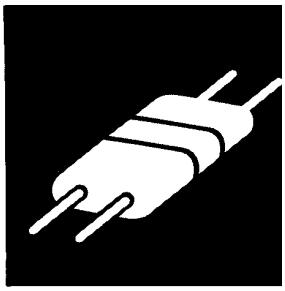
MITSUBISHI MOTORS

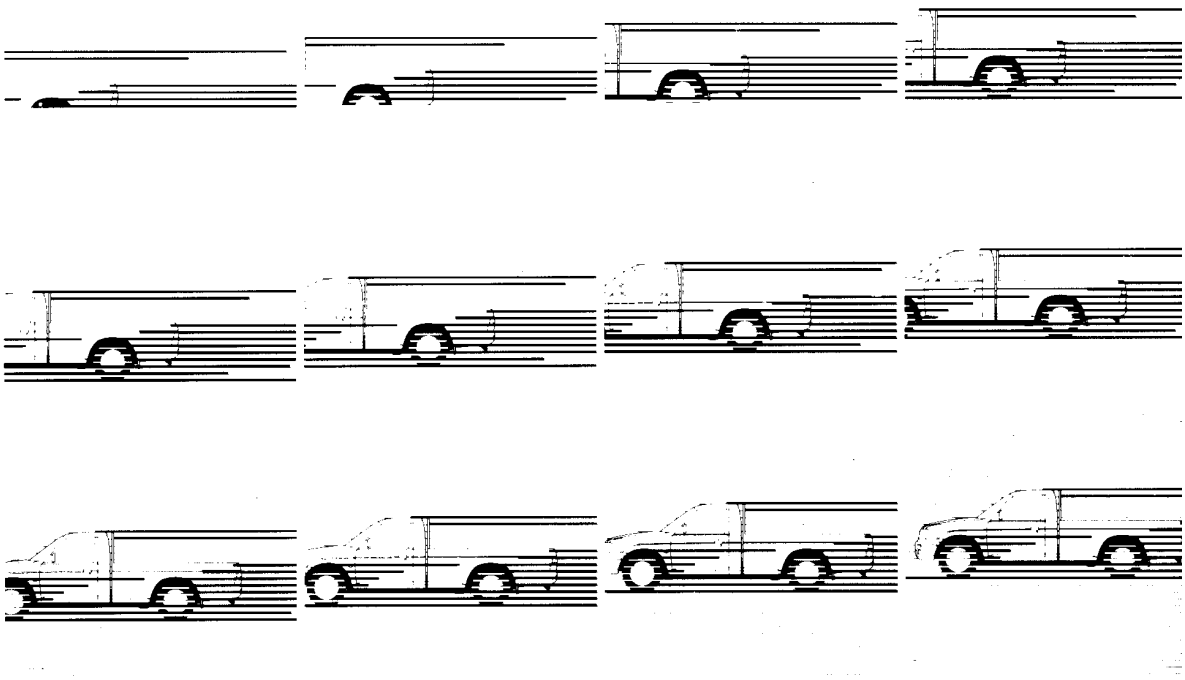
Workshop Manual

electrical wiring

SUPPLEMENT

L200 '98





Pub. No. PHTE96E1-B

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.

MITSUBISHI MOTORS CORPORATION

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HOW TO USE THIS MANUAL

00100010241

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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

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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

00100010258

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

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

HOW TO READ CONFIGURATION DIAGRAMS

00100640037

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.

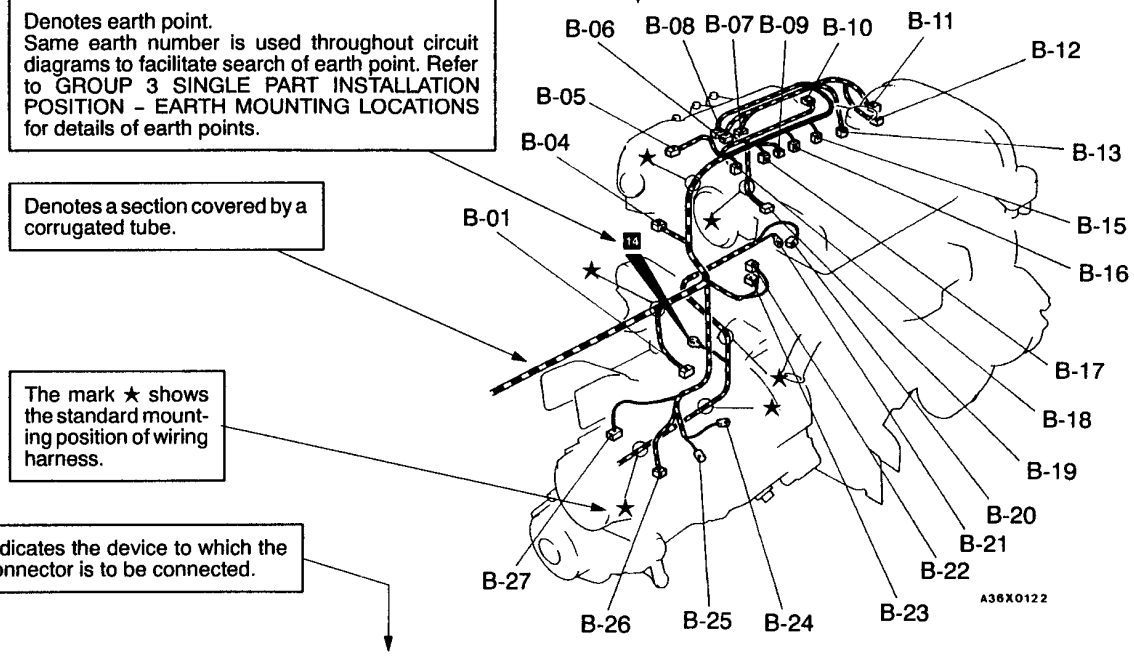
Example: A-12
- Number specific to connector (serial number)
- Connector location site symbol
  - A: Engine compartment
  - B: Transmission
  - C: Dash panel
  - D: Cabin
  - E: Door
  - F: Frame

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

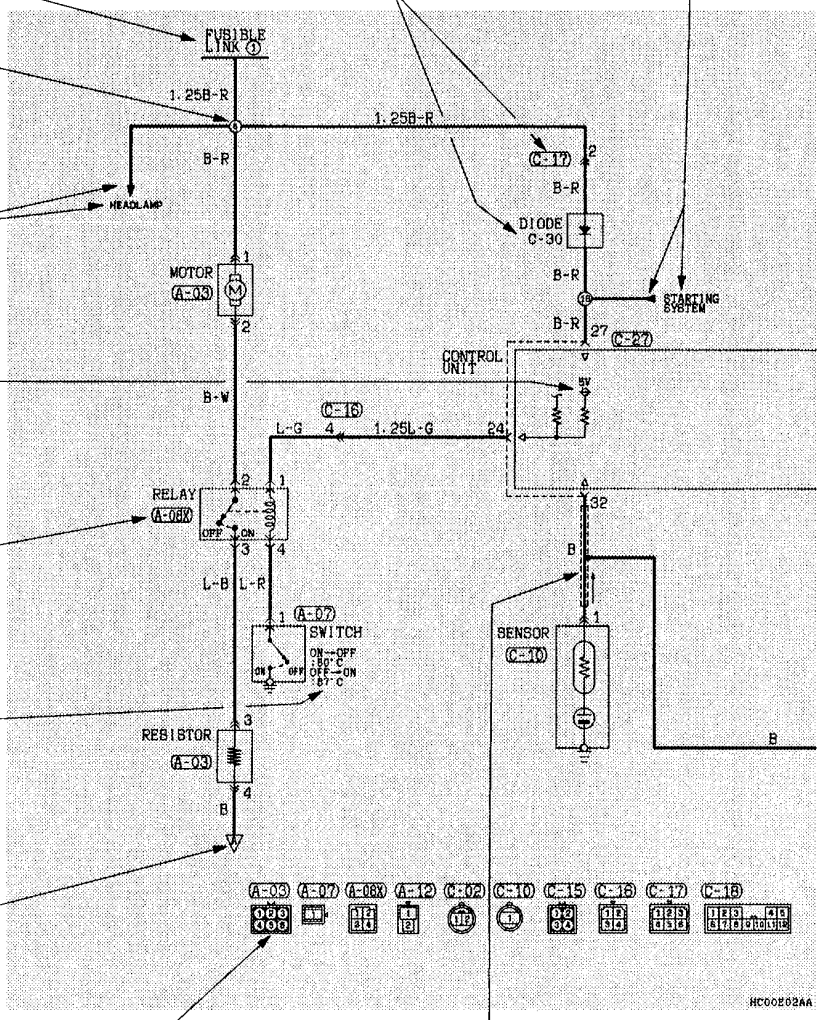
The number of connector pins and the connector colour (except milk white) are shown for ease of retrieval.
*: Typical connector colours
- B: Black
- Y: Yellow
- L: Blue
- G: Green
- R: Red
- BR: Brown
- V: Violet
- O: Orange
- GR: Gray

Example: (2-B)
- Connector colour (milk white if no colour is indicated)
- Number of connector pins

HOW TO READ CIRCUIT DIAGRAMS

00100650108

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.



Indicates power take out.

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

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

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

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

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

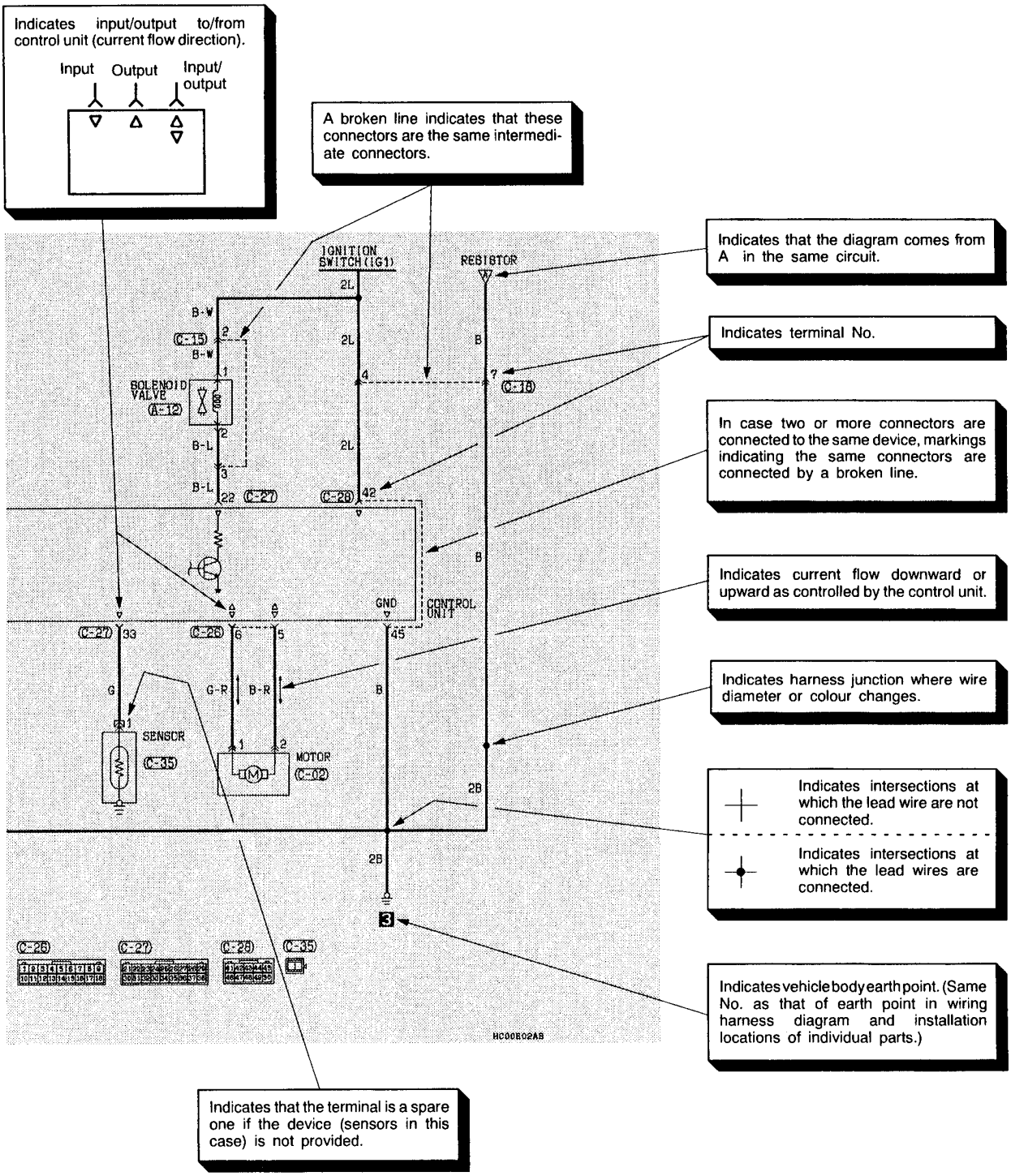
An "X" at the end of a connector No. indicates that the connector is connected to a centralized junction that is shown in the section "CENTRALIZED JUNCTION".

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

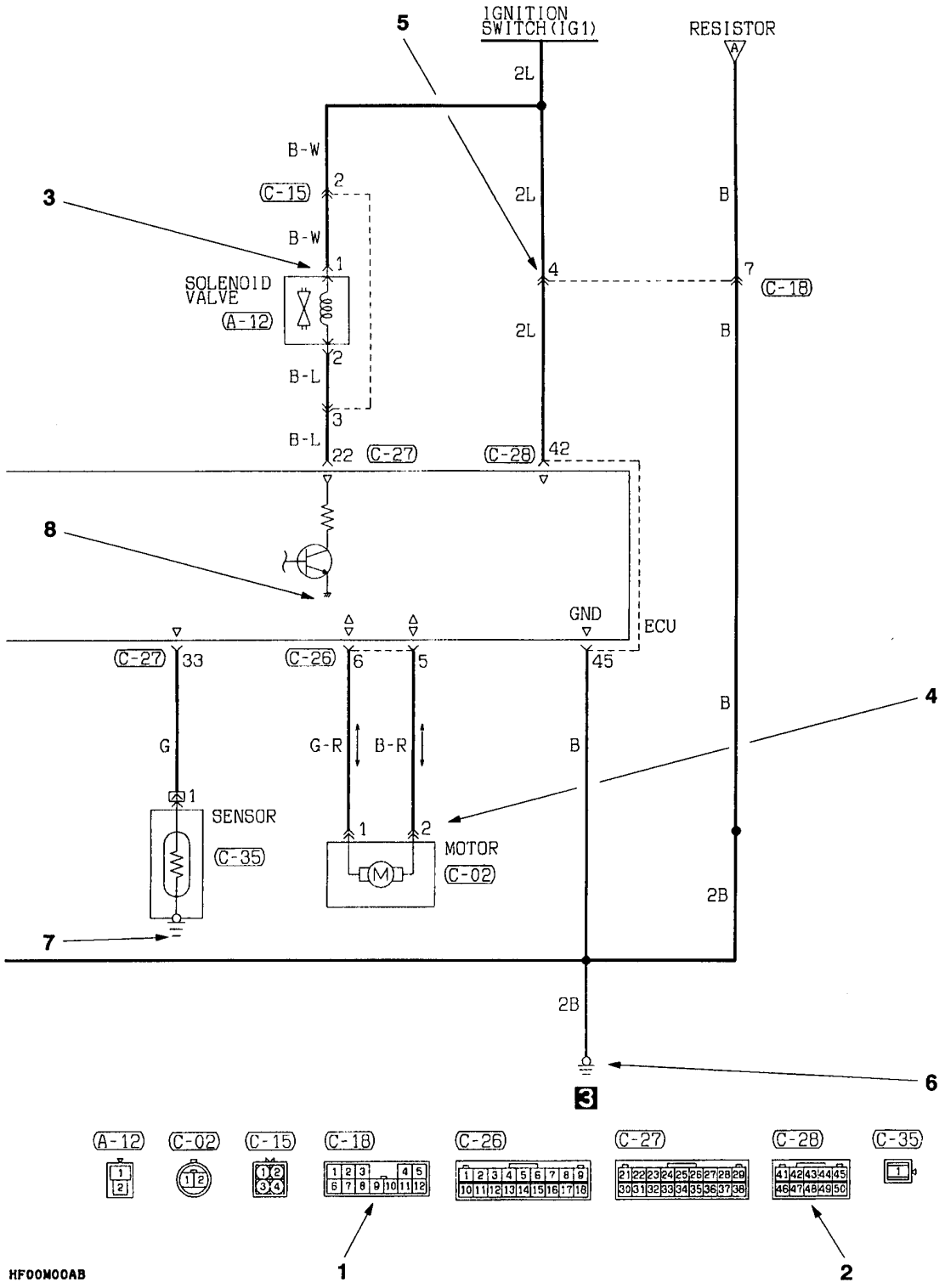
Indicates that the diagram continues at A in the same circuit.

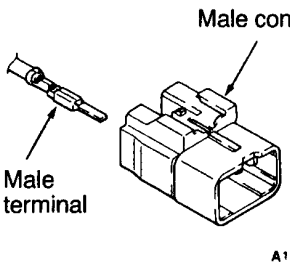
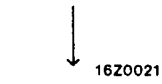
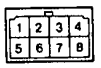
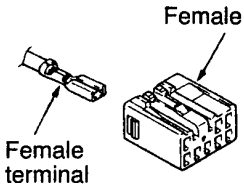
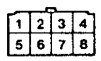
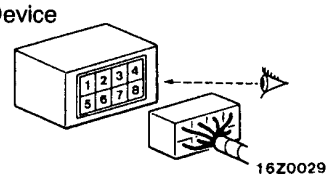
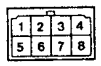
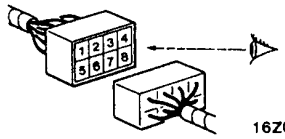
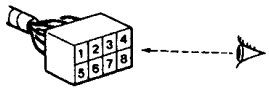
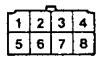
Indicates the connector symbol. Connectors in the circuit diagram are indicated in numerical order.

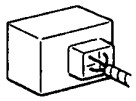
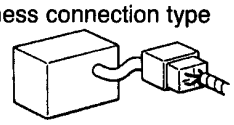
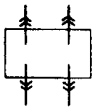
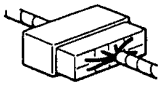
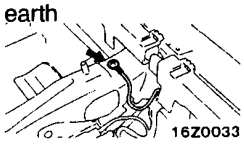
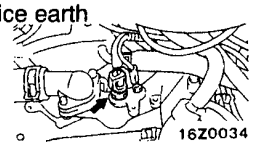
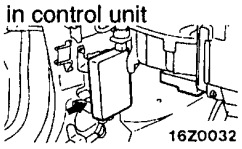
Indicates shield wire.


Indicates input/output to/from control unit (current flow direction).
Input
Output
Input/ output
A broken line indicates that these connectors are the same intermediate connectors.
IGNITION SWITCH (IG1)
RESISTOR
B-W
2L
B
(C-15)
SOLENOID VALVE
(A-12)
B-L
(C-27)
(C-28)
(C-16)
CONTROL UNIT
GND
G
G-R
B-R
SENSOR
(C-35)
MOTOR
(C-02)
2B
3
HC00E02AB
Indicates that the diagram comes from A in the same circuit.
Indicates terminal No.
In case two or more connectors are connected to the same device, markings indicating the same connectors are connected by a broken line.
Indicates current flow downward or upward as controlled by the control unit.
Indicates harness junction where wire diameter or colour changes.
Indicates intersections at which the lead wire are not connected.
Indicates intersections at which the lead wires are connected.
Indicates vehicle body earth point. (Same No. as that of earth point in wiring harness diagram and installation locations of individual parts.)
Indicates that the terminal is a spare one if the device (sensors in this case) is not provided.

MARKINGS FOR CONNECTOR EARTHING



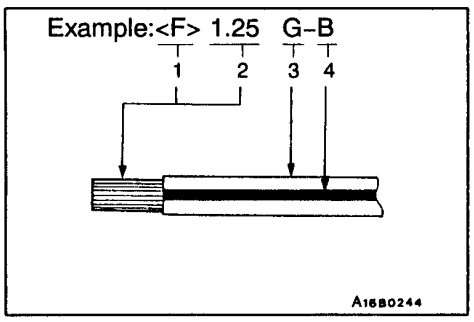
Item	No.	Connector/Earthing	Symbol	Contents
Connector and terminal marking	1	 A16Z0002	Male terminal  16Z0021	The male and female terminals are indicated as shown. The connector with male terminal(s) is called as male connector and indicated by double connector contour linens, while the connector with female terminal(s) is called as female connector and indicated by single connector contour line.
			Male connector  16Z0016	
	–	 A16Z0003	Female terminal  16Z0022	
			Female connector  16Z0017	
Connector symbol marking	2	Device  16Z0029	 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  16Z0030		
		Spare connector, check connector  16Z0031	 16Z0017	

Item	No.	Connector/Earthing	Symbol	Contents
Connector connection marking	3	Direct connection type  16Z0026	 16Z0023	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  16Z0027	 16Z0024	
	5	Intermediate connector  16Z0028	 16Z0025	
Earth markings	6	Body earth  16Z0033	 16Z0018	Earth is either by body earth, device earth or control unit interior earth. These are indicated as illustrated.
	7	Device earth  16Z0034	 16Z0019	
	8	Earth in control unit  16Z0032	 16Z0020	

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 mm^2.
Cable colour code in parentheses indicates 0.3 mm^2.

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		HI	Blower operates at high speed
	HEAD	Headlamps ON	Windshield wiper switch	LO	Wipers operate at low speed
Room lamp switch	DOOR	Room lamp ON when a door is open		HI	Wipers operate at high speed
				INT	Wipers operate intermittently
Turn signal switch	LH	L.H. turn signal lamps ON	Variable intermittent wiper control switch	SLOW	Pause time for intermittent operation lengthen
	RH	R.H. turn signal lamps ON		FAST	Pause time for intermittent operation shorten
Power window switch	UP	Window closes			
	DOWN	Window opens	Remote control mirror switch	LH	L.H. mirror operates
	AUTO	Window opens fully		RH	R.H. mirror operates
Door lock actuator	LOCK	Door lock	Heated seat switch	LO	Normal heating
	UNLOCK	Door unlock		HI	Rapid heating
Door lock key cylinder switch	LOCK	Door lock	Others	ON	Switched on
	UNLOCK	Door unlock		OFF	Switched off

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

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80109000135

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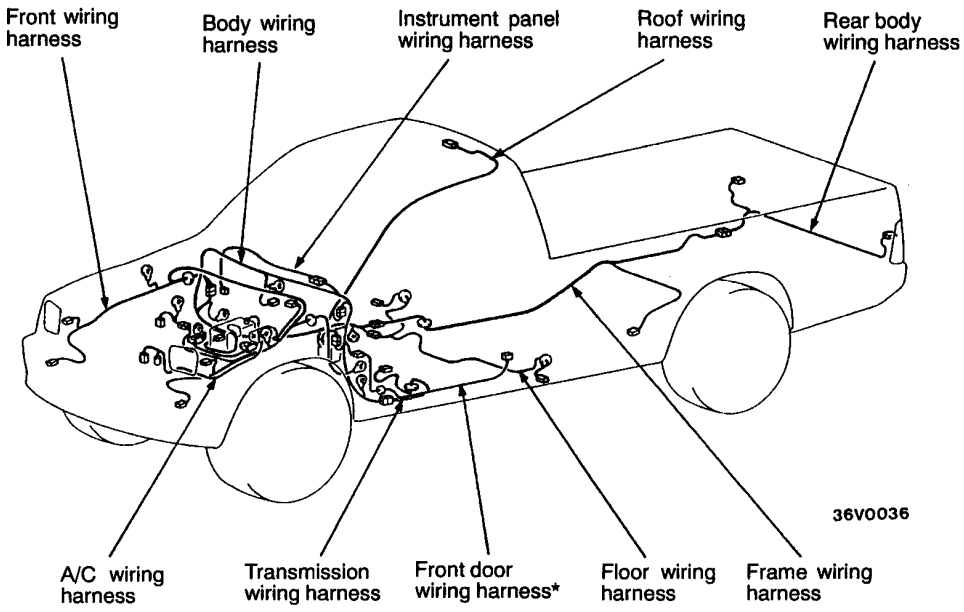
FRAME 2-36

OVERALL WIRING DIAGRAM

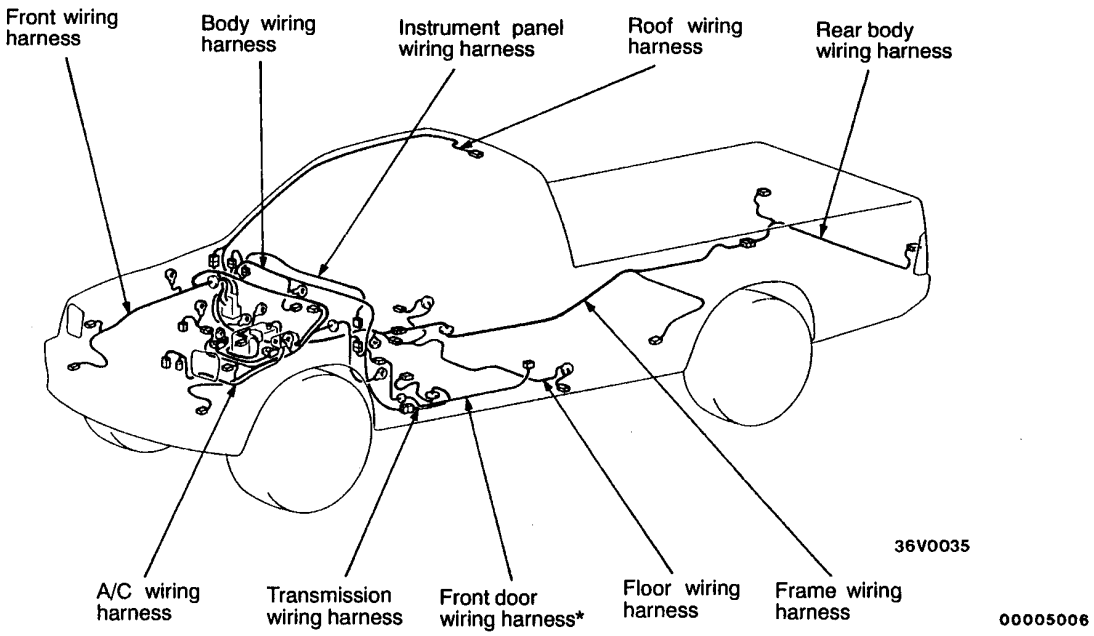
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Single cab

<L.H. drive vehicles>

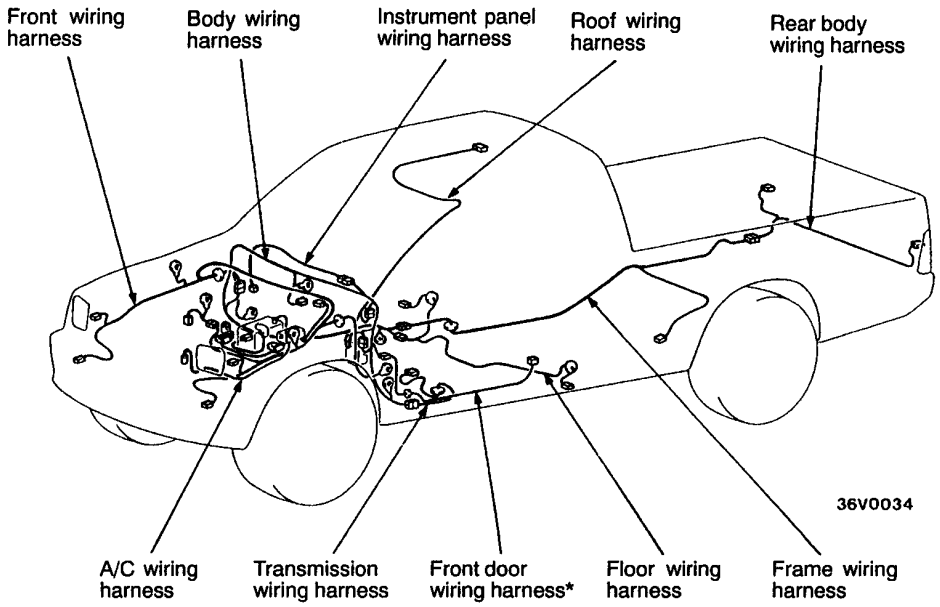


<R.H. drive vehicles>

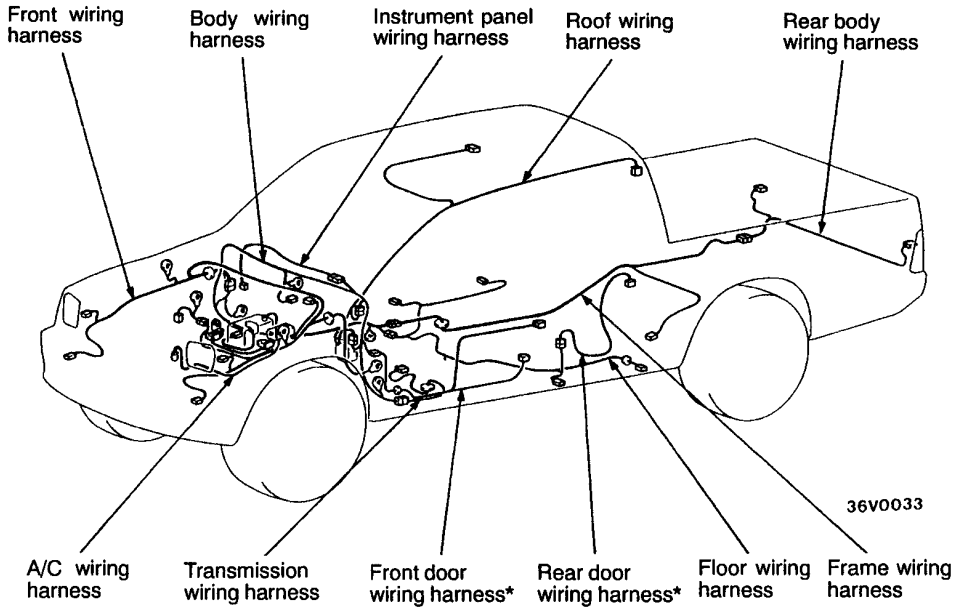


NOTE
(1) These illustrations show only major wiring harnesses.
(2) *: also equipped at the right side.

Club cab



Double cab



00005007

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

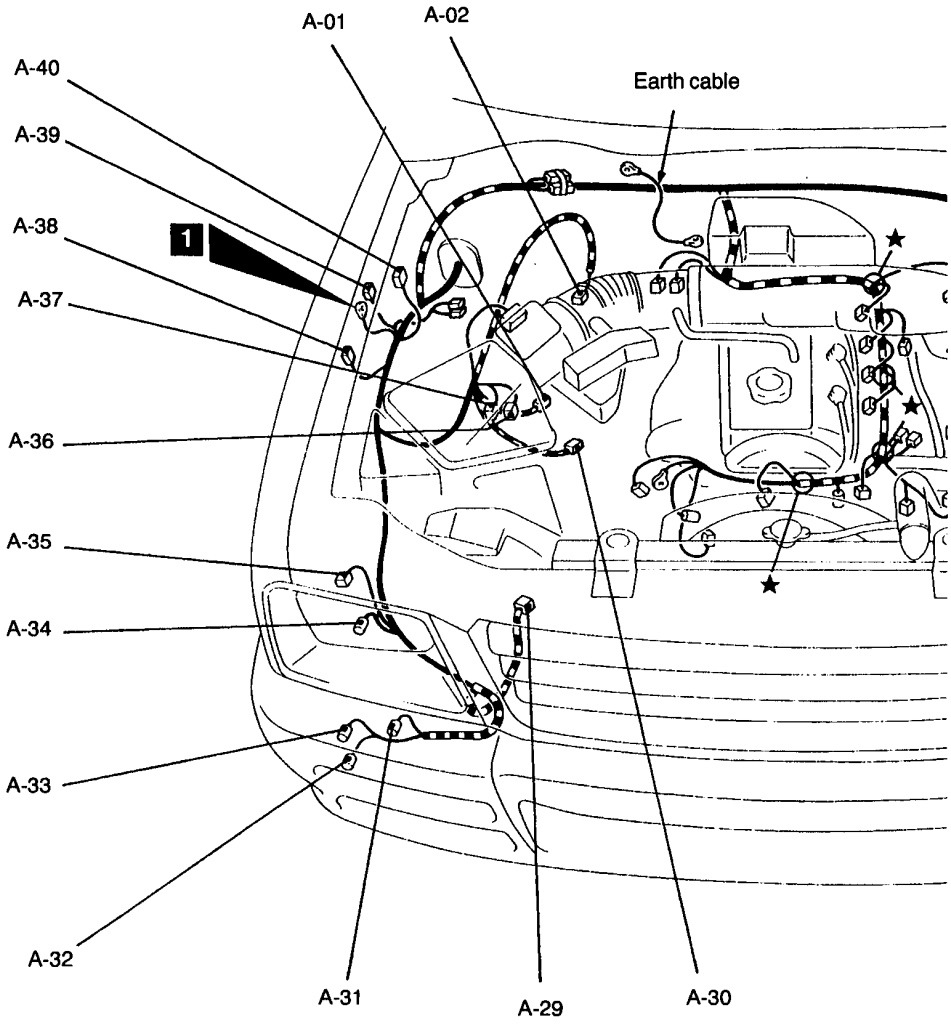
ENGINE COMPARTMENT

80100030607

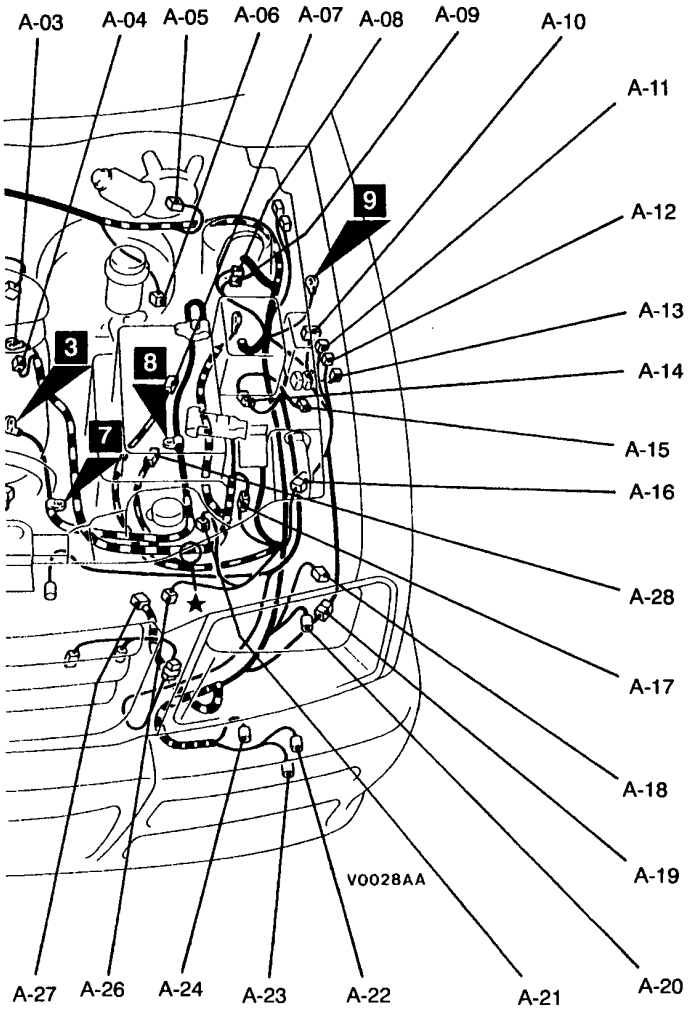
4G6

Connector symbol

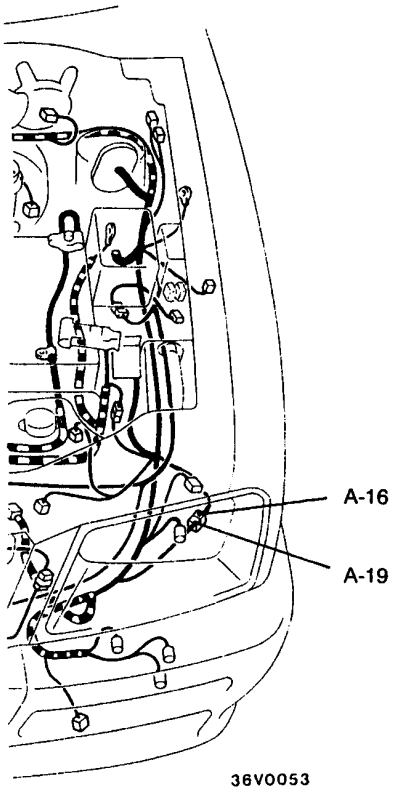
A -02 thru -40



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-10 (12-B)	DRL-ECU
A-11 (4-B)	DRL relay 2
A-12 (4-B)	DRL relay 1
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-16 (10-B)	DRL wiring harness or front wiring harness and front wiring harness combination
A-17 (1-B)	Battery cable wiring harness and front wiring harness combination
A-18 (3)	Headlamp leveling unit (LH)



Vehicles without daytime running lamp



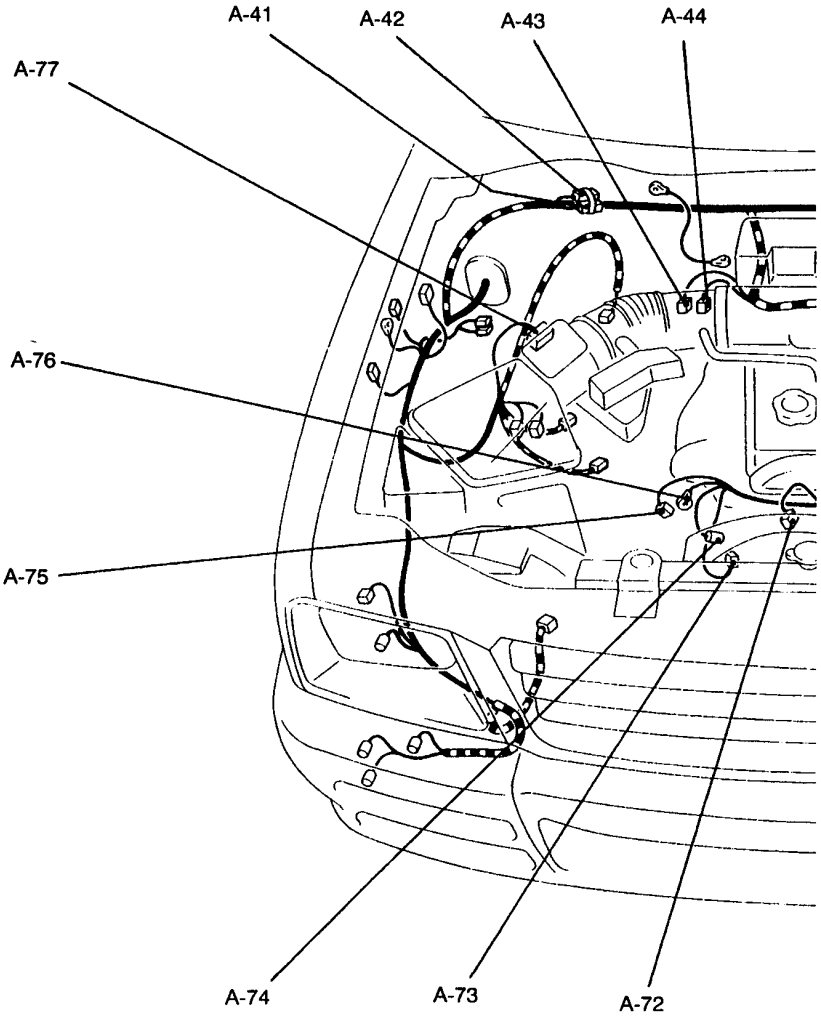
00007071

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

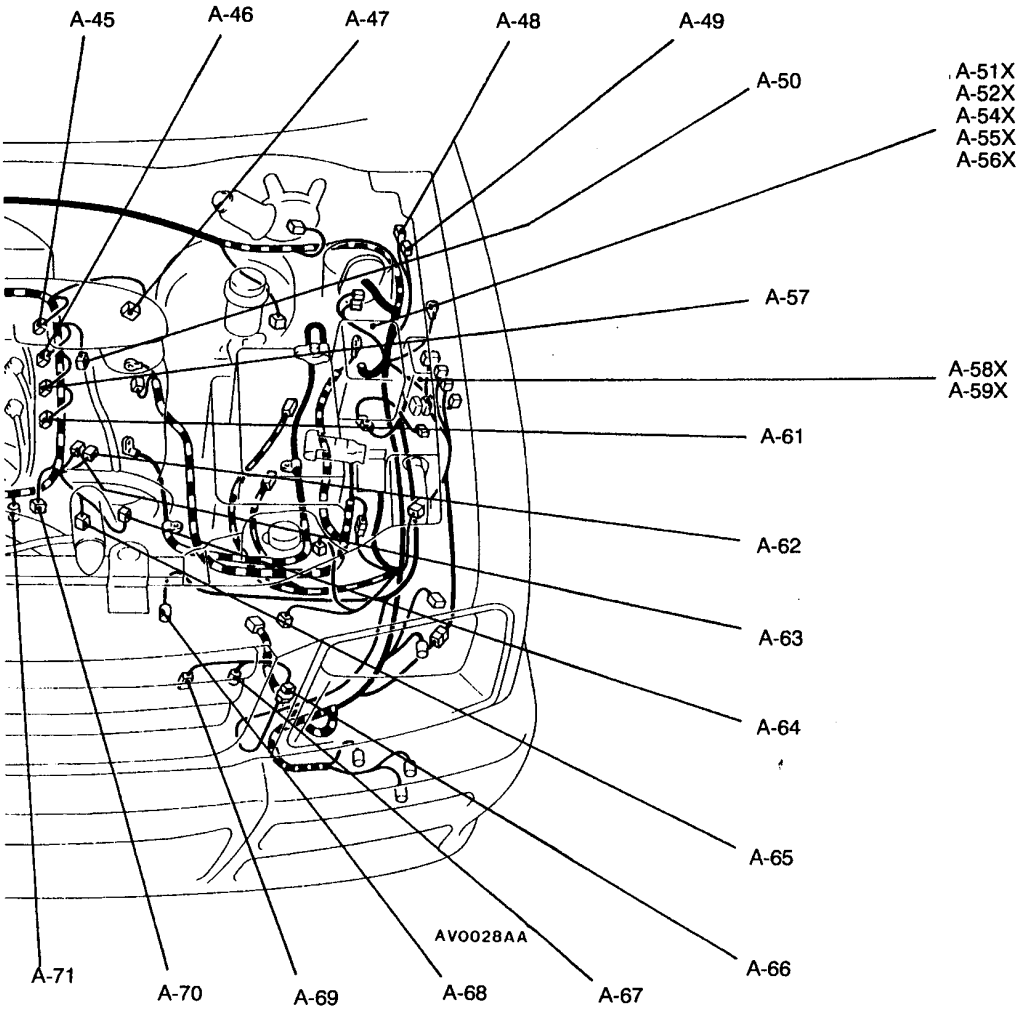
4G6

Connector symbol

A -41 thru -77



A-41 (1-B)	Fuel pump check connector	A-50 (6-B)	Idle speed control servo
A-42 (1-BR)	Ignition timing adjustment connector	A-51X (4)	Alternator relay
A-43 (1)	Engine coolant temperature switch <A/T>	A-52X (5)	Starter relay <A/T>
		A-54X (5)	Headlamp relay
A-44 (1-B)	Engine coolant temperature gauge unit	A-55X (5)	Tail lamp relay
A-45 (2-GR)	Injector 4	A-56X (2)	Storage connector
A-46 (2-GR)	Injector 3	A-57 (2-GR)	Injector 2
A-47 (4-B)	Throttle position sensor	A-58X (4)	A/C compressor relay
A-48 (2-B)	Purge control solenoid valve	A-59X (4)	Condenser fan relay
A-49 (2-B)	EGR solenoid valve		



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>		

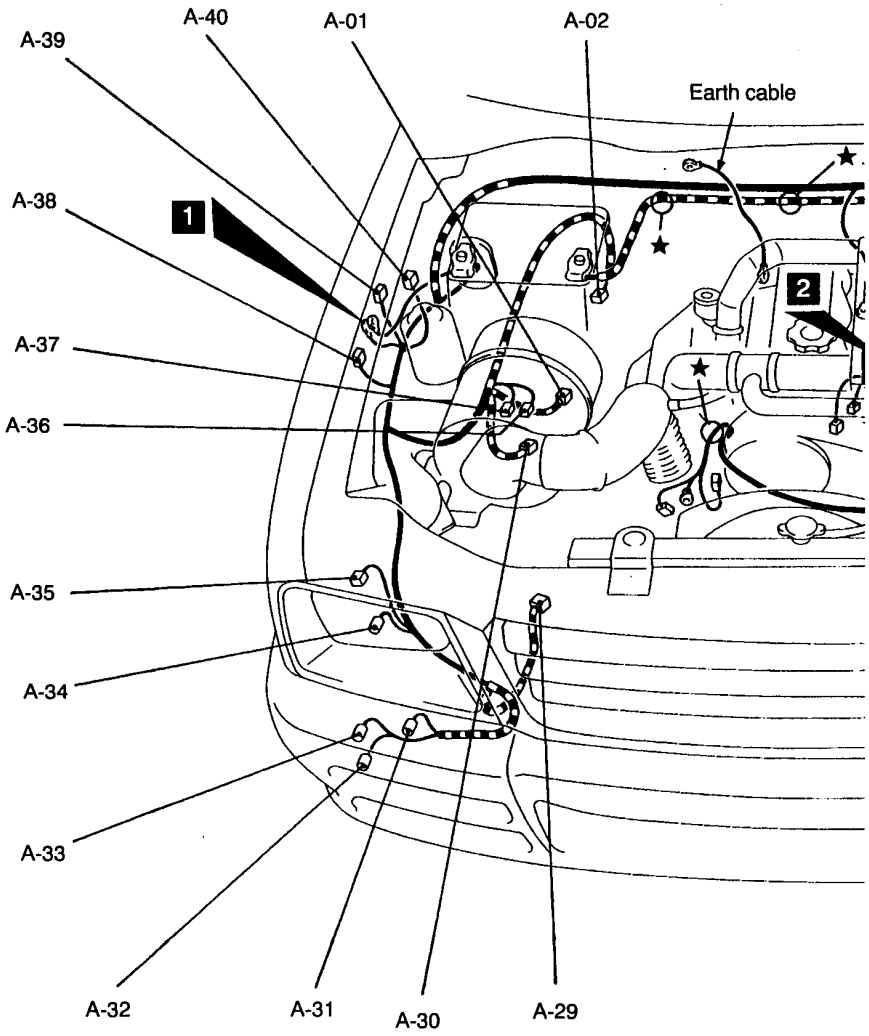
ENGINE COMPARTMENT

80100030614

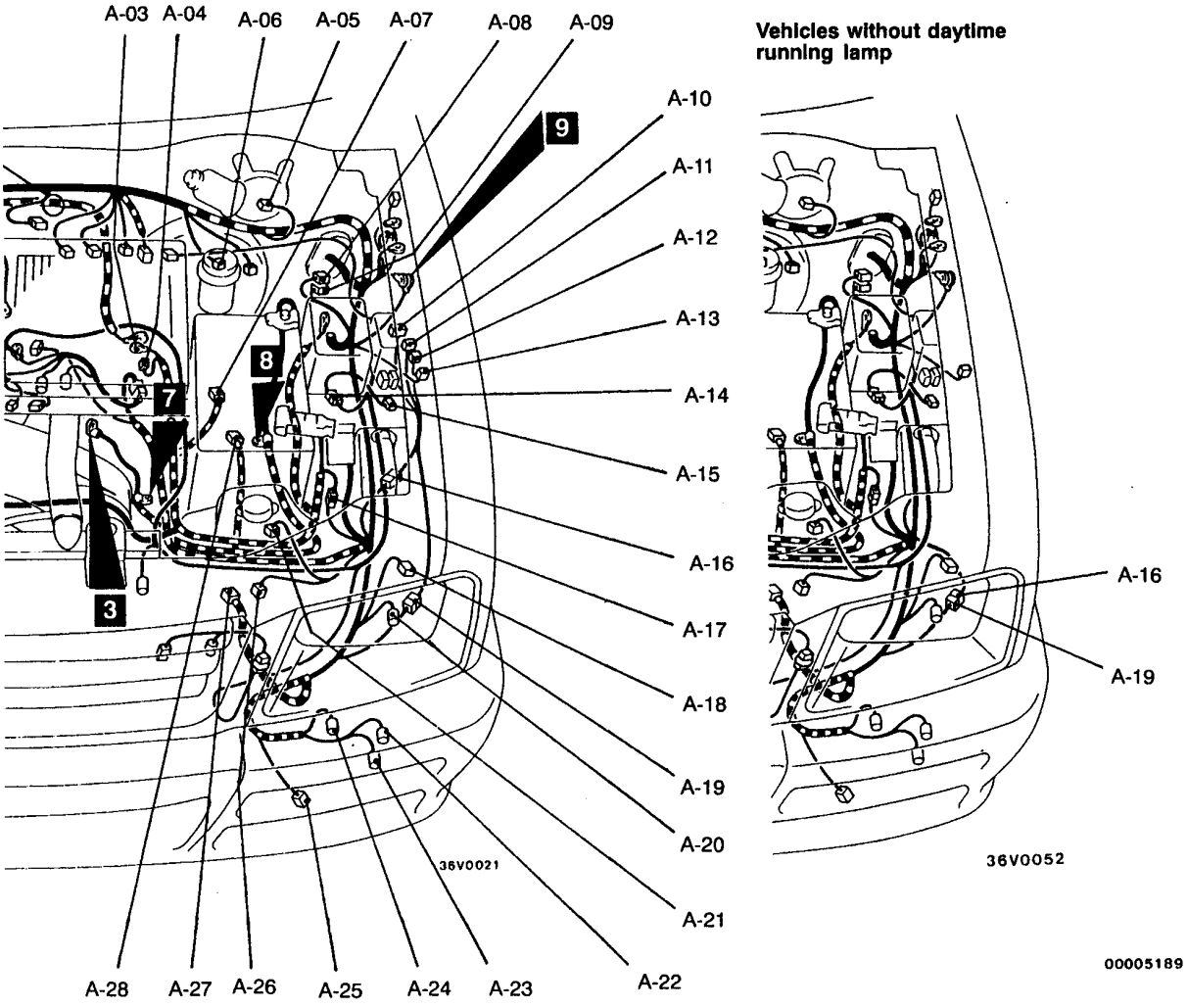
4D56 <L.H. drive vehicles>

Connector symbol

A -01 thru -47



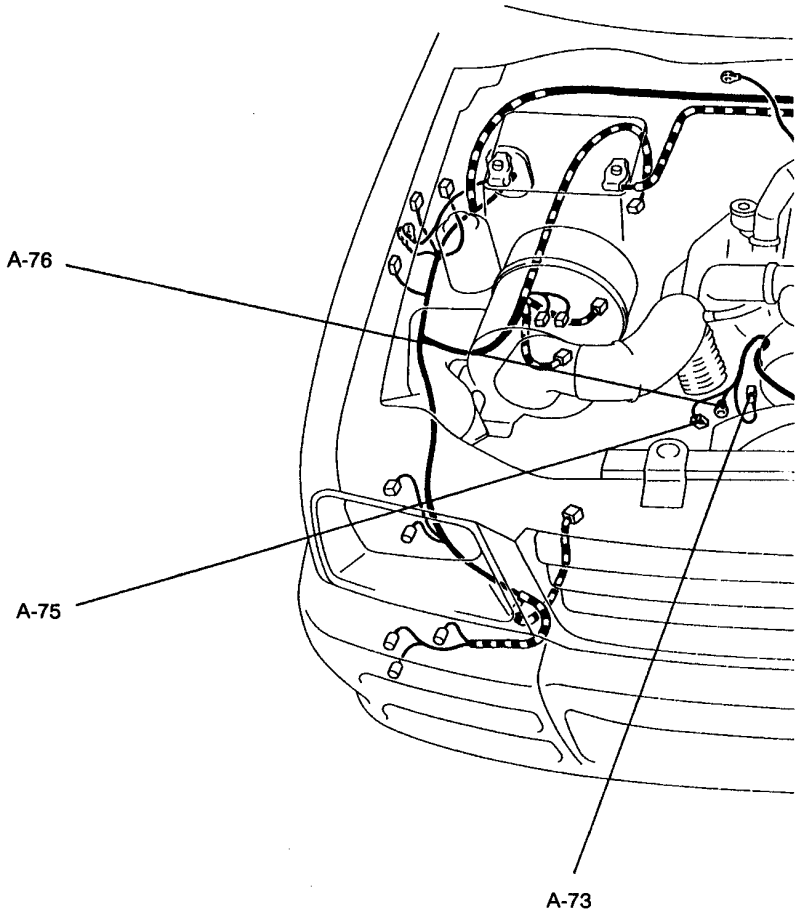
A-01 (2-B)	Wheel speed sensor (front: RH) <2WD-ABS>
A-02 (2-GR)	Free-wheeling hub engage switch <4WD>
A-03 (1)	Starter
A-04 (1-B)	Starter
A-05 (4-B)	Windshield wiper motor
A-06 (2-B)	Brake fluid level sensor
A-07 (2-B)	Wheel speed sensor (front: LH) <2WD-ABS>
A-08 (2-B)	ABS hydraulic unit
A-09 (10-B)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



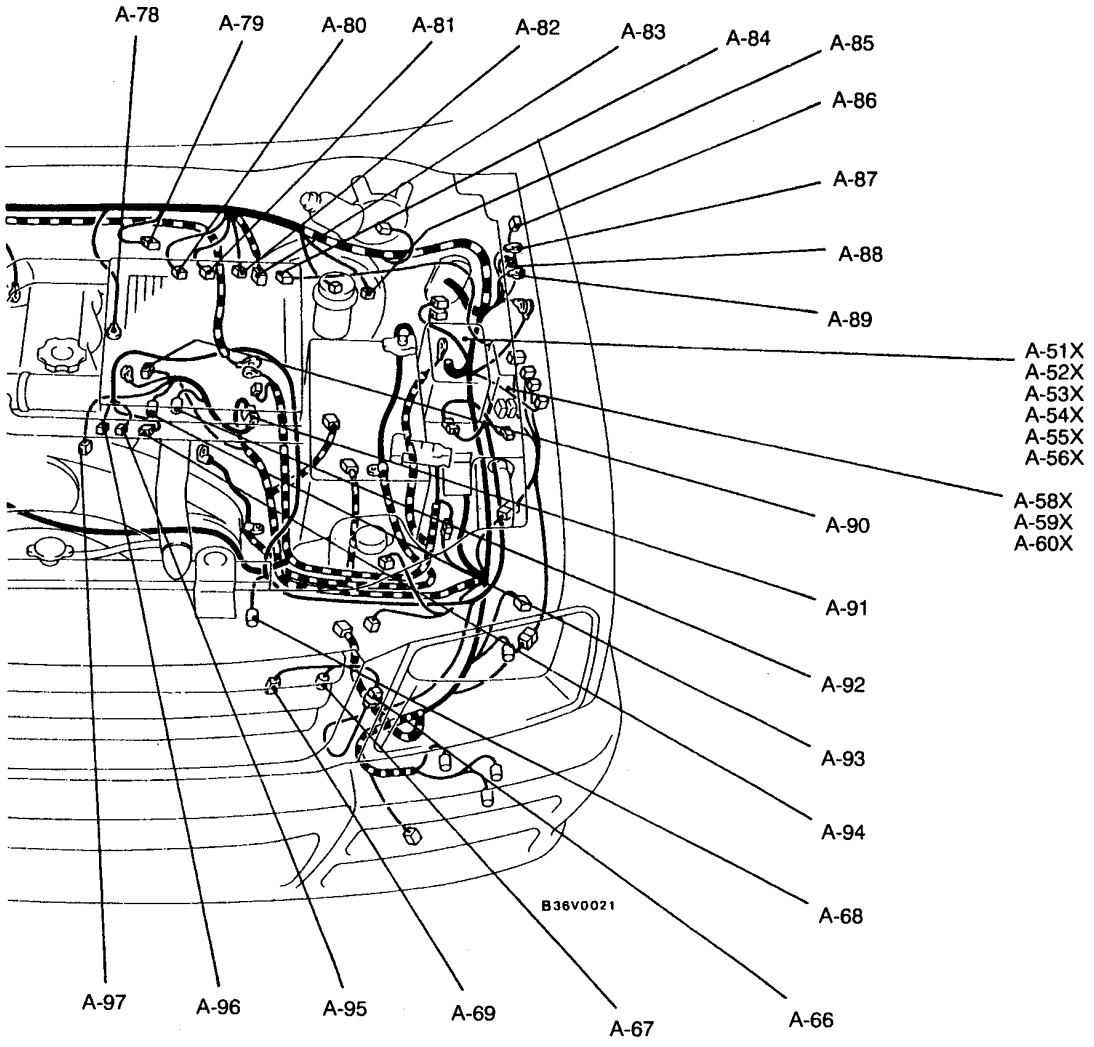
A-21 (2-B)	Headlamp washer motor	A-31 (3-B)	Front combination lamp (RH)
A-22 (1)	Horn (LO)	A-32 (1)	Horn (HI)
A-23 (1)	Horn (LO)	A-33 (1)	Horn (HI)
A-24 (3-B)	Front combination lamp (LH)	A-34 (3-B)	Headlamp (RH)
A-25 (2-B)	Outside thermo sensor or no connection	A-35 (3)	Headlamp leveling unit (RH)
A-26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

4D56 <L.H. drive vehicles>

Connector symbol	
A	-51X thru -104



A-51X (4)	Alternator relay	A-66 (2)	Capacitor <A/C>
A-52X (5)	Starter relay	A-67 (2)	Dual pressure switch <A/C>
A-53X (5)	Intercooler fan relay	A-68 (1)	Magnetic clutch <A/C>
A-54X (5)	Headlamp relay	A-69 (2)	Condenser fan motor <A/C>
A-55X (5)	Tail lamp relay	A-73 (1-B)	Oil pressure switch
A-56X (2)	Storage connector	A-75 (2-B)	Alternator
A-58X (4)	A/C compressor relay	A-76 (1)	Alternator
A-59X (4)	Condenser fan relay	A-78 (1)	Glow plug
A-60X (4)	Condenser fan control relay	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-84 (2)	Idle-up solenoid valve <A/C>	A-95 (2)	Engine coolant temperature switch (for A/C compressor control)
A-85 (2-B)	Vacuum switch		
A-86 (4-B)	Fuel line heater relay	A-96 (1)	Engine coolant temperature switch (for condenser fan control)
A-87 (1)	Glow plug relay		
A-88 (1-B)	Glow plug relay	A-97 (2)	Engine coolant temperature sensor and gauge unit
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		

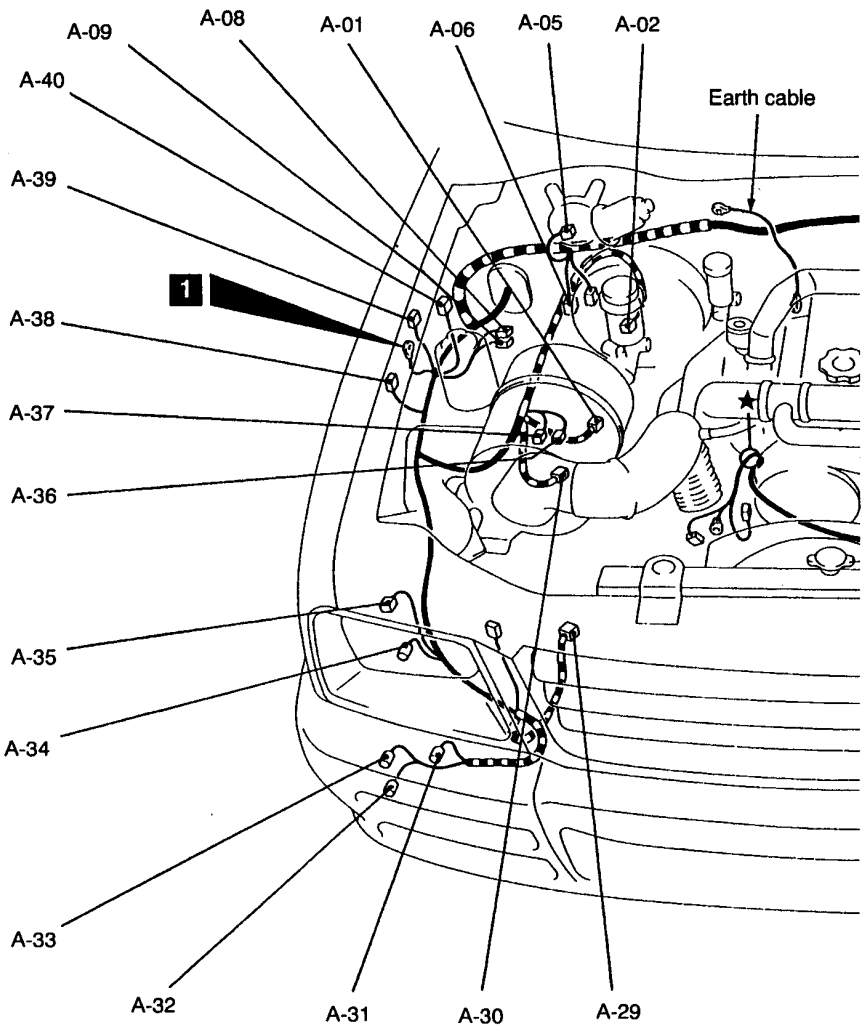
ENGINE COMPARTMENT

80100030621

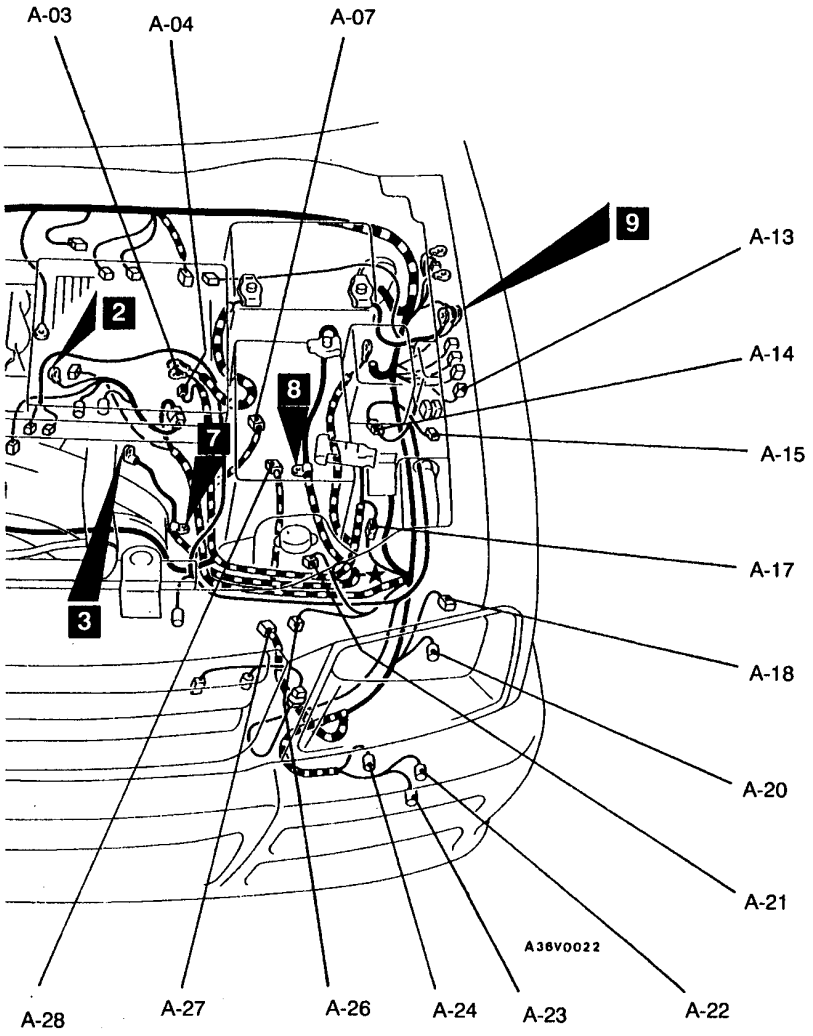
4D56 <R.H. drive vehicles>

Connector symbol

A -01 thru -47



A-01 (2-B)	Wheel speed sensor (front: RH) <2WD-ABS>	A-08 (2-B)	ABS hydraulic unit
A-02 (2-GR)	Free-wheeling hub engage switch <4WD>	A-09 (10-B)	ABS hydraulic unit
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-17 (4-B)	Battery cable wiring harness and front wiring harness combination
A-07 (2-B)	Wheel speed sensor (front: LH) <2WD-ABS>	A-18 (3)	Headlamp leveling unit (LH)
		A-20 (3-B)	Headlamp (LH)

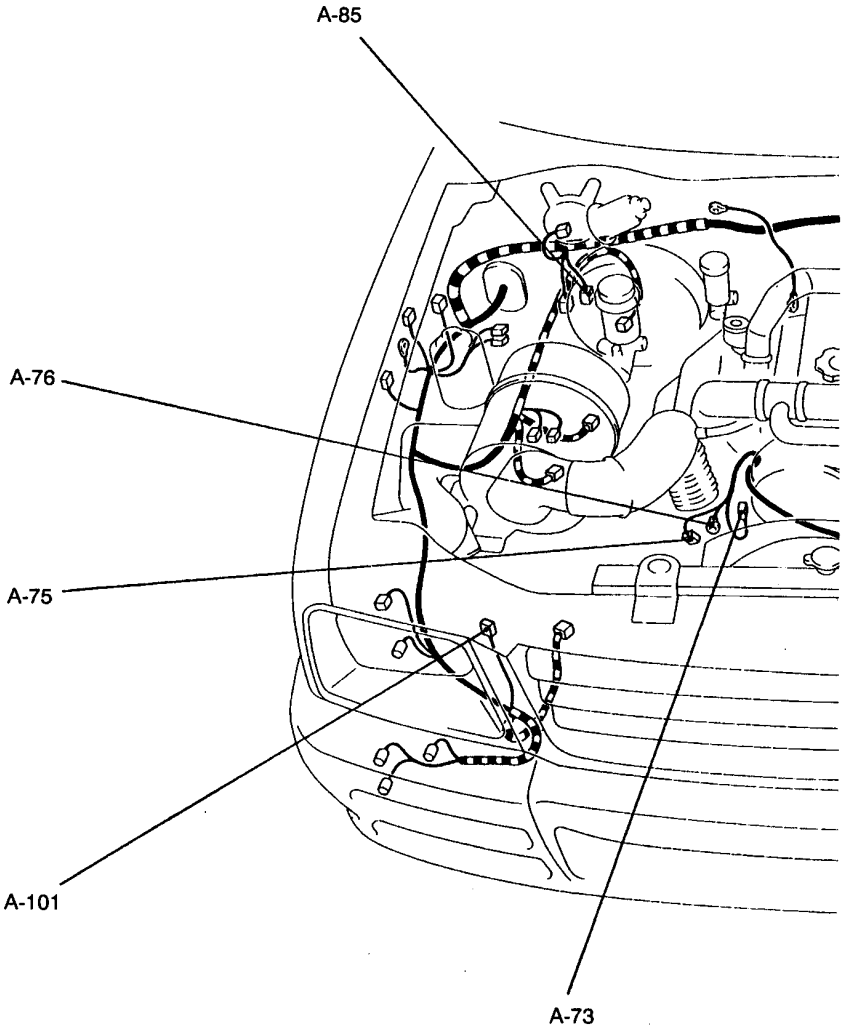


A-21 (2-B)	Headlamp washer motor
A-22 (1)	Horn (LO)
A-23 (1)	Horn (LO)
A-24 (3-B)	Front combination lamp (LH)
A-26 (2-B)	Windshield washer motor
A-27 (2-R)	Front impact sensor (LH) <SRS>
A-28 (2-B)	Wheel speed sensor (front: LH) <4WD-ABS>
A-29 (2-R)	Front impact sensor (RH) <SRS>
A-30 (2-B)	Wheel speed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

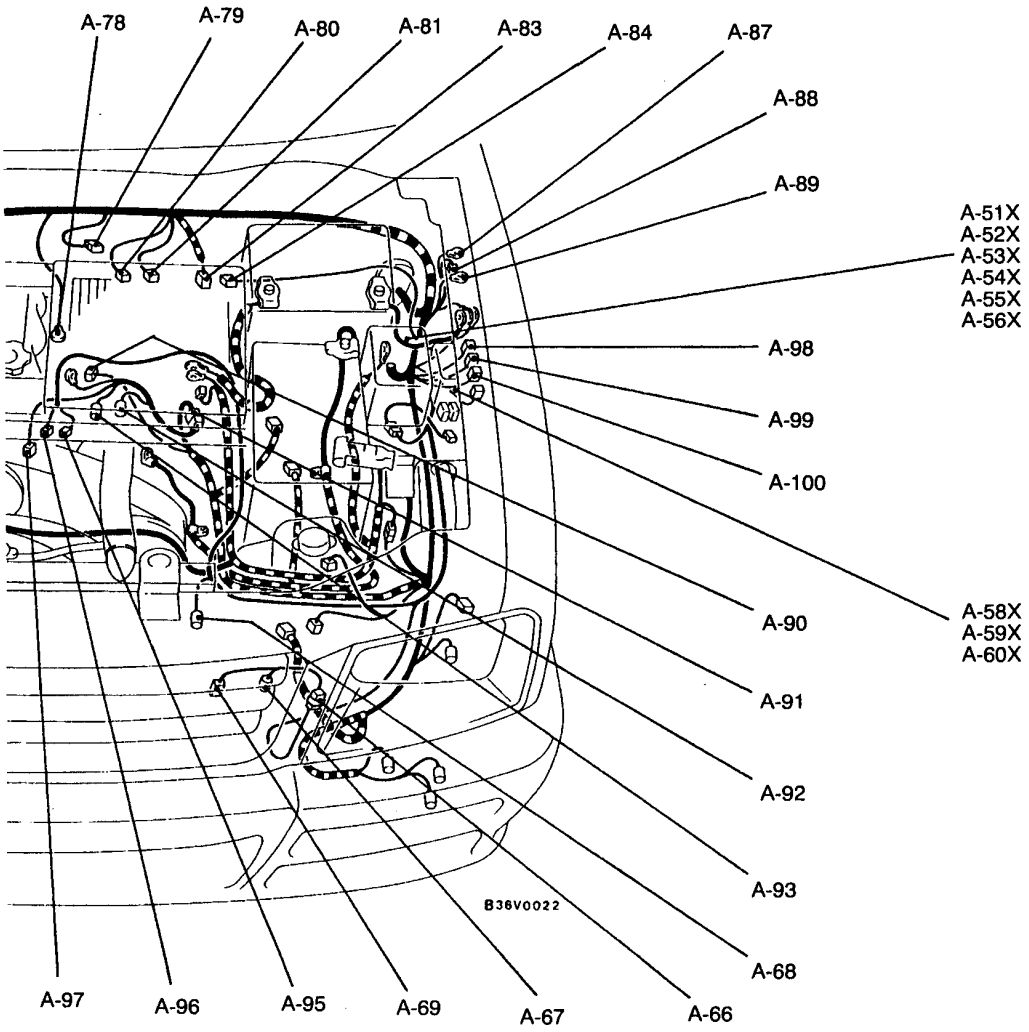
4D56 <R.H. drive vehicles>

Connector symbol

A -51X thru -104



A-51X (4)	Alternator relay	A-68 (1)	Magnetic clutch <A/C>
A-52X (5)	Starter relay	A-69 (2)	Condenser fan motor <A/C>
A-53X (5)	Intercooler fan relay	A-73 (1-B)	Oil pressure switch
A-54X (5)	Headlamp relay	A-75 (2-B)	Alternator
A-55X (5)	Tail lamp relay	A-76 (1)	Alternator
A-56X (2)	Storage connector	A-78 (1)	Glow plug
A-58X (4)	A/C compressor relay	A-79 (2-B)	Idle-up solenoid valve <ABS-M/T>
A-59X (4)	Condenser fan relay	A-80 (2-BR)	Intake air temperature switch
A-60X (4)	Condenser fan control relay	A-81 (2-B)	Intercooler fan motor
A-66 (2)	Capacitor <A/C>	A-83 (2-B)	Water level switch
A-67 (2)	Dual pressure switch <A/C>		



A-84 (2)	Idle-up solenoid valve <A/C>	A-95 (2)	Engine coolant temperature switch (for A/C compressor control)
A-85 (2-B)	Vacuum switch		
A-87 (1)	Glow plug relay	A-96 (1)	Engine coolant temperature switch (for condenser fan control)
A-88 (1-B)	Glow plug relay		
A-89 (1)	Glow plug relay	A-97 (2)	Engine coolant temperature sensor and gauge unit
A-90 (3-B)	Fuel cut valve ECU		
A-91 (6-B)	Fuel injection pump wiring harness and front wiring harness combination	A-98 (4-G)	Dim-dip lamp relay 3
		A-99 (4-BR)	Dim-dip lamp relay 2
A-92 (1)	Fuel cut solenoid valve	A-100 (4-B)	Dim-dip lamp relay 1
A-93 (2)	Revolution pick-up sensor	A-101 (2-B)	Dim-dip lamp resistor

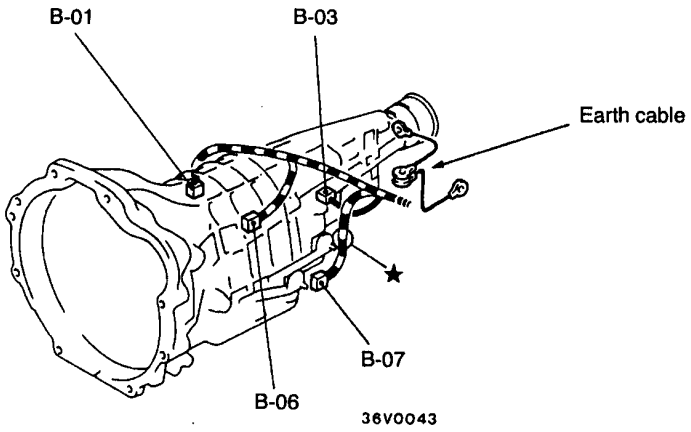
TRANSMISSION

80100050030

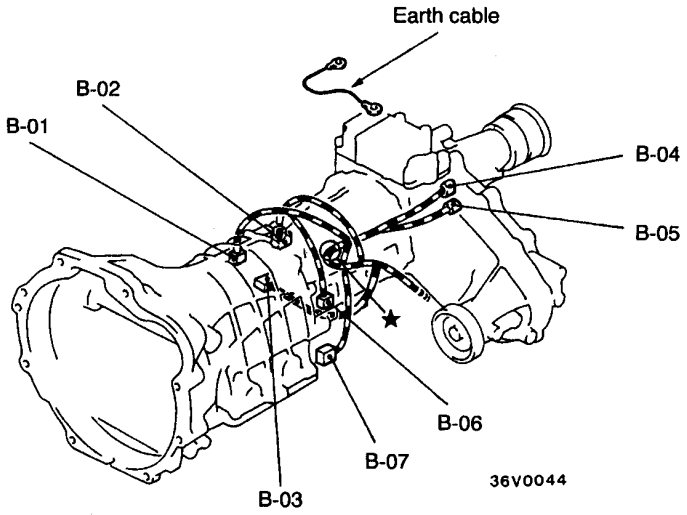
Connector symbol

B

<2WD>



<4WD>



00005008

B-01 (10-GR)	Inhibitor switch <A/T>	B-05 (2-GR)	High range/Low range detection switch
B-02 (2-B)	Back-up lamp switch <Diesel 4WD>	B-06 (4-B)	Overdrive solenoid valve <A/T>
B-03 (4-B)	Oxygen sensor <MPI>	B-07 (2-B)	Back-up lamp switch <Except diesel 4WD>
B-04 (2-B)	4WD detection switch		

NOTES

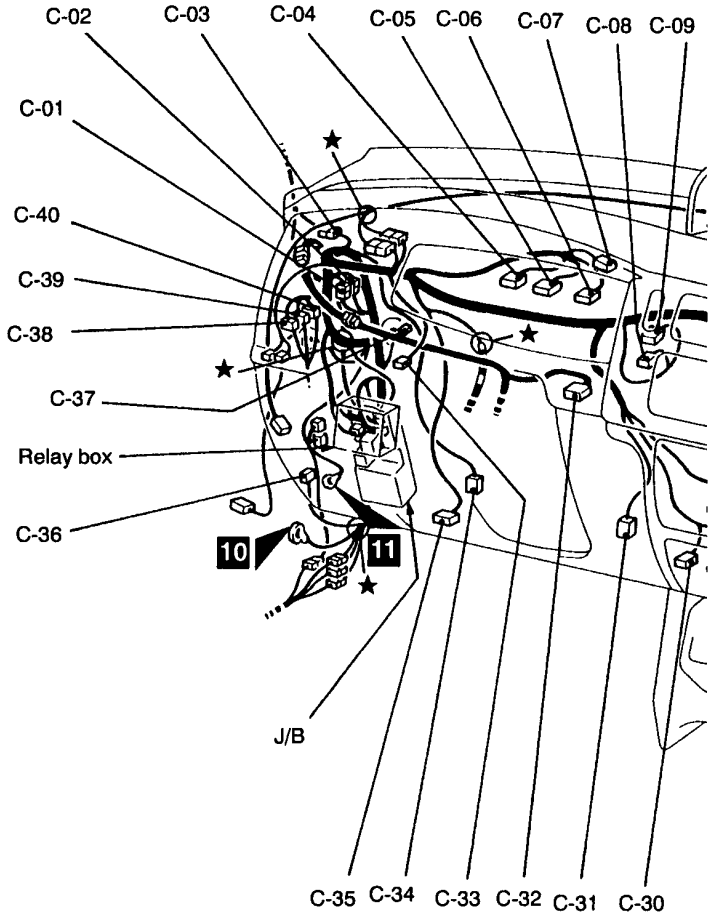
DASH PANEL

80100060637

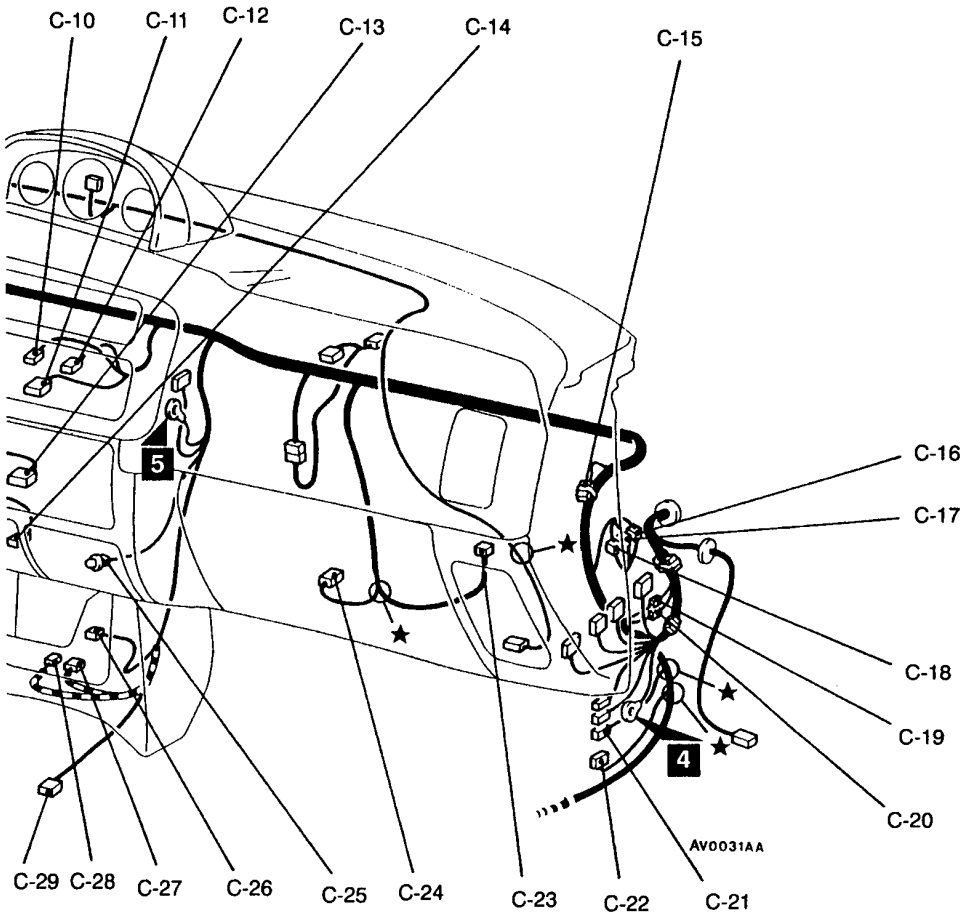
L.H. drive vehicles

Connector symbol

C



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

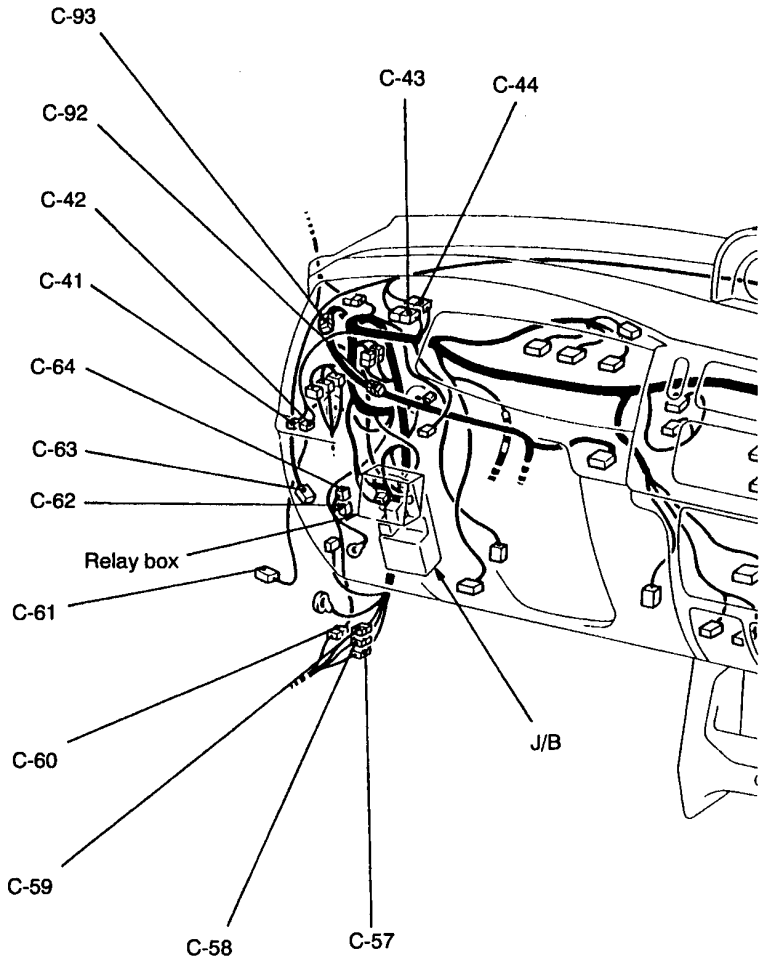


C-20 (7)	Body wiring harness and front wiring harness combination
C-21 (10-B)	Rear differential lock-ECU
C-22 (10)	4WD indicator-ECU
C-23 (2-L)	Blower motor
C-24 (4-L)	Blower resistor
C-25 (2)	Ashtray illumination lamp
C-26 (3-B)	G sensor <ABS>
C-27 (14-R)	SRS diagnosis unit
C-28 (2-R)	SRS diagnosis unit
C-29 (6)	Overdrive switch
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-37 (8)	Overdrive control relay
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

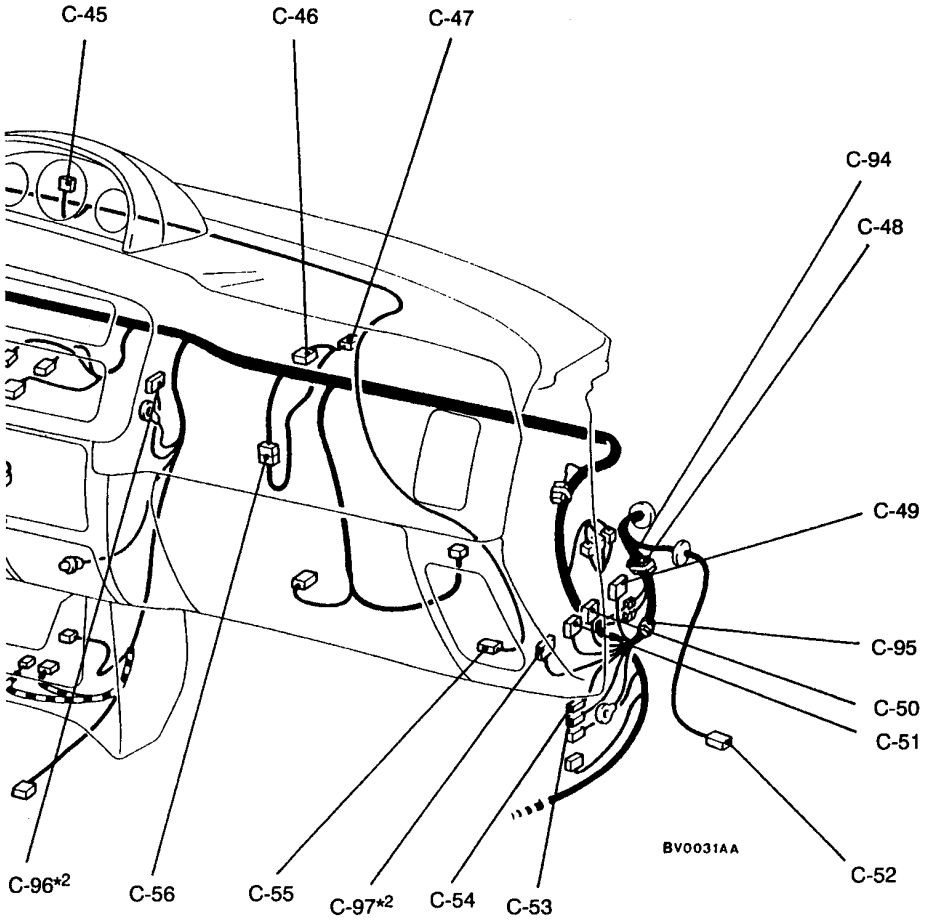
L.H. drive vehicles

Connector symbol

C



C-41 (6-B)	Rear fog lamp switch	C-49 (26-Y)	Engine-ECU <Petrol>
C-42 (4)	Rheostat or joint connector	C-49 (13)	Glow-ECU <Diesel>
C-43 (5)	Body wiring harness and instrument panel wiring harness combination	C-50 (16-Y)	Engine-ECU <Petrol>
		C-51*1 (22-Y)	Engine-ECU <Petrol>
C-44 (11)	Body wiring harness and instrument panel wiring harness combination	C-51*2 (12-Y)	Engine-ECU <Petrol>
		C-52 (2-BR)	Side turn signal lamp (RH)
C-45 (14)	Multi-meter	C-53 (4)	Engine control relay <Petrol>
C-46 (3)	Thermostat	C-53 (4-BR)	Intercooler fan-ECU <Diesel>
C-47 (8)	Compressor-ECU	C-54 (4)	Fuel pump relay <Petrol>
C-48 (2-B)	Diode (for ABS circuit)		



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>

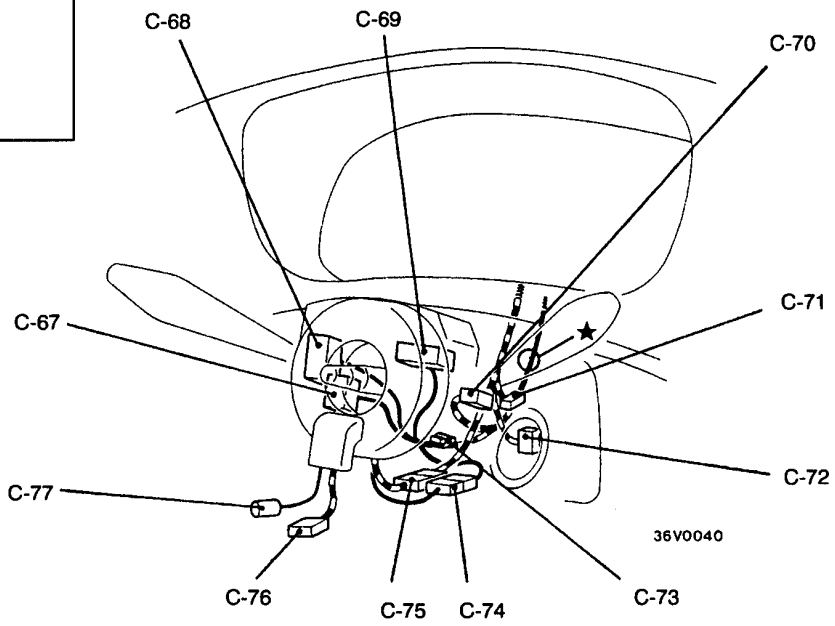
Remarks
(1) *1: 1997Models
(2) *2: 1998Models

DASH PANEL

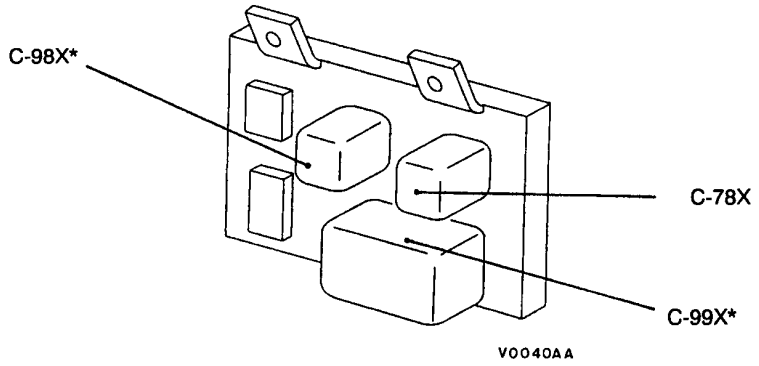
L.H. drive vehicles

Connector symbol
C

Steering column



Relay box in passenger compartment

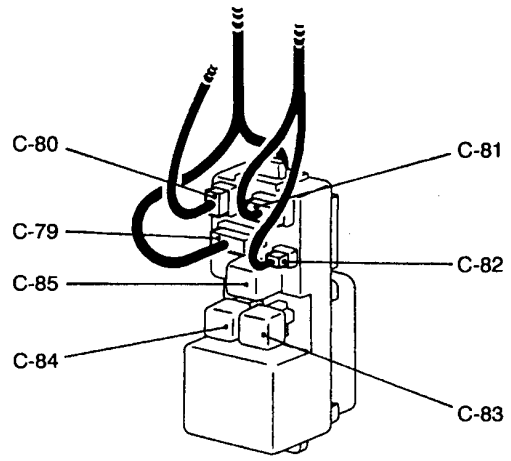


00006902

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)		

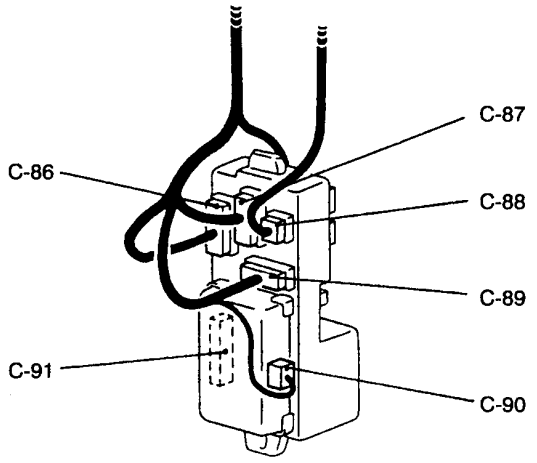
Junction block

<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

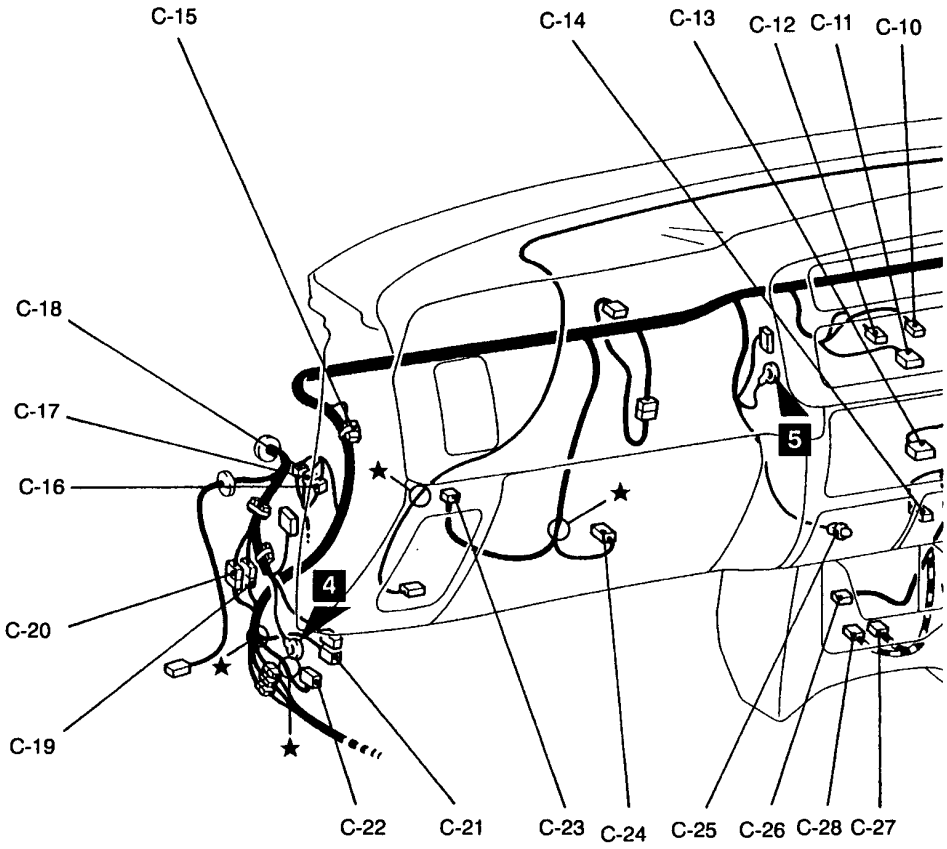
DASH PANEL

80100060644

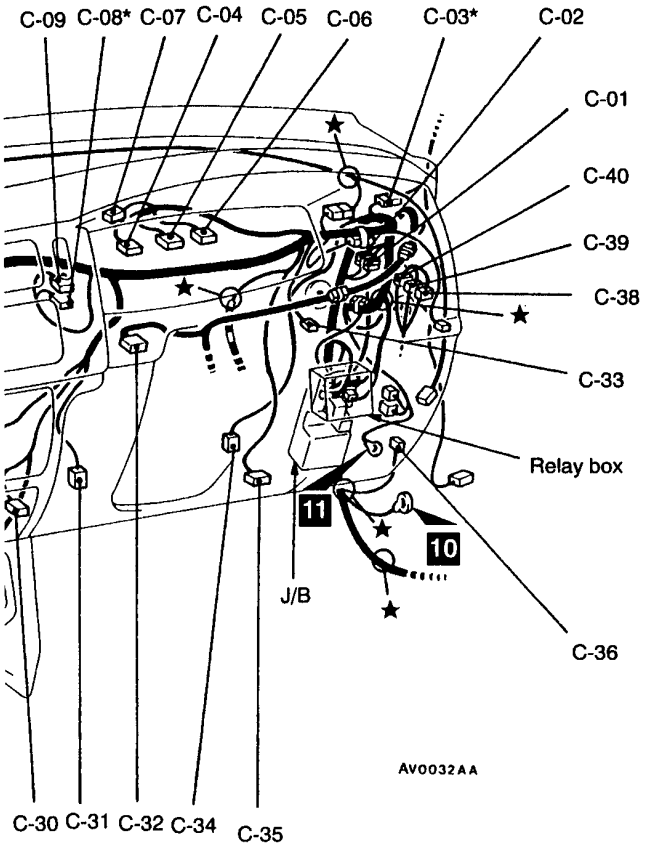
R.H. drive vehicles

Connector symbol

C



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		



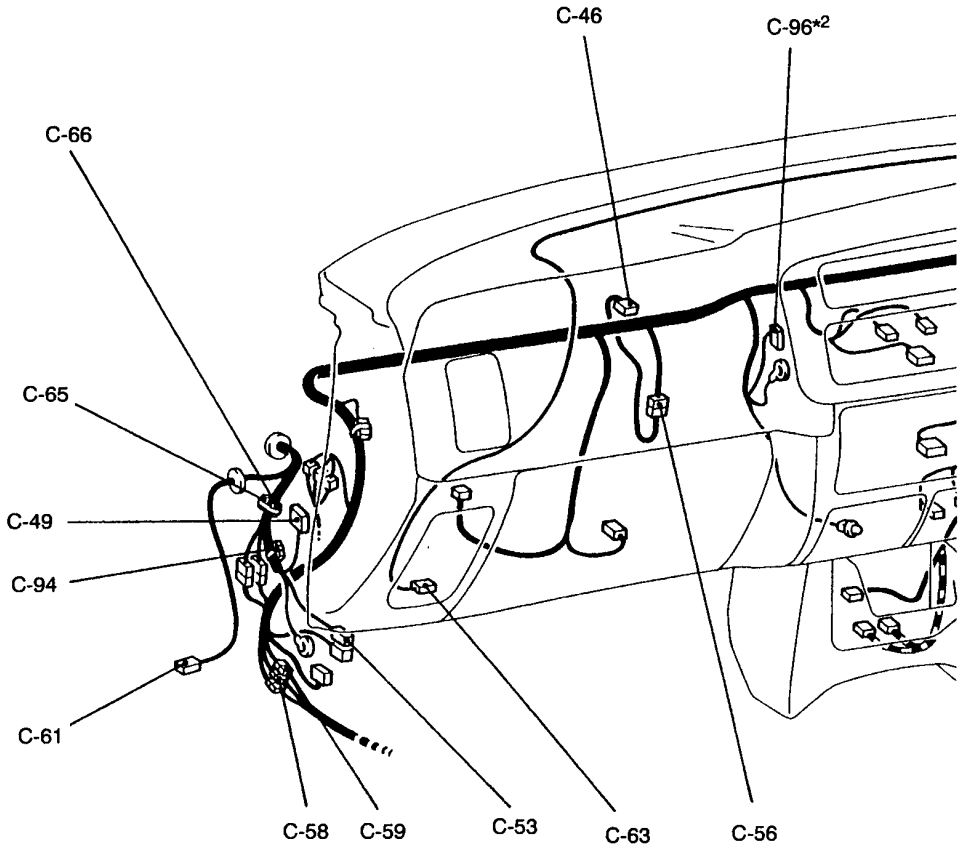
C-20 (7)	Body wiring harness and front wiring harness combination
C-21 (10-B)	Rear differential lock-ECU
C-22 (10)	4WD indicator-ECU
C-23 (2)	Blower motor
C-24 (4-L)	Blower resistor
C-25 (2)	Ashtray illumination lamp
C-26 (3-B)	G sensor <ABS>
C-27 (14-R)	SRS diagnosis unit
C-28 (2-R)	SRS diagnosis unit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

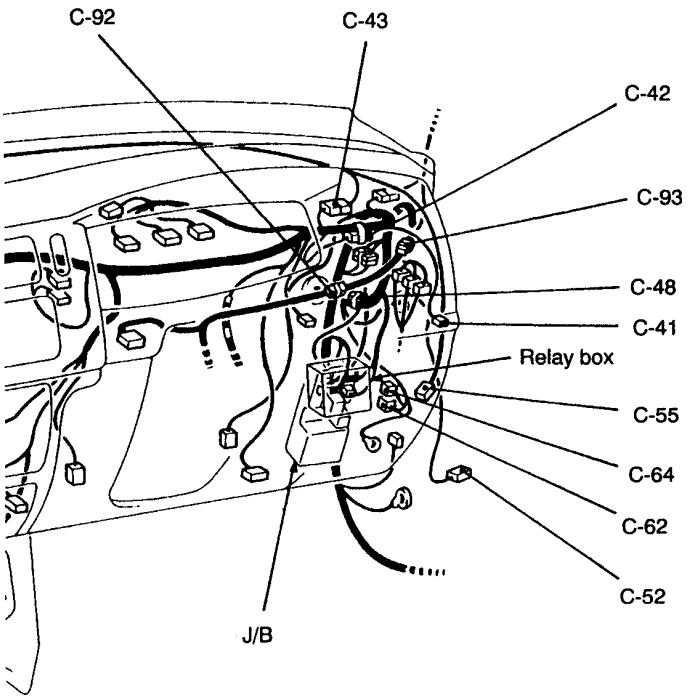
R.H. drive vehicles

Connector symbol

C



C-41 (6-B)	Rear fog lamp switch	C-49 (13)	Grow-ECU
C-42 (4)	Joint connector	C-52 (2-BR)	Side turn signal lamp (RH)
C-43 (5)	Body wiring harness and instrument panel wiring harness combination	C-53 (4-BR)	Intercooler fan-ECU
		C-55 (2-B)	Front speaker (RH)
C-46 (3)	Thermostat	C-56 (12)	Thermostat wiring harness and body wiring harness combination
C-48 (2-B)	Diode (for ABS circuit)		



BV0032AA

C-58 (3)	Body wiring harness and transmission wiring harness combination
C-59 (2)	Body 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-65 (3)	Diode (for dim-dip lamp circuit)
C-66 (2-B)	Diode (for dim-dip lamp circuit)
C-92 (19-GR)	J/C (1)
C-93 (19-GR)	J/C (2)
C-94 (19-GR)	J/C (3)
C-96*2 (4)	Defogger relay <Vehicles with defogger timer>

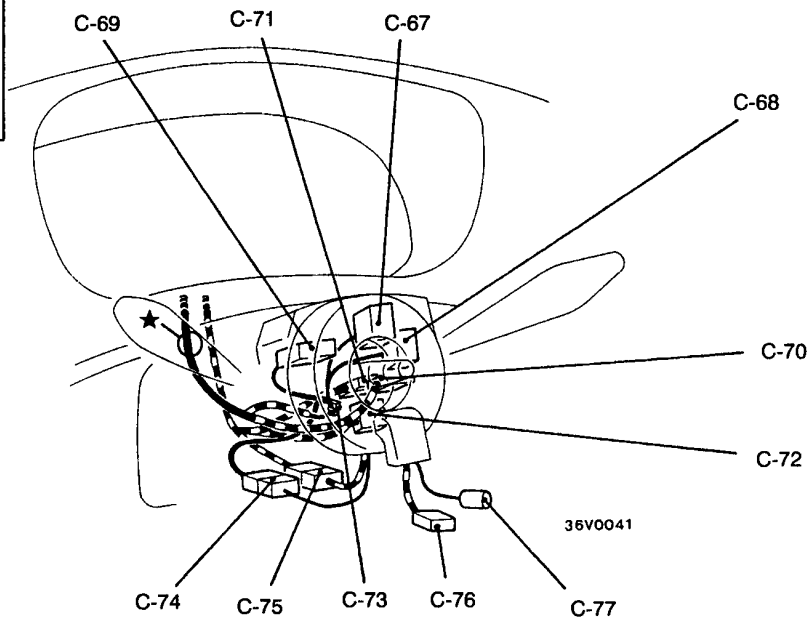
Remarks
(1) *1: 1997Models
(2) *2: 1998Models

DASH PANEL

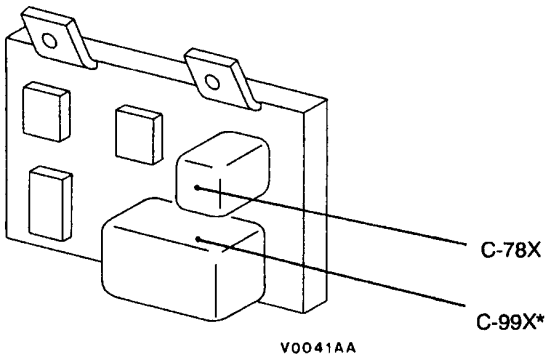
R.H. drive vehicles

Connector symbol
C

Steering column



Relay box in passenger compartment

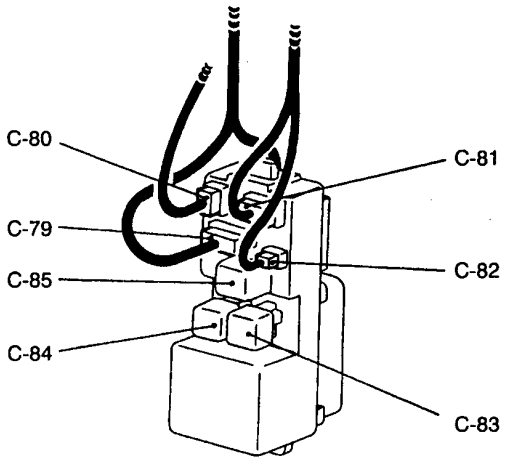


00006903

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)		

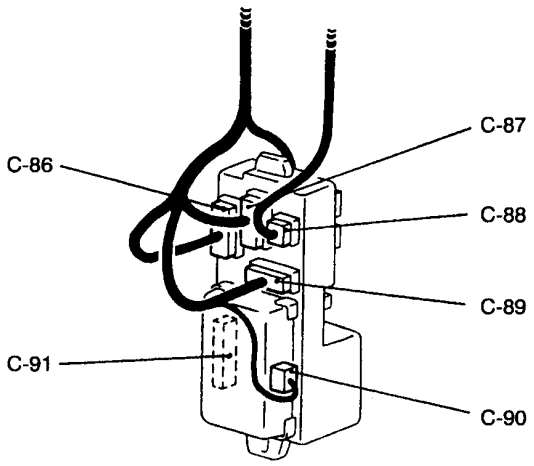
Junction block

<Front side view>



36V0039

<Rear side view>



36V0038

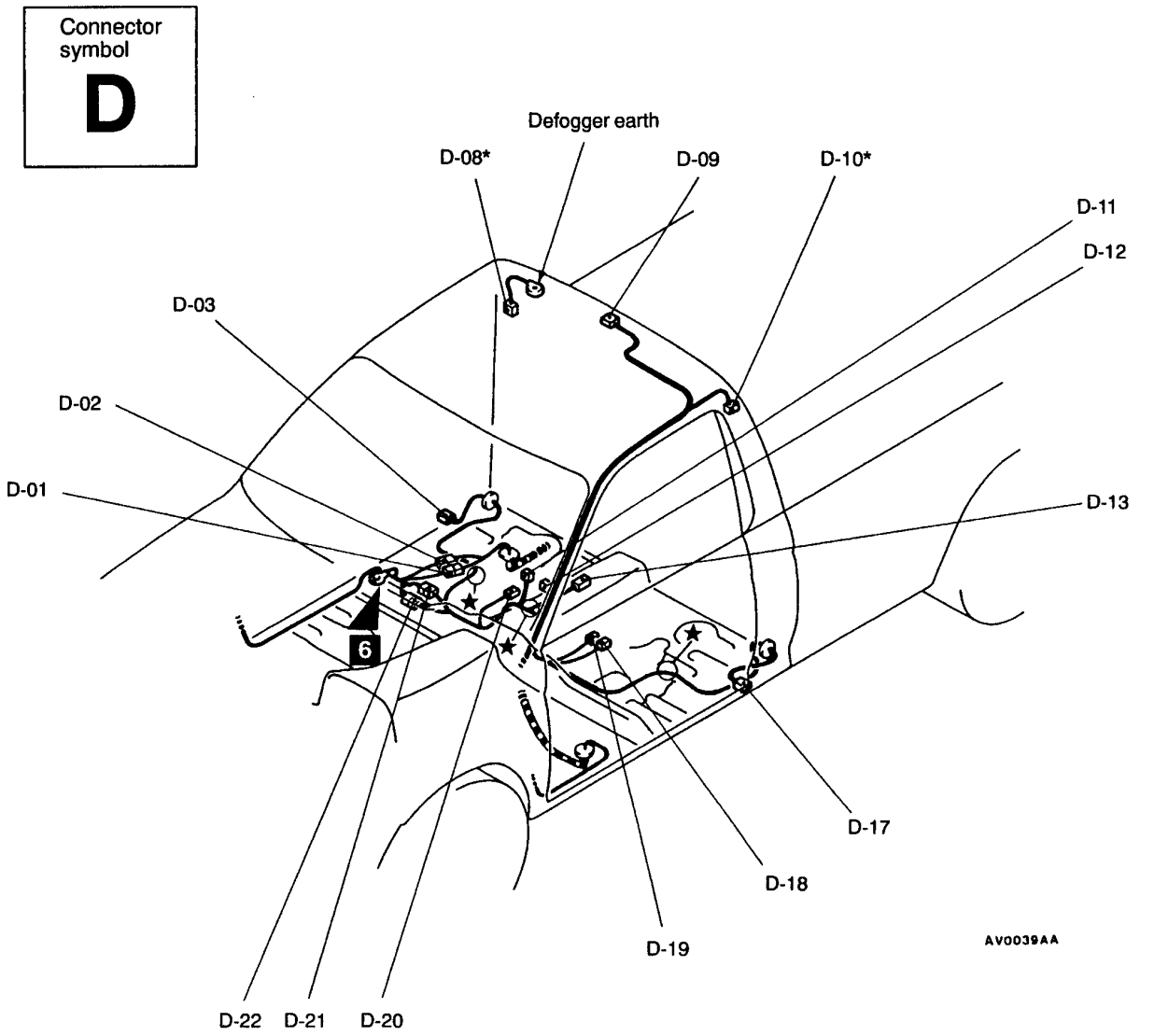
00005012

C-79 (16)	Body wiring harness and J/B combination	C-86 (20)	Body wiring harness and J/B combination
C-80 (2)	Roof wiring harness and J/B combination	C-87 (16-B)	Body wiring harness and J/B combination
C-81 (12)	Front wiring harness and J/B combination	C-88 (4)	Front wiring harness and J/B combination
C-82 (1)	Front wiring harness and J/B combination	C-89 (8)	Body wiring harness and J/B combination
C-83 (5)	Blower relay	C-90 (8)	ETACS-ECU
C-84 (5)	Defogger relay <Vehicles without defogger timer>	C-91 (12)	ETACS-ECU or buzzer-ECU
C-85 (3)	Turn signal and hazard warning flasher unit	C-99X* (6)	Defogger timer
		Remark *: 1998Models	

CABIN

80100220134

Single cab <L.H. drive vehicles>

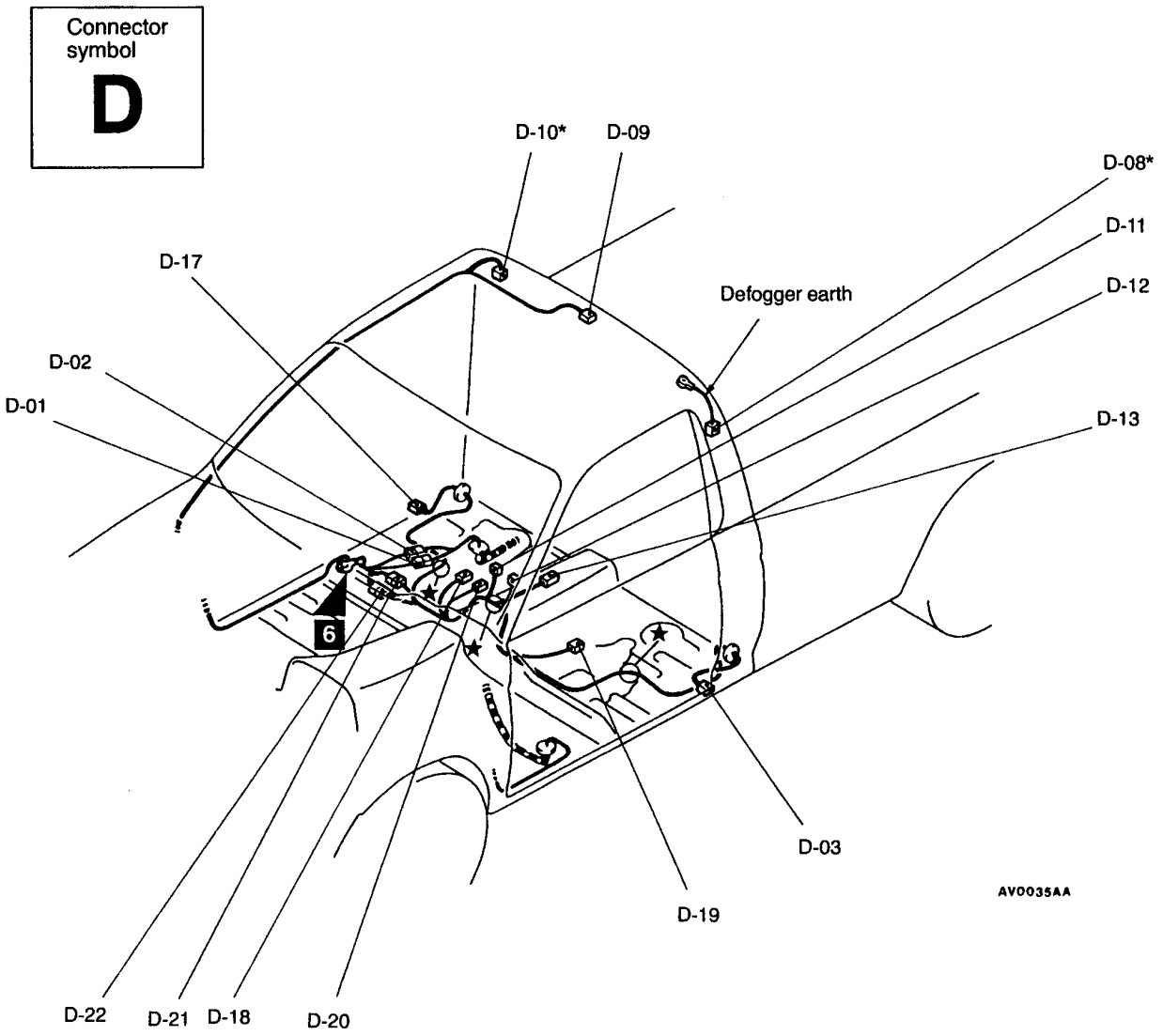


D-01 (6)	Body wiring harness and frame wiring harness combination	D-17 (2)	Front door switch (driver's side)
D-02 (14)	Body wiring harness and frame wiring harness combination	D-18 (2)	No connection
D-03 (1-B)	Front door switch (passenger's side)	D-19 (3-B)	Front seat assembly (LH)
D-08* (1)	Defogger (-)	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)	Remark	
D-13 (1-B)	Parking brake switch	*: 1998Models	

CABIN

80100220141

Single cab <R.H. drive vehicles>



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)	Remark	
D-12 (6)	Heated seat switch (LH)	*: 1998Models	
D-13 (1-B)	Parking brake switch		

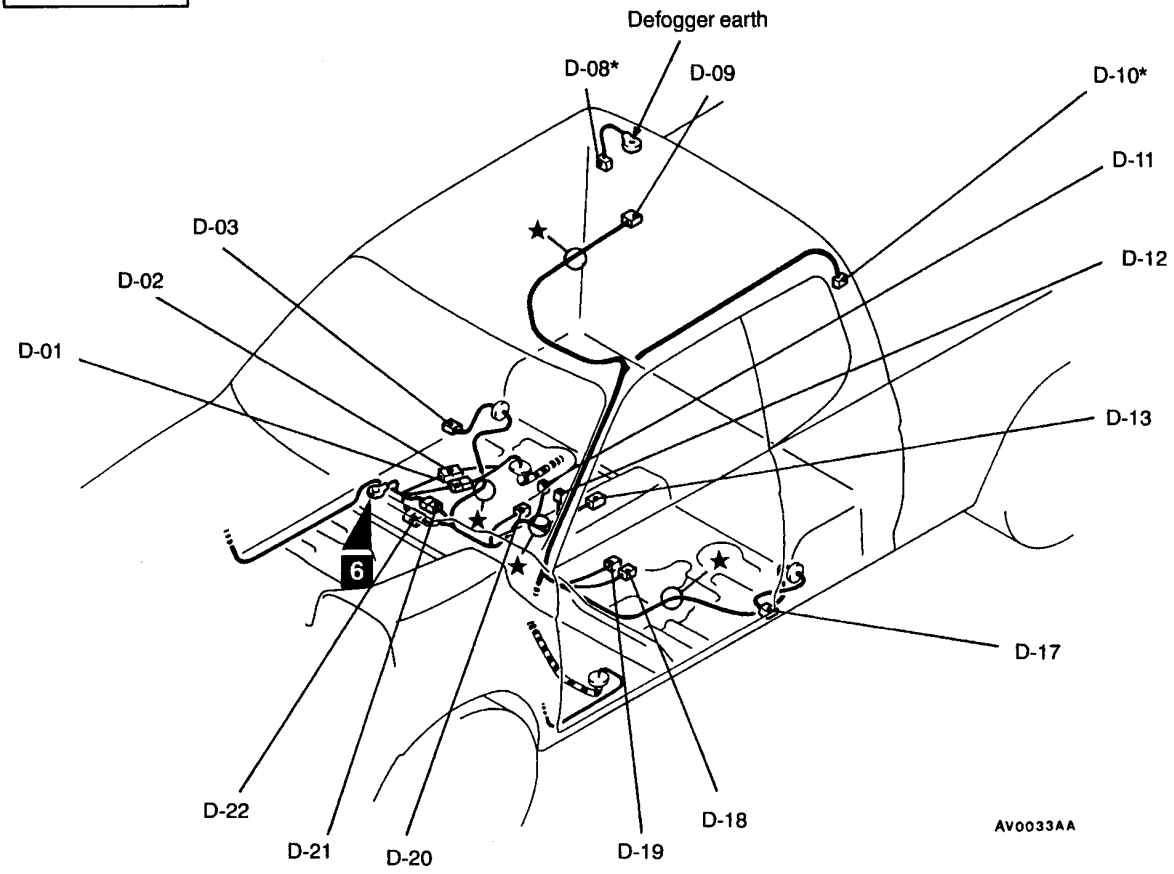
CABIN

80100220158

Club cab

Connector symbol

D



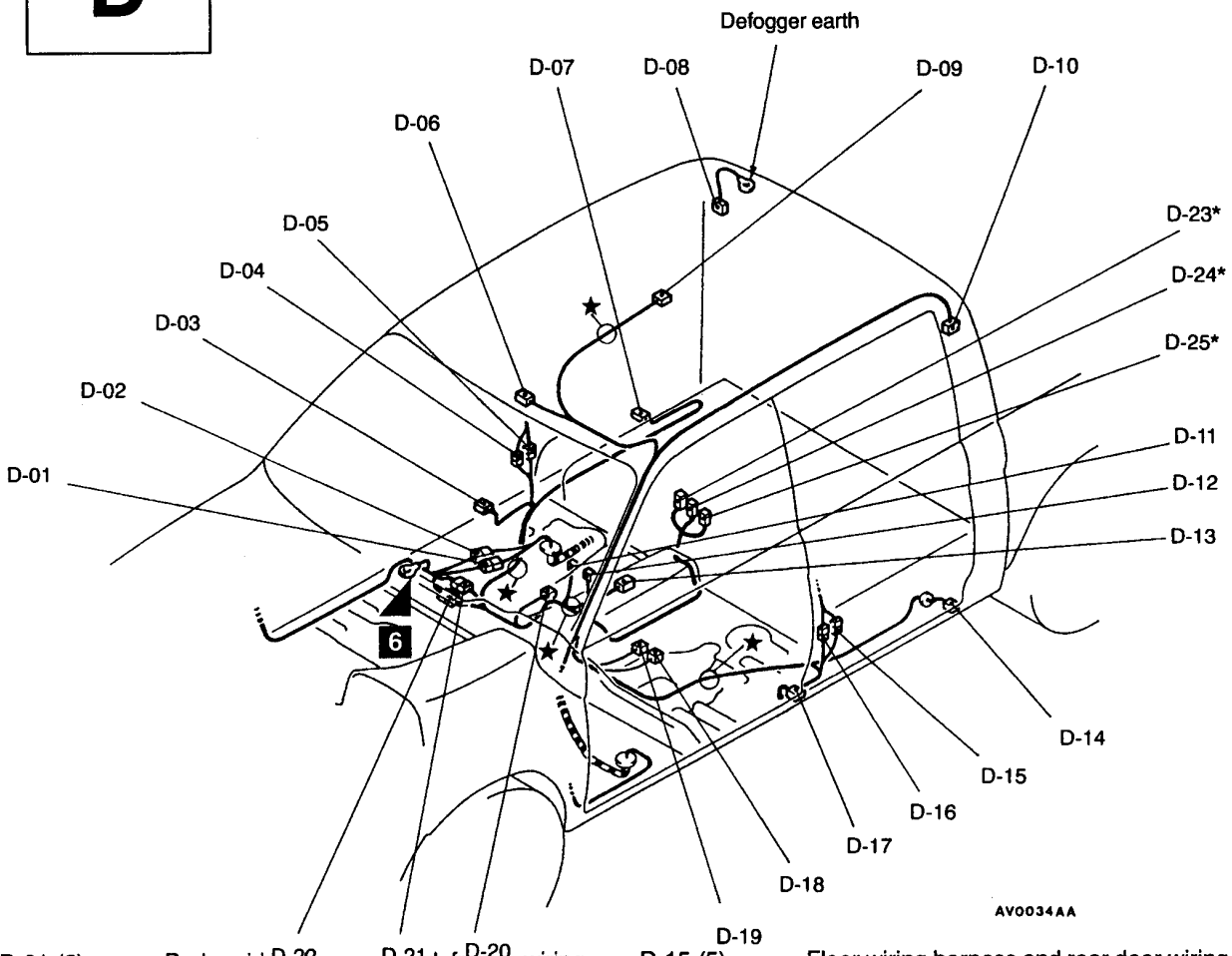
D-01 (6)	Body wiring harness and frame wiring harness combination	D-17 (2)	Front door switch (driver's side)
D-02 (14)	Body wiring harness and frame wiring harness combination	D-18 (2)	No connection
D-03 (1-B)	Front door switch (passenger's side)	D-19 (3-B)	Front seat assembly (LH)
D-08* (1)	Defogger (–)	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)	Remark	
D-13 (1-B)	Parking brake switch	*: 1998Models	

CABIN

80100220165

Double cab

Connector symbol
D



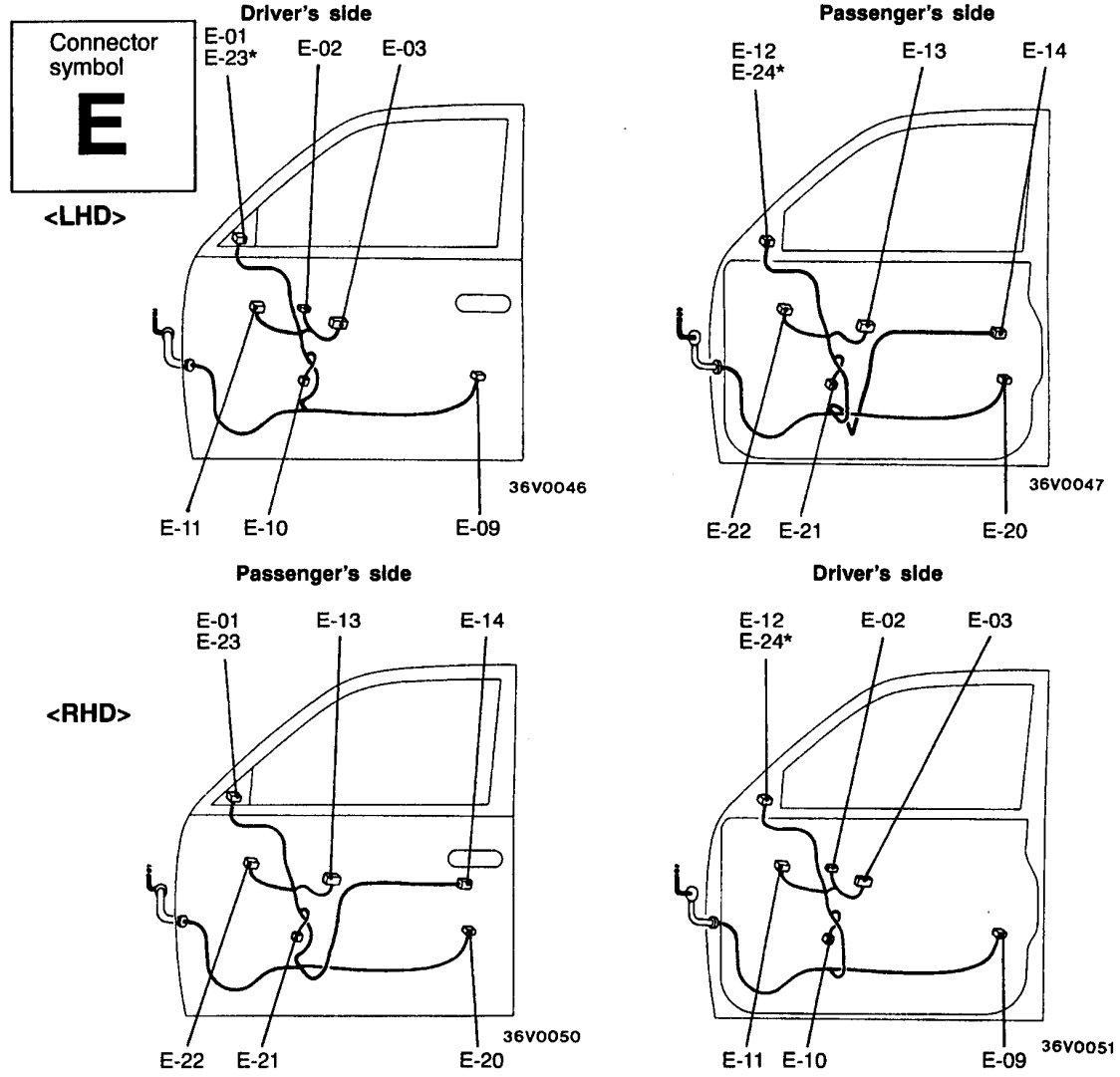
D-01 (6)	Body wiring harness and frame wiring harness combination
D-02 (14)	Body wiring harness and frame wiring harness combination
D-03 (1-B)	Front door switch (passenger's side)
D-04 (6)	Floor wiring harness and rear door wiring harness (RH) combination
D-05 (5)	Front wiring harness and rear door wiring harness (RH) combination
D-06 (1)	Map lamp
D-07 (1-B)	Rear door switch (RH)
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-14 (1-B)	Rear door switch (LH)
D-15 (5)	Floor wiring harness and rear door wiring harness (LH) combination
D-16 (6)	Floor wiring harness and rear door wiring harness (LH) combination
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
D-23* (2)	Rear heater illumination lamp
D-24* (6)	Rear heater switch
D-25* (4)	Rear blower motor

Remark
*: 1998Models

DOOR

80100140447

Single cab and club cab



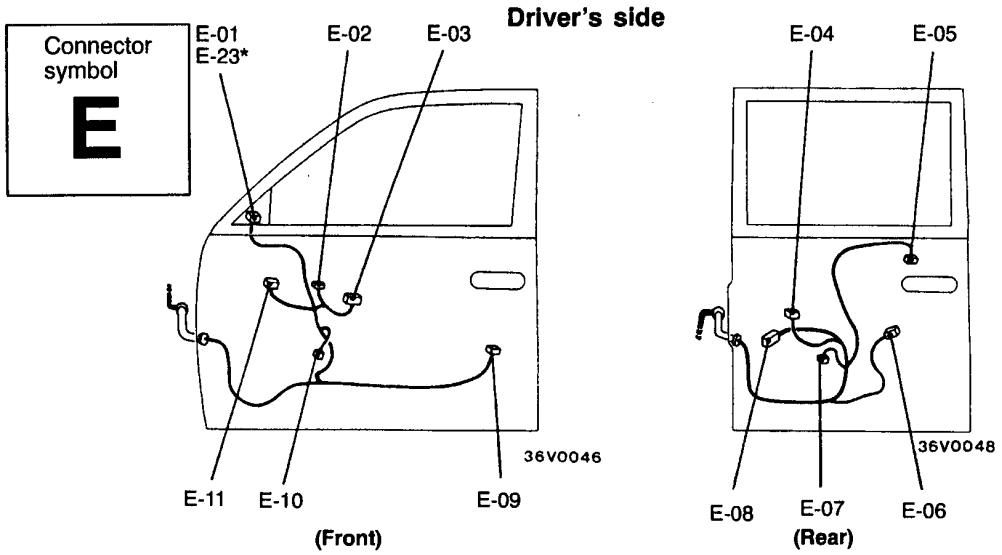
00005013

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)	Remark *: 1998Models	
E-13 (8)	Power window sub switch (front passenger's side)		
E-14 (3)	Door lock key cylinder switch		

DOOR

80100140454

Double cab

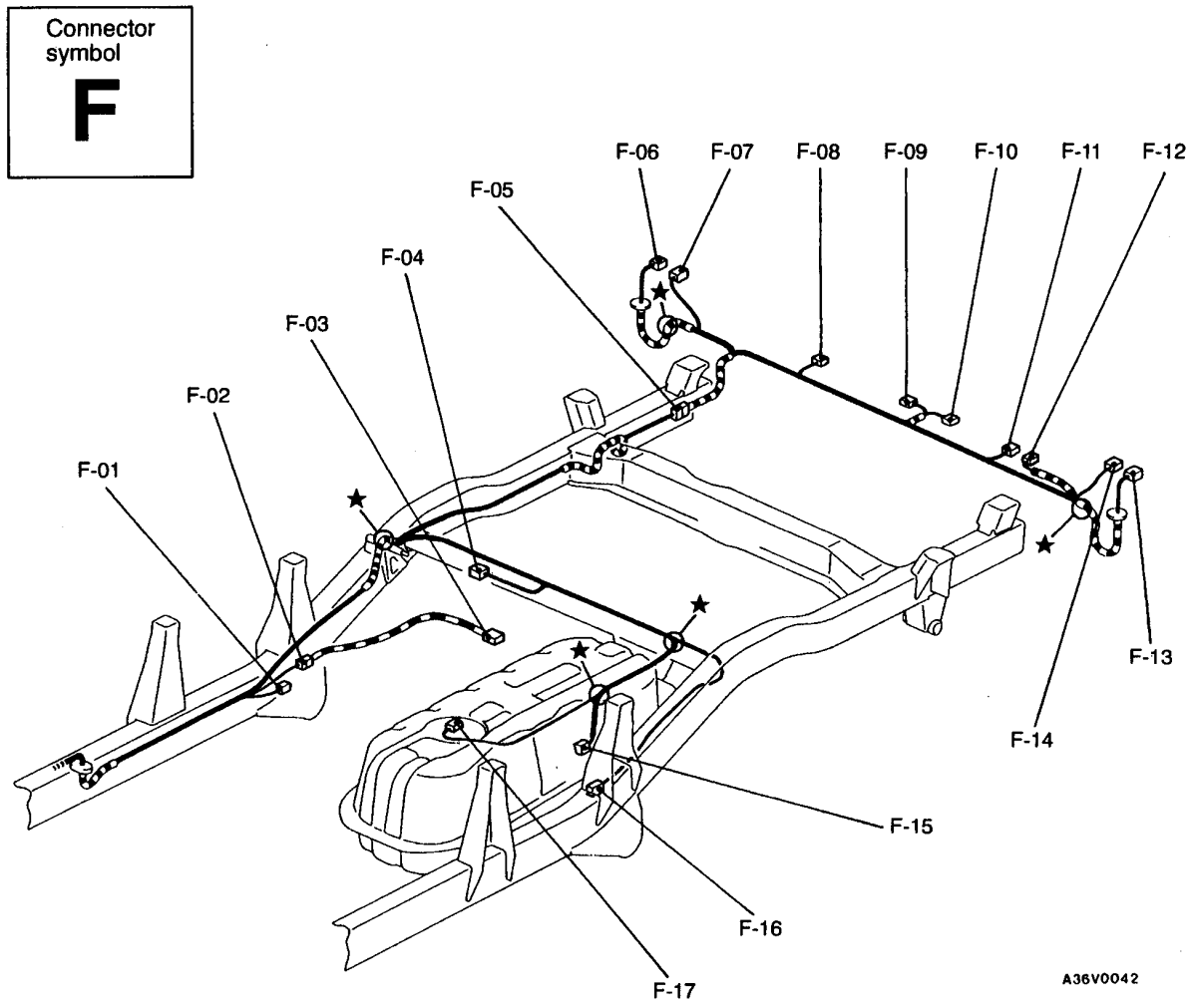


00005014

E-01 (3)	Remote controlled mirror (LH) (without door mirror heater)	E-15 (8)	Power window sub switch (rear: RH)
E-02 (9)	Remote controlled mirror switch	E-16 (5)	Door lock actuator (rear: RH)
E-03 (10)	Power window main switch	E-17 (2-B)	Rear door speaker (RH)
E-04 (8)	Power window sub switch (rear: LH)	E-18 (2)	Power window motor (rear: RH)
E-05 (5)	Door lock actuator (rear: LH)	E-19 (2)	Power window limit switch (rear: RH)
E-06 (2-B)	Rear door speaker (LH)	E-20 (4)	Door lock actuator (front passenger's side)
E-07 (2)	Power window motor (rear: LH)	E-21 (2)	Power window limit switch (front passenger's side)
E-08 (2)	Power window limit switch (rear: LH)	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)	Remark *: 1998Models	
E-13 (8)	Power window sub switch (front passenger's side)		
E-14 (3)	Door lock key cylinder switch		

FRAME

80100230014



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

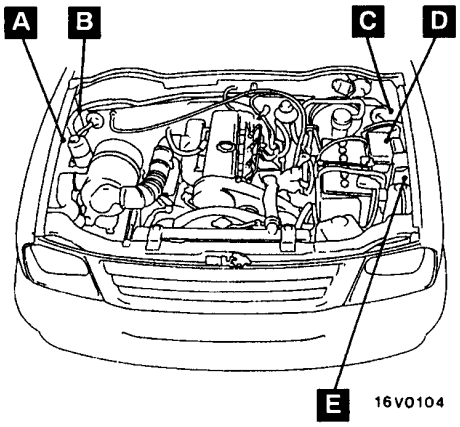
70109000150

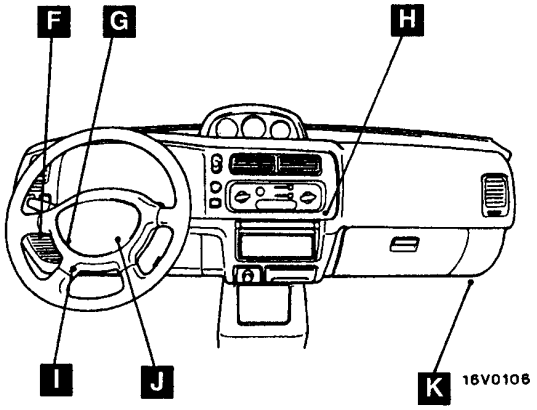
RELAY 3-2
ECU 3-4
SENSOR 3-6
SOLENOID AND SOLENOID VALVE 3-9
DIODE 3-11
INSPECTION CONNECTOR 3-12
FUSIBLE LINK AND FUSE 3-13
EARTH CABLE 3-14
EARTH 3-15

RELAY

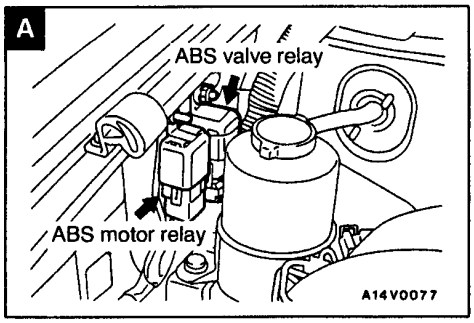
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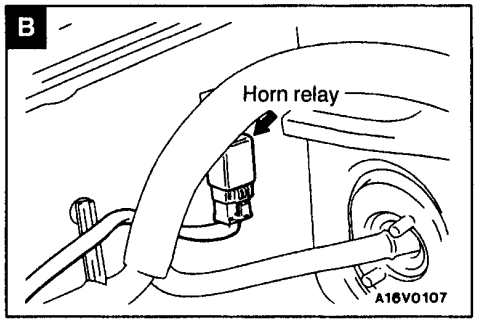
Name	Symbol	Name	Symbol
ABS motor relay	A	Fuel pump relay	K
ABS valve relay	A	Glow plug relay <Diesel>	C
A/C compressor relay	D	Headlamp relay	D
Alternator relay	D	Headlamp washer relay	E
Blower relay	I	Horn relay <SRS>	B
Condenser fan control relay <Diesel-A/T>	D	Intercooler fan relay	D
Condenser fan 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



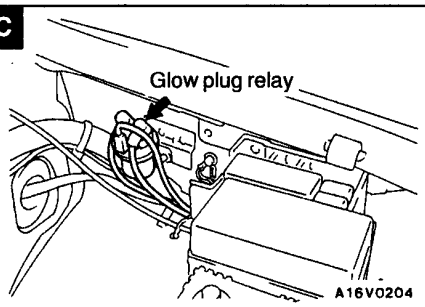


00007030

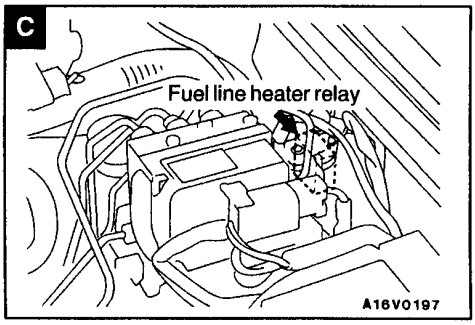




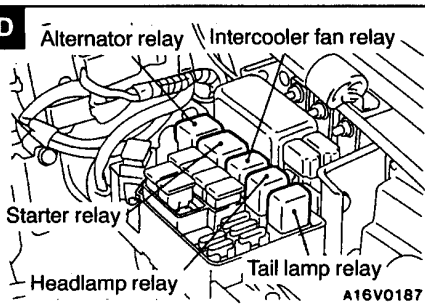
C



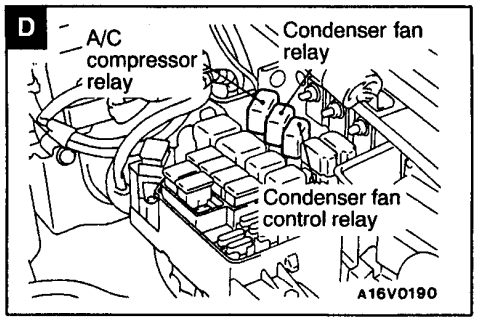
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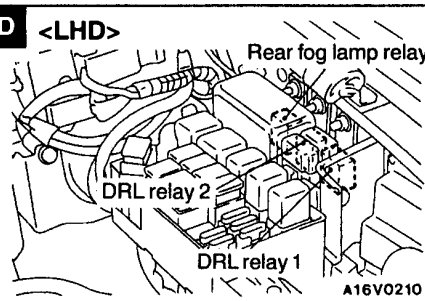
D



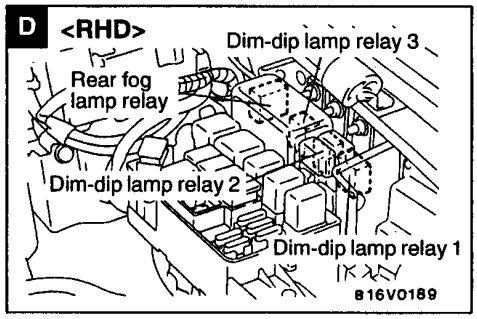
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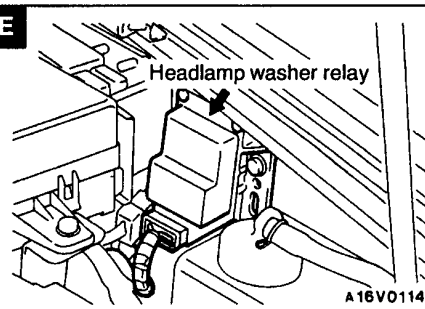
D <LHD>



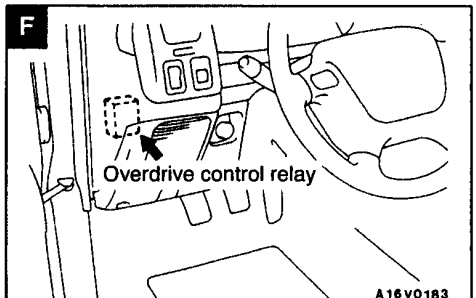
D <RHD>



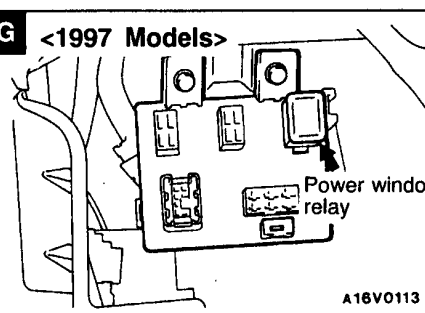
E



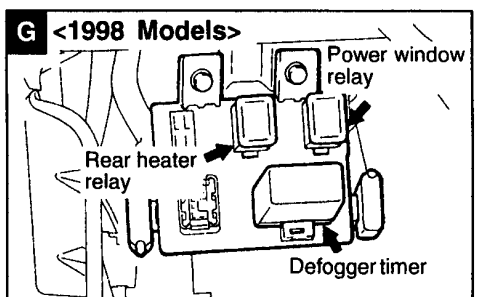
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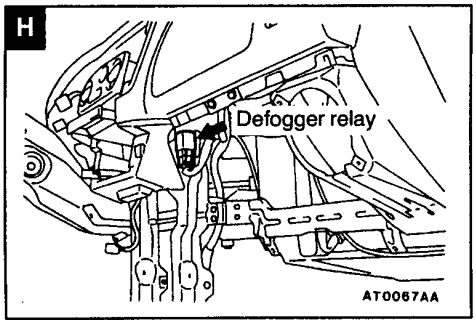


