

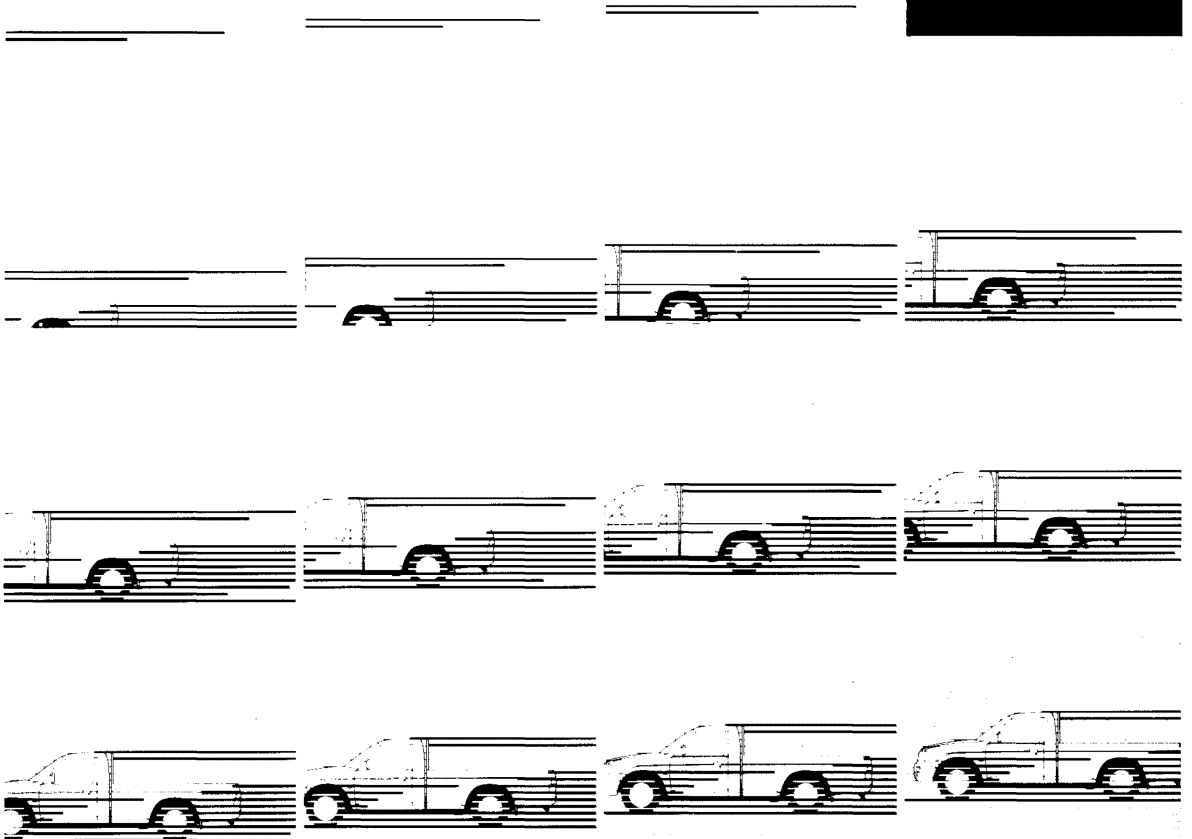
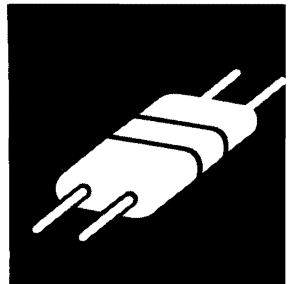


Workshop Manual

electrical wiring

SUPPLEMENT

L200 '98



L200

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring of Mitsubishi L200 edited in the form of wiring harness configuration diagrams and function-separated circuit diagrams.

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

TECHNICAL INFORMATION MANUAL
PYTE9601

WORKSHOP MANUAL
CHASSIS GROUP PWTE9601 (Basic)
PWTE9601-A
(Supplement)
BODY REPAIR MANUAL
PBTE9601 (Basic)
ENGINE GROUP PWEE□□□□
(Looseleaf edition)

PARTS CATALOGUE T603B006D□

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

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

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CONTENTS

The preceding page contains GROUP INDEX that lists the group title and group number.

PAGE NUMBERS

All page numbers consist of two sets of digits separated by a dash. The digits preceding the dash identify the number of the group. The digits following the dash represent the consecutive page number within the group. The page number can be found on the top left or right of each page.

OPERATION AND TROUBLESHOOTING HINTS

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

HOW TO READ THE WIRING DIAGRAMS

CONTENTS

00109000508

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NOTES

MODELS

00100030155

Model Code		Engine model	Transmission model	Fuel supply system
K62T	JERDEL6	4G63-SOHC (1,997 ml)	R4AW2 (2WD-4A/T)	MPI
	ENDEL6		R5M21 (2WD-5M/T)	
K64T	YNDL6	4D56 (2,477 ml)	R5M21 (2WD-5M/T)	Diesel fuel injection
	ZNDL6			
	ENDL6			
	ENDR6			
	CENDL6			
	JENDL6			
K75T	CENDEL6	4G64-SOHC (2,351 ml)	V5M21 (4WD-5M/T)	MPI
K74T	YNDFL6	4D56 Turbocharger with Intercooler (2,477 ml)	V5MT1 (4WD-5M/T)	Diesel fuel injection
	ZNDFL6			
	ENDFR6			
	JERDFL6		V4AW2 (4WD-4A/T)	
	GJENXFL6		V5MT1 (4WD-5M/T)	
	CENDFL6			
	JENDFL6			
	JENHFL6			

COMPOSITION AND CONTENTS OF WIRING DIAGRAMS

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

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

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HOW TO READ CONFIGURATION DIAGRAMS

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

Denotes connector No.
The same connector No. is used throughout the circuit diagrams to facilitate connector location searches.
The first alphabetical symbol indicates the location site of the connector and a number that follows is the unique number. Numbers are assigned to parts in clockwise order on the diagram.

Example: A-12

Number specific to connector (serial number)

Connector location site symbol

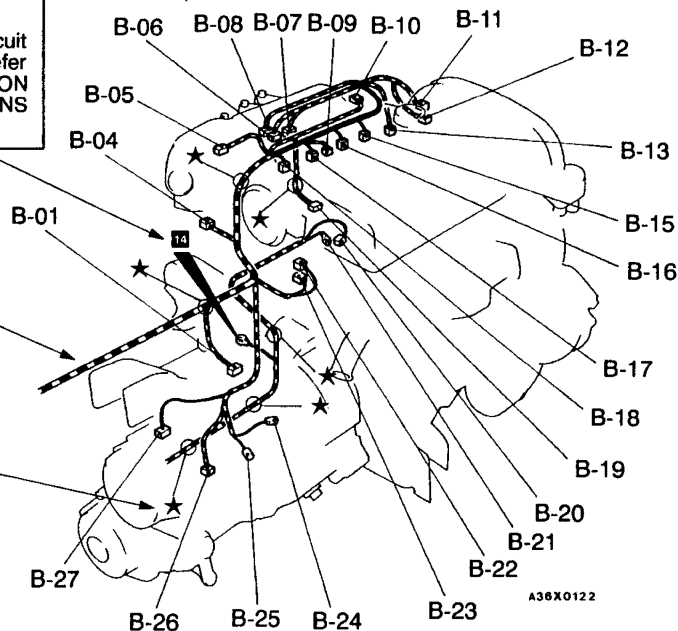
A: Engine compartment
B: Transmission
C: Dash panel
D: Cabin
E: Door
F: Frame

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

Denotes a section covered by a corrugated tube.

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

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



B-01 (3-B)	Vehicle speed sensor	B-16 (2-GR)	Injector No. 2
B-02 (6)	Distributor assembly	B-17 (2-GR)	Injector No. 3
B-03 (2)	Distributor assembly	B-18 (2-GR)	Injector No. 4
B-04 (6-B)	Idle speed control servo	B-19 (4)	Oxygen sensor (front)
B-05 (4-B)	Throttle position sensor	B-20 (1-BR)	Starter motor

The number of connector pins and the connector colour (except milk white) are shown for ease of retrieval.

*: Typical connector colours

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

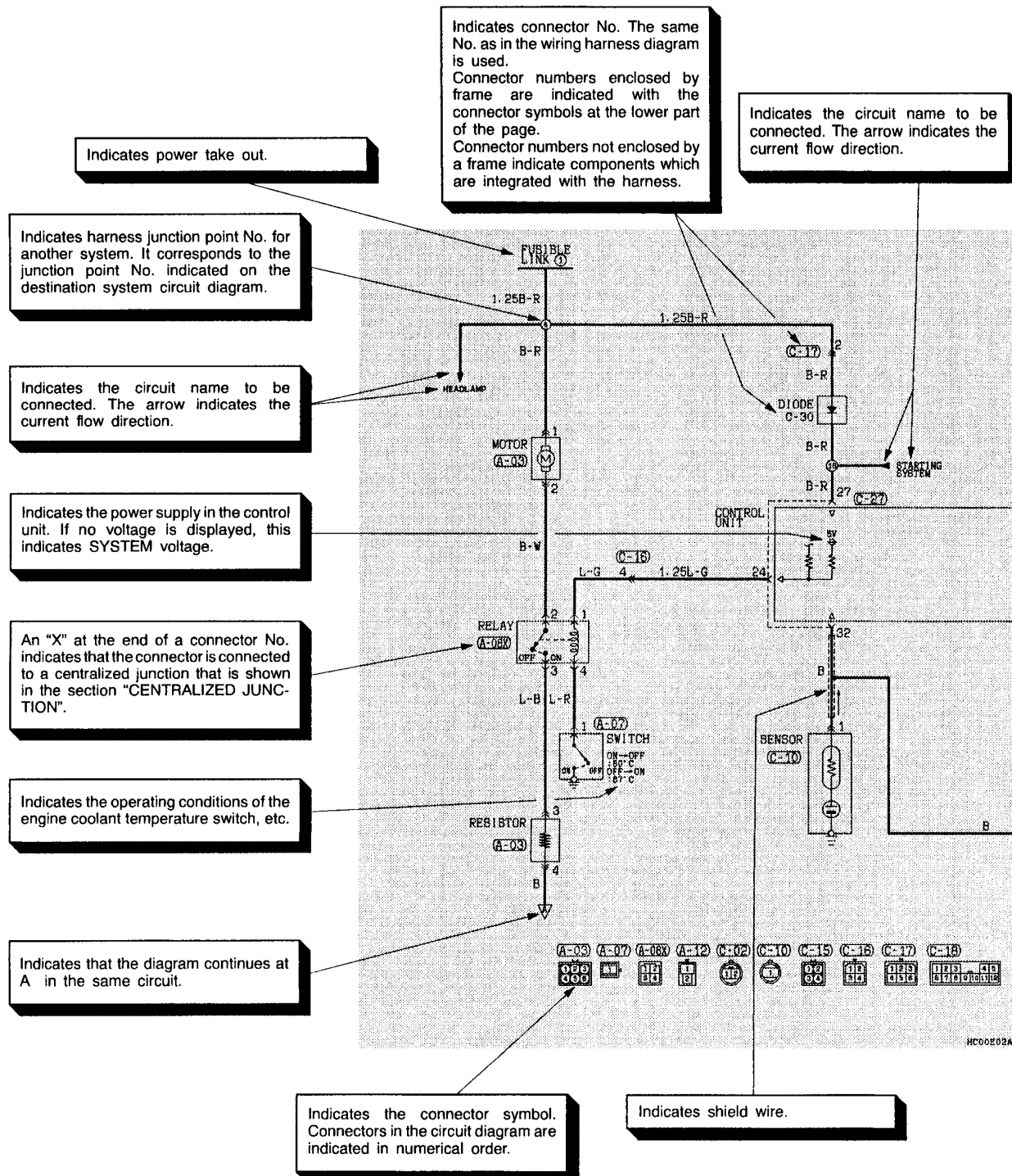
Example: (2-B)

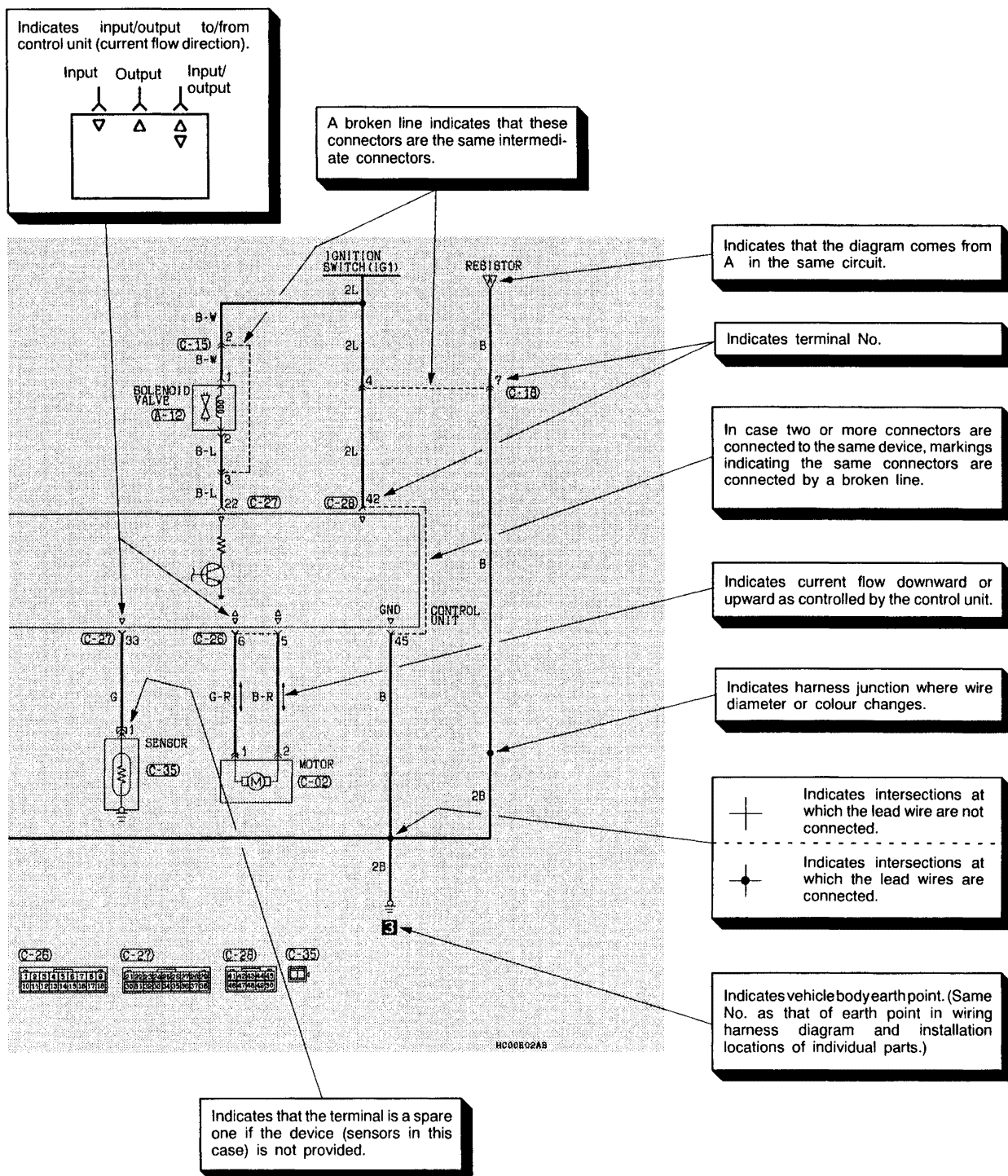
Connector colour
(milk white if no colour is indicated)
Number of connector pins

HOW TO READ CIRCUIT DIAGRAMS

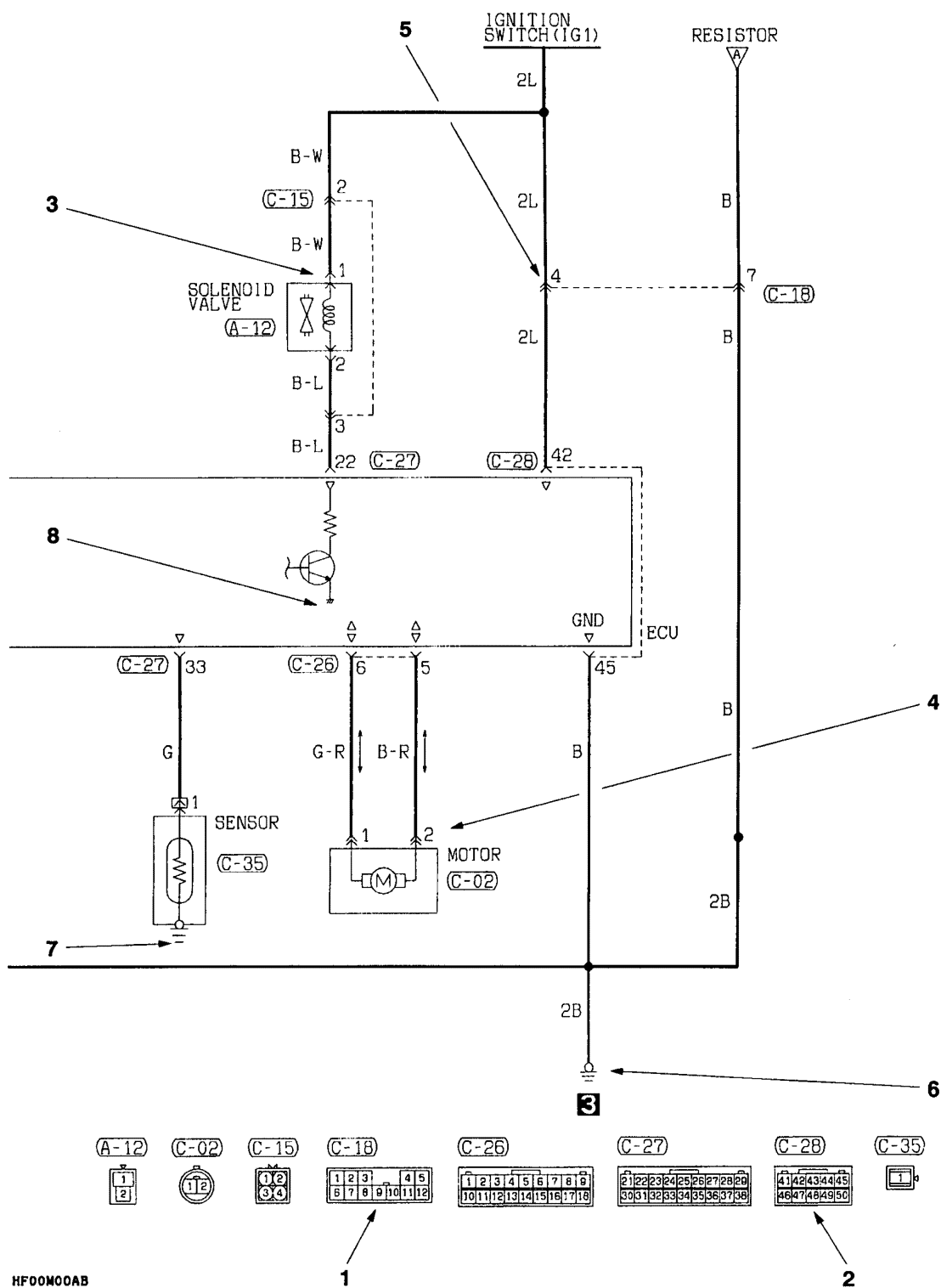
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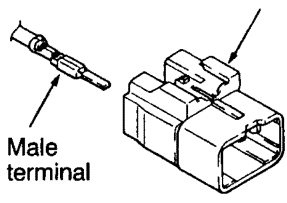
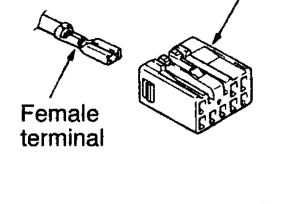
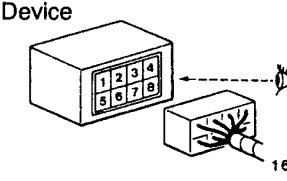
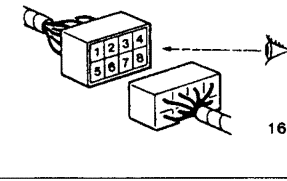
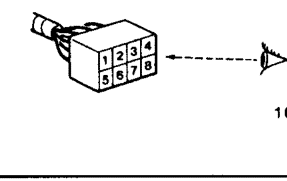
The circuit of each system from fuse (or fusible link) to earth is shown. The power supply is shown at the top and the earth at the bottom to facilitate understanding of the current flow.





MARKINGS FOR CONNECTOR EARTHING

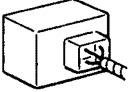
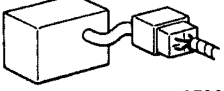
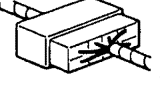
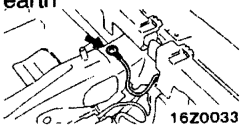
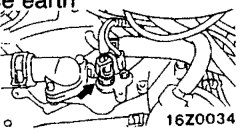
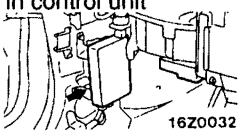


Item	No.	Connector/Earthing	Symbol	Contents
Connector and terminal marking	1		Male terminal  16Z0021	The male and female terminals are indicated as shown. The connector with male terminal(s) is called as male connector and indicated by double connector contour lines, while the connector with female terminal(s) is called as female connector and indicated by single connector contour line.
			Male connector  16Z0016	
	-		Female terminal  16Z0022	
			Female connector  16Z0017	
Connector symbol marking	2	Device 	 16Z0016	The symbol indicates the vehicle connector as viewed from the illustrated direction. At the connection with a device, the connector symbol on the device side is shown, and for an intermediate connector, a male connector symbol is shown. For spare connectors and check connectors, no device is connected, and so the harness side connector symbol is shown for these connectors. The details for the diagnosis connector differ from the above description. For details, refer to the "MUT-II operation instructions".
		Intermediate connector 		
		Spare connector, check connector 	 16Z0017	

1-10

HOW TO READ THE WIRING DIAGRAMS –

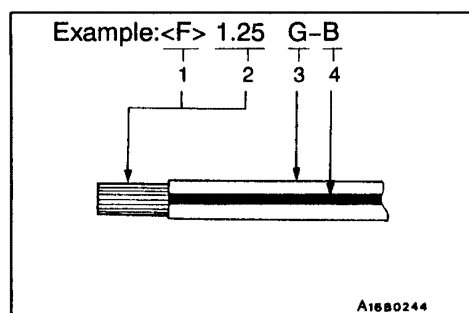
Markings for Connector Earthing

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

WIRE COLOUR CODES

Wire colours are identified by the follow colour codes.

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



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

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

NOTE

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

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

ABBREVIATION SYMBOLS

The abbreviation symbols used in wiring diagrams are defined below.

1. Abbreviation symbols used for system name

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

2. Abbreviation symbols used for combination meters

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
4WD	4WD indicator lamp	R/FOG	Rear fog lamp indicator lamp
ABS	Anti-lock braking system warning lamp	SPEED	Speedometer
A/T	Automatic transmission fluid temperature warning lamp	SRS	Supplemental restraint system warning lamp
BEAM	High beam indicator lamp		
BRAKE	Brake warning lamp	TACHO	Tachometer
CHECK ENGINE	Check engine warning lamp	T/GA	Engine coolant temperature gauge
CHG	Charging warning lamp	TURN (LH)	Turn signal indicator lamp (L.H.)
DOOR	Door-ajar warning lamp	TURN (RH)	Turn signal indicator lamp (R.H.)
F/GA	Fuel gauge	VOLT	Voltage meter
FUEL	Low fuel warning lamp	WATER SEPARAT-ER	Fuel filter warning lamp
GLOW	Diesel preheat indicator lamp		
OD OFF	Overdrive off indicator lamp		
OIL	Oil pressure warning lamp	WHEEL LOCK	Free wheel differential lock indicator lamp
REED	Reed switch		

3. Abbreviation symbols used for switches and relays

Name of switches and relays	Abbreviation symbols	Operation	Name of switches and relays	Abbreviation symbols	Operation
Ignition switch	ACC	When turned to the ACC (ACCESSORY) or ON position, the power circuit will start	Blower switch	LO	Blower operates at low speed
	IG1	Even when at the ST (START) position, the power circuit will start		ML	Blower operates at medium low speed
	IG2	When at the ST (START) position, the power circuit will not start functioning		MH	Blower operates at medium high speed
Dimmer passing switch	LO	Low beams ON		HI	Blower operates at high speed
	HI	High beams ON	Rear heater switch	LO	Blower operates at low speed
Lighting switch	TAIL	Position, tail, licence plate and instrument panel lamps ON	Wind-shield wiper switch	HI	Blower operates at high speed
	HEAD	Headlamps ON		LO	Wipers operate at low speed
Room lamp switch	DOOR	Room lamp ON when a door is open		HI	Wipers operate at high speed
			Variable intermittent wiper control switch	INT	Wipers operate intermittently
Turn signal switch	LH	L.H. turn signal lamps ON		SLOW	Pause time for intermittent operation lengthen
	RH	R.H. turn signal lamps ON	Remote control mirror switch	FAST	Pause time for intermittent operation shorten
Power window switch	UP	Window closes		LH	L.H. mirror operates
	DOWN	Window opens		RH	R.H. mirror operates
	AUTO	Window opens fully	Heated seat switch	LO	Normal heating
Door lock actuator	LOCK	Door lock		HI	Rapid heating
	UN-LOCK	Door unlock	Others	ON	Switched on
Door lock key cylinder switch	LOCK	Door lock		OFF	Switched off
	UN-LOCK	Door unlock			

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

4. Other abbreviation symbols

Abbreviation symbol	Meaning	Abbreviation symbol	Meaning
2WD	Rear wheel-drive vehicles	J/C	Joint connector
4WD	4 wheel-drive vehicles	LH	Left hand
DIESEL	Diesel-powered vehicles	LHD	L.H. drive vehicles
ECU	Electronic control unit	PETROL	Petrol-powered vehicles
GND	Earth	RH	Right hand
ILL	Illumination lamp	RHD	R.H. drive vehicles
IND	Indicator lamp	TDC	Top dead centre
J/B	Junction block		

WIRING HARNESS CONFIGURATION DIAGRAMS

CONTENTS

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OVERALL WIRING DIAGRAM

Single cab	2-2
Club cab	2-3
Double cab	2-3

ENGINE COMPARTMENT

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4D56 <L.H. drive vehicles>	2-8
4D56 <R.H. drive vehicles>	2-12

TRANSMISSION 2-16

DASH PANEL

L.H. drive vehicles	2-18
R.H. drive vehicles	2-24

CABIN

Single cab <L.H. drive vehicles>	2-30
Single cab <R.H. drive vehicles>	2-31
Club cab	2-32
Double cab	2-33

DOOR

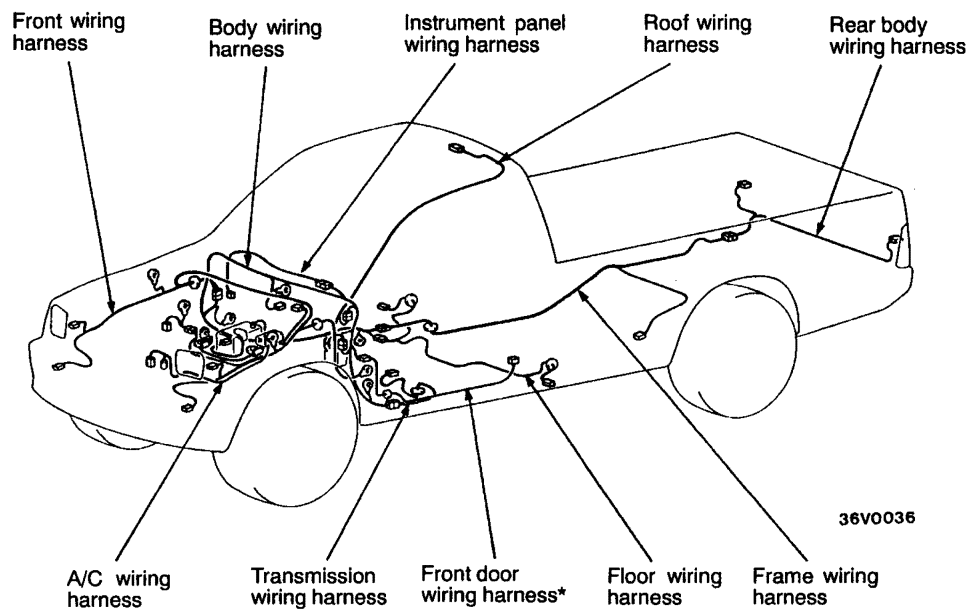
Single cab and club cab	2-34
Double cab	2-35

FRAME 2-36

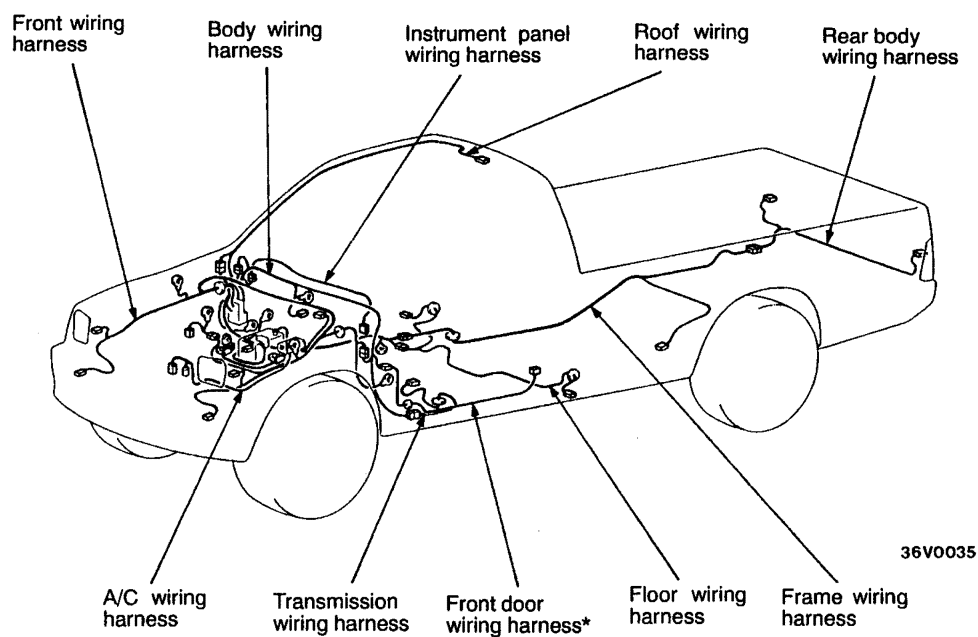
OVERALL WIRING DIAGRAM

Single cab

<L.H. drive vehicles>



<R.H. drive vehicles>

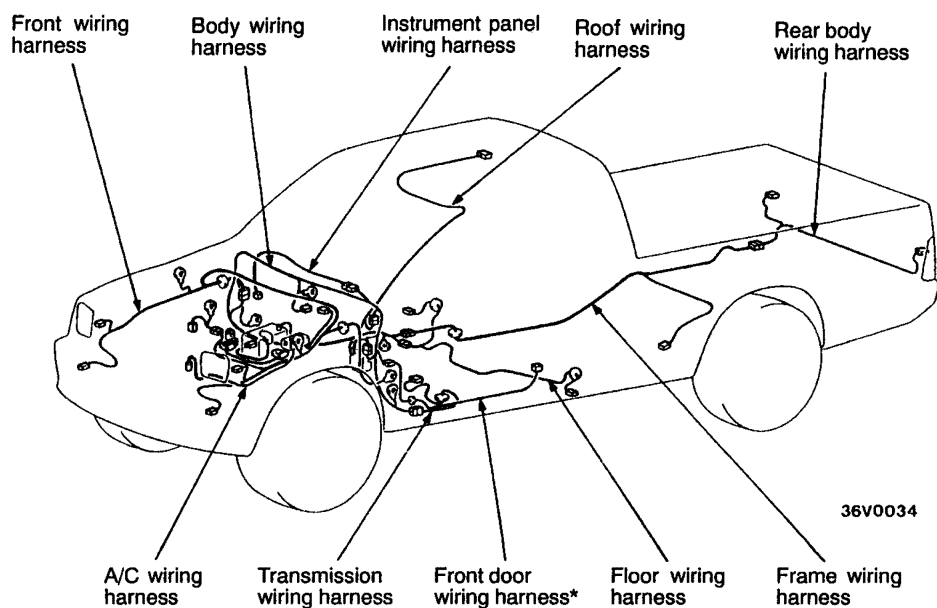


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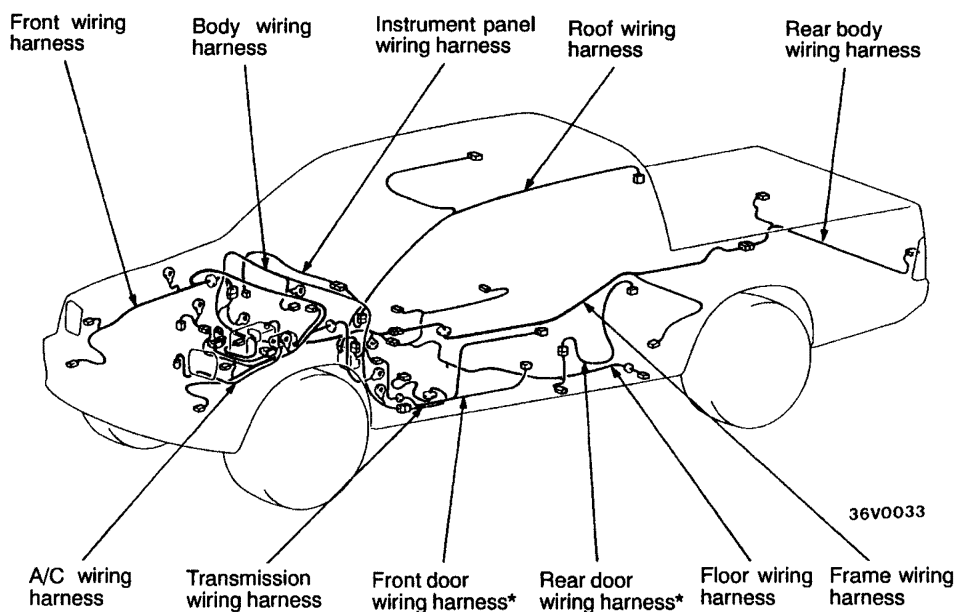
NOTE

- (1) These illustrations show only major wiring harnesses.
- (2) *: also equipped at the right side.

Club cab



Double cab



NOTE

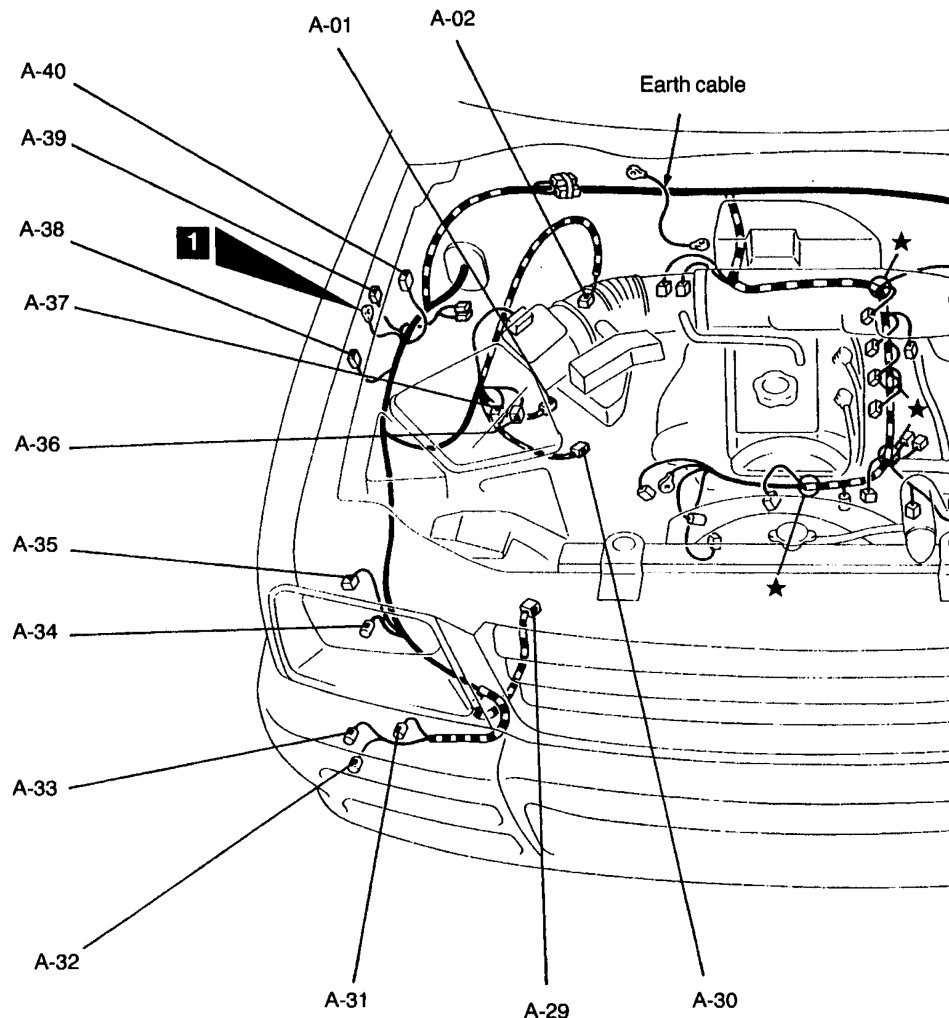
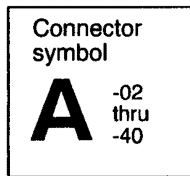
- (1) These illustrations show only major wiring harnesses.
- (2) *: also equipped at the right side.

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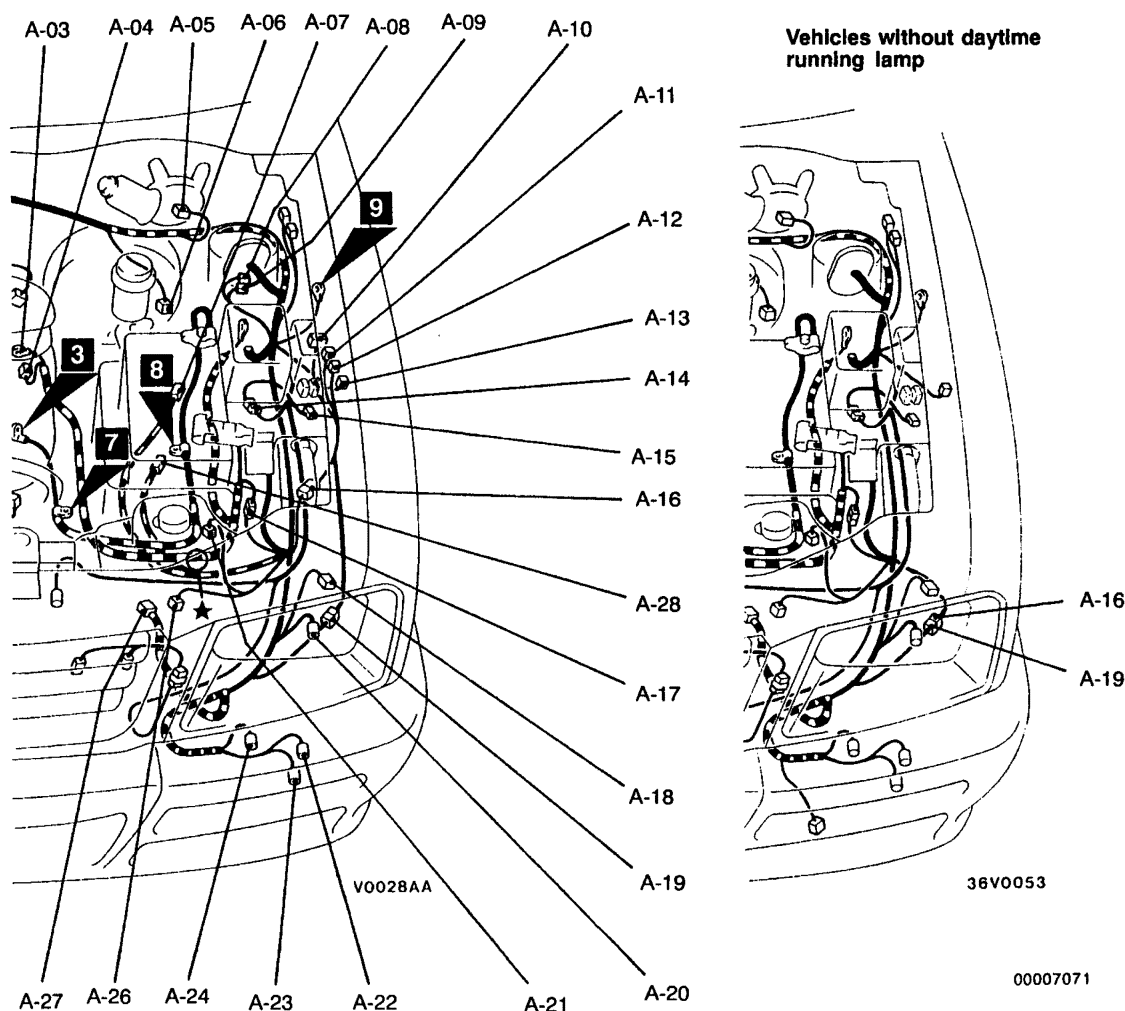
ENGINE COMPARTMENT

80100030607

4G6



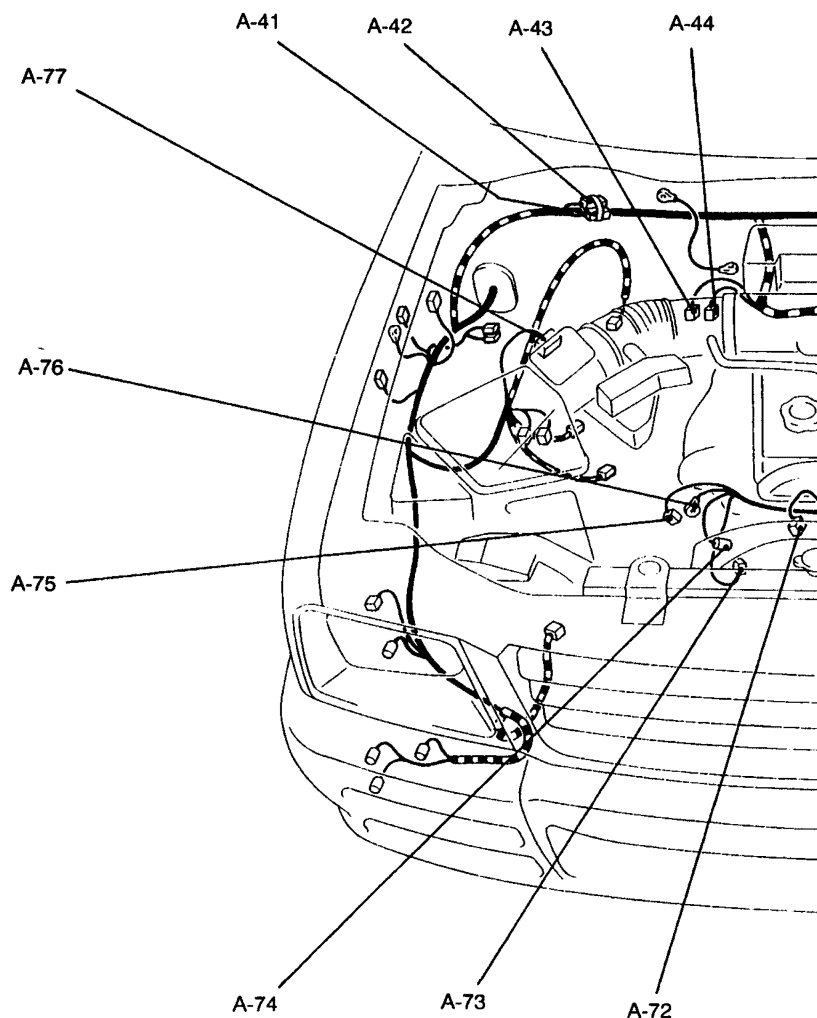
A-01 (2-B)	Wheel speed sensor (front: RH) <2WD-ABS>	A-11 (4-B)	DRL relay 2
A-02 (2-GR)	Free-wheeling hub engage switch <4WD>	A-12 (4-B)	DRL relay 1
A-03 (1)	Starter	A-13 (4-B)	Rear fog lamp relay
A-04 (1-B)	Starter	A-14 (6-L)	A/C wiring harness and front wiring harness combination <A/C>
A-05 (4-B)	Windshield wiper motor	A-15 (6-B)	Headlamp washer relay
A-06 (2-B)	Brake fluid level sensor	A-16 (10-B)	DRL wiring harness or front wiring harness and front wiring harness com- bination
A-07 (2-B)	Wheel speed sensor (front: LH) <2WD-ABS>	A-17 (1-B)	Battery cable wiring harness and front wiring harness combination
A-08 (2-B)	ABS hydraulic unit	A-18 (3)	Headlamp leveling unit (LH)
A-09 (10-B)	ABS hydraulic unit		
A-10 (12-B)	DRL-ECU		



00007071

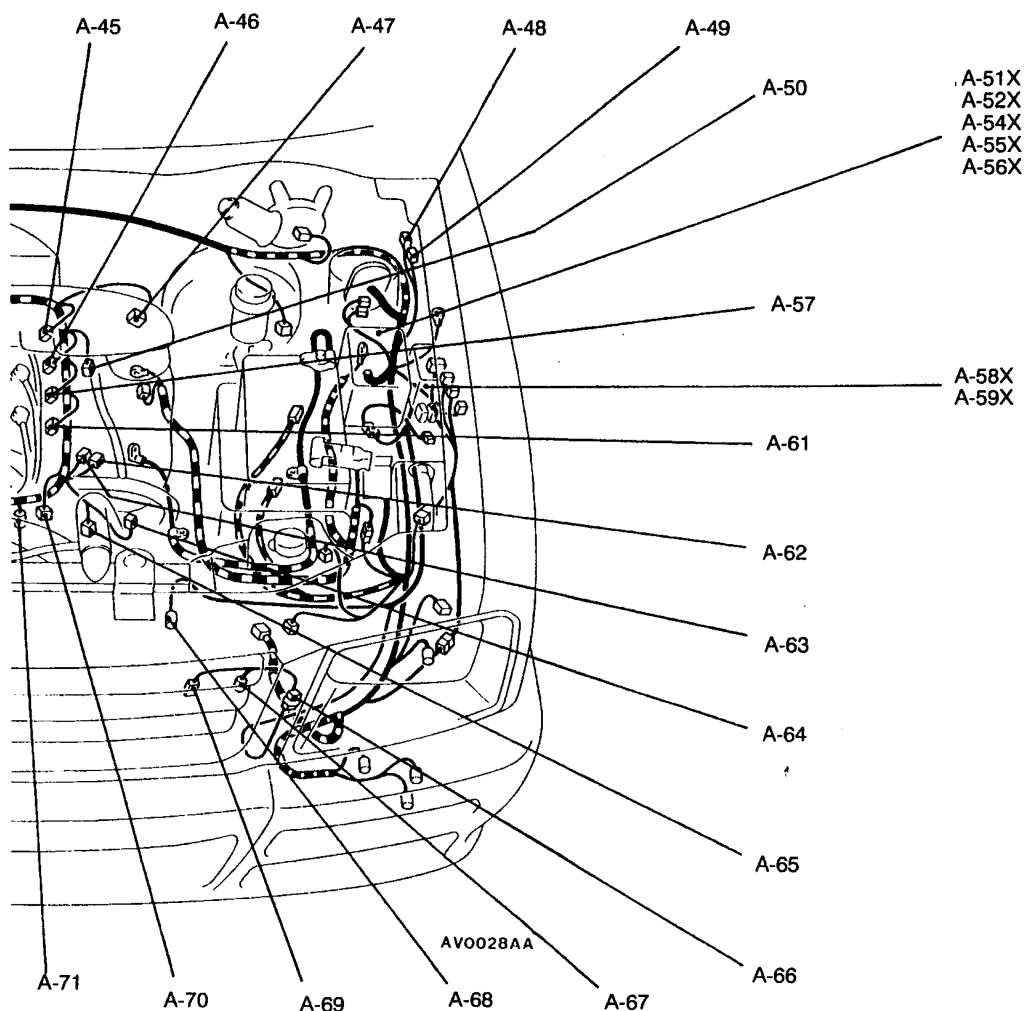
A-19 (10-B)	DRL wiring harness or front wiring harness and front wiring harness combination	A-30 (2-B)	Wheel speed sensor (front: RH) <4WD-ABS>
A-20 (3-B)	Headlamp (LH)	A-31 (3-B)	Front combination lamp (RH)
A-21 (2-B)	Headlamp washer motor	A-32 (1)	Horn (HI)
A-22 (1)	Horn (LO)	A-33 (1)	Horn (HI)
A-23 (1)	Horn (LO)	A-34 (3-B)	Headlamp (RH)
A-24 (3-B)	Front combination lamp (LH)	A-35 (3)	Headlamp leveling unit (RH)
A-26 (2-B)	Windshield washer motor	A-36 (2-B)	Solenoid valve 1 <4WD>
A-27 (2-R)	Front impact sensor (LH) <SRS>	A-37 (2-B)	Solenoid valve 2 <4WD>
A-28 (2-B)	Wheel speed sensor (front: LH) <4WD-ABS>	A-38 (5-B)	ABS motor relay
A-29 (2-R)	Front impact sensor (RH) <SRS>	A-39 (6-B)	ABS valve relay
		A-40 (4-B)	Horn relay <SRS>

4G6

Connector
symbol**A** -41
thru
-77

A-41 (1-B) Fuel pump check connector
 A-42 (1-BR) Ignition timing adjustment connector
 A-43 (1) Engine coolant temperature switch <A/T>
 A-44 (1-B) Engine coolant temperature gauge unit
 A-45 (2-GR) Injector 4
 A-46 (2-GR) Injector 3
 A-47 (4-B) Throttle position sensor
 A-48 (2-B) Purge control solenoid valve
 A-49 (2-B) EGR solenoid valve

A-50 (6-B) Idle speed control servo
 A-51X (4) Alternator relay
 A-52X (5) Starter relay <A/T>
 A-54X (5) Headlamp relay
 A-55X (5) Tail lamp relay
 A-56X (2) Storage connector
 A-57 (2-GR) Injector 2
 A-58X (4) A/C compressor relay
 A-59X (4) Condenser fan relay

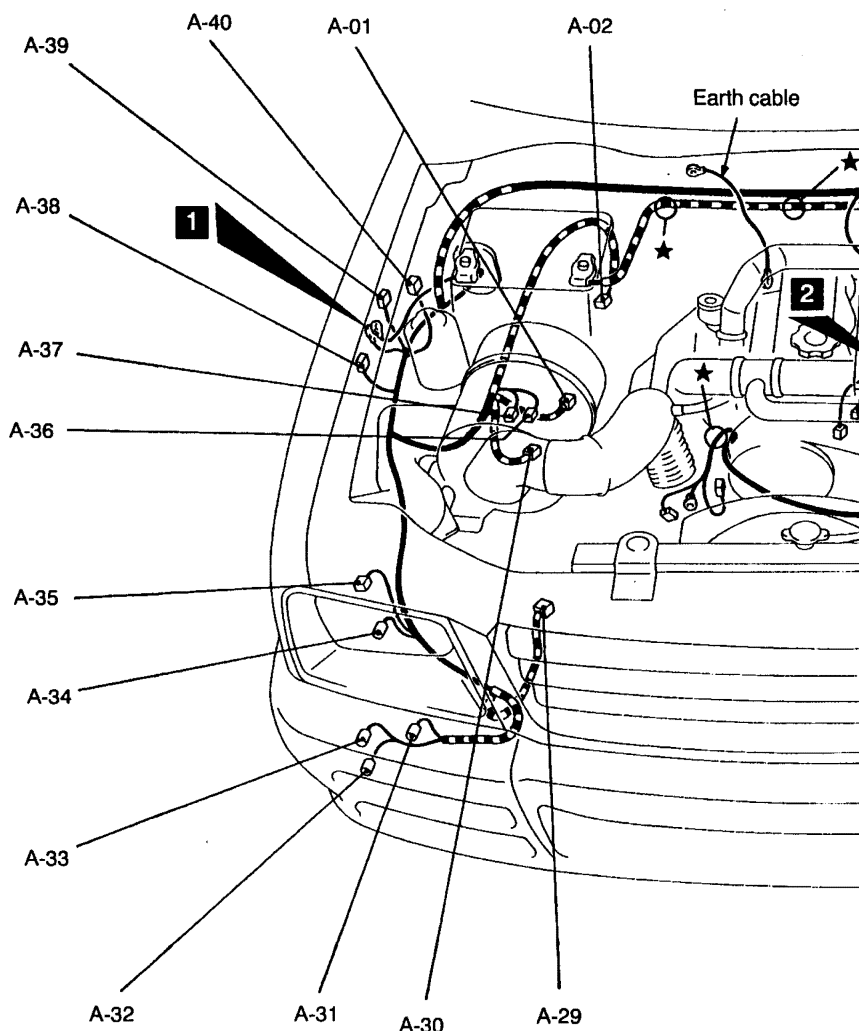


A-61 (2-GR)	Injector 1	A-70 (3-B)	Power transistor
A-62 (1-B)	Noise filter	A-71 (1-B)	Capacitor
A-63 (1-BR)	Noise filter	A-72 (4-L)	Distributor assembly
A-64 (2-B)	Engine coolant temperature sensor	A-73 (1-B)	Oil pressure switch
A-65 (2-B)	Ignition coil	A-74 (1)	Power steering oil pressure switch
A-66 (2)	Capacitor <A/C>	A-75 (2-B)	Alternator
A-67 (2)	Dual pressure switch <A/C>	A-76 (1)	Alternator
A-68 (1)	Magnetic clutch <A/C>	A-77 (8-B)	Air flow sensor
A-69 (2)	Condenser fan motor <A/C>		

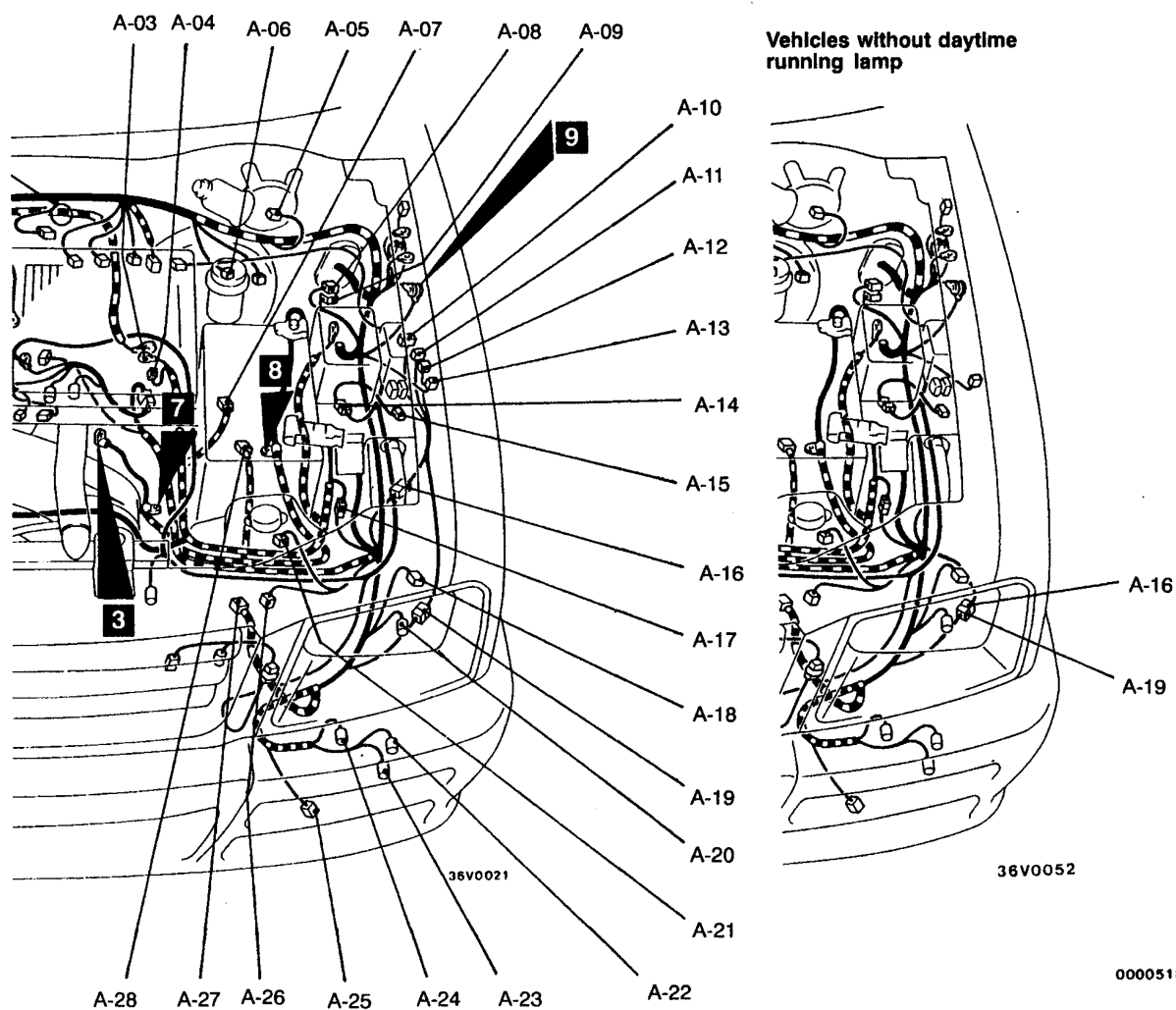
ENGINE COMPARTMENT

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4D56 <L.H. drive vehicles>

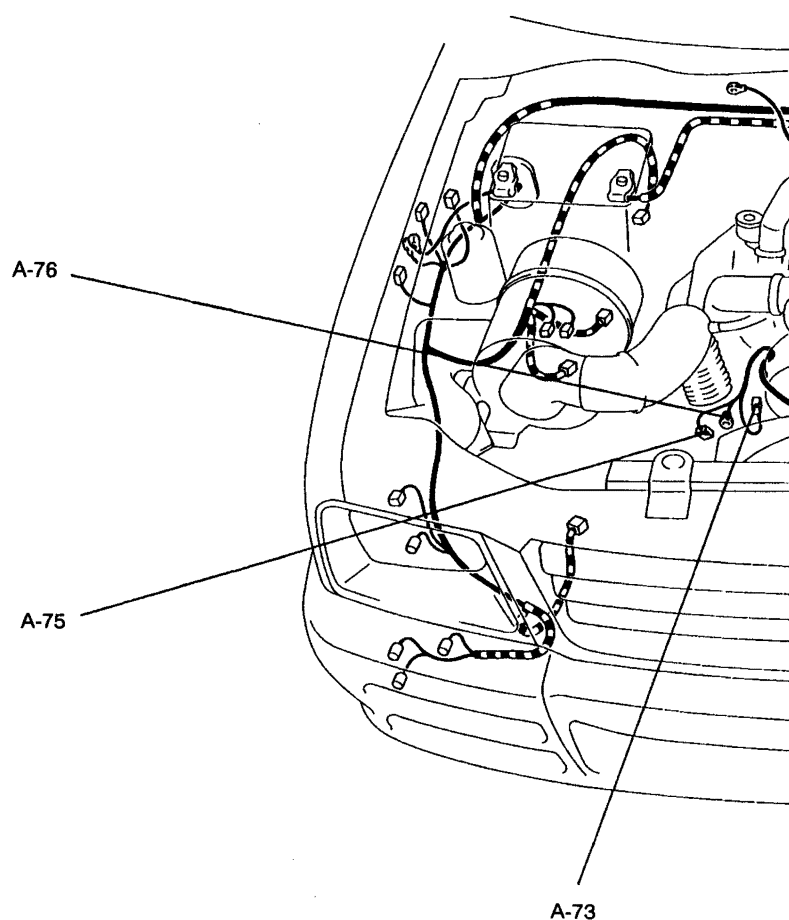
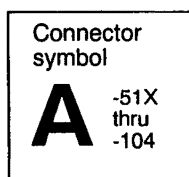
Connector
symbol**A**-01
thru
-47

A-01 (2-B)	Wheel speed sensor (front: RH) <2WD-ABS>	A-13 (4-B)	Rear fog lamp relay
A-02 (2-GR)	Free-wheeling hub engage switch <4WD>	A-14 (6-L)	A/C wiring harness and front wiring harness combination <A/C>
A-03 (1)	Starter	A-15 (6-B)	Headlamp washer relay
A-04 (1-B)	Starter	A-16 (10-B)	DRL wiring harness or front wiring harness and front wiring harness com- bination
A-05 (4-B)	Windshield wiper motor	A-17 (4-B)	Battery cable wiring harness and front wiring harness combination
A-06 (2-B)	Brake fluid level sensor	A-18 (3)	Headlamp leveling unit (LH)
A-07 (2-B)	Wheel speed sensor (front: LH) <2WD-ABS>	A-19 (10-B)	DRL wiring harness or front wiring harness and front wiring harness com- bination
A-08 (2-B)	ABS hydraulic unit	A-20 (3-B)	Headlamp (LH)
A-09 (10-B)	ABS hydraulic unit		
A-10 (12-B)	DRL-ECU		
A-11 (4-B)	DRL relay 2		
A-12 (4-B)	DRL relay 1		



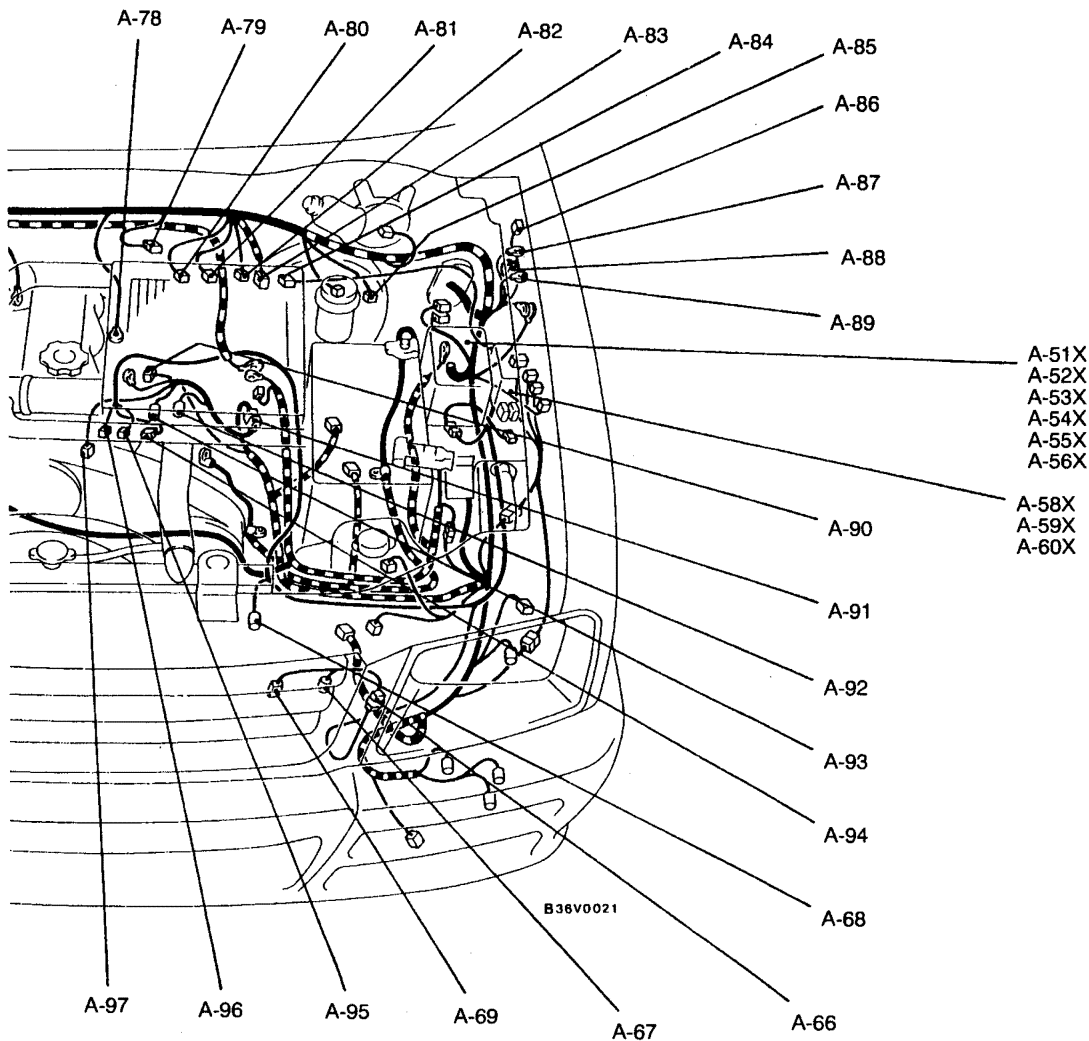
A-21 (2-B)	Headlamp washer motor	A-31 (3-B)	Front combination lamp (RH)
A-22 (1)	Horn (LO)	A-32 (1)	Horn (HI)
A-23 (1)	Horn (LO)	A-33 (1)	Horn (HI)
A-24 (3-B)	Front combination lamp (LH)	A-34 (3-B)	Headlamp (RH)
A-25 (2-B)	Outside thermo sensor or no connection	A-35 (3)	Headlamp leveling unit (RH)
A-26 (2-B)	Windshield washer motor	A-36 (2-B)	Solenoid valve 1 <4WD>
A-27 (2-R)	Front impact sensor (LH) <SRS>	A-37 (2-B)	Solenoid valve 2 <4WD>
A-28 (2-B)	Wheel speed sensor (front: LH) <4WD-ABS>	A-38 (5-B)	ABS motor relay
A-29 (2-R)	Front impact sensor (RH) <SRS>	A-39 (6-B)	ABS valve relay
A-30 (2-B)	Wheel speed sensor (front: RH) <4WD-ABS>	A-40 (4-B)	Horn relay <SRS>

4D56 <L.H. drive vehicles>



A-51X (4) Alternator relay
 A-52X (5) Starter relay
 A-53X (5) Intercooler fan relay
 A-54X (5) Headlamp relay
 A-55X (5) Tail lamp relay
 A-56X (2) Storage connector
 A-58X (4) A/C compressor relay
 A-59X (4) Condenser fan relay
 A-60X (4) Condenser fan control relay

A-66 (2) Capacitor <A/C>
 A-67 (2) Dual pressure switch <A/C>
 A-68 (1) Magnetic clutch <A/C>
 A-69 (2) Condenser fan motor <A/C>
 A-73 (1-B) Oil pressure switch
 A-75 (2-B) Alternator
 A-76 (1) Alternator
 A-78 (1) Glow plug
 A-79 (2-B) Idle-up solenoid valve <ABS-M/T>

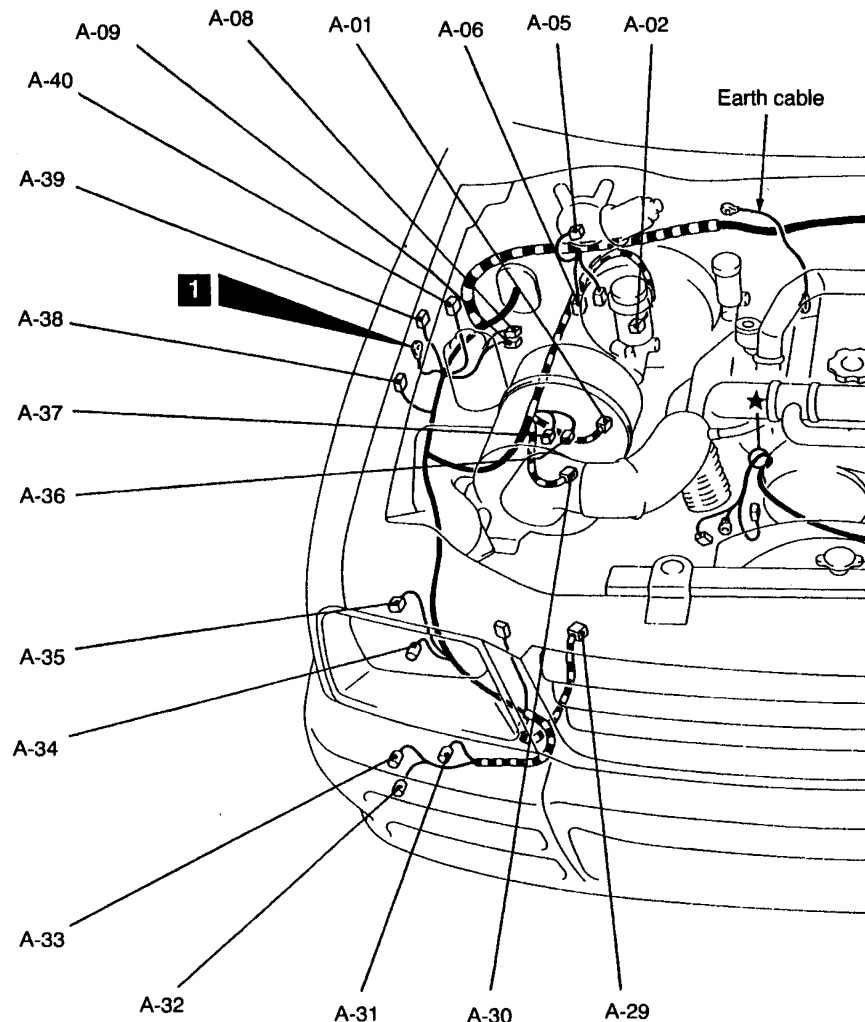
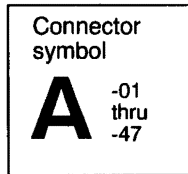


A-80 (2-BR)	Intake air temperature switch	A-92 (1)	Fuel cut solenoid valve
A-81 (2-B)	Intercooler fan motor	A-93 (2)	Revolution pick-up sensor
A-82 (2-GR)	Fuel line heater	A-94 (1)	Lever (throttle) position switch <A/C-A/T>
A-83 (2-B)	Water level switch	A-95 (2)	Engine coolant temperature switch (for A/C compressor control)
A-84 (2)	Idle-up solenoid valve <A/C>	A-96 (1)	Engine coolant temperature switch (for condenser fan control)
A-85 (2-B)	Vacuum switch	A-97 (2)	Engine coolant temperature sensor and gauge unit
A-86 (4-B)	Fuel line heater relay		
A-87 (1)	Glow plug relay		
A-88 (1-B)	Glow plug relay		
A-89 (1)	Glow plug relay		
A-90 (3-B)	Fuel cut valve ECU		
A-91 (6-B)	Fuel injection pump wiring harness and front wiring harness combination		

ENGINE COMPARTMENT

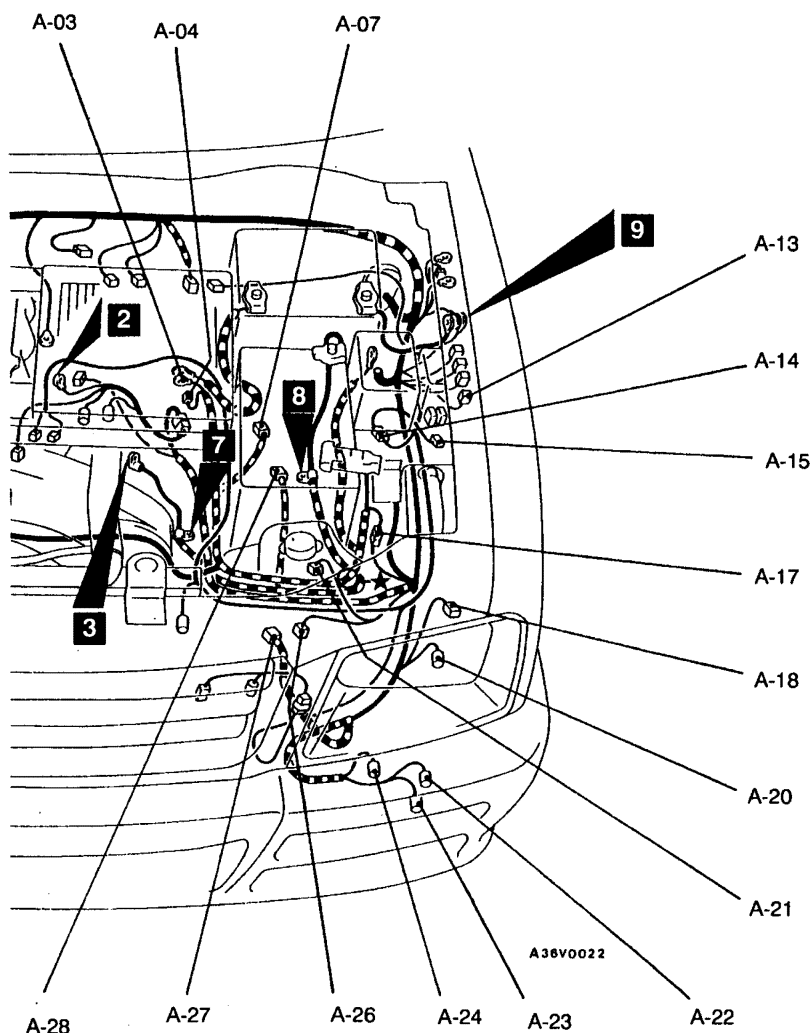
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4D56 <R.H. drive vehicles>



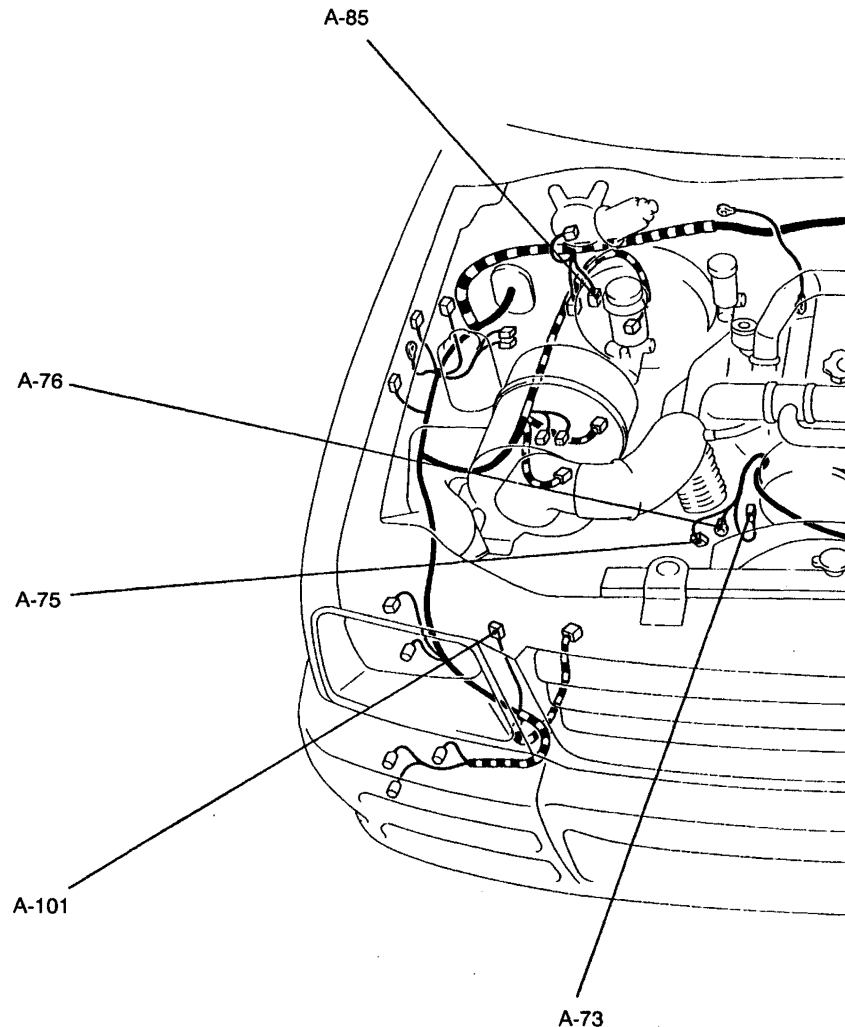
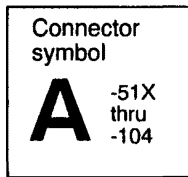
A-01 (2-B) Wheel speed sensor (front: RH)
<2WD-ABS>
A-02 (2-GR) Free-wheeling hub engage switch
<4WD>
A-03 (1) Starter
A-04 (1-B) Starter
A-05 (4-B) Windshield wiper motor
A-06 (2-B) Brake fluid level sensor
A-07 (2-B) Wheel speed sensor (front: LH)
<2WD-ABS>

A-08 (2-B) ABS hydraulic unit
A-09 (10-B) ABS hydraulic unit
A-13 (4-B) Rear fog lamp relay
A-14 (6-L) A/C wiring harness and front wiring
harness combination <A/C>
A-15 (6-B) Headlamp washer relay
A-17 (4-B) Battery cable wiring harness and front
wiring harness combination
A-18 (3) Headlamp leveling unit (LH)
A-20 (3-B) Headlamp (LH)



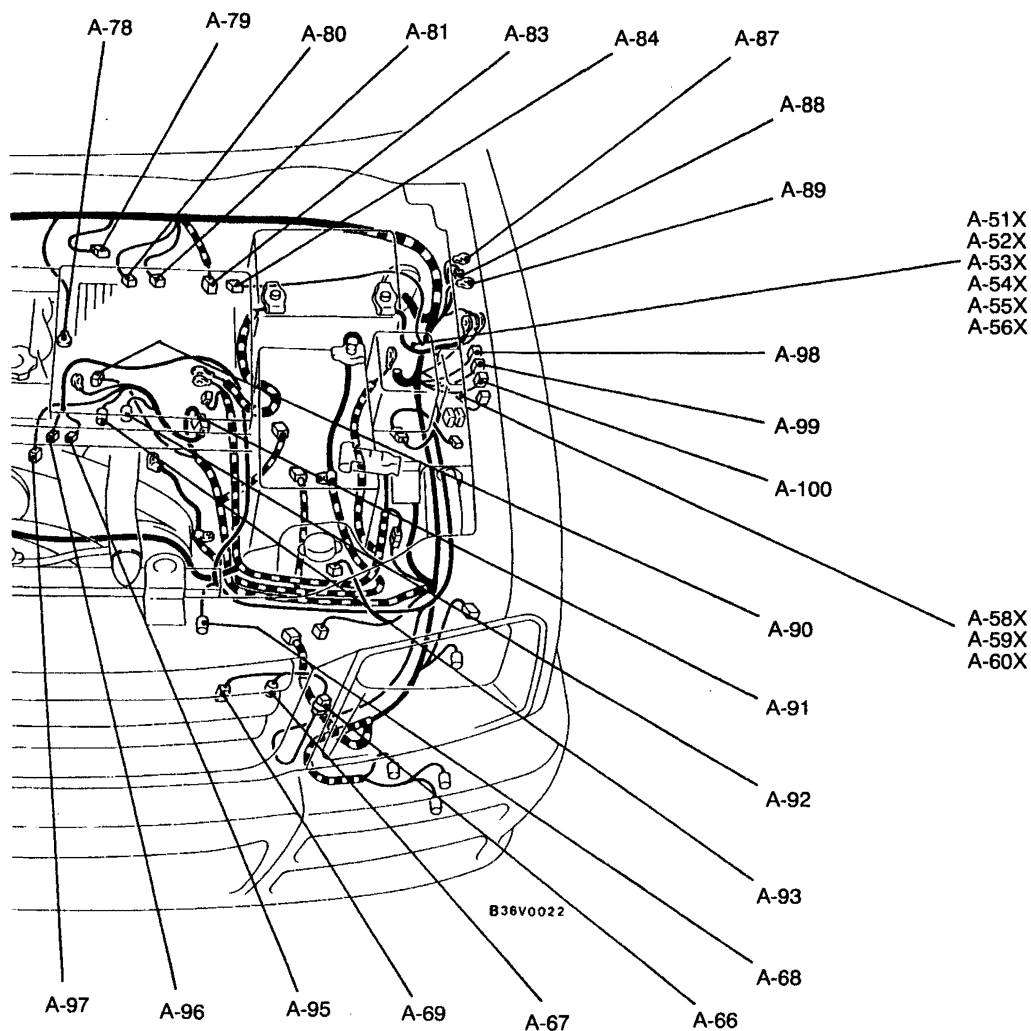
A-21 (2-B)	Headlamp washer motor	A-31 (3-B)	Front combination lamp (RH)
A-22 (1)	Horn (LO)	A-32 (1)	Horn (HI)
A-23 (1)	Horn (LO)	A-33 (1)	Horn (HI)
A-24 (3-B)	Front combination lamp (LH)	A-34 (3-B)	Headlamp (RH)
A-26 (2-B)	Windshield washer motor	A-35 (3)	Headlamp leveling unit (RH)
A-27 (2-R)	Front impact sensor (LH) <SRS>	A-36 (2-B)	Solenoid valve 1 <4WD>
A-28 (2-B)	Wheel speed sensor (front: LH)	A-37 (2-B)	Solenoid valve 2 <4WD>
	<4WD-ABS>	A-38 (5-B)	ABS motor relay
A-29 (2-R)	Front impact sensor (RH) <SRS>	A-39 (6-B)	ABS valve relay
A-30 (2-B)	Wheel speed sensor (front: RH)	A-40 (4-B)	Horn relay <SRS>
	<4WD-ABS>		

4D56 <R.H. drive vehicles>



A-51X (4) Alternator relay
 A-52X (5) Starter relay
 A-53X (5) Intercooler fan relay
 A-54X (5) Headlamp relay
 A-55X (5) Tail lamp relay
 A-56X (2) Storage connector
 A-58X (4) A/C compressor relay
 A-59X (4) Condenser fan relay
 A-60X (4) Condenser fan control relay
 A-66 (2) Capacitor <A/C>
 A-67 (2) Dual pressure switch <A/C>

A-68 (1) Magnetic clutch <A/C>
 A-69 (2) Condenser fan motor <A/C>
 A-73 (1-B) Oil pressure switch
 A-75 (2-B) Alternator
 A-76 (1) Alternator
 A-78 (1) Glow plug
 A-79 (2-B) Idle-up solenoid valve <ABS-M/T>
 A-80 (2-BR) Intake air temperature switch
 A-81 (2-B) Intercooler fan motor
 A-83 (2-B) Water level switch

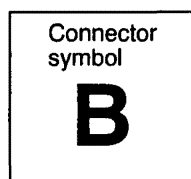


A-84 (2) Idle-up solenoid valve <A/C>
 A-85 (2-B) Vacuum switch
 A-87 (1) Glow plug relay
 A-88 (1-B) Glow plug relay
 A-89 (1) Glow plug relay
 A-90 (3-B) Fuel cut valve ECU
 A-91 (6-B) Fuel injection pump wiring harness and front wiring harness combination
 A-92 (1) Fuel cut solenoid valve
 A-93 (2) Revolution pick-up sensor

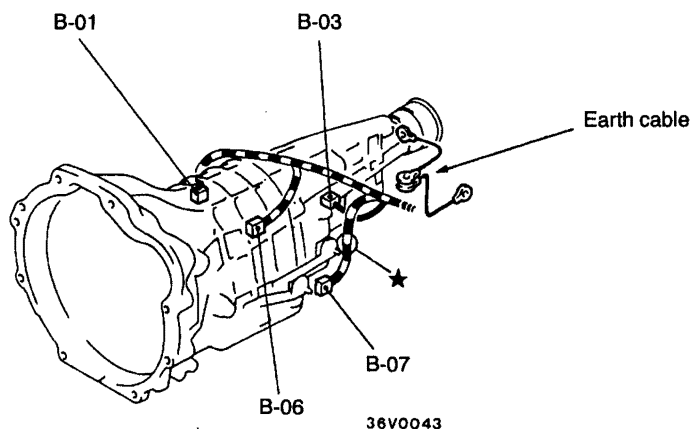
A-95 (2) Engine coolant temperature switch (for A/C compressor control)
 A-96 (1) Engine coolant temperature switch (for condenser fan control)
 A-97 (2) Engine coolant temperature sensor and gauge unit
 A-98 (4-G) Dim-dip lamp relay 3
 A-99 (4-BR) Dim-dip lamp relay 2
 A-100 (4-B) Dim-dip lamp relay 1
 A-101 (2-B) Dim-dip lamp resistor

TRANSMISSION

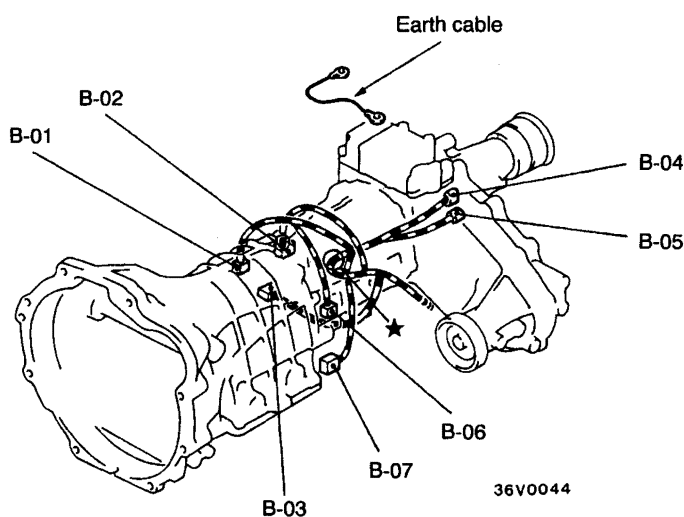
80100050030



<2WD>



<4WD>



00005008

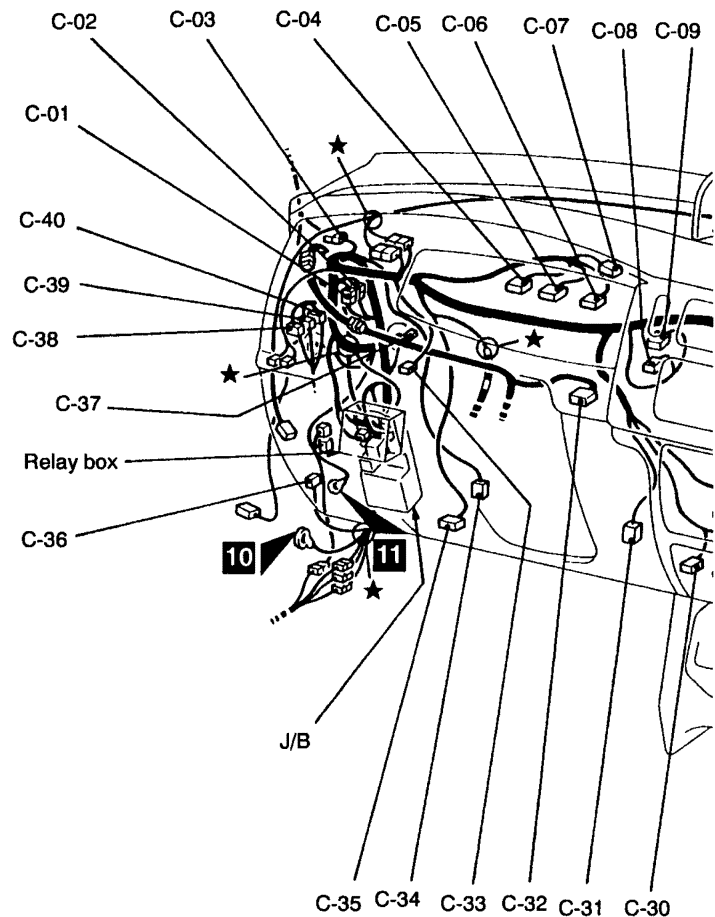
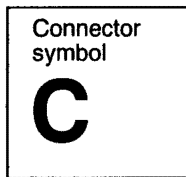
B-01 (10-GR) Inhibitor switch <A/T>
 B-02 (2-B) Back-up lamp switch <Diesel 4WD>
 B-03 (4-B) Oxygen sensor <MPI>
 B-04 (2-B) 4WD detection switch

B-05 (2-GR) High range/Low range detection switch
 B-06 (4-B) Overdrive solenoid valve <A/T>
 B-07 (2-B) Back-up lamp switch
 <Except diesel 4WD>

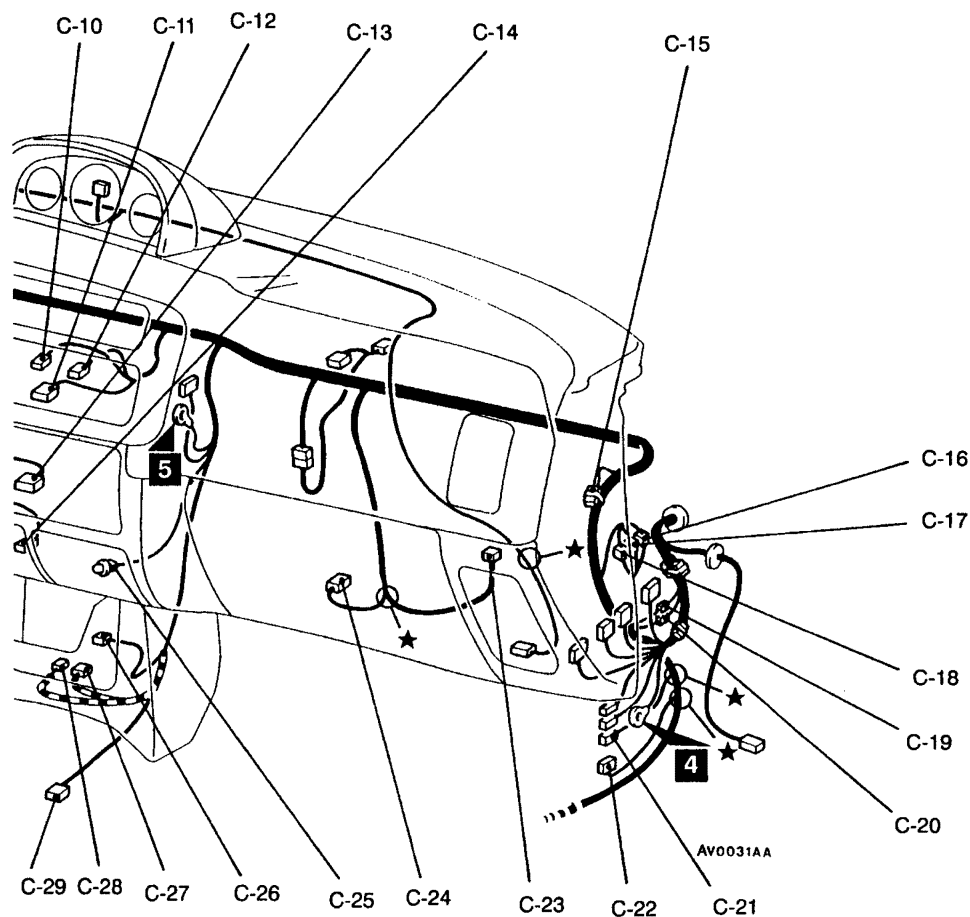
NOTES

DASH PANEL

L.H. drive vehicles

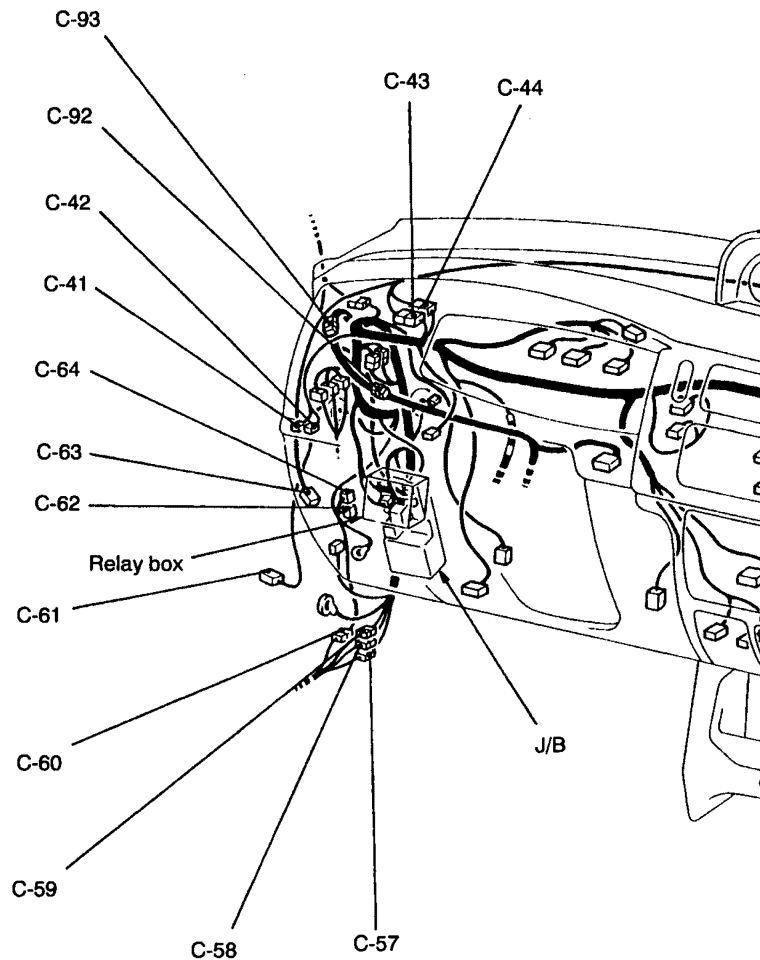
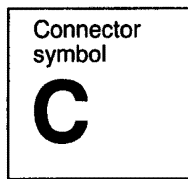


C-01 (22)	Body wiring harness and front wiring harness combination	C-12 (10)	Blower switch
C-02 (17)	Body wiring harness and front wiring harness combination	C-13 (14)	Radio and tape player
C-03 (1)	Body wiring harness and roof wiring harness combination or no connection	C-14 (2)	Cigarette lighter
C-04 (14)	Combination meter	C-15 (1)	No connection (reed switch)
C-05 (10)	Combination meter	C-16 (5)	Body wiring harness and front door wiring harness (passenger's side) combination
C-06 (14-B)	Combination meter	C-17 (6)	Body wiring harness and front door wiring harness (passenger's side) combination
C-07 (1-B)	Combination meter	C-18 (7)	Body wiring harness and front door wiring harness (passenger's side) combination
C-08 (6)	Defogger switch or no connection	C-19 (18)	Body wiring harness and front wiring harness combination <Petrol>
C-09 (10)	Hazard switch	C-19 (14)	Body wiring harness and front wiring harness combination <Diesel>
C-10 (6)	A/C switch		
C-11 (4)	Clock		



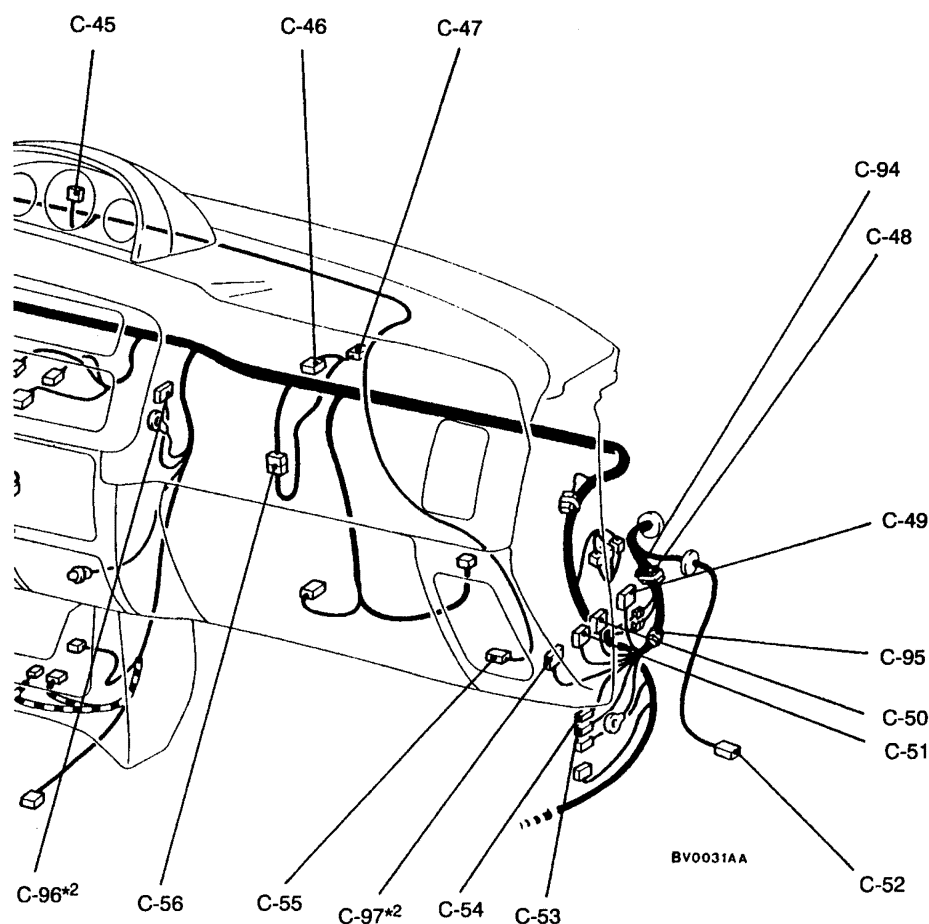
C-20 (7)	Body wiring harness and front wiring harness combination	C-32 (4)	Headlamp leveling switch
C-21 (10-B)	Rear differential lock-ECU	C-33 (8)	Rear differential lock switch
C-22 (10)	4WD indicator-ECU	C-34 (2)	Stop lamp switch
C-23 (2-L)	Blower motor	C-35 (16-B)	Diagnosis connector
C-24 (4-L)	Blower resistor	C-36 (16-B)	Immobilizer-ECU
C-25 (2)	Ashtray illumination lamp	C-37 (8)	Overdrive control relay
C-26 (3-B)	G sensor <ABS>	C-38 (7)	Body wiring harness and front door wiring harness (driver's side) combination
C-27 (14-R)	SRS diagnosis unit	C-39 (10)	Body wiring harness and front door wiring harness (driver's side) combination
C-28 (2-R)	SRS diagnosis unit	C-40 (7-B)	Body wiring harness and front door wiring harness (driver's side) combination
C-29 (6)	Overdrive switch		
C-30 (1)	Cigarette lighter		
C-31 (1-B)	Parking brake switch		

L.H. drive vehicles



C-41 (6-B)	Rear fog lamp switch
C-42 (4)	Rheostat or joint connector
C-43 (5)	Body wiring harness and instrument panel wiring harness combination
C-44 (11)	Body wiring harness and instrument panel wiring harness combination
C-45 (14)	Multi-meter
C-46 (3)	Thermostat
C-47 (8)	Compressor-ECU
C-48 (2-B)	Diode (for ABS circuit)

C-49 (26-Y)	Engine-ECU <Petrol>
C-49 (13)	Glow-ECU <Diesel>
C-50 (16-Y)	Engine-ECU <Petrol>
C-51*1 (22-Y)	Engine-ECU <Petrol>
C-51*2 (12-Y)	Engine-ECU <Petrol>
C-52 (2-BR)	Side turn signal lamp (RH)
C-53 (4)	Engine control relay <Petrol>
C-53 (4-BR)	Intercooler fan-ECU <Diesel>
C-54 (4)	Fuel pump relay <Petrol>

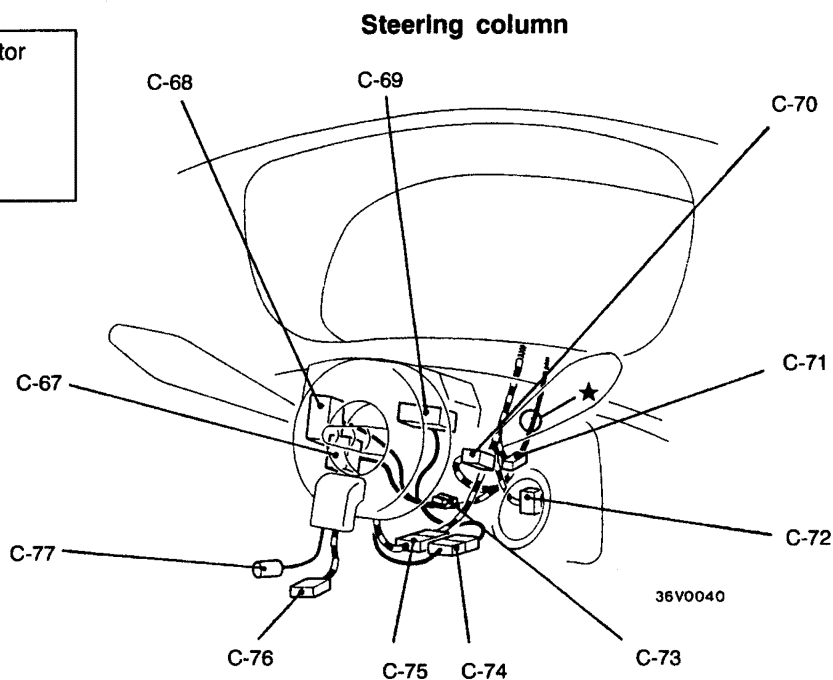
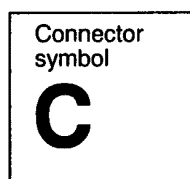
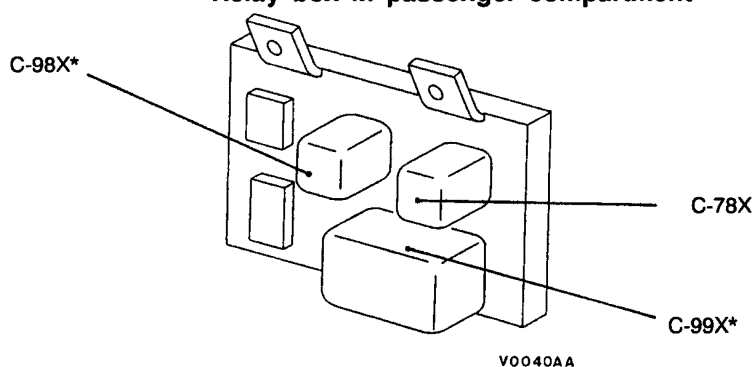


C-55 (2-B)	Front speaker (RH)
C-56 (12)	Thermostat wiring harness and body wiring harness combination
C-57 (20)	Body wiring harness and transmission wiring harness combination
C-58 (3)	Body wiring harness and transmission wiring harness combination
C-59 (2)	Body wiring harness and transmission wiring harness combination
C-60 (6)	Front wiring harness and transmission wiring harness combination
C-61 (2-BR)	Side turn signal lamp (LH)
C-62 (26-Y)	ABS-ECU

C-63 (2-B)	Front speaker (LH)
C-64 (22-Y)	ABS-ECU
C-92 (19-GR)	J/C (1)
C-93 (19-GR)	J/C (2)
C-94 (19-GR)	J/C (3)
C-95 (19-GR)	J/C (4)
C-96*2 (4)	Defogger relay <Vehicles with defogger timer>
A-97*2(22-Y)	Engine-ECU <Petrol>
Remarks	
(1)	*1: 1997Models
(2)	*2: 1998Models

DASH PANEL

L.H. drive vehicles

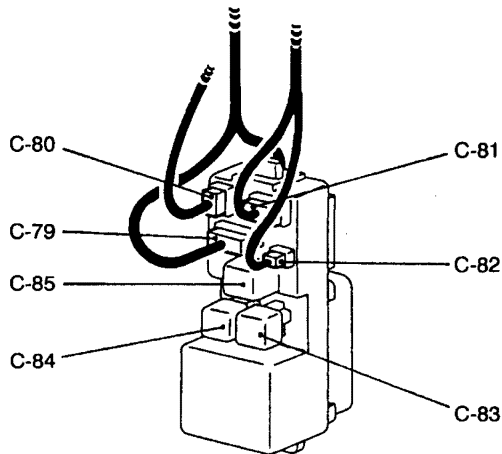
**Relay box in passenger compartment**

00006902

C-67 (6)	Column switch	C-74 (3)	Clock spring <SRS>
C-68 (12)	Column switch	C-75 (2-R)	Clock spring <SRS>
C-69 (10)	Column switch	C-76 (2)	Air bag module (squib)
C-70 (6-B)	Ignition switch	C-77 (1)	Horn switch
C-71 (2)	Ignition key ring antenna	C-78X (4)	Power window relay
C-72 (7)	Key reminder switch		
C-73 (2-B)	Diode (for headlamp and rear fog lamp circuit)		

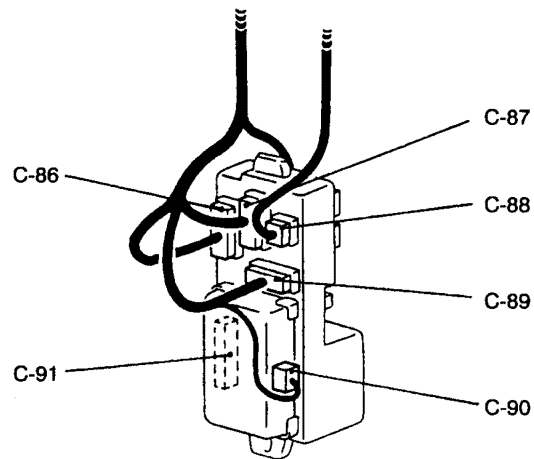
Junction block

<Front side view>



36V0039

<Rear side view>



36V0038

00005010

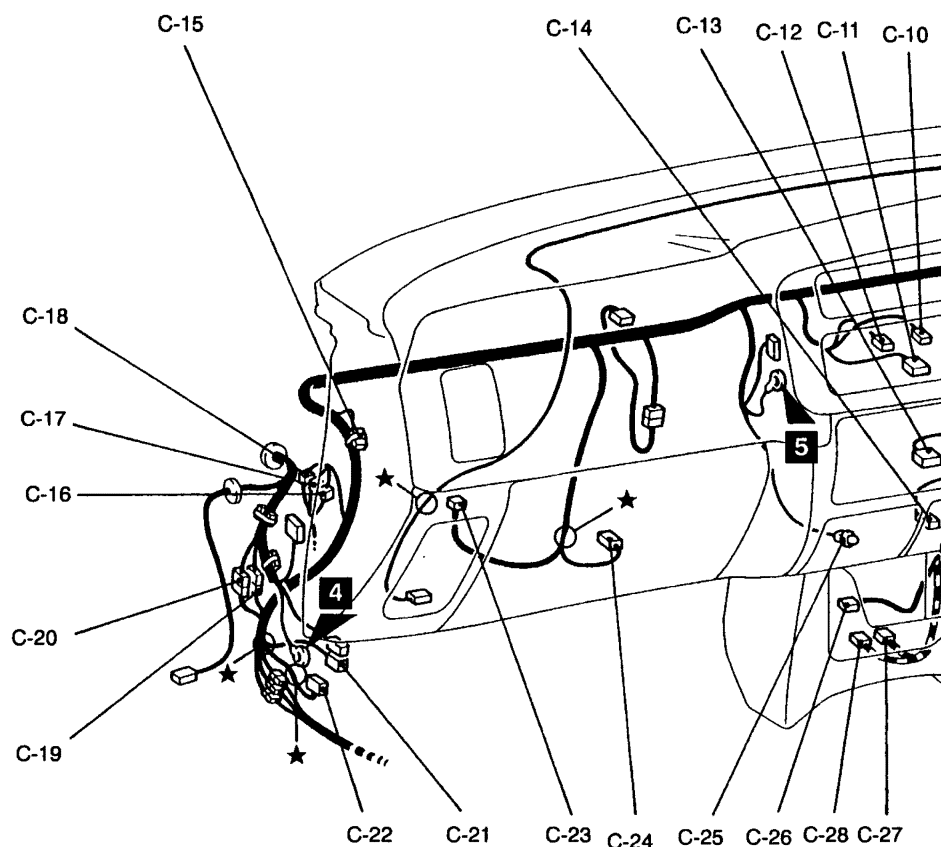
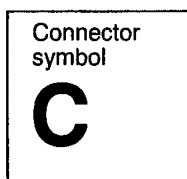
C-79 (16)	Body wiring harness and J/B combination
C-80 (2)	Roof wiring harness and J/B combination
C-81 (12)	Front wiring harness and J/B combination
C-82 (1)	Front wiring harness and J/B combination
C-83 (5)	Blower relay
C-84 (5)	Defogger relay
	<Vehicles without defogger>
C-85 (3)	Turn signal and hazard warning flasher unit
C-86 (20)	Body wiring harness and J/B combination

C-87 (16-B)	Body wiring harness and J/B combination
C-88 (4)	Front wiring harness and J/B combination
C-89 (8)	Body wiring harness and J/B combination
C-90 (8)	ETACS-ECU
C-91 (12)	ETACS-ECU or buzzer-ECU
C-98X* (4)	Rear heater relay
C-99X* (6)	Defogger timer
Remark	
*: 1998Models	

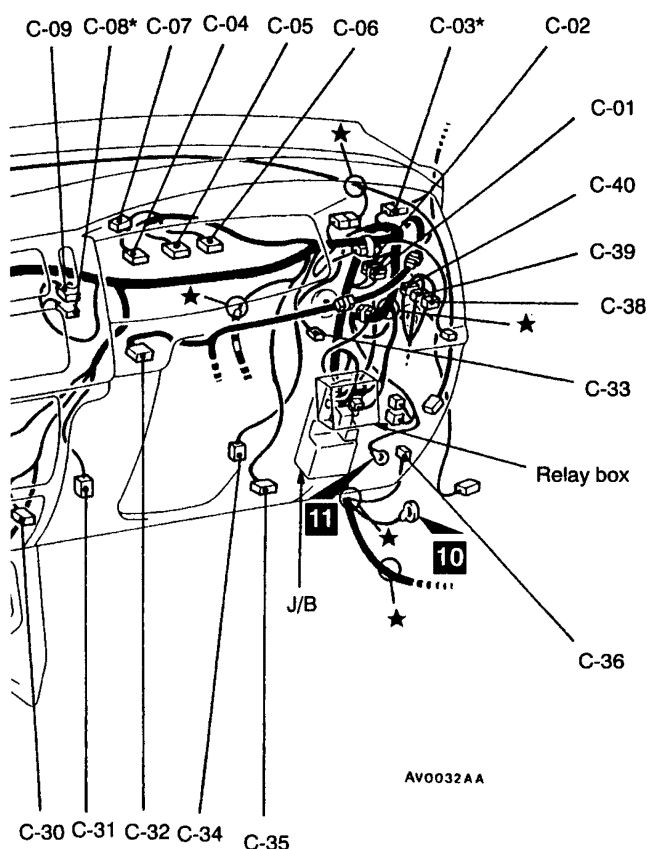
DASH PANEL

80100060644

R.H. drive vehicles



C-01 (22)	Body wiring harness and front wiring harness combination	C-11 (4)	Clock
C-02 (17)	Body wiring harness and front wiring harness combination	C-12 (10)	Blower switch
C-03* (1)	Body wiring harness and roof wiring harness combination or no connection	C-13 (14)	Radio and tape player
C-04 (14)	Combination meter	C-14 (2)	Cigarette lighter
C-05 (10)	Combination meter	C-15 (1)	No connection (reed switch)
C-06 (14-B)	Combination meter	C-16 (5)	Body wiring harness and front door wiring harness (passenger's side) combination
C-07 (1-B)	Combination meter	C-17 (6)	Body wiring harness and front door wiring harness (passenger's side) combination
C-08* (6)	Defogger switch or no connection	C-18 (7)	Body wiring harness and front door wiring harness (passenger's side) combination
C-09 (10)	Hazard switch	C-19 (14)	Body wiring harness and front wiring harness combination
C-10 (6)	A/C switch		

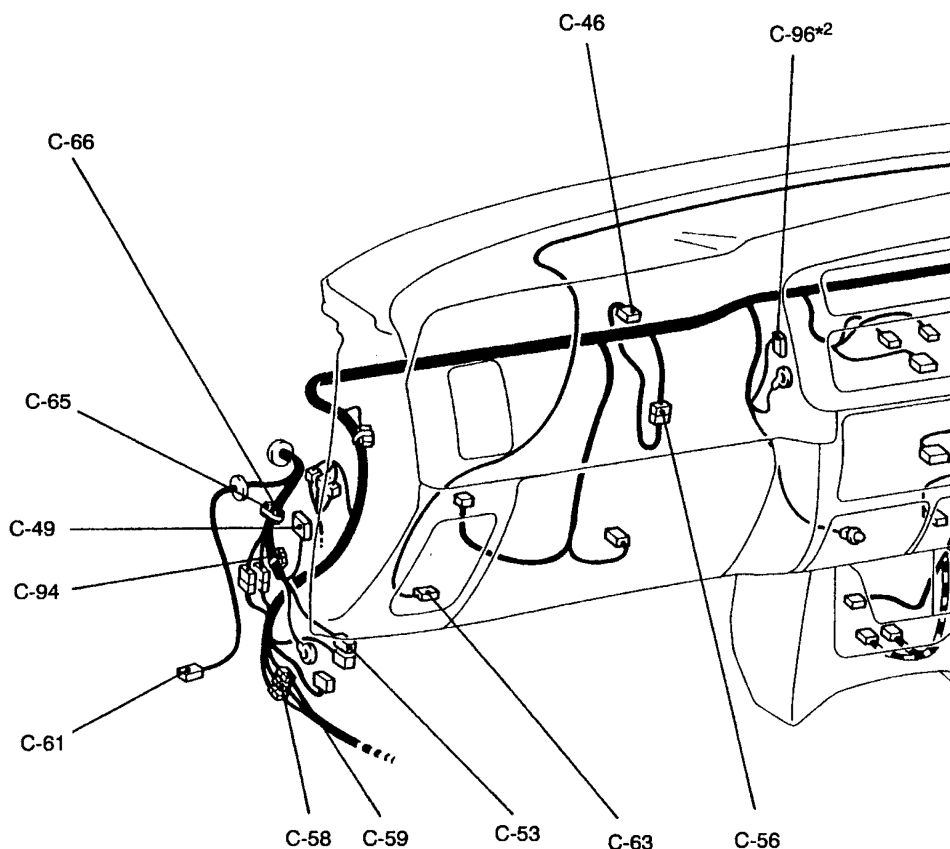
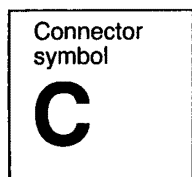


C-20 (7)	Body wiring harness and front wiring harness combination
C-21 (10-B)	Rear differential lock-ECU
C-22 (10)	4WD indicator-ECU
C-23 (2)	Blower motor
C-24 (4-L)	Blower resistor
C-25 (2)	Ashtray illumination lamp
C-26 (3-B)	G sensor <ABS>
C-27 (14-R)	SRS diagnosis unit
C-28 (2-R)	SRS diagnosis unit
C-30 (1)	Cigarette lighter
C-31 (1-B)	Parking brake switch
C-32 (4)	Headlamp leveling switch

C-33 (8)	Rear differential lock switch
C-34 (2)	Stop lamp switch
C-35 (16-B)	Diagnosis connector
C-36 (16-B)	Immobilizer-ECU
C-38 (7)	Body wiring harness and front door wiring harness (driver's side) combination
C-39 (10)	Body wiring harness and front door wiring harness (driver's side) combination
C-40 (7-B)	Body wiring harness and front door wiring harness (driver's side) combination

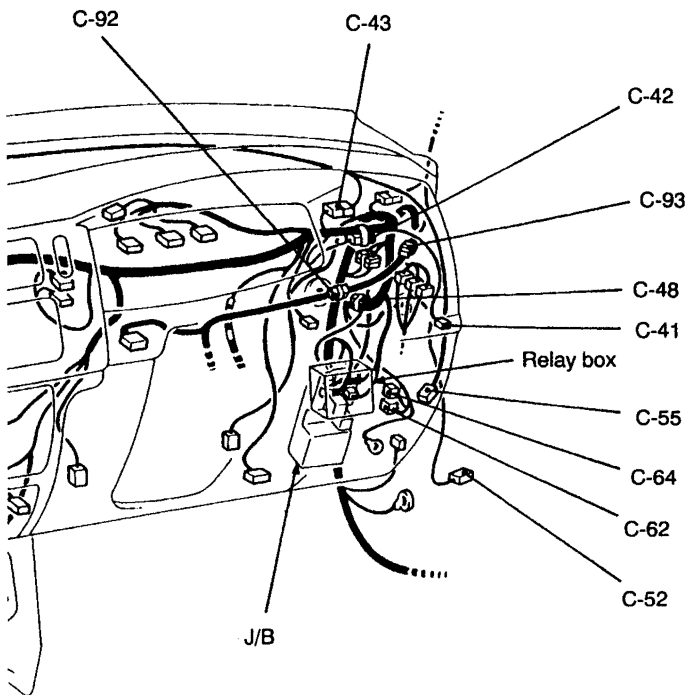
Remark
*: 1998Models

R.H. drive vehicles



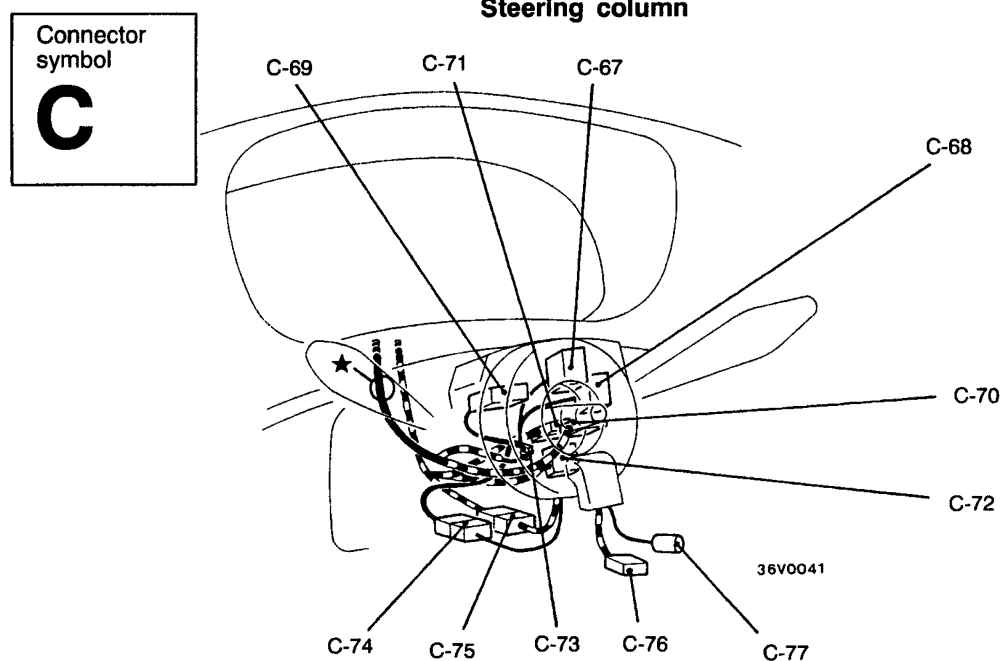
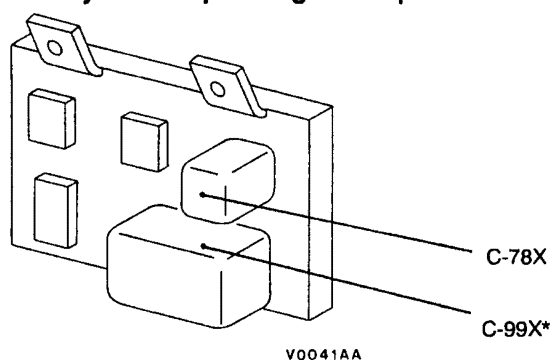
C-41 (6-B) Rear fog lamp switch
 C-42 (4) Joint connector
 C-43 (5) Body wiring harness and instrument panel wiring harness combination
 C-46 (3) Thermostat
 C-48 (2-B) Diode (for ABS circuit)

C-49 (13) Grow-ECU
 C-52 (2-BR) Side turn signal lamp (RH)
 C-53 (4-BR) Intercooler fan-ECU
 C-55 (2-B) Front speaker (RH)
 C-56 (12) Thermostat wiring harness and body wiring harness combination



BV0032AA

C-58 (3)	Body wiring harness and transmission wiring harness combination	C-66 (2-B)	Diode (for dim-dip lamp circuit)
C-59 (2)	Body wiring harness and transmission wiring harness combination	C-92 (19-GR)	J/C (1)
C-61 (2-BR)	Side turn signal lamp (LH)	C-93 (19-GR)	J/C (2)
C-62 (26-Y)	ABS-ECU	C-94 (19-GR)	J/C (3)
C-63 (2-B)	Front speaker (LH)	C-96* ² (4)	Defogger relay
C-64 (22-Y)	ABS-ECU		<Vehicles with defogger timer>
C-65 (3)	Diode (for dim-dip lamp circuit)		
Remarks			
(1) * ¹ : 1997 Models			
(2) * ² : 1998 Models			

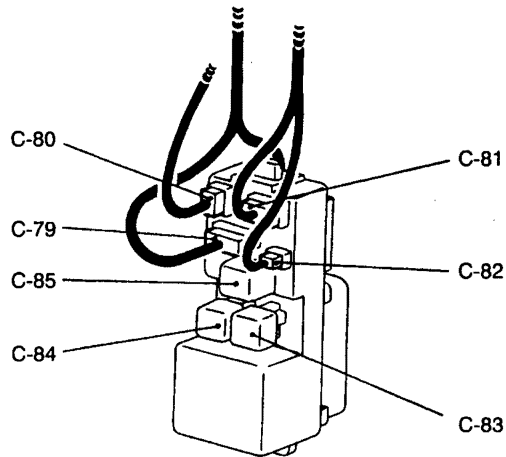
DASH PANEL**R.H. drive vehicles****Relay box in passenger compartment**

00006903

C-67 (6)	Column switch	C-74 (3)	Clock spring <SRS>
C-68 (12)	Column switch	C-75 (2-R)	Clock spring <SRS>
C-69 (10)	Column switch	C-76 (2)	Air bag module (squib)
C-70 (6-B)	Ignition switch	C-77 (1)	Horn switch
C-71 (2)	Ignition key ring antenna	C-78X (4)	Power window relay
C-72 (7)	Key reminder switch		
C-73 (2-B)	Diode (for headlamp and rear fog lamp circuit)		

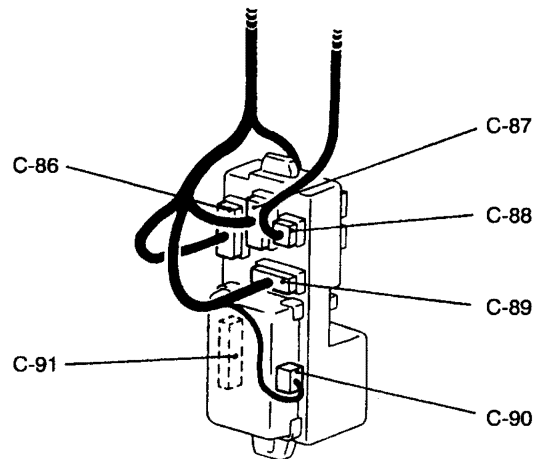
Junction block

<Front side view>



36V0039

<Rear side view>



36V0038

00005012

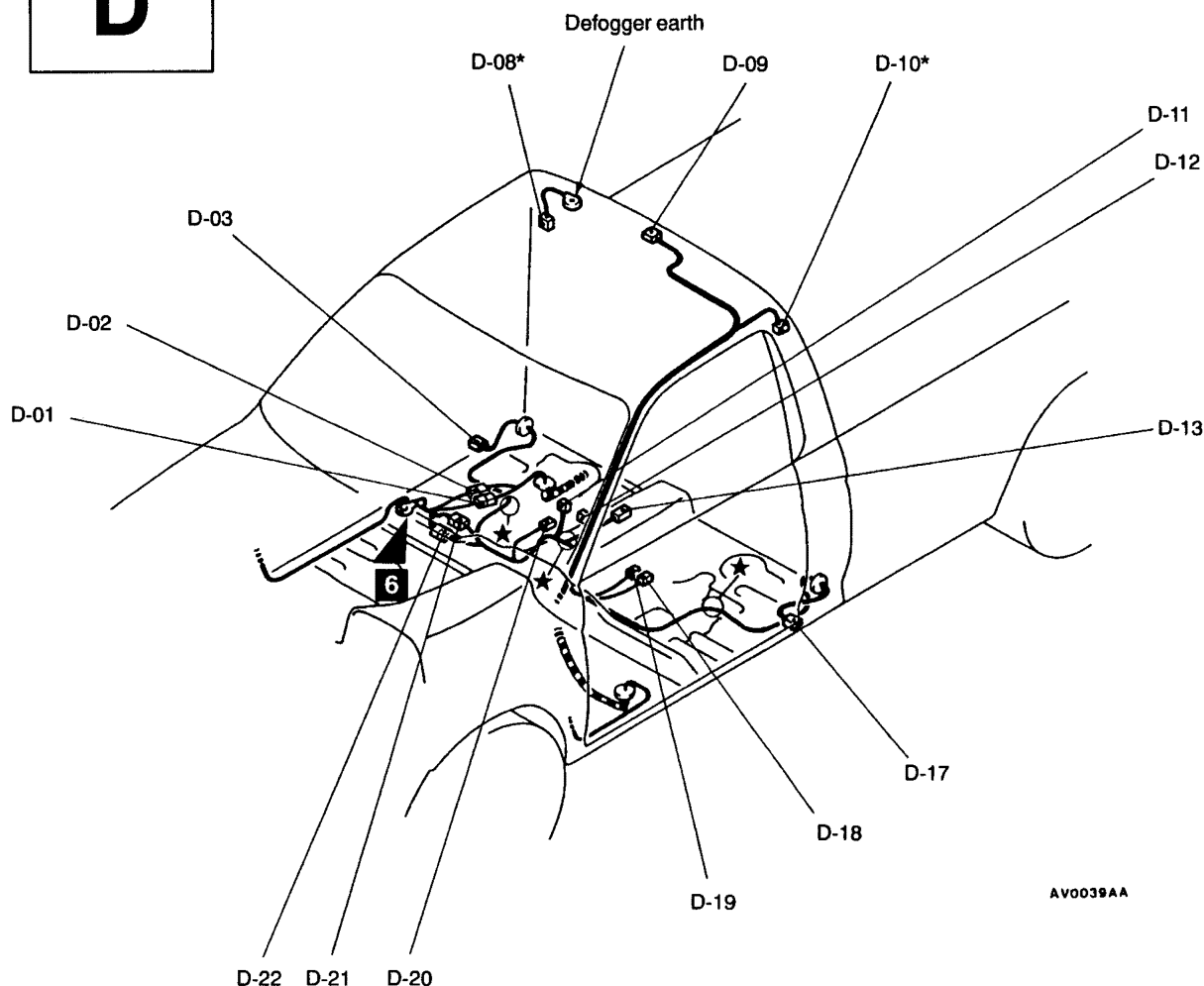
C-79 (16) Body wiring harness and J/B combination
 C-80 (2) Roof wiring harness and J/B combination
 C-81 (12) Front wiring harness and J/B combination
 C-82 (1) Front wiring harness and J/B combination
 C-83 (5) Blower relay
 C-84 (5) Defogger relay
 C-85 (3) Turn signal and hazard warning flasher unit
 <Vehicles without defogger timer>

C-86 (20) Body wiring harness and J/B combination
 C-87 (16-B) Body wiring harness and J/B combination
 C-88 (4) Front wiring harness and J/B combination
 C-89 (8) Body wiring harness and J/B combination
 C-90 (8) ETACS-ECU
 C-91 (12) ETACS-ECU or buzzer-ECU
 C-99X* (6) Defogger timer
 Remark
 *: 1998Models

