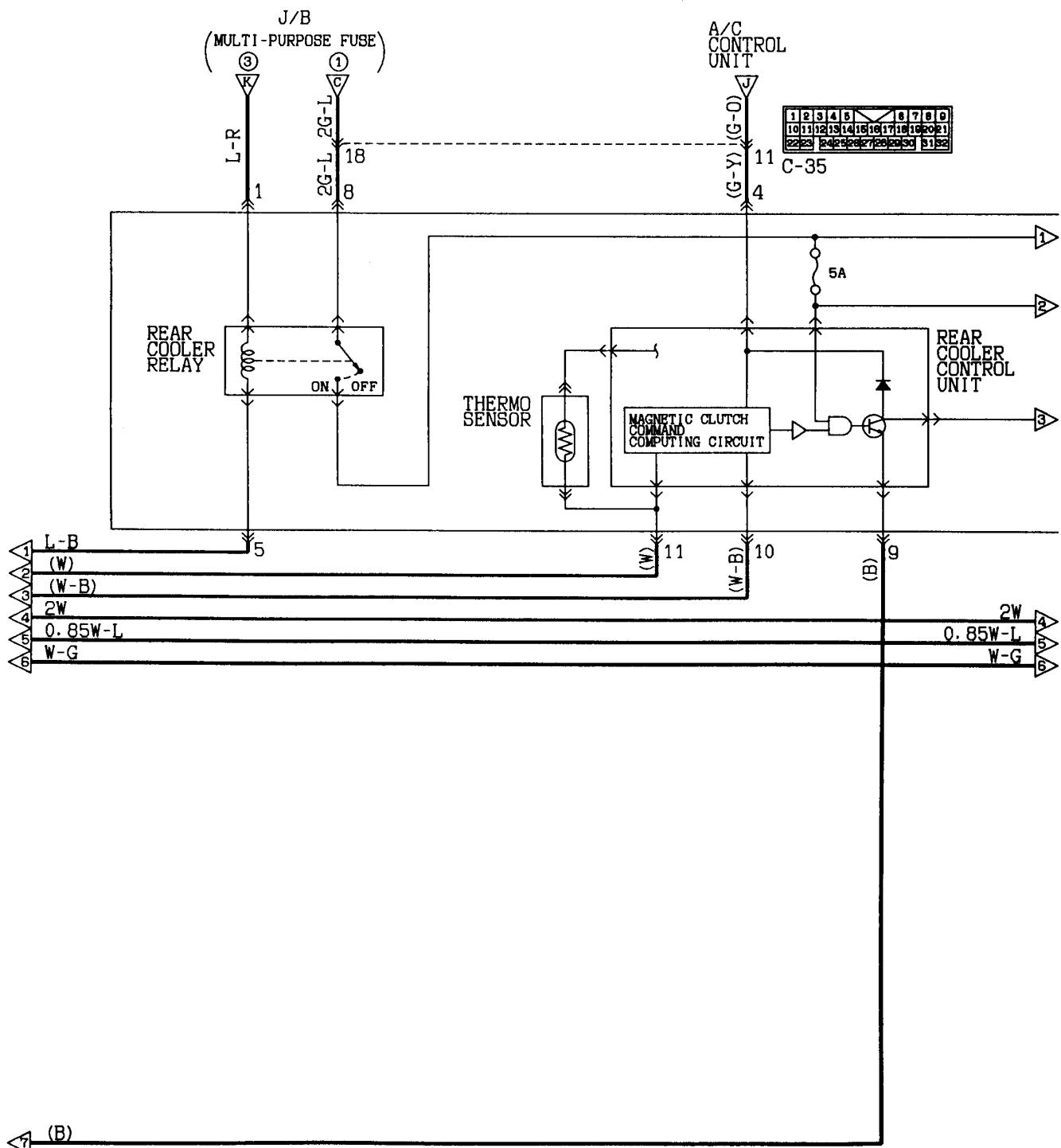


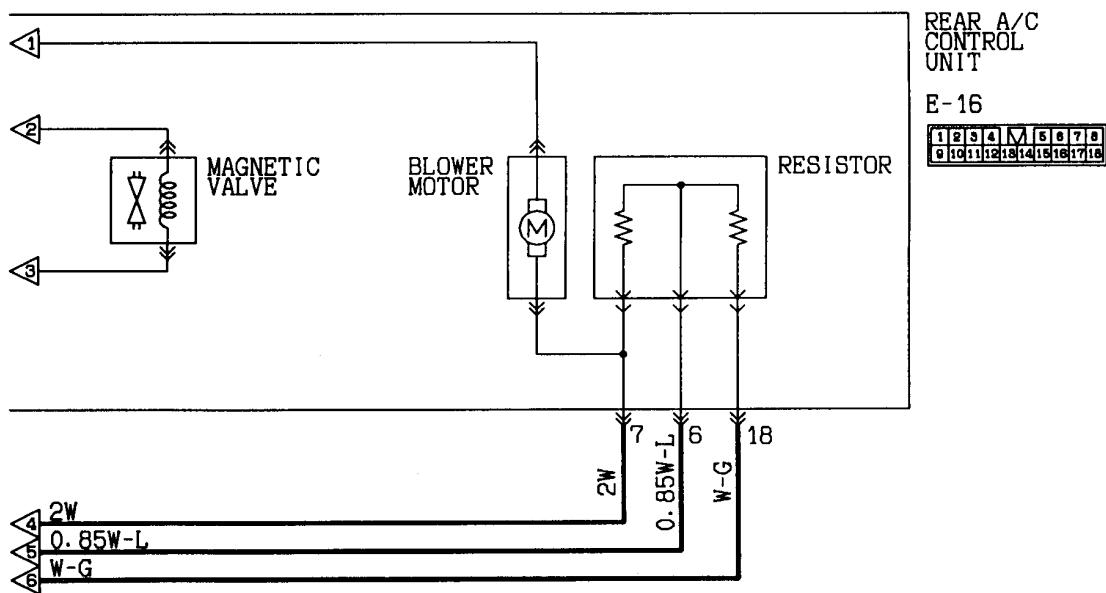
Wire colour code

B:Black
BR:BrownLG:Light green
O:OrangeG:Green
GR:GrayL:Blue
R:RedW:White
P:PinkY:Yellow
V:Violet

SB:Sky blue

DUAL AIR CONDITIONER

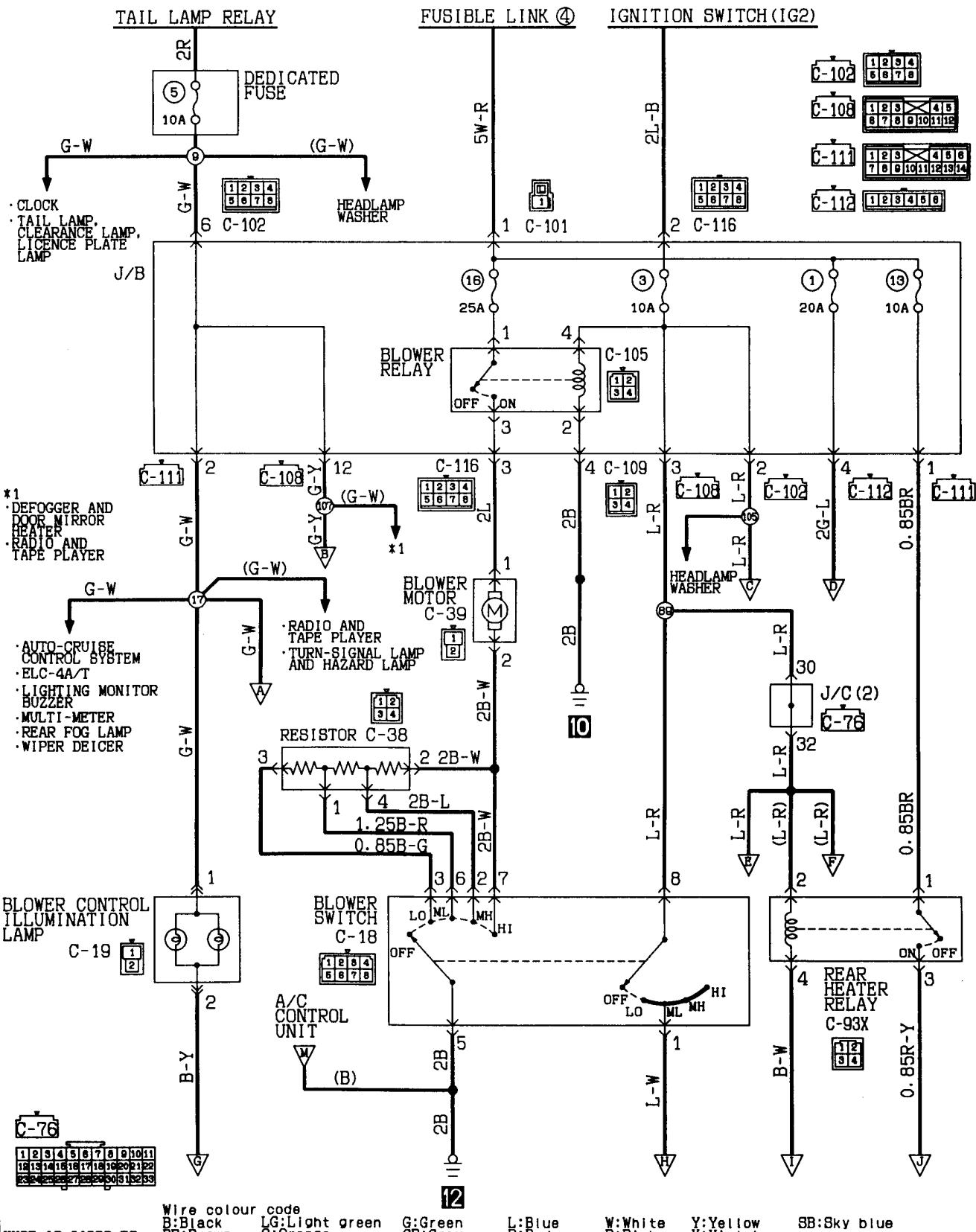
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(petrol-powered vehicles) > (CONTINUED)

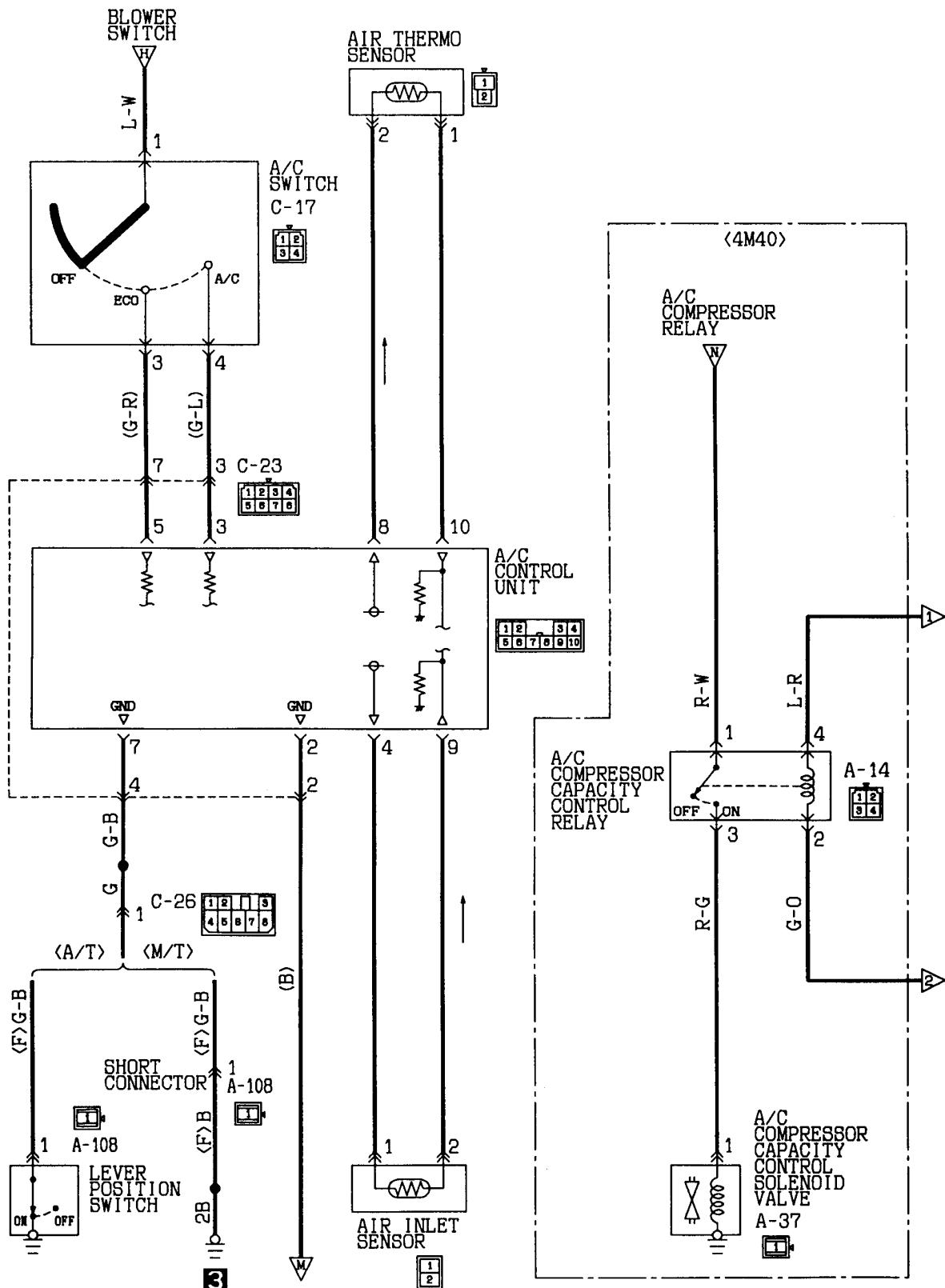


Wire colour code
 B:Black L:Light green G:Green W:White Y:Yellow BB:Sky blue
 BR:Brown O:Orange GR:Gray R:Blue P:Pink V:Violet

DUAL AIR CONDITIONER

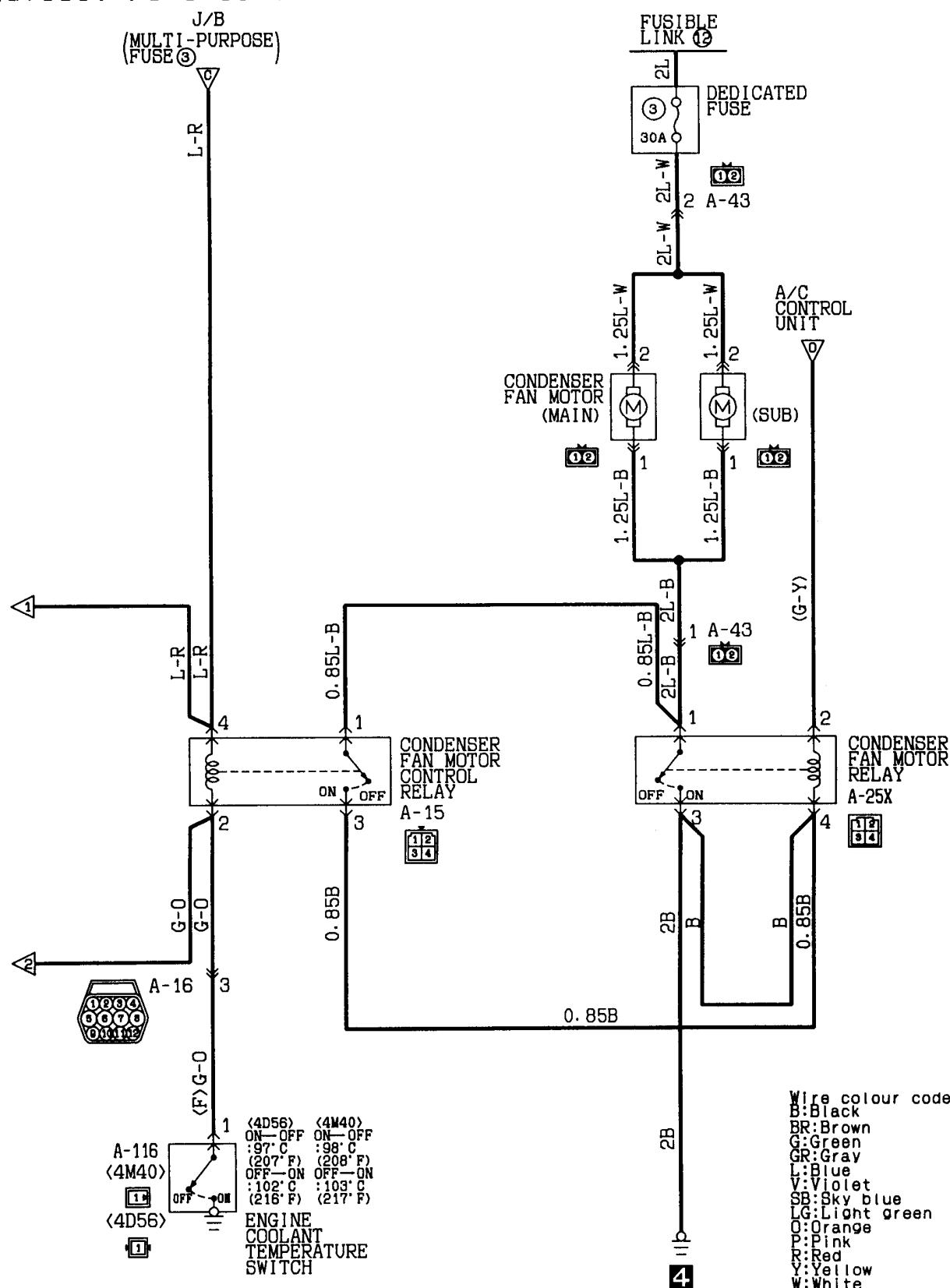
L.H. drive vehicles with rear heater
(diesel-powered vehicles)



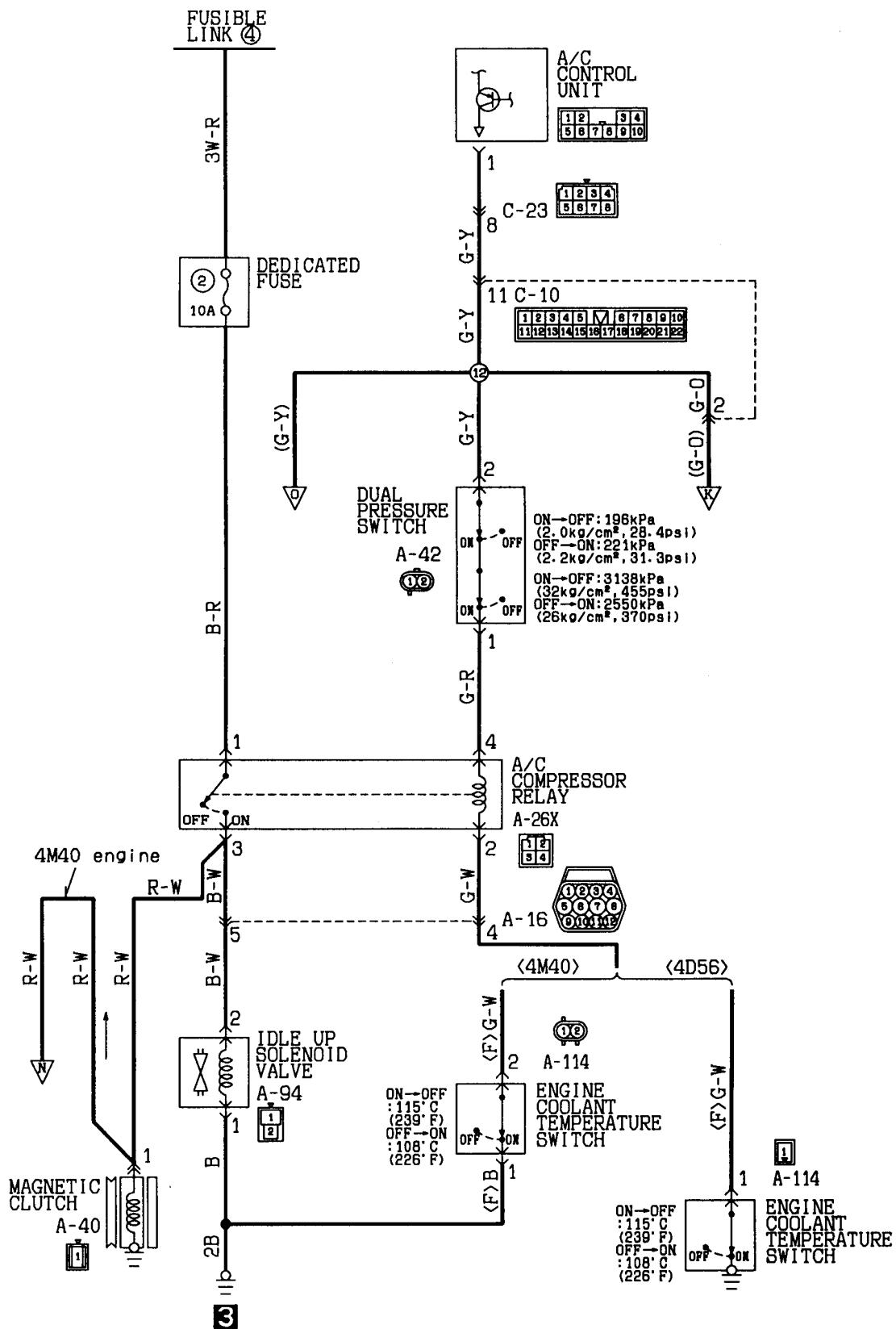


DUAL AIR CONDITIONER

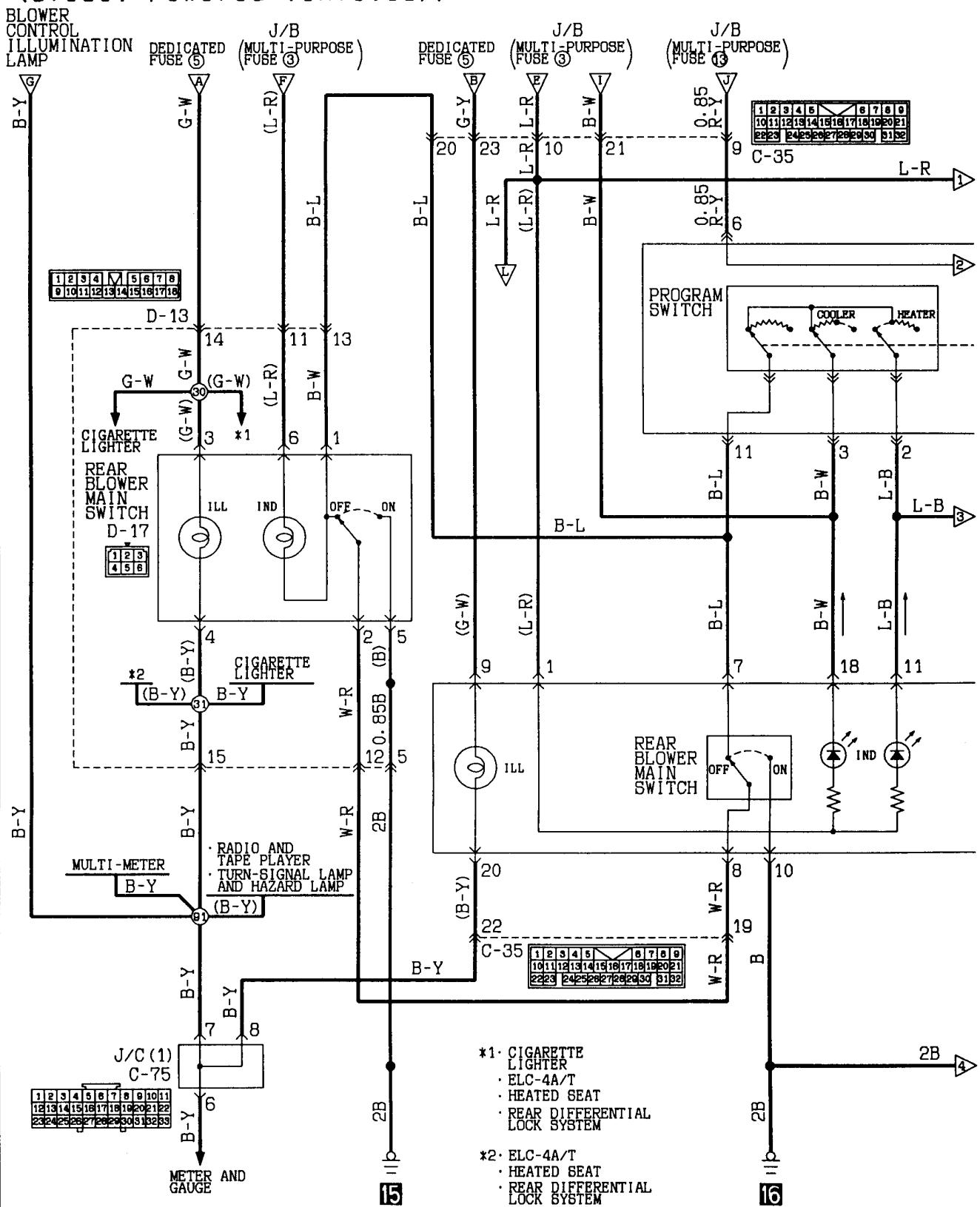
**<L.H. drive vehicles with rear heater
(diesel-powered vehicles)> (CONTINUED)**

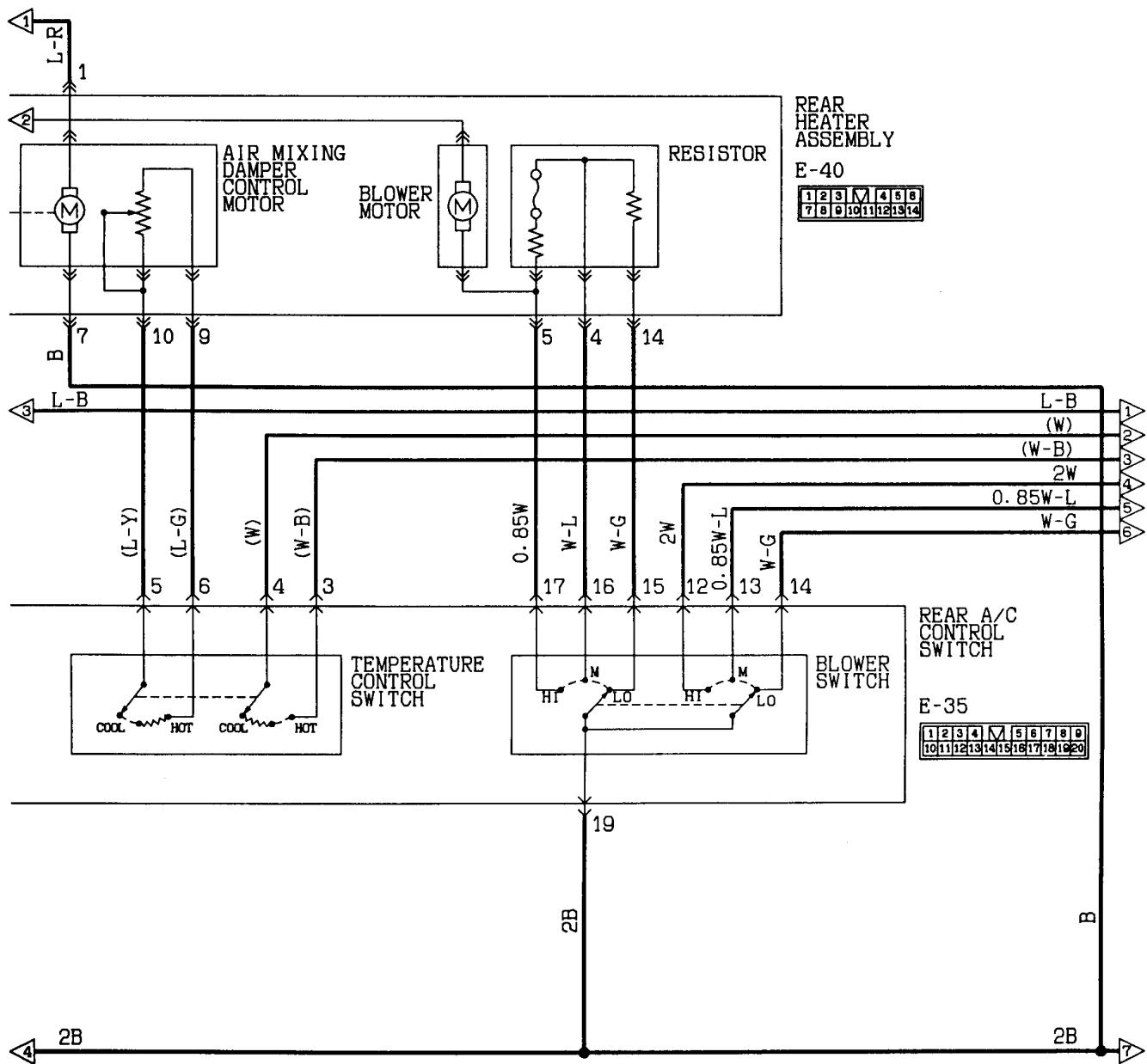


Wire colour code
B:Black
BR:Brown
G:Green
GR:Gray
L:Blue
V:Violet
SB:Sky blue
LG:Light green
O:Orange
P:Pink
R:Red
Y:Yellow
W:White



DUAL AIR CONDITIONER

< L. H. drive vehicles without rear heater
(diesel-powered vehicles) >

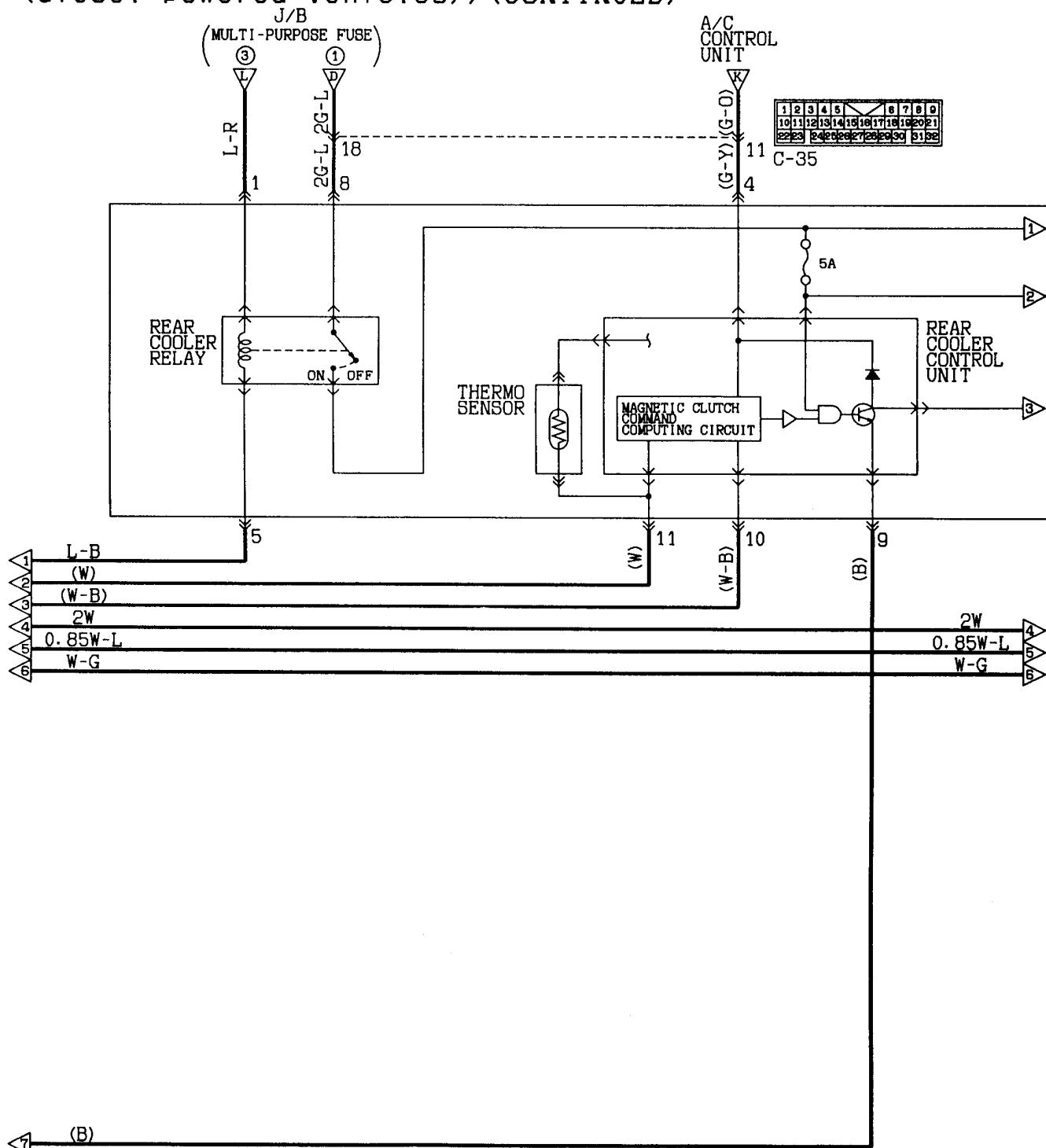


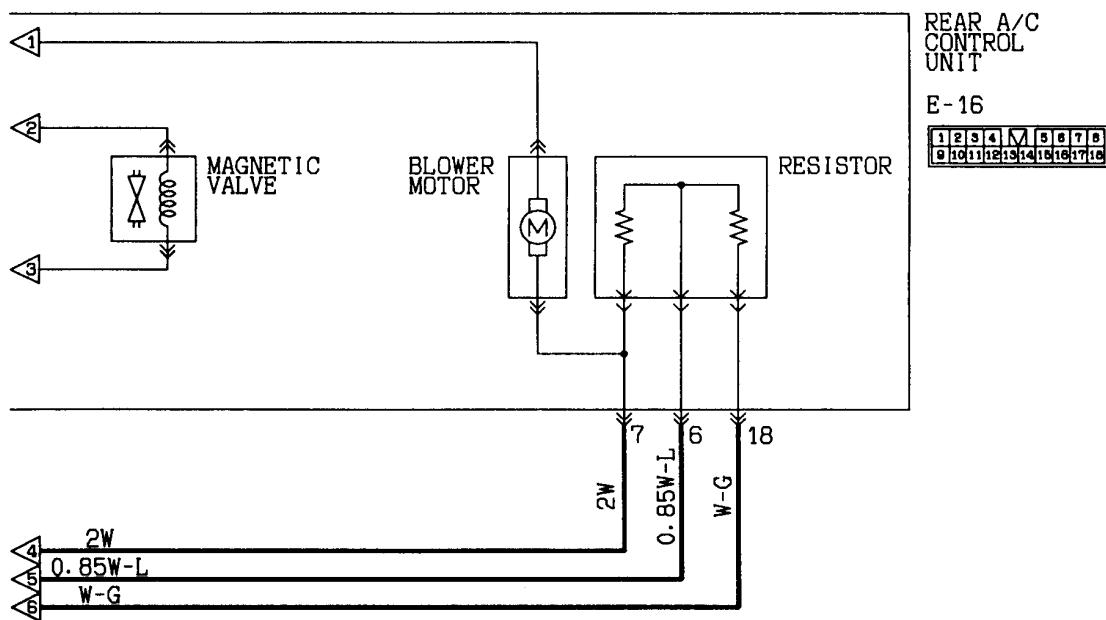
Wire colour code

B:Black
BR:Brown
LG:Light green
O:Orange
G:Green
GR:GrayL:Blue
R:RedW:White
P:PinkY:Yellow
V:Violet

SB:Sky blue

DUAL AIR CONDITIONER
<L.H. drive vehicles with rear heater
(diesel-powered vehicles) > (CONTINUED)

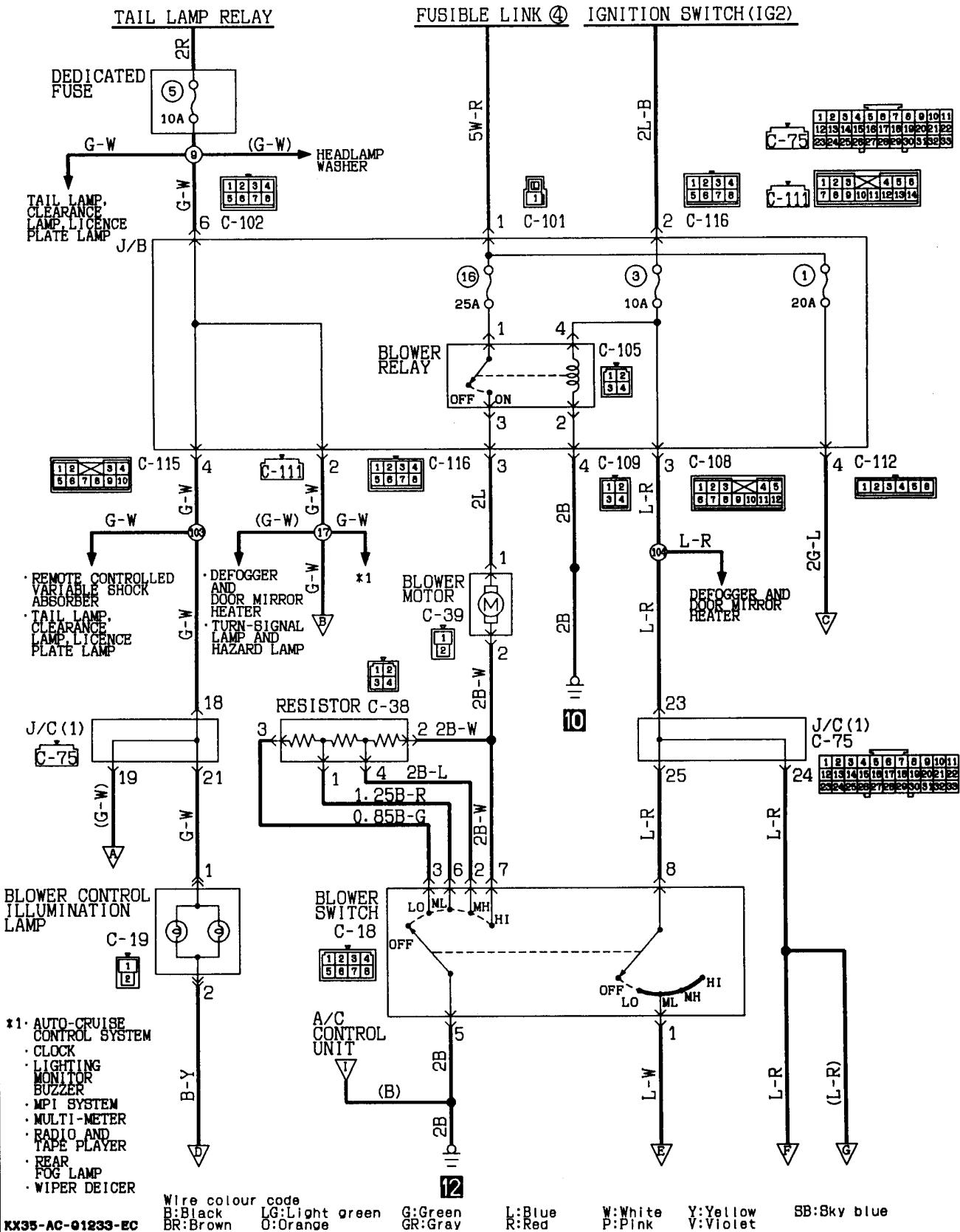


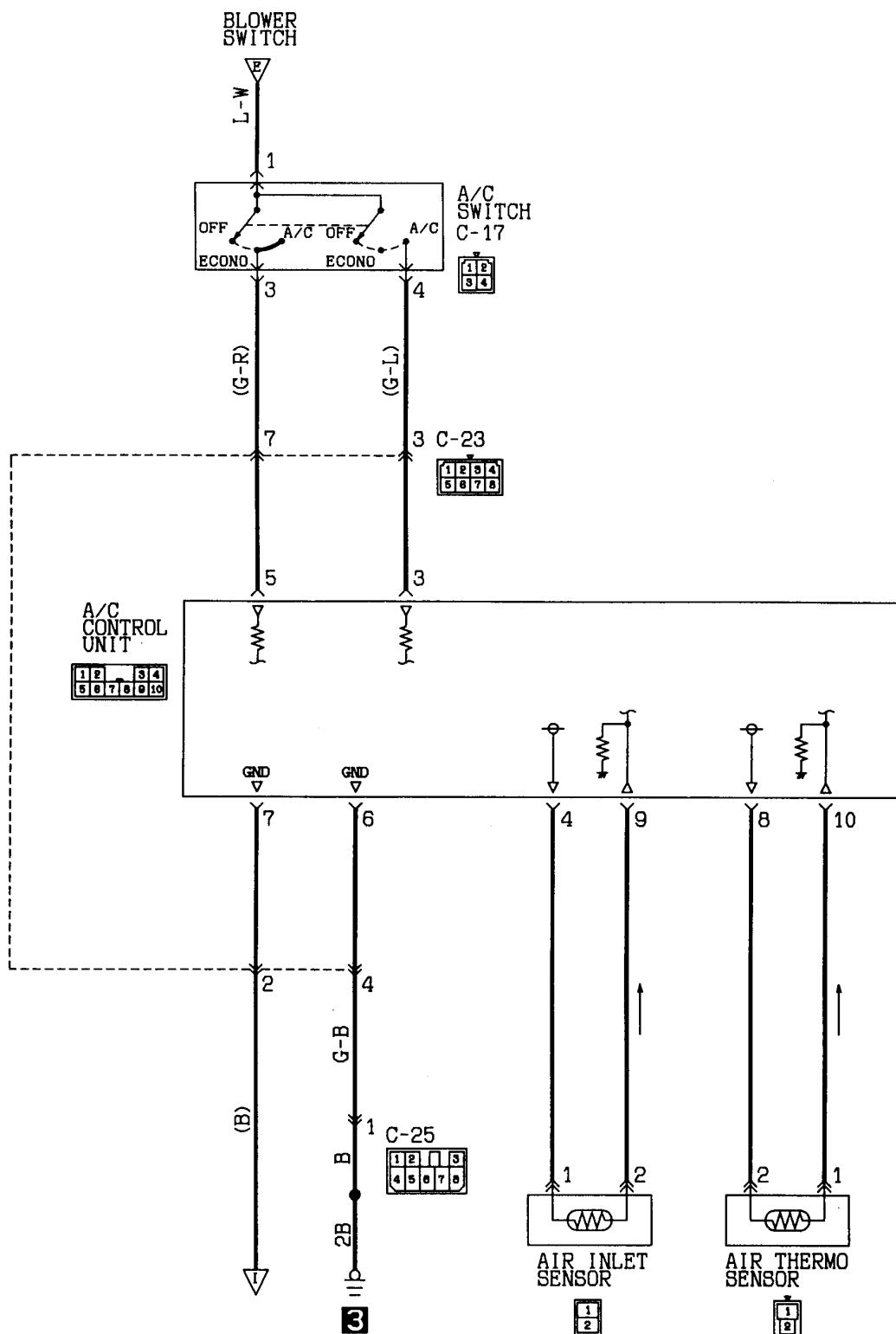


Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

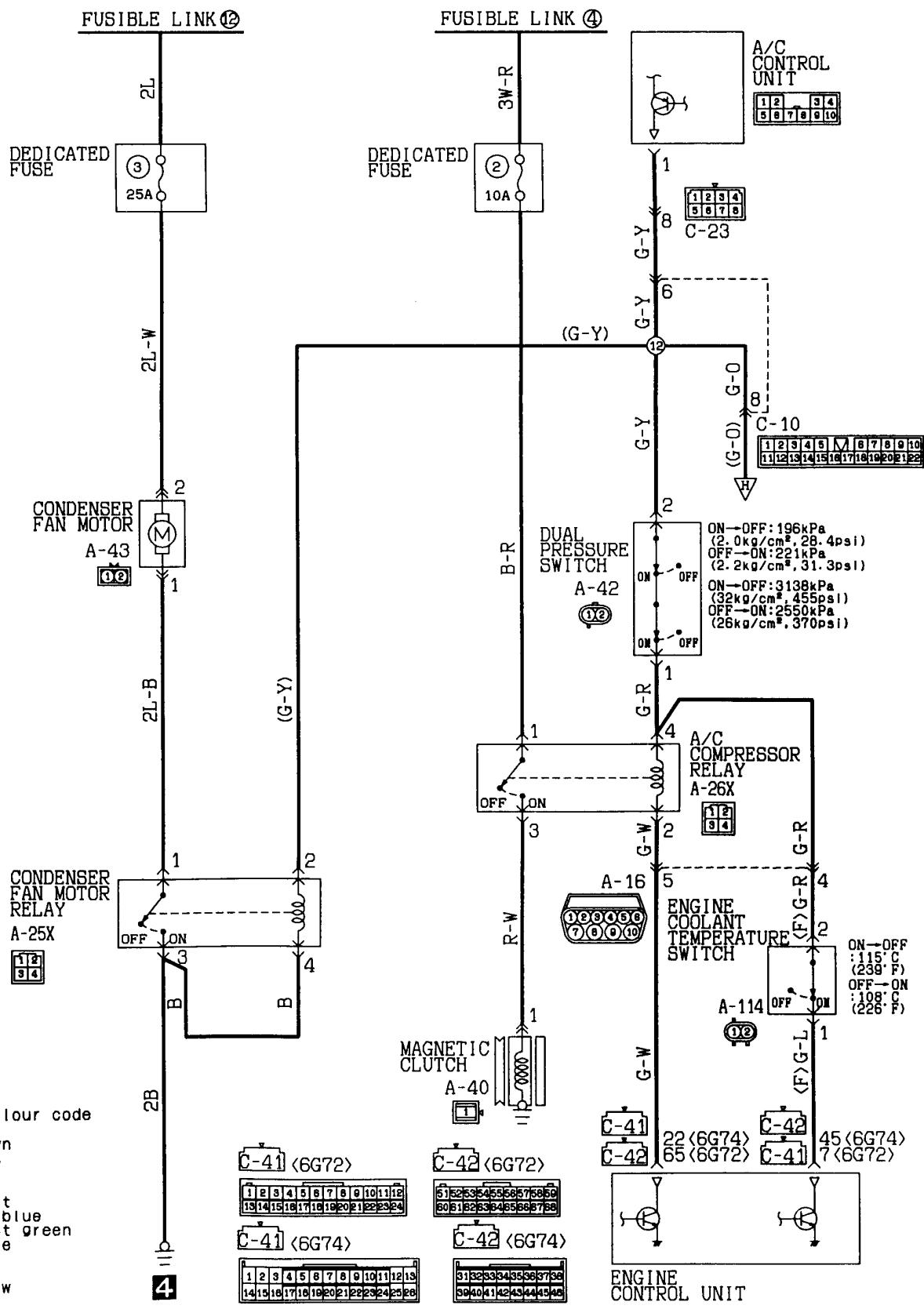
DUAL AIR CONDITIONER

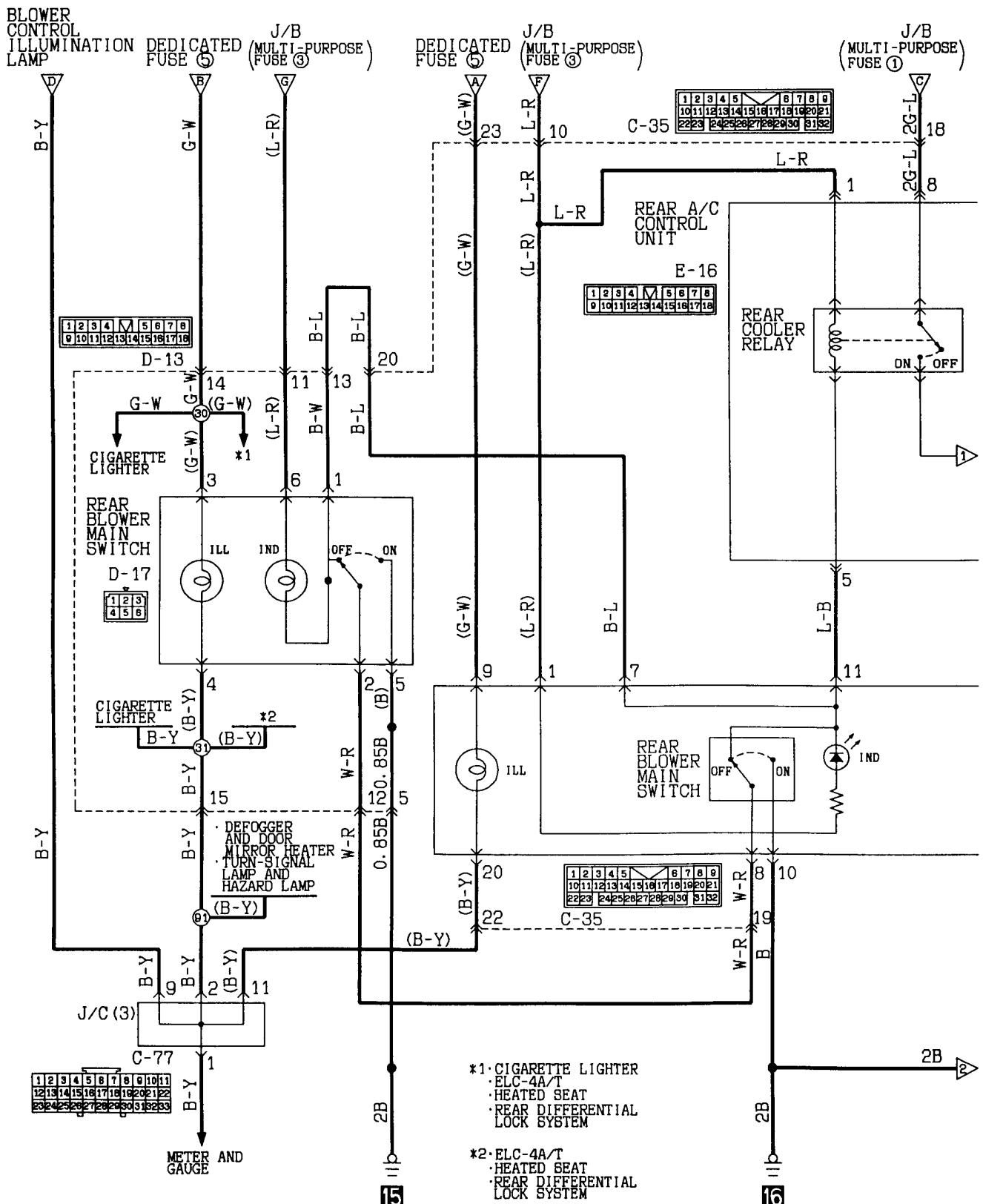
R.H. drive vehicles without rear heater
(petrol-powered vehicles)



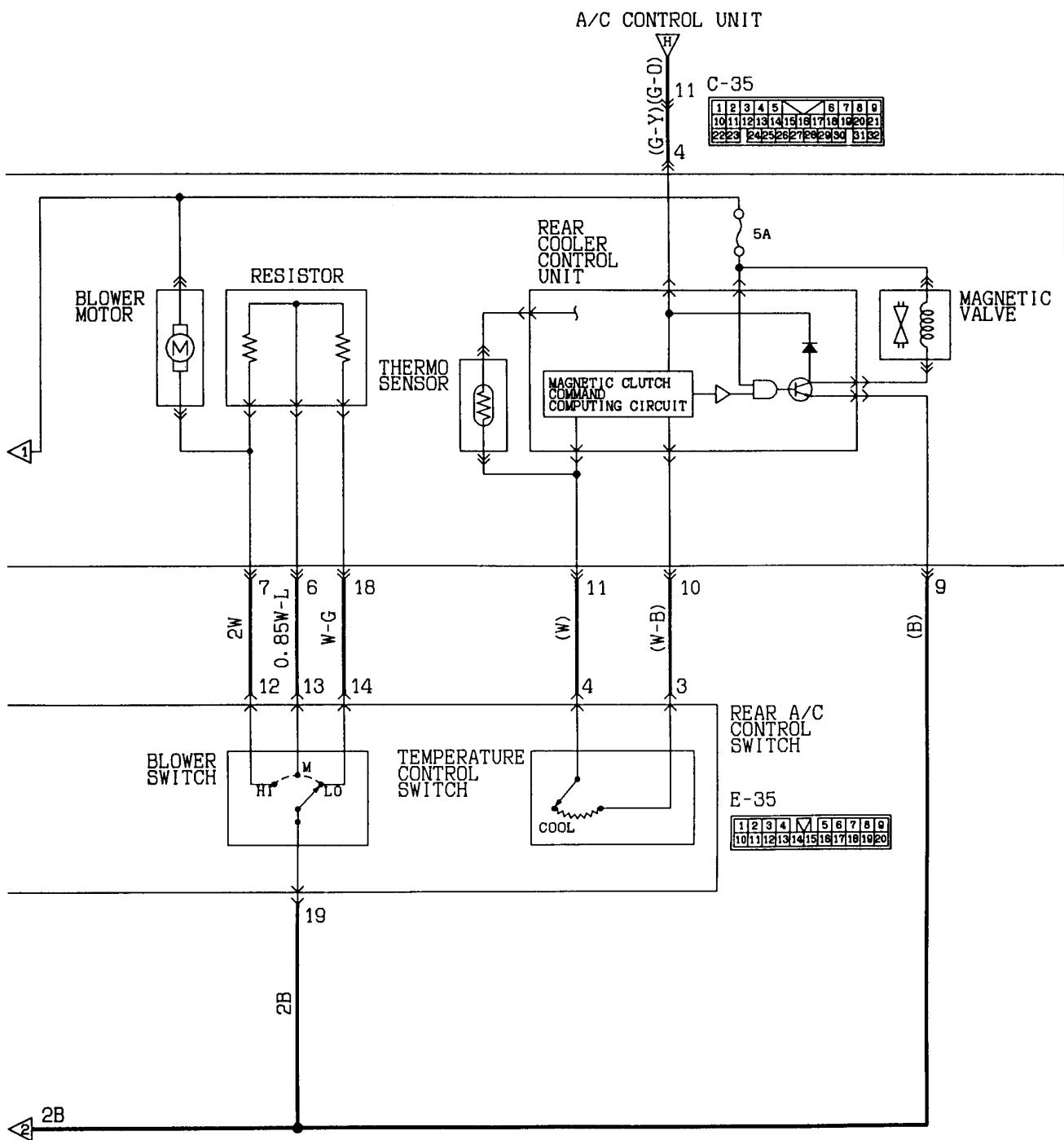


DUAL AIR CONDITIONER

< R.H. drive vehicles without rear heater
(petrol-powered vehicles) > (CONTINUED)



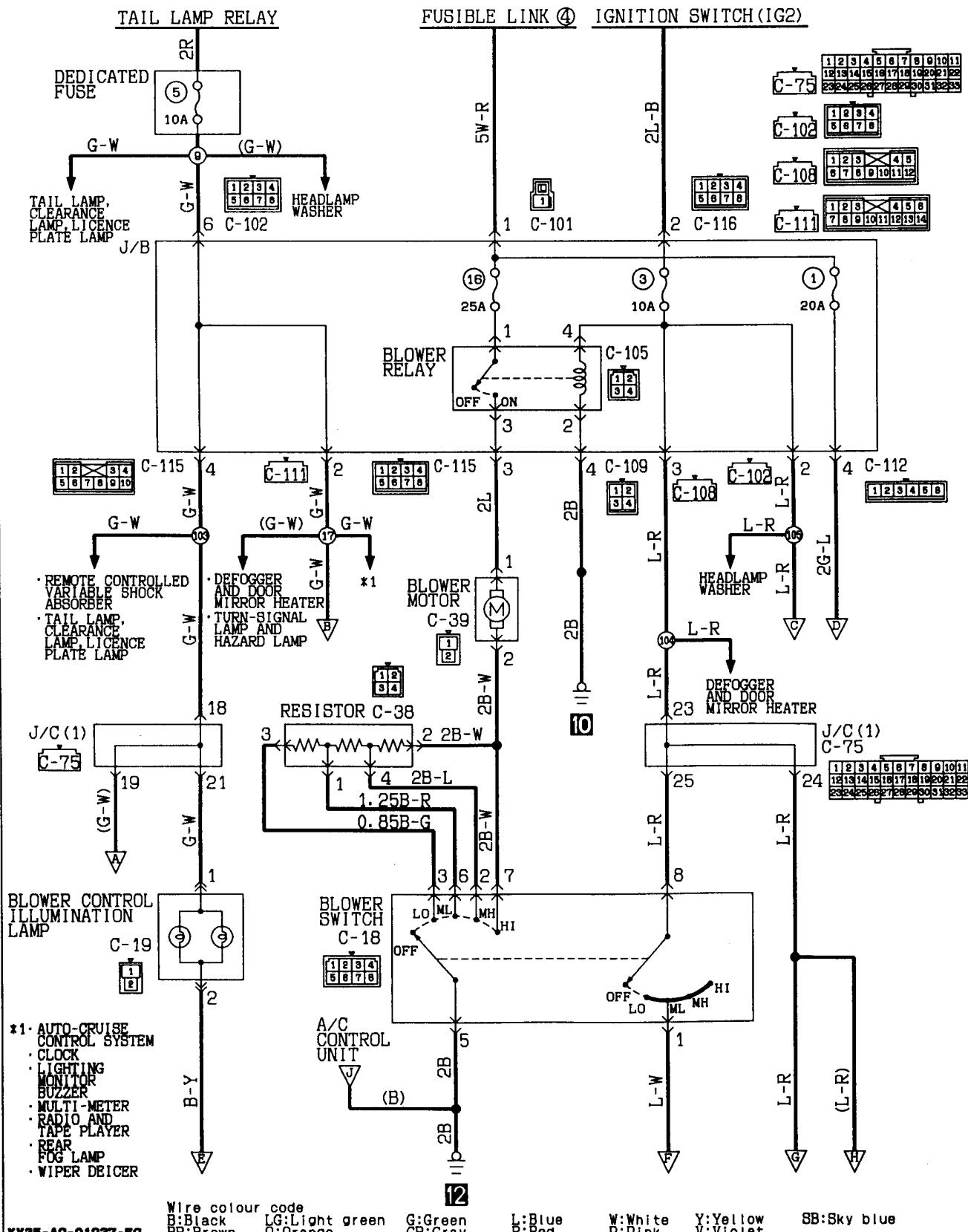
DUAL AIR CONDITIONER
 < R. H. drive vehicles without rear heater
 (petrol-powered vehicles) > (CONTINUED)



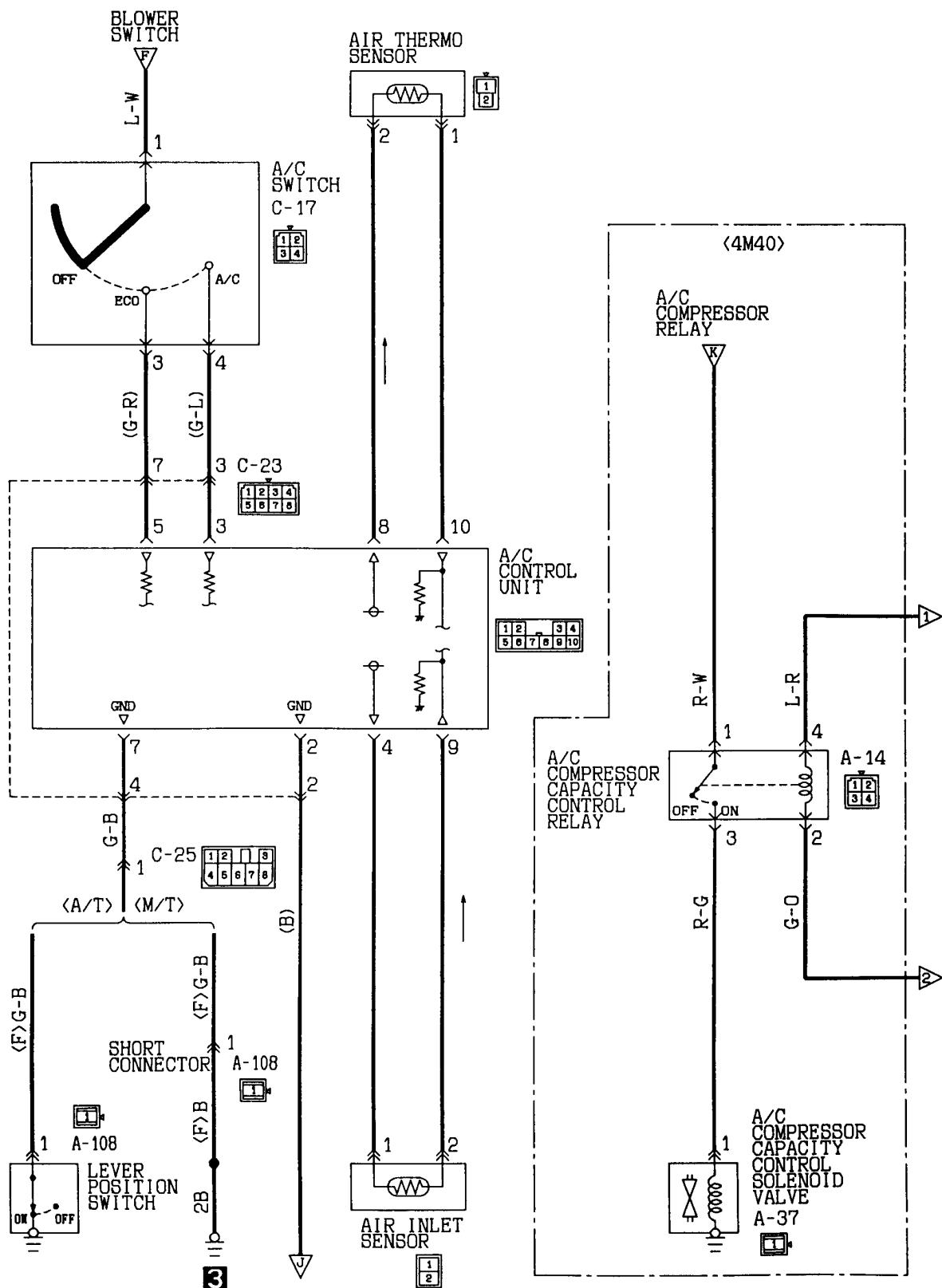
Wire colour code
 B:Black LG:Light green G:Green GR:Gray L:Blue W:White P:Pink Y:Yellow SB:Sky blue
 BR:Brown O:Orange

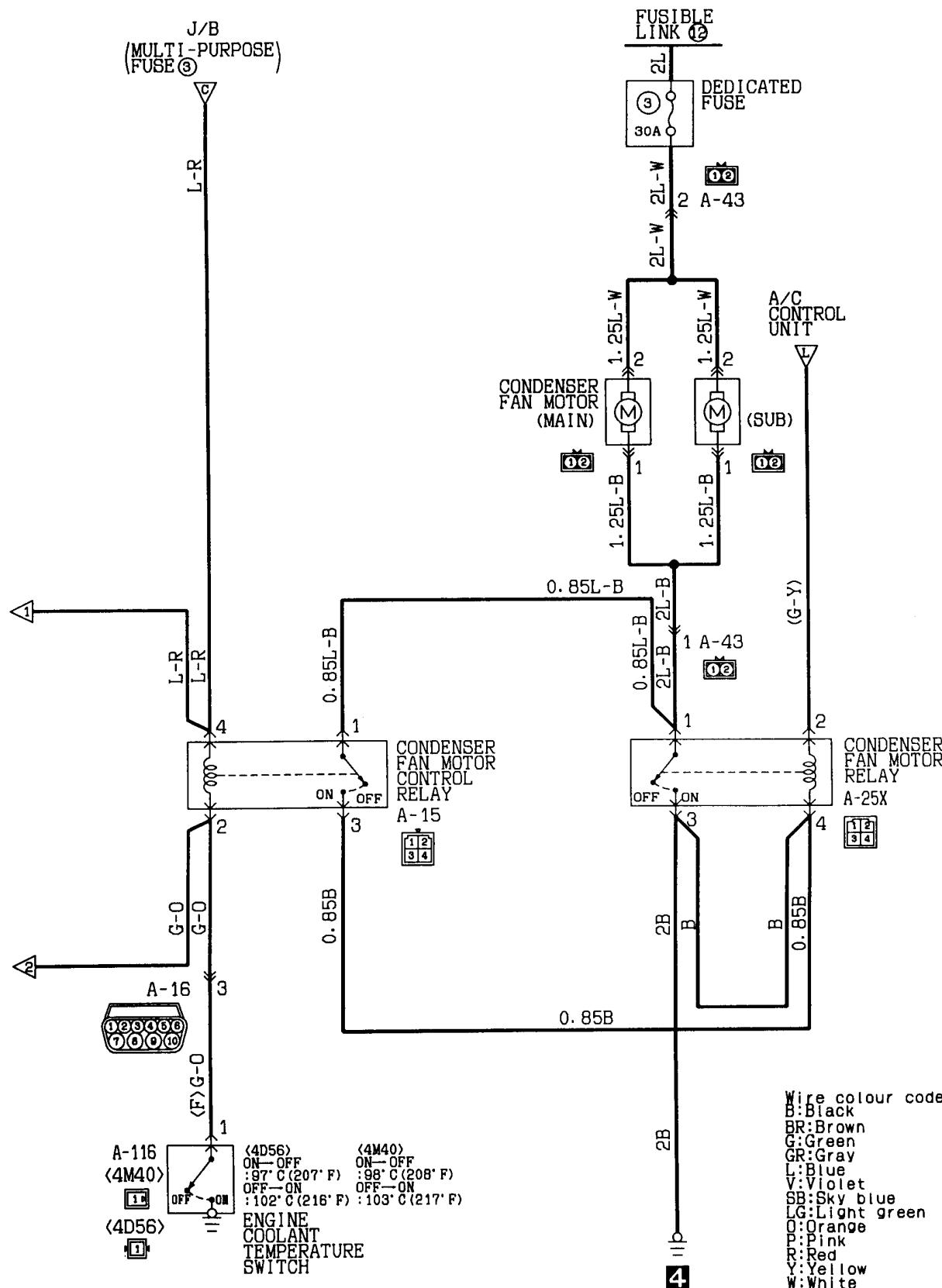
DUAL AIR CONDITIONER

R.H. drive vehicles without rear heater
<diesel-powered vehicles>

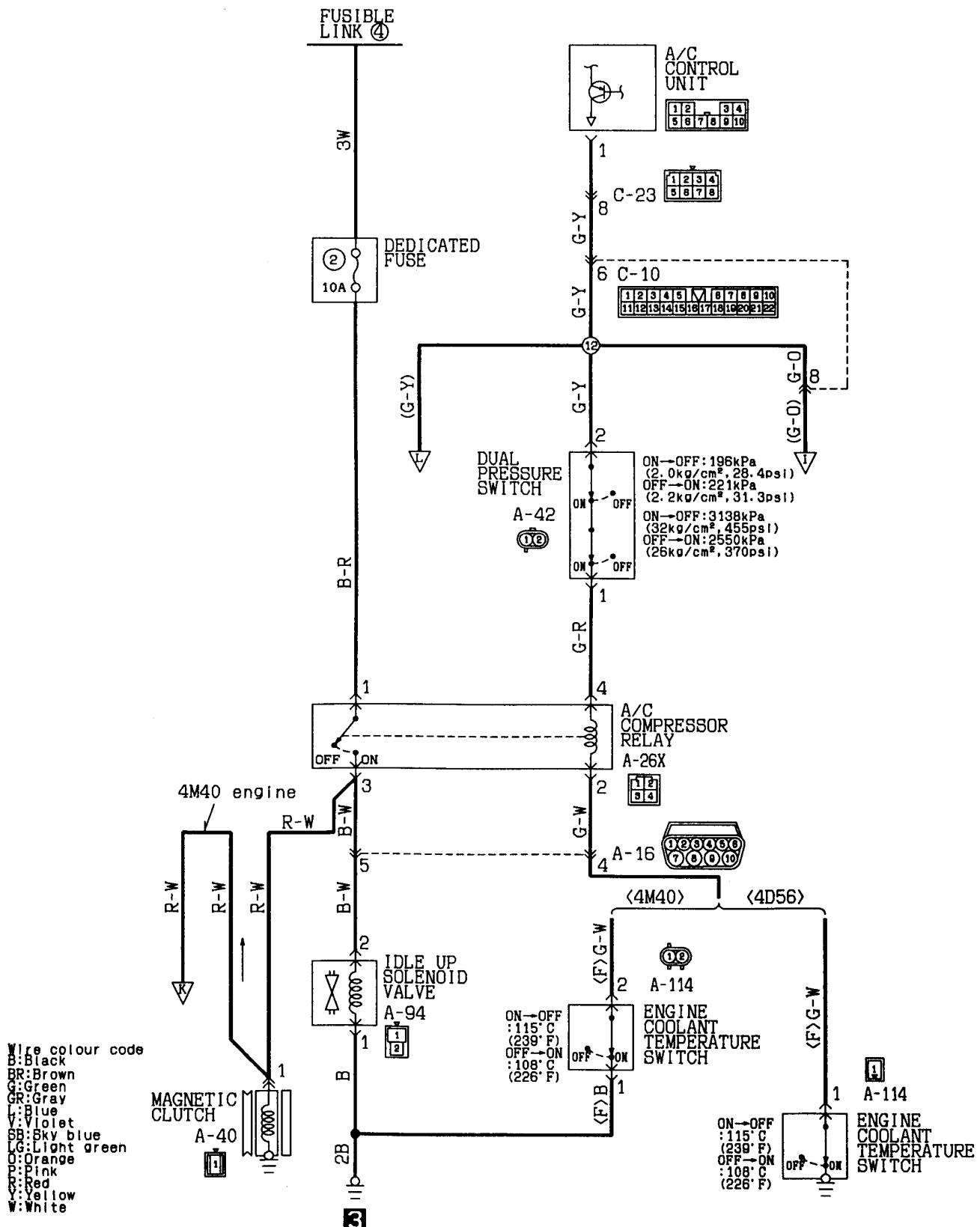


DUAL AIR CONDITIONER

< R. H. drive vehicles without rear heater
(diesel-powered vehicles) > (CONTINUED)

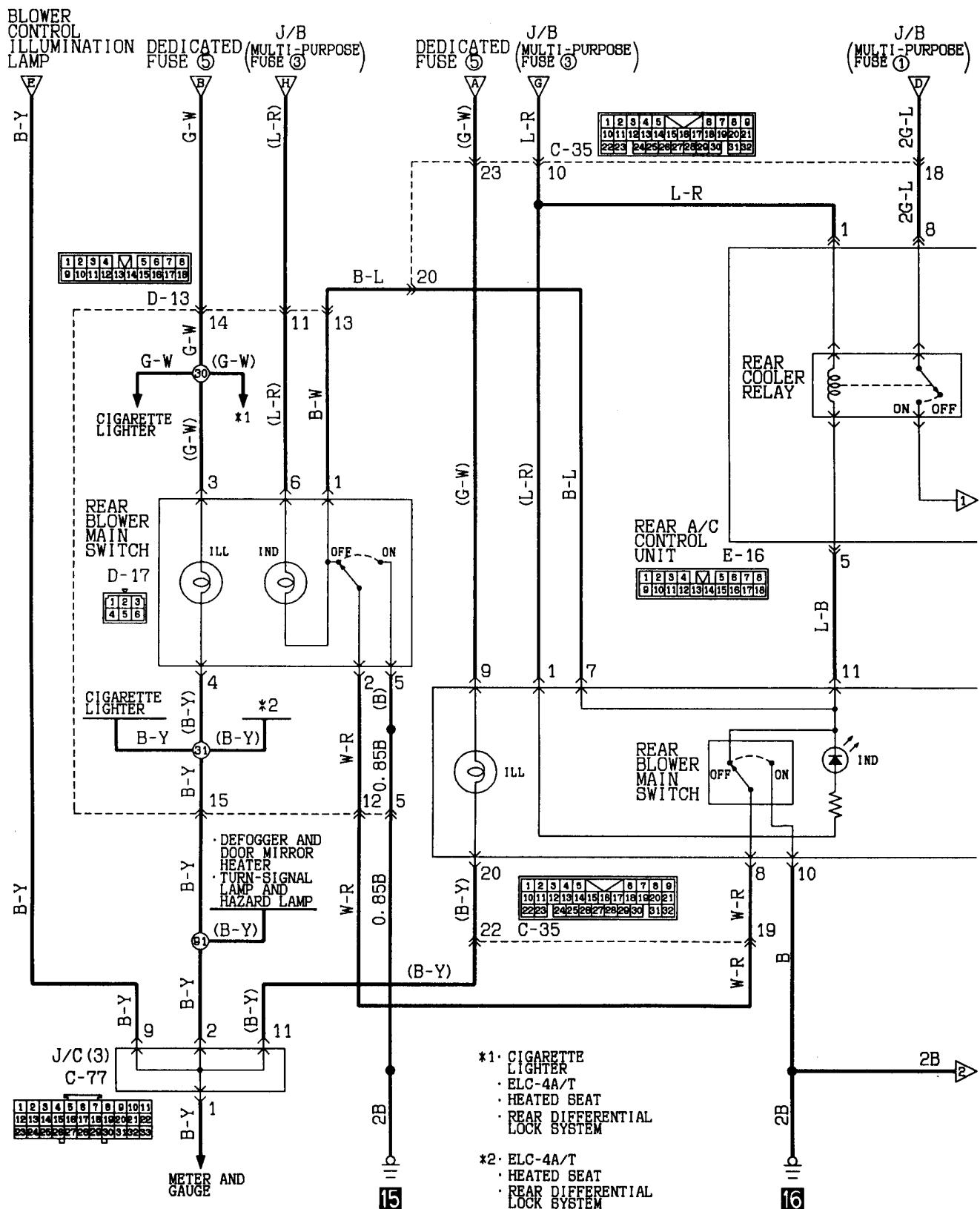


DUAL AIR CONDITIONER

< R.H. drive vehicles without rear heater
(diesel-powered vehicles) > (CONTINUED)

CIRCUIT DIAGRAM

4A-243



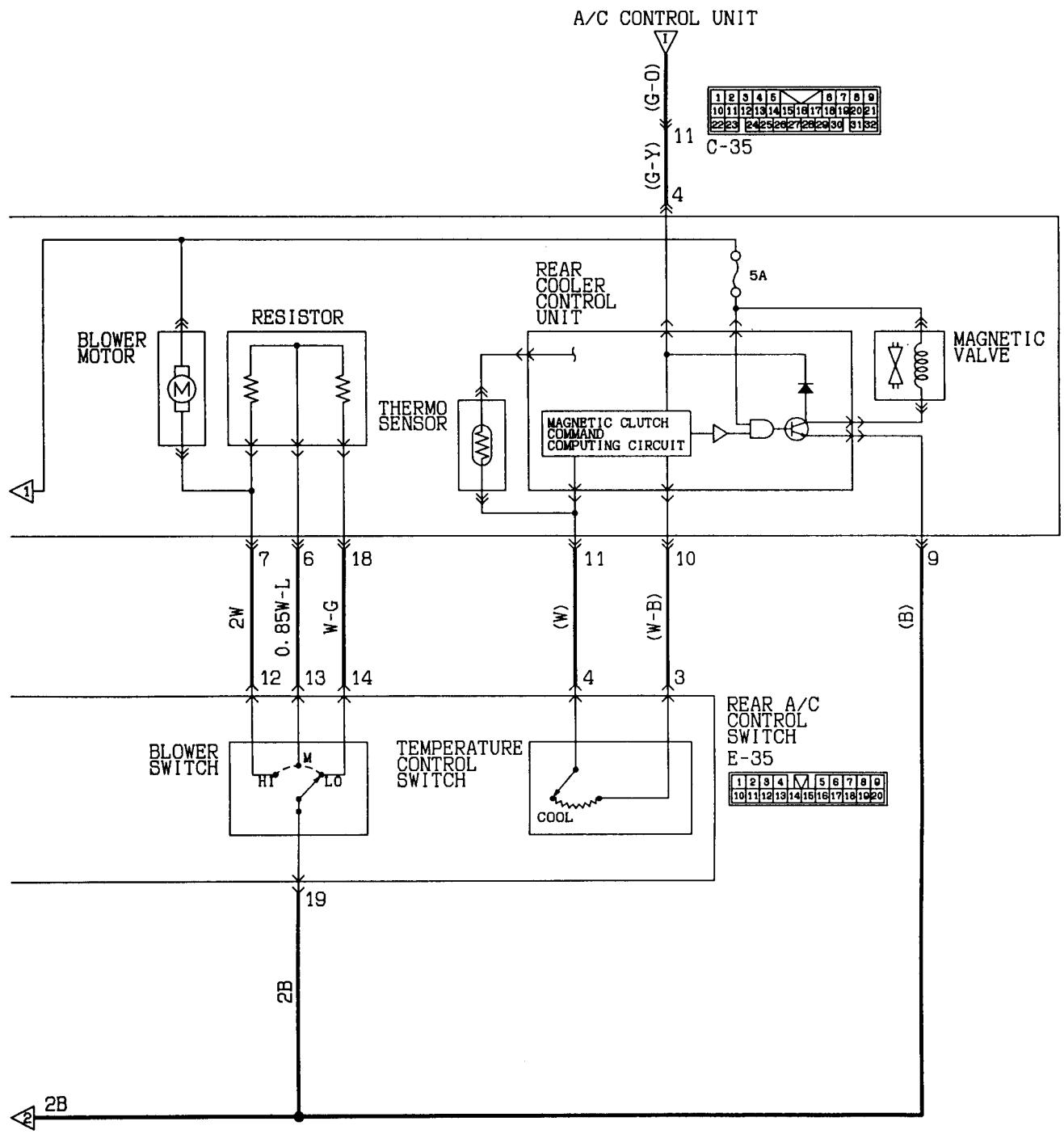
KX35-AC-Q1237C-EC

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PHJE9026-C

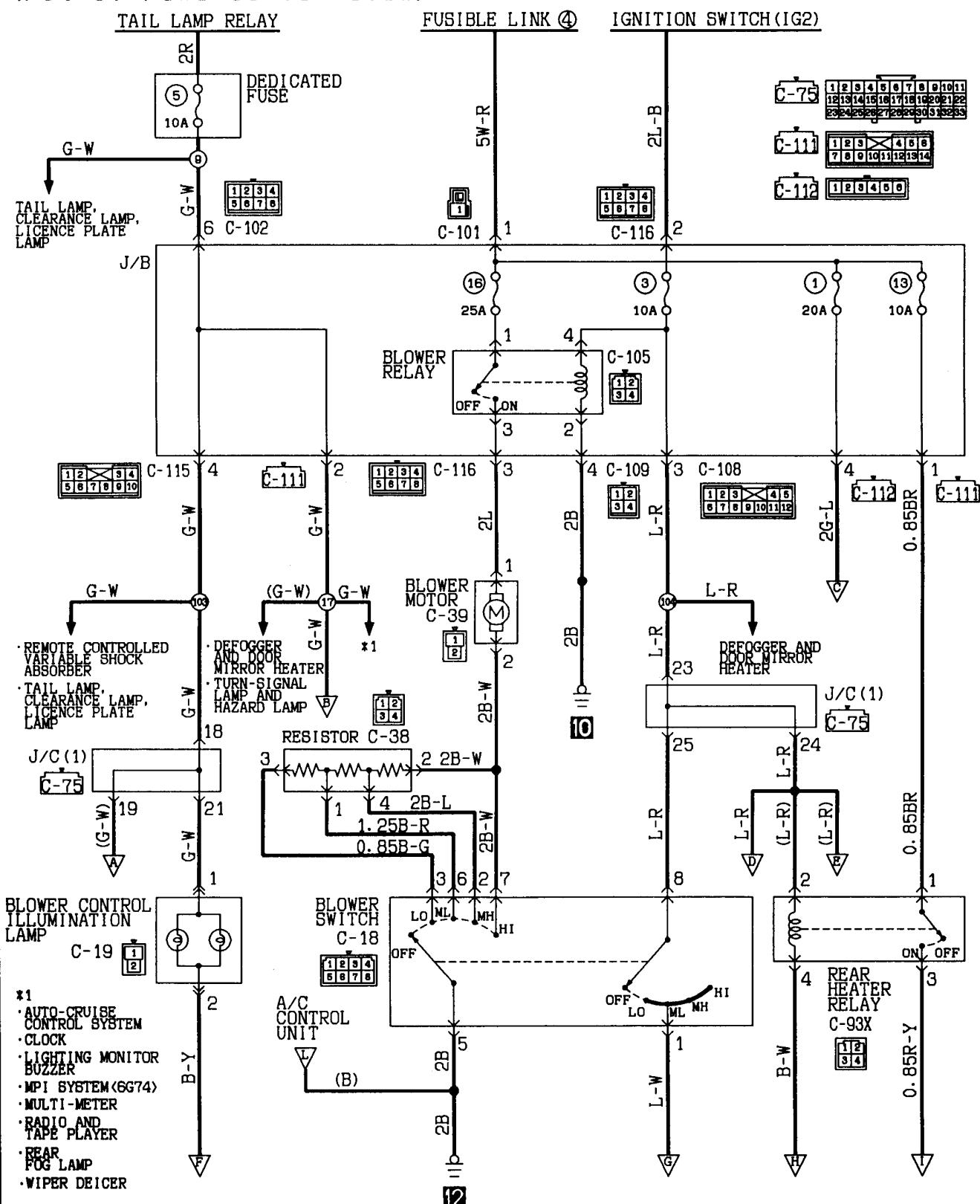
ADDED

DUAL AIR CONDITIONER
 {R.H. drive vehicles without rear heater
 (diesel-powered vehicles)} (CONTINUED)

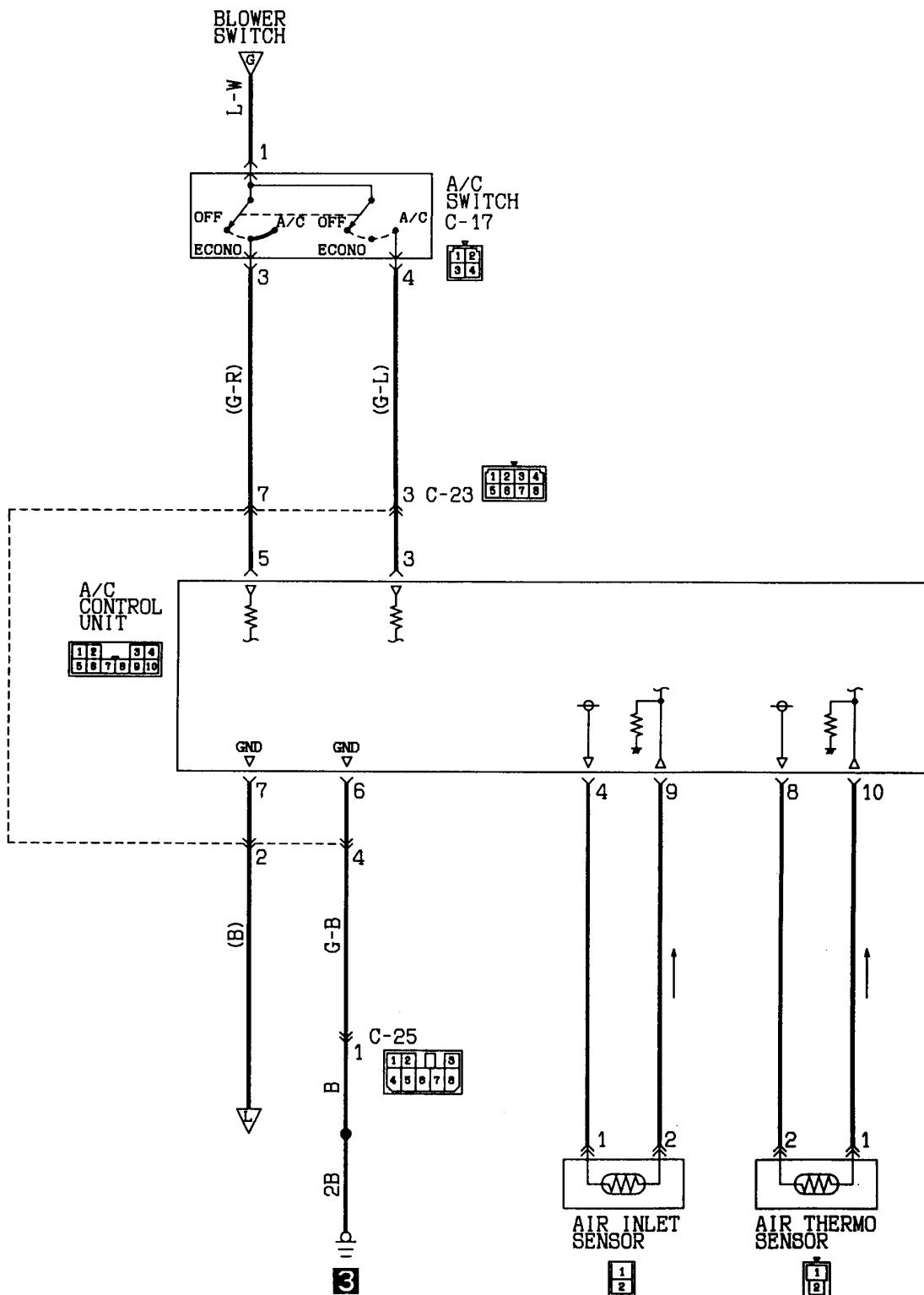


Wire colour code
 B:Black LG:Light green G:Green L:Blue
 BR:Brown O:Orange GR:Gray R:Red W:White P:Pink Y:Yellow SB:Sky blue

DUAL AIR CONDITIONER

R.H. drive vehicles with rear heater
(petrol-powered vehicles)

DUAL AIR CONDITIONER

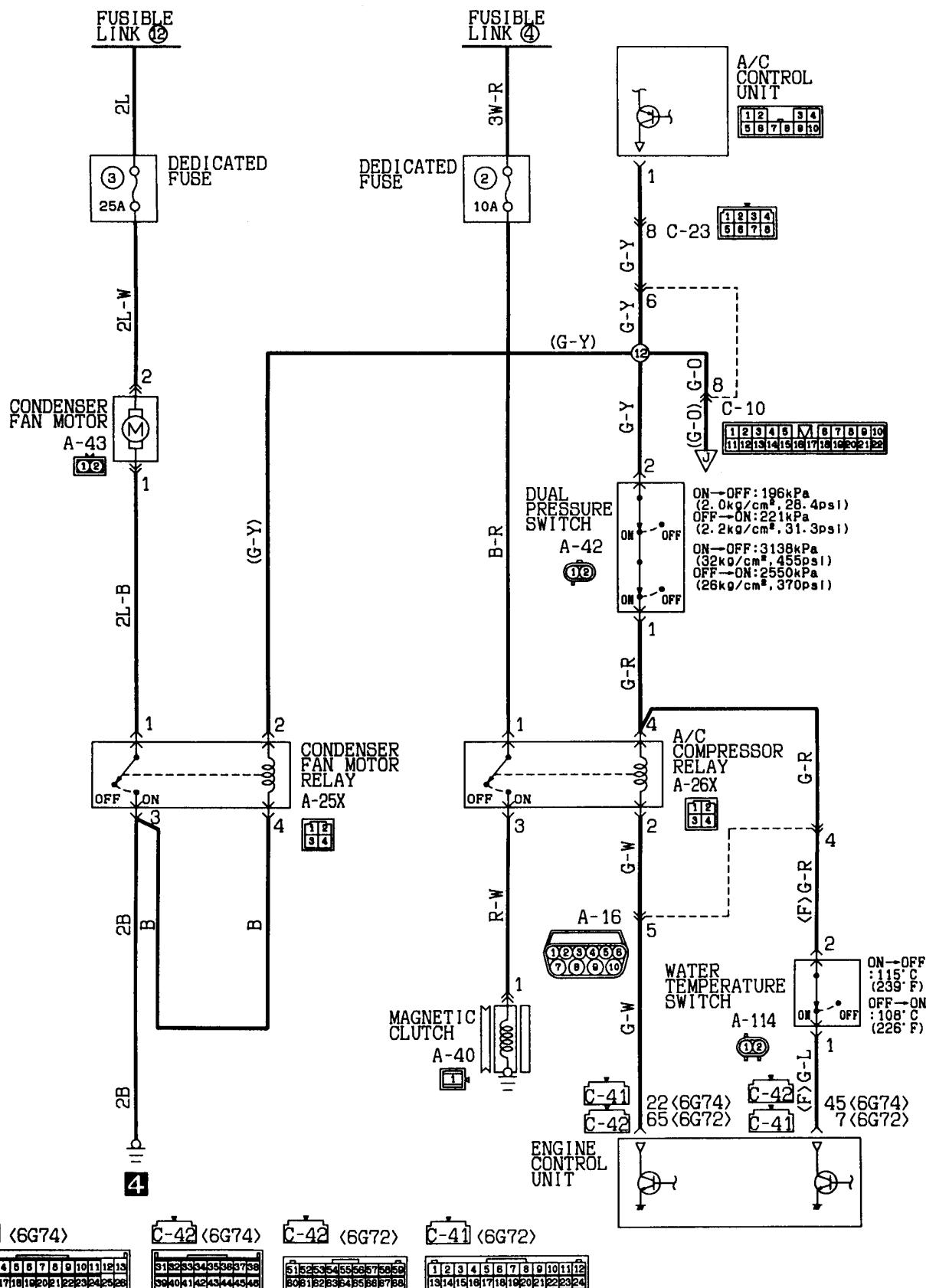
< R.H. drive vehicles with rear heater
(petrol-powered vehicles) > (CONTINUED)

Wire colour code

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

CIRCUIT DIAGRAM

4A-247



C-41 <6G74>

C-42 <6G74>

C-42 <6G72>

C-41 <6G72>

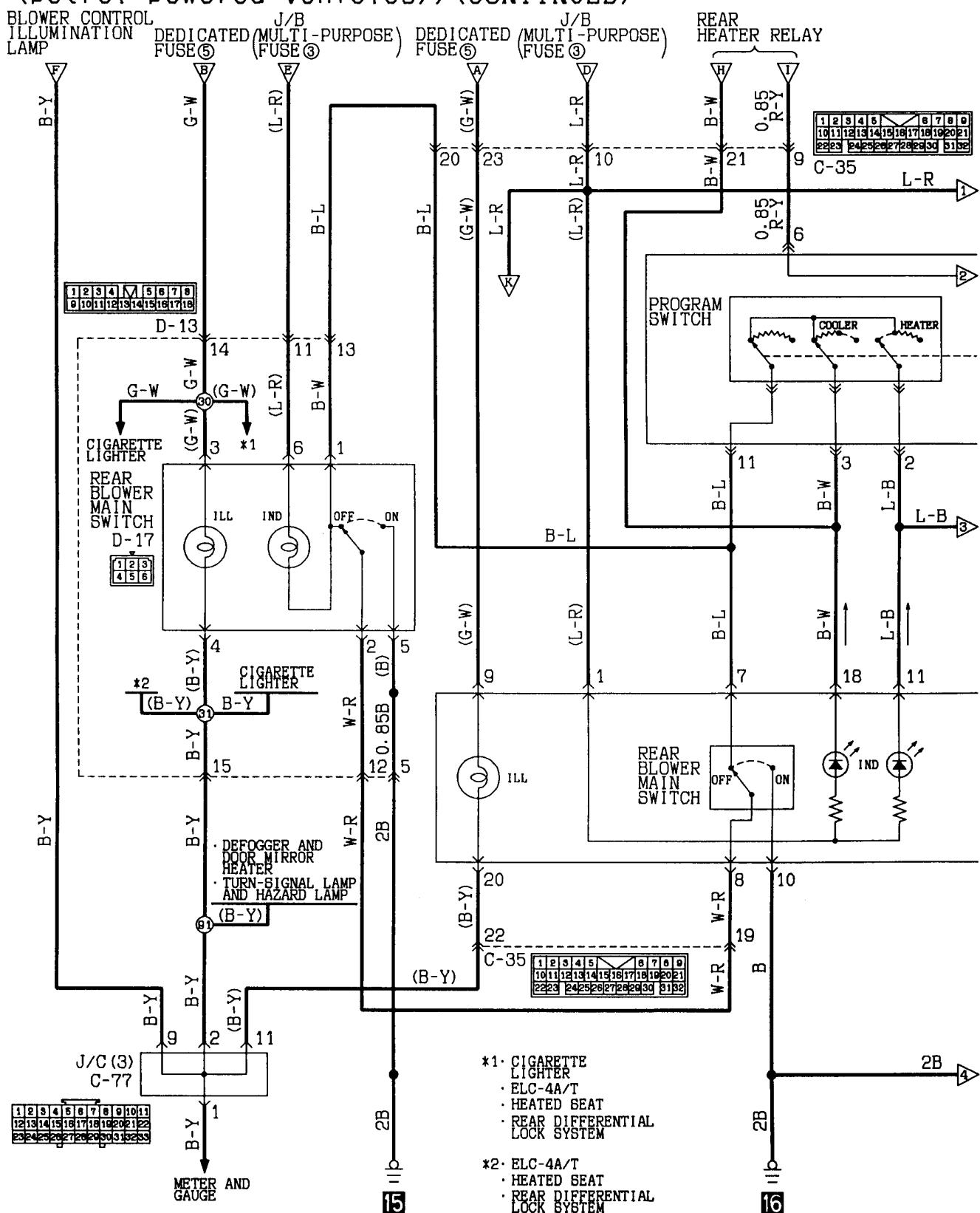
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26

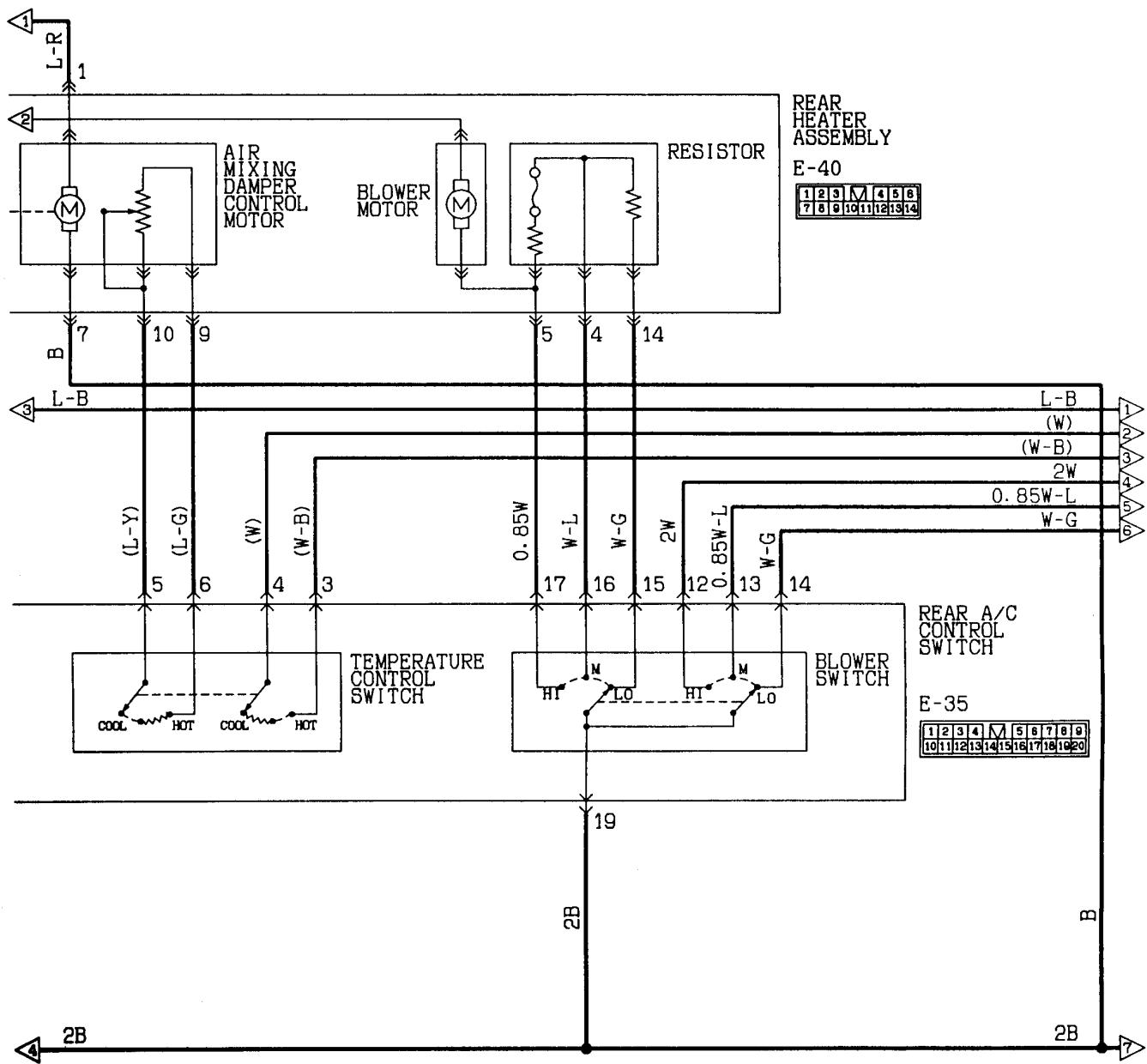
31 32 33 34 35 36 37 38
39 40 41 42 43 44 45 46

515253545556575859
303132333435363738

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

DUAL AIR CONDITIONER

< R. H. drive vehicles with rear heater
(petrol-powered vehicles) > (CONTINUED)



Wire colour code

B:Black BR:Brown

LG:Light green O:Orange

G:Green GR:Gray

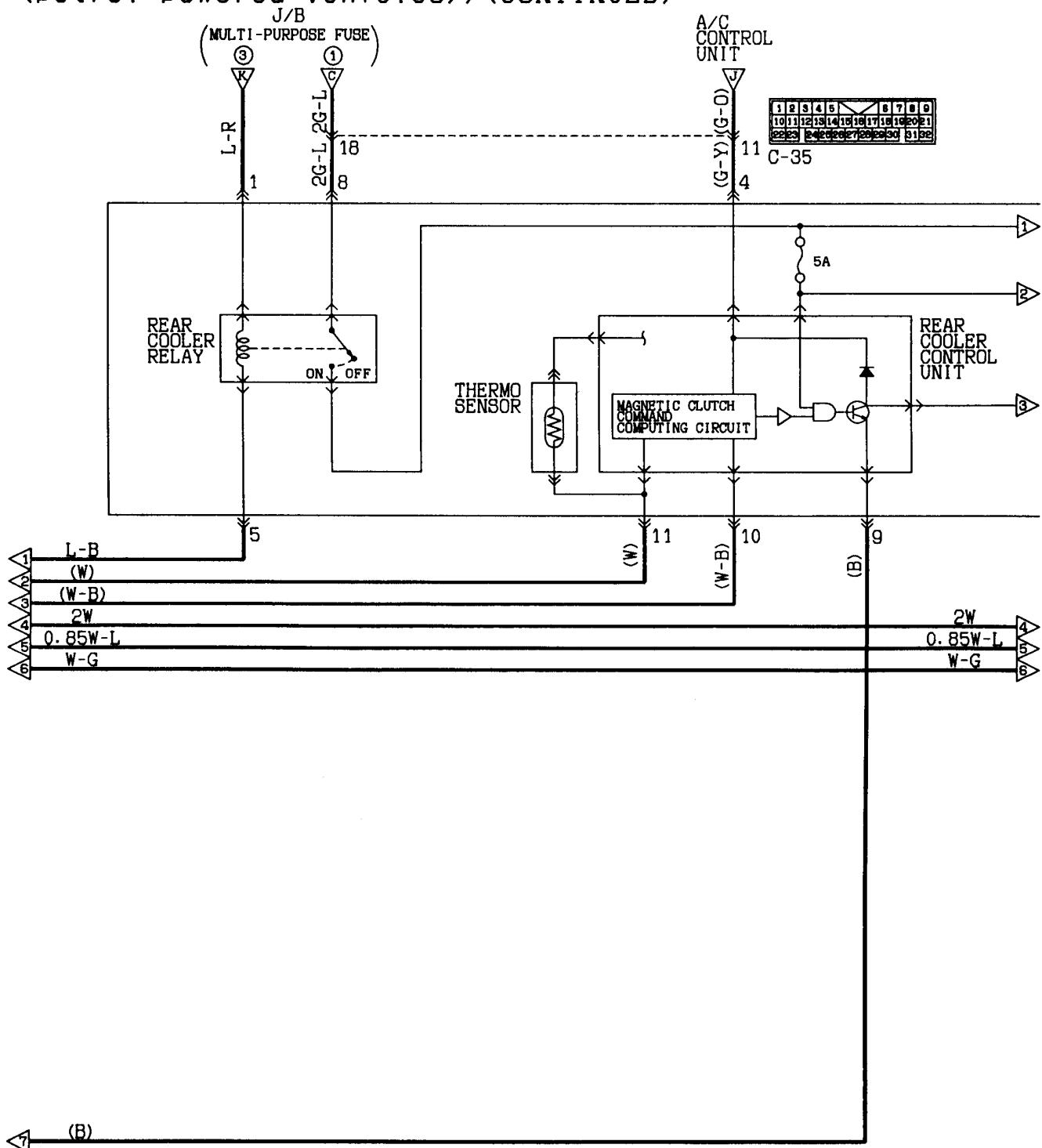
L:Blue R:Red

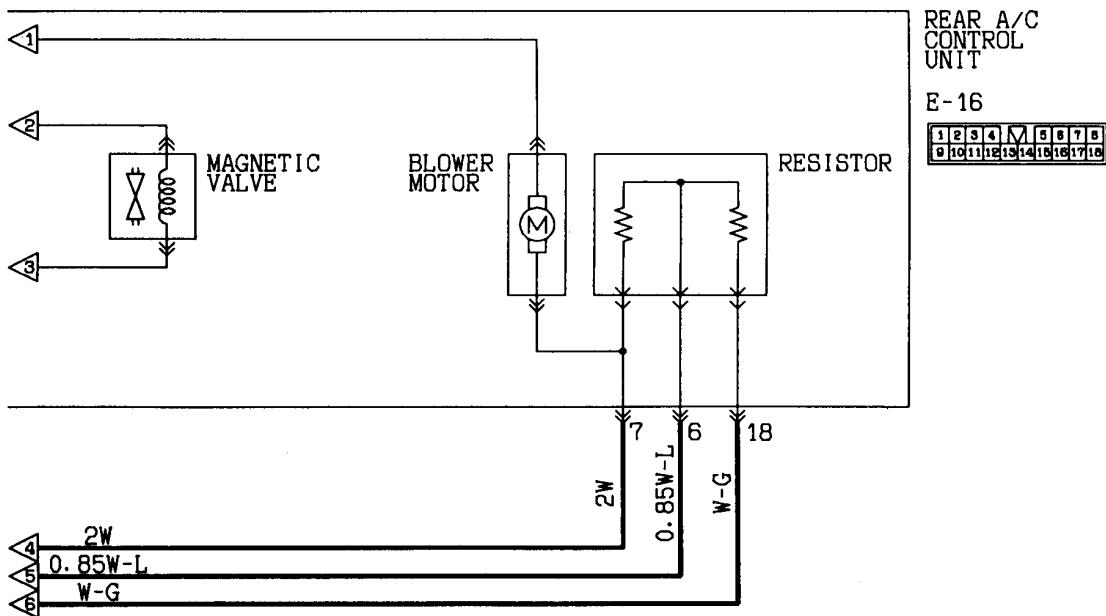
W:White P:Pink

Y:Yellow V:Violet

SB:Sky blue

DUAL AIR CONDITIONER
 <R.H. drive vehicles with rear heater
 (petrol-powered vehicles) > (CONTINUED)

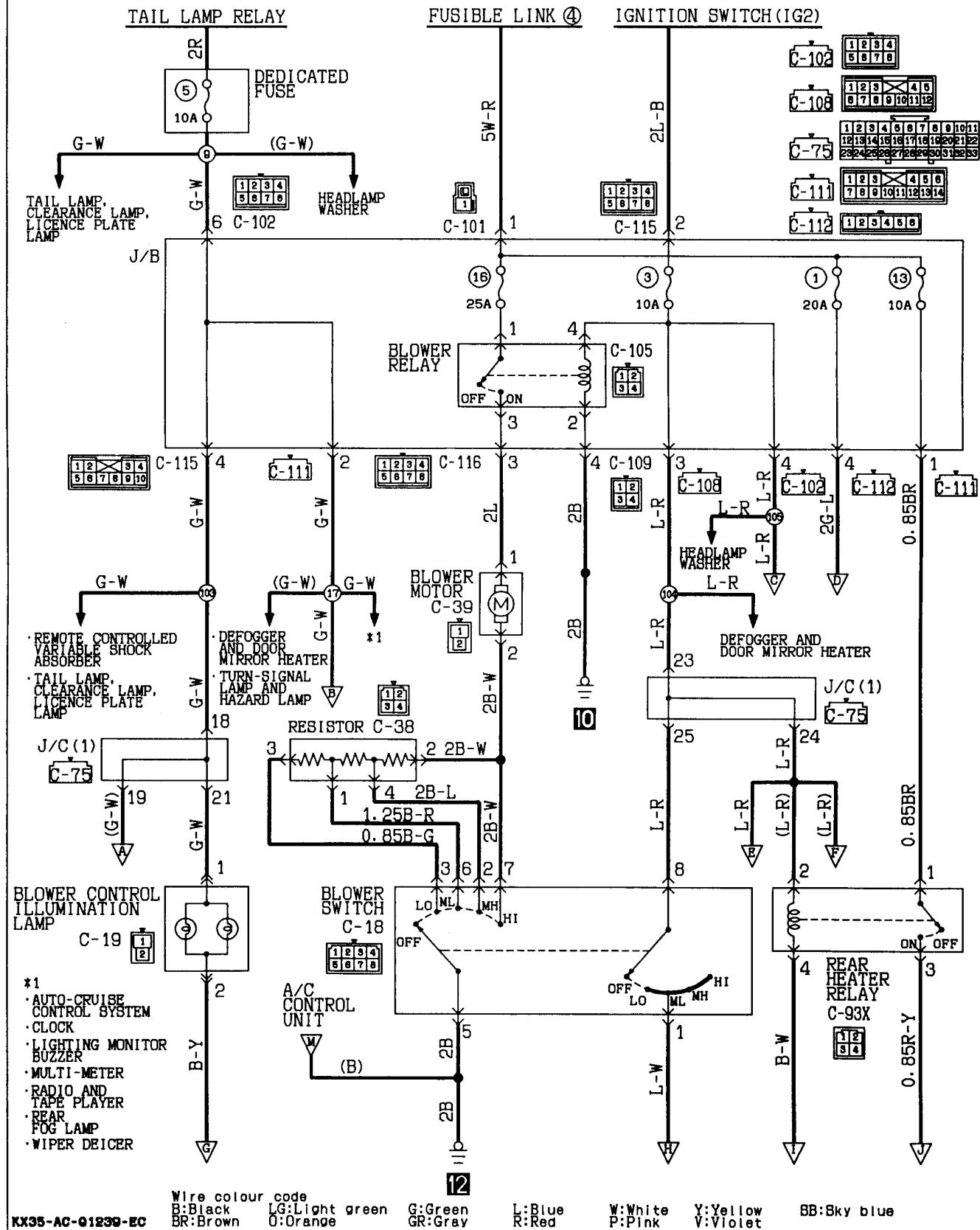




Wire colour code
 B:Black L:Light green G:Green
 BR:Brown O:Orange GR:Gray I:Blue
 R:Red W:White P:Pink Y:Yellow
 V:Violet SB:Sky blue

DUAL AIR CONDITIONER

R.H.-drive vehicles with rear heater
(diesel-powered vehicles)



Wire colour code

White color
B:Black

BR:Brown 0:Orange

— 1 —

ight green G:Green

GR:Gray

L:Blue

R:Red

W:White

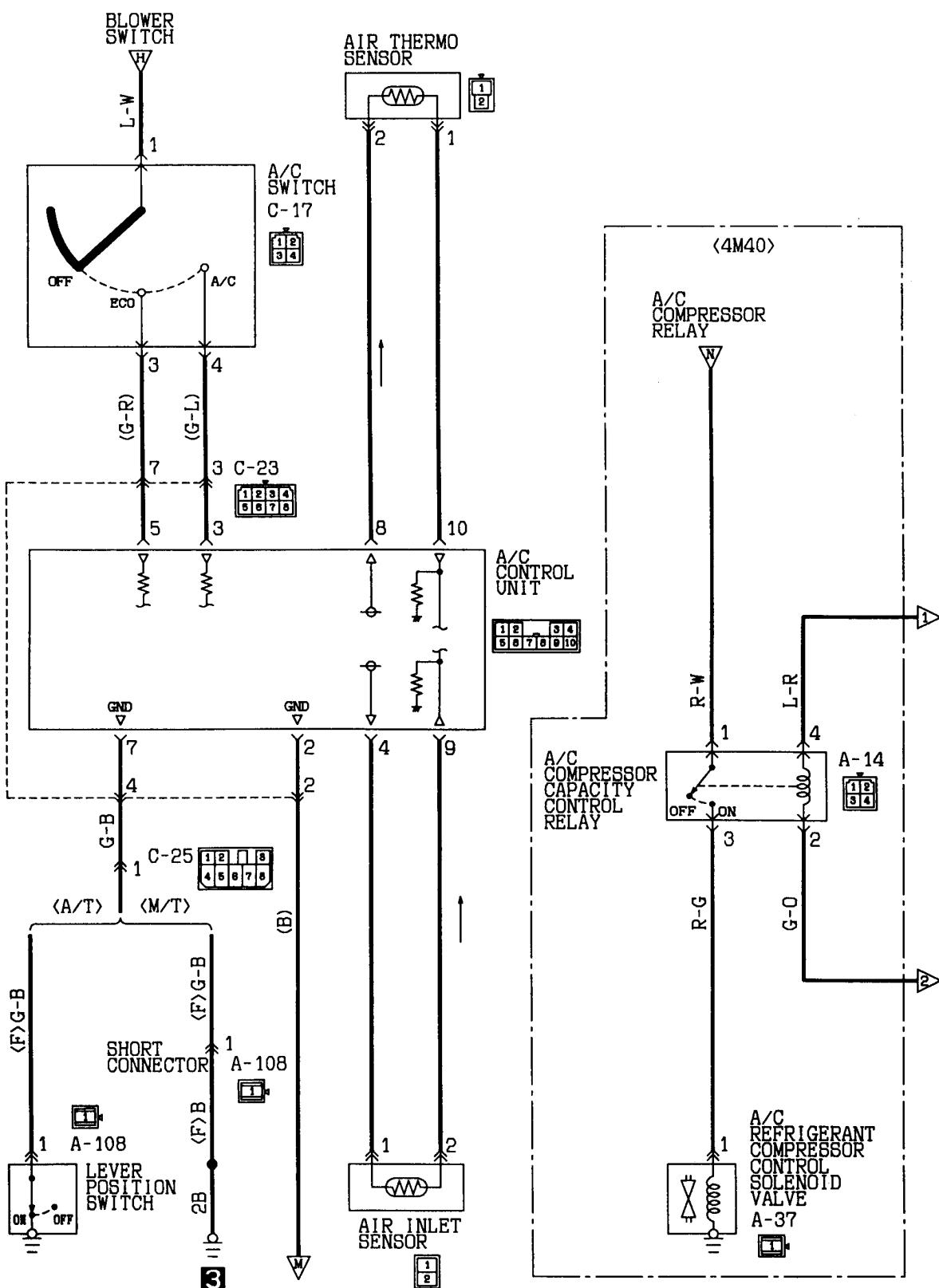
P:Pink

Y:Yellow

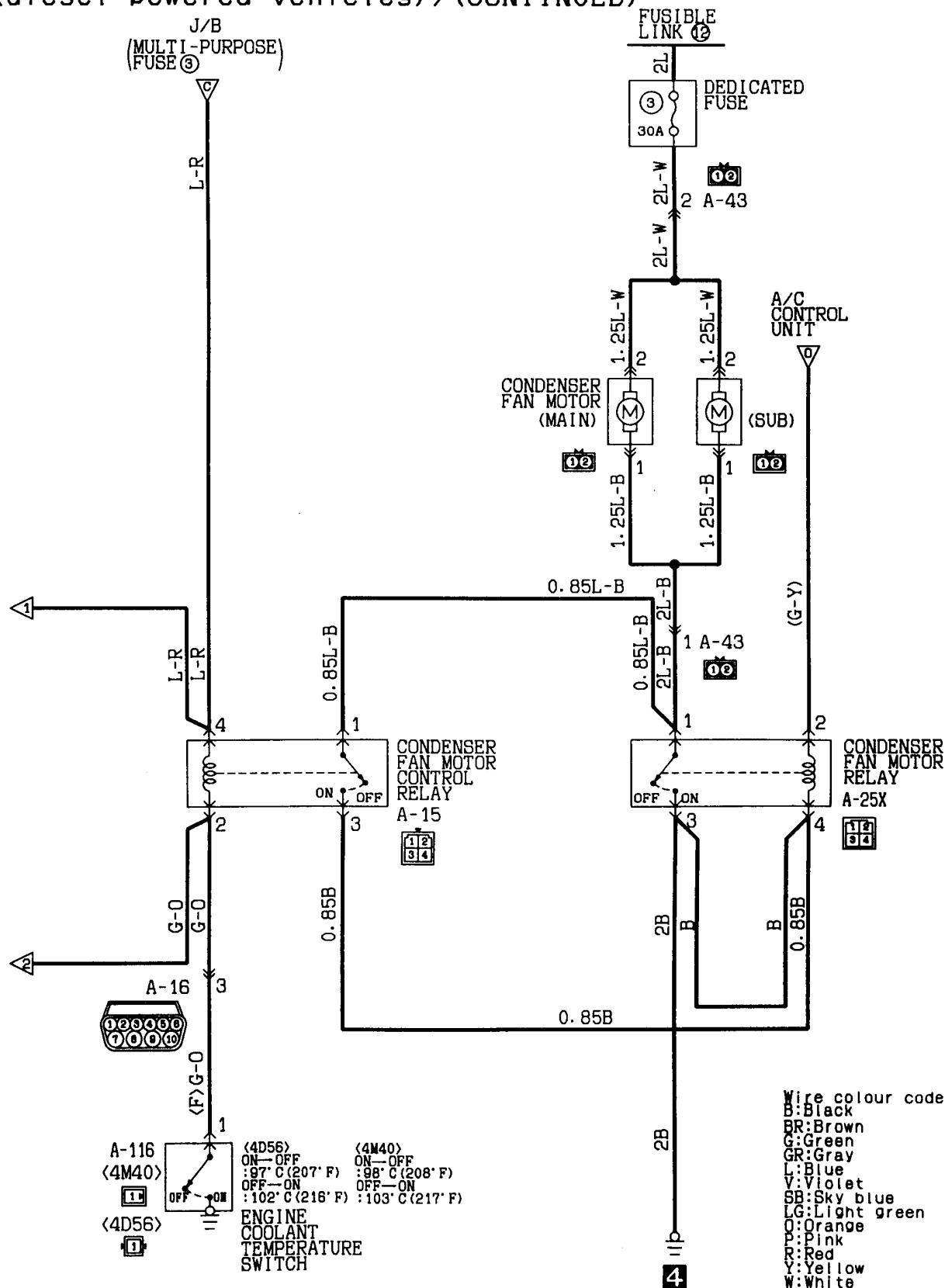
V:Violet

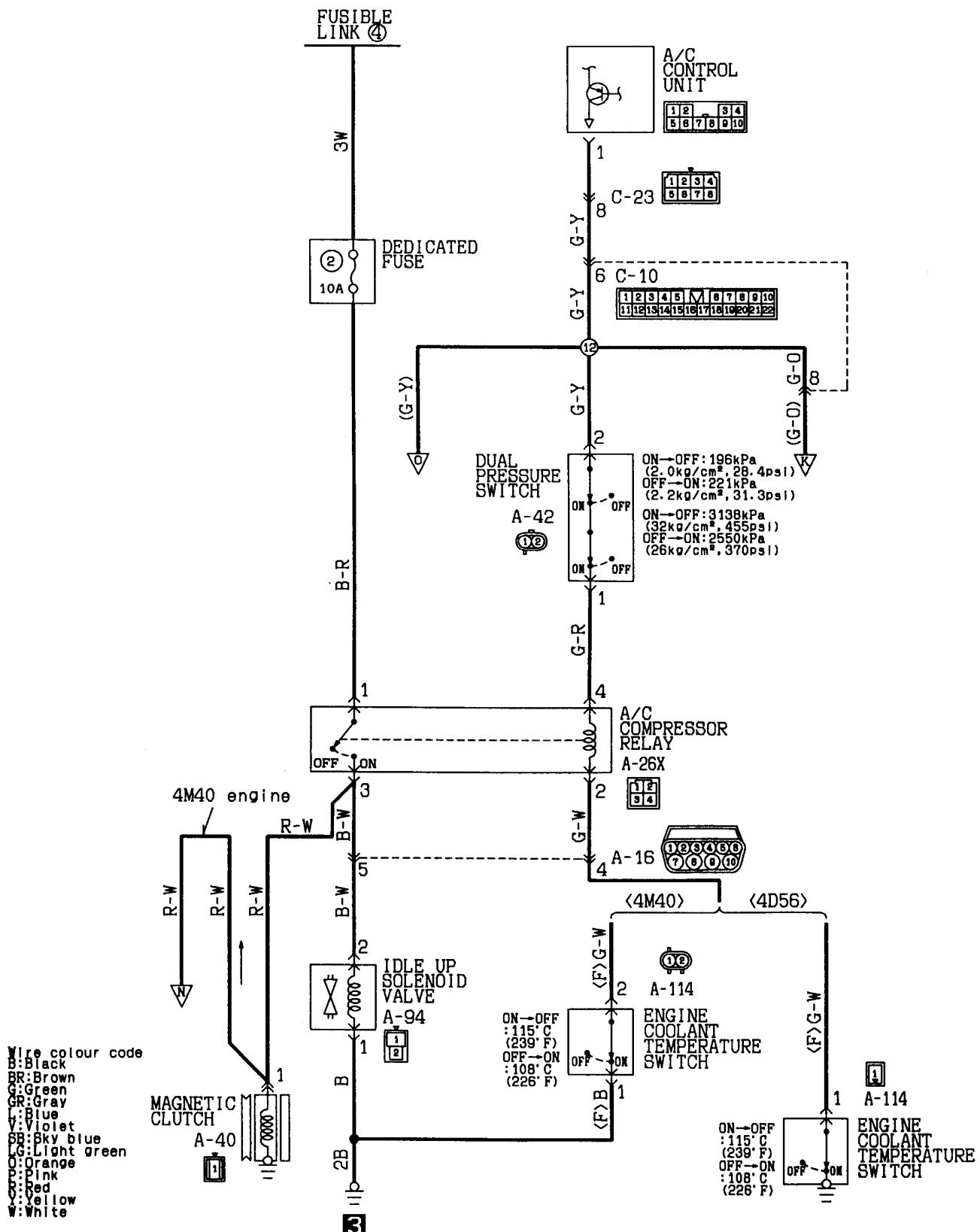
SB:Sky blue

BB-BRY-BR

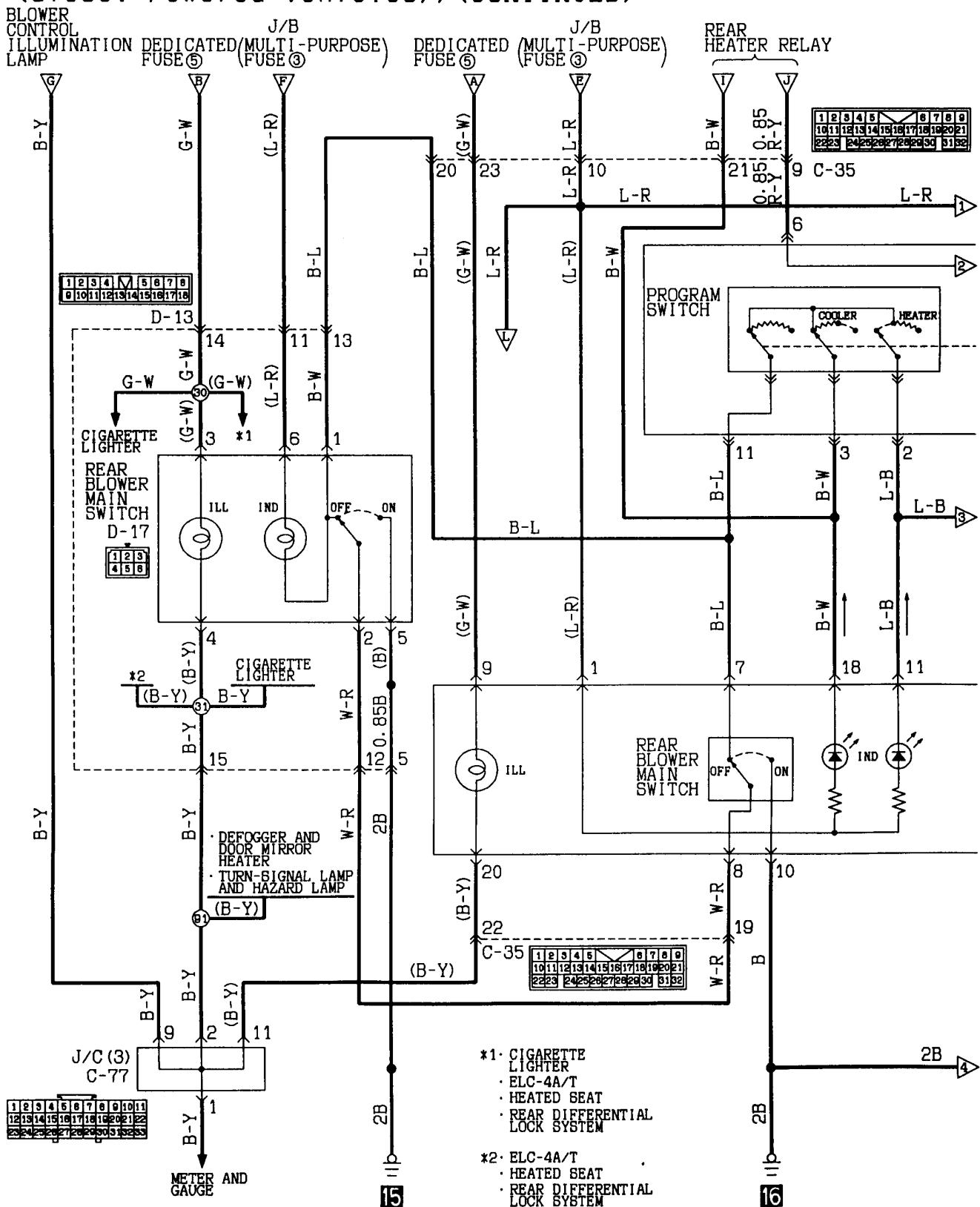


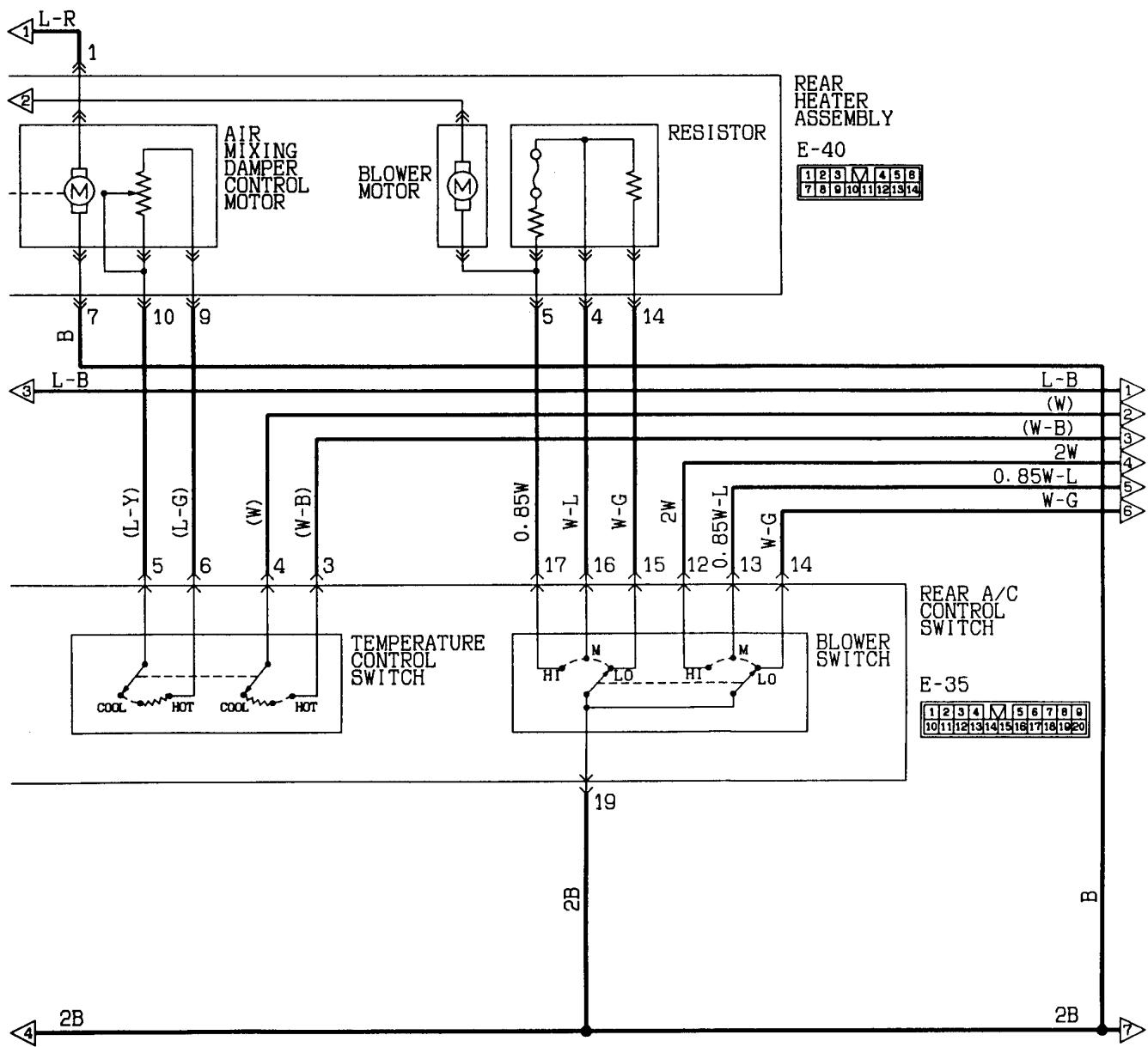
DUAL AIR CONDITIONER

< R.H. drive vehicles with rear heater
(diesel-powered vehicles) > (CONTINUED)



DUAL AIR CONDITIONER

< R. H. drive vehicles with rear heater
(diesel-powered vehicles) > (CONTINUED)



Wire colour code

B:Black
BR:BrownLG:Light green
O:OrangeG:Green
GR:Gray

L:Blue

R:Red

W:White

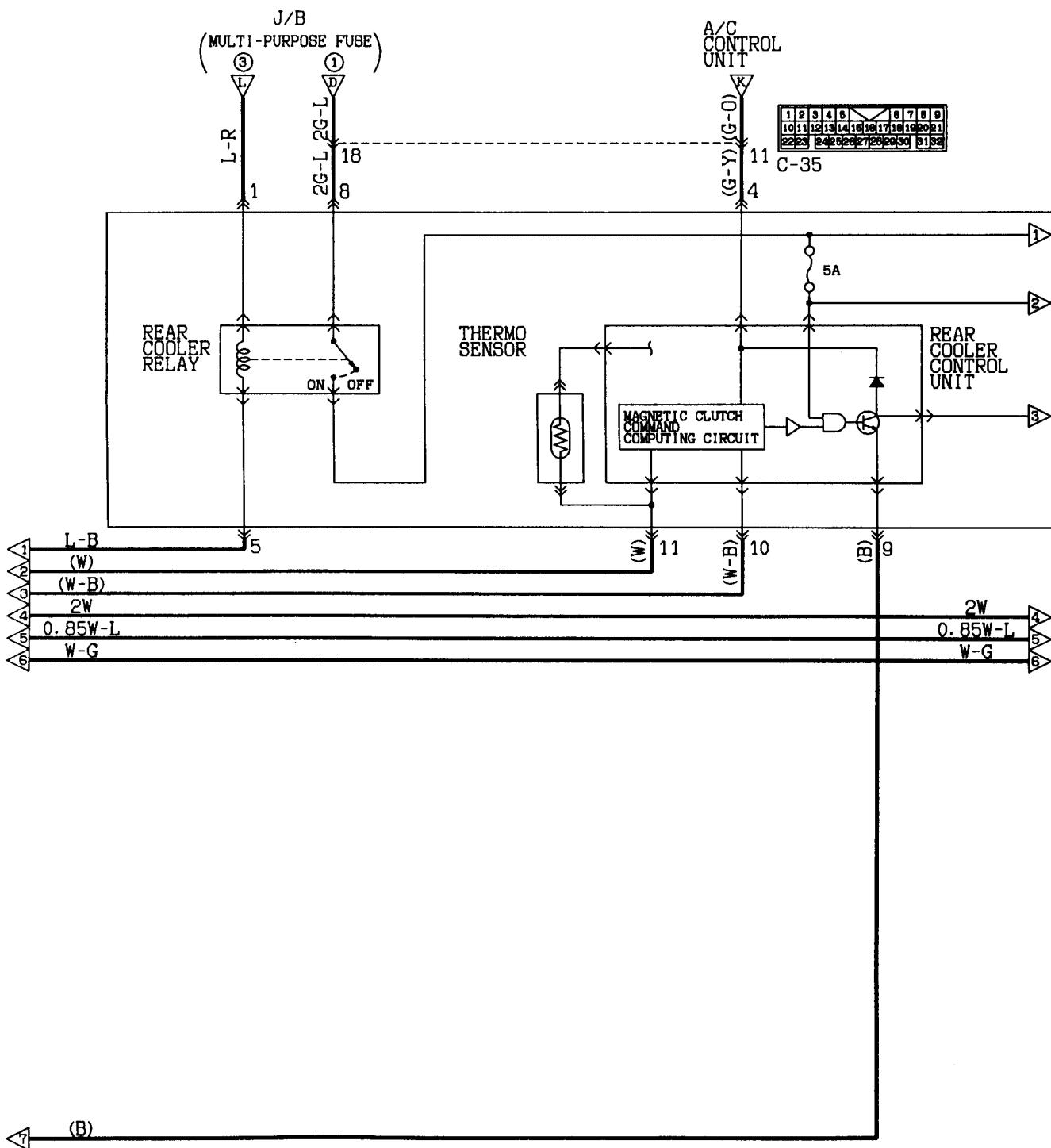
P:Pink

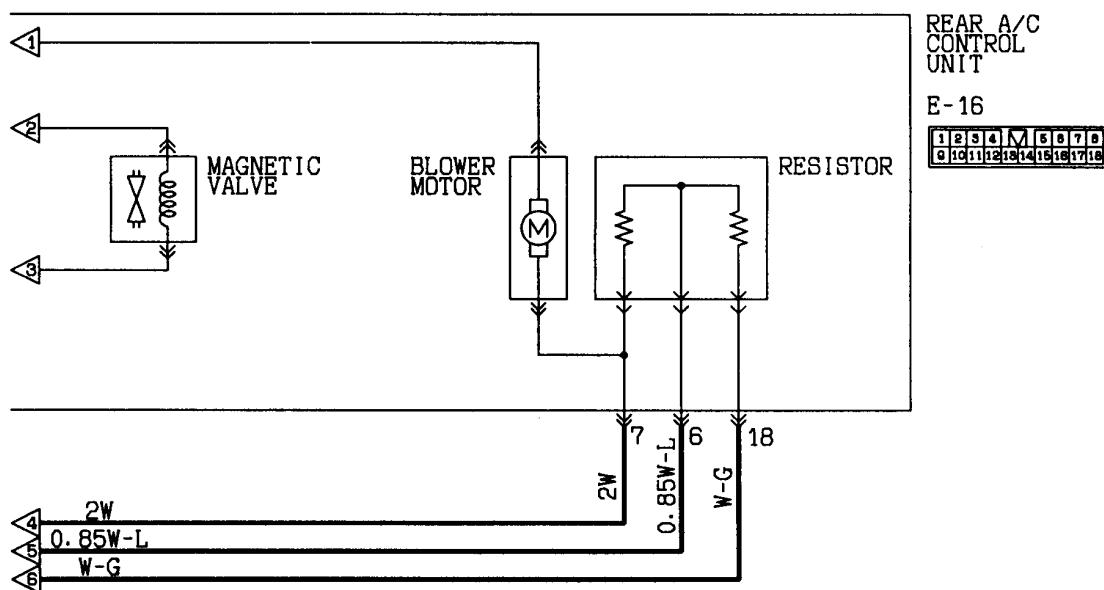
Y:Yellow

V:Violet

SB:Sky blue

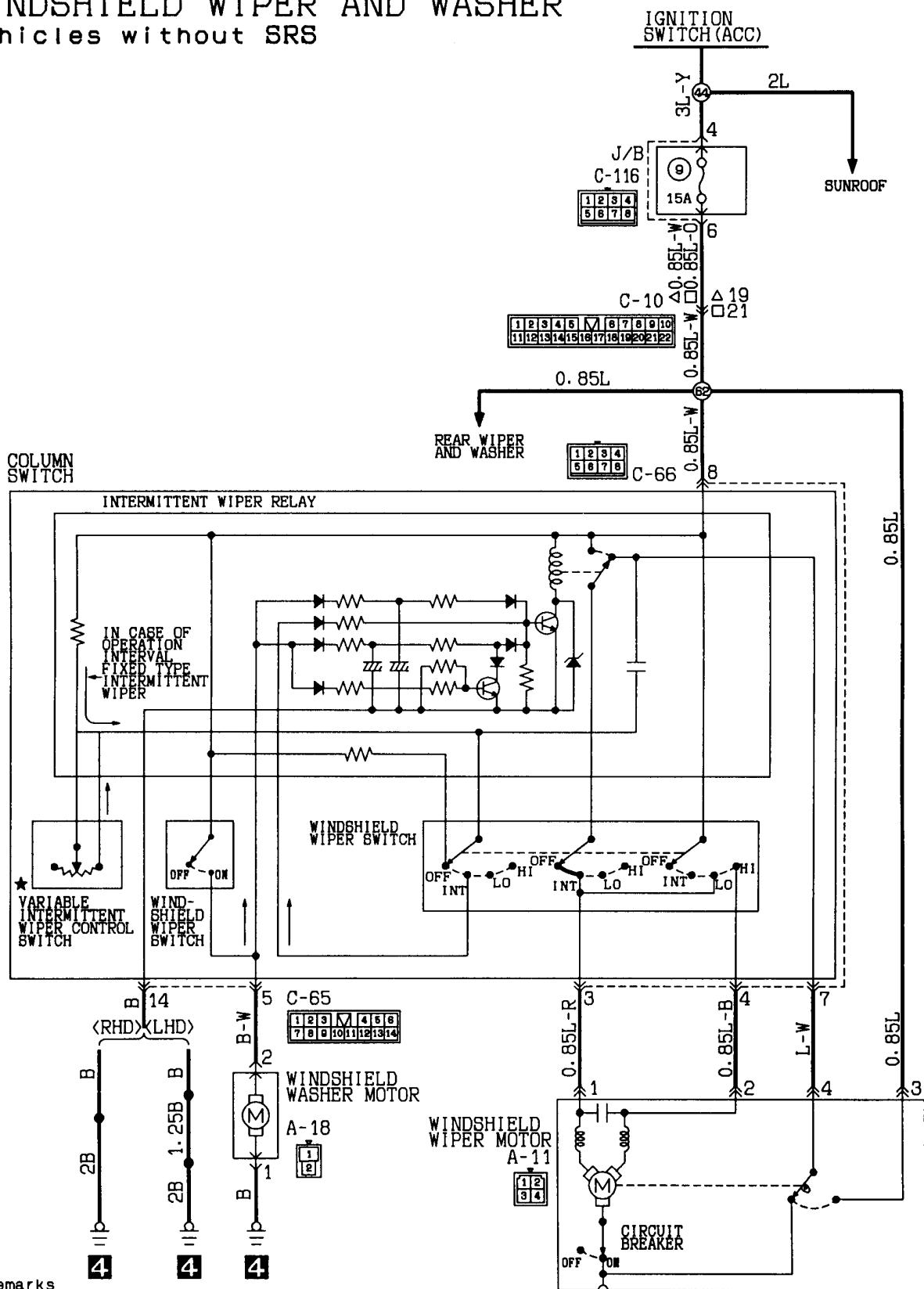
DUAL AIR CONDITIONER
(R.H. drive vehicles with rear heater
(diesel-powered vehicles)) (CONTINUED)





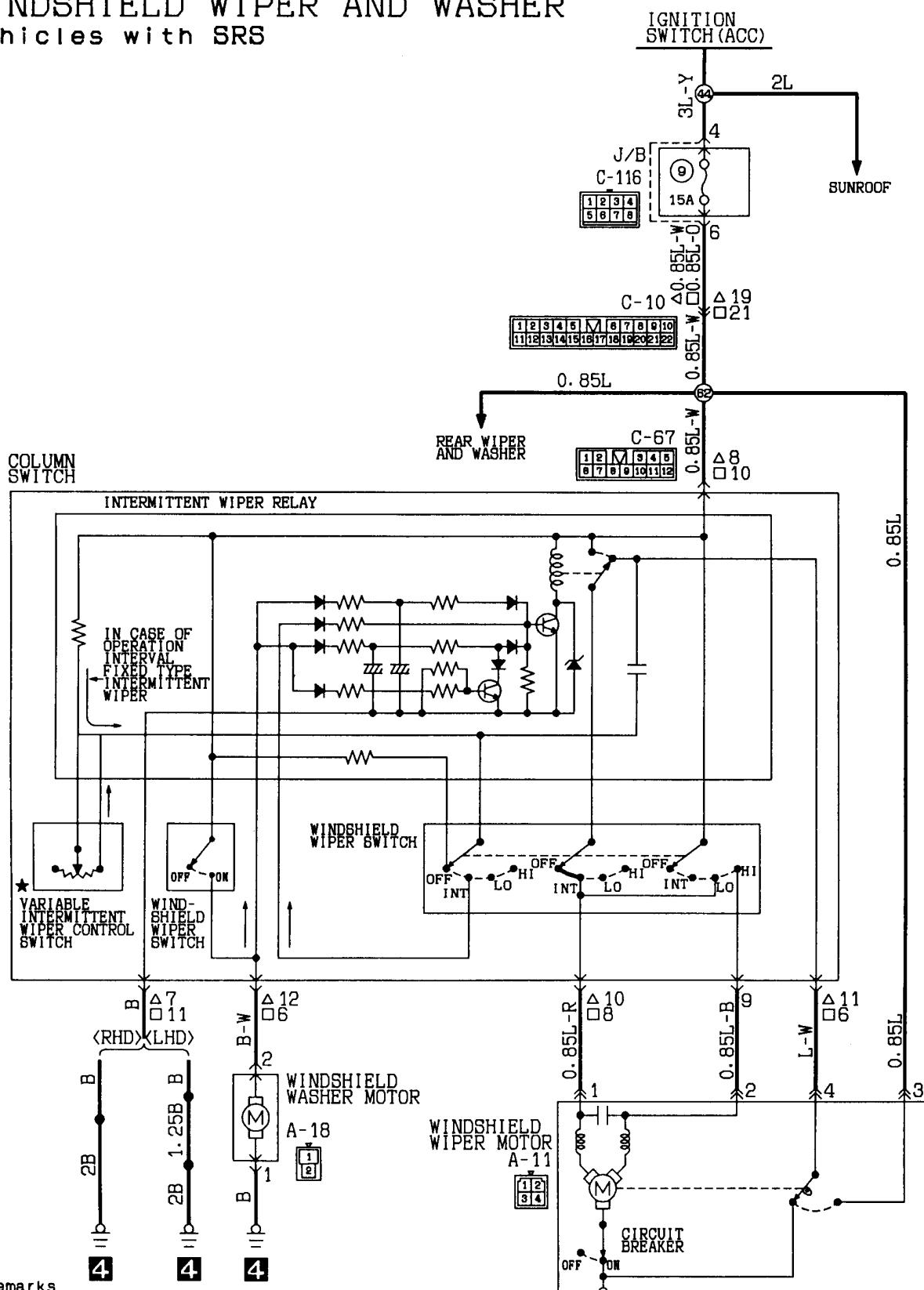
Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow BB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

WINDSHIELD WIPER AND WASHER Vehicles without SRS



WINDSHIELD WIPER AND WASHER

Vehicles with SRS

**Remarks**

- (1) □: L.H. drive vehicles.
- (2) △: R.H. drive vehicles.
- (3) ★: Vehicles with variable intermittent wiper.

KX35-AC-01316-EC

WINDSHIELD WIPER AND WASHER (See P. 4A-260, 261.)

OPERATION

Low-speed (and high-speed) wiper operation

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

Auto wiper stop operation

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

Intermittent wiper operation

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

Washer-Wiper operation

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

TROUBLESHOOTING HINTS

- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. ⑨.
 - Check earth.
- Low-speed (or high-speed) wiper operation only is inoperative.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized.

Terminal No.	Voltage	Check
3	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	— (Normal)

- The length of pause for intermittent operation cannot be varied.
 - Check variable intermittent wiper control switch.
 - Check intermittent wiper relay.
- Washer is inoperative.
 - Wiper is operative on washer-wiper operation.
 - Check washer motor.
 - Washer-wiper operation is inoperative also.
 - Check washer switch.
- Washer-wiper operation is inoperative.
 - Check intermittent wiper relay.

REAR WIPER AND WASHER (See P. 4A-264, 266.)

OPERATION

⟨Low-speed wiper operation⟩

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

⟨Auto wiper stop operation⟩

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

⟨Intermittent wiper operation⟩

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

⟨Washer-Wiper operation⟩

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

TROUBLESHOOTING HINTS

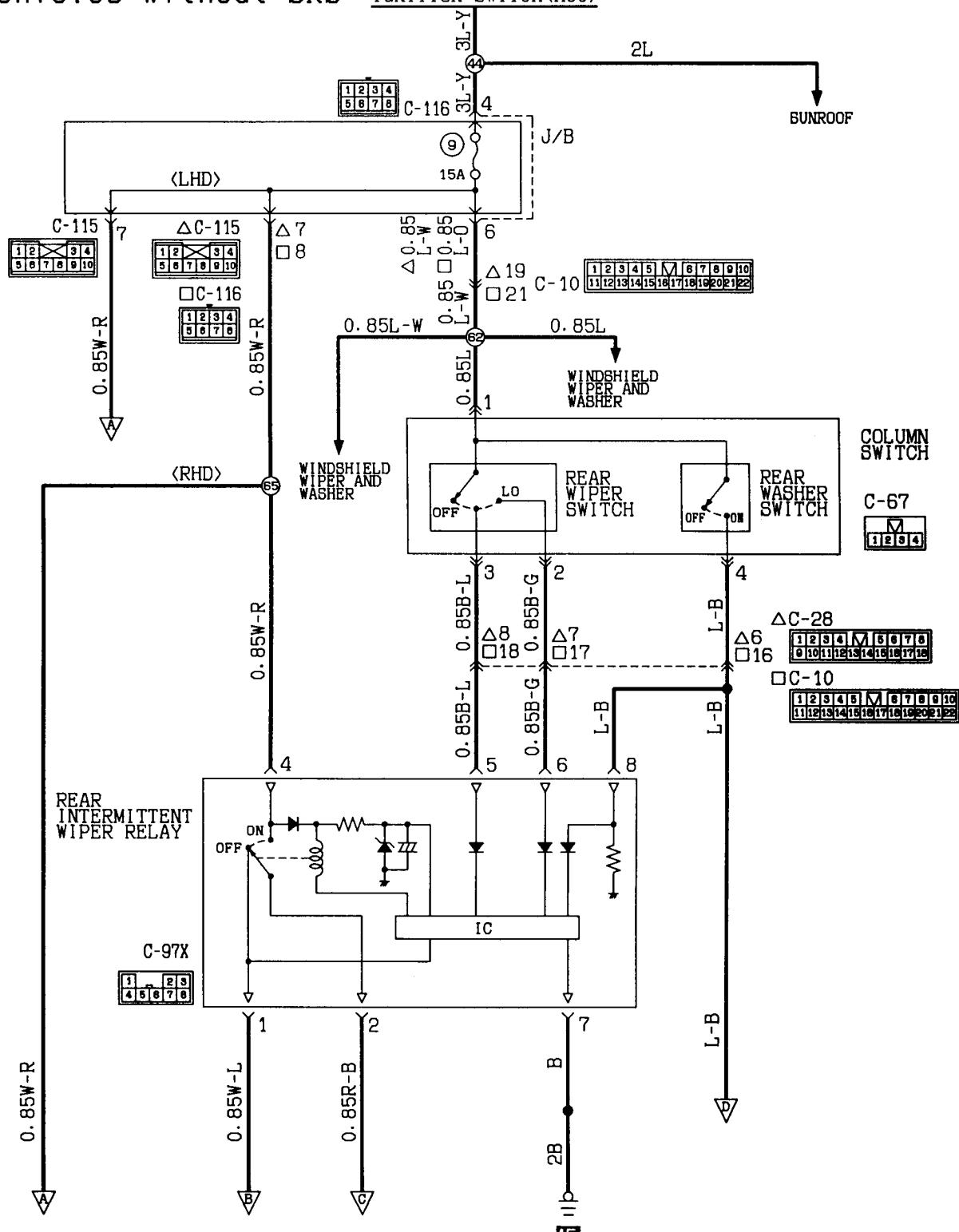
- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. ⑨.
 - Check earth.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of the intermittent wiper relay energized.

Terminal No.	Voltage	Check
1	0 V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	— (Normal)

- Washer is inoperative.
 - Check washer motor.
 - Check washer switch.
- Washer-wiper operation is inoperative.
 - Check intermittent wiper relay.

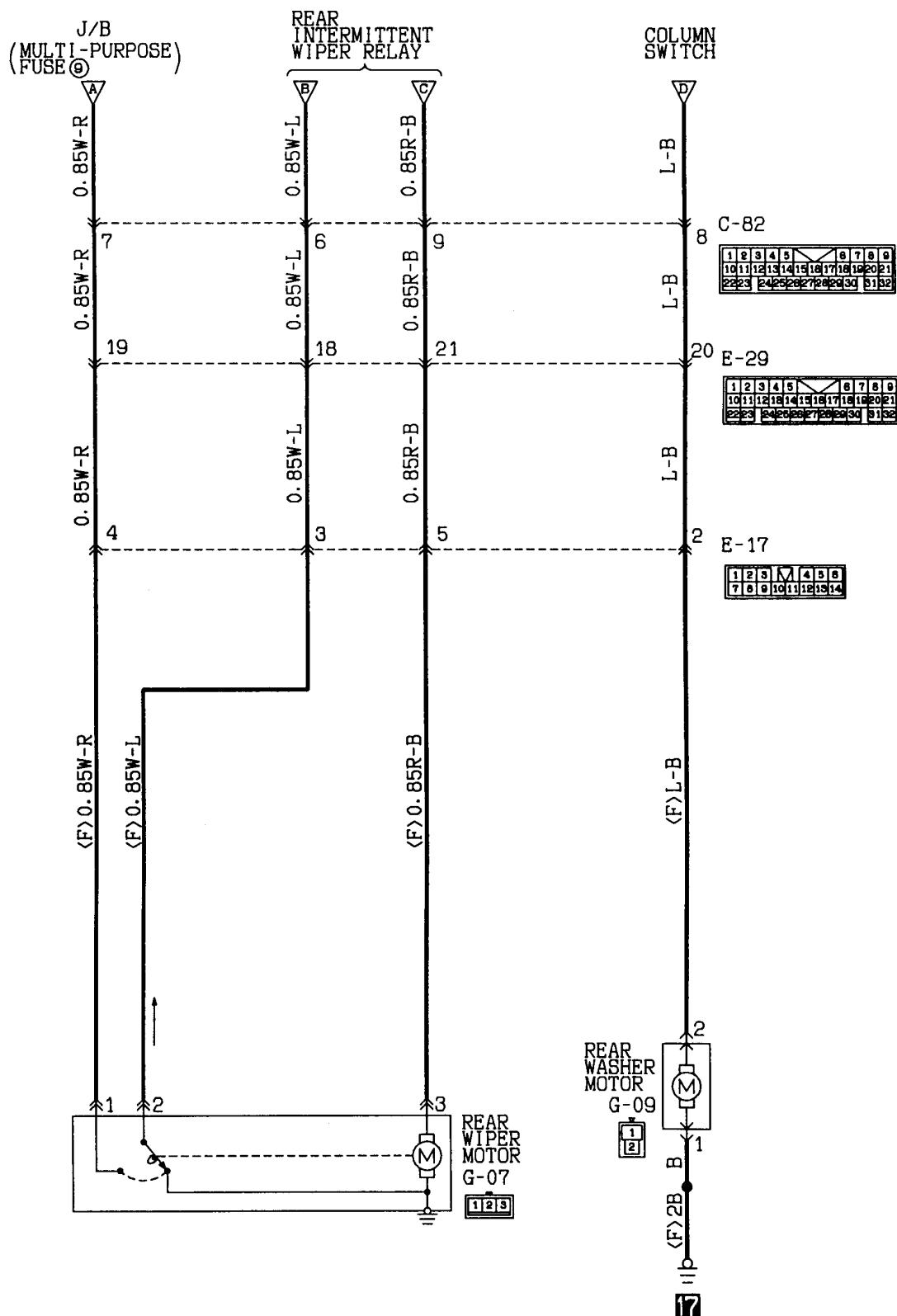
REAR WIPER AND WASHER

Vehicles without SRS IGNITION SWITCH(ACC)



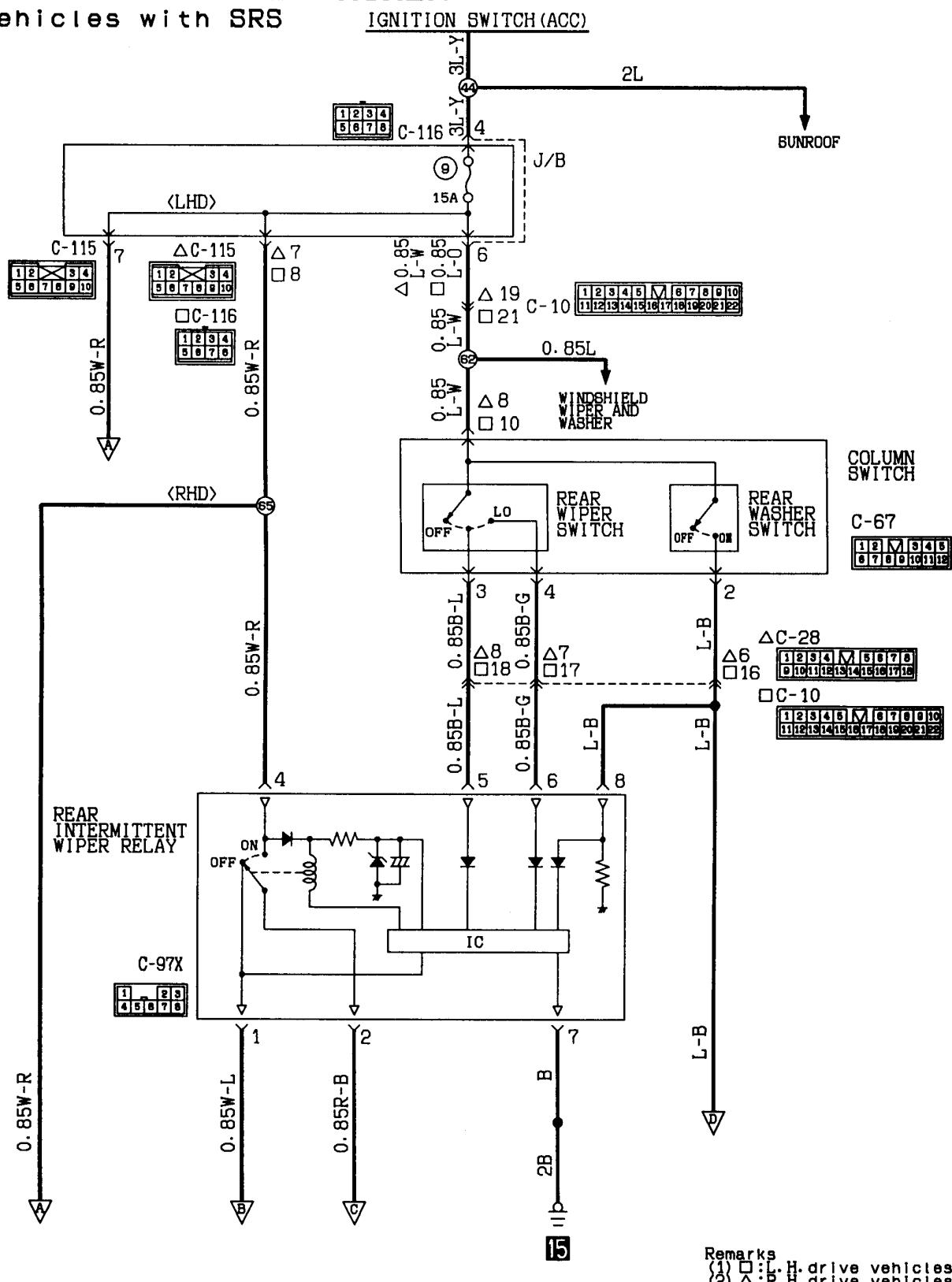
Remarks
 (1) □: L. H. drive vehicles
 (2) △: R. H. drive vehicles

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



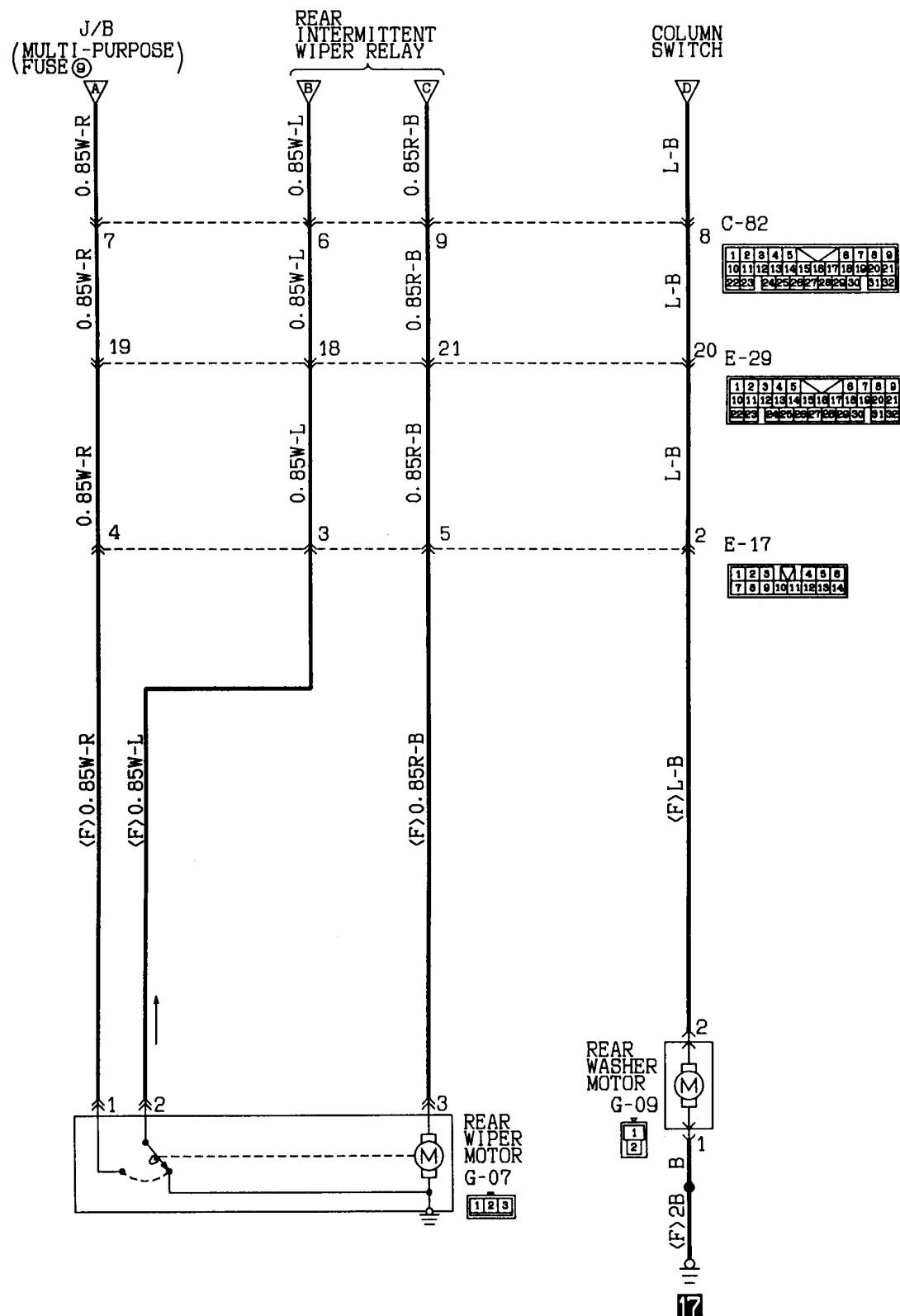
REAR WIPER AND WASHER

Vehicles with SRS

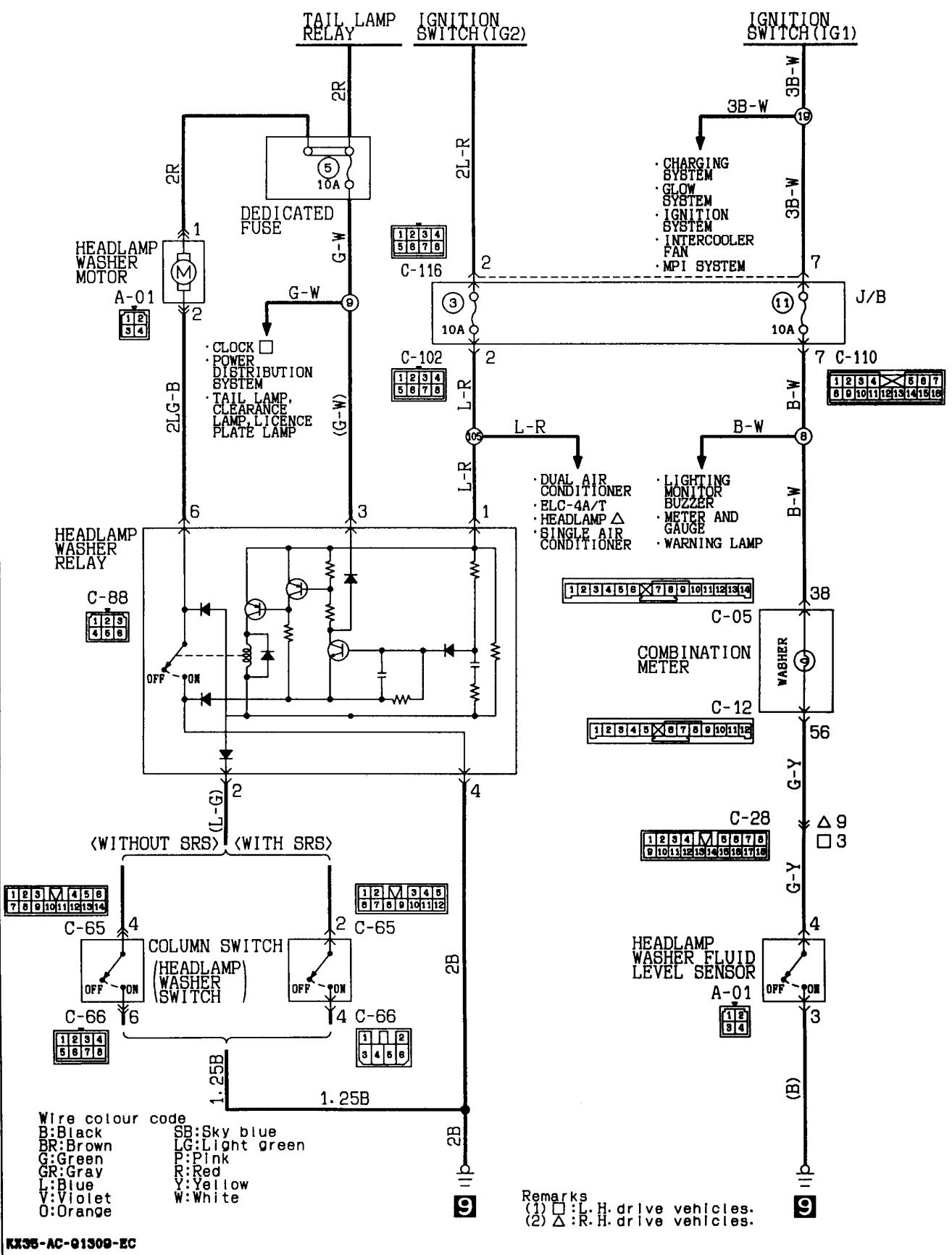


Remarks
(1) L.H. drive vehicles
(2) R.H. drive vehicles

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



HEADLAMP WASHER



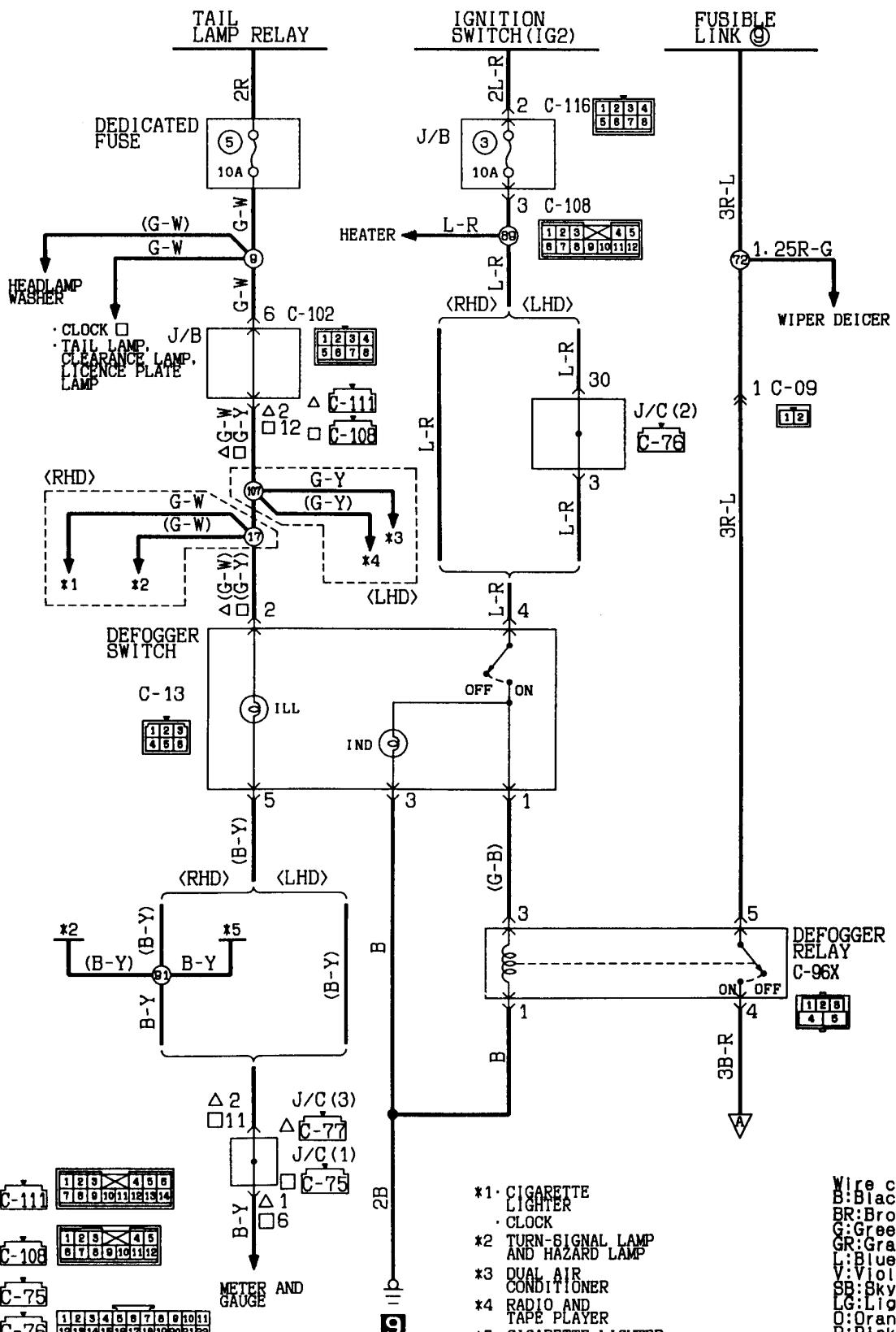
HEADLAMP WASHER (See P. 4A-268.)**OPERATION**

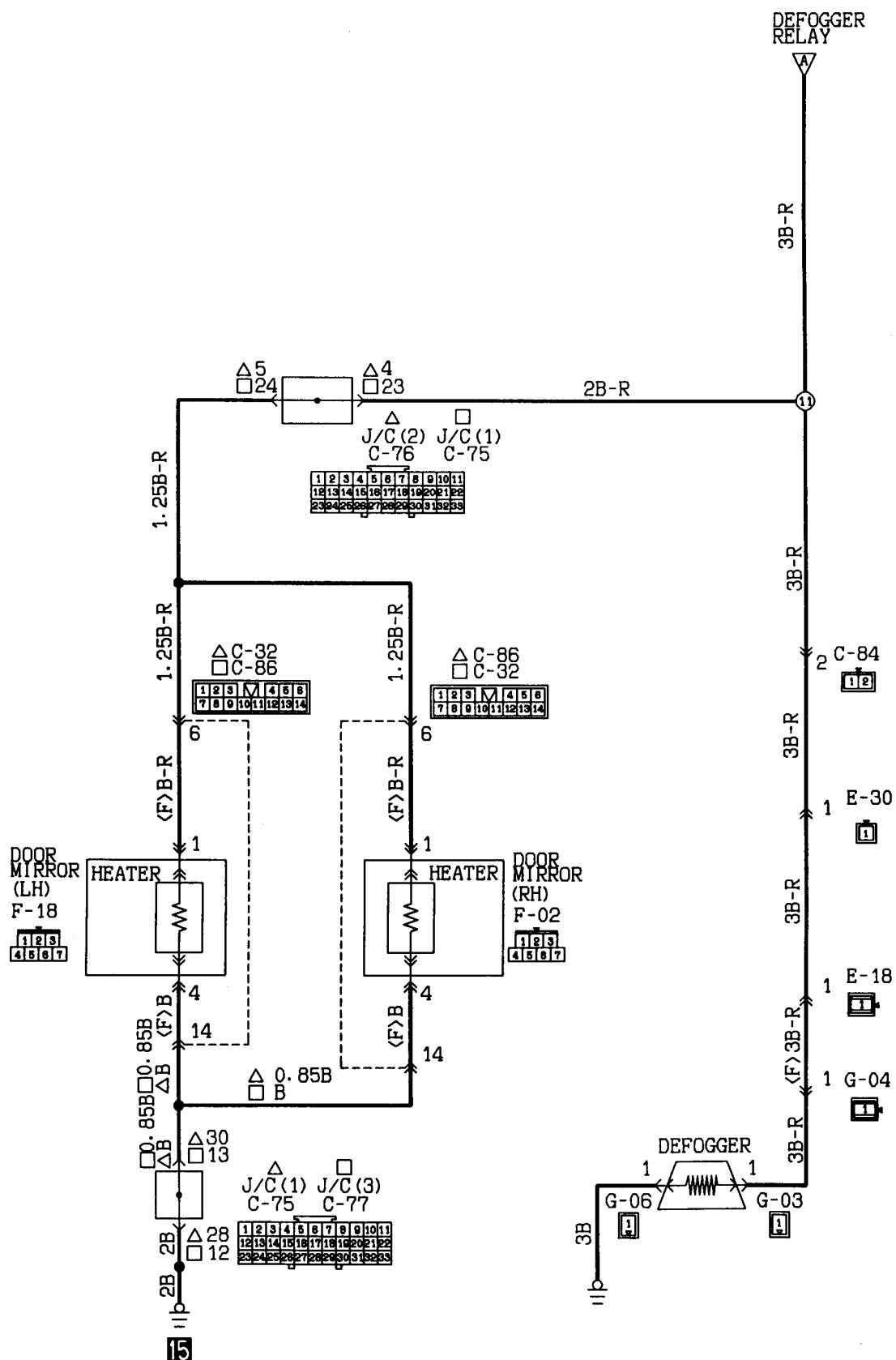
- When the headlamp washer switch is turned ON with ignition switch in ON and lighting switch in TAIL or HEAD position, the headlamp washer relay is energized causing the headlamp washer motor to start.

TROUBLESHOOTING HINTS

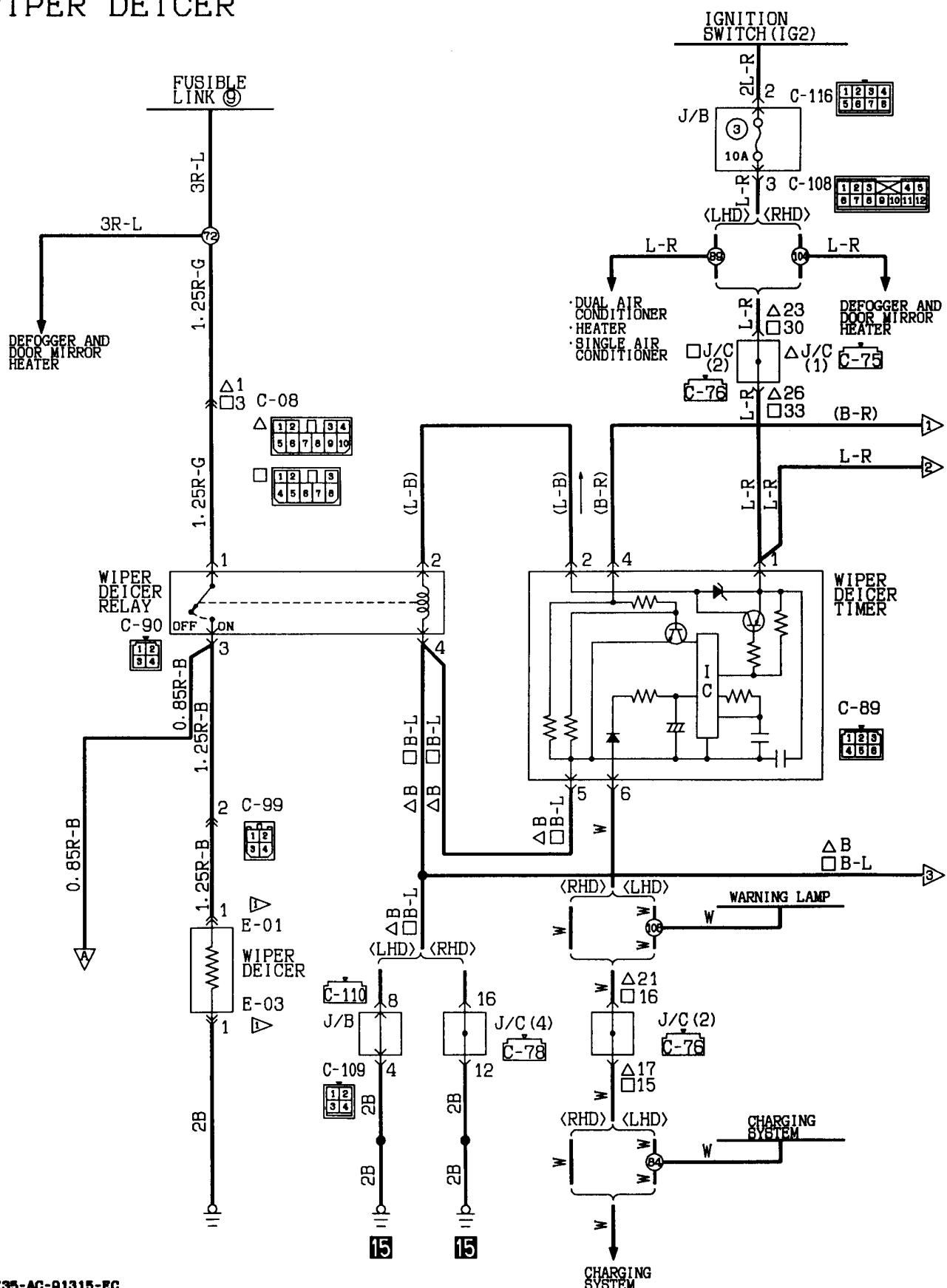
1. Headlamp washer motor does not start.
 - 1) Blower motor does not start, either.
 - Check multi-purpose fuse No. ③.
 - 2) Blower motor does start.
 - Check headlamp washer motor.
 - Check headlamp washer relay.
 - Check headlamp washer switch.