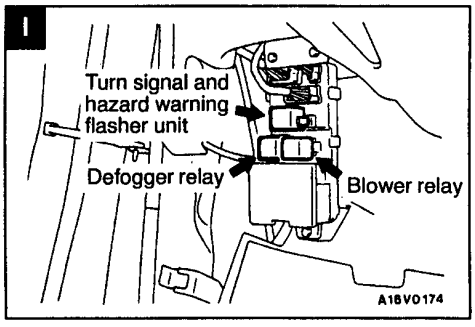
G <1997 Models>

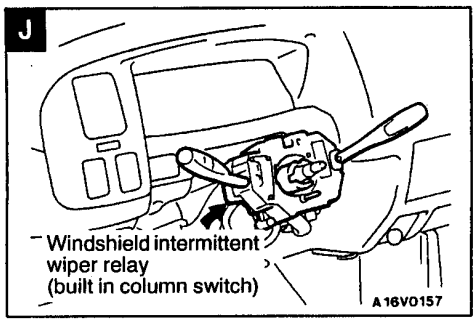


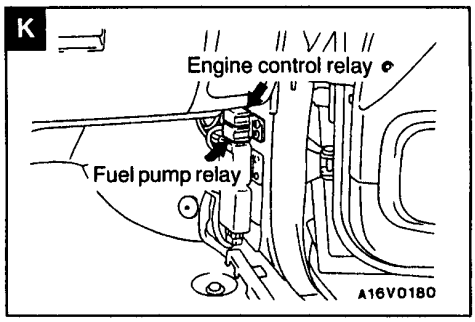
G <1998 Models>







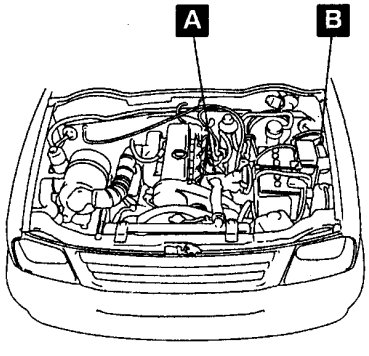


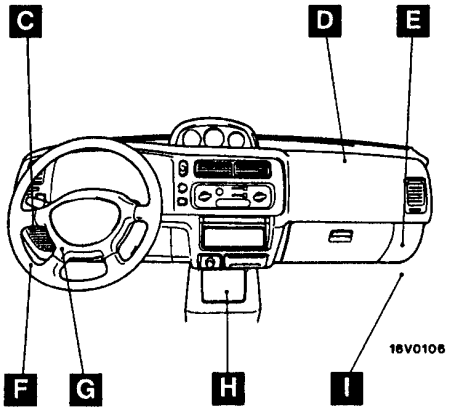


ECU

70100050086

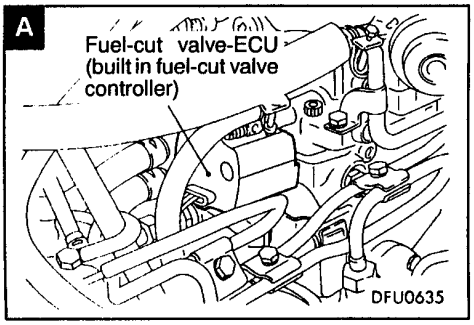
Name	Symbol	Name	Symbol
ABS-ECU	C	Fuel-cut valve-ECU <Diesel>	A
Buzzer-ECU	G	Glow-ECU <Diesel>	E
Compressor-ECU <Diesel-A/T>	D	Immobilizer-ECU	F
DRL-ECU	B	Intercooler fan-ECU <Diesel>	I
Engine-ECU <Petrol>	E	Rear differential lock-ECU	I
ETACS-ECU	G	SRS diagnosis unit	H
4WD indicator-ECU	I		



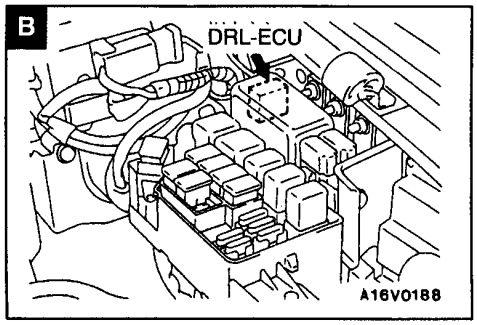


00005170

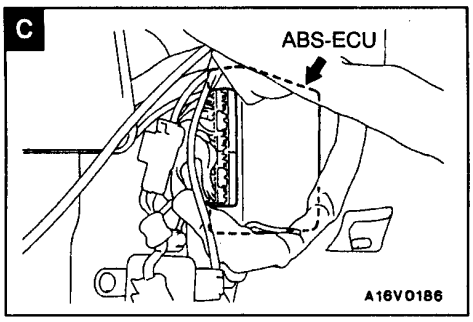
A


Fuel-cut valve-ECU
(built in fuel-cut valve
controller)
DFU0635

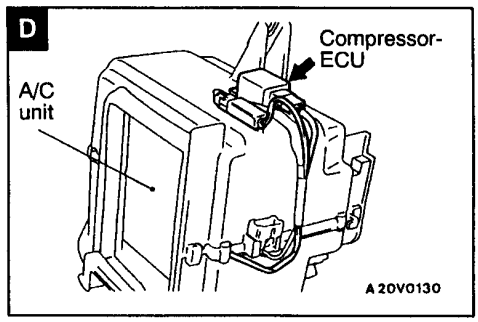
B


DRL-ECU
A16V0188

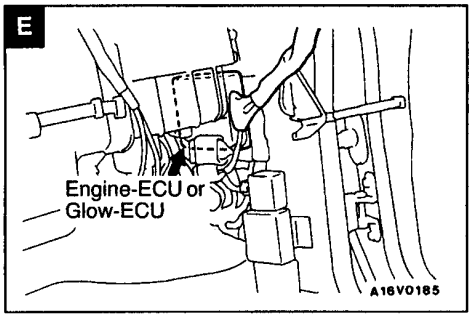
C


ABS-ECU
A16V0186

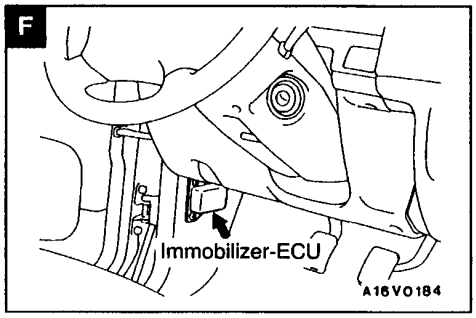
D


Compressor-
ECU
A/C
unit
A20V0130

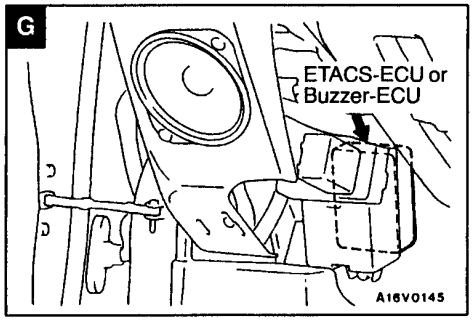
E


Engine-ECU or
Glow-ECU
A16V0185

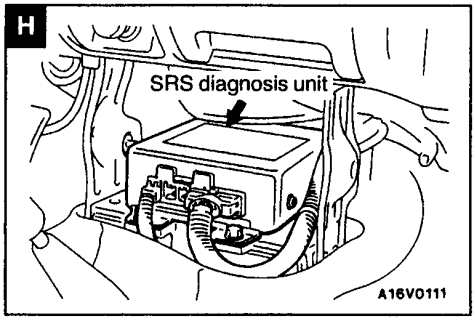
F


Immobilizer-ECU
A16V0184

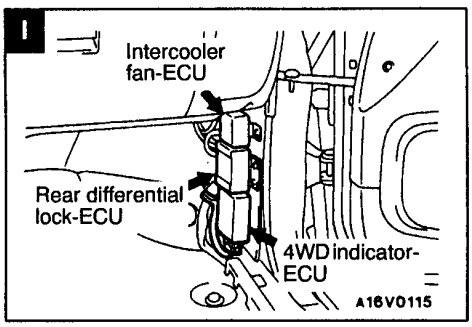
G


ETACS-ECU or
Buzzer-ECU
A16V0145

H


SRS diagnosis unit
A16V0111

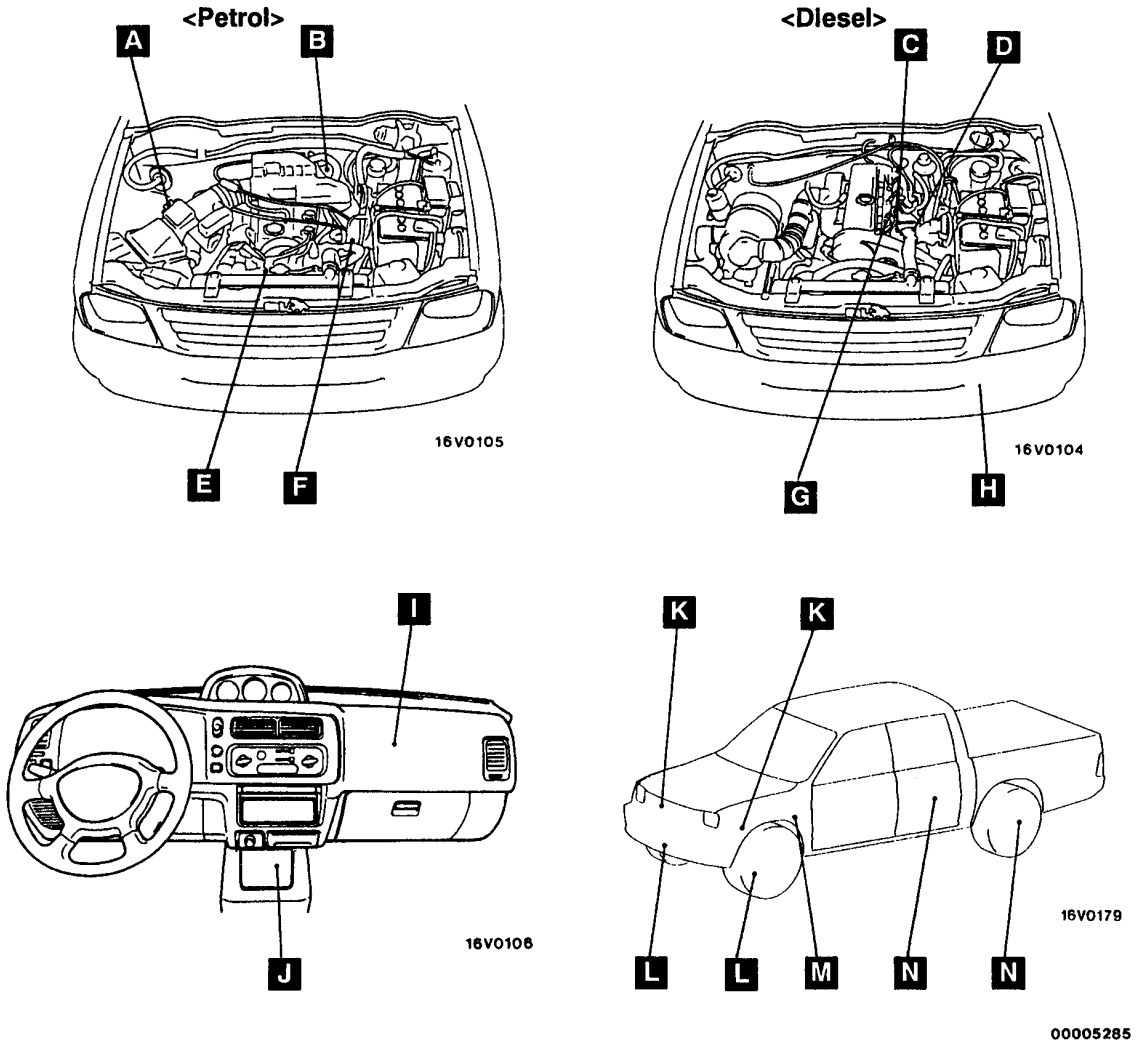
I


Intercooler
fan-ECU
Rear differential
lock-ECU
4WD indicator-
ECU
A16V0115

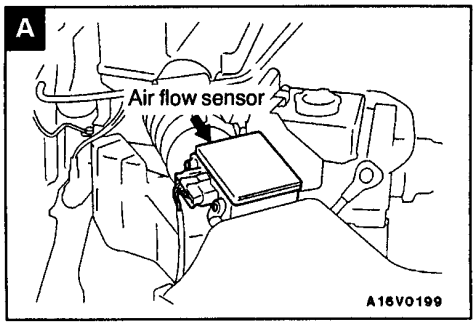
SENSOR

70100060171

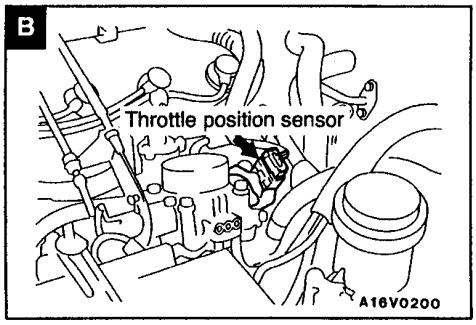
Name	Symbol	Name	Symbol
Air flow sensor <Petrol>	A	Front impact sensor <SRS>	L
Crank angle sensor and top dead centre sensor (built in distributor) <Petrol>	F	G sensor <ABS>	K
		Outside thermo sensor <Multi-meter>	I
Engine coolant temperature sensor and gauge unit <Diesel>	H	Oxygen sensor <Petrol>	N
		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



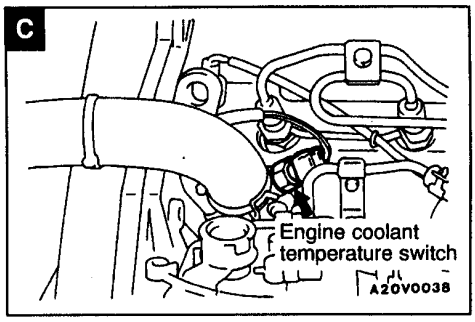
A


Air flow sensor
A16V0199

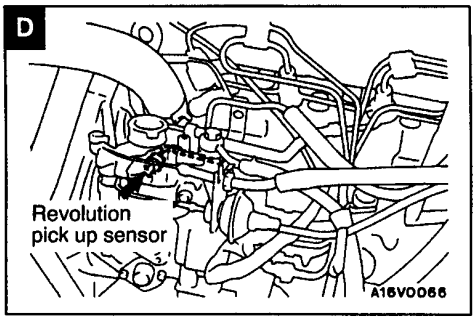
B


Throttle position sensor
A16V0200

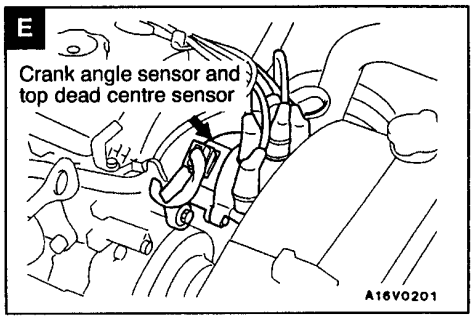
C


Engine coolant
temperature switch
A20V0038

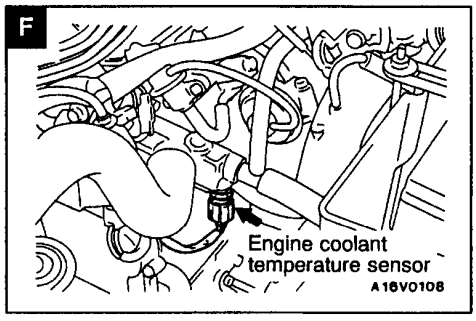
D


Revolution
pick up sensor
A16V0066

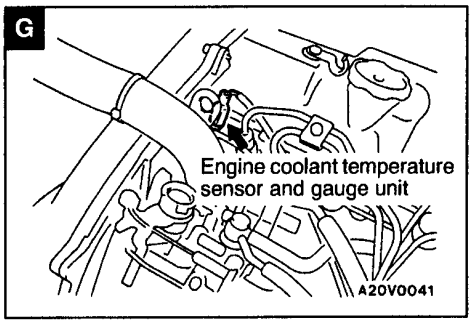
E


Crank angle sensor and
top dead centre sensor
A16V0201

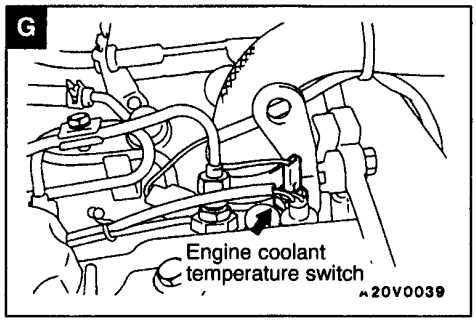
F


Engine coolant
temperature sensor
A16V0108

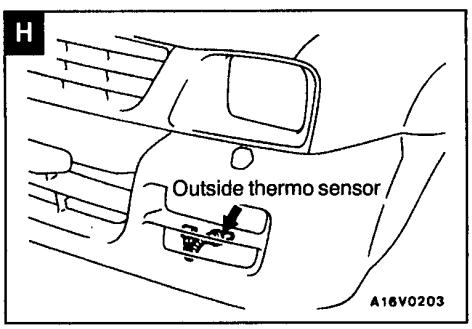
G


Engine coolant temperature
sensor and gauge unit
A20V0041

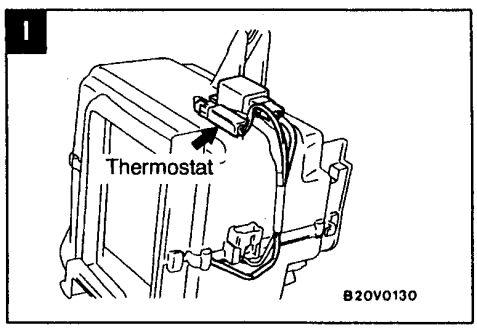
G


Engine coolant
temperature switch
A20V0039

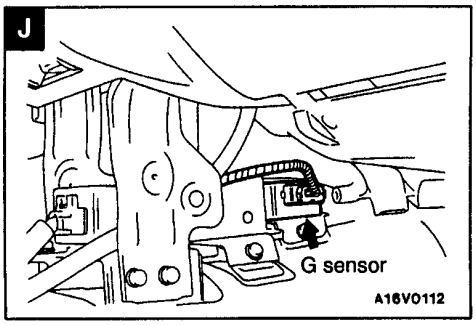
H


Outside thermo sensor
A16V0203

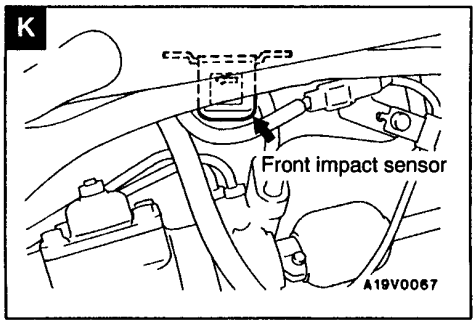
I


Thermostat
B20V0130

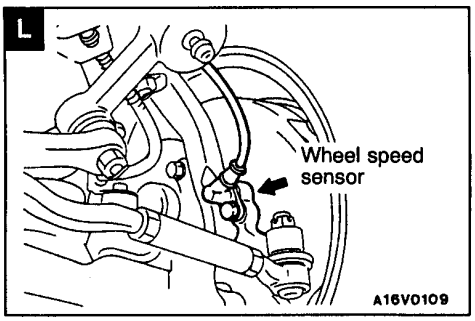
J


G sensor
A16V0112

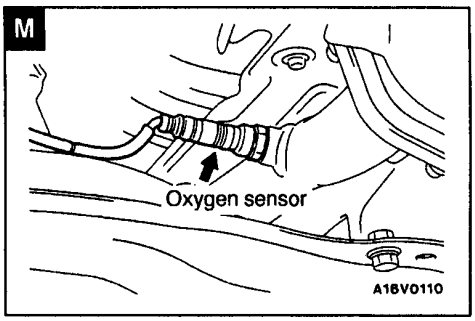
K


Front impact sensor
A19V0067

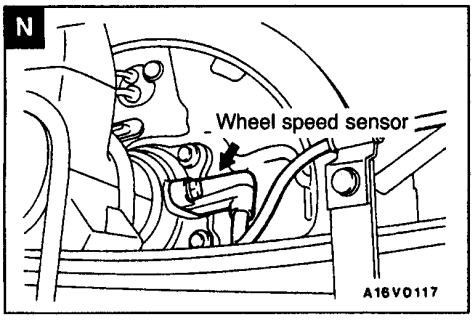
L


Wheel speed sensor
A16V0109

M


Oxygen sensor
A16V0110

N

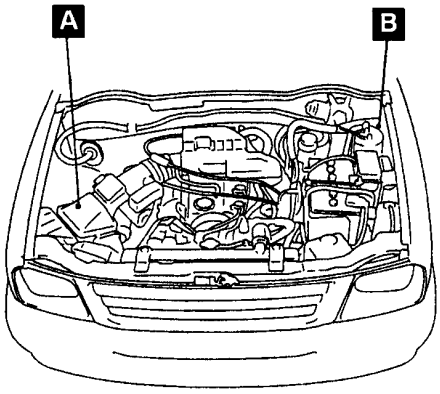

Wheel speed sensor
A16V0117

SOLENOID AND SOLENOID VALVE

70100080146

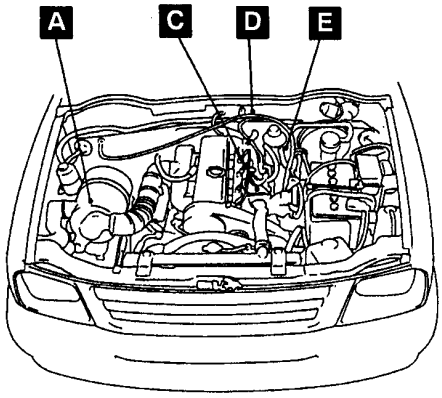
Name	Symbol	Name	Symbol
EGR solenoid valve <Petrol>	B	Overdrive solenoid valve	F
Fuel cut solenoid valve <Diesel>	C	Purge control solenoid valve <Petrol>	B
Idle-up solenoid valve <ABS>	D	Solenoid valve 1.2. <4WD>	A
Idle-up solenoid valve (A/C) <Diesel>	E		

<Petrol>

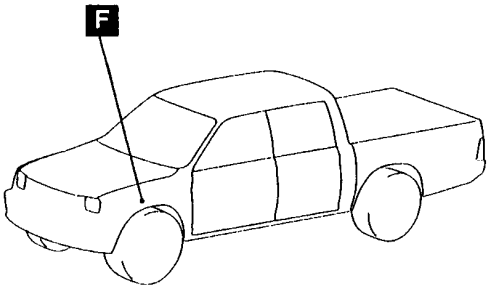


16V0105

<Diesel>

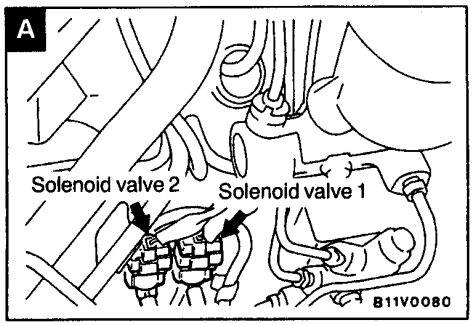


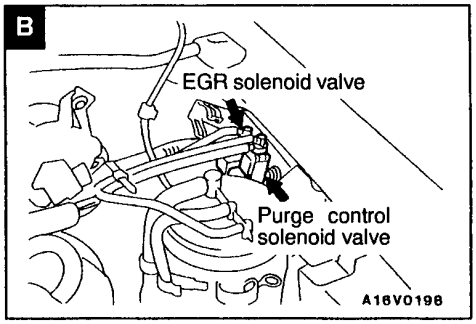
16V0104



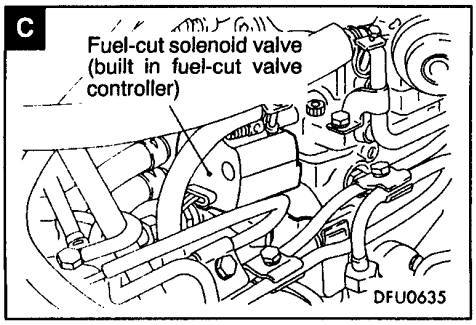
16V0179

00005286

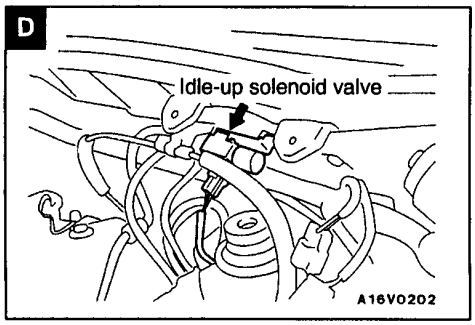




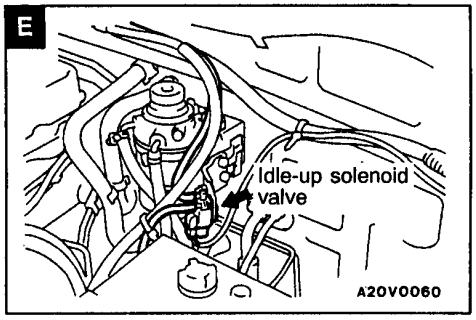
C


Fuel-cut solenoid valve
(built in fuel-cut valve
controller)
DFU0635

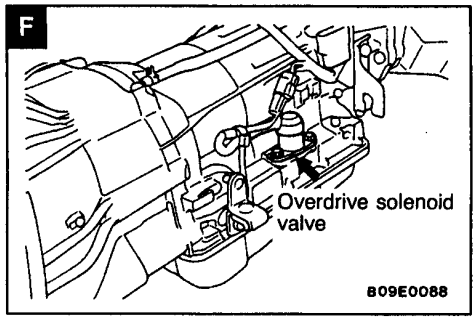
D


Idle-up solenoid valve
A16V0202

E


Idle-up solenoid
valve
A20V0060

F

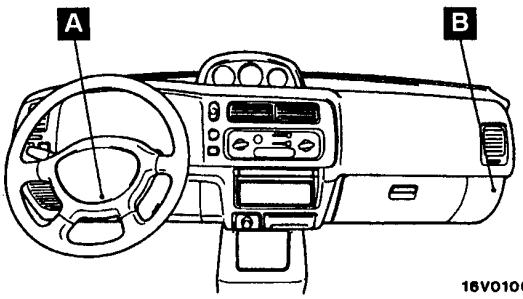

Overdrive solenoid
valve
B09E0088

DIODE

70100090163

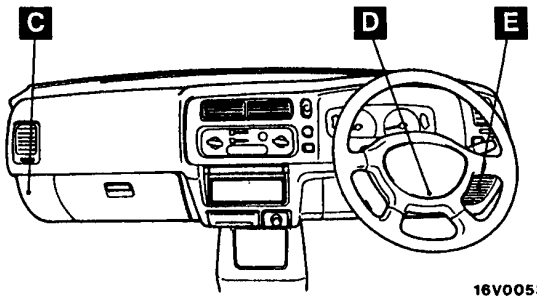
Name		Symbol	Name		Symbol
Diode (ABS circuit)	<LHD>	B	Diode (for headlamp and rear fog lamp circuit)	<LHD>	A
	<RHD>	E		<RHD>	D
Diode (for dim-dip lamp circuit)		C			

<LHD>



16V0106

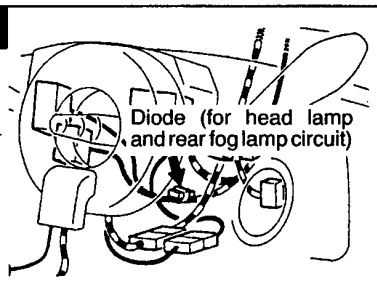
<RHD>



16V0053

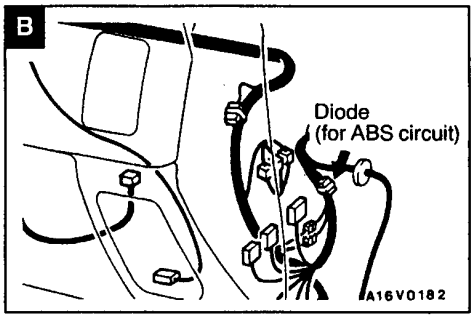
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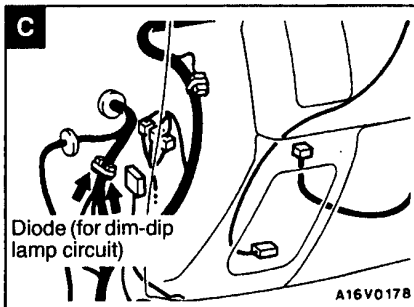
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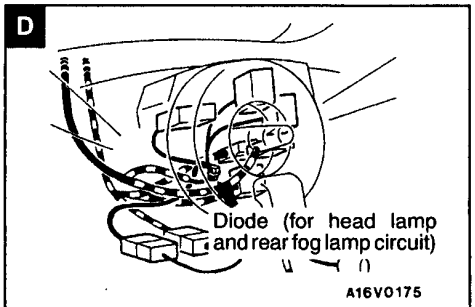
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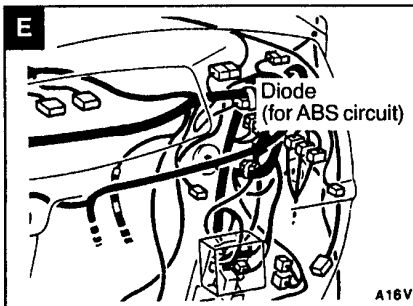
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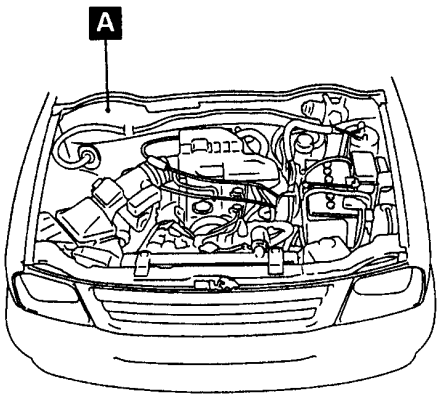


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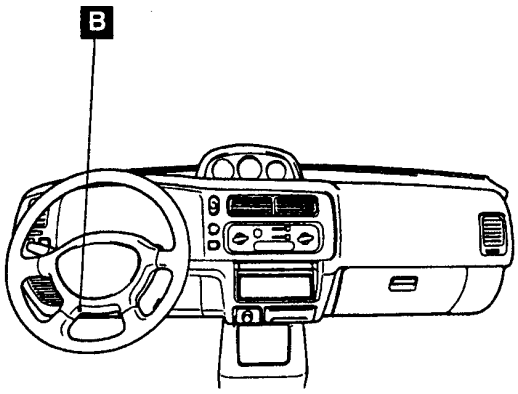
INSPECTION CONNECTOR

70100020148

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

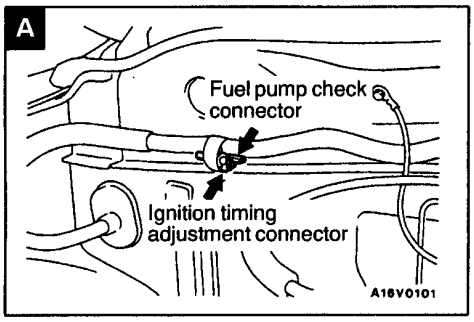


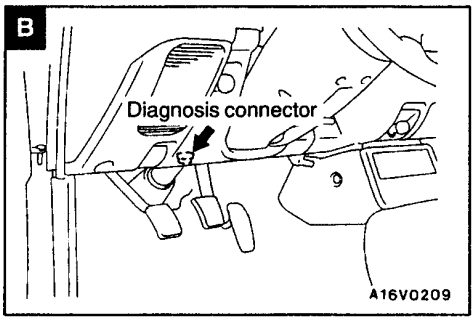
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16V0106

00005174

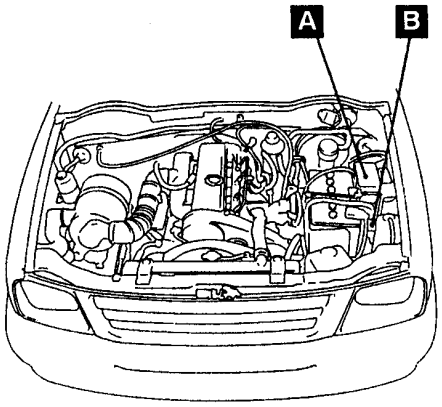




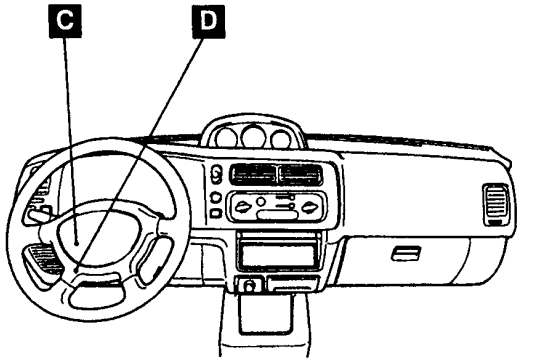
FUSIBLE LINK AND FUSE

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

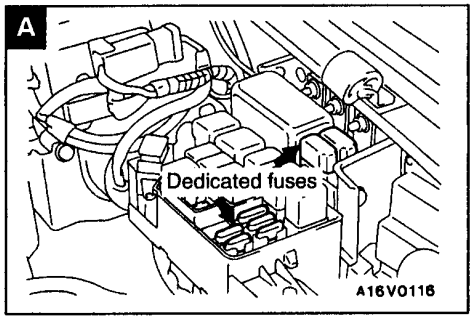


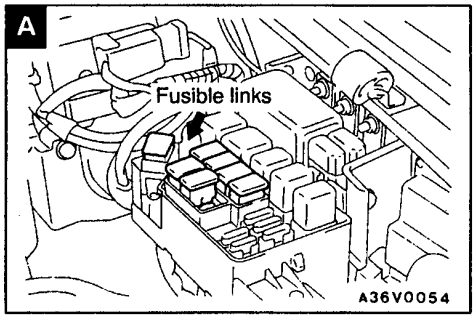
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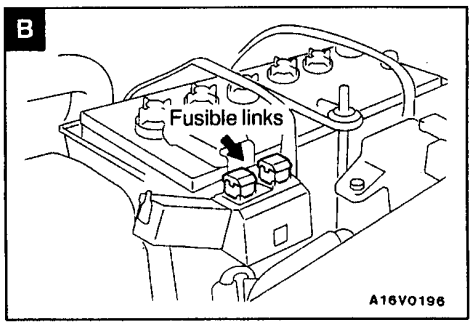


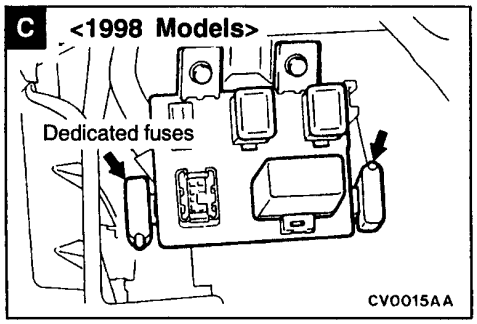
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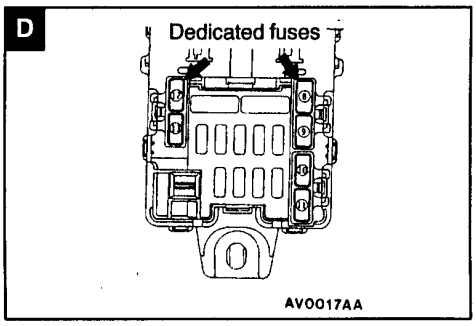
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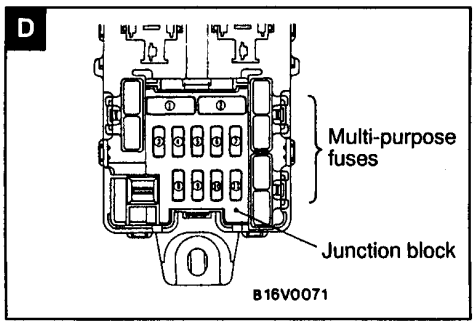






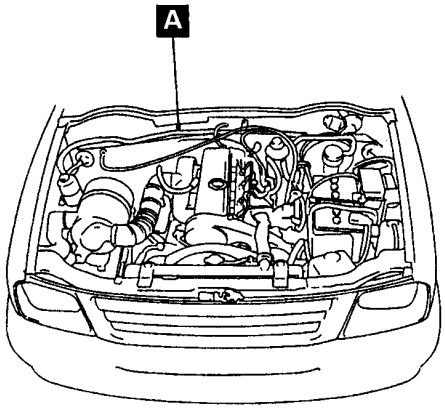


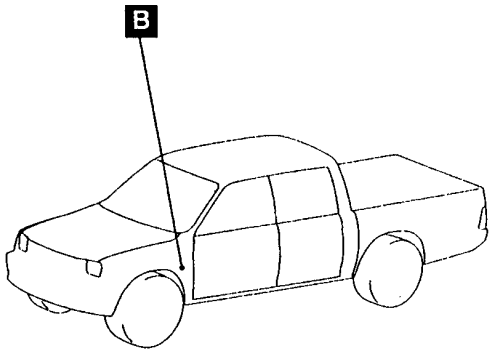




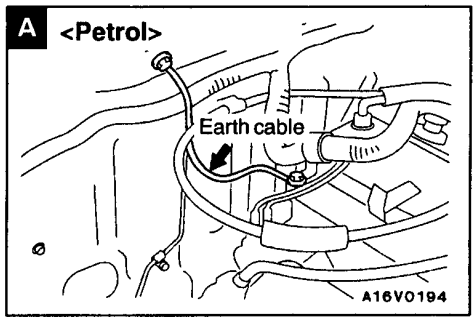
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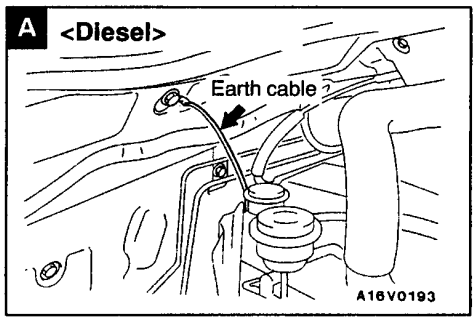
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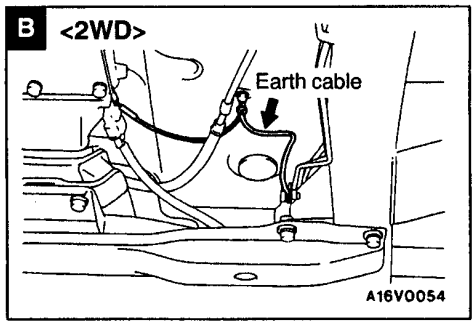


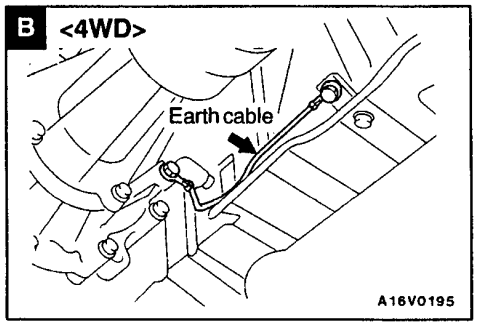


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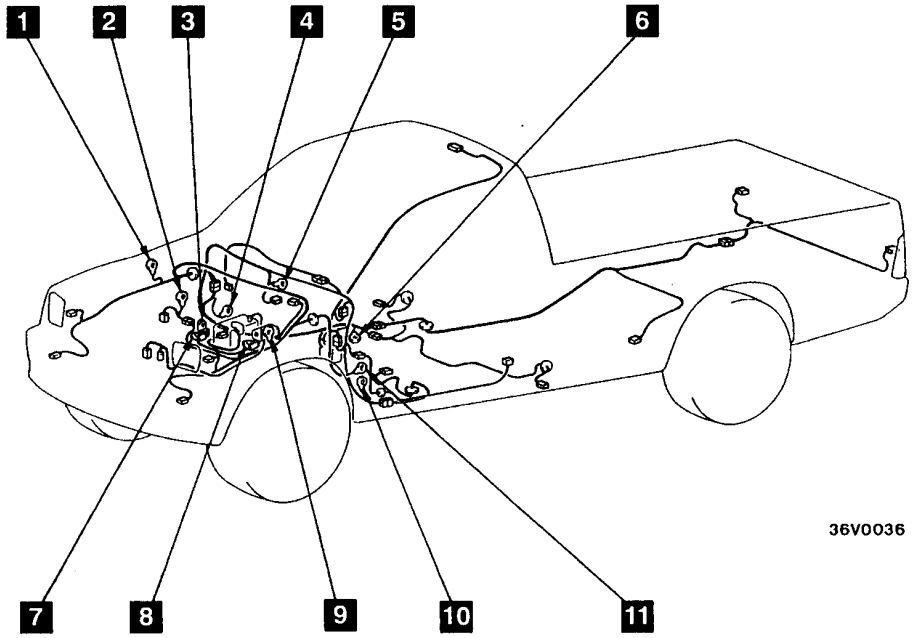


EARTH

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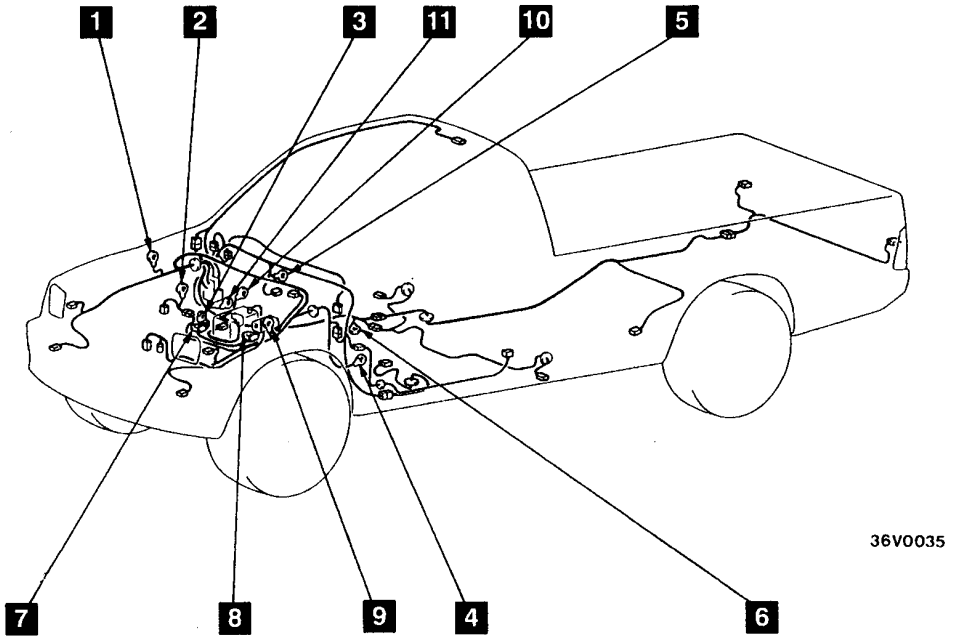
Single cab

<L.H. drive vehicles>



36V0036

<R.H. drive vehicles>

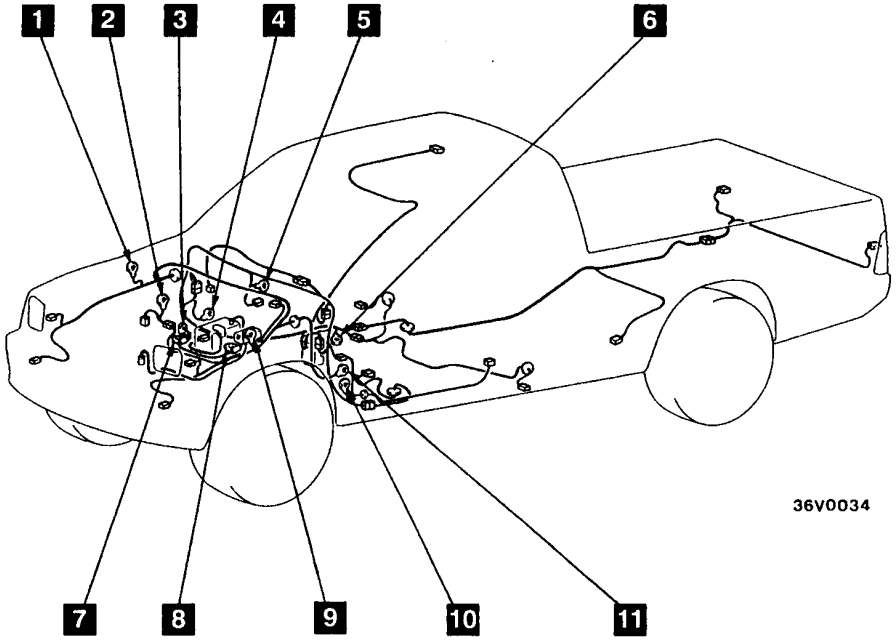


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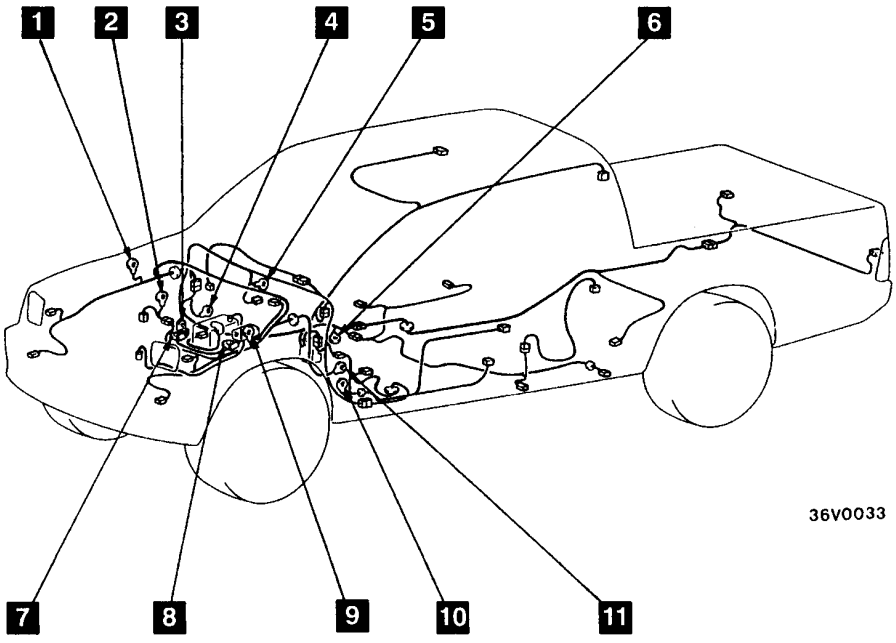
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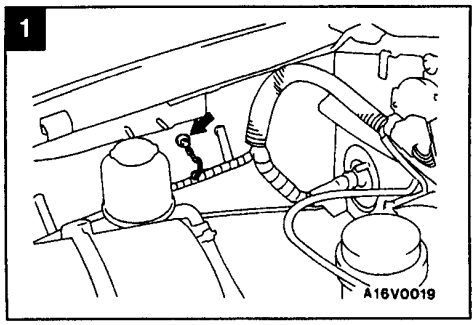
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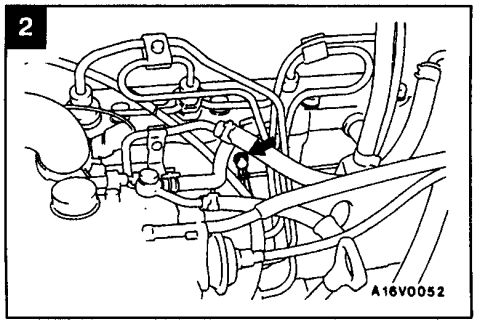
Club cab

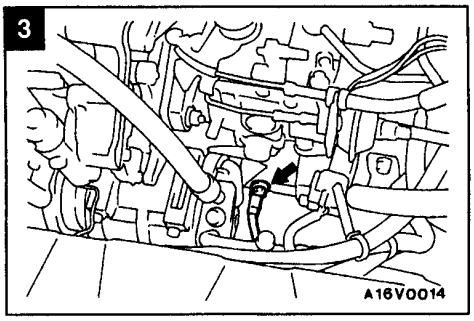


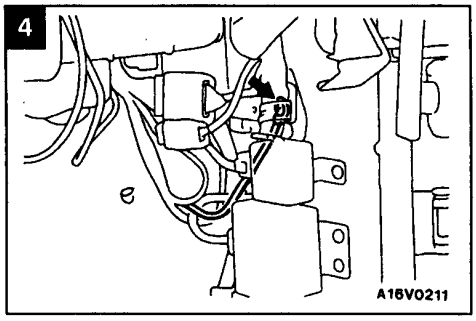
Double cab

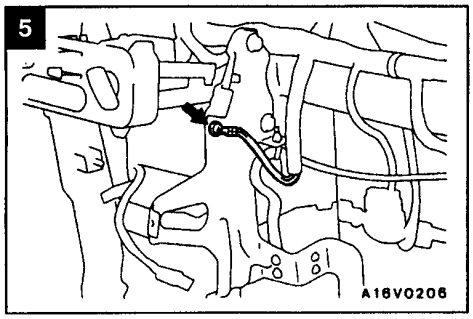


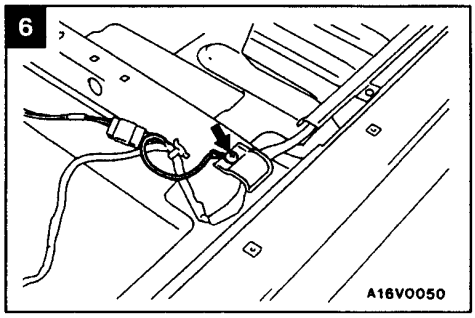
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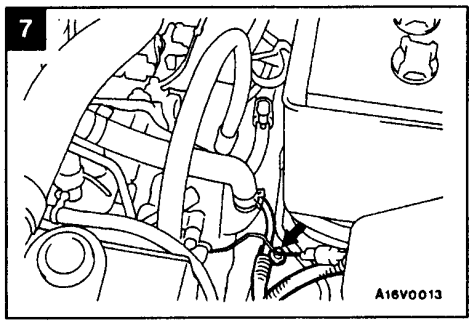
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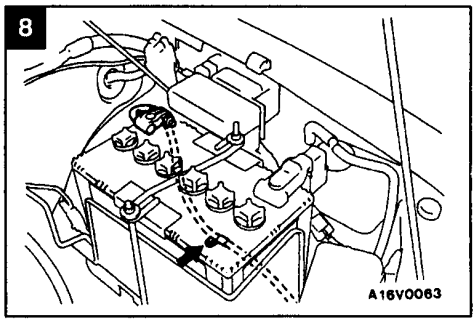
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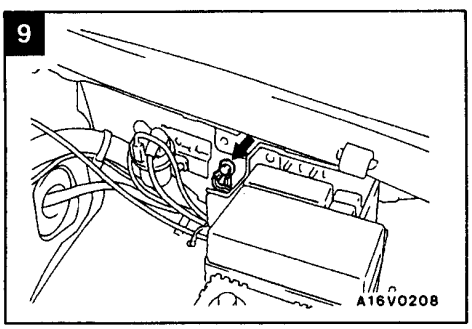
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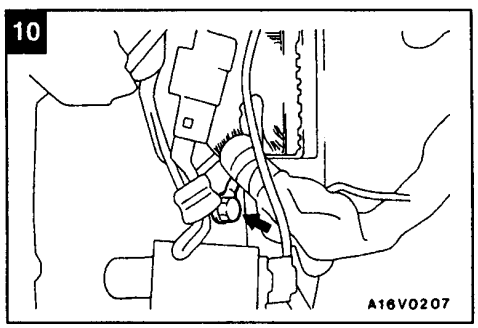
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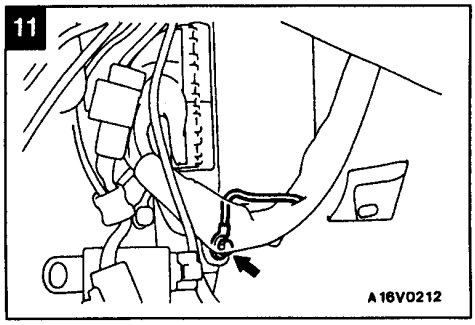
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7


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10



11
A16V0212

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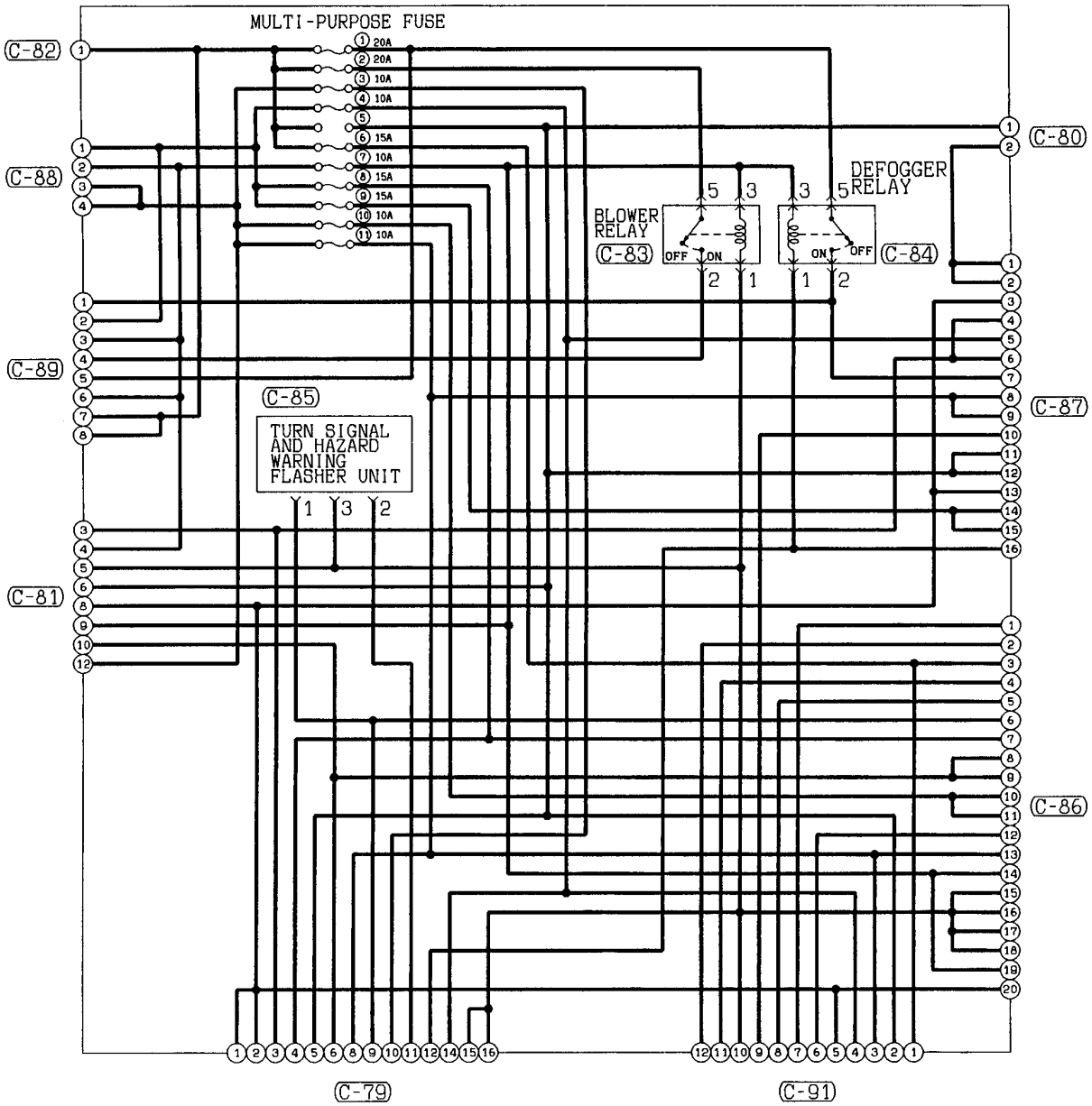
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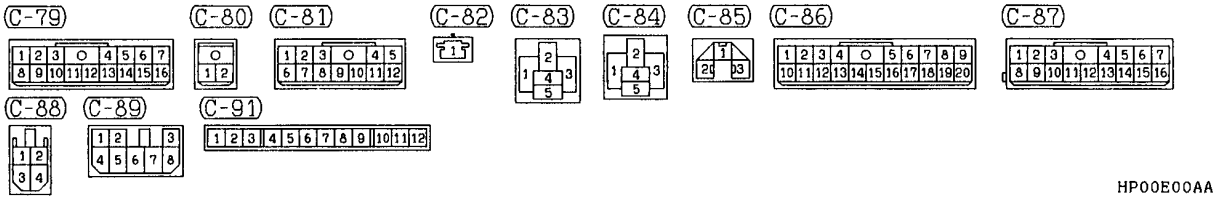
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JUNCTION BLOCK (J/B)

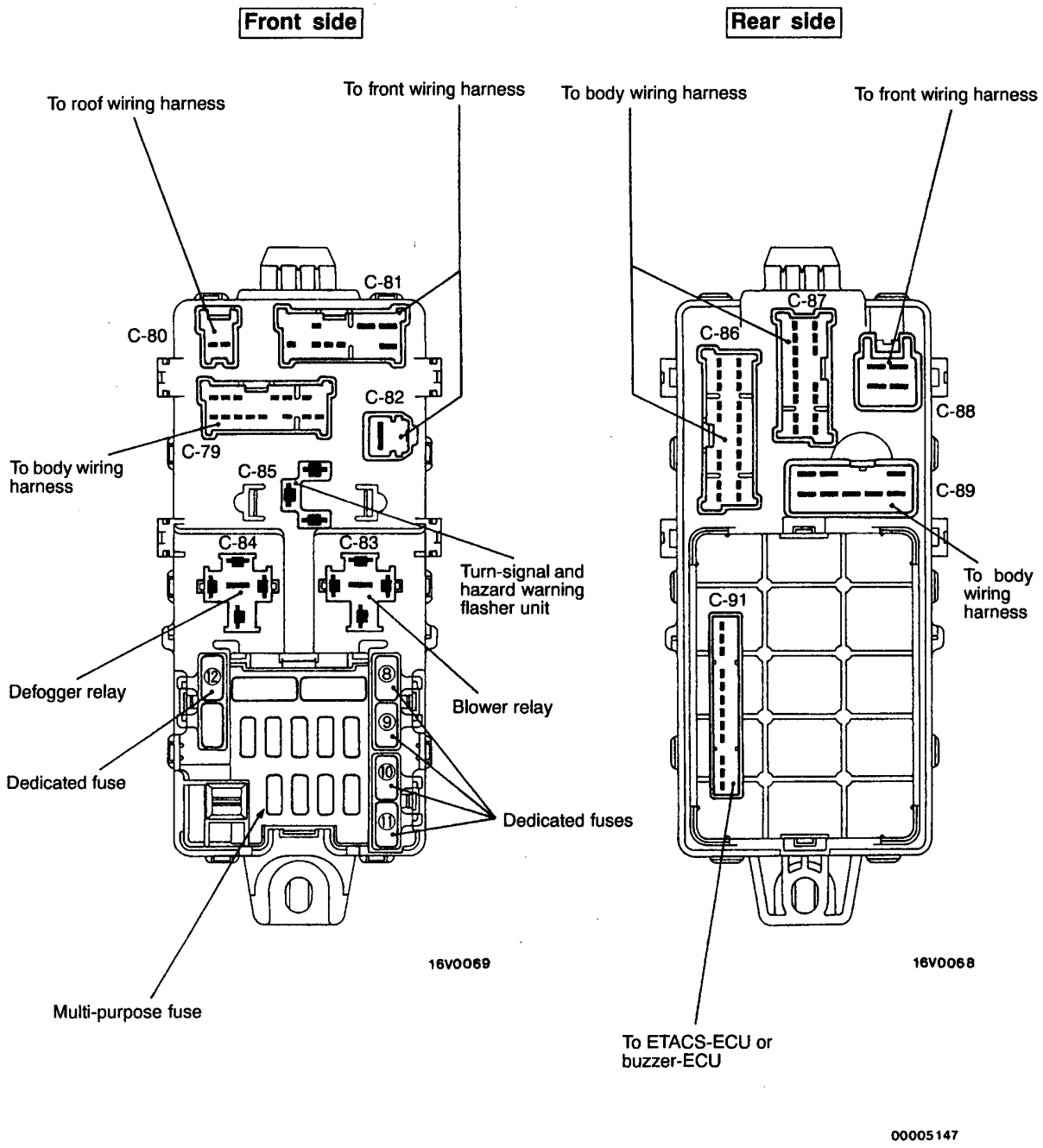
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Remark
Connector numbers are keyed to the configuration diagram and each circuit diagram.

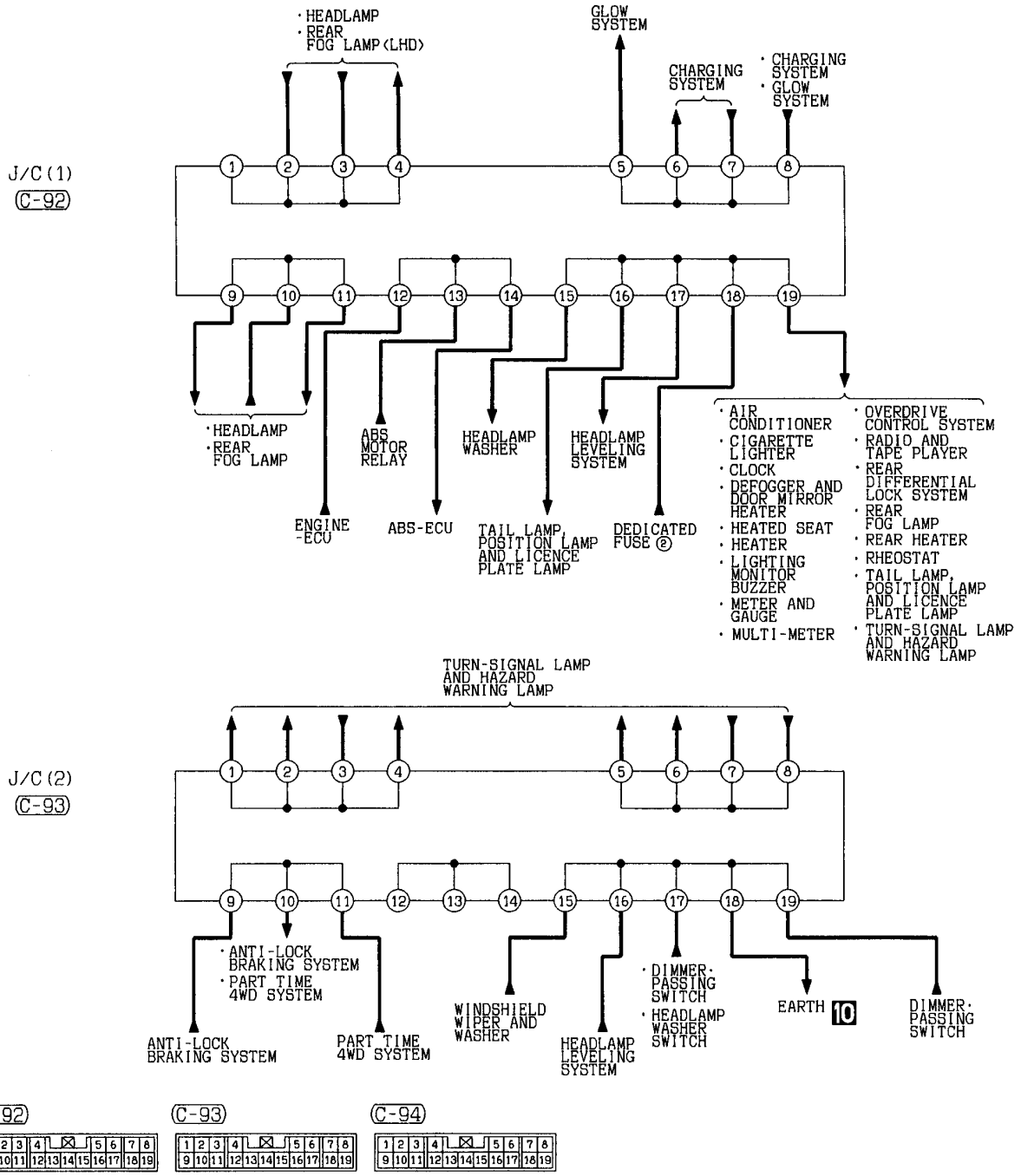


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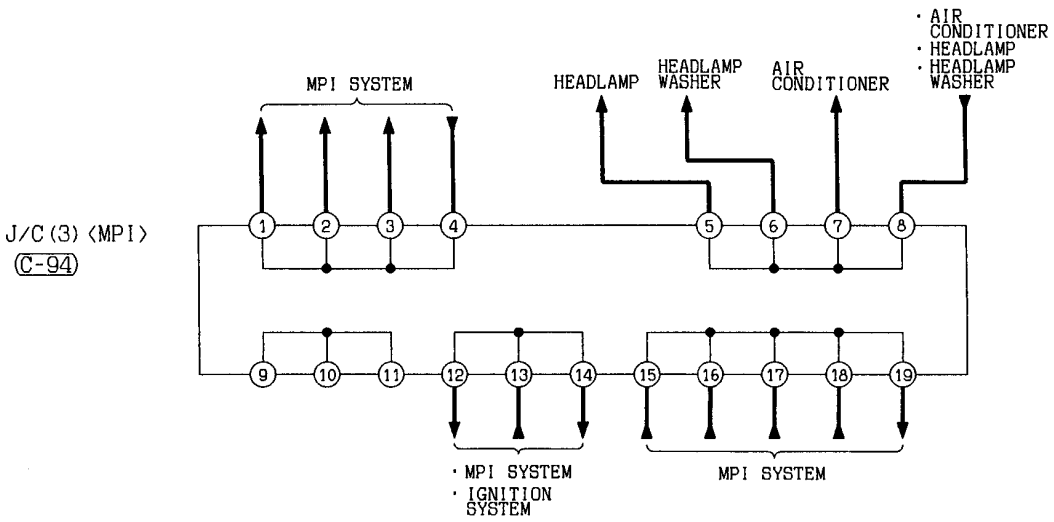

Front side
Rear side
To roof wiring harness
To front wiring harness
To body wiring harness
To front wiring harness
C-81
C-80
C-82
C-79
To body wiring harness
C-85
C-84
C-83
Turn-signal and hazard warning flasher unit
Defogger relay
Blower relay
Dedicated fuse
Dedicated fuses
Multi-purpose fuse
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C-88
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To body wiring harness
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00005147

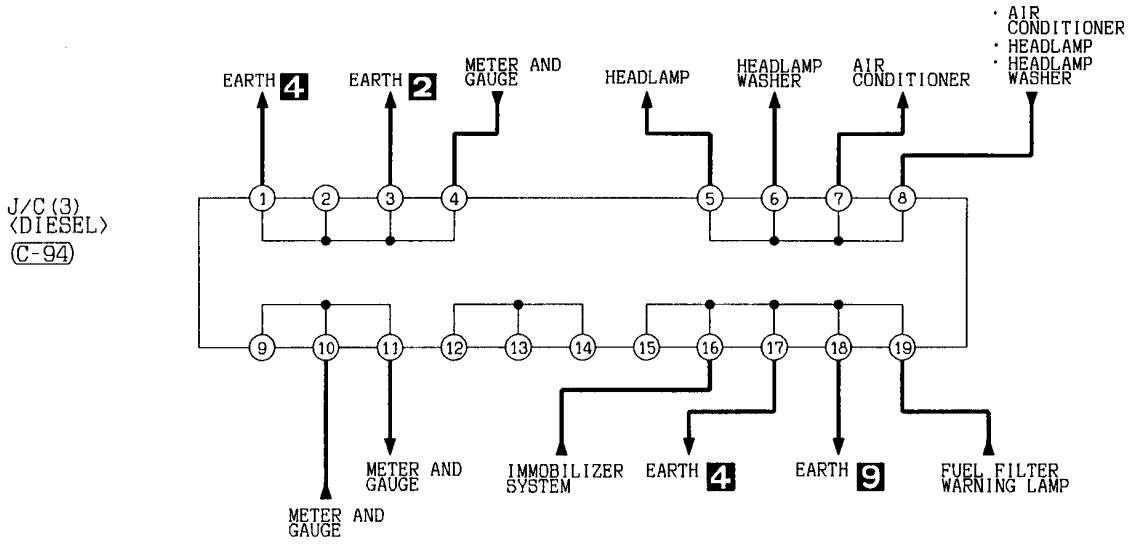
JOINT CONNECTOR (J/C)

90101420174



8P00E00AA

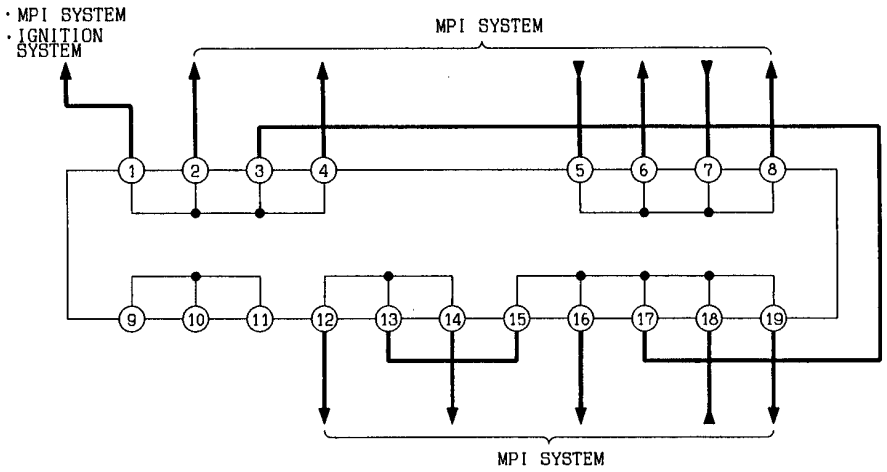

J/C (3) <MPI>
C-94
MPI SYSTEM
HEADLAMP
HEADLAMP WASHER
AIR CONDITIONER
· AIR CONDITIONER
· HEADLAMP
· HEADLAMP WASHER
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19
· MPI SYSTEM
· IGNITION SYSTEM
MPI SYSTEM


J/C (3)
<DIESEL>
C-94
EARTH 4
EARTH 2
METER AND GAUGE
HEADLAMP
HEADLAMP WASHER
AIR CONDITIONER
· AIR CONDITIONER
· HEADLAMP
· HEADLAMP WASHER
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19
METER AND GAUGE
METER AND GAUGE
IMMOBILIZER SYSTEM
EARTH 4
EARTH 9
FUEL FILTER WARNING LAMP

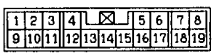
8P00E00AB

JOINT CONNECTOR (CONTINUED)

J/C (4)
〈MPI〉
(C-95)



(C-95)



8P00E00BA

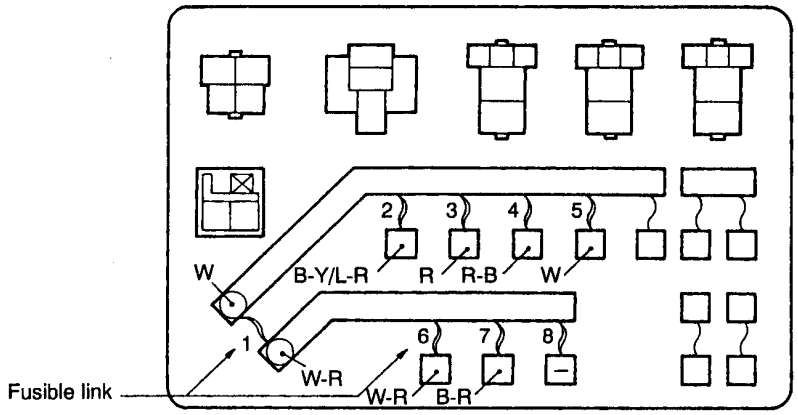
CENTRALIZED JUNCTION

90100030514

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

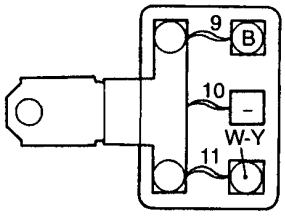
(Relay box in engine compartment)



B16S0162

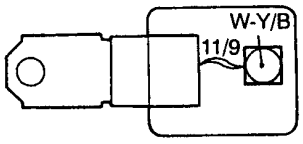
(Connected directly to battery positive terminal)

<Diesel-powered vehicles with ABS>



A16W0140

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

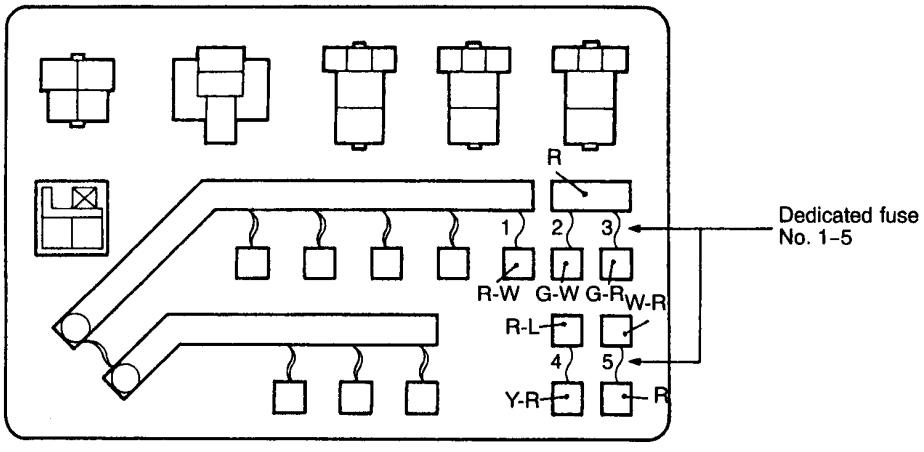


A16V0181

DEDICATED FUSE (Relay box in engine compartment)

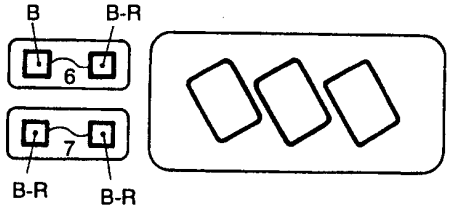
Power supply circuit	No.	Rated capacity (A)	Housing colour	Circuit
Battery/Alternator (Fusible link No. 1)	1	10	Red	Hazard warning lamp
Tail lamp relay (Fusible link No. 3)	2	10	Red	Tail lamp and illumination
	3	10	Red	Tail lamp
Headlamp relay (Fusible link No. 3)	4	10	Red	Rear fog lamp and high beam 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)



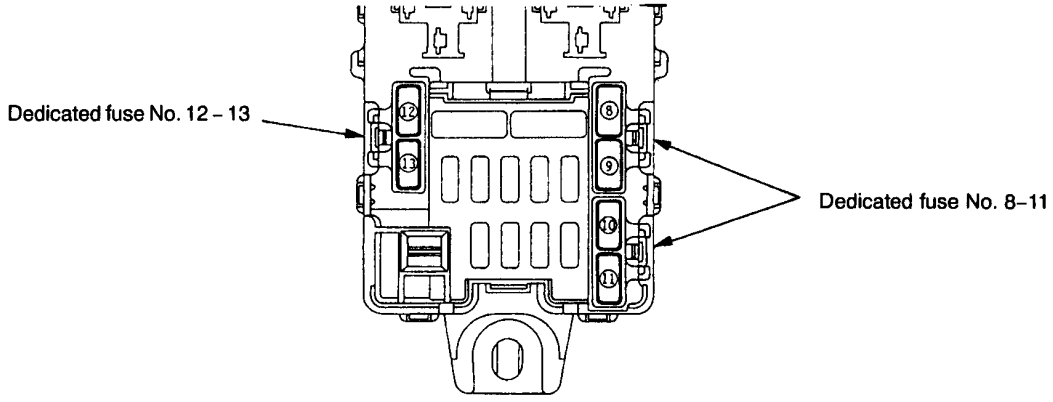
D16S0162

(A/C relay bracket in engine compartment)



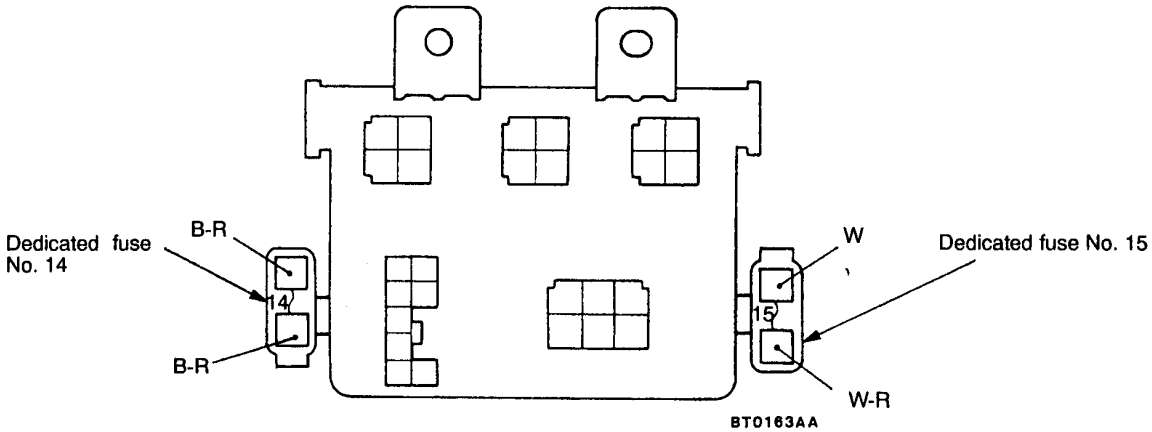
A16V0067

(In junction block)



BV0017AA

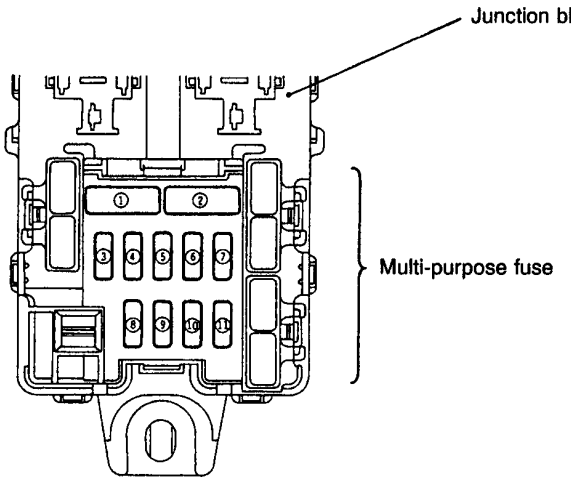
(Relay box in passenger compartment)



BT0163AA

MULTI-PURPOSE FUSE (In junction block)

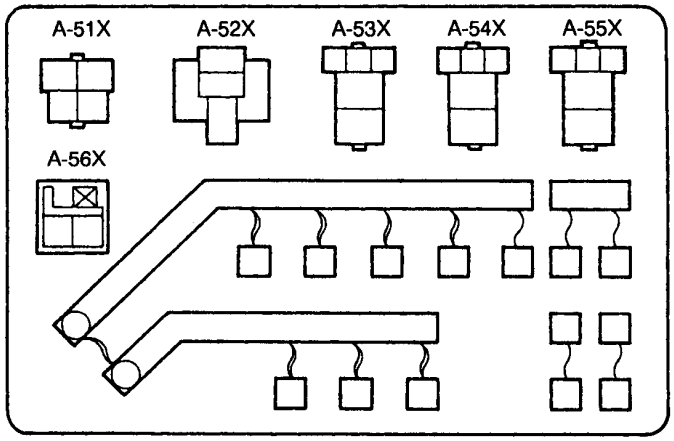
Power supply circuit		No.	Rated capacity (A)	Housing colour	Load circuit
Battery		1	20	Yellow	Defogger and door mirror heater
		2	20	Yellow	Blower motor
Ignition switch	IG1	3	10	Red	Turn signal and hazard warning flasher unit
	ACC	4	10	Red	ETACS-ECU, clock and radio
Battery		5	-	-	-
		6	15	Blue	ETACS-ECU
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



CENTRALIZED RELAY

(Relay box in engine compartment)

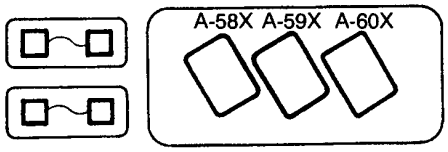
Connector No.	Name	Connector No.	Name
A-51X	Alternator relay	A-54X	Headlamp relay
A-52X	Starter relay	A-55X	Tail lamp relay
A-53X	Intercooler fan relay	A-56X	Storage connector



16S0162

(A/C relay bracket in engine compartment)

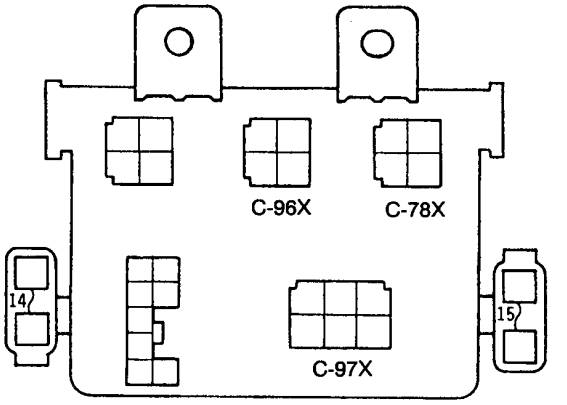
Connector No.	Name	Connector No.	Name
A-58X	A/C compressor relay	A-60X	Condenser fan control relay
A-59X	Condenser fan relay		



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		



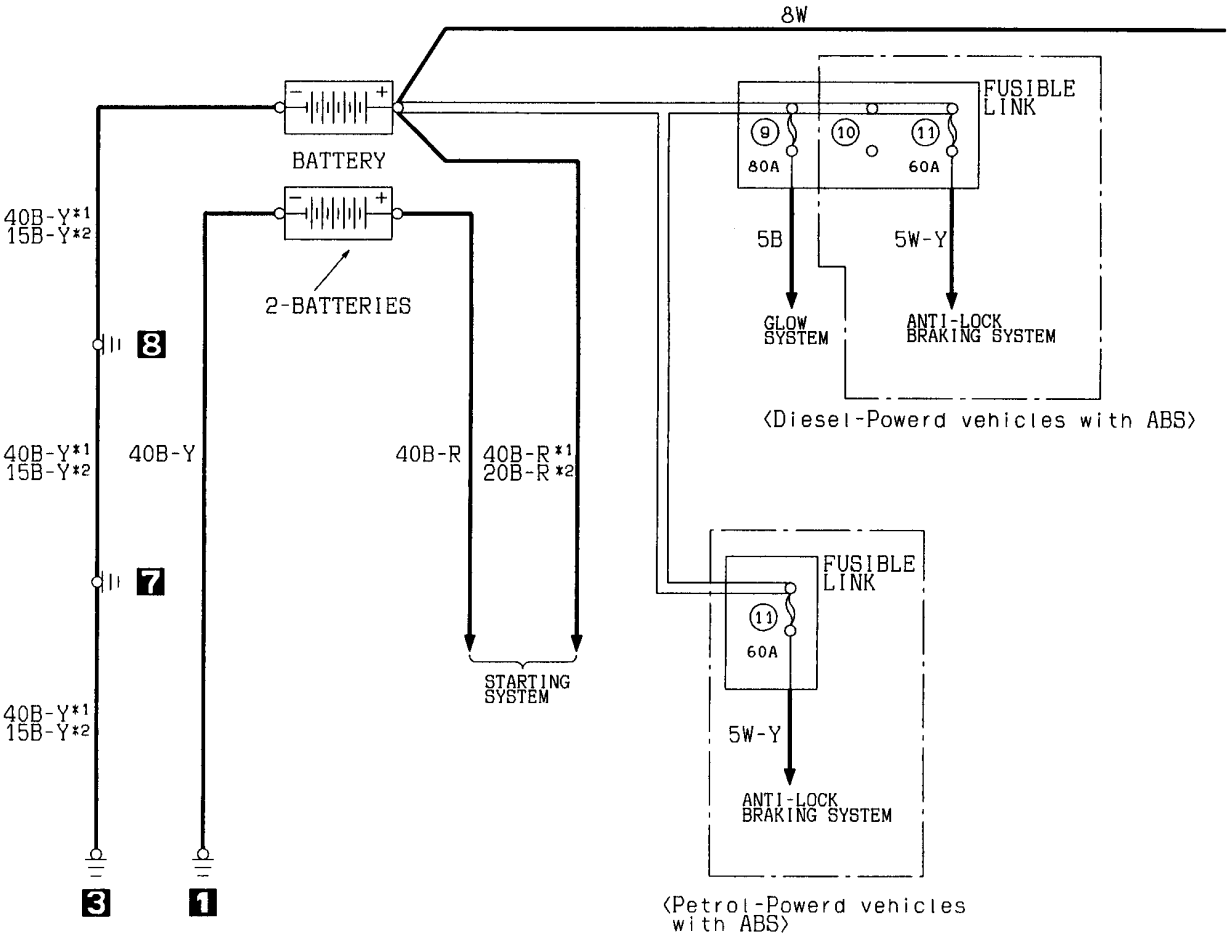
AT0163AA

NOTES

POWER DISTRIBUTION SYSTEM

90100040210

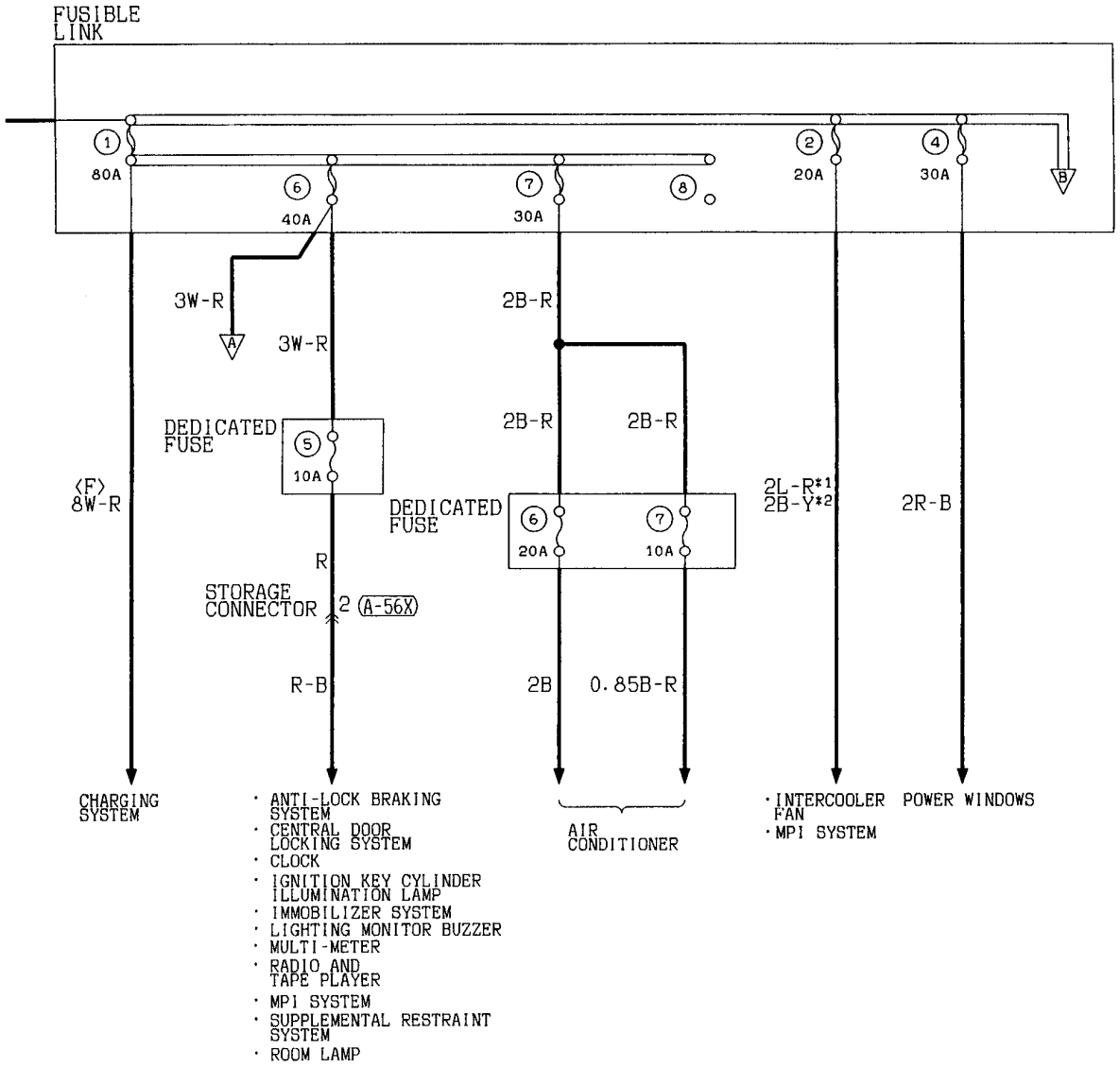
L.H. drive vehicles <1997 Models>



Remarks
*1:Diesel
*2:Petrol

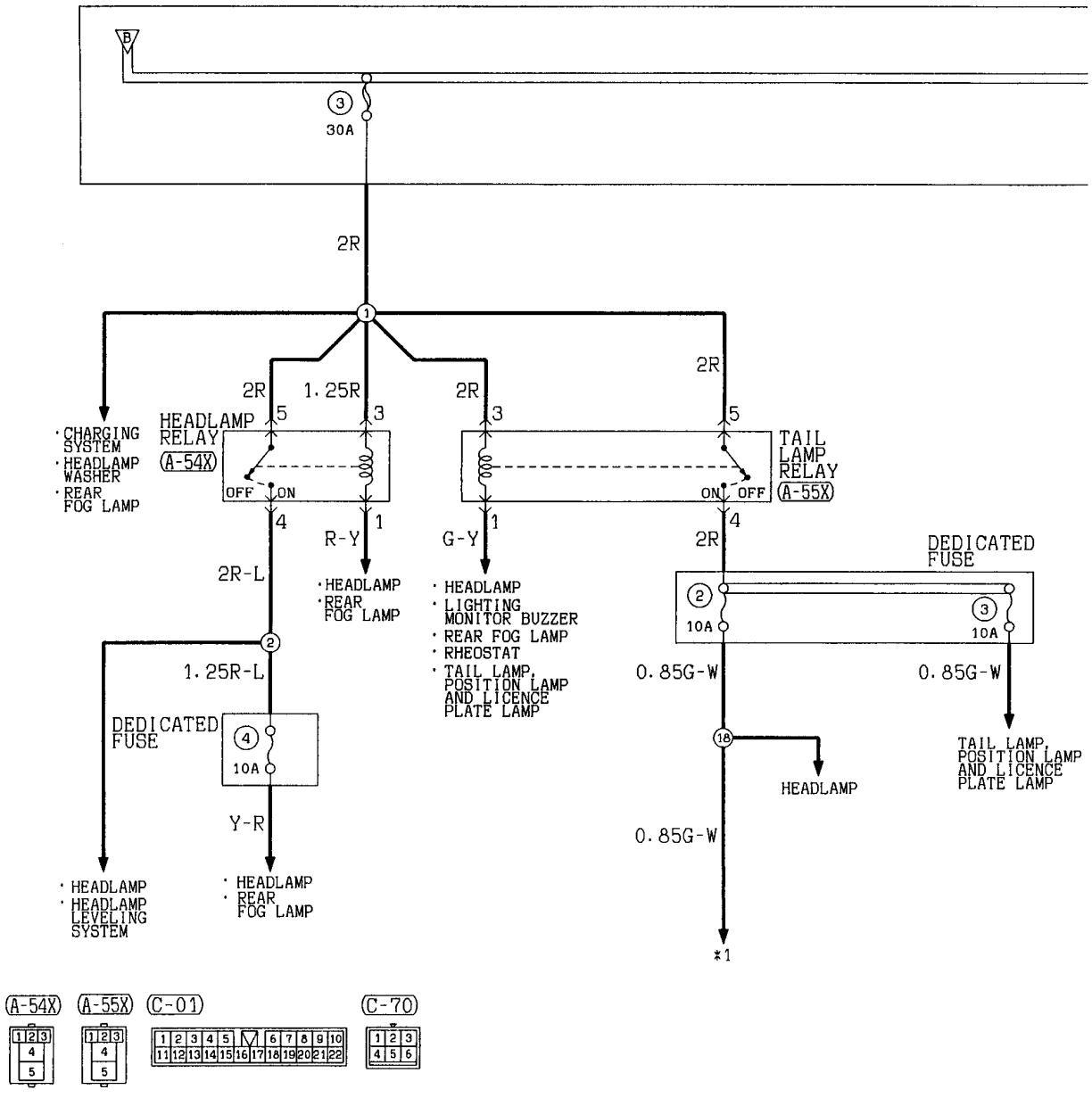
(A-56X)

HP01E00AA

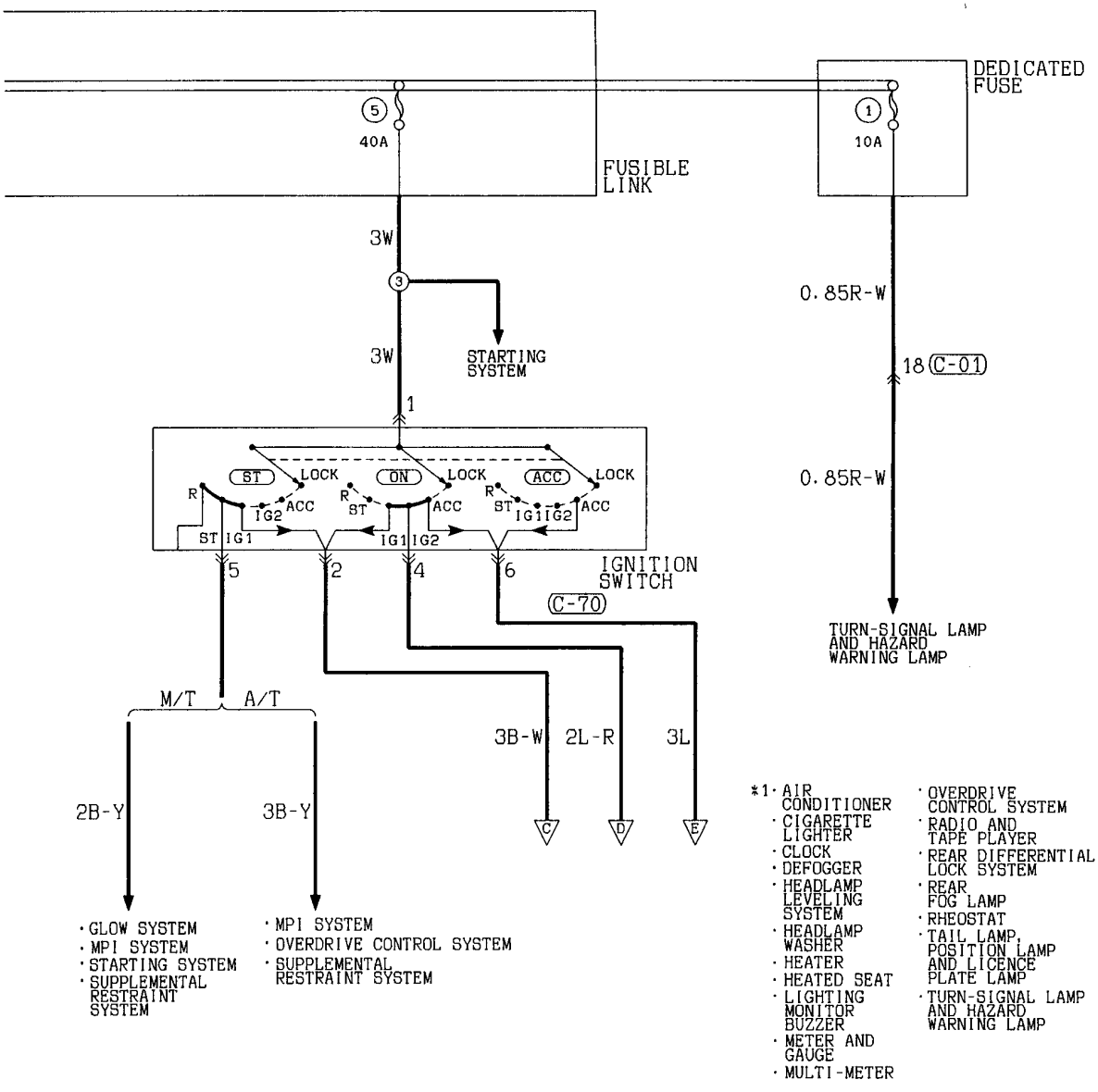

FUSIBLE LINK
1
80A
6
40A
7
30A
8
2
20A
4
30A
B
3W-R
A
3W-R
2B-R
2B-R
2B-R
DEDICATED FUSE
5
10A
DEDICATED FUSE
6
20A
7
10A
<F>
8W-R
2L-R*1
2B-Y*2
2R-B
R
STORAGE CONNECTOR
2
A-56X
R-B
2B
0.85B-R
CHARGING SYSTEM
· ANTI-LOCK BRAKING SYSTEM
· CENTRAL DOOR LOCKING SYSTEM
· CLOCK
· IGNITION KEY CYLINDER ILLUMINATION LAMP
· IMMOBILIZER SYSTEM
· LIGHTING MONITOR BUZZER
· MULTI-METER
· RADIO AND TAPE PLAYER
· MPI SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· ROOM LAMP
AIR CONDITIONER
· INTERCOOLER FAN
· MPI SYSTEM
POWER WINDOWS

HP01E00AB

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

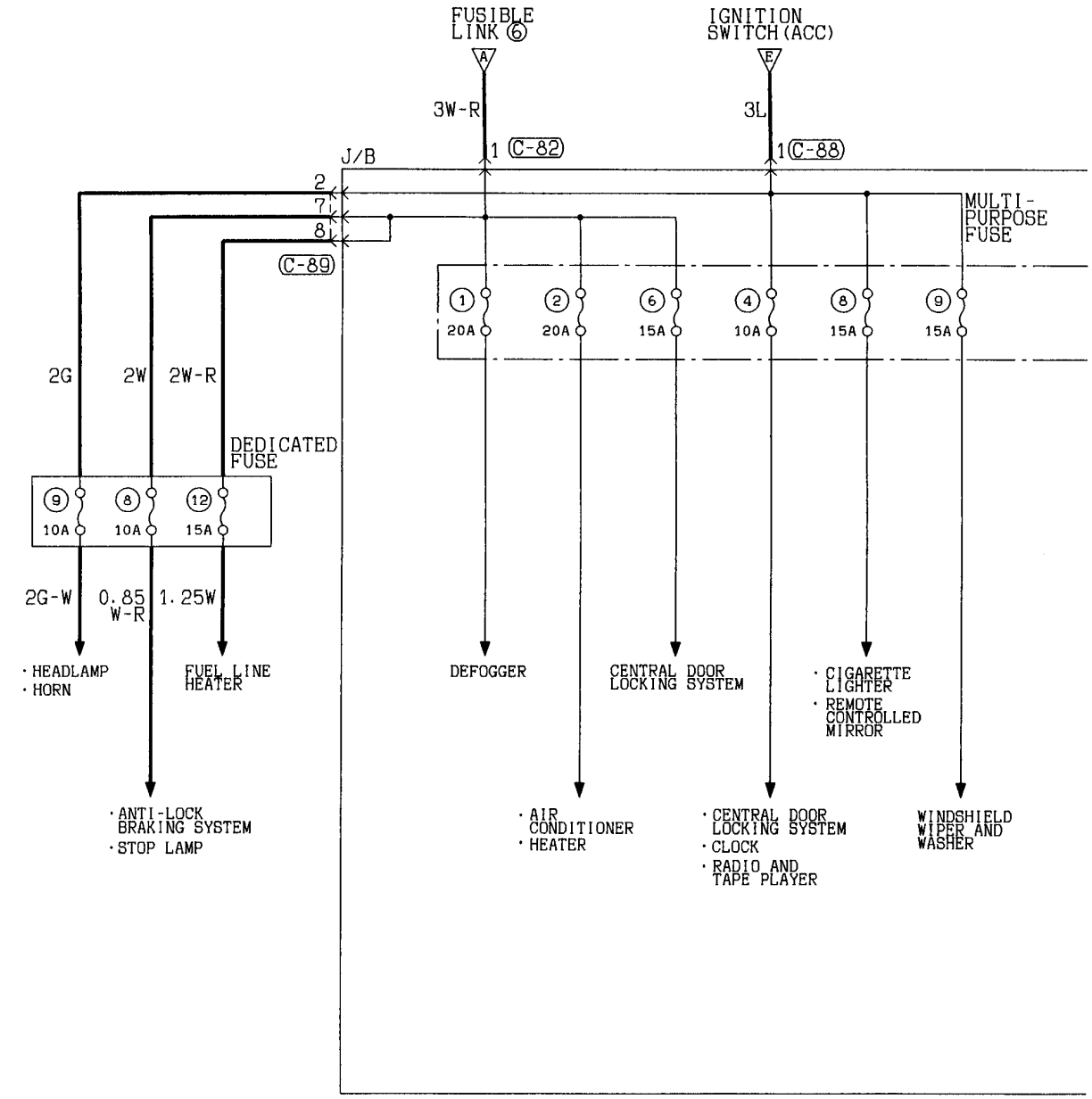


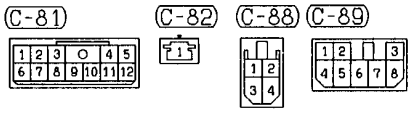
HP01E00BA


DEDICATED FUSE
5
40A
1
10A
FUSIBLE LINK
3W
3
3W
STARTING SYSTEM
1
0.85R-W
18 C-01
0.85R-W
ST
LOCK
ON
LOCK
ACC
LOCK
R
IG2
ACC
R
ST
ACC
R
ST
IG1
IG2
ACC
ST
IG1
IG1
IG2
5
2
4
6
IGNITION SWITCH
C-70
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
M/T
A/T
3B-W
2L-R
3L
2B-Y
3B-Y
C
D
E
· GLOW SYSTEM
· MPI SYSTEM
· STARTING SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· MPI SYSTEM
· OVERDRIVE CONTROL SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
*1· AIR CONDITIONER
· CIGARETTE LIGHTER
· CLOCK
· DEFOGGER
· HEADLAMP LEVELING SYSTEM
· HEADLAMP WASHER
· HEATER
· HEATED SEAT
· LIGHTING MONITOR BUZZER
· METER AND GAUGE
· MULTI-METER
· OVERDRIVE CONTROL SYSTEM
· RADIO AND TAPE PLAYER
· REAR DIFFERENTIAL LOCK SYSTEM
· REAR FOG LAMP
· RHEOSTAT
· TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
· TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

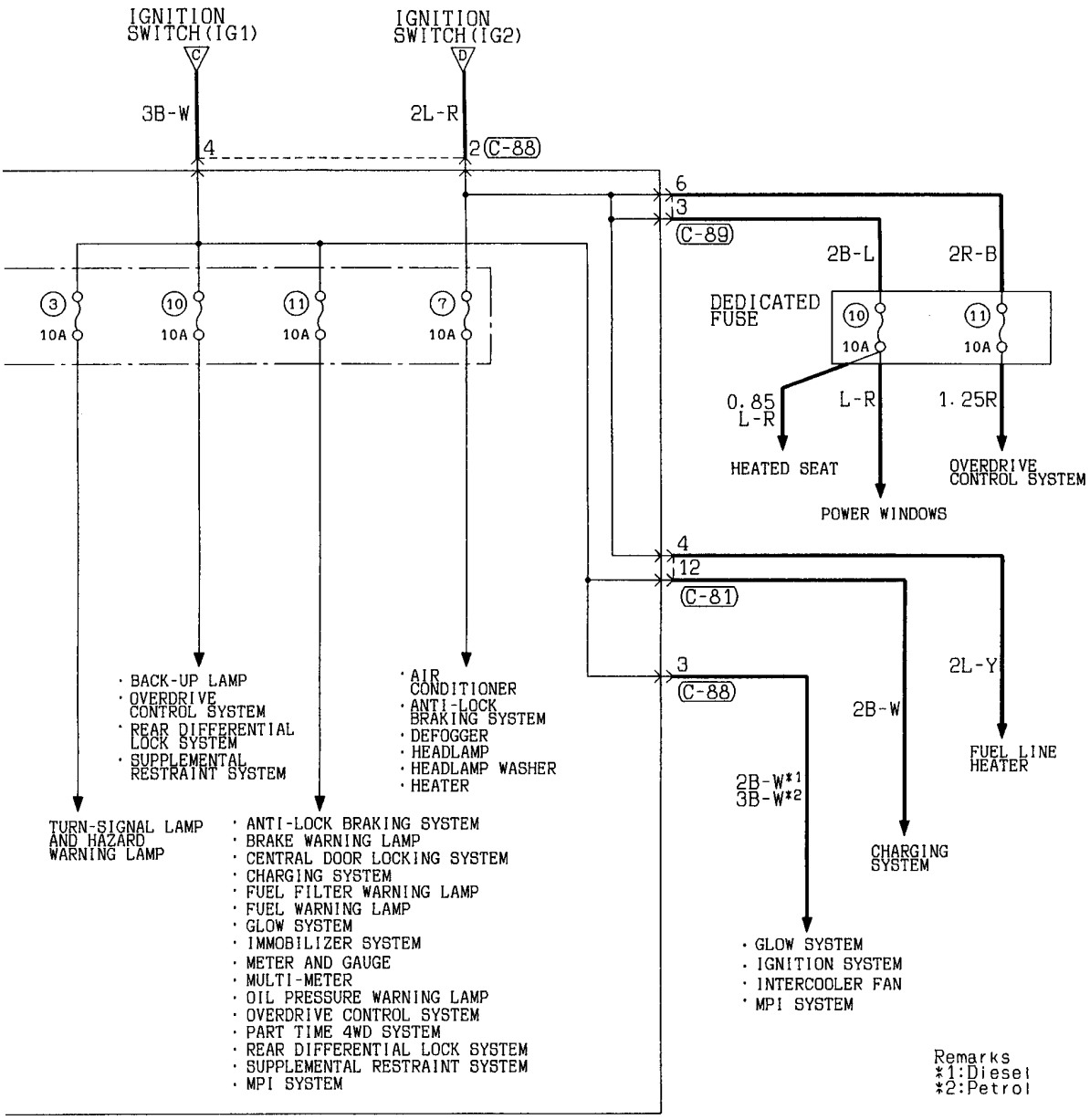
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POWER DISTRIBUTION SYSTEM <L.H. drive vehicles (1997 Models)> (CONTINUED)





HP01E00CA

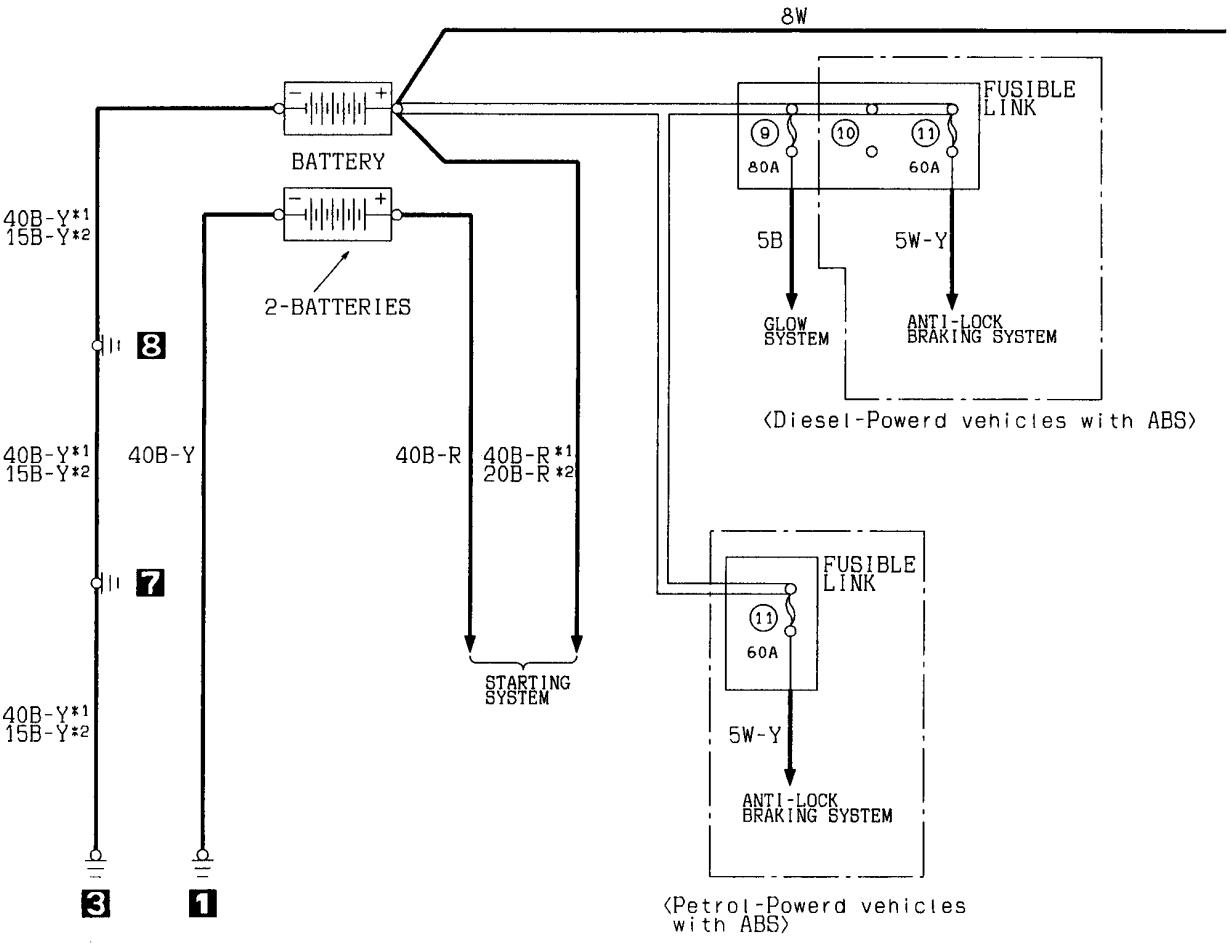

IGNITION SWITCH(IG1)
IGNITION SWITCH(IG2)
C
D
3B-W
2L-R
4
2 (C-88)
6
3
(C-89)
2B-L
2R-B
DEDICATED FUSE
3
10
11
7
10A
0.85 L-R
L-R
1.25R
HEATED SEAT
POWER WINDOWS
OVERDRIVE CONTROL SYSTEM
4
12
(C-81)
3
(C-88)
2L-Y
2B-W
2B-W*1
3B-W*2
FUEL LINE HEATER
CHARGING SYSTEM
· BACK-UP LAMP
· OVERDRIVE CONTROL SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· AIR CONDITIONER
· ANTI-LOCK BRAKING SYSTEM
· DEFOGGER
· HEADLAMP
· HEADLAMP WASHER
· HEATER
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
· ANTI-LOCK BRAKING SYSTEM
· BRAKE WARNING LAMP
· CENTRAL DOOR LOCKING SYSTEM
· CHARGING SYSTEM
· FUEL FILTER WARNING LAMP
· FUEL WARNING LAMP
· GLOW SYSTEM
· IMMOBILIZER SYSTEM
· METER AND GAUGE
· MULTI-METER
· OIL PRESSURE WARNING LAMP
· OVERDRIVE CONTROL SYSTEM
· PART TIME 4WD SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· MPI SYSTEM
· GLOW SYSTEM
· IGNITION SYSTEM
· INTERCOOLER FAN
· MPI SYSTEM
Remarks
*1:Diesel
*2:Petrol

HP01E00CB

POWER DISTRIBUTION SYSTEM

90100040630

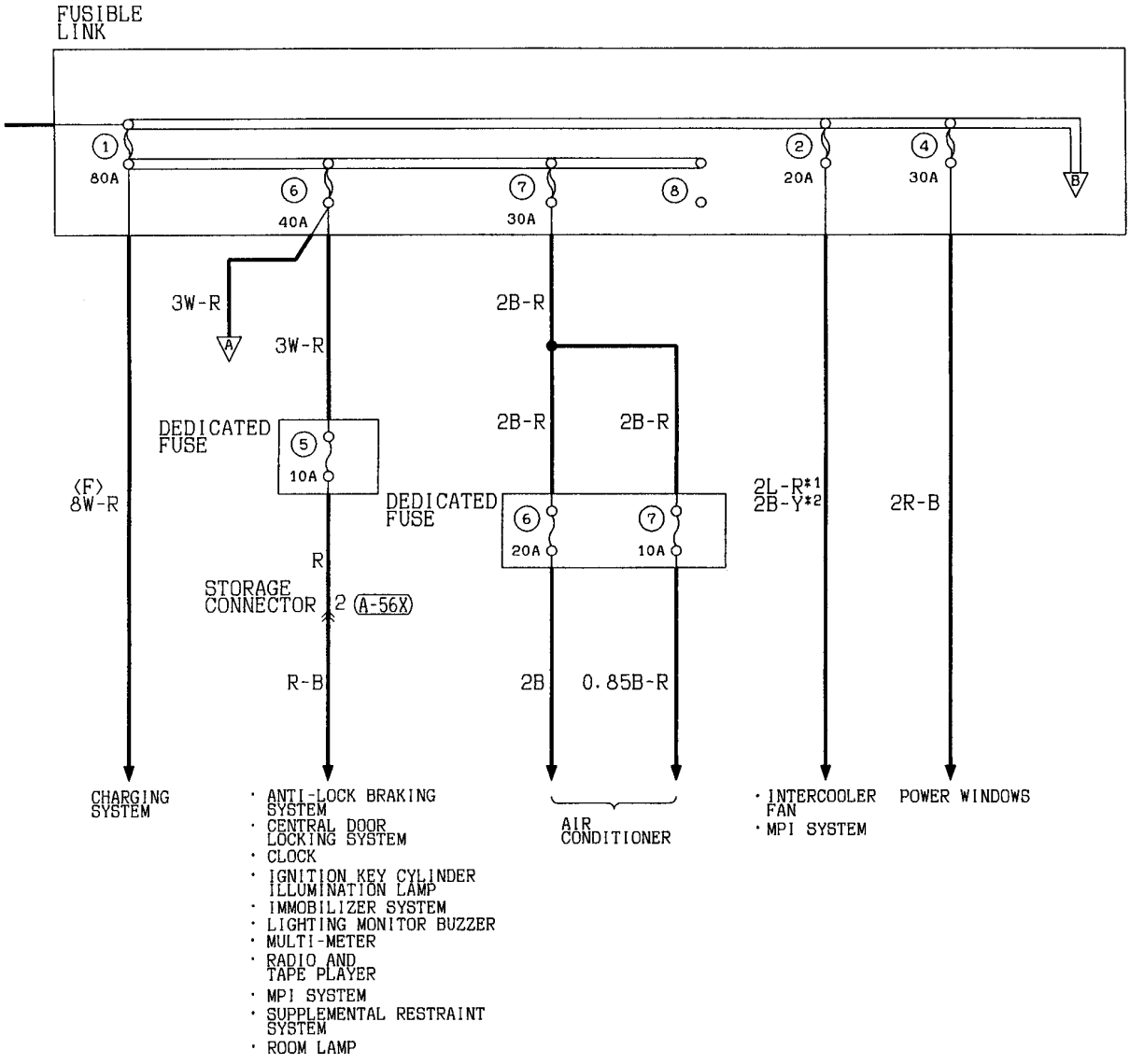
L.H. drive vehicles <1998 Models>



Remarks
*1:Diesel
*2:Petrol

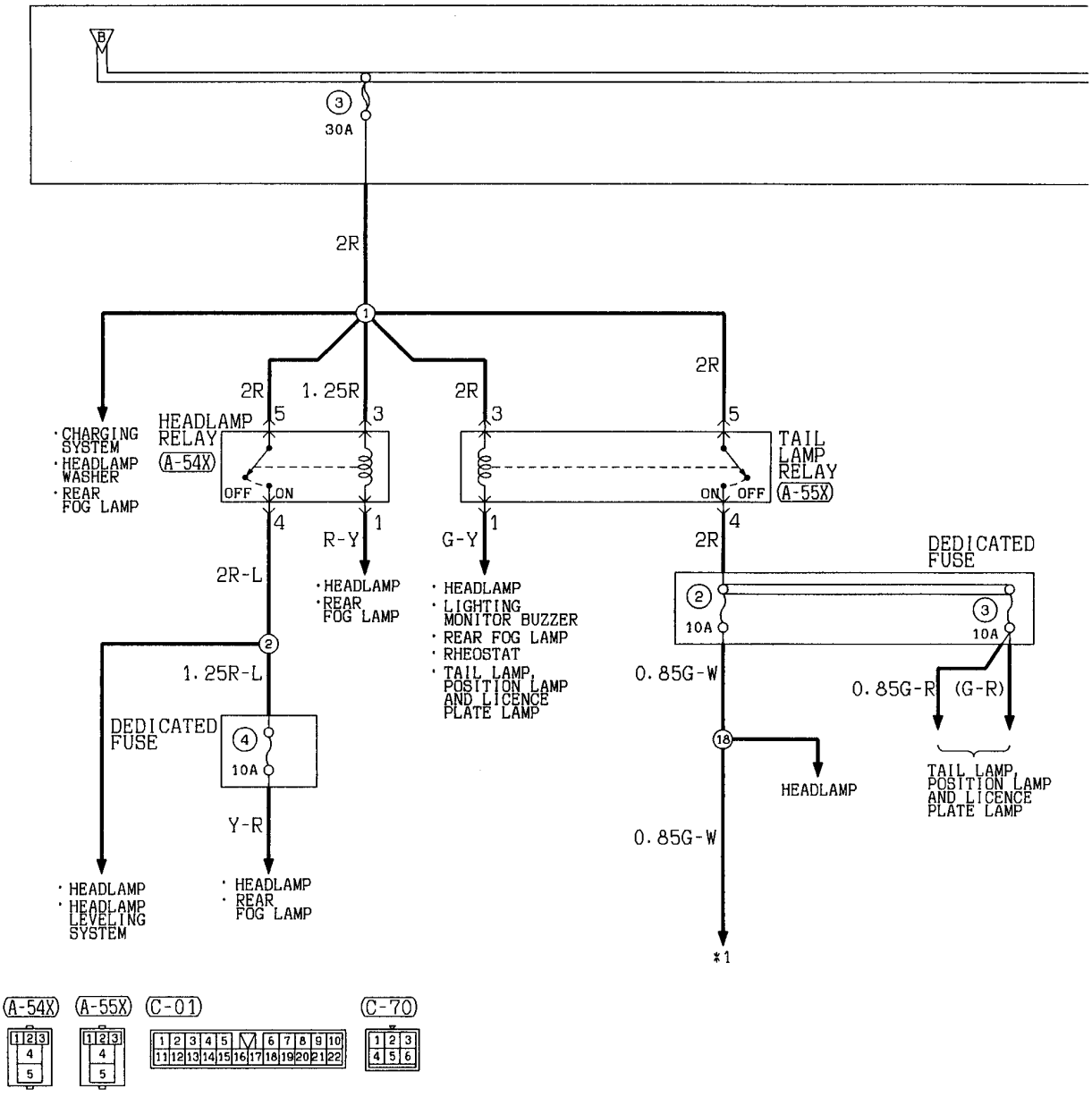
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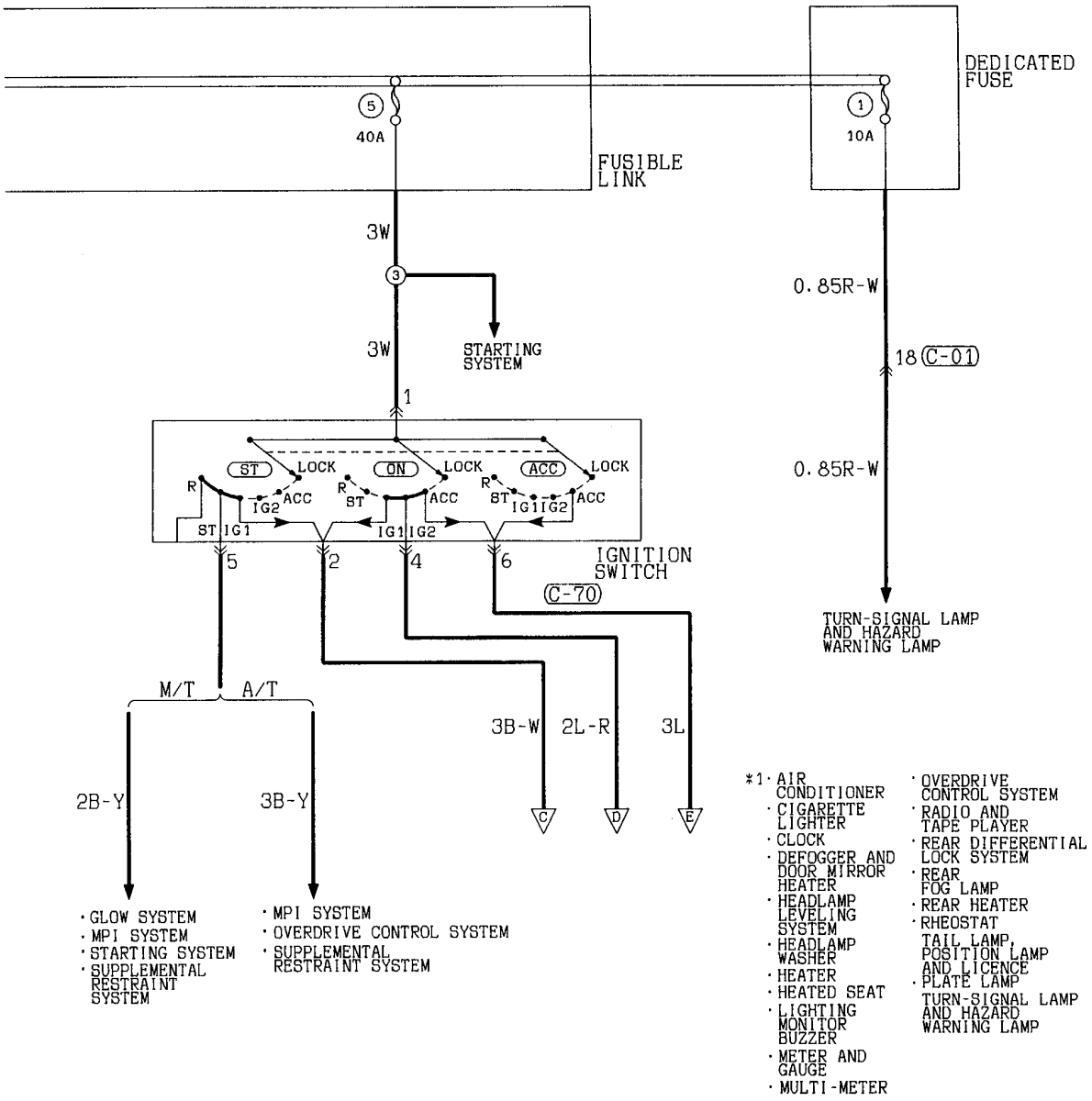

FUSIBLE LINK
1
80A
6
40A
7
30A
8
2
20A
4
30A
B
3W-R
A
3W-R
2B-R
2B-R
2B-R
DEDICATED FUSE
5
10A
DEDICATED FUSE
6
20A
7
10A
(F) 8W-R
R
STORAGE CONNECTOR 2 (A-56X)
R-B
2B
0.85B-R
2L-R*1
2B-Y*2
2R-B
CHARGING SYSTEM
· ANTI-LOCK BRAKING SYSTEM
· CENTRAL DOOR LOCKING SYSTEM
· CLOCK
· IGNITION KEY CYLINDER ILLUMINATION LAMP
· IMMOBILIZER SYSTEM
· LIGHTING MONITOR BUZZER
· MULTI-METER
· RADIO AND TAPE PLAYER
· MPI SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· ROOM LAMP
AIR CONDITIONER
· INTERCOOLER FAN
· MPI SYSTEM
POWER WINDOWS

8P01E00AB

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

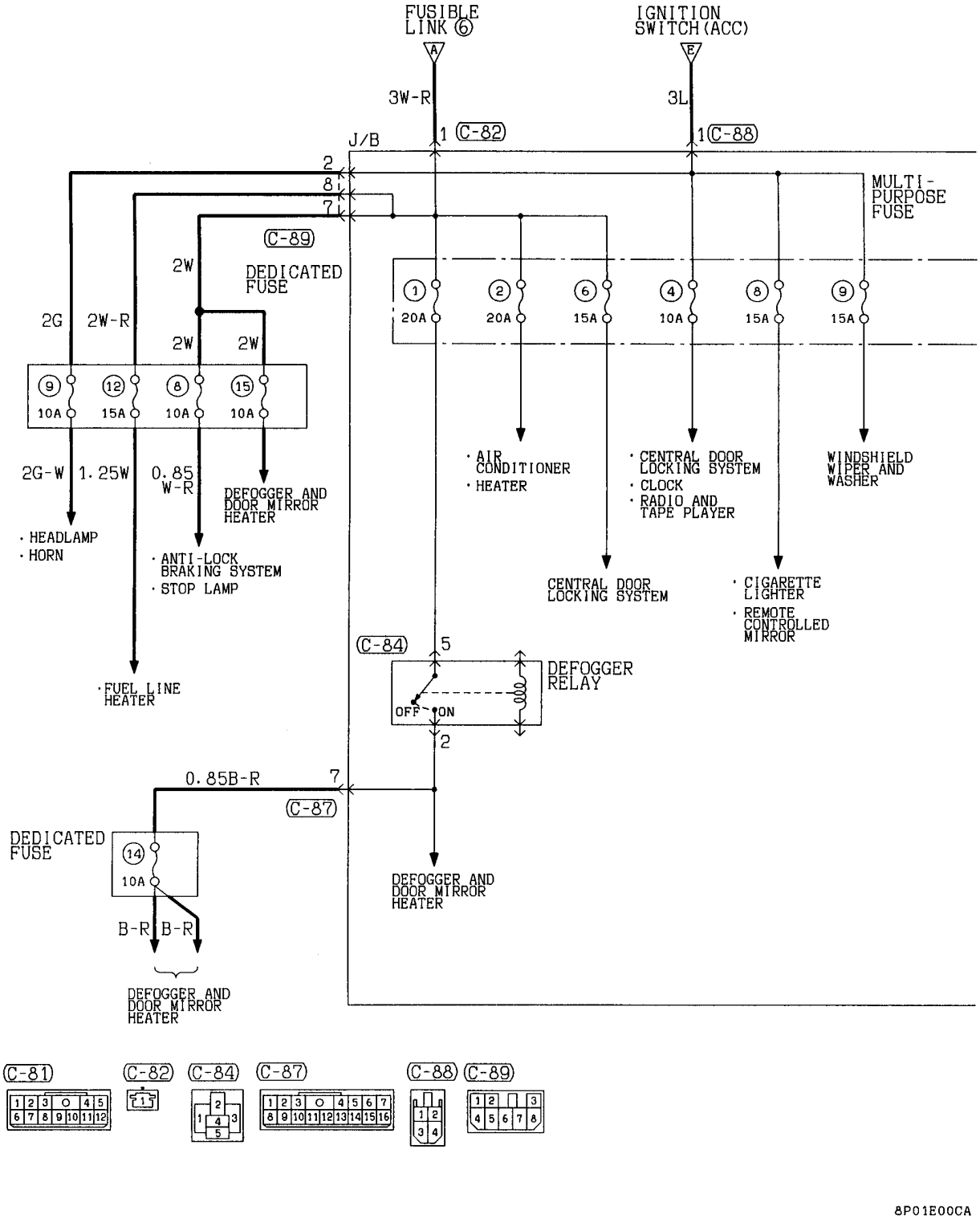


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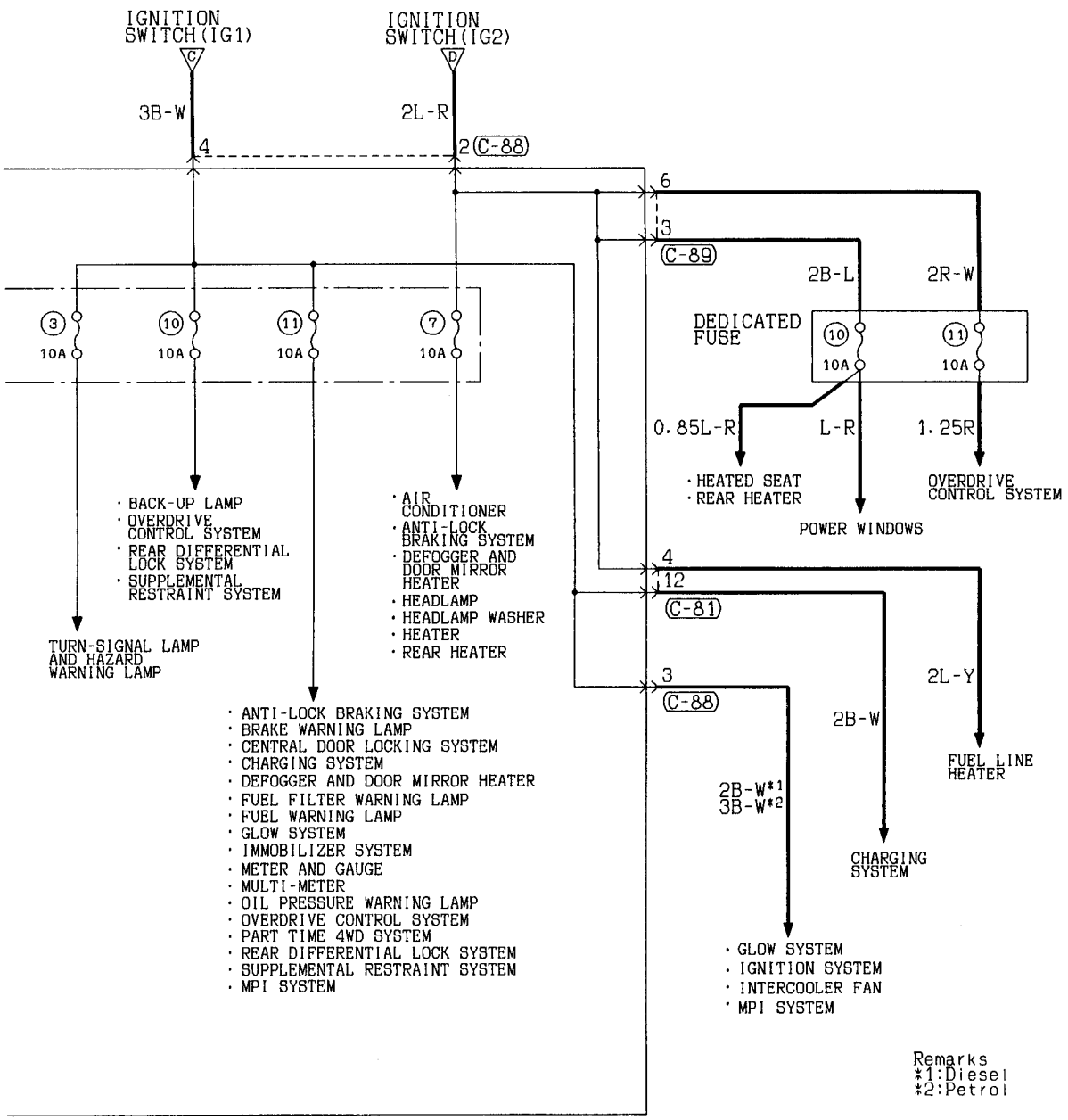

DEDICATED FUSE
5
40A
1
10A
FUSIBLE LINK
3W
3
3W
STARTING SYSTEM
1
0.85R-W
18 C-01
0.85R-W
ST
LOCK
ON
LOCK
ACC
LOCK
R
IG2
ACC
R
ST
ACC
R
ST
IG1
IG2
ACC
ST
IG1
IG1
IG2
5
2
4
6
IGNITION SWITCH
C-70
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
M/T
A/T
3B-W
2L-R
3L
2B-Y
3B-Y
C
D
E
· GLOW SYSTEM
· MPI SYSTEM
· STARTING SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· MPI SYSTEM
· OVERDRIVE CONTROL SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
*1· AIR CONDITIONER
· CIGARETTE LIGHTER
· CLOCK
· DEFOGGER AND DOOR MIRROR HEATER
· HEADLAMP LEVELING SYSTEM
· HEADLAMP WASHER
· HEATER
· HEATED SEAT
· LIGHTING MONITOR BUZZER
· METER AND GAUGE
· MULTI-METER
· OVERDRIVE CONTROL SYSTEM
· RADIO AND TAPE PLAYER
· REAR DIFFERENTIAL LOCK SYSTEM
· REAR FOG LAMP
· REAR HEATER
· RHEOSTAT
· TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
· TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

8P01E00BB

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



8P01E00CA

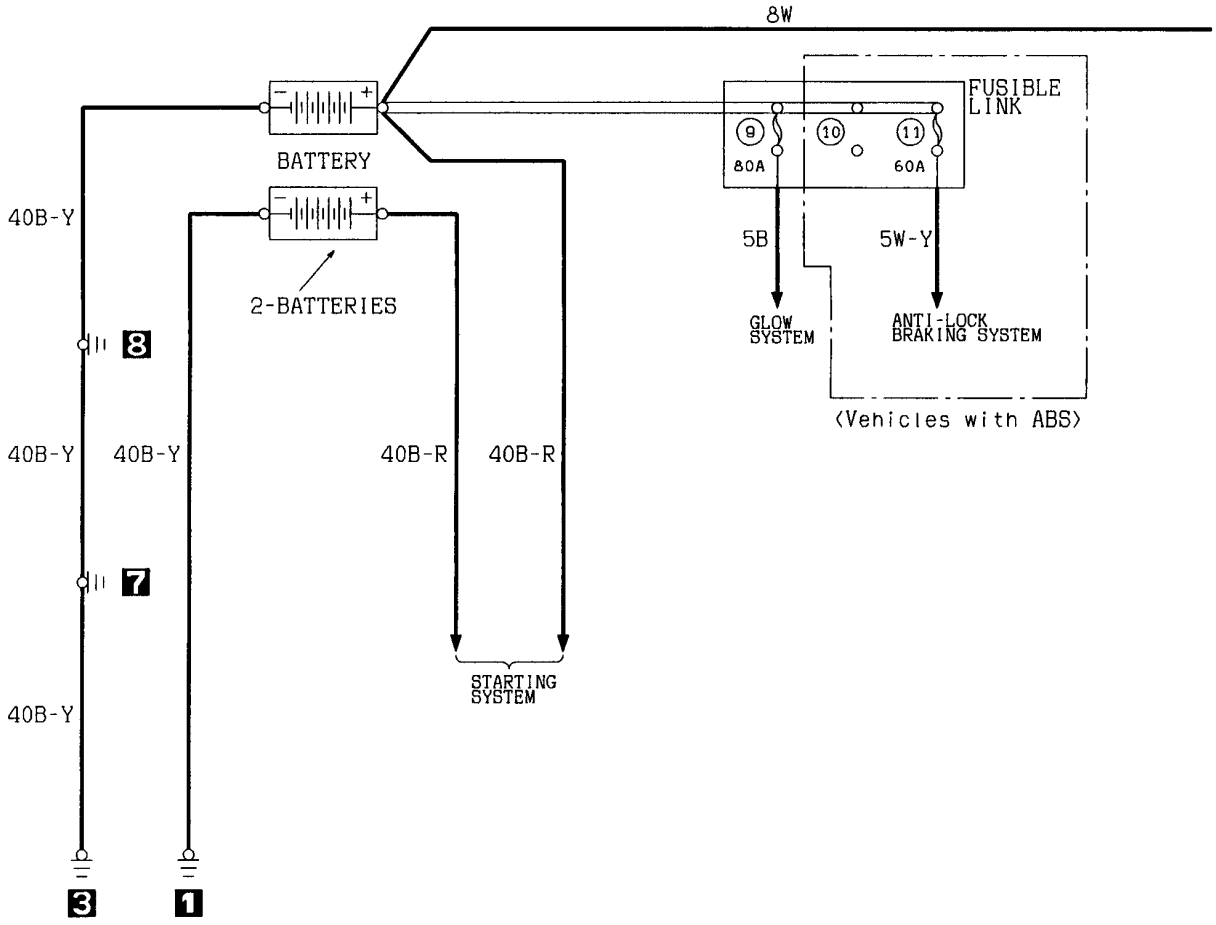

IGNITION SWITCH(IG1)
IGNITION SWITCH(IG2)
C
D
3B-W
2L-R
4
2 C-88
6
3
C-89
2B-L
2R-W
DEDICATED FUSE
3
10
11
7
10A
10A
10A
10A
10A
10A
0.85L-R
L-R
1.25R
· HEATED SEAT
· REAR HEATER
POWER WINDOWS
OVERDRIVE CONTROL SYSTEM
· BACK-UP LAMP
· OVERDRIVE CONTROL SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· AIR CONDITIONER
· ANTI-LOCK BRAKING SYSTEM
· DEFOGGER AND DOOR MIRROR HEATER
· HEADLAMP
· HEADLAMP WASHER
· HEATER
· REAR HEATER
4
12
C-81
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
3
C-88
2L-Y
2B-W
FUEL LINE HEATER
2B-W*1
3B-W*2
CHARGING SYSTEM
· ANTI-LOCK BRAKING SYSTEM
· BRAKE WARNING LAMP
· CENTRAL DOOR LOCKING SYSTEM
· CHARGING SYSTEM
· DEFOGGER AND DOOR MIRROR HEATER
· FUEL FILTER WARNING LAMP
· FUEL WARNING LAMP
· GLOW SYSTEM
· IMMOBILIZER SYSTEM
· METER AND GAUGE
· MULTI-METER
· OIL PRESSURE WARNING LAMP
· OVERDRIVE CONTROL SYSTEM
· PART TIME 4WD SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· MPI SYSTEM
· GLOW SYSTEM
· IGNITION SYSTEM
· INTERCOOLER FAN
· MPI SYSTEM
Remarks
*1:Diesel
*2:Petrol