CABIN

80100220134

Single cab <L.H. drive vehicles>

Connector
symbol**D**

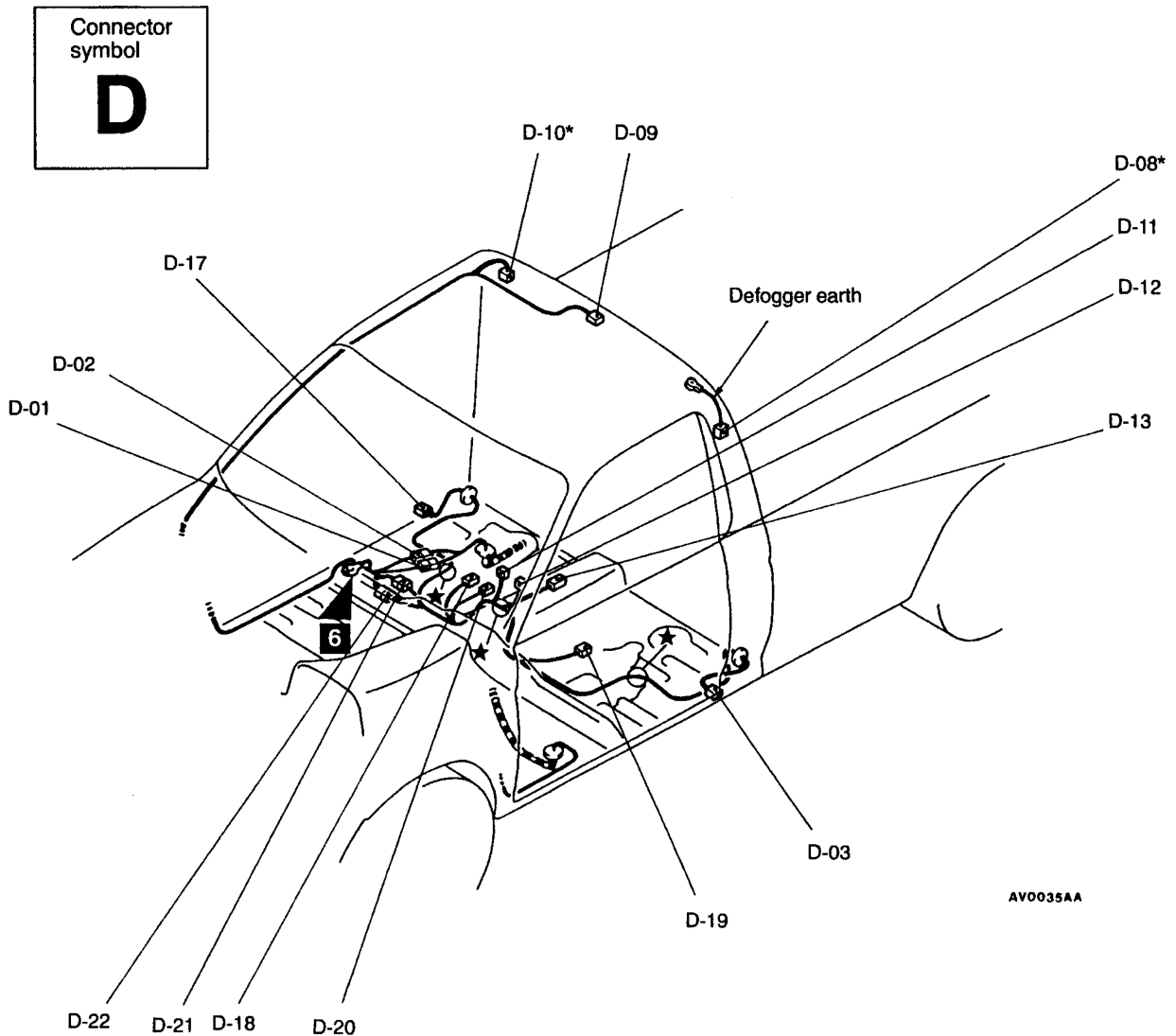
AV0039AA

D-01 (6)	Body wiring harness and frame wiring harness combination	D-17 (2)	Front door switch (driver's side)
D-02 (14)	Body wiring harness and frame wiring harness combination	D-18 (2)	No connection
D-03 (1-B)	Front door switch (passenger's side)	D-19 (3-B)	Front seat assembly (LH)
D-08* (1)	Defogger (-)	D-20 (3-B)	Front seat assembly (RH)
D-09 (2)	Room lamp	D-21 (9)	Body wiring harness and floor wiring harness combination
D-10* (1-B)	Defogger (+)	D-22 (16)	Body wiring harness and floor wiring harness combination
D-11 (6)	Heated seat switch (RH)		
D-12 (6)	Heated seat switch (LH)		
D-13 (1-B)	Parking brake switch		

Remark
*: 1998Models

CABIN

80100220141

Single cab <R.H. drive vehicles>

D-01 (6) Body wiring harness and frame wiring harness combination
 D-02 (14) Body wiring harness and frame wiring harness combination
 D-03 (1-B) Front door switch (passenger's side)
 D-08* (1) Defogger (-)
 D-09 (2) Room lamp
 D-10* (1-B) Defogger (+)
 D-11 (6) Heated seat switch (RH)
 D-12 (6) Heated seat switch (LH)
 D-13 (1-B) Parking brake switch

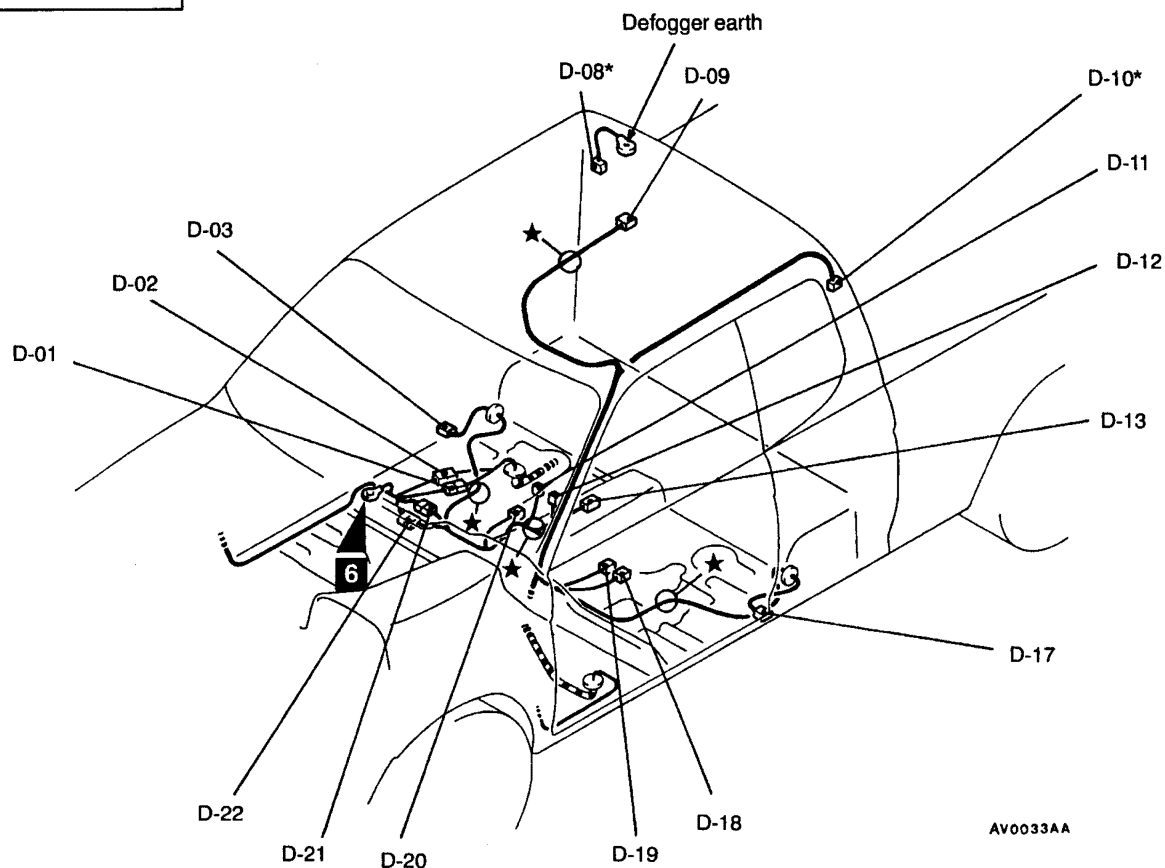
D-17 (2) Front door switch (driver's side)
 D-18 (2) No connection
 D-19 (3-B) Front seat assembly (LH)
 D-20 (3-B) Front seat assembly (RH)
 D-21 (9) Body wiring harness and floor wiring harness combination
 D-22 (16) Body wiring harness and floor wiring harness combination

Remark
 *: 1998Models

CABIN

80100220158

Club cab

Connector
symbol**D**

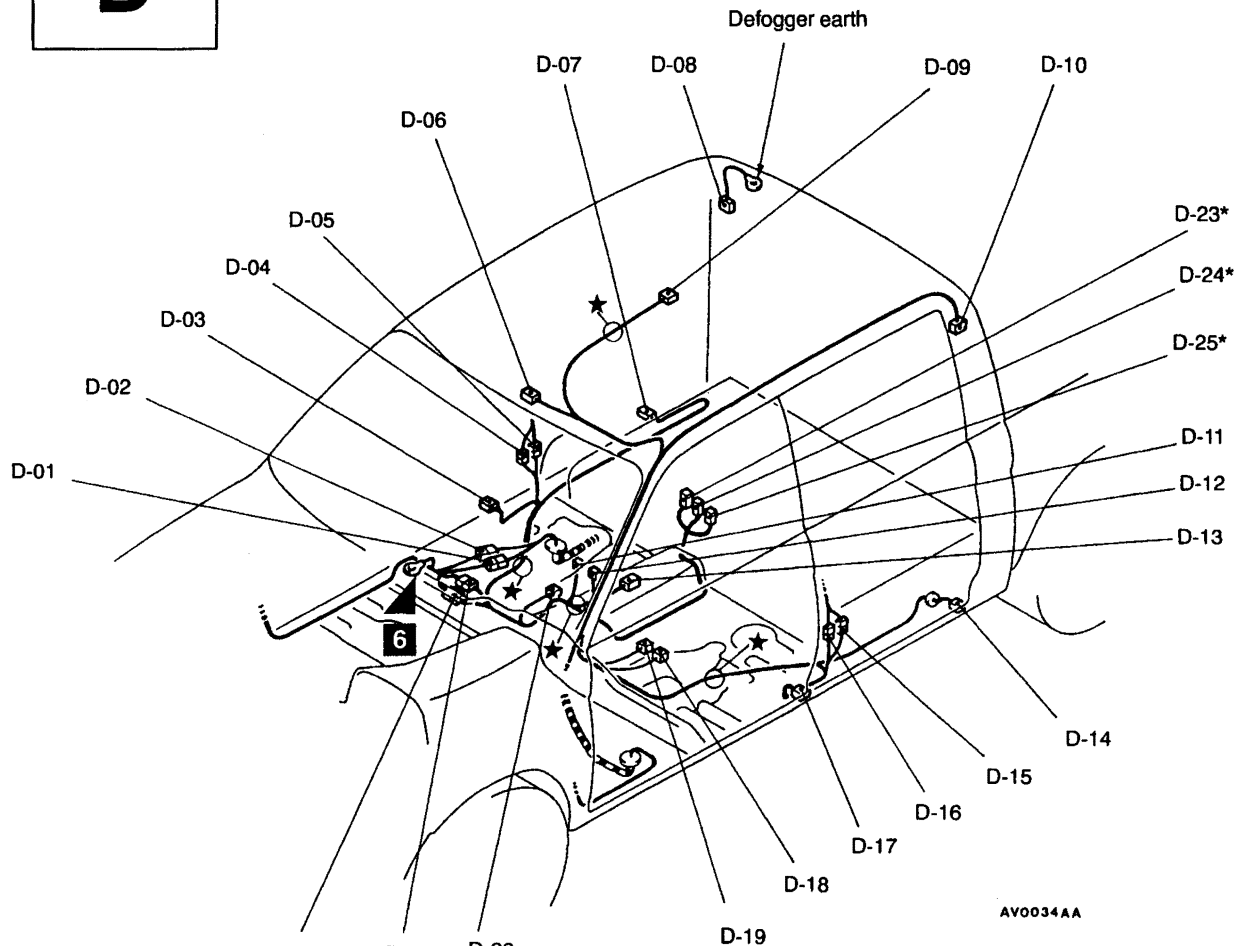
AV0033AA

D-01 (6)	Body wiring harness and frame wiring harness combination	D-17 (2)	Front door switch (driver's side)
D-02 (14)	Body wiring harness and frame wiring harness combination	D-18 (2)	No connection
D-03 (1-B)	Front door switch (passenger's side)	D-19 (3-B)	Front seat assembly (LH)
D-08* (1)	Defogger (-)	D-20 (3-B)	Front seat assembly (RH)
D-09 (2)	Room lamp	D-21 (9)	Body wiring harness and floor wiring harness combination
D-10* (1-B)	Defogger (+)	D-22 (16)	Body wiring harness and floor wiring harness combination
D-11 (6)	Heated seat switch (RH)		
D-12 (6)	Heated seat switch (LH)		
D-13 (1-B)	Parking brake switch		
		Remark	
		*: 1998 Models	

CABIN

80100220165

Double cab

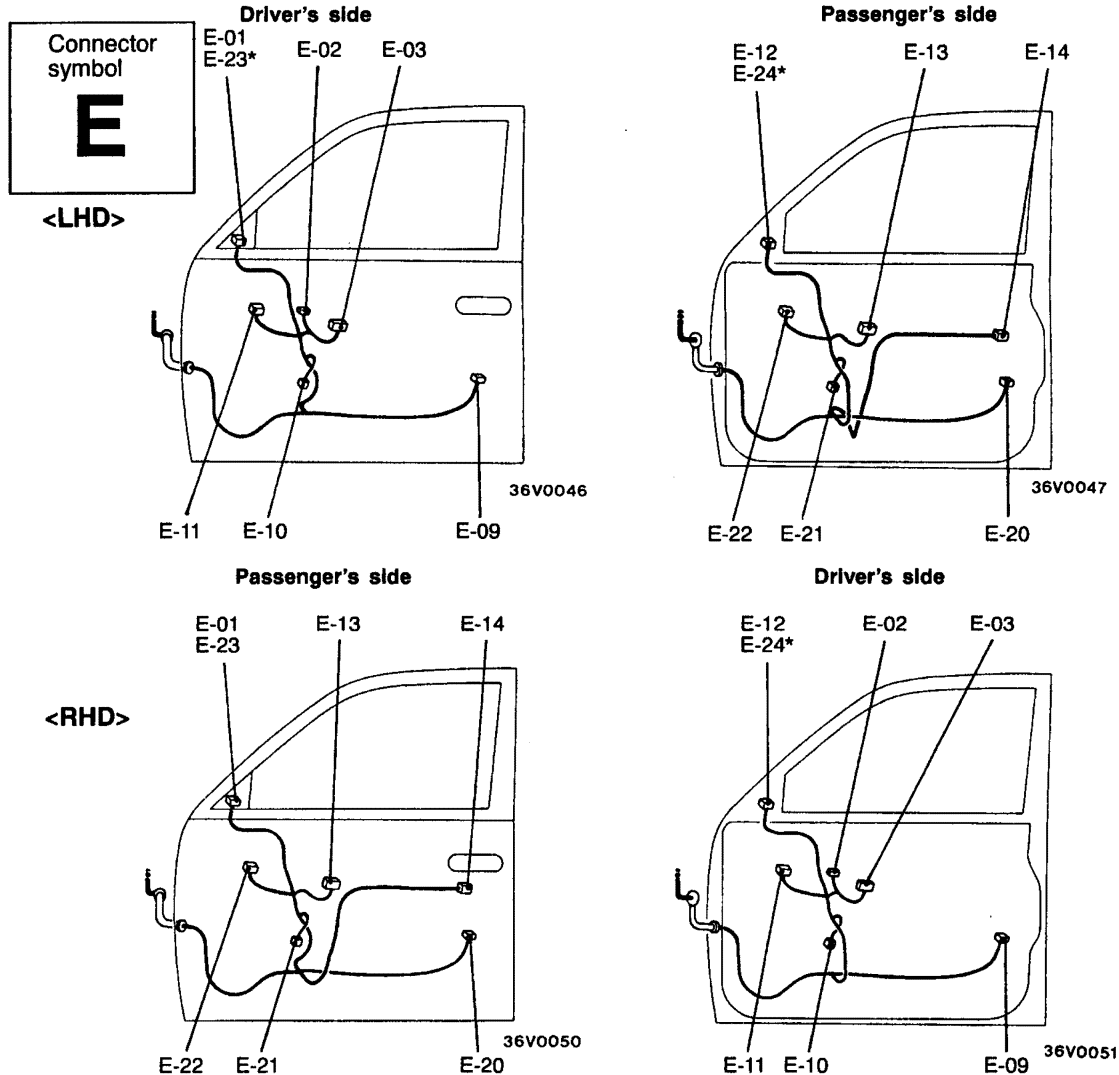
Connector
symbol**D**

AV0034AA

D-01 (6)	Body wiring harness and frame wiring harness combination	D-15 (5)	Floor wiring harness and rear door wiring harness (LH) combination
D-02 (14)	Body wiring harness and frame wiring harness combination	D-16 (6)	Floor wiring harness and rear door wiring harness (LH) combination
D-03 (1-B)	Front door switch (passenger's side)	D-17 (2)	Front door switch (driver's side)
D-04 (6)	Floor wiring harness and rear door wiring harness (RH) combination	D-18 (2)	No connection
D-05 (5)	Front wiring harness and rear door wiring harness (RH) combination	D-19 (3-B)	Front seat assembly (LH)
D-06 (1)	Map lamp	D-20 (3-B)	Front seat assembly (RH)
D-07 (1-B)	Rear door switch (RH)	D-21 (9)	Body wiring harness and floor wiring harness combination
D-08 (1)	Defogger (-)	D-22 (16)	Body wiring harness and floor wiring harness combination
D-09 (2)	Room lamp	D-23* (2)	Rear heater illumination lamp
D-10 (1-B)	Defogger (+)	D-24* (6)	Rear heater switch
D-11 (6)	Heated seat switch (RH)	D-25* (4)	Rear blower motor
D-12 (6)	Heated seat switch (LH)	Remark	
D-13 (1-B)	Parking brake switch	*: 1998Models	
D-14 (1-B)	Rear door switch (LH)		

DOOR

Single cab and club cab

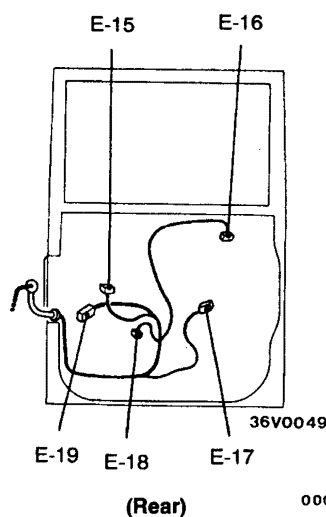
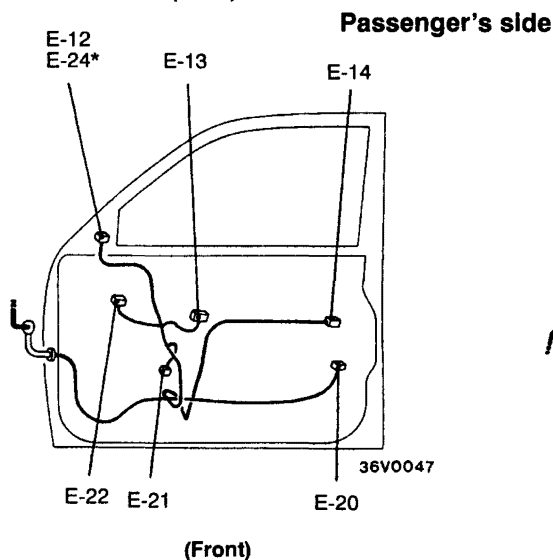
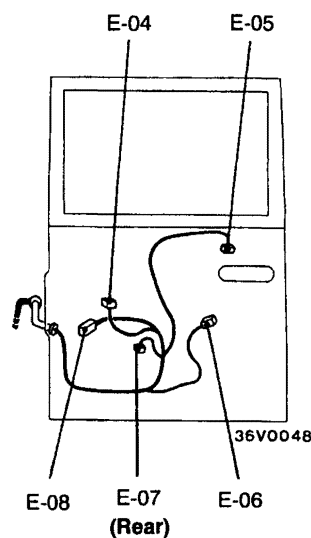
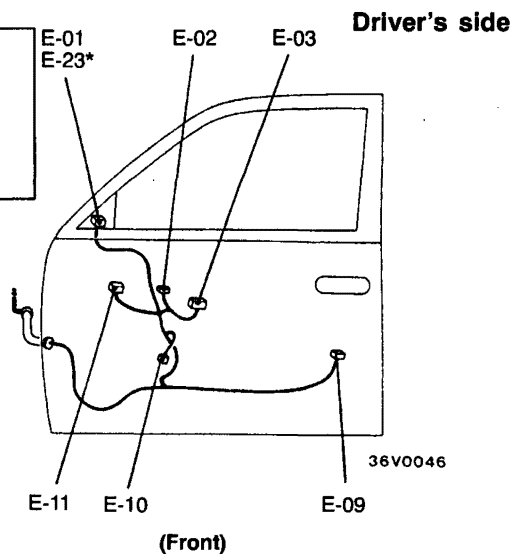
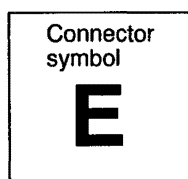


00005013

E-01 (3)	Remote controlled mirror (LH) (without door mirror heater)	E-20 (4)	Door lock actuator (front passenger's side)
E-02 (9)	Remote controlled mirror switch	E-21 (2)	Power window limit switch (front passenger's side)
E-03 (10)	Power window main switch	E-22 (2)	Power window motor (front passenger's side)
E-09 (4)	Door lock actuator (driver's side)	E-23* (7)	Remote controlled mirror (LH) (with door mirror heater)
E-10 (2)	Power window limit switch (driver's side)	E-24* (7)	Remote controlled mirror (RH) (with door mirror heater)
E-11 (2)	Power window motor (driver's side)		
E-12 (3)	Remote controlled mirror (RH) (without door mirror heater)		
E-13 (8)	Power window sub switch (front passenger's side)		
E-14 (3)	Door lock key cylinder switch		

Remark
*: 1998Models

80100140454

DOOR**Double cab**

00005014

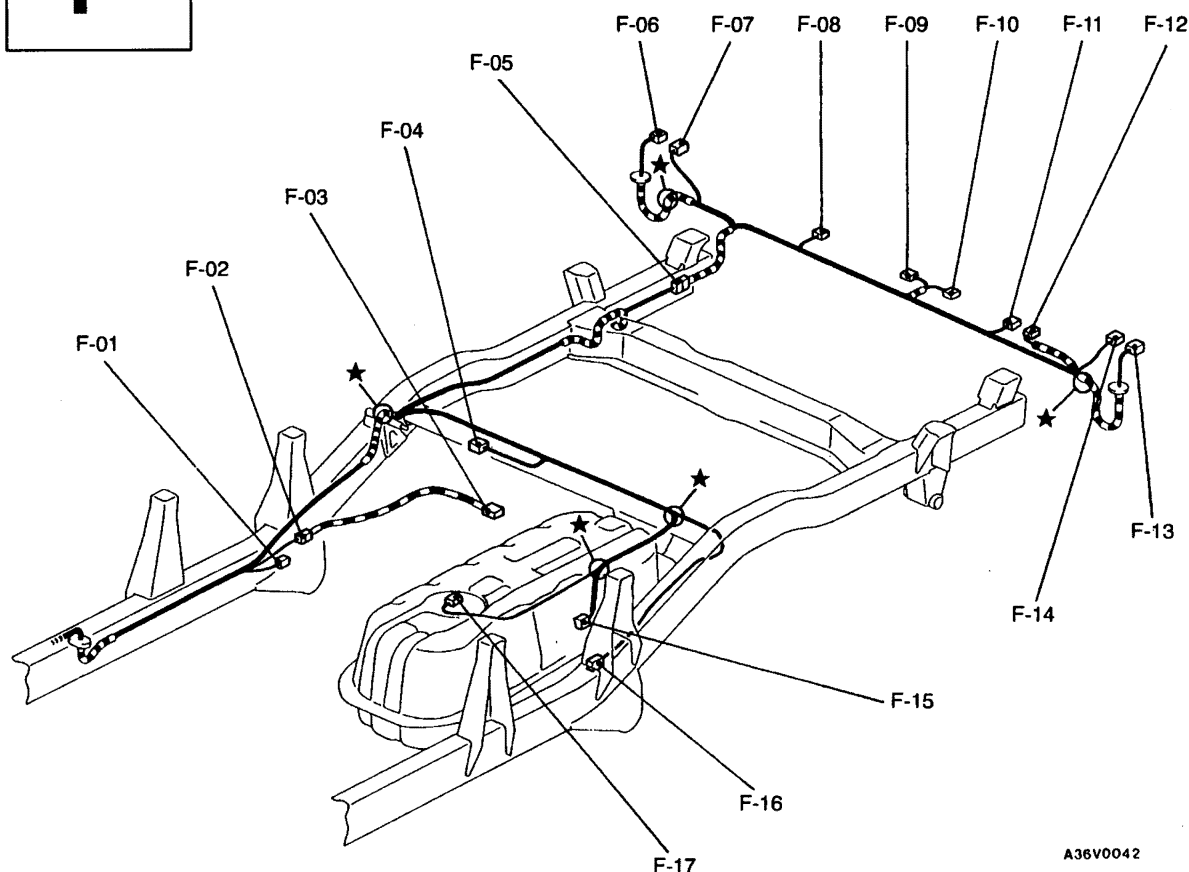
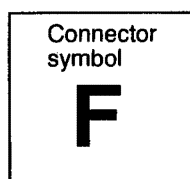
E-01 (3)	Remote controlled mirror (LH) (without door mirror heater)
E-02 (9)	Remote controlled mirror switch
E-03 (10)	Power window main switch
E-04 (8)	Power window sub switch (rear: LH)
E-05 (5)	Door lock actuator (rear: LH)
E-06 (2-B)	Rear door speaker (LH)
E-07 (2)	Power window motor (rear: LH)
E-08 (2)	Power window limit switch (rear: LH)
E-09 (4)	Door lock actuator (driver's side)
E-10 (2)	Power window limit switch (driver's side)
E-11 (2)	Power window motor (driver's side)
E-12 (3)	Remote controlled mirror (RH) (without door mirror heater)
E-13 (8)	Power window sub switch (front passenger's side)
E-14 (3)	Door lock key cylinder switch

E-15 (8)	Power window sub switch (rear: RH)
E-16 (5)	Door lock actuator (rear: RH)
E-17 (2-B)	Rear door speaker (RH)
E-18 (2)	Power window motor (rear: RH)
E-19 (2)	Power window limit switch (rear: RH)
E-20 (4)	Door lock actuator (front passenger's side)
E-21 (2)	Power window limit switch (front passenger's side)
E-22 (2)	Power window motor (front passenger's side)
E-23* (7)	Remote controlled mirror (LH) (with door mirror heater)
E-24* (7)	Remote controlled mirror (RH) (with door mirror heater)

Remark
*: 1998Models

FRAME

80100230014



A36V0042

F-01 (2-B)	Wheel speed sensor (rear: RH) <ABS>	F-09 (2-B)	Licence plate lamp (RH)
F-02 (2-B)	Frame wiring harness and position wiring harness combination	F-10 (2-B)	Licence plate lamp (LH)
F-03 (2)	Rear differential lock detection switch	F-11 (2-B)	Rear fog lamp <LHD> <with cargo bed>
F-04 (2-B)	Rear differential lock air pump	F-12 (2-B)	Rear fog lamp <without cargo bed>
F-05 (8-B)	Frame wiring harness and rear body wiring harness combination	F-13 (6-B)	Rear combination lamp (LH) <with cargo bed>
F-06 (6-B)	Rear combination lamp (RH) <with cargo bed>	F-14 (6)	Rear combination lamp (LH) <without cargo bed>
F-07 (6)	Rear combination lamp (RH) <without cargo bed>	F-15 (3)	Fuel gauge unit
F-08 (2-B)	Rear fog lamp <RHD>	F-16 (2-B)	Wheel speed sensor (rear: LH) <ABS>
		F-17 (2)	Fuel pump

SINGLE PART INSTALLATION POSITION

CONTENTS

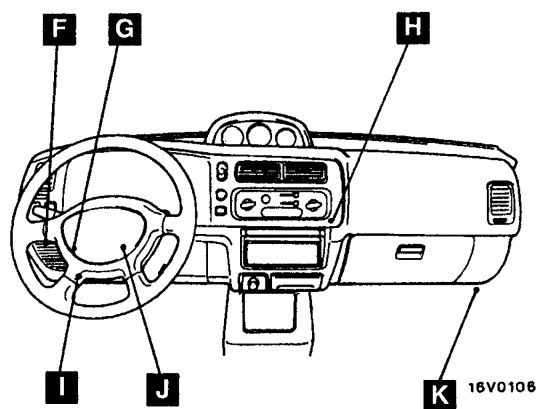
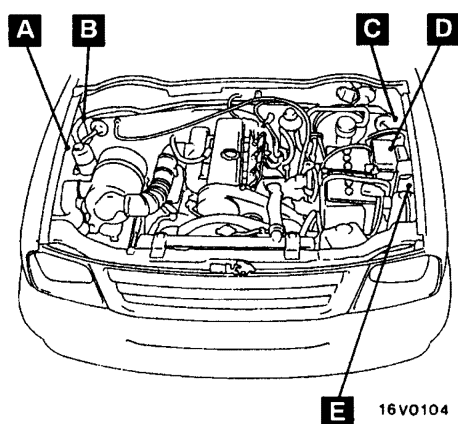
70109000150

RELAY	3-2	INSPECTION CONNECTOR	3-12
ECU	3-4	FUSIBLE LINK AND FUSE	3-13
SENSOR	3-6	EARTH CABLE	3-14
SOLENOID AND SOLENOID VALVE	3-9	EARTH	3-15
DIODE	3-11		

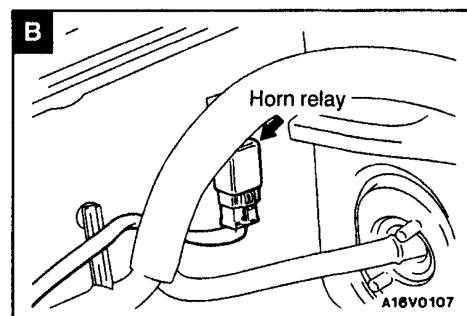
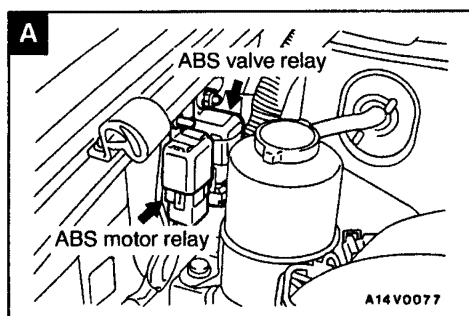
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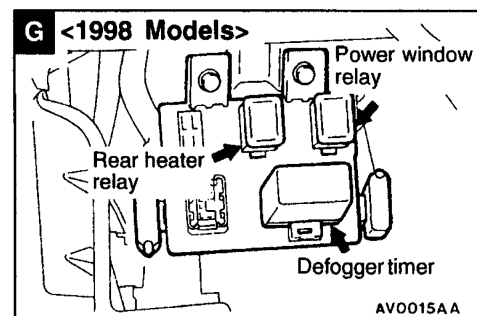
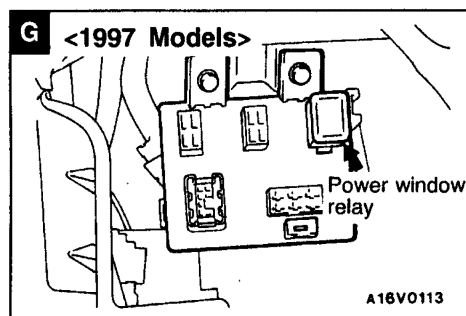
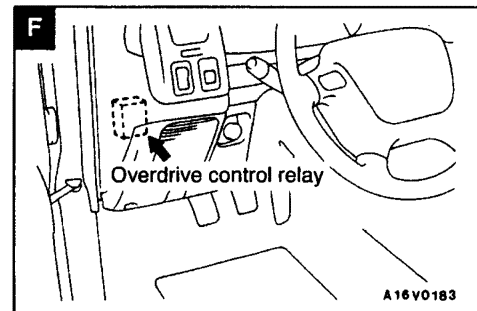
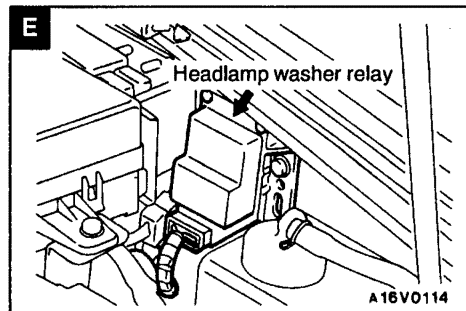
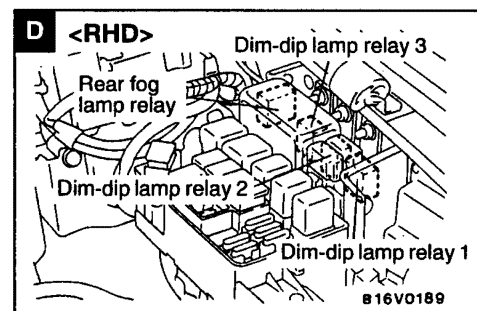
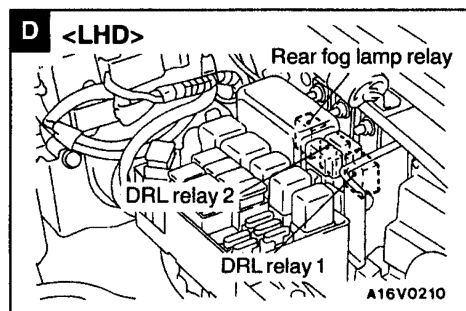
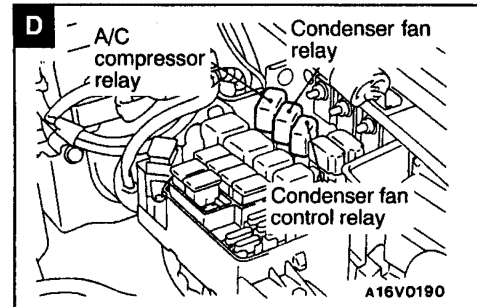
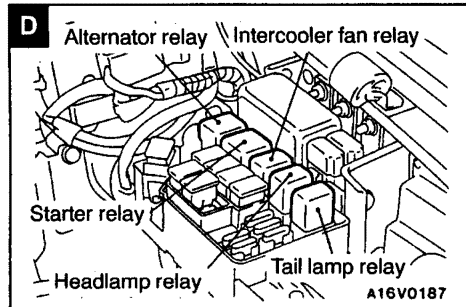
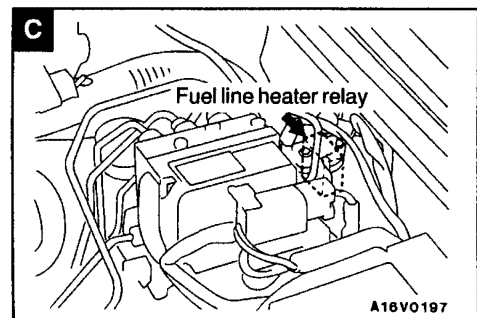
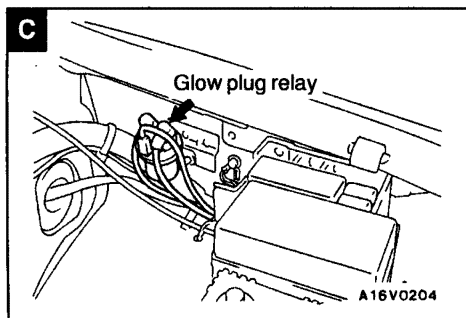
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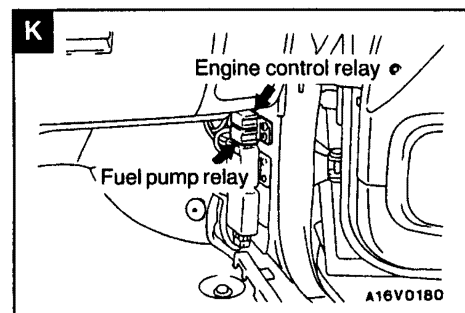
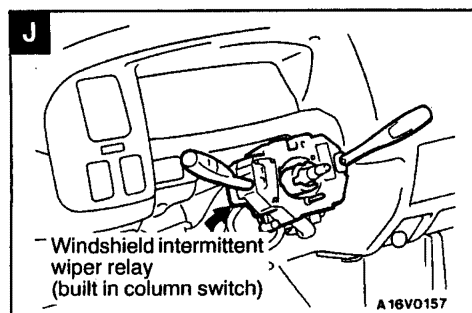
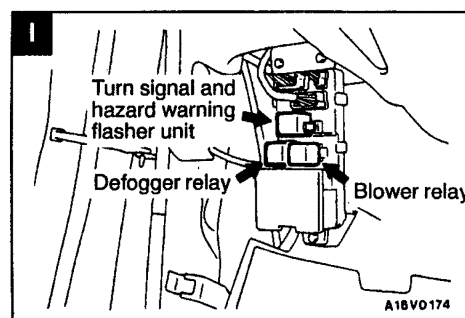
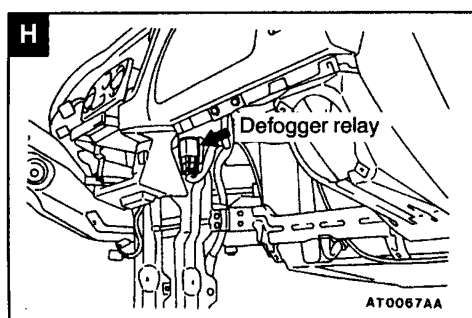
Name	Symbol	Name	Symbol
ABS motor relay	A	Fuel pump relay	K
ABS valve relay	A	Glow plug relay <Diesel>	C
A/C compressor relay	D	Headlamp relay	D
Alternator relay	D	Headlamp washer relay	E
Blower relay	I	Horn relay <SRS>	B
Condenser fan control relay <Diesel-A/T>	D	Intercooler fan relay	D
Condenser fan relay <A/C>	D	Overdrive control relay	F
Defogger relay <Vehicles without Defogger timer>	I	Power window relay	G
Defogger relay <Vehicles with Defogger timer>	H	Rear fog lamp relay	D
Defogger timer	G	Rear heater relay	G
Dim-dip lamp relay 1.2.3. <RHD>	D	Starter relay <Petrol-A/T and diesel>	D
DRL relay 1.2. <LHD>	D	Tail lamp relay	D
Engine control relay <Petrol>	K	Turn signal and hazard warning flasher unit	I
Fuel line heater relay	C	Windshield intermittent wiper relay (built in column switch)	J



00007030



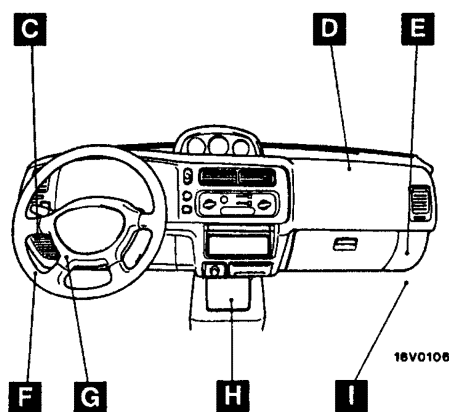
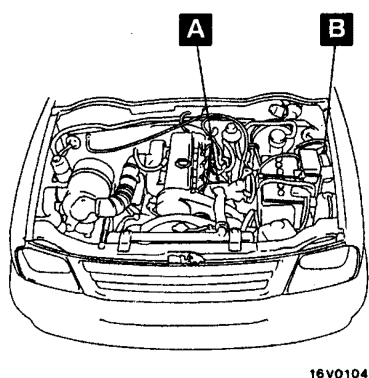




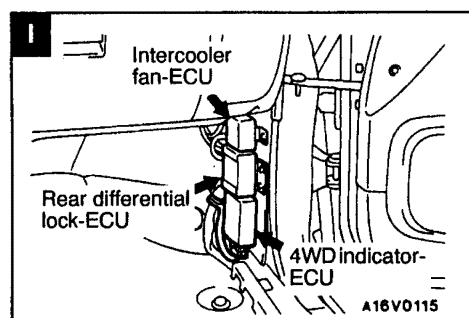
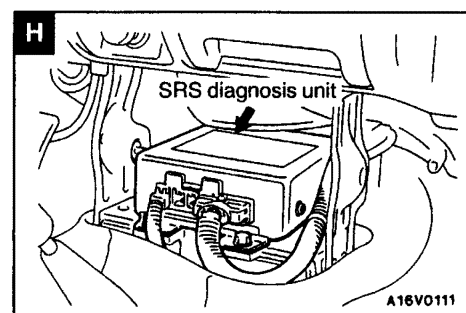
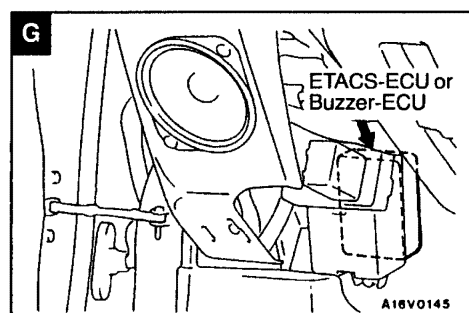
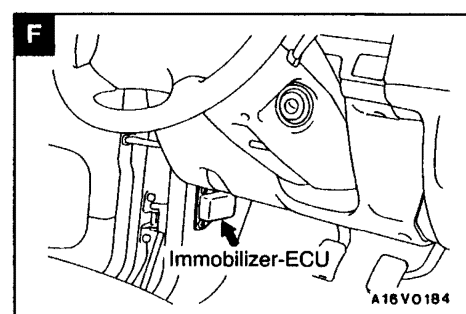
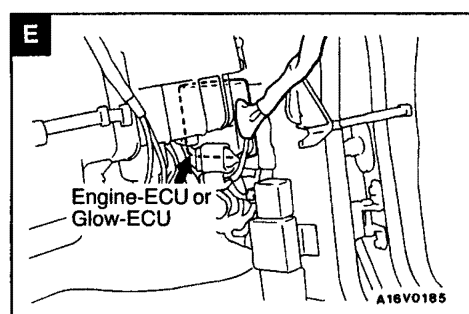
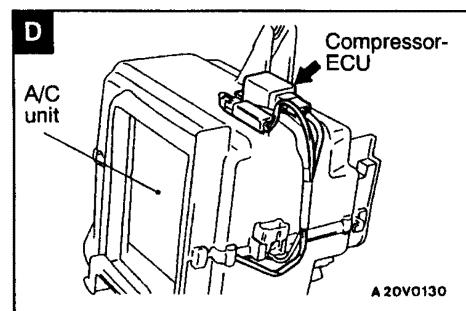
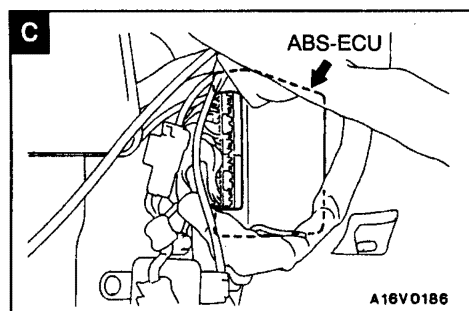
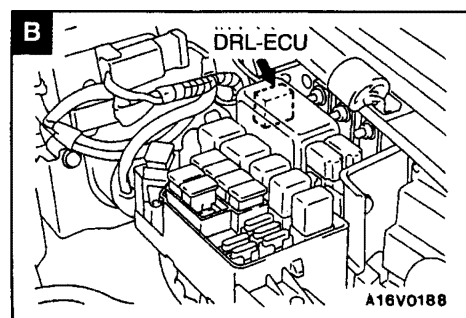
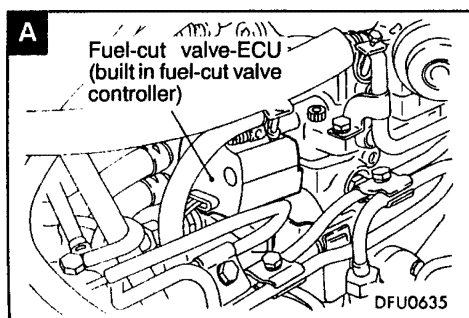
ECU

70100050086

Name	Symbol	Name	Symbol
ABS-ECU	C	Fuel-cut valve-ECU <Diesel>	A
Buzzer-ECU	G	Glow-ECU <Diesel>	E
Compressor-ECU <Diesel-A/T>	D	Immobilizer-ECU	F
DRL-ECU	B	Intercooler fan-ECU <Diesel>	I
Engine-ECU <Petrol>	E	Rear differential lock-ECU	I
ETACS-ECU	G	SRS diagnosis unit	H
4WD indicator-ECU	I		



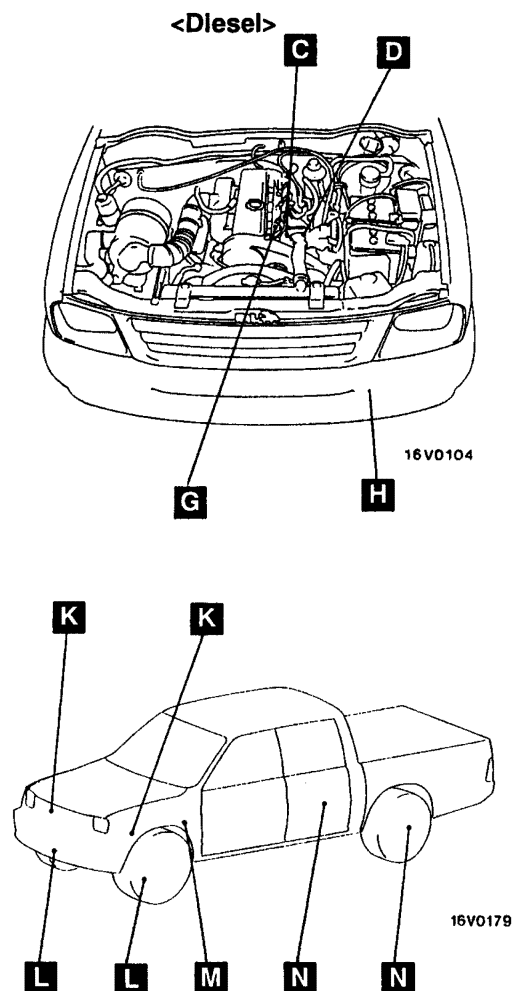
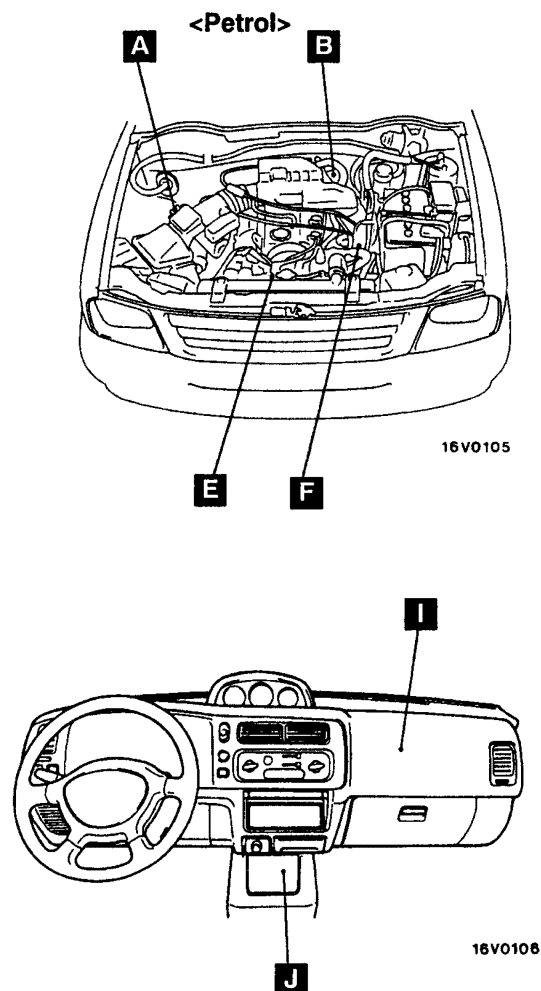
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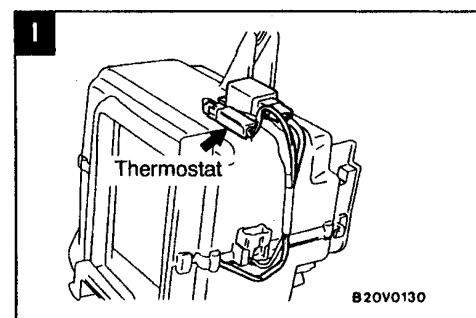
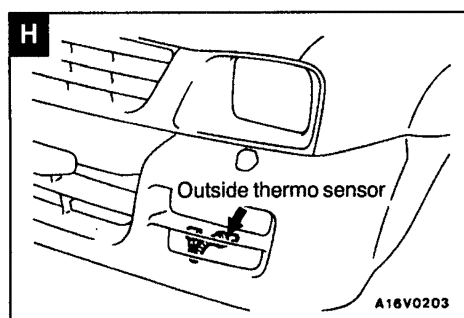
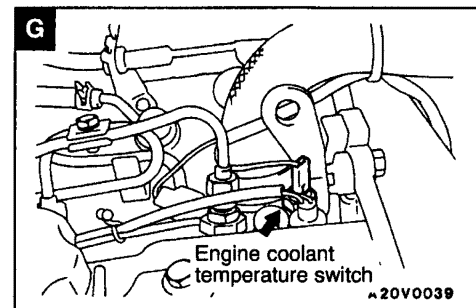
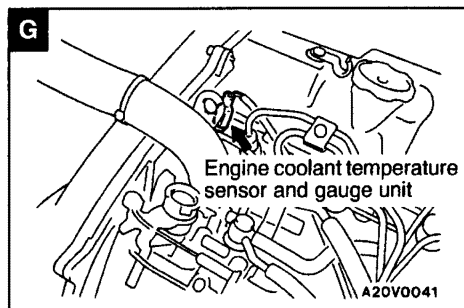
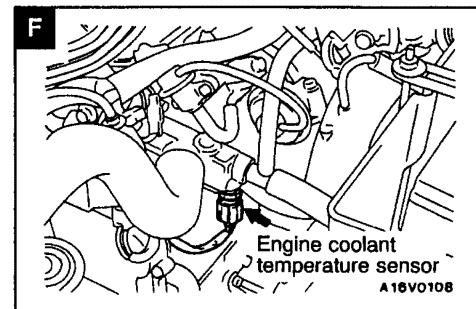
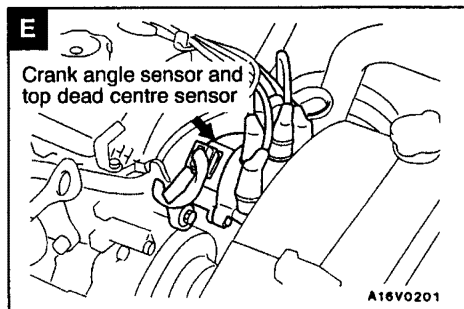
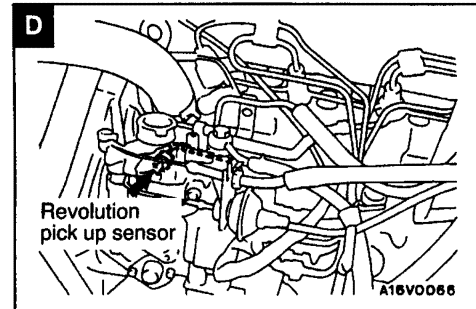
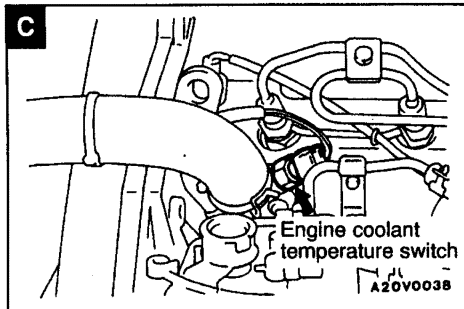
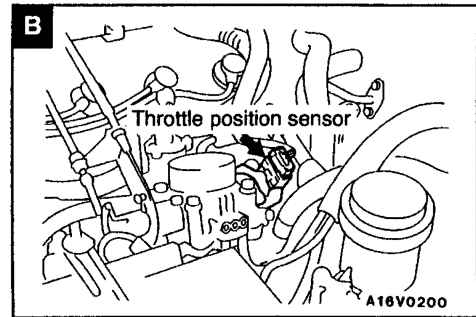
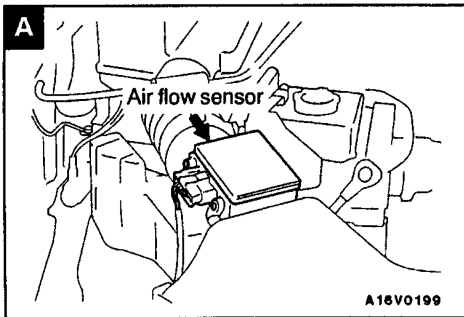
SENSOR

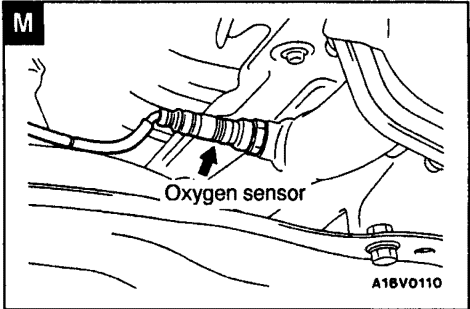
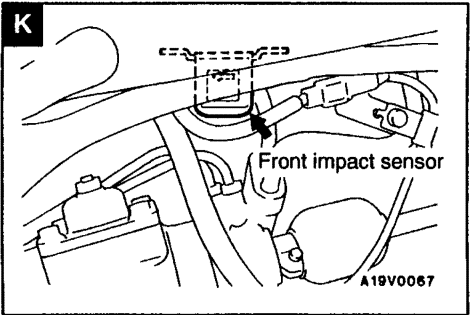
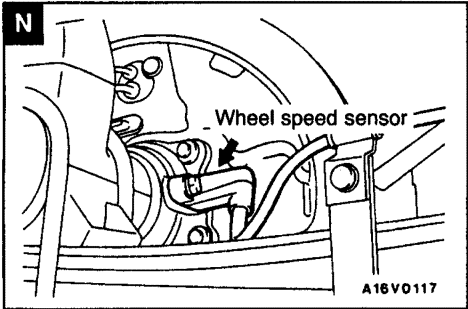
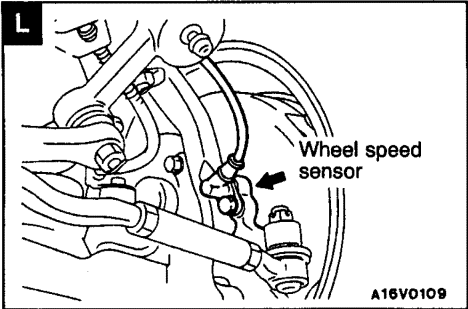
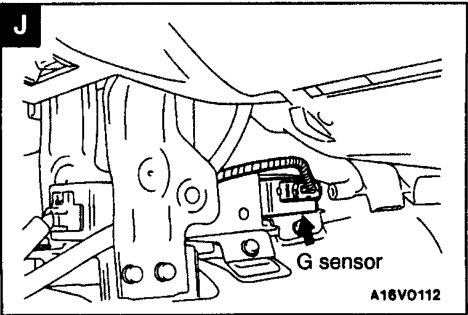
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Name	Symbol	Name	Symbol
Air flow sensor <Petrol>	A	Front impact sensor <SRS>	L
Crank angle sensor and top dead centre sensor (built in distributor) <Petrol>	F	G sensor <ABS>	K
		Outside thermo sensor <Multi-meter>	I
Engine coolant temperature sensor and gauge unit <Diesel>	H	Oxygen sensor <Petrol>	N
		Revolution pick up sensor <Diesel>	E
Engine coolant temperature sensor <Petrol>	G	Thermostat <A/C>	J
Engine coolant temperature switch <A/C> (for A/C compressor control)	C	Throttle position sensor <Petrol>	B
		Wheel speed sensor (Front) <ABS>	M
Engine coolant temperature switch <A/C> (for condenser fan control)	H	Wheel speed sensor (Rear) <ABS>	O



00005285



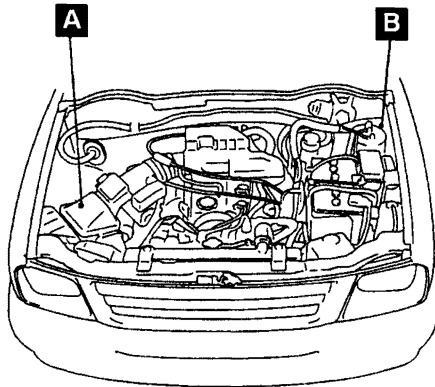


SOLENOID AND SOLENOID VALVE

70100080146

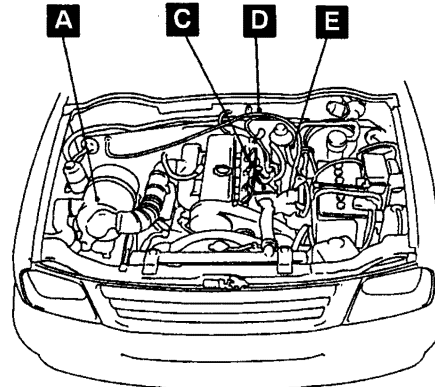
Name	Symbol	Name	Symbol
EGR solenoid valve <Petrol>	B	Overdrive solenoid valve	F
Fuel cut solenoid valve <Diesel>	C	Purge control solenoid valve <Petrol>	B
Idle-up solenoid valve <ABS>	D	Solenoid valve 1.2. <4WD>	A
Idle-up solenoid valve (A/C) <Diesel>	E		

<Petrol>

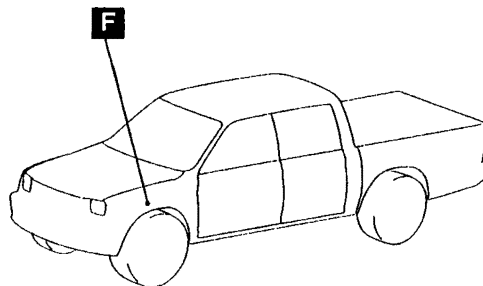


16V0105

<Diesel>

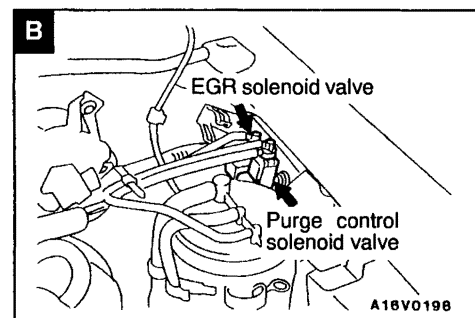
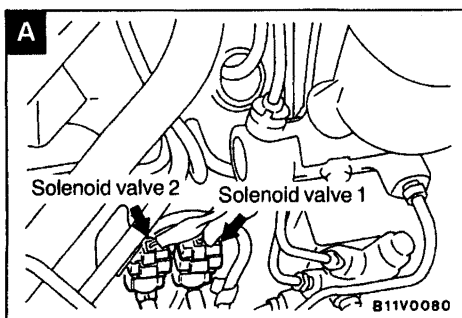


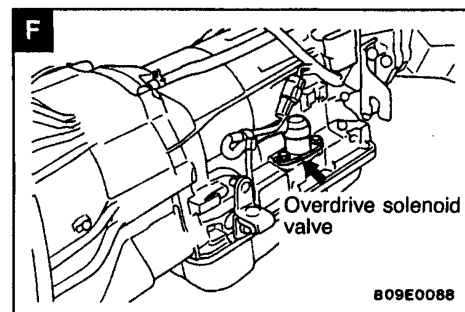
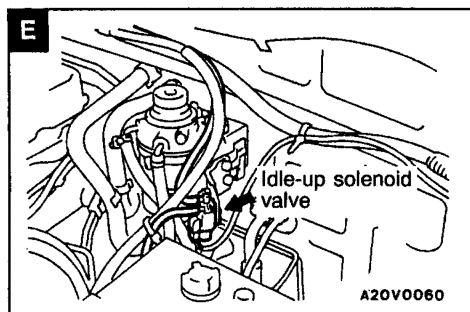
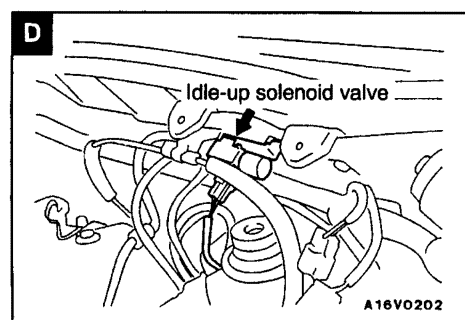
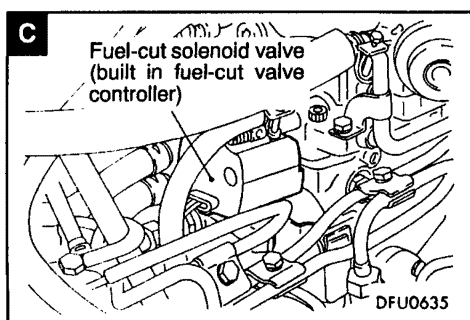
16V0104



16V0179

00005286

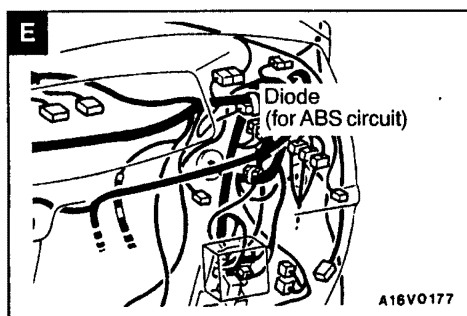
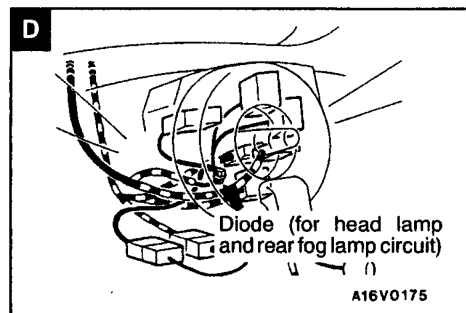
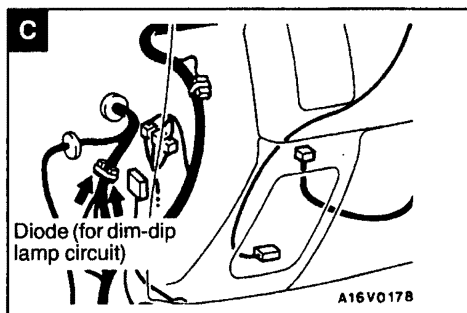
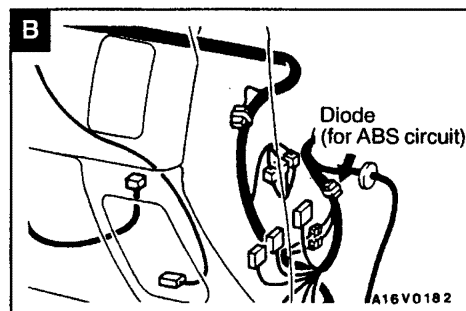
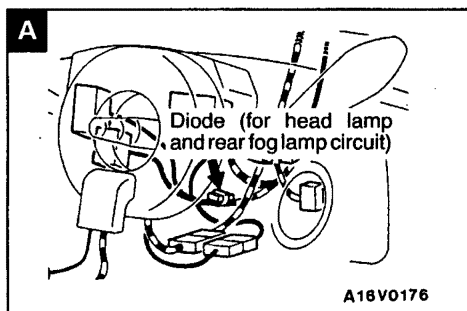
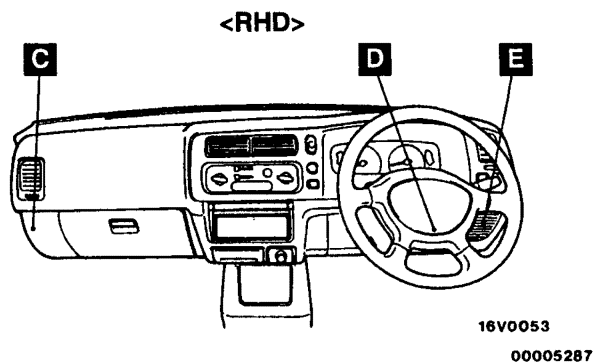
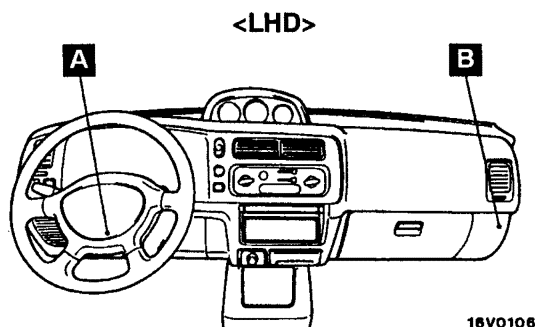




DIODE

70100090163

Name		Symbol	Name		Symbol
Diode (ABS circuit)	<LHD>	B	Diode (for headlamp and rear fog lamp circuit)	<LHD>	A
	<RHD>	E		<RHD>	D
Diode (for dim-dip lamp circuit)		C			

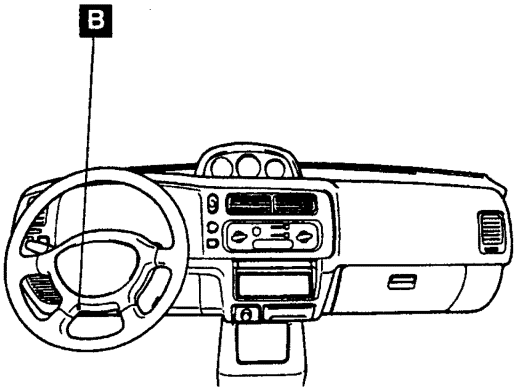
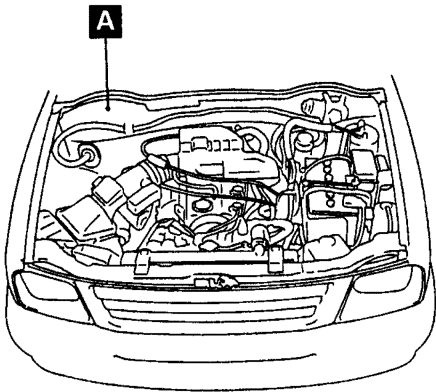


3-12 SINGLE PART INSTALLATION POSITION – Inspection Connector

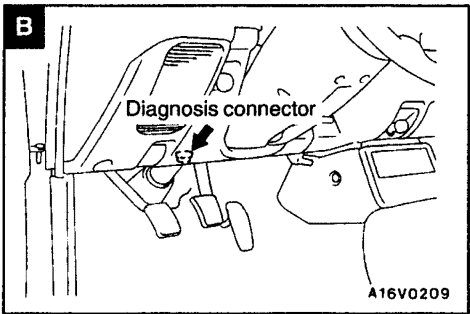
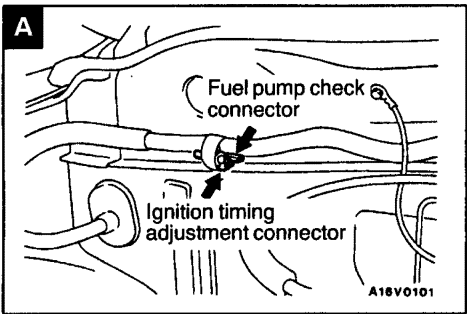
INSPECTION CONNECTOR

70100020148

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



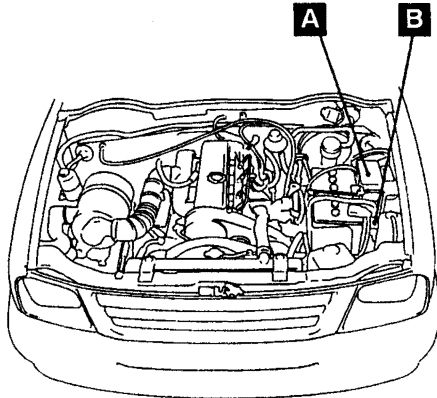
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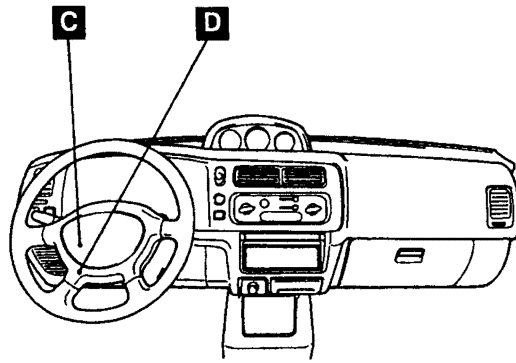
FUSIBLE LINK AND FUSE

70100010350

Name	Symbol	Name	Symbol
Dedicated fuses (No. 1 - 7)	A	Fusible links (No. 1 - 8)	A
Dedicated fuses (No. 8 - 13)	D	Fusible links (No. 9 - 11)	B
Dedicated fuses (No. 14, 15)	C	Multi-purpose fuses	D

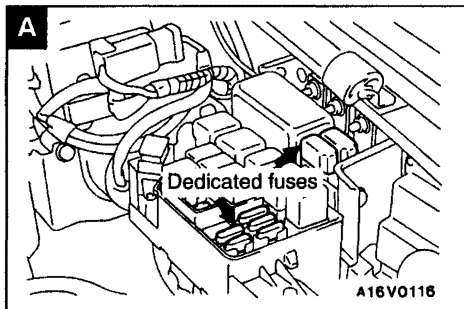


16V0104

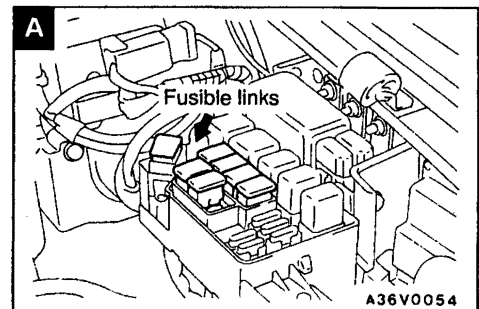


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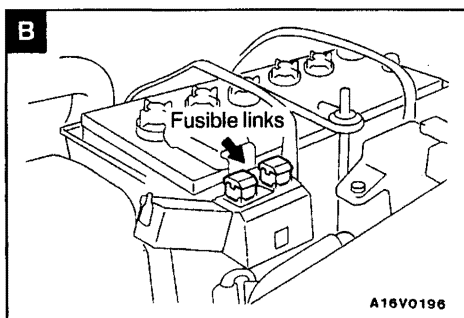
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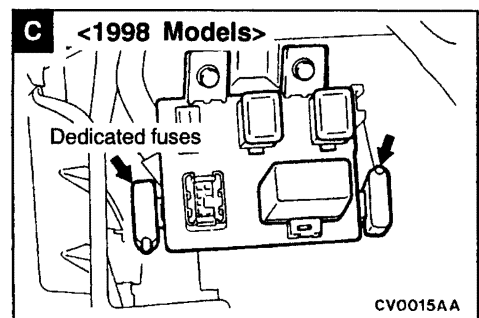
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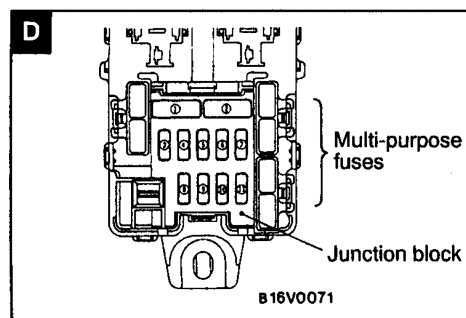
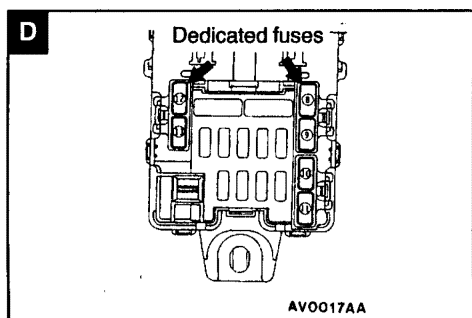
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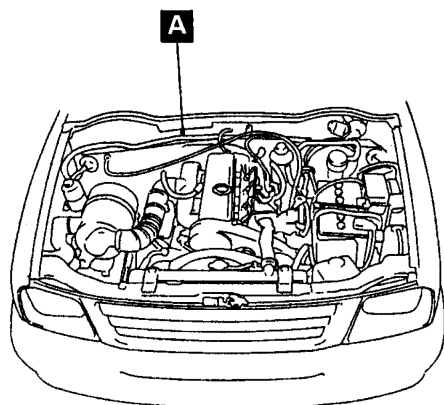
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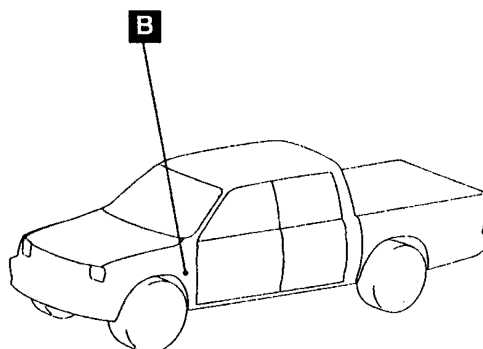
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70100100118

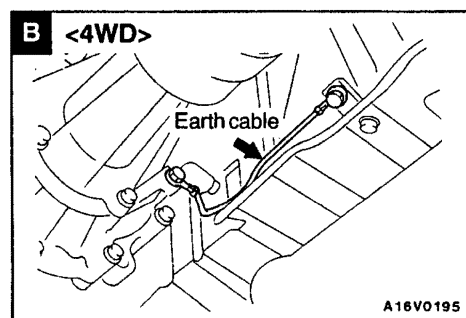
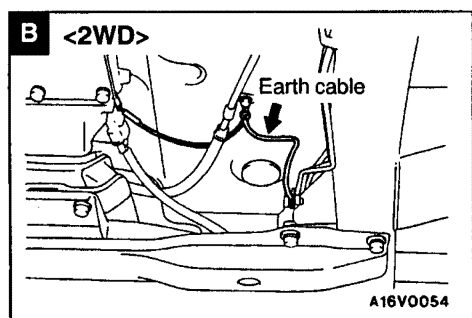
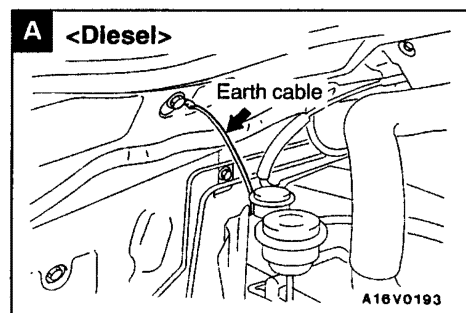
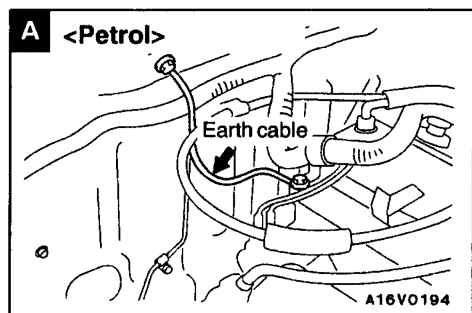
EARTH CABLE

16V0104



16V0179

00005176

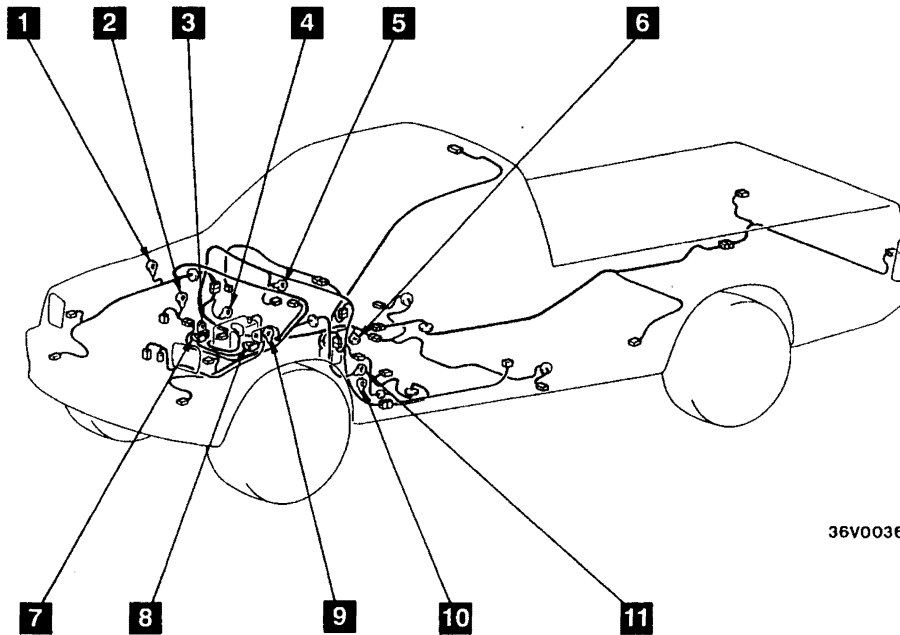


EARTH

70100030172

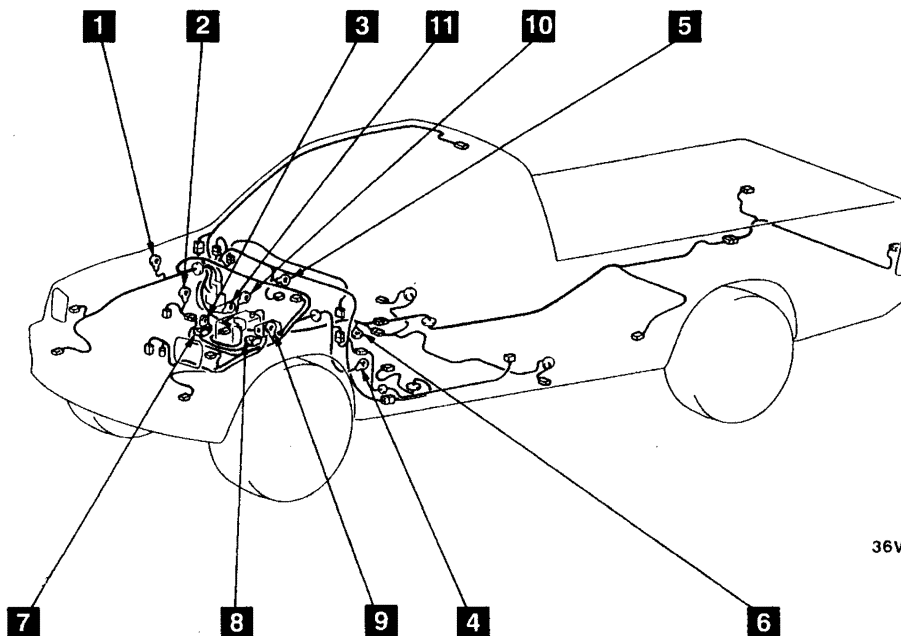
Single cab

<L.H. drive vehicles>



36V0036

<R.H. drive vehicles>



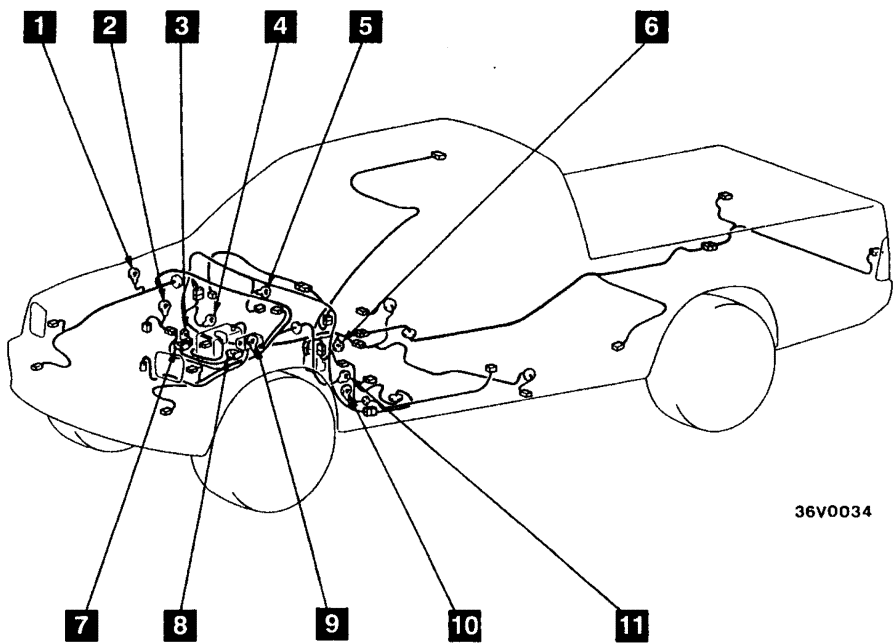
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NOTE

Same earth numbers are used in the circuit diagram.

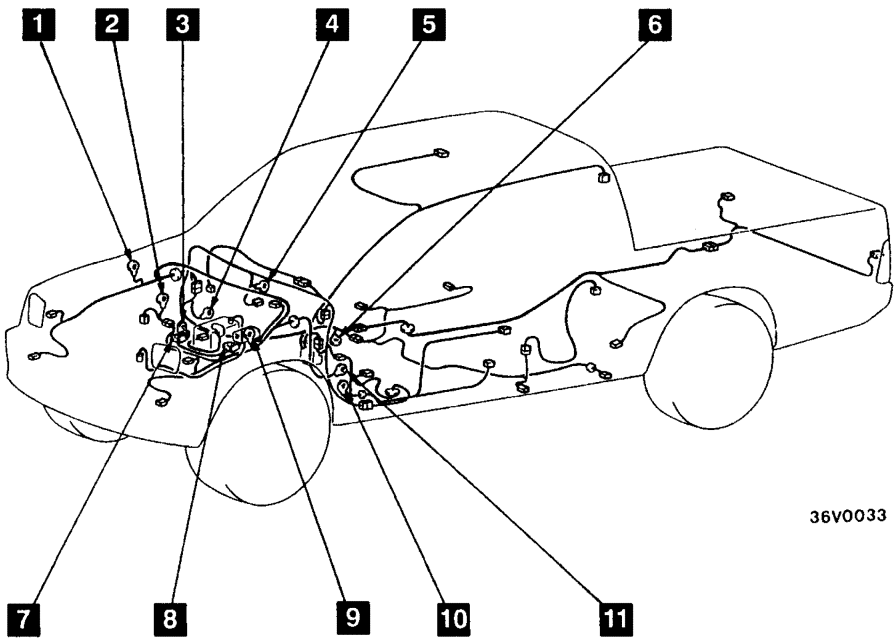
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Club cab



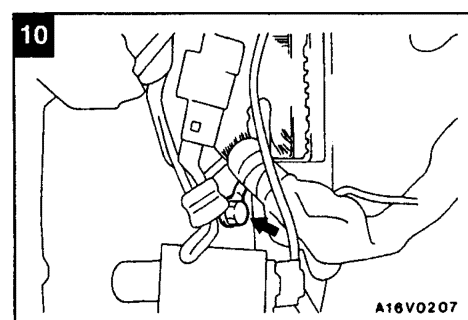
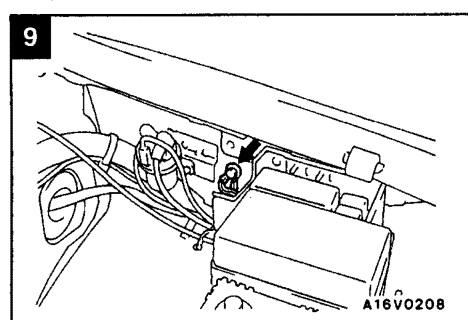
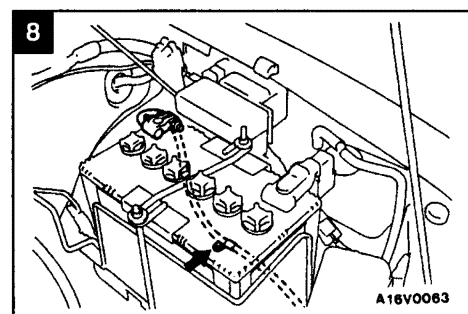
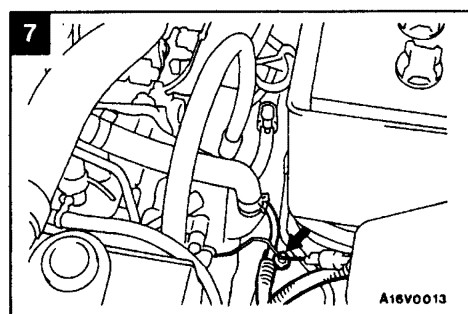
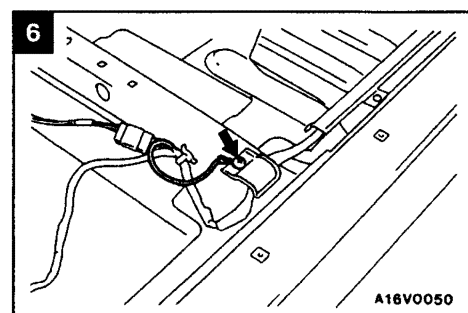
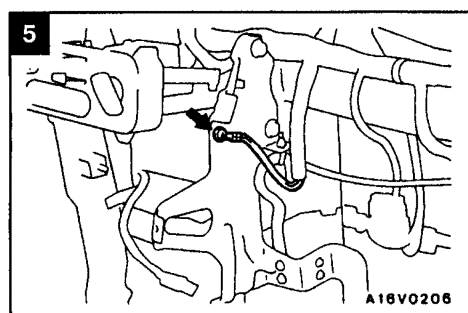
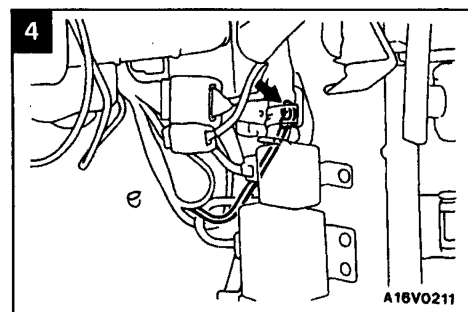
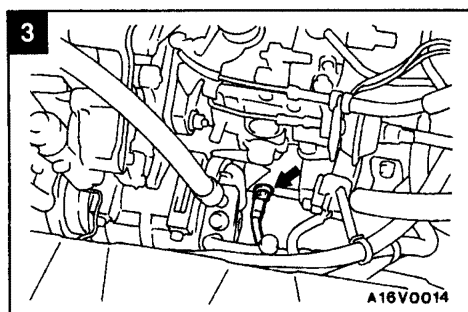
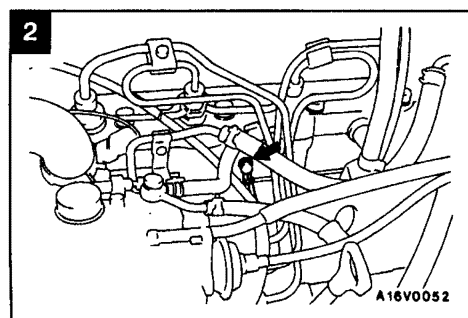
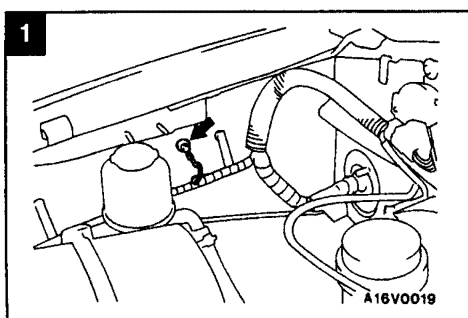
36V0034

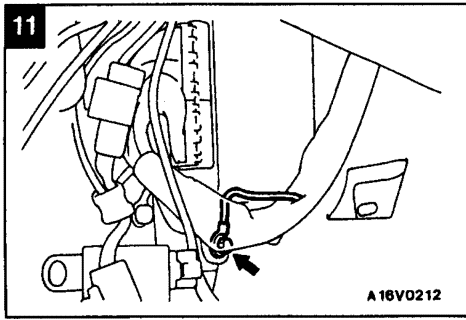
Double cab



36V0033

00005191





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HEATED SEAT

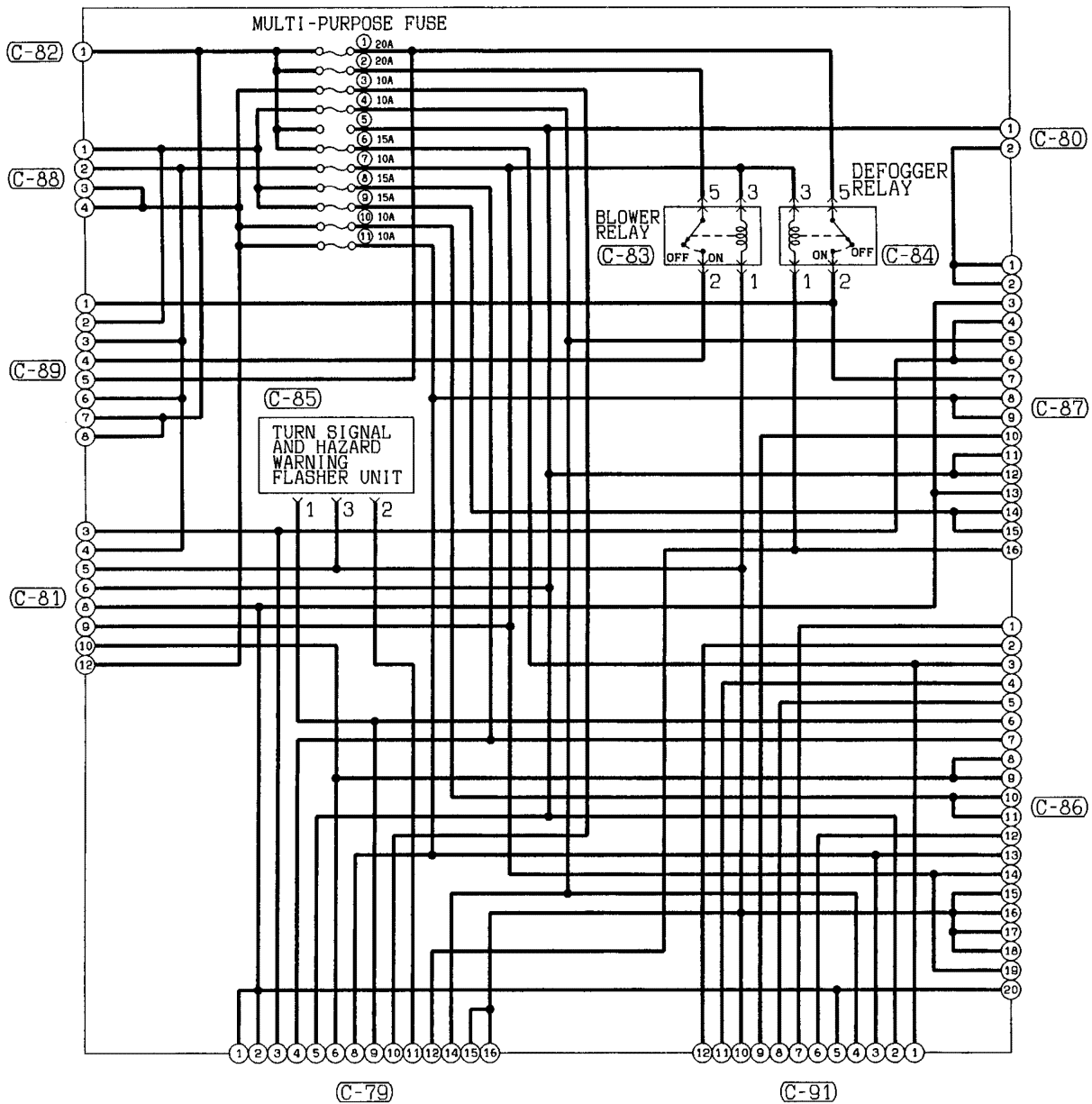
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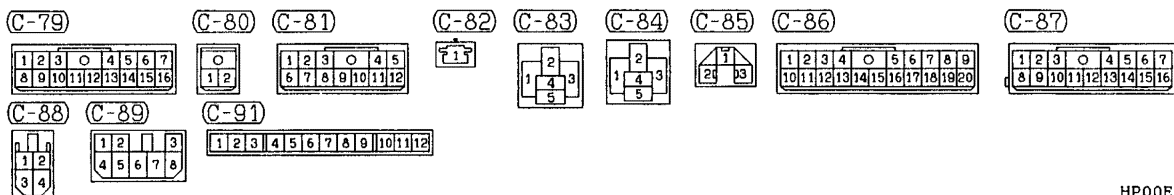
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JUNCTION BLOCK (J/B)

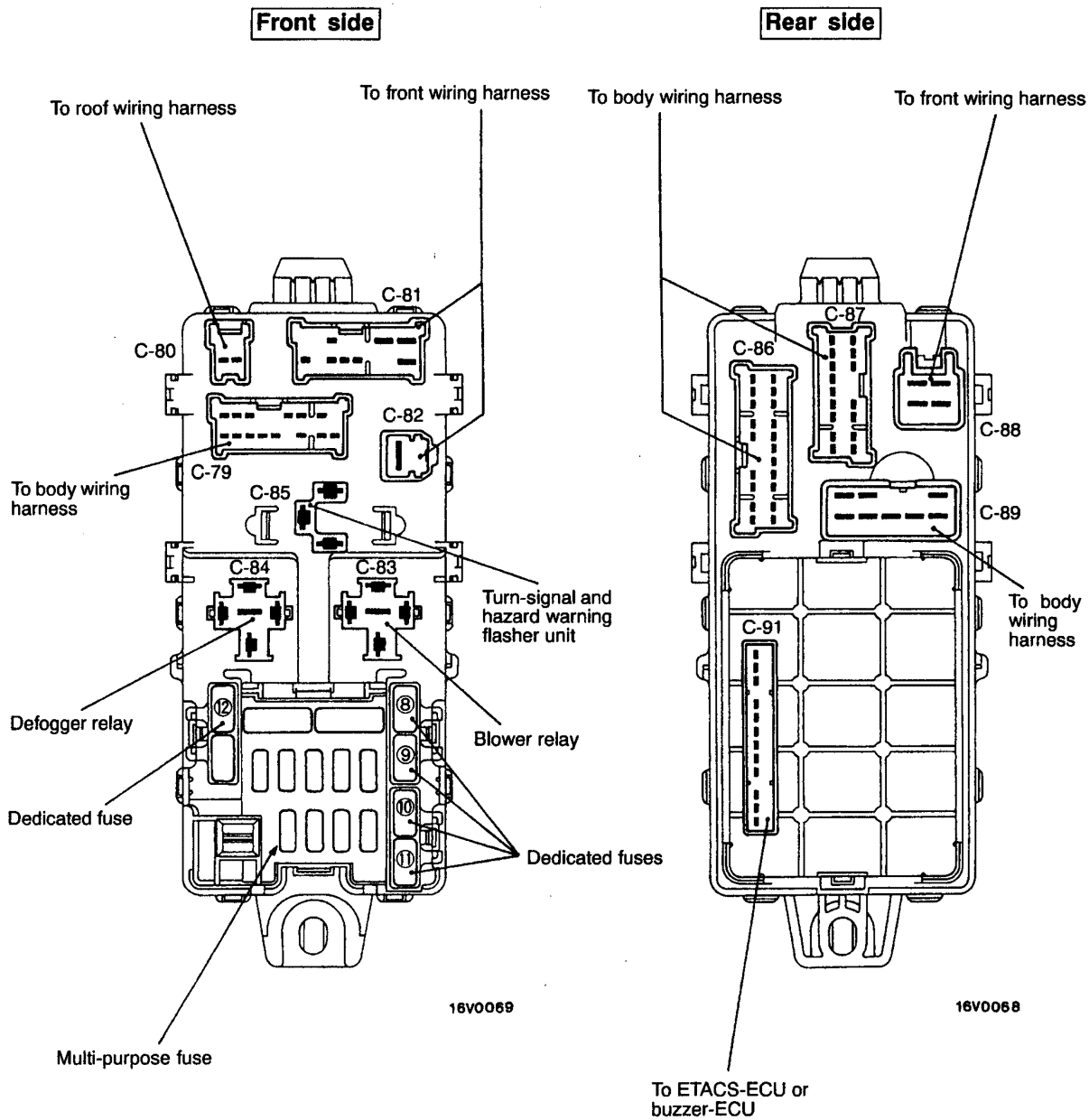
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Remark
Connector numbers are keyed to the configuration diagram and each circuit diagram.

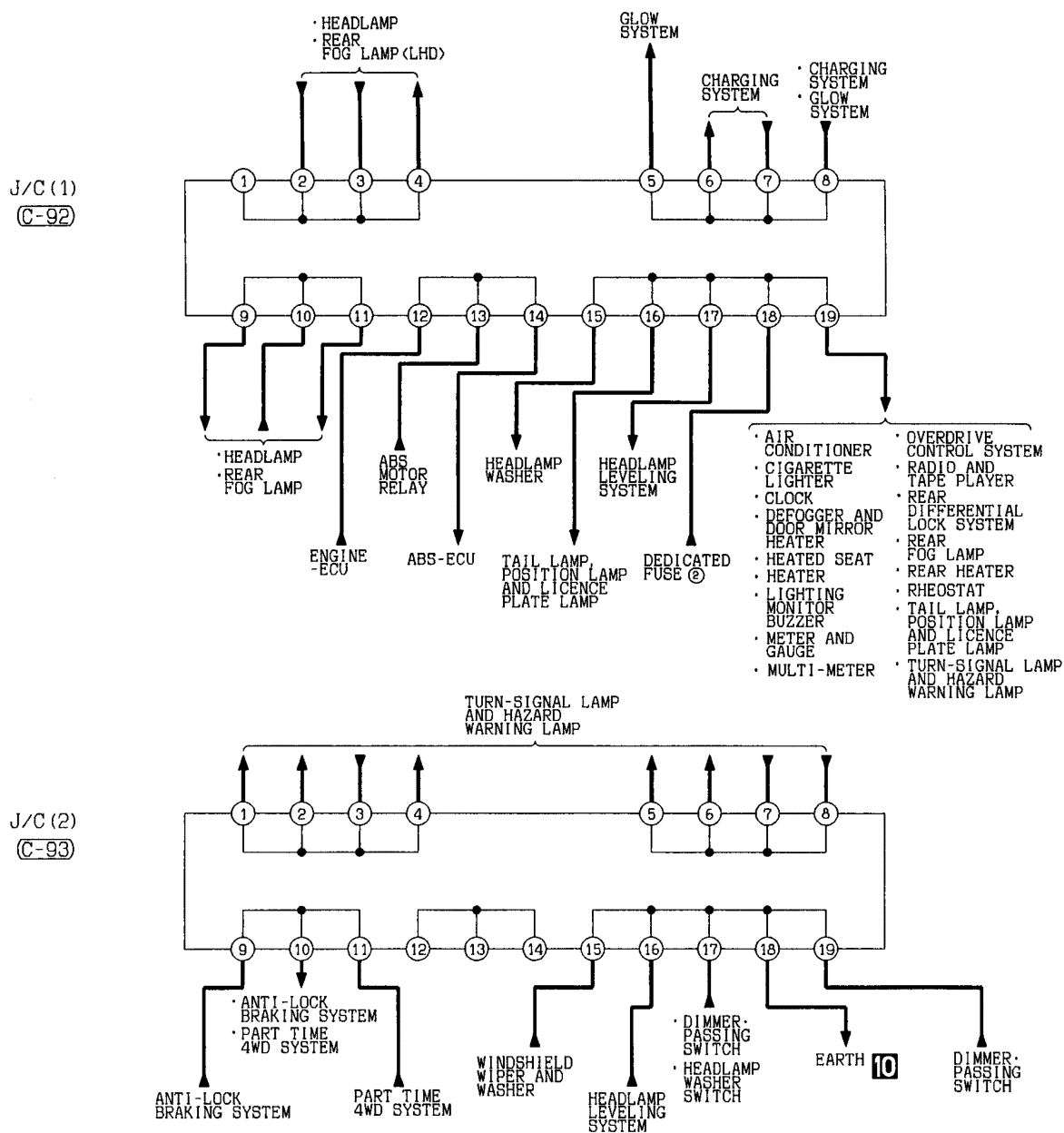


HP00E00AA



JOINT CONNECTOR (J/C)

90101420174



(C-92)

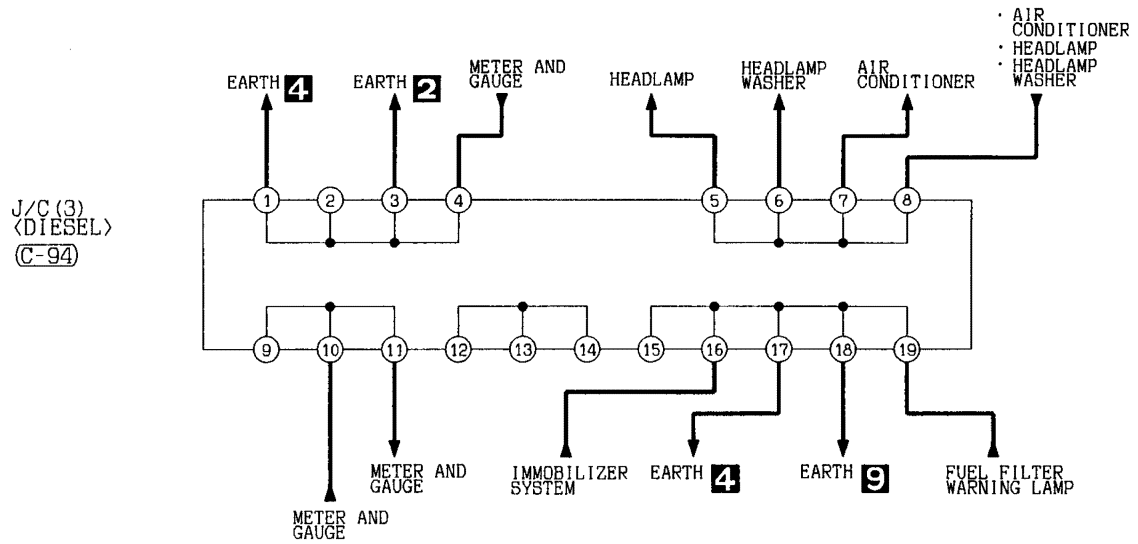
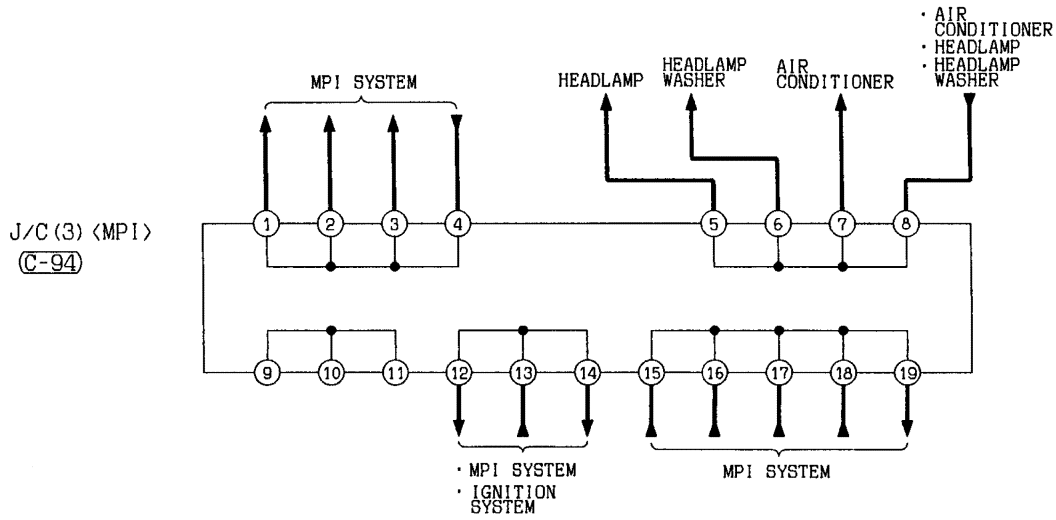
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9	10	11	12	13	14	15	16
17	18	19					

(C-93)

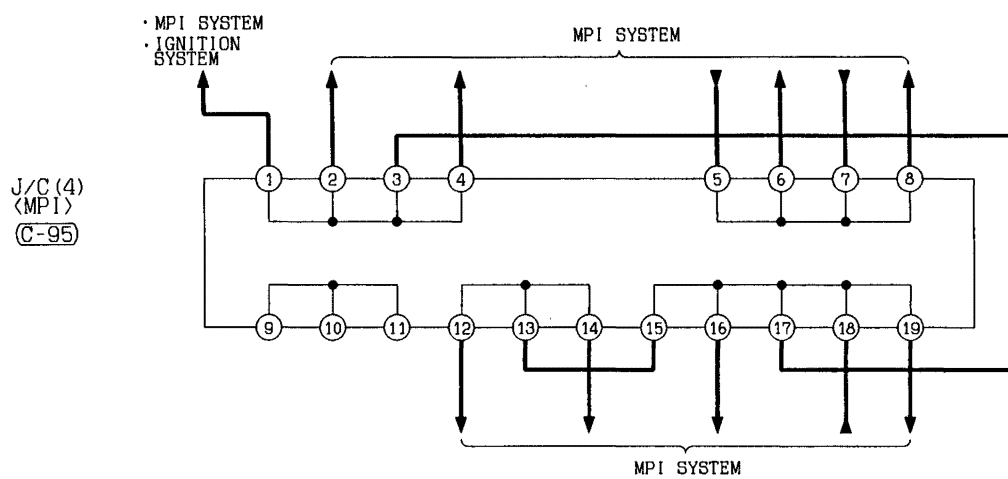
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(C-94)

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17	18	19					



JOINT CONNECTOR (CONTINUED)



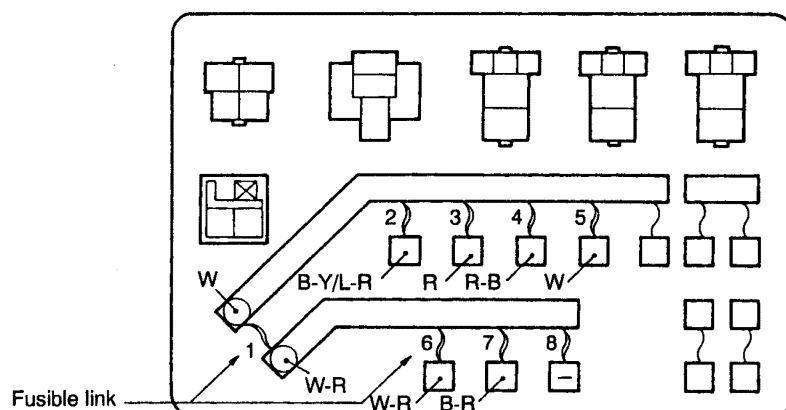
(C-95)

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90100030514

CENTRALIZED JUNCTION**FUSIBLE LINK**

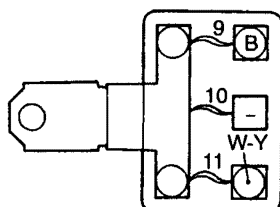
No.	Circuit	Housing colour	Rated capacity (A)
1	Fusible link No. (6), (7), <when the engine is stopped> and fusible link No. (2), (3), (4), (5), dedicated fuse No. (1) <after start of the engine>	Black	80
2	Intercooler fan and MPI circuit	Light blue	20
3	Headlamp, tail lamp, rear fog lamp, alternator and dedicated fuse No. (2), (3), (4) circuit	Pink	30
4	Power window circuit	Pink	30
5	Ignition switch, starting circuit	Green	40
6	Dedicated fuse No. (5), (8), (12), (13), (14), (15) and multi-purpose fuse No. (1), (2), (6) circuit	Green	40
7	Dedicated fuse No. (6), (7) circuit	Pink	30
8	–	–	–
9	Glow circuit	Black	80
10	–	–	–
11	ABS circuit	Yellow	60

(Relay box in engine compartment)

B16S0162

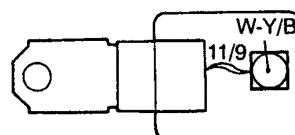
(Connected directly to battery positive terminal)

<Diesel-powered vehicles with ABS>



A16W0140

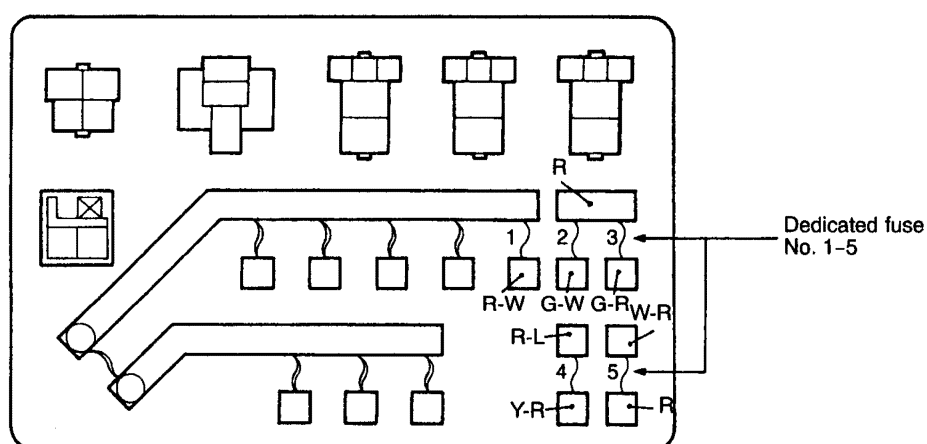
<Petrol-powered vehicles with ABS and diesel-powered vehicles without ABS>



A16V0181

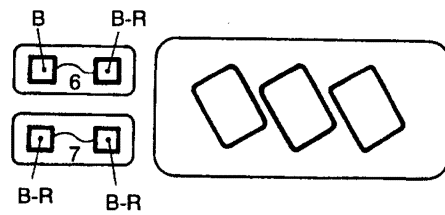
DEDICATED FUSE (Relay box in engine compartment)

Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Battery/Alternator (Fusible link No. 1)	1	10	Red	Hazard warning lamp
Tail lamp relay (Fusible link No. 3)	2	10	Red	Tail lamp and illumination
	3	10	Red	Tail lamp
Headlamp relay (Fusible link No. 3)	4	10	Red	Rear fog lamp and high beam indicator
Battery/Alternator (Fusible link No. 6)	5	10	Red	Clock, radio, room lamp, ignition key hole illumination lamp <LHD> ECU-Power supply and MUT-II power supply
Battery/Alternator (Fusible link No. 7)	6	20	Yellow	Condenser fan motor
	7	10	Red	A/C compressor
Battery/Alternator (Fusible link No. 6)	8	10	Red	Stop lamp
Ignition switch (ACC)	9	10	Red	Daytime running lamp <LHD> and horn
Ignition switch (IG2)	10	10	Red	Heated seat and power window
	11	10	Red	Overdrive control relay <LHD>
Battery/Alternator (Fusible link No. 6)	12	15	Blue	Fuel line heater <LHD>
Battery/Alternator (Fusible link No. 6)	13	10	Red	Rear fan motor
Defogger relay (Fusible link No. 6)	14	10	Red	Door mirror heater
Battery/Alternator (Fusible link No. 6)	15	20	Yellow	Defogger (Vehicles with Defogger timer)

(Relay box in engine compartment)

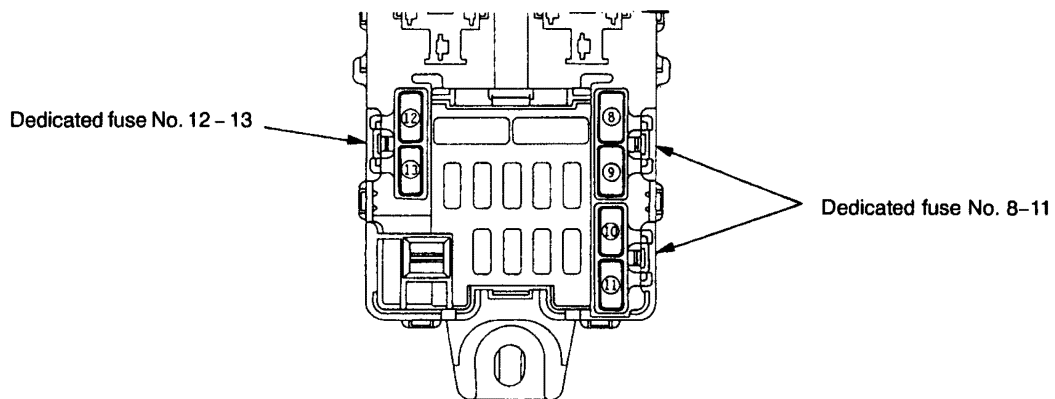
D16S0162

(A/C relay bracket in engine compartment)



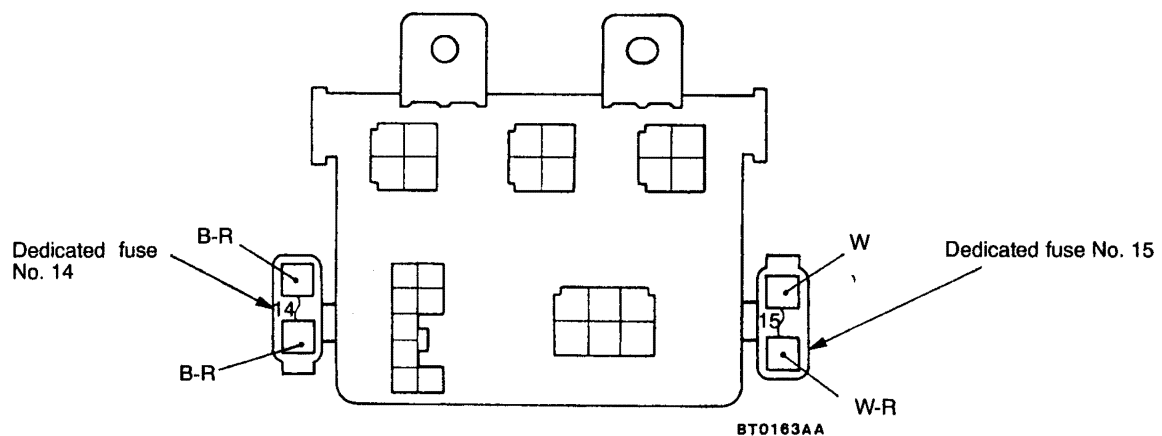
A16V0067

(In junction block)



BV0017AA

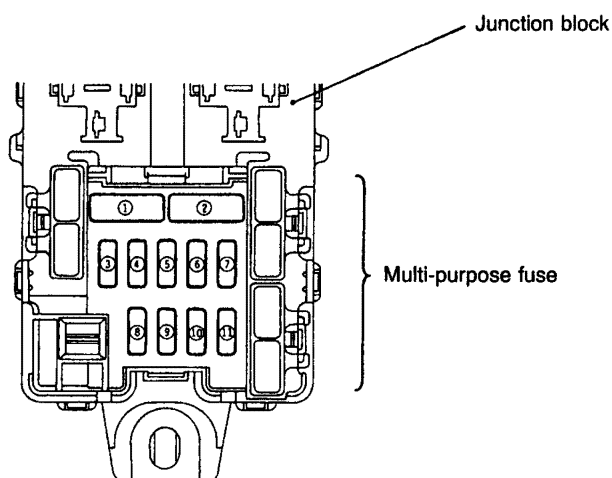
(Relay box in passenger compartment)



BT0163AA

MULTI-PURPOSE FUSE (In junction block)

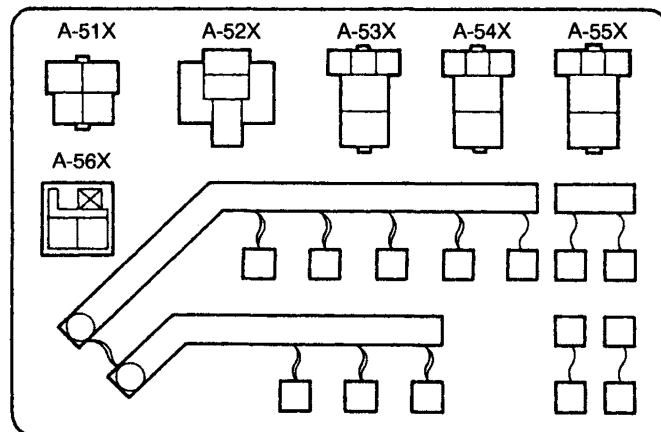
Power supply circuit		No.	Rated capacity (A)	Housing colour	Load circuit
Battery		1	20	Yellow	Defogger and door mirror heater
		2	20	Yellow	Blower motor
Ignition switch	IG1	3	10	Red	Turn signal and hazard warning flasher unit
	ACC	4	10	Red	ETACS-ECU, clock and radio
Battery		5	-	-	-
		6	15	Blue	ETACS-ECU
Ignition switch	IG2	7	10	Red	ABS-ECU, defogger relay, DRL relay, dim-dip lamp relay, headlamp washer relay, blower relay, A/C switch, condenser fan control relay, defogger timer, defogger switch and rear heater relay
	ACC	8	15	Blue	Cigarette lighter and remote controlled mirror
	ACC	9	15	Blue	Intermittent wiper relay, washer motor and wiper motor
	IG1	10	10	Red	Combination meter, back-up lamp, rear differential lock-ECU and SRS diagnosis unit
	IG1	11	10	Red	ABS-ECU, combination meter, ETACS-ECU, immobilizer-ECU, multi-meter, 4WD indicator-ECU, rear differential lock-ECU, SRS diagnosis unit and engine-ECU



A16V0071

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

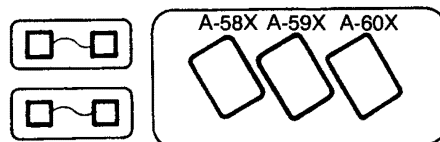
Connector No.	Name	Connector No.	Name
A-51X	Alternator relay	A-54X	Headlamp relay
A-52X	Starter relay	A-55X	Tail lamp relay
A-53X	Intercooler fan relay	A-56X	Storage connector



16S0162

(A/C relay bracket in engine compartment)

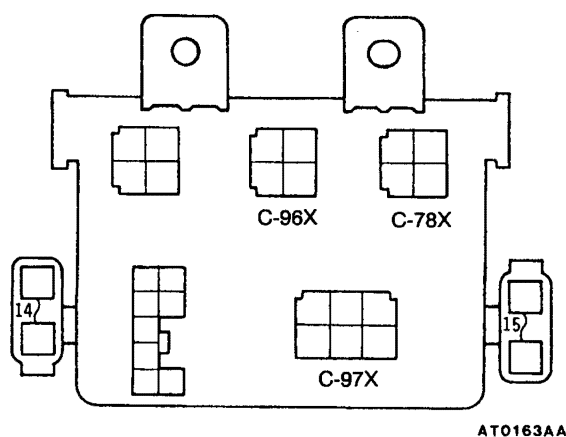
Connector No.	Name	Connector No.	Name
A-58X	A/C compressor relay	A-60X	Condenser fan control relay
A-59X	Condenser fan relay		



16V0067

(Relay box in passenger compartment)

Connector No.	Name	Connector No.	Name
C-78X	Power window relay	C-97X	Defogger Timer
C-96X	Rear heater relay		

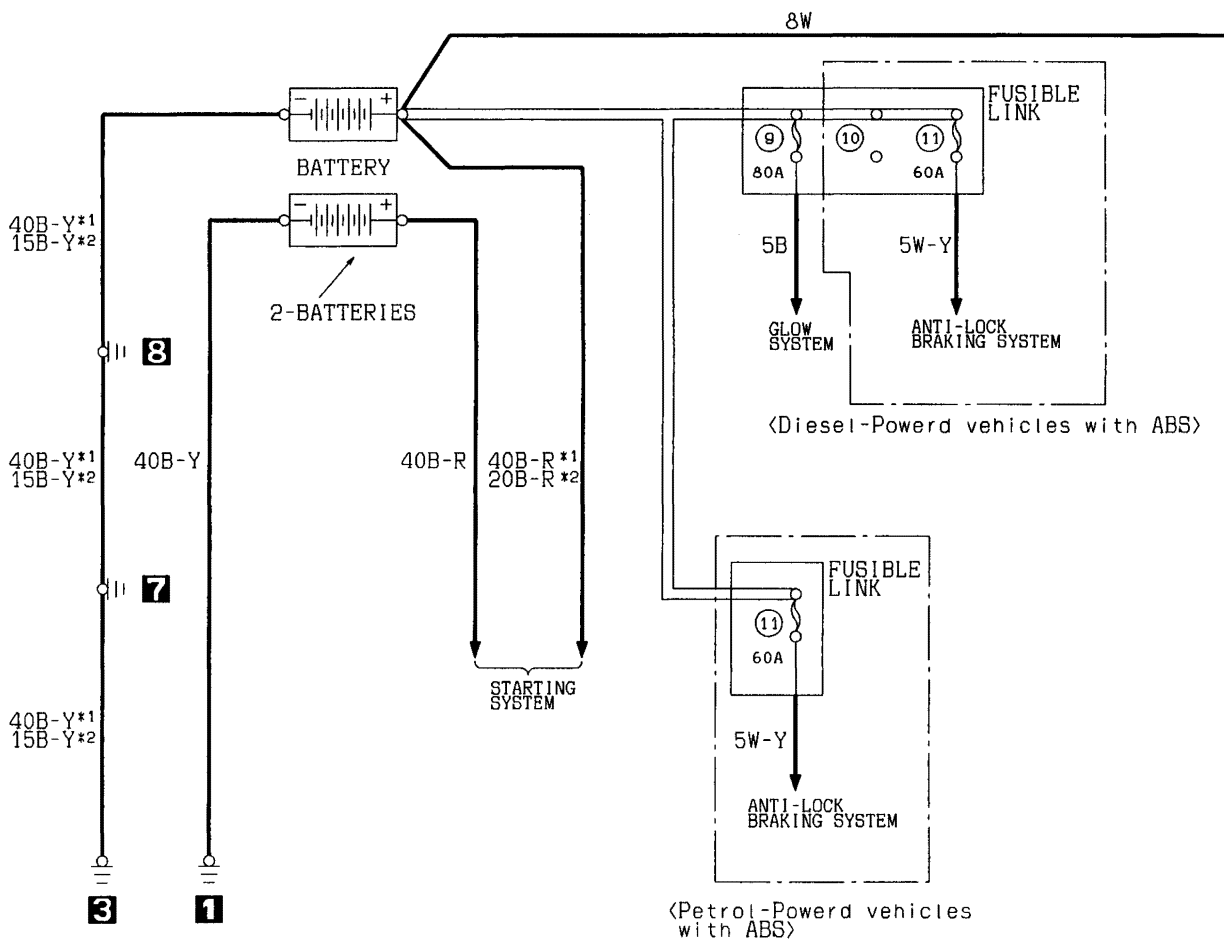


NOTES

POWER DISTRIBUTION SYSTEM

90100040210

L.H. drive vehicles <1997 Models>

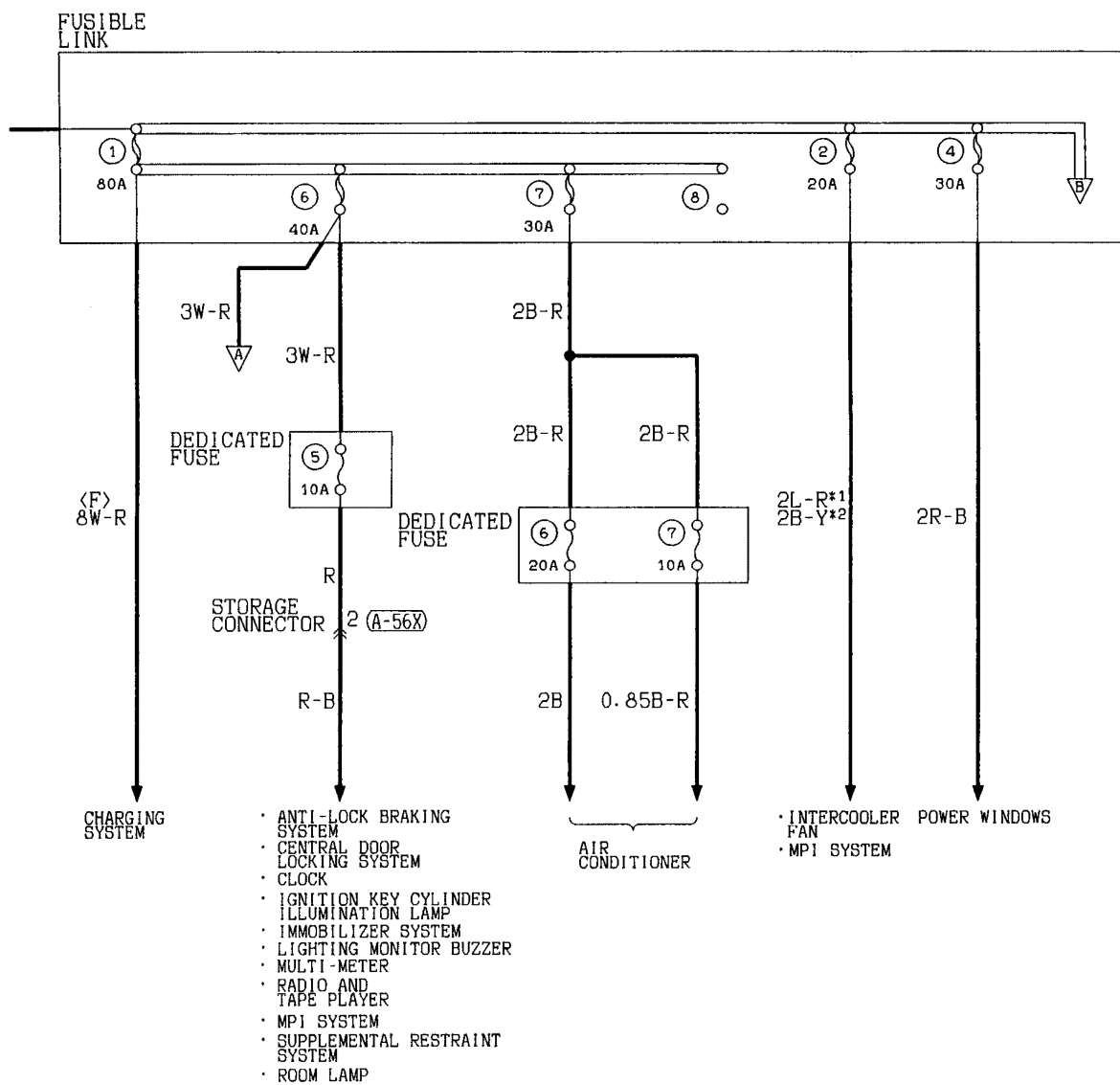


Remarks
 *1: Diesel
 *2: Petrol

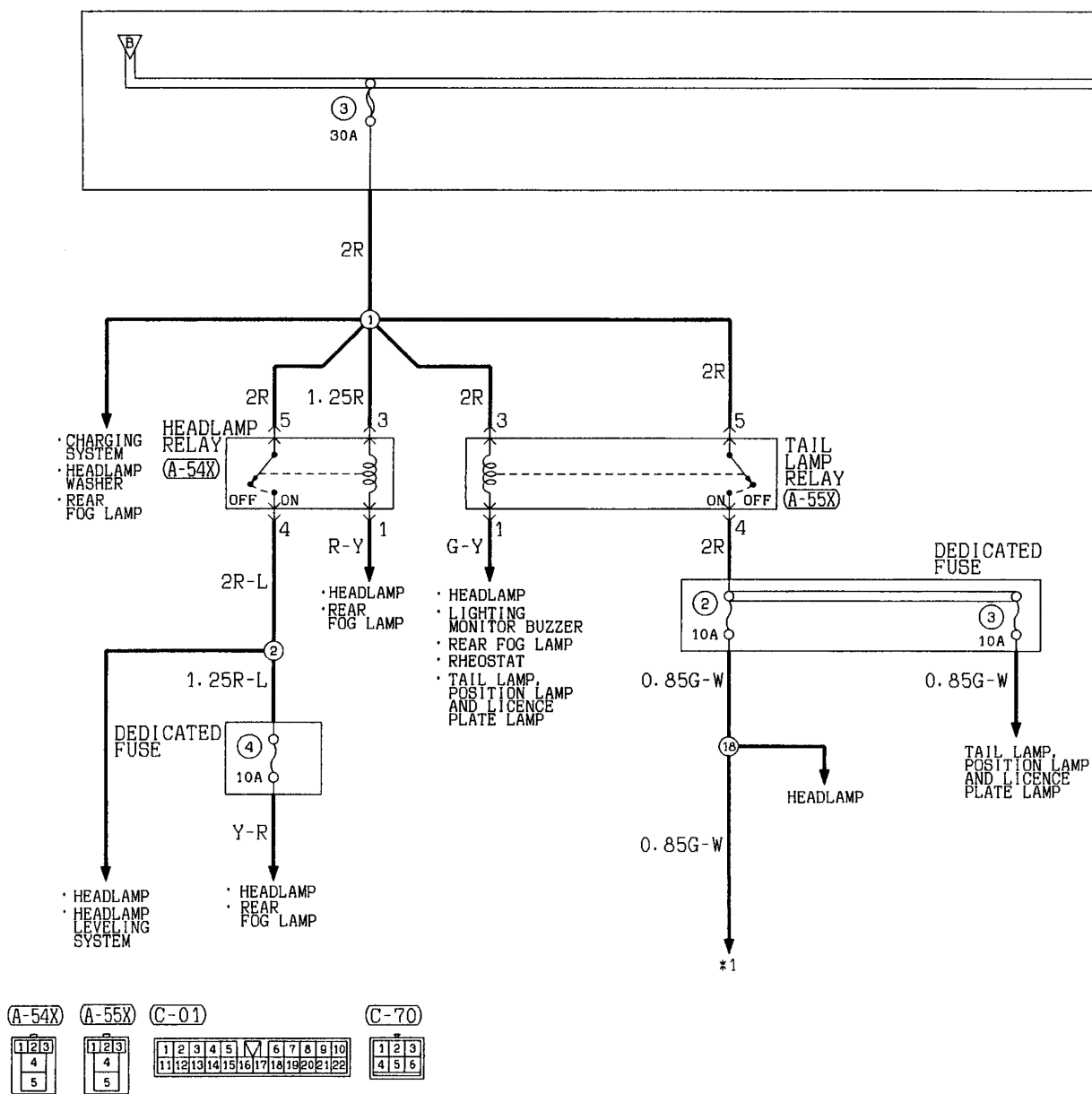
(A-56X)