DEFOGGER AND DOOR MIRROR HEATER

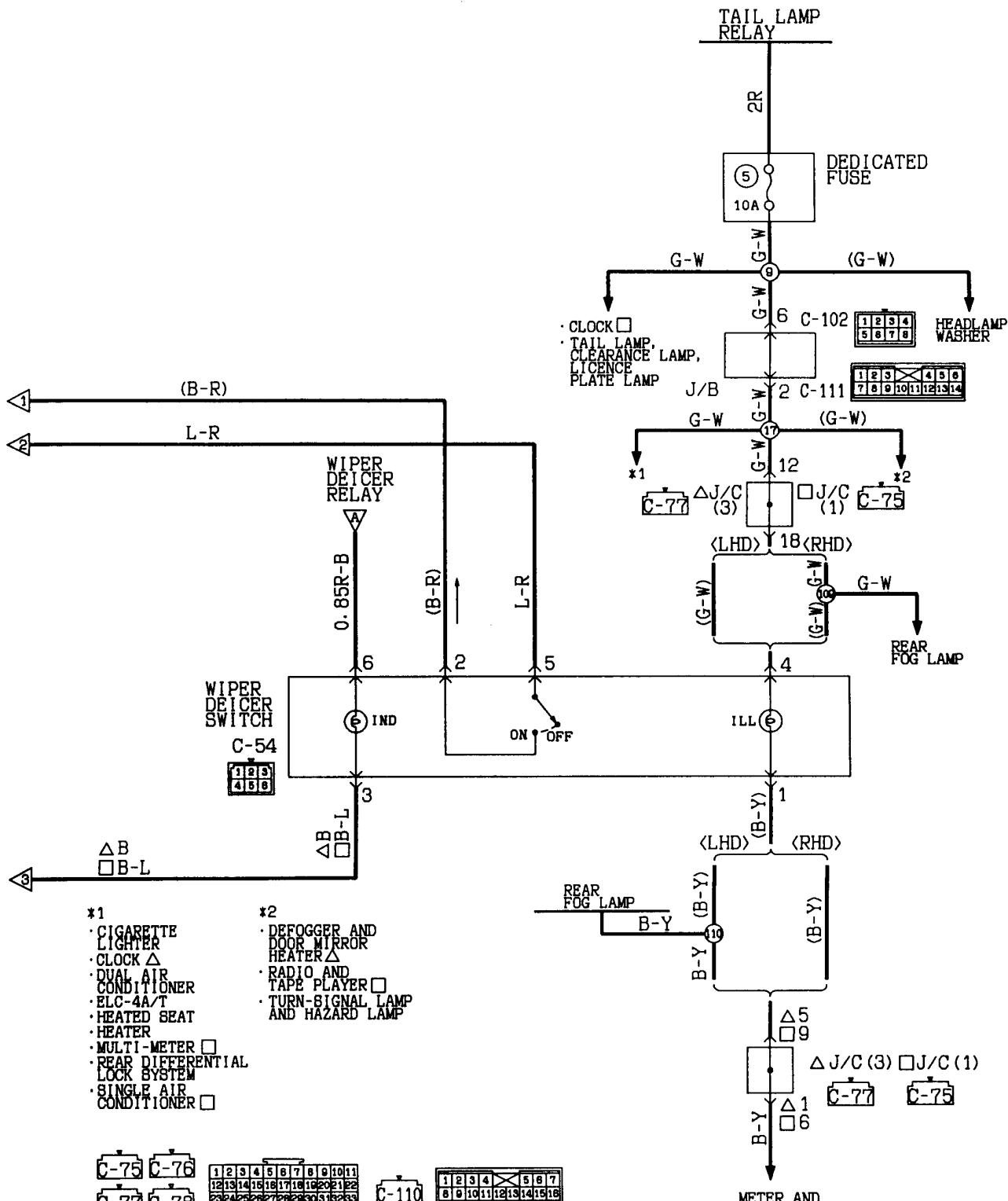




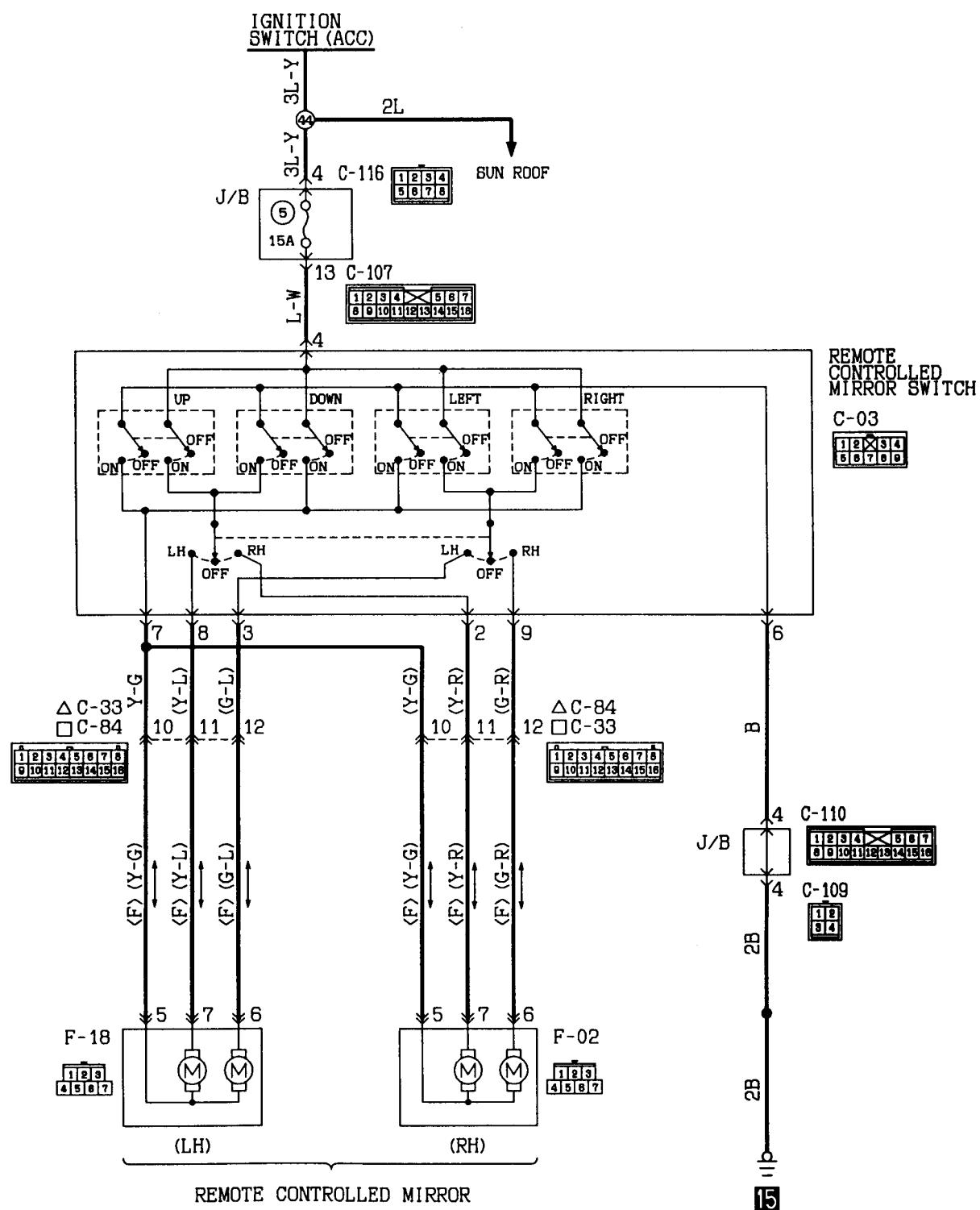
WIPER DEICER



KX35-AC-01315-EC



REMOTE CONTROLLED MIRROR



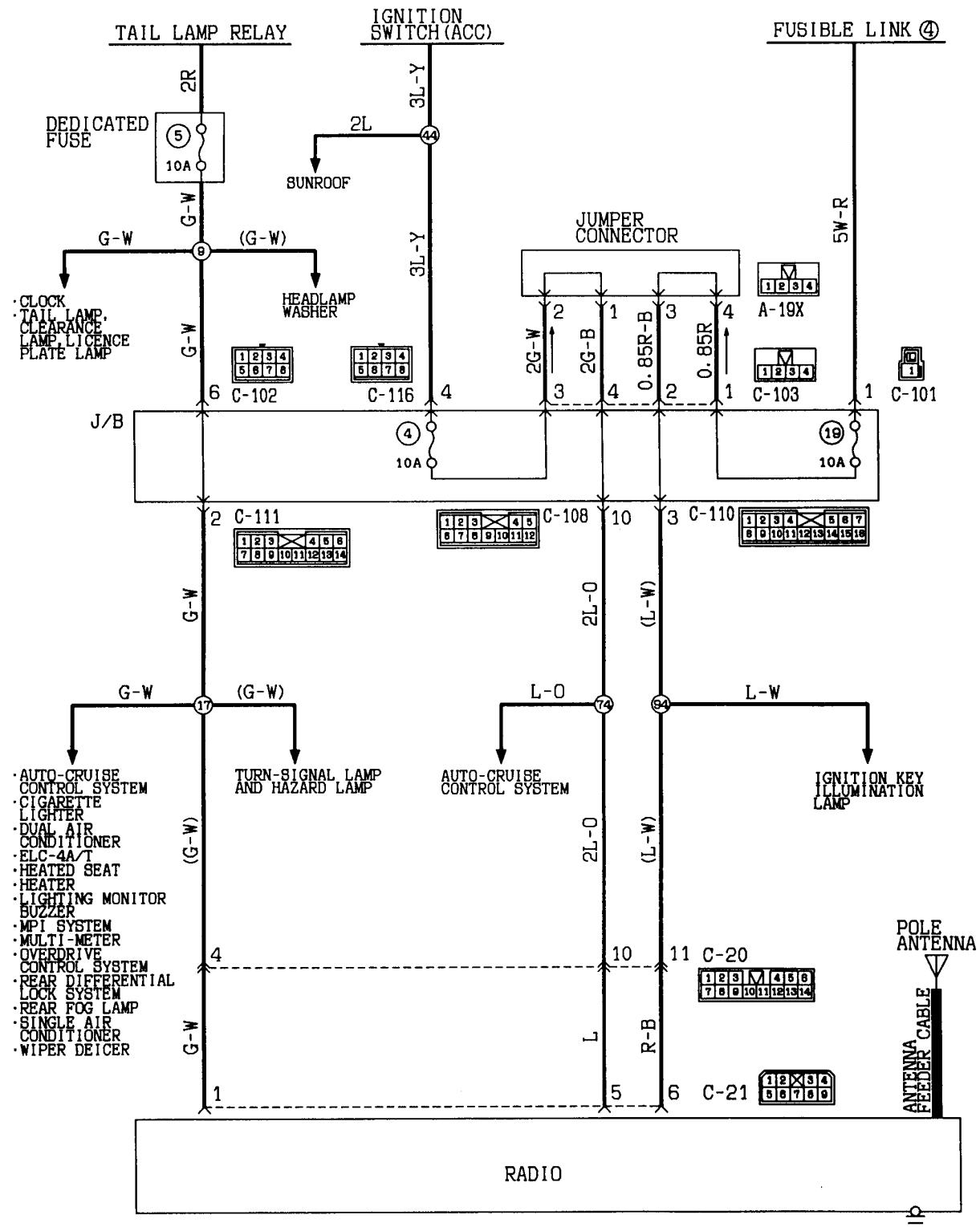
REMOTE CONTROLLED MIRROR (See P. 4A-274.)**OPERATION**

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

TROUBLESHOOTING HINTS

- LH and RH mirrors do not move.
 - Cigarette lighter is also inoperative.
 - Check multi-purpose fuse No. ⑤.
 - Cigarette lighter is operative.
 - Check remote controlled mirror switch.

RADIO AND TAPE PLAYER
L. H. drive vehicles<AM/FM radio>



Wire colour code

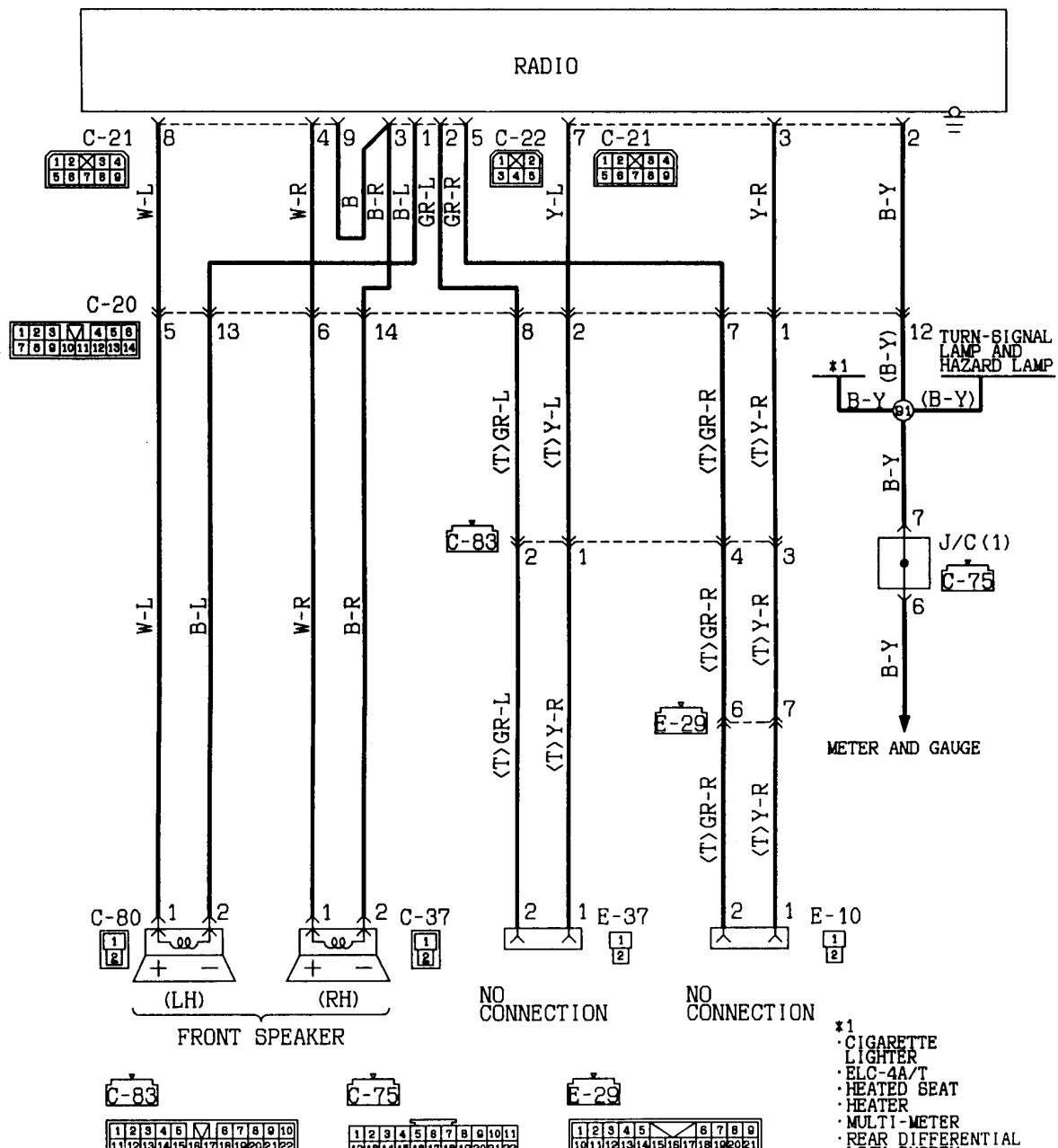
B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray

L:Blue
R:Red

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

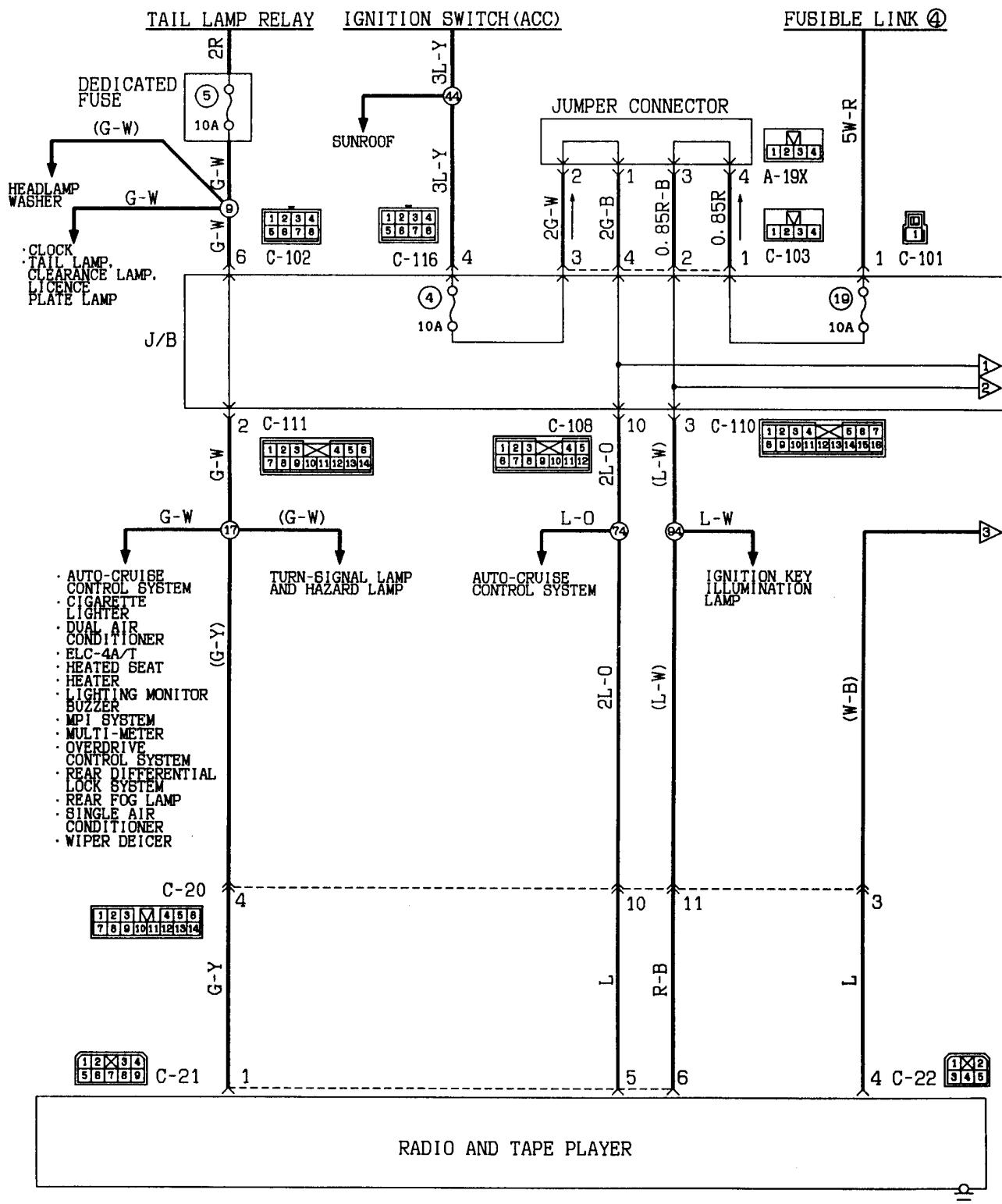
SB:Sky blue

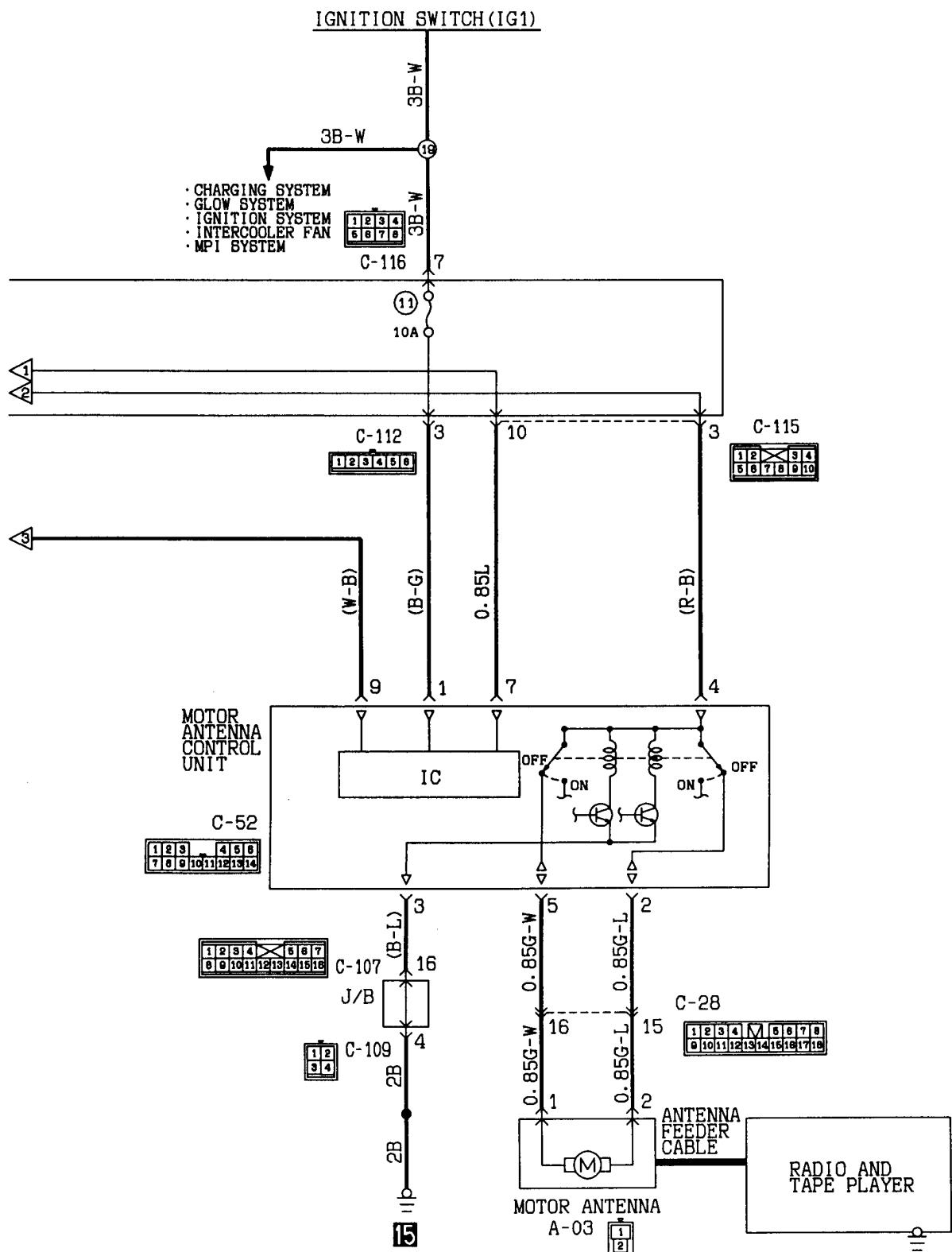
KX35-AC-Q1421-EC



RADIO AND TAPE PLAYER

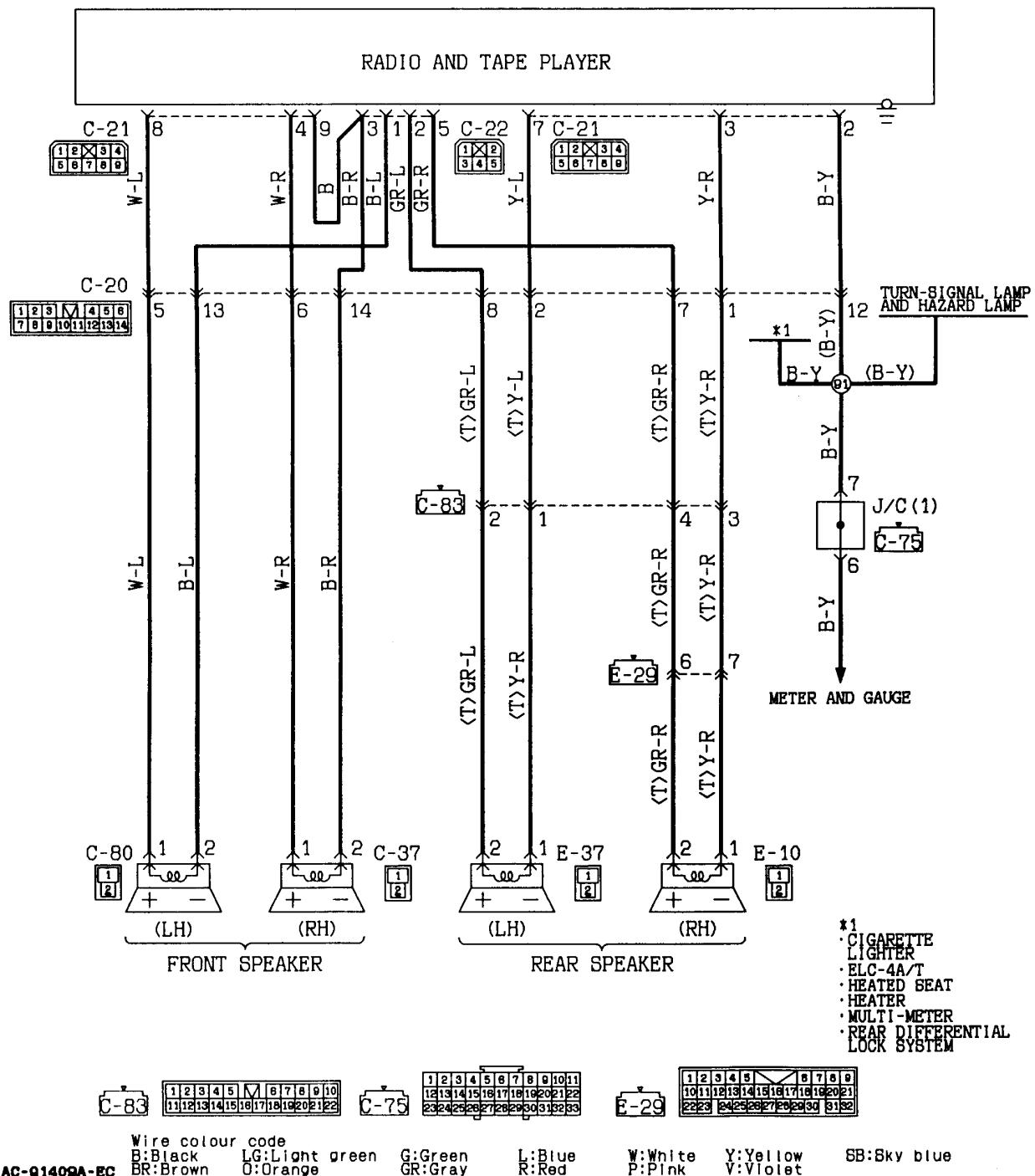
L. H. drive vehicles <LW/MW/FM radio and tape player>





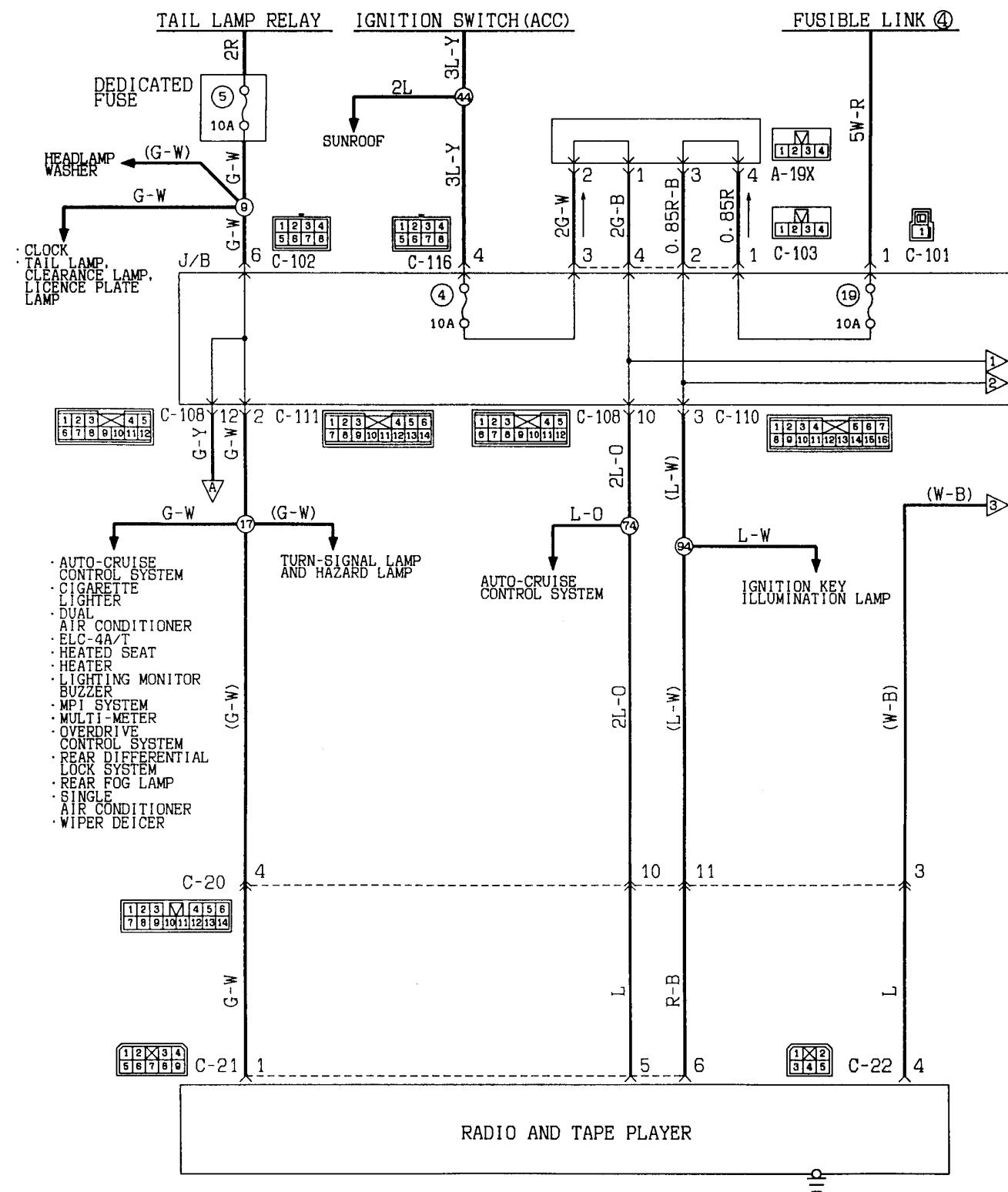
RADIO AND TAPE PLAYER

<L. H. drive vehicles (LW/MW/FM radio and tape player)>
(CONTINUED)



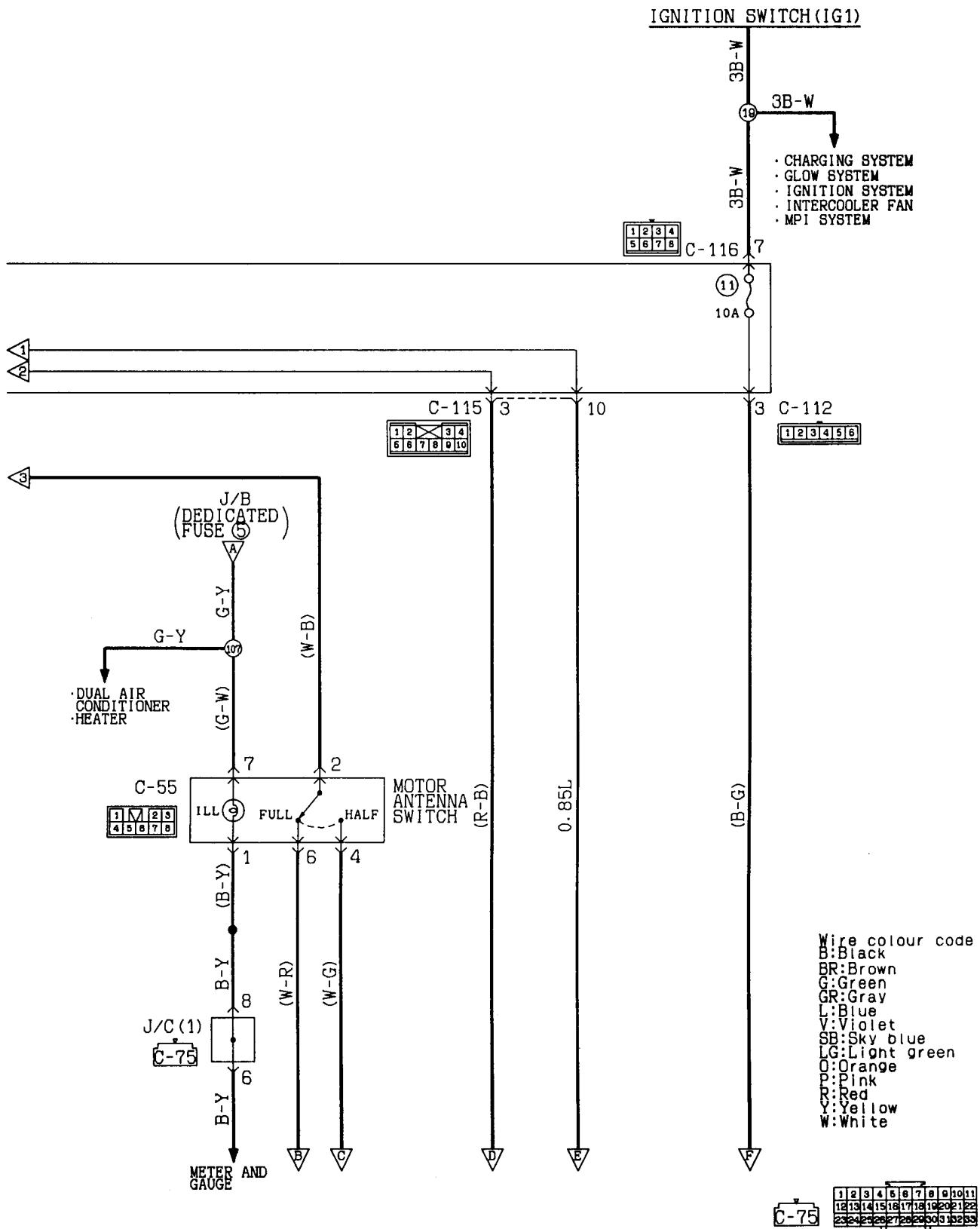
RADIO AND TAPE PLAYER

L. H. drive vehicles <AM/FM radio and tape player>



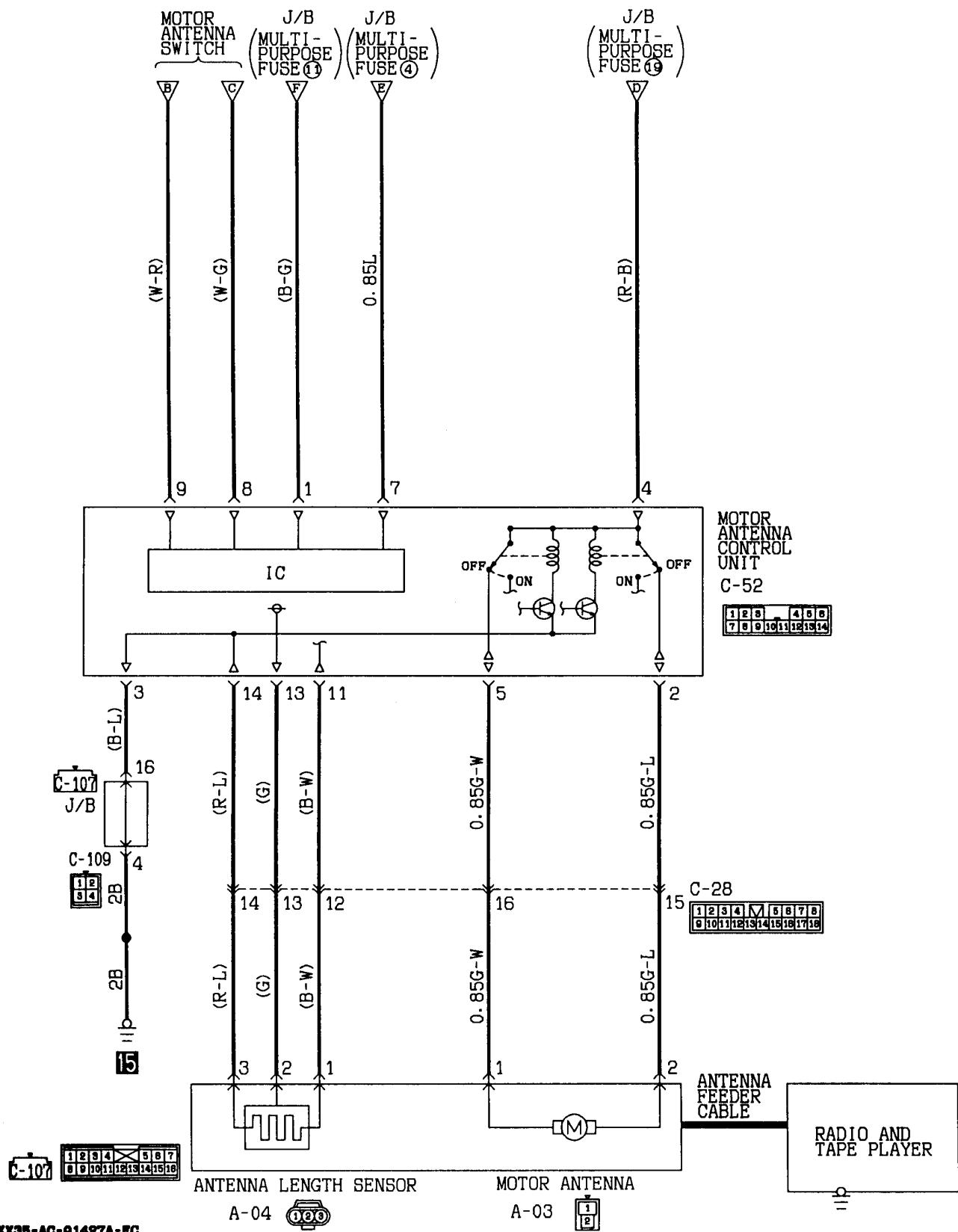
RADIO AND TAPE PLAYER

L. H. drive vehicles~~(AM/FM radio and tape player)~~
(CONTINUED)



CIRCUIT DIAGRAM

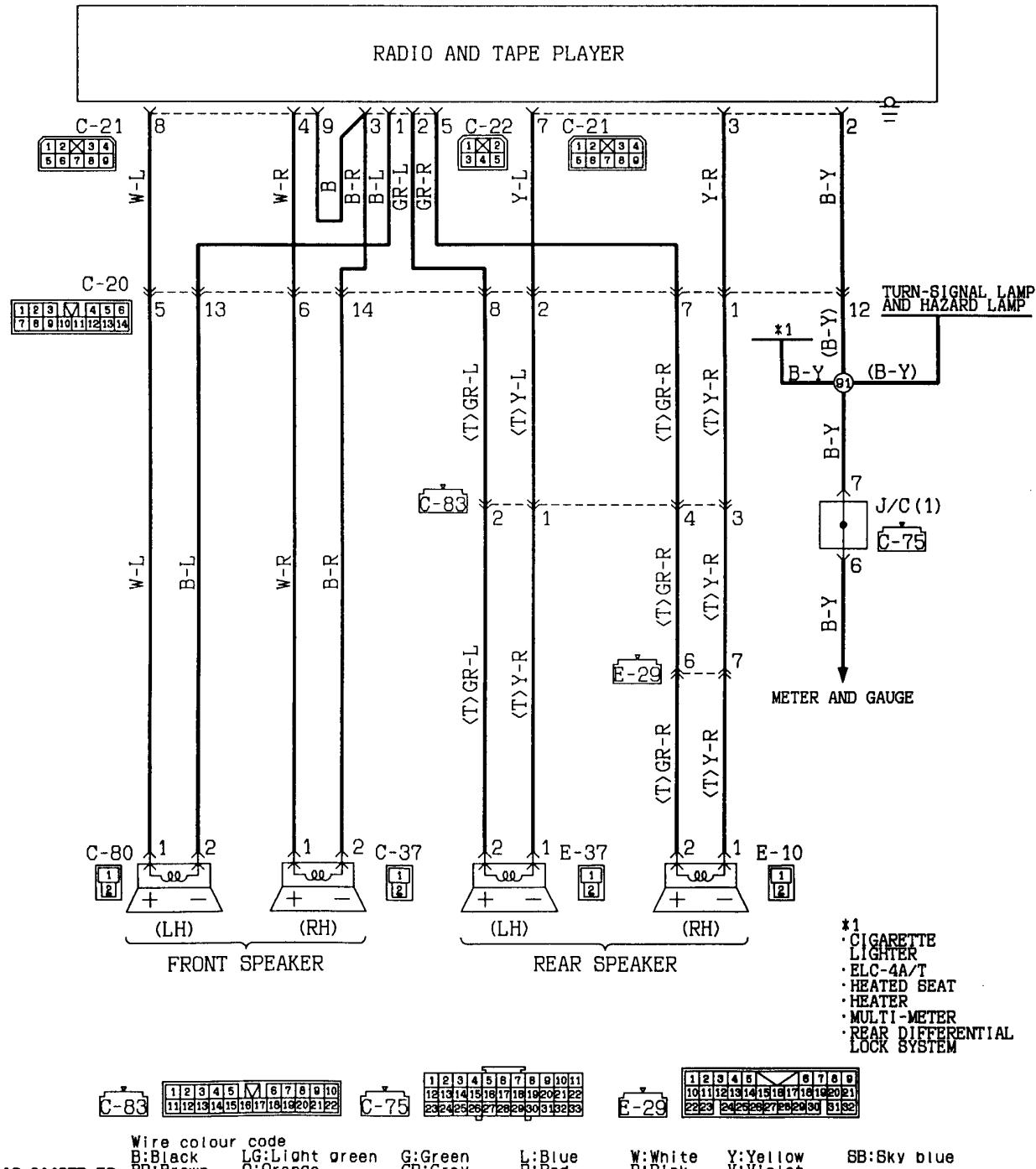
4A-283

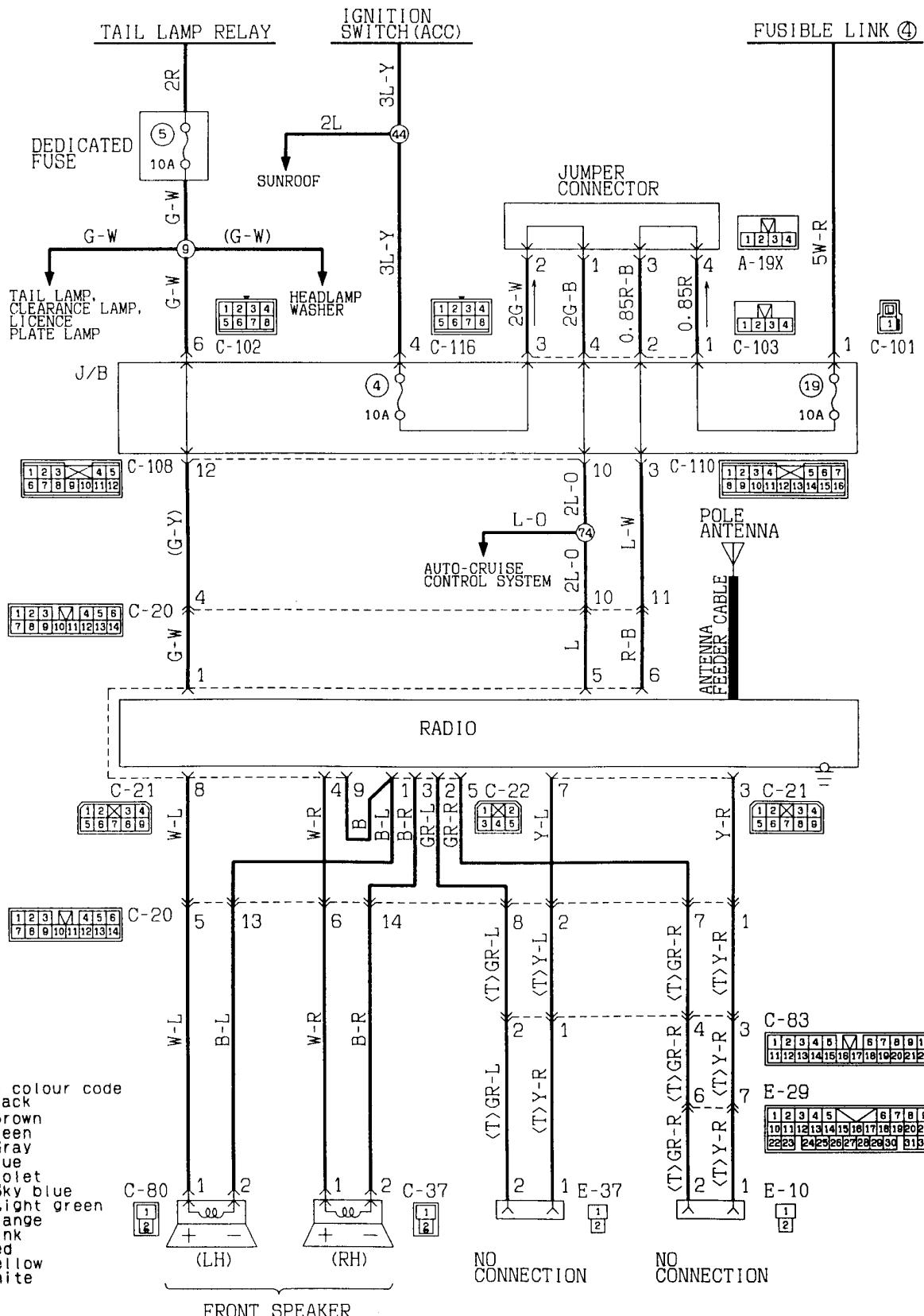


KX35-AC-01427A-EC

RADIO AND TAPE PLAYER

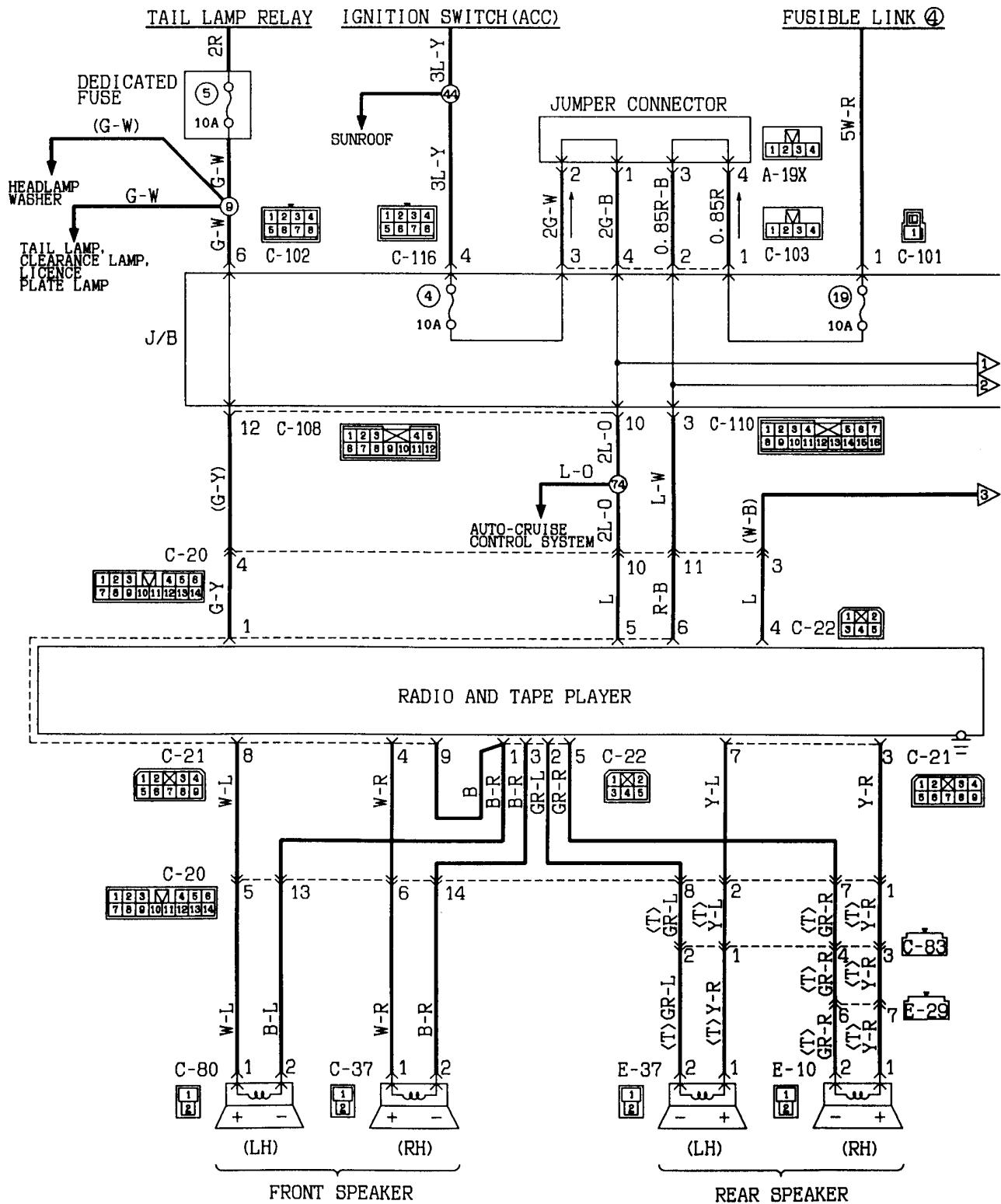
< L. H. drive vehicles (AM/FM radio and tape player) >
(CONTINUED)

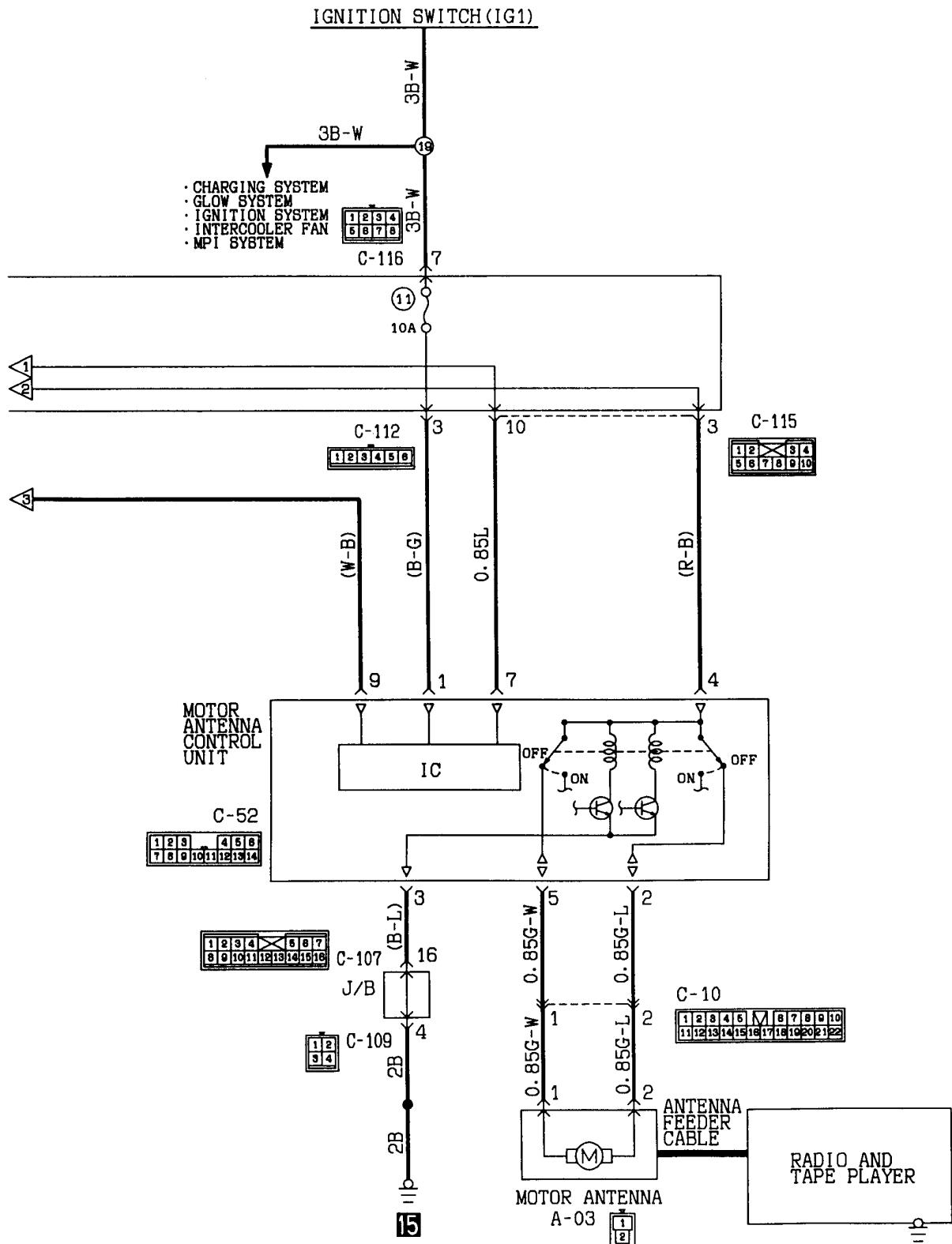


RADIO AND TAPE PLAYER
 R. H. drive vehicles (AM/FM radio)


RADIO AND TAPE PLAYER

R. H. drive vehicles <LW/MW/FM radio and tape player>

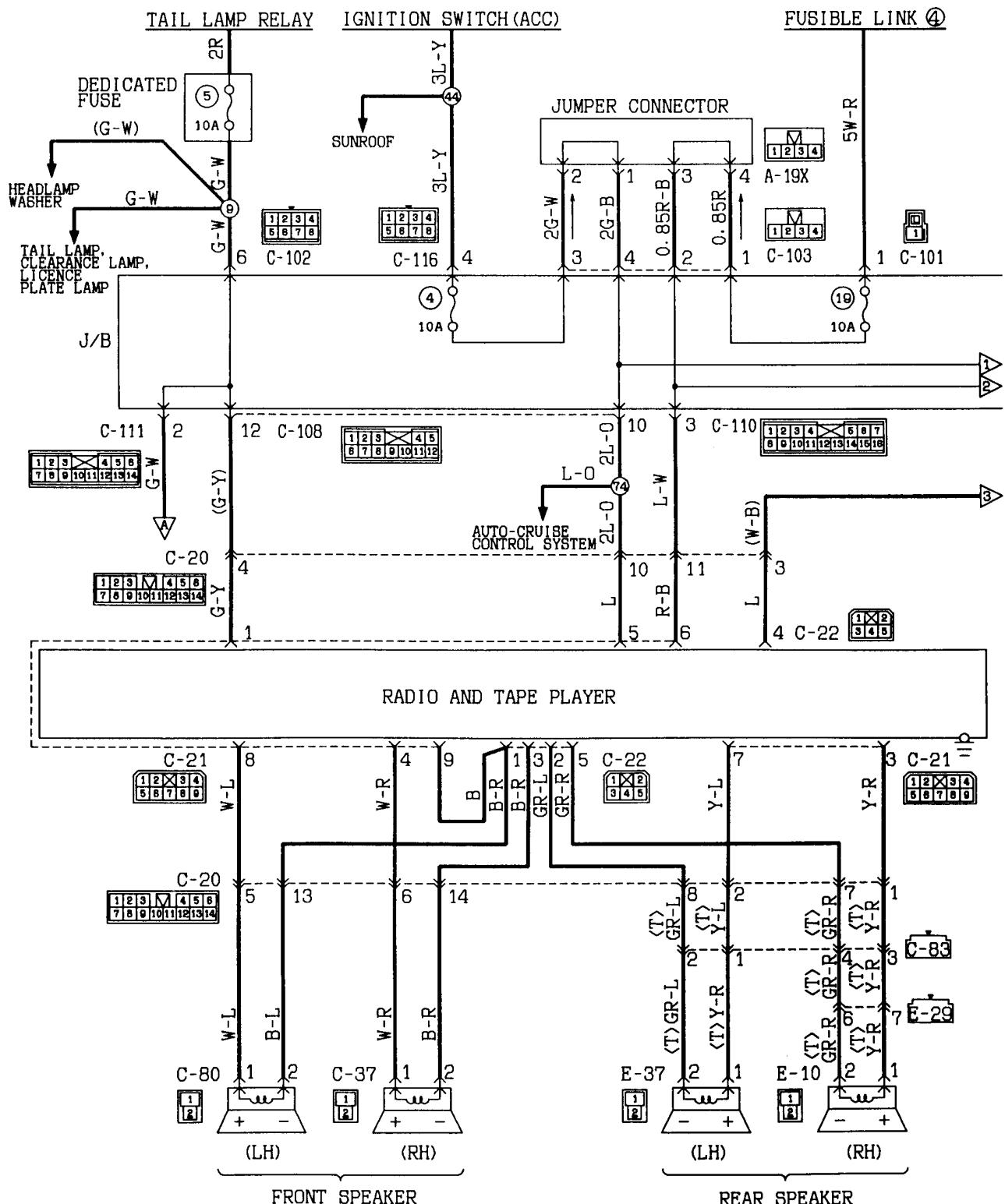


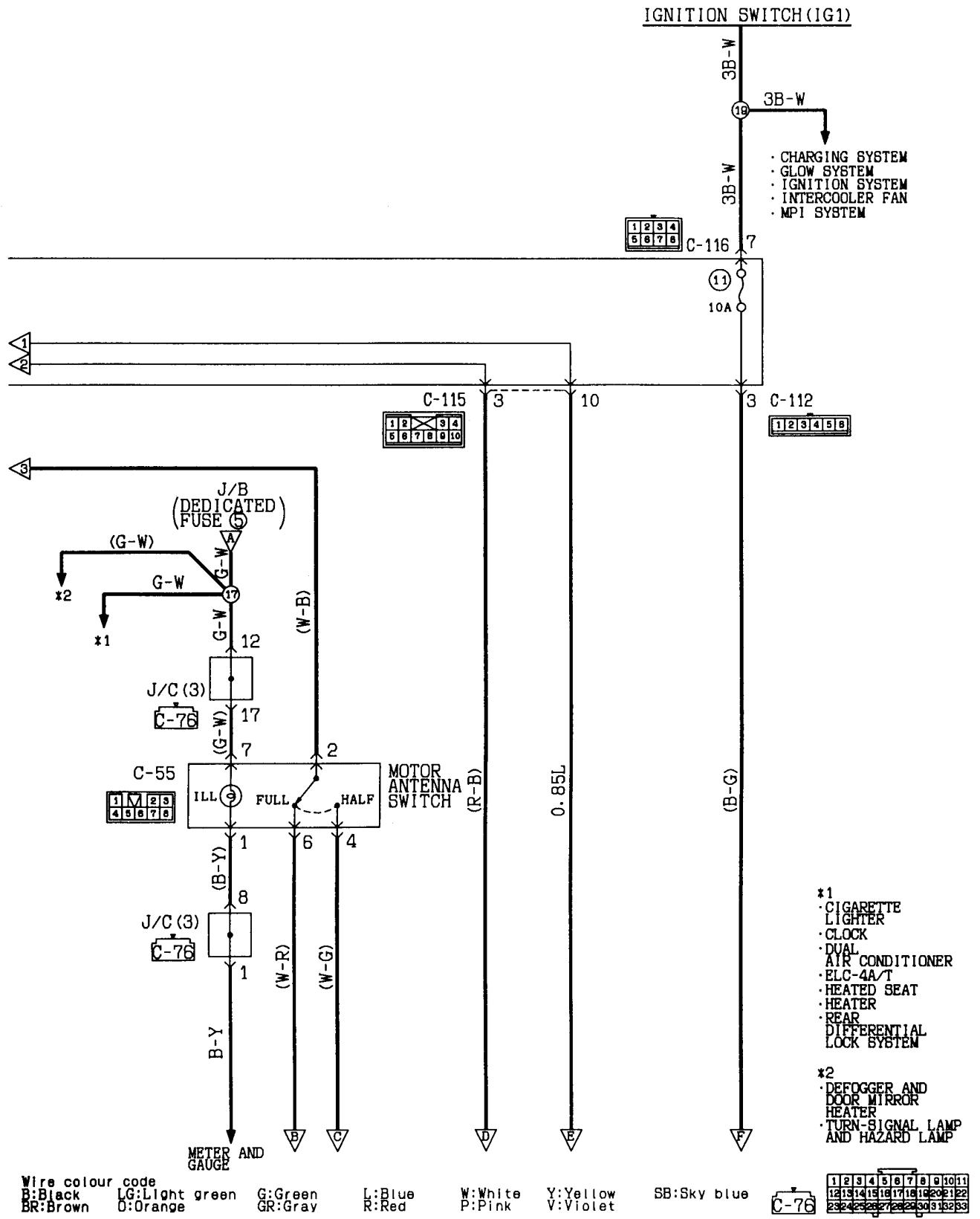


Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

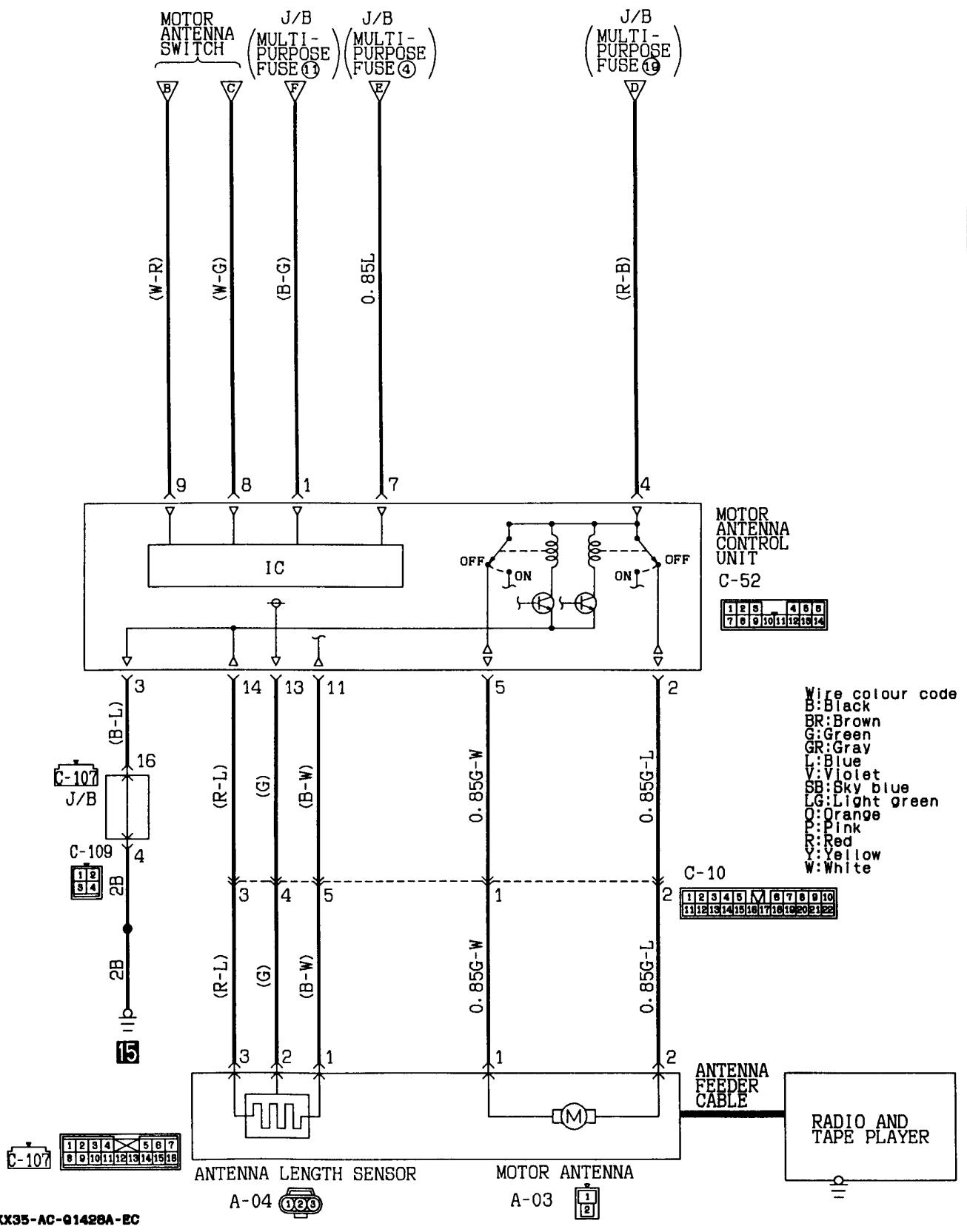
RADIO AND TAPE PLAYER

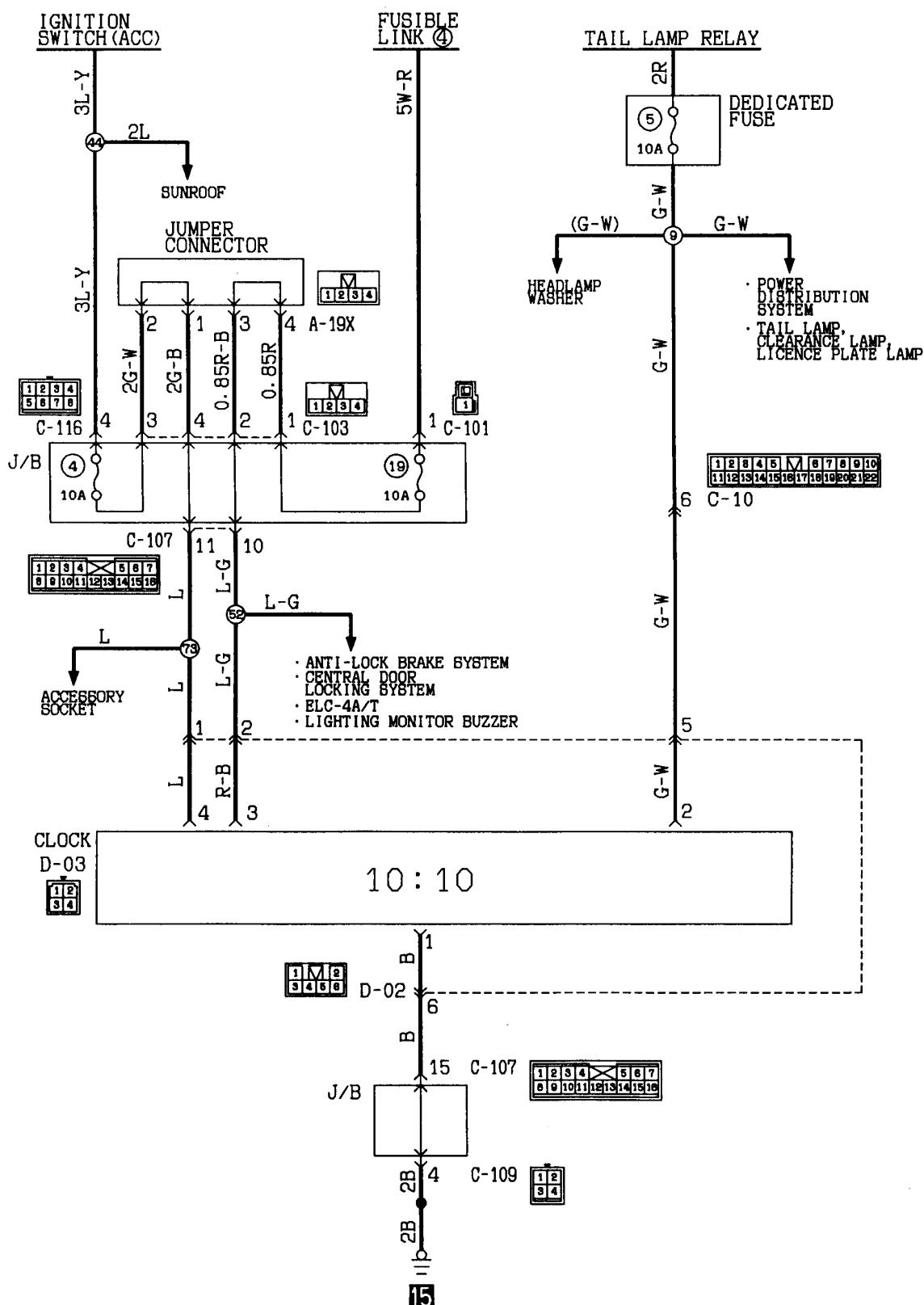
R. H. drive vehicles<AM/FM radio and tape player>





RADIO AND TAPE PLAYER

< R. H. drive vehicles (AM/FM radio and tape player) >
(CONTINUED)

CLOCK
L. H. drive vehicles


Wire colour code

B:Black

BR:Brown

LG:Light green

O:Orange

G:Green

GR:Gray

L:Blue

R:Red

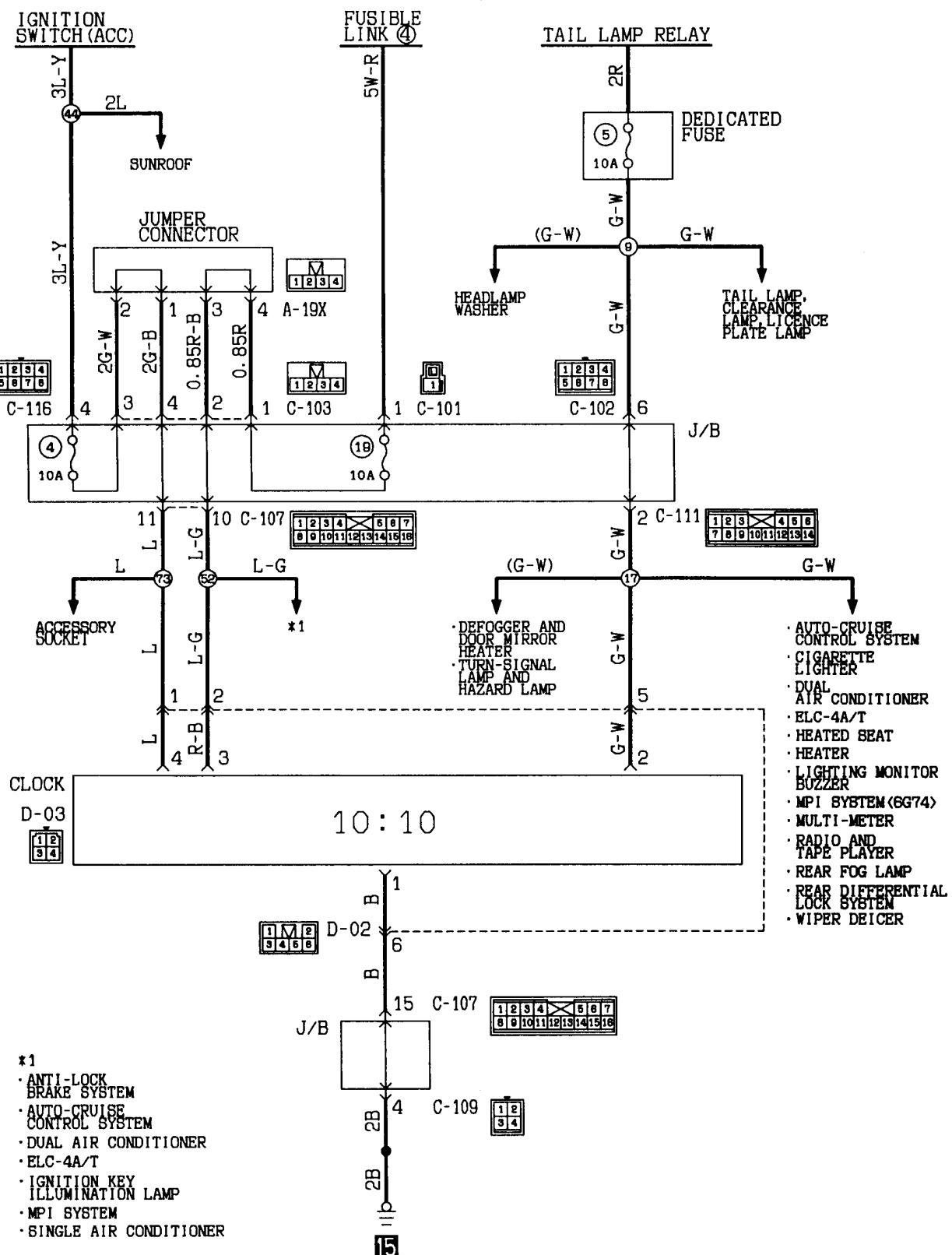
W:White

P:Pink

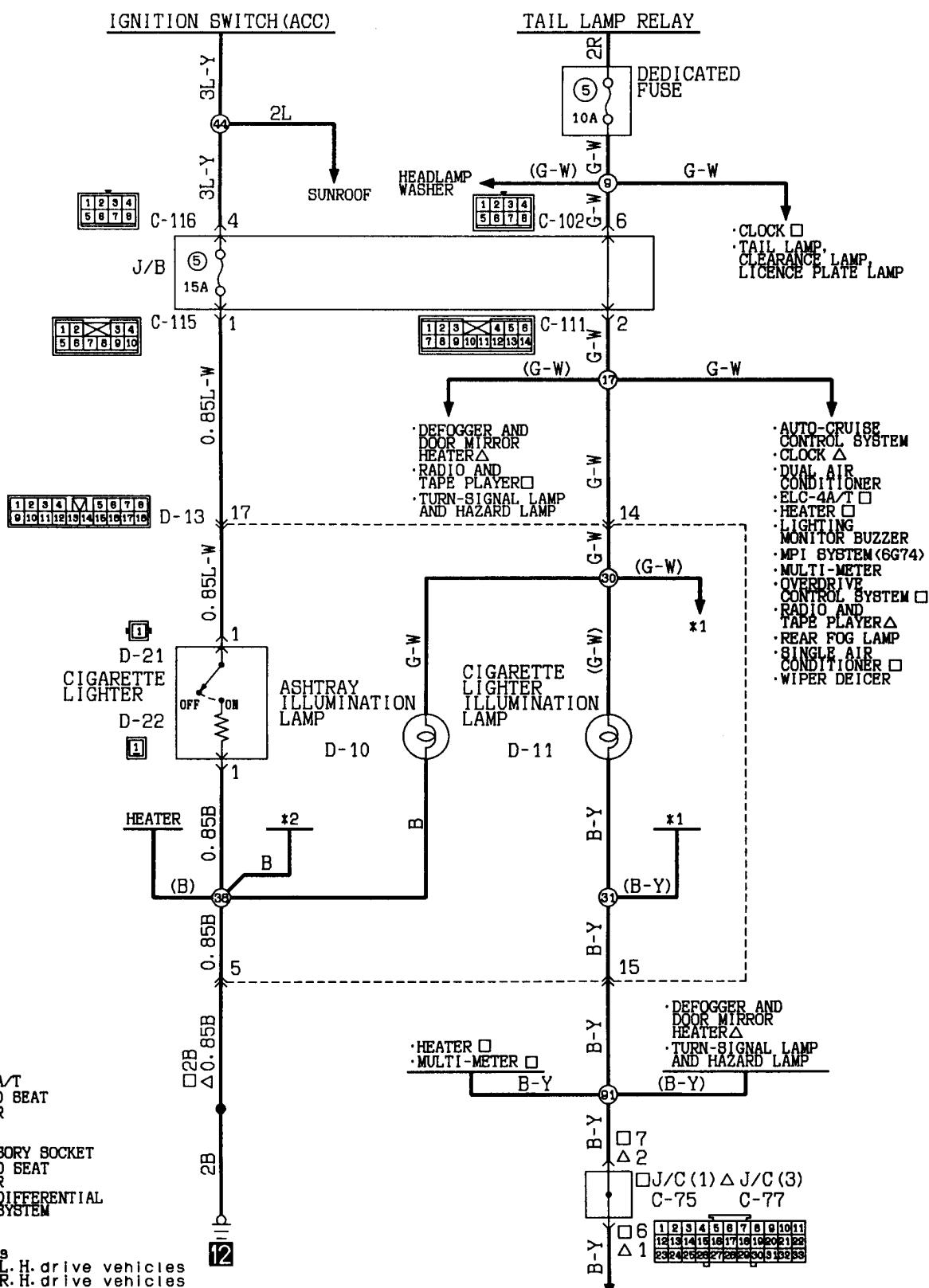
Y:Yellow

V:Violet

BB:Sky blue

CLOCK
R. H. drive vehicles


CIGARETTE LIGHTER



Remarks
(1) : L. H. drive vehicles
(2) : R. H. drive vehicles

EX25-AC-21415-EG

Wire colour code

Wire colour code
B:Black LG:Light green

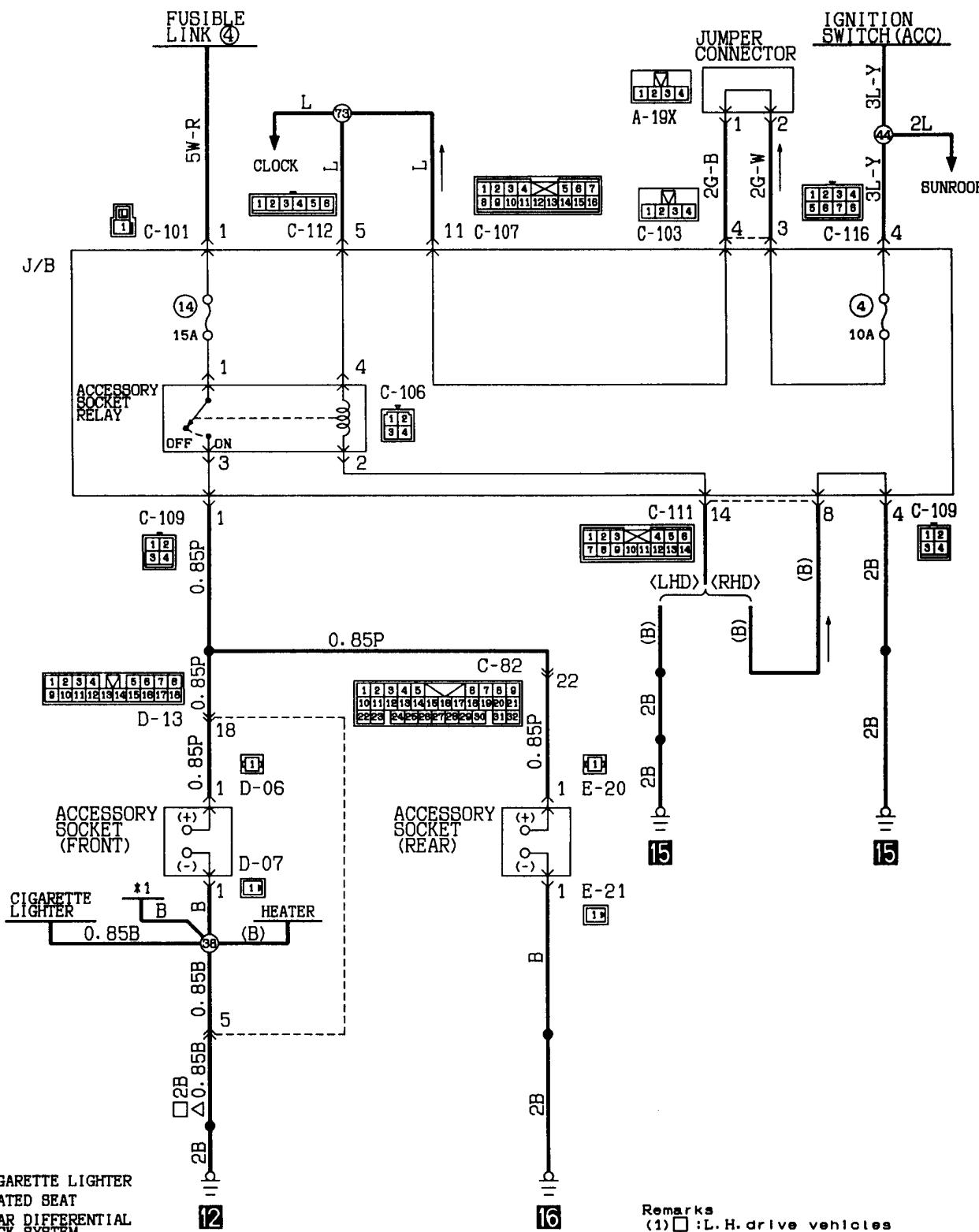
G:Green

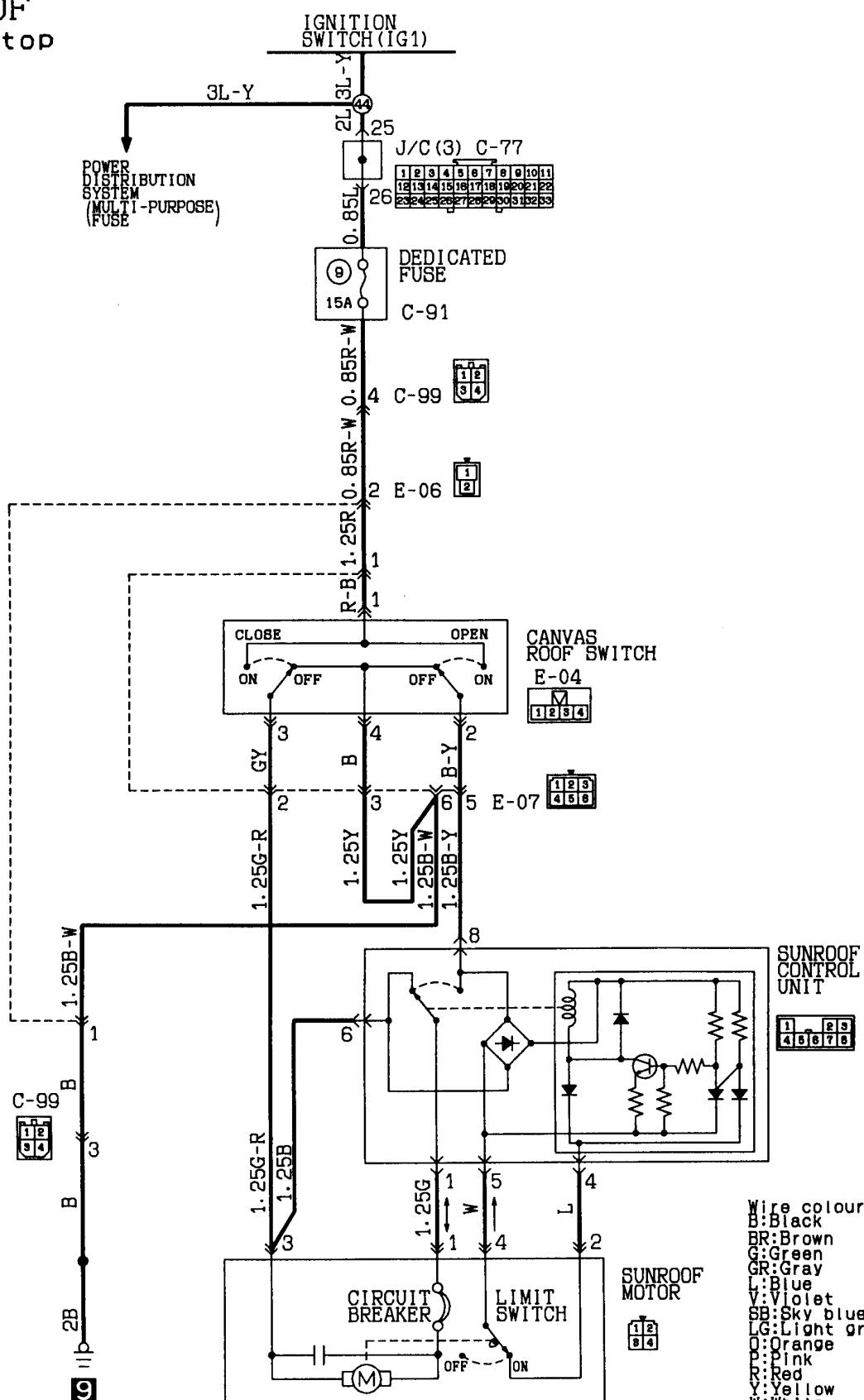
GAUGE

:Blue

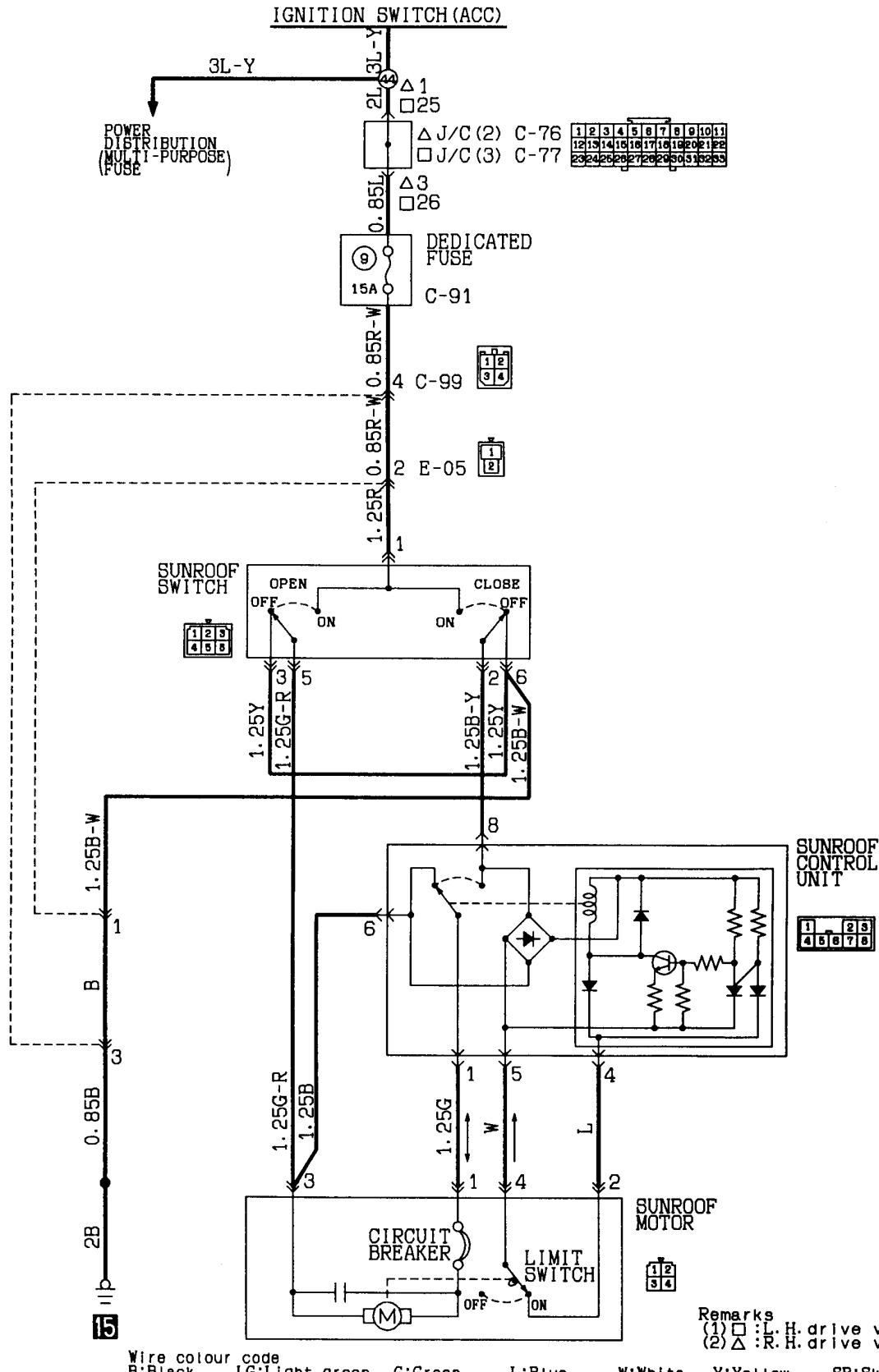
W:White
B:Black

ACCESSORY SOCKET



SUNROOF
Canvas top


SUNROOF
4-door models



Wire colour code
B:Black LG:L
BR:Brown O:Or

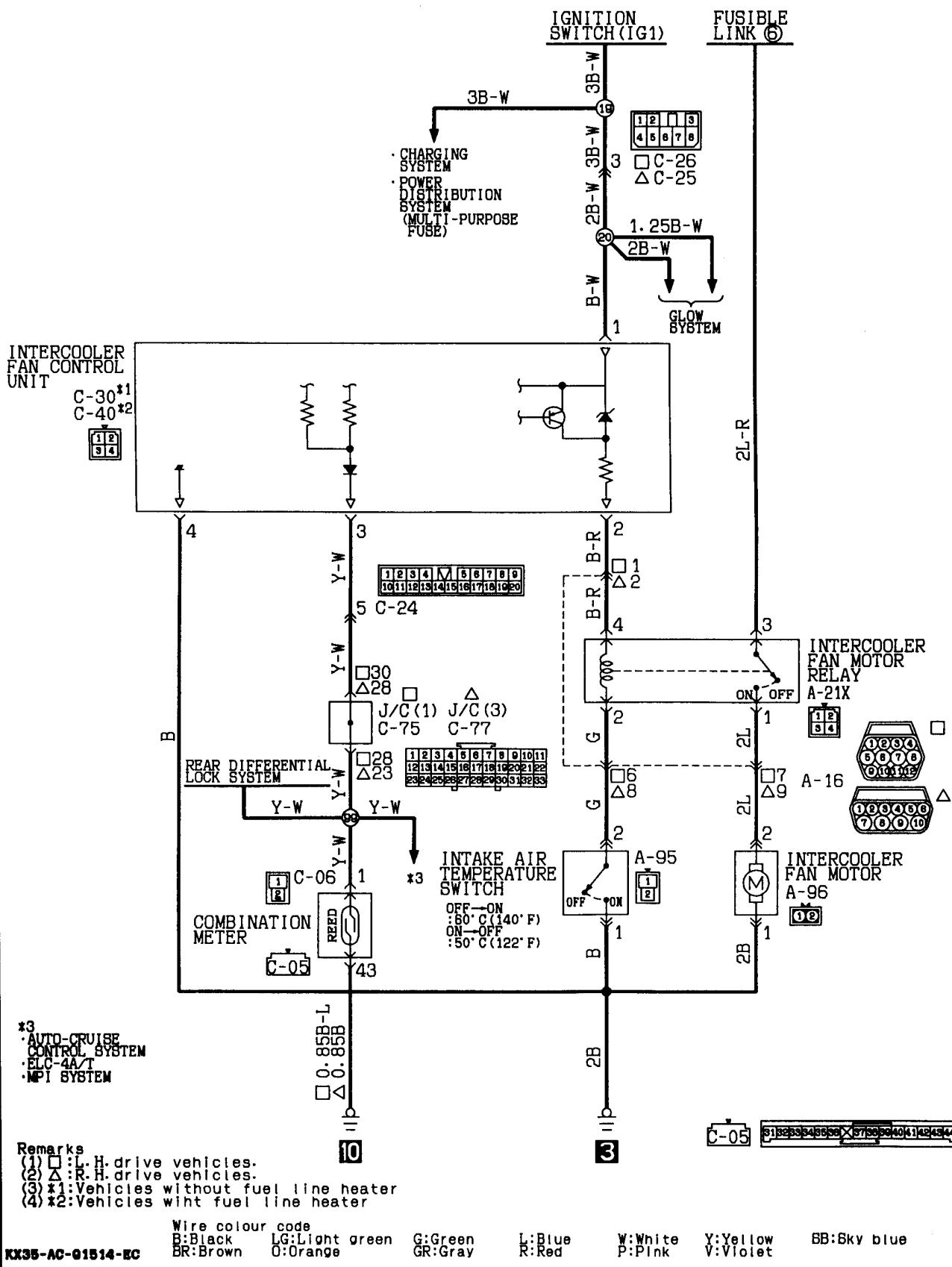
ht green G:Green
ge GR:Gray

L:Blue
R:Red

W:White
P:Pink

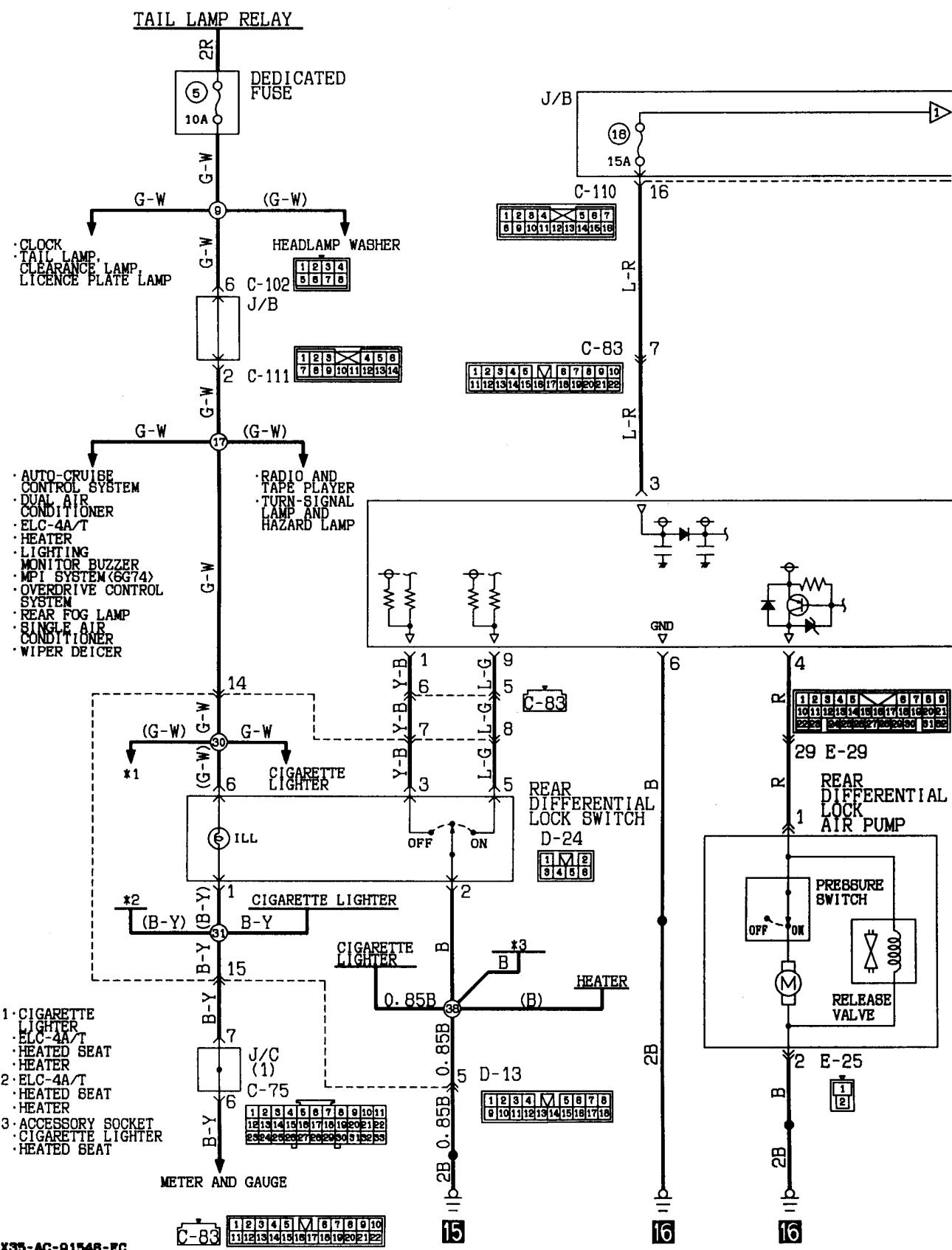
Remarks
(1) : L. H. drive vehicles
(2) : R. H. drive vehicles

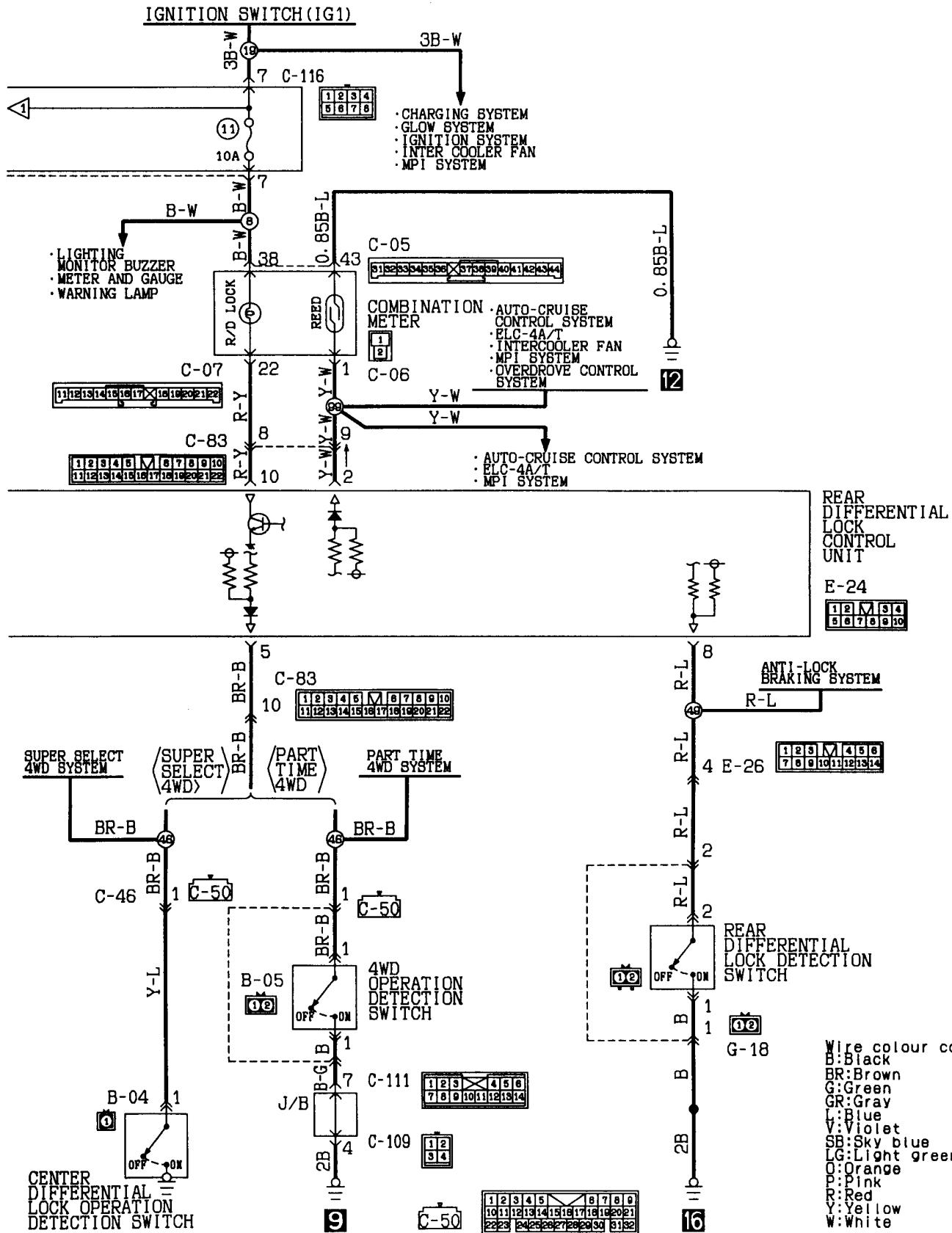
INTERCOOLER FAN



REAR DIFFERENTIAL LOCK SYSTEM

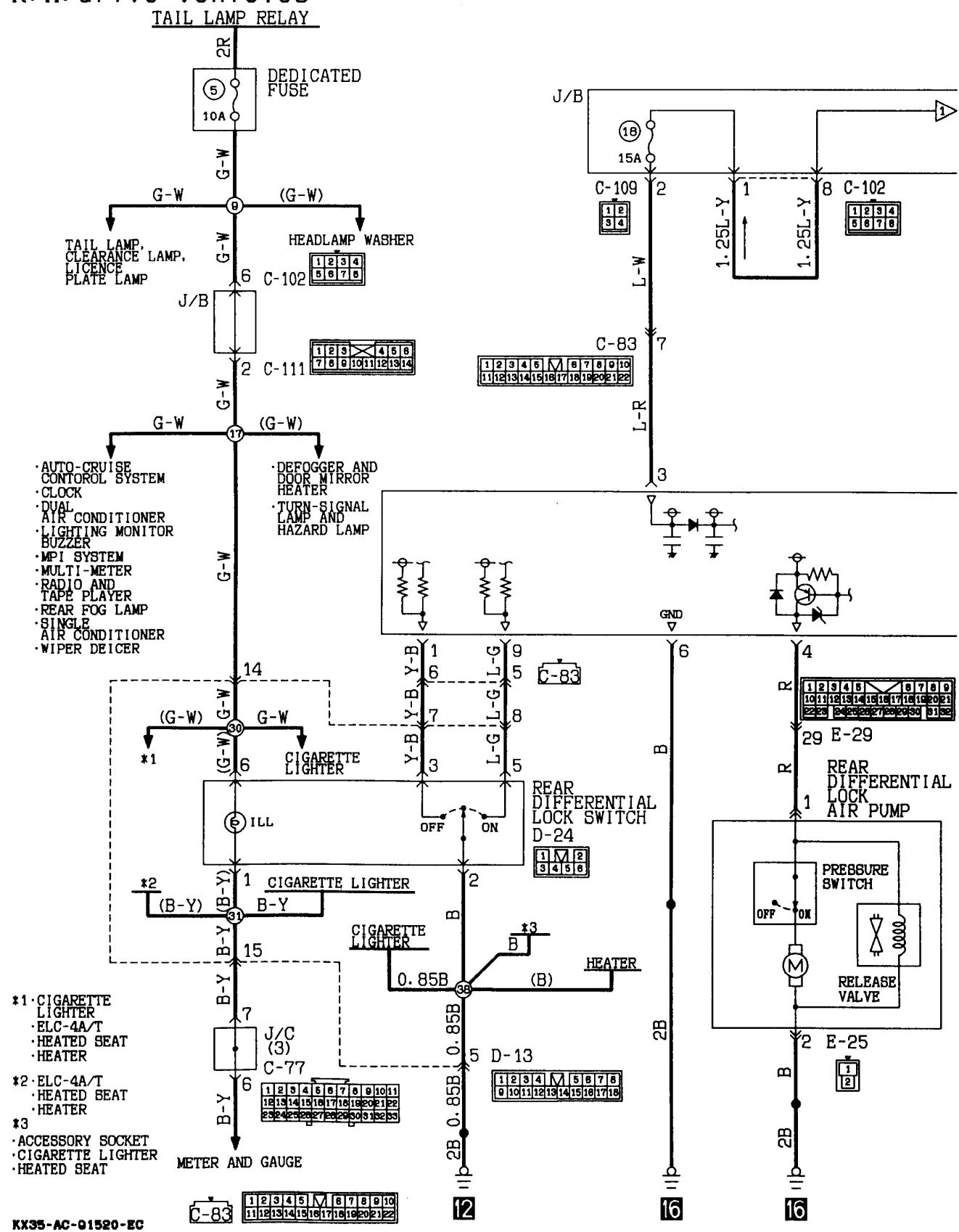
L. H. drive vehicles

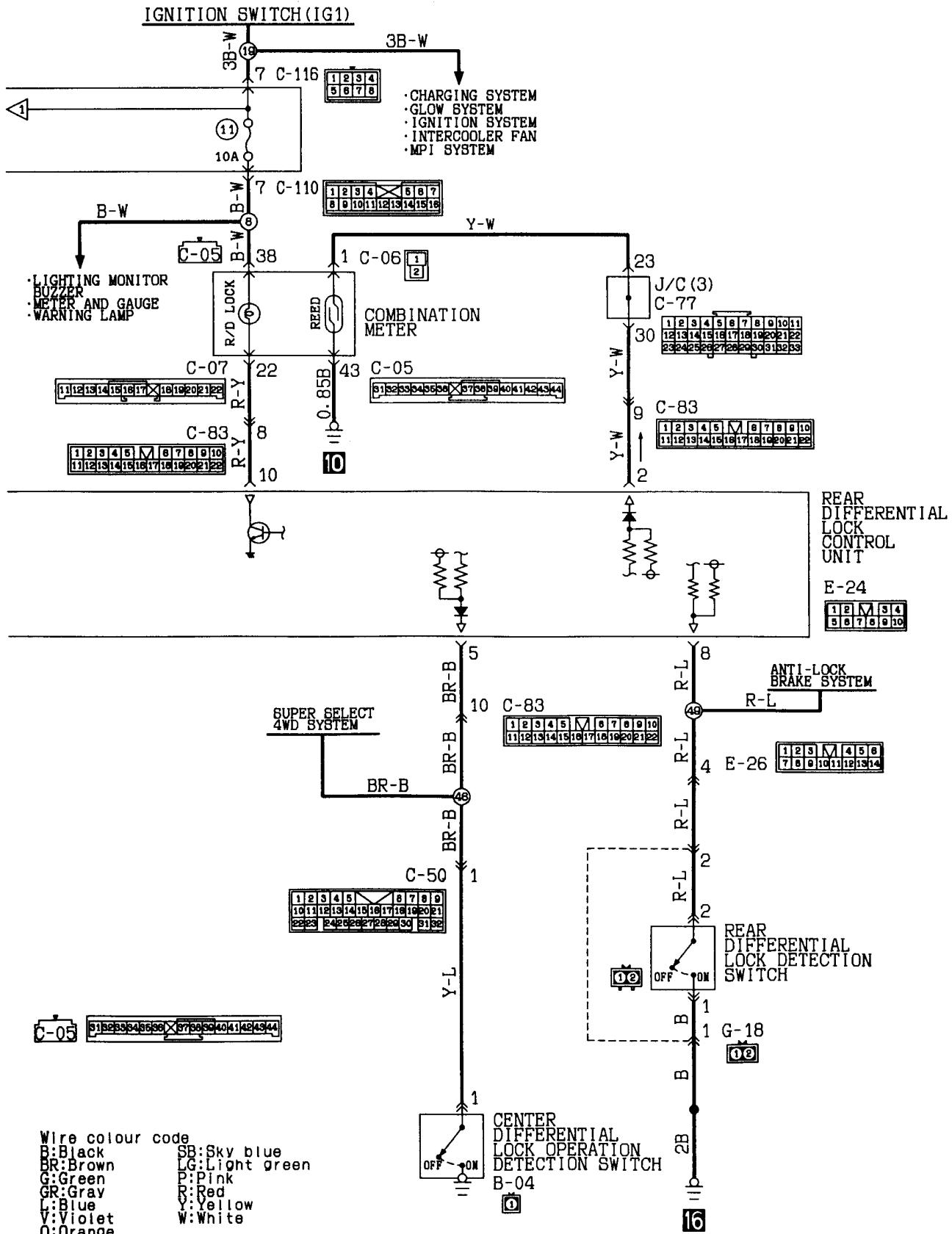




REAR DIFFERENTIAL LOCK SYSTEM

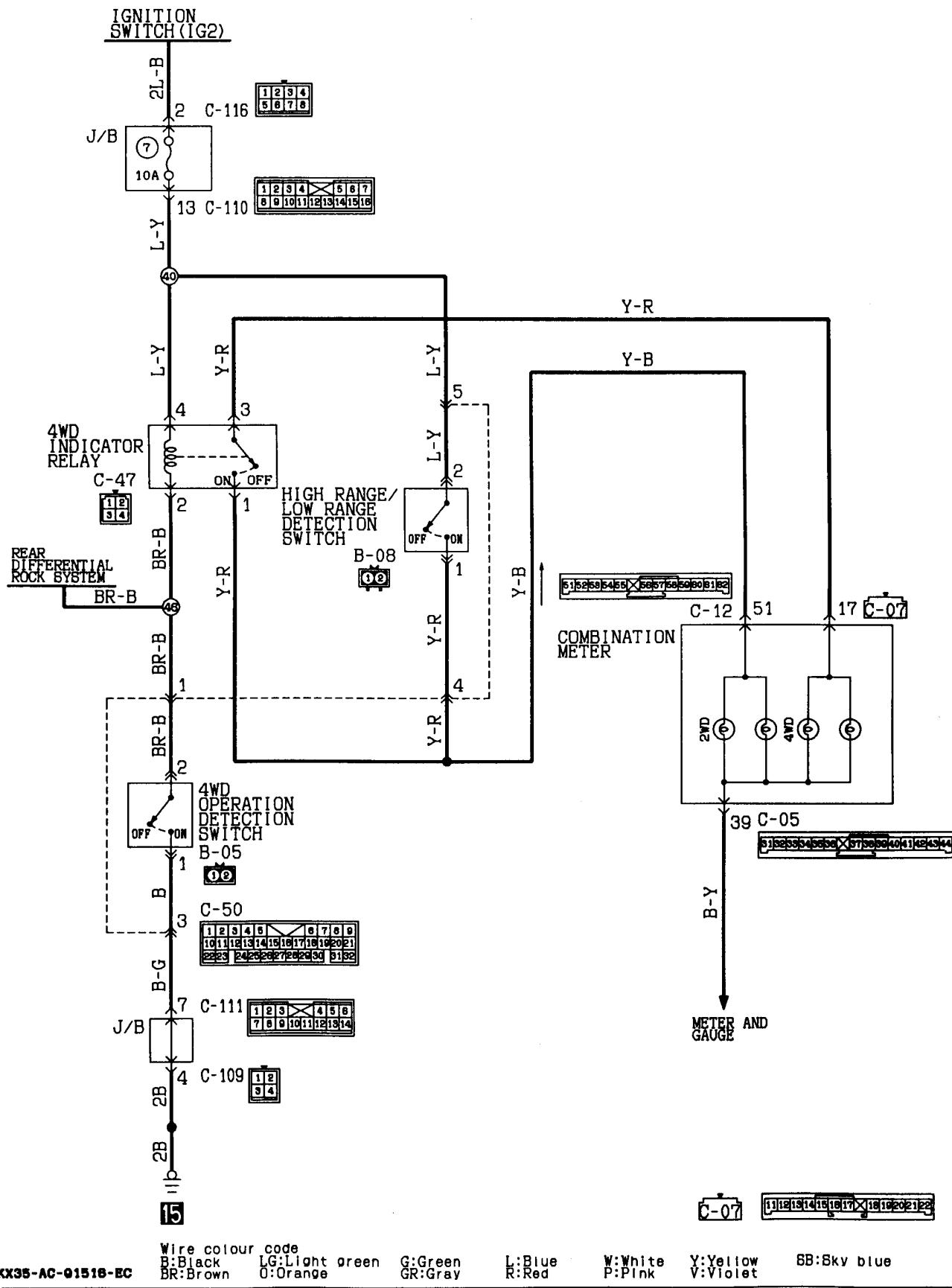
R. H. drive vehicles





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

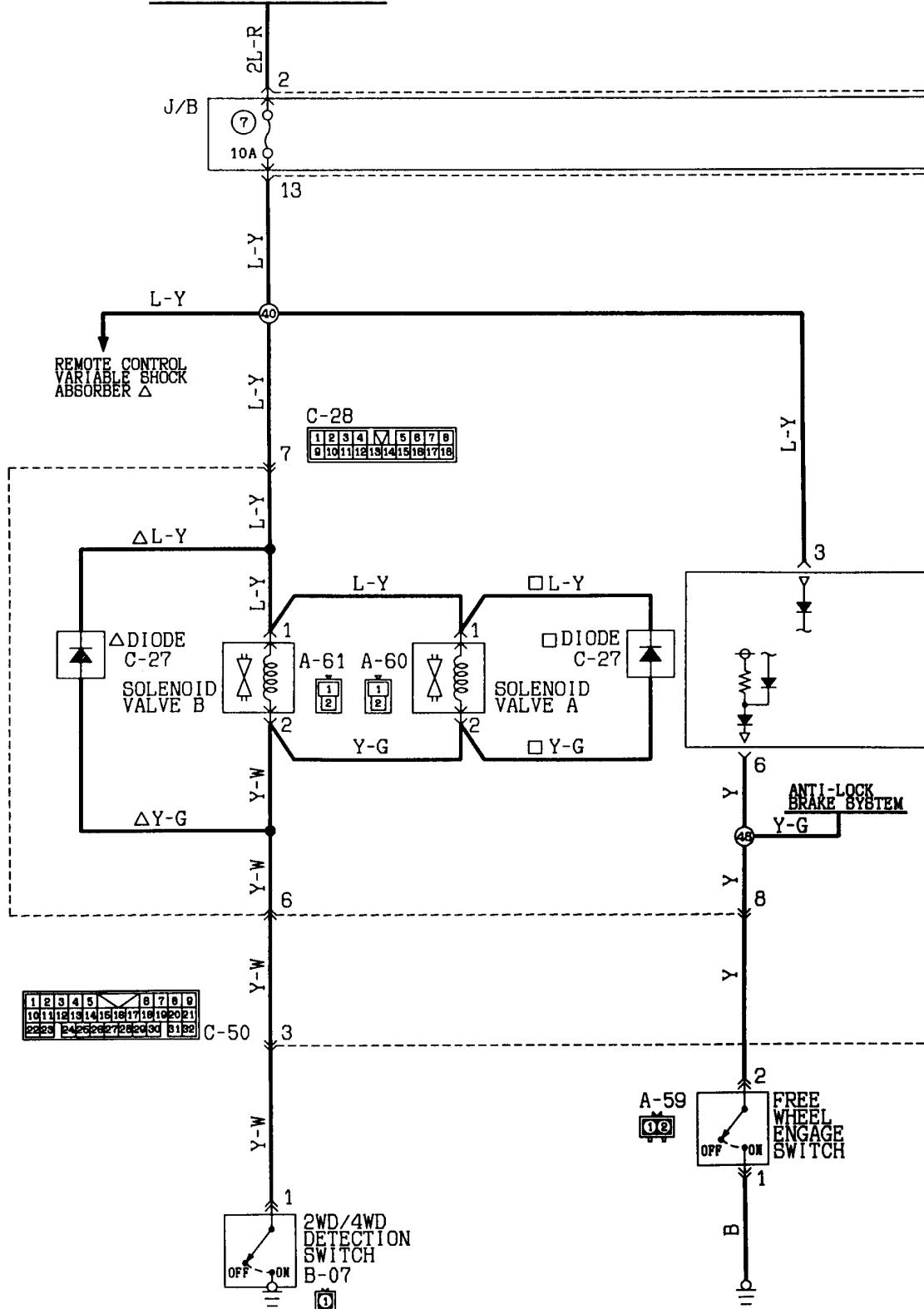
PART TIME 4WD SYSTEM



NOTES

SUPER SELECT 4WD SYSTEM

IGNITION SWITCH (IG2)

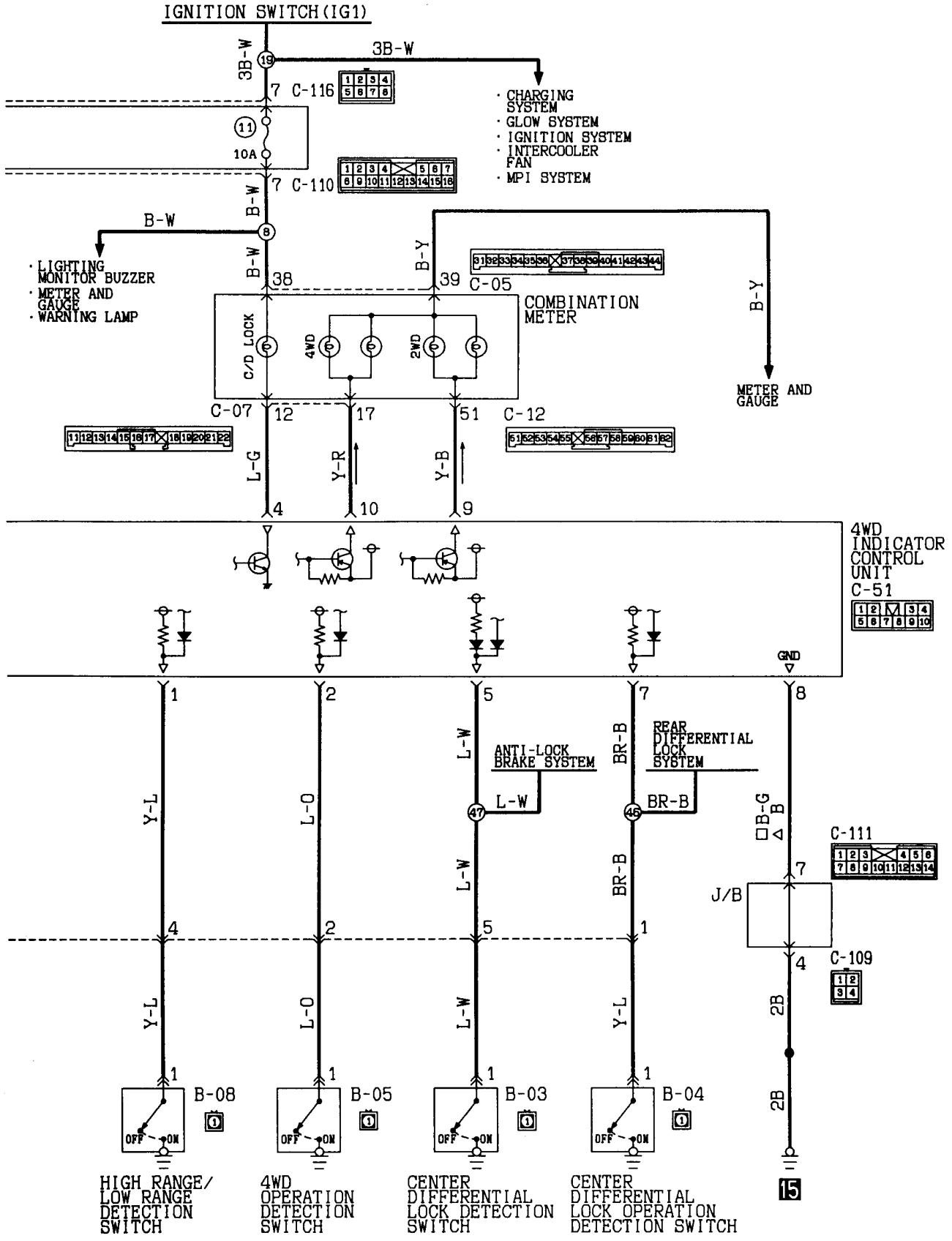


Remarks

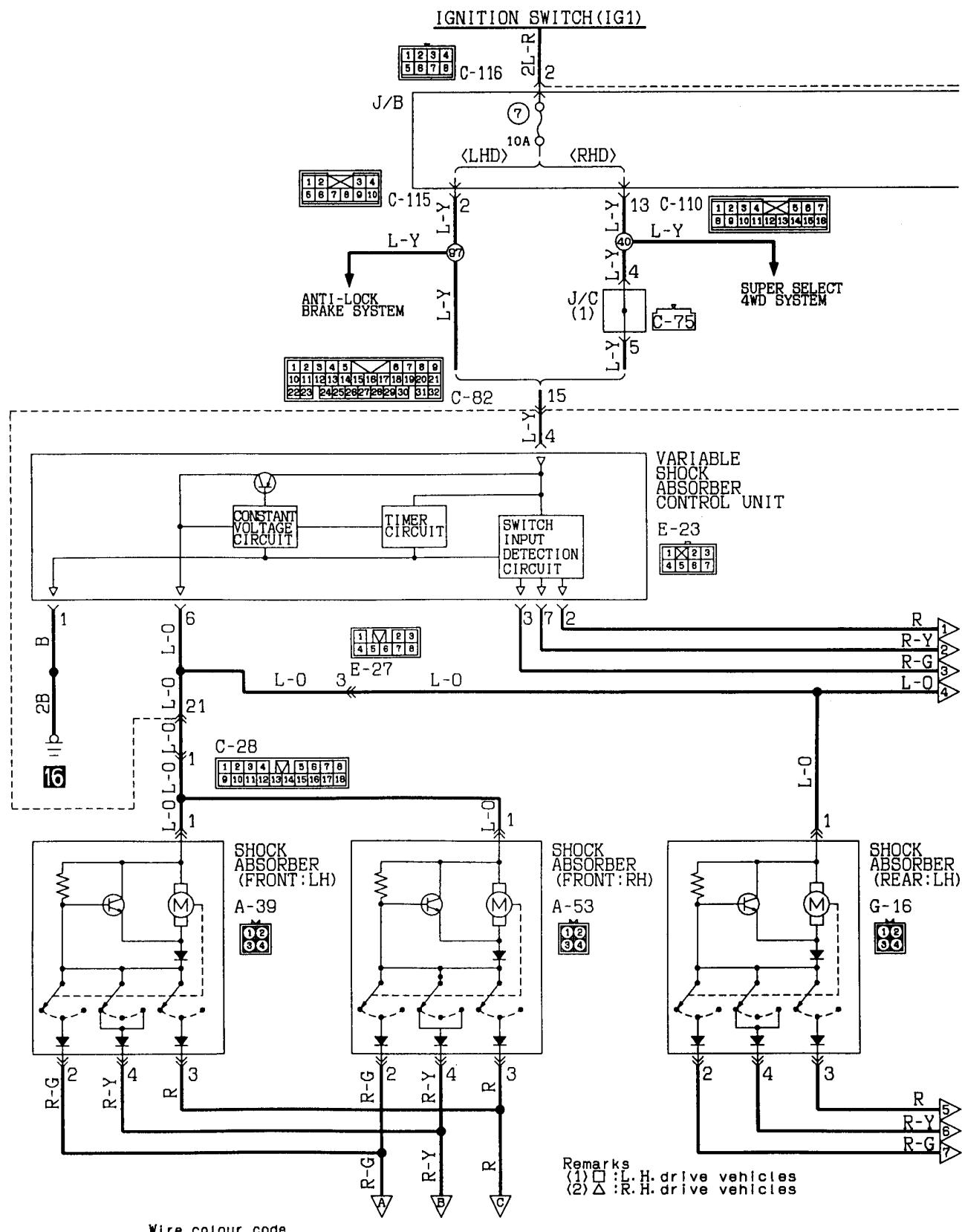
- (1) □: L.H. drive vehicles
 (2) Δ: R.H. drive vehicles

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	

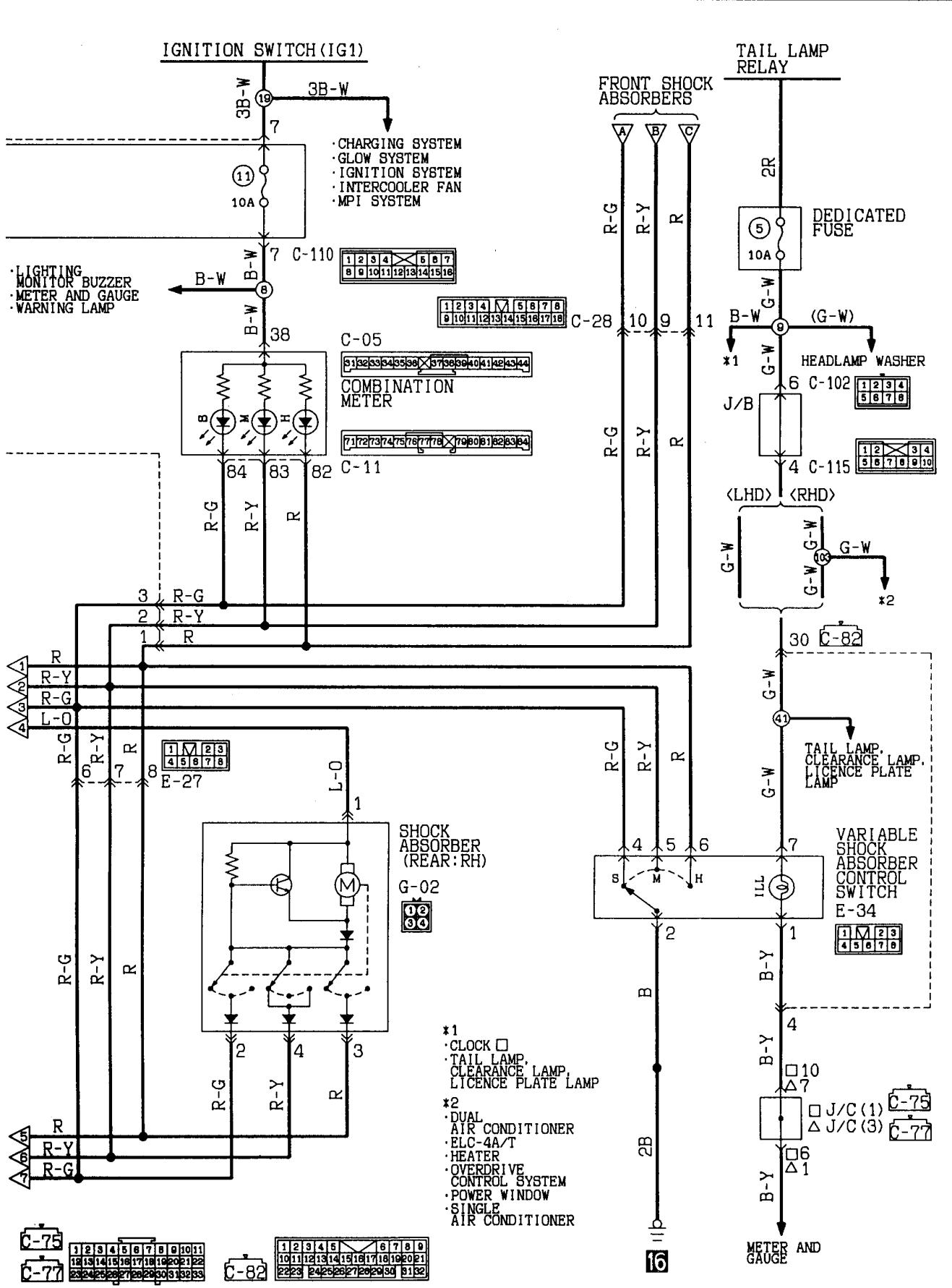


REMOTE CONTROLLED VARIABLE SHOCK ABSORBERS SYSTEM



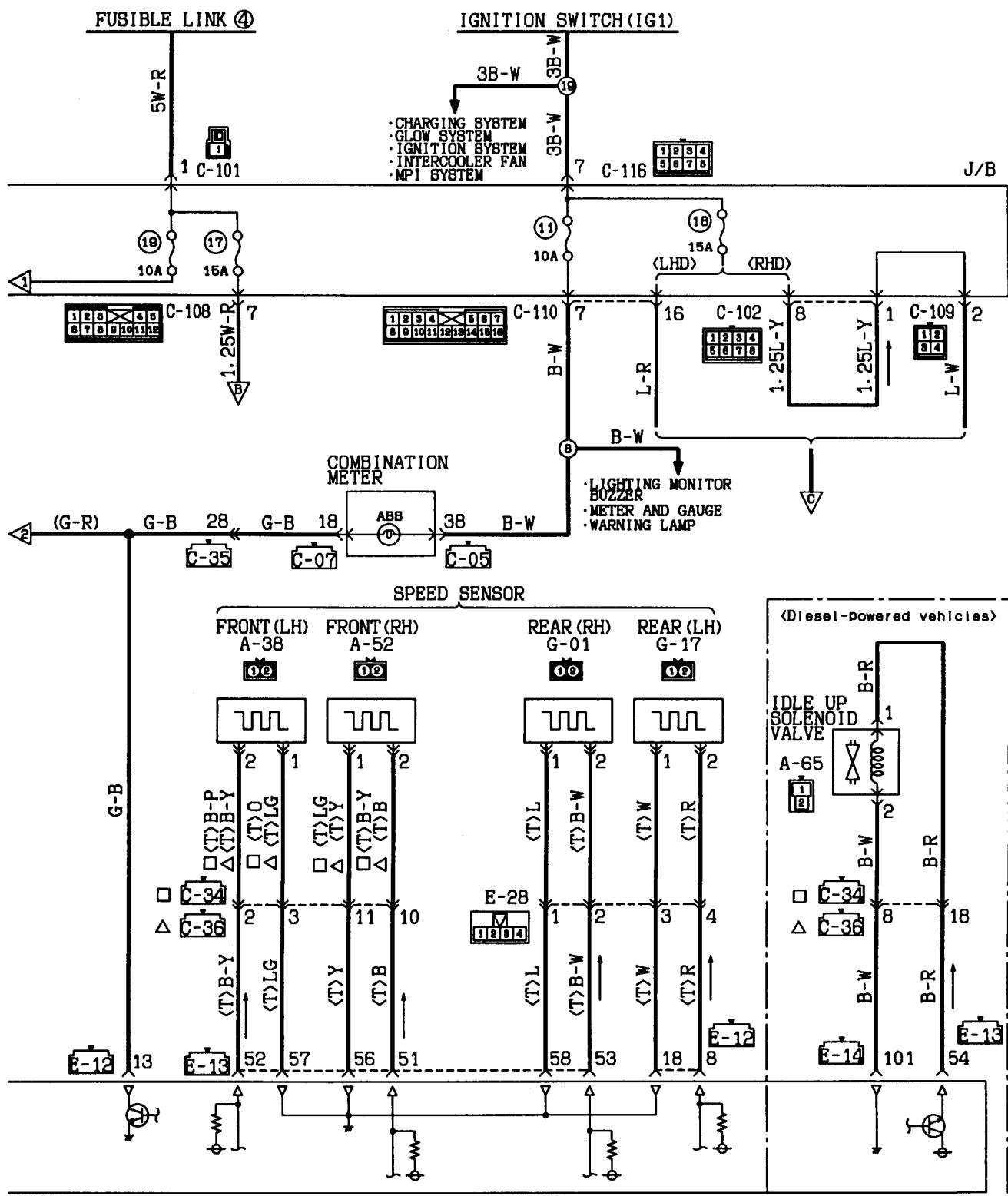
CIRCUIT DIAGRAM

4A-307



CIRCUIT DIAGRAM

4A-309



C-05 313263345656 X 3733534041424544

C-07 11 12 13 14 15 16 17 X 18 19 20 21 22

C-34 C-36

A digital display showing the number 42. The display is a seven-segment numeric indicator with a small 'A' character positioned above the digit '4'. The segments are labeled 1 through 7 from left to right.

315955 A 54 85

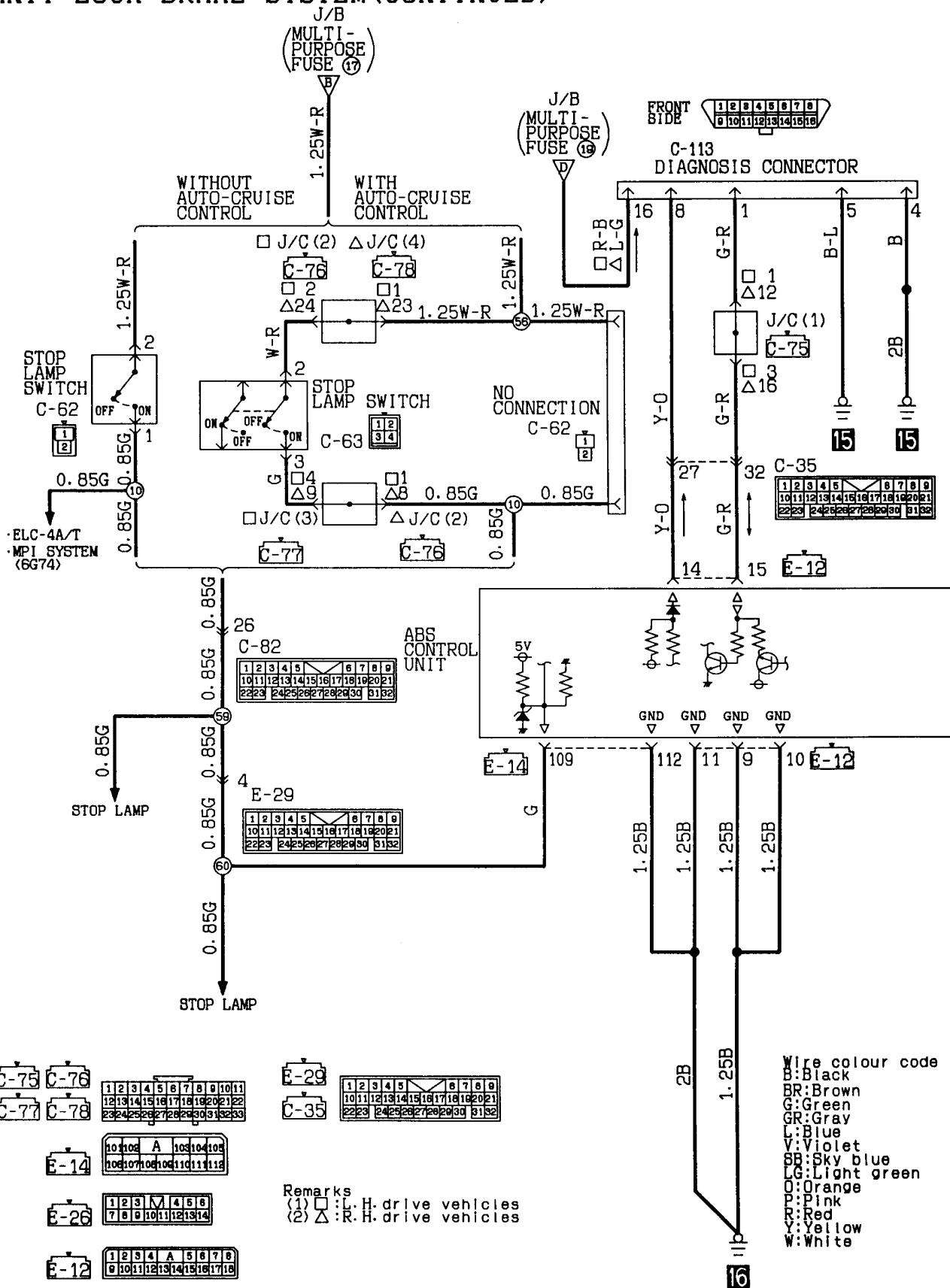
103103 A 103104105

Remarks

(1) L. H. drive vehicles

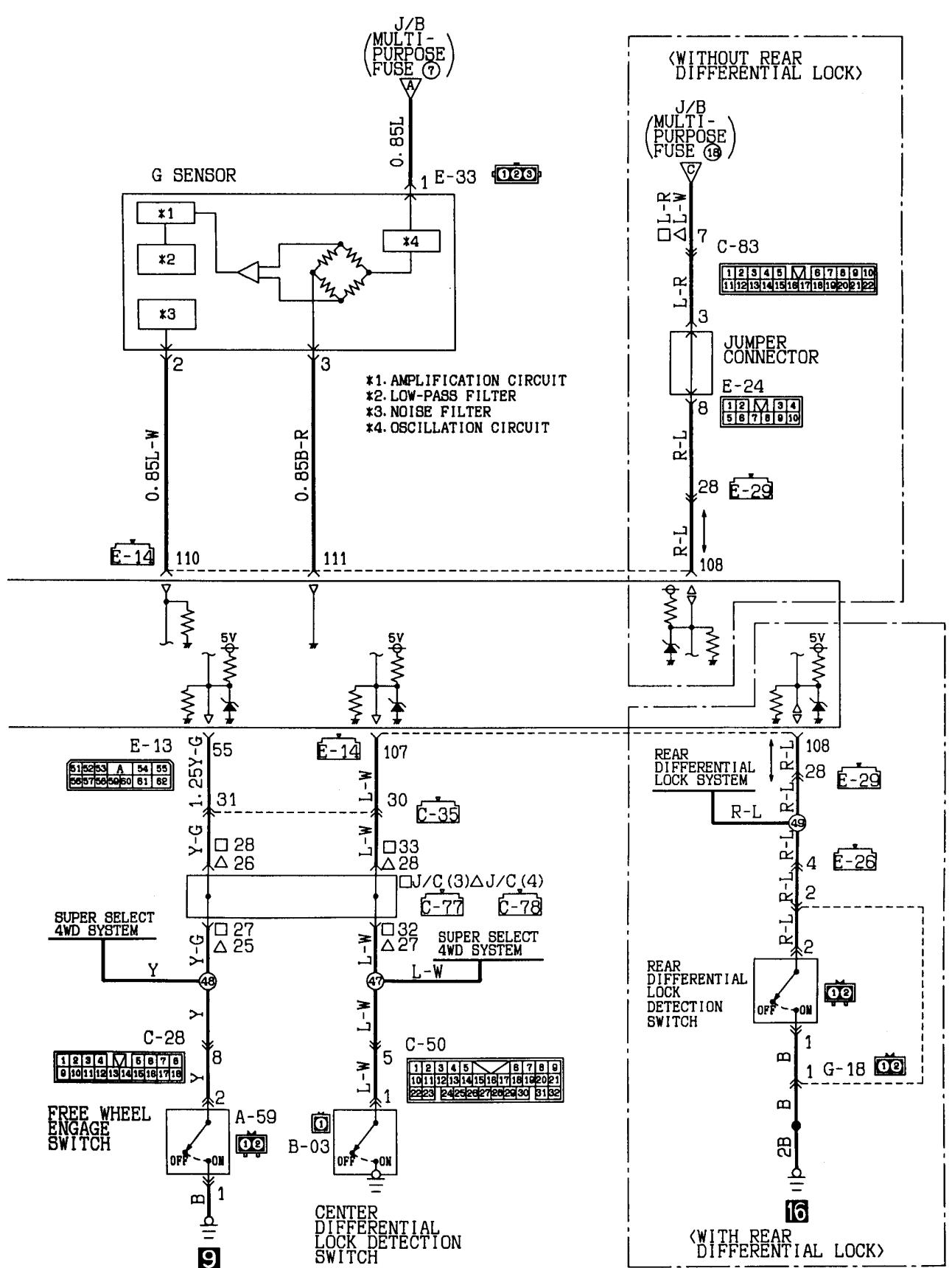
(2) Δ : R. H. drive vehicles

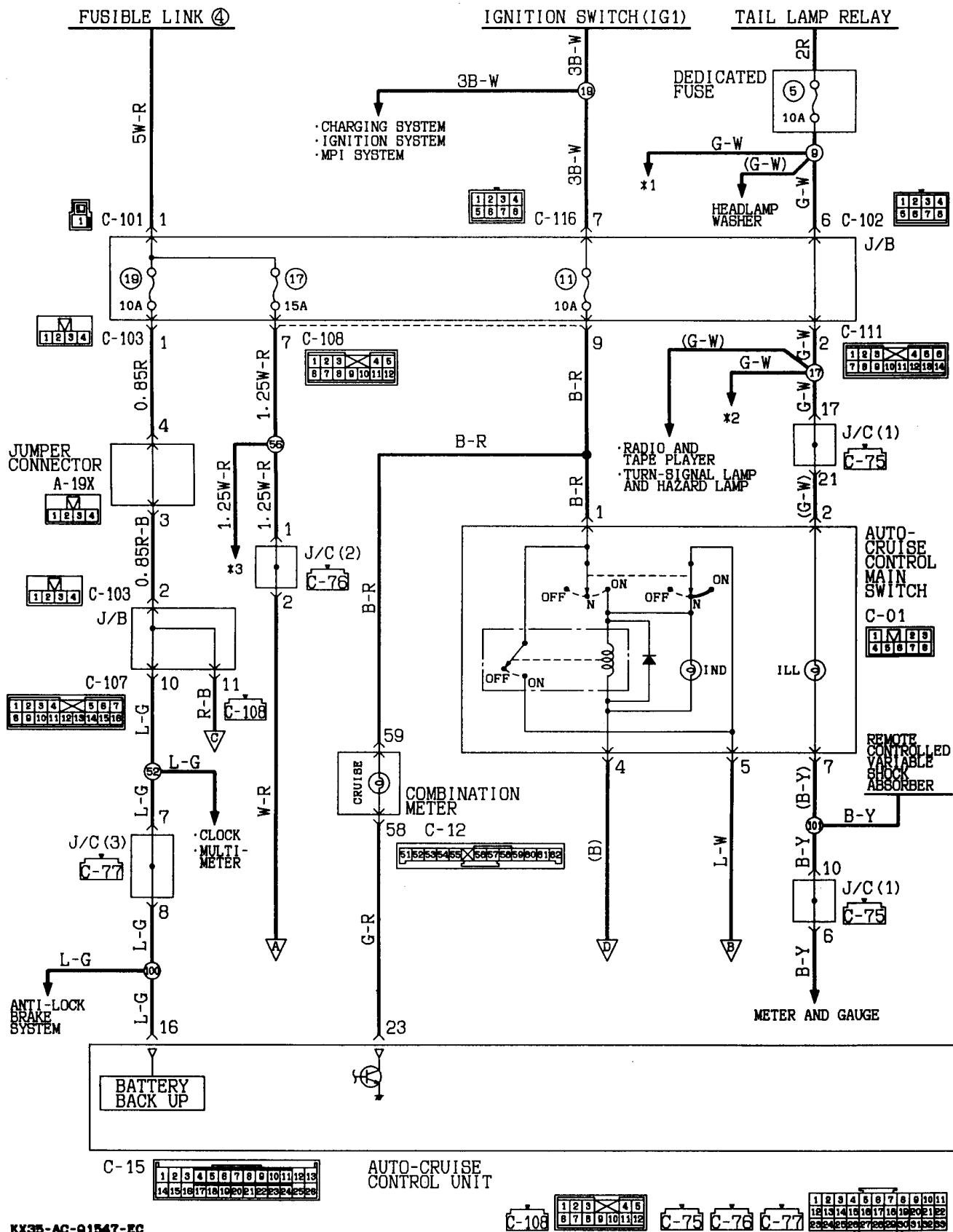
ANTI-LOCK BRAKE SYSTEM (CONTINUED)

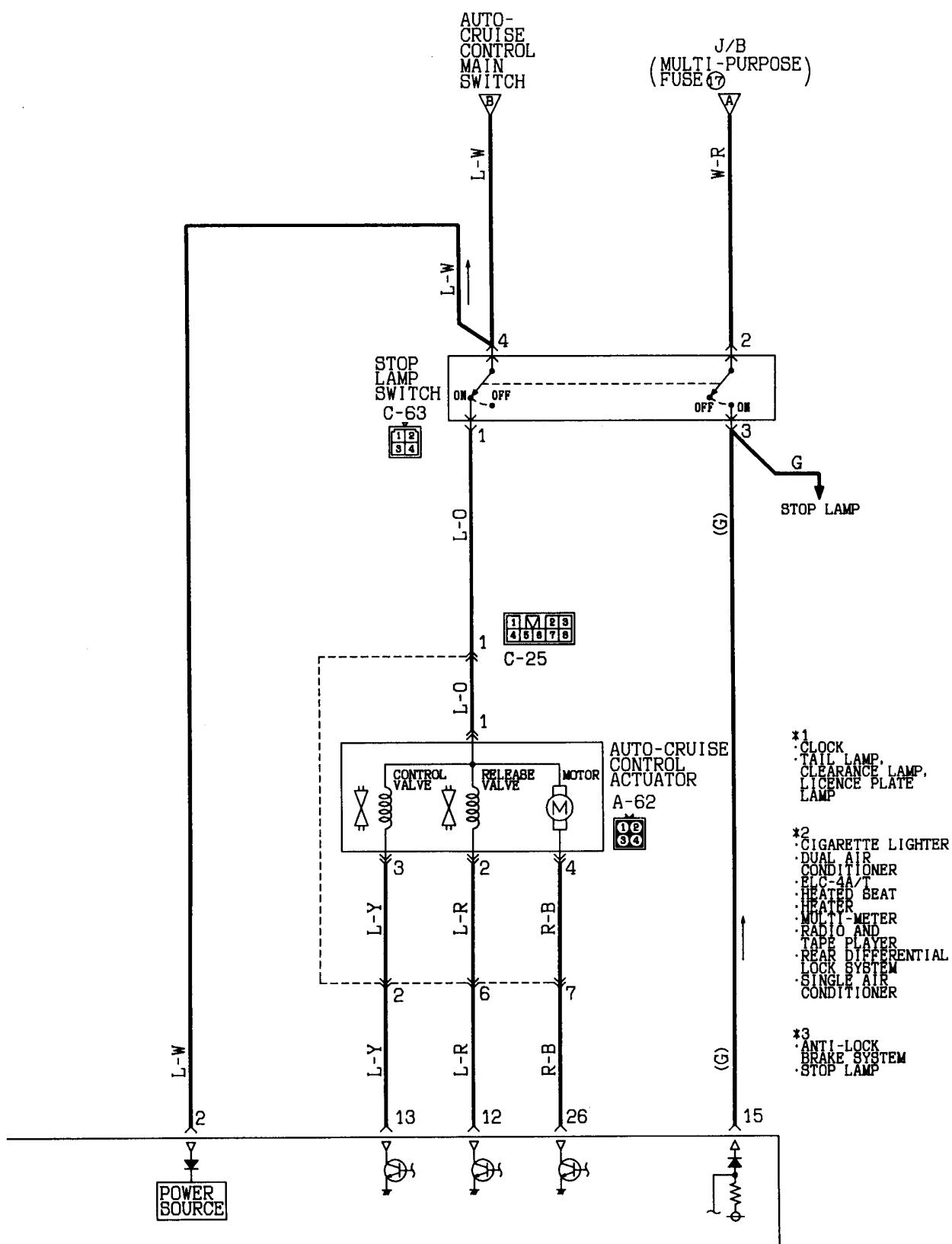


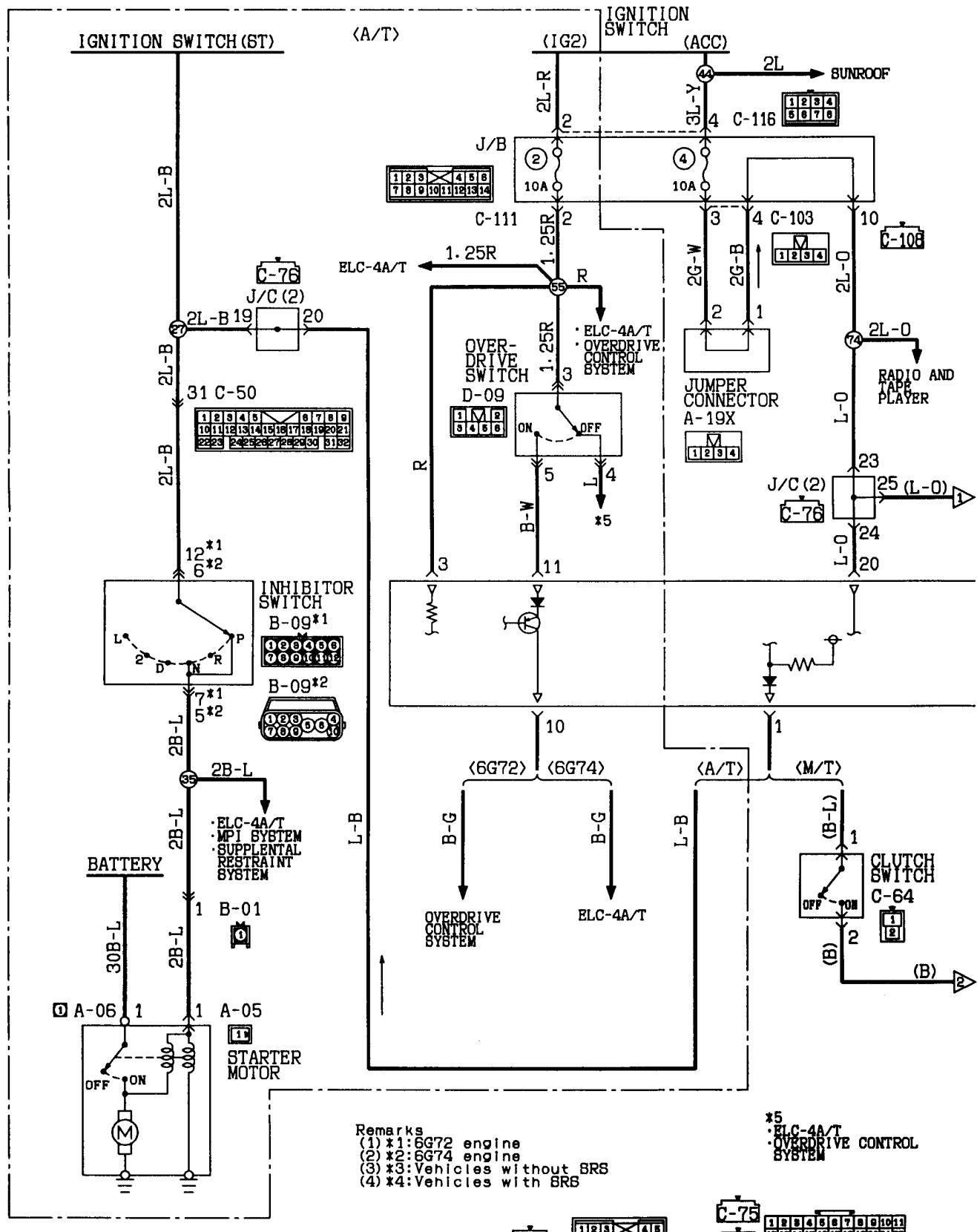
CIRCUIT DIAGRAM

4A-311



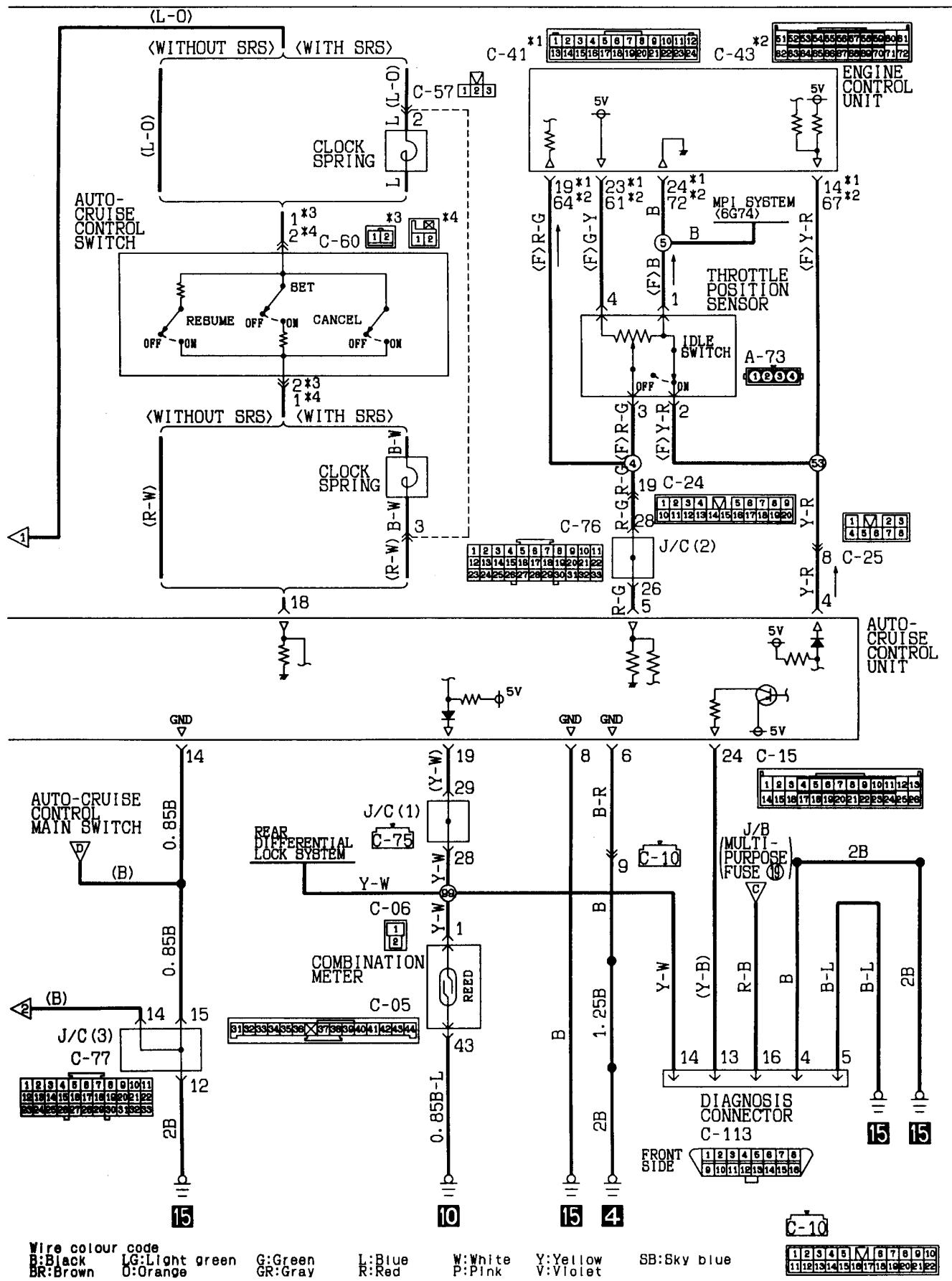
AUTO-CRUISE CONTROL SYSTEM
L. H. drive vehicles<Petrol-powered vehicles>




AUTO-CRUISE CONTROL SYSTEM
 < L. H. drive vehicles (Petrol-powered vehicles) > (CONTINUED)


CIRCUIT DIAGRAM

4A-315



Wire colour code

B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray

L:Blue
R:Red

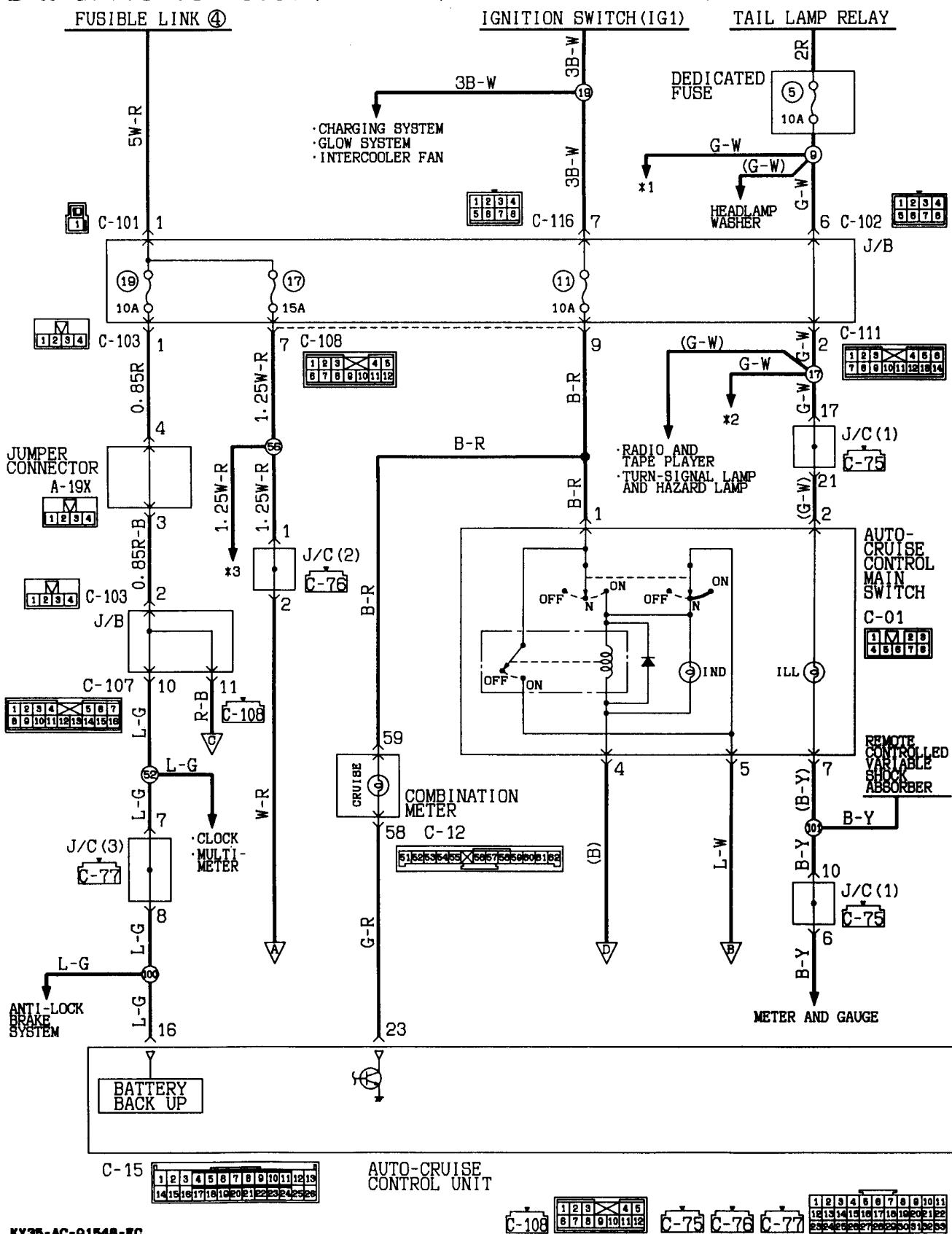
W:White Y:Yellow
P:Pink V:Violet

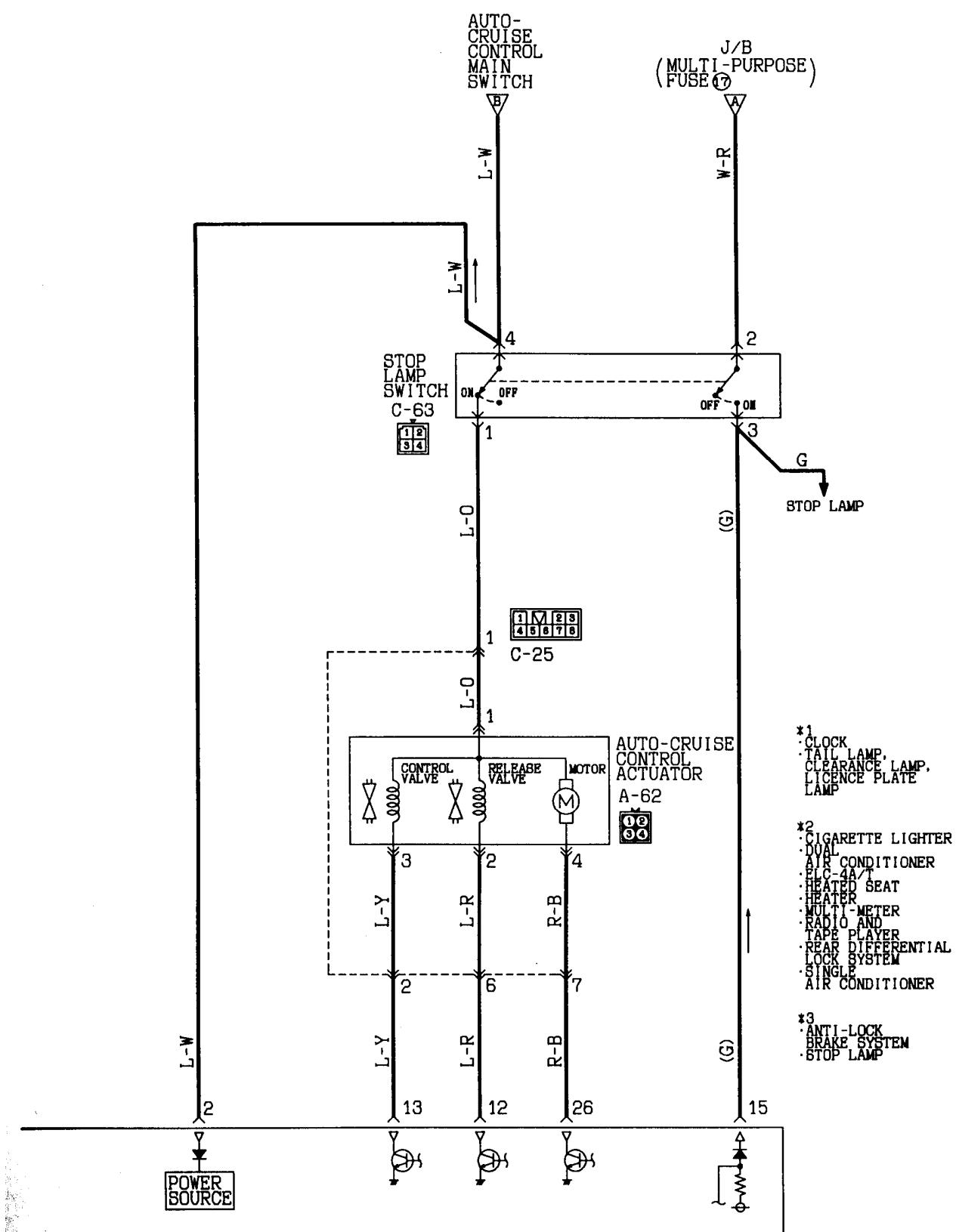
SB:Sky blue

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

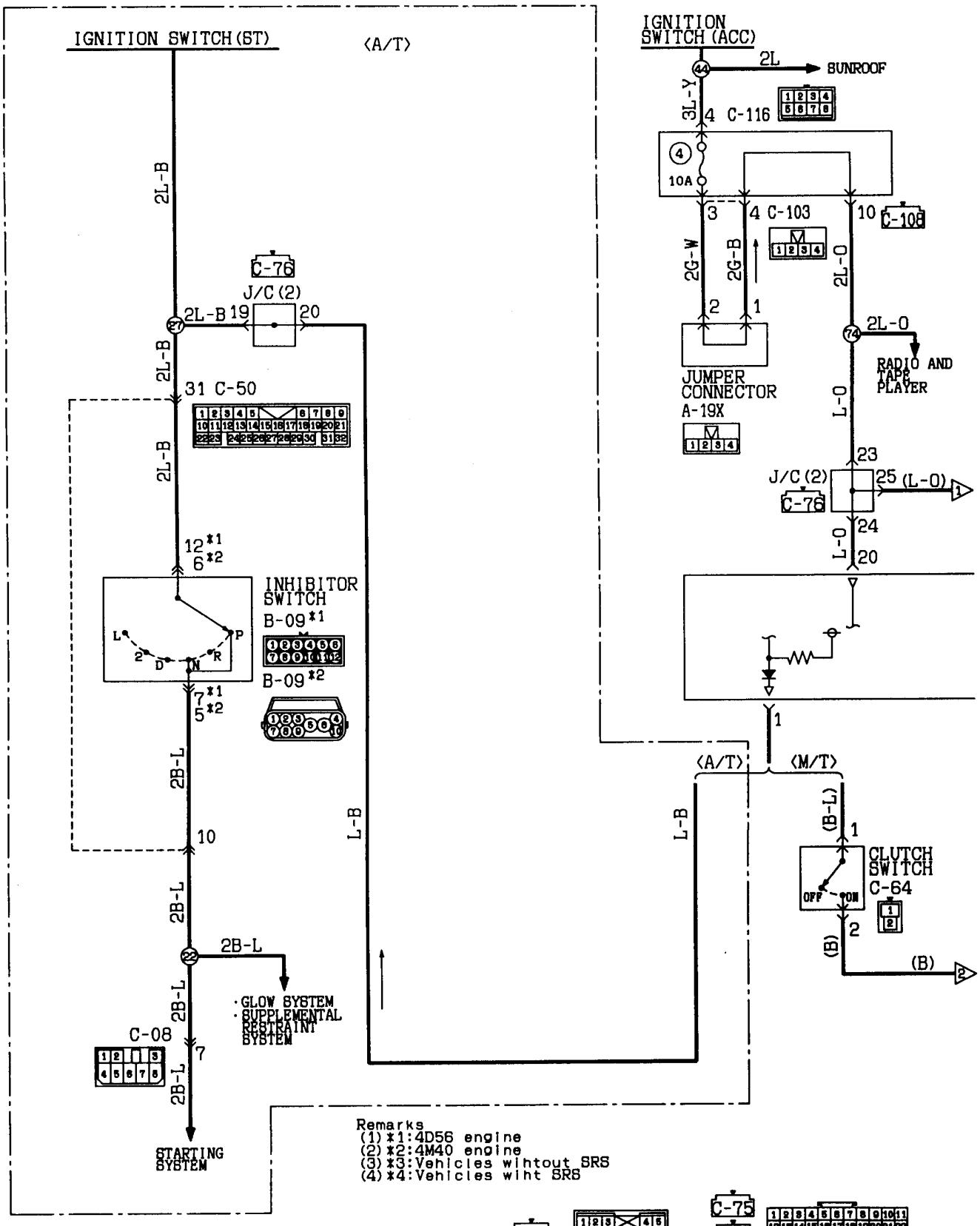
AUTO-CRUISE CONTROL SYSTEM

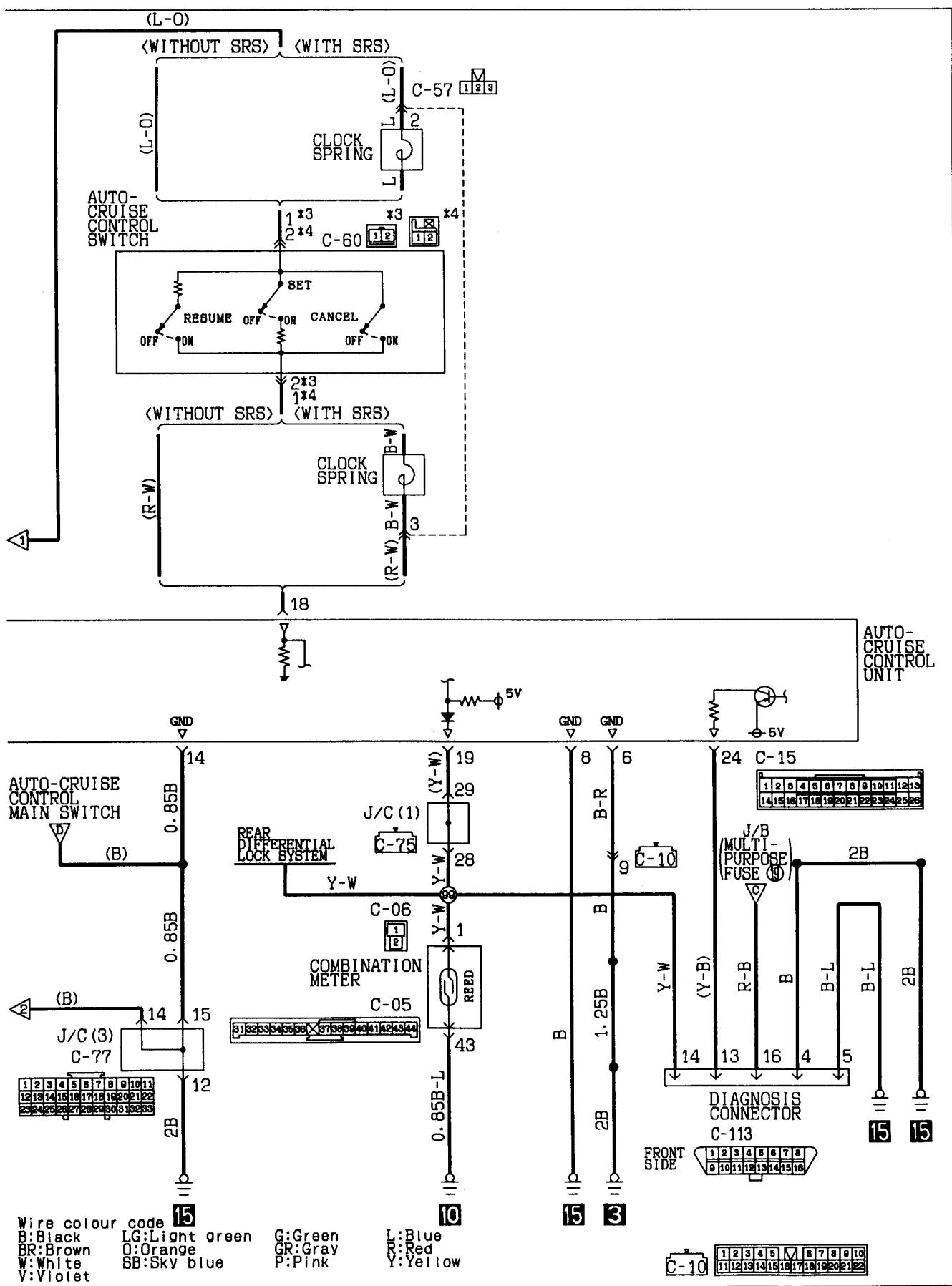
L. H. drive vehicles <Diesel-powered vehicles>





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

AUTO-CRUISE CONTROL SYSTEM
 < L. H. drive vehicles (Diesel-powered vehicles) > (CONTINUED)




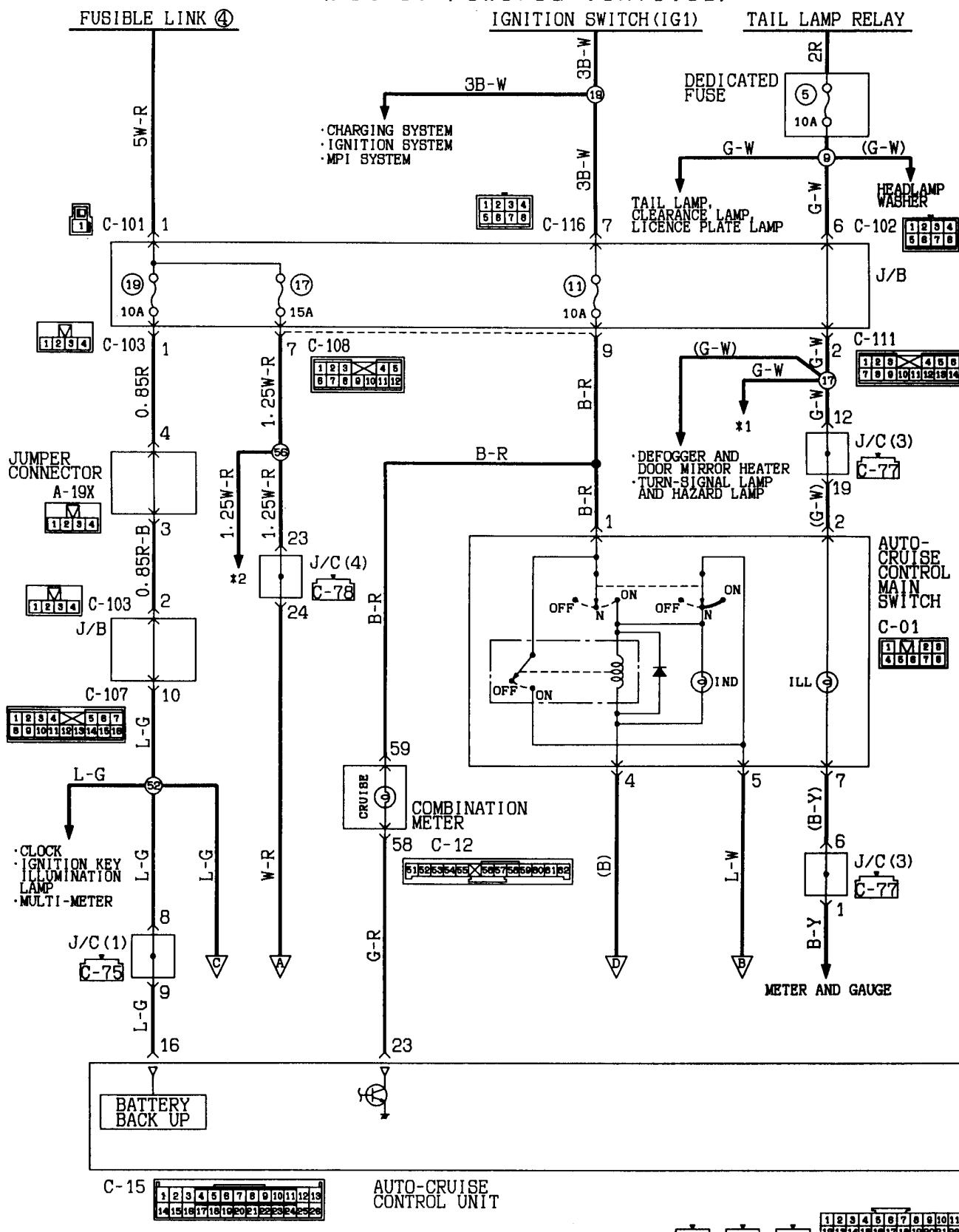
Wire colour code 15

Wire	Colour	Code
B:Black	LG:Light green	G:Green
BR:Brown	O:Orange	GR:Gray
W:White	SB:Sky blue	P:Pink
V:Violet		

10

AUTO-CRUISE CONTROL SYSTEM

R.H. drive vehicles (Petrol-powered vehicles)

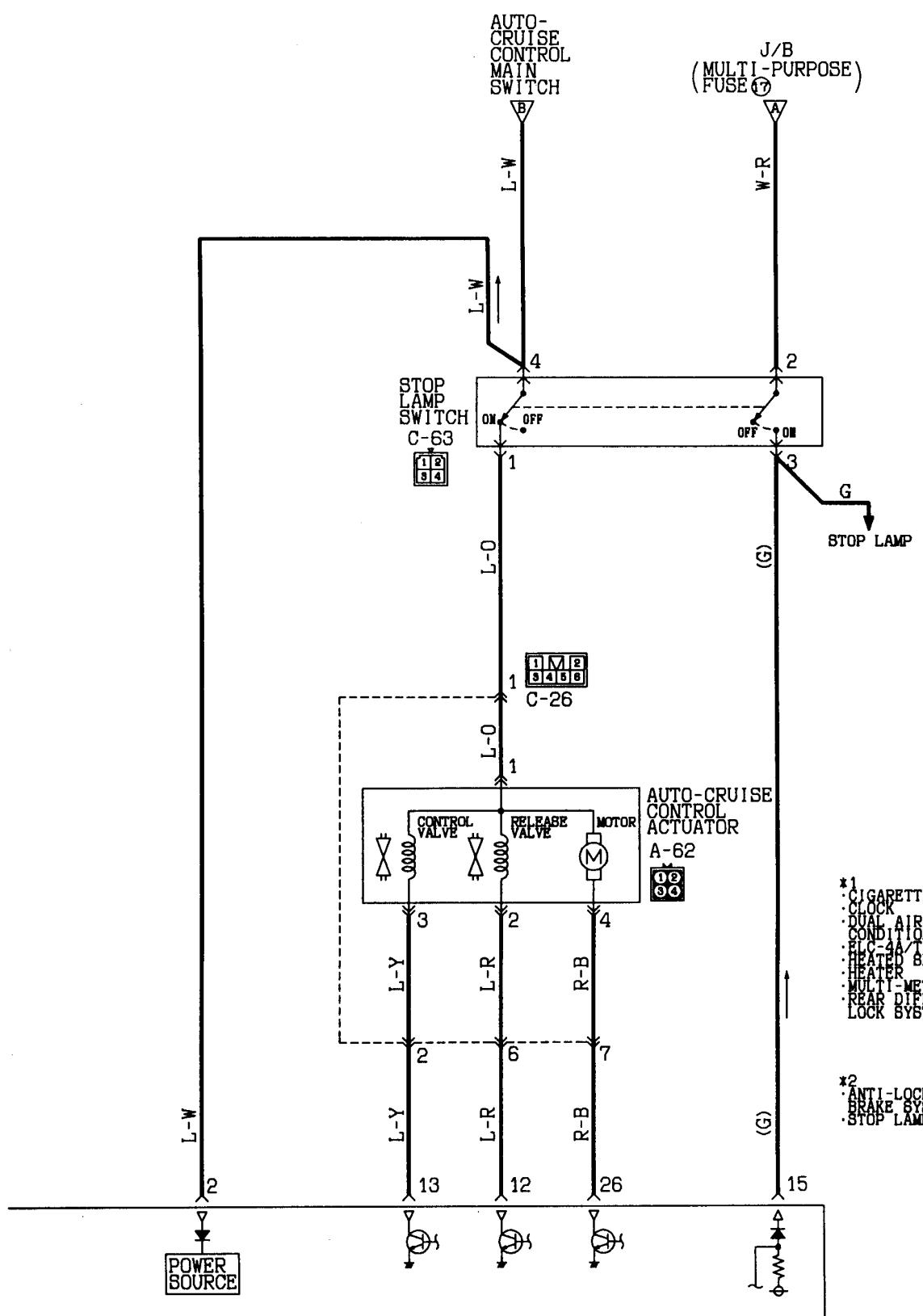


KX35-AC-01524-EC

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PHJE9026-C

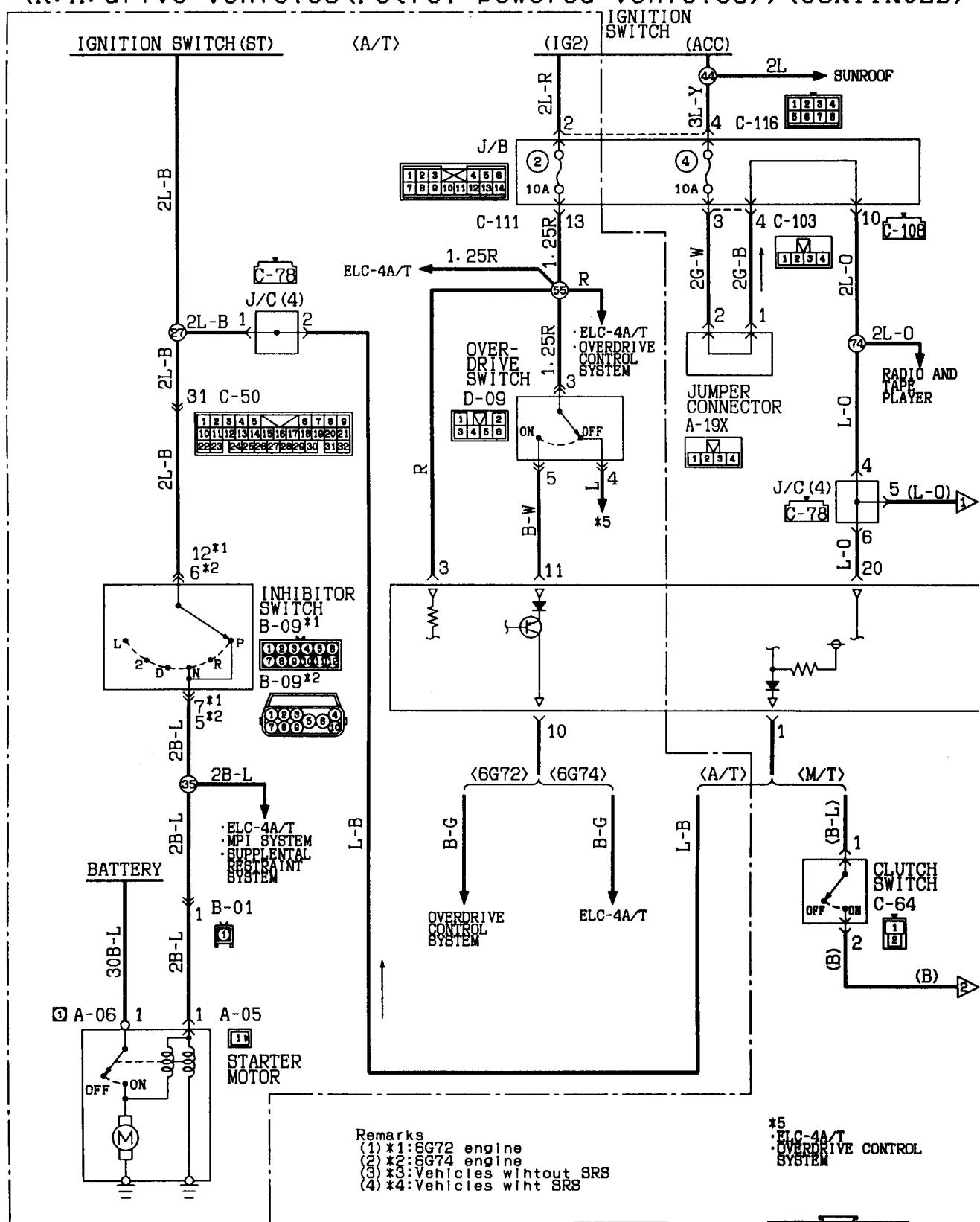
ADDED



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

AUTO-CRUISE CONTROL SYSTEM

<R. H. drive vehicles (Petrol-Powered vehicles)> (CONTINUED)



Remarks
(1) *1:6G72 engine
(2) *2:6G74 engine
(3) *3:Vehicles without SRS
(4) *4:Vehicles with SRS

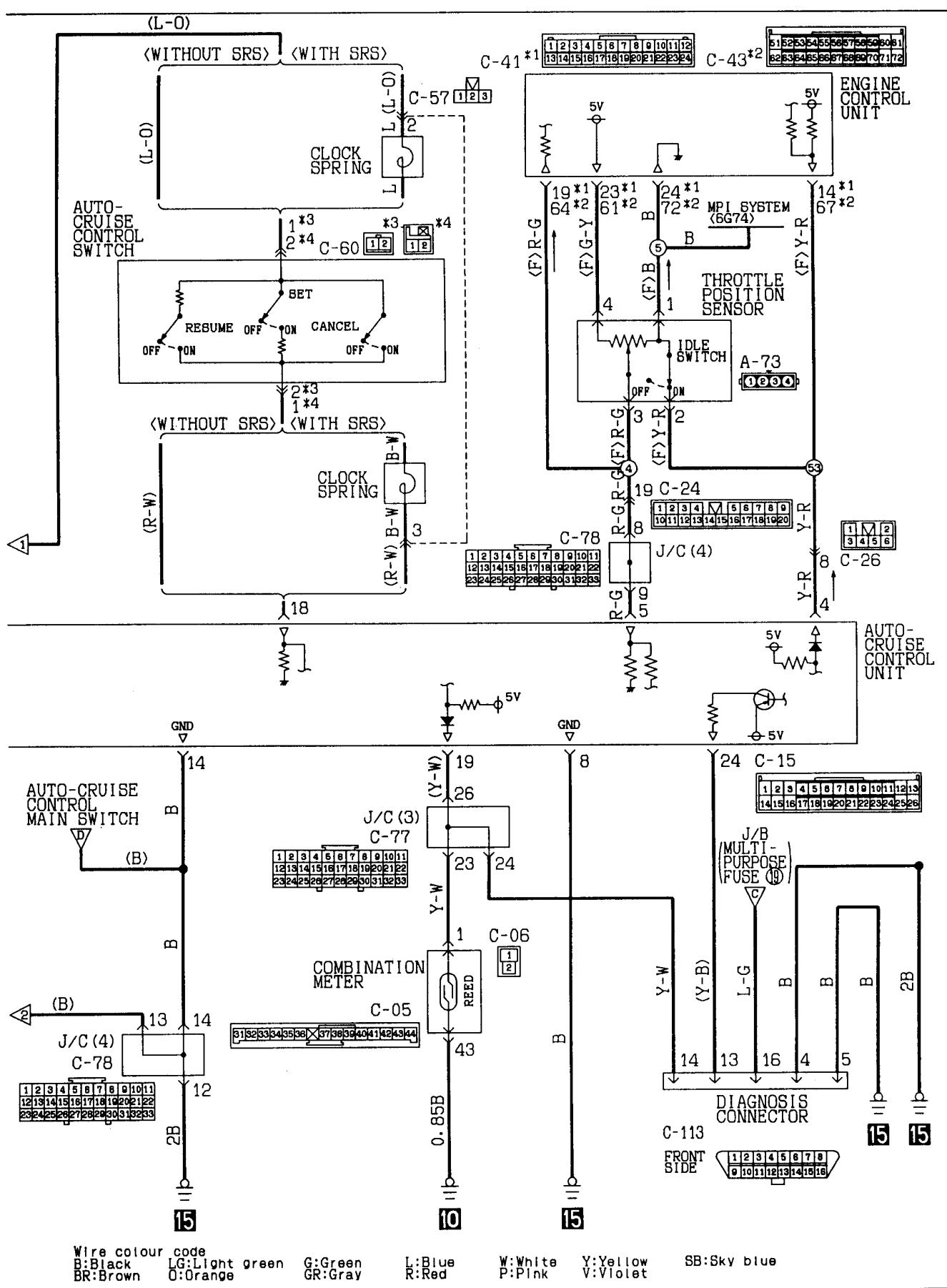
*5
• ELC-4A/T
• OVERDRIVE CONTROL
SYSTEM