8P01E00CB

POWER DISTRIBUTION SYSTEM

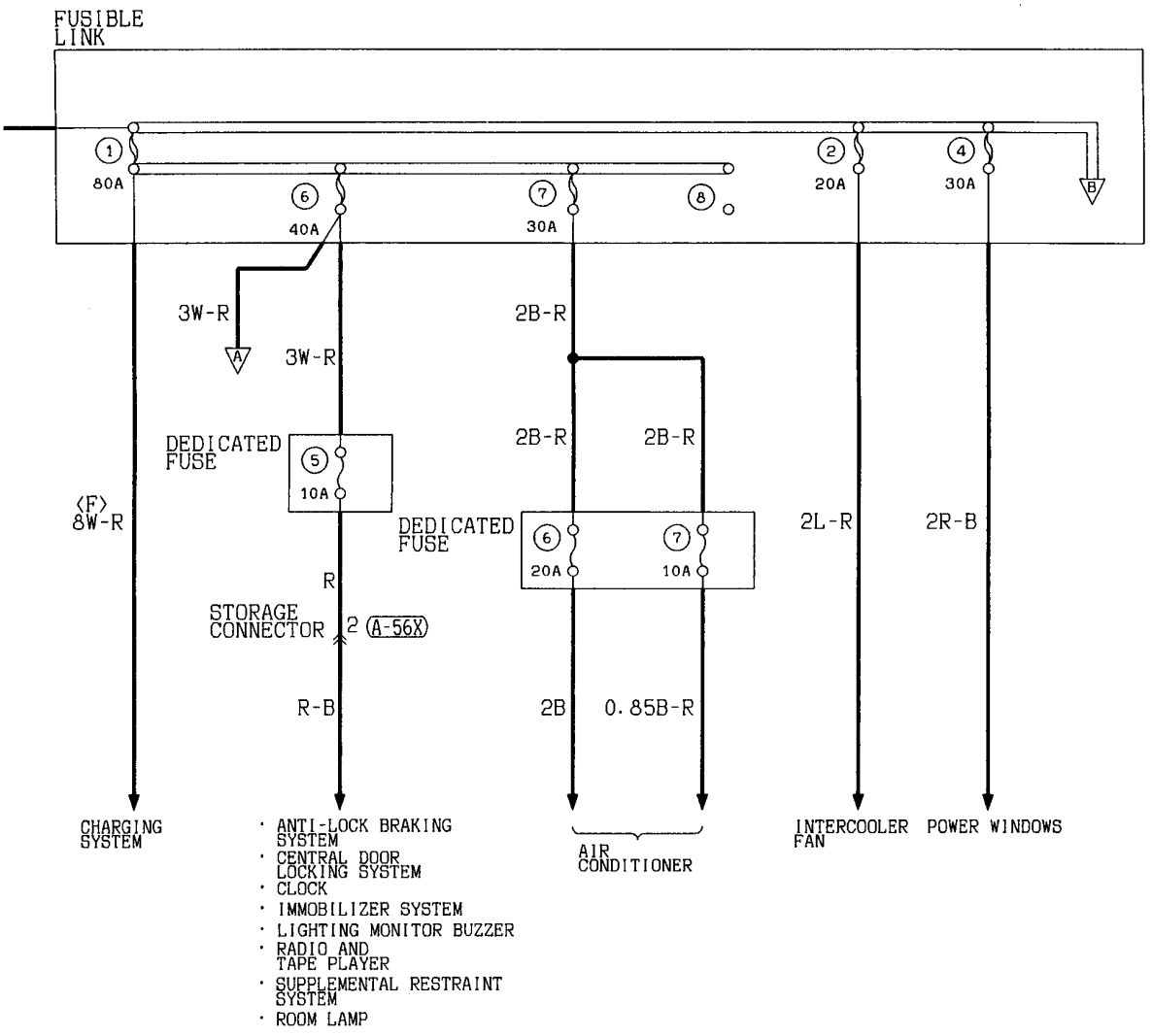
90100040227

R.H. drive vehicles <1997 Models>



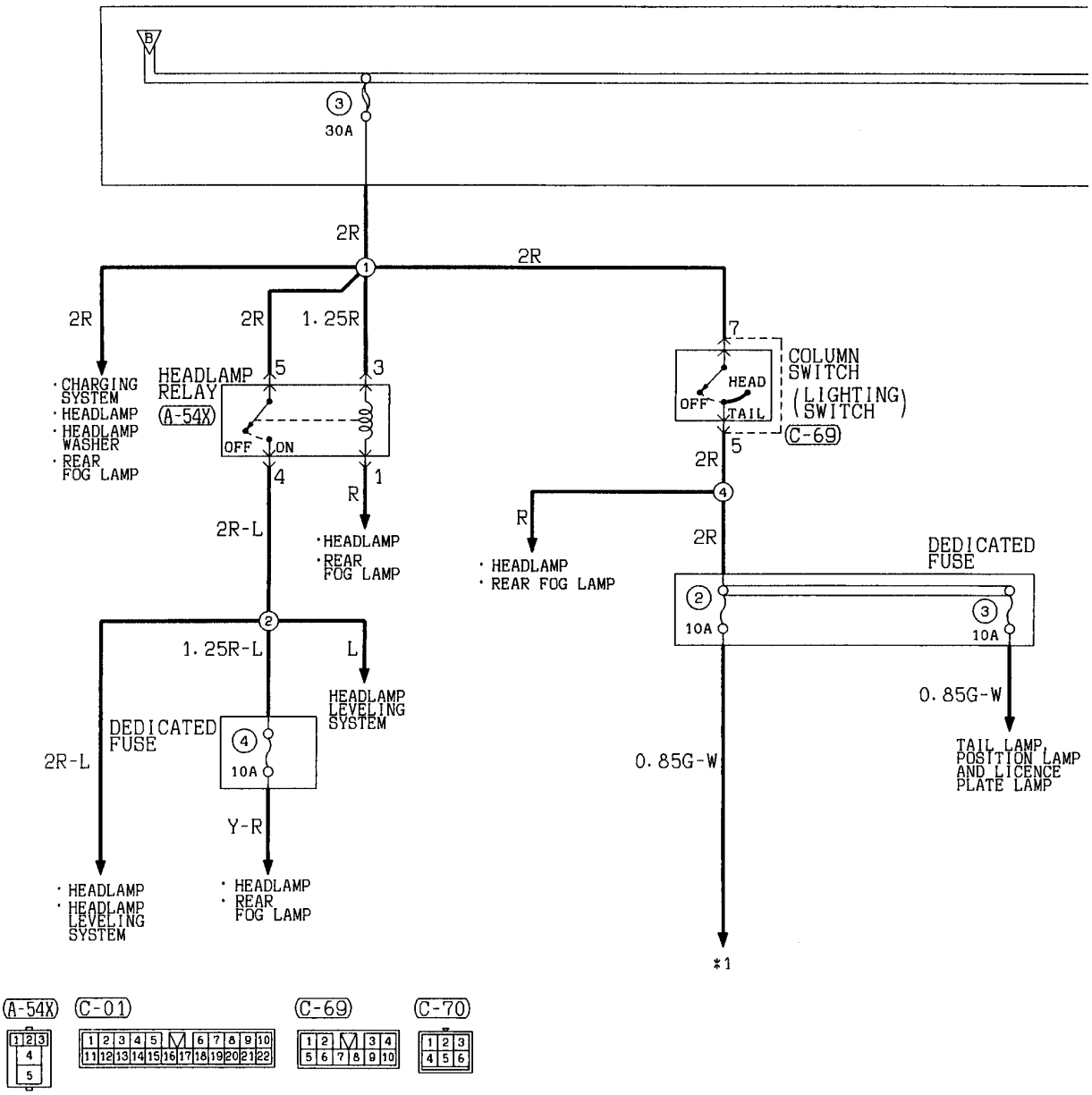
(A-56X)

HP01E01AA

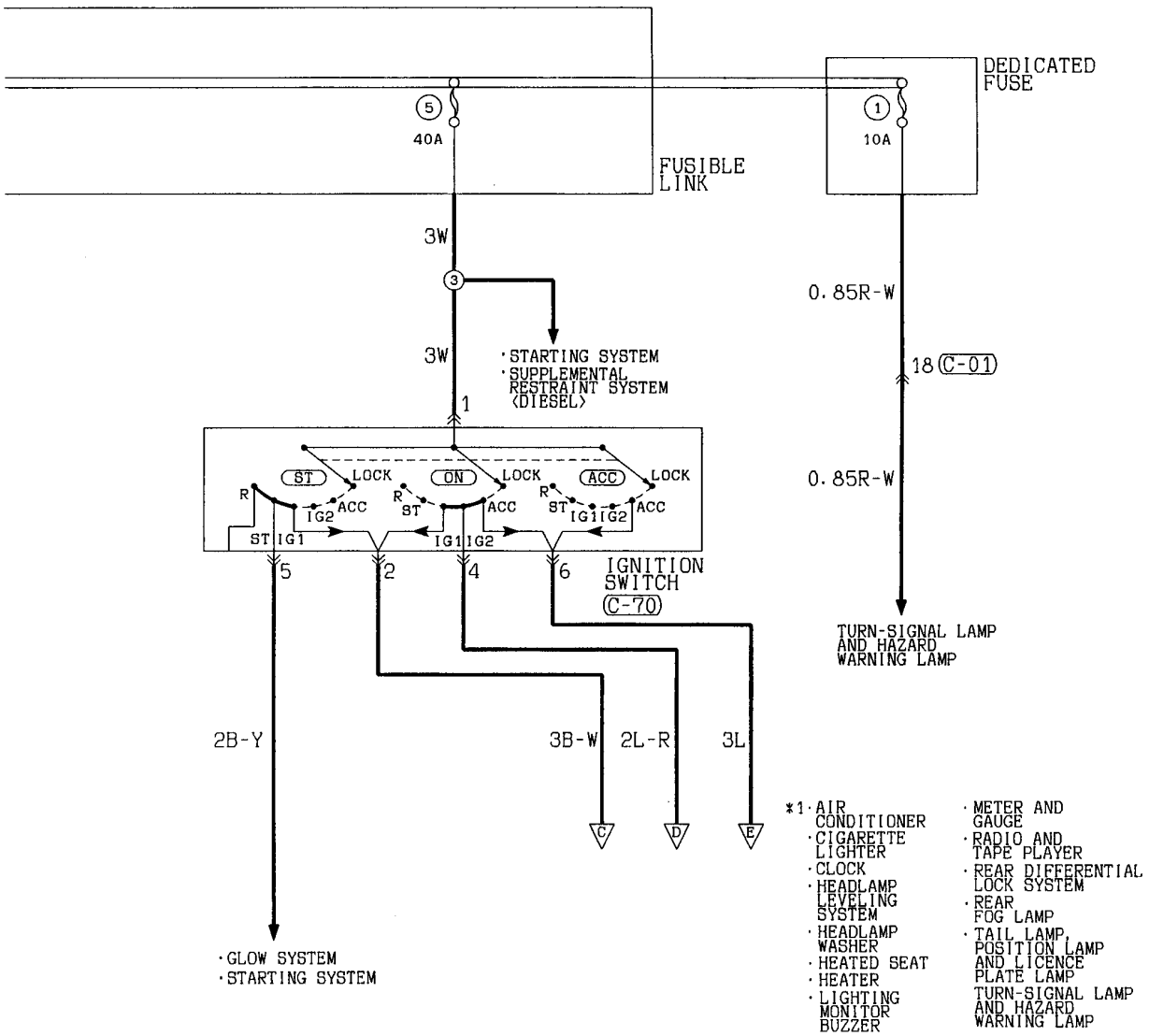

FUSIBLE LINK
1
80A
6
40A
7
30A
8
2
20A
4
30A
B
3W-R
A
3W-R
2B-R
2B-R
2B-R
DEDICATED FUSE
5
10A
DEDICATED FUSE
6
20A
7
10A
(F) 8W-R
R
STORAGE CONNECTOR 2 (A-56X)
R-B
2B
0.85B-R
2L-R
2R-B
CHARGING SYSTEM
· ANTI-LOCK BRAKING SYSTEM
· CENTRAL DOOR LOCKING SYSTEM
· CLOCK
· IMMOBILIZER SYSTEM
· LIGHTING MONITOR BUZZER
· RADIO AND TAPE PLAYER
· SUPPLEMENTAL RESTRAINT SYSTEM
· ROOM LAMP
AIR CONDITIONER
INTERCOOLER FAN
POWER WINDOWS

HP01E01AB

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

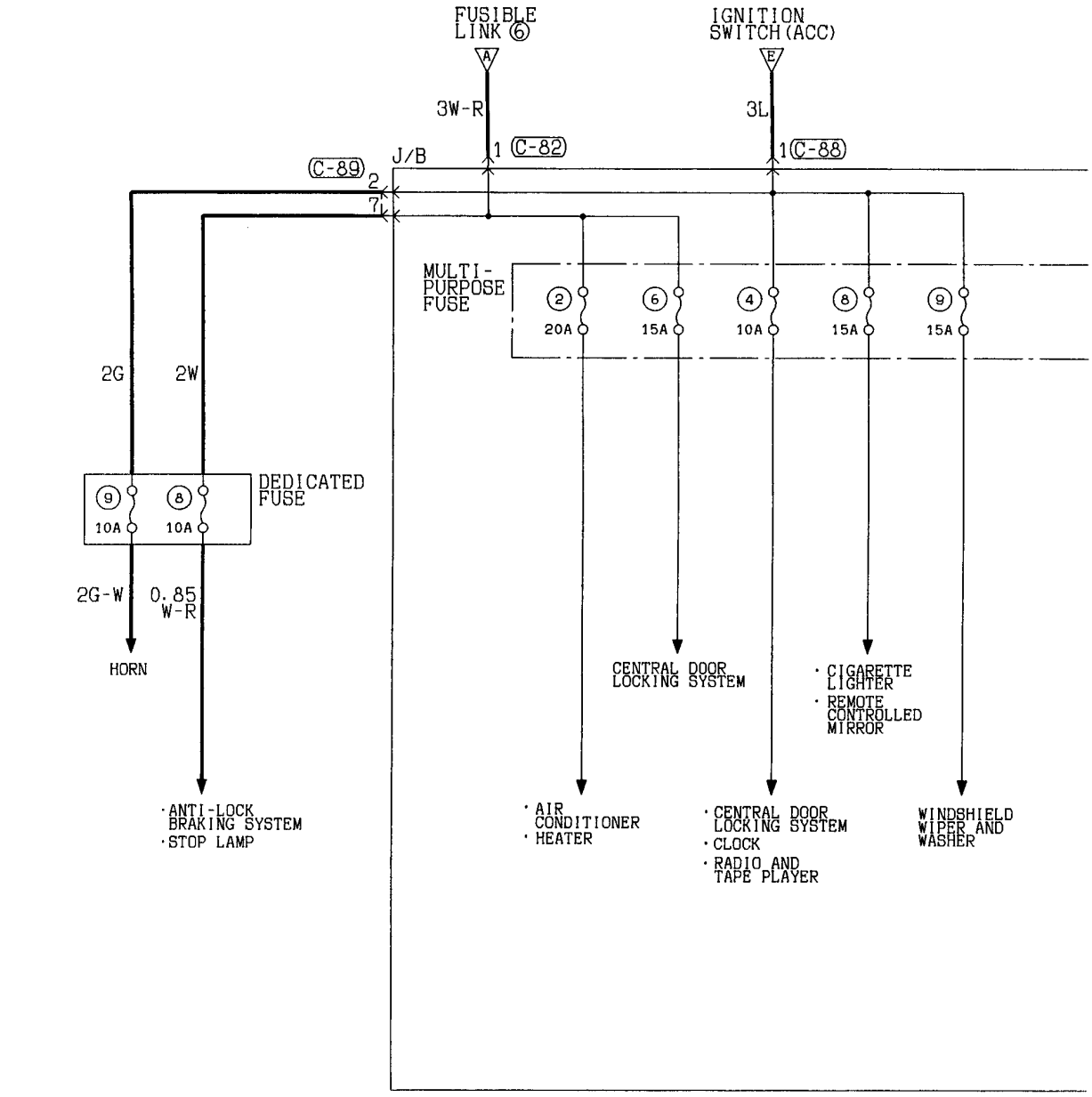


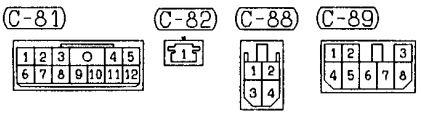
HP01E01BA


DEDICATED FUSE
5
40A
1
10A
FUSIBLE LINK
3W
3
0.85R-W
3W
·STARTING SYSTEM
·SUPPLEMENTAL RESTRAINT SYSTEM (DIESEL)
18 C-01
1
0.85R-W
ST
LOCK
ON
LOCK
ACC
LOCK
R
IG2
ACC
R
ST
ACC
R
ST
IG1
IG2
ACC
ST
IG1
IG1
IG2
5
2
4
6
IGNITION SWITCH C-70
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
2B-Y
3B-W
2L-R
3L
C
D
E
·GLOW SYSTEM
·STARTING SYSTEM
*1·AIR CONDITIONER
·CIGARETTE LIGHTER
·CLOCK
·HEADLAMP LEVELING SYSTEM
·HEADLAMP WASHER
·HEATED SEAT
·HEATER
·LIGHTING MONITOR BUZZER
·METER AND GAUGE
·RADIO AND TAPE PLAYER
·REAR DIFFERENTIAL LOCK SYSTEM
·REAR FOG LAMP
·TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

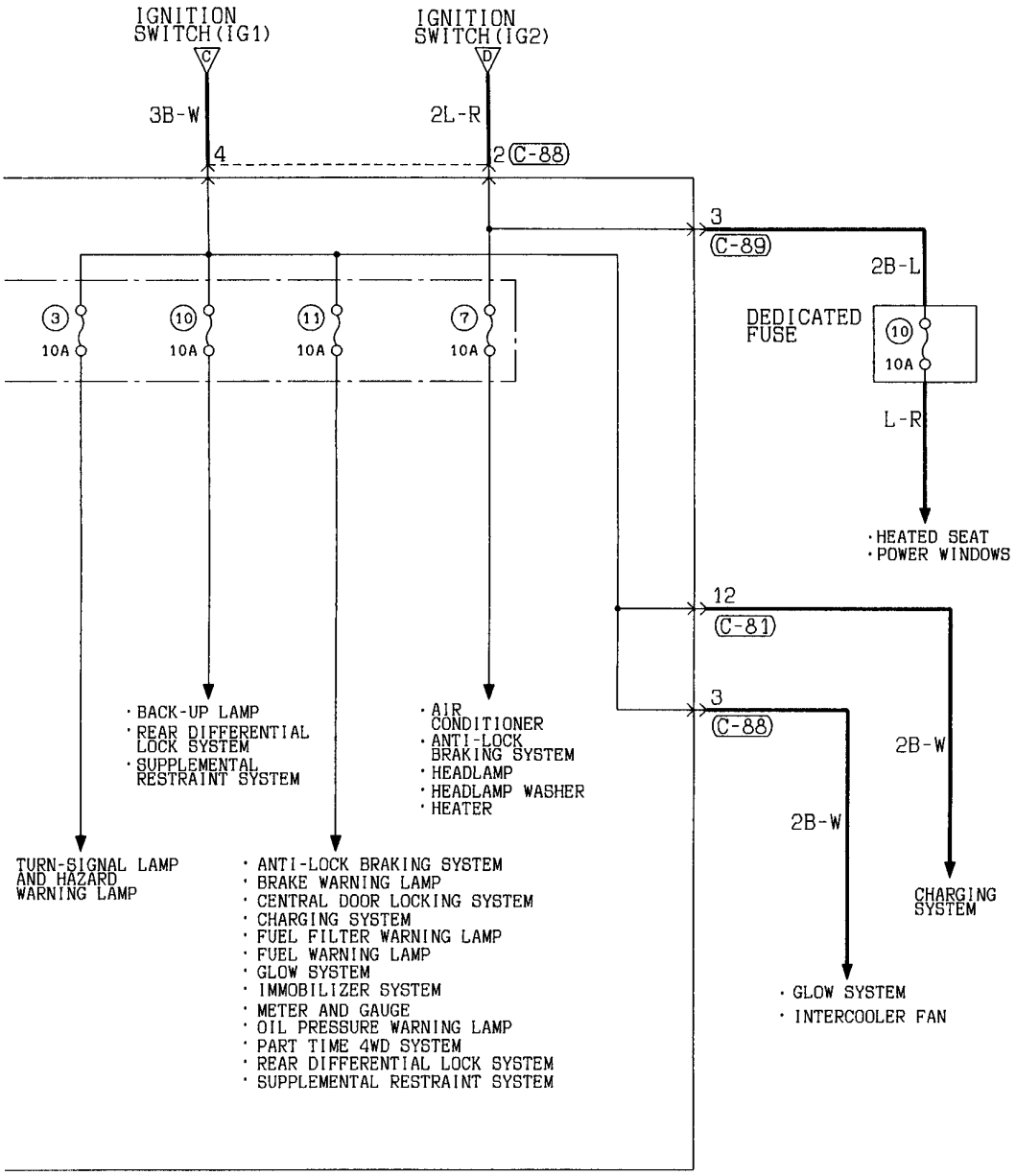
HP01E01BB

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





HP01E01CA

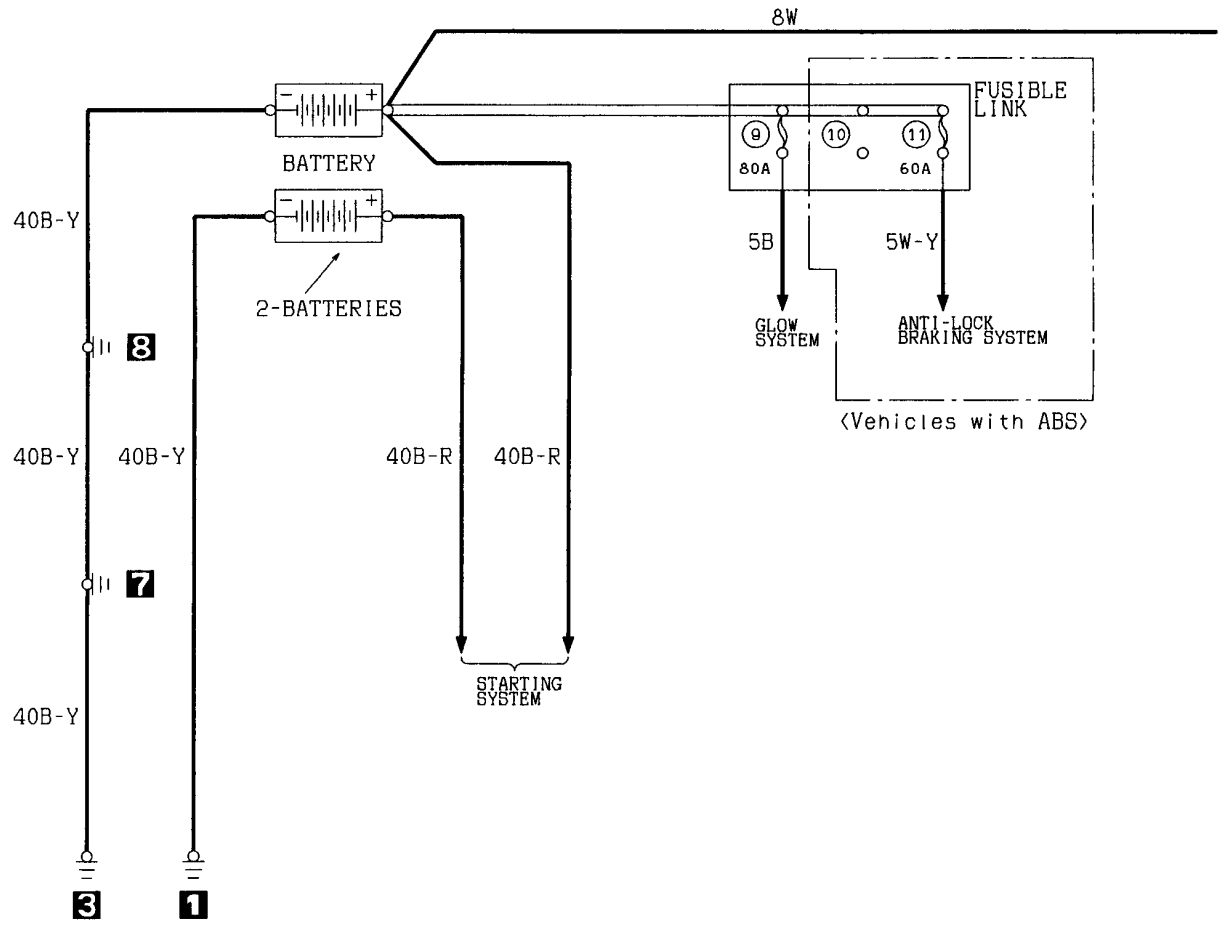

IGNITION SWITCH(IG1)
C
IGNITION SWITCH(IG2)
D
3B-W
2L-R
4
2 C-88
3
C-89
2B-L
DEDICATED FUSE
10
10A
L-R
·HEATED SEAT
·POWER WINDOWS
3
10A
10
10A
11
10A
7
10A
12
C-81
3
C-88
2B-W
2B-W
· BACK-UP LAMP
· REAR DIFFERENTIAL LOCK SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
· AIR CONDITIONER
· ANTI-LOCK BRAKING SYSTEM
· HEADLAMP
· HEADLAMP WASHER
· HEATER
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
· ANTI-LOCK BRAKING SYSTEM
· BRAKE WARNING LAMP
· CENTRAL DOOR LOCKING SYSTEM
· CHARGING SYSTEM
· FUEL FILTER WARNING LAMP
· FUEL WARNING LAMP
· GLOW SYSTEM
· IMMOBILIZER SYSTEM
· METER AND GAUGE
· OIL PRESSURE WARNING LAMP
· PART TIME 4WD SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
CHARGING SYSTEM
· GLOW SYSTEM
· INTERCOOLER FAN

HP01E01CB

POWER DISTRIBUTION SYSTEM

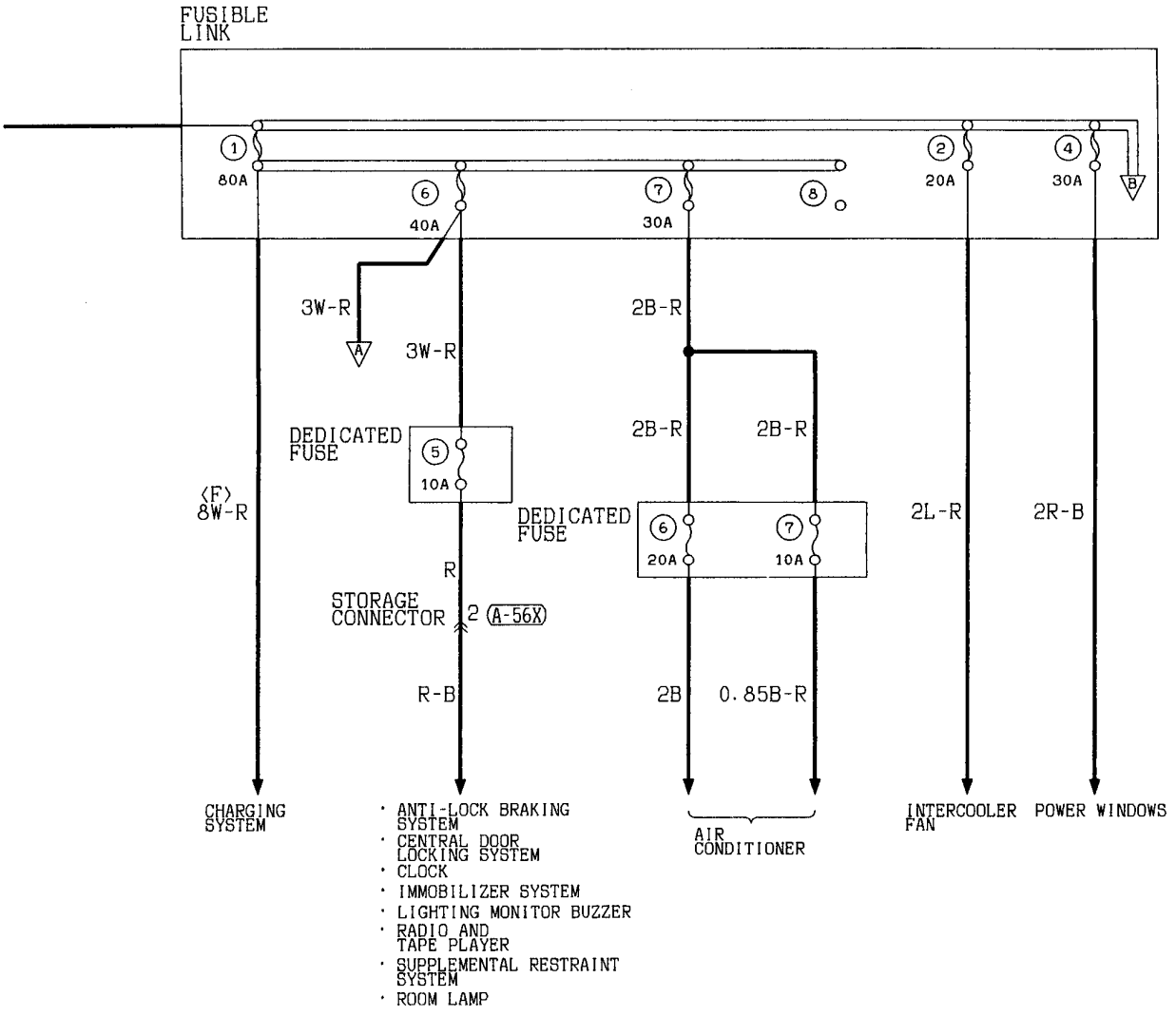
90100040647

R.H. drive vehicles <1998 Models>



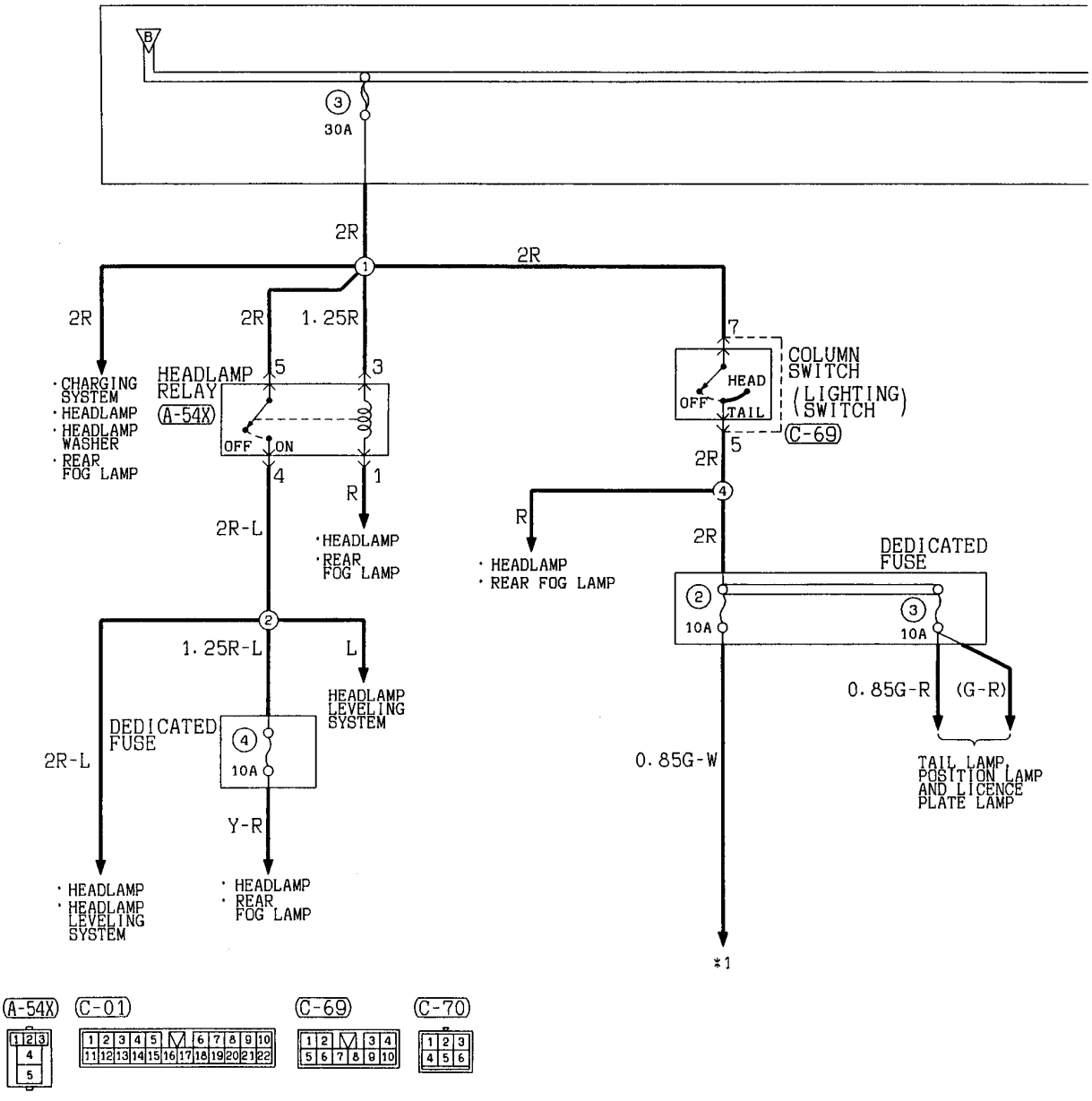
A-56X

8P01E01AA

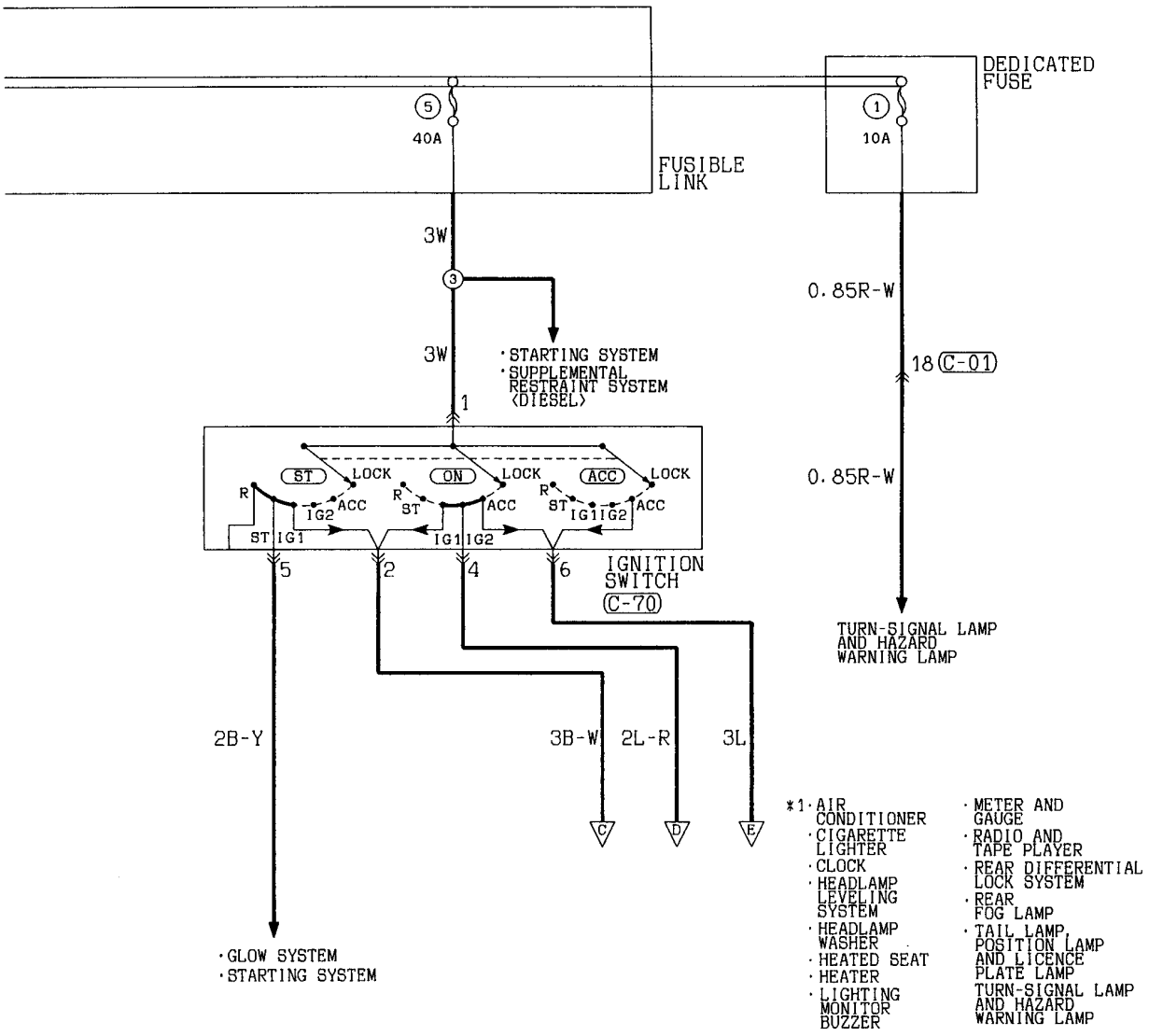

FUSIBLE LINK
1
80A
6
40A
7
30A
8
2
20A
4
30A
B
3W-R
A
3W-R
2B-R
2B-R
2B-R
DEDICATED FUSE
5
10A
DEDICATED FUSE
6
20A
7
10A
(F)
8W-R
R
STORAGE CONNECTOR
2 A-56X
R-B
2B
0.85B-R
2L-R
2R-B
CHARGING SYSTEM
· ANTI-LOCK BRAKING SYSTEM
· CENTRAL DOOR LOCKING SYSTEM
· CLOCK
· IMMOBILIZER SYSTEM
· LIGHTING MONITOR BUZZER
· RADIO AND TAPE PLAYER
· SUPPLEMENTAL RESTRAINT SYSTEM
· ROOM LAMP
AIR CONDITIONER
INTERCOOLER FAN
POWER WINDOWS

8P01E01AB

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

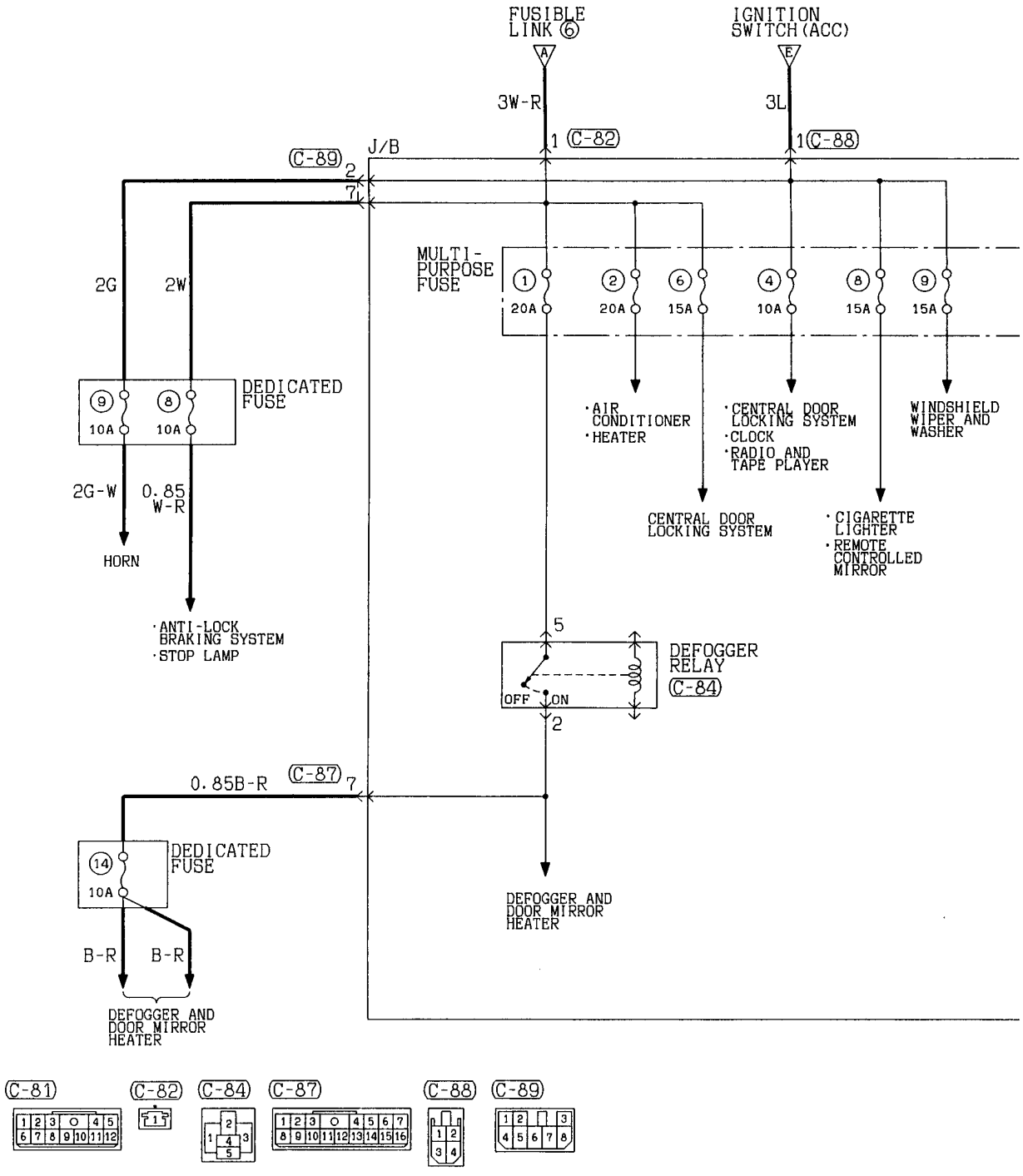


8P01E01BA

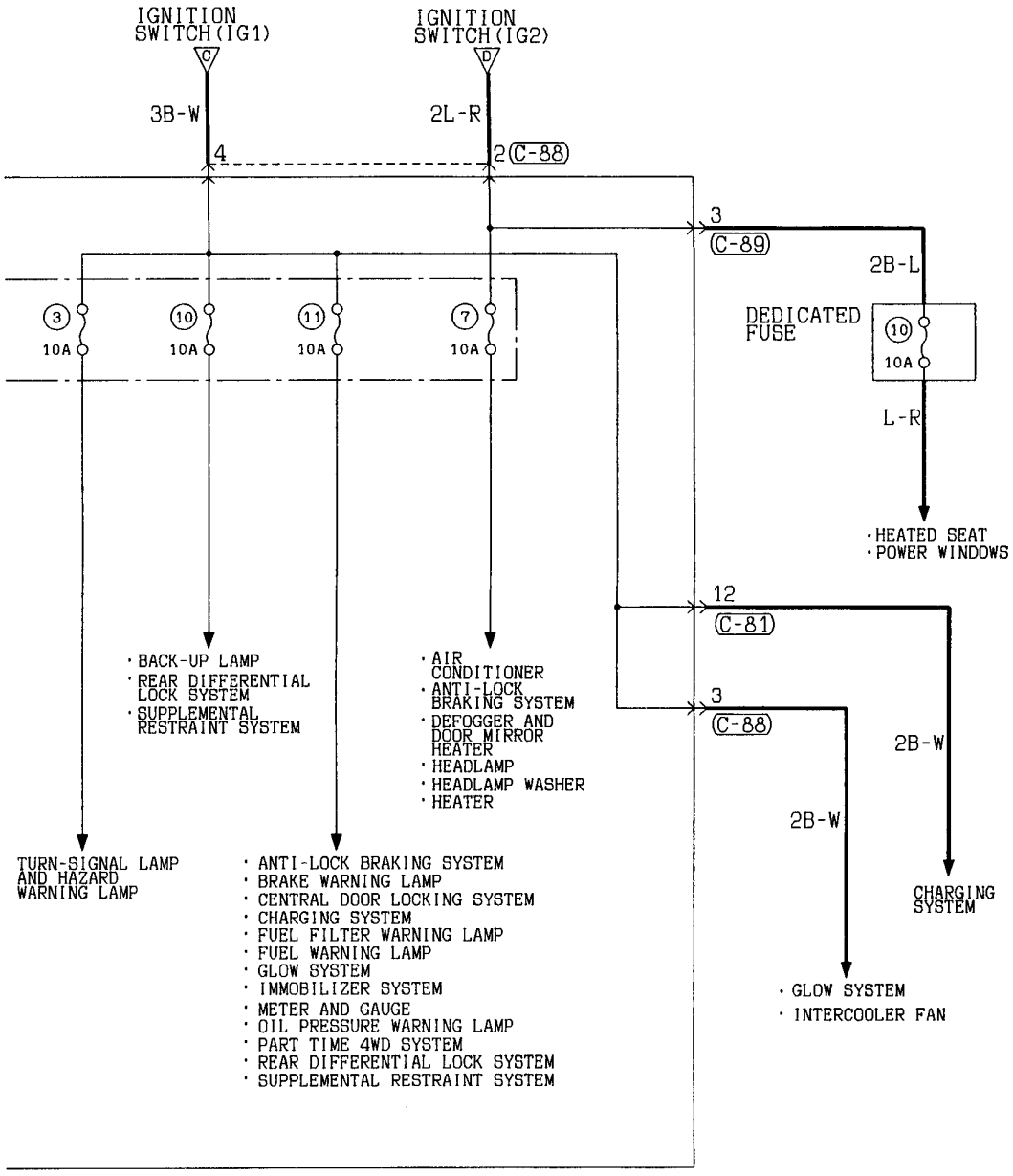

DEDICATED FUSE
5
40A
1
10A
FUSIBLE LINK
3W
3
3W
·STARTING SYSTEM
·SUPPLEMENTAL RESTRAINT SYSTEM <DIESEL>
1
0.85R-W
18 C-01
0.85R-W
ST
LOCK
ON
LOCK
ACC
LOCK
R
IG2
ACC
R
ST
ACC
R
ST
IG1
IG2
ACC
ST
IG1
IG1
IG2
5
2
4
6
IGNITION SWITCH
C-70
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
2B-Y
3B-W
2L-R
3L
C
D
E
·GLOW SYSTEM
·STARTING SYSTEM
*1·AIR CONDITIONER
·CIGARETTE LIGHTER
·CLOCK
·HEADLAMP LEVELING SYSTEM
·HEADLAMP WASHER
·HEATED SEAT
·HEATER
·LIGHTING MONITOR BUZZER
·METER AND GAUGE
·RADIO AND TAPE PLAYER
·REAR DIFFERENTIAL LOCK SYSTEM
·REAR FOG LAMP
·TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

8P01E01BB

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



8P01E01CA

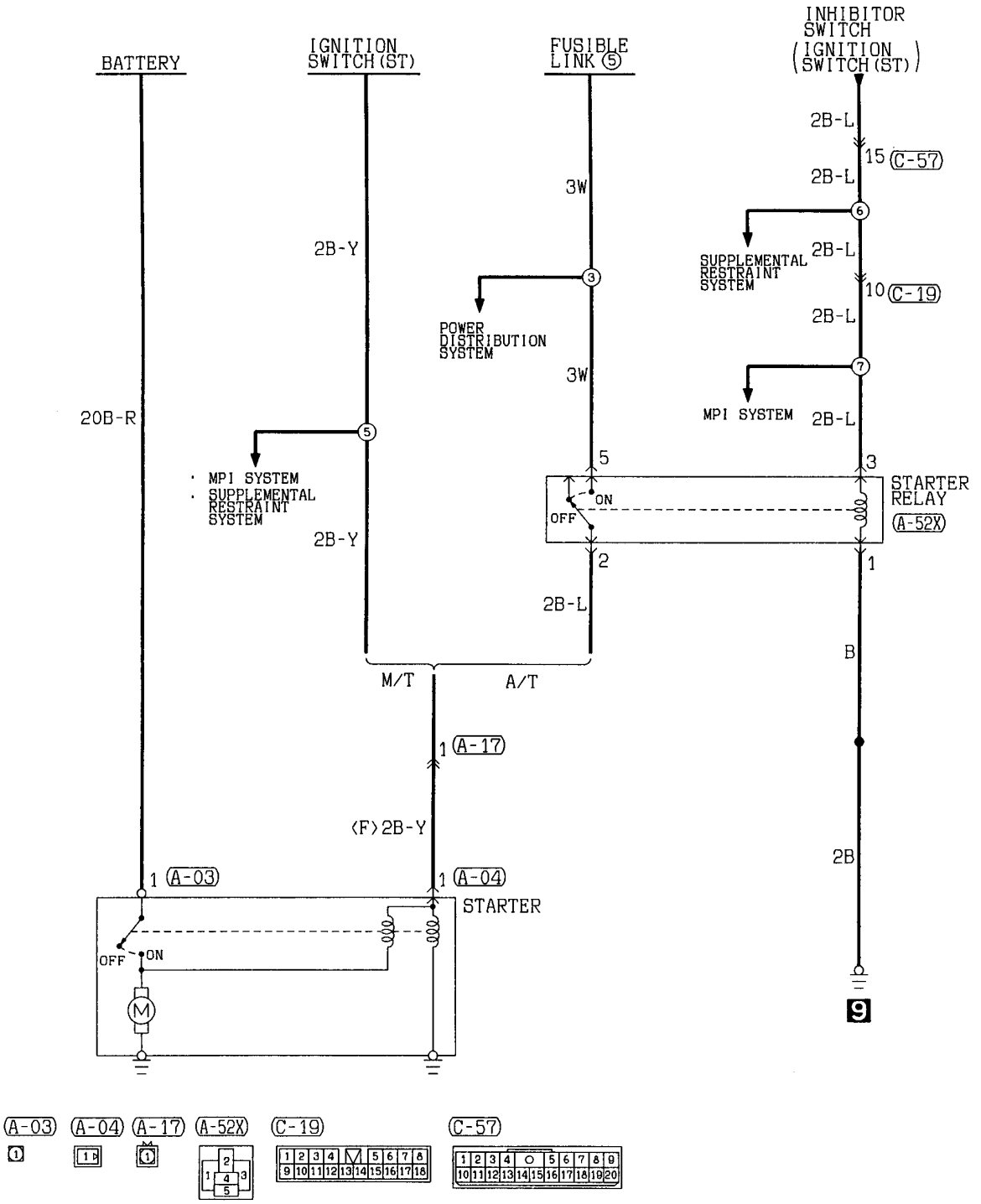

IGNITION SWITCH(IG1)
IGNITION SWITCH(IG2)
C
D
3B-W
2L-R
4
2 C-88
3
C-89
2B-L
DEDICATED FUSE
10
10A
L-R
·HEATED SEAT
·POWER WINDOWS
3
10A
10
10A
11
10A
7
10A
·BACK-UP LAMP
·REAR DIFFERENTIAL LOCK SYSTEM
·SUPPLEMENTAL RESTRAINT SYSTEM
·AIR CONDITIONER
·ANTI-LOCK BRAKING SYSTEM
·DEFOGGER AND DOOR MIRROR HEATER
·HEADLAMP
·HEADLAMP WASHER
·HEATER
12
C-81
3
C-88
2B-W
2B-W
CHARGING SYSTEM
·GLOW SYSTEM
·INTERCOOLER FAN
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP
·ANTI-LOCK BRAKING SYSTEM
·BRAKE WARNING LAMP
·CENTRAL DOOR LOCKING SYSTEM
·CHARGING SYSTEM
·FUEL FILTER WARNING LAMP
·FUEL WARNING LAMP
·GLOW SYSTEM
·IMMOBILIZER SYSTEM
·METER AND GAUGE
·OIL PRESSURE WARNING LAMP
·PART TIME 4WD SYSTEM
·REAR DIFFERENTIAL LOCK SYSTEM
·SUPPLEMENTAL RESTRAINT SYSTEM

8P01E01CB

STARTING SYSTEM

90100050329

Petrol-powered vehicles

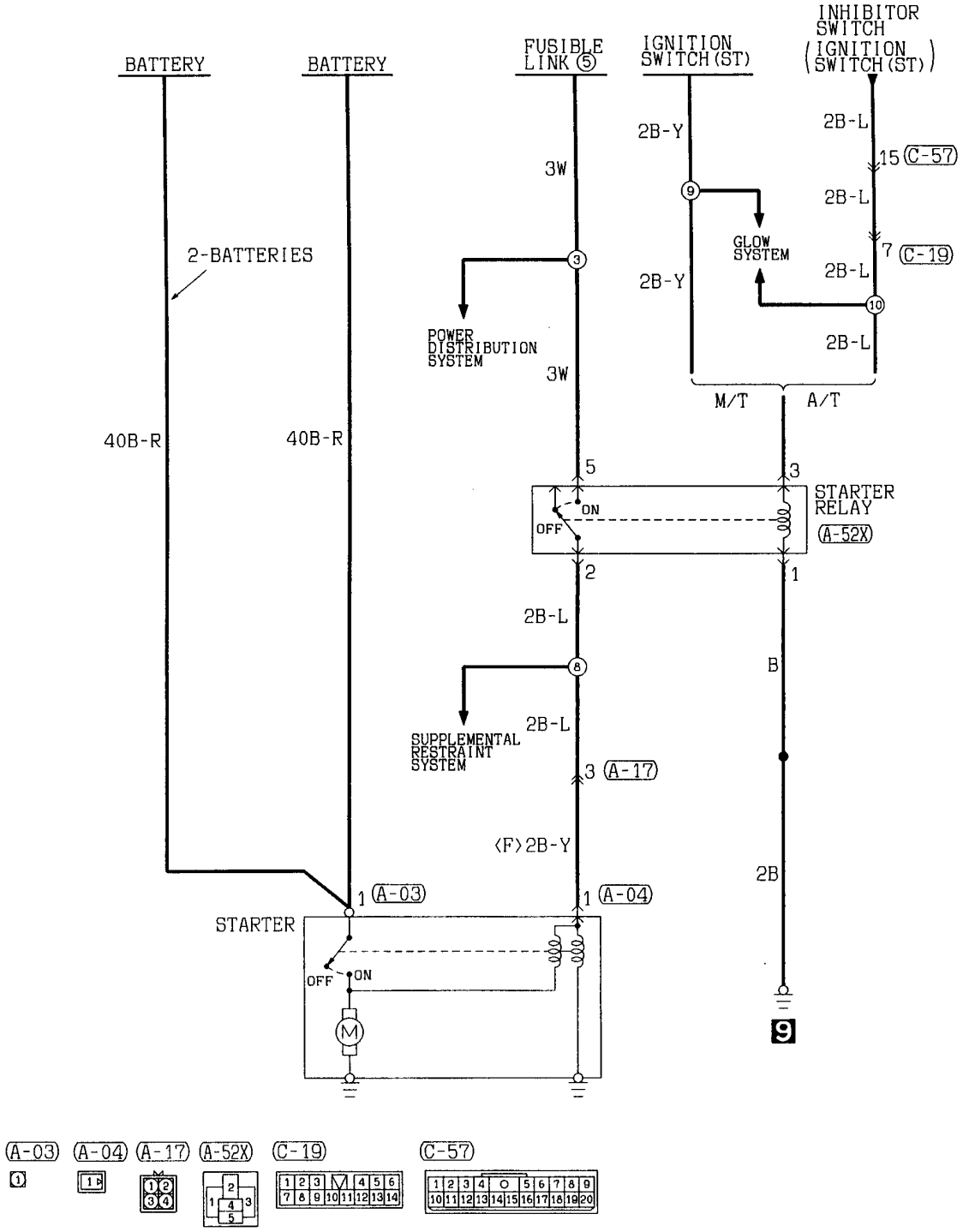


HP02E00AA

STARTING SYSTEM

90100050336

Diesel-powered vehicles



HP02E01AA

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.

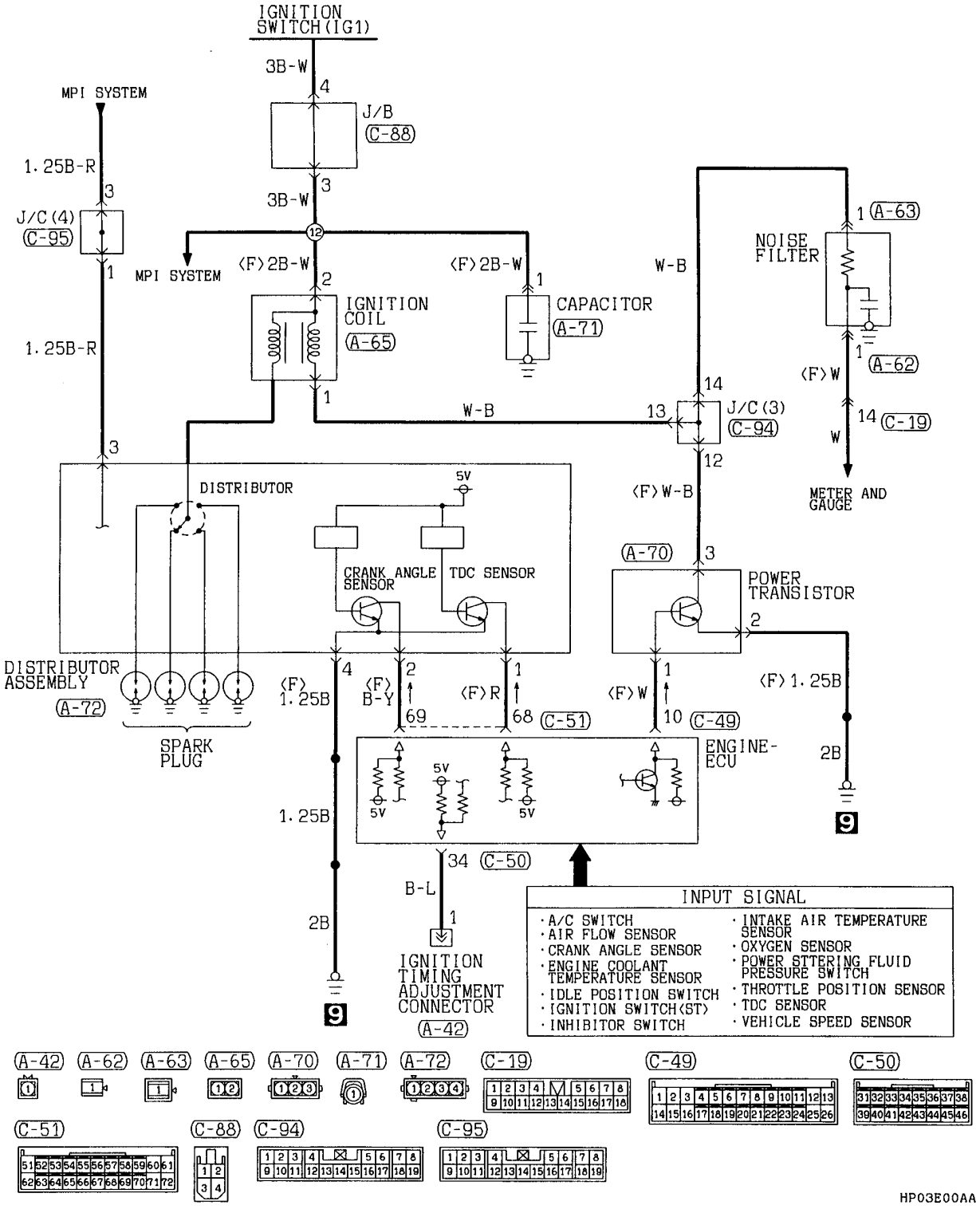
TROUBLESHOOTING HINTS

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

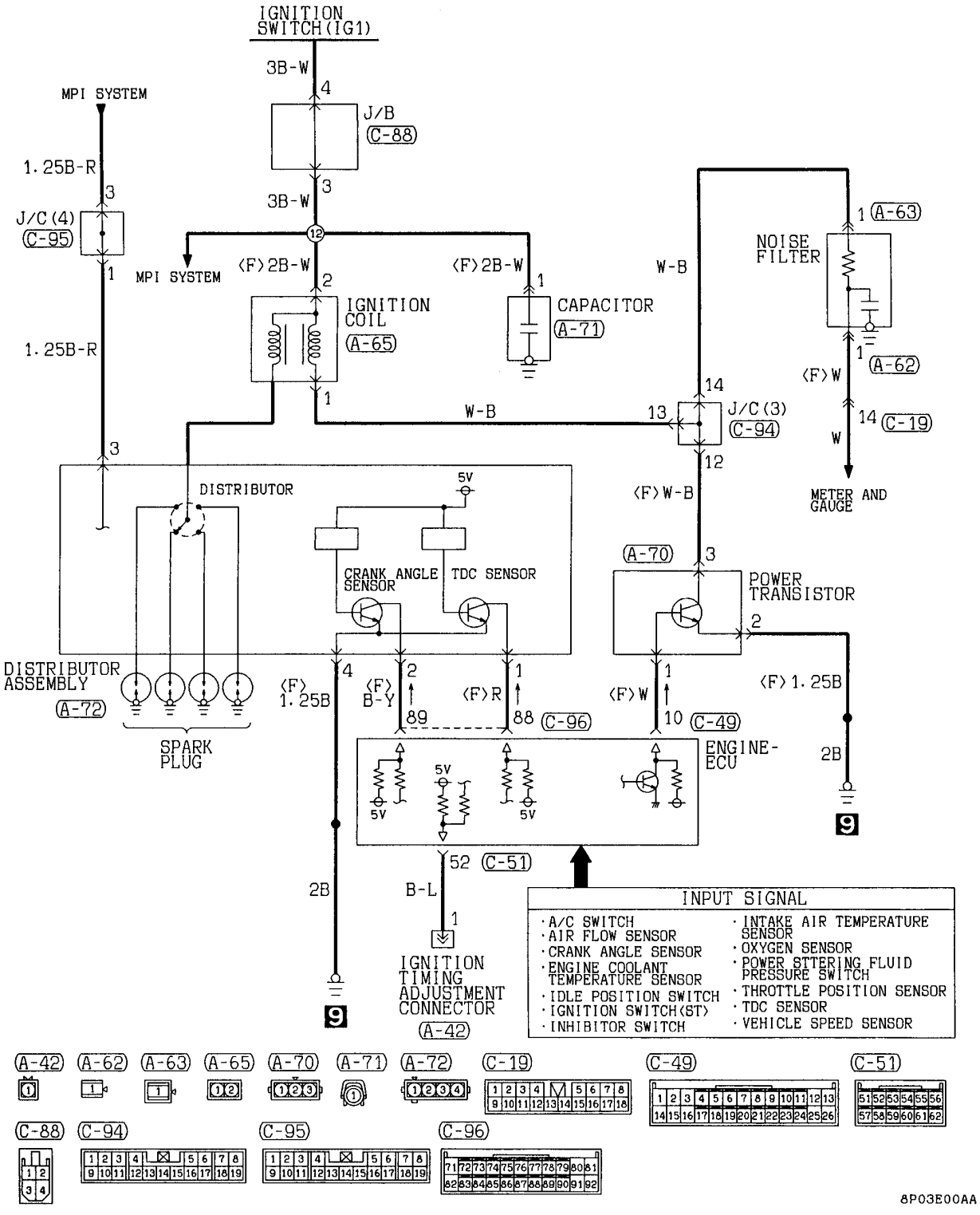
1997 Models



IGNITION SYSTEM

90100060810

1998 Models



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.

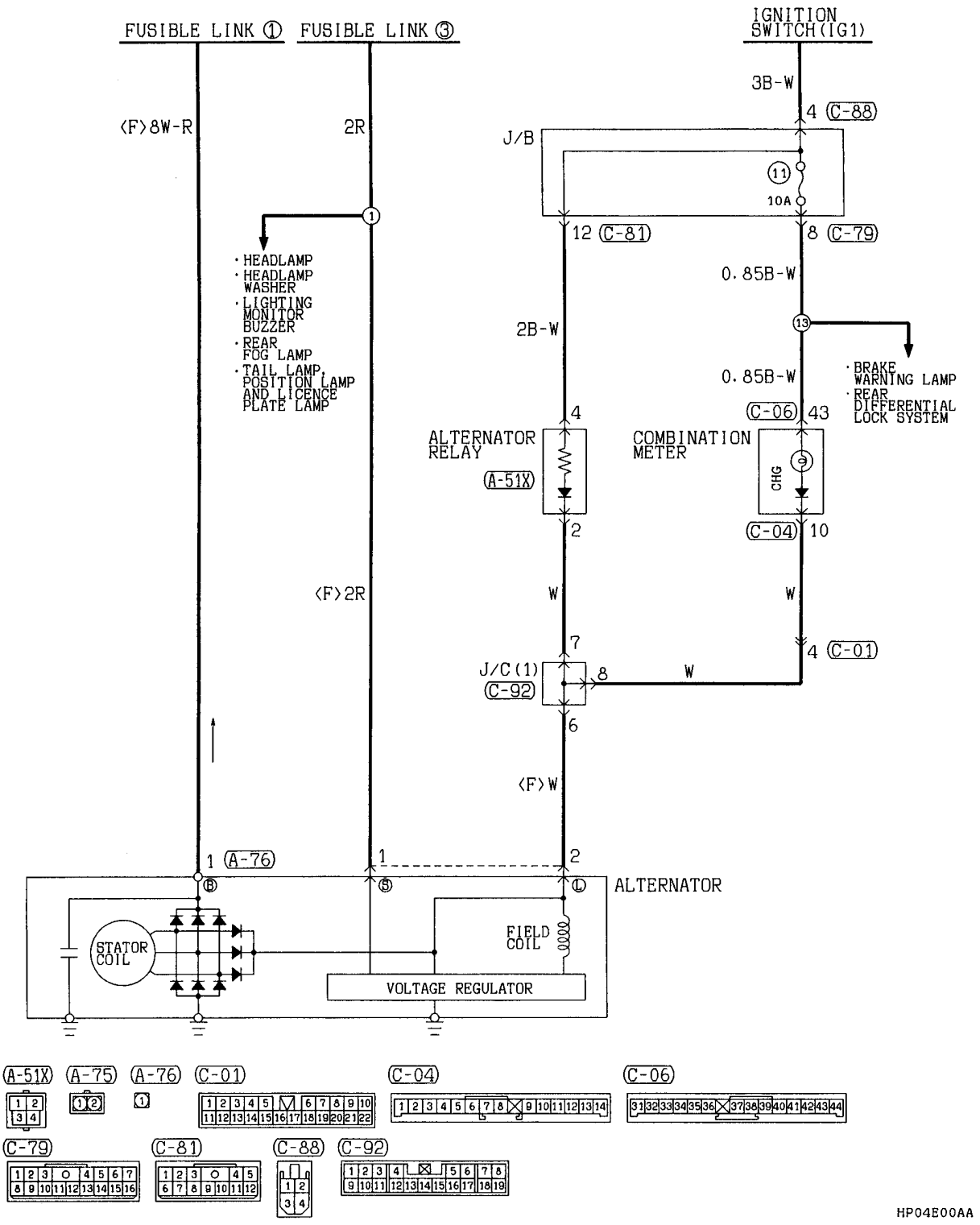
TROUBLESHOOTING HINTS

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).

CHARGING SYSTEM

90100070318

Petrol-powered vehicles

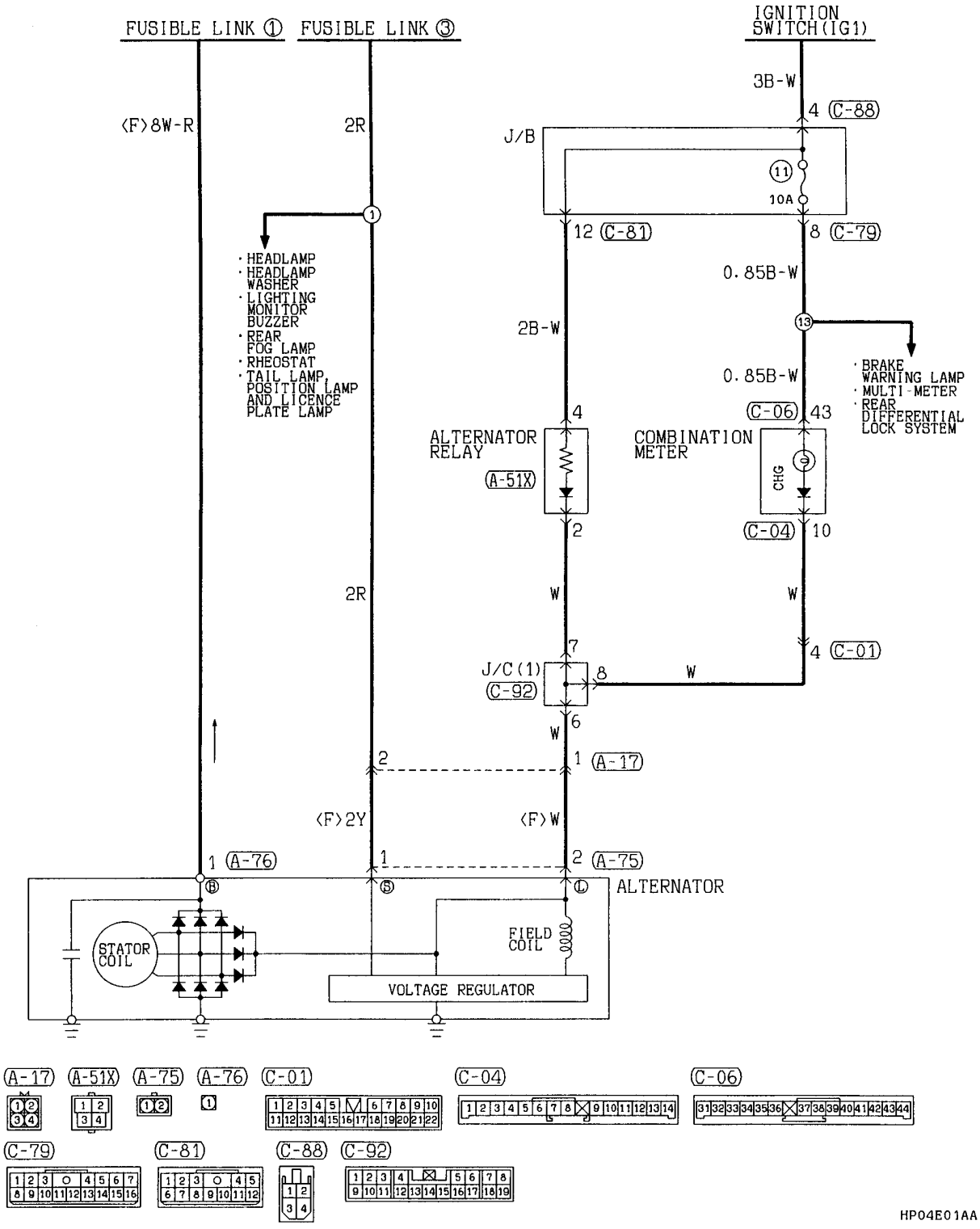


HP04E00AA

CHARGING SYSTEM

90100070325

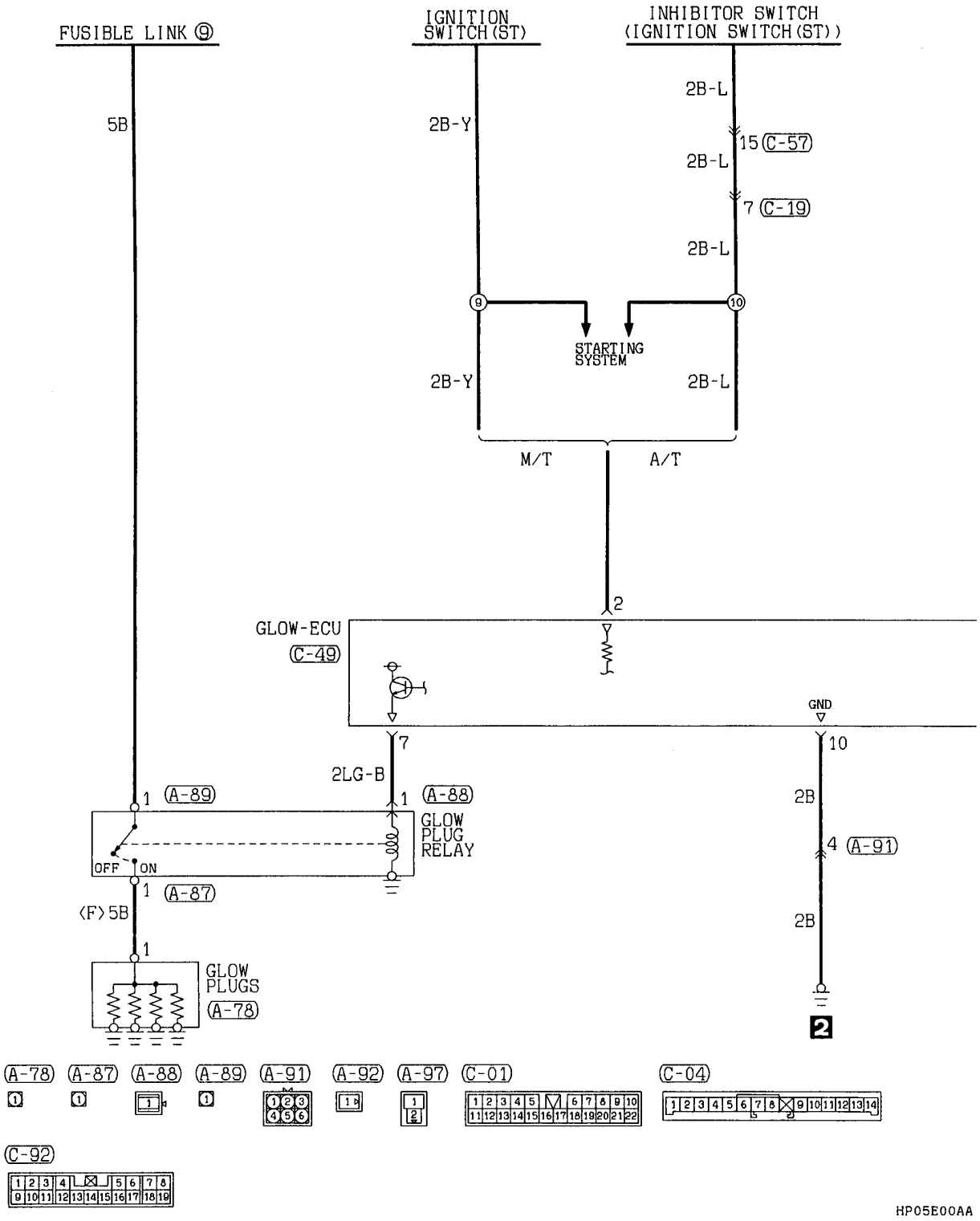
Diesel-powered vehicles



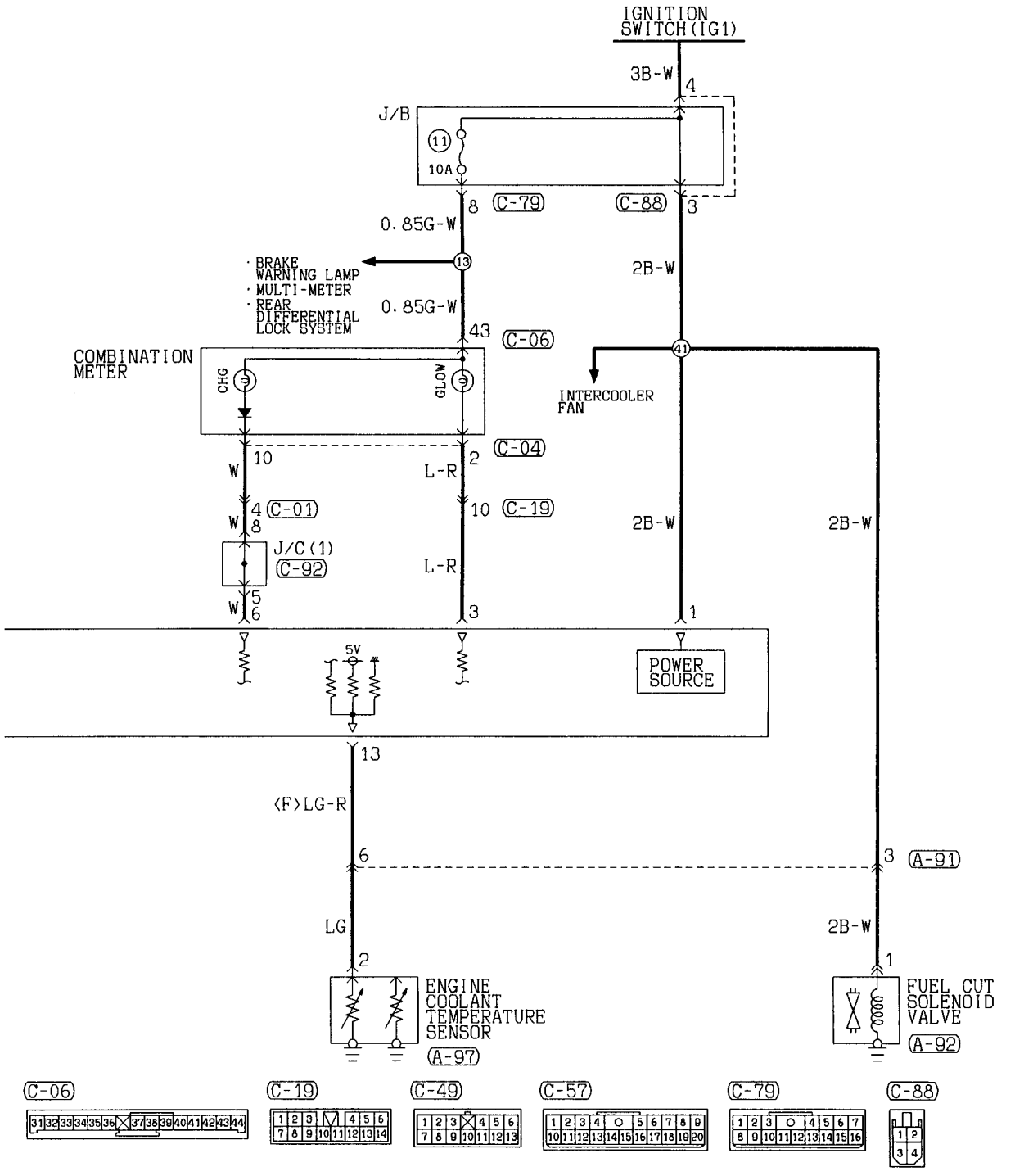
HP04E01AA

GLOW SYSTEM

90100090031



HP05E00AA

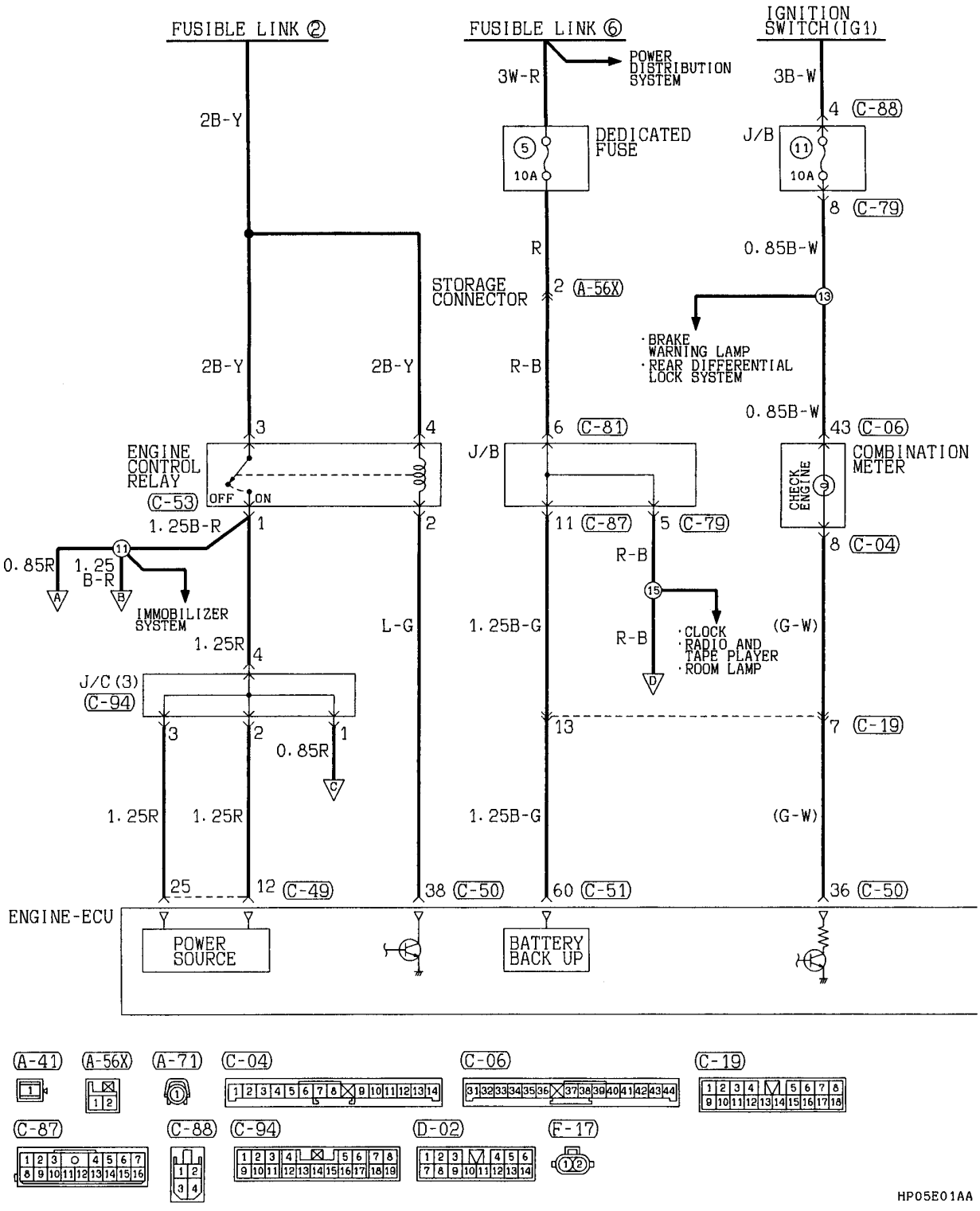

IGNITION SWITCH(IG1)
3B-W
4
J/B
11
10A
8
C-79
C-88
3
0.85G-W
· BRAKE WARNING LAMP
· MULTI-METER
· REAR DIFFERENTIAL LOCK SYSTEM
13
0.85G-W
2B-W
43
C-06
41
COMBINATION METER
CHG
GLOW
INTERCOOLER FAN
C-04
2
10
W
L-R
4
C-01
10
C-19
W
8
2B-W
2B-W
J/C(1)
C-92
L-R
5
W
6
3
1
5V
POWER SOURCE
13
(F)LG-R
6
3
A-91
LG
2B-W
2
1
ENGINE COOLANT TEMPERATURE SENSOR
A-97
FUEL CUT SOLENOID VALVE
A-92
C-06
C-19
C-49
C-57
C-79
C-88

HP05E00AB

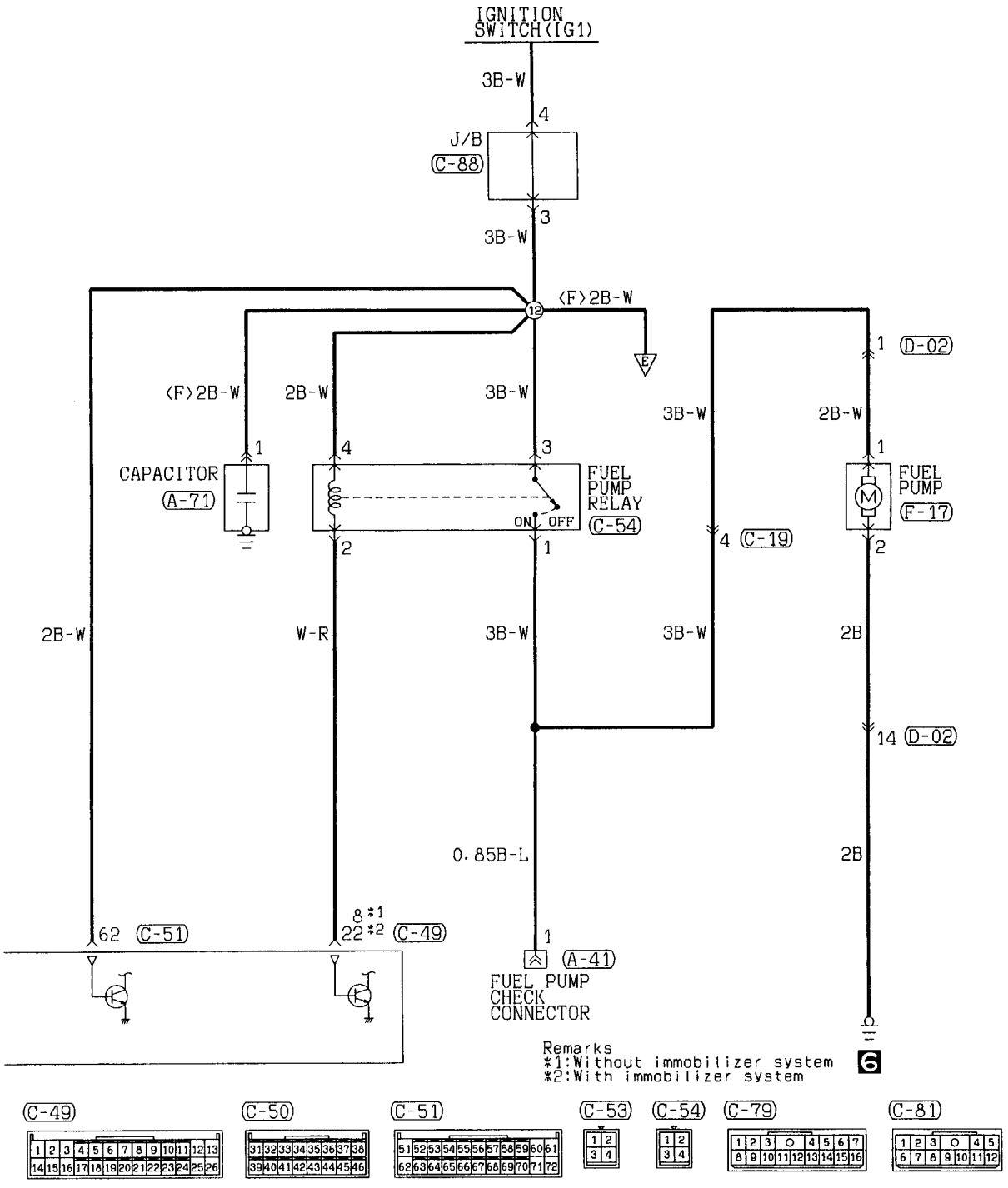
MPI SYSTEM

90100080526

1997 Models

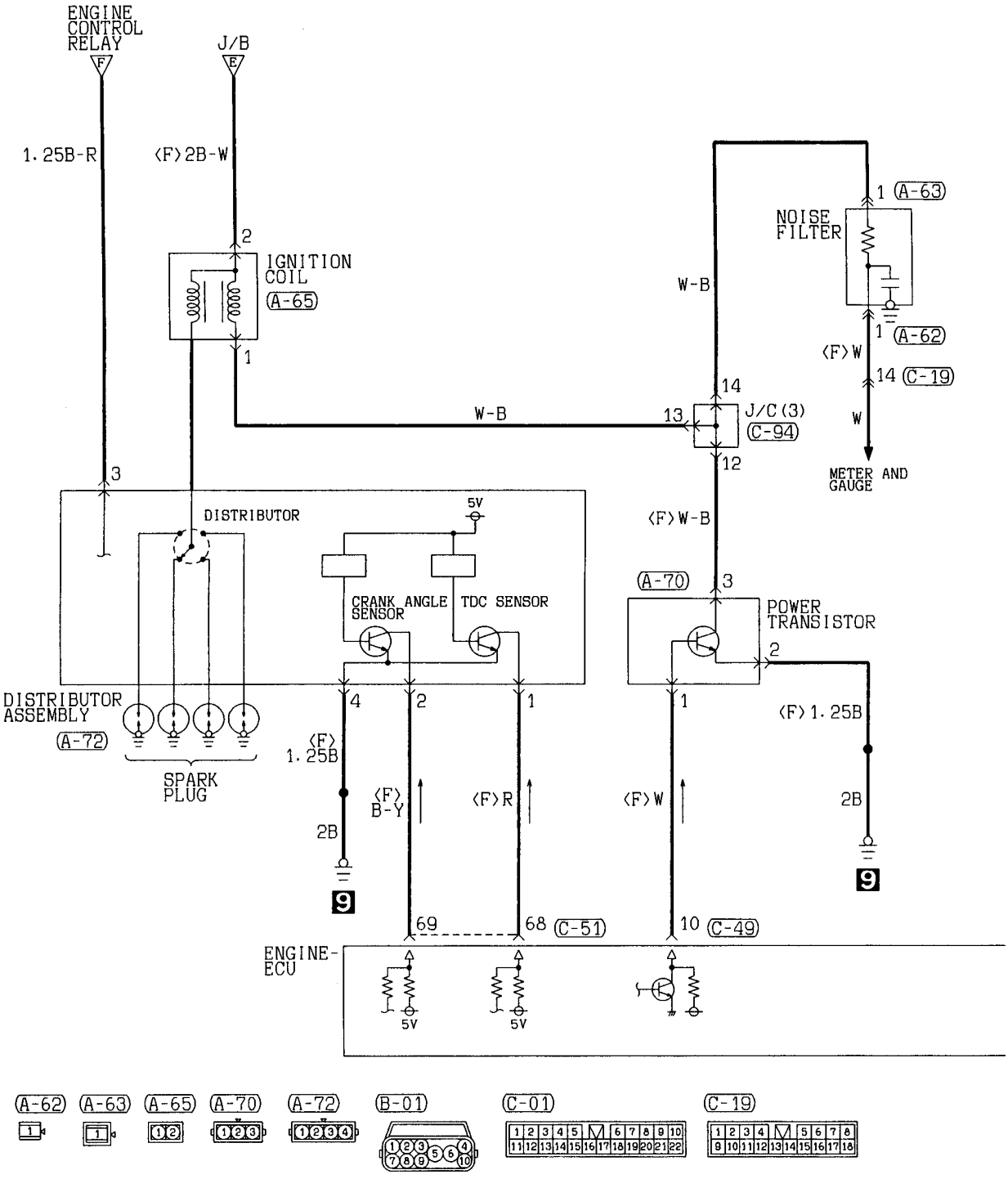


HP05E01AA

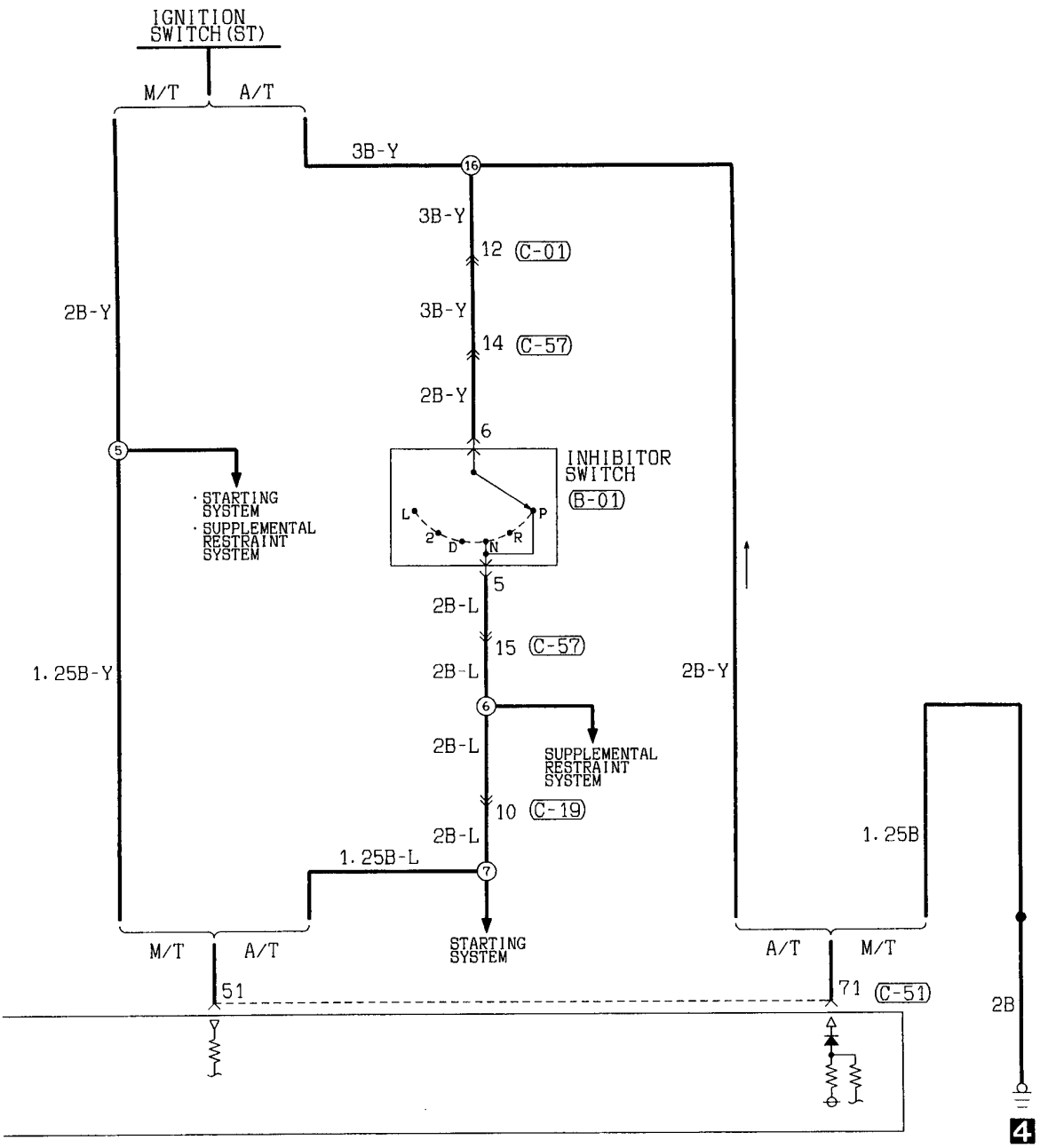

IGNITION SWITCH(IG1)
3B-W
4
J/B
C-88
3
3B-W
12
(F)2B-W
E
(F)2B-W
2B-W
3B-W
3B-W
2B-W
1
D-02
CAPACITOR
A-71
1
4
3
FUEL PUMP RELAY
C-54
ON
OFF
2
1
4
C-19
1
FUEL PUMP
F-17
2
2B-W
W-R
3B-W
3B-W
2B
14
D-02
0.85B-L
2B
62
C-51
8 *1
22 *2
C-49
1
A-41
FUEL PUMP CHECK CONNECTOR
Remarks
*1:Without immobilizer system
*2:With immobilizer system
6
C-49
C-50
C-51
C-53
C-54
C-79
C-81

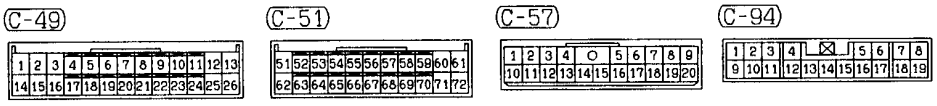
HP05E01AB

MPI SYSTEM <1997 Models> (CONTINUED)



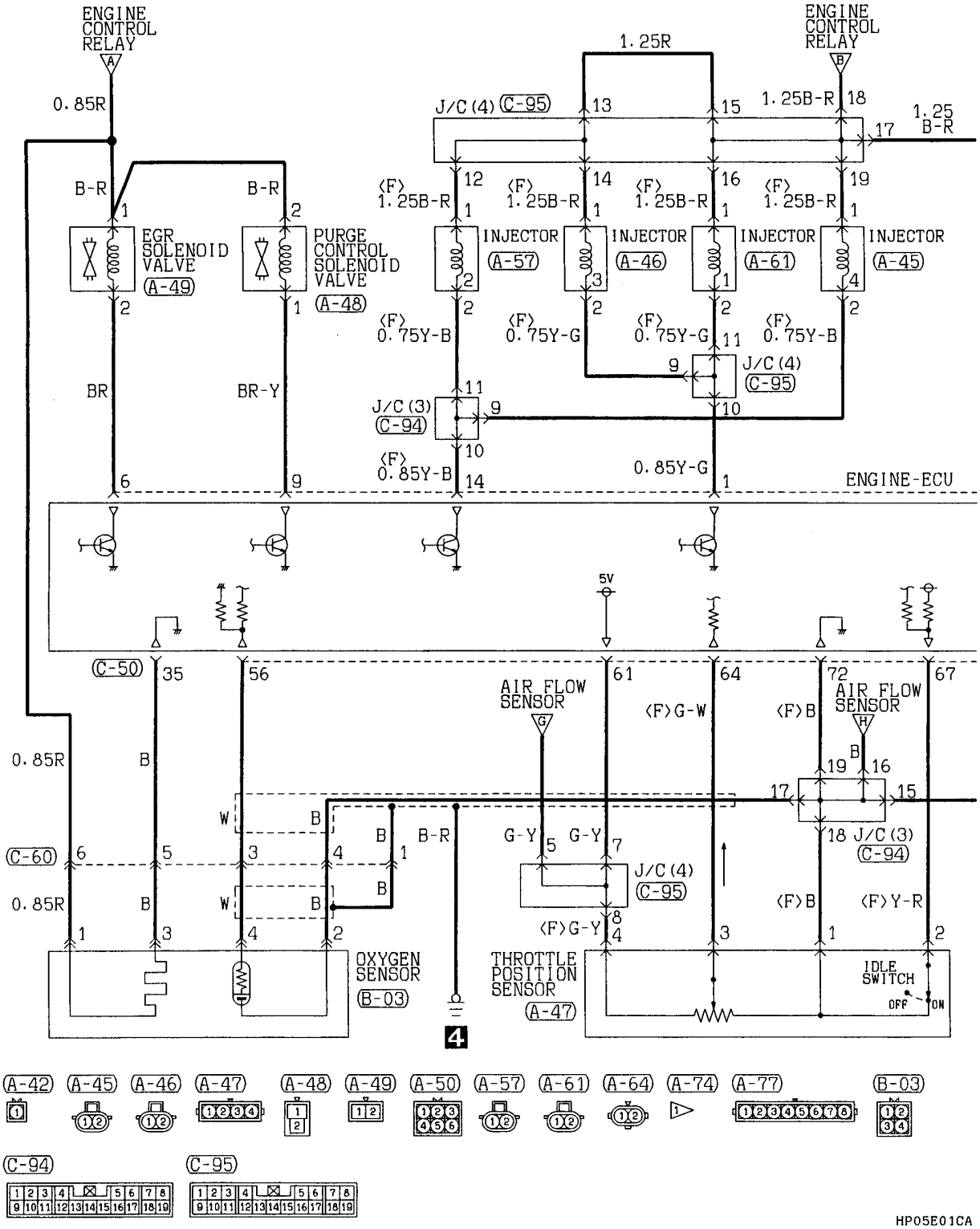
HP05E01BA


IGNITION SWITCH (ST)
M/T
A/T
3B-Y
16
3B-Y
12 C-01
2B-Y
3B-Y
14 C-57
2B-Y
6
5
INHIBITOR SWITCH
B-01
L
2
D
N
R
P
· STARTING SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
5
2B-L
15 C-57
1.25B-Y
2B-L
2B-Y
6
2B-L
SUPPLEMENTAL RESTRAINT SYSTEM
10 C-19
2B-L
1.25B
1.25B-L
7
M/T
A/T
STARTING SYSTEM
A/T
M/T
51
71 C-51
2B
4

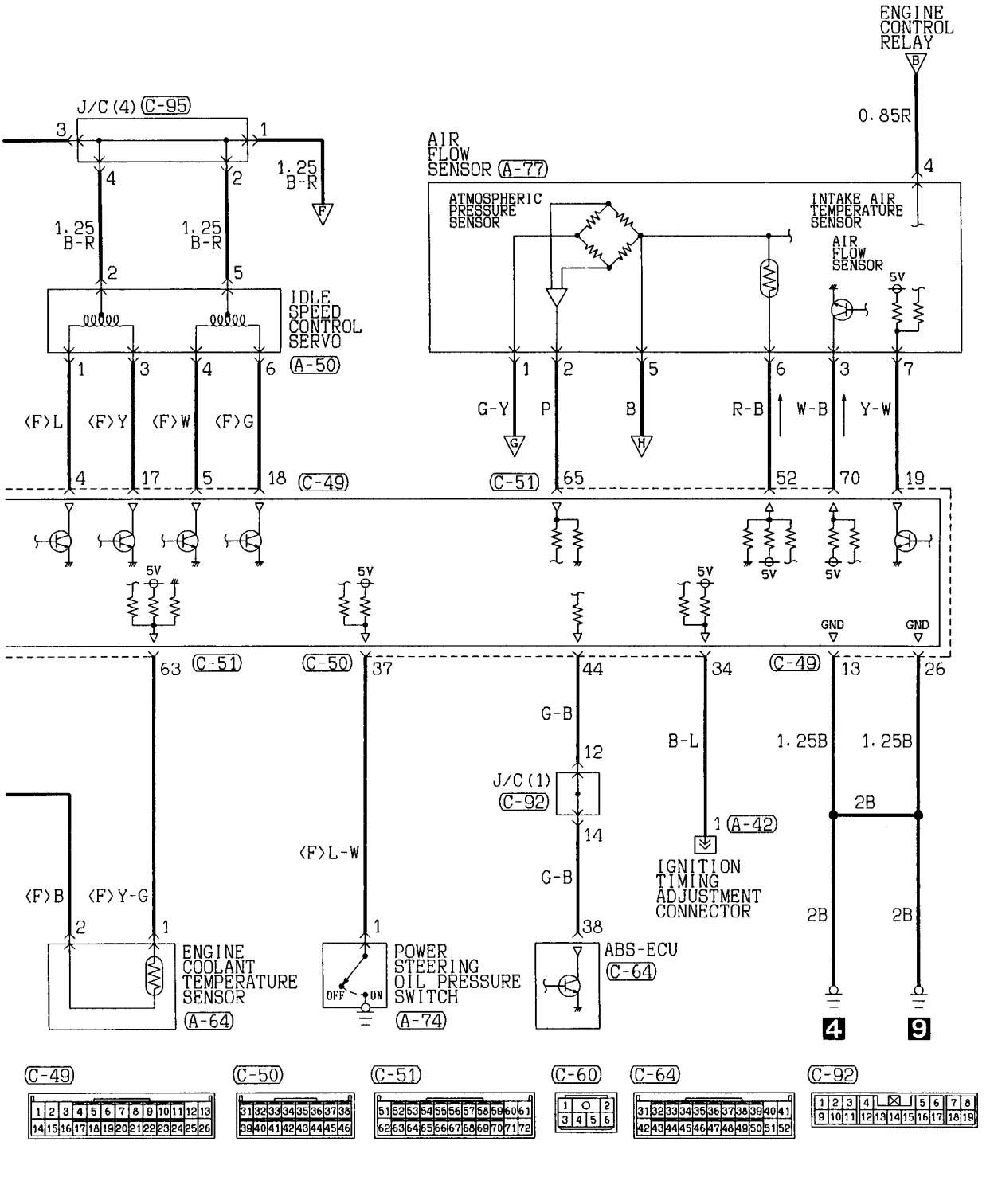

C-49
C-51
C-57
C-94

HP05E01BB

MPI SYSTEM <1997 Models> (CONTINUED)

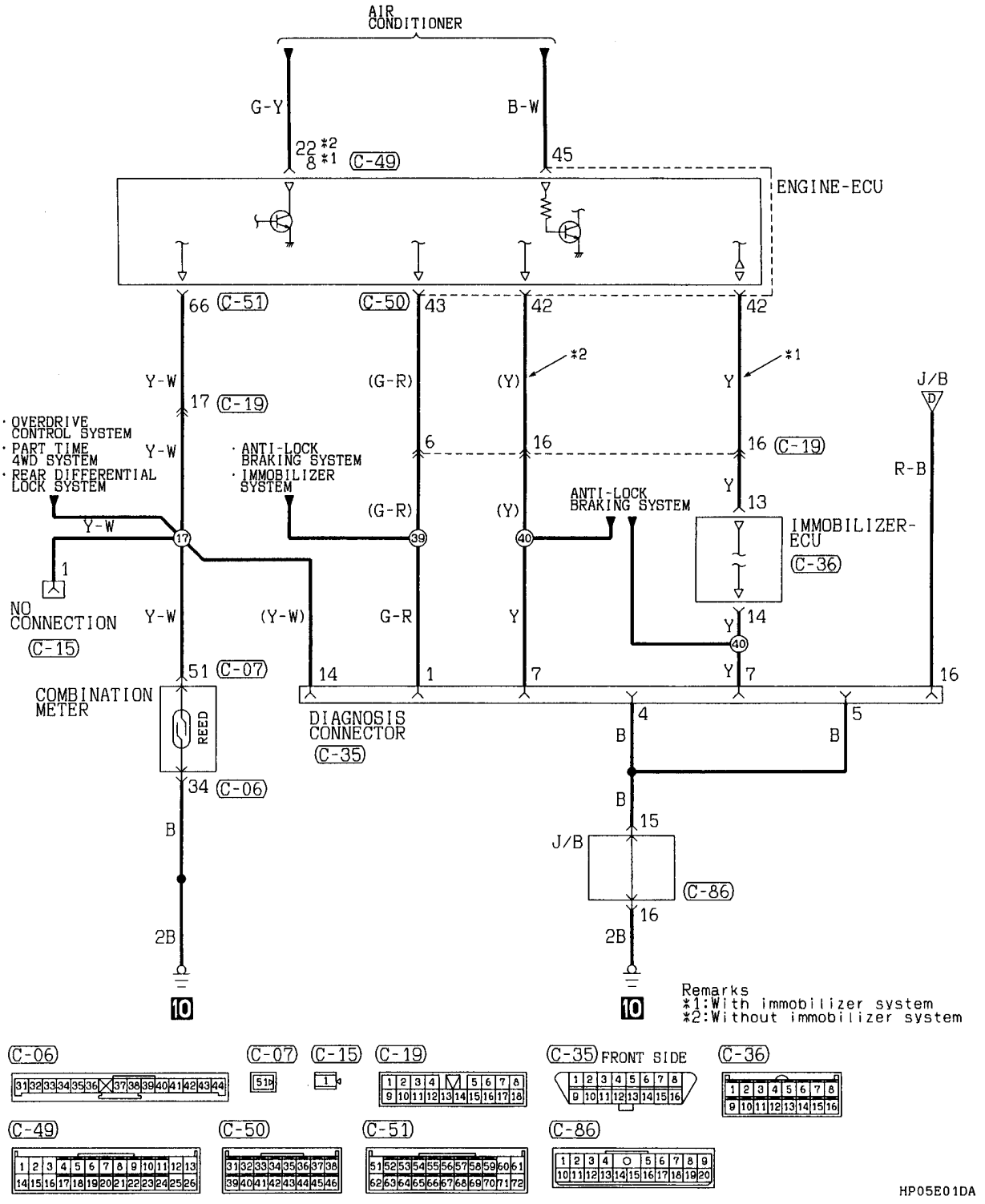


HP05E01CA


ENGINE CONTROL RELAY
0.85R
J/C (4) C-95
1.25 B-R
AIR FLOW SENSOR A-77
ATMOSPHERIC PRESSURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
AIR FLOW SENSOR
5V
IDLE SPEED CONTROL SERVO A-50
(F)L
(F)Y
(F)W
(F)G
G-Y
P
B
R-B
W-B
Y-W
C-49
C-51
GND
C-50
G-B
B-L
J/C (1) C-92
A-42
IGNITION TIMING ADJUSTMENT CONNECTOR
1.25B
2B
(F)B
(F)Y-G
(F)L-W
ENGINE COOLANT TEMPERATURE SENSOR A-64
POWER STEERING OIL PRESSURE SWITCH A-74
OFF
ON
ABS-ECU C-64
C-60
C-92

HP05E01CB

MPI SYSTEM <1997 Models> (CONTINUED)

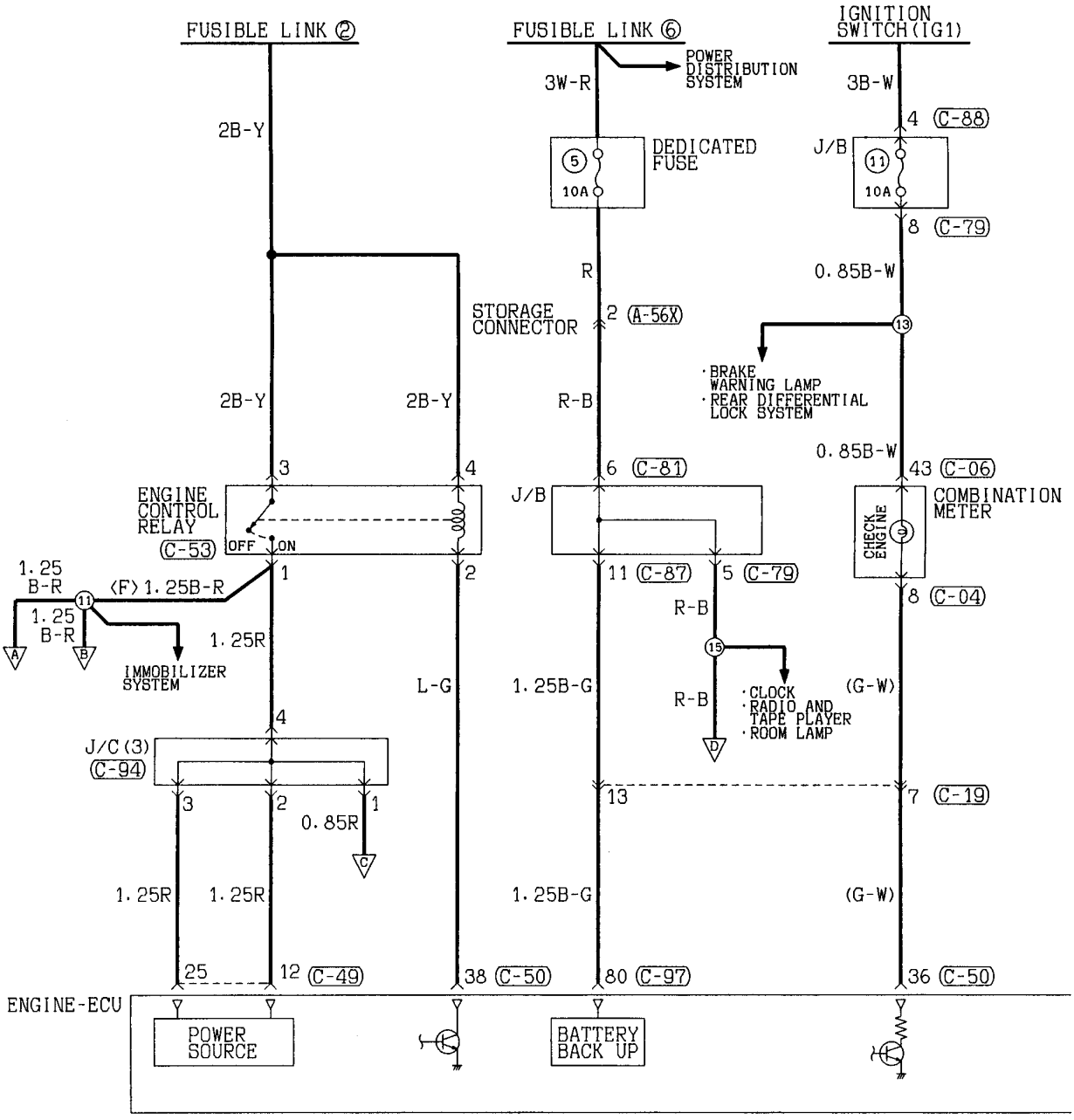


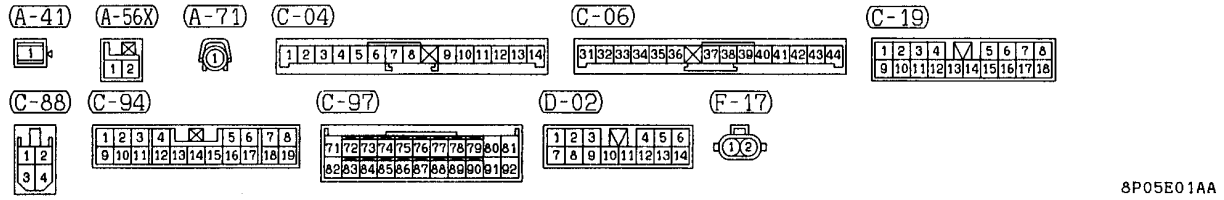
NOTES

MPI SYSTEM

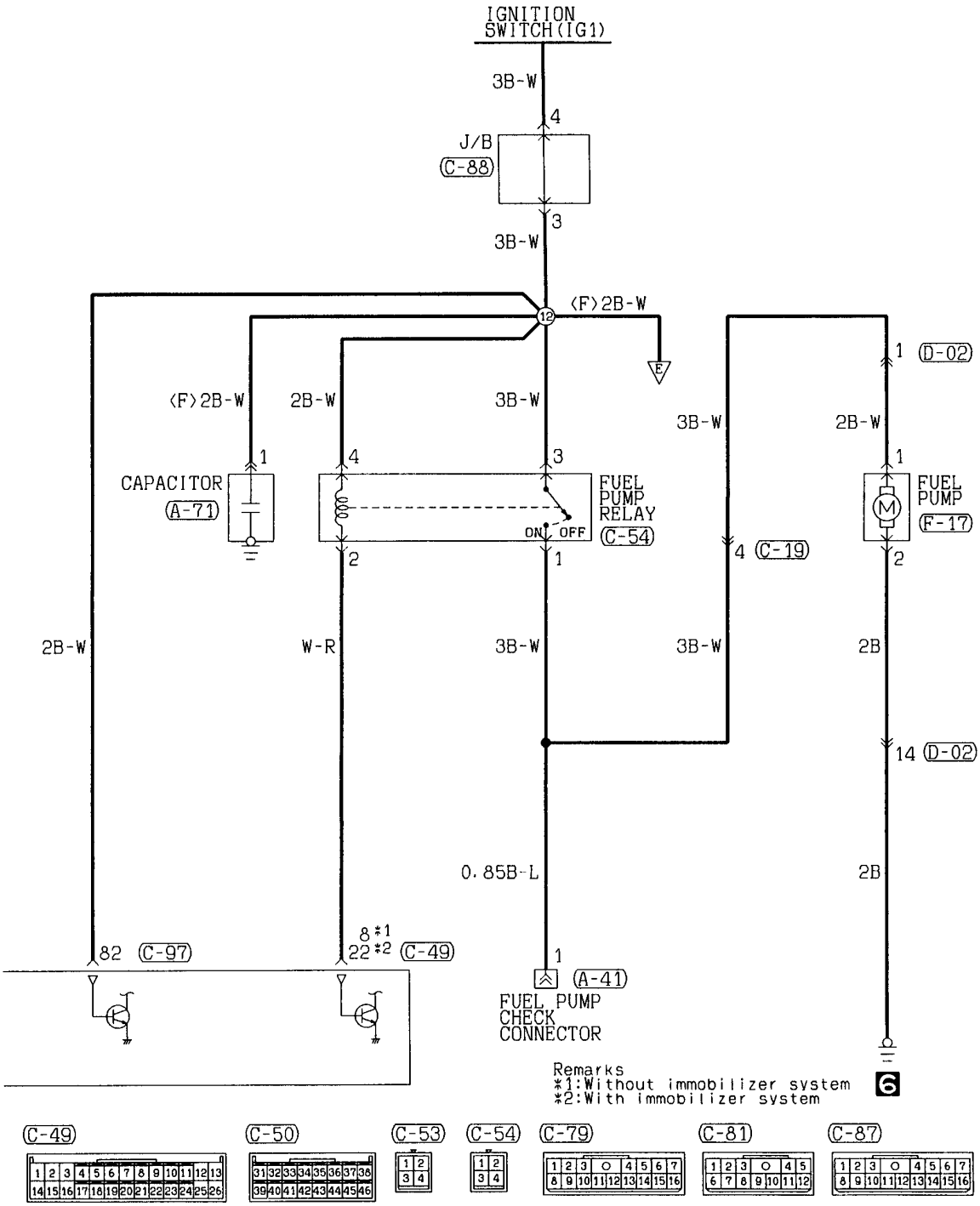
90100081442

1998 Models



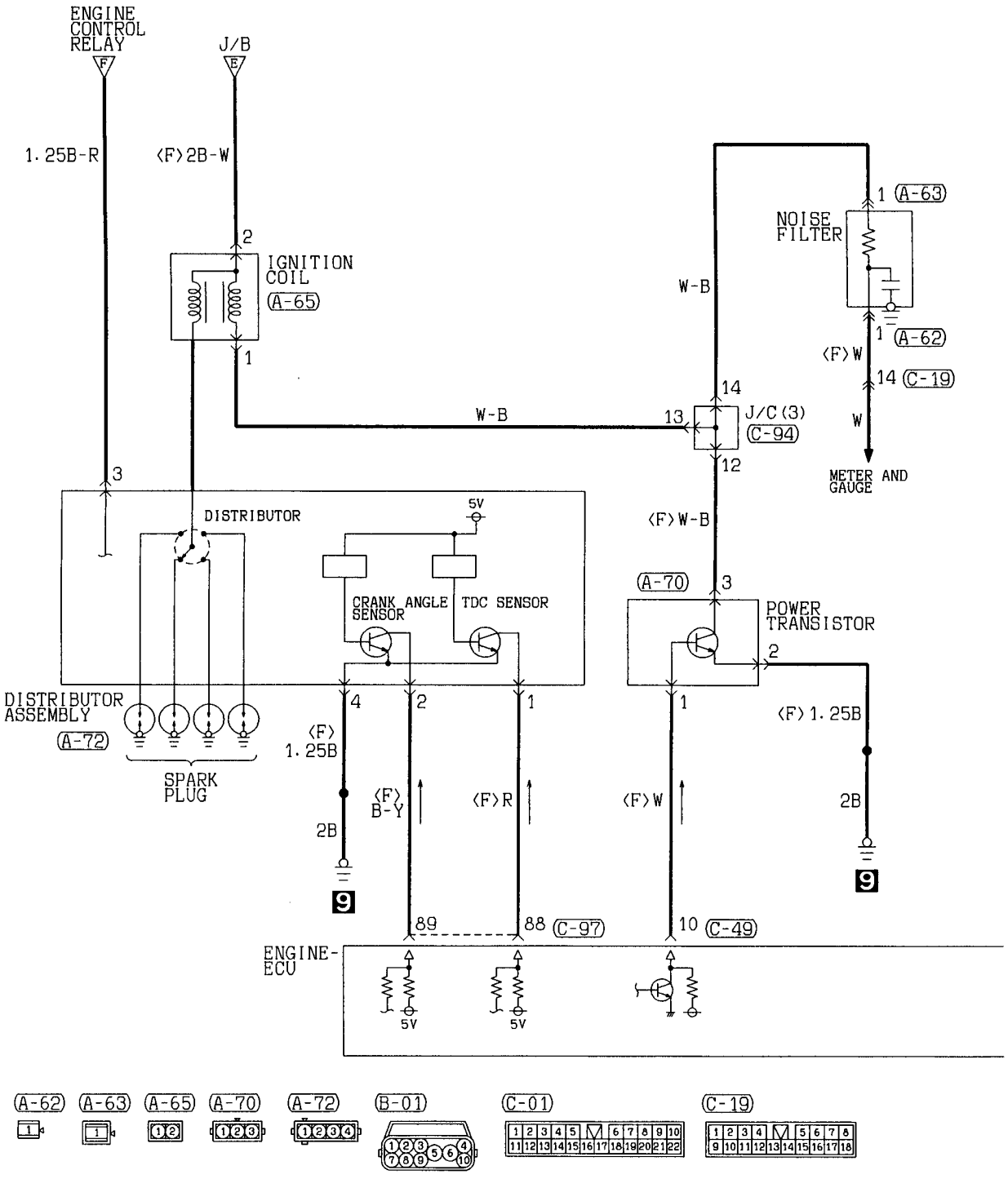


8P05E01AA

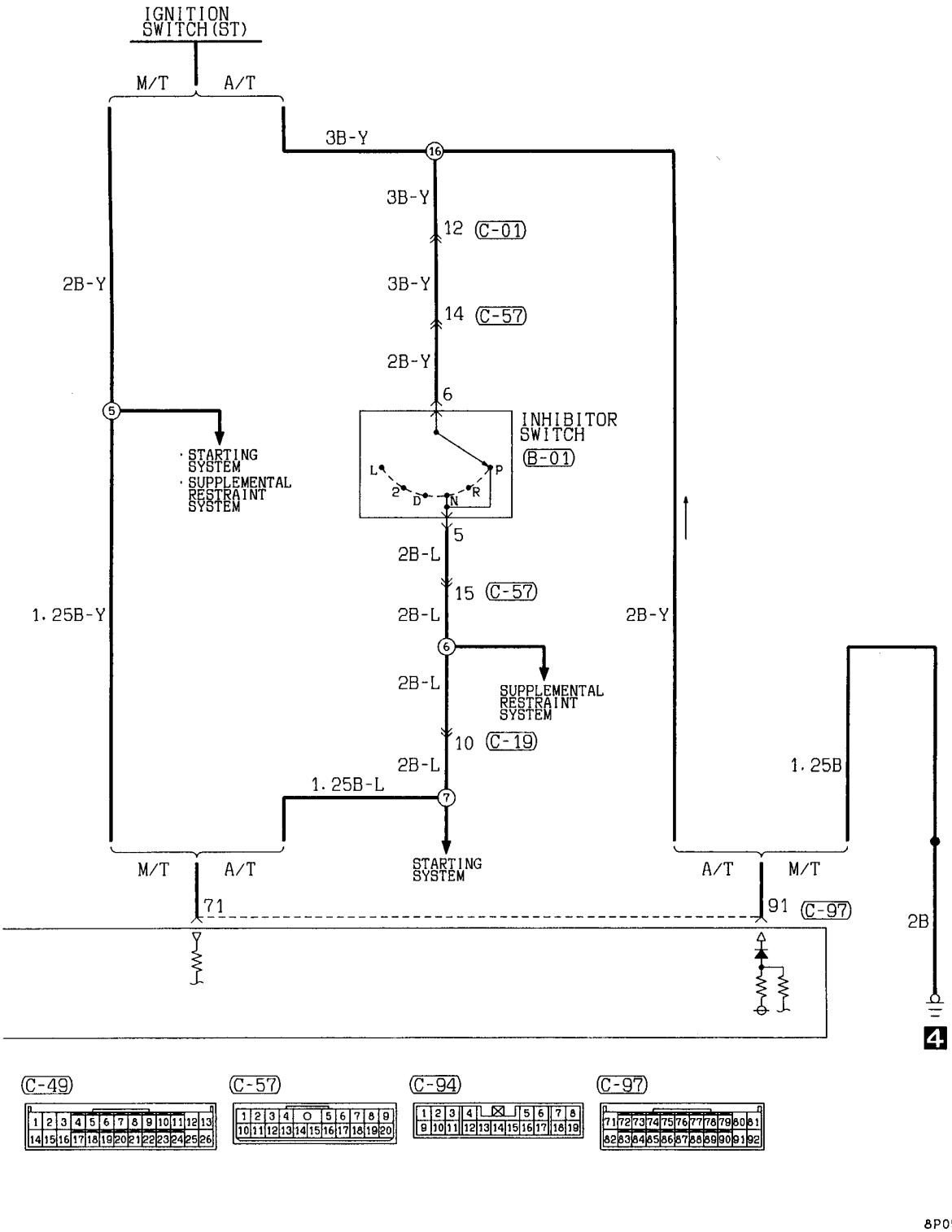

IGNITION SWITCH(IG1)
3B-W
4
J/B
C-88
3
3B-W
12
(F)2B-W
E
(F)2B-W
2B-W
3B-W
1
CAPACITOR
A-71
4
3
FUEL PUMP RELAY
ON OFF
C-54
2
1
3B-W
4 C-19
1 D-02
2B-W
1
FUEL PUMP
M
F-17
2
2B-W
W-R
3B-W
3B-W
2B
14 D-02
0.85B-L
2B
82 C-97
8 *1
22 *2 C-49
1
A-41
FUEL PUMP CHECK CONNECTOR
Remarks
*1:Without immobilizer system
*2:With immobilizer system
6
C-49
C-50
C-53
C-54
C-79
C-81
C-87

8P05E01AB

MPI SYSTEM <1998 Models> (CONTINUED)

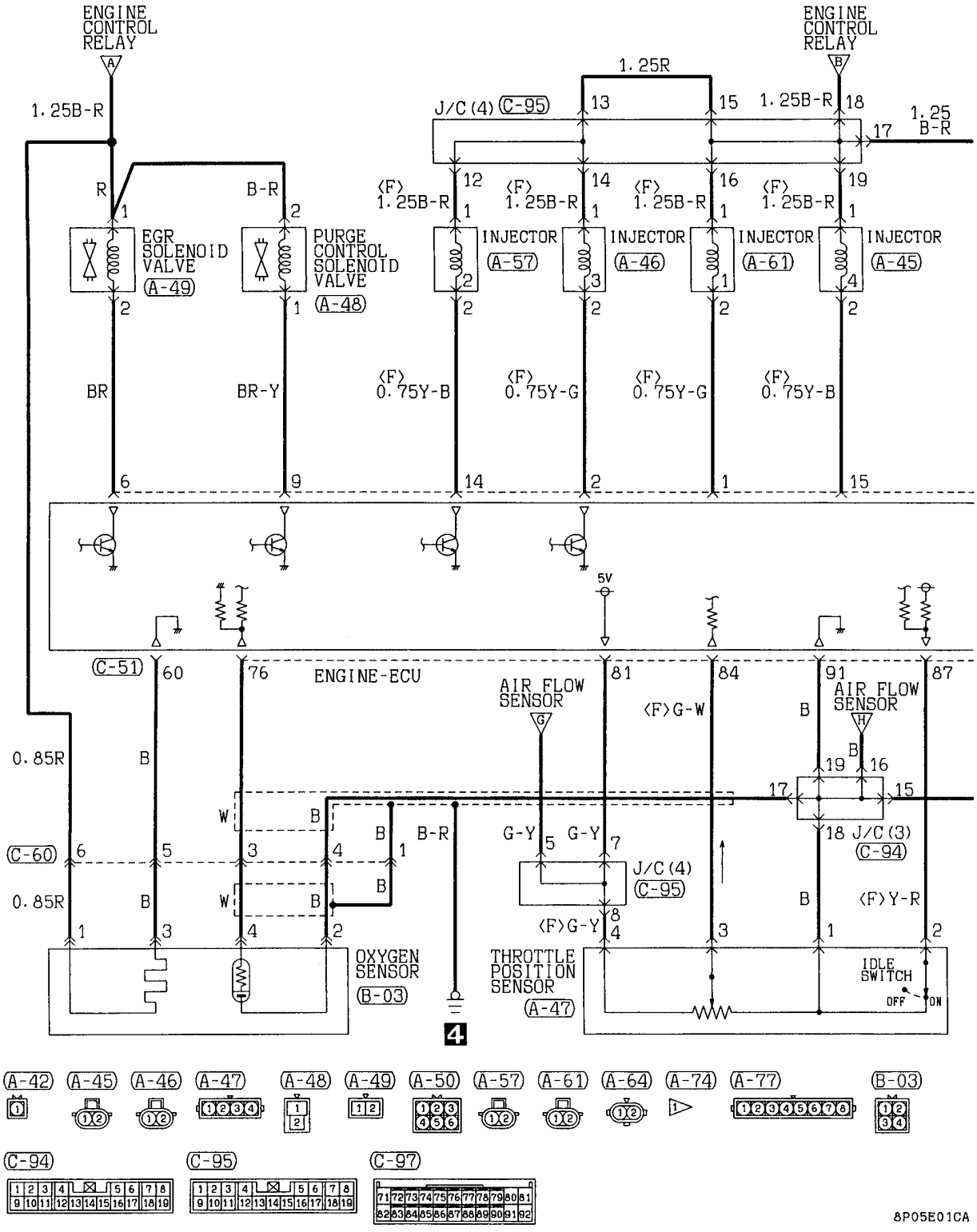


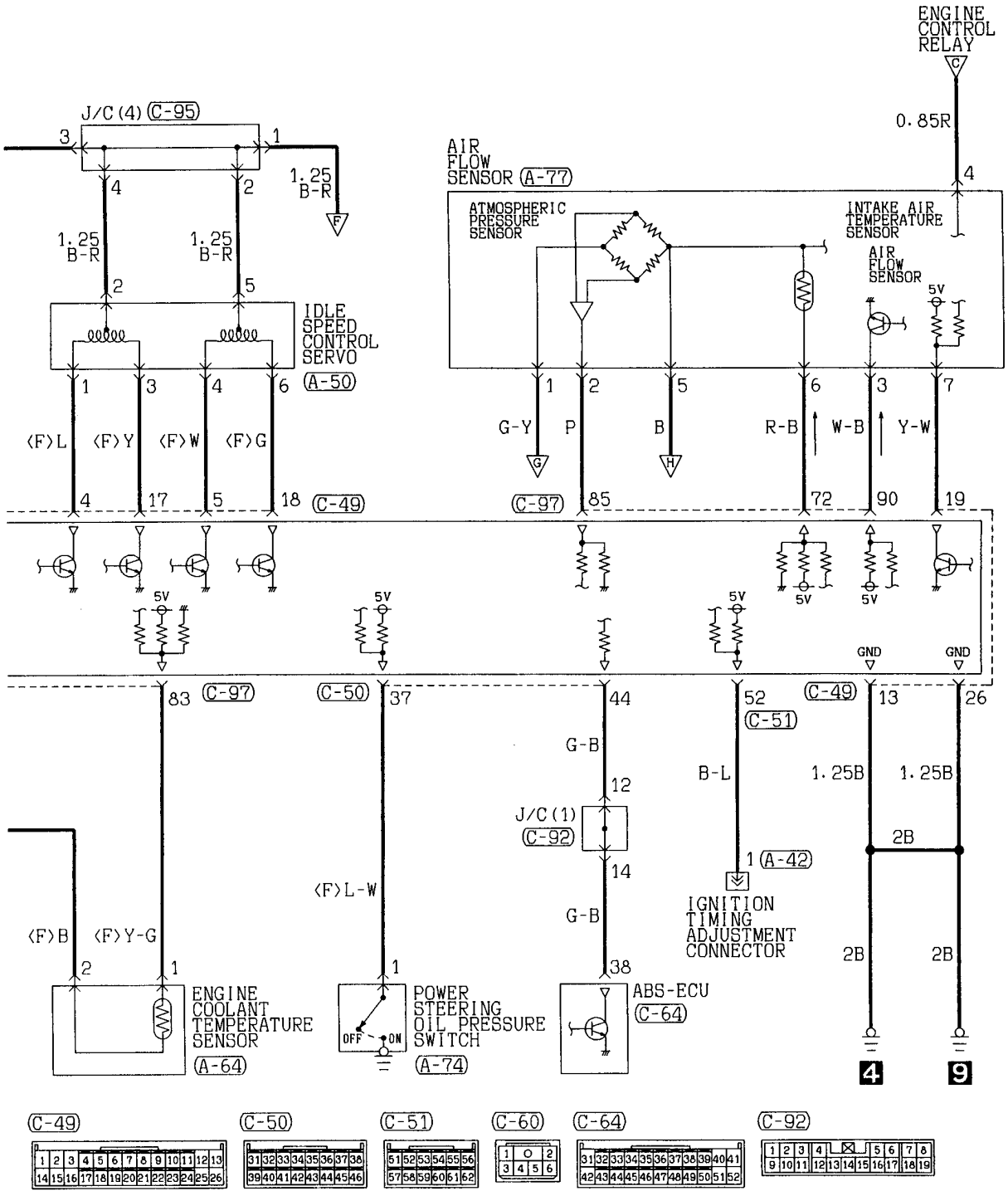
8P05E01BA


IGNITION SWITCH(ST)
M/T
A/T
3B-Y
16
3B-Y
12 (C-01)
2B-Y
3B-Y
14 (C-57)
2B-Y
6
5
INHIBITOR SWITCH
(B-01)
· STARTING SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
L
2
D
N
R
P
5
2B-L
15 (C-57)
1.25B-Y
2B-L
2B-Y
6
2B-L
SUPPLEMENTAL RESTRAINT SYSTEM
10 (C-19)
2B-L
1.25B
1.25B-L
7
STARTING SYSTEM
M/T
A/T
A/T
M/T
71
91 (C-97)
2B
4
(C-49)
(C-57)
(C-94)
(C-97)

8P05E01BB

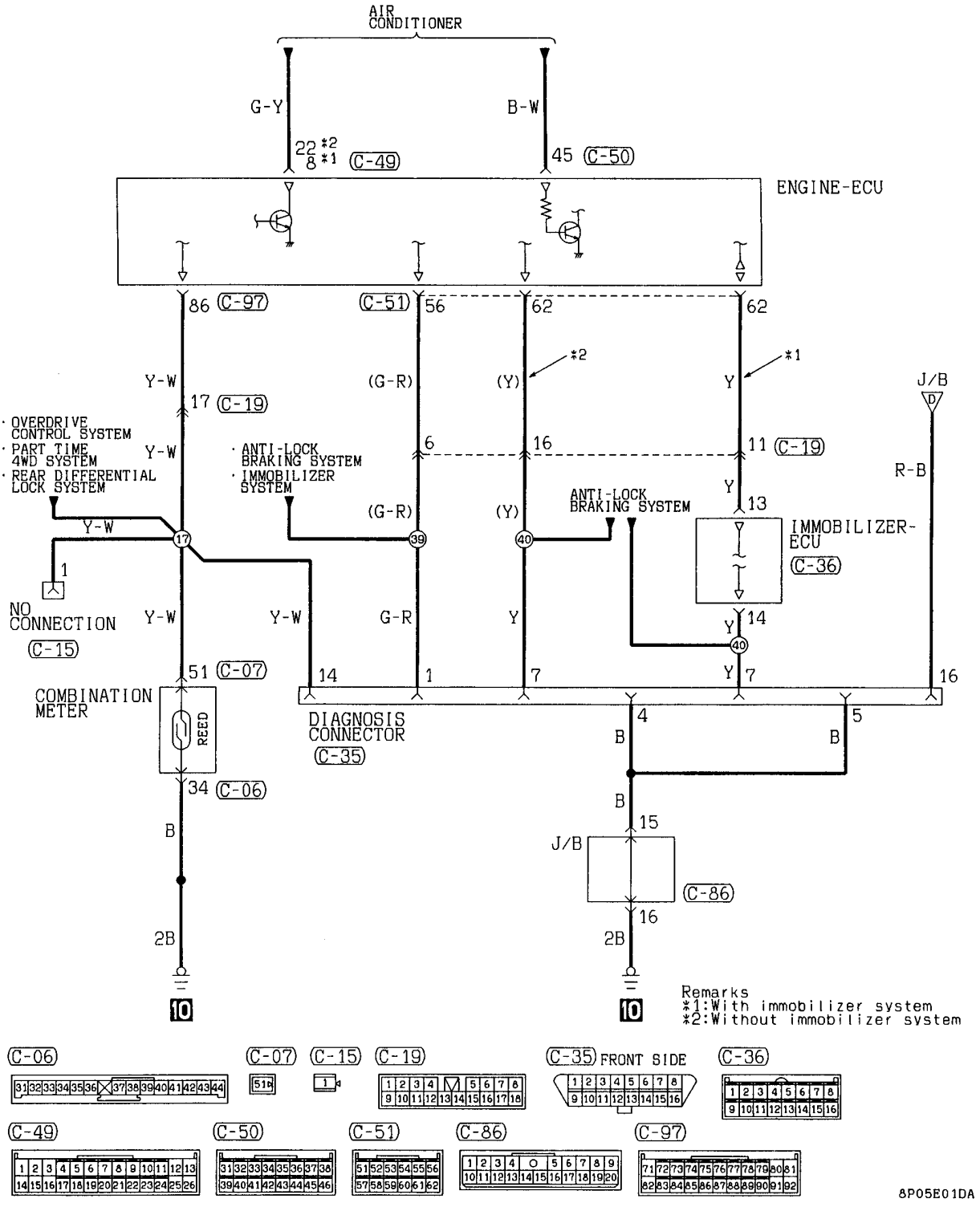
MPI SYSTEM <1998 Models> (CONTINUED)




ENGINE CONTROL RELAY
J/C (4) C-95
0.85R
AIR FLOW SENSOR A-77
ATMOSPHERIC PRESSURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
AIR FLOW SENSOR
1.25 B-R
IDLE SPEED CONTROL SERVO A-50
5V
G-Y
P
B
R-B
W-B
Y-W
C-97
C-49
C-50
C-51
C-92
C-64
A-42
A-64
A-74
GND
G-B
B-L
1.25B
2B
J/C (1) C-92
IGNITION TIMING ADJUSTMENT CONNECTOR
ENGINE COOLANT TEMPERATURE SENSOR
POWER STEERING OIL PRESSURE SWITCH
ABS-ECU C-64
OFF
ON

8P05E01CB

MPI SYSTEM <1998 Models> (CONTINUED)