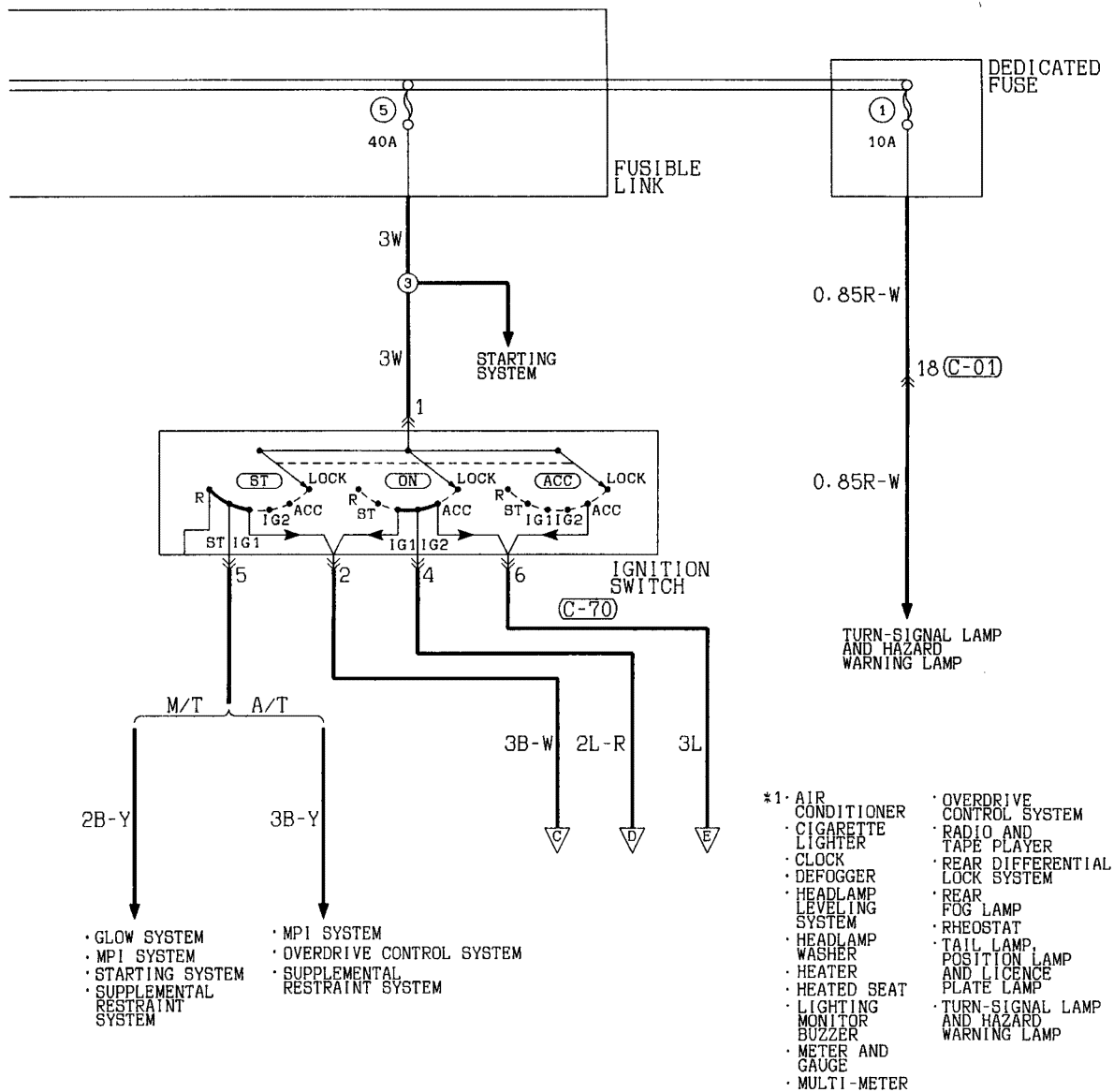


HP01E00AA

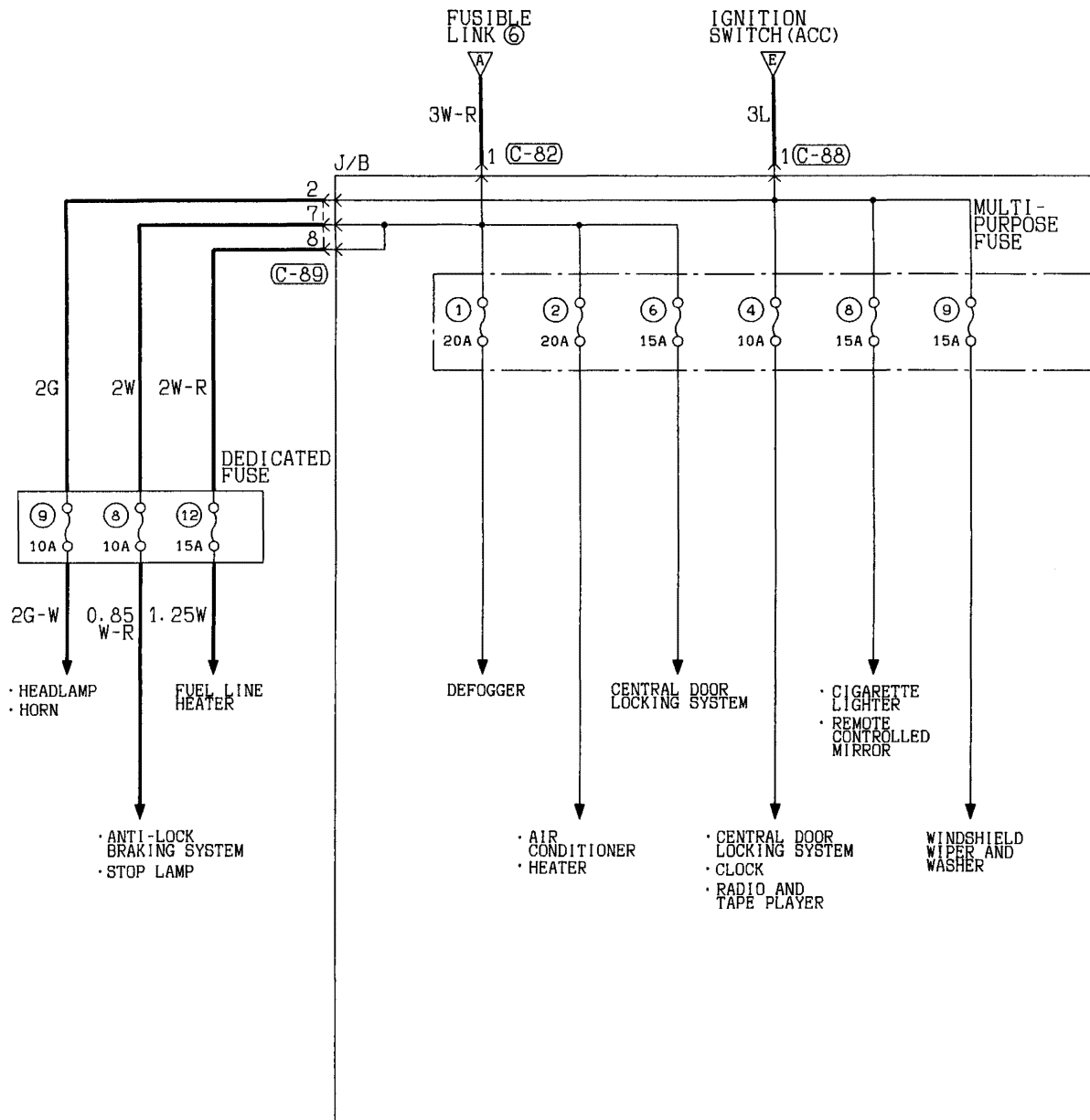


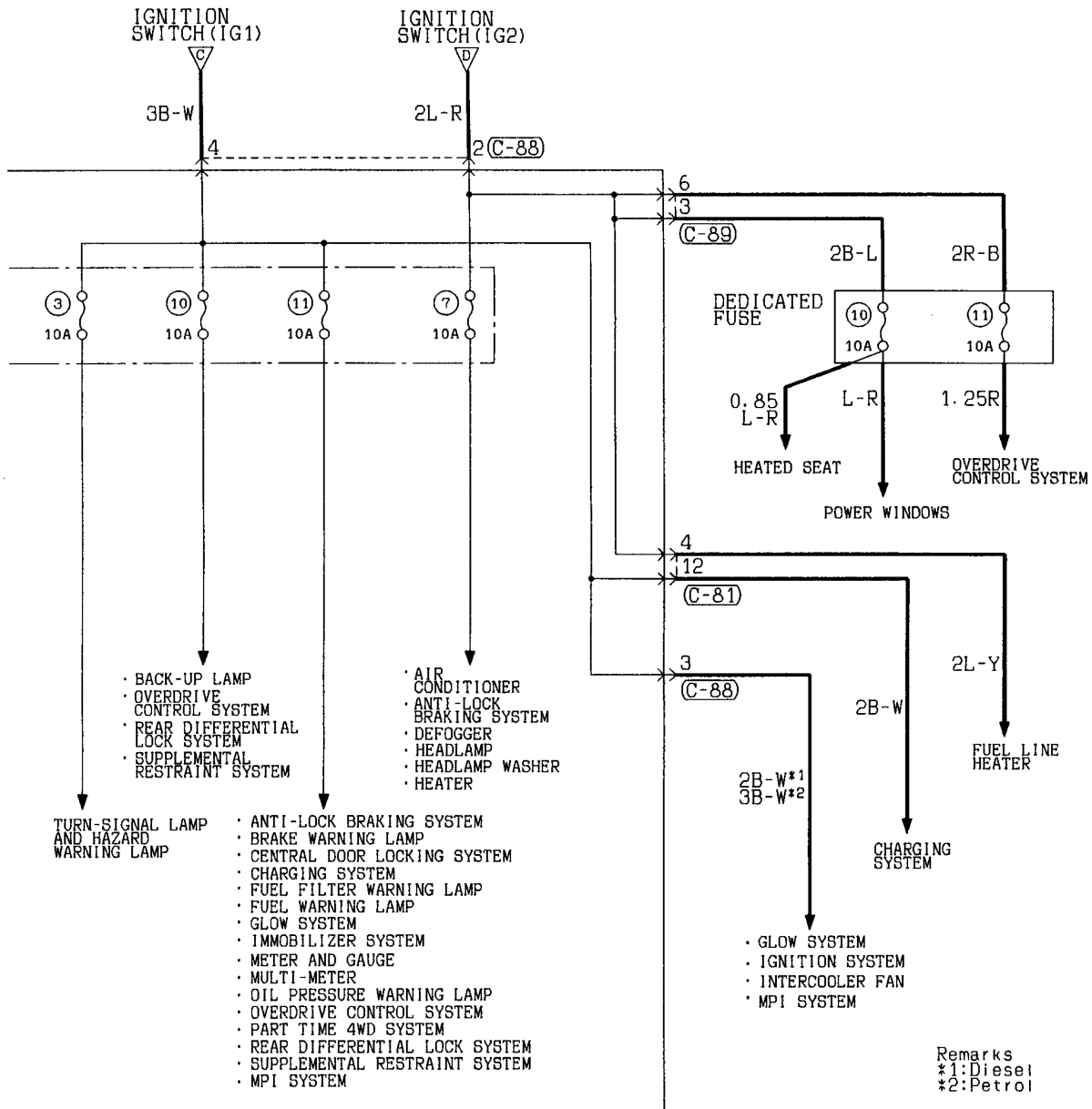
POWER DISTRIBUTION SYSTEM <L.H. drive vehicles (1997 Models)> (CONTINUED)





POWER DISTRIBUTION SYSTEM <L.H. drive vehicles (1997 Models)> (CONTINUED)

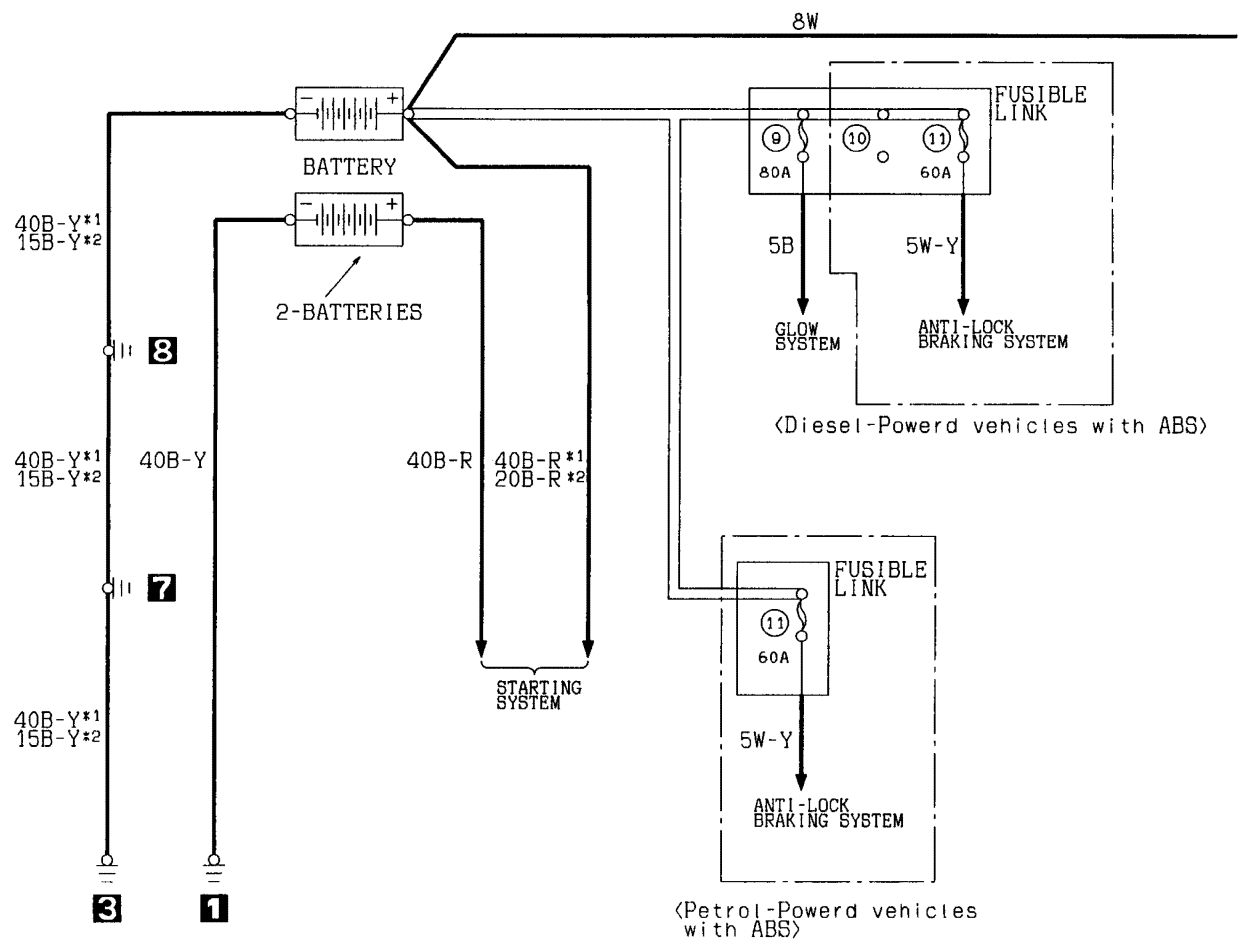




POWER DISTRIBUTION SYSTEM

90100040630

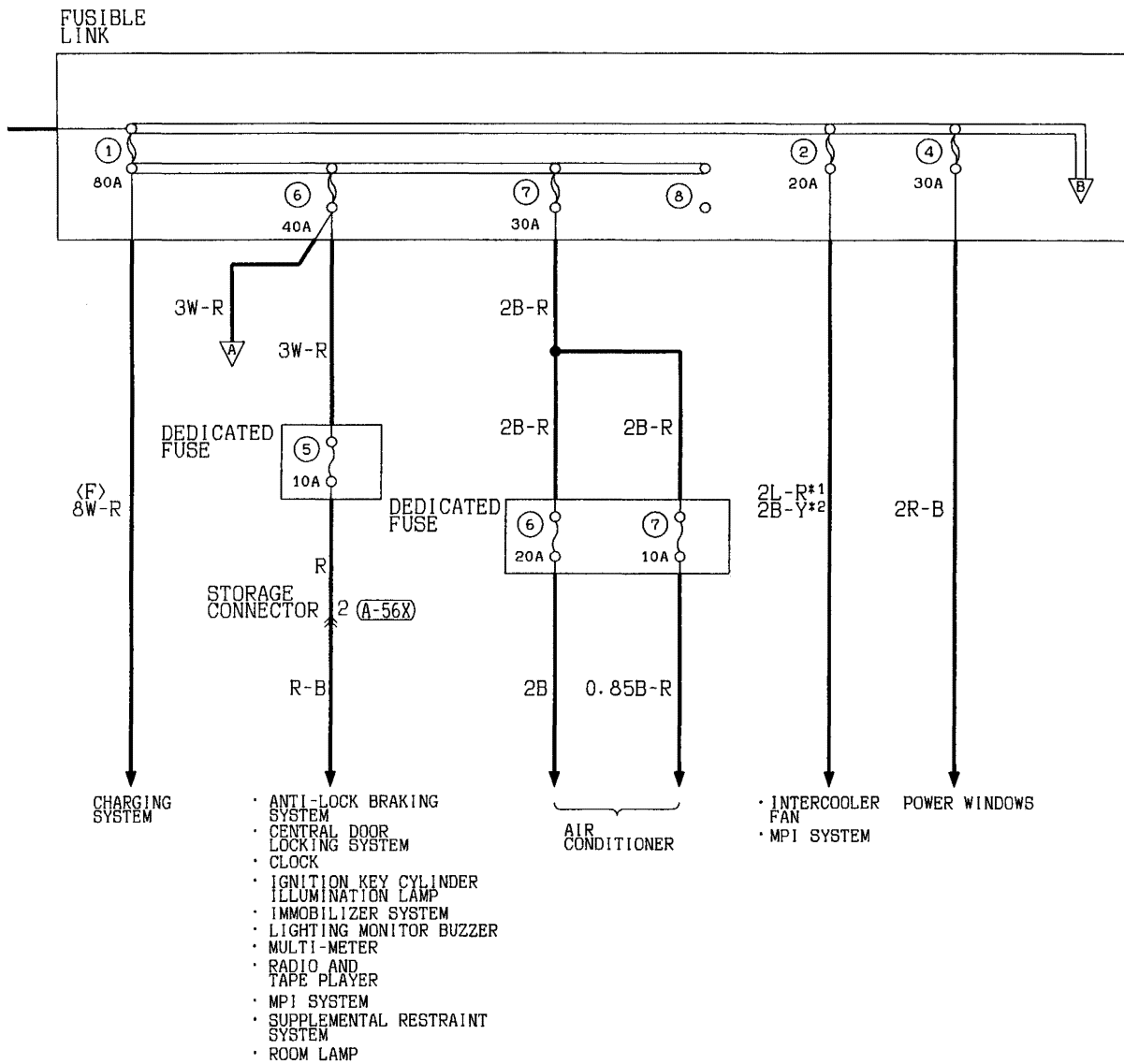
L.H. drive vehicles <1998 Models>

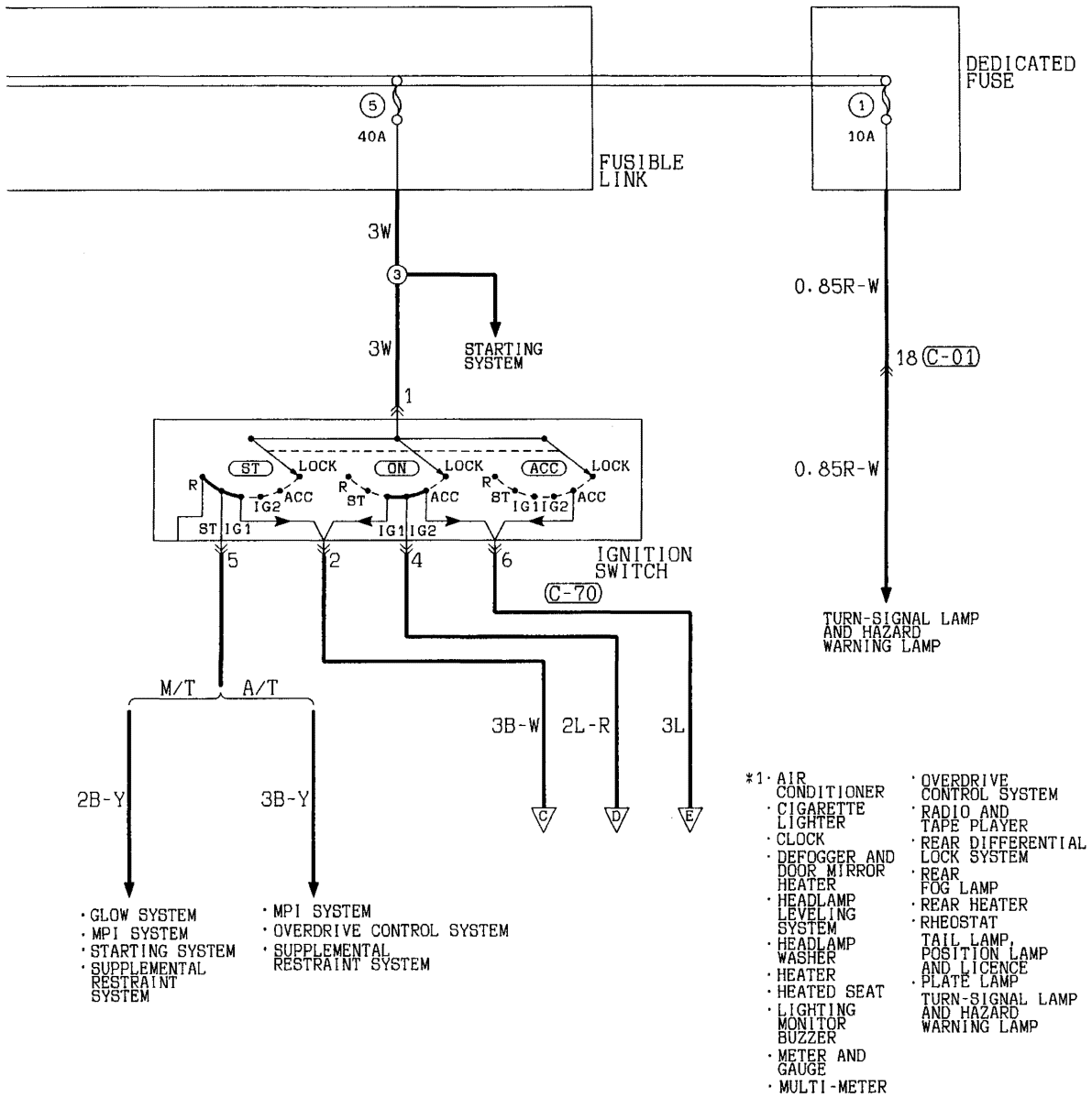


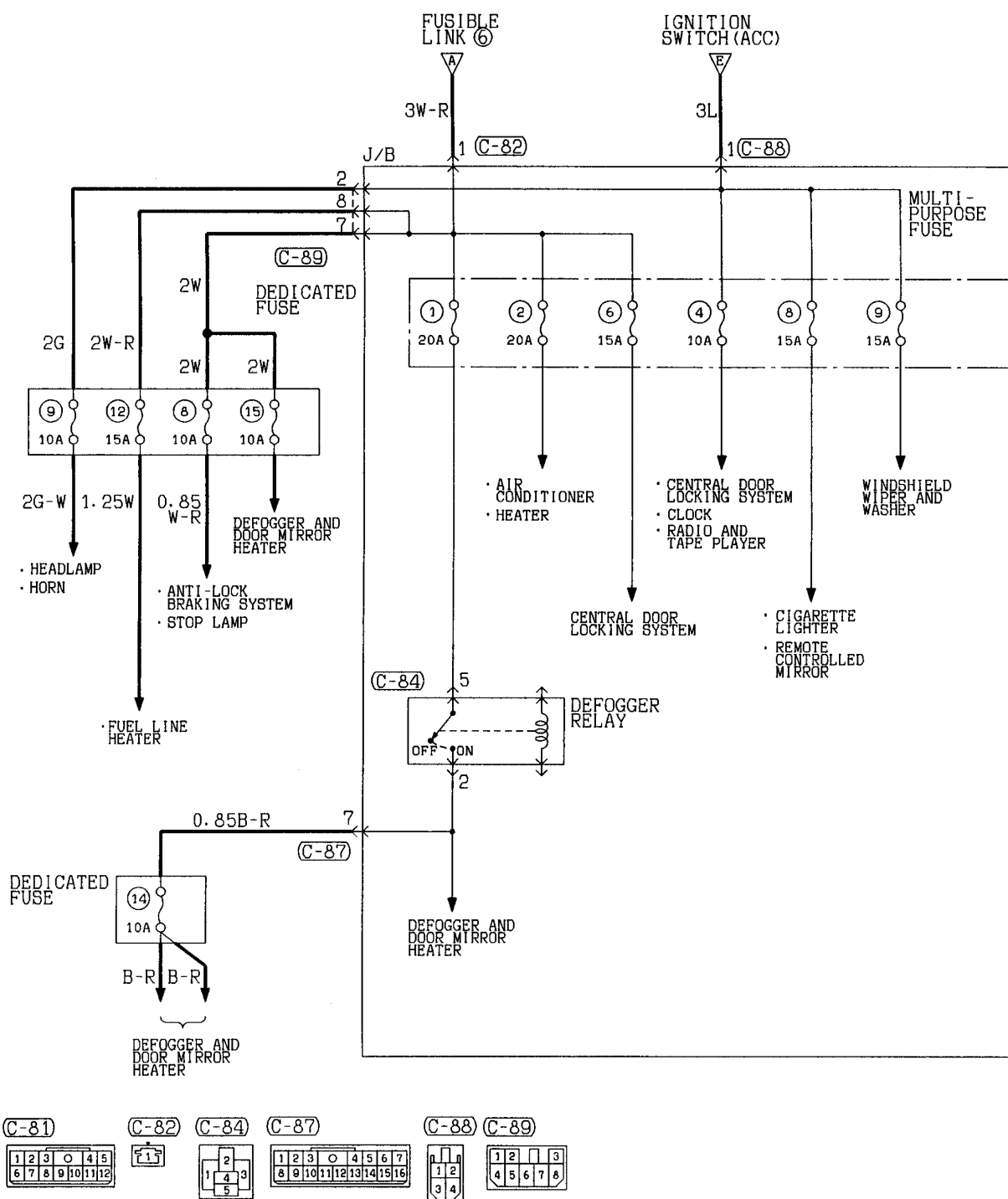
Remarks
*1:Diesel
*2:Petrol

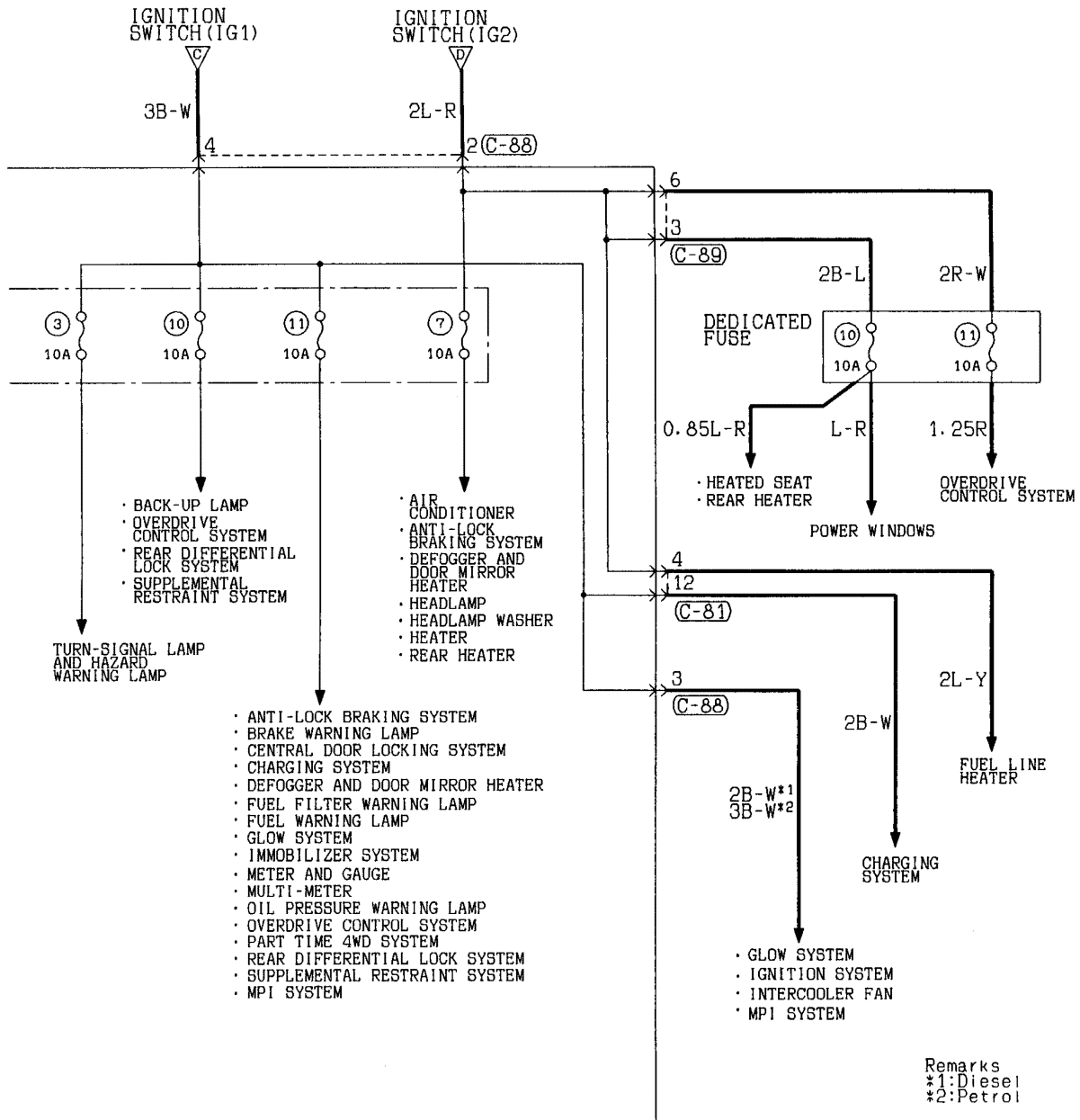
(A-56X)







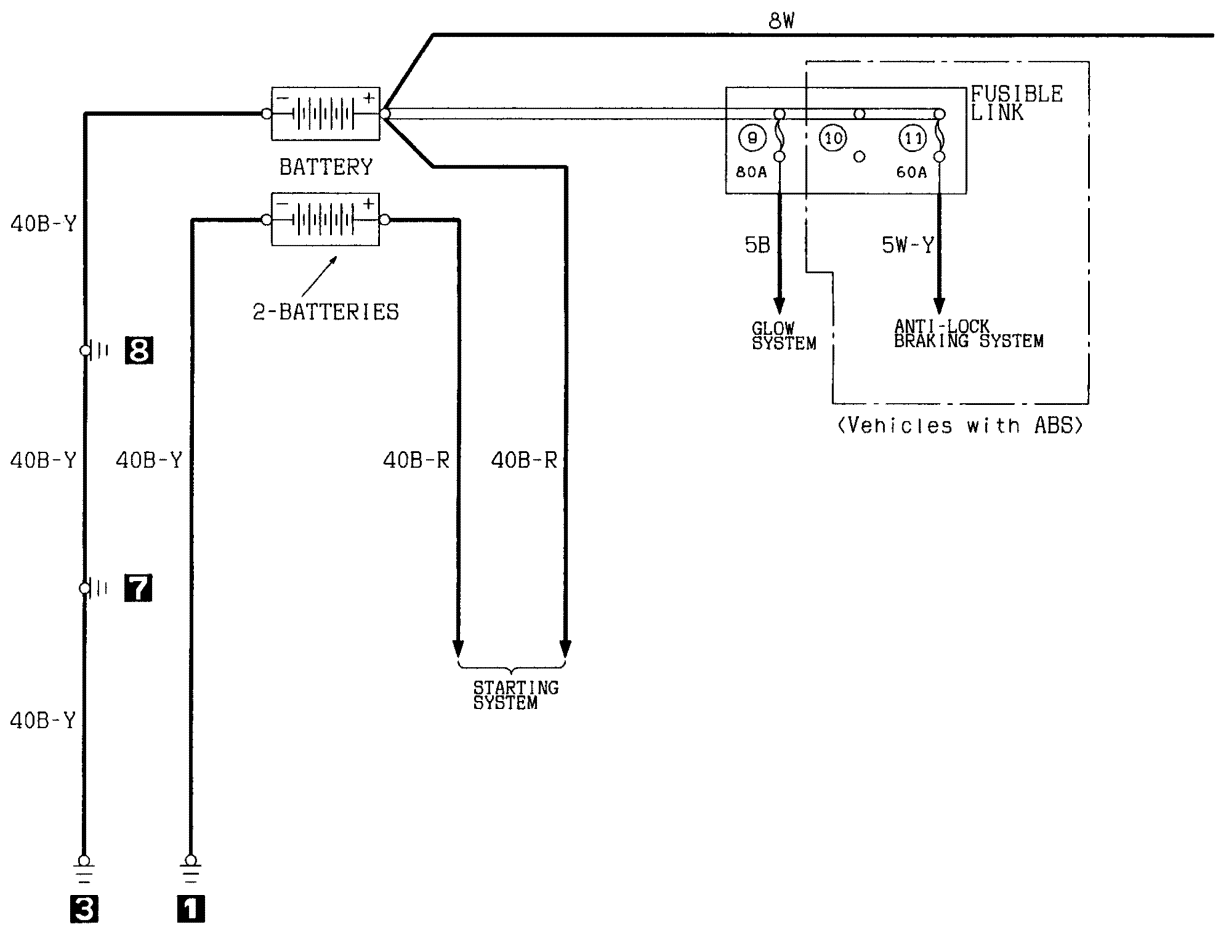
**POWER DISTRIBUTION SYSTEM <L.H. drive vehicles (1998 Models)>
(CONTINUED)**




POWER DISTRIBUTION SYSTEM

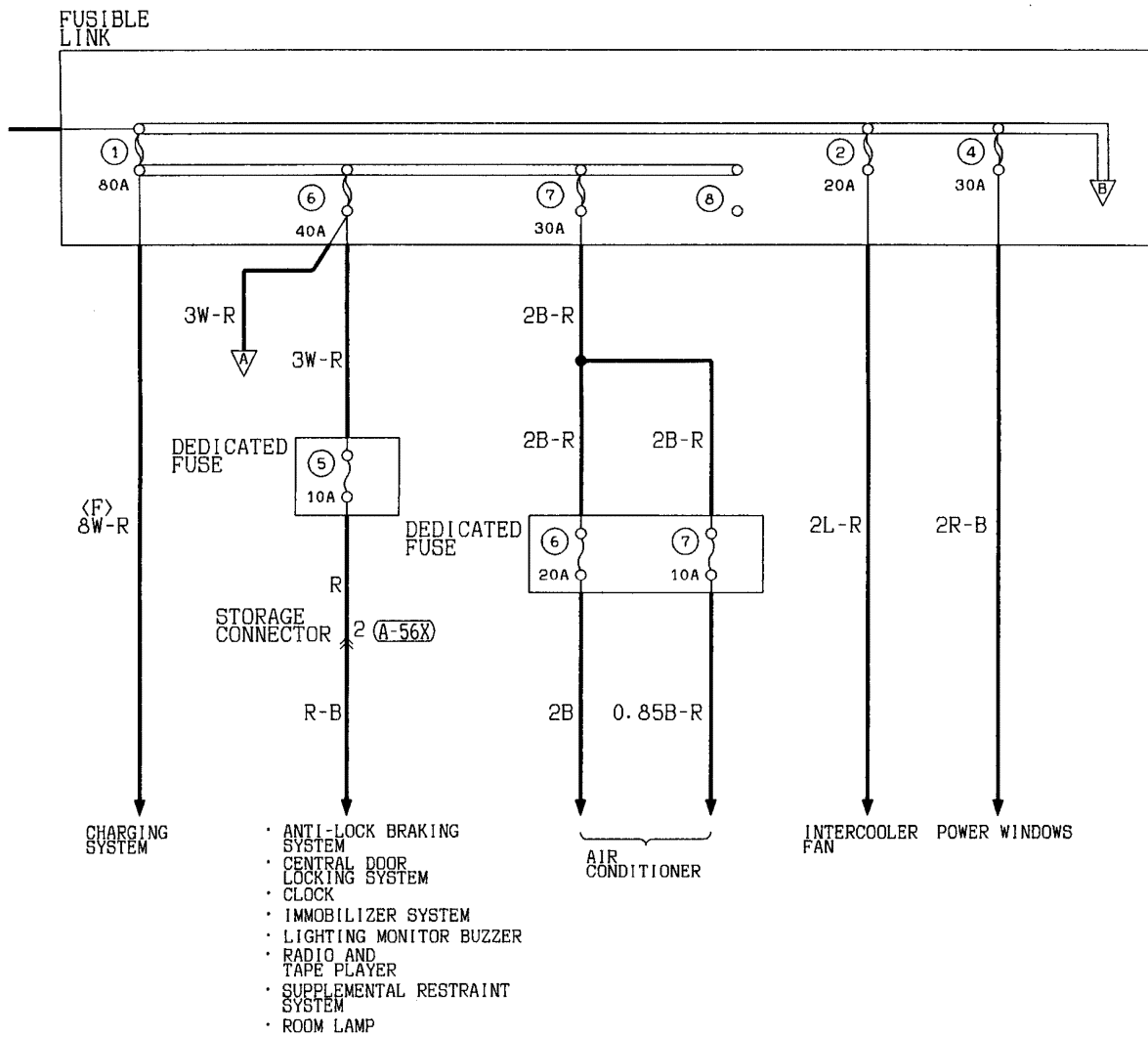
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R.H. drive vehicles <1997 Models>

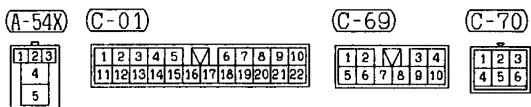
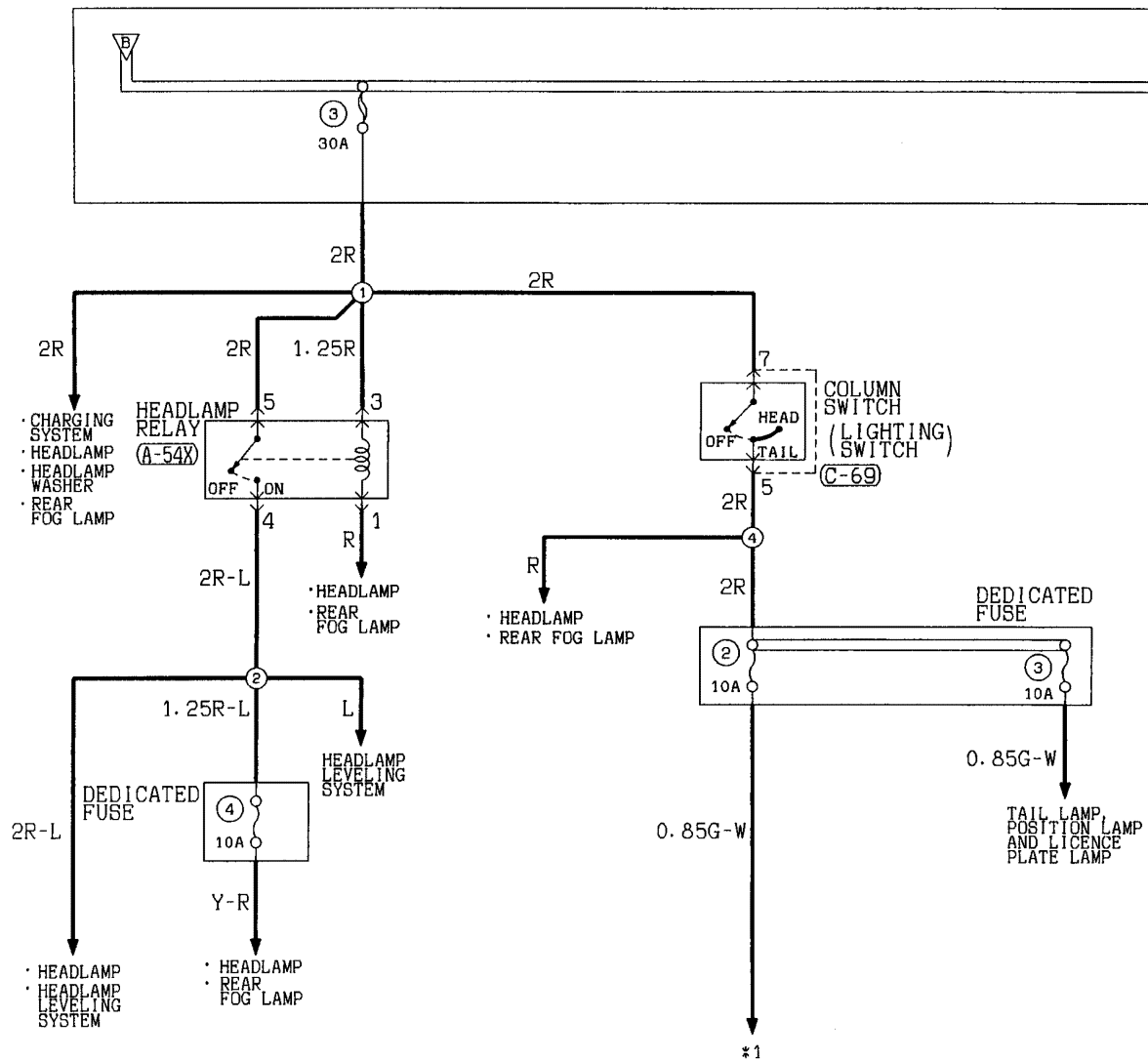


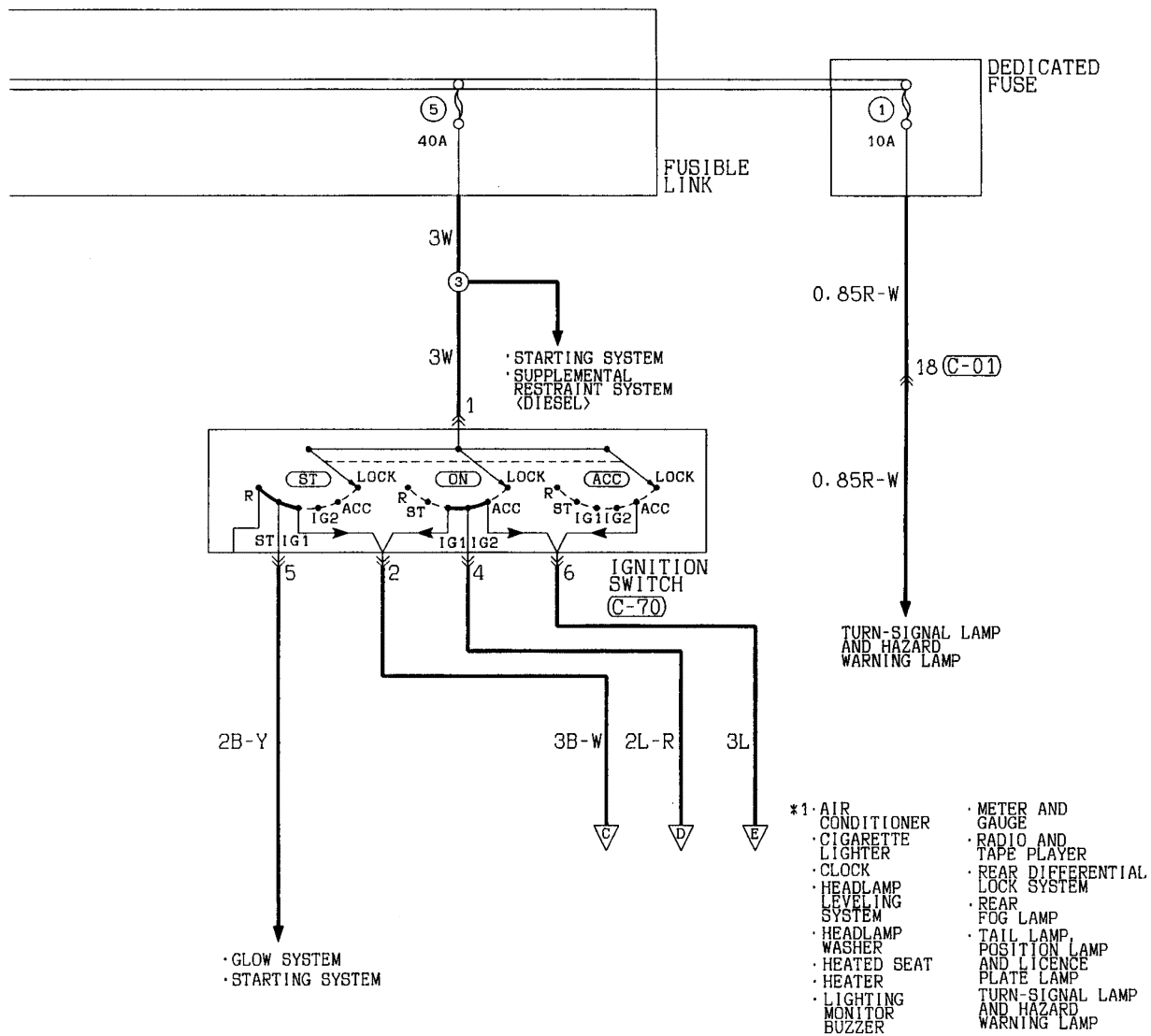
A-56X

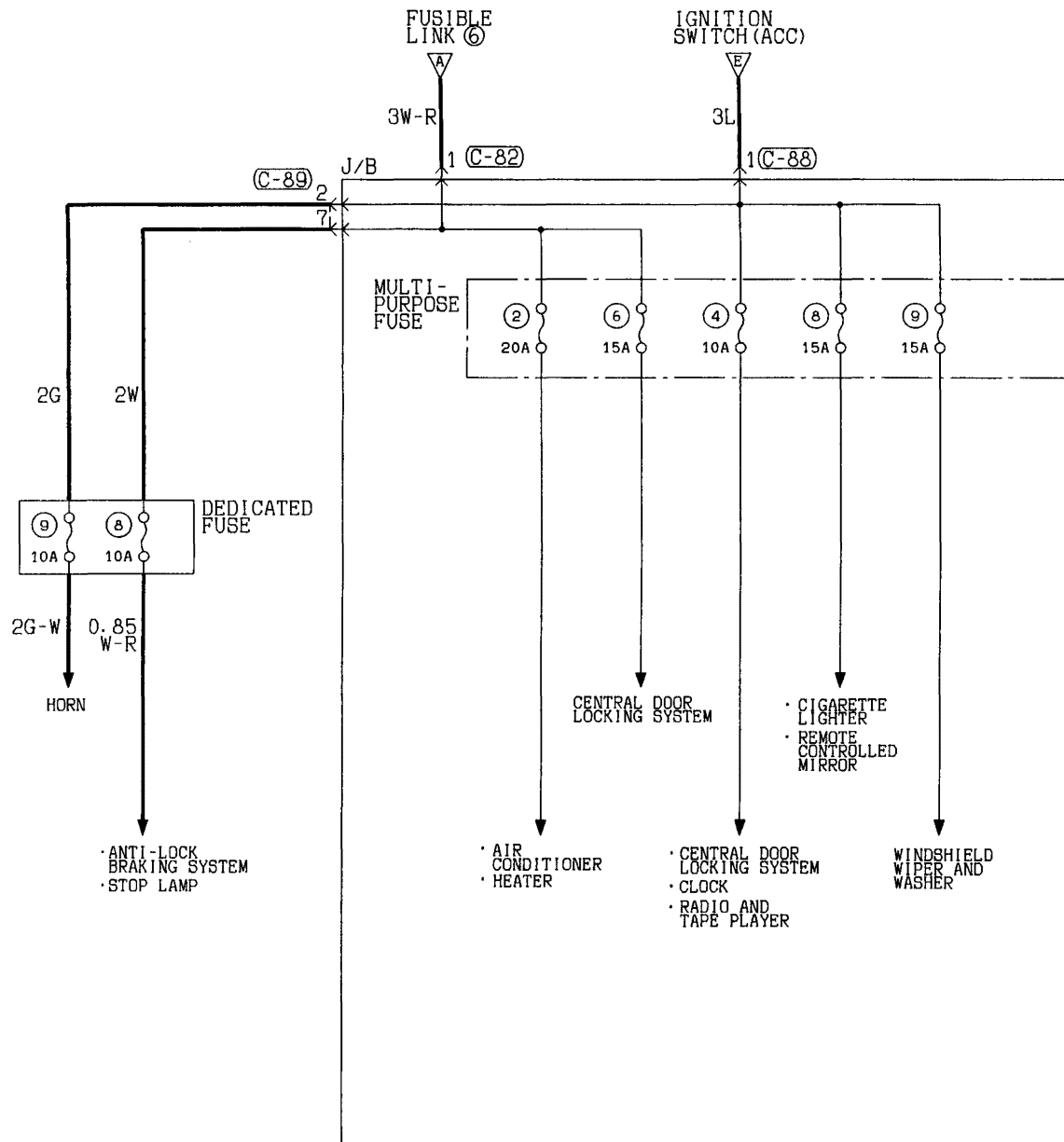




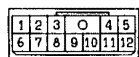
POWER DISTRIBUTION SYSTEM <R.H. drive vehicles (1997 Models)> (CONTINUED)





**POWER DISTRIBUTION SYSTEM <R.H. drive vehicles (1997 Models)>
(CONTINUED)**


(C-81)



(C-82)

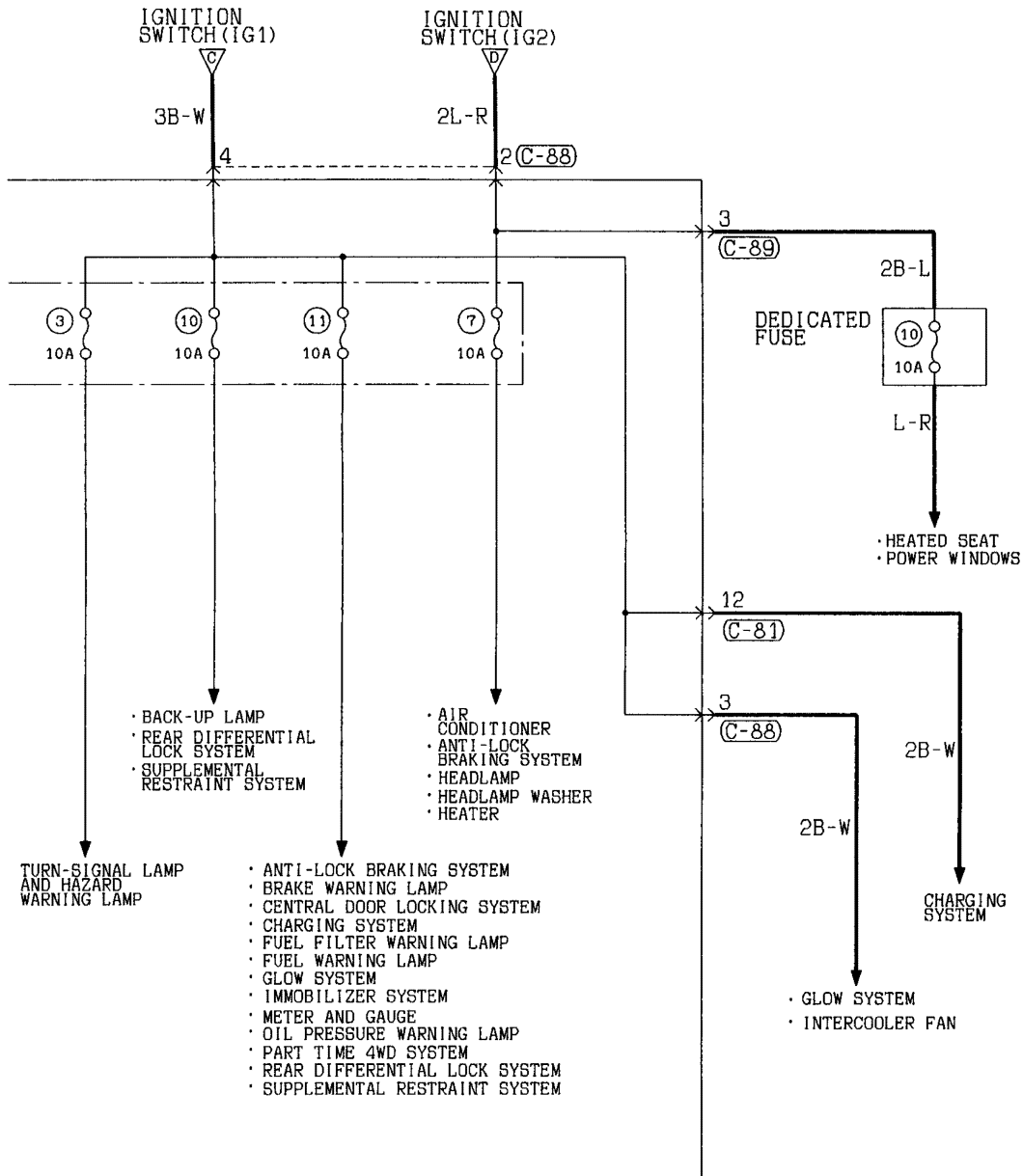


(C-88)



(C-89)

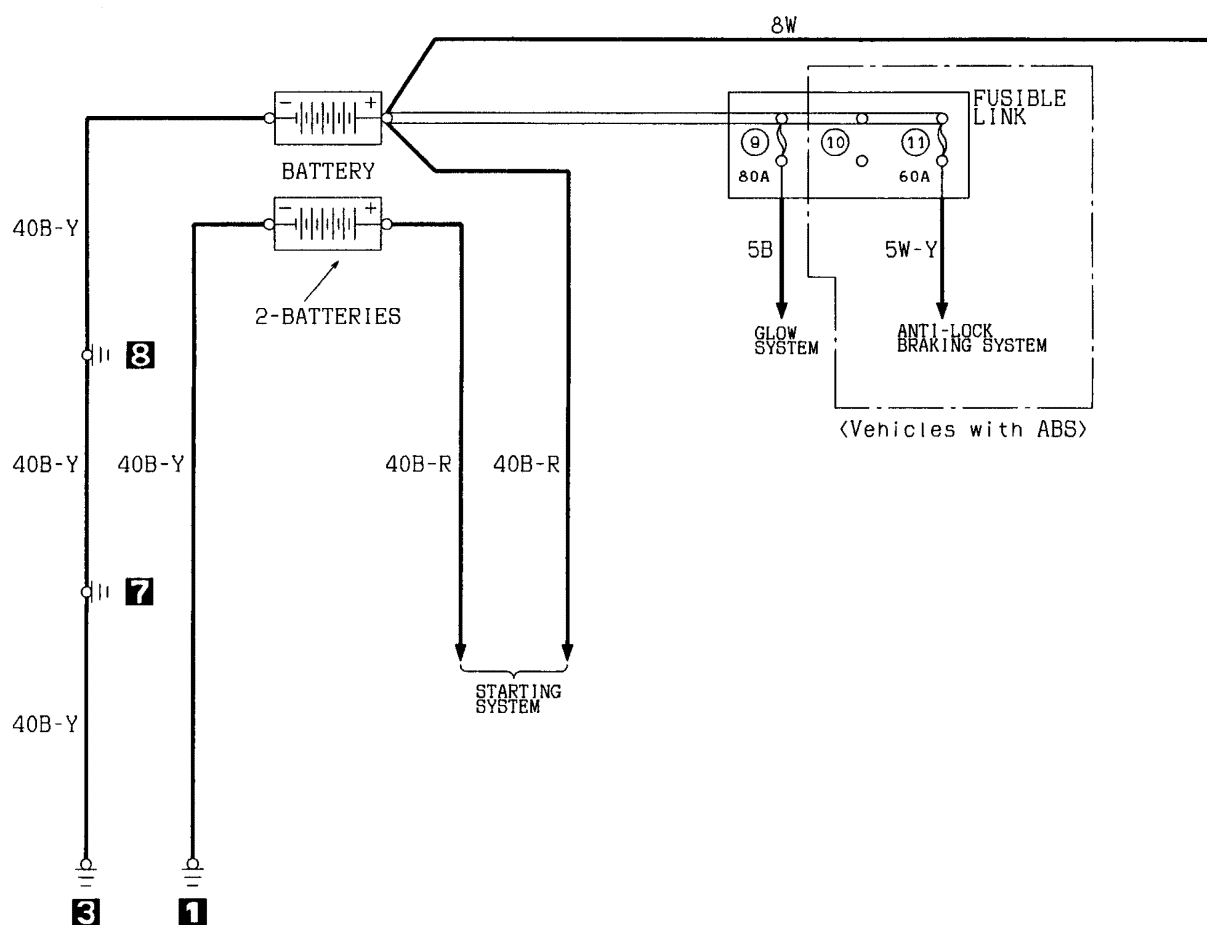




POWER DISTRIBUTION SYSTEM

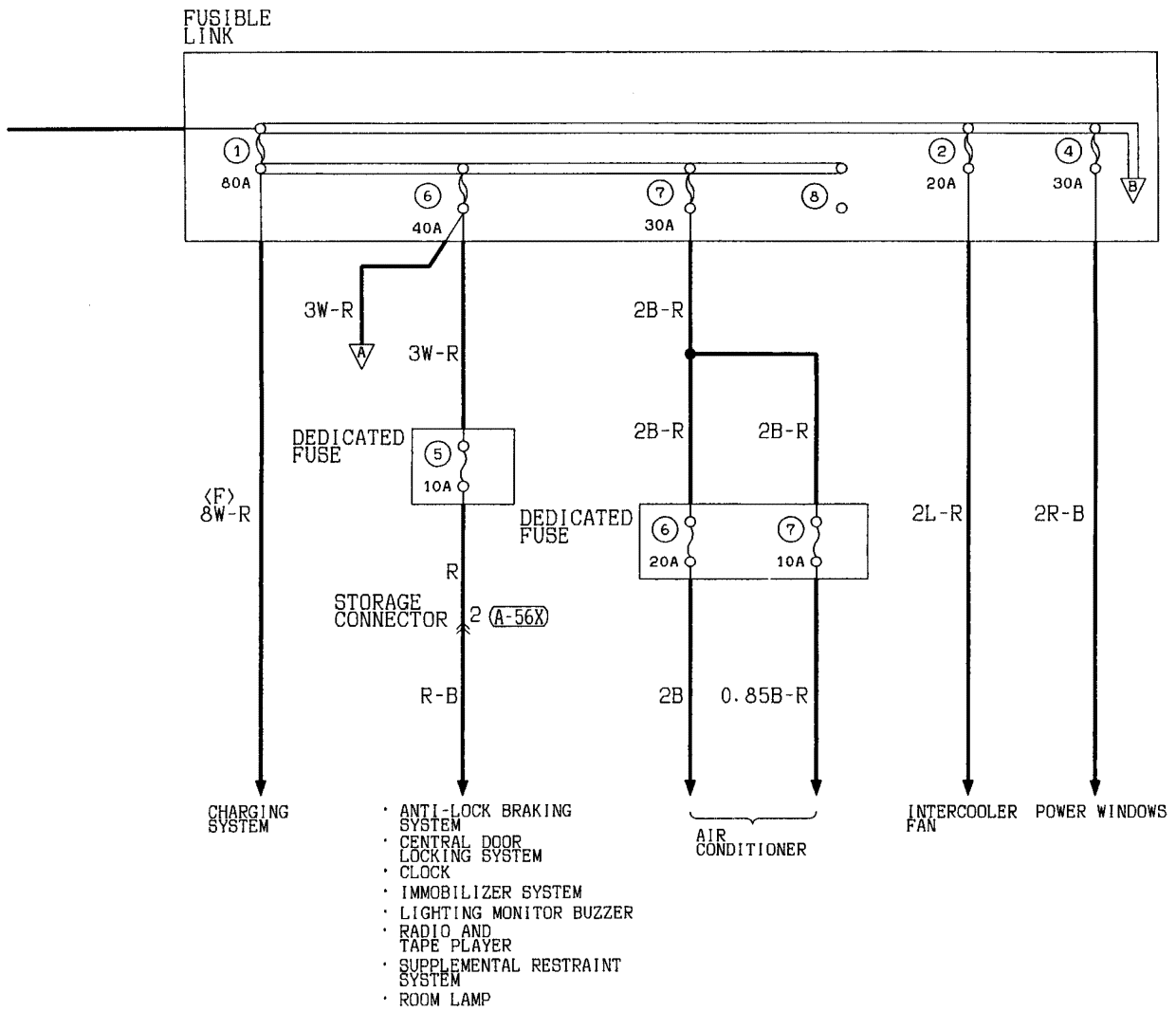
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R.H. drive vehicles <1998 Models>

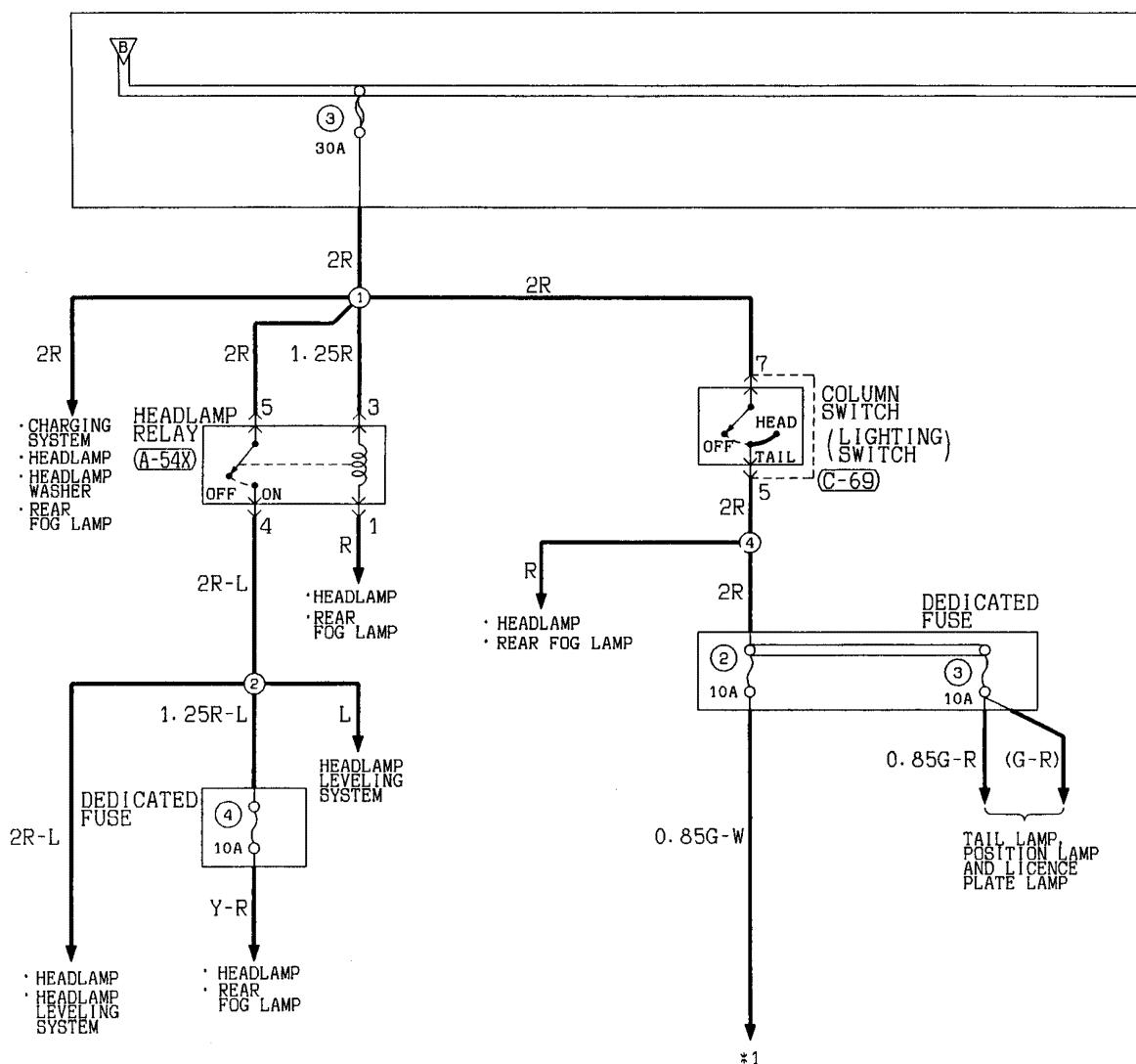


(A-56X)





POWER DISTRIBUTION SYSTEM <R.H. drive vehicles (1998 Models)> (CONTINUED)



(A-54X)

(C-01)

(C-69)

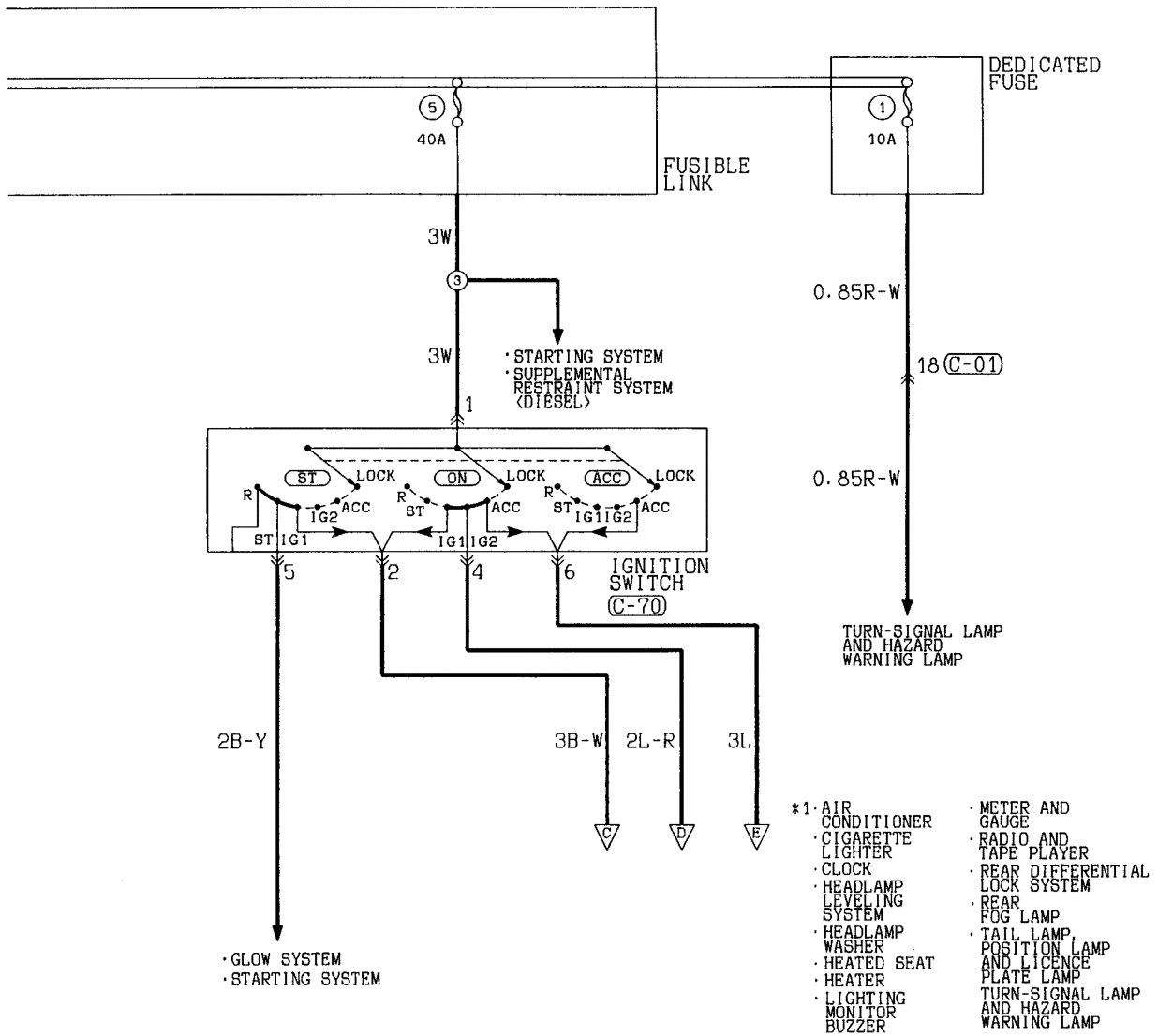
(C-70)

1	2	3
4		
5		

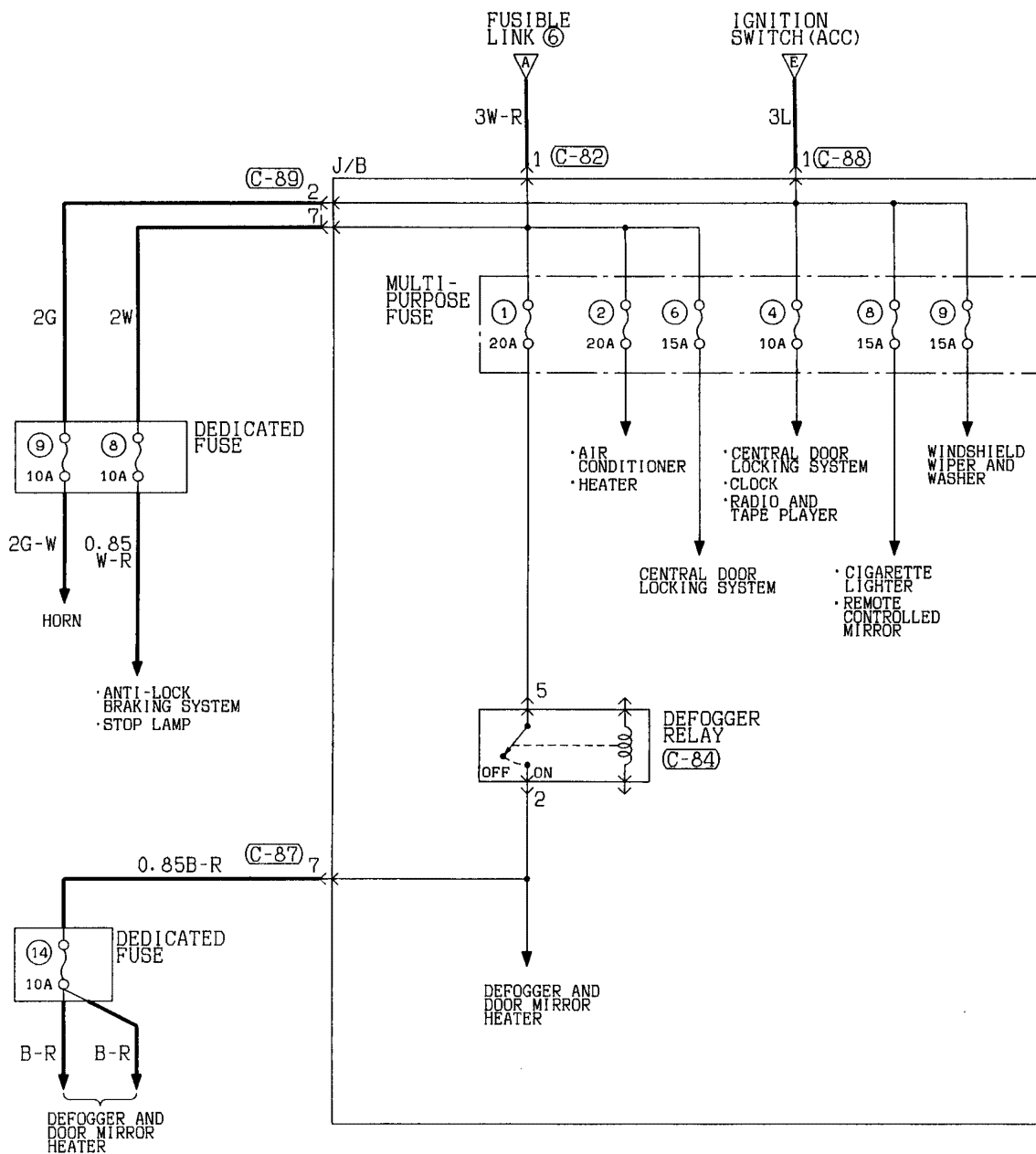
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11	12	13	14	15	16	17	18	19	20
21	22								

1	2	3	4
5	6	7	8
9	10		

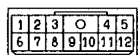
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4	5	6



POWER DISTRIBUTION SYSTEM <R.H. drive vehicles (1998 Models)> (CONTINUED)



(C-81)



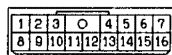
(C-82)



(C-84)



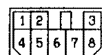
(C-87)

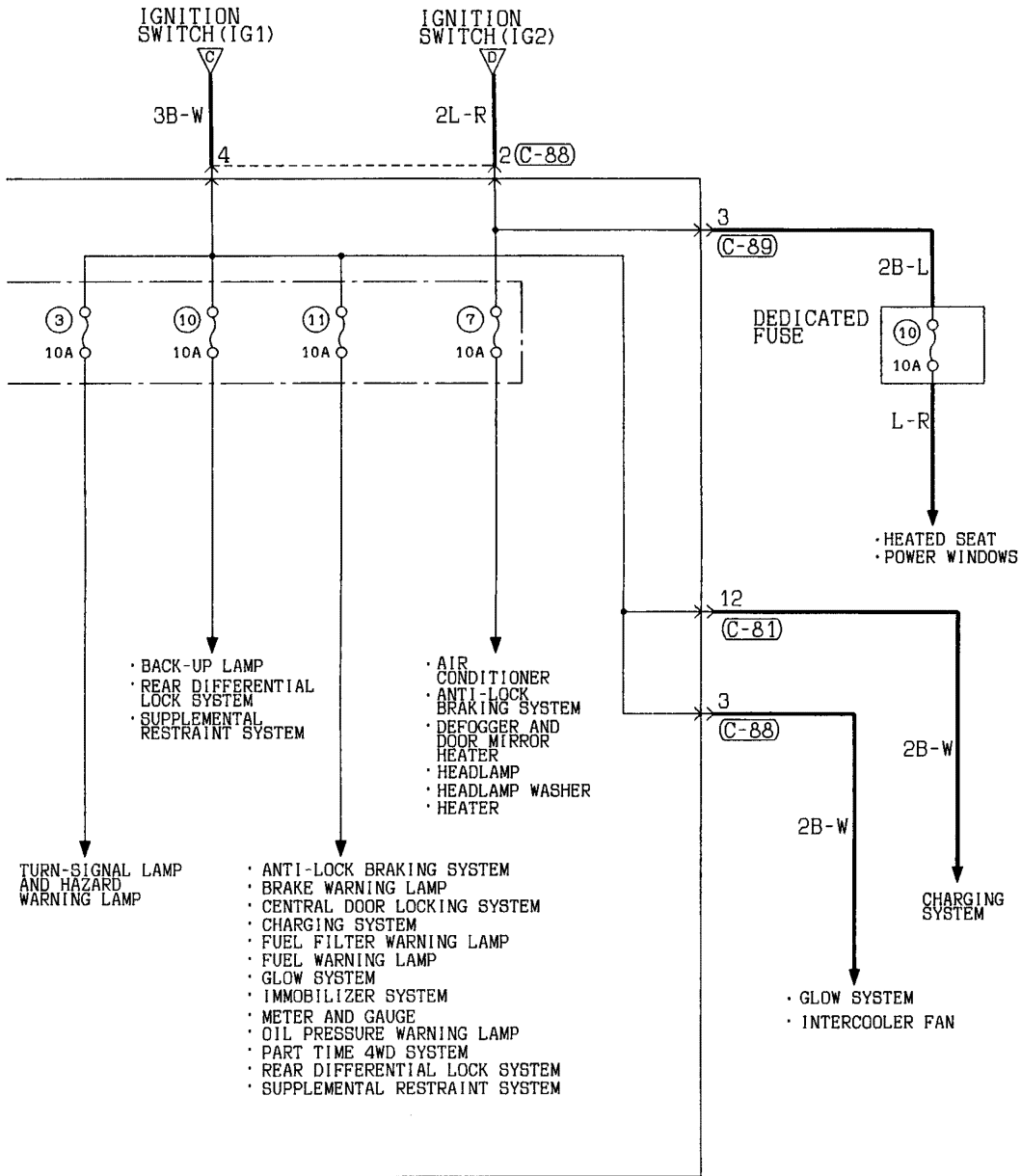


(C-88)



(C-89)

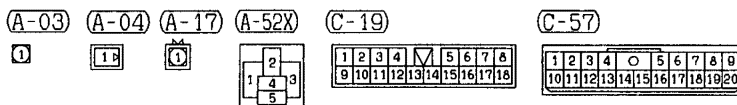
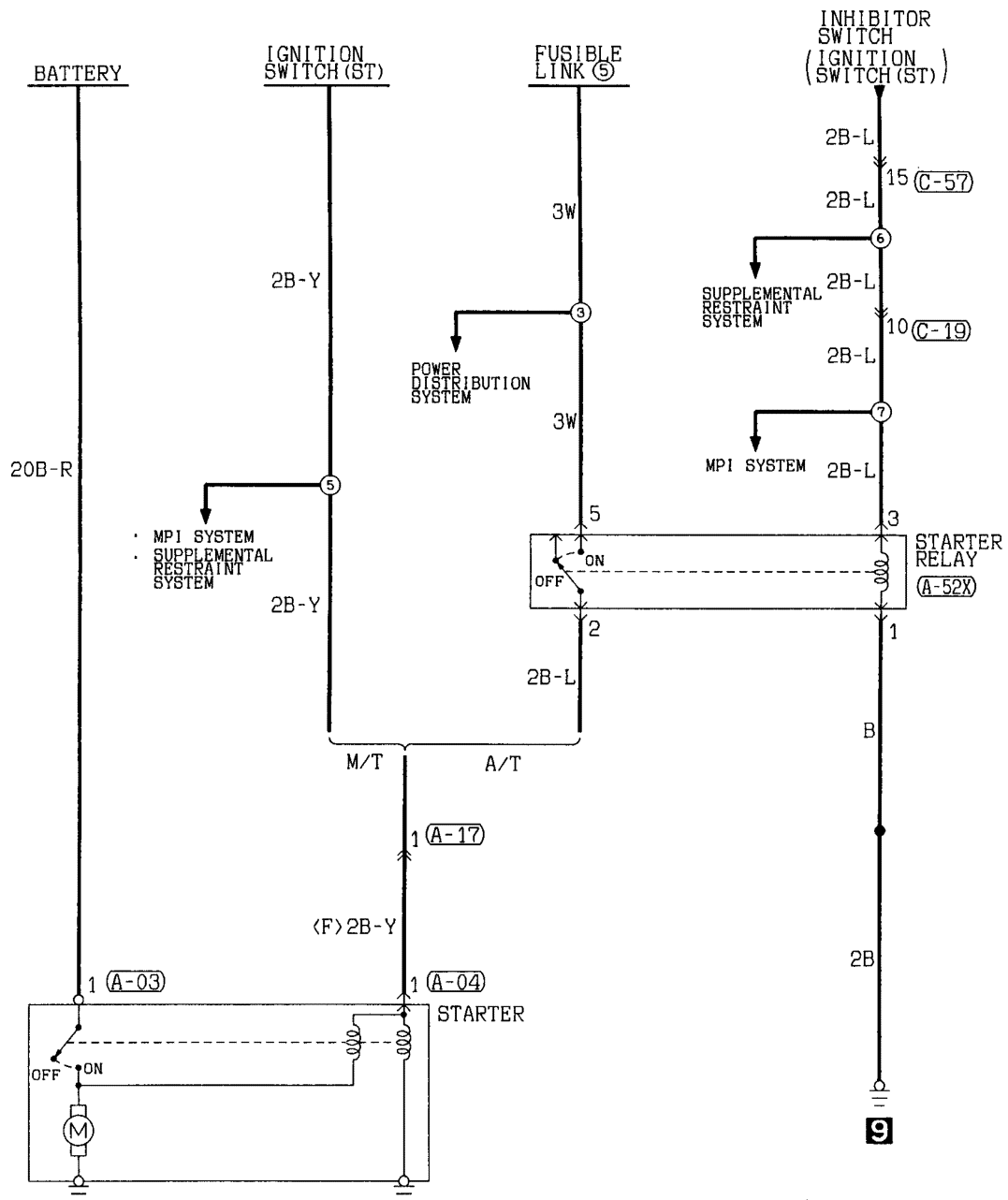




STARTING SYSTEM

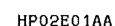
90100050329

Petrol-powered vehicles



90100050336

90100050336



STARTING SYSTEM (See P. 4-40, 41.)

90100050343

OPERATION

For A/T vehicles, when the selector lever is in the P or N position and the ignition switch is turned to ST position, the starter relay turns on. This causes the starter contact (magnet switch) to close, and the starter motor operates.

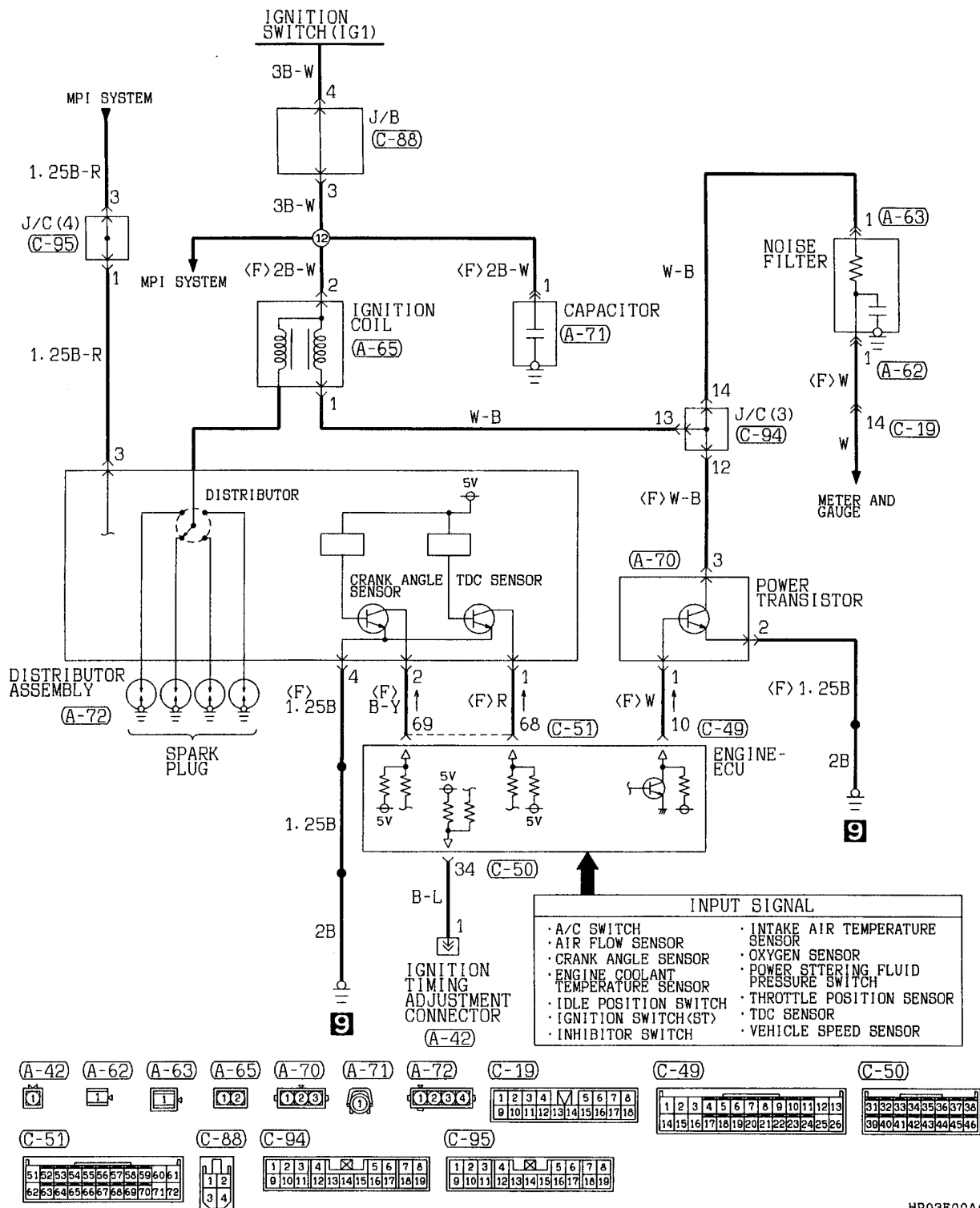
TROUBLESHOOTING HINTS

1. Starter motor does not turn over at all.
 - Check starter (coil).
 - Check battery terminals for proper contact.
 - Starter relay inspection (petrol-powered vehicles with A/T and diesel-powered vehicle).
 - Check inhibitor switch <A/T>.
2. Starter motor does not stop rotating.
 - Check starter (magnet switch).

IGNITION SYSTEM

90100060322

1997 Models

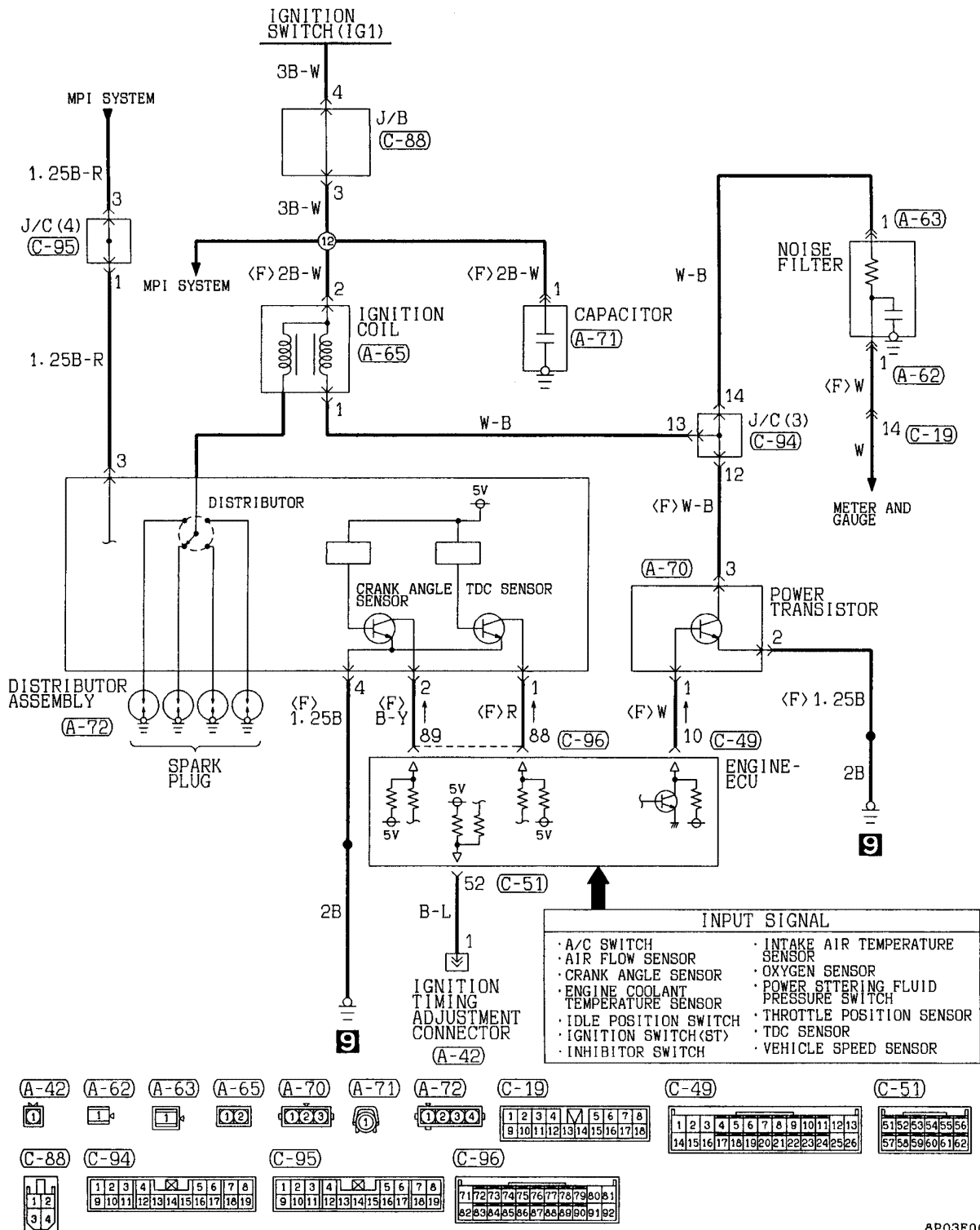


HP03E00AA

IGNITION SYSTEM

90100060810

1998 Models



8P03E00AA

CHARGING SYSTEM (See P. 4-46, 47.)

90100070332

OPERATION

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

When engine is started and after engine has started

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

Remark

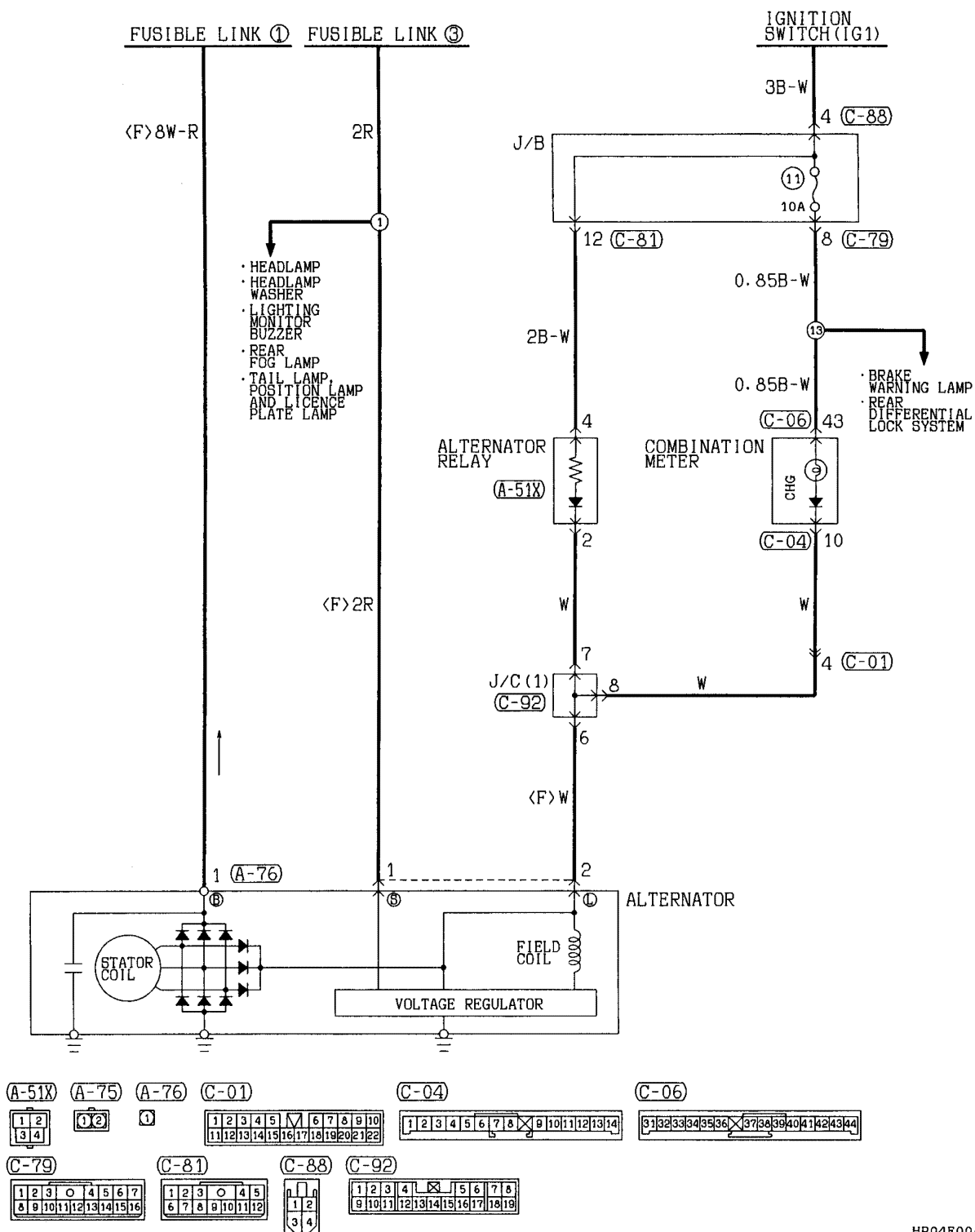
- The alternator relay or auto choke relay is provided to back up the flow of current to the field coil when the charge warning lamp is open.

TROUBLESHOOTING HINTS

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

90100070318

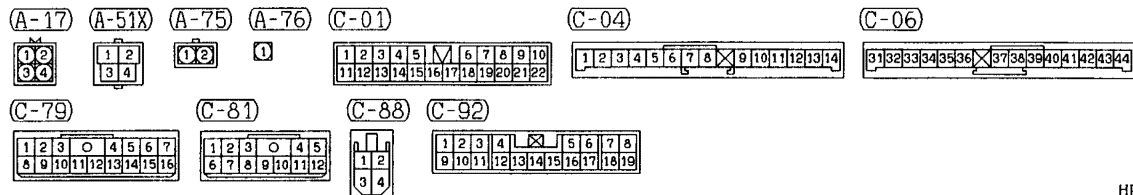
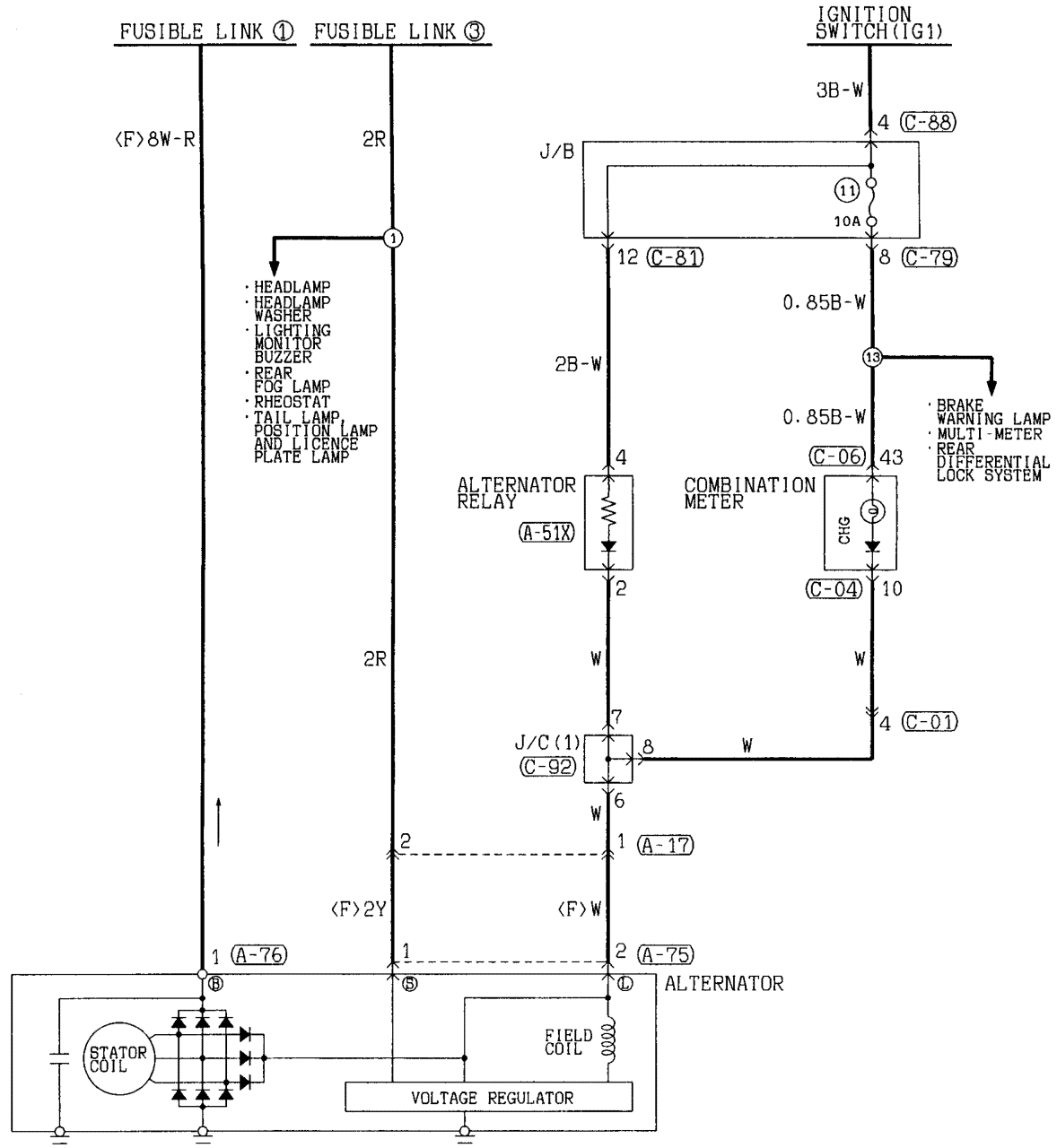
Petrol-powered vehicles



CHARGING SYSTEM

90100070325

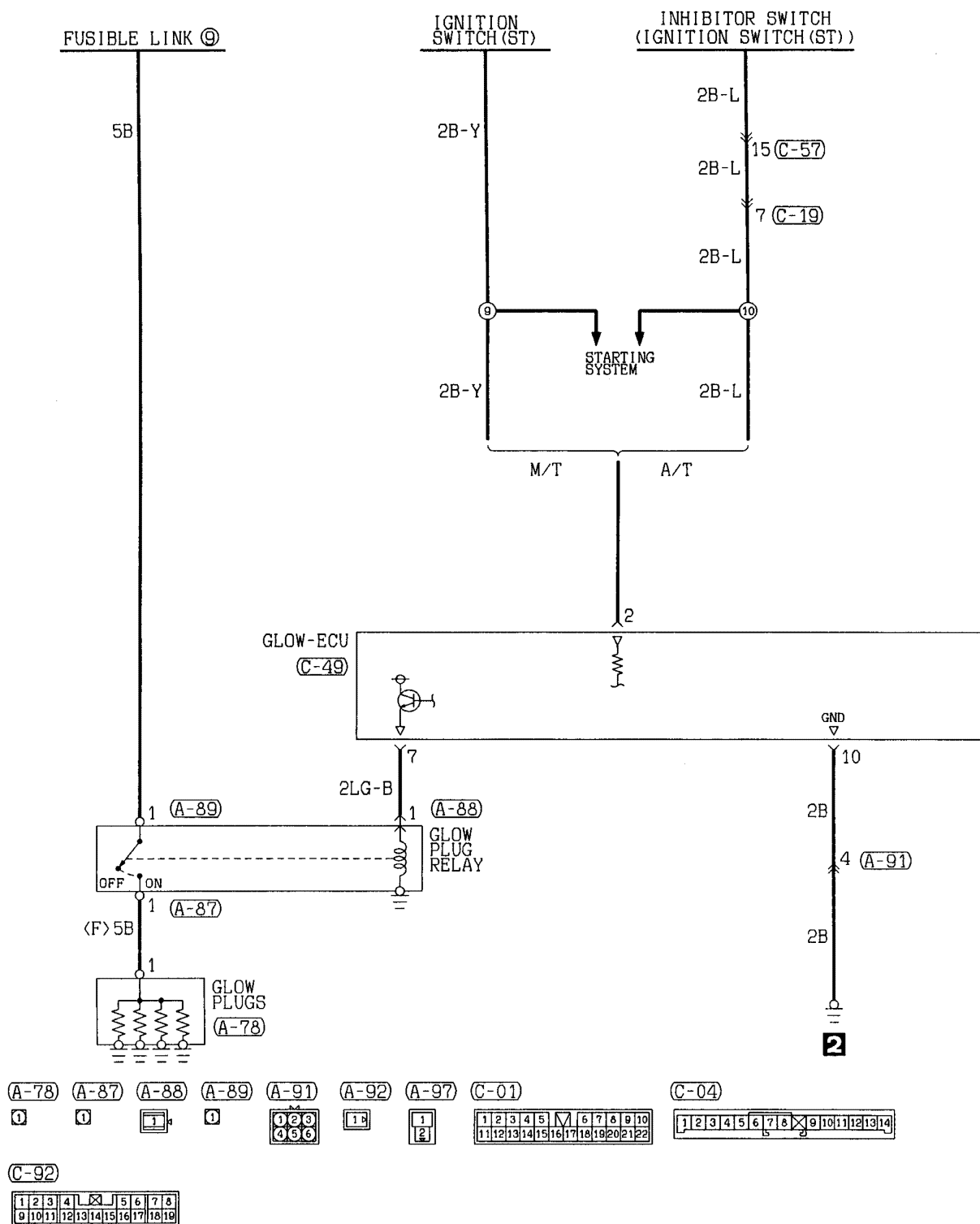
Diesel-powered vehicles



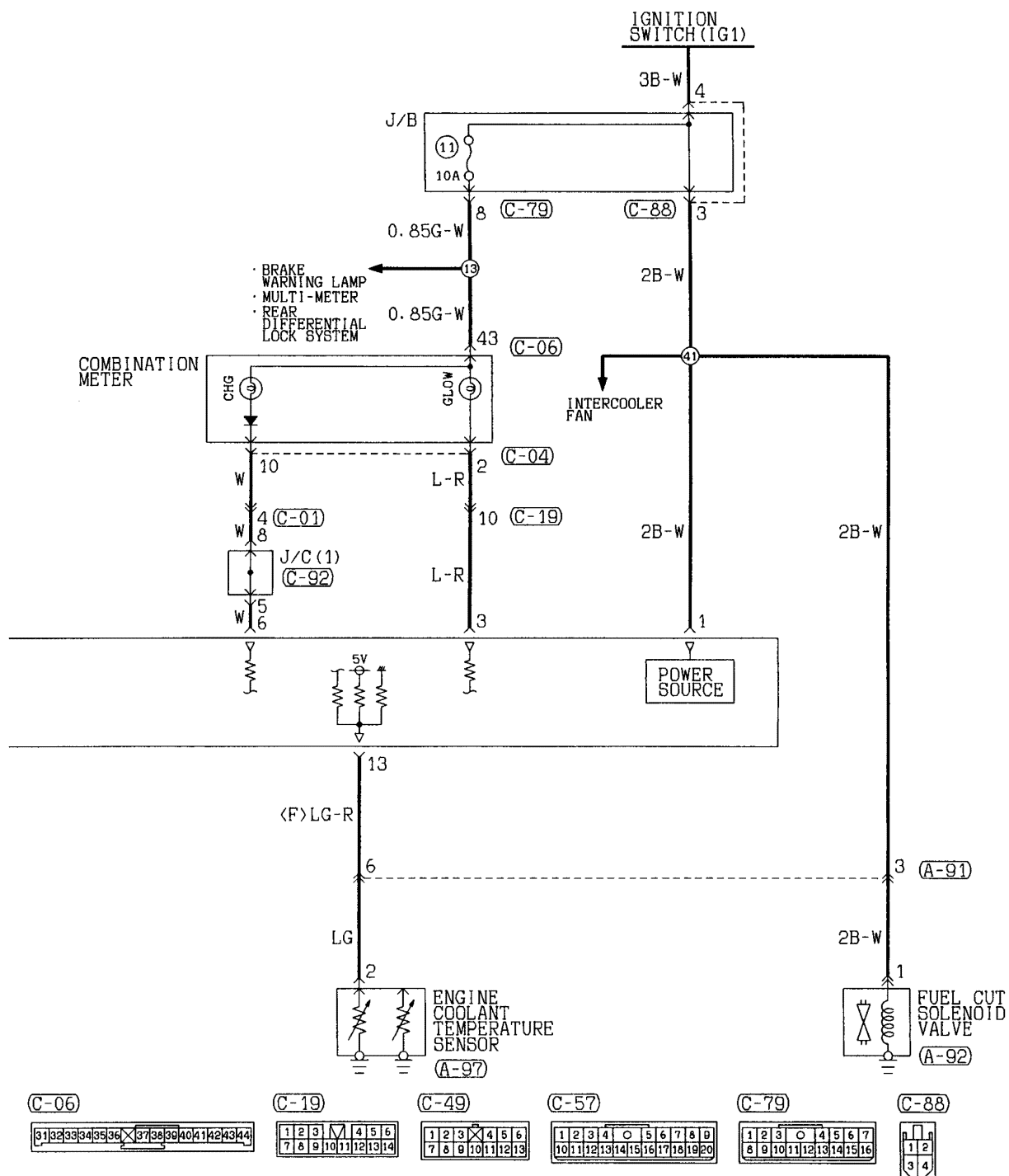
HP04E01AA

GLOW SYSTEM

90100090031



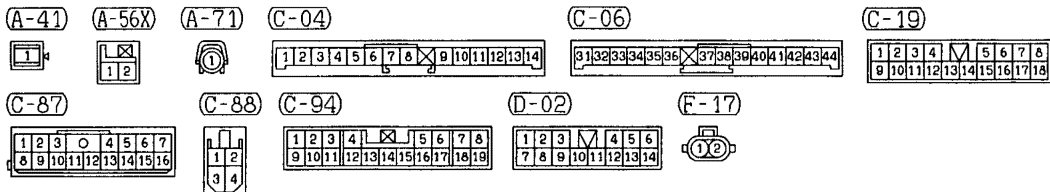
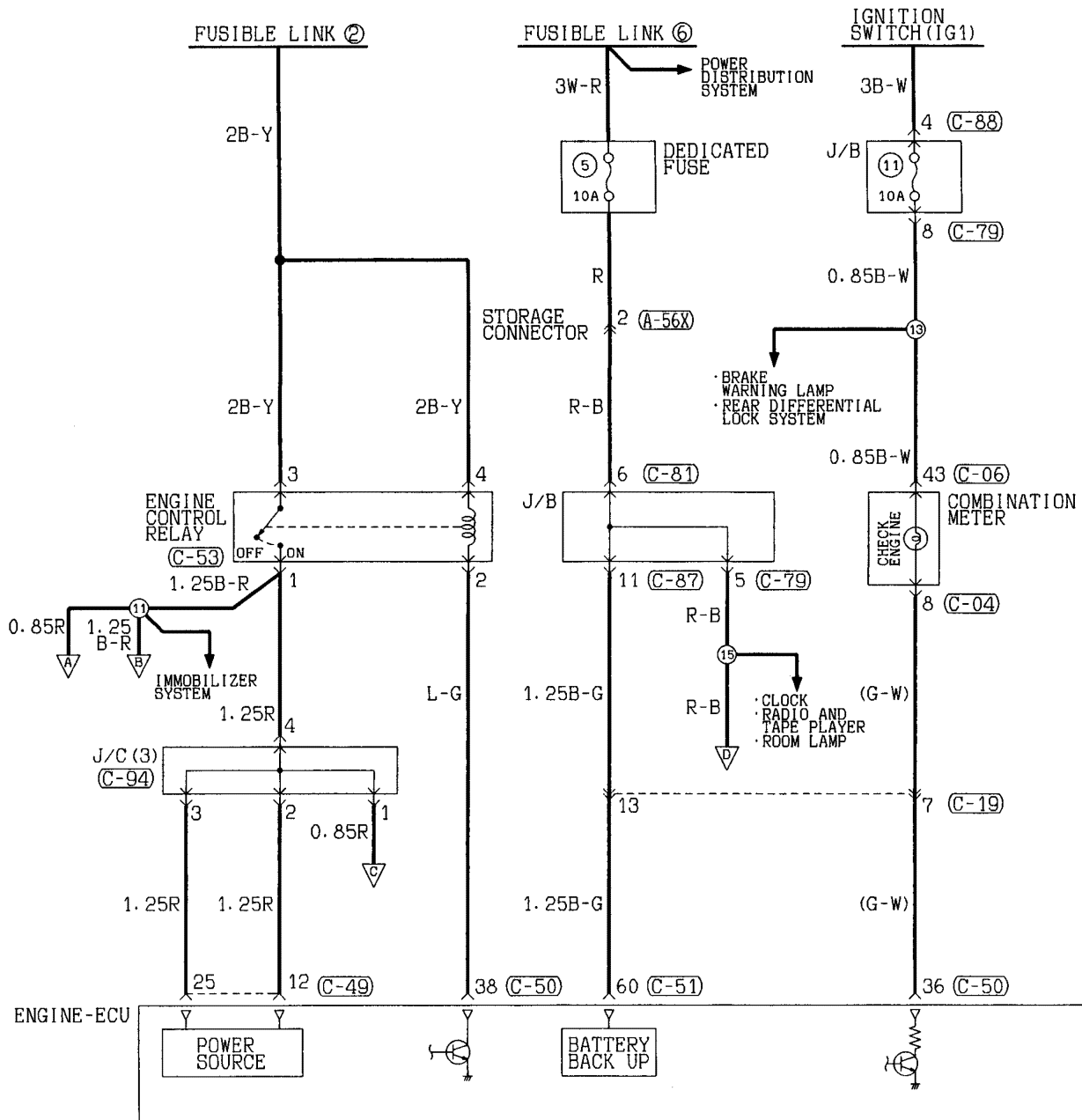
HP05E00AA



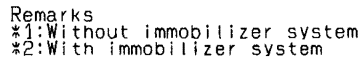
MPI SYSTEM

90100080526

1997 Models



HP05E01AA



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

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

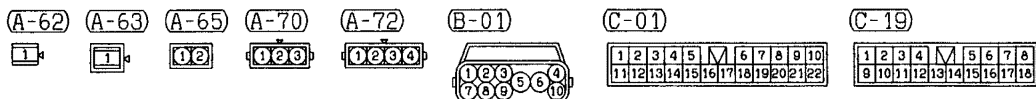
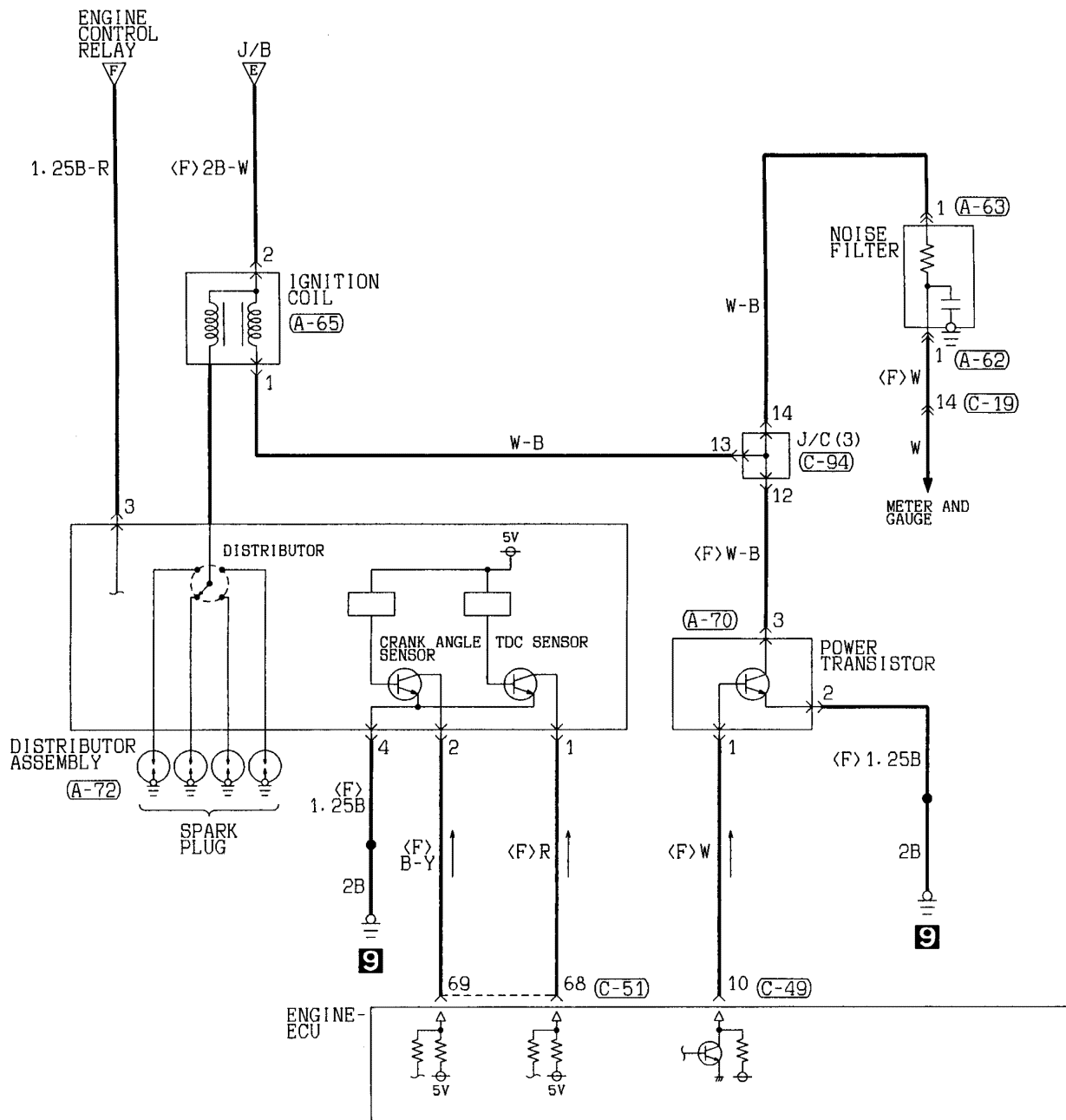
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3	4

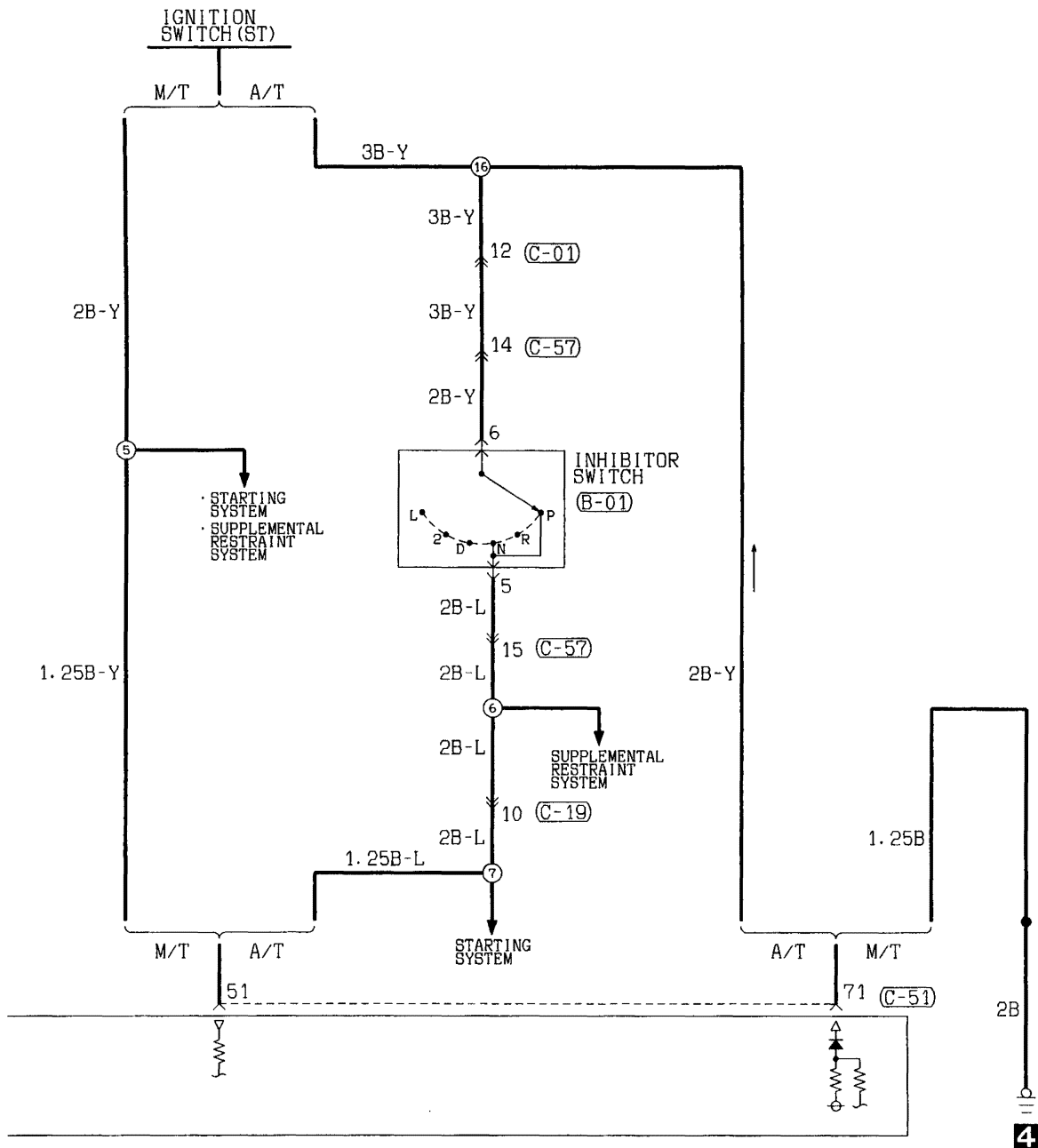
1	2
3	4

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

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

MPI SYSTEM <1997 Models> (CONTINUED)





(C-49)

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

(C-51)

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

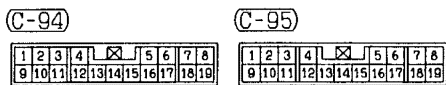
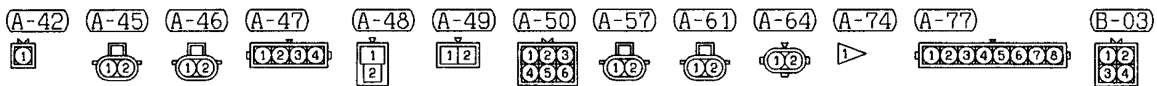
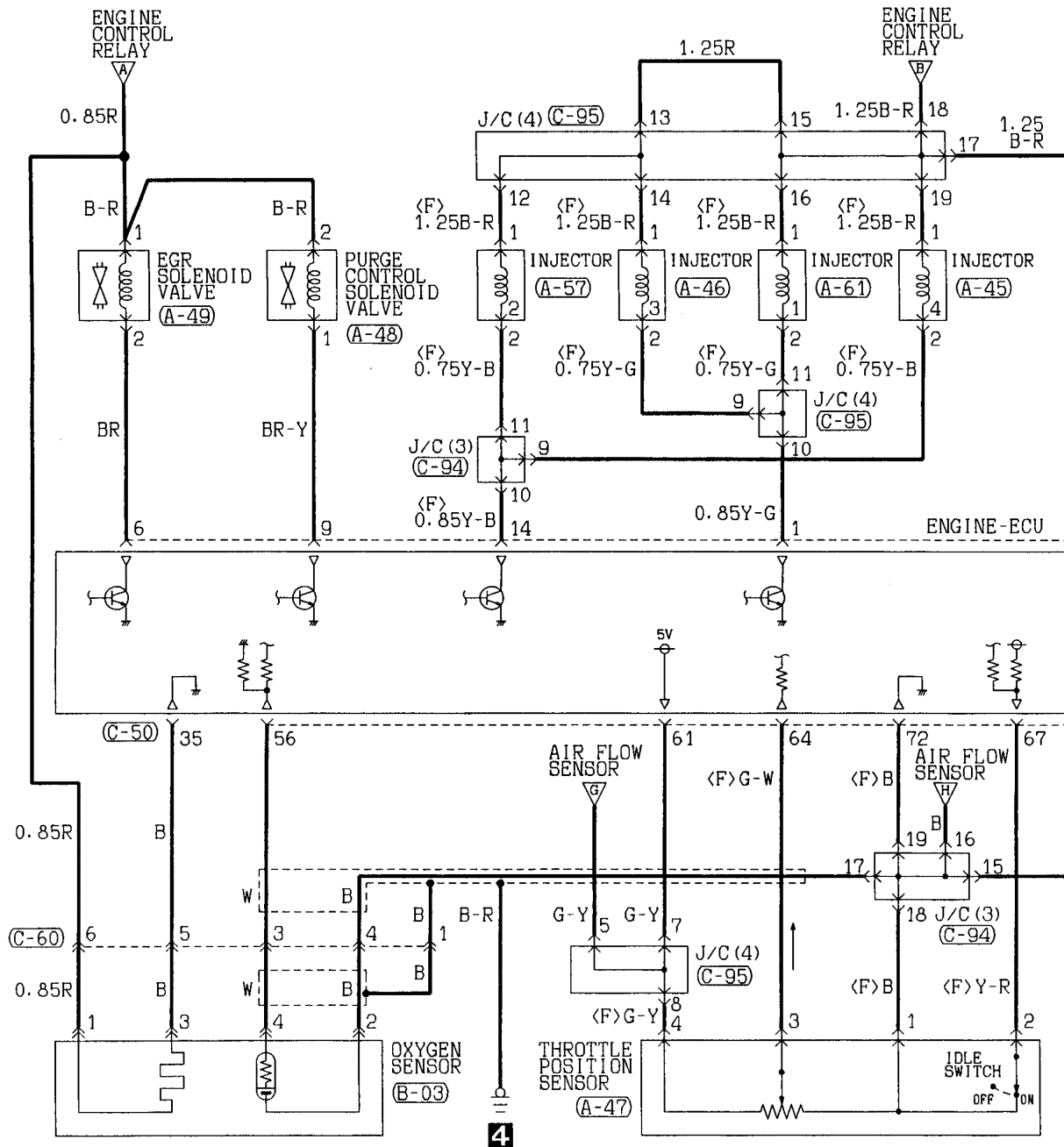
(C-57)

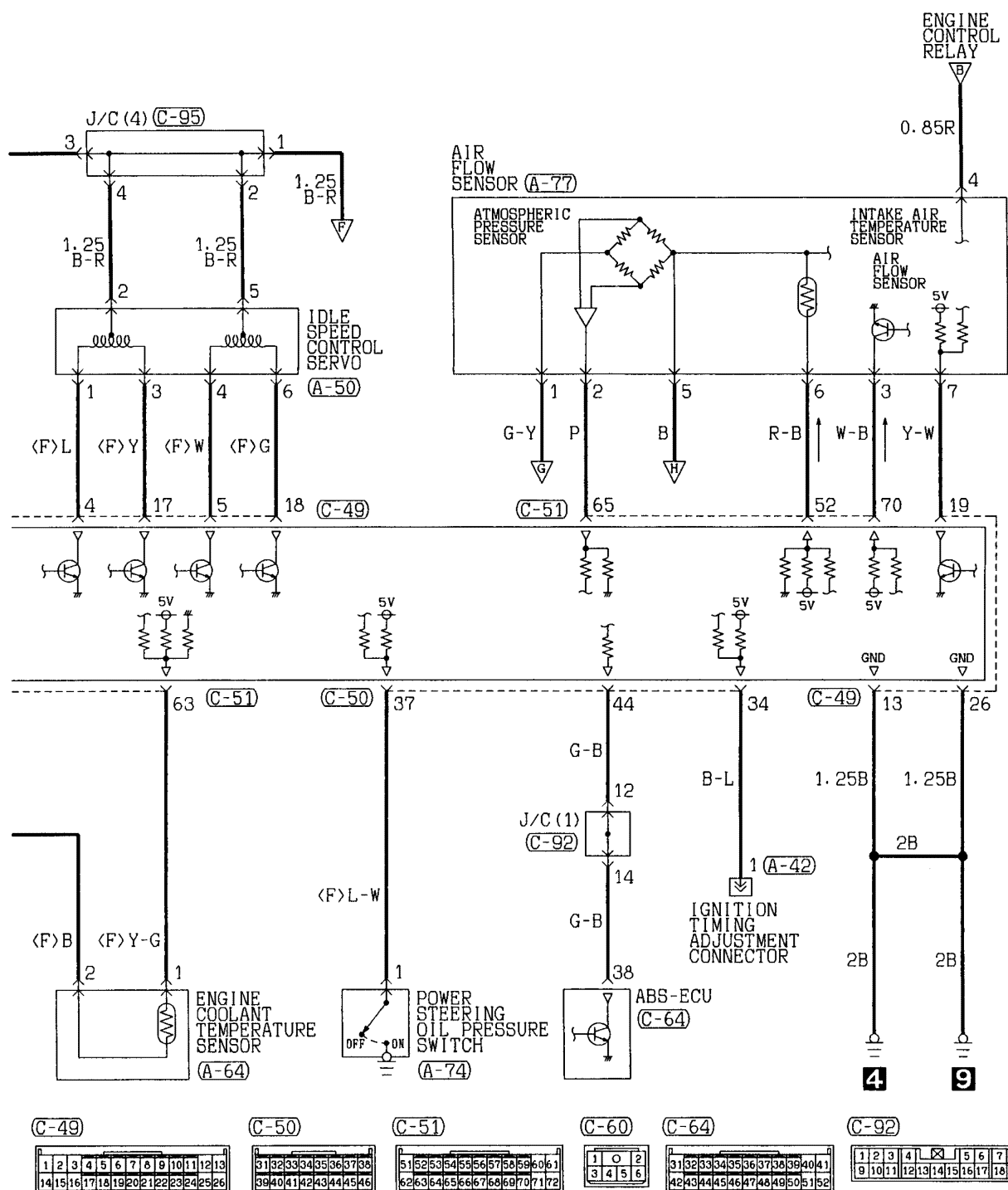
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19	20							

(C-94)

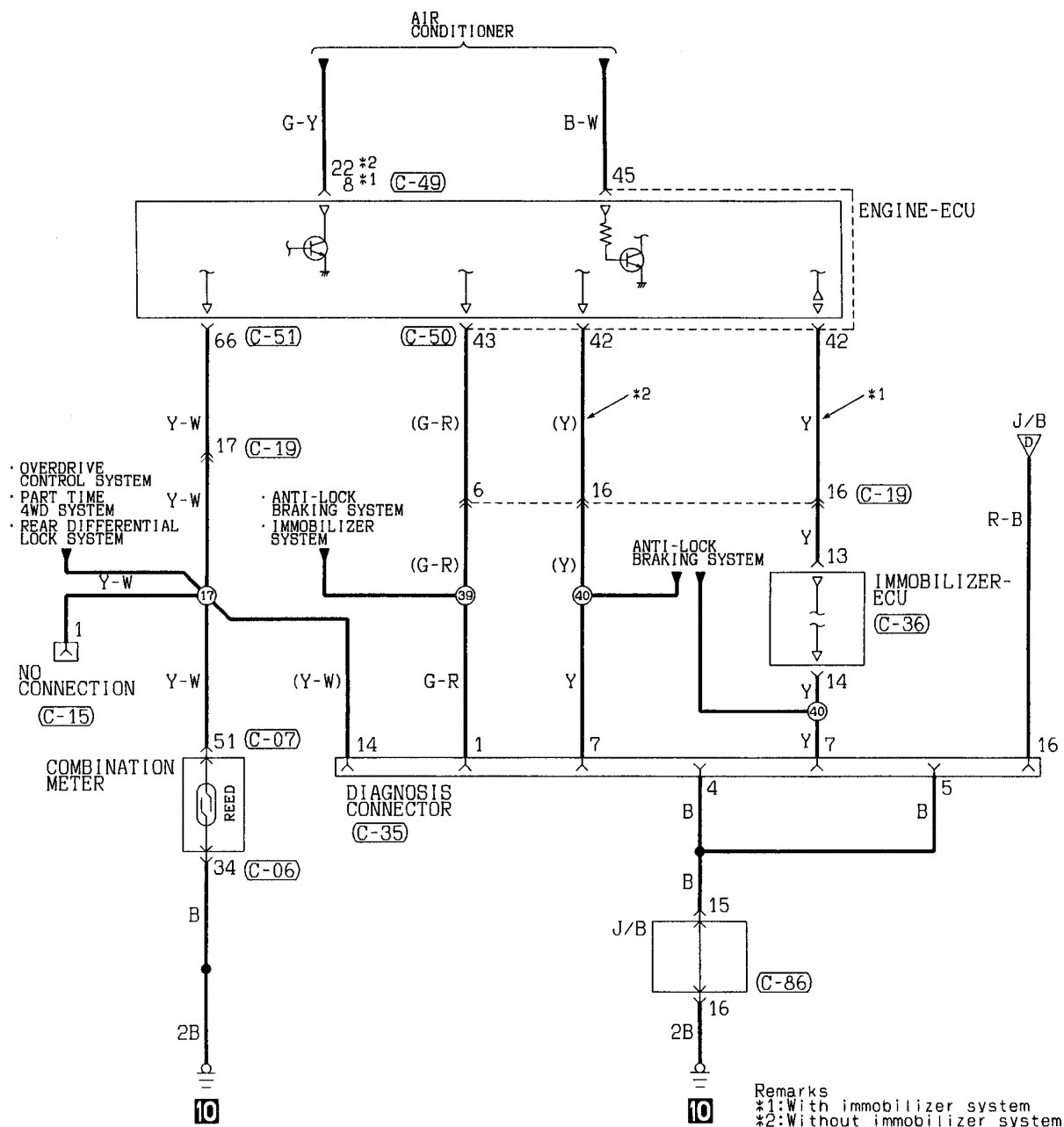
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9	10	11	12	13	14	15	16
17	18	19					