KX35-AC-01524A-EC

C-78	<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><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</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
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																								

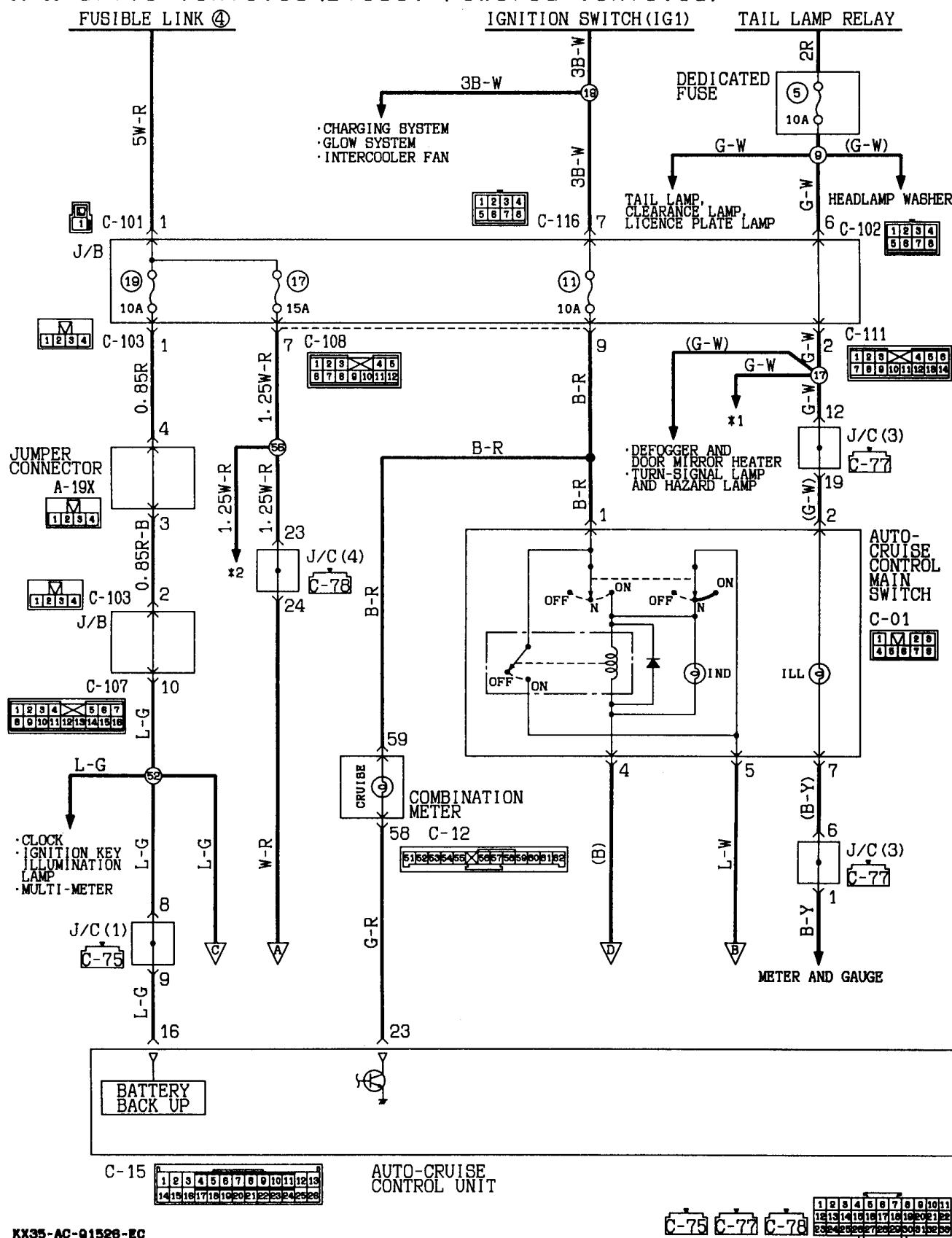
CIRCUIT DIAGRAM

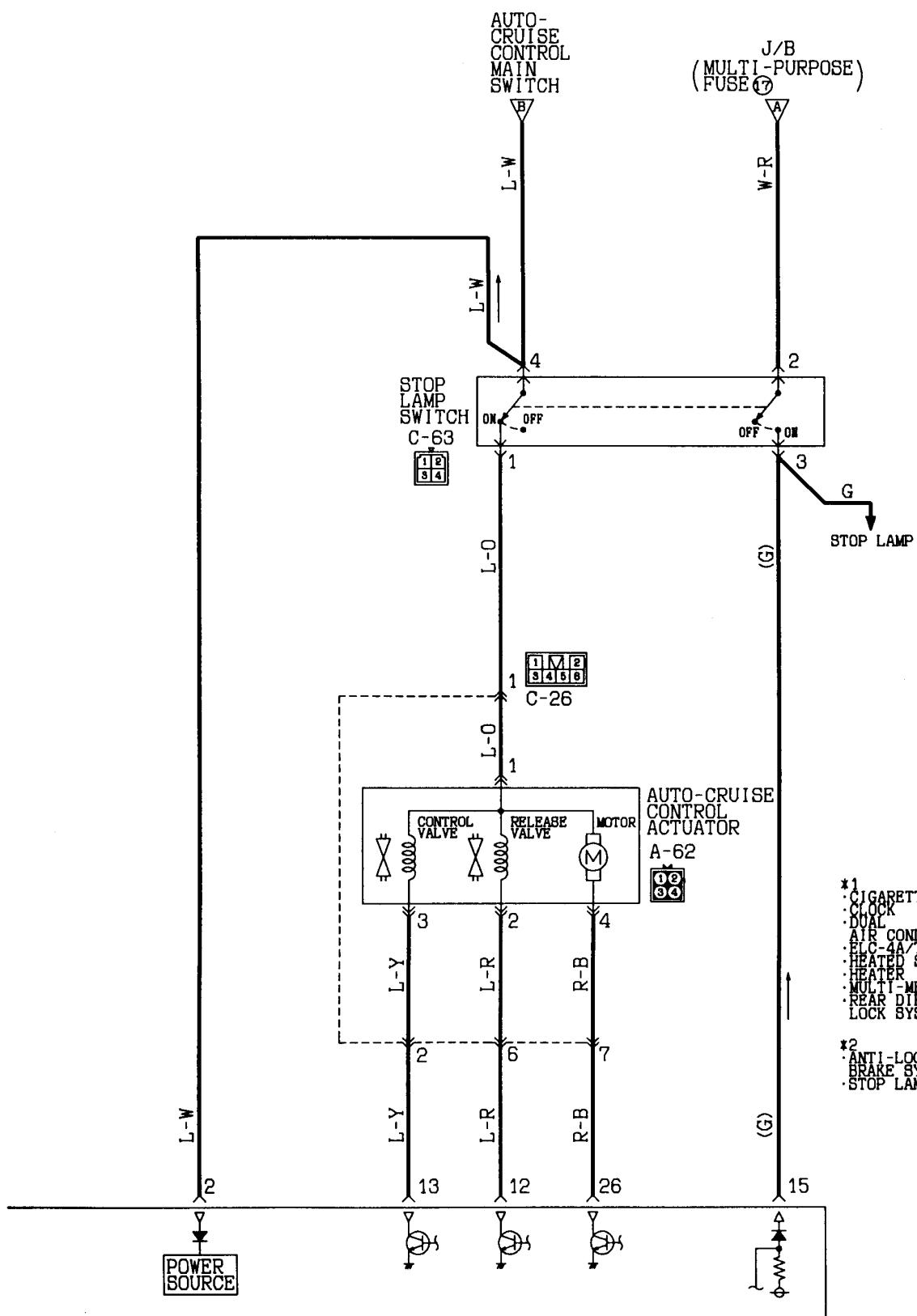
4A-323



AUTO-CRUISE CONTROL SYSTEM

R. H. drive vehicles <Diesel-powered vehicles>



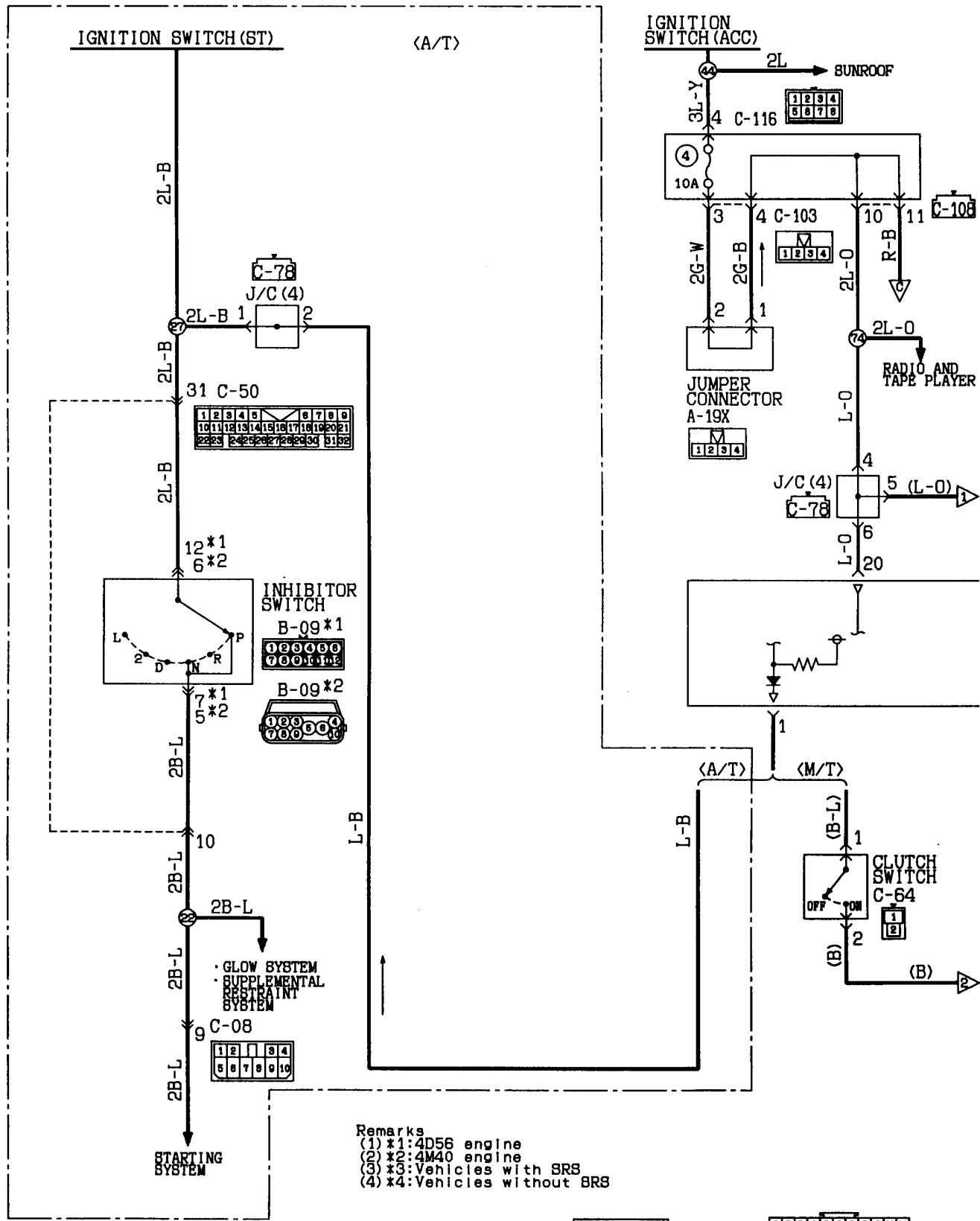


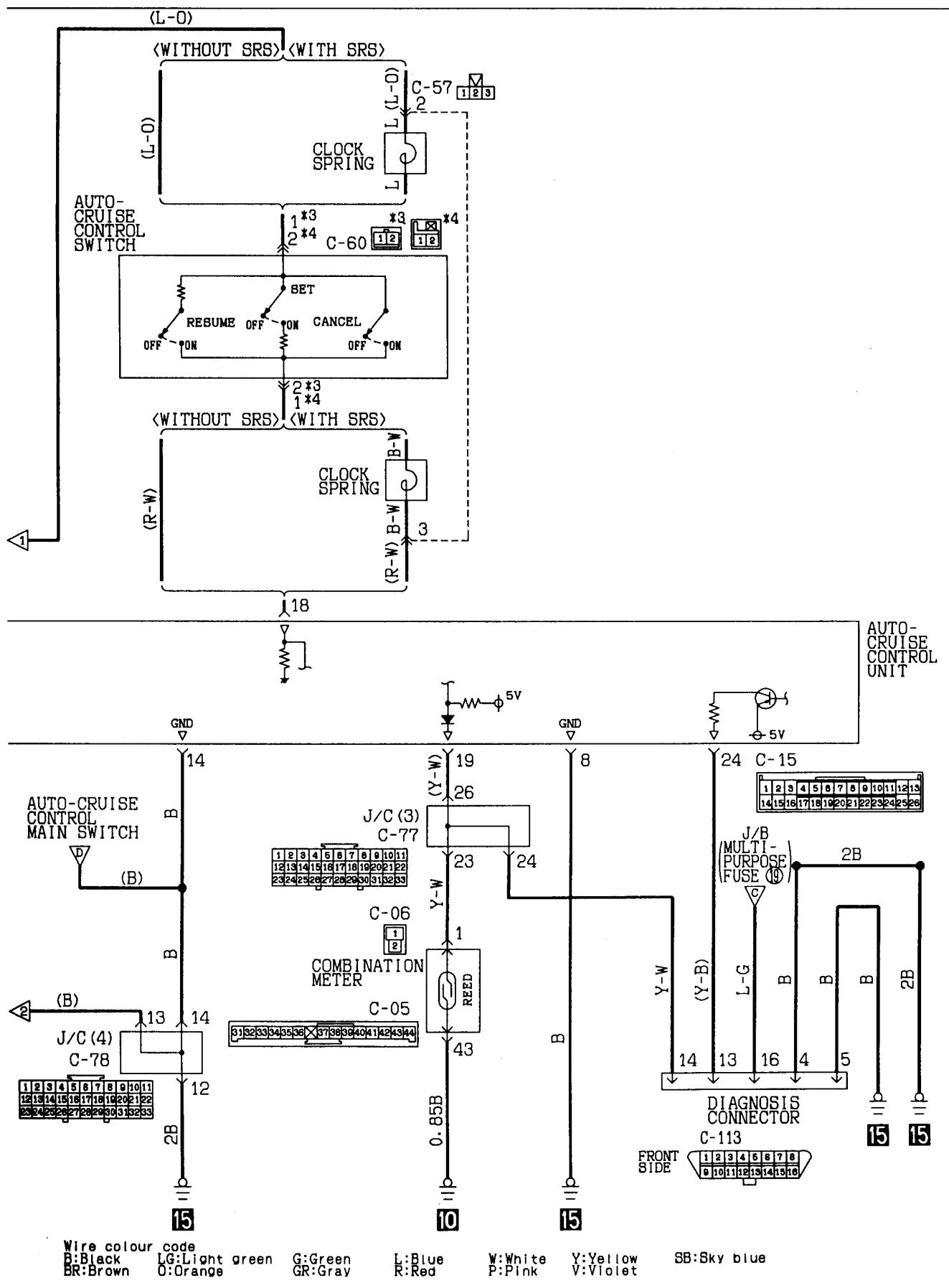
*1
 • CIGARETTE LIGHTER
 • CLOCK
 • DUAL AIR CONDITIONER
 • ELC-4A/T
 • HEATED SEAT
 • HEATER
 • MULTI-METER
 • REAR DIFFERENTIAL LOCK SYSTEM

*2
 • ANTI-LOCK BRAKE SYSTEM
 • STOP LAMP

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

**AUTO-CRUISE CONTROL SYSTEM
< R. H. drive vehicles (Diesel-powered vehicles) > (CONTINUED)**





Wire colour code

Wire colour code
B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray

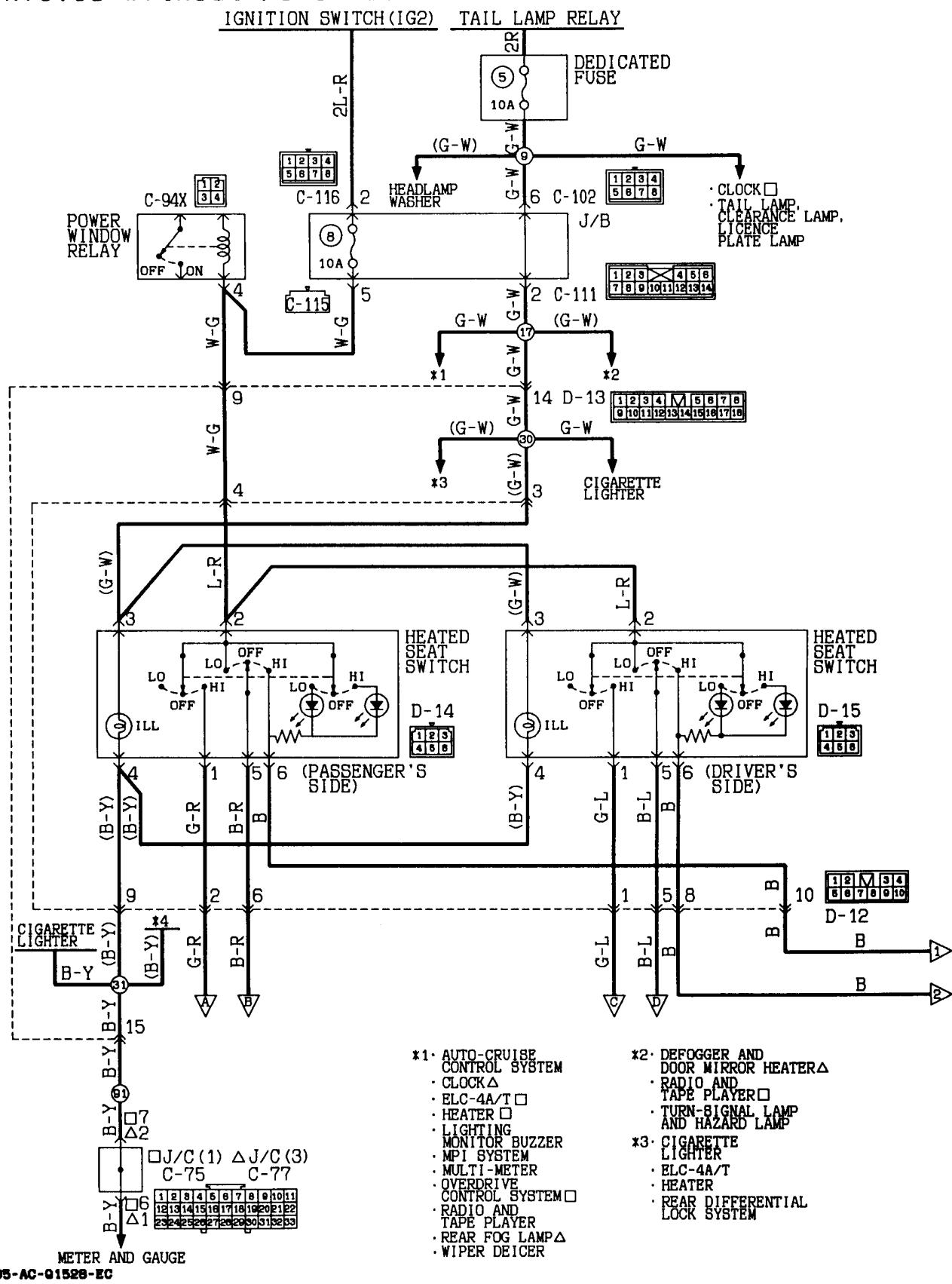
L:Blue
R:Red

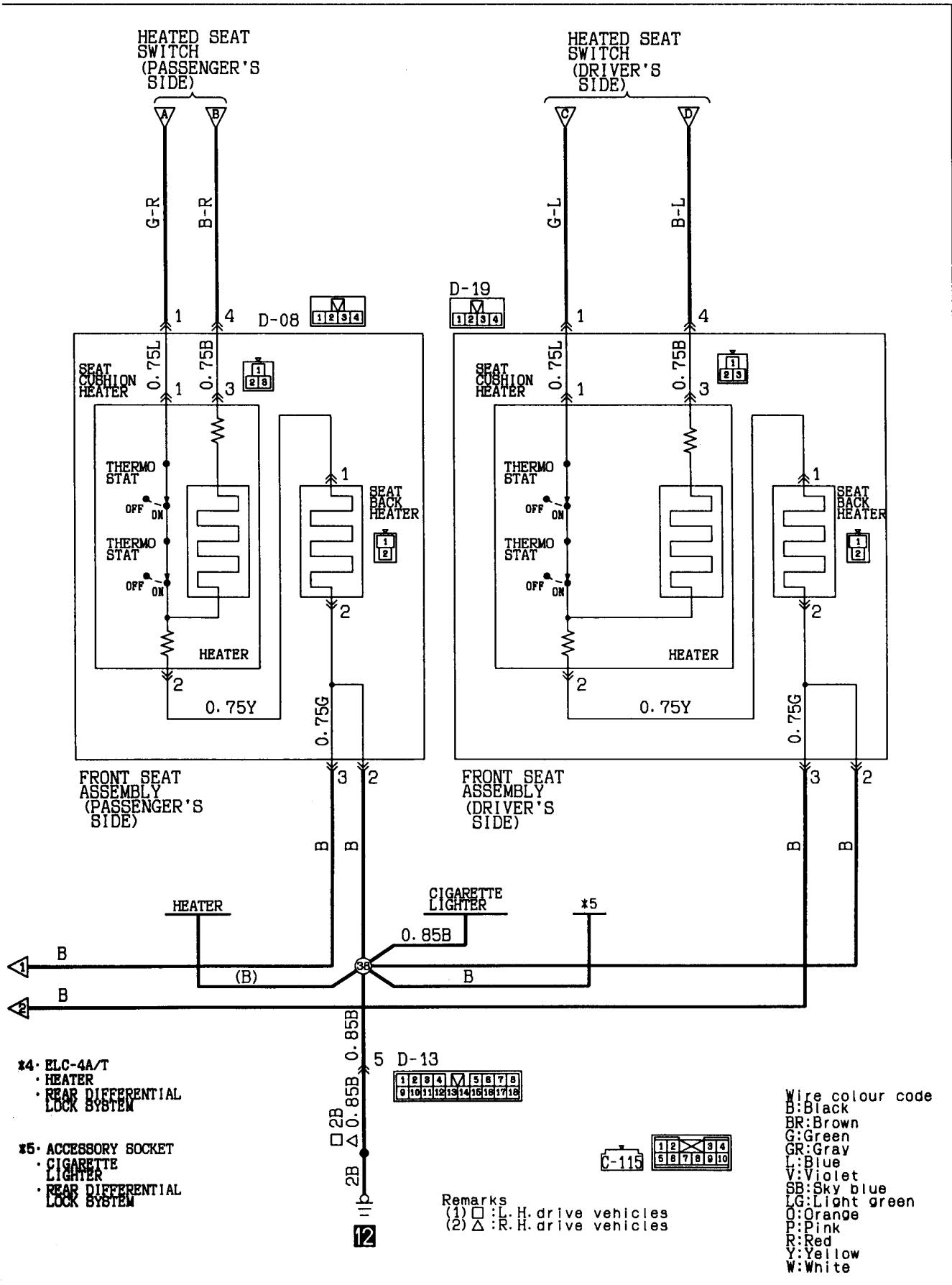
W:White Y:Yellow
P:Pink V:Violet

SB:Sky blue

HEATED SEAT

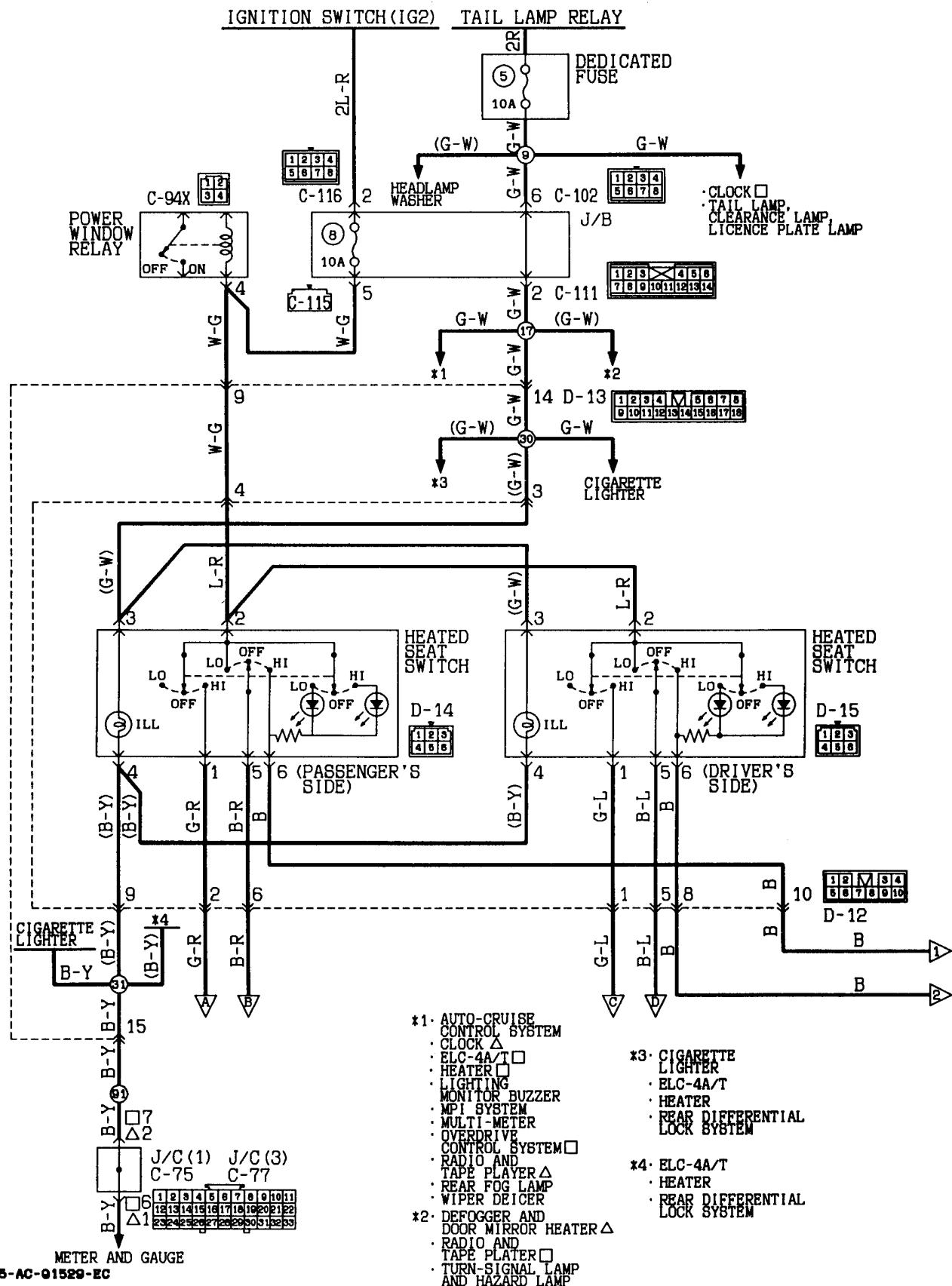
Vehicles without power seat





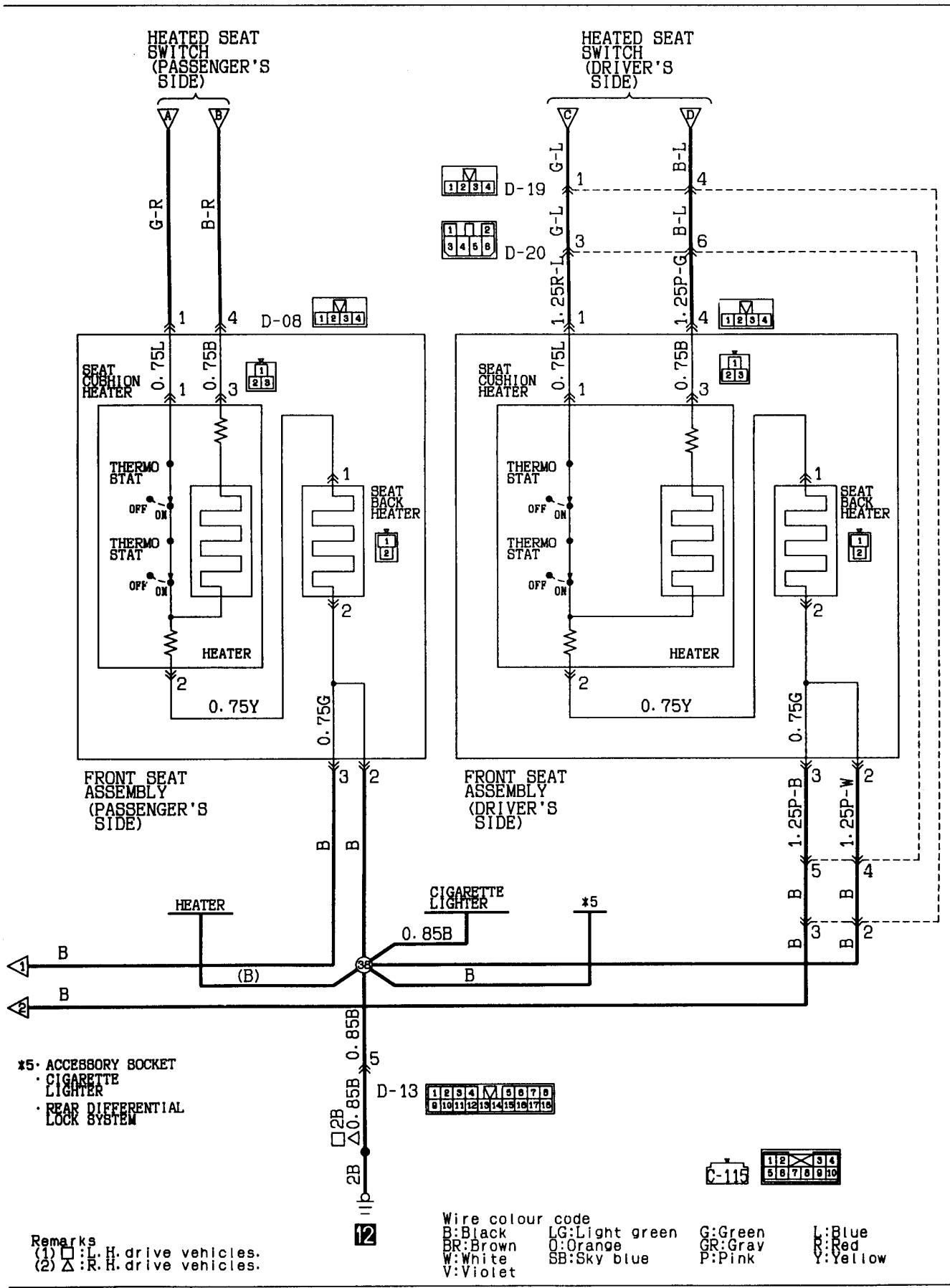
HEATED SEAT

Vehicles with power seat



CIRCUIT DIAGRAM

4A-331



Remarks
(1) : L. H. drive vehicles.
(2) : R. H. drive vehicles.

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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				

12

Wire colour code

B:Black LG

BR:Brown
W:White

W:White
V:Violet

WVFOOT

Light green G:Green

range GR:Gray
Sky blue R:Pink

Sky blue P:Pink

L:Blue

R: Red

Y: Yellow

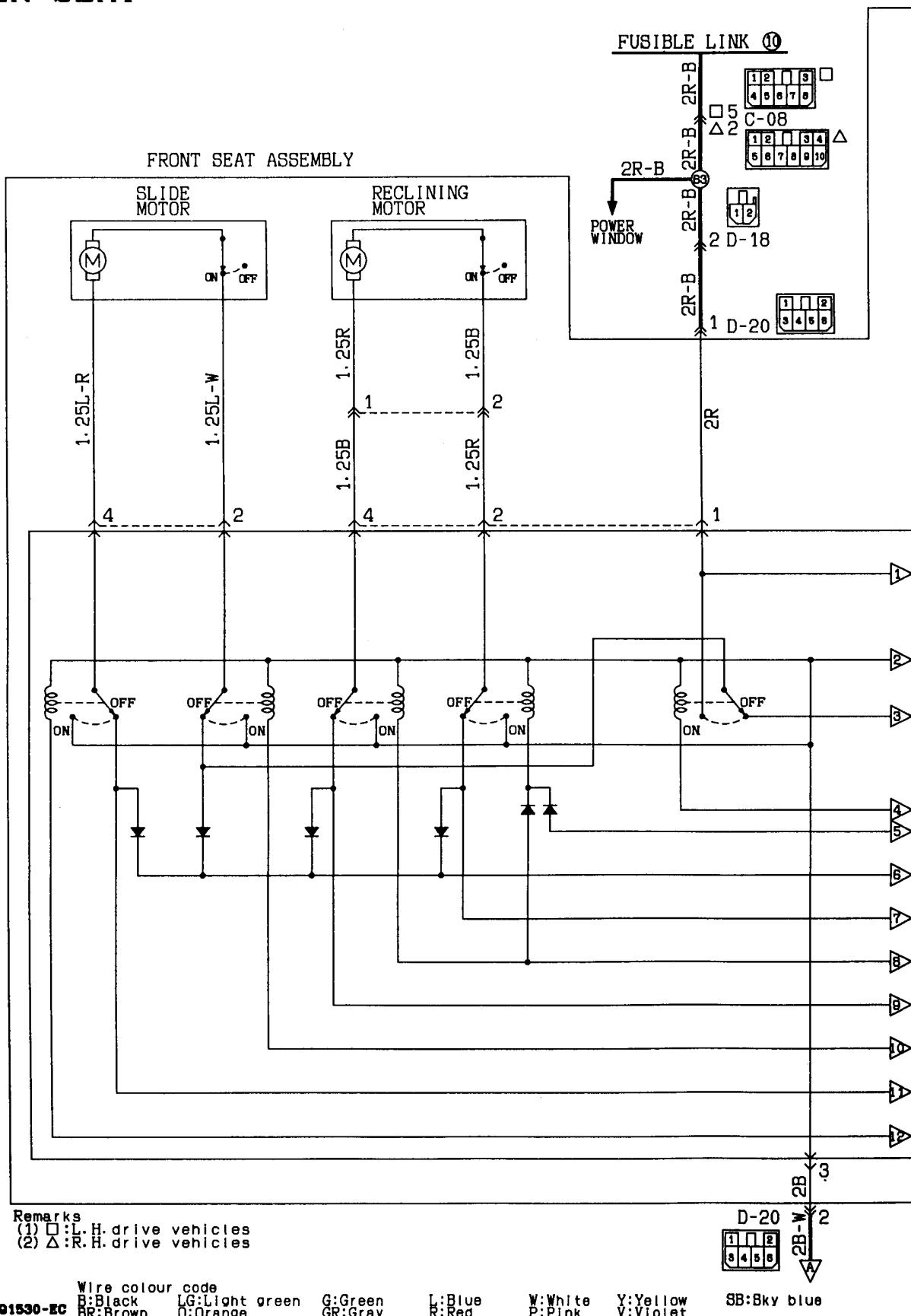
HEATED SEAT (See P. 4A-328, 330)**OPERATION**

- When the heated seat switch is turned ON (either in LO or HI) with the ignition switch in ON position, the heated seat is activated with operation corresponding to the switch position.

TROUBLESHOOTING HINTS

1. The heated seat warms at one place only.
 - Check the heated seat.
2. The heated seat doesn't become warm.
 - Check the multi-purpose fuse No. ⑧.
 - Check the heated seat switch.

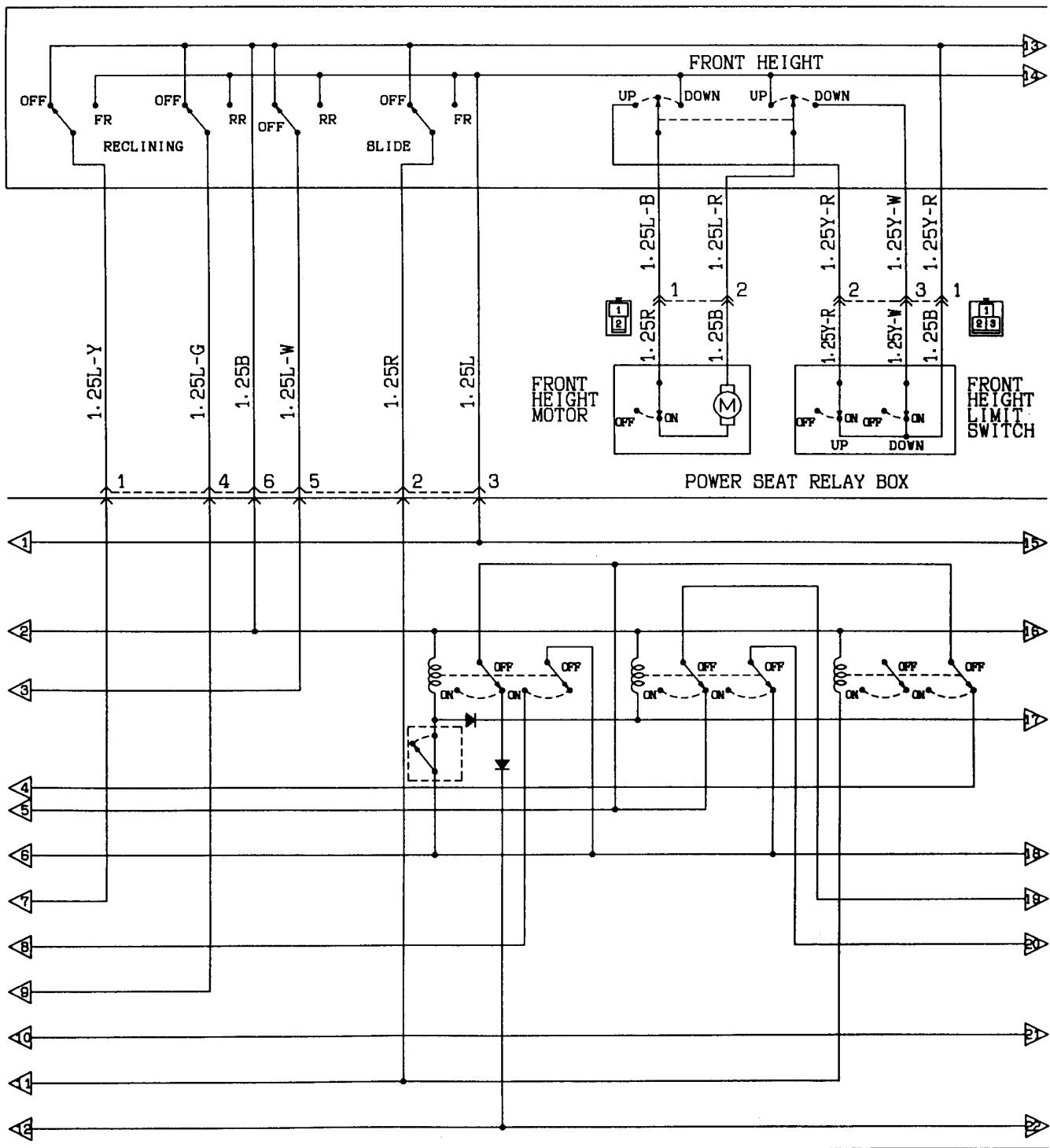
POWER SEAT



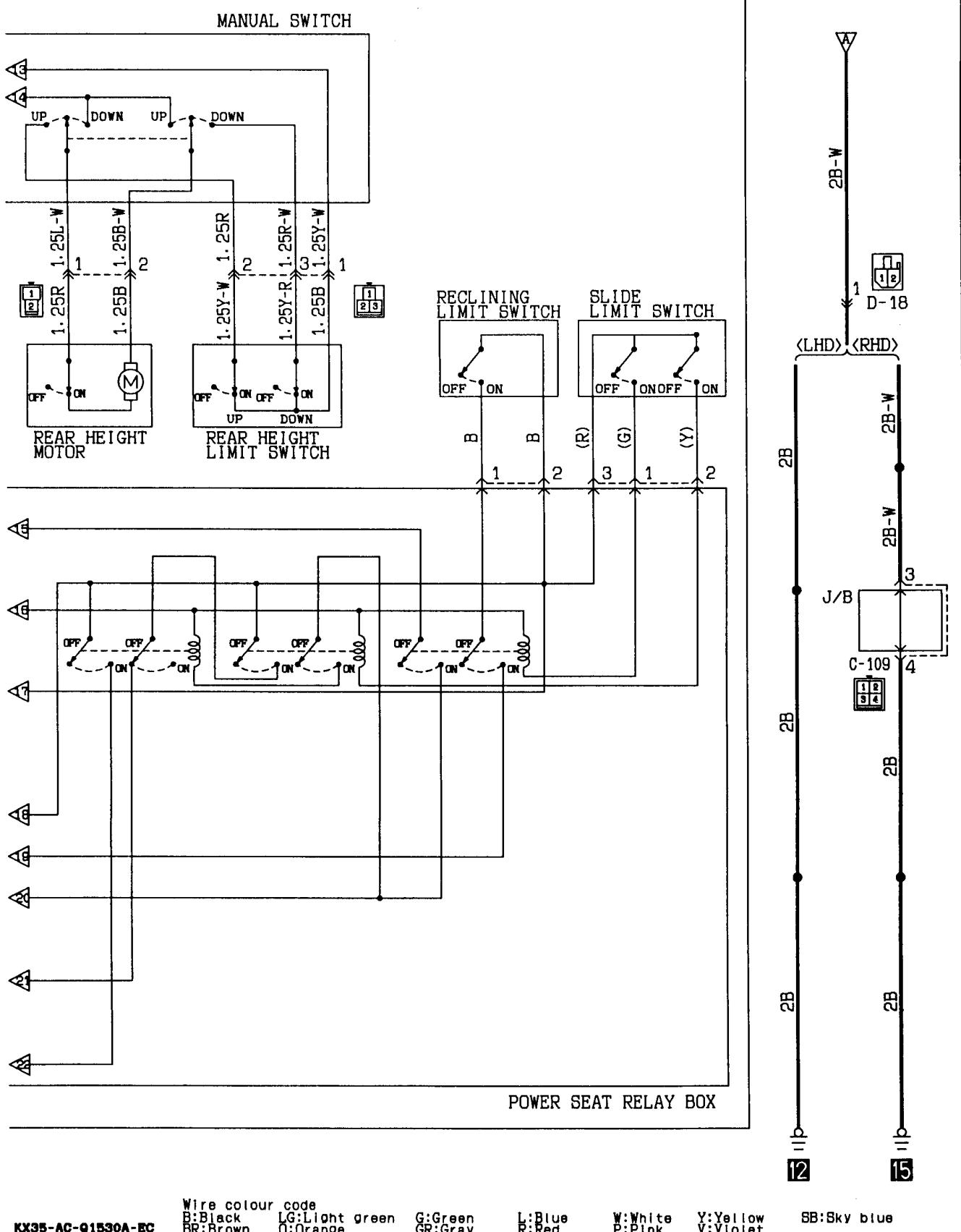
POWER SEAT (CONTINUED)

FRONT SEAT ASSEMBLY

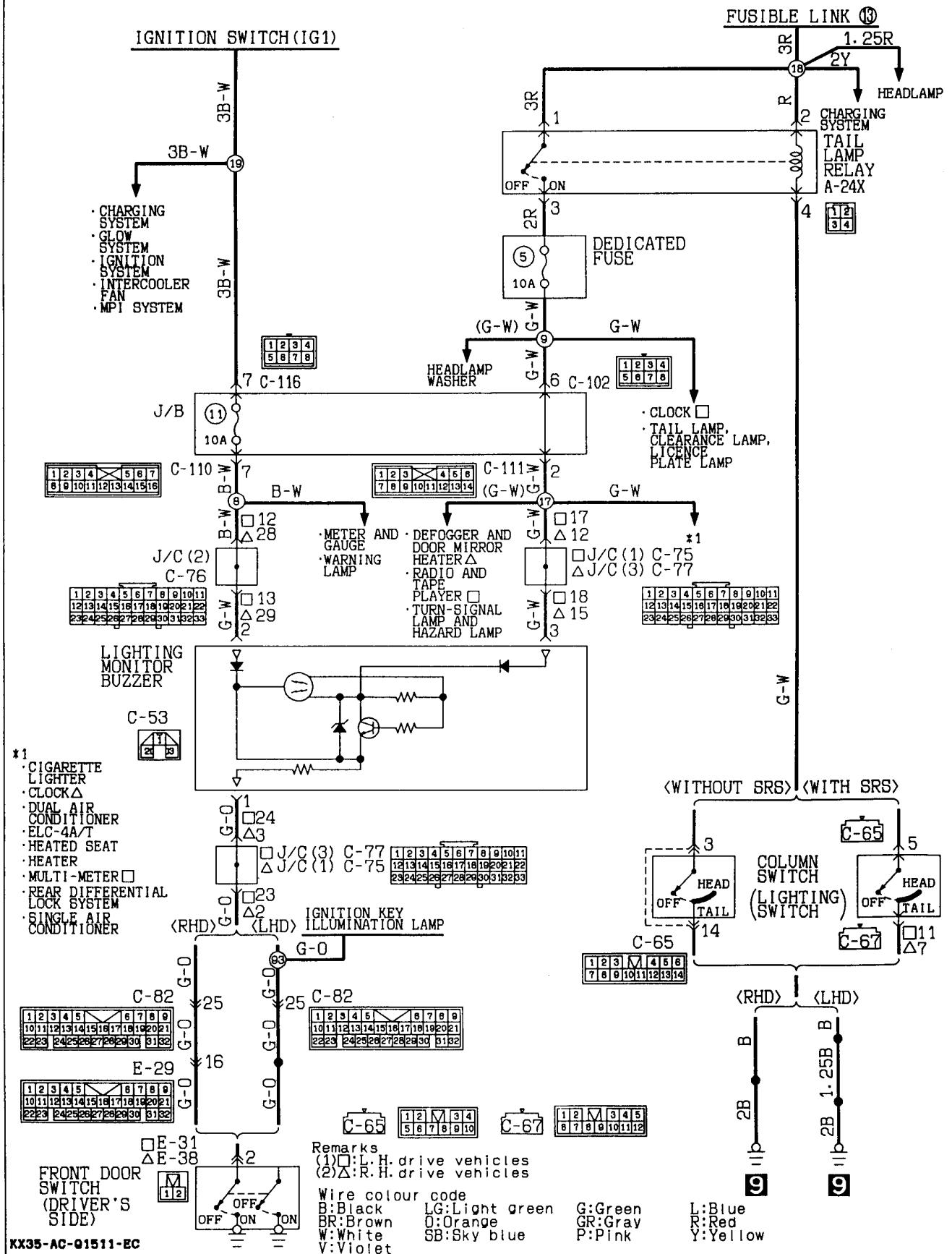
MANUAL SWITCH



FRONT SEAT ASSEMBLY



LIGHTING MONITOR BUZZER



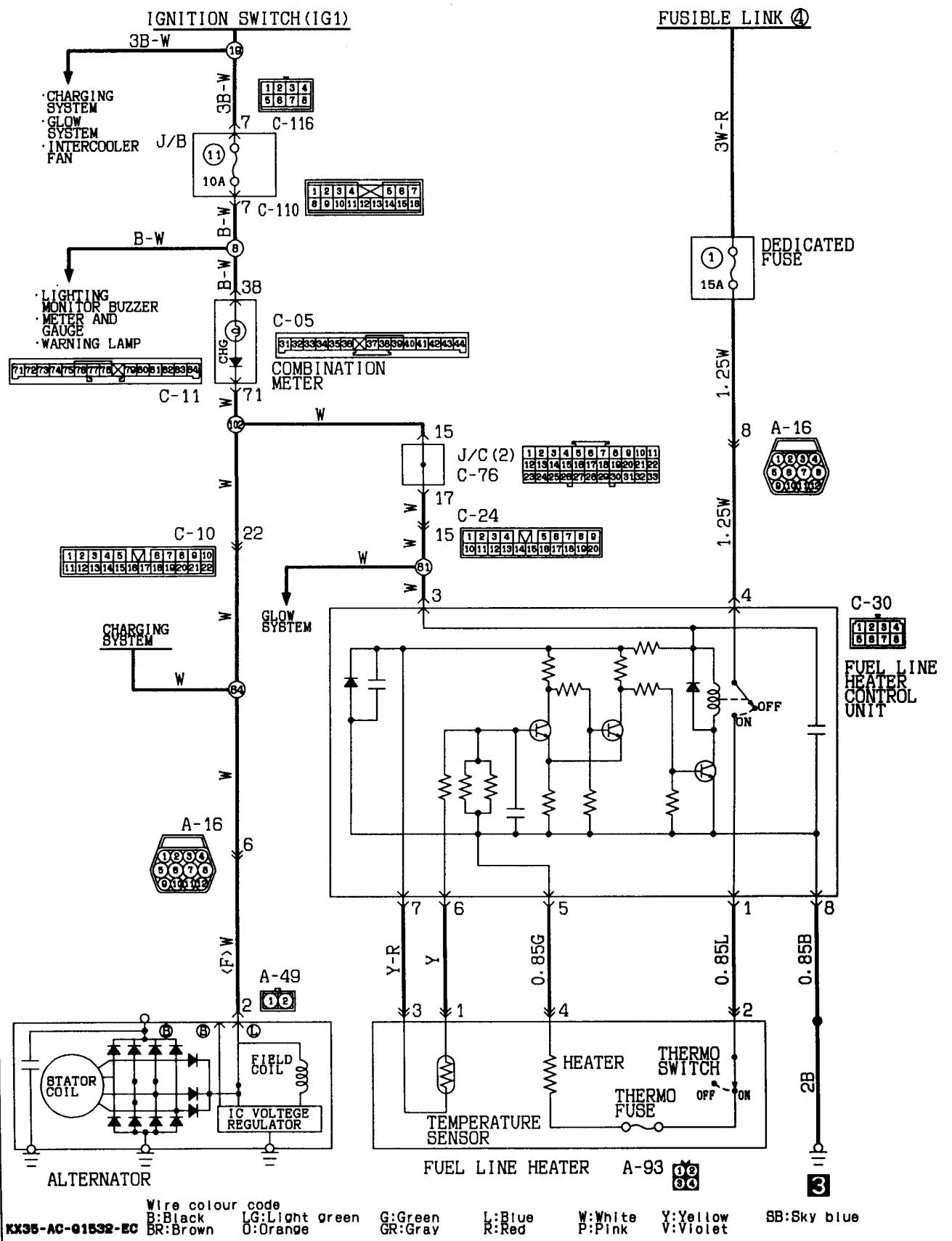
LIGHTING MONITOR BUZZER (See P. 4A-336.)**OPERATION**

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- When the ignition switch is in the "OFF" position in this condition, if the driver's side door is opened and the front door switch turns "ON", the buzzer sounds to indicate that the lamps are not switched off.

TROUBLESHOOTING HINTS

1. Lighting monitor buzzer doesn't sound
 - (1) But the tail lamps do illuminate.
 - Check the lightning monitor buzzer.
 - Check the front door switch (driver's side).
 - (2) The tail lamps also don't illuminate.
 - Check the fusible link No. ⑬.
 - Check the dedicated fuse No. ⑤.

FUEL LINE HEATER

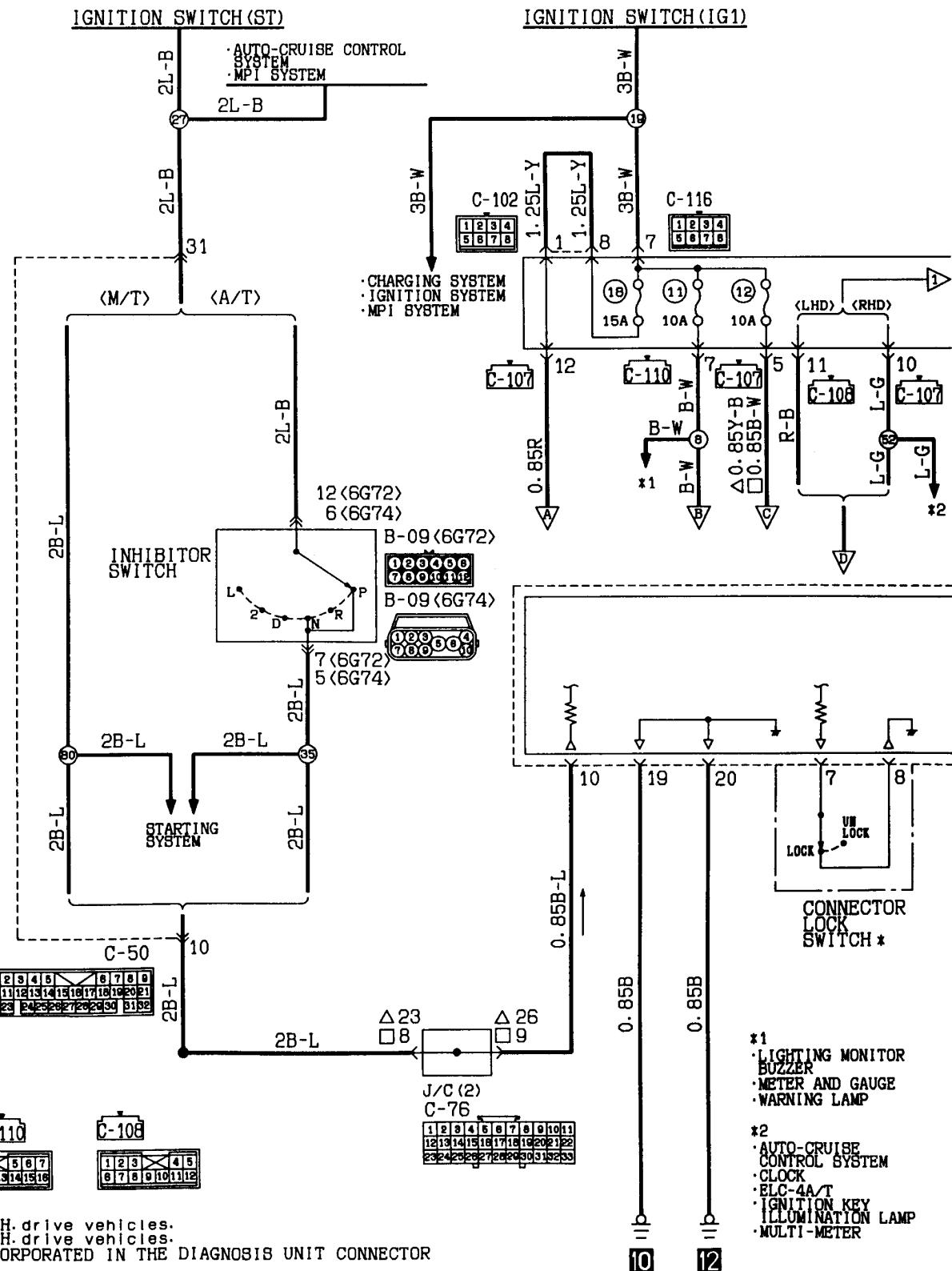


FUEL LINE HEATER (See P. 4A-338.)**OPERATION**

- When the engine is started, the fuel thermo sensor operates to detect the fuel temperature. If the fuel temperature drops below 0~6°C (32~43°F), the fuel line heater control unit operates to turn the heater on in order to warm the fuel. When the fuel temperature is between 1.5~7.5°C (34.5~45.5°F), the heater turns off.
- If there is a malfunction of the fuel thermo sensor and the heater becomes too warm, the thermo switch operates when the temperature becomes 36~46°C (97~115°F) to turn the heater circuit off. If there is a malfunction of the thermo switch, the thermo fuse will burn out at 114~124°C (237~255°F) to fully isolate the heater circuit.

SUPPLEMENTAL RESTRAINT SYSTEM

Petrol-powered vehicles



KX35-AC-01539-EC

Wire colour code

B:Black BR:Brown

LG:Light green O:Orange

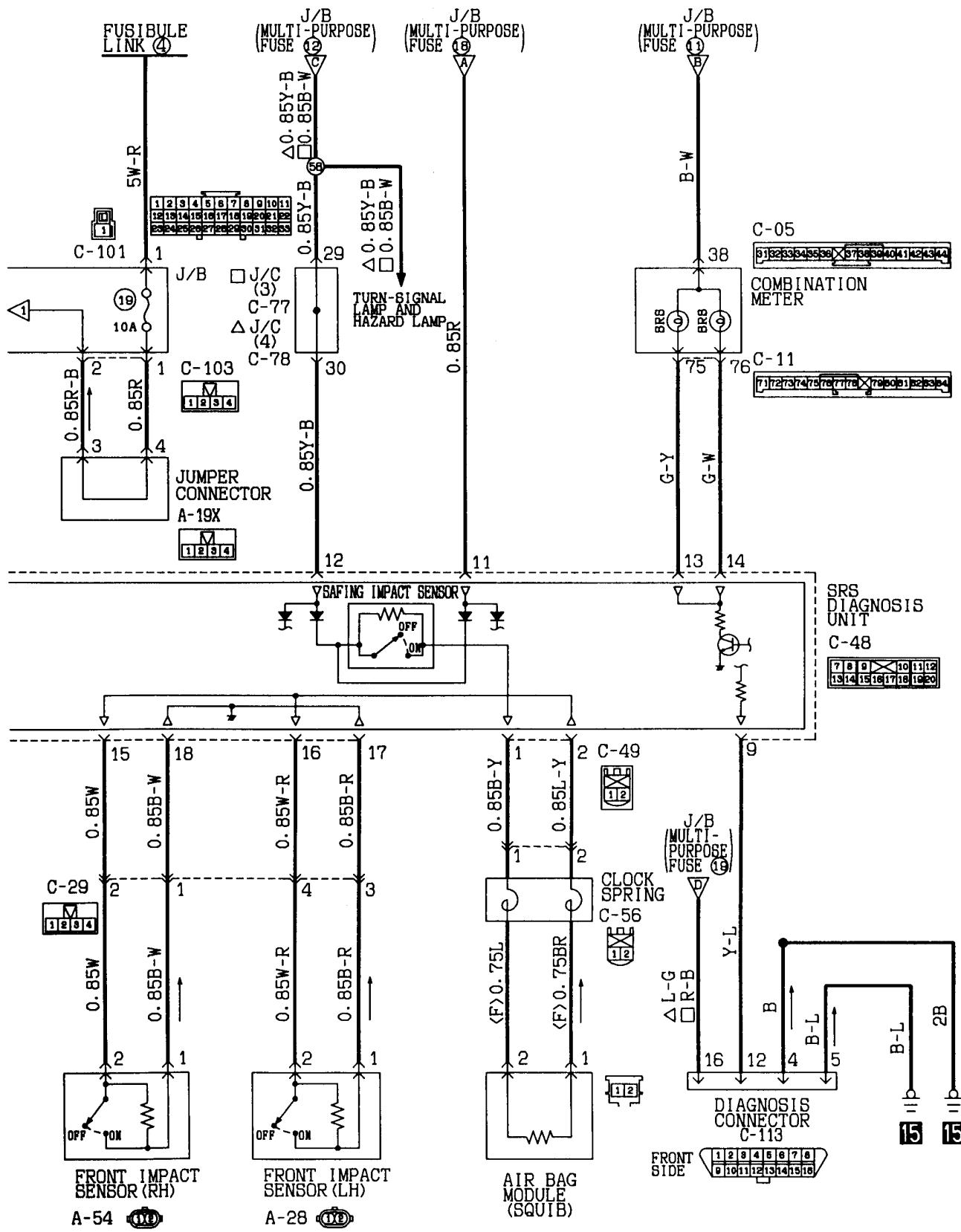
G:Green GR:Gray

L:Blue R:Red

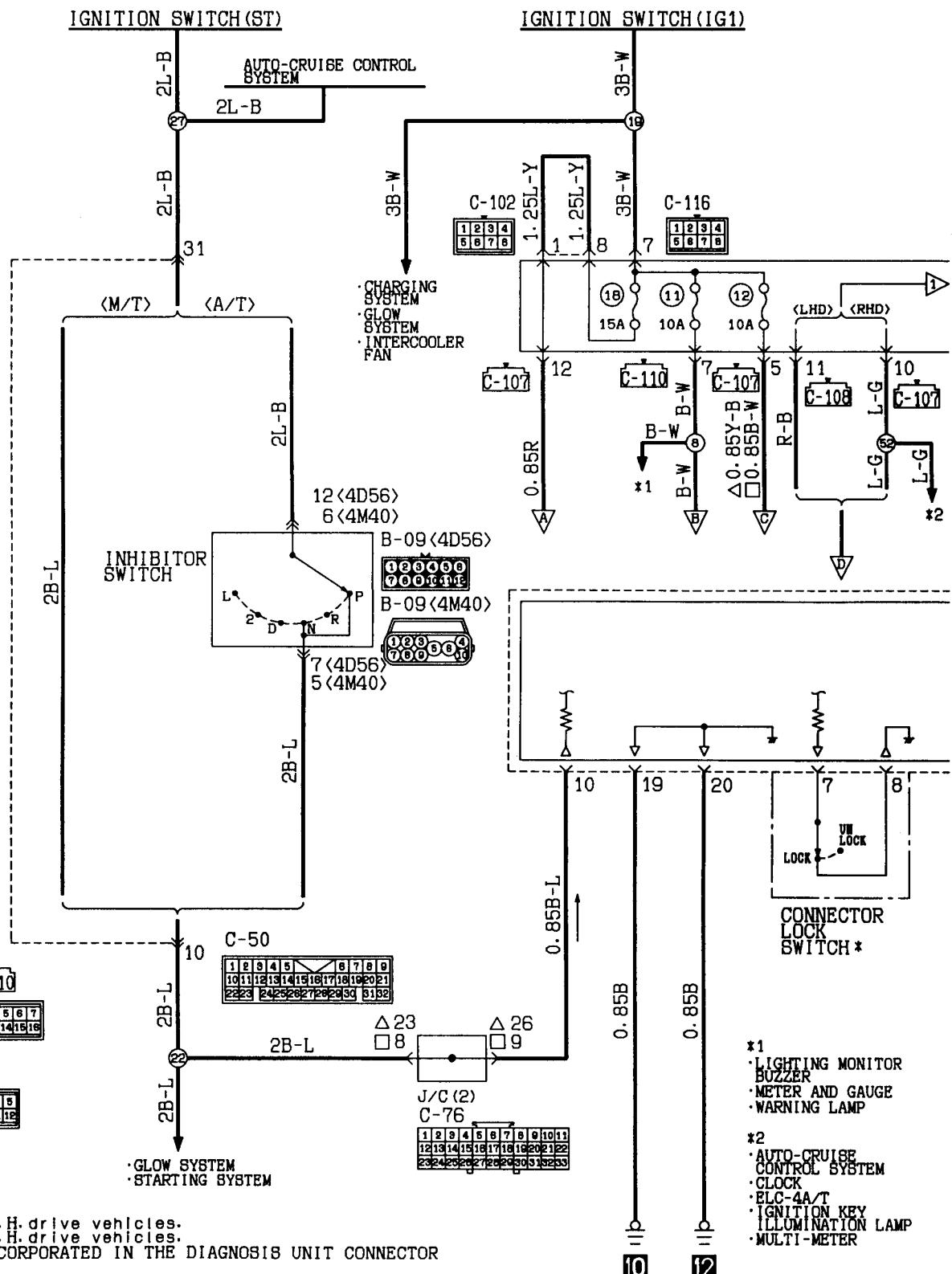
W:White P:Pink

Y:Yellow V:Violet

SB:Sky blue



SUPPLEMENTAL RESTRAINT SYSTEM Diesel-powered vehicles



Remarks

- Remarks
(1) :L.H. drive vehicles.
(2) :R.H. drive vehicles.
(3) *:INCORPORATED IN THE DIAGNOSIS UNIT CONNECTOR

- *1
 - LIGHTING MONITOR
 - BUZZER
 - METER AND GAUGE
 - WARNING LAMP

 - *2
 - AUTO-CRUISE
 - CONTROL SYSTEM
 - CLOCK
 - ELC-4A/T
 - IGNITION KEY
 - ILLUMINATION LAMP
 - MULTI-METER

KX35-AC-01551-EC

Wire colour code

B:Black

BR:Brown

BR:Brown 0

LG:Light gre

0:Orange

en G:Green

GR:Gray

L:Blue

R:Red

W:White

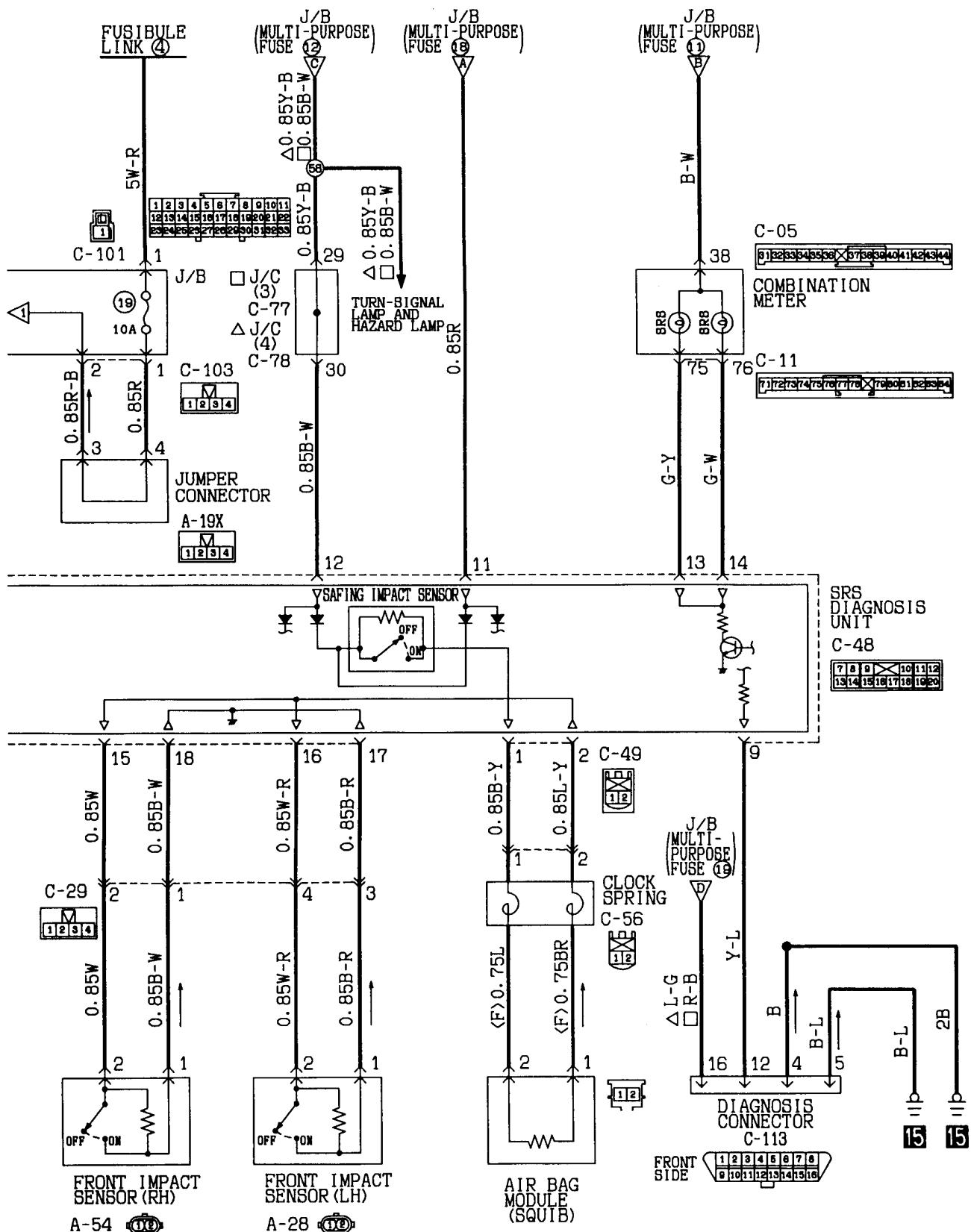
P:Pink

Y:Yellow

V:Violet

SB:Sky blue

BB-WW, 51.00



INDEX (In order of connector No.)

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A	A-01 Headlamp washer motor and headlamp washer fluid level sensor	4A-268	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	A-02 Side turn signal lamp (RH)	4A-137	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
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		C-12	4A-43, 48, 56, 64, 74, 84, 87, 95, 120, 122, 125, 127, 154, 155, 268, 302, 305, 312, 316, 320, 324	2A-42, 45
	Condenser fan motor	A-43	4A-193, 196, 199, 203, 206, 210, 215, 221, 228, 236, 241, 247, 254	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Condenser fan motor control relay	A-15	4A-199, 206, 215, 228, 241, 254	2A-25, 29, 33, 37
	Console wiring harness and dash wiring harness combination	D-13	4A-88, 96, 178, 181, 185, 188, 211, 217, 222, 230, 237, 243, 248, 256, 293, 294, 298, 300, 328, 329, 330, 331	2A-46, 47, 48, 49
		C-24	4A-26, 27, 34, 36, 37, 38, 39, 40, 41, 43, 45, 47, 48, 51, 53, 55, 56, 59, 61, 64, 66, 68, 70, 74, 76, 78, 80, 83, 87, 91, 95, 99, 145, 147, 148, 151, 152, 154, 156, 297, 315, 323, 338	2A-43, 44
		C-25	4A-27, 28, 35, 39, 46, 47, 48, 49, 54, 55, 56, 57, 62, 63, 64, 65, 72, 73, 74, 75, 83, 155, 202, 205, 209, 220, 235, 240, 246, 252, 297, 313, 315, 317	2A-43, 44
		C-26	4A-26, 27, 28, 35, 37, 39, 41, 42, 46, 47, 48, 49, 54, 55, 56, 57, 62, 63, 64, 65, 72, 73, 74, 75, 91, 99, 155, 192, 195, 198, 214, 227, 297, 321, 323, 325	2A-43, 44
	Control wiring harness and floor wiring harness (RH) combination	C-34	4A-52, 60, 69, 79, 308, 309	2A-43
	Control wiring harness and front wiring harness combination	A-16	4A-30, 42, 43, 46, 49, 52, 54, 57, 60, 62, 65, 69, 72, 75, 79, 193, 196, 199, 200, 203, 206, 207, 210, 215, 216, 221, 228, 229, 236, 241, 242, 247, 254, 255, 297, 338	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Crank angle sensor	A-112	4A-67, 77	2A-18, 22
D	Dash wiring harness and floor wiring harness (LH) combination	C-82	4A-42, 47, 55, 63, 73, 117, 120, 122, 125, 127, 128, 129, 130, 131, 134, 135, 137, 139, 140, 141, 144, 147, 154, 164, 168, 173, 175, 265, 267, 294, 306, 307, 310, 336	2A-42, 44
		C-83	4A-277, 280, 284, 285, 286, 288, 298, 299, 300, 301, 311	2A-42, 44

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
D	Dash wiring harness and floor wiring harness (LH) combination	C-84	4A-271, 274	2A-42, 44
	Dash wiring harness and floor wiring harness (RH) combination	C-35	4A-179, 181, 186, 188, 211, 212, 217, 218, 222, 224, 230, 232, 237, 238, 243, 244, 248, 250, 256, 258, 308, 309, 310, 311	2A-43, 45
	Dash wiring harness and junction block combination	C-107	4A-48, 64, 74, 86, 94, 136, 137, 144, 146, 150, 158, 159, 160, 172, 274, 279, 283, 287, 290, 291, 292, 294, 308, 312, 316, 320, 324, 340, 342	2A-42, 45
		C-108	4A-43, 48, 64, 74, 86, 94, 128, 129, 130, 131, 139, 144, 146, 150, 162, 163, 172, 174, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252, 270, 272, 276, 278, 281, 285, 286, 288, 308, 309, 312, 314, 316, 318, 320, 322, 324, 326, 340, 342	2A-42, 45
		C-109	4A-83, 86, 94, 134, 136, 140, 141, 159, 160, 162, 163, 166, 167, 172, 174, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252, 272, 274, 279, 283, 287, 290, 291, 292, 294, 299, 300, 302, 305, 309, 335	2A-42, 45
		C-110	4A-30, 31, 32, 35, 36, 38, 40, 43, 48, 64, 74, 83, 86, 94, 128, 129, 130, 131, 134, 135, 136, 137, 140, 141, 144, 150, 154, 172, 174, 268, 272, 274, 276, 278, 281, 285, 286, 288, 298, 301, 302, 305, 306, 307, 308, 309, 336, 338, 340, 342	2A-42, 45
		C-111	4A-66, 76, 82, 88, 94, 96, 120, 122, 124, 126, 134, 136, 158, 161, 162, 163, 166, 167, 172, 174, 176, 177, 180, 184, 187, 191, 194, 197, 208, 213, 219, 226, 234, 239, 245, 252, 270, 273, 276, 278, 281, 288, 292, 293, 294, 298, 299, 300, 302, 305, 312, 314, 316, 320, 322, 324, 328, 330, 336	2A-42, 45
		C-112	4A-208, 213, 219, 226, 234, 239, 245, 252, 279, 282, 287, 289, 294	2A-42, 45
		C-115	4A-82, 88, 96, 116, 137, 162, 164, 166, 168, 183, 184, 187, 201, 204, 234, 239, 245, 252, 264, 266, 279, 282, 287, 289, 293, 306, 307, 308, 328, 330	2A-42, 45
		C-116	4A-13, 19, 30, 31, 32, 35, 36, 38, 40, 43, 48, 64, 74, 82, 83, 86, 88, 94, 96, 105, 107, 111, 113, 136, 140, 141, 142, 143, 144, 146, 150, 154, 158, 160, 162, 164, 166, 167, 168, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 260, 261, 264, 266, 268, 270, 272, 274, 276, 278, 279, 281, 282, 285, 286, 287, 288, 289, 291, 292, 293, 294, 299, 301, 305, 306, 308, 309, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 336, 338, 340, 342	2A-42, 45
	Dash wiring harness and radio sub wiring harness combination	C-20	4A-276, 277, 278, 280, 281, 284, 285, 286, 288	2A-43, 44
	Daytime running lamp control unit	A-09	4A-105, 107, 121, 123	2A-5, 9, 17, 25, 33
	Daytime running lamp harness and front wiring harness combination or front wiring harness joint connector	A-29	4A-101, 102, 105, 107, 116, 121, 123	2A-5, 9, 17, 25, 33
		A-30	4A-101, 102, 105, 107, 116, 121, 123	2A-5, 9, 17, 25, 33
	Daytime running lamp relay 1	A-08	4A-105, 107	2A-5, 9, 17, 25, 33
	Daytime running lamp relay 2	A-07	4A-105, 107	2A-5, 9, 17, 25, 33
	Dedicated fuse No. ⑨	C-91	4A-15, 21, 295, 296	2A-42, 45
	Defogger (+)	G-03	4A-271	2A-58
	Defogger (-)	G-06	4A-271	2A-58

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
D	Defogger cable and back door wiring harness combination	G-04	4A-271	2A-58
	Defogger switch	C-13	4A-270	2A-42, 44
	Detonation sensor	A-79	4A-68, 78	2A-18, 22
	Diagnosis connector	C-104	4A-52, 60	2A-42, 45
		C-113	4A-45, 52, 60, 69, 79, 91, 100, 310, 315, 319, 323, 327, 341, 343	2A-42, 45
	Dim-dip lamp relay 1	C-70	4A-111, 113	2A-45
	Dim-dip lamp relay 2	C-71	4A-110, 112	2A-45
	Dim-dip lamp relay 3	C-72	4A-110, 112	2A-45
	Diode (for ABS circuit)	C-45	4A-308	2A-43, 45
	Diode (for dim-dip lamp circuit)	C-73	4A-110, 112	2A-45
		C-74	4A-111, 113	2A-45
	Diode (for Headlamp circuit)	C-69	4A-102, 107, 113, 123, 126	2A-42, 45
	Diode (for MPI circuit)	C-46	4A-66, 76, 299	2A-43, 45
	Diode (for super select 4WD circuit)	C-27	4A-304	2A-43, 45
	Distributor signal generator	A-102	4A-44, 50, 53	2A-6, 11, 15
	Door key cylinder switch <Vehicles with central door locking>	F-05	4A-172	2A-54, 56
		F-14	4A-174	2A-55, 57
	Door lock actuator (Back door)	G-12	4A-173, 175	2A-58
	Door lock actuator (Front:LH)	F-13	4A-172, 175	2A-54, 55, 56, 57
	Door lock actuator (Front:RH)	F-06	4A-173, 174	2A-54, 55, 56, 57
	Door lock actuator (Rear:LH)	F-10	4A-173, 175	2A-56, 57
	Door lock actuator (Rear:RH)	F-09	4A-173, 175	2A-56, 57
	Door lock control unit	C-87	4A-172, 174	2A-42, 45
	Door wiring harness (driver's side) and dash wiring harness combination	C-85	4A-172, 174	2A-42, 45
		C-86	4A-162, 163, 166, 164, 166, 167, 168, 172, 174, 271	2A-42, 45
	Door wiring harness (passenger's side) and dash wiring harness combination	C-32	4A-162, 163, 166, 167, 173, 175, 271	2A-43, 44
		C-33	4A-172, 174, 274	2A-43, 44
	Dual pressure switch	A-42	4A-43, 49, 57, 65, 75, 193, 196, 200, 203, 207, 210, 216, 221, 229, 247, 255	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
E	EGR solenoid valve	A-97	4A-67, 77	2A-11, 15, 18, 22
		A-98	4A-45, 59, 68, 78	2A-7, 11, 15, 19, 23
	EGR solenoid valve I	A-89	4A-37, 39, 41	2A-27, 31, 35, 39
	EGR solenoid valve II	A-90	4A-37, 39, 41	2A-27, 31, 35, 39
	ELC-4A/T control unit	C-81	4A-87, 89, 91, 92, 95, 97, 99, 100	2A-42, 44
	Engine control relay or fuel line heater control unit or intercooler fan control unit <Vehicles without fuel line heater>	C-30	4A-42, 46, 54, 62, 72, 297, 338	2A-43, 44
	Engine control unit	C-42	4A-26, 27, 28, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 54, 55, 56, 57, 58, 59, 62, 63, 64, 65, 69, 72, 73, 74, 75, 79, 148, 193, 196, 203, 210, 221, 236, 247	2A-43, 44
		C-43	4A-42, 43, 44, 46, 48, 49, 50, 51, 54, 56, 57, 58, 59, 62, 64, 65, 67, 68, 70, 72, 74, 75, 77, 78, 80, 87, 315, 323	2A-43, 44
	Engine control unit or glow control unit	C-41	4A-26, 27, 28, 34, 36, 38, 40, 43, 44, 45, 49, 50, 51, 52, 57, 58, 59, 60, 62, 63, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 95, 193, 196, 203, 210, 221, 236, 247, 315, 323	2A-43, 44
	Engine coolant temperature gauge unit	A-104	4A-34, 36, 38, 40, 145, 151	2A-7, 11, 15, 18, 22, 26, 30, 34, 38
F	Engine coolant temperature sensor	A-113	4A-44, 50, 58, 67, 77	2A-7, 10, 14, 18, 22, 34, 38
	Engine coolant temperature switch <A/T>	A-105	4A-83, 91, 99	2A-11, 15, 18, 22, 34, 38

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
E	Engine coolant temperature switch (for A/C compressor or control)	A-114	4A-43, 49, 57, 65, 75, 193, 196, 200, 203, 207, 210, 216, 221, 229, 242, 247, 255	2A-7, 10, 14, 18, 22, 26, 30, 34, 38
	Engine coolant temperature switch (for condenser fan motor control)	A-116	4A-199, 206, 215, 228, 241, 254	2A-26, 30, 34, 38
	Engine oil level relay	C-31	4A-156	2A-43, 44
	Engine oil level sensor	A-51	4A-156	2A-6, 8, 12, 16, 20, 24, 28, 32, 36
	Engine speed detection connector	A-66	4A-28, 63, 73	2A-18, 23
F	Floor wiring harness (LH) and floor wiring harness (RH) combination	E-29	4A-117, 121, 123, 125, 127, 128, 129, 130, 131, 135, 140, 141, 164, 168, 173, 175, 265, 267, 277, 280, 284, 285, 286, 288, 298, 300, 310, 311, 336	2A-50, 51, 52, 53
		E-30	4A-271	2A-50, 51, 52, 53
	Folding top assembly <Canvas top>	E-06	4A-295	2A-50, 51, 52, 53
		E-07	4A-295	2A-50, 51, 52, 53
	Frame wiring harness and floor wiring harness (RH) combination	E-26	4A-47, 55, 63, 73, 117, 137, 139, 144, 146, 151, 154, 299, 301, 311	2A-50, 51, 52, 53
		E-27	4A-306, 307	2A-50, 51, 52, 53
		E-28	4A-309	2A-50, 51, 52, 53
	Free wheel engage switch	A-59	4A-304, 311	2A-8, 12, 16, 20, 24, 28, 32, 36
	Front combination lamp (LH)	A-33	4A-137	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-34	4A-116	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Front combination lamp (RH)	A-57	4A-116	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
		A-58	4A-137	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Front door switch (LH)	E-31	4A-128, 129, 130, 131, 134, 336	2A-50, 51, 52, 53
	Front door switch (RH)	E-38	4A-128, 129, 130, 131, 135, 336	2A-50, 51, 52, 53
	Front impact sensor (LH) <SRS>	A-28	4A-341, 343	2A-9, 13, 17, 21, 25, 29, 33, 37
	Front impact sensor (RH) <SRS>	A-54	4A-341, 343	2A-8, 12, 16, 20, 24, 28, 32, 36
	Front seat assembly (Driver's side) <Heated seat> or power seat wiring harness and console wiring harness	D-19	4A-329, 331	2A-46, 47, 48, 49
	Front seat assembly (Passenger's side) <Heated seat>	D-08	4A-329, 331	2A-46, 47, 48, 49
	Front seat assembly <Power seat>	D-20	4A-331, 333	2A-46, 47, 48, 49
	Front speaker (LH)	C-80	4A-277, 280, 284, 285, 286, 288	2A-42, 44
	Front speaker (RH)	C-37	4A-277, 280, 284, 285, 286, 288	2A-43, 45
	Front wiring harness and dash wiring harness combination	C-08	4A-22, 24, 30, 31, 32, 120, 122, 124, 126, 136, 162, 163, 166, 167, 272, 318, 326, 333	2A-42, 44
		C-09	4A-270	2A-42, 44
		C-10	4A-30, 31, 32, 43, 49, 57, 65, 75, 101, 102, 104, 105, 106, 107, 110, 112, 117, 136, 143, 155, 156, 159, 161, 193, 196, 200, 203, 207, 210, 216, 221, 229, 236, 242, 247, 255, 260, 261, 264, 266, 287, 290, 291, 315, 319, 330	2A-42, 44
		C-28	4A-136, 143, 156, 159, 161, 264, 266, 268, 279, 283, 304, 306, 307, 311	2A-43, 45
		C-29	4A-341, 343	2A-43, 45
	Front wiring harness and floor wiring harness (RH) combination	C-36	4A-52, 60, 69, 79, 308, 309	2A-45
	Front wiring harness and junction block combination	C-100	4A-128, 129, 130, 131	2A-42, 45
		C-101	4A-14, 20, 43, 48, 64, 74, 86, 94, 128, 129, 130, 131, 134, 135, 139, 158, 160, 172, 174, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252, 276, 278, 281, 285, 286, 288, 291, 292, 294, 309, 312, 316, 320, 324, 341, 343	2A-42, 45

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
F	Front wiring harness and junction block combination	C-102	4A-15, 21, 66, 76, 82, 83, 86, 94, 105, 107, 111, 113, 116, 120, 122, 124, 126, 136, 137, 140, 141, 142, 143, 144, 146, 150, 158, 161, 163, 166, 167, 176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252, 268, 270, 273, 276, 278, 281, 285, 286, 288, 292, 293, 298, 300, 307, 309, 312, 316, 320, 324, 328, 330, 336, 340, 342	2A-42, 45
		C-103	4A-13, 14, 19, 20, 43, 48, 64, 74, 86, 94, 128, 129, 130, 131, 134, 135, 158, 160, 172, 174, 276, 278, 281, 285, 286, 288, 291, 292, 294, 308, 312, 314, 316, 318, 320, 322, 324, 326, 341, 343	2A-42, 45
	Fuel cut solenoid valve	A-109	4A-35, 37, 39, 41	2A-27, 31, 35, 39
	Fuel gauge unit	G-14	4A-144, 147, 151, 154	2A-58
	Fuel injection pump wiring harness and control wiring harness combination	A-106	4A-34, 35, 36, 37, 39, 41, 151, 152	2A-27, 31, 35, 39
	Fuel line heater or no connection	A-93	4A-338	2A-27, 35, 39
	Fuel pump check connector	A-67	4A-42, 47, 55, 63, 73	2A-6, 10, 15, 18, 23
	Fuel pump <MPI>	G-13	4A-42, 47, 55, 63, 73	2A-58
G	Geomagnetic sensor	D-05	4A-161	2A-46, 47, 48, 49
	Glow plug	A-71	4A-34, 36, 38, 40	2A-26, 30, 34, 38
	Glow plug relay	A-100	4A-34, 36, 38, 40	2A-27, 31, 35, 39
		A-101	4A-34, 36, 38, 40	2A-27, 31, 35, 39
	G sensor	A-99	4A-34, 36, 38, 40, 51	2A-27, 31, 35, 39
H	Hazard switch	C-14	4A-136	2A-42, 44
	Headlamp (LH)	A-36	4A-101, 102, 104, 106, 110, 112	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Headlamp leveling switch	C-68	4A-114	2A-42, 45
	Headlamp leveling unit (LH)	A-35	4A-114	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Headlamp leveling unit (RH)	A-56	4A-114	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Headlamp (RH)	A-55	4A-101, 102, 104, 106, 110, 112	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Headlamp washer motor and headlamp washer fluid level sensor	A-01	4A-268	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Headlamp washer relay	C-88	4A-268	2A-42, 45
	Heated seat switch (Driver's side)	D-15	4A-328, 330	2A-46, 47, 48, 49
	Heated seat switch (Passenger's side)	D-14	4A-328, 330	2A-46, 47, 48, 49
	High range/low range detection switch	B-08	4A-302, 305	2A-40, 41
	Horn (HI)	A-46	4A-142, 143	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
		A-47	4A-142, 143	2A-4, 8, 12, 16, 20, 24, 28, 32, 36
	Horn (LO)	A-44	4A-142, 143	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-45	4A-142, 143	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Horn relay <Vehicles with SRS>	A-31	4A-143	2A-9, 13, 17, 21, 25, 29, 33, 37
	Hydraulic unit	A-63	4A-308	2A-10, 12, 18, 20, 27, 28, 35, 36
		A-64	4A-308	2A-10, 12, 18, 20, 27, 28, 35, 36
I	Idle speed control servo	A-72	4A-45, 51, 59, 68, 78	2A-6, 10, 14, 18, 22
	Idle up solenoid valve <ABS>	A-65	4A-309	2A-27, 28, 35, 36
	Idle up solenoid valve <A/C>	A-94	4A-200, 207, 216, 229, 242, 255	2A-26, 31, 34, 39

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
I	Ignition coil	A-86	4A-26, 27, 29, 45, 63, 73	2A-7, 10, 14, 19, 23
	Ignition switch	A-87	4A-29, 63, 73	2A-19, 23
	Ignition timing adjustment connector	A-88	4A-29, 47, 55, 63, 73	2A-19, 23
	Ignition wiring harness and control wiring harness combination	C-61	4A-12, 18	2A-42, 45
	Inhibitor switch <A/T>	A-68	4A-26, 27, 28, 45, 52, 60, 69, 79	2A-6, 10, 15, 18, 23
	Ignition wiring harness and control wiring harness combination	A-80	4A-29, 63, 73	2A-19, 23
	Injector No.1	B-09	4A-23, 24, 38, 40, 57, 75, 83, 84, 89, 97, 141, 314, 318, 322, 326, 340, 342	2A-41
	Injector No.2	A-74	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 18, 22
	Injector No.3	A-85	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 19, 23
	Injector No.4	A-75	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 18, 22
	Injector No.5	A-84	4A-45, 51, 59, 68, 78	2A-7, 11, 15, 19, 23
	Injector No.6	A-76	4A-51, 59, 68, 78	2A-11, 15, 18, 22
	Injector wiring harness and control wiring harness combination	A-83	4A-51, 59, 68, 78	2A-11, 15, 19, 23
	Instrument panel wiring harness and dash wiring harness combination	A-77	4A-45, 51, 59, 68, 78	2A-6, 10, 14, 18, 22
	Intake air temperature switch	D-01	4A-159, 160	2A-46, 47, 48, 49
J	Intercooler fan control unit <Vehicles with fuel line heater>	D-02	4A-105, 107, 155, 158, 159, 160, 291, 292	2A-46, 47, 48, 49
	Intercooler fan motor	A-95	4A-297	2A-27, 31, 35, 39
	J/C (1)	C-40	4A-297	2A-43
	J/C (2)	C-75	4A-43, 45, 52, 53, 60, 61, 66, 69, 70, 76, 79, 80, 82, 83, 86, 87, 88, 90, 92, 94, 96, 98, 100, 120, 122, 125, 127, 135, 156, 159, 161, 166, 167, 174, 176, 178, 181, 183, 184, 187, 191, 194, 197, 201, 204, 211, 217, 219, 222, 230, 234, 239, 245, 252, 270, 271, 272, 273, 277, 280, 282, 284, 293, 297, 298, 306, 307, 310, 312, 315, 316, 319, 320, 324, 328, 330, 336	2A-42, 45
	J/C (3)	C-76	4A-15, 21, 30, 31, 32, 34, 35, 36, 38, 39, 40, 41, 42, 49, 57, 65, 66, 75, 76, 84, 87, 95, 139, 156, 174, 177, 180, 208, 213, 219, 226, 270, 272, 289, 296, 308, 310, 312, 314, 315, 316, 318, 320, 336, 338, 340, 342	2A-42, 45
	J/C (4)	C-77	4A-15, 21, 42, 53, 61, 66, 70, 76, 80, 82, 83, 84, 87, 88, 90, 92, 94, 95, 96, 98, 100, 120, 122, 125, 127, 139, 145, 148, 156, 158, 159, 161, 172, 183, 185, 188, 201, 204, 237, 243, 248, 256, 270, 271, 273, 293, 295, 296, 297, 300, 301, 307, 308, 310, 311, 312, 315, 316, 319, 320, 323, 324, 327, 328, 330, 336, 341, 343	2A-45
K	Jumper connector	C-78	4A-49, 57, 65, 75, 82, 83, 84, 87, 88, 95, 96, 139, 148, 156, 272, 310, 311, 320, 321, 322, 323, 324, 326, 327, 341, 343	2A-45
	Key cylinder illumination lamp timer	C-114	4A-52, 60, 69, 79, 91, 100	2A-45
L	Kickdown switch	C-44	4A-134, 135	2A-43, 44
	Lever position sensor	C-16	4A-91, 99	2A-43, 45
M	Lever position switch <A/T>or short connector <M/T>	A-107	4A-36, 38, 40, 95	2A-27, 31, 35, 39
	Licence plate lamp	A-108	4A-198, 205, 214, 227, 240, 253	2A-27, 31, 35, 39
	Lighting monitor buzzer	G-11	4A-117	2A-58
	Magnetic clutch <A/C>	C-53	4A-336	2A-43, 44
M	Map lamp or room lamp or canvas roof switch	A-40	4A-43, 49, 57, 65, 75, 193, 196, 200, 203, 207, 210, 216, 221, 229, 236, 242, 247, 255	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
	Motor antenna	E-02	4A-129, 130, 131	2A-50, 51, 52, 53
		A-03	4A-279, 283, 287	2A-4, 8, 13, 16, 21, 24, 29, 32, 37

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
M	Motor antenna	A-04	4A-283, 290	2A-4, 8, 13, 16, 21, 24, 29, 32, 37
	Motor antenna control unit	C-52	4A-279, 283, 287, 290	2A-43, 44
	Motor antenna switch	C-55	4A-282, 289	2A-42, 44
	Multi-meter	D-04	4A-159, 160	2A-46, 47, 48, 49
N	No connection	E-11	—	2A-50, 51, 52, 53
		E-15	—	2A-52, 53
		F-01	—	2A-54, 55, 56, 57
	Noise filter	F-15	—	2A-54, 55, 56, 57
O		A-69	4A-26, 27, 45, 47, 55, 145, 148	2A-6, 10, 14
		A-70	4A-26, 27, 45, 47, 55, 145, 148	2A-6, 10, 14
	Oil pressure switch	A-48	4A-155	2A-6, 8, 12, 16, 20, 24, 28, 34, 38
	Overdrive control relay	C-79	4A-83	2A-42, 45
	Overdrive switch	D-09	4A-82, 88, 96, 312, 322	2A-48, 49
P	Oxygen sensor <4G64 engine>	A-119	4A-44	2A-6
	Oxygen sensor <6G72,6G74 engine>	B-10	4A-51, 59, 68, 78	2A-41
	Parking brake switch	D-16	4A-156	2A-46, 47, 48, 49
	Power/Hold changeover switch <ELC-4A/T>	D-23	4A-88, 96	2A-48, 49
	Power seat wiring harness and dash wiring harness combination	D-18	4A-333, 335	2A-46, 47, 48, 49
	Power steering oil pressure switch <A/T> or No connection	A-117	4A-52, 60, 69, 79	2A-10, 14, 18, 22
	Power transistor	A-81	4A-26, 27, 28, 45, 63, 73	2A-7, 10, 14, 19, 23
		A-82	4A-28, 47, 55, 63, 73	2A-19, 23
	Power window main switch (Driver's side)	F-17	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window motor (Front:LH)	F-16	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window motor (Front:RH)	F-03	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window motor (Rear:LH)	F-12	4A-165, 169	2A-56, 57
	Power window motor (Rear:RH)	F-07	4A-165, 169	2A-56, 57
	Power window sub switch (Passenger's side)	F-04	4A-162, 163, 166, 167	2A-54, 55, 56, 57
	Power window sub switch (Rear:LH)	F-11	4A-165, 169	2A-56, 57
	Power window sub switch (Rear:RH)	F-08	4A-165, 169	2A-56, 57
R	Radio	C-21	4A-213, 276, 277, 278, 280, 281, 284, 285, 286, 288	2A-43, 44
		C-22	4A-277, 278, 280, 281, 284, 285, 286, 288	2A-43, 44
	Rear A/C control unit	E-16	4A-211, 217, 225, 233, 237, 243, 251, 259	2A-52, 53
	Rear blower main switch	D-17	4A-178, 181, 185, 188, 211, 217, 222, 230, 237, 243, 248, 256	2A-46, 47, 48, 49
	Rear combination lamp harness and floor wiring harness (LH) combination	E-22	4A-121, 123, 125, 127, 140, 141	2A-50, 51, 52, 53
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	Rear combination lamp (LH)	E-19	4A-121, 123, 125, 127, 140, 141	2A-50, 51, 52, 53
	Rear combination lamp (RH)	G-08	4A-117, 121, 123, 125, 127, 140, 141	2A-58
	Rear console wiring harness and console wiring harness combination	D-12	4A-328, 330	2A-46, 47, 48, 49
	Rear differential lock air pump	E-25	4A-298, 300	2A-50, 51, 52, 53
	Rear differential lock control unit	E-24	4A-299, 301, 311	2A-50, 51, 52, 53
	Rear differential lock detection switch	G-18	4A-299, 301, 311	2A-58
	Rear differential lock switch	D-24	4A-298, 300	2A-46, 47, 48, 49
	Rear door switch (LH)	E-36	4A-131	2A-52, 53
	Rear door switch (RH)	E-09	4A-131	2A-50, 51, 52, 53
	Rear door wiring harness (LH) and floor wiring harness (LH) combination	E-32	4A-165, 169, 173, 175	2A-52, 53
	Rear door wiring harness (RH) and floor wiring harness (RH) combination	E-39	4A-165, 169, 173, 175	2A-52, 53
	Rear fog lamp switch	C-02	4A-120, 122, 125, 127	2A-42, 45

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
R	Rear heater assembly	E-40	4A-179, 182, 186, 189, 223, 231, 249, 257	2A-52, 53
	Rear heater control switch or rear A/C control switch <Dual A/C>	E-35	4A-179, 186, 189, 212, 217, 223, 231, 238, 244, 249, 257	2A-50, 51, 52, 53
	Rear speaker (LH)	E-37	4A-277, 280, 284, 285, 286, 288	2A-52, 53
	Rear speaker (RH)	E-10	4A-277, 280, 284, 285, 286, 288	2A-50, 51, 52, 53
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	Rear wiper motor	G-07	4A-265, 267	2A-58
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		A-20X	4A-11, 17, 101, 102, 104, 106, 110, 112	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-21X	4A-297	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-22X	4A-30, 31, 32	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
		A-23X	4A-120, 122, 124, 126	2A-5, 9, 13, 17, 21, 25, 29, 33, 37
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		C-96X	4A-270	2A-42, 45
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	Remote controlled mirror (RH)	F-02	4A-271, 274	2A-54, 55, 56, 57
	Remote controlled mirror switch	C-03	4A-274	2A-42, 45
	Resistor (for blower motor control circuit)	C-38	4A-176, 177, 180, 183, 184, 187, 191, 194, 197, 201, 204, 208, 213, 219, 226, 234, 239, 245, 252	2A-43, 44
	Resistor (for dim-dip lamp circuit)	A-32	4A-110, 112	2A-13, 21, 29, 37
	Rheostat or jumper connector	C-04	4A-144, 146, 150	2A-42, 44
	Roof wiring harness and dash wiring harness combination	C-99	4A-272, 295, 296	2A-42, 45
	Room lamp	E-04	4A-128, 129, 131, 295	2A-50, 51, 52, 53
	Rotation sensor	A-111	4A-37, 39, 41, 152	2A-27, 31, 35, 39
S	Shock absorber (Front:LH) <Remote controlled variable shock absorber>	A-39	4A-306	2A-9, 13, 17, 21, 25, 29, 33, 37
	Shock absorber (Front:RH) <Remote controlled variable shock absorber>	A-53	4A-306	2A-8, 12, 16, 20, 24, 28, 32, 36
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	Solenoid valve A <Super select 4WD>	A-60	4A-304	2A-8, 12, 16, 20, 24, 28, 32, 36

	Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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	Speed sensor (Front:LH) <ABS>	A-38	4A-309	2A-9, 13, 17, 21, 25, 29, 33, 37
	Speed sensor (Front:RH) <ABS>	A-52	4A-309	2A-8, 12, 16, 20, 24, 28, 32, 36
	Speed sensor (Rear:LH) <ABS>	G-17	4A-309	2A-58
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MITSUBISHI PAJERO

WORKSHOP MANUAL ELECTRICAL WIRING

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<1994 models>							
Foreword	C	Dec. 1993	ADDED				
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1A-HOW TO READ THE WIRING DIAGRAMS							
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MITSUBISHI PAJERO ELECTRICAL WIRING

FOREWORD

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

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

TECHNICAL INFORMATION PYJE9002
MANUAL

WORKSHOP MANUAL PWJE9086
(Loose-leaf edition)

WORKSHOP MANUAL PWEE□□□□
Engine Group (Loose-leaf edition)

PARTS CATALOGUE B6035604A□

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

GROUP INDEX

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



HOW TO USE THIS MANUAL

CONTENTS

The preceding page contains GROUP INDEX which 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 numbers 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.

1 HOW TO READ THE WIRING DIAGRAMS

MODEL	1- 3
COMPOSITION AND CONTENTS OF WIRING DIAGRAMS	1- 4
HOW TO READ CONFIGURATION DIAGRAMS	1- 5
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NOTES

MODEL**<2-DOOR MODELS>**

Model code		Body style	Engine model	Transmission model	Fuel supply system
V21C	NSEL6	Canvas top	4G64 [2351 cm ³ , (143.5 cu.in.)]	V5M21 (5M/T)	MPI
V24C	NSFL6		4D56 [2477 cm ³ , (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
V23C	GRHEL6	Canvas top with wide fender	6G72 [2972 cm ³ , (181.3 cu.in.)]	V4AW2 (4A/T)	MPI
V21W	NHEL6	Wagon	4G64 [2351 cm ³ , (143.5 cu.in.)]	V5M21 (5M/T)	MPI
V24W	NAFL6	Wagon	4D56 [2477 cm ³ , (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection
	NBFL6				
	NDFL6				
	NHFL6/R6				
V24WG	NCFL6	Wagon with wide fender	6G72 [2972 cm ³ , (181.3 cu.in.)]	V4AW2 (4A/T)	MPI
	NXFL6/R6				
V23W	GNXEL6/R6				
	GRXEL6/R6				

<4-DOOR MODELS>

Model code		Body style	Engine model	Transmission model	Fuel supply system		
V41W	NHEL6	Wagon	4G64 [2351 cm ³ , (143.5 cu.in.)]	V5M21 (5M/T)	MPI		
V44W	NDFL6		4D56 [2477 cm ³ , (151.2 cu.in.)] with turbocharger and intercooler	V5MT1 (5M/T)	Injection		
	NDFCL6	Wagon without 3rd seat row					
	NHFL6/R6	Wagon		V4AW2 (4A/T)			
	RHFL6/R6						
V44WG	NXFL6/R6	Wagon with wide fender	V5MT1 (5M/T)	V4AW2 (4A/T)	MPI		
	RXFL6/R6						
	NXFCL6	Wagon with wide fender, without 3rd seat row		V5MT1 (5M/T)			
	RXFCL6						
V43W	GNXEL6/R6	Wagon with wide fender	6G72 [2972 cm ³ , (181.3 cu.in.)]	V5MT1 (5M/T)	MPI		
	GRXEL6/R6						
	GNXECL6	Wagon with wide fender, without 3rd seat row		V5MT1 (5M/T)			
	GRXECL6						

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

This manual consists of wiring harness diagrams, installation locations of individual parts, circuit diagrams and wiring diagram.

Section	Basic contents
Wiring harness configuration diagrams	Connector locations and harness wiring configurations on actual vehicles are illustrated.
Single part installation position	Locations are shown for earth points of relays, control units, sensors, diodes, check terminals, spare terminals, fusible links, fuses, etc. In the parts lists, parts are listed in alphabetical order.
Circuit diagrams	<p>Circuits from power supply to earth are shown completely, classified according to system. There is a main division into power circuits, and circuits classified by system. The circuits classified by system also include operation and troubleshooting hints.</p> <ul style="list-style-type: none"> • Power supply circuits Circuits from the battery to fusible link, dedicated fuses, ignition switch, general purpose fuses, etc. • Circuits classified by system For each system, the circuits are shown from fuse to earth, excluding the power supply sections. • Operation The normal operation of each system is briefly described, following the route of current flow. • Troubleshooting hints This is a brief explanation of the inspection points that serve as hints when troubleshooting. Explanations of the circuits controlled by the electronic control unit are omitted. Refer to the related publications as required. • Junction block Here is the circuit for the entire junction block since only the part of the junction block needed is normally shown in each circuit diagram.
Wiring diagram	All the harnesses and connectors are shown together so that the circuit diagrams and wiring harnesses of the entire vehicle can be seen at a glance.

HOW TO READ CONFIGURATION DIAGRAMS

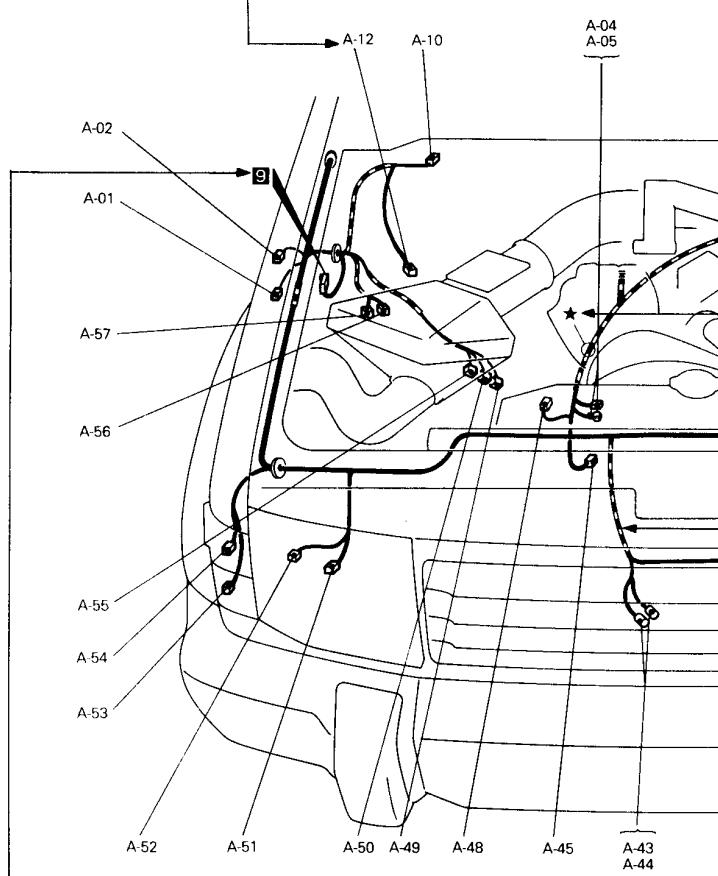
The wiring harness diagrams clearly show the connector locations and harness routings at each site in actual vehicles.

Denotes connector No.
The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.
The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.
When the connectors are centralized in one place, the connector colors are shown for easy identification.

Example: A-12 (black)

Connector colour
Number specific to connector (serial number)
Connector location site symbol
A: Engine compartment
B: Transmission
C: Dash panel
D: Instrument panel and floor console
E: Floor and roof
F: Door
G: Back door and rear under floor

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



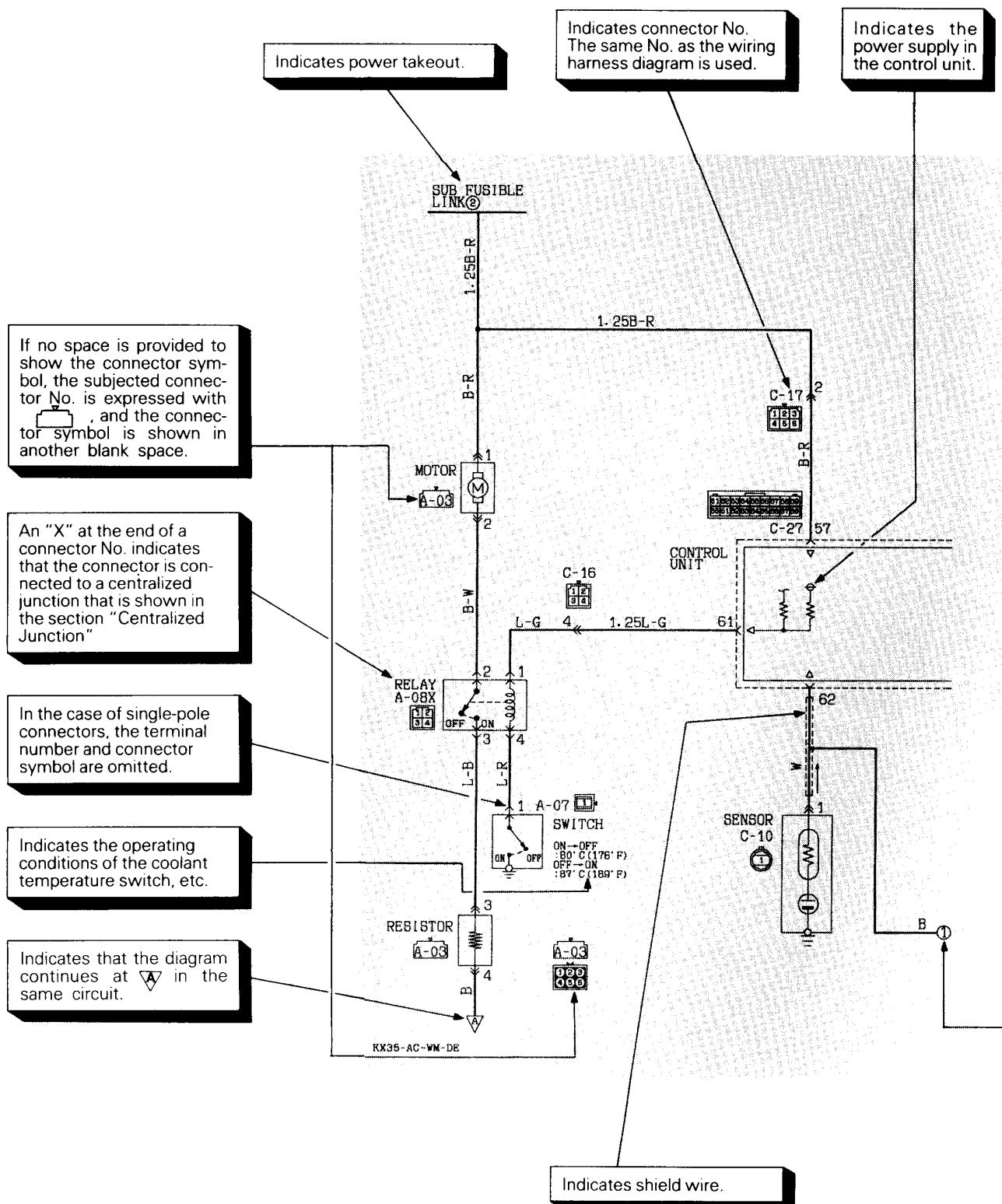
Denotes earth point.
Same earth number is used throughout circuit diagrams to facilitate search of earth point. Refer to GROUP 3 SINGLE PART INSTALLATION POSITION-EARTH MOUNTING LOCATIONS for details of earth points.

Denotes a section covered by a corrugated tube.

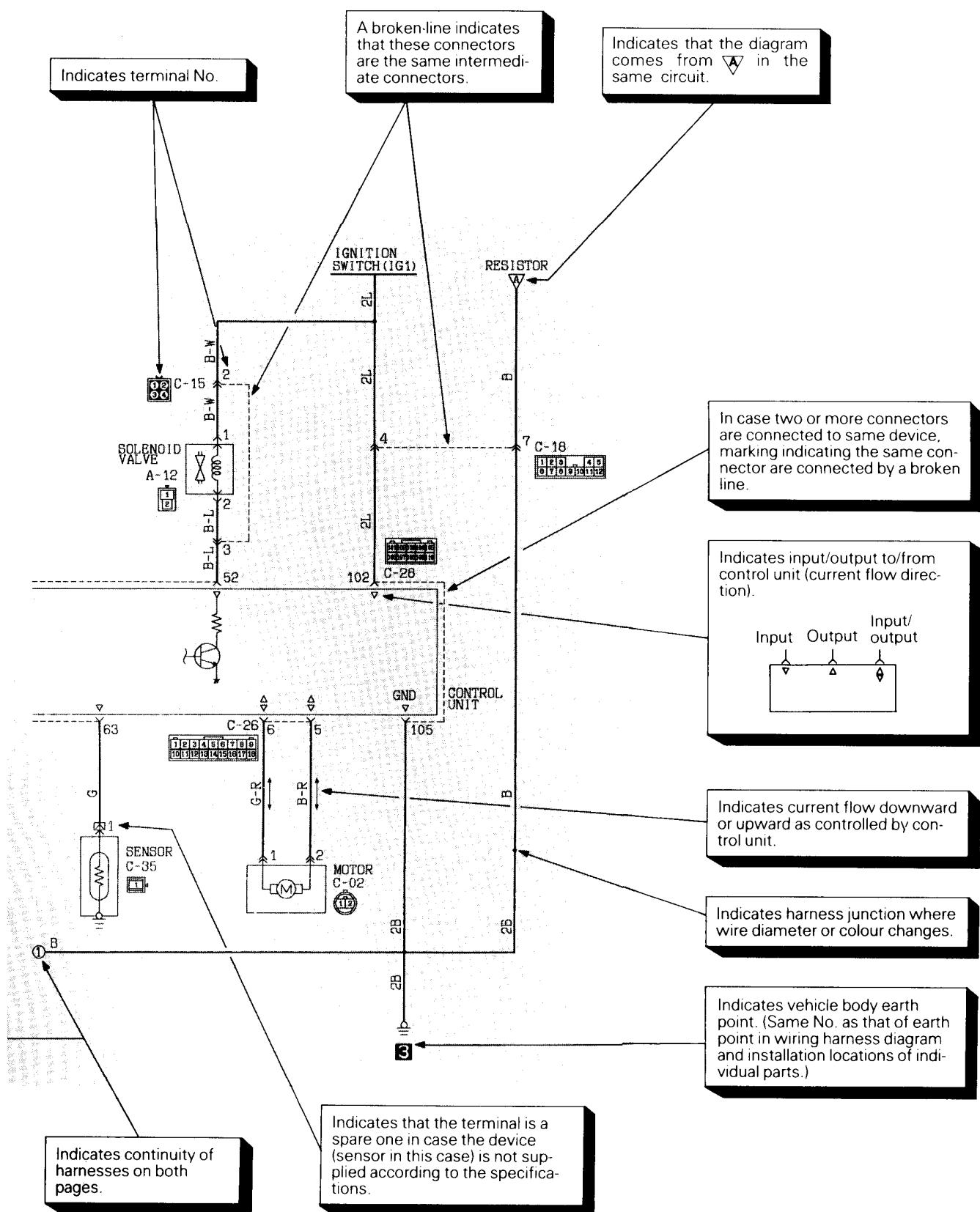
1-6 HOW TO READ THE WIRING DIAGRAMS — How to Read Circuit Diagrams

HOW TO READ CIRCUIT DIAGRAMS

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

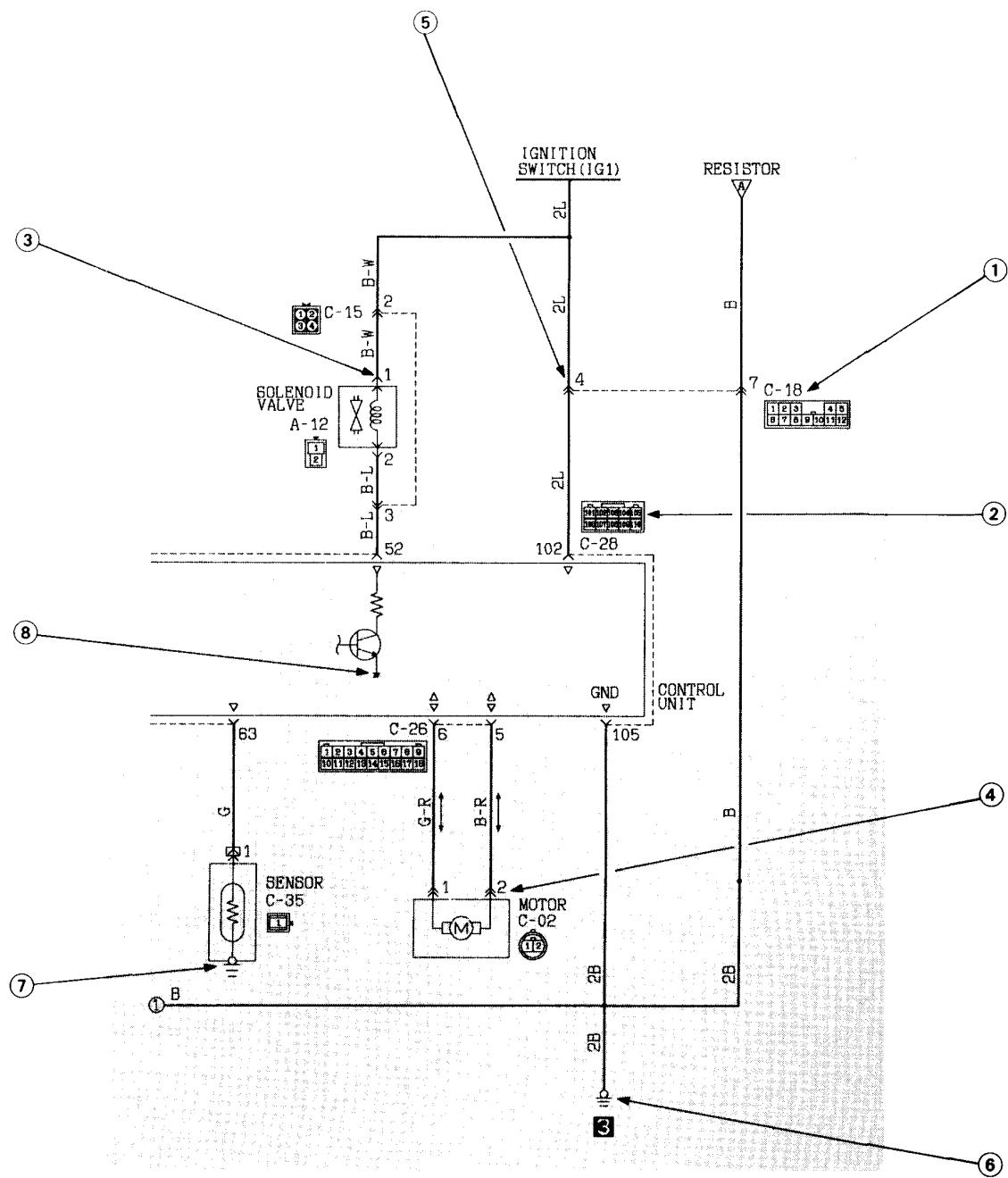


HOW TO READ THE WIRING DIAGRAMS — How to Read Circuit Diagrams 1-7

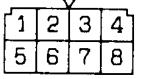
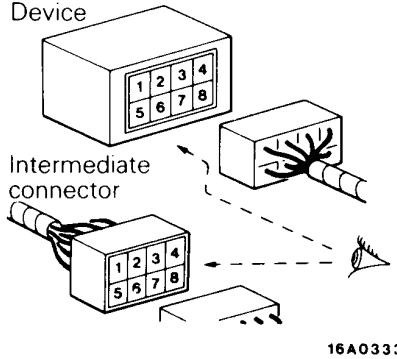
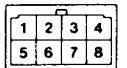
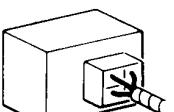
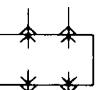
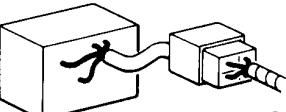
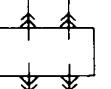
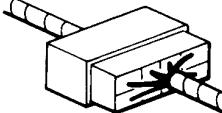
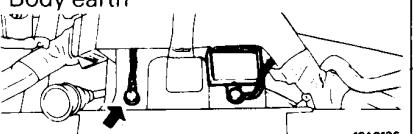
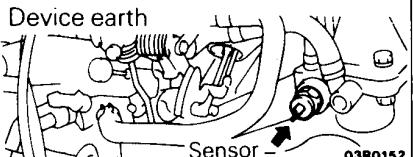
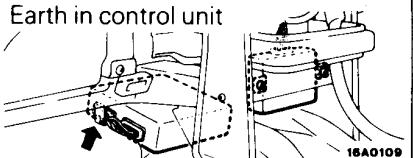


1-8 HOW TO READ THE WIRING DIAGRAMS — Markings for Connector Earthing

MARKINGS FOR CONNECTOR EARTHING



HOW TO READ THE WIRING DIAGRAMS — Markings for Connector Earthing 1-9

	No	Item	Symbol	Contents
Connector marking	①	Male 		Double connector contour lines indicate male connector terminals and single contour line indicates female terminals as illustrated here.
	-	Female 		
Connector symbol marking	②	Device  Intermediate connector		The symbol indicates the connector as viewed from illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, male connector symbol is shown.
Connector connection marking	③	Direct connection type 		A connection between a device and connector on the harness side is either by direct insertion in the device (direct connection type) or by connection with a harness connector on the device side furnished (harness connection type). The two types are indicated as illustrated.
	④	Harness connection type  16A0334		
	⑤	Intermediate connector  16A0339		
Earth markings	⑥	Body earth  16A0136		Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	⑦	Device earth  Sensor — 03R0152		
	⑧	Earth in control unit  16A0109		

1-10 HOW TO READ THE WIRING DIAGRAMS — Symbolic Marks/Wire Colour Codes

SYMBOLIC MARKS

Devices appearing in circuit diagrams are indicated by the following symbols.

Battery	Body earth	Single bulb	Resistor	Diode	Capacitor
Fuse	Equipment earth	Dual bulb	Variable resistor	Zener diode	Crossing of wires without connection
Fusible link	ECU interior earth	Speaker	Coil	Transistor	Crossing of wires with connection
Connector	Motor	Horn	Pulse generator	Buzzer	Chime
 Male side					
Thyristor	Piezoelectric device	Thermistor	Light emitting diode	Photo diode	Photo transistor

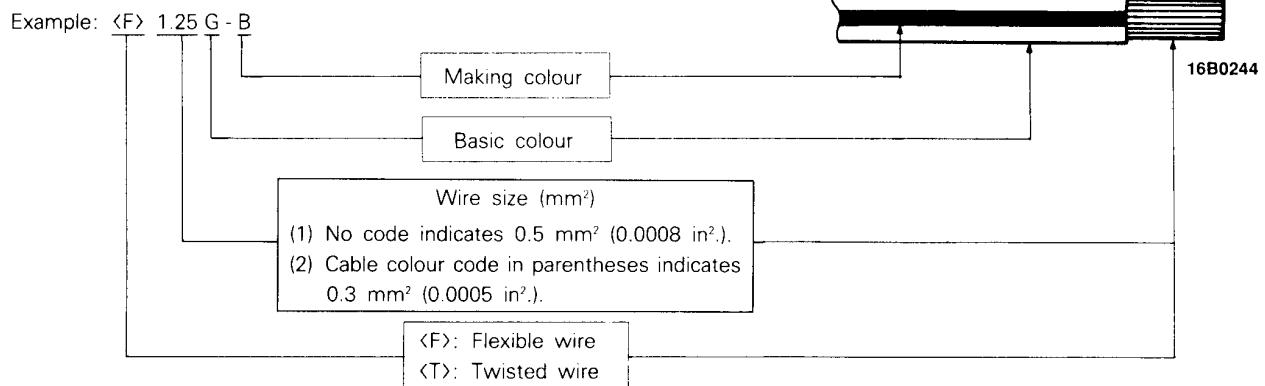
WIRE COLOUR CODES

Wire colours are identified by the following colour codes.

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

NOTE

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



ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
PETROL	Petrol-powered vehicles	M/T	Manual transmission
DIESEL	Diesel-powered vehicles	LHD	L.H. drive vehicles
MPI	Multi-point injection	RHD	R.H. drive vehicles
4G64	4G64 engine	ABS	Anti-skid brake system
6G72	6G72 engine	DRL	Daytime running lamp
4D56	4D56 engine	GND	Earth
A/C	Air conditioner	ILL	Illumination lamp
A/T	Automatic transmission	IND	Indicator lamp
		J/B	Junction block

Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
ABS	Anti-skid brake system warning lamp	HAZARD	Hazard warning indicator lamp
BEAM	Upper beam indicator lamp	OIL	Oil pressure warning lamp
BRAKE	Brake warning lamp	OIL LEVEL	Low engine oil warning lamp
C/D LOCK	Center differential lock indicator lamp	R/D LOCK	Rear differential lock indicator lamp
CHECK ENGINE	Check engine warning lamp	REED	Reed switch
CHG	Charging warning lamp	TACHO	Tachometer
DOOR	Door-ajar warning lamp	T/GA	Engine coolant temperature gauge
F/GA	Fuel gauge	TURN (LH)	Turn signal indicator lamp (L.H.)
FILTER	Fuel filter warning lamp	TURN (RH)	Turn signal indicator lamp (R.H.)
FUEL	Low fuel warning lamp	WASHER	Low washer fluid warning lamp

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

Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbol	Operation	Name of switches and relays	Abbreviation symbol	Operation
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit starts functioning.	Rear heater control switch or Rear A/C control switch	LO	Rear blower operates at low speed
	IG1	Even when at the ST (START) position, the power circuit starts functioning.		M	Rear blower operates at medium speed
	IG2	When at the ST (START) position, the power circuit does not start functioning.		HI	Rear blower operates at high speed
Dimmer passing switch	IG1	Even when at the ST (START) position, the power circuit starts functioning.	Air conditioner switch	ECONO	1st position (economical operation)
	IG2	When at the ST (START) position, the power circuit does not start functioning.		A/C	2nd position (full load operation)
	LO	Low beams ON		LO	Wipers operate at low speed
Lighting switch	HI	High beams ON	Wiper switch	HI	Wipers operate at high speed
	TAIL	Position, tail, licence-plate and instrument panel lamps ON		INT	Wipers operate intermittently
	HEAD	Headlamps ON		LH	L.H. mirror operates
Room lamp switch	DOOR	Room lamp ON when a door is open	RH/LH CHANGE-OVER SWITCH	RH	R.H. mirror operates
Turn signal switch	LH	L.H. turn signal lamps ON		OPEN	Sunroof slides open
Turn signal switch	RH	R.H. turn signal lamps ON		CLOSE	Sunroof slides to close
Power window switch	UP	Window closed	Variable shock absorber control switch	S	Sets the shock absorbers to SOFT mode
	DOWN	Window opened		M	Sets the shock absorbers to MEDIUM mode
Door lock actuator	LOCK	Door locked		H	Sets the shock absorbers to HARD mode
	UNLOCK	Door unlocked	Rear differential lock switch	LOCK	Rear differential locked
Door key cylinder switch	LOCK	Door locked		UNLOCK	Rear differential unlocked
	UNLOCK	Door unlocked	Heated seat switch	LO	Normal heating
Blower switch	LO	Blower operates at low speed		HI	Rapid heating
	ML	Blower operates at medium speed		ON	Switched on
	MH	Blower operates at medium high speed		OFF	Switched off
	HI	Blower operates at high speed			

2 WIRING HARNESS CONFIGURATION DIAGRAMS

1 OVERALL WIRING DIAGRAM

1-1	2-door models <L.H. drive vehicles>	2- 2
1-2	2-door models <R.H. drive vehicles>	2- 2
1-3	4-door models <L.H. drive vehicles>	2- 3
1-4	4-door models <R.H. drive vehicles>	2- 3

2 ENGINE COMPARTMENT A

2-1	Vehicles with 4G64 engine	2- 4
2-2	L.H. drive vehicles with 6G72 engine	2- 8
2-3	R.H. drive vehicles with 6G72 engine	2-12
2-4	L.H. drive vehicles with 4D56 engine	2-16
2-5	R.H. drive vehicles with 4D56 engine	2-20

3 TRANSMISSION B

3-1	Part time 4WD	2-24
3-2	Super select 4WD	2-25

4 DASH PANEL C

4-1	L.H. drive vehicles	2-26
4-2	R.H. drive vehicles	2-28

5 INSTRUMENT PANEL AND FLOOR CONSOLE D

5-1	L.H. drive vehicles <M/T>	2-30
5-2	R.H. drive vehicles <M/T>	2-31
5-3	L.H. drive vehicles <A/T>	2-32
5-4	R.H. drive vehicles <A/T>	2-33

6 FLOOR AND ROOF E

6-1	2-door models <L.H. drive vehicles>	2-34
6-2	2-door models <R.H. drive vehicles>	2-35
6-3	4-door models <L.H. drive vehicles>	2-36
6-4	4-door models <R.H. drive vehicles>	2-37

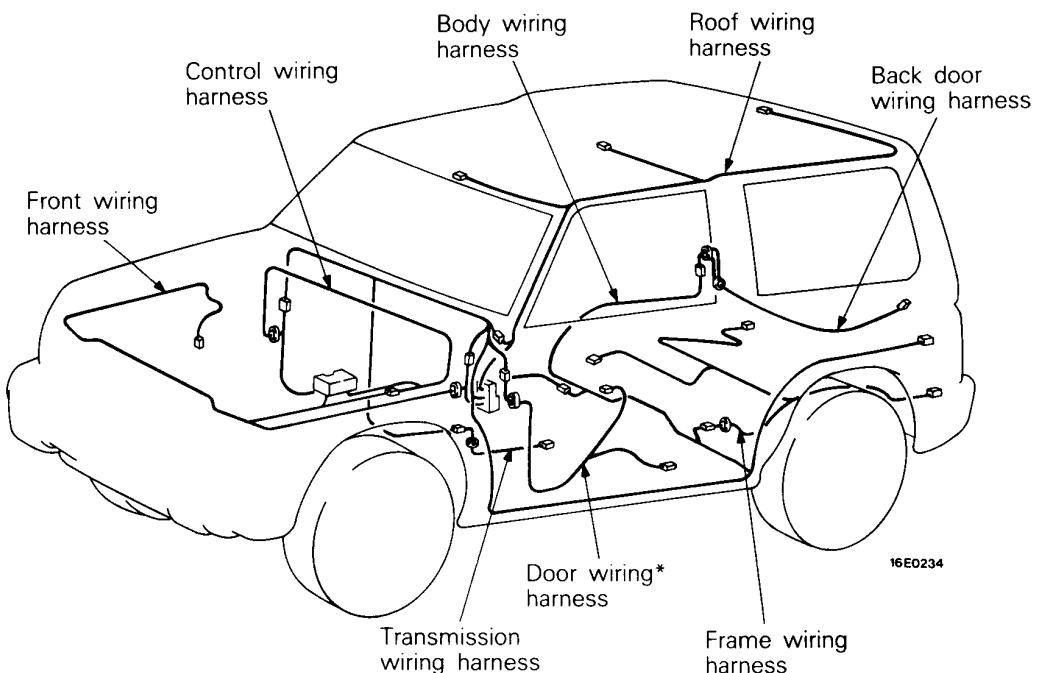
7 DOOR F

7-1	2-door models <L.H. drive vehicles>	2-38
7-2	2-door models <R.H. drive vehicles>	2-39
7-3	4-door models <L.H. drive vehicles>	2-40
7-4	4-door models <R.H. drive vehicles>	2-41

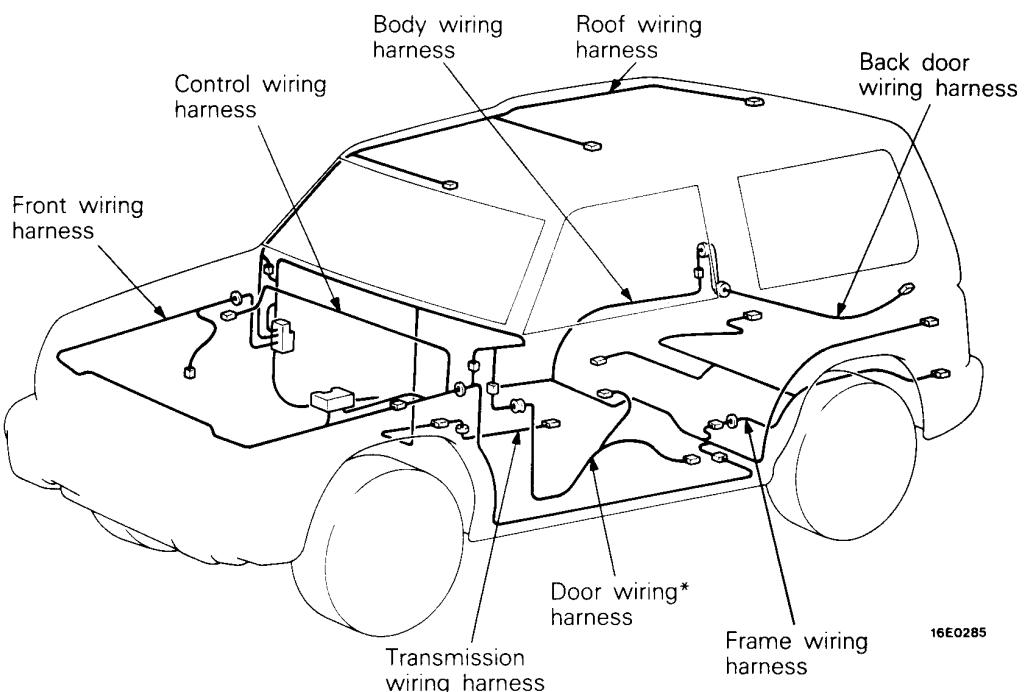
8 BACK DOOR AND REAR UNDER FLOOR G 2-42

1 OVERALL WIRING DIAGRAM

1-1 2-door models <L.H. drive vehicles>

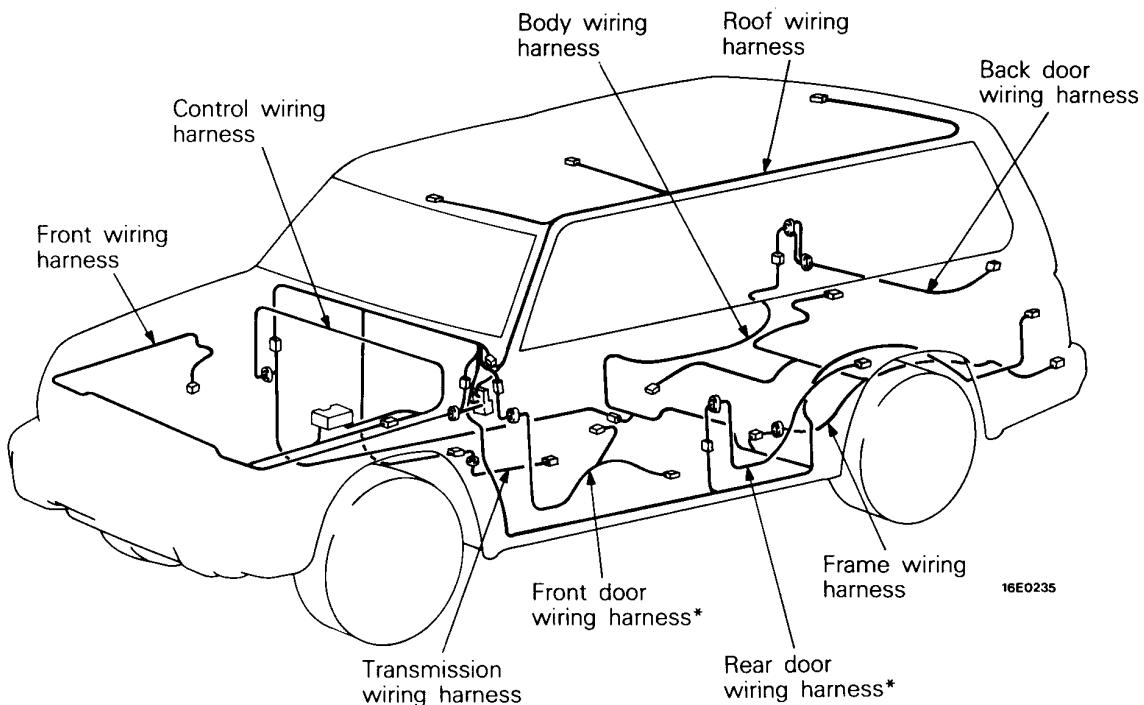
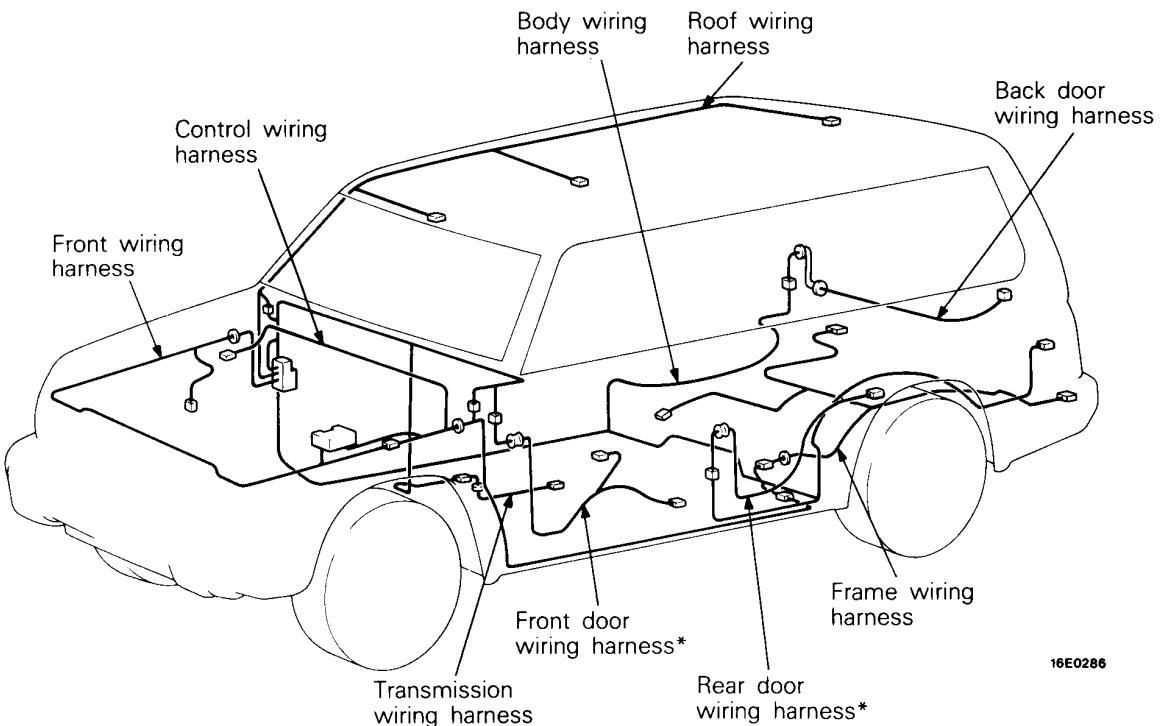


1-2 2-door models <R.H. drive vehicles>



NOTE

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

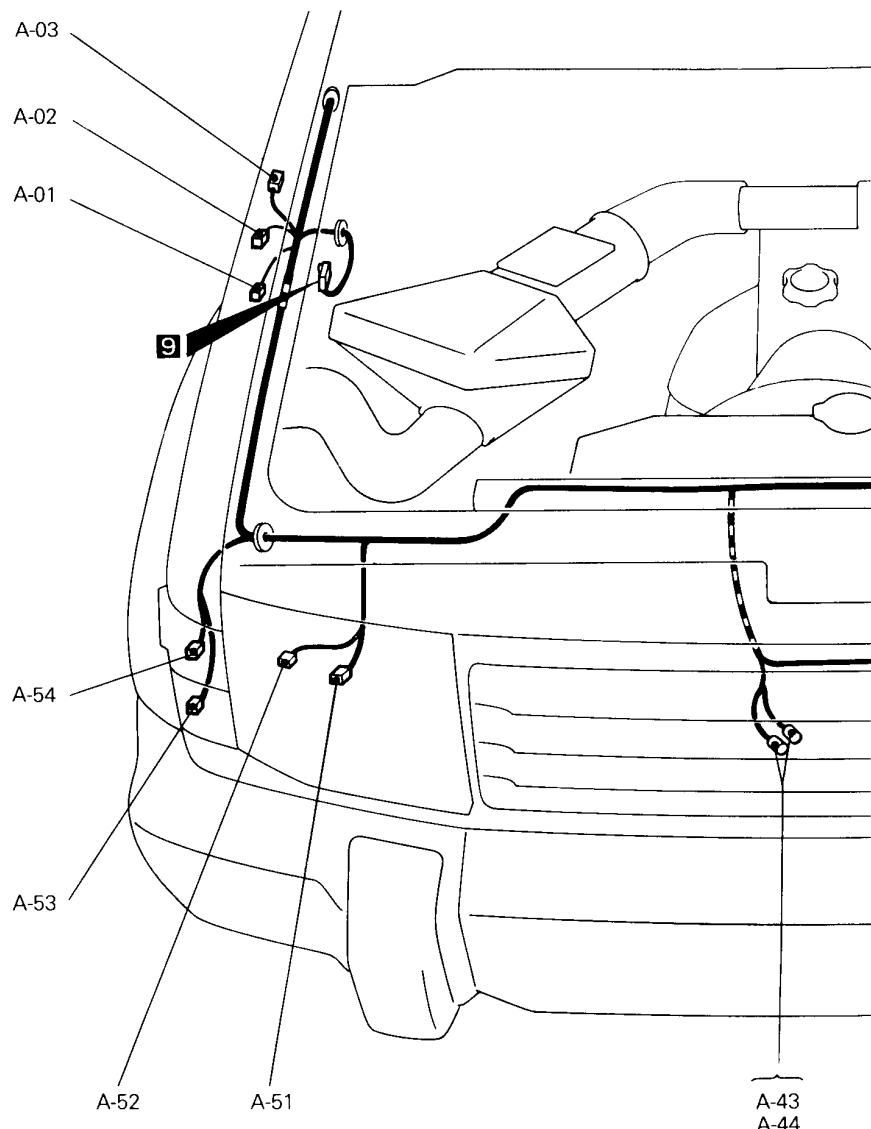
1-3 4-door models <L.H. drive vehicles>**1-4 4-door models <R.H. drive vehicles>****NOTE**

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

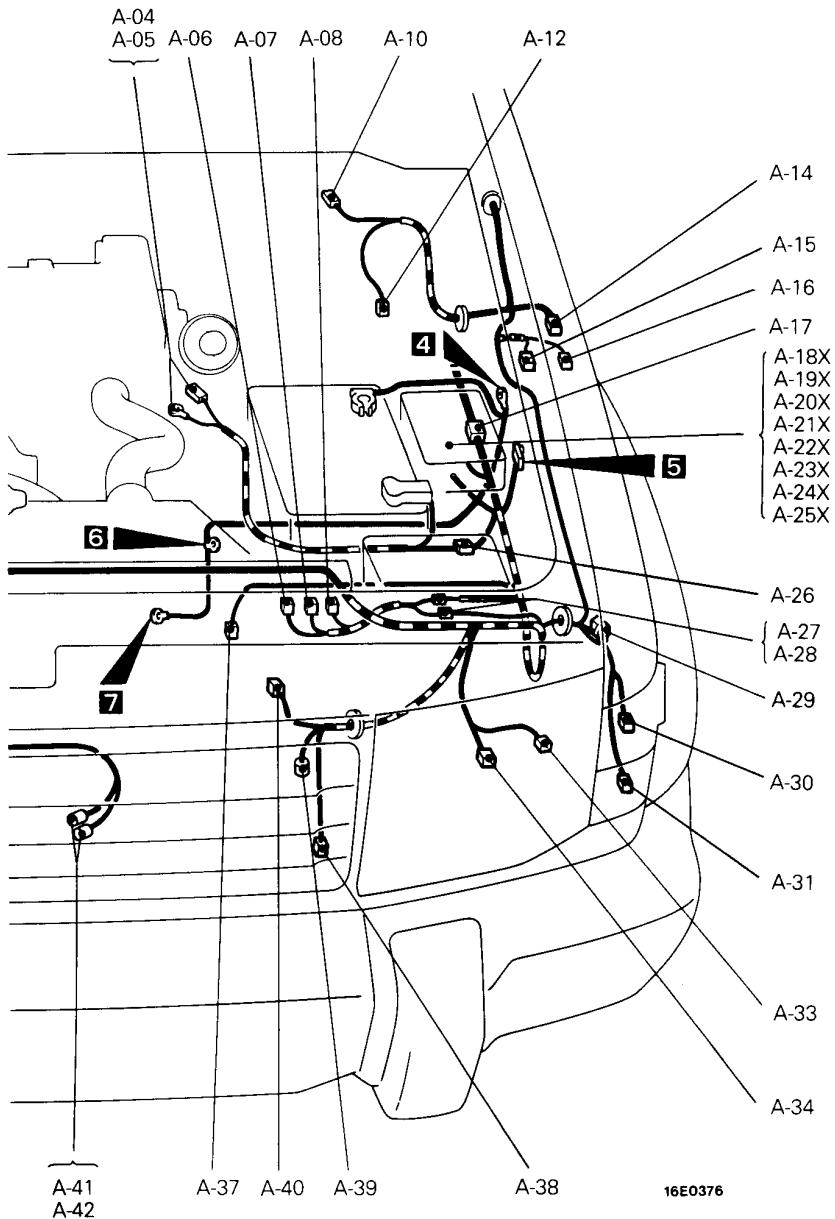
2 ENGINE COMPARTMENT

2-1 Vehicles with 4G64 engine

Connector symbol
A
-01 thru -57



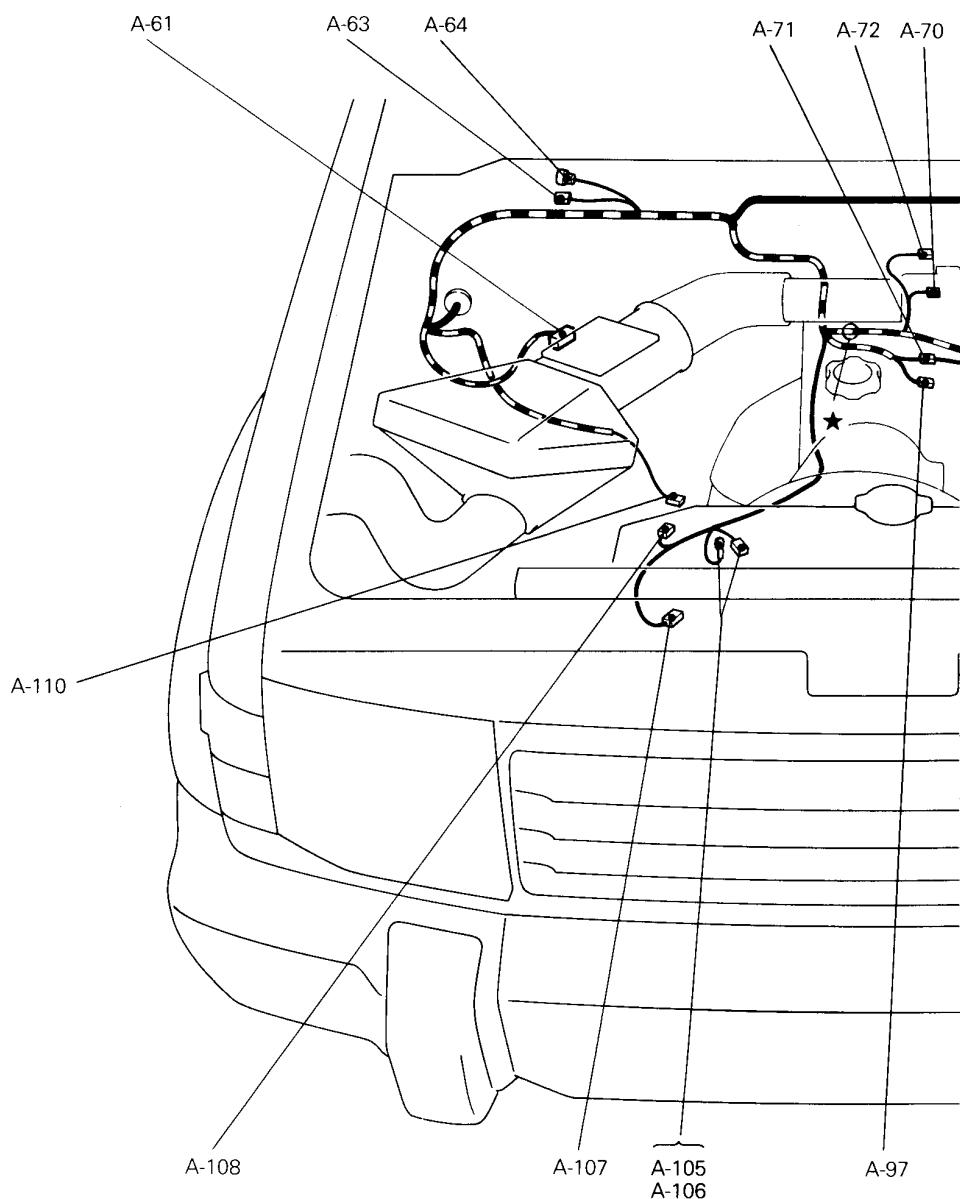
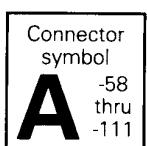
- | | | | |
|------------------|-----------------------------------|----------------------------|---|
| A-01 | Headlamp washer tank assembly | A-14 | Side turn signal lamp (LH) |
| A-02 | Side turn signal lamp (RH) | A-15 | Windshield washer motor |
| A-03 | Motor antenna | A-16 | No connection |
| A-04 }
A-05 } | Starter | A-17 | Control wiring harness and front wiring harness combination |
| A-06 | Daytime running lamp relay 2 | A-18X }
thru
A-25X } | Refer to centralized junction |
| A-07 | Daytime running lamp relay 1 | A-26 | Battery cable and front wiring harness combination |
| A-08 | Daytime running lamp control unit | A-27 }
A-28 } | Daytime running lamp harness and front wiring harness combination |
| A-09 | — | A-29 | Jumper connector |
| A-10 | Windshield wiper motor | | |
| A-11 | — | | |
| A-12 | Brake fluid level switch | | |
| A-13 | — | | |



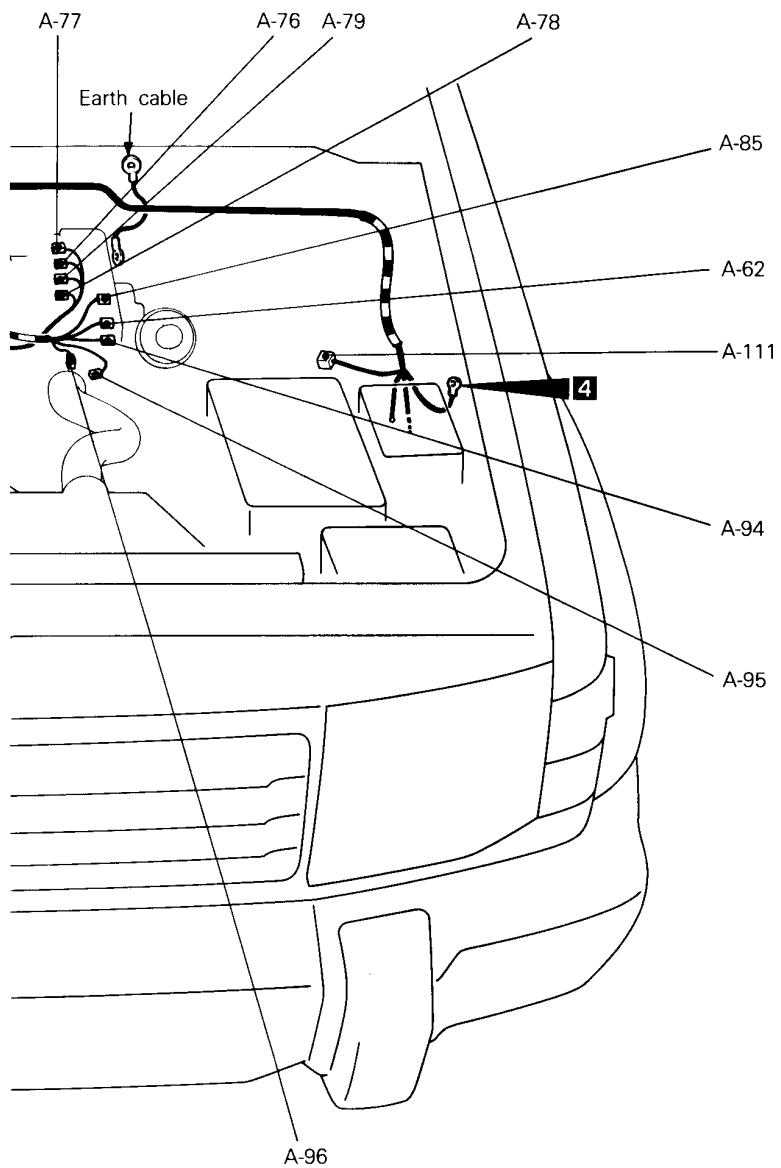
16E0376

A-30	Front combination lamp (LH)	A-43	Horn (HI)
A-31	—	A-44	—
A-32	—	A-45	—
A-33	Headlamp leveling unit (LH)	thru	—
A-34	Headlamp (LH)	A-50	—
A-35	—	A-51	Headlamp (RH)
A-36	—	A-52	Headlamp leveling unit (RH)
A-37	Magnetic clutch <A/C>	A-53	Front combination lamp (RH)
A-38	Thermo sensor (Out side air) <Multi-meter>	A-54	—
A-39	Dual pressure switch	A-55	—
A-40	Condenser fan motor	A-56	—
A-41	Horn (LO)	A-57	—
A-42			

2-1 Vehicles with 4G64 engine



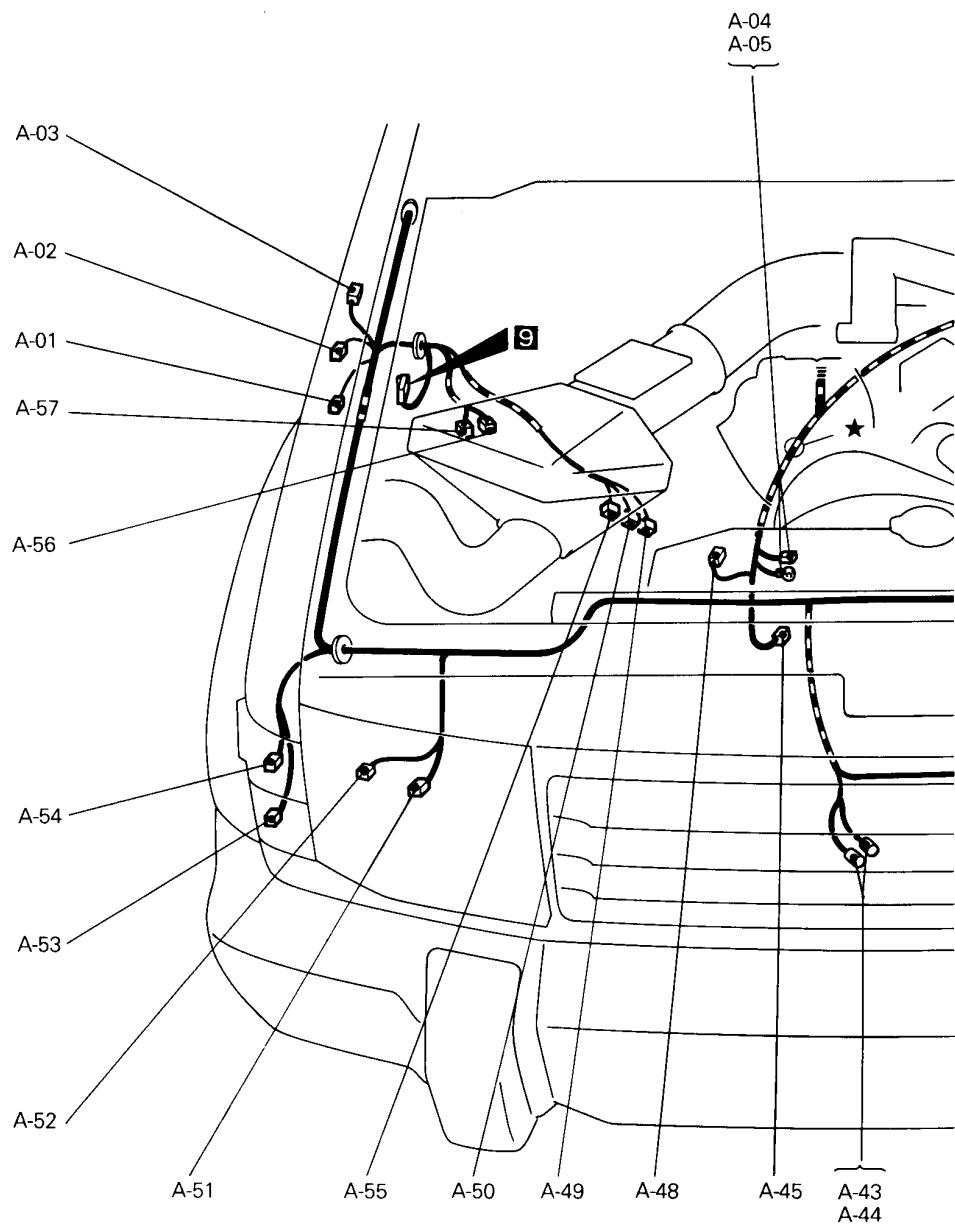
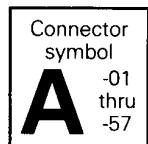
A-58	—	A-70	Throttle position sensor
A-59	—	A-71	Injector wiring harness and control wiring harness combination
A-60	—	A-72	Idle speed control actuator
A-61	Air flow sensor	A-73	—
A-62	Power transistor	A-74	—
A-63	Fuel pump check connector	A-75	—
A-64	Ignition timing adjustment connector	A-76	Injector No. 3
A-65	—	A-77	Injector No. 4
A-66	—	A-78	Injector No. 1
A-67	Noise filter	A-79	Injector No. 2
A-68			
A-69	—		



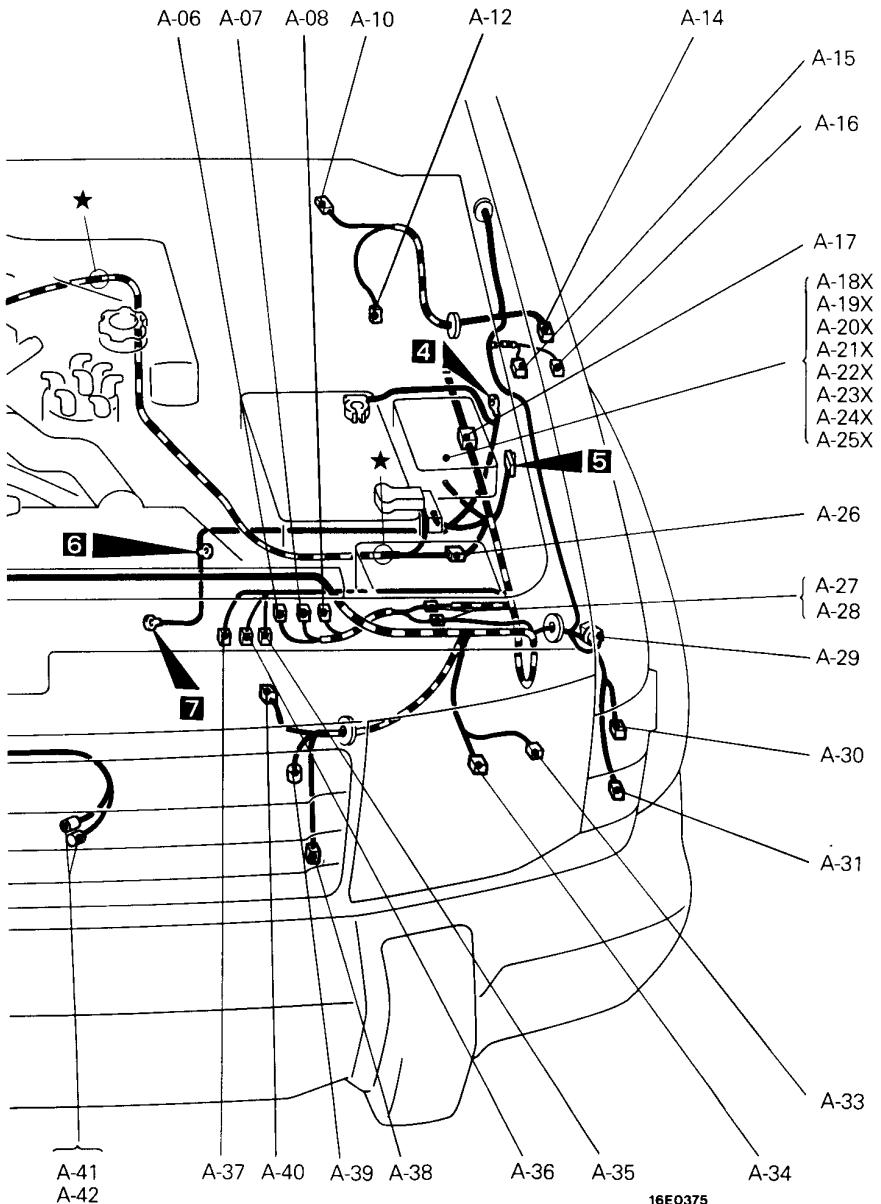
16E0377

A-80	—	A-97	Distributor signal generator
thru	—	A-98	—
A-84	—	thru	—
A-85	Ignition coil	A-104	—
A-86	—	A-105	Alternator
thru	—	A-106	—
A-93	—	A-107	Oil pressure switch
A-94	Engine coolant temperature switch (for A/C compressor control)	A-108	Engine oil level sensor
A-95	Engine coolant temperature gauge unit	A-109	—
A-96	Engine coolant temperature sensor	A-110	Oxygen sensor
		A-111	Purge control solenoid valve

2-2 L.H. drive vehicles with 6G72 engine

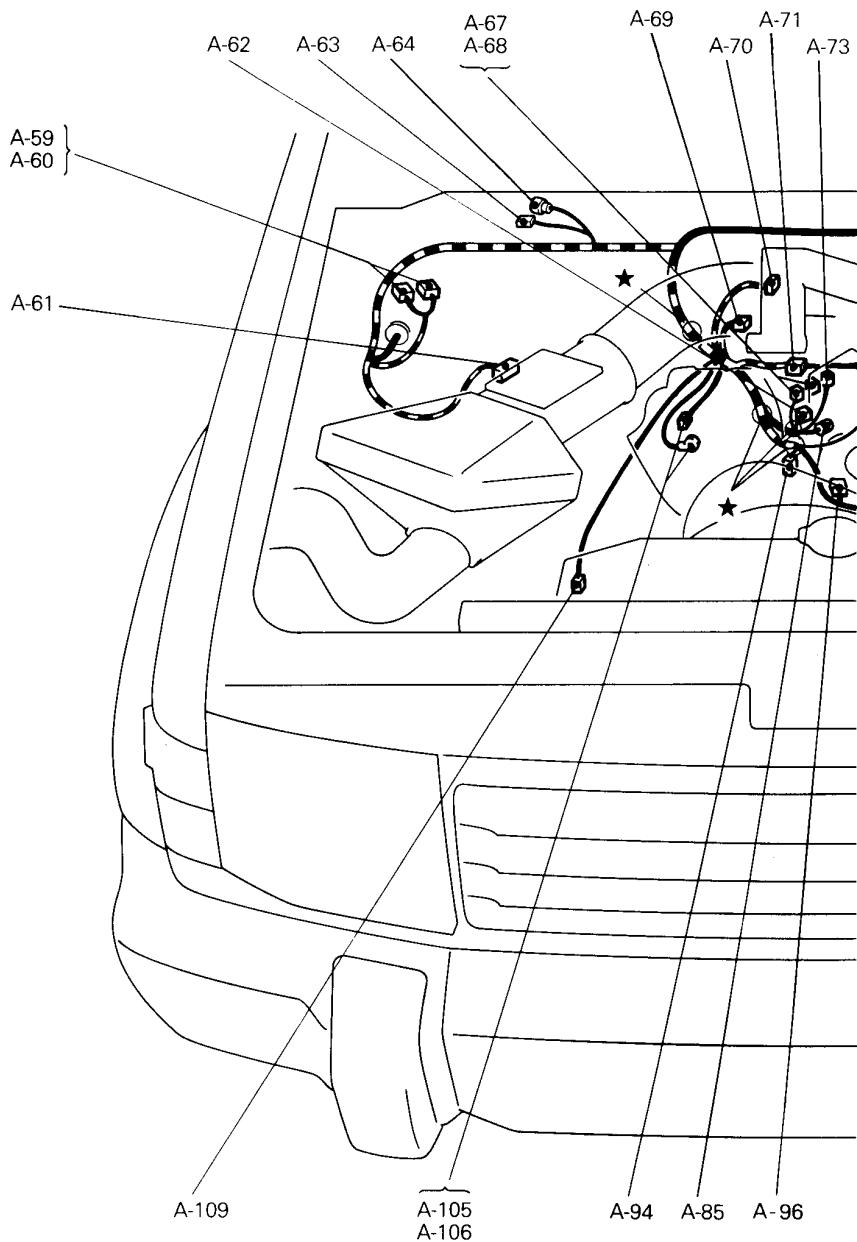
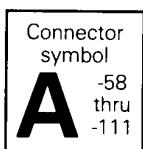


- | | | | |
|------------------|-----------------------------------|----------------------------|---|
| A-01 | Headlamp washer tank assembly | A-15 | Windshield washer motor |
| A-02 | Side turn signal lamp (RH) | A-16 | No connection |
| A-03 | Motor antenna | A-17 | Control wiring harness and front wiring harness combination |
| A-04 }
A-05 } | Starter | A-18X }
thru
A-25X } | Refer to centralized junction |
| A-06 | Daytime running lamp relay 2 | A-26 | Battery cable and front wiring harness combination |
| A-07 | Daytime running lamp relay 1 | A-27 }
A-28 } | Daytime running lamp harness and front wiring harness combination |
| A-08 | Daytime running lamp control unit | A-29 | Jumper connector |
| A-09 | — | A-30 }
A-31 } | Front combination lamp (LH) |
| A-10 | Windshield wiper motor | A-32 | — |
| A-11 | — | | |
| A-12 | Brake fluid level switch | | |
| A-13 | — | | |
| A-14 | Side turn signal lamp (LH) | | |

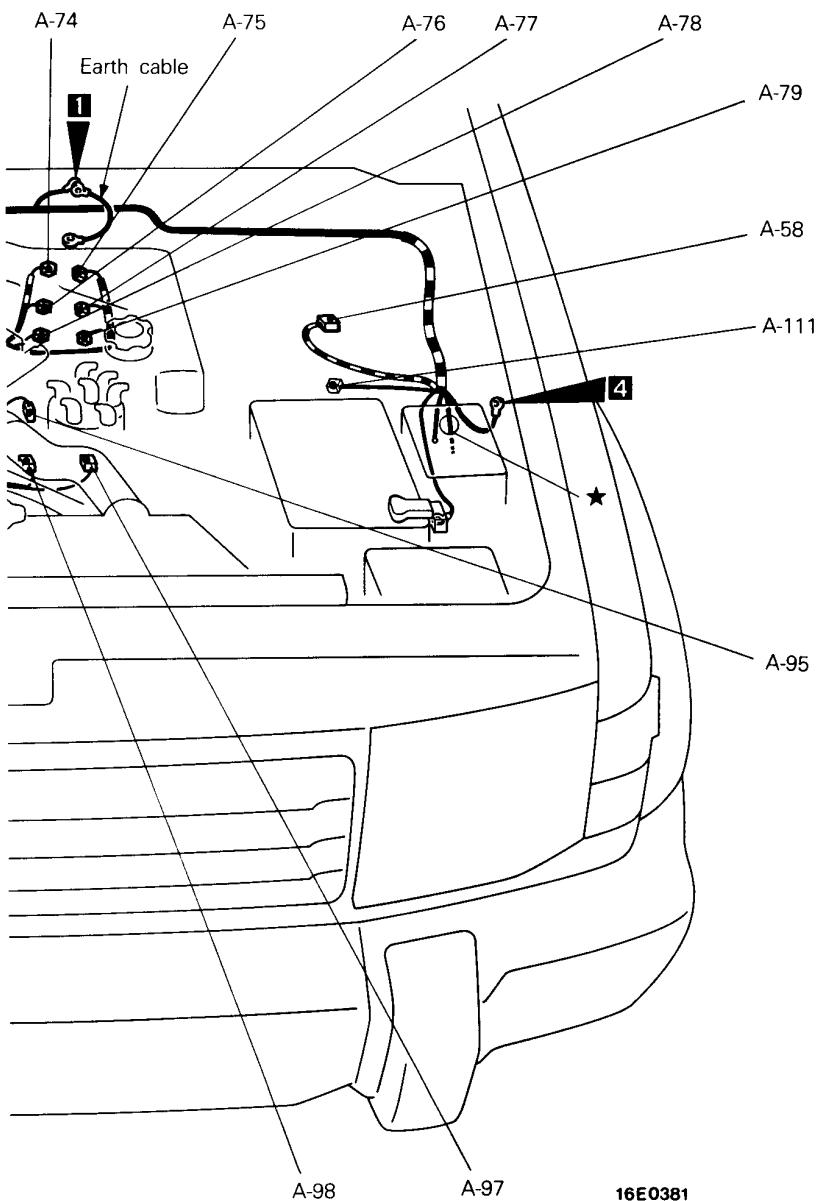


A-33	Headlamp leveling unit (LH)	A-46	—
A-34	Headlamp (LH)	A-47	—
A-35	Speed sensor (Front: LH) <ABS>	A-48	Engine oil level sensor
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-49	Speed sensor (Front: RH) <ABS>
A-37	Magnetic clutch <A/C>	A-50	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-38	Thermo sensor (Out side air) <Multi-meter>	A-51	Headlamp (RH)
A-39	Dual pressure switch	A-52	Headlamp leveling unit (RH)
A-40	Condenser fan motor	A-53	Front combination lamp (RH)
A-41	Horn (LO)	A-54	Free wheel engage switch
A-42	Horn (HI)	A-55	Solenoid valve A <Super select 4WD>
A-43		A-56	Solenoid valve B <Super select 4WD>
A-44		A-57	
A-45	Oil pressure switch		

2-2 L.H. drive vehicles with 6G72 engine

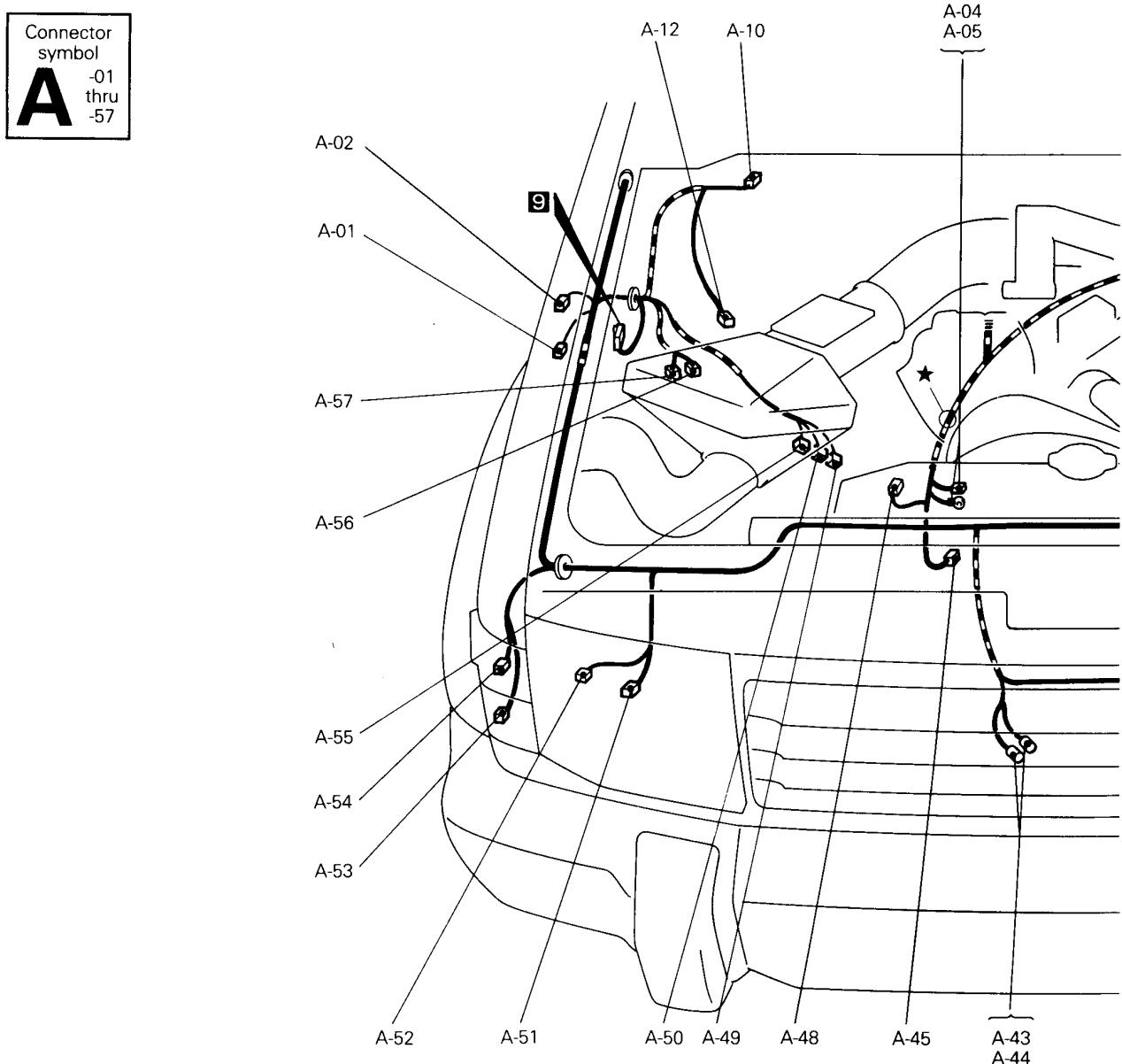


A-58	Auto-cruise control actuator	A-69	Idle speed control servo
A-59 } A-60 }	Hydraulic unit	A-70	Throttle position sensor
A-61	Air flow sensor	A-71	Injector wiring harness and control wiring harness combination
A-62	Power transistor	A-72	—
A-63	Fuel pump check connector	A-73	Capacitor
A-64	Ignition timing adjustment connector	A-74	Injector No. 5
A-65	—	A-75	Injector No. 6
A-66	—	A-76	Injector No. 3
A-67 } A-68 }	Noise filter	A-77	Injector No. 4
		A-78	Injector No. 1

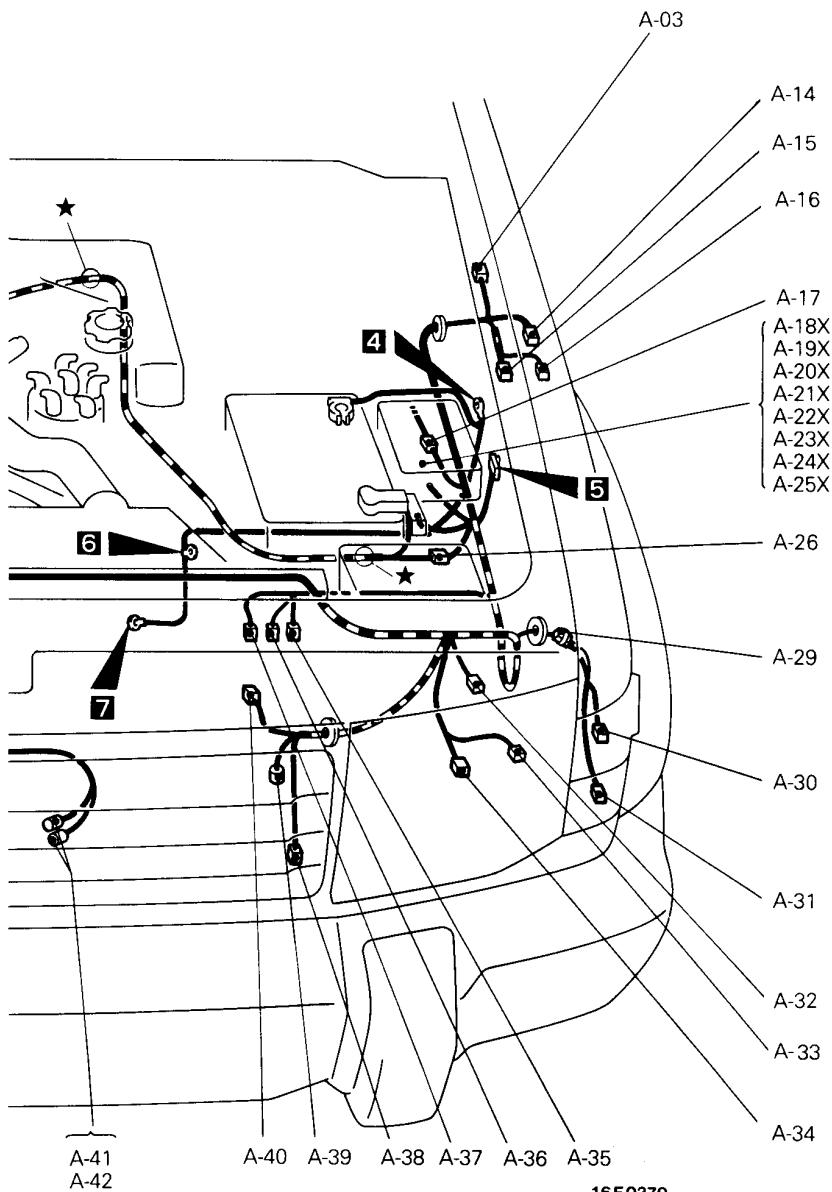


A-79	Injector No. 2	A-97	Distributor signal generator
A-80 } thru	—	A-98	Engine coolant temperature switch < A/T >
A-84 } A-85	Ignition coil	A-99 } thru	—
A-86 } thru	—	A-104 }	Alternator
A-93 }	—	A-105 }	—
A-94	Engine coolant temperature switch (for A/C compressor control)	A-107	—
A-95	Engine coolant temperature gauge unit	A-108	—
A-96	Engine coolant temperature sensor	A-109	Power steering oil pressure switch < A/T >
		A-110	—
		A-111	Purge control solenoid valve