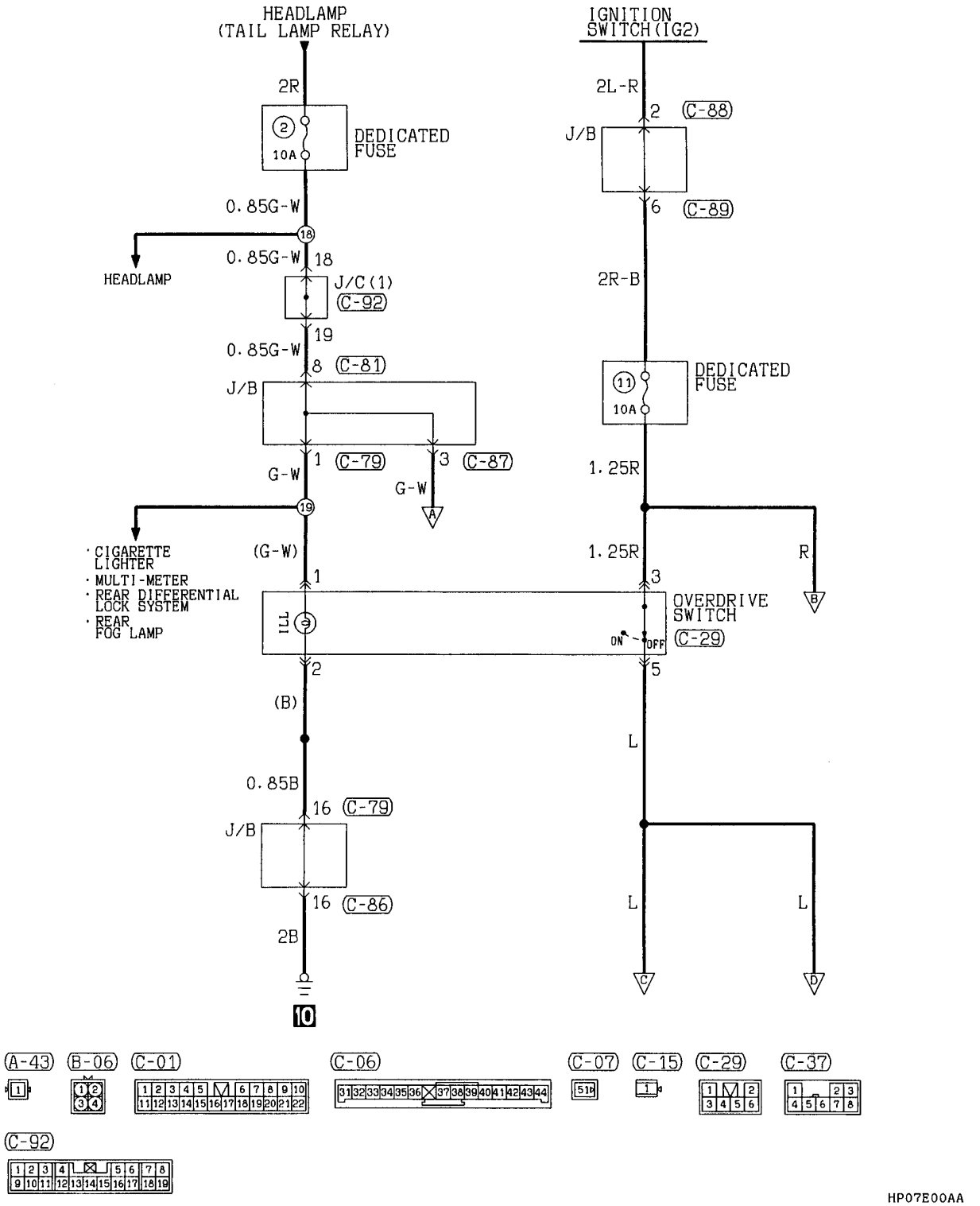


NOTES

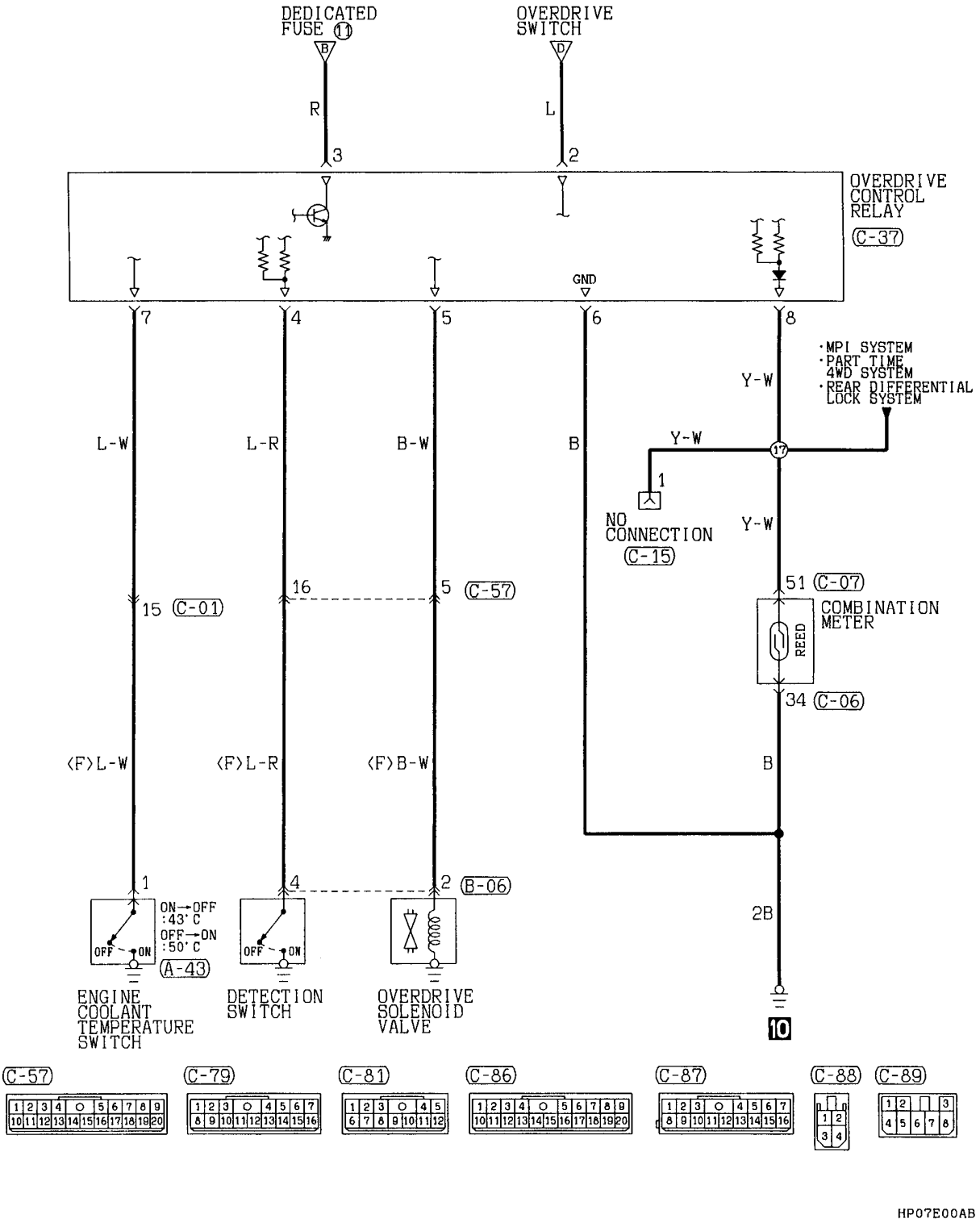
OVERDRIVE CONTROL SYSTEM

90100130054

4G63 <1997 Models>

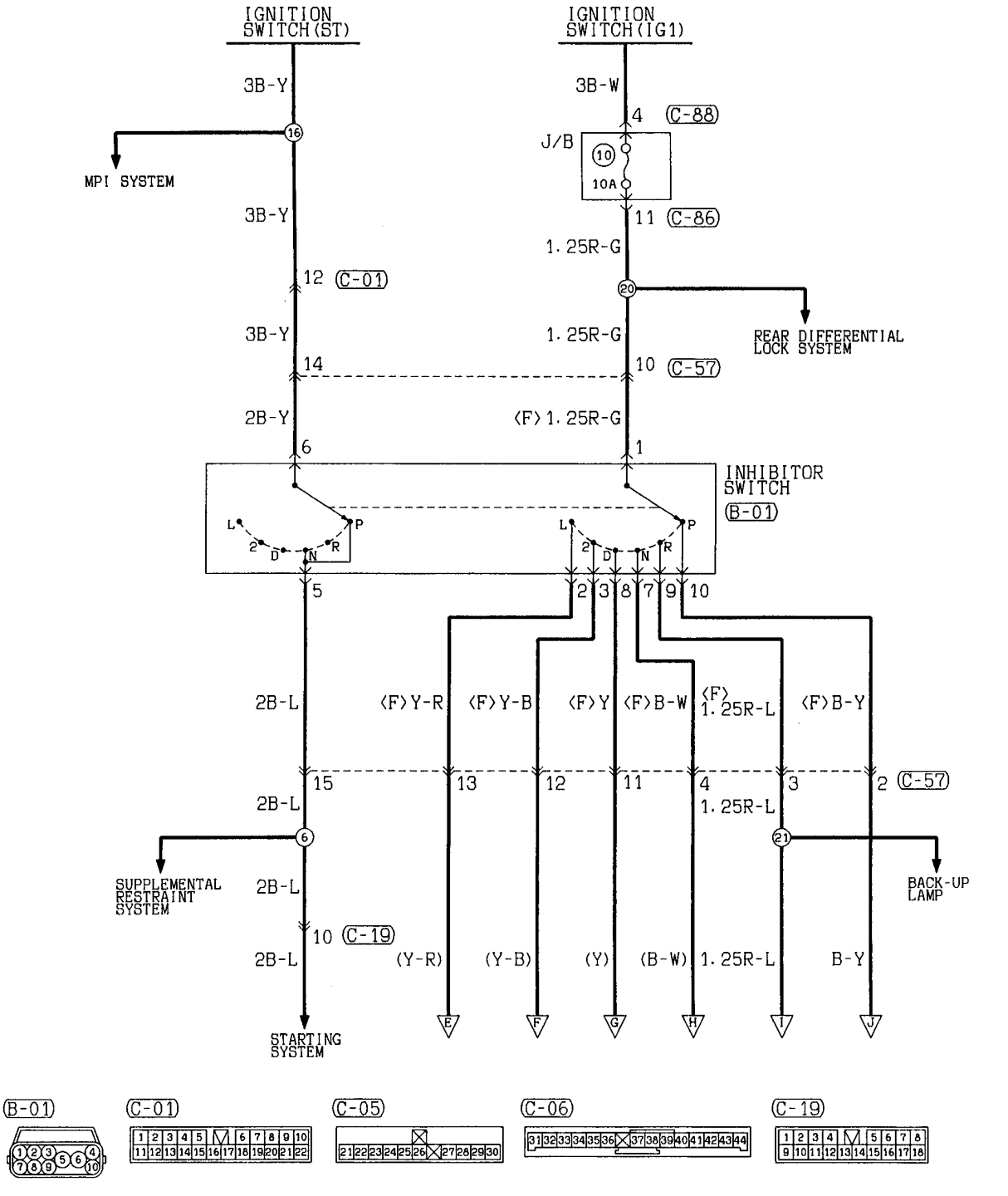


HP07E00AA

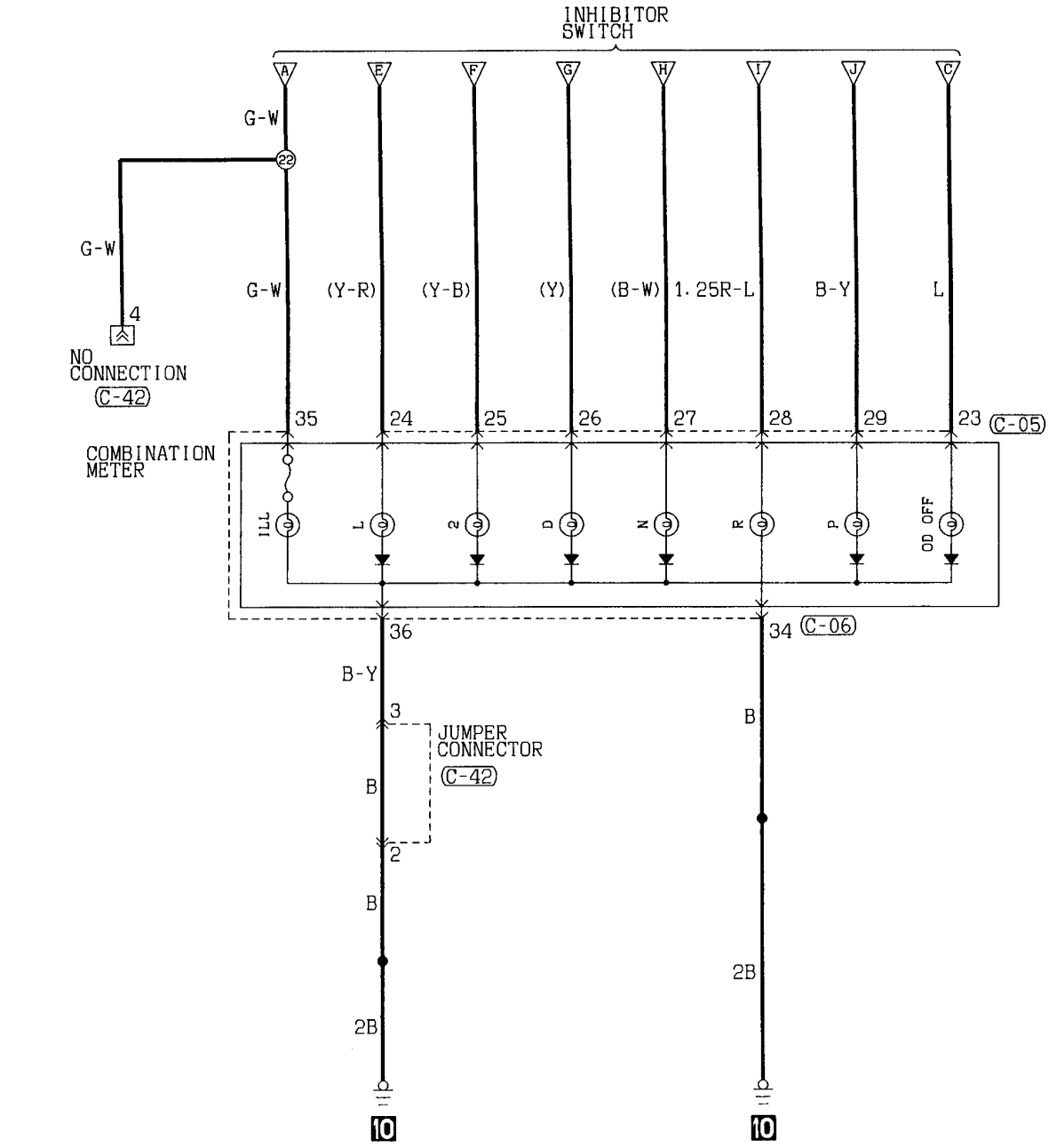

DEDICATED FUSE (11)
OVERDRIVE SWITCH
R
L
3
2
OVERDRIVE CONTROL RELAY
(C-37)
GND
7
4
5
6
8
·MPI SYSTEM
·PART TIME 4WD SYSTEM
·REAR DIFFERENTIAL LOCK SYSTEM
Y-W
L-W
L-R
B-W
B
Y-W
17
1
NO CONNECTION
(C-15)
Y-W
15 (C-01)
16
5 (C-57)
51 (C-07)
COMBINATION METER
REED
34 (C-06)
⟨F⟩L-W
⟨F⟩L-R
⟨F⟩B-W
B
1
4
2 (B-06)
ON→OFF :43°C
OFF→ON :50°C
OFF
ON
(A-43)
2B
10
ENGINE COOLANT TEMPERATURE SWITCH
DETECTION SWITCH
OVERDRIVE SOLENOID VALVE
(C-57)
(C-79)
(C-81)
(C-86)
(C-87)
(C-88)
(C-89)

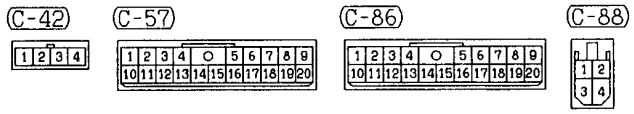
HP07E00AB

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



HP07E00BA


INHIBITOR SWITCH
A
E
F
G
H
I
J
C
G-W
22
G-W
4
NO CONNECTION
C-42
G-W
(Y-R)
(Y-B)
(Y)
(B-W)
1.25R-L
B-Y
L
35
24
25
26
27
28
29
23
C-05
COMBINATION METER
ILL
L
2
D
N
R
P
OD OFF
36
34
C-06
B-Y
3
JUMPER CONNECTOR
C-42
B
2
B
2B
B
2B
10
10

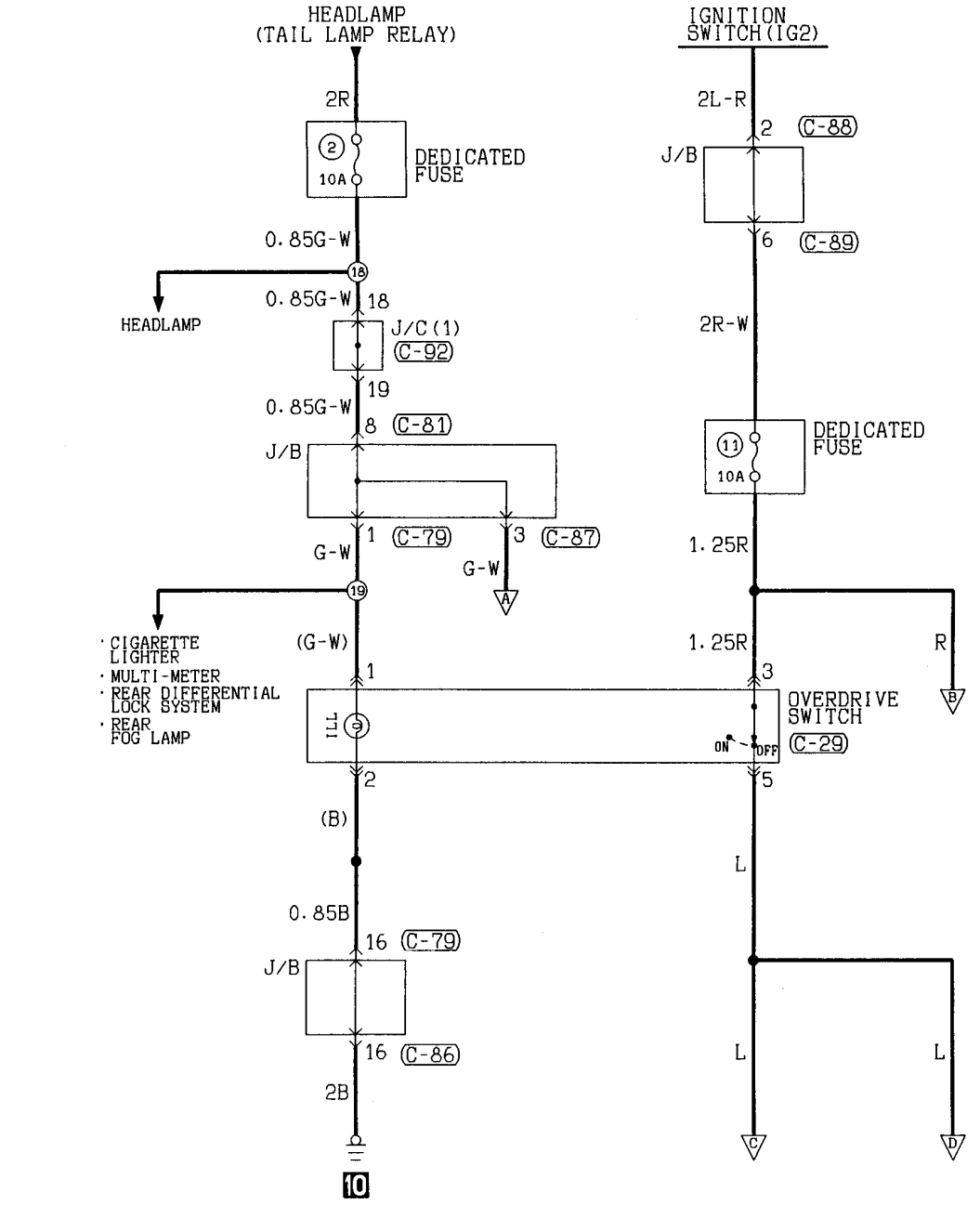

C-42
C-57
C-86
C-88

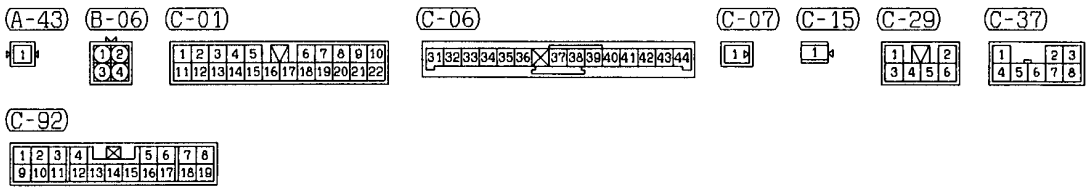
HP07E00BB

OVERDRIVE CONTROL SYSTEM

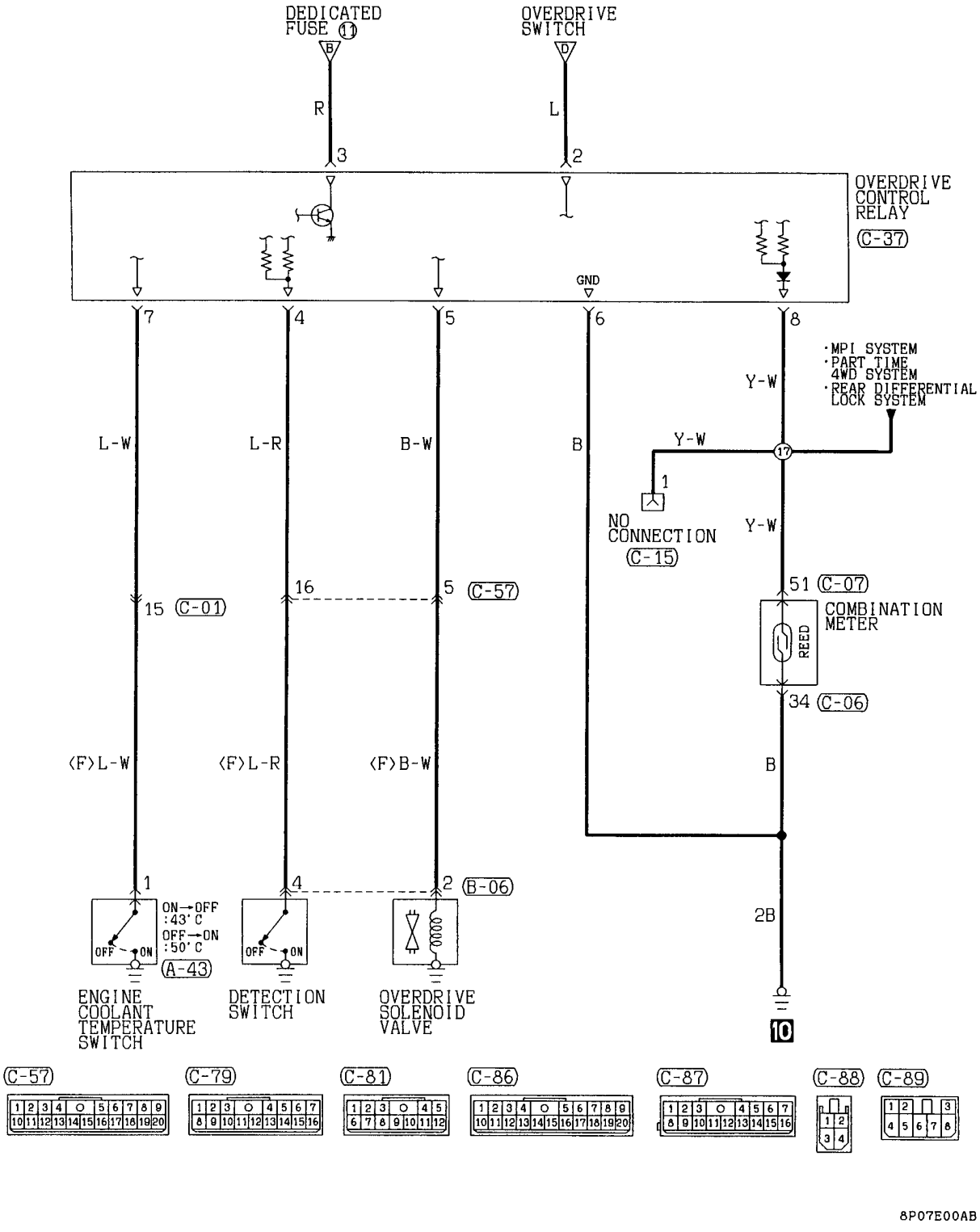
90100130085

4G63 <1998 Models>



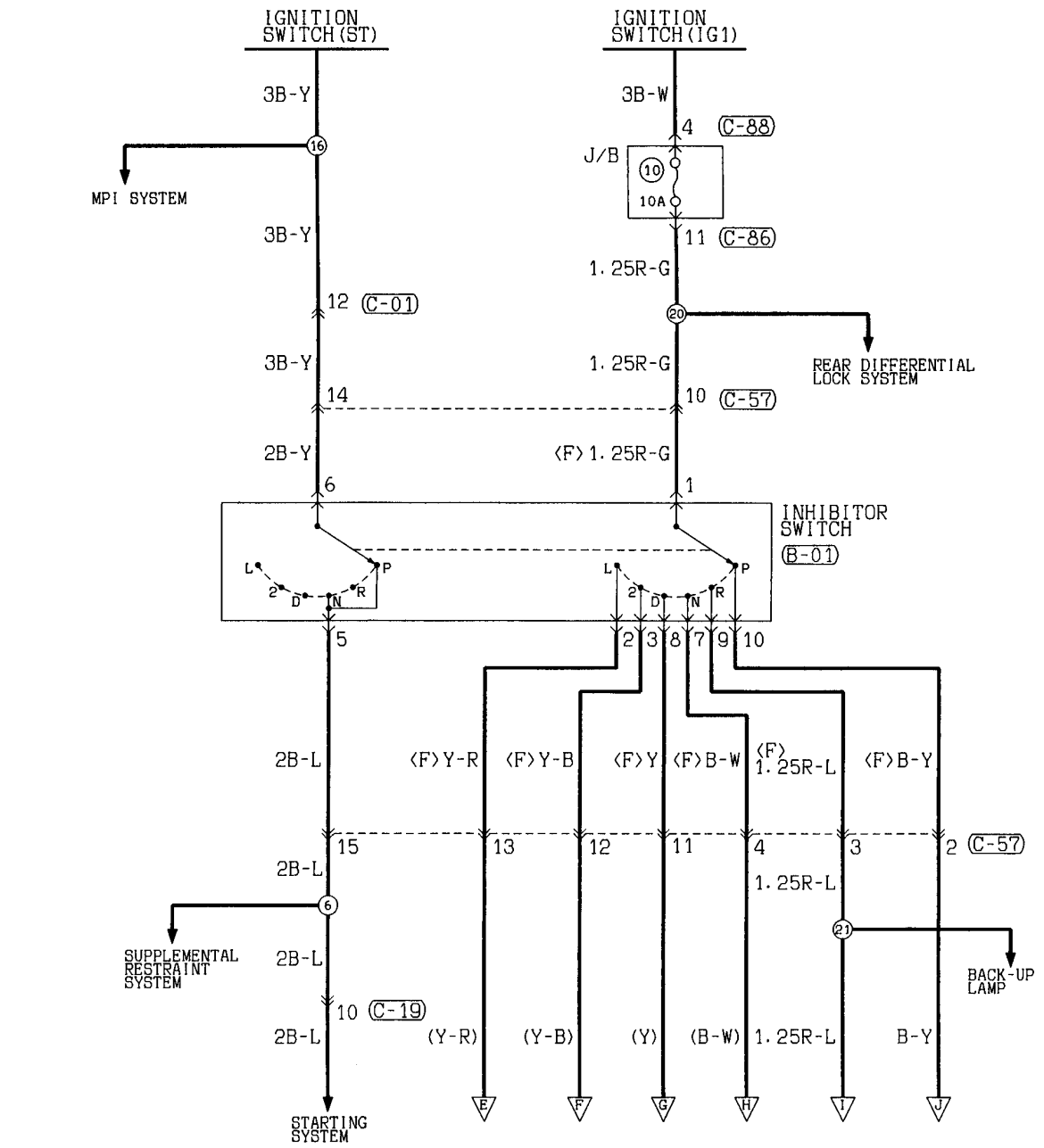


8P07E00AA

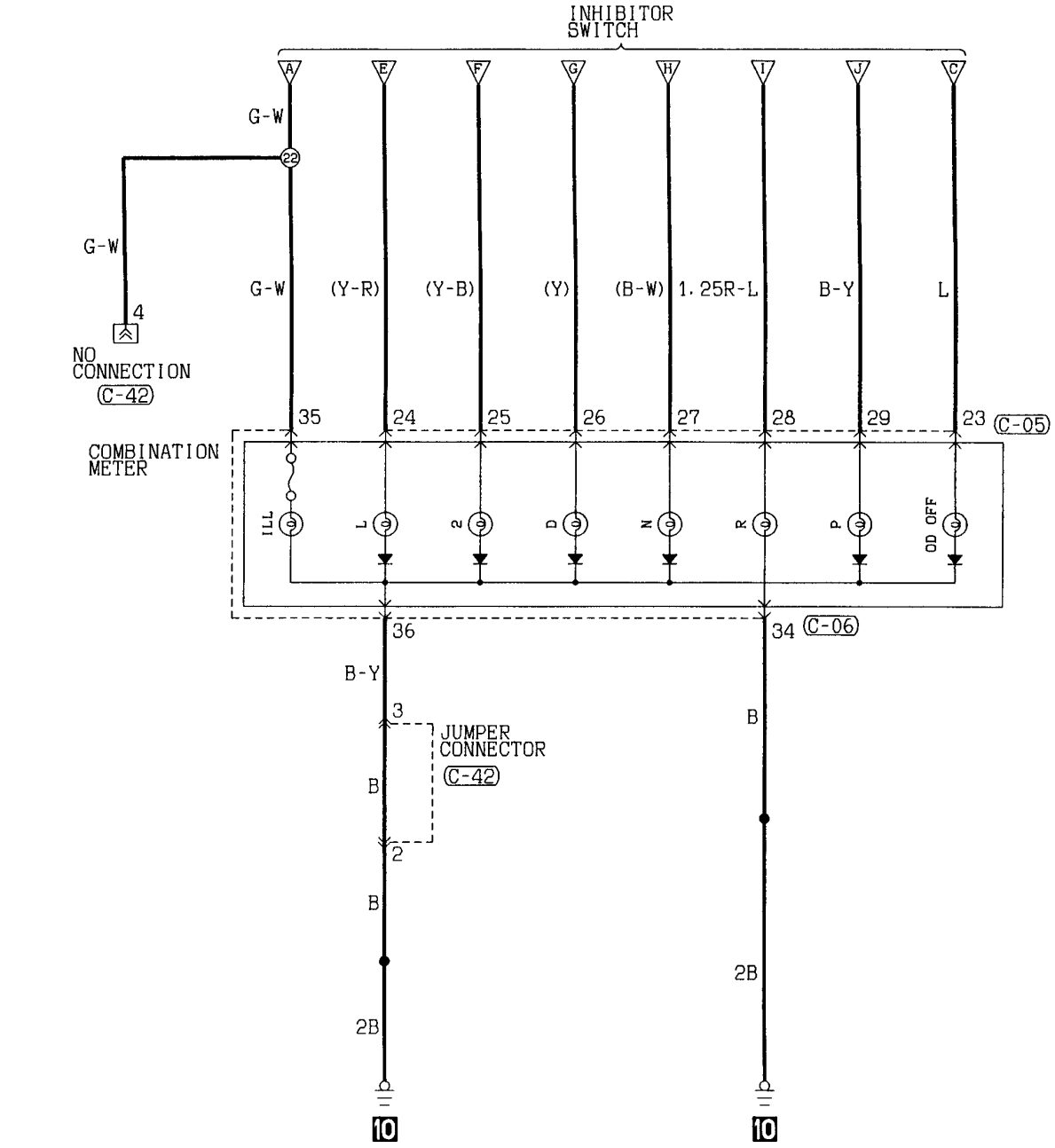

DEDICATED FUSE 11
OVERDRIVE SWITCH
R
L
3
2
OVERDRIVE CONTROL RELAY
C-37
GND
7
4
5
6
8
·MPI SYSTEM
·PART TIME 4WD SYSTEM
·REAR DIFFERENTIAL LOCK SYSTEM
Y-W
L-W
L-R
B-W
B
Y-W
17
1
NO CONNECTION
C-15
Y-W
15
C-01
16
5
C-57
51
C-07
COMBINATION METER
REED
34
C-06
⟨F⟩L-W
⟨F⟩L-R
⟨F⟩B-W
B
1
4
2
B-06
2B
ON→OFF :43°C
OFF→ON :50°C
OFF
ON
A-43
10
ENGINE COOLANT TEMPERATURE SWITCH
DETECTION SWITCH
OVERDRIVE SOLENOID VALVE
C-57
C-79
C-81
C-86
C-87
C-88
C-89

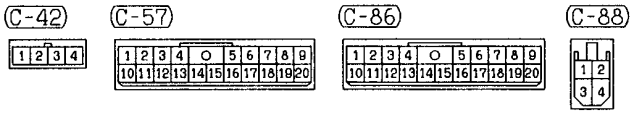
8P07E00AB

OVERDRIVE CONTROL SYSTEM <4G63 (1998 Models)> (CONTINUED)



8P07E00BA


INHIBITOR SWITCH
A
E
F
G
H
I
J
C
G-W
22
G-W
4
NO CONNECTION
C-42
G-W
(Y-R)
(Y-B)
(Y)
(B-W)
1.25R-L
B-Y
L
35
24
25
26
27
28
29
23
C-05
COMBINATION METER
ILL
L
2
D
N
R
P
OD OFF
36
34
C-06
B-Y
3
JUMPER CONNECTOR
C-42
B
2
B
2B
B
2B
10
10

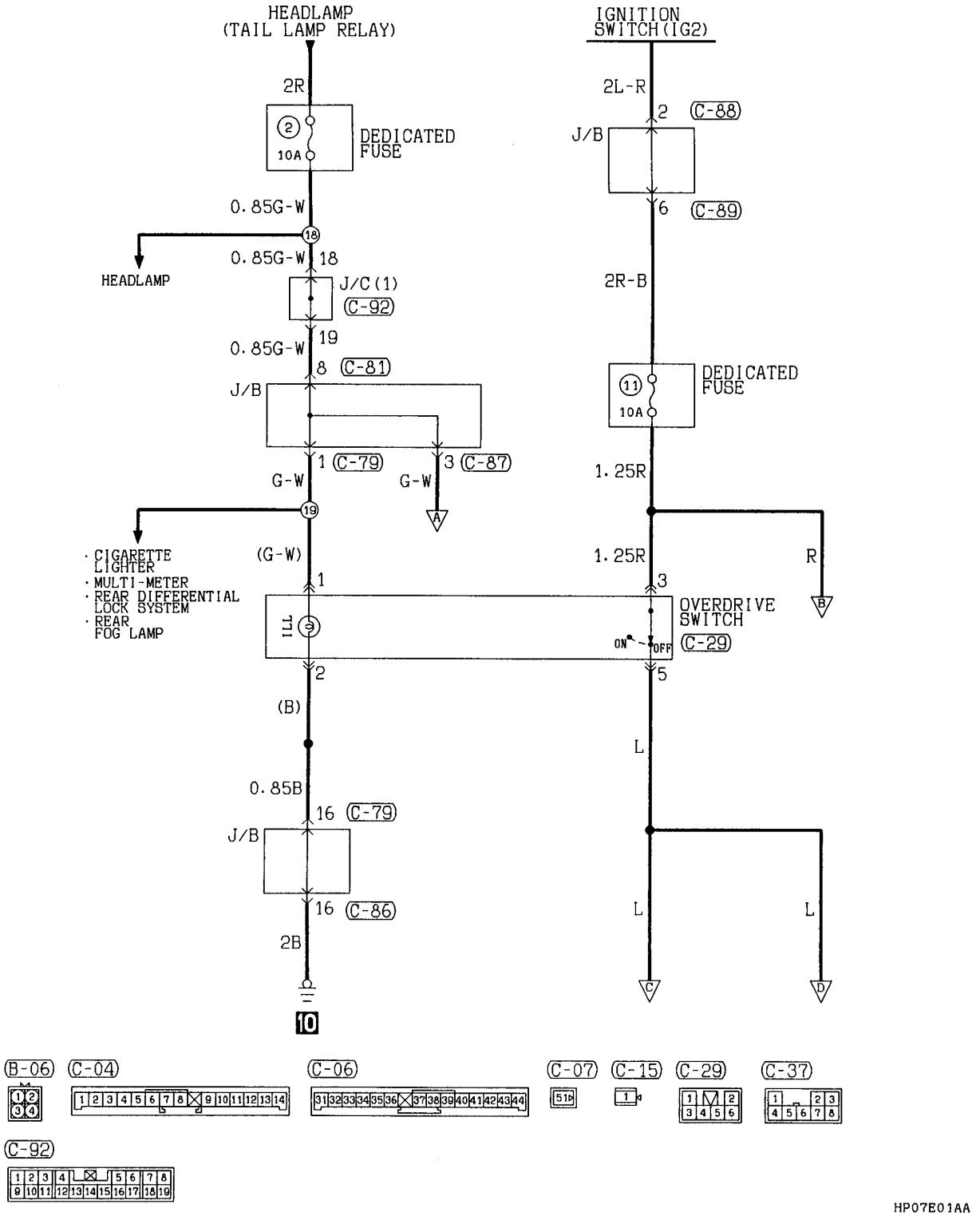

C-42
C-57
C-86
C-88

8P07E00BB

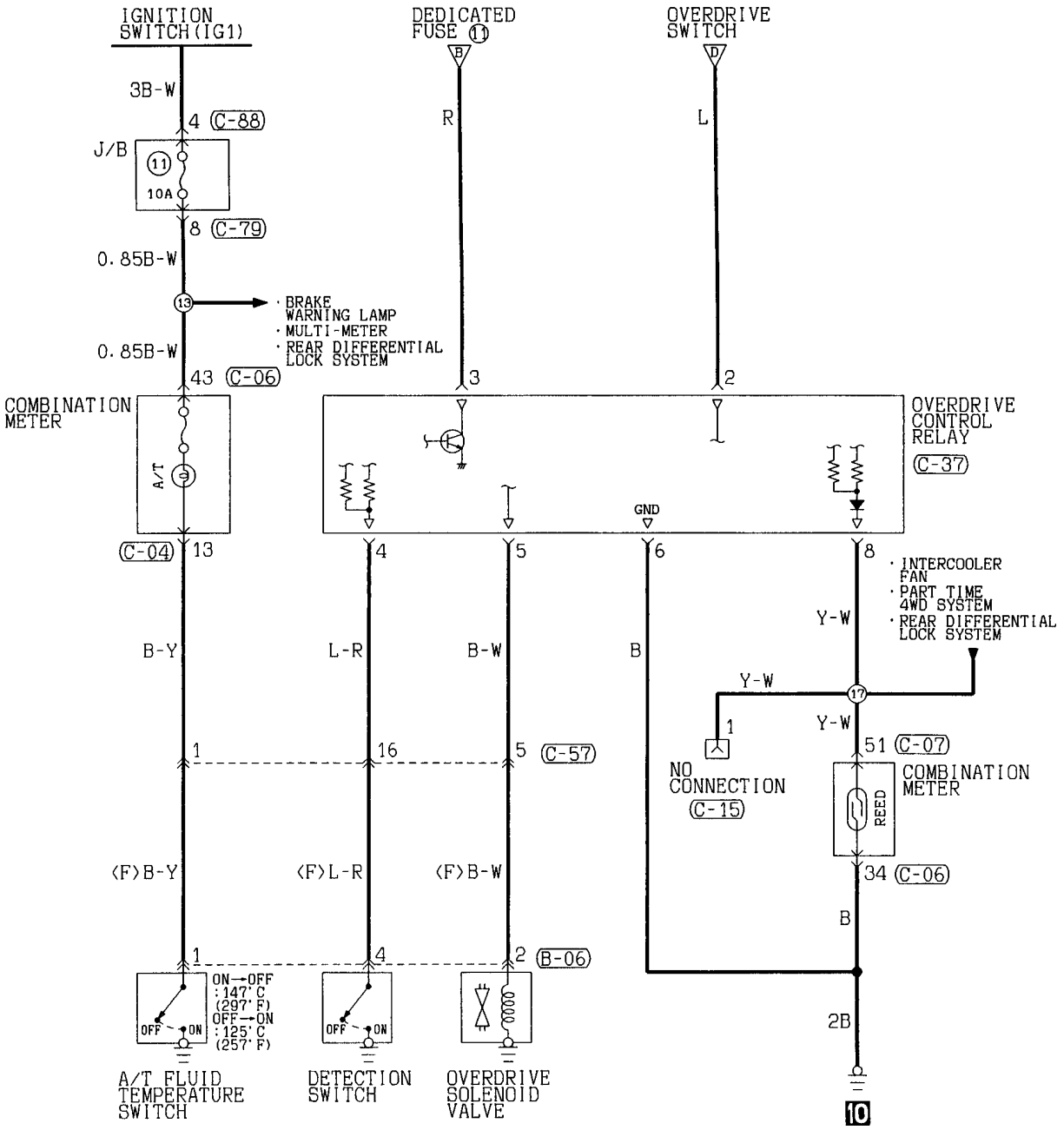
OVERDRIVE CONTROL SYSTEM

90100130061

4D56 <1997 Models>

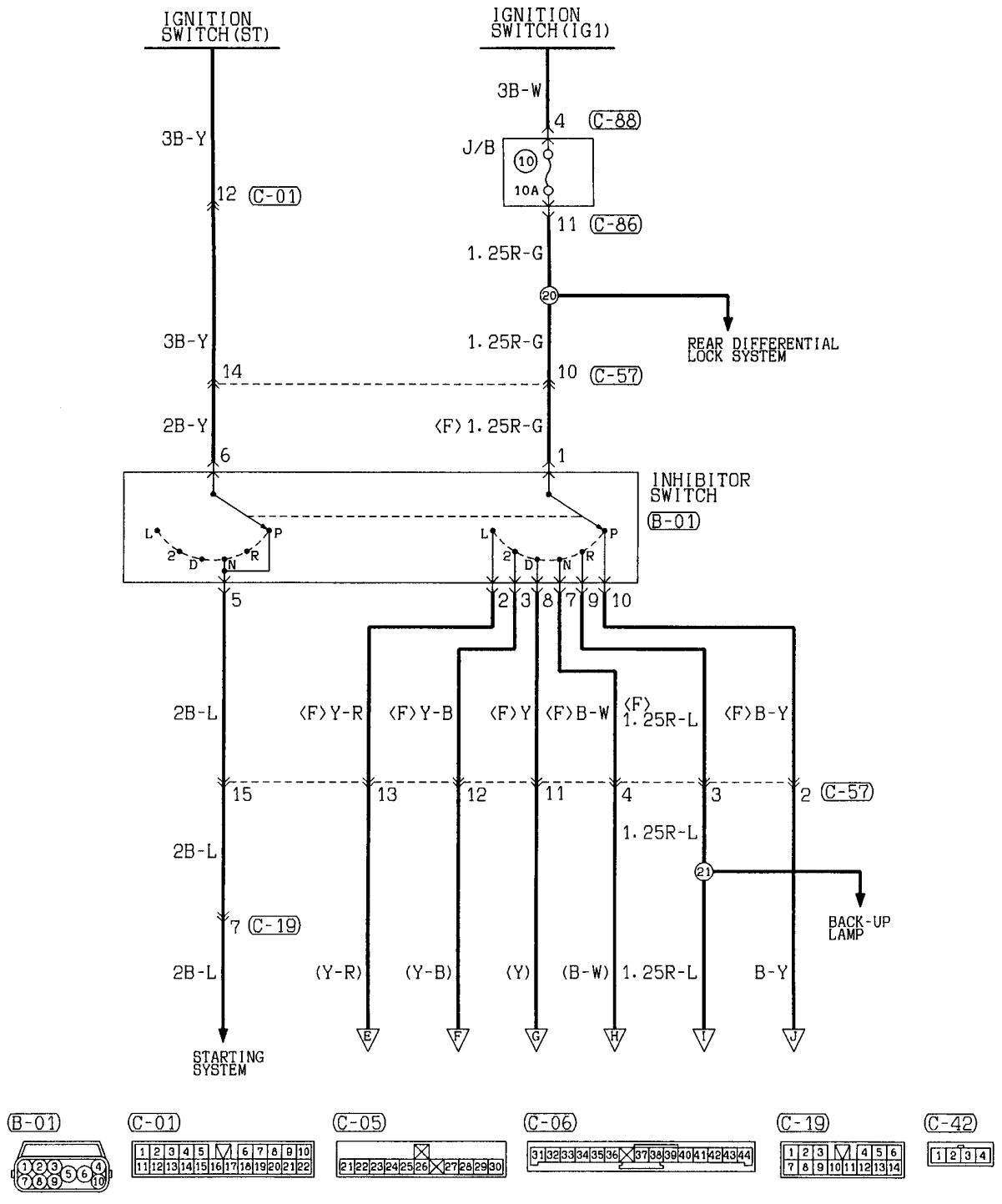


HP07E01AA

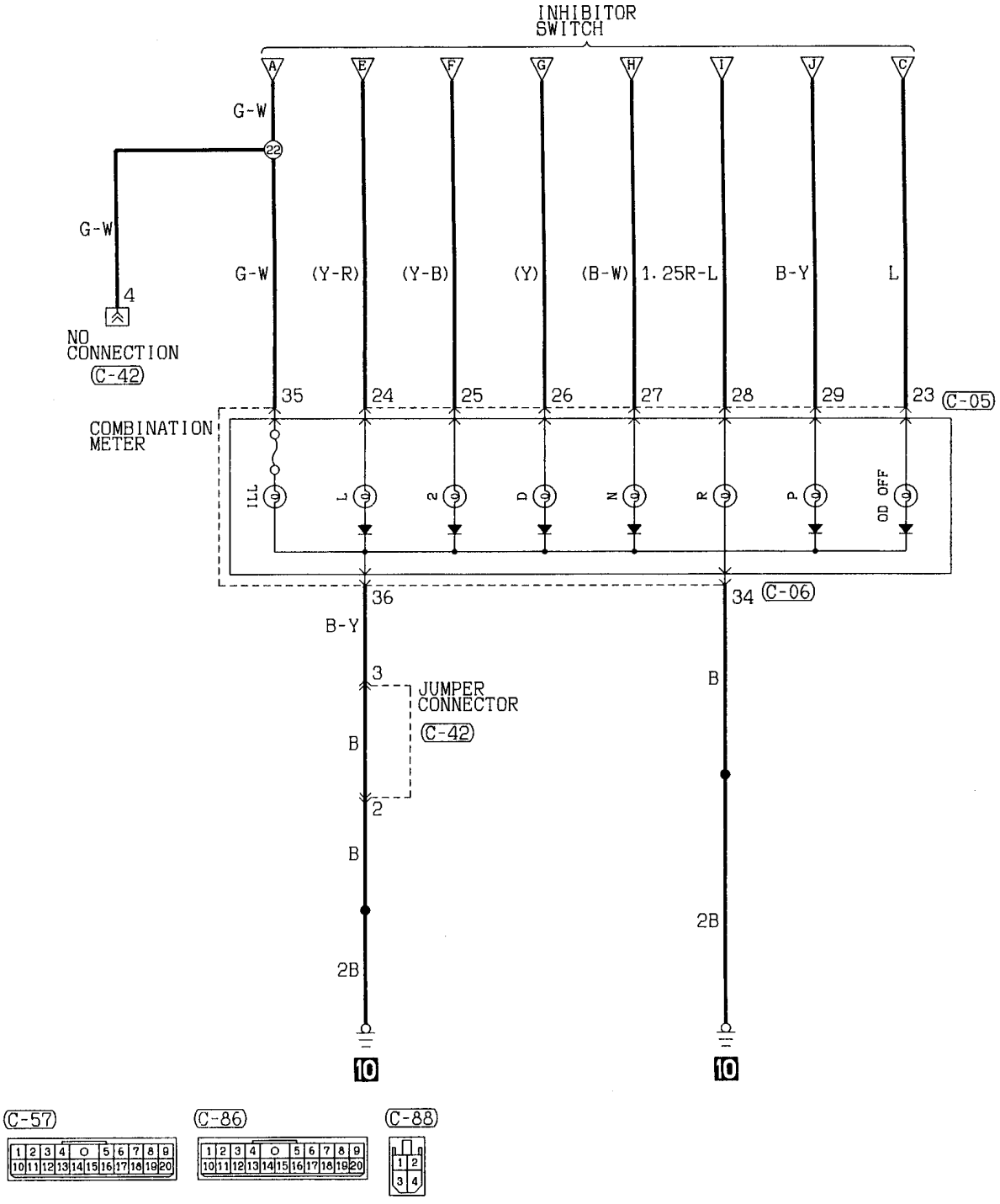

IGNITION SWITCH(IG1)
DEDICATED FUSE 11
OVERDRIVE SWITCH
3B-W
4 C-88
J/B
11
10A
8 C-79
0.85B-W
13
· BRAKE WARNING LAMP
· MULTI-METER
· REAR DIFFERENTIAL LOCK SYSTEM
0.85B-W
43 C-06
R
L
3
2
COMBINATION METER
A/T
9
OVERDRIVE CONTROL RELAY
C-37
GND
C-04 13
4
5
6
8
· INTERCOOLER FAN
· PART TIME 4WD SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
B-Y
L-R
B-W
B
Y-W
Y-W
17
1
Y-W
1
16
5 C-57
51 C-07
NO CONNECTION
C-15
REED
COMBINATION METER
(F)B-Y
(F)L-R
(F)B-W
34 C-06
B
1
4
2 B-06
2B
ON→OFF : 147°C (297°F)
OFF→ON : 125°C (257°F)
OFF
ON
10
A/T FLUID TEMPERATURE SWITCH
DETECTION SWITCH
OVERDRIVE SOLENOID VALVE
C-57
C-79
C-81
C-86
C-87
C-88
C-89

HP07E01AB

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



HP07E01BA

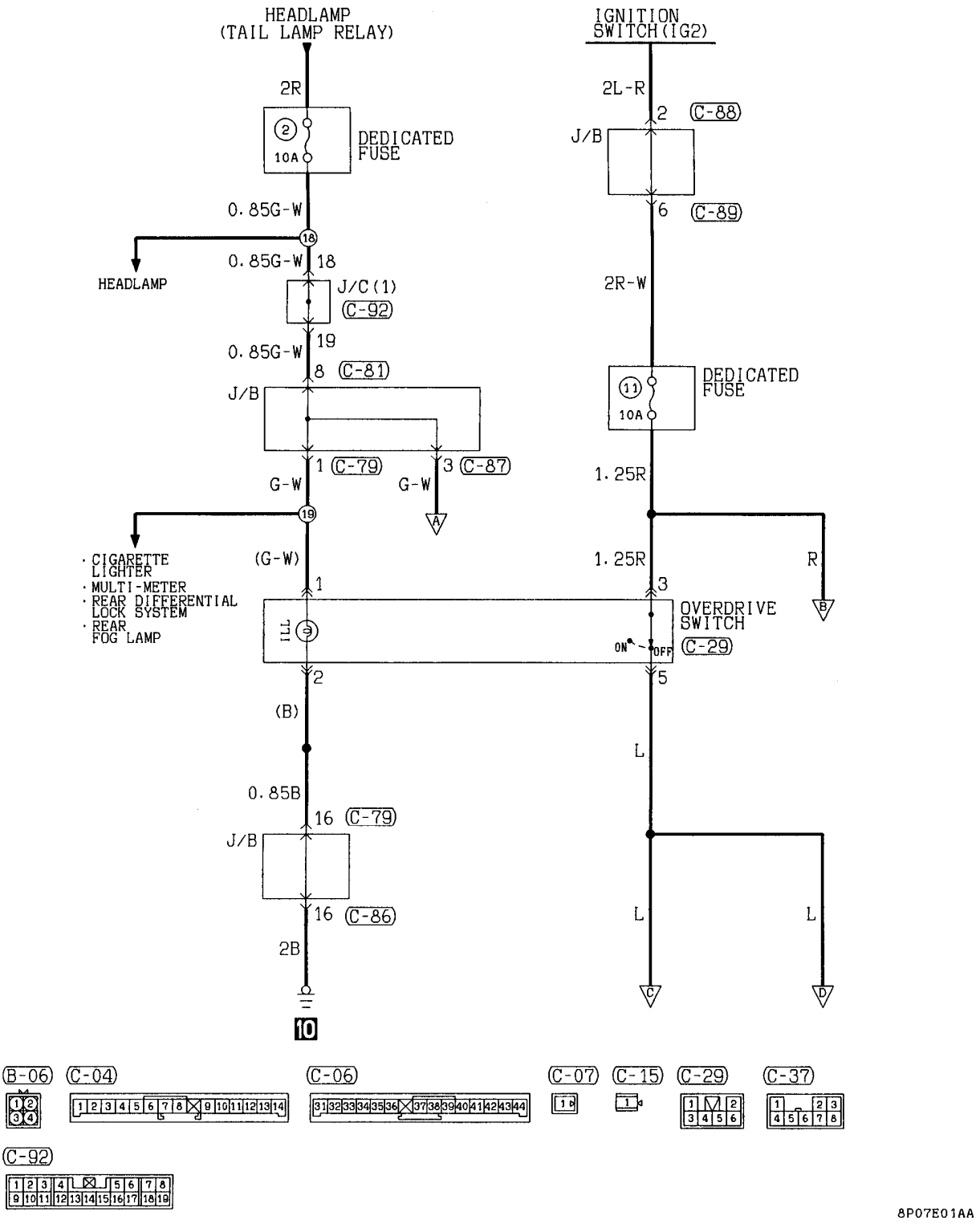

INHIBITOR SWITCH
A
E
F
G
H
I
J
C
G-W
22
G-W
4
NO CONNECTION
C-42
G-W
(Y-R)
(Y-B)
(Y)
(B-W)
1.25R-L
B-Y
L
35
24
25
26
27
28
29
23
C-05
COMBINATION METER
ILL
L
2
D
N
R
P
OD OFF
36
34
C-06
B-Y
3
JUMPER CONNECTOR
C-42
B
2
B
2B
B
2B
10
10
C-57
C-86
C-88

HP07E01BB

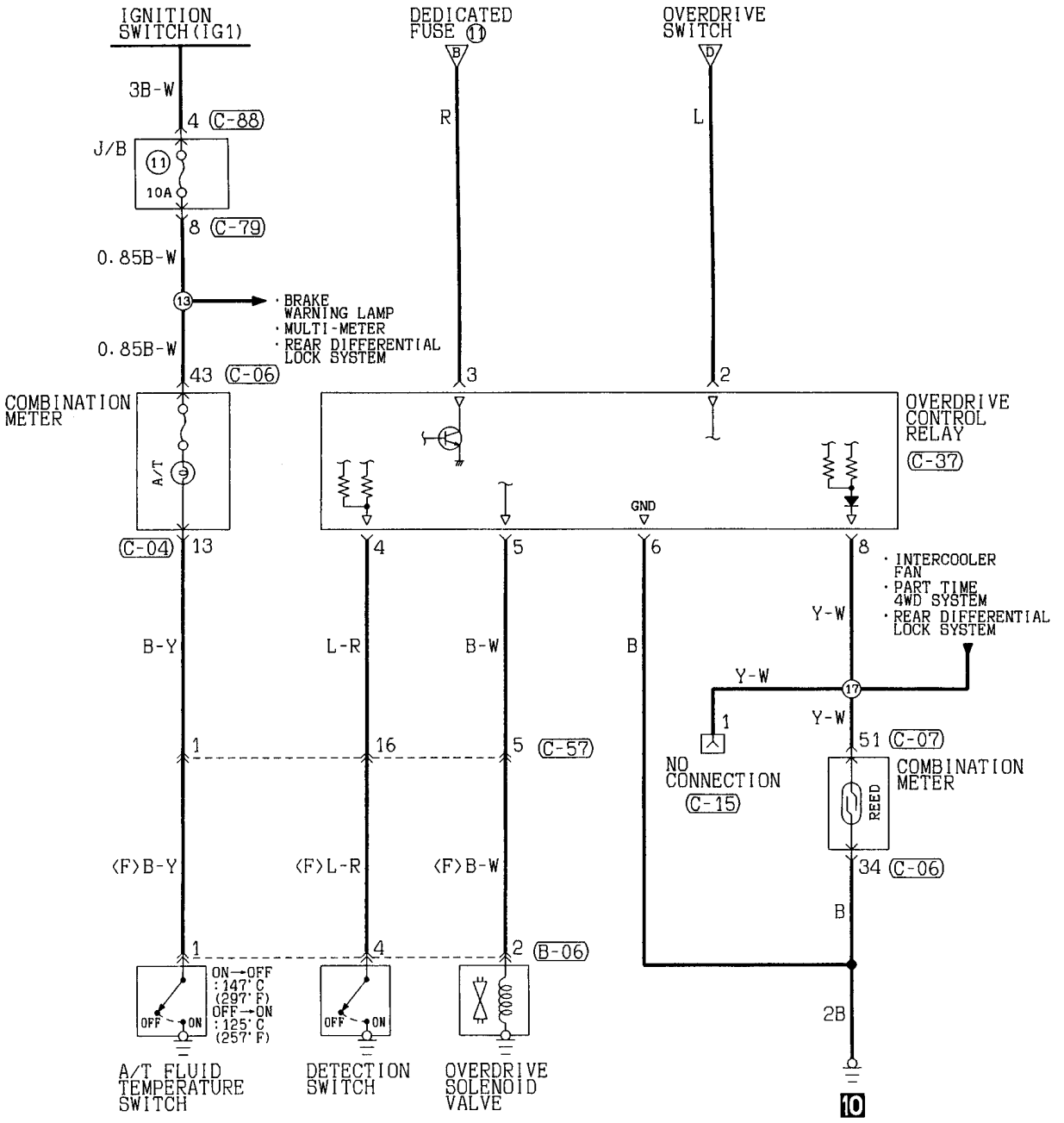
OVERDRIVE CONTROL SYSTEM

90100130092

4D56 <1998 Models>

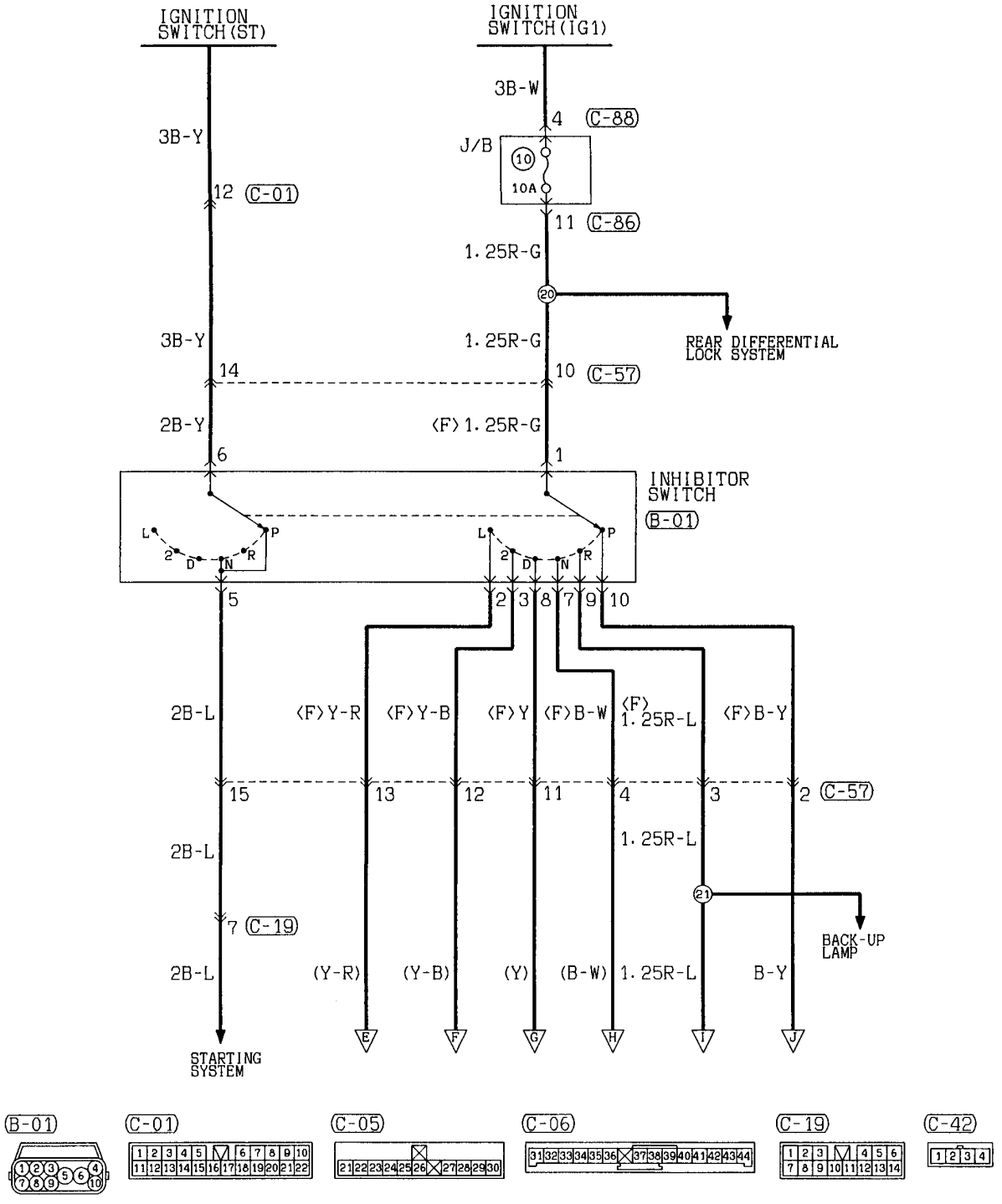


8P07E01AA

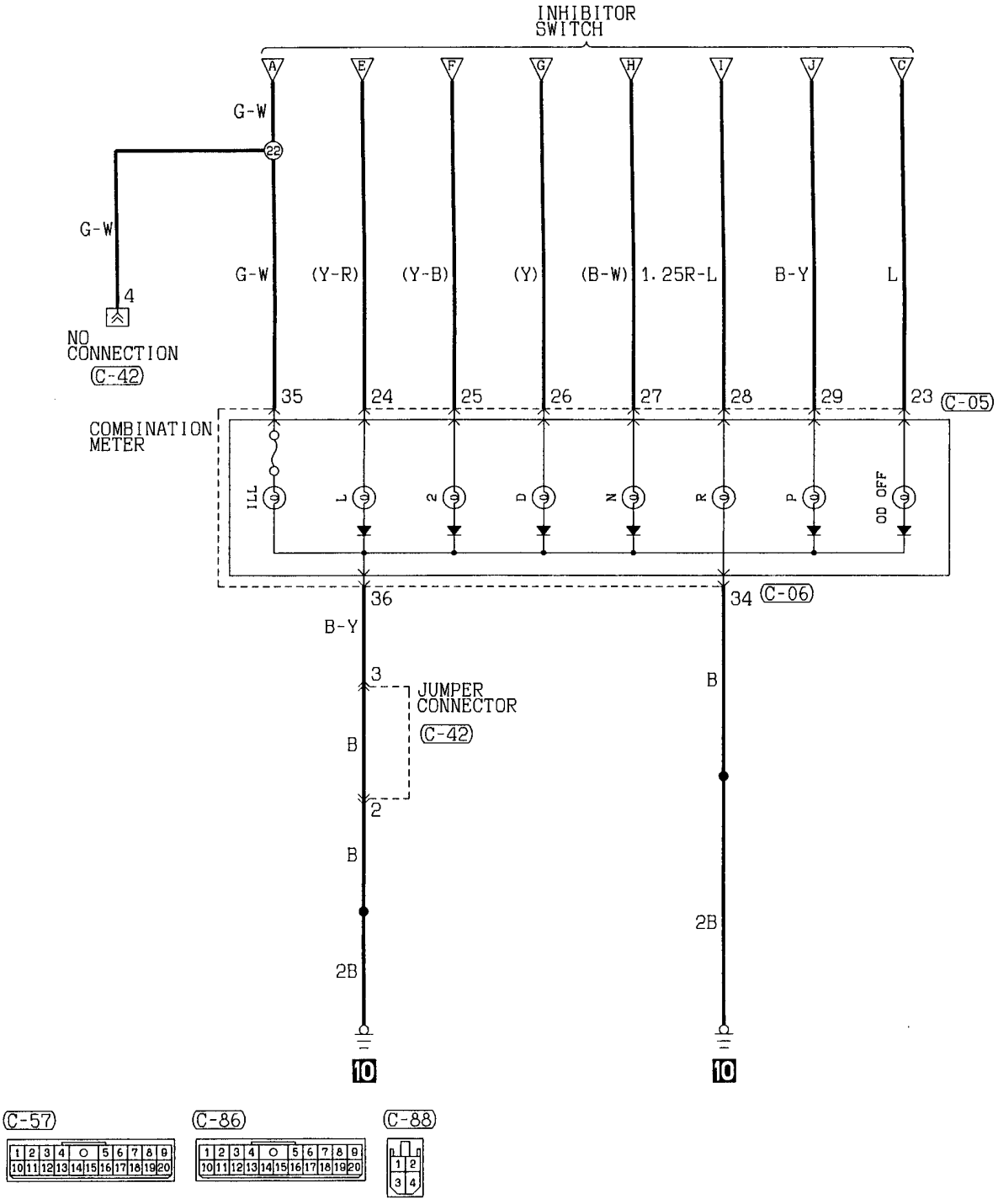

IGNITION SWITCH(IG1)
DEDICATED FUSE (11)
OVERDRIVE SWITCH
3B-W
4 (C-88)
J/B
11
10A
8 (C-79)
0.85B-W
13
· BRAKE WARNING LAMP
· MULTI-METER
· REAR DIFFERENTIAL LOCK SYSTEM
0.85B-W
43 (C-06)
R
L
3
2
COMBINATION METER
A/T
OVERDRIVE CONTROL RELAY
(C-37)
GND
(C-04)
13
4
5
6
8
· INTERCOOLER FAN
· PART TIME 4WD SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
B-Y
L-R
B-W
B
Y-W
Y-W
17
1
Y-W
1
16
5 (C-57)
51 (C-07)
NO CONNECTION
(C-15)
REED
COMBINATION METER
(F)B-Y
(F)L-R
(F)B-W
34 (C-06)
B
1
4
2 (B-06)
ON→OFF : 147°C (297°F)
OFF→ON : 125°C (257°F)
OFF
ON
2B
10
A/T FLUID TEMPERATURE SWITCH
DETECTION SWITCH
OVERDRIVE SOLENOID VALVE
(C-57)
(C-79)
(C-81)
(C-86)
(C-87)
(C-88)
(C-89)

8P07E01AB

OVERDRIVE CONTROL SYSTEM <4D56 (1998 Models)> (CONTINUED)



8P07E01BA

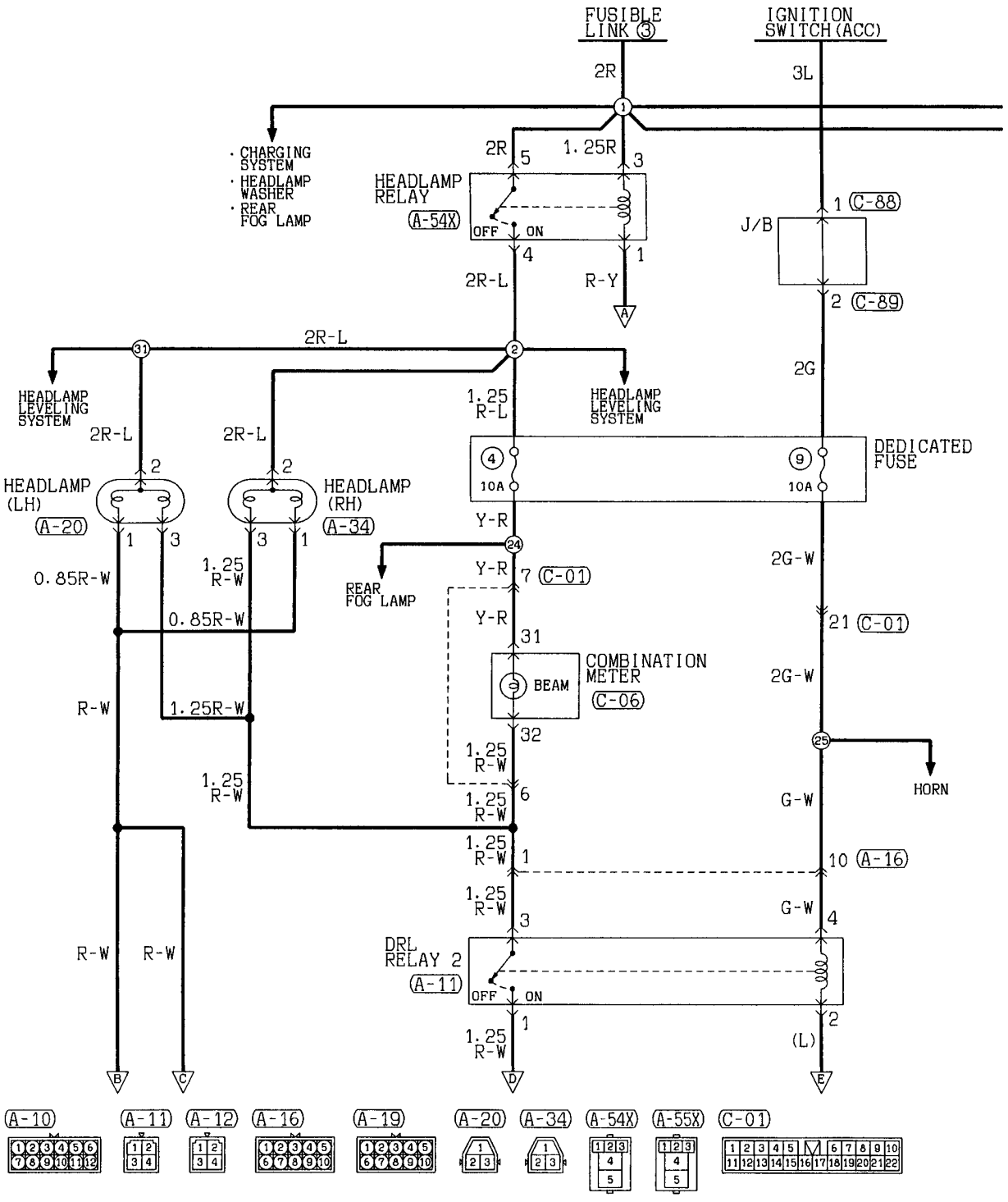

INHIBITOR SWITCH
A
E
F
G
H
I
J
C
G-W
22
G-W
G-W
(Y-R)
(Y-B)
(Y)
(B-W)
1.25R-L
B-Y
L
4
NO CONNECTION
C-42
35
24
25
26
27
28
29
23
C-05
COMBINATION METER
ILL
L
2
D
N
R
P
OD OFF
36
34
C-06
B-Y
3
JUMPER CONNECTOR
C-42
B
B
2
B
2B
B
2B
10
10
C-57
C-86
C-88

8P07E01BB

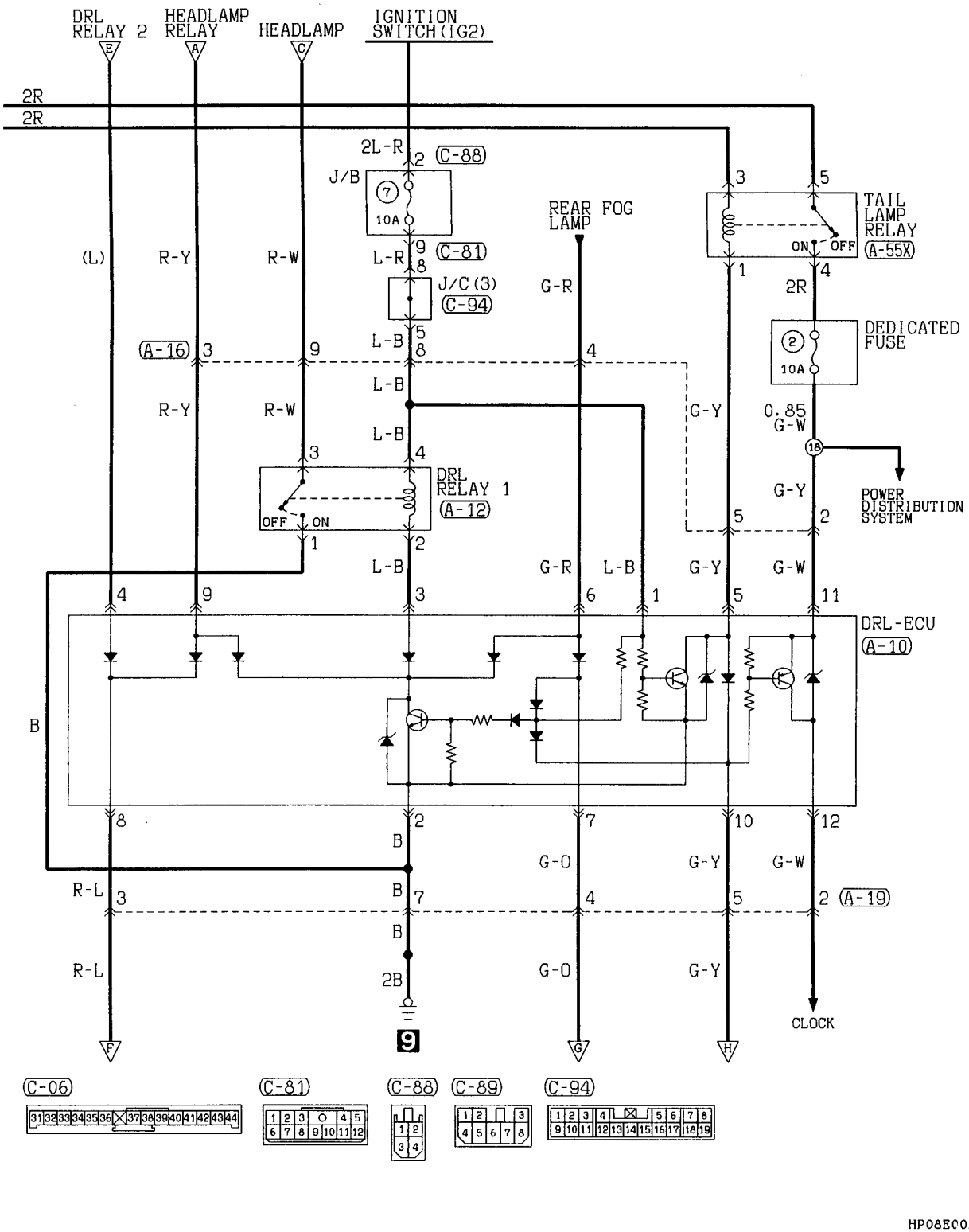
HEADLAMP

90100150241

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

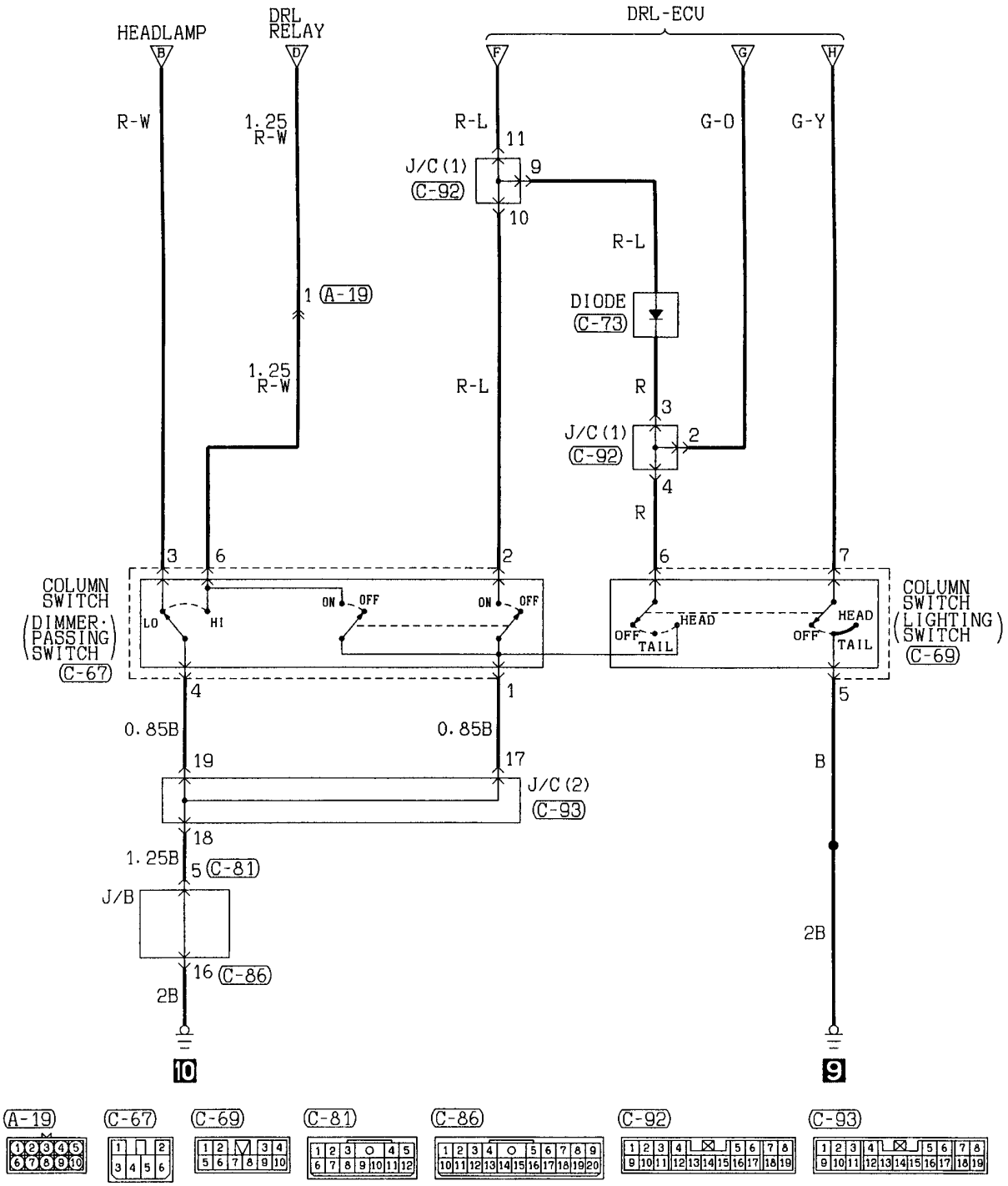


HP08E00AA


DRL RELAY 2
HEADLAMP RELAY
HEADLAMP
IGNITION SWITCH(IG2)
2R
2R
2L-R
C-88
J/B
10A
REAR FOG LAMP
TAIL LAMP RELAY
A-55X
ON OFF
(L)
R-Y
R-W
L-R
C-81
J/C(3)
C-94
G-R
2R
DEDICATED FUSE
10A
A-16
L-B
G-Y
0.85 G-W
DRL RELAY 1
A-12
OFF ON
POWER DISTRIBUTION SYSTEM
DRL-ECU
A-10
B
R-L
G-O
A-19
CLOCK
C-06
C-81
C-88
C-89
C-94

HP08EC0AB

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



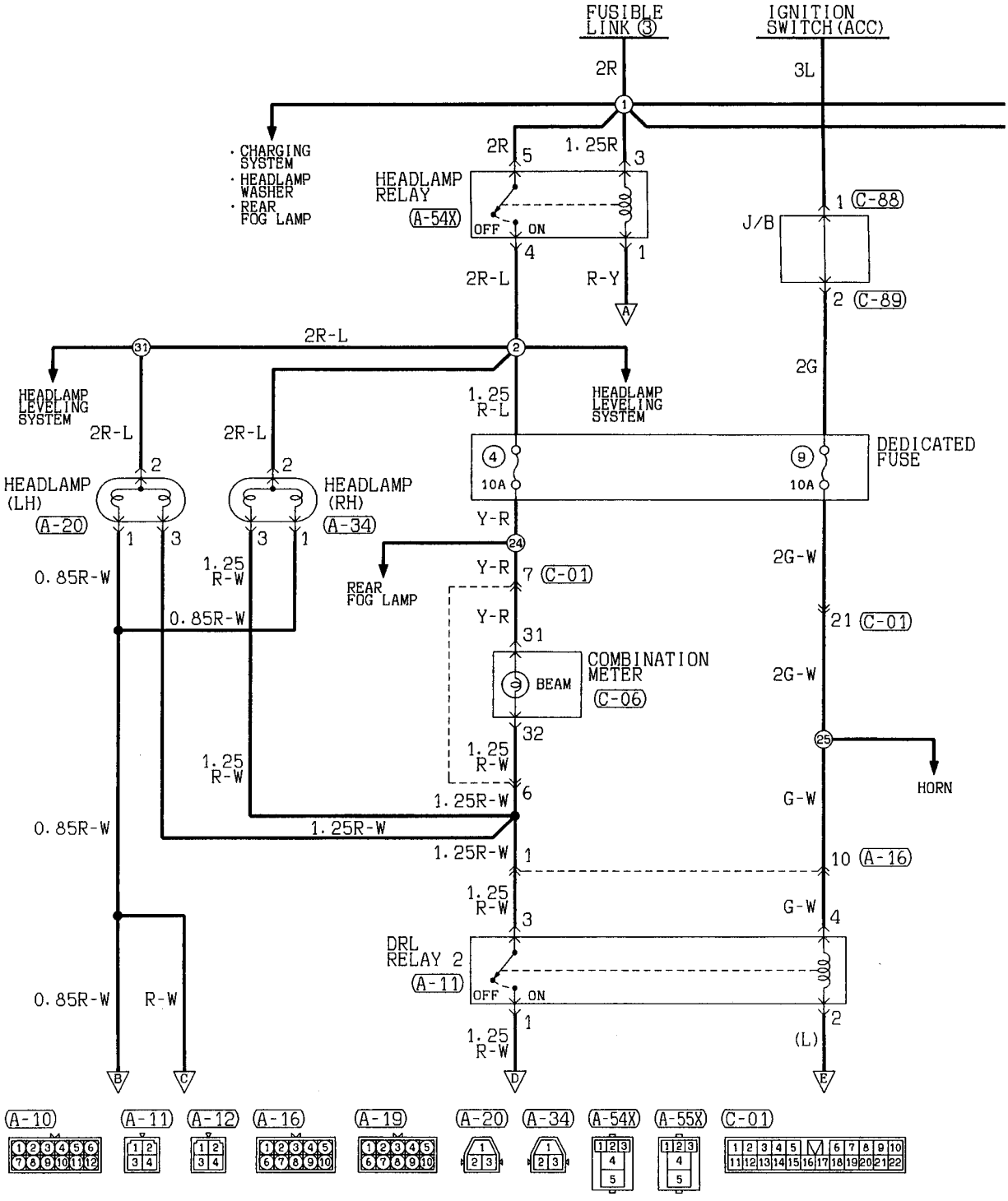
HP08E00BA

NOTES

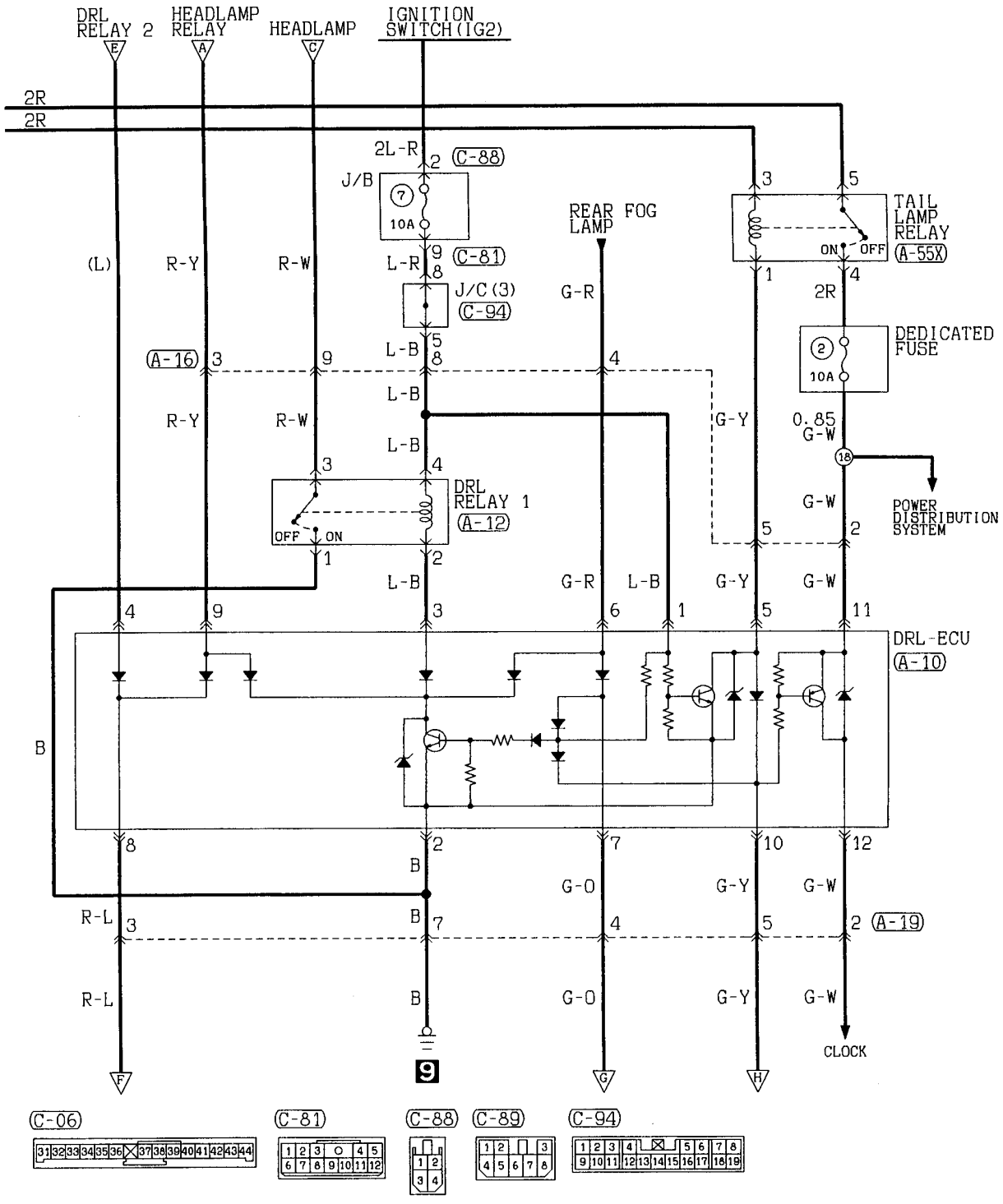
HEADLAMP

90100150678

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

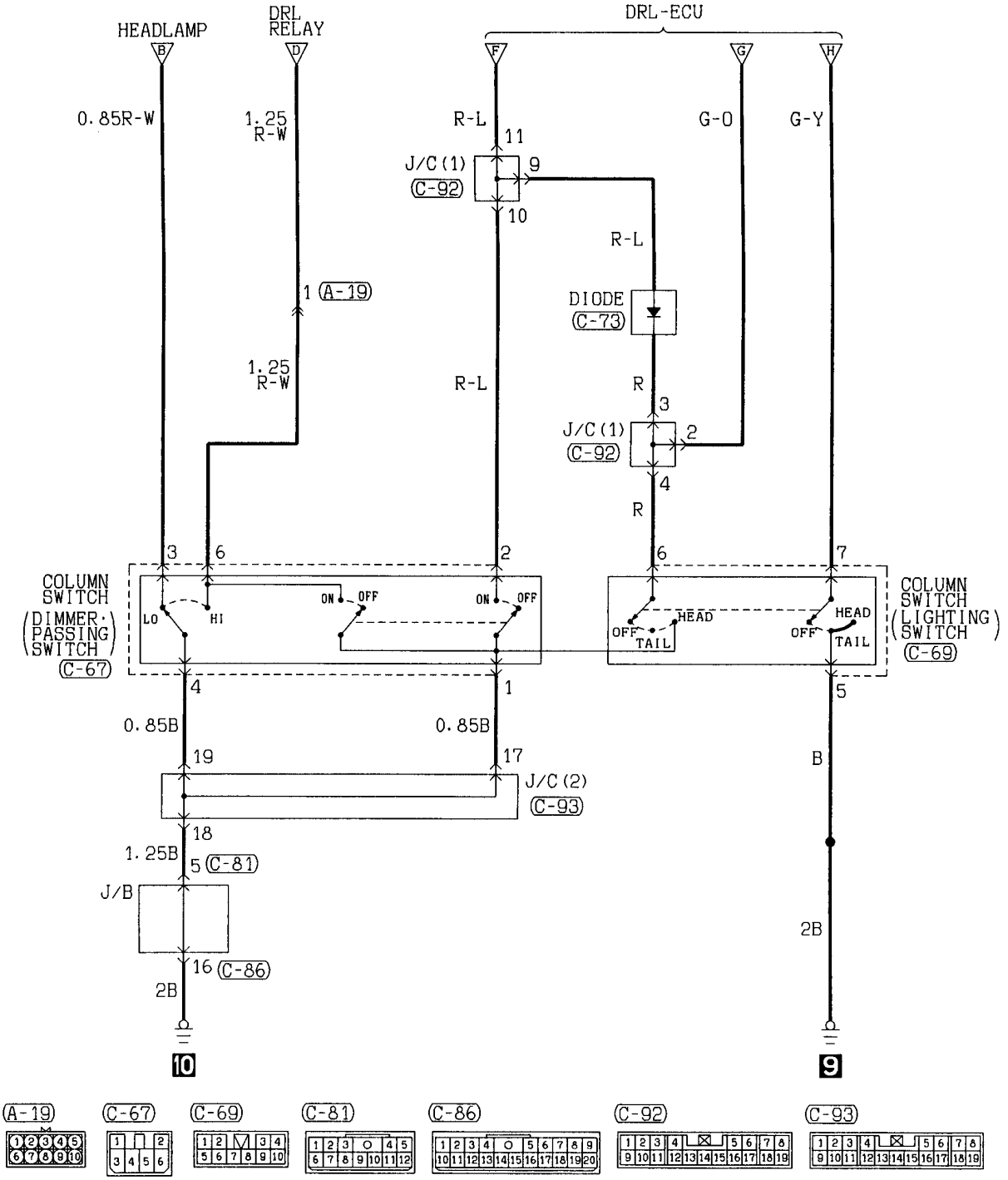


8P08E00AA


DRL RELAY 2
HEADLAMP RELAY
HEADLAMP
IGNITION SWITCH(IG2)
2R
2R
2L-R
C-88
J/B
10A
L-R
C-81
J/C(3)
C-94
L-B
REAR FOG LAMP
G-R
TAIL LAMP RELAY
A-55X
ON
OFF
DEDICATED FUSE
10A
0.85 G-W
POWER DISTRIBUTION SYSTEM
(L)
R-Y
R-W
A-16
DRL RELAY 1
A-12
G-Y
G-W
DRL-ECU
A-10
B
G-O
R-L
A-19
CLOCK
C-06
C-81
C-88
C-89
C-94

8P08E00AB

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



8P08E00BA

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.

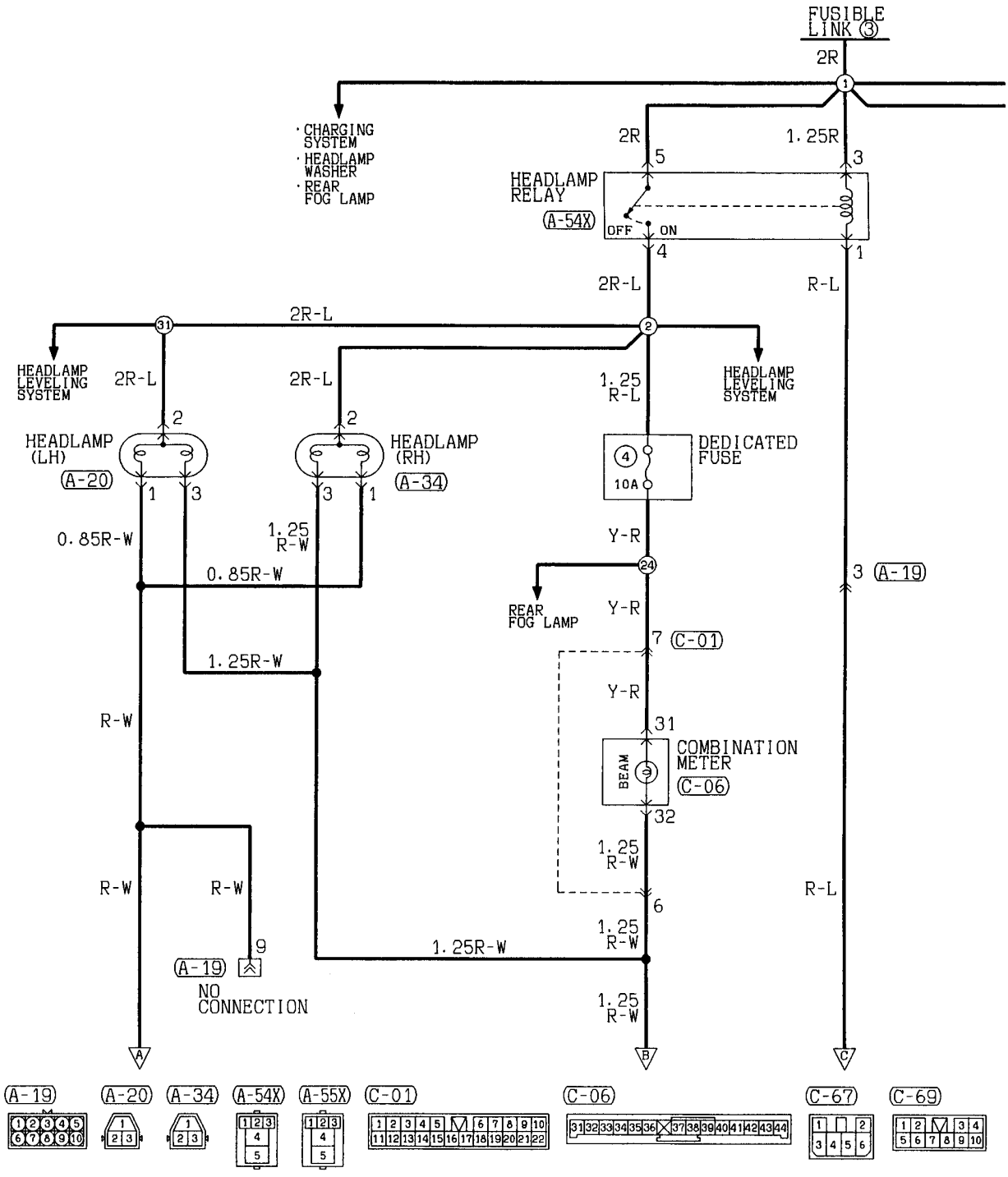
TROUBLESHOOTING HINTS

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

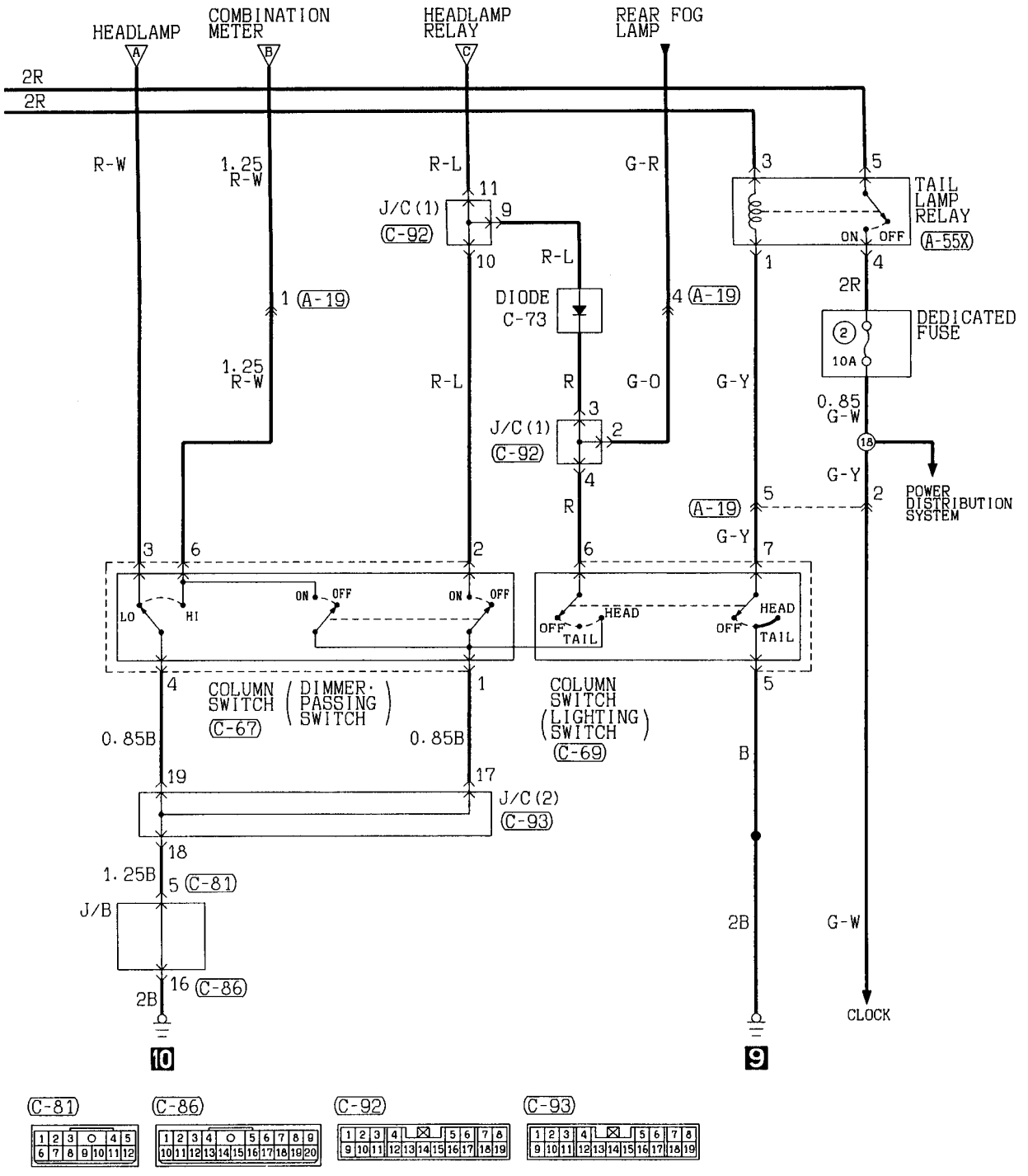
HEADLAMP

90100150265

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



HP08E01AA

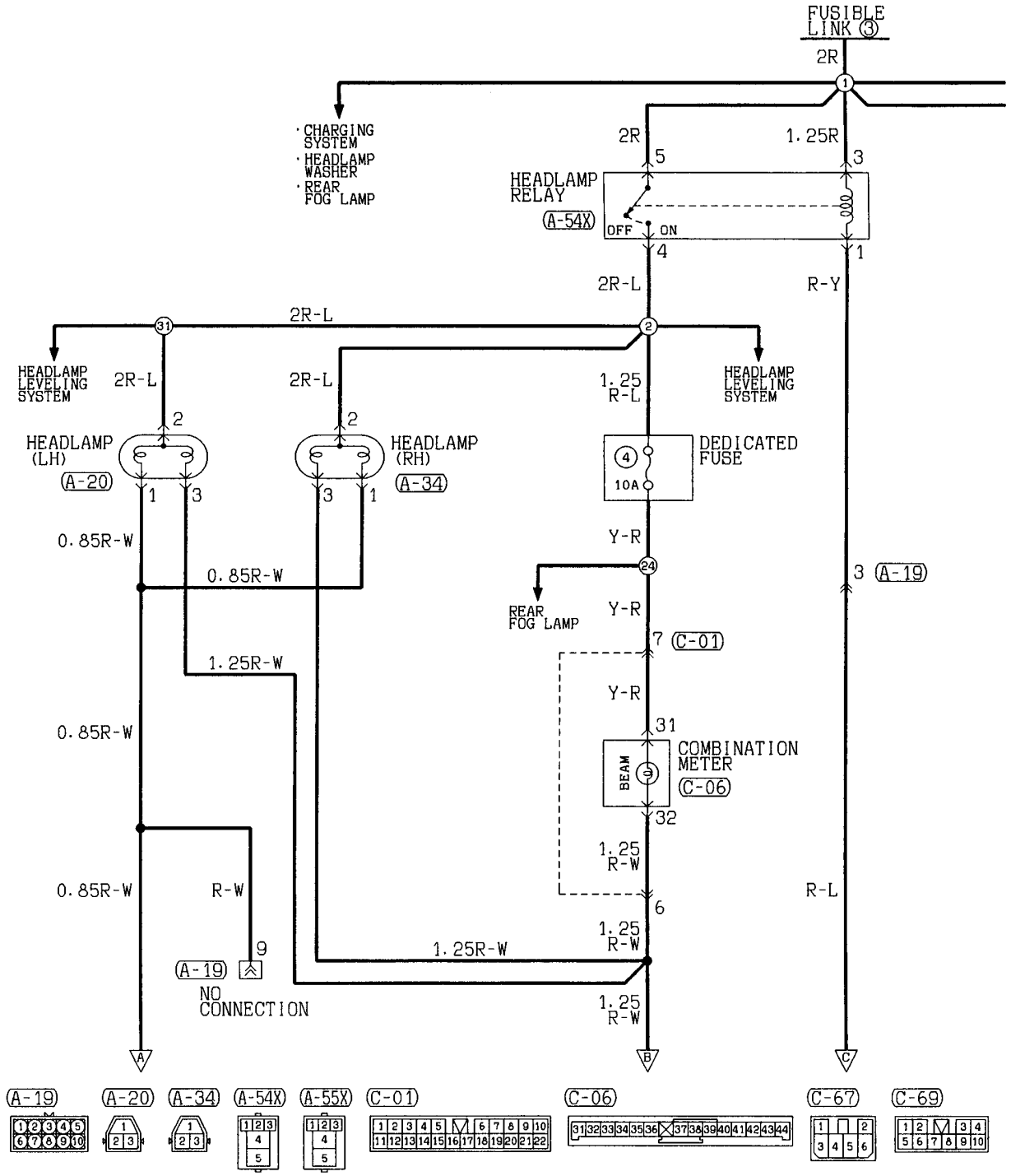

HEADLAMP
COMBINATION METER
HEADLAMP RELAY
REAR FOG LAMP
2R
2R
R-W
1.25 R-W
R-L
G-R
J/C(1) (C-92)
DIODE C-73
TAIL LAMP RELAY (A-55X)
ON OFF
DEDICATED FUSE
10A
0.85 G-W
G-Y
POWER DISTRIBUTION SYSTEM
(A-19)
LO HI
HEAD TAIL
COLUMN SWITCH (DIMMER·PASSING SWITCH) (C-67)
COLUMN SWITCH (LIGHTING SWITCH) (C-69)
0.85B
B
J/C(2) (C-93)
1.25B
J/B
2B
G-W
CLOCK
10
9
(C-81)
(C-86)
(C-92)
(C-93)

HP08E01AB

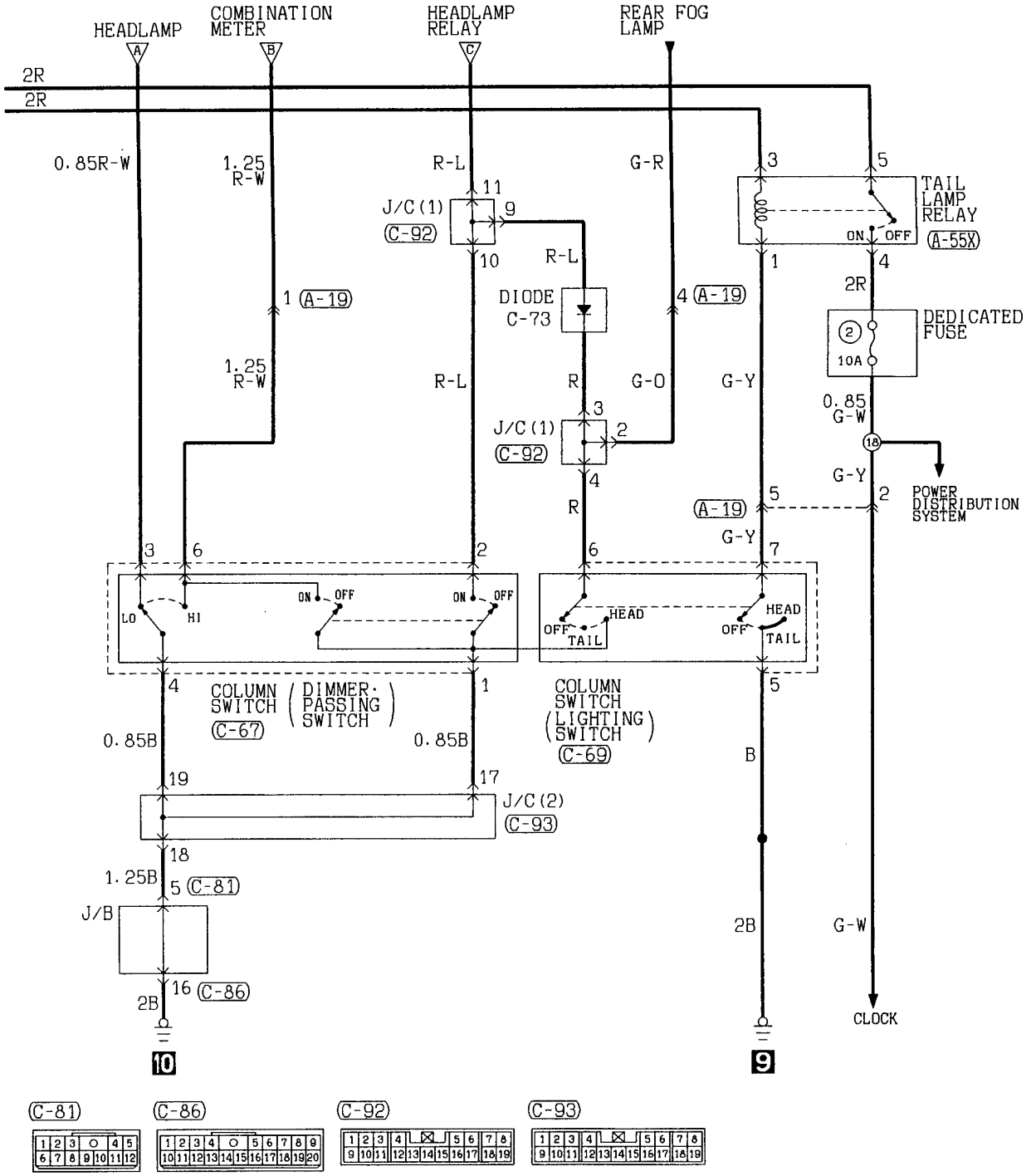
HEADLAMP

90100150685

L.H. drive vehicles without daytime running lamp <1998 Models>



8P08E01AA


HEADLAMP
COMBINATION METER
HEADLAMP RELAY
REAR FOG LAMP
2R
2R
0.85R-W
1.25 R-W
R-L
G-R
J/C (1) C-92
DIODE C-73
TAIL LAMP RELAY
ON OFF
A-55X
1 A-19
4 A-19
DEDICATED FUSE
10A
1.25 R-W
R-L
R
G-O
G-Y
0.85 G-W
J/C (1) C-92
POWER DISTRIBUTION SYSTEM
A-19
G-Y
LO HI
ON OFF
ON OFF
HEAD OFF TAIL
HEAD OFF TAIL
COLUMN SWITCH (DIMMER· PASSING SWITCH) C-67
COLUMN SWITCH (LIGHTING SWITCH) C-69
0.85B
0.85B
B
J/C (2) C-93
1.25B
5 C-81
J/B
2B
16 C-86
2B
G-W
CLOCK
10
9
C-81
C-86
C-92
C-93

8P08E01AB

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

1. Headlamps don't go on.
   (1) But the tail lamps illuminate.
   - Check the headlamp relay.
   - Check the lighting switch.

   (2) The tail lamps also don't illuminate.
   - Check the fusible link No. (3).
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   (1) The passing signal functions OK.
   - Check the dimmer switch HI contacts.

   (2) The passing signal does not function.
   - Check the dimmer switch.
4. One headlamp doesn't illuminate.
   - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. Upper-beam indicator lamp does not go on.
   (1) 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

1. Headlamps don't go on.
   (1) But the tail lamps do illuminate.
   - Check the headlamp relay.
   - Check the lighting switch.
   - Check the dim-dip lamp relays 2 and 3.

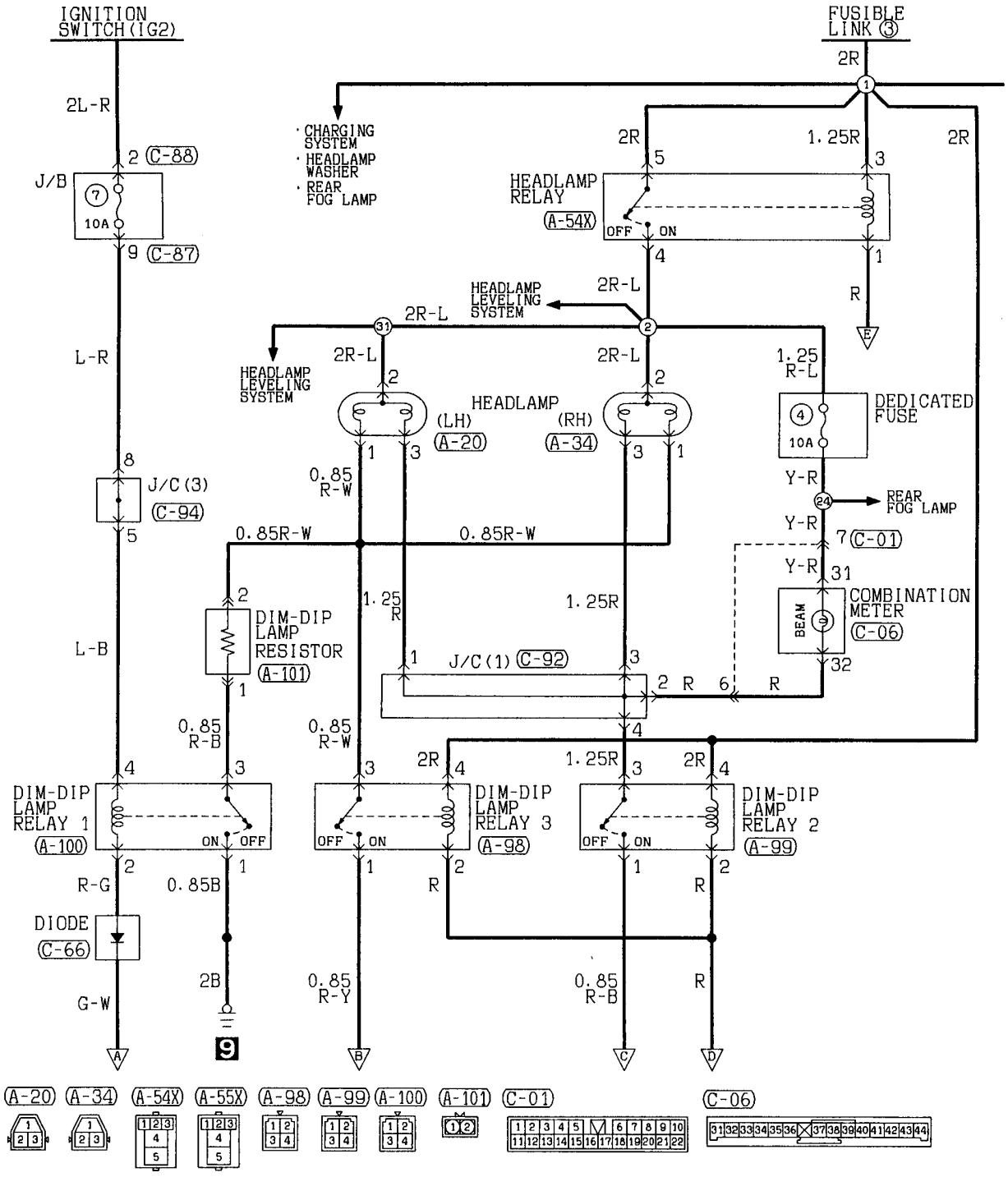
   (2) The tail lamps also don't illuminate.
   - Check the fusible link No. (3).
2. The low beam at both sides doesn't illuminate.
   - Check the dimmer switch LO contacts.
3. The upper beam at both sides doesn't illuminate.
   (1) The passing signal functions OK.
   - Check the dimmer switch HI contacts.

   (2) The passing signal does not function.
   - Check the dimmer switch.
4. One headlamps doesn't illuminate.
   - Check the lamp bulb.
5. Can't switch from low to upper beam or vice-versa.
   - Check the dimmer switch.
6. The headlamp low beam does not illuminate at the "TAIL" position of the lighting switch.
   (1) The low beam does illuminate, however, when, with lighting switch at the "HEAD" position, the dimmer switch is set to "LO".
   - Check the dim-dip lamp relay 1.
   - Check the resistor.
   - Check the diode.
7. Upper-beam indicator lamp does not go on.
   (1) Headlamp upper beams are operational.
   - Check dedicated fuse No. (4).
   - Check the indicator lamp bulb.

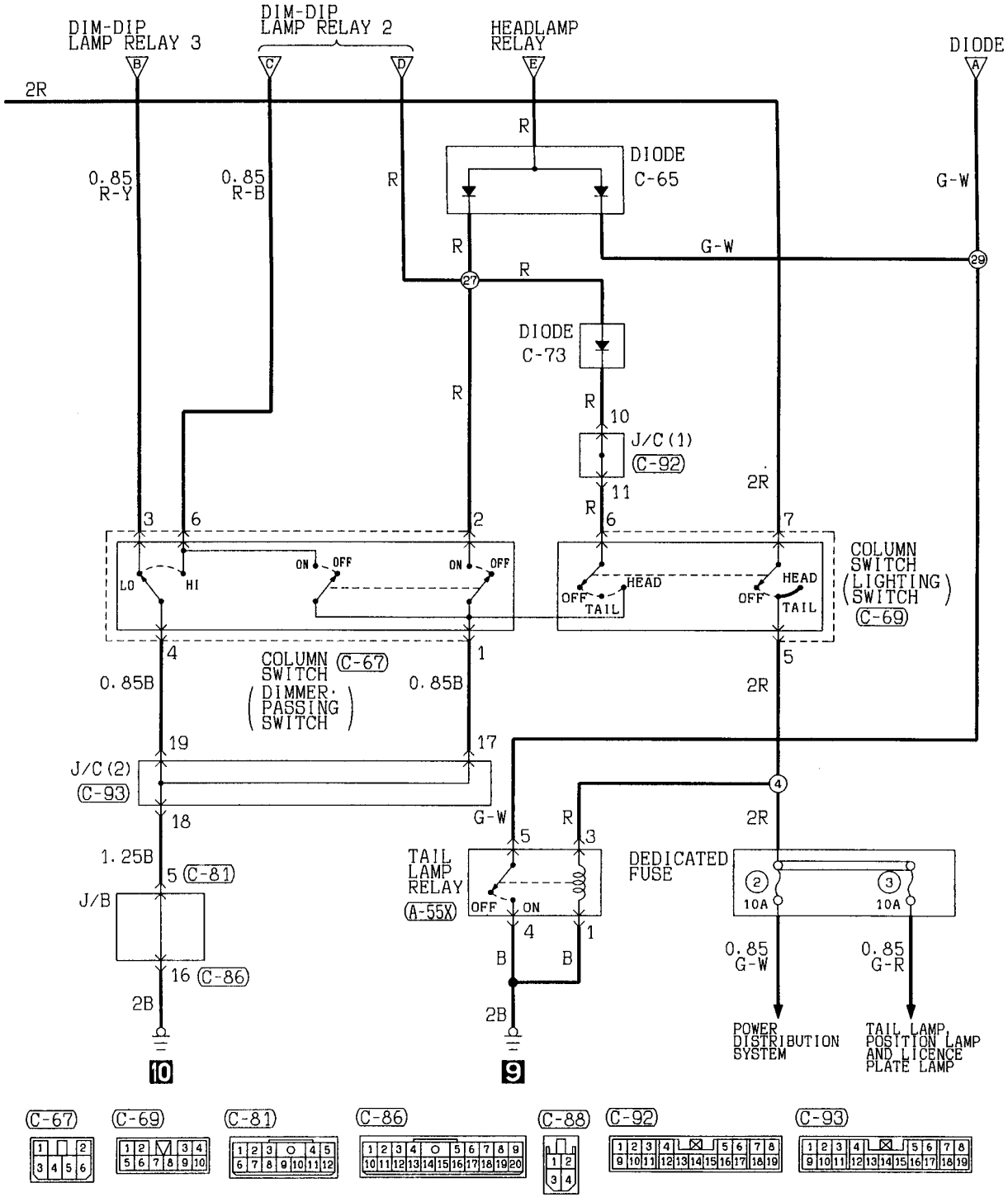
HEADLAMP

90100150296

R.H. drive vehicles <1997 Models>



HP08E02AA

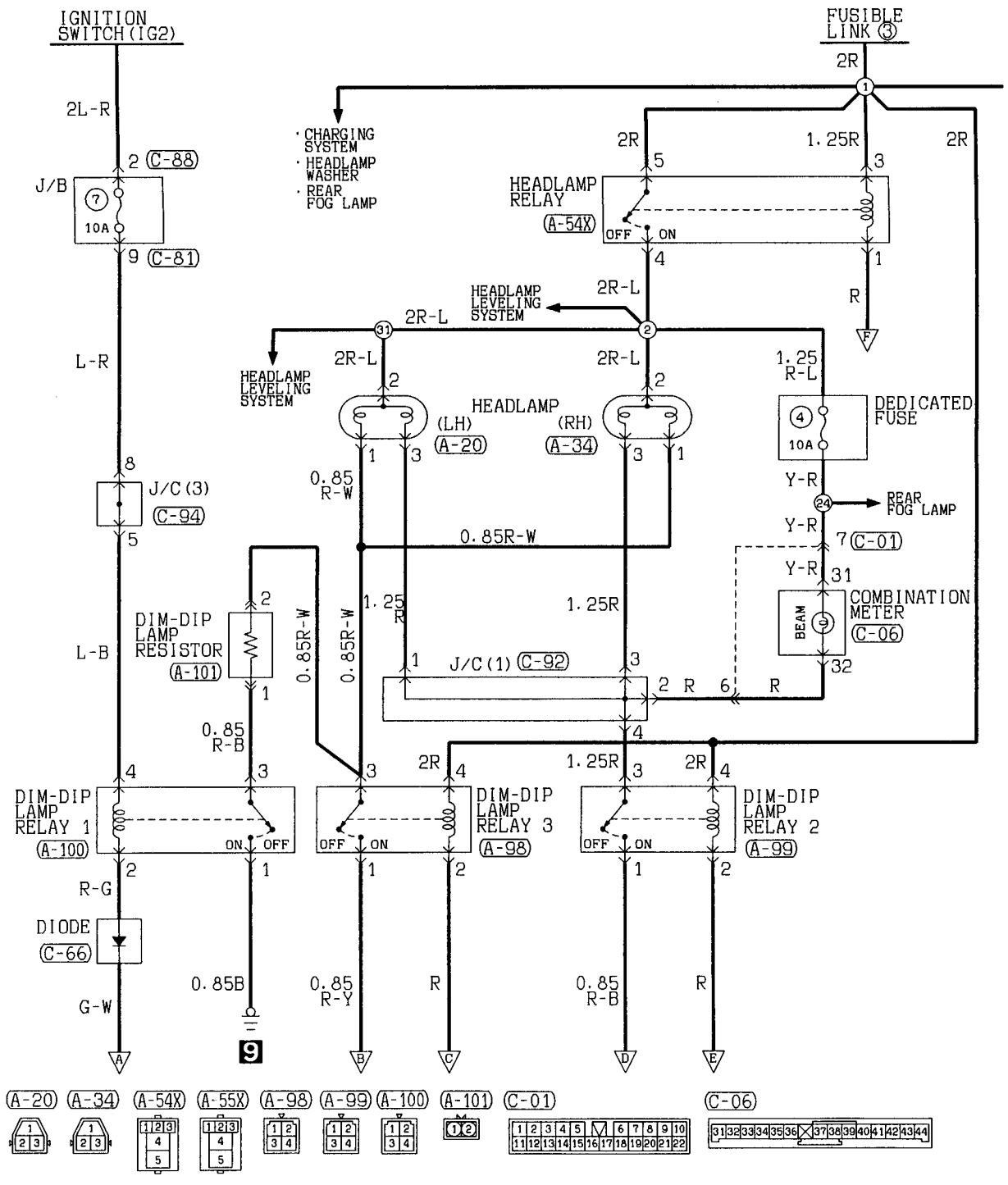

DIM-DIP LAMP RELAY 3
DIM-DIP LAMP RELAY 2
HEADLAMP RELAY
DIODE
2R
0.85 R-Y
0.85 R-B
R
G-W
DIODE C-65
DIODE C-73
J/C (1) C-92
J/C (2) C-93
COLUMN SWITCH (DIMMER· PASSING SWITCH) C-67
COLUMN SWITCH (LIGHTING SWITCH) C-69
LO
HI
ON
OFF
HEAD
TAIL
0.85B
1.25B
J/B
C-81
16 C-86
2B
10
9
TAIL LAMP RELAY A-55X
DEDICATED FUSE
10A
0.85 G-W
0.85 G-R
POWER DISTRIBUTION SYSTEM
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP
C-67
C-69
C-81
C-86
C-88
C-92
C-93

HP08E02AB

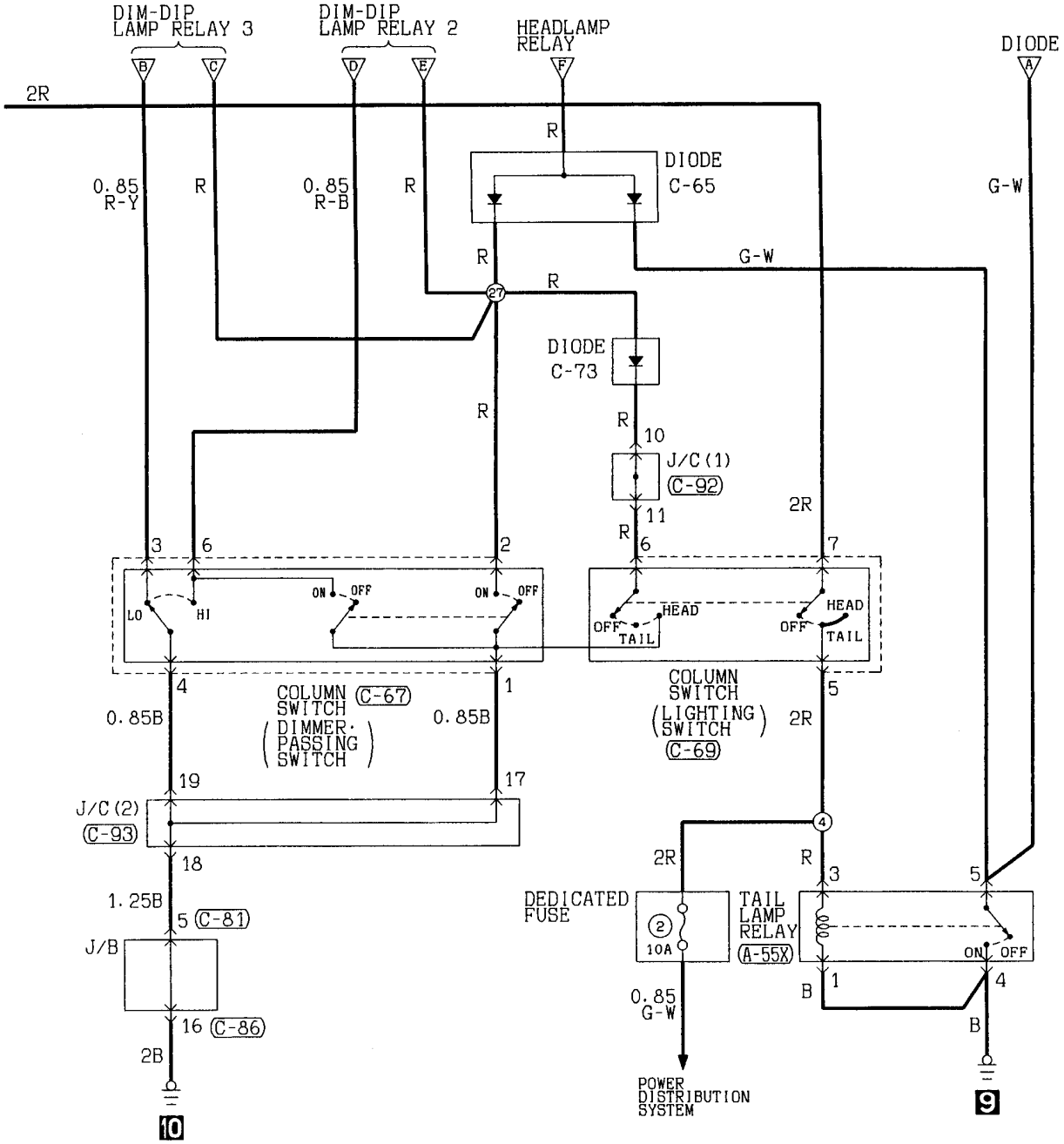
HEADLAMP

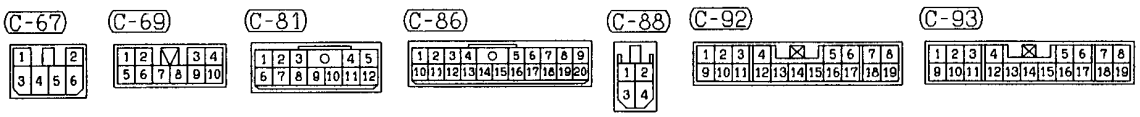
90100150692

R.H. drive vehicles <1998 Models>



8P08E02AA


DIM-DIP LAMP RELAY 3
DIM-DIP LAMP RELAY 2
HEADLAMP RELAY
DIODE
2R
0.85 R-Y
R
0.85 R-B
R
DIODE C-65
G-W
DIODE C-73
J/C (1) (C-92)
COLUMN SWITCH (DIMMER· PASSING SWITCH) (C-67)
COLUMN SWITCH (LIGHTING SWITCH) (C-69)
LO
HI
ON
OFF
HEAD
TAIL
0.85B
J/C (2) (C-93)
1.25B
5 (C-81)
J/B
16 (C-86)
2B
DEDICATED FUSE
10A
TAIL LAMP RELAY (A-55X)
0.85 G-W
POWER DISTRIBUTION SYSTEM
10
9

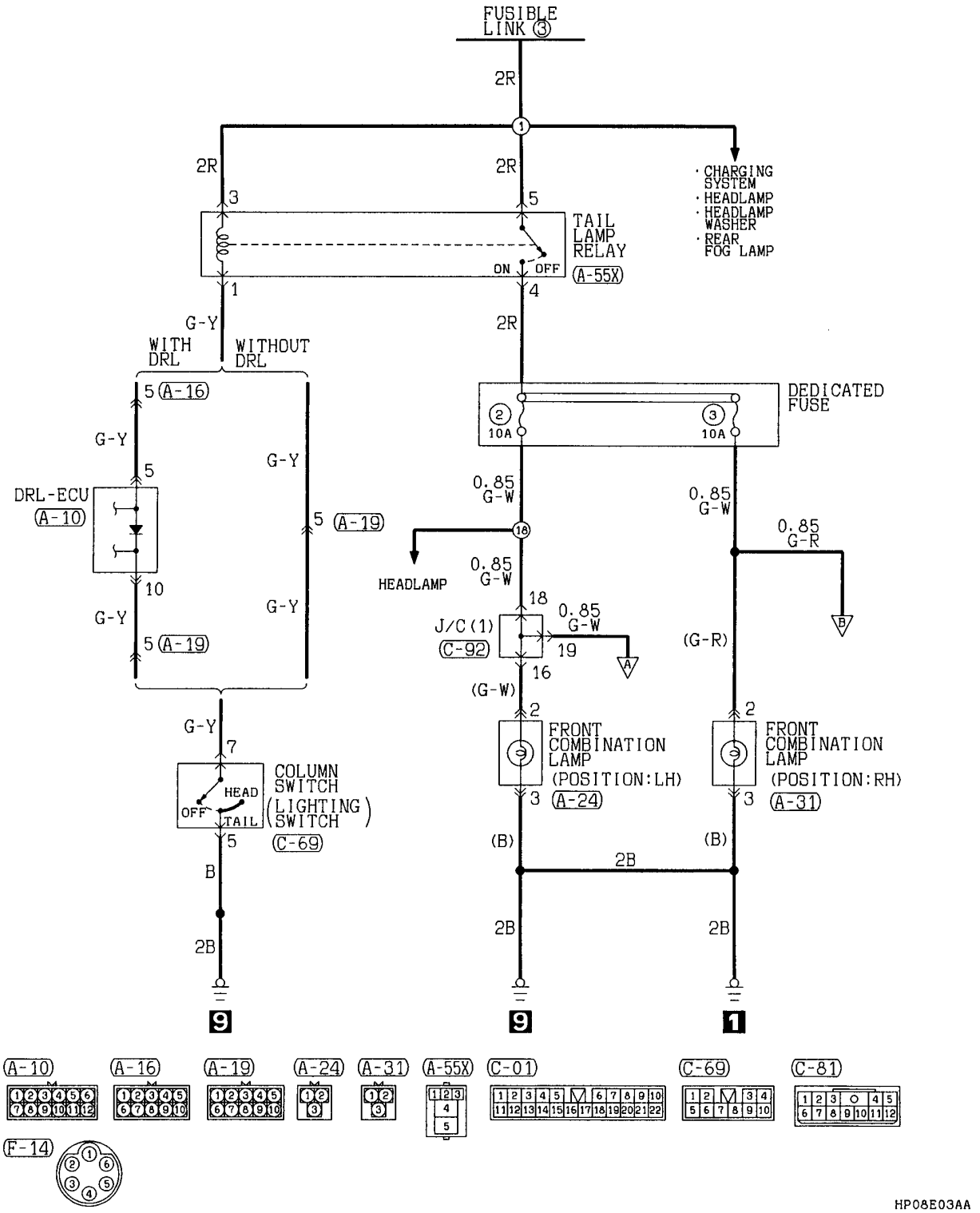

(C-67)
(C-69)
(C-81)
(C-86)
(C-88)
(C-92)
(C-93)

8P08E02AB

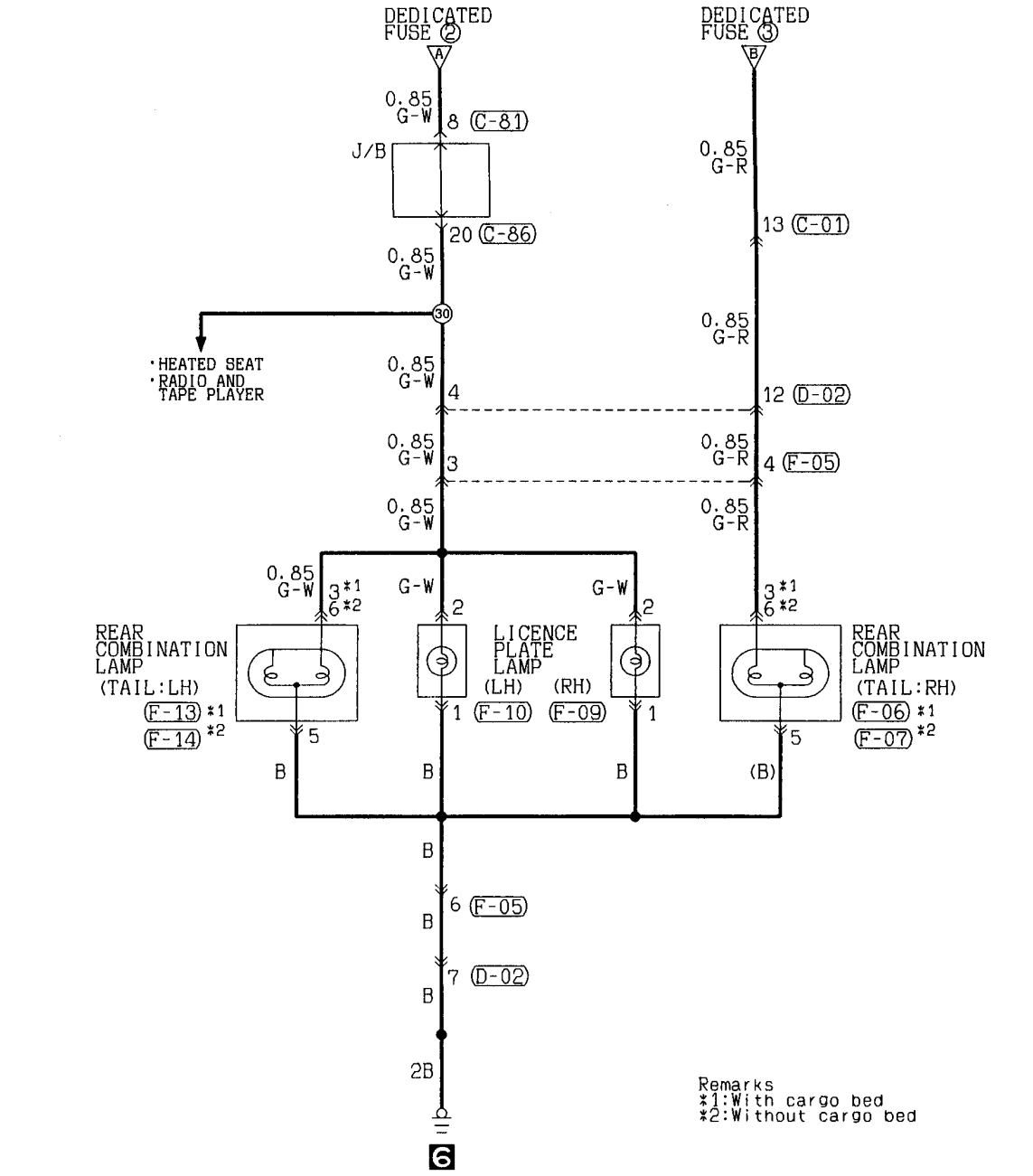
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

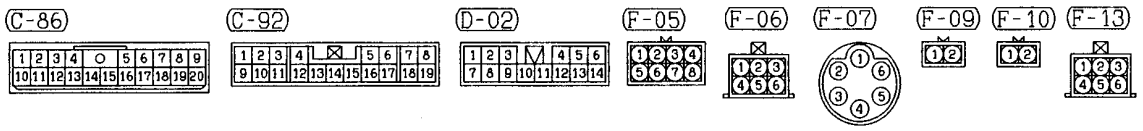
90101260158

L.H. drive vehicles <1997 Models>



HP08E03AA


DEDICATED FUSE (2)
DEDICATED FUSE (3)
A
B
0.85 G-W
8 (C-81)
J/B
20 (C-86)
0.85 G-W
30
·HEATED SEAT
·RADIO AND TAPE PLAYER
0.85 G-W
4
0.85 G-W
3
0.85 G-W
0.85 G-R
13 (C-01)
0.85 G-R
12 (D-02)
0.85 G-R
4 (F-05)
0.85 G-R
0.85 G-W
3 *1
6 *2
G-W
2
G-W
2
3 *1
6 *2
REAR COMBINATION LAMP (TAIL:LH)
(F-13) *1
(F-14) *2
5
1
LICENCE PLATE LAMP
(LH)
(F-10)
(RH)
(F-09)
1
5
REAR COMBINATION LAMP (TAIL:RH)
(F-06) *1
(F-07) *2
B
B
B
(B)
B
6 (F-05)
B
7 (D-02)
B
2B
6
Remarks
*1:With cargo bed
*2:Without cargo bed

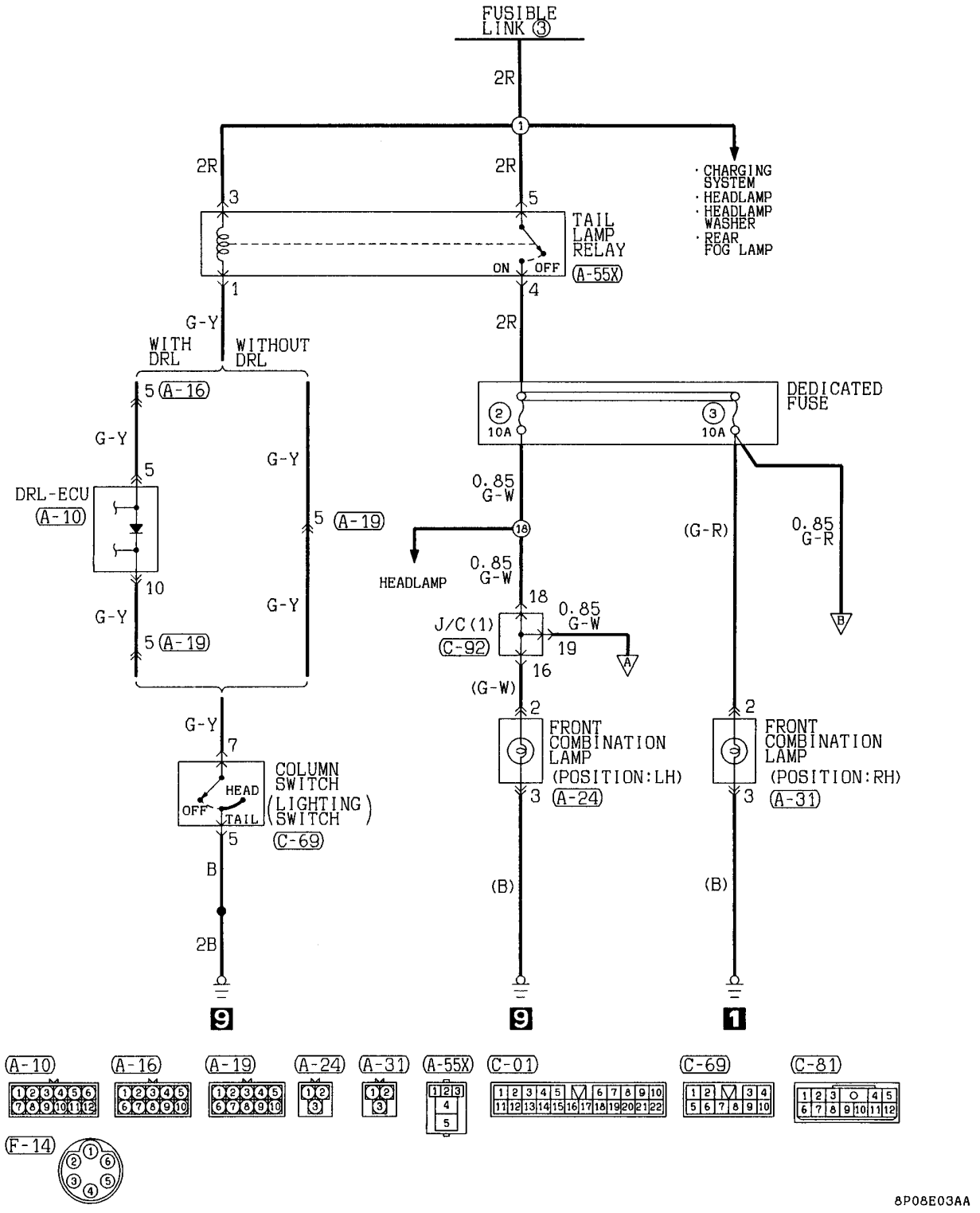

(C-86)
(C-92)
(D-02)
(F-05)
(F-06)
(F-07)
(F-09)
(F-10)
(F-13)

HP08E03AB

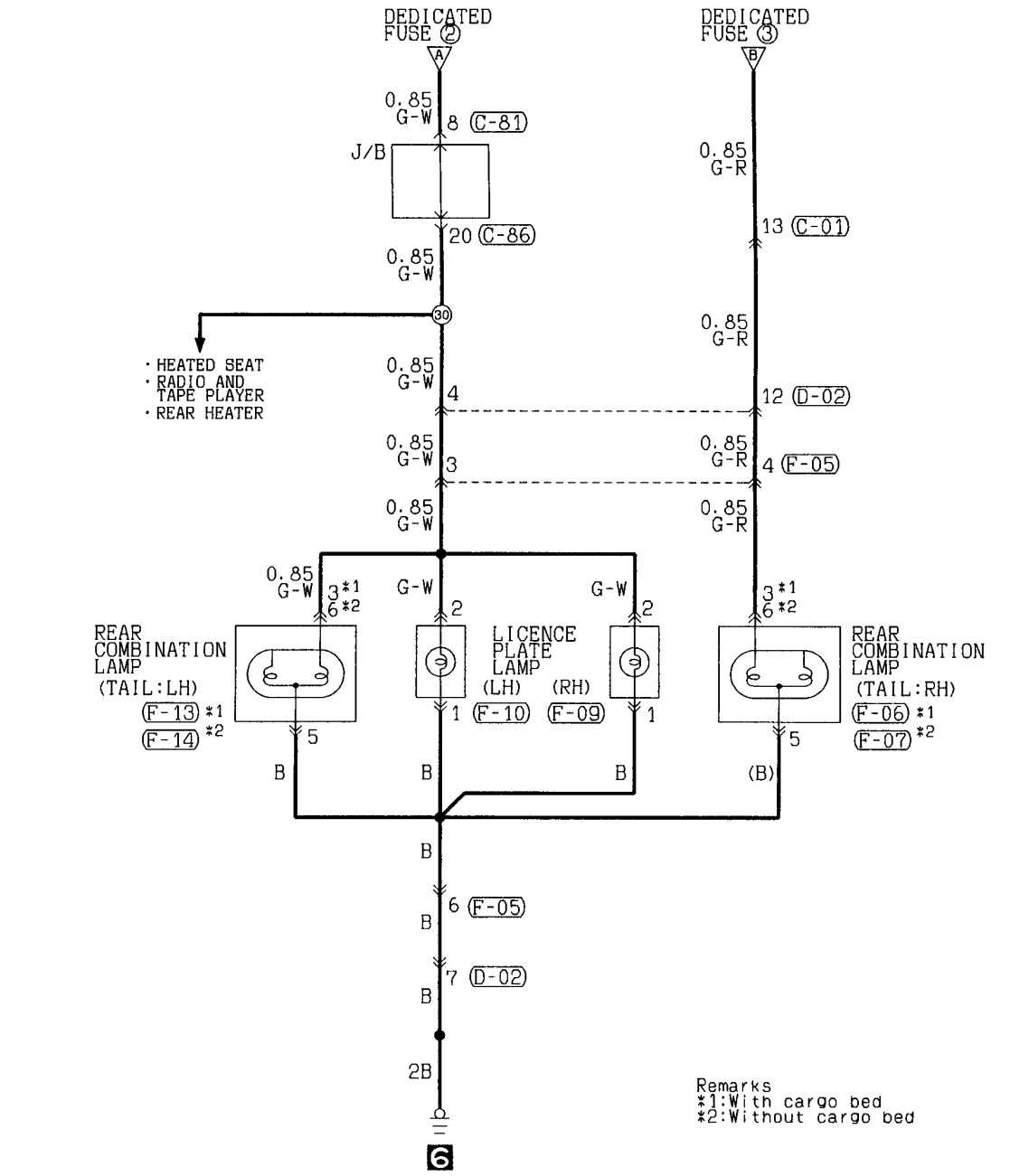
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

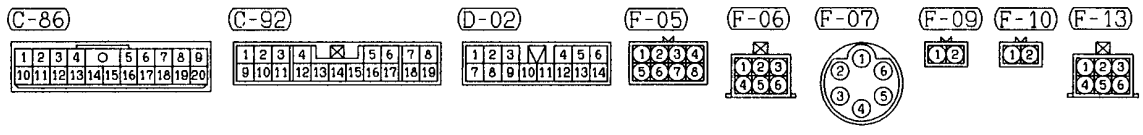
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L.H. drive vehicles <1998 Models>



8P08E03AA


DEDICATED FUSE (2)
DEDICATED FUSE (3)
0.85 G-W
8 (C-81)
J/B
20 (C-86)
0.85 G-R
13 (C-01)
30
· HEATED SEAT
· RADIO AND TAPE PLAYER
· REAR HEATER
4
12 (D-02)
3
4 (F-05)
REAR COMBINATION LAMP (TAIL:LH)
(F-13) *1
(F-14) *2
LICENCE PLATE LAMP
(LH) (RH)
(F-10) (F-09)
REAR COMBINATION LAMP (TAIL:RH)
(F-06) *1
(F-07) *2
6 (F-05)
7 (D-02)
2B
6
Remarks
*1:With cargo bed
*2:Without cargo bed

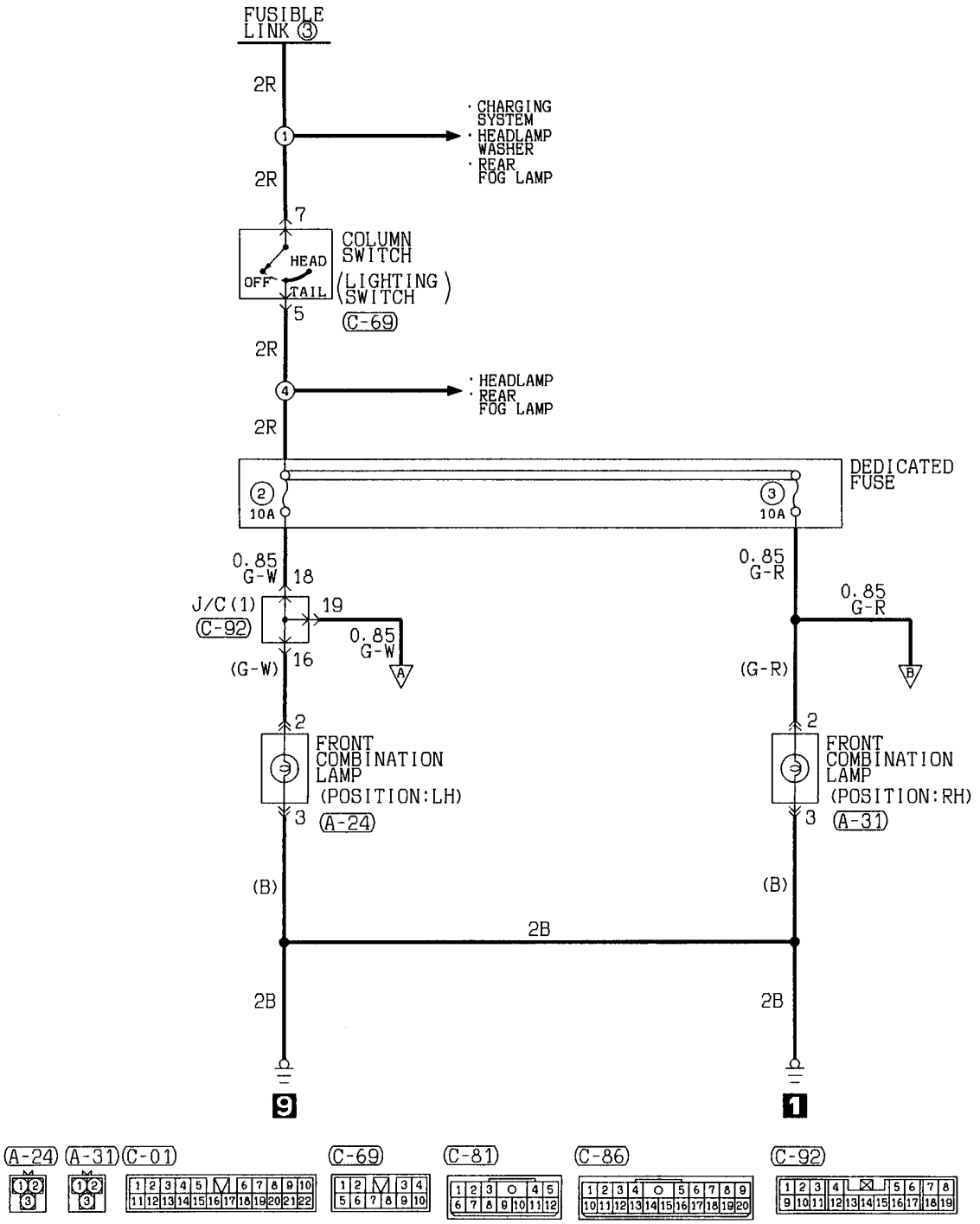

(C-86)
(C-92)
(D-02)
(F-05)
(F-06)
(F-07)
(F-09)
(F-10)
(F-13)

8P08E03AB

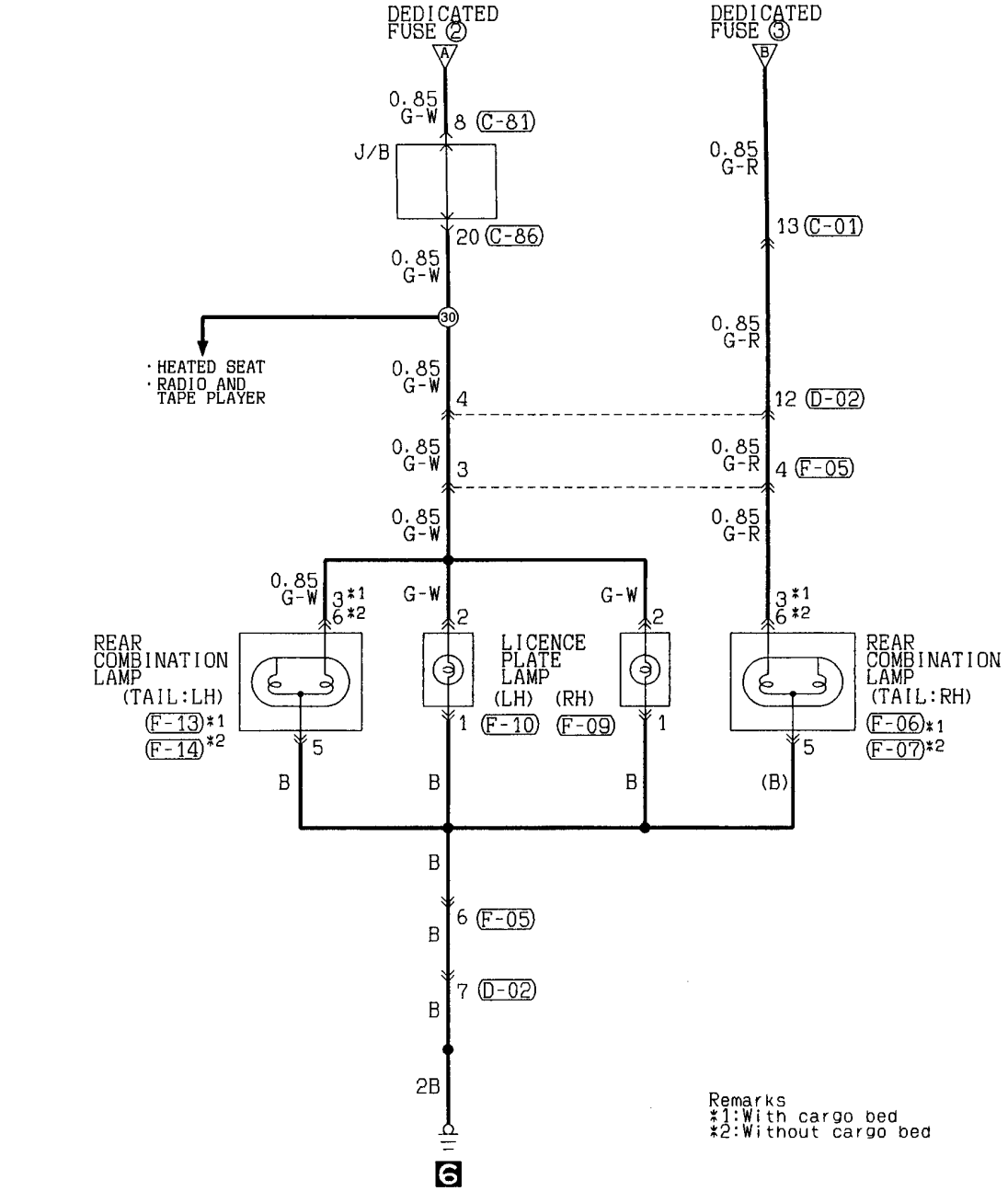
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260165

R.H. drive vehicles <1997 Models>



HP08E04AA

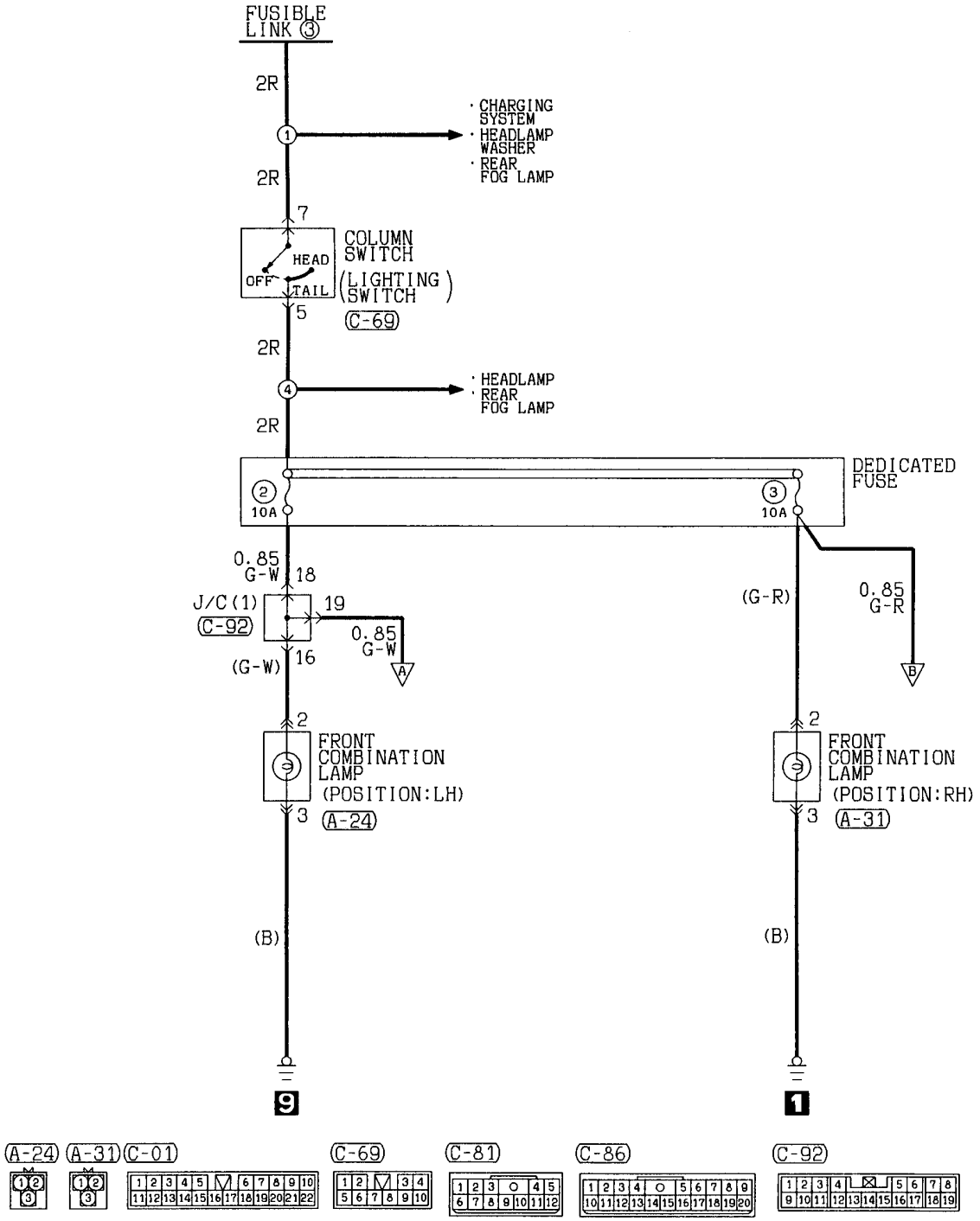

DEDICATED FUSE (2)
DEDICATED FUSE (3)
A
B
0.85 G-W
8 (C-81)
J/B
20 (C-86)
0.85 G-W
30
0.85 G-R
13 (C-01)
· HEATED SEAT
· RADIO AND TAPE PLAYER
0.85 G-W
4
12 (D-02)
0.85 G-W
3
0.85 G-R
4 (F-05)
0.85 G-W
0.85 G-R
0.85 G-W
3*1
6*2
G-W
2
G-W
2
3*1
6*2
REAR COMBINATION LAMP (TAIL:LH)
(F-13)*1
(F-14)*2
LICENCE PLATE LAMP
(LH) (RH)
1
(F-10)
(F-09)
1
REAR COMBINATION LAMP (TAIL:RH)
(F-06)*1
(F-07)*2
5
5
B
B
B
(B)
B
6 (F-05)
B
7 (D-02)
B
2B
6
Remarks
*1:With cargo bed
*2:Without cargo bed
(D-02)
(F-05)
(F-06)
(F-07)
(F-09)
(F-10)
(F-13)
(F-14)

HP08E04AB

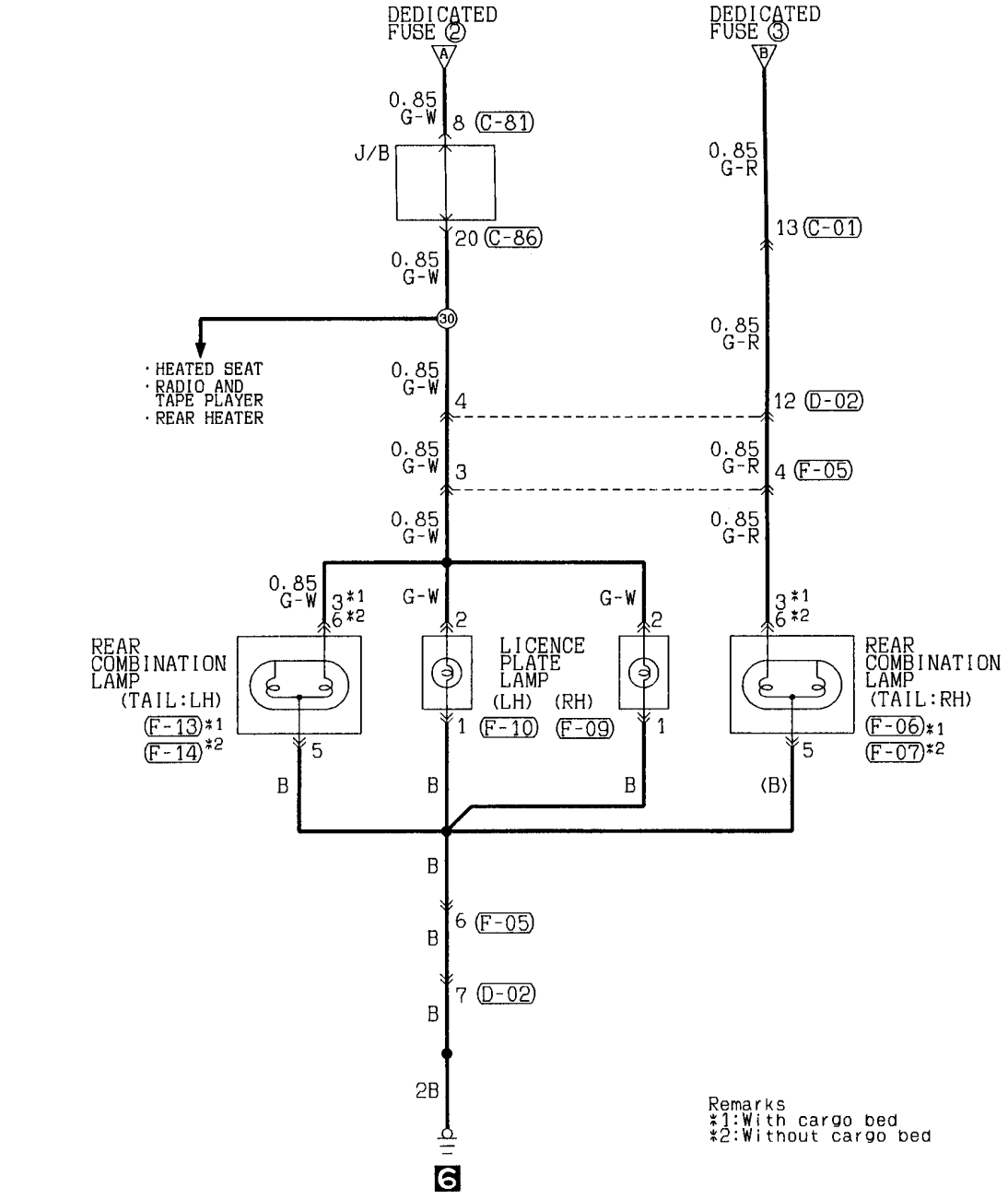
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP

90101260325

R.H. drive vehicles <1998 Models>



8P08E04AA


DEDICATED FUSE (2)
DEDICATED FUSE (3)
A
B
0.85 G-W
8 (C-81)
J/B
20 (C-86)
0.85 G-W
30
· HEATED SEAT
· RADIO AND TAPE PLAYER
· REAR HEATER
0.85 G-W
4
0.85 G-W
3
0.85 G-W
0.85 G-R
13 (C-01)
0.85 G-R
12 (D-02)
0.85 G-R
4 (F-05)
0.85 G-R
0.85 G-W 3*1 6*2
G-W 2
G-W 2
3*1 6*2
REAR COMBINATION LAMP (TAIL:LH)
(F-13)*1
(F-14)*2
LICENCE PLATE LAMP
(LH) (RH)
1 (F-10) (F-09) 1
REAR COMBINATION LAMP (TAIL:RH)
(F-06)*1
(F-07)*2
5
5
B
B
B
(B)
B
6 (F-05)
B
7 (D-02)
B
2B
Remarks
*1:With cargo bed
*2:Without cargo bed
6
(D-02)
(F-05)
(F-06)
(F-07)
(F-09)
(F-10)
(F-13)
(F-14)

8P08E04AB

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 resutlt, 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)

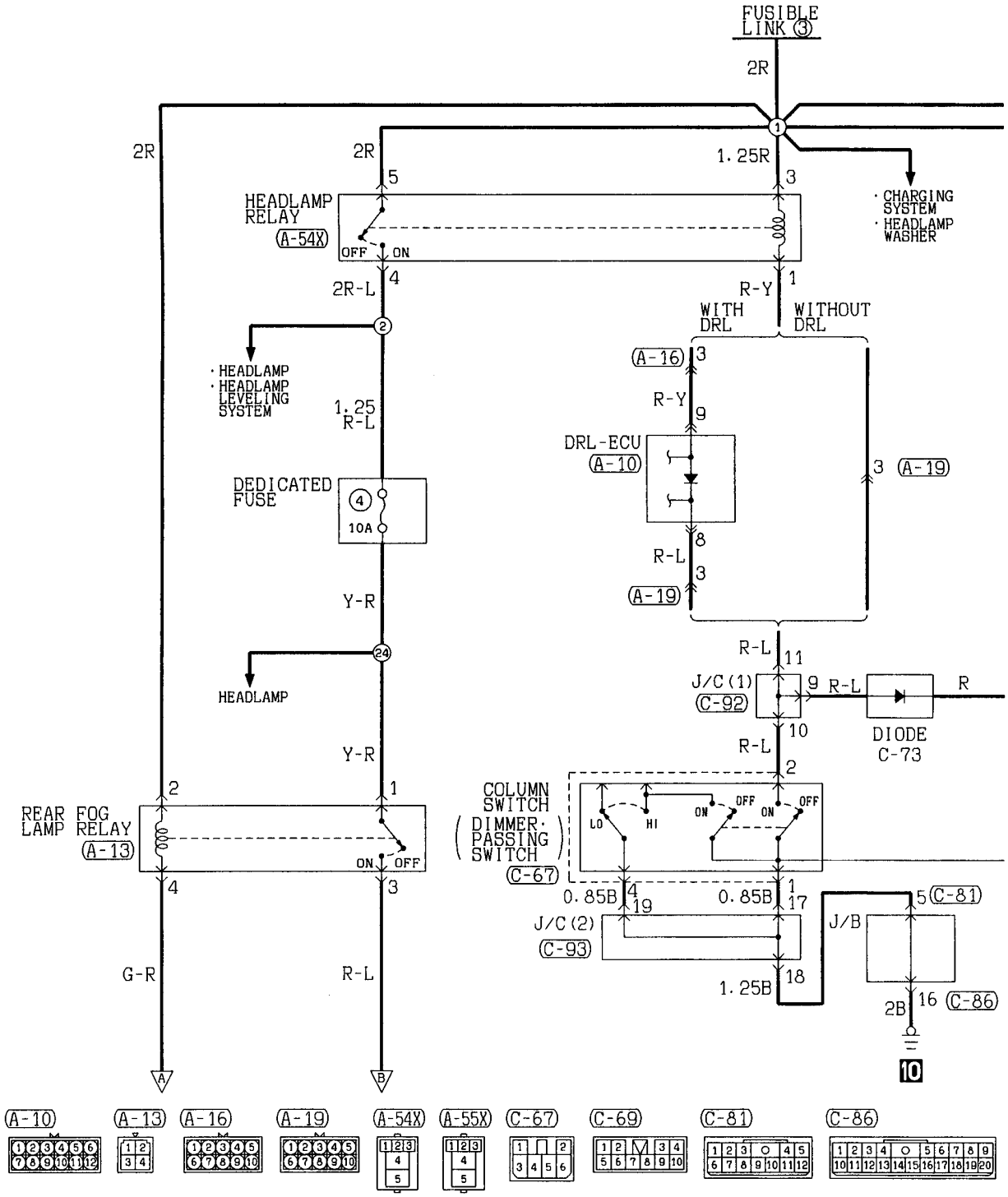
   (2) Headlamps do not go on, either.
   - Check the lighting switch.
   - Check the fusible link No. (3).