MPI SYSTEM <1997 Models> (CONTINUED)





MPI SYSTEM <1997 Models> (CONTINUED)



(C-06)

31	32	33	34	35	36	37	38	39	40	41	42	43	44
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(C-07)

51

(C-15)

1

(C-19)

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

(C-35) FRONT SIDE

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

(C-36)

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

(C-49)

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

(C-50)

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

(C-51)

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(C-86)

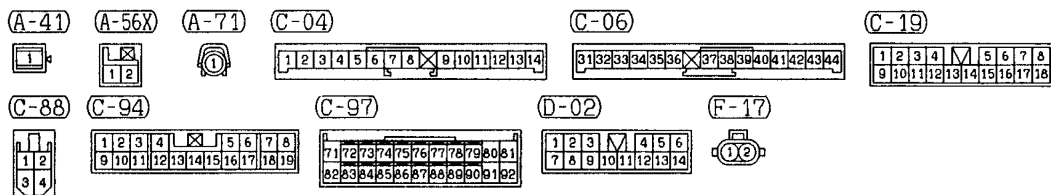
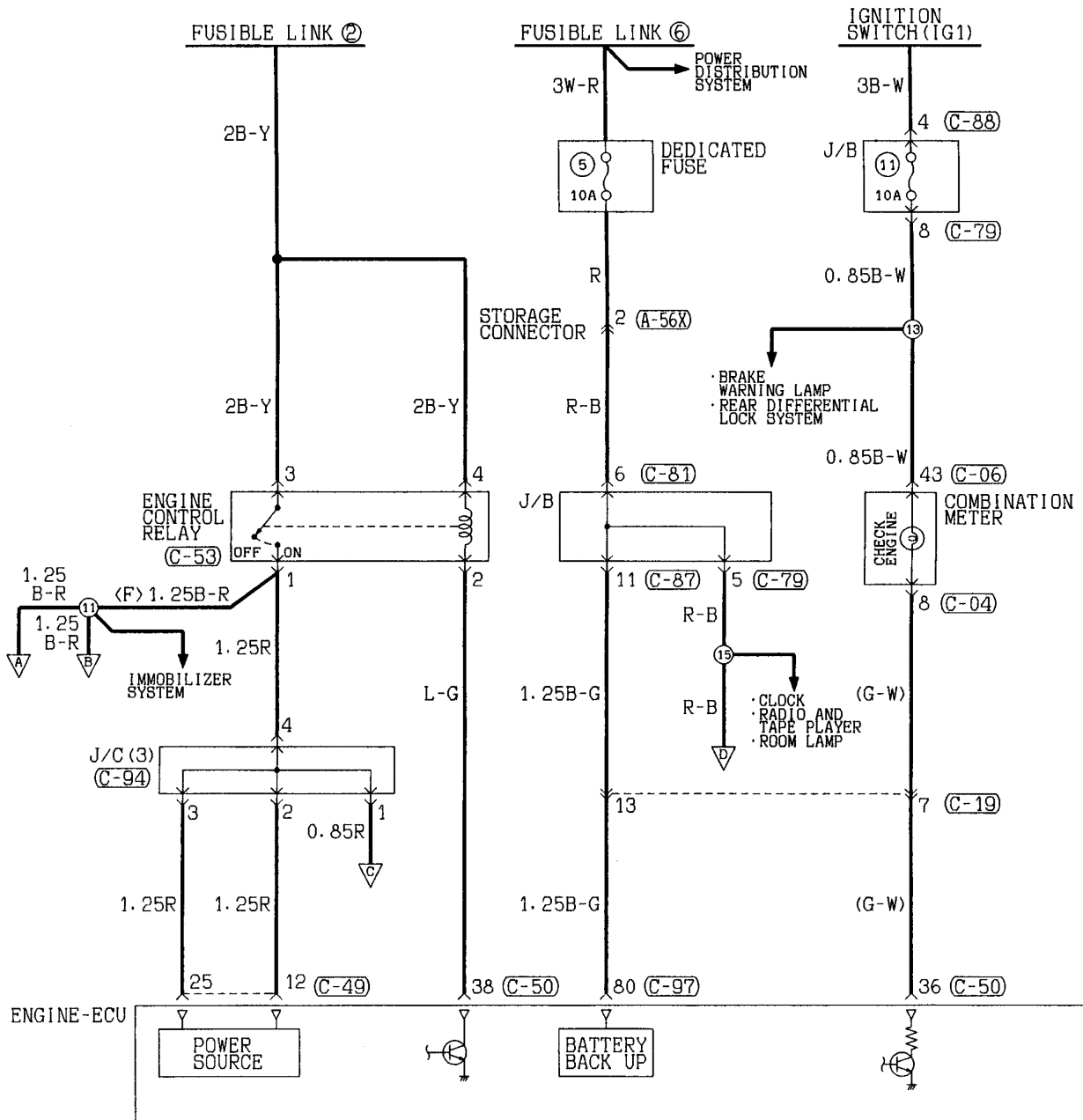
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10	11	12	13	14	15	16	17	18
19	20							

NOTES

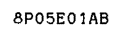
MPI SYSTEM

90100081442

1998 Models



8P05E01AA



ENGINE CONTROL RELAY

J/B

1.25B-R

<F> 2B-W

2

1

IGNITION COIL (A-65)

W-B

13

14

J/C (3) (C-94)

12

<F> W-B

(A-70)

3

2

1

POWER TRANSISTOR

<F> 1.25B

2B

9

NOISE FILTER

1 (A-63)

1 (A-62)

<F> W

14 (C-19)

W

METER AND GAUGE

DISTRIBUTOR

5V

CRANK ANGLE SENSOR

TDC SENSOR

DISTRIBUTOR ASSEMBLY (A-72)

SPARK PLUG

4

2

1

<F> 1.25B

2B

9

<F> B-Y

<F> R

89

88 (C-97)

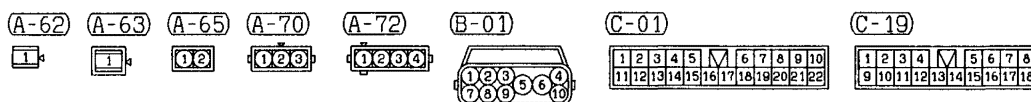
10 (C-49)

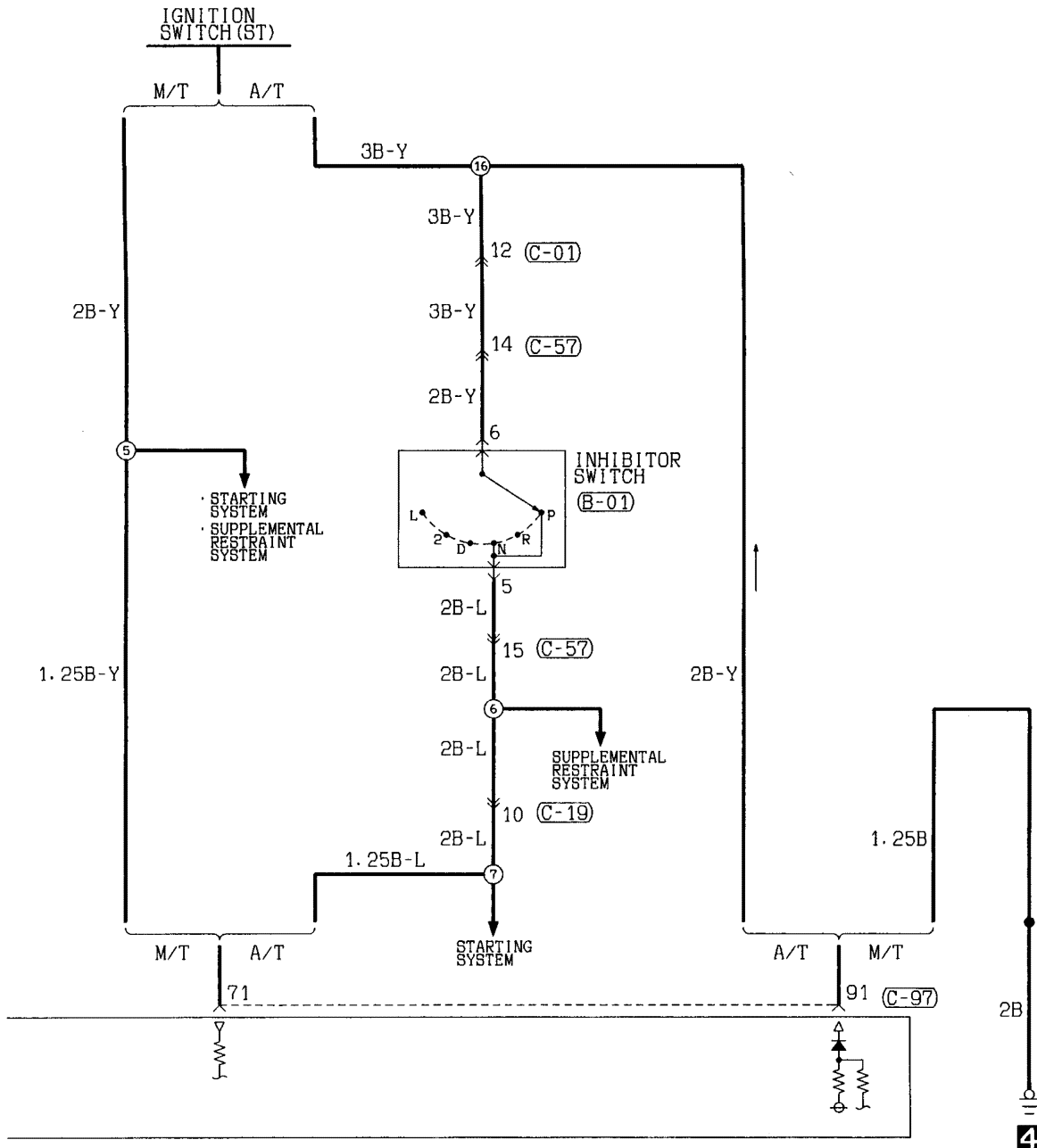
ENGINE-ECU

5V

5V

10V





(C-49)

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

(C-57)

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

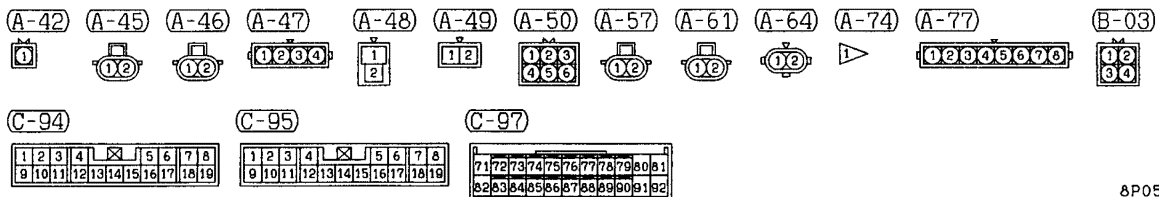
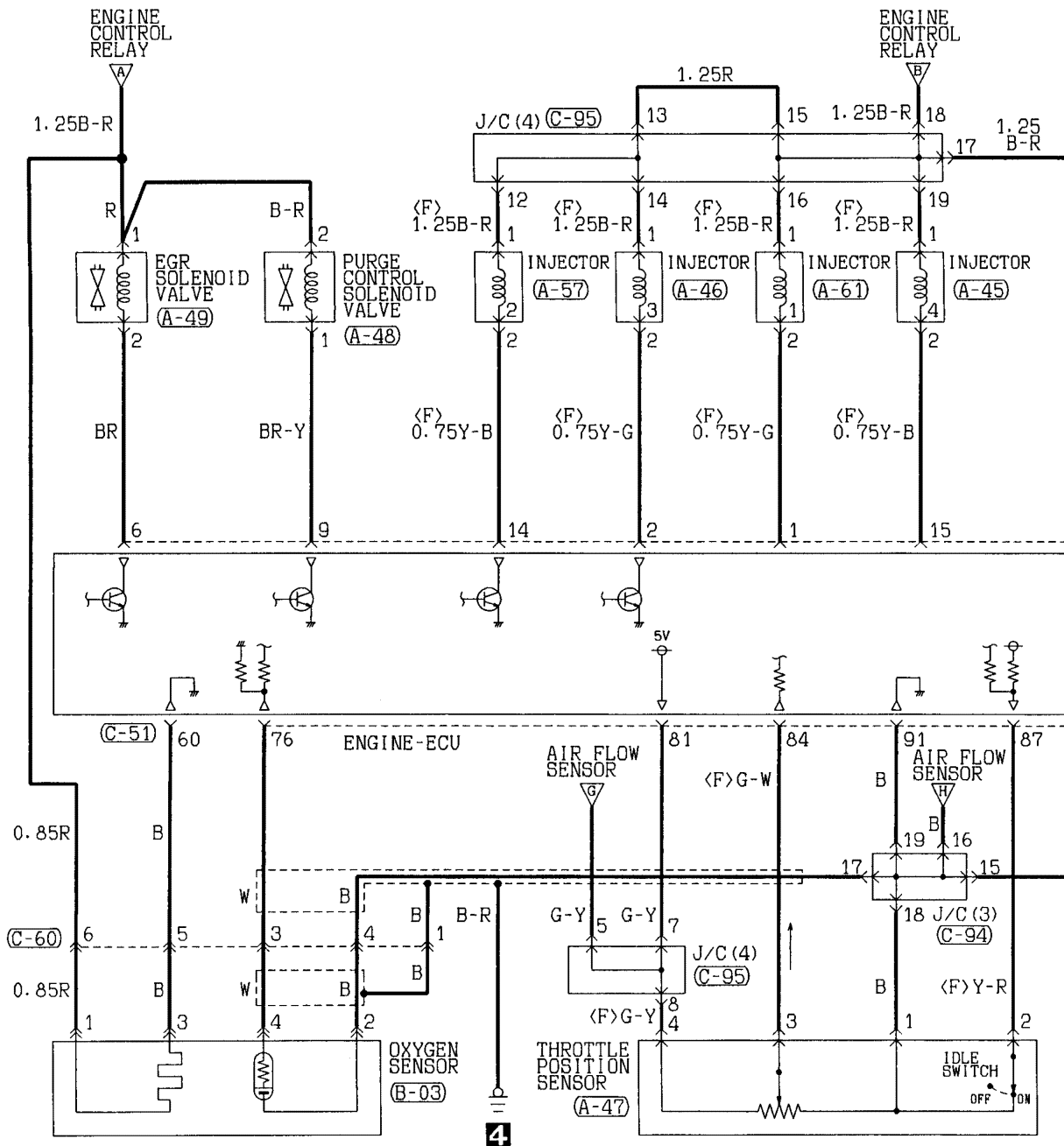
(C-94)

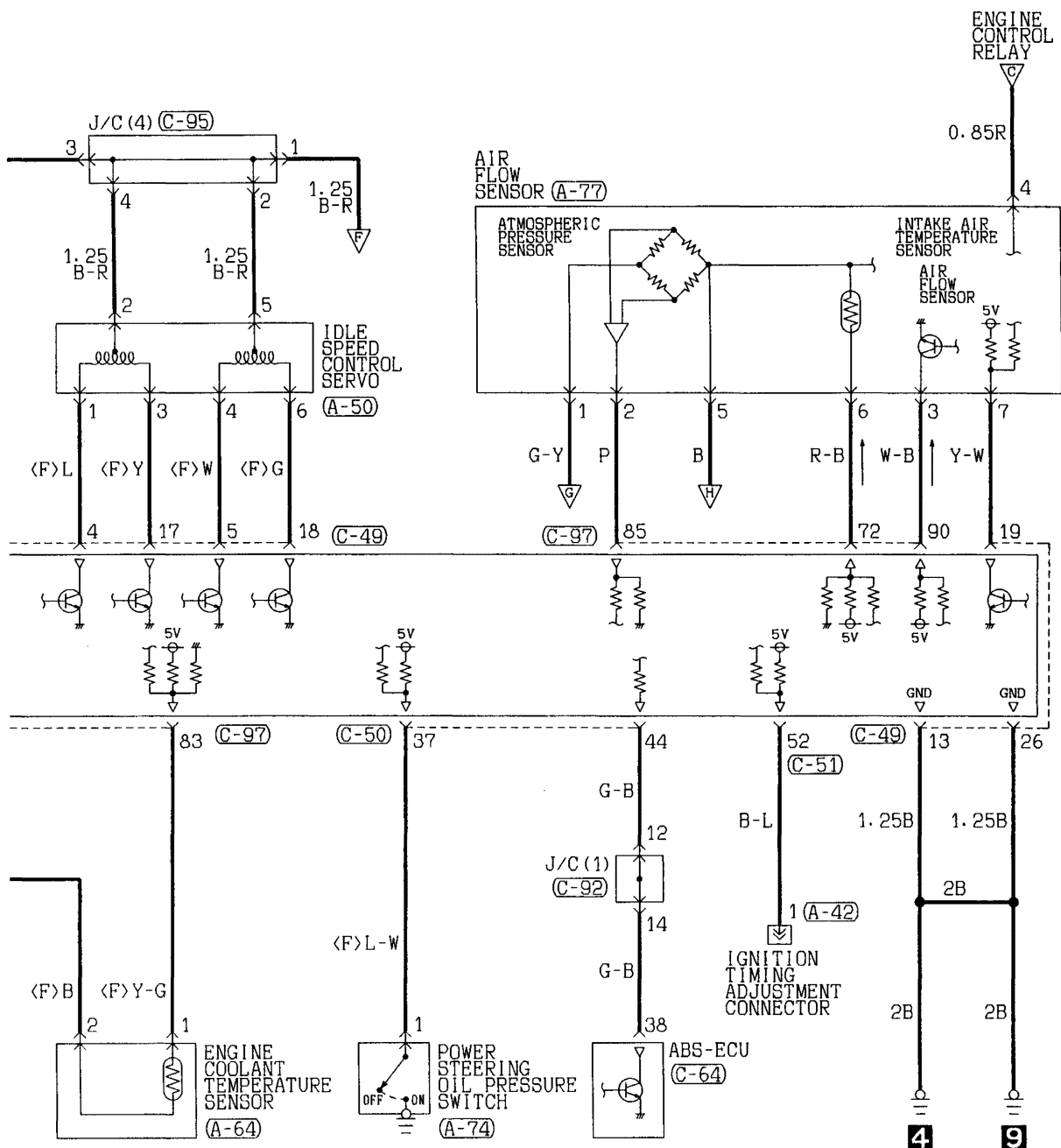
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9	10	11	12	13	14	15	16	17	18	19

(C-97)

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

MPI SYSTEM <1998 Models> (CONTINUED)





(C-49)

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

(C-50)

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

(C-51)

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

(C-60)

1	2
3	4

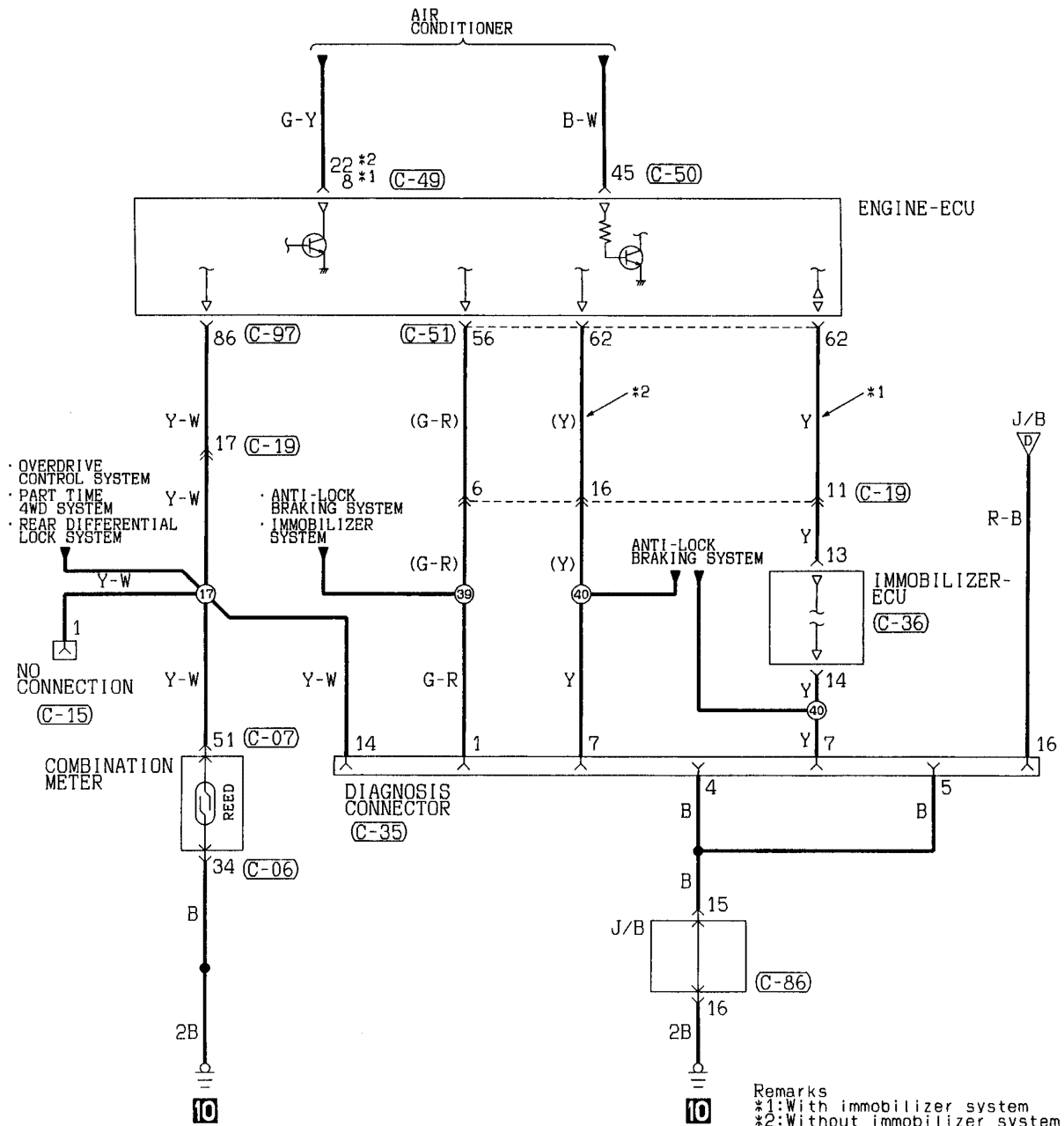
(C-64)

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

(C-92)

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

MPI SYSTEM <1998 Models> (CONTINUED)



(C-06)

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

(C-07)

518

(C-15)

1

(C-19)

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

(C-35) FRONT SIDE

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

(C-36)

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

(C-49)

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

(C-50)

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

(C-51)

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

(C-86)

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

(C-97)

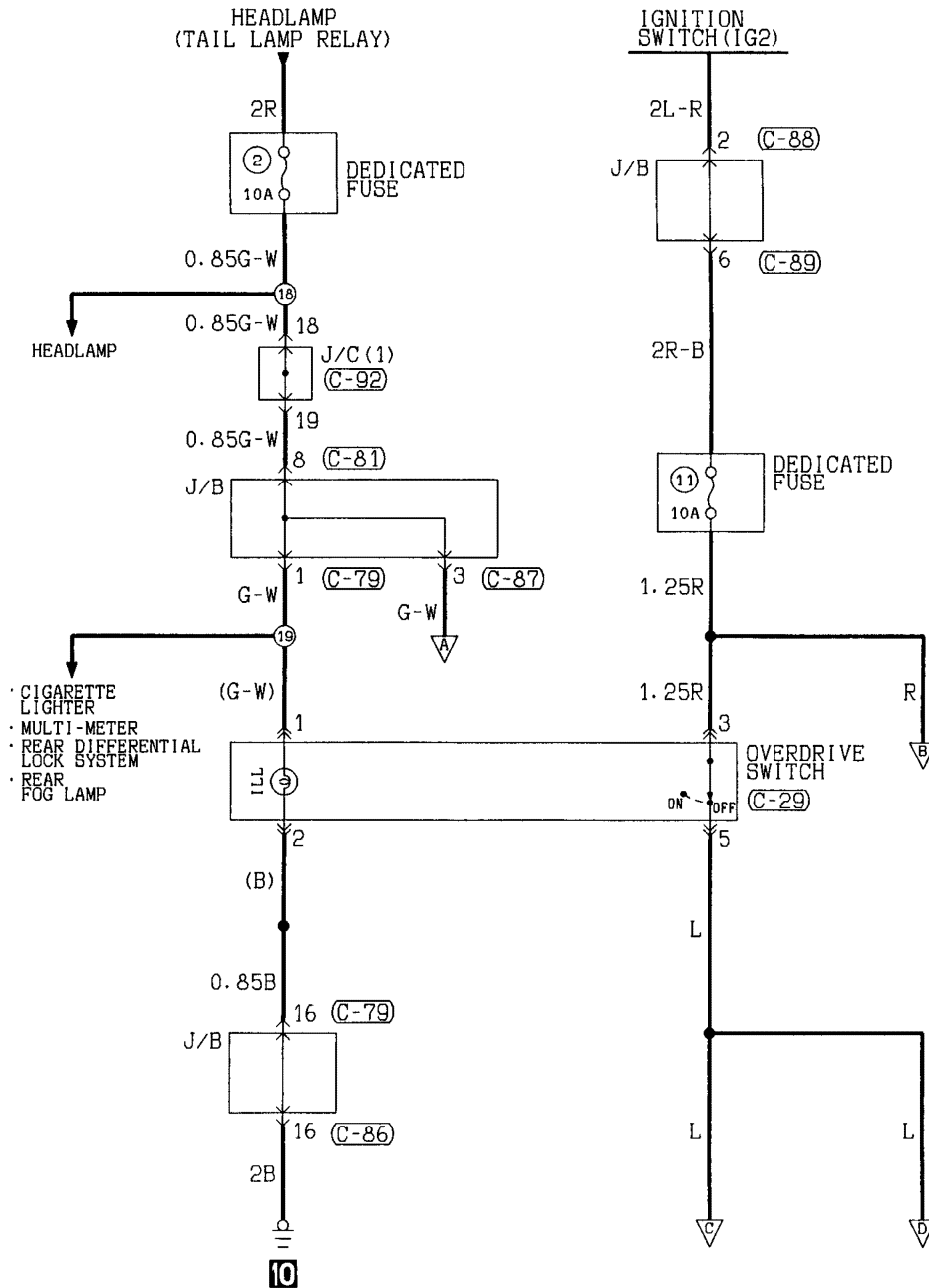
71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

NOTES

OVERDRIVE CONTROL SYSTEM

90100130054

4G63 <1997 Models>



(A-43) (B-06) (C-01)

①

② ③ ④

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

(C-06)

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

(C-07) (C-15)

⑤ ⑥

(C-29)

① ② ③ ④ ⑤ ⑥

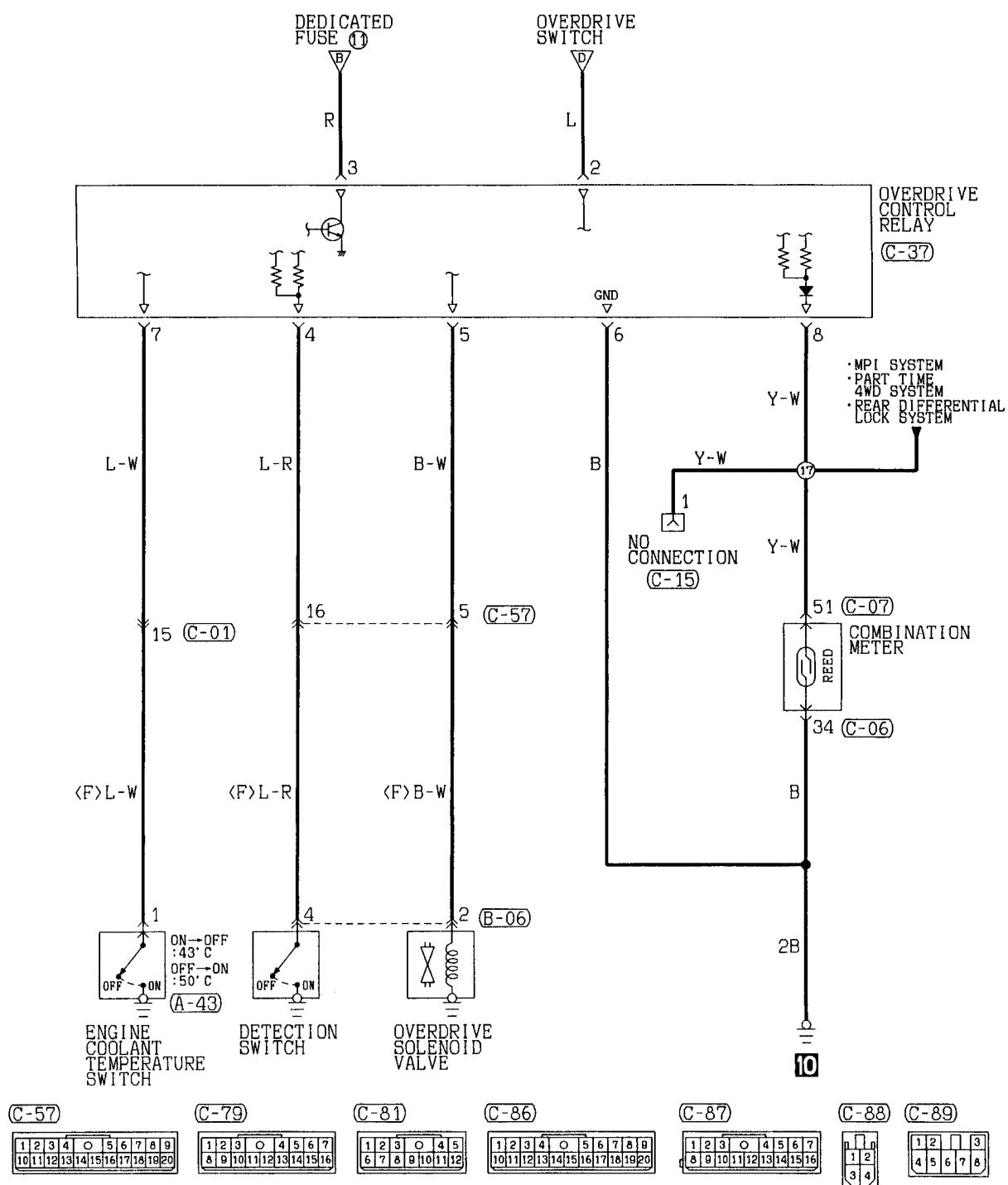
(C-37)

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

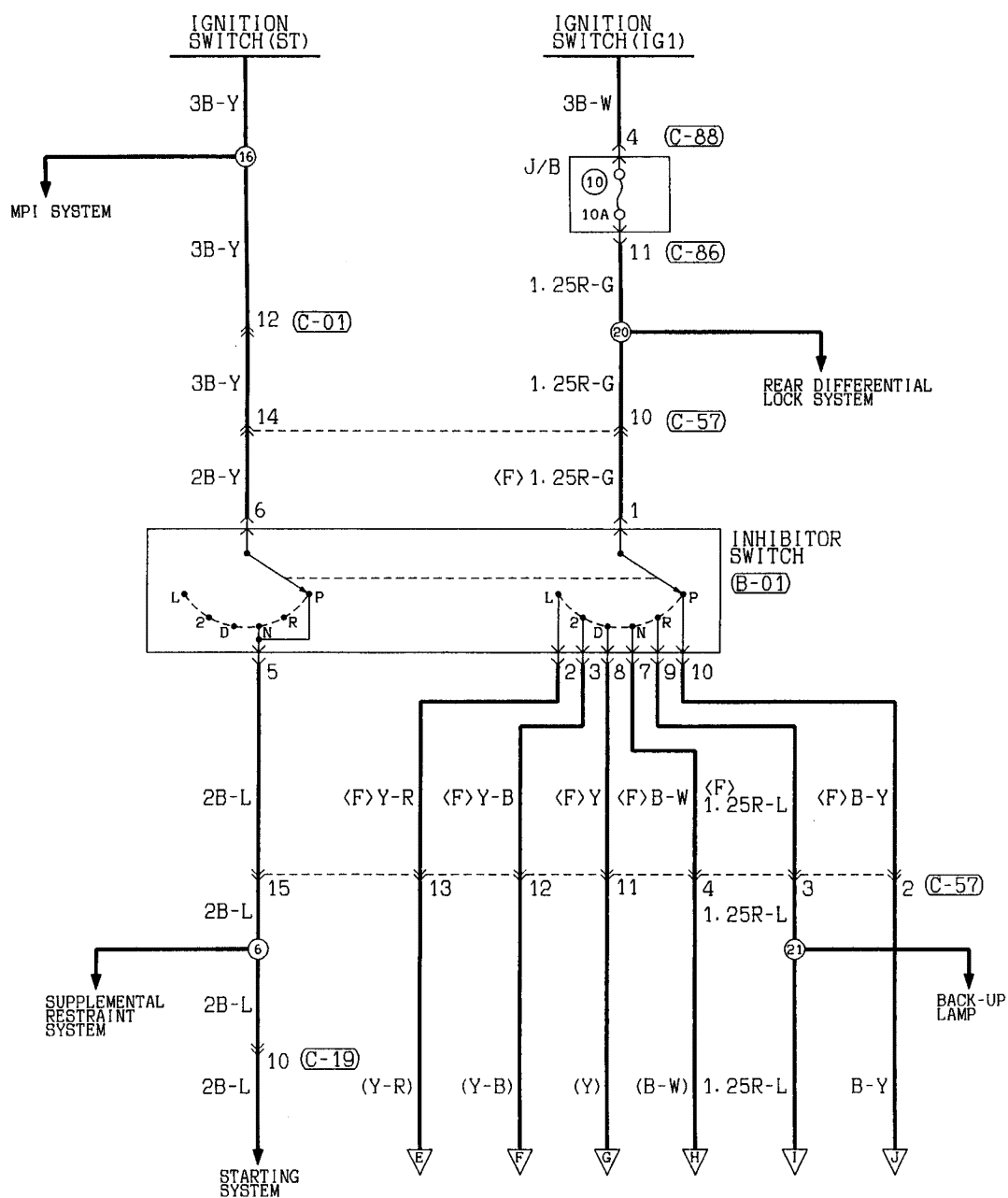
(C-92)

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

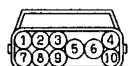
HP07E00AA



OVERDRIVE CONTROL SYSTEM <4G63 (1997 Models)> (CONTINUED)



(B-01)



(C-01)

1	2	3	4	5	6	7	8	9	10
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21	22	23	24	25	26	27	28	29	30

(C-05)

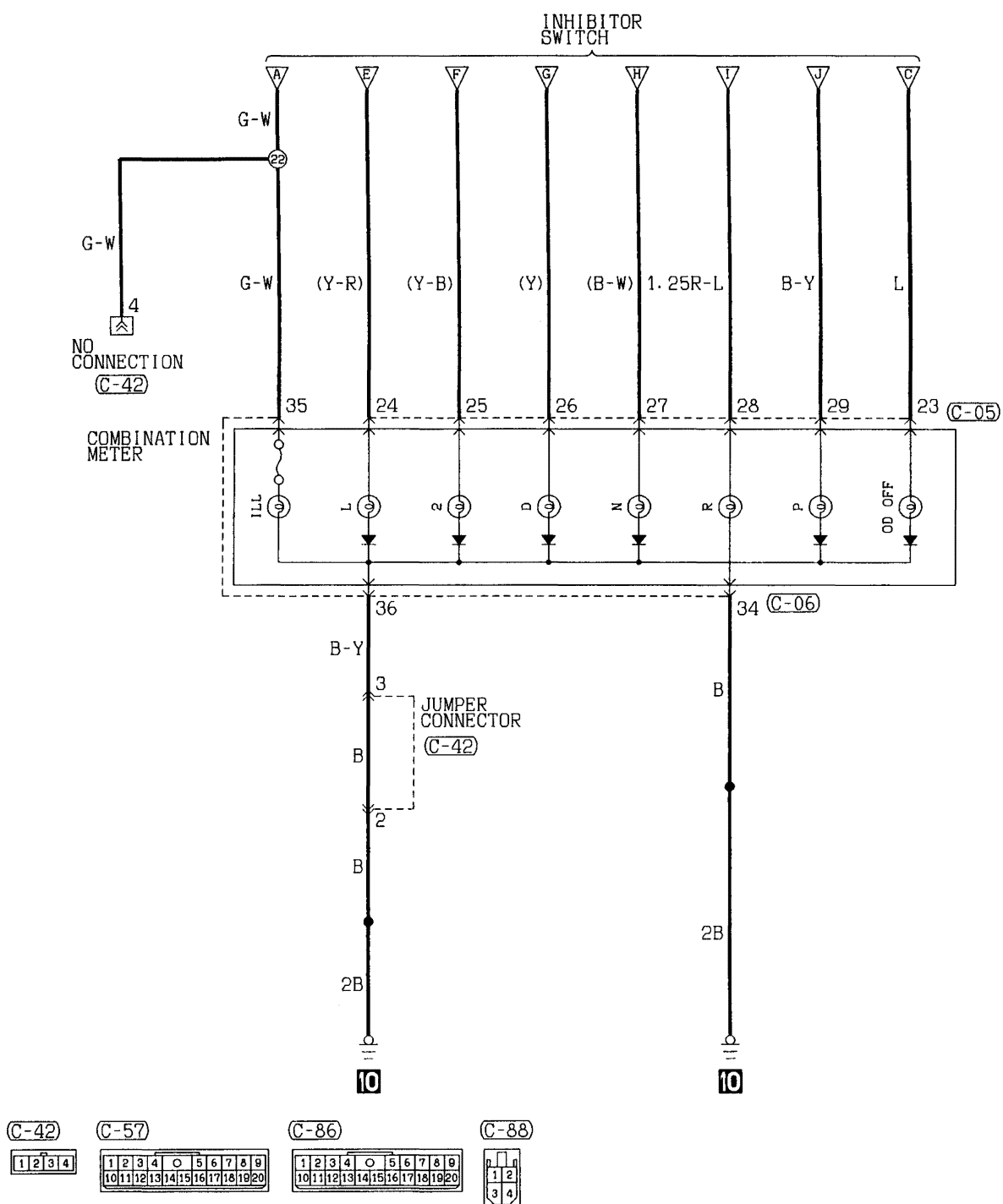
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11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

(C-06)

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

(C-19)

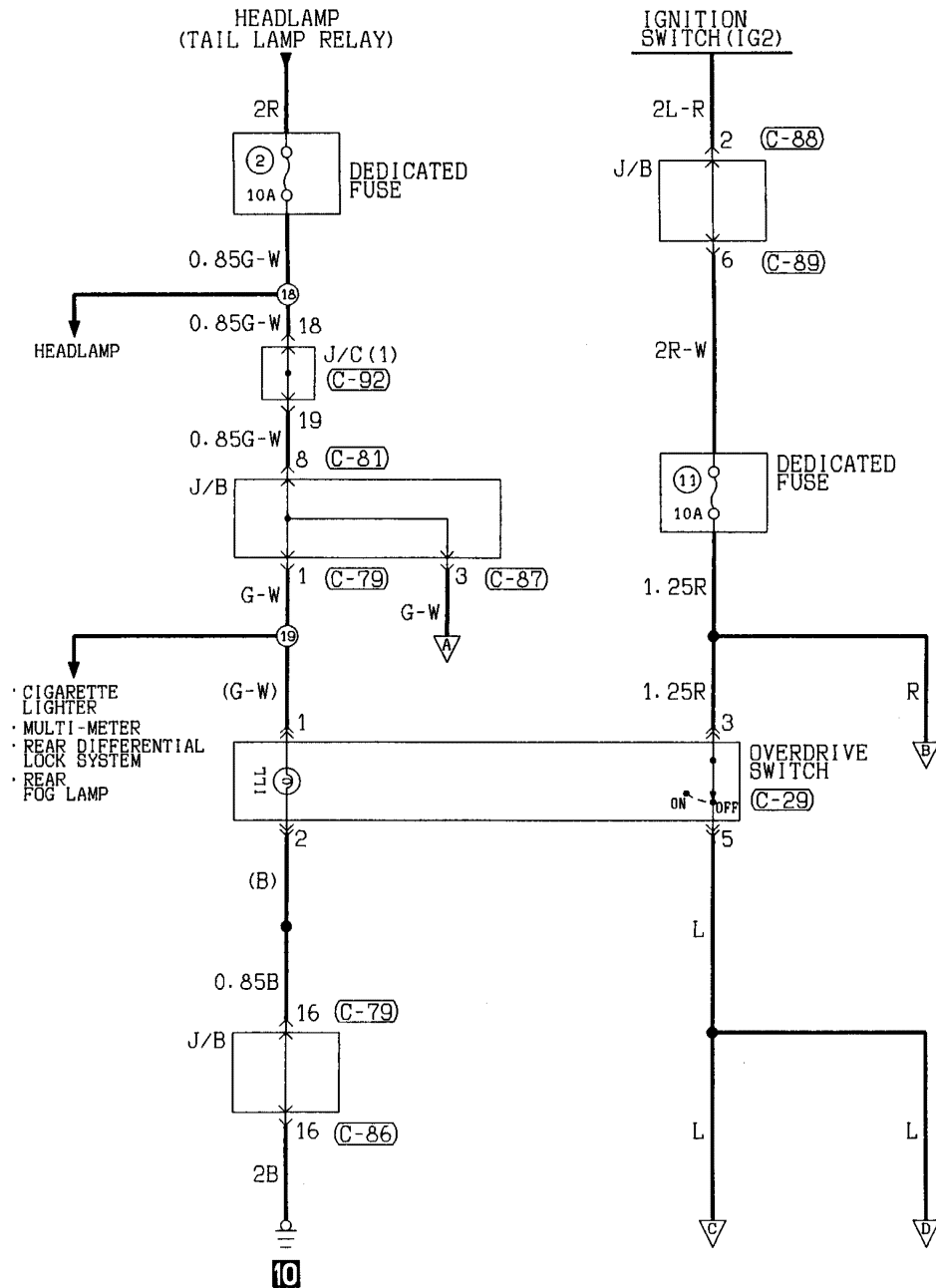
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9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24



OVERDRIVE CONTROL SYSTEM

90100130085

4G63 <1998 Models>



(A-43) (B-06) (C-01)

1

① ② ③ ④

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

(C-06)

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

(C-07)

1

(C-15)

1

(C-29)

1 2 3 4 5 6

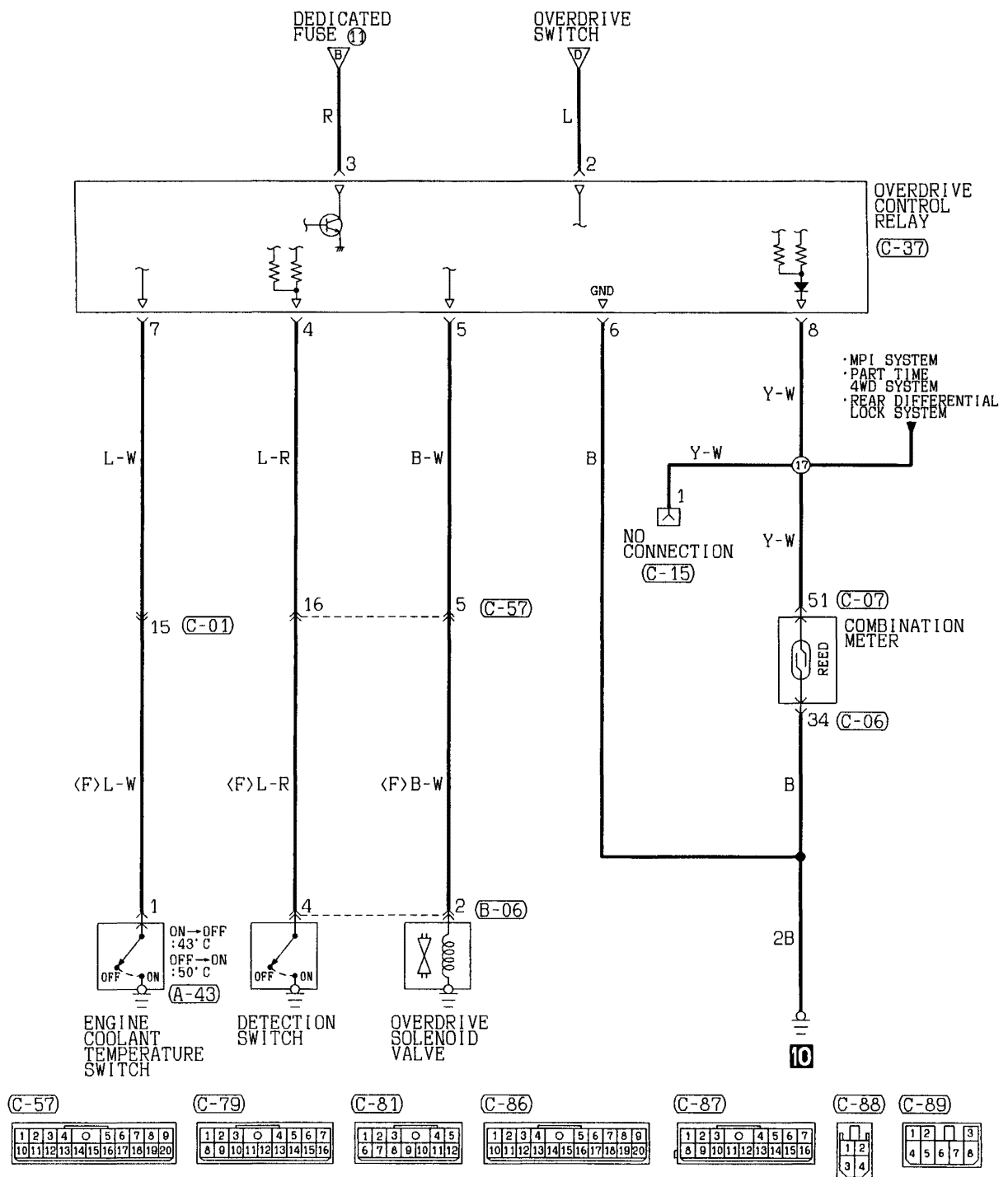
(C-37)

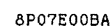
1 2 3 4 5 6 7 8

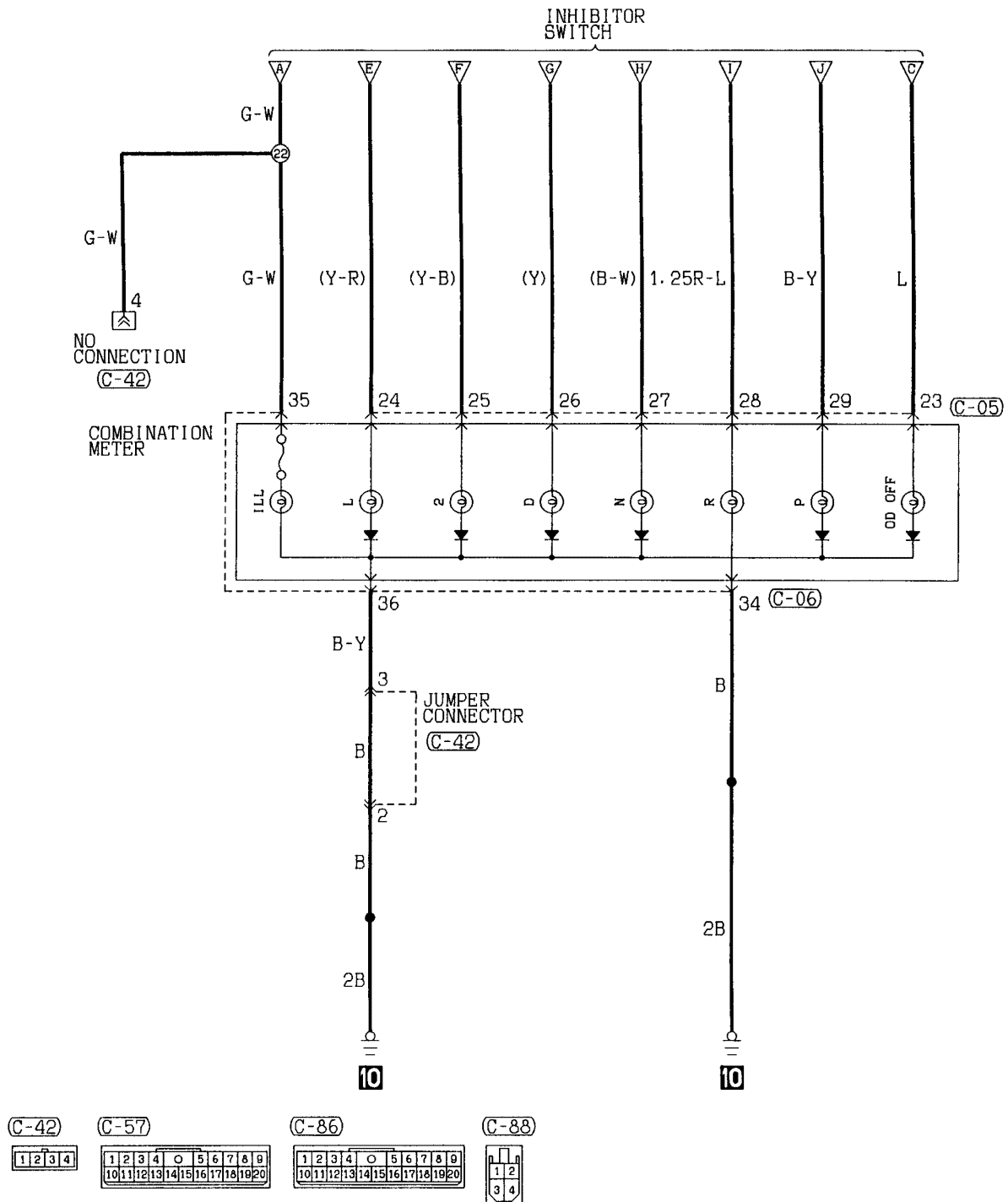
(C-92)

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

8P07E00AA

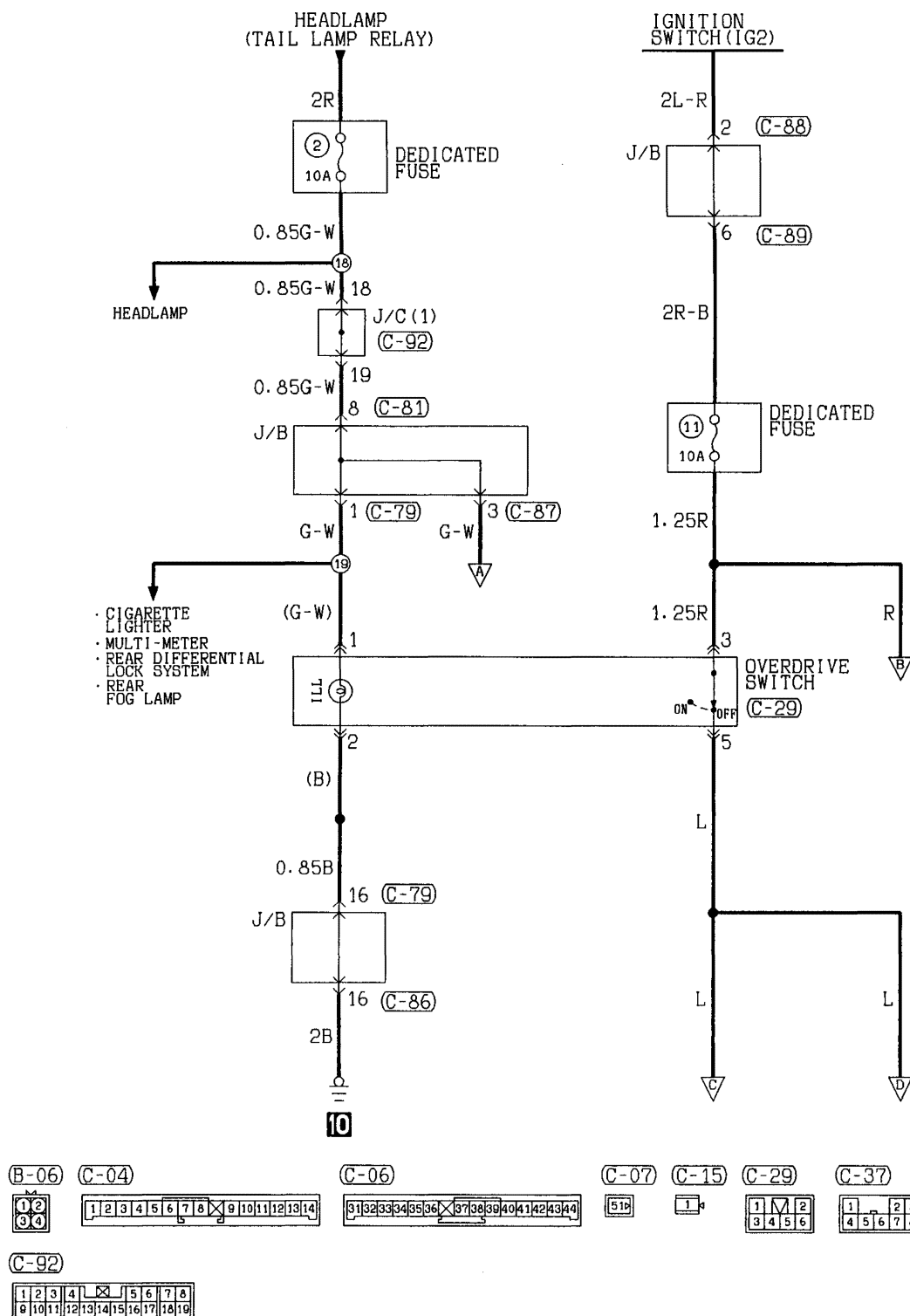


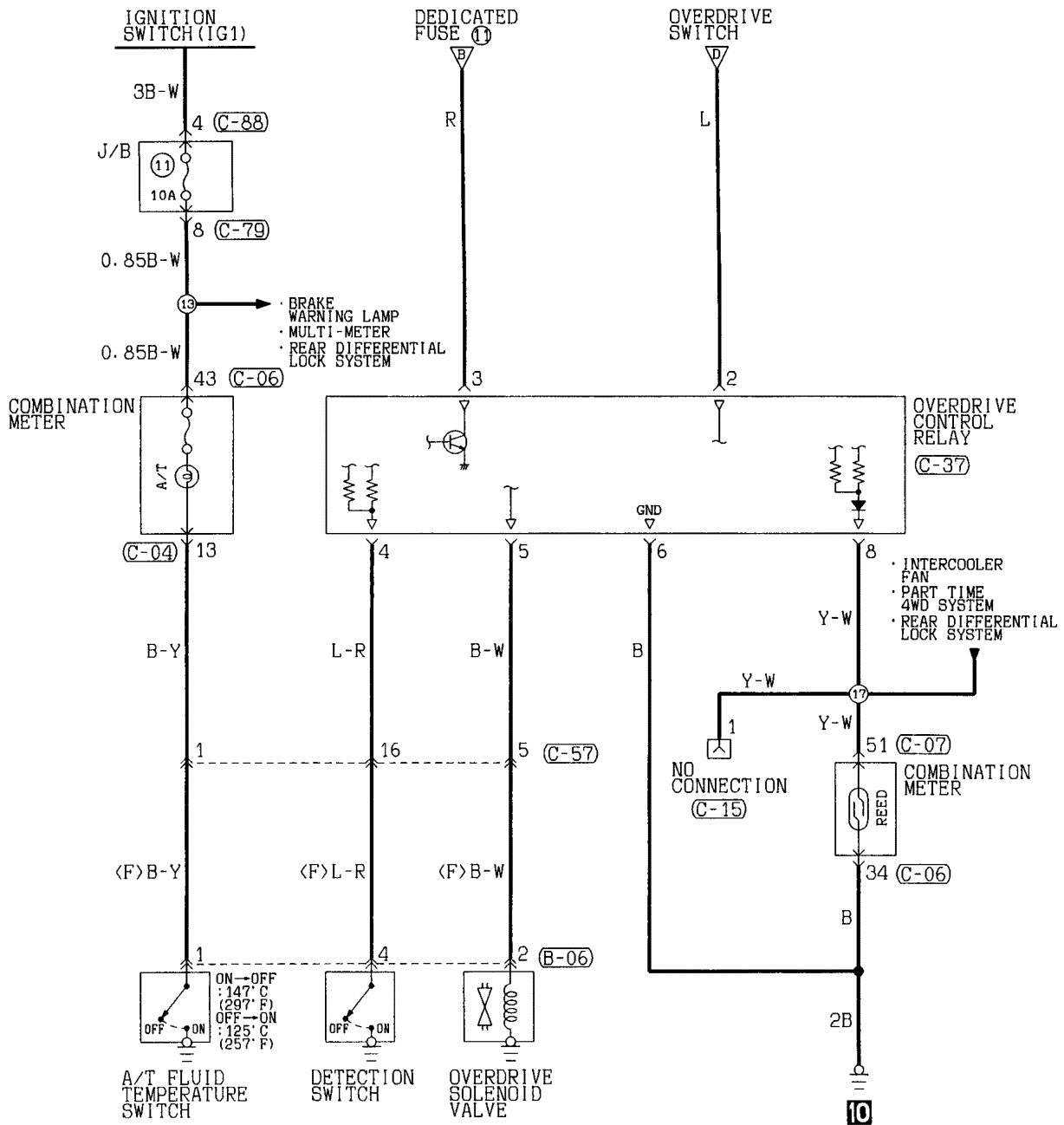




90100130061

4D56 <1997 Models>





(C-57)

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10	11	12	13	14	15	16	17	18
19	20							

(C-79)

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

(C-81)

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

(C-86)

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

(C-87)

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

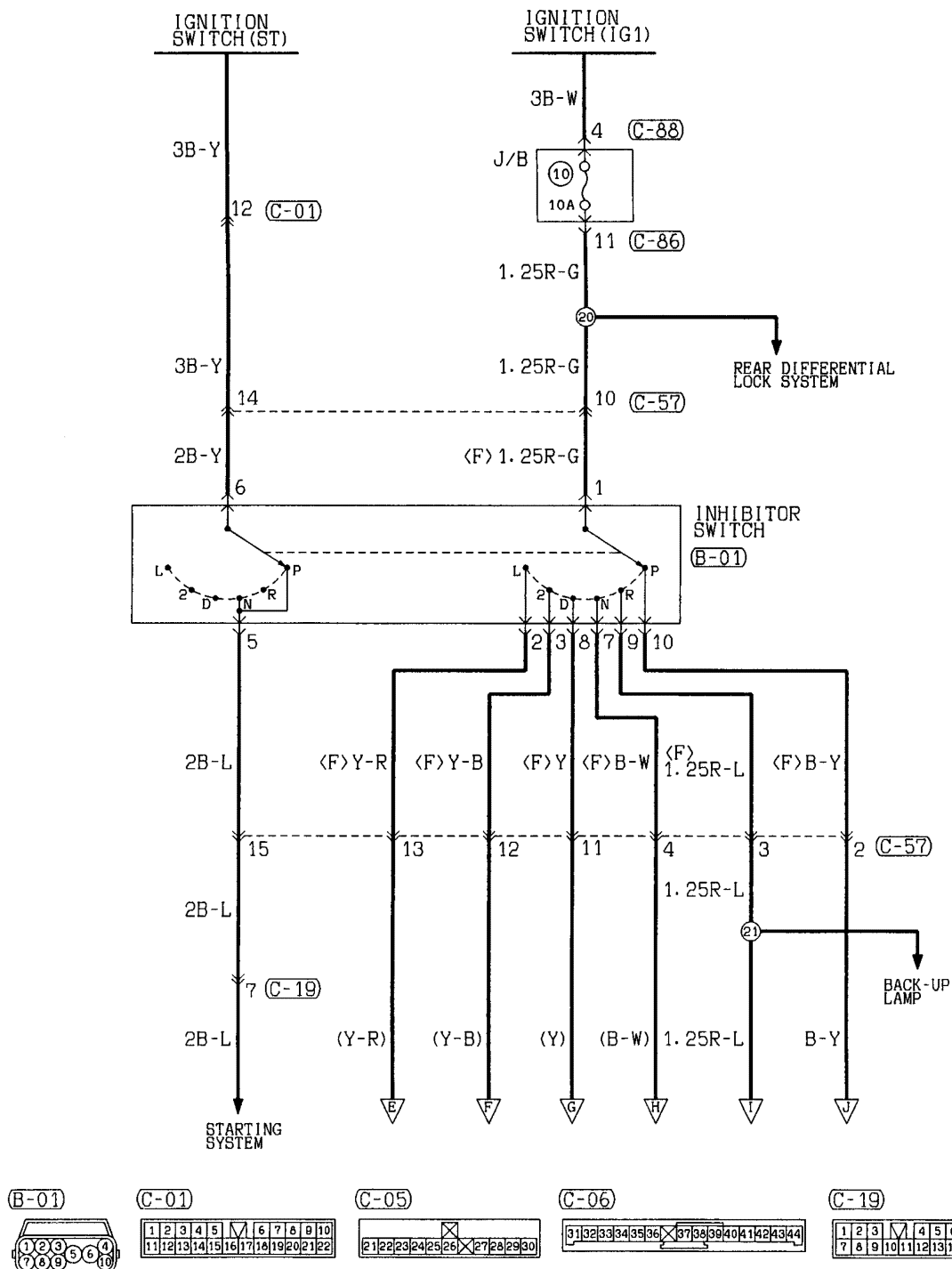
(C-88)

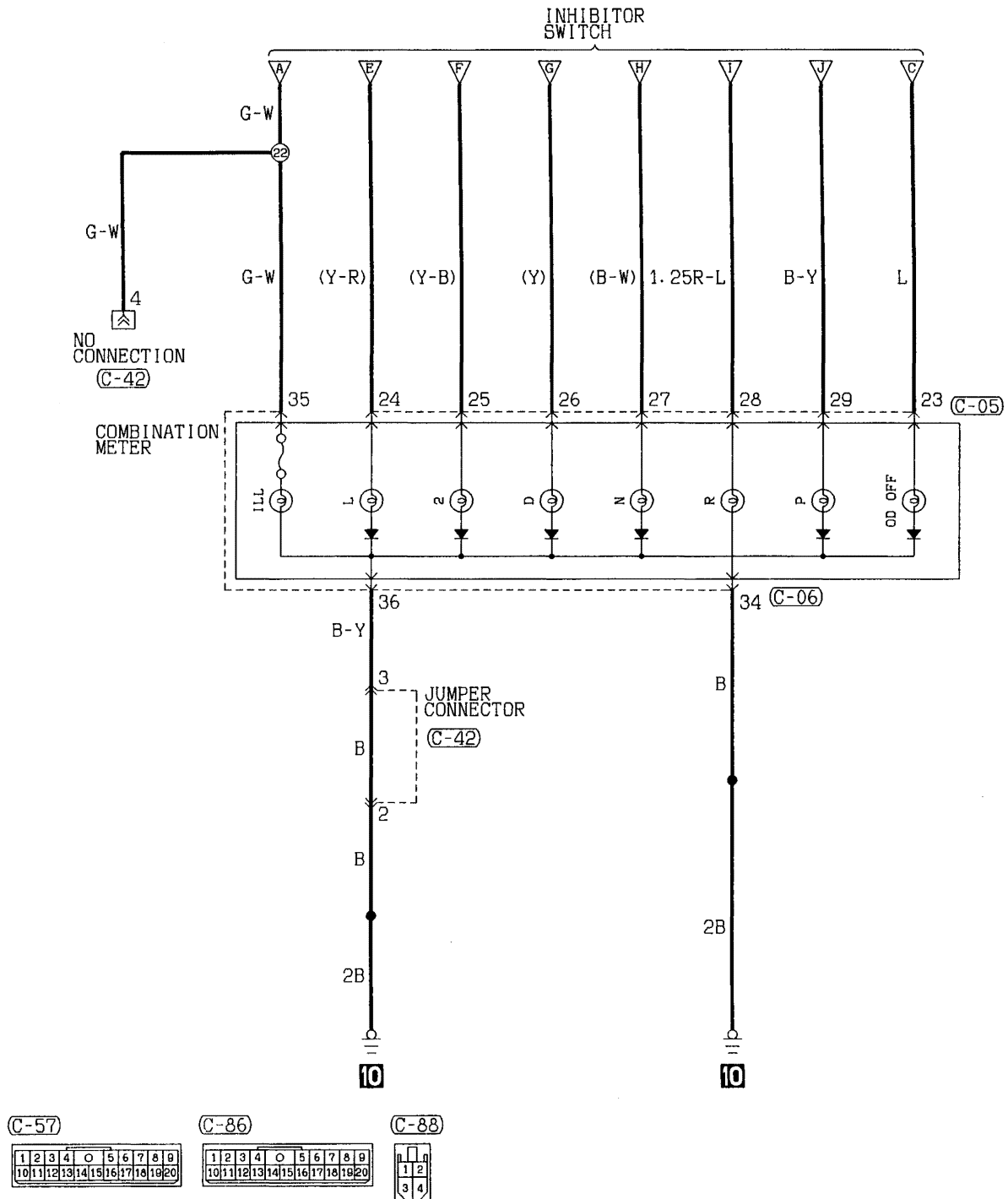
1	2
3	4

(C-89)

1	2	3
4	5	6
7	8	

OVERDRIVE CONTROL SYSTEM <4D56 (1997 Models)> (CONTINUED)

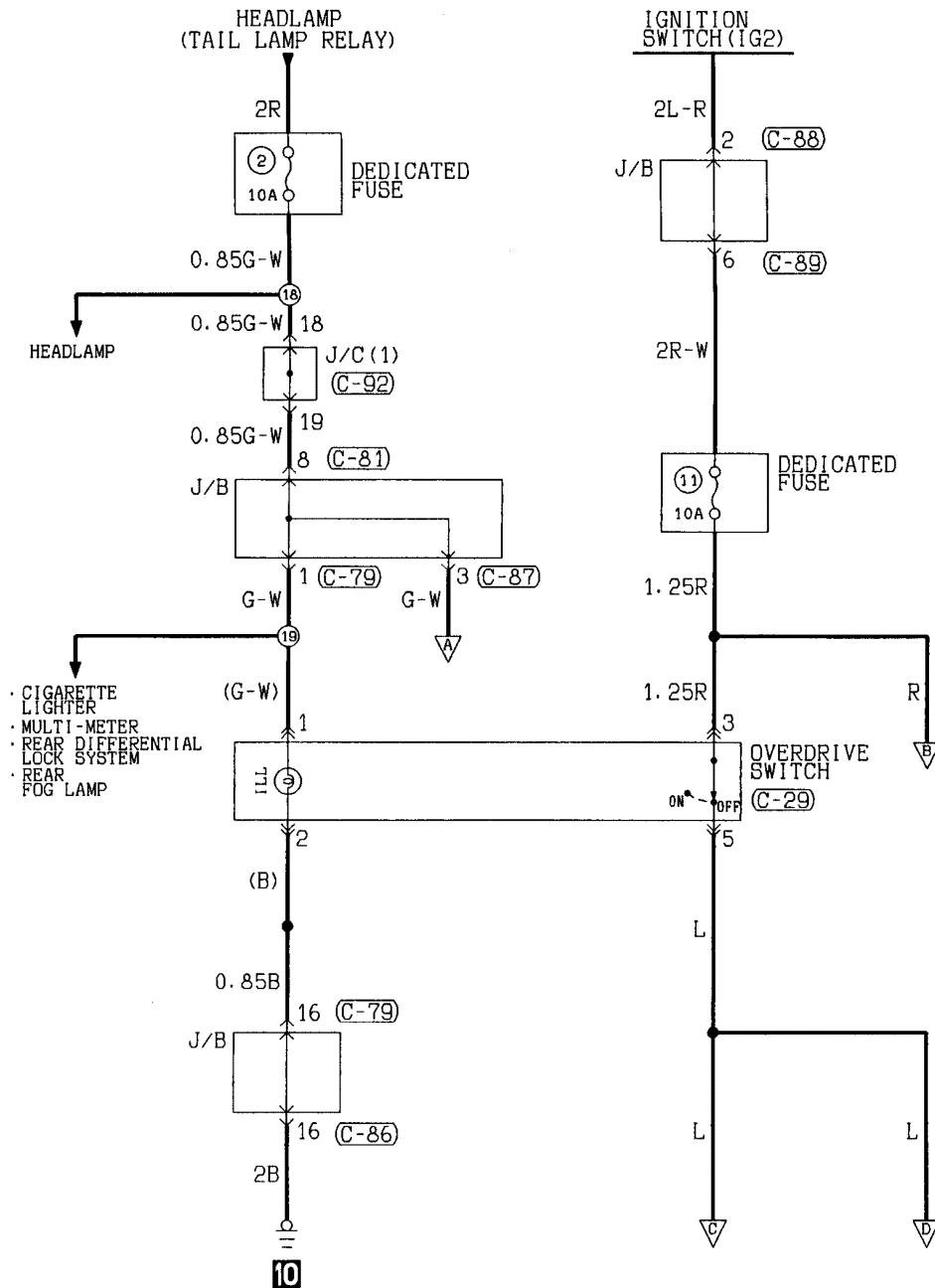




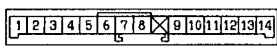
OVERDRIVE CONTROL SYSTEM

90100130092

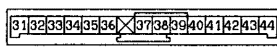
4D56 <1998 Models>



(B-06) (C-04)



(C-06)



(C-07)



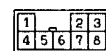
(C-15)



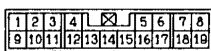
(C-29)



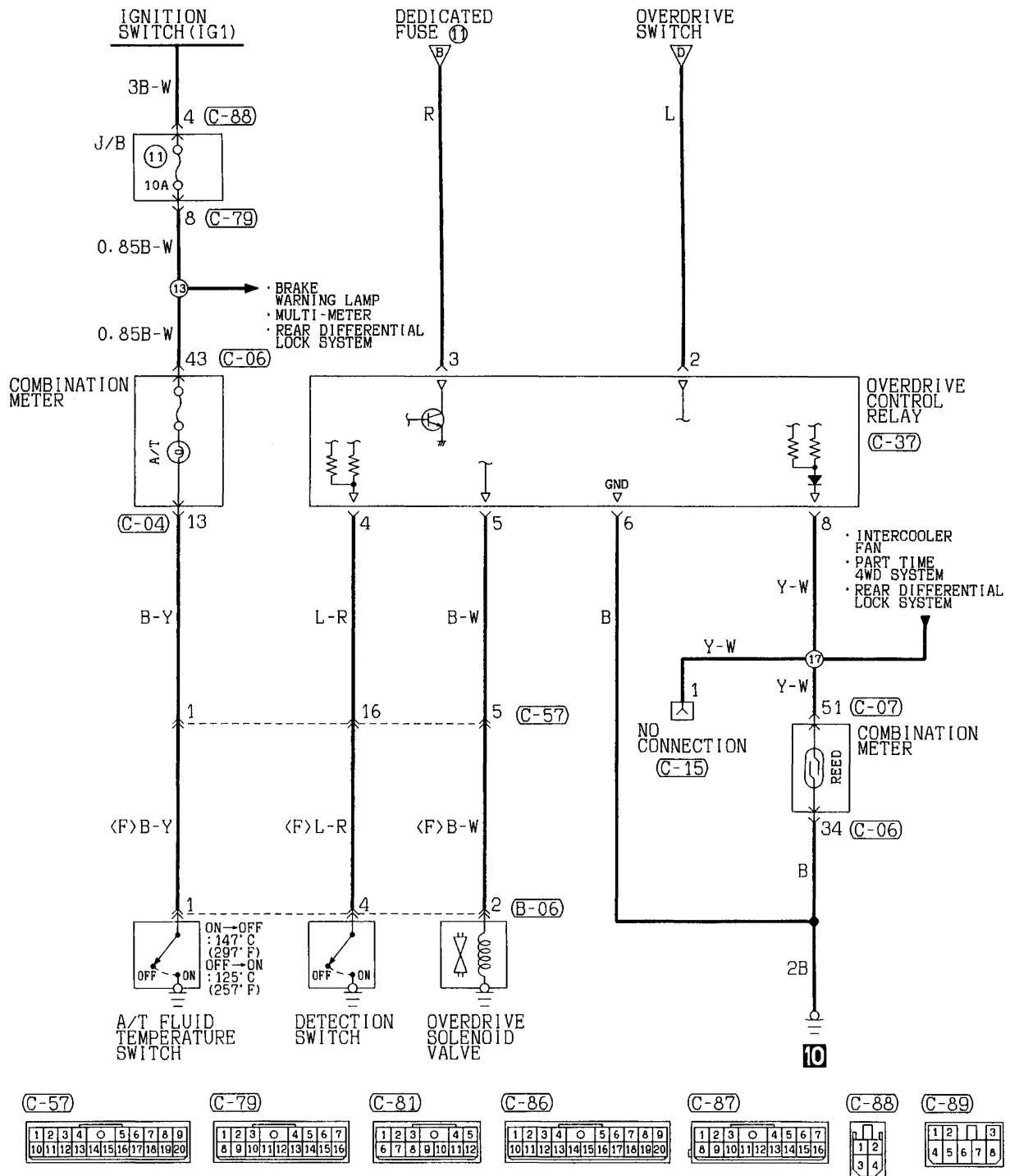
(C-37)

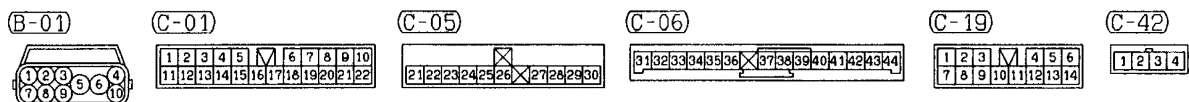


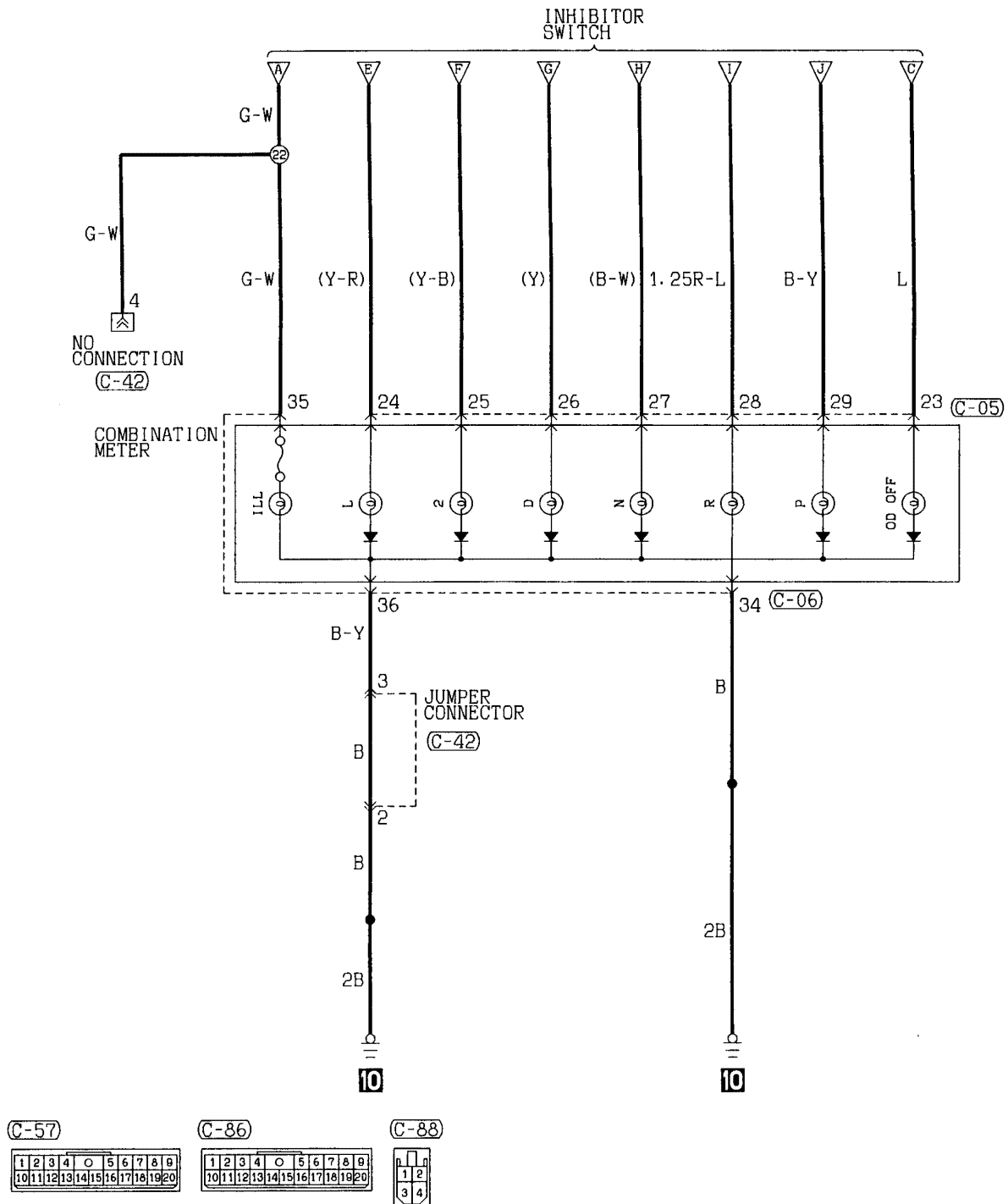
(C-92)



8P07E01AA



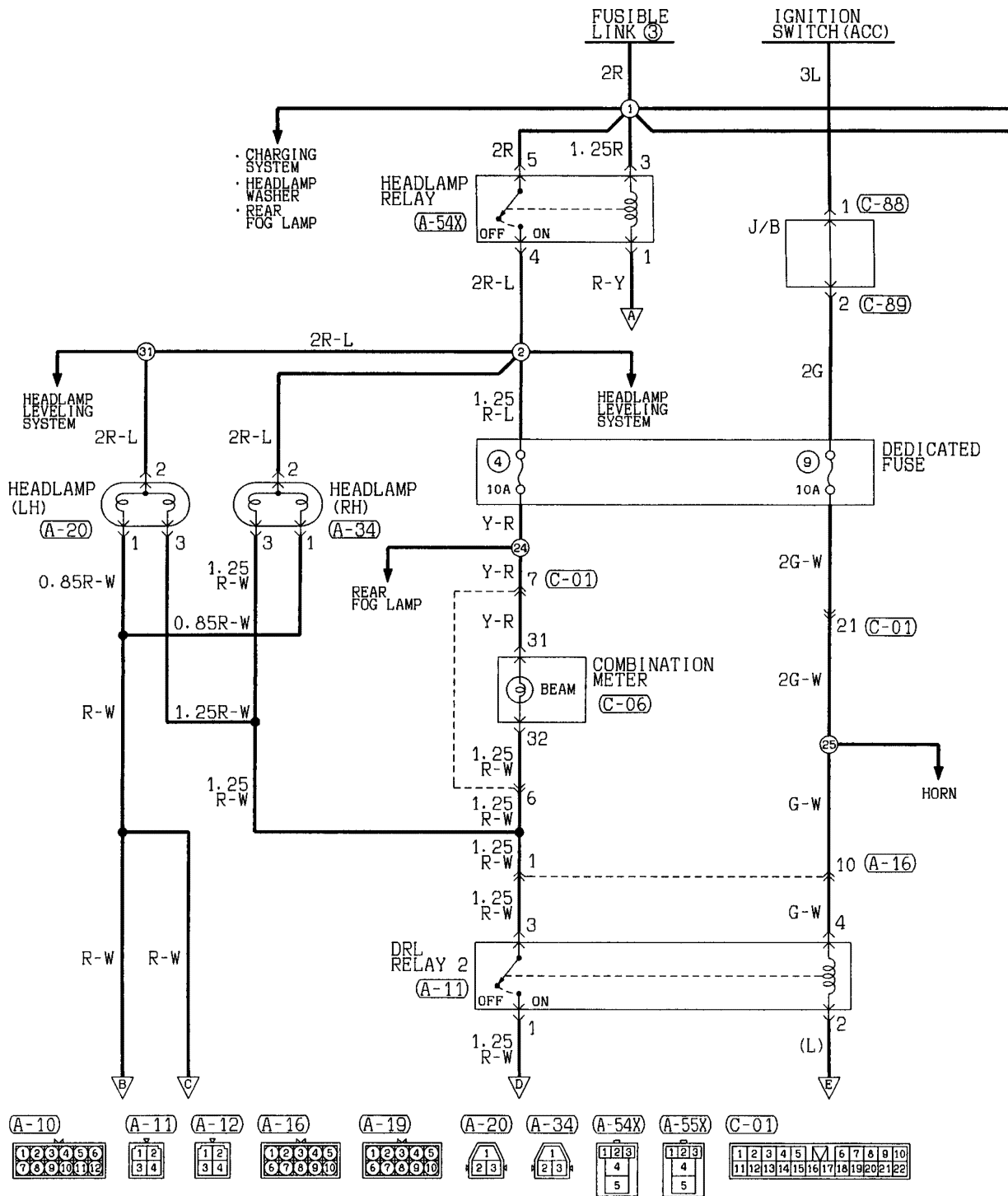
[illegible]

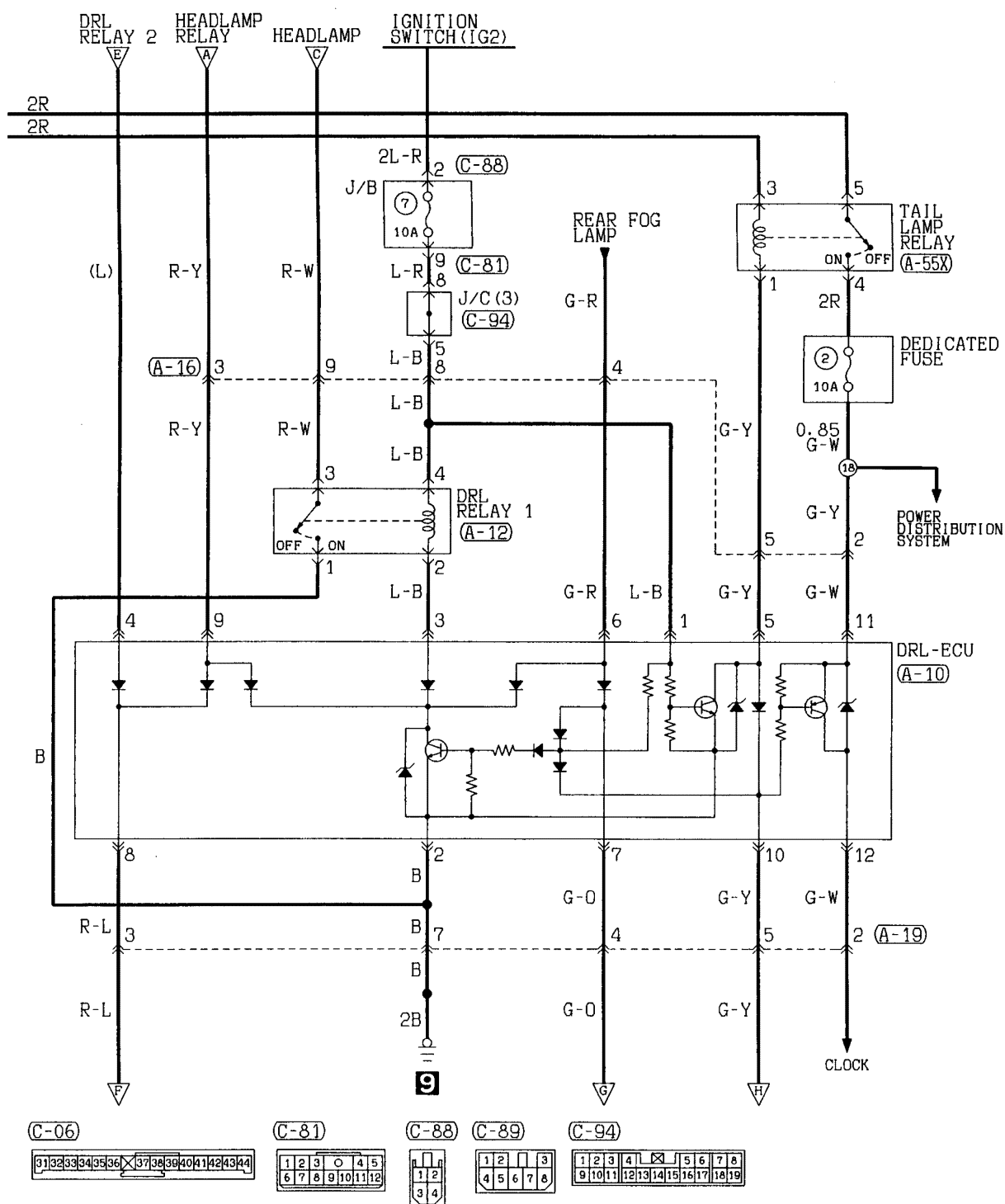


HEADLAMP

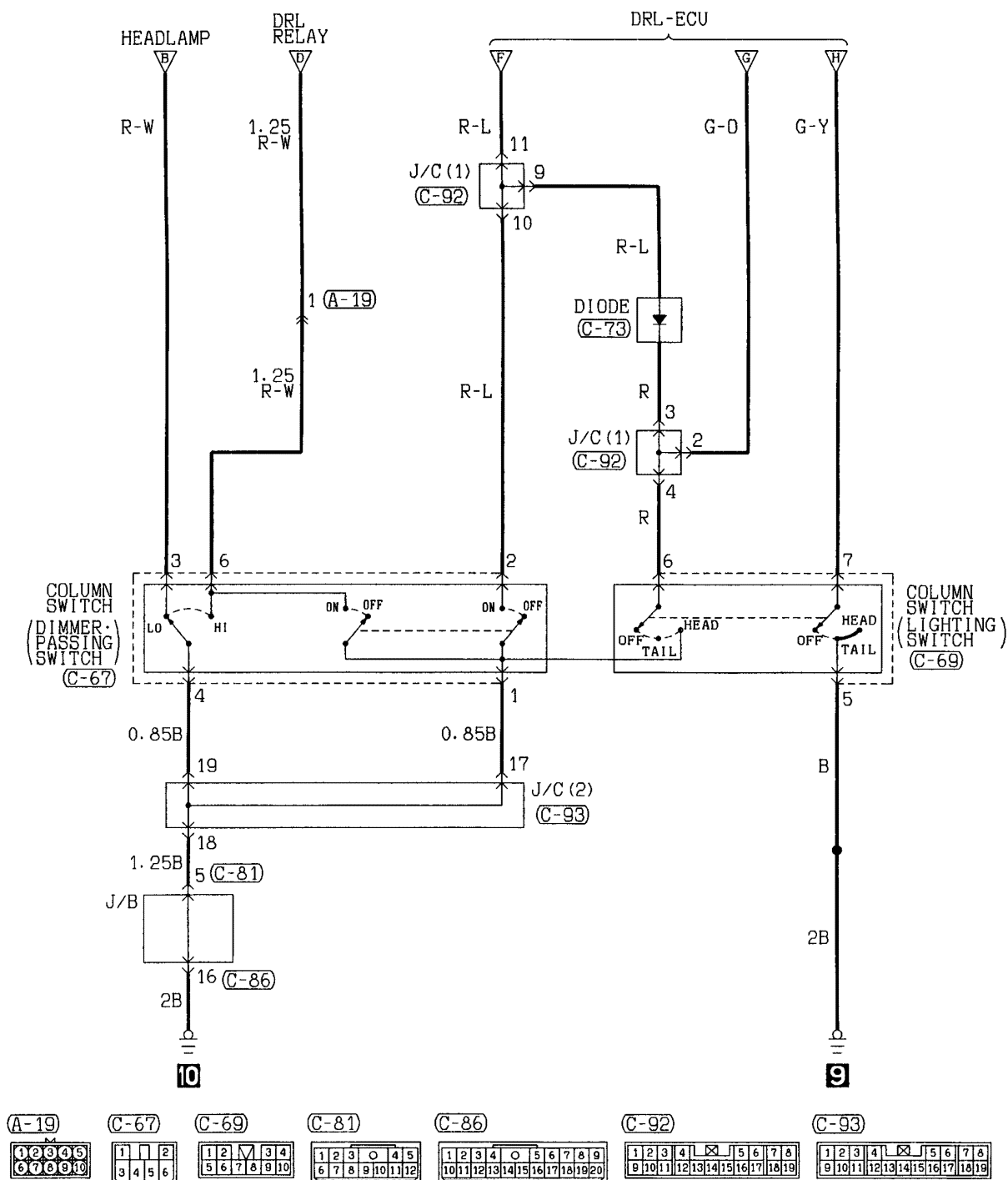
90100150241

L.H. drive vehicles with daytime running lamp <1997 Models>





HEADLAMP <L.H. drive vehicles with daytime running lamp (1997 Models)> (CONTINUED)

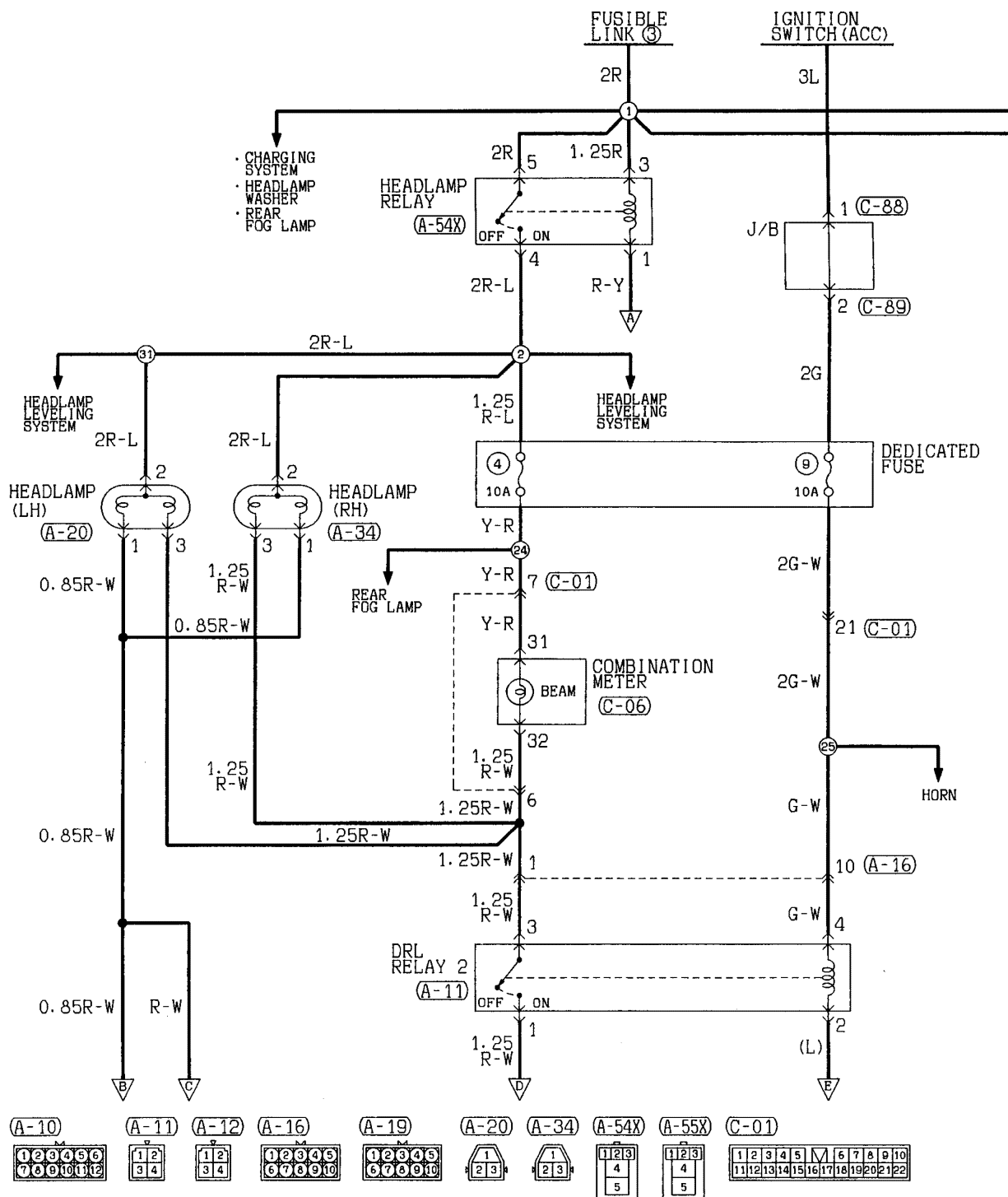


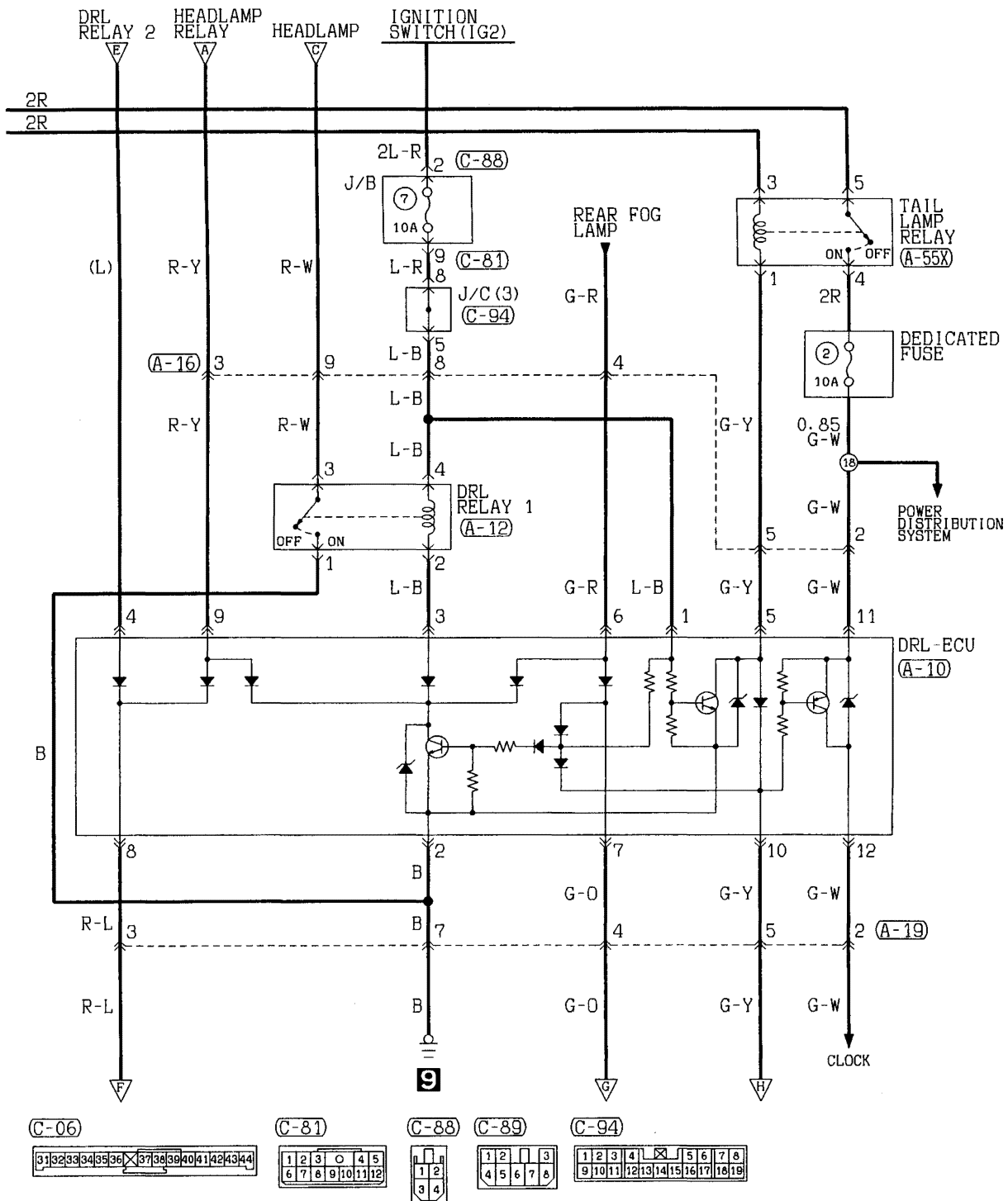
NOTES

HEADLAMP

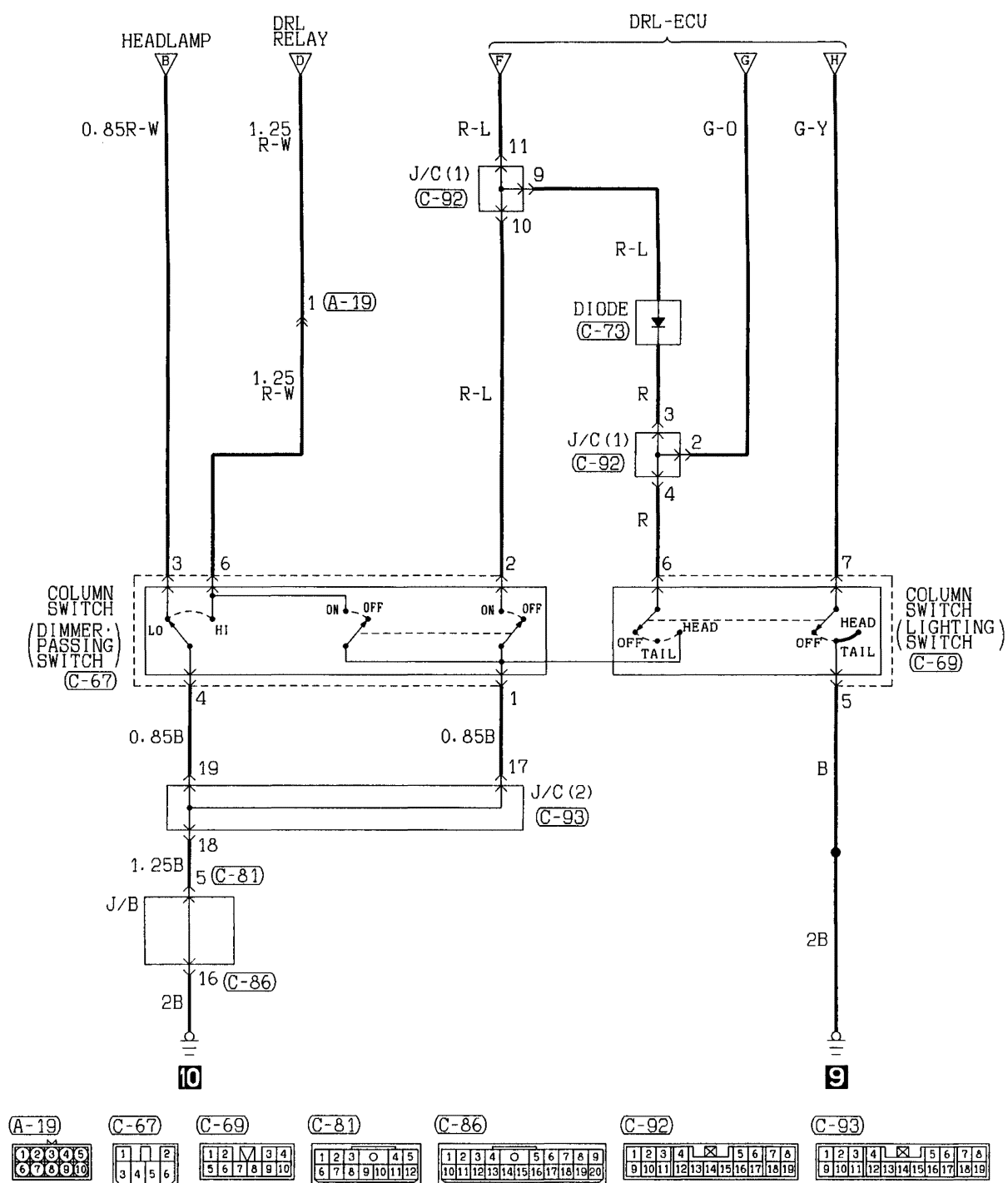
90100150678

L.H. drive vehicles with daytime running lamp <1998 Models>





HEADLAMP <L.H. drive vehicles with daytime running lamp (1998 Models)> (CONTINUED)



HEADLAMP <L.H. drive vehicles with daytime running lamp> (See P. 4-82, 86.)

90100150258

OPERATION

Headlamp relay activation requirements

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

<Daytime running lamp operation>

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam indicator lamp>

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

<Passing operation>

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

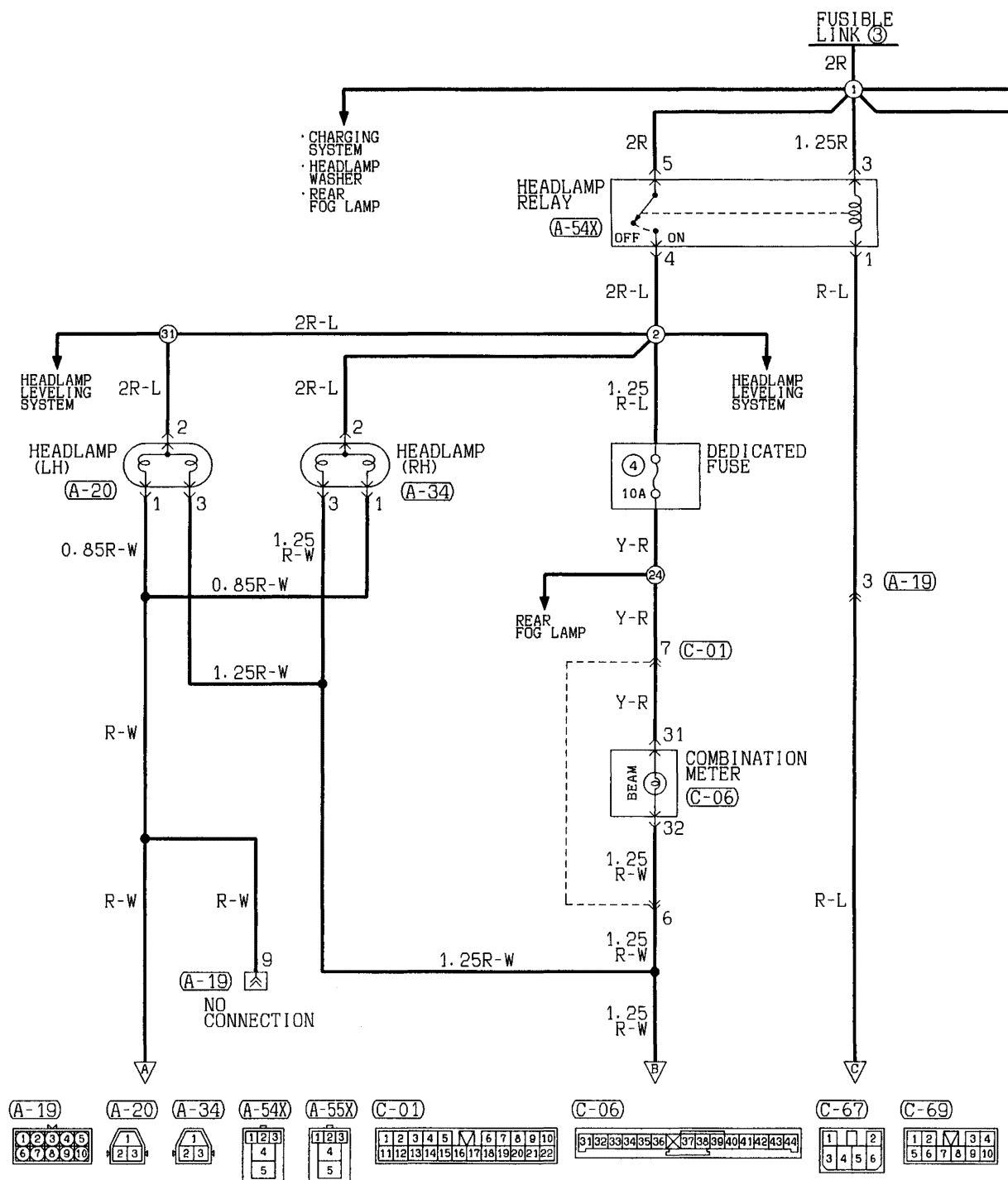
TROUBLESHOOTING HINTS

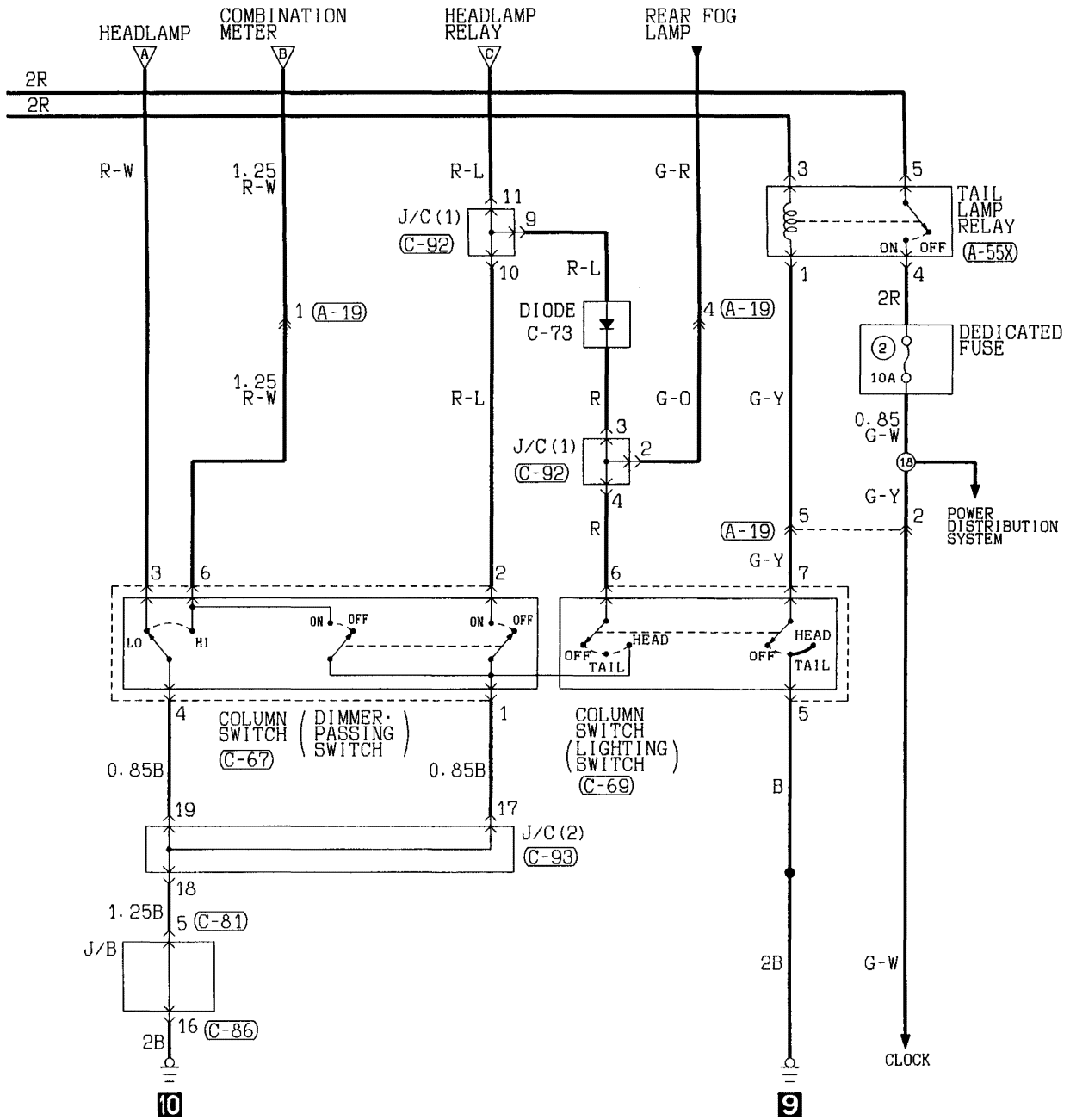
- Headlamps don't go on.
 - But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. (3).
- The low beam at both sides doesn't illuminate.
 - Check the dimmer switch LO contacts.
- The upper beam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

HEADLAMP

90100150265

L.H. drive vehicles without daytime running lamp <1997 Models>





(C-81)

1	2	3	4	5
6	7	8	9	10

(C-86)

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

(C-92)

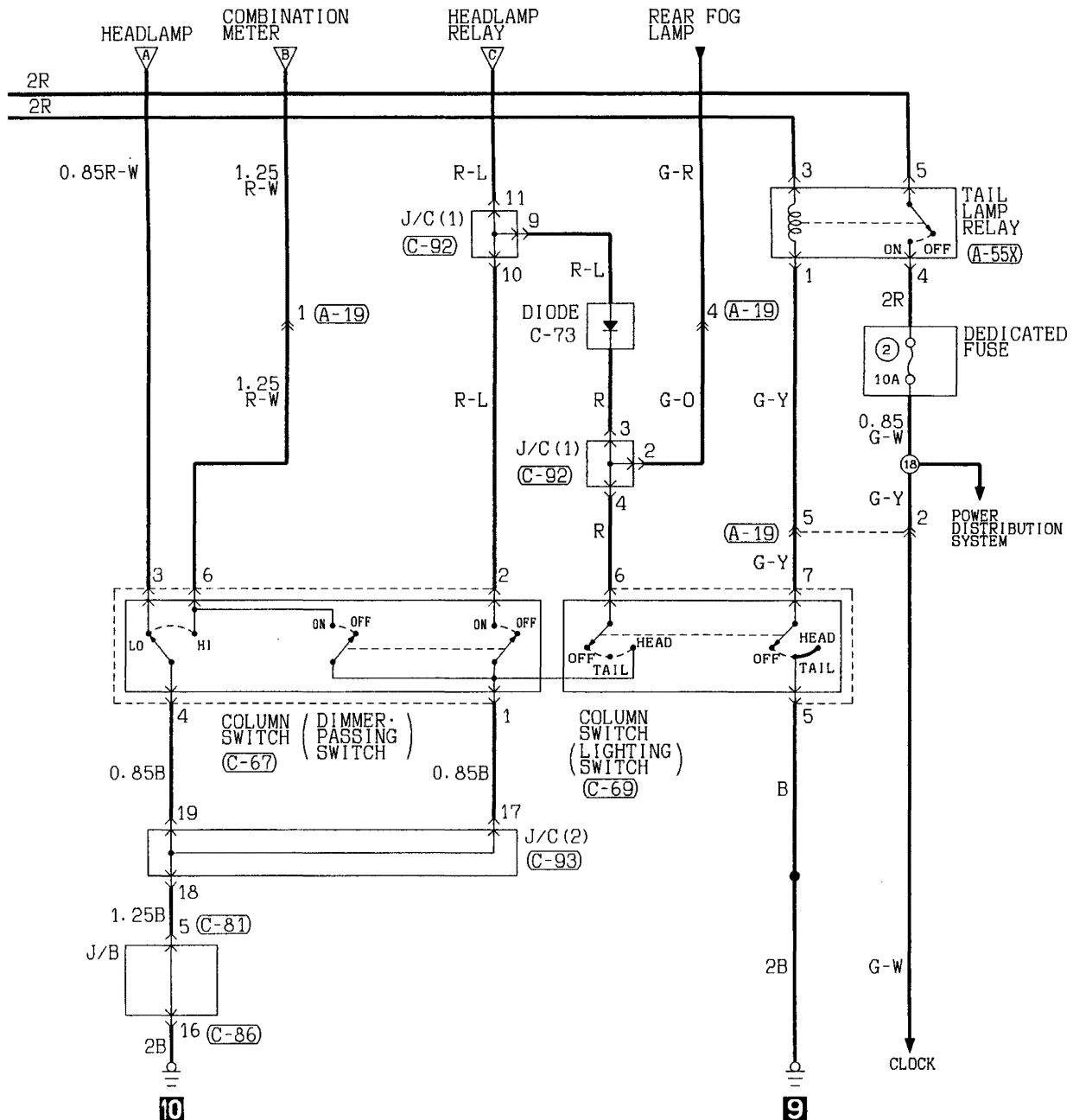
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

(C-93)

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

90100150685

[illegible]



(C-81)

1	2	3	4	5
6	7	8	9	10

(C-86)

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

(C-92)

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

(C-93)

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

HEADLAMP <L.H. drive Vehicles without daytime running lamp> (See P. 4-90, 92.)

90100150272

OPERATION

Headlamp relay activation requirements

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

<Low-beam operation>

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

<Upper-beam operation>

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

<Upper-beam Indicator lamp>

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

<Passing operation>

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

TROUBLESHOOTING HINTS

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

HEADLAMP <R.H. drive vehicles> (See P. 4-96, 98.)

90100150289

OPERATION

Headlamp relay activation requirements

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

<Dim-dip lamp operation>

- Placing the lighting switch in the TAIL position causes dim-dip lamp relay 1 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 2 and dim-dip lamp relay 3 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 2 and dim-dip lamp relay 3 to be energized.
- If the dimmer/passing switch is placed in the HI position at this time, the headlamps light up in upper beam.

<Upper-beam Indicator lamp>

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

<Passing operation>

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

TROUBLESHOOTING HINTS

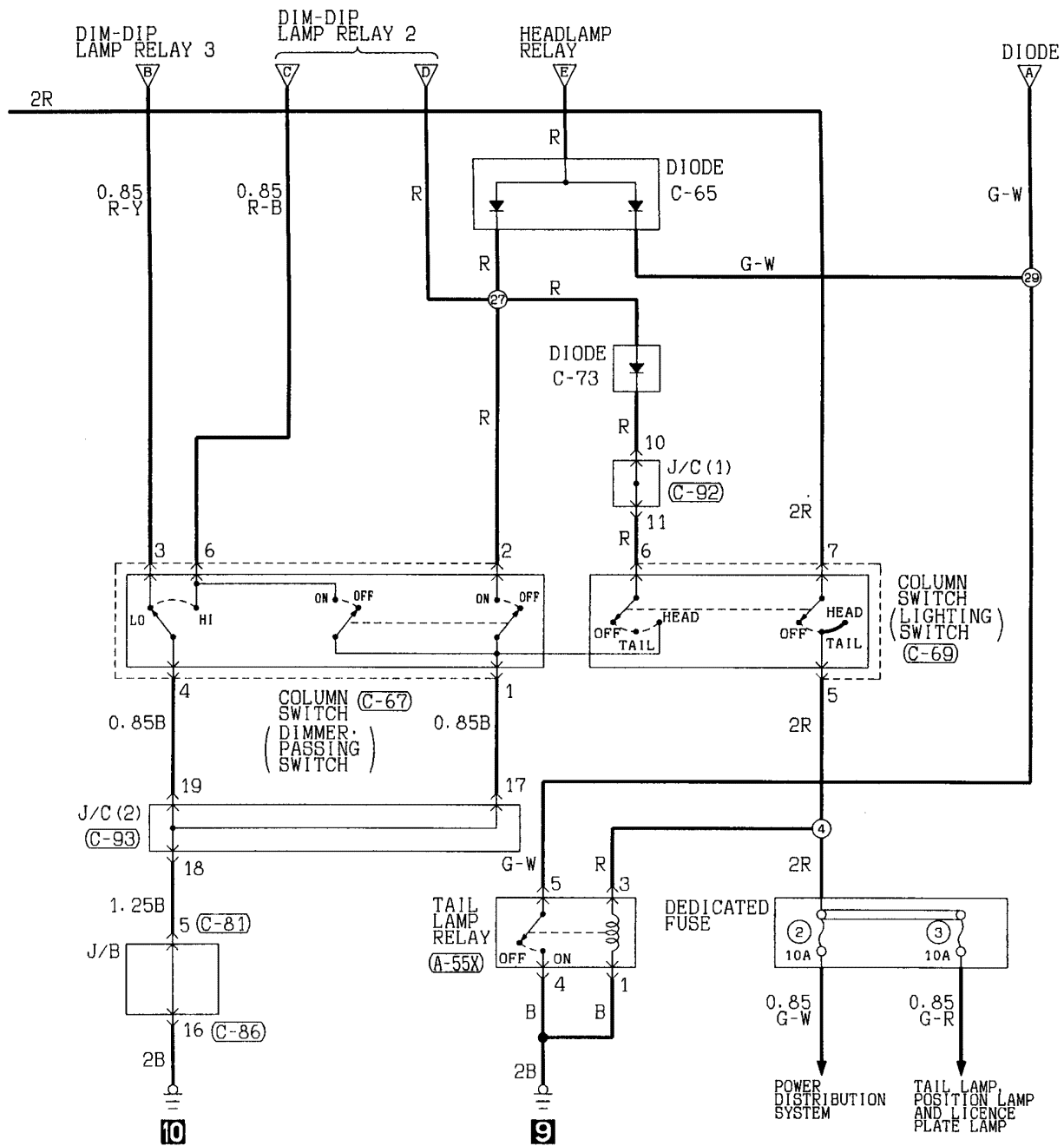
- Headlamps don't go on.
 - But the tail lamps do illuminate.
 - Check the headlamp relay.
 - Check the lighting switch.
 - Check the dim-dip lamp relays 2 and 3.
 - The tail lamps also don't illuminate.
 - Check the fusible link No. (3).
- The low beam at both sides doesn't illuminate.
 - Check the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

90100150296

Wiring diagram for the 1966 Ford Mustang 2-door coupe, showing the electrical system from the ignition switch to the rear fog lamp and combination meter. The diagram includes components like the headlamp relay, dim-dip lamp relays, and various resistors. A parts list at the bottom identifies components A-20 through C-06.