2-3 R.H. drive vehicles with 6G72 engine

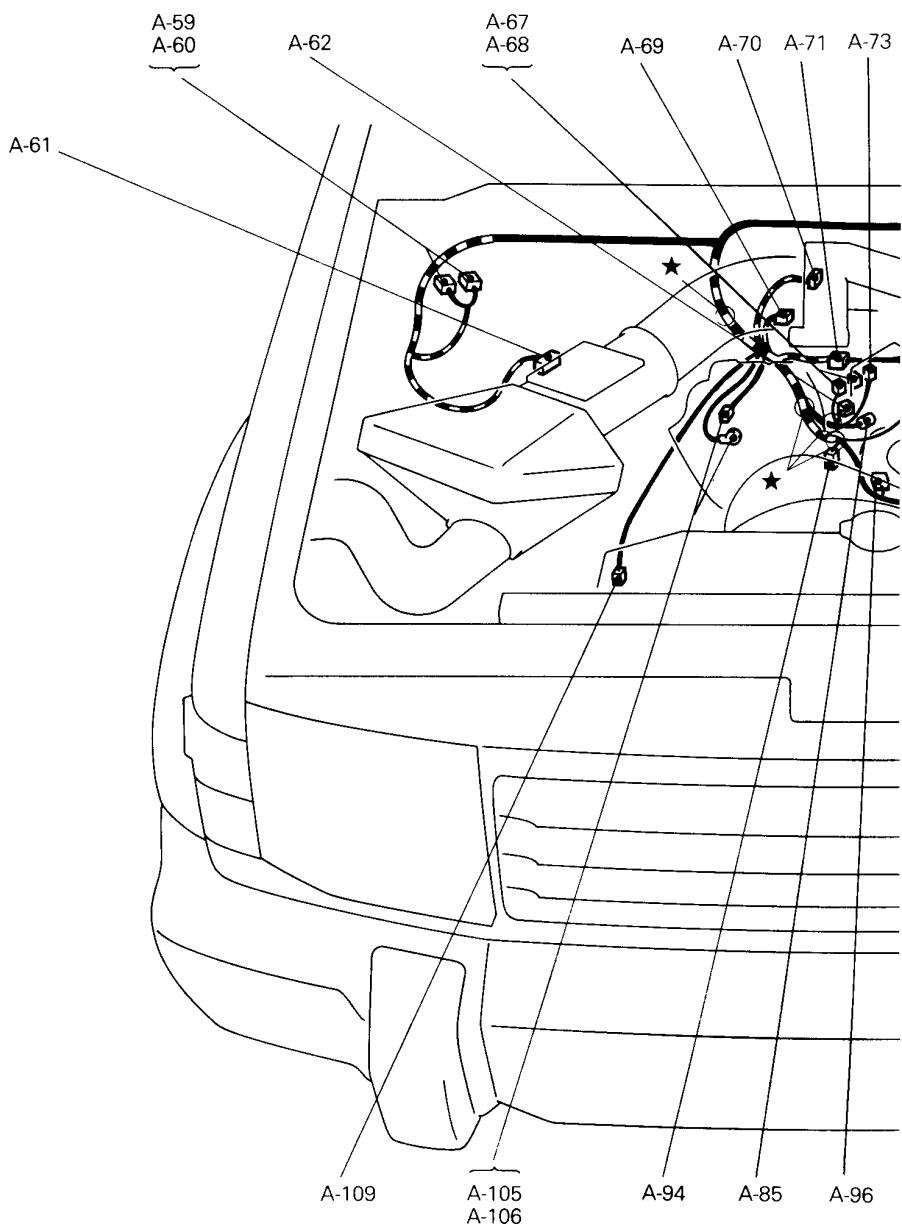
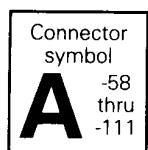


- | | | | |
|--------|-------------------------------|-----------------------------------|---|
| A-01 | Headlamp washer tank assembly | A-16 | No connection |
| A-02 | Side turn signal lamp (RH) | A-17 | Control wiring harness and front wiring harness combination |
| A-03 | Motor antenna | A-18X }
thru }
A-25X } | Refer to centralized junction |
| A-04 } | Starter | A-26 | Battery cable and front wiring harness combination |
| A-05 } | — | A-27 | — |
| A-06 } | — | A-28 | — |
| thru } | — | A-29 | Jumper connector |
| A-09 } | — | A-30 }
A-31 } | Front combination lamp (LH) |
| A-10 | Windshield wiper motor | A-32 | Resistor <DIM-DIP lamp> |
| A-11 | — | | |
| A-12 | Brake fluid level switch | | |
| A-13 | — | | |
| A-14 | Side turn signal lamp (LH) | | |
| A-15 | Windshield washer motor | | |



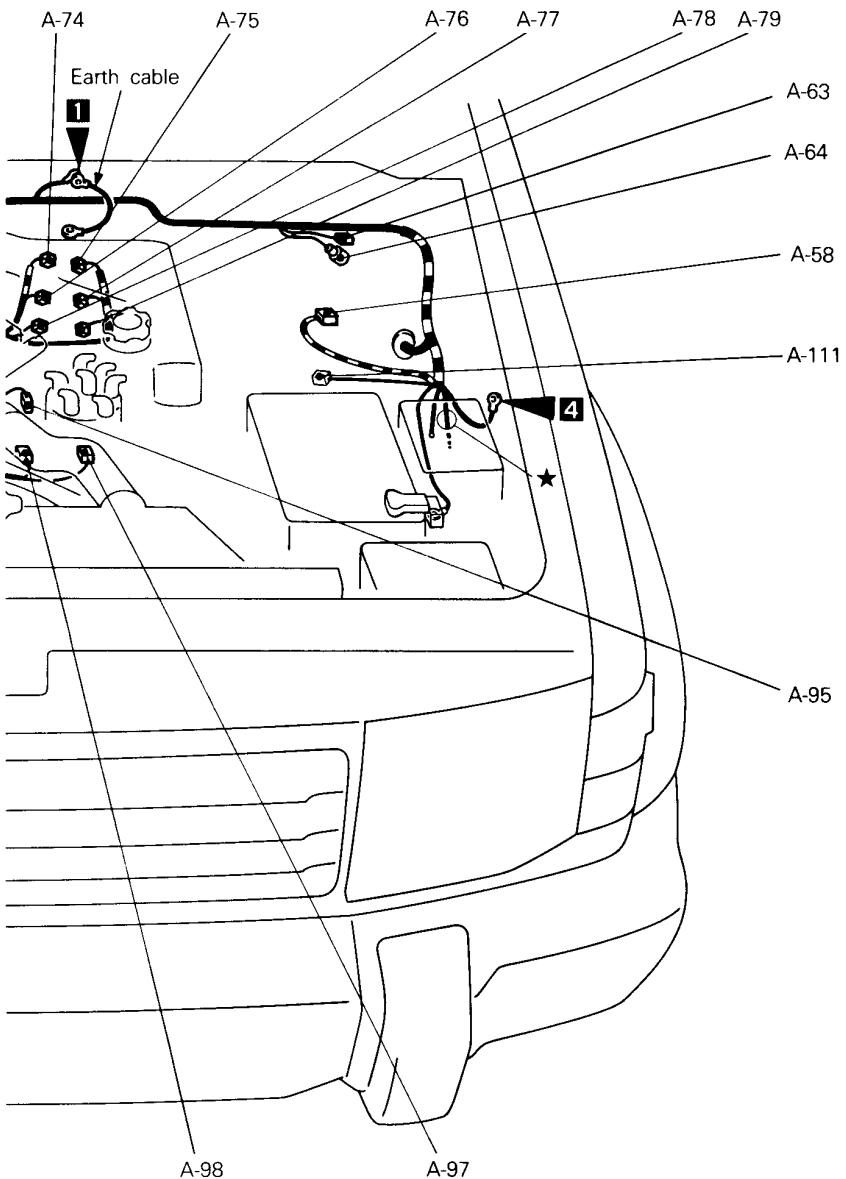
A-33	Headlamp leveling unit (LH)	A-46	—
A-34	Headlamp (LH)	A-47	—
A-35	Speed sensor (Front: LH) <ABS>	A-48	Engine oil level sensor
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-49	Speed sensor (Front: RH) <ABS>
A-37	Magnetic clutch <A/C>	A-50	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-38	Thermo sensor (Out side air) <Multi-meter>	A-51	Headlamp (RH)
A-39	Dual pressure switch	A-52	Headlamp leveling unit (RH)
A-40	Condenser fan motor	A-53	Front combination lamp (RH)
A-41	Horn (LO)	A-54	—
A-42		A-55	Free wheel engage switch
A-43	Horn (HI)	A-56	Solenoid valve A <Super select 4WD>
A-44		A-57	Solenoid valve B <Super select 4WD>
A-45	Oil pressure switch		

2-3 R.H. drive vehicles with 6G72 engine



A-58 Auto-cruise control actuator
 A-59 } Hydraulic unit
 A-60 }
 A-61 Air flow sensor
 A-62 Power transistor
 A-63 Fuel pump check connector
 A-64 Ignition timing adjustment connector
 A-65 —
 A-66 —
 A-67 } Noise filter
 A-68 }

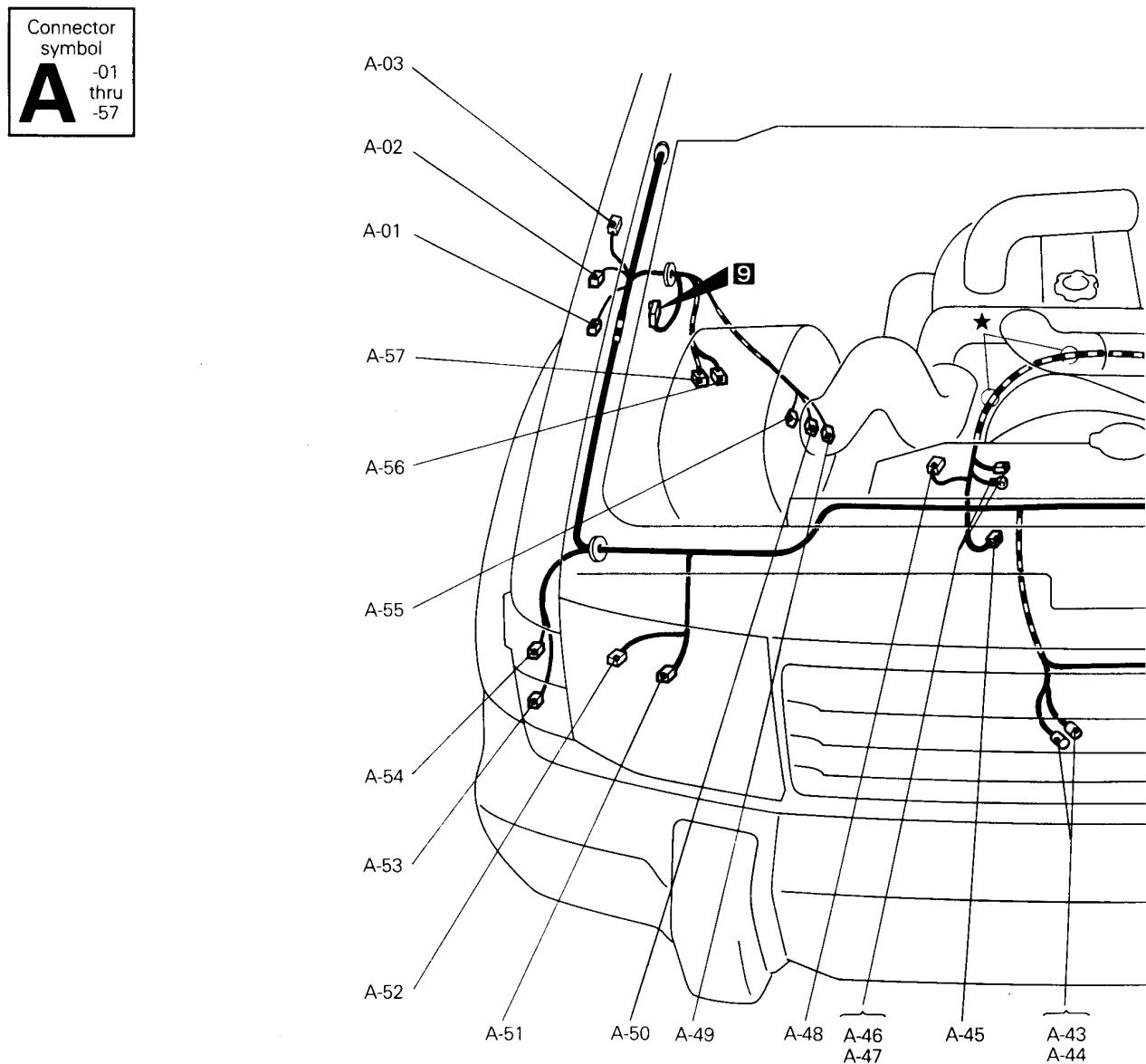
A-69 Idle speed control servo
 A-70 Throttle position sensor
 A-71 Injector wiring harness and control wiring harness combination
 A-72 —
 A-73 Capacitor
 A-74 Injector No. 5
 A-75 Injector No. 6
 A-76 Injector No. 3
 A-77 Injector No. 4
 A-78 Injector No. 1



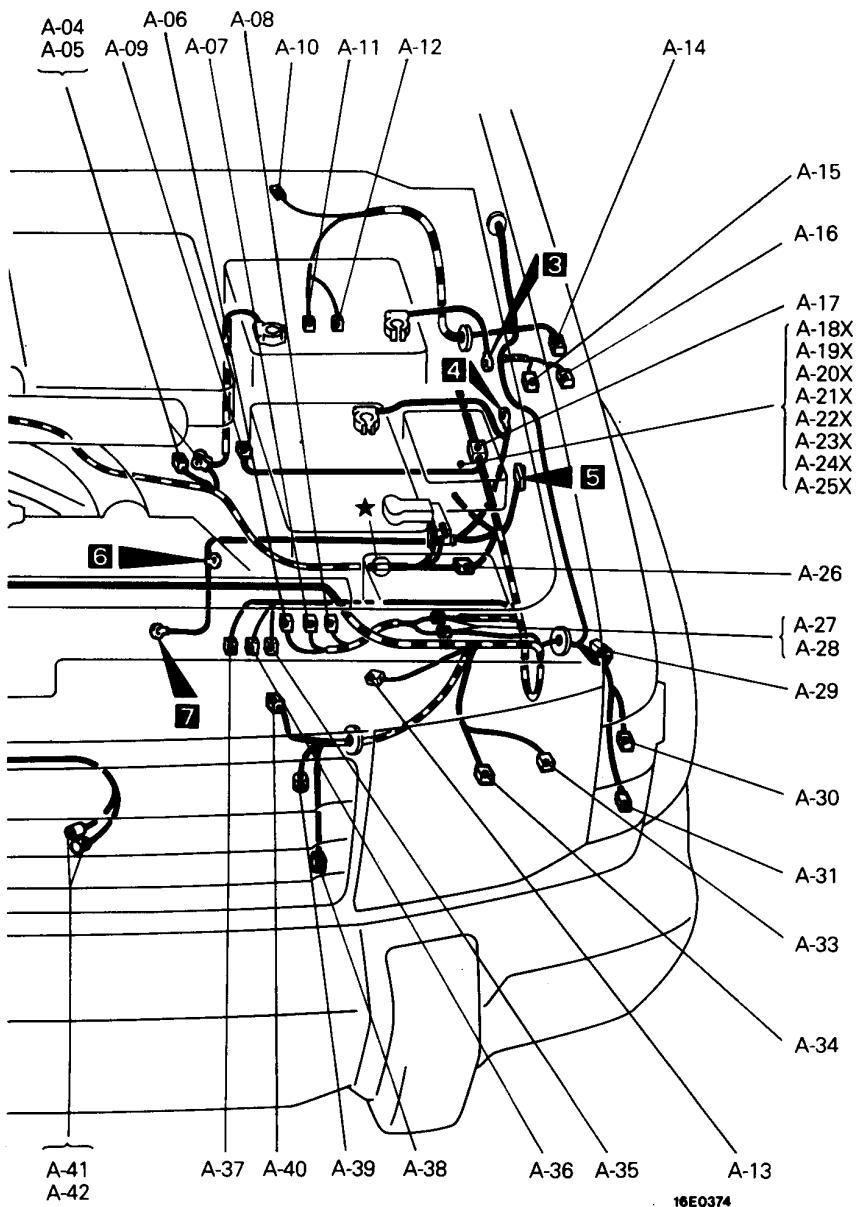
16E0382

A-79	Injector No. 2	A-97	Distributor signal generator
A-80	—	A-98	Engine coolant temperature switch < A/T >
thru } A-84	—	A-99	—
A-85	Ignition coil	thru } A-104	—
A-86	—	A-105 } A-106	Alternator
thru } A-93	—	A-107	—
A-94	Engine coolant temperature switch (for A/C compressor control)	A-108	—
A-95	Engine coolant temperature gauge unit	A-109	Power steering oil pressure switch < A/T >
A-96	Engine coolant temperature sensor	A-110	—
		A-111	Purge control solenoid valve

2-4 L.H. drive vehicles with 4D56 engine



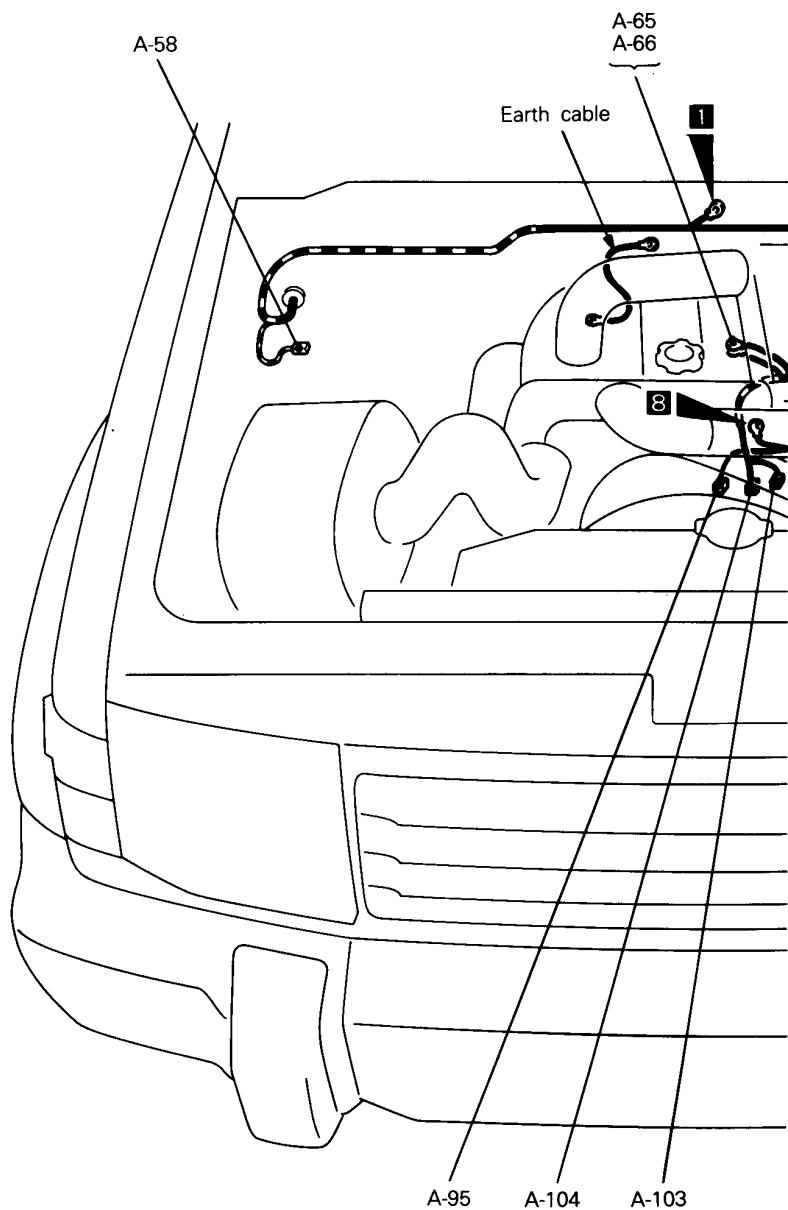
A-01	Headlamp washer tank assembly	A-15	Windshield washer motor
A-02	Side turn signal lamp (RH)	A-16	No connection
A-03	Motor antenna	A-17	Control wiring harness and front wiring harness combination
A-04 } A-05 }	Starter	A-18X thru A-25X	Refer to centralized junction
A-06	Daytime running lamp relay 2	A-26	Battery cable and front wiring harness combination
A-07	Daytime running lamp relay 1	A-27 } A-28 }	Daytime running lamp harness and front wiring harness combination
A-08	Daytime running lamp control unit	A-29	Jumper connector
A-09	Starter relay	A-30 } A-31 }	Front combination lamp (LH)
A-10	Windshield wiper motor	A-32	—
A-11	Vacuum switch		
A-12	Brake fluid level switch		
A-13	Condenser fan motor control relay		
A-14	Side turn signal lamp (LH)		



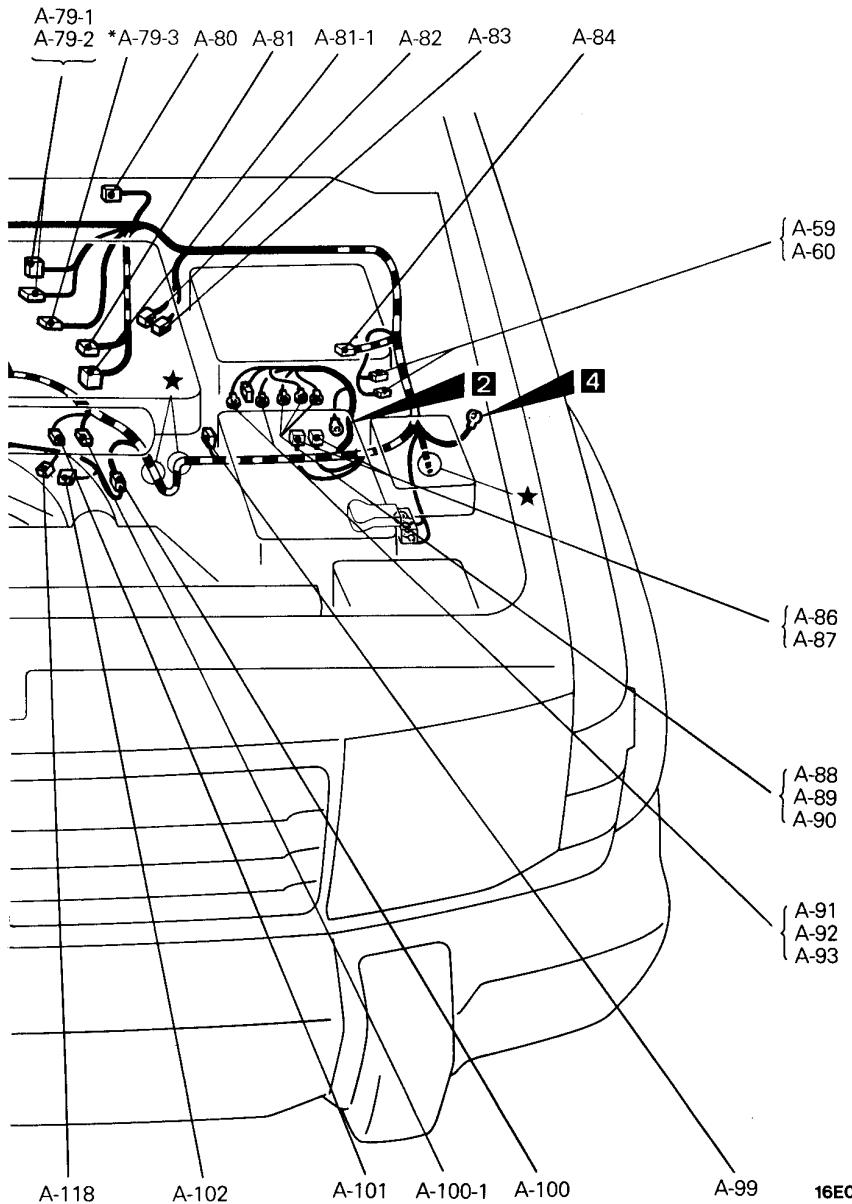
A-33	Headlamp leveling unit (LH)	A-46	Alternator
A-34	Headlamp (LH)	A-47	Engine oil level sensor
A-35	Speed sensor (Front: LH) <ABS>	A-48	Speed sensor (Front: RH) <ABS>
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-49	Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-37	Magnetic clutch <A/C>	A-50	Headlamp (RH)
A-38	Thermo sensor (Out side air) <Multi-meter>	A-51	Headlamp leveling unit (RH)
A-39	Dual pressure switch	A-52	Front combination lamp (RH)
A-40	Condenser fan motor	A-53	Free wheel engage switch
A-41	Horn (LO)	A-54	Solenoid valve A <Super select 4WD>
A-42	Horn (HI)	A-55	Solenoid valve B <Super select 4WD>
A-43		A-56	
A-44		A-57	
A-45	Oil pressure switch		

2-4 L.H. drive vehicles with 4D56 engine

Connector symbol
A
-58 thru -118



- | | | | |
|---|------------------------------|--------------------------------|--|
| A-58 | Auto-cruise control actuator | *A-79-3 | Supercharging pressure relief solenoid valve |
| A-59 | Hydraulic unit | A-80 | Idle up solenoid valve < A/C > |
| A-60 | | A-81 | Water level switch |
| A-61 | — | A-81-1 | Fuel line heater |
| thru | | A-82 | Intake air temperature switch |
| A-64 | A-83 | Intercooler fan motor | |
| A-65 | A-84 | Idle up solenoid valve < ABS > | |
| A-66 | A-85 | — | |
| A-67 | — | A-86 | Glow plug relay < Auto glow > |
| thru | | A-87 | Glow plug relay 2 < Super quick glow > |
| A-79 | A-88 | A-89 | Glow plug relay 2 < Super quick glow > |
| A-79-1 | A-90 | | |
| A-79-2 | | | |
| EGR solenoid valve < Vehicles with EGR system > | | | |



16E0542

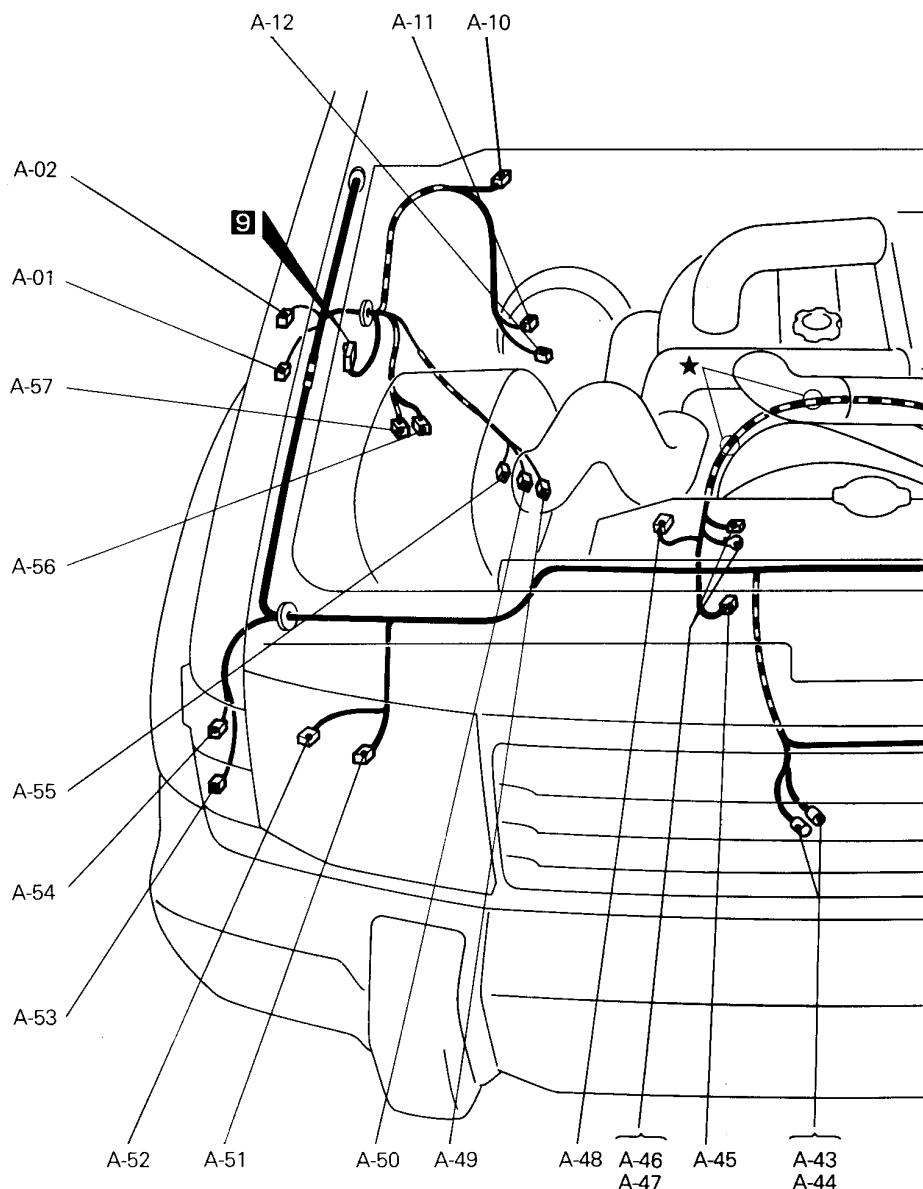
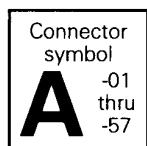
- A-91 }
 A-92 } Glow plug relay 1 <Super quick glow>
 A-93 }
 A-94 —
 A-95 Engine coolant temperature gauge unit
 A-96 —
 A-97 —
 A-98 —
 A-99 Dropping resistor <Super quick glow>
 A-100 Fuel injection pump wiring harness and control wiring harness combination

- A-100-1 Lever position sensor <Vehicles with EGR system>
 A-101 Lever position switch <A/T>
 A-102 Fuel cut solenoid valve
 A-103 Engine coolant temperature switch (for condenser fan motor control)
 A-104 Engine coolant temperature switch (for A/C compressor control)
 A-105 thru A-117 —
 A-118 Rotation sensor

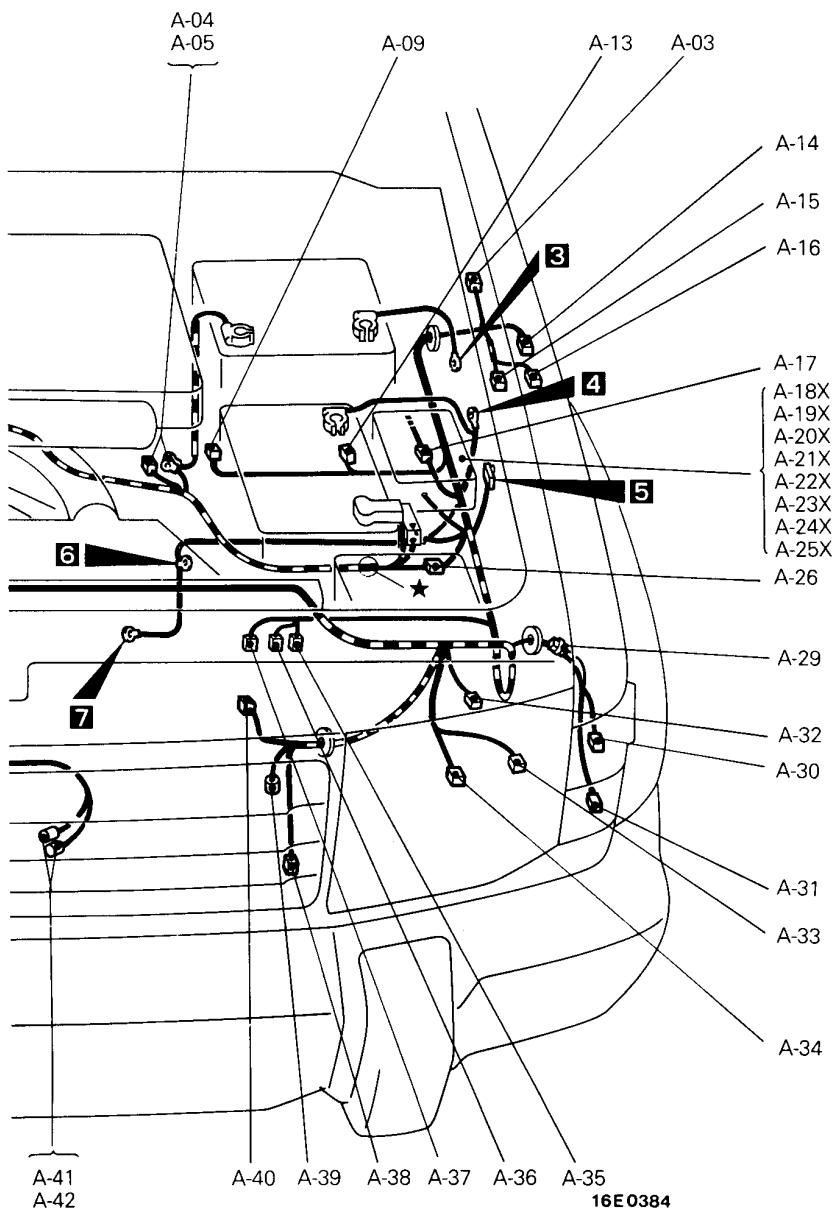
NOTE

*: 2-door models for Switzerland or Finland
 <Vehicles built from July 1993>

2-5 R.H. drive vehicles with 4D56 engine

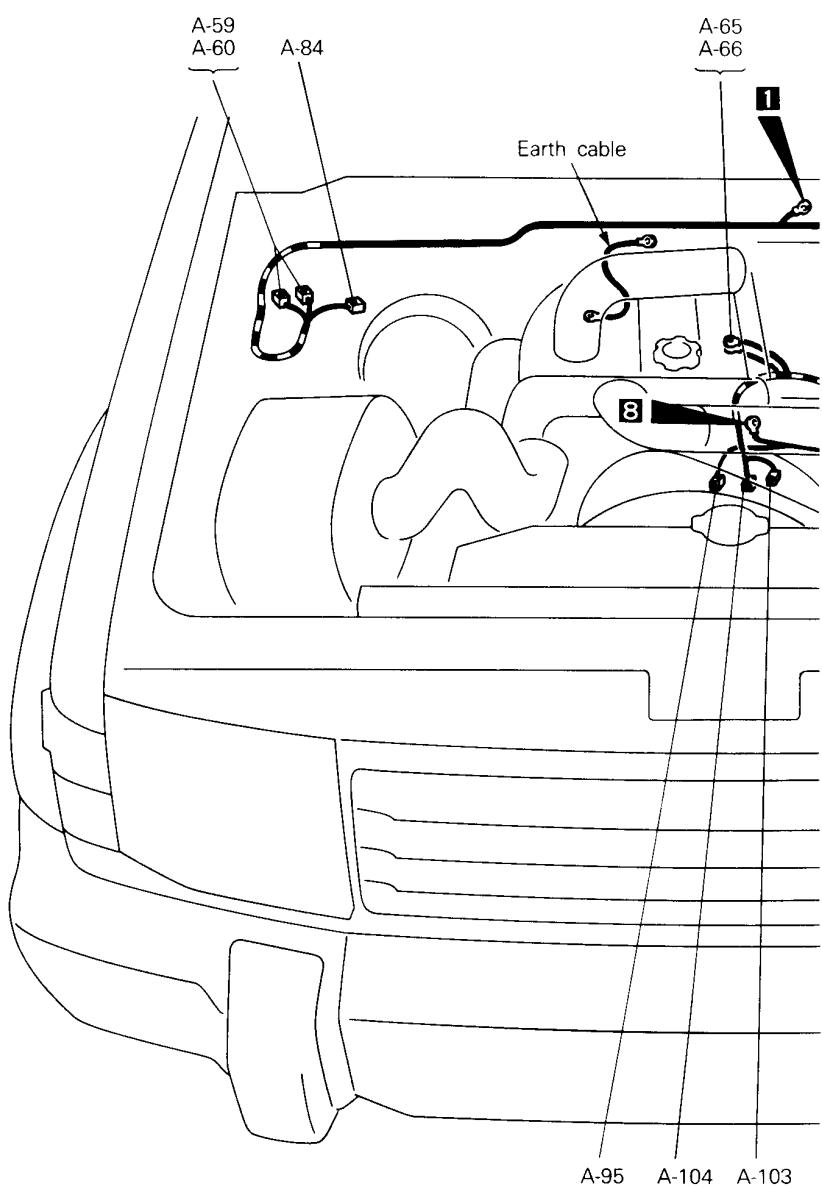
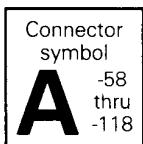


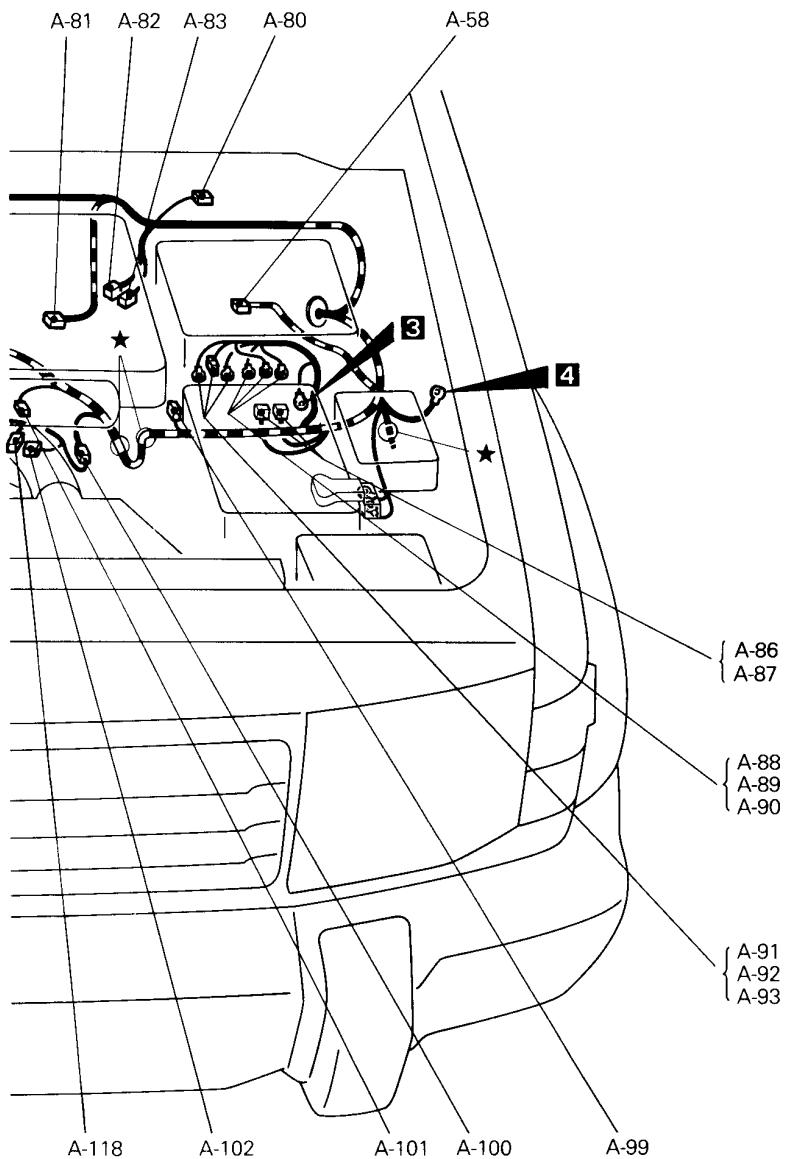
- | | | | |
|------------------|-----------------------------------|----------------------------|---|
| A-01 | Headlamp washer tank assembly | A-15 | Windshield washer motor |
| A-02 | Side turn signal lamp (RH) | A-16 | No connection |
| A-03 | Motor antenna | A-17 | Control wiring harness and front wiring harness combination |
| A-04 }
A-05 } | Starter | A-18X }
thru
A-25X } | Refer to centralized junction |
| A-06 | — | A-26 | Battery cable and front wiring harness combination |
| A-07 | — | A-27 | — |
| A-08 | — | A-28 | — |
| A-09 | Starter relay | A-29 | Jumper connector |
| A-10 | Windshield wiper motor | A-30 }
A-31 } | Front combination lamp (LH) |
| A-11 | Vacuum switch | A-32 | Resistor <DIM-DIP lamp> |
| A-12 | Brake fluid level switch | | |
| A-13 | Condenser fan motor control relay | | |
| A-14 | Side turn signal lamp (LH) | | |



A-33	Headlamp leveling unit (LH)	A-46 } Alternator
A-34	Headlamp (LH)	A-47 }
A-35	Speed sensor (Front: LH) <ABS>	A-48 Engine oil level sensor
A-36	Shock absorber (Front: LH) <Remote controlled variable shock absorber>	A-49 Speed sensor (Front: RH) <ABS>
A-37	Magnetic clutch <A/C>	A-50 Shock absorber (Front: RH) <Remote controlled variable shock absorber>
A-38	Thermo sensor (Out side air) <Multi-meter>	A-51 Headlamp (RH)
A-39	Dual pressure switch	A-52 Headlamp leveling unit (RH)
A-40	Condenser fan motor	A-53 } Front combination lamp (RH)
A-41 } A-42 }	Horn (LO)	A-54 }
A-43 } A-44 }	Horn (HI)	A-55 Free wheel engage switch
A-45	Oil pressure switch	A-56 Solenoid valve A <Super select 4WD>
		A-57 Solenoid valve B <Super select 4WD>

2-5 R.H. drive vehicles with 4D56 engine





16E0383

A-91 }
 A-92 } Glow plug relay 1 <Super quick glow>
 A-93 }
 A-94 —
 A-95 Engine coolant temperature gauge unit
 A-96 —
 A-97 —
 A-98 —
 A-99 Dropping resistor <Super quick glow>
 A-100 Fuel injection pump wiring harness and control wiring
 harness combination

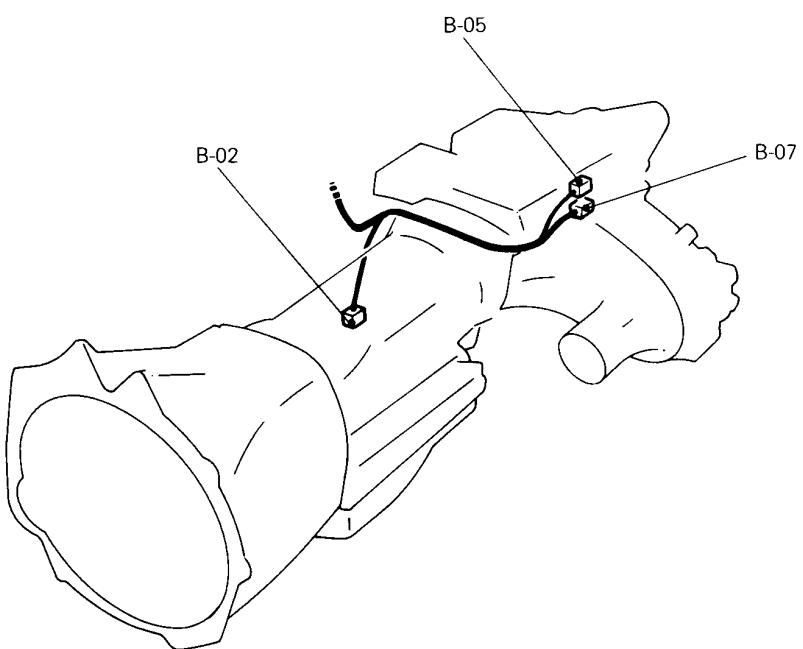
A-101 Lever position switch <A/T>
 A-102 Fuel cut solenoid valve
 A-103 Engine coolant temperature switch (for condenser fan
 motor control)
 A-104 Engine coolant temperature switch (for A/C compress-
 or control)
 A-105 thru A-117 }
 A-118 Rotation Sensor

3 TRANSMISSION

3-1 PART TIME 4WD

Connector symbol

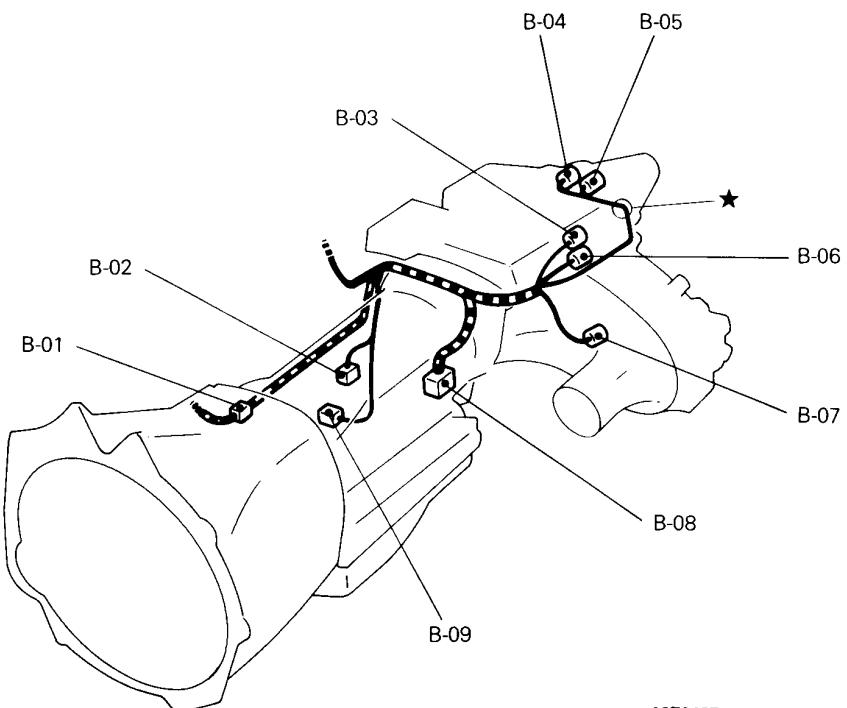
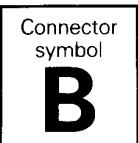
B



16E0369

B-01 —
B-02 Back-up lamp switch
B-03 —
B-04 —

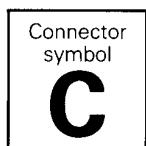
B-05 4WD operation detection switch
B-06 —
B-07 High range/low range detection switch

3-2 SUPER SELECT 4WD**16E0437**

- | | | | |
|------|---|------|---|
| B-01 | Battery cable and transmission wiring harness combination <Petrol-powered vehicles> | B-06 | 2WD/4WD detection switch |
| B-02 | Back-up lamp switch <M/T> | B-07 | High range/low range detection switch |
| B-03 | Center differential lock detection switch | B-08 | Inhibitor switch <A/T> |
| B-04 | Center differential lock operation detection switch | B-09 | Oxygen sensor <Petrol-powered vehicles> |
| B-05 | 4WD operation detection switch | | |

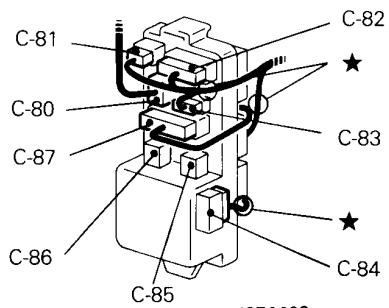
4 DASH PANEL

4-1 L.H. drive vehicles



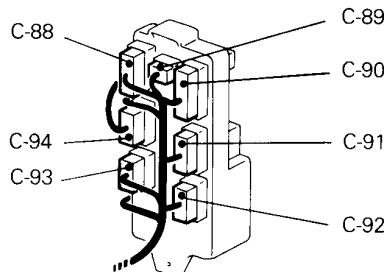
JUNCTION BLOCK

Front side view

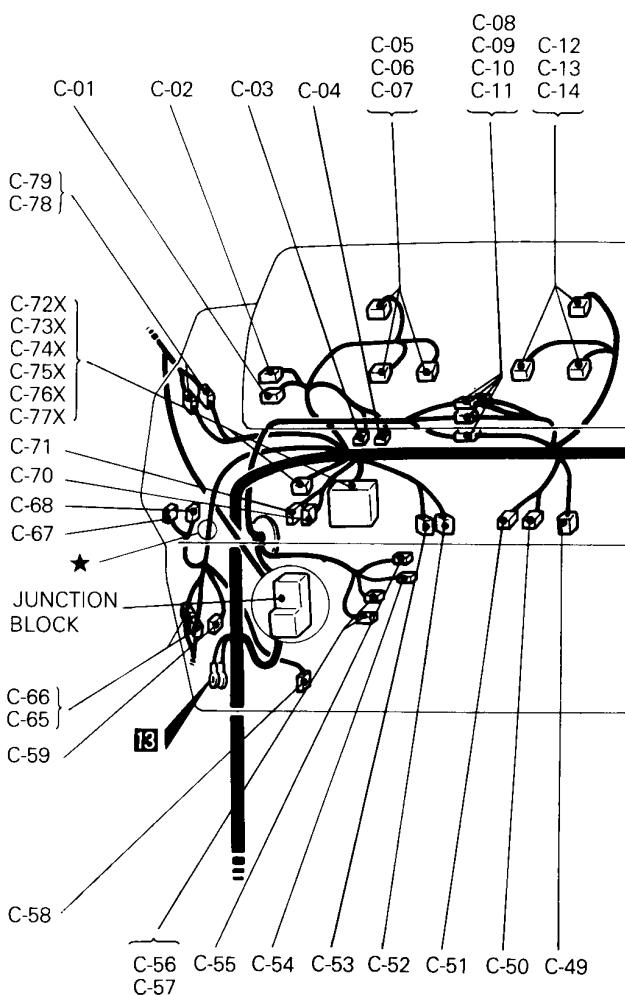


16E0226

Rear side view

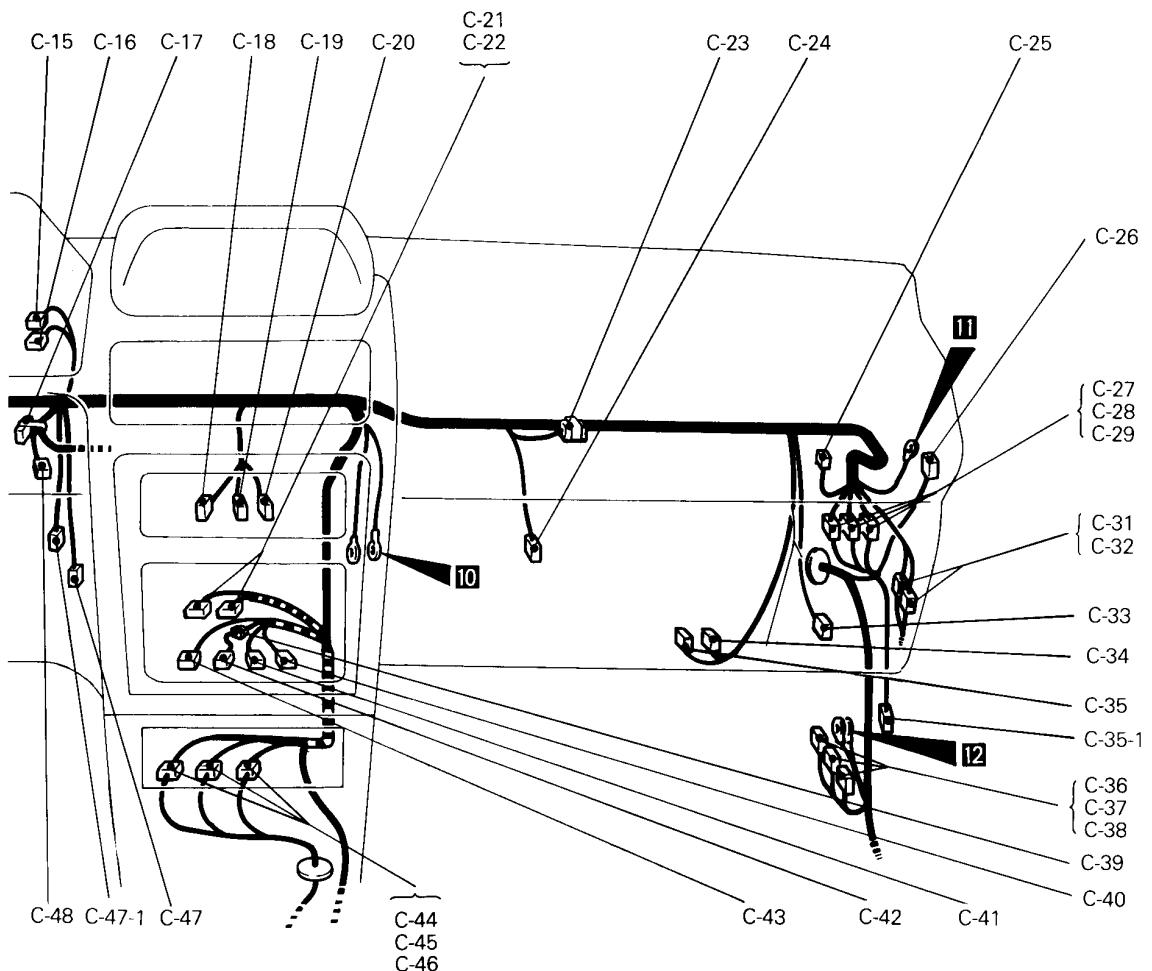


16E0227



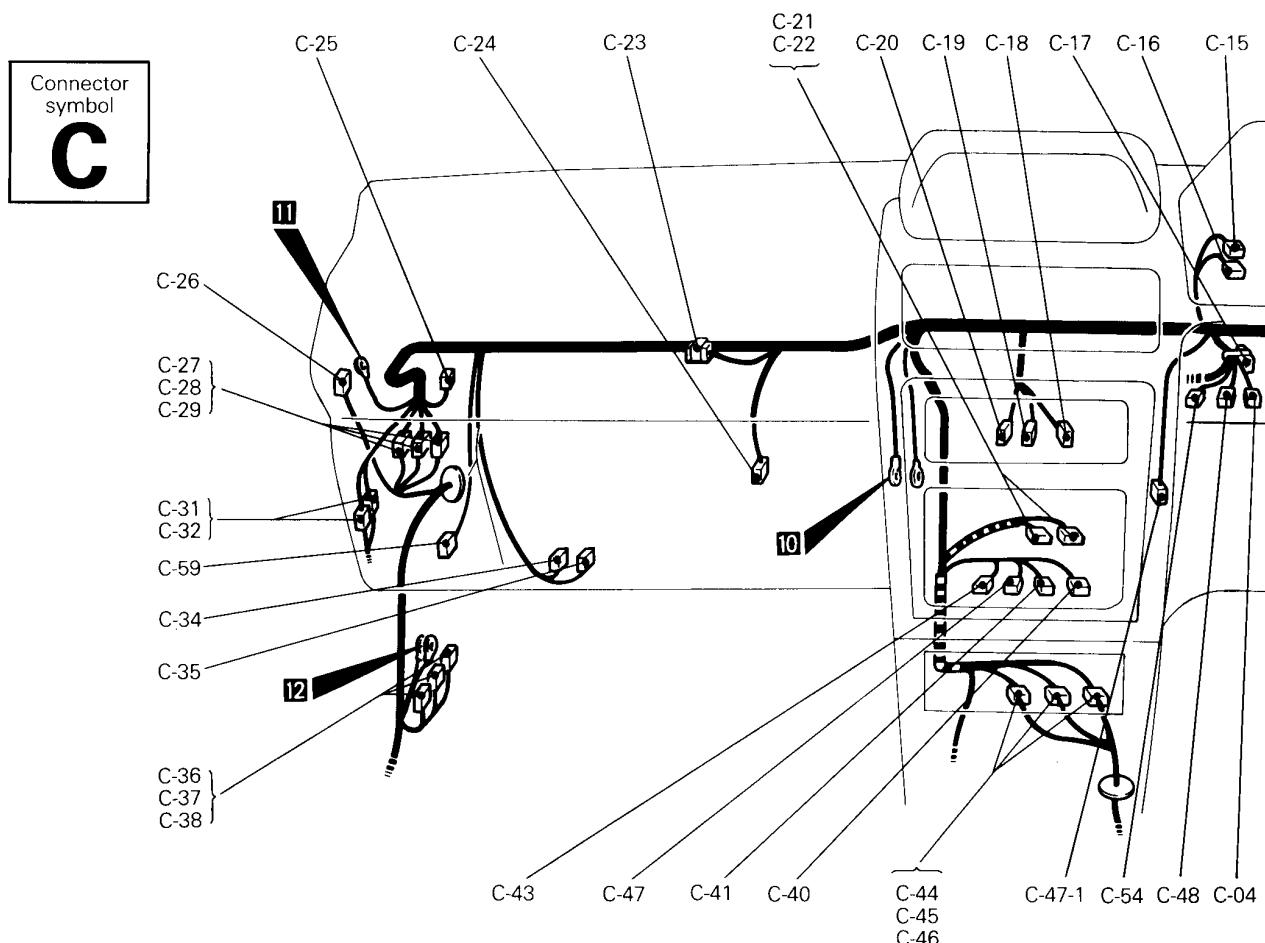
- C-01 Auto-cruise control main switch
- C-02 Rear fog lamp switch
- C-03 Remote controlled mirror switch
- C-04 Rheostat
- C-05 Combination meter
- C-06 Combination meter
- C-07 Combination meter
- C-08 thru C-11 Front wiring harness and body wiring harness combination
- C-12 Combination meter
- C-13 Combination meter
- C-14 Combination meter
- C-15 Defogger switch
- C-16 Hazard switch
- C-17 No connection
- C-18 A/C switch
- C-19 Blower switch
- C-20 Blower control illumination lamp
- C-21 Radio
- C-22 Radio
- C-23 No connection
- C-24 A/C unit

- C-25 Engine oil level relay
- C-26 Engine control relay or intercooler fan control unit
<Vehicles without fuel line heater> or fuel line heater control unit
- C-27 Control wiring harness and body wiring harness combination
- C-28 Control wiring harness and body wiring harness combination
- C-29 Control wiring harness and body wiring harness combination
- C-30 —
- C-31 Door wiring harness (RH) and body wiring harness combination
- C-32 Door wiring harness (RH) and body wiring harness combination
- C-33 Front speaker (RH)
- C-34 Resistor (for blower motor control circuit)
- C-35 Blower motor
- C-35-1 Intercooler fan control unit <Vehicles with fuel line heater>
- C-36 Engine control unit
- C-37 Engine control unit or glow control unit
- C-38 Engine control unit or glow control unit
- C-39 Diode (for ABS circuit)
- C-40 Motor antenna control unit
- C-41 4WD indicator relay
- C-42 ABS power relay
- C-43 4WD indicator control unit

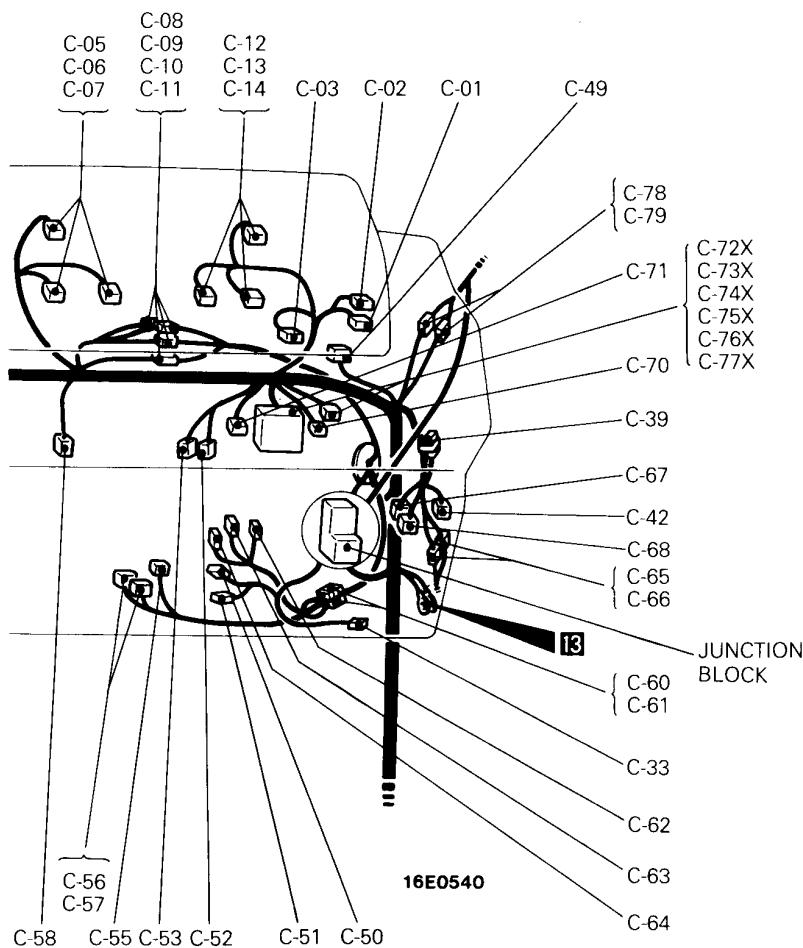
**16E0539**

C-44	Transmission wiring harness and body wiring harness combination	C-65	Door wiring harness (LH) and body wiring harness combination
C-45		C-66	
C-46		C-67	Overdrive control relay
C-47	Vehicle speed relay <ABS>	C-68	Headlamp washer relay
C-47-1	Lighting monitor buzzer <1993 MODELS>	C-69	—
C-48	Rear wiper and washer switch	C-70	Dedicated fuse No. ⑩
C-49	Auto-cruise control unit or spare connector	C-71	Dedicated fuse No. ⑨
C-50	Auto-cruise control switch	C-72X	Refer to centralized junction
C-51	Thermo sensor (inside air)	thru	
C-52	Stop lamp switch (2-pin) or no connection <Auto-cruise control>	C-77X	
C-53	Stop lamp switch (4-pin) <Auto-cruise control> or no connection	C-78	Roof wiring harness and body wiring harness combination
C-54	Headlamp leveling switch	C-79	—
C-55	Ignition switch	C-80	Roof wiring harness and junction block combination
C-56	Column switch	C-81	Front wiring harness and junction block combination
C-57		C-82	
C-58	Clutch switch	C-83	
C-59	Front speaker (LH)	C-84	Diagnosis connector
C-60	—	C-85	Blower relay
thru		C-86	Accessory socket relay
C-64		C-87	Body wiring harness and junction block combination
		C-93	Front wiring harness and junction block combination
		C-94	

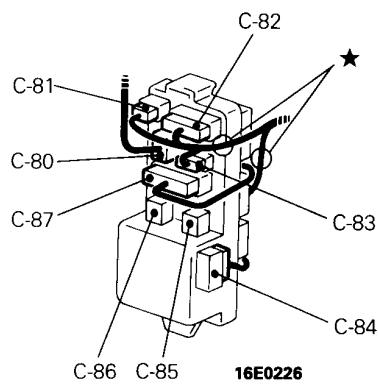
4-2 R.H. drive vehicles



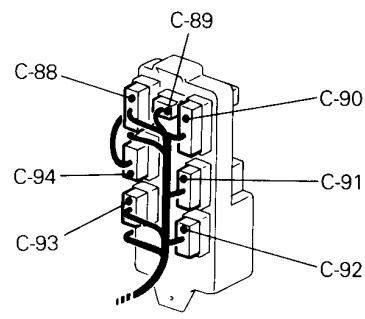
C-01	Auto-cruise control main switch	C-23	No connection
C-02	Rear fog lamp switch	C-24	A/C unit
C-03	Remote controlled mirror switch	C-25	Engine oil level relay
C-04	Rheostat	C-26	Engine control relay or intercooler fan control unit
C-05		C-27	Control wiring harness and body wiring harness combination
C-06	Combination meter	C-28	
C-07		C-29	
C-08		C-30	
thru	Front wiring harness and body wiring harness combination	C-31	Door wiring harness (LH) and body wiring harness combination
C-11		C-32	
C-12		C-33	Front speaker (RH)
C-13	Combination meter	C-34	Resistor (for blower motor control circuit)
C-14		C-35	Blower motor
C-15	Defogger switch	C-36	Engine control unit
C-16	Hazard switch	C-37	Engine control unit
C-17	No connection	C-38	Engine control unit or glow control unit
C-18	A/C switch	C-39	Diode (for ABS circuit)
C-19	Blower switch	C-40	Motor antenna control unit
C-20	Blower control illumination lamp	C-41	4WD indicator relay
C-21		C-42	ABS power relay
C-22	Radio	C-43	4WD indicator control unit

**JUNCTION BLOCK**

<Front side view>



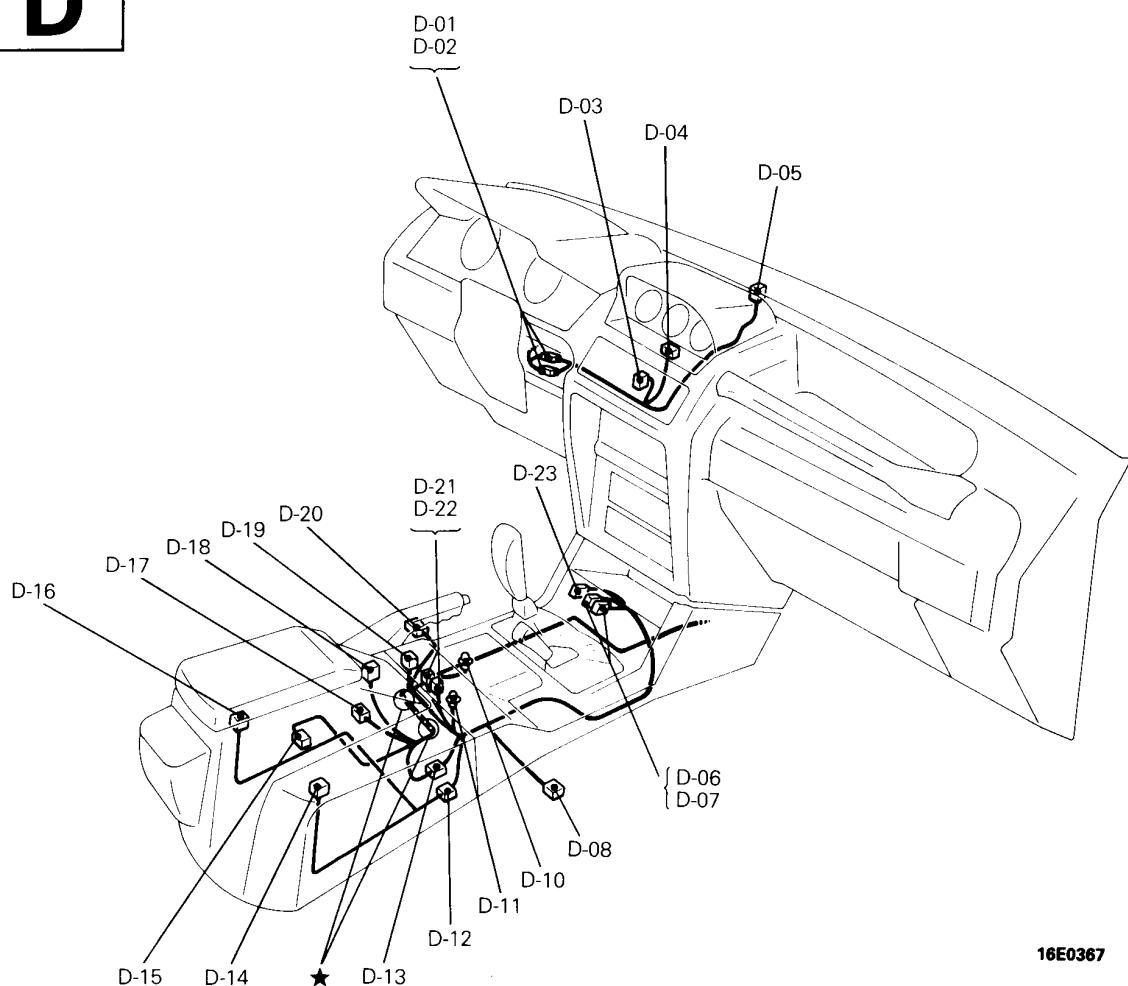
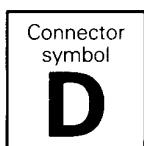
<Rear side view>



C-44	Transmission wiring harness and body wiring harness combination	C-65	Door wiring harness (RH) and body wiring harness combination
C-45		C-66	
C-46		C-67	Overdrive control relay
C-47	Vehicle speed relay <ABS>	C-68	Headlamp washer relay
C-47-1	Lighting monitor buzzer <1993 MODELS>	C-69	—
C-48	Rear wiper and washer switch	C-70	Dedicated fuse No. ⑩
C-49	Auto-cruise control unit or spare connector	C-71	Dedicated fuse No. ⑨
C-50	Auto-cruise control switch	C-72X	Refer to centralized junction
C-51	Thermo sensor (inside air)	C-77X	
C-52	Stop lamp switch (2-pin) or no connection <Auto-cruise control>	C-78	Roof wiring harness and body wiring harness combination
C-53	Stop lamp switch (4-pin) <Auto-cruise control> or no connection	C-79	
C-54	Headlamp leveling switch	C-80	Roof wiring harness and junction block combination
C-55	Ignition switch	C-81	Front wiring harness and junction block combination
C-56	Column switch	C-82	
C-57		C-83	
C-58	Clutch switch	C-84	Diagnosis connector
C-59	Front speaker (LH)	C-85	Blower relay
C-60	Diode (for dim-dip lamp circuit)	C-86	Accessory socket relay
C-61		C-87	Body wiring harness and junction block combination
C-62	Dim-dip lamp relay 1	C-93	
C-63	Dim-dip lamp relay 2	C-94	Front wiring harness and junction block combination
C-64	Dim-dip lamp relay 3		

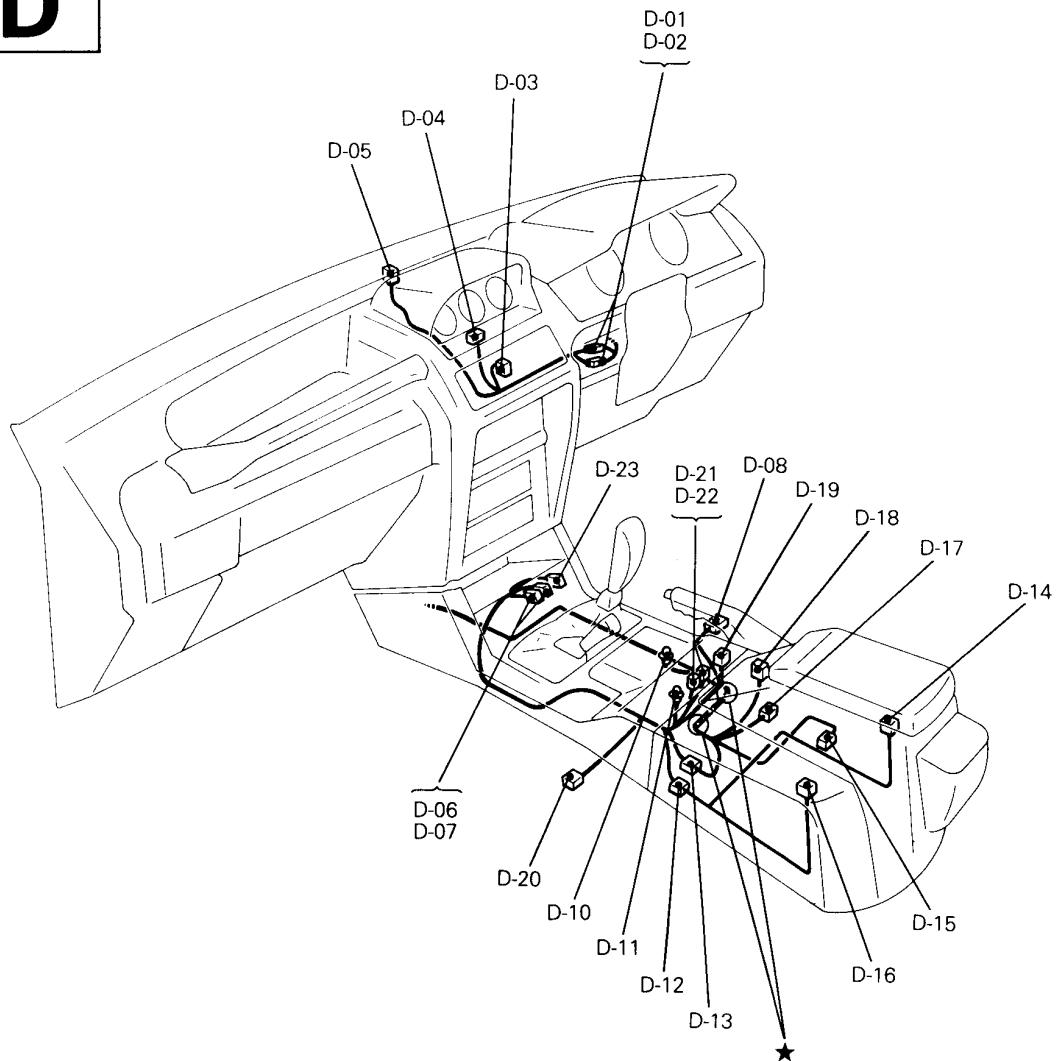
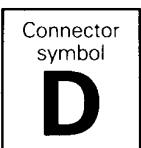
5 INSTRUMENT PANEL AND FLOOR CONSOLE

5-1 L.H. drive vehicles <M/T>



D-01	Instrument panel wiring harness and body wiring harness combination	D-13	Console wiring harness and body wiring harness combination
D-02		D-14	Heated seat switch (RH)
D-03	Clock	D-15	G sensor <ABS>
D-04	Multi-meter	D-16	Heated seat switch (LH)
D-05	Geomagnetic sensor	D-17	Parking brake switch
D-06	Accessory socket	D-18	Variable shock absorber control switch
D-07		D-19	Rear blower main switch
D-08	Seat heater (RH)	D-20	Seat heater (LH)
D-09	—	D-21	Cigarette lighter
D-10	Ashtray illumination lamp	D-22	
D-11	Cigarette lighter illumination lamp	D-23	Rear differential lock switch
D-12	Rear console wiring harness and console wiring harness combination		

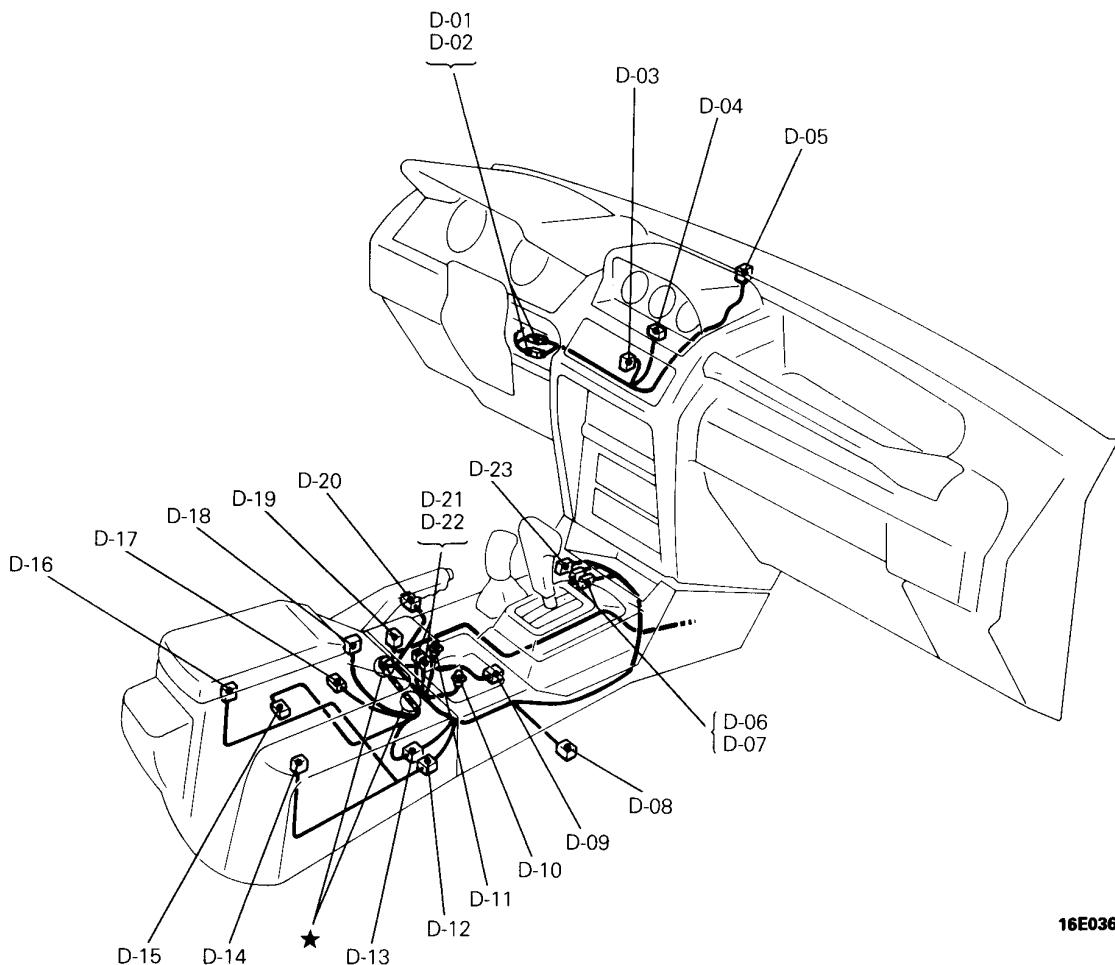
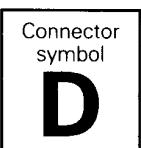
5-2 R.H. drive vehicles <M/T>



16E0366

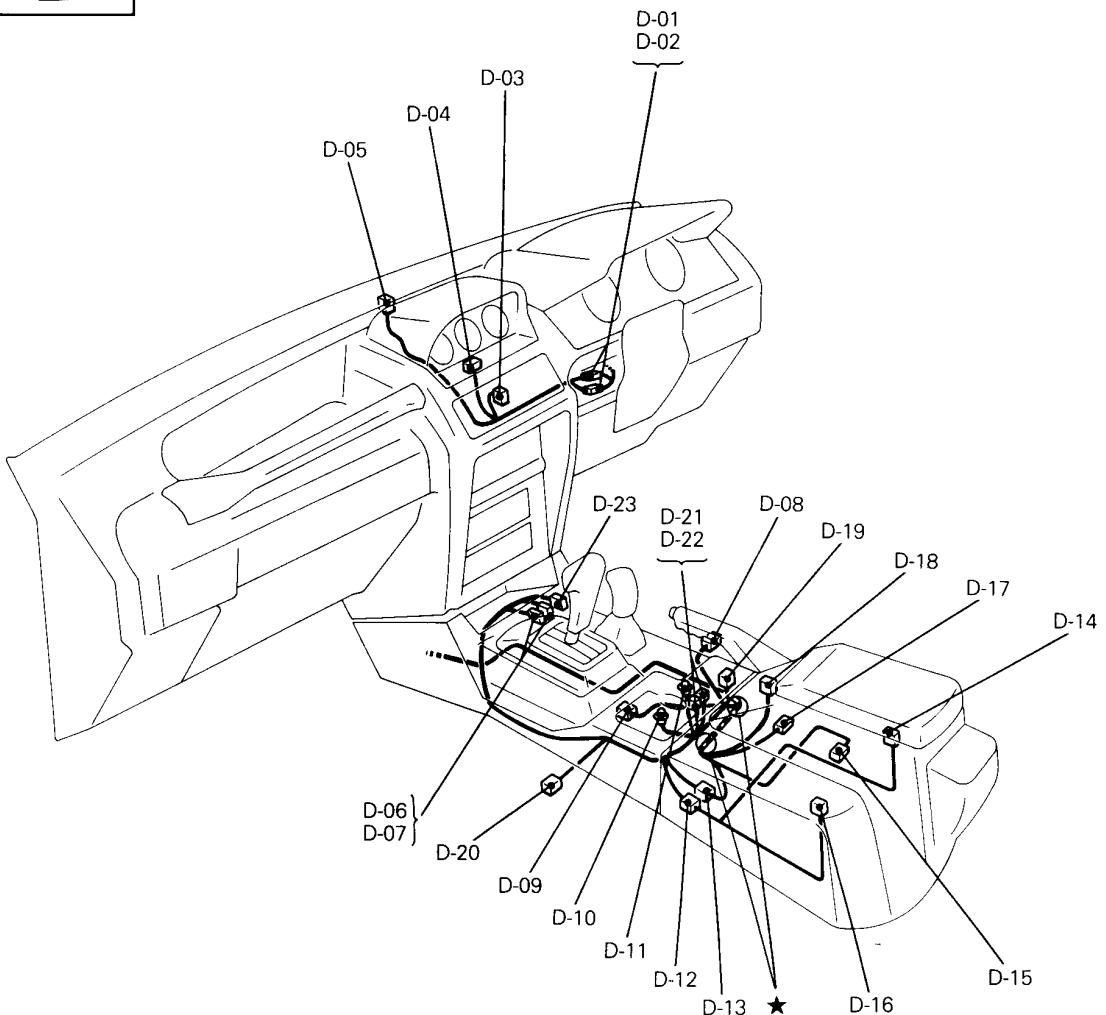
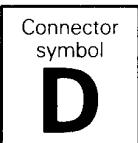
- | | | | |
|------|---|------|--|
| D-01 | Instrument panel wiring harness and body wiring harness combination | D-13 | Console wiring harness and body wiring harness combination |
| D-02 | | D-14 | Heated seat switch (RH) |
| D-03 | Clock | D-15 | G sensor (ABS) |
| D-04 | Multi-meter | D-16 | Heated seat switch (LH) |
| D-05 | Geomagnetic sensor | D-17 | Parking brake switch |
| D-06 | | D-18 | Variable shock absorber control switch |
| D-07 | Accessory socket | D-19 | Rear blower main switch |
| | | D-20 | Seat heater (LH) |
| D-08 | Seat heater (RH) | D-21 | Cigarette lighter |
| D-09 | — | D-22 | |
| D-10 | Ashtray illumination lamp | D-23 | Rear differential lock switch |
| D-11 | Cigarette lighter illumination lamp | | |
| D-12 | Rear console wiring harness and console wiring harness combination | | |

5-3 L.H. drive vehicles <A/T>



D-01	Instrument panel wiring harness and body wiring harness combination	D-13	Console wiring harness and body wiring harness combination
D-02	harness combination	D-14	Heated seat switch (RH)
D-03	Clock	D-15	G sensor <ABS>
D-04	Multi-meter	D-16	Heated seat switch (LH)
D-05	Geomagnetic sensor	D-17	Parking brake switch
D-06	Accessory socket	D-18	Variable shock absorber control switch
D-07		D-19	Rear blower main switch
D-08	Seat heater (RH)	D-20	Seat heater (LH)
D-09	Overdrive switch	D-21	Cigarette lighter
D-10	Ashtray illumination lamp	D-22	
D-11	Cigarette lighter illumination lamp	D-23	Rear differential lock switch
D-12	Rear console wiring harness and console wiring harness combination		

5-4 R.H. drive vehicles <A/T>

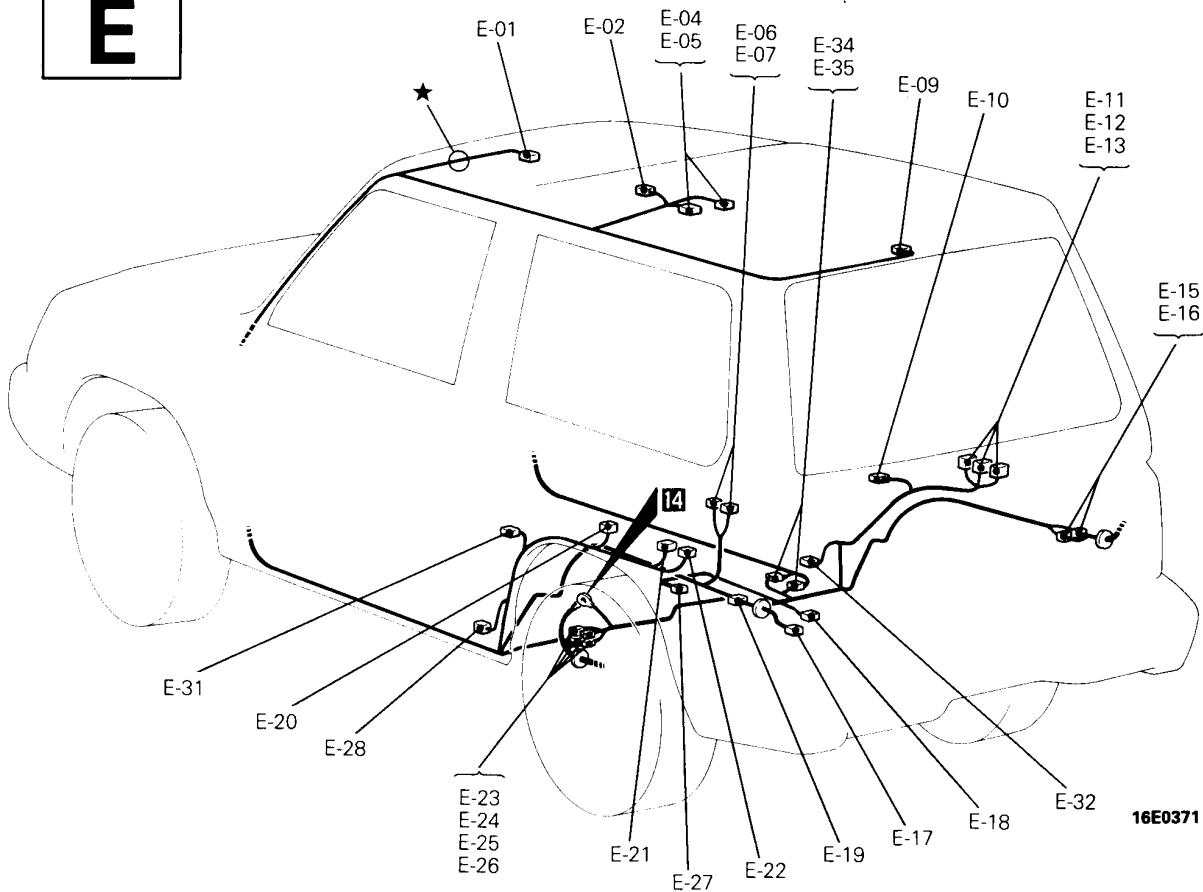
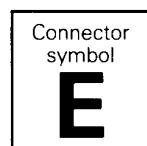


16E0363

- | | | | |
|------|---|------|--|
| D-01 | Instrument panel wiring harness and body wiring harness combination | D-13 | Console wiring harness and body wiring harness combination |
| D-02 | | D-14 | Heated seat switch (RH) |
| D-03 | Clock | D-15 | G sensor <ABS> |
| D-04 | Multi-meter | D-16 | Heated seat switch (LH) |
| D-05 | Geomagnetic sensor | D-17 | Parking brake switch |
| D-06 | Accessory socket | D-18 | Variable shock absorber control switch |
| D-07 | | D-19 | Rear blower main switch |
| D-08 | Seat heater (RH) | D-20 | Seat heater (LH) |
| D-09 | Overdrive switch | D-21 | Cigarette lighter |
| D-10 | Ashtray illumination lamp | D-22 | |
| D-11 | Cigarette lighter illumination lamp | D-23 | Rear differential lock switch |
| D-12 | Rear console wiring harness and console wiring harness combination | | |

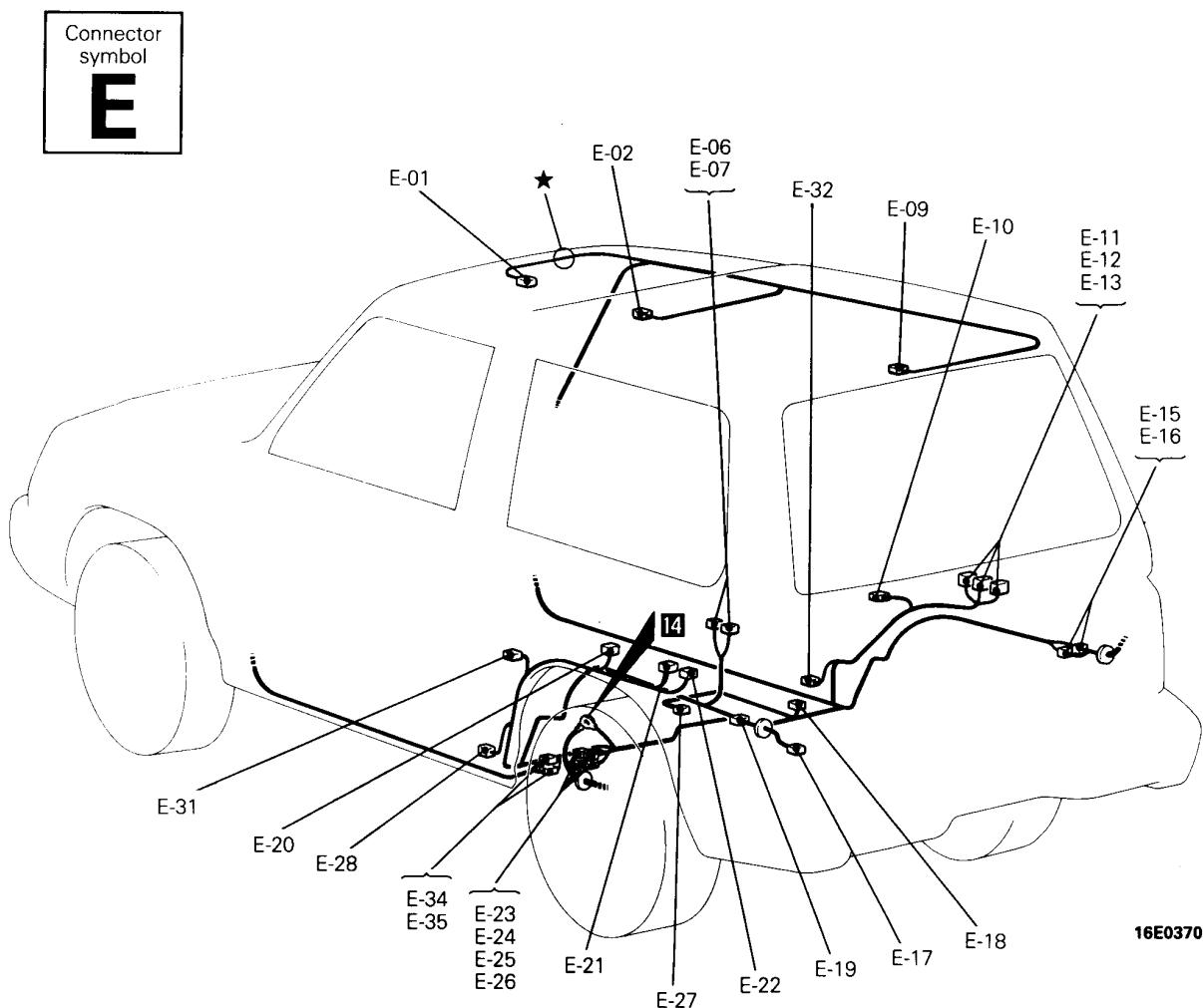
6 FLOOR AND ROOF

6-1 2-door models <L.H. drive vehicles>



E-01	Map lamp, room lamp or canvas roof switch	E-19	Rear combination lamp harness and body wiring harness combination
E-02	Room lamp	E-20	Variable shock absorber control unit
E-03	—	E-21	Rear differential lock air pump
E-04 } E-05 }	Folding top assembly <Canvas top>	E-22	Rear differential lock control unit
E-06 } E-07 }	Accessory socket	E-23 thru E-26	Frame wiring harness and body wiring harness combination
E-08	—	E-27	Rear heater control switch
E-09	Cargo space lamp	E-28	Front door switch (LH)
E-10	Rear speaker (RH)	E-29	—
E-11 } E-12 }	ABS control unit	E-30	—
E-13	—	E-31	Rear speaker (LH)
E-14	—	E-32	Front door switch (RH)
E-15 } E-16 }	Back door wiring harness and body wiring harness combination	E-33	—
E-17	Rear combination lamp (LH)	E-34 } E-35 }	Control wiring harness and body wiring harness combination
E-18	Rear heater assembly		

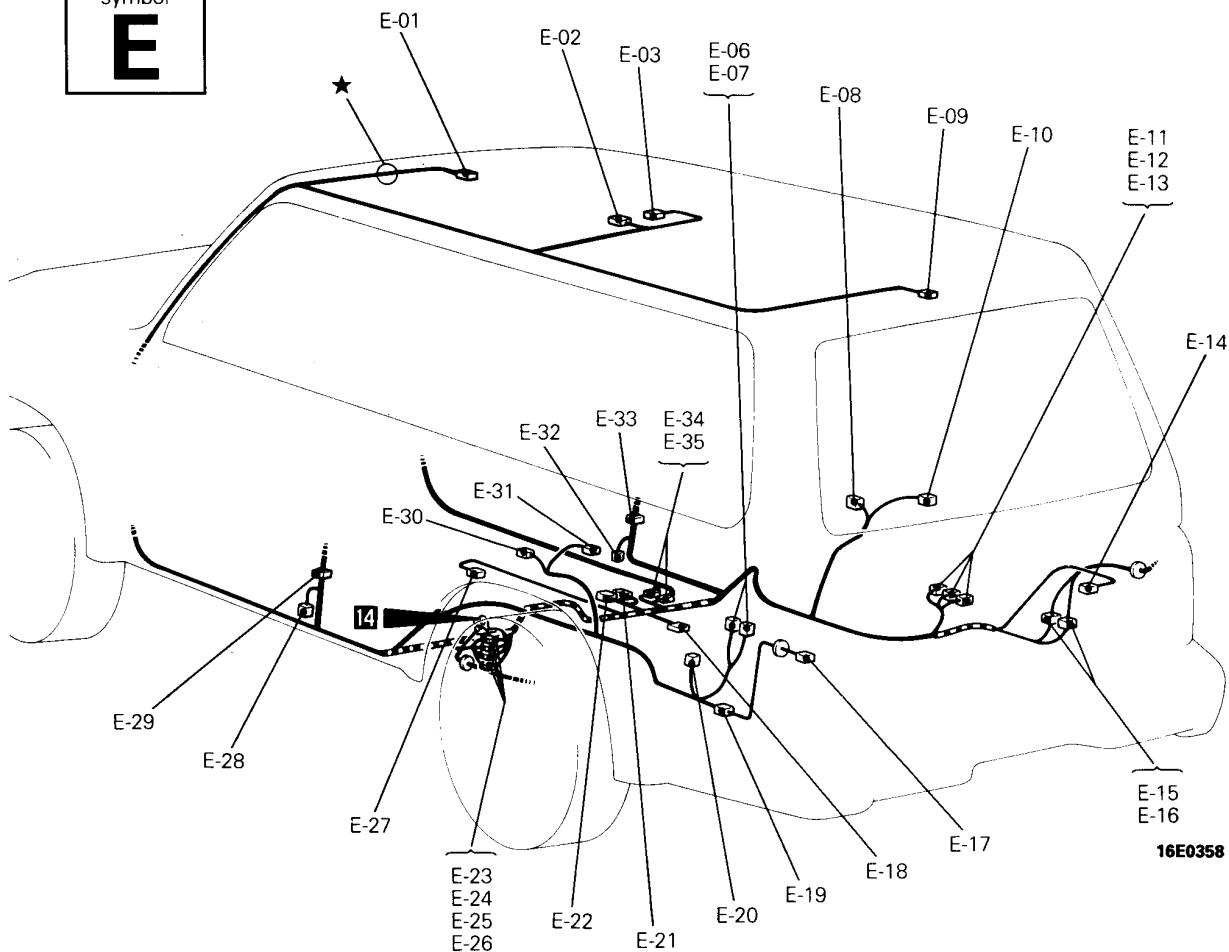
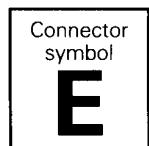
6-2 2-door models <R.H. drive vehicles>



E-01	Map lamp or room lamp	E-19	Rear combination lamp harness and body wiring harness combination
E-02	Room lamp	E-20	Variable shock absorber control unit
E-03	—	E-21	Rear differential lock air pump
E-04	—	E-22	Rear differential lock control unit
E-05	—	E-23	Frame wiring harness and body wiring harness combination
E-06	Accessory socket	E-24	
E-07	—	E-25	
E-08	—	E-26	
E-09	Cargo space lamp	E-27	Rear heater control switch
E-10	Rear speaker (RH)	E-28	Front door switch (LH)
E-11	ABS control unit	E-29	—
E-12	—	E-30	—
E-13	—	E-31	Rear speaker (LH)
E-14	—	E-32	Front door switch (RH)
E-15	Back door wiring harness and body wiring harness combination	E-33	—
E-16	—	E-34	Control wiring harness and body wiring harness combination
E-17	Rear combination lamp (LH)	E-35	
E-18	Rear heater assembly		

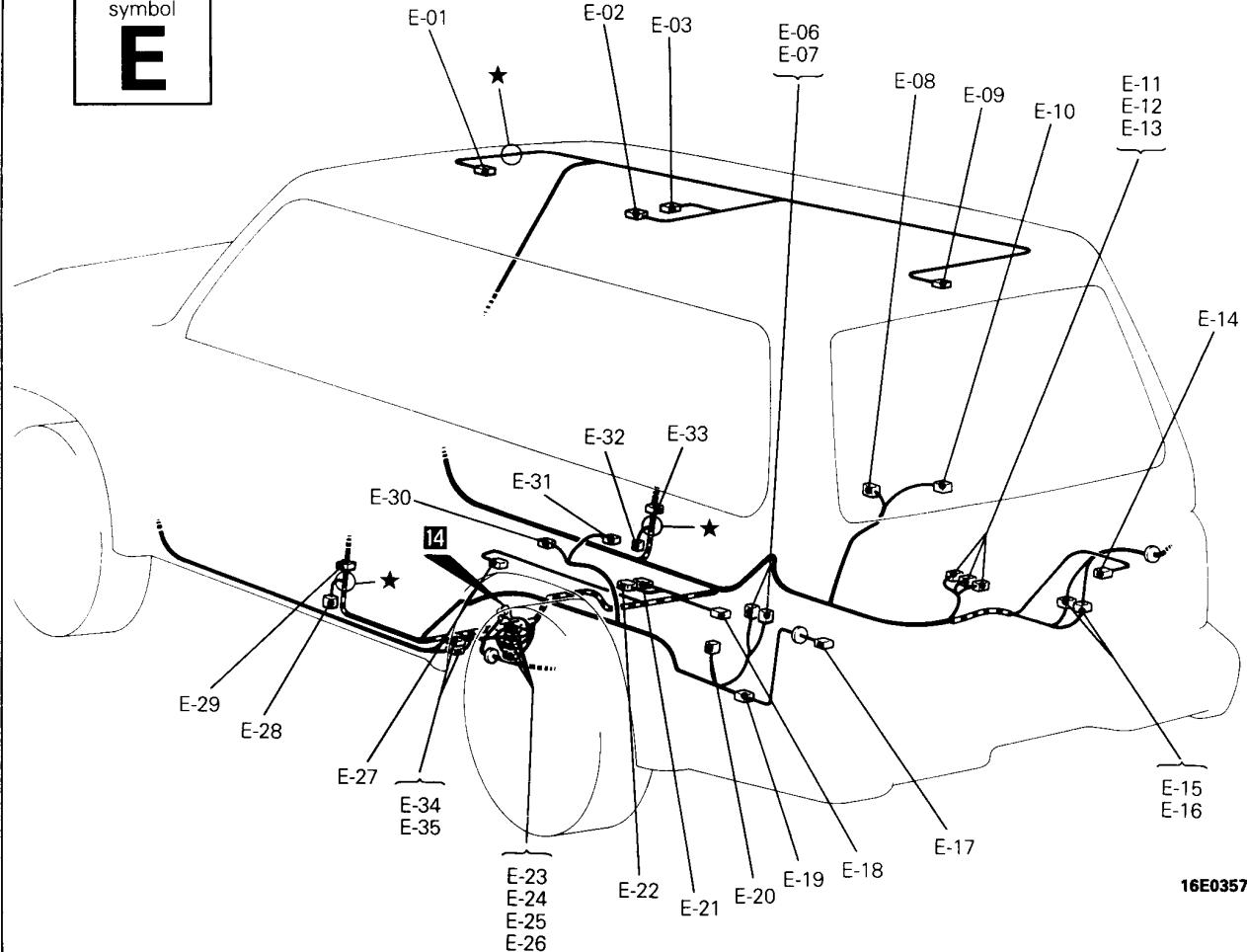
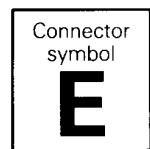
2-36 WIRING HARNESS CONFIGURATION DIAGRAMS — Floor and Roof

6-3 4-door models <L.H. drive vehicles>



E-01	Map lamp	E-20	Variable shock absorber control unit
E-02	Room lamp	E-21	Rear differential lock air pump
E-03	Sunroof assembly	E-22	Rear differential lock control unit
E-04 } E-05 }	—	E-23 } thru E-26 }	Frame wiring harness and body wiring harness combination
E-06 } E-07 }	Accessory socket	E-27	Rear heater control switch or rear A/C control switch <Dual A/C>
E-08	Rear door switch (RH)	E-28	Front door switch (LH)
E-09	Cargo space lamp	E-29	Rear door wiring harness (LH) and body wiring harness combination
E-10	Rear speaker (RH)	E-30	Rear door switch (LH)
E-11 } E-12 }	ABS control unit	E-31	Rear speaker (LH)
E-13 }		E-32	Front door switch (RH)
E-14	Rear A/C control unit	E-33	Rear door wiring harness (RH) and body wiring harness combination
E-15 } E-16 }	Back door wiring harness and body wiring harness combination	E-34 } E-35 }	Control wiring harness and body wiring harness combination
E-17	Rear combination lamp (LH)		
E-18	Rear heater assembly		
E-19	Rear combination lamp harness and body wiring harness combination		

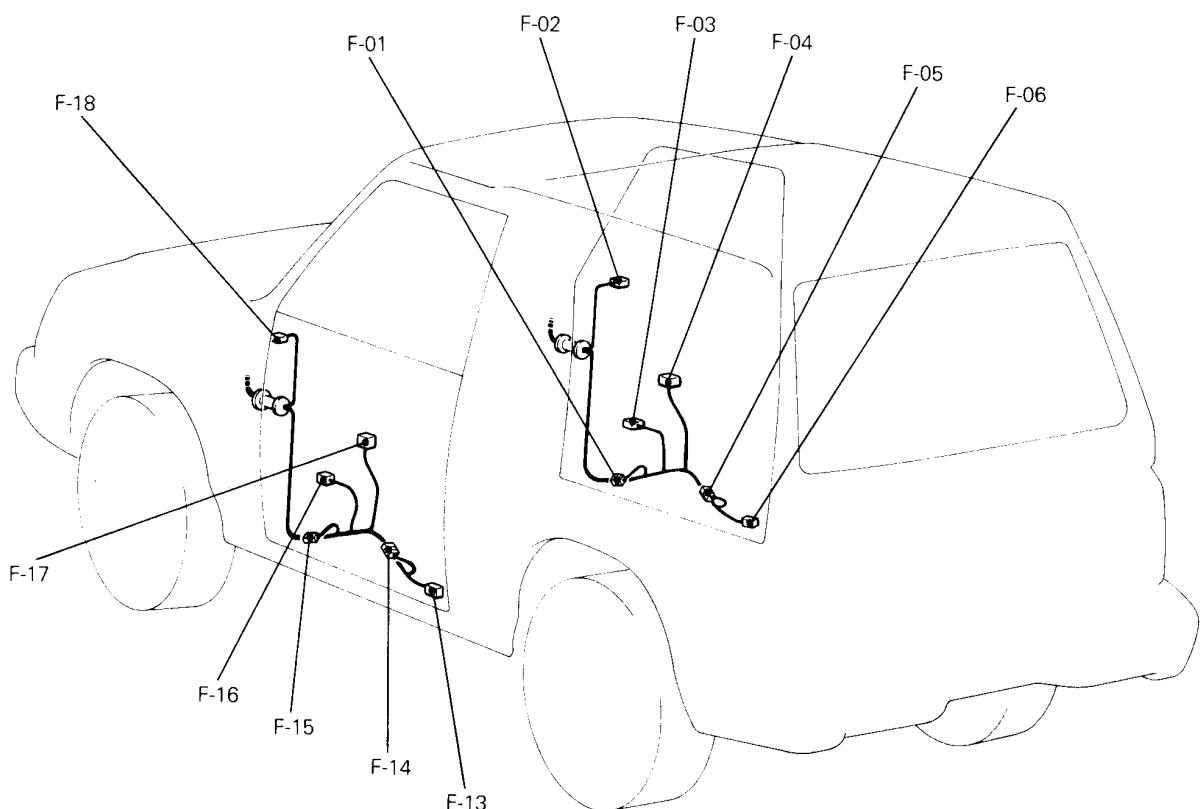
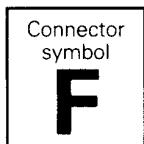
6-4 4-door models <R.H. drive vehicles>



- | | | | |
|------|---|------|---|
| E-01 | Map lamp | E-20 | Variable shock absorber control unit |
| E-02 | Room lamp | E-21 | Rear differential lock air pump |
| E-03 | Sunroof assembly | E-22 | Rear differential lock control unit |
| E-04 | — | E-23 | Frame wiring harness and body wiring harness combination |
| E-05 | — | E-24 | — |
| E-06 | Accessory socket | E-25 | — |
| E-07 | — | E-26 | — |
| E-08 | Rear door switch (RH) | E-27 | Rear heater control switch or rear A/C control switch <Dual A/C> |
| E-09 | Cargo space lamp | E-28 | Front door switch (LH) |
| E-10 | Rear speaker (RH) | E-29 | Rear door wiring harness (LH) and body wiring harness combination |
| E-11 | ABS control unit | E-30 | Rear door switch (LH) |
| E-12 | — | E-31 | Rear speaker (LH) |
| E-13 | — | E-32 | Front door switch (RH) |
| E-14 | Rear A/C control unit | E-33 | Rear door wiring harness (RH) and body wiring harness combination |
| E-15 | Back door wiring harness and body wiring harness combination | E-34 | Control wiring harness and body wiring harness combination |
| E-16 | — | E-35 | — |
| E-17 | Rear combination lamp (LH) | | |
| E-18 | Rear heater assembly | | |
| E-19 | Rear combination lamp harness and body wiring harness combination | | |

7 DOOR

7-1 2-door models <L.H. drive vehicles>



16E0372

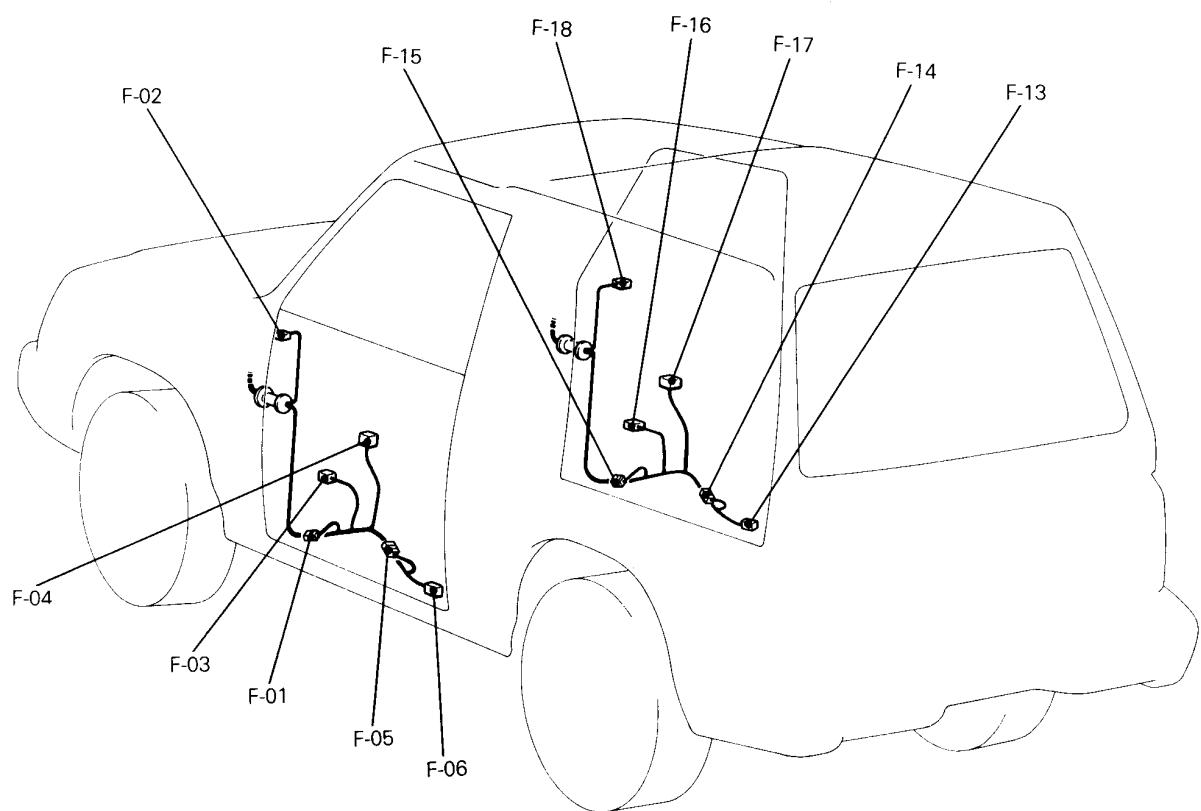
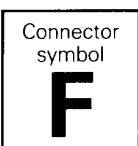
- F-01 No connection *
- F-02 Remote controlled mirror (RH)
- F-03 Power window motor (Front: RH)
- F-04 Power window sub switch (Front: RH)
- F-05 Door key cylinder switch
<Vehicles with central door locking>
- F-06 Door lock actuator (Front: RH)
- F-07 thru } —
- F-12 }
- F-13 Door lock actuator (Front: LH)

- F-14 No connection
<Vehicles with central door locking>
- F-15 No connection *
- F-16 Power window motor (Front: LH)
- F-17 Power window main switch (Front: LH)
- F-18 Remote controlled mirror (LH)

Note

* is applicable only to vehicles with remote controlled mirror as an option.

7-2 2-door models <R.H. drive vehicles>



16E0372

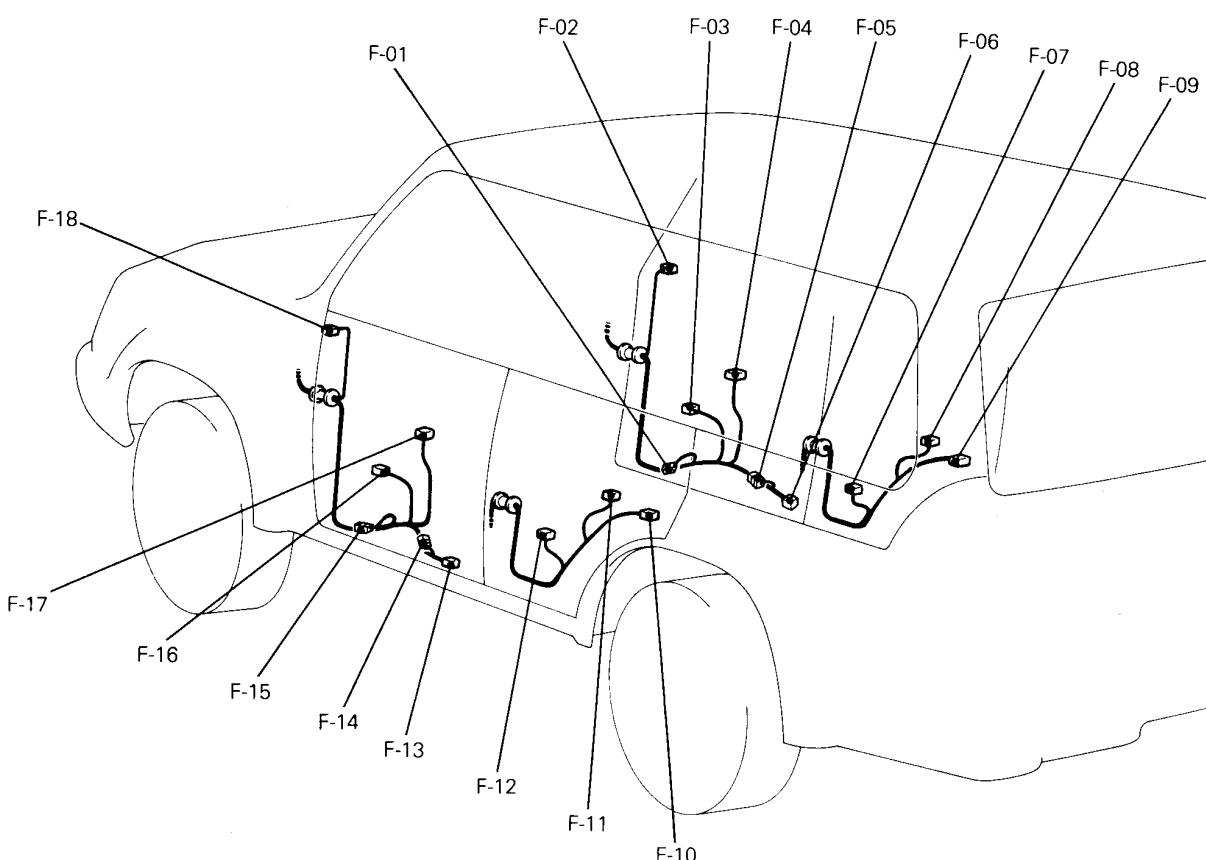
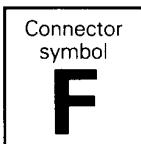
- | | |
|-----------|--|
| F-01 | No connection * |
| F-02 | Remote controlled mirror (LH) |
| F-03 | Power window motor (Front: LH) |
| F-04 | Power window sub switch (Front: LH) |
| F-05 | Door key cylinder switch
<Vehicles with central door locking> |
| F-06 | Door lock actuator (Front: LH) |
| F-07 | — |
| thru F-12 | — |
| F-13 | Door lock actuator (Front: RH) |

- | | |
|------|---|
| F-14 | No connection
<Vehicles with central door locking> |
| F-15 | No connection * |
| F-16 | Power window motor (Front: RH) |
| F-17 | Power window main switch (Front: RH) |
| F-18 | Remote controlled mirror (RH) |

Note

* is applicable only to vehicles with remote controlled mirror as an option.

7-3 4-door models <L.H. drive vehicles>



16E0359

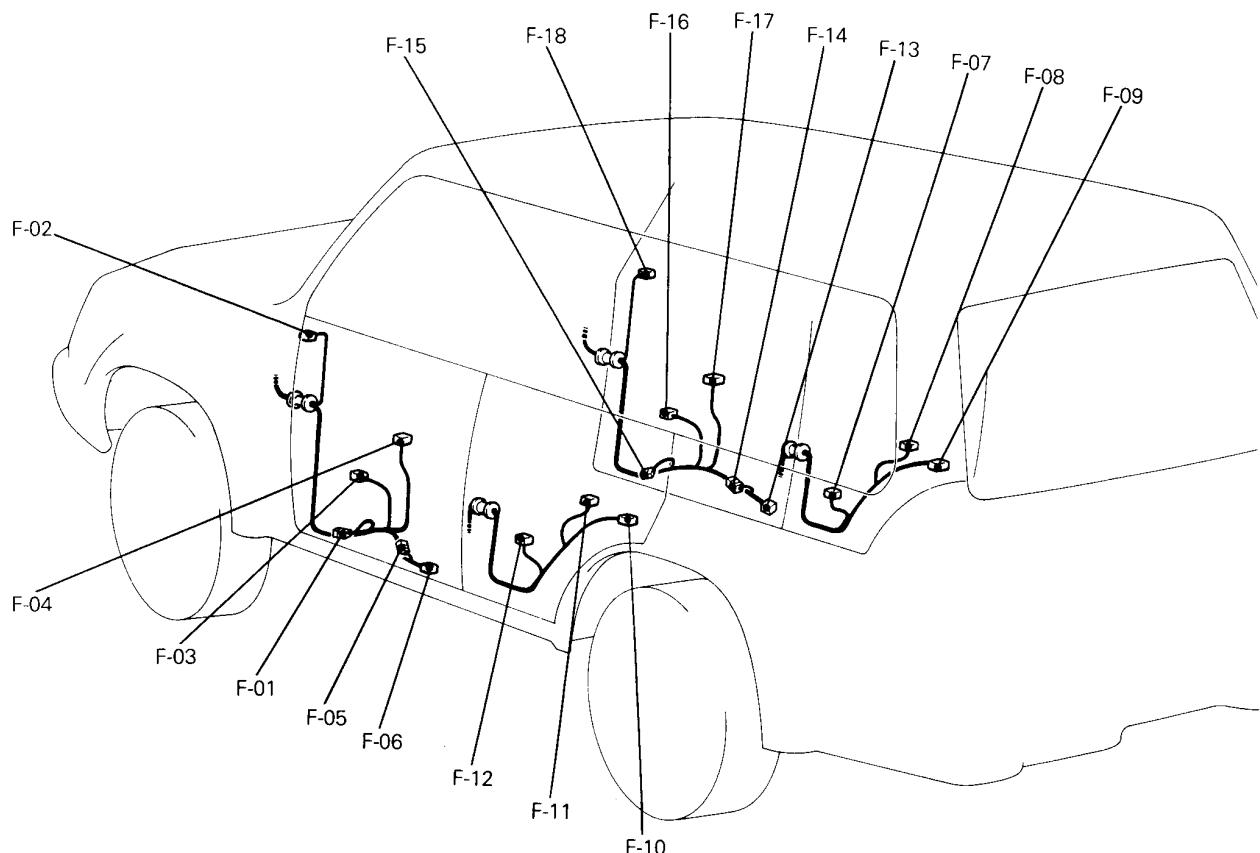
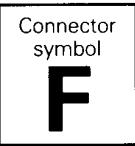
- F-01 No connection *
- F-02 Remote controlled mirror (RH)
- F-03 Power window motor (Front: RH)
- F-04 Power window sub switch (Front: RH)
- F-05 Door key cylinder switch
<Vehicles with central door locking>
- F-06 Door lock actuator (Front: RH)
- F-07 Power window motor (Rear: RH)
- F-08 Power window sub switch (Rear: RH)
- F-09 Door lock actuator (Rear: RH)
- F-10 Door lock actuator (Rear: LH)
- F-11 Power window sub switch (Rear: LH)

- F-12 Power window motor (Rear: LH)
- F-13 Door lock actuator (Front: LH)
- F-14 No connection
- <Vehicles with central door locking>
- F-15 No connection *
- F-16 Power window motor (Front: LH)
- F-17 Power window main switch (Front: LH)
- F-18 Remote controlled mirror (LH)

Note

* is applicable only to vehicles with remote controlled mirror as an option.

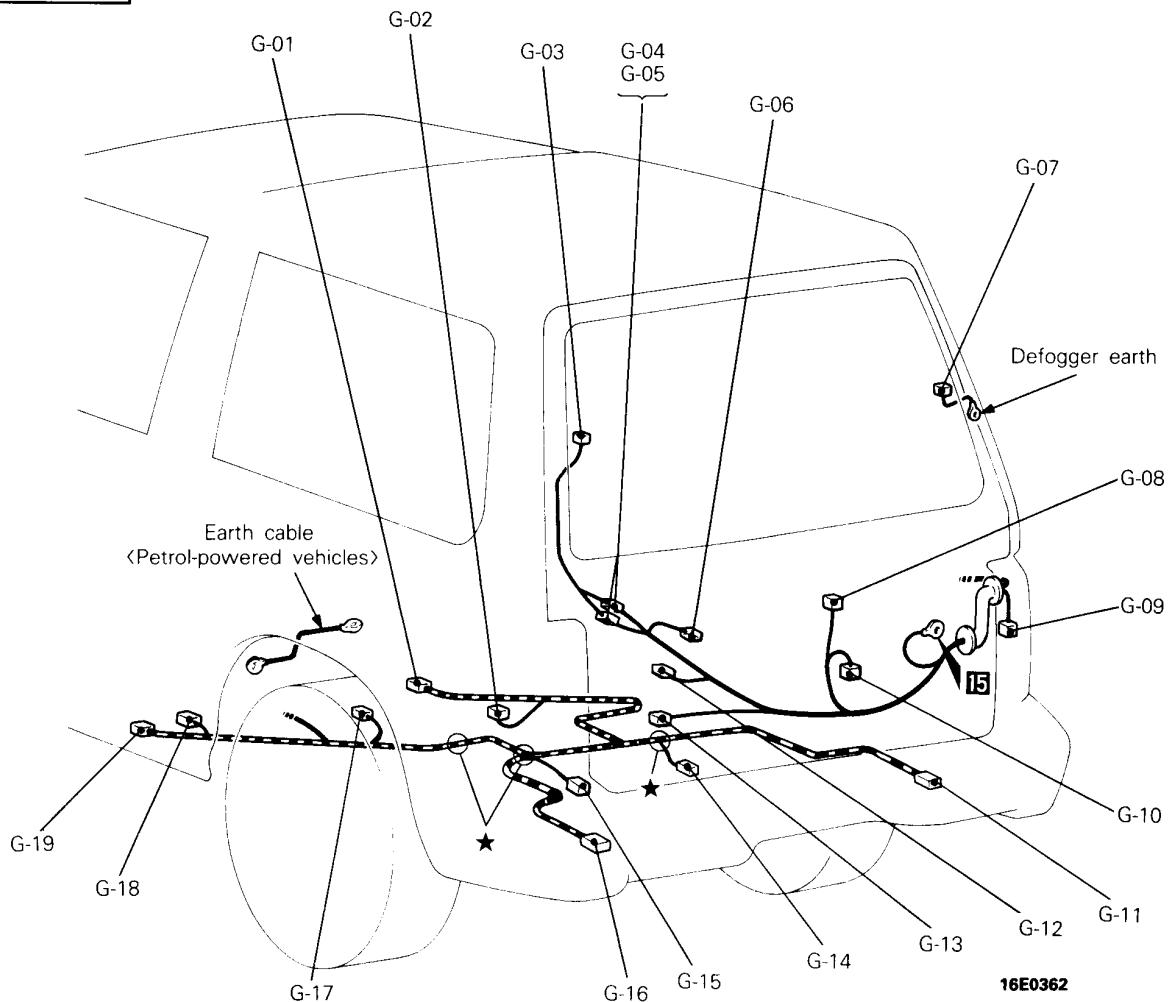
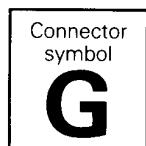
7-4 4-door models <R.H. drive vehicles>



16E0359

- | | | | |
|--------------------------------------|-------------------------------------|--|--------------------------------------|
| F-01 | No connection * | F-12 | Power window motor (Rear: LH) |
| F-02 | Remote controlled mirror (LH) | F-13 | Door lock actuator (Front: RH) |
| F-03 | Power window motor (Front: LH) | F-14 | No connection |
| F-04 | Power window sub switch (Front: LH) | <Vehicles with central door locking> | |
| F-05 | Door key cylinder switch | F-15 | No connection * |
| <Vehicles with central door locking> | | F-16 | Power window motor (Front: RH) |
| F-06 | Door lock actuator (Front: LH) | F-17 | Power window main switch (Front: RH) |
| F-07 | Power window motor (Rear: RH) | F-18 | Remote controlled mirror (RH) |
| F-08 | Power window sub switch (Rear: RH) | Note | |
| F-09 | Door lock actuator (Rear: RH) | * is applicable only to vehicles with remote controlled mirror as an option. | |
| F-10 | Door lock actuator (Rear: LH) | | |
| F-11 | Power window sub switch (Rear: LH) | | |

8 BACK DOOR AND REAR UNDER FLOOR



G-01	Speed sensor (Rear: RH) <ABS>	G-11	Rear combination lamp (In bumper: RH)
G-02	Shock absorber (Rear: RH) <Remote controlled variable shock absorber>	G-12	License plate lamp
G-03	Defogger (+)	G-13	Door lock actuator (Back door)
G-04	Defogger cable and back door wiring harness combination	G-14	Fuel pump <MPI>
G-05		G-15	Fuel gauge unit
G-06	Back door switch	G-16	Rear combination lamp (In bumper: LH)
G-07	Defogger (-)	G-17	Shock absorber (Rear: LH) <Remote controlled variable shock absorber>
G-08	Rear wiper motor	G-18	Speed sensor (Rear: LH) <ABS>
G-09	Rear combination lamp (RH)	G-19	Rear differential lock detection switch
G-10	Rear washer motor		

3 SINGLE PART INSTALLATION POSITION

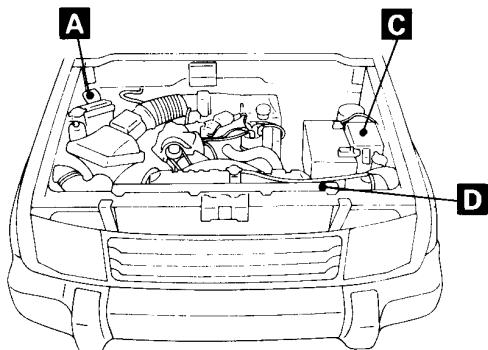
RELAY	3- 2
CONTROL UNIT	3- 5
SENSOR	3- 8
DIODE	3-11
INSPECTION TERMINAL	3-12
FUSIBLE LINK AND FUSE	3-13
EARTH CABLE	3-14
EARTH	3-15

RELAY

Name	Symbol	Name	Symbol
ABS motor relay	A	Glow plug relay 2 <Super quick glow>	B
ABS power relay	LHD	G	Headlamp relay
	RHD	L	Headlamp washer relay
ABS valve relay	A	LHD	K
A/C compressor relay	C		RHD
Accessory socket relay	I	Intercooler fan motor relay	C
Alternator relay	C	Intermittent wiper relay (windshield wiper)	E
Blower relay	I	Intermittent wiper relay (rear wiper)	J
Condenser fan motor control relay <Diesel-powered vehicles>	LHD	Overdrive control relay	LHD
	RHD		RHD
Condenser fan motor relay	B	Power window relay	J
Daytime running lamp relay 1	D	Rear fog lamp relay	C
Daytime running lamp relay 2	D	Rear heater relay	J
Dim-dip lamp relay 1	L	Starter relay	B
Dim-dip lamp relay 2	L	Tail lamp relay	C
Dim dip lamp relay 3	L	Turn and hazard flasher unit	J
Engine control relay	H	Vehicle speed relay	LHD
Engine oil level relay	H		RHD
Glow plug relay <Auto glow>	B	4WD indicator relay <Part time 4WD>	
Glow plug relay 1 <Super quick glow>	B		

NOTE

Names are listed in alphabetical order.

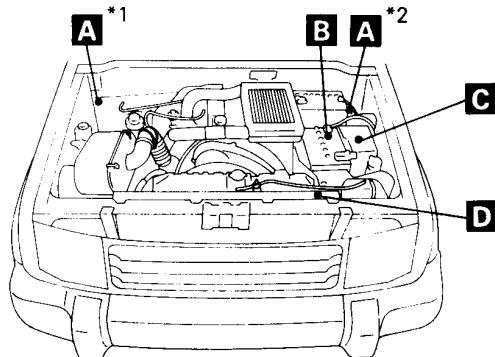
Engine compartment**<Petrol-powered vehicles>**

16E0128

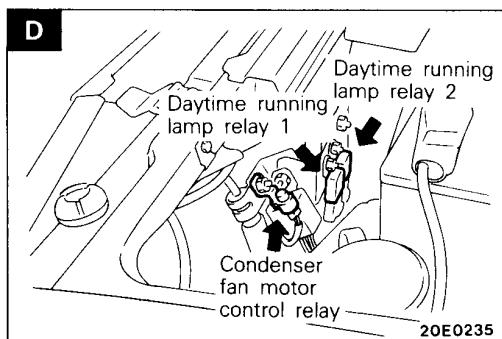
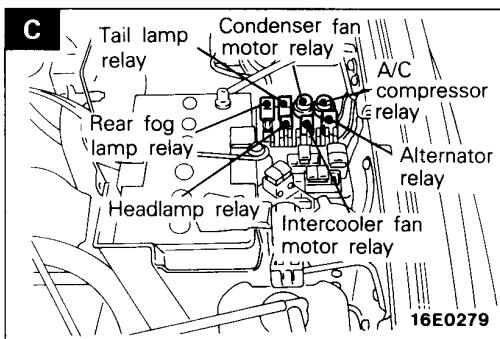
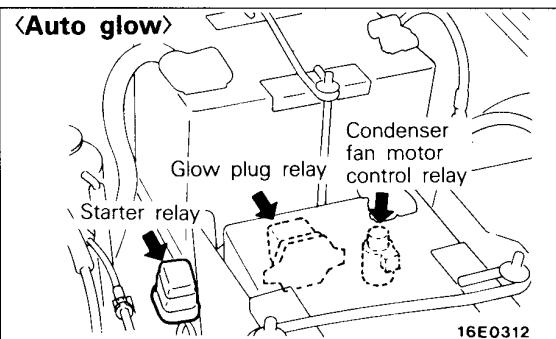
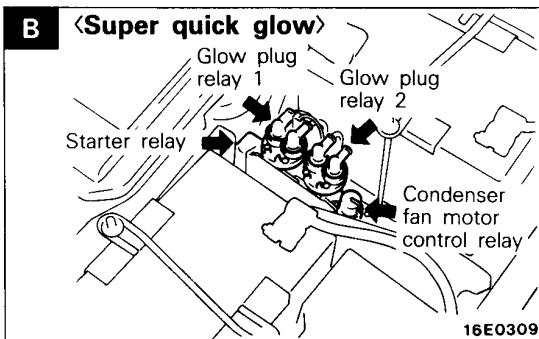
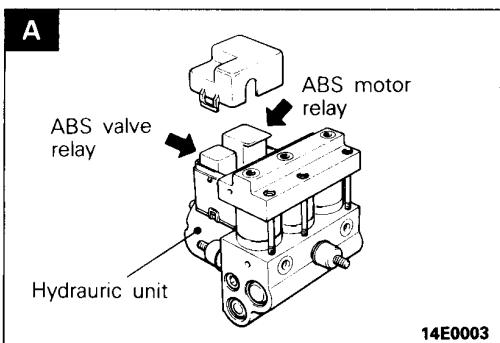
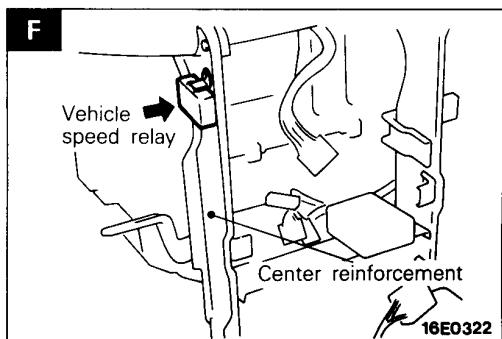
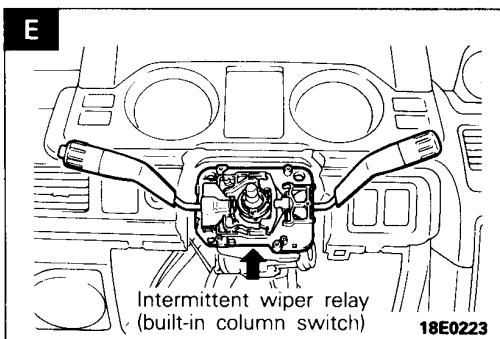
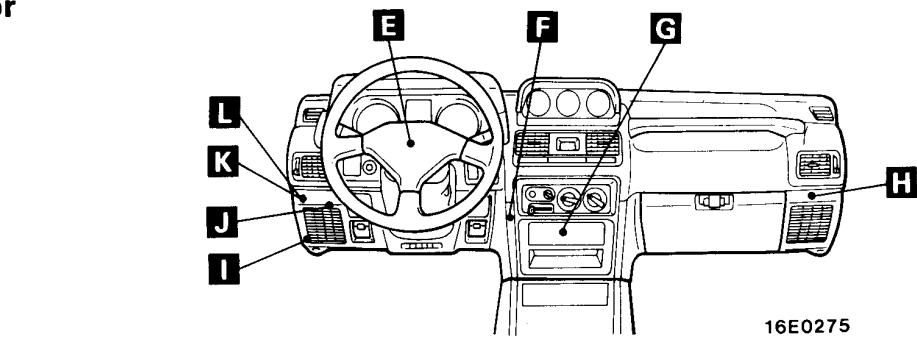
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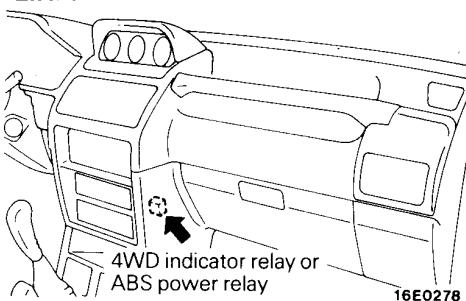
*1: R.H. drive vehicles

*2: L.H. drive vehicles

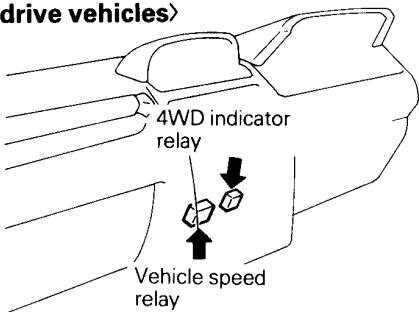
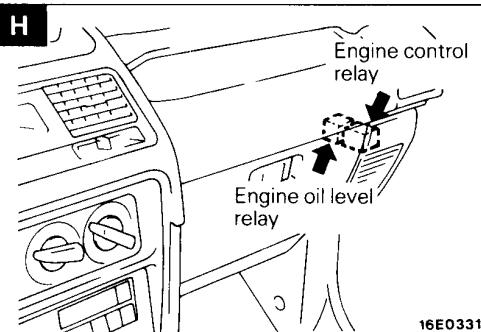
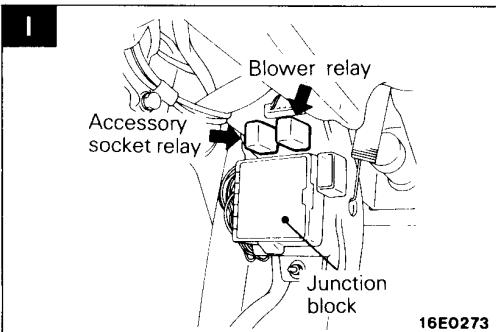
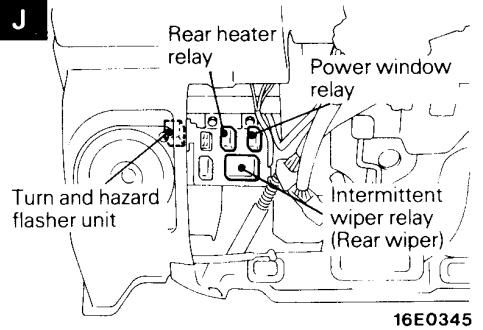
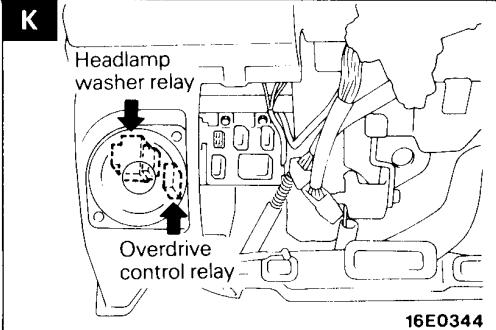
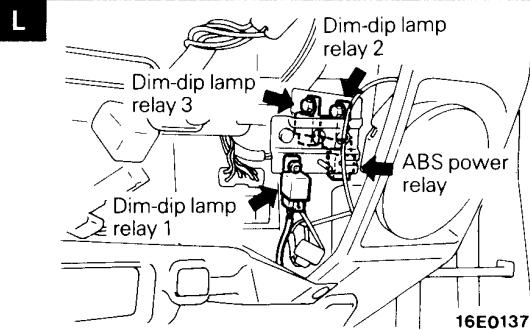
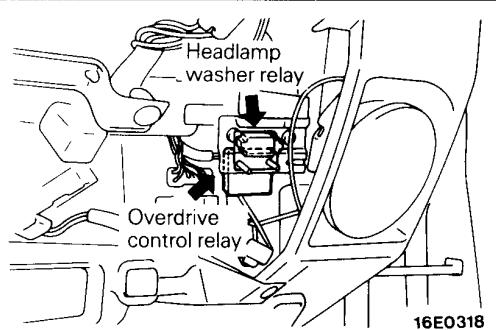
<Diesel-powered vehicles>

16E0129

**Interior**

G <L.H. drive vehicles>

<R.H. drive vehicles>

**H****I****J****K****L****M**

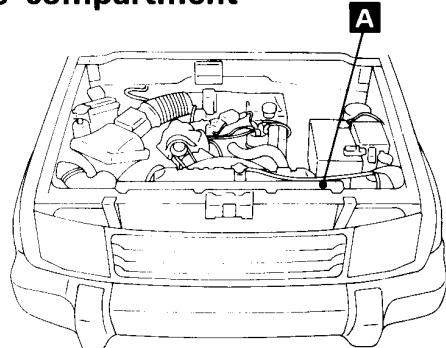
CONTROL UNIT

Name	Symbol	Name	Symbol
ABS control unit	L	Intercooler fan control unit <Vehicles with fuel line heater>	F
A/C control unit (front)	D	Intercooler fan control unit <Vehicles without fuel line heater>	E
A/C control unit (rear)	K	Motor antenna control unit	G
Auto-cruise control unit	C	Rear differential lock control unit	M
	B	4-door models	
Daytime running lamp control unit	A	2-door models	J
Door lock control unit	H	Sunroof control unit	I
Engine control unit	F	Variable shock absorber control unit	M
Fuel line heater control unit	E	4WD indicator control unit	G
Glow control unit	F		

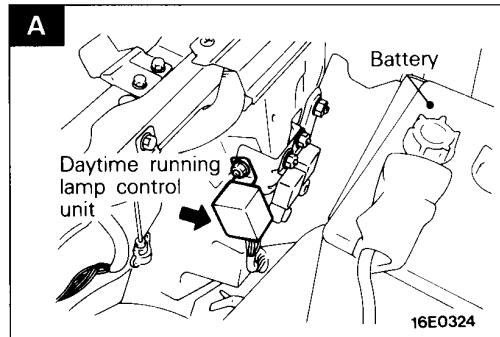
NOTE

Names are listed in alphabetical order.

Engine compartment

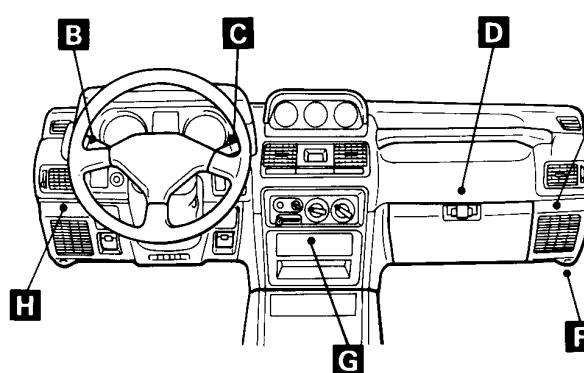


16E0128

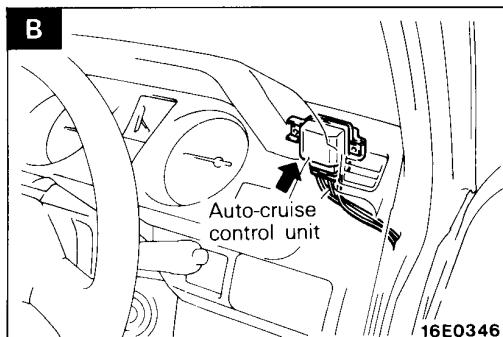


16E0324

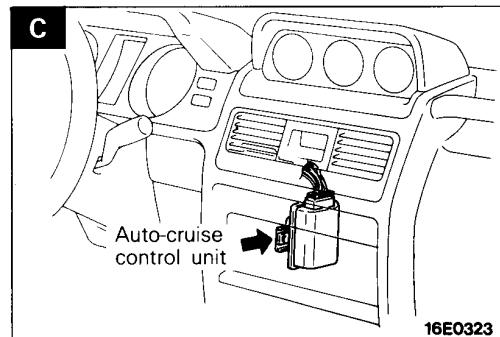
Interior



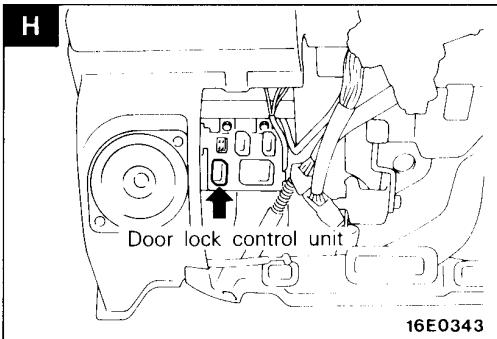
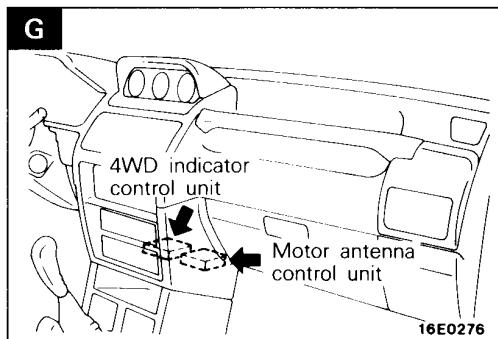
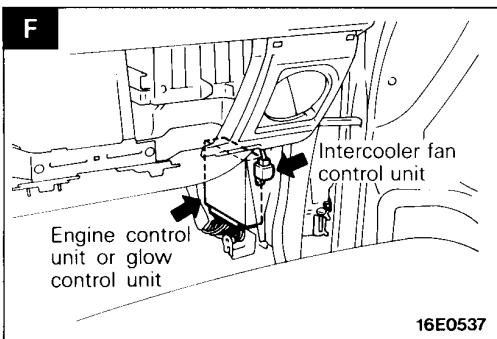
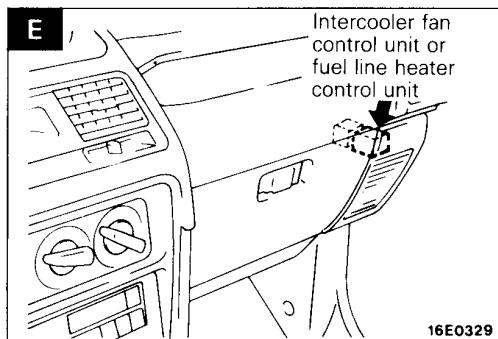
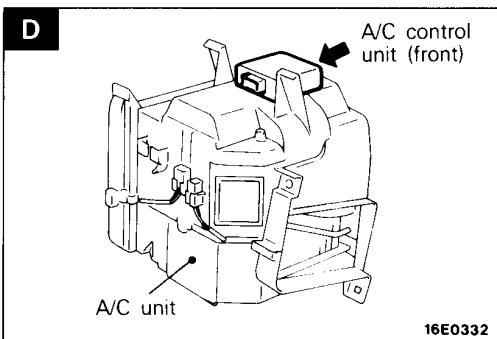
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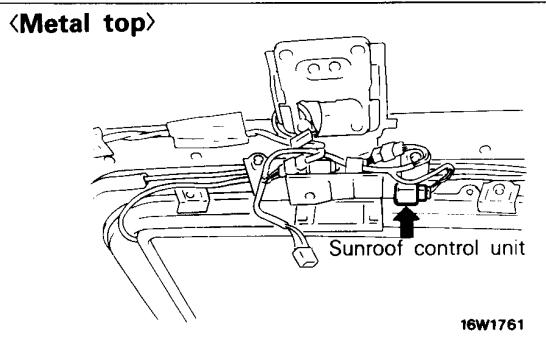
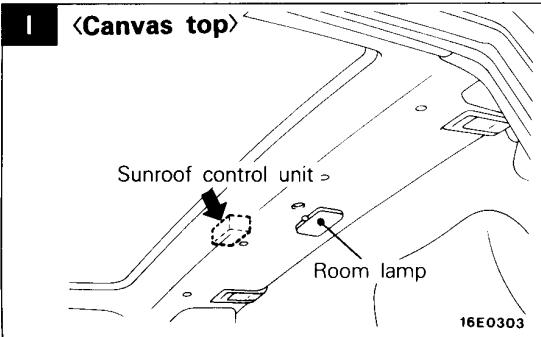
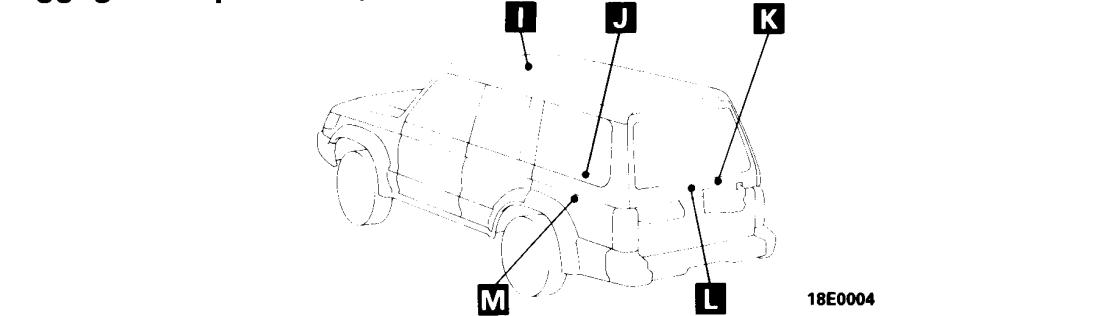
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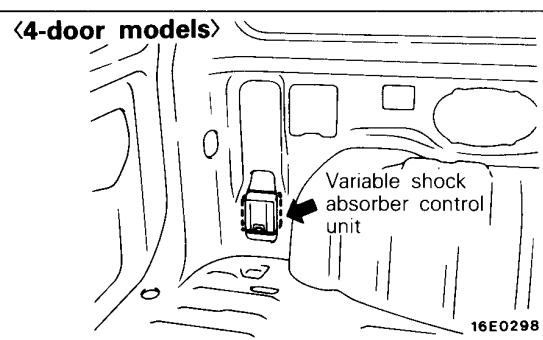
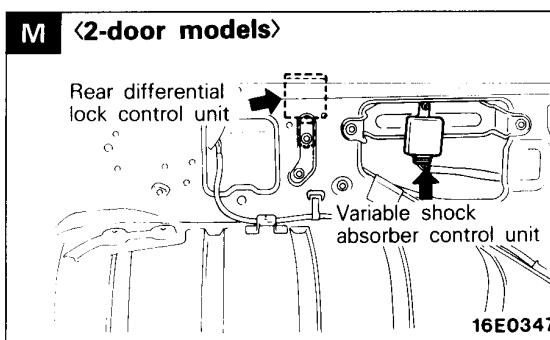
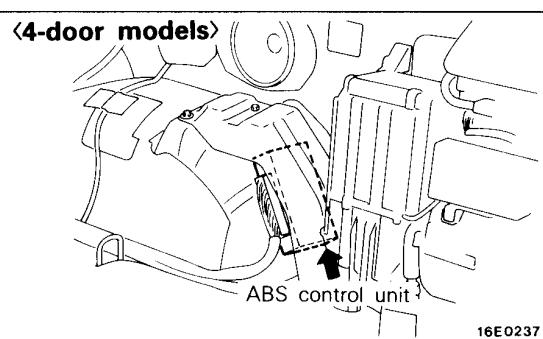
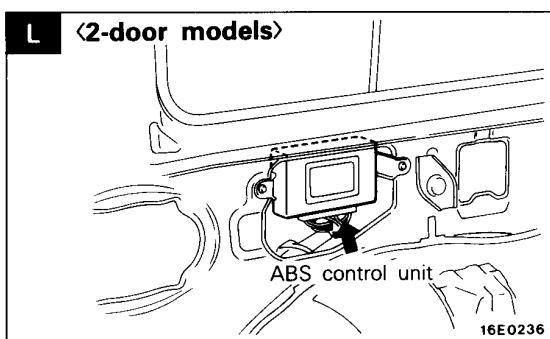
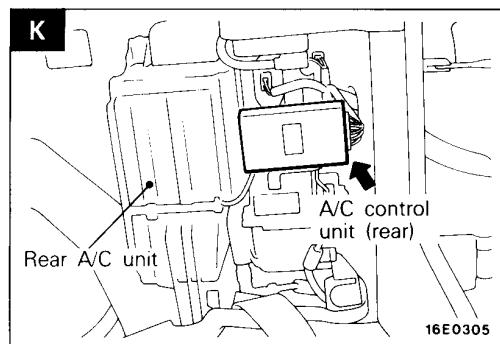
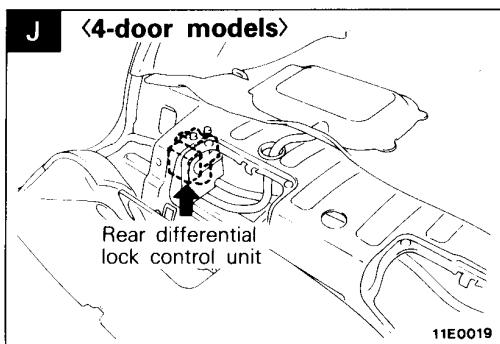


16E0323



Roof, Luggage compartment, Floor



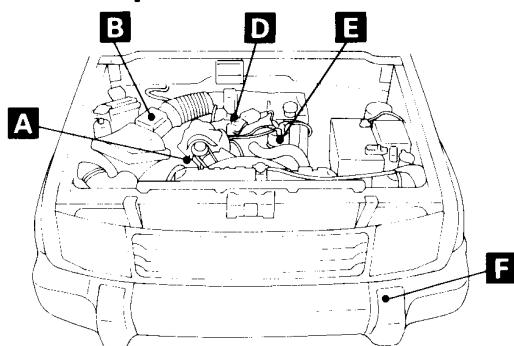


SENSOR

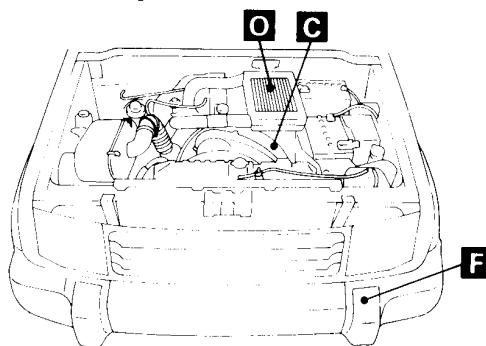
Name	Symbol	Name	Symbol
Air-flow sensor (with built-in atmospheric sensor, intake air temperature sensor)	B	Geomagnetic sensor	H
Air inlet sensor	I	G sensor	K
Air thermo sensor (front)	I	Idle speed control actuator <4G64 engine>	D
Air thermo sensor (rear)	L	Oxygen sensor	A
Crank angle sensor and top dead center sensor	E	Reed switch	G
Engine coolant temperature gauge unit <Diesel-powered vehicles>	C	Speed sensor (front)	M
Engine coolant temperature sensor (for engine control)	D	Speed sensor (rear)	N
Engine coolant temperature switch (for A/C <MPI>)	D	Throttle position sensor	D
Fuel thermo sensor	O	Thermo sensor (inside air)	J
		Thermo sensor (outside air)	F

NOTE

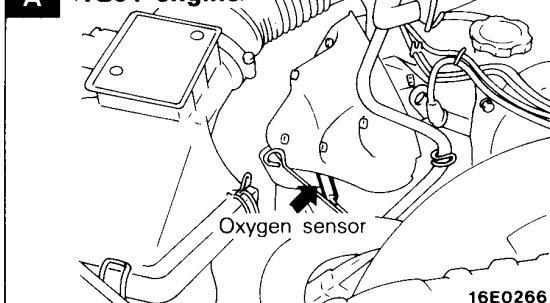
Names are listed in alphabetical order.

Engine compartment**<Petrol-powered vehicles>**

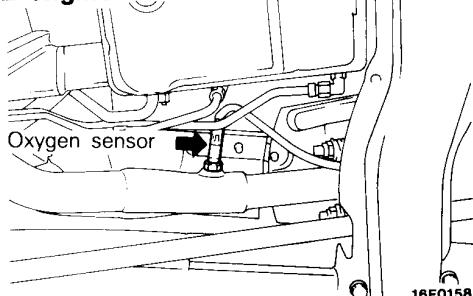
16E0128

<Diesel-powered vehicles>

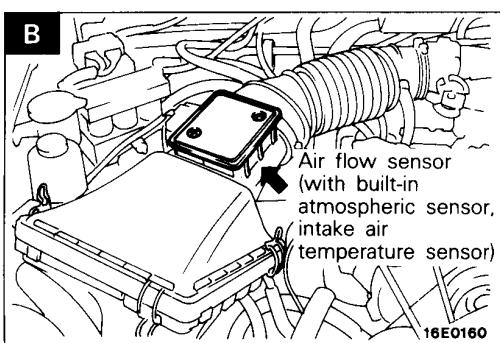
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A <4G64 engine>

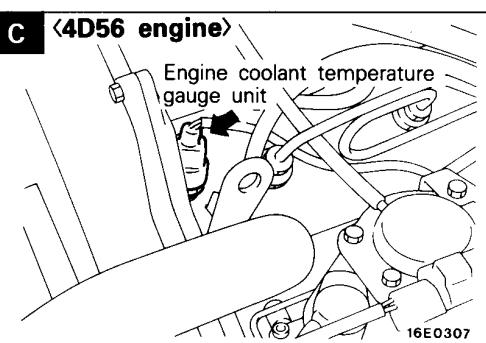
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<6G72 engine>

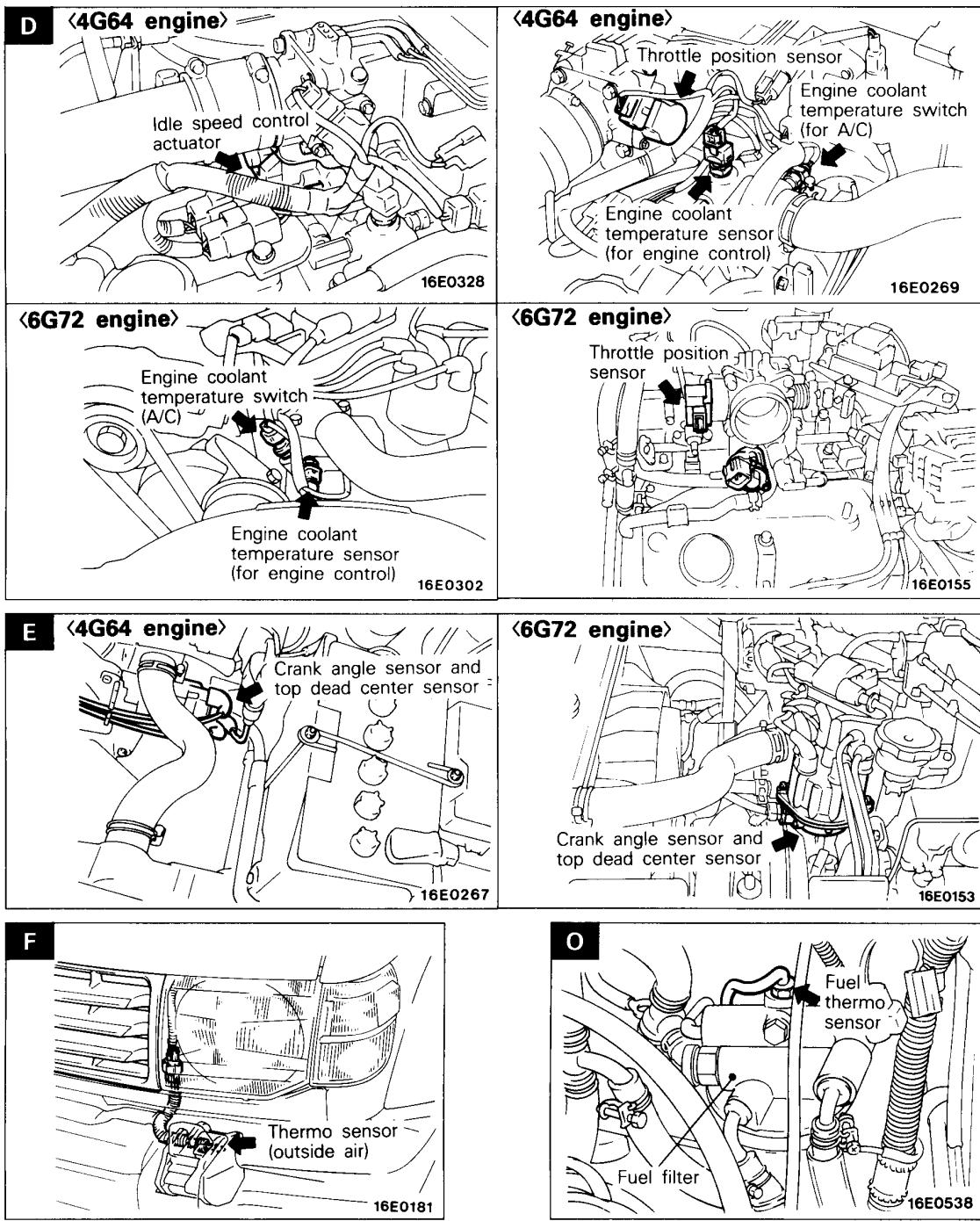
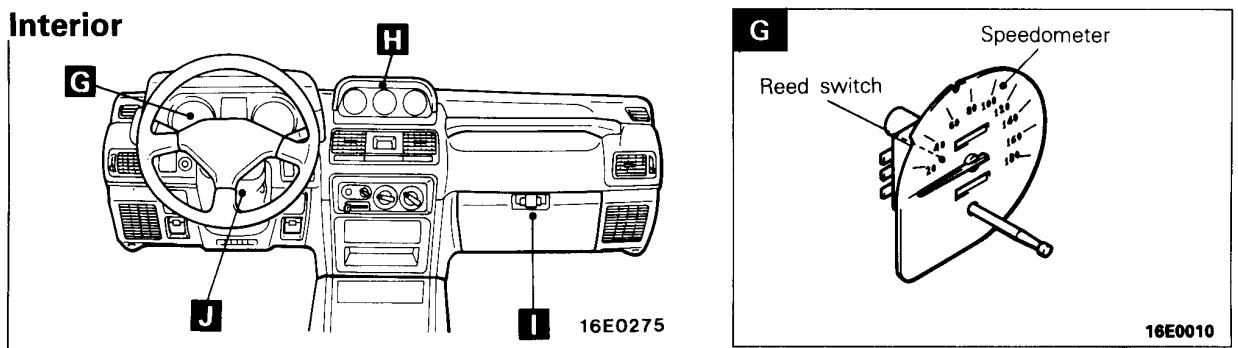
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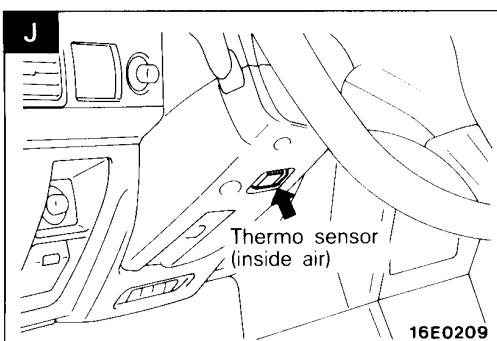
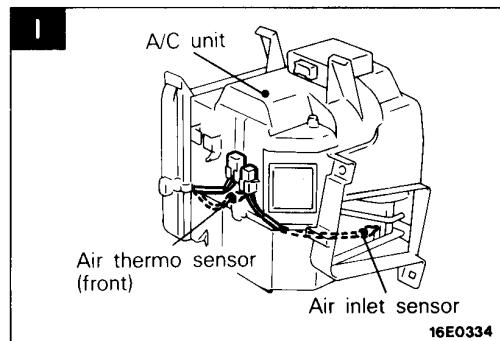
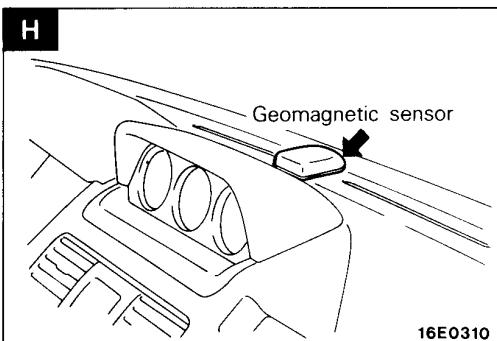
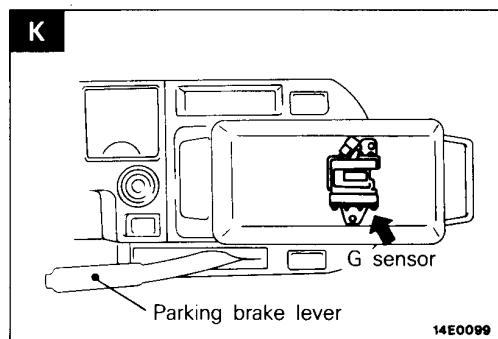
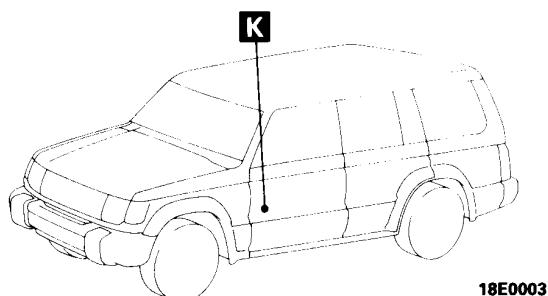
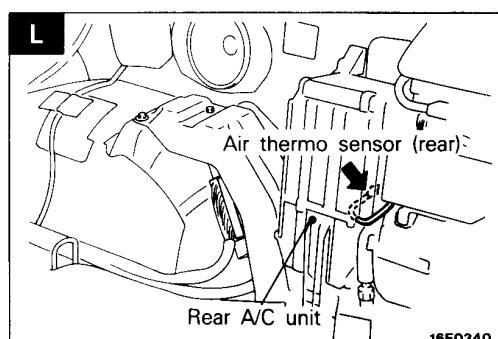
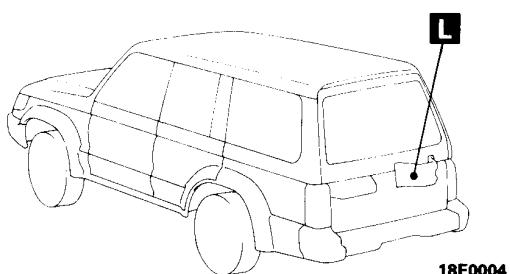
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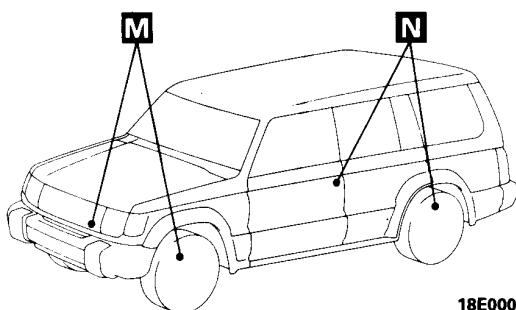
16E0160

C <4D56 engine>

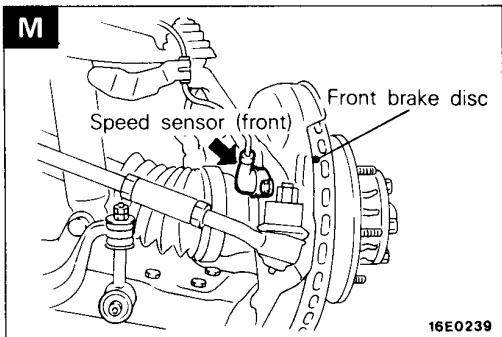
16E0307

**Interior**

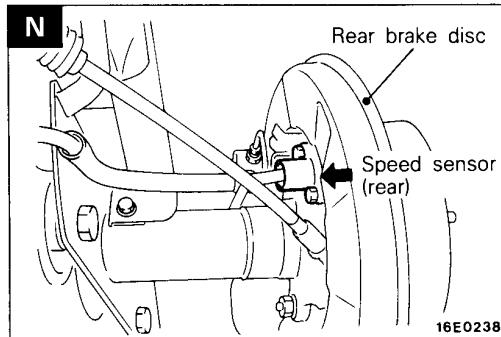
**Floor****Luggage compartment**

Under floor

18E0003



16E0239



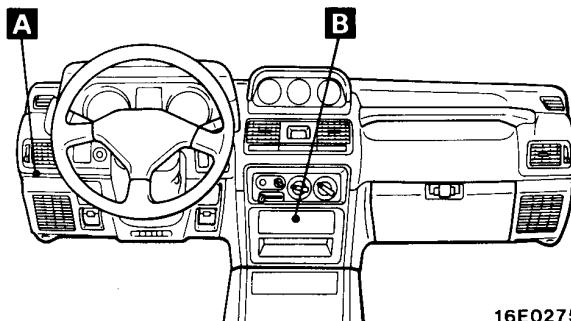
16E0238

DIODE

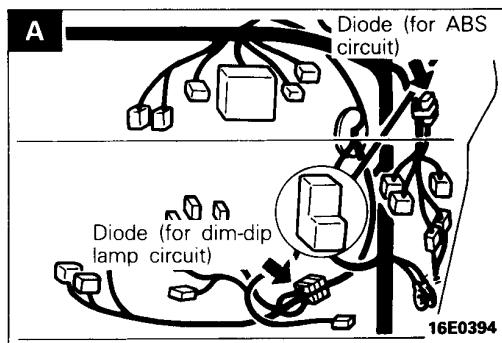
Name	Symbol	Name	Symbol
Diode (for ABS circuit)	B	Diode (for dim-dip lamp circuit)	A
LHD		RHD	
	A		
		Diode (for dim-dip lamp circuit)	A

NOTE

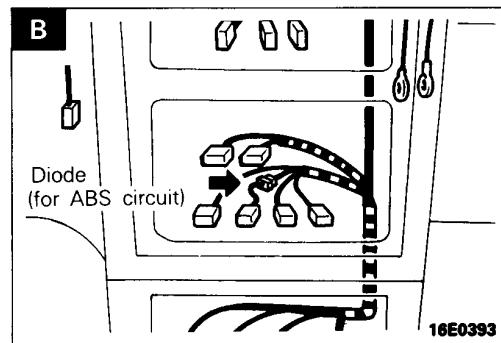
Names are listed in alphabetical order.

Interior

16E0275



16E0394



16E0393

3-12 SINGLE PART INSTALLATION POSITION — Inspection Terminal

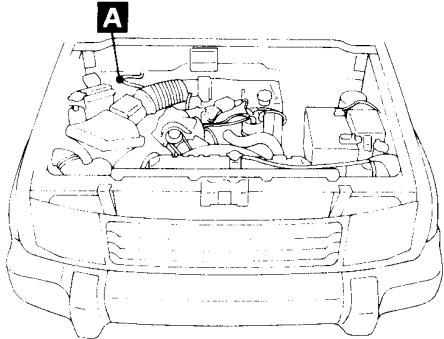
INSPECTION TERMINAL

Name	Symbol	Name	Symbol
Fuel pump check connector	A	Diagnosis connector	B
Ignition timing adjustment connector	A		

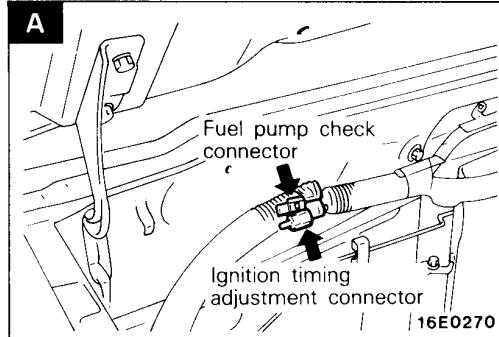
NOTE

Names are listed in alphabetical order.

Engine compartment

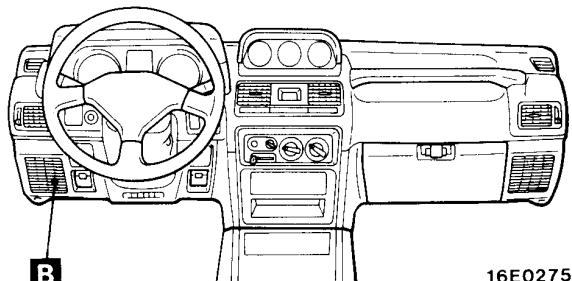


16E0128

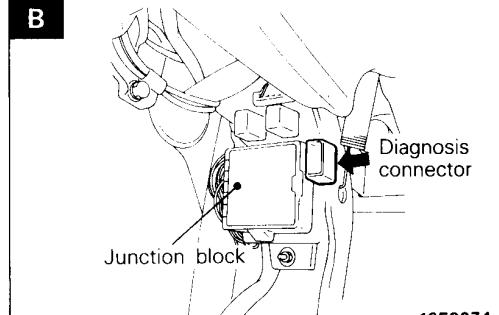


16E0270

Interior



16E0275



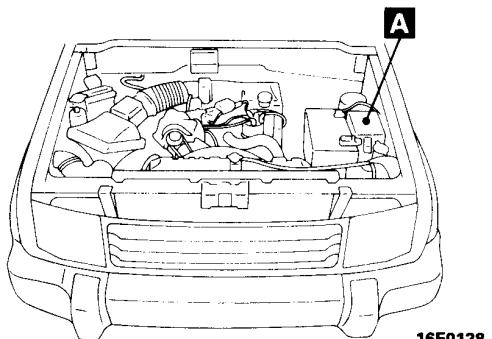
16E0274

FUSIBLE LINK AND FUSE

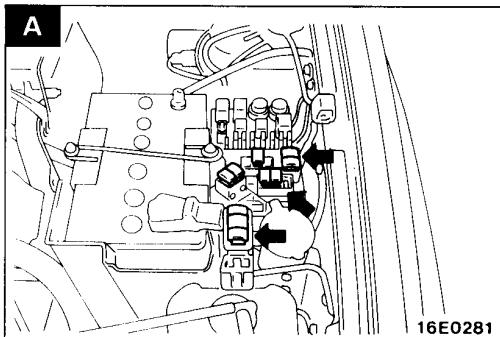
Name	Symbol	Name	Symbol
Dedicated fuse	A, B	Multi-purpose fuse	B
Fusible link	A		

NOTE

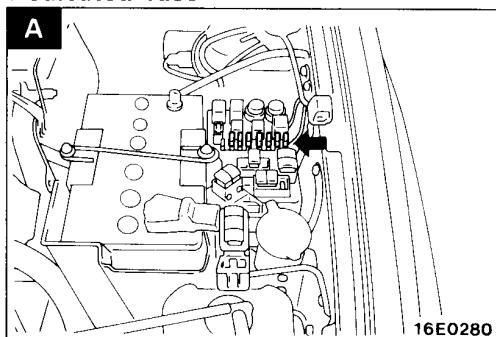
Names are listed in alphabetical order.