2. The rear fog lamp at the one side doesn't illuminate.
   - Check the lamp bulb.

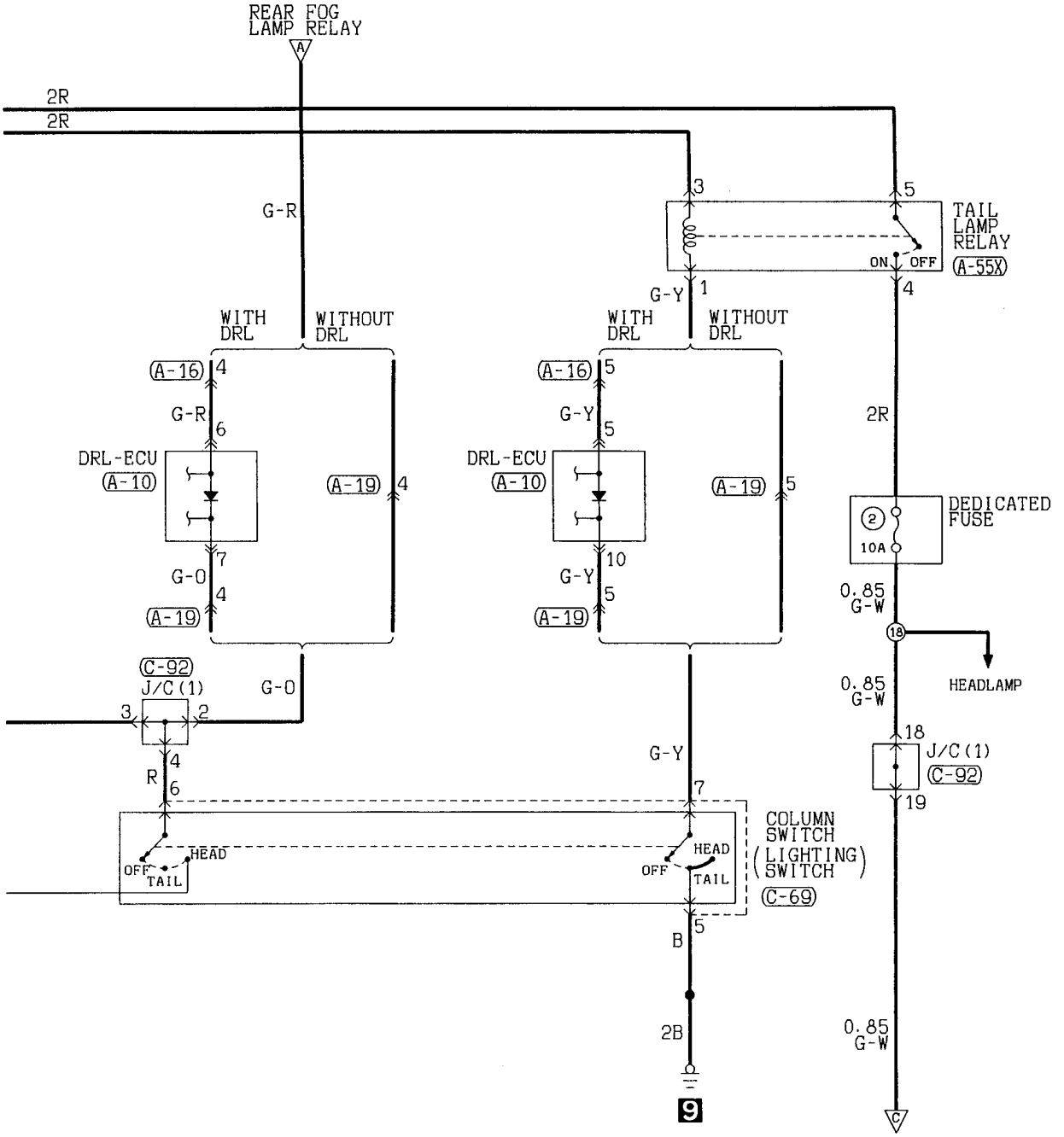
REAR FOG LAMP

90101200112

L.H. drive vehicles <1997 Models>

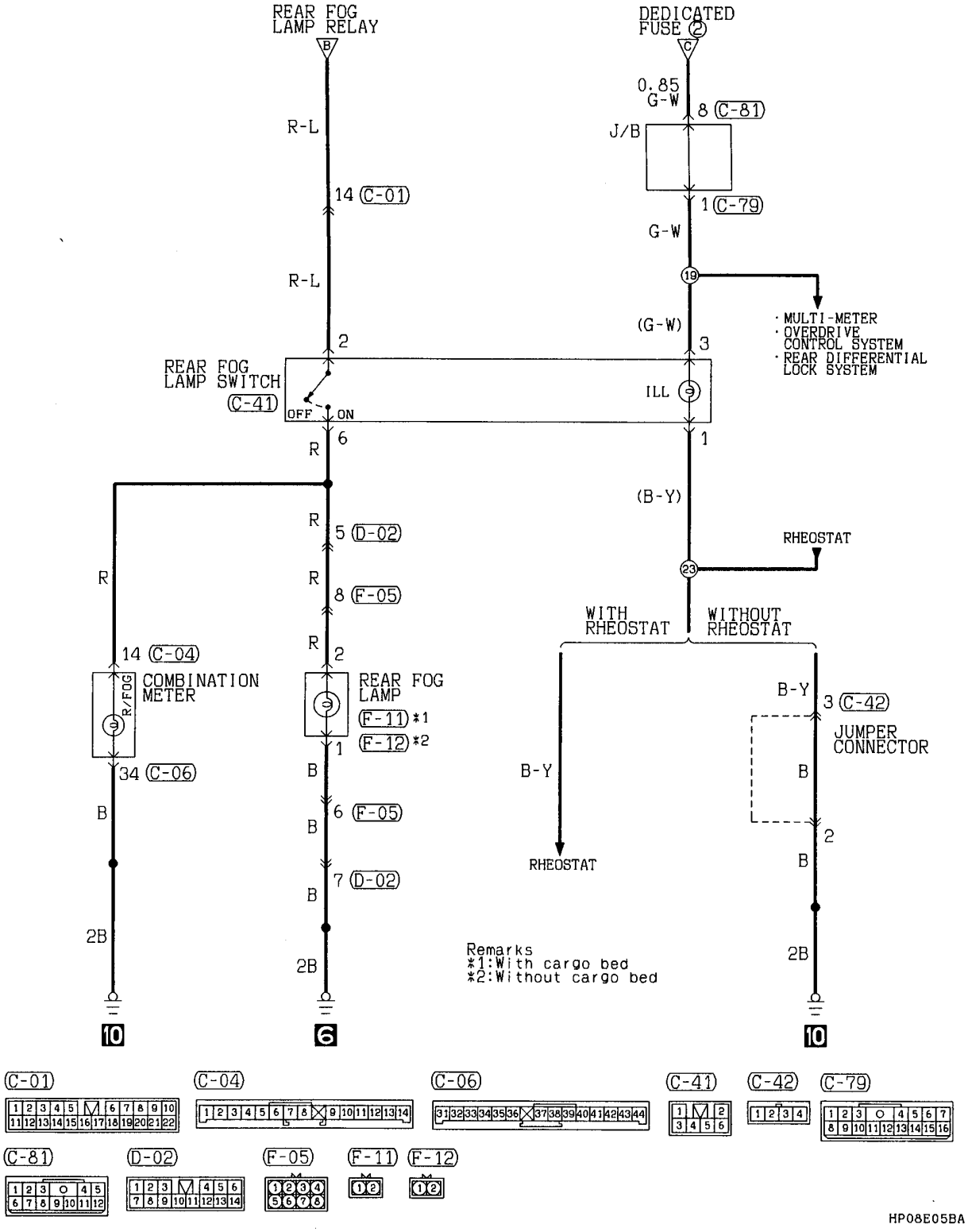


HP08E05AA


REAR FOG LAMP RELAY
A
2R
2R
G-R
3
5
TAIL LAMP RELAY
ON OFF
(A-55X)
G-Y
1
4
WITH DRL
WITHOUT DRL
WITH DRL
WITHOUT DRL
(A-16)
4
G-R
6
DRL-ECU
(A-10)
(A-19)
4
7
G-O
4
(A-19)
(A-16)
5
G-Y
5
DRL-ECU
(A-10)
(A-19)
5
10
G-Y
5
(A-19)
2R
DEDICATED FUSE
2
10A
0.85 G-W
18
HEADLAMP
0.85 G-W
18
J/C (1)
(C-92)
19
(C-92)
J/C (1)
G-O
3
2
R
4
6
G-Y
7
COLUMN SWITCH
(LIGHTING SWITCH)
(C-69)
OFF
HEAD
TAIL
OFF
HEAD
TAIL
B
5
2B
9
0.85 G-W
C
(C-92)
(C-93)
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19

HP08E05AB

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

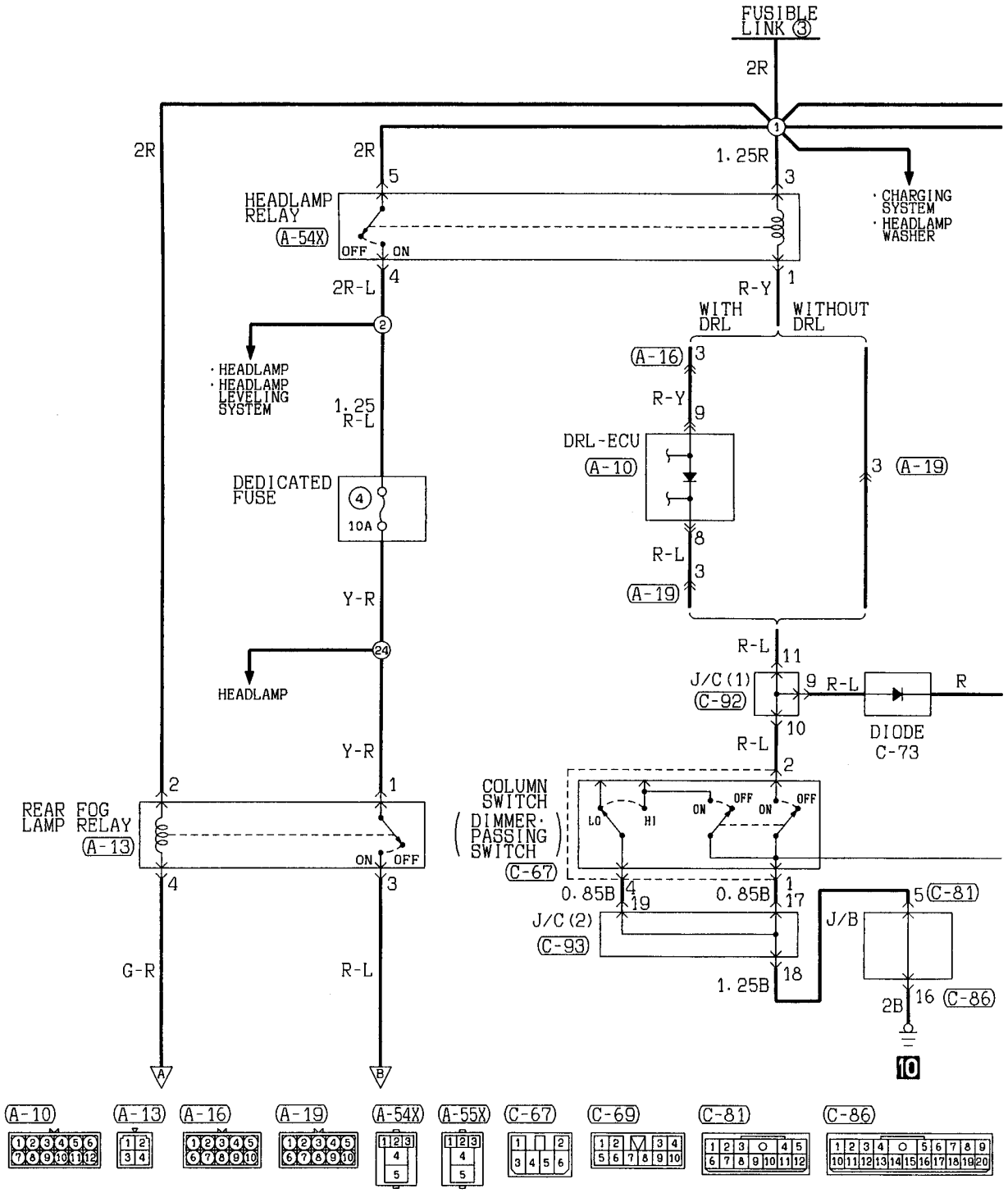


NOTES

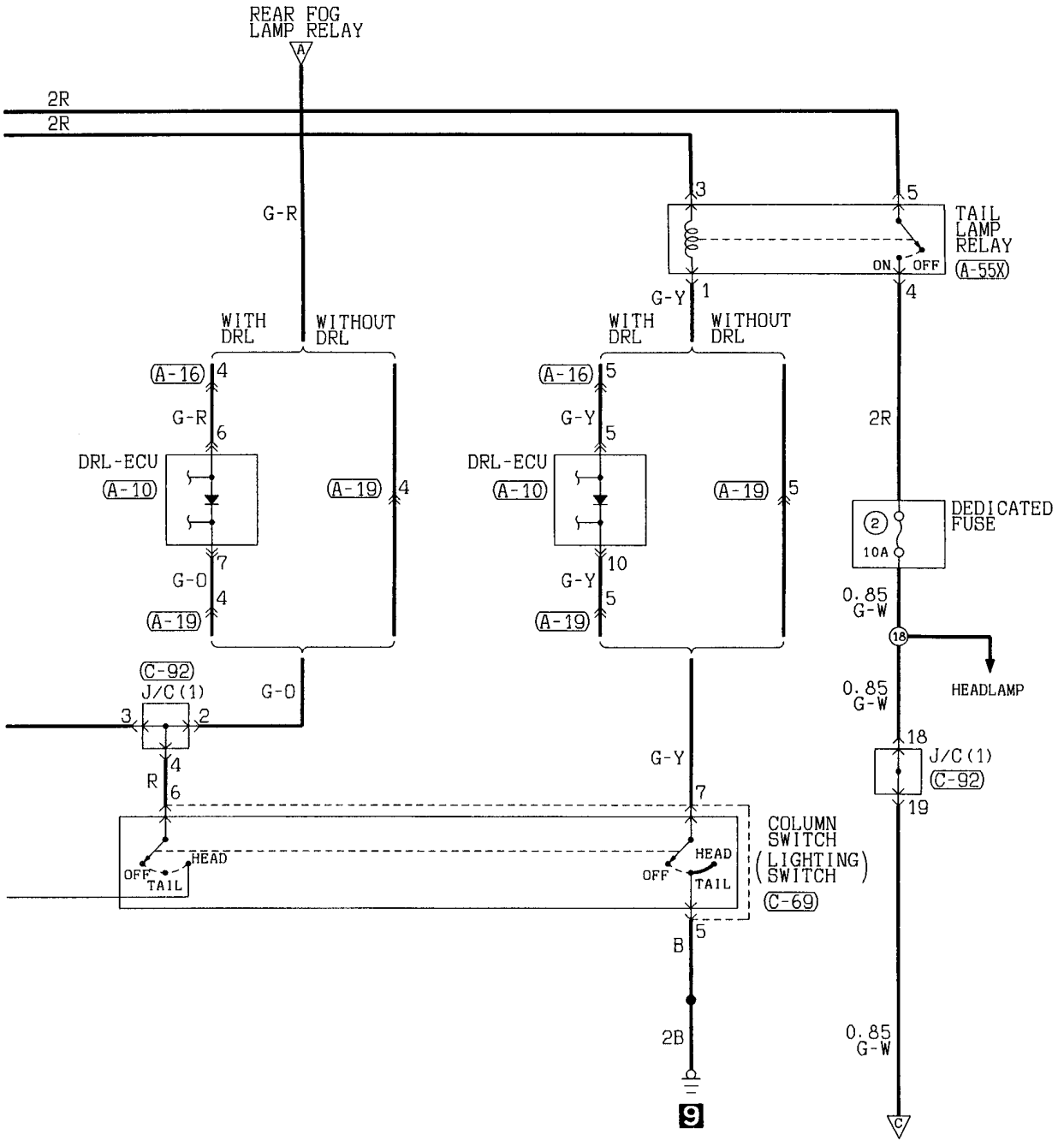
REAR FOG LAMP

90101200365

L.H. drive vehicles <1998 Models>

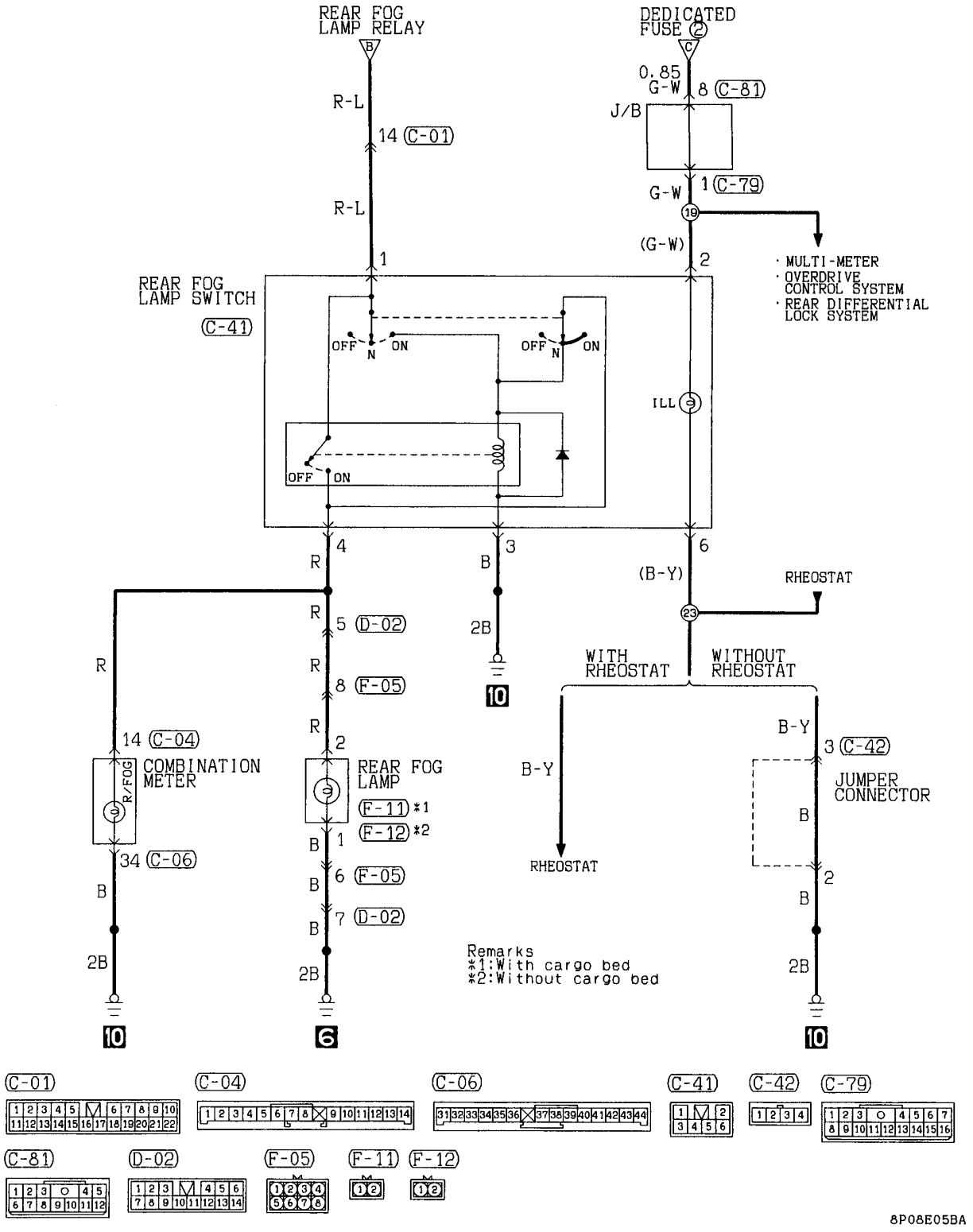


8P08E05AA


REAR FOG LAMP RELAY
A
2R
2R
G-R
3
5
TAIL LAMP RELAY
ON
OFF
A-55X
G-Y
1
4
WITH DRL
WITHOUT DRL
WITH DRL
WITHOUT DRL
A-16
4
G-R
6
DRL-ECU
A-10
A-19
4
7
G-O
4
A-19
A-16
5
G-Y
5
DRL-ECU
A-10
A-19
5
10
G-Y
5
A-19
2R
2
10A
DEDICATED FUSE
0.85
G-W
18
HEADLAMP
0.85
G-W
18
J/C (1)
C-92
19
C-92
J/C (1)
G-O
3
2
4
R
6
G-Y
7
COLUMN SWITCH
(LIGHTING SWITCH)
C-69
OFF
HEAD
TAIL
OFF
HEAD
TAIL
5
B
2B
9
0.85
G-W
C
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

8P08E05AB

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

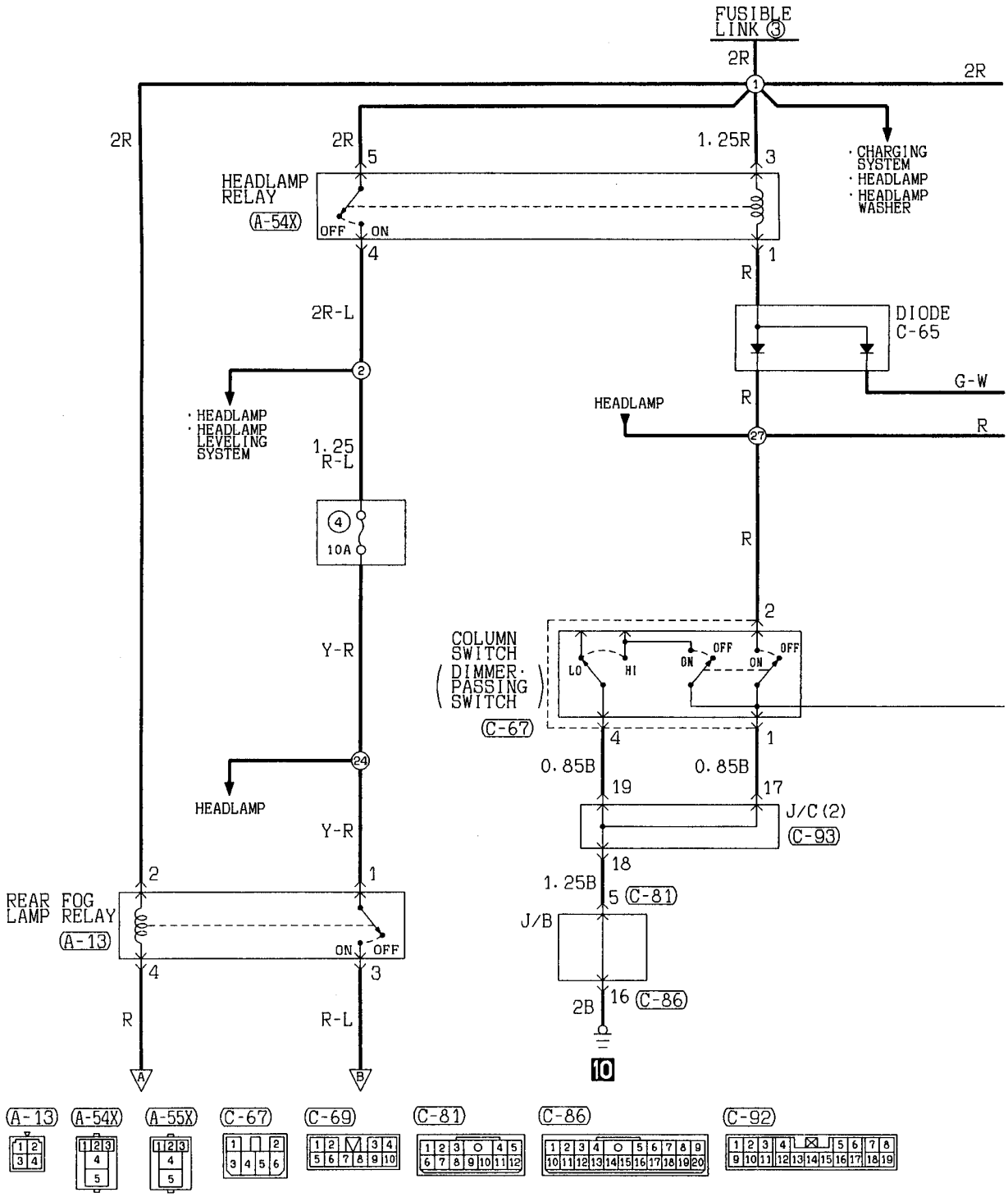


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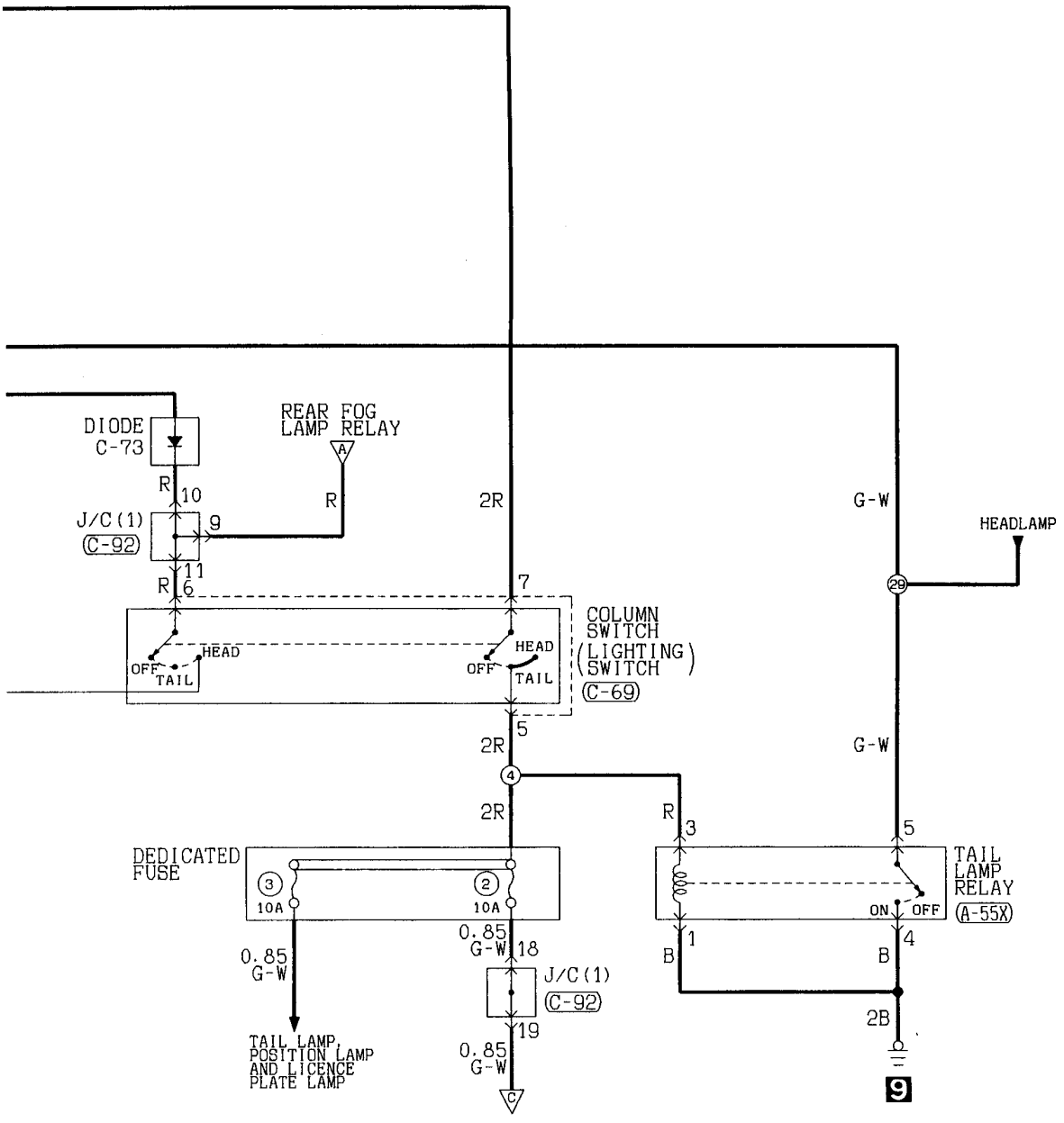
REAR FOG LAMP

90101200129

R.H. drive vehicles <1997 Models>

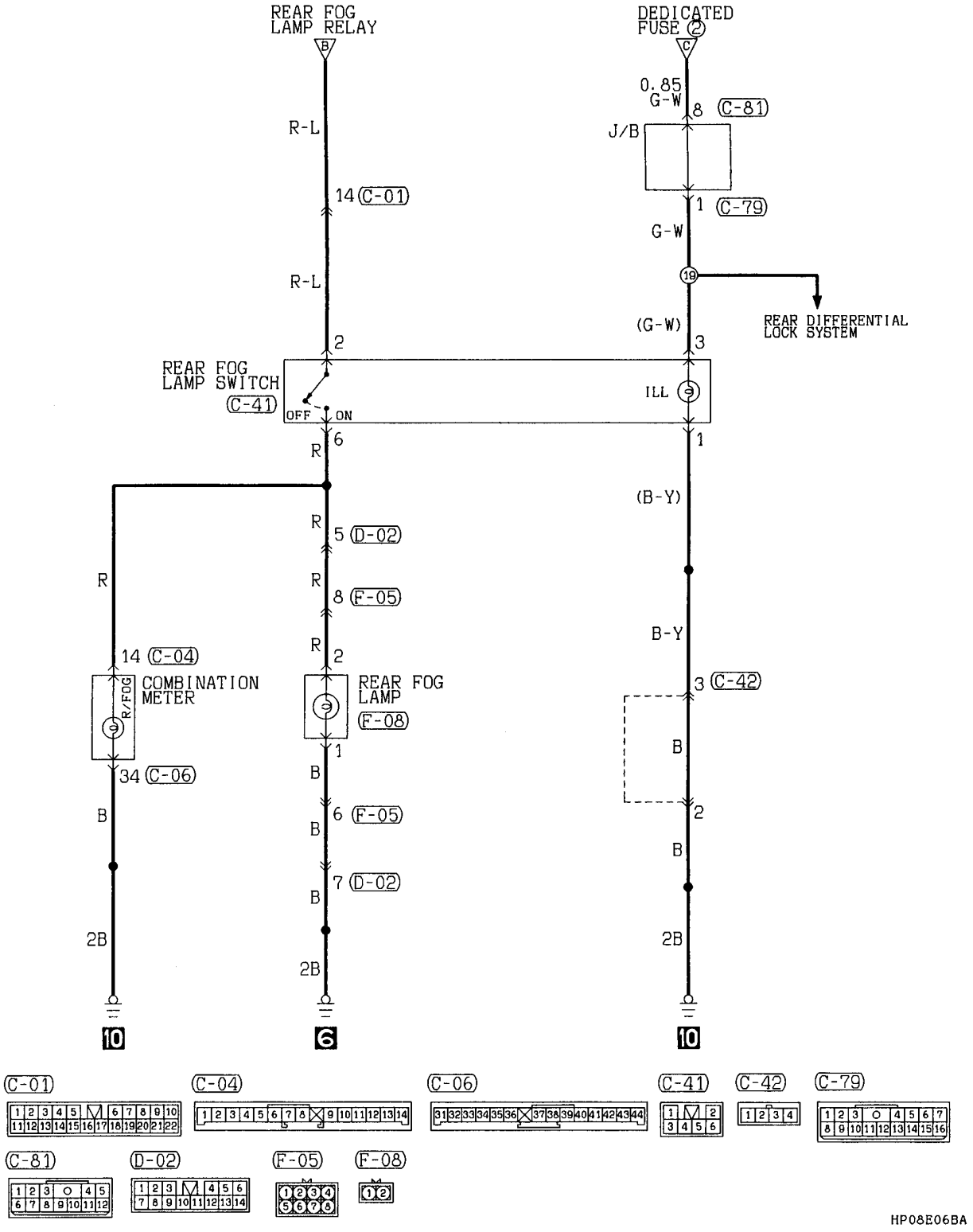


HP08E06AA


DIODE
C-73
REAR FOG
LAMP RELAY
A
R
10
R
J/C (1)
C-92
9
11
R
6
2R
7
G-W
HEADLAMP
29
COLUMN
SWITCH
(LIGHTING
SWITCH)
C-69
OFF
HEAD
TAIL
5
2R
G-W
4
2R
R
3
5
DEDICATED
FUSE
3
10A
2
10A
TAIL
LAMP
RELAY
A-55X
ON
OFF
0.85
G-W
18
0.85
G-W
B
1
B
4
J/C (1)
C-92
19
2B
TAIL LAMP,
POSITION LAMP
AND LICENCE
PLATE LAMP
0.85
G-W
C
9
C-93
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19

HP08E06AB

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



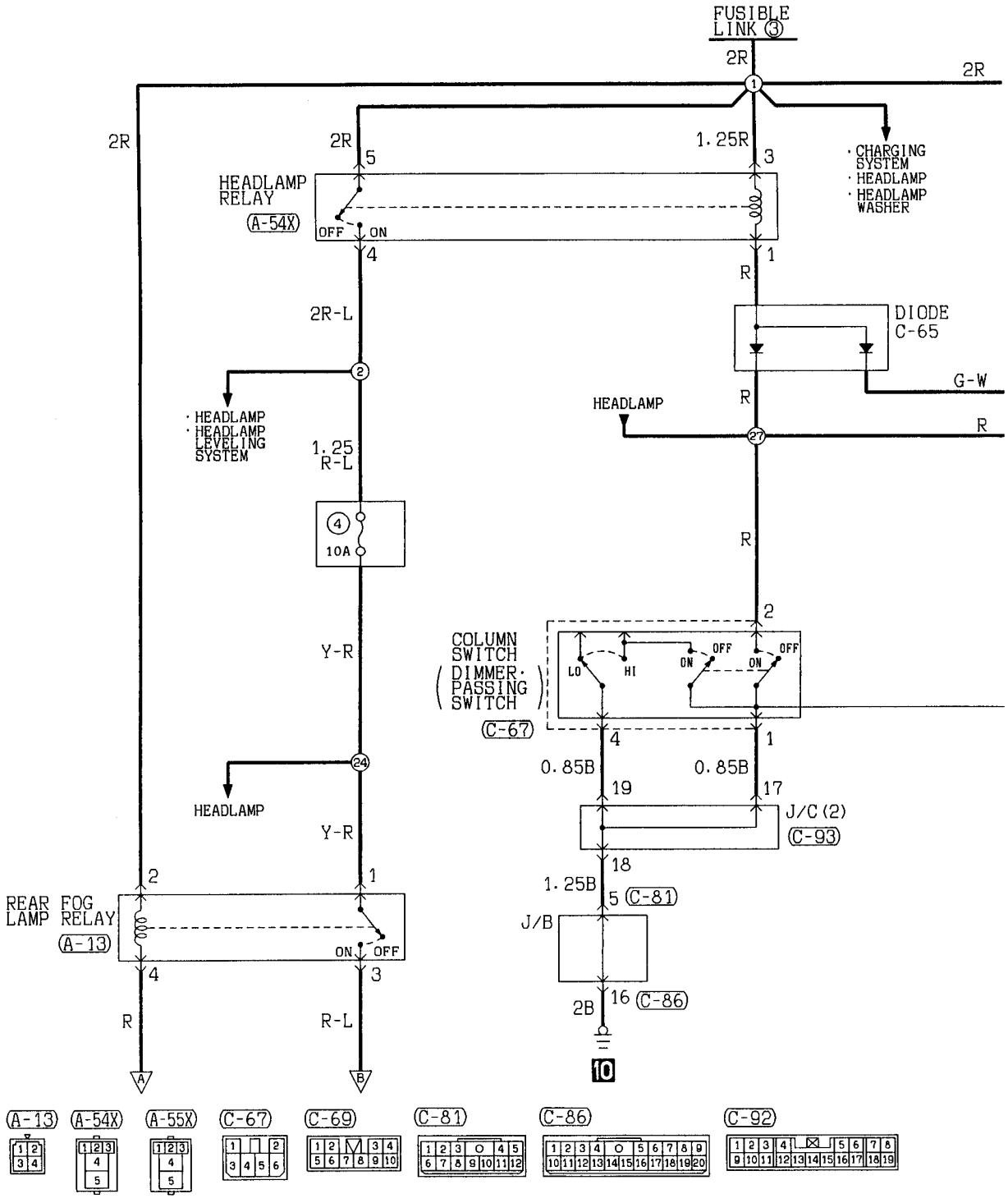
HP08E06BA

NOTES

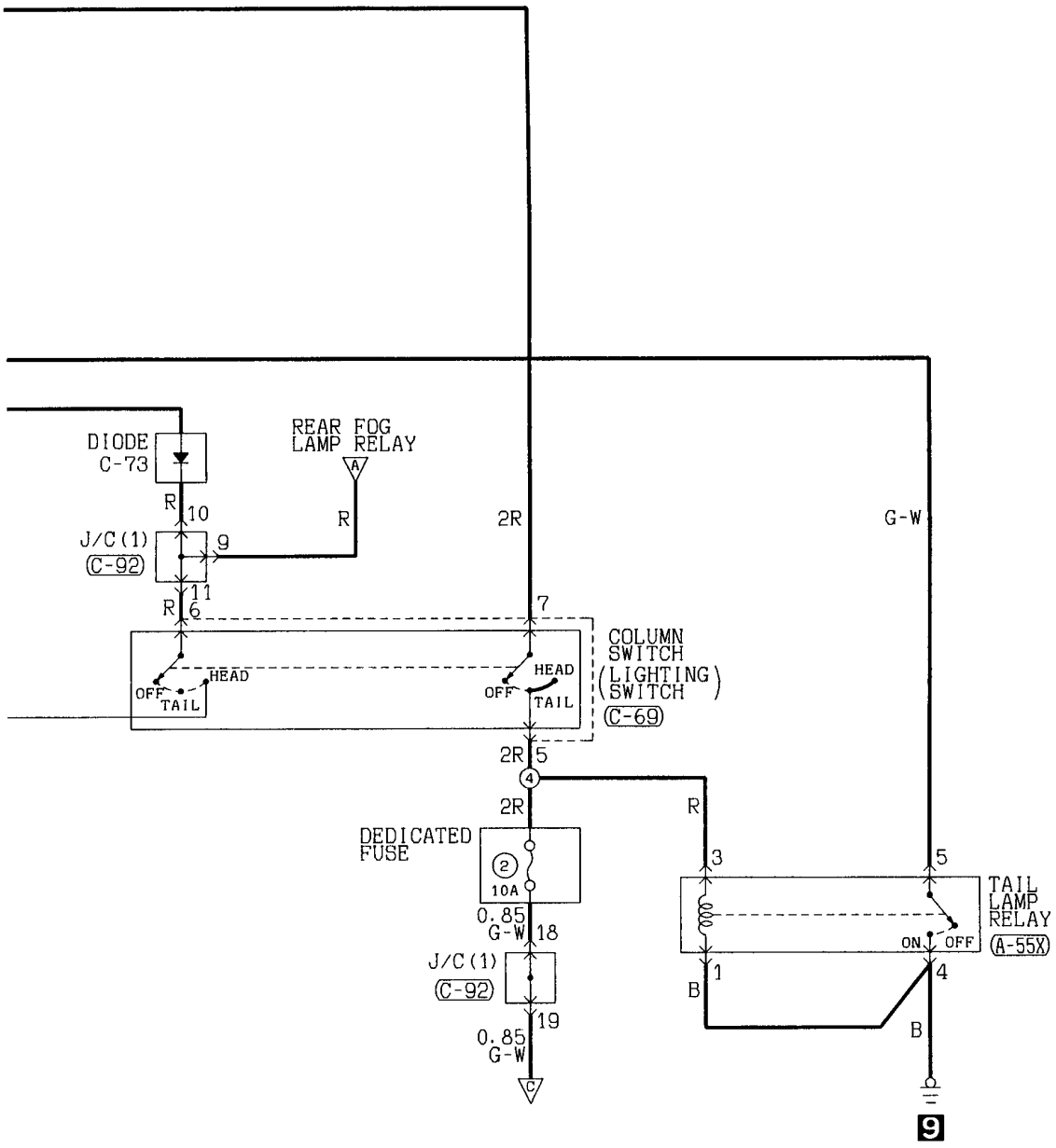
REAR FOG LAMP

90101200372

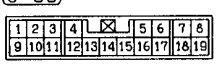
R.H. drive vehicles <1998 Models>



8P08E06AA

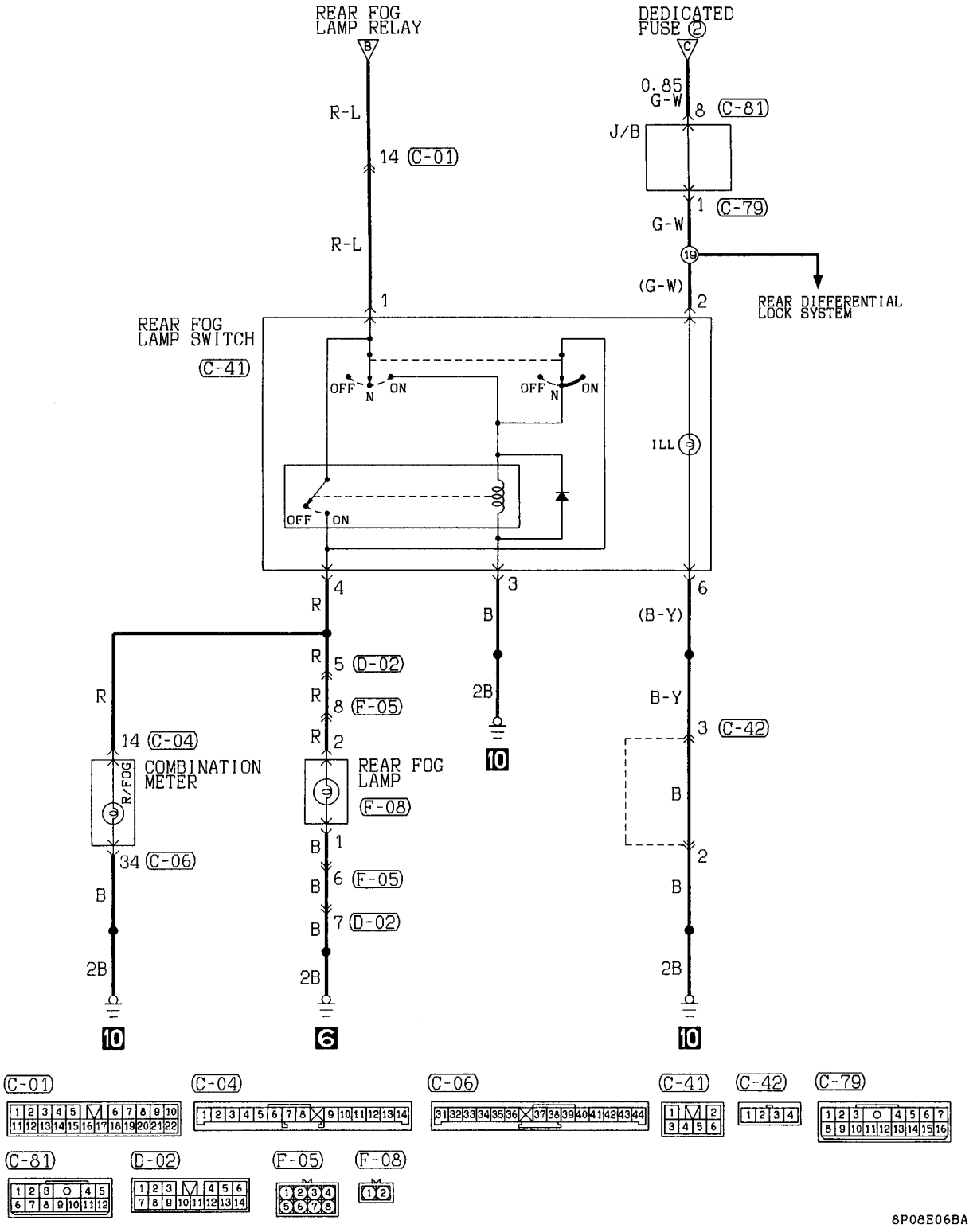


C-93



8P08E06AB

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



8P08E06BA

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 abgle, 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.

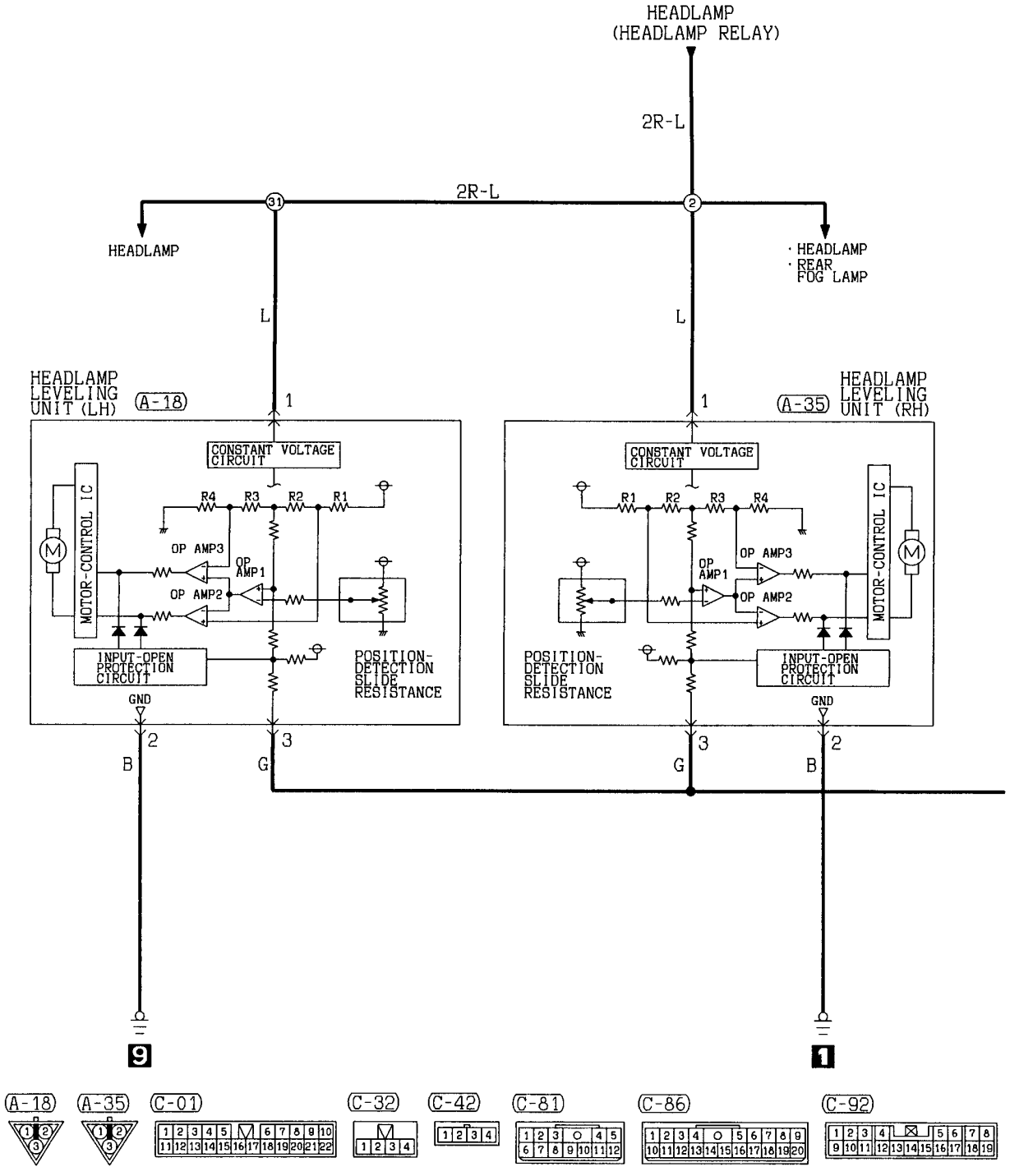
TROUBLESHOOTING HINTS

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.

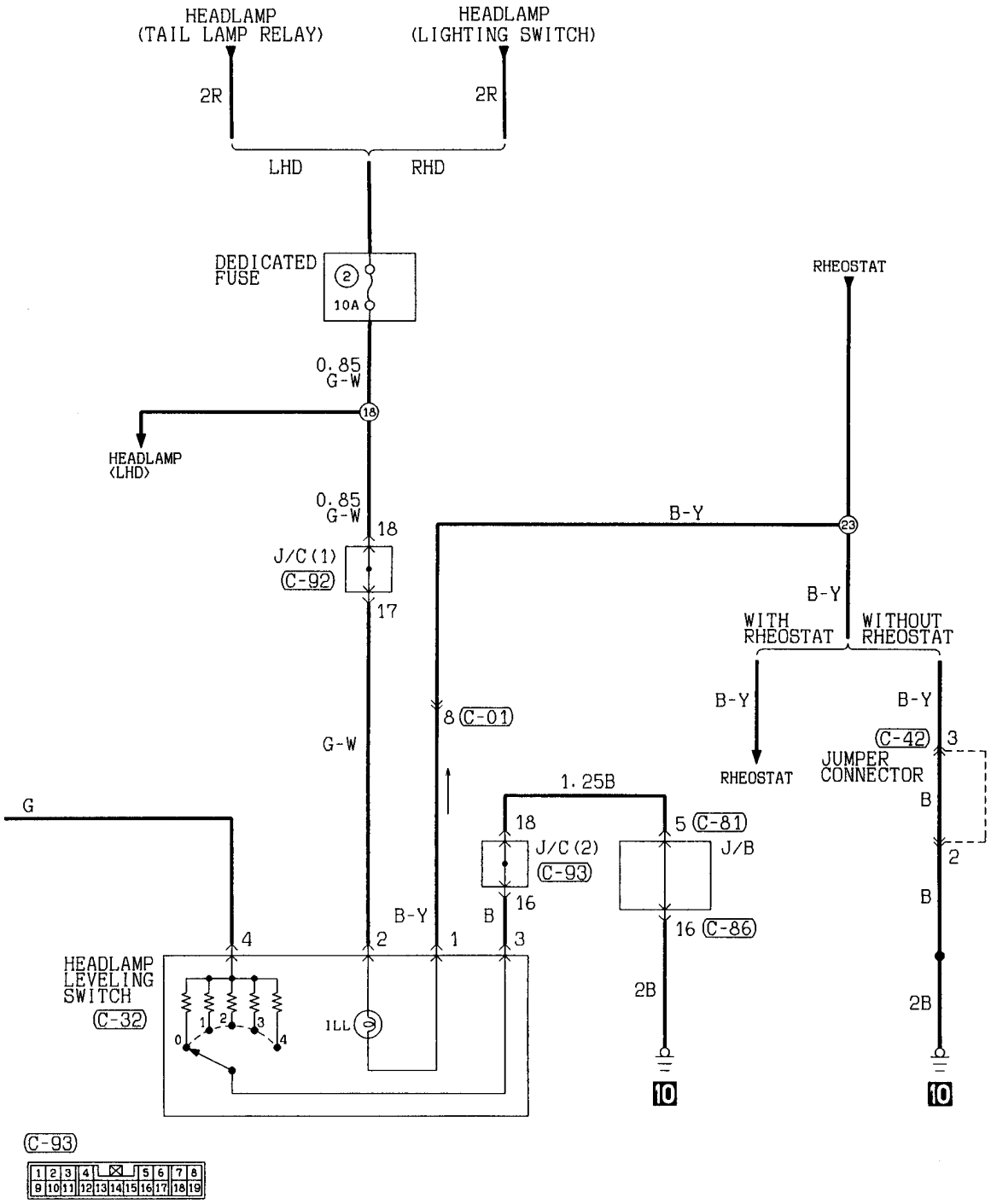
HEADLAMP LEVELING SYSTEM

90101250131

1997 Models



HP08E07AA

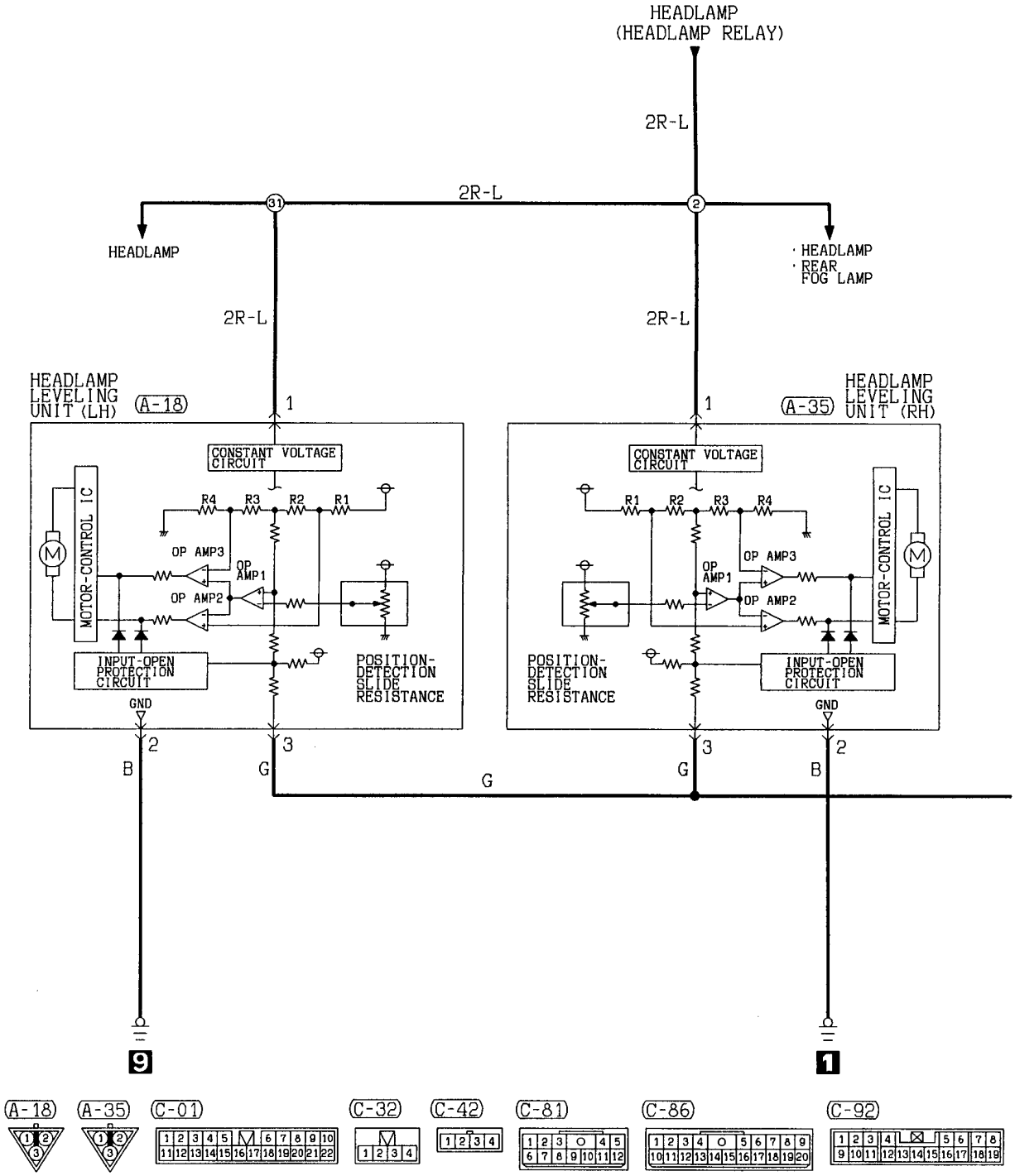

HEADLAMP
(TAIL LAMP RELAY)
HEADLAMP
(LIGHTING SWITCH)
2R
2R
LHD
RHD
DEDICATED
FUSE
2
10A
0.85
G-W
18
HEADLAMP
(LHD)
0.85
G-W
18
J/C (1)
C-92
17
G-W
RHEOSTAT
B-Y
23
B-Y
WITH
RHEOSTAT
WITHOUT
RHEOSTAT
B-Y
B-Y
RHEOSTAT
C-42
3
JUMPER
CONNECTOR
B
2
B
2B
2B
8 C-01
1.25B
18
J/C (2)
C-93
16
B
B-Y
5 C-81
J/B
16 C-86
G
4
2
1
3
HEADLAMP
LEVELING
SWITCH
C-32
ILL
10
10
C-93
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19

HP08E07AB

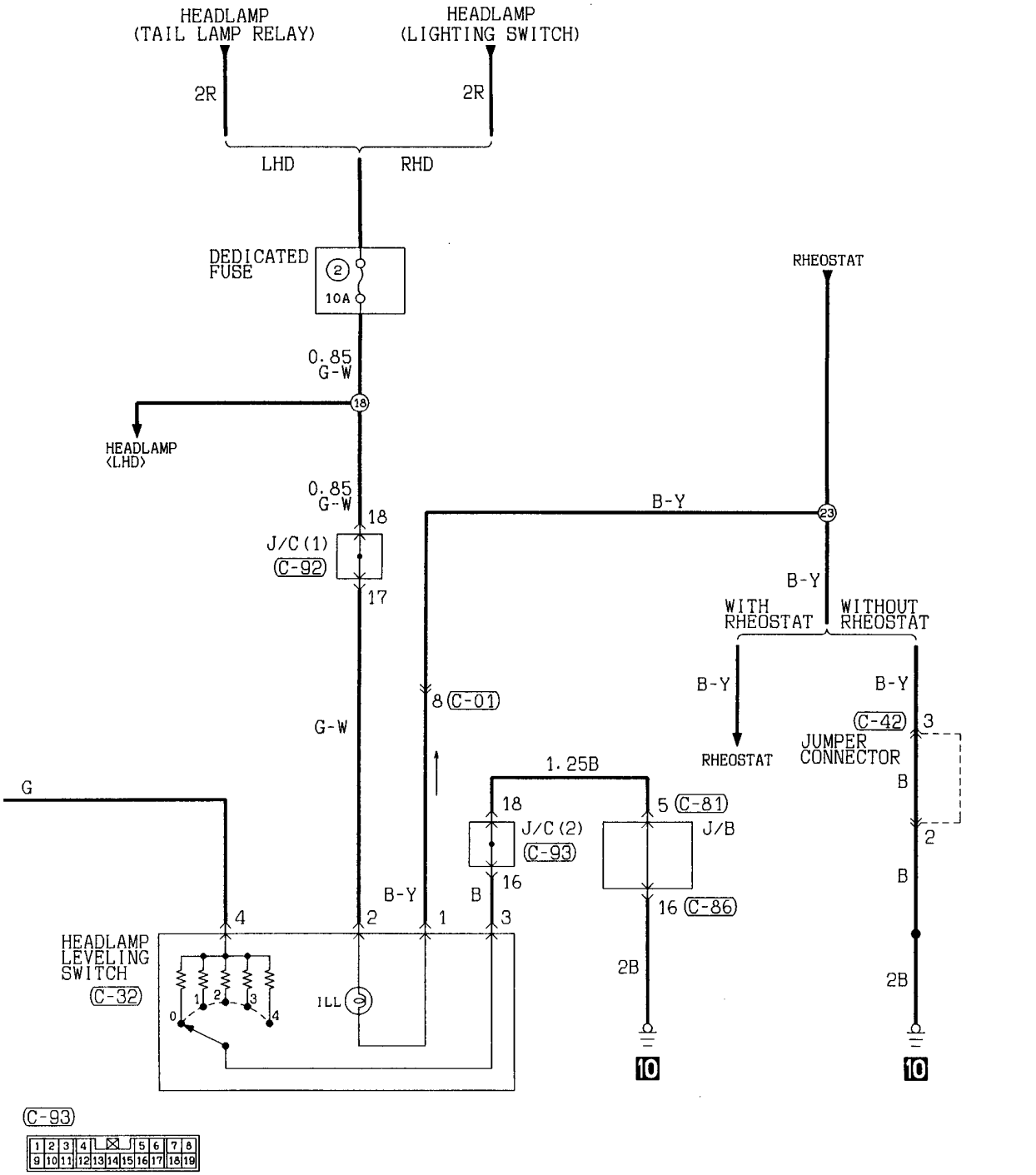
HEADLAMP LEVELING SYSTEM

90101250223

1998 Models



8P08E07AA

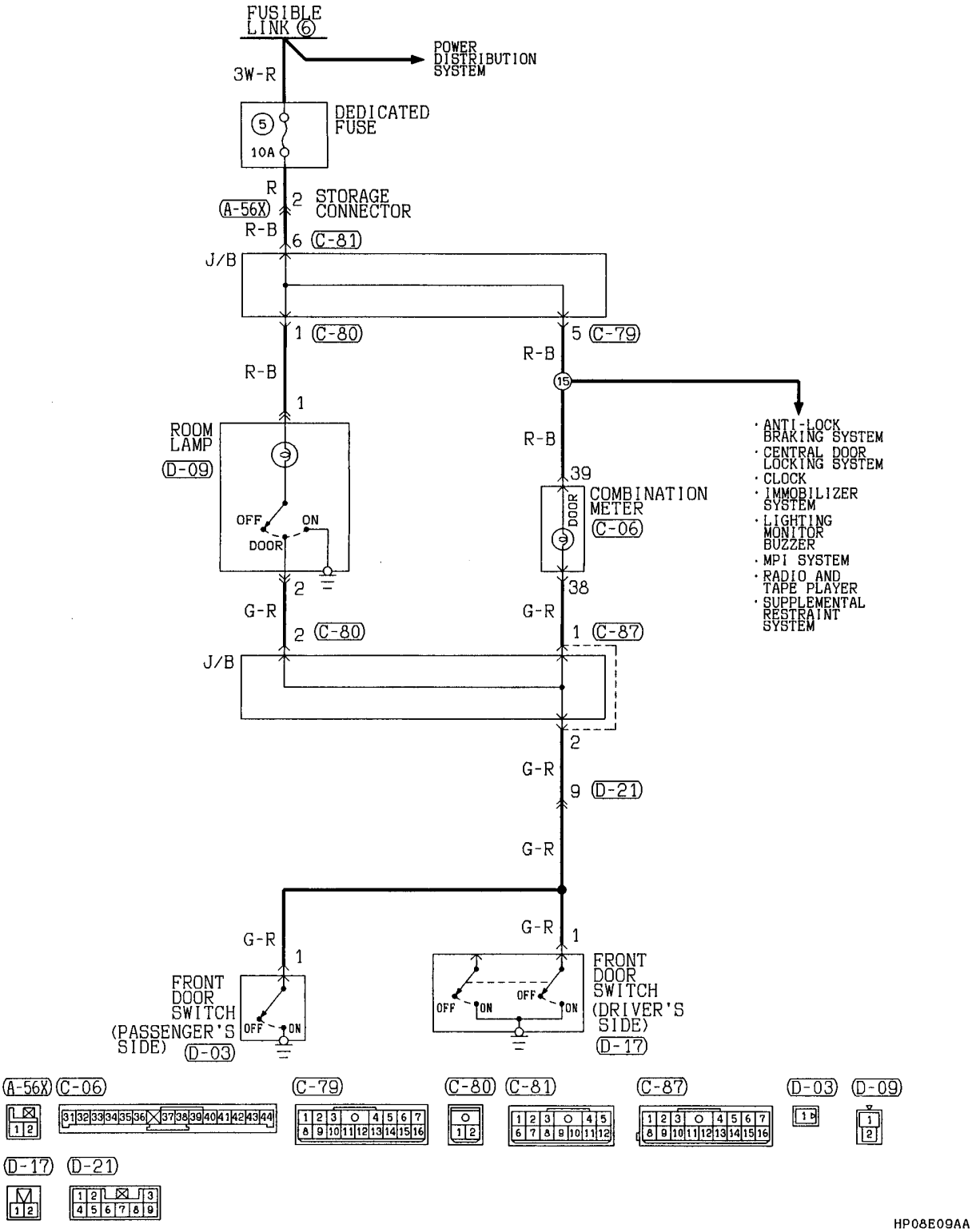

HEADLAMP
(TAIL LAMP RELAY)
HEADLAMP
(LIGHTING SWITCH)
2R
2R
LHD
RHD
DEDICATED
FUSE
2
10A
0.85
G-W
18
HEADLAMP
<LHD>
0.85
G-W
18
J/C (1)
C-92
17
G-W
G
4
HEADLAMP
LEVELING
SWITCH
C-32
0
1
2
3
4
ILL
9
B-Y
2
8 C-01
B-Y
1
B
3
16
J/C (2)
C-93
18
1.25B
5 C-81
J/B
16 C-86
2B
10
RHEOSTAT
23
B-Y
WITH
RHEOSTAT
WITHOUT
RHEOSTAT
B-Y
RHEOSTAT
B-Y
C-42
3
JUMPER
CONNECTOR
B
2
B
2B
10
C-93
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19

8P08E07AB

ROOM LAMP

90100210109

Except double cab

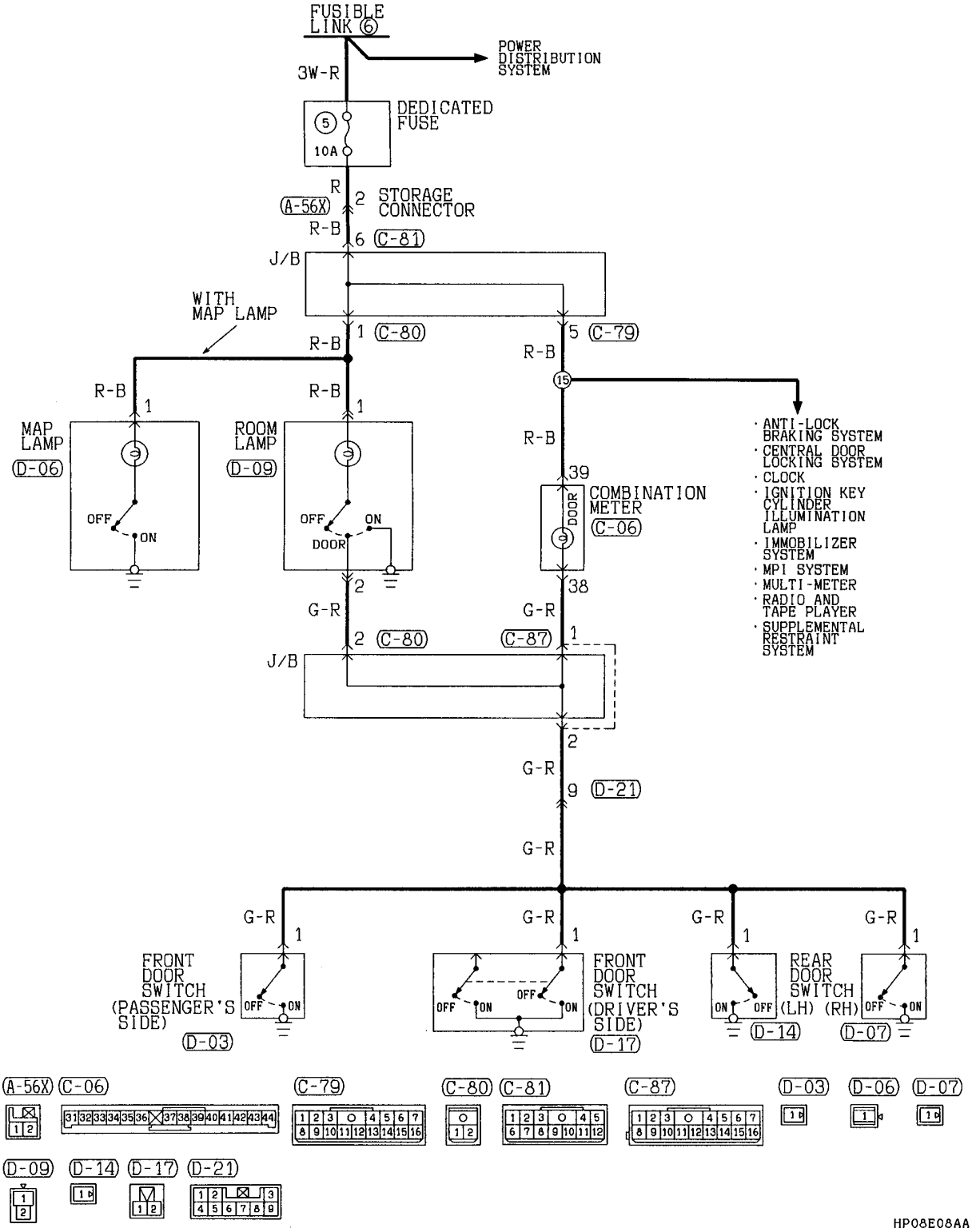


HP08E09AA

ROOM LAMP

90100210116

Double cab



HP08E08AA

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

90100210123

OPERATION

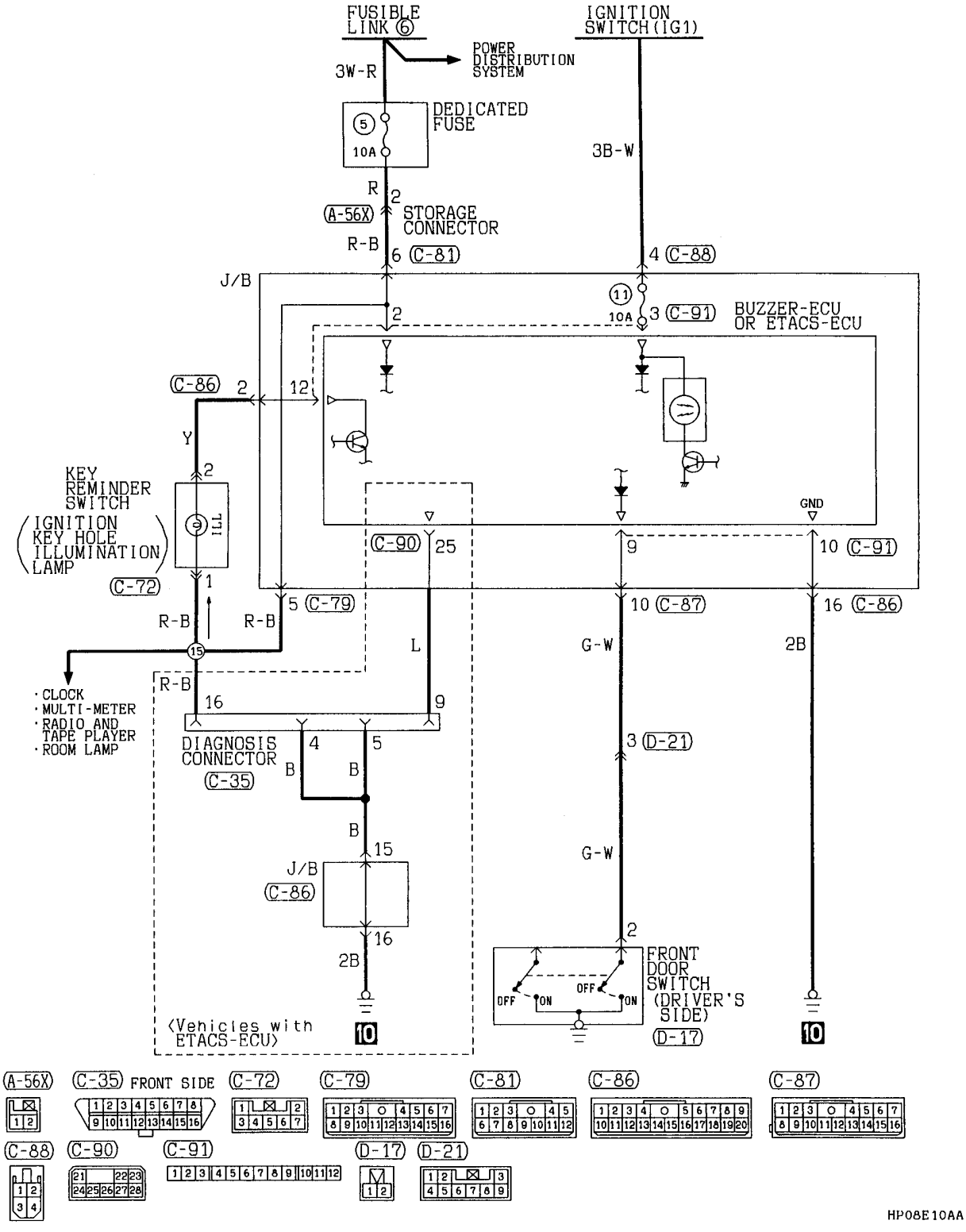
- Placing the room lamp switch in the ON position causes the room lamp to illuminate at all times.
- Opening any one of the doors with the room lamp switch in the DOOR position causes the room lamp to illuminate.
- Closing all doors causes the room lamp to switch off.

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

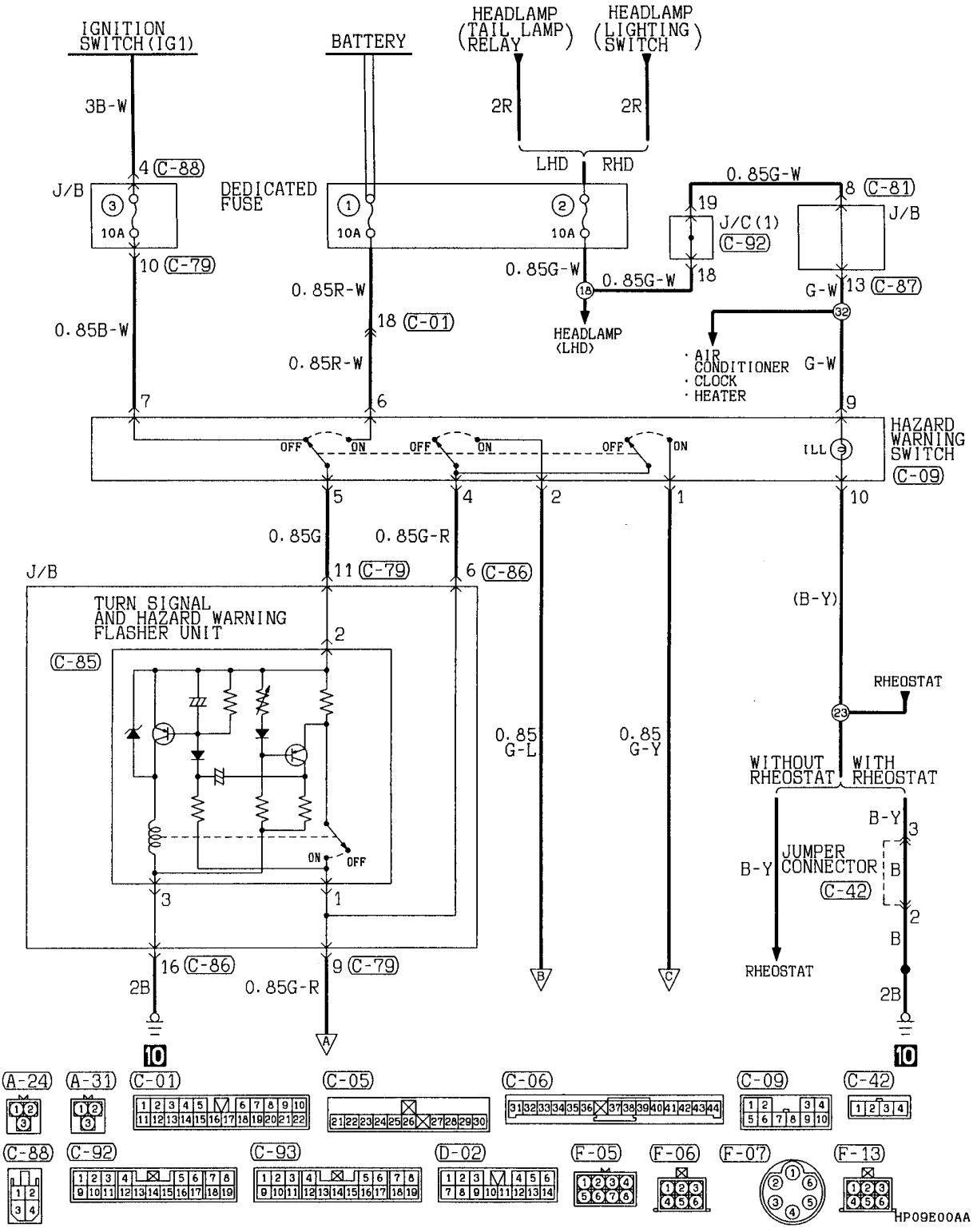


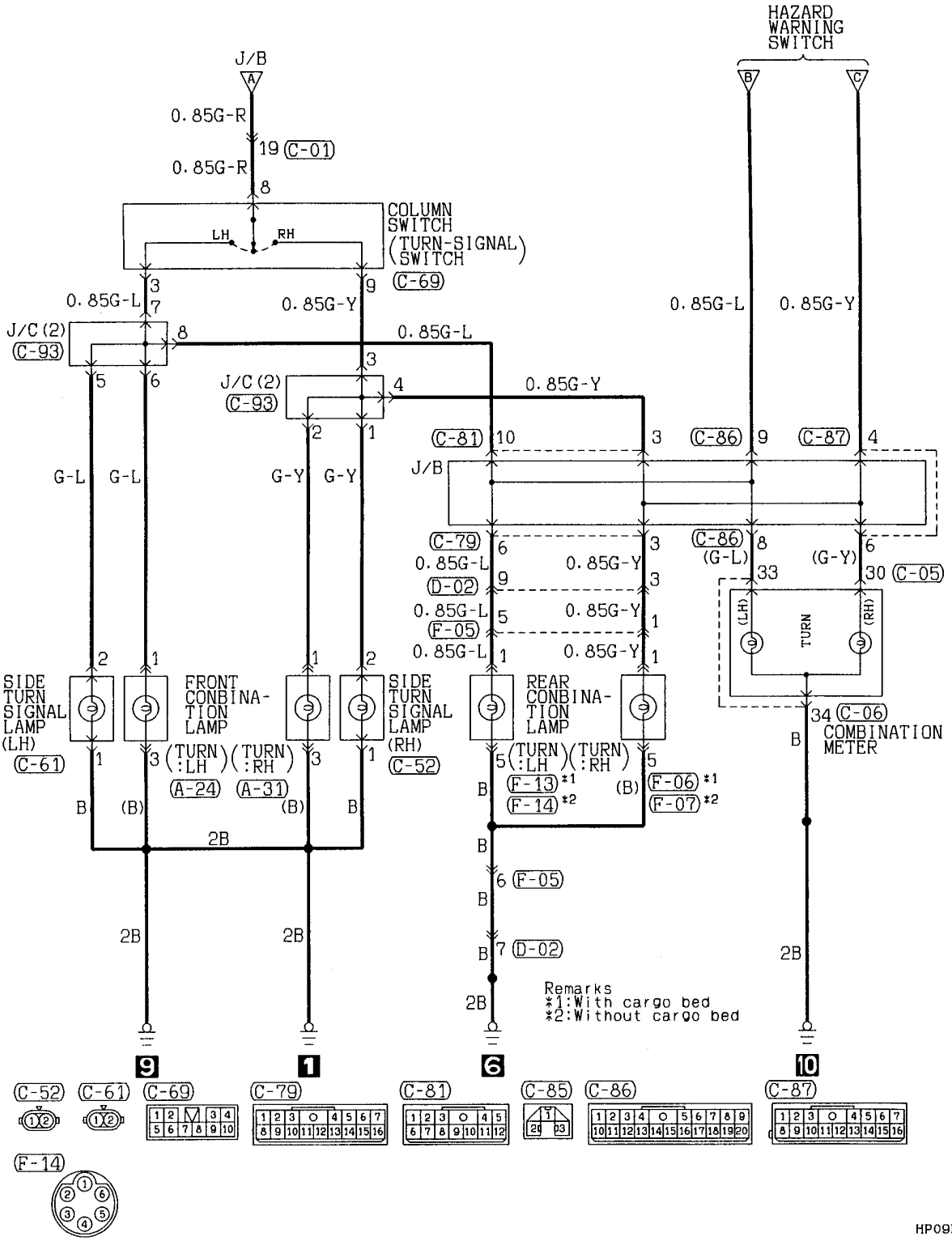
HP08E10AA

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290165

1997 Models



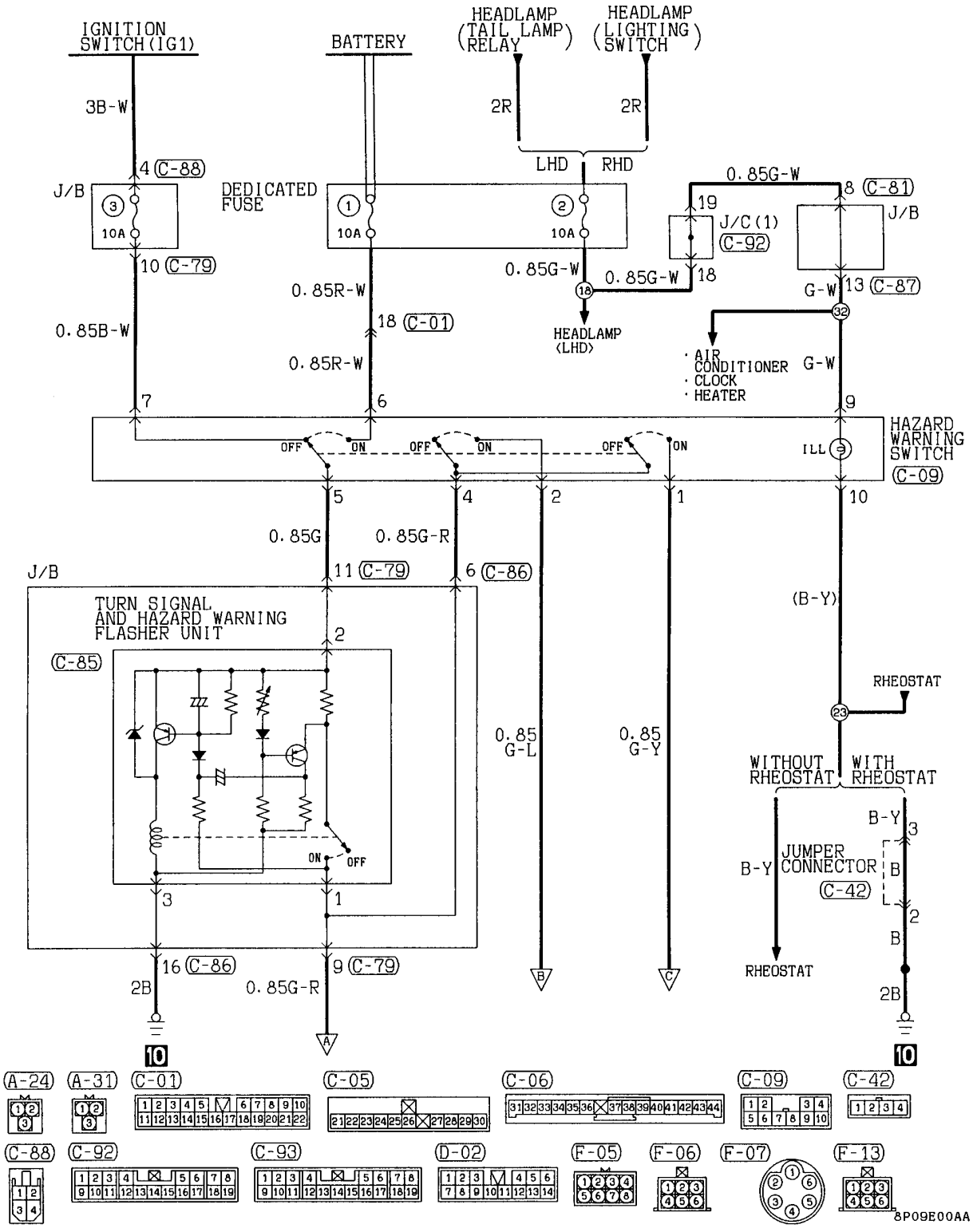

HAZARD WARNING SWITCH
J/B
0.85G-R
19 C-01
0.85G-R
8
COLUMN SWITCH (TURN-SIGNAL) SWITCH
LH
RH
C-69
3
7
9
0.85G-L
0.85G-Y
J/C (2) C-93
8
0.85G-L
5
6
J/C (2) C-93
3
4
0.85G-Y
2
1
C-81 10
3
C-86 9
C-87 4
J/B
G-L
G-L
G-Y
G-Y
C-79 6
3
C-86 8
6
(G-L)
(G-Y)
0.85G-L
0.85G-Y
D-02 9
3
33
30 C-05
0.85G-L
0.85G-Y
F-05 5
1
(LH)
TURN
(RH)
0.85G-L
1
0.85G-Y
1
2
1
1
2
SIDE TURN SIGNAL LAMP (LH) C-61
FRONT CONBINATION LAMP
SIDE TURN SIGNAL LAMP (RH) C-52
REAR CONBINATION LAMP
34 C-06
COMBINATION METER
1
3
(TURN :LH)
(TURN :RH)
3
1
5
(TURN :LH)
(TURN :RH)
5
A-24
A-31
F-13 *1
F-14 *2
F-06 *1
F-07 *2
B
(B)
(B)
B
B
2B
B
6 F-05
B
B
7 D-02
2B
2B
2B
2B
Remarks
*1:With cargo bed
*2:Without cargo bed
9
1
6
10
C-52
C-61
C-69
C-79
C-81
C-85
C-86
C-87
F-14

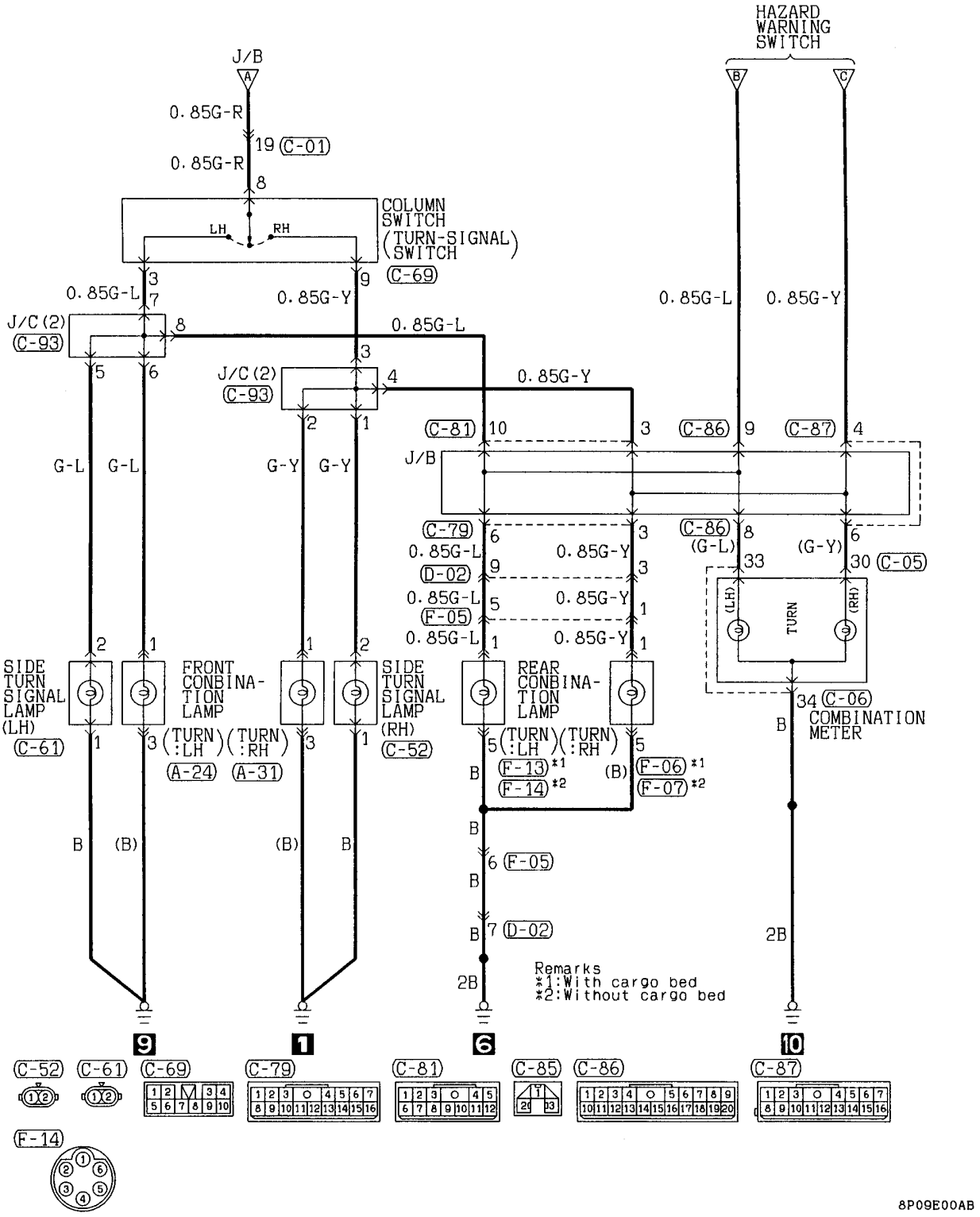
HP09E00AB

TURN-SIGNAL LAMP AND HAZARD WARNING LAMP

90100290486

1998 Models




HAZARD WARNING SWITCH
J/B
0.85G-R
19 C-01
0.85G-R
8
COLUMN SWITCH (TURN-SIGNAL) SWITCH
LH
RH
C-69
0.85G-L
0.85G-Y
J/C (2) C-93
G-L
G-Y
C-81
C-86
C-87
J/B
C-79
D-02
F-05
(G-L)
(G-Y)
C-05
SIDE TURN SIGNAL LAMP (LH) C-61
FRONT CONBINATION LAMP
A-24
A-31
SIDE TURN SIGNAL LAMP (RH) C-52
REAR CONBINATION LAMP
F-13 *1
F-14 *2
F-06 *1
F-07 *2
C-06
COMBINATION METER
2B
Remarks
*1:With cargo bed
*2:Without cargo bed
9
1
6
10
C-52
C-61
C-69
C-79
C-81
C-85
C-86
C-87
F-14
8P09E00AB

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

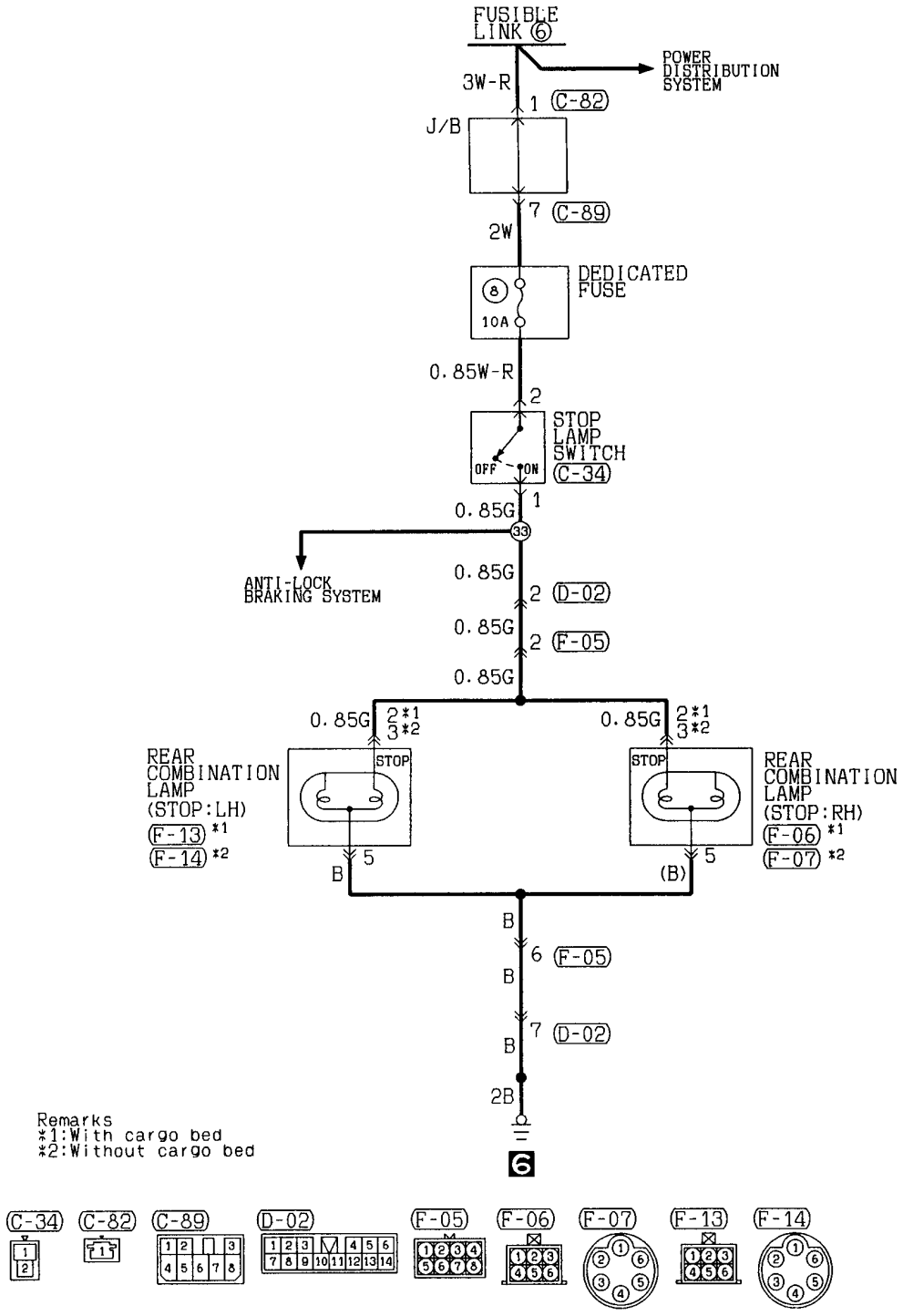
- The number of times the hazard warning lamps flash on and off does not change even when one bulb is out.

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

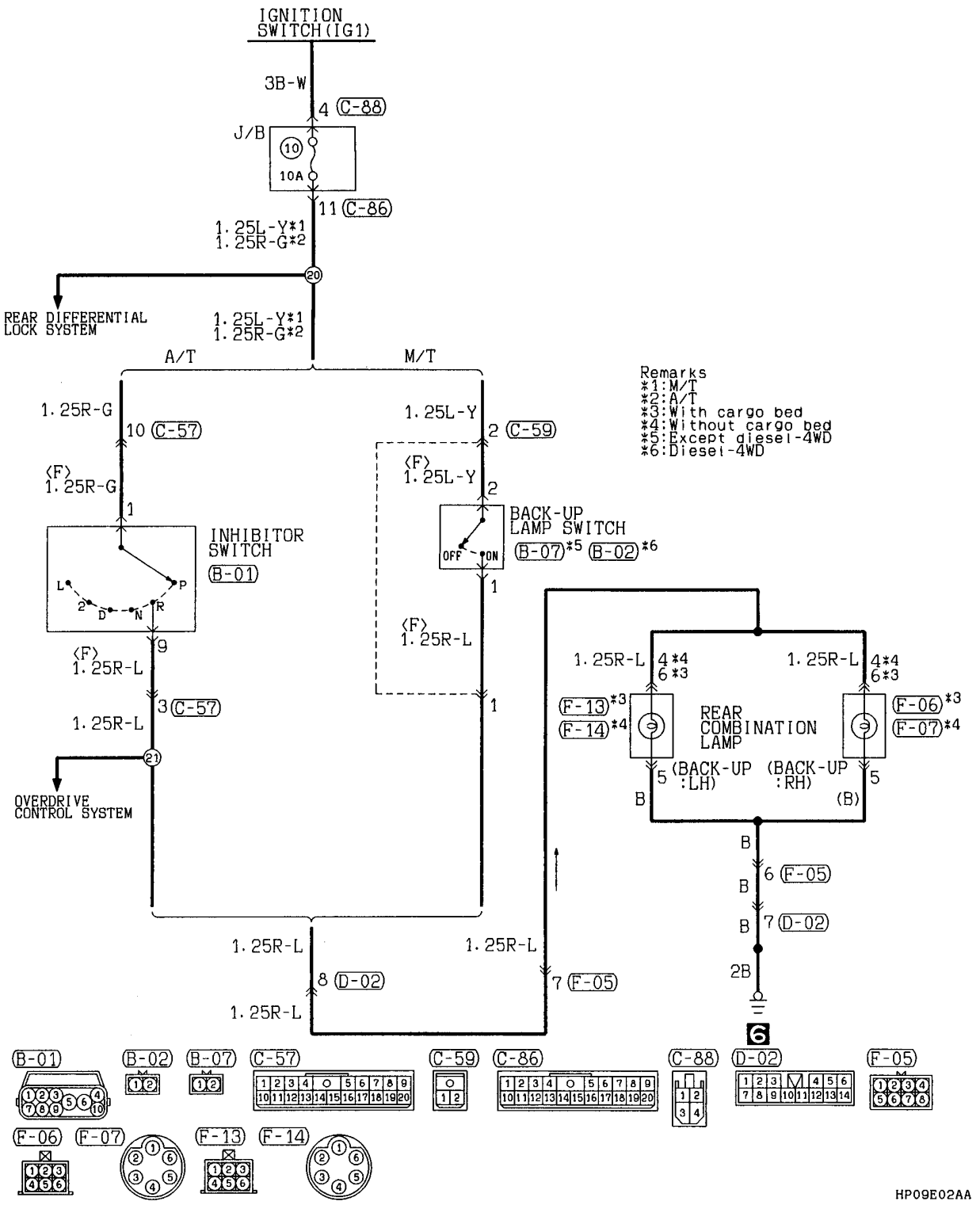
90100300172



HP09E01AA

BACK-UP LAMP

90100310182

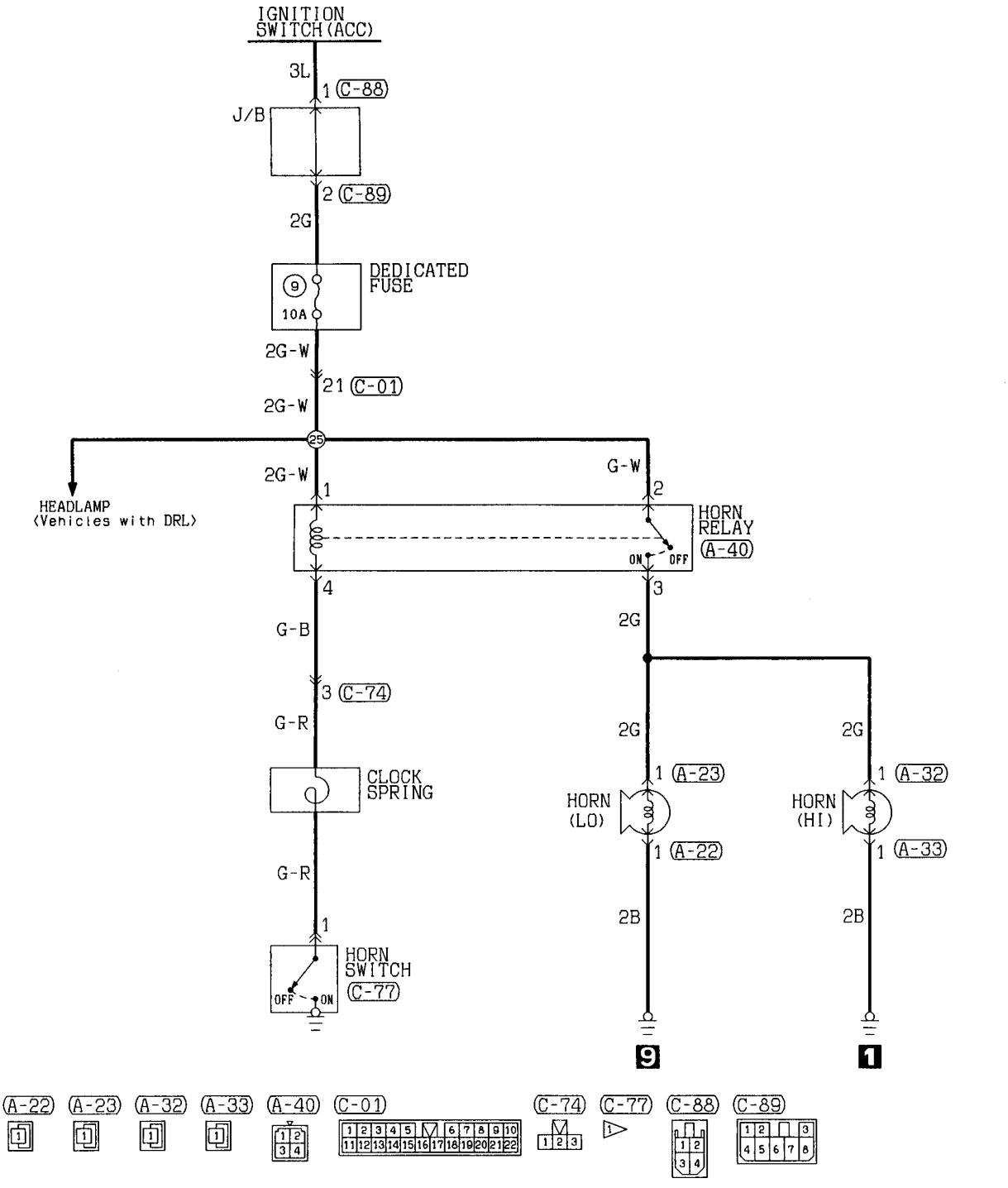


NOTES

HORN

90100330171

Vehicles with SRS

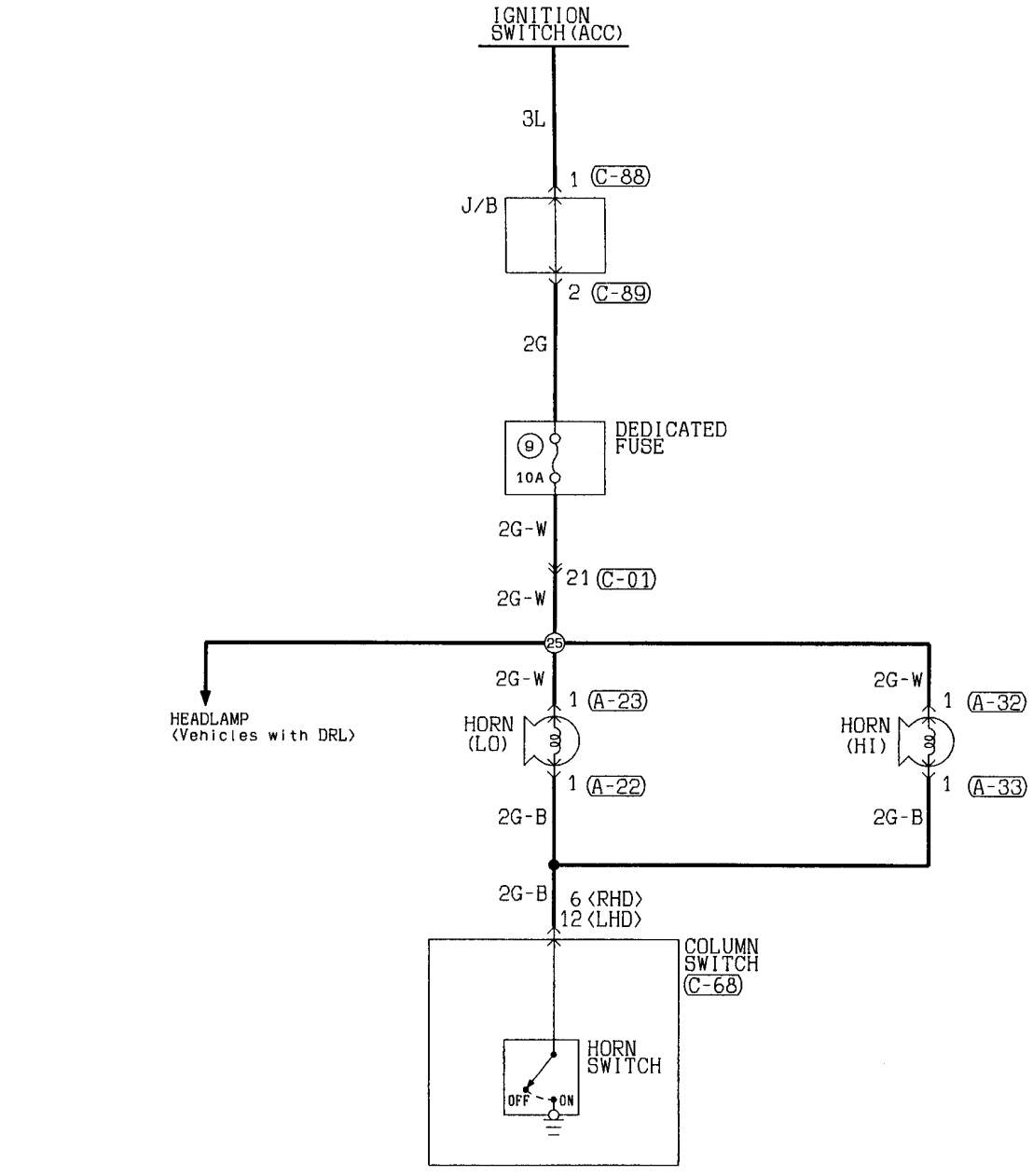


HP09E03AA

HORN

90100330188

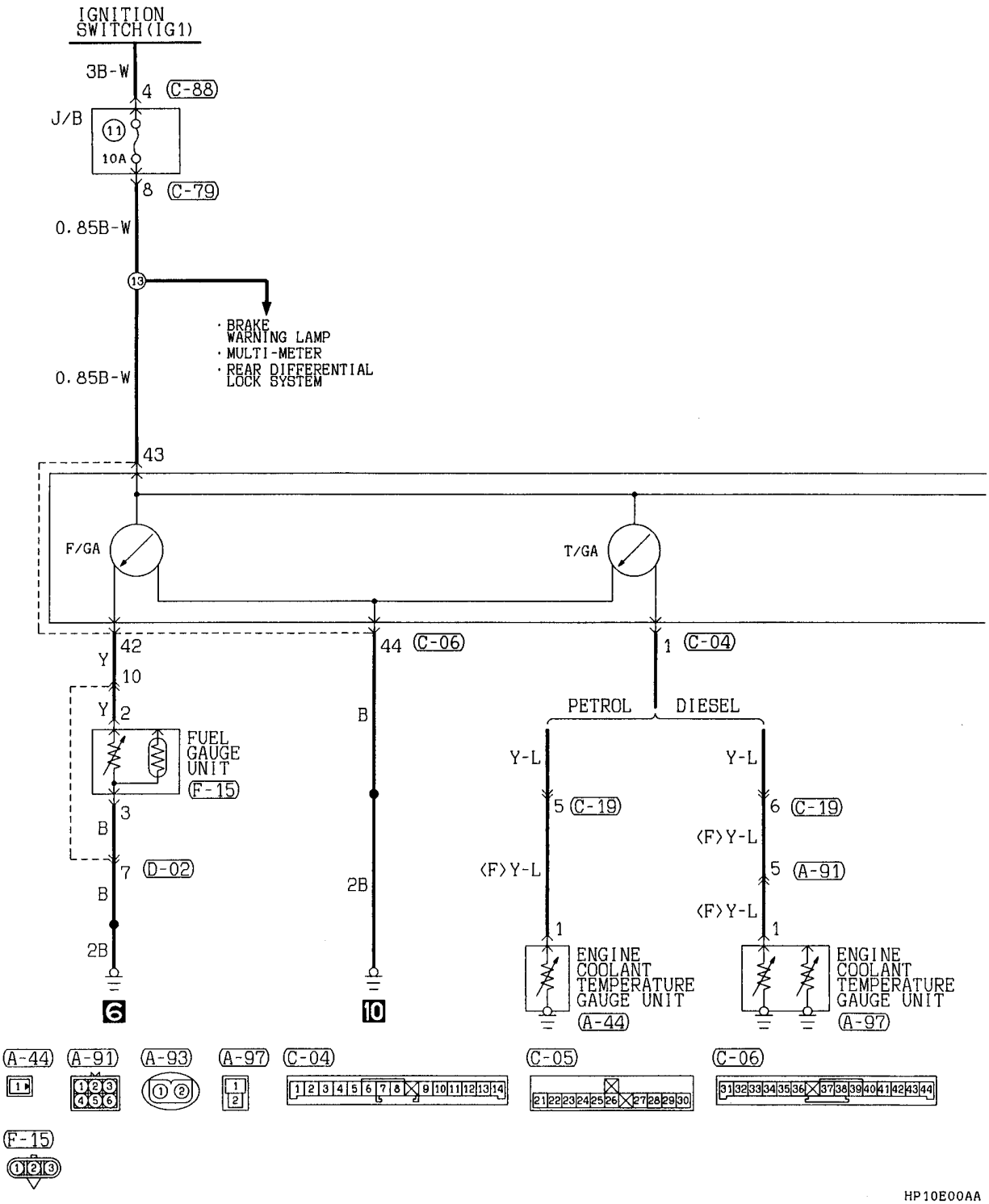
Vehicles without SRS



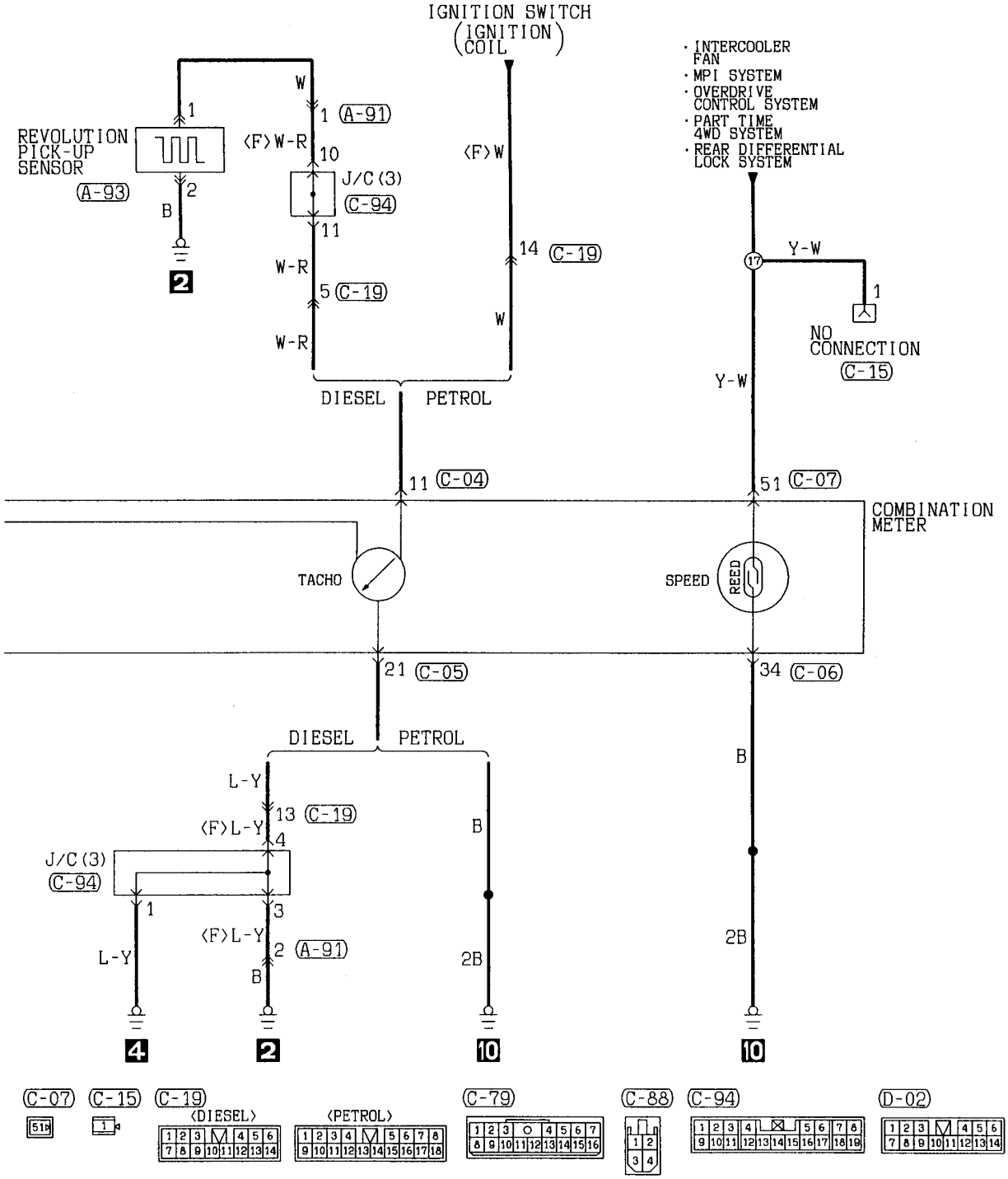
HP09E04AA

METER AND GAUGE

90100350207

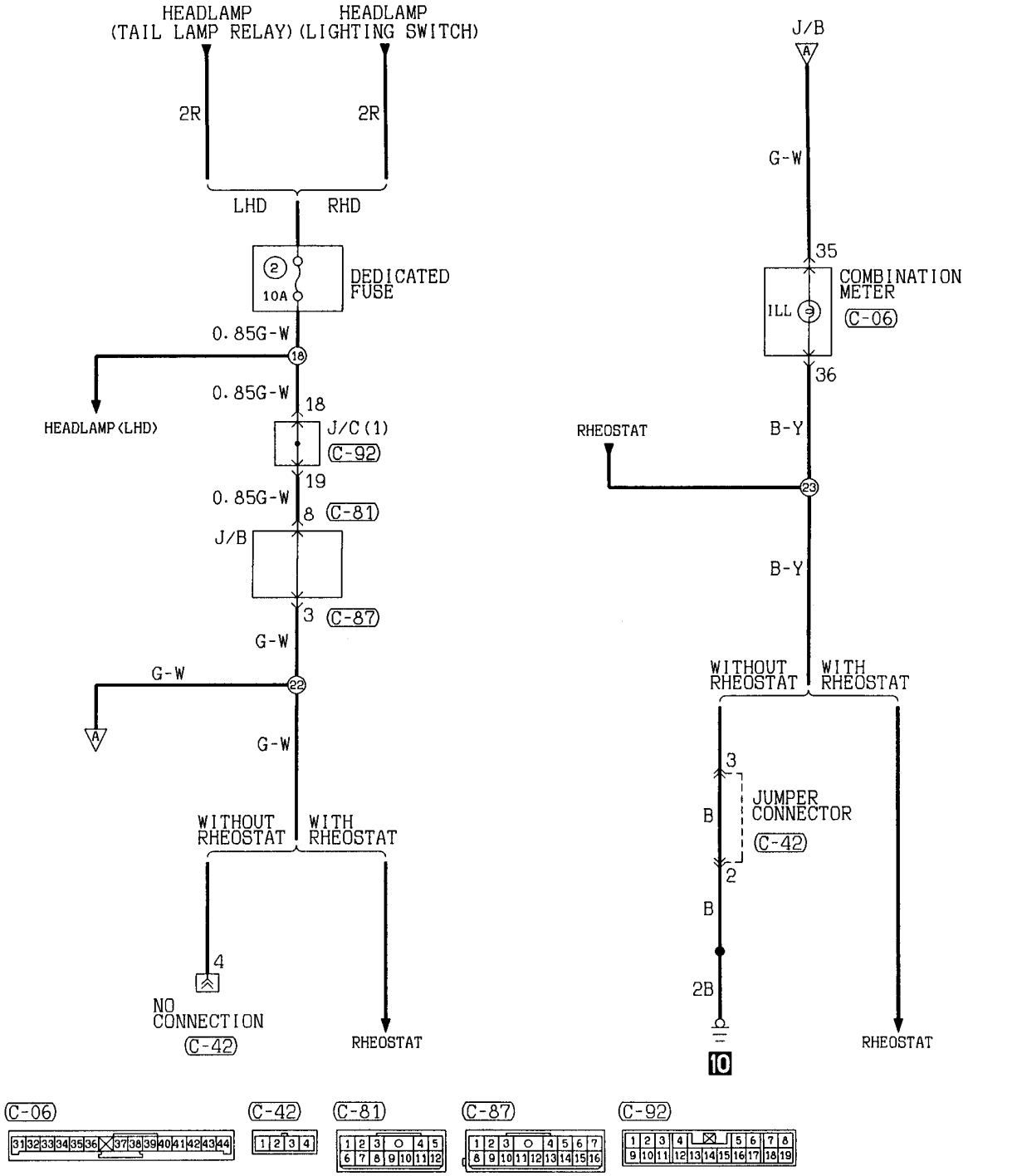


HP10E00AA


IGNITION SWITCH
(IGNITION COIL)
· INTERCOOLER FAN
· MPI SYSTEM
· OVERDRIVE CONTROL SYSTEM
· PART TIME 4WD SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
REVOLUTION PICK-UP SENSOR
(A-93)
W
1 (A-91)
(F)W-R
10
J/C (3)
(C-94)
11
W-R
5 (C-19)
W-R
(F)W
14 (C-19)
W
Y-W
17
1
NO CONNECTION
(C-15)
Y-W
DIESEL
PETROL
11 (C-04)
51 (C-07)
COMBINATION METER
TACHO
SPEED
REED
21 (C-05)
34 (C-06)
DIESEL
PETROL
L-Y
13 (C-19)
(F)L-Y
4
J/C (3)
(C-94)
1
3
(F)L-Y
2 (A-91)
L-Y
B
B
2B
B
2B
4
2
10
10
(C-07)
(C-15)
(C-19)
(DIESEL)
(PETROL)
(C-79)
(C-88)
(C-94)
(D-02)

HP10E00AB

METER AND GAUGE (CONTINUED)



HP10E00BA

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.