Parts List:

Part Number	Description
A-20	HEADLAMP (LH)
A-34	HEADLAMP (RH)
A-54X	HEADLAMP RELAY (A-54X)
A-55X	HEADLAMP RELAY (A-55X)
A-98	DIM-DIP LAMP RELAY 3 (A-98)
A-99	DIM-DIP LAMP RELAY 2 (A-99)
A-100	DIM-DIP LAMP RELAY 1 (A-100)
A-101	DIM-DIP LAMP RESISTOR (A-101)
C-01	REAR FOG LAMP (C-01)
C-06	COMBINATION METER (C-06)



(C-67)

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

(C-69)

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

(C-81)

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

(C-86)

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

(C-88)

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

(C-92)

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

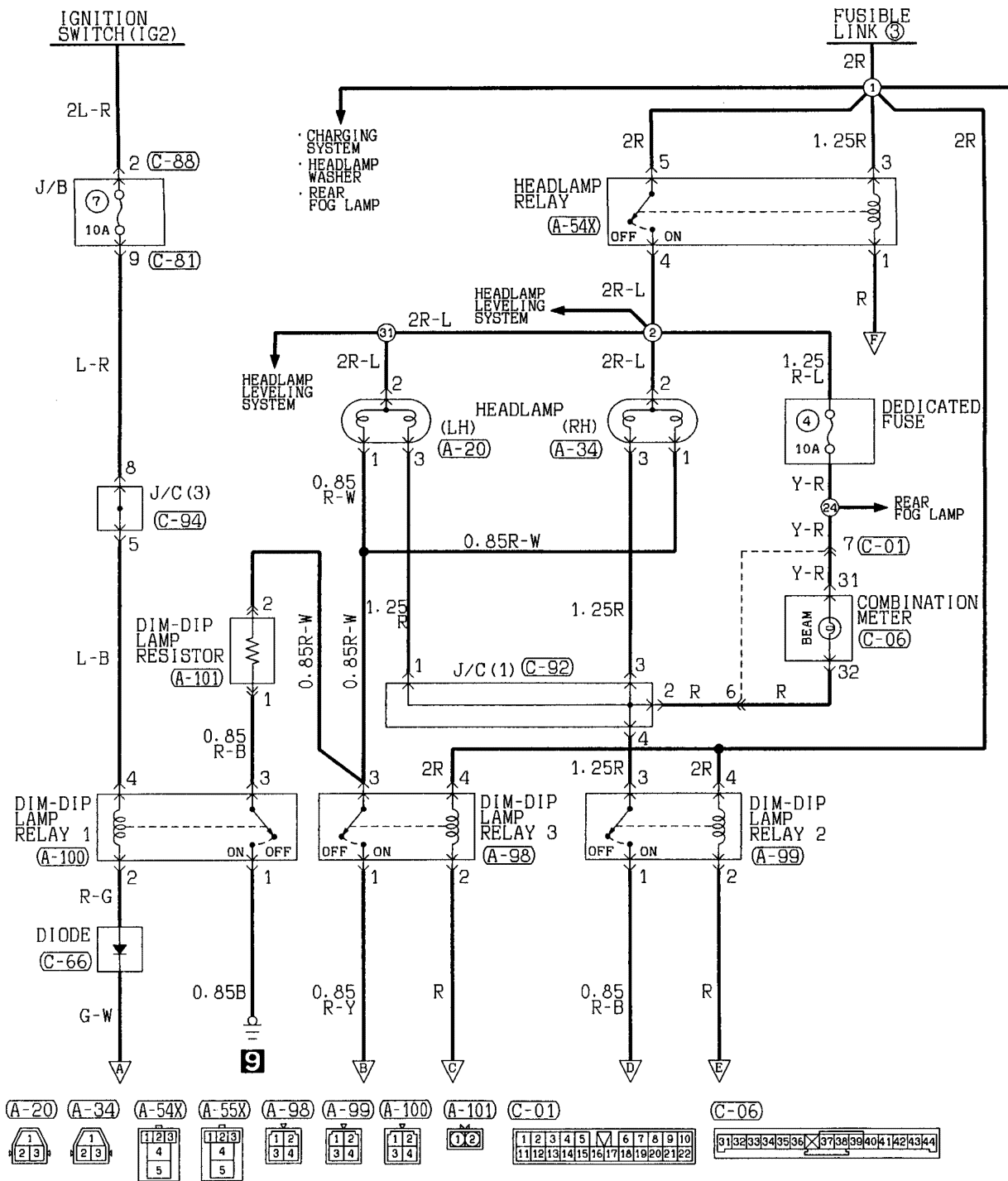
(C-93)

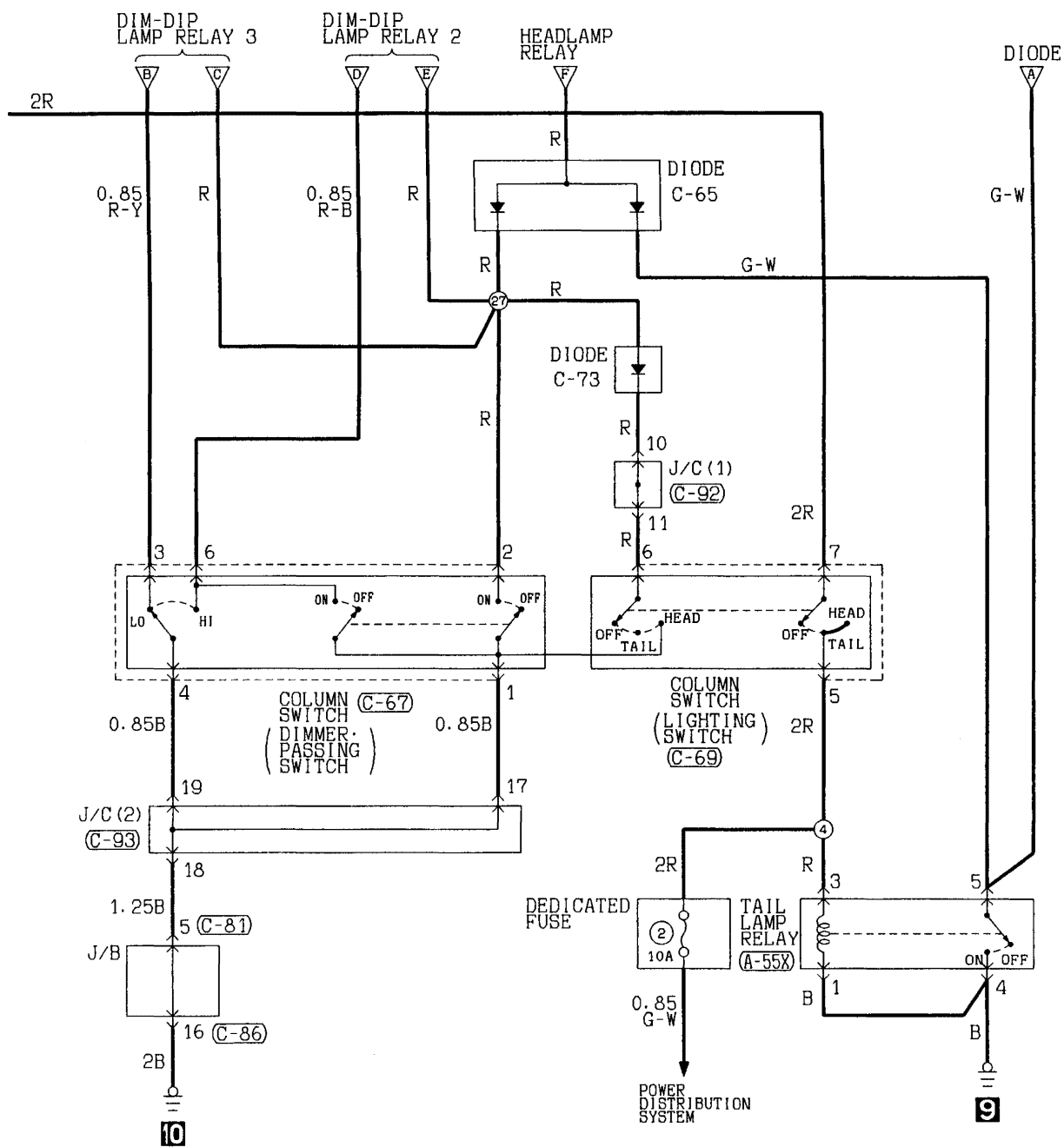
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21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

HEADLAMP

90100150692

R.H. drive vehicles <1998 Models>





(C-67)

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

(C-69)

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

(C-81)

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

(C-86)

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

(C-88)

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

(C-92)

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

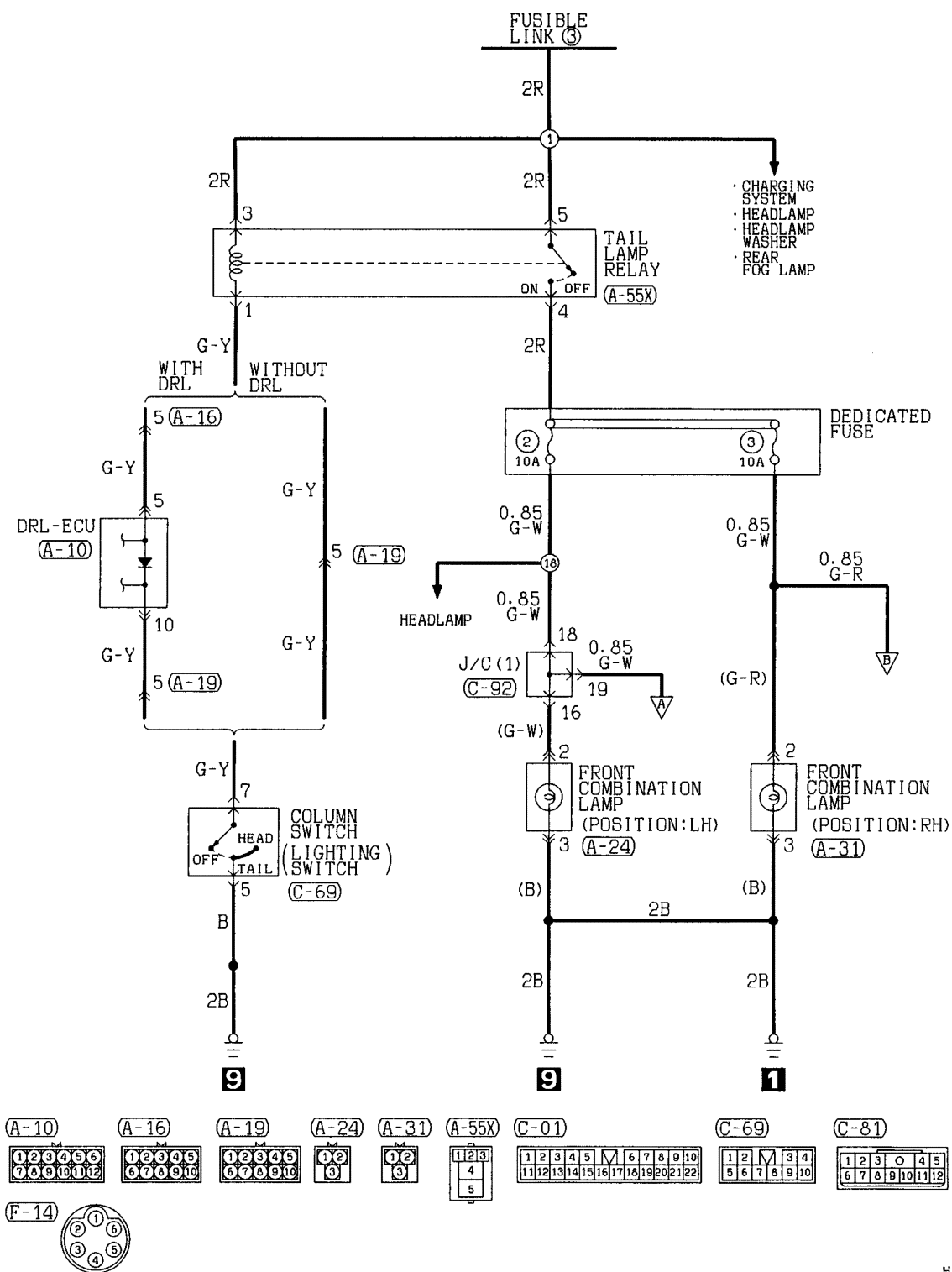
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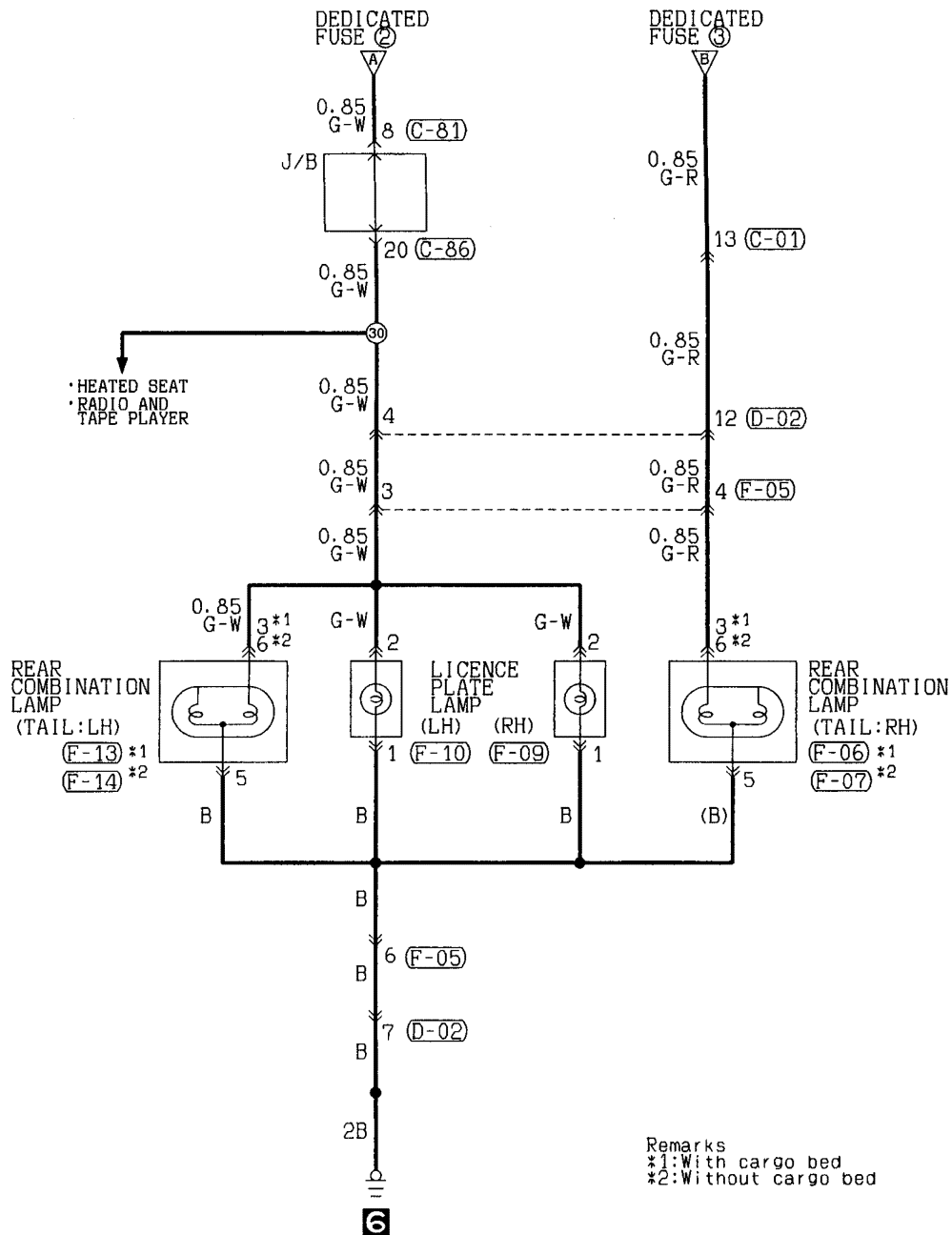
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TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260158

L.H. drive vehicles <1997 Models>





(C-86)

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

(C-92)

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

(D-02)

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

(F-05)

1	2	3	4
5	6	7	8

(F-06)

1	2	3
4	5	6

(F-07)

1	2	3	4
5	6	7	8

(F-09)

1	2
---	---

(F-10)

1	2
---	---

(F-13)

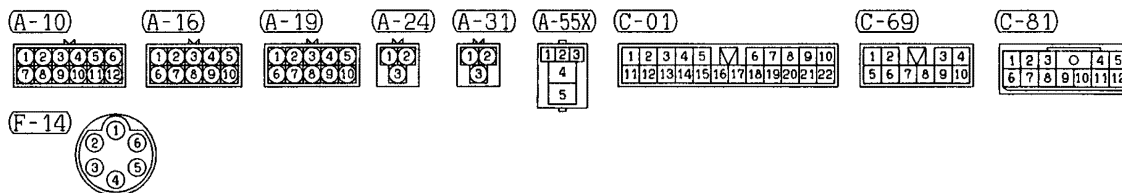
1	2	3
4	5	6

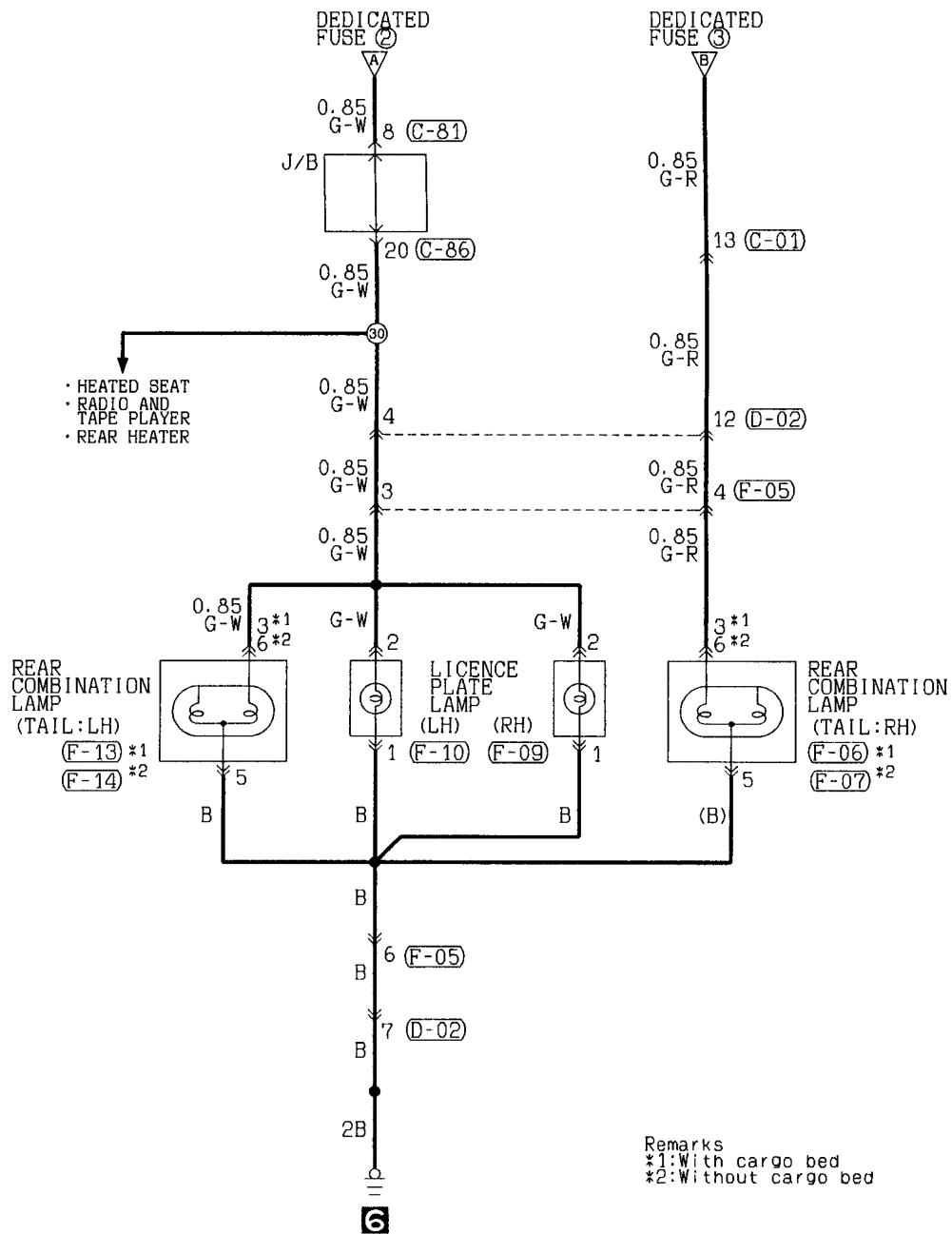
90101260318

The diagram illustrates the electrical circuit for the vehicle's lighting system, starting from a FUSIBLE LINK ③ connected to a 2R power source. The circuit is divided into three main sections: 9, 1, and 1.

- Section 9:** This section includes the DRL-ECU (A-10) and the COLUMN SWITCH (LIGHTING) SWITCH (C-69). The DRL-ECU is connected to the 2R line via a 5 (A-16) fuse. The COLUMN SWITCH is connected to the 2R line via a 5 (A-19) fuse. The DRL-ECU has two outputs: one to the HEADLAMP (0.85 G-W) and one to the TAIL LAMP RELAY (A-55X). The COLUMN SWITCH has two outputs: one to the HEADLAMP (0.85 G-W) and one to the TAIL LAMP RELAY (A-55X).
- Section 1:** This section includes the TAIL LAMP RELAY (A-55X) and the DEDICATED FUSE. The TAIL LAMP RELAY is connected to the 2R line via a 5 (A-55X) fuse. The DEDICATED FUSE is connected to the 2R line via a 10A fuse. The DEDICATED FUSE has two outputs: one to the HEADLAMP (0.85 G-W) and one to the TAIL LAMP RELAY (A-55X).
- Section 1:** This section includes the FRONT COMBINATION LAMP (POSITION: LH) (A-24) and the FRONT COMBINATION LAMP (POSITION: RH) (A-31). Both lamps are connected to the 2R line via a 5 (A-19) fuse. The FRONT COMBINATION LAMP (POSITION: LH) is connected to the 2R line via a 5 (A-19) fuse. The FRONT COMBINATION LAMP (POSITION: RH) is connected to the 2R line via a 5 (A-19) fuse.

The diagram also shows the connection to the BATTERY (B) and the 2B terminal.





C-86

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

C-92

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

D-02

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

F-05

1	2	3	4
5	6	7	8

F-06

1	2	3
4	5	6

F-07

1	2	3	4
5	6	7	8

F-09

1	2
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F-10

1	2
---	---

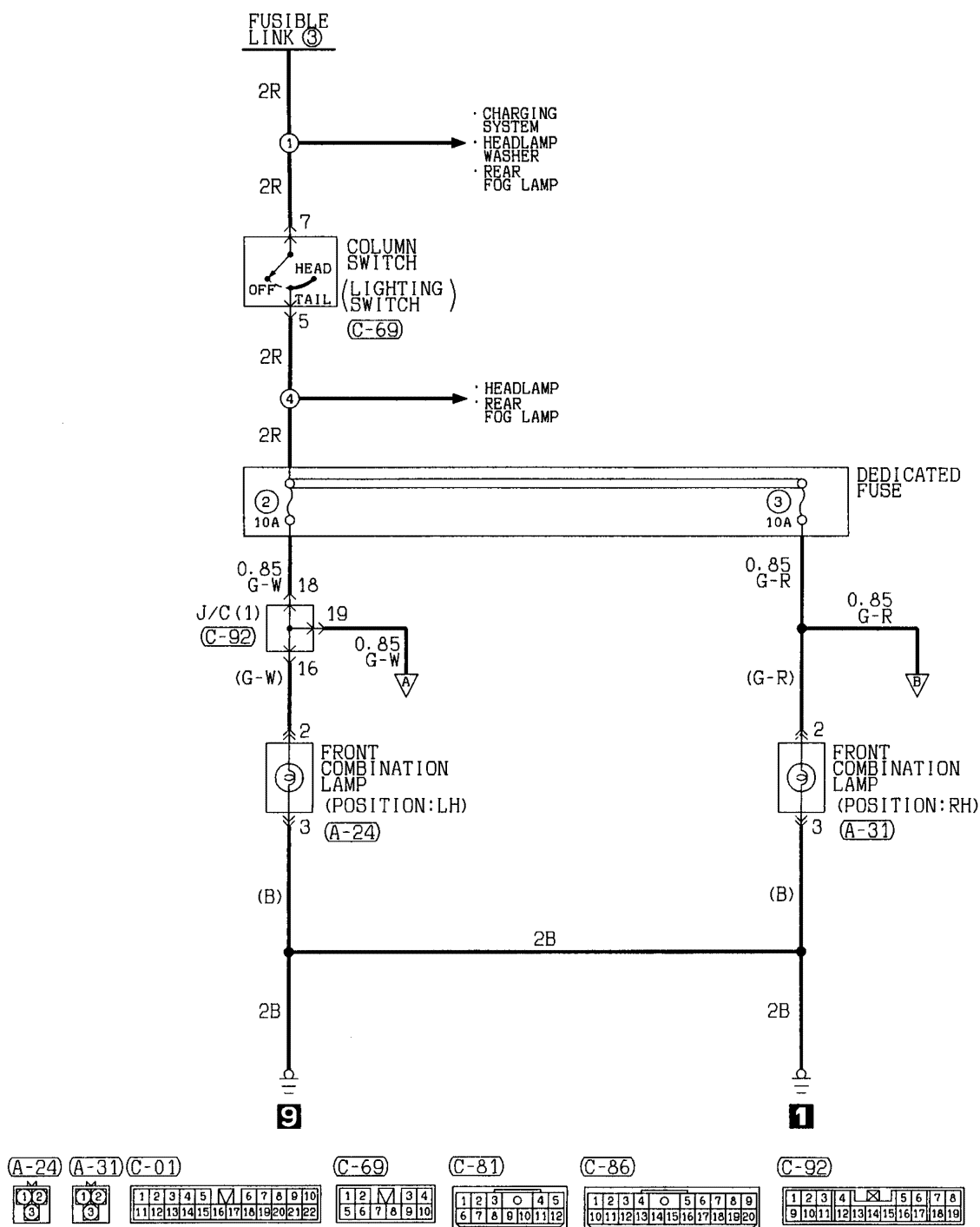
F-13

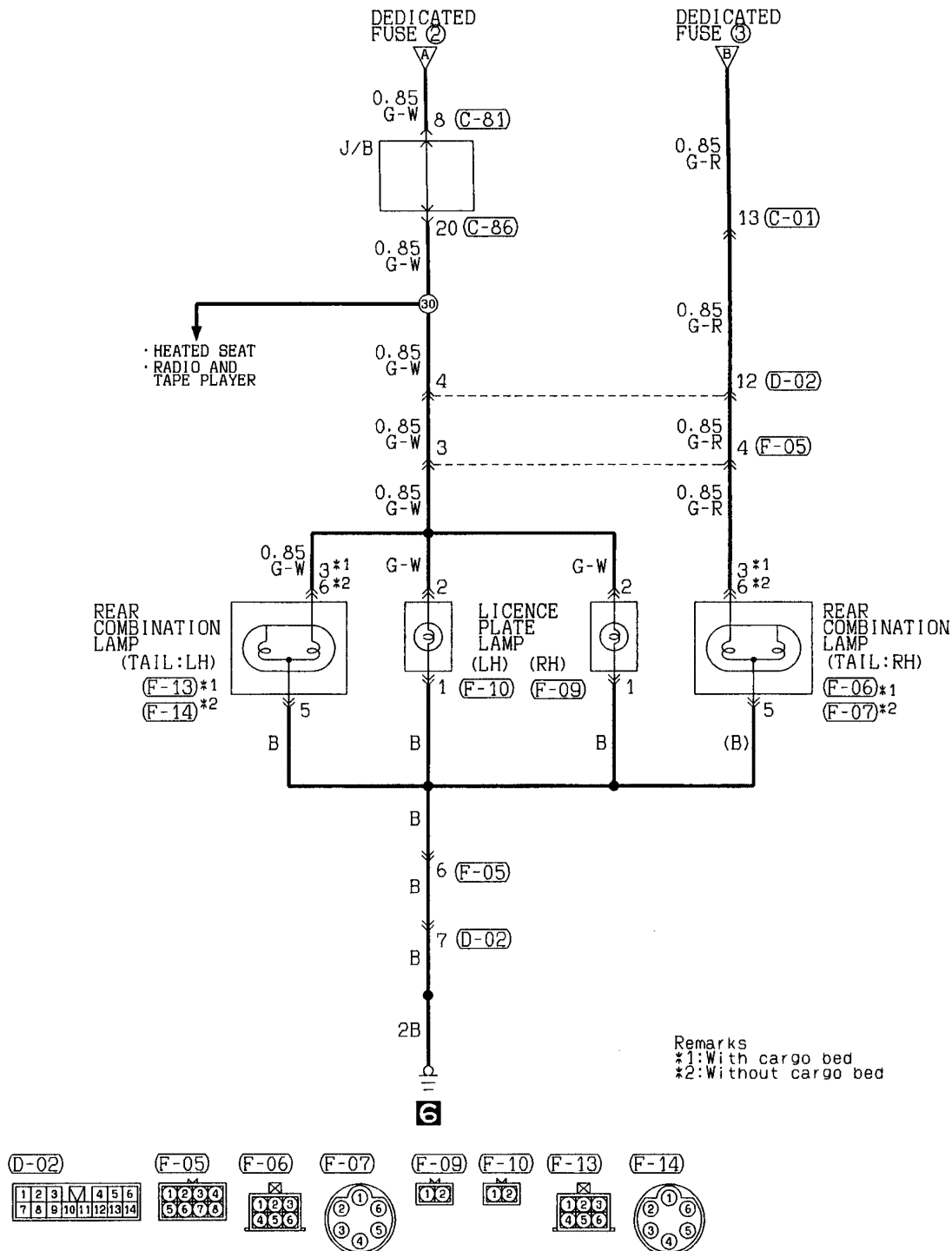
1	2	3
4	5	6

TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260165

R.H. drive vehicles <1997 Models>

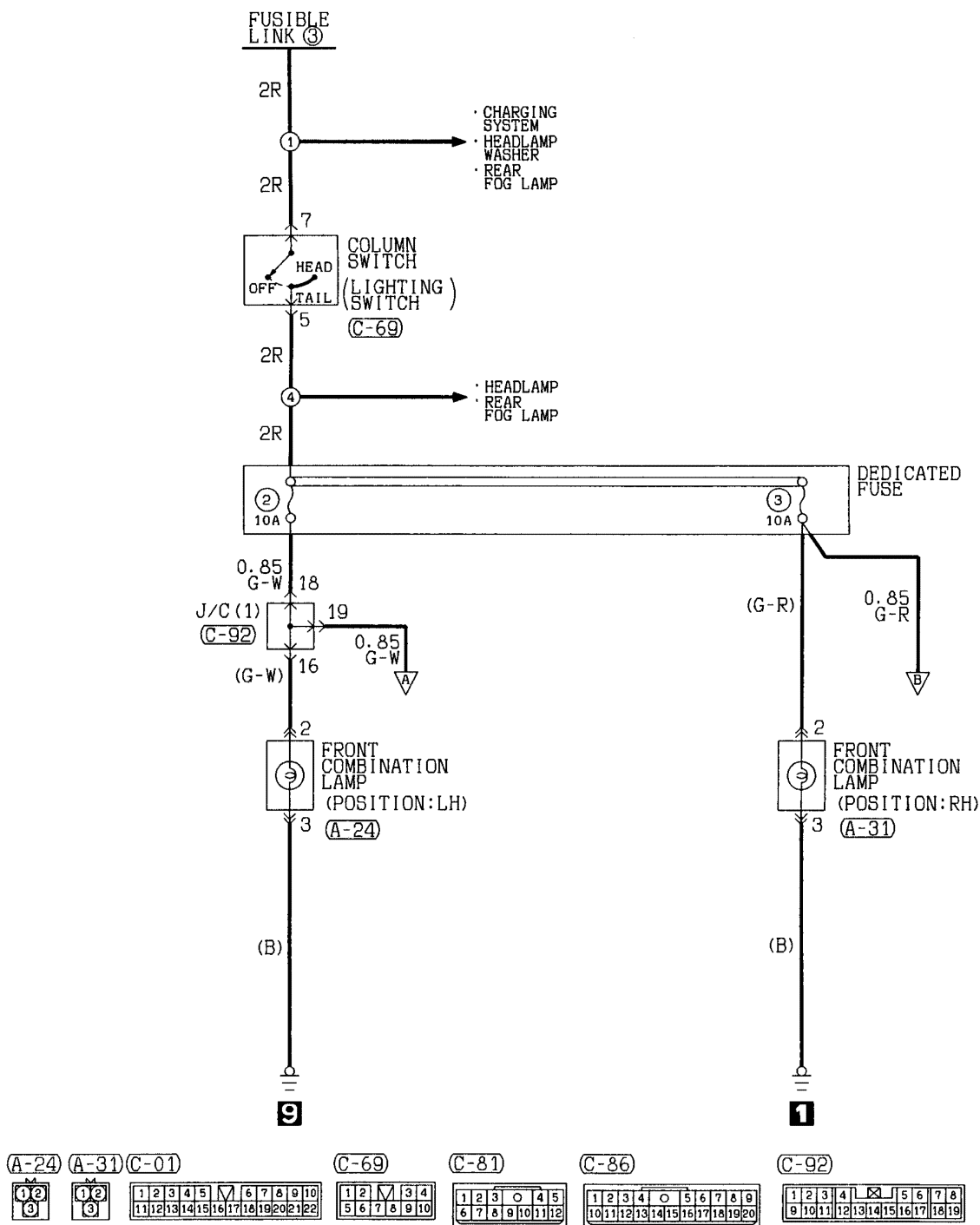


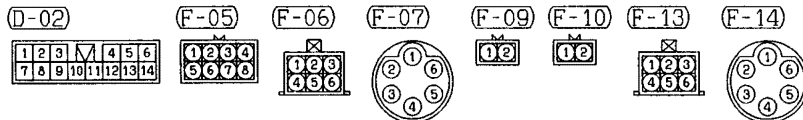
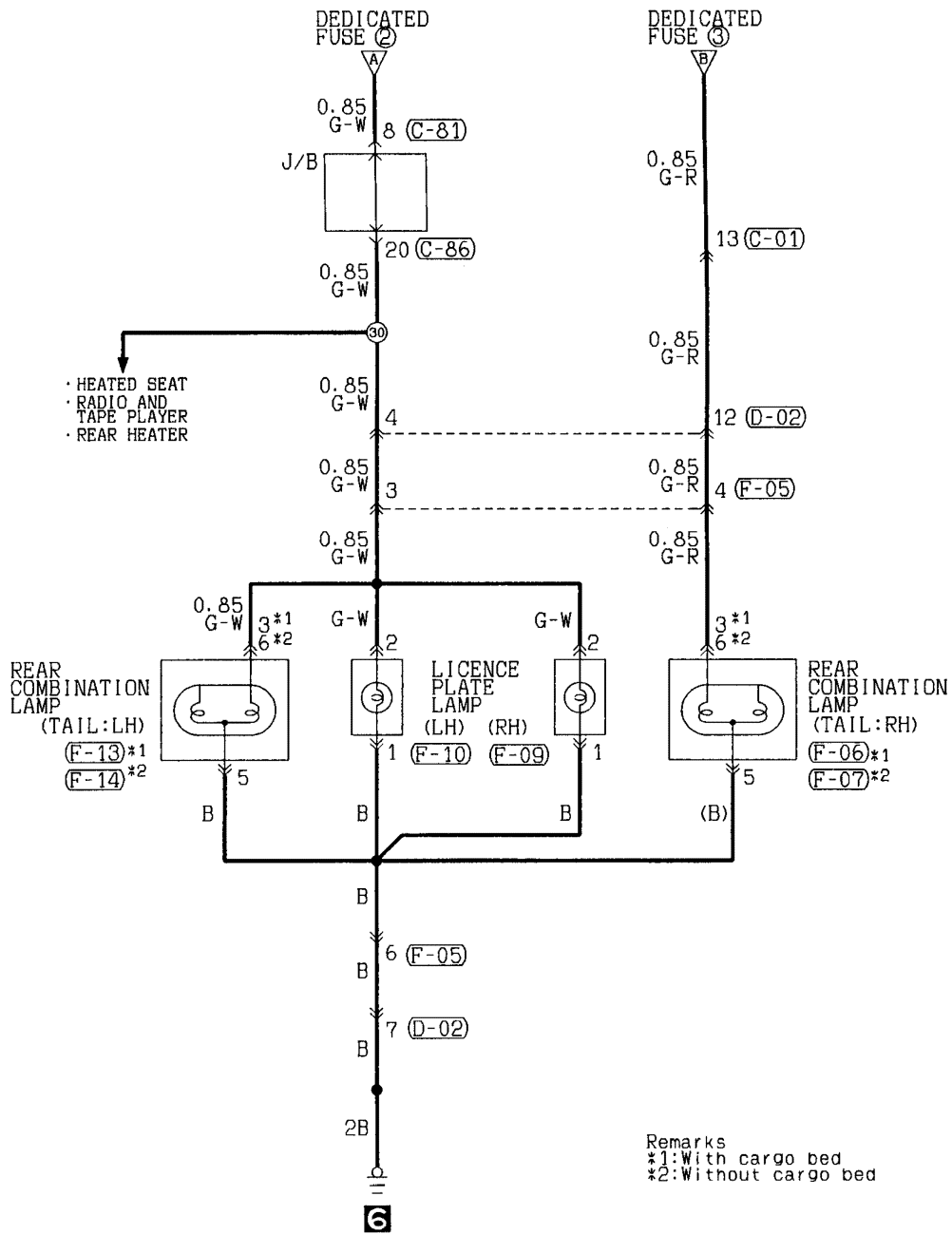


TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260325

R.H. drive vehicles <1998 Models>





TAIL LAMP, POSITION LAMP AND LICENCE PLATE (See P. 4-100, 102, 104, 106.)

90101260172

OPERATION

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

TROUBLESHOOTING HINTS

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

REAR FOG LAMP (See P. 4-110, 114, 118, 122.)

90101200105

OPERATION

Rear fog lamp relay activation requirements

<Vehicles without daytime running lamp>

ignition switch	Lighting switch	Rear fog lamp relay
-	"HEAD"	On

<Vehicles with daytime running lamp>

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

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

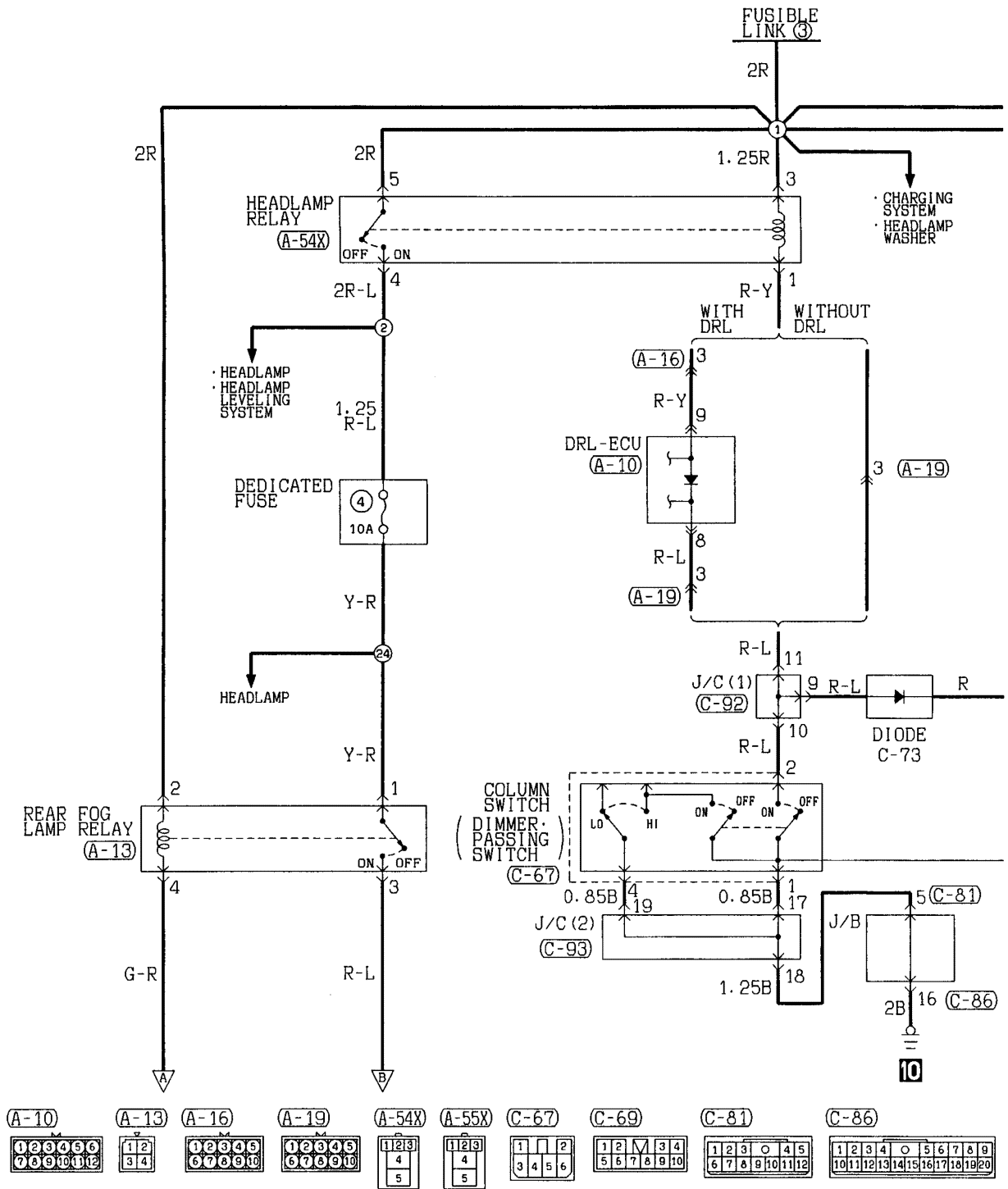
TROUBLESHOOTING HINTS

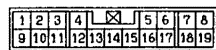
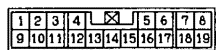
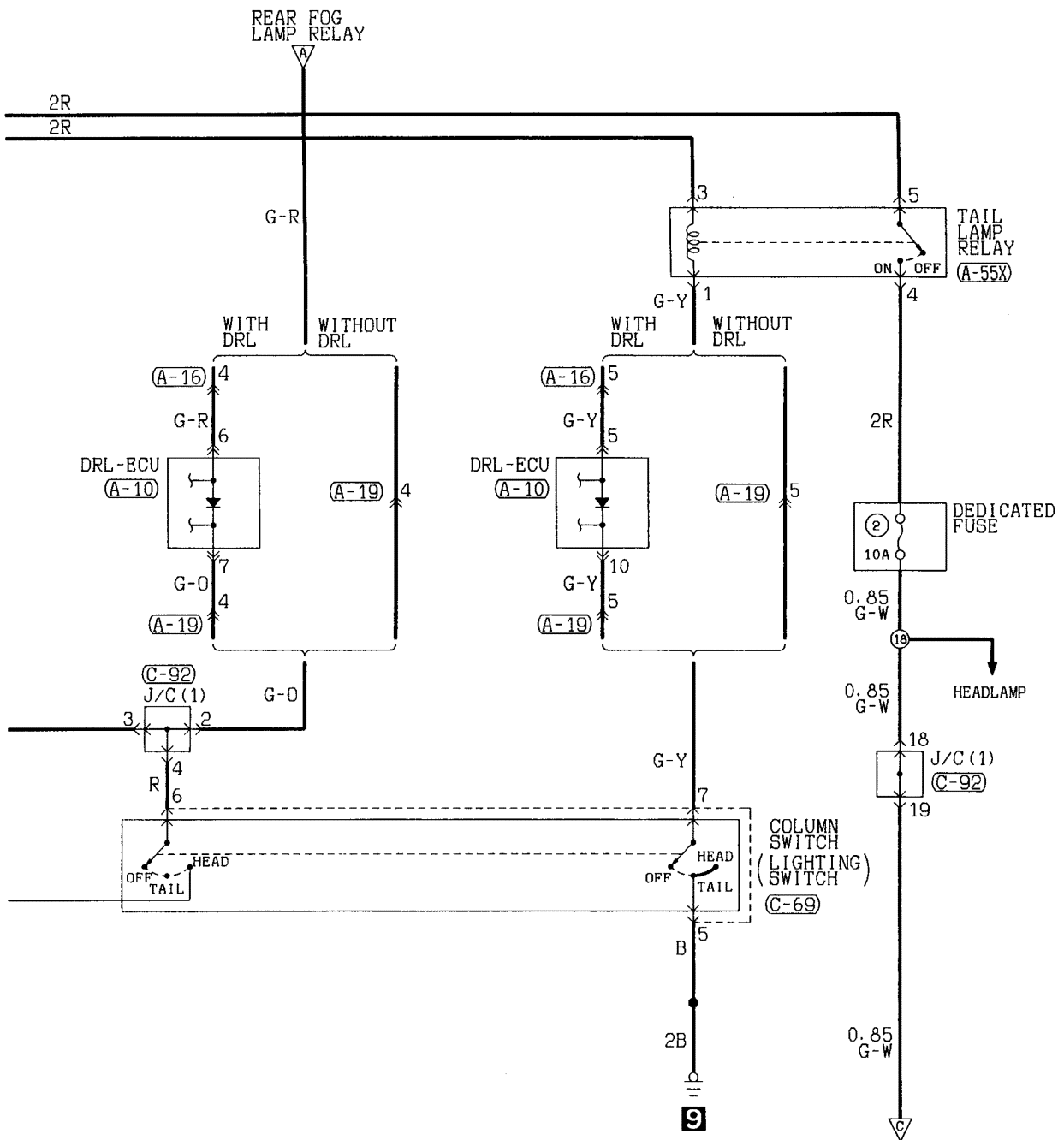
1. The rear fog lamp doesn't illuminate.
 - (1) Headlamp go on.
 - Check the rear fog lamp relay.
 - Check the rear fog lamp switch.
 - Check the dedicated fuse No. (4)
 - (2) Headlamps do not go on, either.
 - Check the lighting switch.
 - Check the fusible link No. (3).
2. The rear fog lamp at the one side doesn't illuminate.
 - Check the lamp bulb.

REAR FOG LAMP

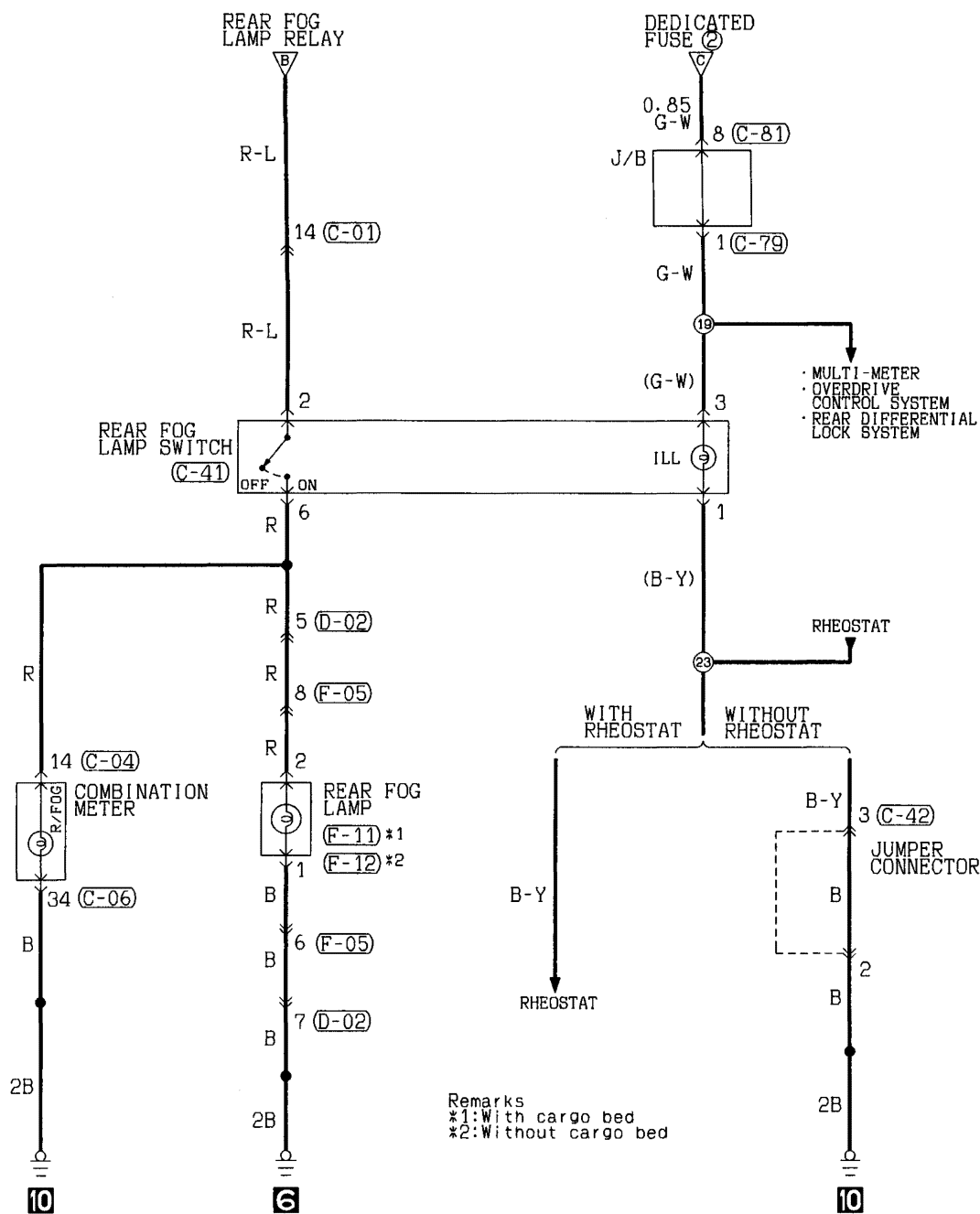
90101200112

L.H. drive vehicles <1997 Models>





REAR FOG LAMP <L.H. drive vehicles (1997 Models)> (CONTINUED)



(C-01)

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

(C-04)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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(C-06)

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

1	M	2	
3	4	5	6

(C-42)

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

(C-79)

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

(C-81)

1	2	3	○	4	5	
6	7	8	9	10	11	12

(D-02)

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

(F-05)

1	2	3	4
5	6	7	8

(F-11)

1	2
---	---

(F-12)

1	2
---	---

NOTES

90101200365

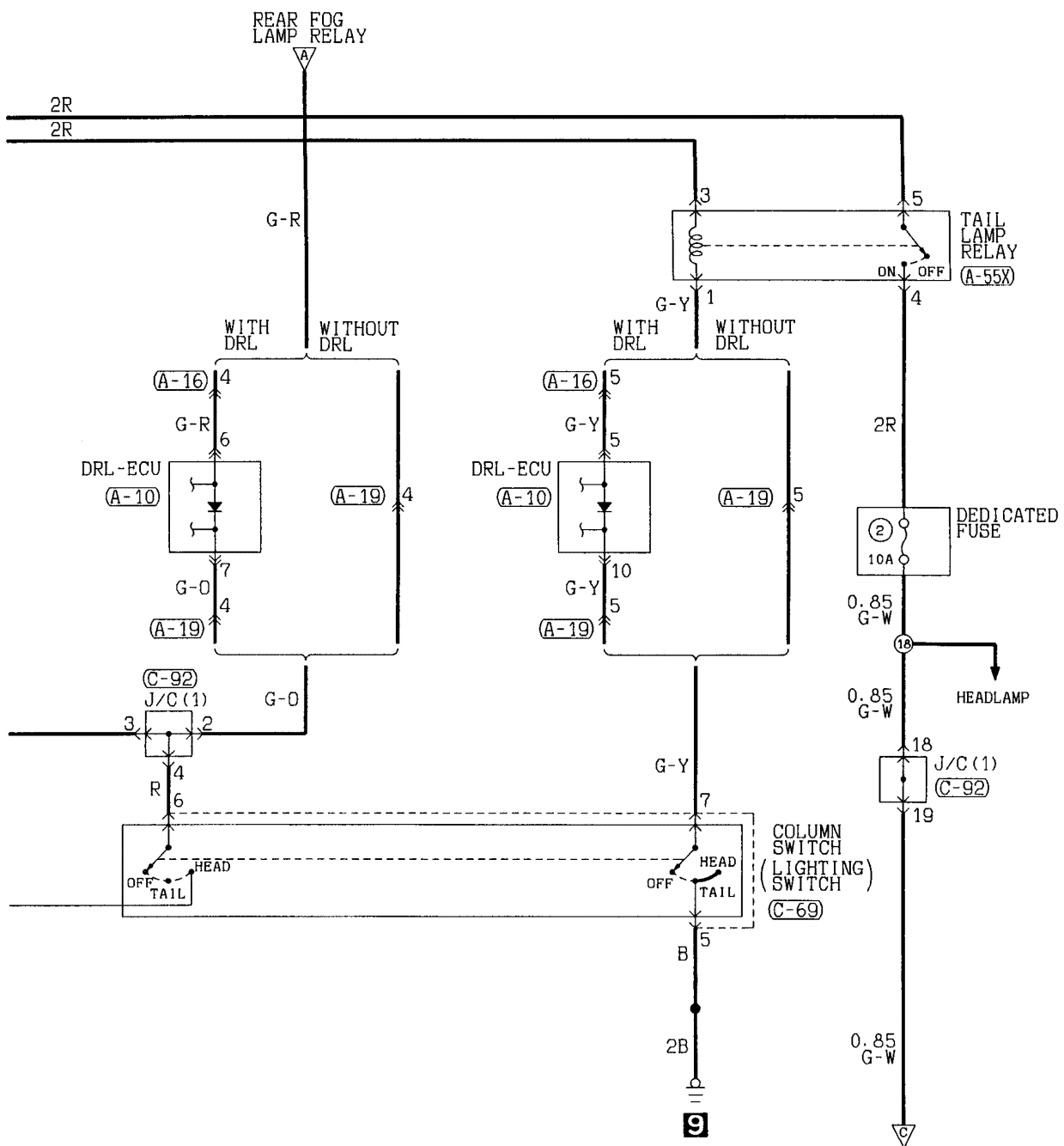
The diagram illustrates the electrical system for the right-hand side of the vehicle, including the headlamp relay, dedicated fuse, headlamp leveling system, DRL-ECU, column switch, and various relays and fuses. The components are connected to a 2R power source and ground (A and B).

Components and Connections:

- HEADLAMP RELAY (A-54X):** Controls the headlamp leveling system and headlamp. It has terminals 1, 2, 3, 4, and 5. Terminal 1 is connected to 2R. Terminal 2 is connected to 2R-L. Terminal 3 is connected to 1.25R. Terminal 4 is connected to 1.25R-L. Terminal 5 is connected to 2R.
- DEDICATED FUSE (4):** A 10A fuse connected to the 2R-L line.
- HEADLAMP LEVELING SYSTEM:** Connected to the 2R-L line.
- HEADLAMP:** Connected to the 2R-L line.
- DRL-ECU (A-10):** Controls the DRL (Daytime Running Lamp) system. It has terminals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. Terminal 1 is connected to 2R. Terminal 2 is connected to 2R-L. Terminal 3 is connected to 1.25R. Terminal 4 is connected to 1.25R-L. Terminal 5 is connected to 2R. Terminal 6 is connected to 2R-L. Terminal 7 is connected to 1.25R. Terminal 8 is connected to 1.25R-L. Terminal 9 is connected to 2R. Terminal 10 is connected to 2R-L. Terminal 11 is connected to 1.25R. Terminal 12 is connected to 1.25R-L. Terminal 13 is connected to 2R. Terminal 14 is connected to 2R-L. Terminal 15 is connected to 1.25R. Terminal 16 is connected to 1.25R-L. Terminal 17 is connected to 2R. Terminal 18 is connected to 2R-L. Terminal 19 is connected to 1.25R. Terminal 20 is connected to 1.25R-L.
- COLUMN SWITCH (C-67):** Controls the DRL system. It has terminals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. Terminal 1 is connected to 2R. Terminal 2 is connected to 2R-L. Terminal 3 is connected to 1.25R. Terminal 4 is connected to 1.25R-L. Terminal 5 is connected to 2R. Terminal 6 is connected to 2R-L. Terminal 7 is connected to 1.25R. Terminal 8 is connected to 1.25R-L. Terminal 9 is connected to 2R. Terminal 10 is connected to 2R-L. Terminal 11 is connected to 1.25R. Terminal 12 is connected to 1.25R-L. Terminal 13 is connected to 2R. Terminal 14 is connected to 2R-L. Terminal 15 is connected to 1.25R. Terminal 16 is connected to 1.25R-L. Terminal 17 is connected to 2R. Terminal 18 is connected to 2R-L. Terminal 19 is connected to 1.25R. Terminal 20 is connected to 1.25R-L.
- REAR FOG RELAY (A-13):** Controls the rear fog lamp. It has terminals 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. Terminal 1 is connected to 2R. Terminal 2 is connected to 2R-L. Terminal 3 is connected to 1.25R. Terminal 4 is connected to 1.25R-L. Terminal 5 is connected to 2R. Terminal 6 is connected to 2R-L. Terminal 7 is connected to 1.25R. Terminal 8 is connected to 1.25R-L. Terminal 9 is connected to 2R. Terminal 10 is connected to 2R-L. Terminal 11 is connected to 1.25R. Terminal 12 is connected to 1.25R-L. Terminal 13 is connected to 2R. Terminal 14 is connected to 2R-L. Terminal 15 is connected to 1.25R. Terminal 16 is connected to 1.25R-L. Terminal 17 is connected to 2R. Terminal 18 is connected to 2R-L. Terminal 19 is connected to 1.25R. Terminal 20 is connected to 1.25R-L.
- DIODE (C-73):** Connected to the 2R-L line.
- FUSIBLE LINK (3):** Connected to the 2R line.
- CHARGING SYSTEM:** Connected to the 2R line.
- HEADLAMP WASHER:** Connected to the 2R line.

Legend:

- (A-10) 1 2 3 4 5 6 7 8 9 10 11 12
- (A-13) 1 2 3 4 5 6 7 8 9 10 11 12
- (A-16) 1 2 3 4 5 6 7 8 9 10 11 12
- (A-19) 1 2 3 4 5 6 7 8 9 10 11 12
- (A-54X) 1 2 3 4 5 6 7 8 9 10 11 12
- (A-55X) 1 2 3 4 5 6 7 8 9 10 11 12
- (C-67) 1 2 3 4 5 6 7 8 9 10 11 12
- (C-69) 1 2 3 4 5 6 7 8 9 10 11 12
- (C-81) 1 2 3 4 5 6 7 8 9 10 11 12
- (C-86) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



(C-92)

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

(C-93)

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

REAR FOG LAMP RELAY

REAR FOG LAMP SWITCH (C-41)

COMBINATION METER

REAR FOG LAMP

DEDICATED FUSE (2)

J/B

MULT-METER

OVERDRIVE CONTROL SYSTEM

REAR DIFFERENTIAL LOCK SYSTEM

RHEOSTAT

JUMPER CONNECTOR

Remarks

*1: With cargo bed

*2: Without cargo bed

1	2	3	○	4	5	6	7
8	9	10	11	12	13	14	15

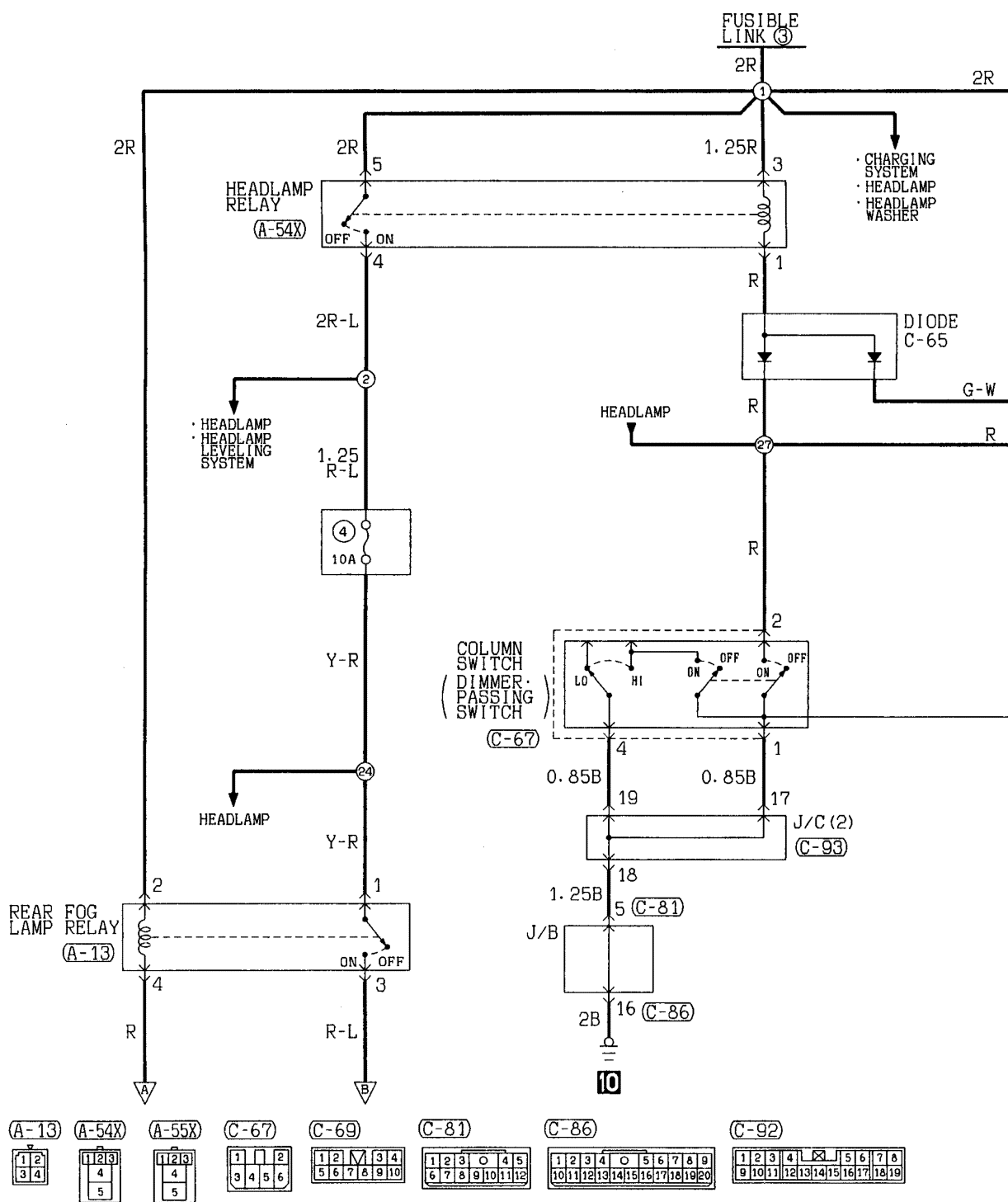


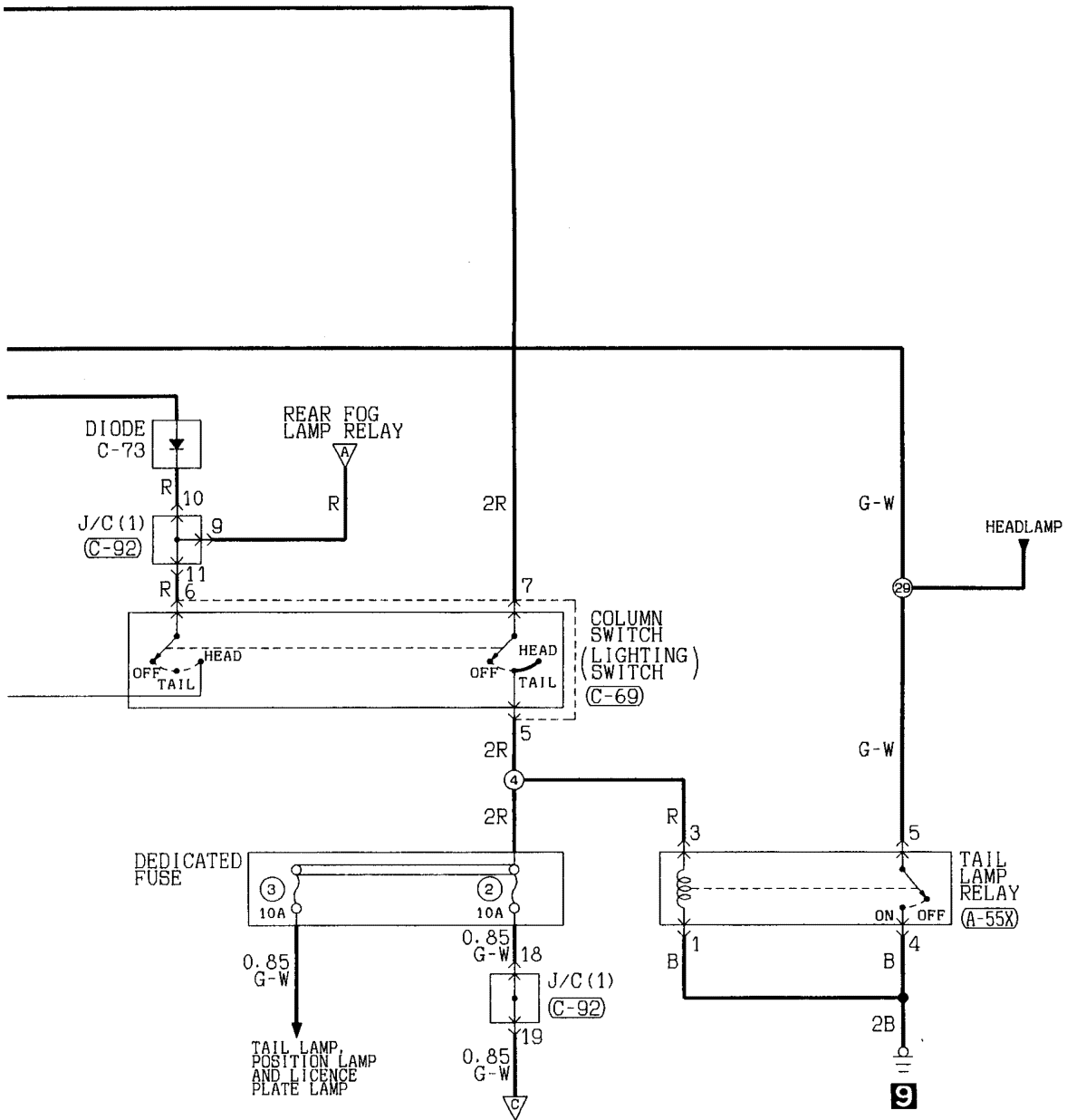
NOTES

REAR FOG LAMP

90101200129

R.H. drive vehicles <1997 Models>

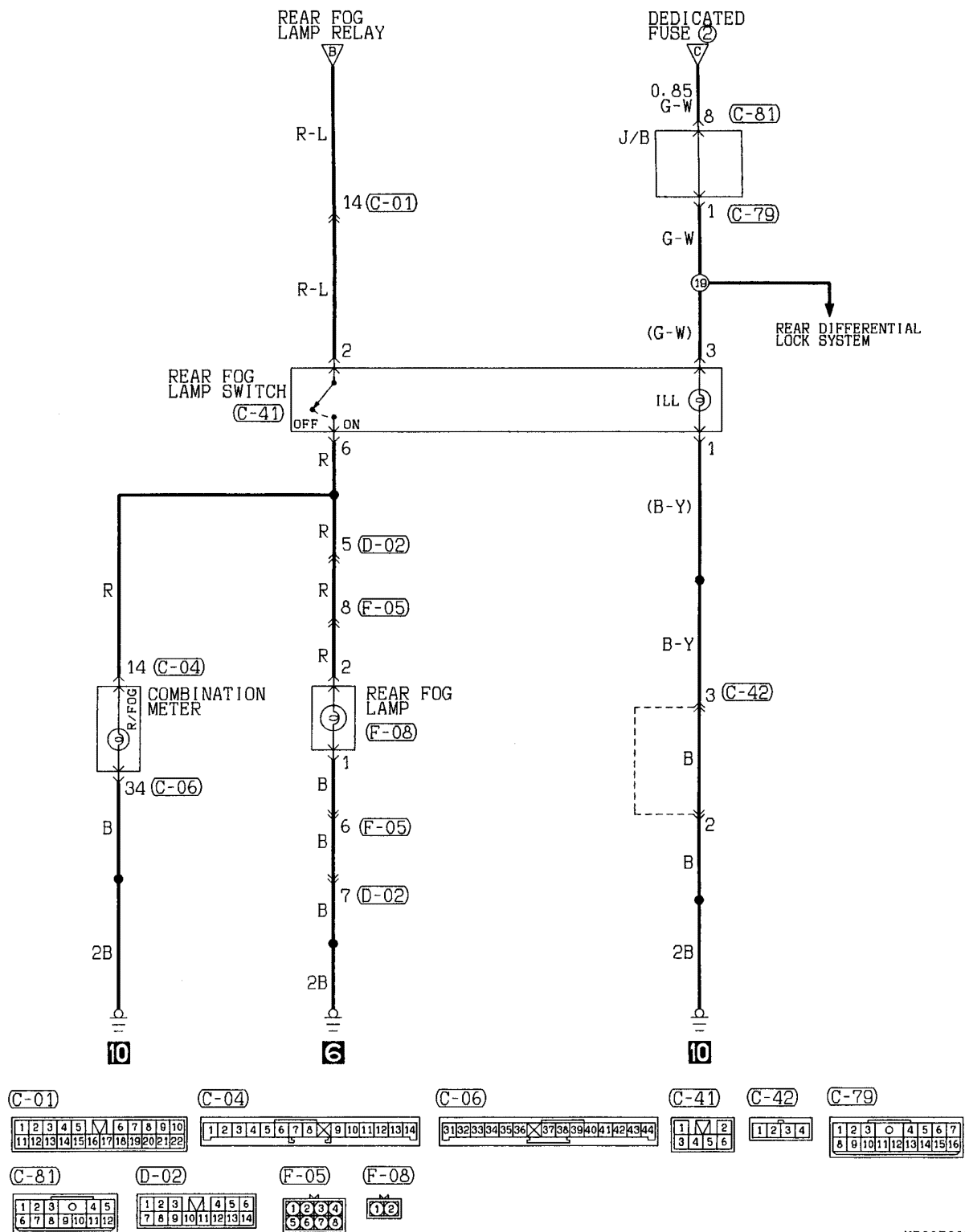




(C-93)

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

REAR FOG LAMP <R.H. drive vehicles (1997 Models)> (CONTINUED)

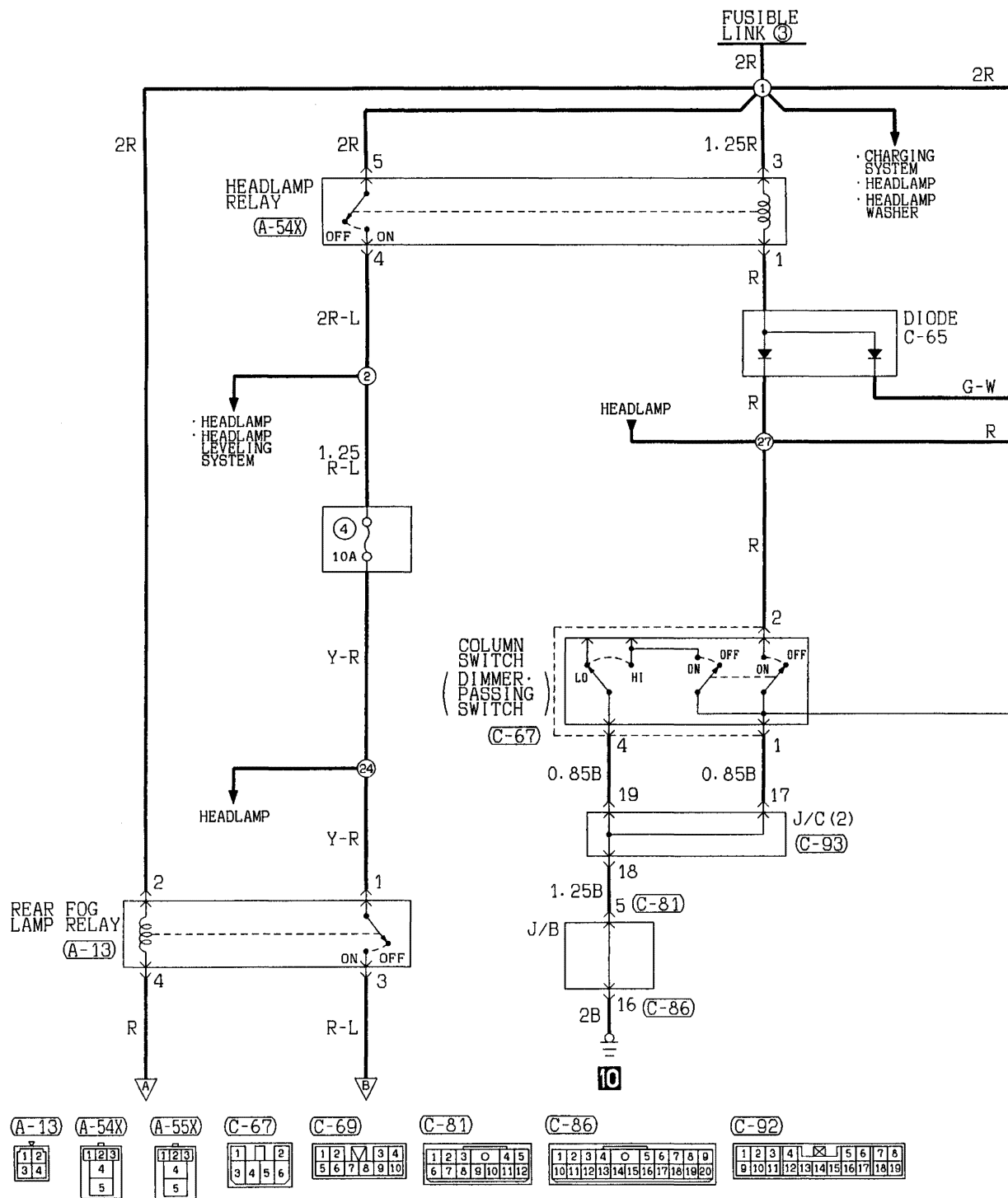


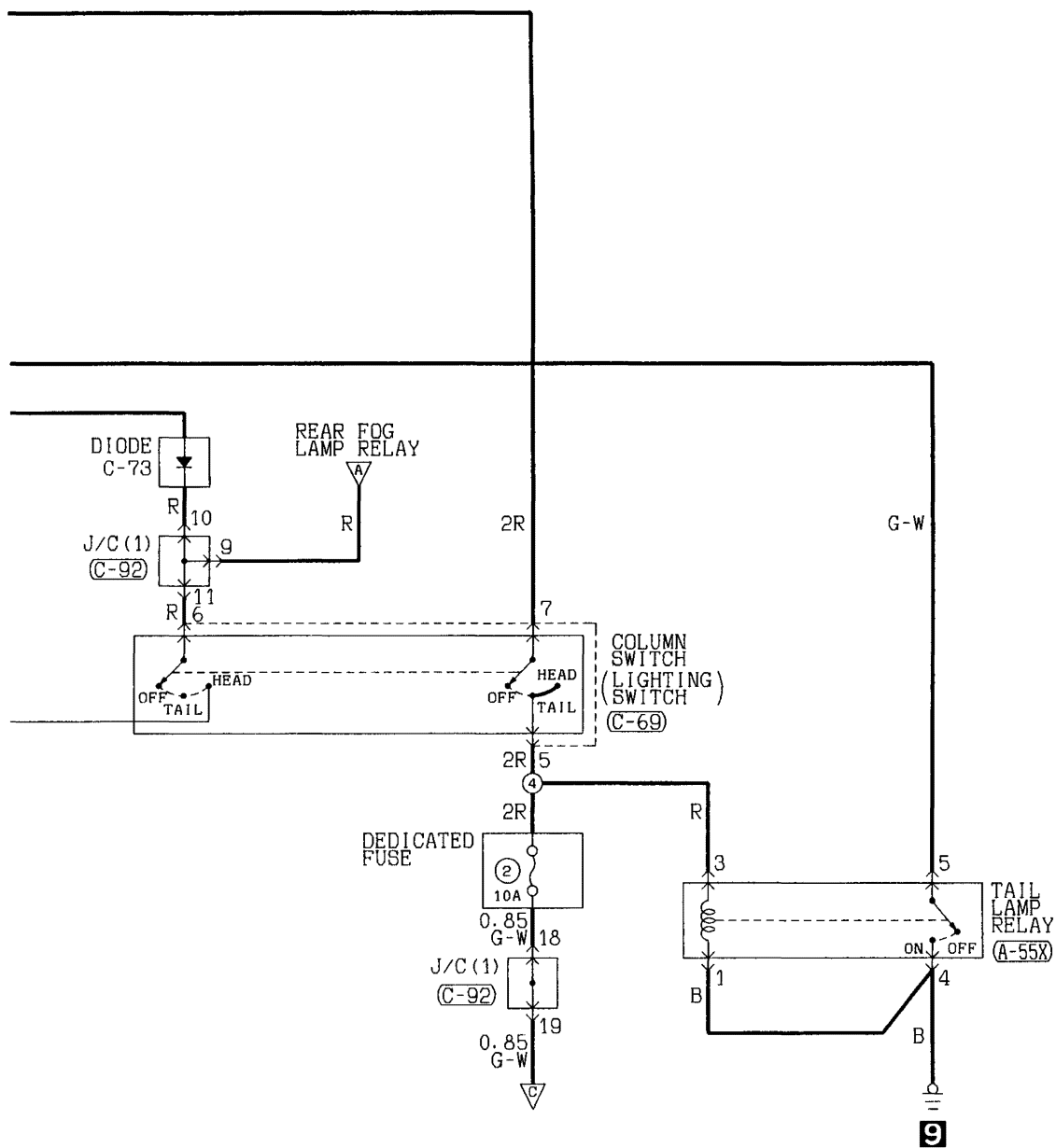
NOTES

REAR FOG LAMP

90101200372

R.H. drive vehicles <1998 Models>

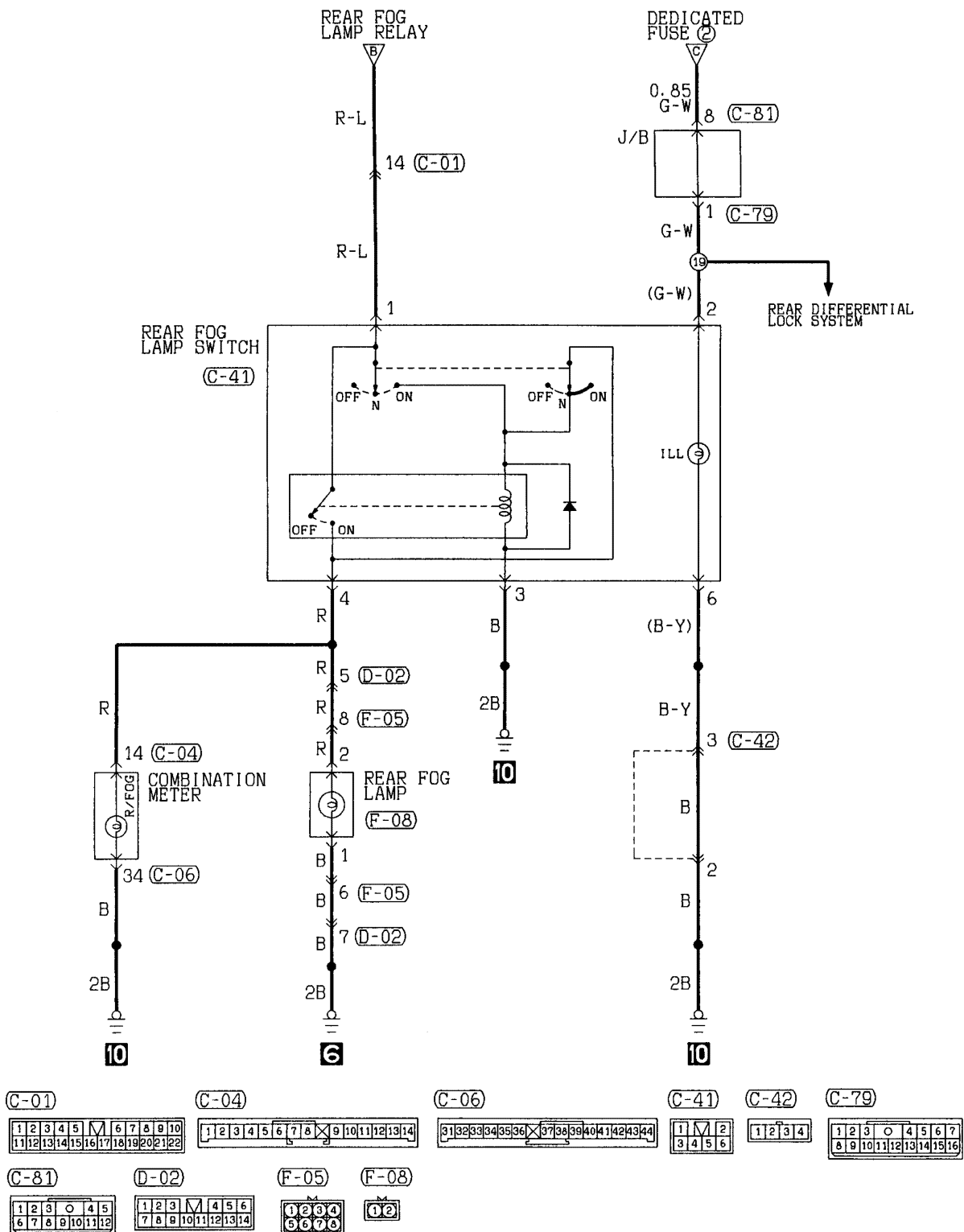




(C-93)

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

REAR FOG LAMP <R.H. drive vehicles (1998 Models)> (CONTINUED)



HEADLAMP LEVELING SYSTEM (See P. 4-126, 128.)

90101250124

OPERATION**1. Headlamps angle-downward operation**

- When the lighting switch is set to the "HEAD" position, the headlamp relay is switched ON, and battery voltage is applied, to the headlamp leveling unit.
- When the headlamp leveling switch setting is changed from "0" to "1", the positive (+) input terminal voltage of the comparator OP AMP 1 (located within the headlamp leveling unit) becomes greater than the negative (-) input terminal standard reference voltage value, and OP AMP 1 outputs HIGH signals to OP AMP 2 and OP AMP 3.
- As a result of these HIGH signals, OP AMP 2 outputs LOW signals and OP AMP 3 outputs HIGH signals to the motor-control IC.
- when this happens, the motor-control IC is switched ON, current flows to the motor, and the motor rotates in the forward direction.
- The rotation of the motor, after passing through the gears and the output shaft, causes the headlamp reflectors to move to a downward angle, thus changing the angle of headlamp illumination.
- At this time, the position-detection sliding resistance is activated in the direction of the low resistance value, after which the OP AMP 1 negative (-) input terminal voltage value and positive (+) input terminal voltage value become equivalent, and OP AMP 2 and OP AMP 3 both output HIGH signals.
- When this happen, the motor-control IC is switched OFF and the motor stops.

NOTE

- (1) The some operation occurs if the headlamp leveling switch is set to another positon.
- (2) The input open protection circuit functions to stop the operation of the motor if there is an abnormal condition, such as damaged or disconnected wiring within the headlamp leveling unit or of the wiring herness.

2. Headlamps angle-upward operation

- The headlamp angle-upward operation is the opposite logic of the downward operation, the motor operates in the reverse direction and then stops.

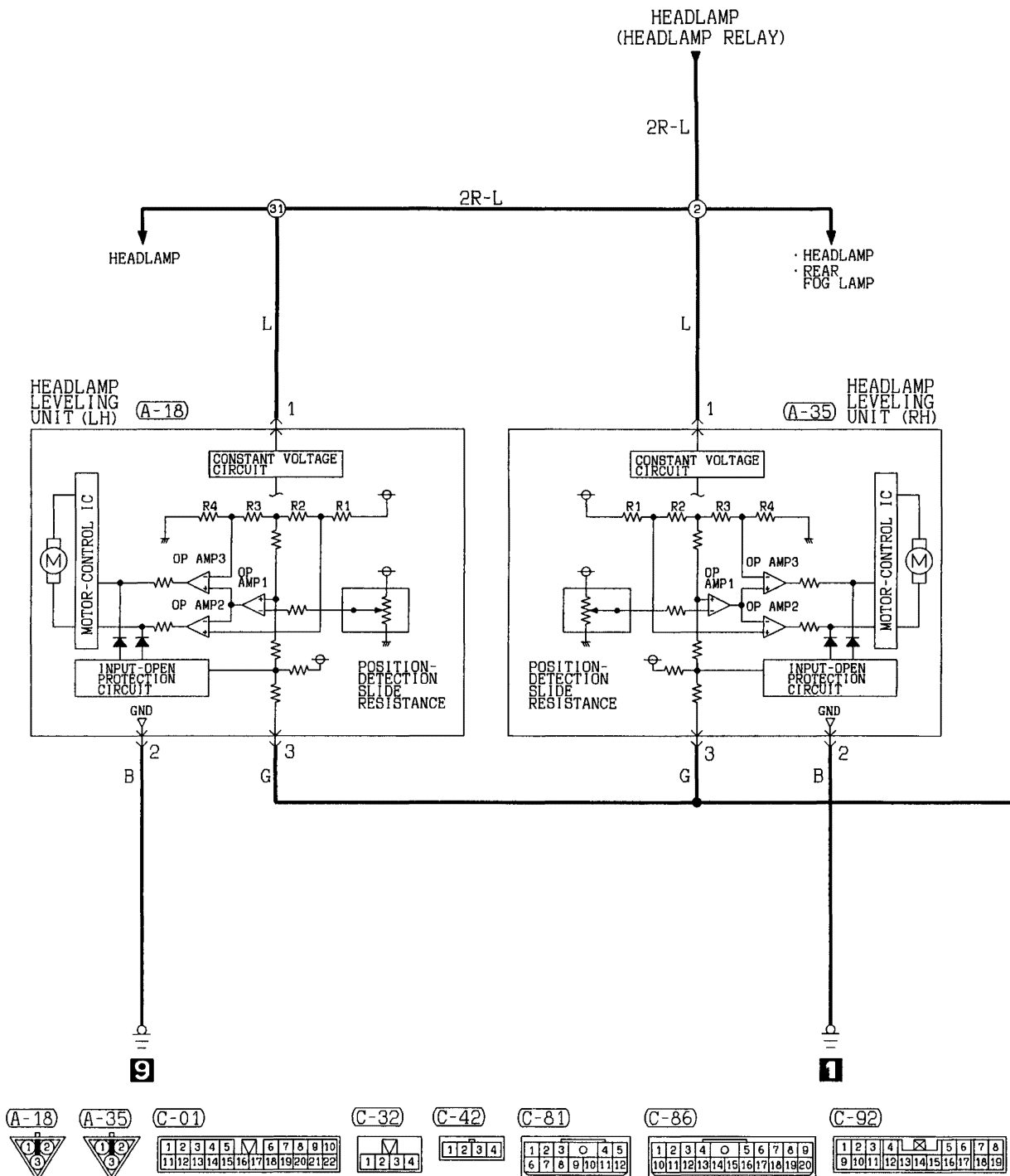
TROUBLESHOOTING HINTS

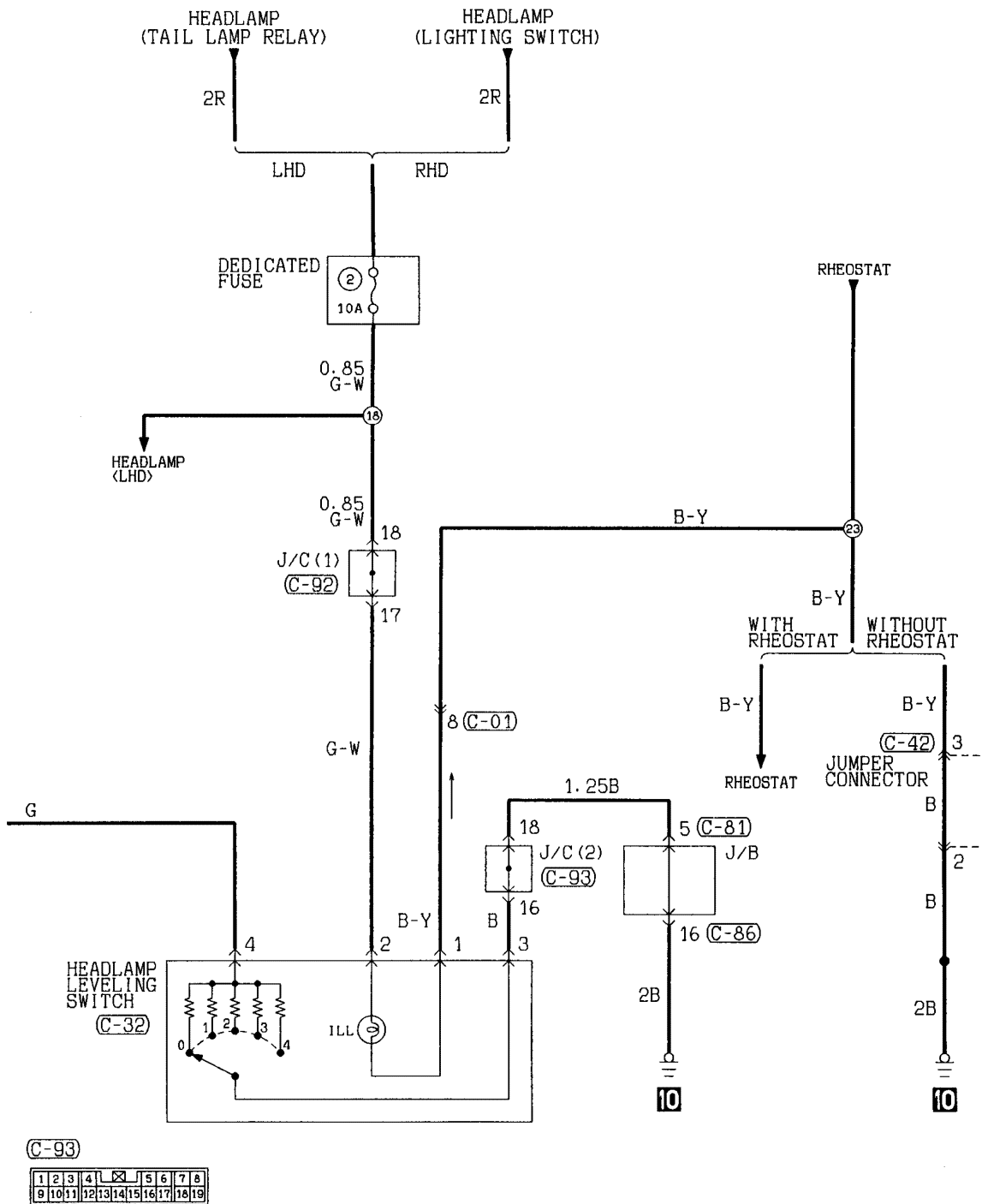
1. Absolutely no change of the headlamp angle
 - Check the headlamp leveling switch.
 - Check the headlamp leveling unit.
2. There is one setting of the headlamp leveling switch at which the headlamp angle does not change.
 - Check the headlamp leveling switch.

HEADLAMP LEVELING SYSTEM

90101250131

1997 Models

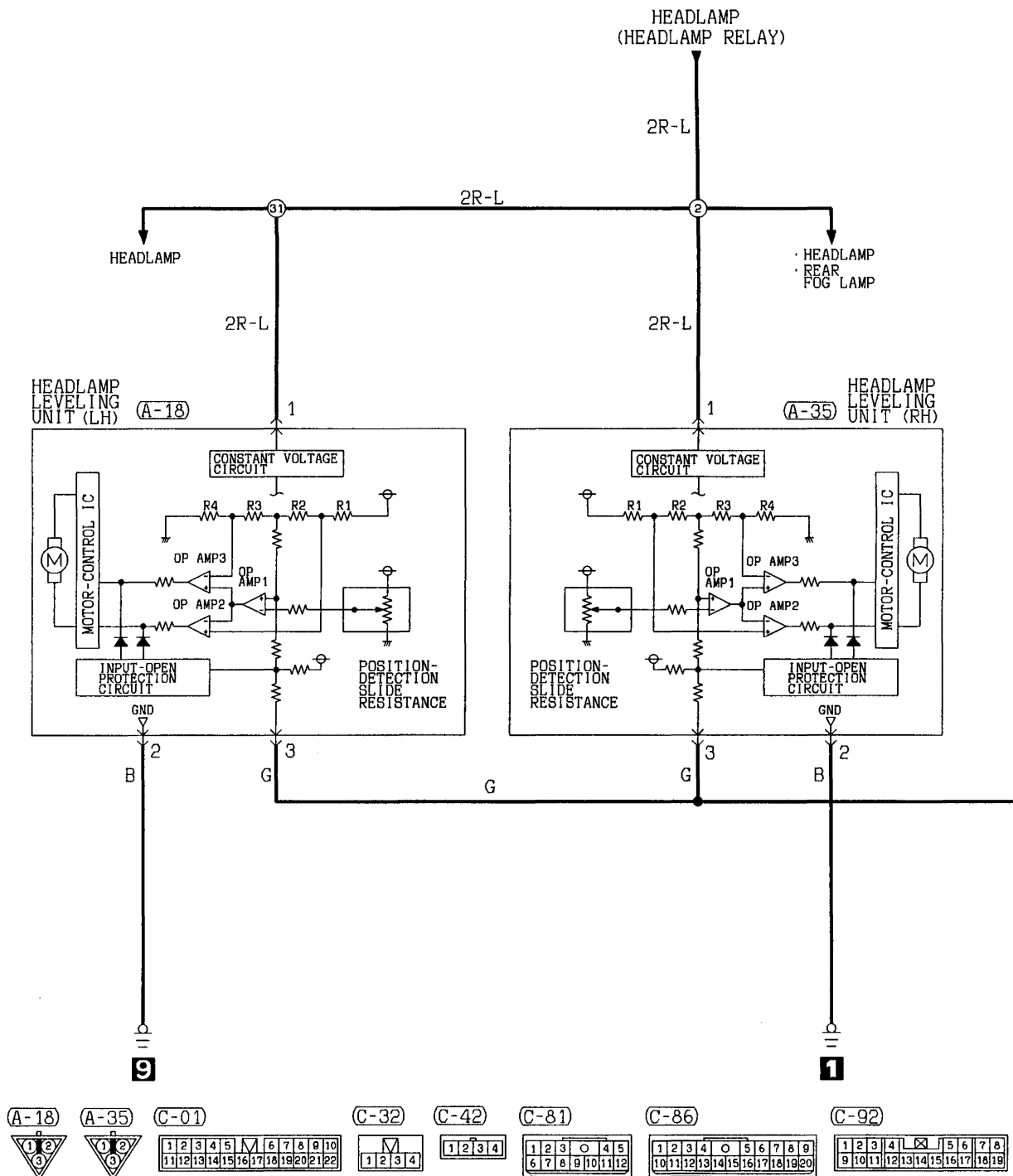


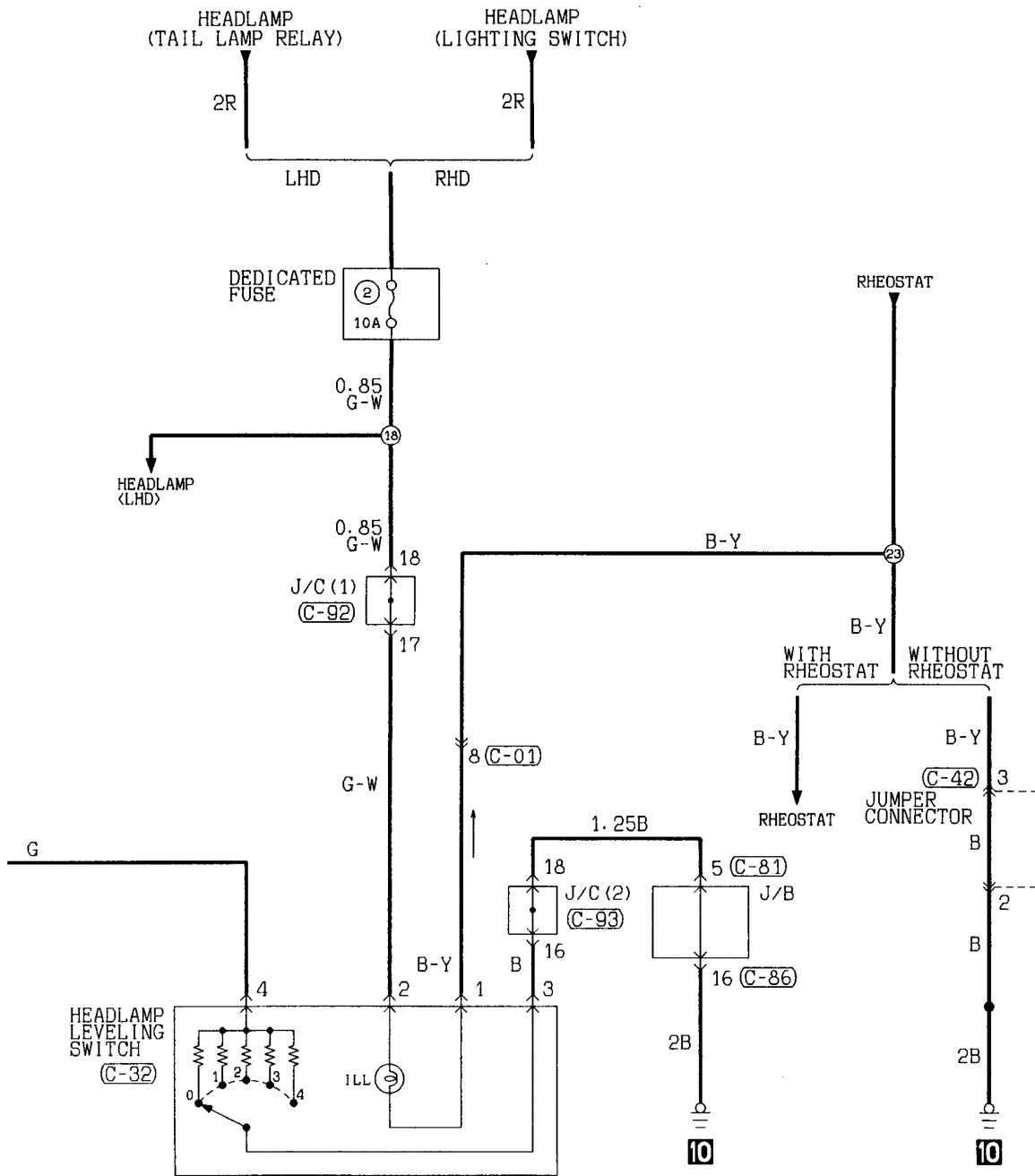


HEADLAMP LEVELING SYSTEM

90101250223

1998 Models





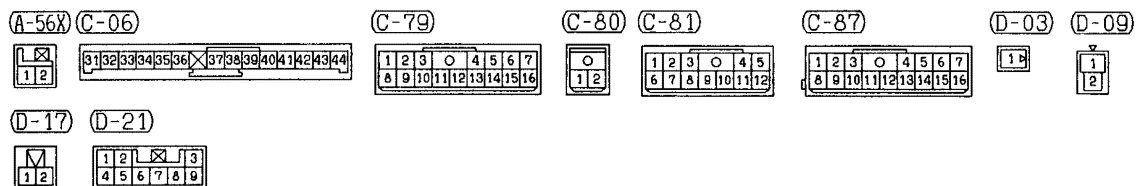
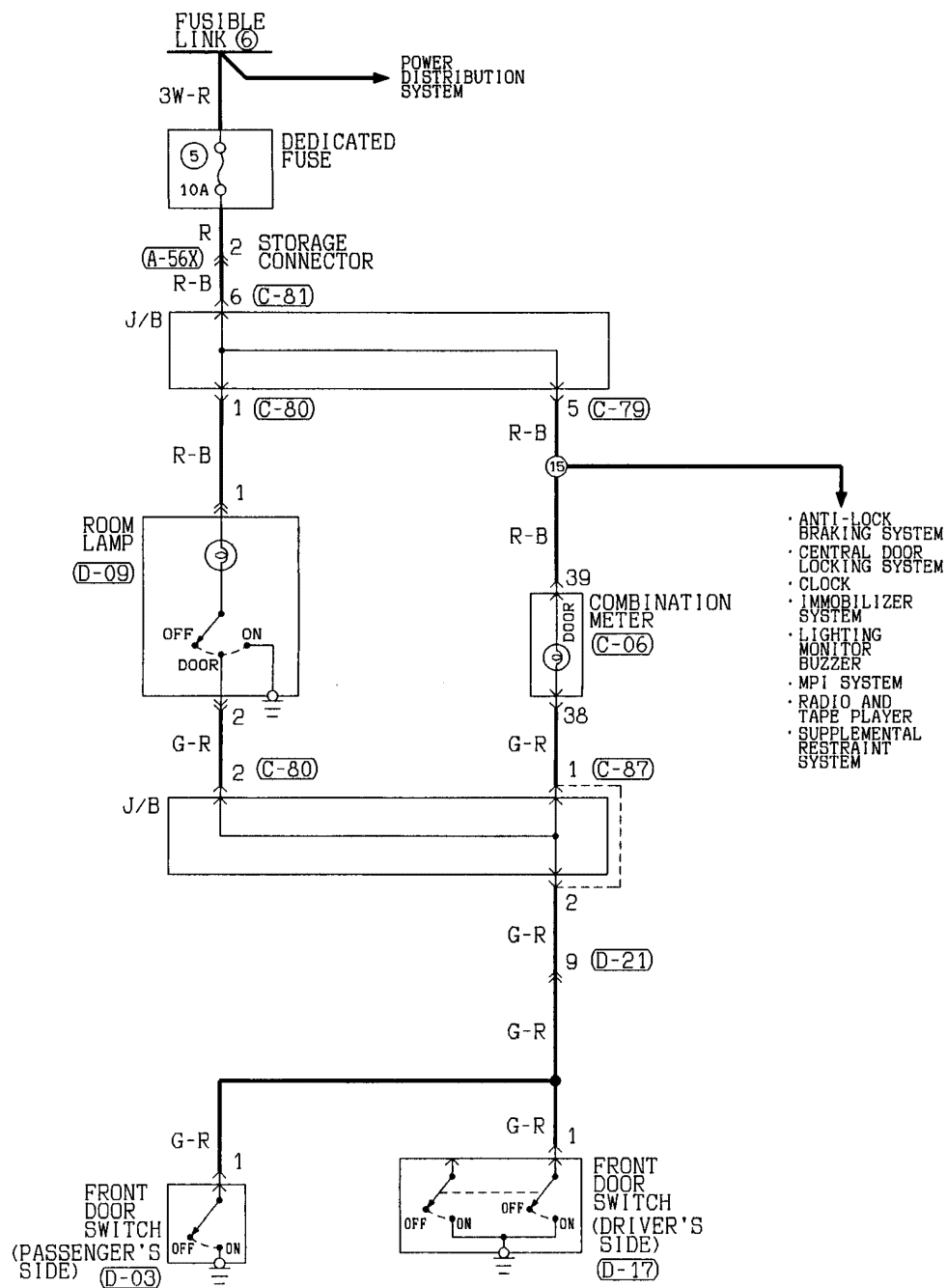
(C-93)

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

ROOM LAMP

90100210109

Except double cab



90100210116

ROOM LAMP (See P. 4-130, 131.)

90100210123

OPERATION

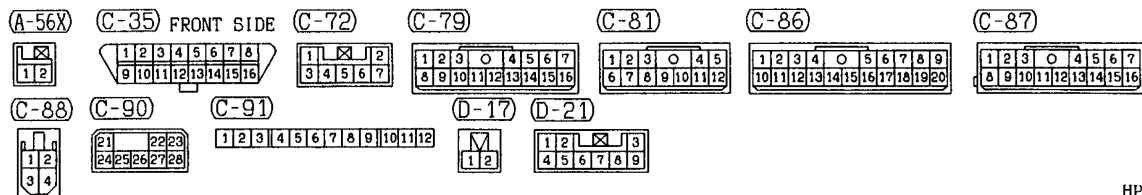
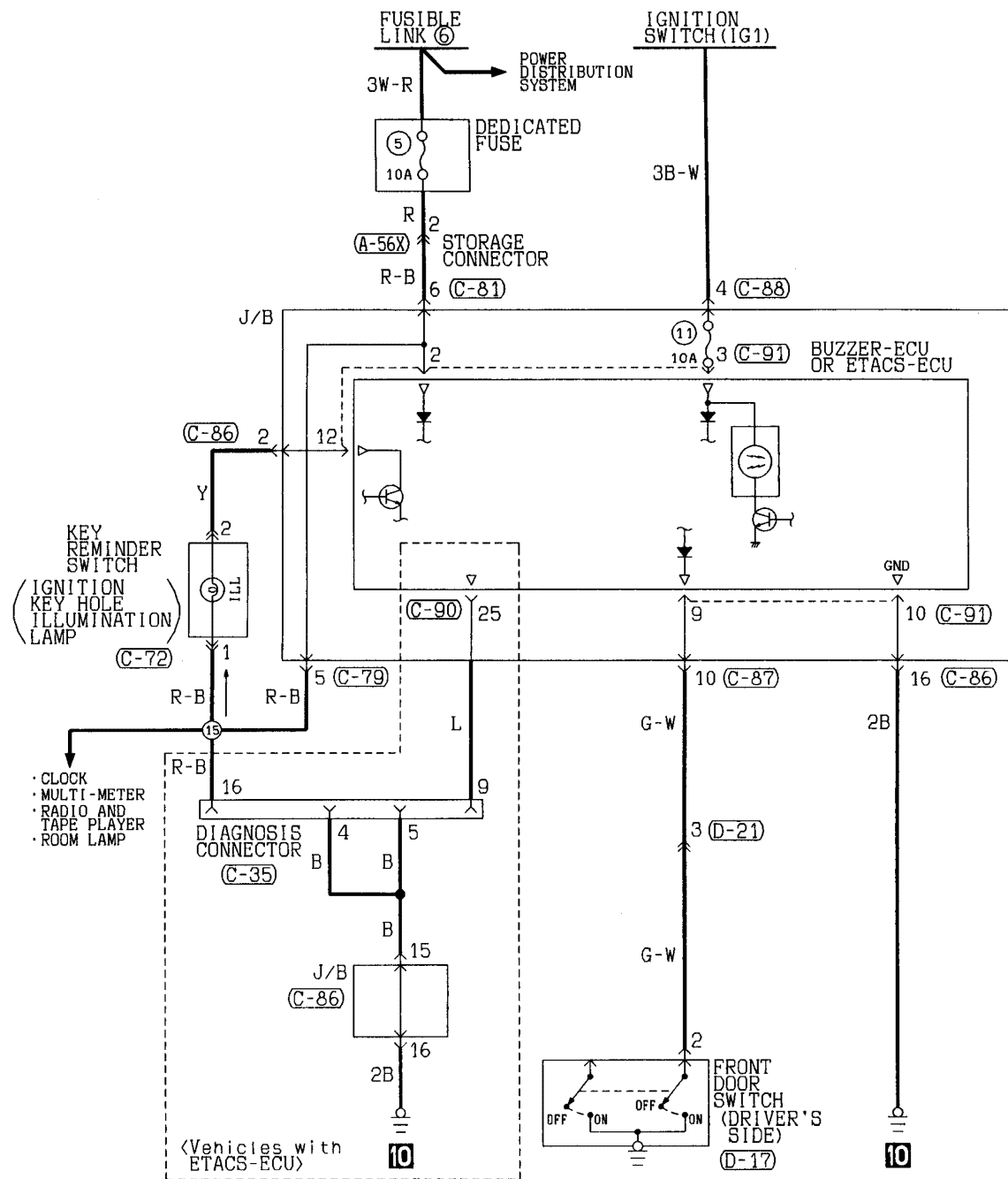
- Placing the room lamp switch in the ON position causes the room lamp to illuminate at all times.
- Opening any one of the doors with the room lamp switch in the DOOR position causes the room lamp to illuminate.
- Closing all doors causes the room lamp to switch off.

TROUBLESHOOTING HINTS

1. Room lamp does not illuminate.
 - (1) Clock is not operating, either.
 - Check dedicated fuse No. (5).
 - (2) Room lamp does not illuminate 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 illuminate when a door is opened with the room lamp switch in the DOOR position.
 - Check door switch (of the suspected door).

IGNITION KEY CYLINDER ILLUMINATION LAMP

90100260135

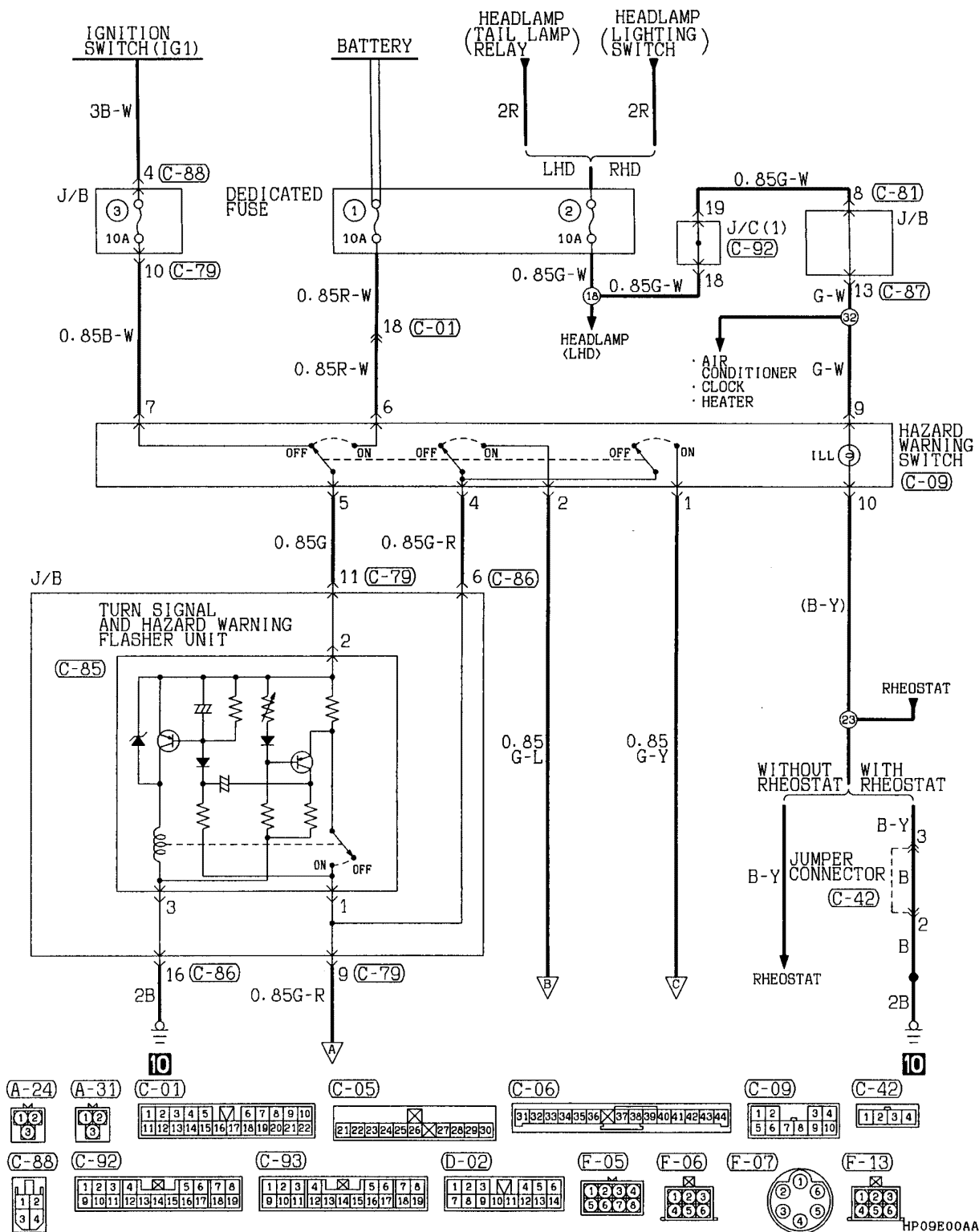


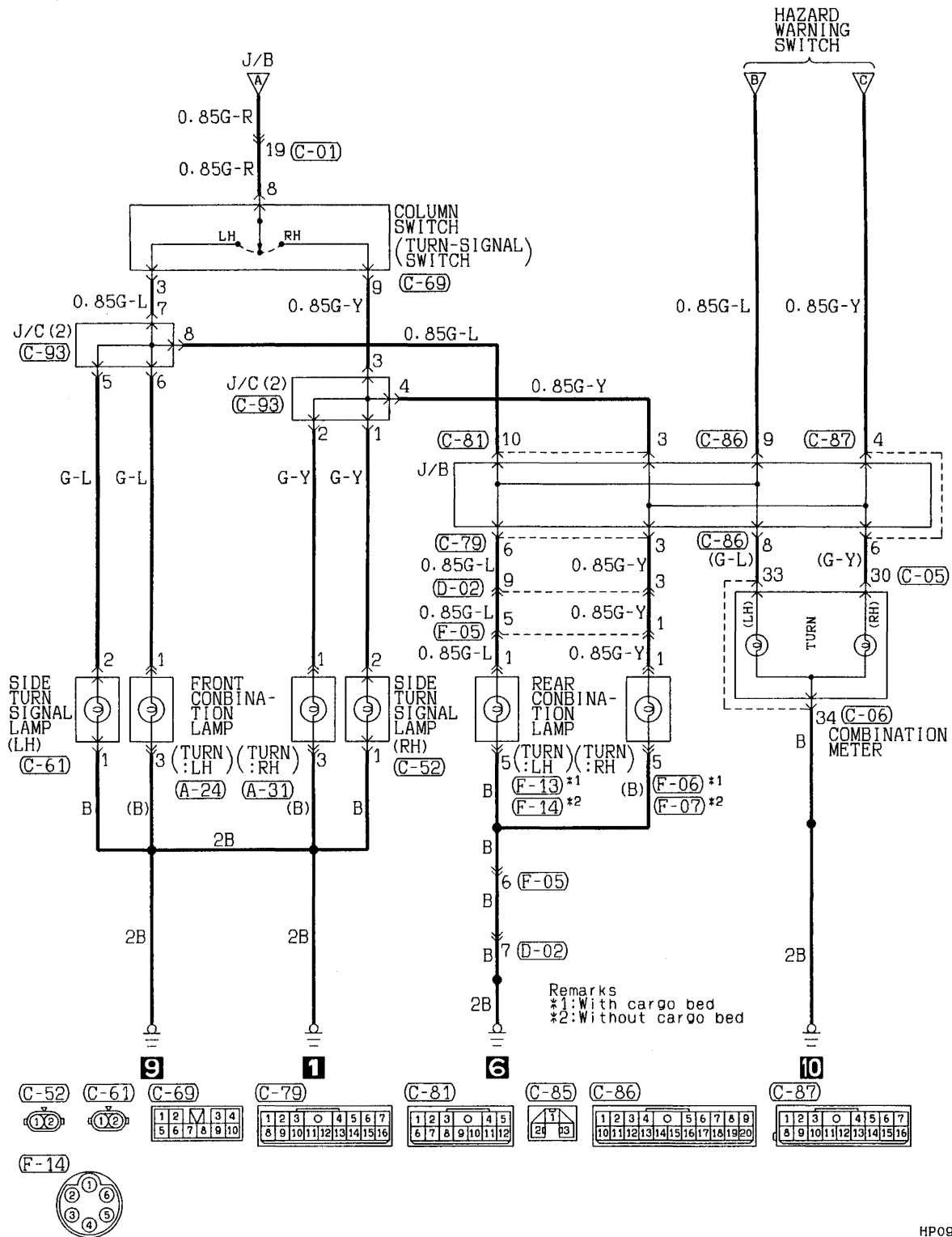
HP08E10AA

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290165

1997 Models

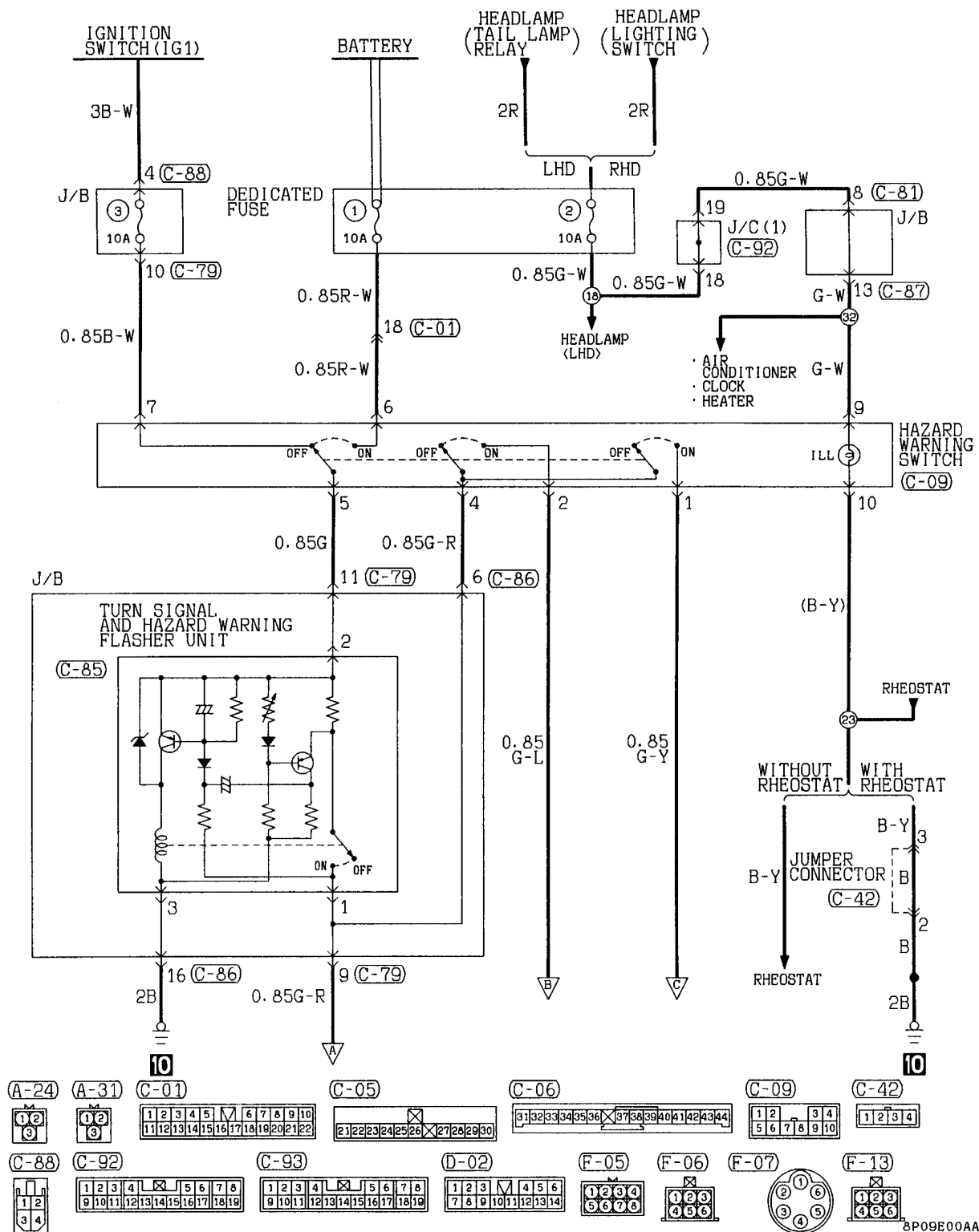


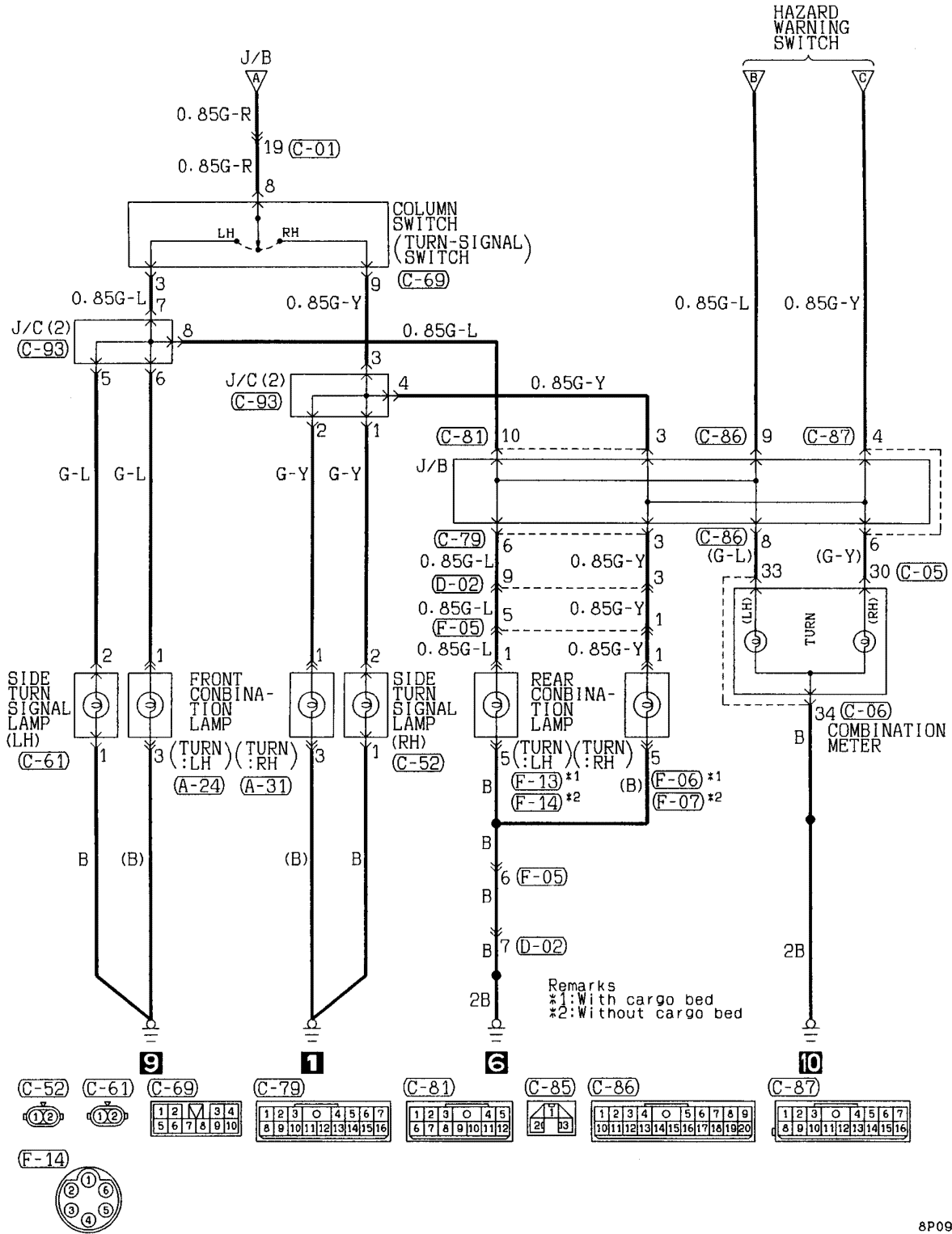


TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290486

1998 Models





TURN-SIGNAL LAMP AND HAZARD WARNING LAMP (See P. 4-134, 136.) 90100290172**OPERATION****<Turn-signal lamp>****1. In standard operating condition**

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

2. When one bulb is burnt

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

<Hazard warning lamp>

- When the hazard warning switch is turned to the "ON" position, current flows via dedicated fuse No. (1) to the flasher unit, the flasher unit relay contacts repeatedly close and open, which results in the RH and LH turn-signal lamps, turn-signal indicator lamps, and hazard warning indicator lamps flashing on and off at the same time.

Remark

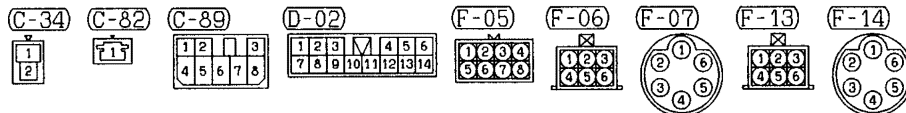
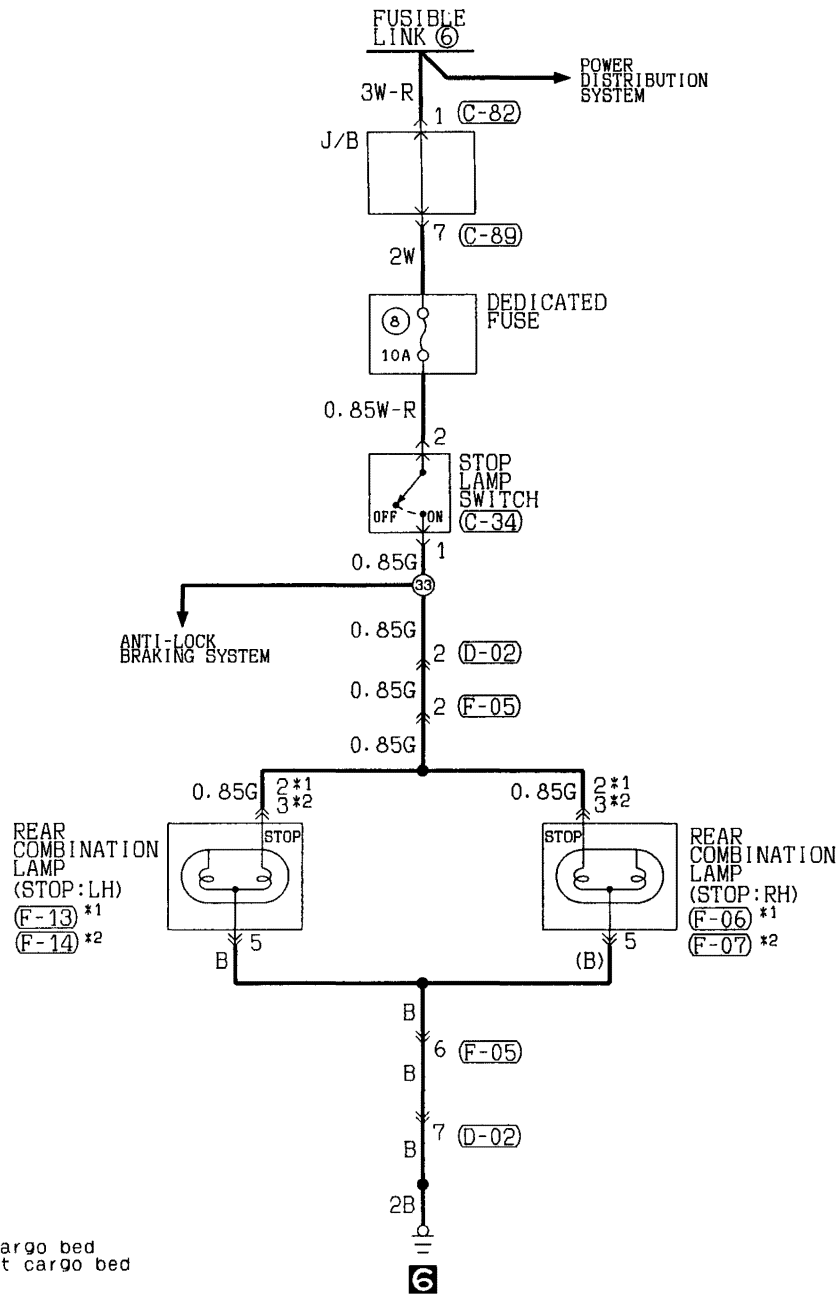
- The number of times the hazard warning lamps flash on and off does not change even when one bulb is out.

TROUBLESHOOTING HINTS

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

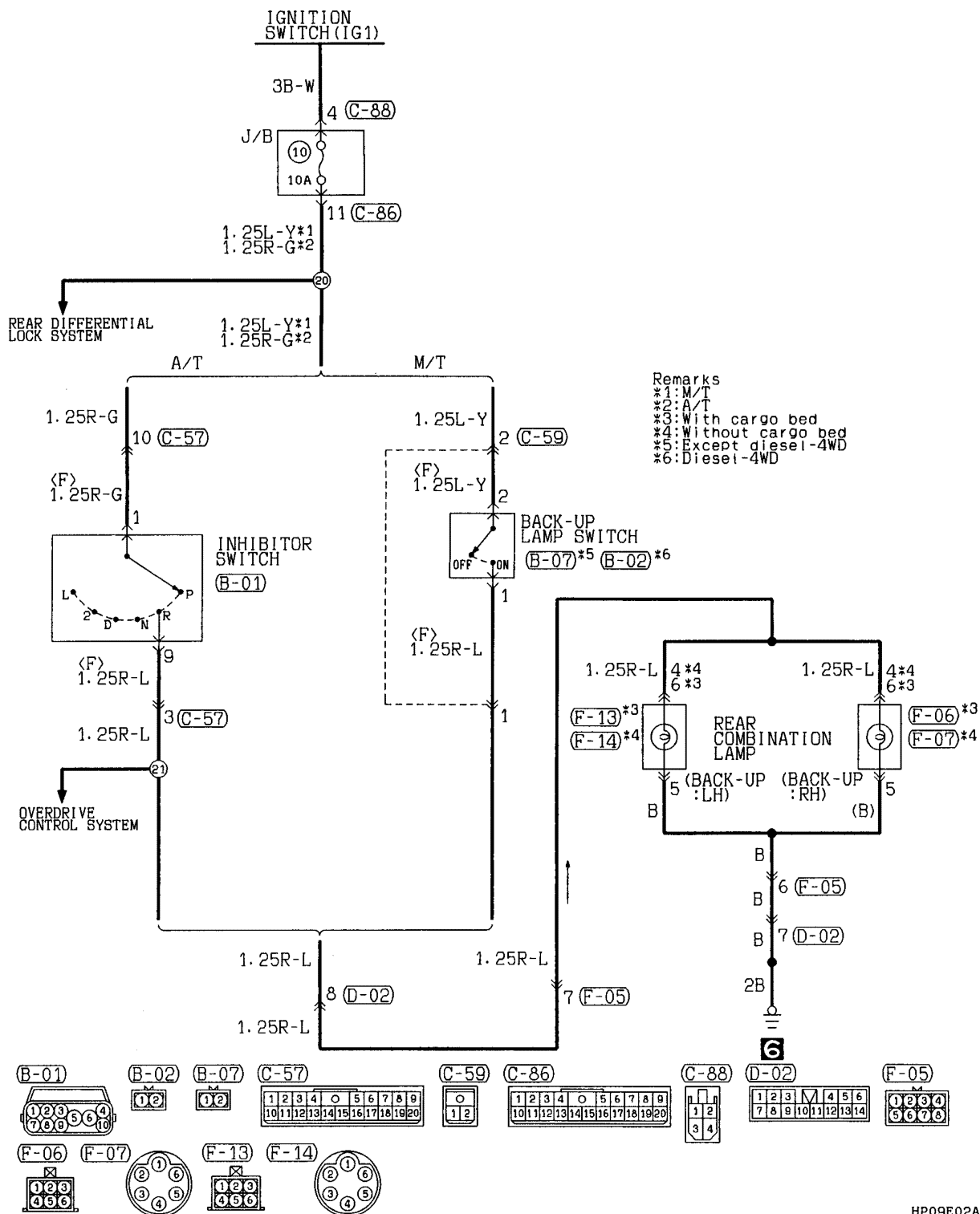
STOP LAMP

90100300172



BACK-UP LAMP

90100310182

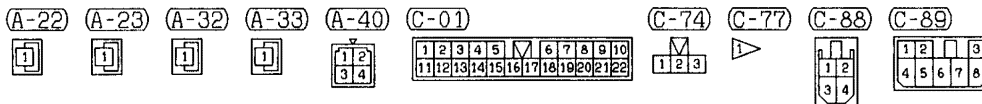
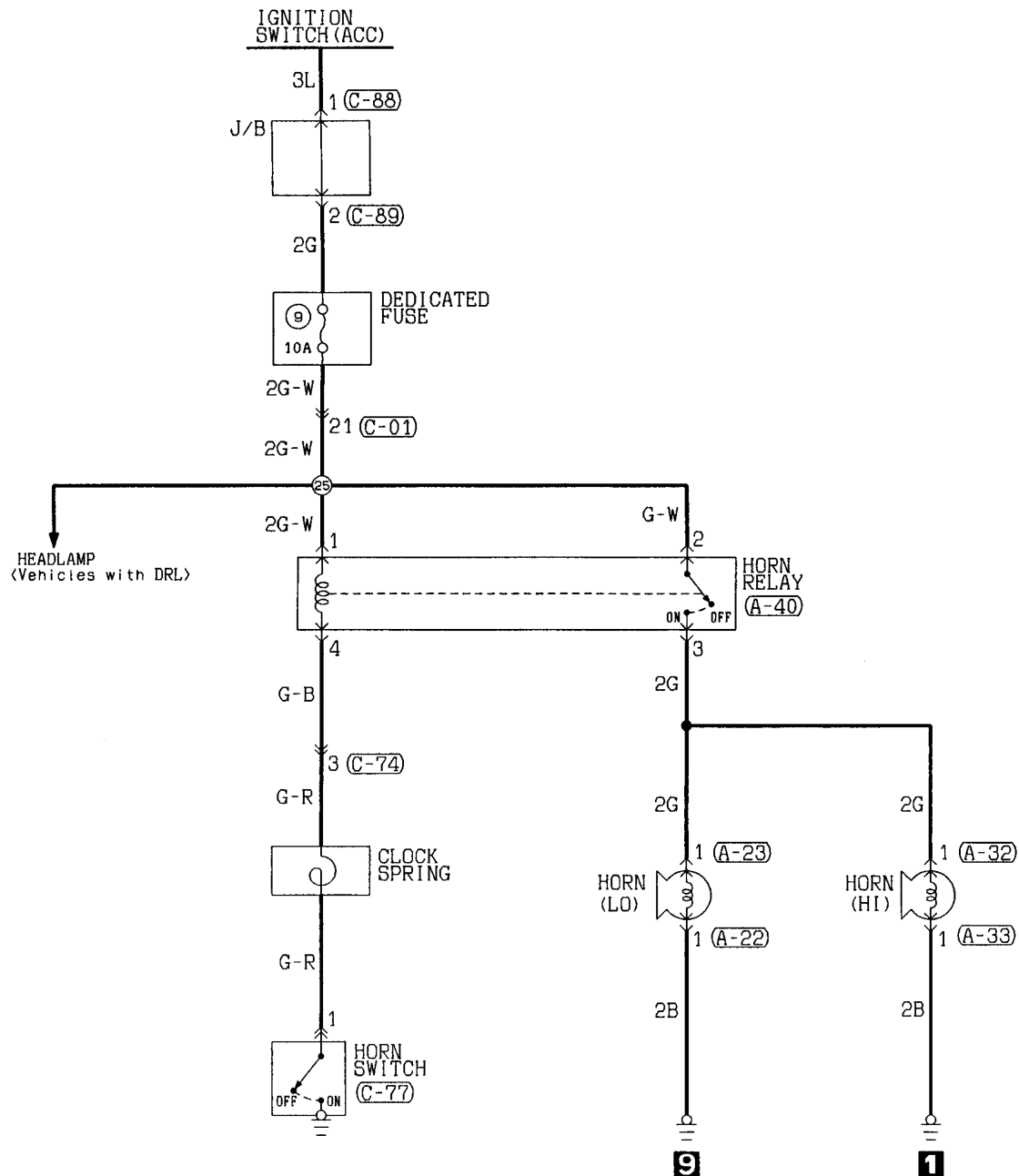


NOTES

HORN

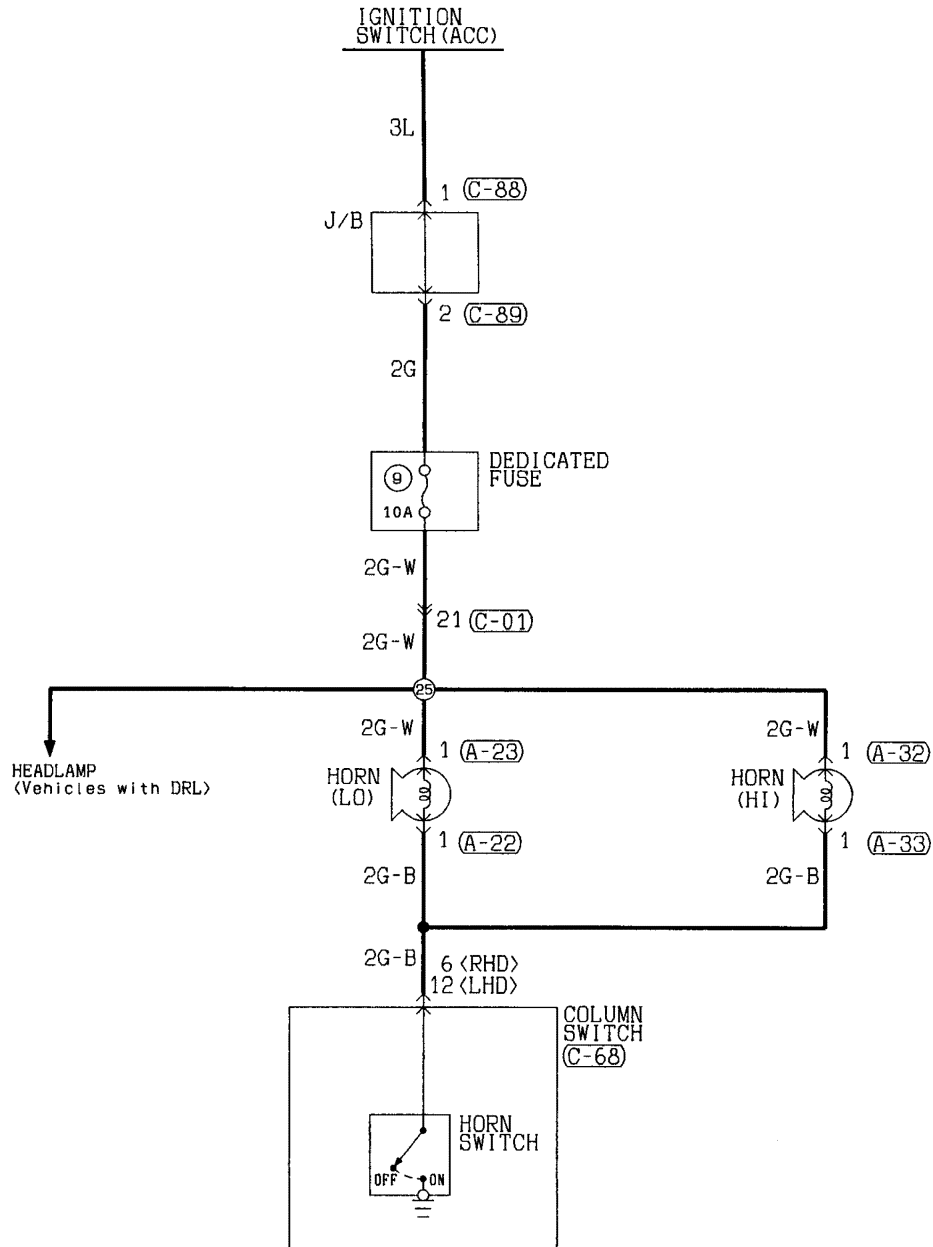
90100330171

Vehicles with SRS



HORN

90100330188

Vehicles without SRS

(A-22) (A-23) (A-32) (A-33) (C-01)



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

(C-68)

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

(C-88)

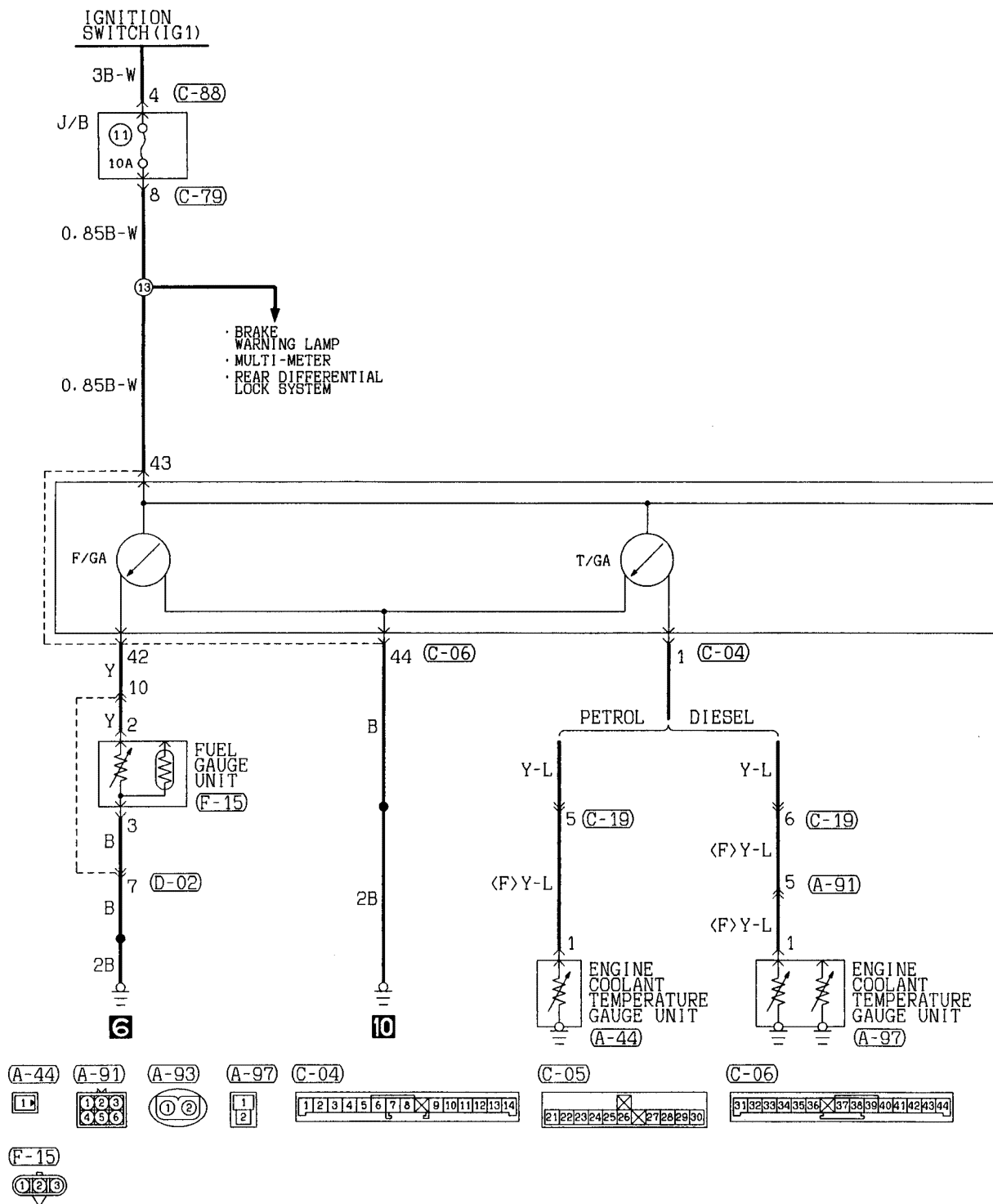
1	2
3	4

(C-89)

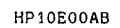
1	2	3
4	5	6
7	8	

METER AND GAUGE

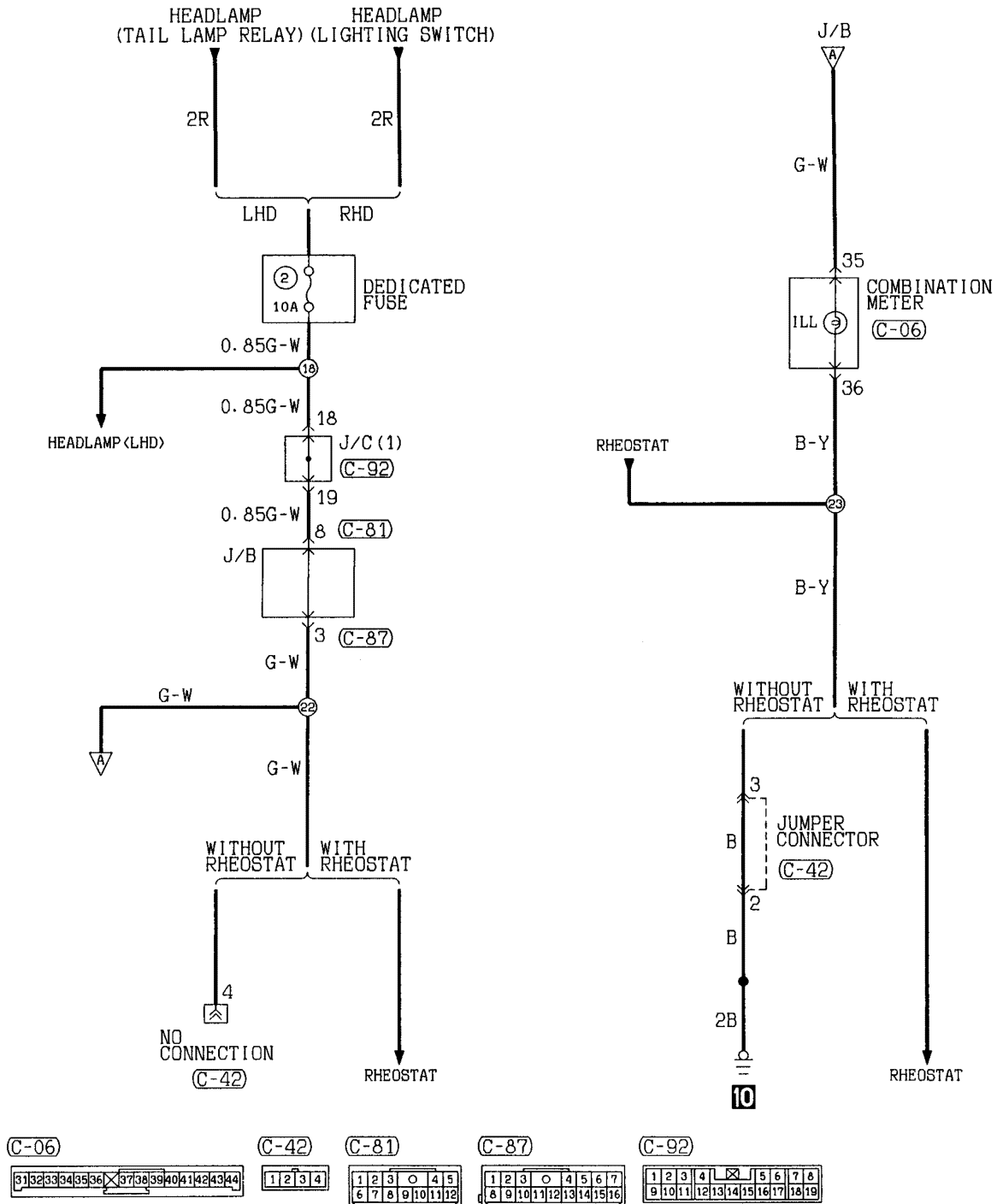
90100350207



HP10E00AA



METER AND GAUGE (CONTINUED)



METER AND GAUGE (See P. 4-144.)