Engine compartment

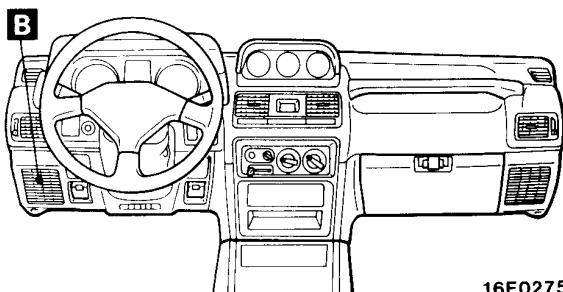
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Fusible link

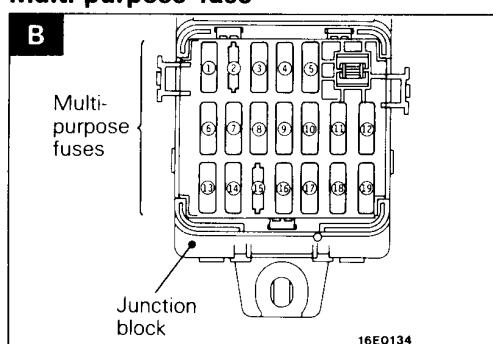
16E0281

Dedicated fuse

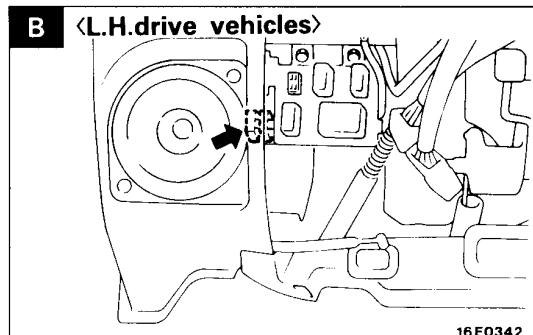
16E0280

Interior

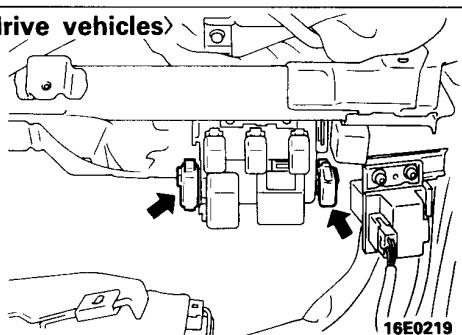
16E0275

Multi-purpose fuse

16E0134

Dedicated fuse

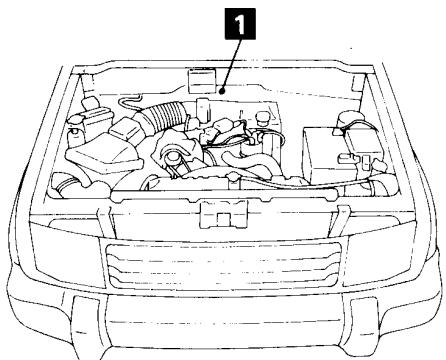
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< R.H. drive vehicles >

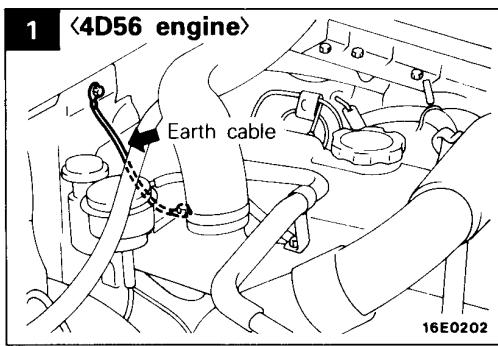
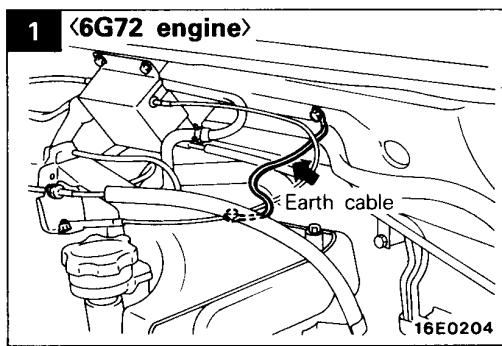
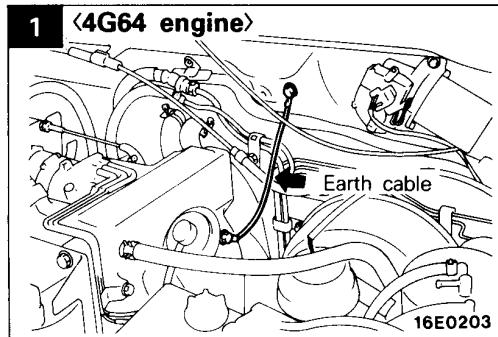
16E0219

EARTH CABLE

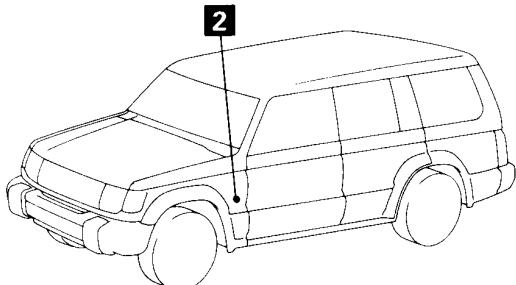
Engine compartment



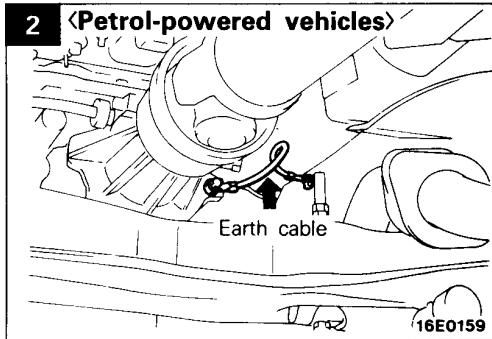
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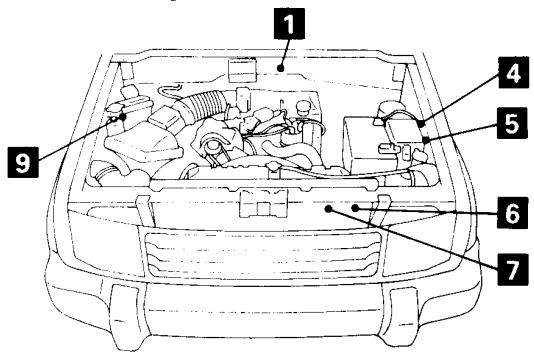


Under floor

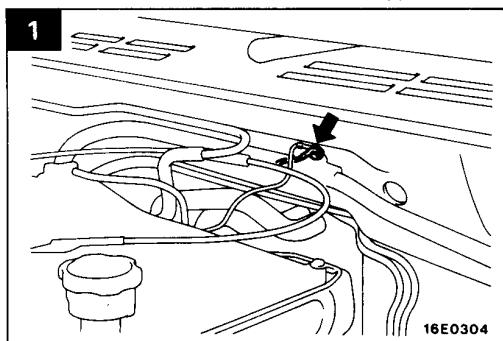


18E0003

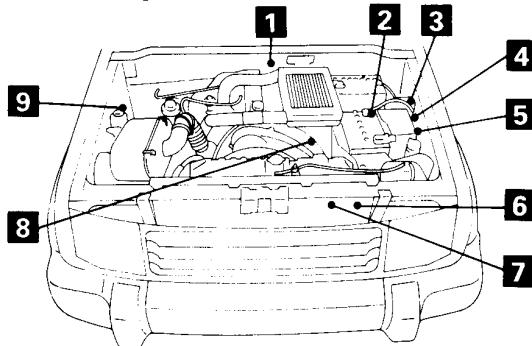


EARTH**Engine compartment****<Petrol-powered vehicles>**

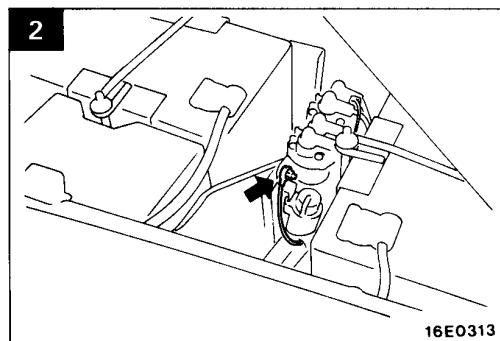
16E0128



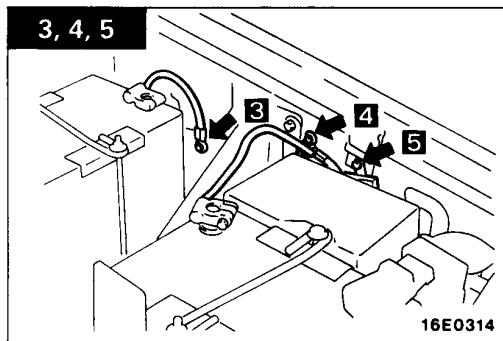
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<Diesel-powered vehicles>

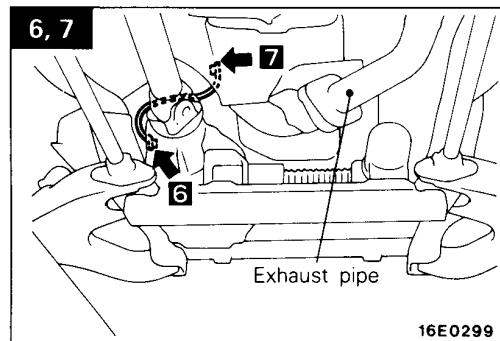
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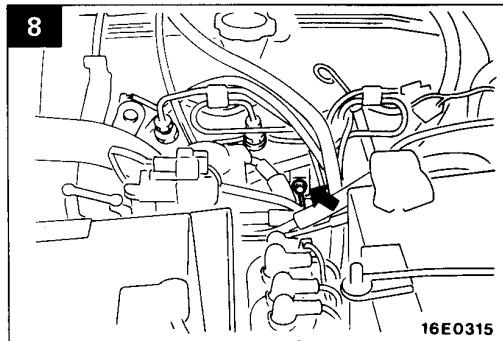
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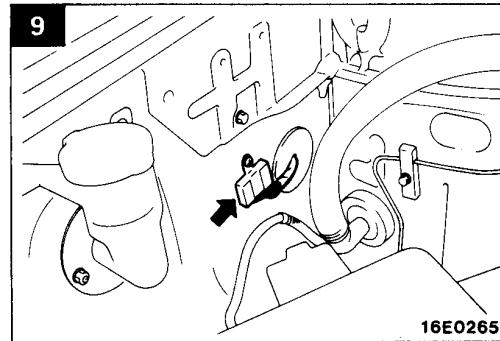
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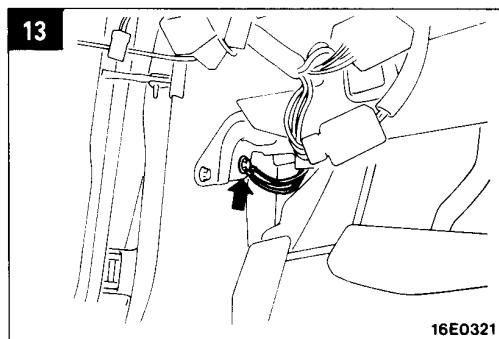
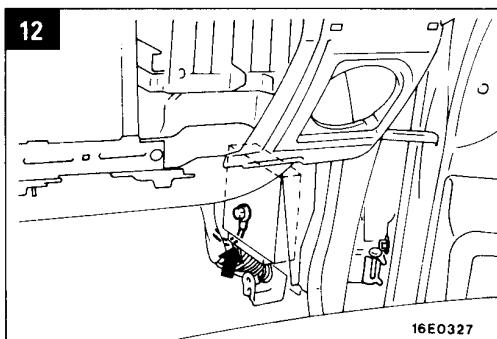
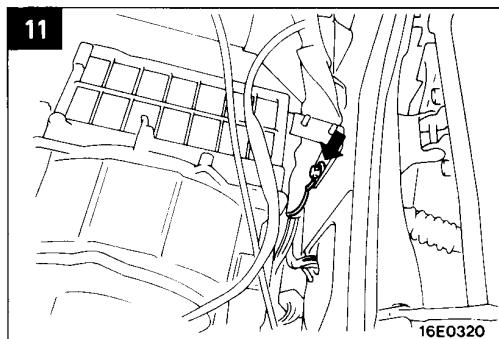
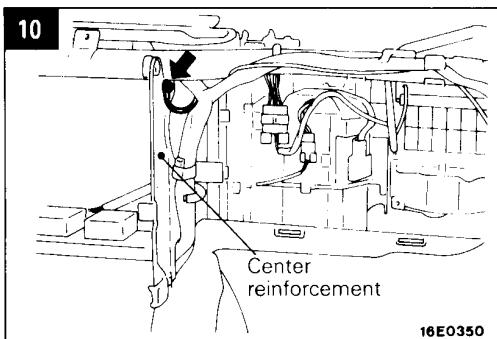
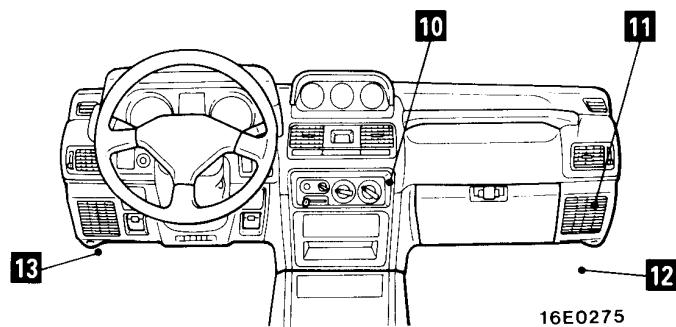
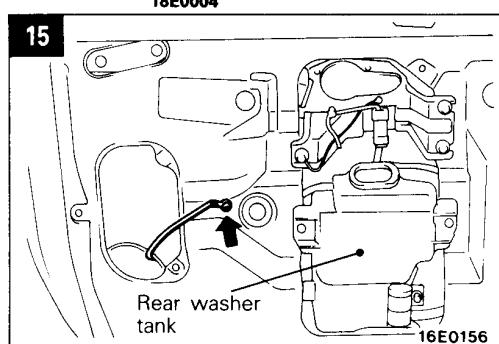
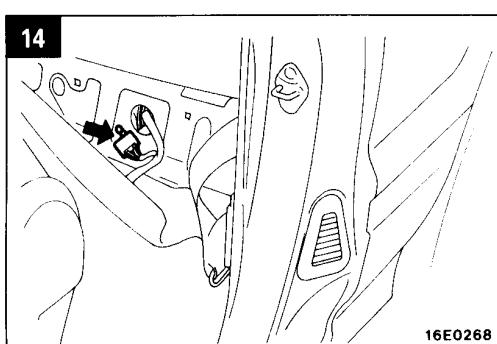
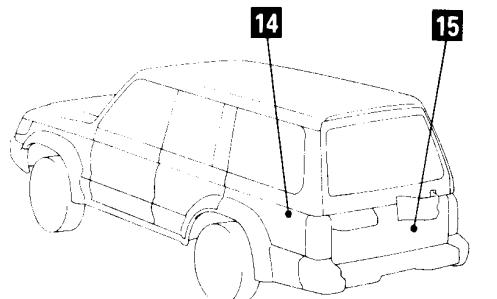
16E0299



16E0315



16E0265

Interior**Floor, Rear door**

4 CIRCUIT DIAGRAM

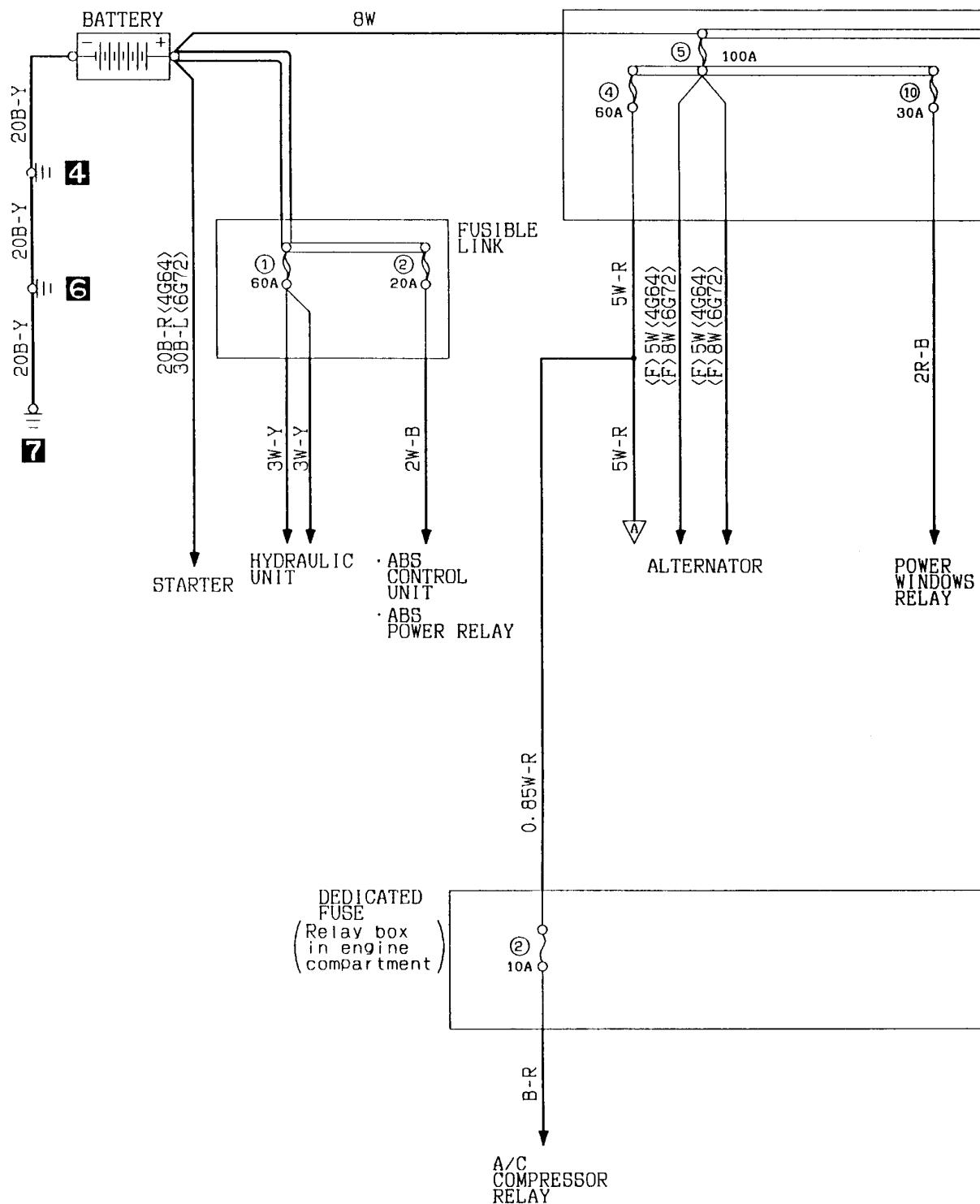
1 POWER DISTRIBUTION SYSTEM		
1-1 Petrol-powered vehicles	4-4	
1-2 Diesel-powered vehicles	4-10	
2 STARTING SYSTEM		
2-1 Petrol-powered vehicles	4-16	
2-2 Diesel-powered vehicles	4-17	
3 IGNITION SYSTEM		
3-1 4G64 engine	4-19	
3-2 6G72 engine	4-20	
4 CHARGING SYSTEM		
4-1 Petrol-powered vehicles	4-21	
4-2 Diesel-powered vehicles <2-door models>	4-22	
4-3 Diesel-powered vehicles <4-door models>	4-23	
5 GLOW SYSTEM		
5-1 Auto glow	4-26	
5-2 Super quick glow	4-27	
5-3 Super quick glow <with EGR system>	4-27-1	
5-4 Super quick glow <2-door models with EGR system>	4-27-3	
6 MPI SYSTEM		
6-1 4G64 engine	4-28	
6-2 6G72 engine <M/T>	4-32	
6-3 6G72 engine <A/T>	4-36	
7 OVERDRIVE CONTROL SYSTEM	4-40	
8 HEADLAMP		
8-1 L.H. drive vehicles without daytime running lamp <1991 MODELS>	4-44	
8-1 L.H. drive vehicles without daytime running lamp <1993 MODELS>	4-45-1	
8-2 L.H. drive vehicles with daytime running lamp <1991 MODELS>	4-46	
8-2 L.H. drive vehicles with daytime running lamp <1993 MODELS>	4-48-2	
8-3 R.H. drive vehicles <1991 MODELS>	4-50	
8-3 R.H. drive vehicles <1993 MODELS>	4-52-2	
9 HEADLAMP LEVELING SYSTEM		
9-1 L.H. drive vehicles	4-54	
9-2 R.H. drive vehicles	4-55	
10 TAIL LAMP, CLEARANCE LAMP, LICENSE PLATE LAMP	4-58	
11 REAR FOG LAMP		
11-1 L.H. drive vehicles <1991 MODELS>	4-60	
11-1 L.H. drive vehicles <1993 MODELS>	4-61-1	
11-2 R.H. drive vehicles <1991 MODELS>	4-62	
11-2 R.H. drive vehicles <1993 MODELS>	4-63-1	
12 ROOM LAMP		
12-1 Canvas top	4-66	
12-2 2-door models without sunroof	4-67	
12-3 2-door models with sunroof	4-68	
12-4 4-door models	4-69	
13 TURN-SIGNAL LAMP AND HAZARD LAMP	4-70	
14 STOP LAMP	4-73	
15 BACK-UP LAMP		
15-1 M/T	4-74	
15-2 A/T	4-75	
16 HORN	4-76	
17 METER AND GAUGE		
17-1 4G64 engine	4-78	
17-2 6G72, 4D56 engine	4-80	
18 WARNING LAMP		
18-1 4G64 engine	4-83	
18-2 6G72, 4D56 engine	4-86	
19 INDICATOR LAMP	4-91	
20 MULTI-METER		
20-1 Vehicles without electronic compass	4-95	
20-2 Vehicles with electronic compass	4-96	
21 POWER WINDOW		
21-1 L.H. drive vehicles <2-door models>	4-98	
21-2 R.H. drive vehicles <2-door models>	4-99	
21-3 L.H. drive vehicles <4-door models>	4-100	
21-4 R.H. drive vehicles <4-door models>	4-102	
22 CENTRAL DOOR LOCKING SYSTEM	4-106	
23 HEATER		
23-1 Vehicles with rear heater <with dual air conditioner>	4-108	
23-2 Vehicles with rear heater <without dual air conditioner>	4-111	
23-3 Vehicles without rear heater	4-114	
24 SINGLE AIR CONDITIONER		
24-1 Petrol-powered vehicles	4-116	
24-2 Diesel-powered vehicles	4-118	
25 DUAL AIR CONDITIONER		
25-1 Petrol-powered vehicles with rear heater	4-121	
25-2 Petrol-powered vehicles without rear heater	4-127	
25-3 Diesel-powered vehicles with rear heater	4-131	
25-4 Diesel-powered vehicles without rear heater	4-138	
26 WINDSHIELD WIPER AND WASHER	4-144	
27 REAR WIPER AND WASHER	4-146	
28 HEADLAMP WASHER	4-148	
29 DEFOGGER	4-150	
30 REMOTE CONTROLLED MIRROR	4-151	
31 AUDIO		
31-1 AM/FM radio without cassette player	4-153	
31-2 AM/FM, LW/MW/FM radio with cassette player	4-154	
32 CLOCK	4-156	

33 CIGARETTE LIGHTER	4-157
34 SUNROOF		
34-1 Metal top	4-158
34-2 Canvas top	4-159
35 ACCESSORY SOCKET	4-160
36 INTERCOOLER FAN	4-161
37 REAR DIFFERENTIAL LOCK SYSTEM	4-162
38 SUPER SELECT 4WD SYSTEM	4-164
39 REMOTE CONTROLLED VARIABLE SHOCK ABSORBER SYSTEM	4-166
40 HEATED SEAT	4-168
41 ANTI-SKID BRAKE SYSTEM	4-170
42 AUTO-CRUISE CONTROL		
42-1 Petrol-powered vehicles	4-174
42-2 Diesel-powered vehicles	4-178
43 JUNCTION BLOCK	4-182
44 CENTRALIZED JUNCTION	4-184
45 LIGHTING MONITOR BUZZER	4-188
46 FUEL LINE HEATER	4-190

NOTES

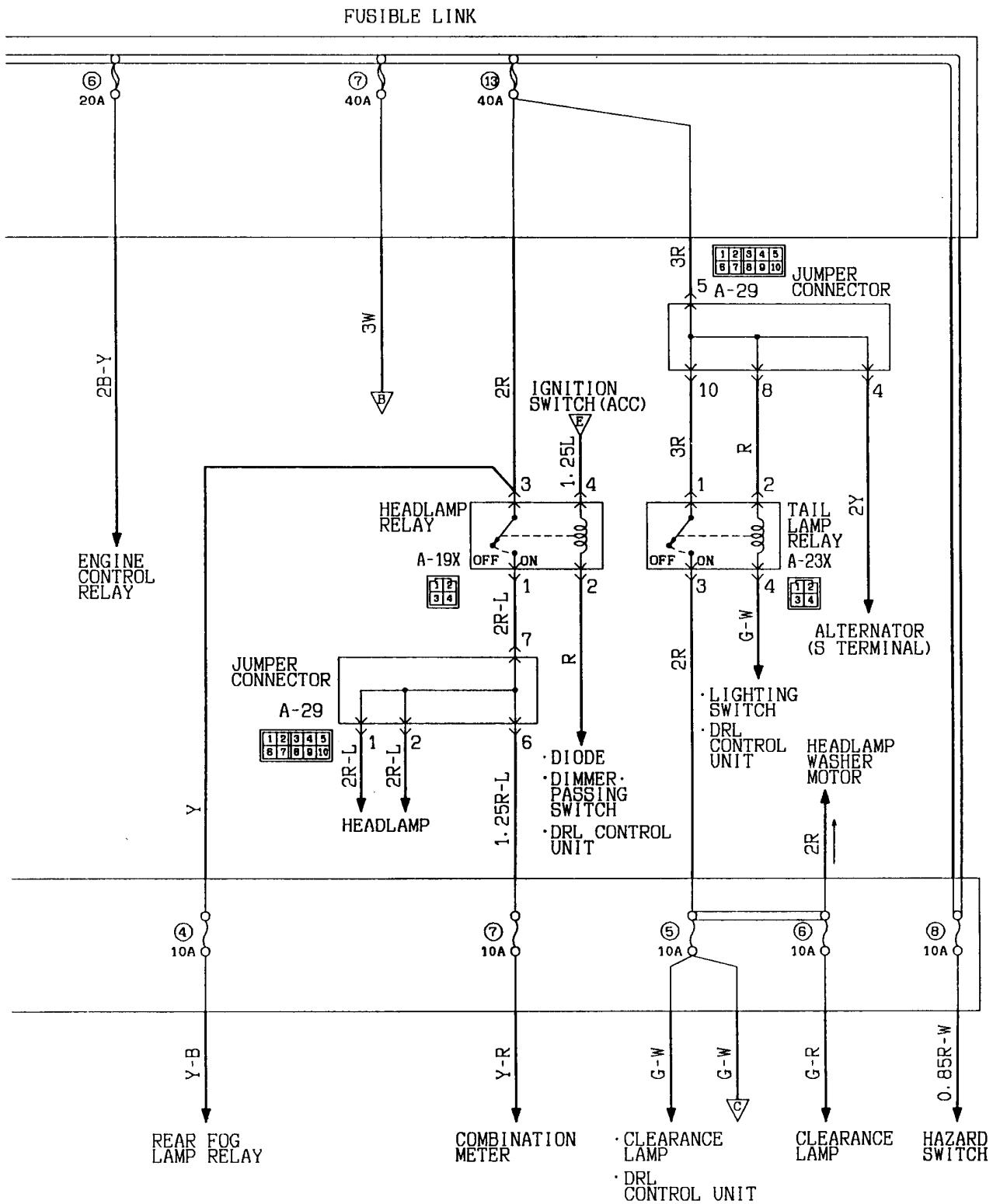
1 POWER DISTRIBUTION SYSTEM

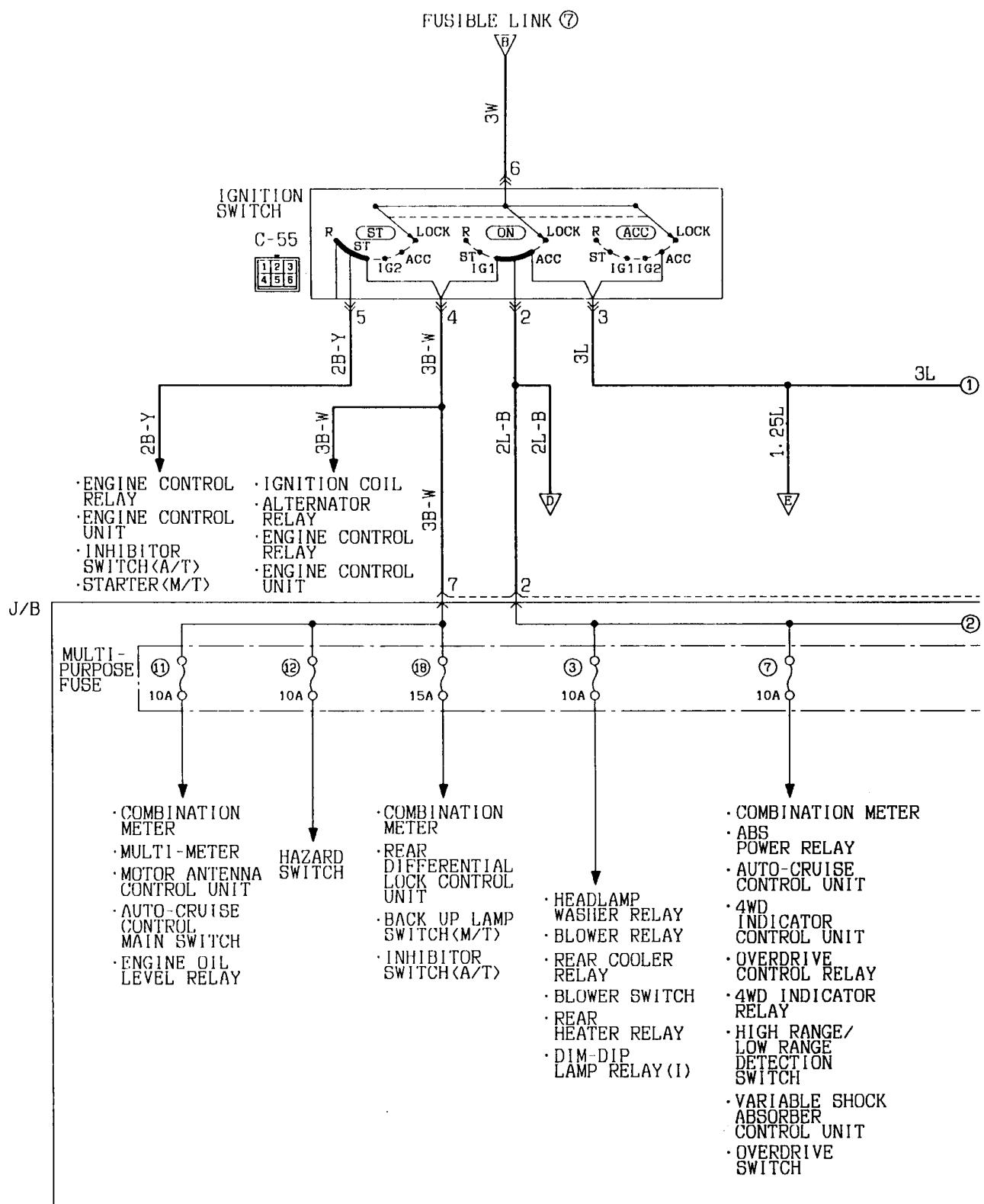
1-1 Petrol-powered vehicles



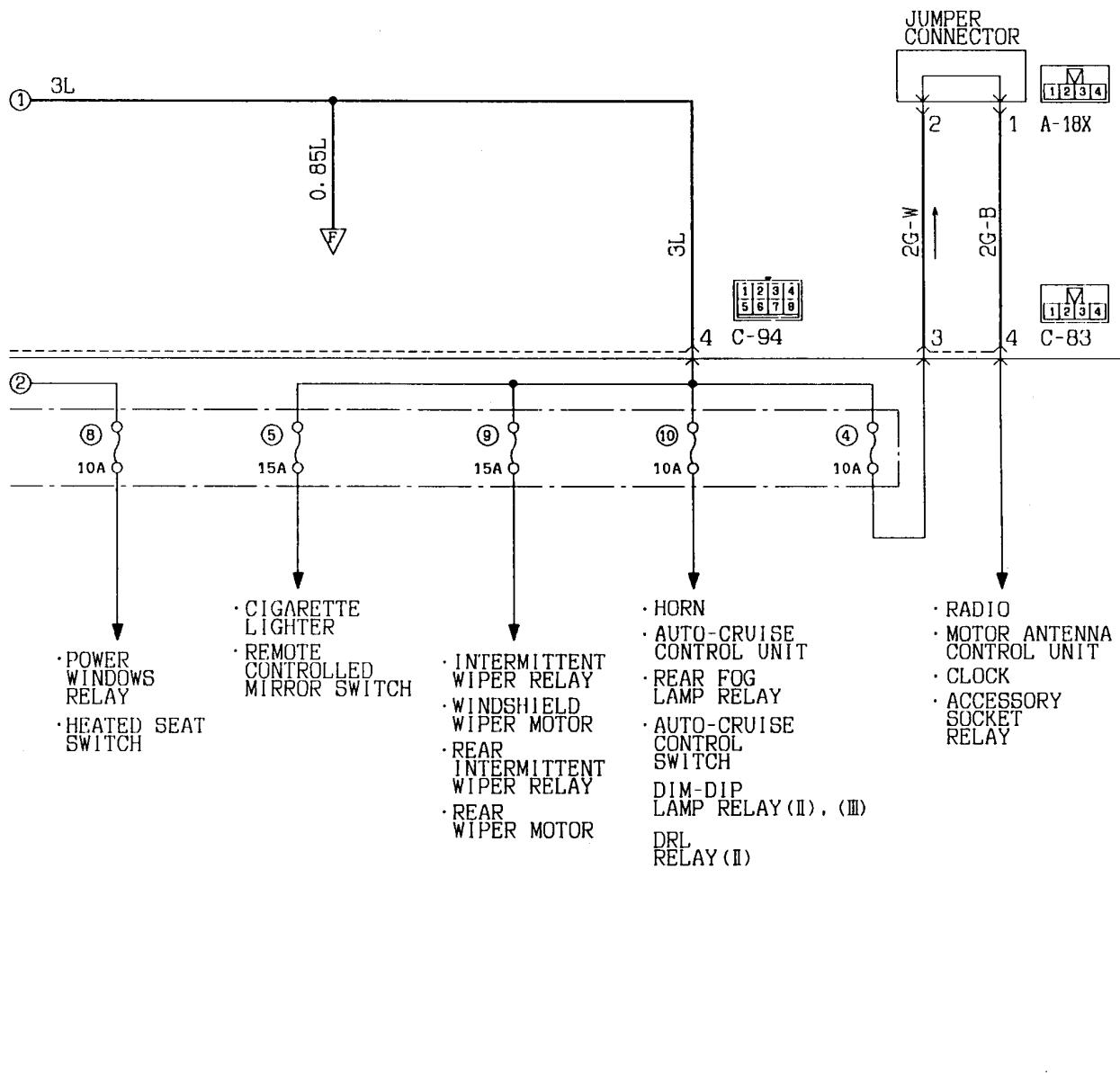
Wire colour code

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	

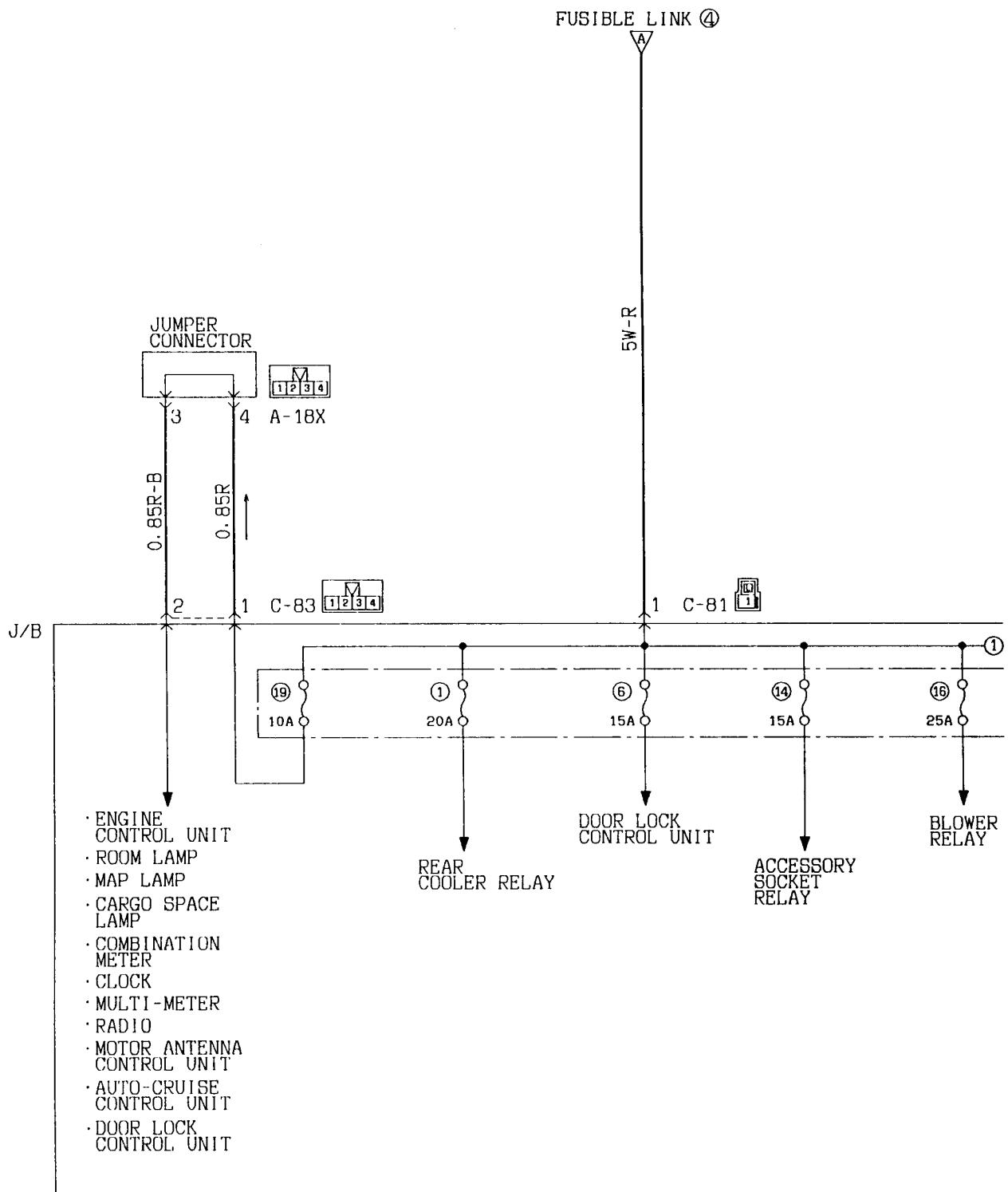


**Remark**

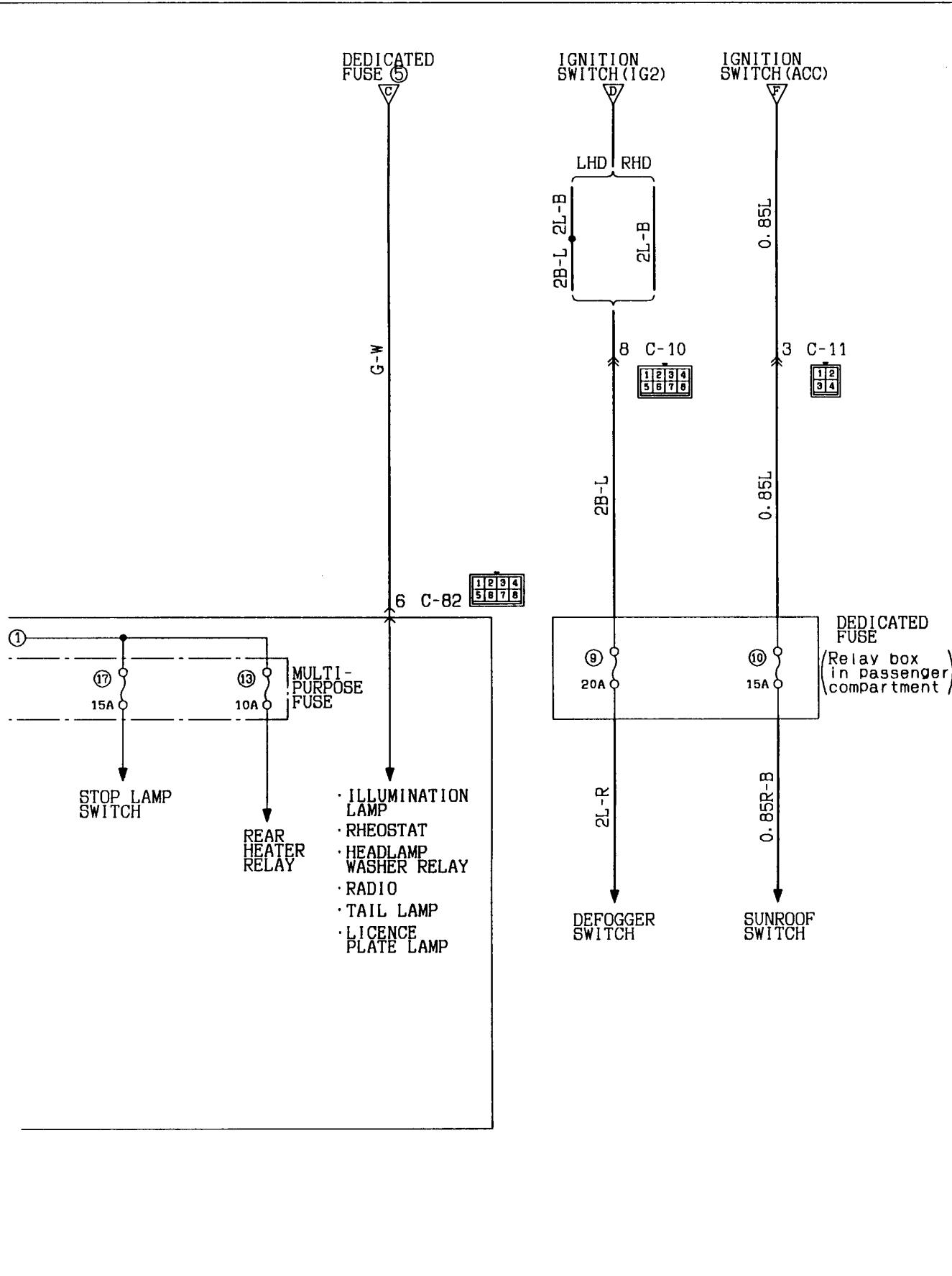
The above circuit diagram shows the current flow at the Ignition key position "ACC", "ON" and "ST" combined. Be sure trace the appropriate circuit depending on the ignition key position.



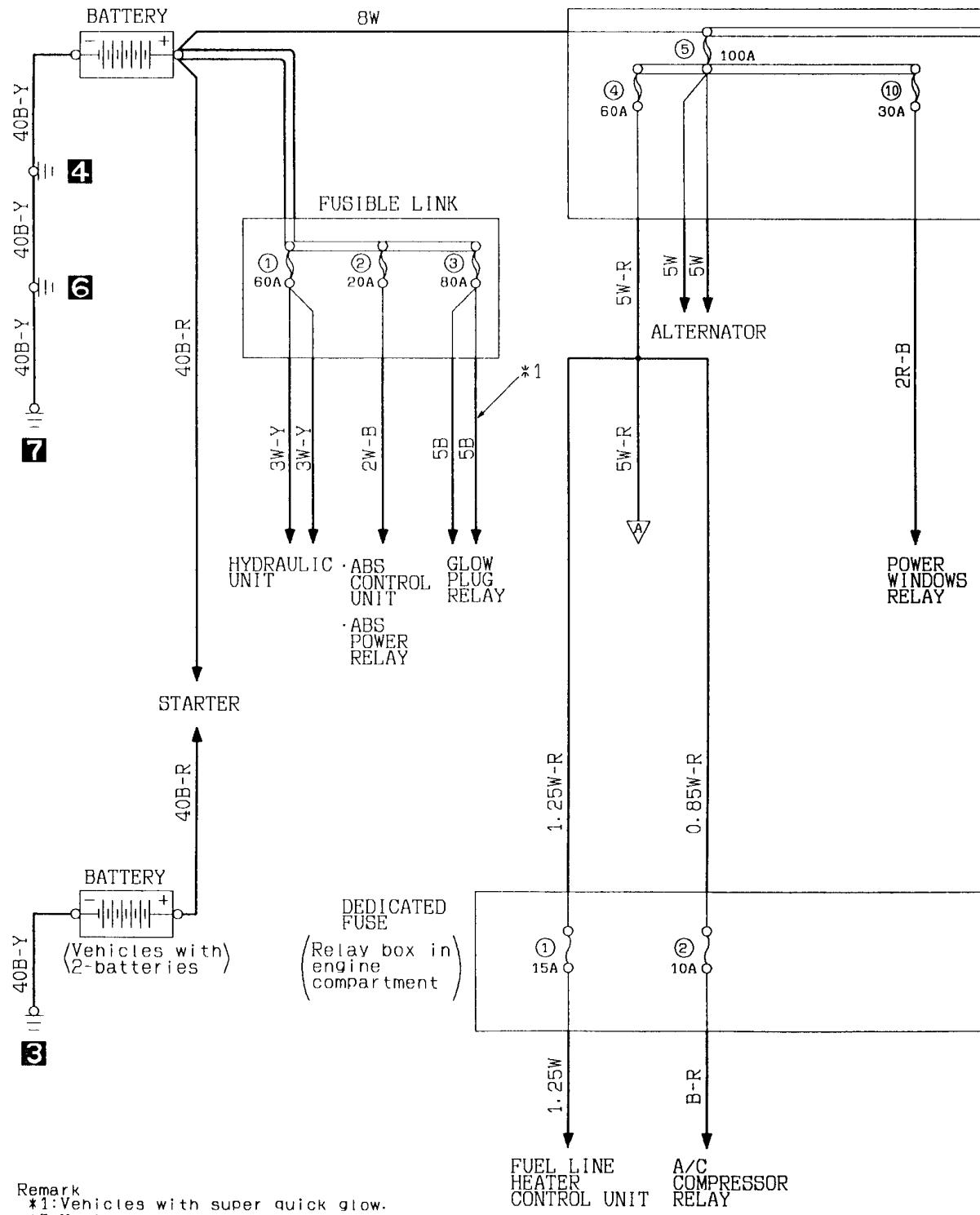
Wire colour code
 B:Black LG:Light green G:Green L:Blue
 BR:Brown O:Orange GR:Gray R:Red W:White Y:Yellow SB:Sky blue
 P:Pink V:Violet



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



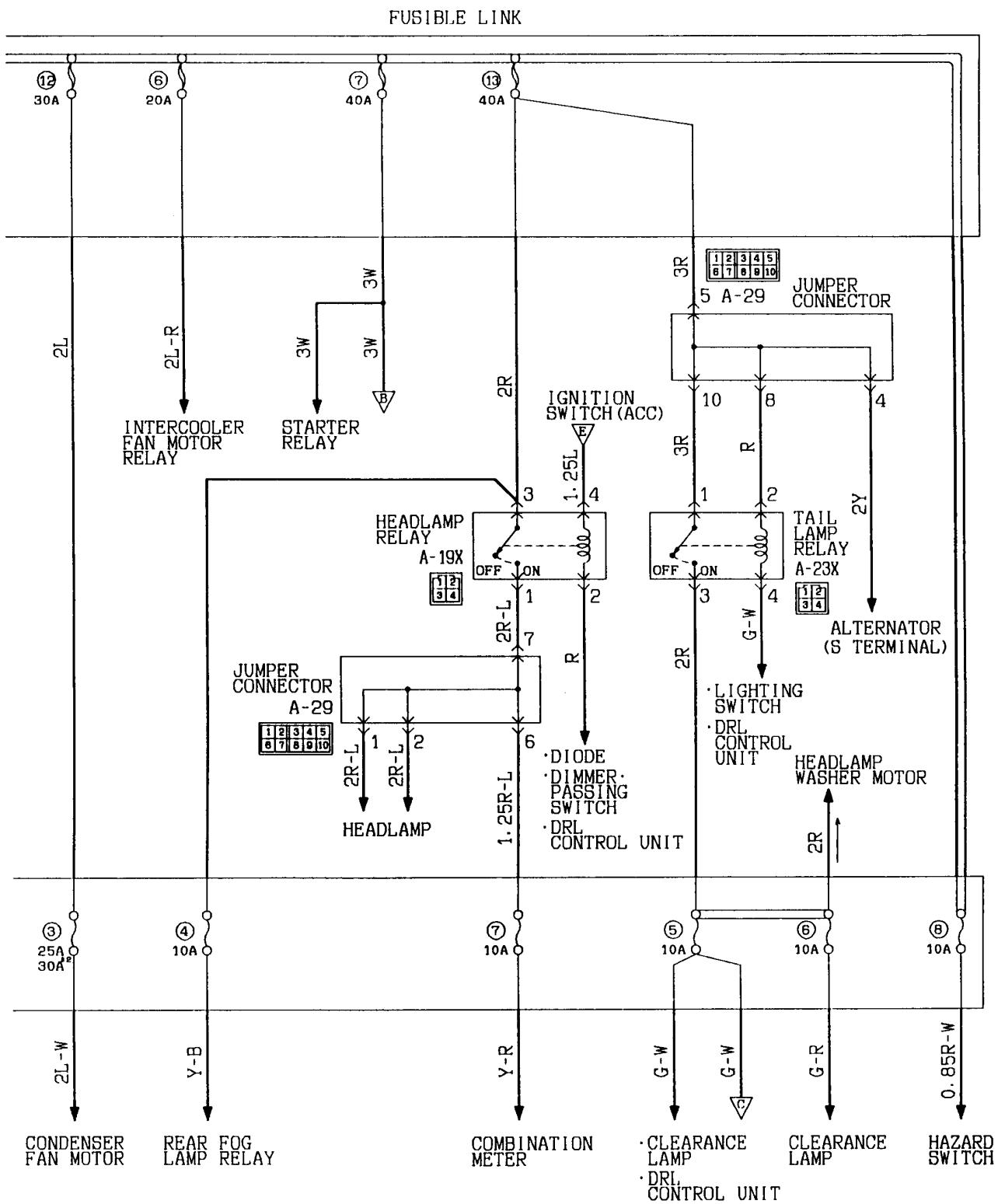
1-2 Diesel-powered vehicles

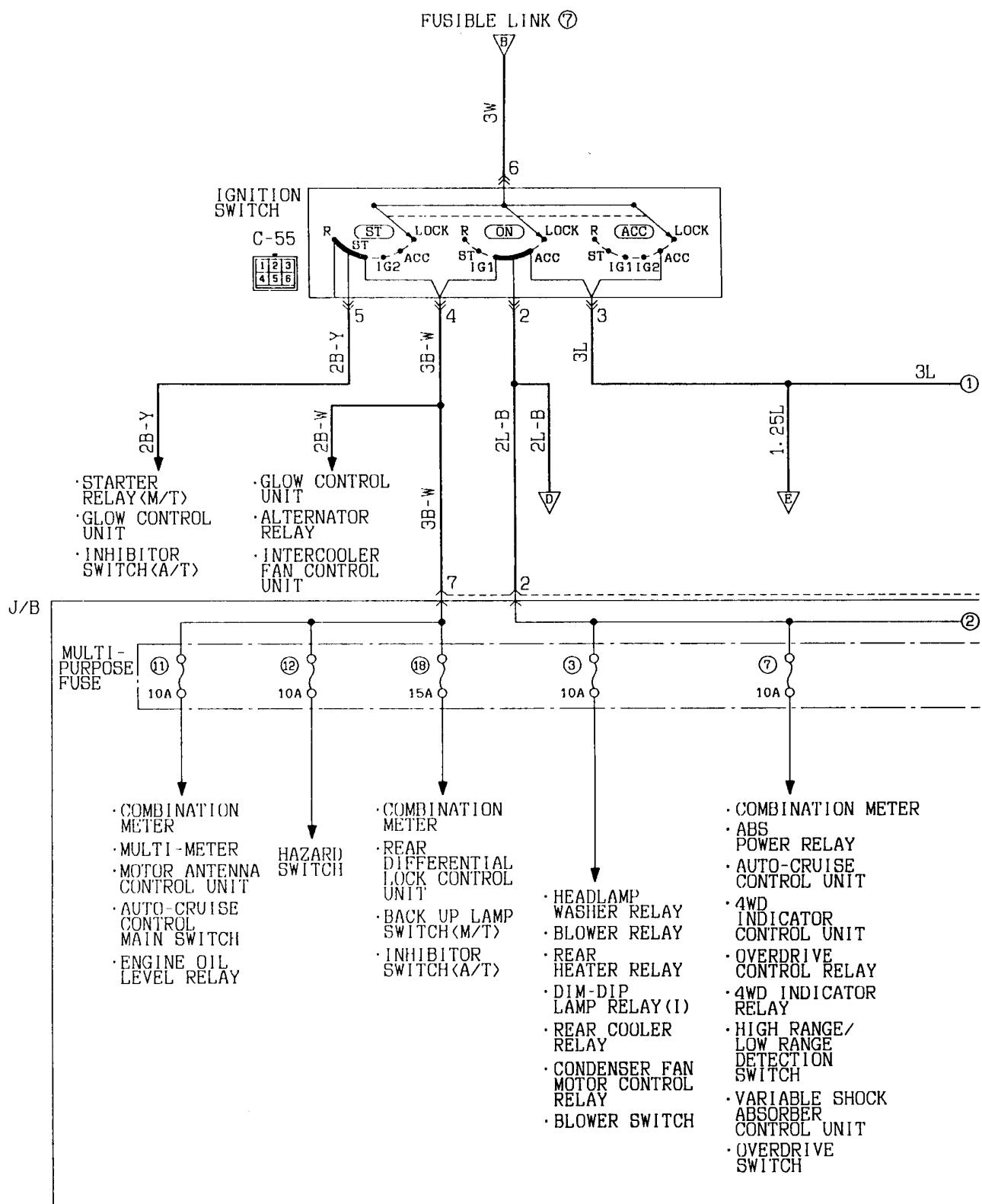


Remark

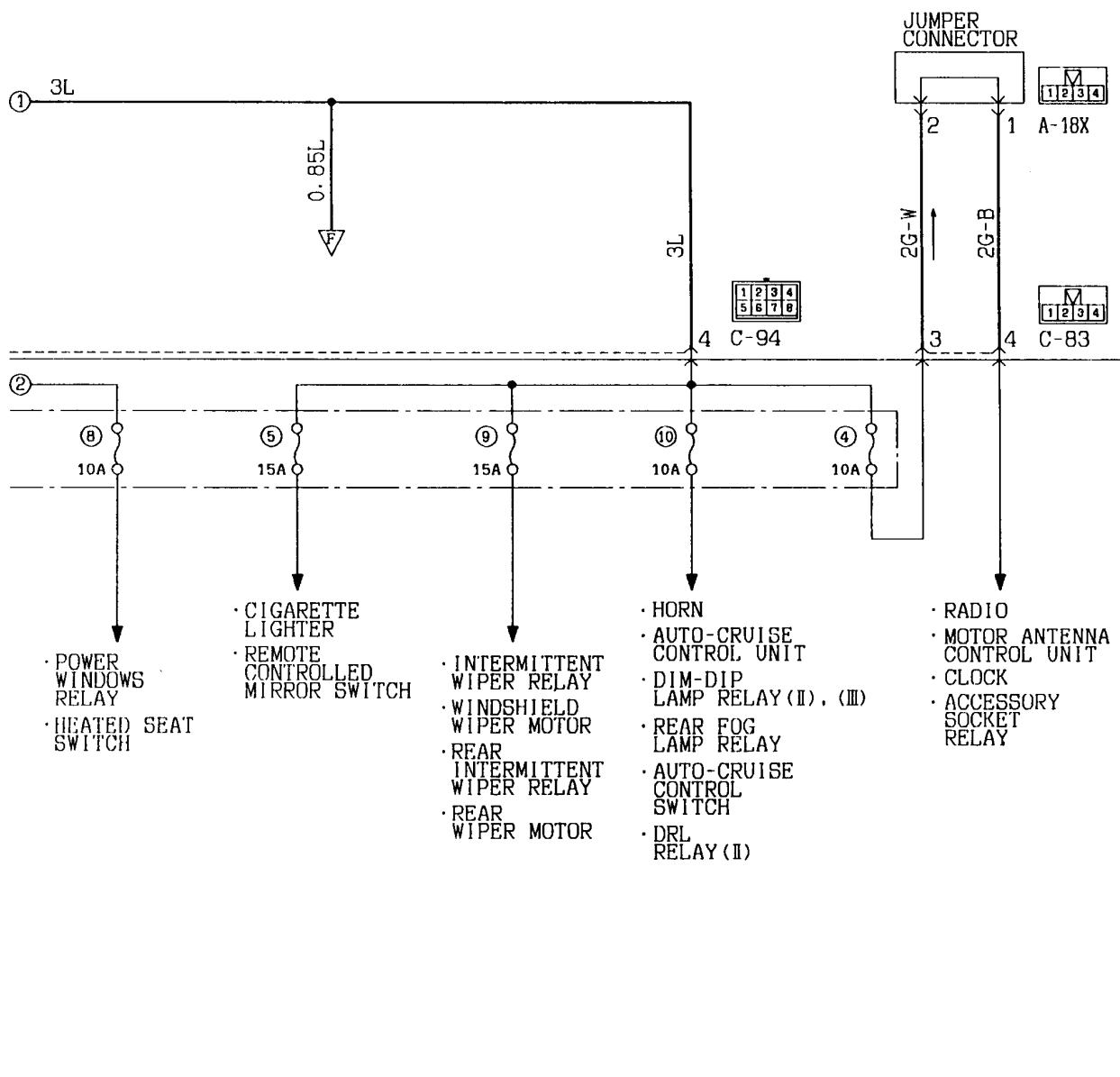
*1:Vehicles with super quick glow.
*2:Vehicles with dual air conditioner.

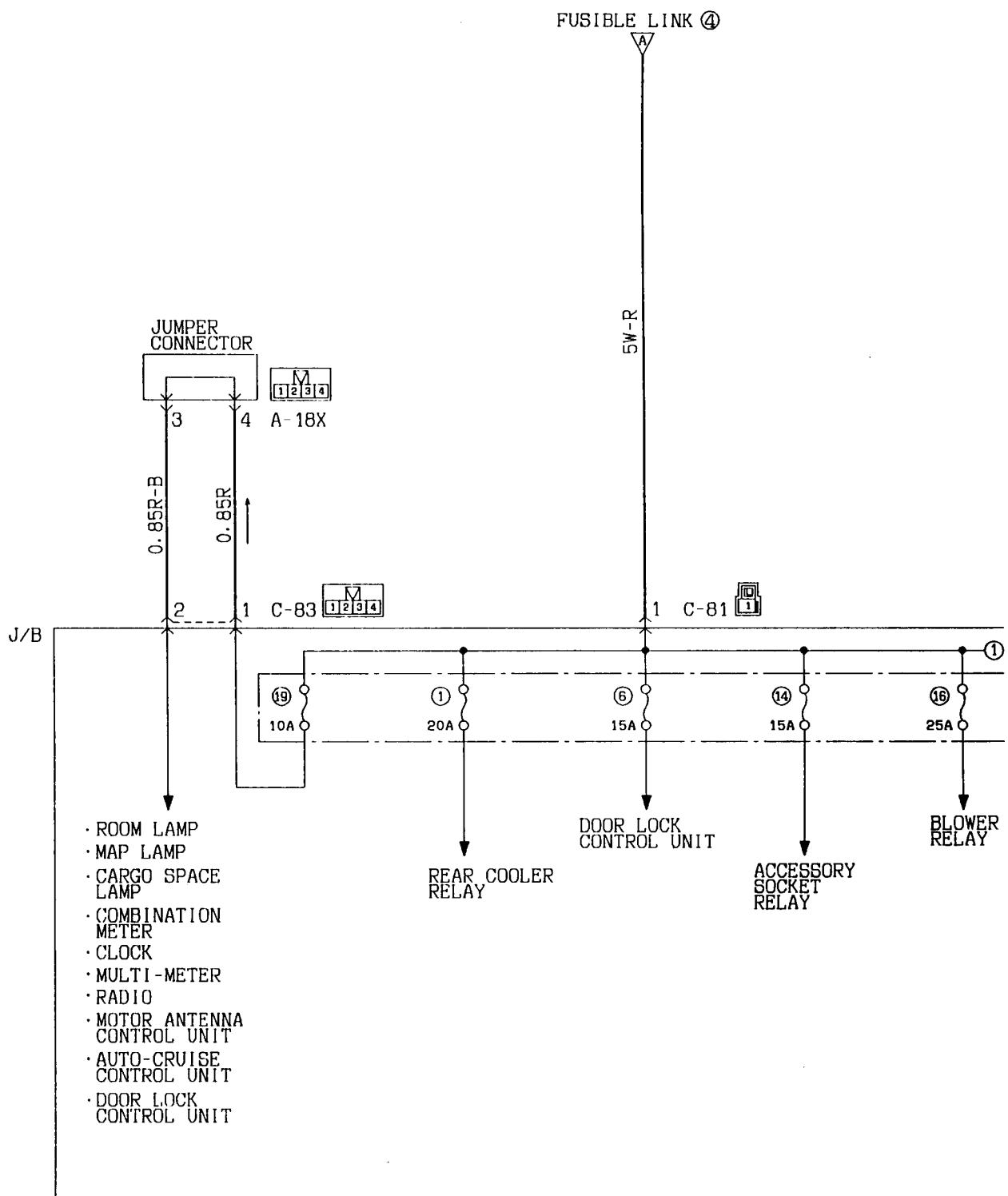
Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

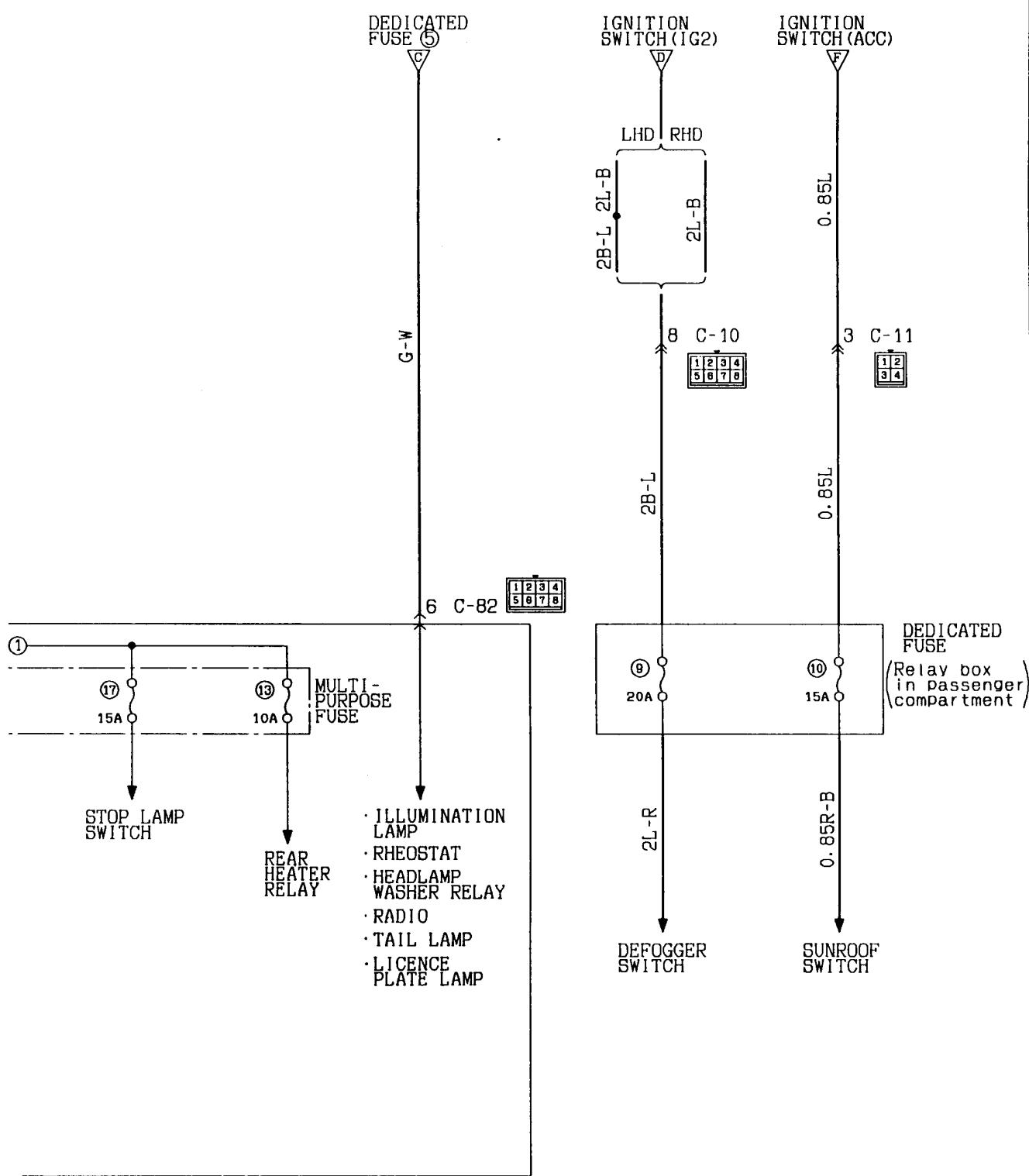


**Remark**

The above circuit diagram shows the current flow at the ignition key position "ACC", "ON" and "ST" combined.
Be sure trace the appropriate circuit depending on the ignition key position.

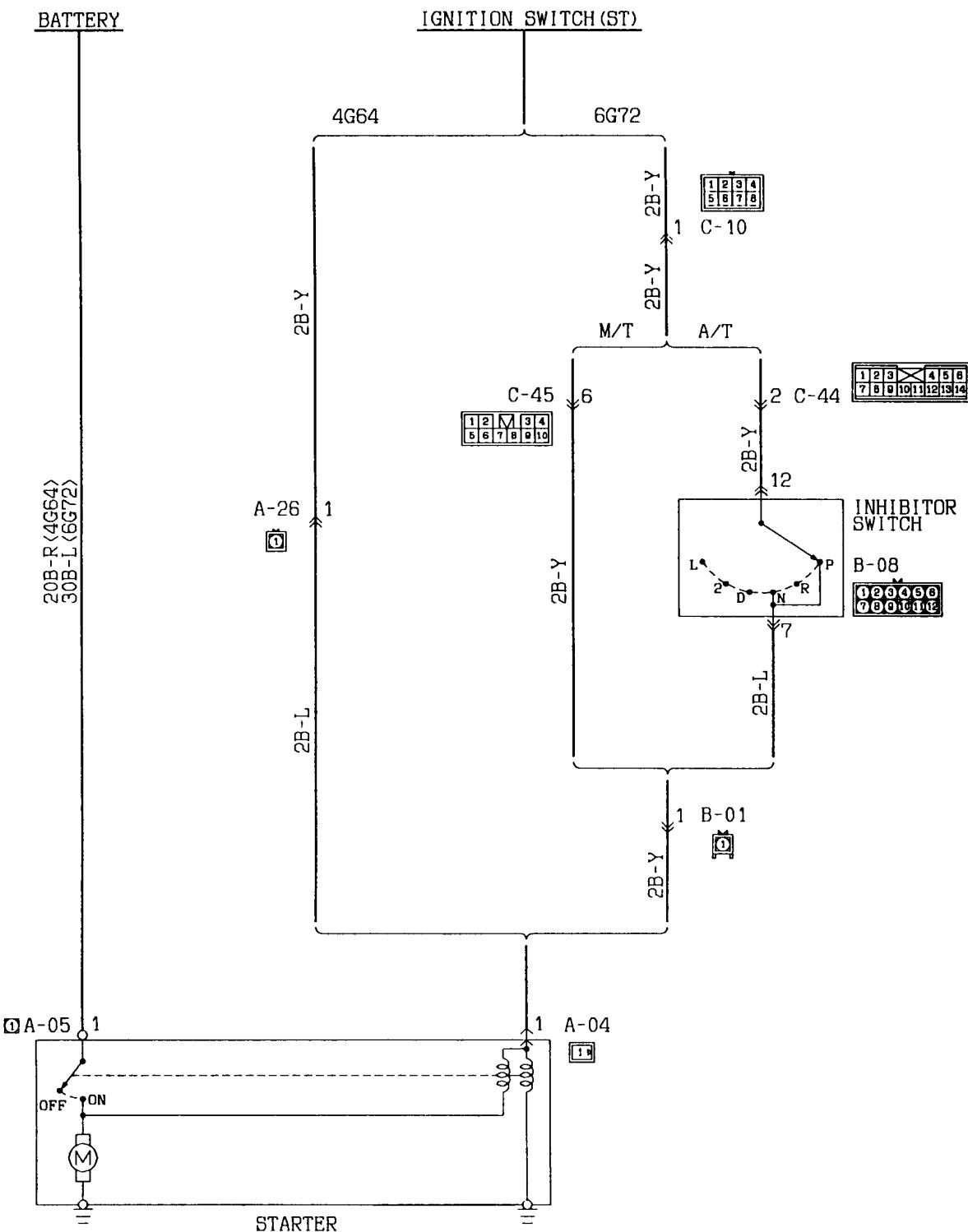






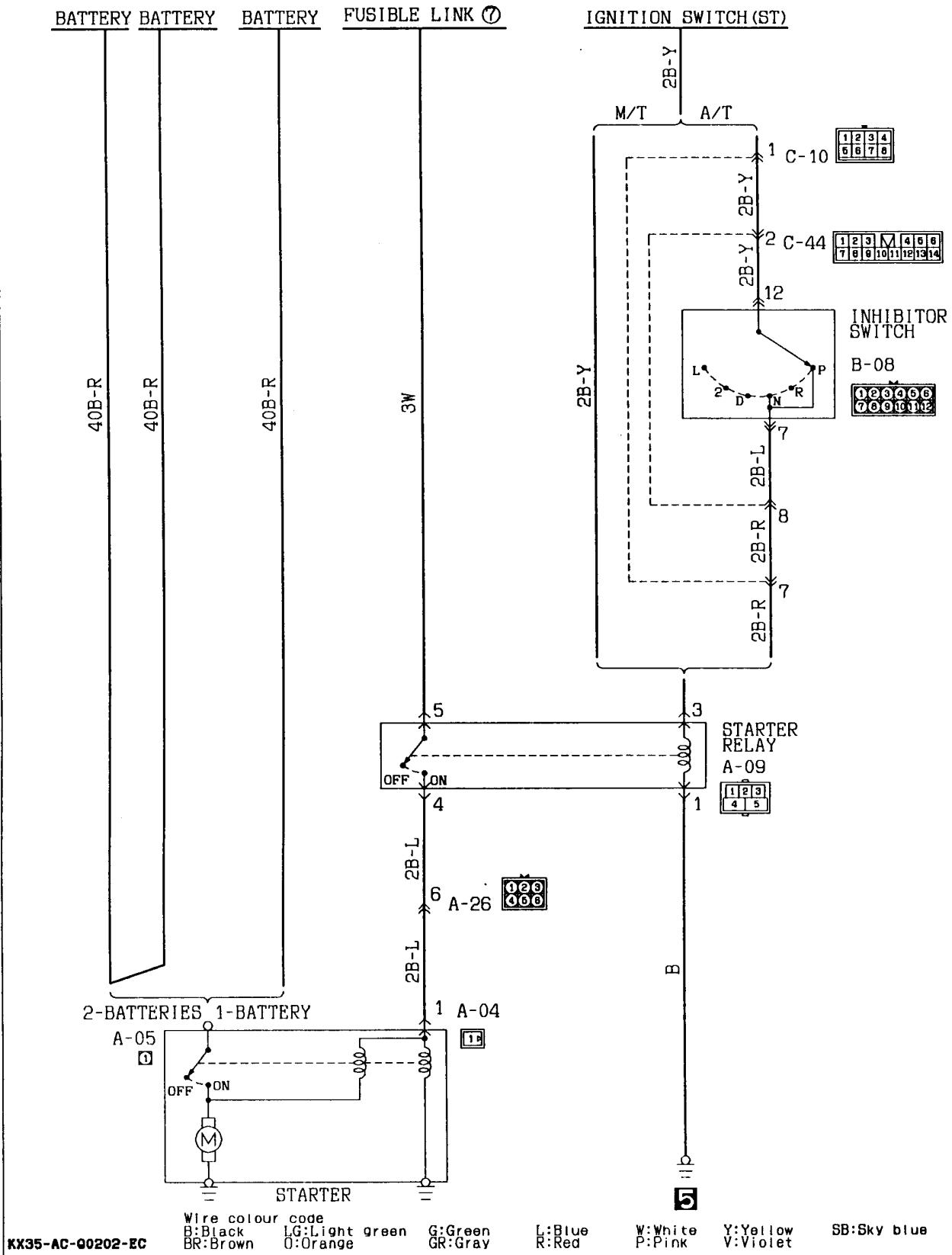
2 STARTING SYSTEM

2-1 Petrol-powered 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

2-2 Diesel-powered vehicles



STARTING SYSTEM (See P. 4-16, 17.)**OPERATION****<Petrol-powered vehicles>**

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

<Diesel-powered vehicles>

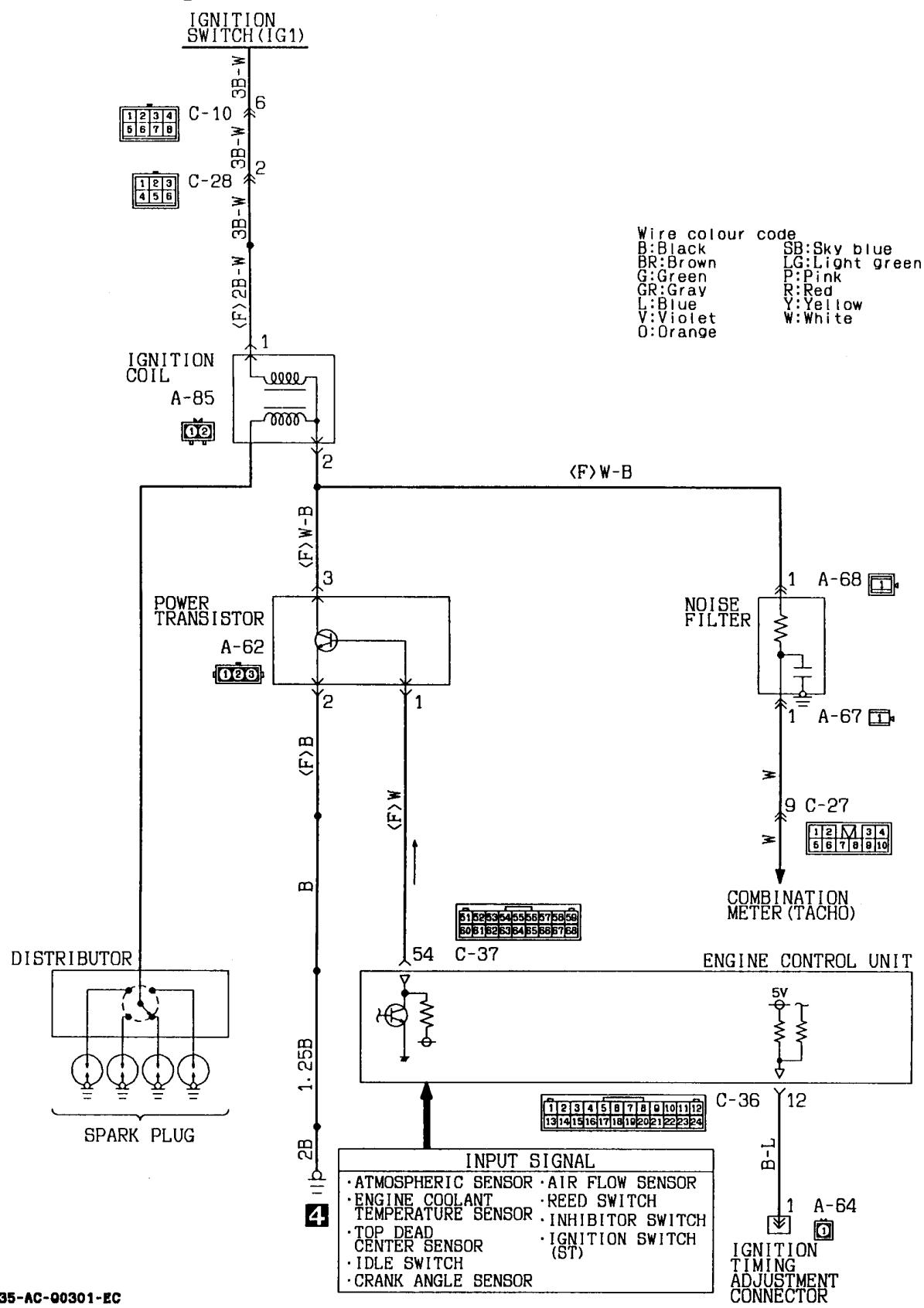
- On vehicles with automatic transmission, placing the ignition switch in the ST position with the selector lever in P or N position, the starter relay becomes on. This will turn on the contacts of the starter (magnetic switch) to revolve the starter motor.

TROUBLESHOOTING HINTS

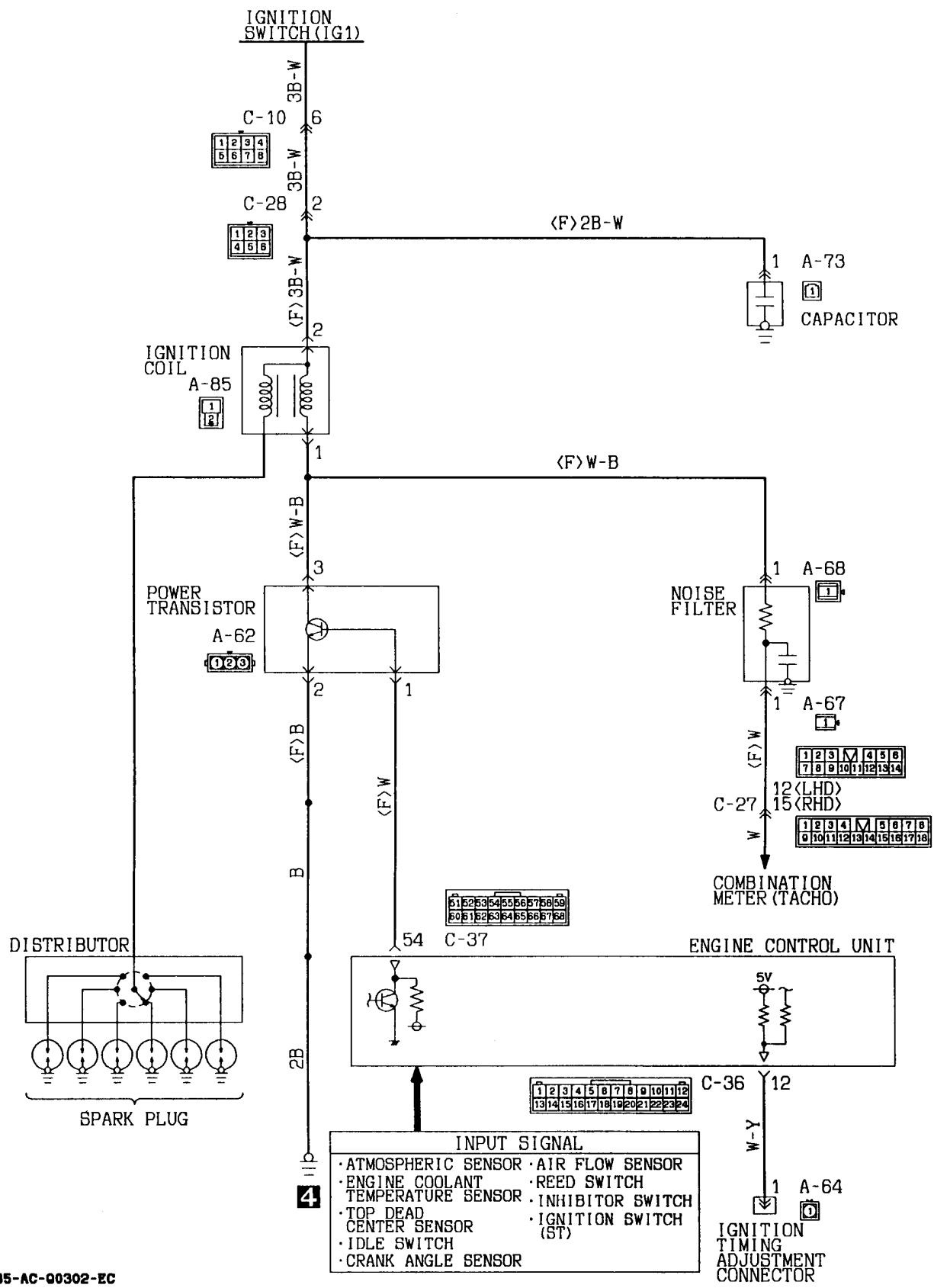
1. Starter motor does not turn over at all.
 - Check starter (coil).
 - Check battery terminals for proper contact.
2. Starter motor does not stop rotating.
 - Check starter (magnet switch).

3 IGNITION SYSTEM

3-1 4G64 engine

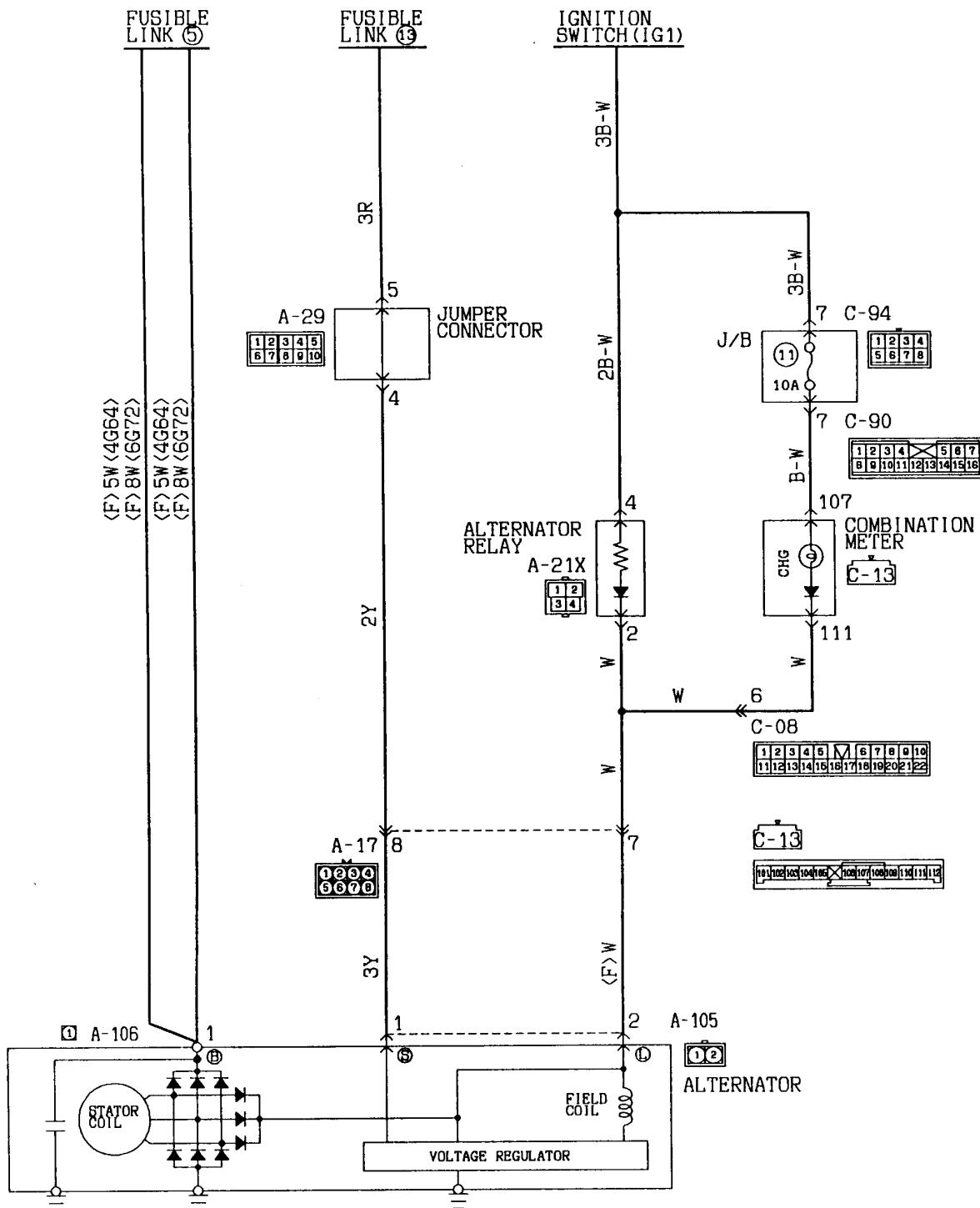


3-2 6G72 engine



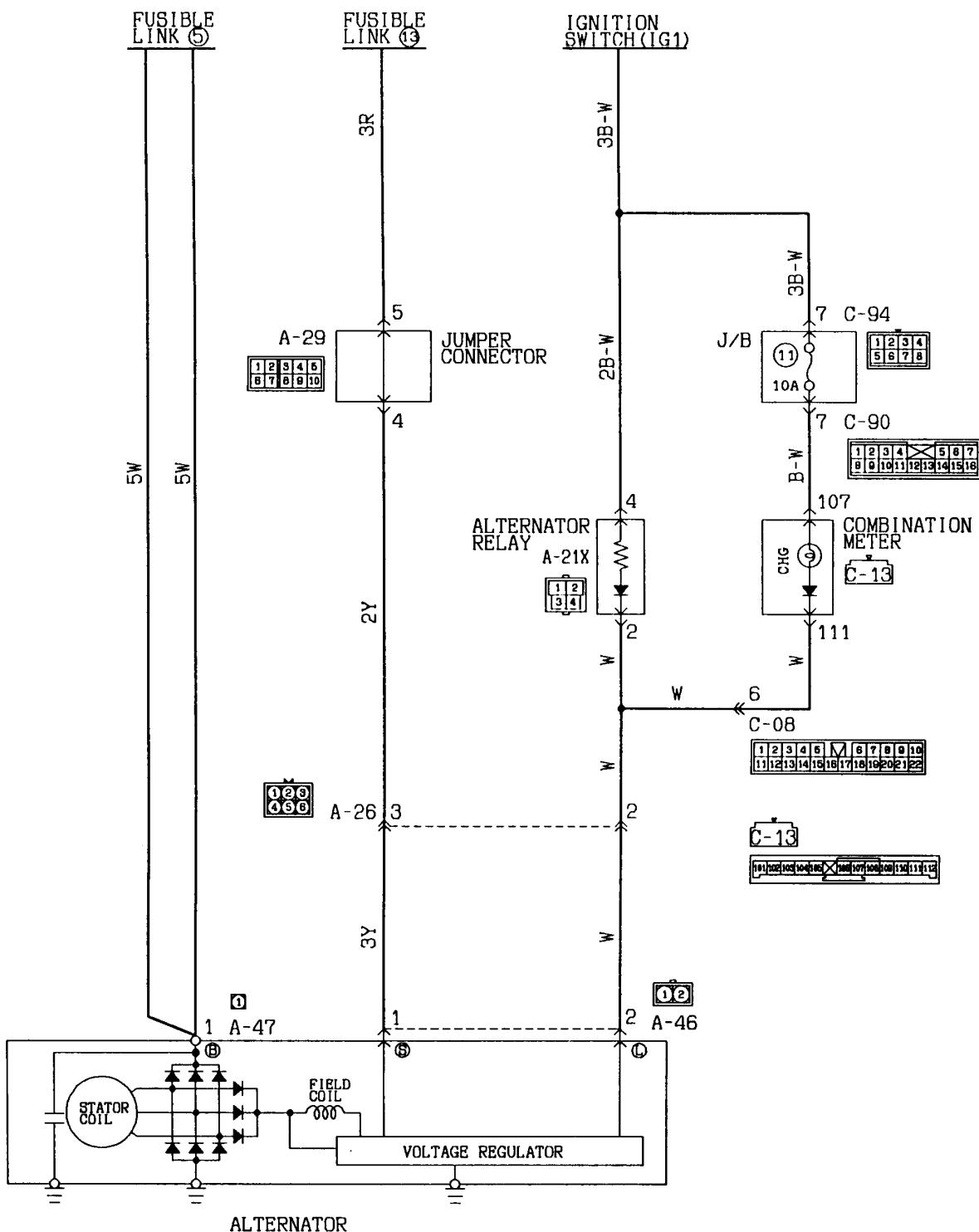
4 CHARGING SYSTEM

4-1 Petrol-powered vehicles



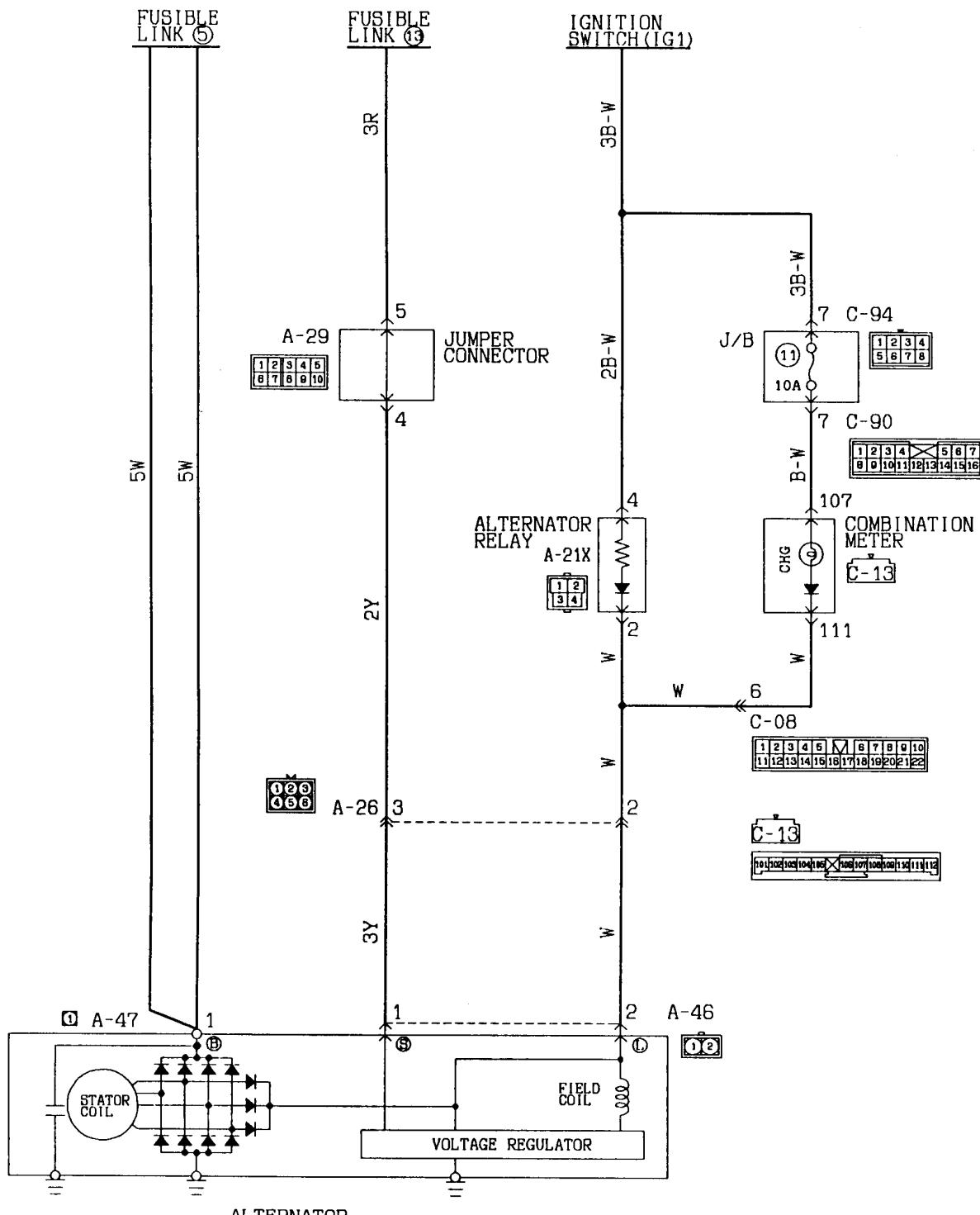
Wire colour code
 B:Black L:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

4-2 Diesel-powered vehicles<2-door models>



KX35-AC-00402-EC 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

4-3 Diesel-powered vehicles<4-door models>



Wire colour code
 B:Black L: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

CHARGING SYSTEM (See P. 4-21, 22, 23.)**OPERATION****When engine is stationary**

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

When engine is started and after engine has started

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

Remark

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

TROUBLESHOOTING HINTS

1. Charging indicator lamp does not go on when the ignition switch is turned to "ON", before the engine starts.
 - Check the bulb.
2. Charging indicator lamp fails to go off once the engine starts.
 - Check voltage regulator of alternator.
3. Discharged or overcharged battery.
 - Check voltage regulator of alternator.
4. Charge warning lamp lights up dimly.
 - Check combination meter diode (for short).

NOTES

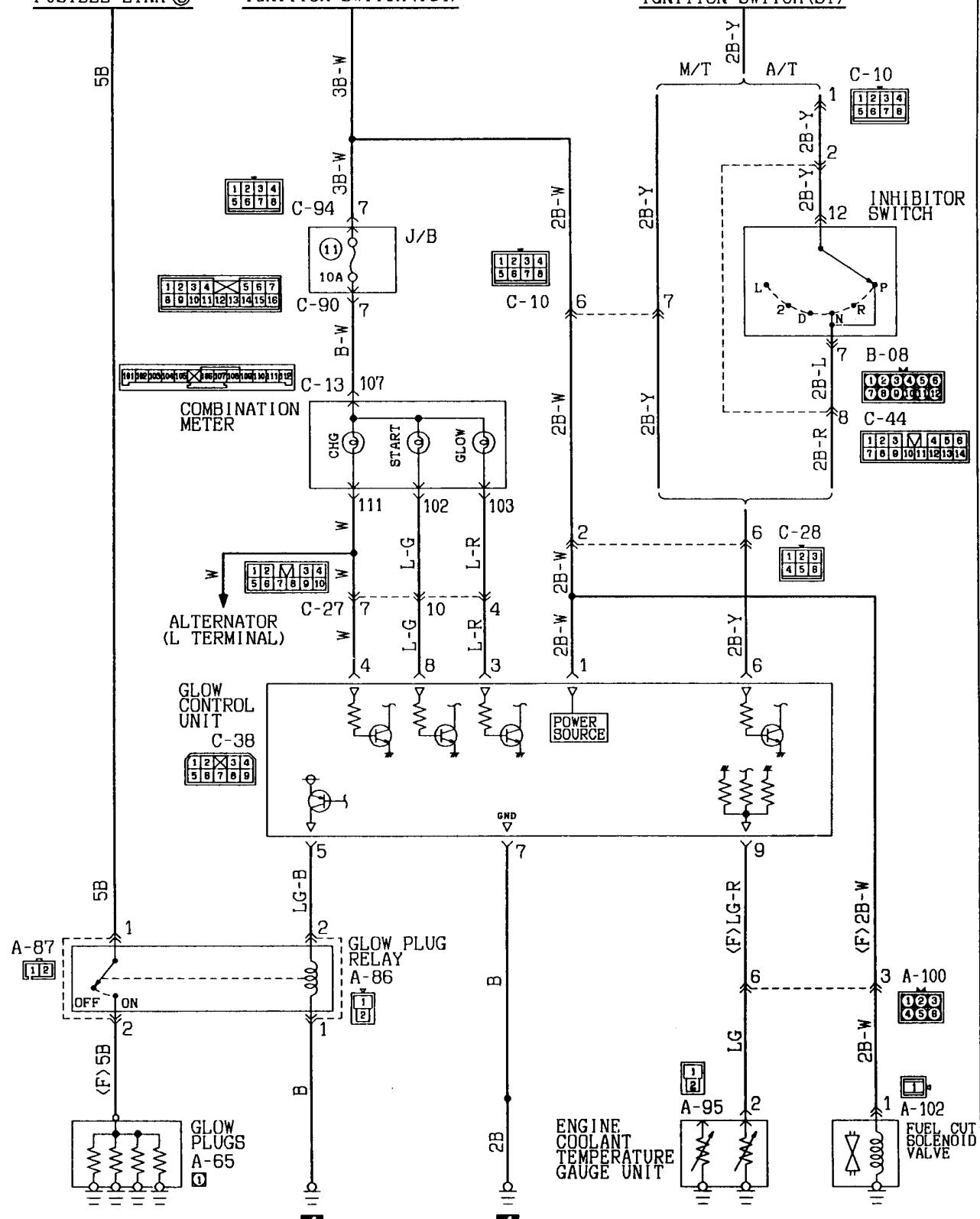
5 GLOW SYSTEM

5-1 Auto glow

FUSIBLE LINK ③

IGNITION SWITCH (IG1)

IGNITION SWITCH (ST)



Wire colour code

B:Black	LG:Light green	G:Green
BR:Brown	O:Orange	GR:Gray

L:Blue

R:Red

W:White

P:Pink

Y:Yellow

V:Violet

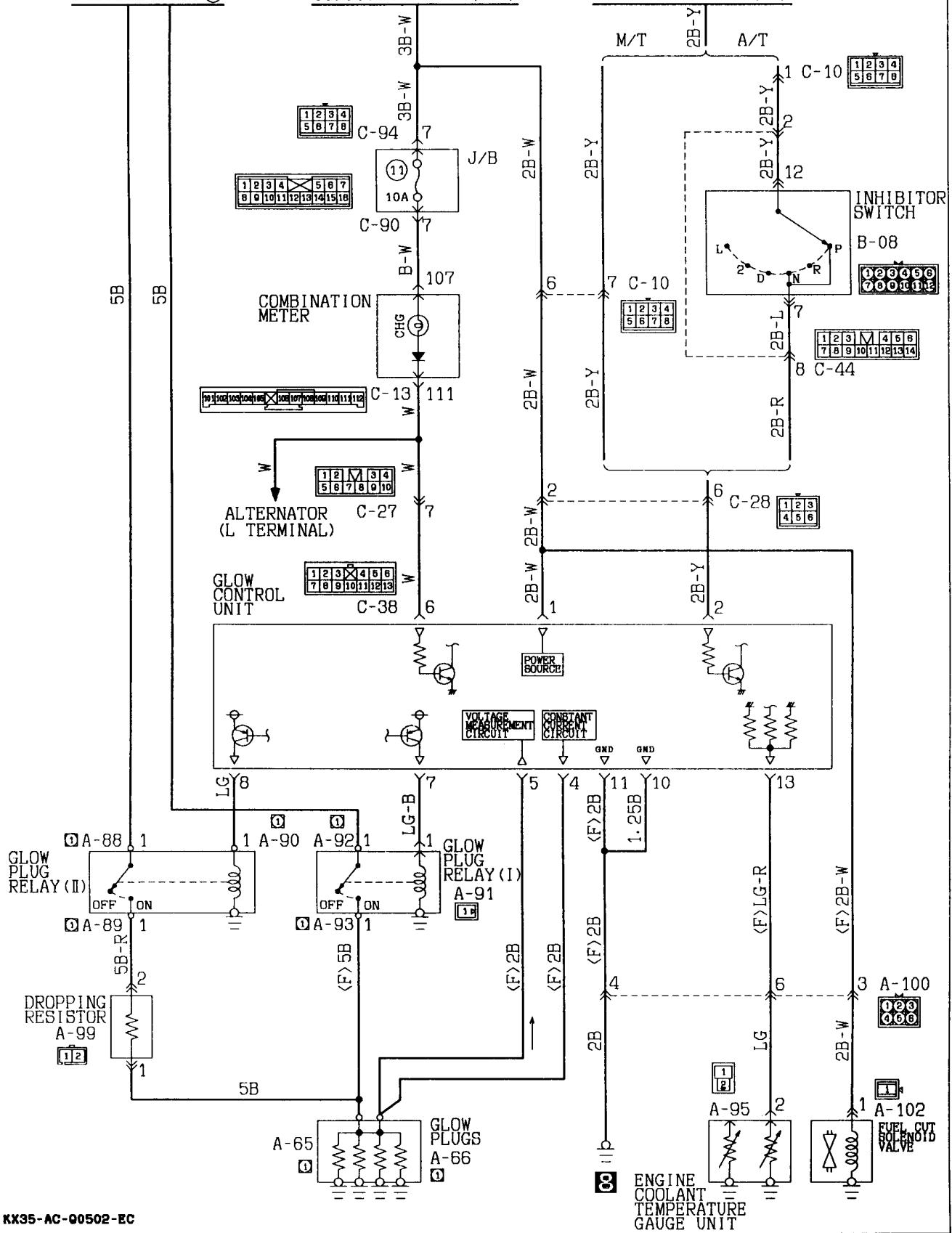
SB:Sky blue

5-2 Super quick glow

FUSIBLE LINK (3)

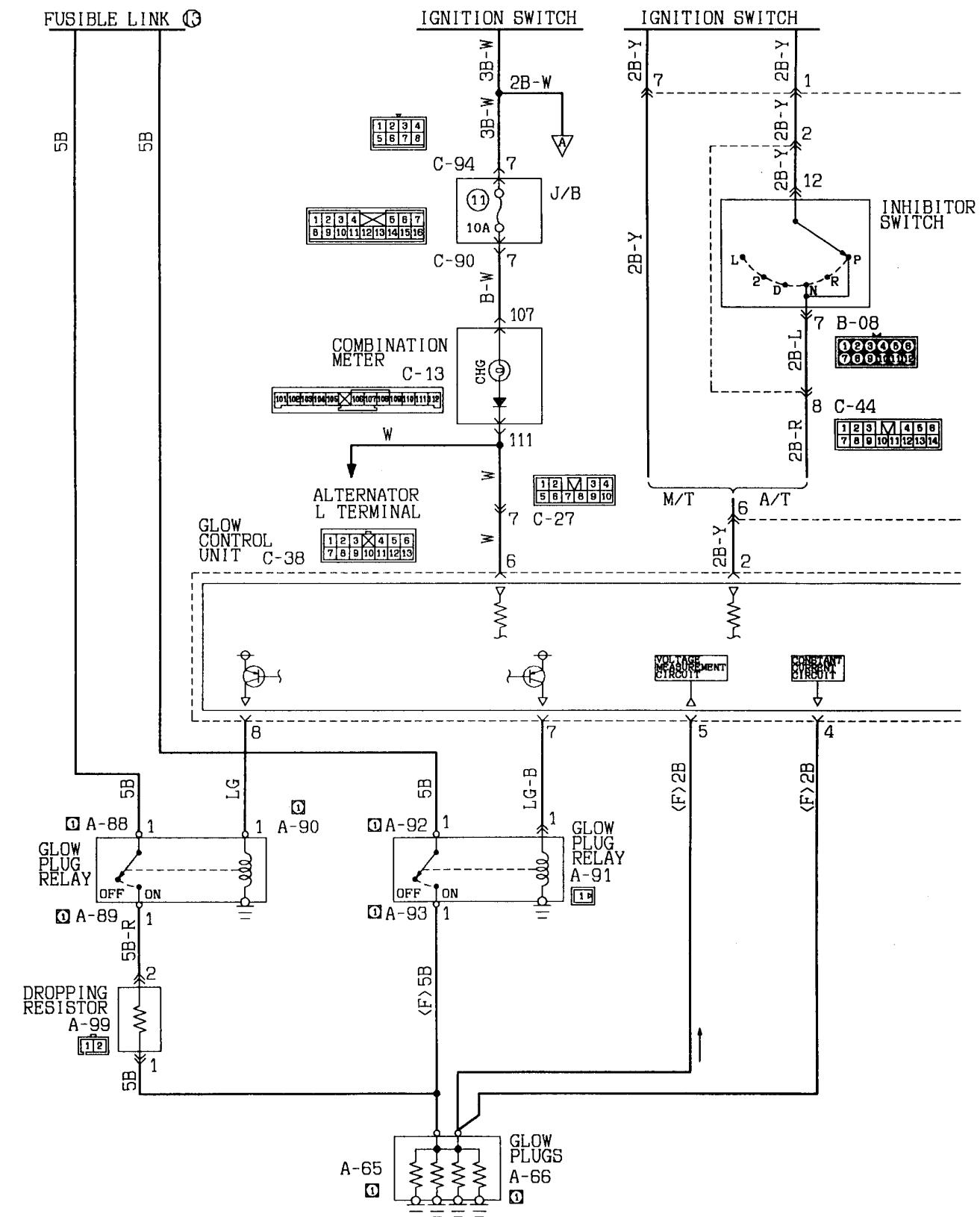
IGNITION SWITCH (IG1)

IGNITION SWITCH (ST)

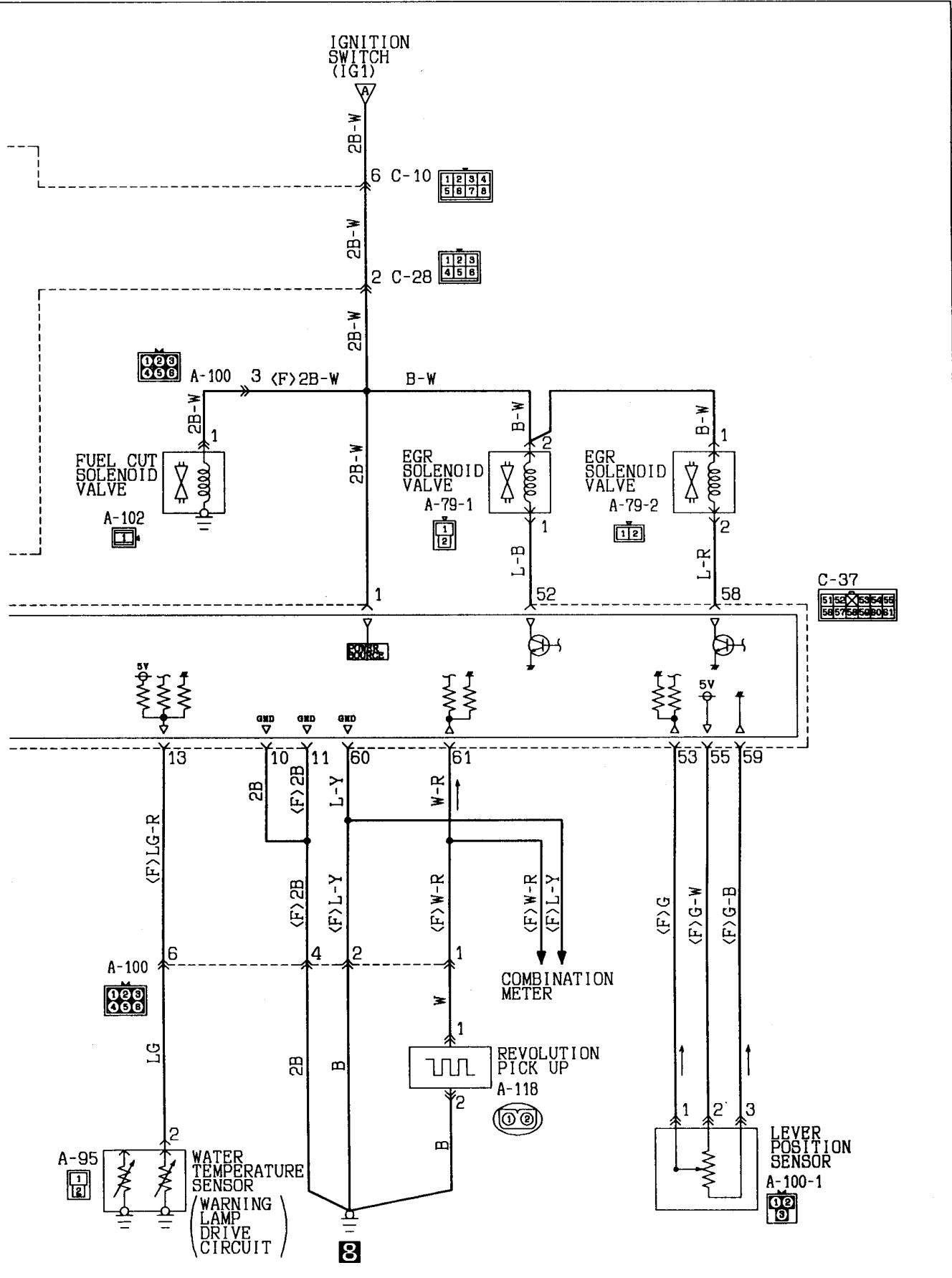


KX35-AC-00502-EC

5-3 Super quick glow<with EGR system>

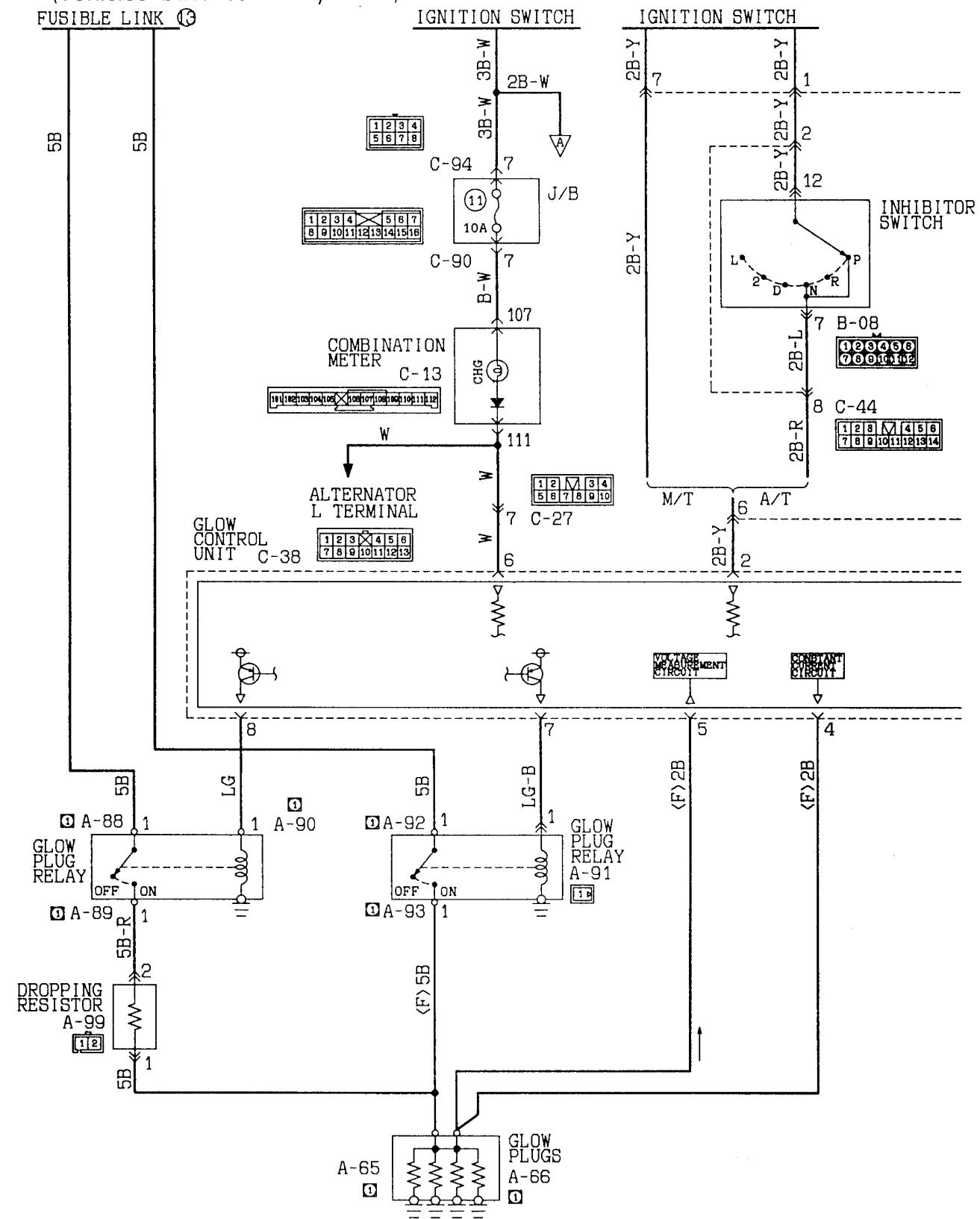


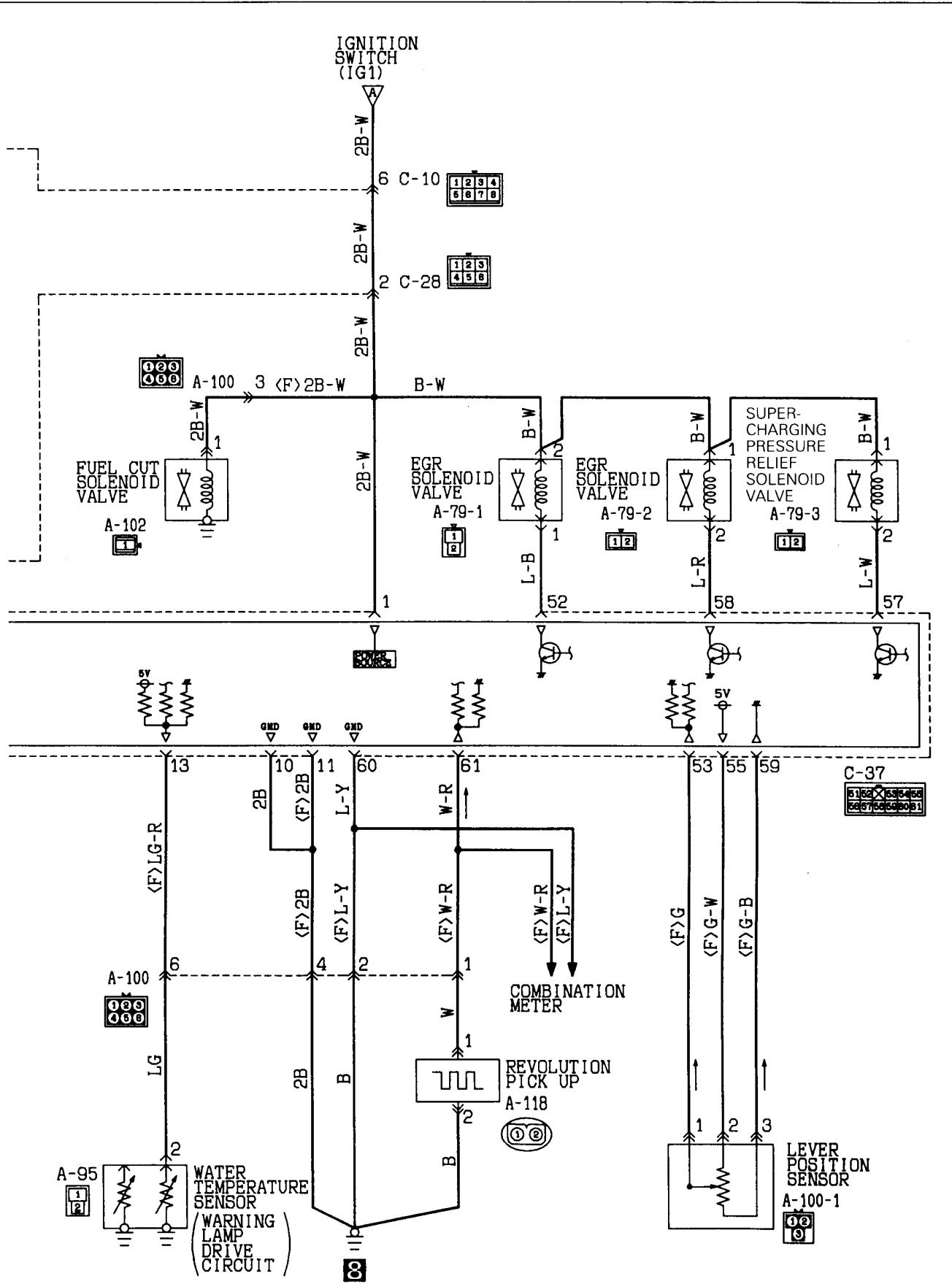
KX35-AC-Q0506-EC



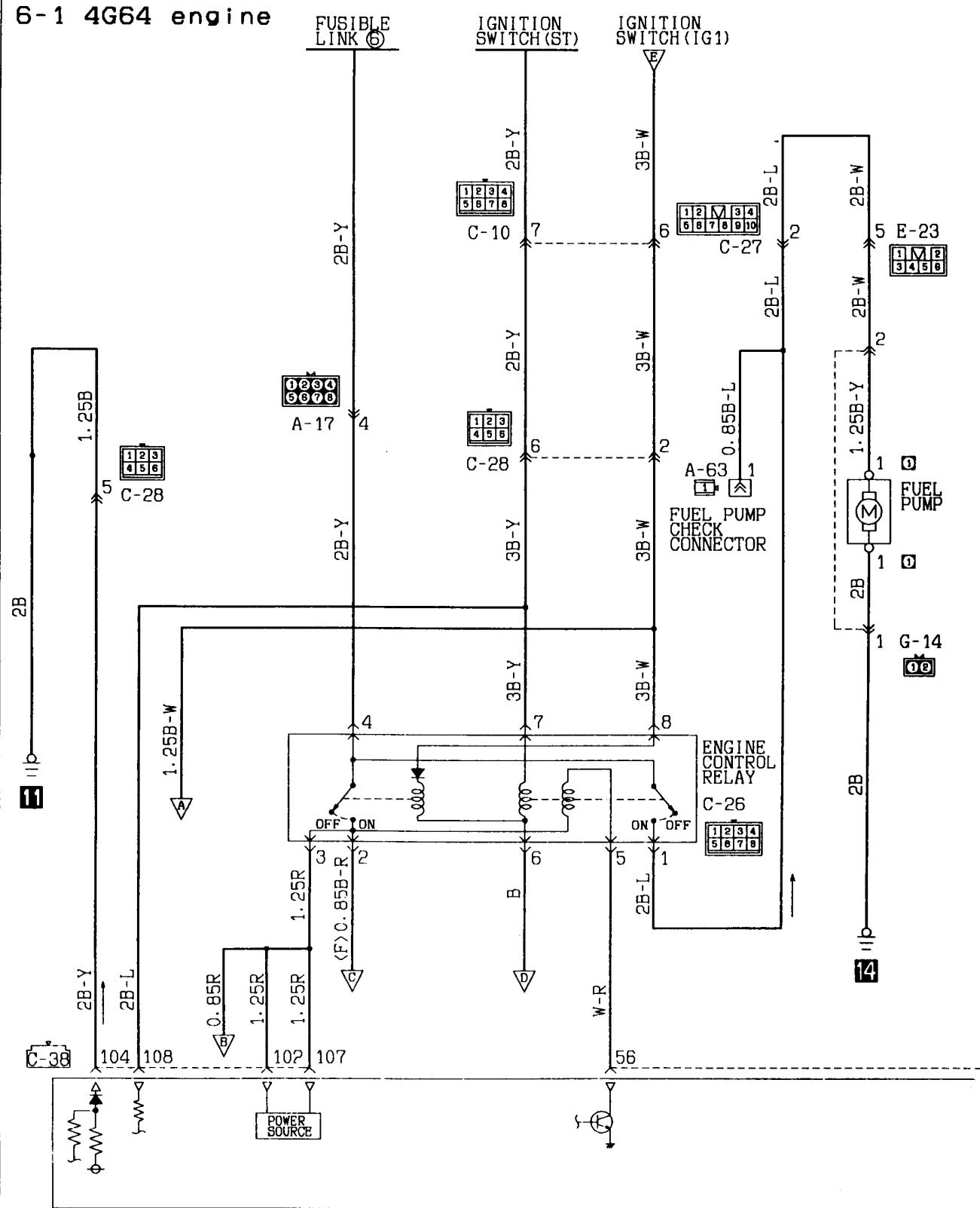
5-4 Super quick glow<2-door models with EGR system>
 (Vehicles built from July 1993)

FUSIBLE LINK ⑬





6 MPI SYSTEM
6-1 4G64 engine



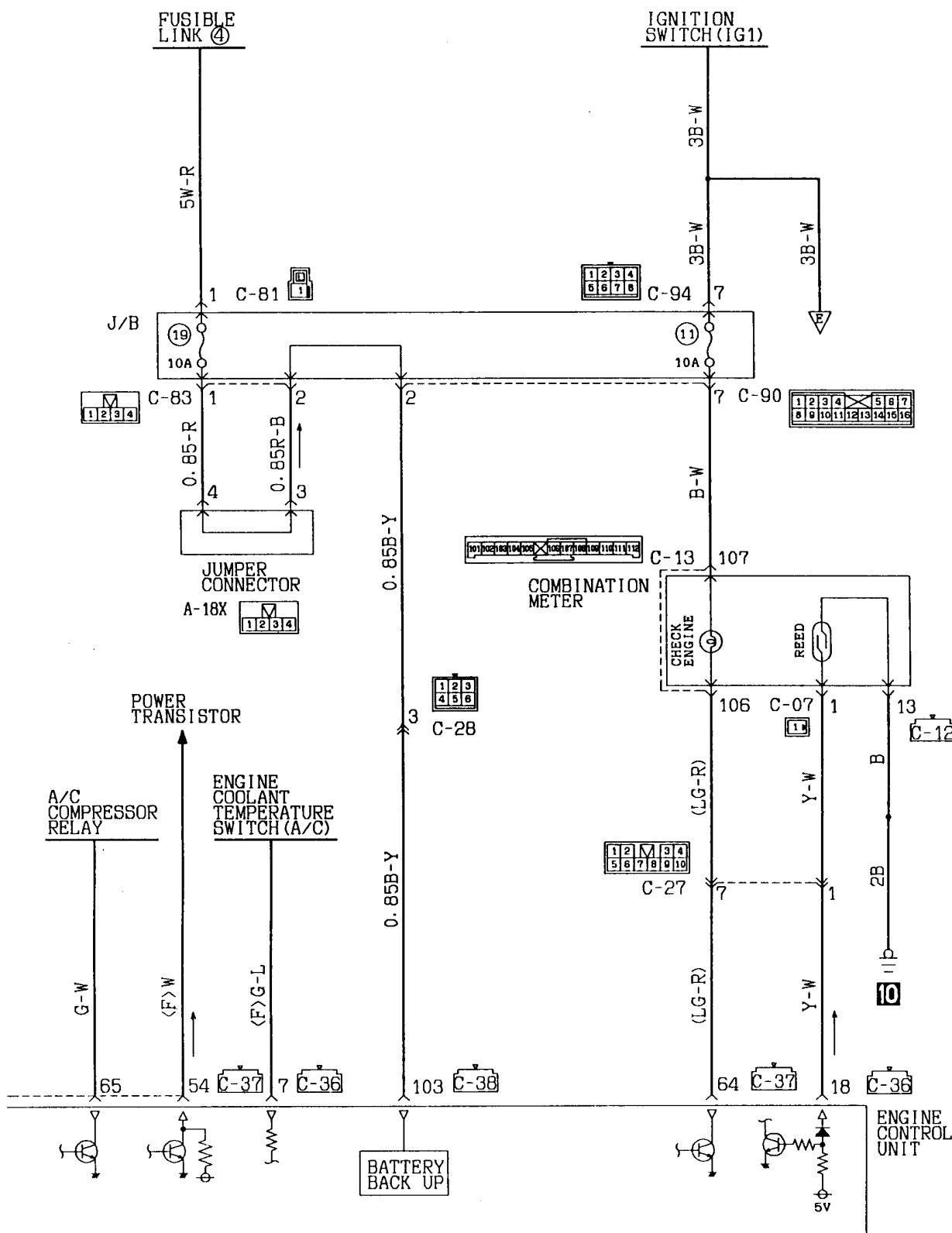
KX35-AC-00503-EC

C-38

C-37

C-36

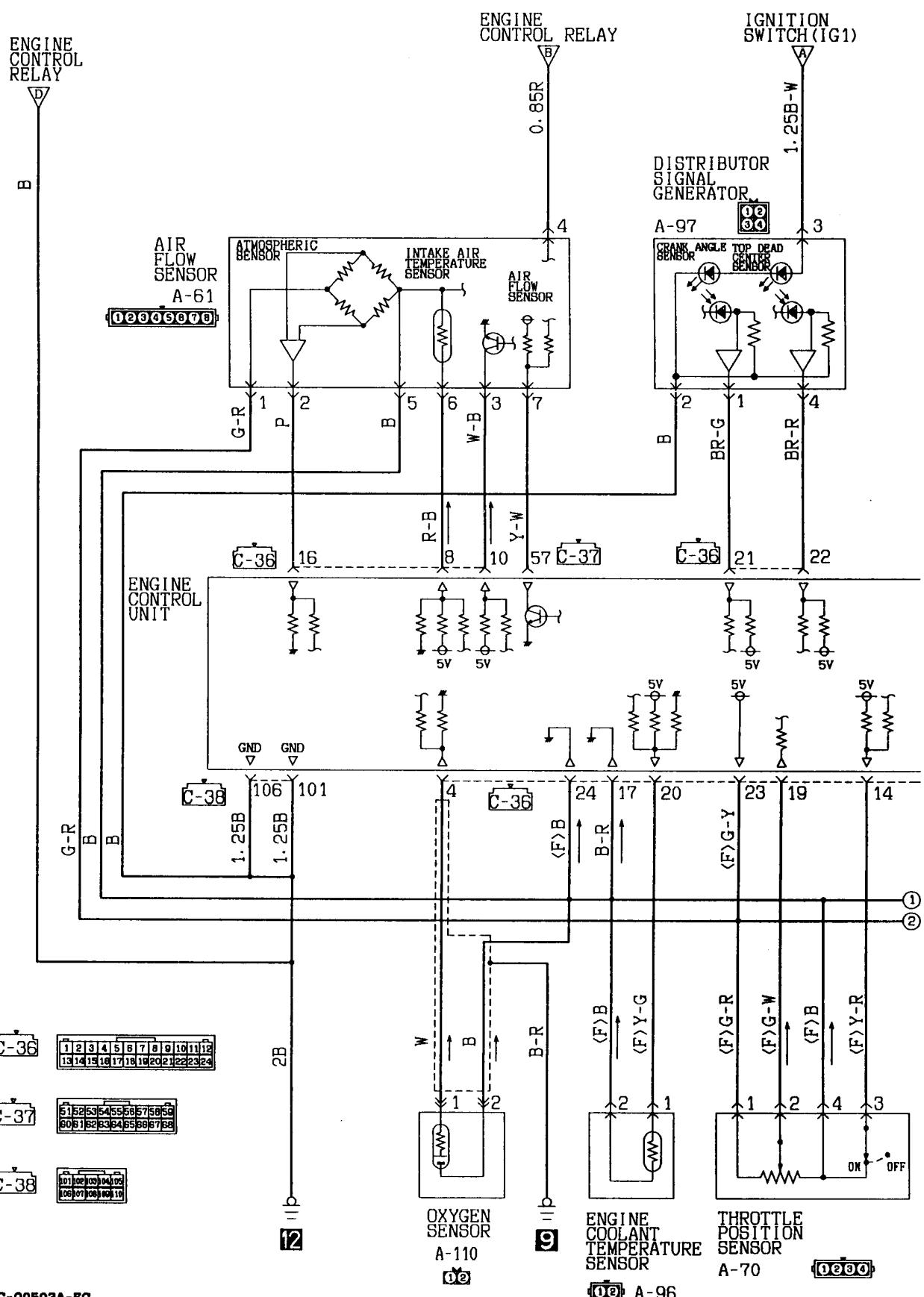
1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24

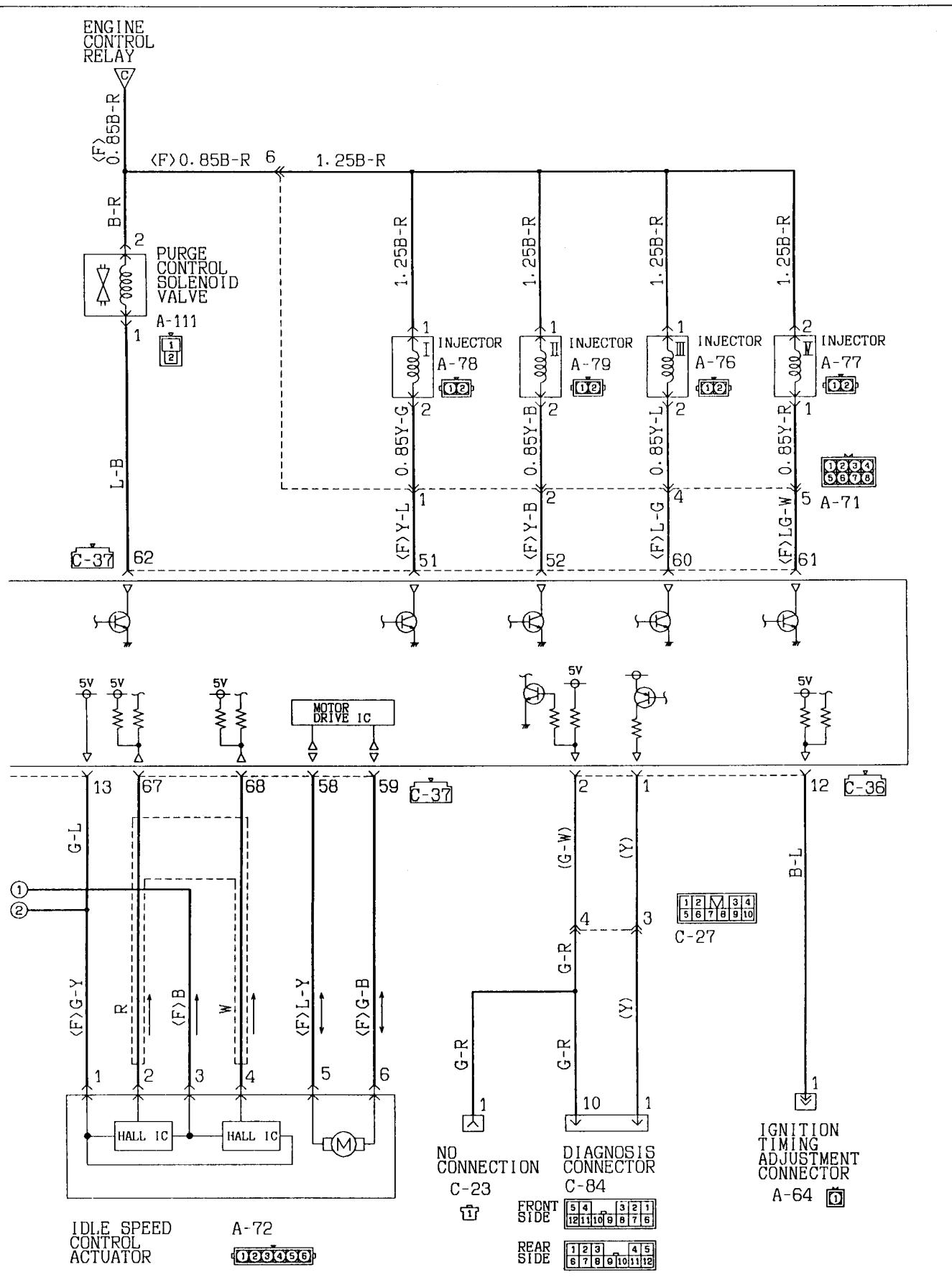


Wire colour code

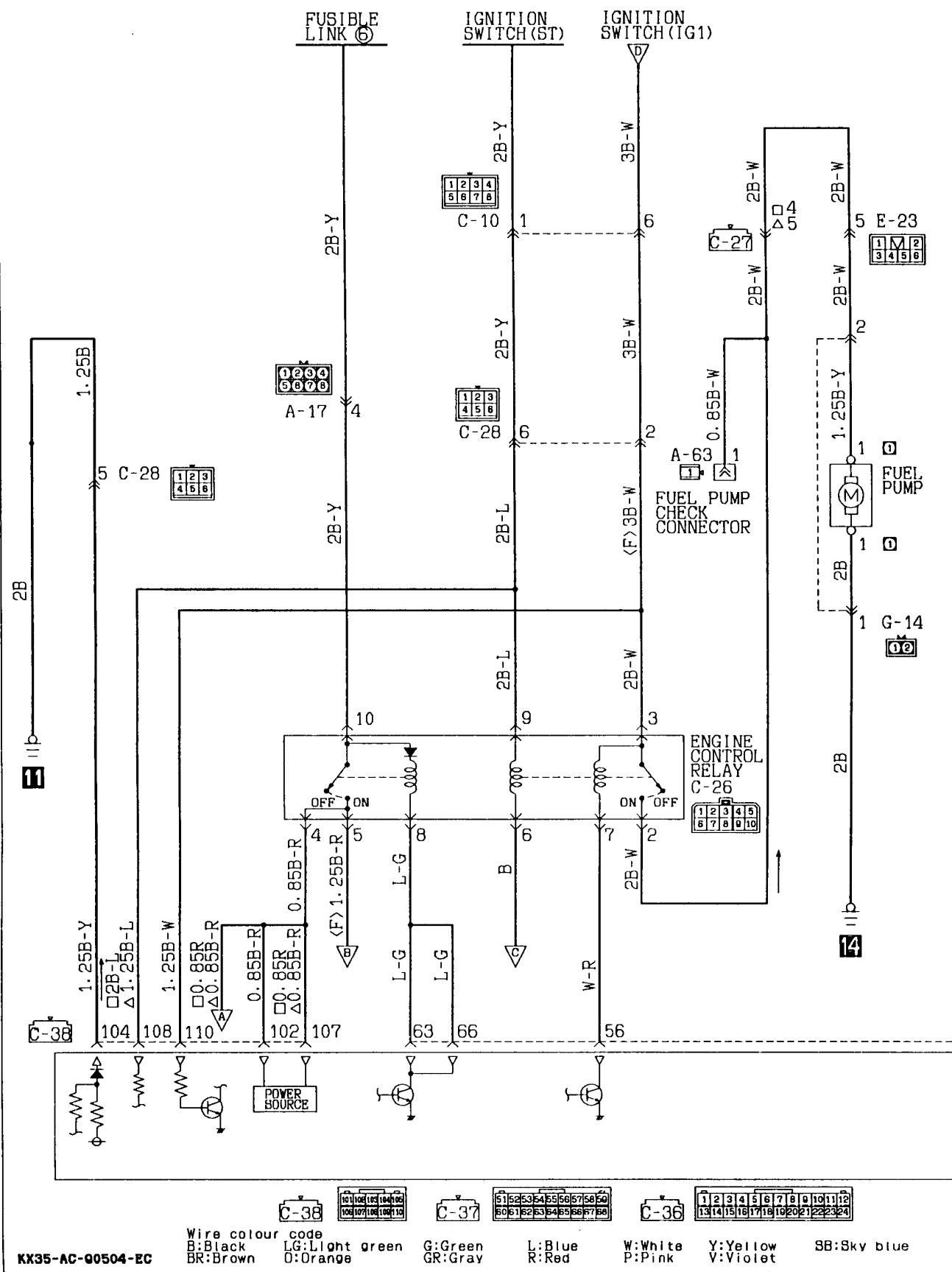
B:Black	LG:Light green	G:Green
BR:Brown	O:Orange	GR:Gray
W:White	SB:Sky blue	P:Pink
V:Violet		

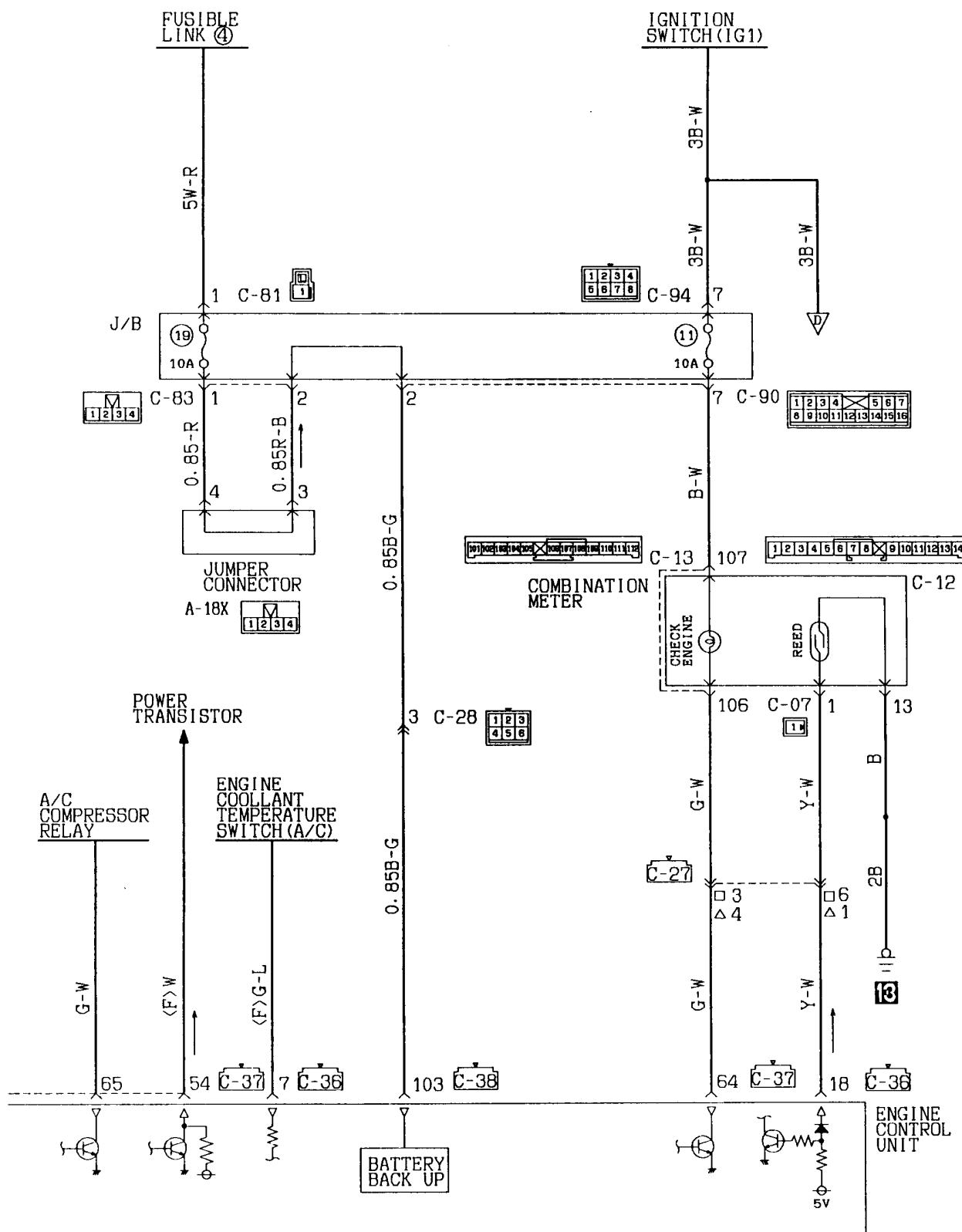
L:Blue
R:Red
Y:Yellow





6-2 6G72 engine <M/T>





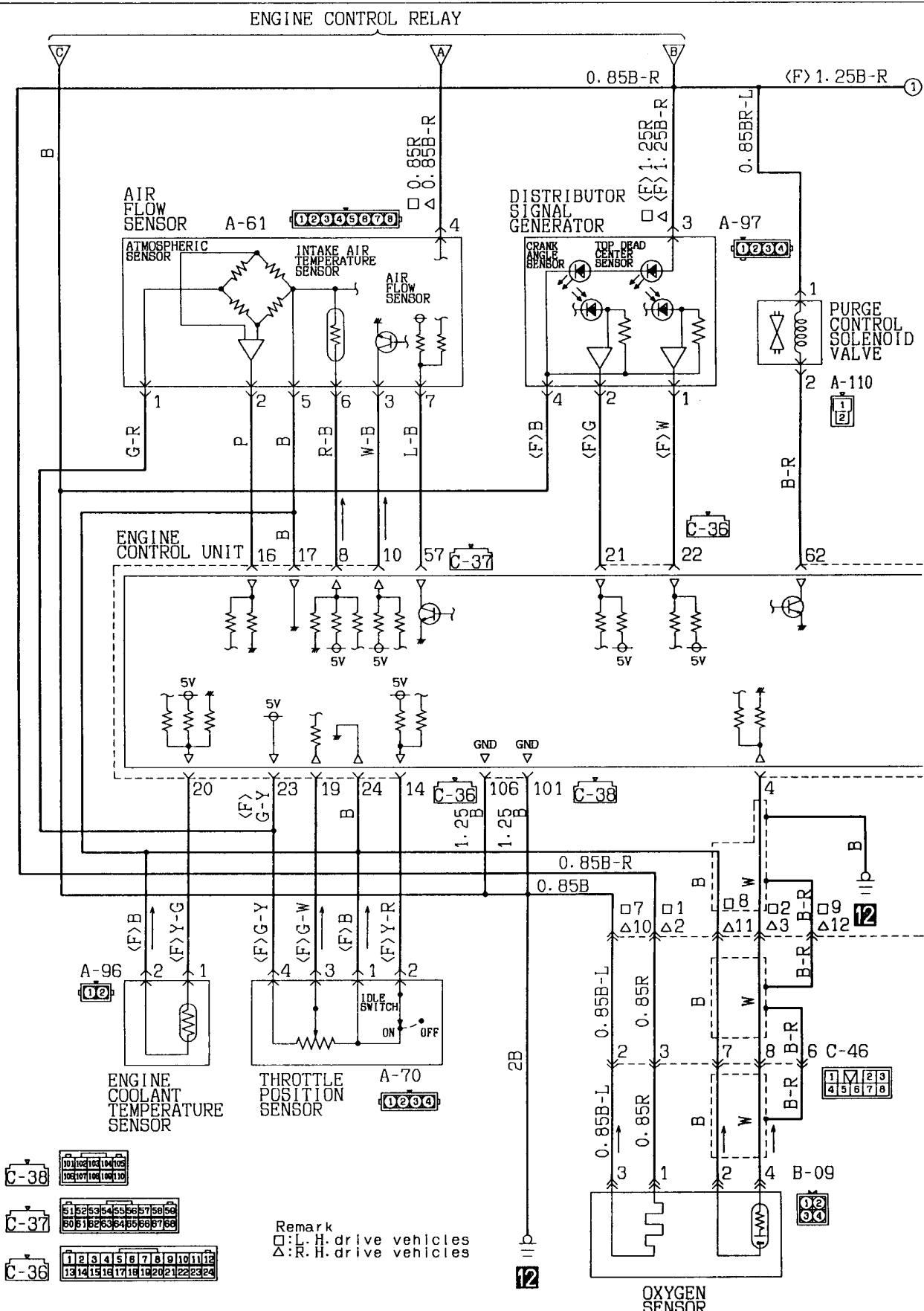
<RHD>

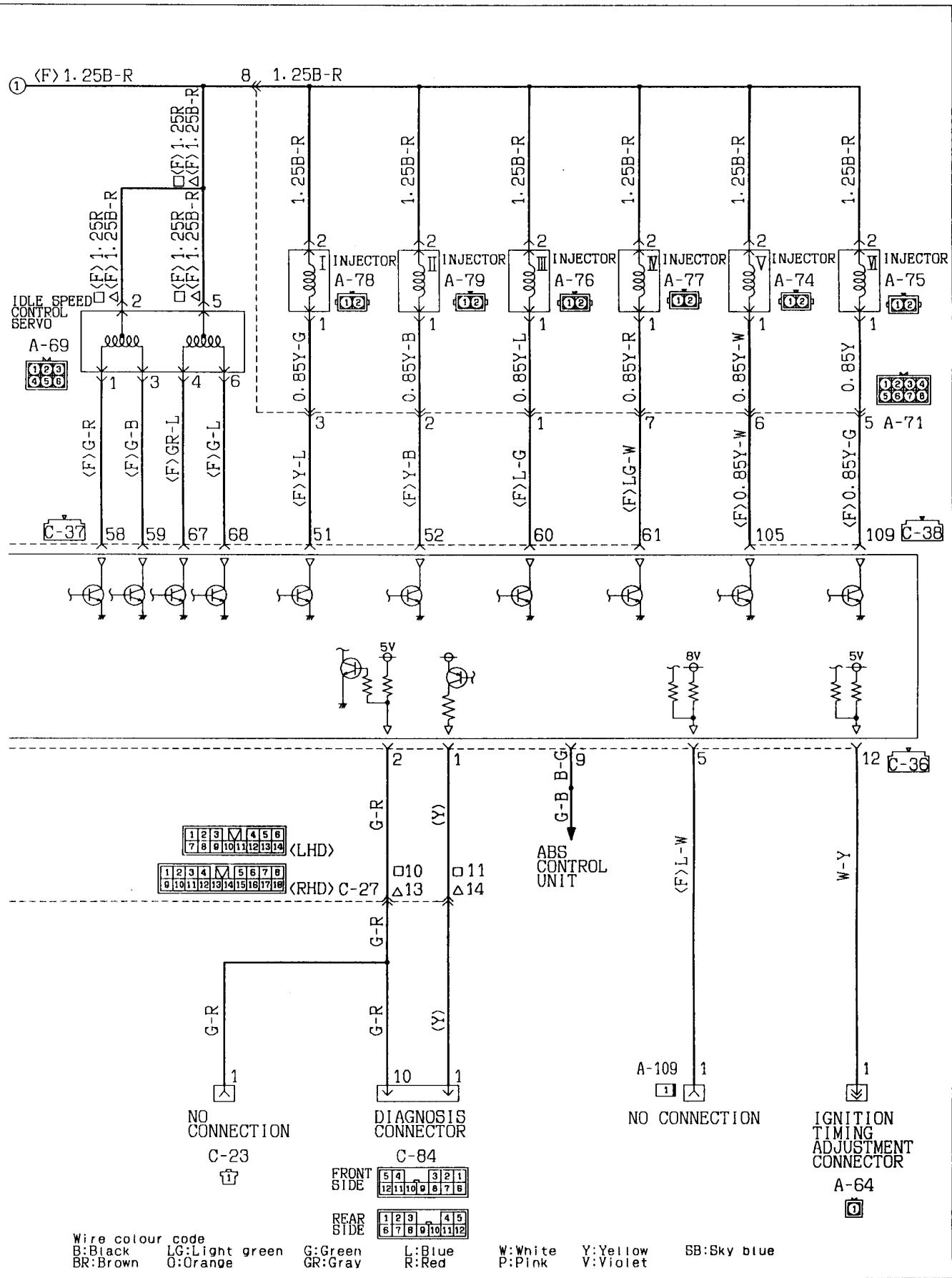
C-27 [1 2 3 4] [5 6 7 8]
[9 10 11 12 13 14 15 16 17 18]

<LHD>

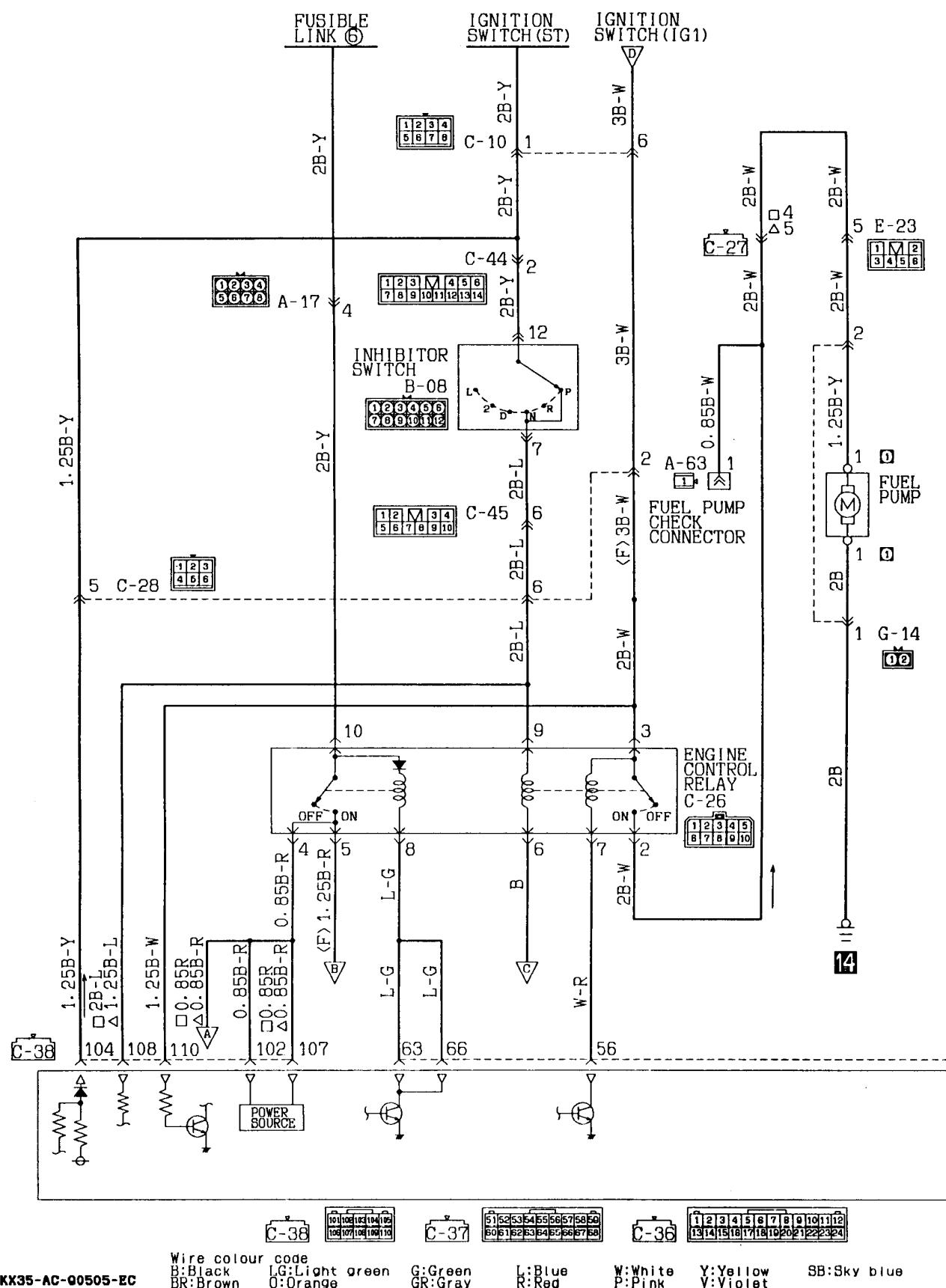
[1 2 3] [4 5 6]
[7 8 9 10 11 12 13 14]

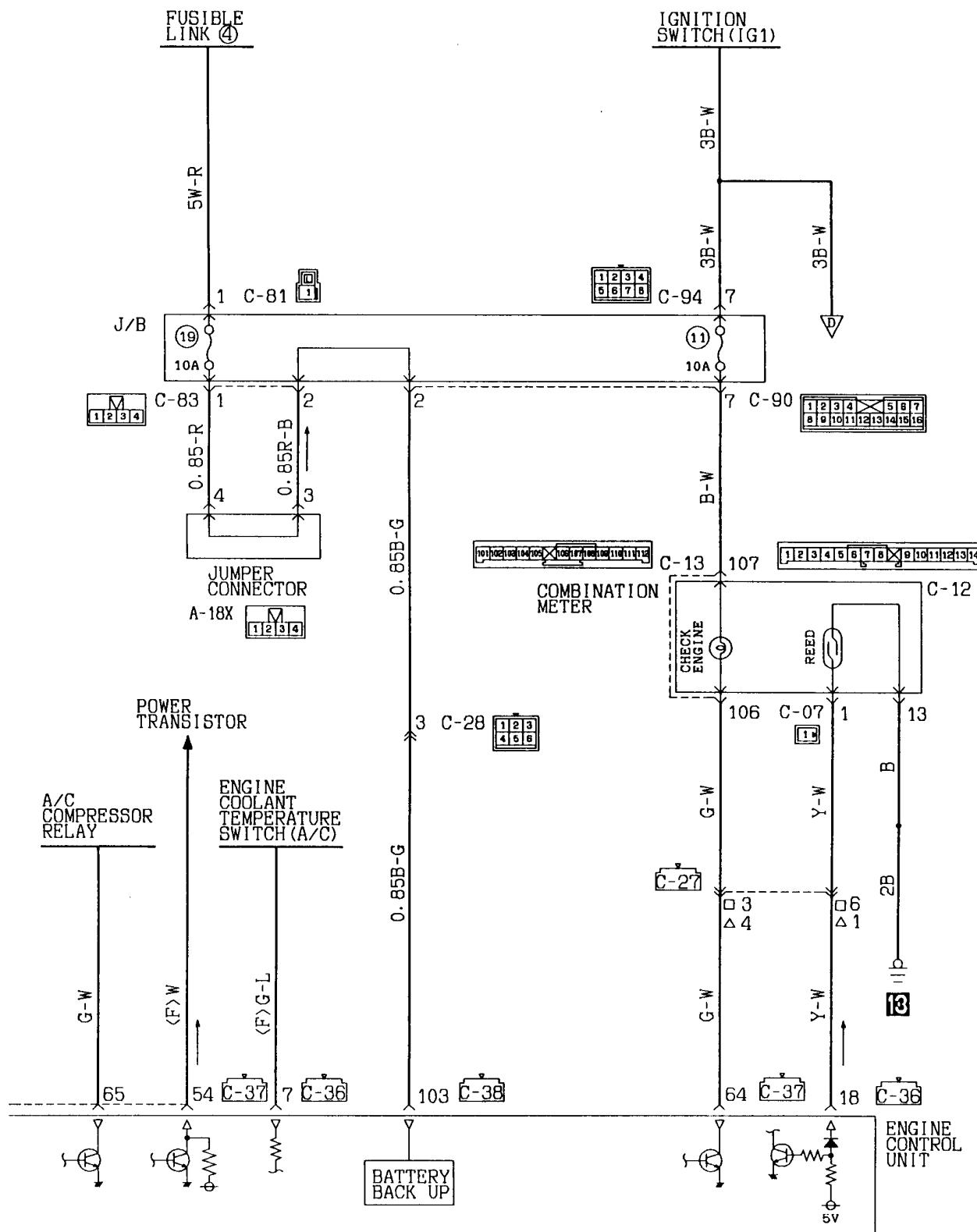
Remark
 □: L. H. drive vehicles
 Δ: R. H. drive vehicles



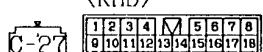


6-3 6G72 engine <A/T>

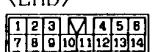




<RHD>

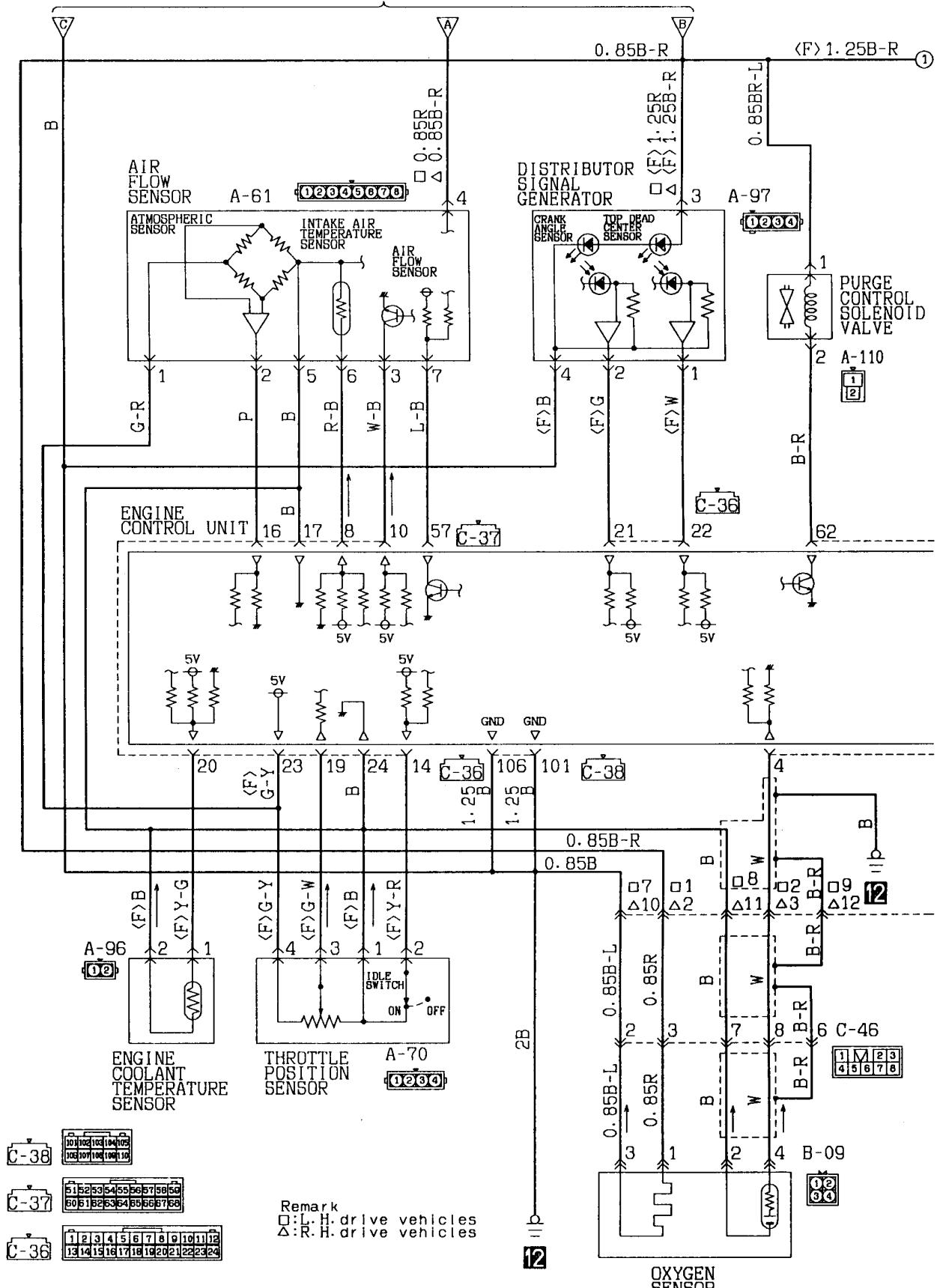


<LHD>

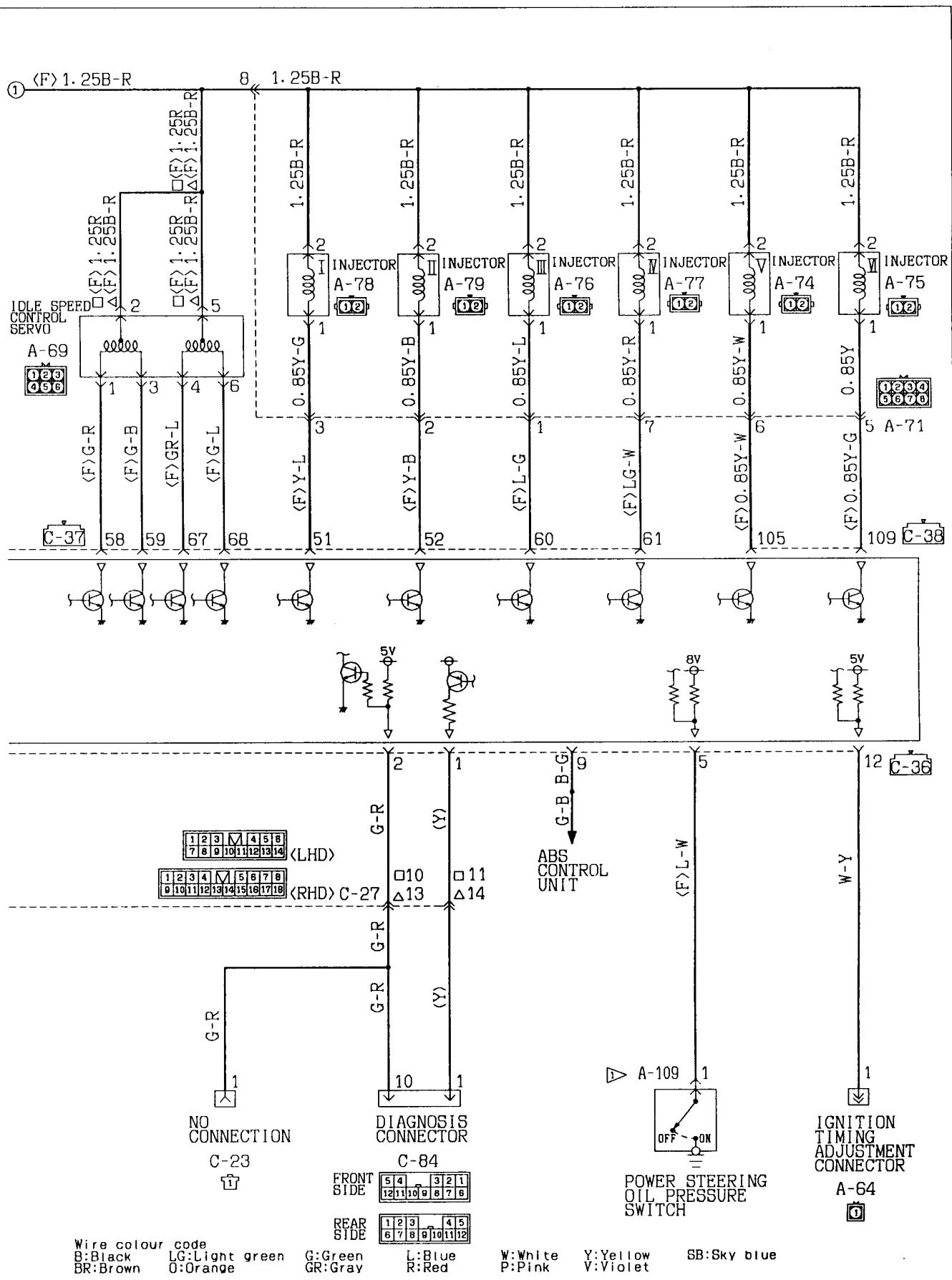


Remark
 □: L. H. drive vehicles
 △: R. H. drive vehicles

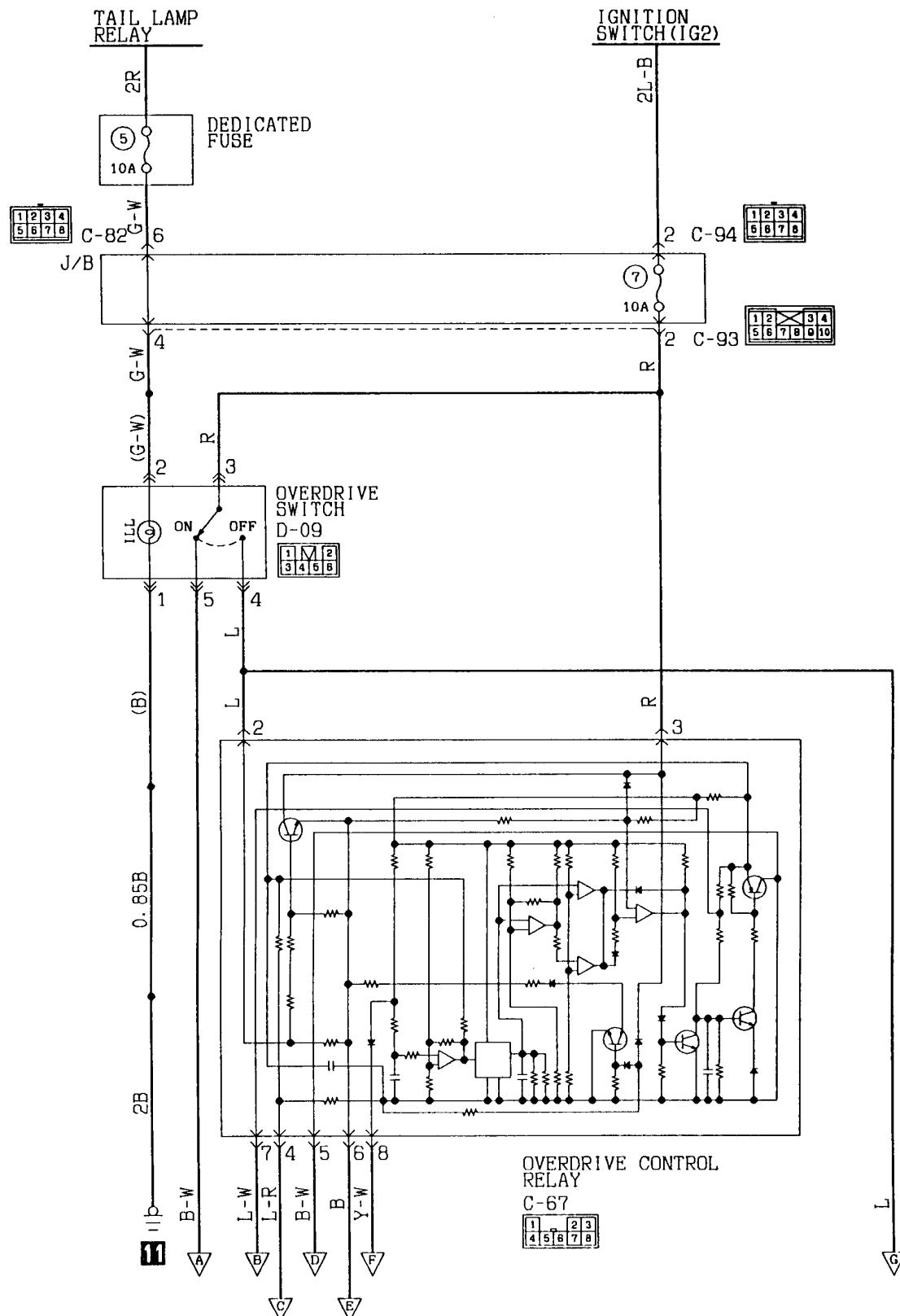
ENGINE CONTROL RELAY

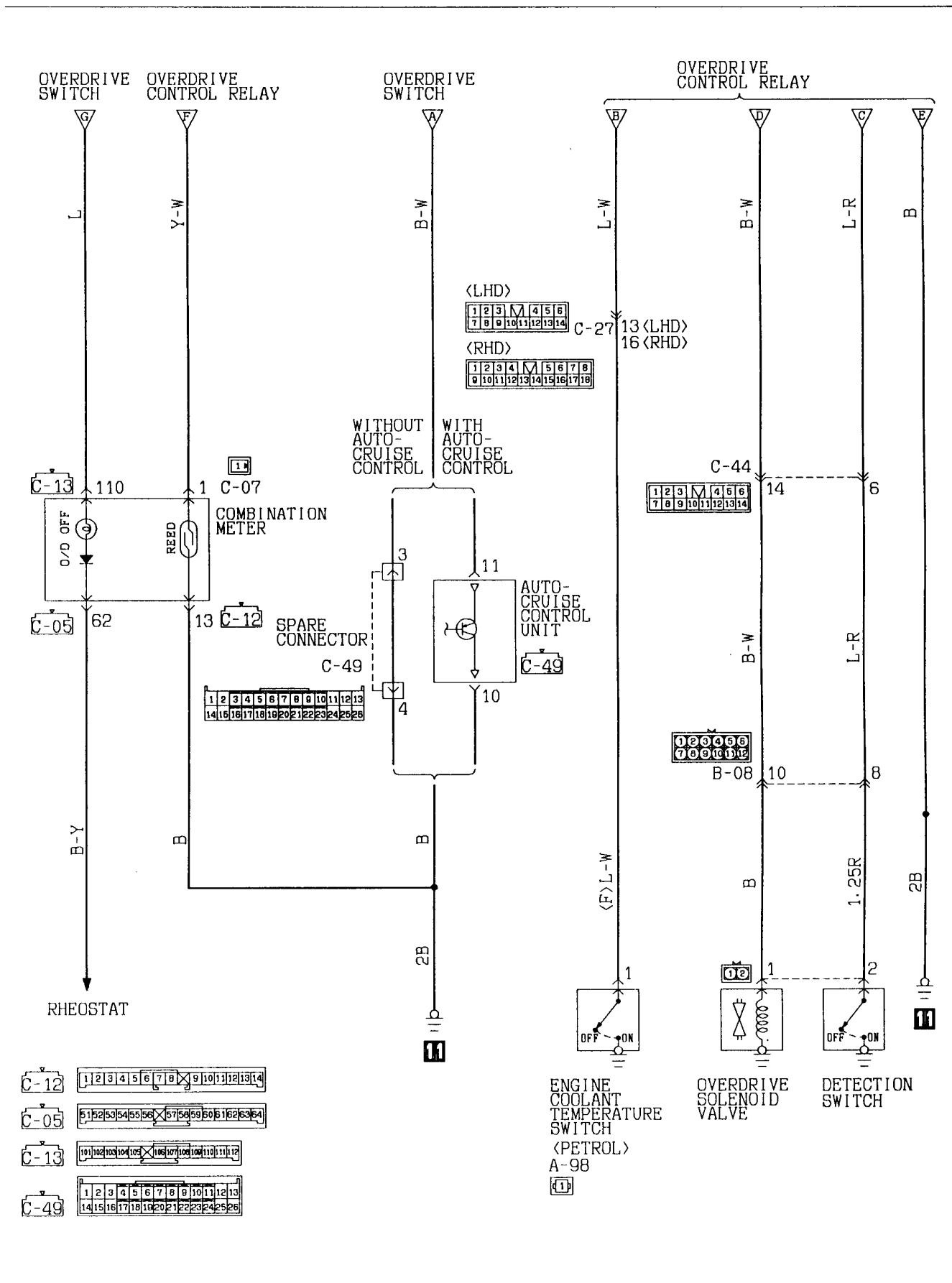


KX35-AC-Q0505A-EC



7 OVERDRIVE CONTROL SYSTEM





OVERDRIVE CONTROL SYSTEM (See P. 4-40.)**OPERATION****<Overdrive solenoid valve>**

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), battery voltage is applied, through fuse No. ⑦ and the overdrive relay, to the engine coolant temperature switch.
- When the engine coolant temperature becomes 50°C (122°F) or higher, the engine coolant temperature switch is switched ON.
- When the engine coolant temperature switch is switched ON, current flows to the ignition switch, fuse No. ⑦, the overdrive switch, the overdrive relay, the engine coolant temperature switch, and earth, and the relay is switched ON.
- When the overdrive relay is switched OFF, current flows to the ignition switch, fuse No. ⑦, the overdrive switch, the overdrive relay, the overdrive solenoid, and earth, and the solenoid valve is activated.

<Overdrive off indicator lamp>

- When the overdrive switch is switched OFF (with the ignition switch at the ON position), current flows to the ignition switch, fuse No. ⑦, the overdrive switch, the overdrive off indicator, and earth, and the indicator illuminates.

HEADLAMP <L.H. drive vehicles without daytime running lamp> (See P. 4-44.)**OPERATION**

Headlamp Relay ON Conditions
<1991 Models>

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

<1993 Models>

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

<Passing operation>

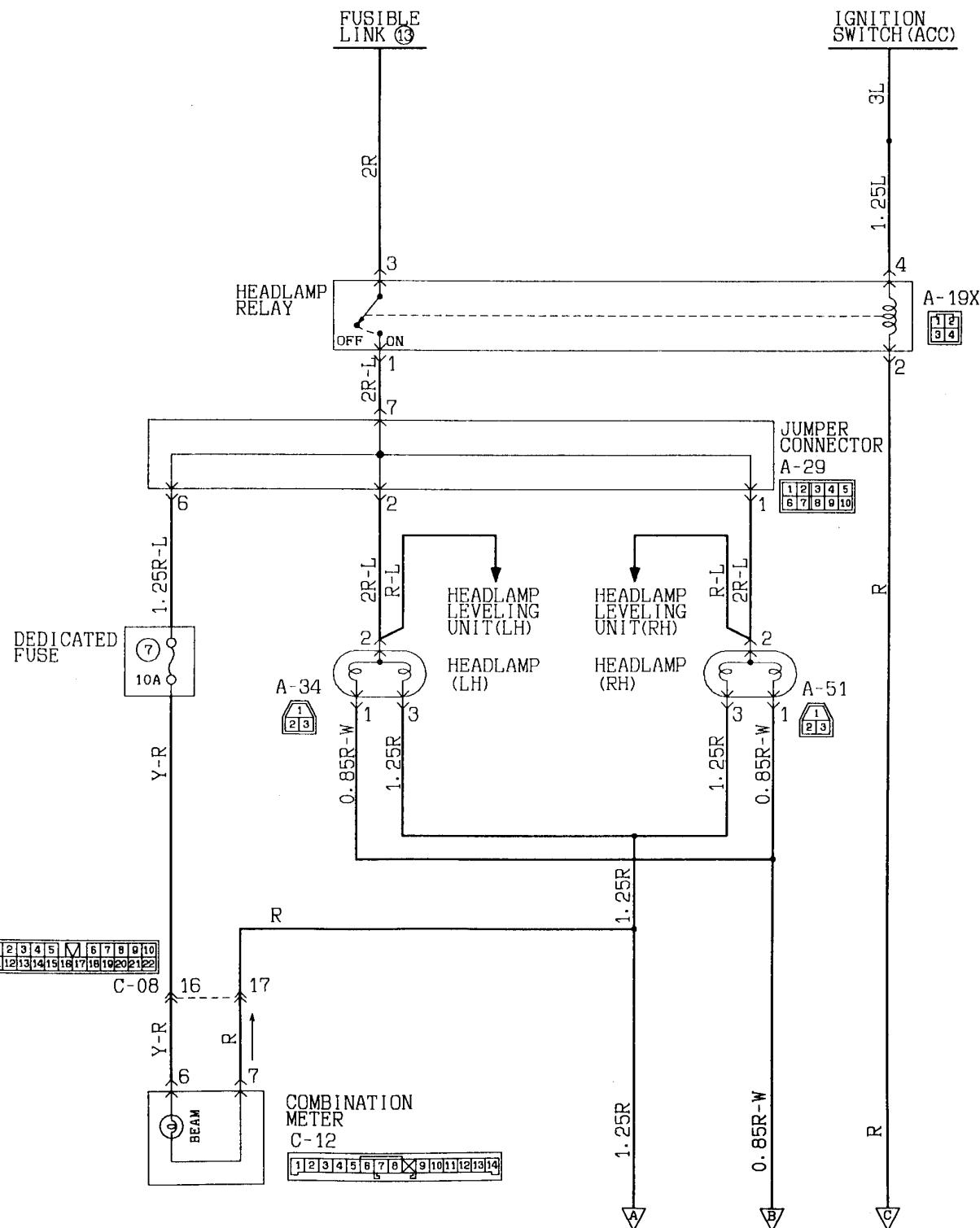
- When the dimmer/passing switch is set to the "ON" position, the headlamp relay is switched ON and the upper beam of the headlamps illuminates.