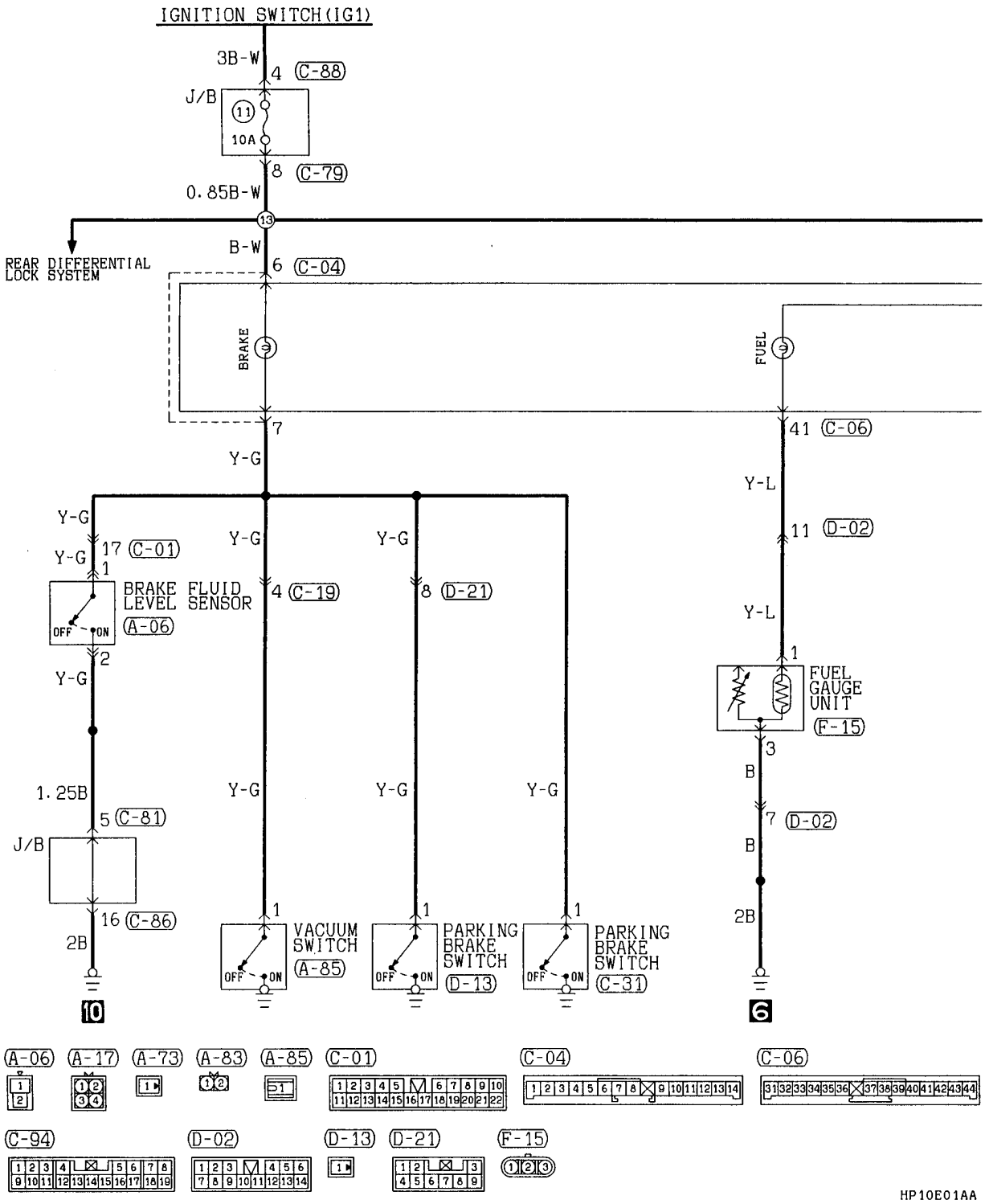
TROUBLESHOOTING HINTS

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

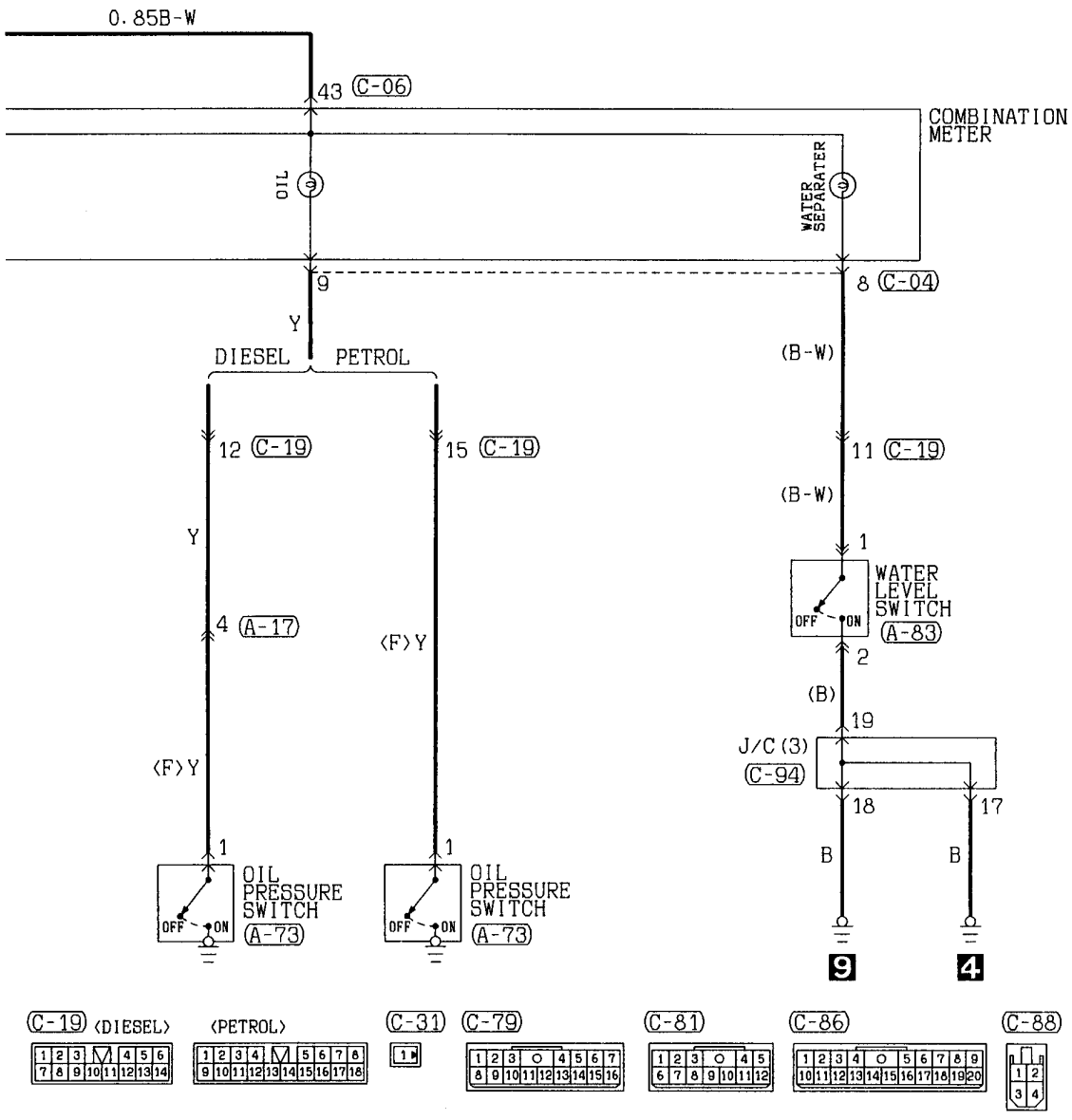
90101180102

Vehicles without SRS



HP10E01AA

OIL PRESSURE WARNING LAMP
FUEL FILTER WARNING LAMP
Diesel-powered vehicles



HP10E01AB

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>

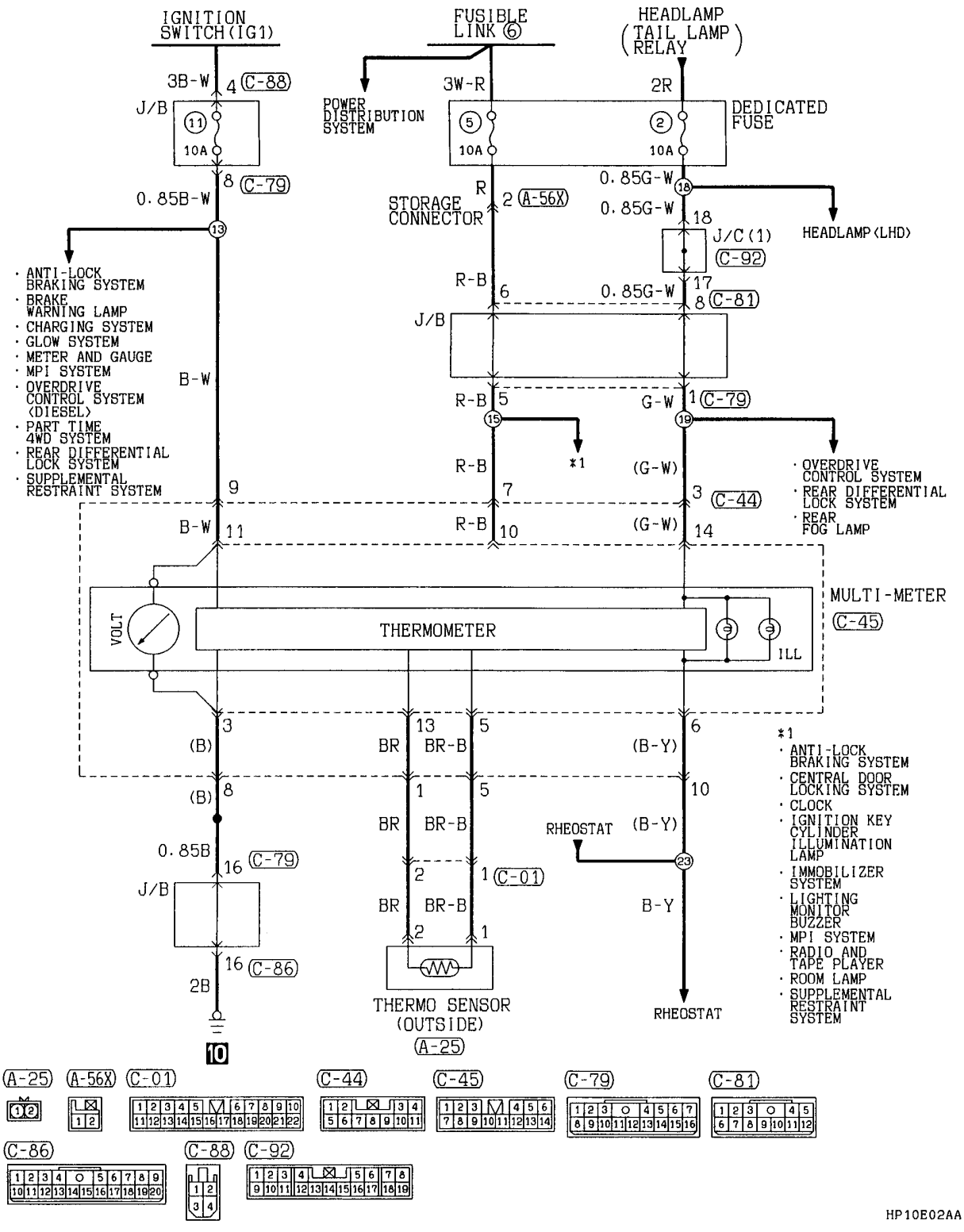
- When the lubrication system fails after engine starting, resulting in the oil pressure failing to build up, the oil pressure switch turns on causing the oil pressure warning lamp to illuminate.

<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

90100430079

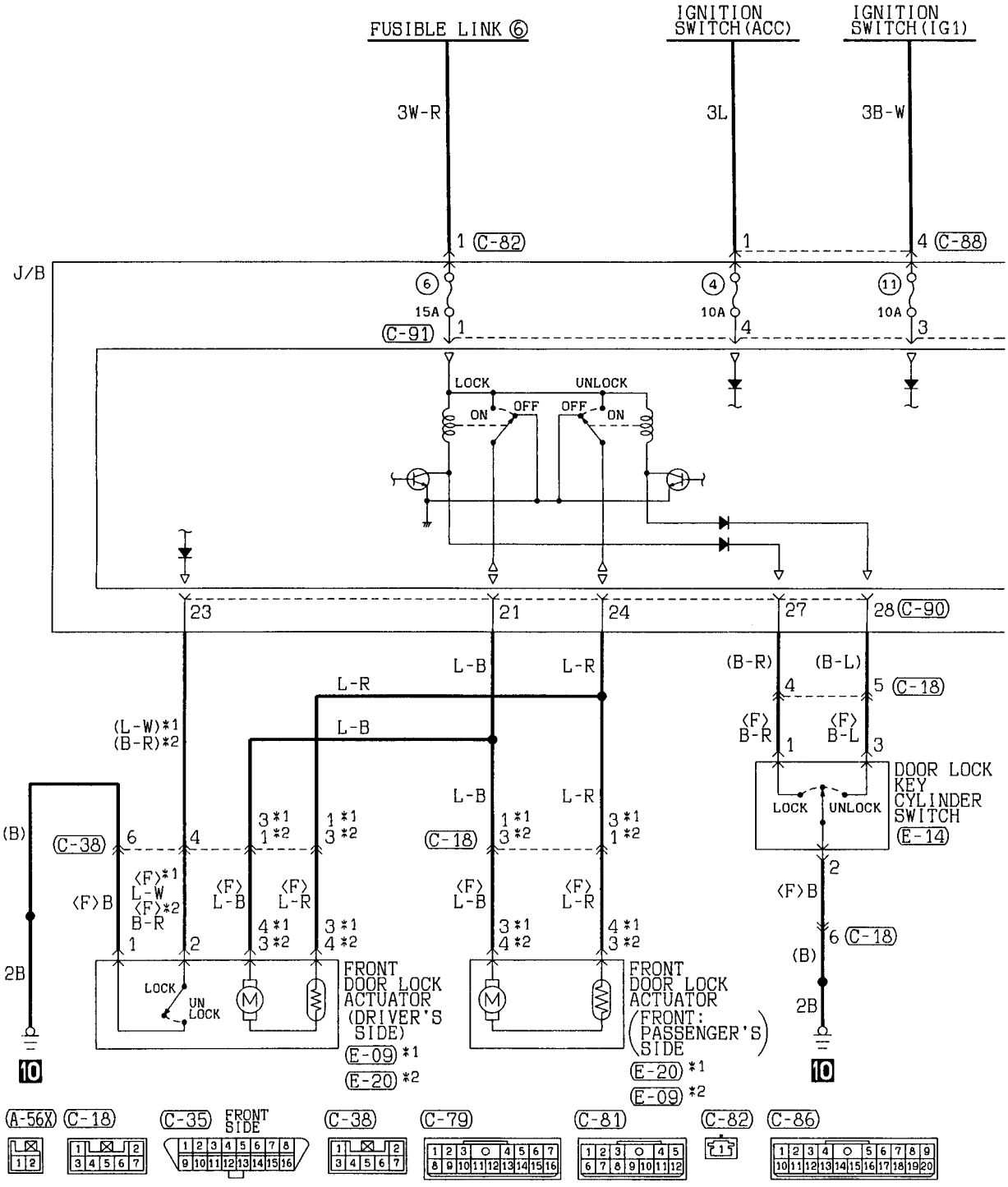


HP10E02AA

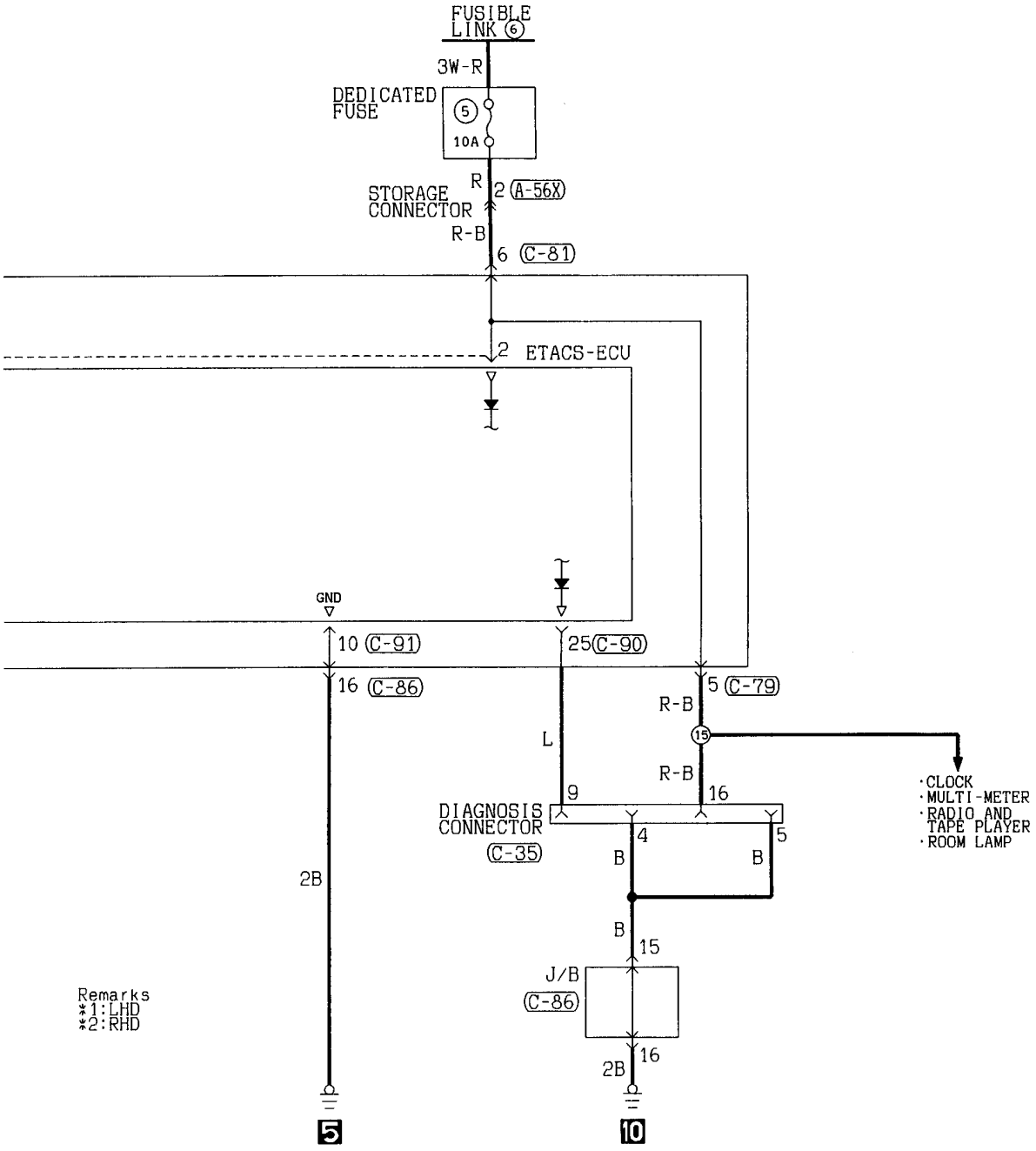
CENTRAL DOOR LOCKING SYSTEM

90100470323

Except double cab

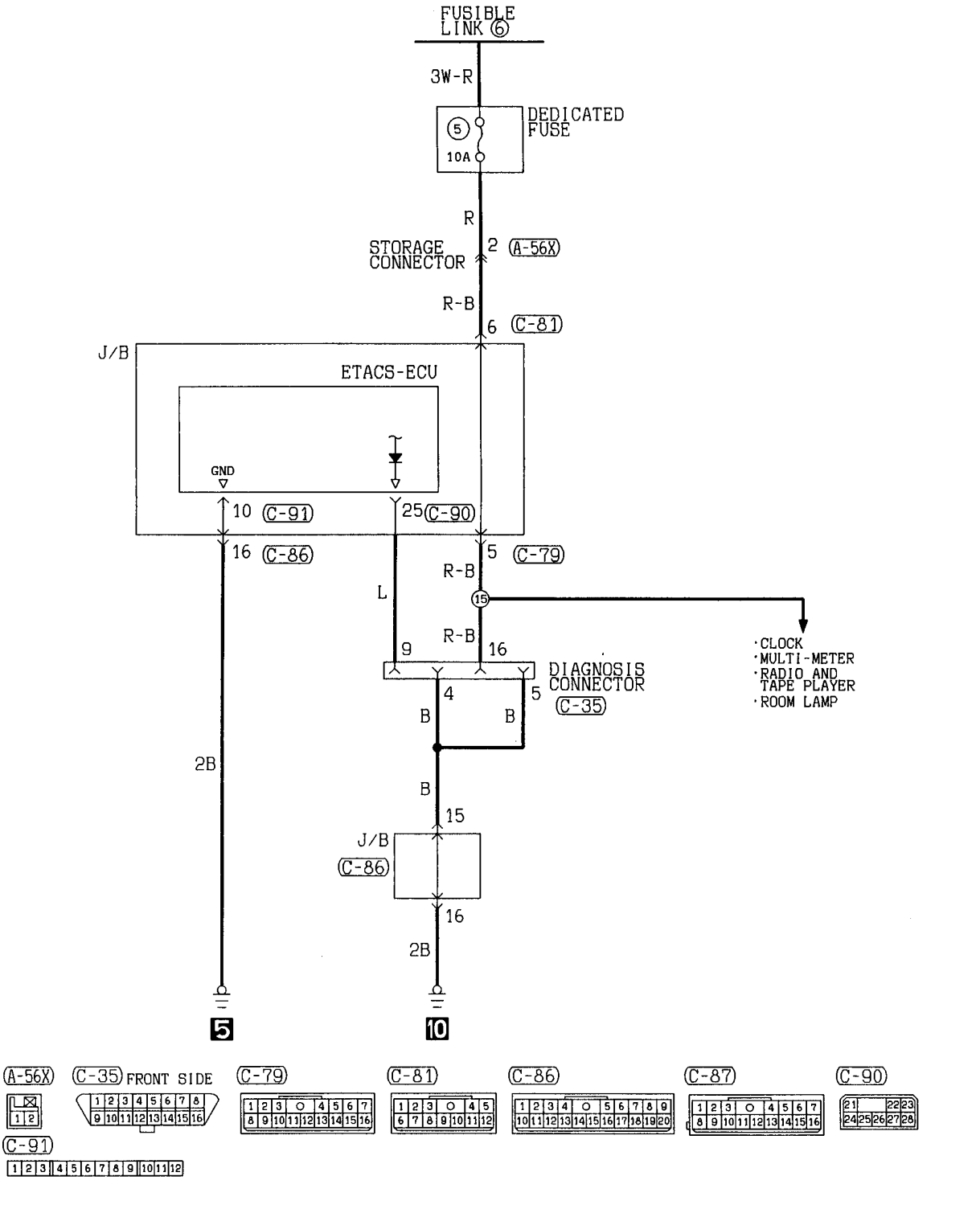


HP11E00AA


FUSIBLE LINK (6)
3W-R
DEDICATED FUSE
(5)
10A
R
2 (A-56X)
STORAGE CONNECTOR
R-B
6 (C-81)
2 ETACS-ECU
GND
10 (C-91)
16 (C-86)
25 (C-90)
5 (C-79)
R-B
(15)
L
R-B
9
16
DIAGNOSIS CONNECTOR
(C-35)
4
5
B
B
2B
B
15
J/B
(C-86)
16
2B
·CLOCK
·MULTI-METER
·RADIO AND TAPE PLAYER
·ROOM LAMP
Remarks
*1:LHD
*2:RHD
5
10
(C-87)
(C-88)
(C-90)
(C-91)
(E-09)
(E-14)
(E-20)

HP11E00AB

CENTRAL DOOR LOCKING SYSTEM <Except double cab> (CONTINUED)



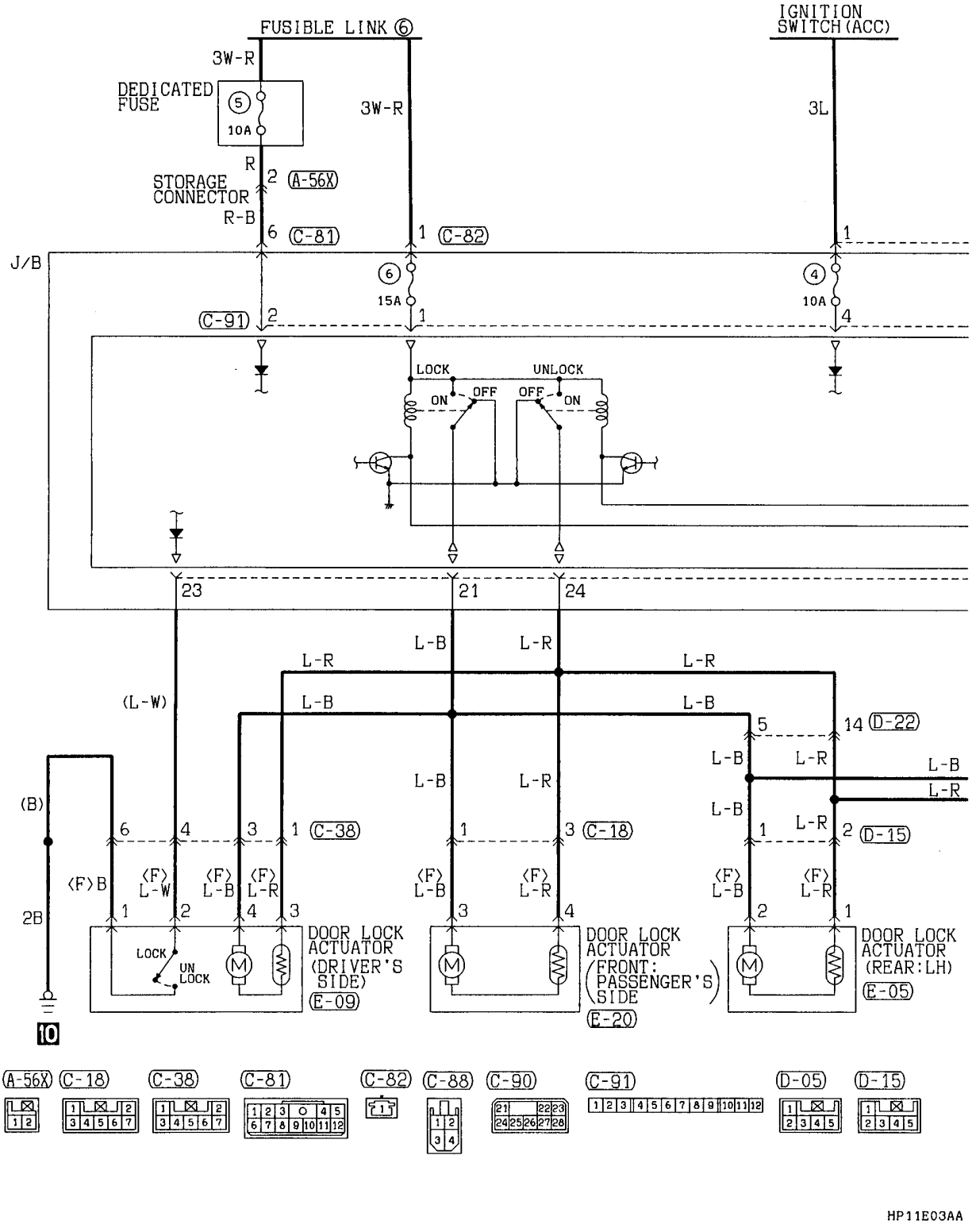
HP11E00BA

NOTES

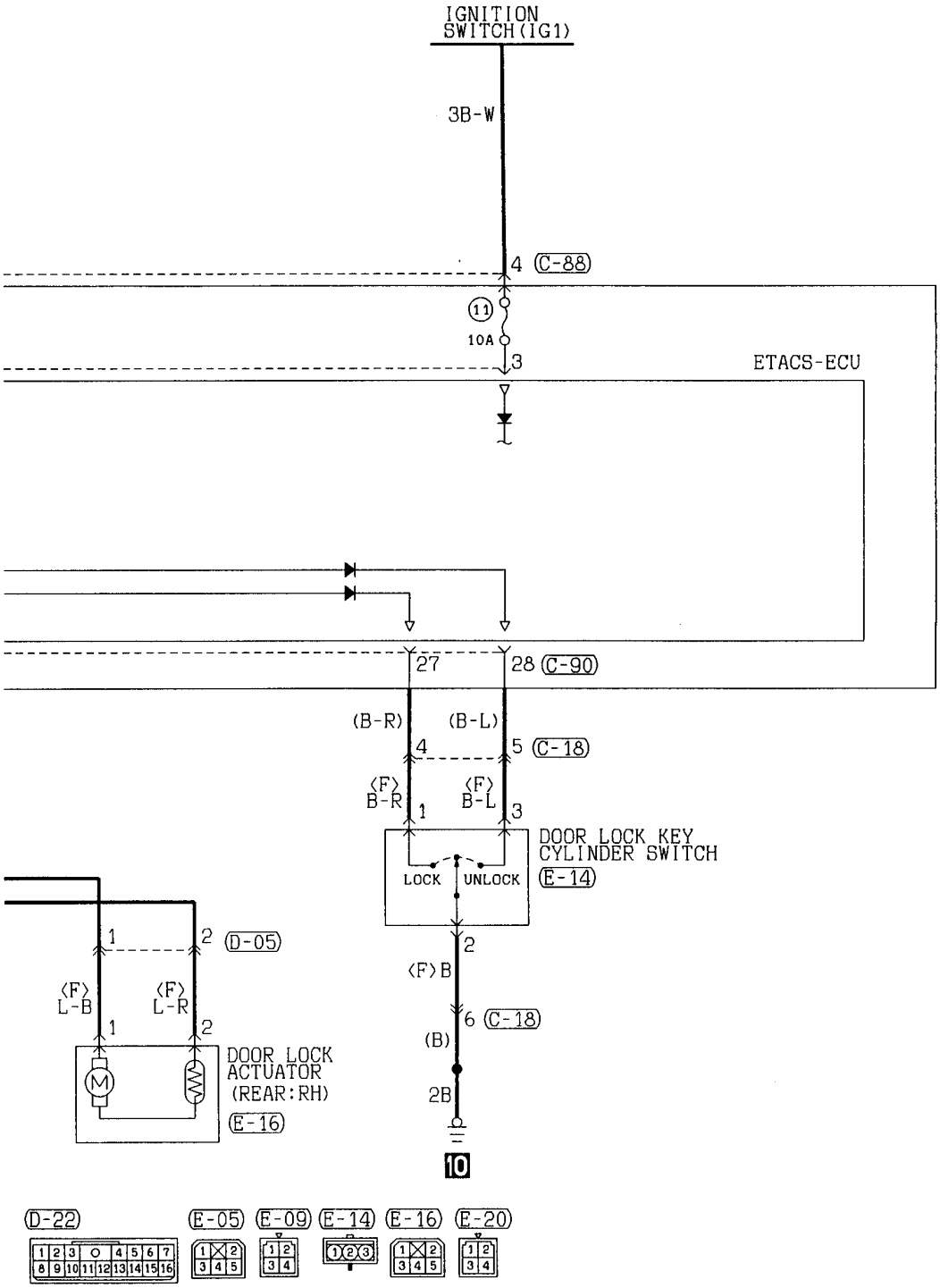
CENTRAL DOOR LOCKING SYSTEM

90100470385

Double cab

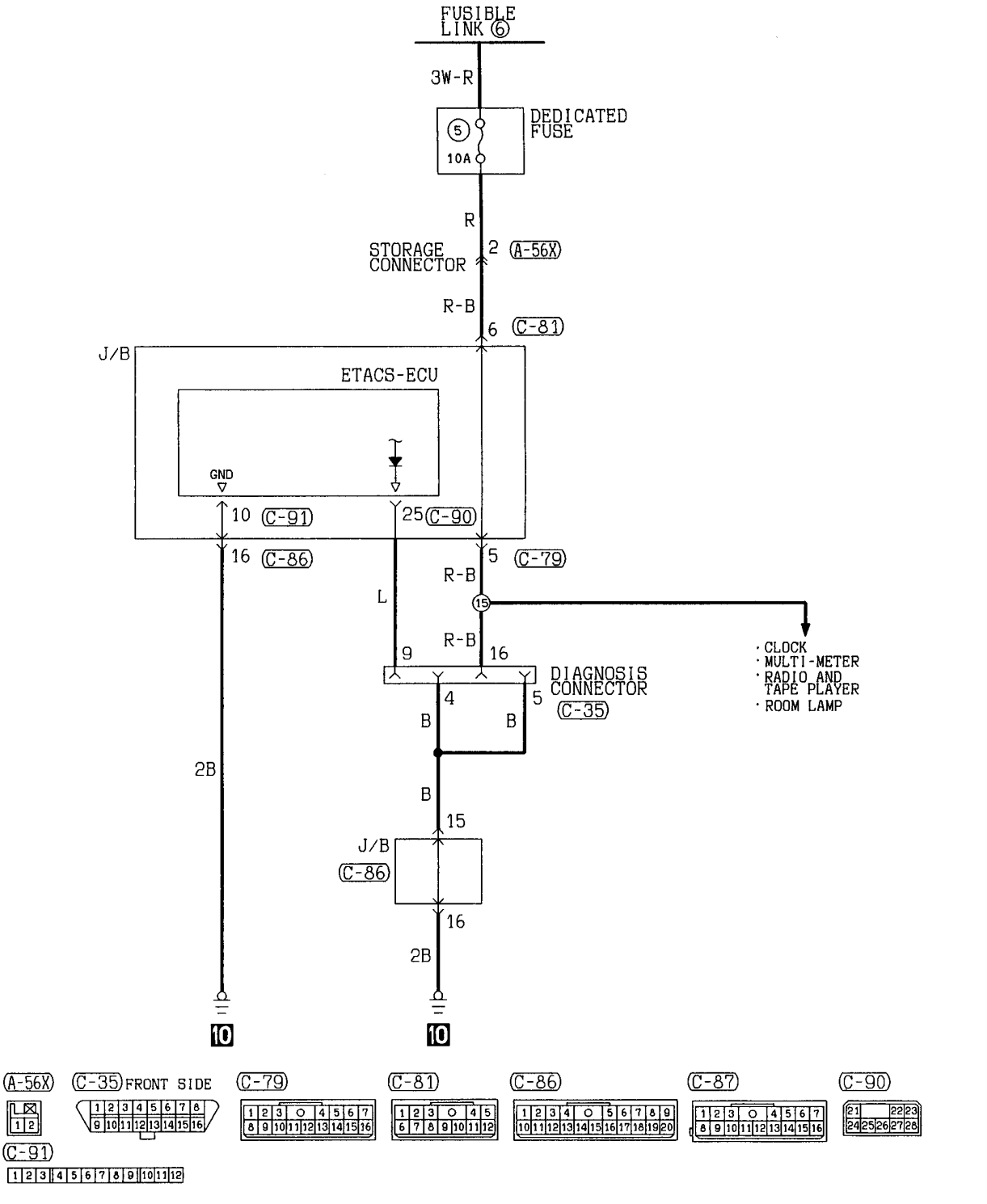


HP11E03AA


IGNITION SWITCH(IG1)
3B-W
4 C-88
11
10A
3
ETACS-ECU
27
28 C-90
(B-R)
(B-L)
4
5 C-18
〈F〉 B-R
〈F〉 B-L
1
3
DOOR LOCK KEY CYLINDER SWITCH
LOCK
UNLOCK
E-14
2
〈F〉B
6 C-18
(B)
2B
10
1
2 D-05
〈F〉 L-B
〈F〉 L-R
1
2
DOOR LOCK ACTUATOR (REAR:RH)
E-16
D-22
E-05
E-09
E-14
E-16
E-20

HP11E03AB

CENTRAL DOOR LOCKING SYSTEM <Double cab> (CONTINUED)



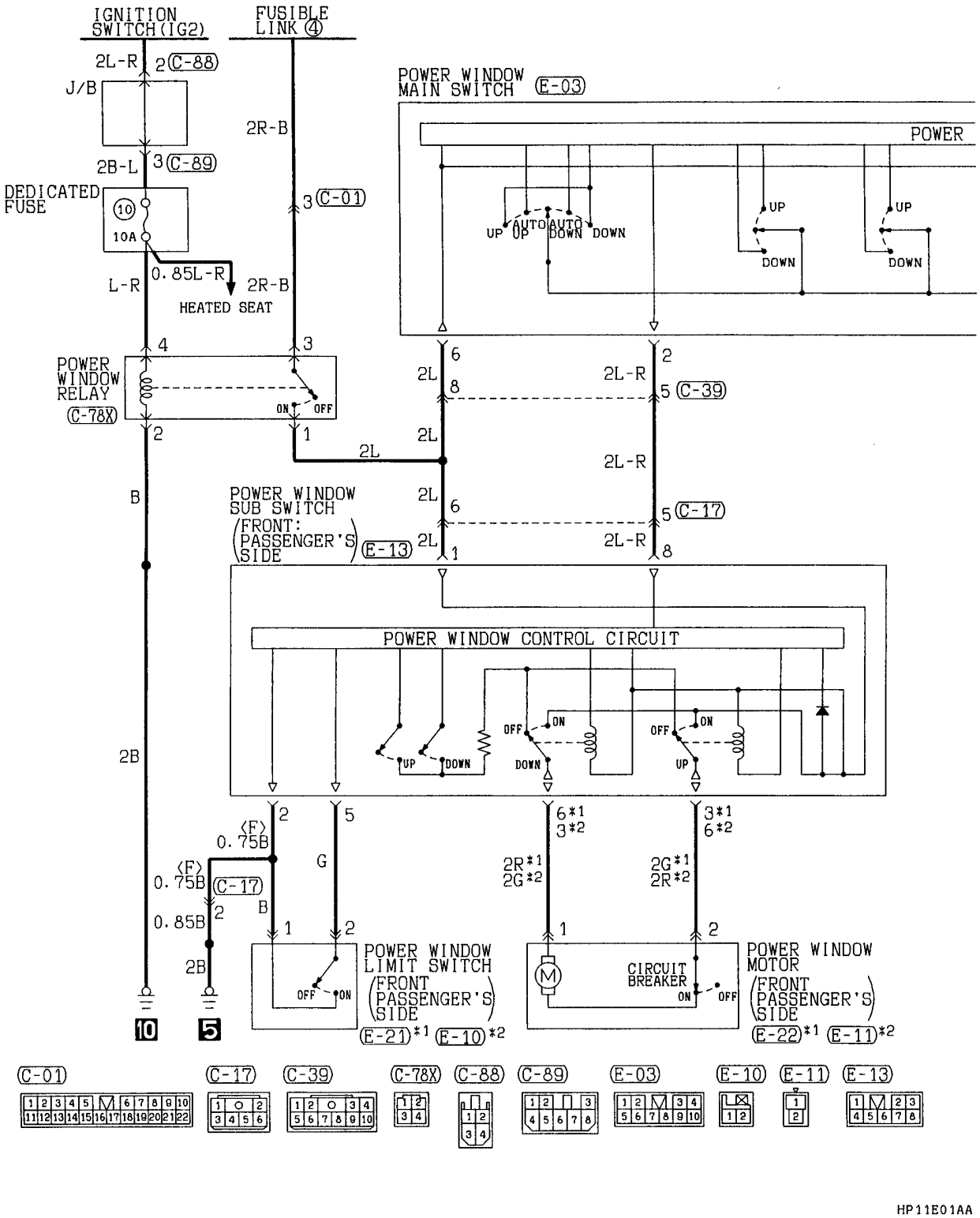
HP11E03BA

NOTES

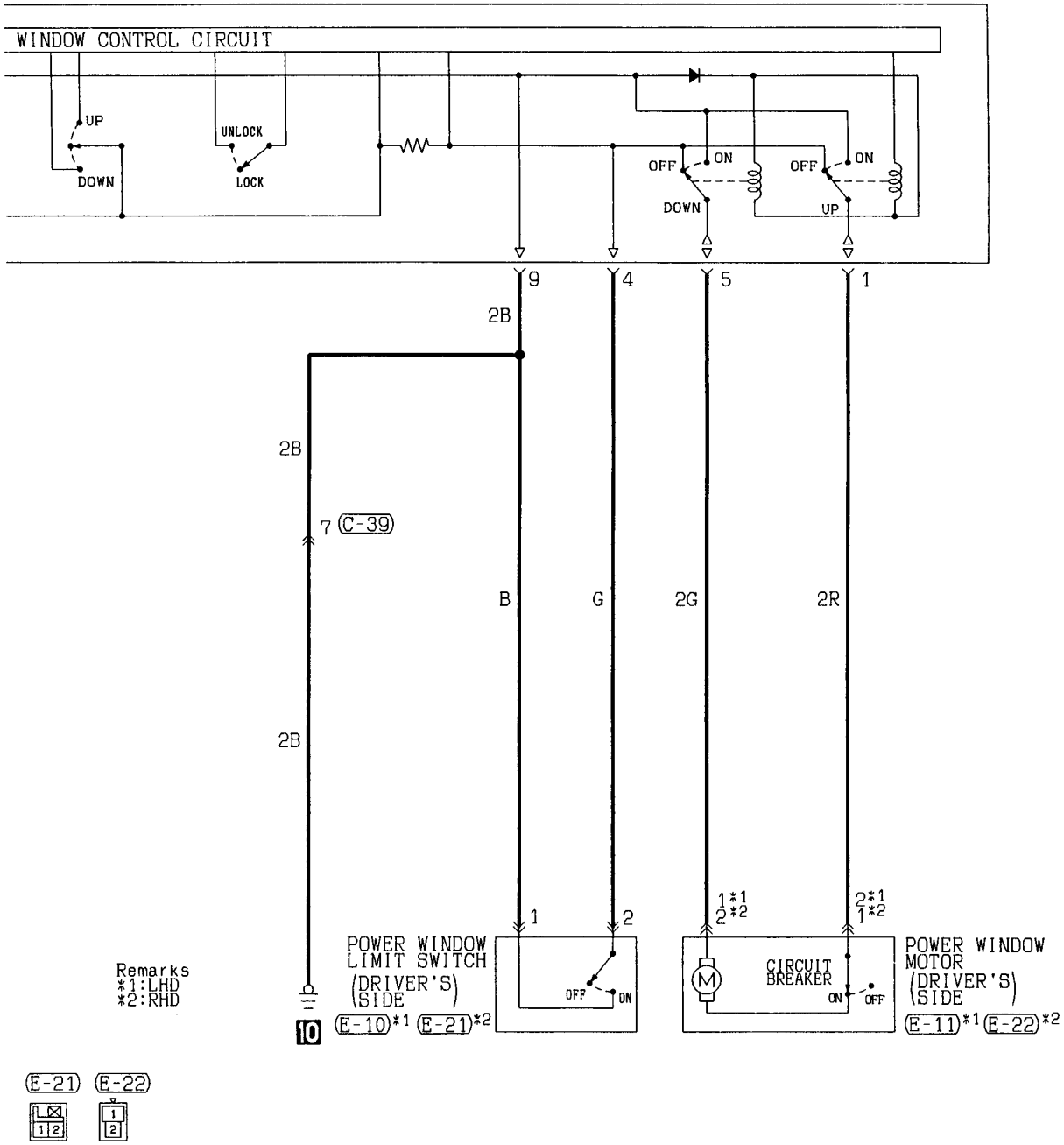
POWER WINDOWS

90100460207

Except double cab



HP11E01AA

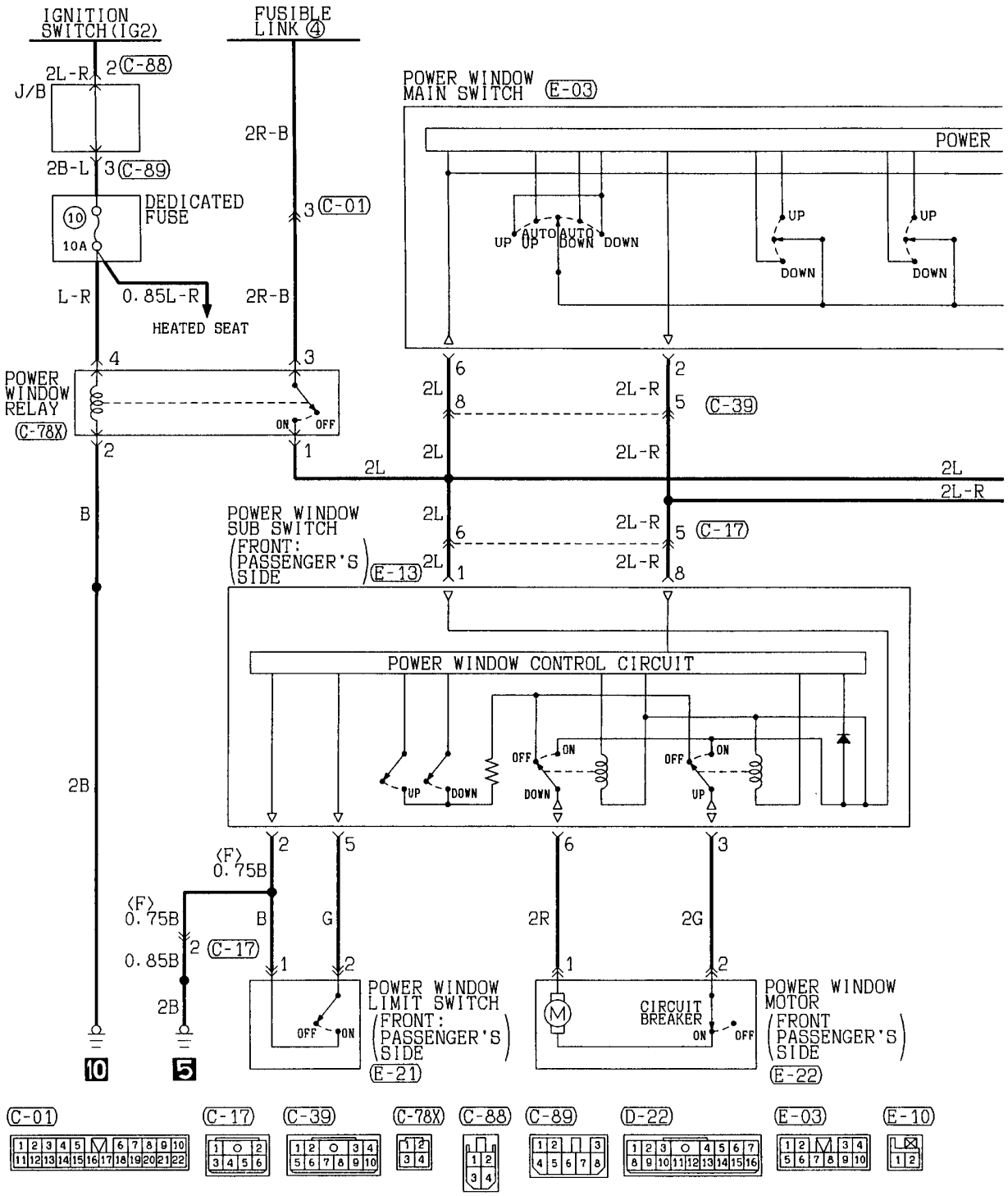

WINDOW CONTROL CIRCUIT
UP
DOWN
UNLOCK
LOCK
OFF
ON
DOWN
OFF
ON
UP
9
4
5
1
2B
2B
7 C-39
2B
B
G
2G
2R
1
2
1*1
2*2
2*1
1*2
POWER WINDOW LIMIT SWITCH (DRIVER'S SIDE)
OFF
ON
CIRCUIT BREAKER
ON
OFF
POWER WINDOW MOTOR (DRIVER'S SIDE)
10
E-10*1 E-21*2
E-11*1 E-22*2
Remarks
*1:LHD
*2:RHD
E-21
E-22

HP11E01AB

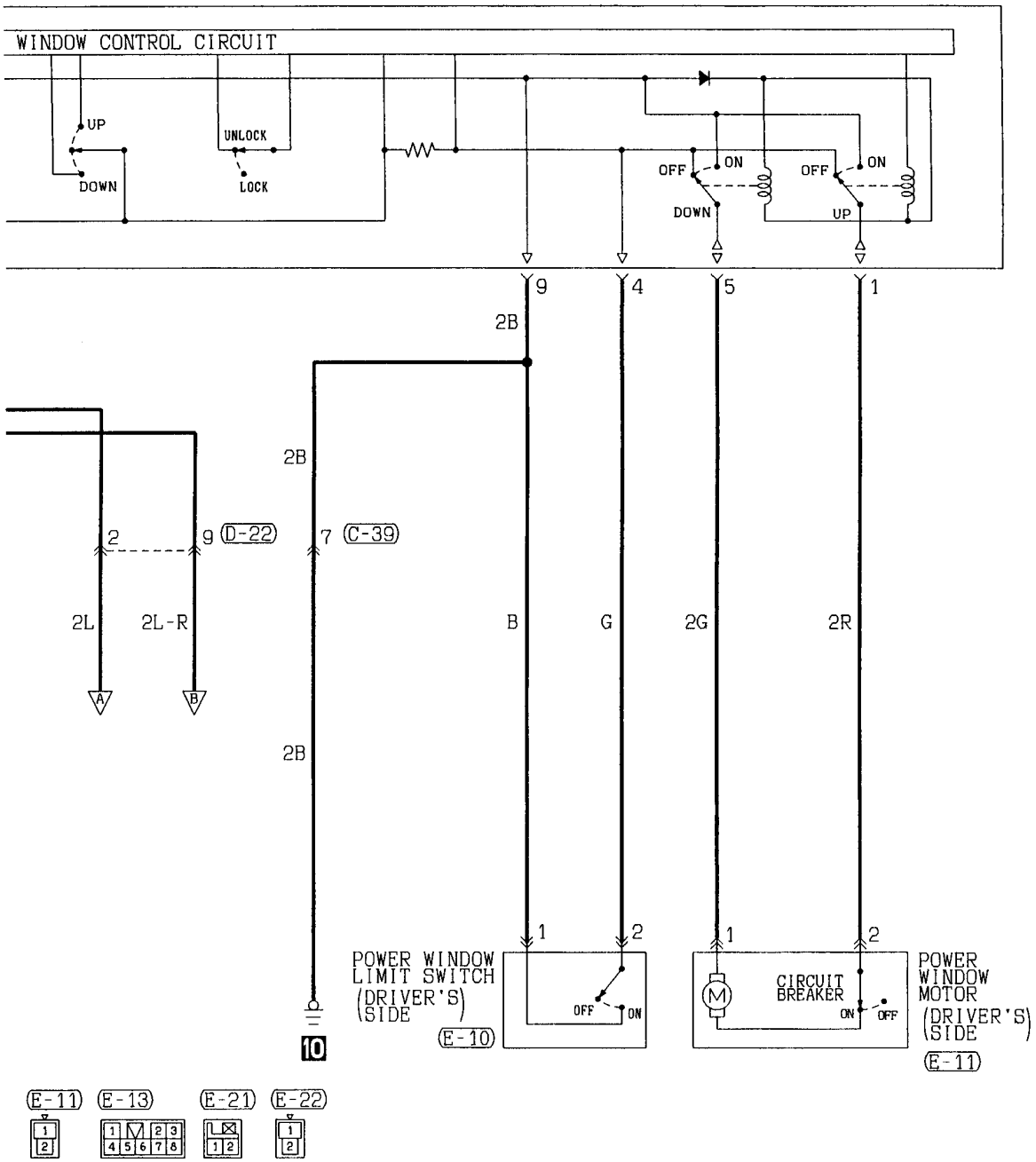
POWER WINDOWS

90100460214

Double cab <1997 Models>

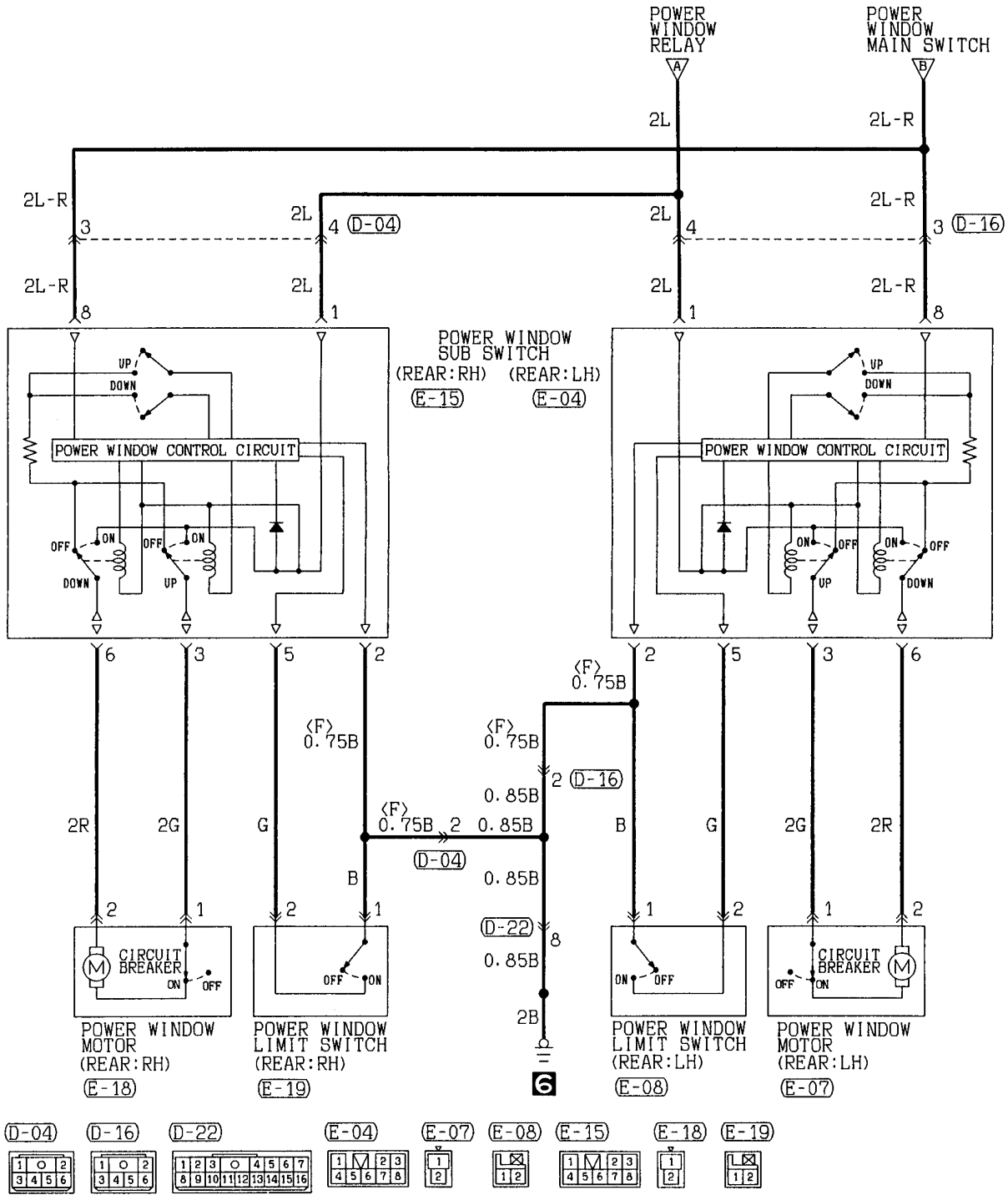


HP11E02AA


WINDOW CONTROL CIRCUIT
UP
DOWN
UNLOCK
LOCK
OFF
ON
DOWN
OFF
ON
UP
9
4
5
1
2B
2B
2B
2
9 D-22
7 C-39
2L
2L-R
B
G
2G
2R
A
B
1
2
1
2
POWER WINDOW LIMIT SWITCH (DRIVER'S SIDE)
E-10
OFF
ON
CIRCUIT BREAKER
ON
OFF
POWER WINDOW MOTOR (DRIVER'S SIDE)
E-11
10
E-11
E-13
E-21
E-22

HP11E02AB

POWER WINDOWS <Double cab (1997 Models)> (CONTINUED)



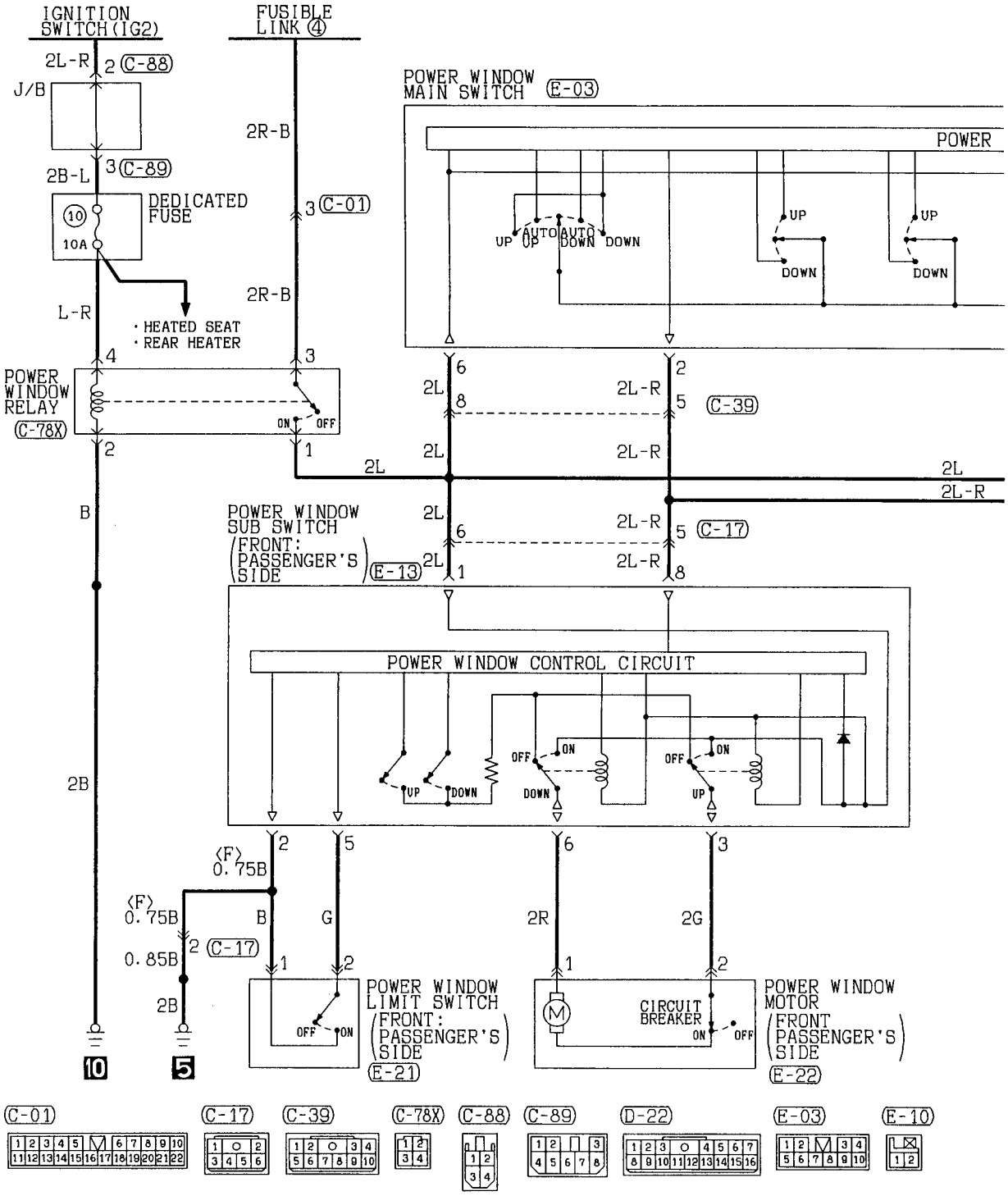
HP11E02BA

NOTES

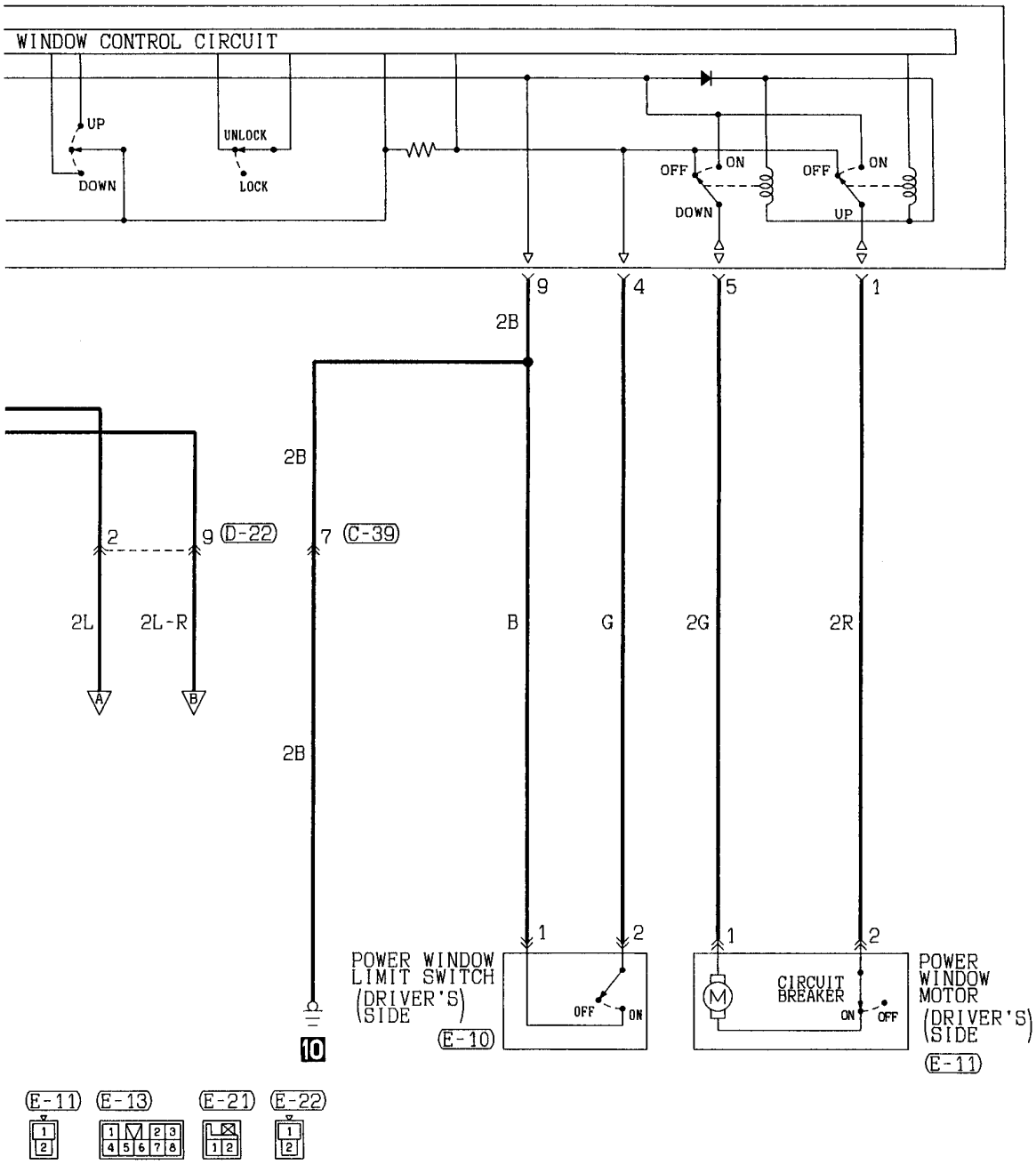
POWER WINDOWS

90100460566

Double cab <1998 Models>

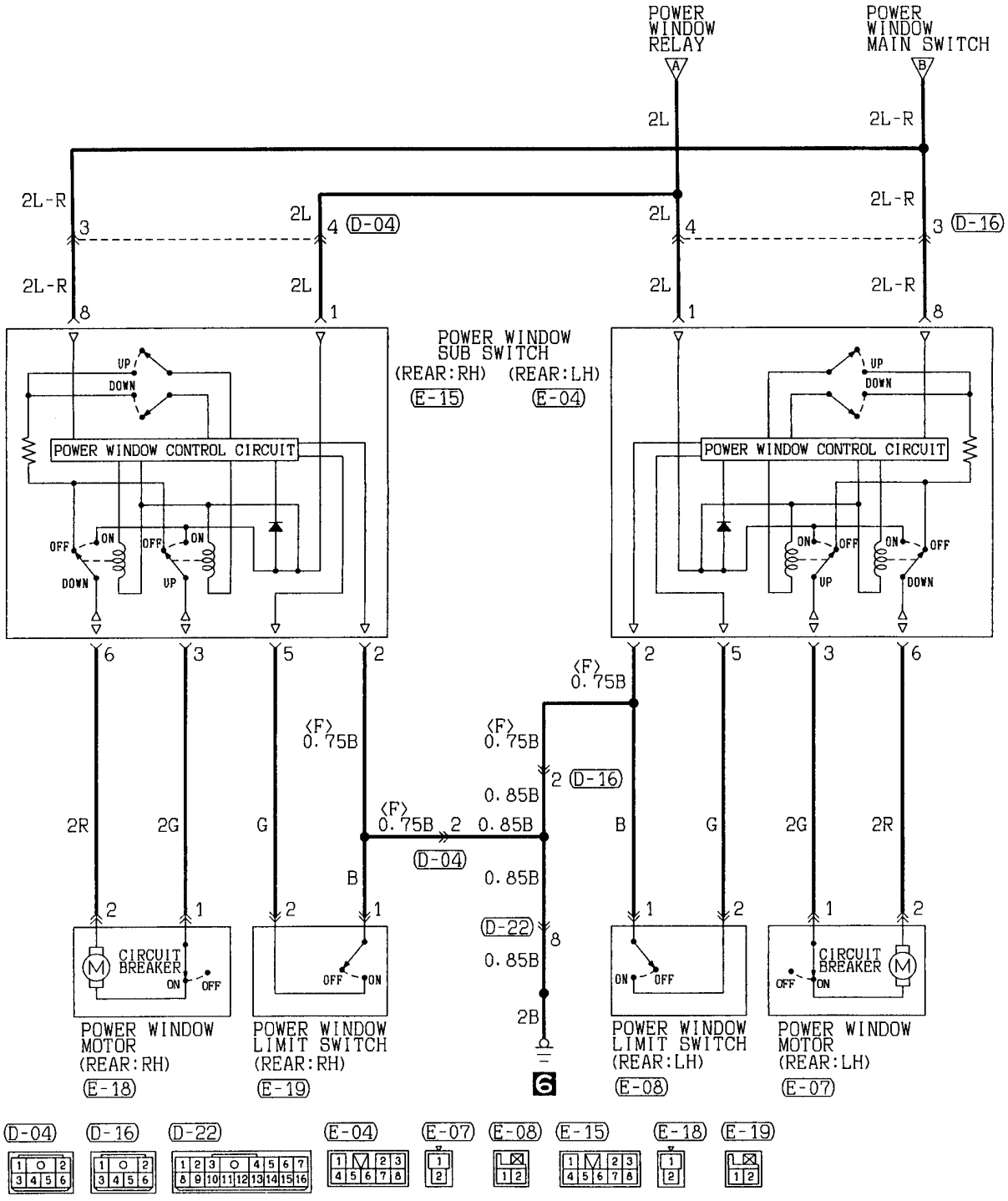


8P11E00AA


WINDOW CONTROL CIRCUIT
UP
DOWN
UNLOCK
LOCK
OFF
ON
DOWN
OFF
ON
UP
9
4
5
1
2B
2B
2B
2
9 D-22
7 C-39
2L
2L-R
B
G
2G
2R
A
B
10
1
2
1
2
POWER WINDOW LIMIT SWITCH (DRIVER'S SIDE)
E-10
OFF
ON
CIRCUIT BREAKER
M
ON
OFF
POWER WINDOW MOTOR (DRIVER'S SIDE)
E-11
E-11
E-13
E-21
E-22

8P11E00AB

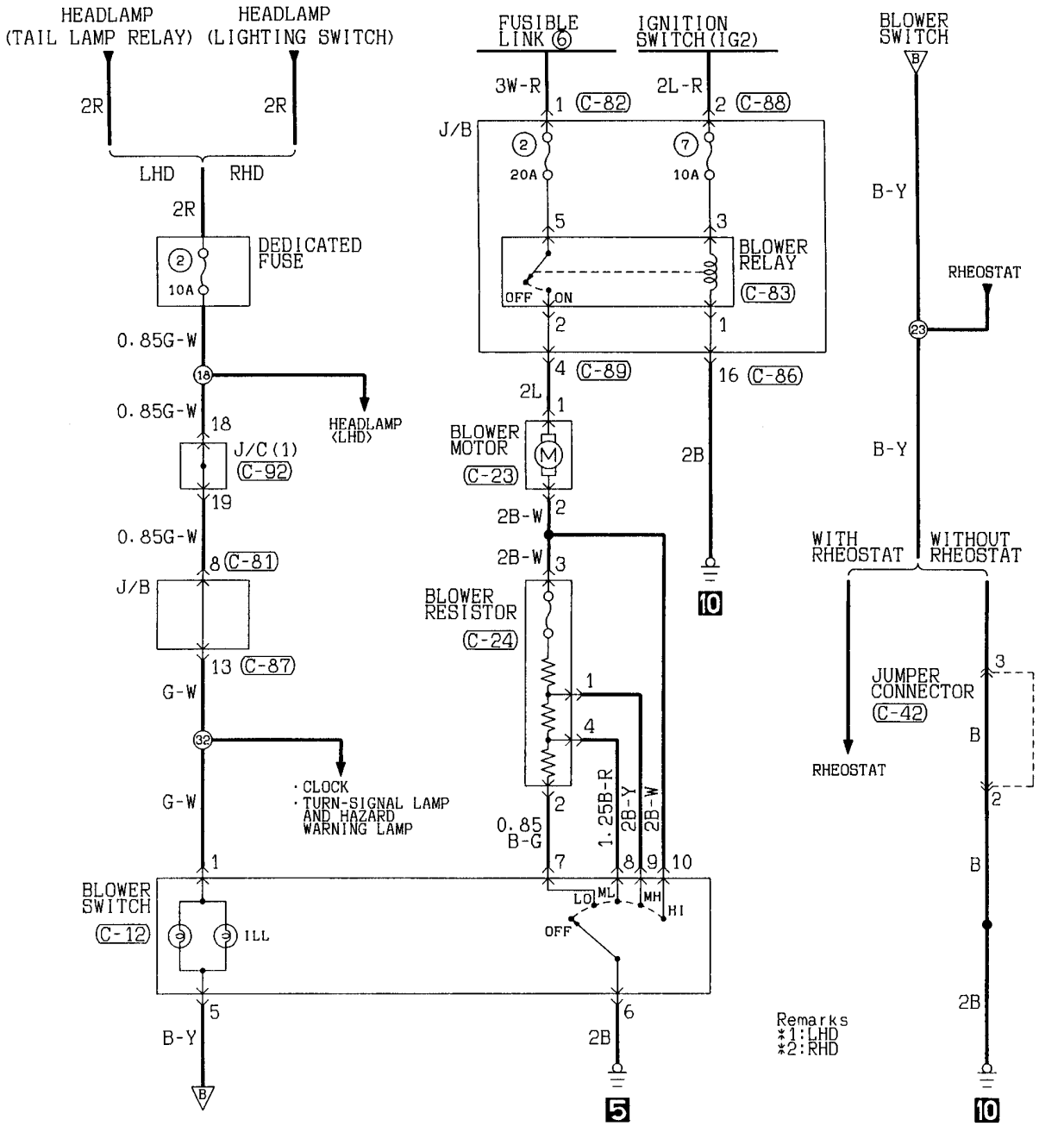
POWER WINDOWS <Double cab (1998 Models)> (CONTINUED)



8P11E00BA

HEATER

90101330088

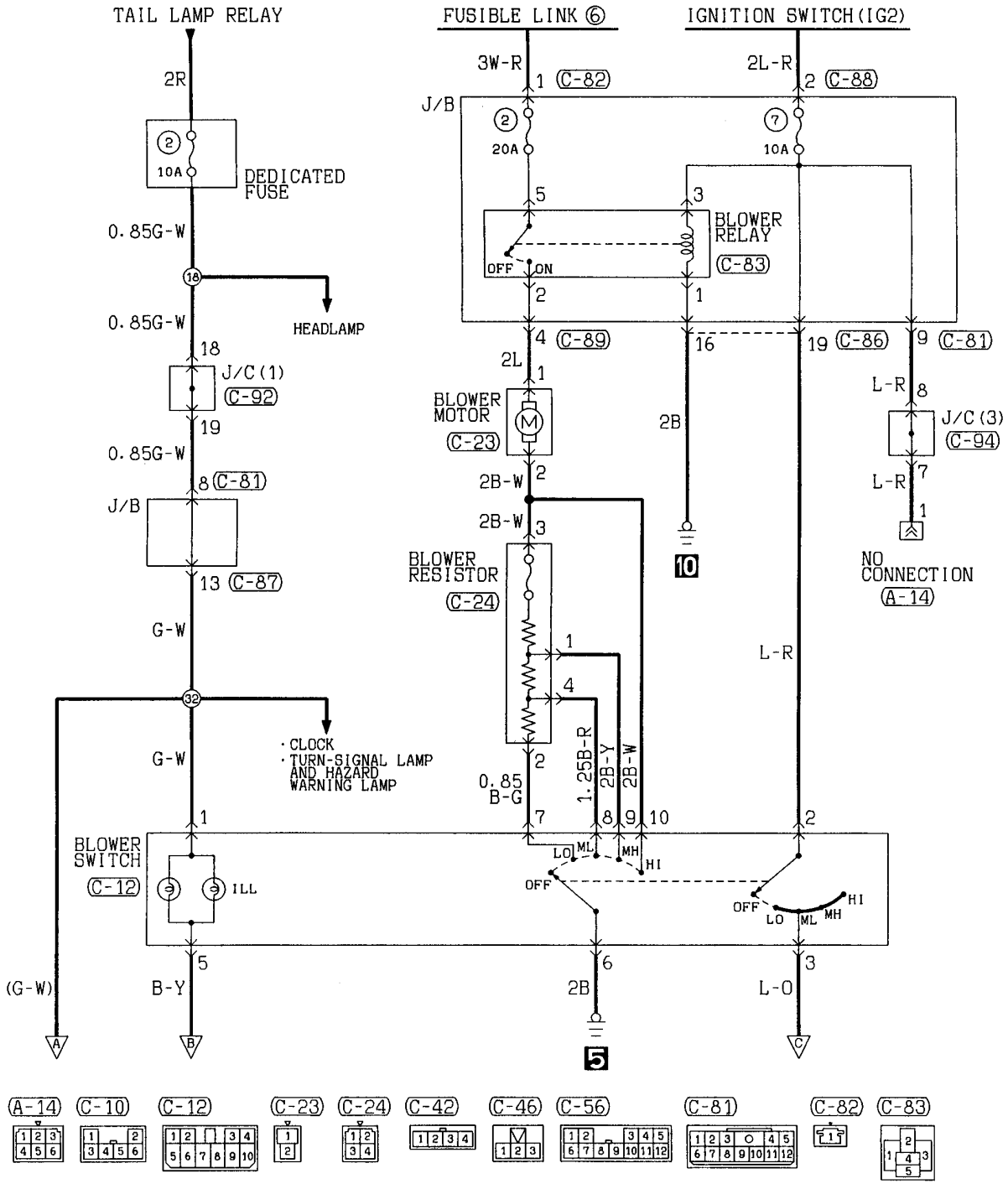


HP12E00AA

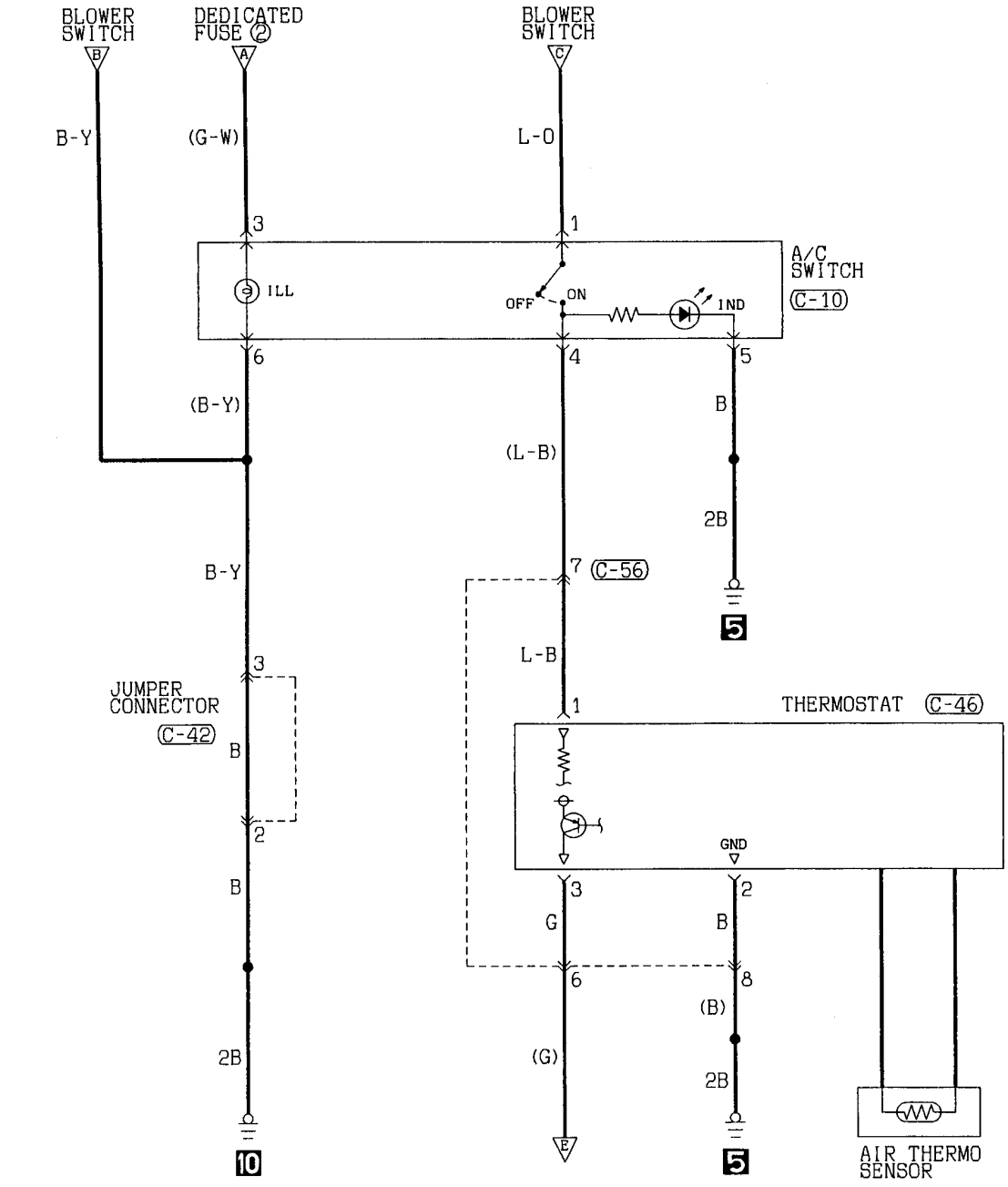
AIR CONDITIONER

90101280208

Petrol-powered vehicles

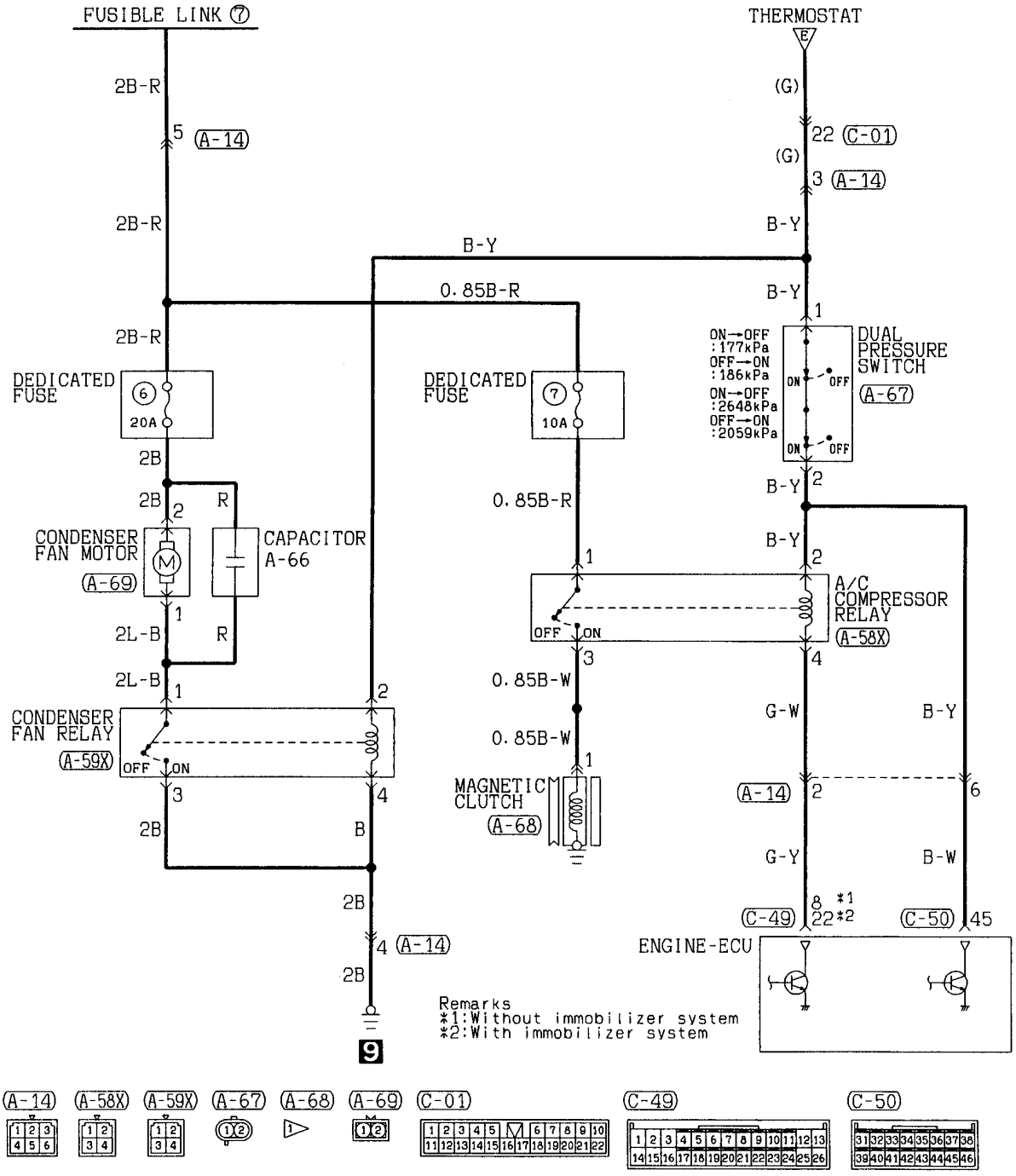


HP12E01AA


BLOWER SWITCH
DEDICATED FUSE (2)
BLOWER SWITCH
B-Y
(G-W)
L-O
A/C SWITCH
(C-10)
ILL
OFF
ON
IND
(B-Y)
B
(L-B)
2B
B-Y
(C-56)
L-B
JUMPER CONNECTOR
(C-42)
THERMOSTAT (C-46)
GND
G
B
(B)
(G)
AIR THERMO SENSOR
(C-86)
(C-87)
(C-88)
(C-89)
(C-92)
(C-94)

HP12E01AB

AIR CONDITIONER <Petrol-powered vehicles> (CONTINUED)



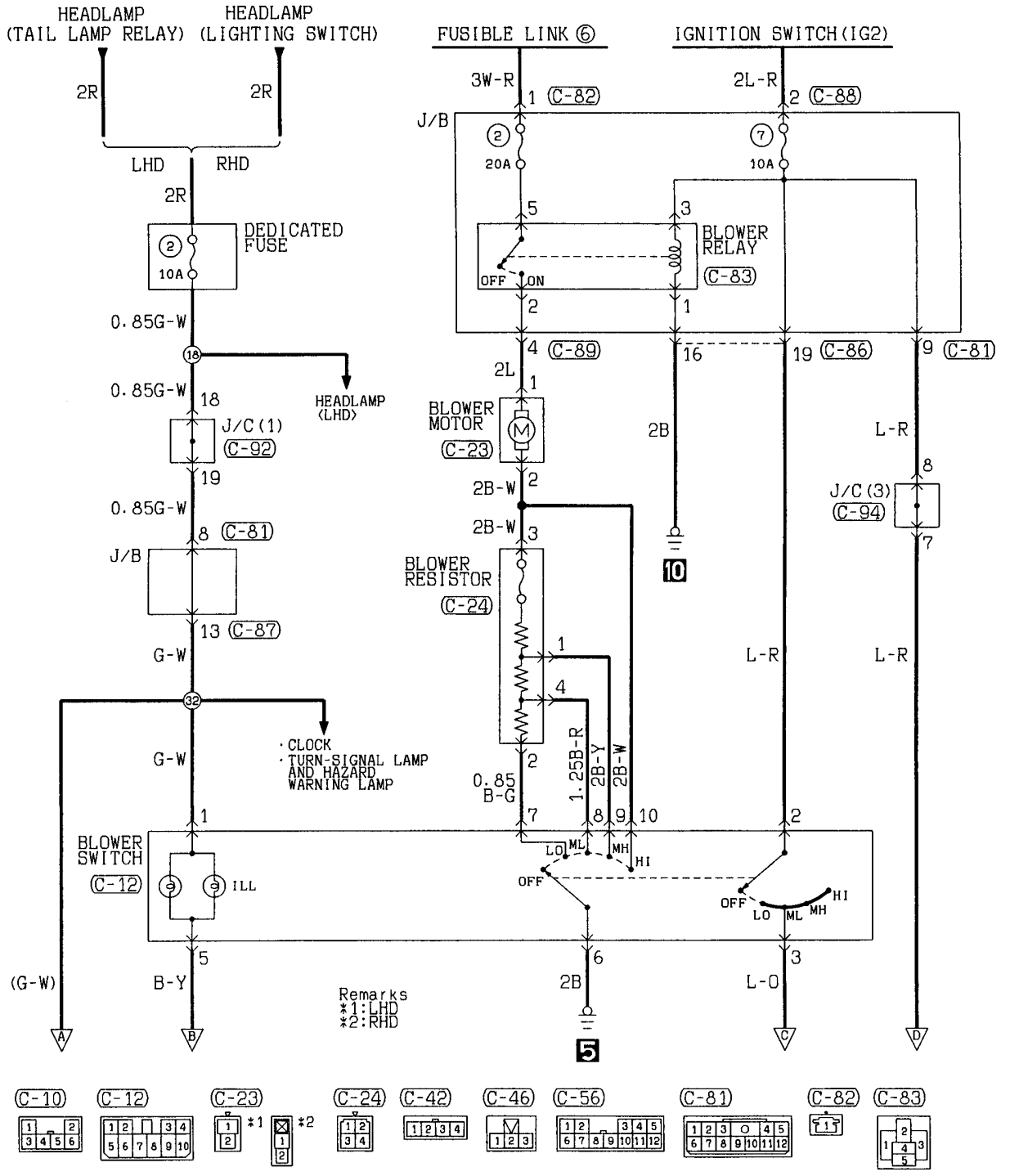
HP12E01BA

NOTES

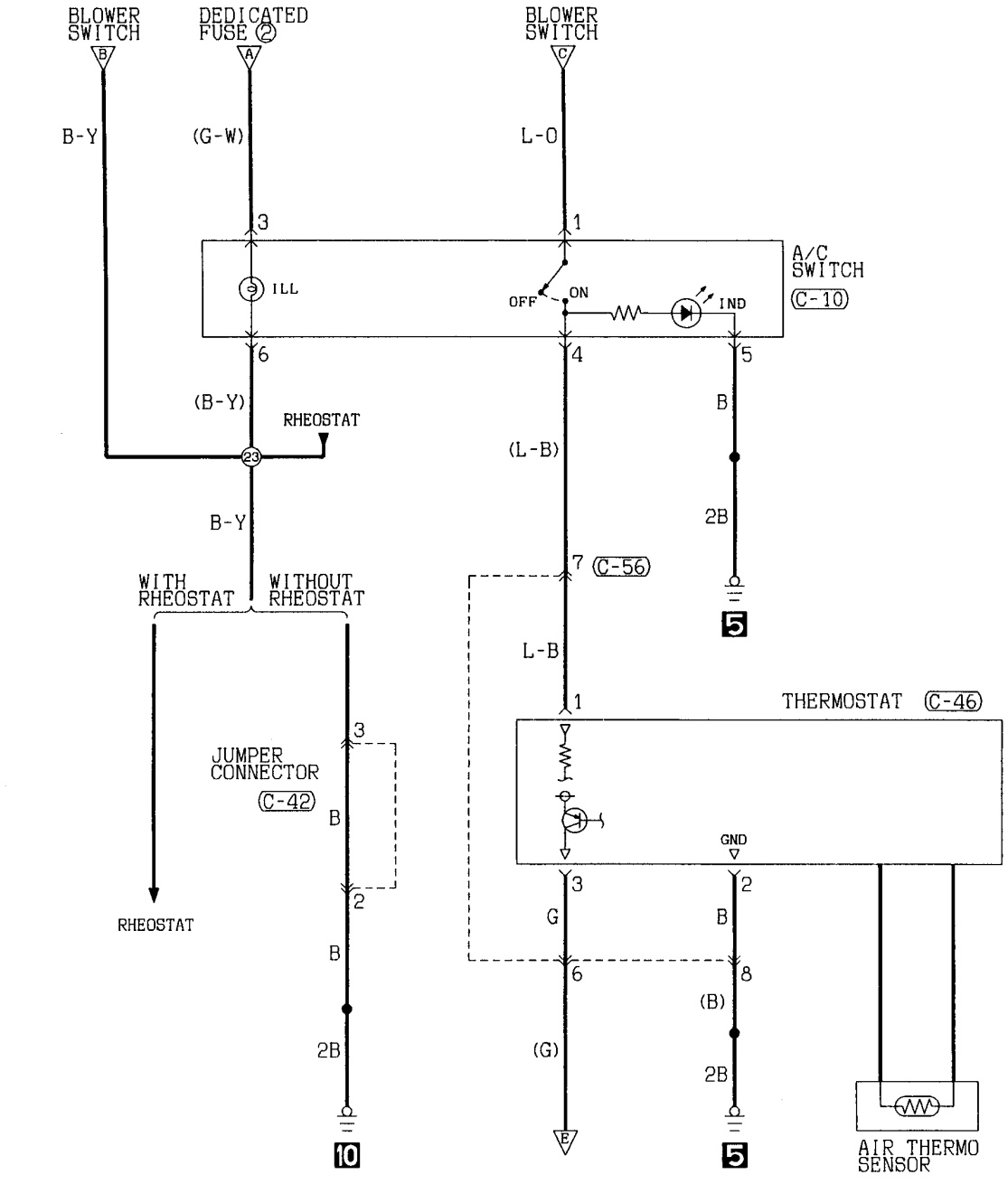
AIR CONDITIONER

90101280215

Diesel-powered vehicles with M/T

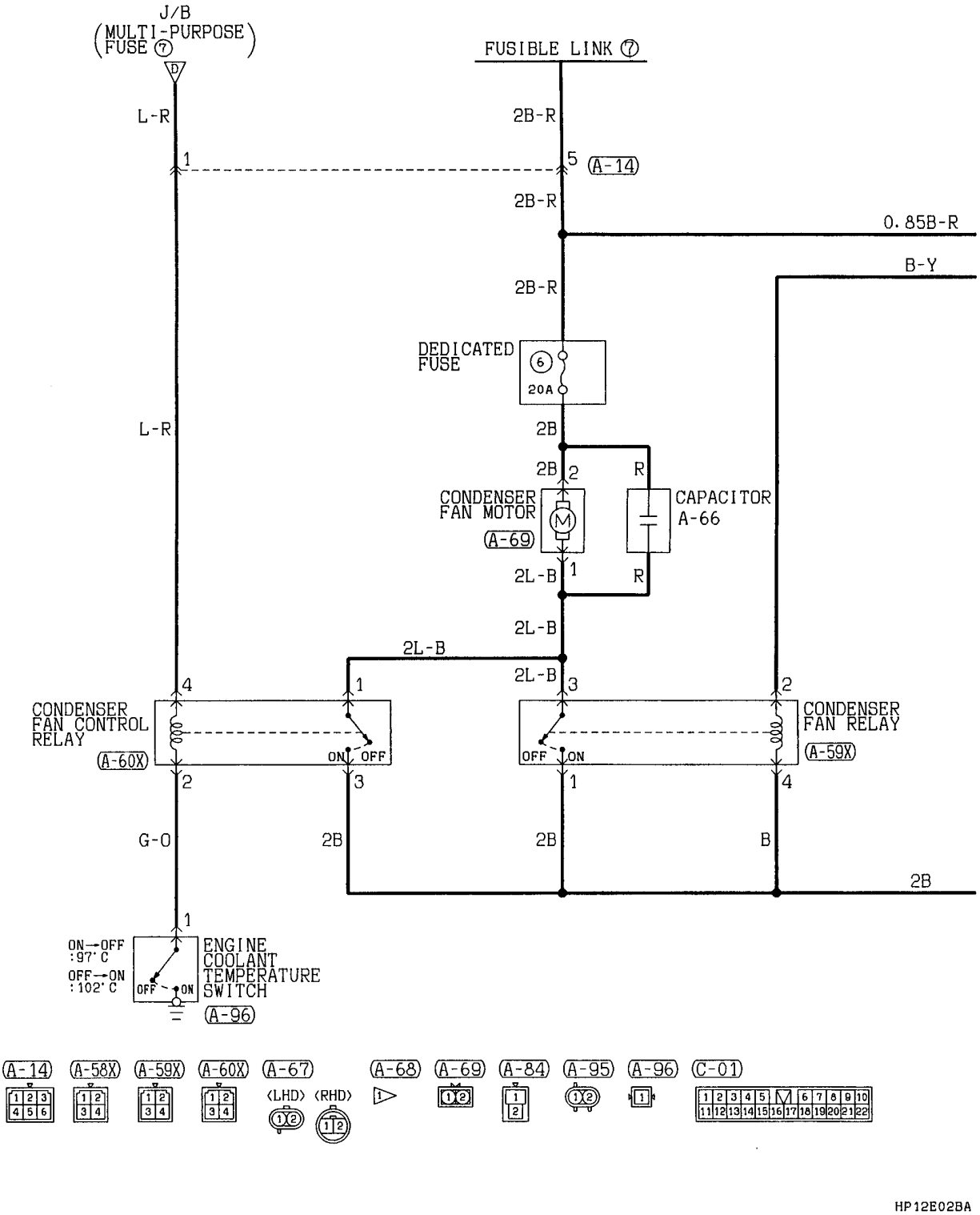


HP12E02AA

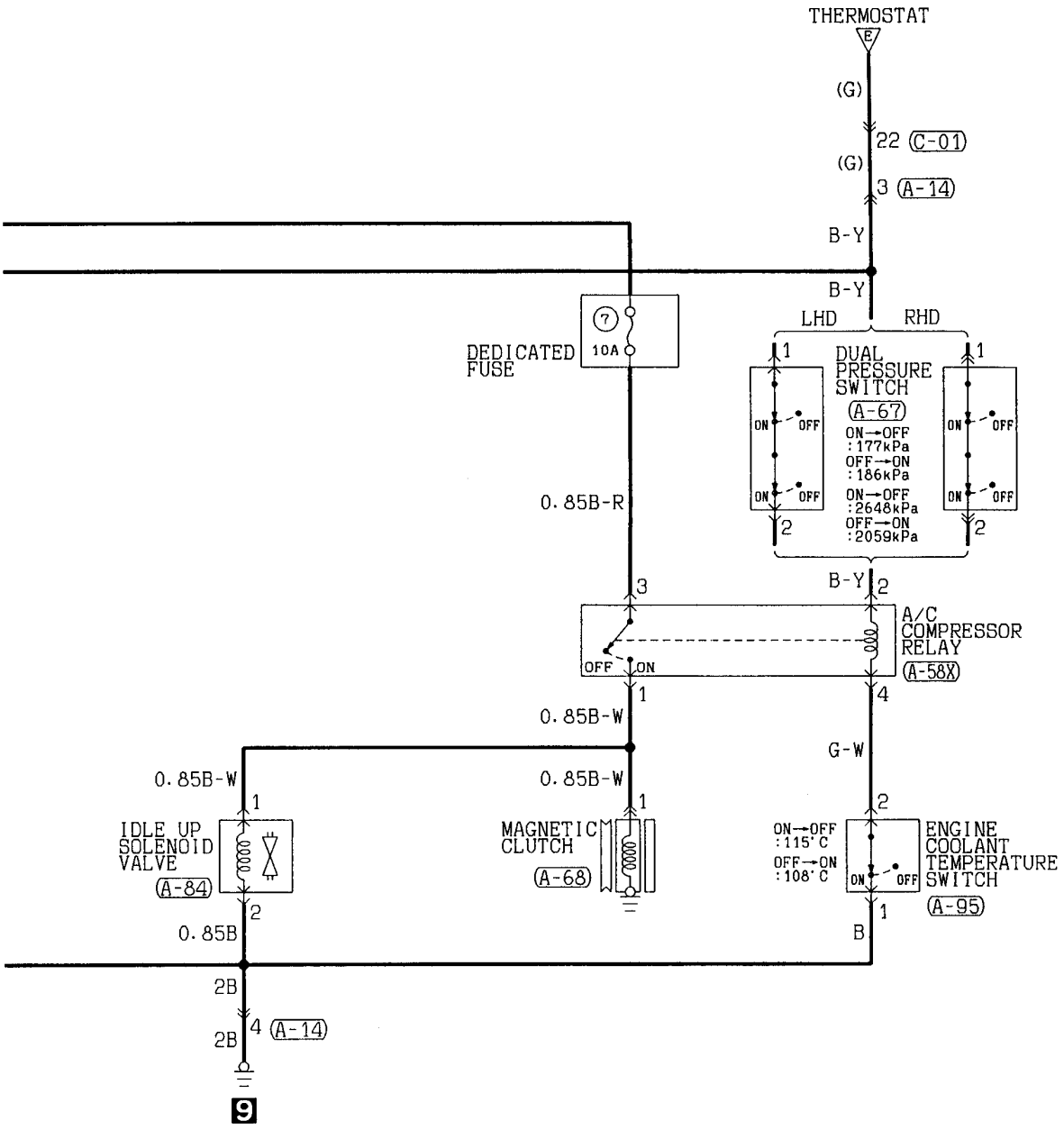

BLOWER SWITCH
DEDICATED FUSE (2)
BLOWER SWITCH
B
A
C
B-Y
(G-W)
L-O
3
1
A/C SWITCH
C-10
ILL
OFF
ON
IND
6
4
5
(B-Y)
RHEOSTAT
B
(L-B)
23
2B
B-Y
7
C-56
WITH RHEOSTAT
WITHOUT RHEOSTAT
5
L-B
1
THERMOSTAT
C-46
3
JUMPER CONNECTOR
C-42
B
GND
3
2
G
B
RHEOSTAT
2
6
8
B
(B)
2B
(G)
2B
10
E
5
AIR THERMO SENSOR
C-86
C-87
C-88
C-89
C-92
C-94

HP12E02AB

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



HP12E02BA

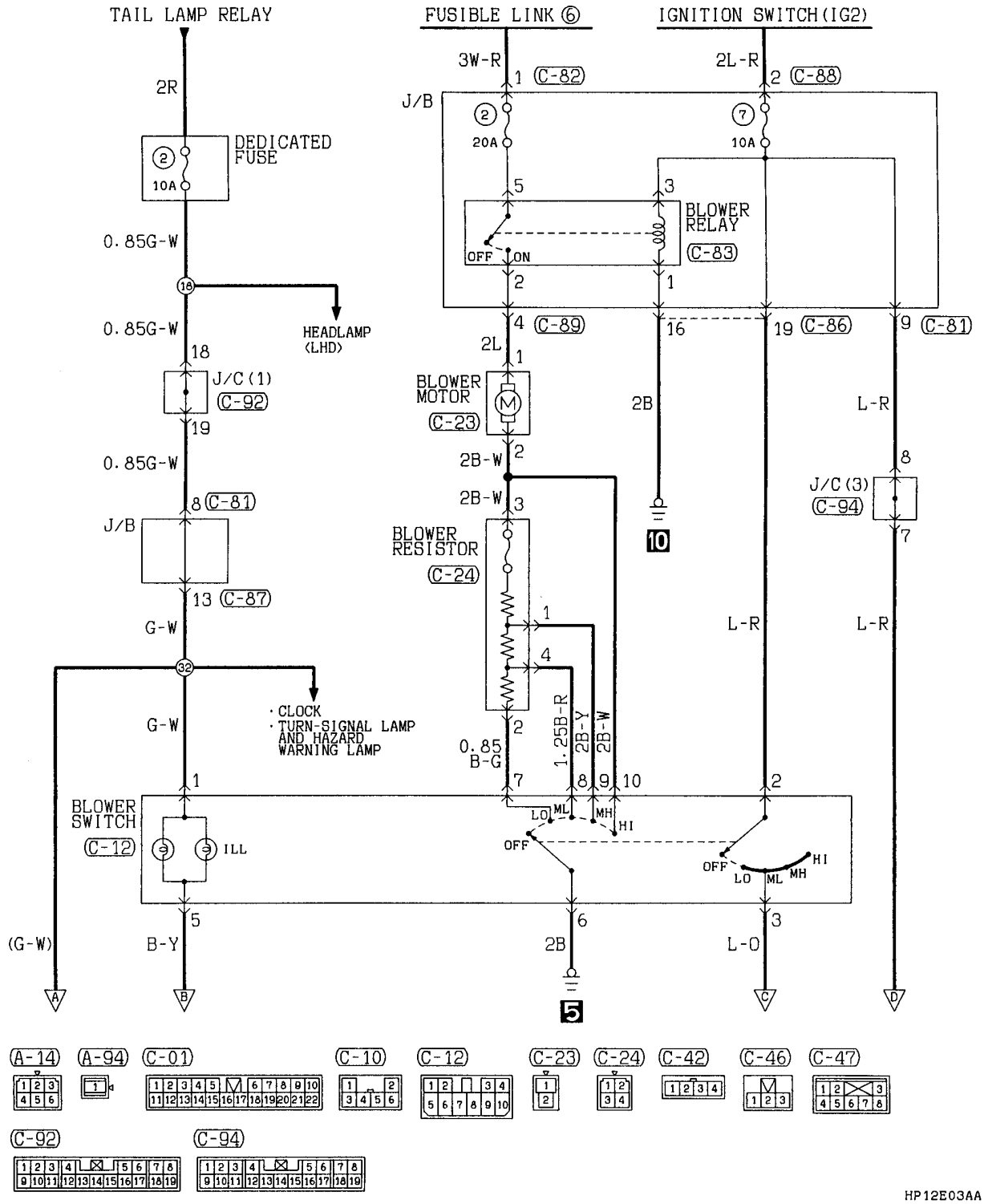

THERMOSTAT
E
(G)
22 C-01
(G)
3 A-14
B-Y
B-Y
LHD
RHD
7
10A
DEDICATED FUSE
1
DUAL PRESSURE SWITCH
A-67
ON→OFF :177kPa
OFF→ON :186kPa
ON→OFF :2648kPa
OFF→ON :2059kPa
ON
OFF
2
0.85B-R
3
B-Y
2
A/C COMPRESSOR RELAY
A-58X
OFF
ON
1
4
0.85B-W
G-W
0.85B-W
0.85B-W
1
2
IDLE UP SOLENOID VALVE
A-84
MAGNETIC CLUTCH
A-68
ON→OFF :115°C
OFF→ON :108°C
ENGINE COOLANT TEMPERATURE SWITCH
A-95
2
0.85B
1
B
2B
2B
4 A-14
9

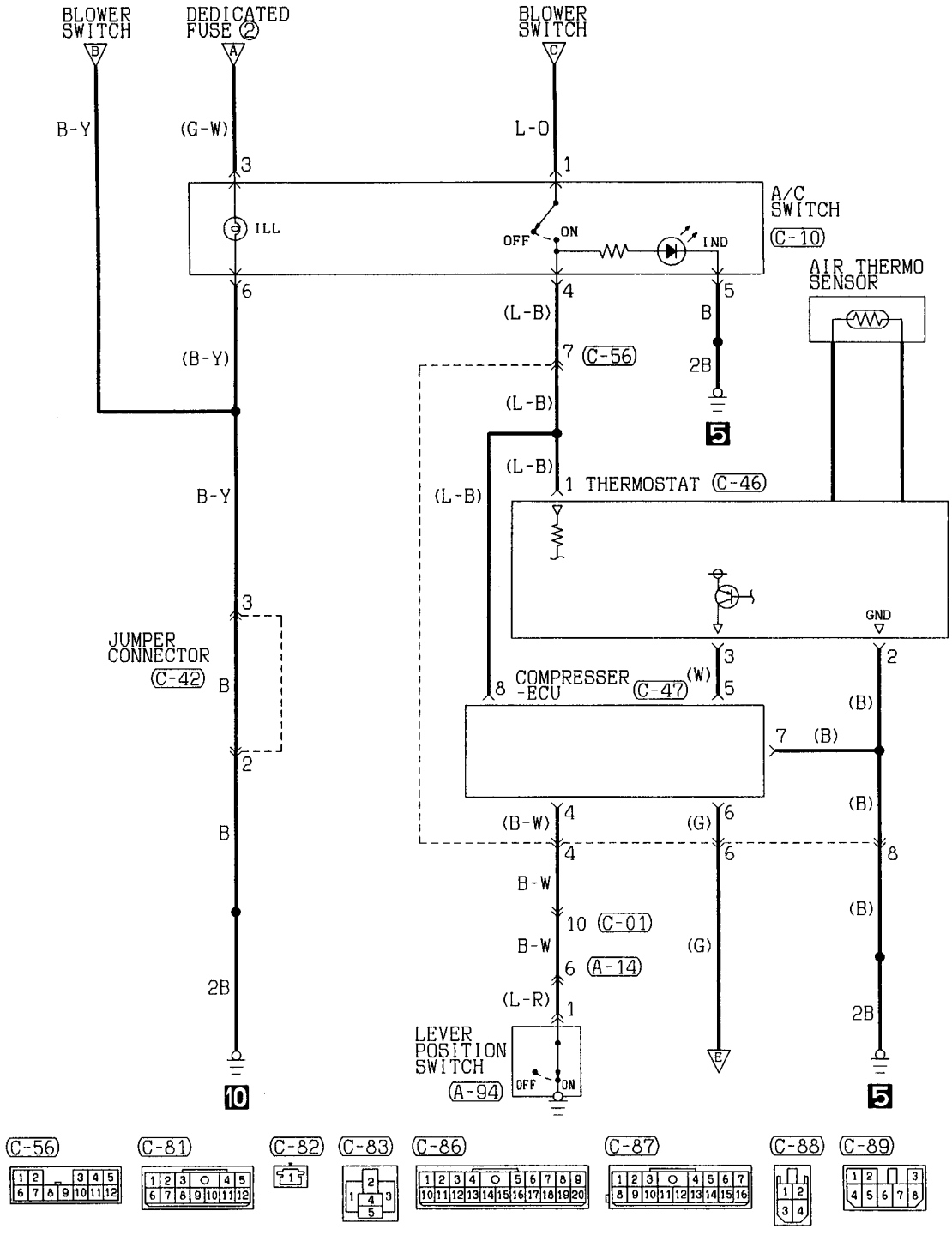
HP12E02BB

AIR CONDITIONER

90101280222

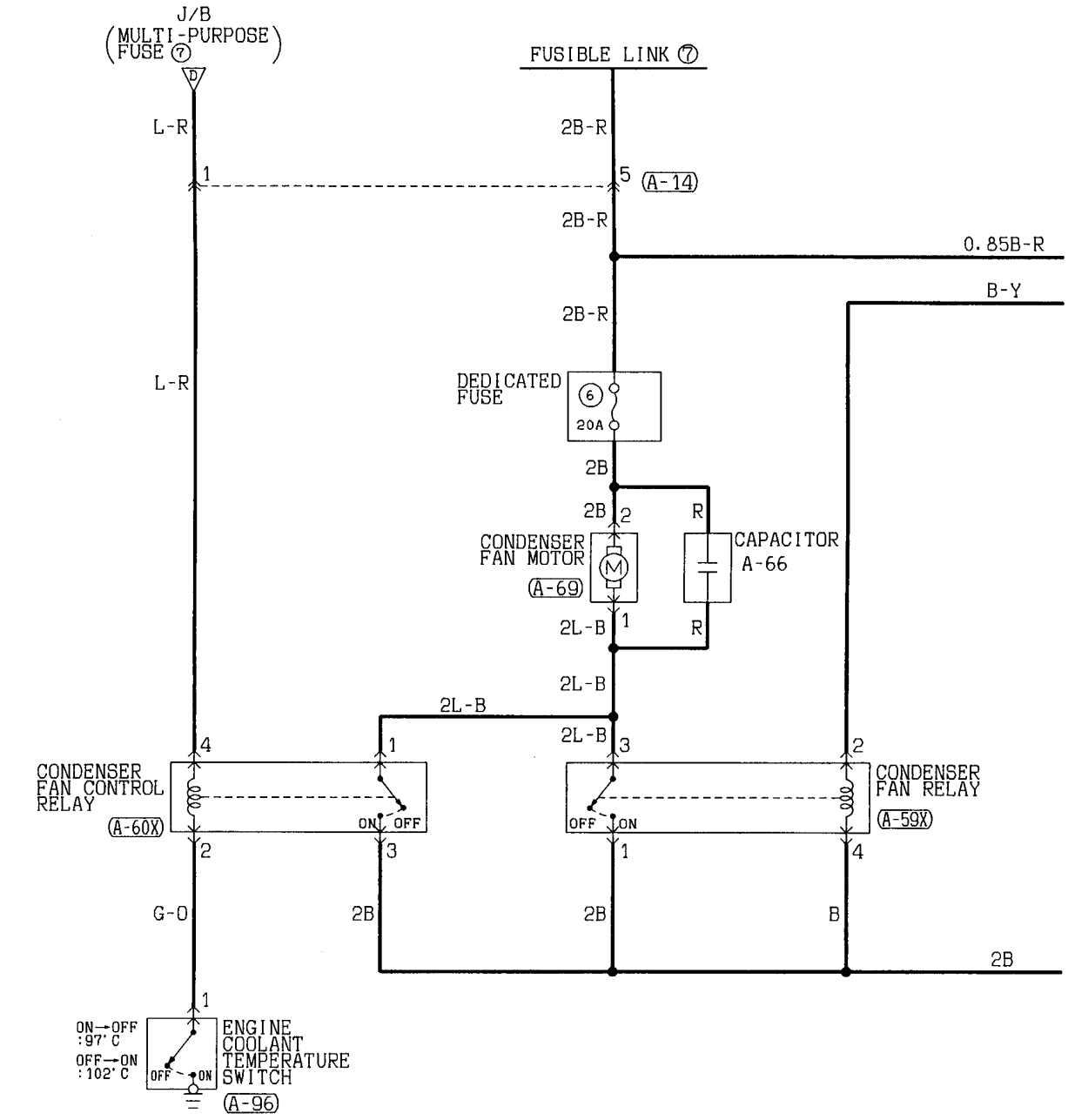
Diesel-powered vehicles with A/T




BLOWER SWITCH
DEDICATED FUSE (2)
BLOWER SWITCH
B-Y
(G-W)
L-O
A/C SWITCH
(C-10)
ILL
OFF
ON
IND
AIR THERMO SENSOR
(L-B)
B
(B-Y)
7 (C-56)
2B
5
1 THERMOSTAT (C-46)
JUMPER CONNECTOR
(C-42)
GND
COMPRESSER -ECU
(C-47)
(W)
(B)
(B-W)
(G)
B-W
10 (C-01)
6 (A-14)
(L-R)
LEVER POSITION SWITCH
(A-94)
10
E
(C-56)
(C-81)
(C-82)
(C-83)
(C-86)
(C-87)
(C-88)
(C-89)

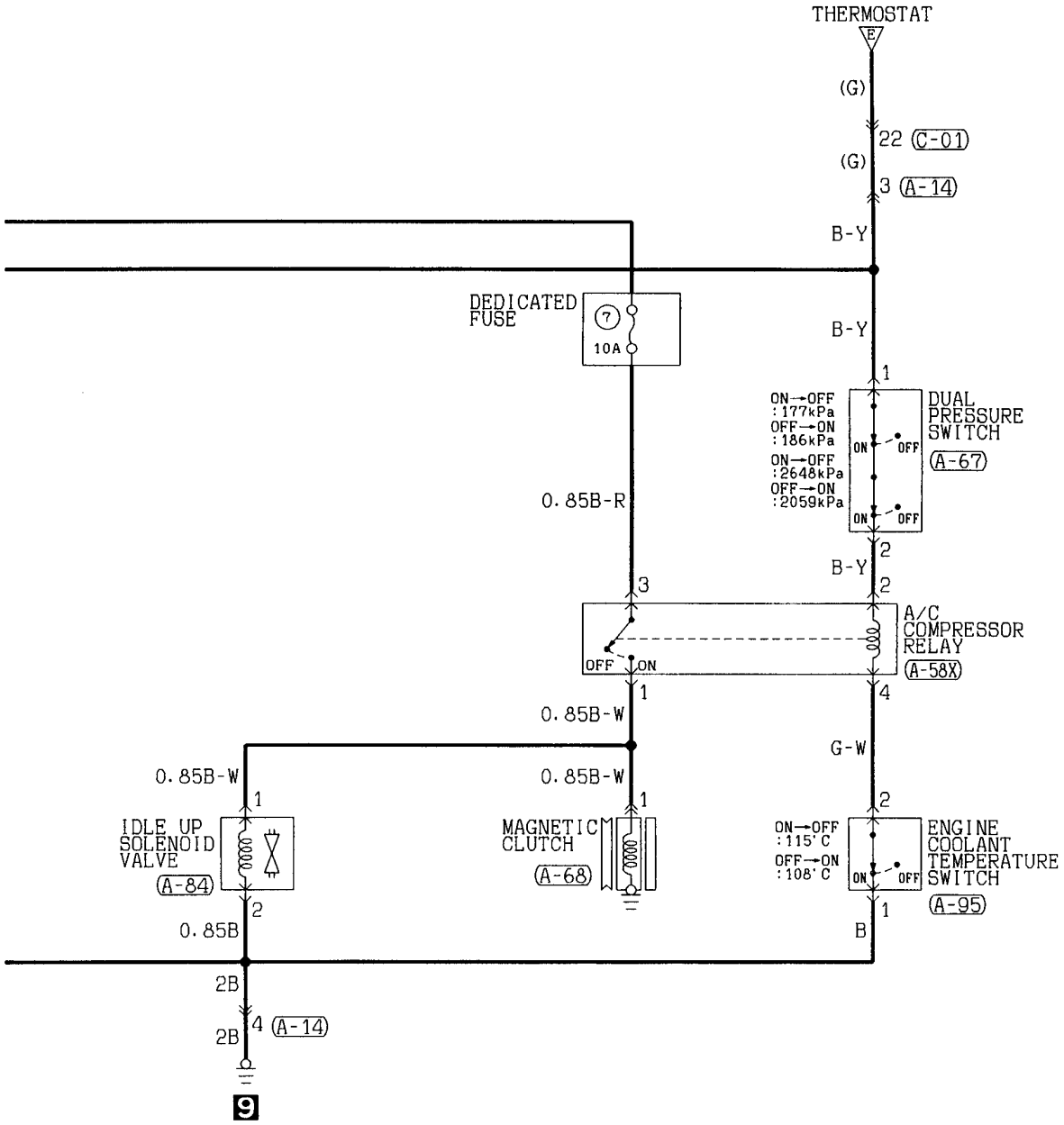
HP12E03AB

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



(A-14) (A-58X) (A-59X) (A-60X) (A-67) (A-68) (A-69) (A-84) (A-95) (A-96) (C-01)

HP12E03BA

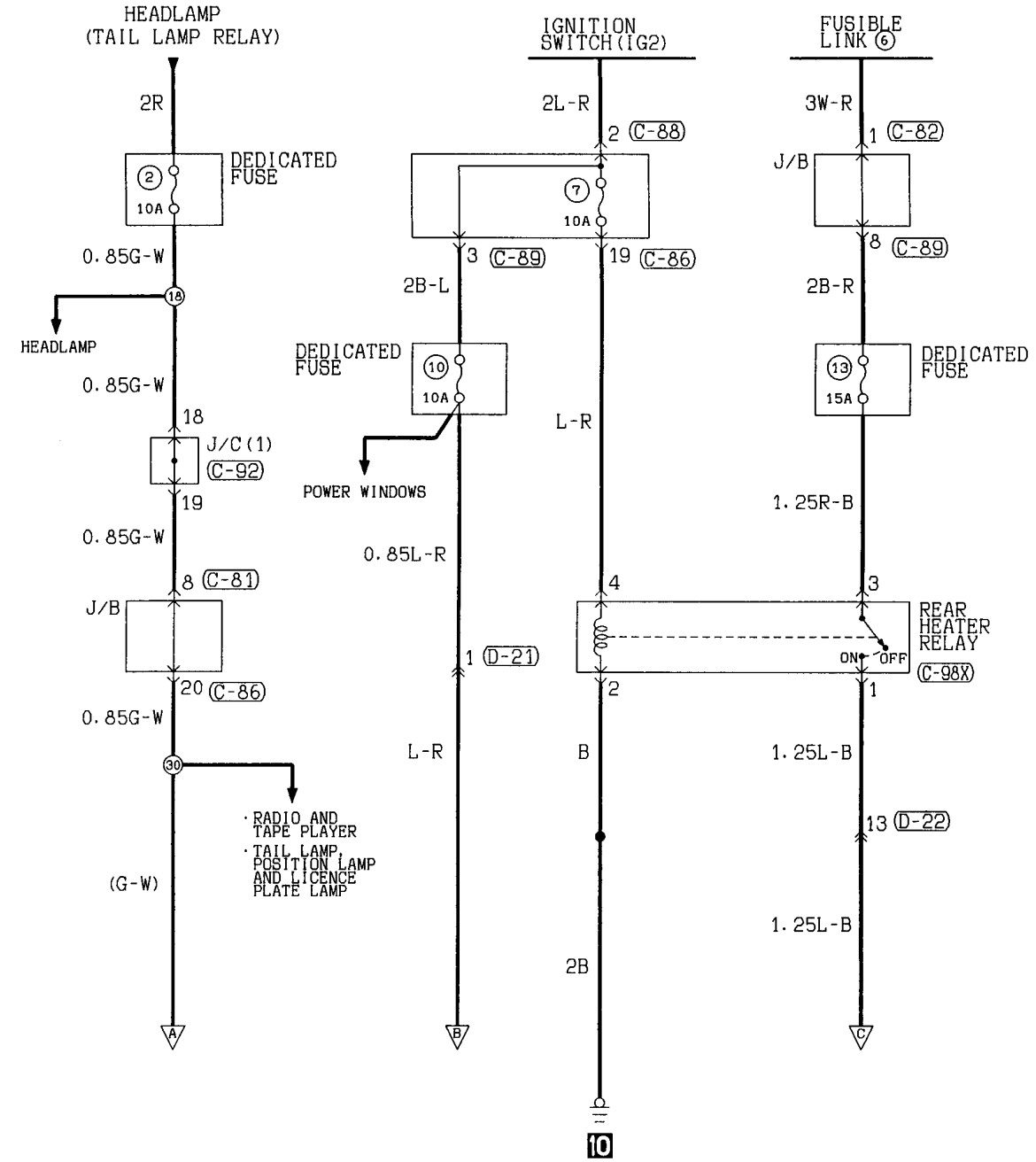

THERMOSTAT
E
(G)
22 C-01
(G)
3 A-14
B-Y
DEDICATED FUSE
7
10A
B-Y
1
ON→OFF :177kPa
OFF→ON :186kPa
ON→OFF :2648kPa
OFF→ON :2059kPa
DUAL PRESSURE SWITCH
A-67
0.85B-R
B-Y
2
3
2
A/C COMPRESSOR RELAY
A-58X
OFF
ON
1
4
0.85B-W
G-W
0.85B-W
0.85B-W
1
2
IDLE UP SOLENOID VALVE
A-84
MAGNETIC CLUTCH
A-68
ON→OFF :115°C
OFF→ON :108°C
ENGINE COOLANT TEMPERATURE SWITCH
A-95
2
0.85B
1
B
2B
2B
4 A-14
9

HP12E03BB

REAR HEATER

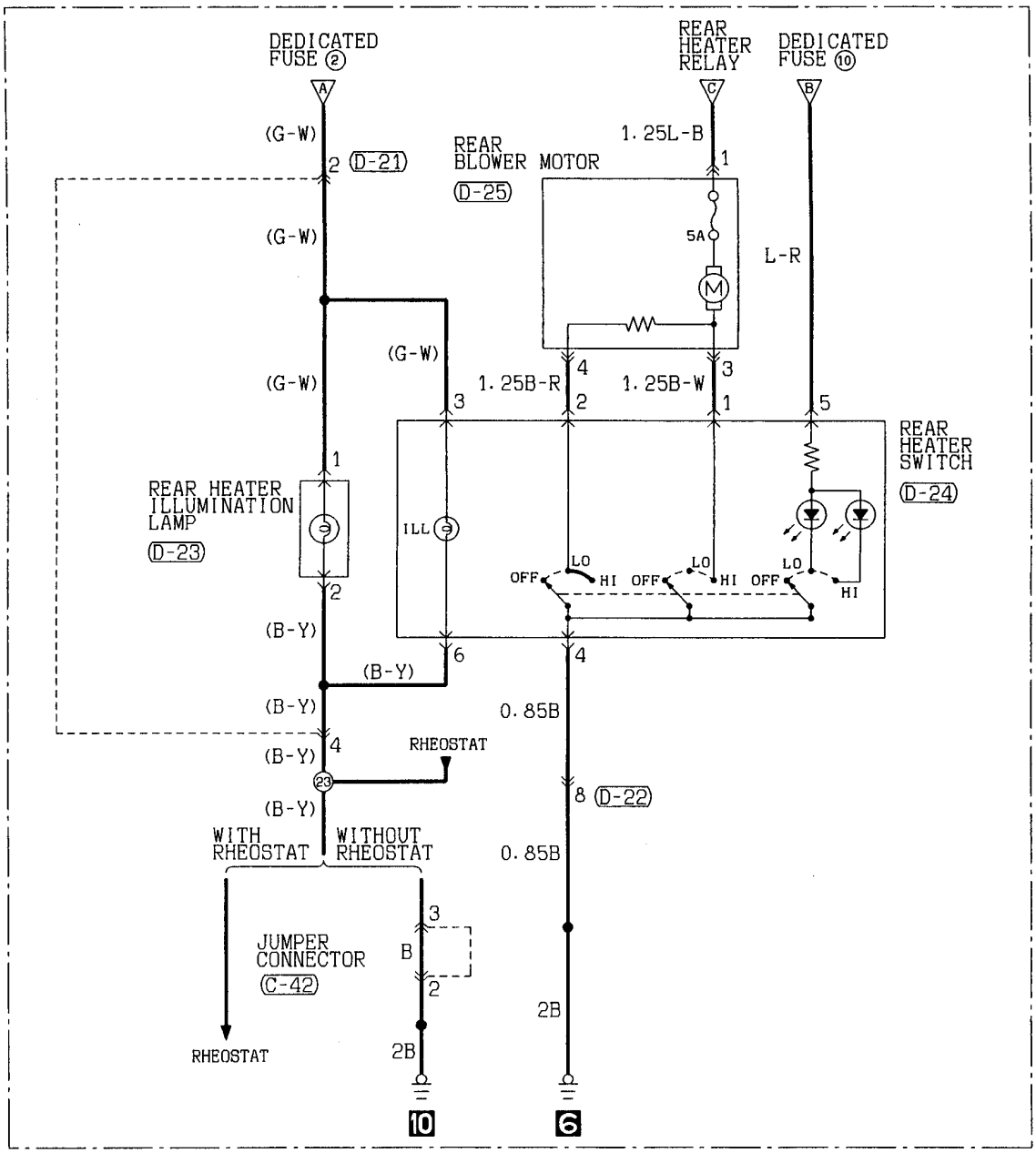
90101530037

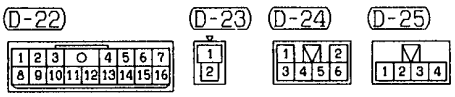
1998 Models



8P12E00AA

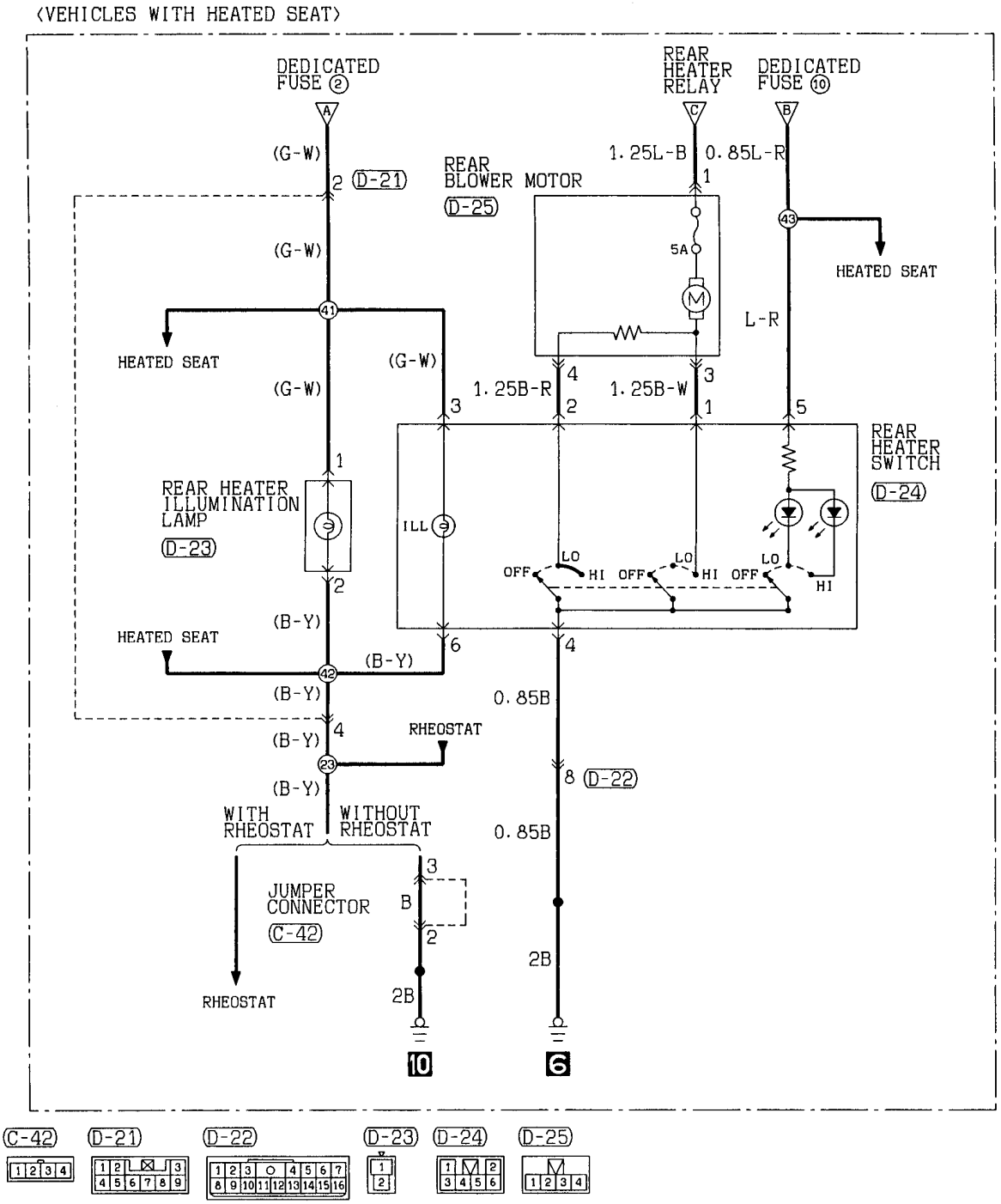
〈VEHICLES WITHOUT HEATED SEAT〉





8P12E00AB

REAR HEATER <1998 Models> (CONTINUED)



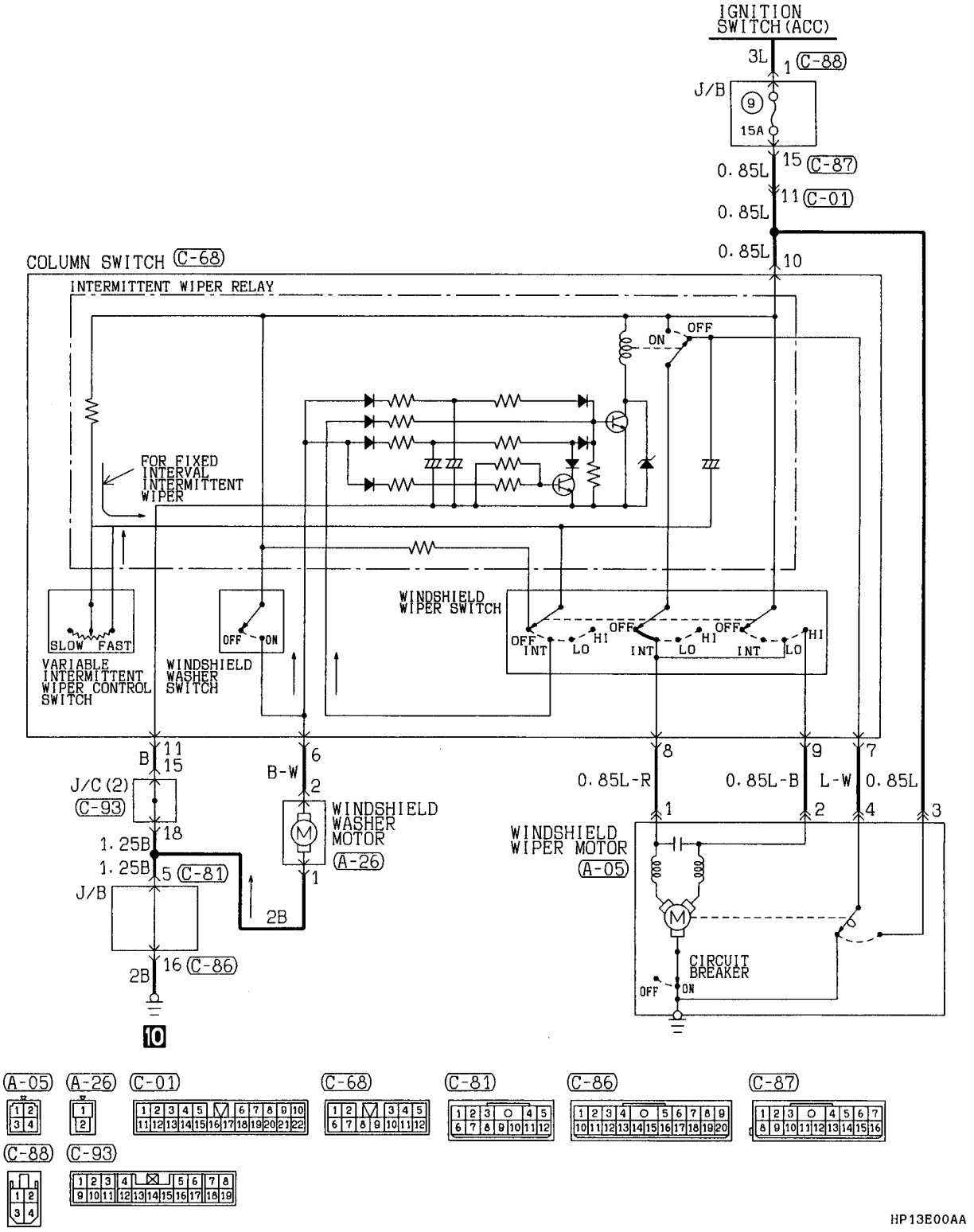
8P12E00BA

NOTES

WINDSHIELD WIPER AND WASHER

90100610220

L.H. drive vehicles

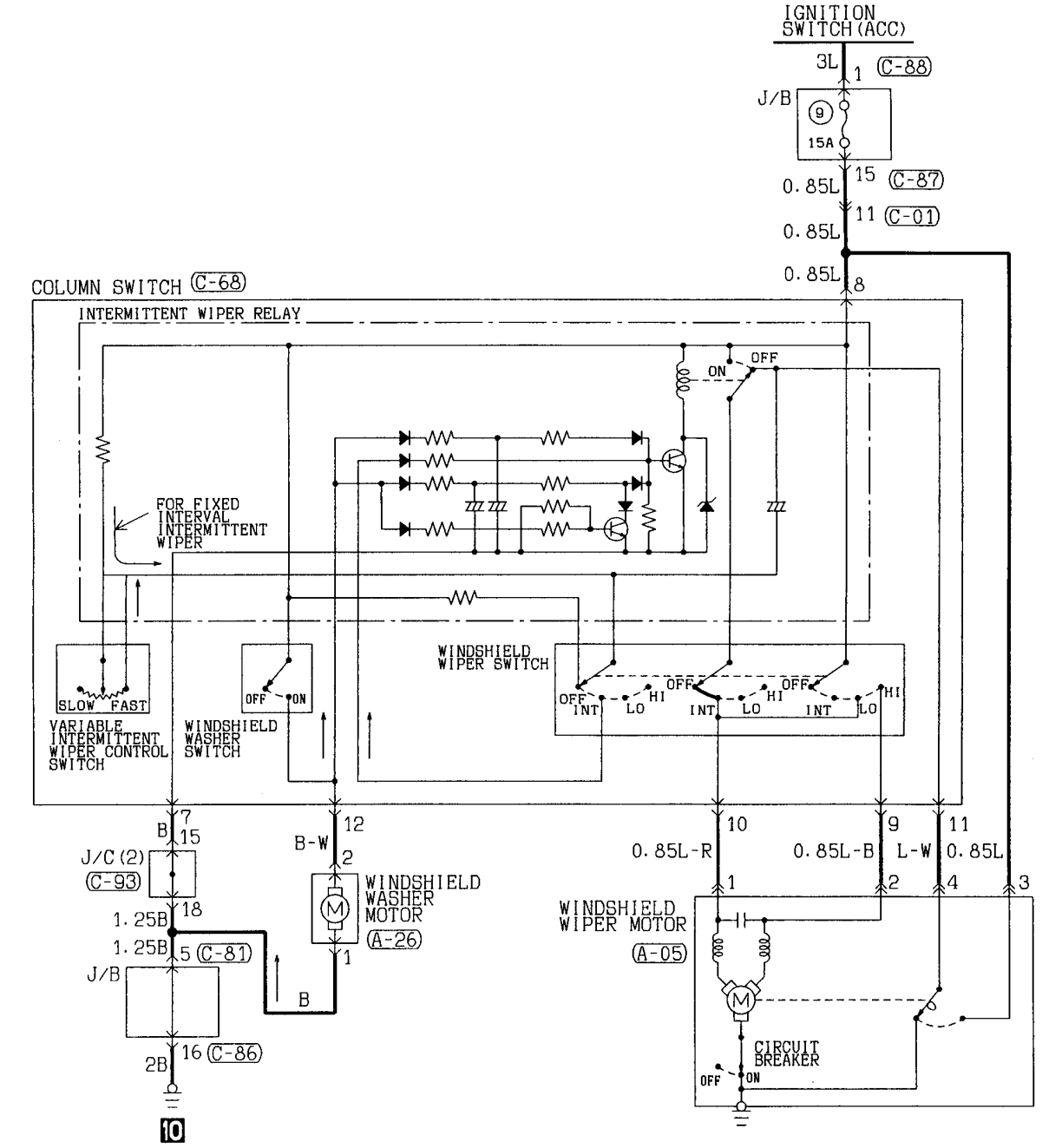


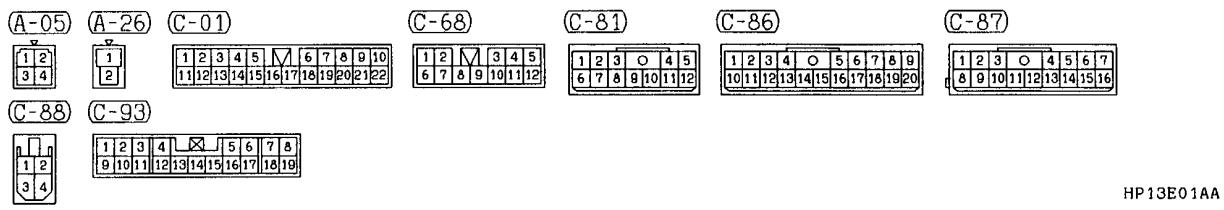
HP13E00AA

WINDSHIELD WIPER AND WASHER

90100610237

R.H. drive vehicles





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.