90100350214

OPERATION**<Fuel gauge>**

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

<Engine coolant temperature gauge>

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

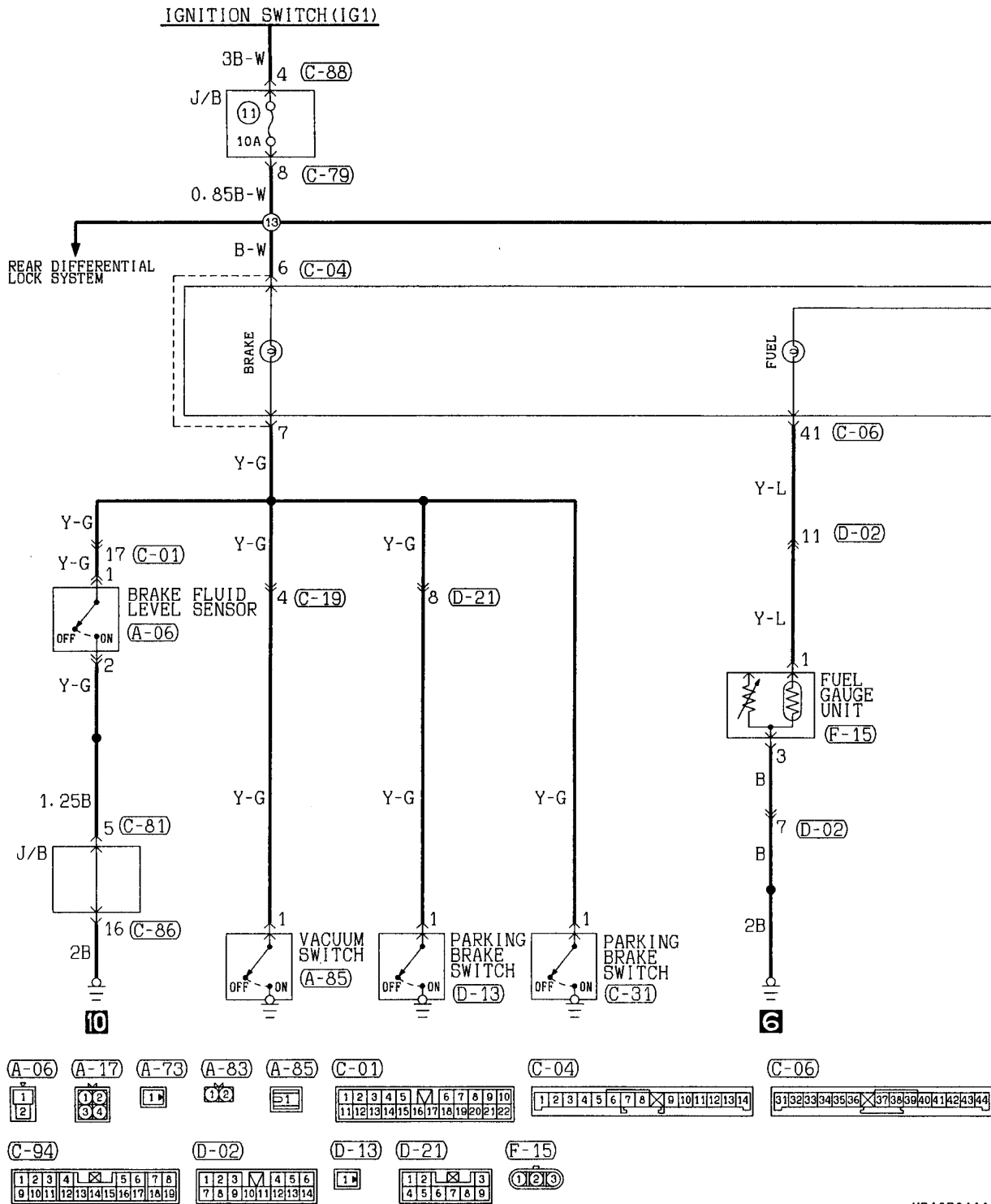
TROUBLESHOOTING HINTS

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

BRAKE WARNING LAMP FUEL WARNING LAMP

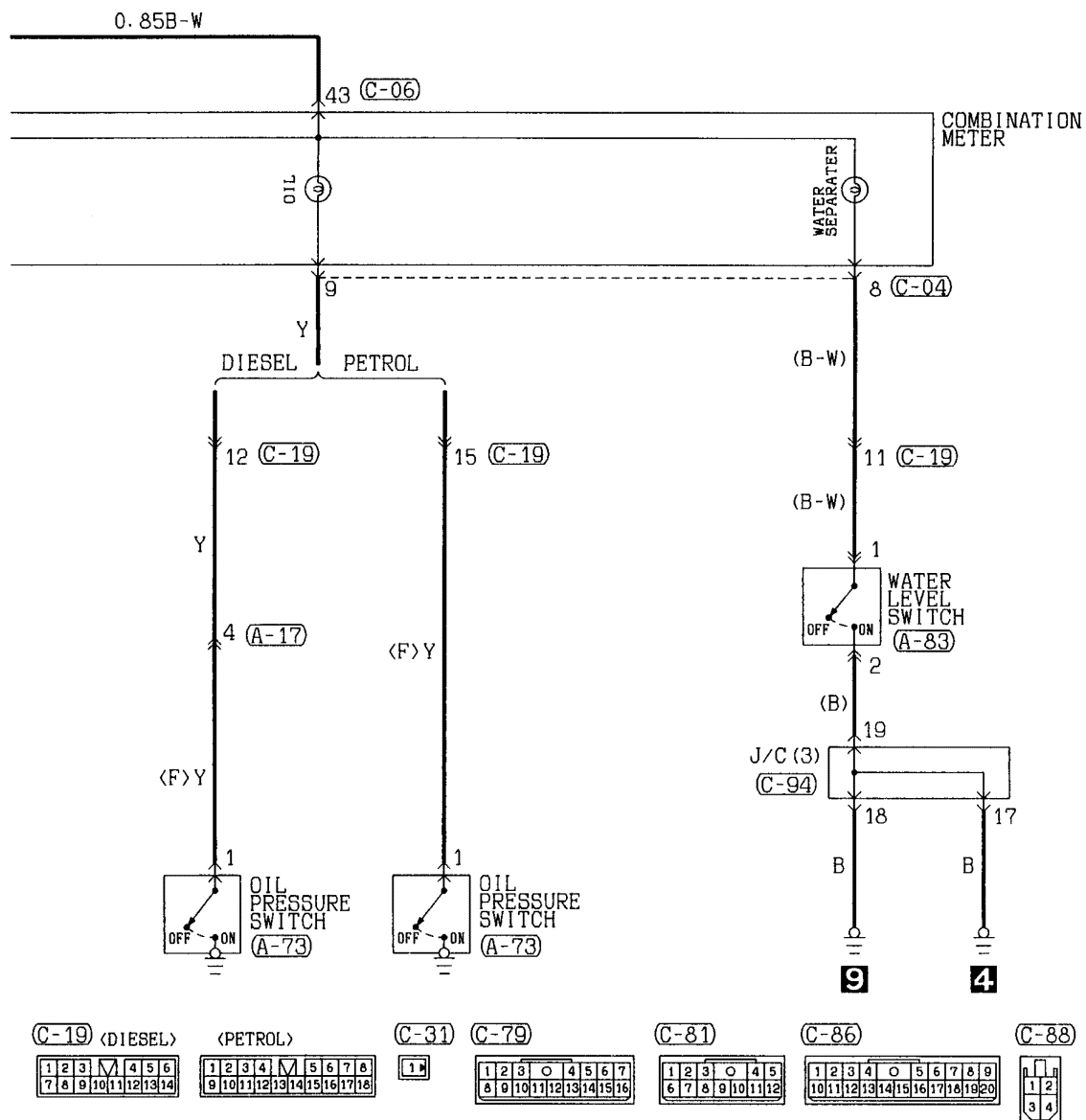
90101180102

Vehicles without SRS



OIL PRESSURE WARNING LAMP FUEL FILTER WARNING LAMP

Diesel-powered vehicles



BRAKE WARNING LAMP (See P. 4-148.)

90101180119

FUEL WARNING LAMP (See P. 4-148.)**OIL PRESSURE WARNING LAMP (See P. 4-149.)****FUEL FILTER WARNING LAMP (See P. 4-149.)****OPERATION****<Brake warning lamp>**

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

<Fuel warning lamp>

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

<Oil pressure warning lamp>

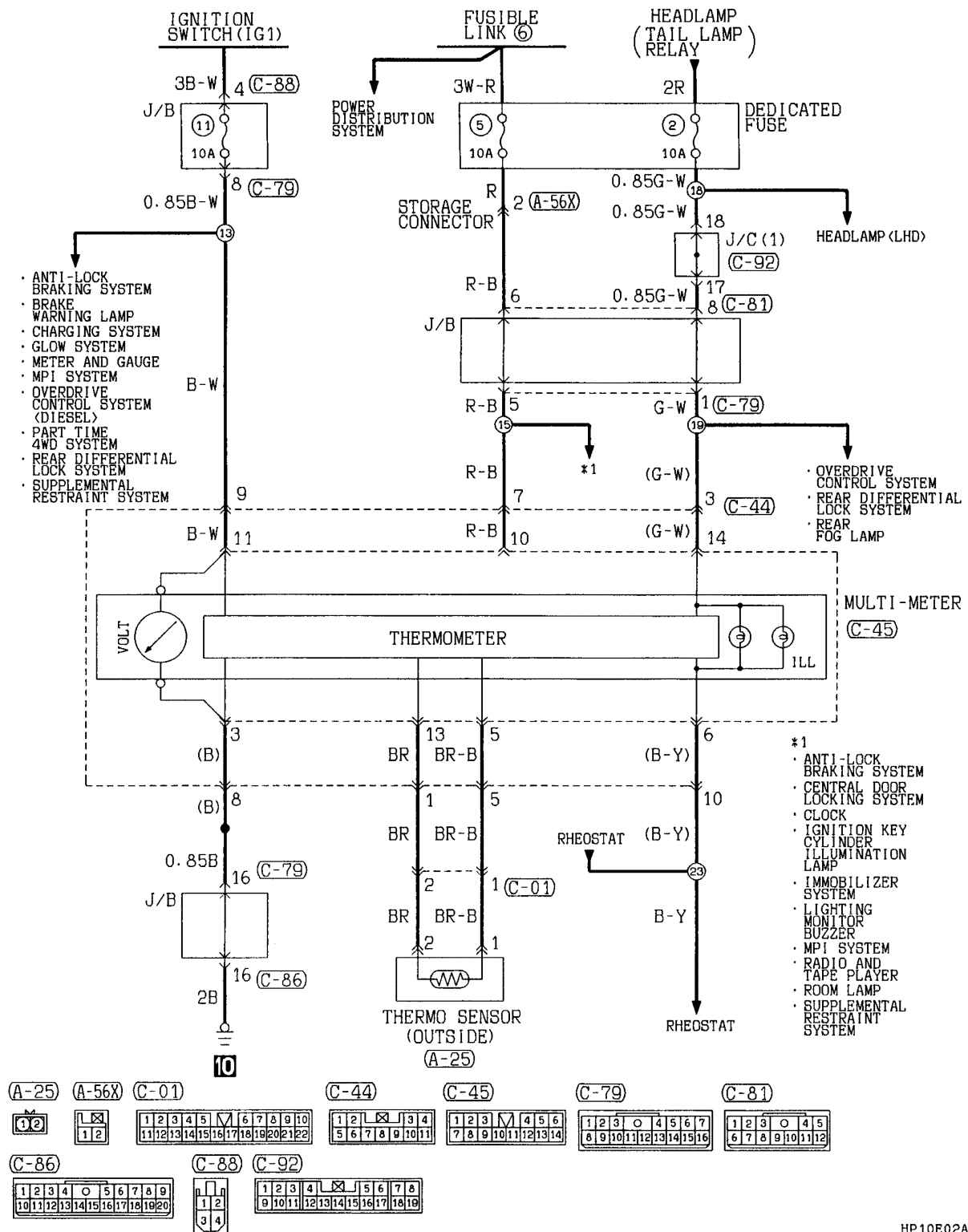
- When the lubrication system fails after engine starting, resulting in the oil pressure failing to build up, the oil pressure switch turns on causing the oil pressure warning lamp to illuminate.

<Fuel filter warning lamp> (Diesel)

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

MULTI-METER

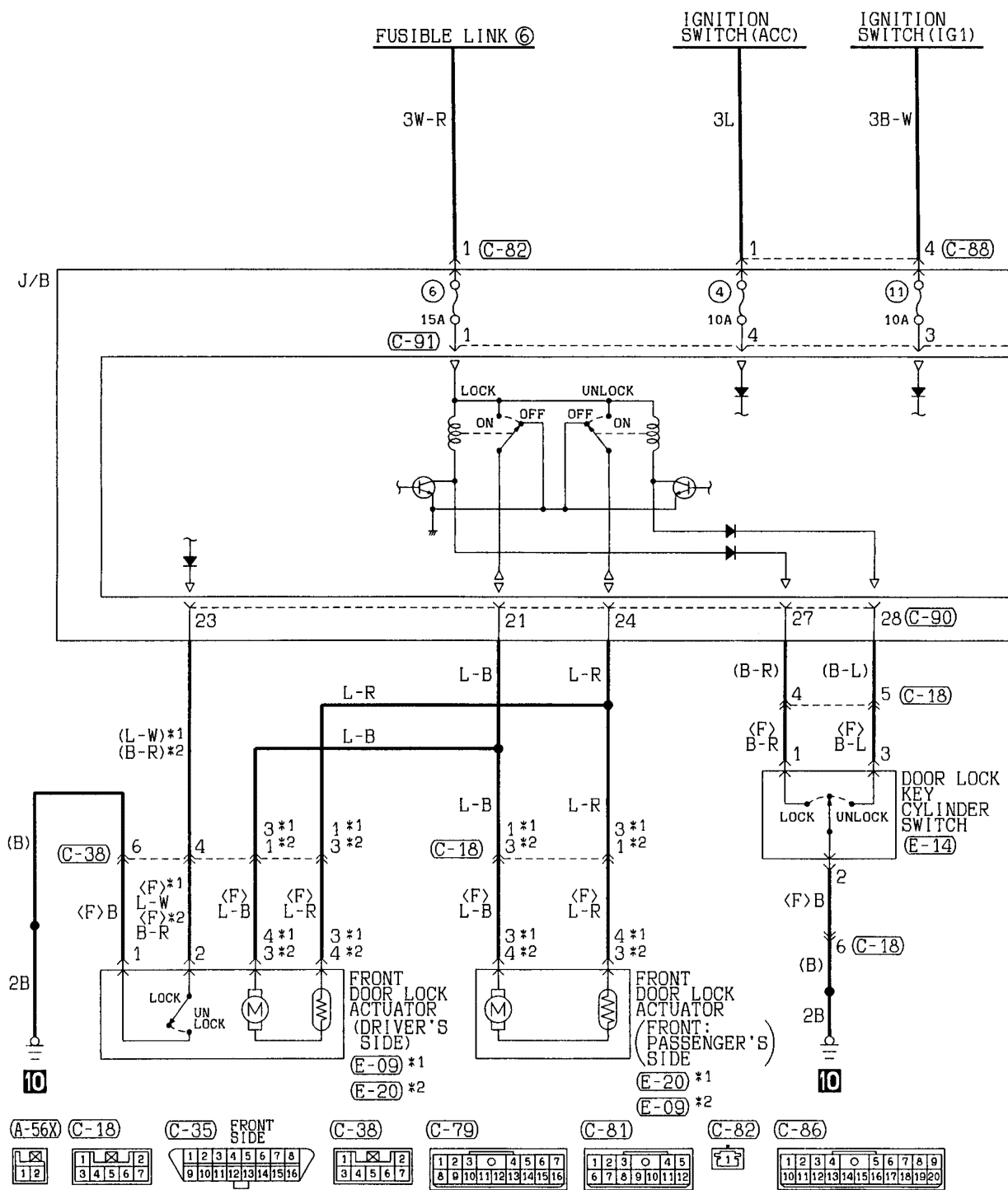
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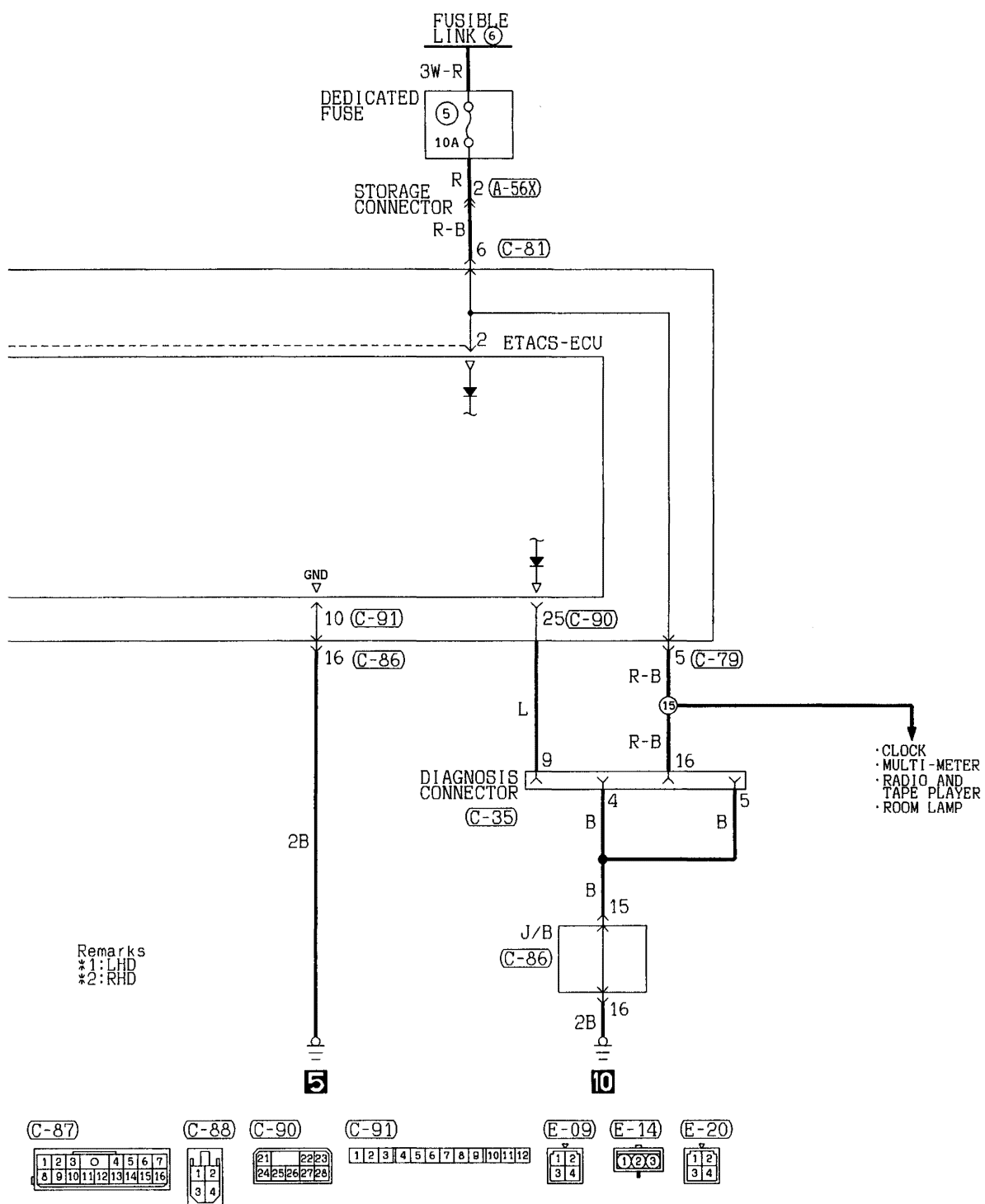


CENTRAL DOOR LOCKING SYSTEM

90100470323

Except double cab





FUSIBLE LINK 6

3W-R

DEDICATED FUSE

10A

R

2 (A-56X)

STORAGE CONNECTOR

R-B

6 (C-81)

J/B

ETACS-ECU

GND

10 (C-91)

16 (C-86)

25 (C-90)

5 (C-79)

R-B

15

R-B

9

16

DIAGNOSIS CONNECTOR (C-35)

4

5

B

B

15

J/B (C-86)

16

2B

5

10

CLOCK

MULTI-METER

RADIO AND TAPE PLAYER

ROOM LAMP

(A-56X)

(C-35) FRONT SIDE

(C-79)

(C-81)

(C-86)

(C-87)

(C-90)

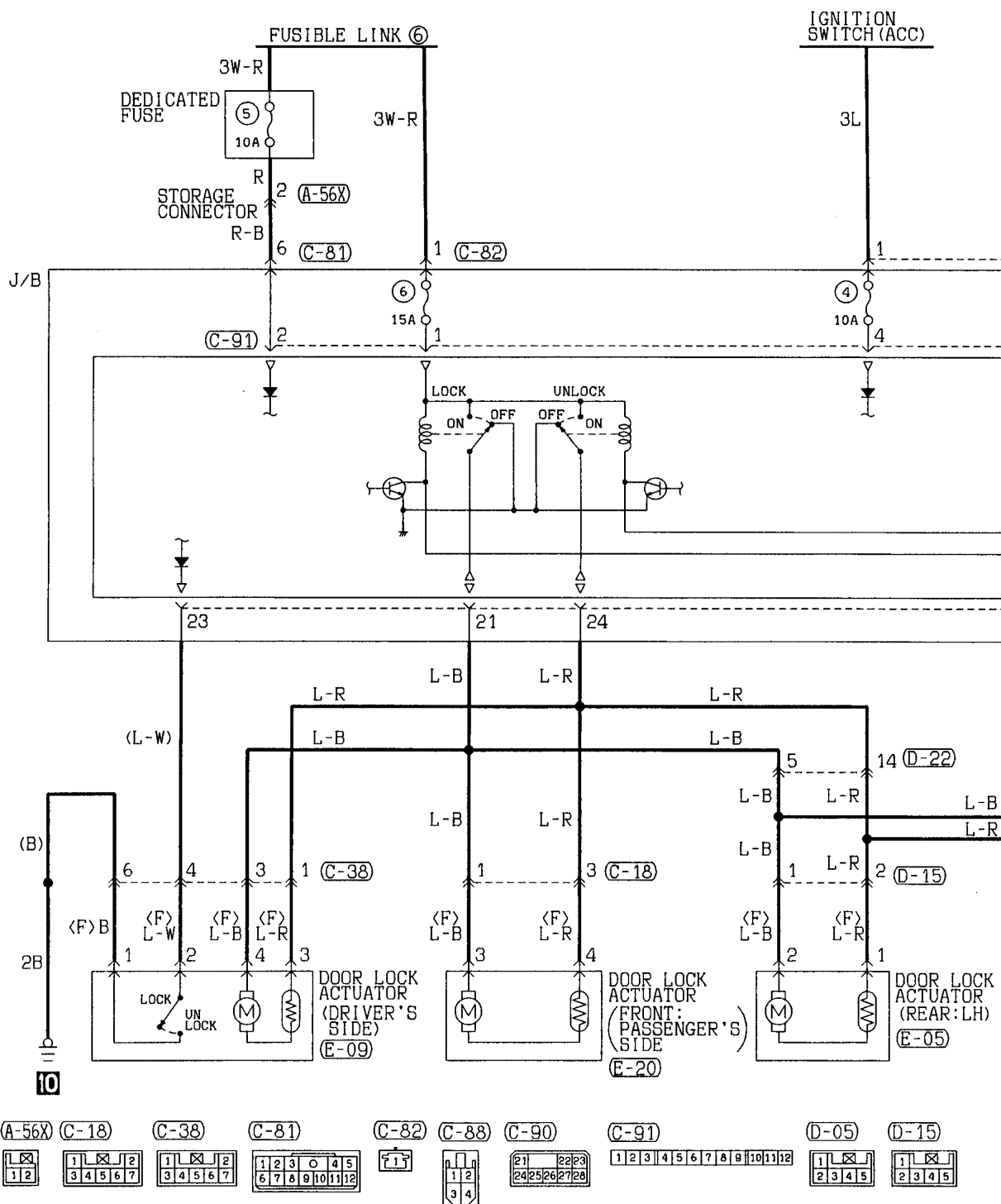
(C-91)

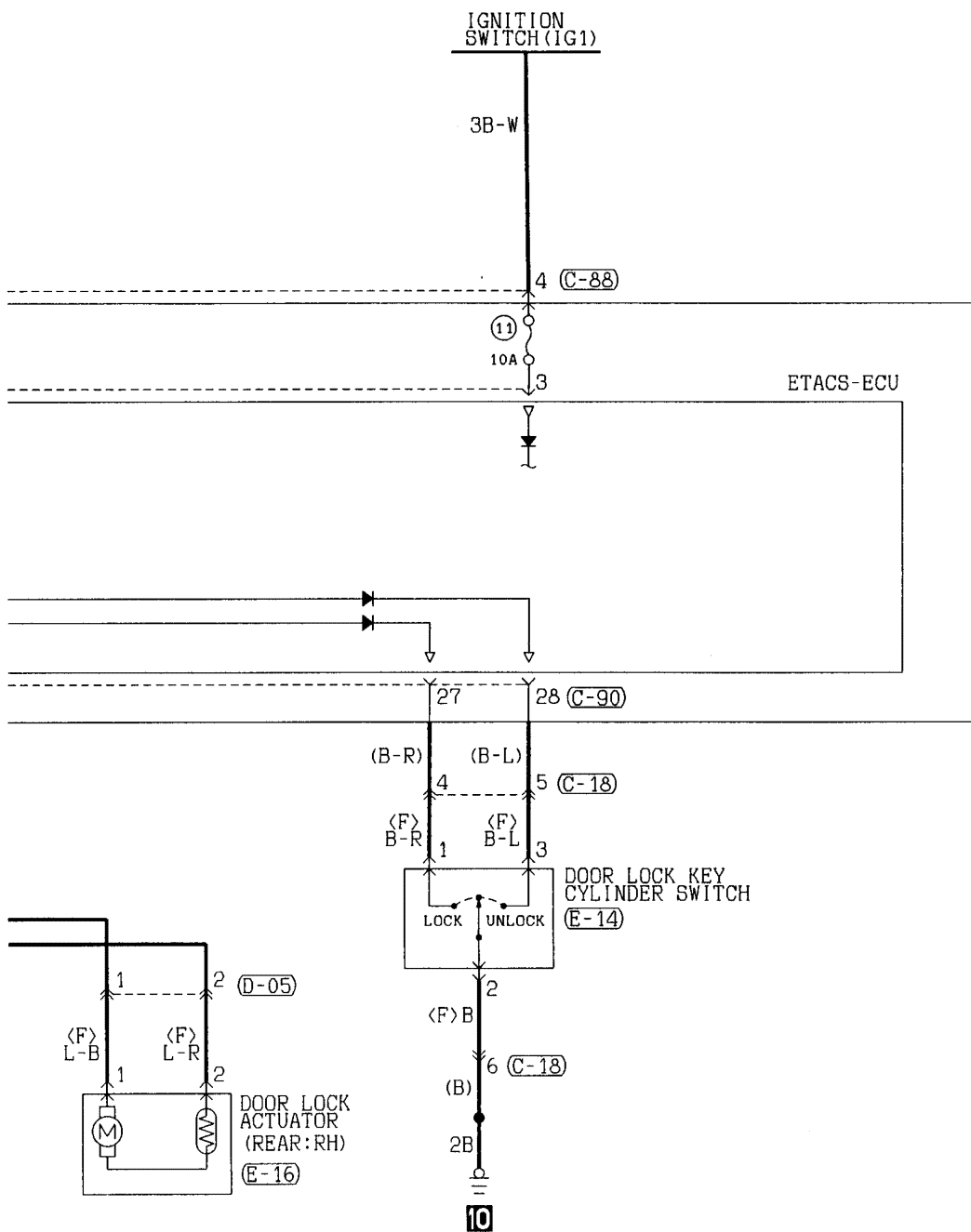
NOTES

CENTRAL DOOR LOCKING SYSTEM

90100470385

Double cab





D-22

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

E-05

1	2
3	4

E-09

1	2
3	4

E-14

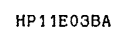
1	2	3
---	---	---

E-16

1	2
3	4

E-20

1	2
3	4

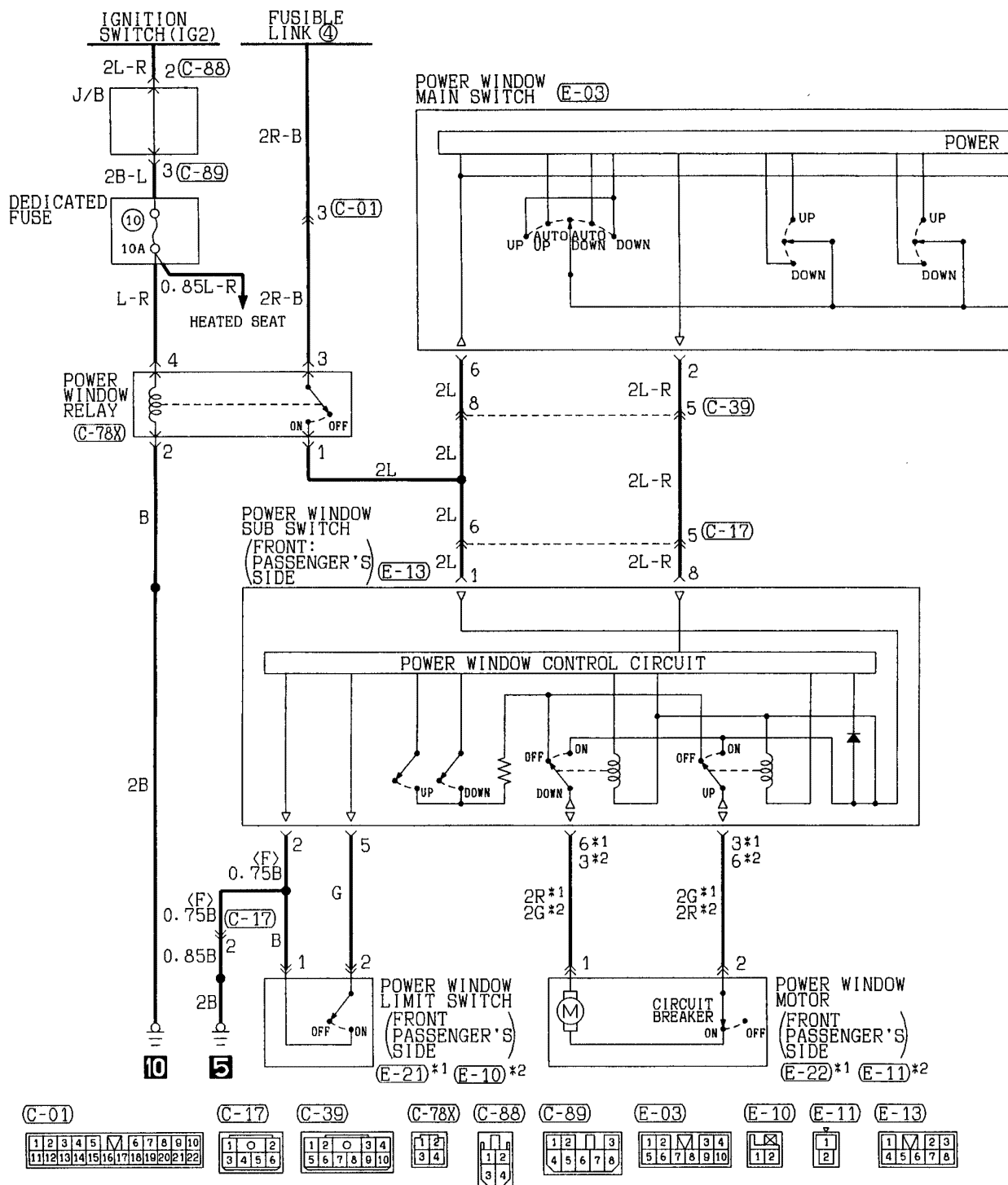


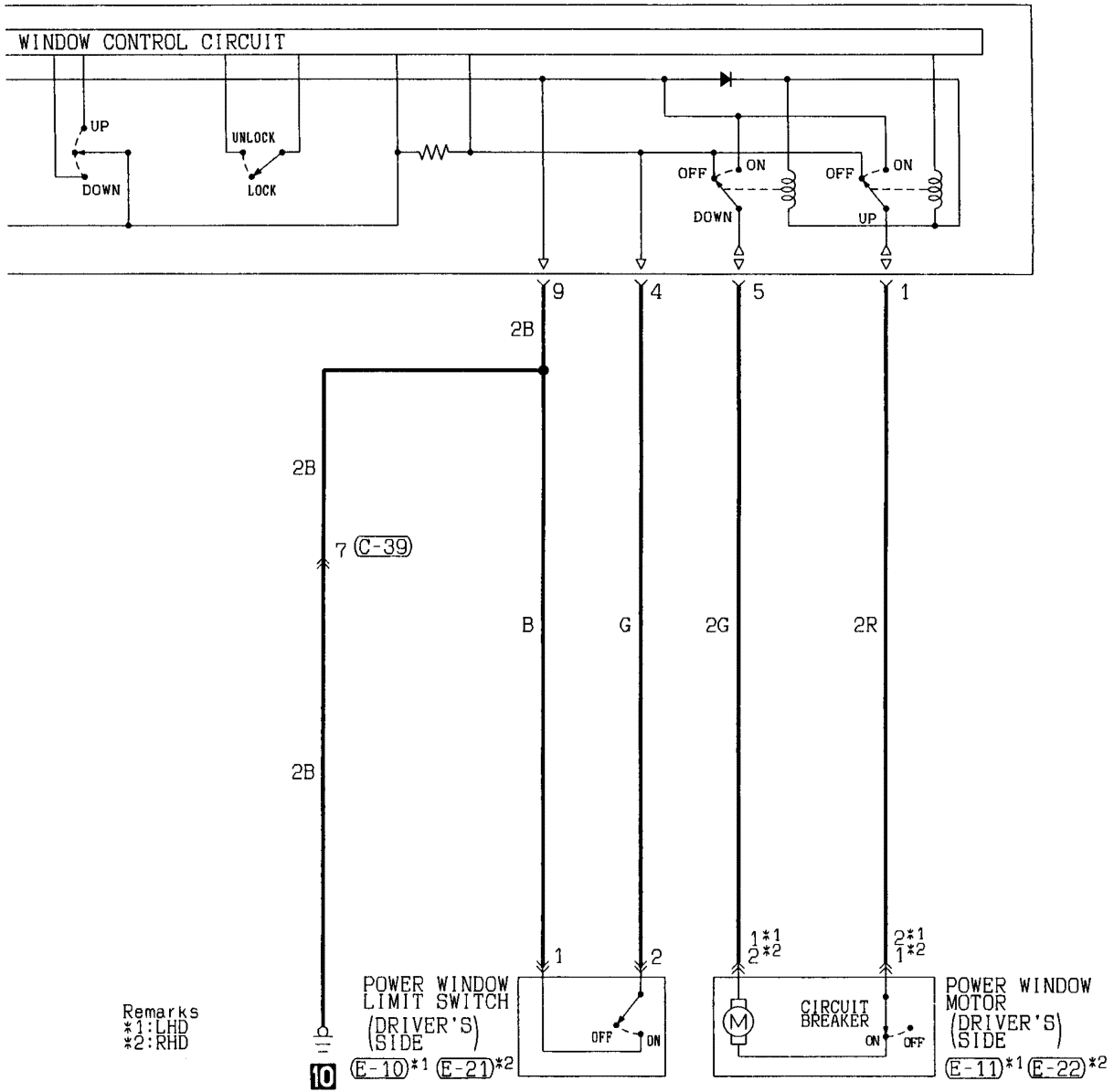
NOTES

POWER WINDOWS

90100460207

Except double cab





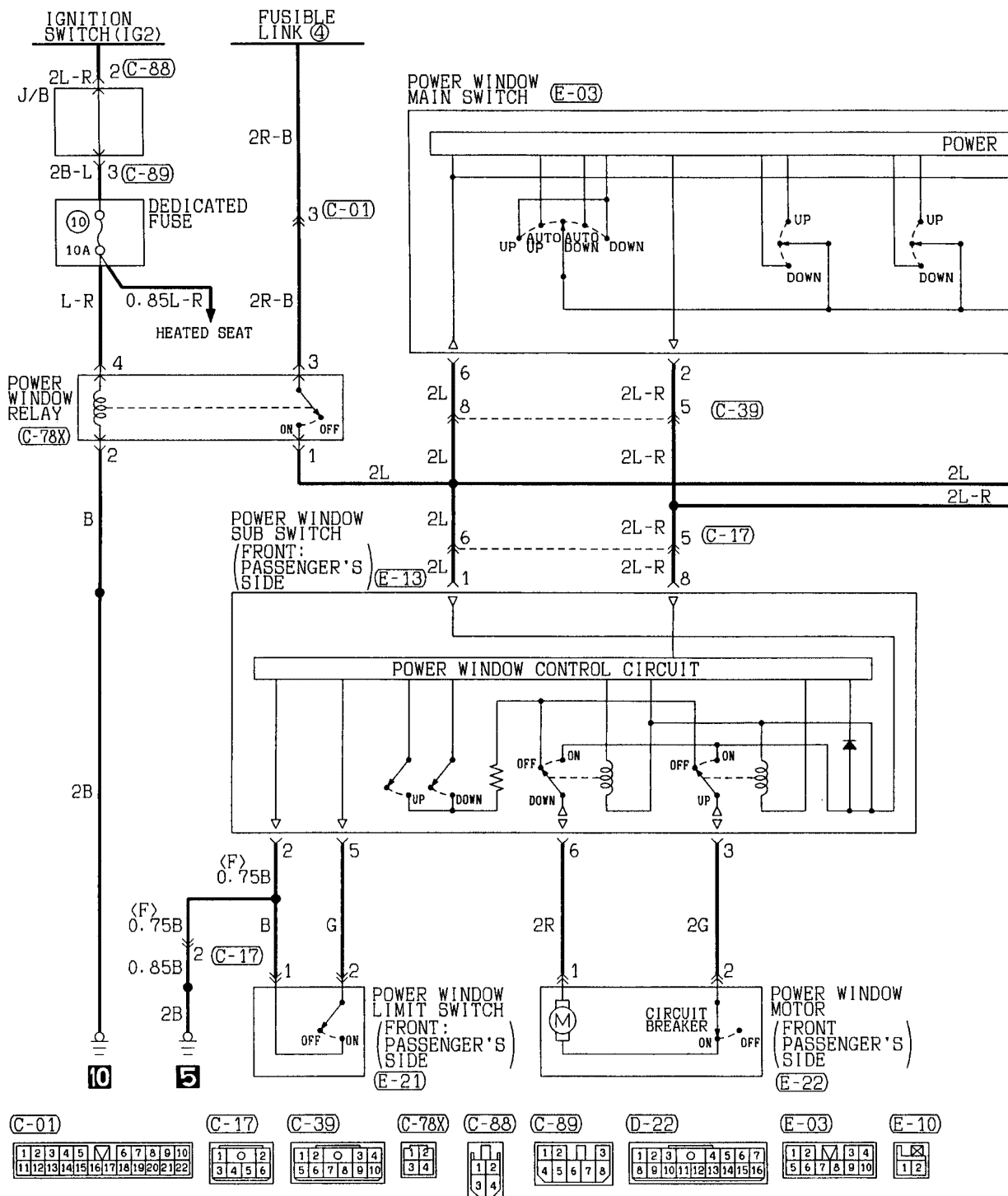
E-21 E-22



POWER WINDOWS

90100460214

Double cab <1997 Models>



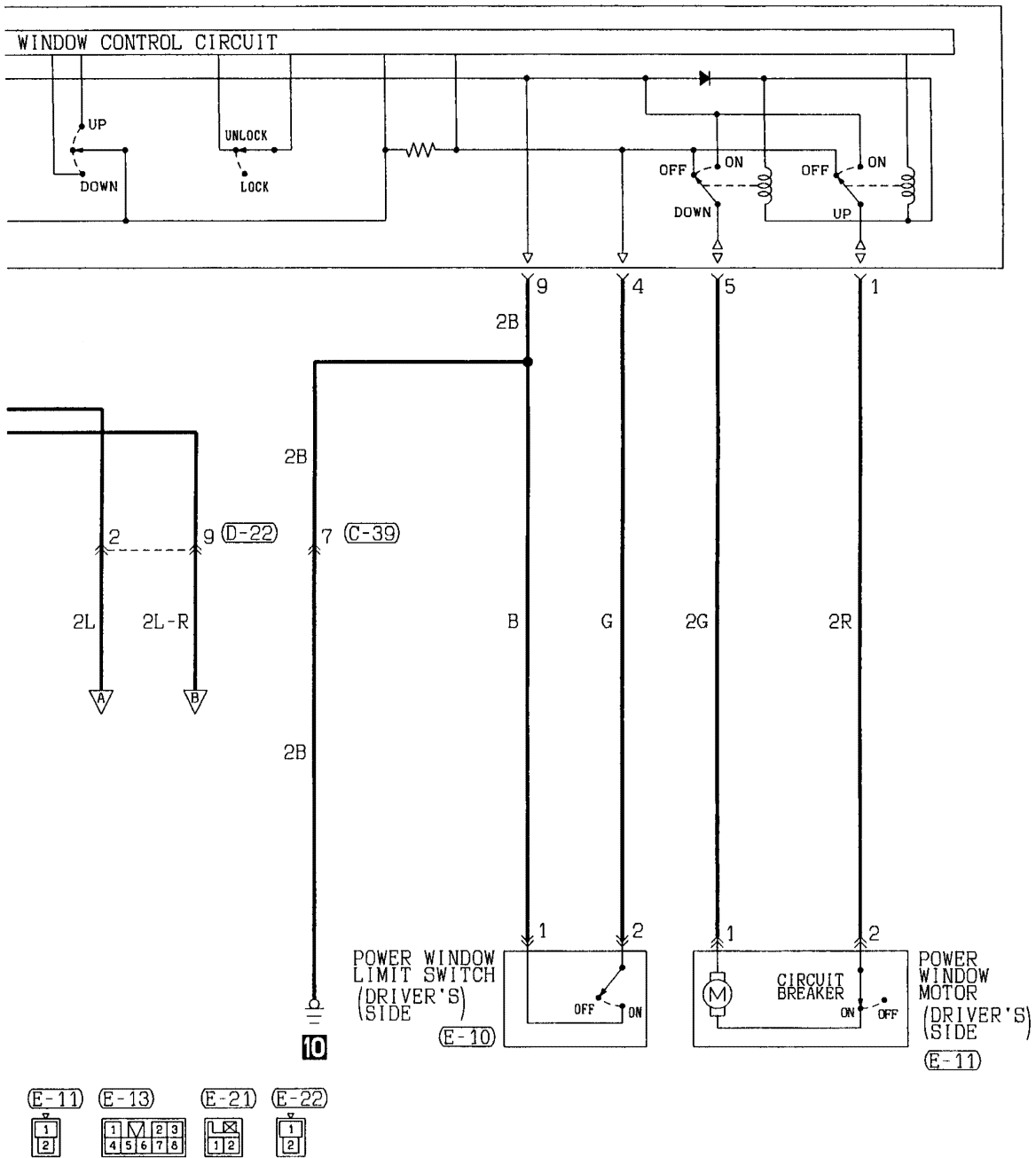


Diagram 1: Power Window Main Switch and Relay Circuit

This diagram shows the main power distribution for the rear power windows. It includes the **POWER WINDOW MAIN SWITCH** (E-07) and the **POWER WINDOW RELAY** (E-08). The main switch controls the power to the relay through a fuse (D-16). The relay then distributes power to the rear right (RH) and rear left (LH) power window control circuits.

Diagram 2: Power Window Control Circuit (RH) and Limit Switch (RH)

This diagram details the control circuit for the rear right power window. It shows the **POWER WINDOW CONTROL CIRCUIT** (E-18) and the **POWER WINDOW LIMIT SWITCH (REAR: RH)** (E-19). The control circuit includes a fuse (D-04) and a fuse (D-22). The limit switch is used to prevent the window from closing completely.

Diagram 3: Power Window Control Circuit (LH) and Limit Switch (LH)

This diagram details the control circuit for the rear left power window. It shows the **POWER WINDOW CONTROL CIRCUIT** (E-04) and the **POWER WINDOW LIMIT SWITCH (REAR: LH)** (E-07). The control circuit includes a fuse (D-04) and a fuse (D-22). The limit switch is used to prevent the window from closing completely.

Diagram 4: Power Window Motor (RH) and Motor (LH)

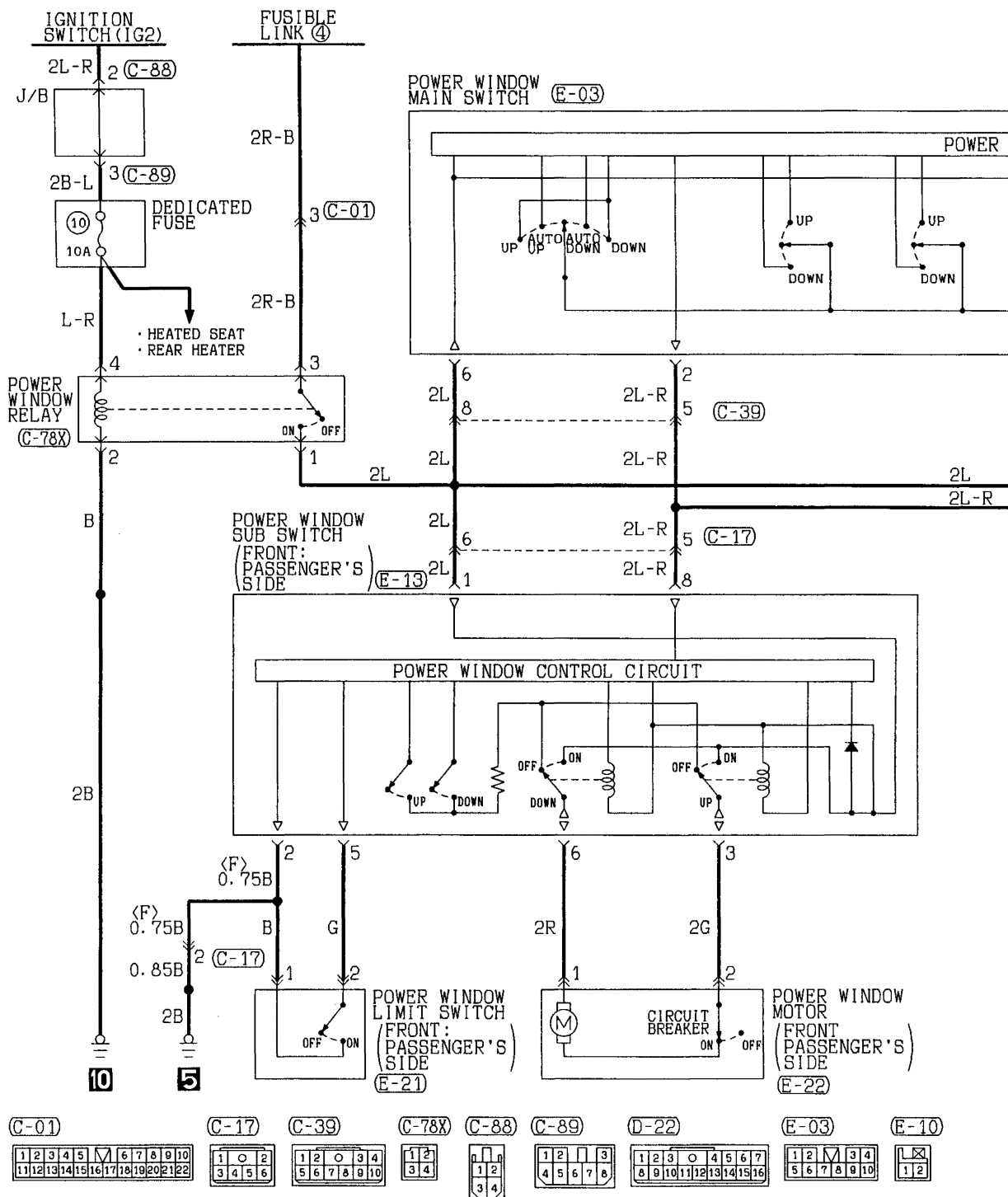
This diagram shows the power window motors for the rear right (RH) and rear left (LH). The RH motor (E-18) and LH motor (E-07) are connected to the control circuits through fuses (D-04) and (D-22).

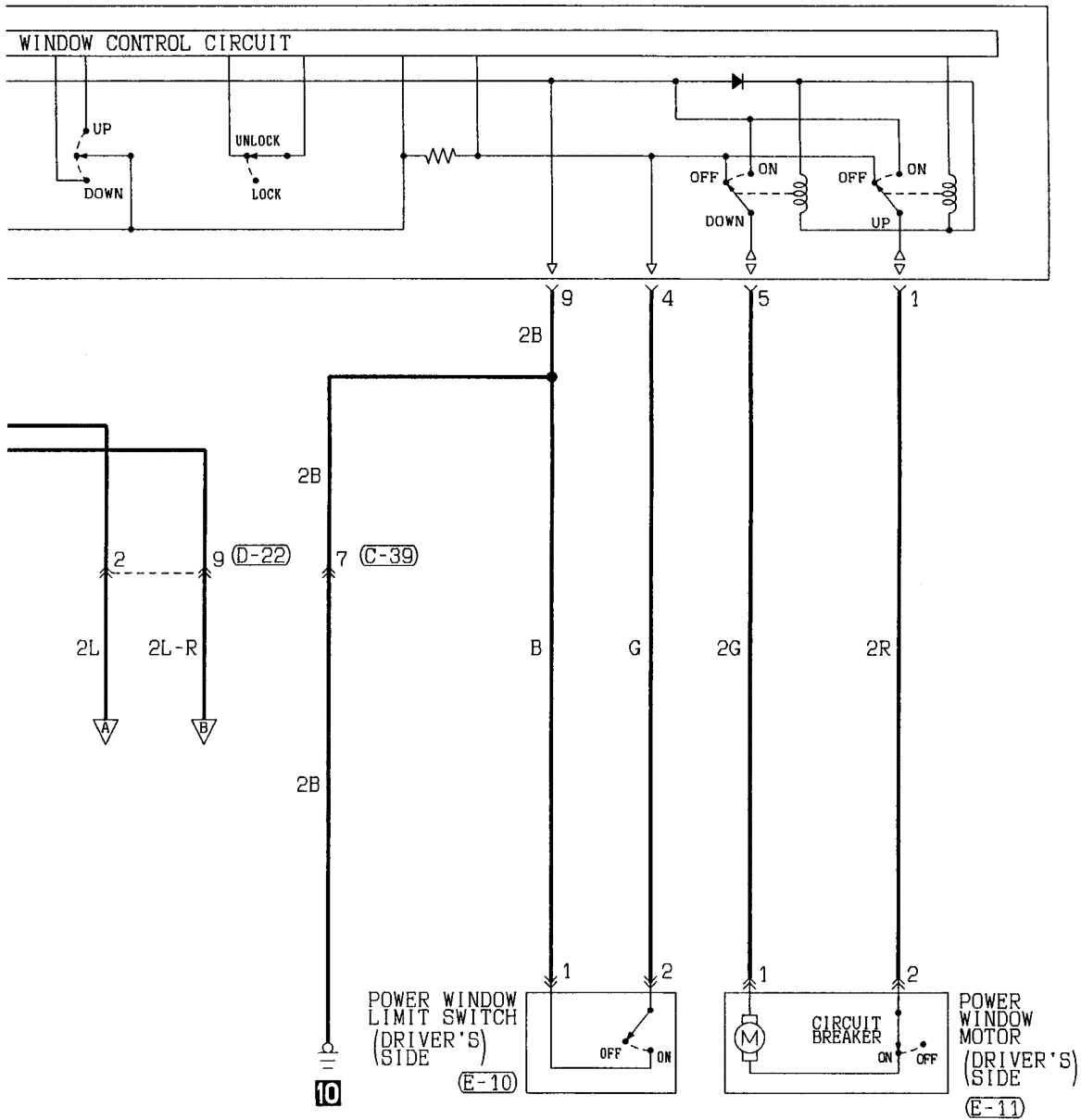
NOTES

POWER WINDOWS

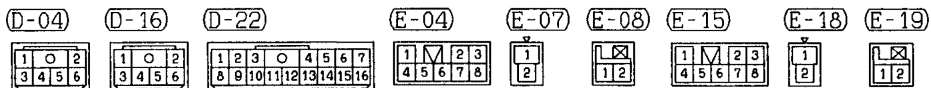
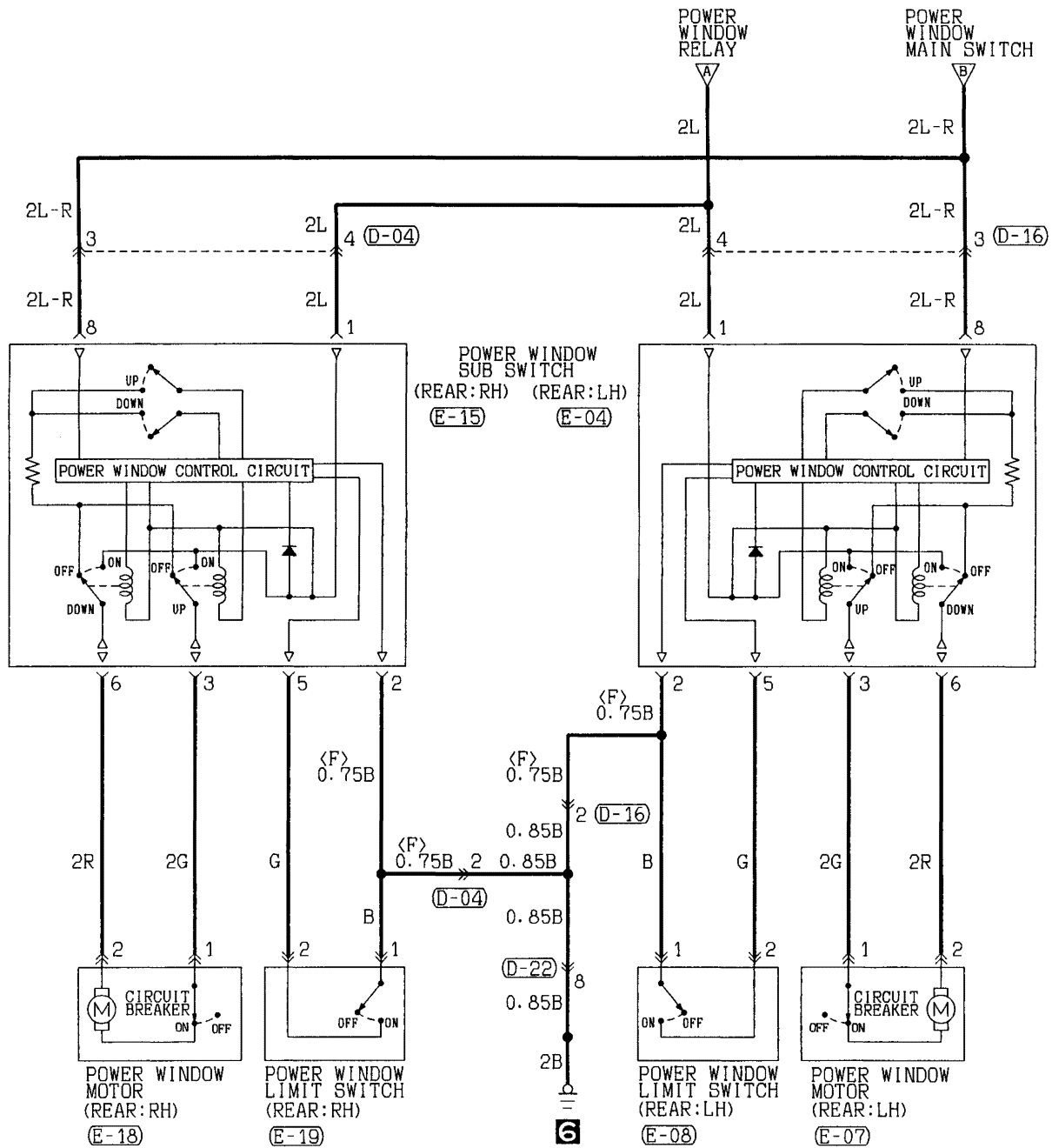
90100460566

Double cab <1998 Models>



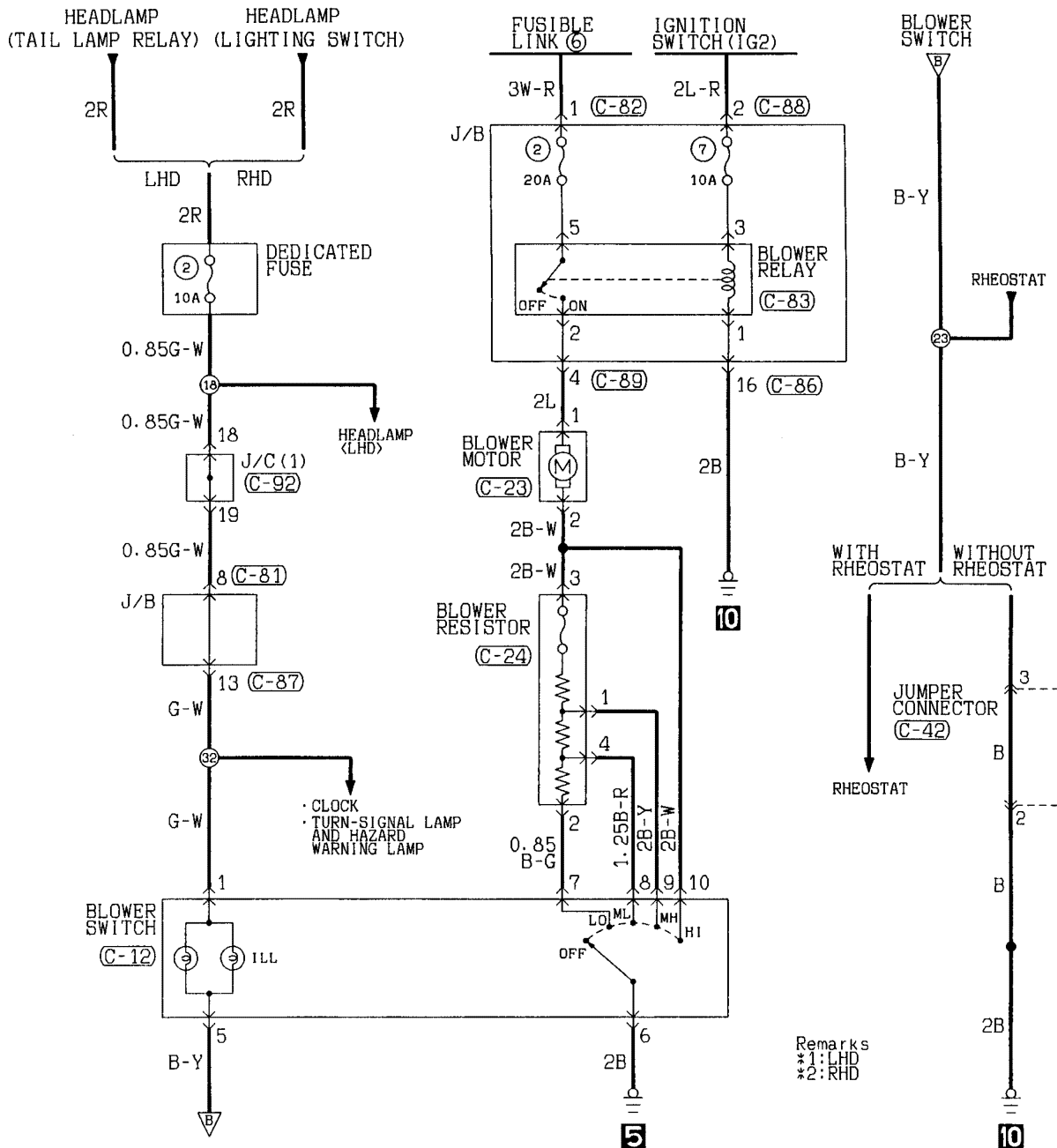


POWER WINDOWS <Double cab (1998 Models)> (CONTINUED)

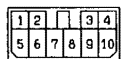


HEATER

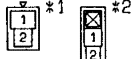
90101330088



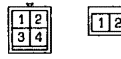
C-12



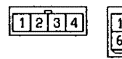
C-23



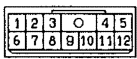
C-24



C-42



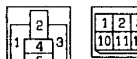
C-81



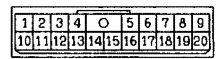
C-82



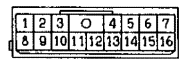
C-83



C-86



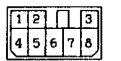
C-87



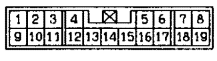
C-88



C-89



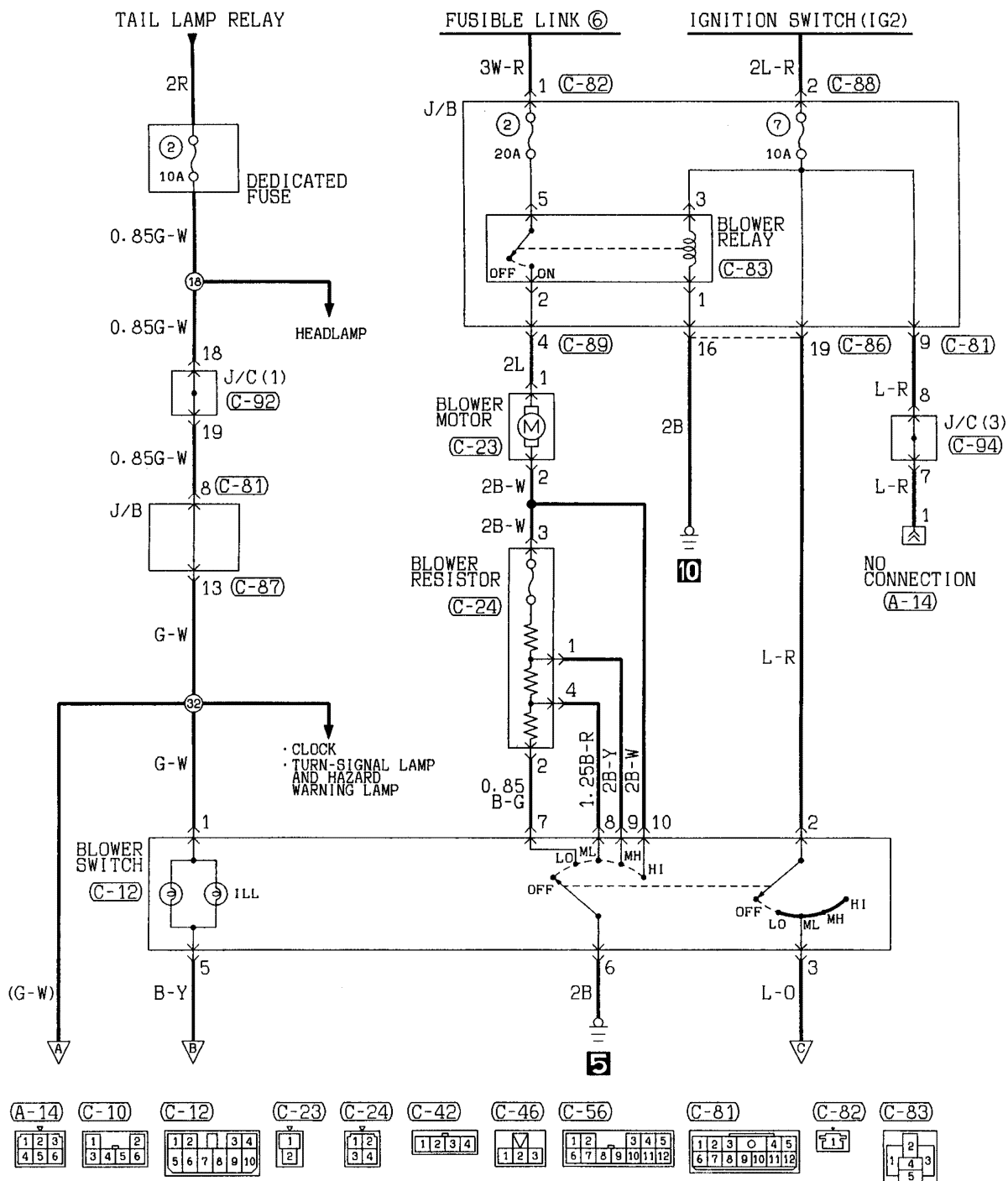
C-92

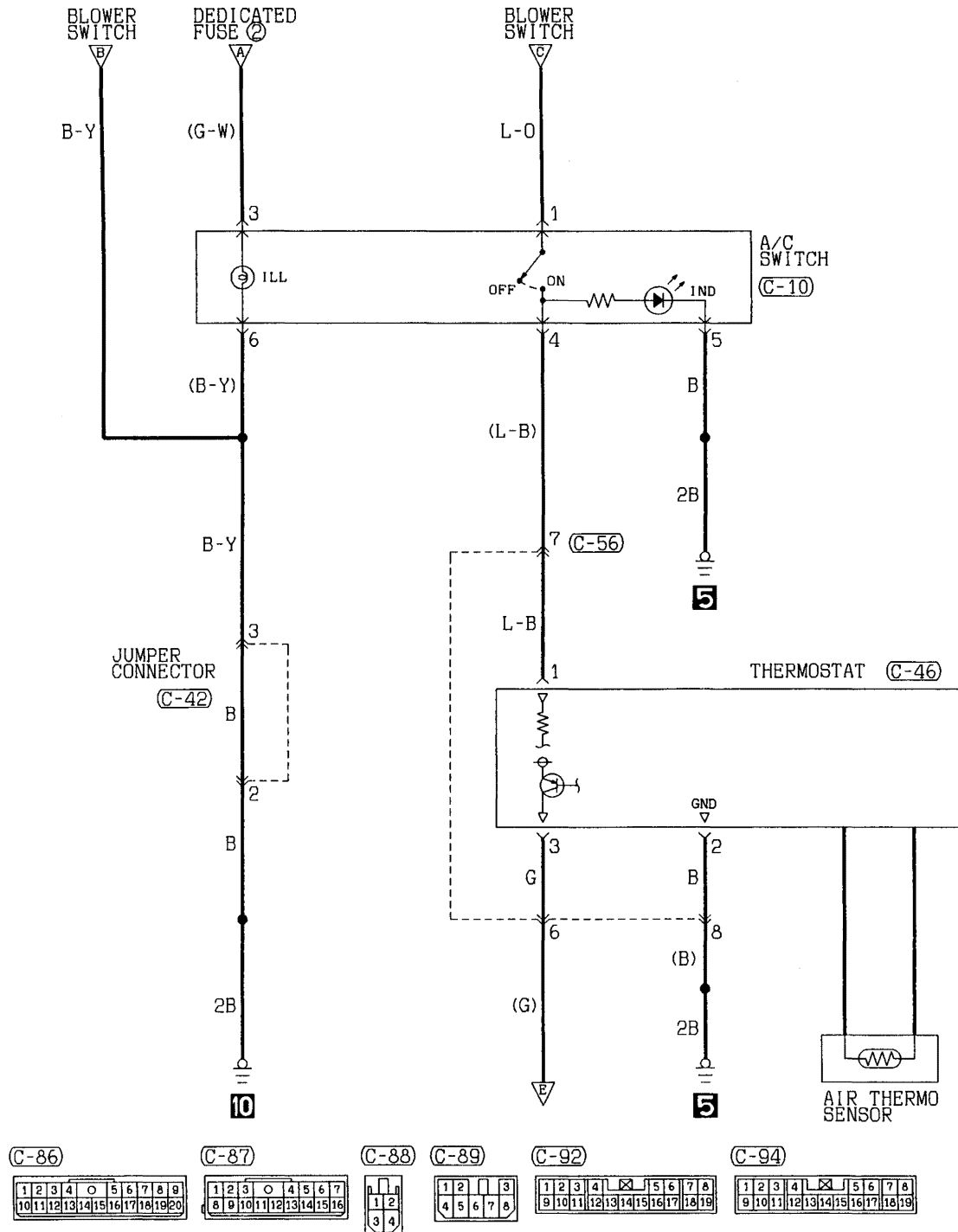


AIR CONDITIONER

90101280208

Petrol-powered vehicles





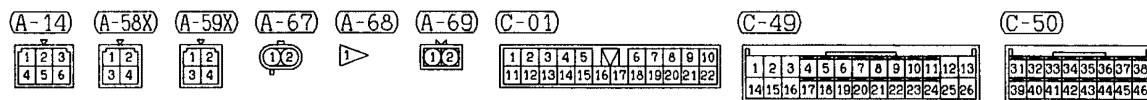
Wiring Diagram for A/C System (1.8L 16V Engine)

Legend:

- *1: Without immobilizer system
- *2: With immobilizer system

Key Components and Connections:

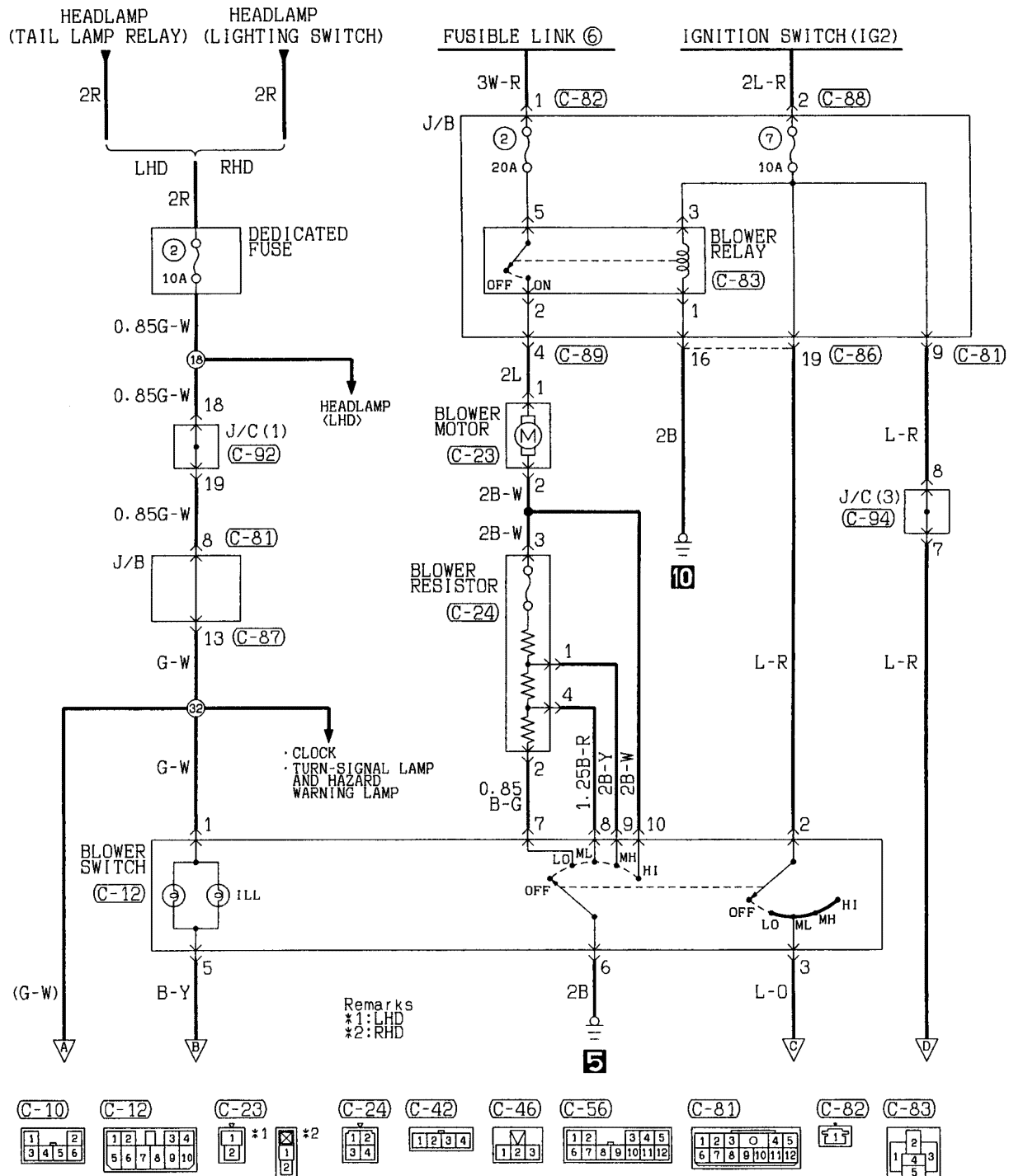
- Battery:** FUSIBLE LINK ⑦, THERMOSTAT
- Fuses:**
 - ⑥ 20A: DEDICATED FUSE (Condenser Fan Motor)
 - ⑦ 10A: DEDICATED FUSE (A/C Compressor Relay)
- Relays and Switches:**
 - CONDENSER FAN MOTOR (A-69)
 - CONDENSER FAN RELAY (A-59X)
 - A/C COMPRESSOR RELAY (A-58X)
 - DUAL PRESSURE SWITCH (A-67)
 - MAGNETIC CLUTCH (A-68)
- Wiring Details:**
 - Condenser Fan Motor:** Power from battery via 2B-R, 2B, 2L-B, and 2L-B to the motor and relay.
 - A/C Compressor Relay:** Power from battery via 0.85B-R, 0.85B-W, and 0.85B-W to the relay and magnetic clutch.
 - Dual Pressure Switch:** Power from battery via B-Y, B-Y, and B-Y to the switch.
 - Magnetic Clutch:** Power from battery via 0.85B-W to the clutch.
 - Engine ECU:** Connected to the system via ENGINE-ECU (C-49) and ENGINE-ECU (C-50).

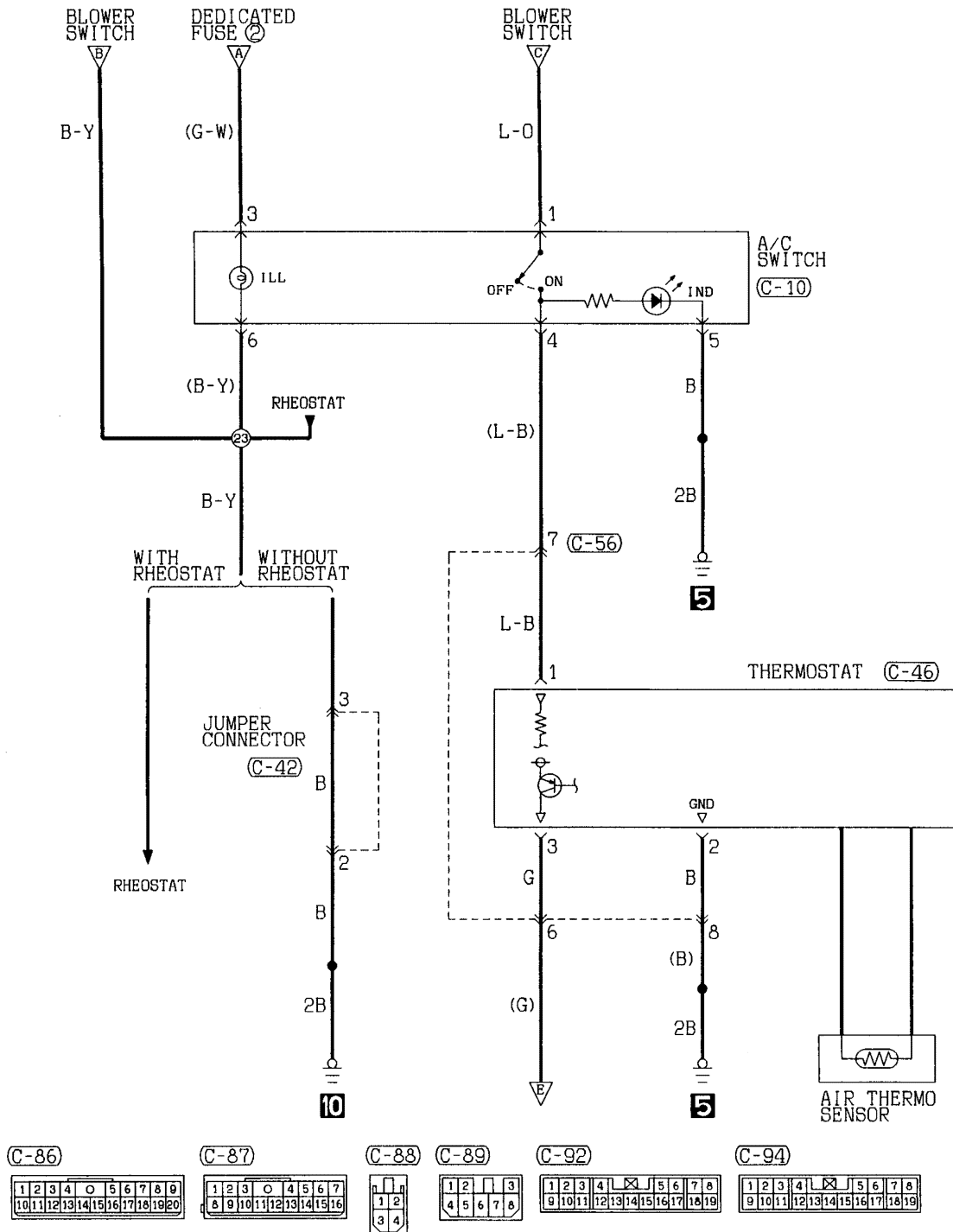


NOTES

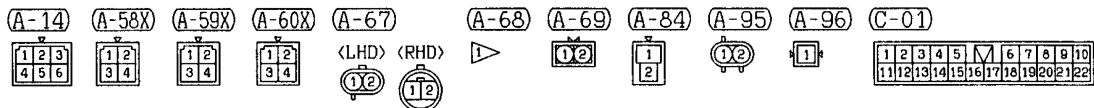
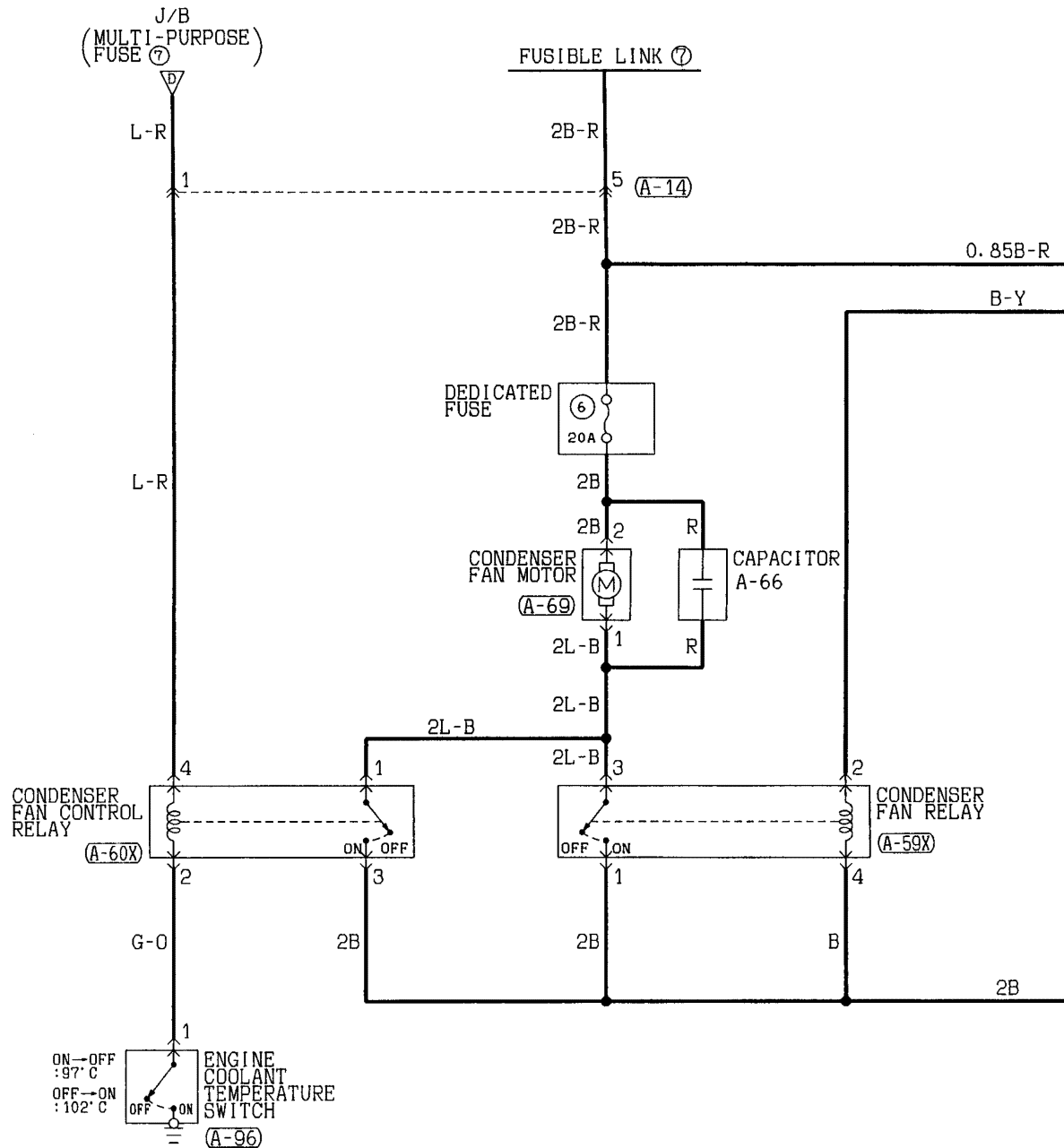
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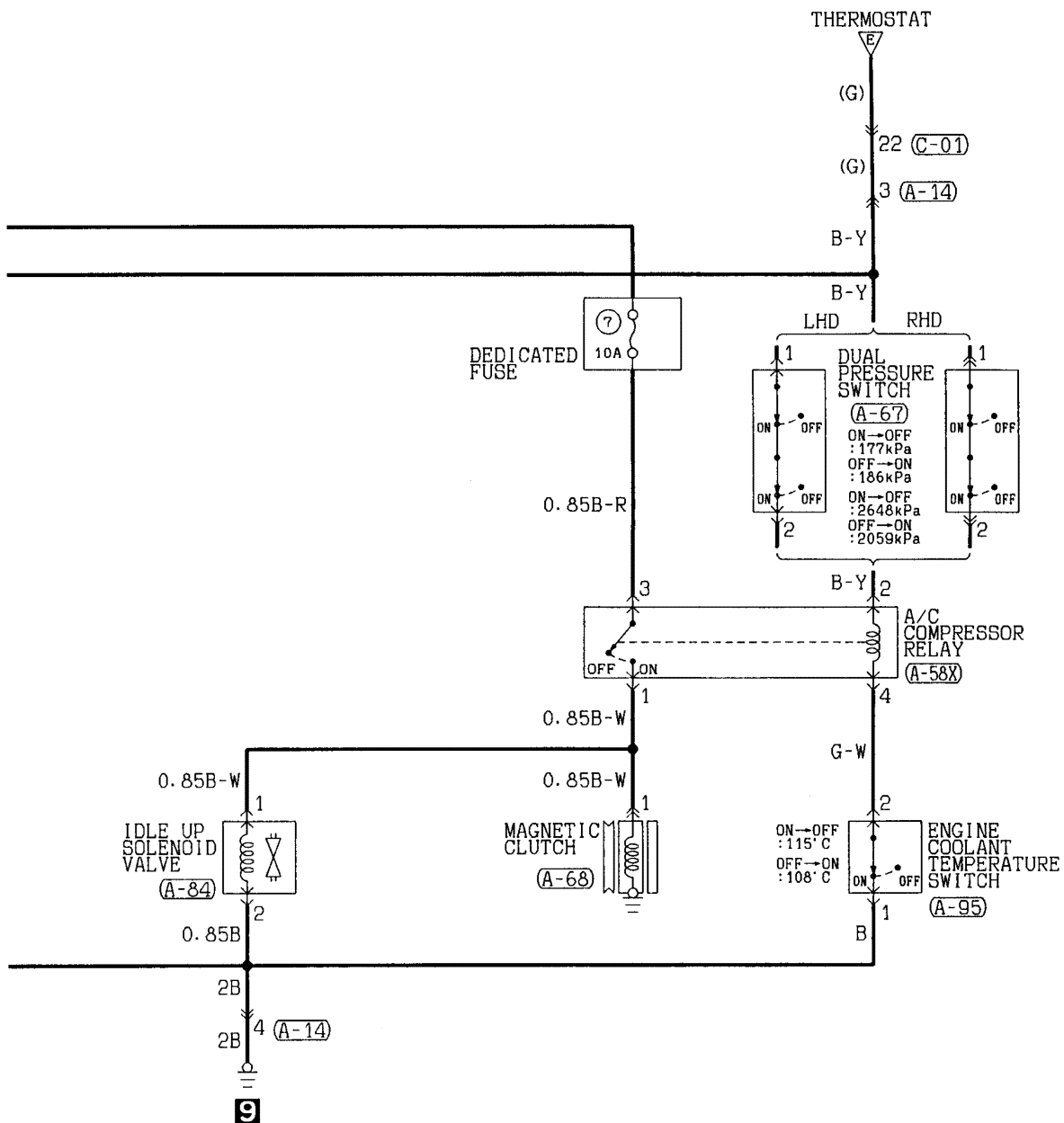
HP12E02AA





AIR CONDITIONER <Diesel-powered vehicles with M/T> (CONTINUED)

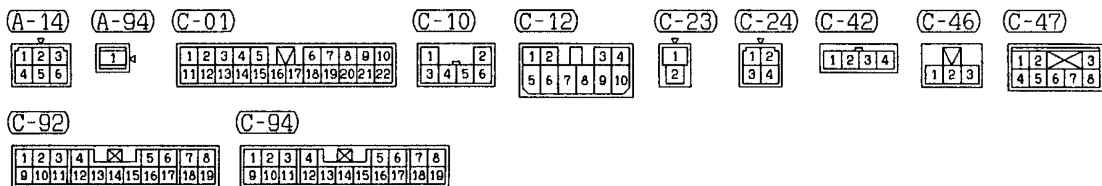
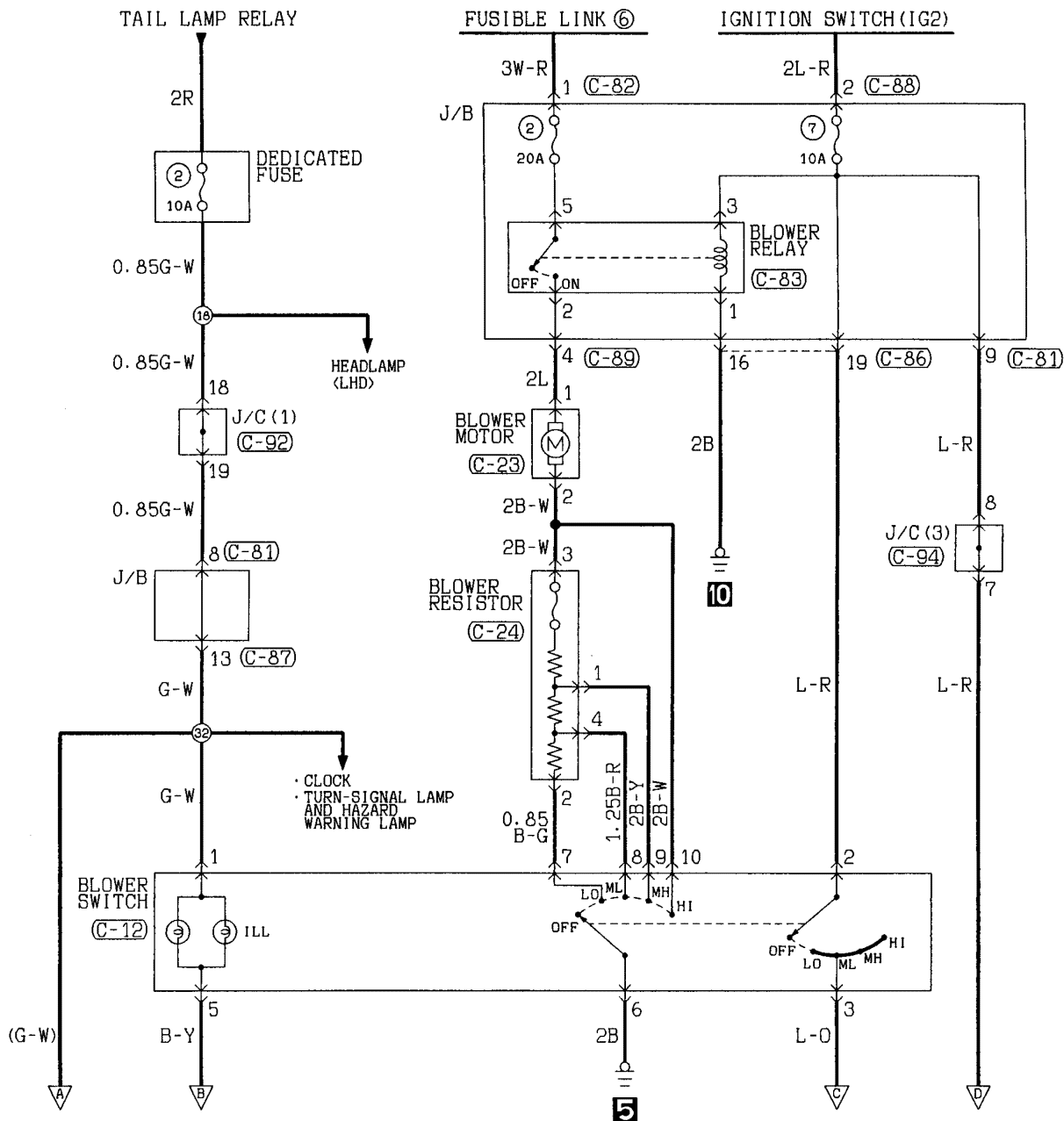




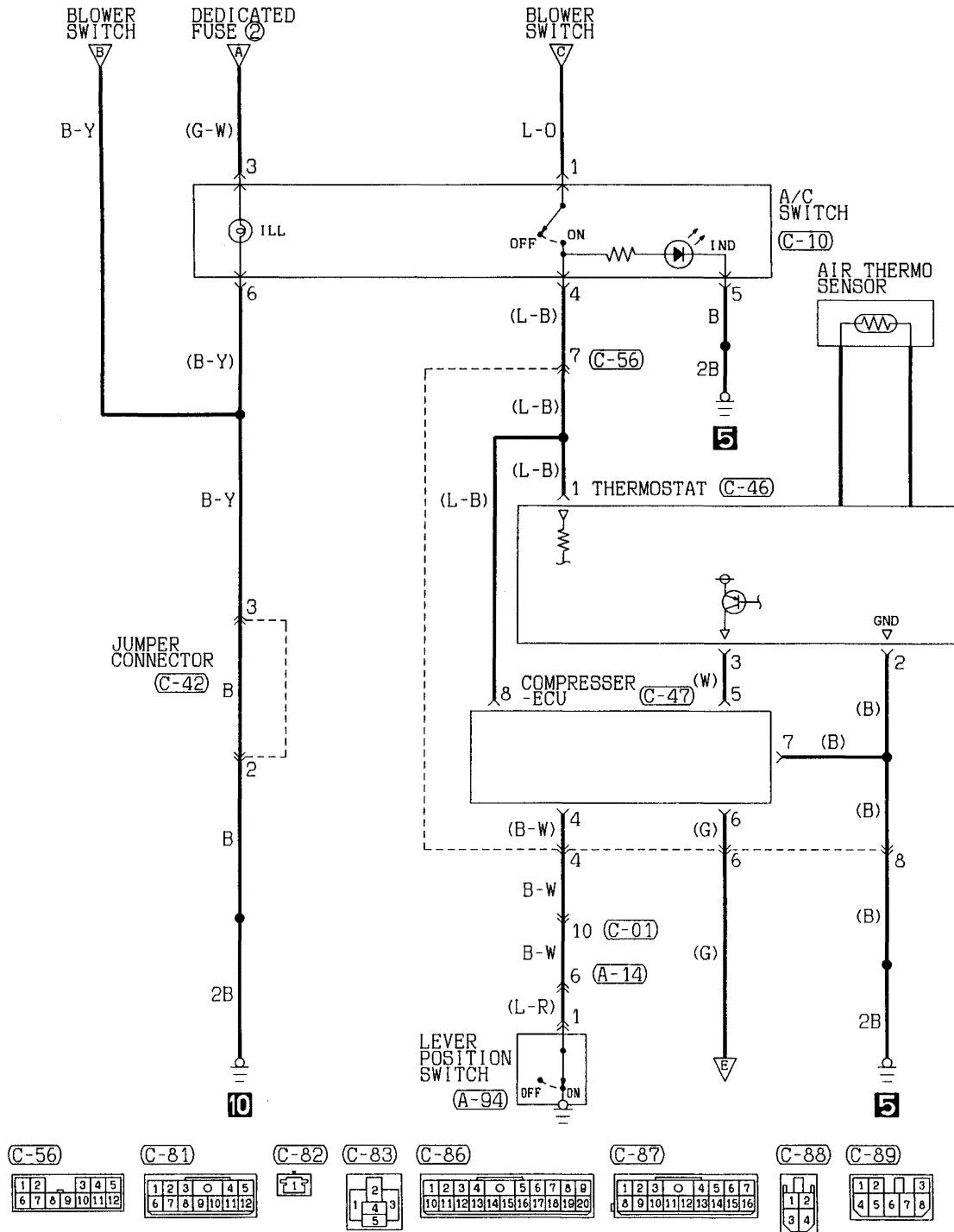
AIR CONDITIONER

90101280222

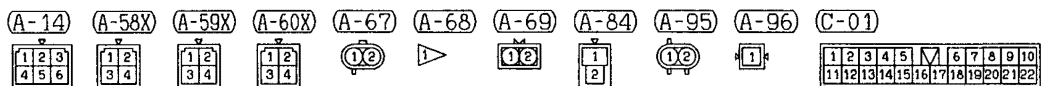
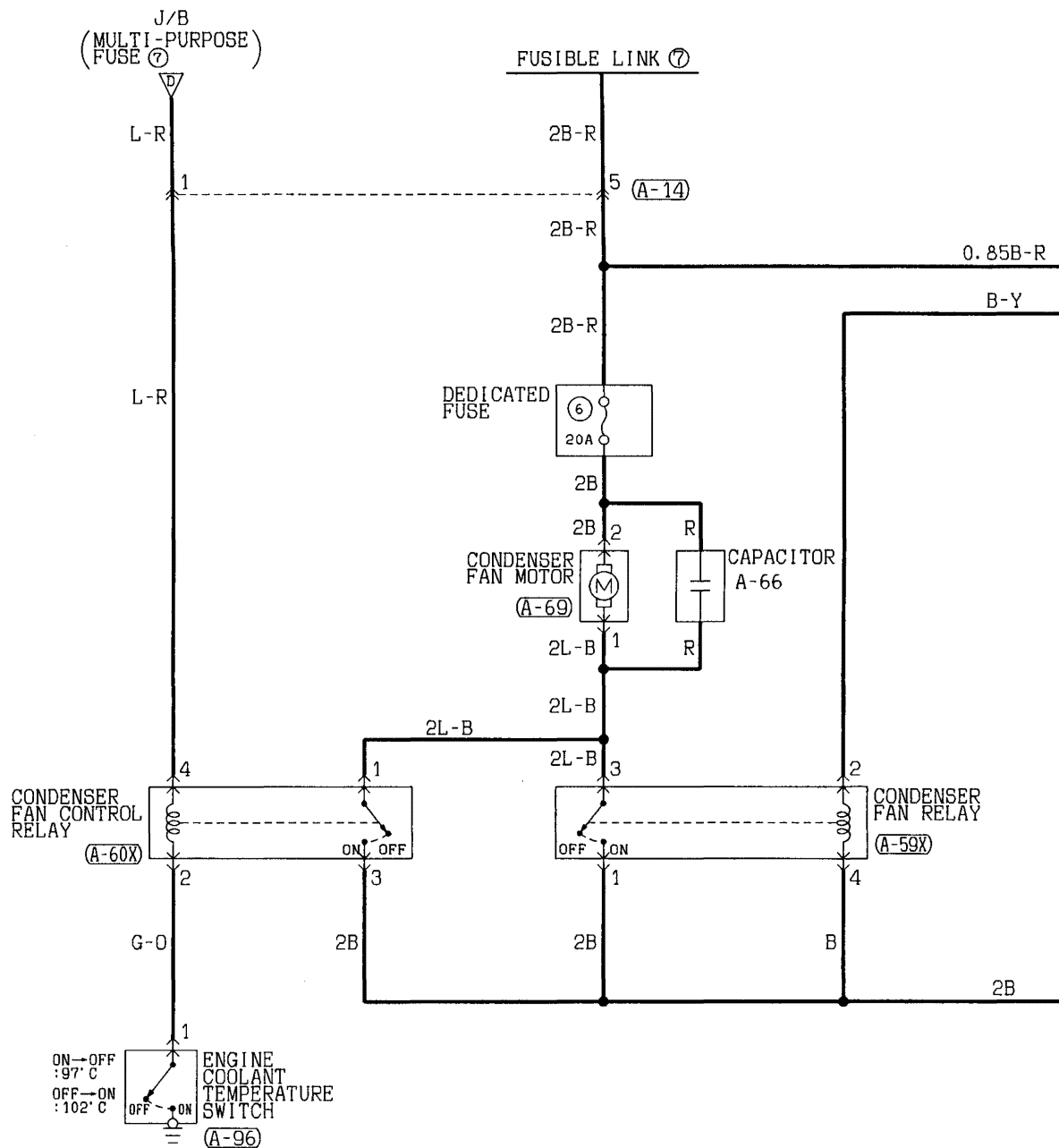
Diesel-powered vehicles with A/T

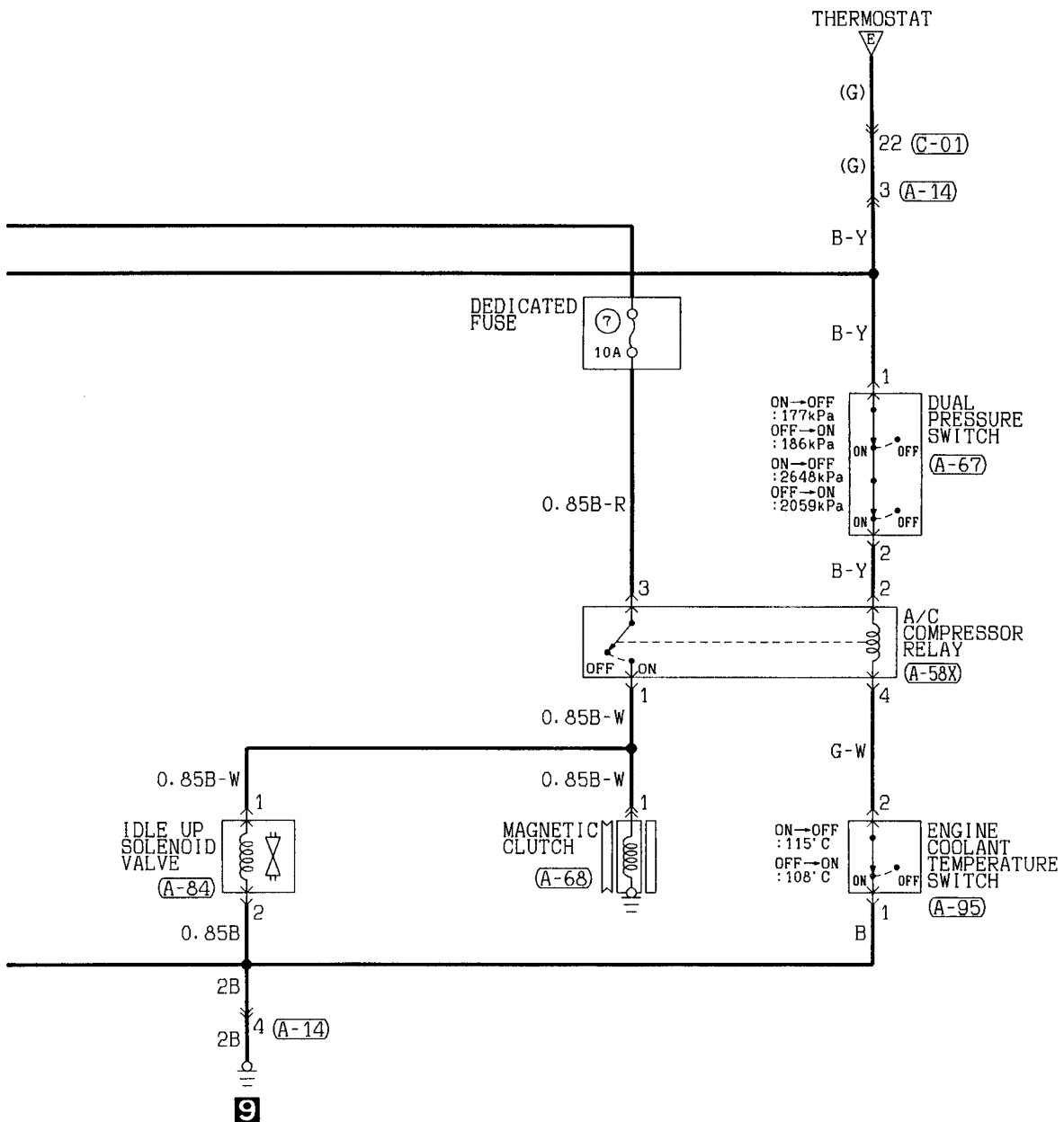


HP12E03AA



AIR CONDITIONER <Diesel-powered vehicles with A/T> (CONTINUED)

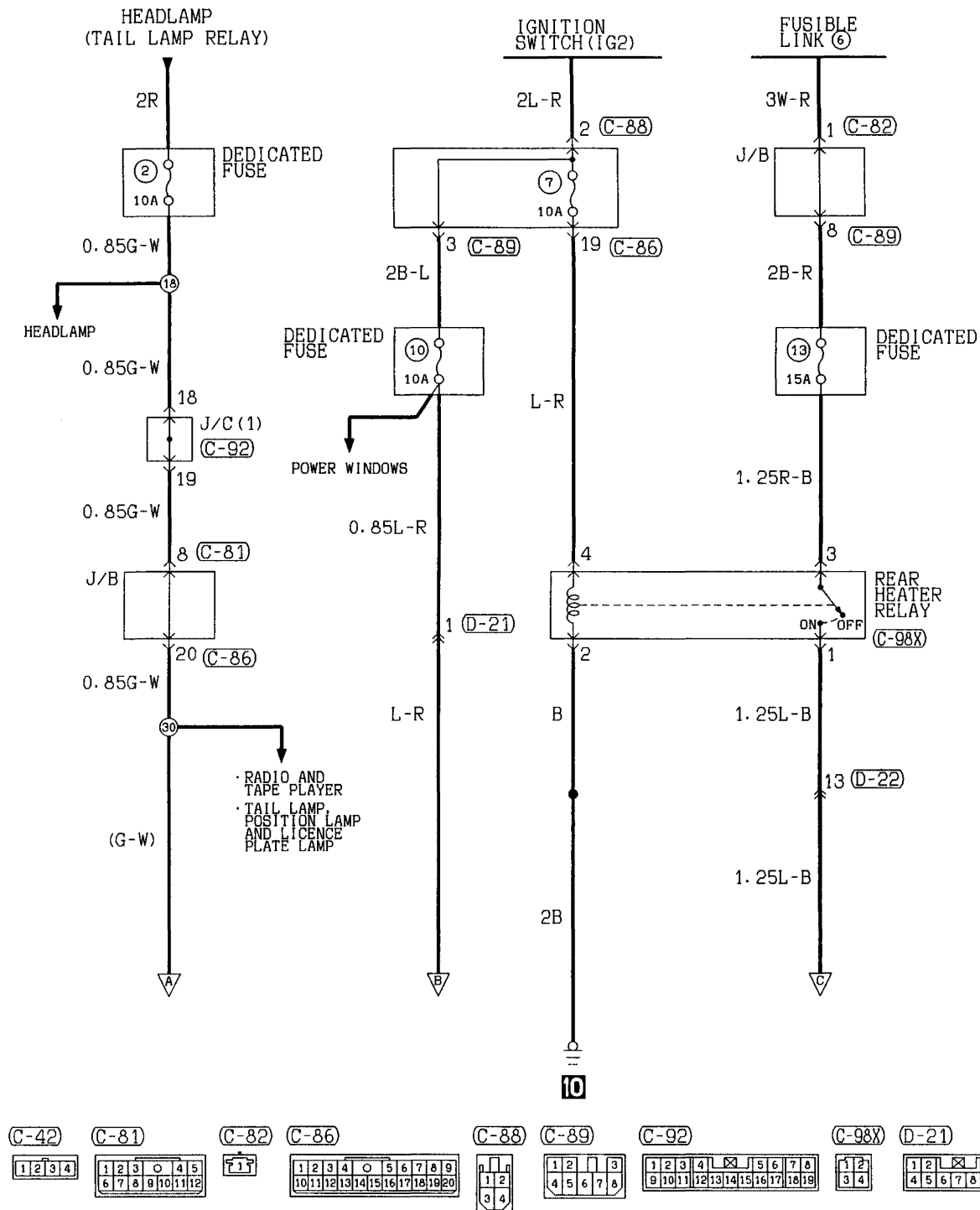




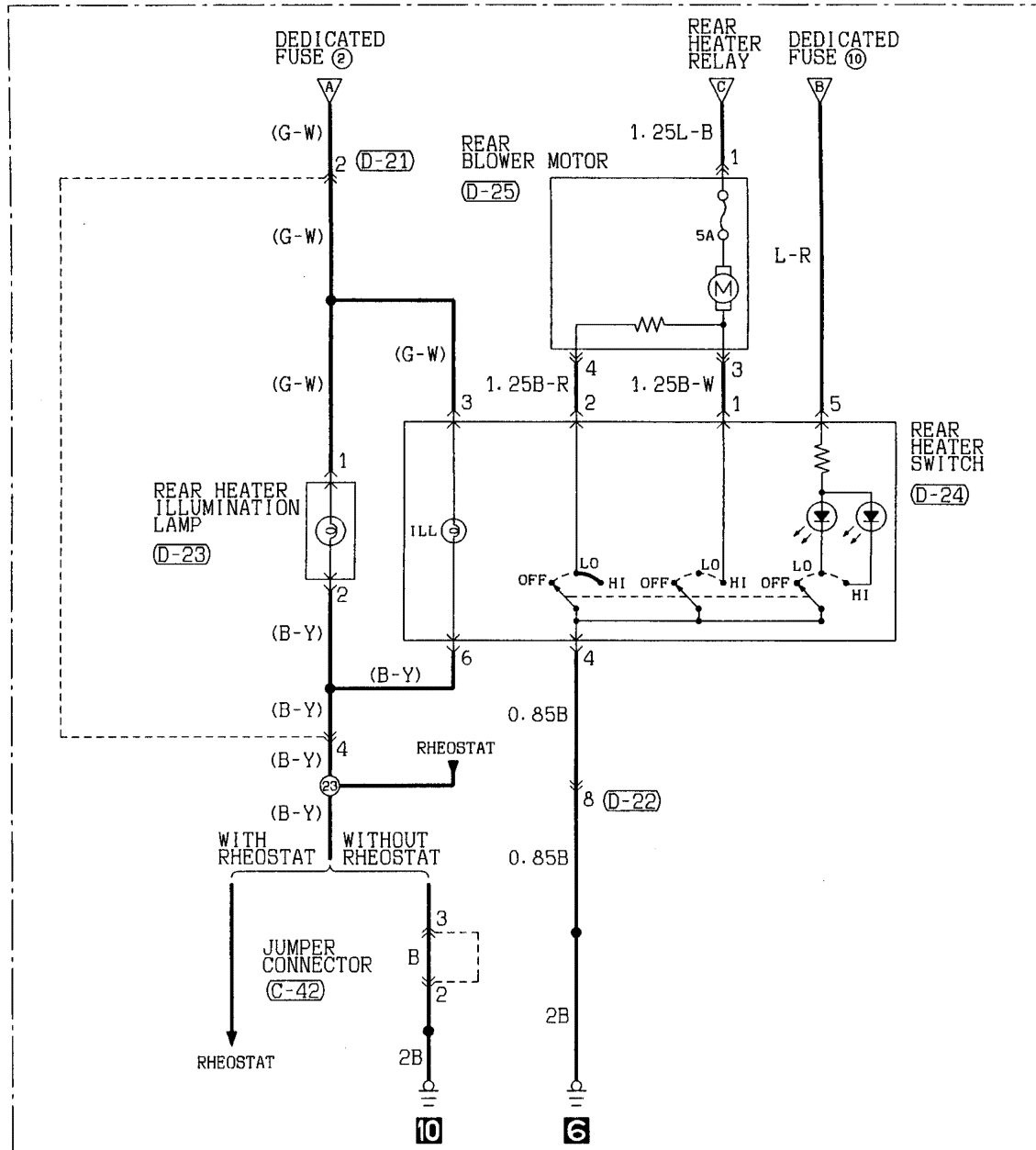
REAR HEATER

90101530037

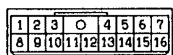
1998 Models



<VEHICLES WITHOUT HEATED SEAT>



(D-22)



(D-23)



(D-24)

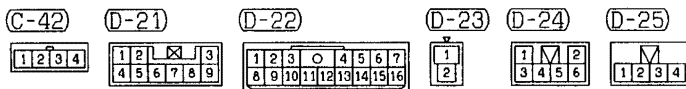
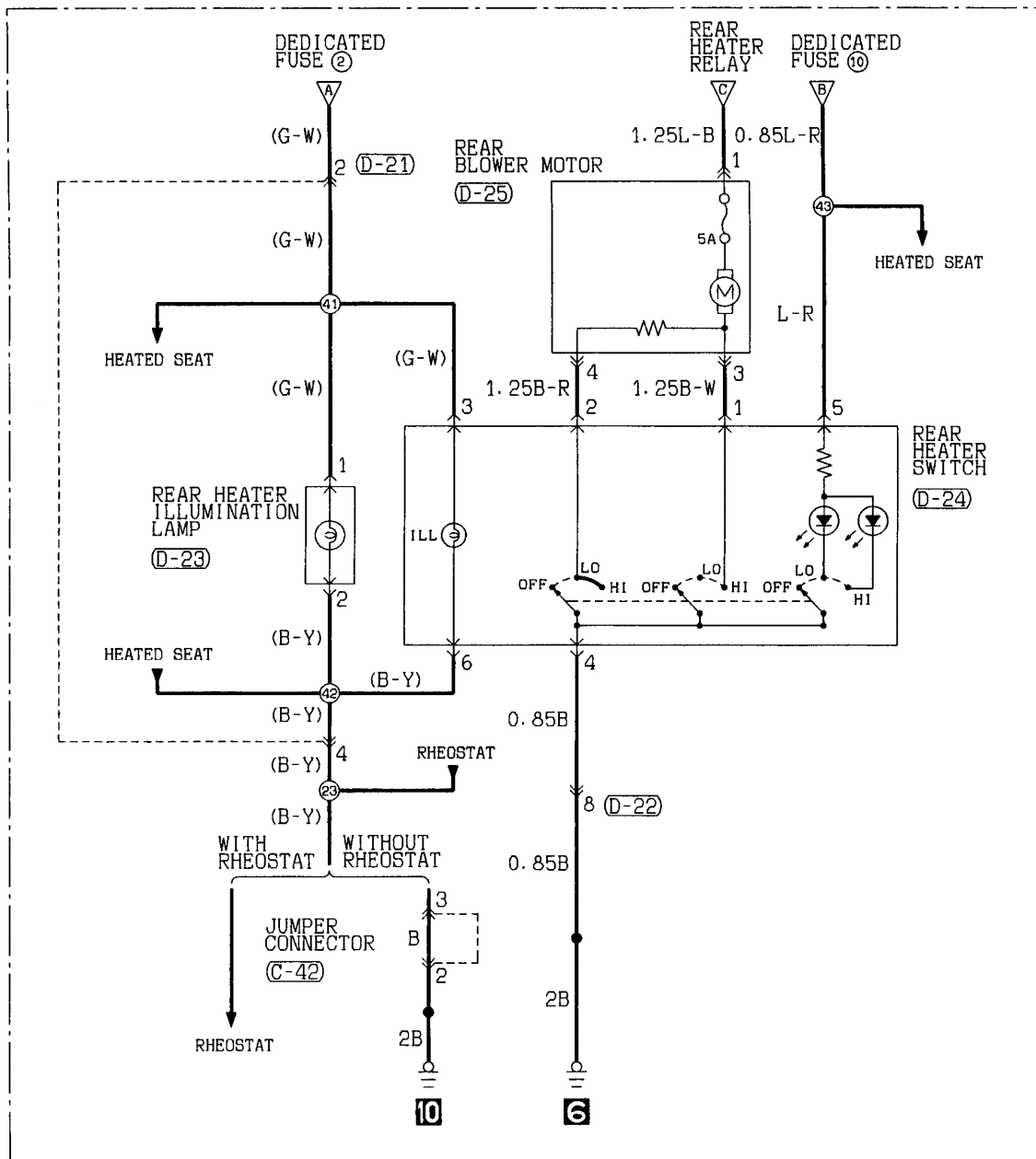


(D-25)



REAR HEATER <1998 Models> (CONTINUED)

<VEHICLES WITH HEATED SEAT>

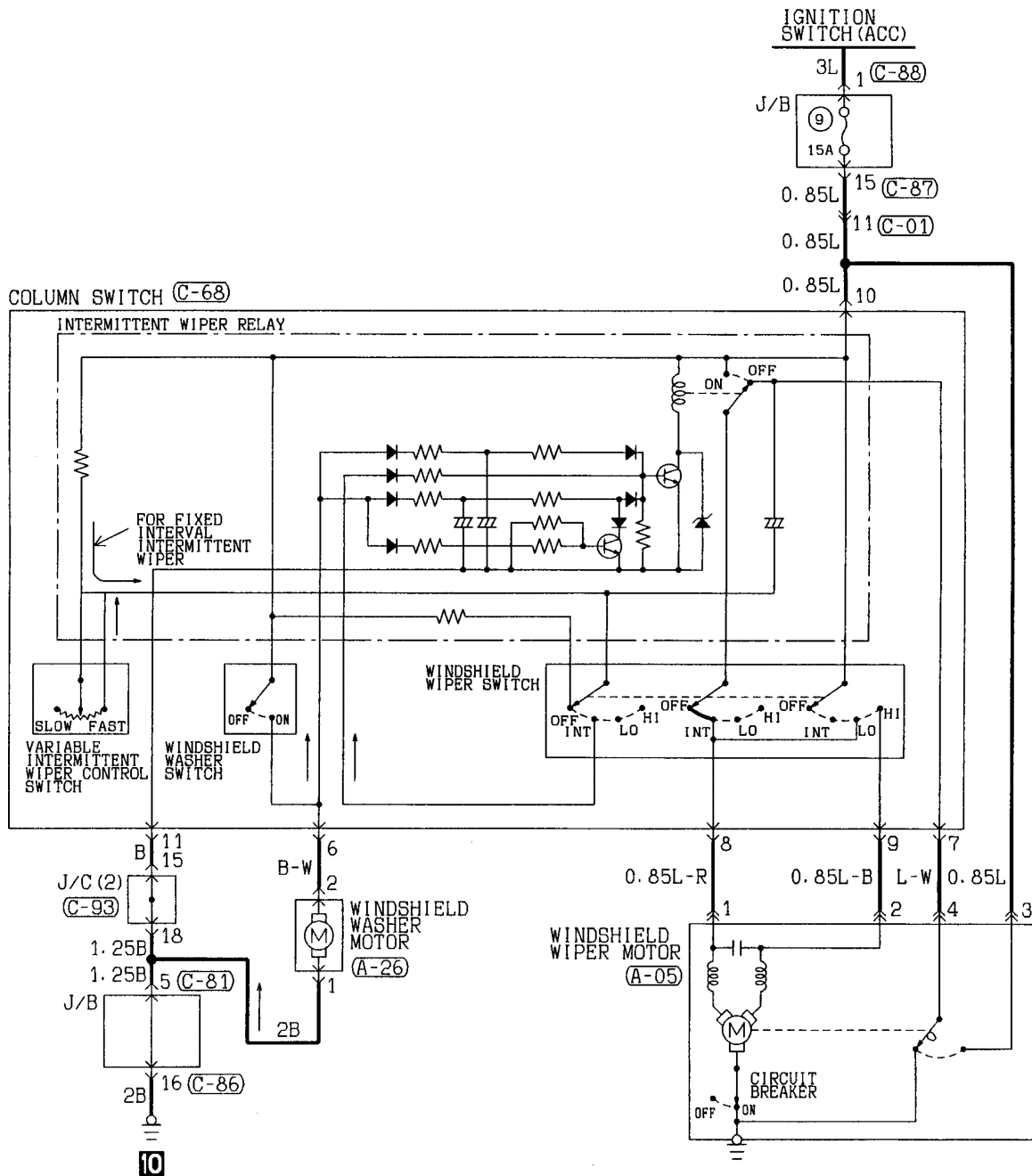


NOTES

WINDSHIELD WIPER AND WASHER

90100610220

L.H. drive vehicles



(A-05) (A-26) (C-01)

1	2
3	4

1
2

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

(C-68)

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

(C-81)

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

(C-86)

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

(C-87)

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

(C-88) (C-93)

1	2
3	4

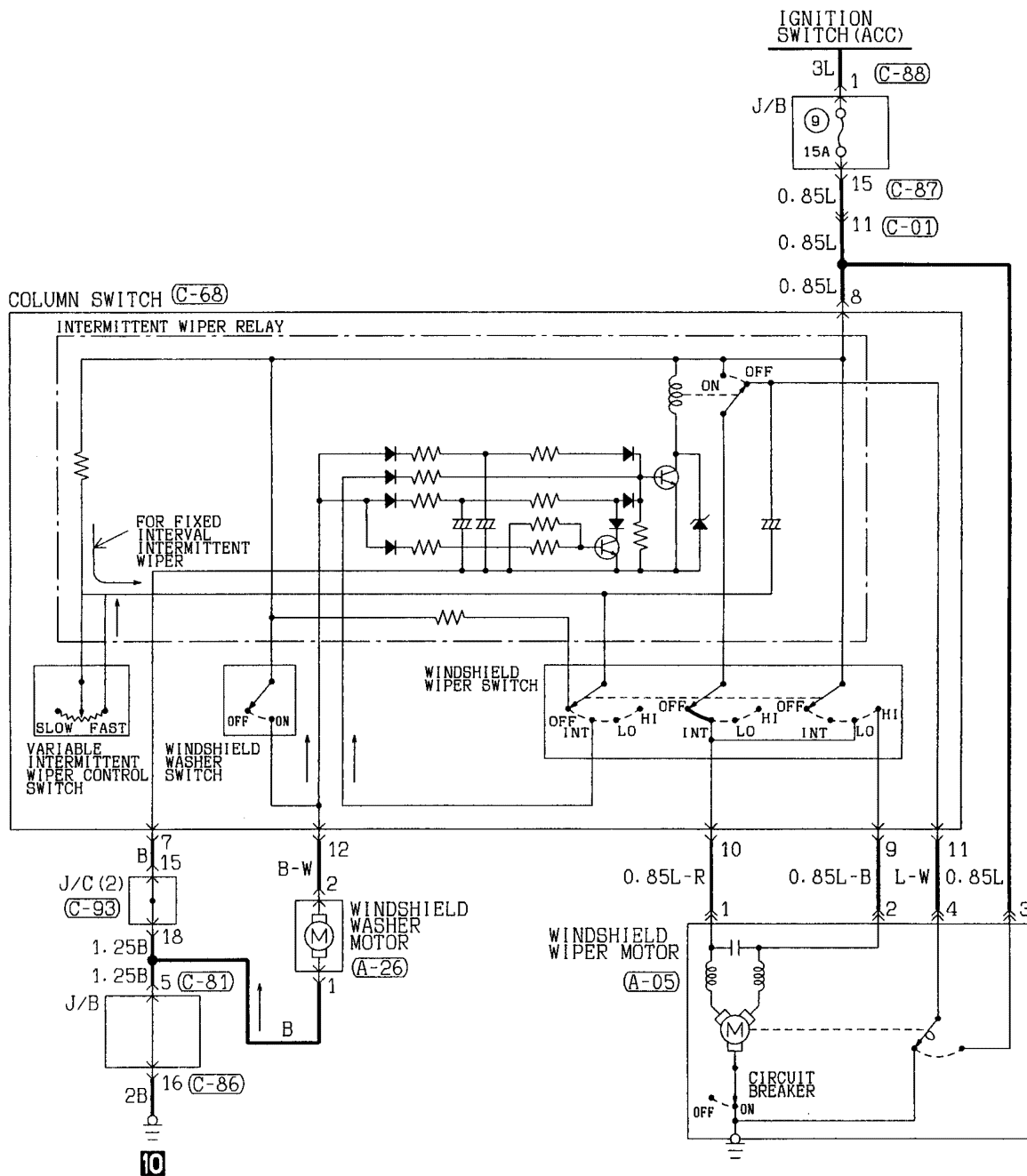
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19					

HP13E00AA

WINDSHIELD WIPER AND WASHER

90100610237

R.H. drive vehicles



(A-05) (A-26) (C-01)

1	2
3	4

1
2

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

(C-68)

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

(C-81)

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

(C-86)

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

(C-87)

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

(C-88) (C-93)

1
2
3
4

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

HP13E01AA

WINDSHIELD WIPER AND WASHER (See P. 4-186.)