TROUBLESHOOTING HINTS

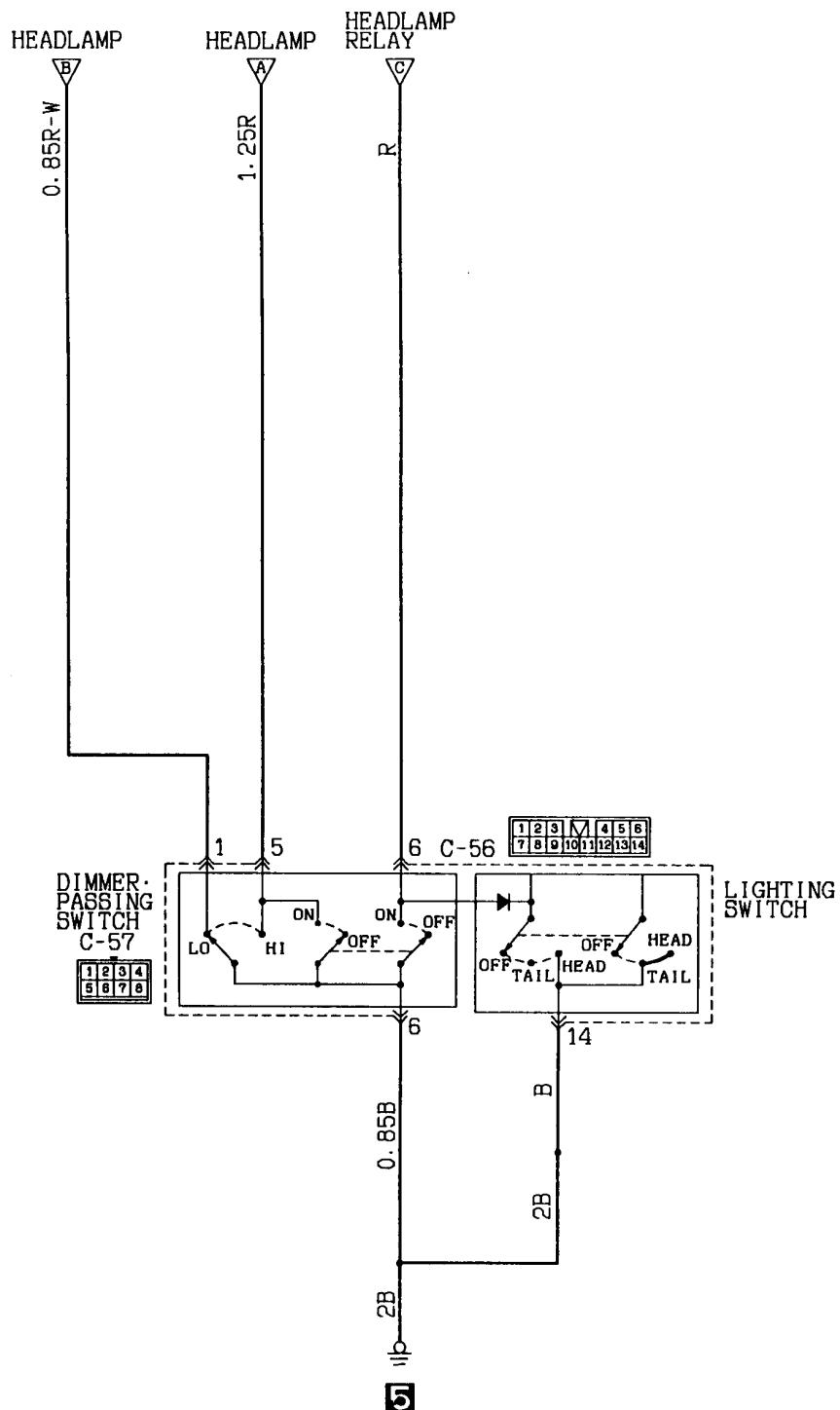
1. Headlamps don't come on.
 - 1) But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - 2) The tail lamps also don't illuminate.
 - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
 - 1) The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - 2) The passing signal doesn't function.
 - Check the dimmer switch.
4. One headlamp doesn't illuminate.
 - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
6. Upper-beam indicator lamp does not come on.
 - 1) Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

8 HEADLAMP

8-1 L. H. drive vehicles without daytime running lamp
<1991 MODELS>

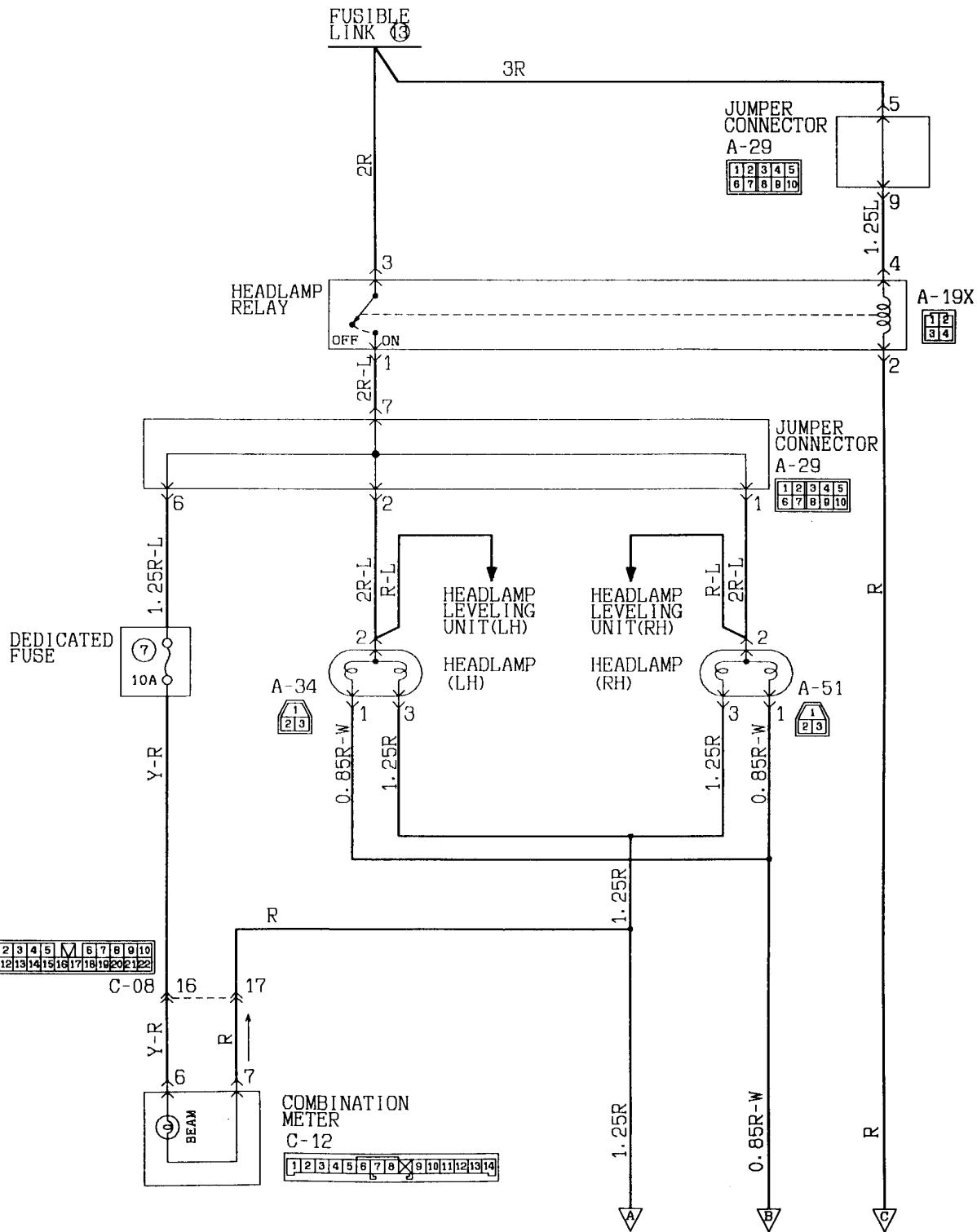


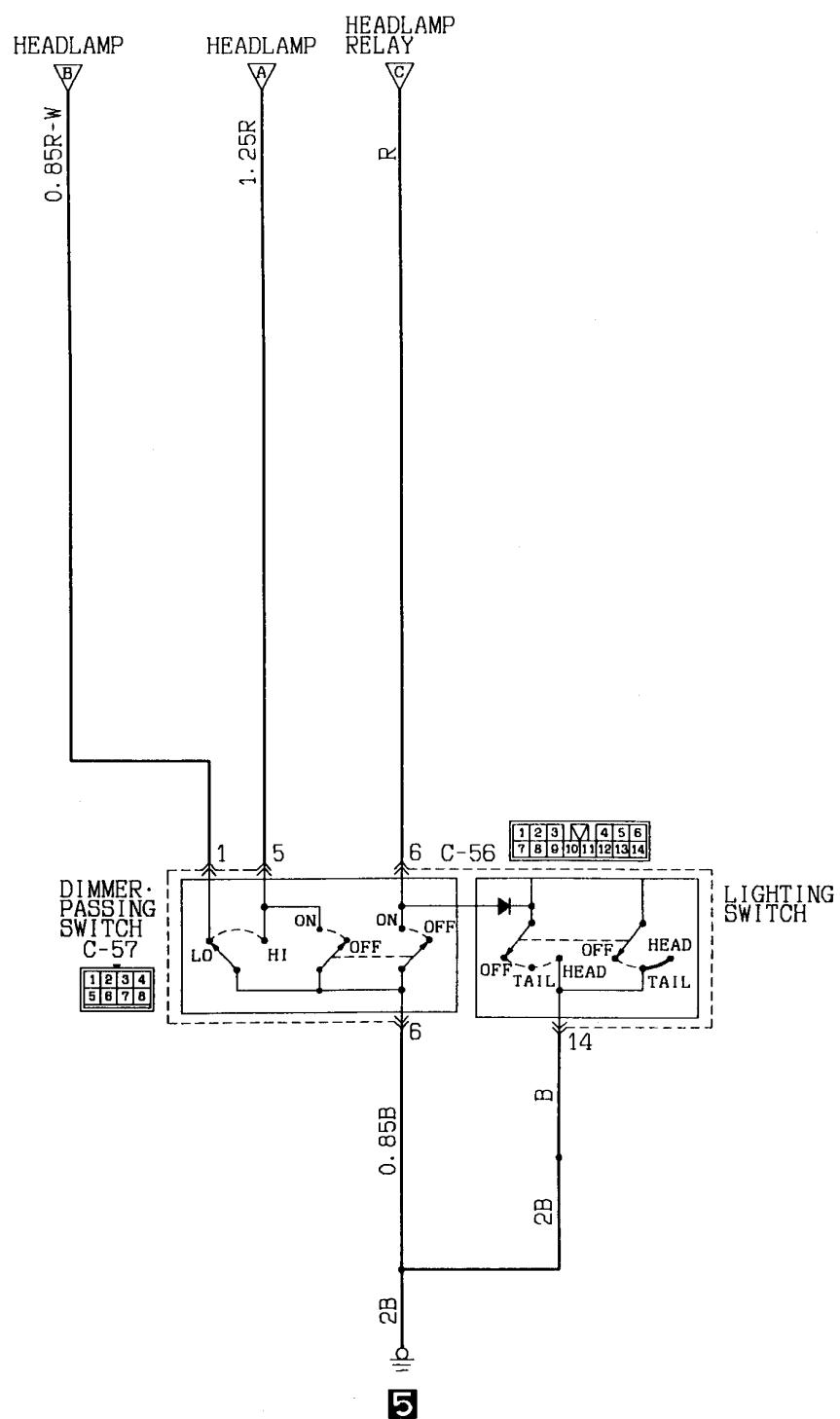
KX35-AC-00820-EC



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

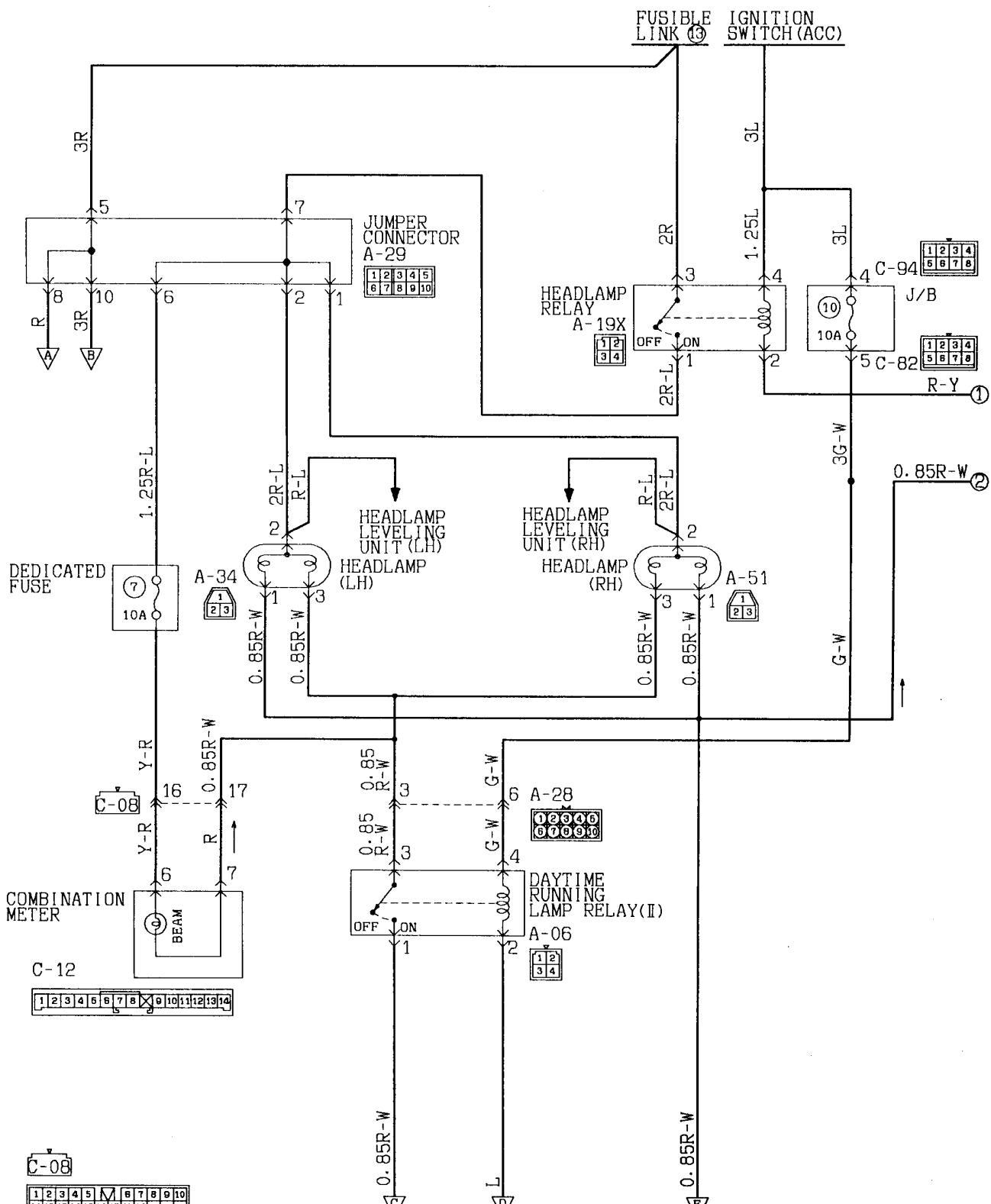
8-1 L. H. drive vehicles without daytime running lamp
<1993 MODELS>

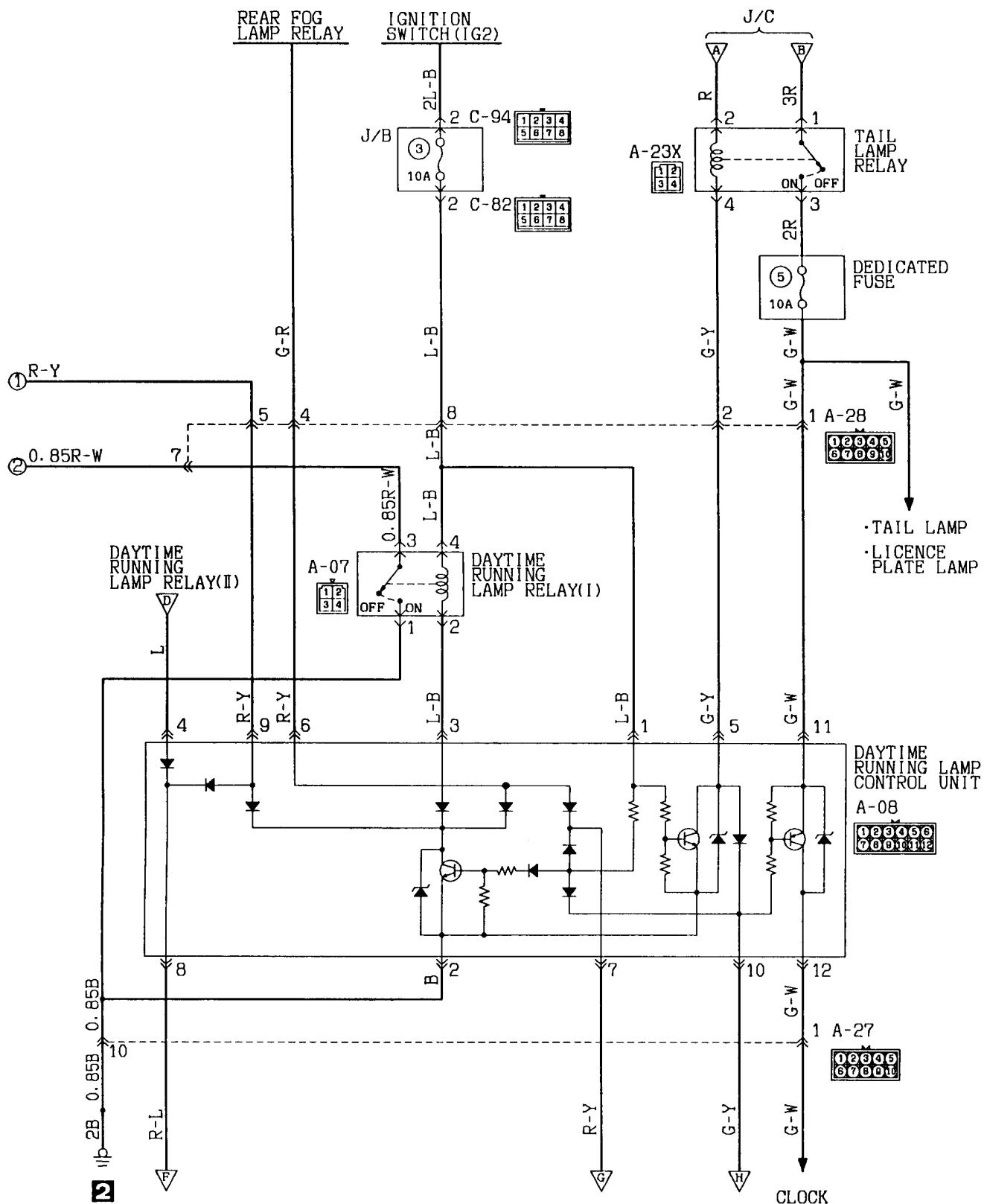


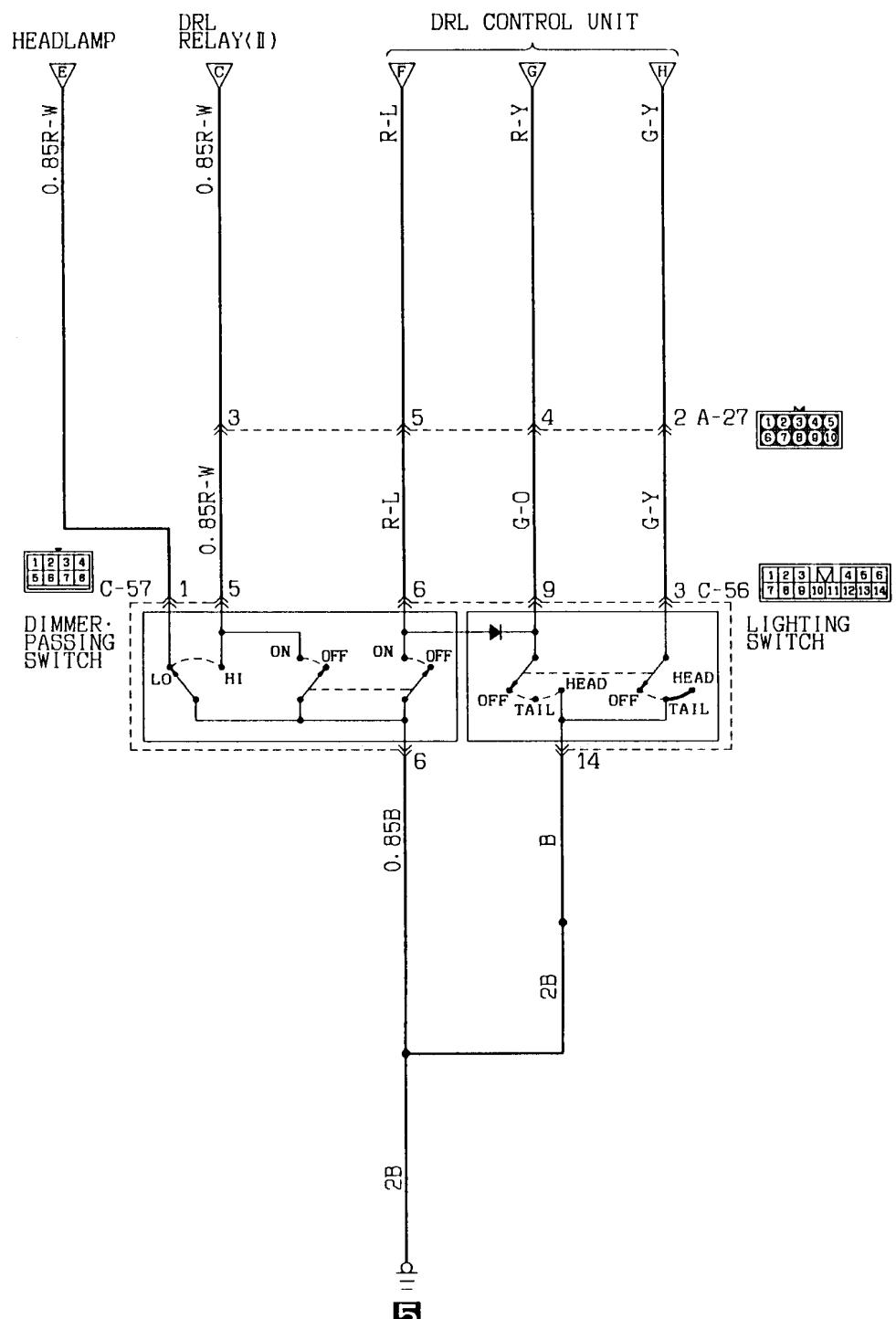


Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

8-2 L. H. drive vehicles with daytime running lamp
<1991 MODELS>



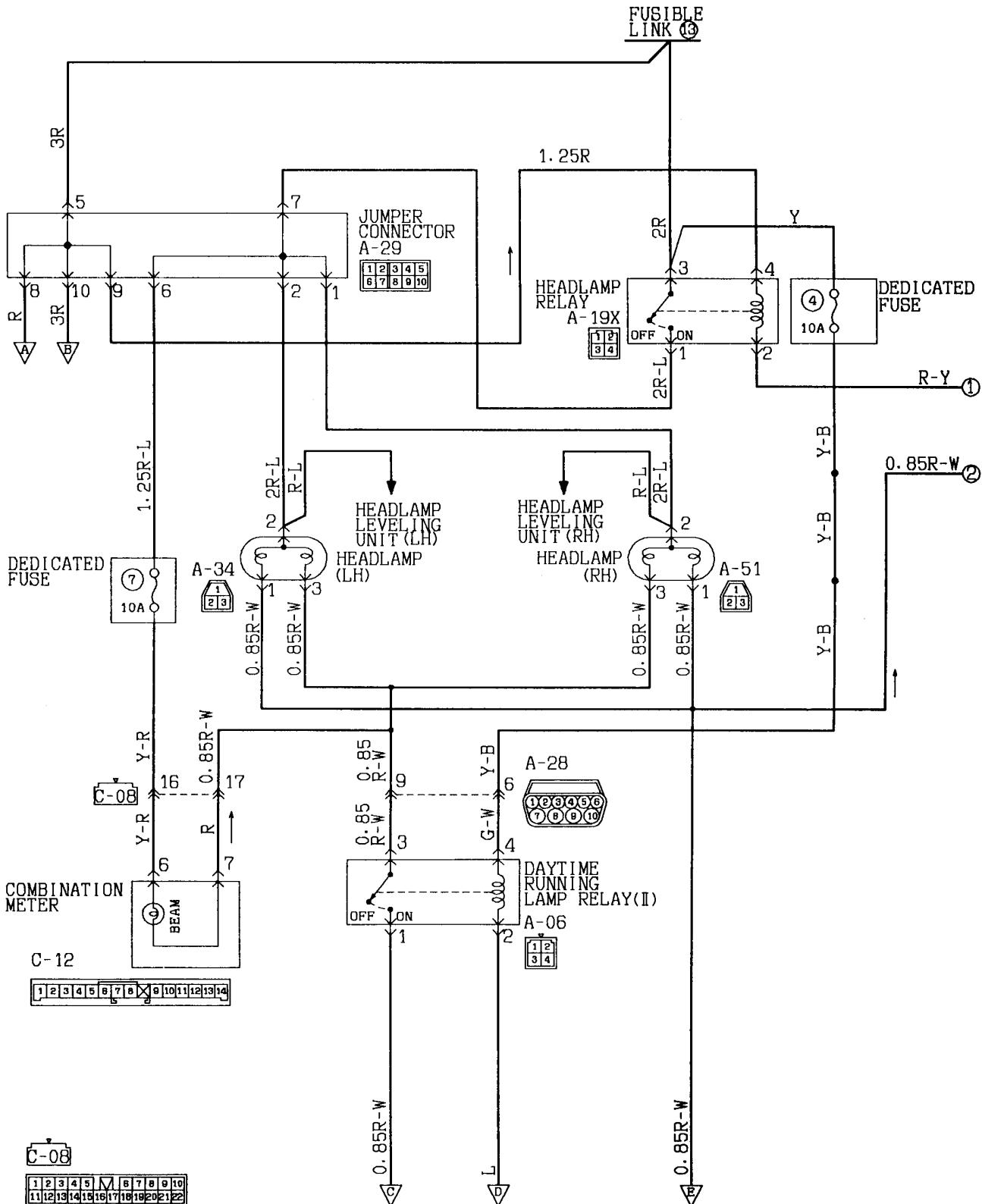




Wire colour code
 B:Black LG:Light green G:Green L:Blue
 BR:Brown O:Orange GR:Gray R:Red W:White Y:Yellow SB:Sky blue
 P:Pink V:Violet

NOTES

8-2 L. H. drive vehicles with daytime running lamp
(1993 MODELS)



Wire colour code

Wire colour code

BR:Brown 0:Ore

ght green

one strong
change

[View Details](#)

Green

:Gray

— 1 —

L:Blue

R:Red

— 1 —

W:White

P:Pink

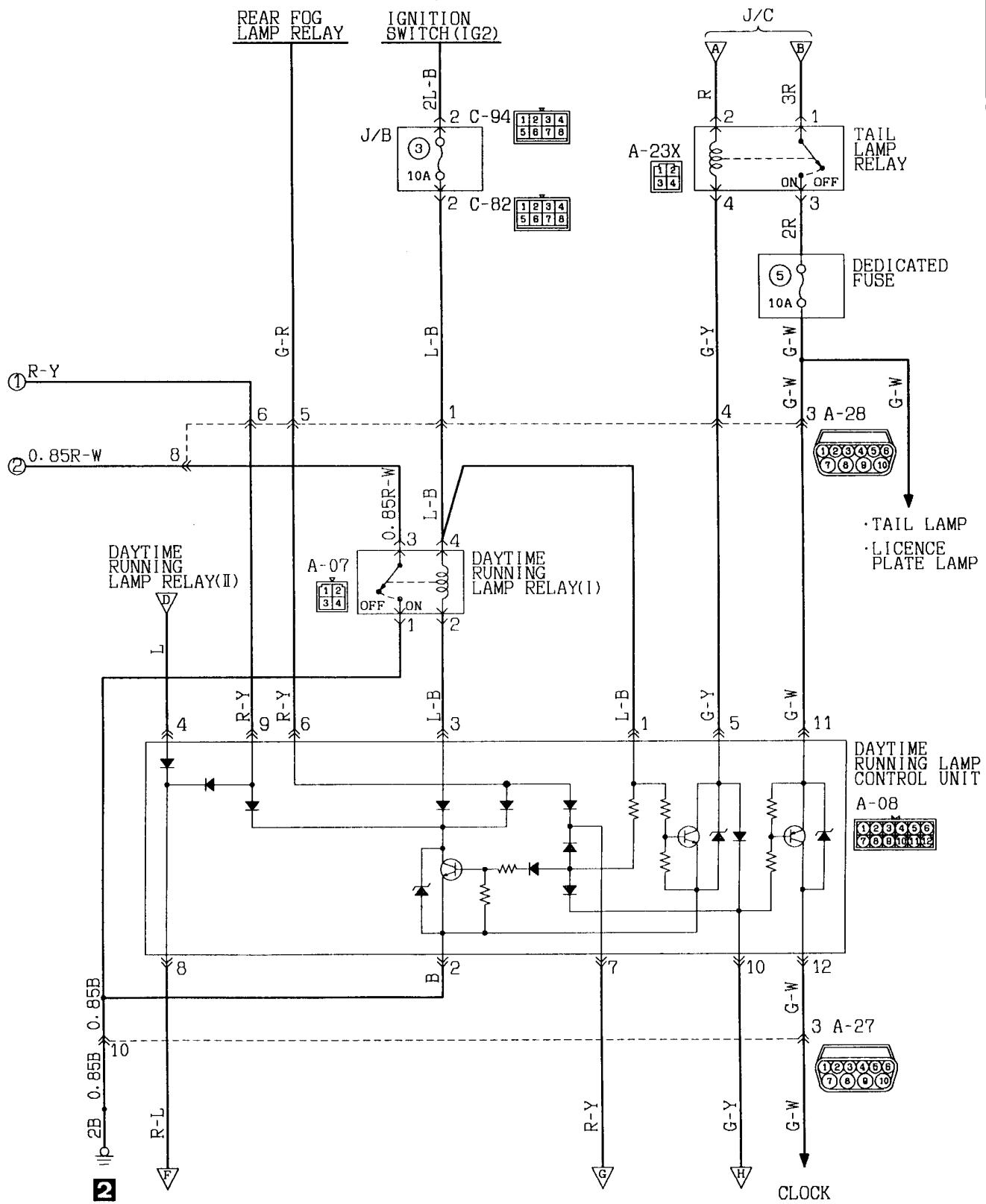
— 1 —

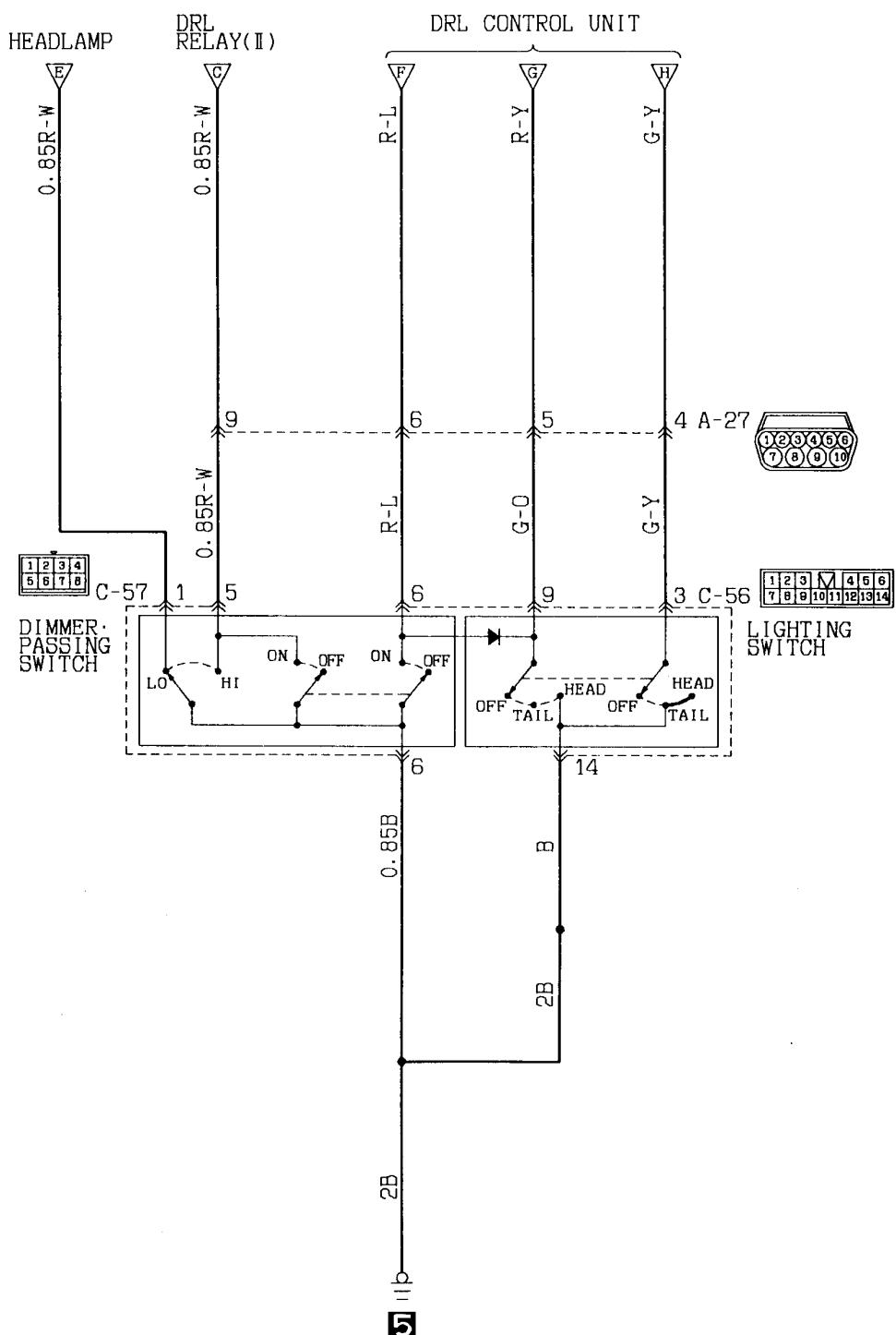
Y:Yellow

V:Viol

— 1 —

SB:Sky blue





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

KX35-AC-00816A-EC

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

Headlamp Relay ON Conditions
<1991 Models>

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

<1993 Models>

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

<Daytime running lamp operation>

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

<Low-beam operation>

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

<Upper-beam operation>

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

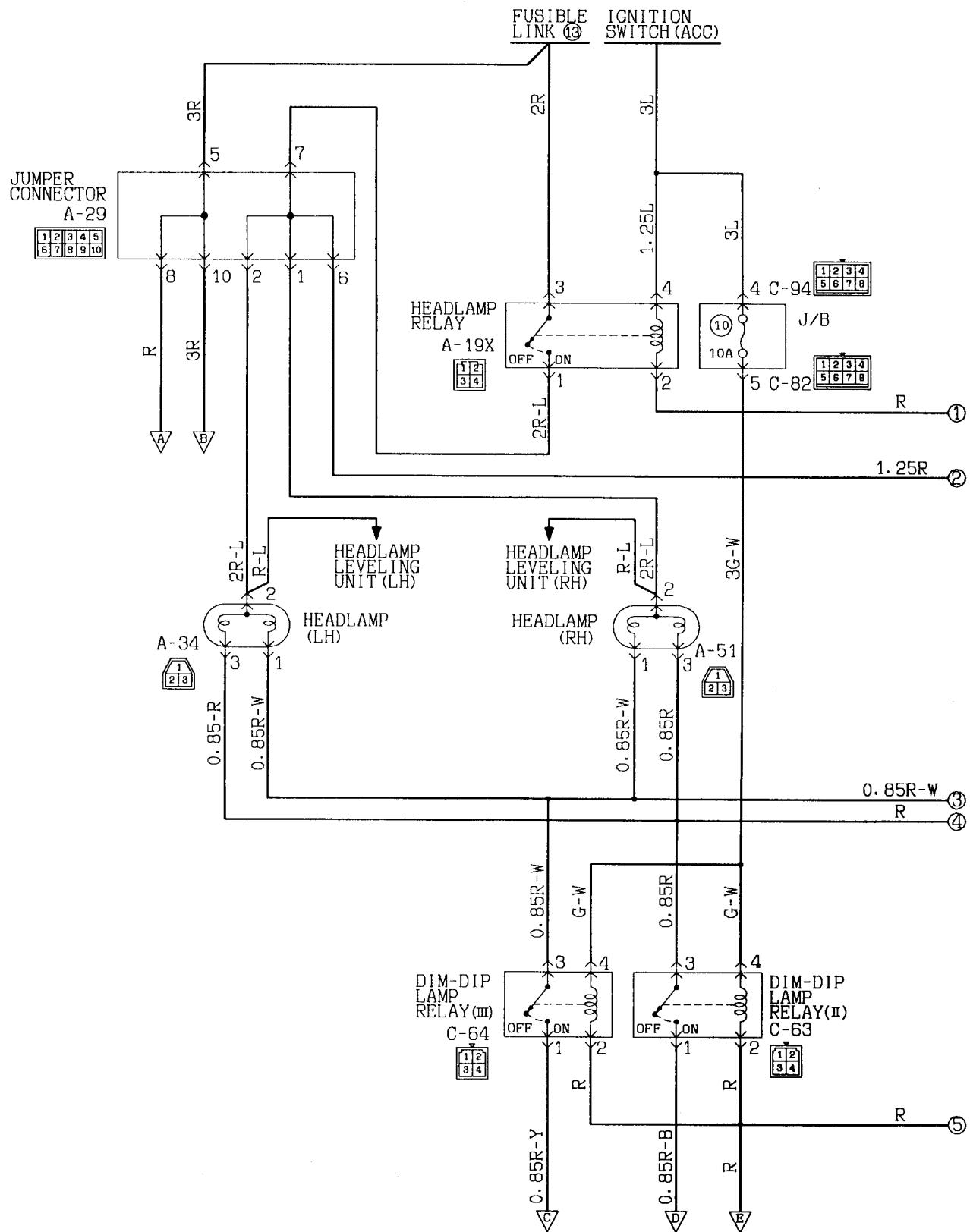
<Upper-beam indicator lamp>

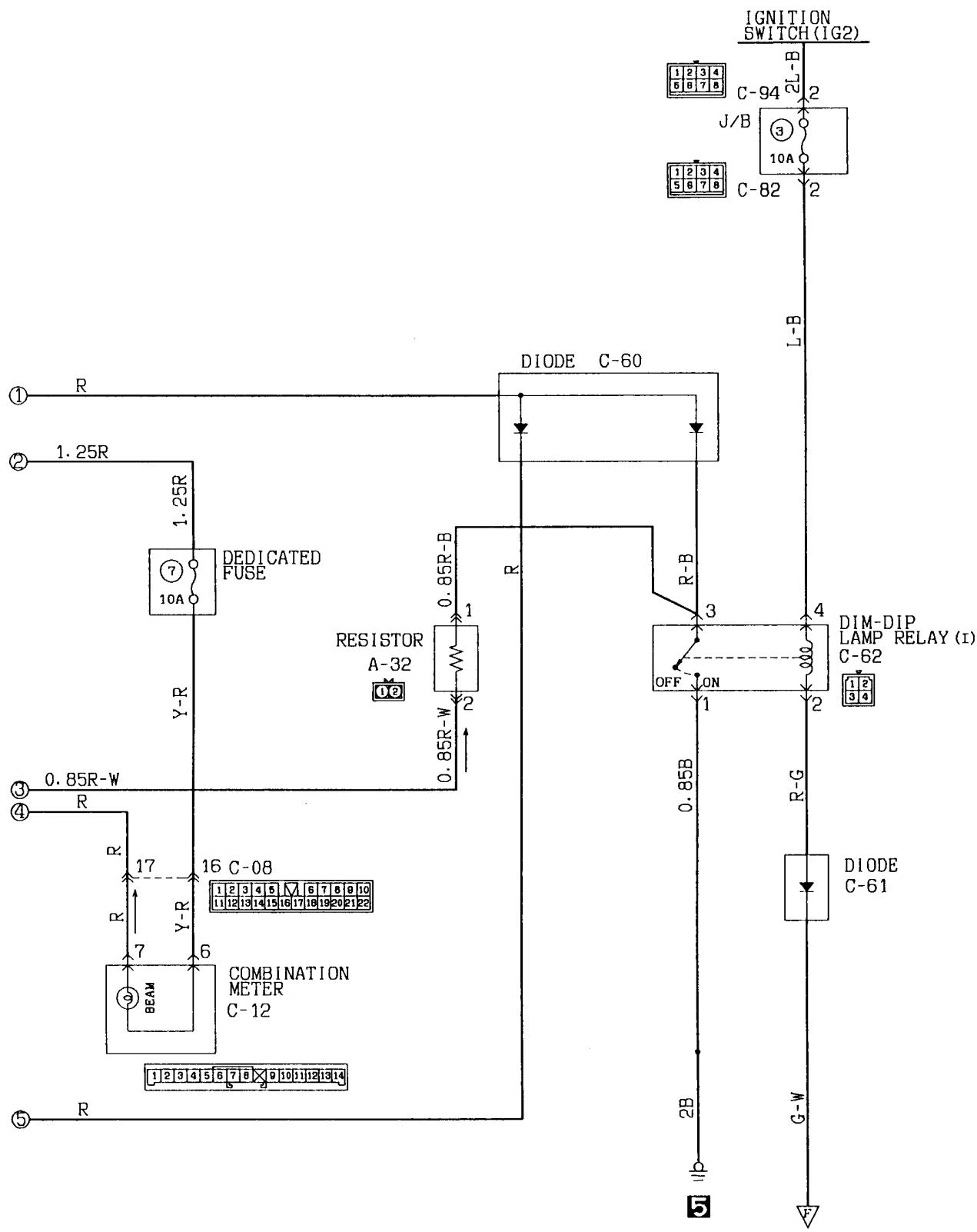
- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

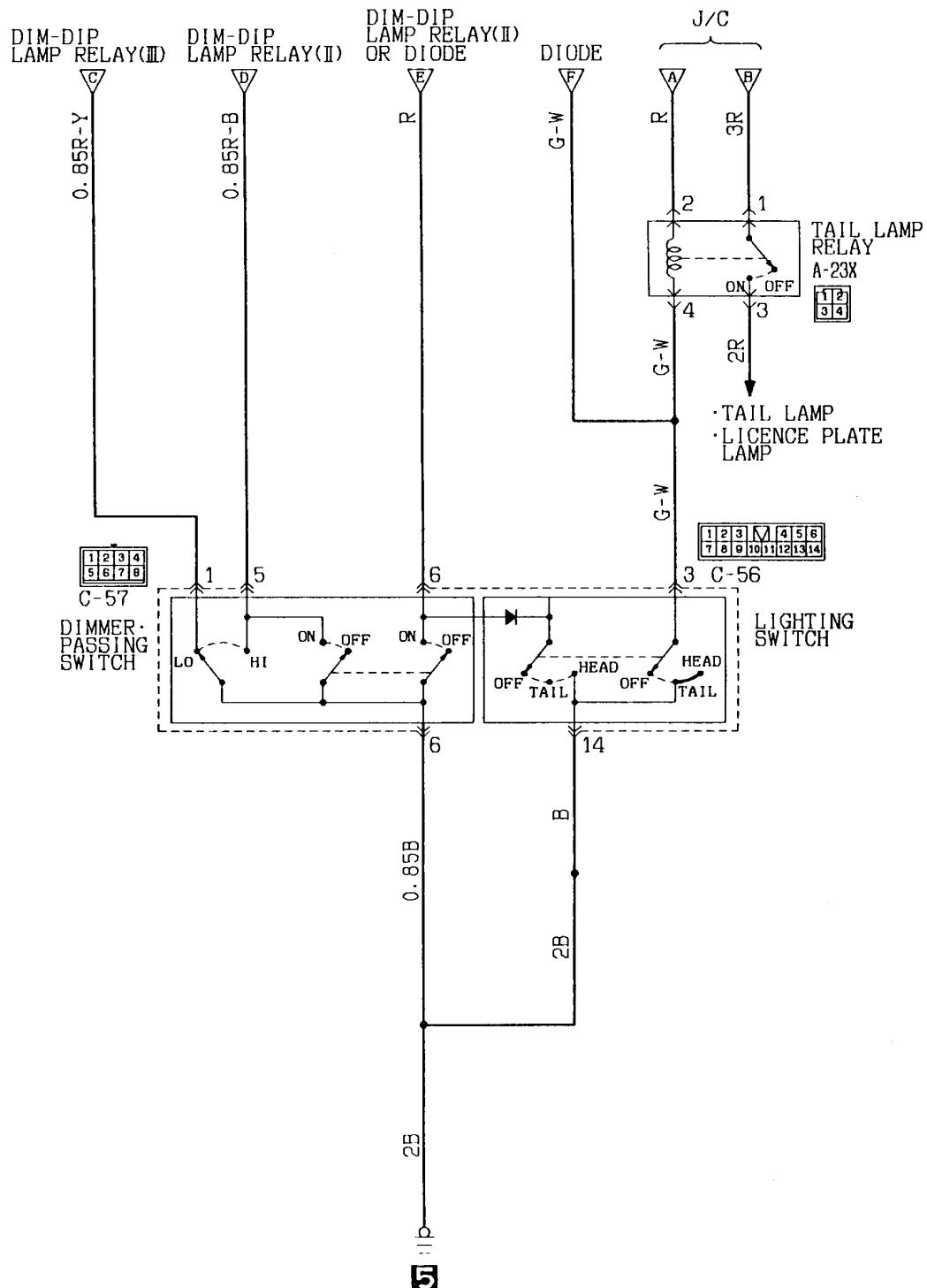
- Headlamps don't come on.
 - But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. ⑩.
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam at both sides doesn't illuminate.
 - The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - The passing signal doesn't function.
 - Check the dimmer switch.
 - Check the daytime running lamp relay (II).
 - Check the daytime running lamp control unit.
- One headlamp doesn't illuminate.
 - Check the bulb.
- Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
- With the ignition switch at the "ON" position, the headlamps' low beam does not illuminate.
 - Check the daytime running lamp relay (I).
 - Check the daytime running lamp control unit.
- Upper-beam indicator lamp does not come on.
 - Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

8-3 R. H. drive vehicles<1991 MODELS>





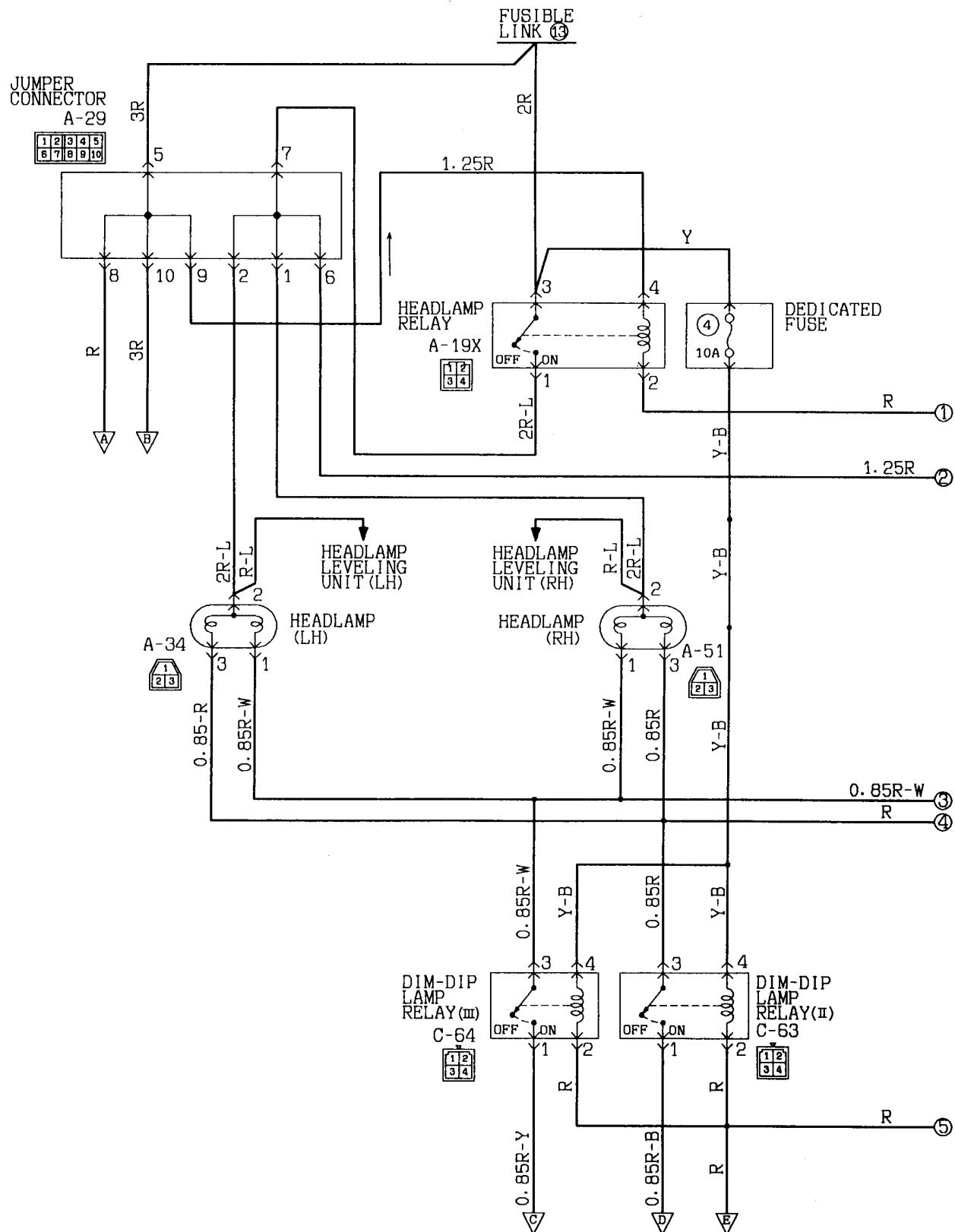
Wire colour code
 B:Black L:Light green G:Green
 BR:Brown O:Orange GR:Gray R:Red
 W:White P:Pink Y:Yellow V:Violet
 SB:Sky blue



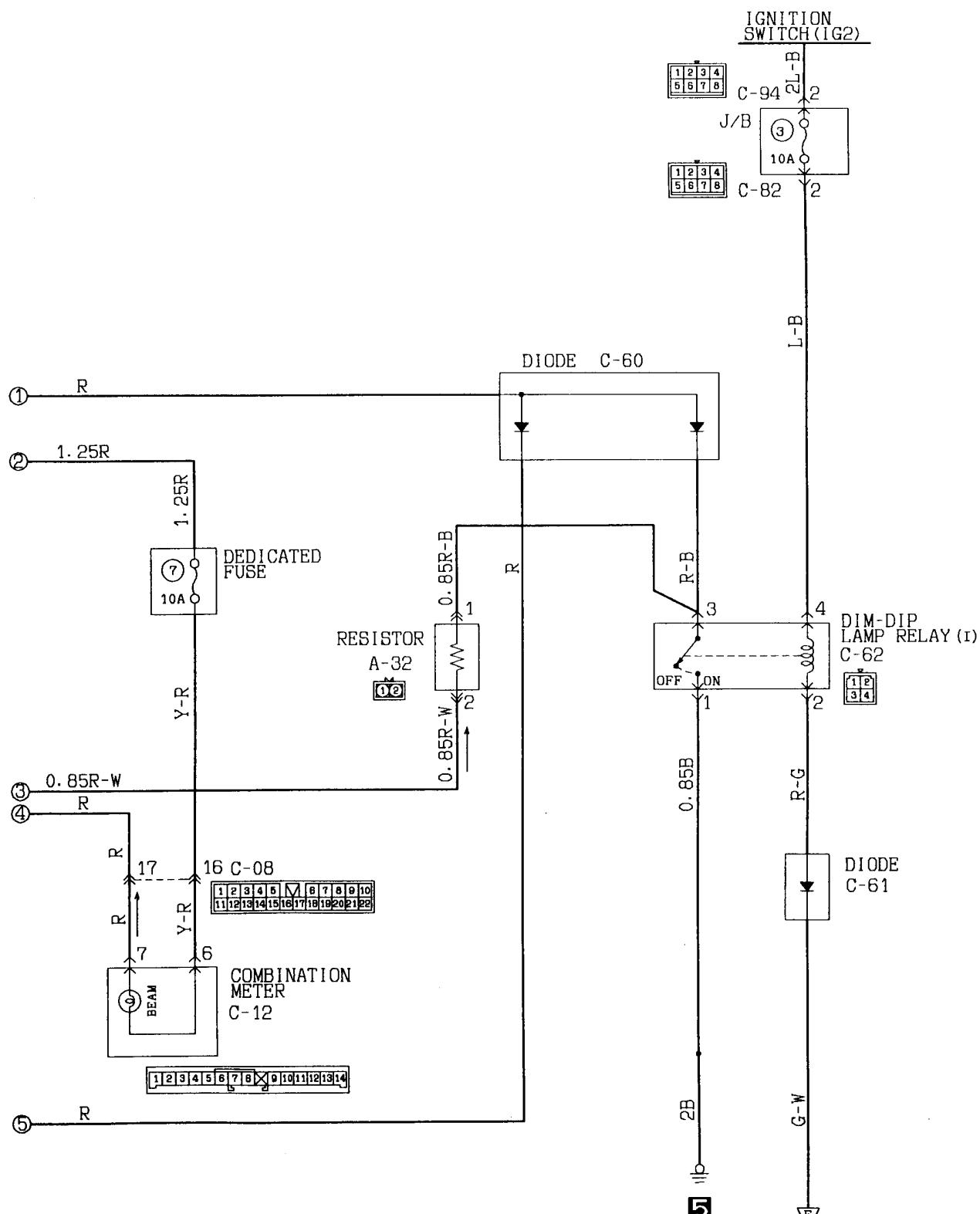
Wire colour code
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 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

NOTES

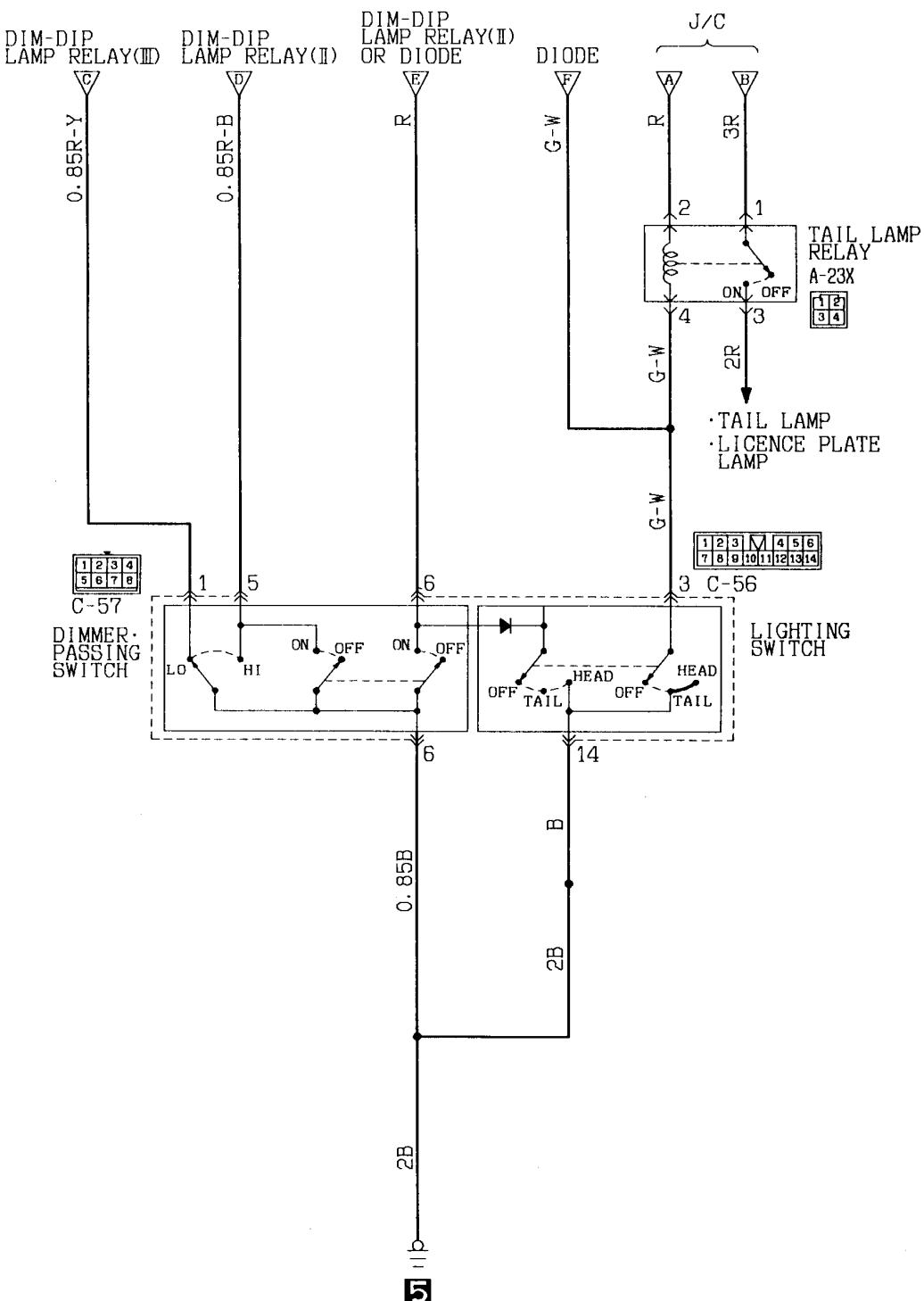
8-3 R. H. drive vehicles<1993 MODELS>



KX35-AC-Q0817-EC



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



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

HEADLAMP <R.H. drive vehicles> (See P. 4-50.)**OPERATION**

Headlamp Relay ON Conditions

<1991 Models>

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	—	ON
"ACC" or "ON"	"HEAD"	—	ON
"ACC" or "ON"	—	ON	ON

<1993 Models>

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

<Dim-dip lamp operation>

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (I) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

TROUBLESHOOTING HINTS

1. Headlamps don't come on.
 - 1) But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - Check the dim-dip lamp relays (II) and (III).
 - 2) The tail lamps also don't illuminate.
 - Check the fusible link No. ⑯.
2. The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
 - 1) The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - 2) The passing signal doesn't function.
 - Check the dimmer switch.
4. One headlamp doesn't illuminate.
 - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
 - 1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
 - Check the dim-dip lamp relay (I).
 - Check the resistor.
 - Check the diode.
7. Upper-beam indicator lamp does not come on.
 - 1) Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

HEADLAMP <R.H.drive vehicles> (See P. 4-50.)**OPERATION**

Headlamp Relay ON Conditions

Ignition switch	Lighting switch	Dimmer/ passing switch	Headlamp relay
"ON"	"TAIL"	—	ON
"ACC" or "ON"	"HEAD"	—	ON
"ACC" or "ON"	—	ON	ON

<Dim-dip lamp operation>

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay (I) to be energized.
- This causes the headlamp relay to be also energized resulting in the headlamps being lit up dimly through the circuit by way of resistor.

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

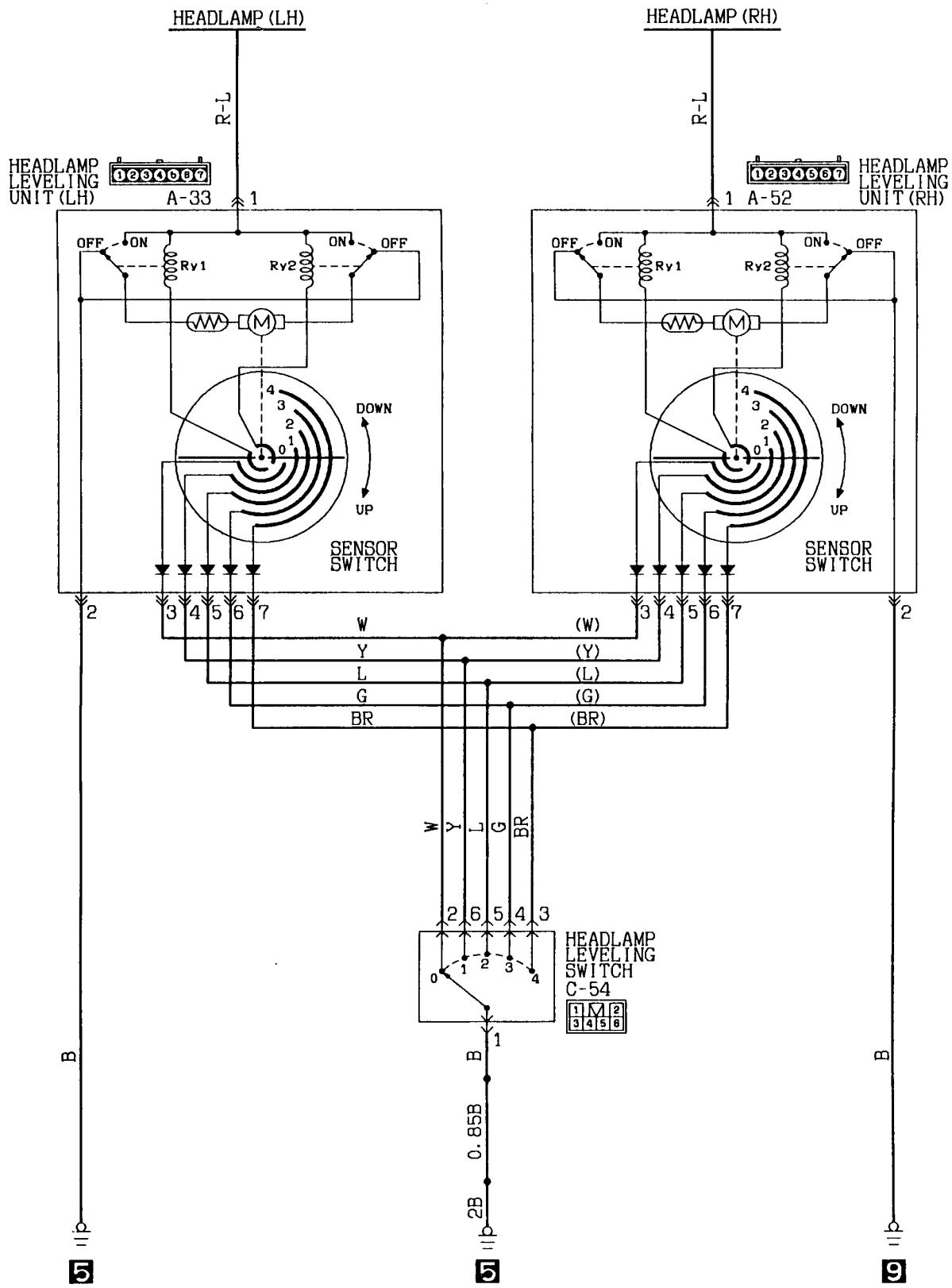
- This lamp lights up when the upper/passing beams are on, indicating that the headlamps are on in upper beam.

TROUBLESHOOTING HINTS

1. Headlamps don't come on.
 - 1) But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - Check the dim-dip lamp relays (II) and (III).
 - 2) The tail lamps also don't illuminate.
 - Check the fusible link No. ⑬.
2. The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
 - 1) The passing signal functions OK.
 - Check the dimmer switch HI contacts.
 - 2) The passing signal doesn't function.
 - Check the dimmer switch.
4. One headlamp doesn't illuminate.
 - Check the bulb.
5. Can't switch from low to upper beam or vice-versa.
 - Check the dimmer switch.
6. The headlamps' low beam does not illuminate at the "TAIL" position of the lighting switch.
 - 1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
 - Check the dim-dip lamp relay (I).
 - Check the resistor.
 - Check the diode.
7. Upper-beam indicator lamp does not come on.
 - 1) Headlamp upper beams are operational.
 - Check dedicated fuse No. ⑦.
 - Check the indicator lamp bulb.

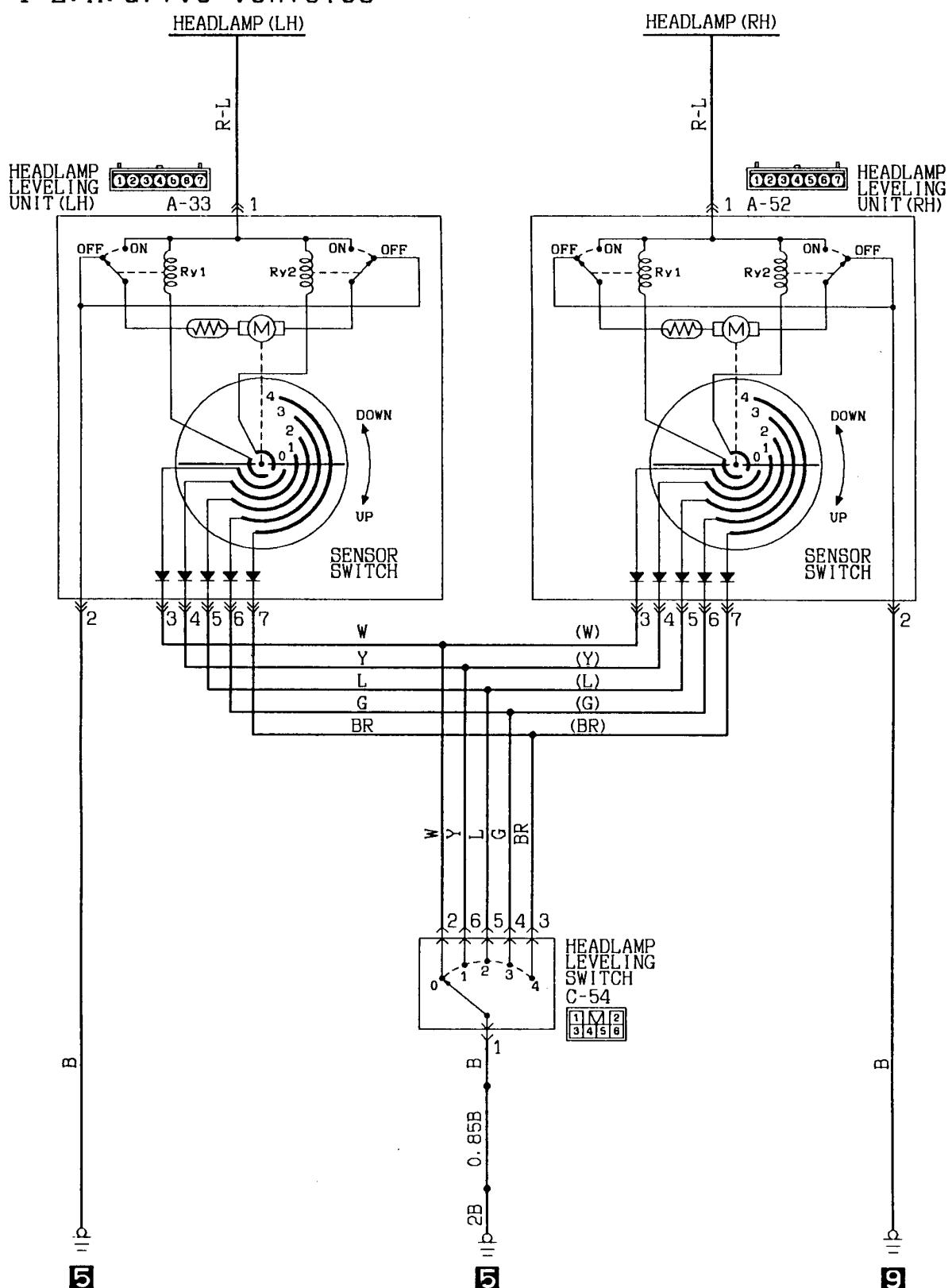
9 HEADLAMP LEVELING SYSTEM

9-1 L. H. drive vehicles

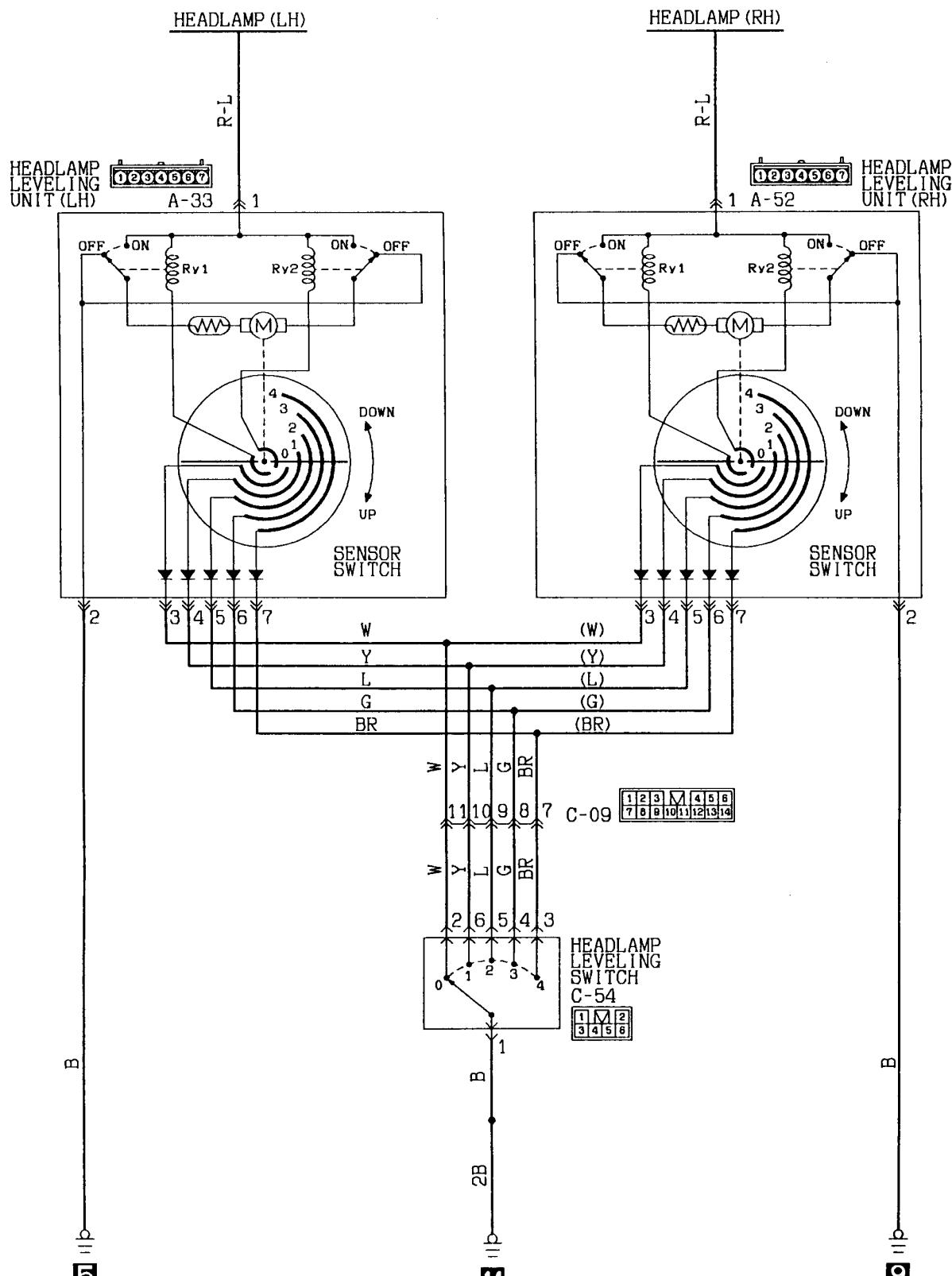


9 HEADLAMP LEVELING SYSTEM

9-1 L. H. drive vehicles



9-2 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	

HEADLAMP LEVELING SYSTEM (See P. 4-54, 55.)**OPERATION****Downtilt operation**

- When the headlamps are switched ON, battery voltage is applied, from the headlamp relay to the headlamp leveling unit.
- When the headlamp leveling switch setting is changed from the "0" position to the "1" position, electricity flows from Relay 2 to print base 1 to the headlamp leveling switch and to earth; the Relay 2 contacts are thus switched ON and the motor is activated. As a result, the headlamp leveling unit's shaft is pushed outward, the reflector tilts downward, and the optical axis of the headlamps is tilted in the downward direction.
- At the same time, the contacts of the sensor switch, which are interlocked with the movement of the motor, also turn in the "DOWN" direction, and, at the position where there is no longer contact of print base 1 and the brush contact, Relay 2 is switched OFF and the motor stops.
- In the same way as described above, when the headlamp leveling switch setting is changed from the "1" position to the "2" position and further to the "3" position and the "4" position, the motor continues to rotate so that the headlamp leveling unit's shaft is pushed outward, tilting the reflector further downward; the optical axis of the headlamps is at the maximum downward tilt at the "4" position of the headlamp leveling switch.

Return operation

- When the setting of the headlamp leveling switch is changed from the "4" position to the "3" position, electricity flows from Relay 1 to print base 3 to the headlamp leveling switch and to earth; the Relay 1 contacts are thus switched ON, and the motor rotates in the direction opposite to that for downtilt. As a result, the headlamp leveling unit's shaft is drawn inward, the tilt of the reflector is reduced, and the optical axis of the headlamps is changed in the upward direction.
- At the same time, the contacts of the sensor switch turn in the "UP" direction, and, at the position where there is no longer contact of print base 3 and the brush contact, Relay 1 is switched OFF and the motor stops.
- When the setting of the headlamp leveling switch is further changed from the "3" position to the "2" position and to the "1" position, the motor continues to rotate, and the optical axis of the headlamps returns to the minimum tilt position at the "0" setting of the switch.
- In order to prevent overheat damage to the motor as a result of frequent operation of the headlamp leveling system, a thermistor is provided in the circuitry within the headlamp leveling unit.

TROUBLESHOOTING HINTS

1. No operation of the headlamp leveling system.
 - Check the headlamp leveling switch.
 - Check the headlamp leveling unit.
2. Either the left or right part of the headlamp leveling system does not operate.
 - Check the headlamp leveling unit for the side that does not operate.
3. Either the downtilt operation or the return operation does not function.
 - Check the headlamp leveling unit.

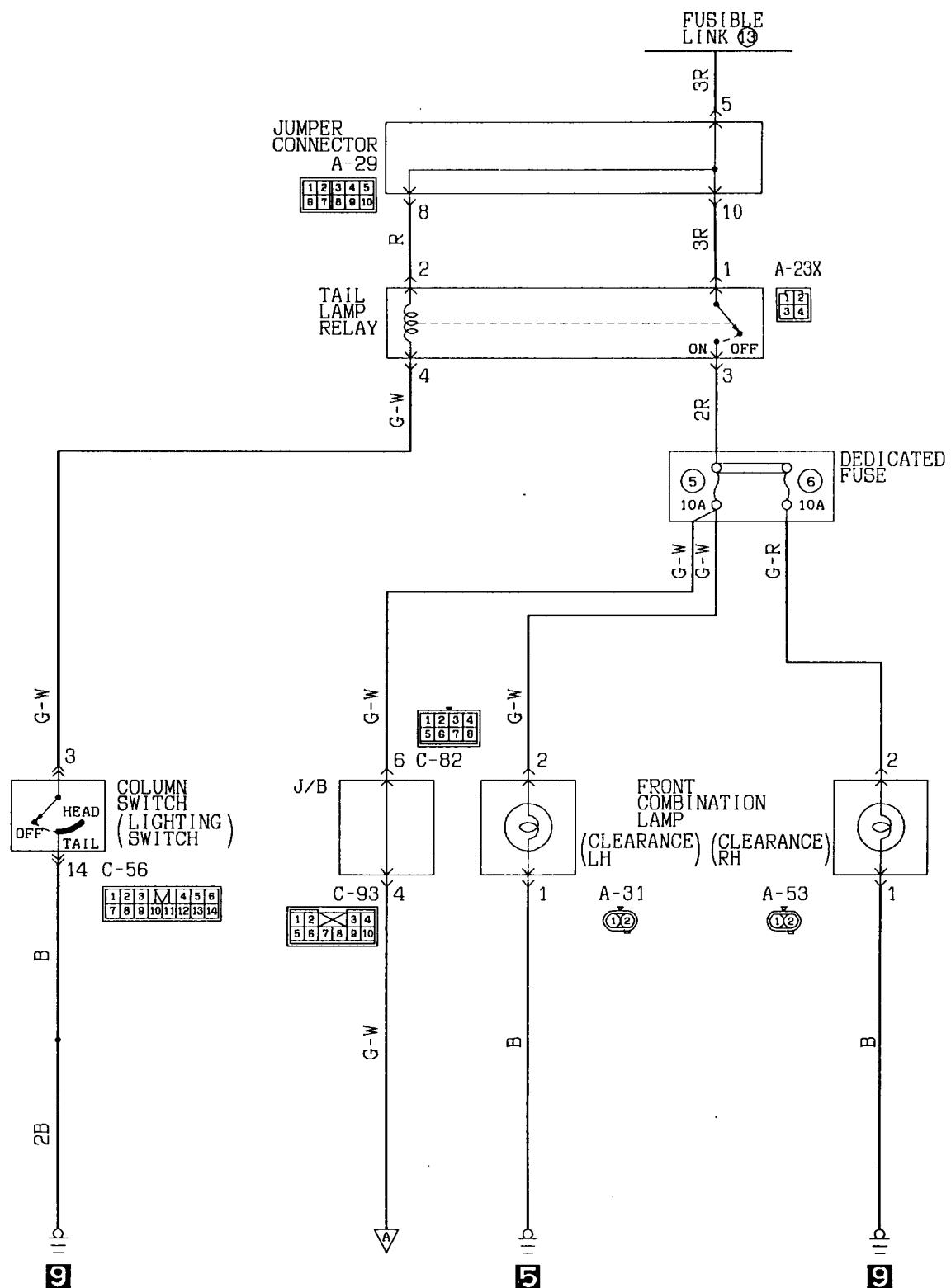
TAIL LAMP, CLEARANCE LAMP AND LICENSE PLATE LAMP (See P. 4-58.)**OPERATION**

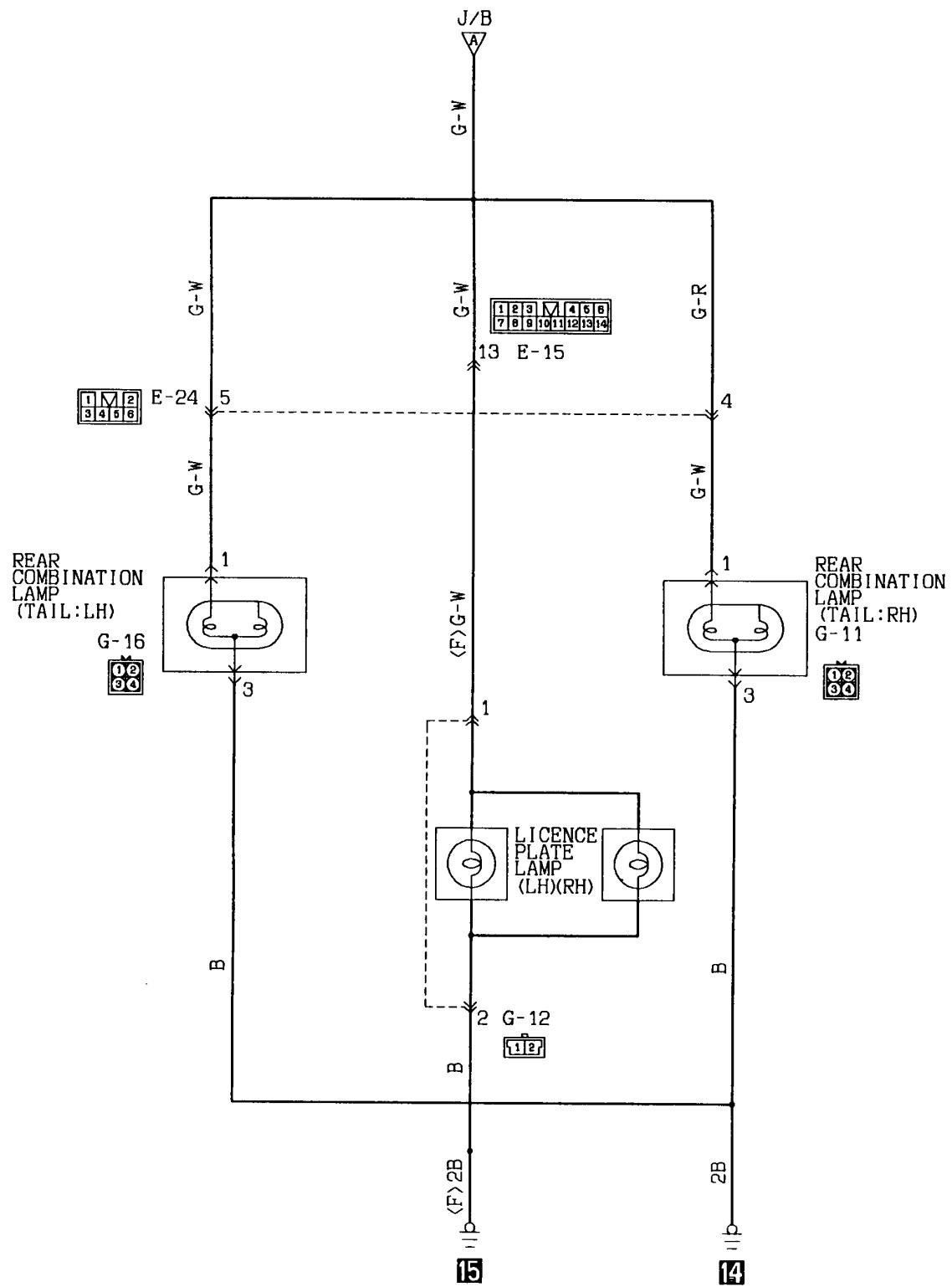
- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- As a result, current flows by way of dedicated fuse No. ⑤ and No. ⑥ to each lamp, causing the lamp to come on.

TROUBLESHOOTING HINTS

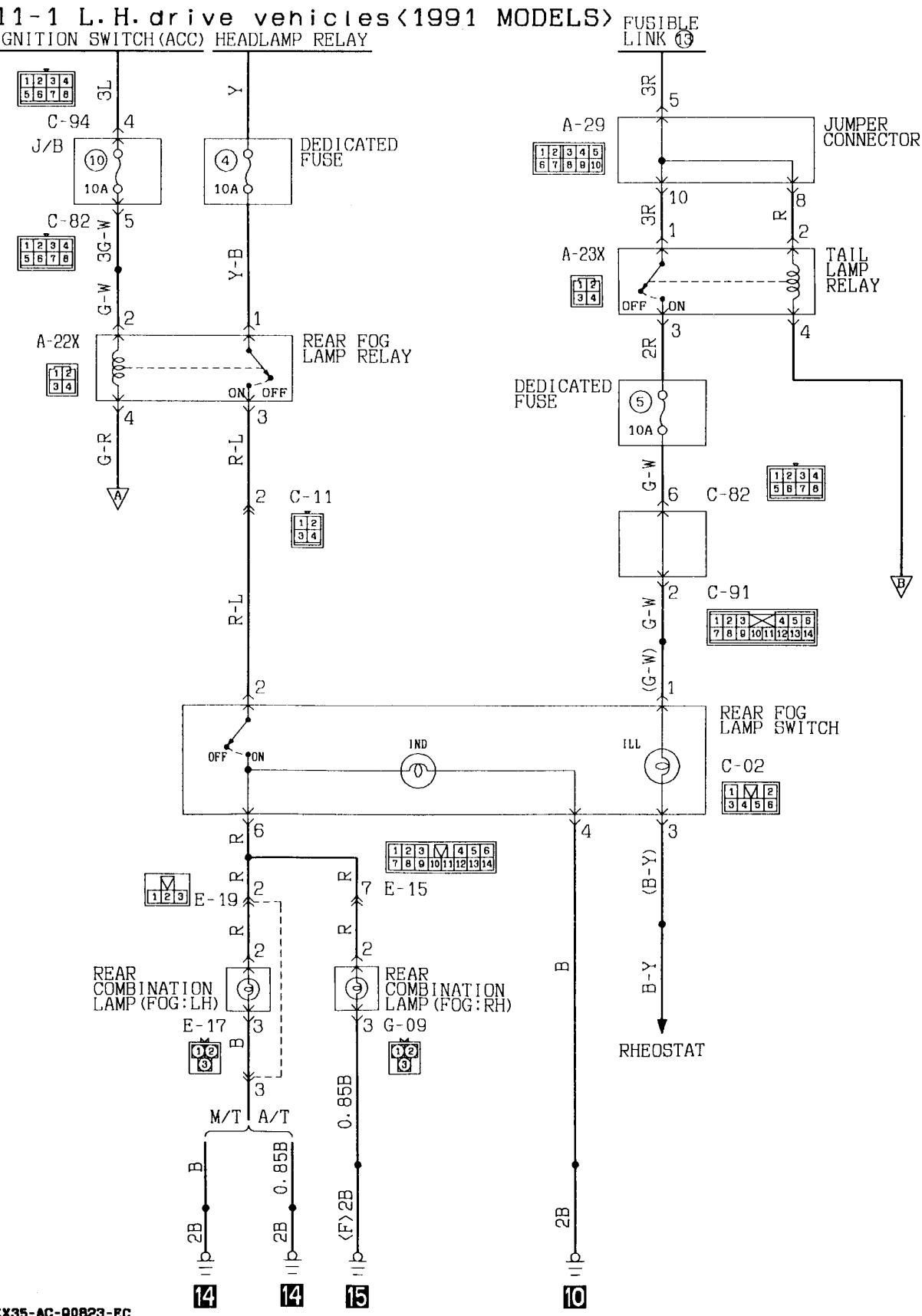
1. No lamp come on.
 - 1) Headlamps do not come on, either.
 - Check fusible link No. ⑬.
 - 2) Headlamps do come on.
 - Check tail lamp relay.
 - Check dedicated fuse No. ⑤ and No. ⑥.

10 TAIL LAMP, CLEARANCE LAMP, LICENSE PLATE LAMP

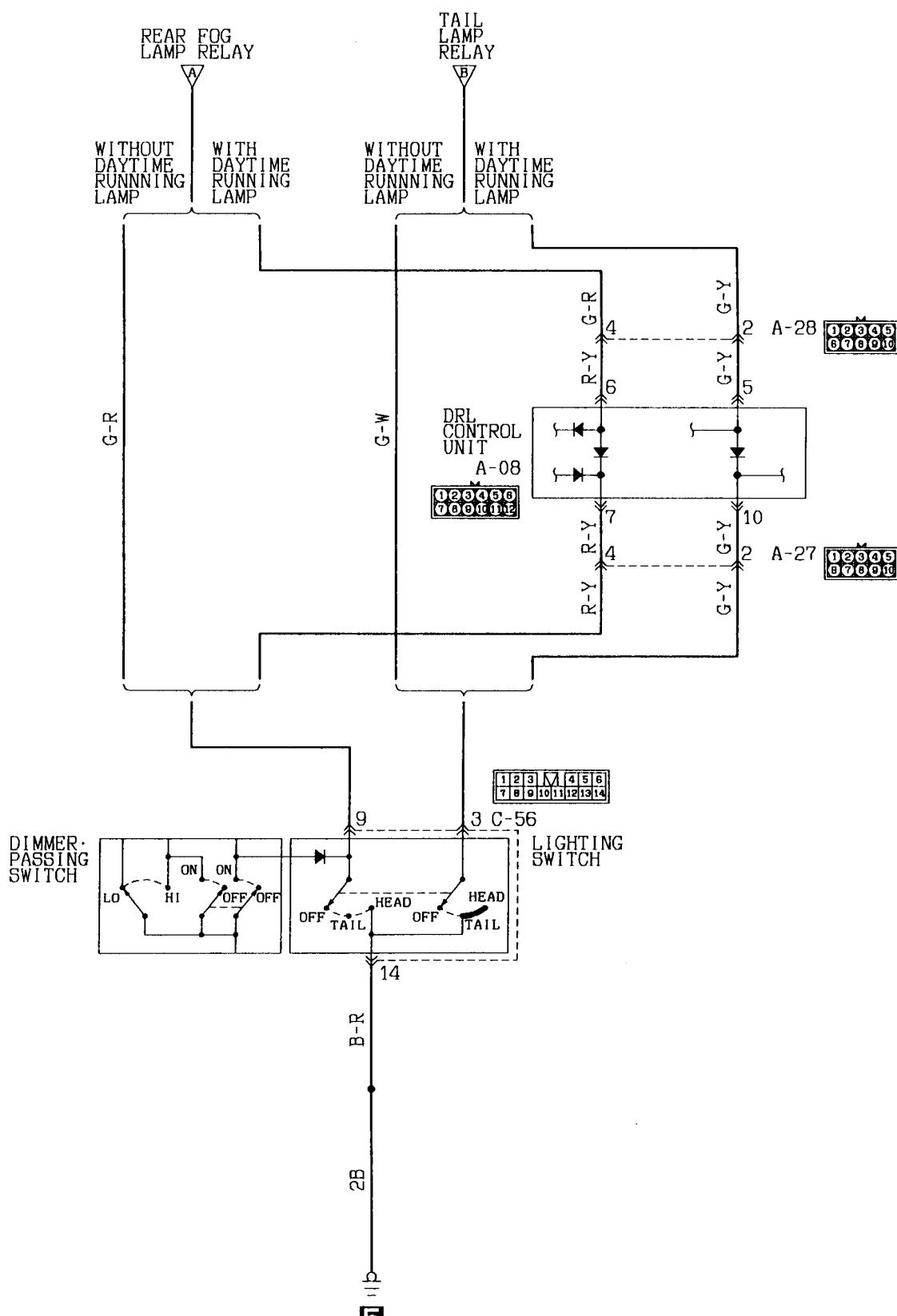




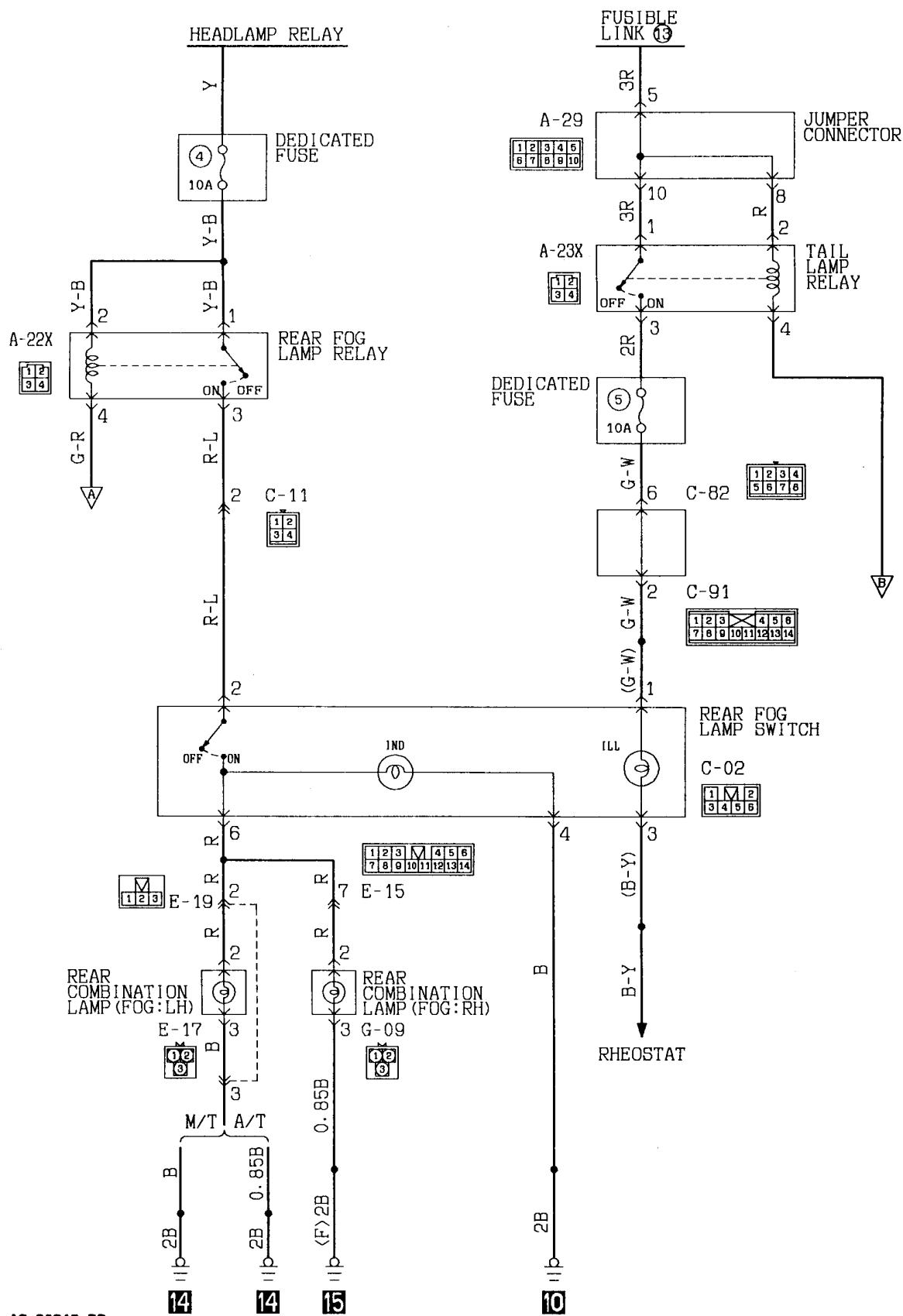
11 REAR FOG LAMP

11-1 L. H. drive vehicles <1991 MODELS>
IGNITION SWITCH (ACC) HEADLAMP RELAY

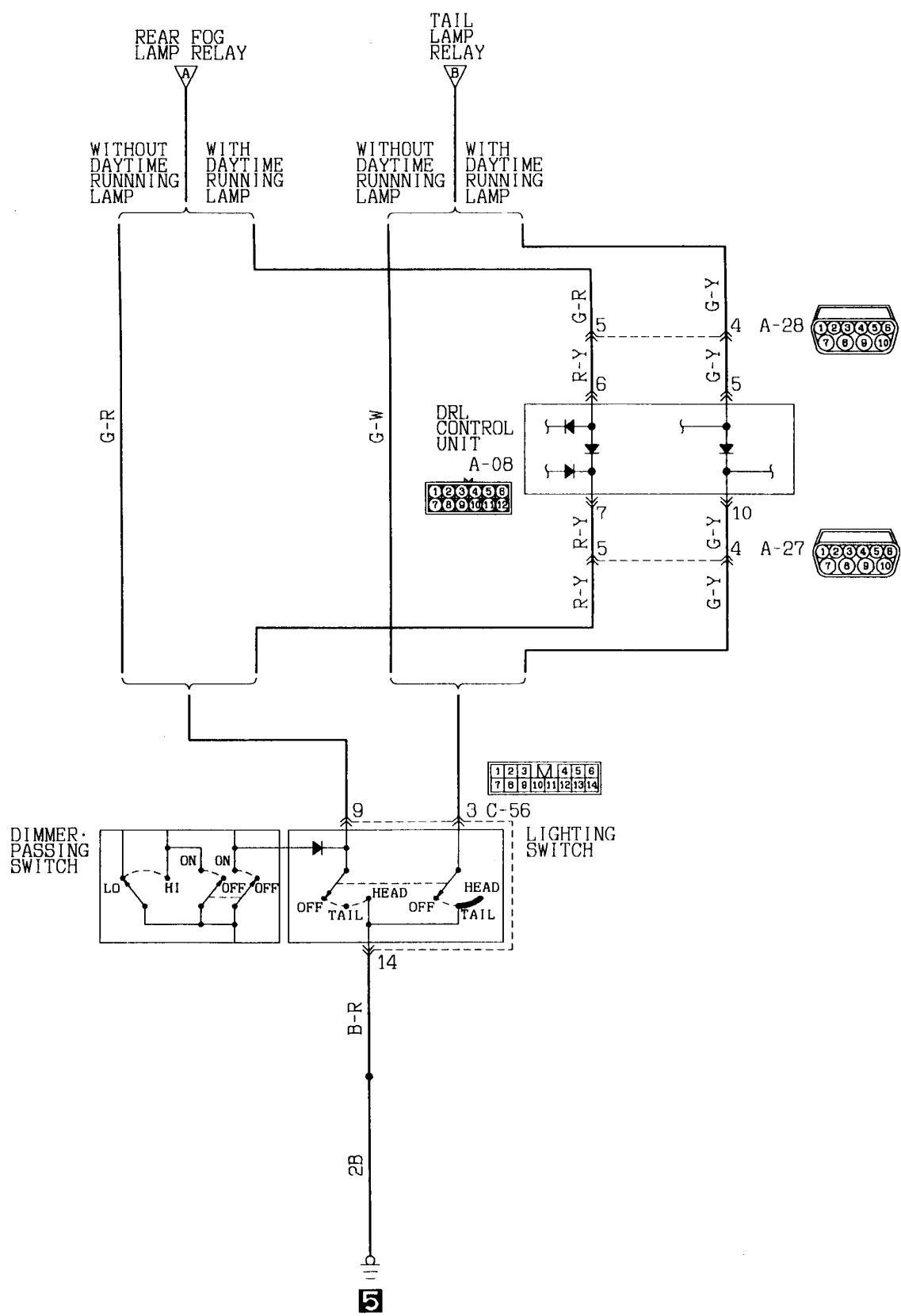
KX35-AC-00823-EC



11-1 L. H. drive vehicles<1993 MODELS>

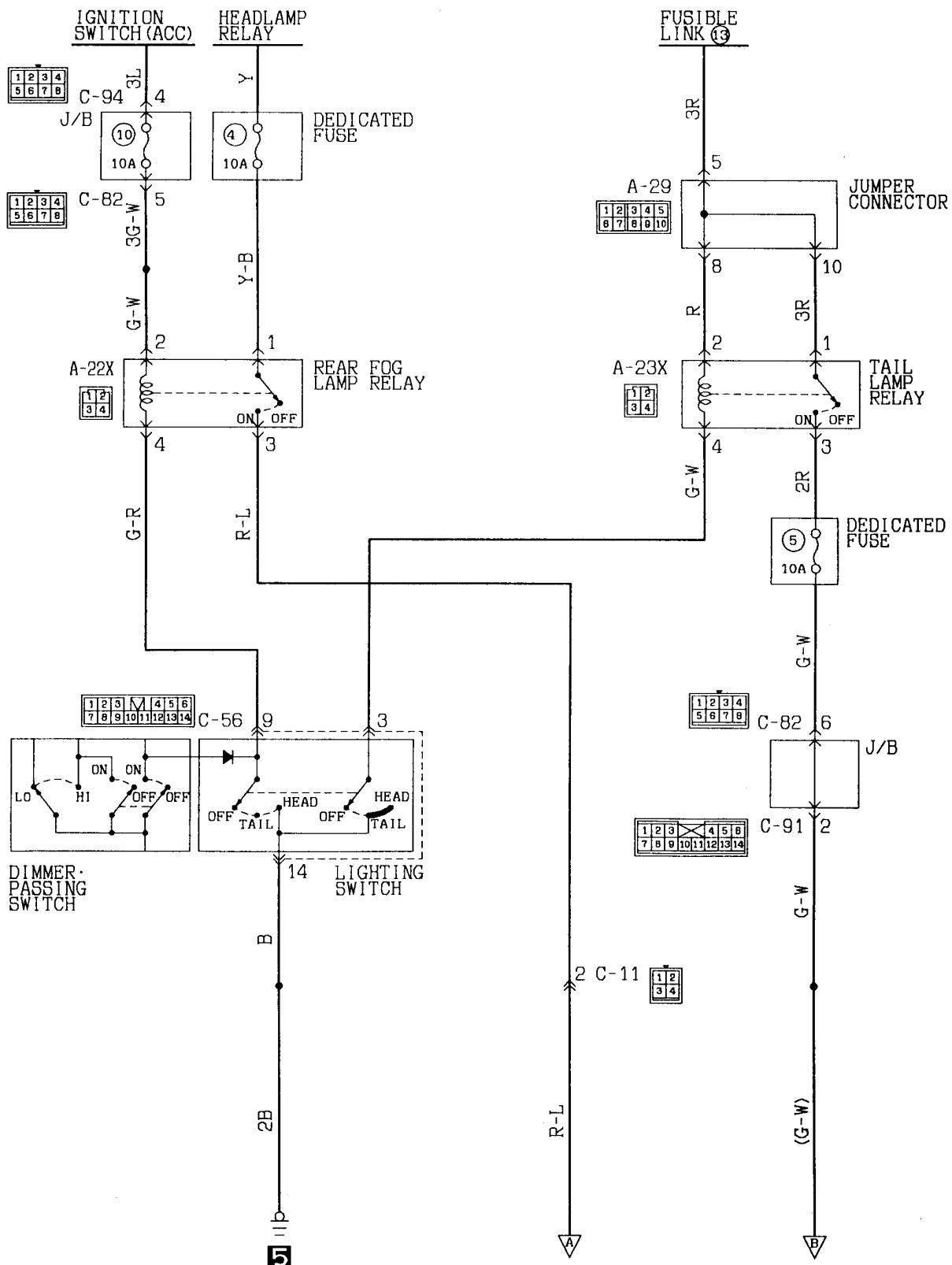


KX35-AC-00818-EC



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

11-2 R. H. drive vehicles<1991 MODELS>



KX35-AC-00B24-EC

Wire colour code

B:Black

LG:Light green

G:Green

L:Blue

W:White

Y:Yellow

SB:Sky blue

BR:Brown

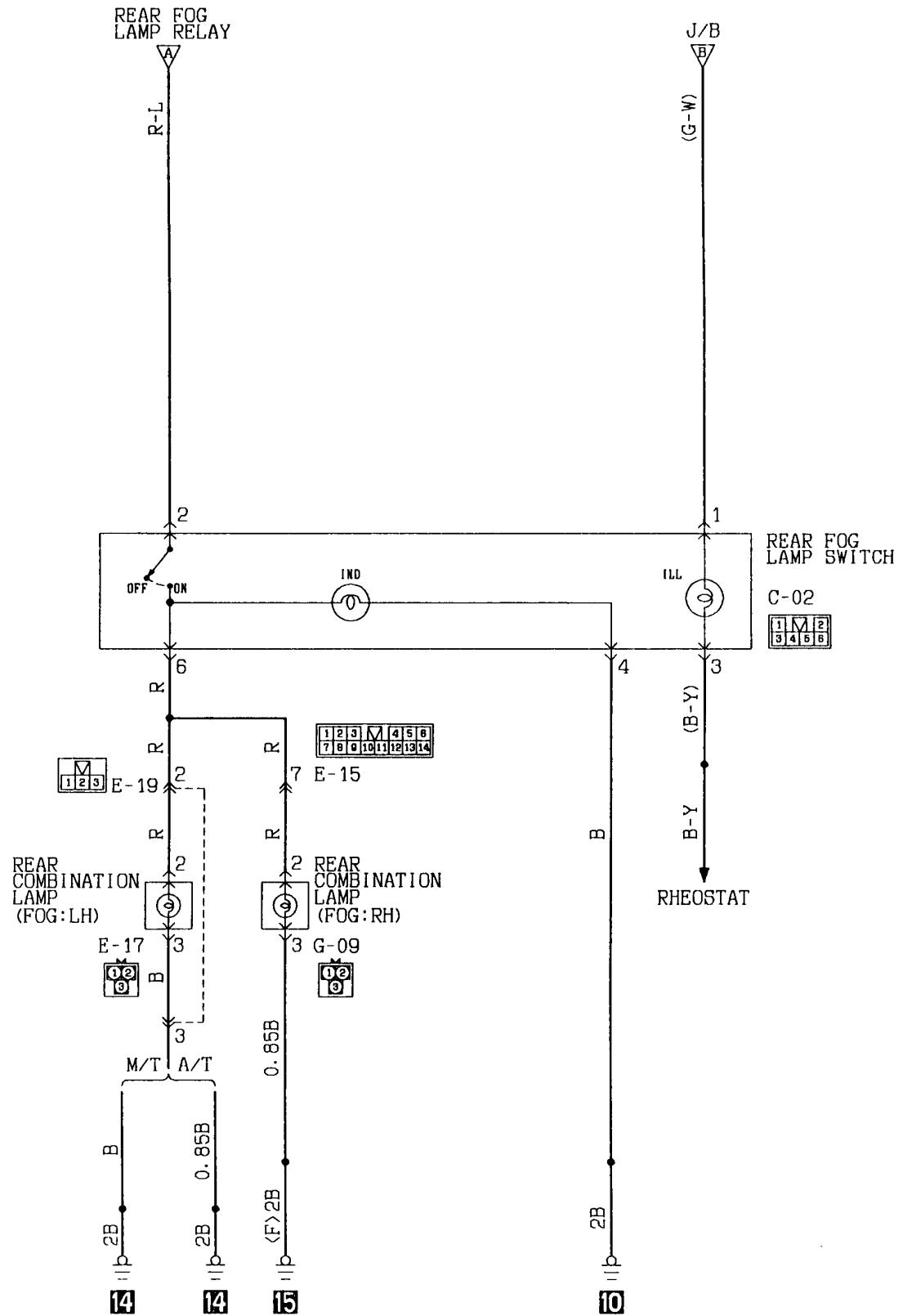
O:Orange

GR:Gray

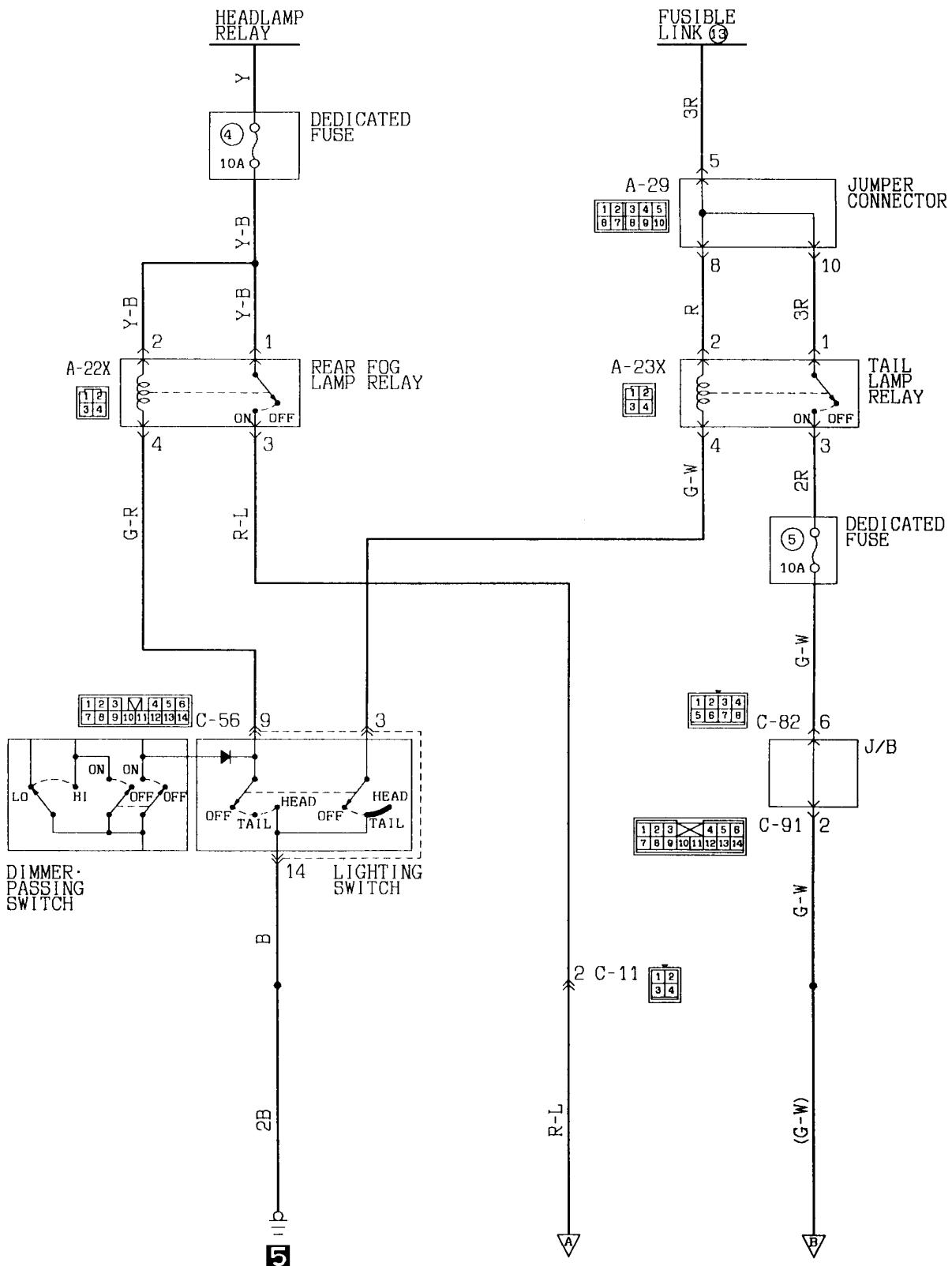
R:Red

P:Pink

V:Violet

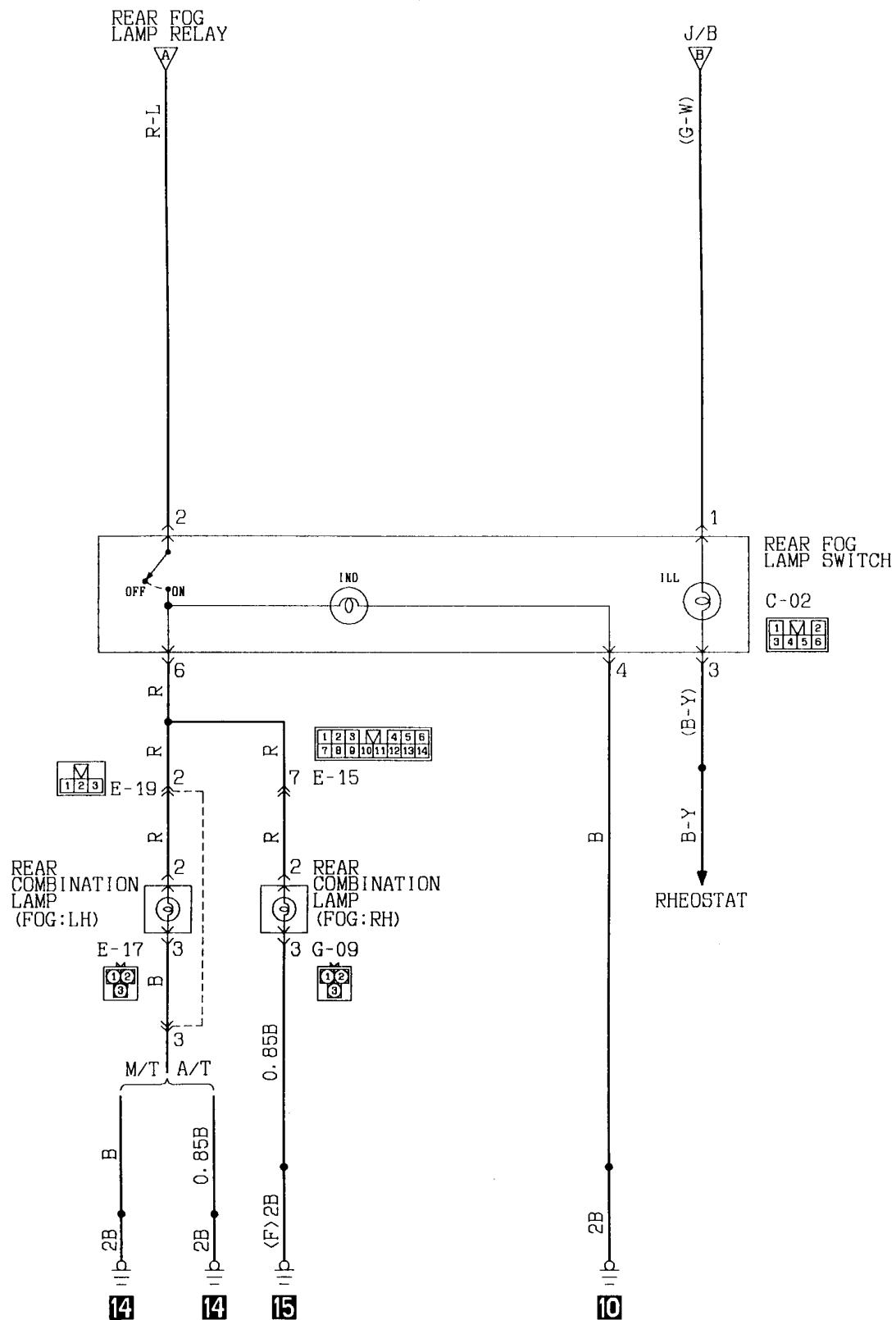


11-2 R. H. drive vehicles (1993 MODELS)



Wire colour code

KX35-AC-Q00819-EC Wire colour code
B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet



REAR FOG LAMP (See P. 4-60, 62.)**OPERATION**

- Placing the lighting switch in the HEAD position causes the rear fog lamp relay to be energized.
- When the rear fog lamp switch is turned ON in this condition, the rear fog lamp comes on.

TROUBLESHOOTING HINTS

1. The rear fog lamp doesn't illuminate.
 - 1) Headlamps come on.
 - Check the rear fog lamp relay.
 - Check the rear fog lamp switch.
 - Check the dedicated fuse No. ④.
 - 2) Headlamps do not come on, either.
 - Check the headlamp relay.
 - Check the lighting switch.
 - Check the fusible link No. ⑯.
2. The rear fog lamp at the one side doesn't illuminate.
 - Check the bulb.

ROOM LAMP (See P. 4-66, 67, 68, 69.)**OPERATION**

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

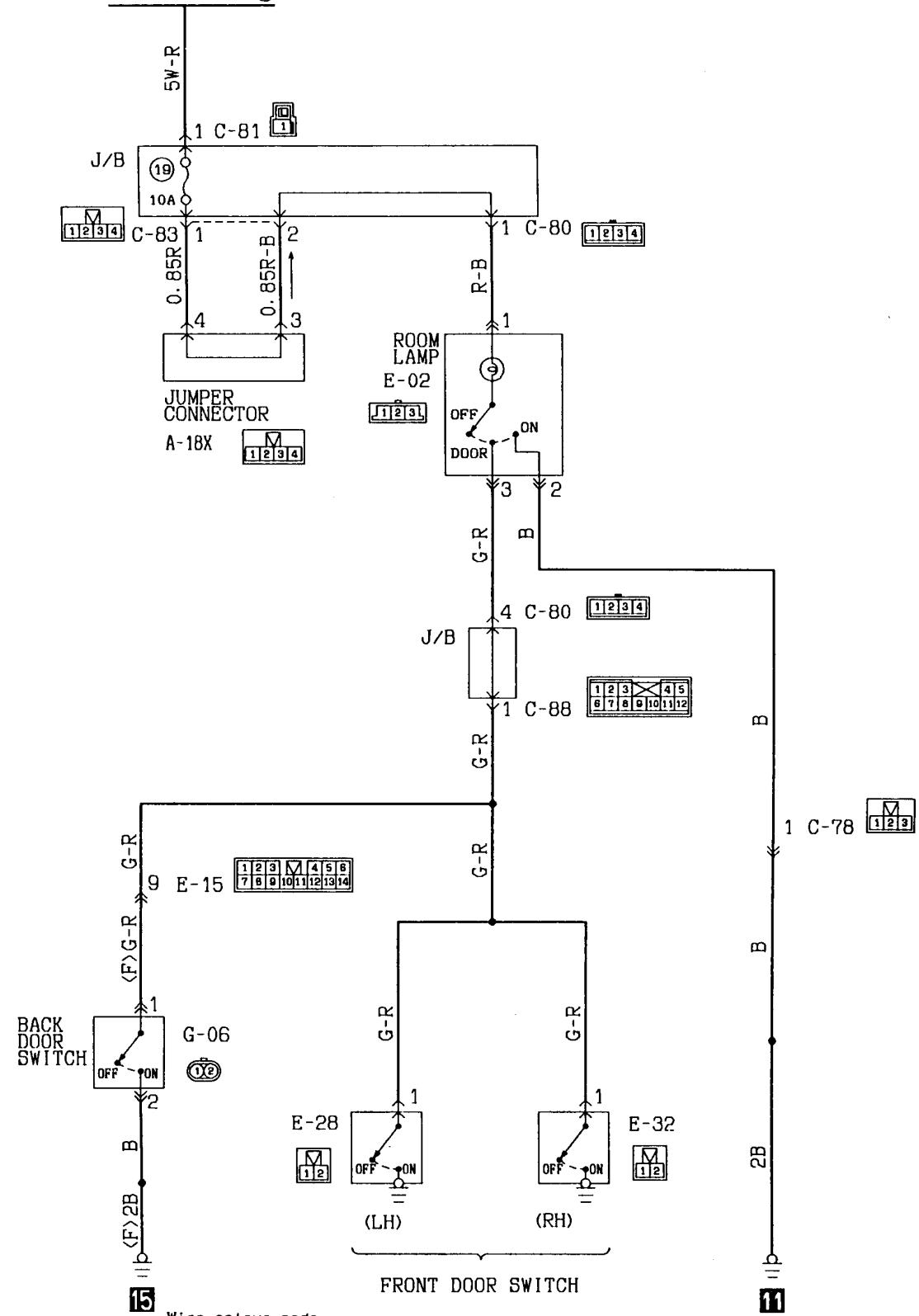
TROUBLESHOOTING HINTS

1. Room lamp does not come on.
 - 1) Clock is not operating, either.
 - Check multi-purpose fuse No. ⑯.
 - 2) Room lamp does not come on when any door is opened with the room lamp switch in the DOOR position.
 - Check bulb.
 - Check room lamp switch.
 - 3) Room lamp does not come on when a door is opened with the room lamp switch in the DOOR position.
 - Check door switch (of the suspected door).

12 ROOM LAMP

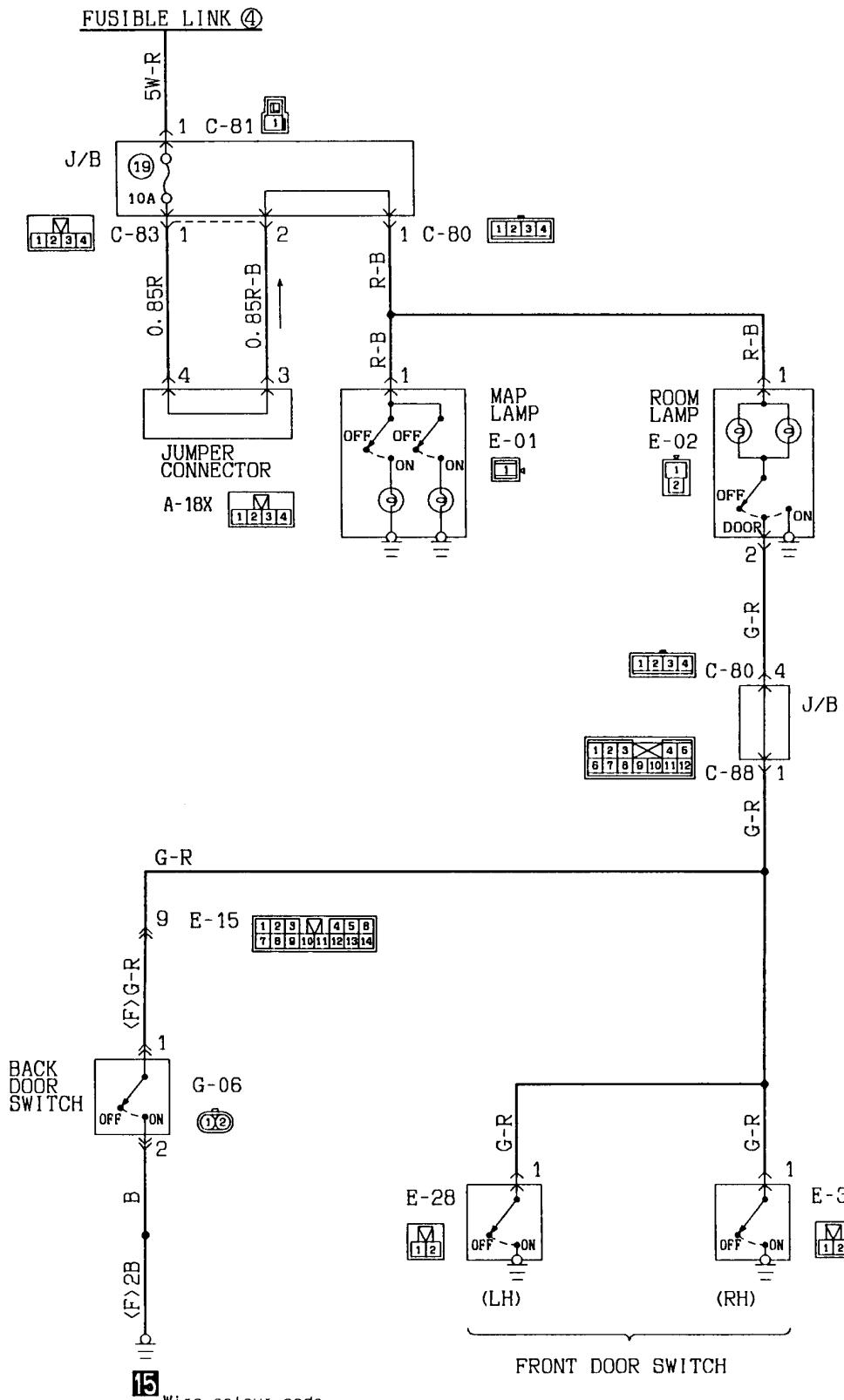
12-1 Canvas top

FUSIBLE LINK ④

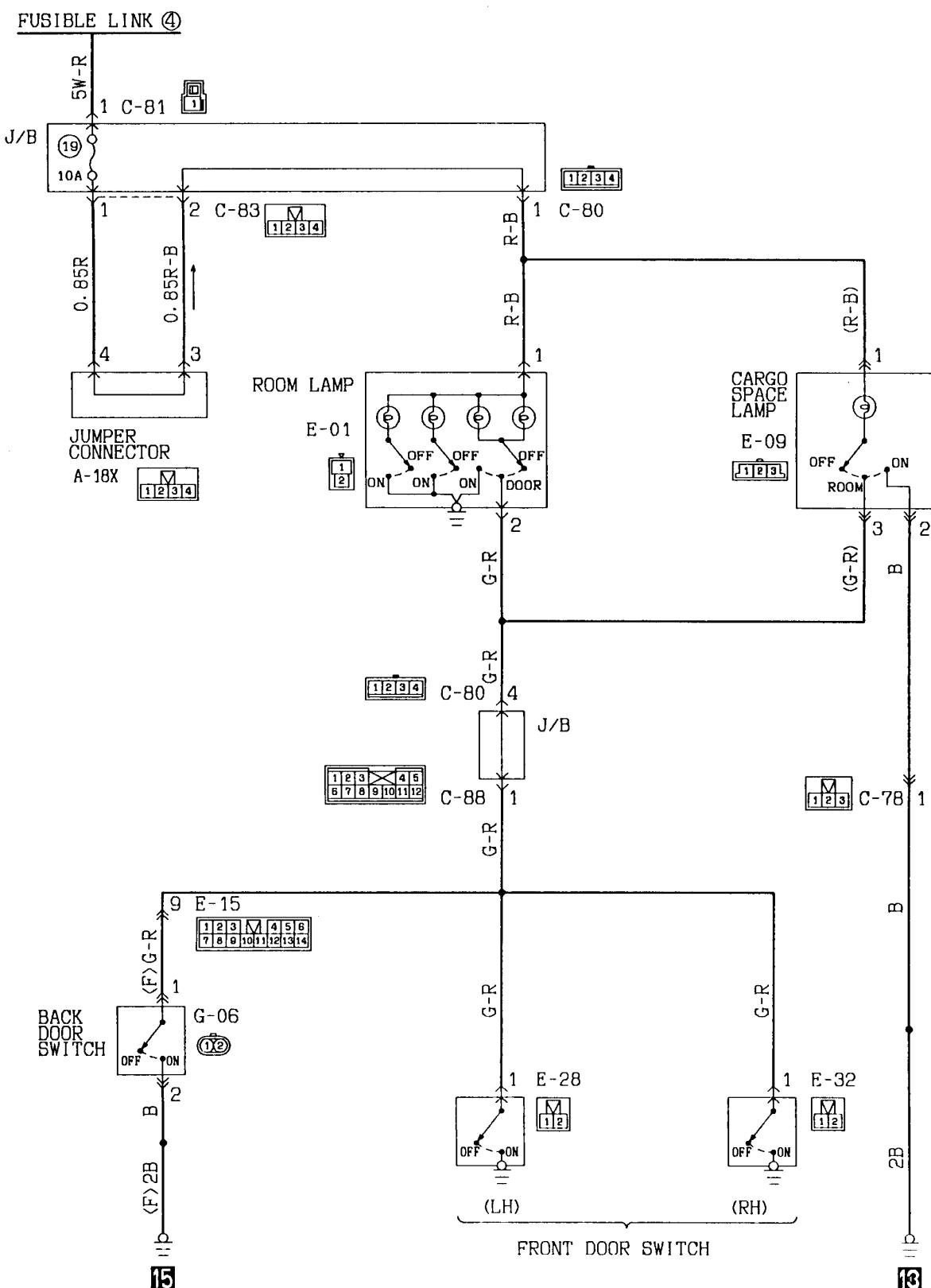


Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

12-2 2-door models without sunroof

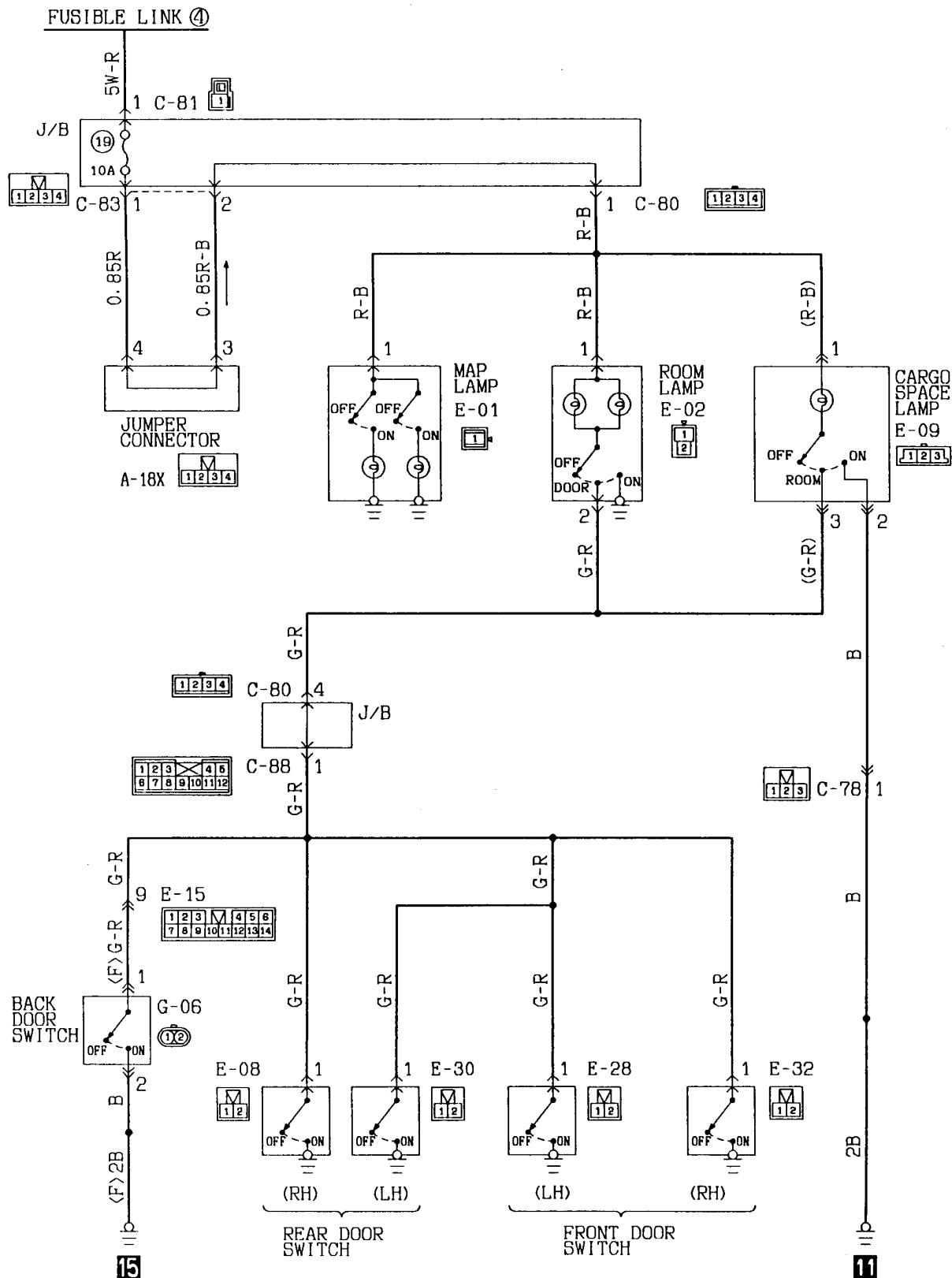


12-3 2-door models with sunroof

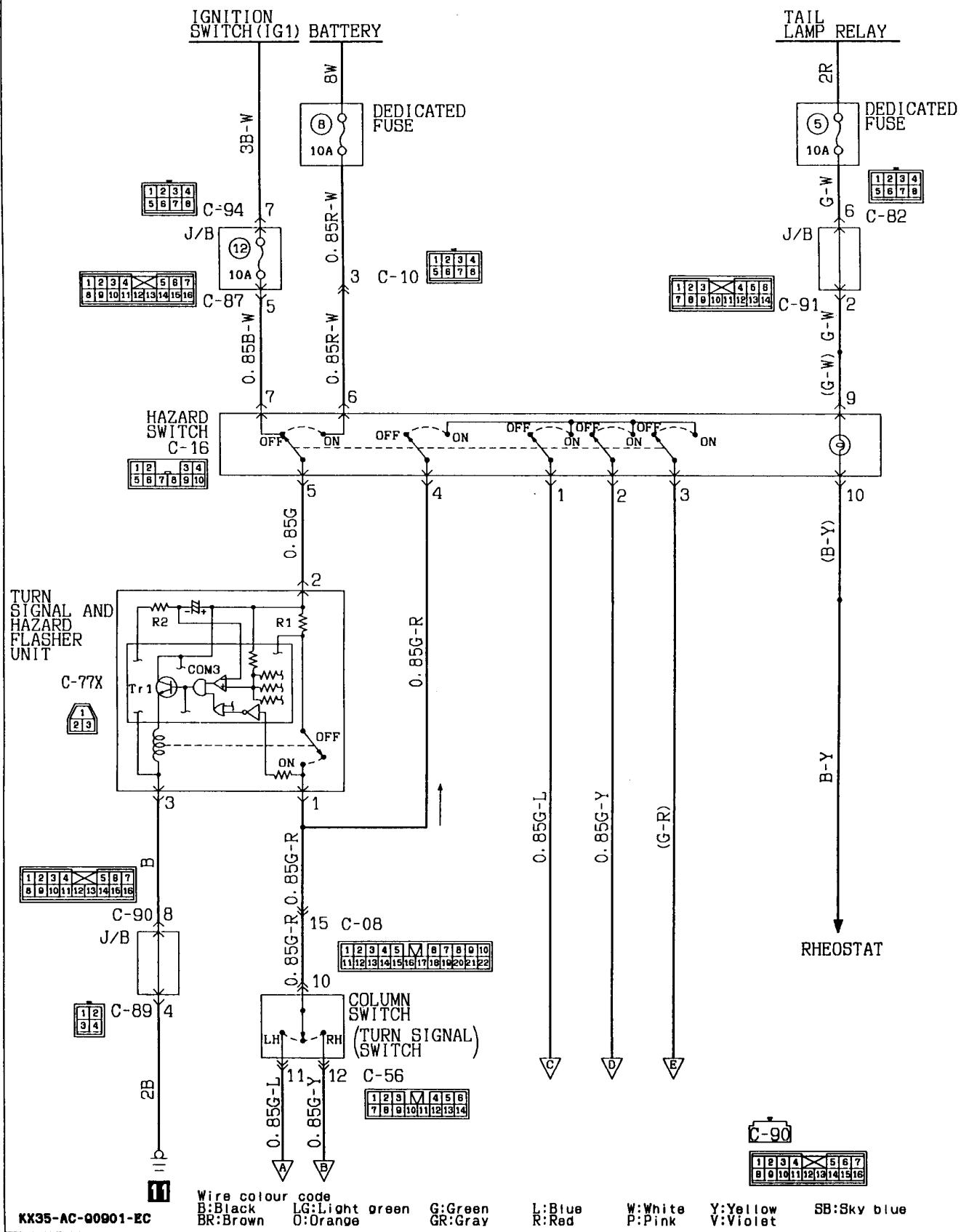


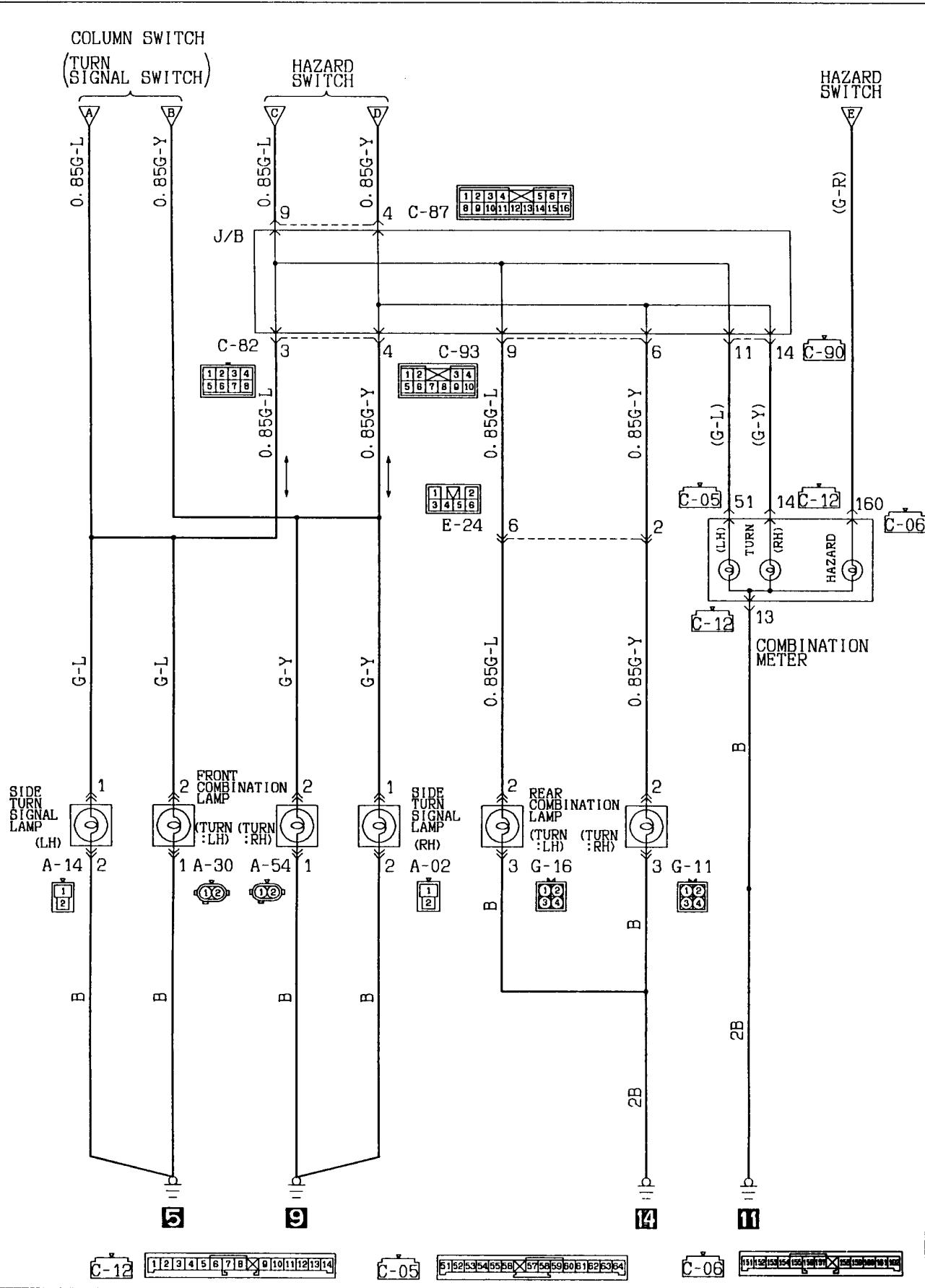
KX35-AC-90B10-EC

12-4 4-door models



13 TURN-SIGNAL LAMP AND HAZARD LAMP





TURN-SIGNAL LAMP AND HAZARD LAMP (See P. 4-70.)

OPERATION

Turn-signal lamp

1. In normal operating condition

- When the ignition switch is placed in the ON position, battery voltage is applied through the hazard switch to the turn-signal and hazard flasher unit.
- When the turn-signal switch is placed in the LH (or RH) position, T_{r1} in the flasher unit turns ON, causing the relay contacts in the flasher unit to close. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp lighting up.
- At the same time, the capacitor is charged through R^2 up to the lower limit as set by COM3.
- As soon as the capacitor is fully charged, the output from COM3 is inverted, turning OFF T_{r1} . This opens the relay contacts and, as a result, the LH (or RH) turn-signal lamp and turn-signal indicator lamp go out.
- At the same time when T_{r1} turns OFF, the capacitor starts discharging. As soon as the capacitor completes discharging, the COM3 output is inverted again causing T_{r1} to turn ON. This results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp coming on.
- These sequences of operation repeat, which results in the LH (or RH) turn-signal lamp and turn-signal indicator lamp flashing off and on.

2. When one bulb is burnt

- When either one of the turn-signal lamp bulbs goes out, it causes the resistance of the entire lamp circuit to increase; hence a smaller voltage drop at $R1$ in the flasher unit.
- This smaller voltage drop is sensed and the lower voltage limit set by COM3 is raised, thus shortening the time required by the capacitor before it is fully charged.
- As a result, the on-off cycle of T_{r1} becomes shorter with the resultant greater number of times the lamp flashes on and off.

Hazard lamp

- When the hazard switch is placed in the ON position, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

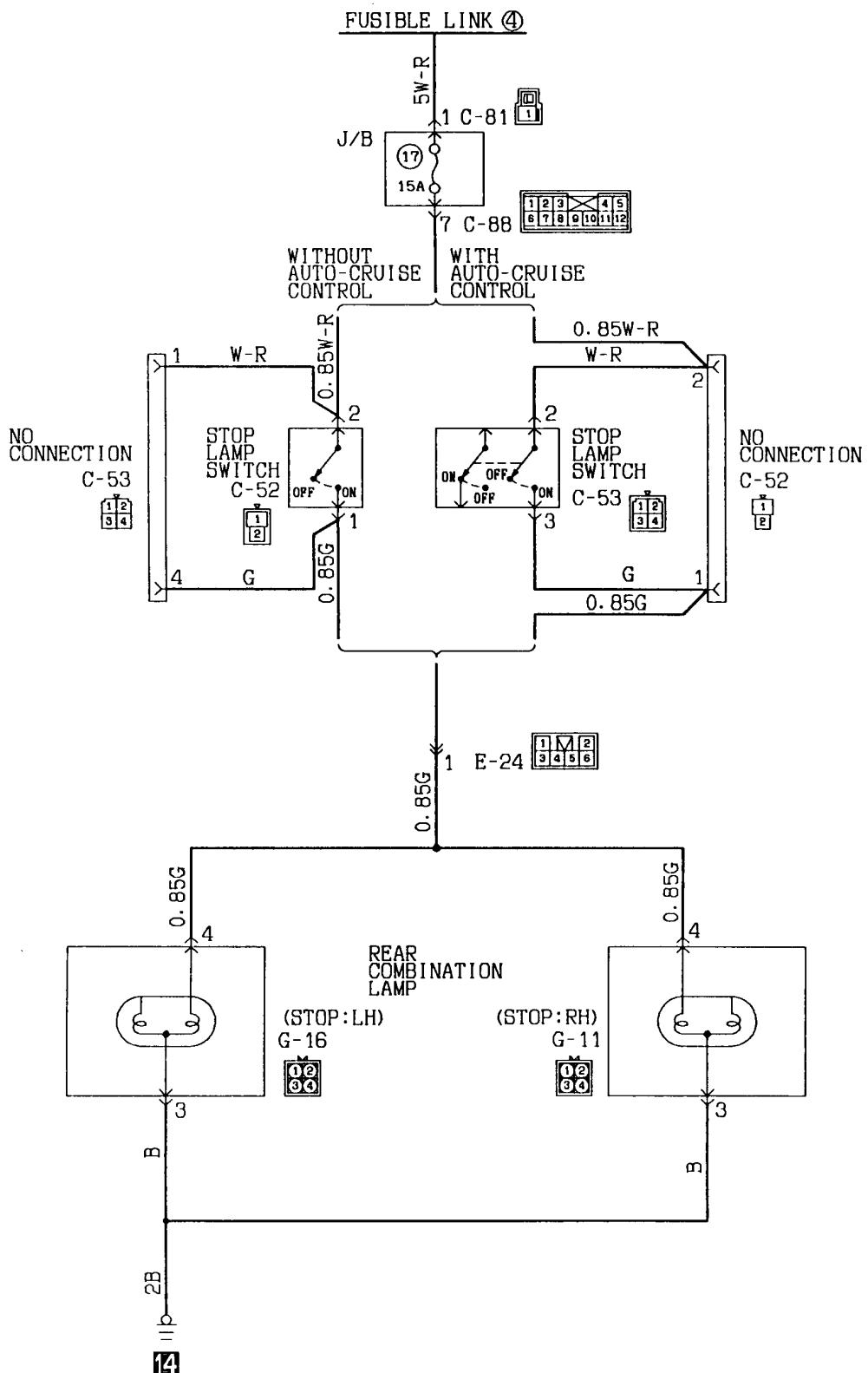
Remark

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

TROUBLESHOOTING HINTS

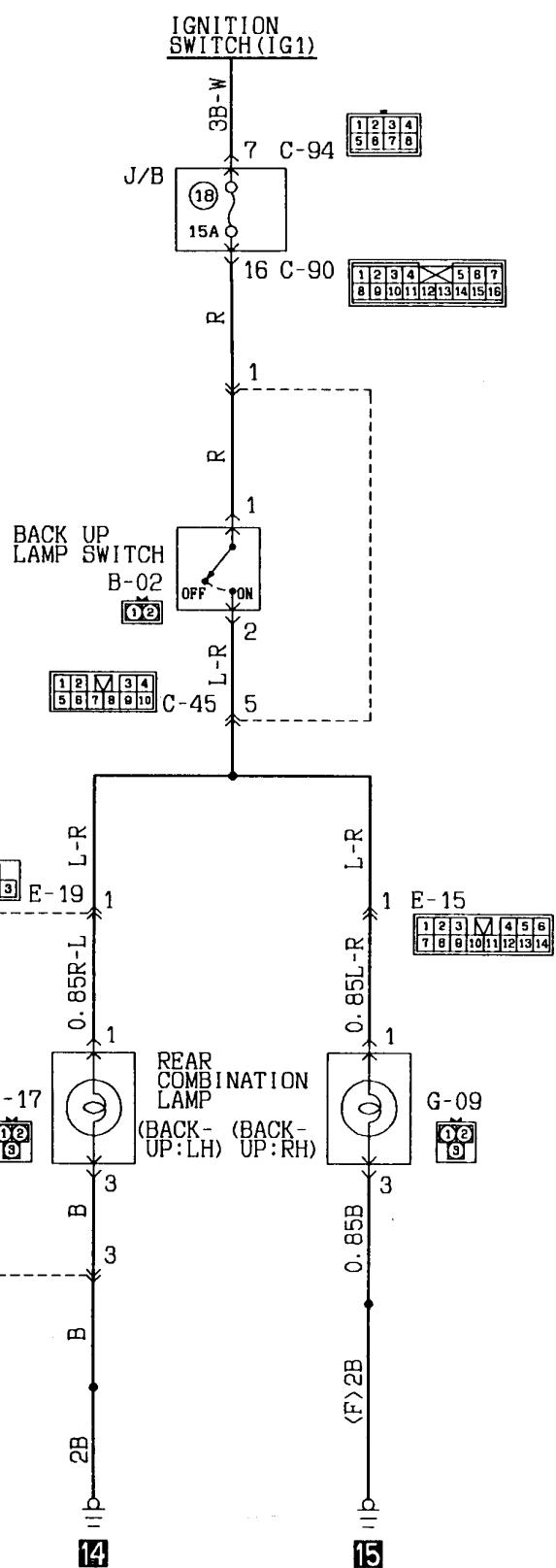
1. Neither the turn-signal lamps nor hazard lamps operate.
 - Check hazard switch contacts (on power source end).
 - Check flasher unit.
2. All LH or RH turn-signal lamps do not operate.
 - 1) Hazard lamp is fully operational.
 - Check hazard switch contacts (on turn-signal end).
 - Check turn-signal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

14 STOP LAMP

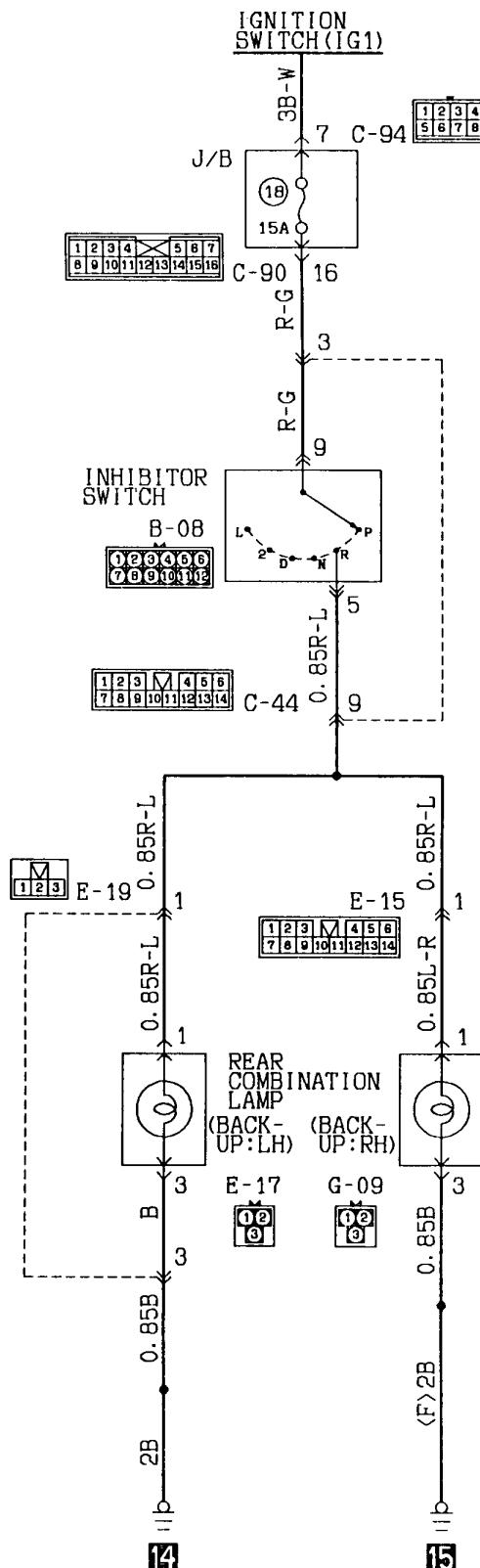


15 BACK-UP LAMP

15-1 M/T



15-2 A/T



Wire colour code

B:Black

BR:Brown

LG:Light green

O:Orange

G:Green

GR:Gray

L:Blue

R:Red

W:White

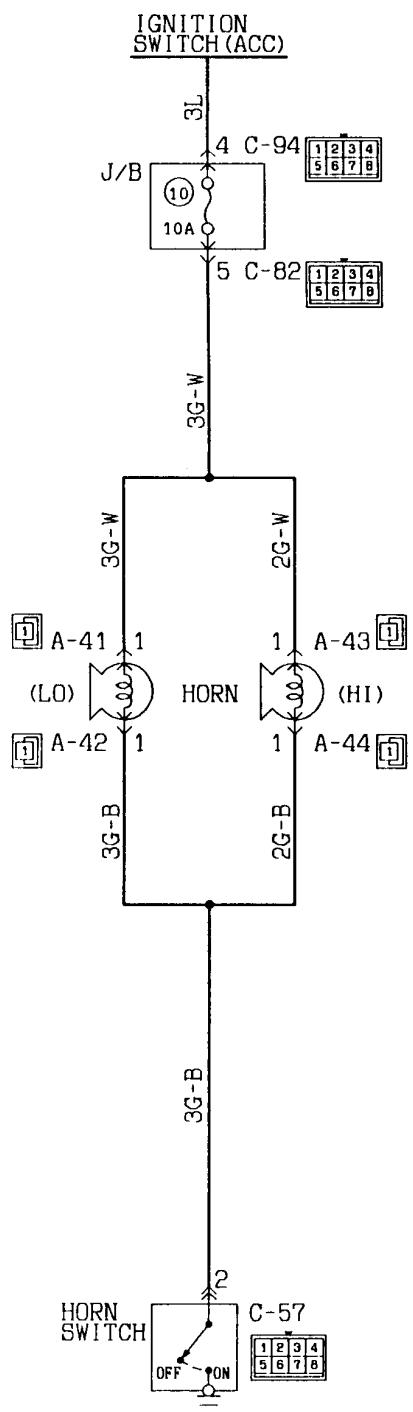
P:Pink

Y:Yellow

V:Violet

BB:Sky blue

16 HORN



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

METER AND GAUGE (See P. 4-78, 80.)**OPERATION****⟨Fuel gauge⟩**

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

⟨Engine coolant temperature gauge⟩

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

⟨Reed switch⟩

- This switch generates pulses according to the current vehicle speed and provides a vehicle-speed signal for the control systems using vehicle speeds as an input source (such as engine control system).

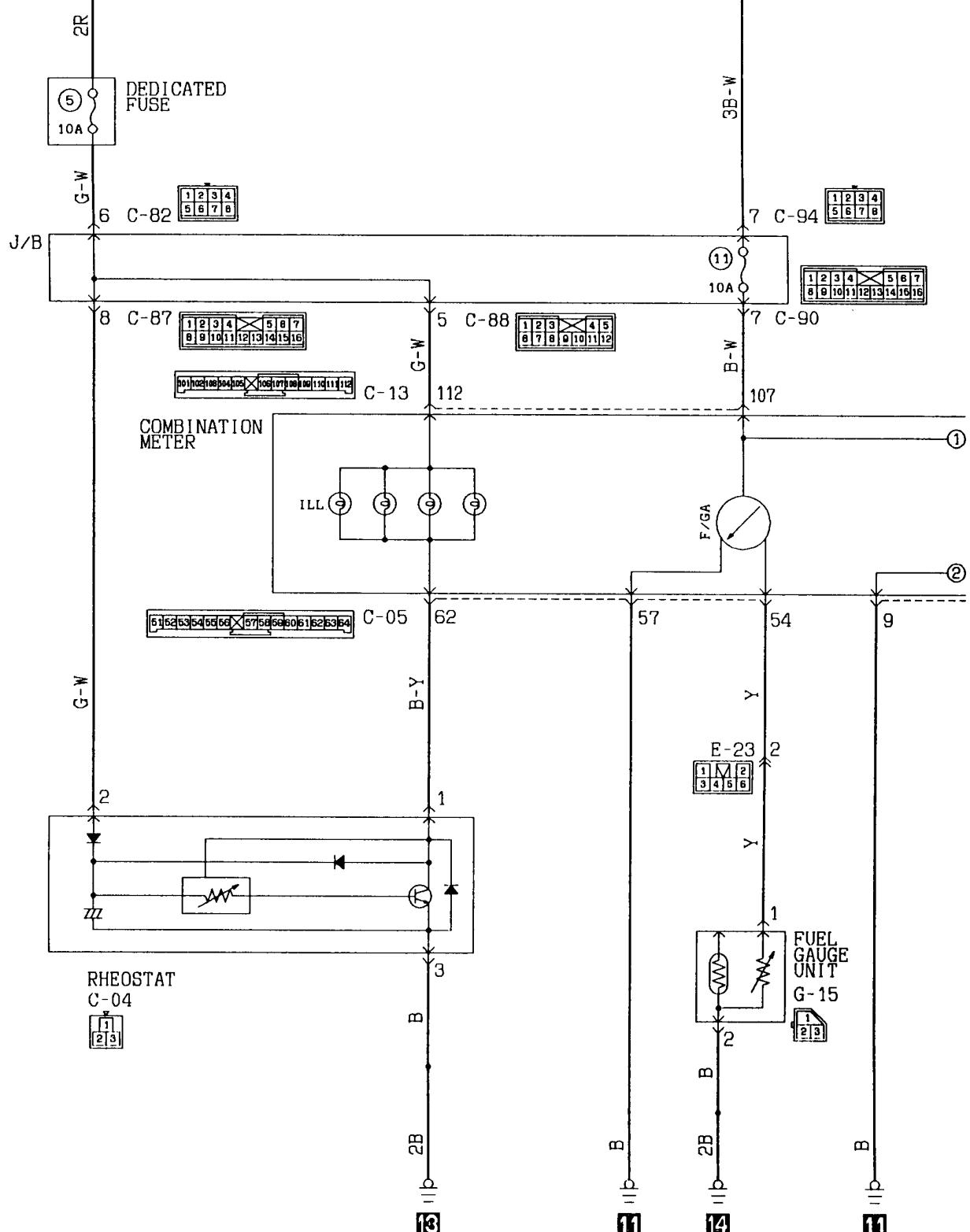
TROUBLESHOOTING HINTS

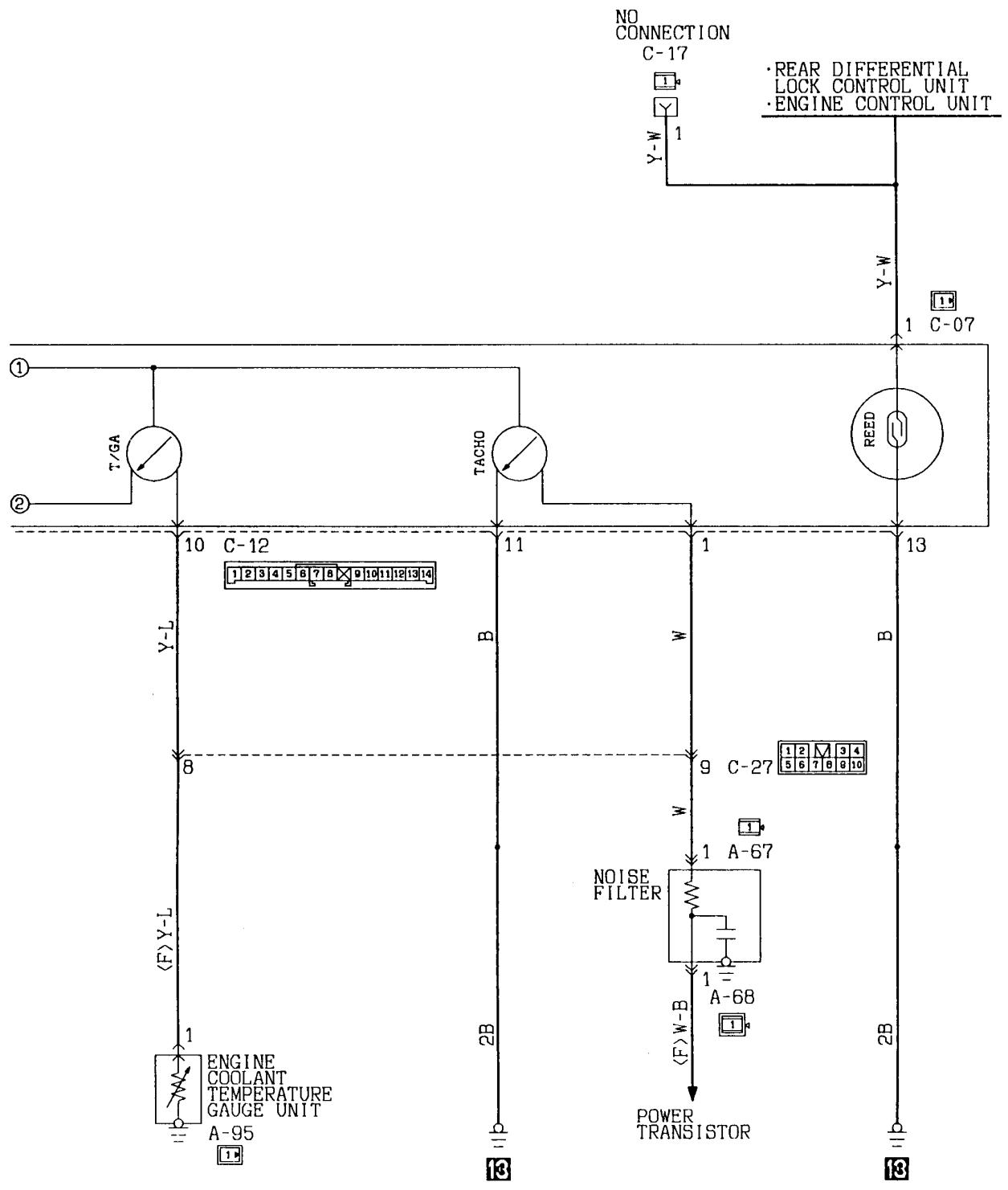
1. Fuel gauge does not operate, or registers incorrectly.
 - 1) The fuel gauge indicates "F" when the fuel gauge unit connector is disconnected and the "1" terminal is earthed.
 - Check fuel gauge.
2. Engine coolant temperature gauge does not operate, or registers incorrectly.
 - 1) When the engine coolant temperature gauge is earthed with its connector unplugged, it registers "H".
 - Check engine coolant temperature gauge unit.
3. Vehicle-speed-dependent control systems do not operate.
 - Check reed switch of speedometer.
4. Meter illumination lamp does not come on.
 - 1) Tail lamps do come on.
 - Check rheostat.

17 METER AND GAUGE

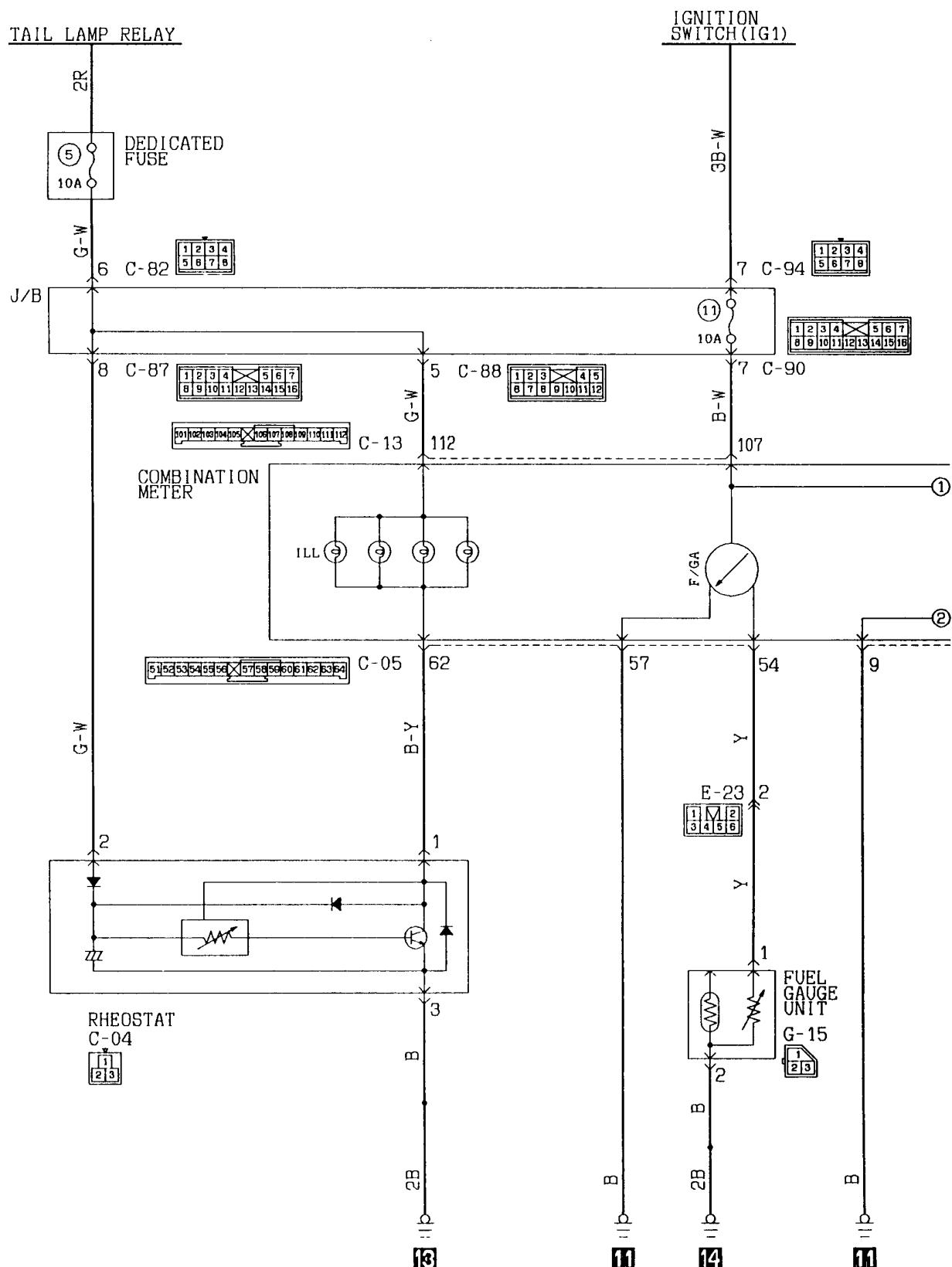
17-1 4G64 engine

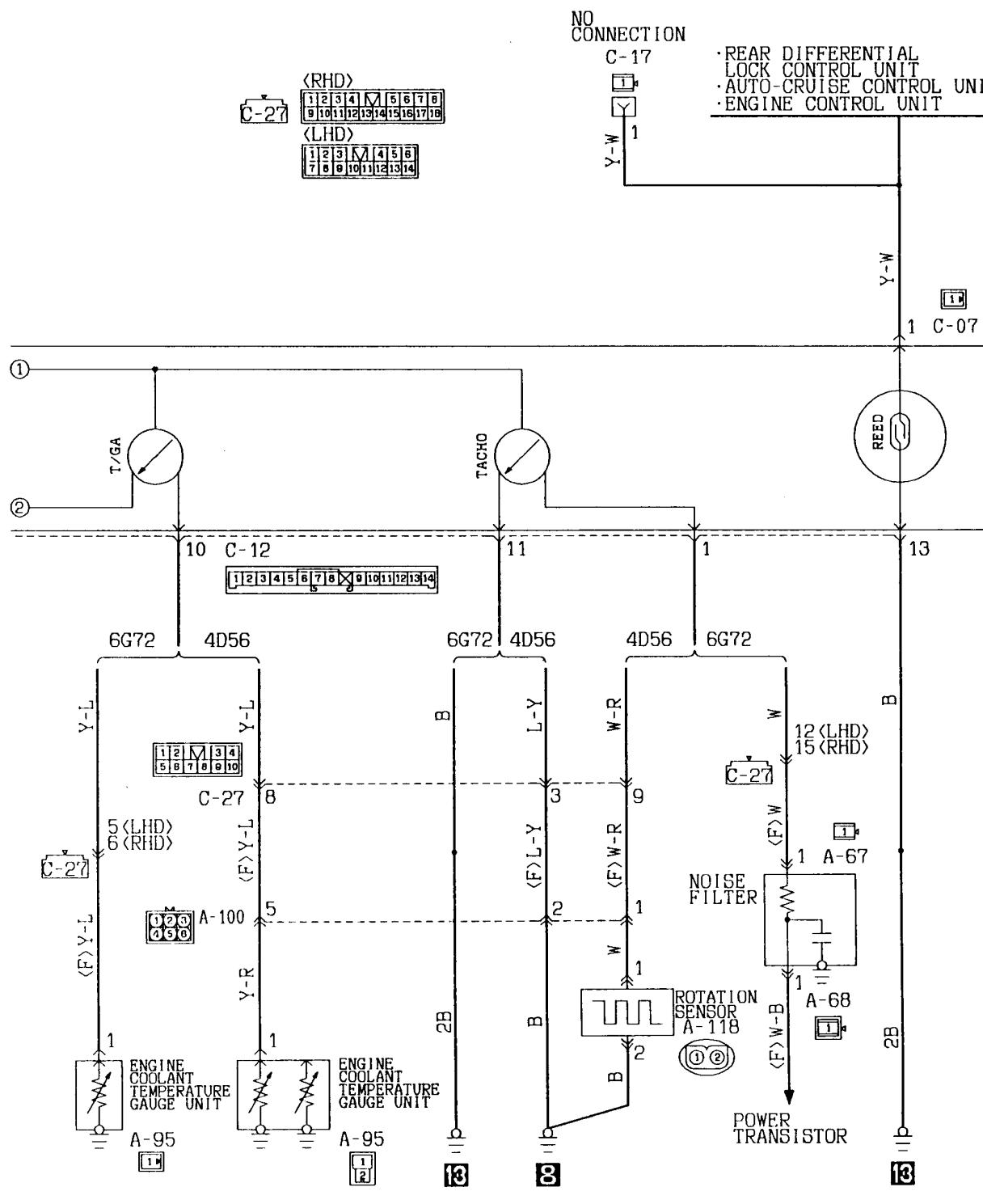
TAIL LAMP RELAY





17-2 6G72, 4D56 engine





WARNING LAMP (See P. 4-83, 86.)**OPERATION****<Brake warning lamp>**

- When the brake fluid level goes down below a predetermined level or parking brake lever is pulled, with the ignition switch in the ON position, the brake fluid level sensor is activated or the parking brake switch is turned ON, causing the brake warning lamp to light up.
- On diesel-powered vehicles, when the brake booster vacuum line fails, the vacuum switch is turned ON causing the brake warning lamp to light up.

<Low fuel warning lamp>

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

<Oil pressure warning lamp>

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

<Low engine oil warning lamp>

- When the ignition switch is turned to the "ON" position (in the state where the engine is stopped), electric current will flow to terminal "L" of the alternator through the multi-purpose fuse No. ⑪, low engine oil warning lamp and engine oil level relay and the low engine oil warning lamp will also light up.
- When the engine starts, the charging voltage will be applied to the terminal "L" of the alternator. Therefore, the low engine oil warning lamp will go out.
- When the engine oil temperature rises to approx. 55°C (131°F), the engine oil level sensor (TEMP) provided in the oil pan will be turned off.
- When the engine oil amount in the oil pan drops below the set level in this state, the engine oil level sensor (LEVEL) will be turned off to apply the voltage to the delay circuit.
- If the "OFF" state continues for approx. 20 seconds or more, the power transistor will be turned on to light the low engine oil warning lamp to indicate a shortage of engine oil.

Remark

The delay circuit is provided to prevent the low engine oil warning lamp from going on even if the engine oil level sensor is temporarily turned off due to cornering or other running conditions of the vehicle.

<Charge warning lamp>

- See CHARGING SYSTEM (P. 4-24.)

<Check engine warning lamp>

- See the Service Adjustment Procedure, in Group 11 of the separate WORKSHOP MANUAL (Pub. No. PWJE9086)

<Fuel filter warning lamp>**(Diesel-powered vehicles)**

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

<ABS warning lamp>

- See the Troubleshooting of Anti-skid Brake in Group 35 of the separate WORKSHOP MANUAL (Pub. No. PWJE9086)

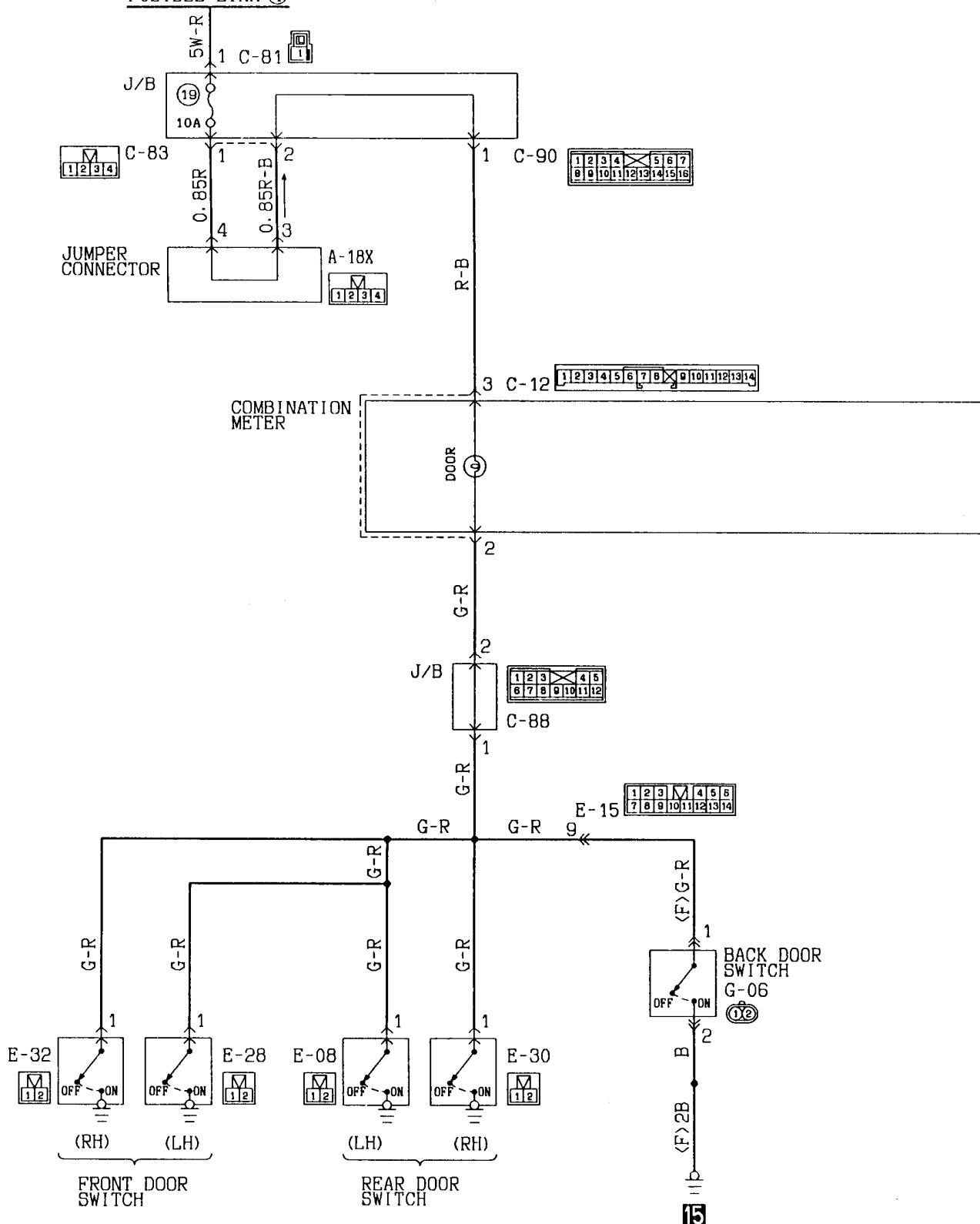
<Automatic transmission oil temperature warning lamp>

- When the ignition switch is turned to the "ON" position (with the engine stopped), the automatic transmission oil temperature warning lamp comes on and the lamp switches OFF when the engine is started. This feature can be used to check for a failure of the lamp's bulb.
- When the automatic transmission oil temperature becomes abnormally high, the automatic transmission oil temperature switch turns ON causing the automatic transmission oil temperature warning lamp to light up.