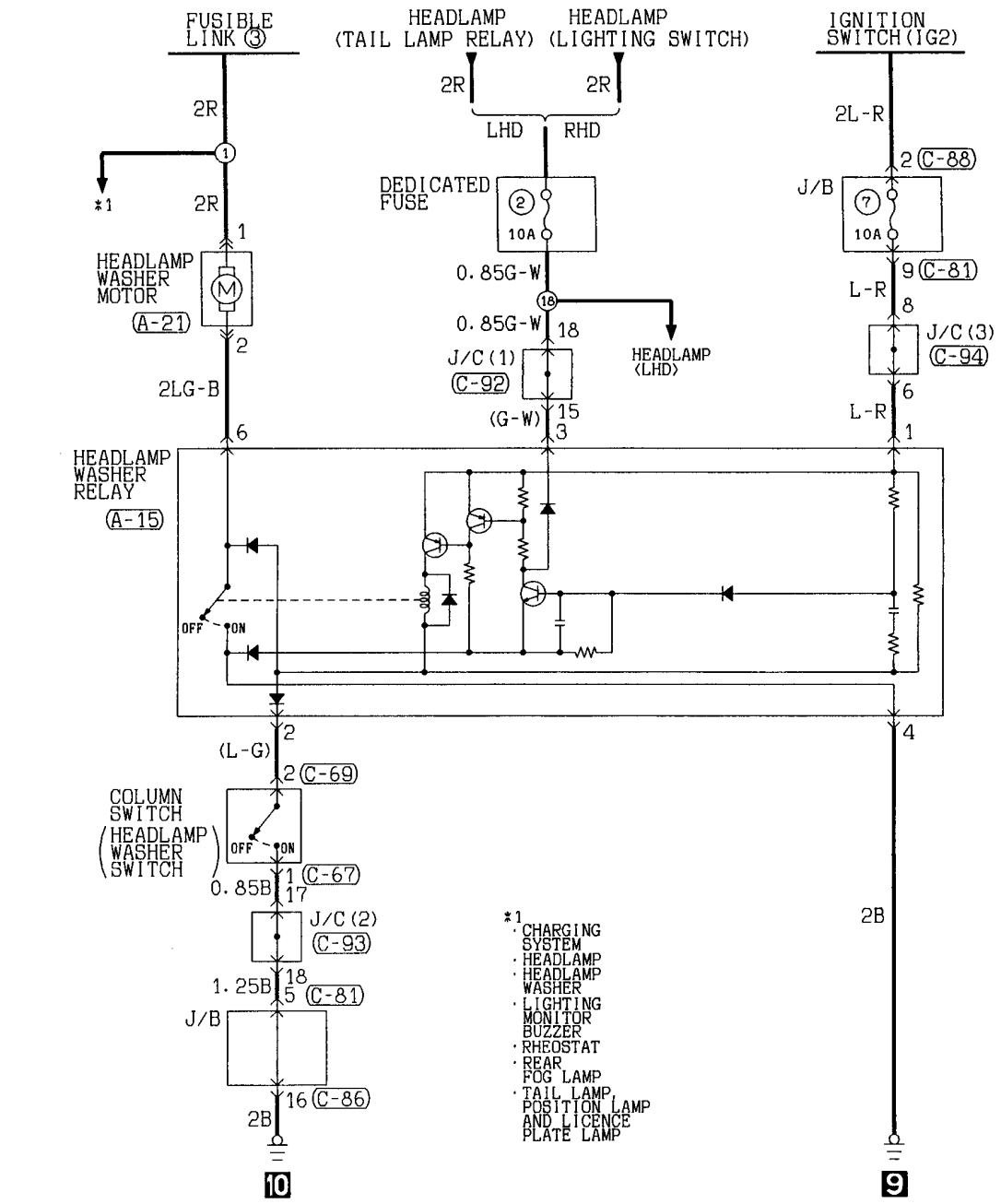
TROUBLESHOOTING HINTS

1. Wipers do not operate.
   (1) Washer is not operative, either.
   - Check multi-purpose fuse No. (9).
   - Check earth.
2. Low-speed (or high-speed) wiper operation only is inoperative.
   - Check wiper switch.
3. Wipers do not stop.
   - Check wiper motor.
   - Check intermittent wiper relay.
   - Check wiper switch.
4. 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)
5. The length of pause for intermittent operation cannot be varied.
   - Check variable intermittent wiper control switch.
   - Check intermittent wiper relay.
6. Washer is inoperative.
   (1) Wiper is operative on washer-activated wiper operation.
   - Check washer motor.
   (2) Washer-activated wiper operation is inoperative also.
   - Check washer switch.
7. 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

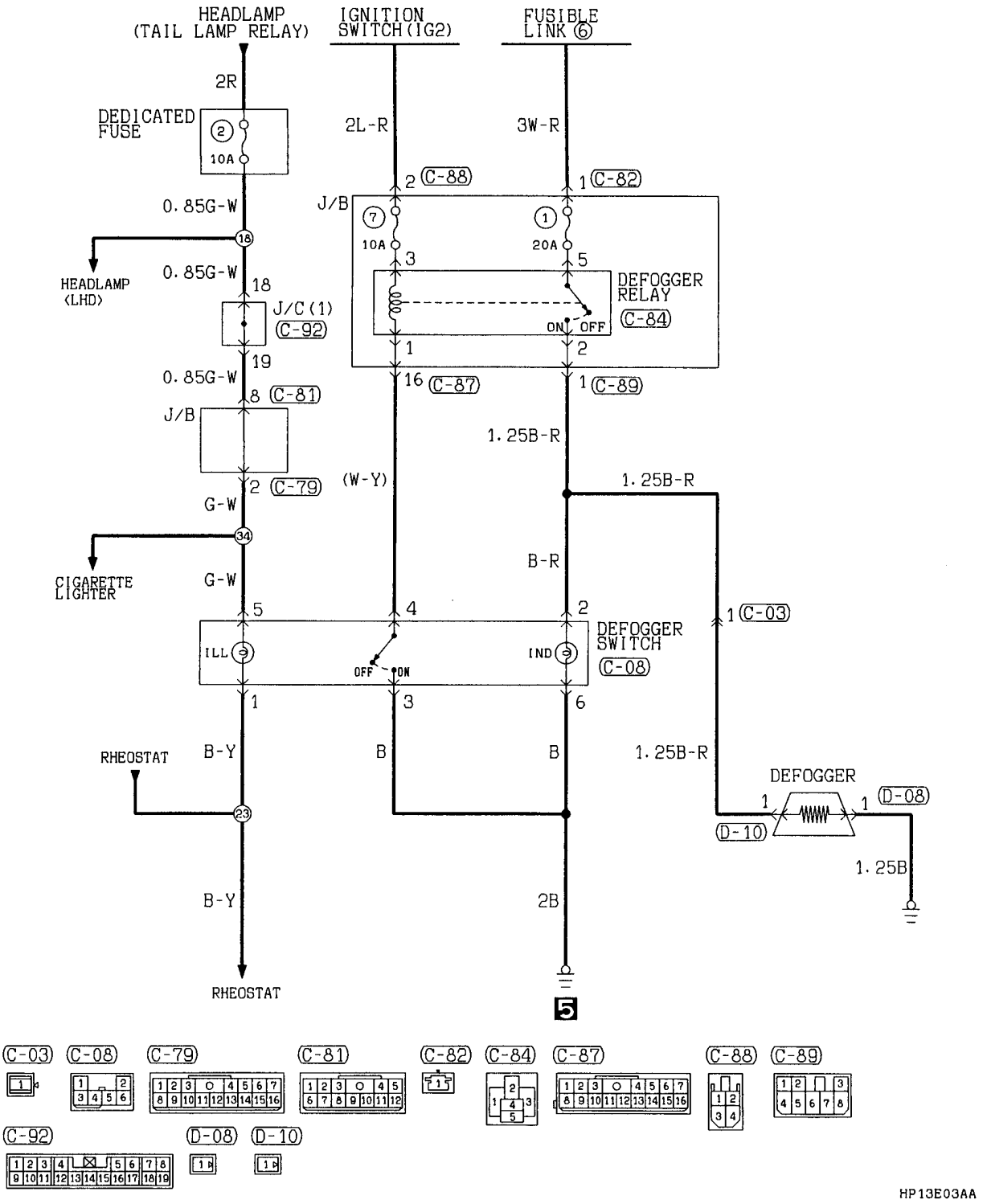


HP13E02AA

DEFOGGER

90100640151

1997 Models



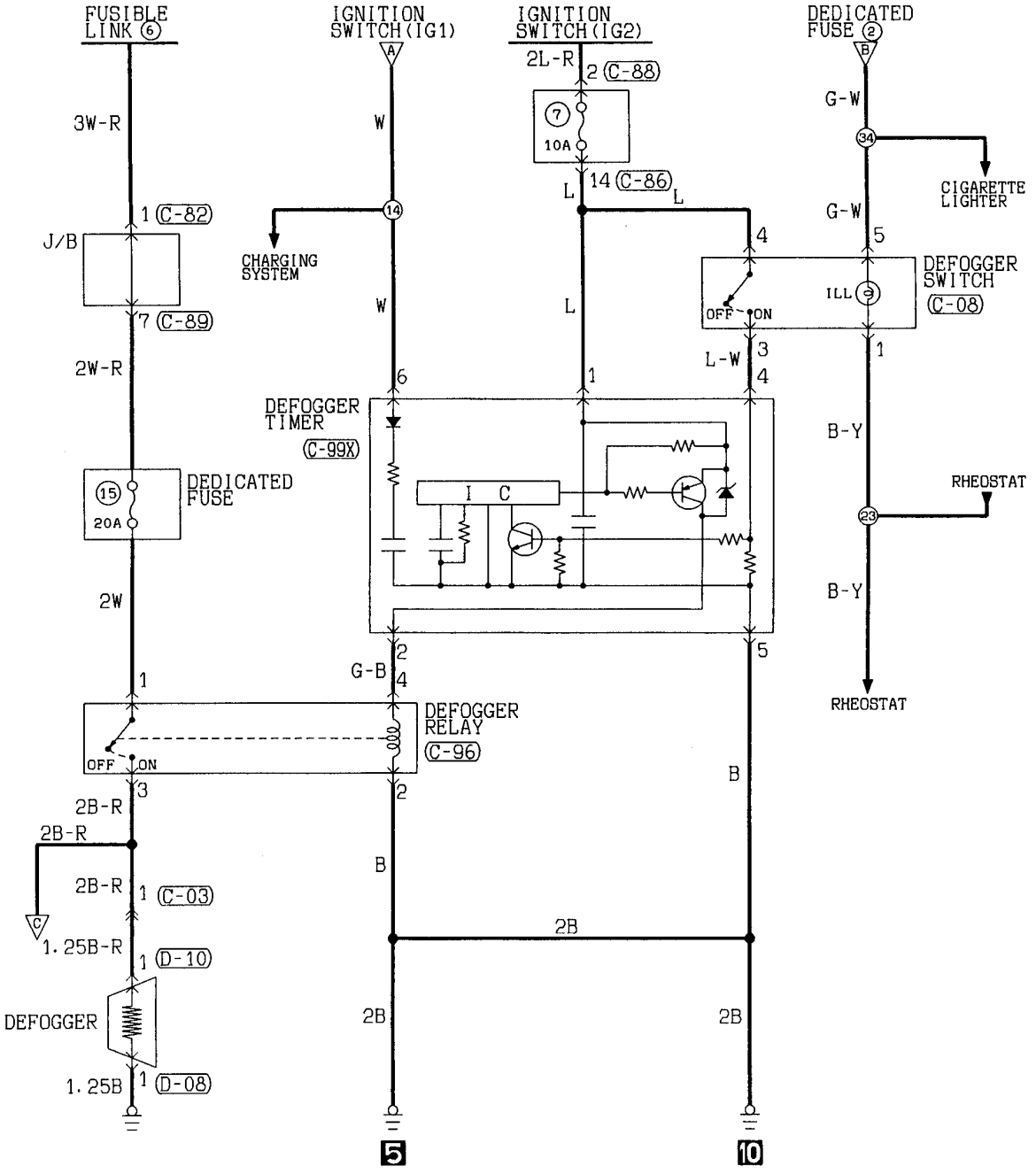
HP13E03AA

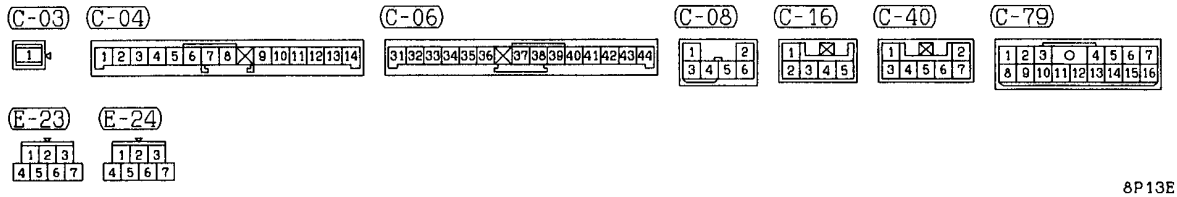
NOTES

DEFOGGER AND DOOR MIRROR HEATER

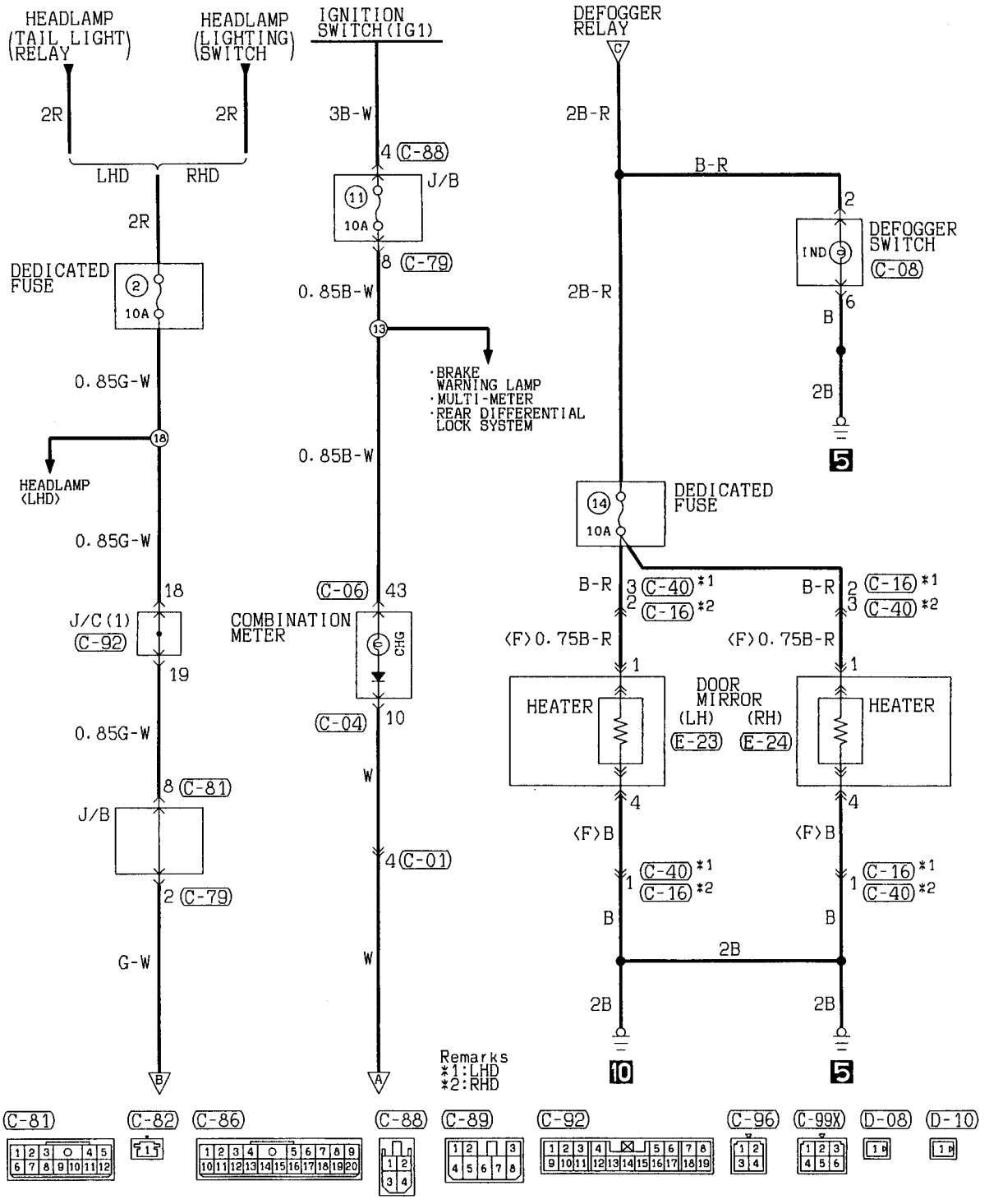
90100640458

Vehicles with Defogger timer <1998 Models>





8P13E00AA

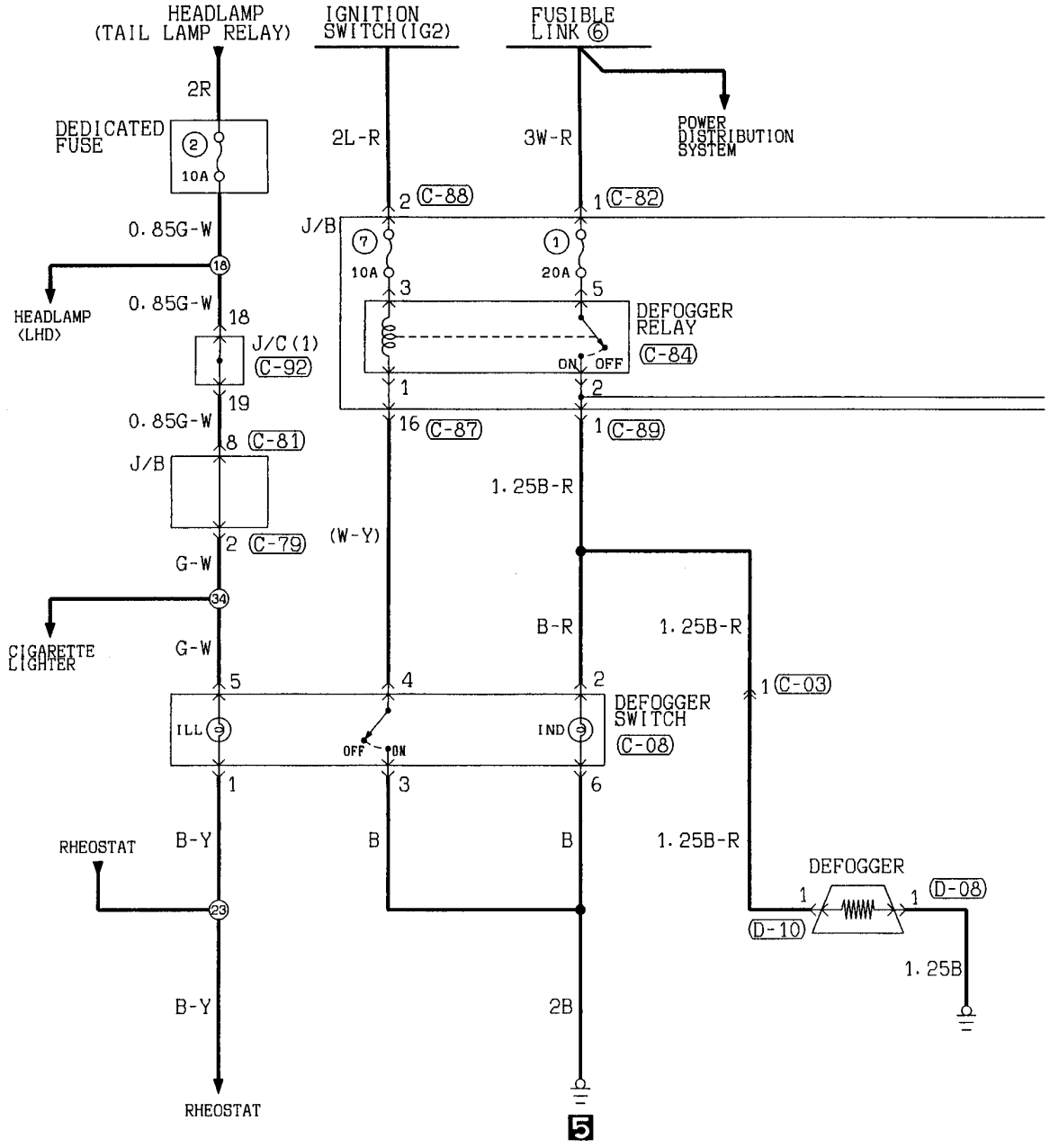

HEADLAMP (TAIL LIGHT) RELAY
HEADLAMP (LIGHTING) SWITCH
IGNITION SWITCH(IG1)
DEFOGGER RELAY
2R
LHD
RHD
3B-W
4 C-88
J/B
11
10A
8 C-79
DEDICATED FUSE
2
0.85G-W
0.85B-W
13
·BRAKE WARNING LAMP
·MULTI-METER
·REAR DIFFERENTIAL LOCK SYSTEM
18
HEADLAMP (LHD)
18
J/C(1) C-92
19
8 C-81
J/B
2 C-79
G-W
B
C-06 43
COMBINATION METER
CHG
C-04 10
W
4 C-01
A
2B-R
B-R
2
DEFOGGER SWITCH C-08
IND
6
B
2B
5
14
DEDICATED FUSE
B-R 3 C-40 *1 2 C-16 *2
B-R 2 C-16 *1 3 C-40 *2
(F)0.75B-R
1
HEATER
DOOR MIRROR (LH) E-23 (RH) E-24
4
(F)B
C-40 *1 C-16 *2
C-16 *1 C-40 *2
B
2B
10
Remarks
*1:LHD
*2:RHD
C-81
C-82
C-86
C-88
C-89
C-92
C-96
C-99X
D-08
D-10

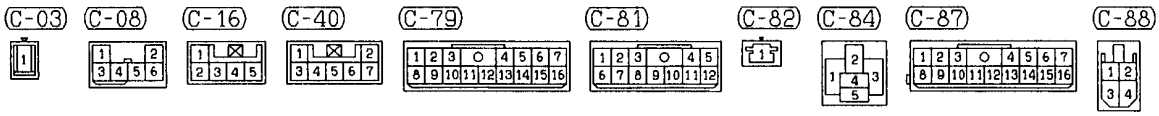
8P13E00AB

DEFOGGER AND DOOR MIRROR HEATER

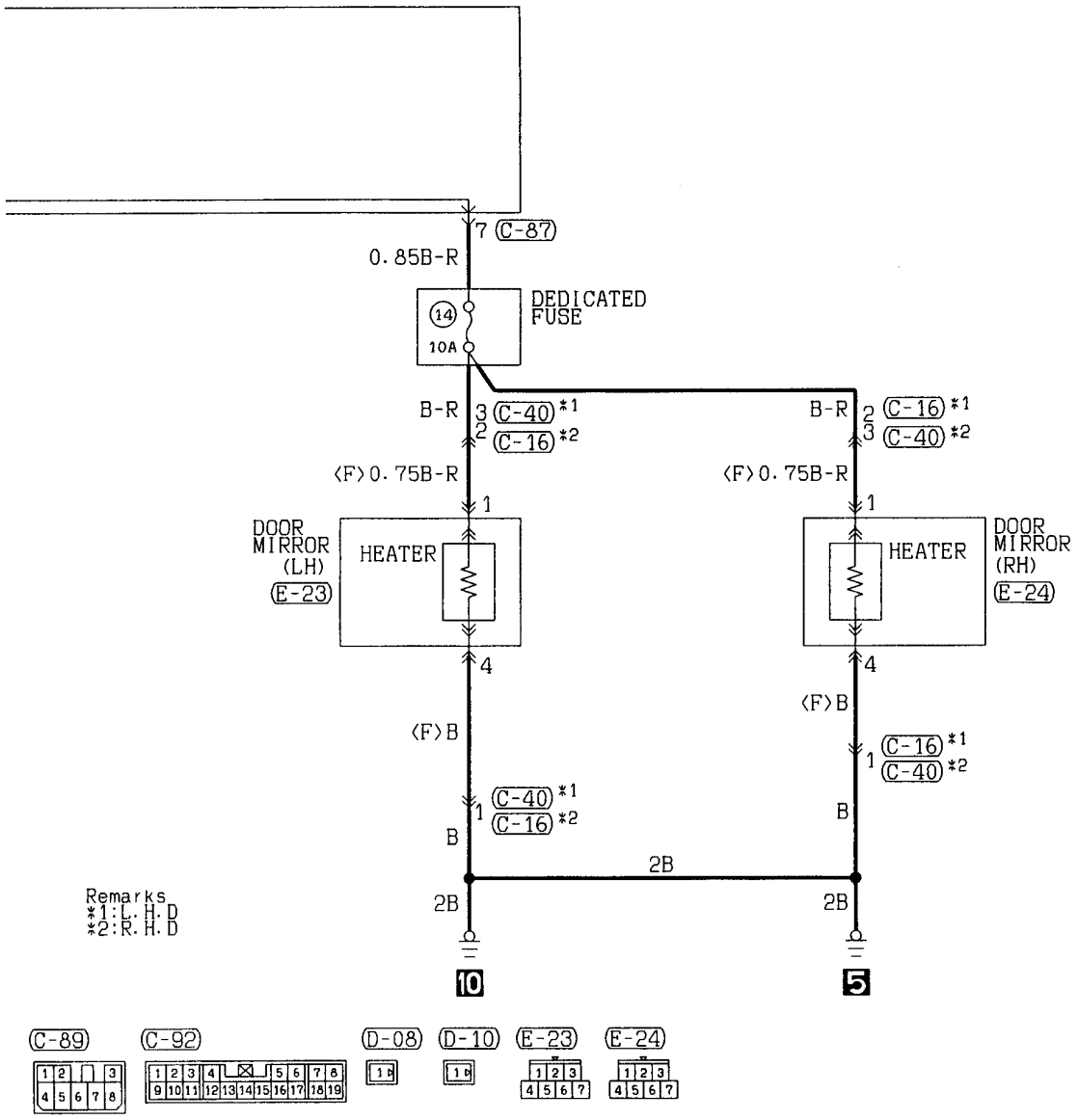
90100640465

Vehicles without Defogger timer <1998 Models>





8P13E01AA

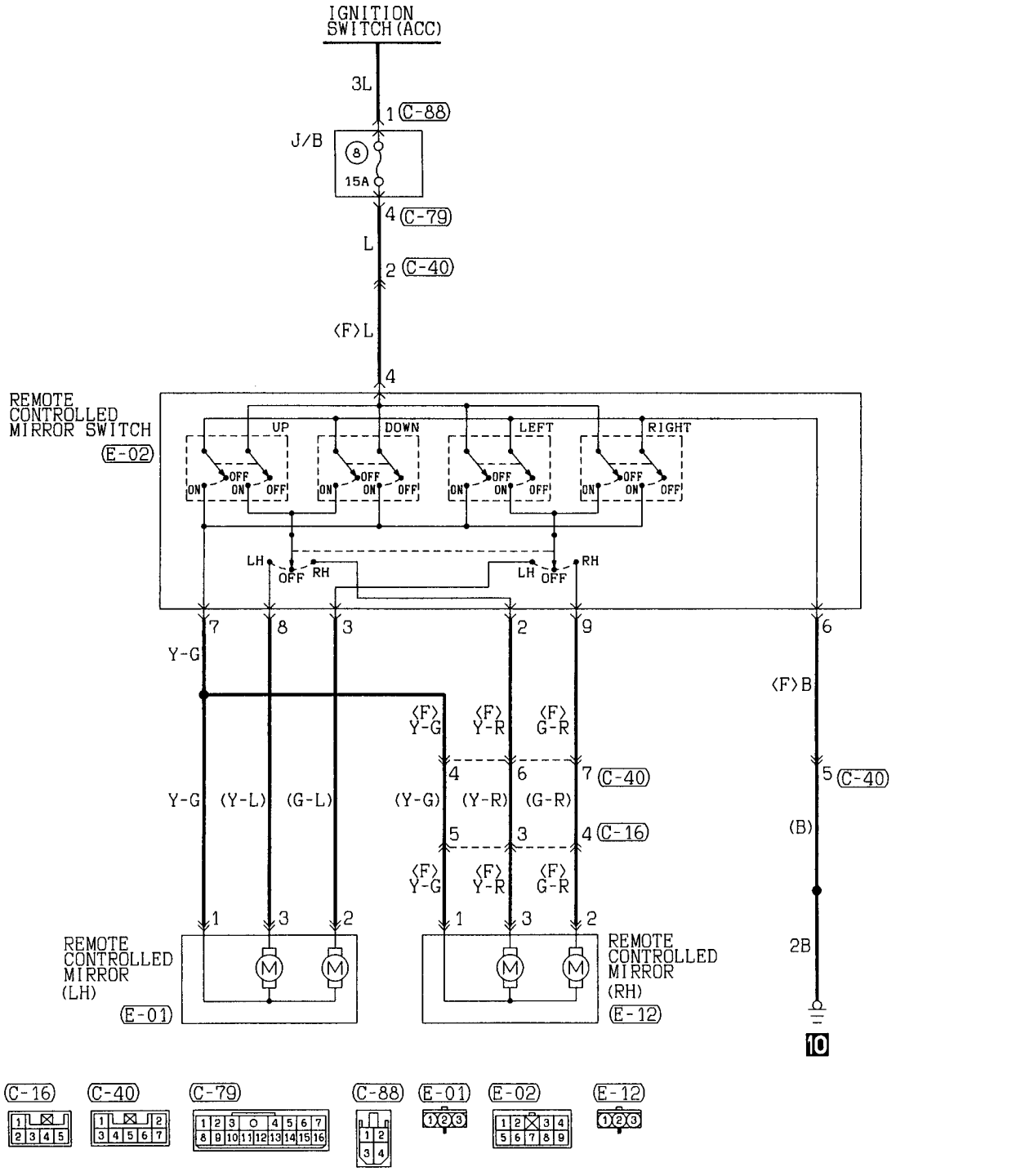

7 C-87
0.85B-R
14
10A
DEDICATED FUSE
B-R
3 C-40 *1
2 C-16 *2
B-R
2 C-16 *1
3 C-40 *2
⟨F⟩0.75B-R
⟨F⟩0.75B-R
1
1
DOOR MIRROR (LH) E-23
HEATER
HEATER
DOOR MIRROR (RH) E-24
4
4
⟨F⟩B
⟨F⟩B
C-16 *1
C-40 *2
1
C-40 *1
C-16 *2
1
B
B
2B
2B
2B
Remarks
*1:L.H.D
*2:R.H.D
10
5
C-89
C-92
D-08
D-10
E-23
E-24

8P13E01AB

REMOTE CONTROLLED MIRROR

90100650185

L.H. drive vehicles <1997 Models>

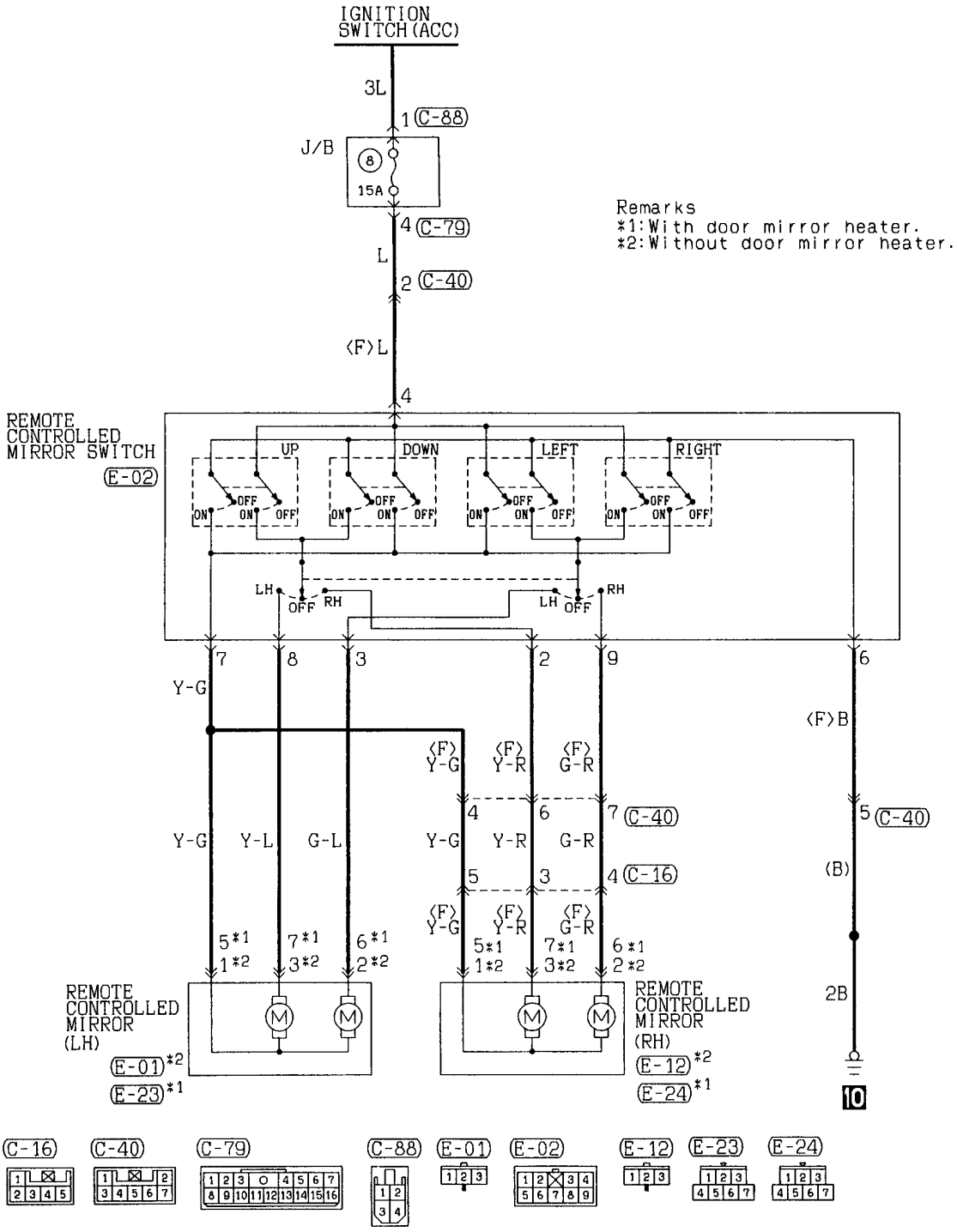


HP13E04AA

REMOTE CONTROLLED MIRROR

90100650437

L.H. drive vehicles <1998 Models>



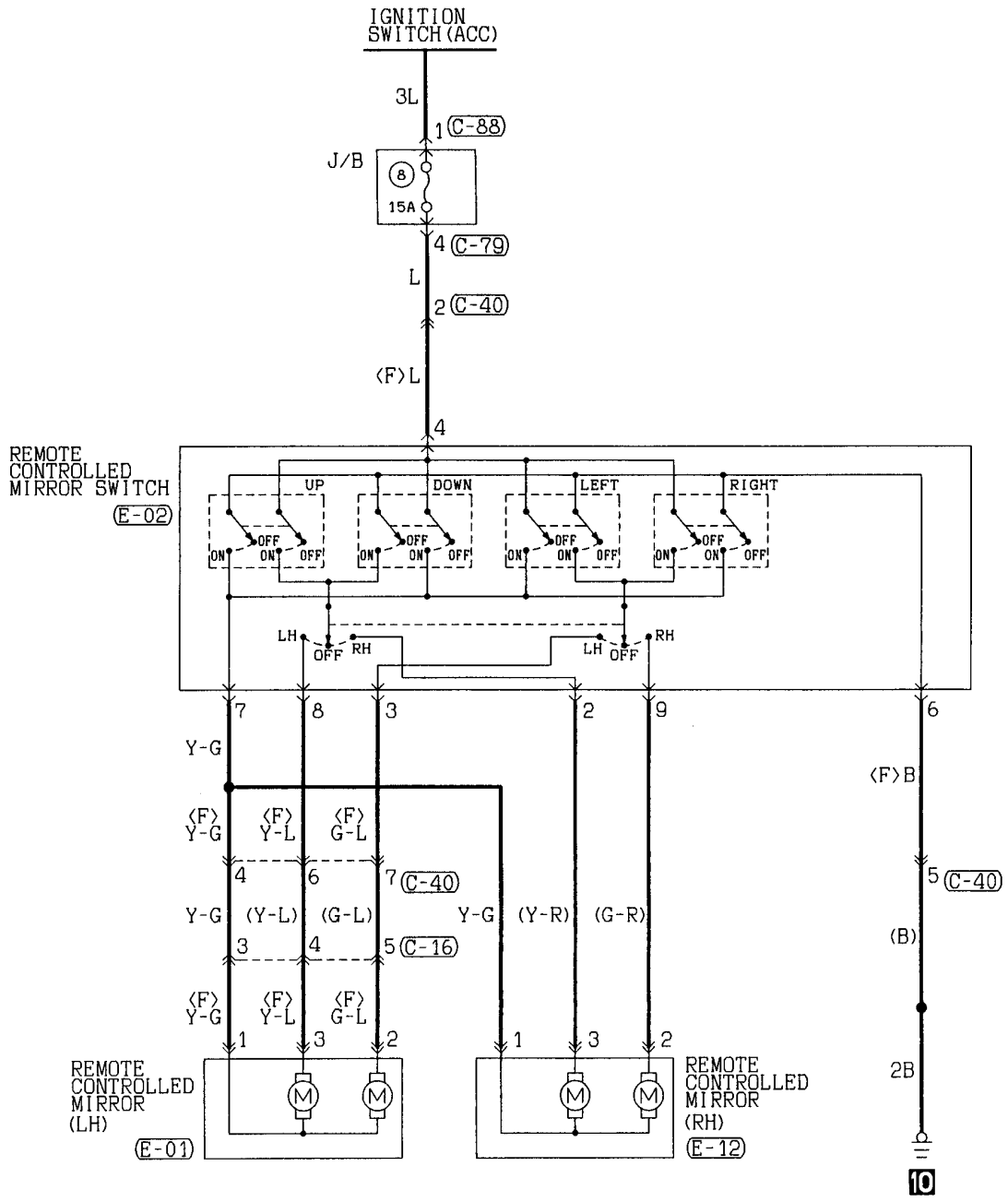
Remarks
*1: With door mirror heater.
*2: Without door mirror heater.

8P13E02AA

REMOTE CONTROLLED MIRROR

90100650192

R.H. drive vehicles <1997 Models>

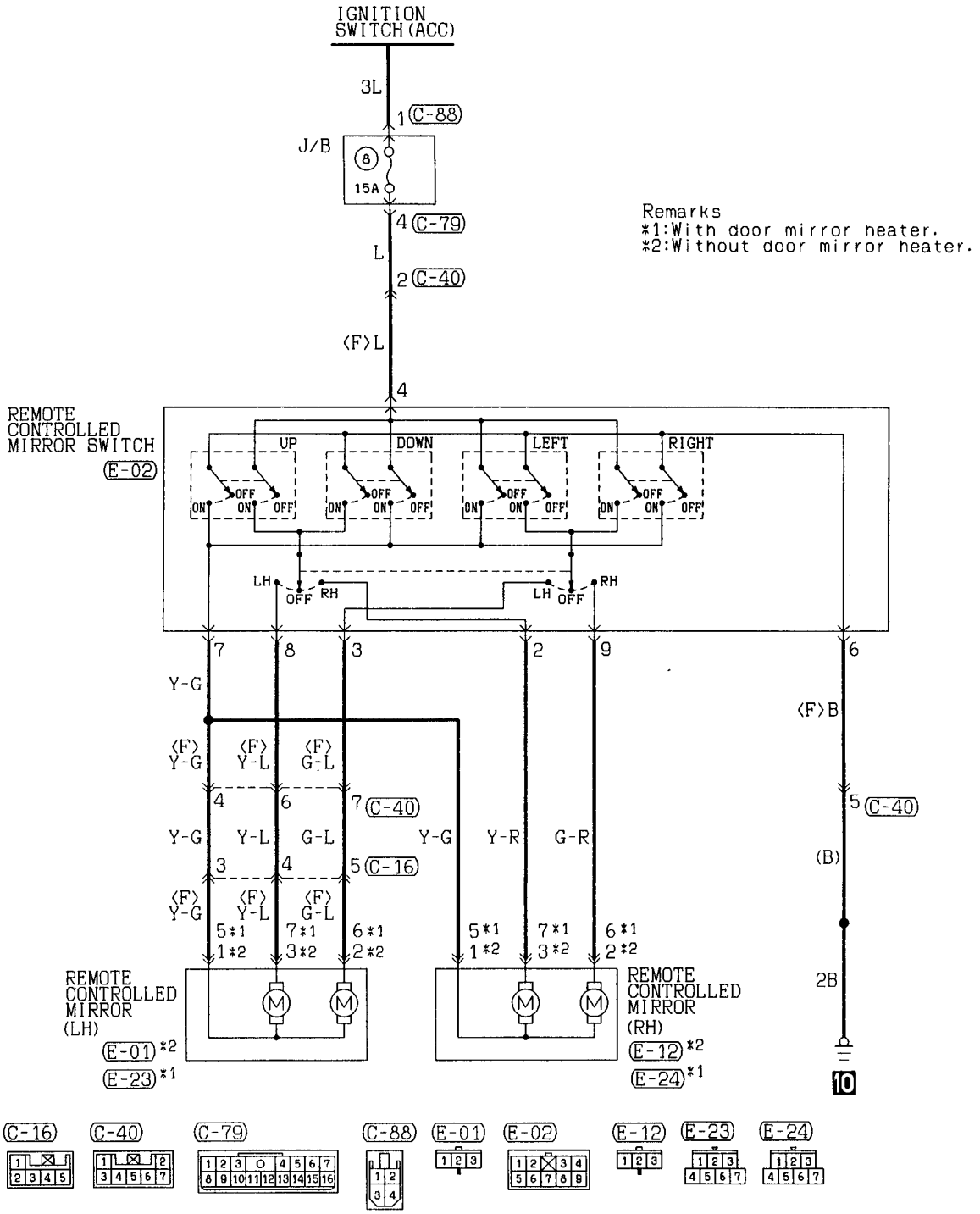


HP13E05AA

REMOTE CONTROLLED MIRROR

90100650444

R.H. drive vehicles <1998 Models>



Remarks
*1: With door mirror heater.
*2: Without door mirror heater.

8P13E03AA

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

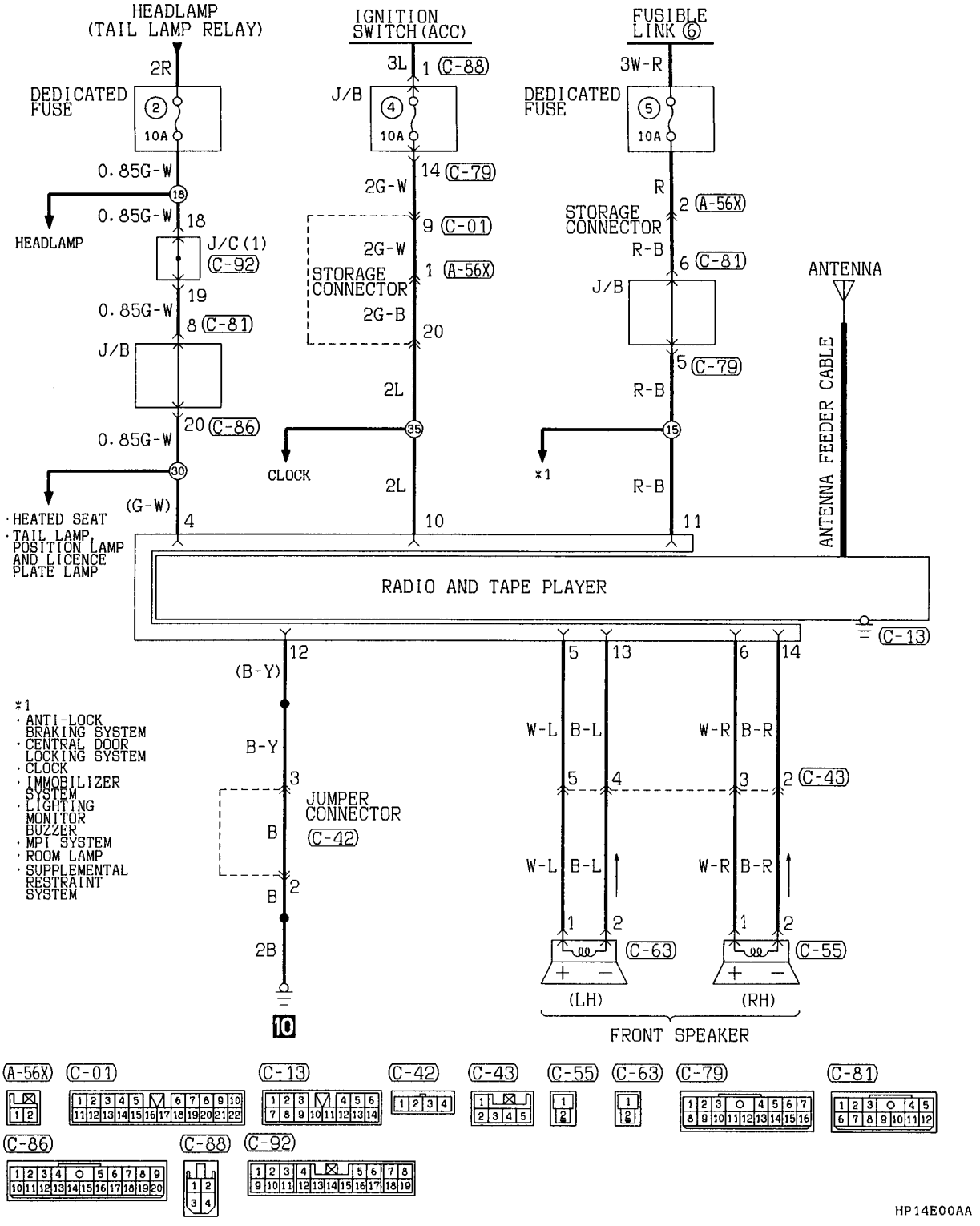
1. LH and RH mirrors do not move.
   (1) Cigarette lighter is also inoperative.
      - Check multi-purpose fuse No. (8).
   (2) Cigarette lighter is operative.
      - Check remote controlled mirror switch.

NOTES

RADIO AND TAPE PLAYER

90100720336

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

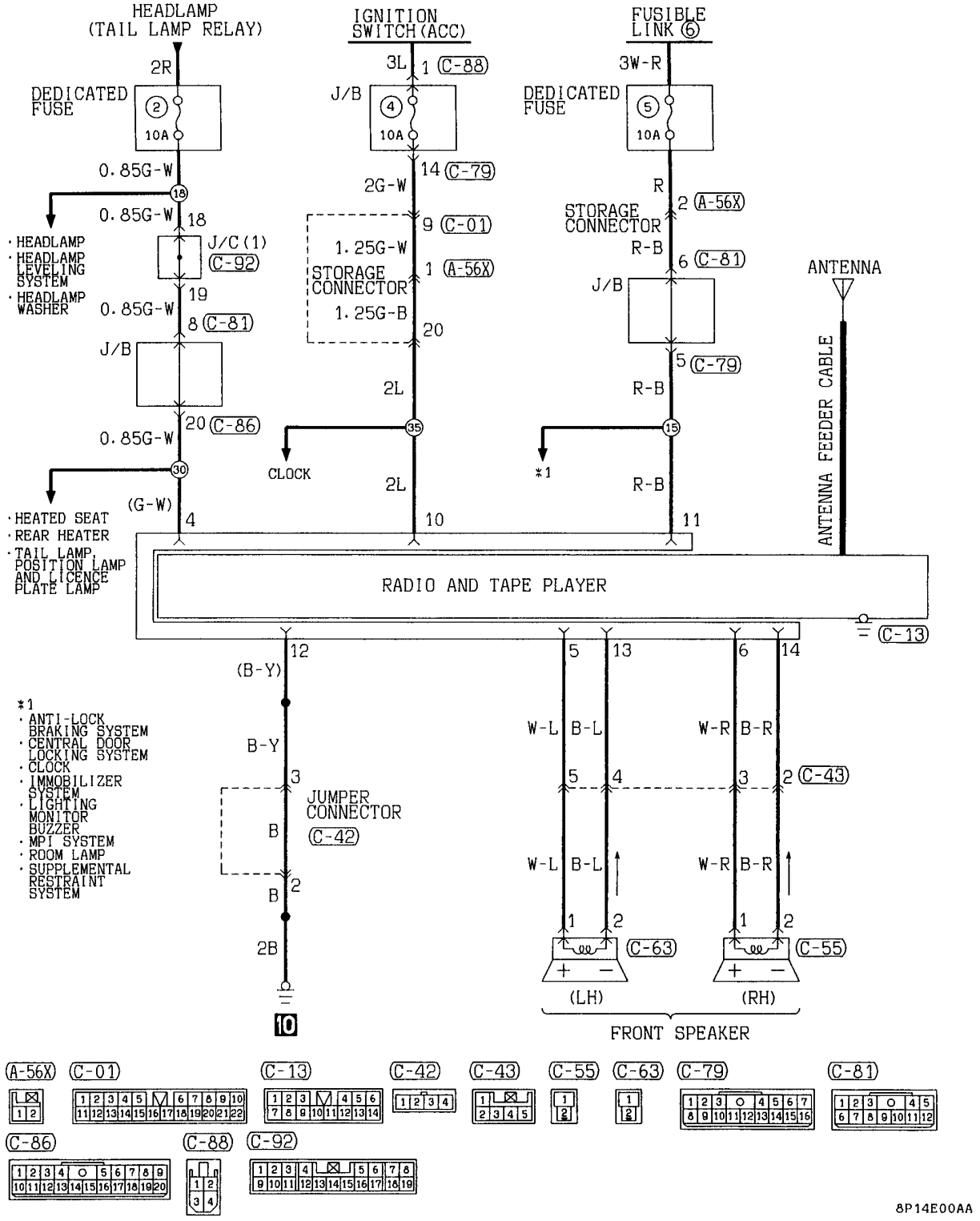


HP14E00AA

RADIO AND TAPE PLAYER

90100721016

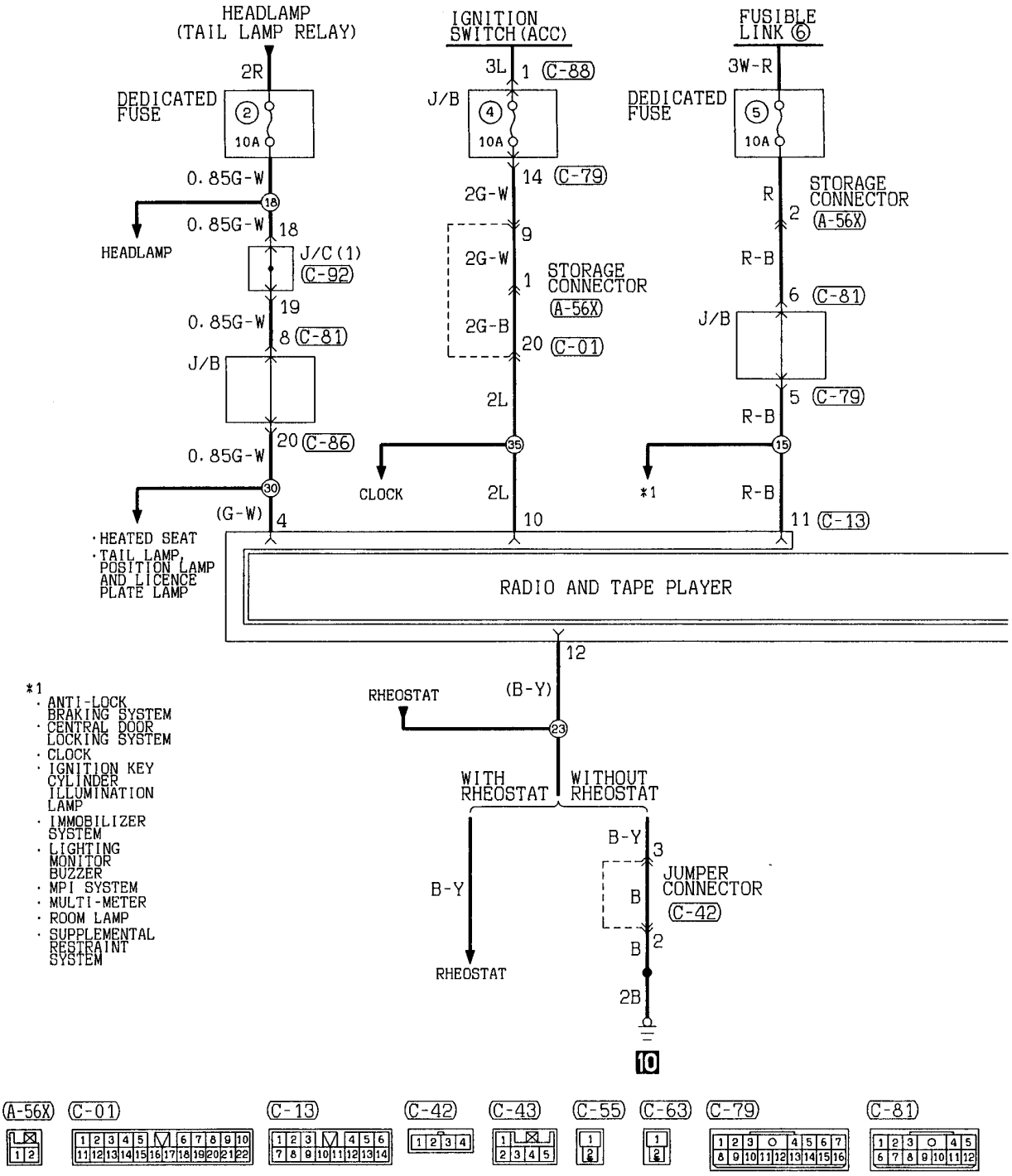
L.H. drive vehicles with single cab and club cab <1998 Models>



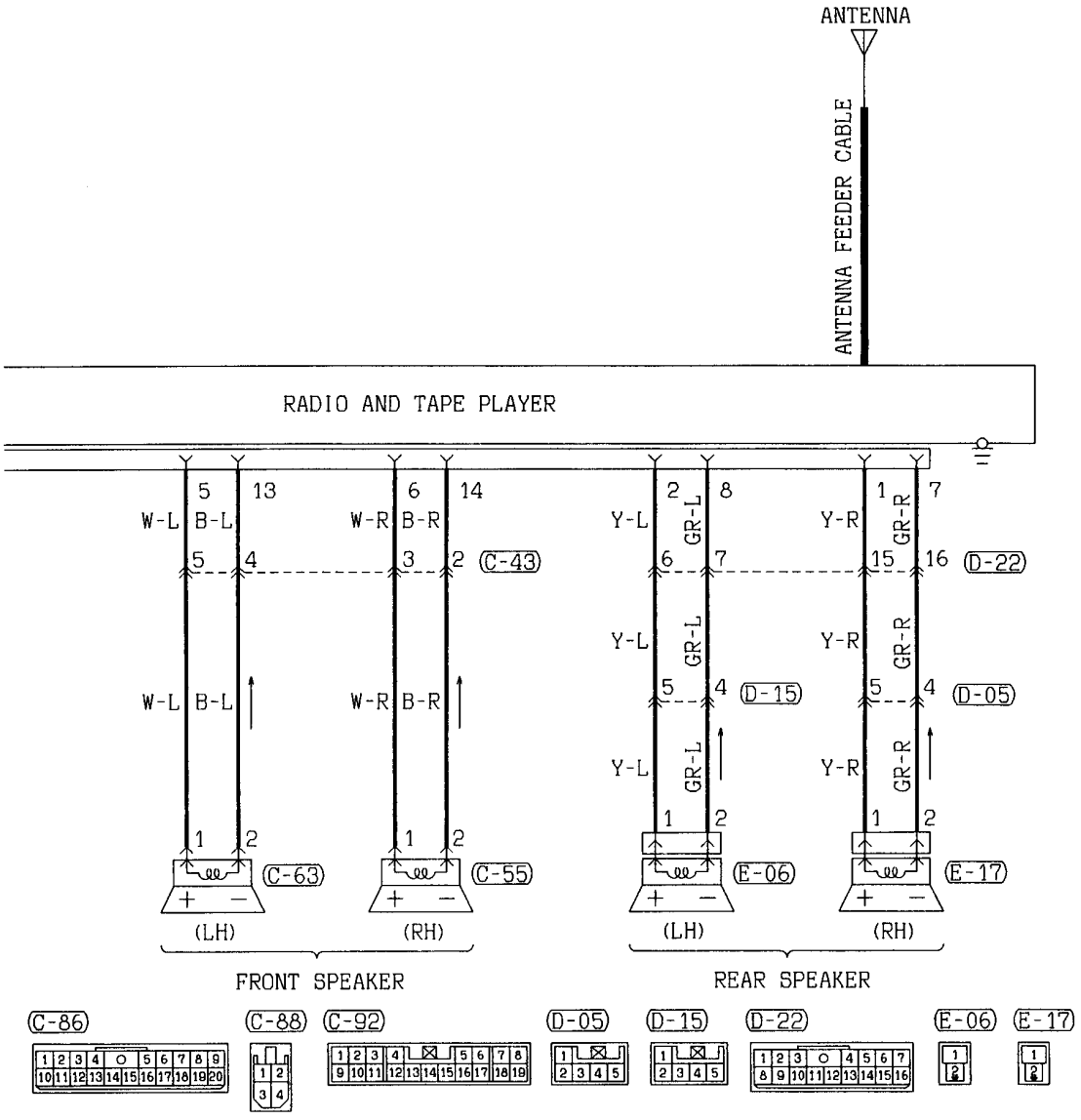
RADIO AND TAPE PLAYER

90100720343

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



HP14E01AA

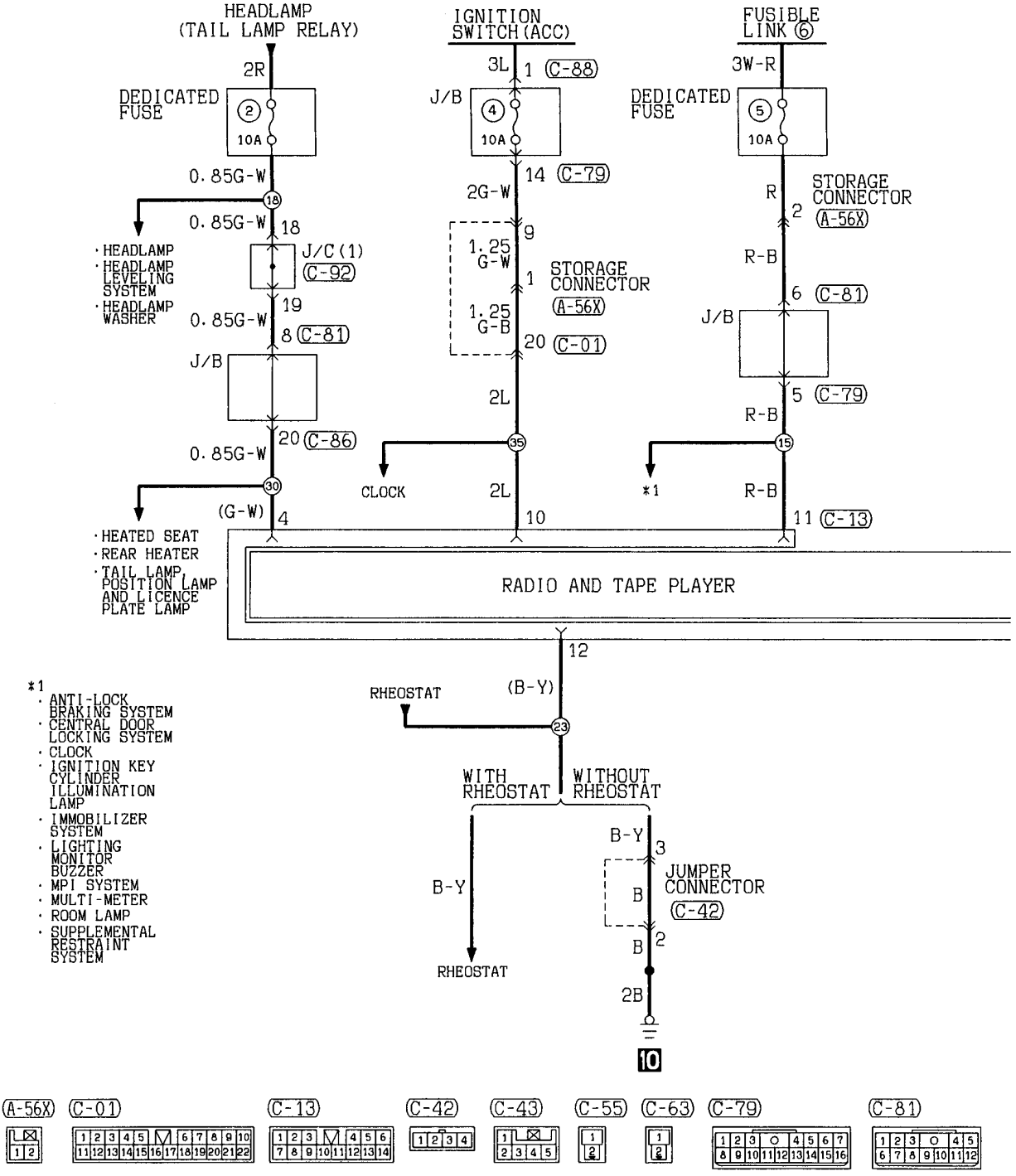

ANTENNA
ANTENNA FEEDER CABLE
RADIO AND TAPE PLAYER
W-L B-L
W-R B-R
Y-L GR-L
Y-R GR-R
C-43
D-22
D-15
D-05
C-63
C-55
E-06
E-17
(LH)
(RH)
FRONT SPEAKER
REAR SPEAKER
C-86
C-88
C-92
D-05
D-15
D-22
E-06
E-17

HP14E01AB

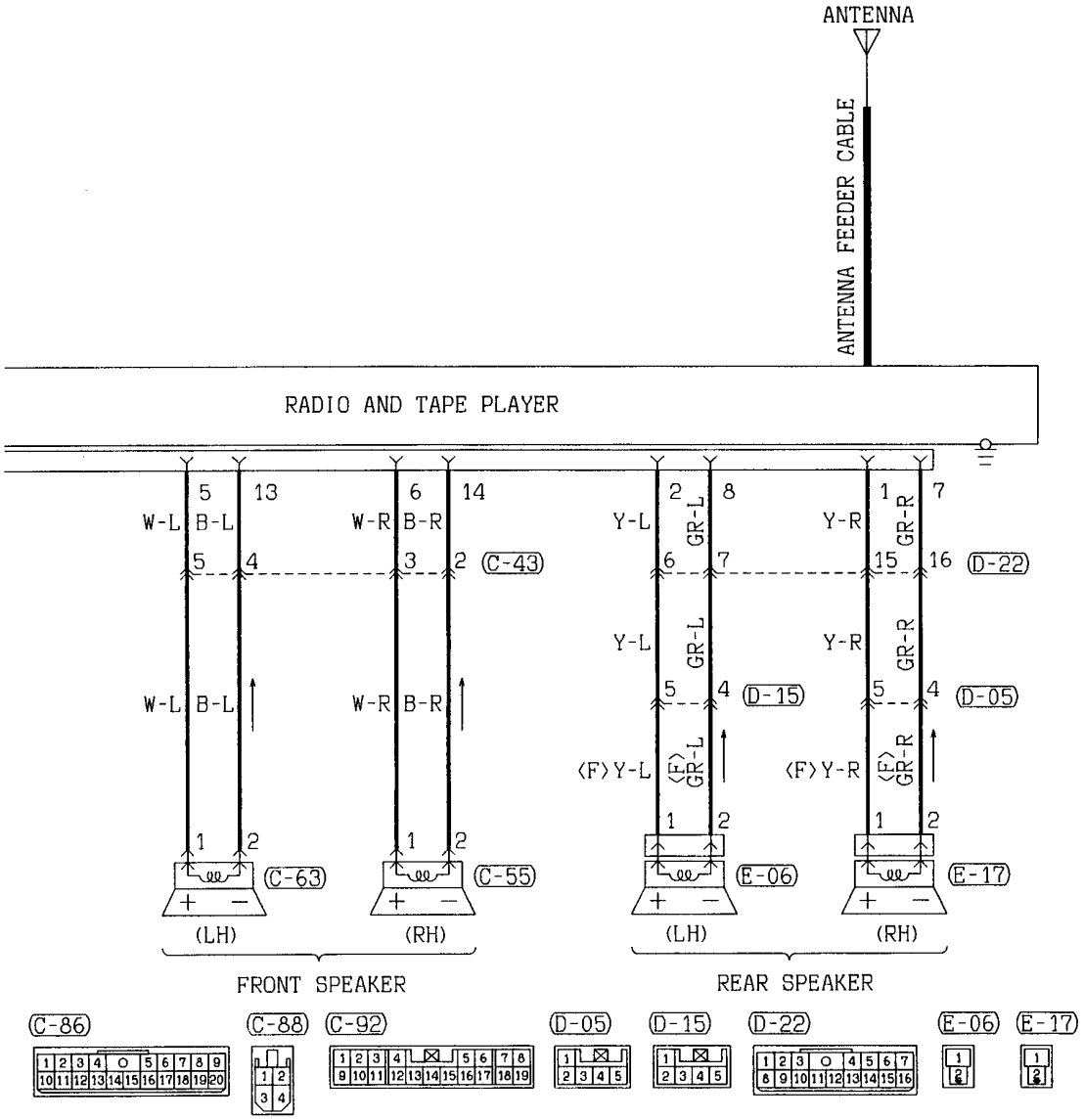
RADIO AND TAPE PLAYER

90100721023

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



8P14E01AA

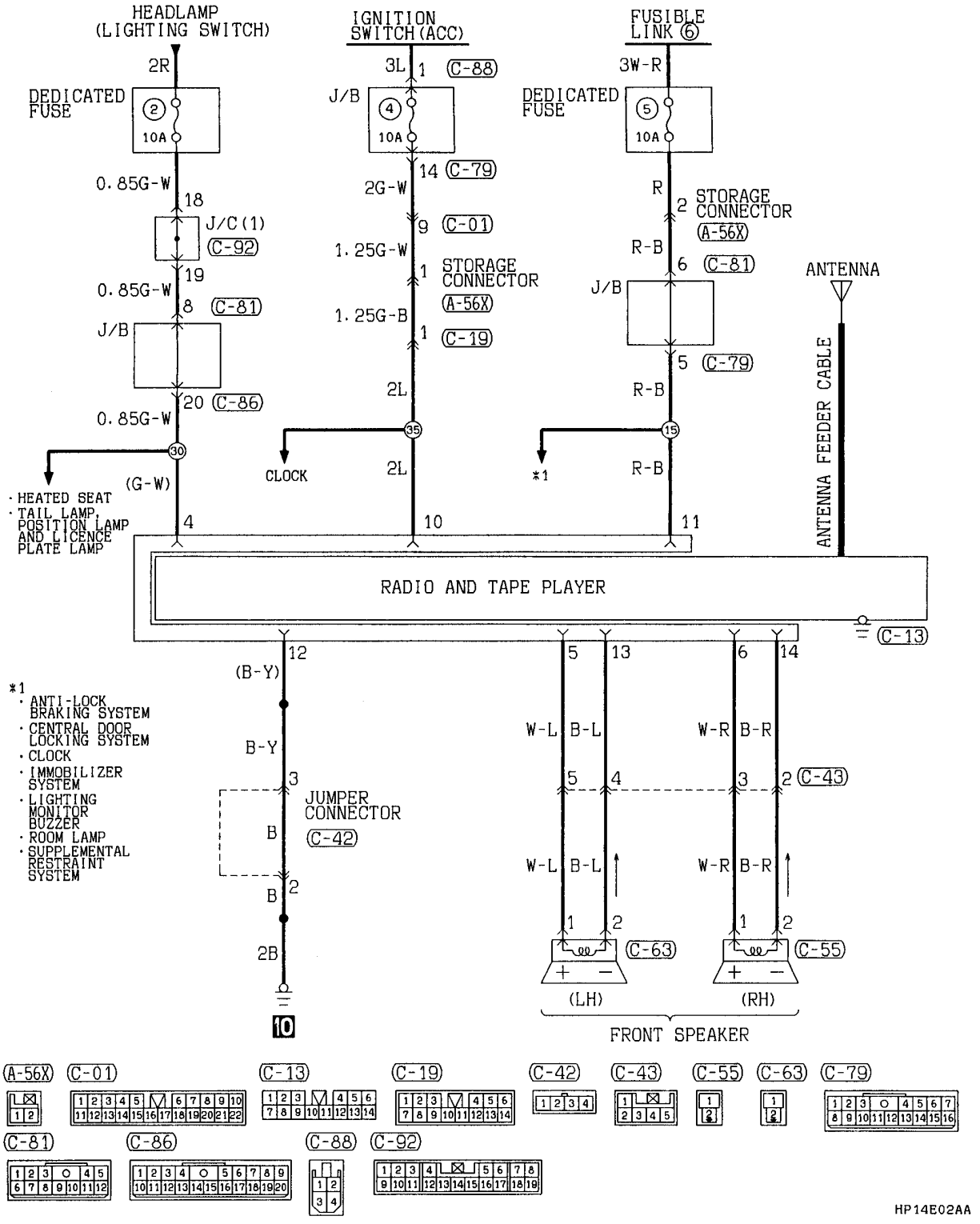

ANTENNA
ANTENNA FEEDER CABLE
RADIO AND TAPE PLAYER
W-L
B-L
W-R
B-R
Y-L
GR-L
Y-R
GR-R
(F)Y-L
(F)GR-L
(F)Y-R
(F)GR-R
C-43
D-22
D-15
D-05
C-63
C-55
E-06
E-17
(LH)
(RH)
FRONT SPEAKER
REAR SPEAKER
C-86
C-88
C-92
D-05
D-15
D-22
E-06
E-17

8P14E01AB

RADIO AND TAPE PLAYER

90100720350

R.H. drive vehicles

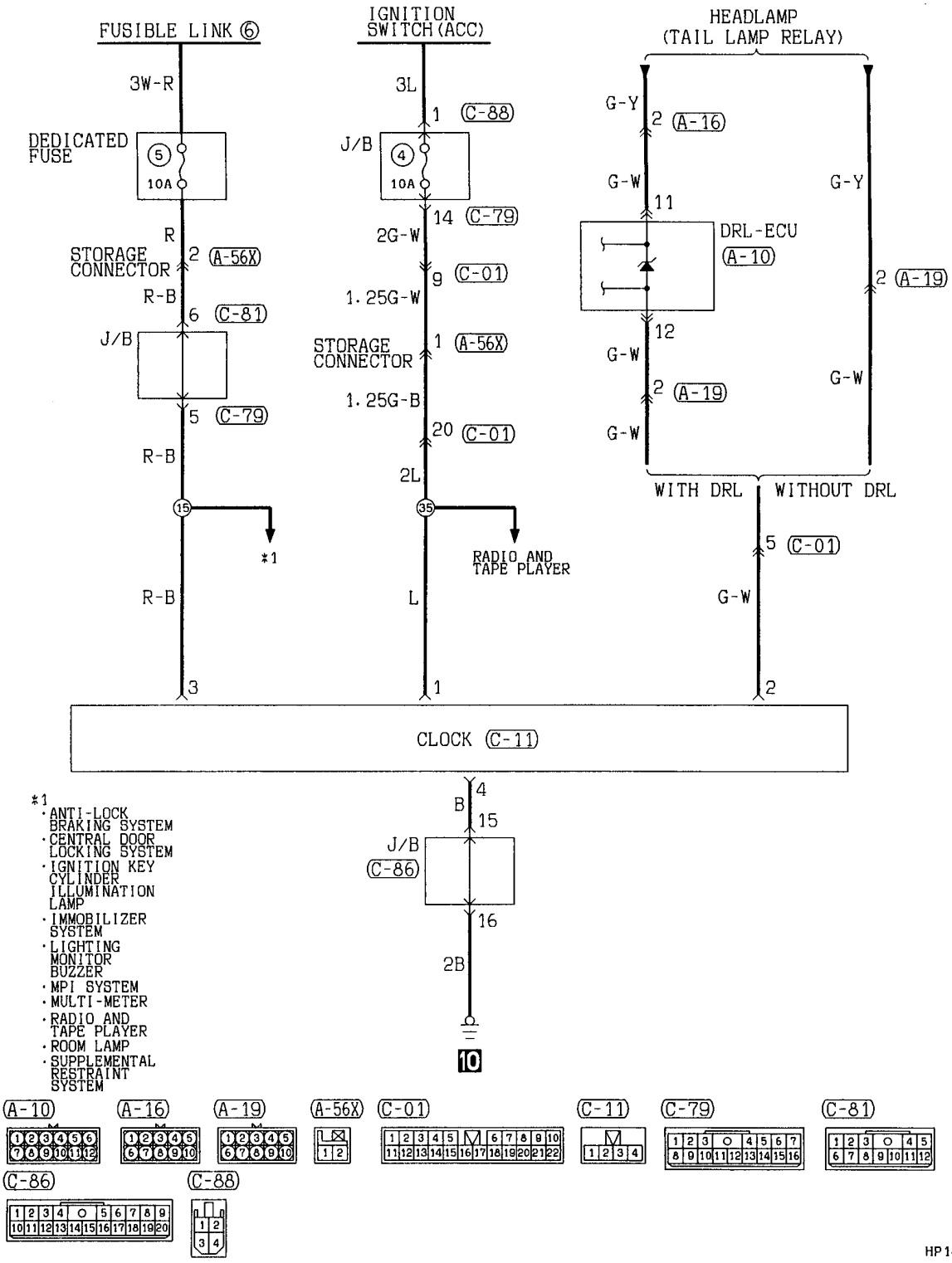


HP14E02AA

CLOCK

90100770133

L.H. drive vehicles

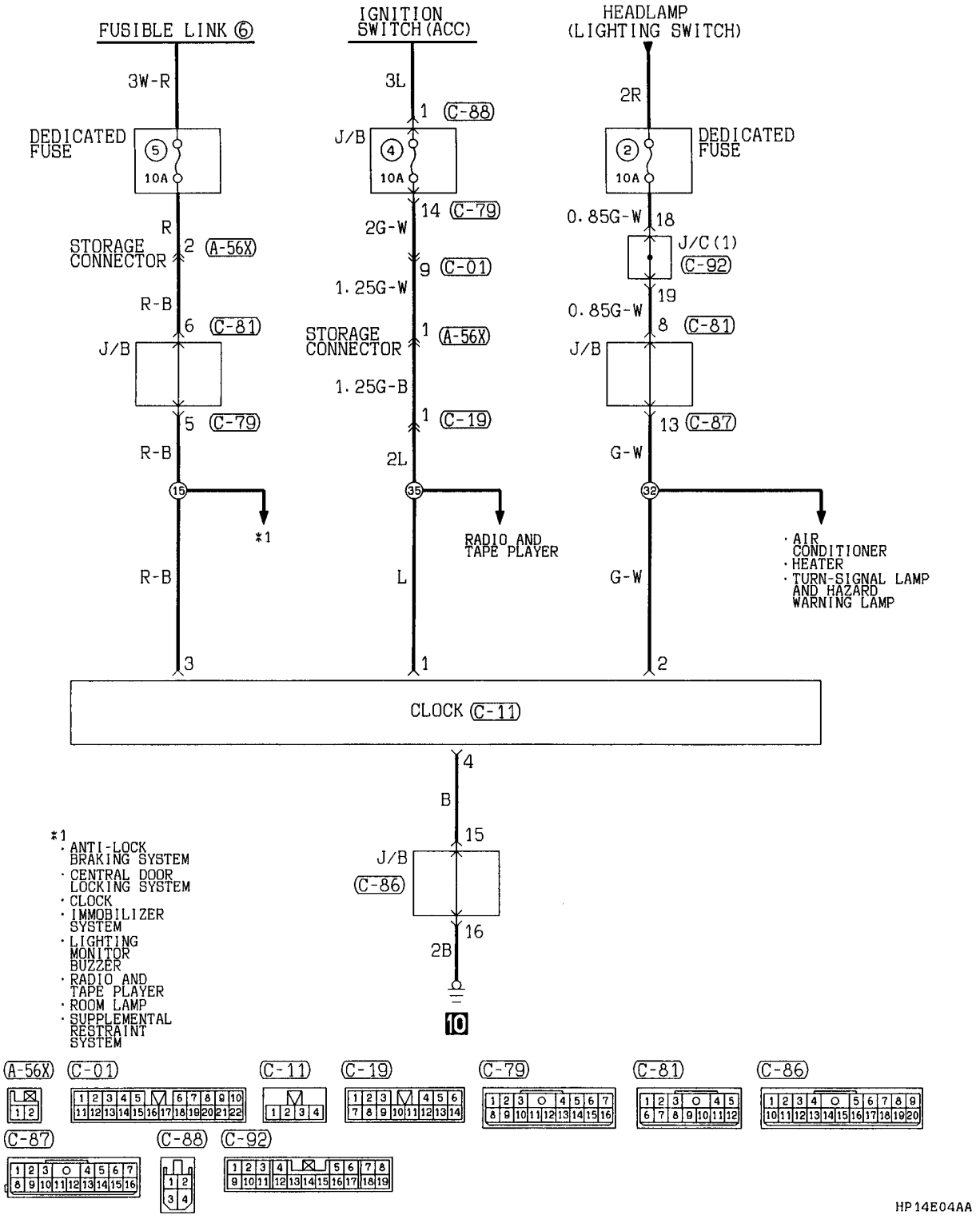


HP14E03AA

CLOCK

90100770140

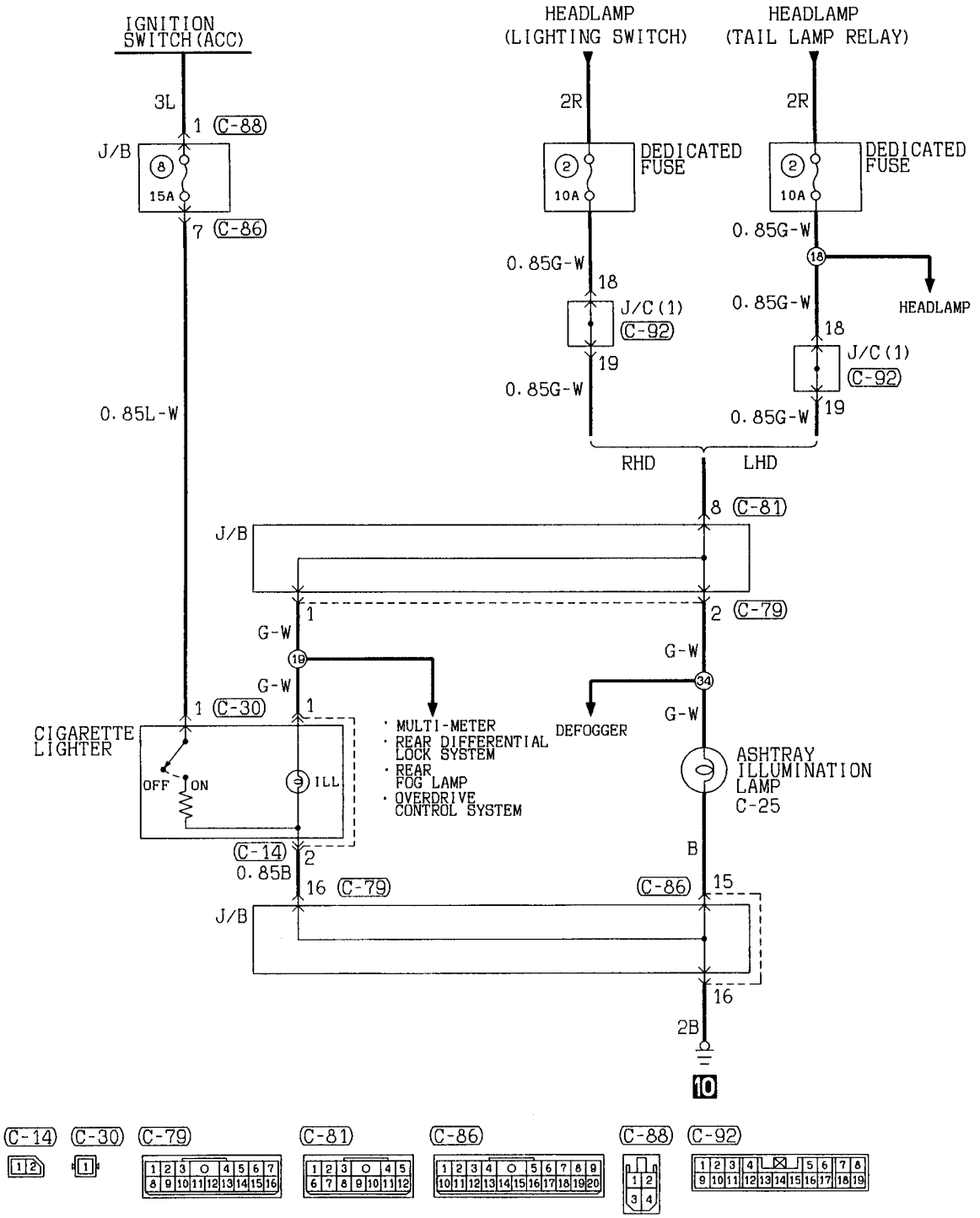
R.H. drive vehicles



HP14E04AA

CIGARETTE LIGHTER

90100780150

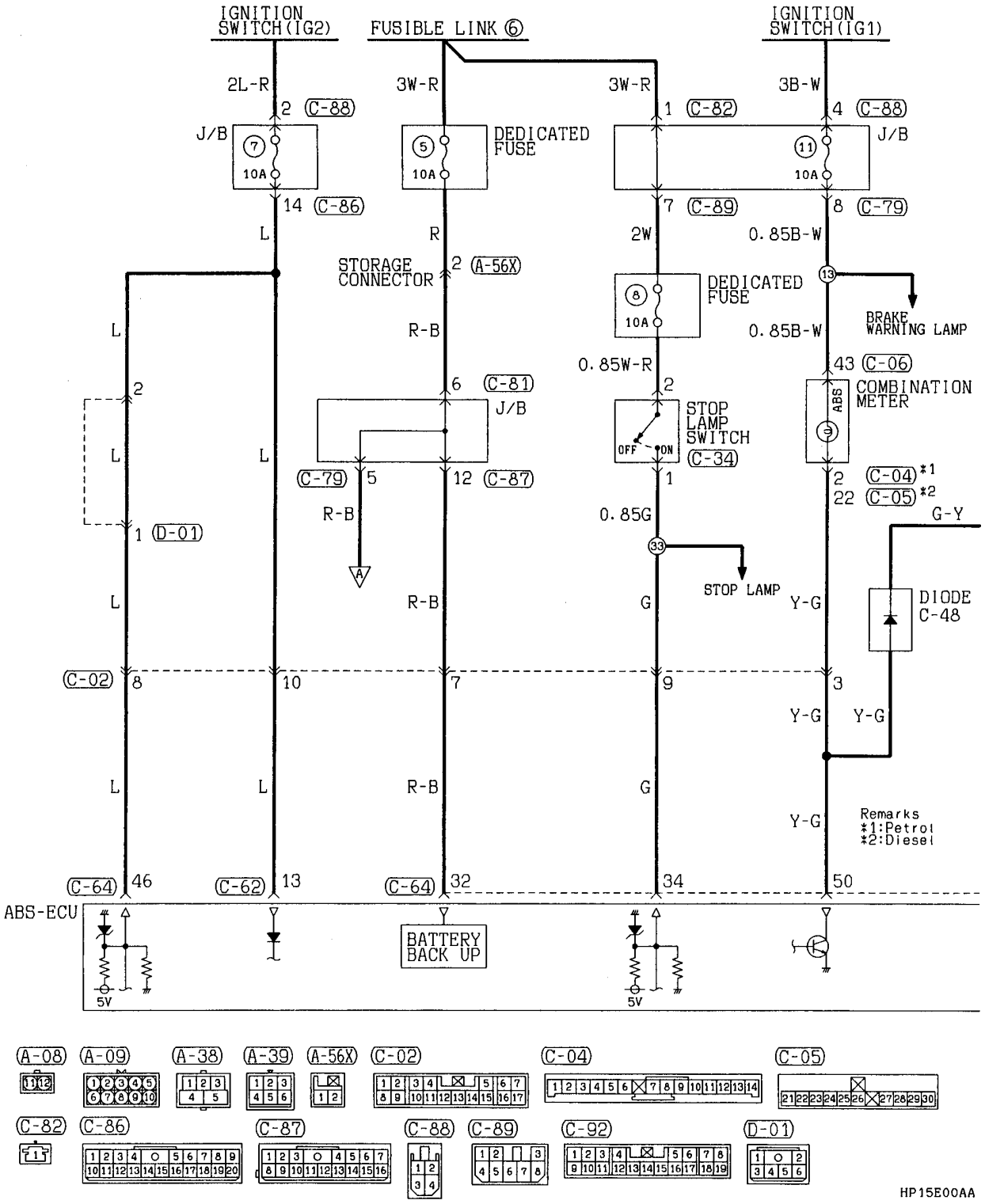


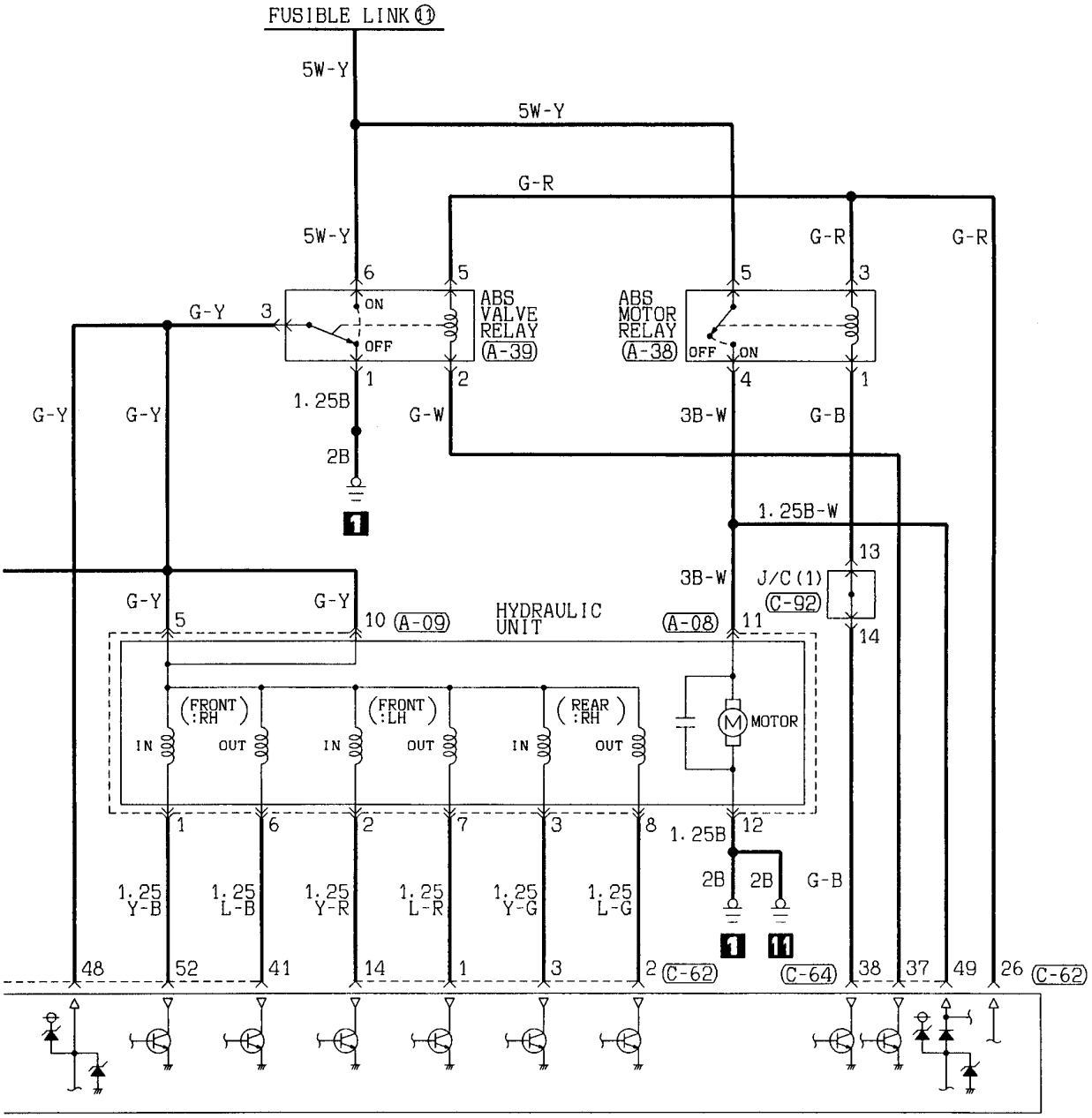
HP14E05AA

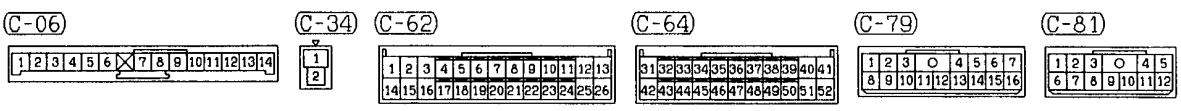
ANTI-LOCK BRAKING SYSTEM (ABS)

90100840322

2WD

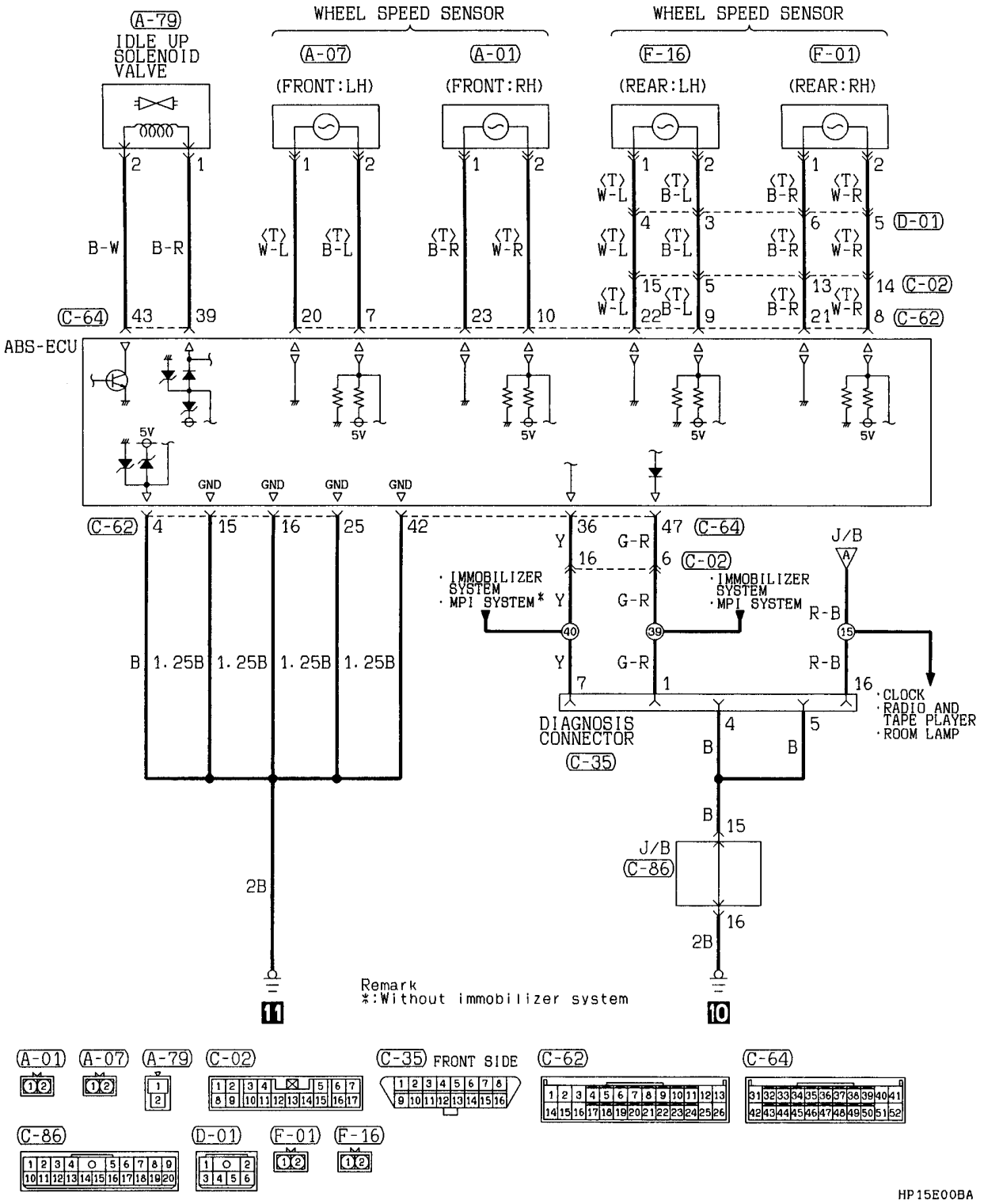



FUSIBLE LINK ⑪
5W-Y
5W-Y
G-R
5W-Y
G-R
G-R
6
5
5
3
G-Y
3
ON
OFF
ABS VALVE RELAY (A-39)
ABS MOTOR RELAY (A-38)
OFF
ON
1
2
4
1
1.25B
G-W
3B-W
G-B
G-Y
G-Y
2B
1
1.25B-W
13
3B-W
J/C (1) (C-92)
14
G-Y
G-Y
5
10 (A-09)
HYDRAULIC UNIT
(A-08)
11
(FRONT :RH)
(FRONT :LH)
(REAR :RH)
IN
OUT
IN
OUT
IN
OUT
MOTOR
1
6
2
7
3
8
1.25B
12
1.25 Y-B
1.25 L-B
1.25 Y-R
1.25 L-R
1.25 Y-G
1.25 L-G
2B
2B
G-B
1
11
48
52
41
14
1
3
2 (C-62)
(C-64)
38
37
49
26 (C-62)


(C-06)
(C-34)
(C-62)
(C-64)
(C-79)
(C-81)

HP15E00AB

ANTI-LOCK BRAKING SYSTEM <2WD> (CONTINUED)

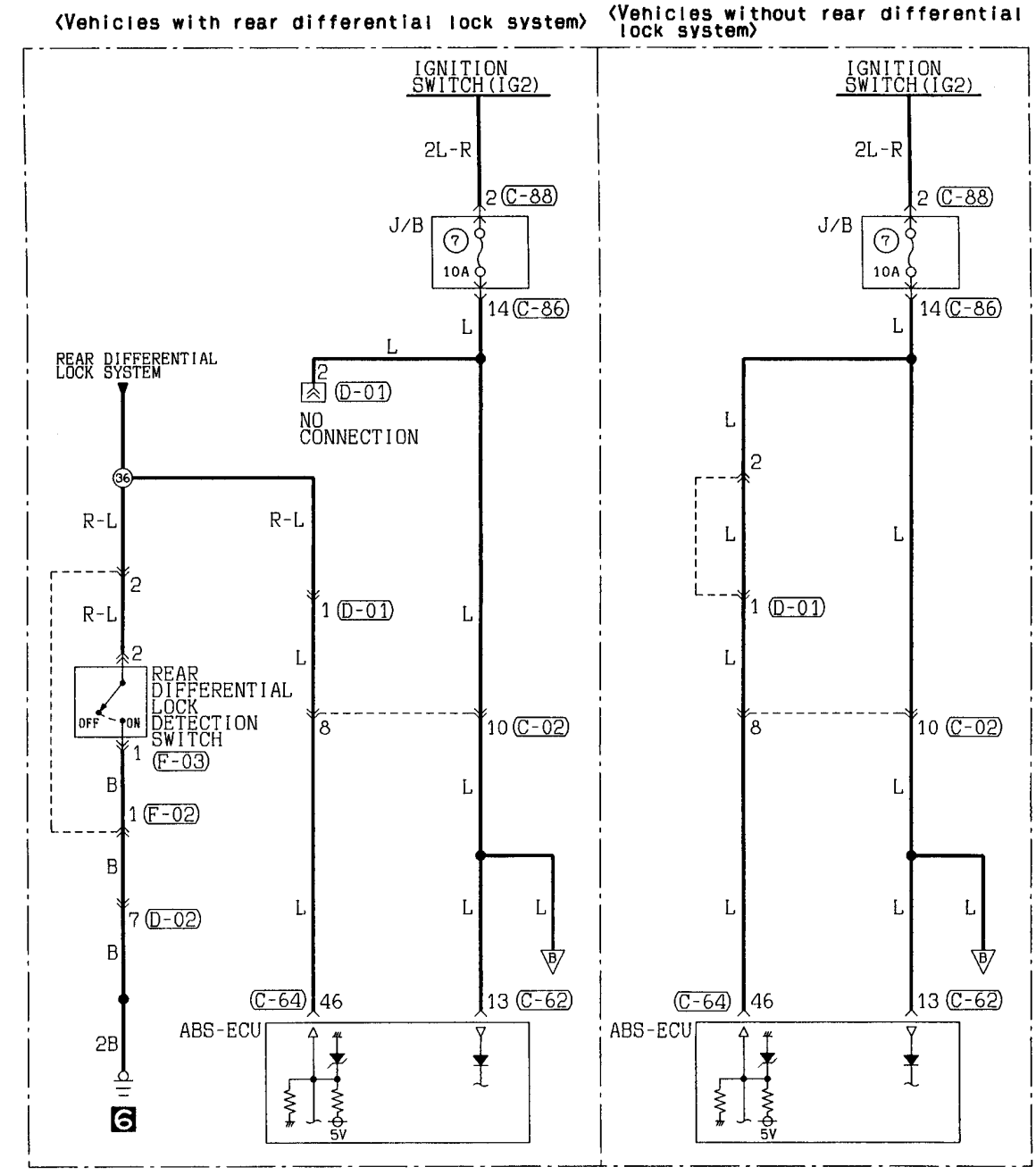


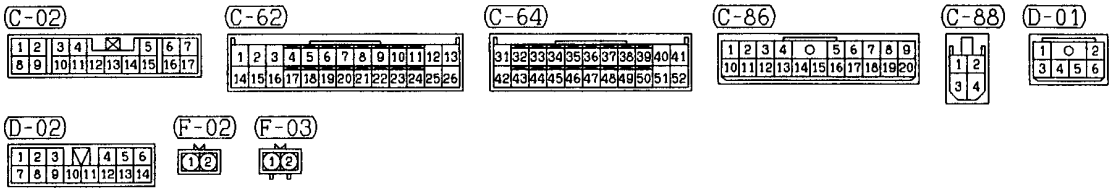
HP15E00BA

ANTI-LOCK BRAKING SYSTEM (ABS)

90100840339

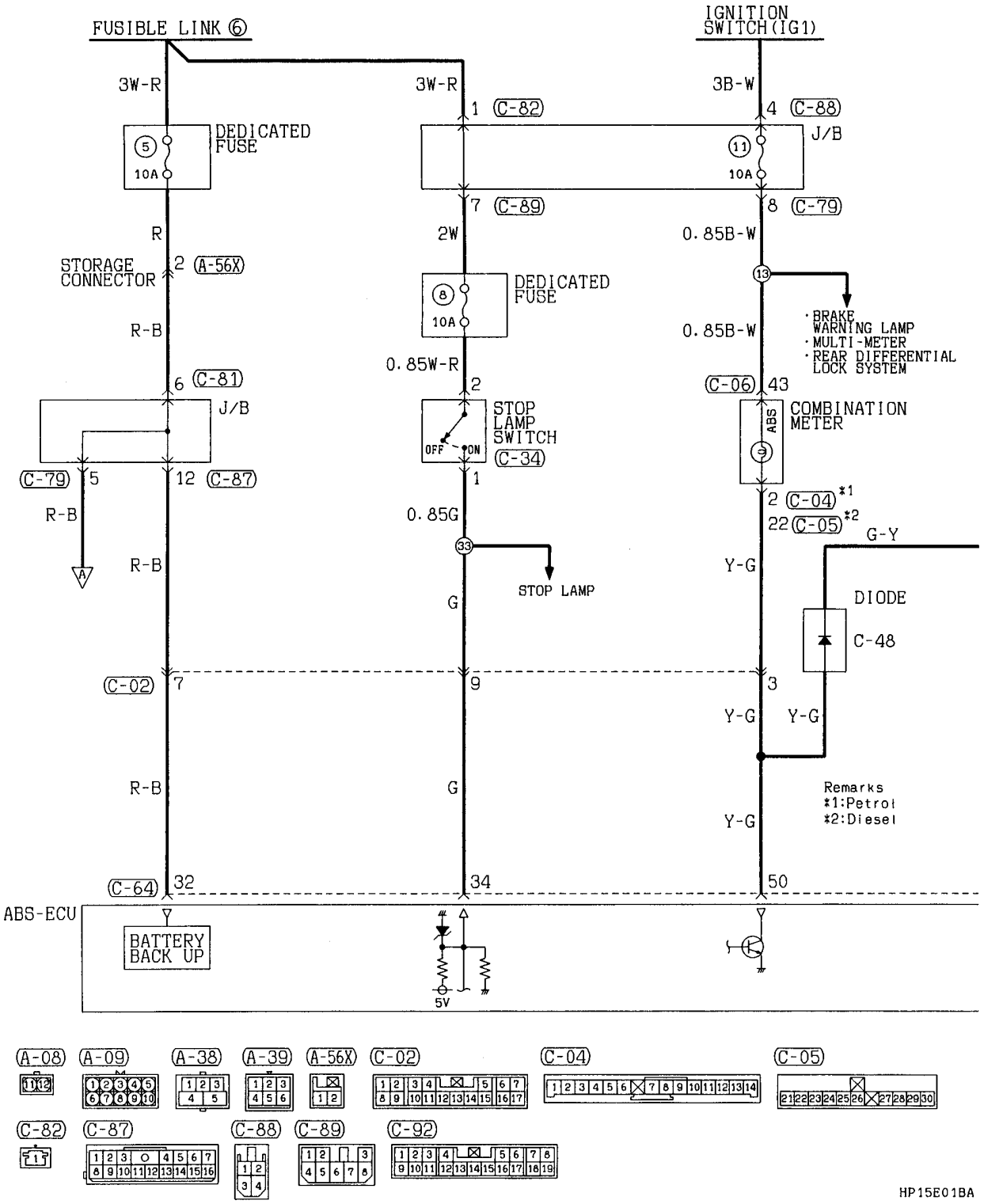
4WD

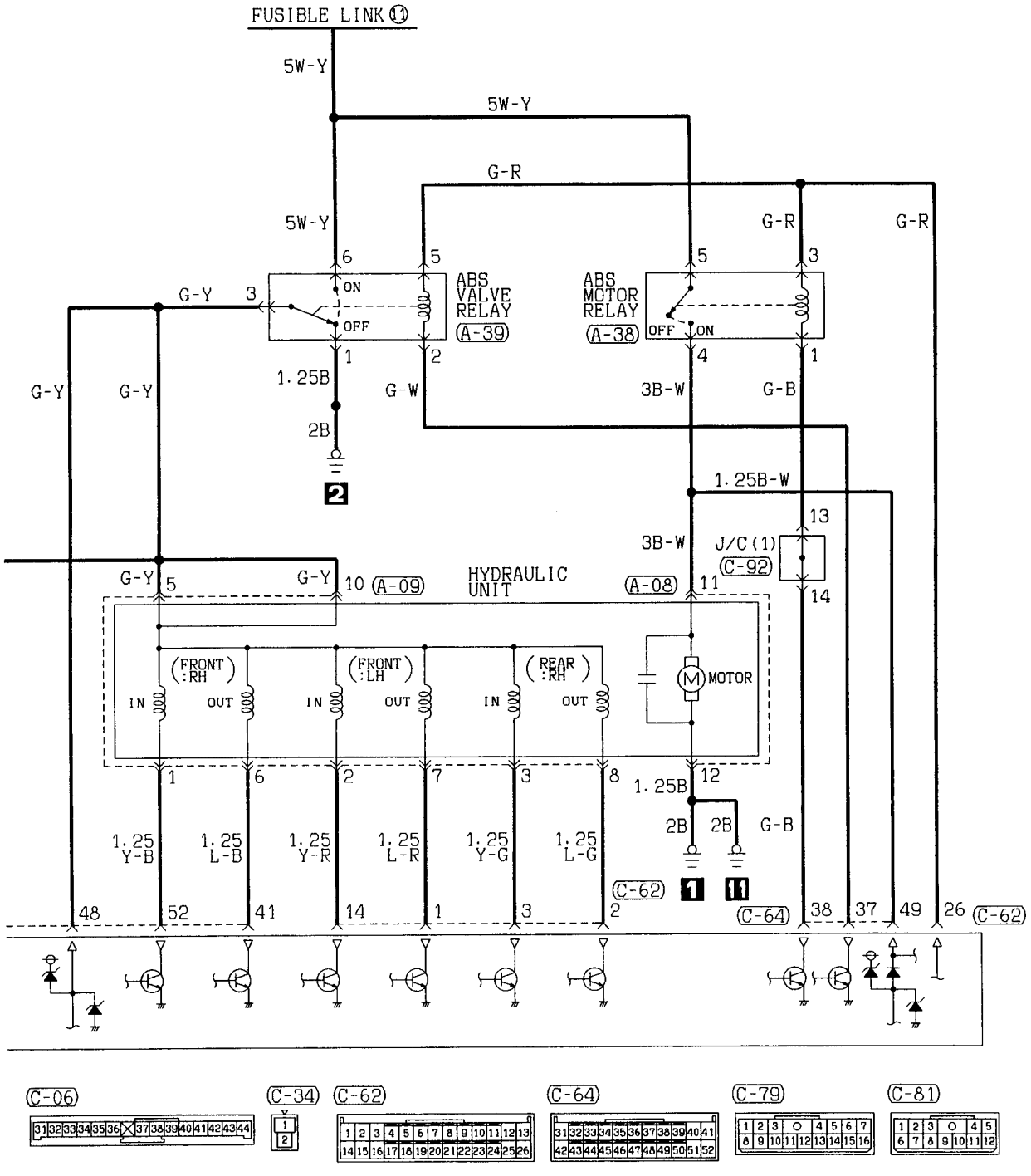




HP15E01AA

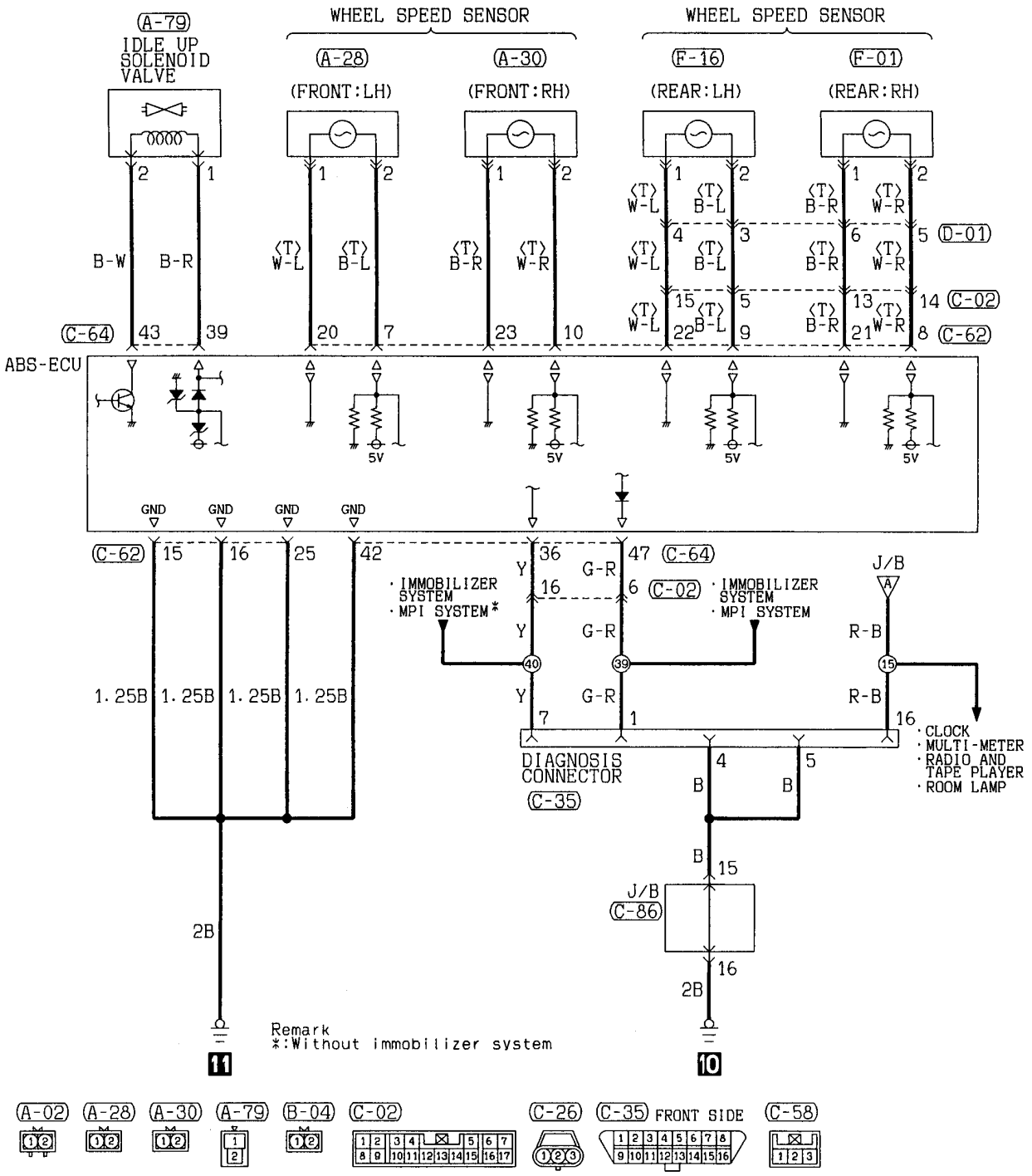
ANTI-LOCK BRAKING SYSTEM <4WD> (CONTINUED)



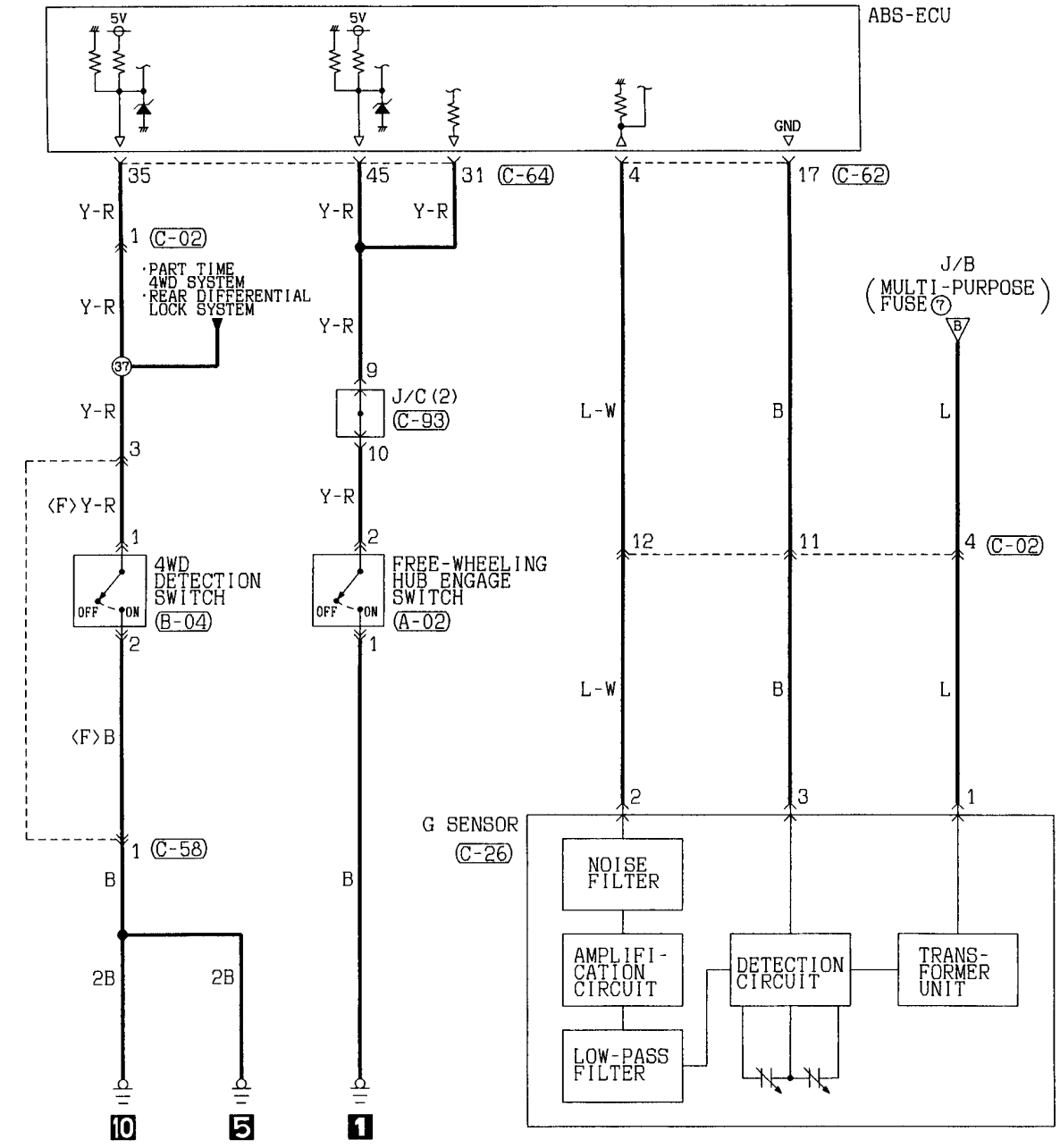

FUSIBLE LINK (11)
5W-Y
5W-Y
G-R
5W-Y
G-R
G-R
ABS VALVE RELAY
(A-39)
ABS MOTOR RELAY
(A-38)
ON
OFF
OFF
ON
G-Y
G-Y
G-Y
1.25B
G-W
3B-W
G-B
2B
1.25B-W
3B-W
J/C (1)
(C-92)
G-Y
G-Y
(A-09)
HYDRAULIC UNIT
(A-08)
(FRONT :RH)
(FRONT :LH)
(REAR :RH)
IN
OUT
MOTOR
1.25 Y-B
1.25 L-B
1.25 Y-R
1.25 L-R
1.25 Y-G
1.25 L-G
1.25B
2B
2B
G-B
(C-62)
(C-64)
48
52
41
14
1
3
2
38
37
49
26
(C-62)
(C-06)
(C-34)
(C-62)
(C-64)
(C-79)
(C-81)

HP15E01BB

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



HP15E01CA

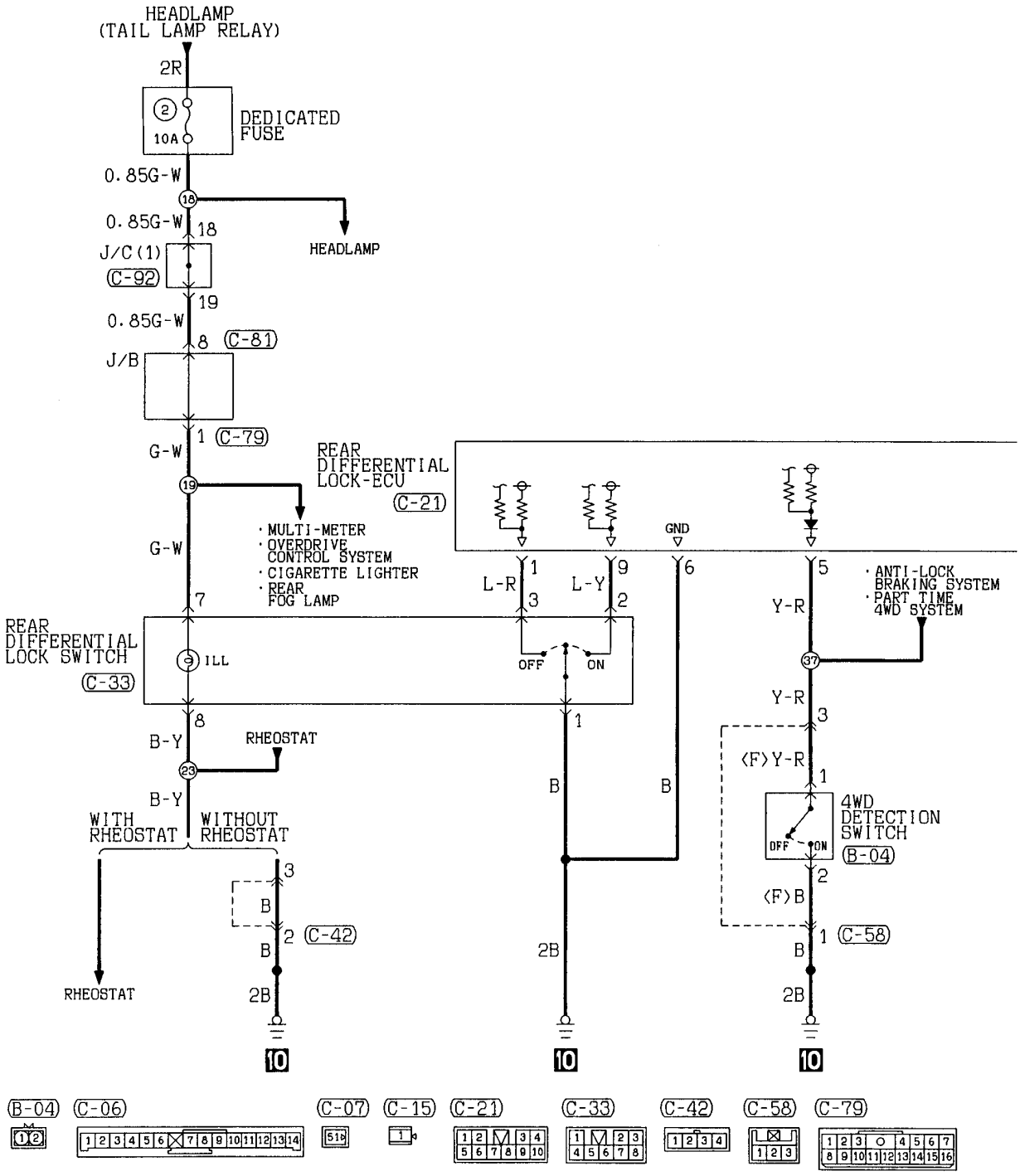

ABS-ECU
5V
5V
GND
35
45
31 C-64
4
17 C-62
Y-R
Y-R
Y-R
1 C-02
·PART TIME 4WD SYSTEM
·REAR DIFFERENTIAL LOCK SYSTEM
Y-R
Y-R
37
9
J/C (2) C-93
Y-R
10
3
Y-R
L-W
B
L
J/B (MULTI-PURPOSE FUSE 7)
B
(F)Y-R
1
2
4WD DETECTION SWITCH B-04
FREE-WHEELING HUB ENGAGE SWITCH A-02
OFF
ON
OFF
ON
12
11
4 C-02
2
1
L-W
B
L
(F)B
2
3
1
G SENSOR C-26
1 C-58
B
B
NOISE FILTER
AMPLIFI-CATION CIRCUIT
DETECTION CIRCUIT
TRANS-FORMER UNIT
LOW-PASS FILTER
2B
2B
10
5
1
C-62
C-64
C-86
C-93
D-01
F-01
F-16

HP15E01CB

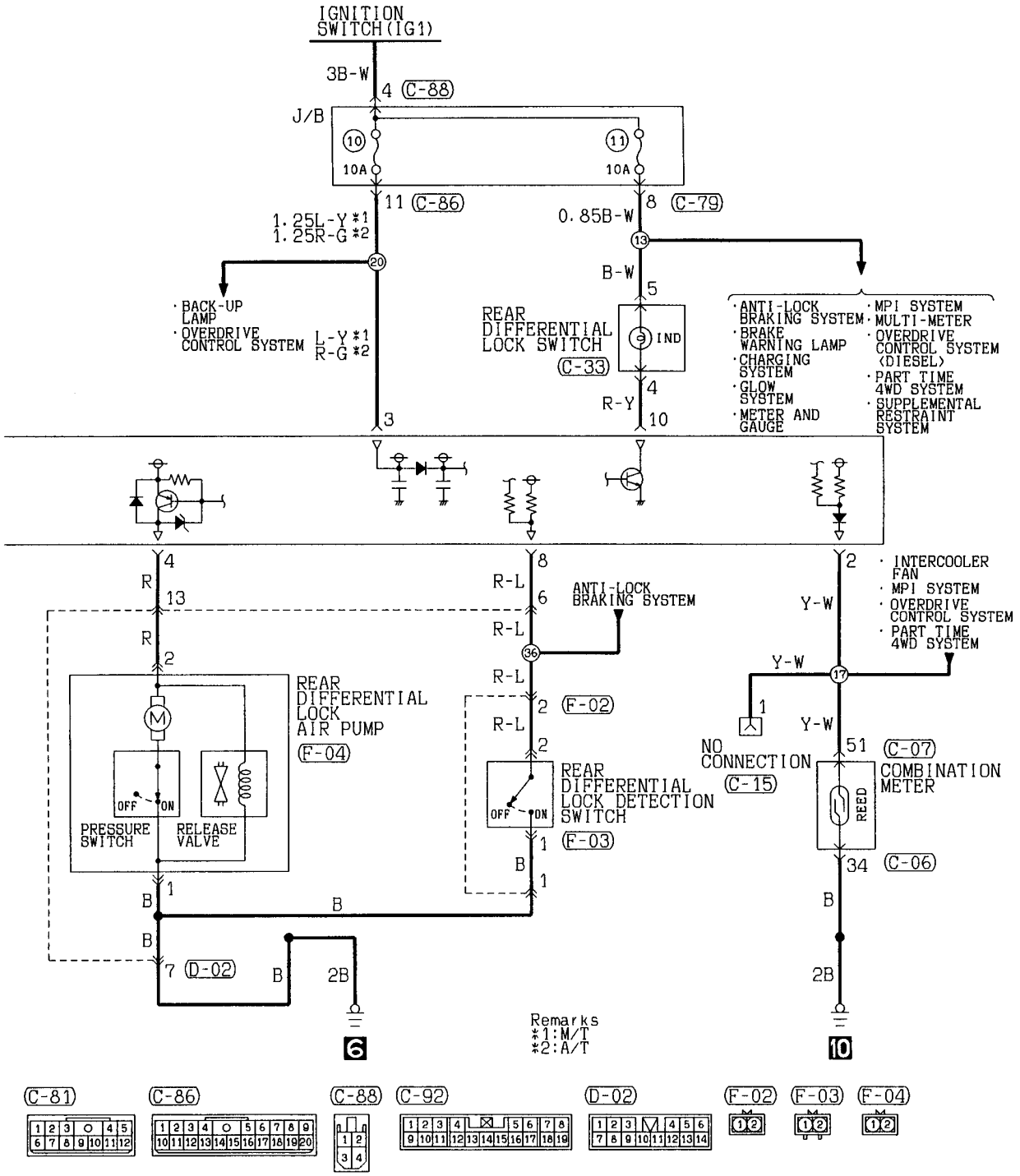
REAR DIFFERENTIAL LOCK SYSTEM

90101430047

L.H. drive vehicles



HP15E02AA

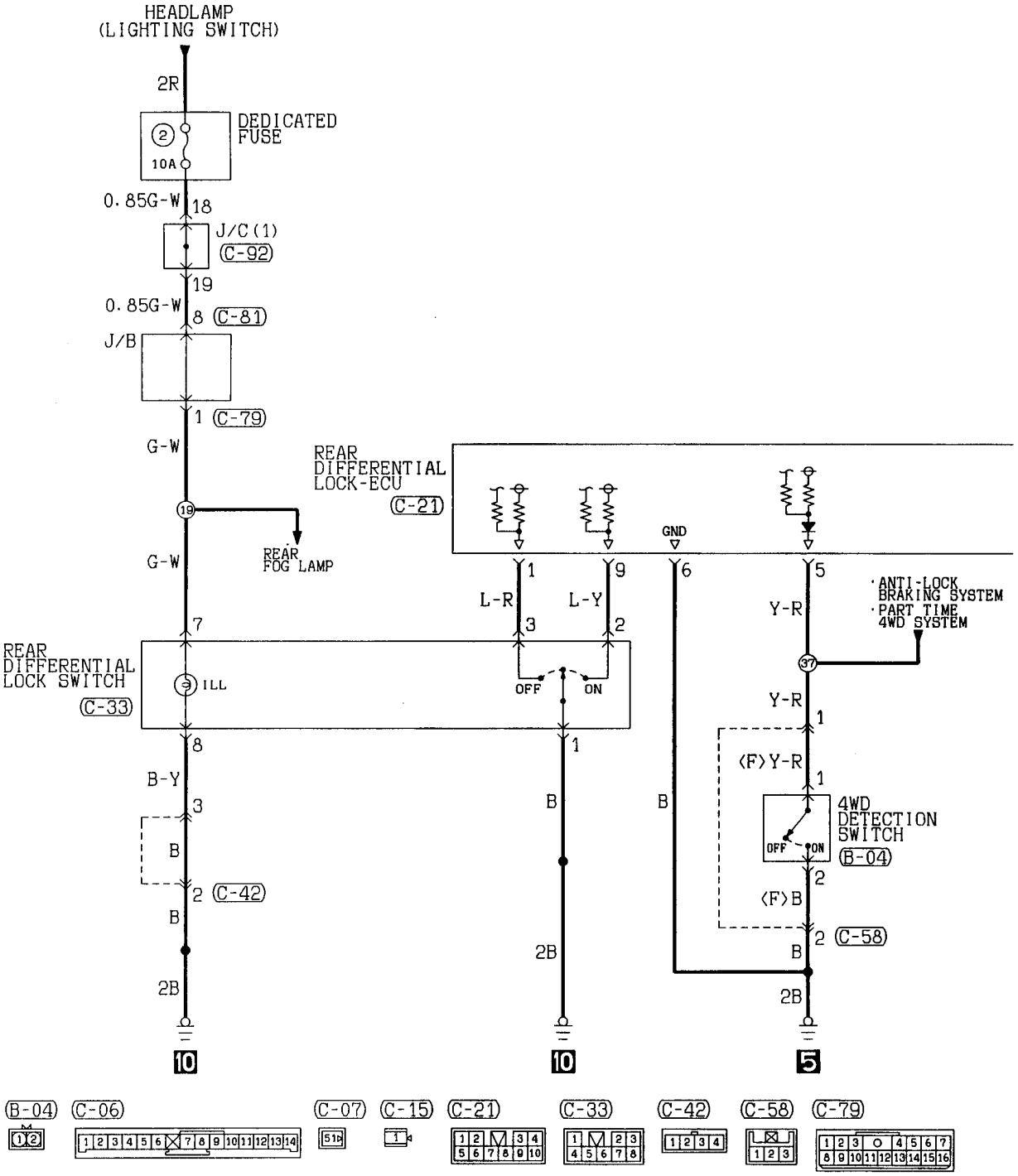

IGNITION SWITCH(IG1)
3B-W
4 C-88
J/B
10
10A
11
10A
11 C-86
1.25L-Y *1
1.25R-G *2
20
0.85B-W
8 C-79
13
B-W
5
· BACK-UP LAMP
· OVERDRIVE CONTROL SYSTEM
L-Y *1
R-G *2
REAR DIFFERENTIAL LOCK SWITCH
C-33
IND
4
R-Y
10
3
· ANTI-LOCK BRAKING SYSTEM
· BRAKE WARNING LAMP
· CHARGING SYSTEM
· GLOW SYSTEM
· METER AND GAUGE
· MPI SYSTEM
· MULTI-METER
· OVERDRIVE CONTROL SYSTEM (DIESEL)
· PART TIME 4WD SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
4
R
13
R
2
REAR DIFFERENTIAL LOCK AIR PUMP
F-04
OFF
ON
PRESSURE SWITCH
RELEASE VALVE
B
1
B
B
7 D-02
B
2B
6
8
R-L
6
ANTI-LOCK BRAKING SYSTEM
R-L
36
R-L
2 F-02
R-L
2
REAR DIFFERENTIAL LOCK DETECTION SWITCH
F-03
OFF
ON
1
B
1
B
2
· INTERCOOLER FAN
· MPI SYSTEM
· OVERDRIVE CONTROL SYSTEM
· PART TIME 4WD SYSTEM
Y-W
Y-W
17
1
NO CONNECTION
C-15
Y-W
51 C-07
COMBINATION METER
REED
34 C-06
B
2B
10
Remarks
*1:M/T
*2:A/T
C-81
C-86
C-88
C-92
D-02
F-02
F-03
F-04

HP15E02AB

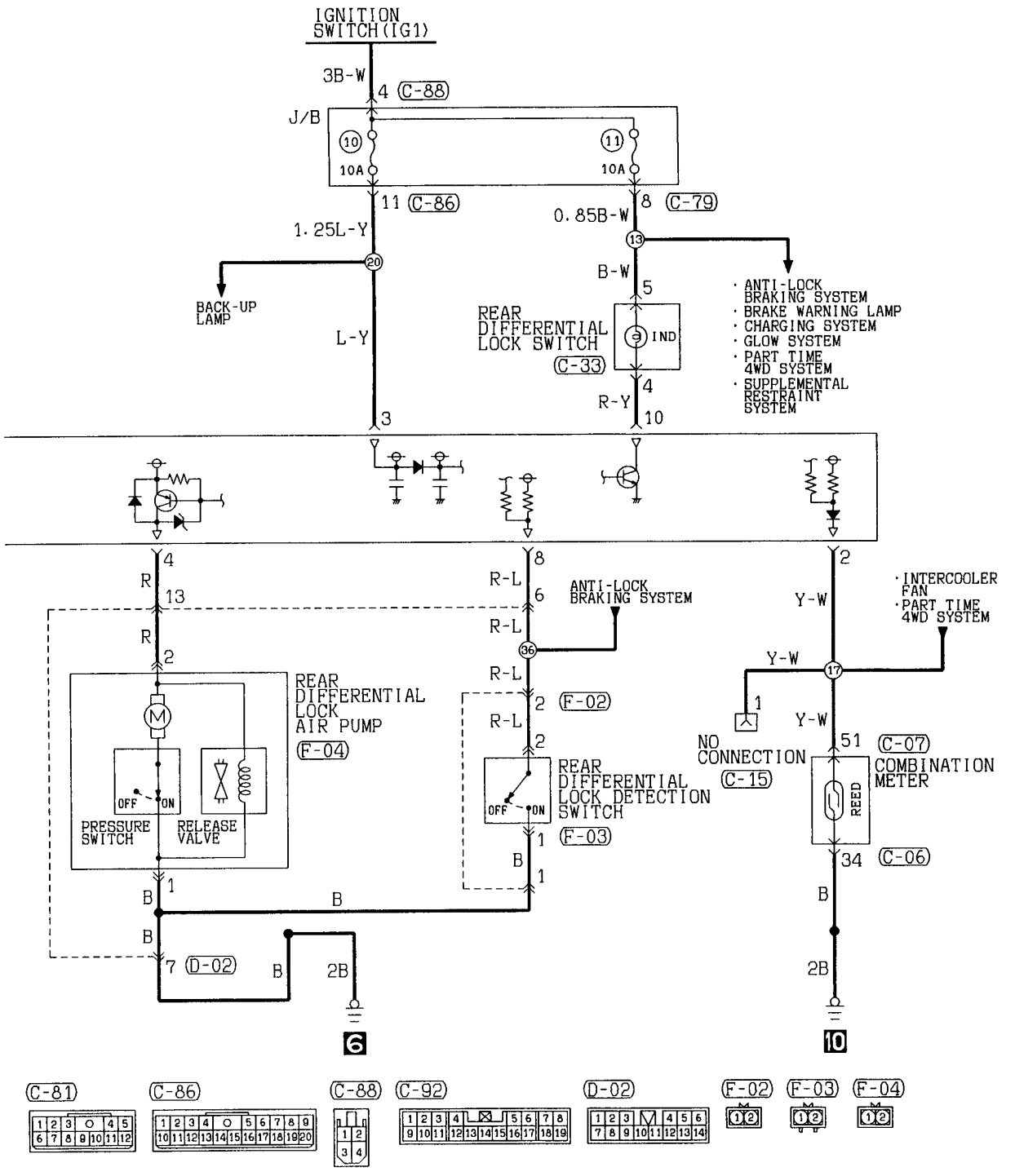
REAR DIFFERENTIAL LOCK SYSTEM

90101430054

R.H. drive vehicles



HP15E03AA

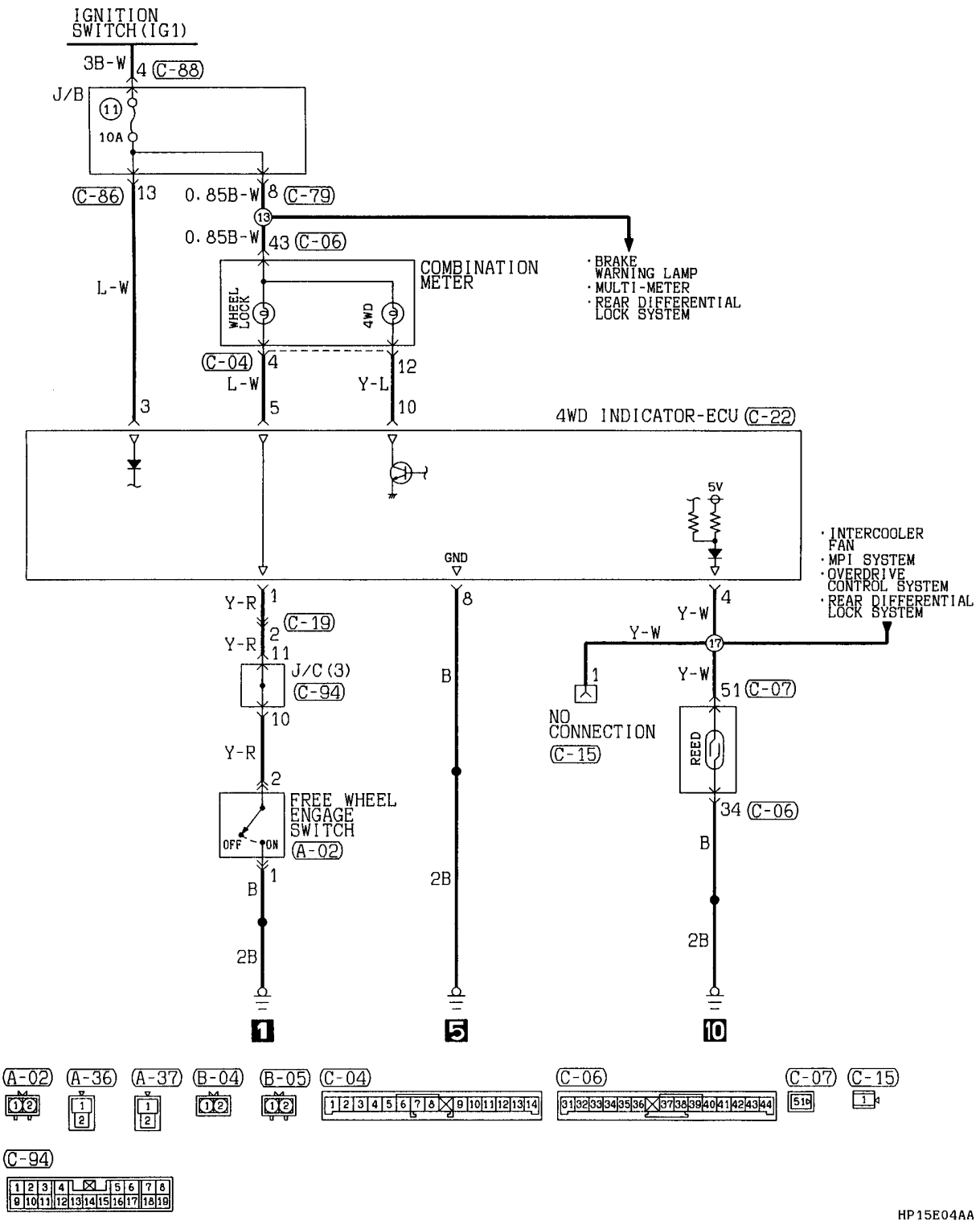

IGNITION SWITCH(IG1)
3B-W
4 C-88
J/B
10
10A
11
10A
11 C-86
1.25L-Y
8 C-79
0.85B-W
13
B-W
5
BACK-UP LAMP
20
L-Y
3
REAR DIFFERENTIAL LOCK SWITCH
C-33
IND
4
R-Y
10
· ANTI-LOCK BRAKING SYSTEM
· BRAKE WARNING LAMP
· CHARGING SYSTEM
· GLOW SYSTEM
· PART TIME 4WD SYSTEM
· SUPPLEMENTAL RESTRAINT SYSTEM
4
R
13
R
2
8
R-L
6
ANTI-LOCK BRAKING SYSTEM
R-L
36
R-L
2
F-02
R-L
2
2
Y-W
· INTERCOOLER FAN
· PART TIME 4WD SYSTEM
Y-W
17
1
Y-W
NO CONNECTION
C-15
51
C-07
COMBINATION METER
REED
REAR DIFFERENTIAL LOCK AIR PUMP
F-04
M
OFF
ON
PRESSURE SWITCH
RELEASE VALVE
REAR DIFFERENTIAL LOCK DETECTION SWITCH
F-03
OFF
ON
1
B
1
34 C-06
B
1
B
B
B
B
7 D-02
B
2B
2B
6
10
C-81
C-86
C-88
C-92
D-02
F-02
F-03
F-04

HP15E03AB

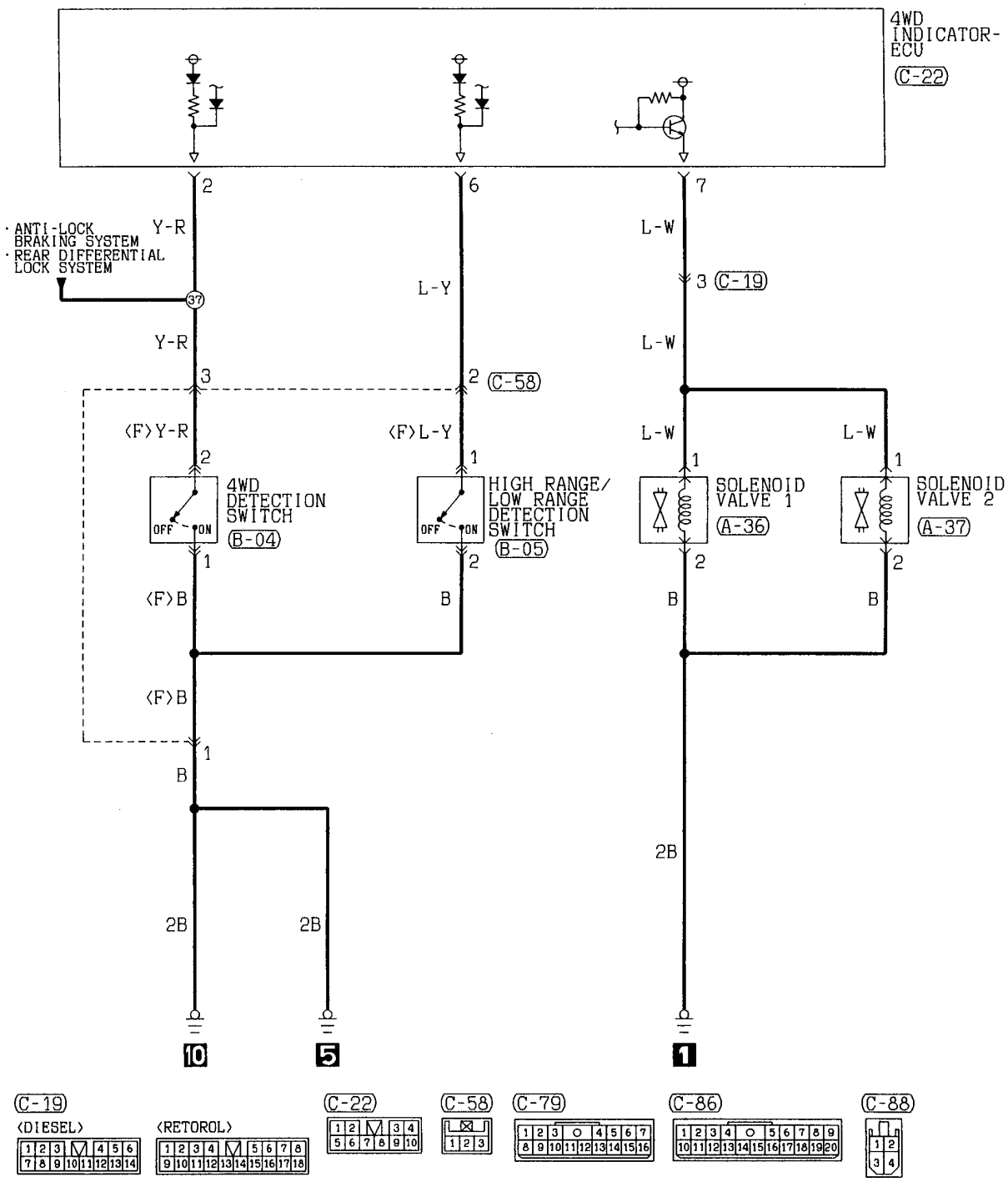
PART TIME 4WD SYSTEM

90100910016

1997 Models



HP15E04AA

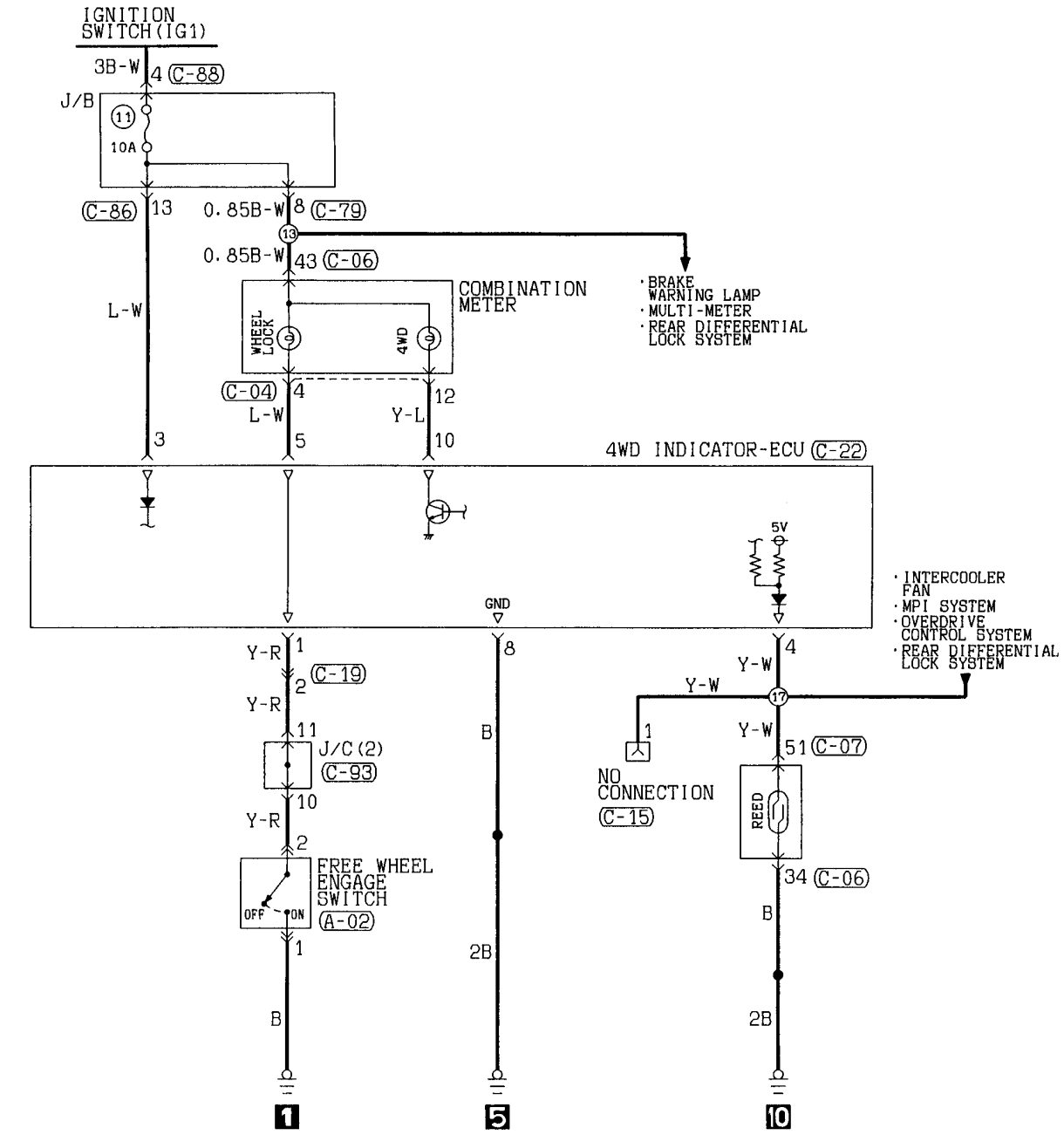

4WD INDICATOR-ECU
C-22
2
6
7
· ANTI-LOCK BRAKING SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
Y-R
L-Y
L-W
3 C-19
37
Y-R
L-W
3
2 C-58
⟨F⟩Y-R
⟨F⟩L-Y
L-W
L-W
2
1
1
1
4WD DETECTION SWITCH
B-04
HIGH RANGE/ LOW RANGE DETECTION SWITCH
B-05
SOLENOID VALVE 1
A-36
SOLENOID VALVE 2
A-37
OFF
ON
1
2
2
2
⟨F⟩B
B
B
B
⟨F⟩B
1
B
2B
2B
2B
10
5
1
C-19
⟨DIESEL⟩
⟨RETOROL⟩
C-22
C-58
C-79
C-86
C-88

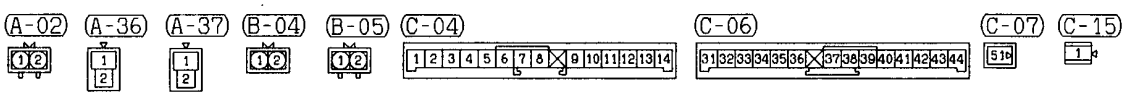
HP15E04AB

PART TIME 4WD SYSTEM

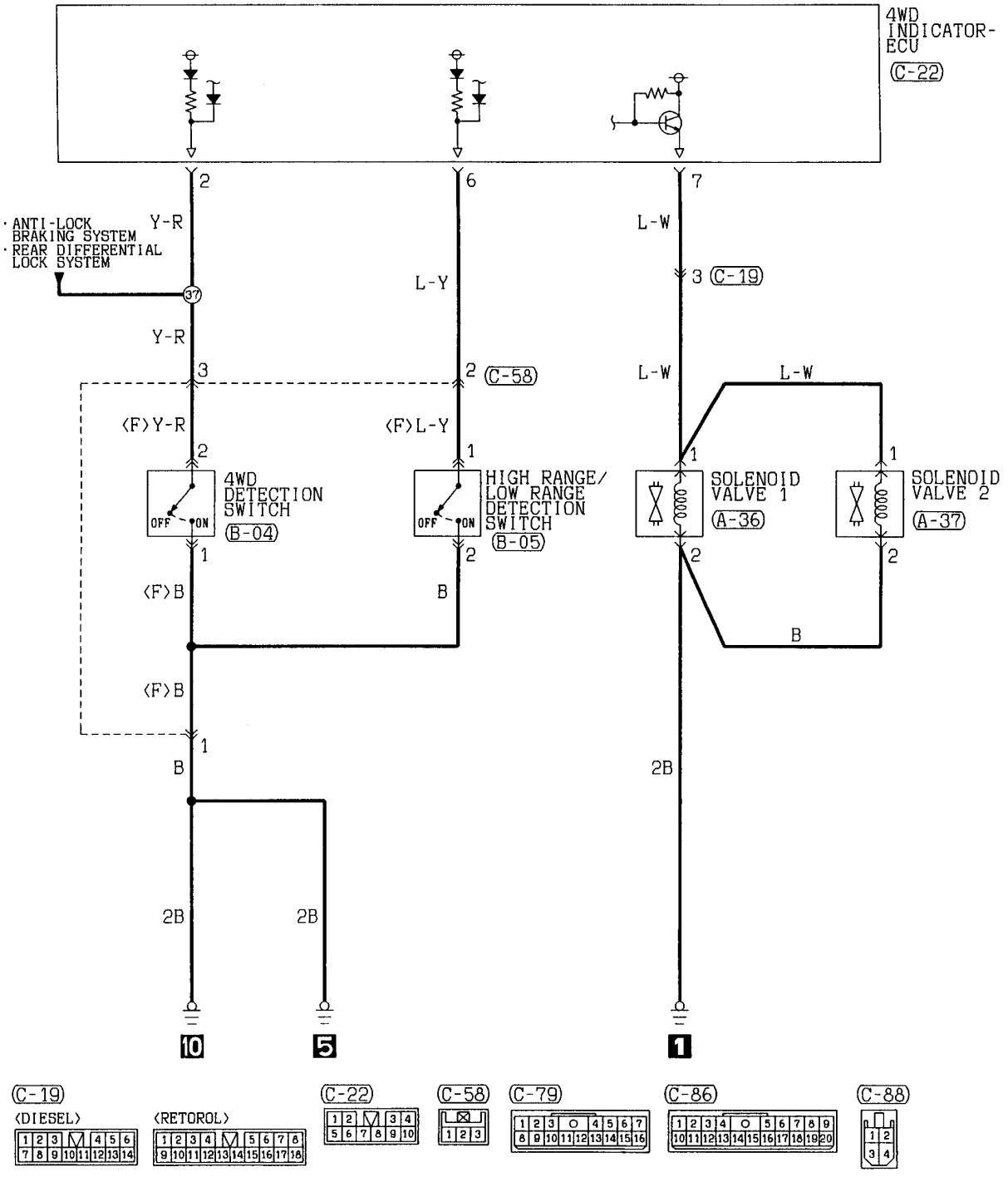
90100910054

1998 Models





8P15E00AA

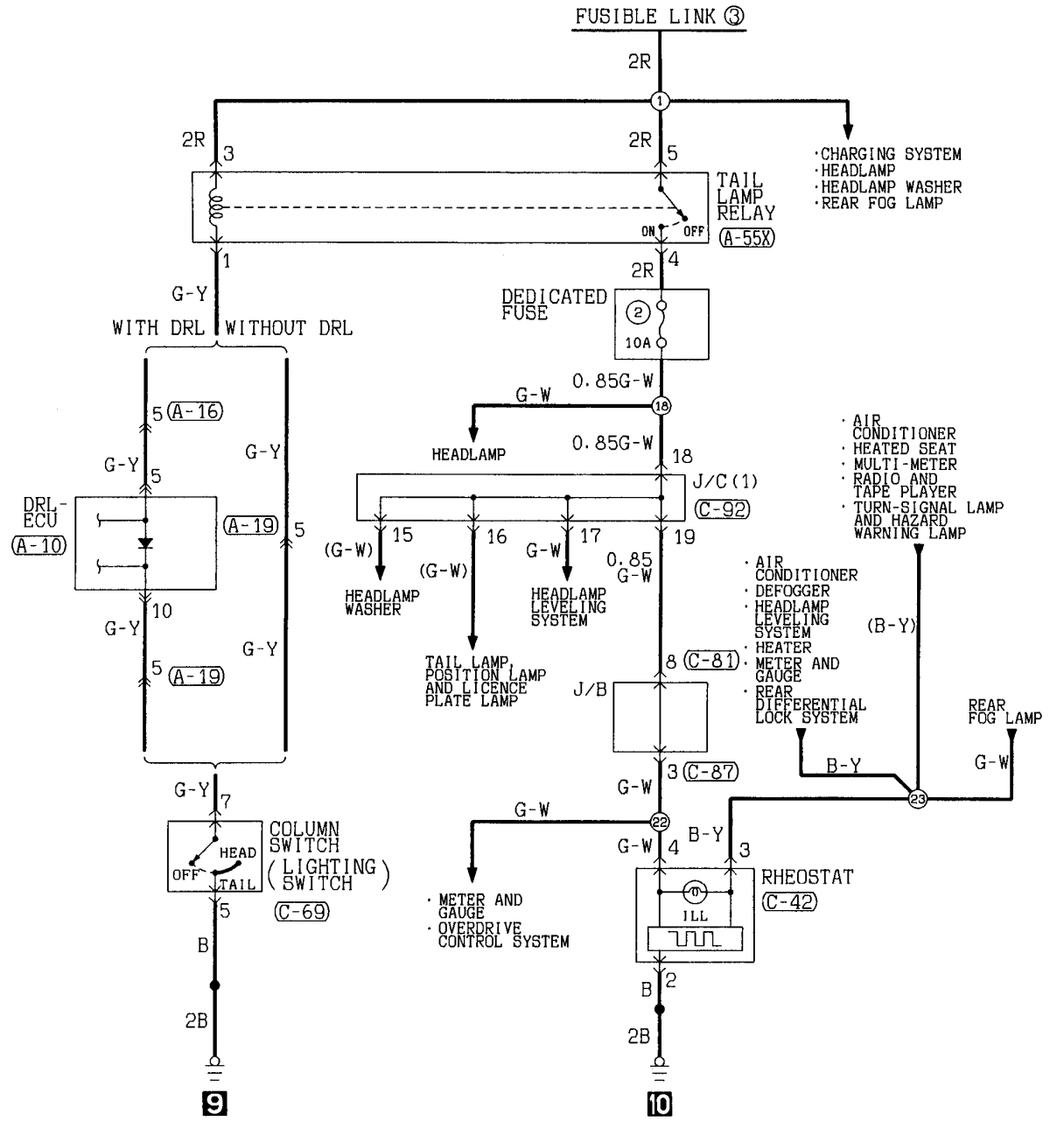

4WD INDICATOR-ECU
C-22
2
6
7
· ANTI-LOCK BRAKING SYSTEM
· REAR DIFFERENTIAL LOCK SYSTEM
Y-R
L-Y
L-W
3 C-19
37
Y-R
3
2 C-58
L-W
L-W
⟨F⟩Y-R
⟨F⟩L-Y
2
1
1
1
4WD DETECTION SWITCH
B-04
HIGH RANGE/ LOW RANGE DETECTION SWITCH
B-05
SOLENOID VALVE 1
A-36
SOLENOID VALVE 2
A-37
OFF
ON
1
2
2
2
⟨F⟩B
B
B
⟨F⟩B
1
B
2B
2B
2B
10
5
1
C-19
⟨DIESEL⟩
⟨RETOROL⟩
C-22
C-58
C-79
C-86
C-88