90100610244

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

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

<Automatic wiper stopping operation>

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

<Intermittent wiper operation>

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

<Washer-activated wiper operation>

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

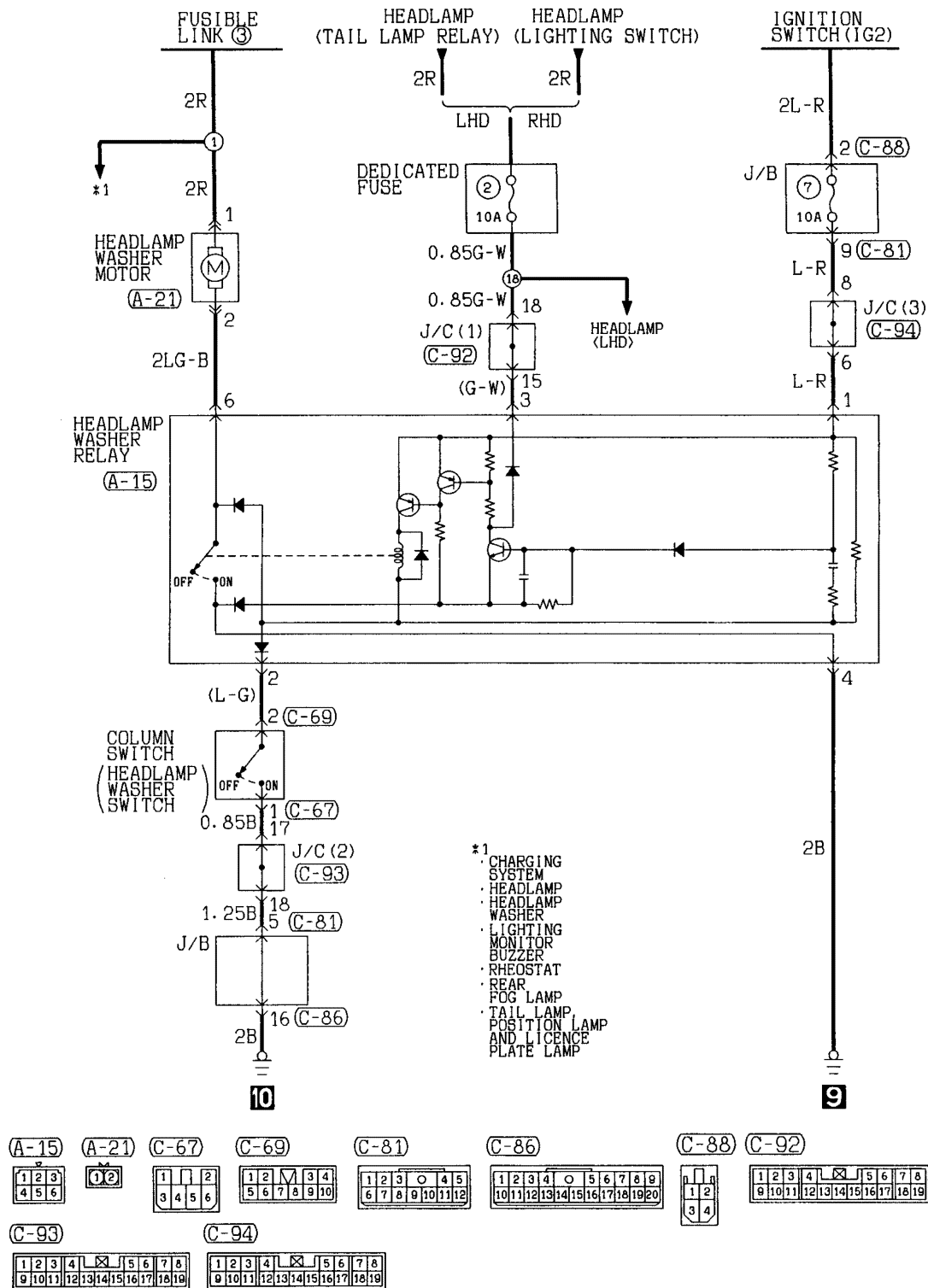
TROUBLESHOOTING HINTS

- Wipers do not operate.
 - Washer is not operative, either.
 - Check multi-purpose fuse No. (9).
 - Check earth.
- Low-speed (or high-speed) wiper operation only is inoperative.
 - Check wiper switch.
- Wipers do not stop.
 - Check wiper motor.
 - Check intermittent wiper relay.
 - Check wiper switch.
- Intermittent wiper operation is inoperative.
 - Check terminal voltage of steering-column switch (with a built-in intermittent wiper relay) with the intermittent wiper relay energized. (see below)
- The length of pause for intermittent operation cannot be varied.
 - Check variable intermittent wiper control switch.
 - Check intermittent wiper relay.
- Washer is inoperative.
 - Wiper is operative on washer-activated wiper operation.
 - Check washer motor.
 - Washer-activated wiper operation is inoperative also.
 - Check washer switch.
- Washer-activated wiper operation is inoperative.
 - Check intermittent wiper relay.

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

HEADLAMP WASHER

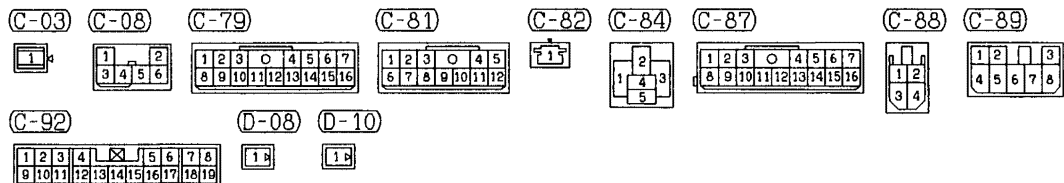
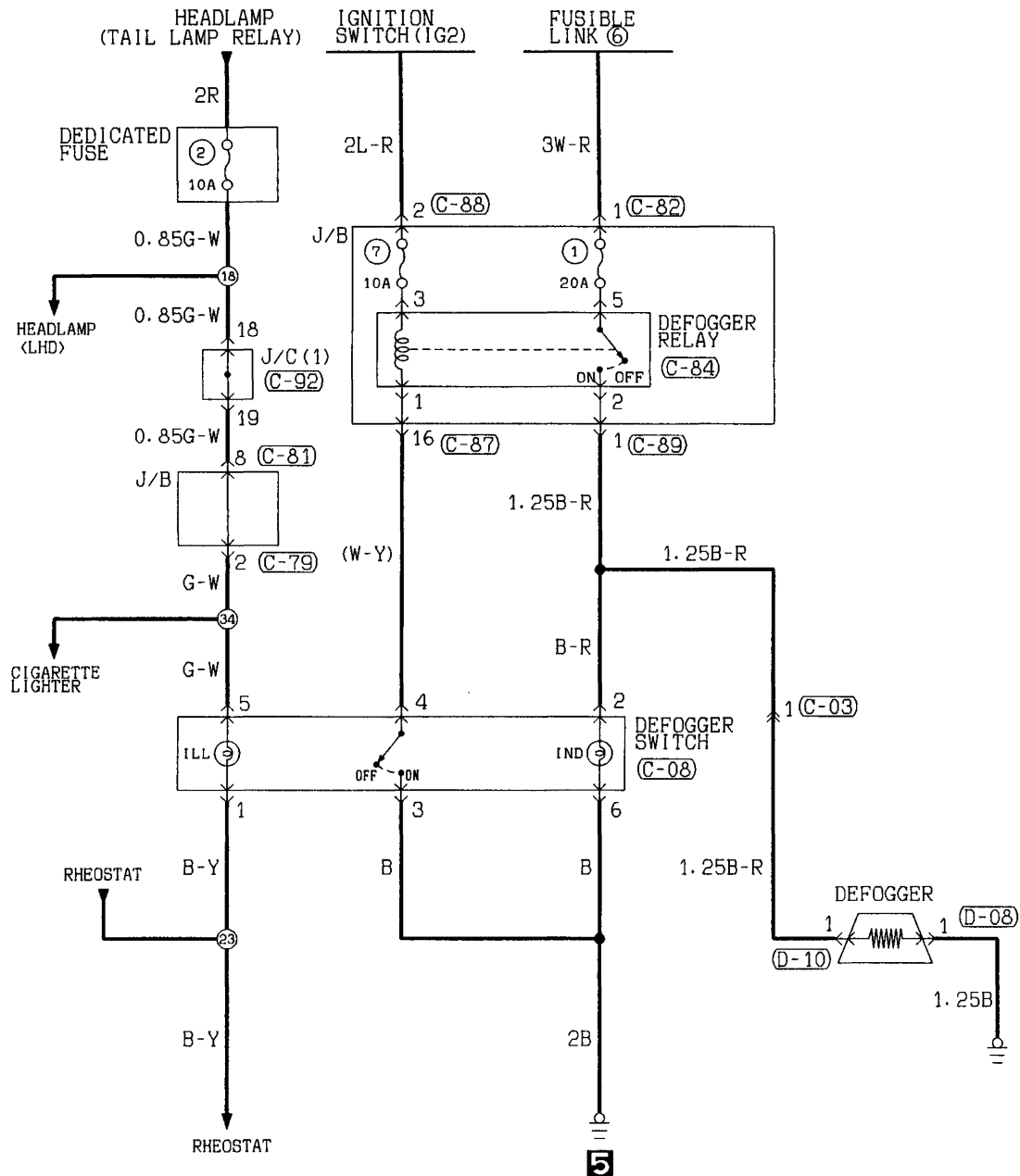
90100630097



DEFOGGER

90100640151

1997 Models



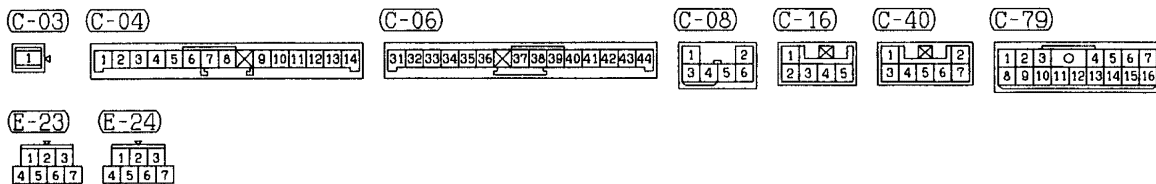
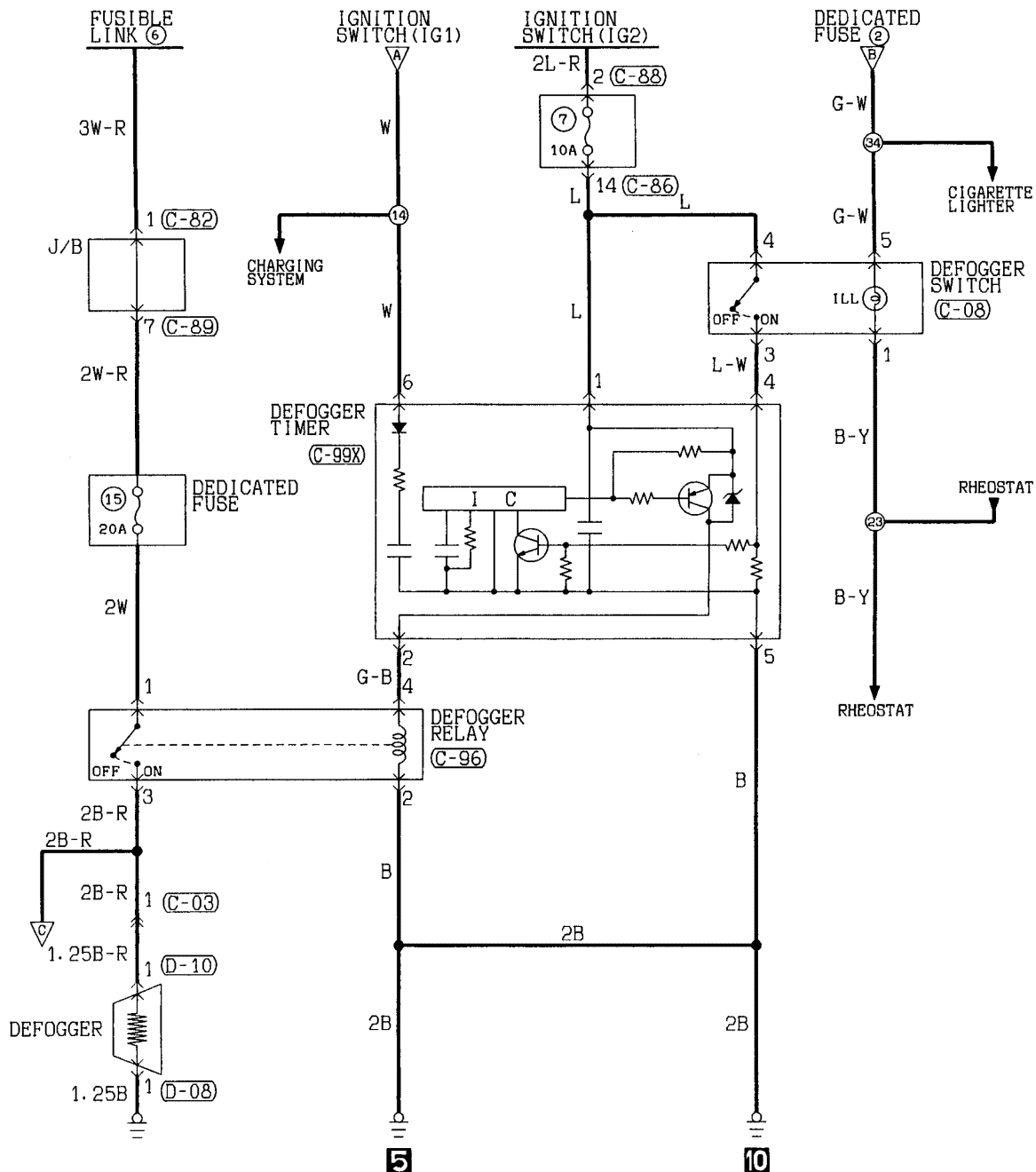
HP13E03AA

NOTES

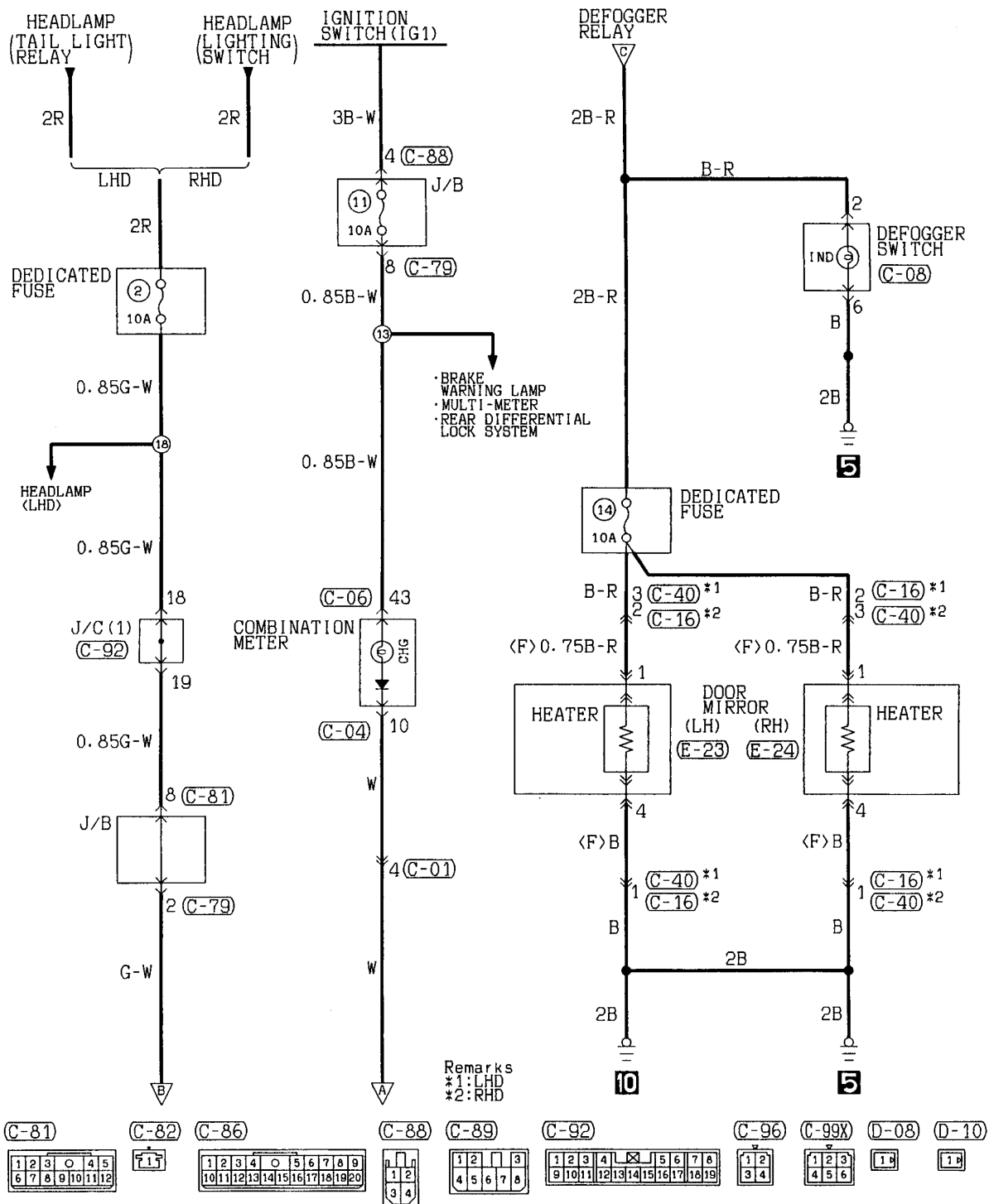
DEFOGGER AND DOOR MIRROR HEATER

90100640458

Vehicles with Defogger timer <1998 Models>



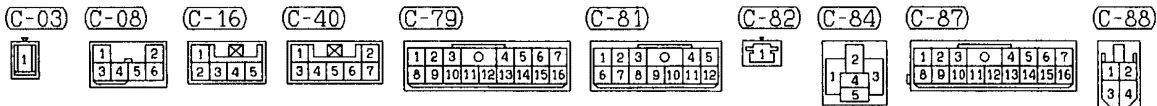
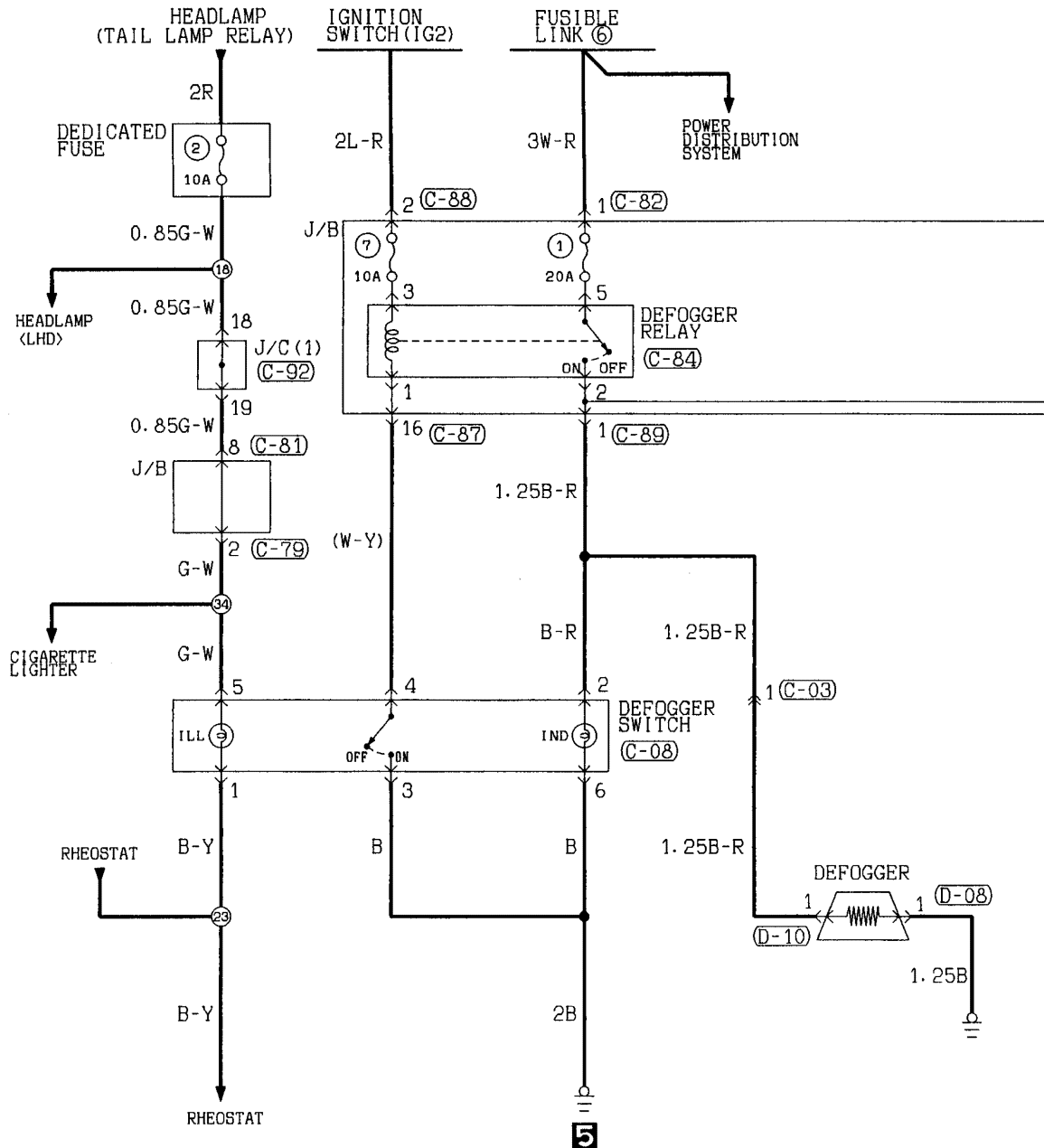
8P13E00AA

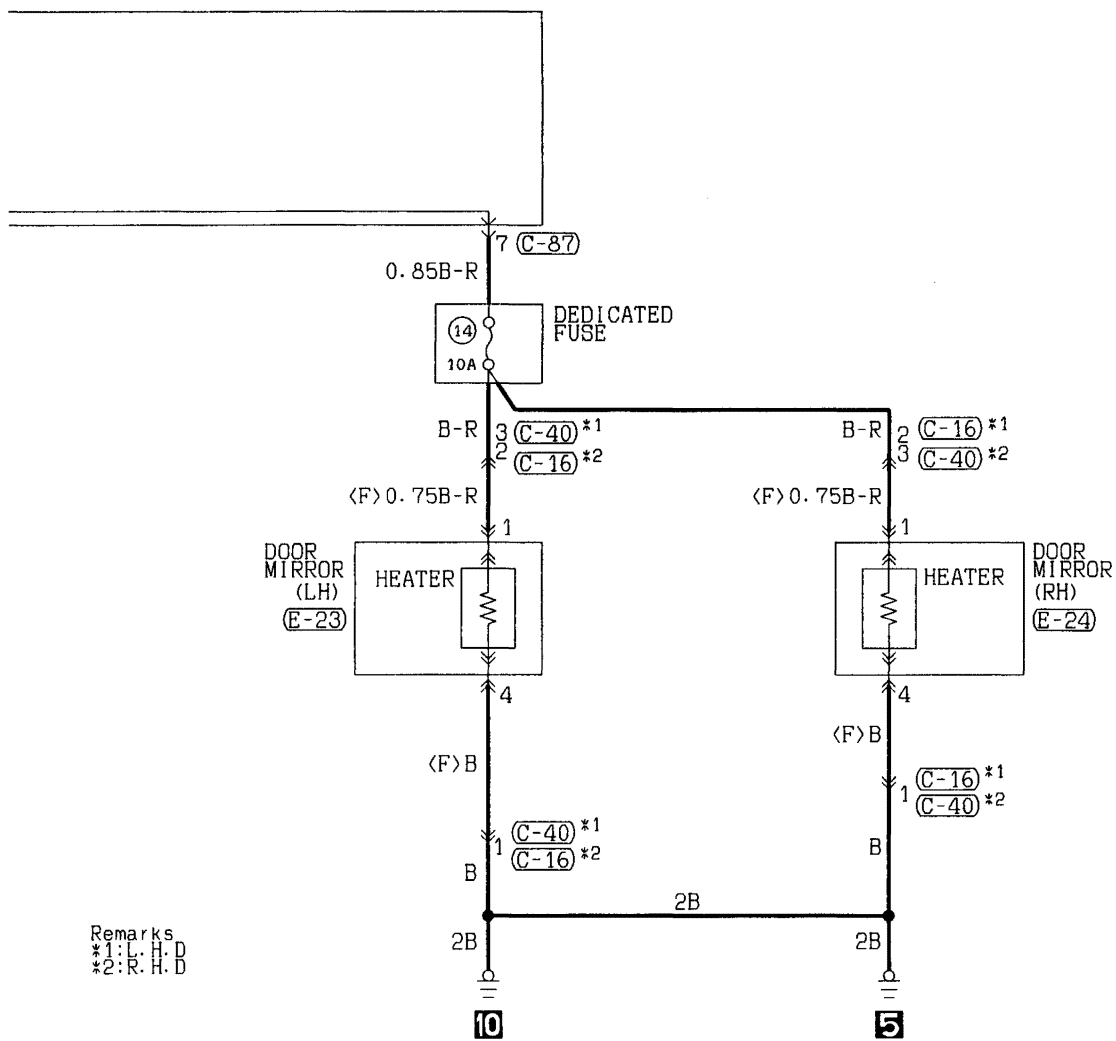


DEFOGGER AND DOOR MIRROR HEATER

90100640465

Vehicles without Defogger timer <1998 Models>





C-89

1	2	3	4
5	6	7	8

C-92

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

D-08

1	2
---	---

D-10

1	2
---	---

E-23

IV			
1	2	3	
4	5	6	7

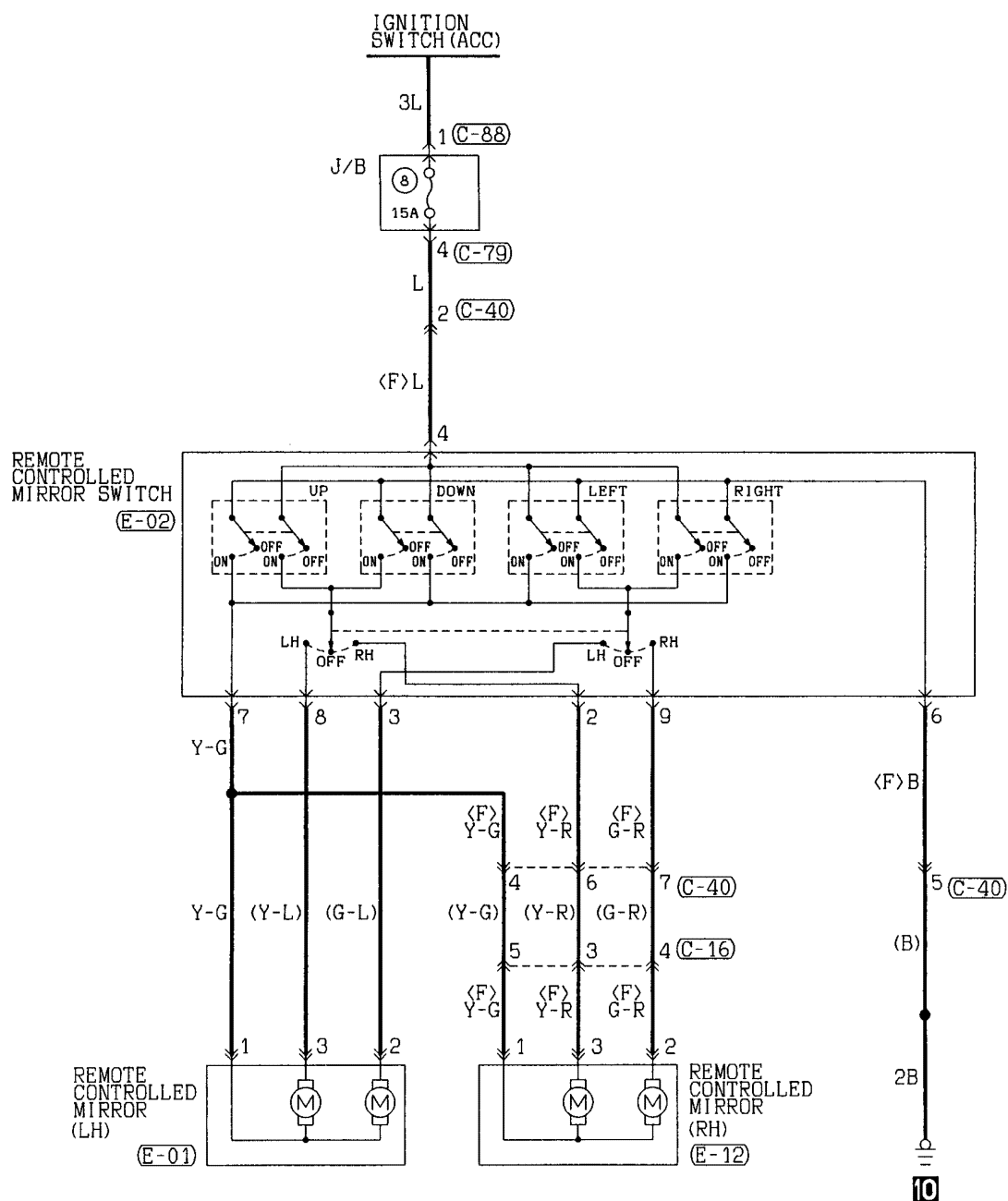
E-24

1	2	3	
4	5	6	7

REMOTE CONTROLLED MIRROR

90100650185

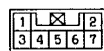
L.H. drive vehicles <1997 Models>



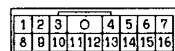
(C-16)



(C-40)



(C-79)



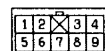
(C-88)



(E-01)



(E-02)



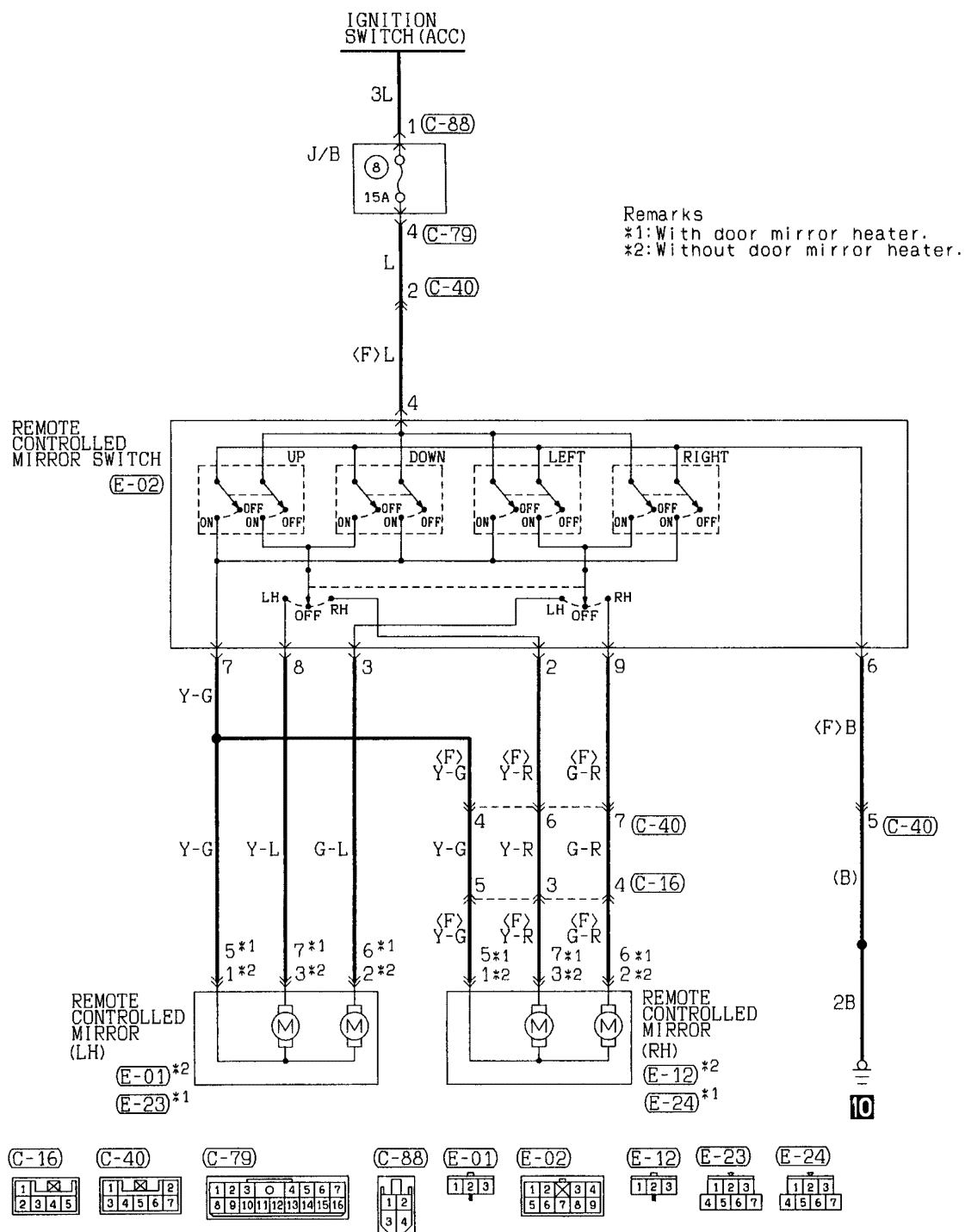
(E-12)



REMOTE CONTROLLED MIRROR

90100650437

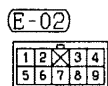
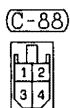
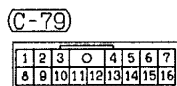
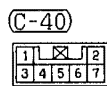
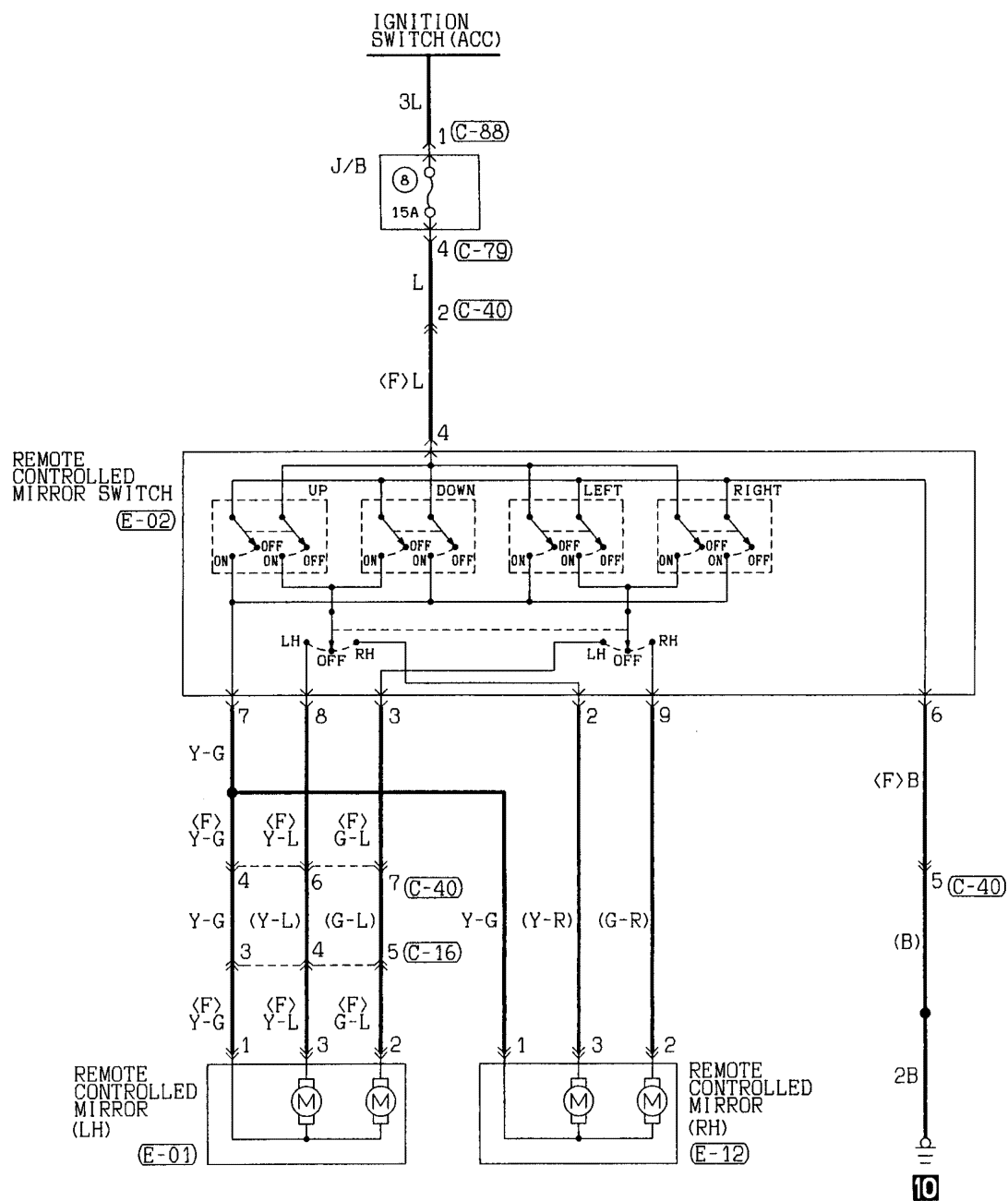
L.H. drive vehicles <1998 Models>



REMOTE CONTROLLED MIRROR

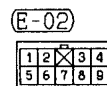
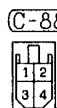
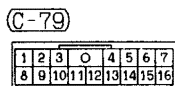
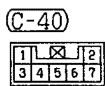
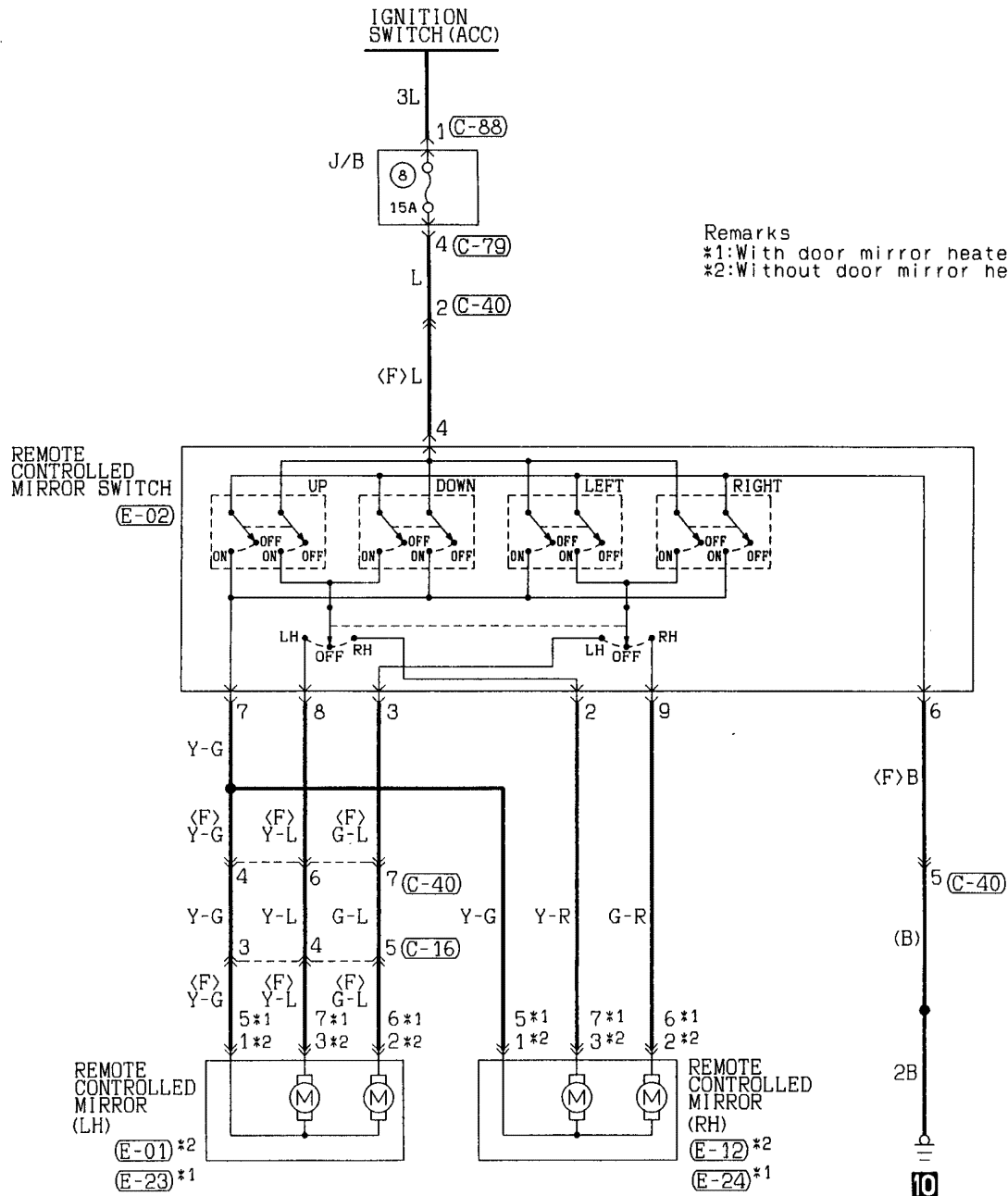
90100650192

R.H. drive vehicles <1997 Models>



REMOTE CONTROLLED MIRROR

R.H. drive vehicles <1998 Models>



REMOTE CONTROLLED MIRROR (See P. 4-196, 197, 198, 199.)

90100650178

OPERATION

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

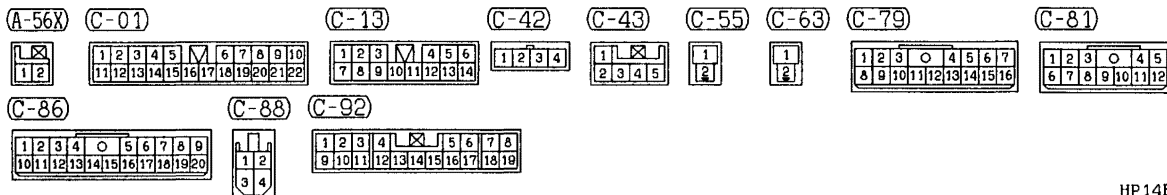
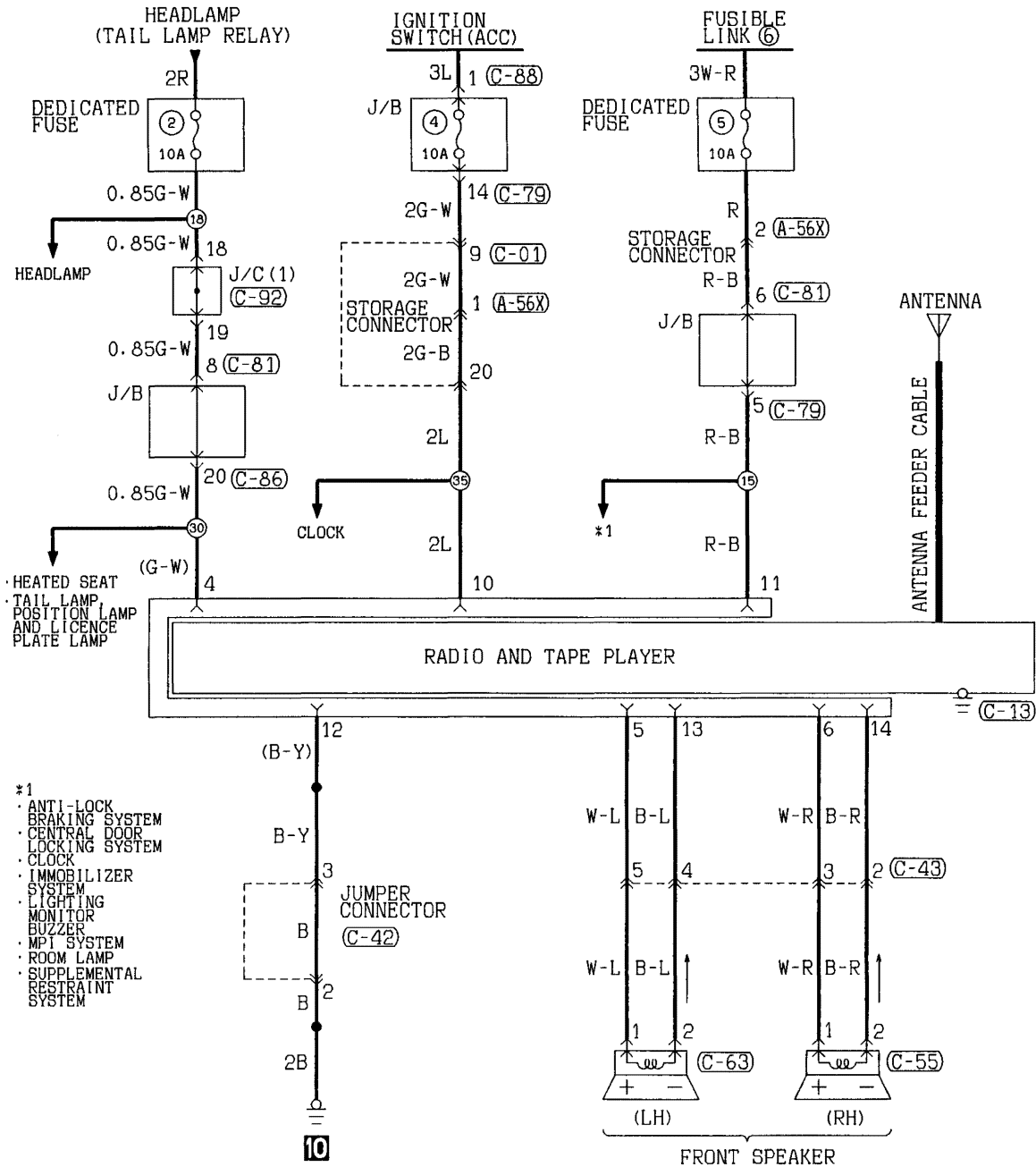
TROUBLESHOOTING HINTS

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

NOTES

RADIO AND TAPE PLAYER

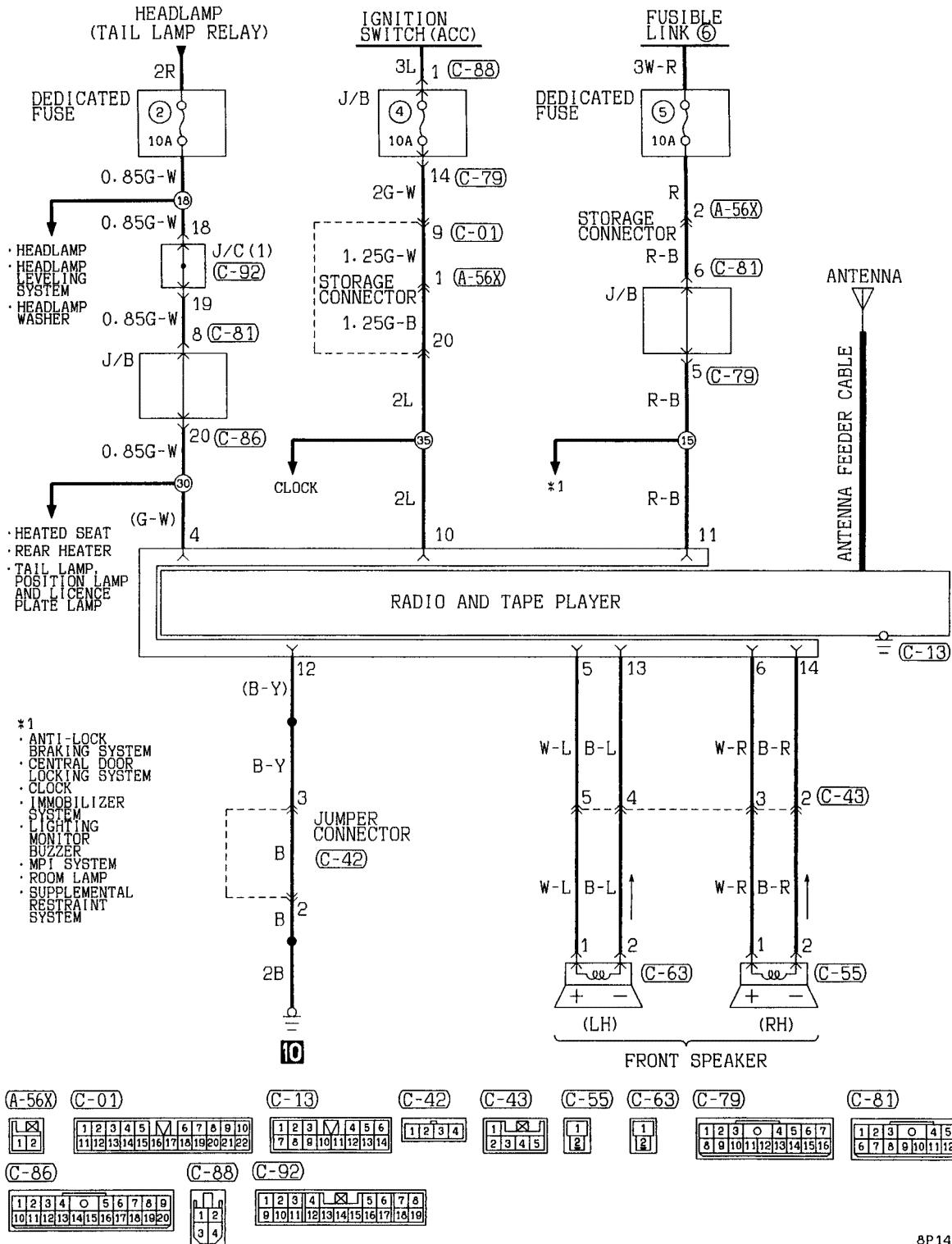
L.H. drive vehicles with single cab and club cab <1997 Models>



RADIO AND TAPE PLAYER

90100721018

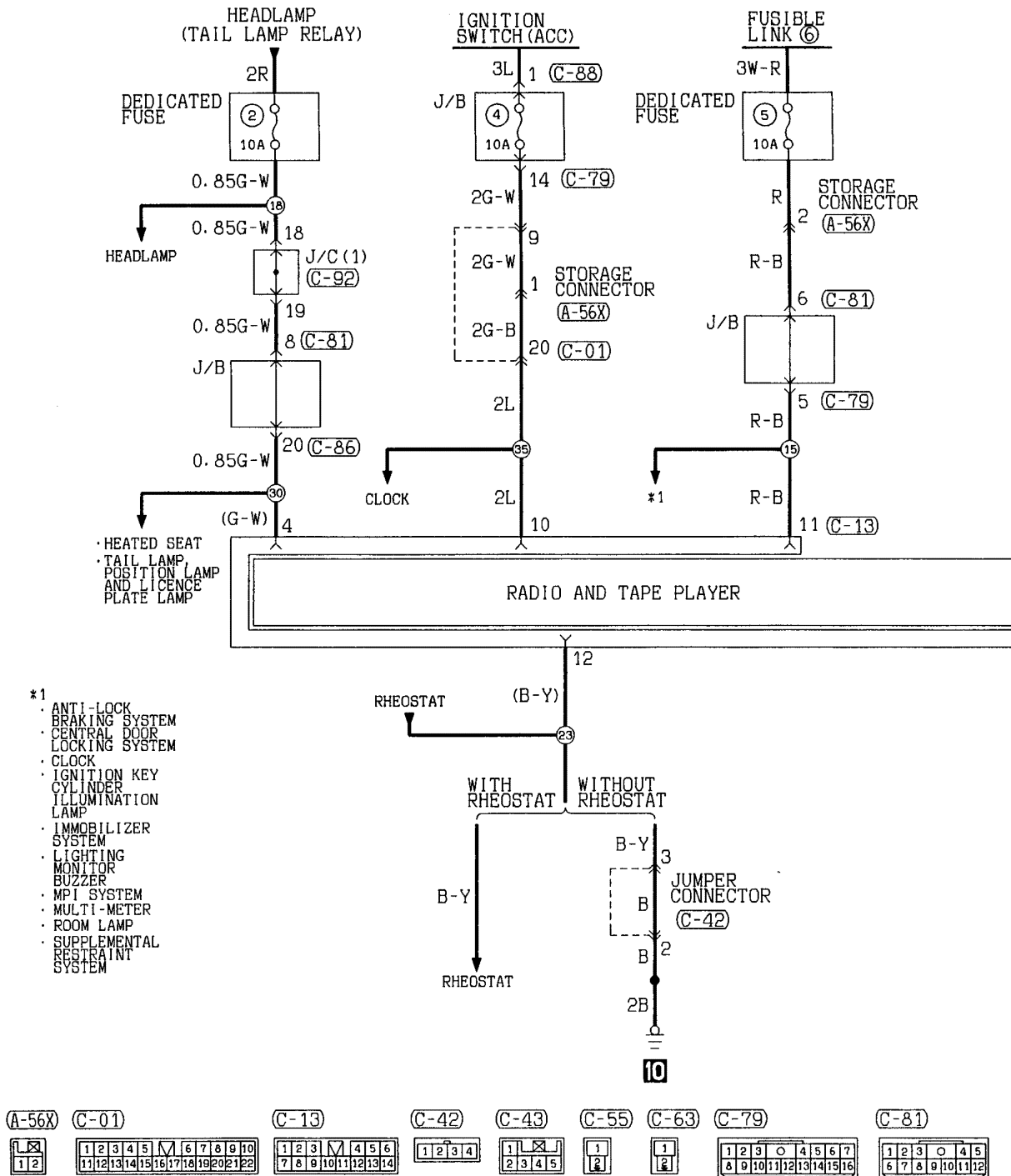
L.H. drive vehicles with single cab and club cab <1998 Models>

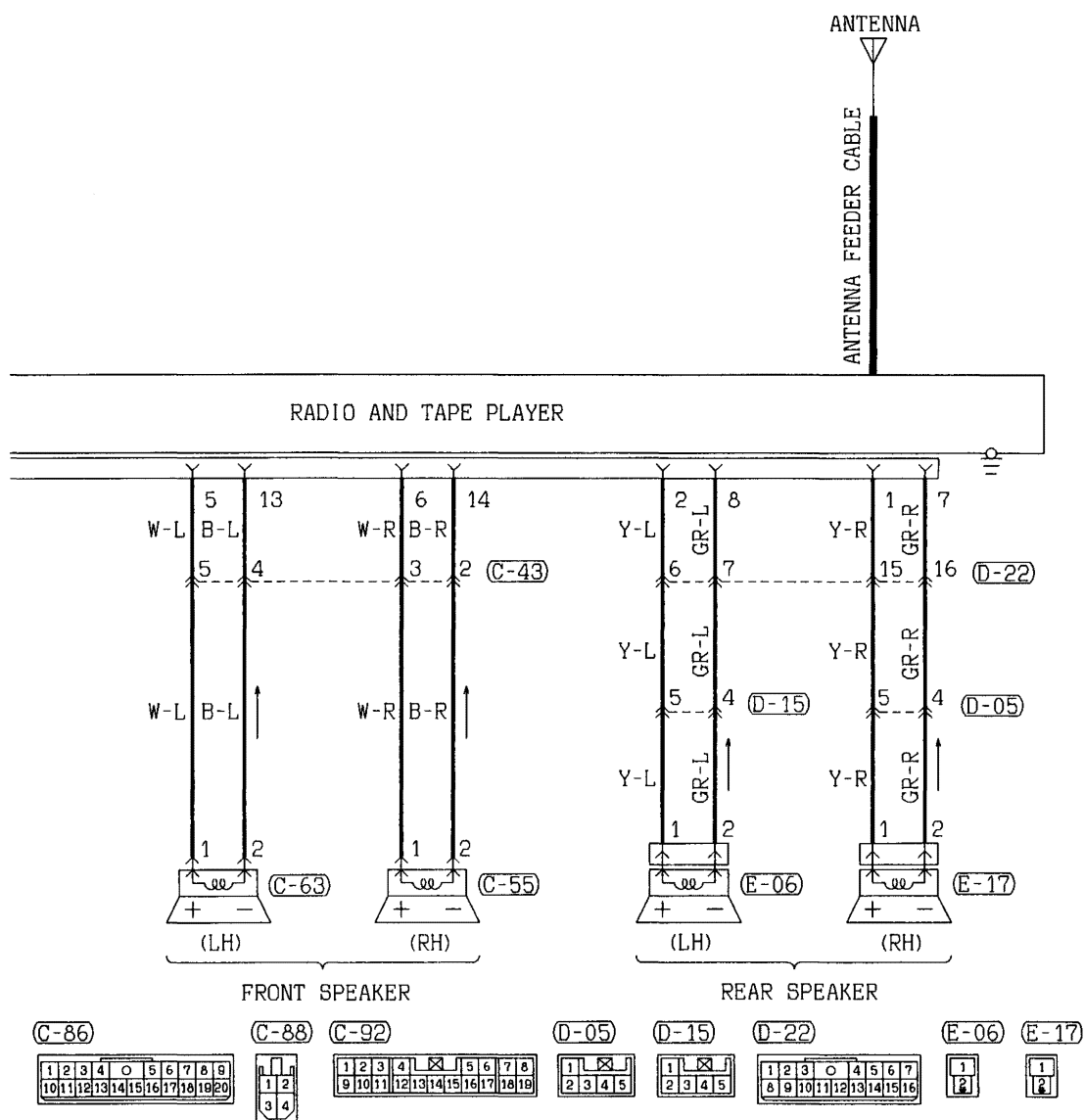


RADIO AND TAPE PLAYER

90100720343

L.H. drive vehicles with double cab <1997 Models>

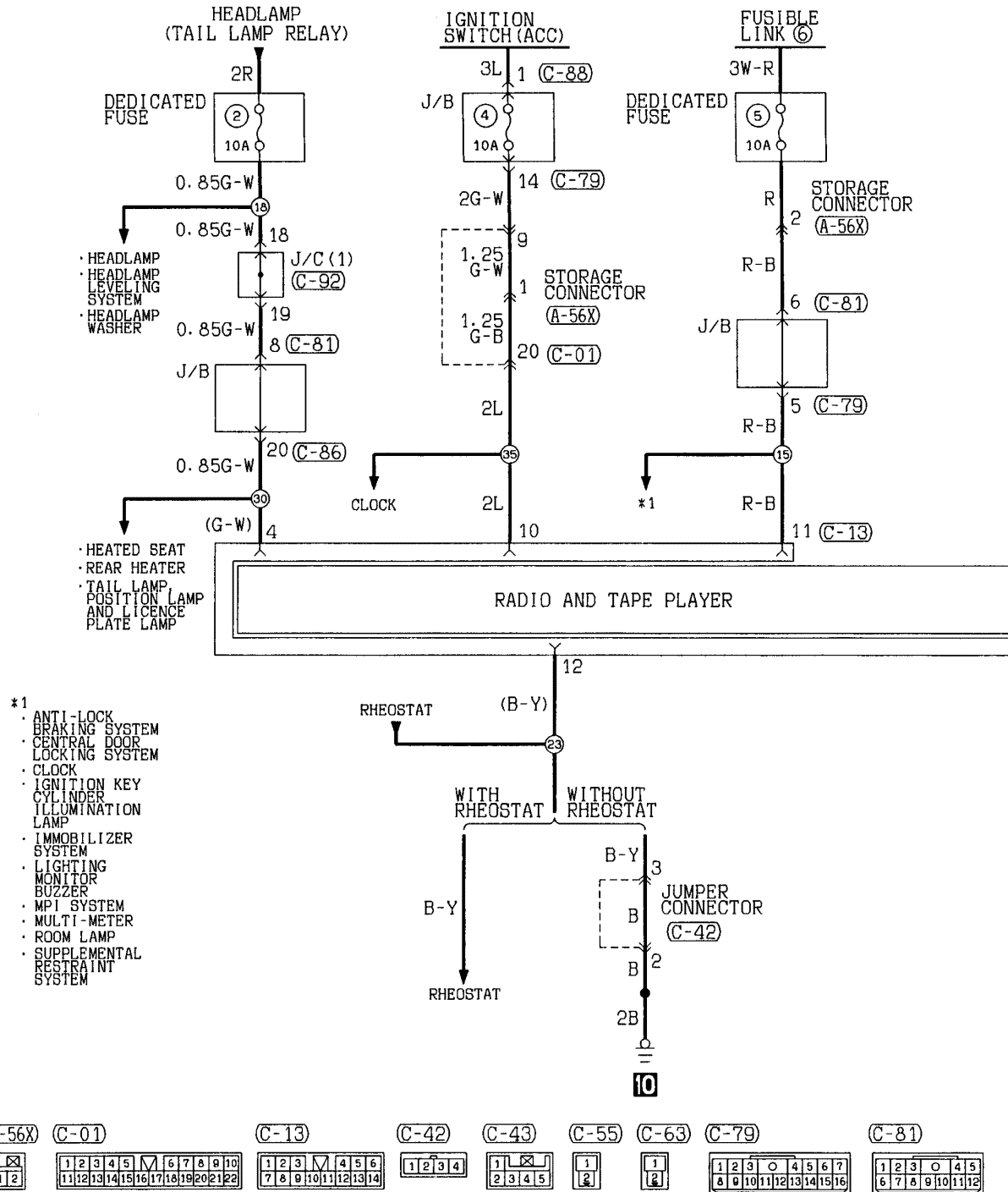


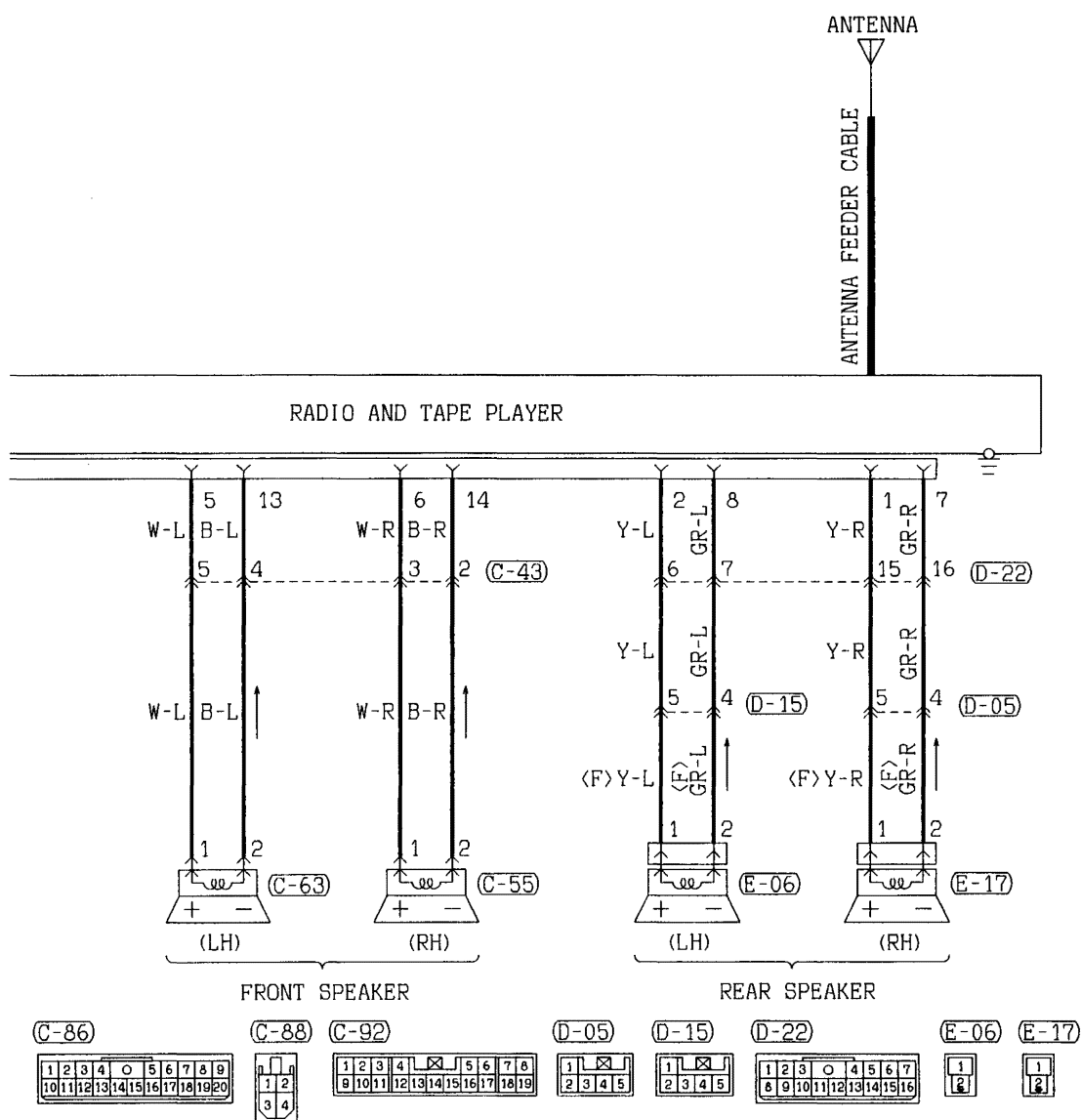


RADIO AND TAPE PLAYER

90100721023

L.H. drive vehicles with double cab <1998 Models>

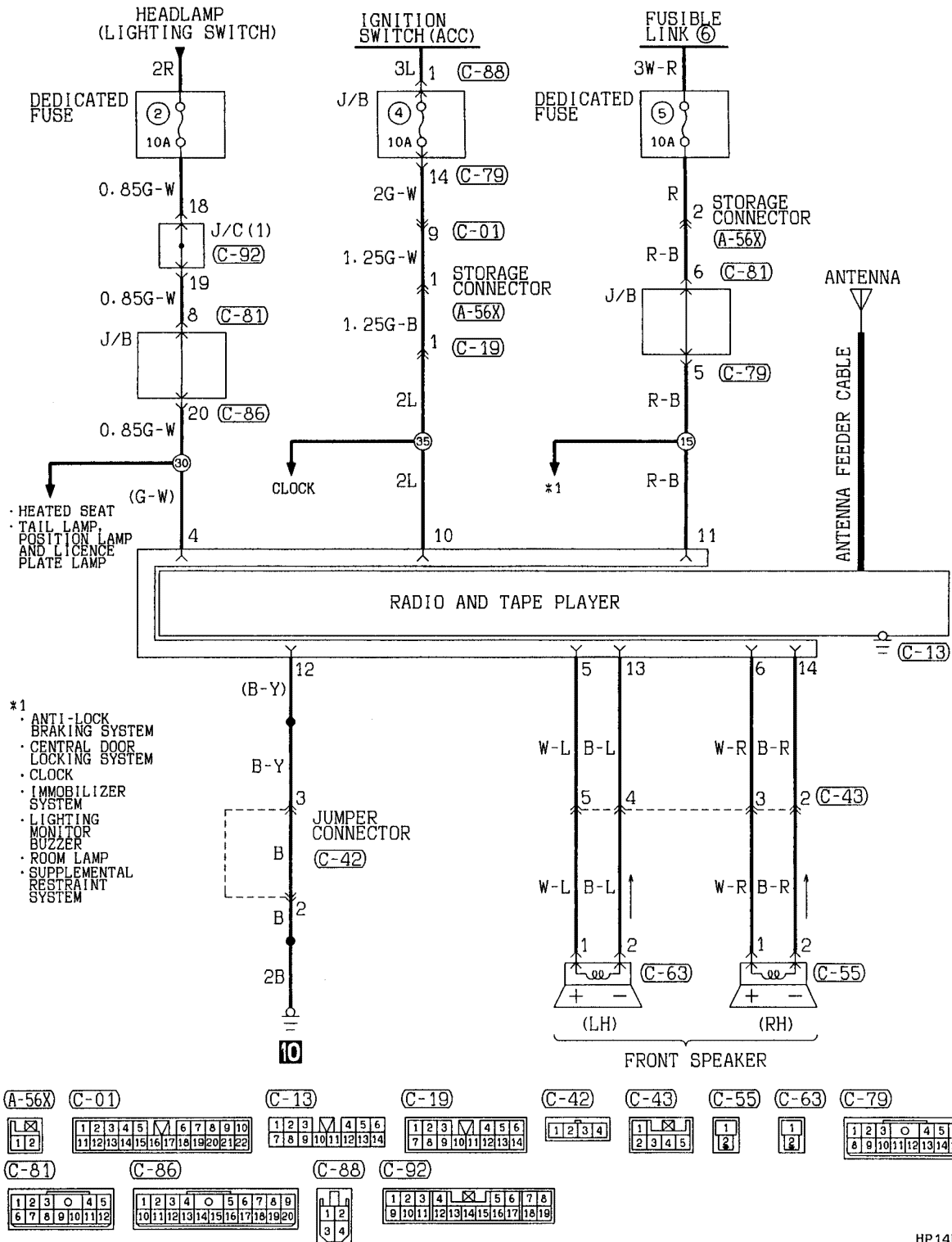




RADIO AND TAPE PLAYER

90100720350

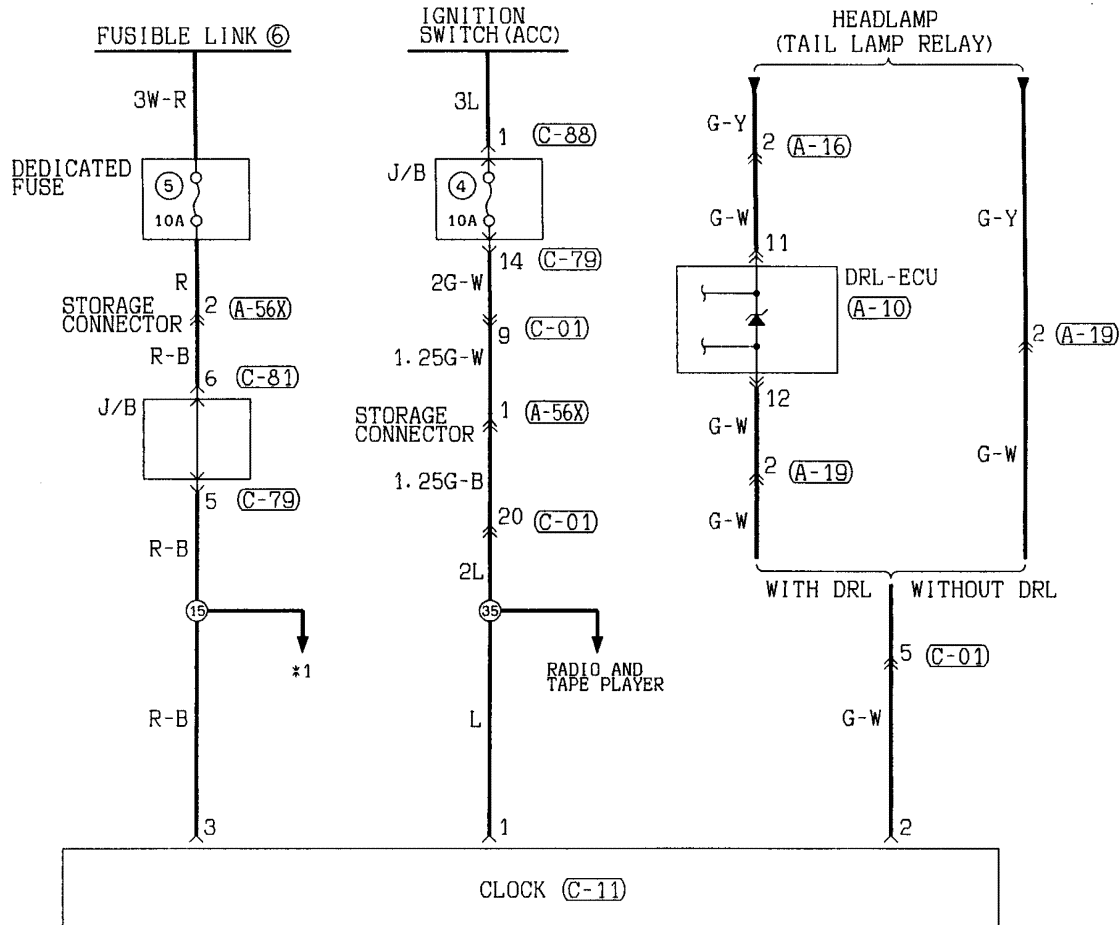
R.H. drive vehicles



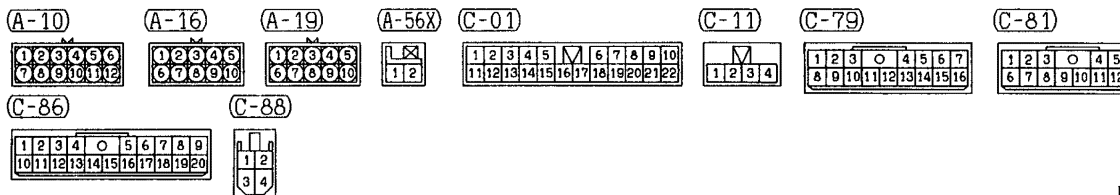
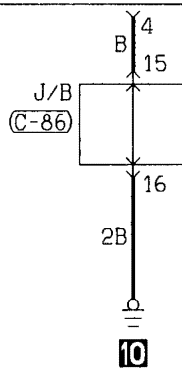
HP 14E02AA

CLOCK

90100770133

L.H. drive vehicles

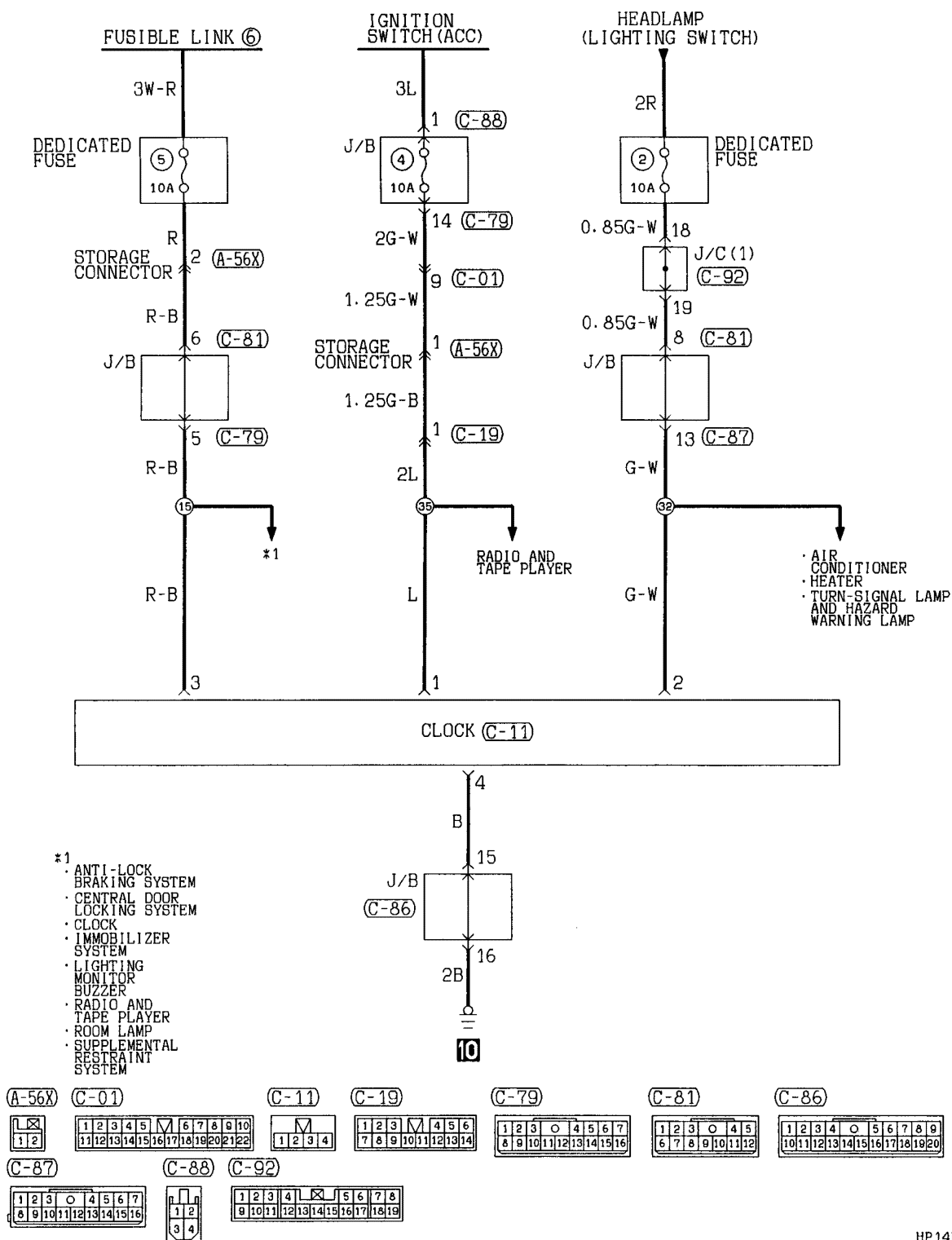
- *1
- ANTI-LOCK BRAKING SYSTEM
 - CENTRAL DOOR LOCKING SYSTEM
 - IGNITION KEY CYLINDER ILLUMINATION LAMP
 - IMMOBILIZER SYSTEM
 - LIGHTING MONITOR BUZZER
 - MPI SYSTEM
 - MULTI-METER
 - RADIO AND TAPE PLAYER
 - ROOM LAMP
 - SUPPLEMENTAL RESTRAINT SYSTEM



CLOCK

90100770140

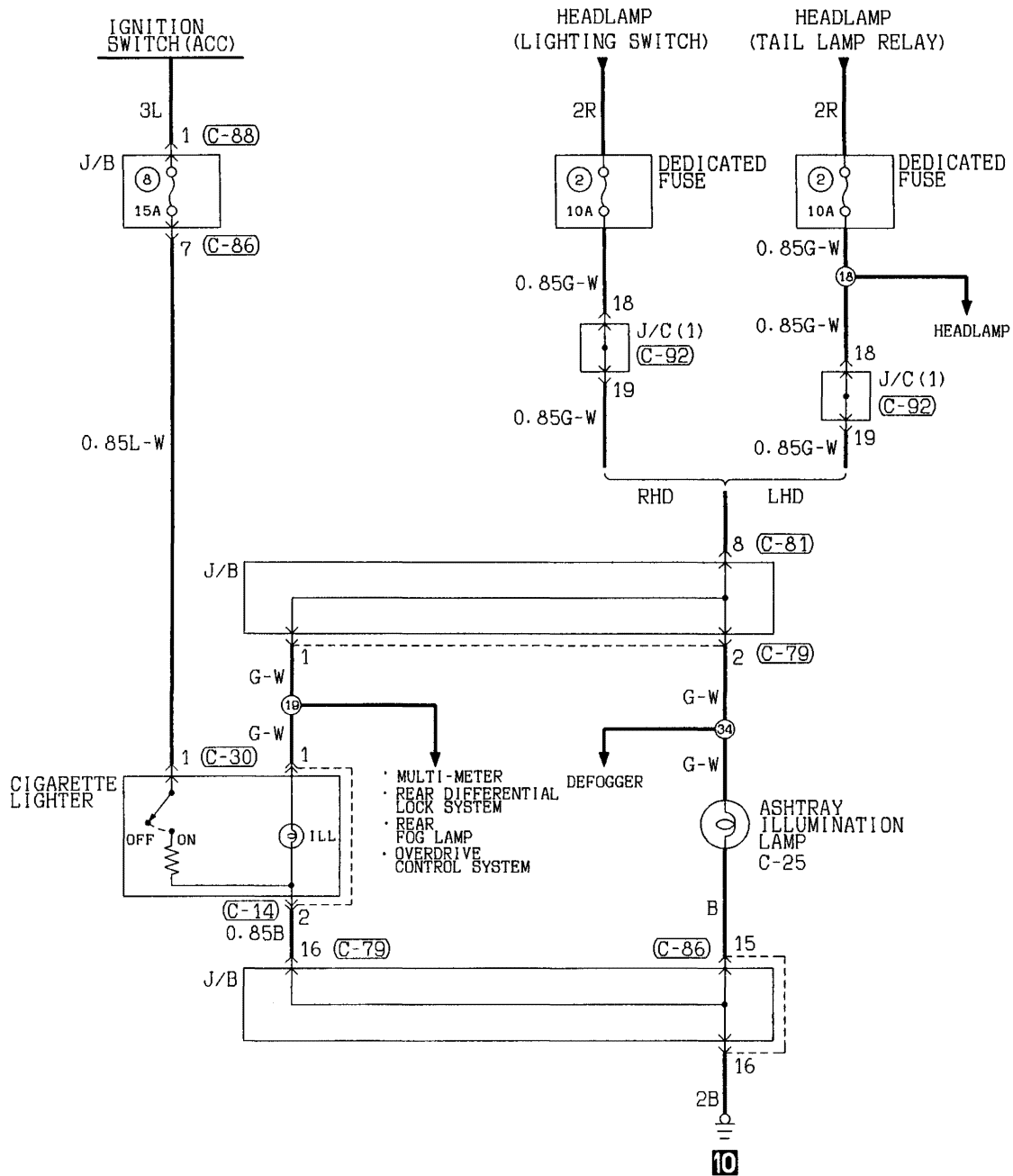
R.H. drive vehicles



HP14E04AA

CIGARETTE LIGHTER

90100780150

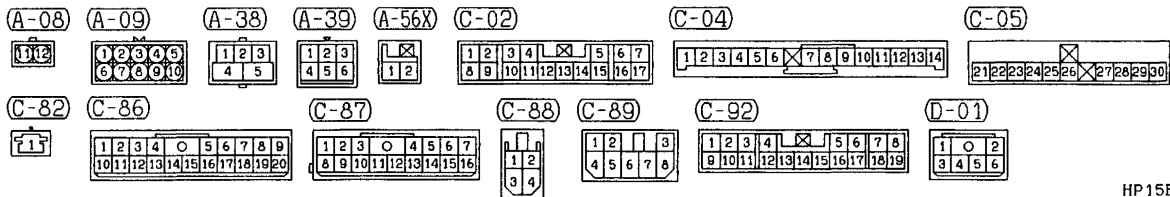
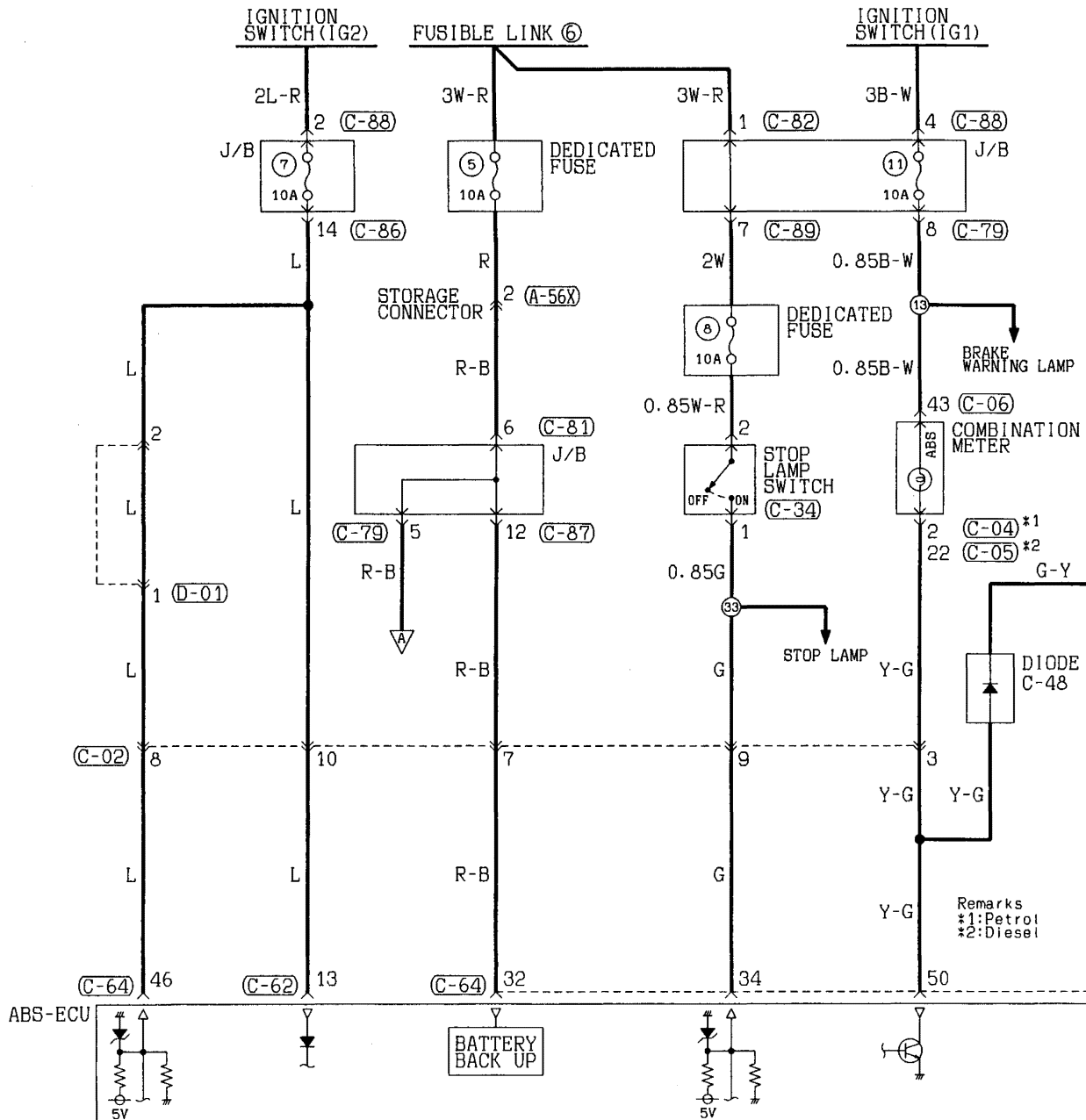


(C-14)	(C-30)	(C-79)	(C-81)	(C-86)	(C-88)	(C-92)
1 2	1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

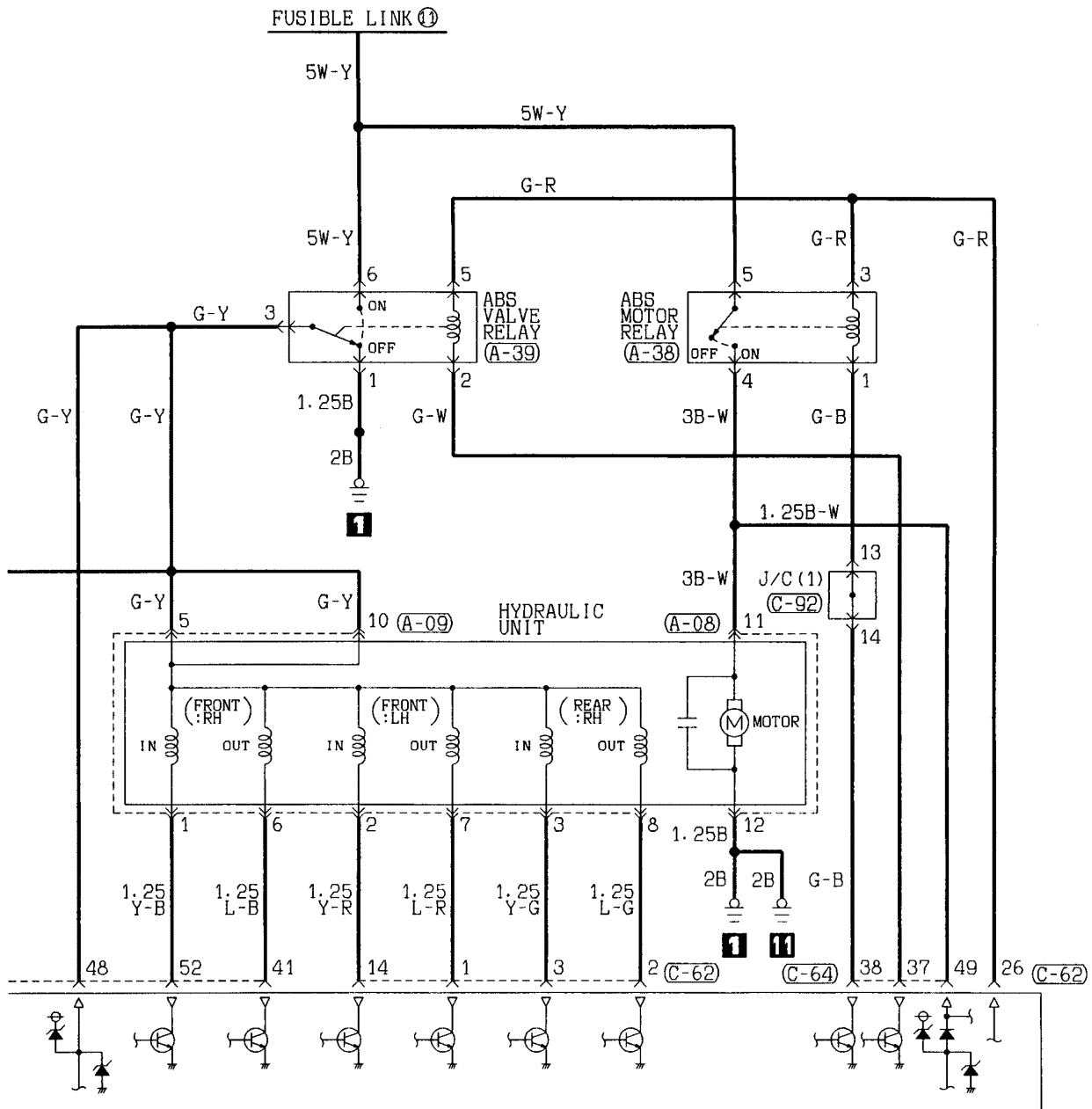
ANTI-LOCK BRAKING SYSTEM (ABS)

90100840322

2WD



HP15E00AA



(C-06)

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

(C-34)

1	2
---	---

(C-62)

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

(C-64)

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

(C-79)

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

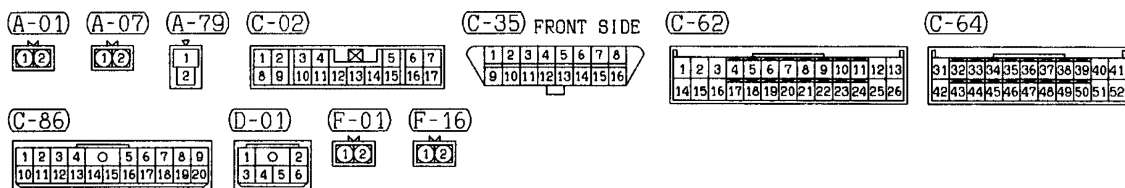
(C-81)

1	2	3	4	5
6	7	8	9	10

The diagram illustrates the electrical connections for the ABS system. It includes the following components and their connections:

- ABS-ECU:** The central control unit with multiple pins (4, 15, 16, 25, 42) connected to the wheel speed sensors and other systems.
- Wheel Speed Sensors:** Four sensors are shown, each with a unique code:
 - (A-07) (FRONT: LH):** Connected to pins 1 and 2, with labels <T> W-L and <T> B-L.
 - (A-01) (FRONT: RH):** Connected to pins 1 and 2, with labels <T> B-R and <T> W-R.
 - (F-16) (REAR: LH):** Connected to pins 1 and 2, with labels <T> W-L, <T> B-L, <T> W-L, <T> B-L, <T> W-L, and <T> B-L.
 - (F-01) (REAR: RH):** Connected to pins 1 and 2, with labels <T> B-R, <T> W-R, <T> B-R, <T> W-R, <T> B-R, and <T> W-R.
- Immobilizer System:** Connected to pins 40 and 39, with labels IMMOBILIZER SYSTEM and MPI SYSTEM.
- Radio and Tape Player:** Connected to pins 15 and 16, with labels RADIO AND TAPE PLAYER and ROOM LAMP.
- Other Components:** Includes a DIAGNOSIS CONNECTOR (C-35), a J/B (C-86), and a 2B terminal.

The diagram also includes a "Remark" section stating: " *: Without immobilizer system".

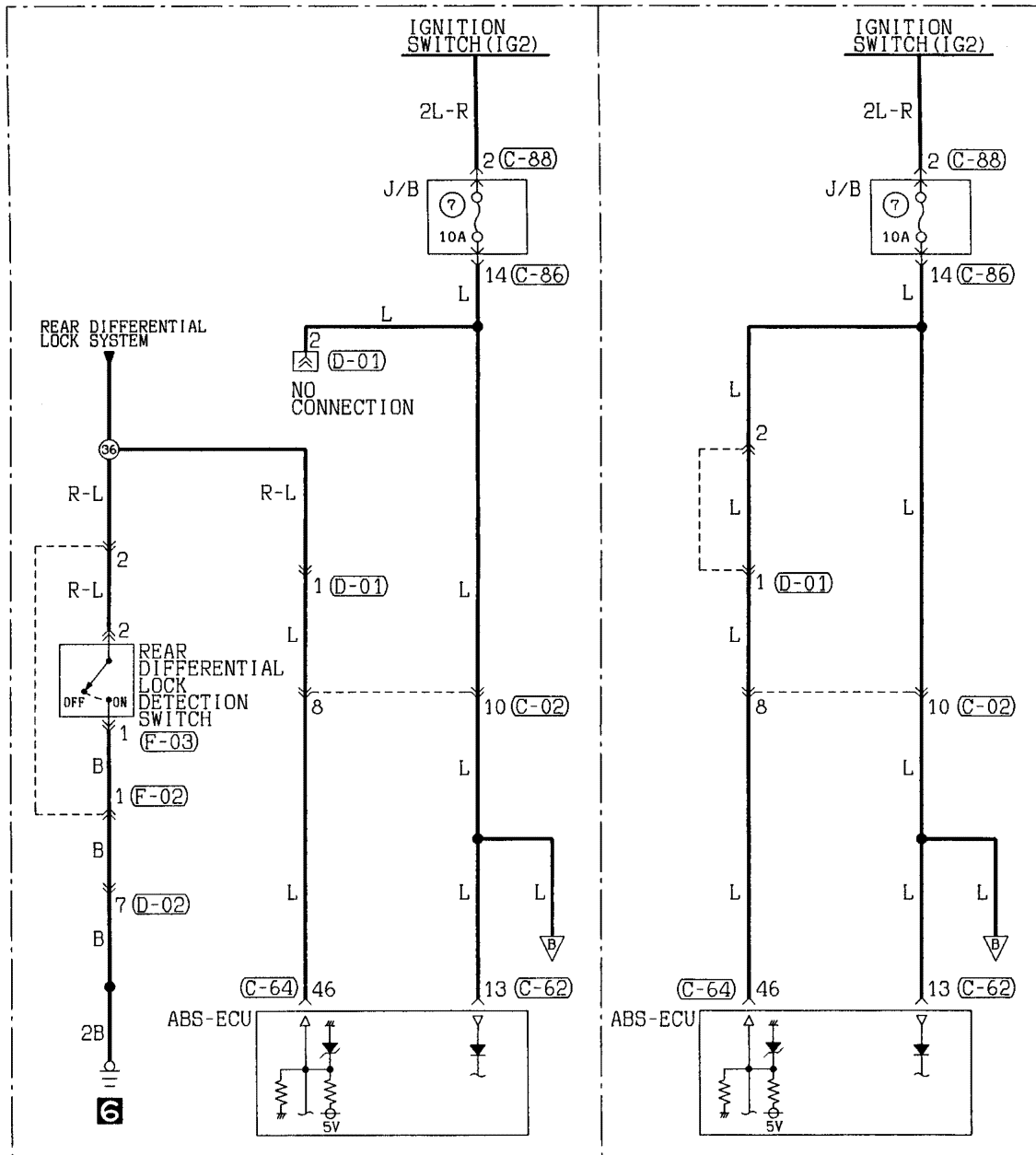


ANTI-LOCK BRAKING SYSTEM (ABS)

90100840339

4WD

<Vehicles with rear differential lock system> <Vehicles without rear differential lock system>



C-02

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

C-62

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

C-64

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

C-86

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

C-88

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

D-01

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

D-02

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

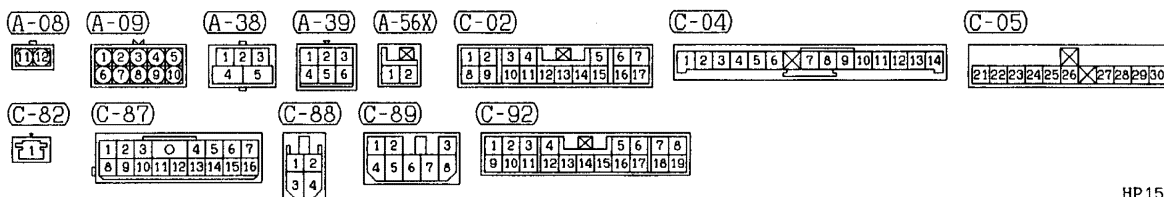
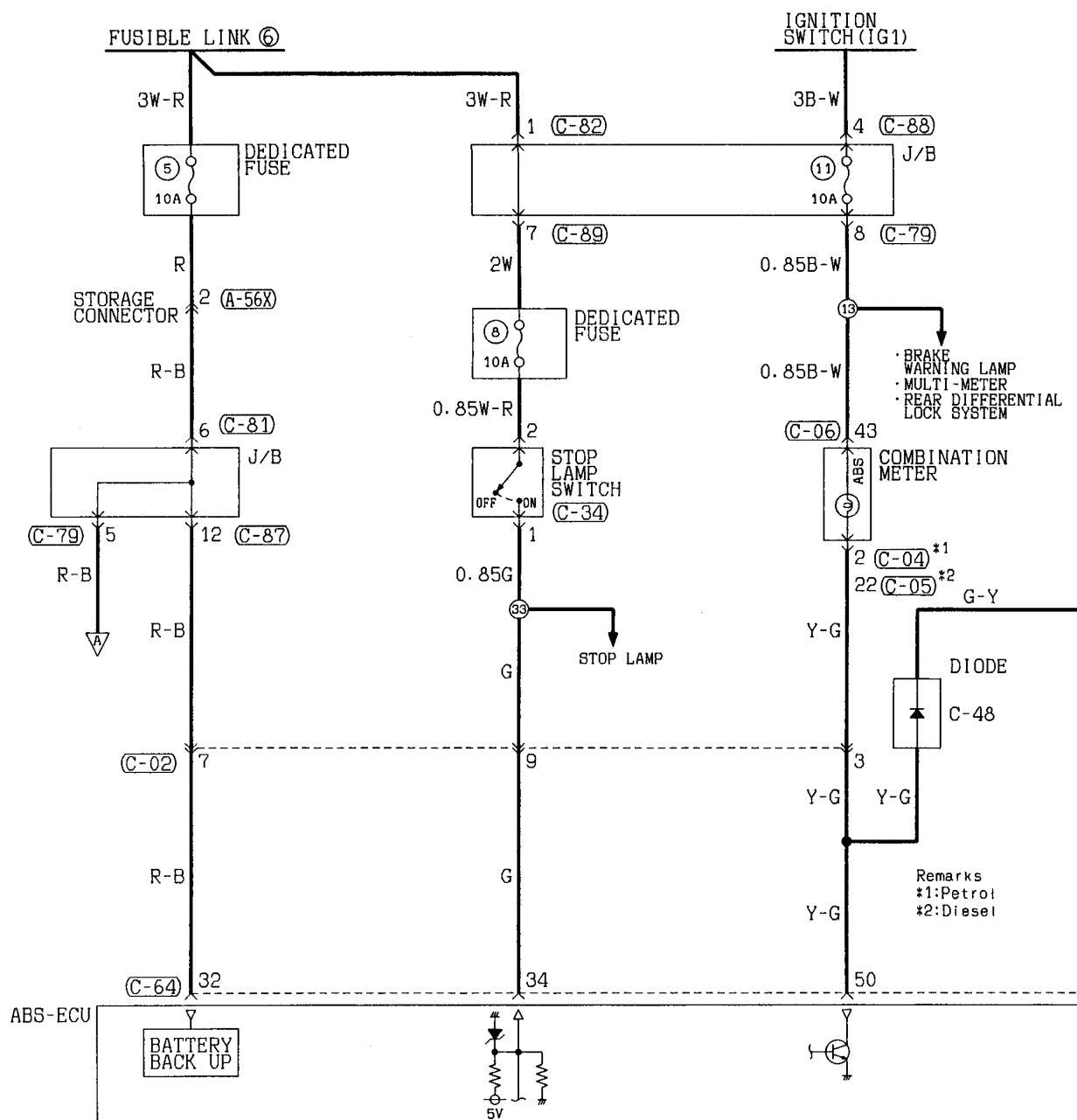
F-02

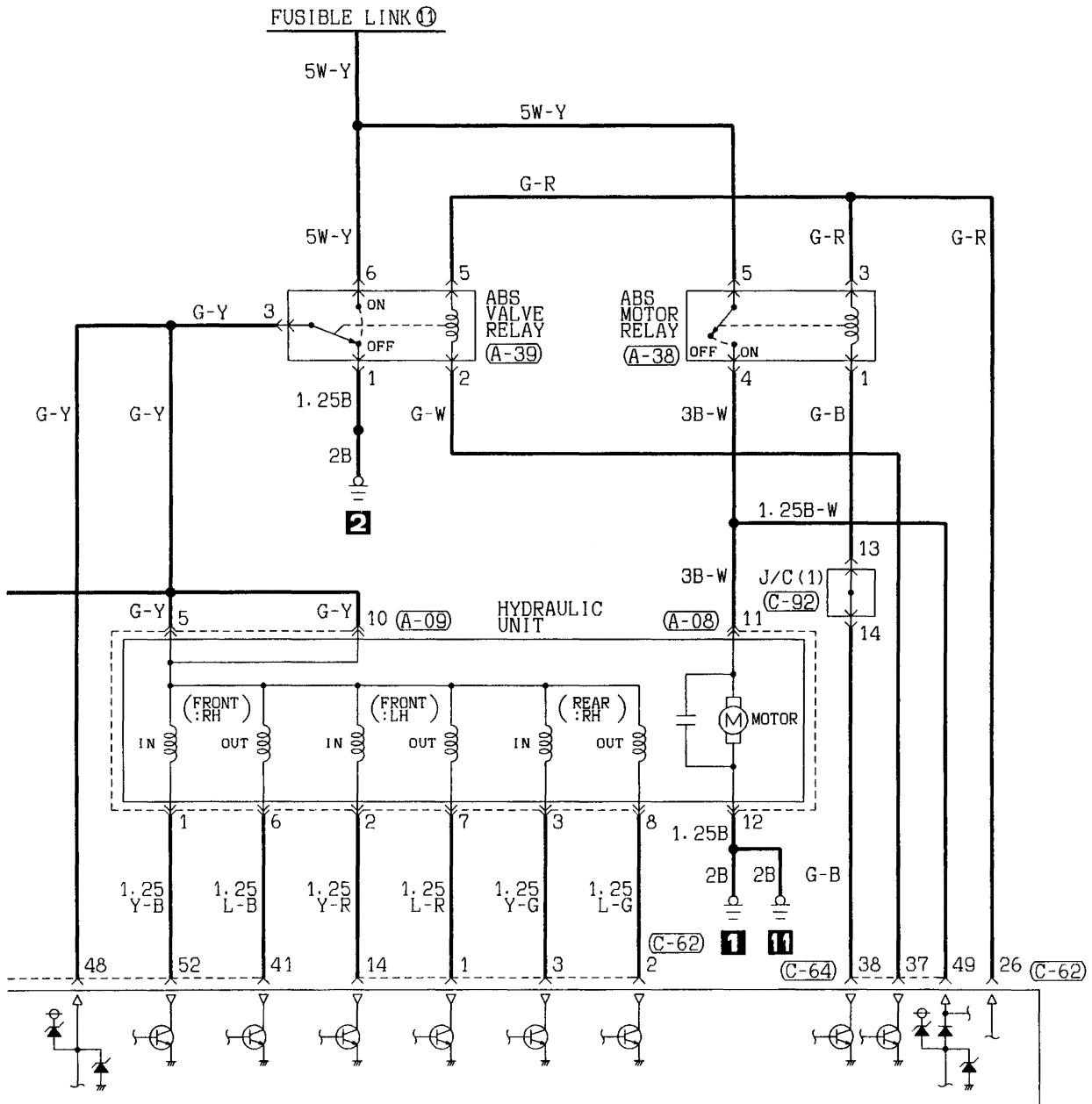
1	2	3	4	5	6
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F-03

1	2	3	4	5	6
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ANTI-LOCK BRAKING SYSTEM <4WD> (CONTINUED)





(C-06)

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

(C-62)

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

(C-64)

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

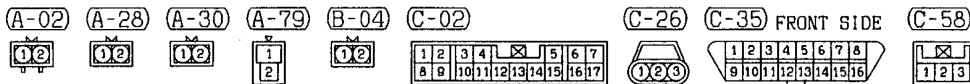
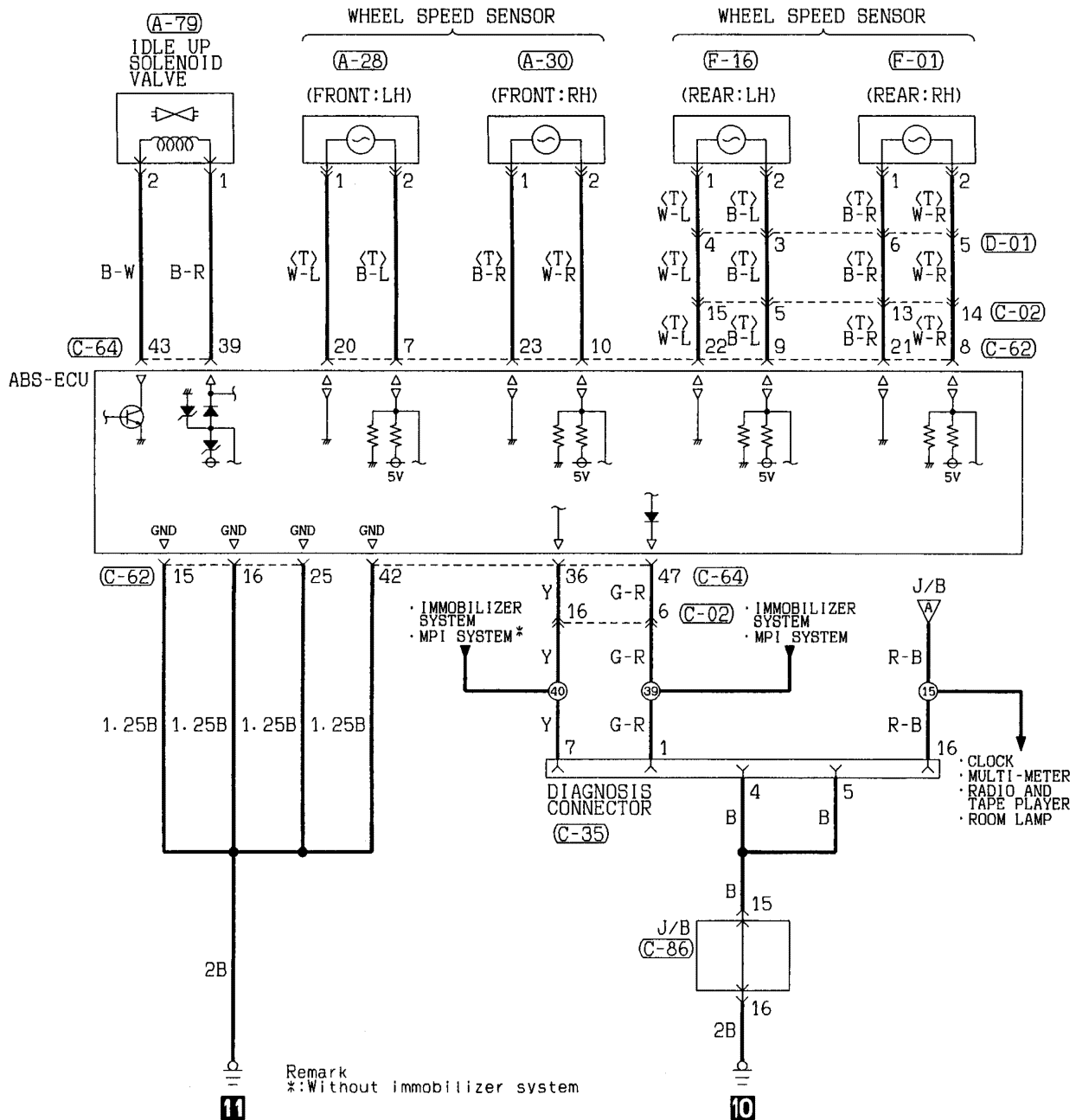
(C-79)

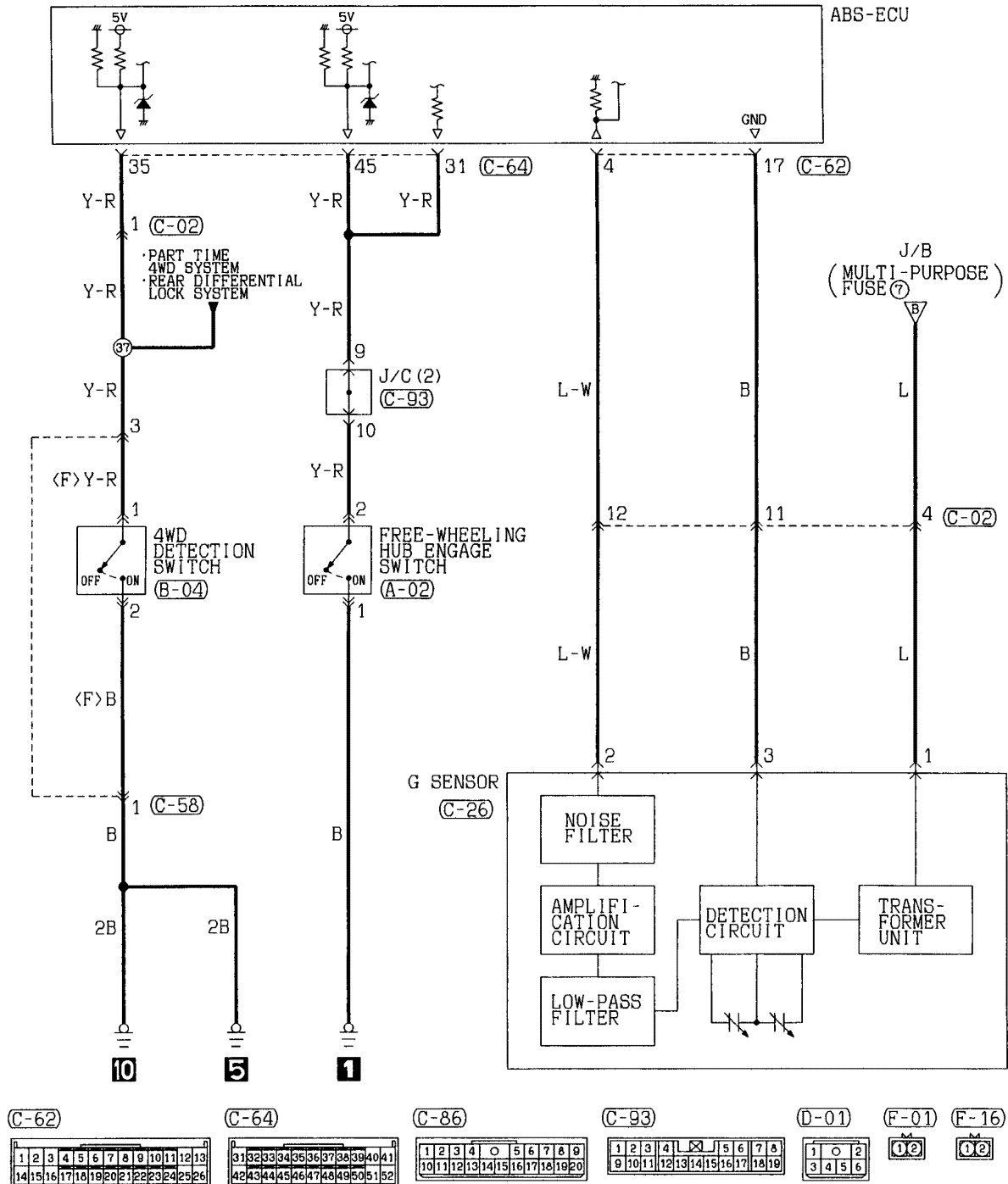
1	2	3	○	4	5	6	7	
8	9	10	11	12	13	14	15	16

(C-81)

1	2	3	0	4	5
6	7	8	9	10	11

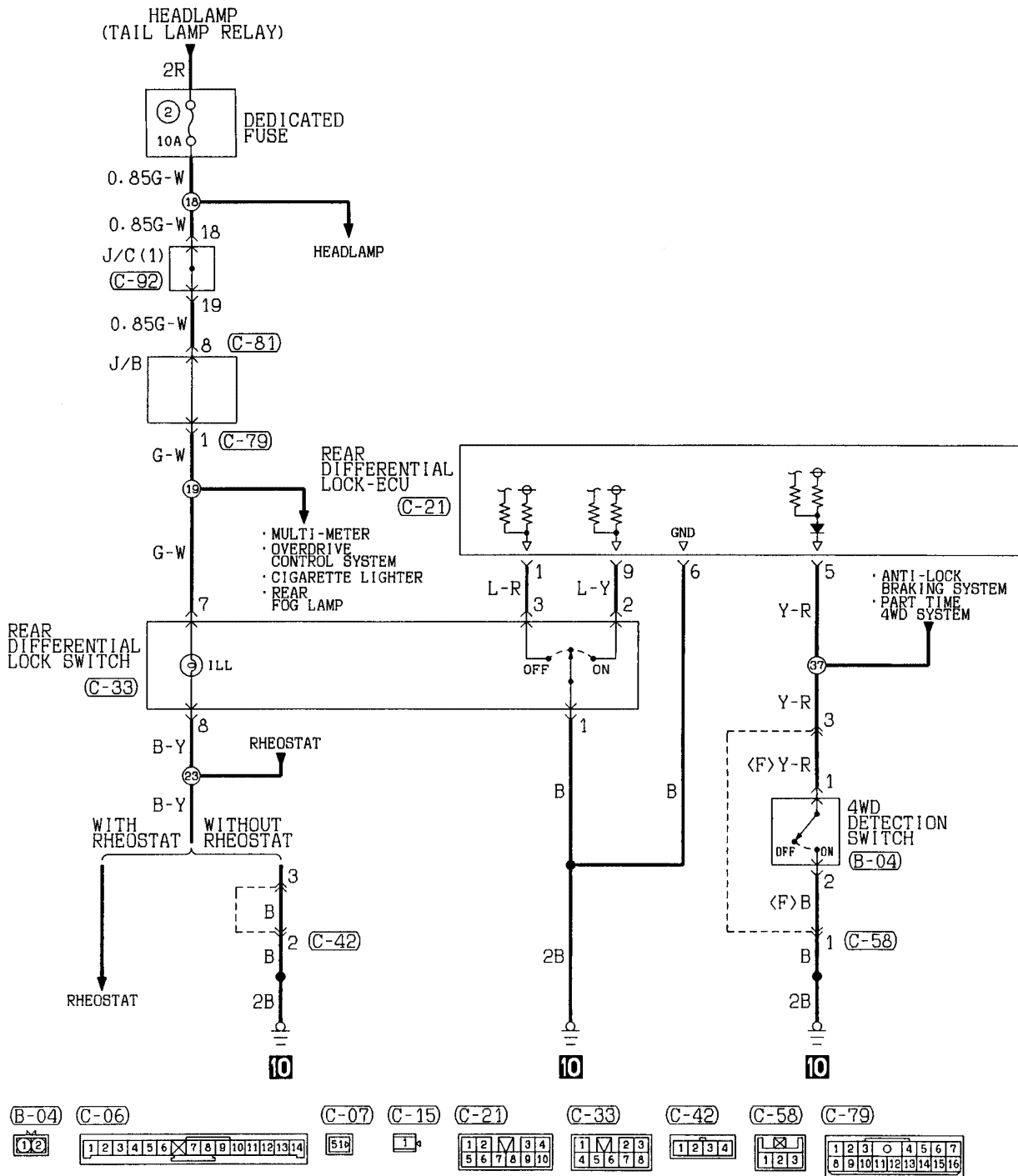
ANTI-LOCK BRAKING SYSTEM <4WD> (CONTINUED)

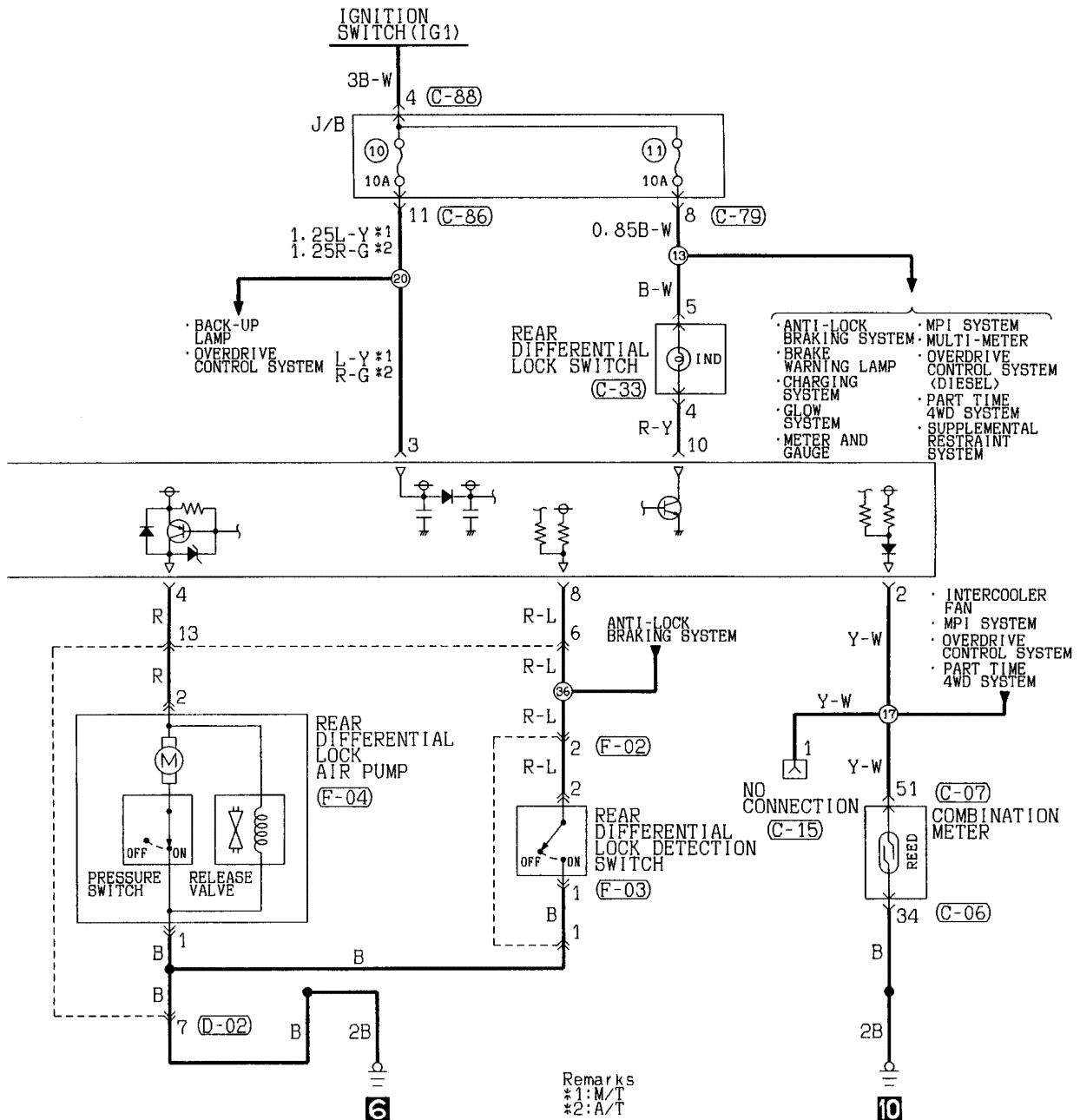




REAR DIFFERENTIAL LOCK SYSTEM

90101430047

L.H. drive vehicles




(C-81)

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

(C-86)

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

(C-88)

1	2
3	4

(C-92)

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

(D-02)

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

(F-02)

1	2
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(F-03)

1	2
---	---

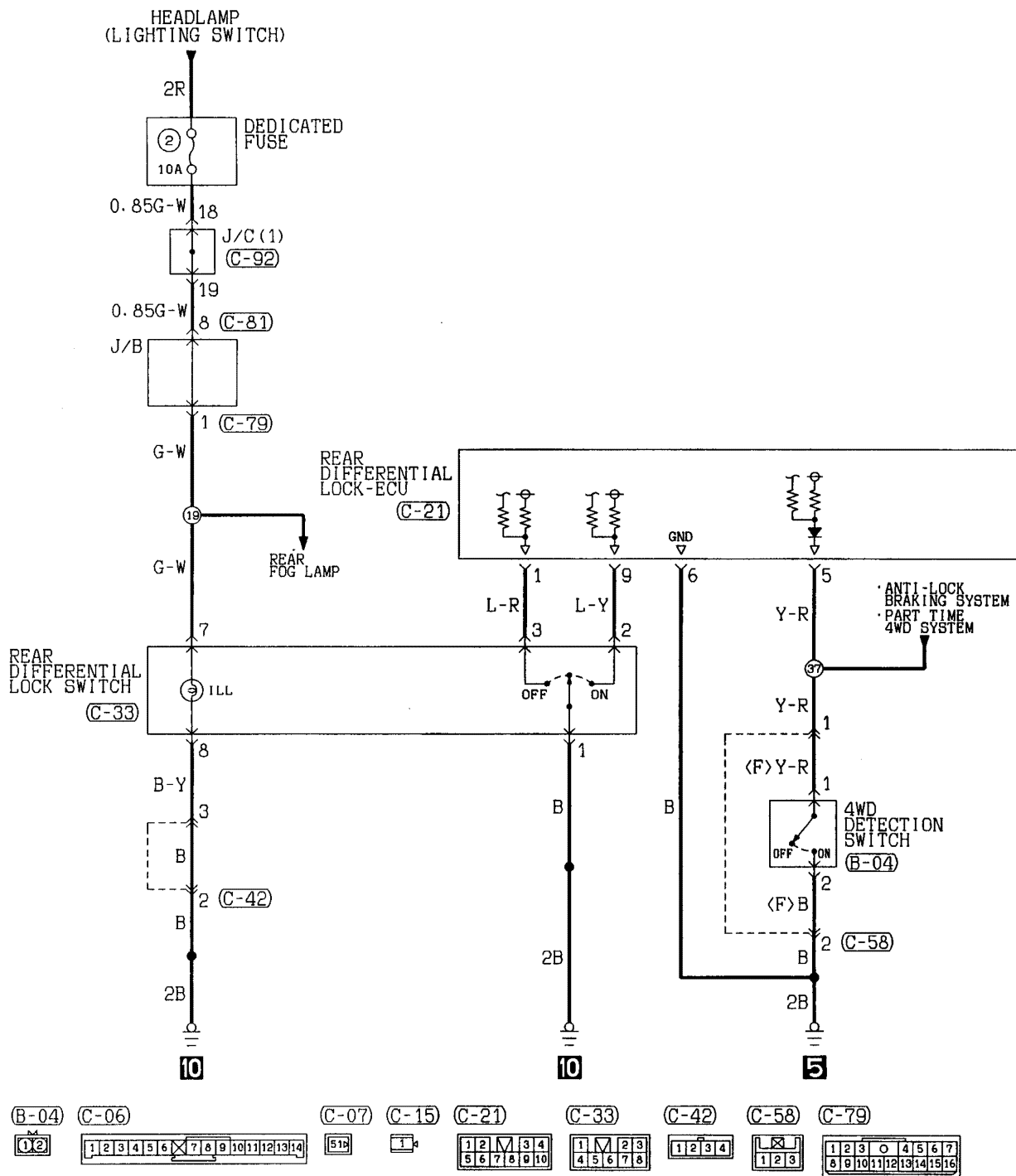
(F-04)

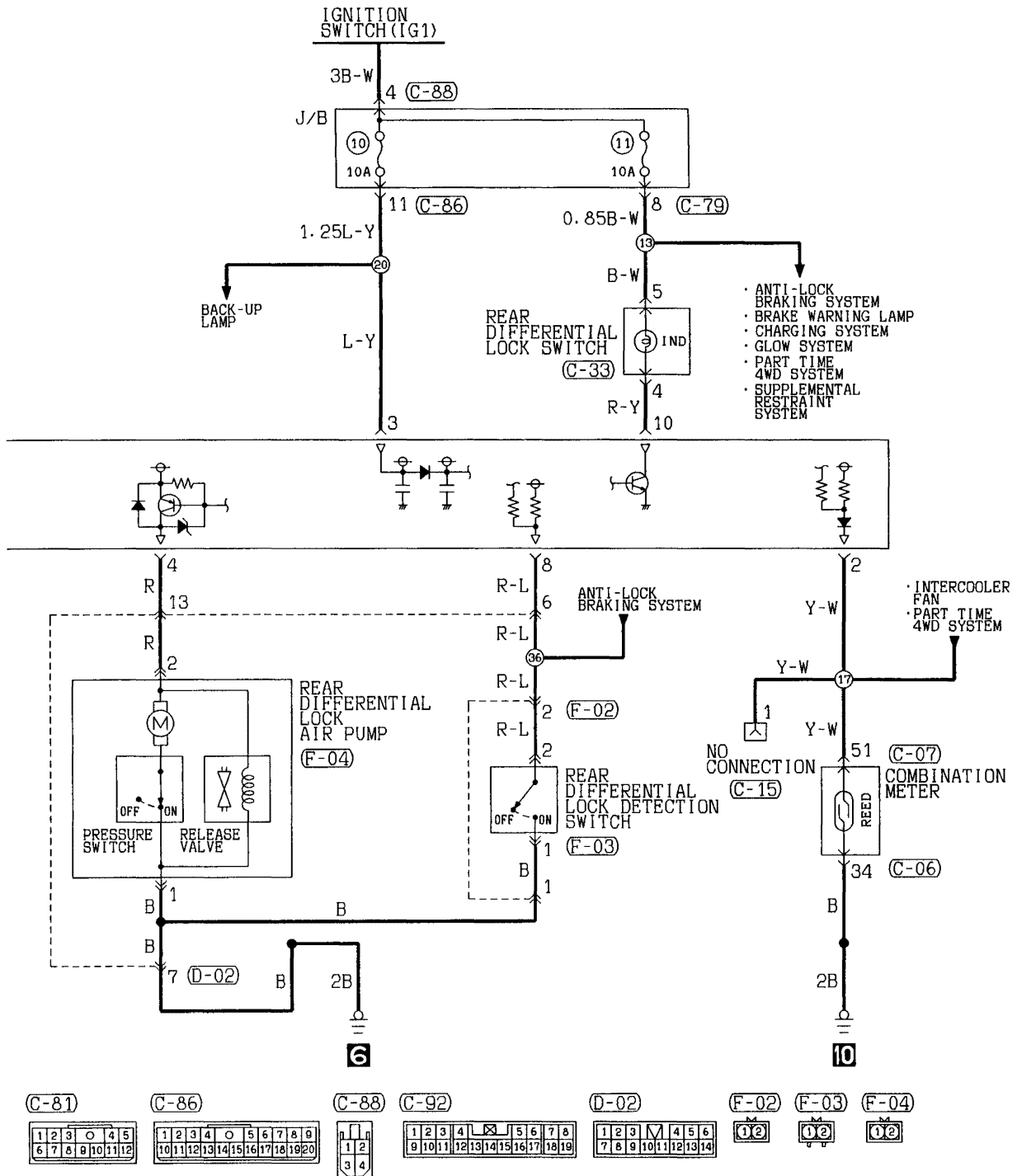
1	2
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REAR DIFFERENTIAL LOCK SYSTEM