18 WARNING LAMP

18-1 4G64 engine

FUSIBLE LINK ④



Wire colour code

B:Black LG:Light green G:Green

BR:Brown O:Orange GR:Gray

L:Blue

R:Red

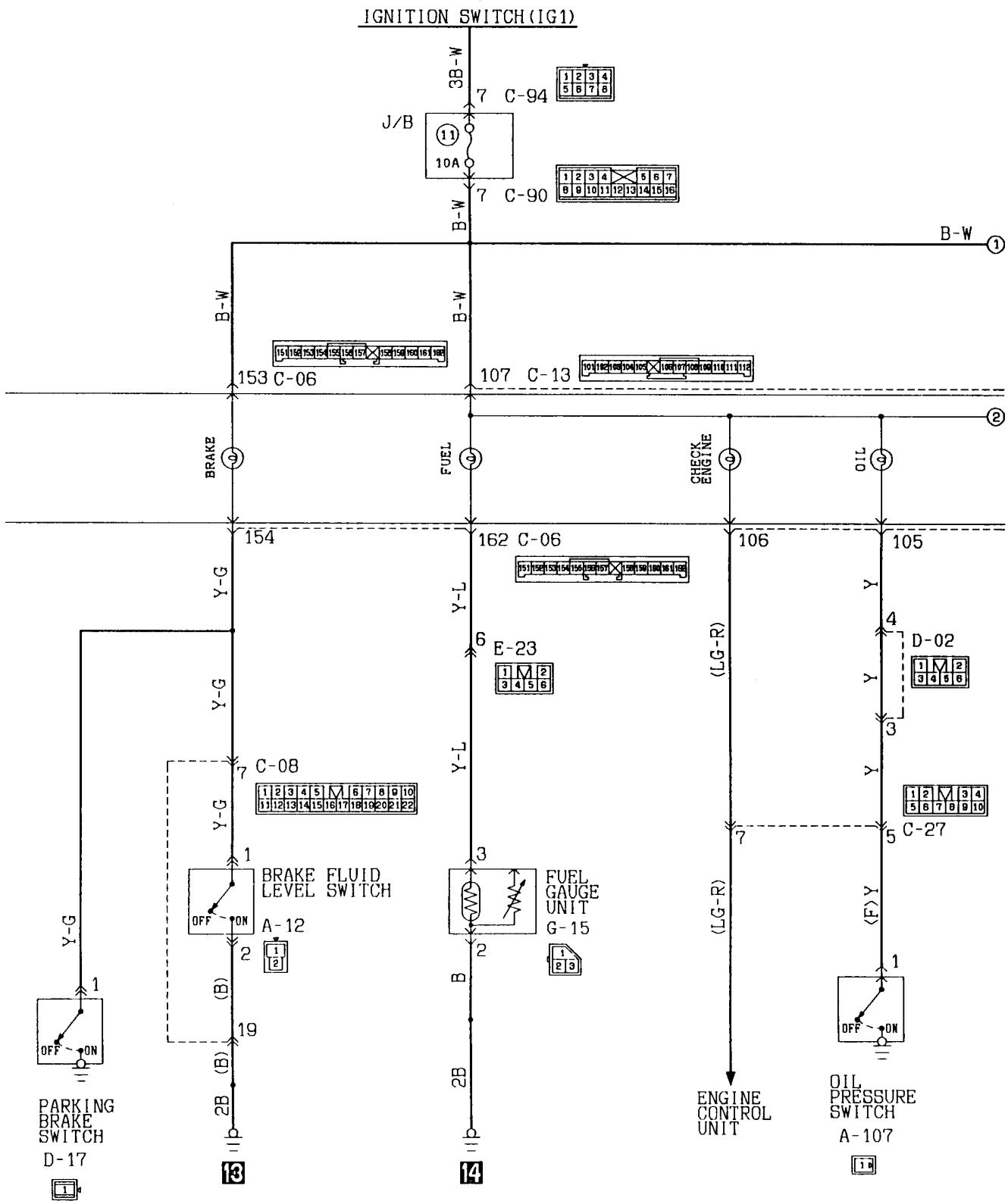
W:White

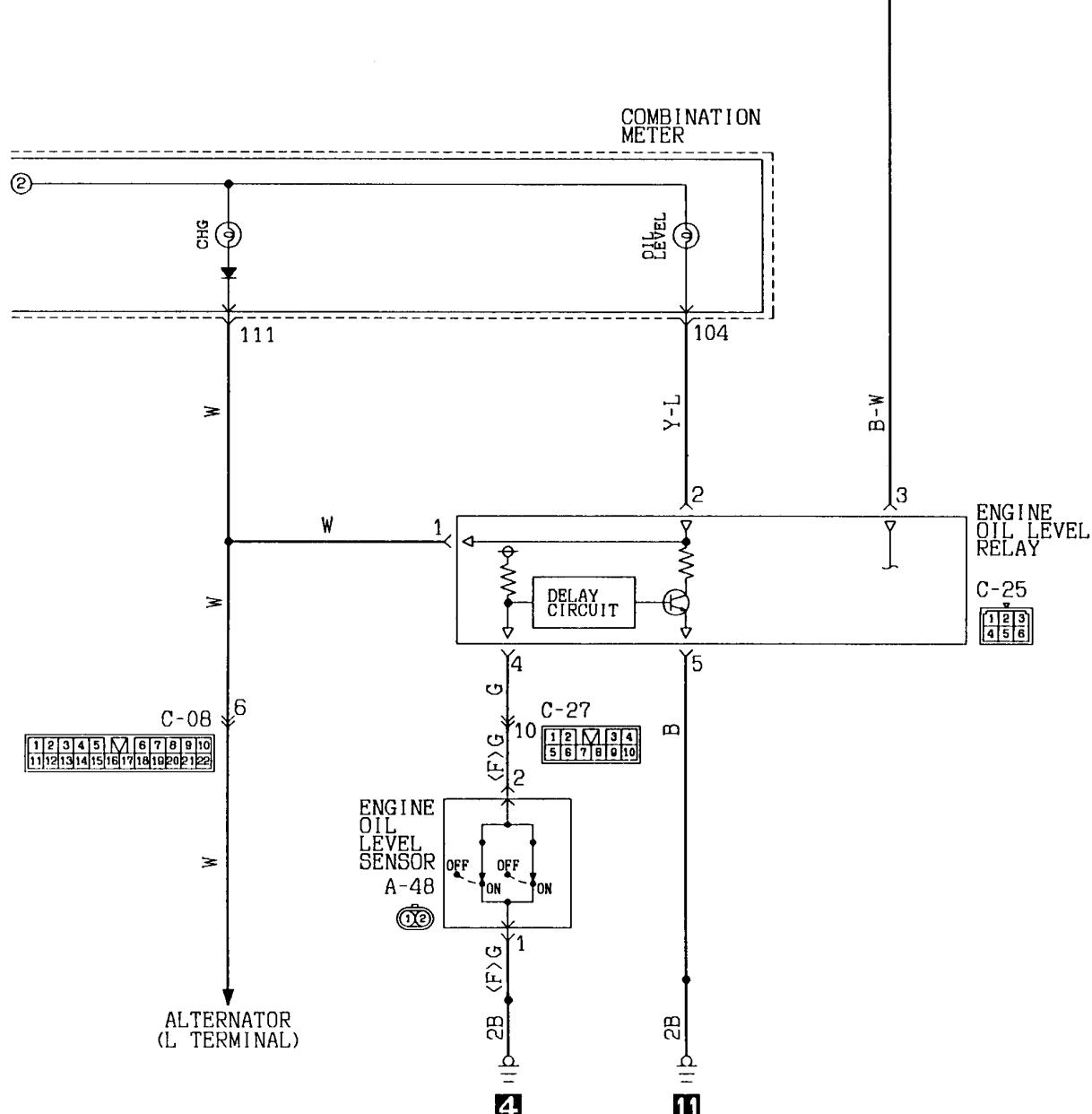
P:Pink

Y:Yellow

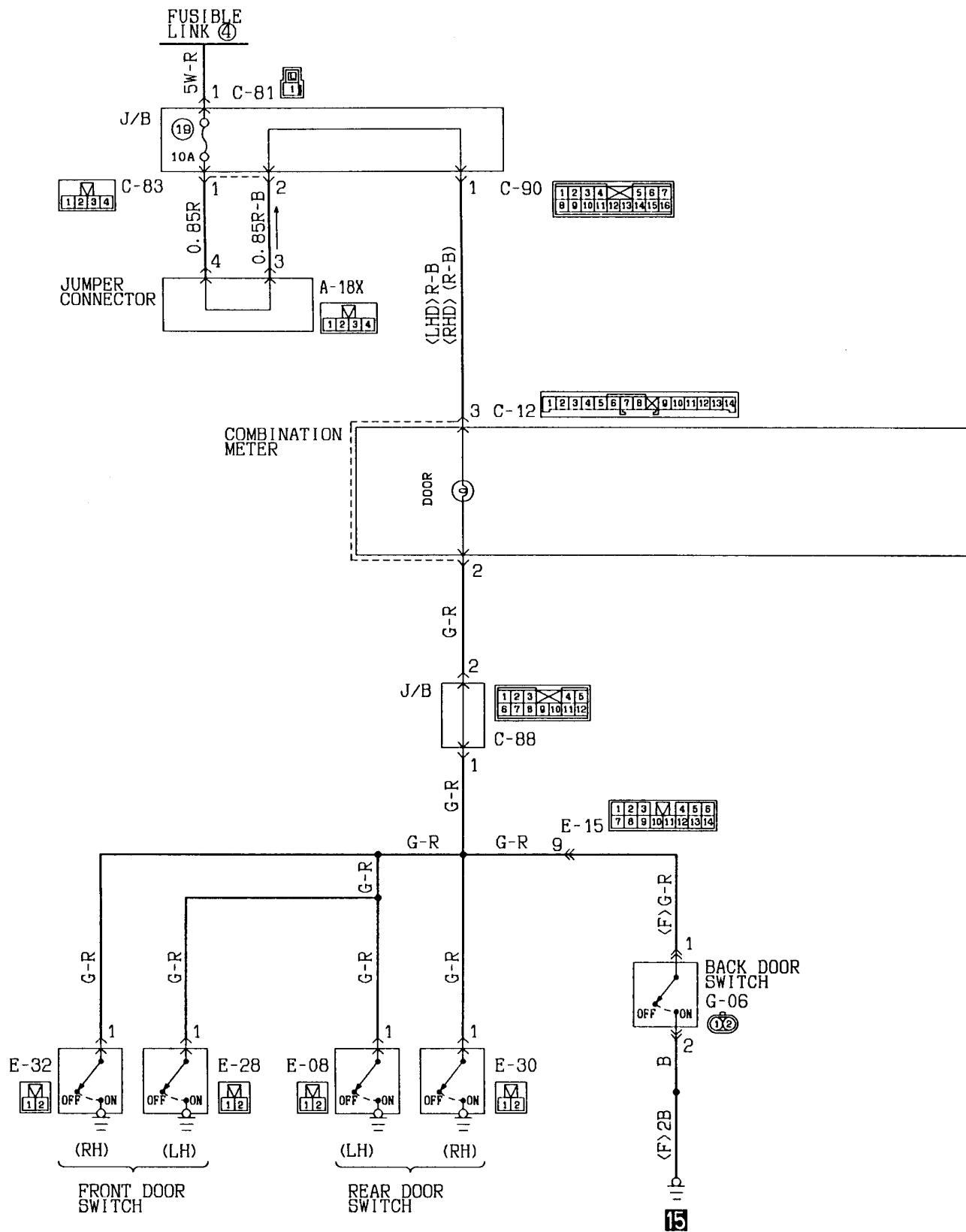
V:Violet

BB:Sky blue





18-2 6G72, 4D56 engine



Wire colour code

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

BR:Brown O:Orange

green G:Green
CB:Gray

GR:Gray

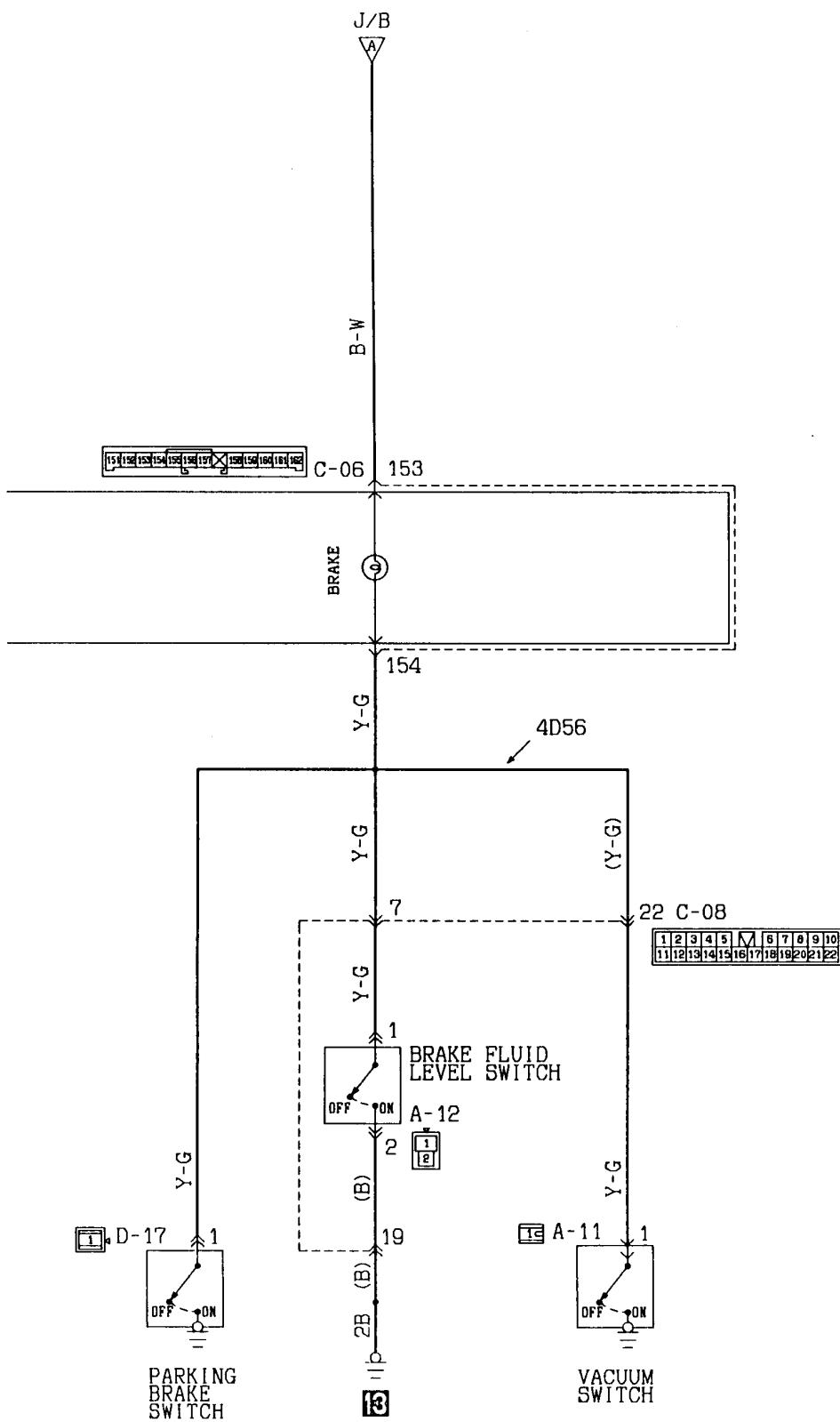
L:Blue
R:Red

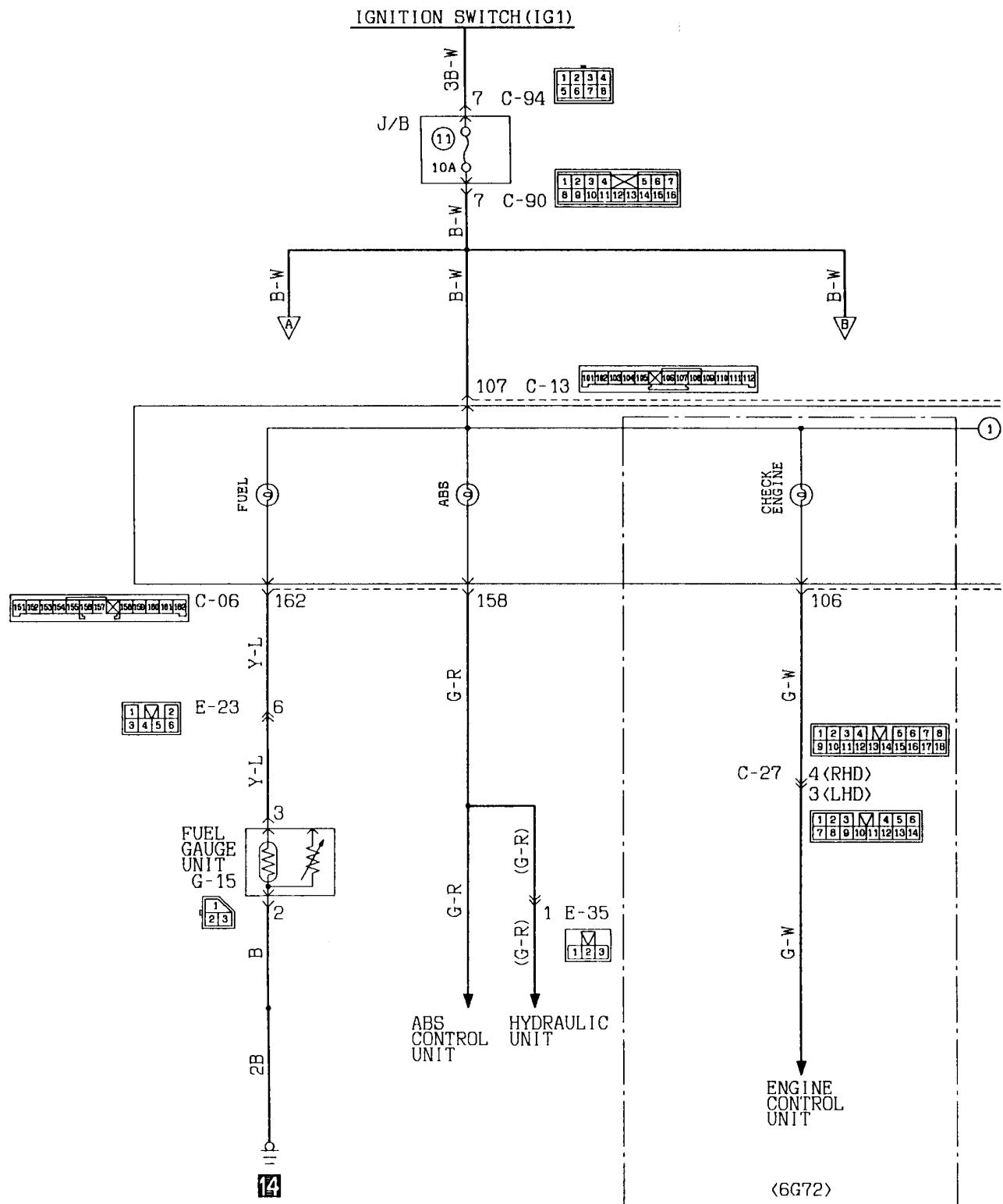
R:Red

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

P:Pink V:Violet

SB:Sky blue

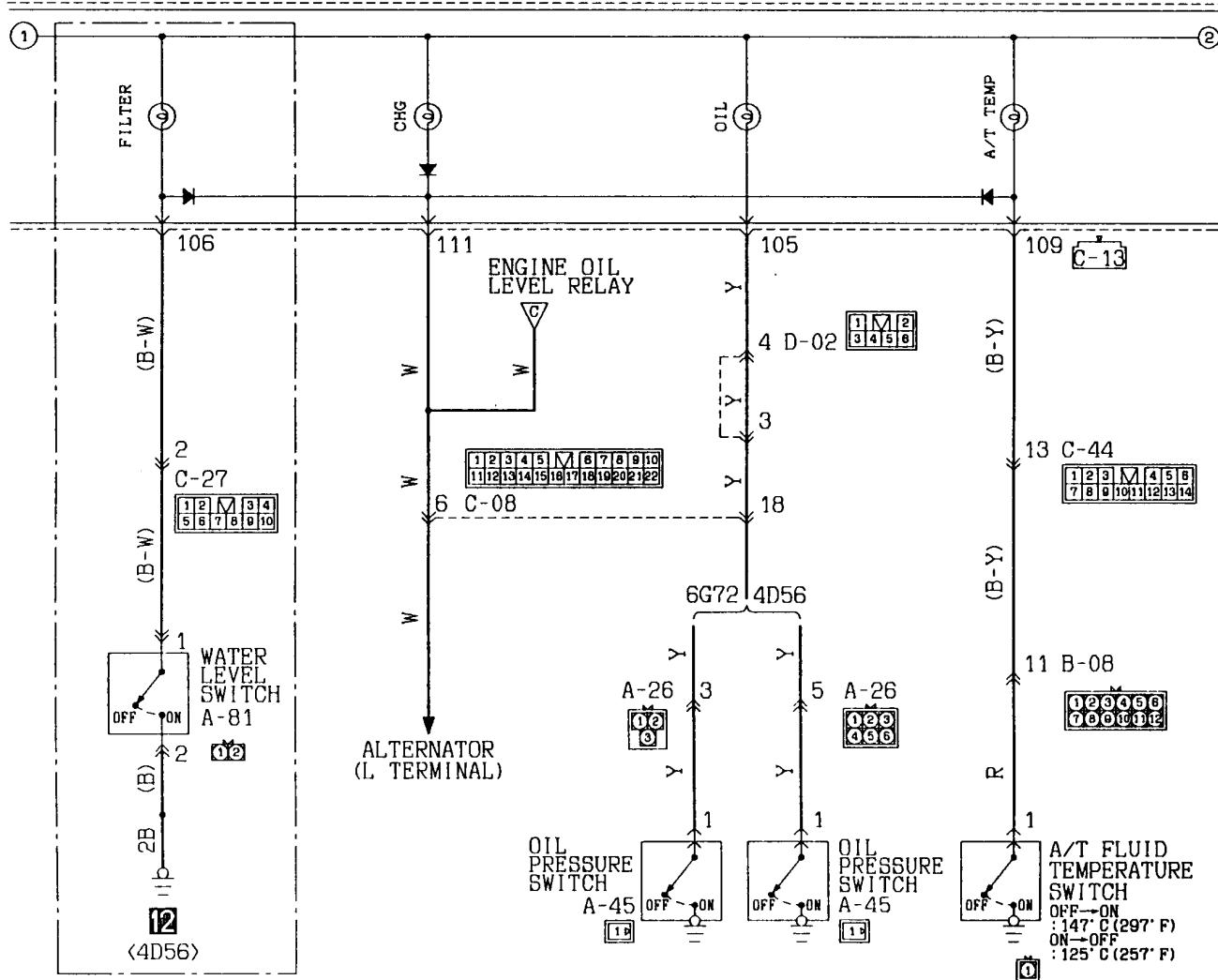


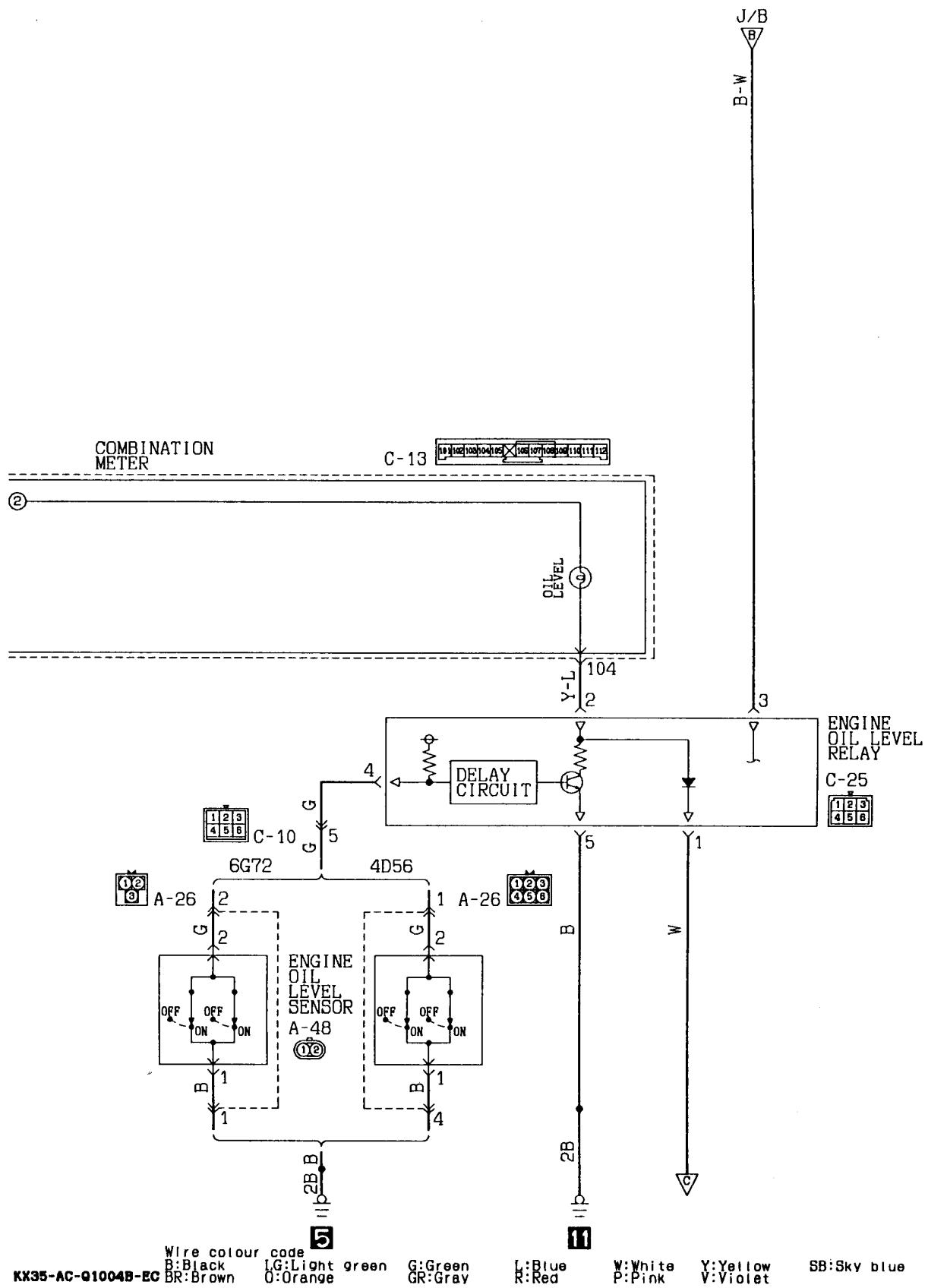


C-13 

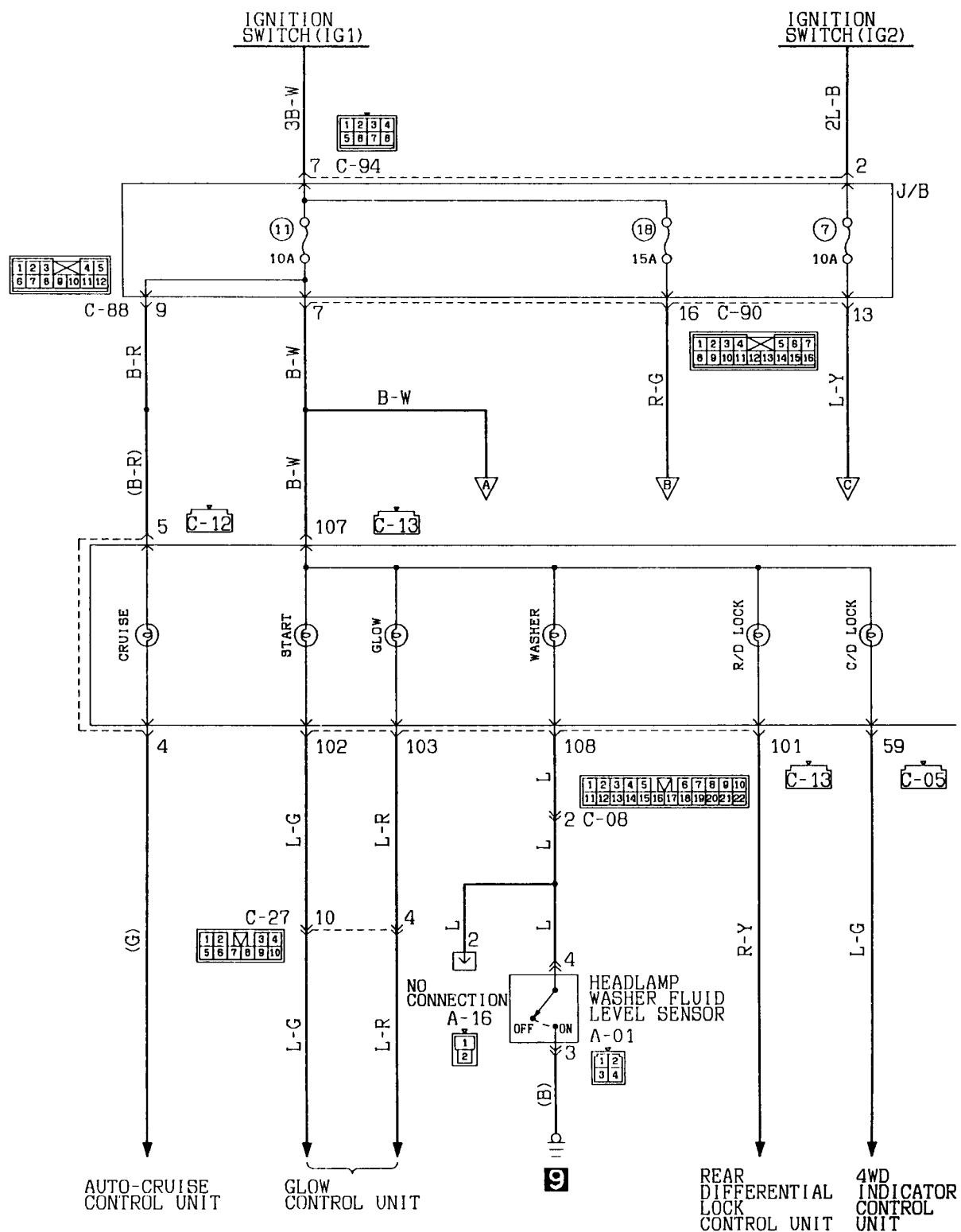
Wire colour code
 B:Black LG:Light green G:Green L:Blue
 BR:Brown O:Orange GR:Gray R:Red
 W:White SB:Sky blue P:Pink Y:Yellow
 V:Violet

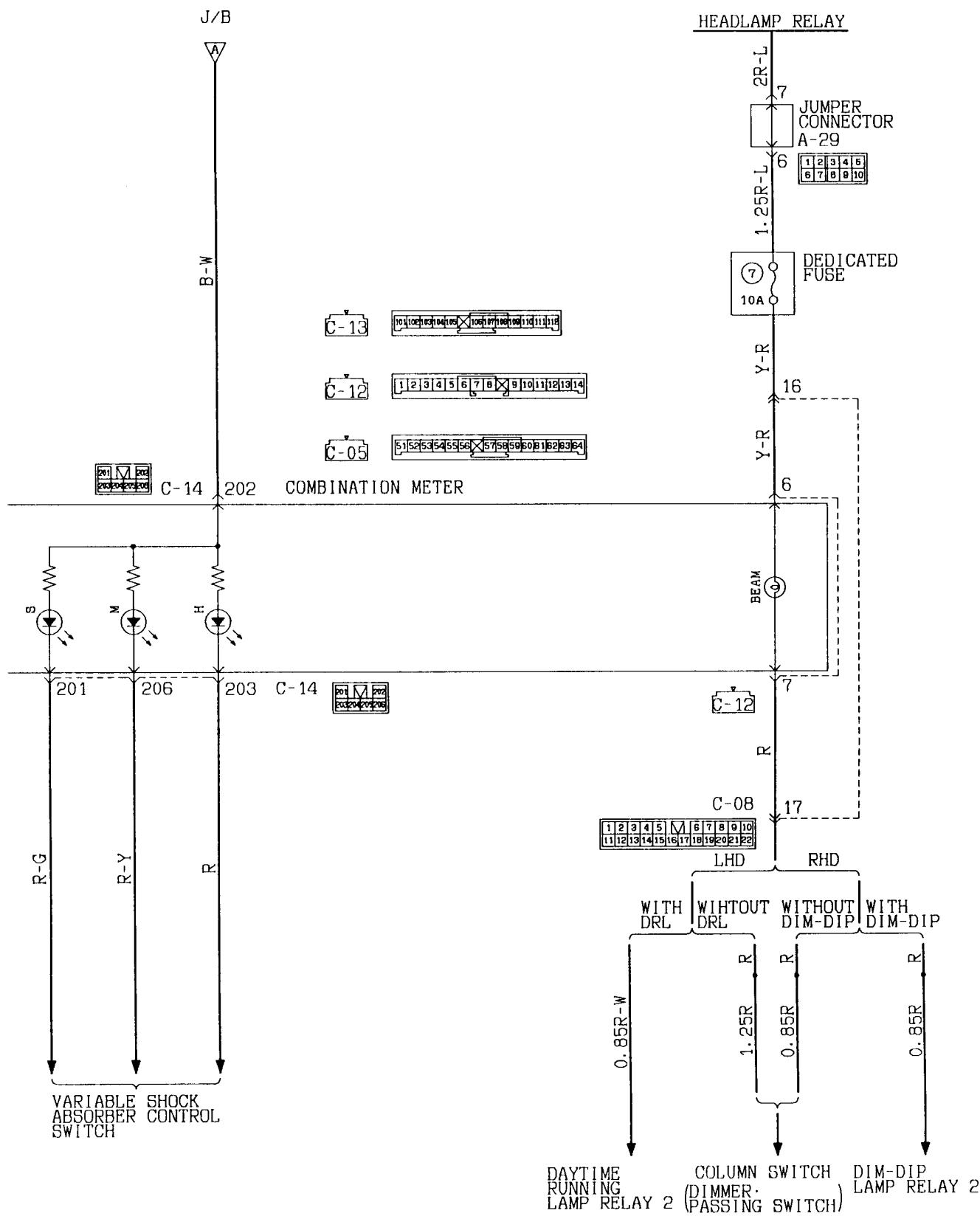
COMBINATION METER

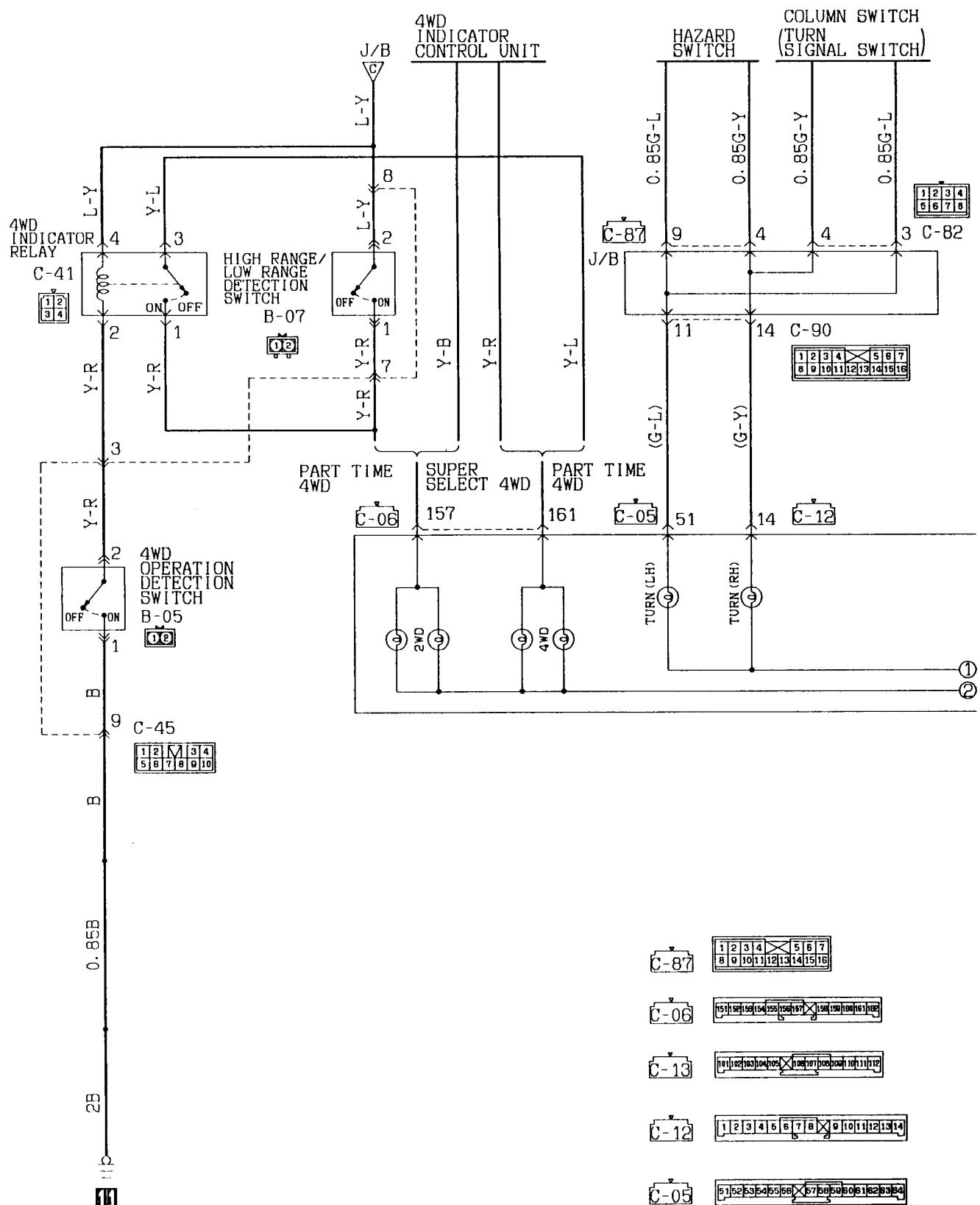




19 INDICATOR LAMP







Wire colour code

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

G:Green
GR:Gray

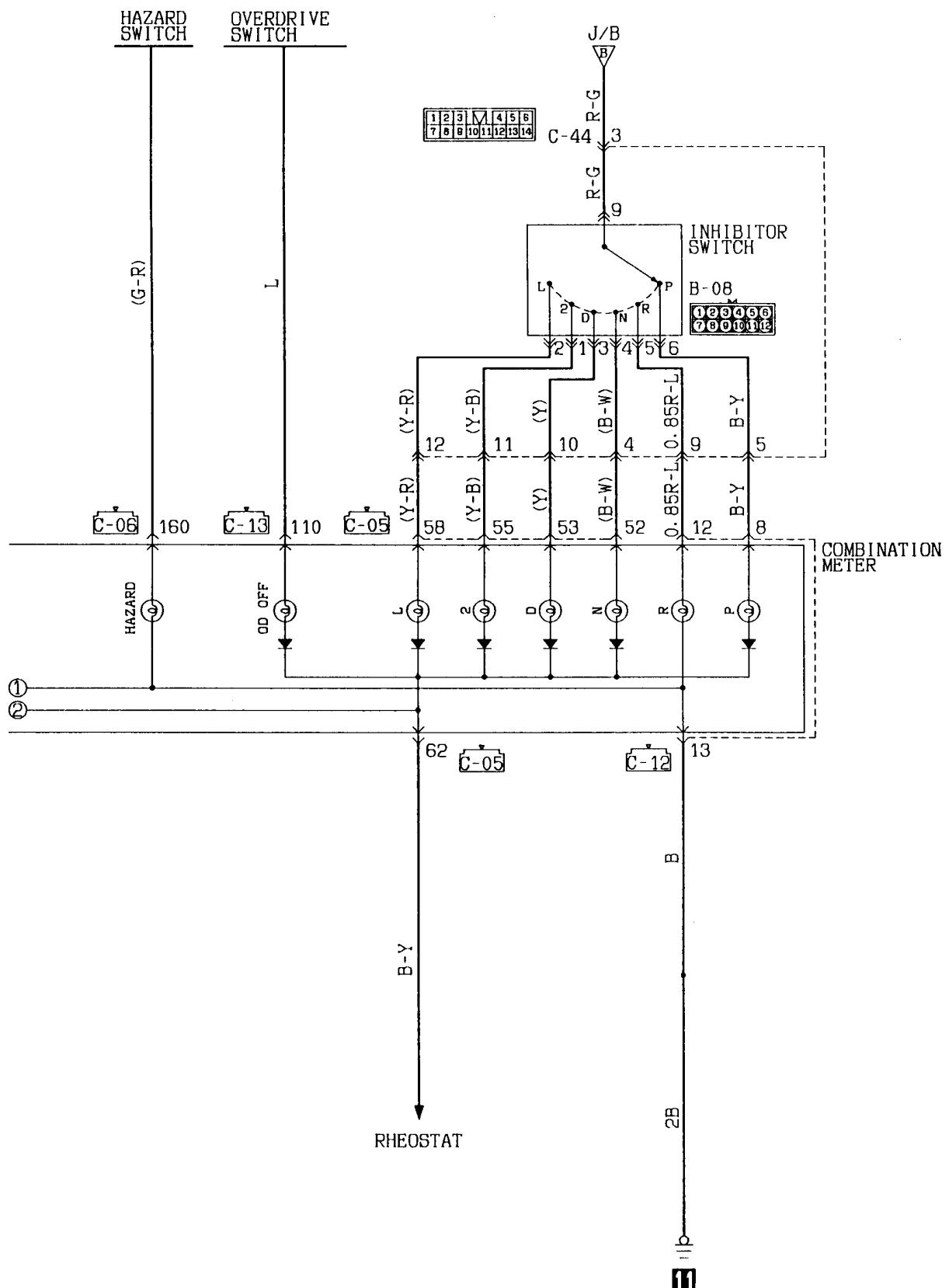
L:Blue
R:Red

W:White
P:Pink

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

SB:Sky blue

KX35-AC-Q1005A-EC



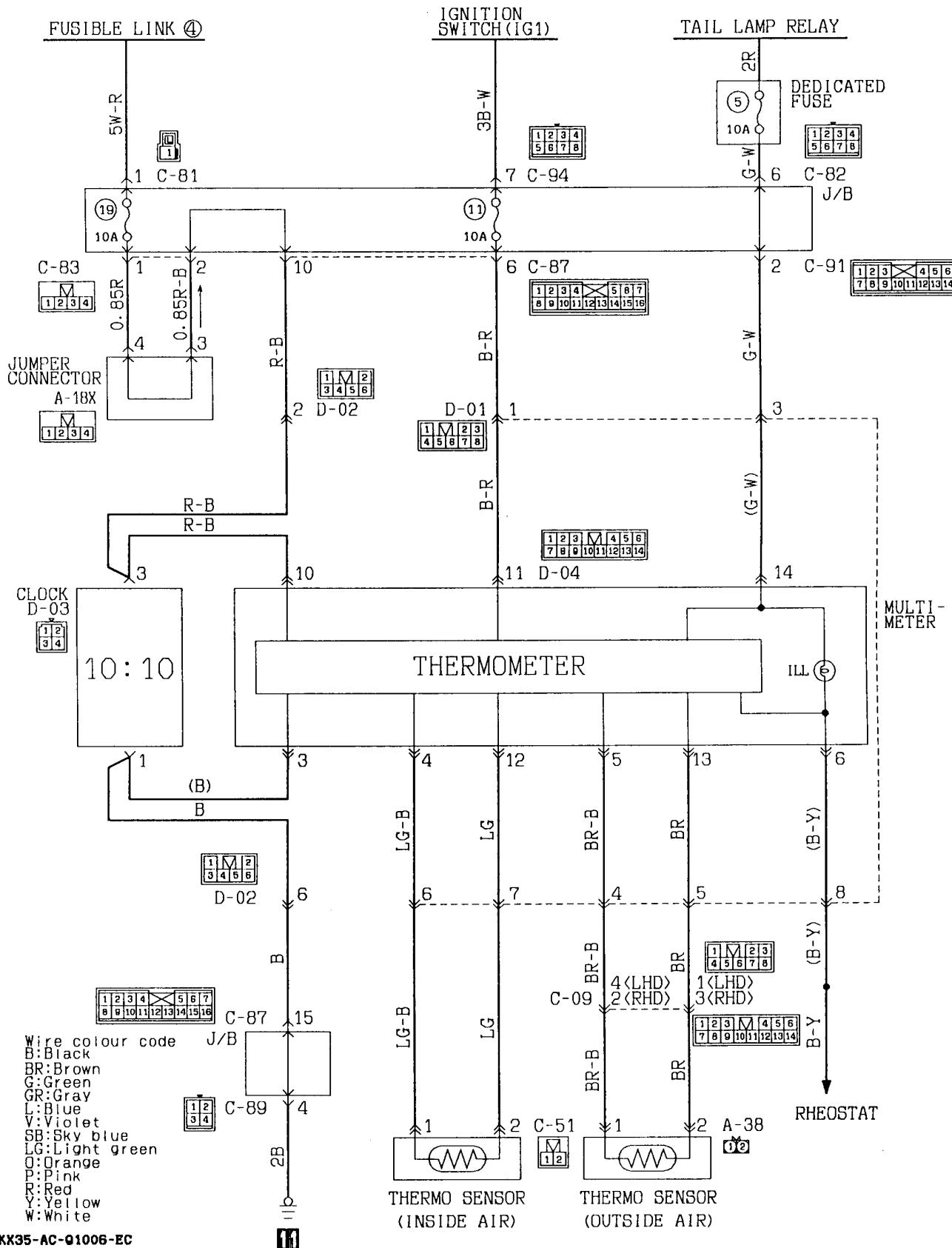
20 MULTI-METER

20-1 Vehicles without electronic compass

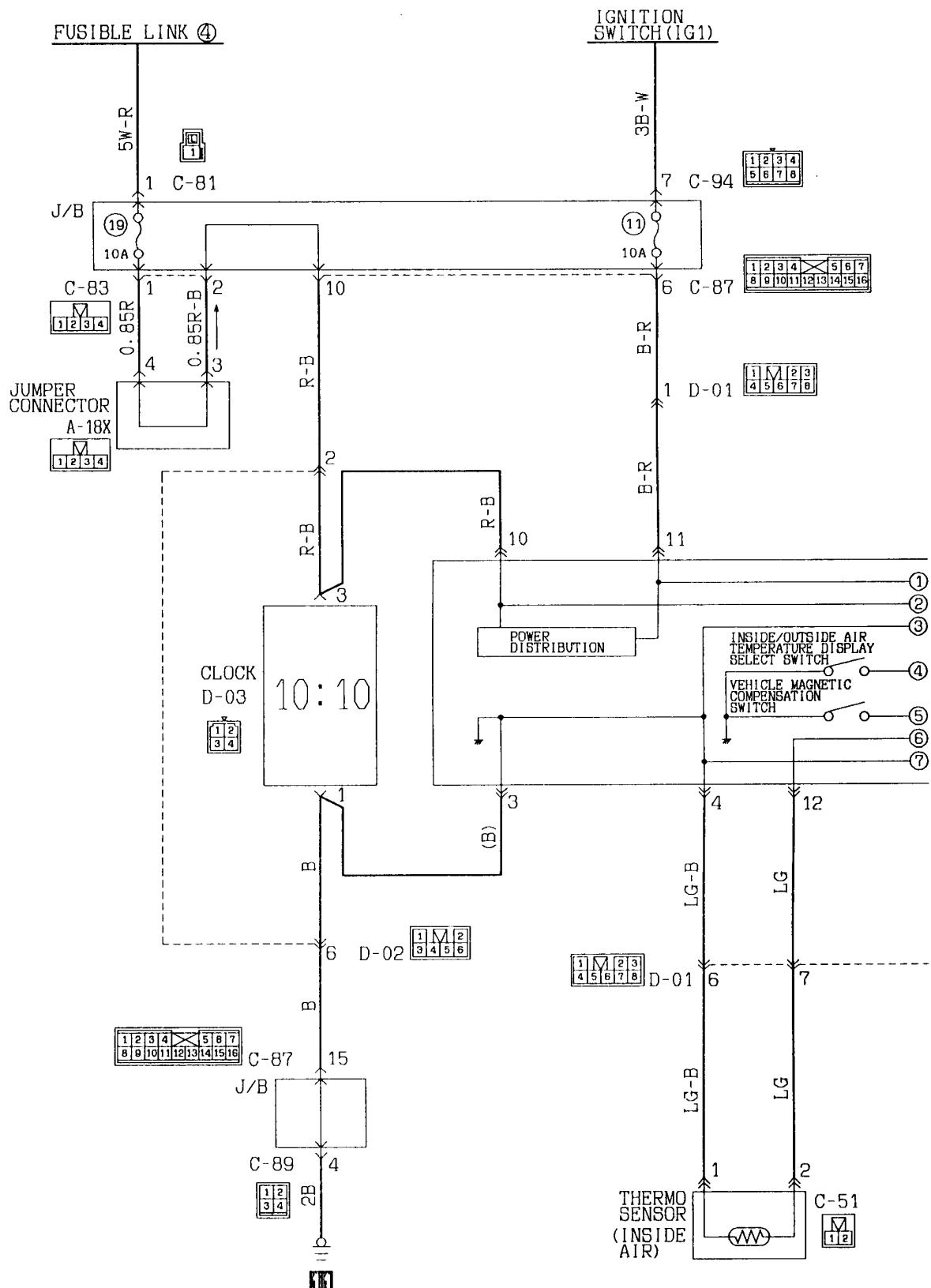
FUSIBLE LINK ④

IGNITION
SWITCH(IG1)

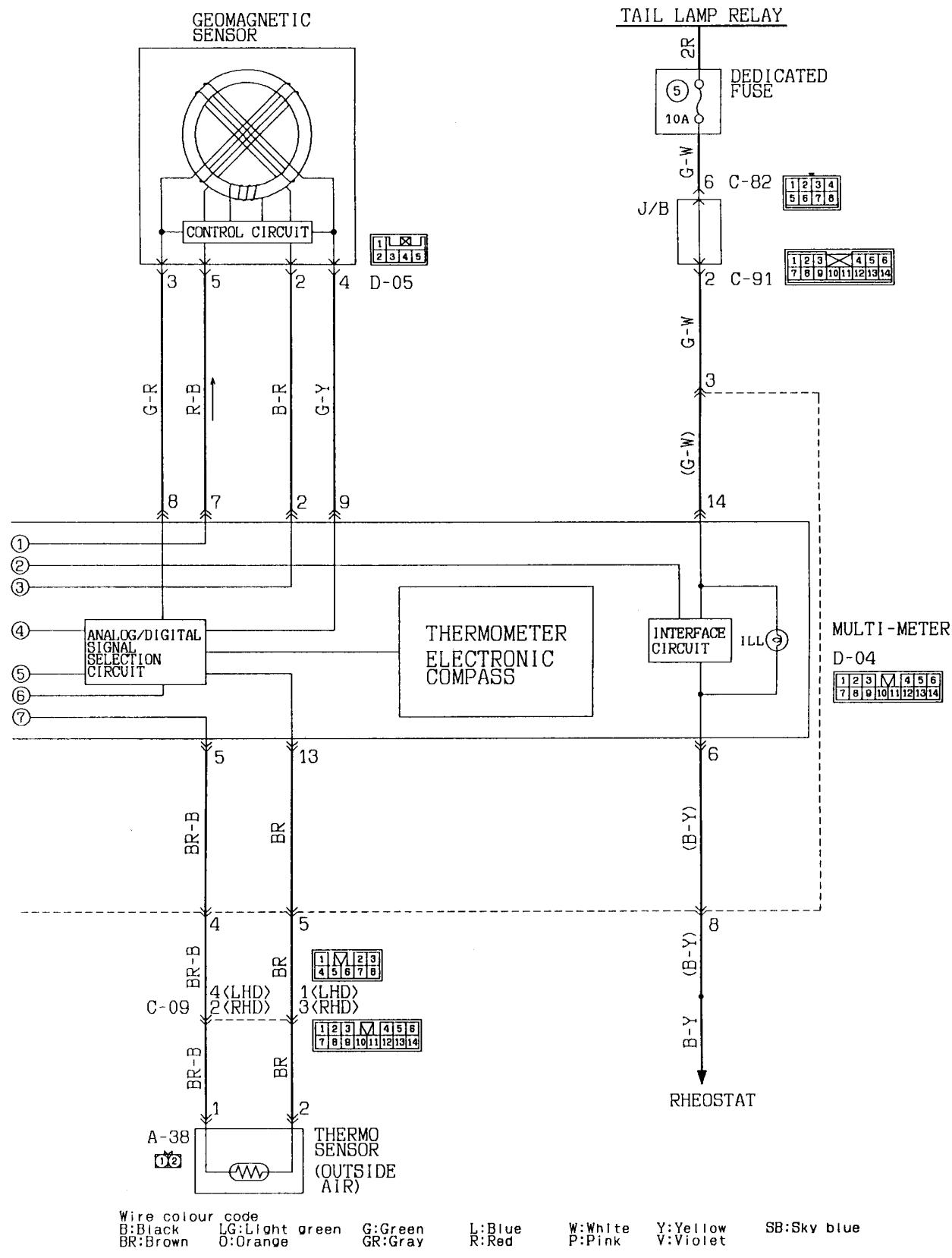
TAIL LAMP RELAY



20-2 Vehicles with electronic compass

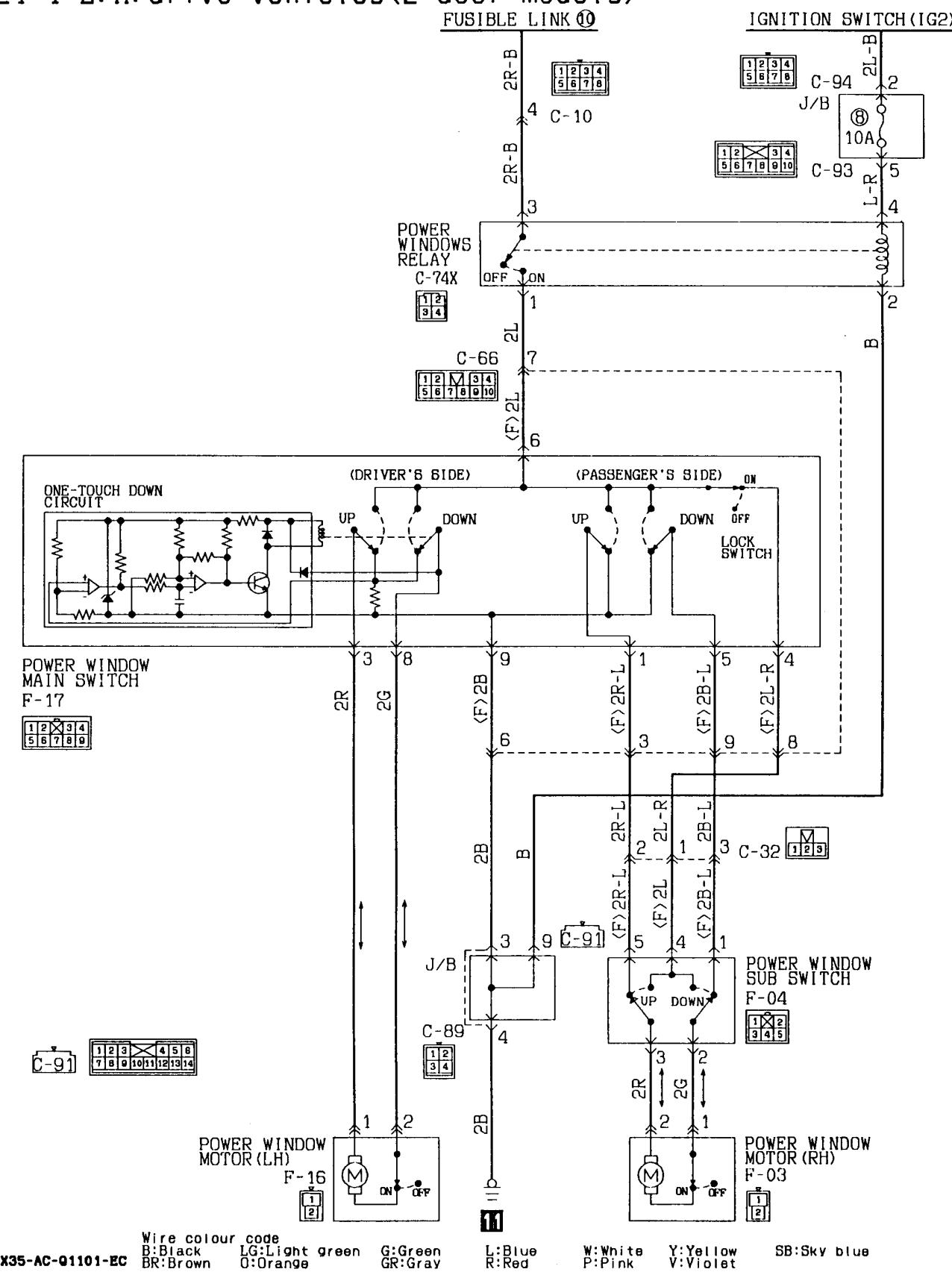


KX35-AC-Q1007-EC

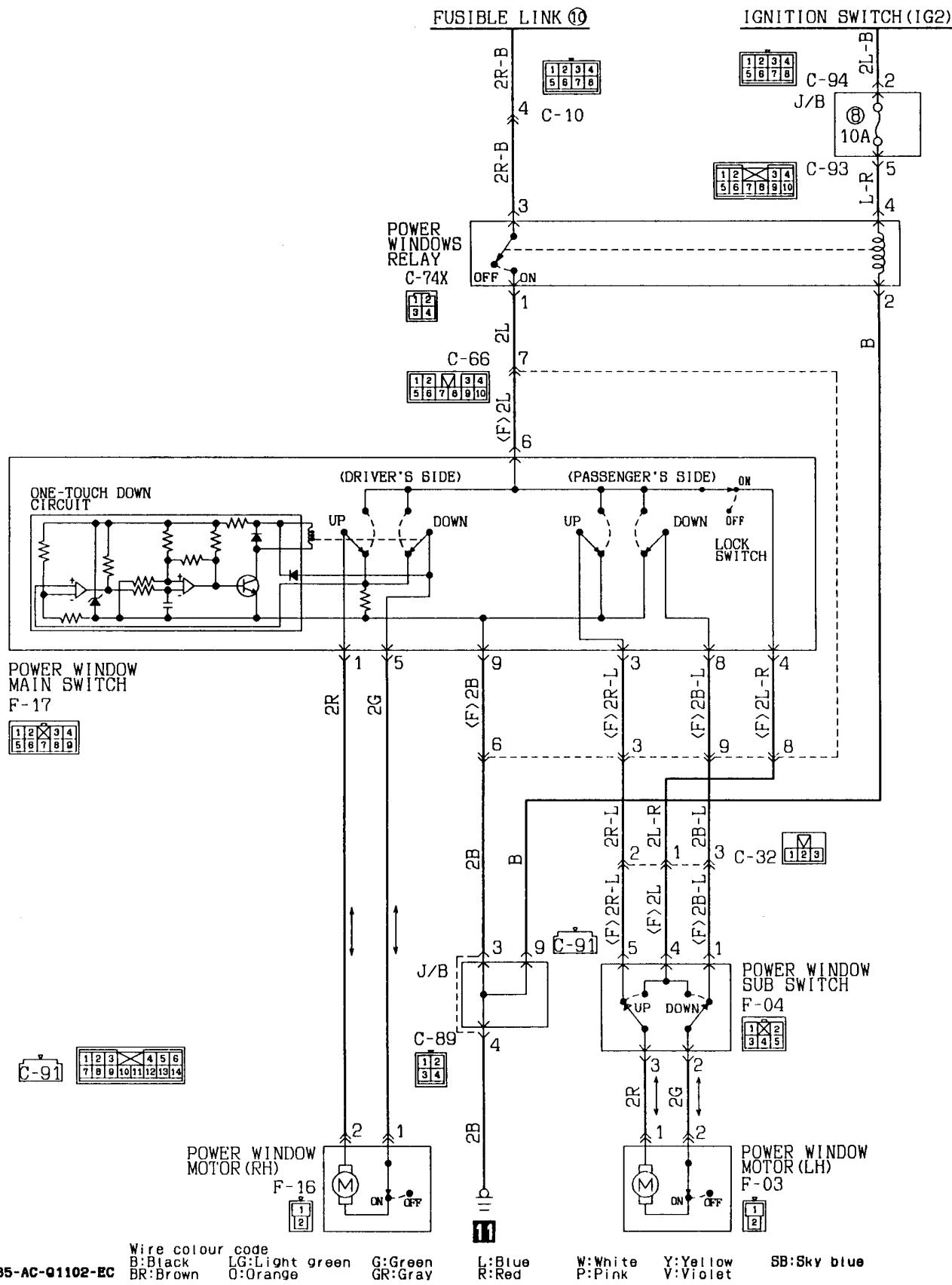


21 POWER WINDOW

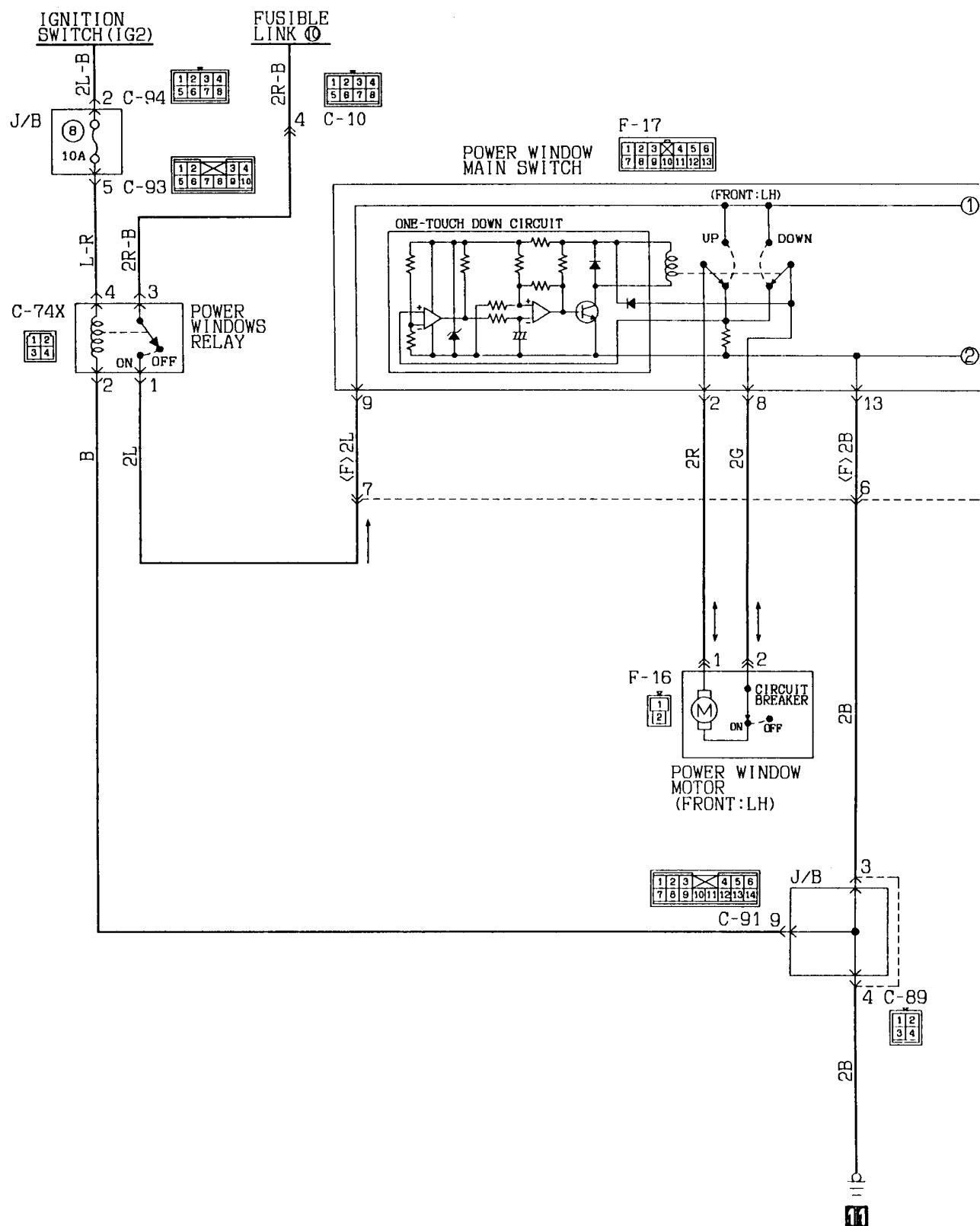
21-1 L.H. drive vehicles<2-door models>

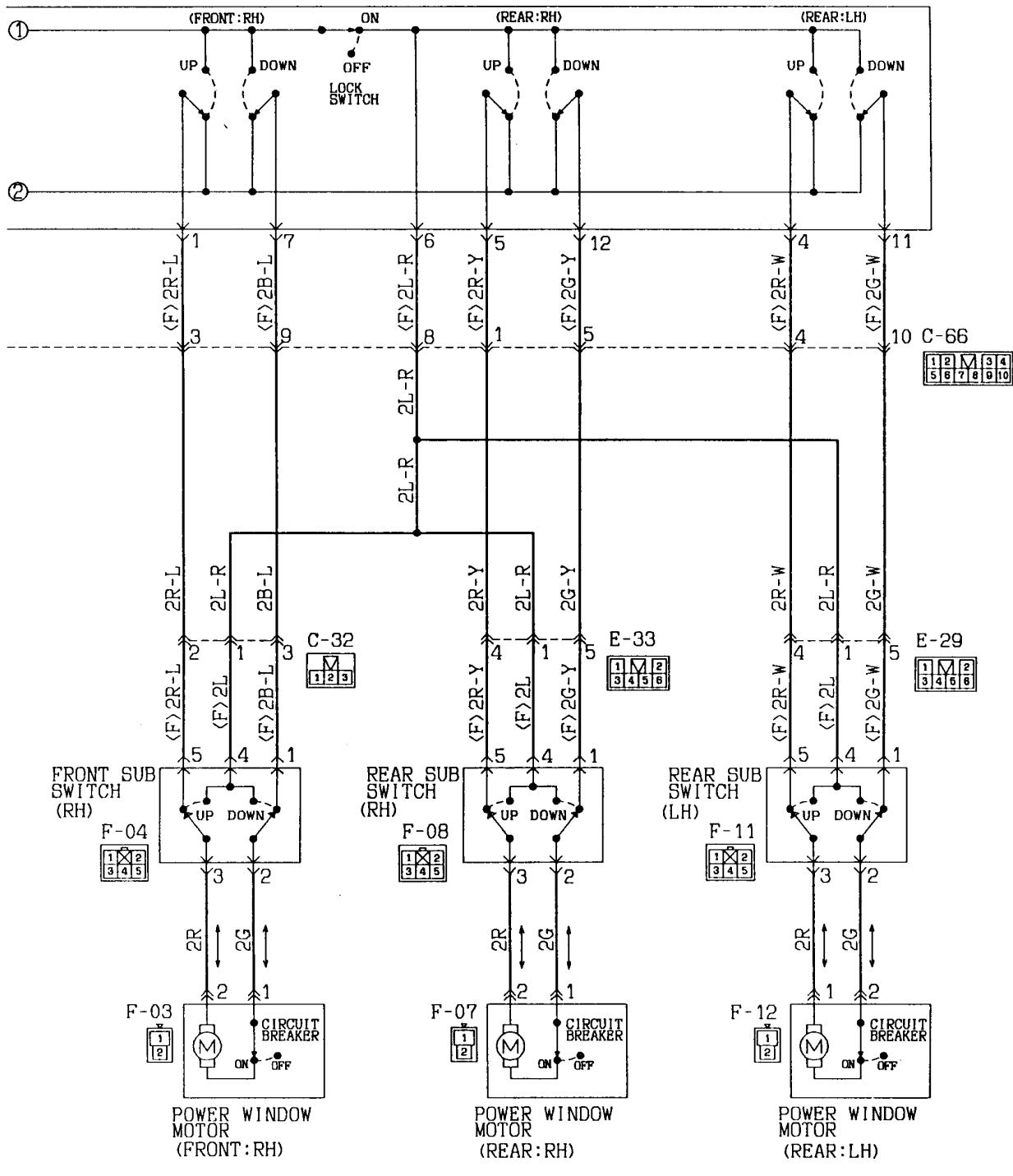


21-2 R. H. drive vehicles<2-door models>

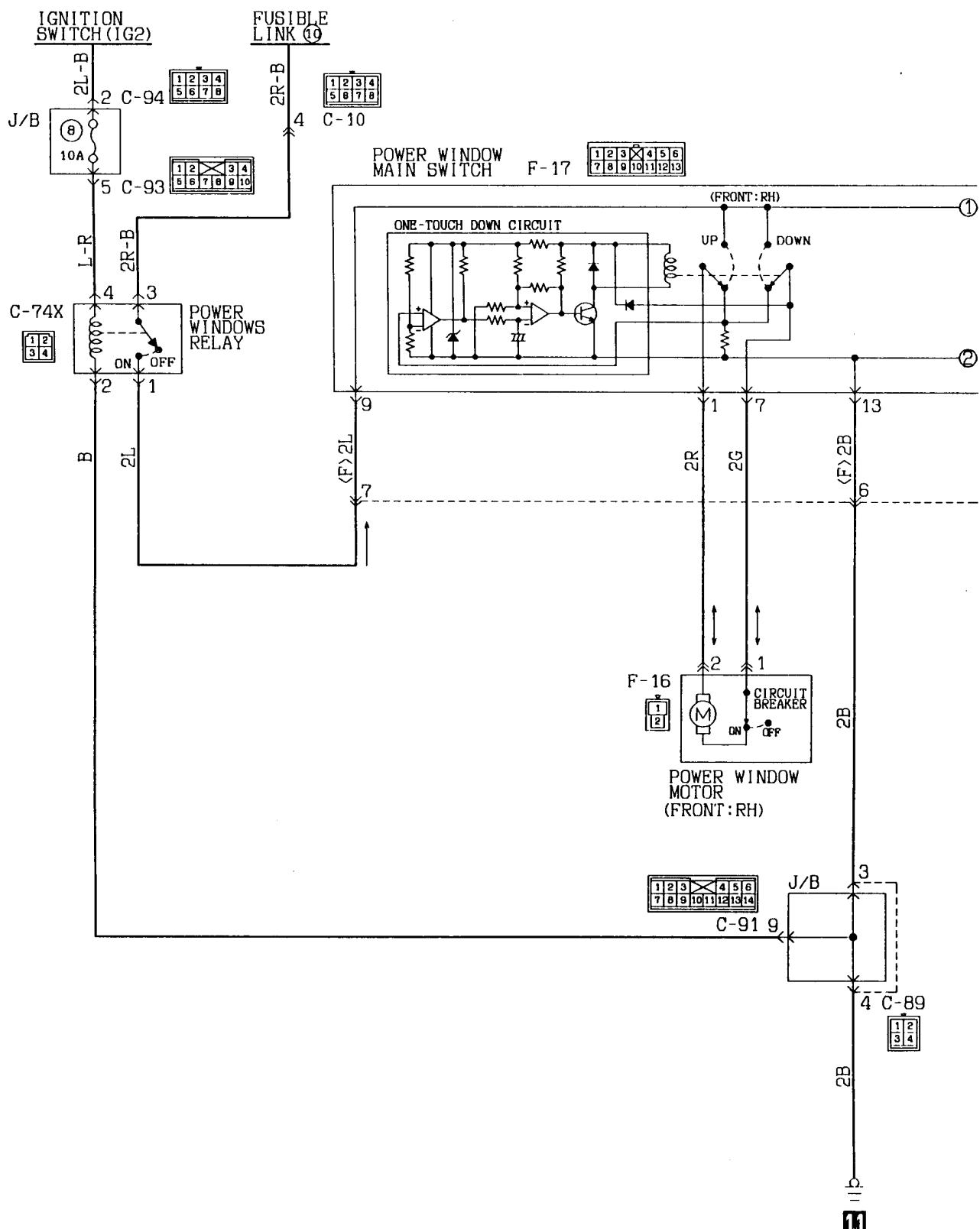


21-3 L.H. drive vehicles<4-door models>





21-4 R.H. drive vehicles (4-door models)



Wire colour code

B:Black

BR:Brown

LG:Light green

O:Orange

G:Green

GR:Gray

L:Blue

R:Red

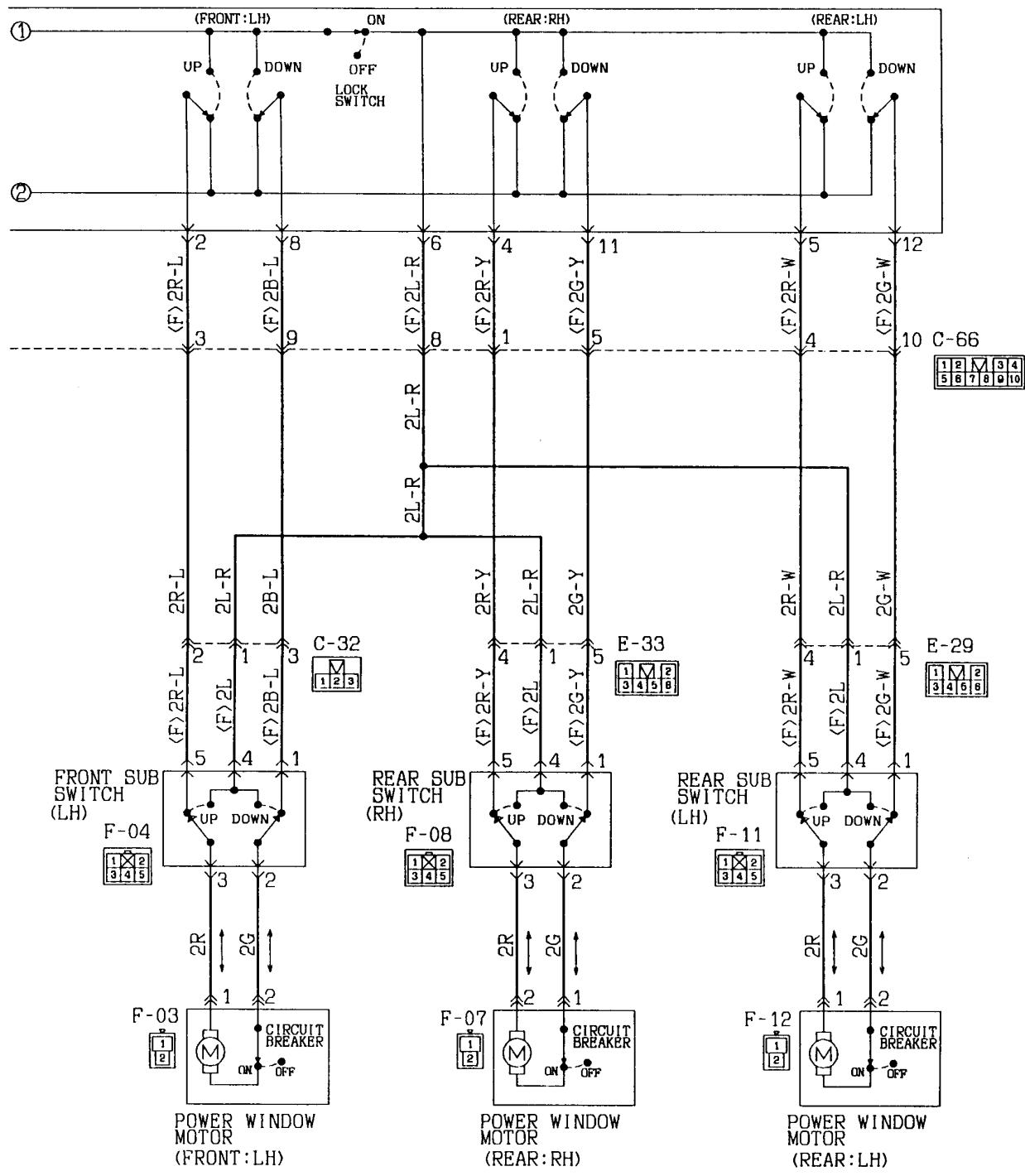
W:White

P:Pink

Y:Yellow

V:Violet

SB:Sky blue



POWER WINDOW (See P. 4-98, 99, 100, 102.)**OPERATION**

- When the power window (main or sub) switch is depressed (UP or DOWN) with the ignition switch in the ON position, current flows through fusible link No. ⑩ to the power window motor. This energizes the power window motor causing the door window glass to open or close.
- When the DOWN side of the power window main switch (driver's seat side switch) is depressed all the way, it is locked in the depressed position and the power window motor is operated until the door glass is fully opened.
- When the power window lock switch is placed in the LOCK (OFF) position, operating a switch other than the ones for the driver's side and front passenger's side window (main) does not cause the power window motor to be operated.
- The power window motor is provided with a circuit breaker that protects the motor from damage caused by overcurrent.

Reference: Circuit breaker characteristics
Restricts the motor at room temperature [20 to 25°C (68 to 77°F)];
Opens following 4-to-40-sec. initial energization time;
Resets within 60 seconds if left open thereafter.

TROUBLESHOOTING HINTS

1. All door glasses cannot be opened or closed.
 - Check fusible link No. ⑩.
 - Check multi-purpose fuse No. ⑧.
 - Check power window relay.
 - Check power window main switch.
2. Some door glass cannot be opened or closed.
 - 1) Neither power window main nor sub switch is activated.
 - Check power window main switch.
 - Check defective power window motor.
 - 2) Either power window main or sub switch is inoperative.
 - Check inoperative power window switch.
3. One-touch switch function is not operational.
 - Replace power window main switch.

CENTRAL DOOR LOCKING SYSTEM (See P. 4-106.)**OPERATION****1. Operation with the inside lock knob on the driver's side (including door lock key operation).**

- If the inside lock knob on the driver's side is locked (or unlocked), the switch in the front door lock actuator (driver's side) goes off (or on) and the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

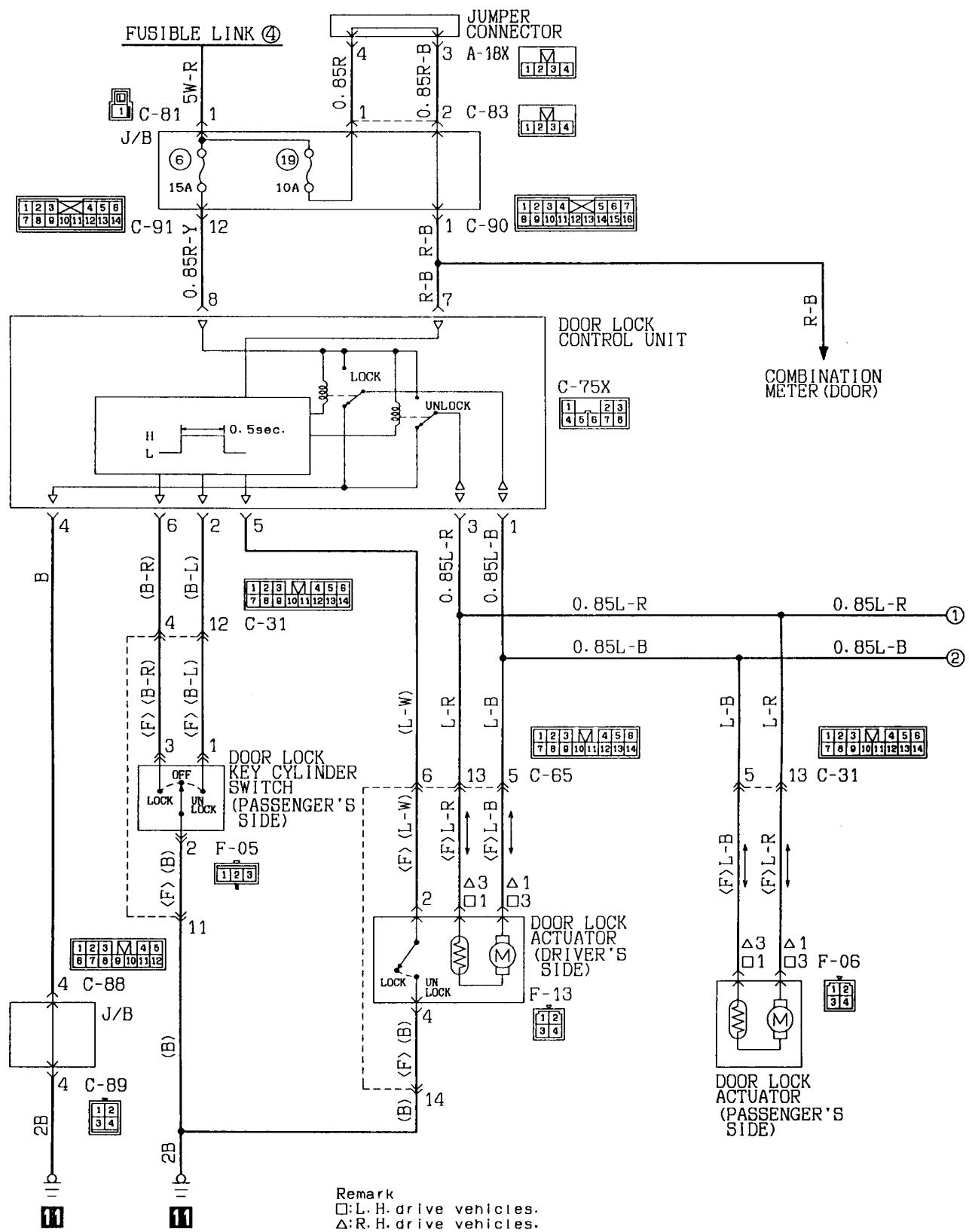
2. Operation with the door lock key.

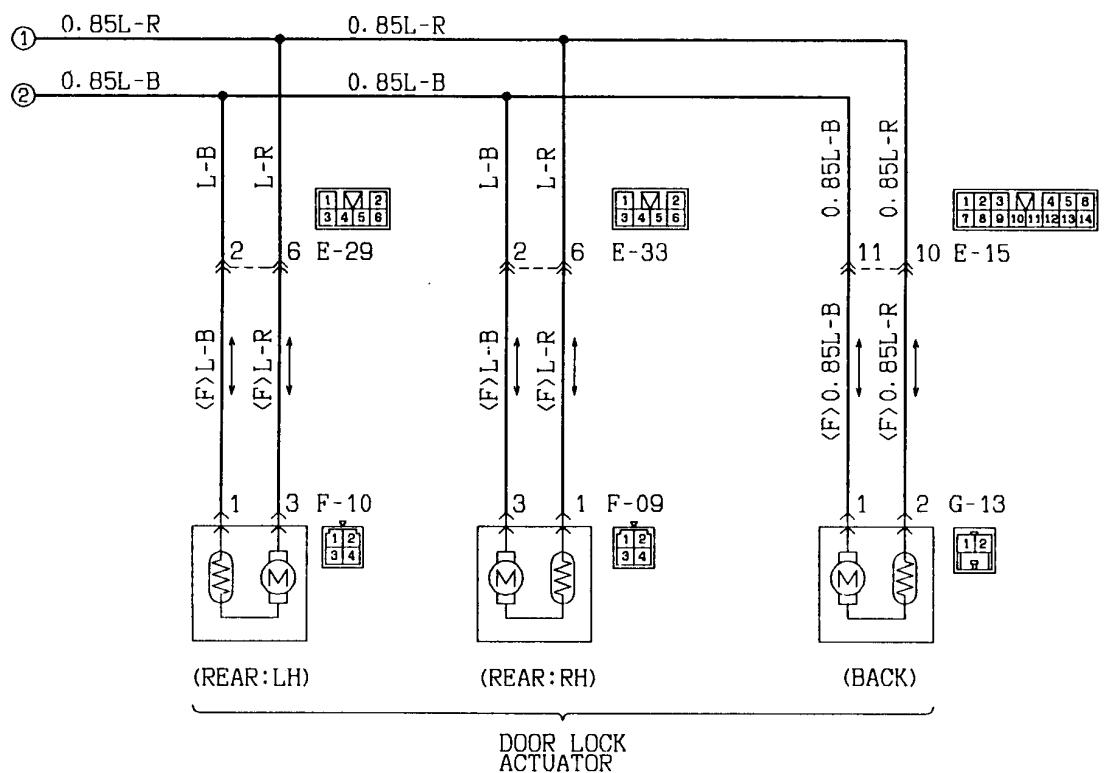
- If the door lock key (passenger's side) is turned to the lock side (or unlock side), the lock side (or unlock side) relay in the door lock control unit goes on for 0.5 second and the actuators for all doors function.

TROUBLESHOOTING HINTS

1. Any one of the door lock actuators is inoperative.
 - Check the defective door actuator.
2. Locking (or unlocking) is possible with the door lock key (passenger's side) but locking (or unlocking) is not possible with the inside lock knob on the driver's side (including door lock key operation).
 - Inspect the front door lock actuator (driver's side)
 - Inspect the door lock control unit.
3. Locking (or unlocking) is possible with the inside lock knob (including door lock key operation) on the driver's side but locking (or unlocking) is not possible with the door lock key (passenger's side).
 - Inspect the door lock key cylinder (passenger's side).
 - Inspect the door lock control unit.

22 CENTRAL DOOR LOCKING SYSTEM



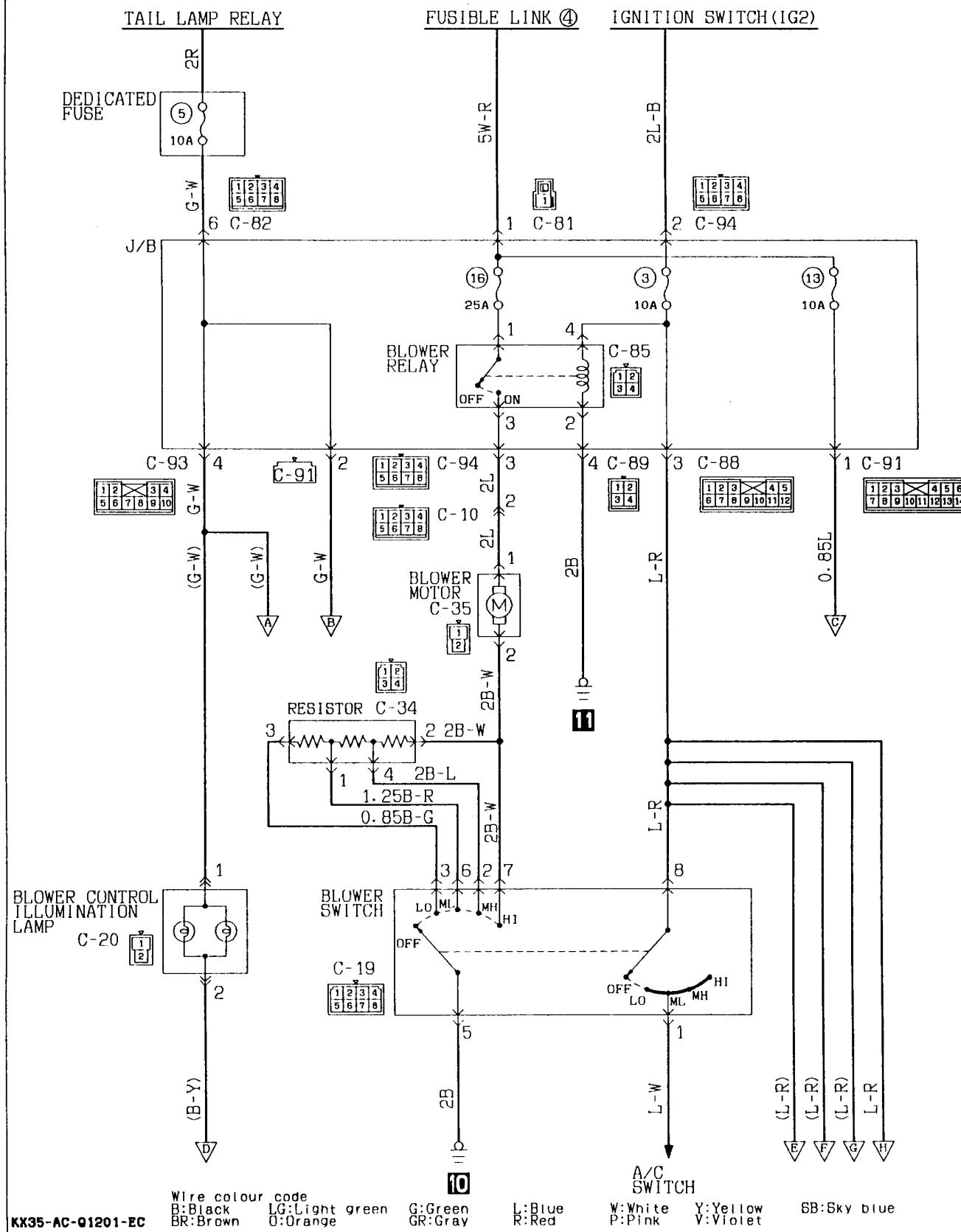


Wire colour code

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	

23 HEATER

23-1 Vehicles with rear heater <with dual air conditioner>



KX35-AC-Q1201-EC

Wire colour code
B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray

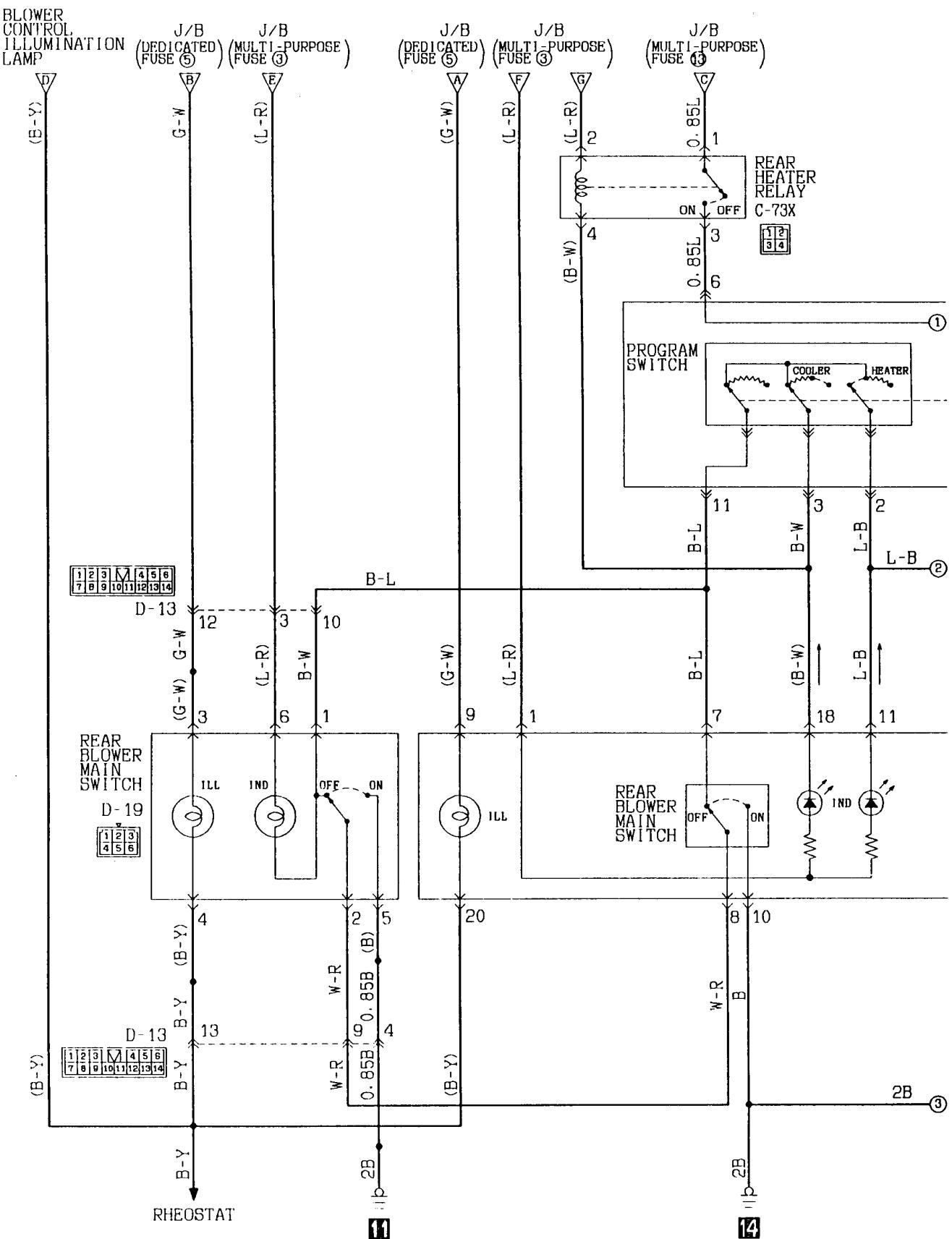
L:Blue
R:Red

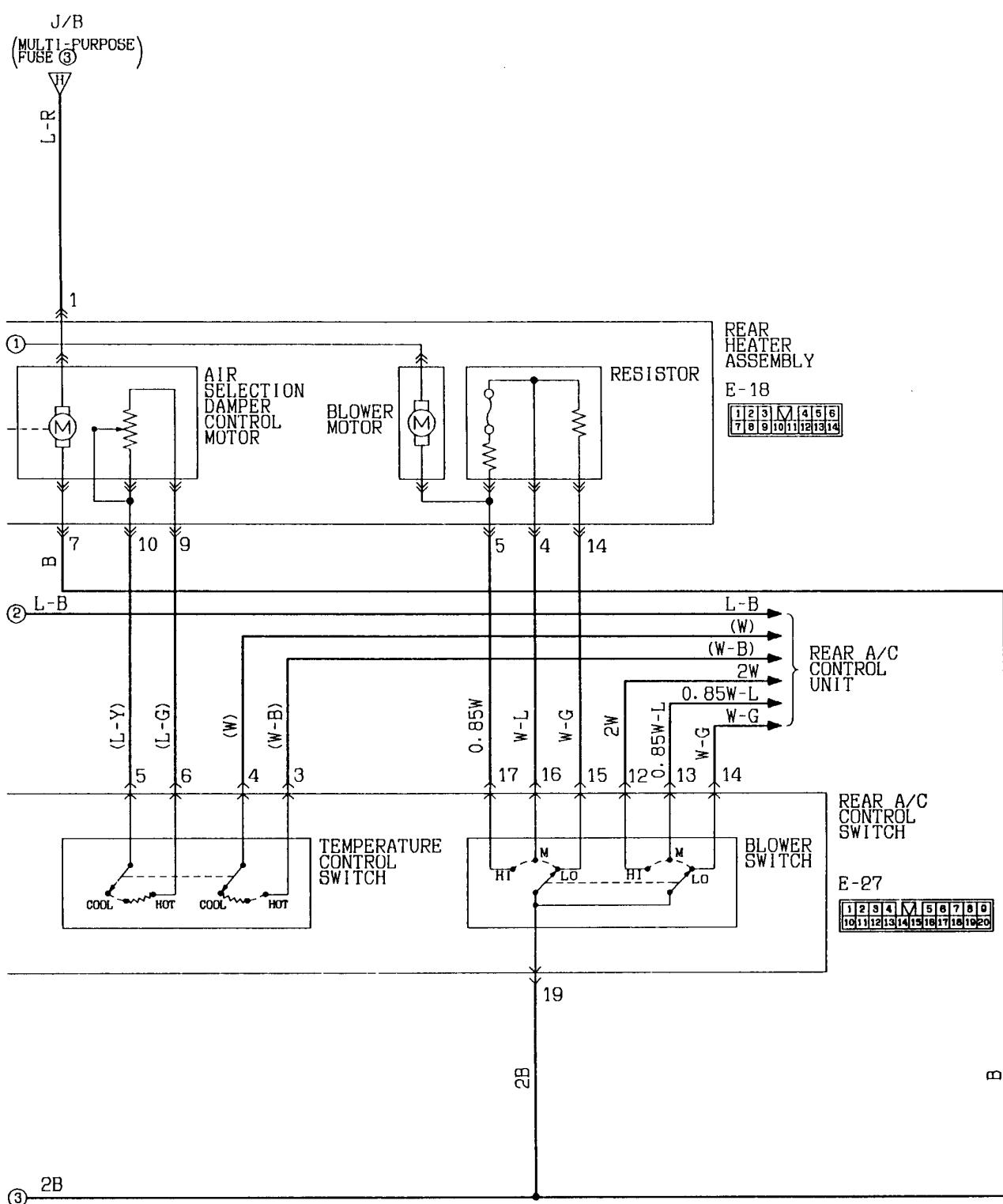
W:White Y:Yellow
P:Pink V:Violet

SB:Sky blue

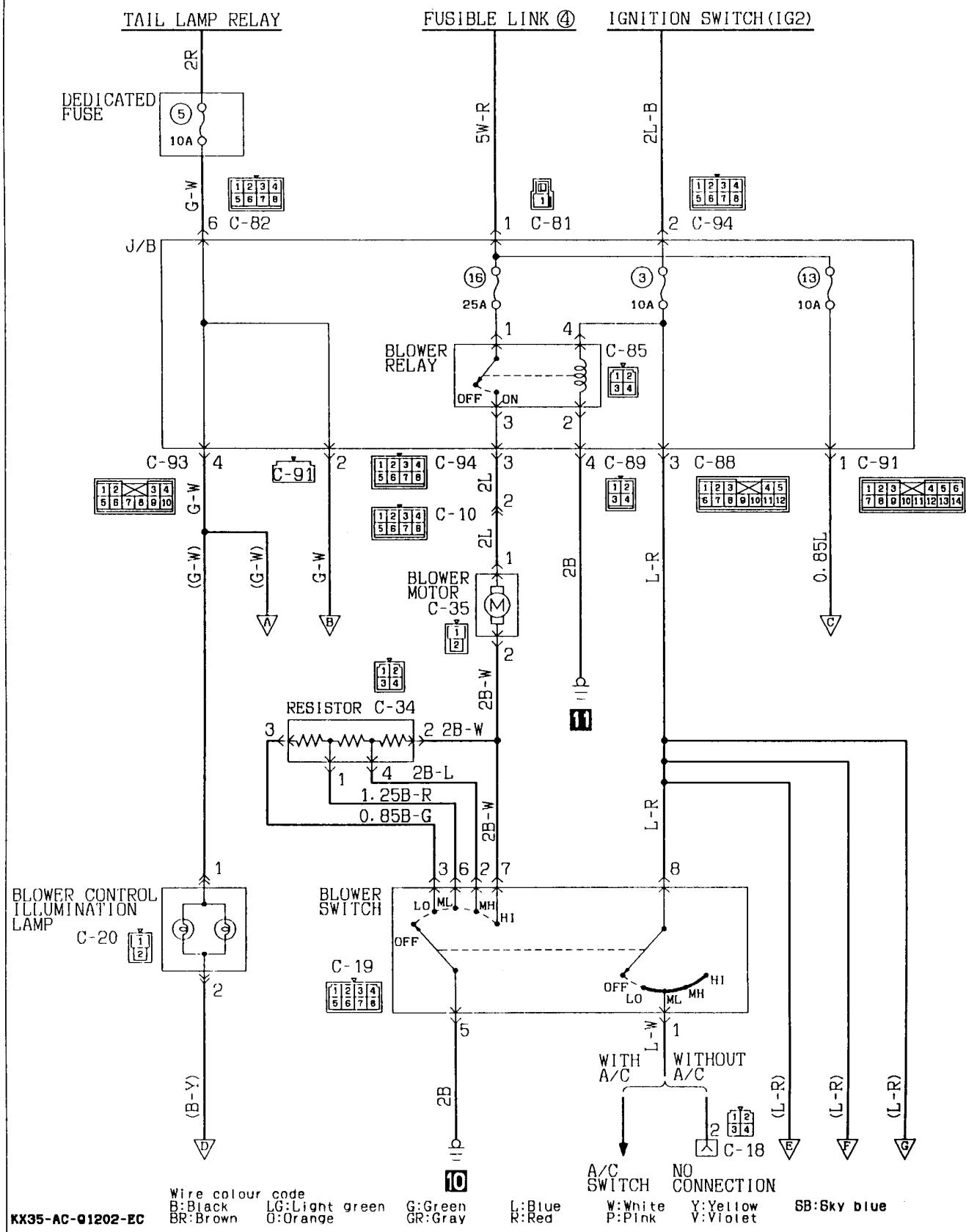
CIRCUIT DIAGRAM — Heater

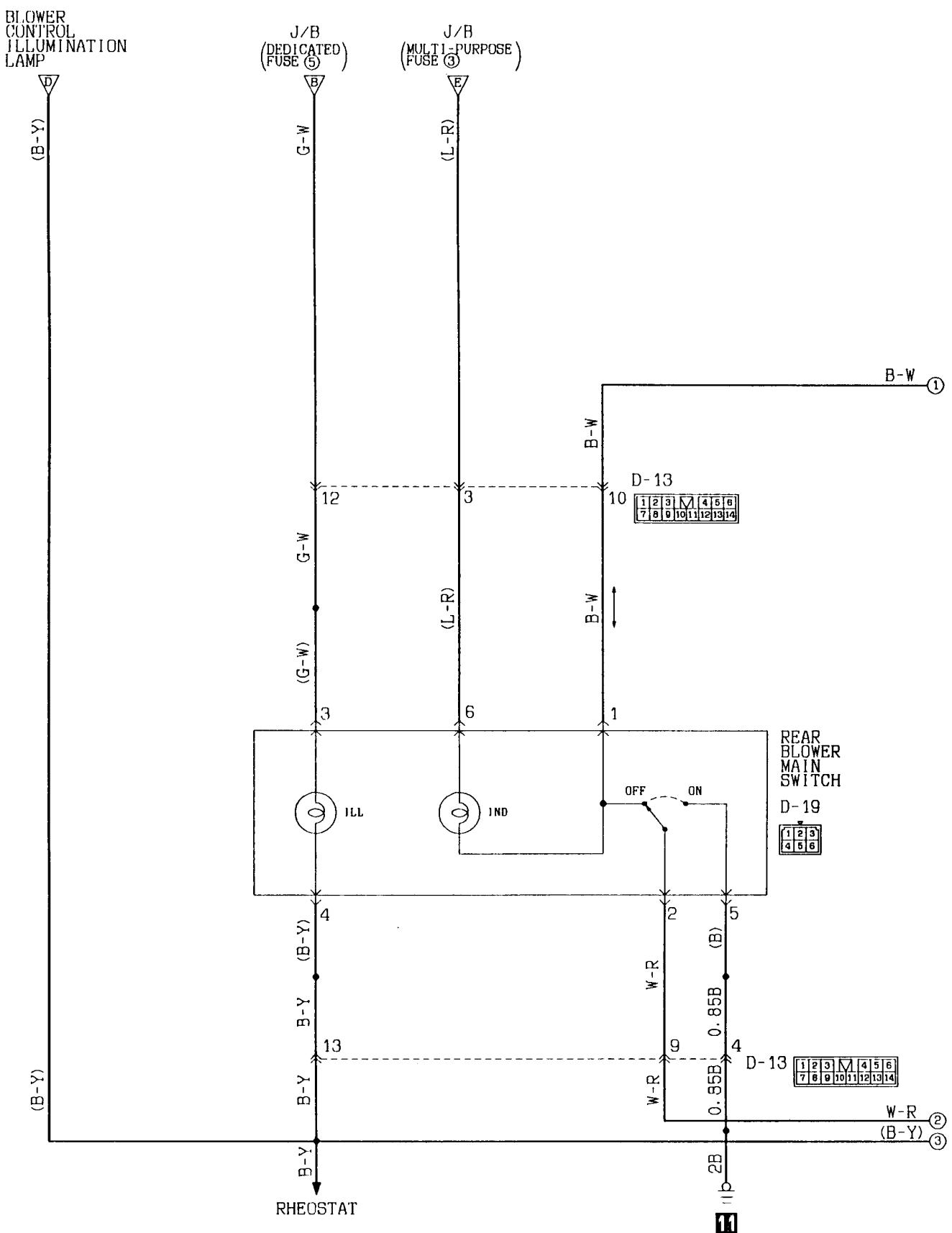
4-109

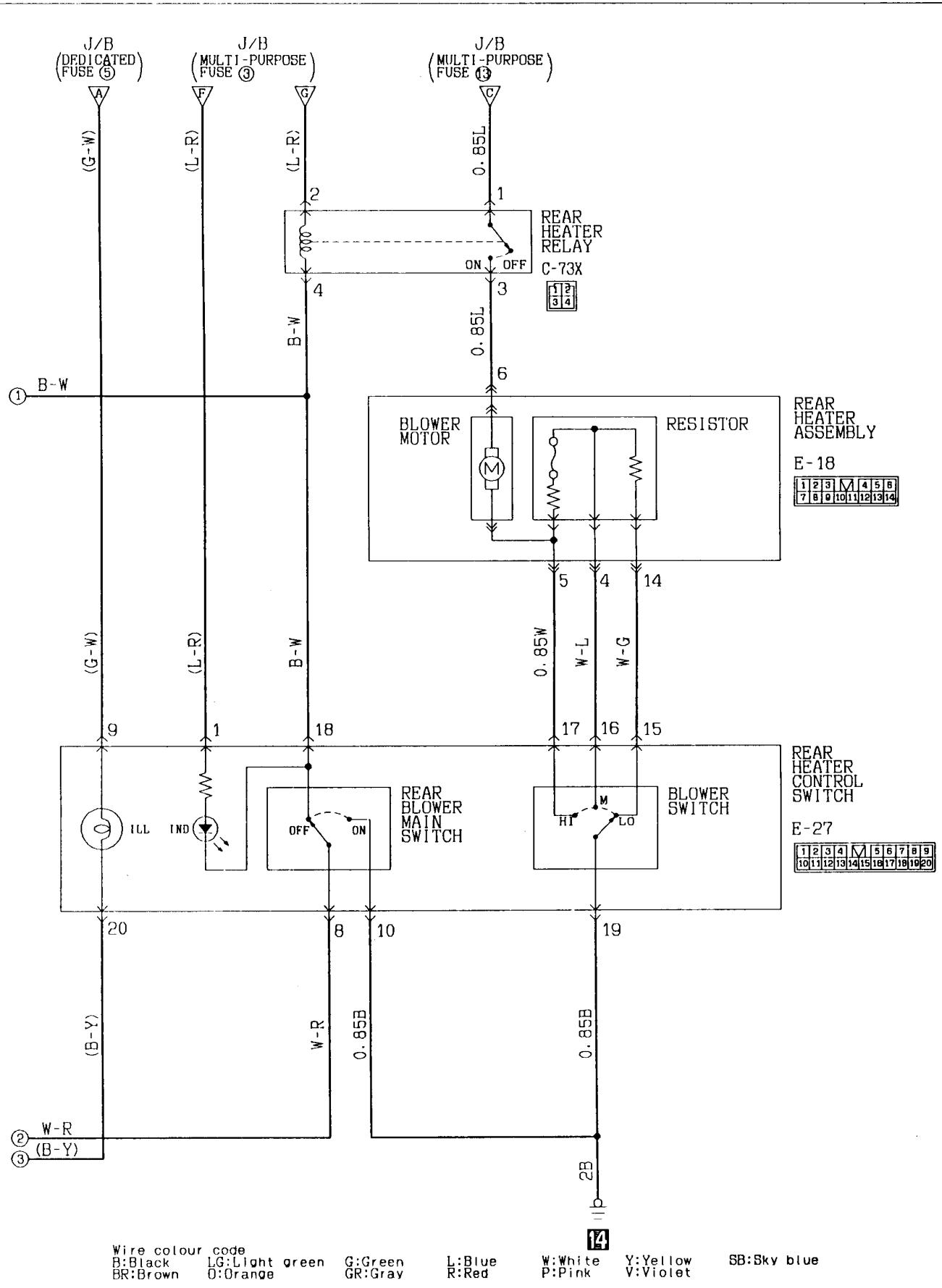




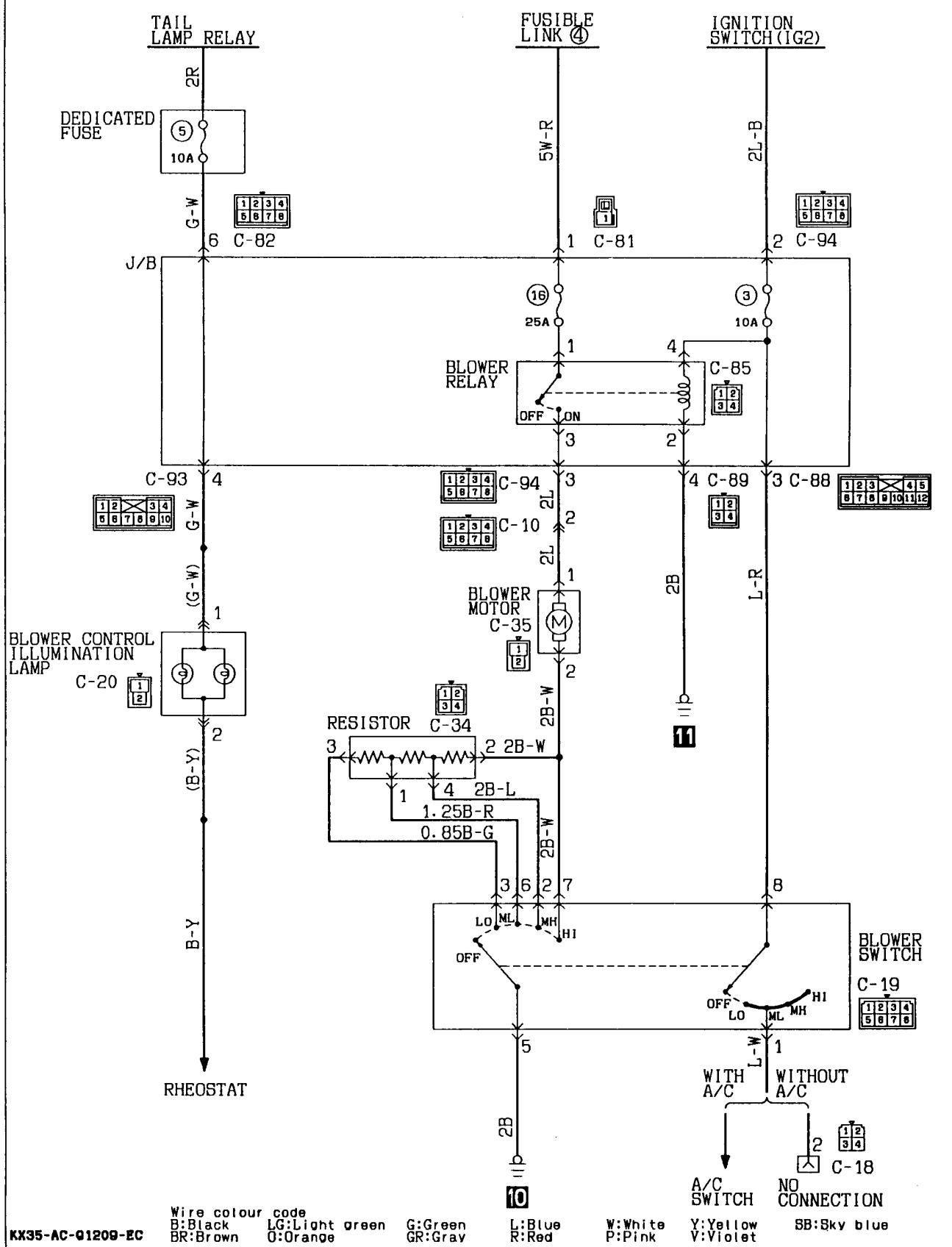
23-2 Vehicles with rear heater<without dual air conditioner>







23-3 Vehicles without rear heater



HEATER (See P. 4-108, 111, 114.)**OPERATION****<Front heater operation>**

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

<Rear heater operation>

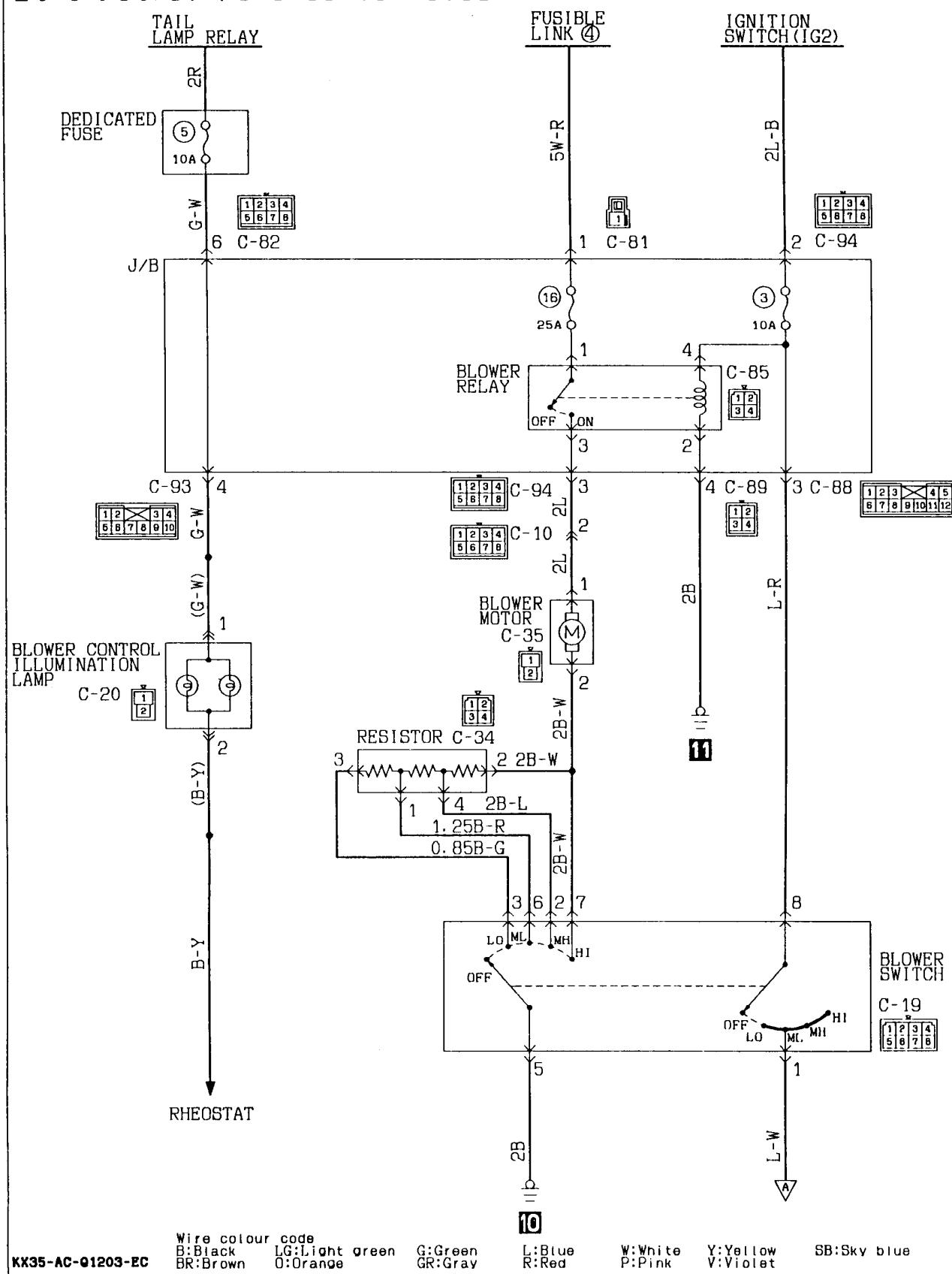
- When the ignition switch is in the ON position and the rear heater control switch is turned to ON, the rear heater relay turns ON and the blower motor is activated via the resistor at a speed corresponding to the blower switch position (LO, M, HI).

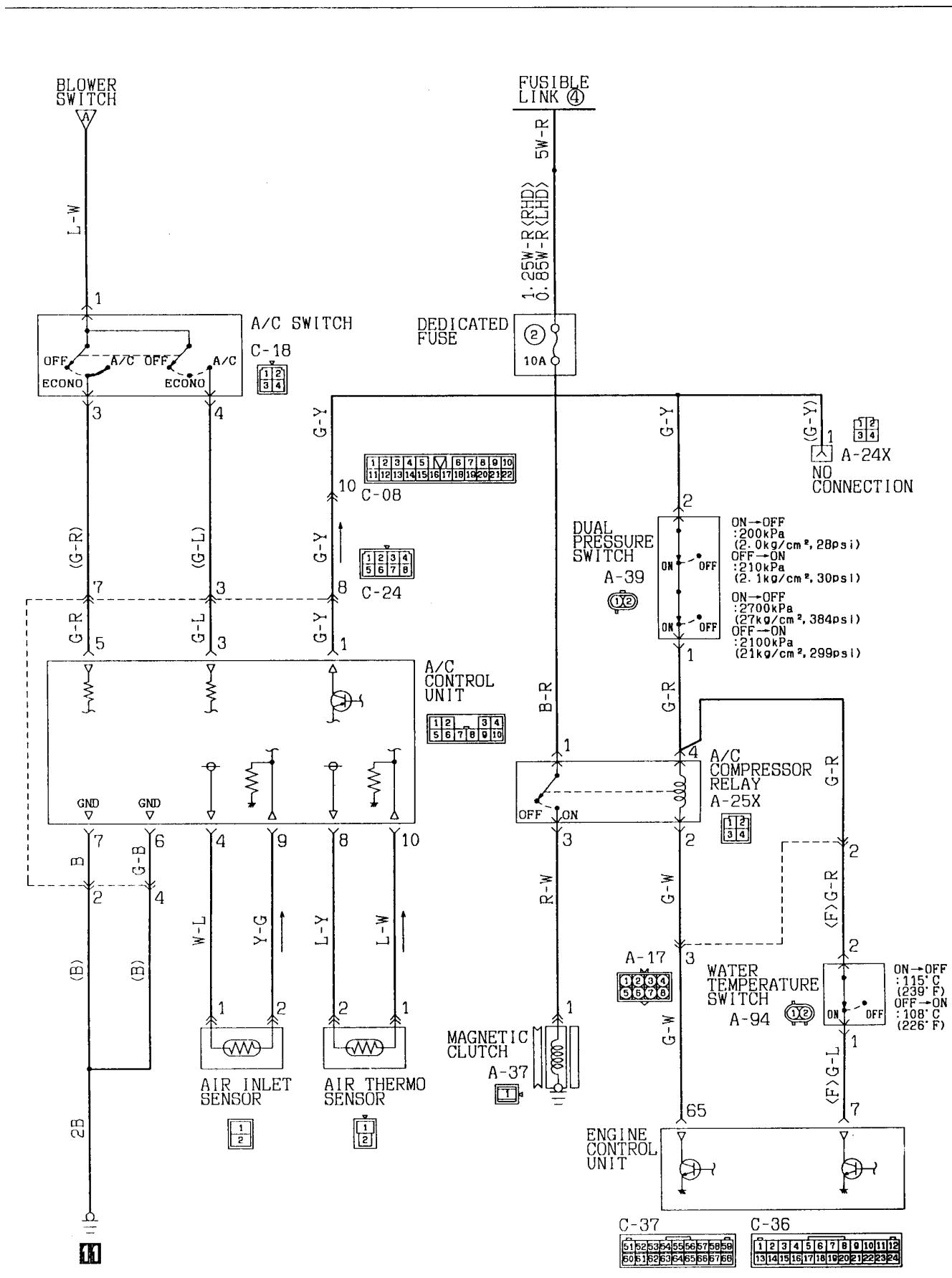
TROUBLESHOOTING HINTS

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

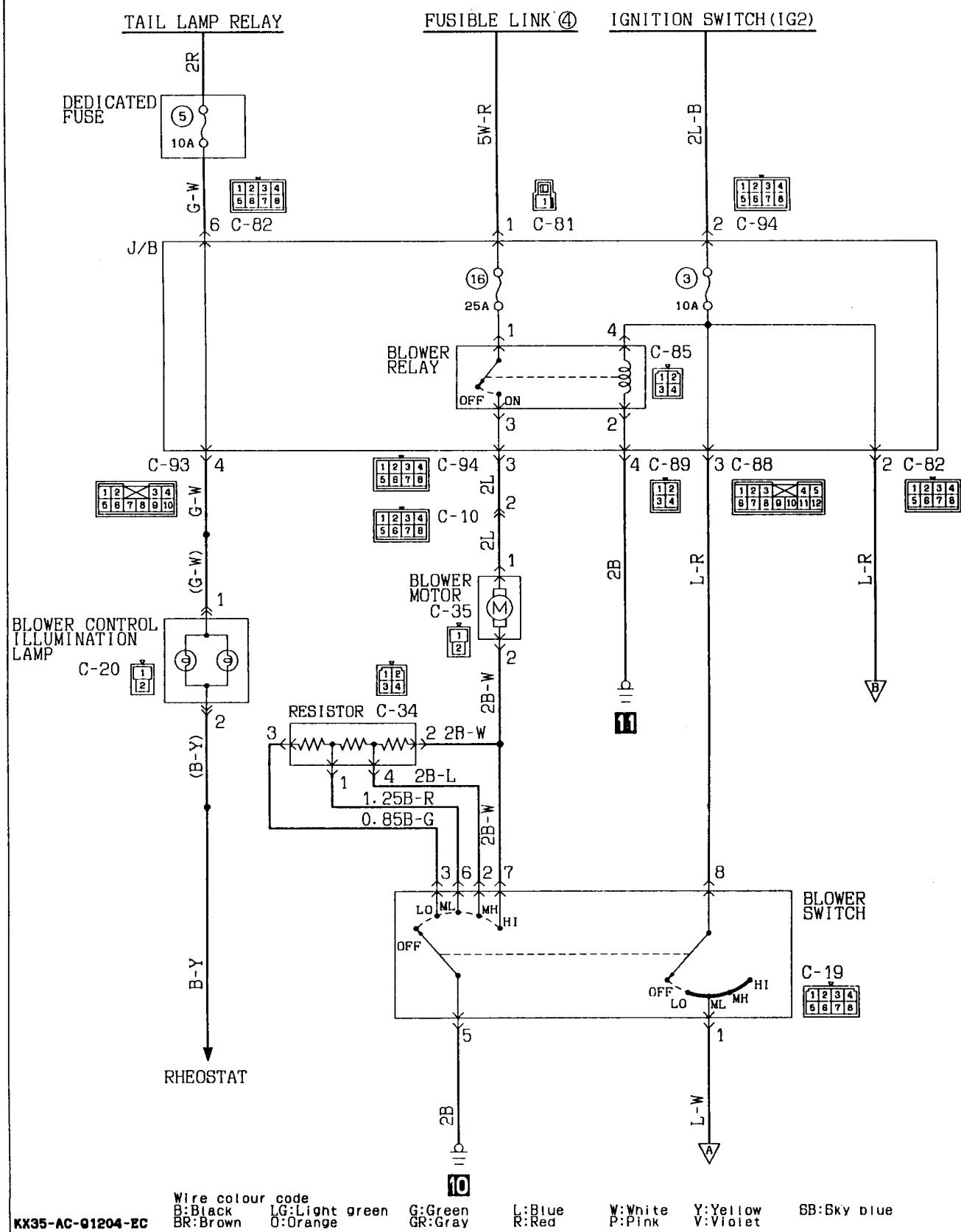
24 SINGLE AIR CONDITIONER

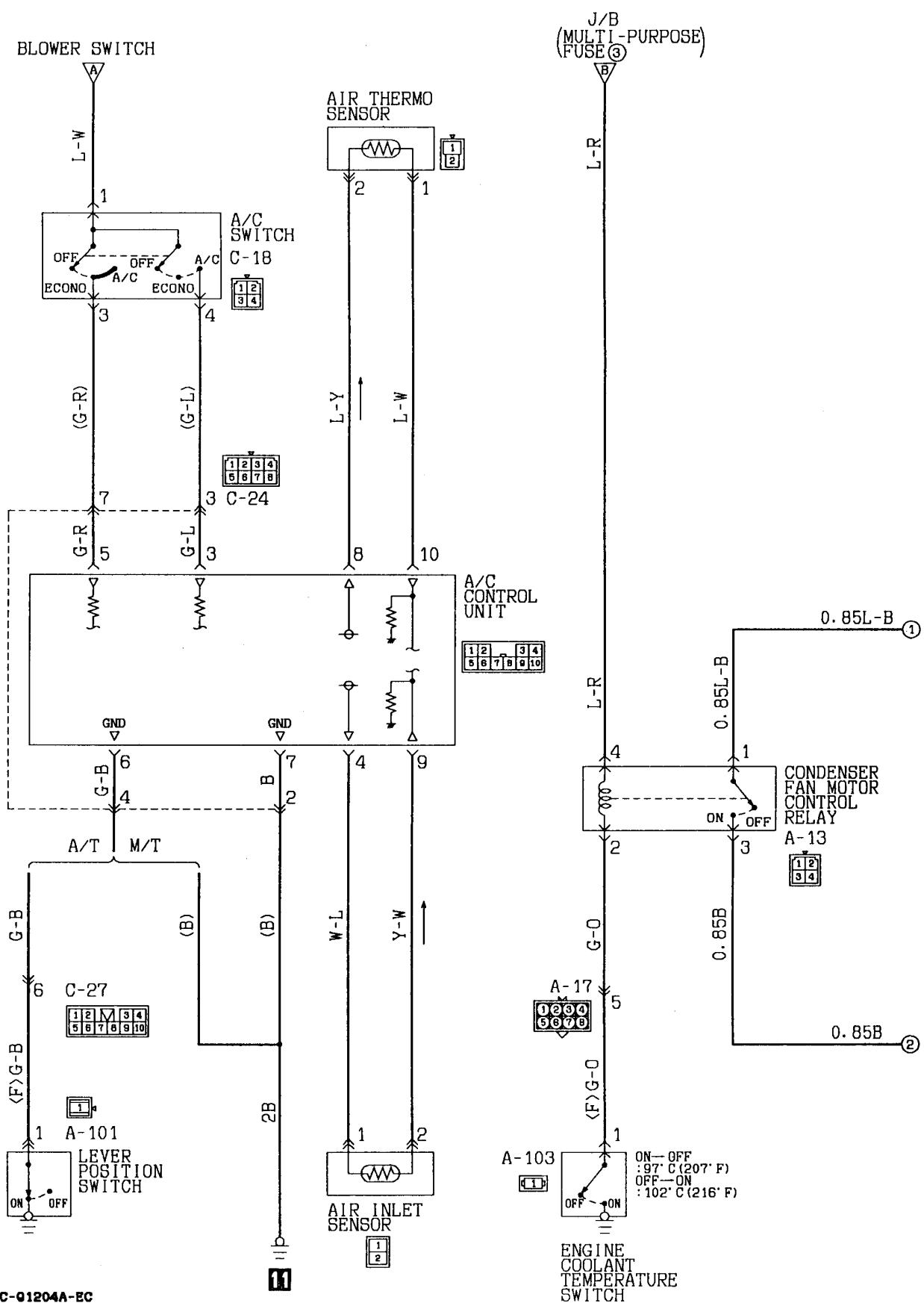
24-1 Petrol-powered vehicles

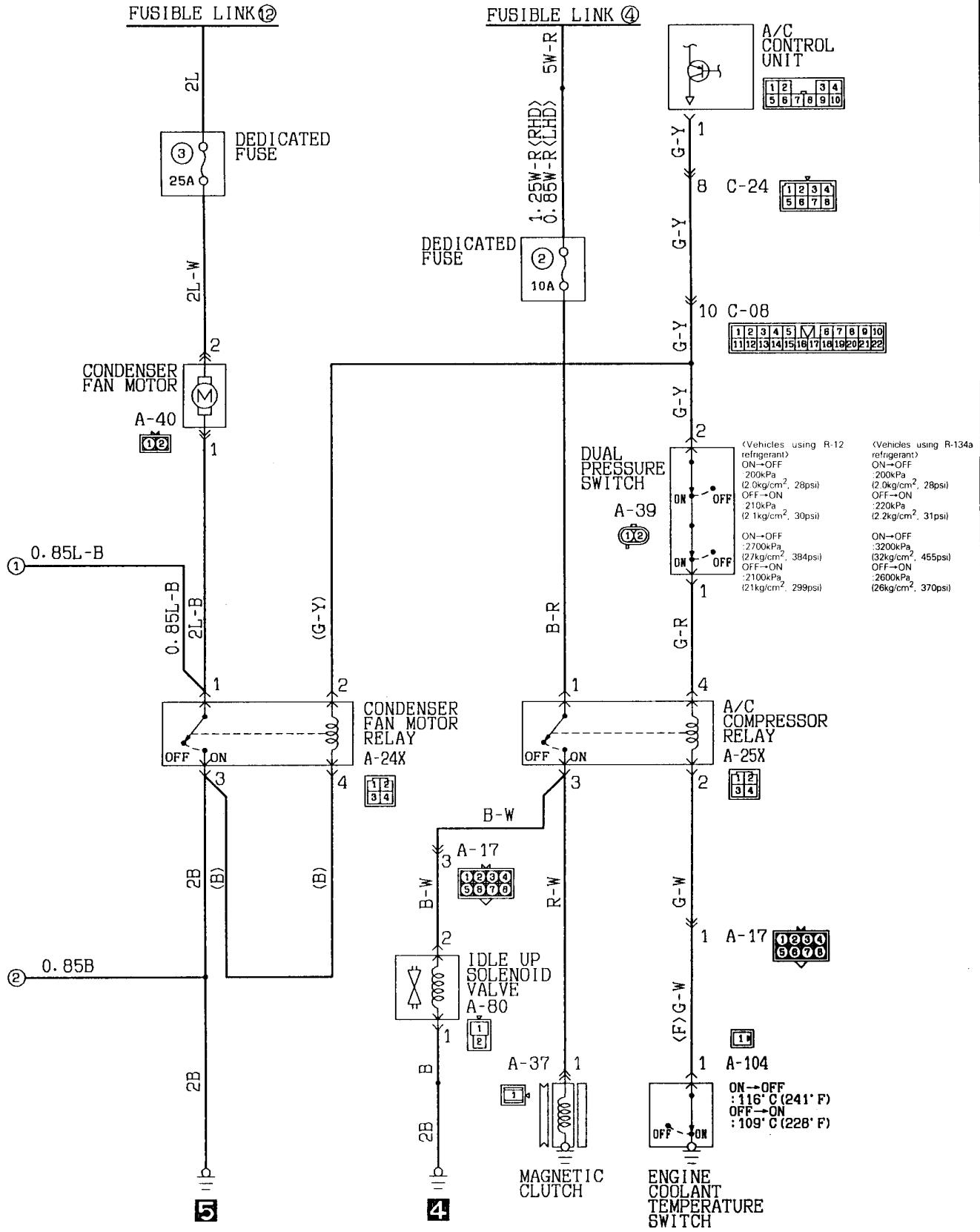




24-2 Diesel-powered vehicles

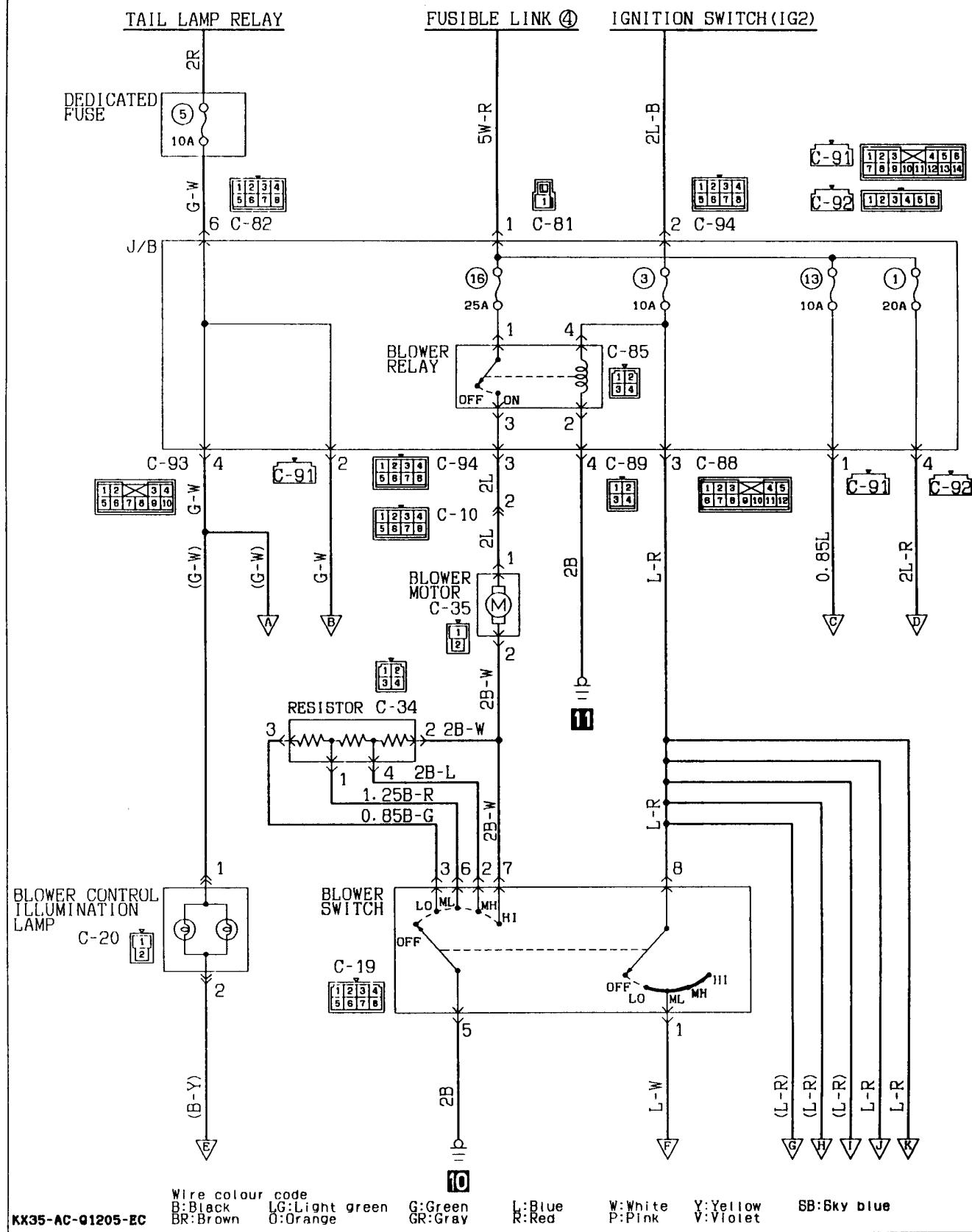


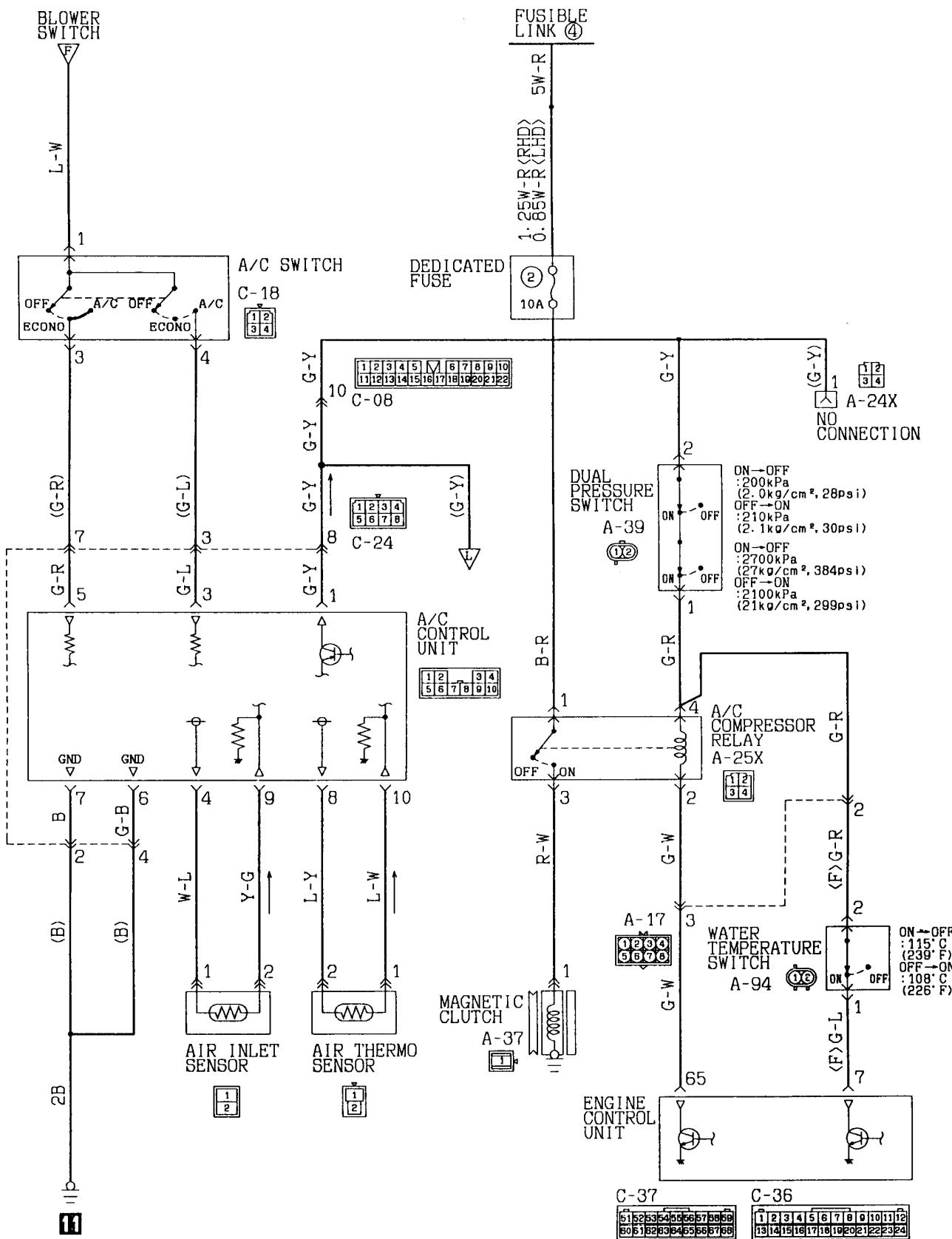




25 DUAL AIR CONDITIONER

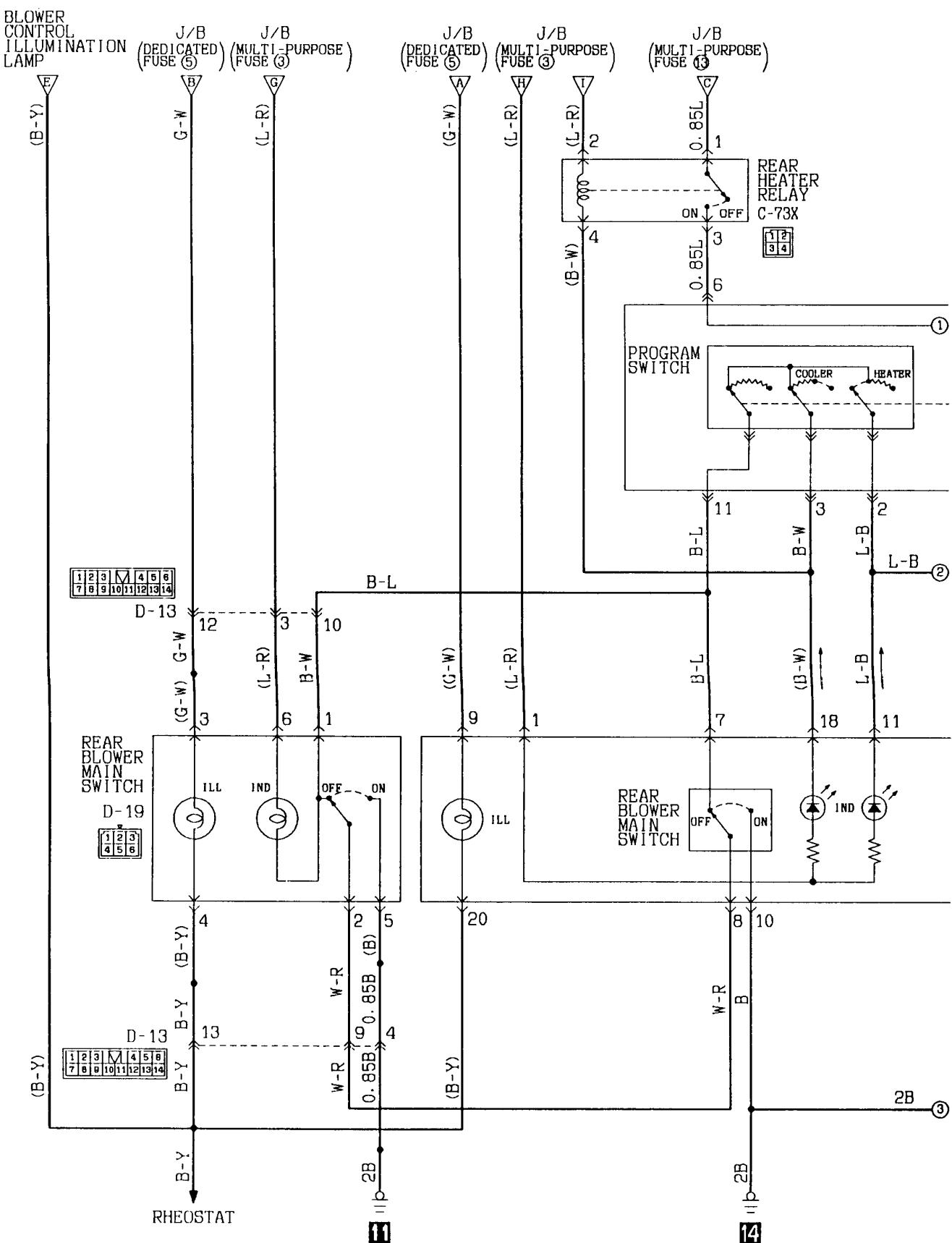
25-1 Petrol-powered vehicles with rear heater

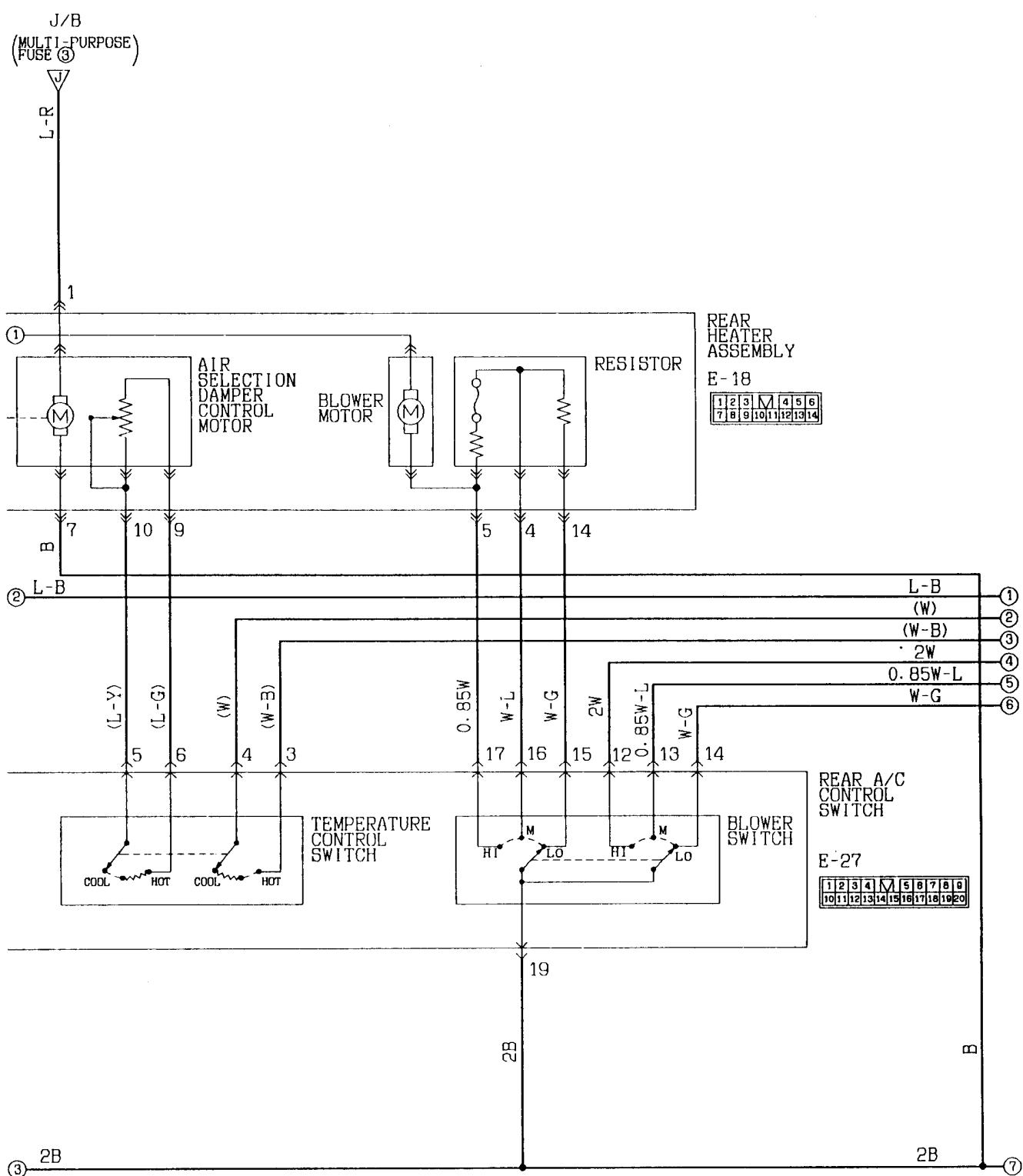




CIRCUIT DIAGRAM — Dual Air Conditioner

4-123





Wire colour code

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

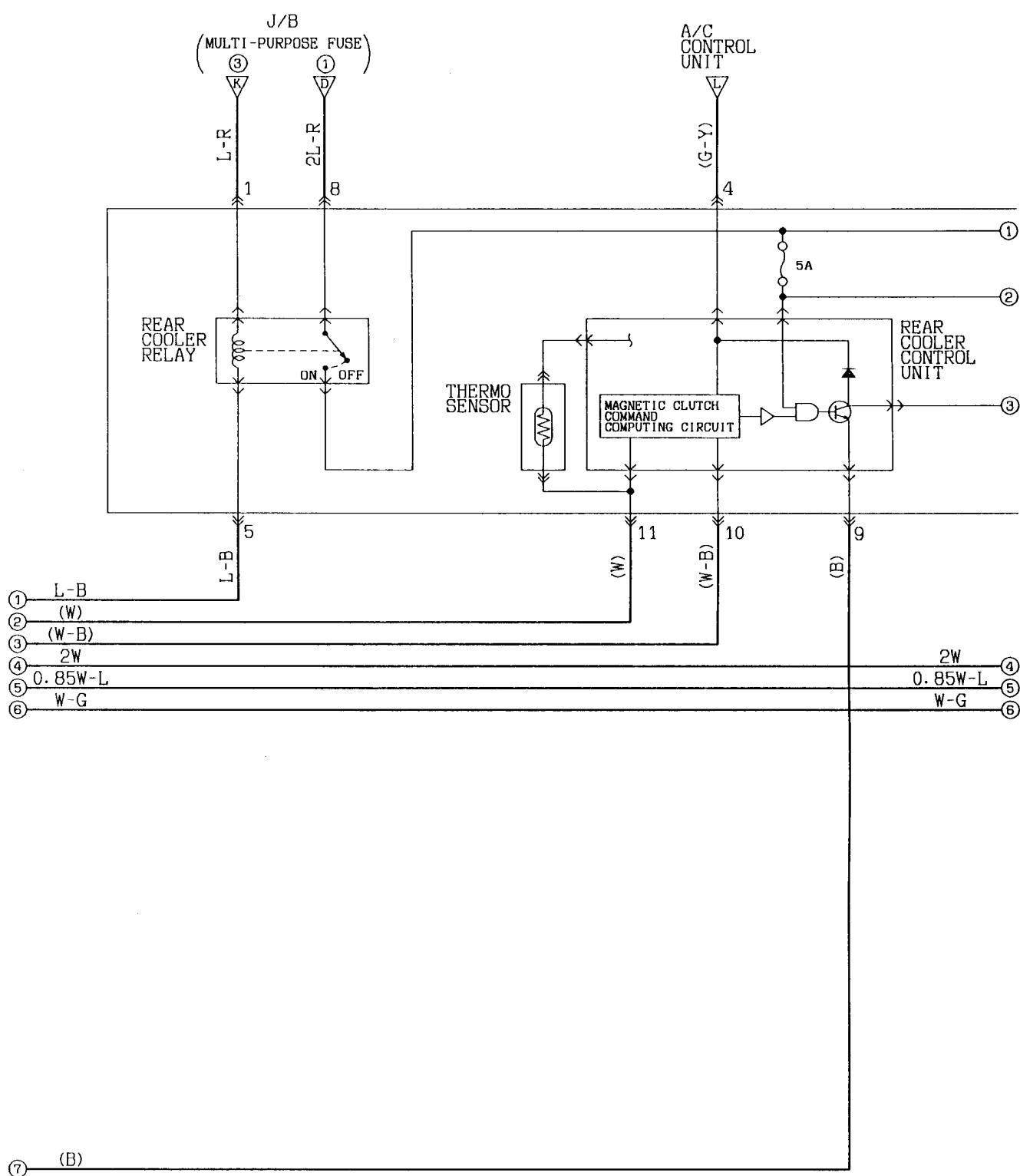
G:Green
GR:Gray

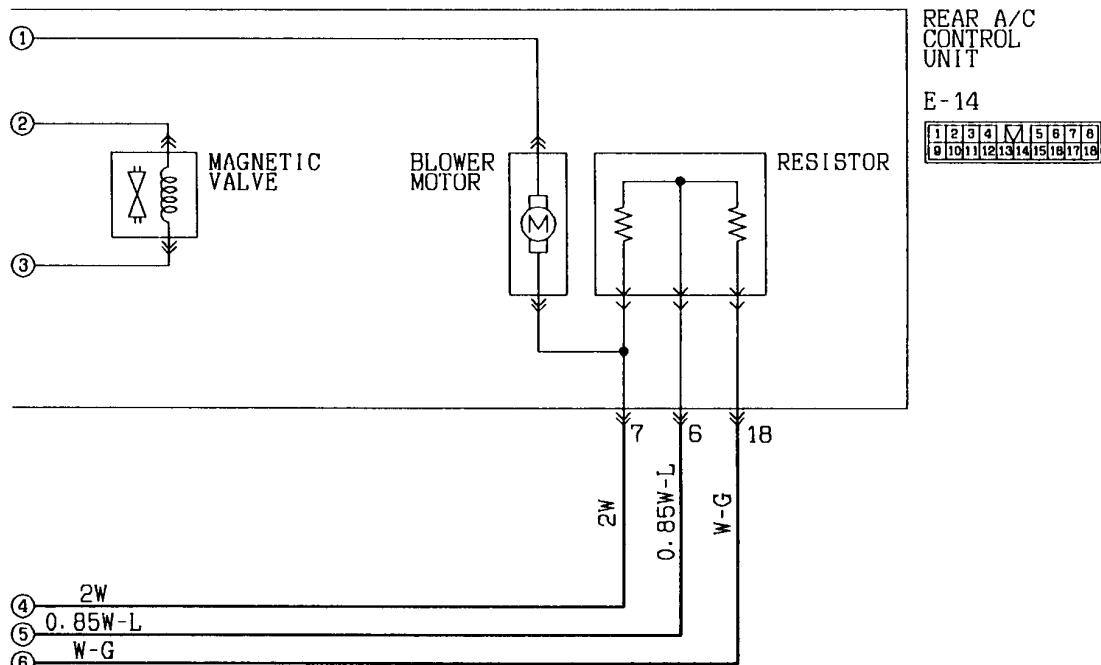
L:Blue
R:Red

W:White
P:Pink

Y:Yellow
V:Violet

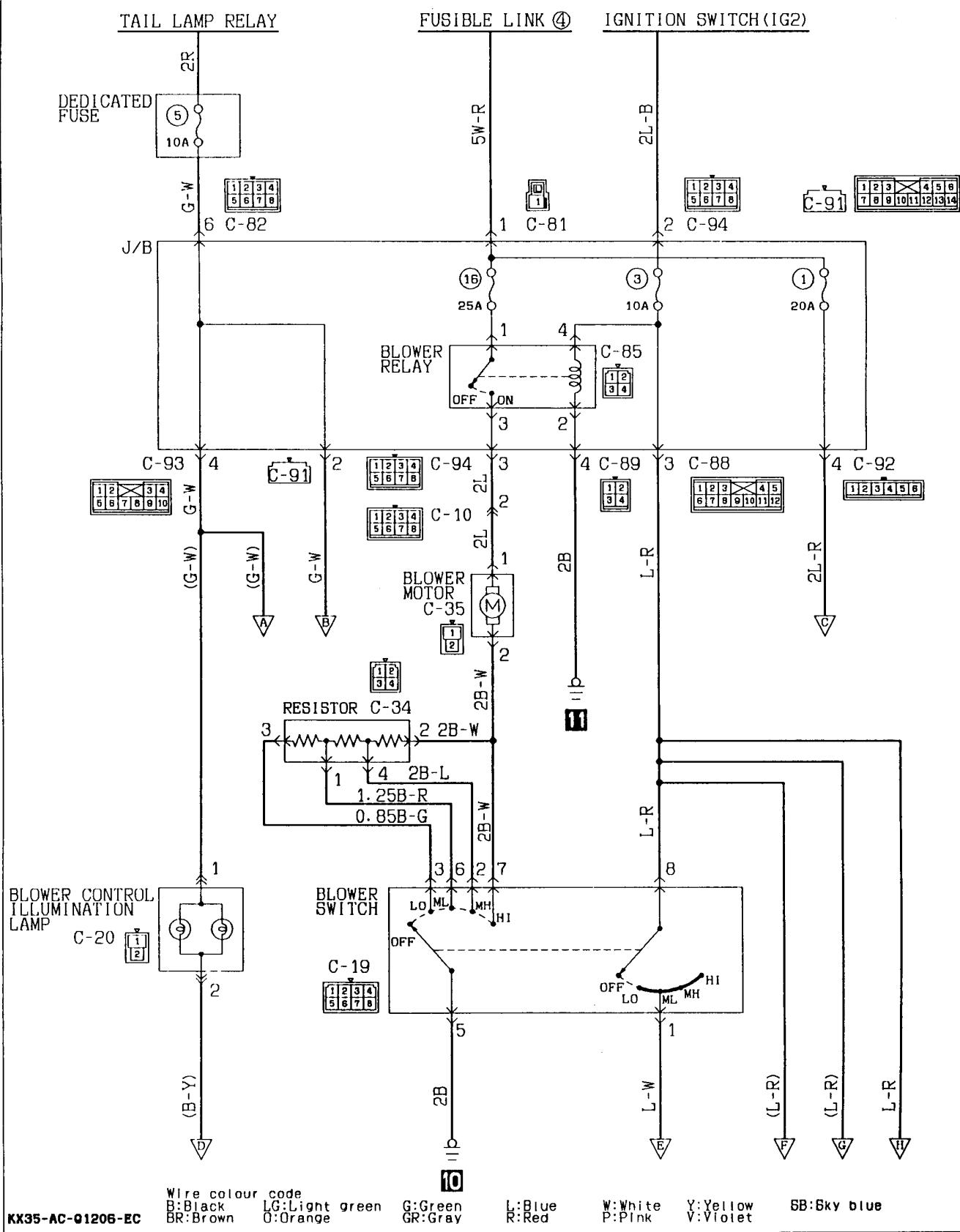
SB:Sky blue

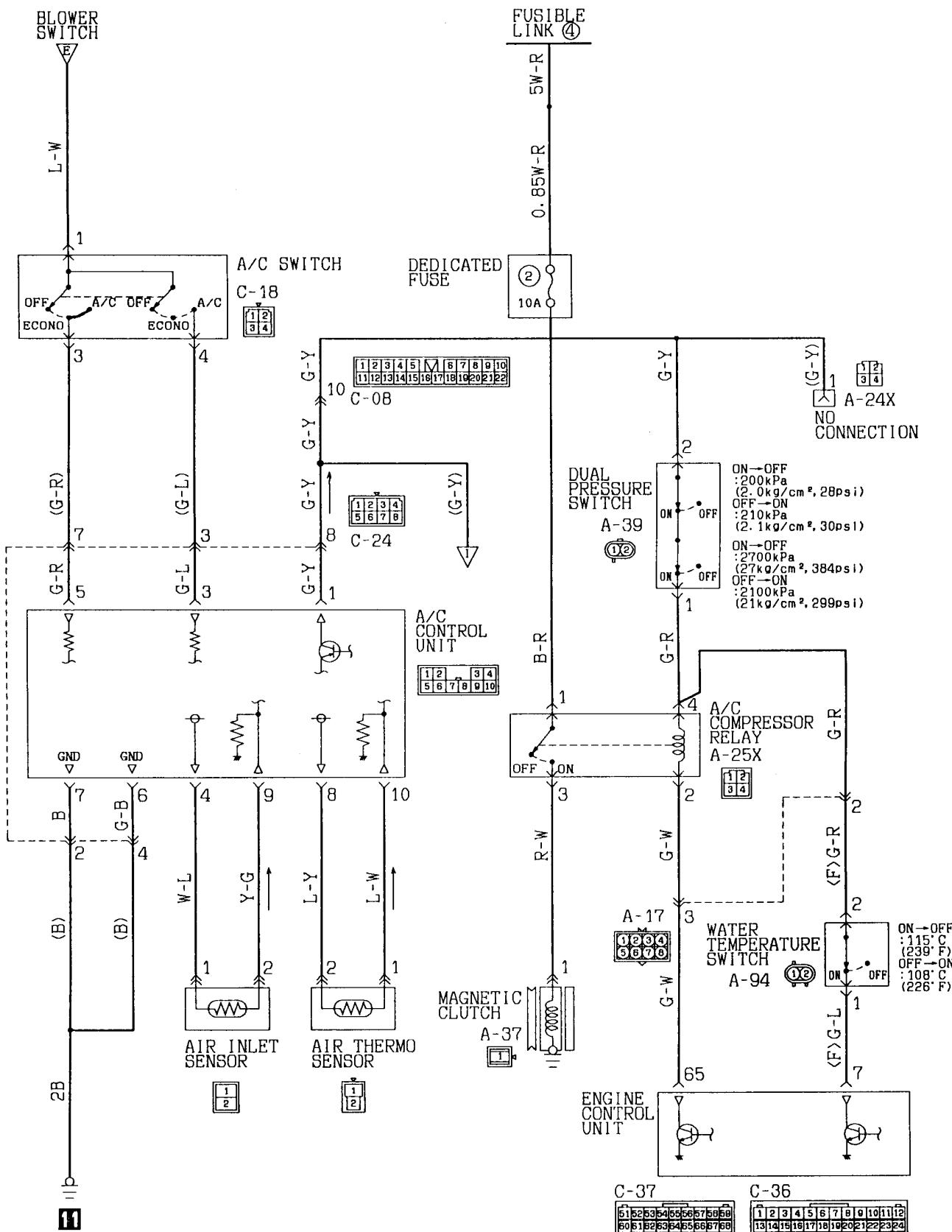


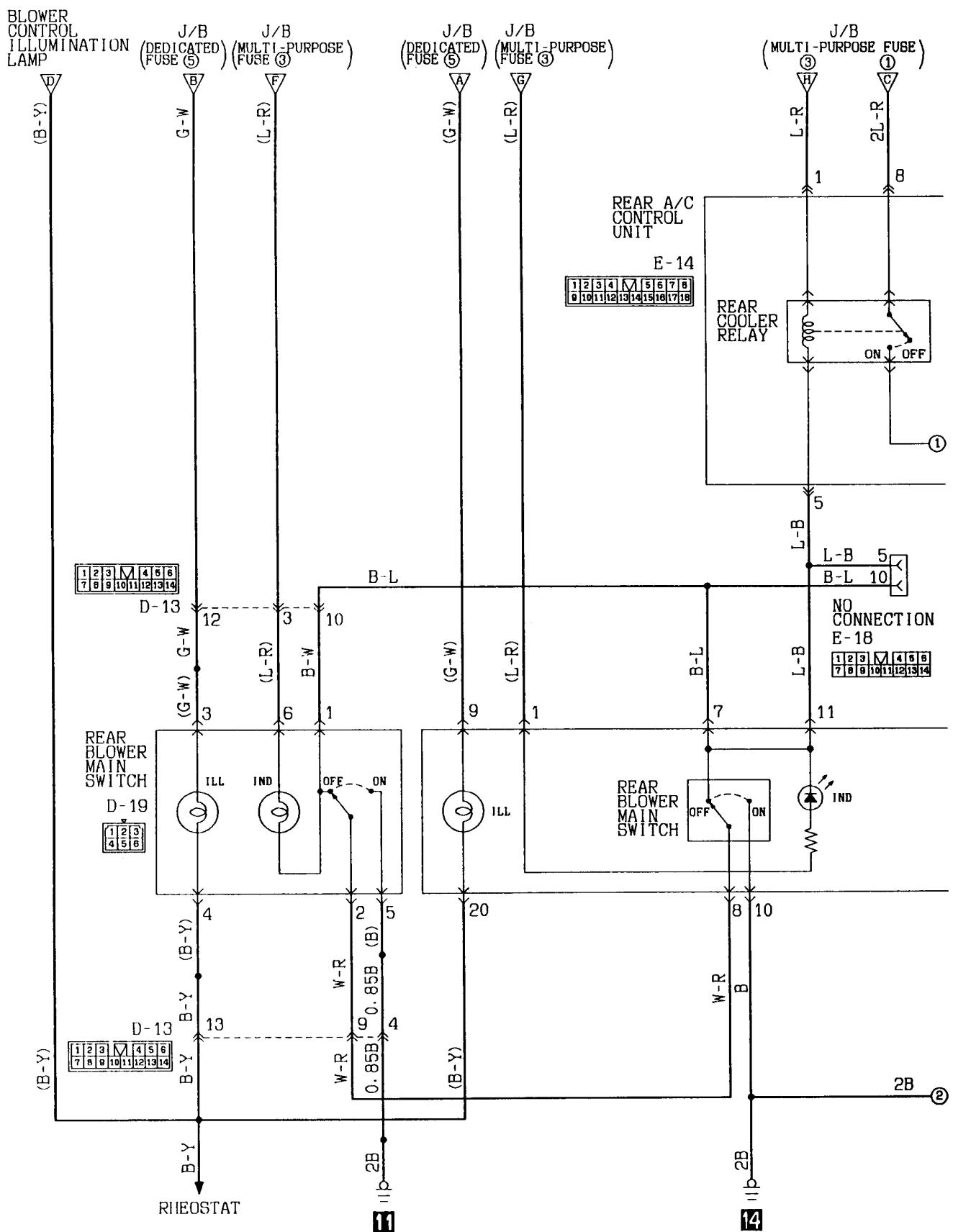


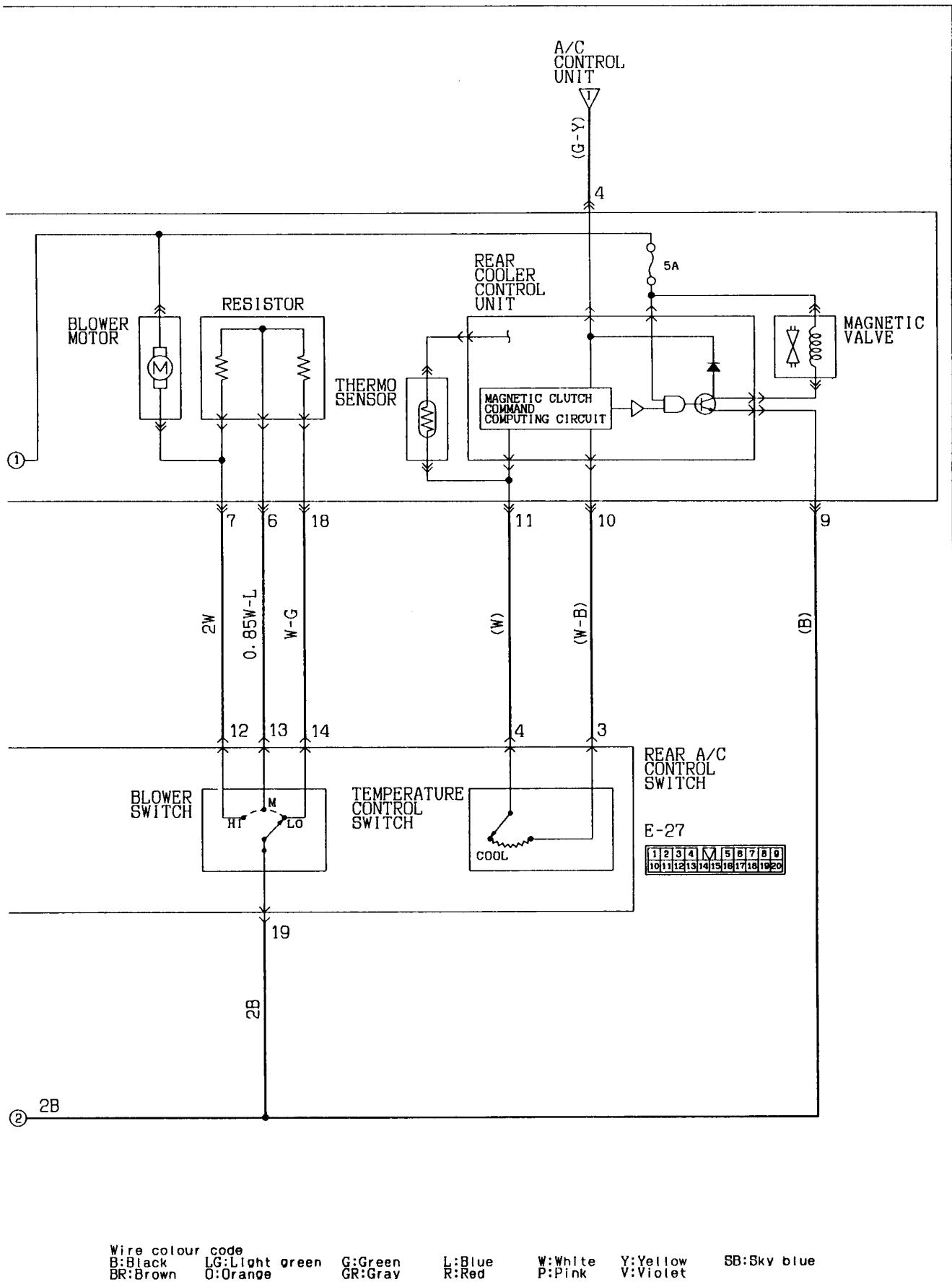
Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow BB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

25-2 Petrol-powered vehicles without rear heater

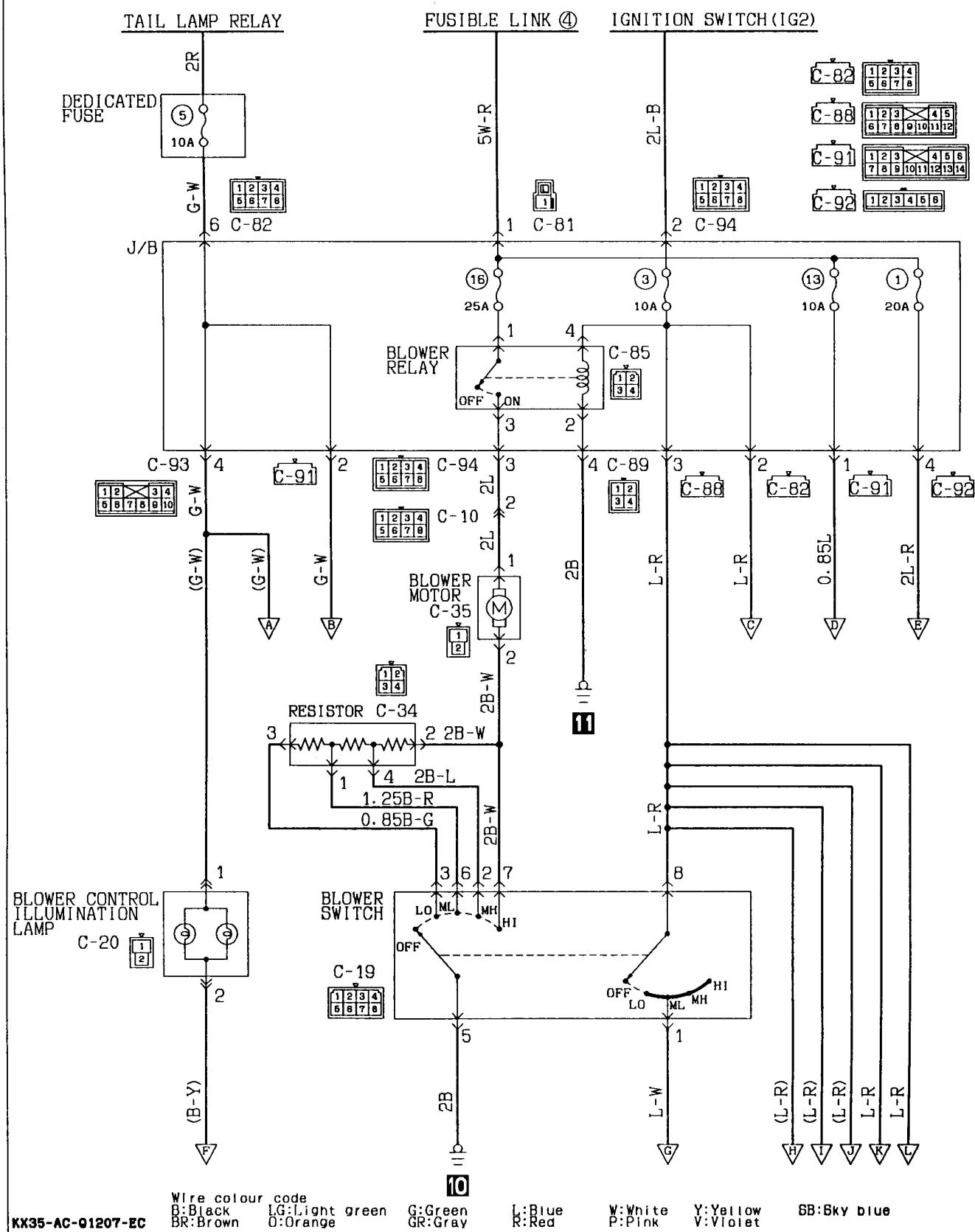


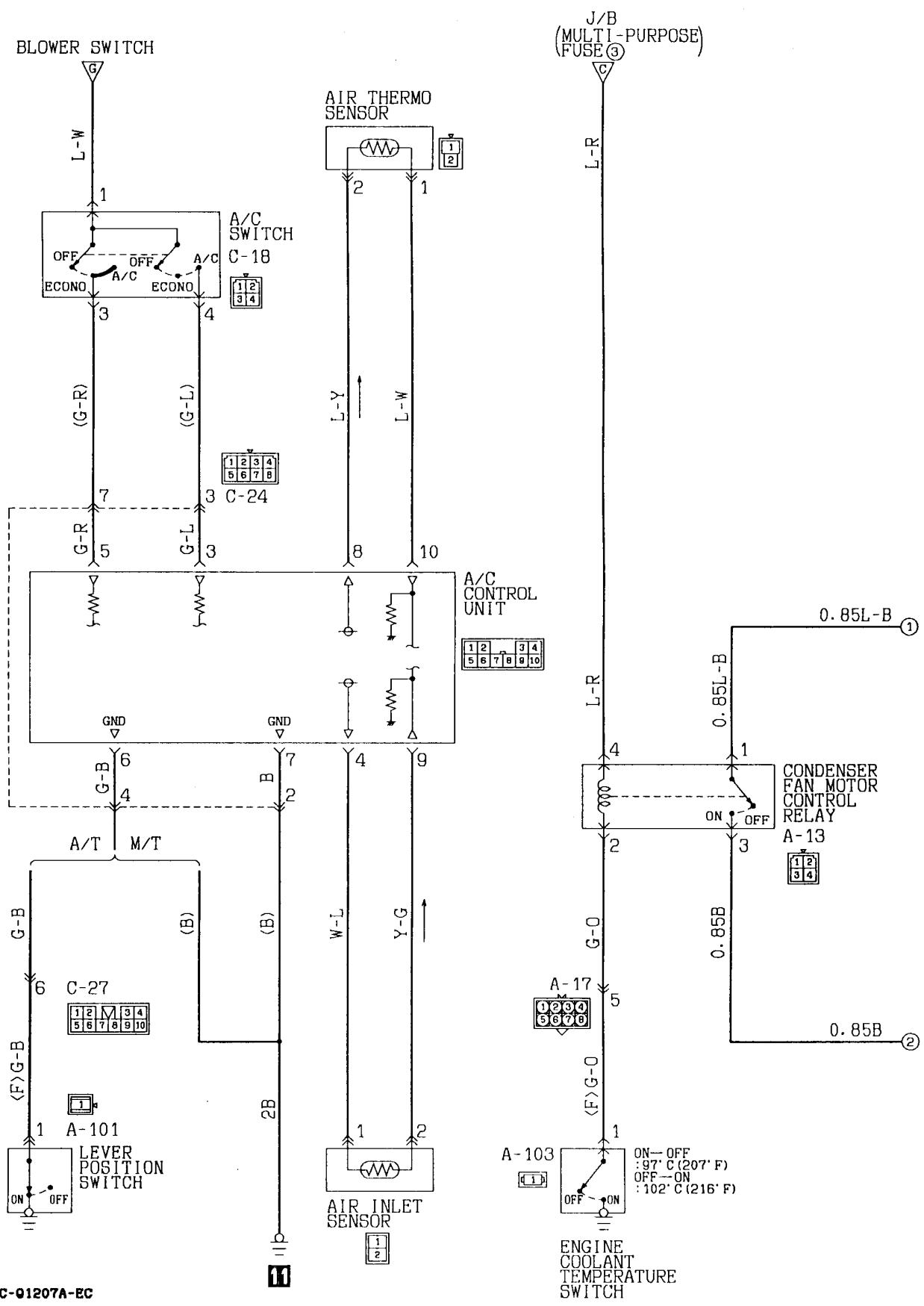


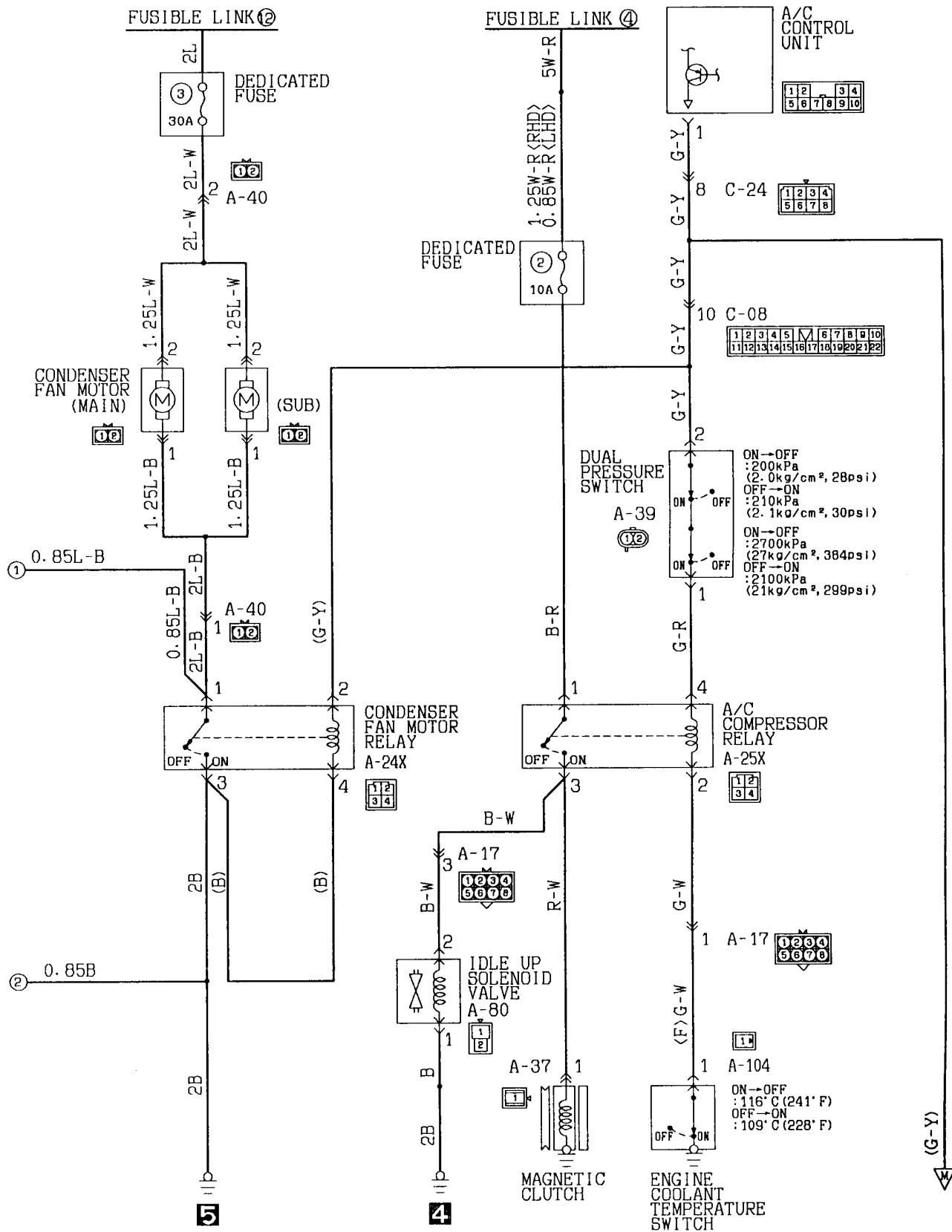


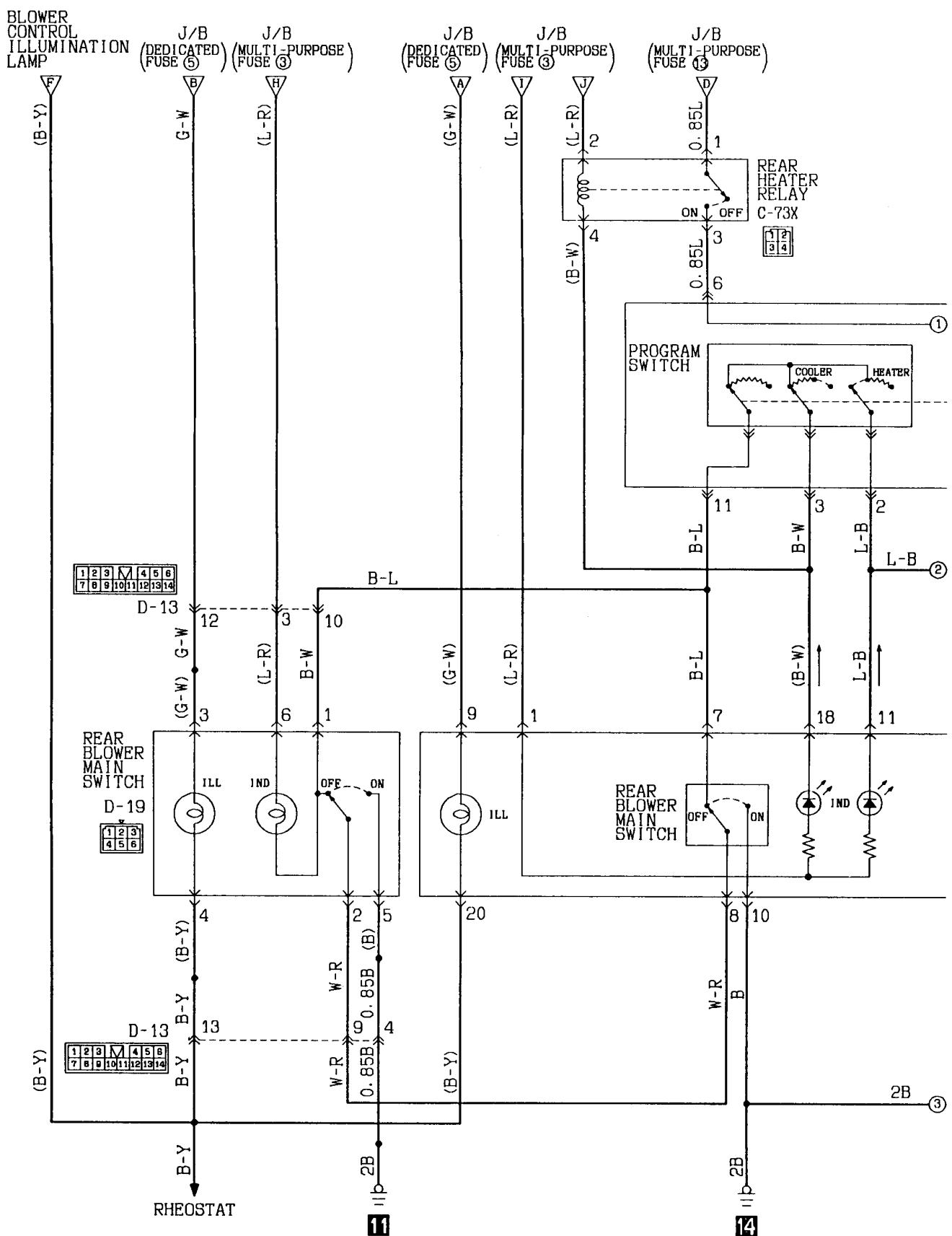


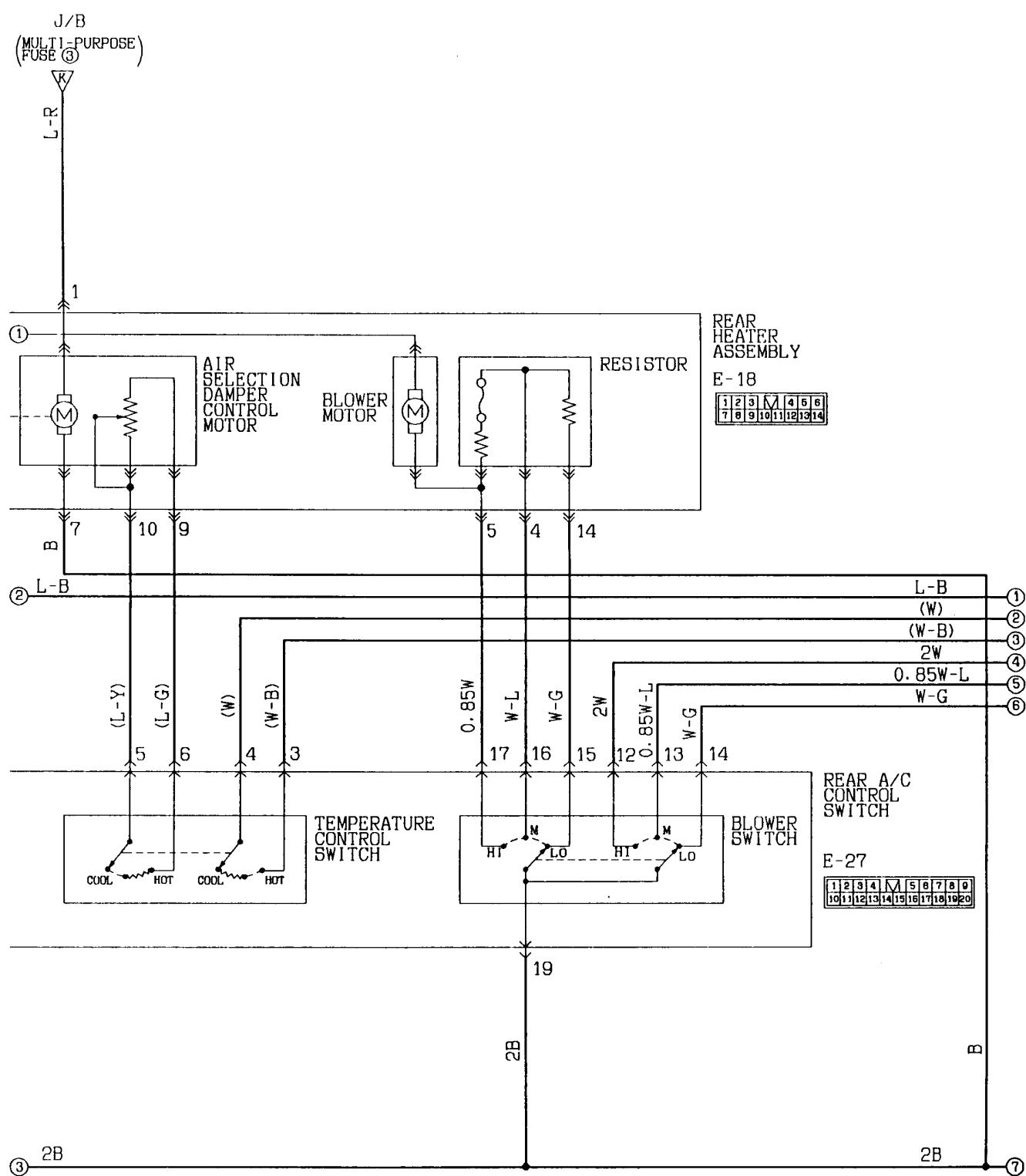
25-3 Diesel-powered vehicles with rear heater



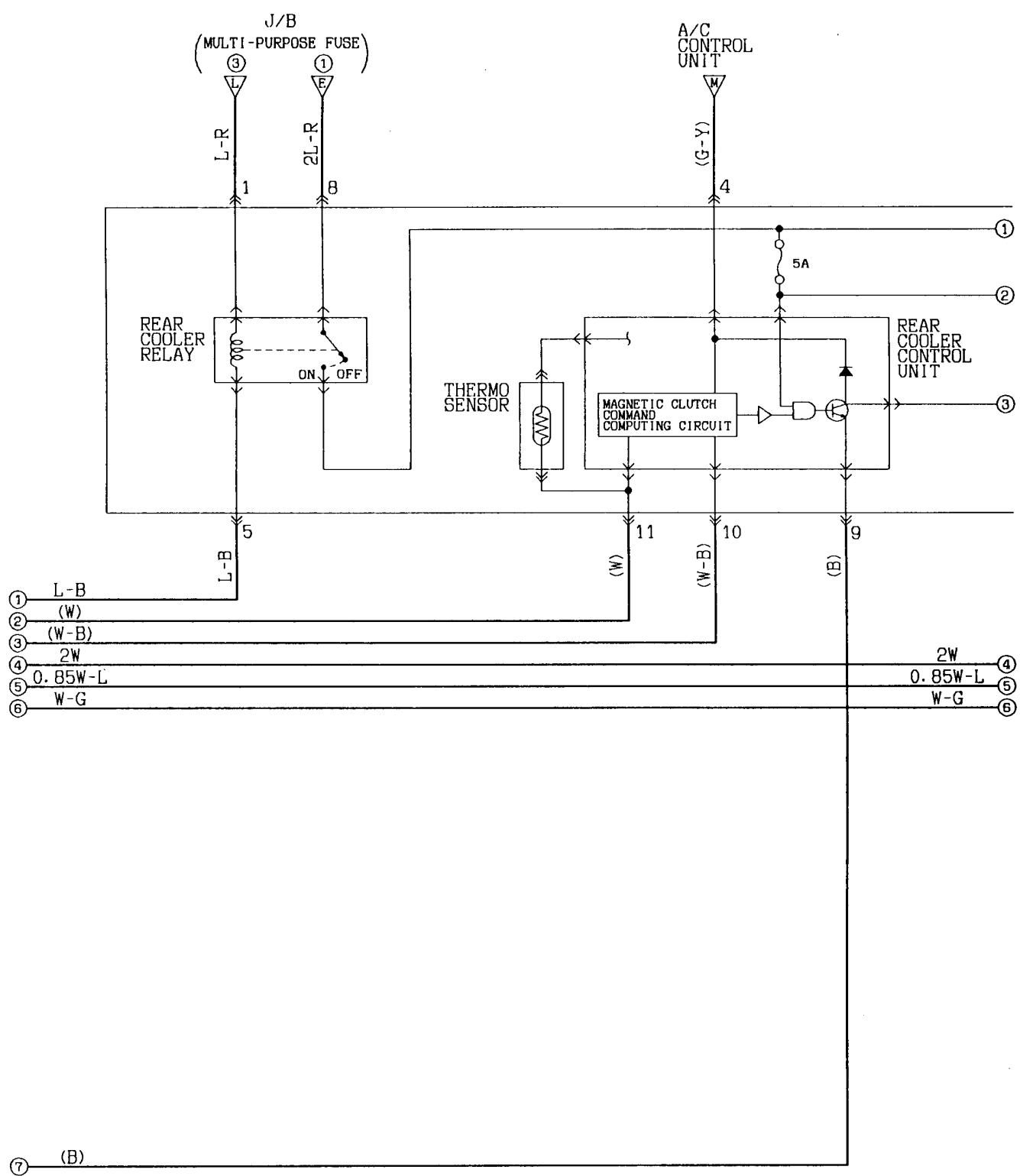


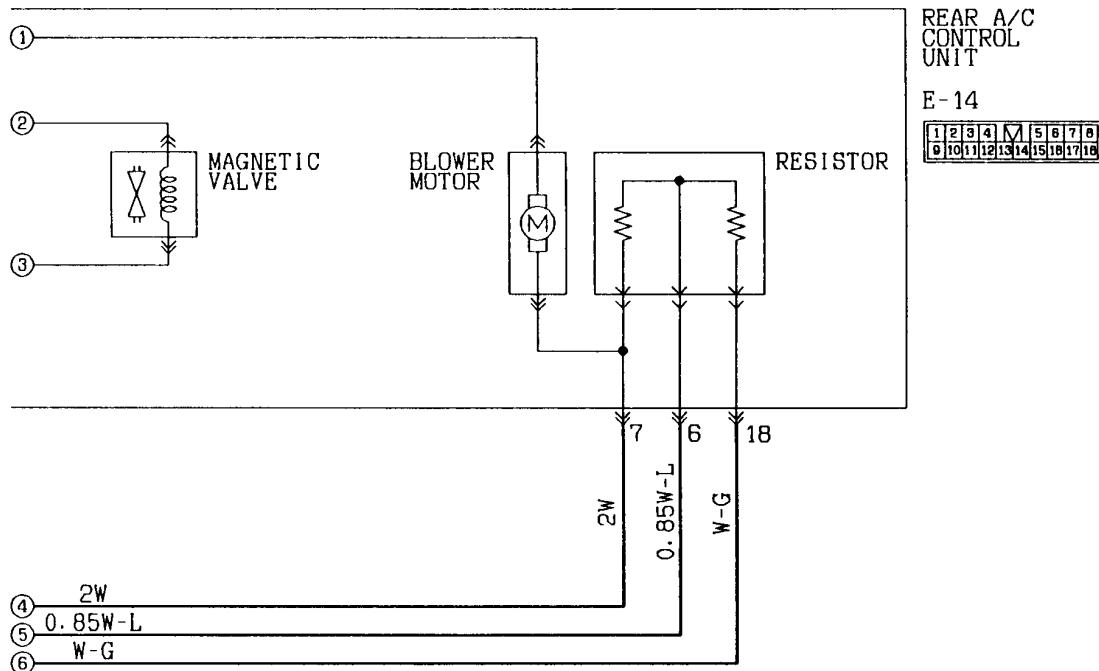






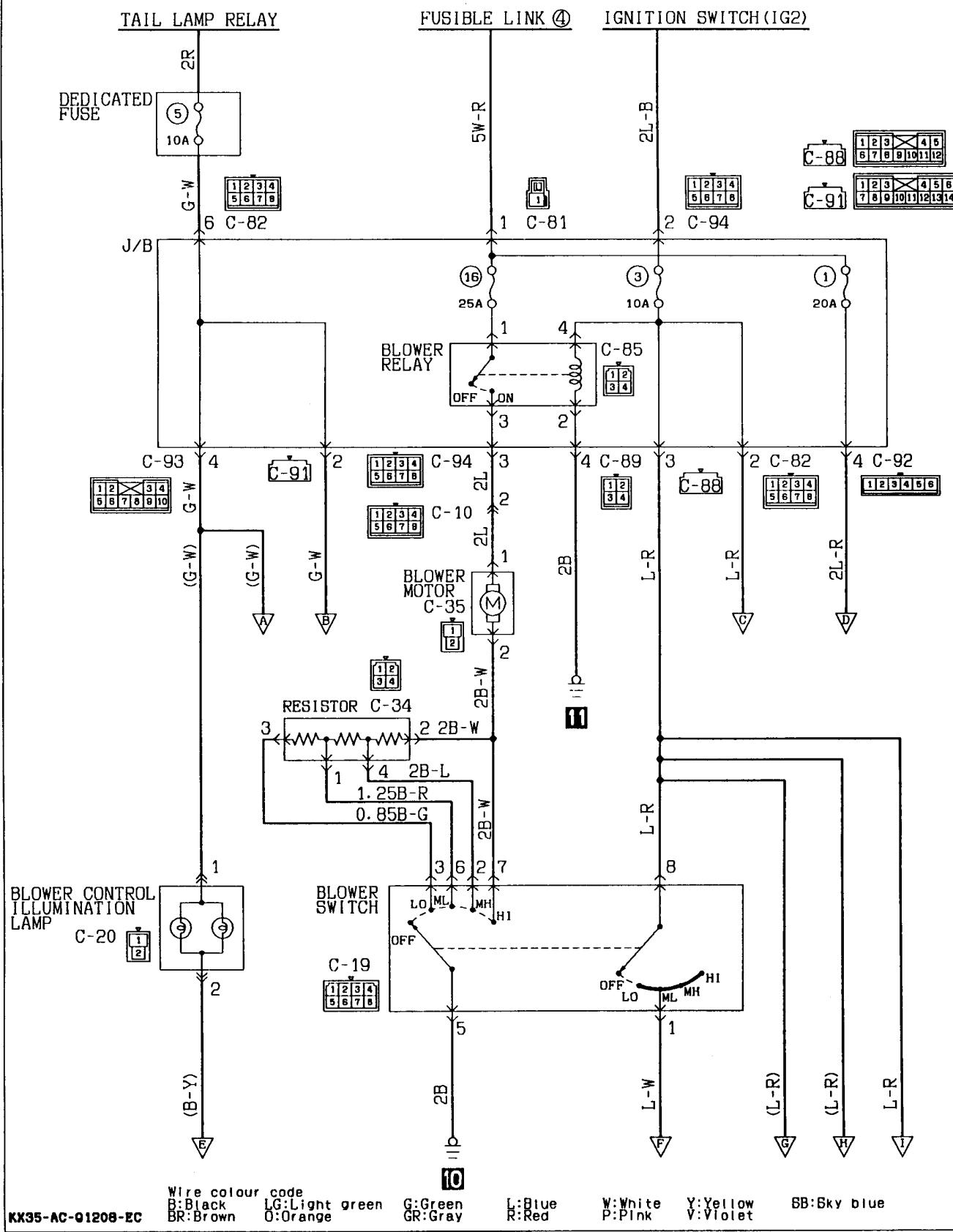
Wire colour code
B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray R:Red
L:Blue W:White Y:Yellow
P:Pink V:Violet SB:Sky blue





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

25-4 Diesel-powered vehicles without rear heater



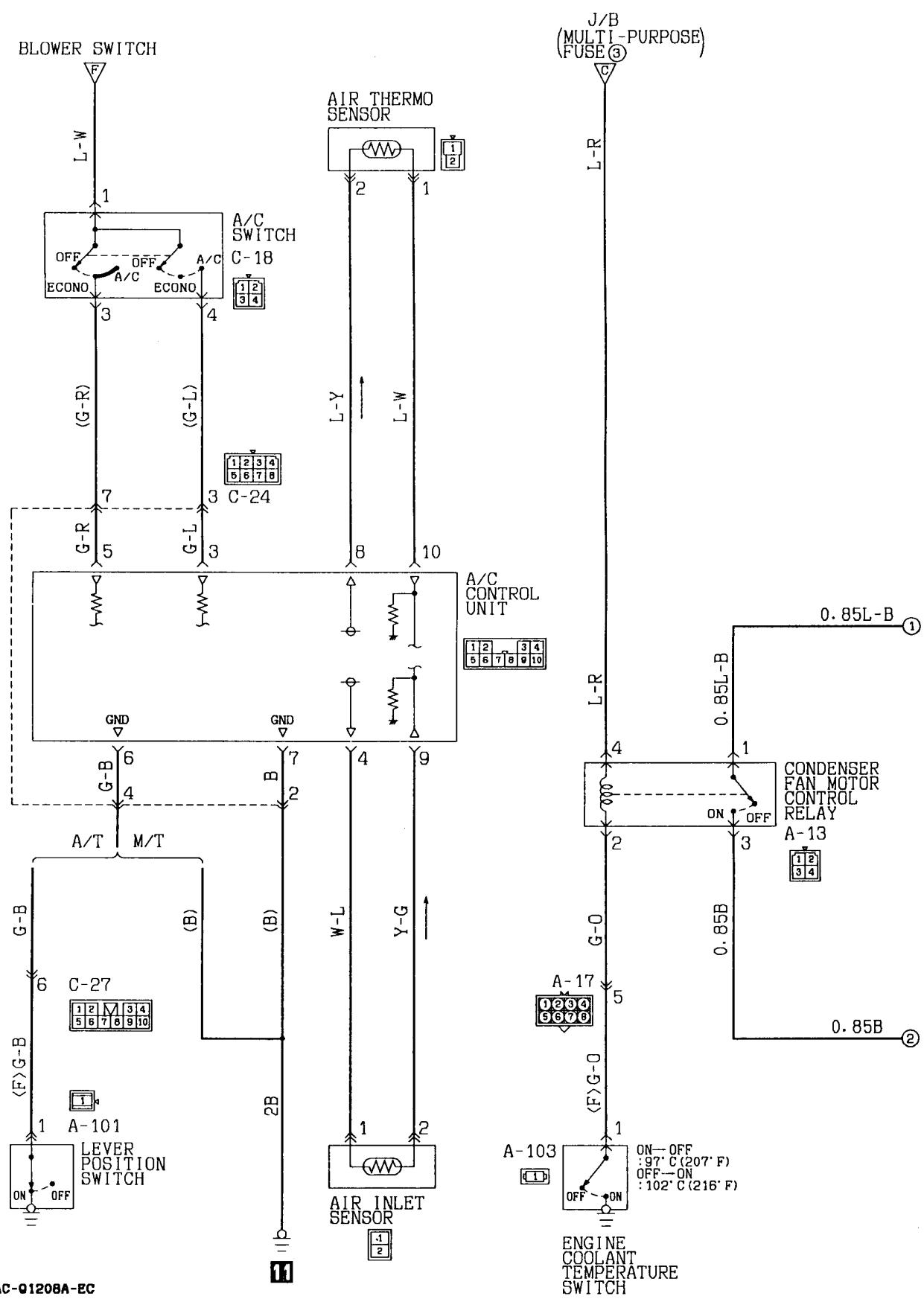
Wire colour code

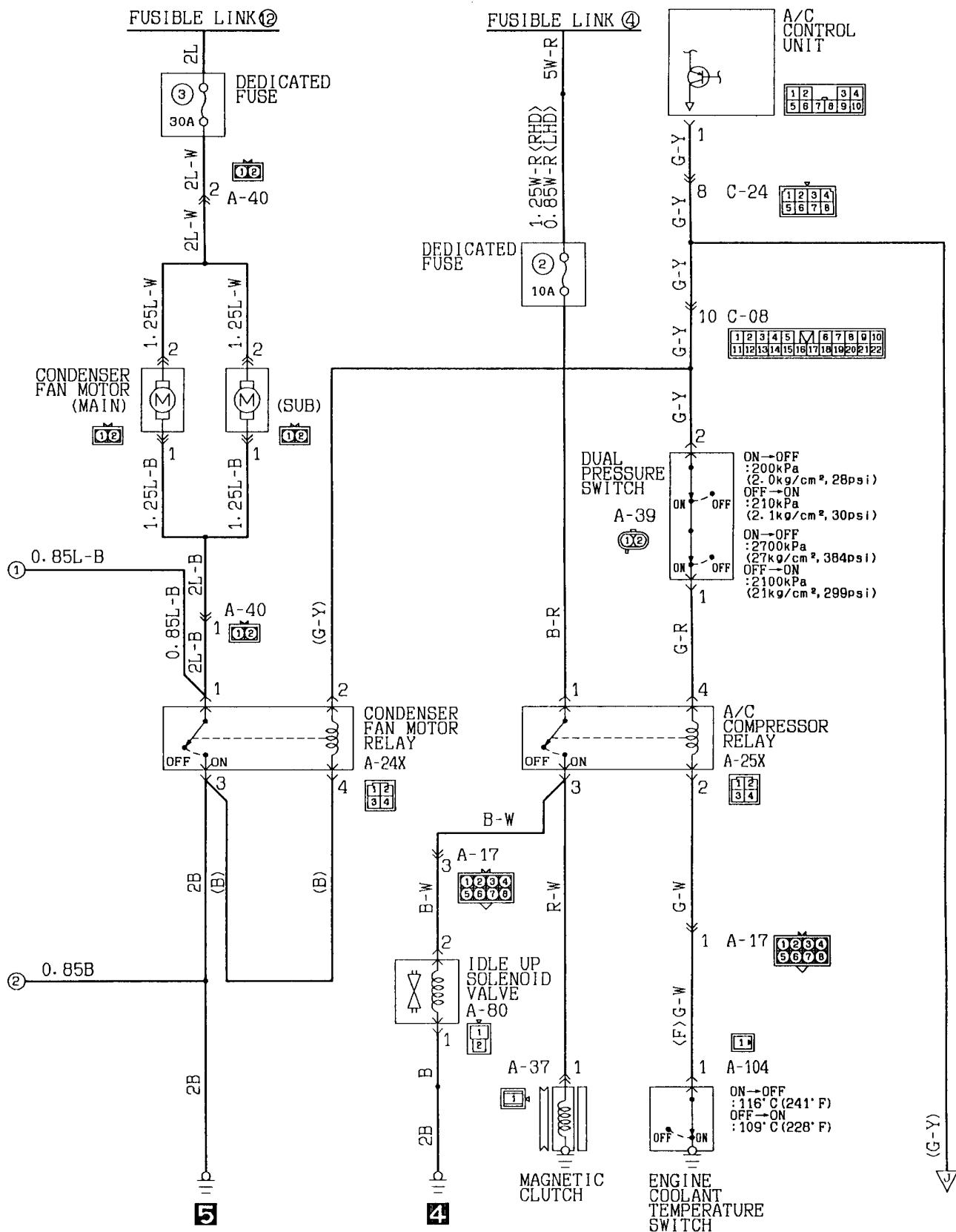
Wire colour code
B:Black LG:Light green G:Green
BR:Brown O:Orange GR:Gray

L:Blue
R:Red

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

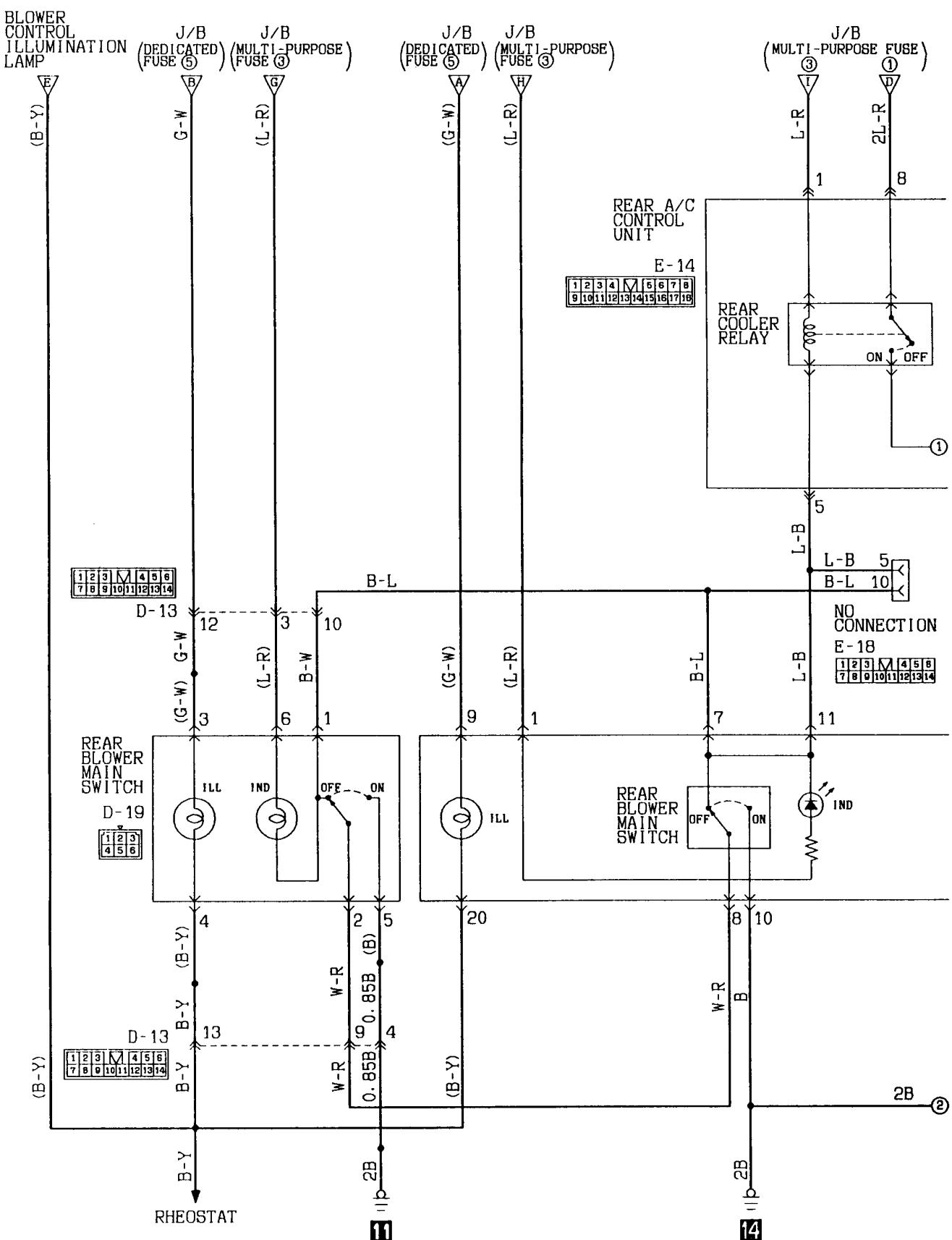
SB:Sky blue

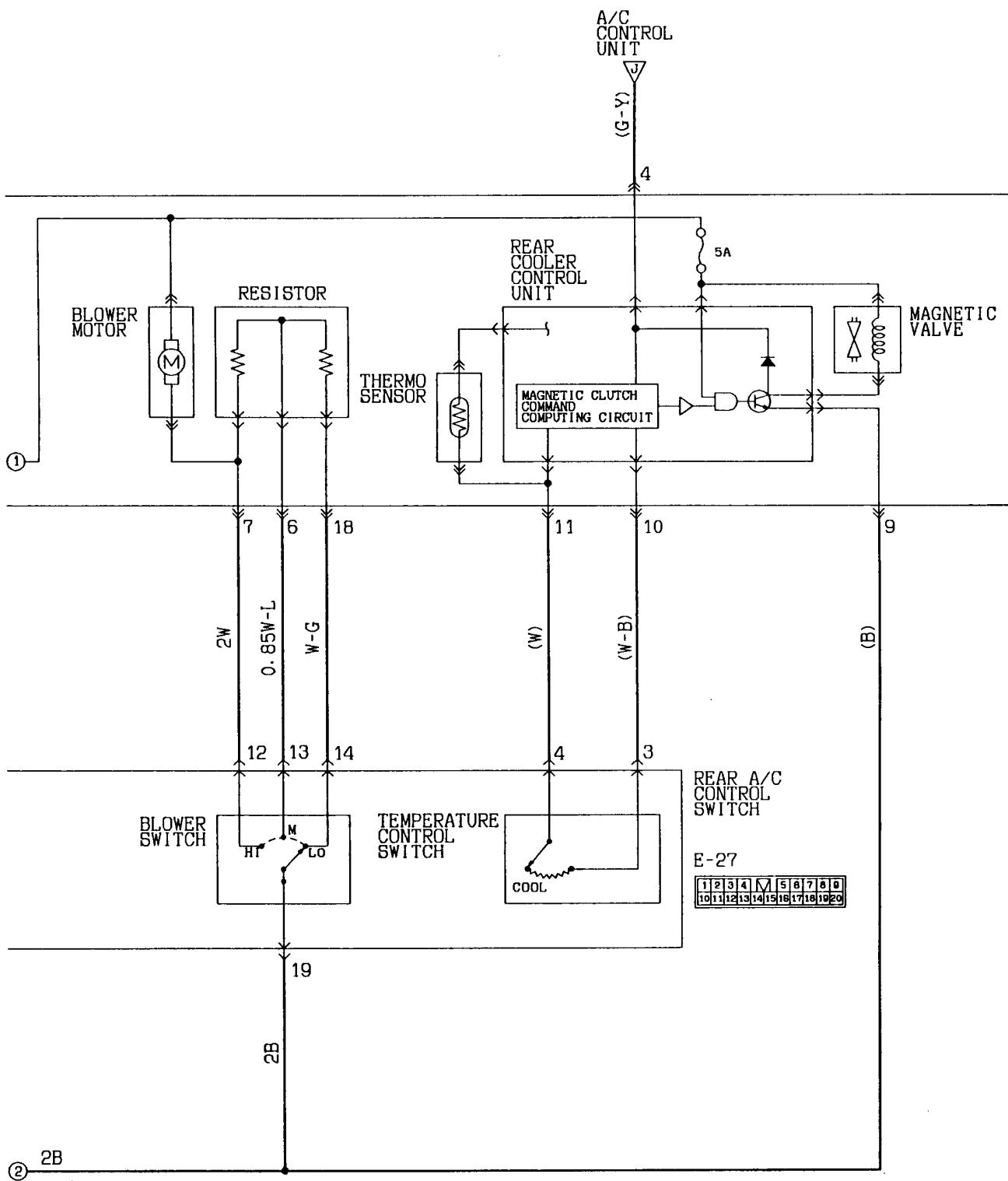




CIRCUIT DIAGRAM — Dual Air Conditioner

4-141





Wire colour code

B:Black
BR:BrownLG:Light green
O:Orange

G:Green

GR:Gray

L:Blue

R:Red

W:White

P:Pink

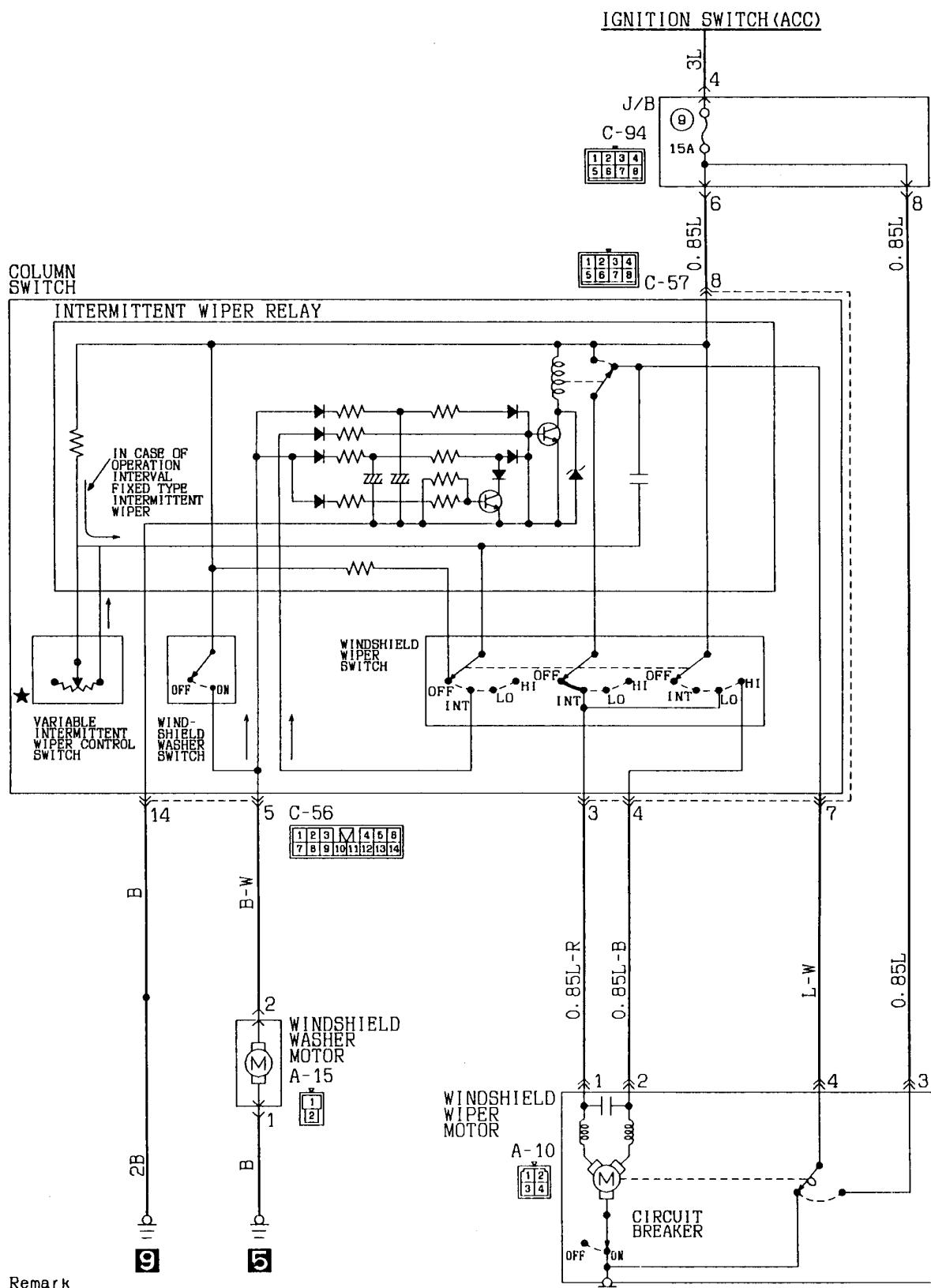
Y:Yellow

V:Violet

SB:Sky blue

NOTES

26 WINDSHIELD WIPER AND WASHER



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

WINDSHIELD WIPER AND WASHER (See P. 4-144.)

OPERATION

<Low-speed (and high-speed) wiper operation>

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

<Auto wiper stop operation>

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

<Intermittent wiper operation>

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

<Washer-Wiper operation>

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

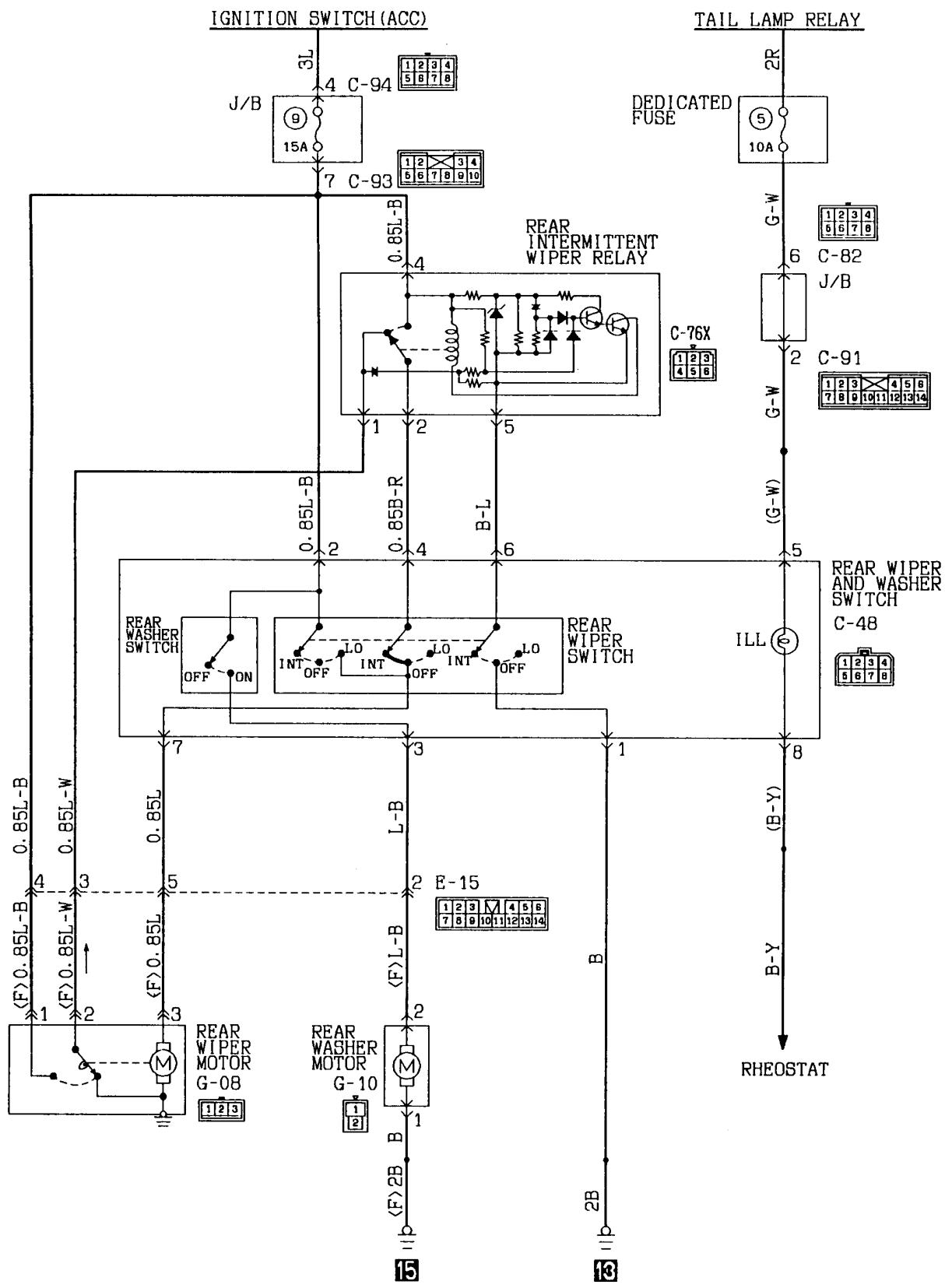
TROUBLESHOOTING HINTS

- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. ⑨.
 - Check earth.
- Low-speed (or high-speed) wiper operation only is inoperative.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized.

Terminal No.	Voltage	Check
3	0V	Intermittent wiper relay or wiper switch
	System voltage	Intermittent wiper relay
	0V ↔ System voltage (alternating)	— (Normal)

- The length of pause for intermittent operation cannot be varied.
 - Check variable intermittent wiper control switch.
 - Check intermittent wiper relay.
- Washer is inoperative.
 - Wiper is operative on washer-wiper operation.
 - Check washer motor.
 - Washer-wiper operation is inoperative also.
 - Check washer switch.
- Washer-wiper operation is inoperative.
 - Check intermittent wiper relay.

27 REAR WIPER AND WASHER



REAR WIPER AND WASHER (See P. 4-146.)

OPERATION

⟨Low-speed wiper operation⟩

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

⟨Auto wiper stop operation⟩

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

⟨Intermittent wiper operation⟩

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

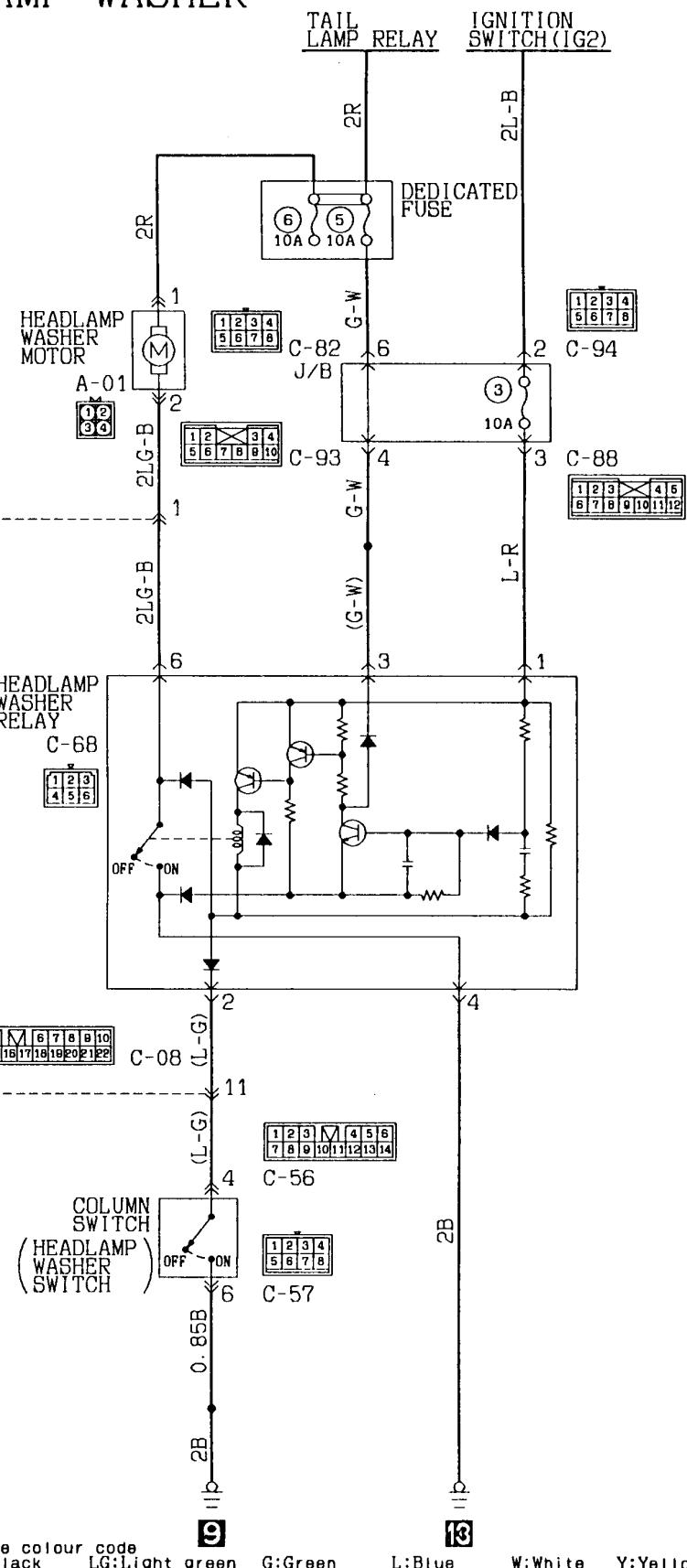
TROUBLESHOOTING HINTS

- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. ⑨.
 - Check earth.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of the intermittent wiper relay energized.

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

- Washer is inoperative.
 - Check washer motor.
 - Check washer switch.

28 HEADLAMP WASHER



Wire colour code

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

G:Green
GR:Gray

L:Blue
R:Red

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

SB:Sky blue

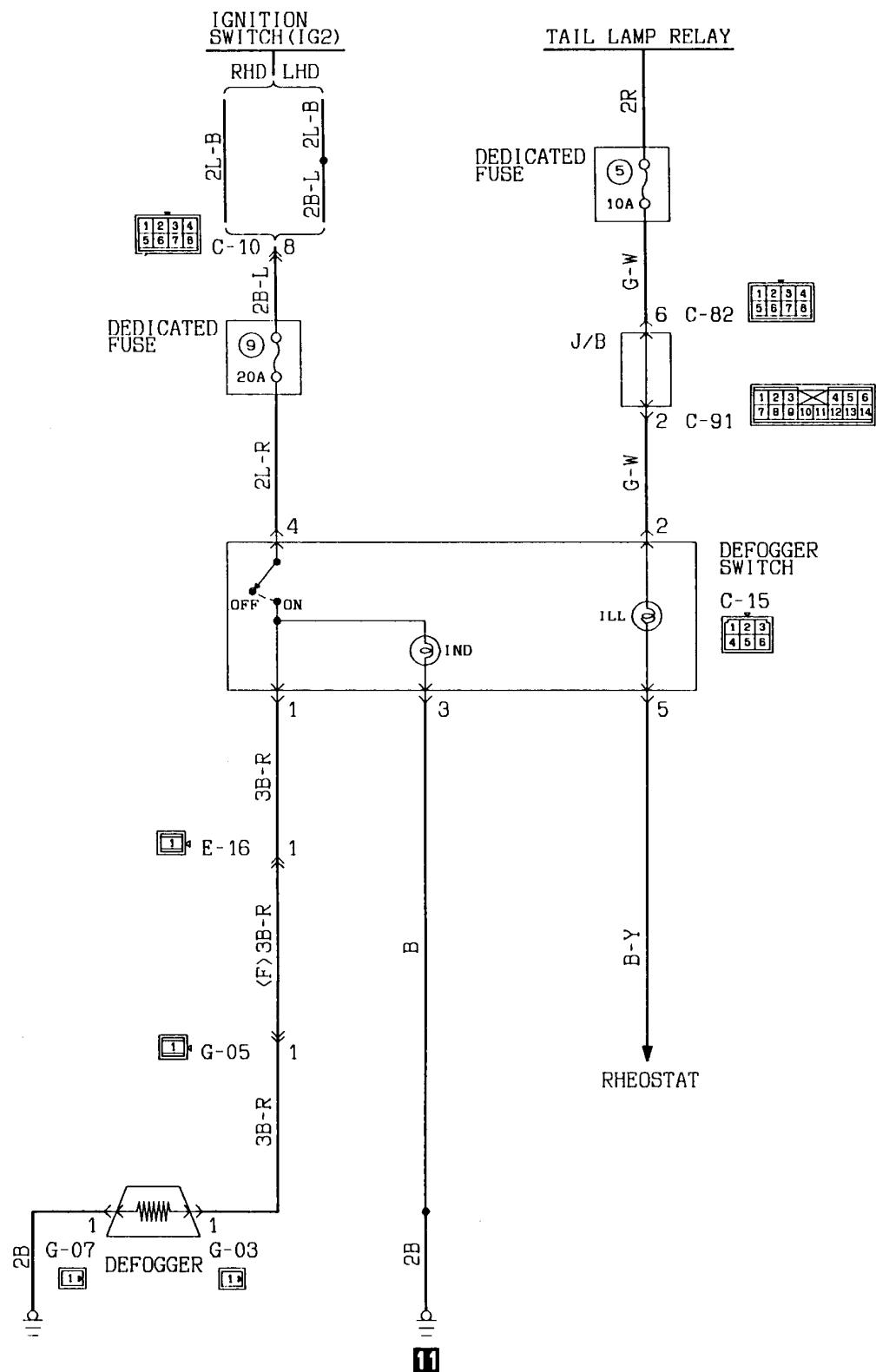
HEADLAMP WASHER (See P. 4-148.)**OPERATION**

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

TROUBLESHOOTING HINTS

1. Headlamp washer motor does not start.
 - 1) Blower motor does not start, either.
 - Check multi-purpose fuse No. ③.
 - 2) Blower motor does start.
 - Check headlamp washer motor.
 - Check headlamp washer relay.
 - Check headlamp washer switch.

29 DEFOGGER



Wire colour code

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

BR:Brown

G:Green
GR:Gray

L:Blue
R:Red

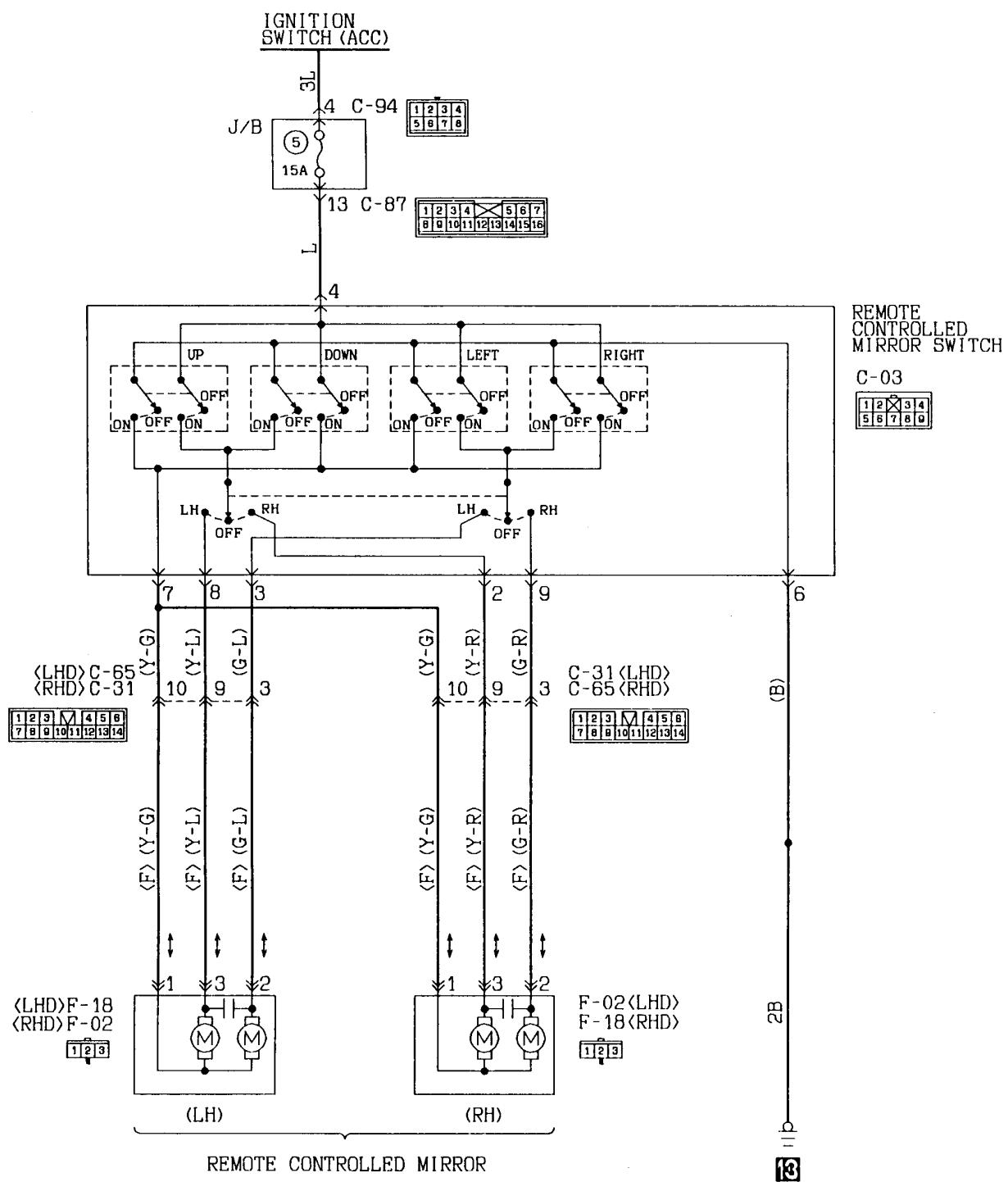
R:Red

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

P:Pink

SB:Sky blue

30 REMOTE CONTROLLED MIRROR



REMOTE CONTROLLED MIRROR (See P. 4-151.)**OPERATION**

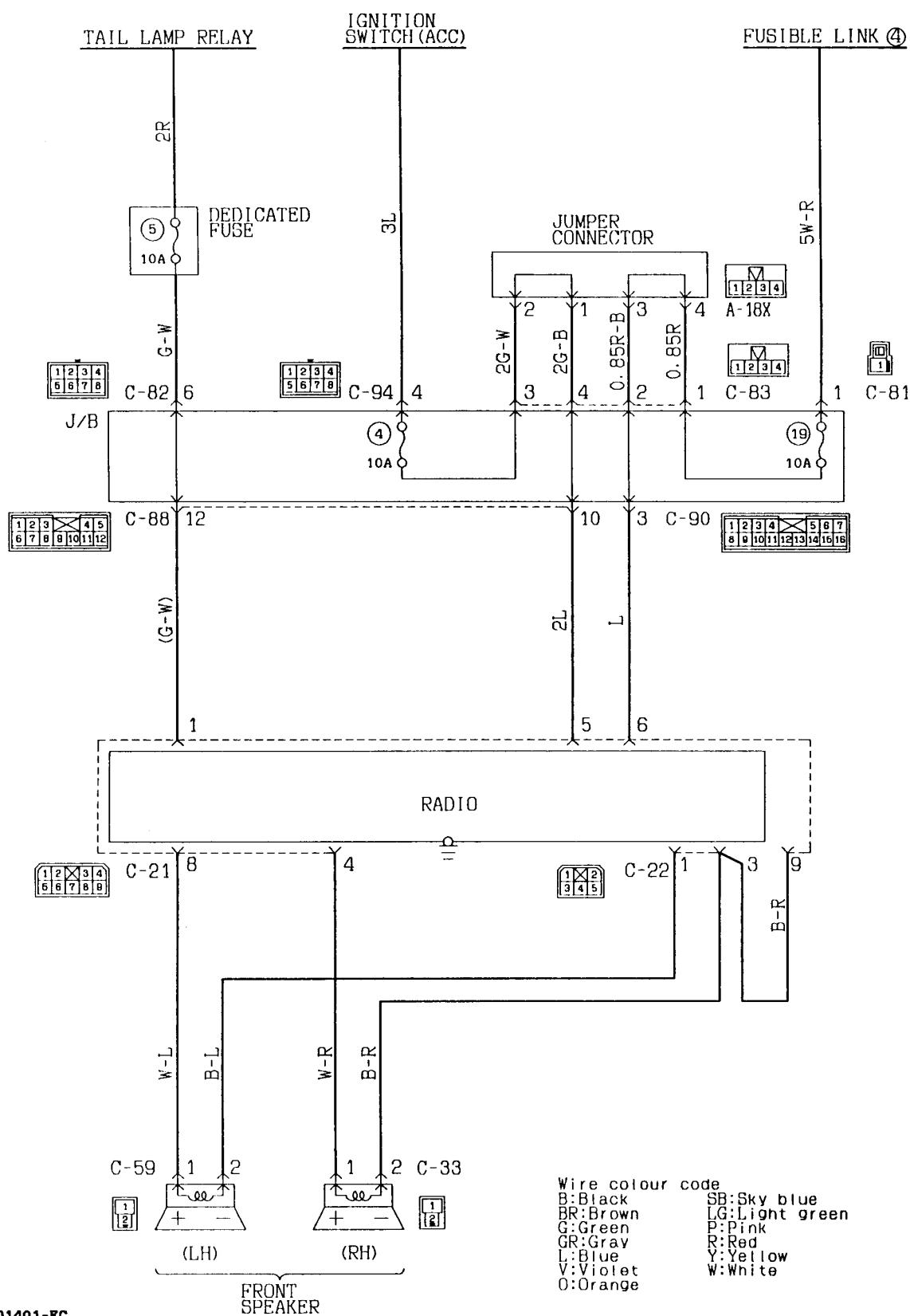
- When the remote controlled mirror switch is operated with the ignition switch in ACC or ON position, the motor is started allowing the driver to adjust the orientation of the mirror surface.

TROUBLESHOOTING HINTS

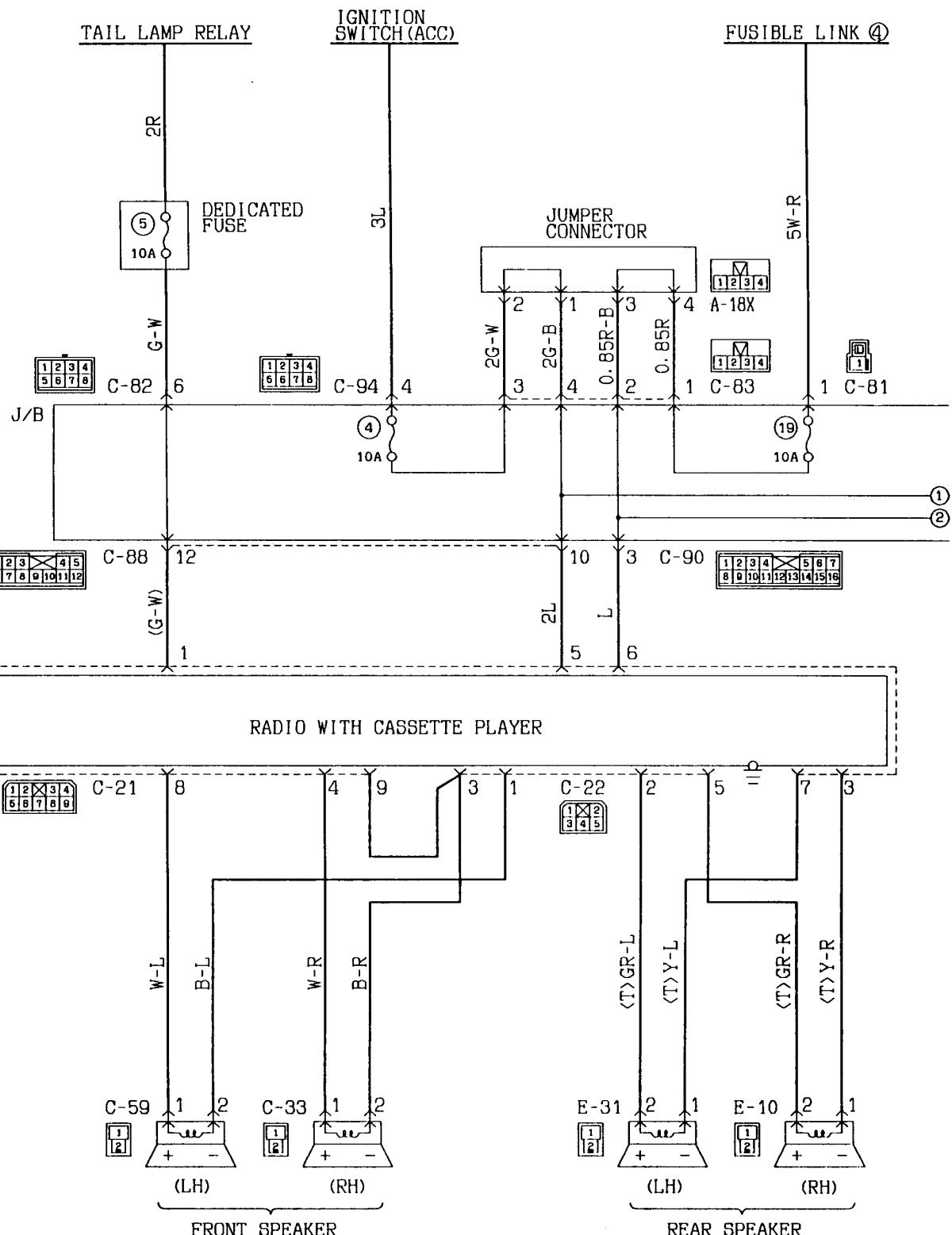
- LH and RH mirrors do not move.
 - Cigarette lighter is also inoperative.
 - Check multi-purpose fuse No. ⑤.
 - Cigarette lighter is operative.
 - Check remote controlled mirror switch.

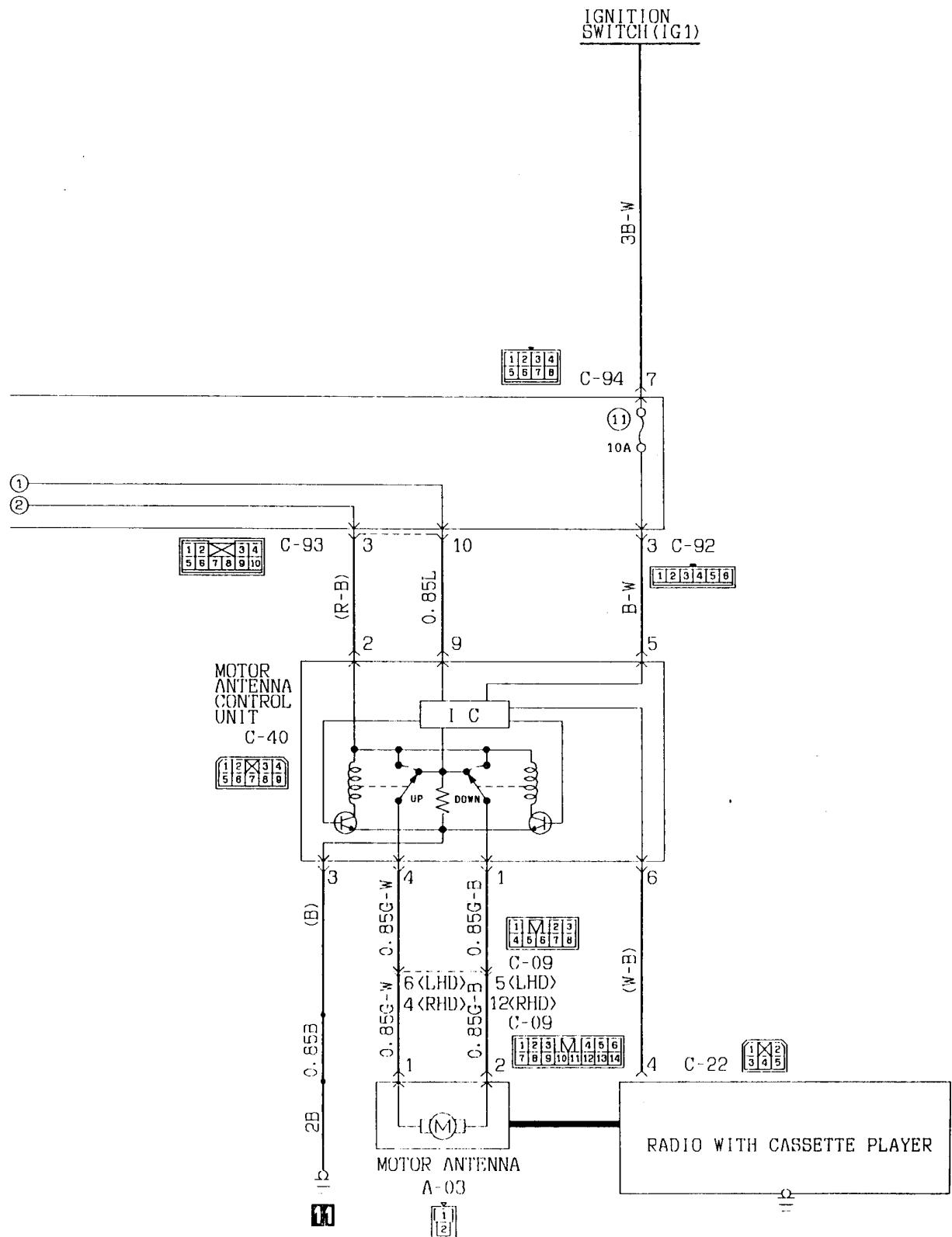
31 AUDIO

31-1 AM/FM radio without cassette player

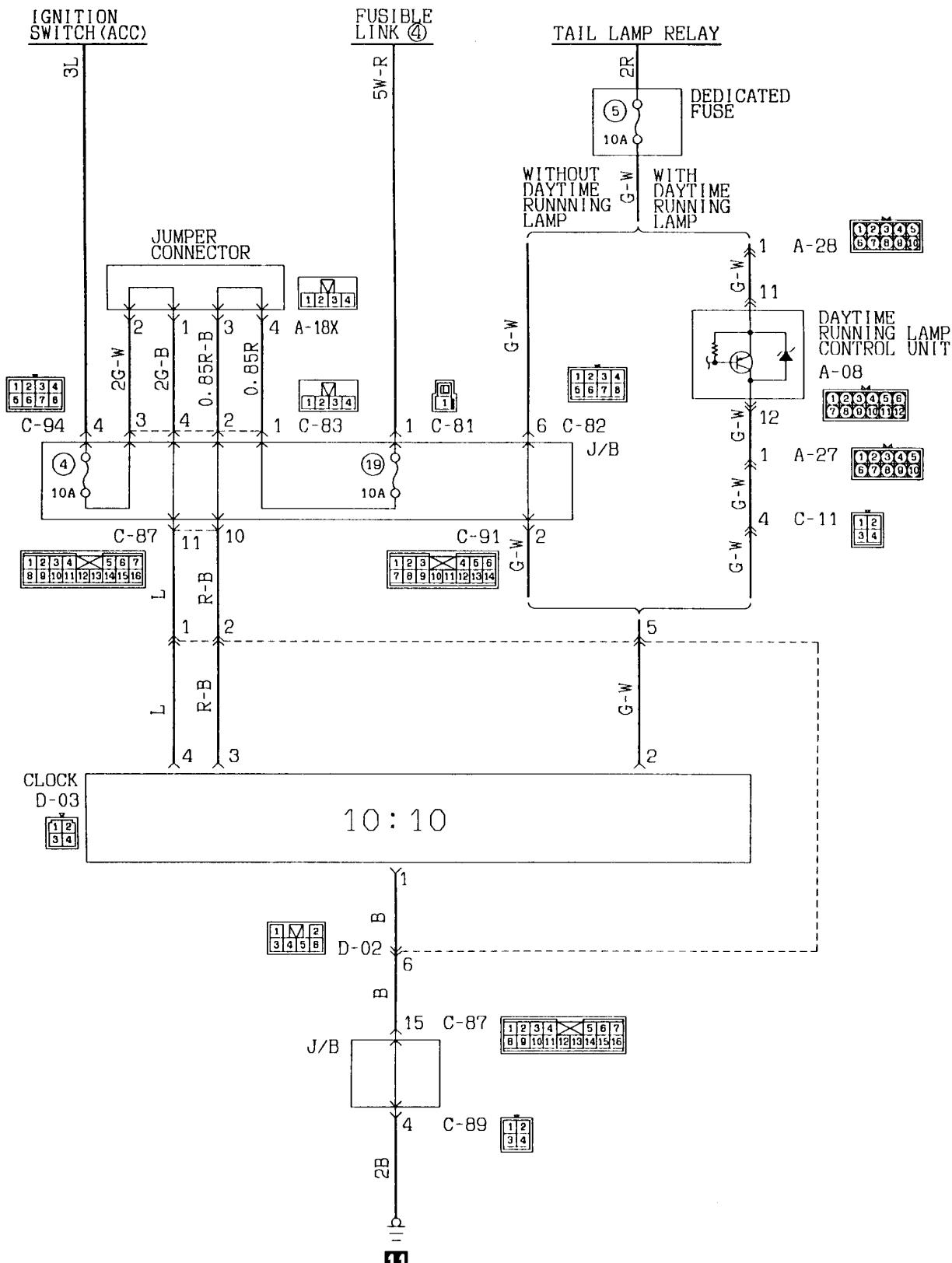


31-2 AM/FM, LW/MW/FM radio with cassette player

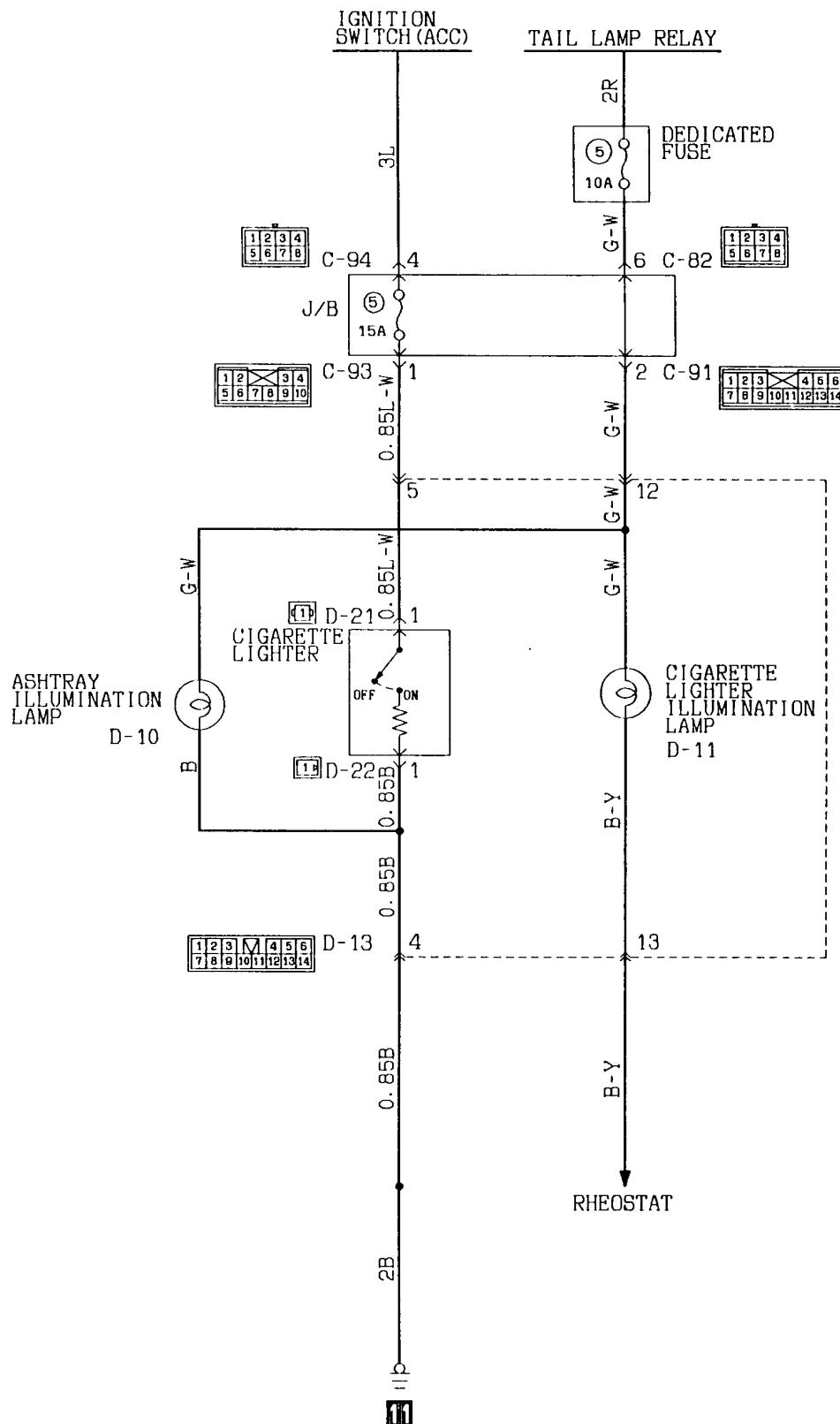




32 CLOCK



33 CIGARETTE LIGHTER



Wire colour code

B:Black LG:Light green G:Green

BR:Brown O:Orange GR:Gray

L:Blue

R:Red

W:White

P:Pink

Y:Yellow

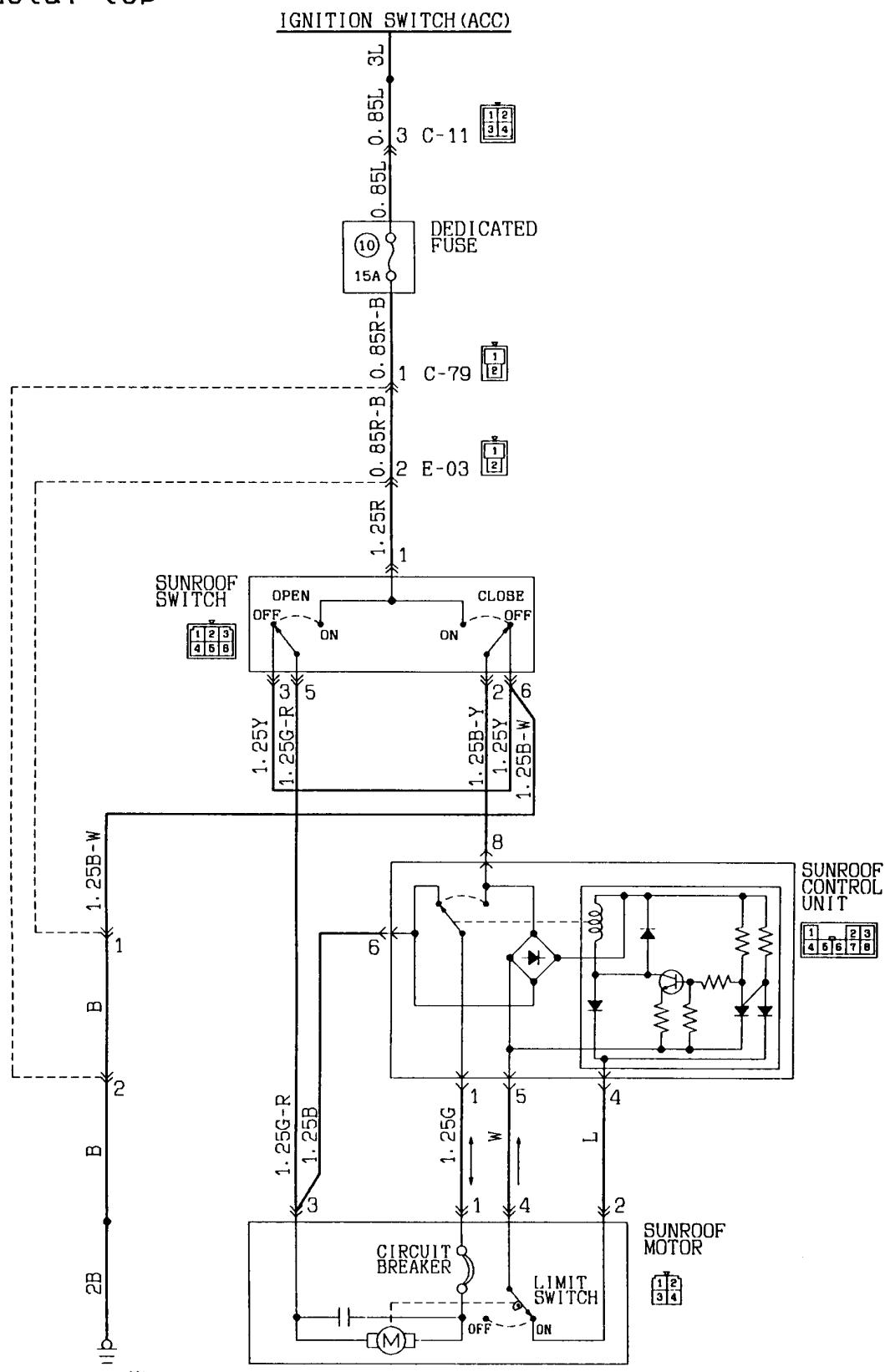
V:Violet

SB:Sky blue

KX35-AC-Q1404-EC

34 SUNROOF

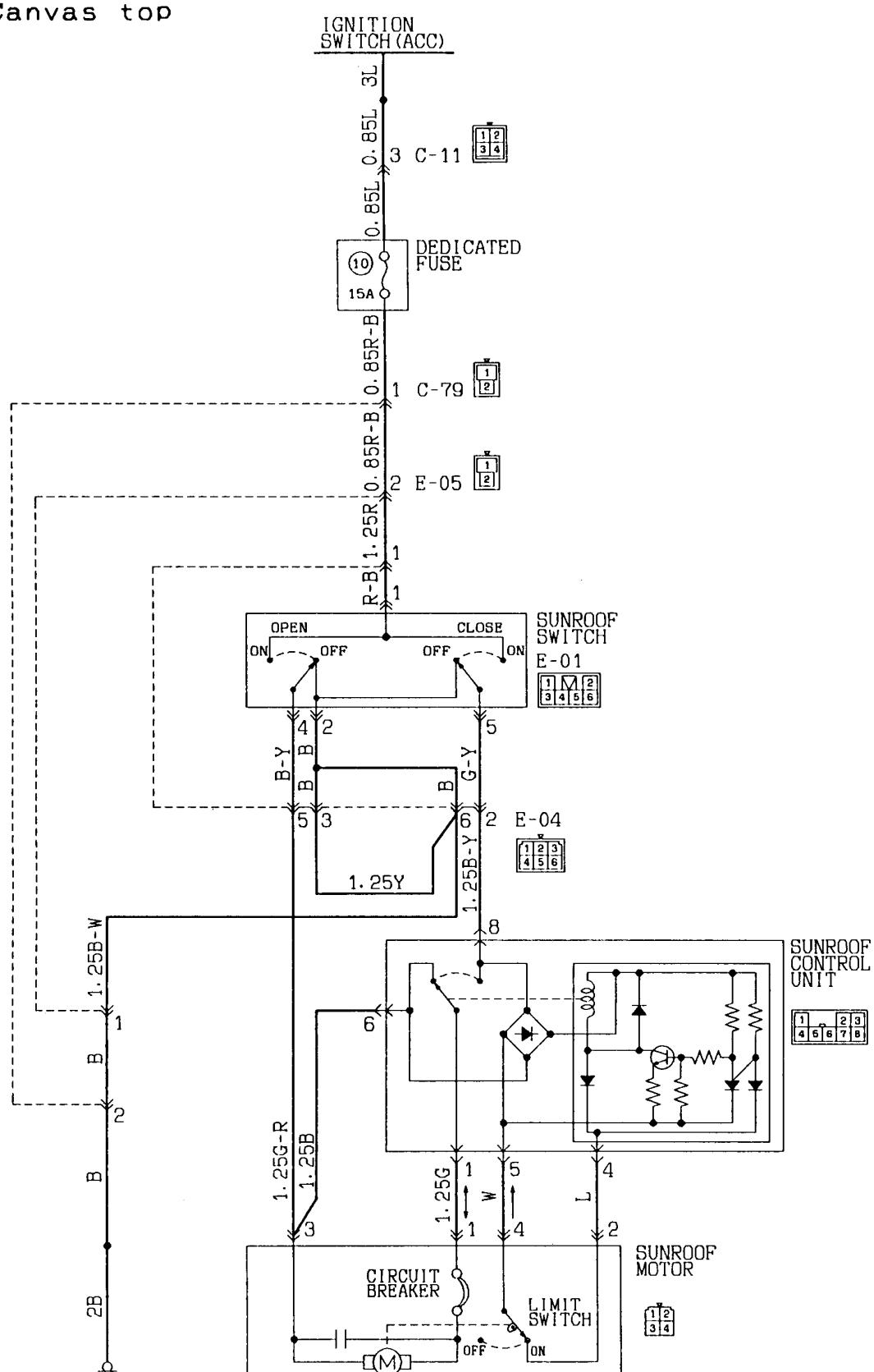
34-1 Metal top



KX35-AC-Q1405-EC

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

34-2 Canvas top

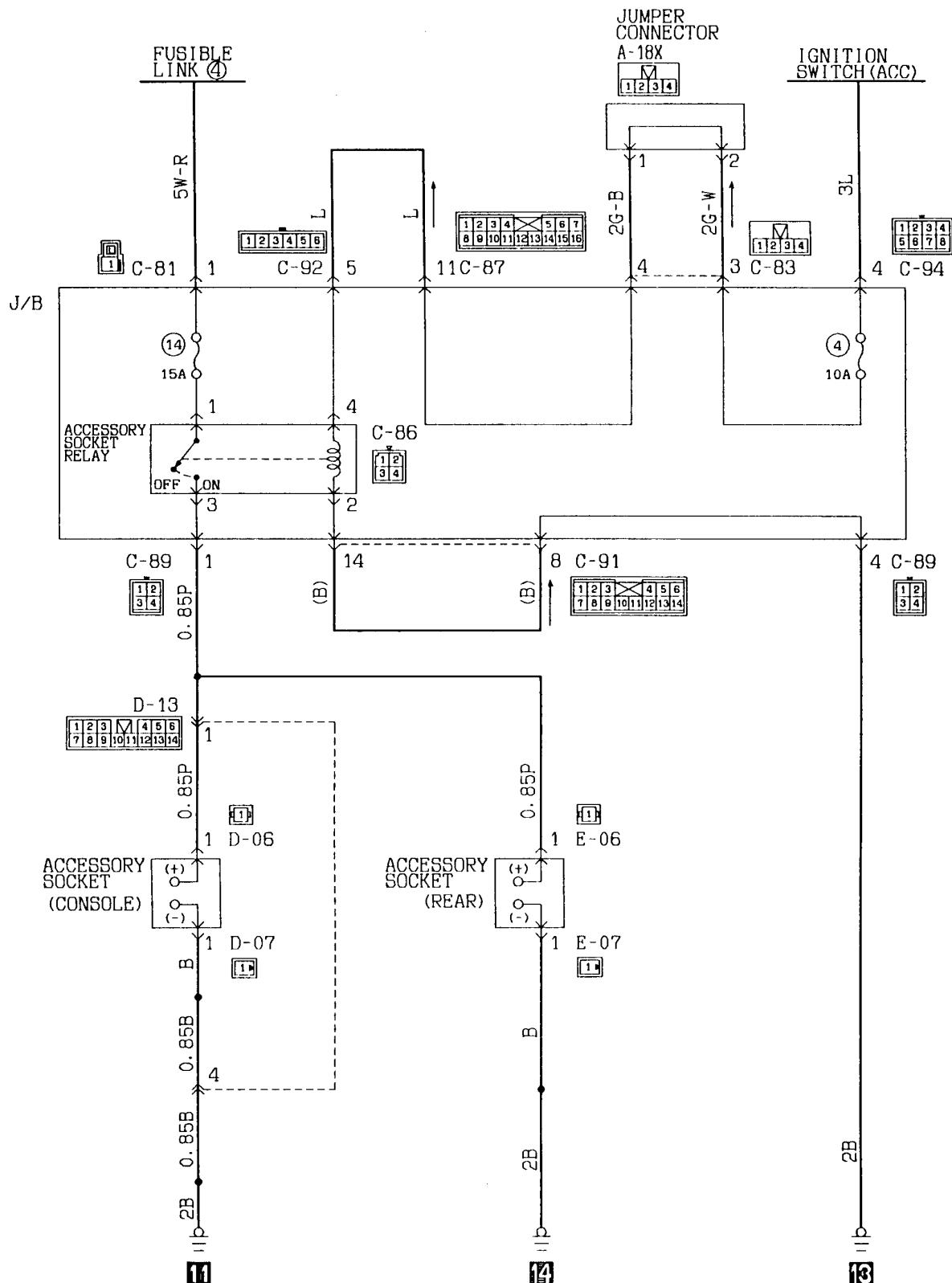


11

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

KX35-AC-Q1406-EC

35 ACCESSORY SOCKET



Wire colour code

B:Black

BR:Brown

LG:Light green

O:Orange

G:Green

GR:Gray

L:Blue

R:Red

W:White

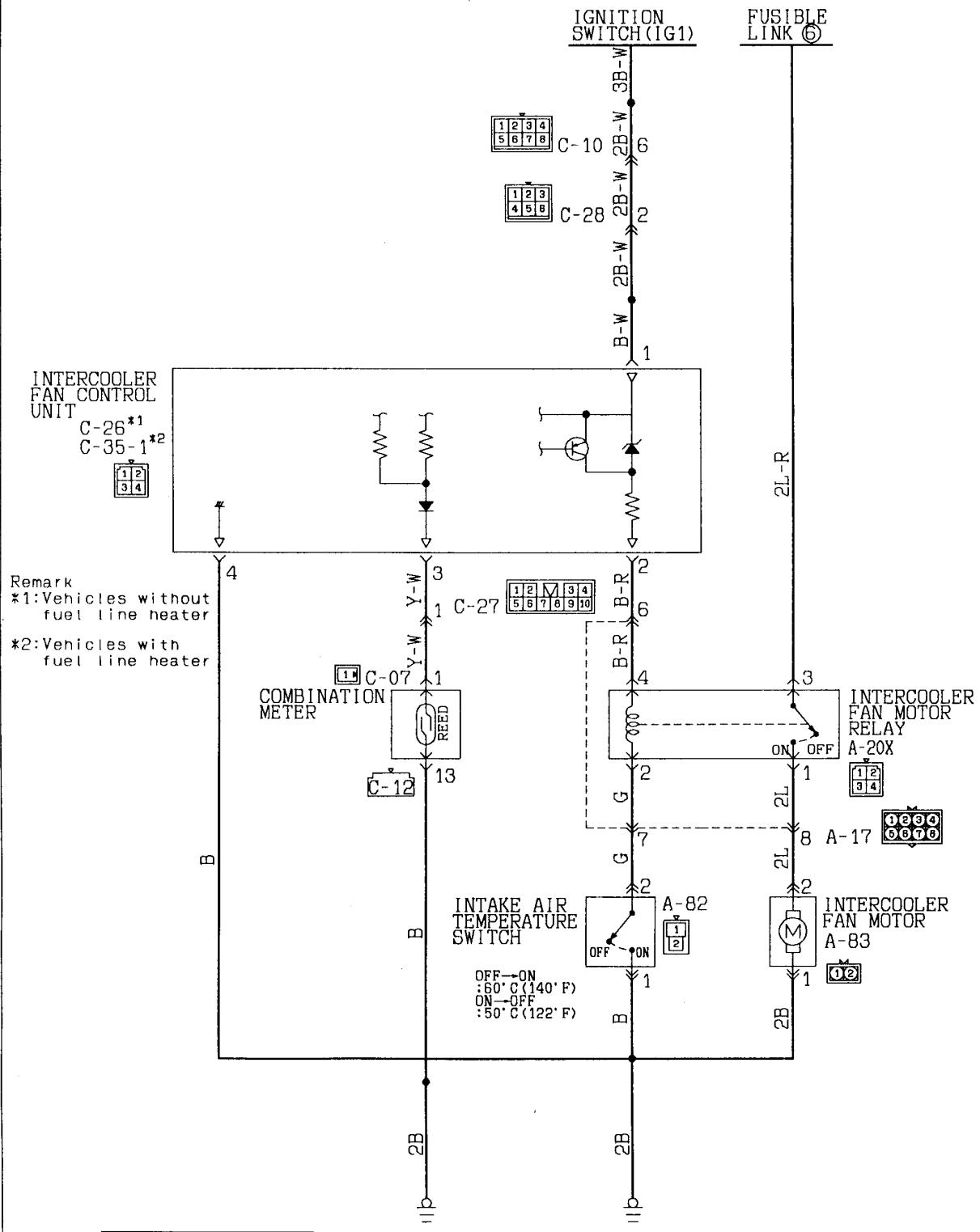
P:Pink

Y:Yellow

V:Violet

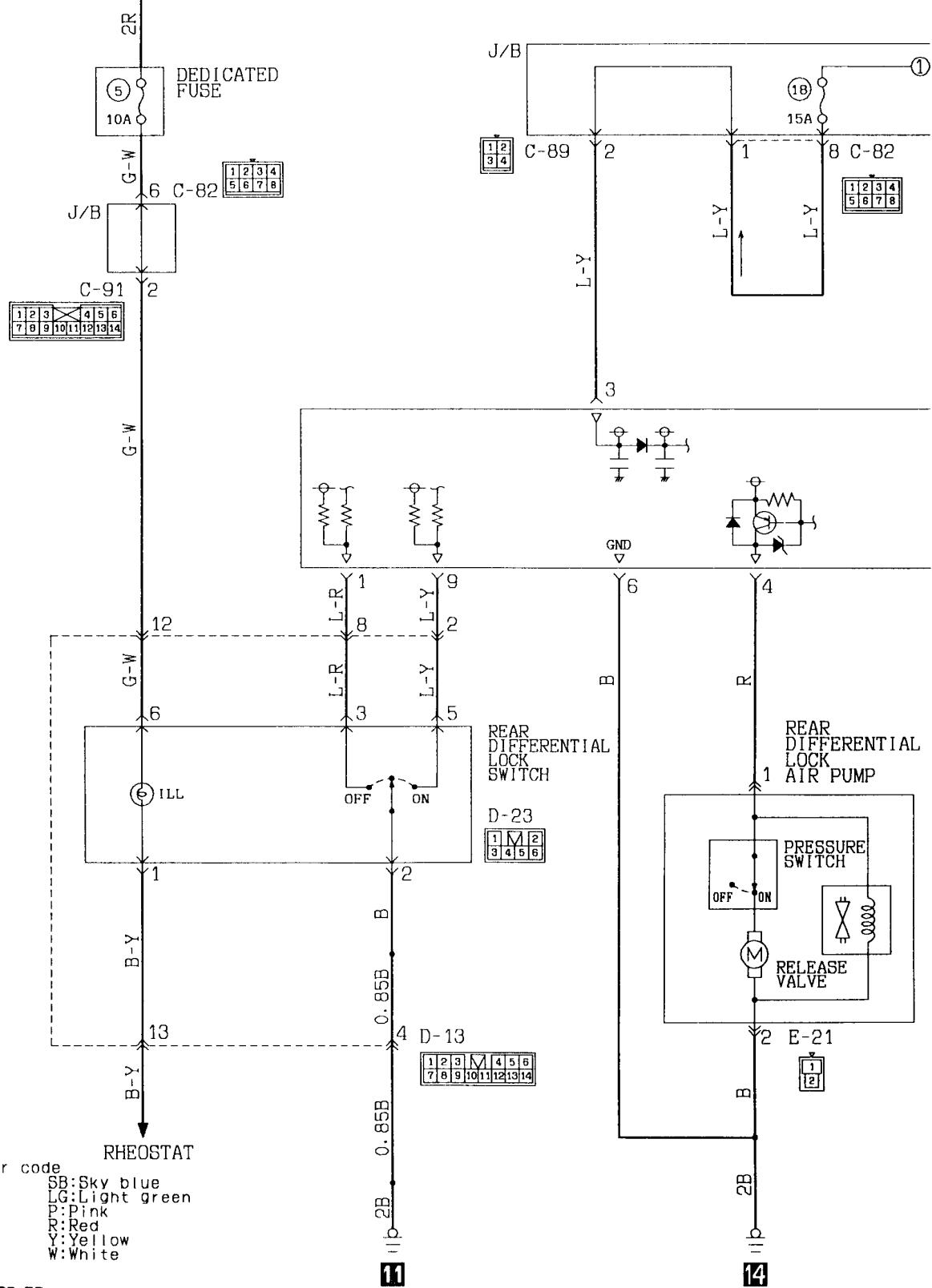
SB:Sky blue

36 INTERCOOLER FAN



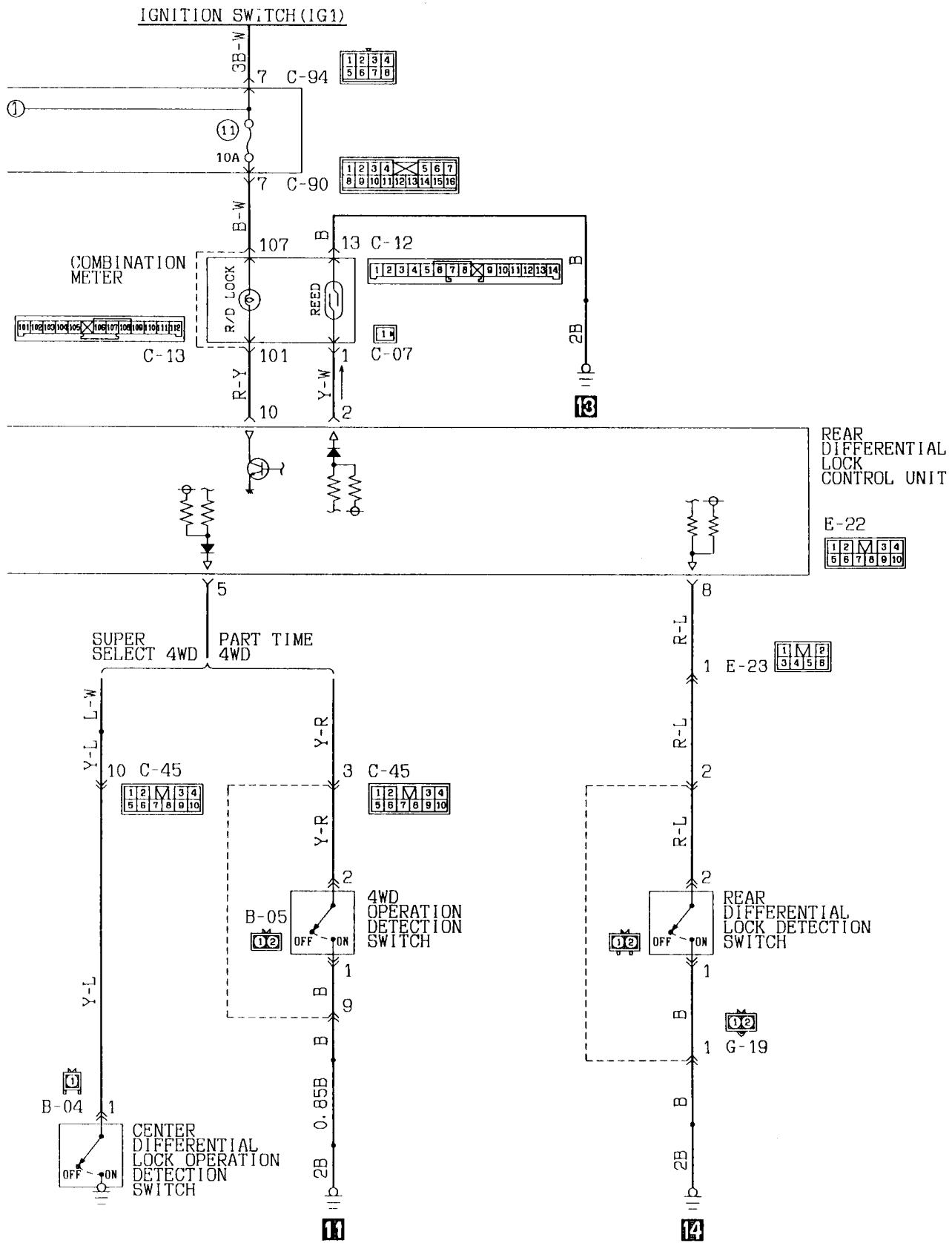
37 REAR DIFFERENTIAL LOCK SYSTEM

<Vehicles built from March 1991>

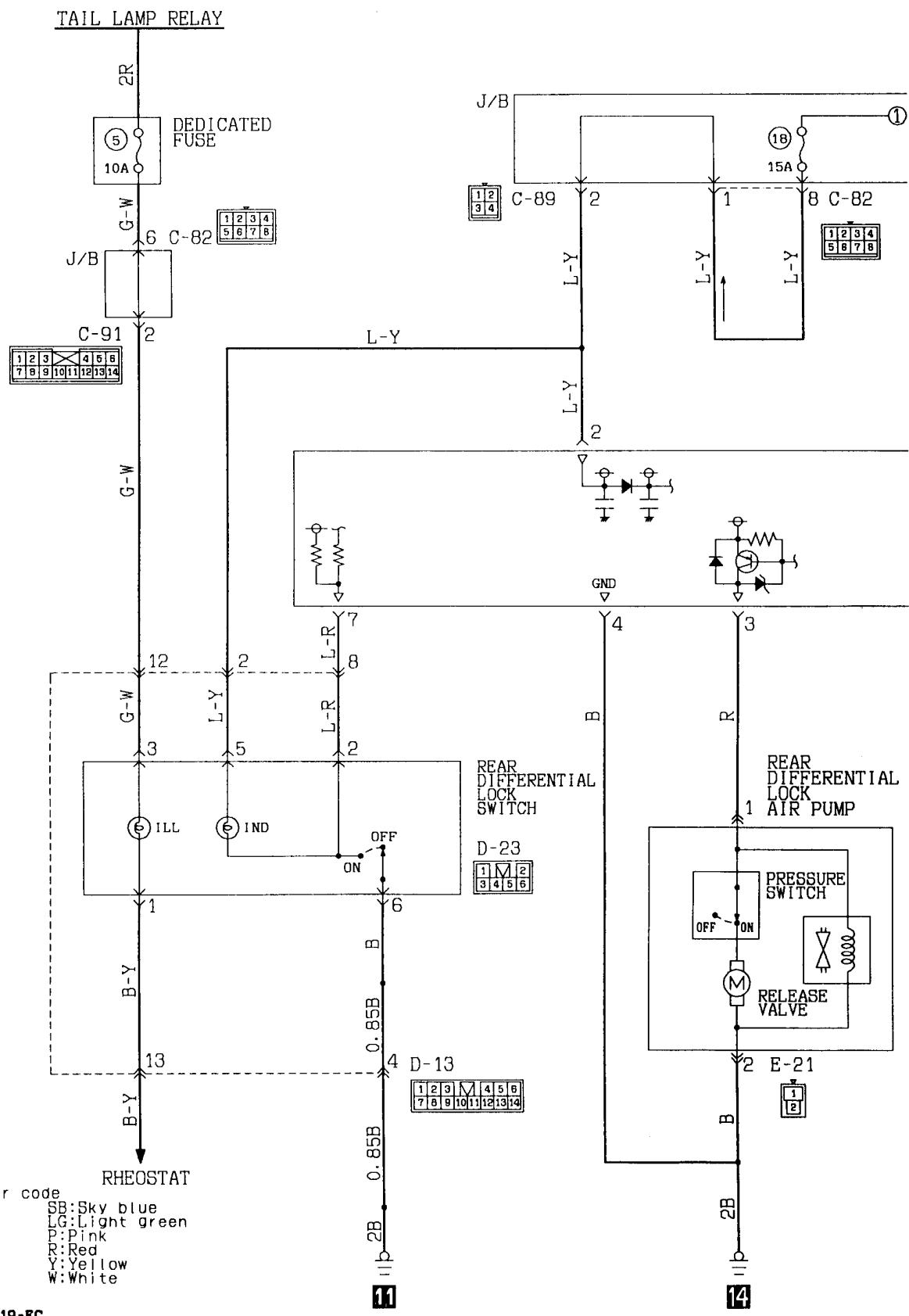
TAIL LAMP RELAY

CIRCUIT DIAGRAM — Rear Differential Lock System

4-163



(Vehicles built up to February 1991)



Wire colour code

B:Black

B:Brack
BR:Brown

G:Green
GR:Green

GR:Gray
L:Blue

L:Blue
V:Violet

▼:Violet
○:Orange

KX35-AC-B

SB:Sky blue

BD: Dark blue
LG: Light green

P:Pinl
BiBd

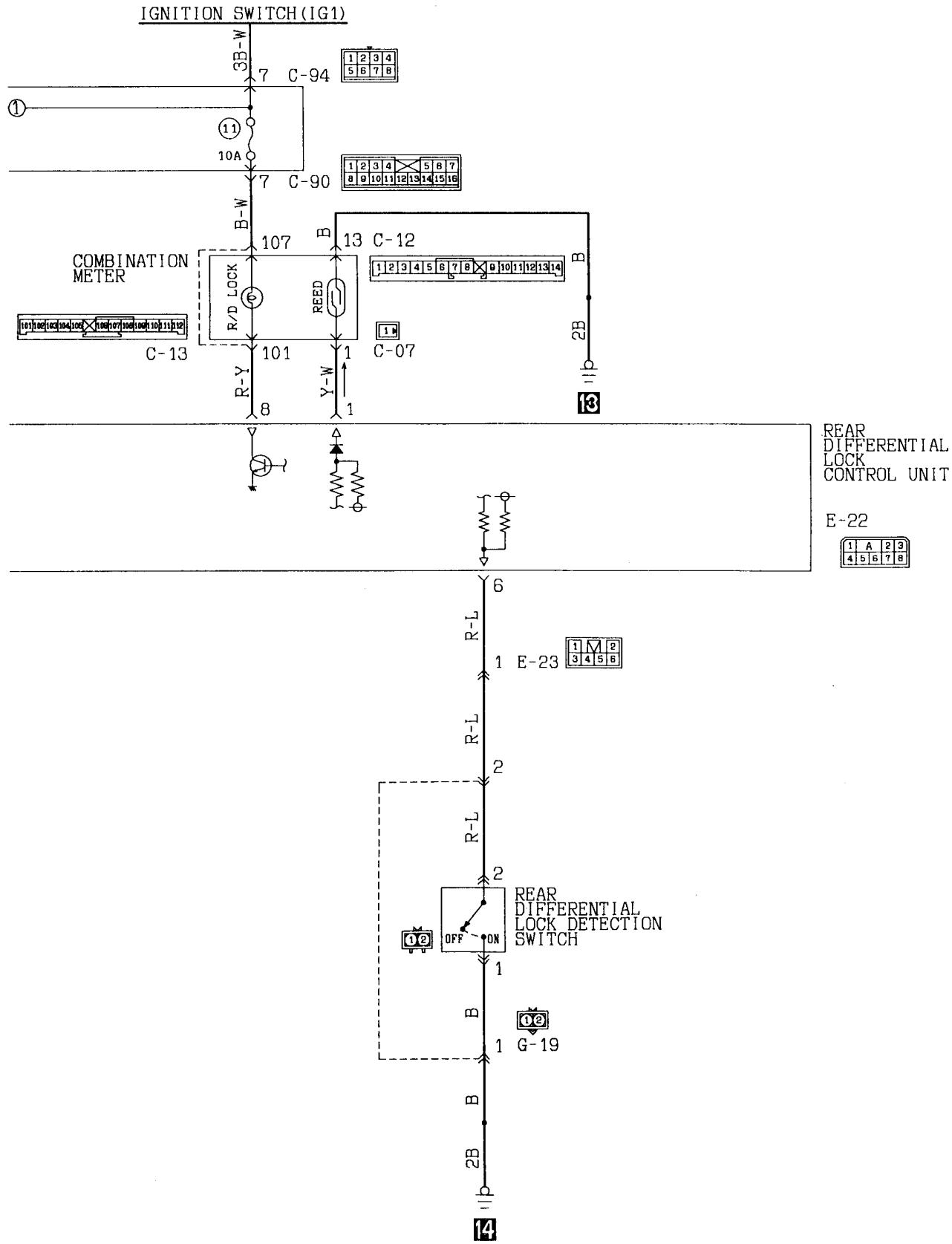
R: Red
Y: Yel

Y: Ye
W: Whi

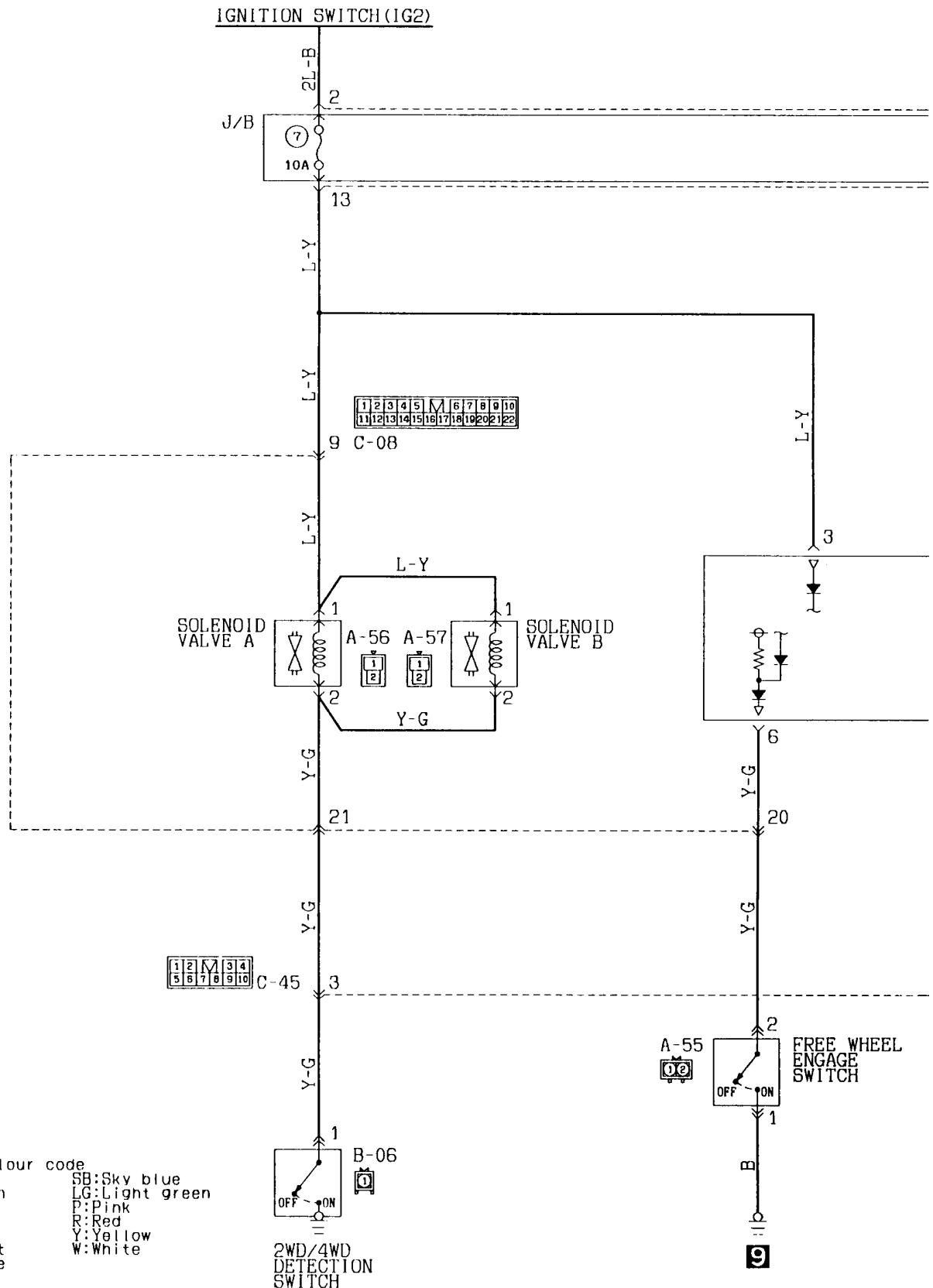
11

6

RX35-AC-01519-EC



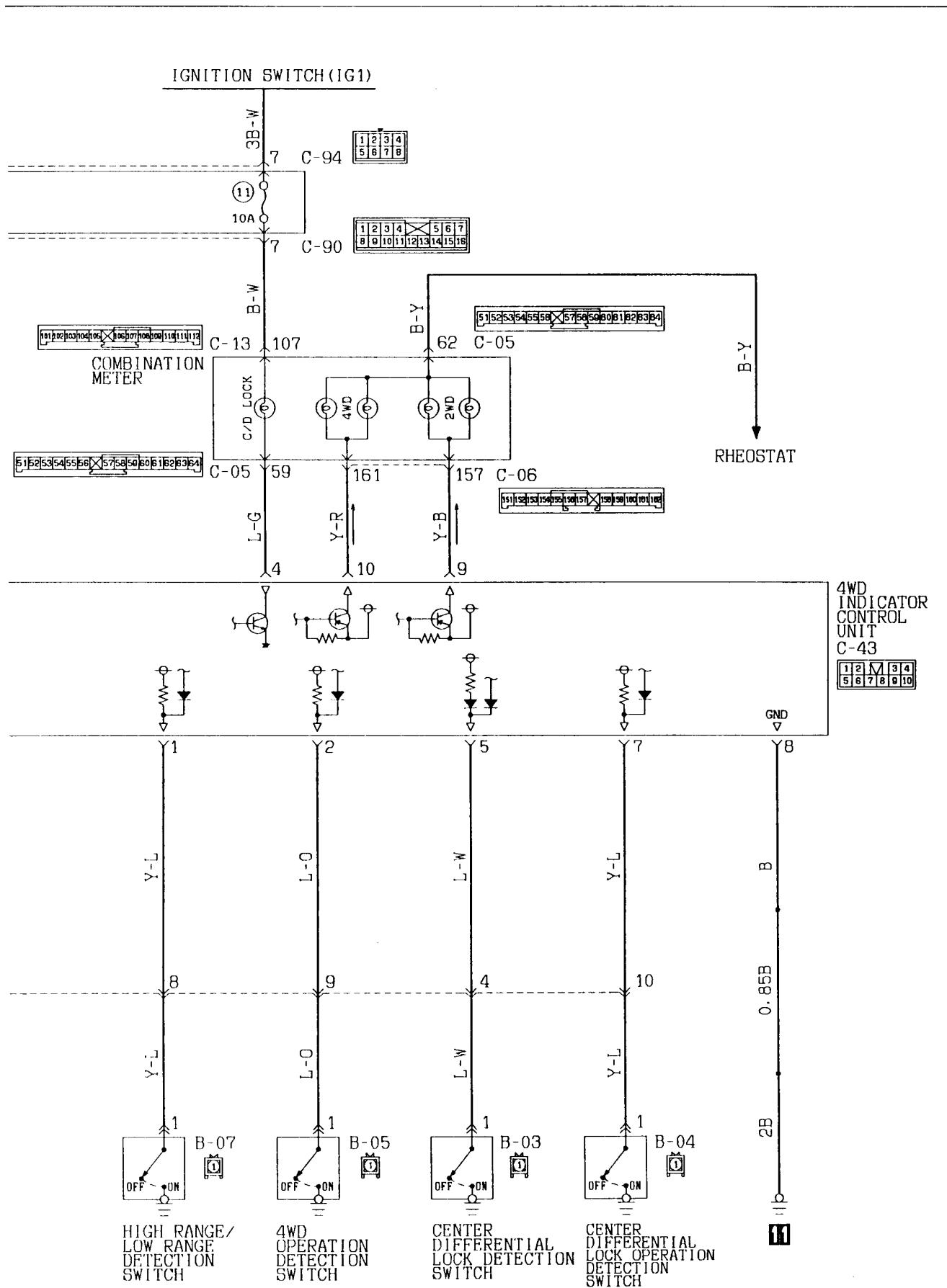
38 SUPER SELECT 4WD SYSTEM



Wire colour code

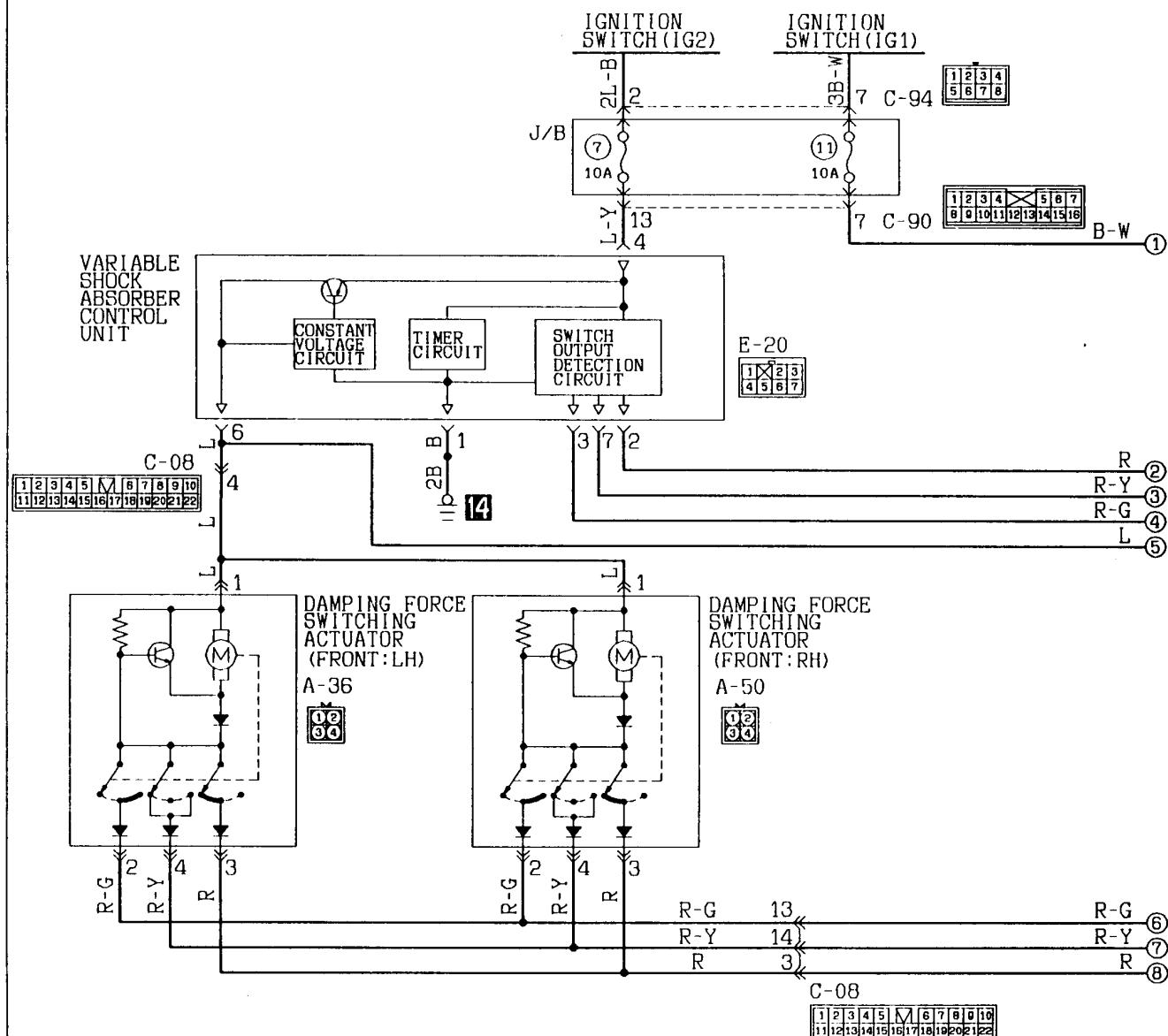
B:Black	SB:Sky blue
BR:Brown	LG:Light green
G:Green	P:Pink
GR:Gray	R:Red
L:Blue	Y:Yellow
V:Violet	W:White
O:Orange	

KX35-AC-01503-EC



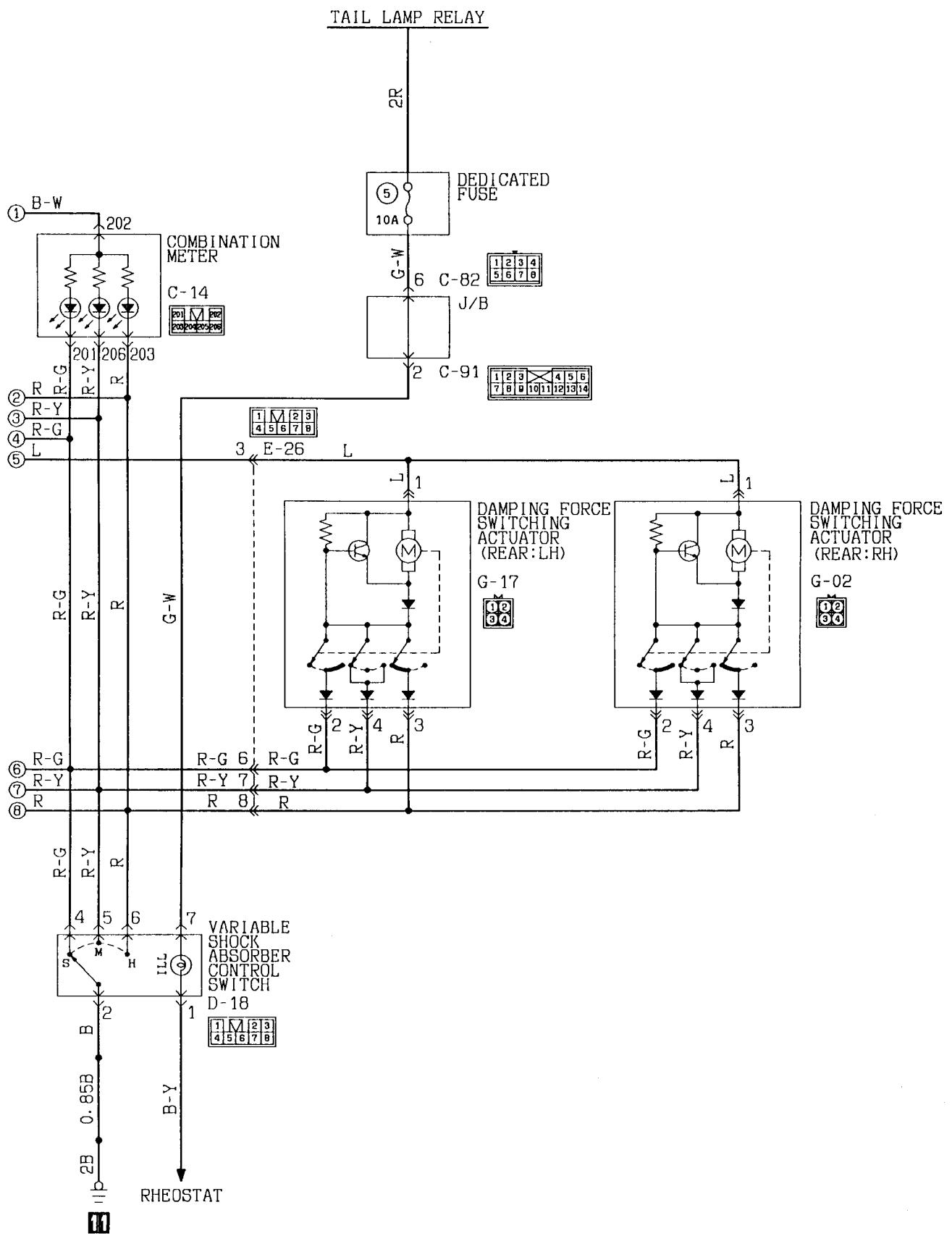
4-166 CIRCUIT DIAGRAM — Remote Controlled Variable Shock Absorber

39 REMOTE CONTROLLED VARIABLE SHOCK ABSORBER

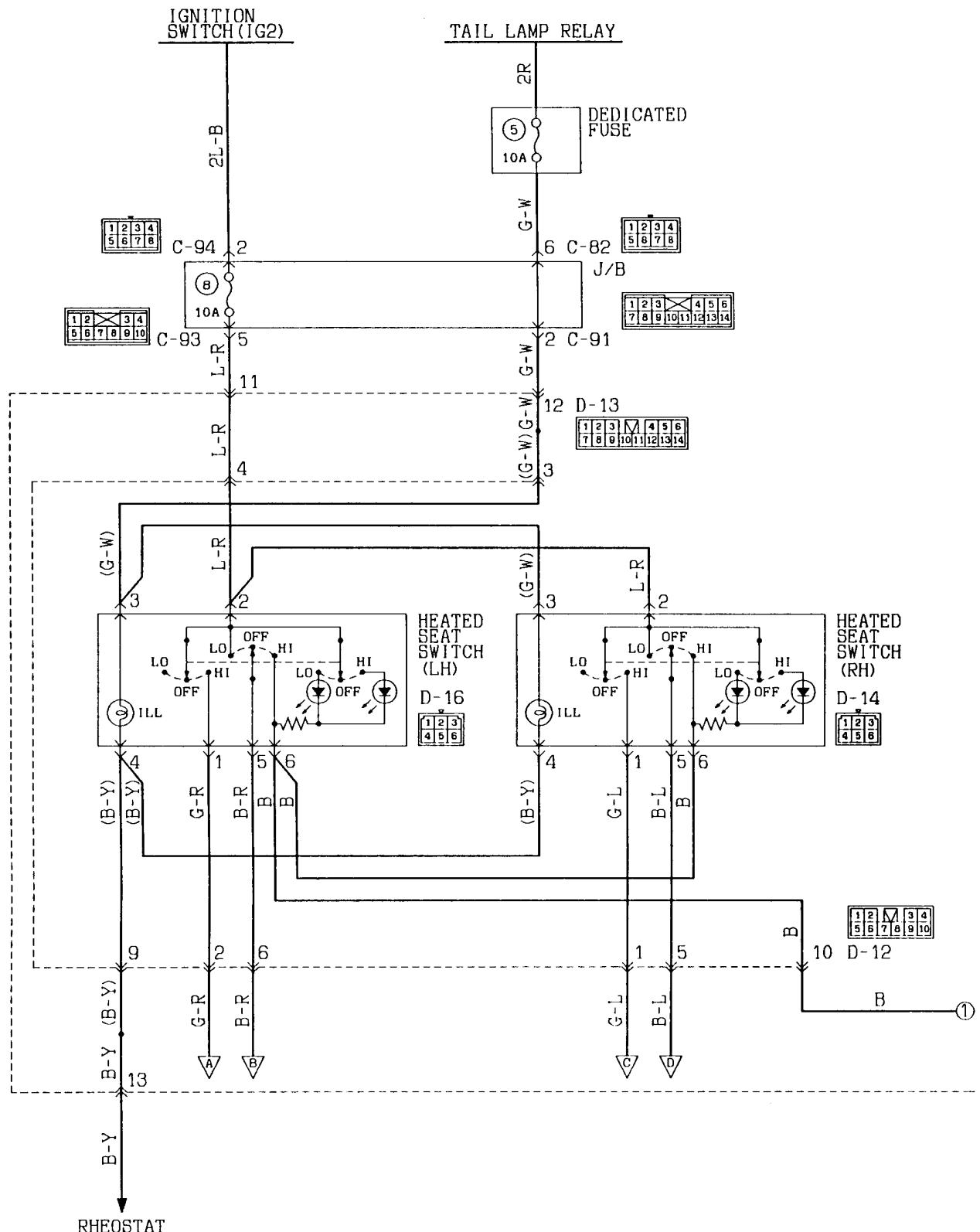


Wire colour code
 B:Black LG:Light green G:Green
 BR:Brown O:Orange GR:Gray L:Blue
 R:Red W:White Y:Yellow SB:Sky blue
 P:Pink V:Violet

CIRCUIT DIAGRAM — Remote Controlled Variable Shock Absorber 4-167

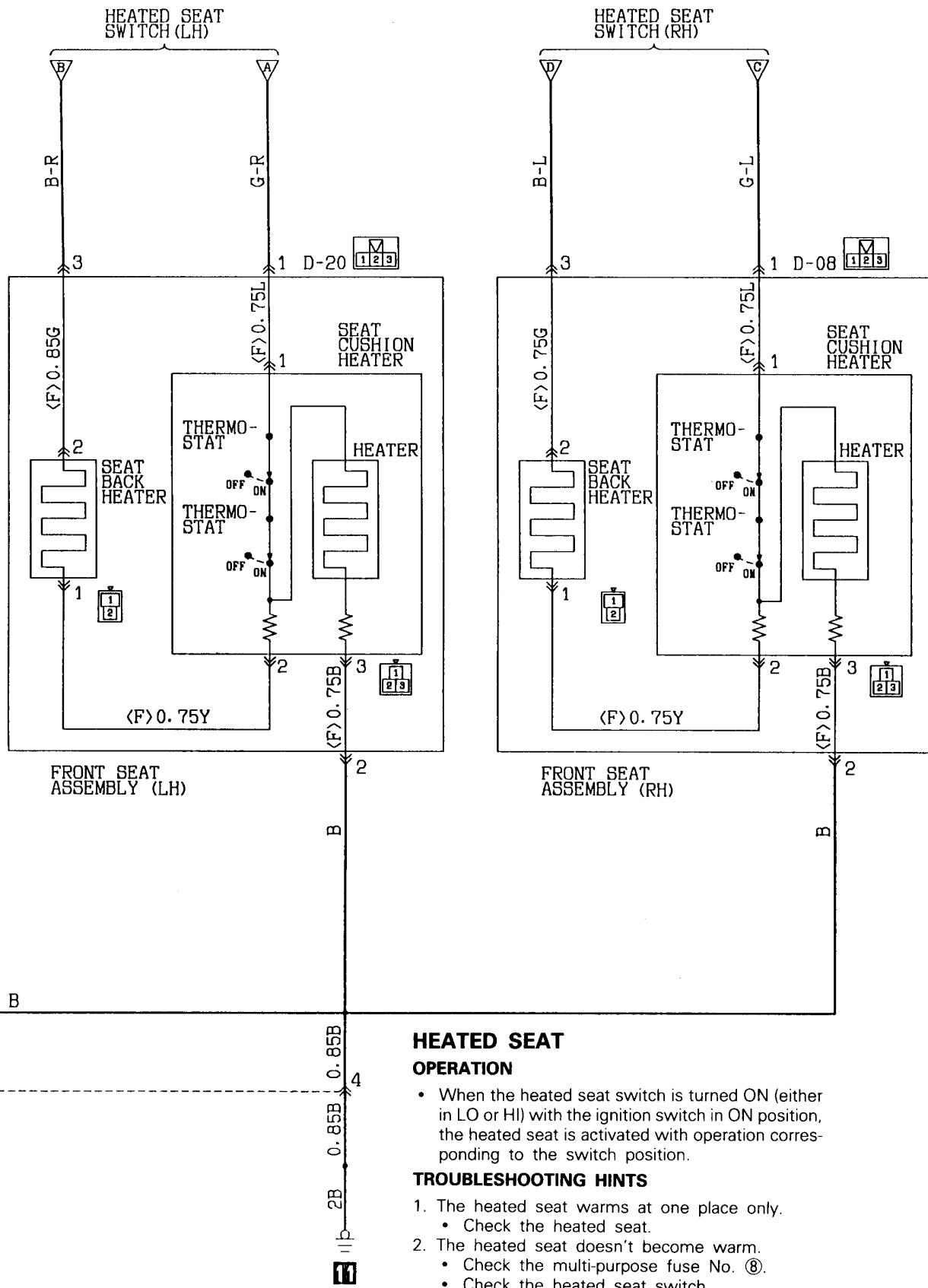


40 HEATED SEAT

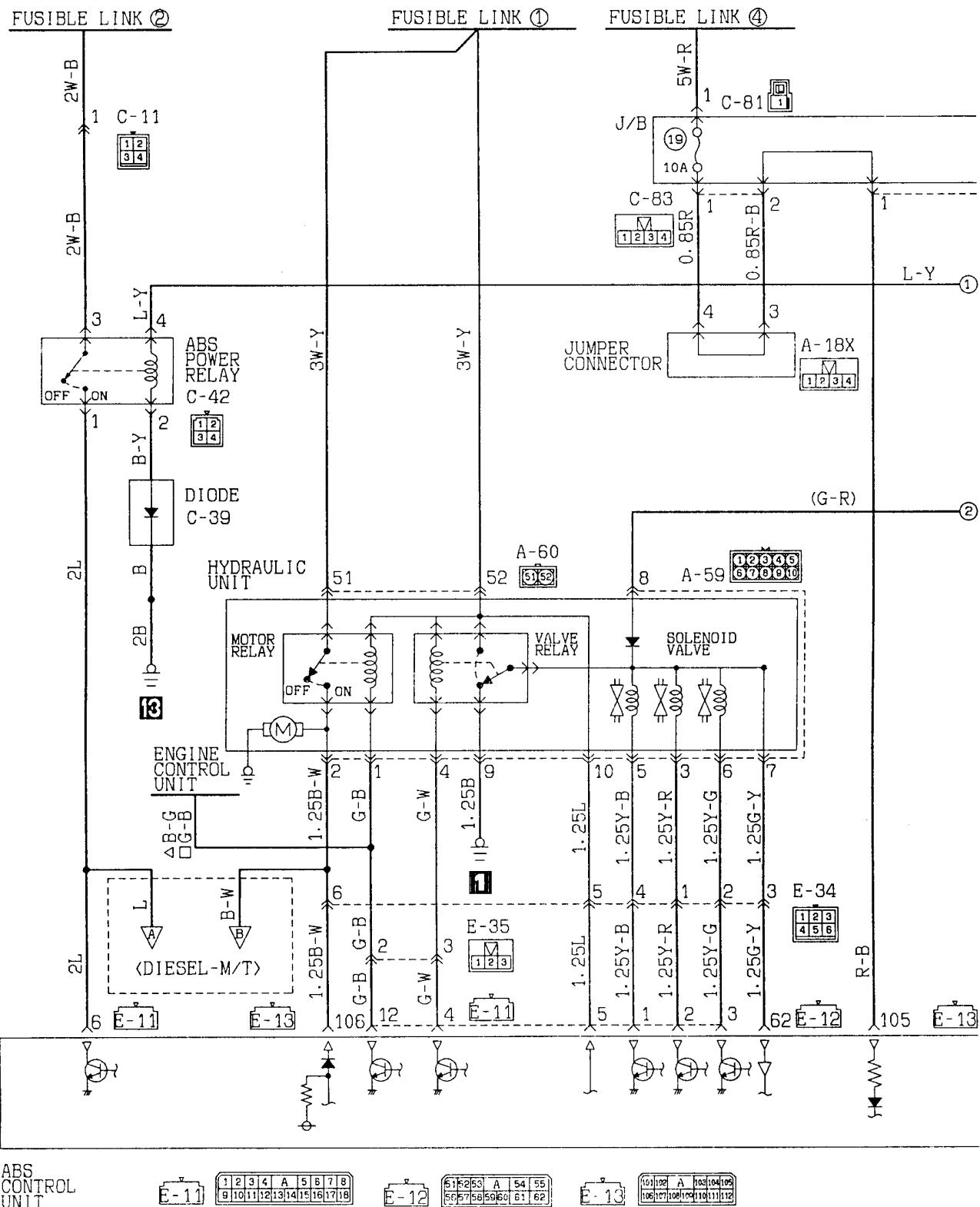


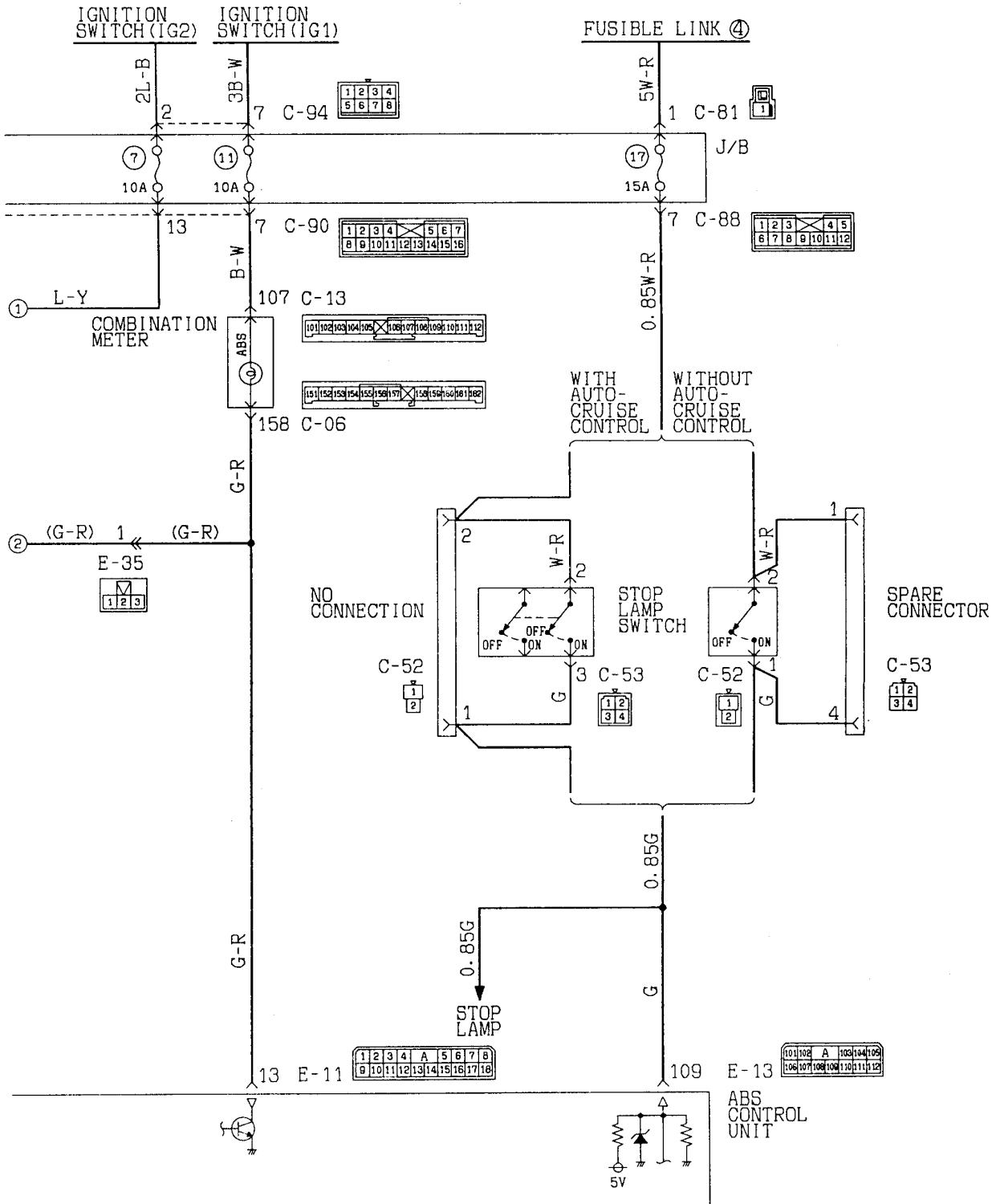
KX35-AC-01505-EC

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		

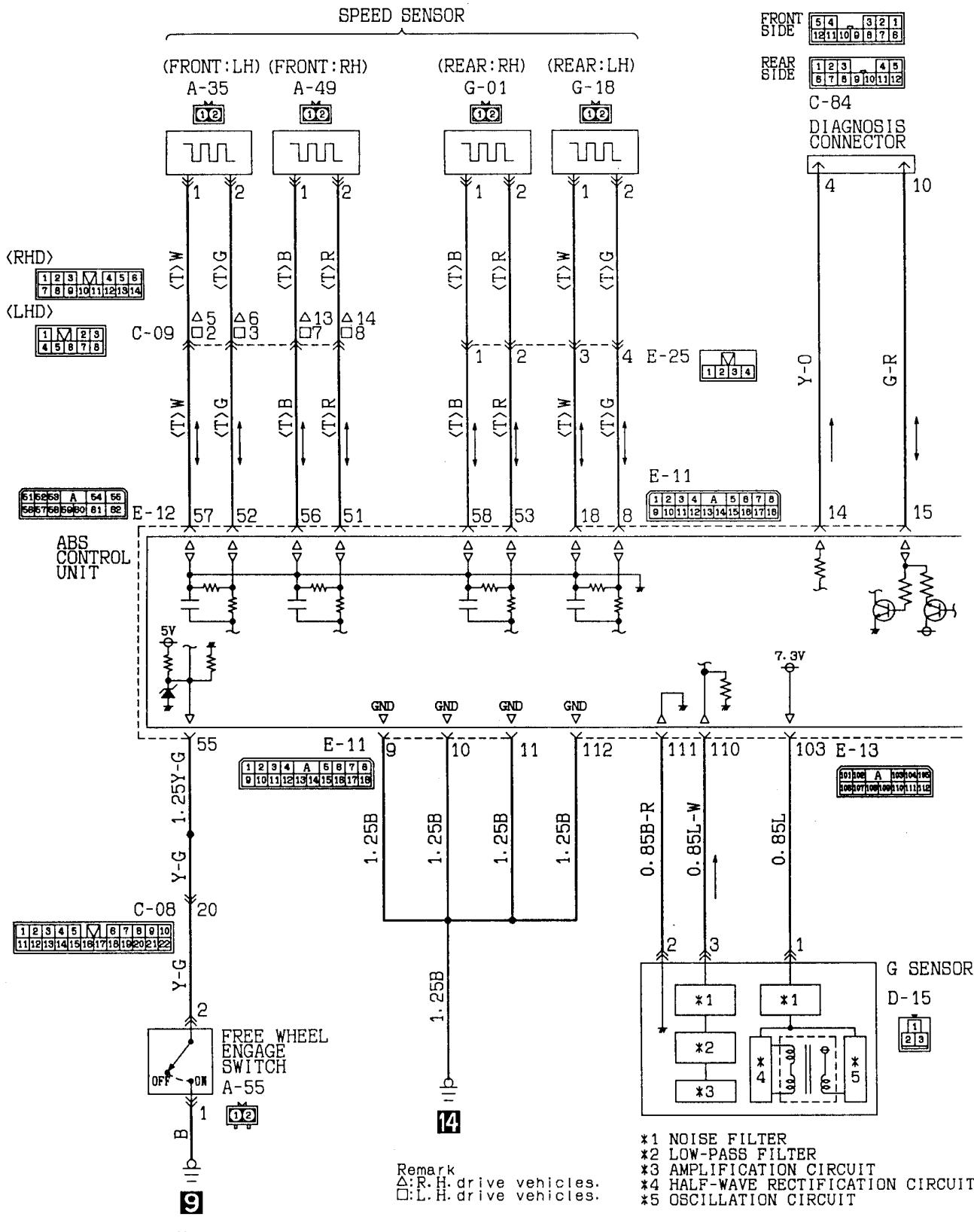


41 ANTI-SKID BRAKE SYSTEM

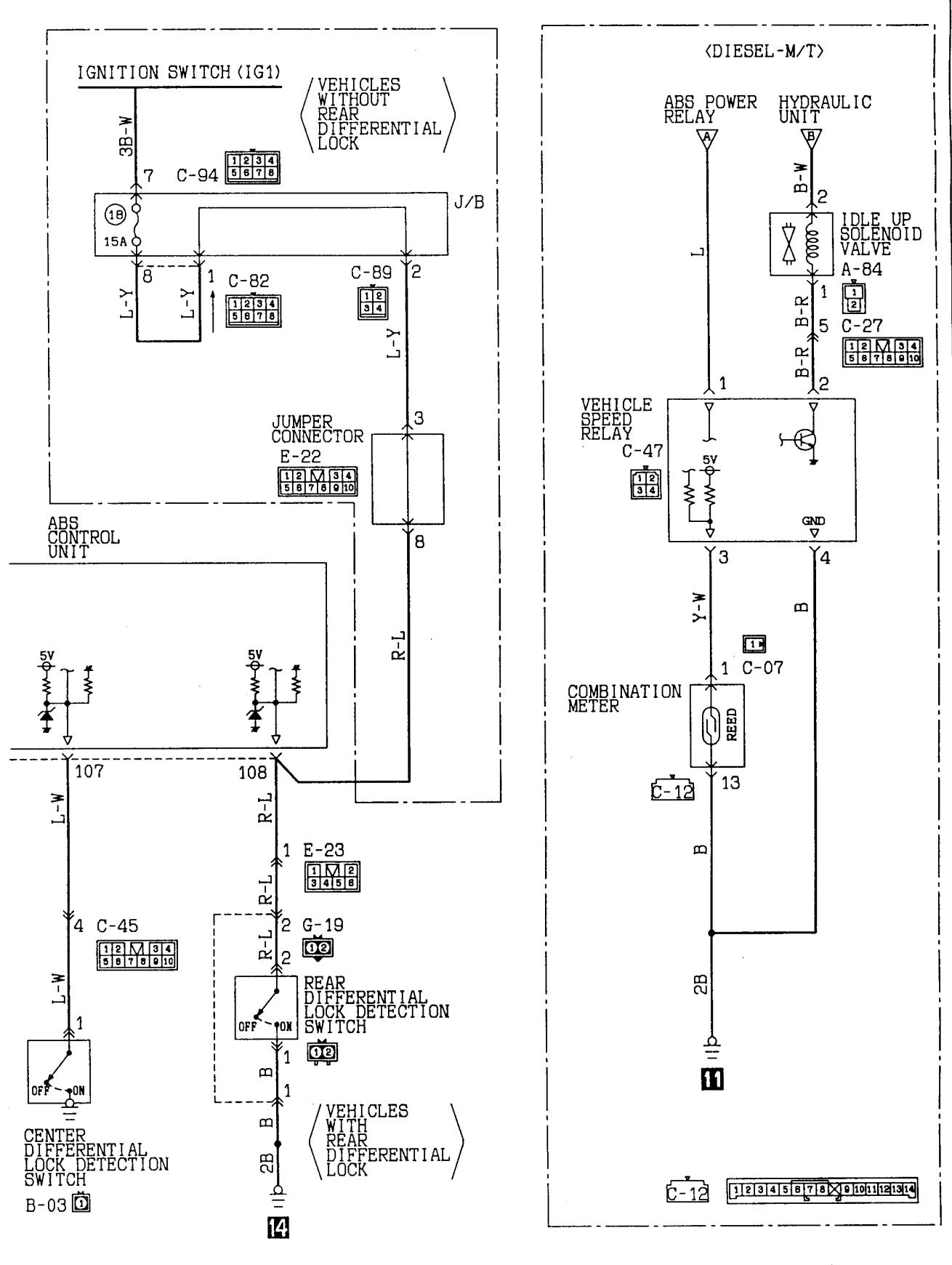




Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet



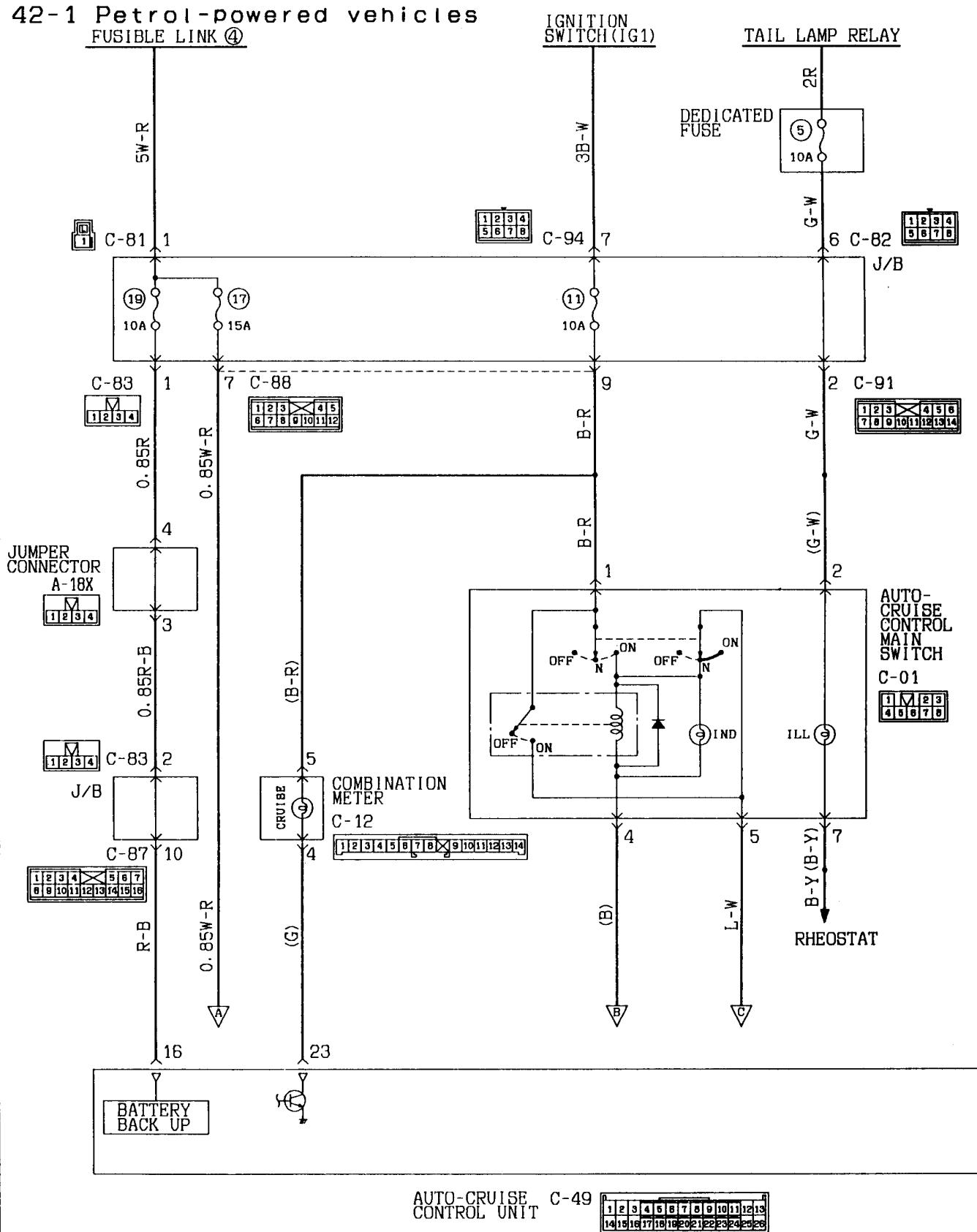
Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BR:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

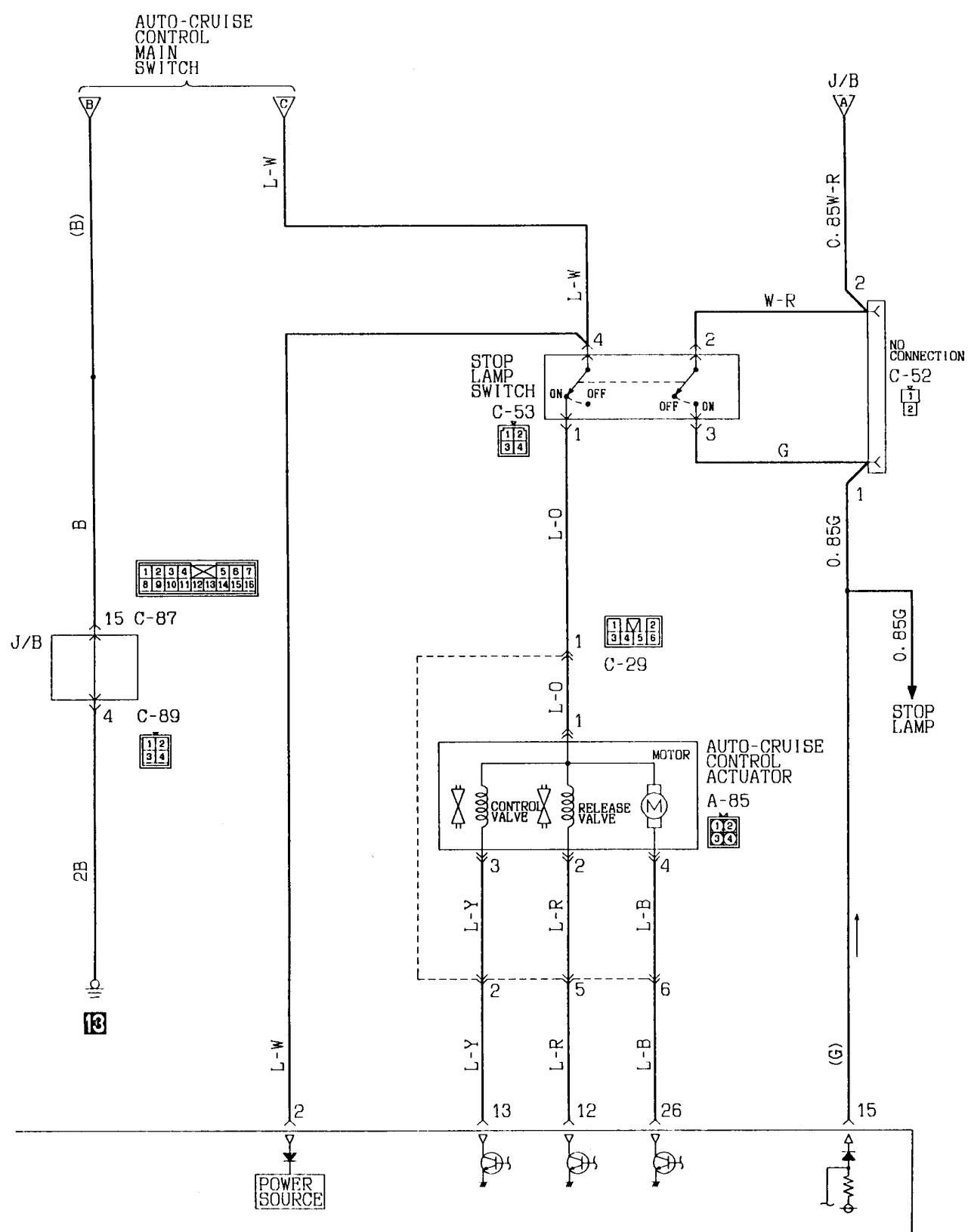


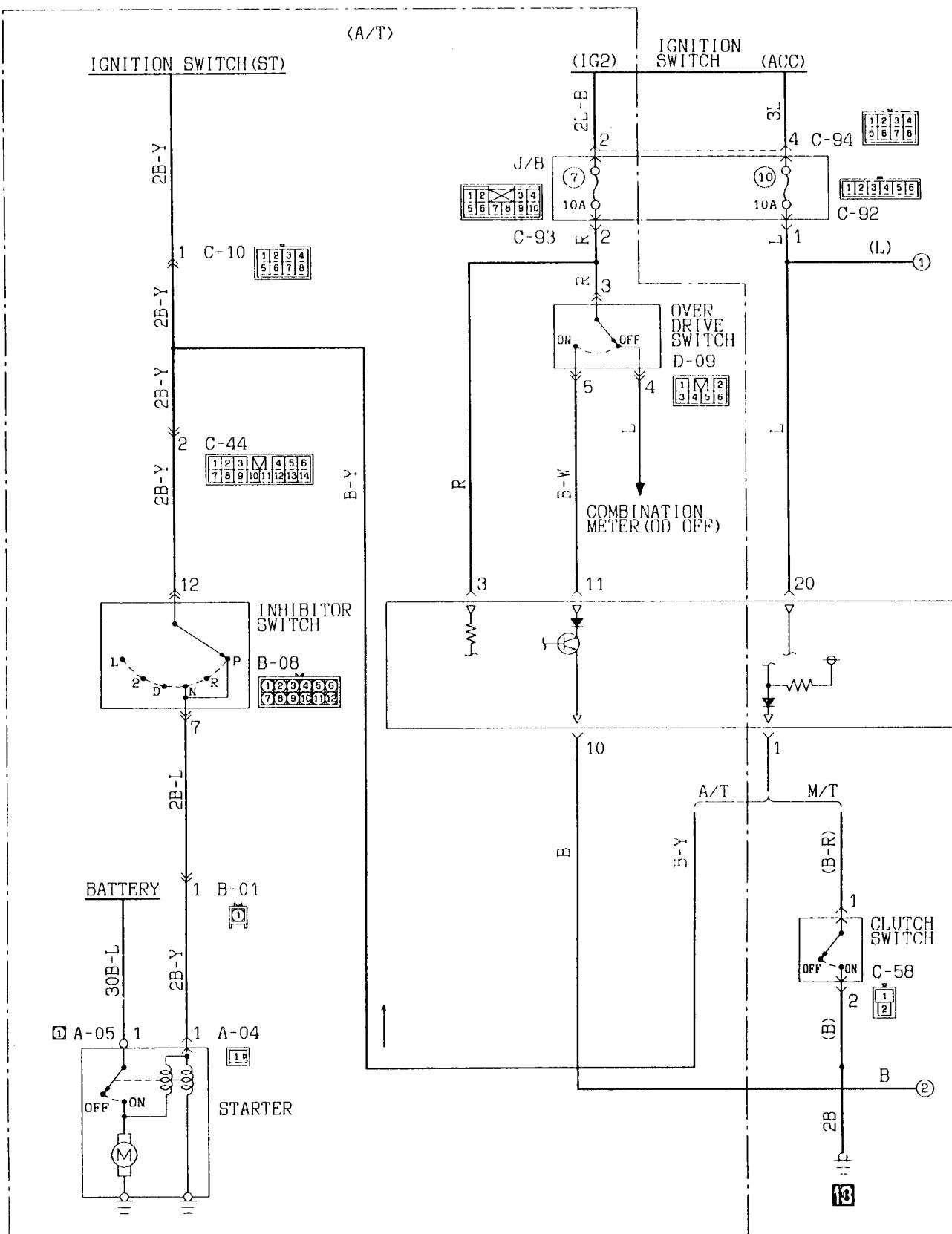
42 AUTO-CRUISE CONTROL SYSTEM

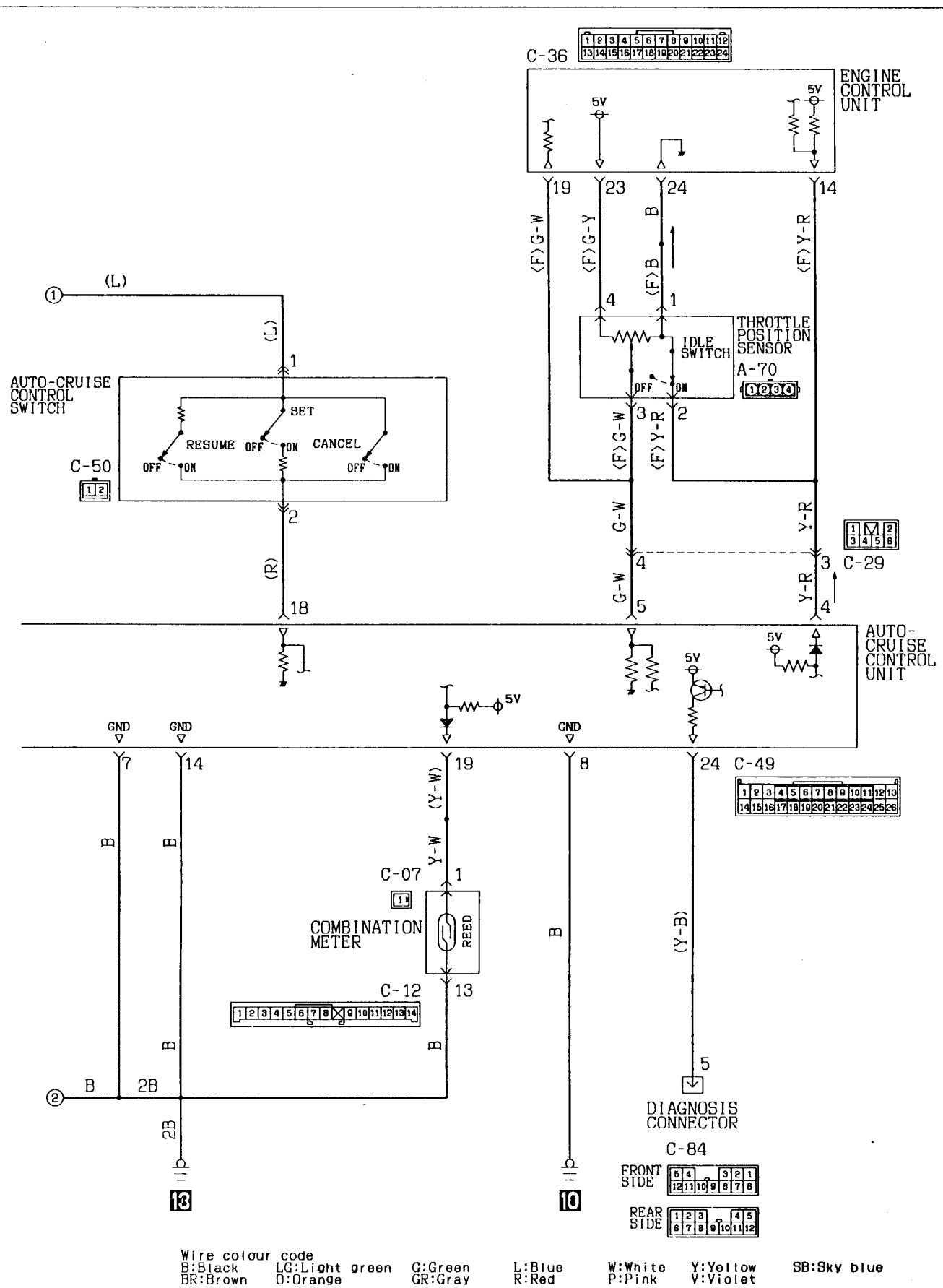
42-1 Petrol-powered vehicles

FUSIBLE LINK #4

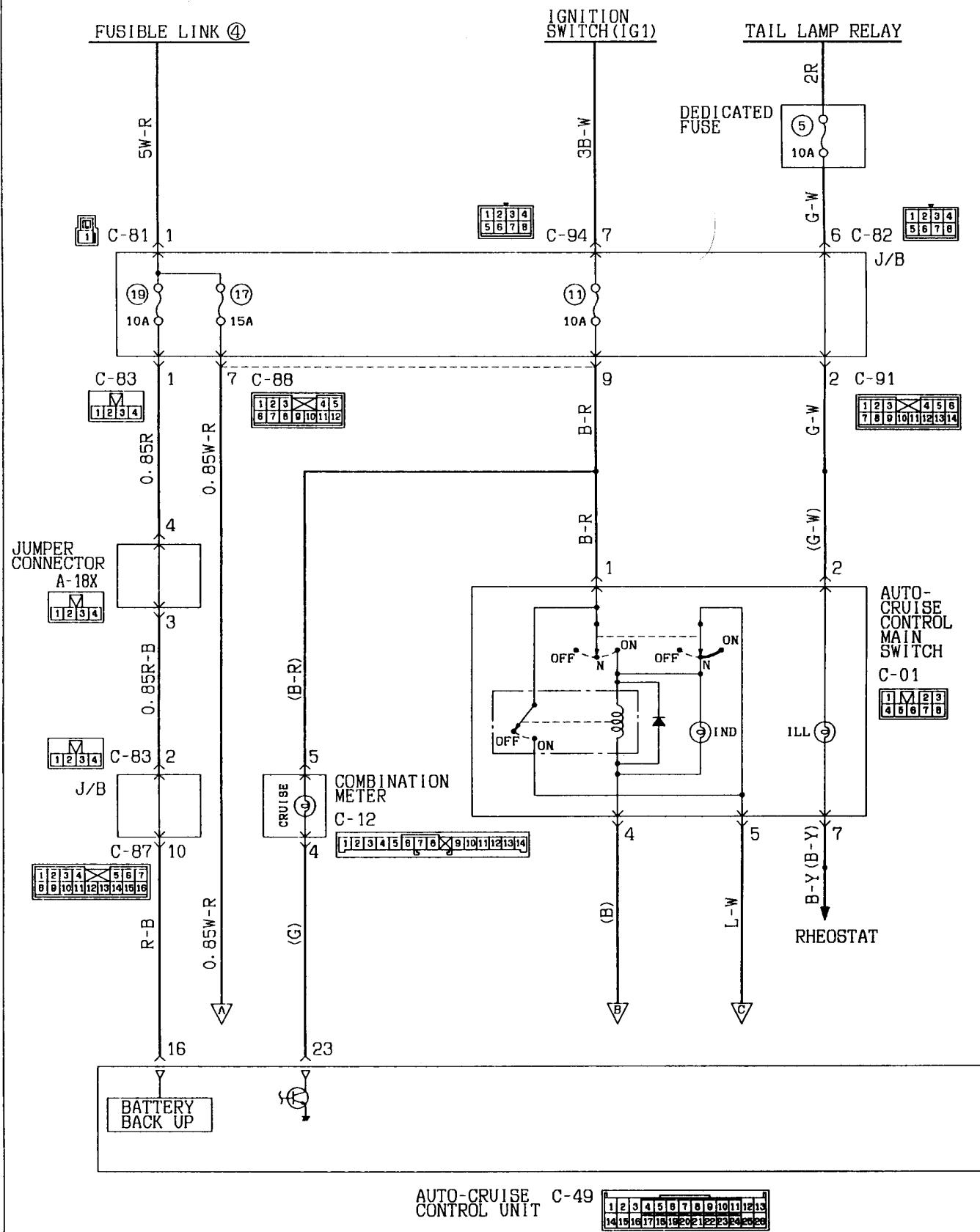




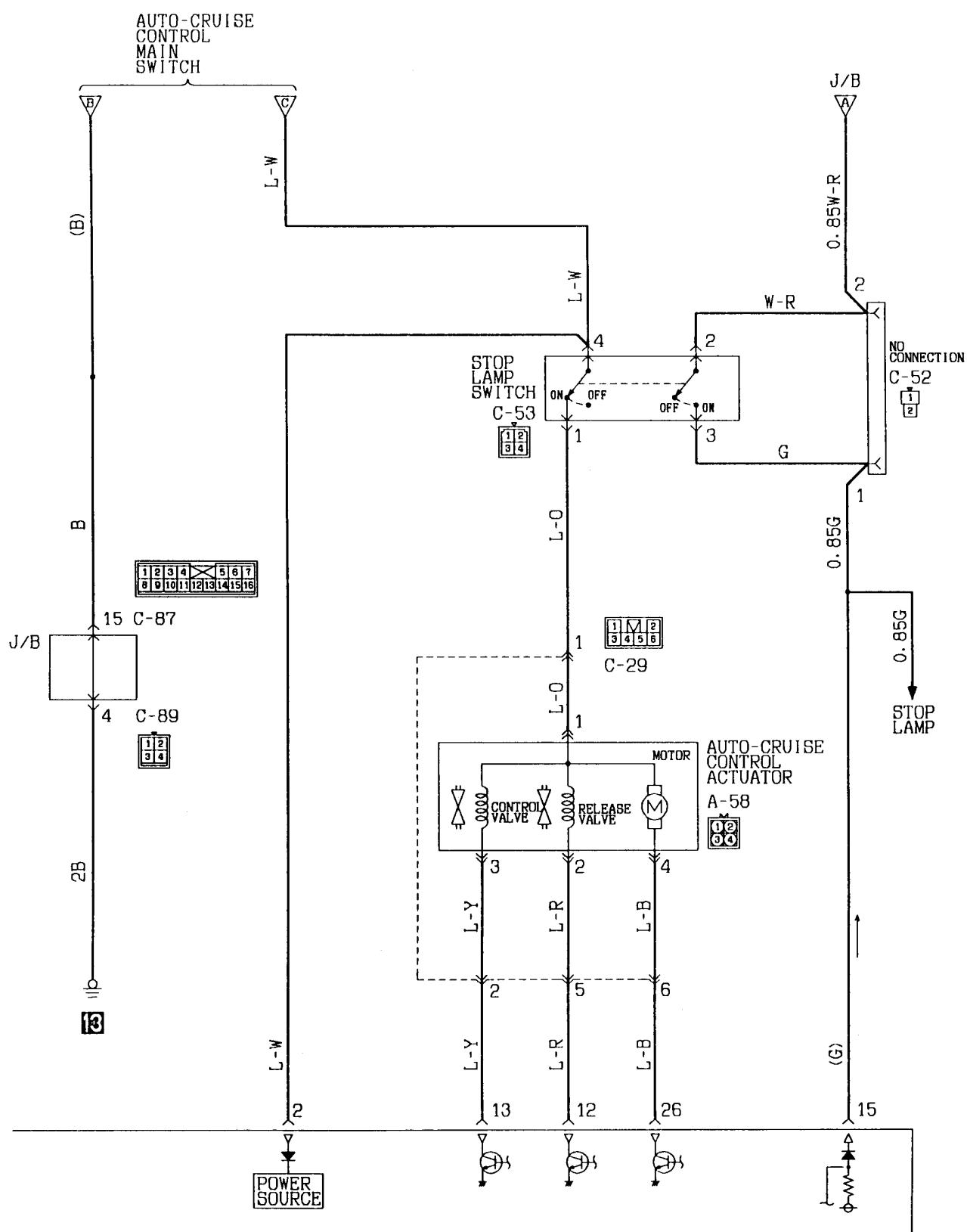


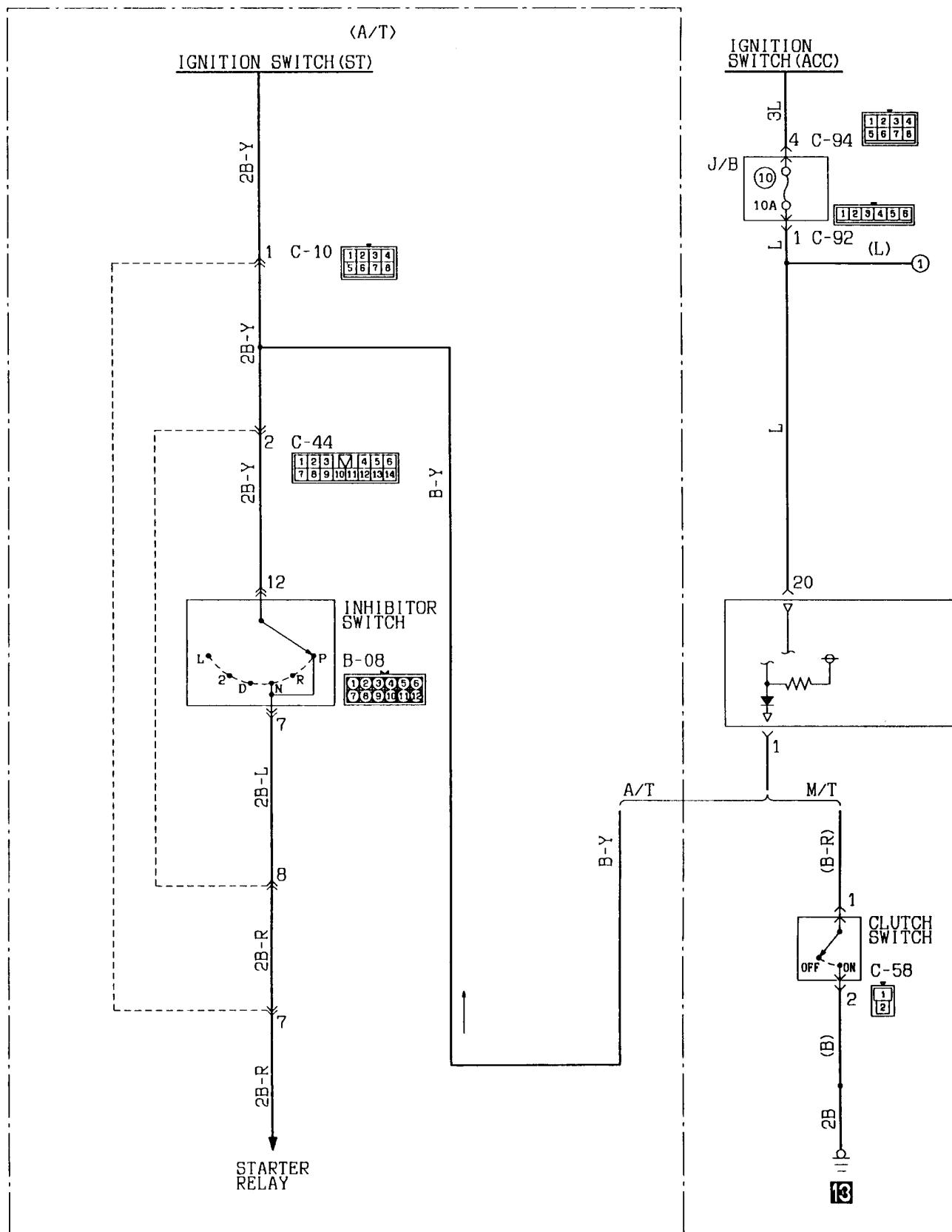


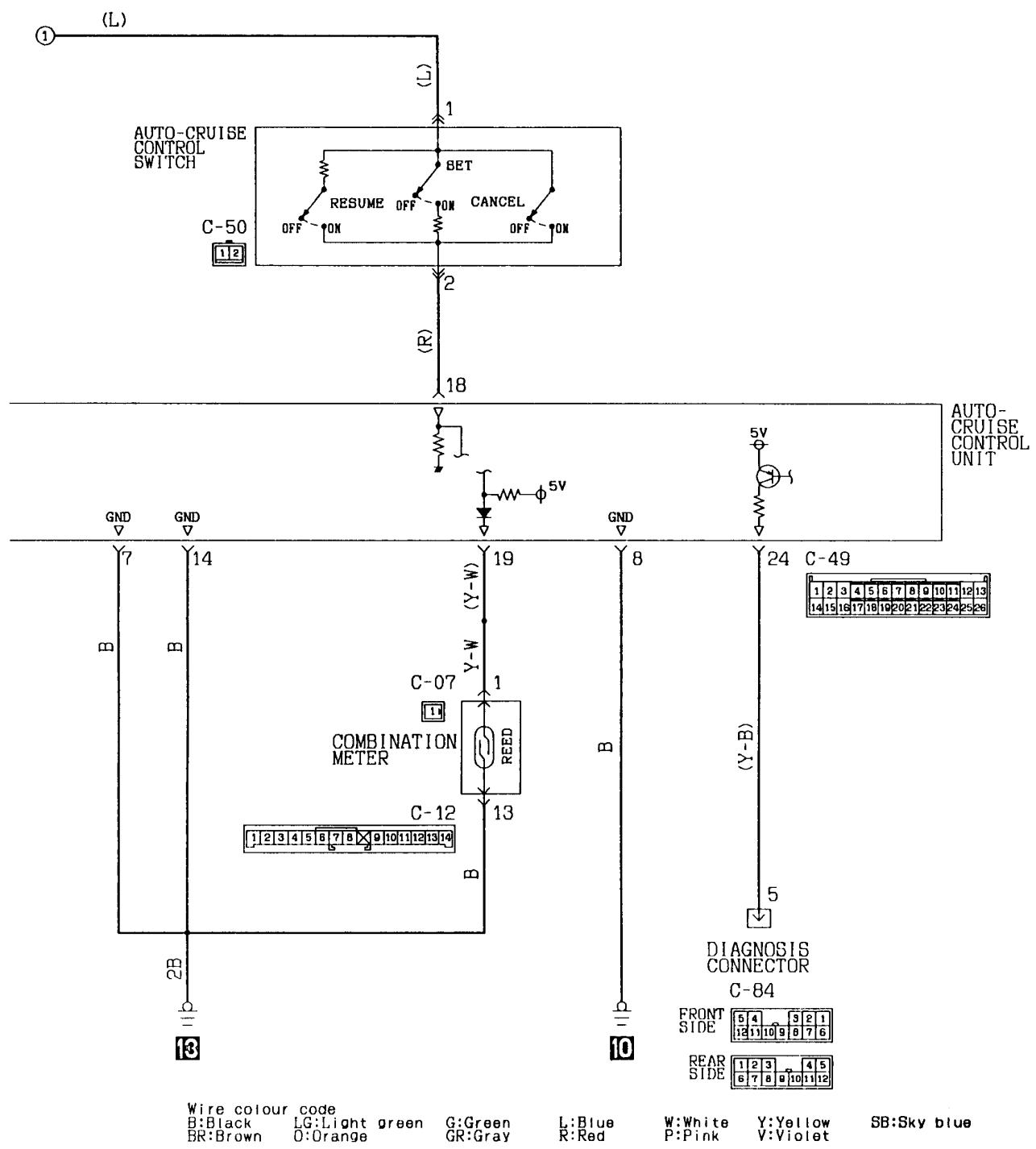
42-2 Diesel-powered vehicles



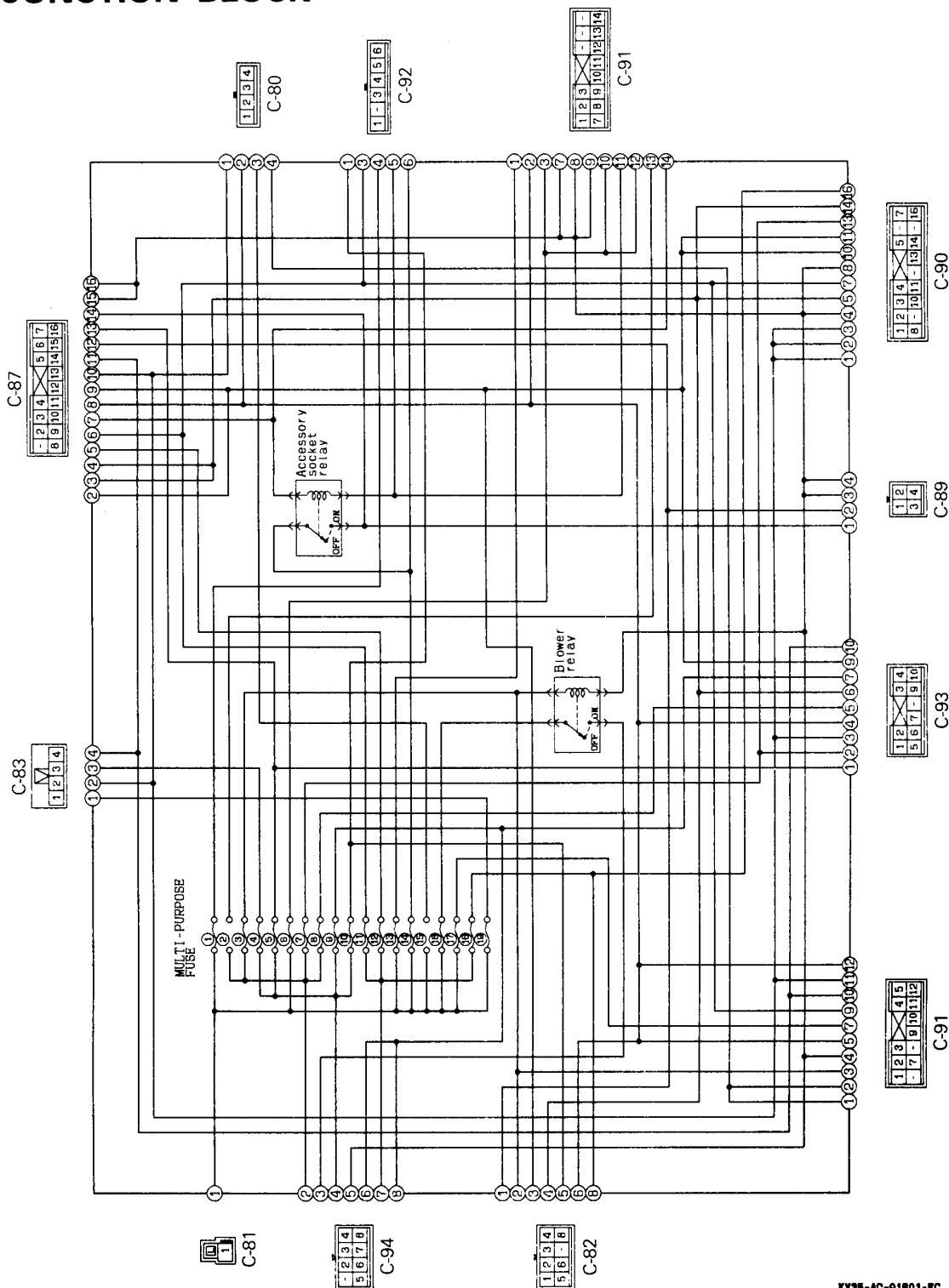
KX35-AC-01508-EC







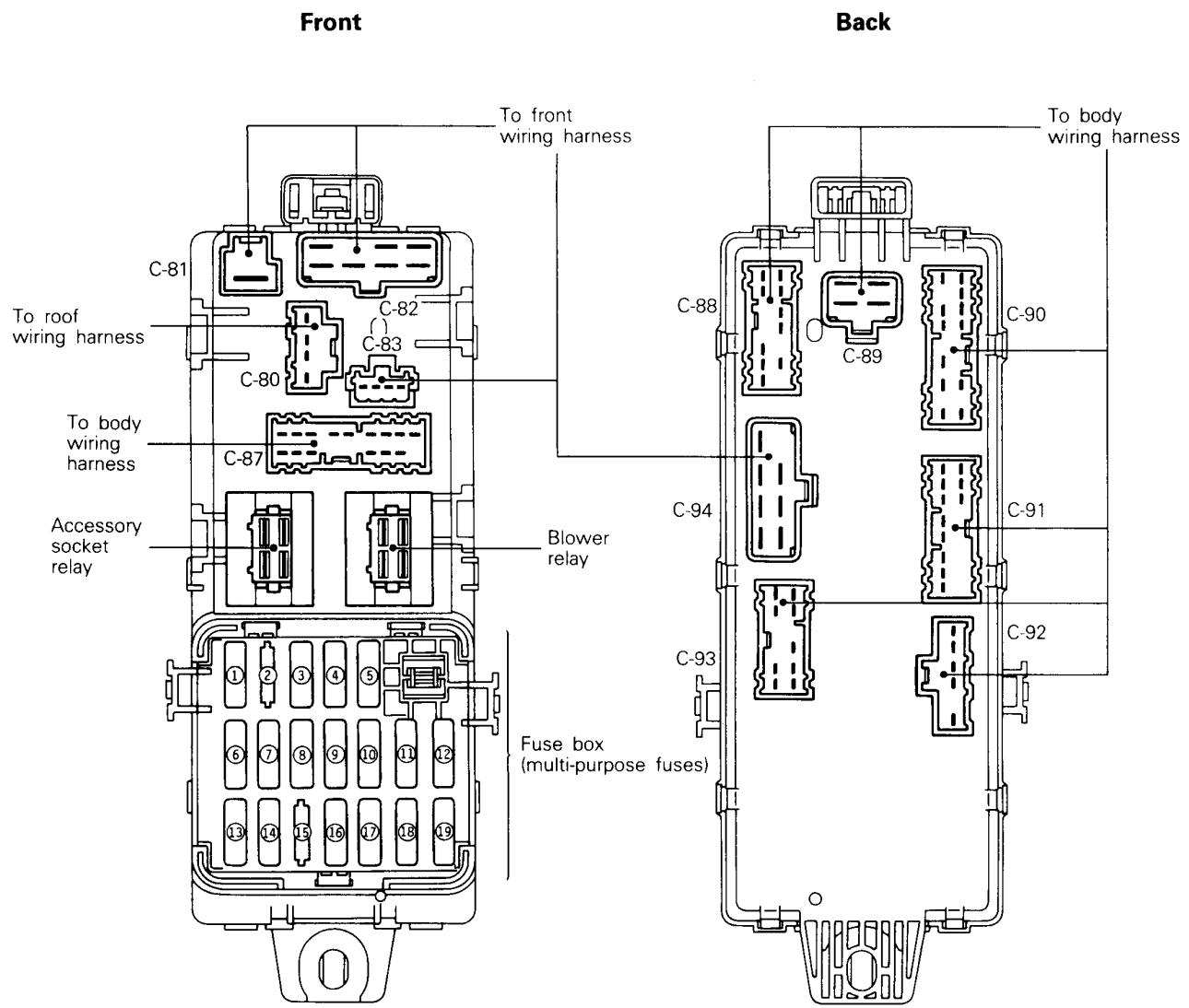
43 JUNCTION BLOCK



KX35-AC-01801-EC

Remark

- Connector numbers are keyed to the configuration diagram (dashboard panel) and each circuit diagram.



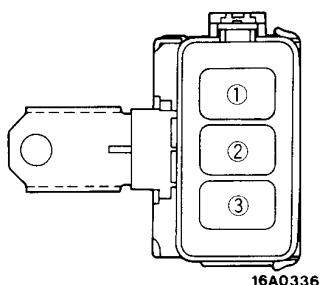
44 CENTRALIZED JUNCTION

FUSIBLE LINK

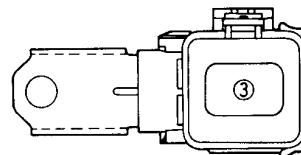
No.	Circuit	Housing colour	Rated capacity (A)
1	ABS circuit (hydraulic unit power source)	Yellow	60
2	ABS circuit (control unit power source)	Light blue	20
3	Glow control circuit	Black	80
4	Junction block (Multi-purpose fuse ①, ⑥, ⑬, ⑭, ⑯, ⑰, ⑲ A/C circuit)	Yellow	60
5	Alternator circuit	Blue	100
6	MPI and intercooler fan circuit	Light blue	20
7	Ignition switch and starting circuit	Green	40
8	—	—	—
9	—	—	—
10	Power window circuit	Pink	30
11	—	—	—
12	Condenser fan motor circuit	Pink	30
13	Alternator, headlamp and tail lamp circuit	Green	40

(Connected directly to battery positive terminal)

⟨Vehicles with ABS⟩

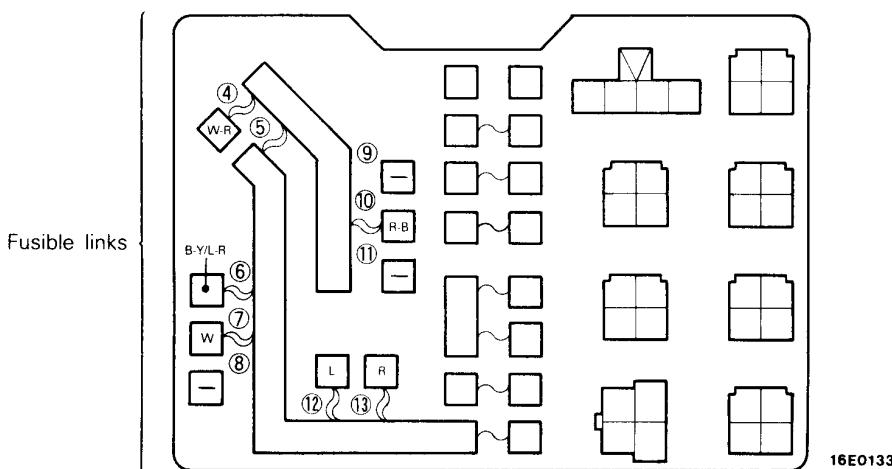


⟨Diesel-powered vehicles without ABS⟩



16A0335

(Relay box in engine compartment)



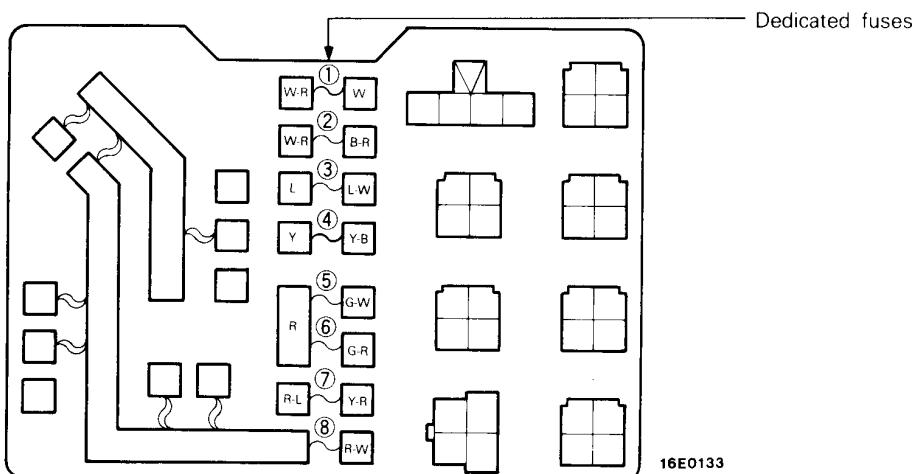
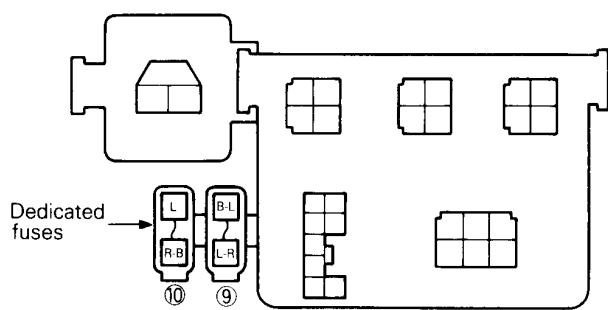
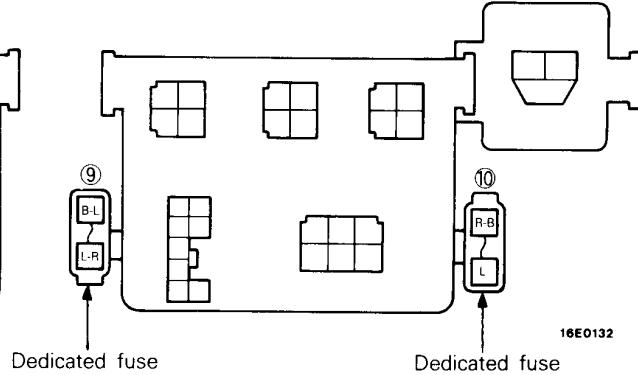
DEDICATED FUSE

Power supply circuit	No.	Rated capacity (A)	Housing Colour	Circuit
Battery	1	15	Blue	Fuel line heater
Battery	2	10	Red	A/C compressor circuit
Battery	3	25 *1	Transparent	Condenser fan motor circuit
		30 *2	Green	
Headlamp relay (Battery)	4	10	Red	Rear fog lamp circuit
Tail lamp relay (Battery)	5	10	Red	Tail lamp circuit
Tail lamp relay (Battery)	6	10	Red	Tail lamp circuit
Headlamp relay (Battery)	7	10	Red	Upper beam indicator circuit
Battery	8	10	Red	Hazard lamp circuit
Ignition switch (IG2)	9	20	Yellow	Defogger circuit
Ignition switch (ACC)	10	15	Blue	Sunroof circuit

NOTE

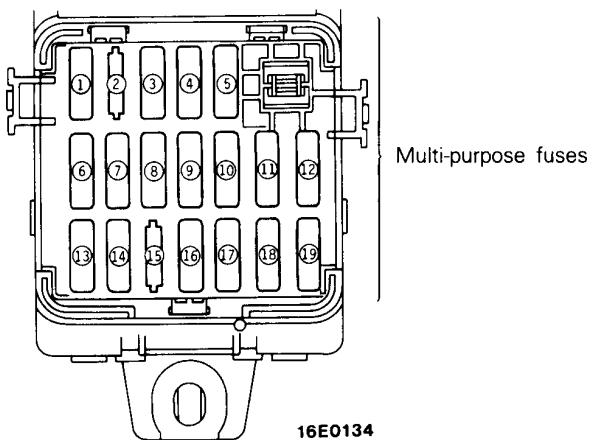
(1) *1: Diesel-powered vehicles with single air conditioner.

(2) *2: Diesel-powered vehicles with dual air conditioner.

(Relay box in engine compartment)**(Relay box in passenger compartment)****<L.H. drive vehicles>****<R.H. drive vehicles>**

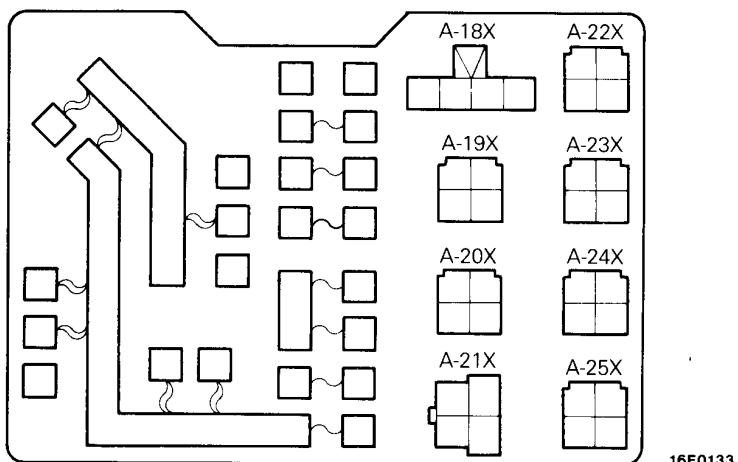
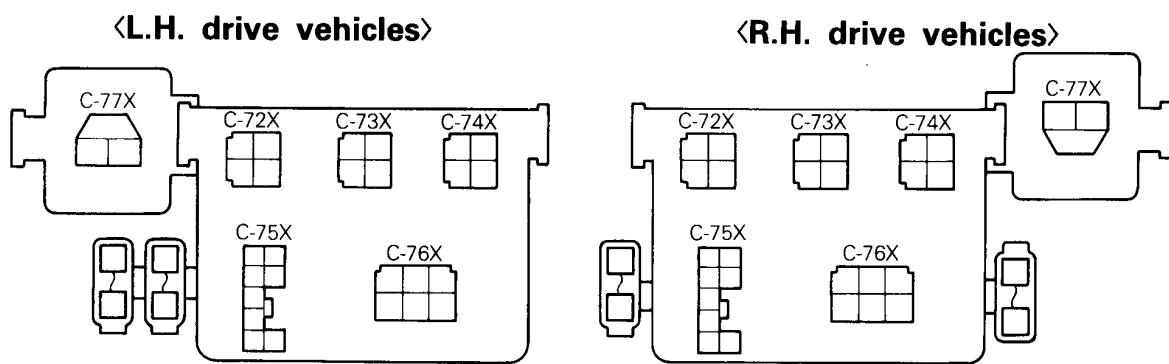
MULTI-PURPOSE FUSES

Power supply circuit		No.	Rated capacity (A)	Load circuit	
Battery		1	20	Rear A/C control unit	
Ignition switch	(IG2)	2	—	—	
		3	10	DRL control unit, blower relay, rear heater relay and headlamp washer relay	
	(ACC)	4	10	Radio and clock	
		5	15	Remote control mirror, cigarette lighter and accessory socket relay	
Battery		6	15	Door lock control unit	
Ignition switch	(IG2)	7	10	Over drive control relay, variable shock absorber control unit and ABS power relay	
		8	10	Power window relay and heated seat	
	(ACC)	9	15	Wiper and washer	
		10	10	Horn and auto-cruise control unit	
	(IG1)	11	10	Combination meter and motor antenna control unit	
		12	10	Turn-signal lamp and hazard lamp	
Battery		13	10	Rear heater blower motor	
		14	15	Accessory socket	
		15	—	—	
		16	25	Blower motor	
		17	15	Stop lamp	
Ignition switch	(IG1)	18	15	Back-up lamp and rear differential lock control unit	
Battery		19	10	Engine control unit, room lamp, map lamp, cargo space lamp, combination meter, clock, door lock control unit, radio, clock and auto-cruise control unit	

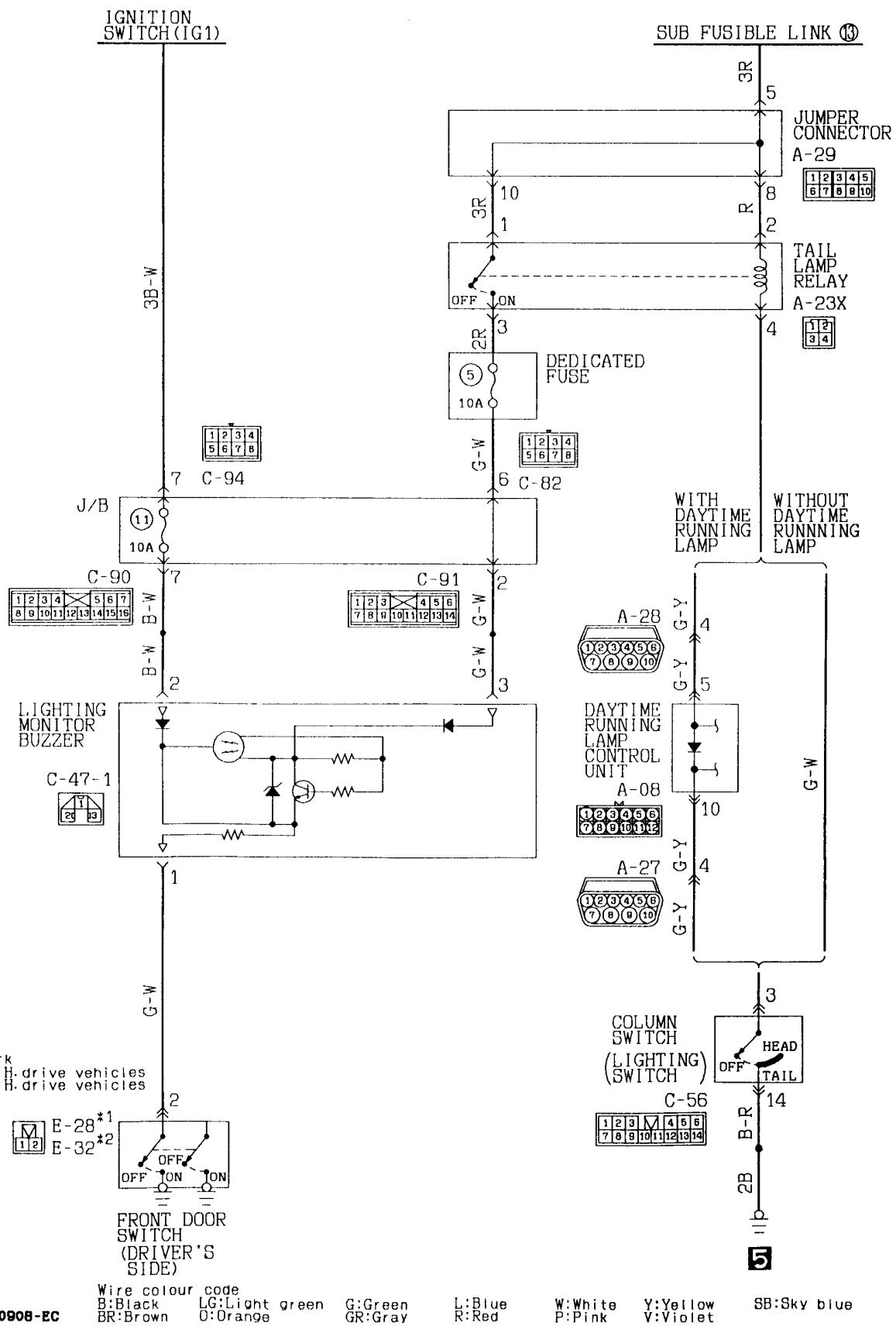
(In junction block)

CENTRALIZED RELAY

Classification	Name	Classification	Name
Relay box in engine compartment	A-18X Jumper connector	Relay box in passenger compartment	C-72X
	A-19X Headlamp relay		C-73X Rear heater relay
	A-20X Intercooler fan motor relay		C-74X Power window relay
	A-21X Alternator relay		C-75X Door lock control unit
	A-22X Rear fog lamp relay		C-76X Rear intermittent wiper relay
	A-23X Tail lamp relay		C-77X Turn and hazard flasher unit
	A-24X Condenser fan motor relay		
	A-25X A/C compressor relay		

(Relay box in engine compartment)**(Relay box in passenger compartment)**

45 LIGHTING MONITOR BUZZER



LIGHTING MONITOR BUZZER (See P. 4-188.)**OPERATION**

- Placing the lighting switch in the TAIL or HEAD position causes the tail lamp relay to be energized.
- When the ignition switch is in the "OFF" position in this condition, if the driver's side door is opened and the front door switch turns "ON", the buzzer sounds to indicate that the lamps are not switched off.

TROUBLESHOOTING HINTS

1. Lighting monitor buzzer doesn't sound
 - (1) But the tail lamps do illuminate.
 - Check the lightning monitor buzzer.
 - Check the front door switch (driver's side).
 - (2) The tail lamps also don't illuminate.
 - Check the sub fusible link No. ⑬.
 - Check the dedicated fuse No. ⑤.

FUEL LINE HEATER CIRCUIT (See P. 4-190.)**OPERATION**

- When the engine is started, the fuel thermo sensor operates to detect the fuel temperature. If the fuel temperature drops below 0~6°C (32~43°F), the fuel line heater control unit operates to turn the heater on in order to warm the fuel. When the fuel temperature is between 1.5~7.5°C (34.5~45.5°F), the heater turns off.
- If there is a malfunction of the fuel thermo sensor and the heater becomes too warm, the thermo switch operates when the temperature becomes 36~46°C (97~115°F) to turn the heater circuit off. If there is a malfunction of the thermo switch, the thermo fuse will burn out at 114~124°C (237~255°F) to fully isolate the heater circuit.

46 FUEL LINE HEATER