90101430054

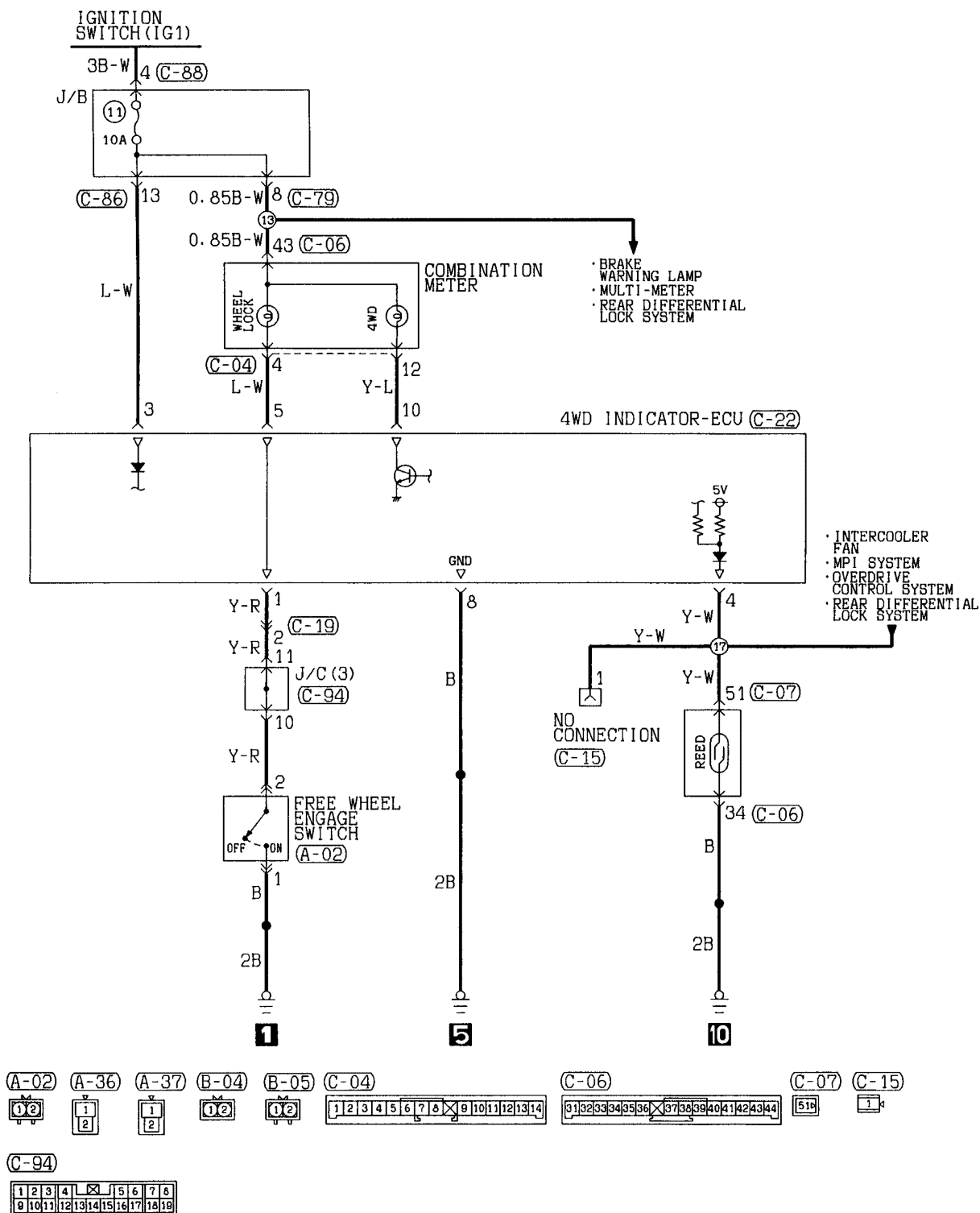
R.H. drive vehicles

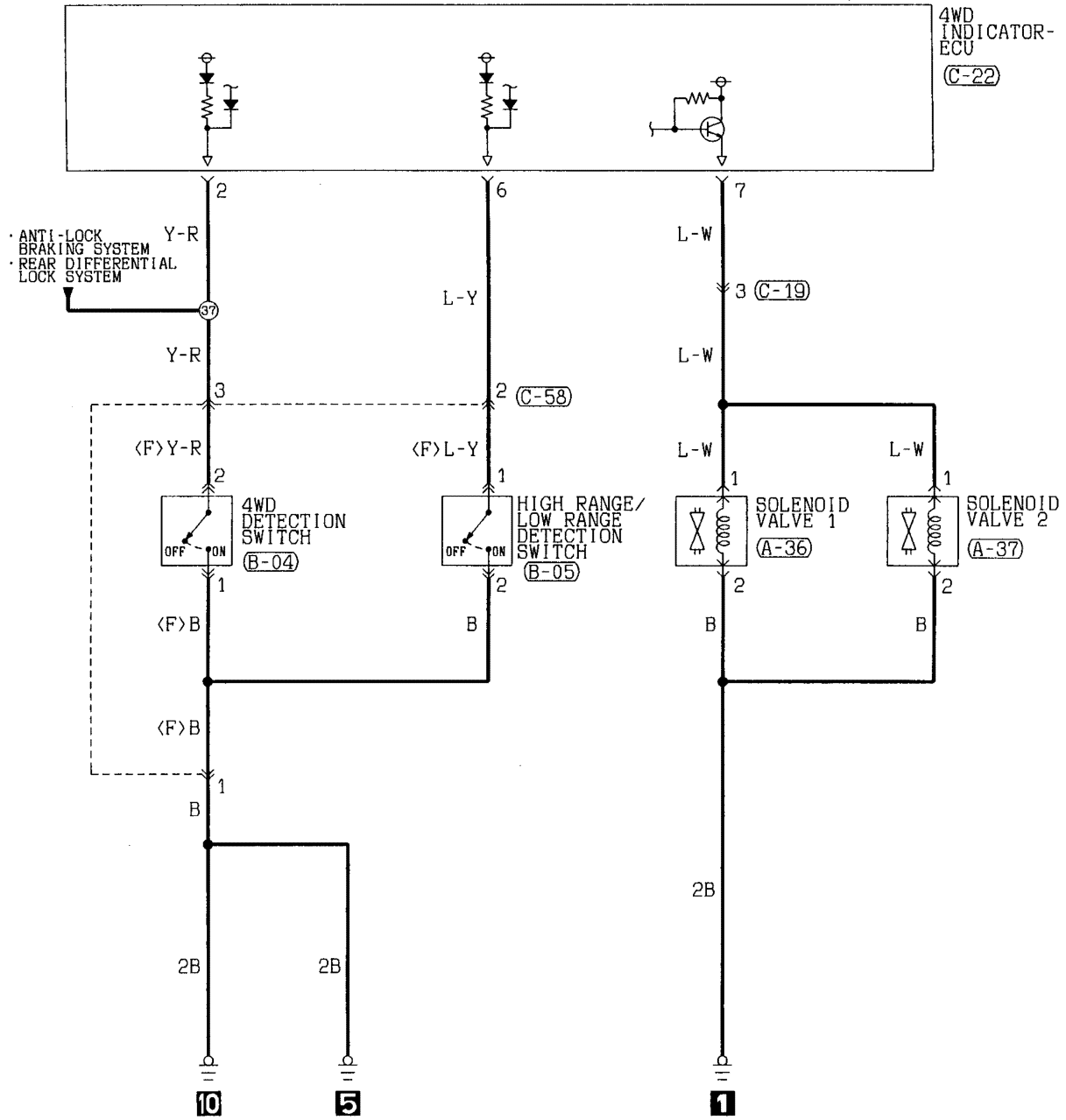




90100910016

1997 Models





(C-19)

<DIESEL>

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

<RETOROL>

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

(C-22)

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

(C-58)

1	2	3
4	5	6
7	8	9

(C-79)

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

(C-86)

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

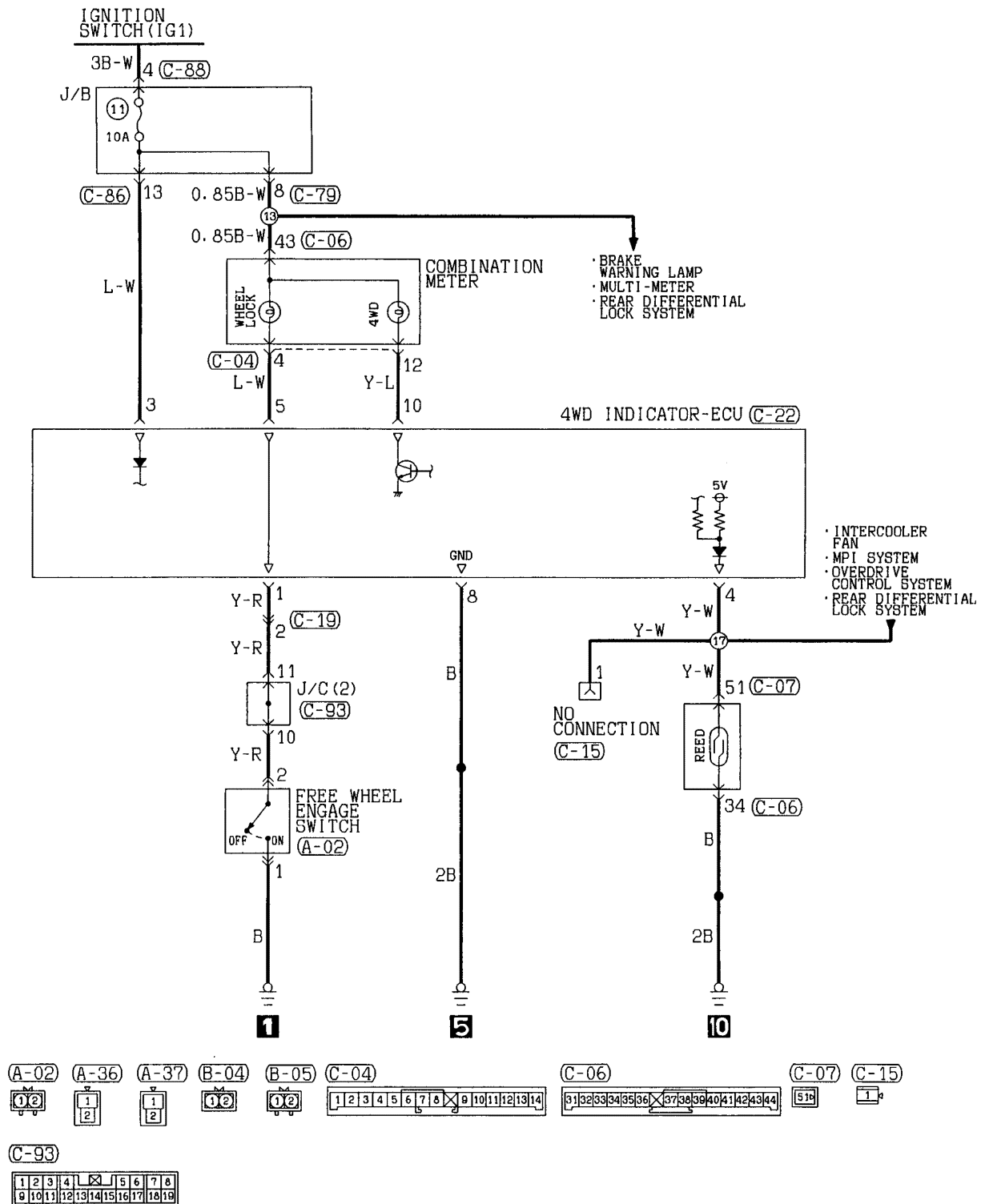
(C-88)

1	2
3	4
5	6

PART TIME 4WD SYSTEM

90100910054

1998 Models

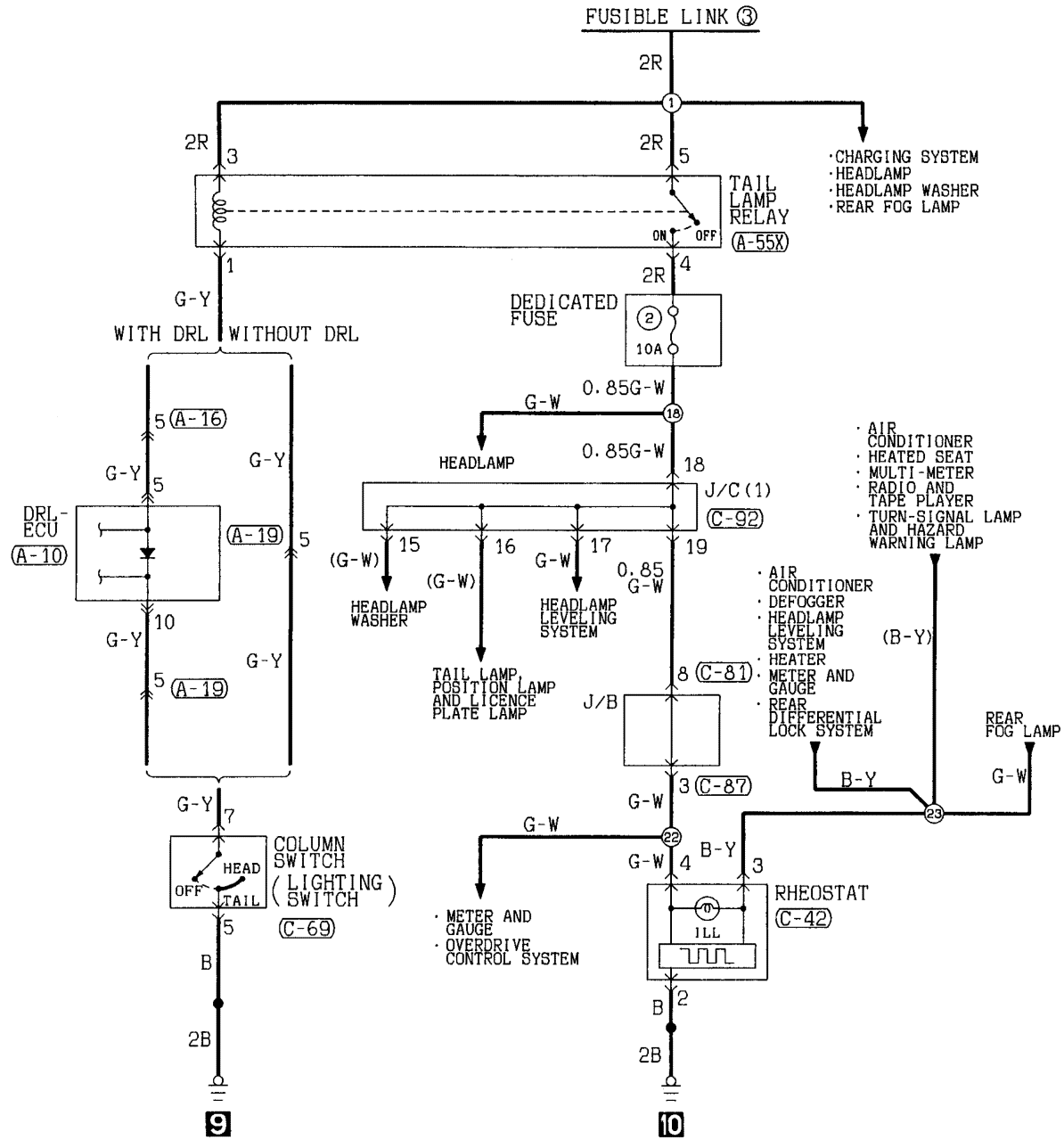




RHEOSTAT

90101110057

1997 Models



(A-10)

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

(A-16)

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

(A-19)

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

(A-55X)

1	2	3
4		
5		

(C-42)

1	2	3	4
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(C-69)

1	2	3	4
5	6	7	8
9	10		

(C-81)

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

(C-87)

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

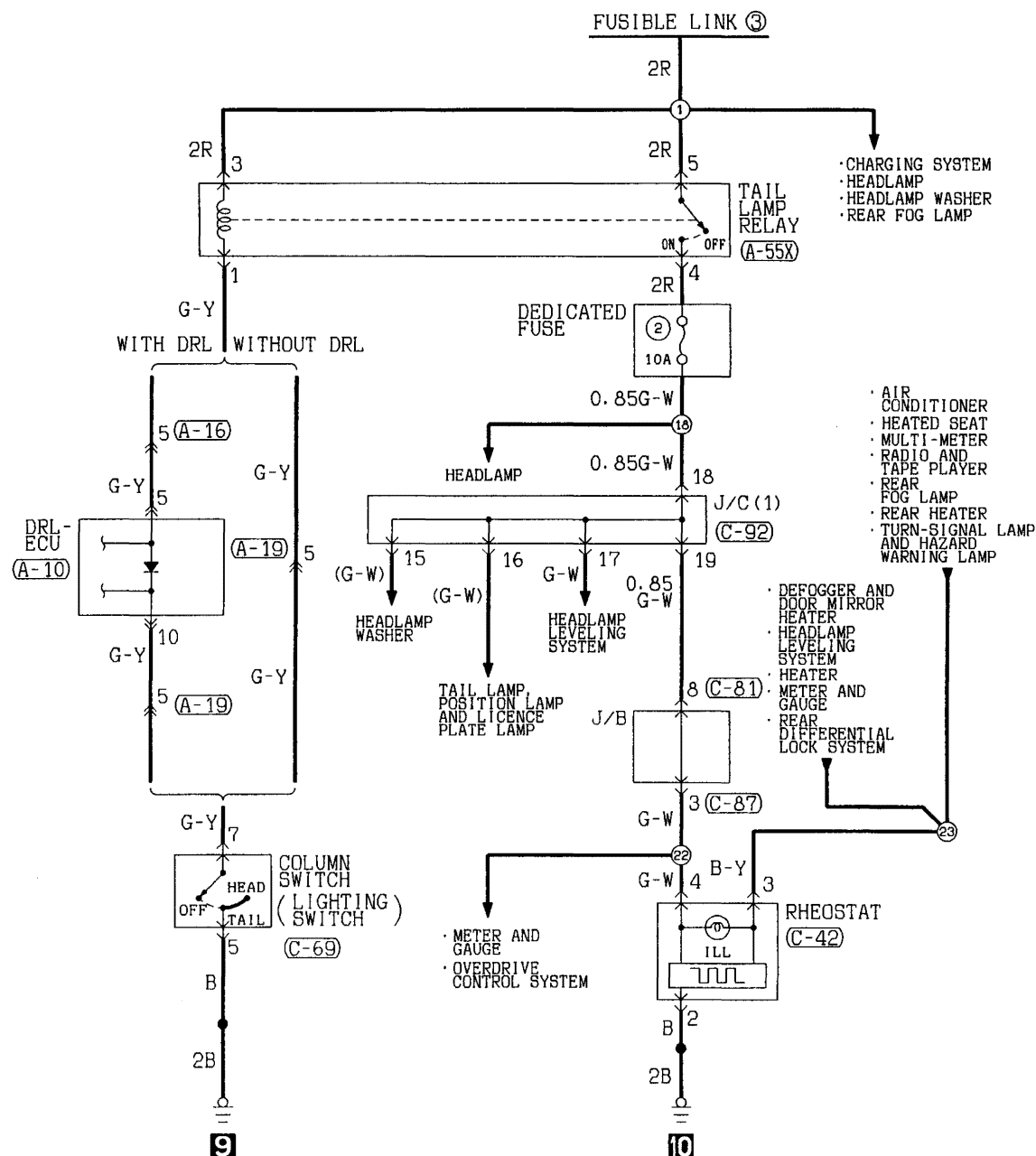
(C-92)

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

RHEOSTAT

90101110217

1998 Models



(A-10)

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

(A-16)

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

(A-19)

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

(A-55X)

1	2	3
4	5	6

(C-42)

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

(C-69)

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

(C-81)

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

(C-87)

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

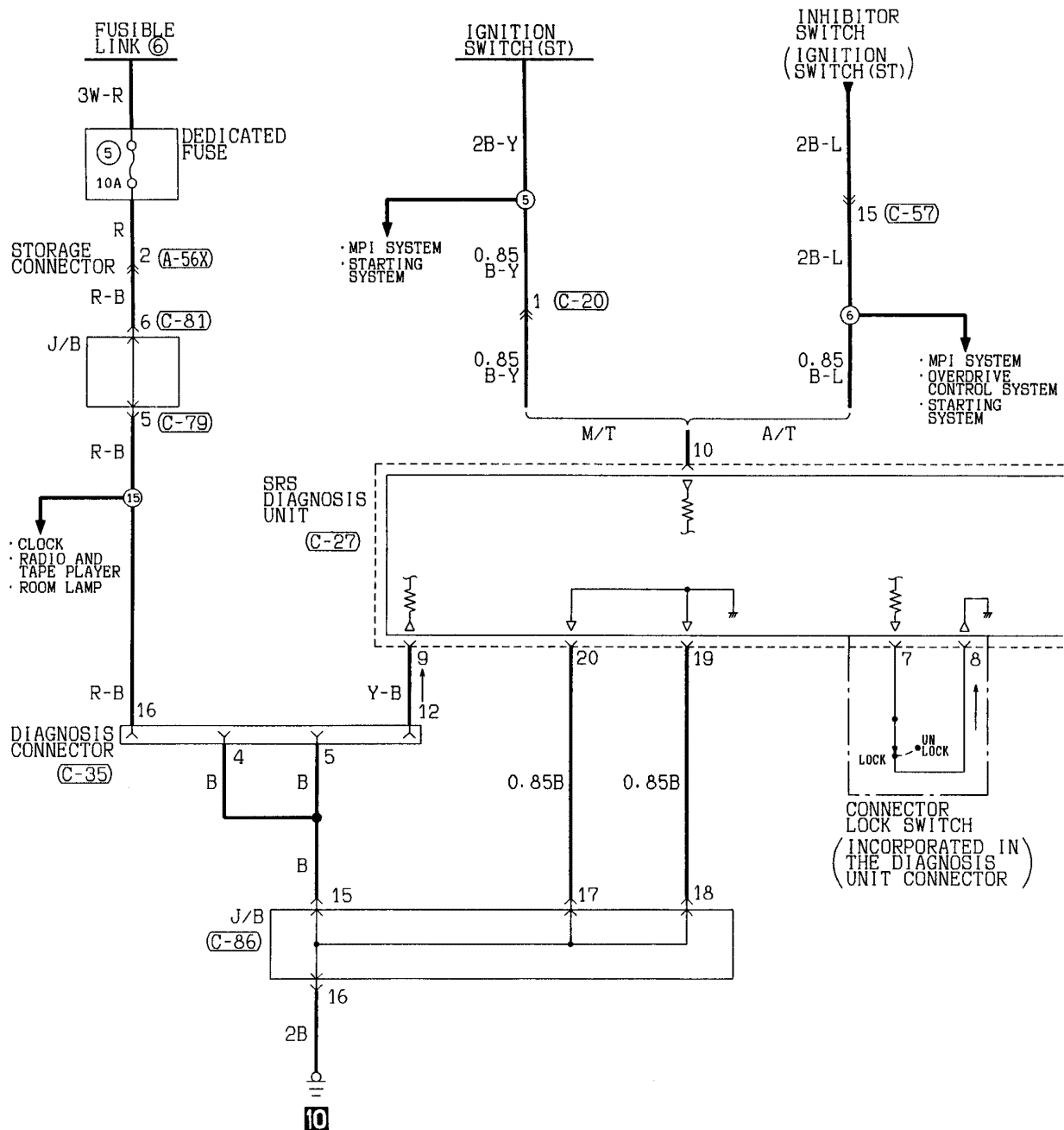
(C-92)

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

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

90100970229

Petrol-powered vehicles



(A-27)

(2WD)

(12)

(A-29)

(4WD)

(12)

(A-56X)

(12)

(C-06)

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

(C-20)

1 2 3 4 5 6 7

(C-27)

7 8 9 10 11 12 13 14 15 16 17 18 19 20

(C-28)

1 2

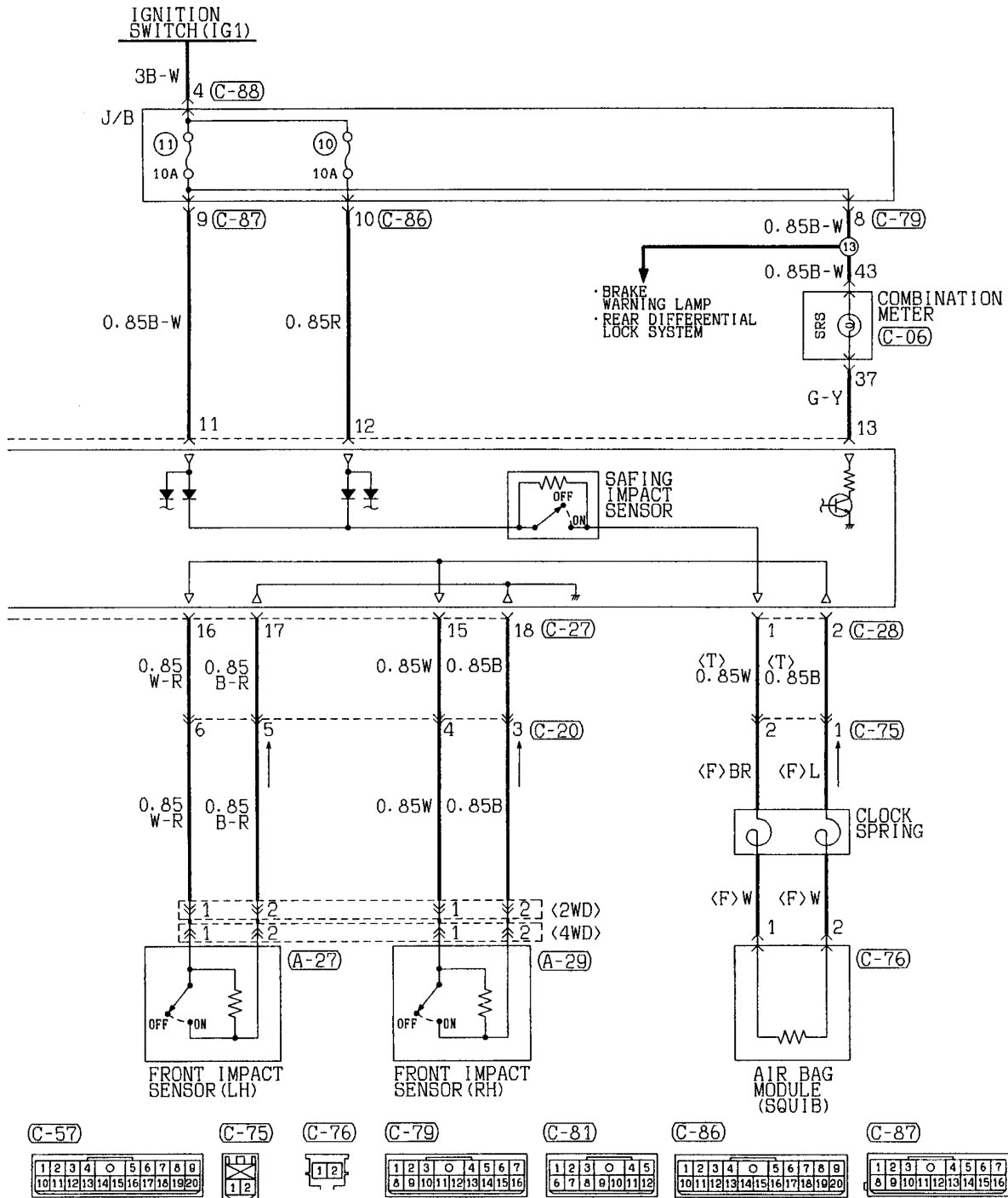
(C-35)

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

FRONT SIDE

(C-88)

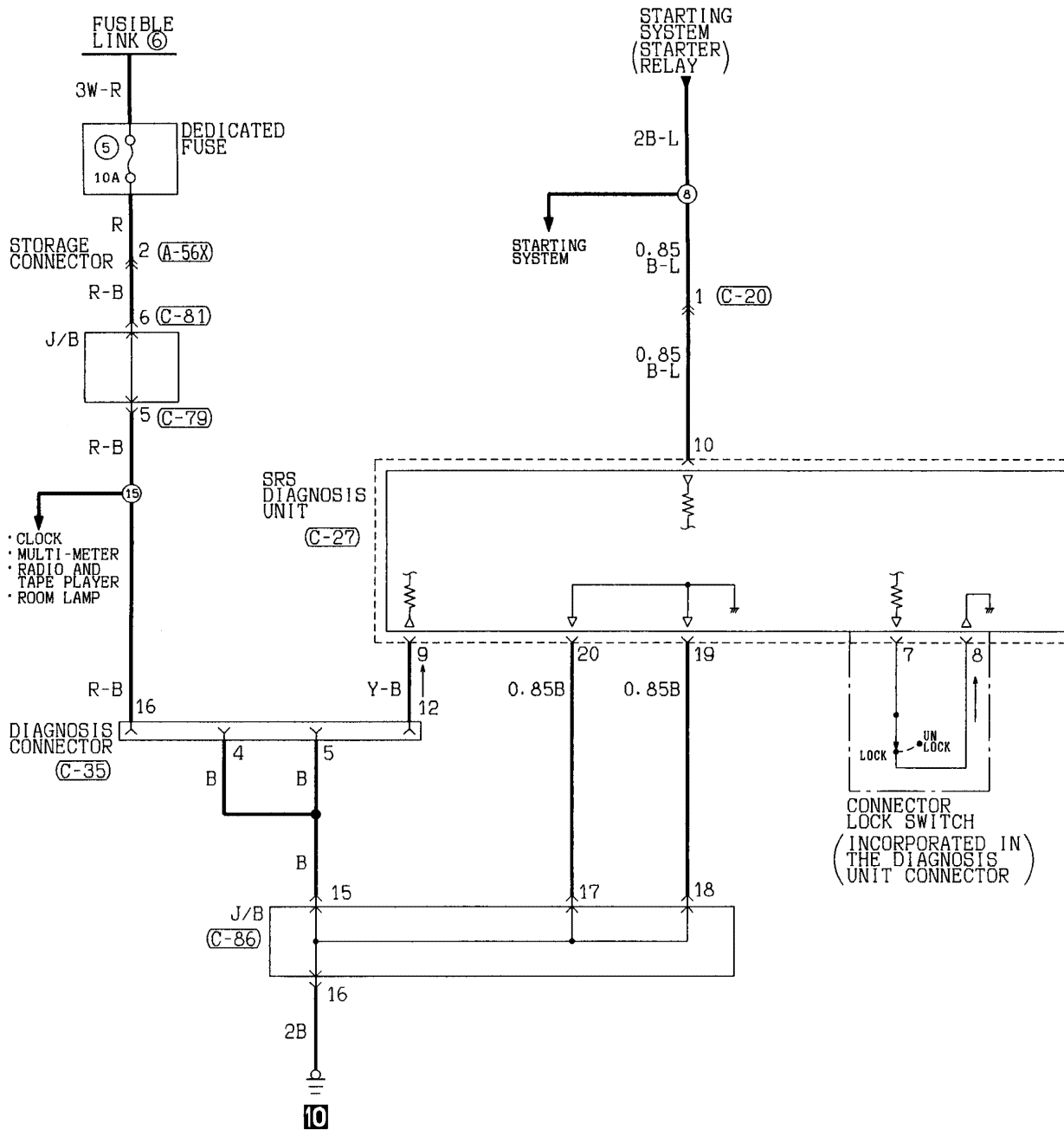
1 2 3 4



SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

90100970236

Diesel-powered vehicles



(A-27)

(2WD) (4WD)

(A-29)

(2WD) (4WD)

(A-56X) (C-06)

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

(C-20)

1 2 3 4 5 6 7

(C-27)

7 8 9 10 11 12 13 14 15 16 17 18 19 20

(C-28)

1 2

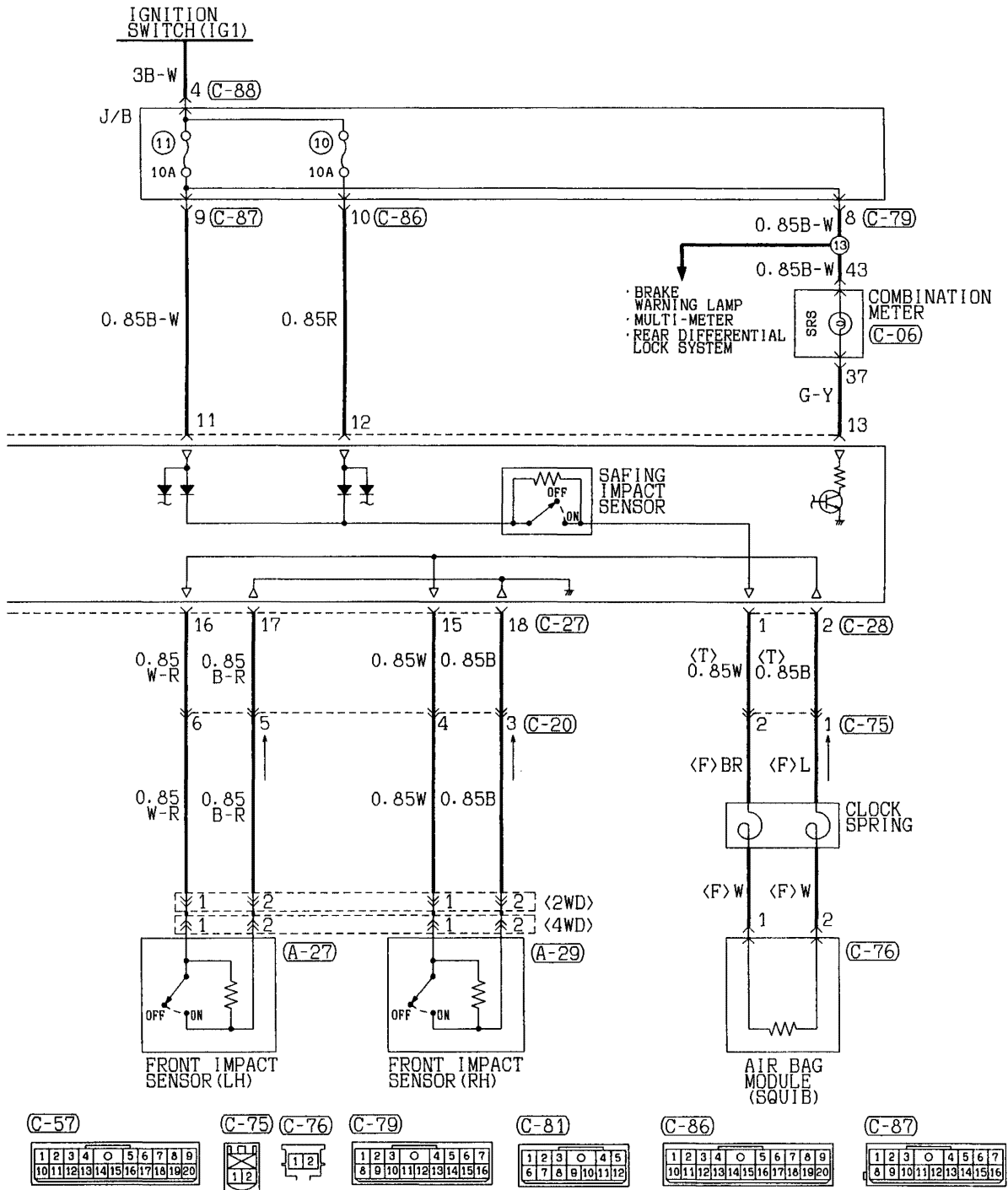
(C-35) FRONT SIDE

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

(C-88)

1 2 3 4

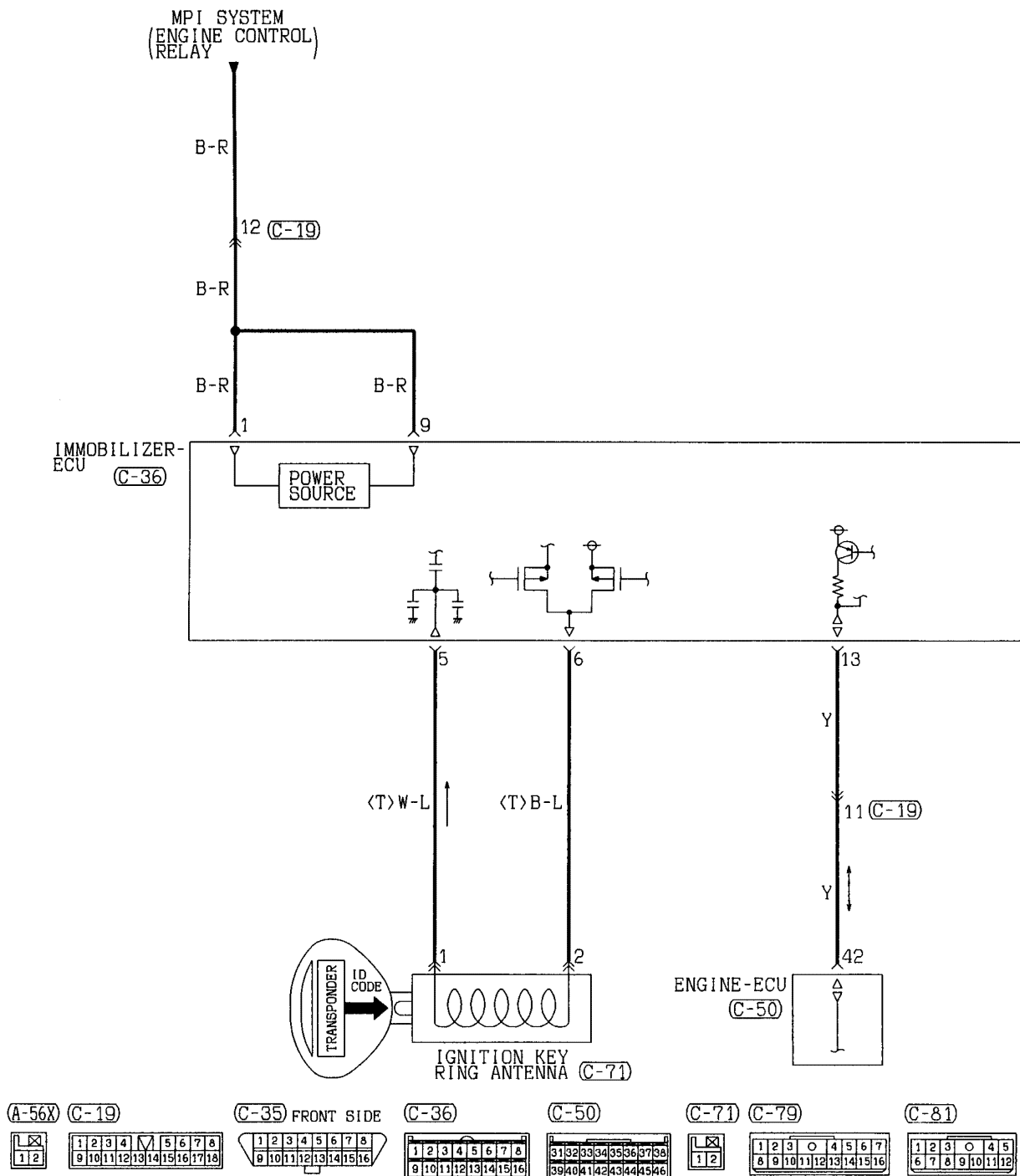
HP15E07AA

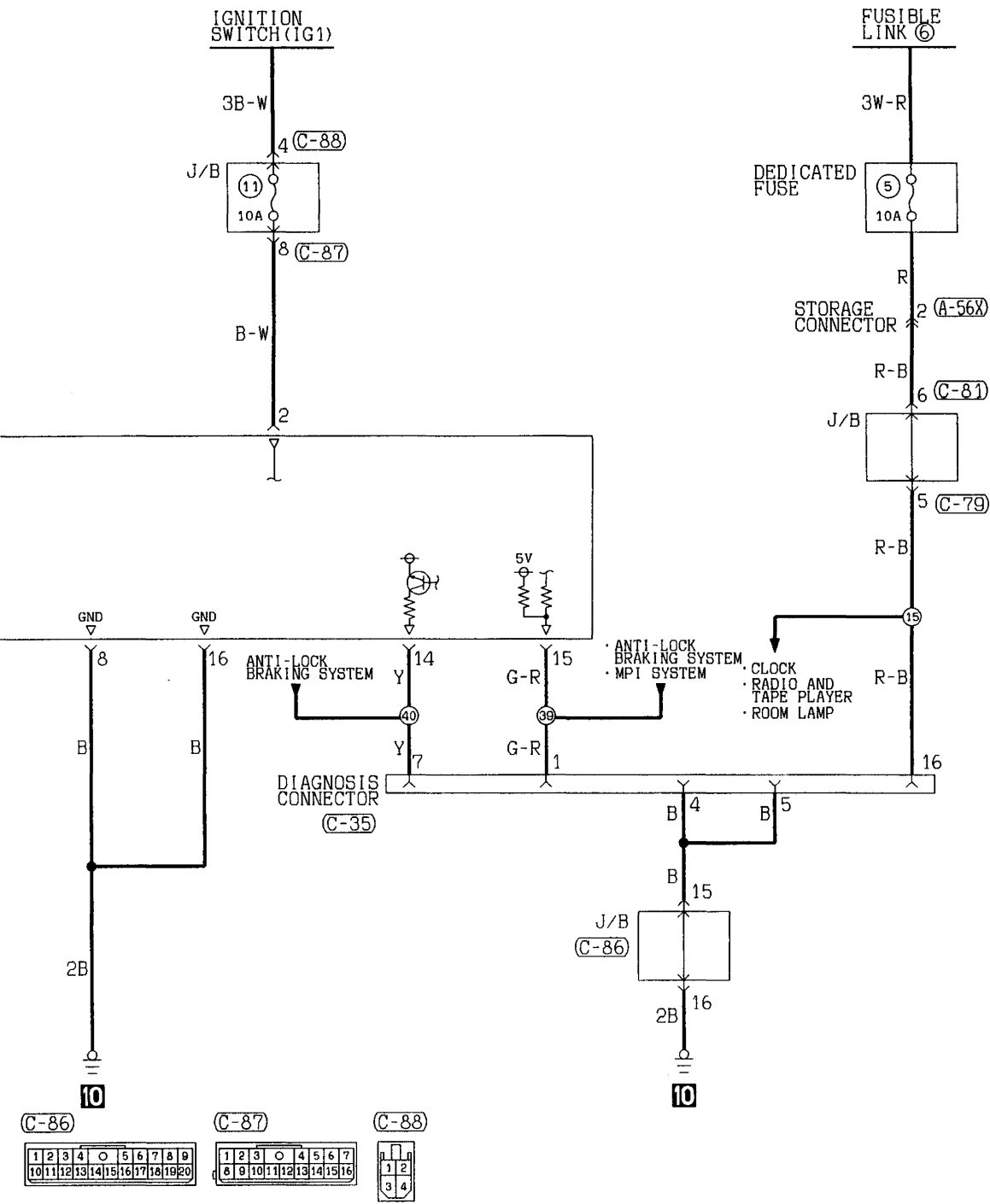


IMMOBILIZER SYSTEM

90101360049

Petrol-powered vehicles <1997 Models>

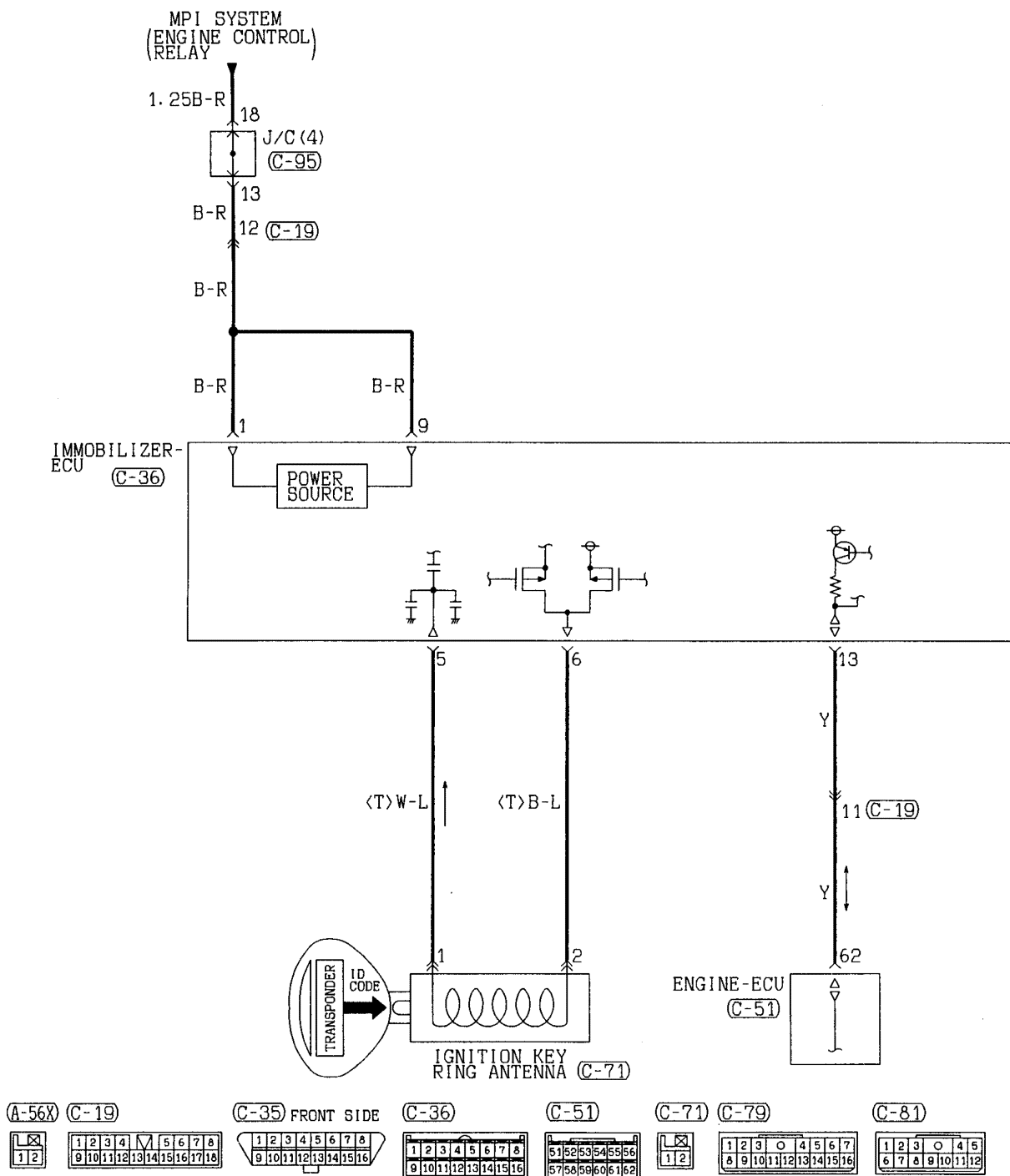


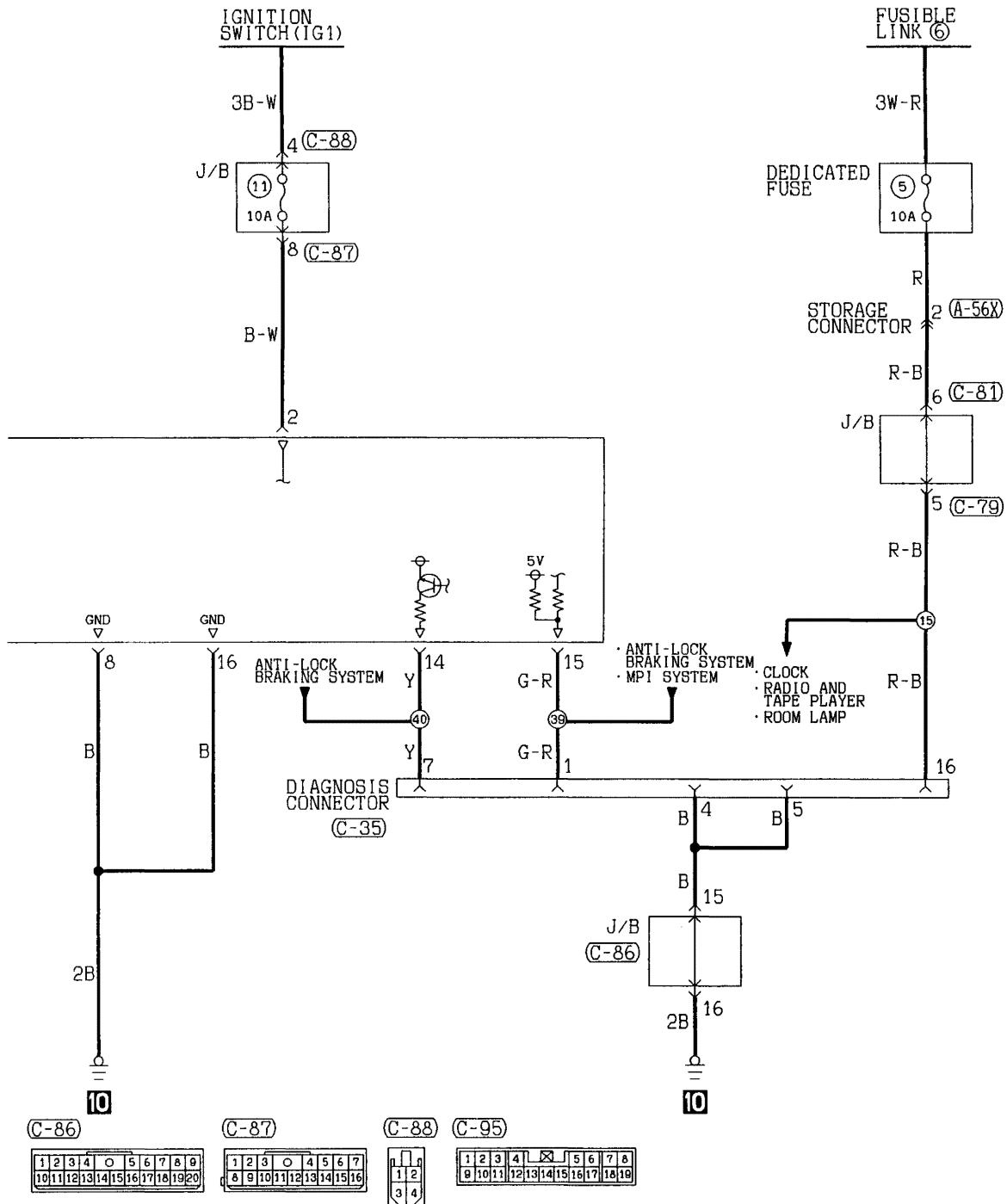


IMMOBILIZER SYSTEM

90101380216

Petrol-powered vehicles <1998 Models>

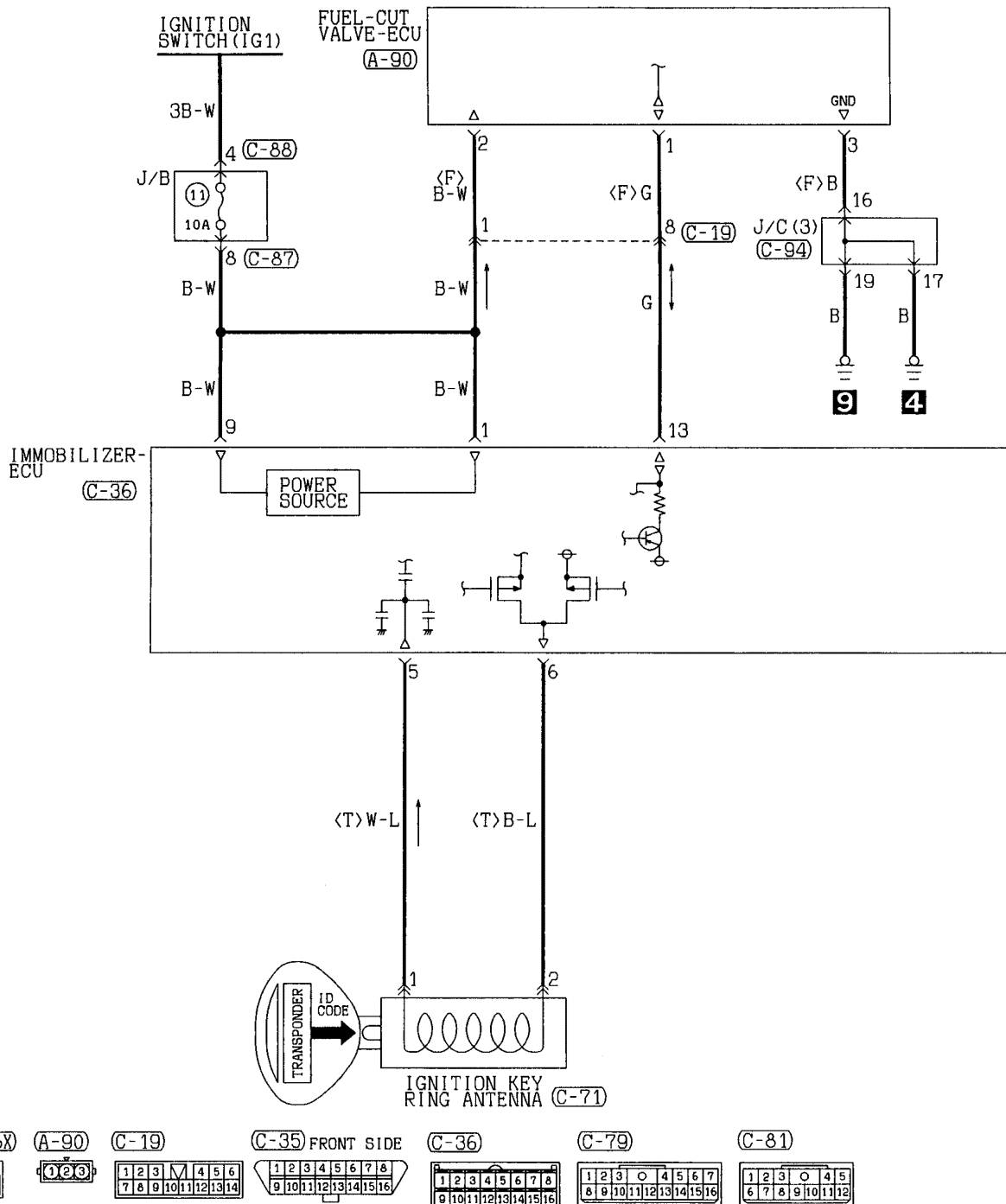


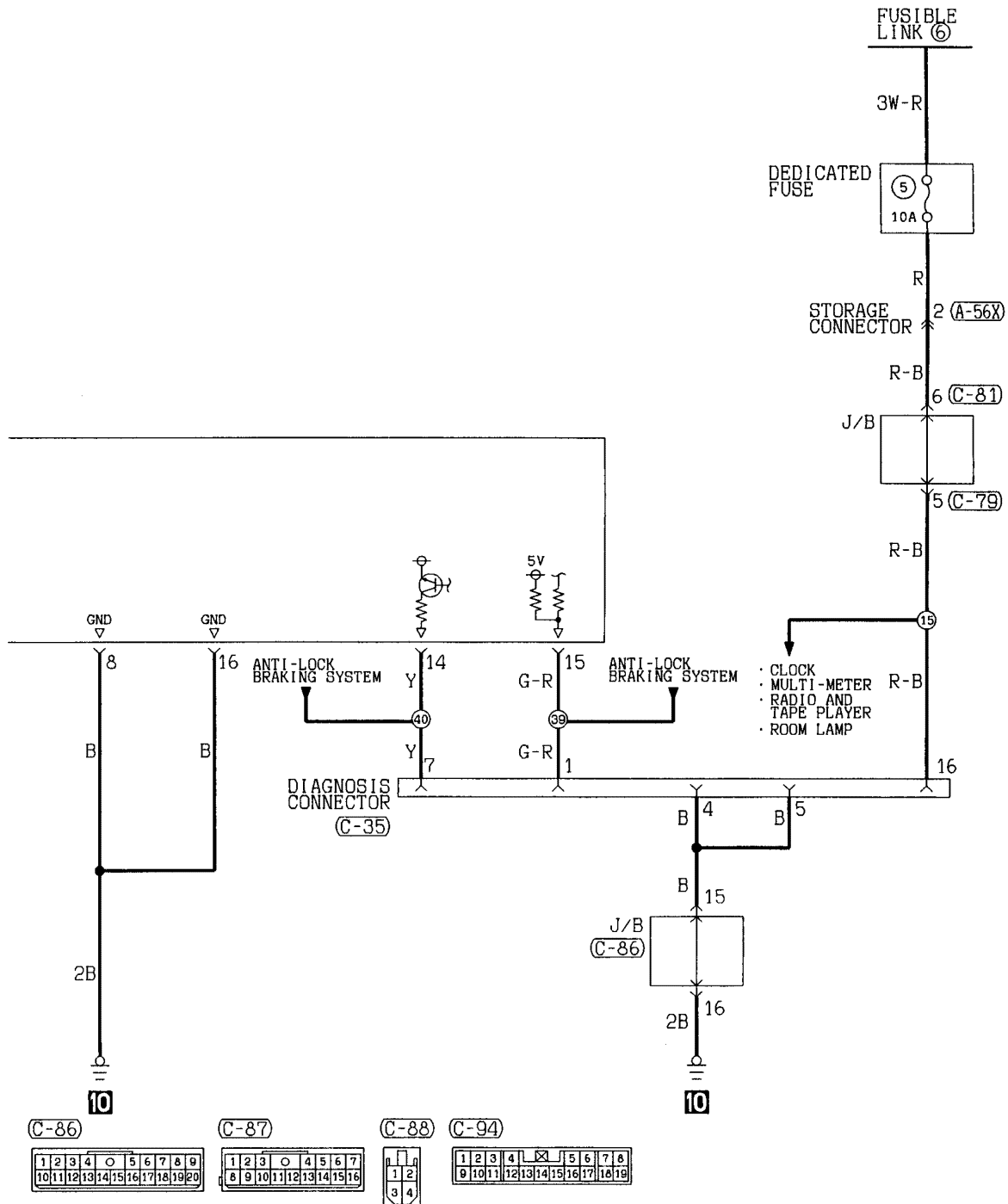


IMMOBILIZER SYSTEM

90101380056

Diesel-powered vehicles <1997 Models>

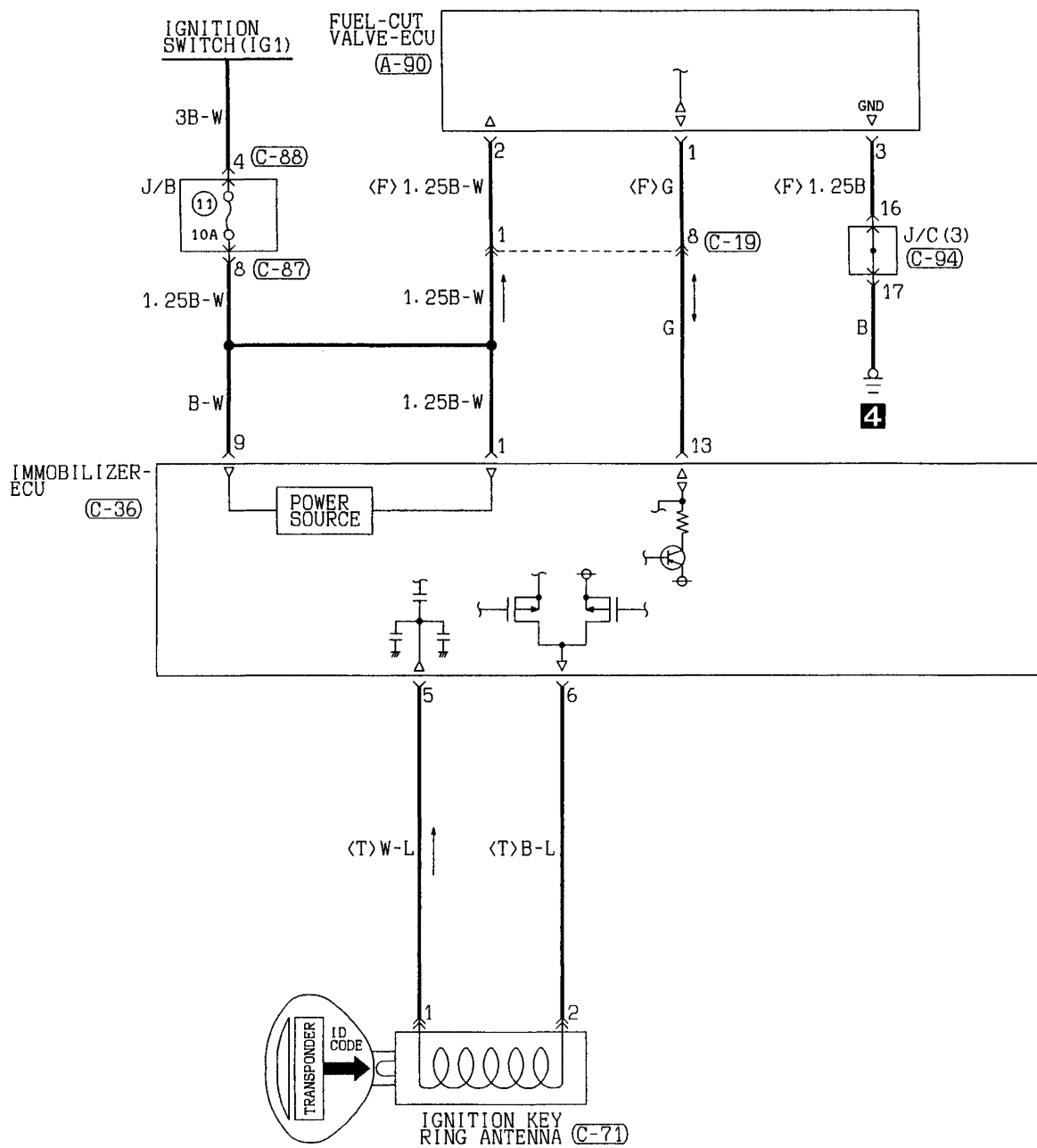




IMMOBILIZER SYSTEM

90101360223

Diesel-powered vehicles <1998 Models>



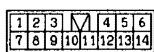
(A-56X)



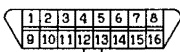
(A-90)



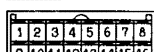
(C-19)



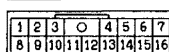
(C-35) FRONT SIDE



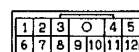
(C-36)

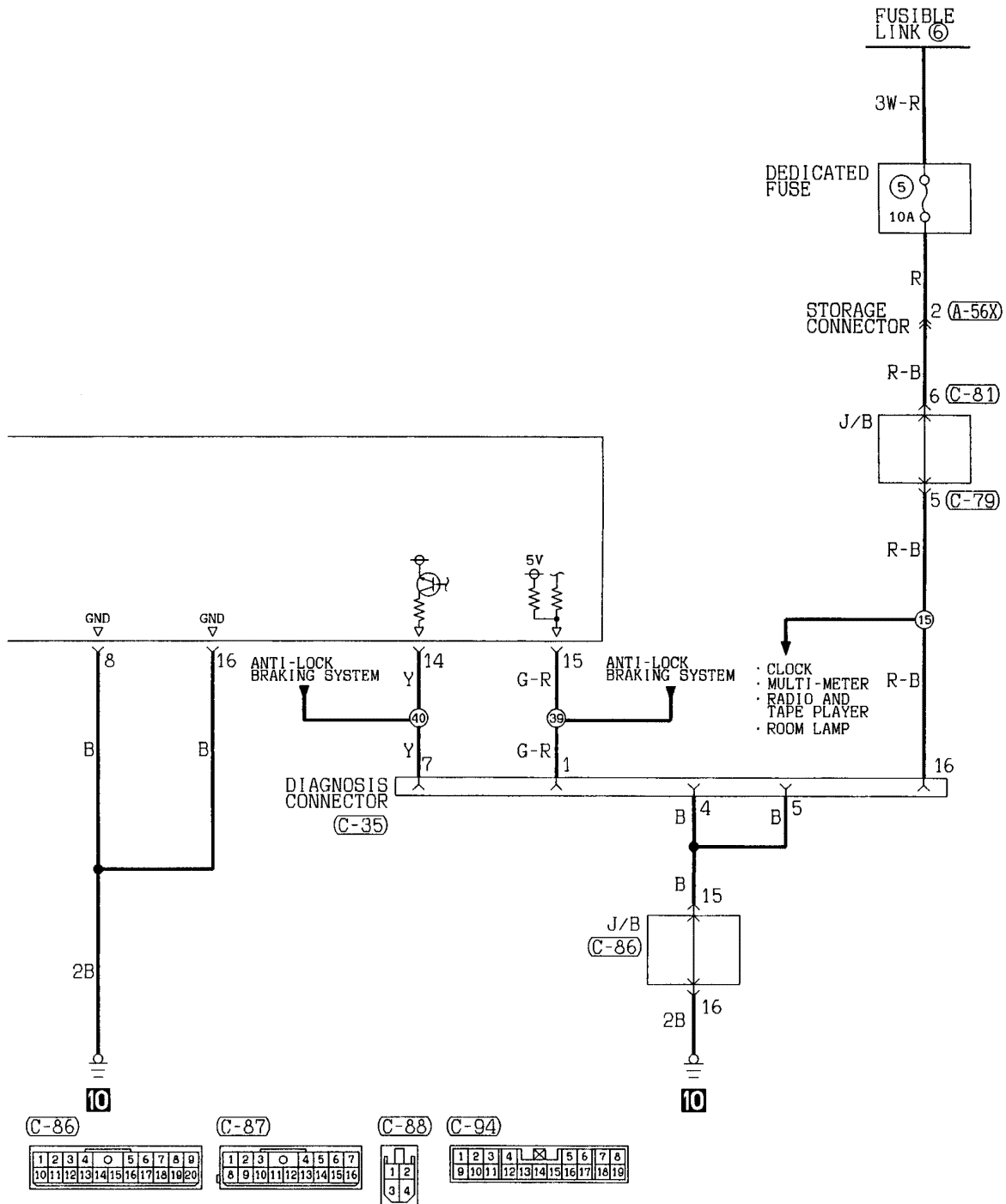


(C-79)



(C-81)

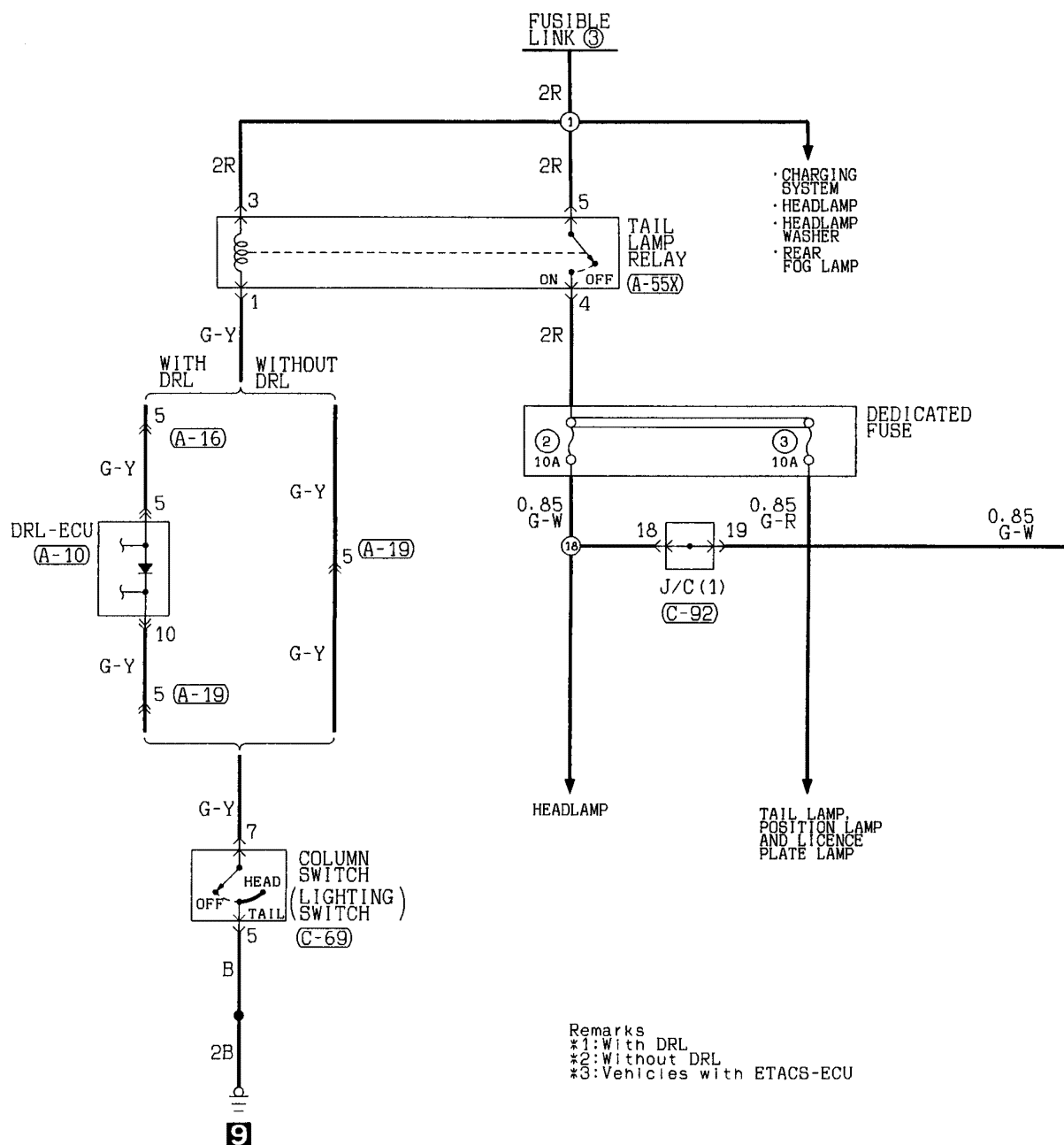




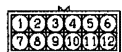
LIGHTING MONITOR BUZZER

90101140148

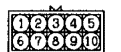
L.H. drive vehicles <1997 Models>



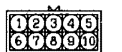
(A-10)



(A-16)



(A-19)



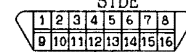
(A-55X)



(A-56X)

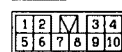


(C-35)

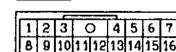


FRONT SIDE

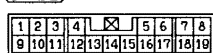
(C-69)



(C-79)



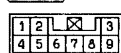
(C-92)

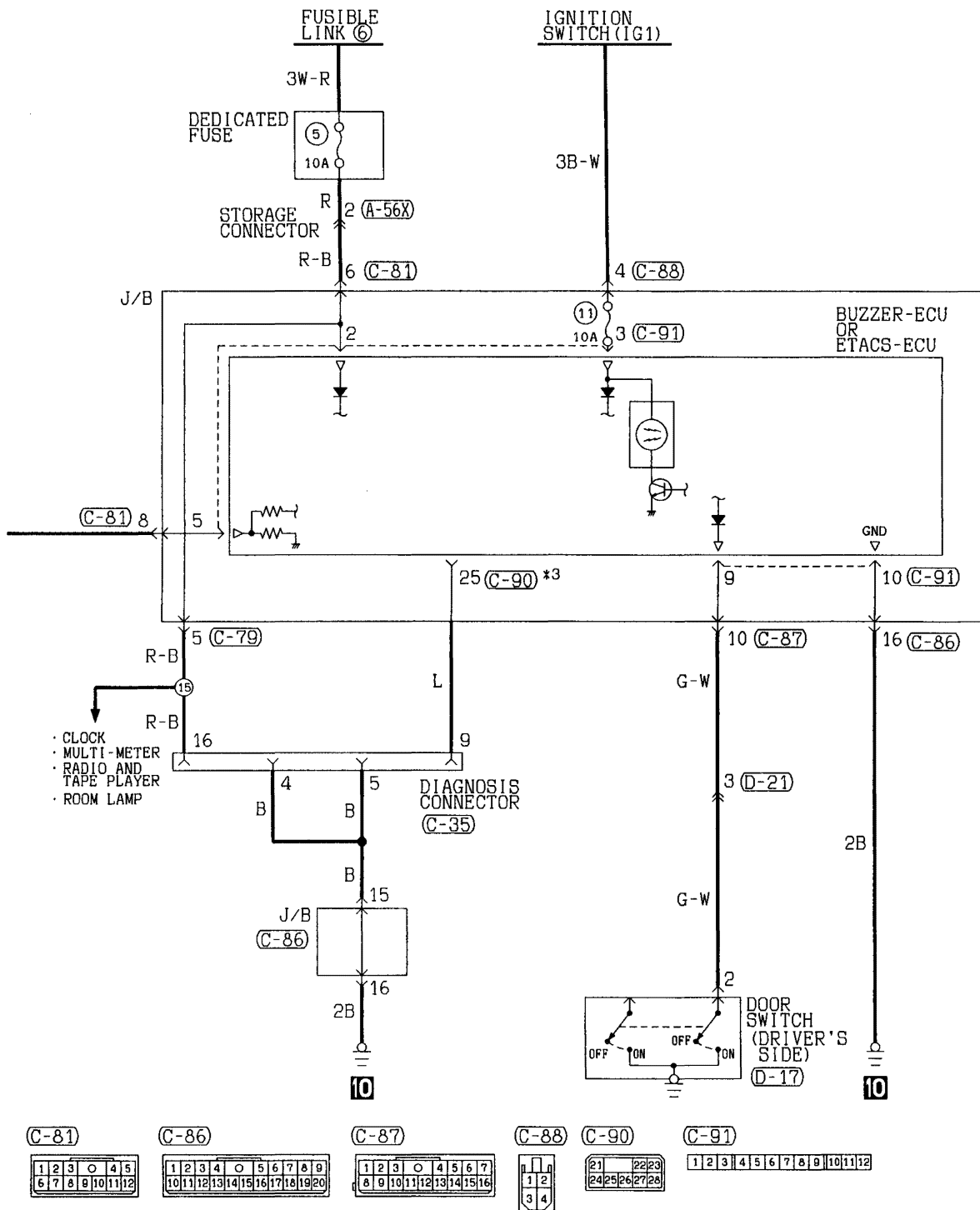


(D-17)

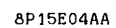
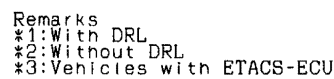


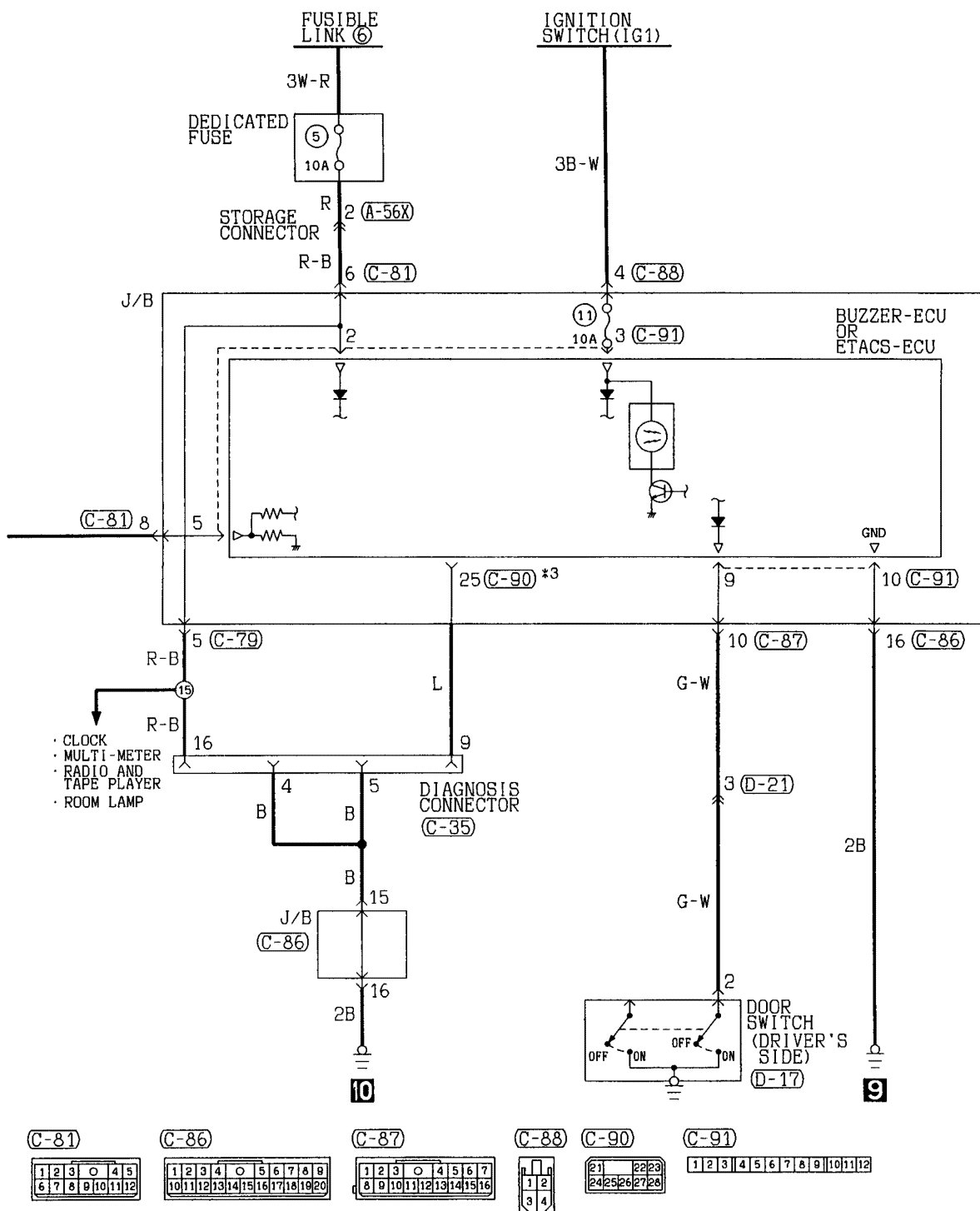
(D-21)





90101140377

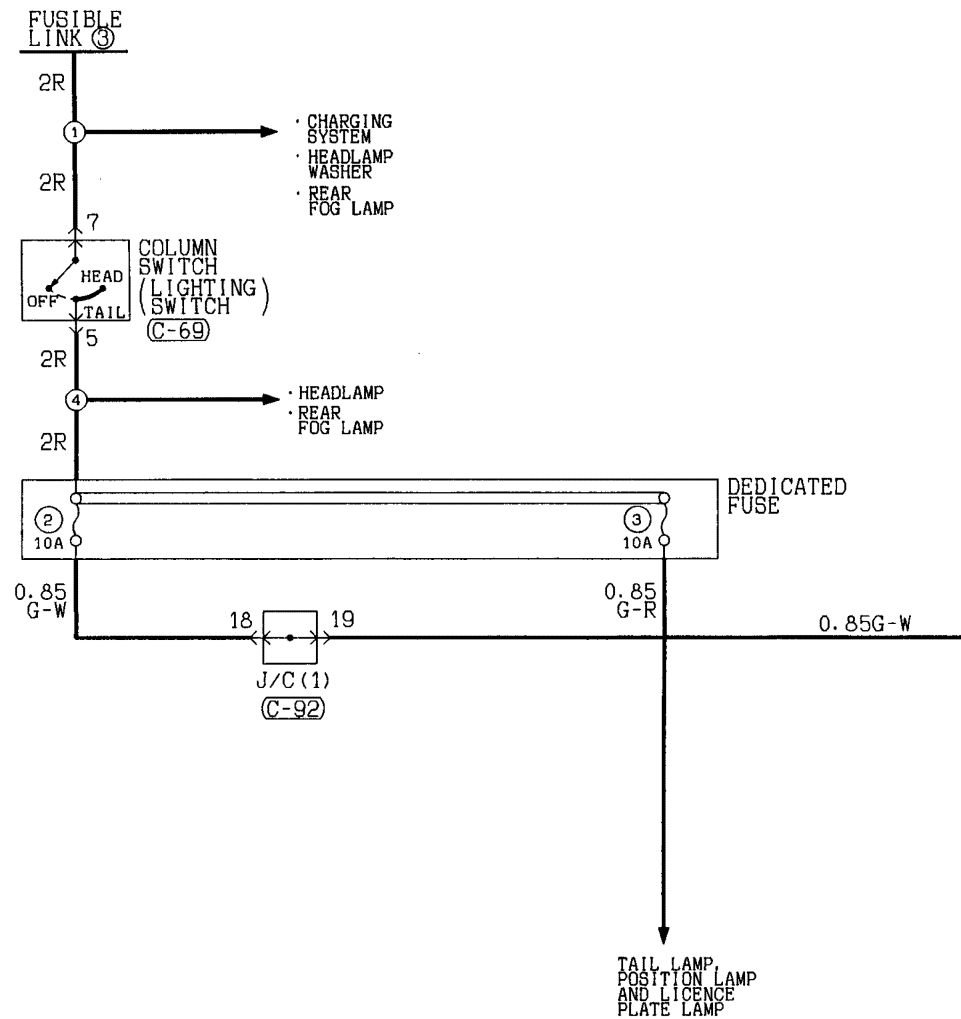




LIGHTING MONITOR BUZZER

90101140155

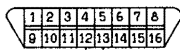
R.H. drive vehicles <1997 Models>



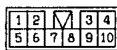
(A-56X)



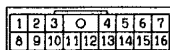
(C-35) FRONT SIDE



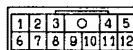
(C-69)



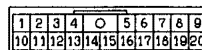
(C-79)



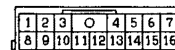
(C-81)

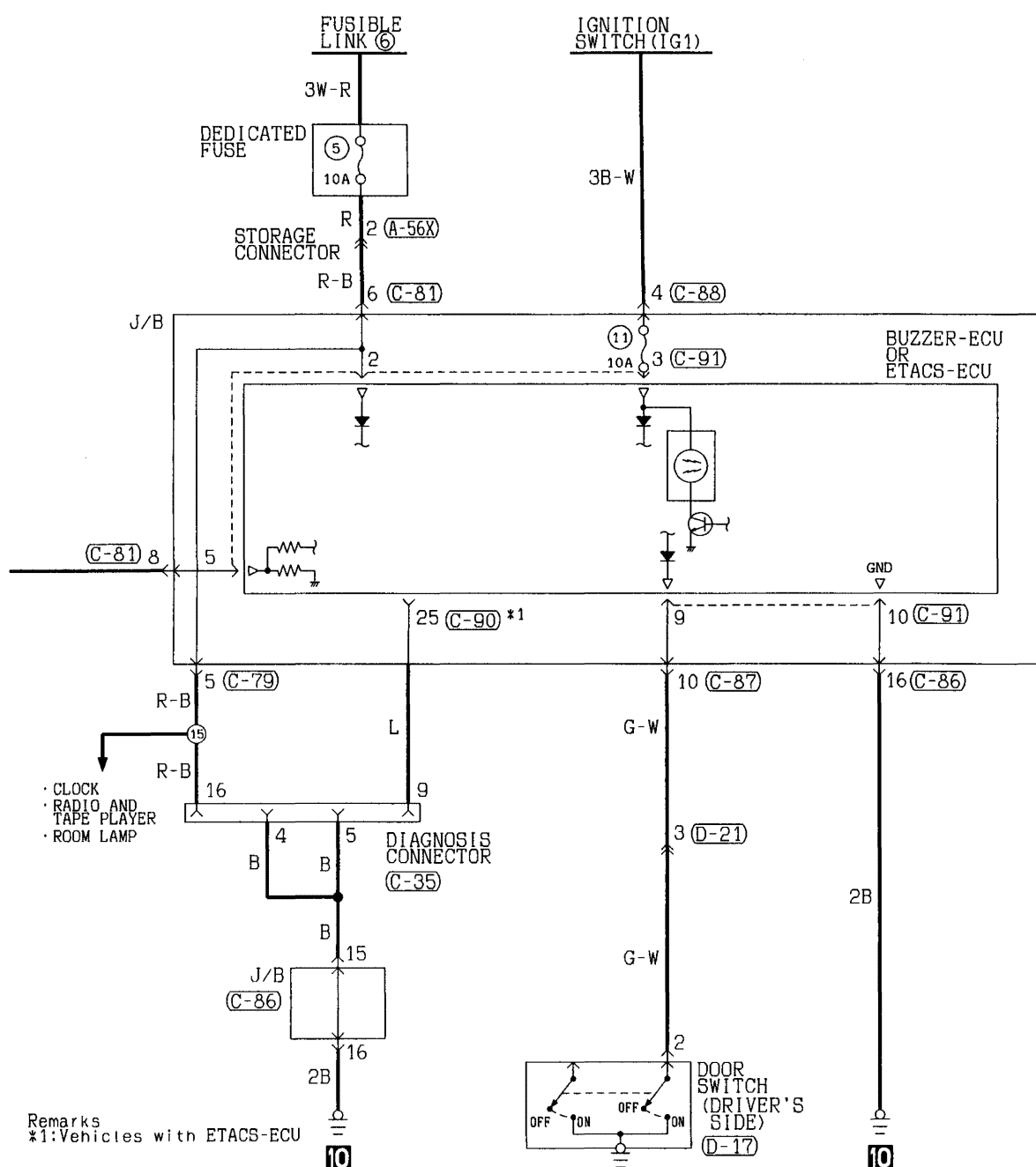


(C-86)



(C-87)

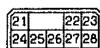




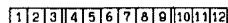
C-88



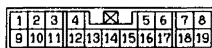
C-90



C-91



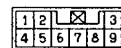
C-92



D-17



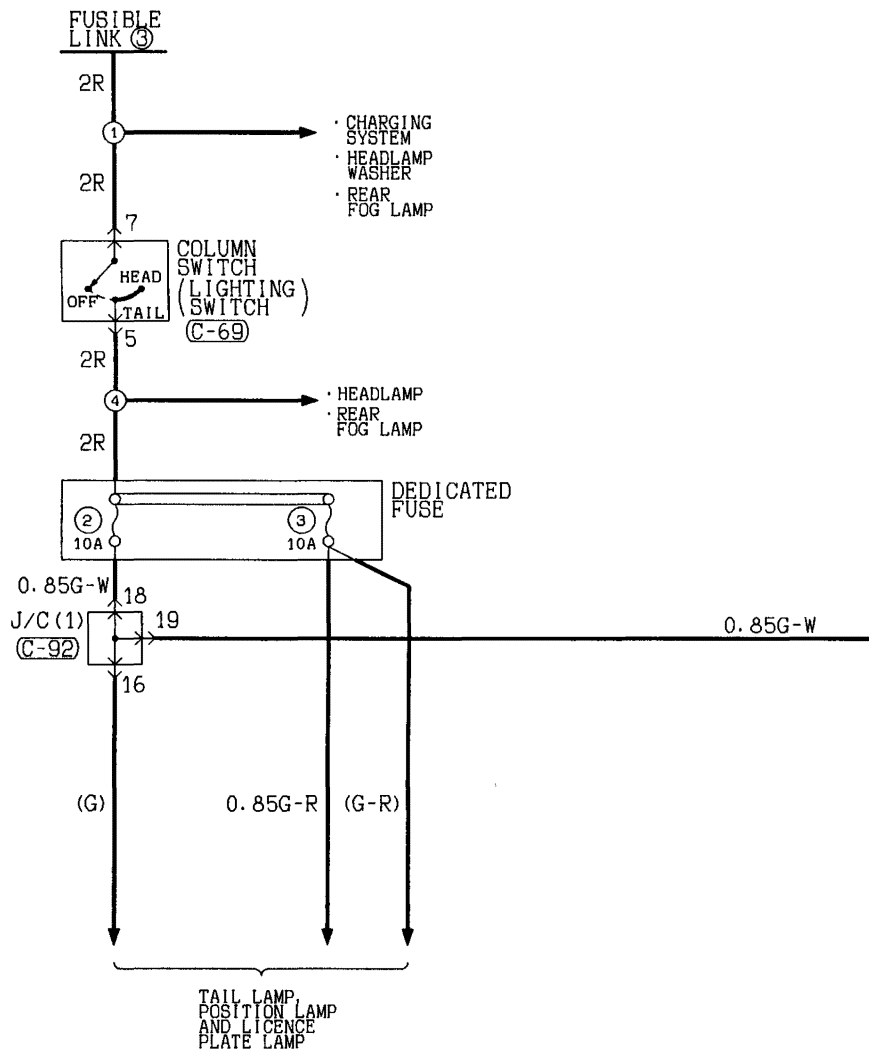
D-21



LIGHTING MONITOR BUZZER

90101140384

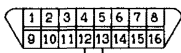
R.H. drive vehicles <1998 Models>



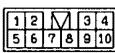
(A-56X)



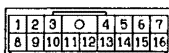
(C-35) FRONT SIDE



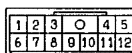
(C-69)



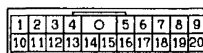
(C-79)



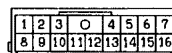
(C-81)

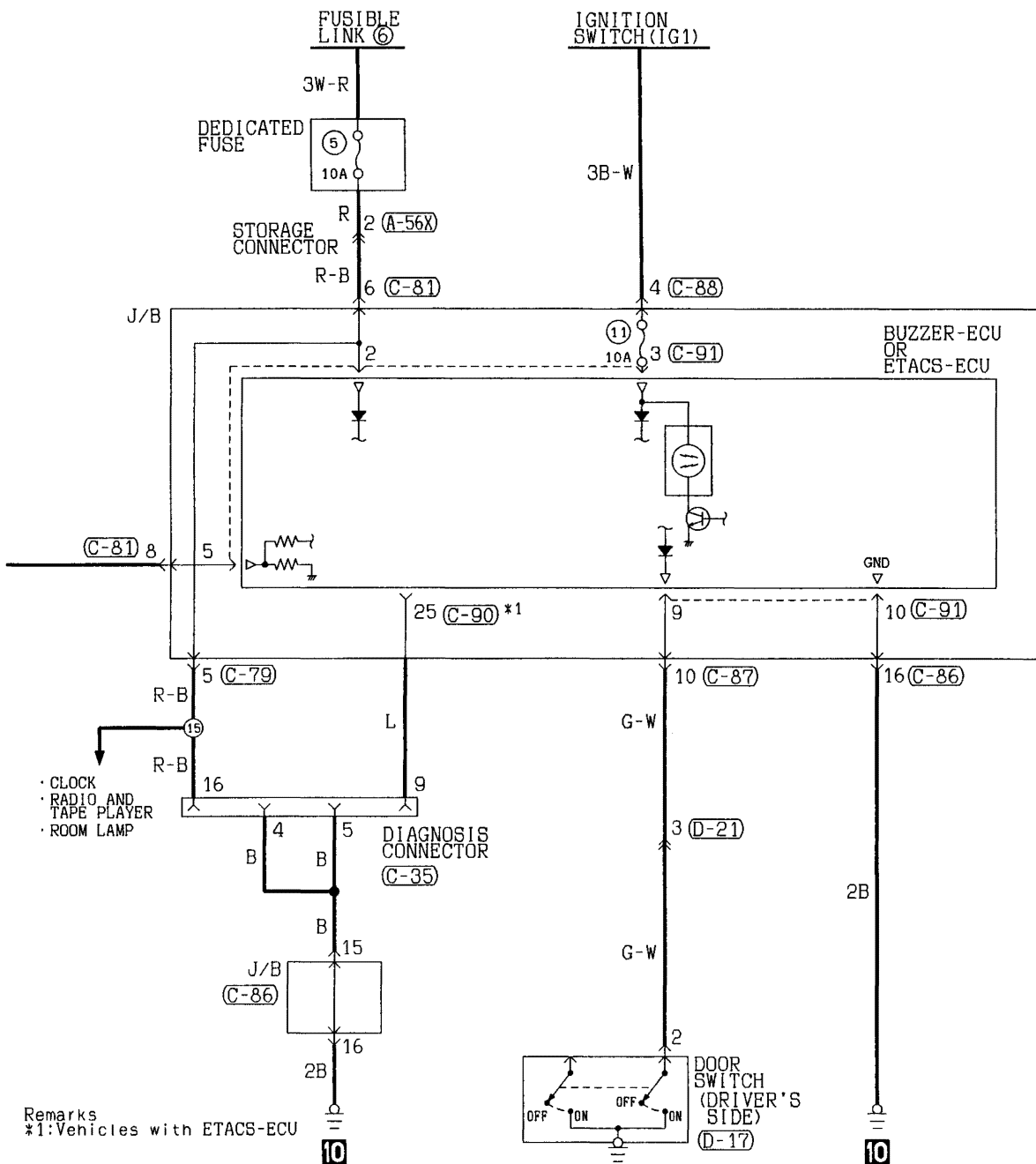


(C-86)



(C-87)





(C-88)

1	2
3	4

(C-90)

21	22	23
24	25	26
27	28	

(C-91)

1	2	3	4	5	6	7	8	9	10	11	12
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(C-92)

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

(D-17)

1	2
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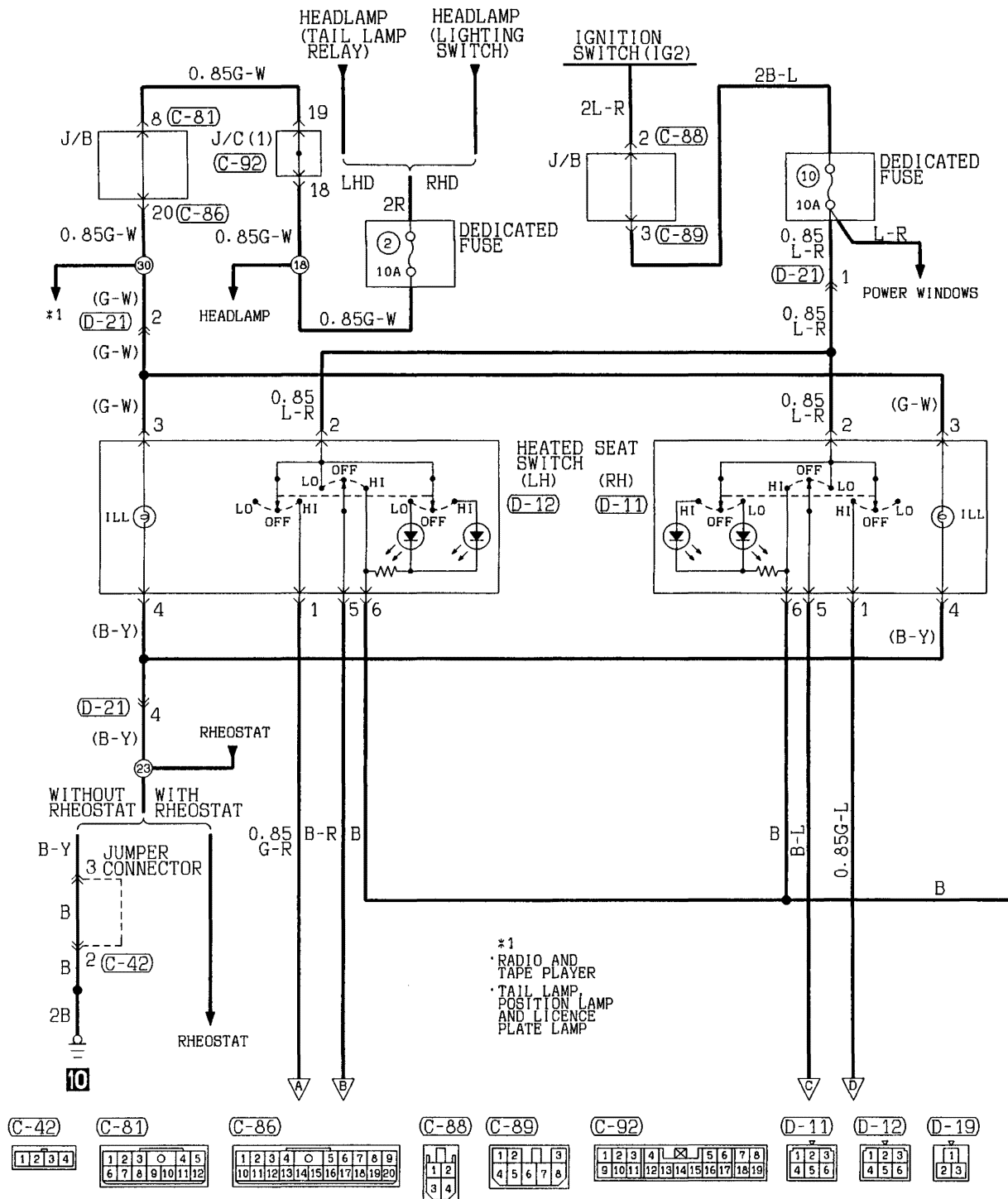
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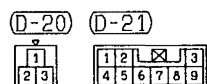
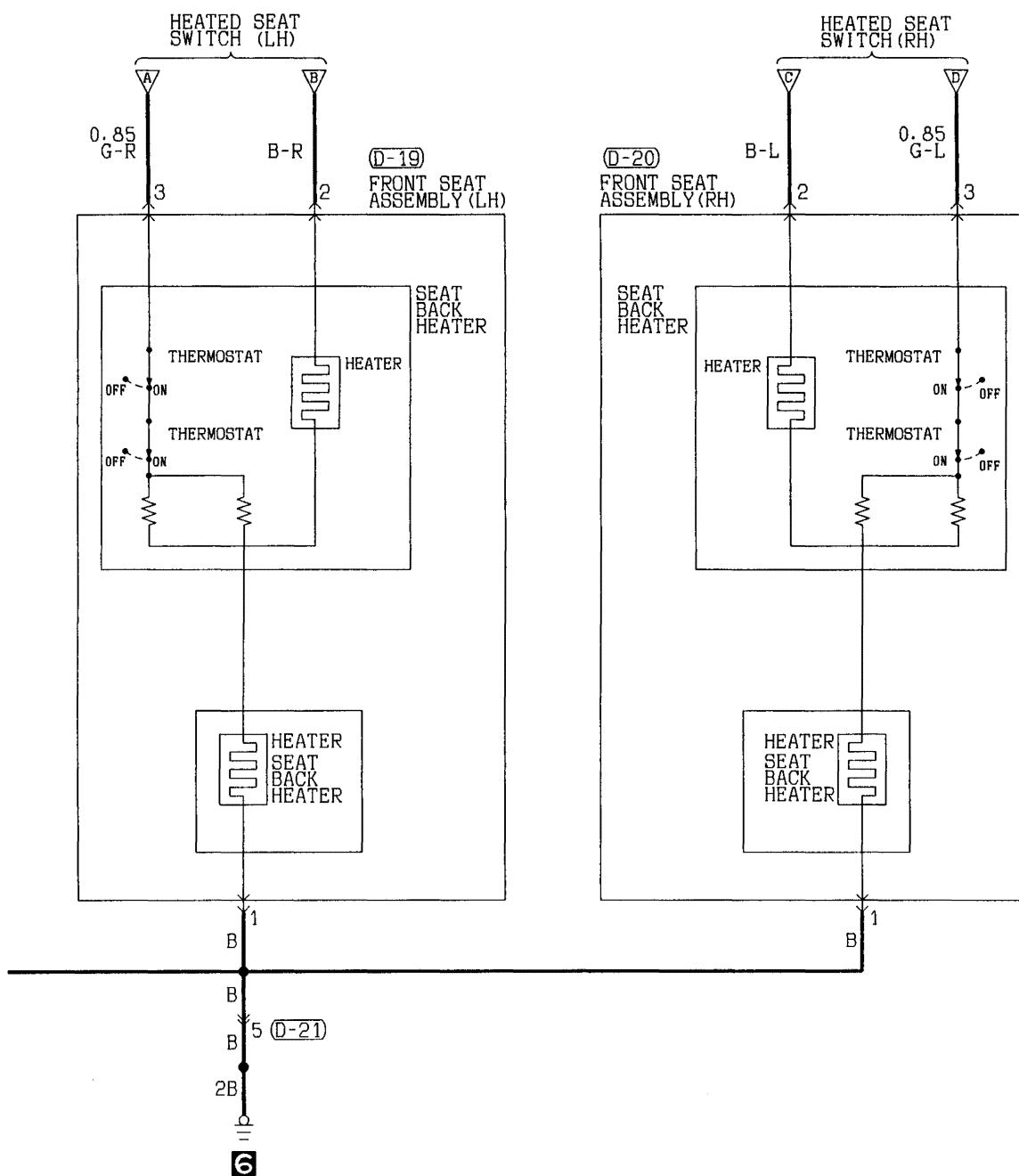
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HEATED SEAT

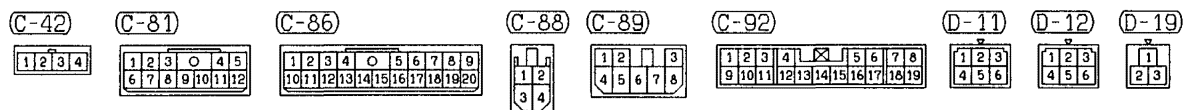
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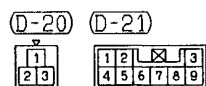
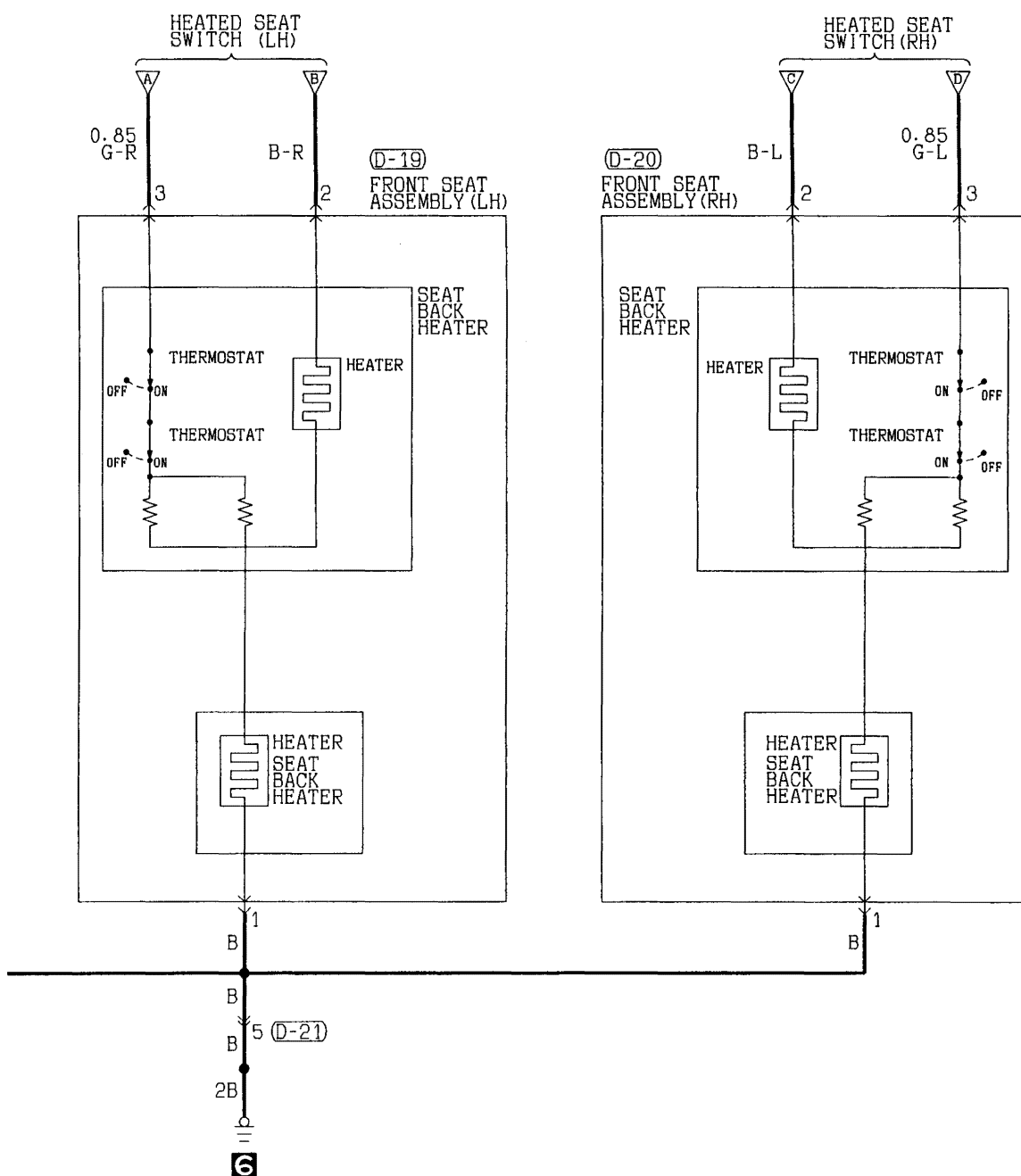
1997 Models





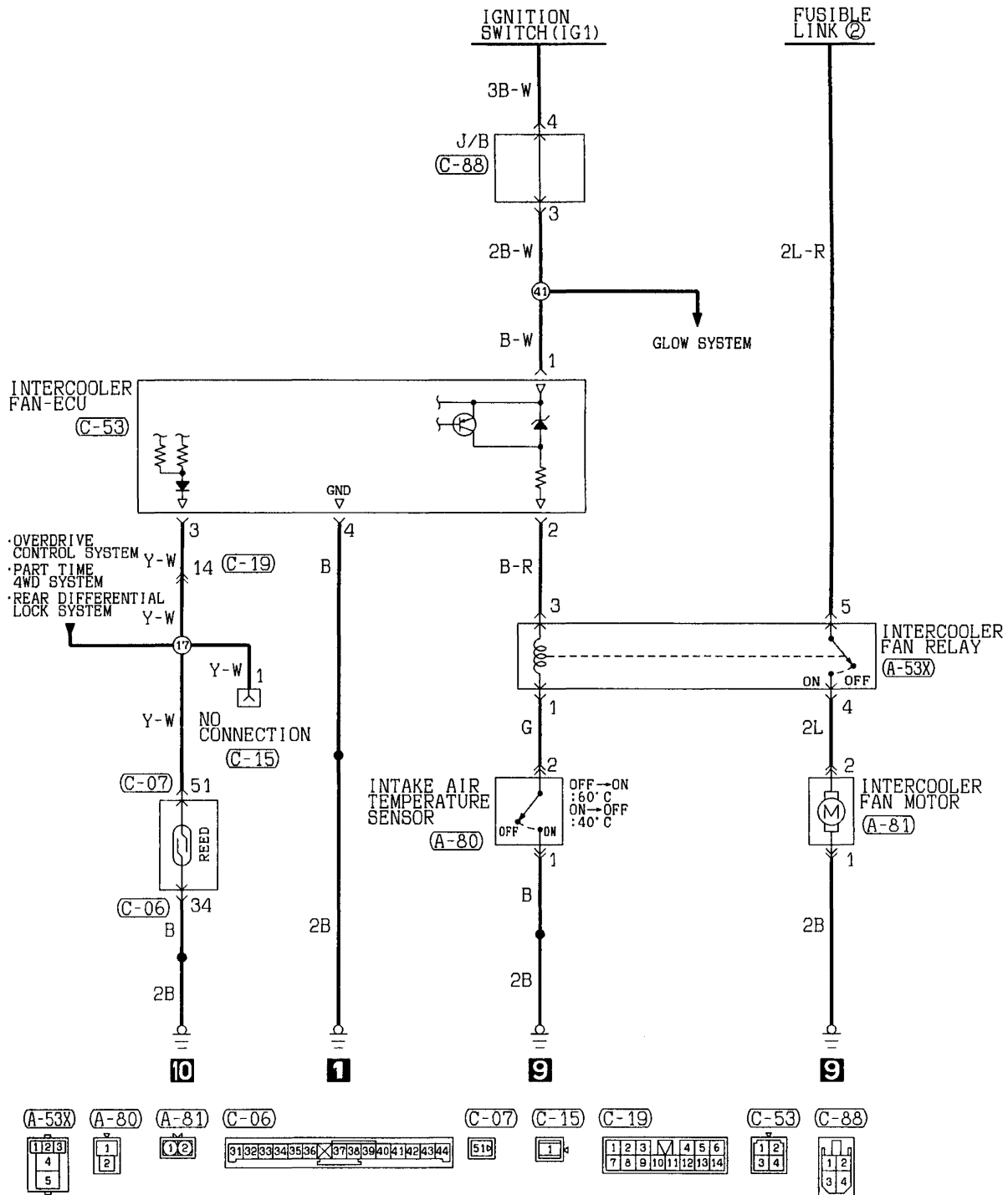
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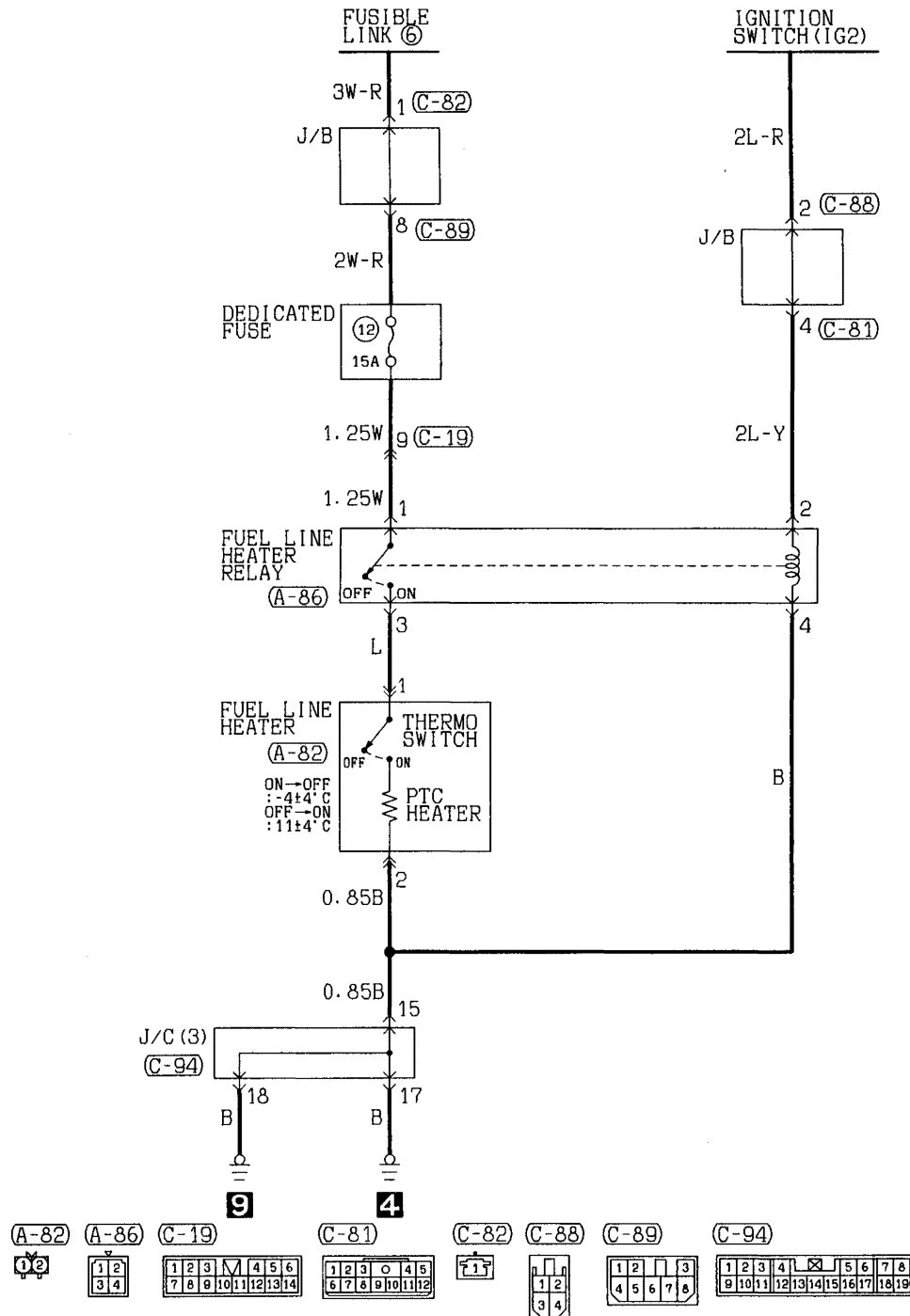
INTERCOOLER FAN

90100890013



FUEL LINE HEATER

90101480011



NOTES

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90109010090

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C-93	J/C (2)	4-6, 84, 88, 91, 93, 97, 99, 110, 114, 118, 122, 127, 129, 134, 135, 137, 186, 187, 189, 219, 226	2-21, 27
C-94	J/C (3)	4-7, 43, 44, 50, 52, 54, 58, 60, 62, 83, 87, 96, 98, 145, 149, 170, 174, 178, 189, 224, 238, 240, 255	2-21, 27
C-95	J/C (4)	4-8, 43, 44, 54, 55, 62, 63, 236	2-21
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C-98X	Rear heater relay	4-18, 182	2-23
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Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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D-02	Body wiring harness and frame wiring harness combination	4-51, 59, 101, 103, 105, 107, 112, 116, 120, 124, 135, 137, 139, 140, 144, 148, 215, 221, 223	2-30, 31, 32, 33
D-03	Front door switch (passenger's side)	4-130, 131	2-30, 31, 32, 33
D-04	Floor wiring harness and rear door wiring harness (RH) combination	4-164, 168	2-33
D-05	Front wiring harness and rear door wiring harness (RH) combination	4-157, 205	2-33
D-06	Map lamp	4-131	2-33
D-07	Rear door switch (RH)	4-131	2-33

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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D-09	Room lamp	4-130, 131	2-30, 31, 32, 33
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D-12	Heated seat switch (LH)	4-259, 252	2-30, 31, 32, 33
D-13	Parking brake switch	4-148	2-30, 31, 32, 33
D-14	Rear door switch (LH)	4-131	2-33
D-15	Floor wiring harness and rear door wiring harness (LH) combination	4-156, 205, 207	2-33
D-16	Floor wiring harness and rear door wiring harness (LH) combination	4-164, 168	2-33
D-17	Front door switch (driver's side)	4-130, 131, 133, 243, 245, 247	2-30, 31, 32, 33
D-18	No connection	-	2-30, 31, 32, 33
D-19	Front seat assembly (LH)	4-251, 253	2-30, 31, 32, 33
D-20	Front seat assembly (RH)	4-251, 253	2-30, 31, 32, 33
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Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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E-03	Power window main switch	4-160, 166, 215	2-34, 35
E-04	Power window sub switch (rear: LH)	4-164, 168	2-35
E-05	Door lock actuator (rear: LH)	4-156	2-35
E-06	Rear door speaker (LH)	4-205, 207	2-35
E-07	Power window motor (rear: LH)	4-164, 168	2-35
E-08	Power window limit switch (rear: LH)	4-164, 168	2-35
E-09	Door lock actuator (driver's side)	4-152, 156	2-34, 35

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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E-11	Power window motor (driver's side)	4-160, 161, 163, 167	2-34, 35
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E-13	Power window sub switch (front passenger's side)	4-160, 162, 166	2-34, 35
E-14	Door lock key cylinder switch	4-152	2-34, 35
E-15	Power window sub switch (rear: RH)	4-164, 168	2-35
E-16	Door lock actuator (rear: RH)	4-157	2-35
E-17	Rear door speaker (RH)	4-205, 207	2-35
E-18	Power window motor (rear: RH)	4-164, 168	2-35
E-19	Power window limit switch (rear: RH)	4-164, 168	2-35
E-20	Door lock actuator (front passenger's side)	4-152, 156	2-34, 35
E-21	Power window limit switch (front passenger's side)	4-160, 161, 162, 166	2-34, 35
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F-03	Rear differential lock detection switch	4-221, 223	2-36
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F-06	Rear combination lamp (RH) <with cargo bed>	4-101, 103, 105, 107, 135, 137, 139, 140	2-36
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Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Body wiring harness and front door wiring harness (passenger's side) combination	C-16	4-193, 195, 196, 197, 198, 199	2-18, 24
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Body wiring harness and J/B combination	C-87	4-4, 5, 26, 38, 50, 58, 66, 70, 74, 78, 96, 130, 131, 133, 134, 135, 136, 137, 146, 149, 169, 170, 174, 178, 186, 187, 190, 194, 195, 210, 212, 216, 228, 229, 231, 233, 235, 237, 238, 240, 243, 245, 247, 249	2-23, 29
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Combination meter	C-05	4-69, 73, 77, 81, 135, 137, 145, 212, 216	2-18, 24
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Glow plug relay	A-88	4-48	2-11, 15
Glow plug relay	A-89	4-48	2-11, 15
Glow-ECU <Diesel>	C-49	4-48, 50	2-20, 26

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Hazard switch	C-09	4-134, 136	2-18, 24
Headlamp (LH)	A-20	4-82, 86, 90, 92, 96, 98	2-5, 8, 12
Headlamp (RH)	A-34	4-82, 86, 90, 92, 96, 98	2-5, 9, 13
Headlamp leveling switch	C-32	4-127, 129	2-19, 25
Headlamp leveling unit (LH)	A-18	4-126, 128	2-4, 8, 12
Headlamp leveling unit (RH)	A-35	4-126, 128	2-5, 9, 13
Headlamp relay	A-54X	4-13, 18, 24, 30, 36, 82, 86, 90, 92, 96, 98, 110, 114, 118, 122	2-6, 10, 14
Headlamp washer motor	A-21	4-189	2-5, 9, 13
Headlamp washer relay	A-15	4-189	2-4, 8, 12
Heated seat switch (LH)	D-12	4-259, 252	2-30, 31, 32, 33
Heated seat switch (RH)	D-11	4-250, 252	2-30, 31, 32, 33
High range/Low range detection switch	B-05	4-225, 227	2-16
Horn (HI)	A-32	4-142, 143	2-5, 9, 13
Horn (HI)	A-33	4-142, 143	2-5, 9, 13
Horn (LO)	A-22	4-142, 143	2-5, 9, 13
Horn (LO)	A-23	4-142, 143	2-5, 9, 13
Horn relay <SRS>	A-40	4-142	2-5, 9, 13
Horn switch	C-77	4-142	2-22, 28

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Idle speed control servo	A-50	4-55, 63	2-6
Idle-up solenoid valve <A/C>	A-84	4-177, 181	2-11, 15
Idle-up solenoid valve <ABS-M/T>	A-79	4-214, 218	2-10, 14
Ignition coil	A-65	4-43, 44, 52, 60	2-7
Ignition key ring antenna	C-71	4-234, 236, 238, 240	2-22, 28
Ignition switch	C-70	4-19, 25, 31, 37	2-22, 28
Ignition timing adjustment connector	A-42	4-43, 44, 55, 63	2-6
Immobilizer-ECU	C-36	4-56, 64, 234, 236, 238, 240	2-19, 25
Inhibitor switch <A/T>	B-01	4-68, 72, 76, 80, 140	2-16
Injector 1	A-61	4-54, 62	2-7
Injector 2	A-57	4-54, 62	2-6
Injector 3	A-46	4-54, 62	2-6
Injector 4	A-45	4-54, 62	2-6
Intake air temperature switch	A-80	4-254	2-11, 14
Inter cooler fan-ECU <Diesel>	C-53	4-254	2-20, 26
Intercooler fan motor	A-81	4-254	2-11, 14
Intercooler fan relay	A-53X	4-13, 254	2-6, 10

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
J/C (1)	C-92	4-6, 46, 47, 49, 55, 63, 66, 70, 74, 78, 84, 88, 91, 93, 96, 97, 98, 99, 100, 102, 103, 106, 110, 111, 114, 115, 119, 123, 127, 129, 134, 136, 146, 151, 169, 170, 174, 178, 182, 189, 190, 193, 194, 202, 203, 204, 206, 208, 210, 211, 213, 217, 220, 222, 228, 229, 242, 244, 246, 248, 250, 252	2-21, 27
J/C (2)	C-93	4-6, 84, 88, 91, 93, 97, 99, 110, 114, 118, 122, 127, 129, 134, 135, 137, 186, 187, 189, 219, 226	2-21, 27
J/C (3)	C-94	4-7, 43, 44, 50, 52, 54, 58, 60, 62, 83, 87, 96, 98, 145, 149, 170, 174, 178, 189, 224, 238, 240, 255	2-21, 27
J/C (4)	C-95	4-8, 43, 44, 54, 55, 62, 63, 236	2-21

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Key reminder switch	C-72	4-133	2-22, 28

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Lever (throttle) position switch <A/C-A/T>	A-94	4-179	2-11
Licence plate lamp (LH)	F-10	4-101, 103, 105, 107	2-36
Licence plate lamp (RH)	F-09	4-101, 103, 105, 107	2-36

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Magnetic clutch <A/C>	A-68	4-172, 177, 181	2-7, 10, 14
Map lamp	D-06	4-131	2-33
Multi-meter	C-45	4-151	2-20

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
No connection	D-18	–	2-30, 31, 32, 33
No connection (reed switch)	C-15	4-56, 64, 67, 71, 75, 79, 145, 221, 223, 224, 226, 254	2-18, 24
Noise filter	A-62	4-43, 44, 52, 60	2-7
Noise filter	A-63	4-43, 44, 52, 60	2-7

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Oil pressure switch	A-73	4-149	2-7, 10, 14
Outside thermo sensor <with multi-meter> or no connection <without multi-meter>	A-25	4-151	2-9
Overdrive control relay	C-37	4-67, 71, 75, 79	2-19
Overdrive solenoid valve <A/T>	B-06	4-67, 71, 75, 79	2-16
Overdrive switch	C-29	4-66, 70, 74, 78	2-19
Oxygen sensor <MPI>	B-03	4-54, 62	2-16

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Parking brake switch	C-31	4-148	2-19, 25
Parking brake switch	D-13	4-148	2-30, 31, 32, 33
Power steering oil pressure switch	A-74	4-55, 63	2-7
Power transistor	A-70	4-43, 44, 52, 60	2-7
Power window limit switch (driver's side)	E-10	4-160, 161, 163, 167	2-34, 35
Power window limit switch (front passenger's side)	E-21	4-160, 161, 162, 166	2-34, 35

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Power window limit switch (rear: LH)	E-08	4-164, 168	2-35
Power window limit switch (rear: RH)	E-19	4-164, 168	2-35
Power window main switch	E-03	4-160, 166, 215	2-34, 35
Power window motor (driver's side)	E-11	4-160, 161, 163, 167	2-34, 35
Power window motor (front passenger's side)	E-22	4-160, 161, 162, 166	2-34, 35
Power window motor (rear: LH)	E-07	4-164, 168	2-35
Power window motor (rear: RH)	E-18	4-164, 168	2-35
Power window relay	C-78X	4-14, 160, 162, 166	2-22, 28
Power window sub switch (front passenger's side)	E-13	4-160, 162, 166	2-34, 35
Power window sub switch (rear: LH)	E-04	4-164, 168	2-35
Power window sub switch (rear: RH)	E-15	4-164, 168	2-35
Purge control solenoid valve	A-48	4-54, 62	2-6

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Radio and tape player	C-13	4-202, 203, 204, 206, 208	2-18, 24
Rear blower motor	D-25	4-183, 184	2-33
Rear combination lamp (LH) <with cargo bed>	F-13	4-101, 103, 105, 107, 135, 137, 139, 140	2-36
Rear combination lamp (LH) <without cargo bed>	F-14	4-101, 103, 105, 107, 135, 137, 139, 140, 157	2-36
Rear combination lamp (RH) <with cargo bed>	F-06	4-101, 103, 105, 107, 135, 137, 139, 140	2-36
Rear combination lamp (RH) <without cargo bed>	F-07	4-101, 103, 105, 107, 135, 137, 139, 140	2-36
Rear differential lock air pump	F-04	4-221, 223	2-36
Rear differential lock detection switch	F-03	4-221, 223	2-36
Rear differential lock switch	C-33	4-220, 221, 222, 223	2-19, 25
Rear differential lock-ECU	C-21	4-220, 222	2-19, 25
Rear door speaker (LH)	E-06	4-205, 207	2-35
Rear door speaker (RH)	E-17	4-205, 207	2-35
Rear door switch (LH)	D-14	4-131	2-33
Rear door switch (RH)	D-07	4-131	2-33
Rear fog lamp <LHD> <with cargo bed>	F-11	4-112, 116	2-36

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Rear fog lamp <RHD>	F-08	4-120, 125	2-36
Rear fog lamp <without cargo bed>	F-12	4-112, 116	2-36
Rear fog lamp relay	A-13	4-110, 114, 118, 122	2-4, 8, 12
Rear fog lamp switch	C-41	4-112, 116, 120, 124	2-20, 26
Rear heater illumination lamp	D-23	4-183, 184	2-33
Rear heater relay	C-98X	4-18, 182	2-23
Rear heater switch	D-24	4-183, 184	2-33
Remote controlled mirror (LH)	E-01	4-196, 197, 198, 199	2-34, 35
Remote controlled mirror (LH) <with door mirror heater>	E-23	4-195, 197, 199	2-34, 35
Remote controlled mirror (RH)	E-12	4-196, 197, 198, 199	2-34, 35
Remote controlled mirror (RH) <with door mirror heater>	E-24	4-195, 197, 199	2-34, 35
Remote controlled mirror switch	E-02	4-196, 215	2-34, 35
Revolution pick-up sensor	A-93	4-145	2-11, 15
Rheostat or joint connector	C-42	4-69, 73, 77, 81, 112, 116, 120, 124, 127, 129, 134, 136, 146, 169, 171, 175, 176, 183, 184, 202, 203, 204, 206, 208, 220, 222, 228, 229, 250, 252	2-20, 26
Roof wiring harness and J/B combination	C-80	4-4, 5, 130, 131	2-23, 29
Room lamp	D-09	4-130, 131	2-30, 31, 32, 33

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Side turn signal lamp (LH)	C-61	4-135, 137	2-21, 27
Side turn signal lamp (RH)	C-52	4-135, 137	2-20, 26
Solenoid valve 1 <4WD>	A-36	4-225, 227	2-5, 9, 13
Solenoid valve 2 <4WD>	A-37	4-225, 227	2-5, 9, 13
SRS diagnosis unit	C-27	4-230, 231, 232, 233	2-19, 25
SRS diagnosis unit	C-28	4-231, 233	2-19, 25
Starter	A-03	4-40, 41	2-4, 8, 12
Starter	A-04	4-40, 41	2-4, 8, 12
Starter relay <Petrol (A/T) and Diesel>	A-52X	4-13, 40, 41	2-6, 10, 14

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Stop lamp switch	C-34	4-139, 212, 216	2-19, 25
Storage connector	A-56X	4-13, 17, 23, 29, 35, 50, 58, 130, 131, 133, 151, 153, 154, 156, 158, 202, 203, 204, 206, 208, 209, 210, 212, 216, 230, 232, 235, 237, 239, 241, 243, 245, 247, 249	2-6, 10, 14

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Tail lamp relay	A-55X	4-13, 18, 24, 83, 87, 91, 93, 97, 99, 100, 102, 111, 115, 119, 123, 228, 229, 242, 244	2-6, 10, 14
Thermostat	C-46	4-171, 175, 179	2-20, 26
Thermostat wiring harness and body wiring harness combination	C-56	4-171, 175, 179	2-21, 26
Throttle position sensor	A-47	4-54, 62	2-6
Turn signal and hazard warning flasher unit	C-85	4-4, 5, 134, 136	2-23, 29

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Vacuum switch	A-85	4-148	2-11, 15

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Water level switch	A-83	4-149	2-11, 14
Wheel speed sensor (front: LH) <2WD-ABS>	A-07	4-214	2-4, 8, 12
Wheel speed sensor (front: LH) <4WD-ABS>	A-28	4-218	2-5, 9, 13
Wheel speed sensor (front: RH) <2WD-ABS>	A-01	4-214	2-4, 8, 12
Wheel speed sensor (front: RH) <4WD-ABS>	A-30	4-218	2-5, 9, 13
Wheel speed sensor (rear: LH) <ABS>	F-16	4-157, 214	2-36
Wheel speed sensor (rear: RH) <ABS>	F-01	4-214	2-36
Windshield washer motor	A-26	4-186, 187	2-5, 9, 13
Windshield wiper motor	A-05	4-186, 187	2-4, 8, 12