8P15E00AB

RHEOSTAT

90101110057

1997 Models

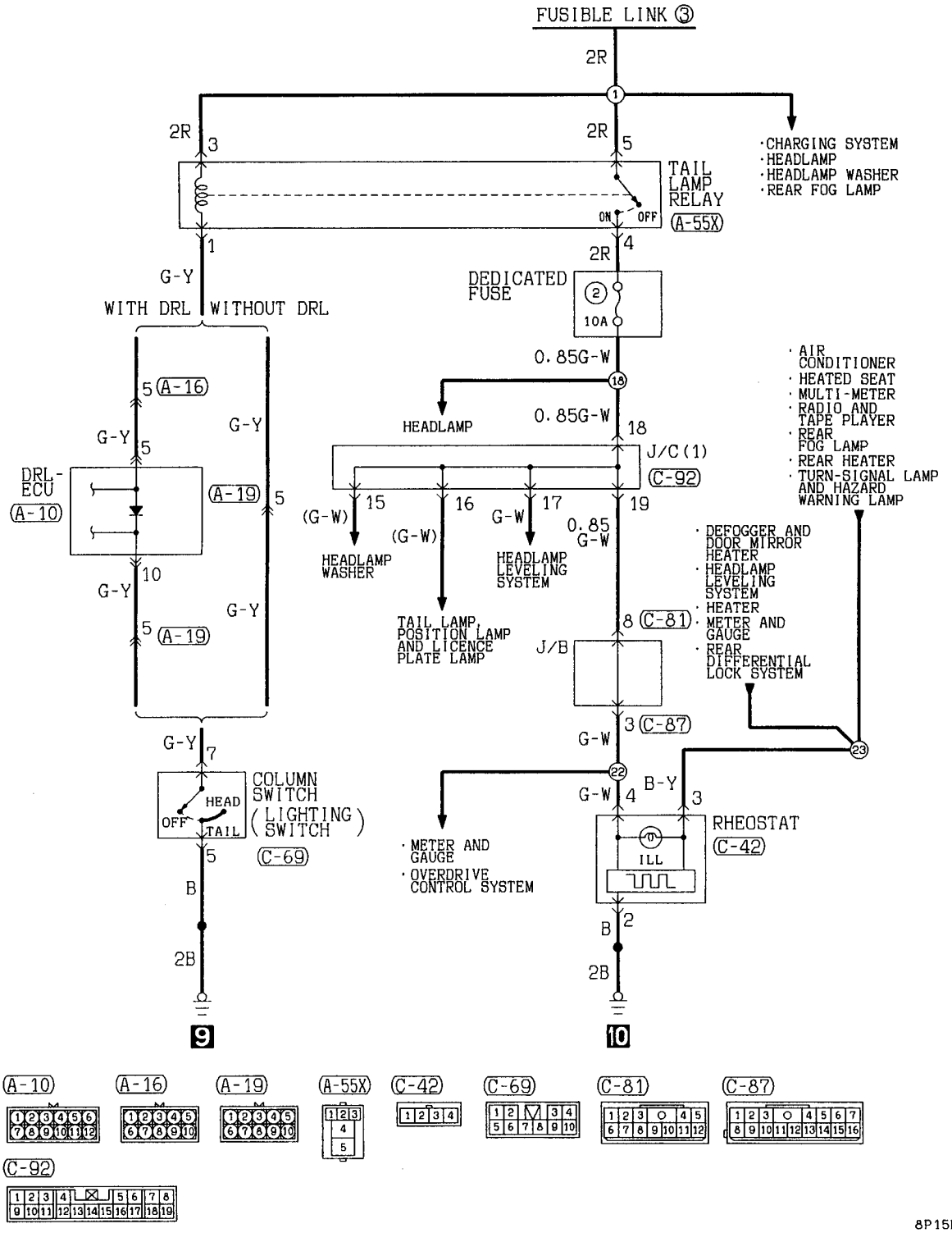


HP15E05AA

RHEOSTAT

90101110217

1998 Models

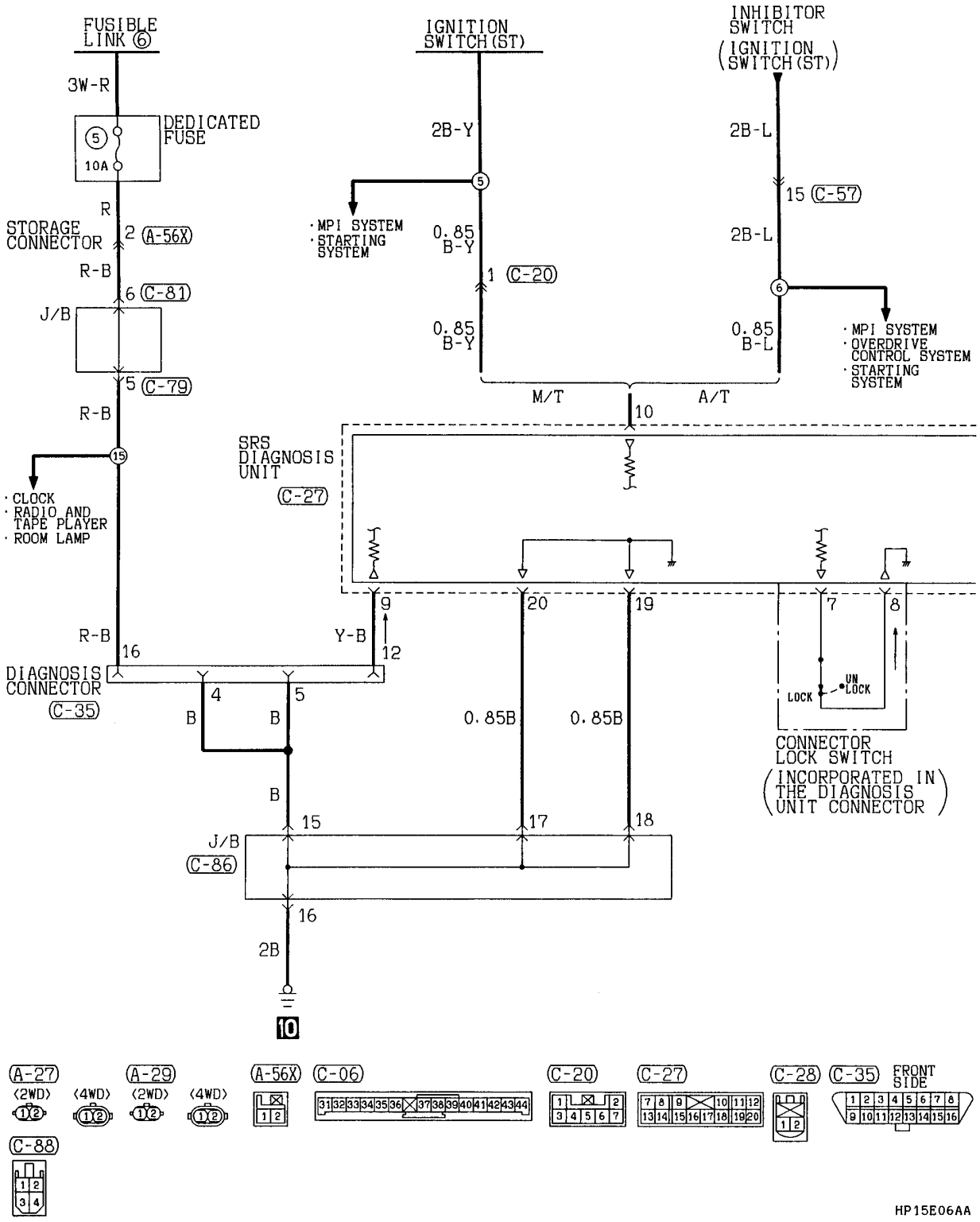


8P15E01AA

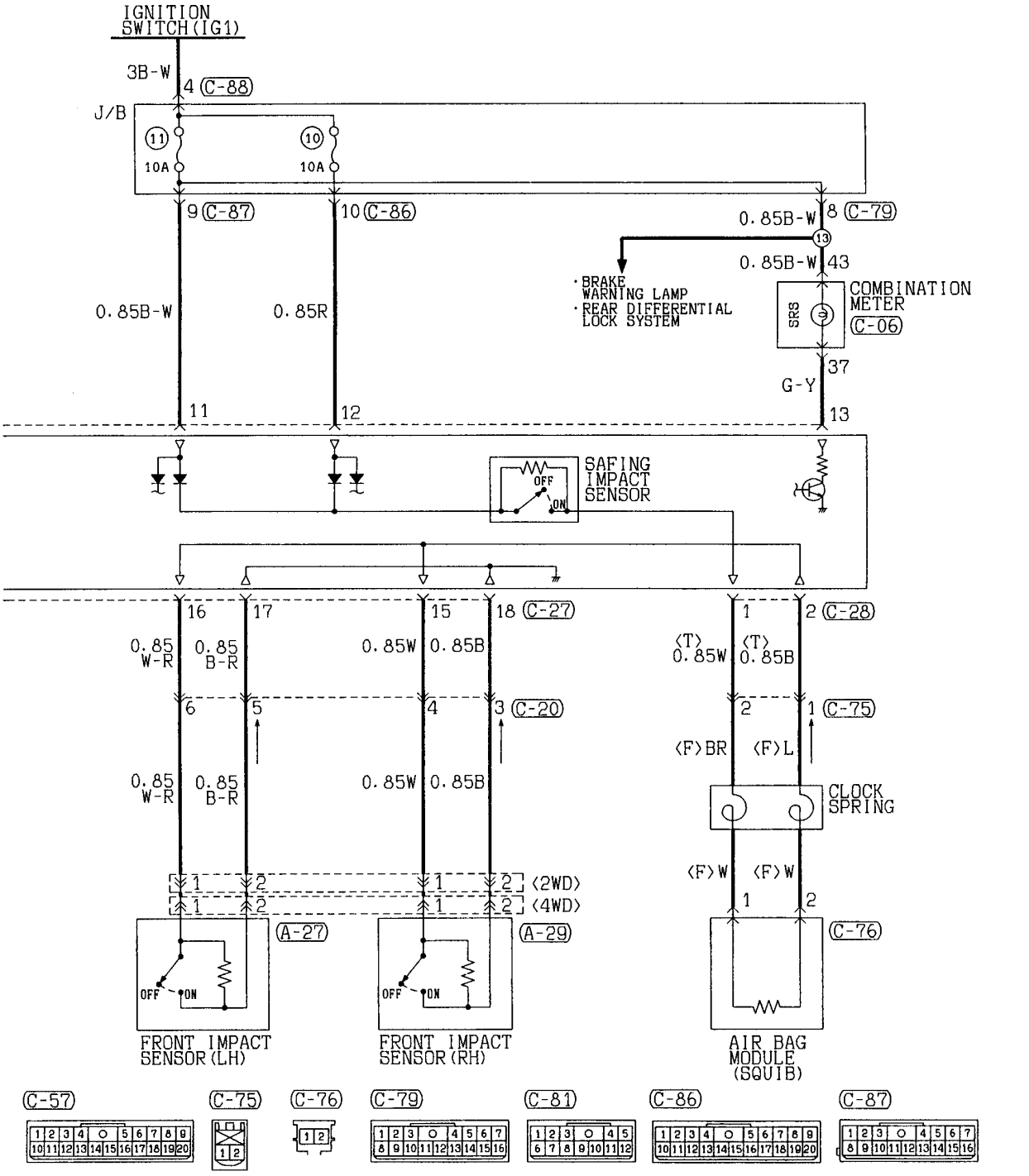
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

90100970229

Petrol-powered vehicles



HP15E06AA

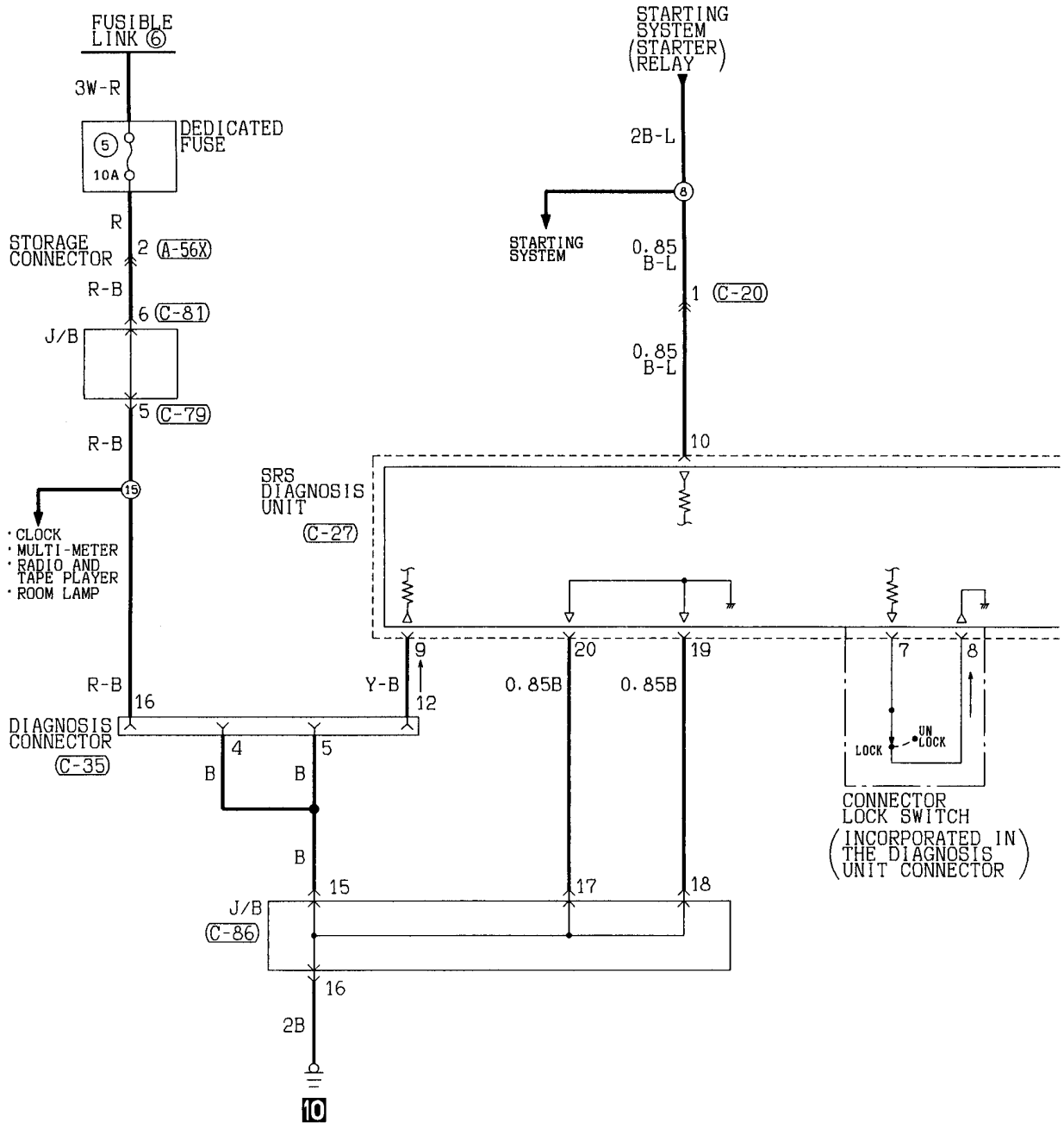

IGNITION SWITCH(IG1)
3B-W
4 (C-88)
J/B
10A
10A
9 (C-87)
10 (C-86)
0.85B-W
0.85R
11
12
0.85B-W 8 (C-79)
0.85B-W 43
·BRAKE WARNING LAMP
·REAR DIFFERENTIAL LOCK SYSTEM
SRS
COMBINATION METER (C-06)
G-Y 37
13
SAFING IMPACT SENSOR
OFF
ON
16 17 15 18 (C-27)
0.85 W-R
0.85 B-R
0.85W
0.85B
6 5 4 3 (C-20)
1 2 (C-28)
〈T〉 0.85W
〈T〉 0.85B
2 1 (C-75)
〈F〉BR
〈F〉L
CLOCK SPRING
〈F〉W
〈F〉W
1 2
(C-76)
1 2 〈2WD〉
1 2 〈4WD〉
(A-27)
(A-29)
FRONT IMPACT SENSOR (LH)
FRONT IMPACT SENSOR (RH)
AIR BAG MODULE (SQUIB)
(C-57)
(C-75)
(C-76)
(C-79)
(C-81)
(C-86)
(C-87)

HP15E06AB

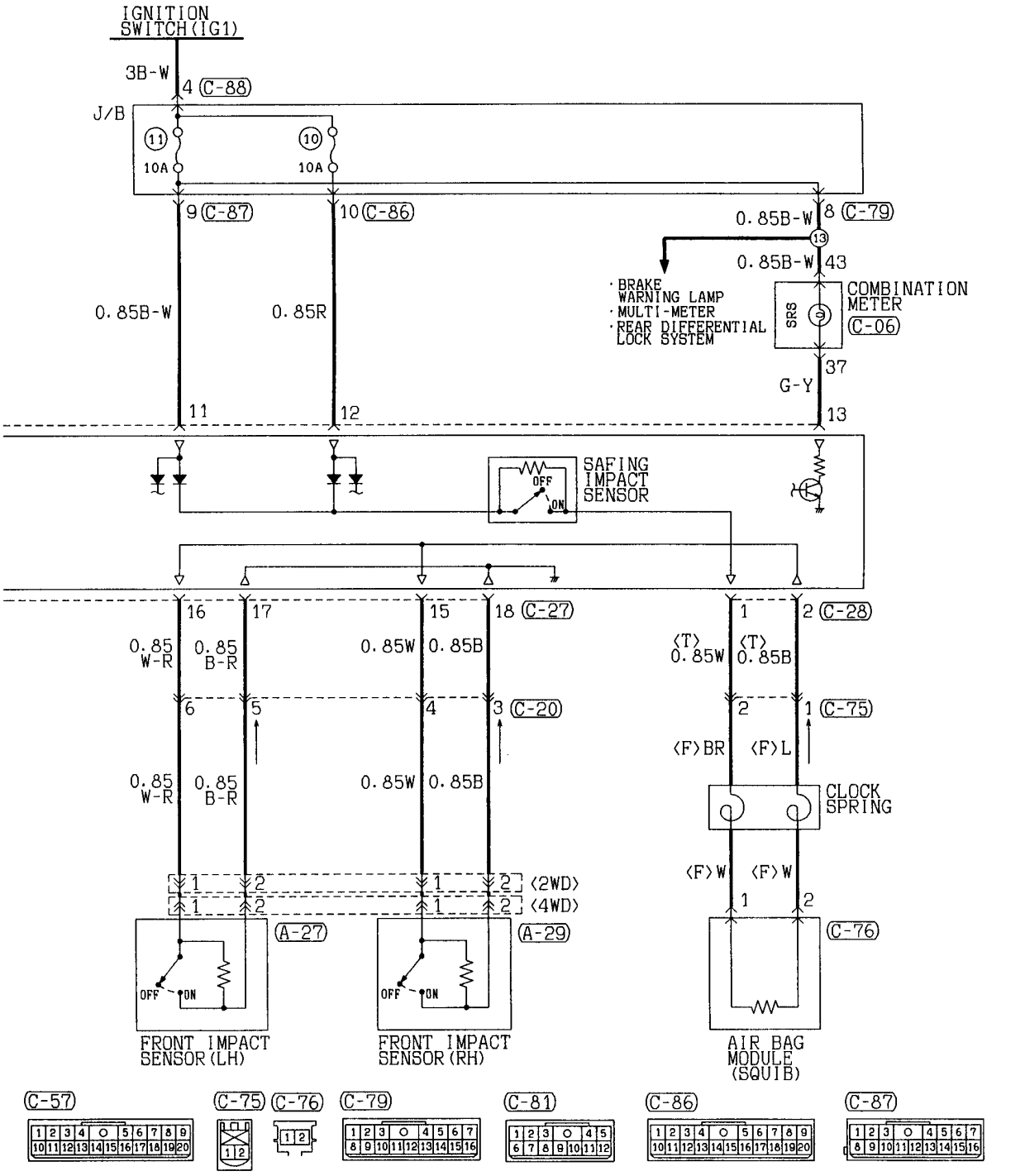
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

90100970236

Diesel-powered vehicles



HP15E07AA

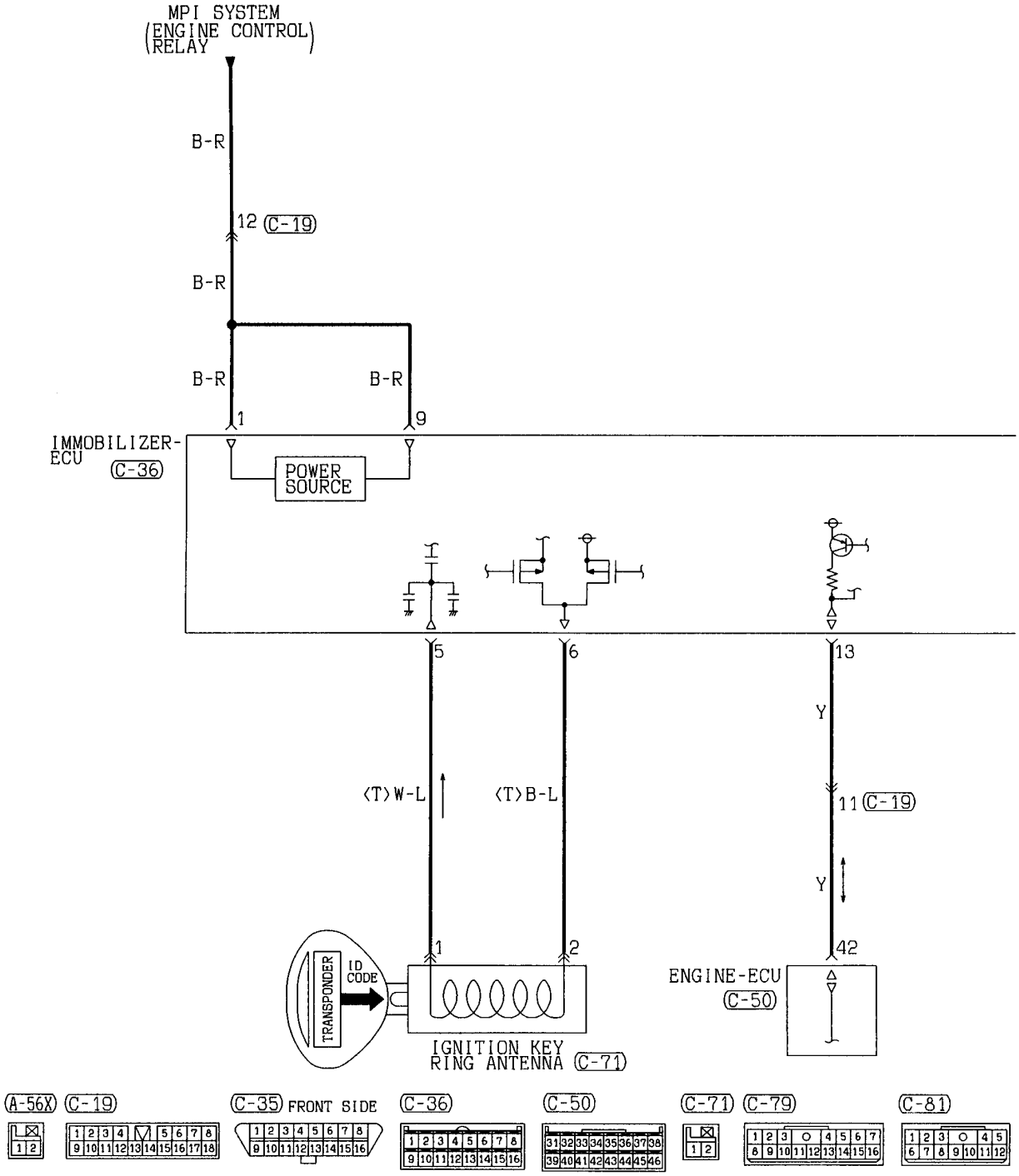

IGNITION SWITCH(IG1)
3B-W
4 C-88
J/B
11
10A
10
10A
9 C-87
10 C-86
0.85B-W
8 C-79
13
0.85B-W
43
· BRAKE WARNING LAMP
· MULTI-METER
· REAR DIFFERENTIAL LOCK SYSTEM
SRS
COMBINATION METER
C-06
0.85B-W
0.85R
37
G-Y
11
12
13
SAFING IMPACT SENSOR
OFF
ON
16
17
15
18 C-27
1
2 C-28
0.85 W-R
0.85 B-R
0.85W
0.85B
⟨T⟩ 0.85W
⟨T⟩ 0.85B
6
5
4
3 C-20
2
1 C-75
⟨F⟩BR
⟨F⟩L
CLOCK SPRING
⟨F⟩W
⟨F⟩W
⟨2WD⟩
⟨4WD⟩
A-27
A-29
C-76
FRONT IMPACT SENSOR (LH)
FRONT IMPACT SENSOR (RH)
AIR BAG MODULE (SQUIB)
C-57
C-75
C-76
C-79
C-81
C-86
C-87

HP15E07AB

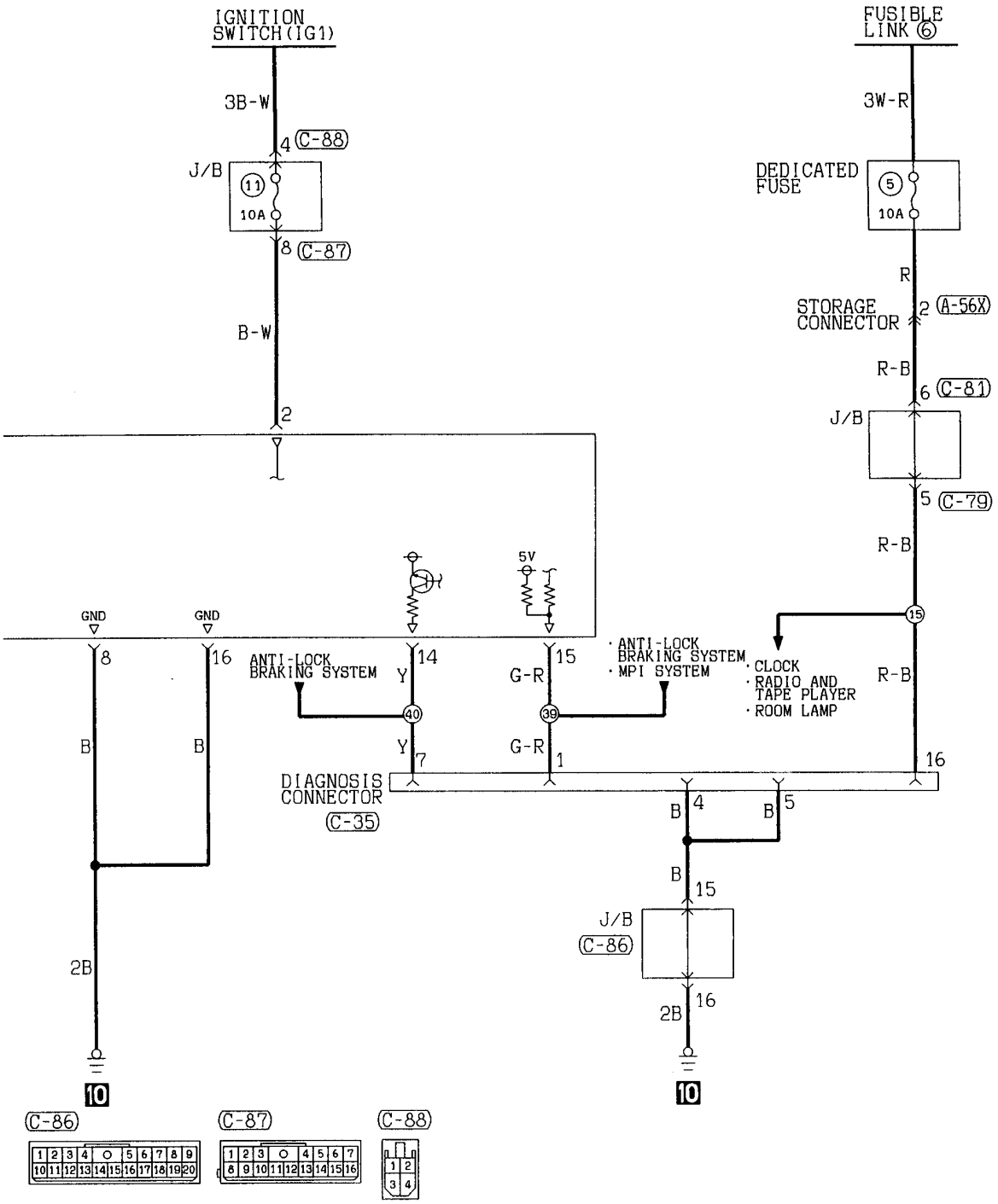
IMMOBILIZER SYSTEM

90101360049

Petrol-powered vehicles <1997 Models>



HP15E08AA

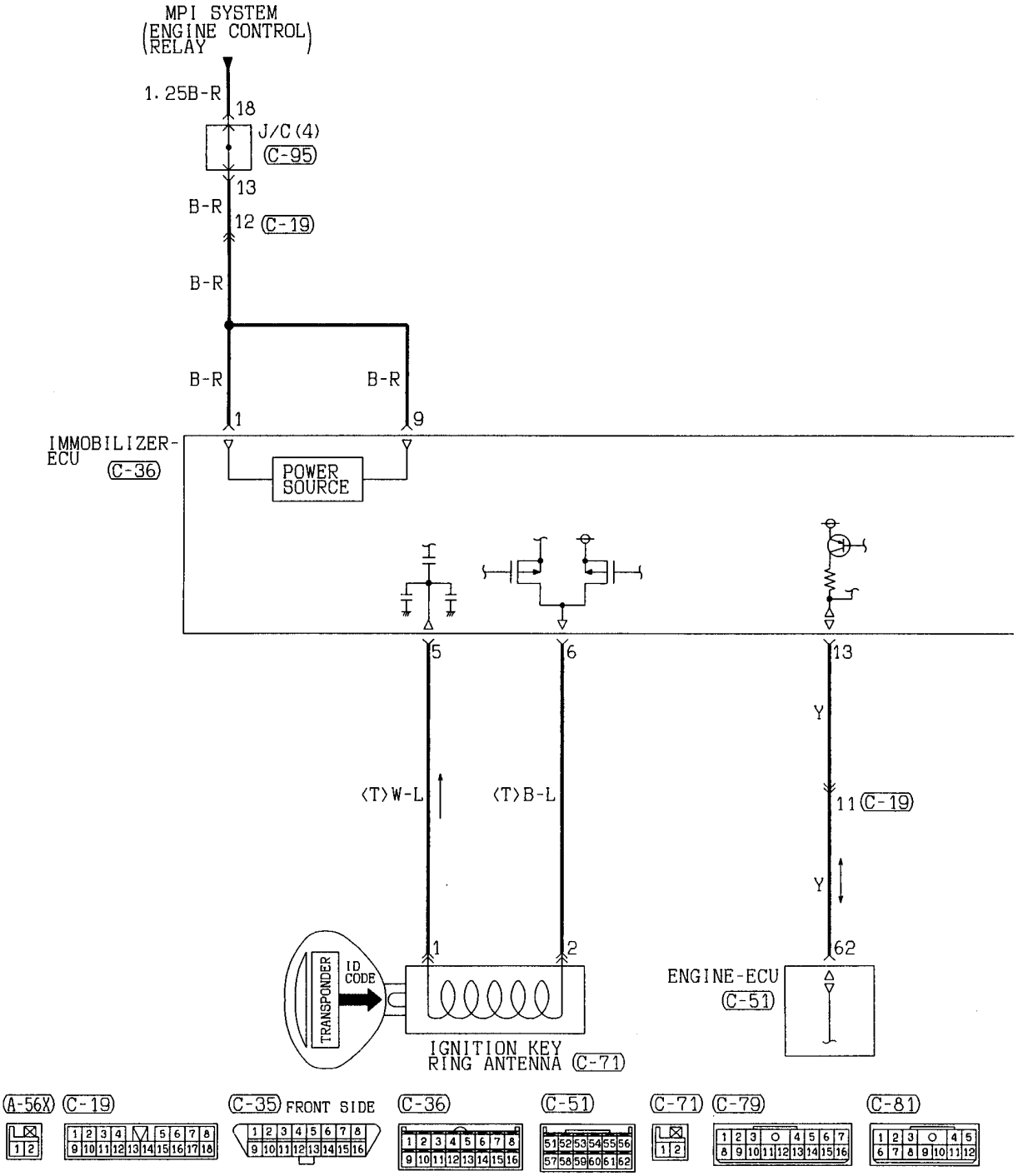

IGNITION SWITCH(IG1)
3B-W
4 C-88
J/B
11
10A
8 C-87
B-W
2
FUSIBLE LINK 6
3W-R
DEDICATED FUSE
5
10A
R
STORAGE CONNECTOR
2 A-56X
R-B
6 C-81
J/B
5 C-79
R-B
15
R-B
5V
GND
GND
8
16
ANTI-LOCK BRAKING SYSTEM
Y
14
G-R
15
· ANTI-LOCK BRAKING SYSTEM
· MPI SYSTEM
· CLOCK
· RADIO AND TAPE PLAYER
· ROOM LAMP
40
39
Y
7
G-R
1
16
DIAGNOSIS CONNECTOR
C-35
B
4
B
5
B
15
J/B
C-86
2B
16
2B
10
10
C-86
C-87
C-88

HP15E08AB

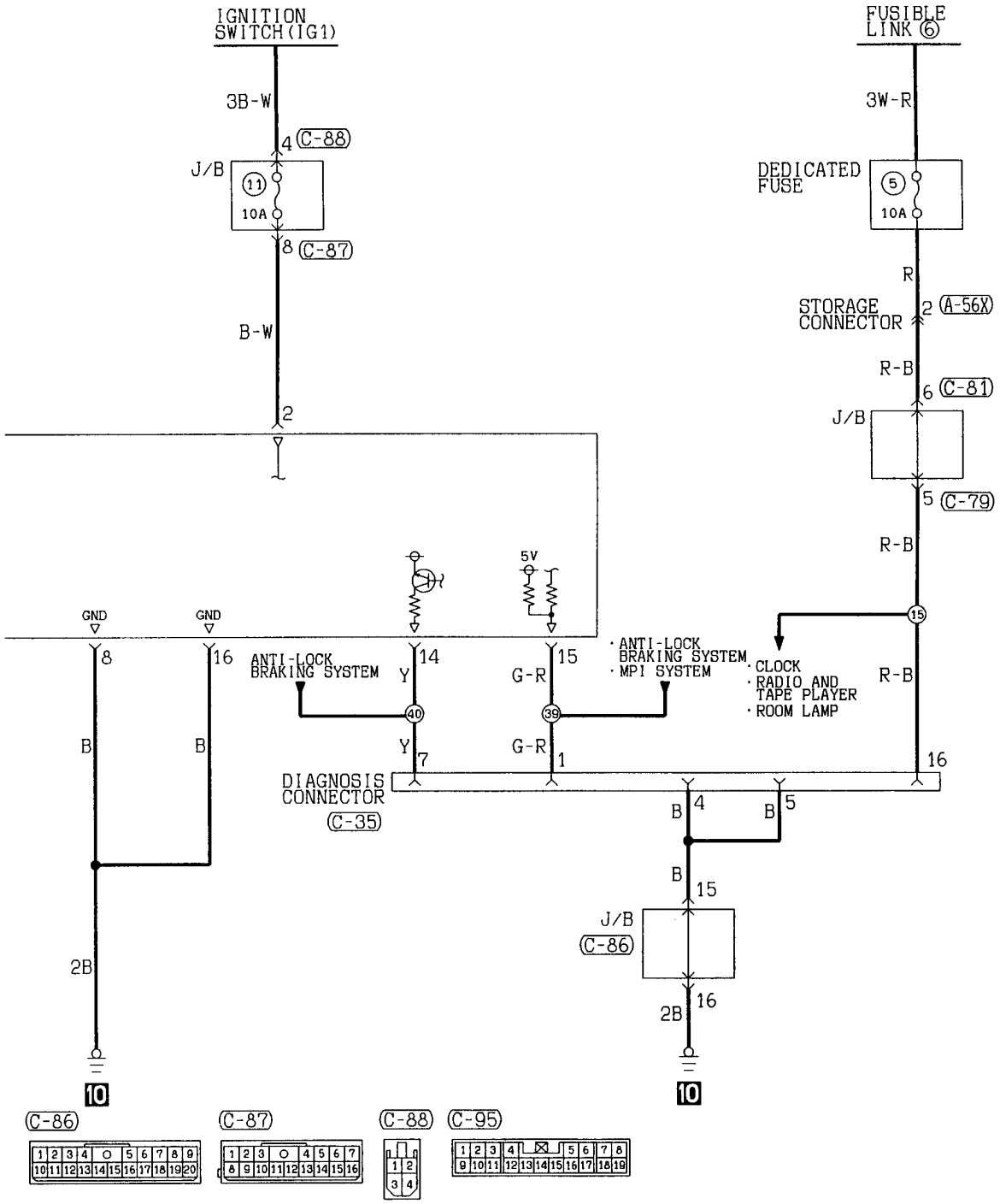
IMMOBILIZER SYSTEM

90101360216

Petrol-powered vehicles <1998 Models>



8P15E02AA

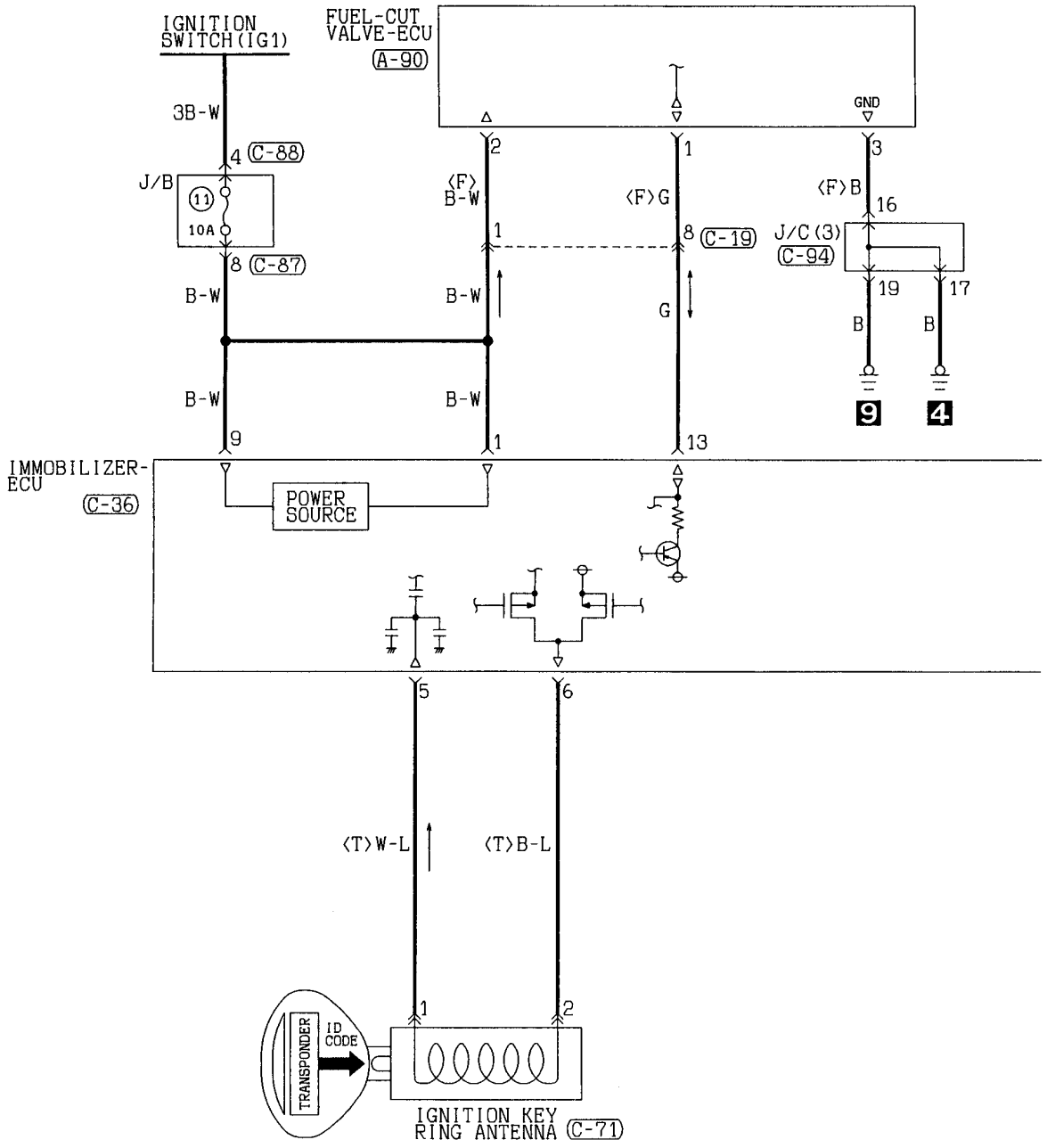

IGNITION SWITCH(IG1)
3B-W
4 C-88
J/B
11
10A
8 C-87
B-W
2
FUSIBLE LINK ⑥
3W-R
DEDICATED FUSE
5
10A
R
STORAGE CONNECTOR
2 A-56X
R-B
6 C-81
J/B
5 C-79
R-B
15
5V
GND
GND
8
16
ANTI-LOCK BRAKING SYSTEM
Y
14
G-R
15
· ANTI-LOCK BRAKING SYSTEM
· MPI SYSTEM
· CLOCK
· RADIO AND TAPE PLAYER
· ROOM LAMP
R-B
40
39
B
B
Y
7
G-R
1
16
DIAGNOSIS CONNECTOR
C-35
B
4
B
5
B
15
J/B
C-86
2B
16
2B
10
10
C-86
C-87
C-88
C-95

8P15E02AB

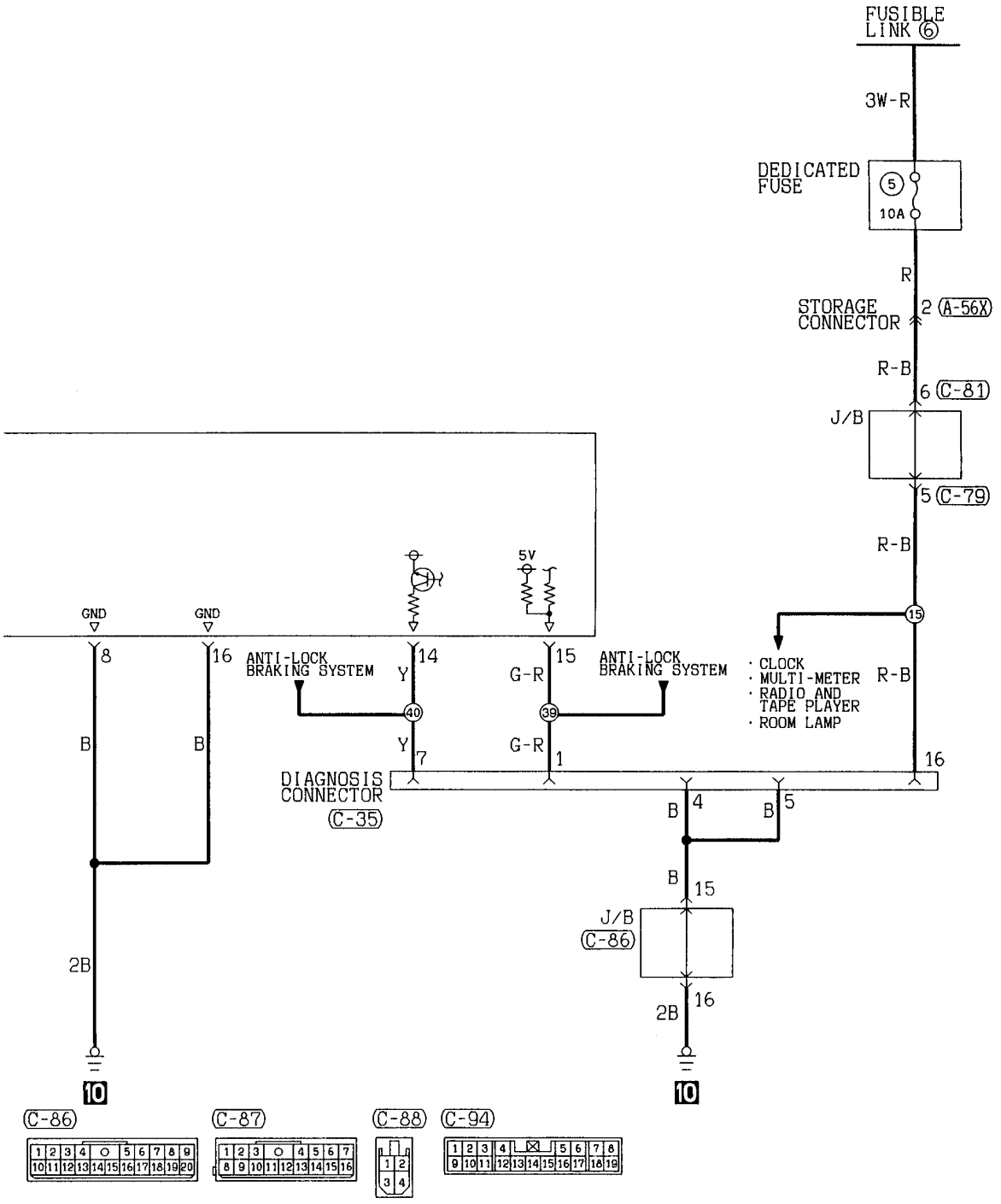
IMMOBILIZER SYSTEM

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Diesel-powered vehicles <1997 Models>



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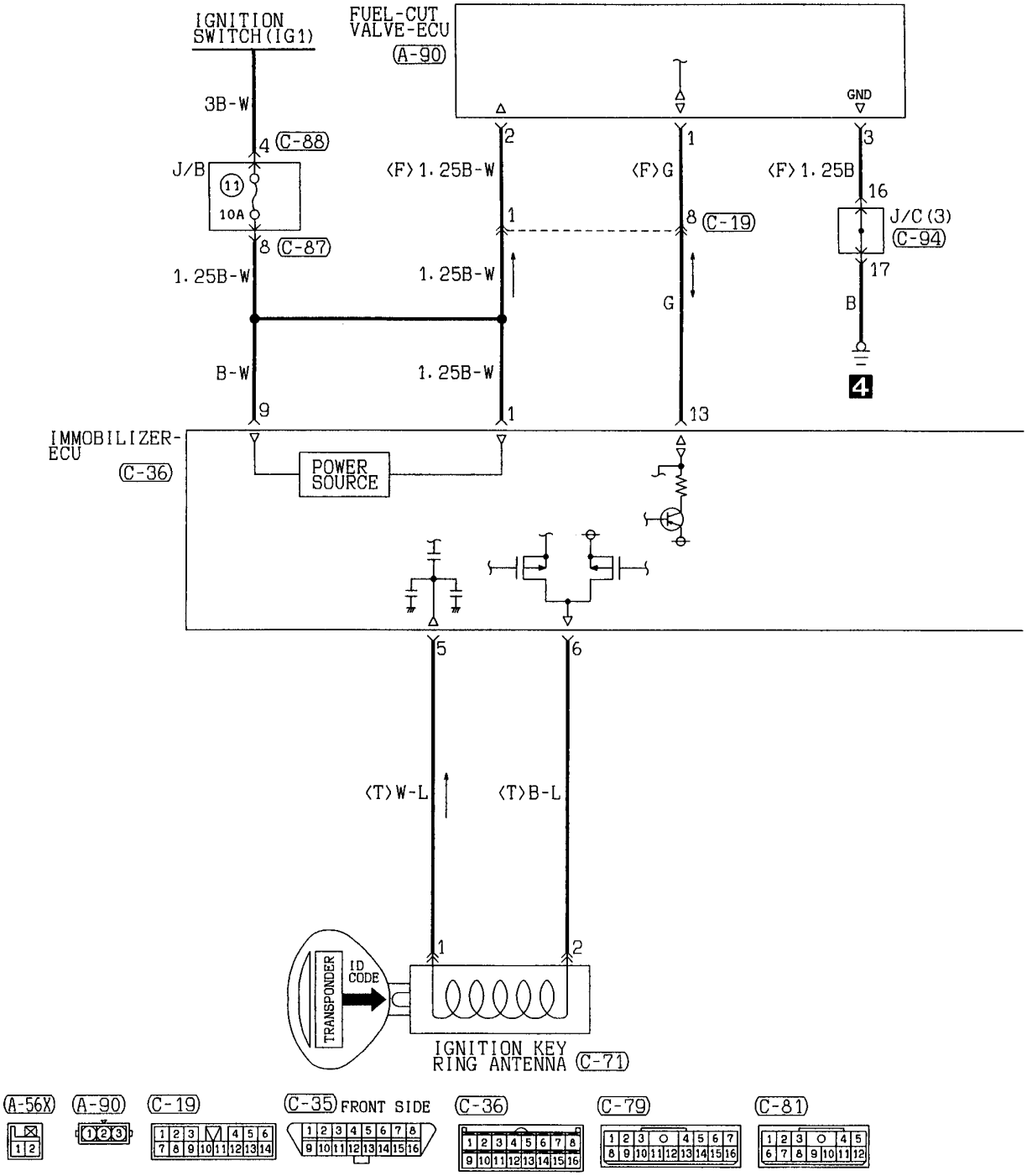

FUSIBLE LINK ⑥
3W-R
DEDICATED FUSE
⑤
10A
R
STORAGE CONNECTOR
2 (A-56X)
R-B
6 (C-81)
J/B
5 (C-79)
R-B
15
· CLOCK
· MULTI-METER
· RADIO AND TAPE PLAYER
· ROOM LAMP
R-B
16
5V
GND
GND
8
16
ANTI-LOCK BRAKING SYSTEM
Y
14
G-R
15
ANTI-LOCK BRAKING SYSTEM
40
39
Y
7
G-R
1
DIAGNOSIS CONNECTOR
(C-35)
B
4
B
5
B
15
J/B
(C-86)
2B
16
2B
10
10
(C-86)
(C-87)
(C-88)
(C-94)

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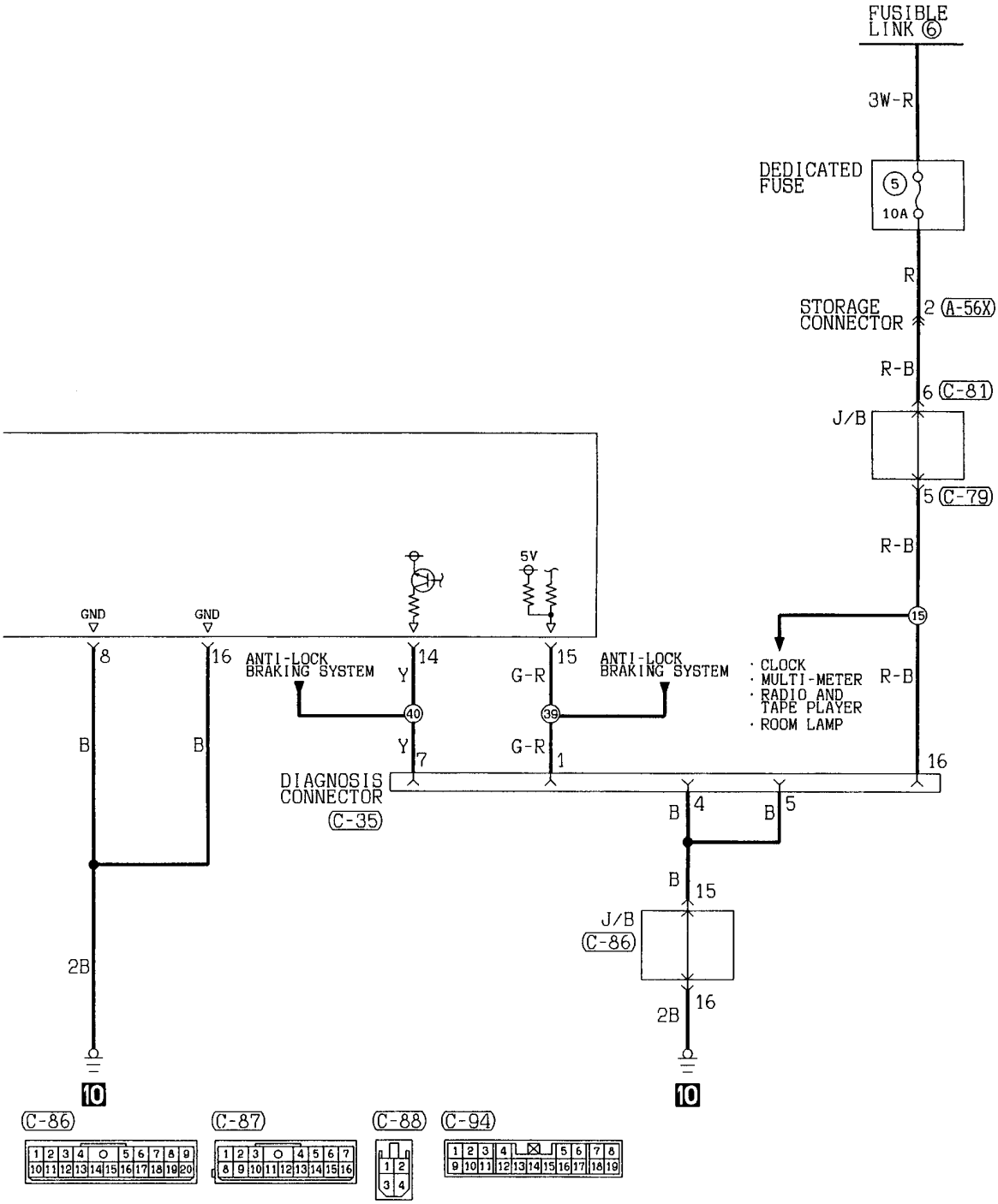
IMMOBILIZER SYSTEM

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Diesel-powered vehicles <1998 Models>



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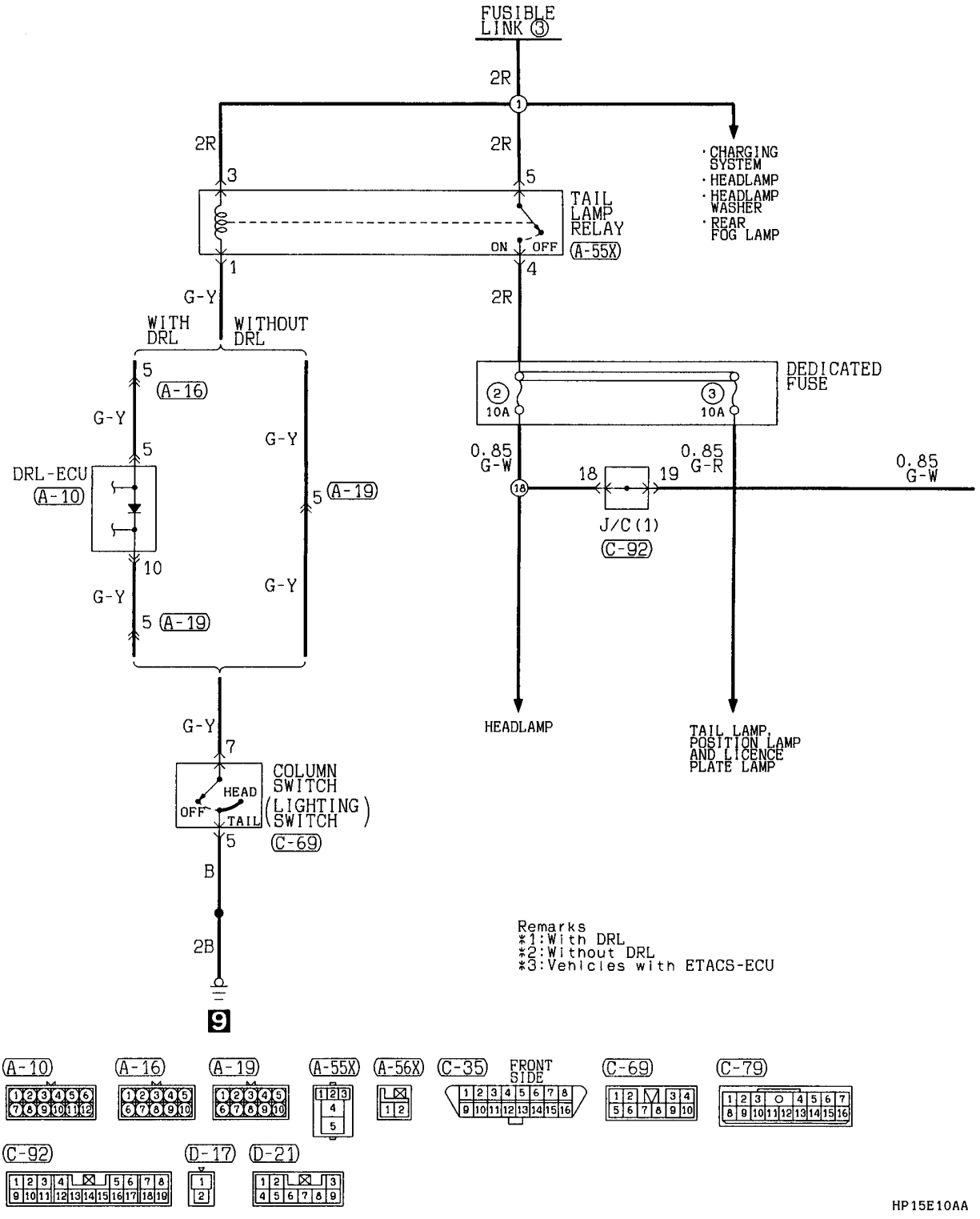

FUSIBLE LINK ⑥
3W-R
DEDICATED FUSE
⑤
10A
R
STORAGE CONNECTOR
2 (A-56X)
R-B
6 (C-81)
J/B
5 (C-79)
R-B
15
· CLOCK
· MULTI-METER
· RADIO AND TAPE PLAYER
· ROOM LAMP
R-B
16
5V
GND
GND
8
16
ANTI-LOCK BRAKING SYSTEM
Y
14
G-R
15
ANTI-LOCK BRAKING SYSTEM
40
39
Y
7
G-R
1
DIAGNOSIS CONNECTOR
(C-35)
B
4
B
5
B
15
J/B
(C-86)
B
B
2B
2B
16
10
10
(C-86)
(C-87)
(C-88)
(C-94)

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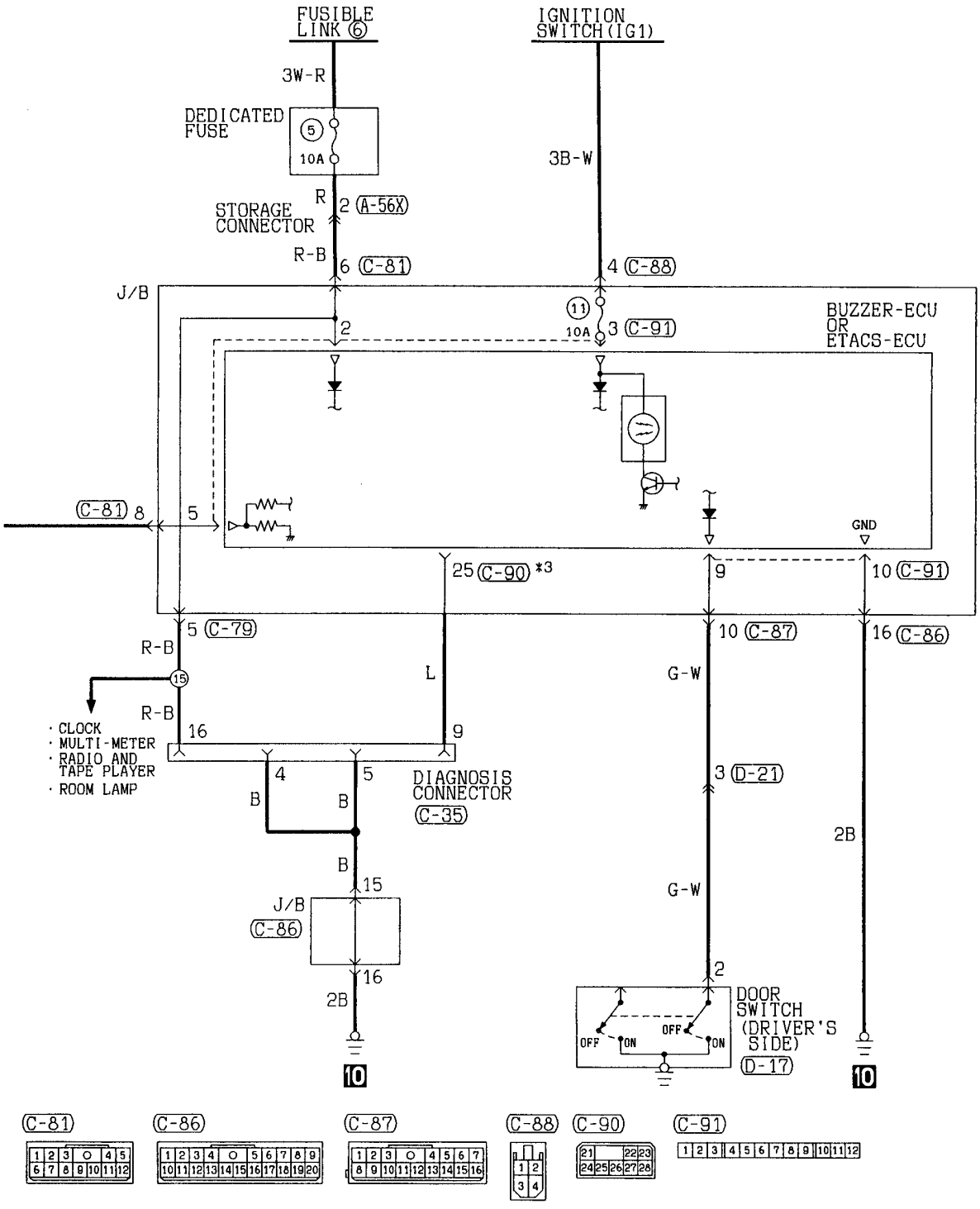
LIGHTING MONITOR BUZZER

90101140148

L.H. drive vehicles <1997 Models>



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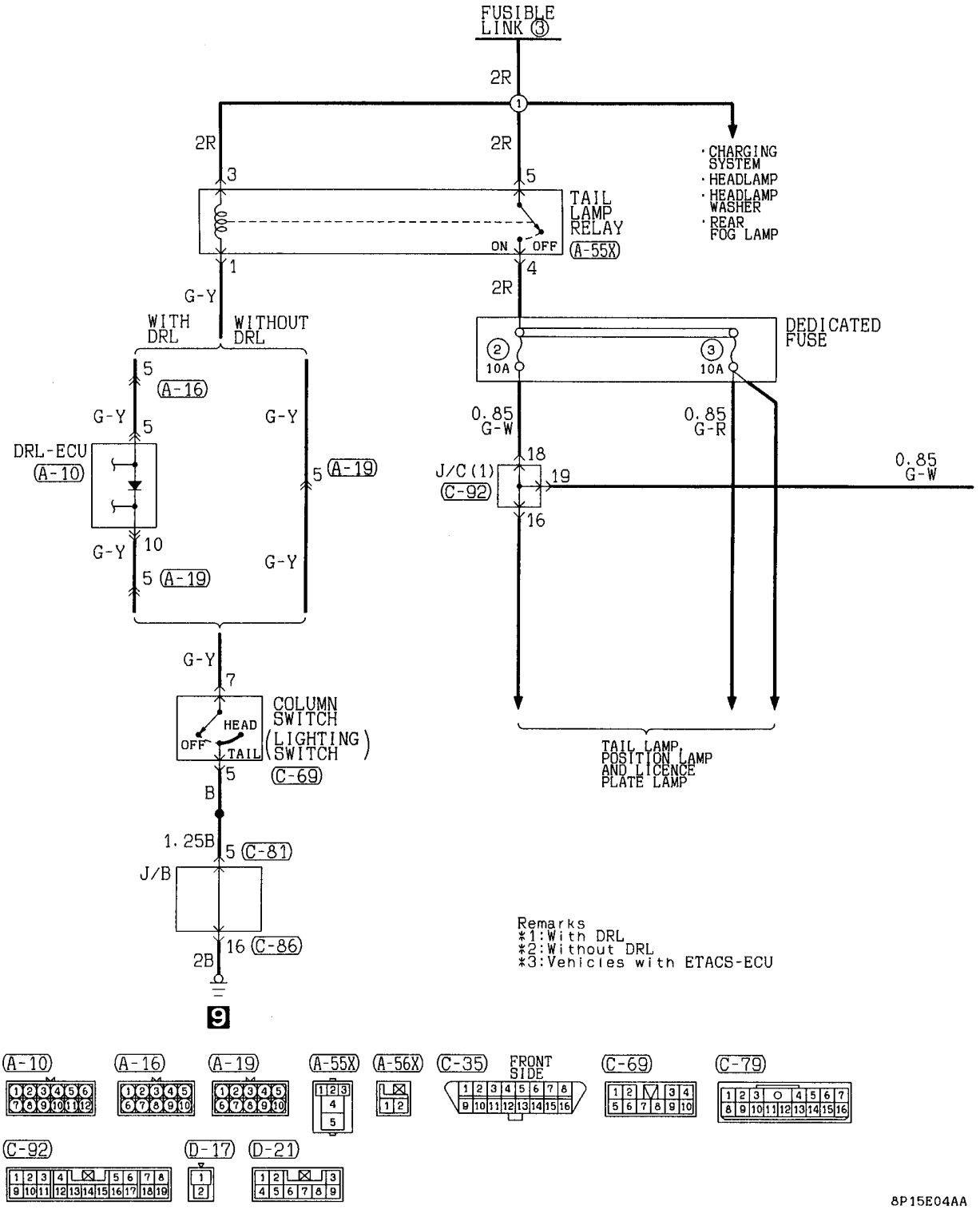

FUSIBLE LINK ⑥
IGNITION SWITCH(IG1)
3W-R
DEDICATED FUSE
⑤
10A
3B-W
R
2 (A-56X)
STORAGE CONNECTOR
R-B
6 (C-81)
4 (C-88)
J/B
⑪
10A
3 (C-91)
BUZZER-ECU OR ETACS-ECU
2
(C-81) 8
5
GND
25 (C-90) *3
9
10 (C-91)
5 (C-79)
10 (C-87)
16 (C-86)
R-B
L
G-W
⑮
R-B
· CLOCK
· MULTI-METER
· RADIO AND TAPE PLAYER
· ROOM LAMP
16
9
4
5
DIAGNOSIS CONNECTOR (C-35)
B
B
3 (D-21)
2B
B
15
G-W
J/B (C-86)
16
2
2B
DOOR SWITCH (DRIVER'S SIDE) (D-17)
OFF
ON
OFF
ON
10
10
(C-81)
(C-86)
(C-87)
(C-88)
(C-90)
(C-91)

HP15E10AB

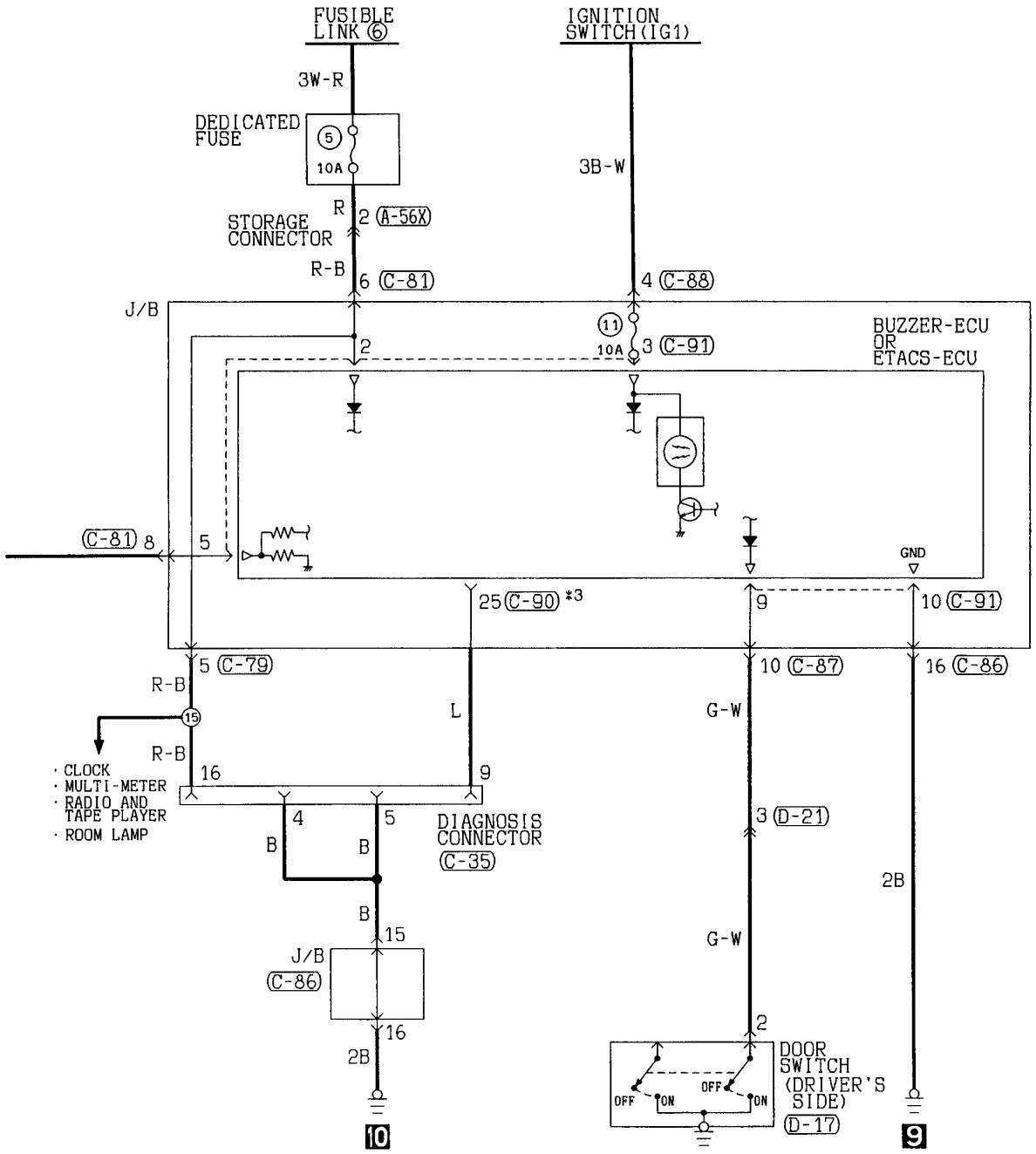
LIGHTING MONITOR BUZZER

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L.H. drive vehicles <1998 Models>



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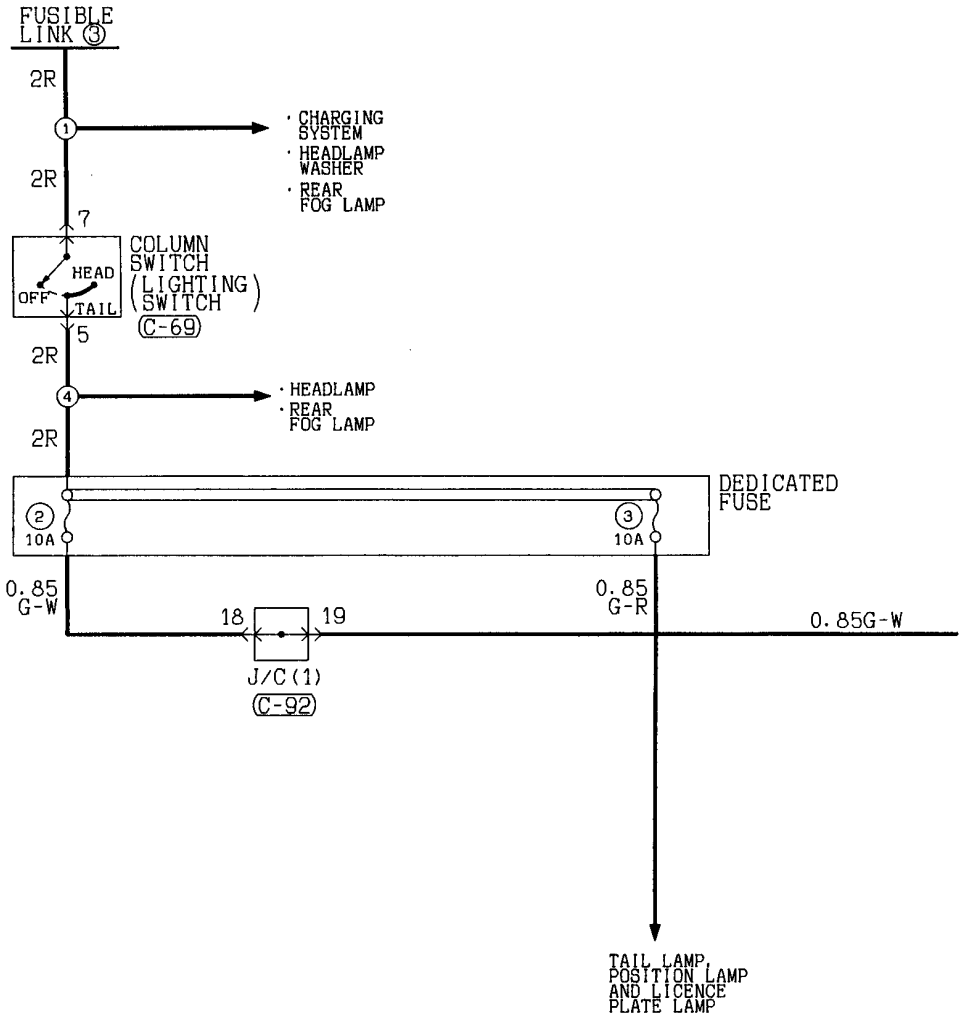

FUSIBLE LINK ⑥
IGNITION SWITCH(IG1)
3W-R
DEDICATED FUSE
⑤
10A
3B-W
R
2 A-56X
STORAGE CONNECTOR
R-B
6 C-81
4 C-88
J/B
⑪
10A
3 C-91
BUZZER-ECU OR ETACS-ECU
2
C-81 8
5
GND
25 C-90 *3
9
10 C-91
5 C-79
10 C-87
16 C-86
R-B
L
G-W
15
R-B
· CLOCK
· MULTI-METER
· RADIO AND TAPE PLAYER
· ROOM LAMP
16
9
4
5
B
B
DIAGNOSIS CONNECTOR C-35
3 D-21
2B
B
15
G-W
J/B C-86
16
2
2B
DOOR SWITCH (DRIVER'S SIDE) D-17
OFF
ON
OFF
ON
10
9
C-81
C-86
C-87
C-88
C-90
C-91

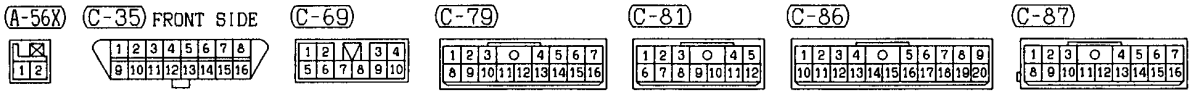
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LIGHTING MONITOR BUZZER

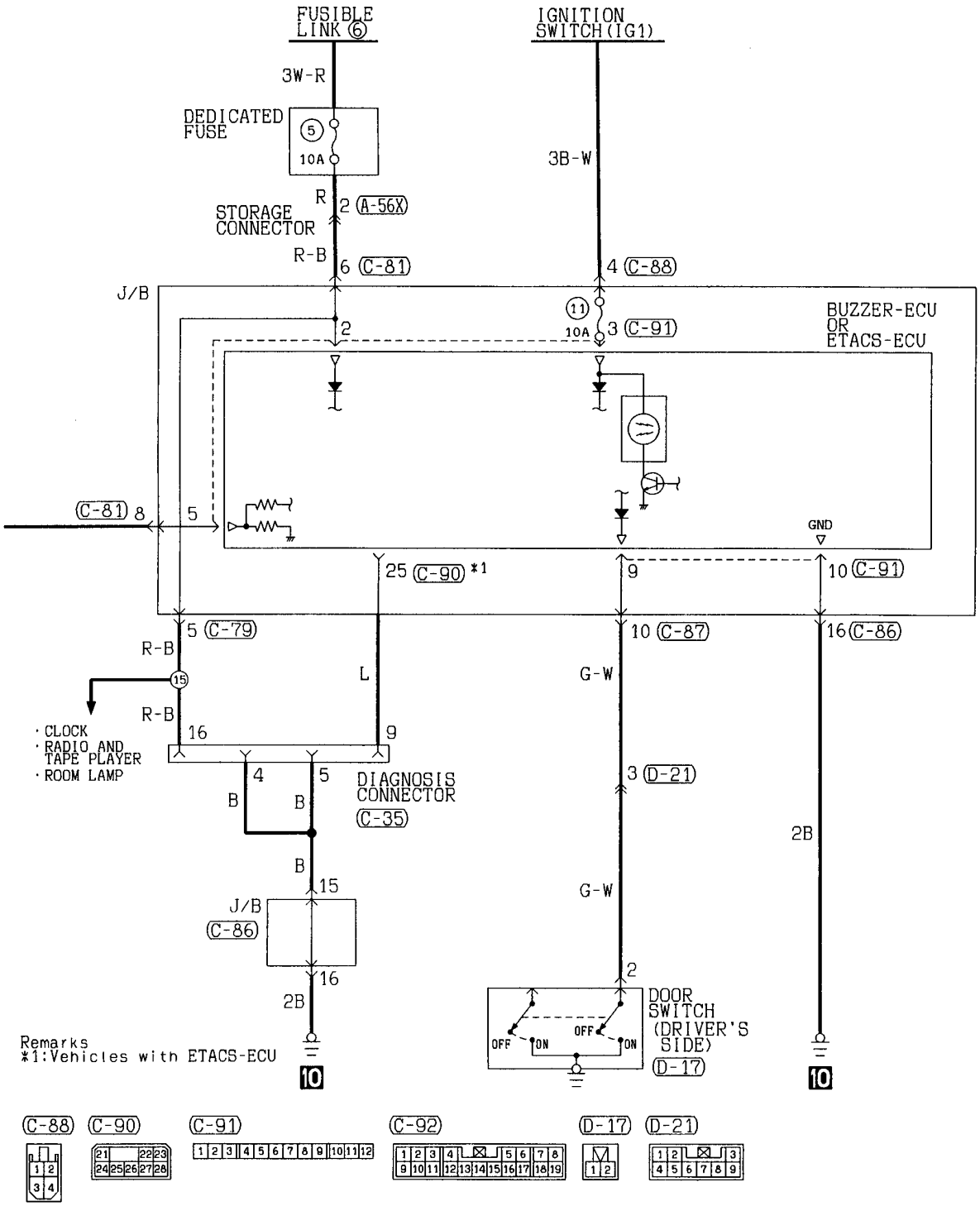
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R.H. drive vehicles <1997 Models>





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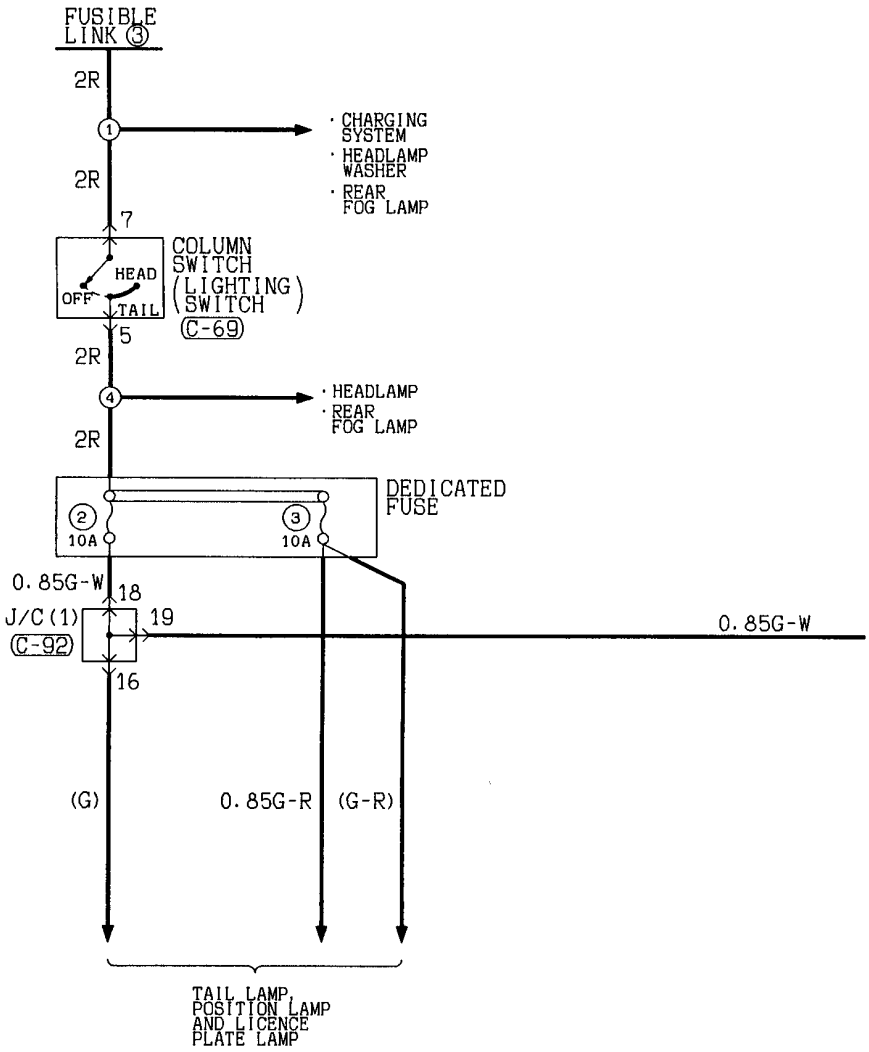

FUSIBLE LINK ⑥
IGNITION SWITCH (IG1)
3W-R
DEDICATED FUSE
⑤
10A
3B-W
R
2 (A-56X)
STORAGE CONNECTOR
R-B
6 (C-81)
4 (C-88)
J/B
⑪
10A
3 (C-91)
BUZZER-ECU OR ETACS-ECU
2
(C-81) 8
5
GND
25 (C-90) *1
9
10 (C-91)
5 (C-79)
10 (C-87)
16 (C-86)
R-B
L
G-W
⑮
R-B
· CLOCK
· RADIO AND TAPE PLAYER
· ROOM LAMP
16
9
4
5
B
B
DIAGNOSIS CONNECTOR (C-35)
3 (D-21)
2B
B
15
G-W
J/B (C-86)
16
2
2B
DOOR SWITCH (DRIVER'S SIDE) (D-17)
OFF
ON
OFF
ON
10
10
Remarks
*1:Vehicles with ETACS-ECU
(C-88)
(C-90)
(C-91)
(C-92)
(D-17)
(D-21)

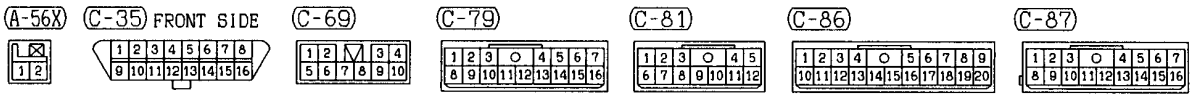
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LIGHTING MONITOR BUZZER

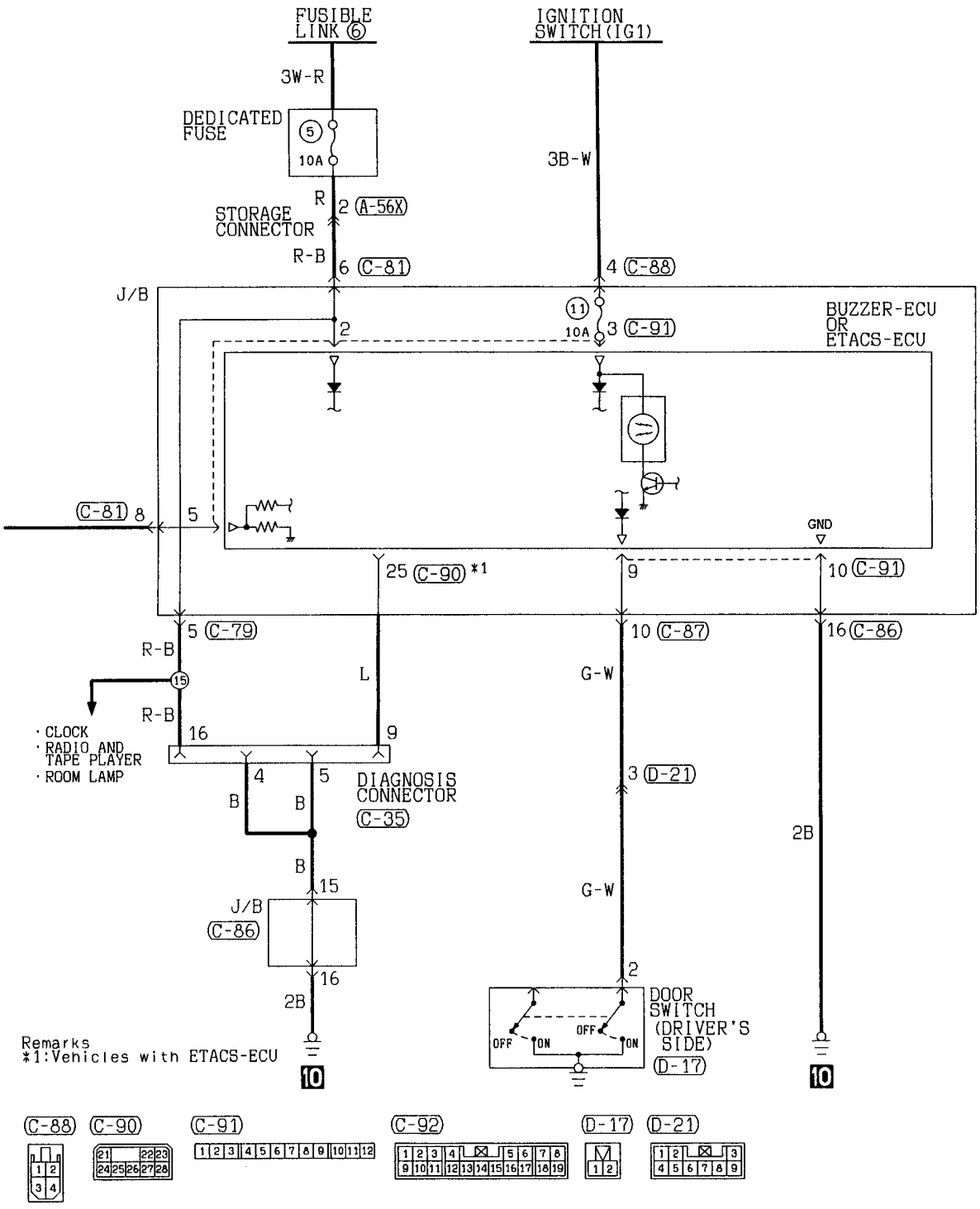
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R.H. drive vehicles <1998 Models>





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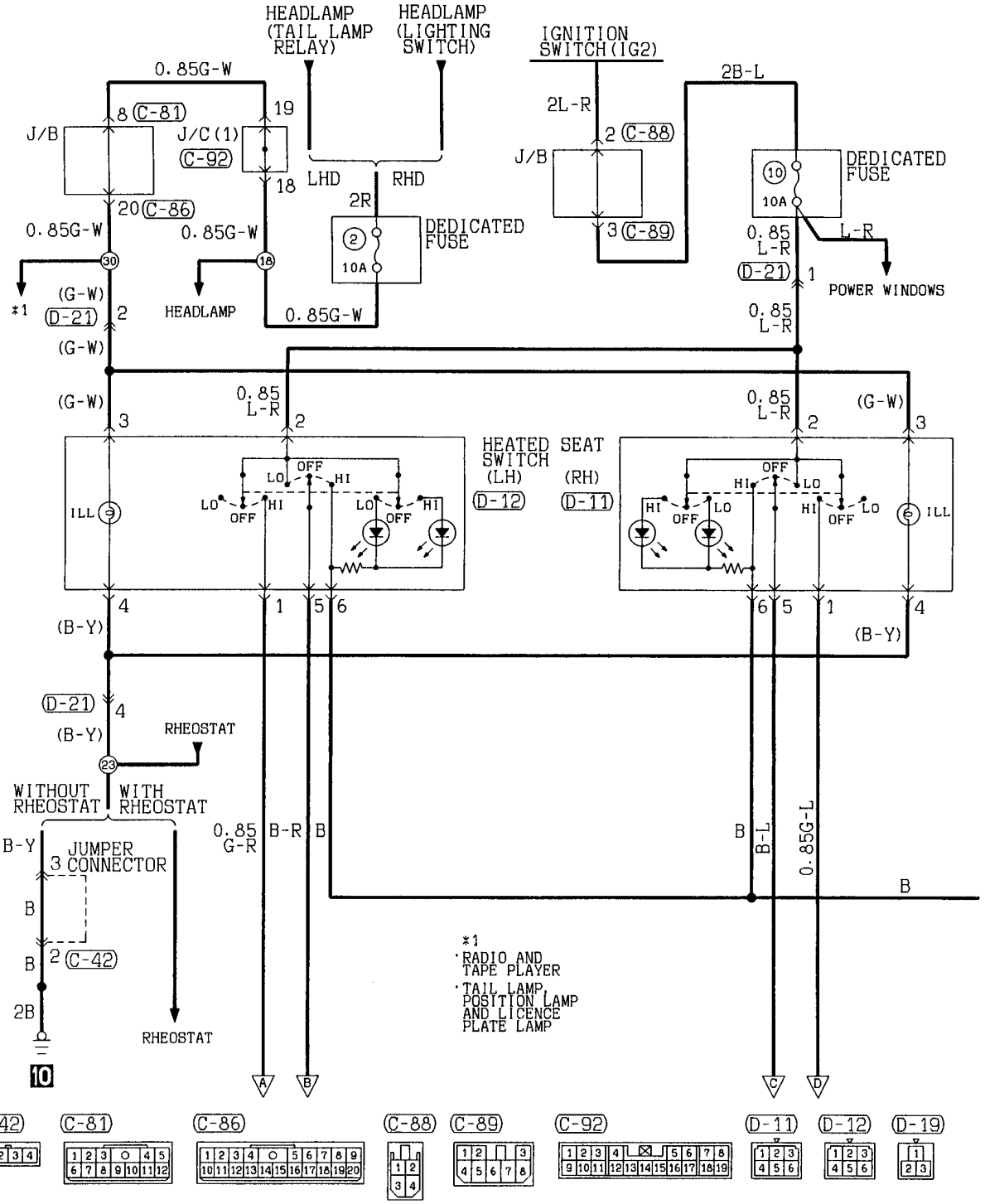

FUSIBLE LINK ⑥
IGNITION SWITCH(IG1)
3W-R
DEDICATED FUSE
⑤
10A
3B-W
R
2 A-56X
STORAGE CONNECTOR
R-B
6 C-81
4 C-88
J/B
2
⑪
10A
3 C-91
BUZZER-ECU OR ETACS-ECU
C-81 8
5
GND
25 C-90 *1
9
10 C-91
5 C-79
10 C-87
16 C-86
R-B
L
G-W
⑮
R-B
16
9
· CLOCK
· RADIO AND TAPE PLAYER
· ROOM LAMP
4
5
DIAGNOSIS CONNECTOR C-35
B
B
3 D-21
2B
B
15
G-W
J/B C-86
16
2
2B
DOOR SWITCH (DRIVER'S SIDE) D-17
OFF
ON
OFF
ON
10
10
Remarks
*1:Vehicles with ETACS-ECU
C-88
C-90
C-91
C-92
D-17
D-21

8P15E06AB

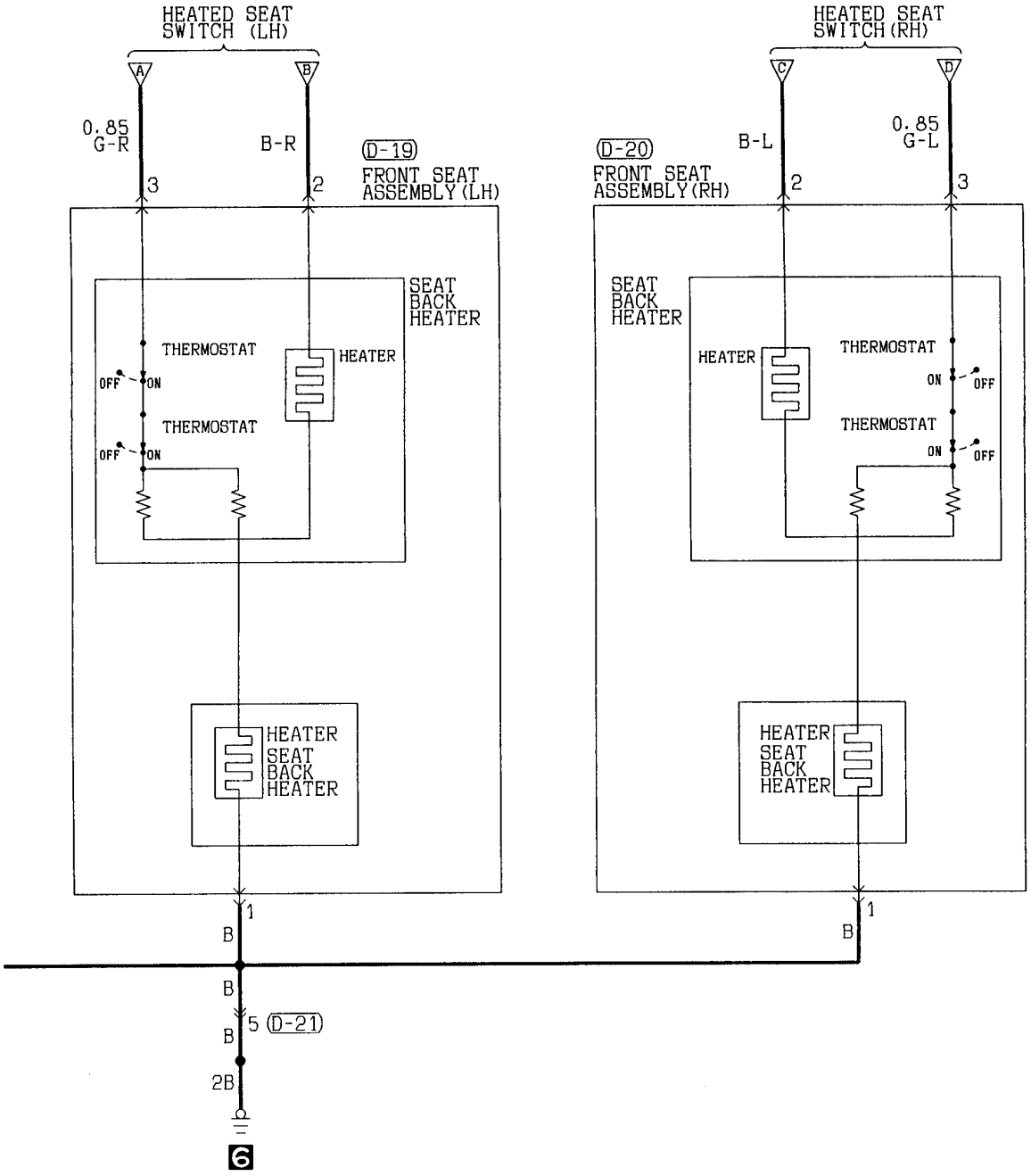
HEATED SEAT

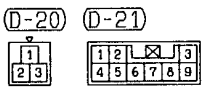
90101070041

1997 Models



HP15E13AA


HEATED SEAT SWITCH (LH)
HEATED SEAT SWITCH (RH)
A
B
C
D
0.85 G-R
B-R
B-L
0.85 G-L
3
2
2
3
D-19
FRONT SEAT ASSEMBLY (LH)
D-20
FRONT SEAT ASSEMBLY (RH)
SEAT BACK HEATER
SEAT BACK HEATER
THERMOSTAT
HEATER
OFF
ON
THERMOSTAT
OFF
ON
HEATER
THERMOSTAT
ON
OFF
THERMOSTAT
ON
OFF
HEATER SEAT BACK HEATER
HEATER SEAT BACK HEATER
1
1
B
B
B
5 D-21
2B
6

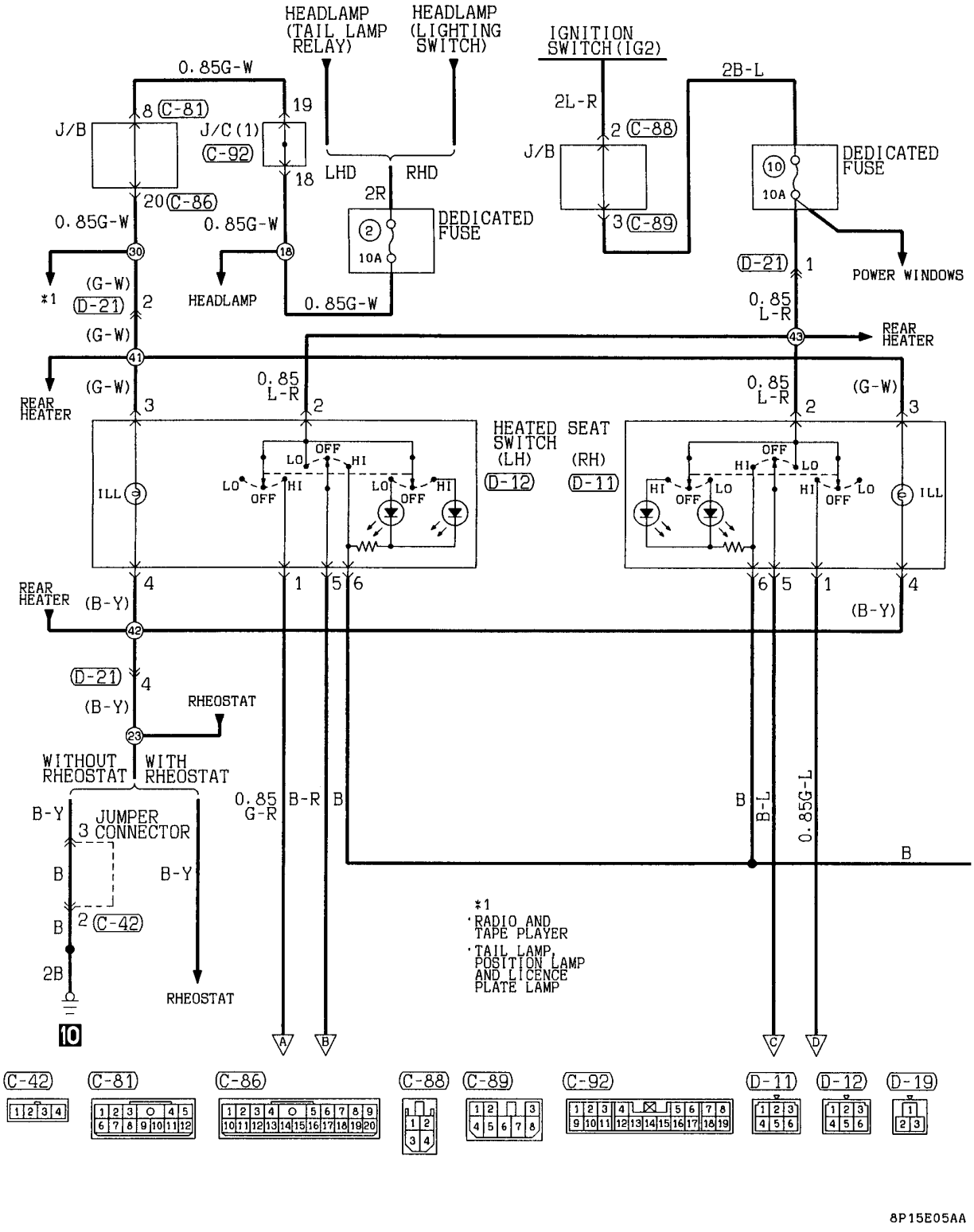

D-20
D-21
1
2 3
1 2 3
4 5 6 7 8 9

HP15E13AB

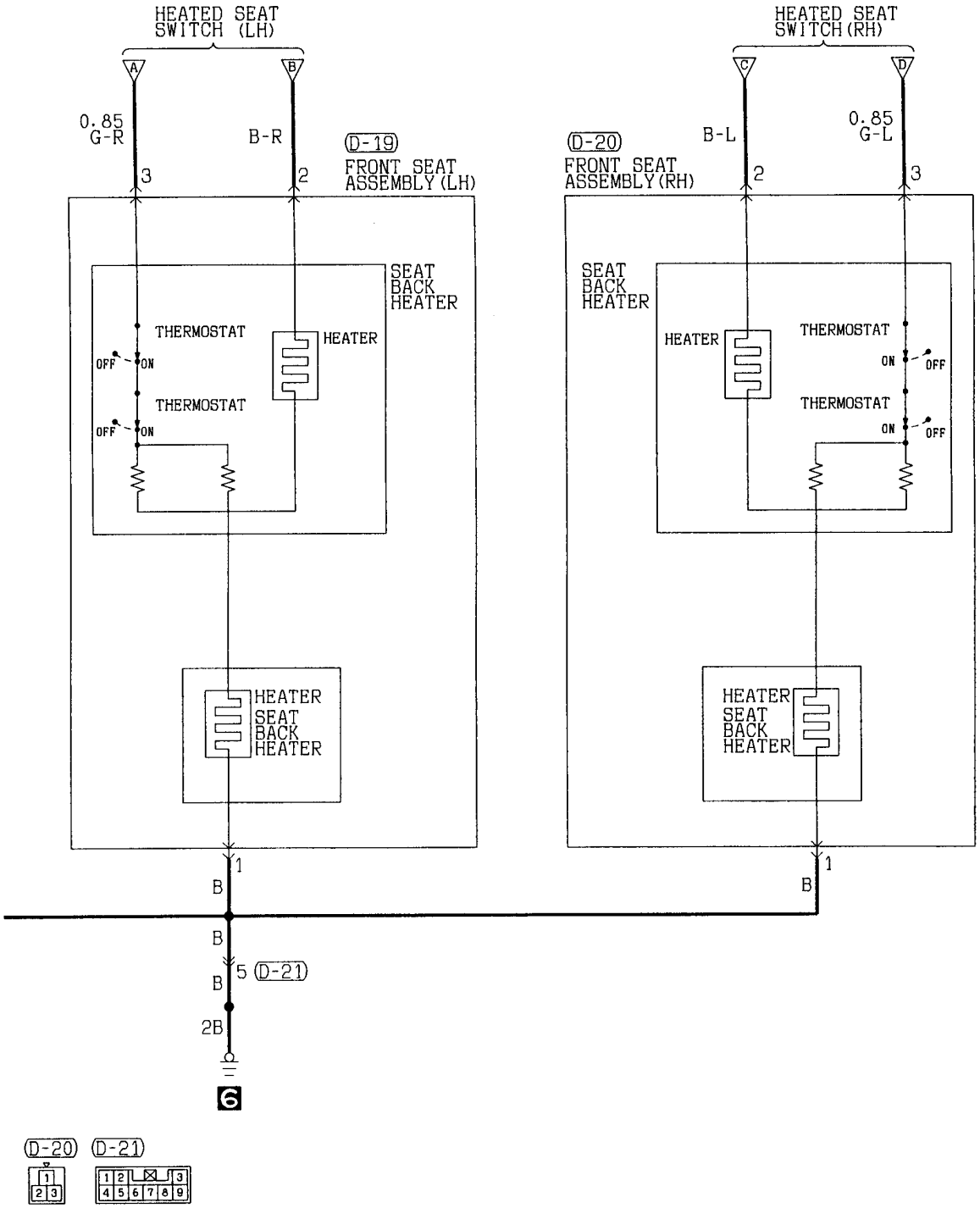
HEATED SEAT

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1998 Models



8P15E05AA

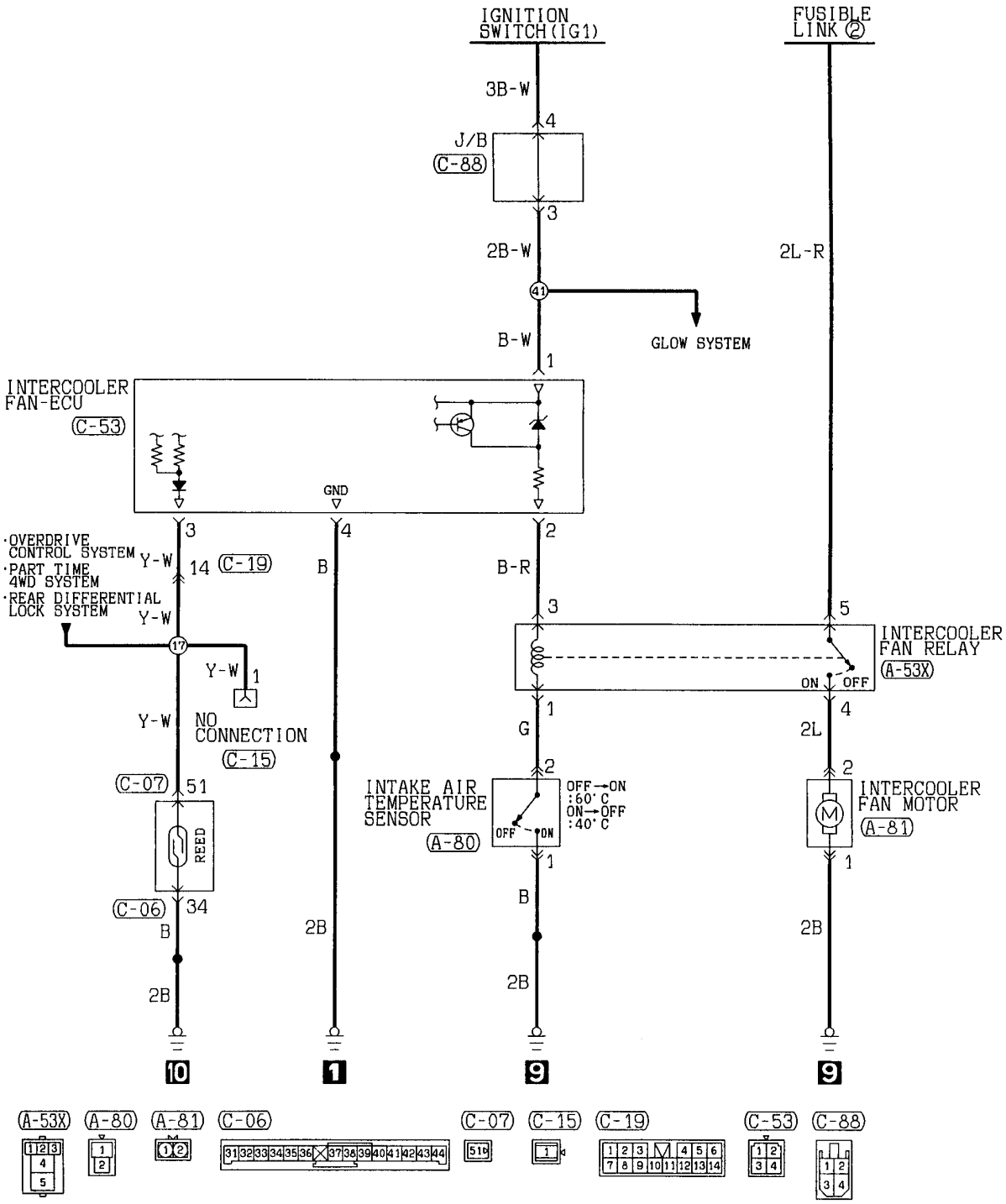

HEATED SEAT SWITCH (LH)
HEATED SEAT SWITCH (RH)
A
B
C
D
0.85 G-R
B-R
B-L
0.85 G-L
3
2
2
3
D-19
FRONT SEAT ASSEMBLY (LH)
D-20
FRONT SEAT ASSEMBLY (RH)
SEAT BACK HEATER
SEAT BACK HEATER
THERMOSTAT
HEATER
OFF
ON
THERMOSTAT
OFF
ON
HEATER
THERMOSTAT
ON
OFF
THERMOSTAT
ON
OFF
HEATER SEAT BACK HEATER
HEATER SEAT BACK HEATER
1
1
B
B
B
5 D-21
2B
6

D-20
D-21
1
2 3
1 2 3
4 5 6 7 8 9

8P15E05AB

INTERCOOLER FAN

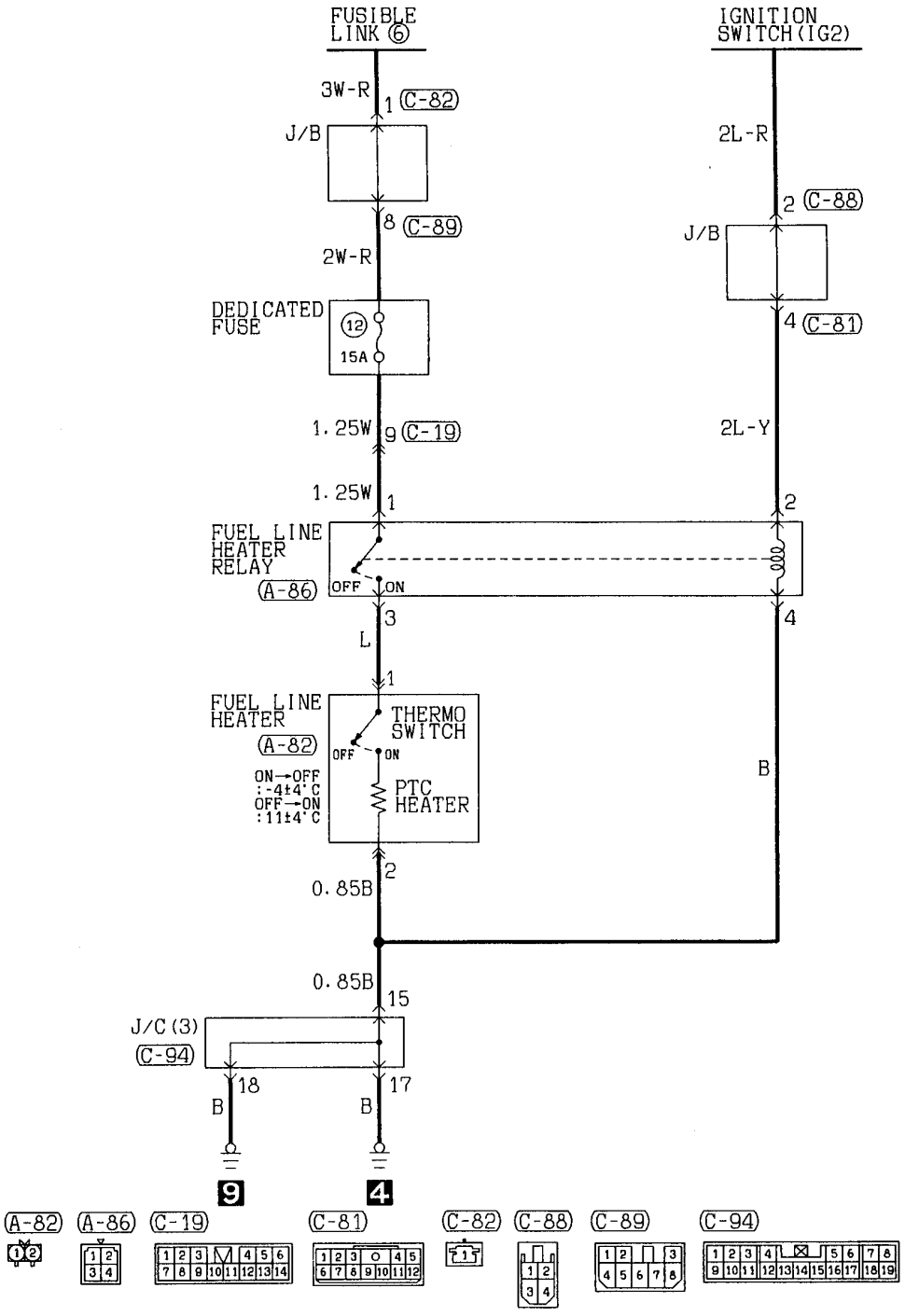
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HP15E14AA

FUEL LINE HEATER

90101480011



HP15E15AA

NOTES

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90109010090

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Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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A-79	Idle-up solenoid valve <ABS-M/T>	4-214, 218	2-10, 14
A-80	Intake air temperature switch	4-254	2-11, 14
A-81	Intercooler fan motor	4-254	2-11, 14
A-82	Fuel line heater	4-255	2-11
A-83	Water level switch	4-149	2-11, 14
A-84	Idle-up solenoid valve <A/C>	4-177, 181	2-11, 15

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
A-85	Vacuum switch	4-148	2-11, 15
A-86	Fuel line heater relay	4-255	2-11
A-87	Glow plug relay	4-48	2-11, 15
A-88	Glow plug relay	4-48	2-11, 15
A-89	Glow plug relay	4-48	2-11, 15
A-90	Fuel cut valve ECU	4-238, 240	2-11, 15
A-91	Fuel injection pump wiring harness and front wiring harness combination	4-48, 49, 144, 145	2-11, 15
A-92	Fuel cut solenoid valve	4-49	2-11, 15
A-93	Revolution pick-up sensor	4-145	2-11, 15
A-94	Lever (throttle) position switch <A/C-A/T>	4-179	2-11
A-95	Engine coolant temperature switch (for A/C compressor control)	4-177, 181	2-11, 15
A-96	Engine coolant temperature switch (for condenser fan control)	4-176, 180	2-11, 15
A-97	Engine coolant temperature sensor and gauge unit	4-49, 144	2-11, 15
A-98	Dim-dip lamp relay 3	4-96, 98	2-15
A-99	Dim-dip lamp relay 2	4-96, 98	2-15
A-100	Dim-dip lamp relay 1	4-96, 98	2-15
A-101	Dim-dip lamp resistor	4-96, 98	2-15

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
B-01	Inhibitor switch <A/T>	4-68, 72, 76, 80, 140	2-16
B-02	Back-up lamp switch <Diesel 4WD>	4-140	2-16
B-03	Oxygen sensor <MPI>	4-54, 62	2-16
B-04	4WD detection switch	4-219, 220, 222, 225, 227	2-16
B-05	High range/Low range detection switch	4-225, 227	2-16
B-06	Overdrive solenoid valve <A/T>	4-67, 71, 75, 79	2-16
B-07	Back-up lamp switch <Except diesel 4WD>	4-140	2-16

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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C-02	Body wiring harness and front wiring harness combination	4-212, 214, 215, 216, 218, 219	2-18, 24
C-03	Body wiring harness and roof wiring harness combination <with defogger> or no connection <without defogger>	4-190, 192, 194	2-18, 24
C-04	Combination meter	4-46, 47, 49, 50, 58, 75, 79, 112, 116, 120, 124, 144, 145, 148, 149, 193, 212, 216, 224, 226	2-18, 24
C-05	Combination meter	4-69, 73, 77, 81, 135, 137, 145, 212, 216	2-18, 24
C-06	Combination meter	4-46, 47, 49, 50, 56, 58, 64, 67, 69, 71, 73, 75, 77, 79, 81, 82, 86, 90, 92, 96, 98, 112, 116, 120, 124, 130, 131, 135, 137, 144, 145, 146, 148, 149, 193, 212, 216, 221, 223, 224, 226, 231, 233, 254	2-18, 24
C-07	Combination meter	4-56, 64, 67, 71, 75, 79, 145, 221, 223, 224, 226, 254	2-18, 24
C-08	Defogger switch or no connection	4-190, 192, 193, 194	2-18
C-09	Hazard switch	4-134, 136	2-18, 24
C-10	A/C switch	4-171, 175, 179	2-18, 24
C-11	Clock	4-209, 210	2-18, 24
C-12	Blower switch	4-169, 170, 174, 178	2-18, 24
C-13	Radio and tape player	4-202, 203, 204, 206, 208	2-18, 24
C-14	Cigarette lighter	4-211	2-18, 24
C-15	No connection (reed switch)	4-56, 64, 67, 71, 75, 79, 145, 221, 223, 224, 226, 254	2-18, 24
C-16	Body wiring harness and front door wiring harness (passenger's side) combination	4-193, 195, 196, 197, 198, 199	2-18, 24
C-17	Body wiring harness and front door wiring harness (passenger's side) combination	4-160, 162, 166	2-18, 24
C-18	Body wiring harness and front door wiring harness (passenger's side) combination	4-152, 156, 157	2-18, 24

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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C-19	Body wiring harness and front wiring harness combination <Diesel>	4-41, 48, 49, 76, 80, 144, 145, 148, 149, 208, 210, 224, 225, 226, 227, 238, 240, 254, 255	2-18, 24
C-20	Body wiring harness and front wiring harness combination	4-230, 231, 232, 233	2-19, 25
C-21	Rear differential lock-ECU	4-220, 222	2-19, 25
C-22	4WD indicator-ECU	4-224, 225, 226, 227	2-19, 25
C-23	Blower motor	4-169, 170, 174, 178	2-19, 25
C-24	Blower resistor	4-169, 170, 174, 178	2-19, 25
C-25	Ashtray illumination lamp	4-211	2-19, 25
C-26	G sensor <ABS>	4-219	2-19, 25
C-27	SRS diagnosis unit	4-230, 231, 232, 233	2-19, 25
C-28	SRS diagnosis unit	4-231, 233	2-19, 25
C-29	Overdrive switch	4-66, 70, 74, 78	2-19
C-30	Cigarette lighter	4-211	2-19, 25
C-31	Parking brake switch	4-148	2-19, 25
C-32	Headlamp leveling switch	4-127, 129	2-19, 25
C-33	Rear differential lock switch	4-220, 221, 222, 223	2-19, 25
C-34	Stop lamp switch	4-139, 212, 216	2-19, 25
C-35	Diagnosis connector	4-56, 64, 133, 153, 154, 158, 214, 218, 230, 232, 235, 237, 239, 241, 243, 245, 247, 249	2-19, 25
C-36	Immobilizer-ECU	4-56, 64, 234, 236, 238, 240	2-19, 25
C-37	Overdrive control relay	4-67, 71, 75, 79	2-19
C-38	Body wiring harness and front door wiring harness (driver's side) combination	4-152, 156	2-19, 25
C-39	Body wiring harness and front door wiring harness (driver's side) combination	4-160, 161, 162, 163, 166, 167	2-19, 25
C-40	Body wiring harness and front door wiring harness (driver's side) combination	4-193, 195, 196, 197, 198, 199	2-19, 25
C-41	Rear fog lamp switch	4-112, 116, 120, 124	2-20, 26

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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C-43	Body wiring harness and instrument panel wiring harness combination	4-202, 203, 205, 207, 208	2-20, 26
C-44	Body wiring harness and instrument panel wiring harness combination	4-151	2-20
C-45	Multi-meter	4-151	2-20
C-46	Thermostat	4-171, 175, 179	2-20, 26
C-47	Compressor-ECU	4-179	2-20
C-48	Diode (for ABS circuit)	4-212, 216	2-20, 26
C-49	Engine-ECU <Petrol>	4-43, 44, 50, 51, 52, 55, 56, 58, 59, 60, 62, 64, 172	2-20
C-49	Glow-ECU <Diesel>	4-48, 50	2-20, 26
C-50	Engine-ECU <Petrol>	4-43, 50, 54, 56, 58, 62, 64, 172, 234	2-20
C-51	Engine-ECU <Petrol> (1997 Model year)	4-43, 50, 51, 52, 53, 55, 56	2-20
C-51	Engine-ECU <Petrol> (1998 Model year)	4-44, 62, 63, 64, 236	2-20
C-52	Side turn signal lamp (RH)	4-135, 137	2-20, 26
C-53	Engine control relay <Petrol>	4-50, 58	2-20
C-53	Inter cooler fan-ECU <Diesel>	4-254	2-20, 26
C-54	Fuel pump relay <Petrol>	4-51, 59	2-20
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C-56	Thermostat wiring harness and body wiring harness combination	4-171, 175, 179	2-21, 26
C-57	Body wiring harness and transmission wiring harness combination	4-40, 41, 48, 53, 61, 67, 68, 71, 72, 75, 76, 79, 80, 140, 230	2-21
C-58	Body wiring harness and transmission wiring harness combination	4-219, 220, 222, 225, 227	2-21, 27
C-59	Body wiring harness and transmission wiring harness combination	4-140	2-21, 27
C-60	Front wiring harness and transmission wiring harness combination	4-54, 62	2-21
C-61	Side turn signal lamp (LH)	4-135, 137	2-21, 27
C-62	ABS-ECU	4-212, 213, 214, 215, 217, 218, 219	2-21, 27
C-63	Front speaker (LH)	4-202, 203, 205, 207, 208	2-21, 27

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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C-66	Diode (for dim-dip lamp circuit)	4-96, 98	2-27
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C-68	Column switch	4-143, 186, 187	2-22, 28
C-69	Column switch	4-30, 36, 84, 88, 91, 93, 97, 99, 100, 102, 104, 106, 111, 115, 119, 123, 135, 137, 189, 228, 229, 242, 244, 246, 248	2-22, 28
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C-71	Ignition key ring antenna	4-234, 236, 238, 240	2-22, 28
C-72	Key reminder switch	4-133	2-22, 28
C-73	Diode (for headlamp and rear fog lamp circuit)	4-84, 88, 91, 93, 97, 99, 110, 114, 119, 123	2-22, 28
C-74	Clock spring <SRS>	4-142	2-22, 28
C-75	Clock spring <SRS>	4-231, 233	2-22, 28
C-76	Air bag module (squib)	4-231, 233	2-22, 28
C-77	Horn switch	4-142	2-22, 28
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C-79	Body wiring harness and J/B combination	4-4, 5, 46, 47, 49, 50, 58, 66, 70, 74, 75, 78, 79, 112, 116, 120, 124, 130, 131, 133, 134, 135, 136, 137, 144, 148, 151, 153, 154, 158, 190, 193, 194, 196, 197, 198, 199, 202, 203, 204, 206, 208, 209, 210, 211, 212, 216, 220, 221, 222, 223, 224, 226, 230, 231, 232, 233, 235, 237, 239, 241, 243, 245, 247, 249	2-23, 29
C-80	Roof wiring harness and J/B combination	4-4, 5, 130, 131	2-23, 29

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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C-82	Front wiring harness and J/B combination	4-4, 5, 20, 26, 32, 38, 139, 152, 156, 169, 170, 174, 178, 182, 190, 192, 194, 212, 216, 255	2-23, 29
C-83	Blower relay	4-4, 5, 169, 170, 174, 178	2-23, 29
C-84	Defogger relay	4-4, 5, 26, 38, 190, 194	2-23, 29
C-85	Turn signal and hazard warning flasher unit	4-4, 5, 134, 136	2-23, 29
C-86	Body wiring harness and J/B combination	4-4, 5, 56, 64, 66, 68, 70, 72, 74, 76, 78, 80, 84, 88, 91, 93, 97, 99, 101, 103, 105, 107, 110, 114, 118, 122, 127, 129, 133, 134, 135, 136, 137, 140, 148, 151, 153, 154, 158, 169, 170, 174, 178, 182, 186, 187, 189, 192, 202, 203, 204, 206, 208, 209, 210, 211, 212, 214, 215, 218, 221, 223, 224, 226, 230, 231, 232, 233, 235, 237, 239, 241, 243, 244, 245, 247, 249, 250, 252	2-23, 29
C-87	Body wiring harness and J/B combination	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
C-88	Front wiring harness and J/B combination	4-4, 5, 20, 21, 26, 27, 32, 33, 38, 39, 43, 44, 46, 47, 49, 50, 51, 58, 59, 66, 68, 70, 72, 74, 75, 76, 78, 79, 80, 82, 83, 86, 87, 96, 98, 133, 134, 136, 140, 142, 143, 144, 148, 151, 152, 157, 160, 162, 166, 169, 170, 174, 178, 182, 186, 187, 189, 190, 192, 193, 194, 196, 197, 198, 199, 202, 203, 204, 206, 208, 209, 210, 211, 212, 215, 216, 221, 223, 224, 226, 231, 233, 235, 237, 238, 240, 243, 245, 247, 249, 250, 252, 254, 255	2-23, 29

Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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C-90	ETACS-ECU	4-133, 152, 153, 154, 157, 158, 243, 245, 247, 249	2-23, 29
C-91	ETACS-ECU or buzzer-ECU	4-4, 5, 133, 152, 153, 154, 156, 158, 243, 245, 247, 249	2-23, 29
C-92	J/C (1)	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
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-97	Engine-ECU <Petrol>	4-58, 59, 60, 61, 63, 64	2-21
C-98X	Rear heater relay	4-18, 182	2-23
C-99X	Defogger timer	4-18, 192	2-23, 29

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
D-10	Defogger (+)	4-190, 192, 194	2-30, 31, 32, 33
D-11	Heated seat switch (RH)	4-250, 252	2-30, 31, 32, 33
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
D-21	Body wiring harness and floor wiring harness combination	4-130, 131, 133, 148, 182, 183, 184, 243, 245, 247, 249, 250, 251, 252, 253	2-30, 31, 32, 33
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D-24	Rear heater switch	4-183, 184	2-33
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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
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Connector No.	Parts name	Circuit diagram page	Wiring diagram page
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F-05	Frame wiring harness and rear body wiring harness combination	4-101, 103, 105, 107, 112, 116, 120, 124, 135, 137, 139, 140	2-36
F-06	Rear combination lamp (RH) <with cargo bed>	4-101, 103, 105, 107, 135, 137, 139, 140	2-36
F-07	Rear combination lamp (RH) <without 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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F-13	Rear combination lamp (LH) <with cargo bed>	4-101, 103, 105, 107, 135, 137, 139, 140	2-36
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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ABS hydraulic unit	A-09	4-213, 217	2-4, 8, 12
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Parts name	Connector No.	Circuit diagram page	Wiring diagram page
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Body wiring harness and floor wiring harness combination	D-22	4-156, 163, 164, 167, 168, 182, 183, 184, 205, 207	2-30, 31, 32, 33
Body wiring harness and frame wiring harness combination	D-01	4-212, 214, 215, 218	2-30, 31, 32, 33
Body wiring harness and frame wiring harness combination	D-02	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
Body wiring harness and front door wiring harness (driver's side) combination	C-38	4-152, 156	2-19, 25
Body wiring harness and front door wiring harness (driver's side) combination	C-39	4-160, 161, 162, 163, 166, 167	2-19, 25
Body wiring harness and front door wiring harness (driver's side) combination	C-40	4-193, 195, 196, 197, 198, 199	2-19, 25
Body wiring harness and front door wiring harness (passenger's side) combination	C-16	4-193, 195, 196, 197, 198, 199	2-18, 24
Body wiring harness and front door wiring harness (passenger's side) combination	C-17	4-160, 162, 166	2-18, 24
Body wiring harness and front door wiring harness (passenger's side) combination	C-18	4-152, 156, 157	2-18, 24
Body wiring harness and front wiring harness combination	C-01	4-19, 25, 31, 37, 46, 47, 49, 53, 61, 67, 68, 71, 72, 76, 80, 82, 86, 90, 92, 96, 98, 101, 103, 105, 107, 112, 116, 120, 124, 127, 129, 134, 135, 136, 137, 142, 143, 148, 151, 160, 162, 166, 172, 177, 179, 181, 186, 187, 193, 202, 203, 204, 206, 208, 209, 210	2-18, 24
Body wiring harness and front wiring harness combination	C-02	4-212, 214, 215, 216, 218, 219	2-18, 24
Body wiring harness and front wiring harness combination	C-20	4-230, 231, 232, 233	2-19, 25
Body wiring harness and front wiring harness combination <Diesel>	C-19	4-41, 48, 49, 76, 80, 144, 145, 148, 149, 208, 210, 224, 225, 226, 227, 238, 240, 254, 255	2-18, 24
Body wiring harness and front wiring harness combination <Petrol>	C-19	4-40, 43, 44, 50, 51, 52, 53, 56, 58, 59, 60, 61, 64, 68, 72, 144, 145, 148, 149, 224, 225, 226, 227, 234, 236	2-18
Body wiring harness and instrument panel wiring harness combination	C-43	4-202, 203, 205, 207, 208	2-20, 26

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Body wiring harness and instrument panel wiring harness combination	C-44	4-151	2-20
Body wiring harness and J/B combination	C-79	4-4, 5, 46, 47, 49, 50, 58, 66, 70, 74, 75, 78, 79, 112, 116, 120, 124, 130, 131, 133, 134, 135, 136, 137, 144, 148, 151, 153, 154, 158, 190, 193, 194, 196, 197, 198, 199, 202, 203, 204, 206, 208, 209, 210, 211, 212, 216, 220, 221, 222, 223, 224, 226, 230, 231, 232, 233, 235, 237, 239, 241, 243, 245, 247, 249	2-23, 29
Body wiring harness and J/B combination	C-86	4-4, 5, 56, 64, 66, 68, 70, 72, 74, 76, 78, 80, 84, 88, 91, 93, 97, 99, 101, 103, 105, 107, 110, 114, 118, 122, 127, 129, 133, 134, 135, 136, 137, 140, 148, 151, 153, 154, 158, 169, 170, 174, 178, 182, 186, 187, 189, 192, 202, 203, 204, 206, 208, 209, 210, 211, 212, 214, 215, 218, 221, 223, 224, 226, 230, 231, 232, 233, 235, 237, 239, 241, 243, 244, 245, 247, 249, 250, 252	2-23, 29
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
Body wiring harness and J/B combination	C-89	4-4, 5, 20, 21, 26, 27, 32, 33, 38, 39, 66, 70, 74, 78, 82, 86, 139, 142, 143, 160, 162, 166, 169, 170, 174, 178, 182, 190, 192, 194, 212, 216, 250, 252, 255	2-23, 29
Body wiring harness and roof wiring harness combination <with defogger> or no connection <without defogger>	C-03	4-190, 192, 194	2-18, 24
Body wiring harness and transmission wiring harness combination	C-57	4-40, 41, 48, 53, 61, 67, 68, 71, 72, 75, 76, 79, 80, 140, 230	2-21
Body wiring harness and transmission wiring harness combination	C-58	4-219, 220, 222, 225, 227	2-21, 27
Body wiring harness and transmission wiring harness combination	C-59	4-140	2-21, 27
Brake fluid level sensor	A-06	4-148	2-4, 8, 12

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Capacitor	A-71	4-43, 44, 51, 59	2-7
Capacitor <A/C>	A-66	4-172, 176, 180	2-7, 10, 14
Cigarette lighter	C-14	4-211	2-18, 24
Cigarette lighter	C-30	4-211	2-19, 25
Clock	C-11	4-209, 210	2-18, 24
Clock spring <SRS>	C-74	4-142	2-22, 28
Clock spring <SRS>	C-75	4-231, 233	2-22, 28
Column switch	C-67	4-84, 88, 91, 93, 97, 99, 110, 114, 118, 122, 189	2-22, 28
Column switch	C-68	4-143, 186, 187	2-22, 28
Column switch	C-69	4-30, 36, 84, 88, 91, 93, 97, 99, 100, 102, 104, 106, 111, 115, 119, 123, 135, 137, 189, 228, 229, 242, 244, 246, 248	2-22, 28
Combination meter	C-04	4-46, 47, 49, 50, 58, 75, 79, 112, 116, 120, 124, 144, 145, 148, 149, 193, 212, 216, 224, 226	2-18, 24
Combination meter	C-05	4-69, 73, 77, 81, 135, 137, 145, 212, 216	2-18, 24
Combination meter	C-06	4-46, 47, 49, 50, 56, 58, 64, 67, 69, 71, 73, 75, 77, 79, 81, 82, 86, 90, 92, 96, 98, 112, 116, 120, 124, 130, 131, 135, 137, 144, 145, 146, 148, 149, 193, 212, 216, 221, 223, 224, 226, 231, 233, 254	2-18, 24
Combination meter	C-07	4-56, 64, 67, 71, 75, 79, 145, 221, 223, 224, 226, 254	2-18, 24
Compressor-ECU	C-47	4-179	2-20
Condenser fan control relay	A-60X	4-13, 176, 180	2-10, 14
Condenser fan motor <A/C>	A-69	4-172, 176, 180	2-7, 10, 14
Condenser fan relay	A-59X	4-13, 172, 176, 180	2-6, 10, 14

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Defogger (+)	D-10	4-190, 192, 194	2-30, 31, 32, 33
Defogger (-)	D-08	4-190, 192, 194	2-30, 31, 32, 33
Defogger relay	C-84	4-4, 5, 26, 38, 190, 194	2-23, 29
Defogger relay <Vehicles with defogger timer>	C-96	4-44, 192	2-21, 27
Defogger switch or no connection	C-08	4-190, 192, 193, 194	2-18

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Defogger timer	C-99X	4-18, 192	2-23, 29
Diagnosis connector	C-35	4-56, 64, 133, 153, 154, 158, 214, 218, 230, 232, 235, 237, 239, 241, 243, 245, 247, 249	2-19, 25
Dim-dip lamp relay 1	A-100	4-96, 98	2-15
Dim-dip lamp relay 2	A-99	4-96, 98	2-15
Dim-dip lamp relay 3	A-98	4-96, 98	2-15
Dim-dip lamp resistor	A-101	4-96, 98	2-15
Diode (for ABS circuit)	C-48	4-212, 216	2-20, 26
Diode (for dim-dip lamp circuit)	C-65	4-97, 99, 118, 122	2-27
Diode (for dim-dip lamp circuit)	C-66	4-96, 98	2-27
Diode (for headlamp and rear fog lamp circuit)	C-73	4-84, 88, 91, 93, 97, 99, 110, 114, 119, 123	2-22, 28
Distributor assembly	A-72	4-43, 44, 52, 60	2-7
Door lock actuator (driver's side)	E-09	4-152, 156	2-34, 35
Door lock actuator (front passenger's side)	E-20	4-152, 156	2-34, 35
Door lock actuator (rear: LH)	E-05	4-156	2-35
Door lock actuator (rear: RH)	E-16	4-157	2-35
Door lock key cylinder switch	E-14	4-152	2-34, 35
DRL relay 1	A-12	4-83, 87	2-4, 8
DRL relay 2	A-11	4-82, 86	2-4, 8
DRL wiring harness or front wiring harness and front wiring harness combination	A-16	4-82, 83, 86, 87, 100, 102, 110, 111, 114, 115, 209, 228, 229, 242, 244	2-4, 8
DRL wiring harness or front wiring harness and front wiring harness combination	A-19	4-83, 84, 87, 88, 90, 91, 92, 93, 100, 102, 110, 111, 114, 115, 209, 228, 229, 242, 244	2-5, 8
DRL-ECU	A-10	4-83, 87, 100, 102, 110, 111, 114, 115, 209, 228, 229, 242, 244	2-4, 8
Dual pressure switch <A/C>	A-67	4-172, 177, 181	2-7, 10, 14

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
EGR solenoid valve	A-49	4-54, 62	2-6
Engine control relay <Petrol>	C-53	4-50, 58	2-20
Engine coolant temperature gauge unit	A-44	4-144	2-6
Engine coolant temperature sensor	A-64	4-55, 63	2-7

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Engine coolant temperature sensor and gauge unit	A-97	4-49, 144	2-11, 15
Engine coolant temperature switch (for A/C compressor control)	A-95	4-177, 181	2-11, 15
Engine coolant temperature switch (for condenser fan control)	A-96	4-176, 180	2-11, 15
Engine coolant temperature switch <A/T>	A-43	4-67, 71	2-6
Engine-ECU <Petrol>	C-49	4-43, 44, 50, 51, 52, 55, 56, 58, 59, 60, 62, 64, 172	2-20
Engine-ECU <Petrol>	C-50	4-43, 50, 54, 56, 58, 62, 64, 172, 234	2-20
Engine-ECU <Petrol>	C-97	4-58, 59, 60, 61, 63, 64	2-21
Engine-ECU <Petrol> (1997 Model year)	C-51	4-43, 50, 51, 52, 53, 55, 56	2-20
Engine-ECU <Petrol> (1998 Model year)	C-51	4-44, 62, 63, 64, 236	2-20
ETACS-ECU	C-90	4-133, 152, 153, 154, 157, 158, 243, 245, 247, 249	2-23, 29
ETACS-ECU or buzzer-ECU	C-91	4-4, 5, 133, 152, 153, 154, 156, 158, 243, 245, 247, 249	2-23, 29

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Floor wiring harness and rear door wiring harness (LH) combination	D-15	4-156, 205, 207	2-33
Floor wiring harness and rear door wiring harness (LH) combination	D-16	4-164, 168	2-33
Floor wiring harness and rear door wiring harness (RH) combination	D-04	4-164, 168	2-33
Frame wiring harness and position wiring harness combination	F-02	4-221, 223	2-36
Frame wiring harness and rear body wiring harness combination	F-05	4-101, 103, 105, 107, 112, 116, 120, 124, 135, 137, 139, 140	2-36
Free-wheeling hub engage switch <4WD>	A-02	4-219, 224, 226	2-4, 8, 12
Front combination lamp (LH)	A-24	4-100, 102, 104, 106, 135, 137	2-5, 9, 13
Front combination lamp (RH)	A-31	4-100, 102, 104, 106, 135, 137	2-5, 9, 13
Front door switch (driver's side)	D-17	4-130, 131, 133, 243, 245, 247	2-30, 31, 32, 33
Front door switch (passenger's side)	D-03	4-130, 131	2-30, 31, 32, 33
Front impact sensor (LH) <SRS>	A-27	4-231, 233	2-5, 9, 13
Front impact sensor (RH) <SRS>	A-29	4-231, 233	2-5, 9, 13
Front seat assembly (LH)	D-19	4-251, 253	2-30, 31, 32, 33

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Front seat assembly (RH)	D-20	4-251, 253	2-30, 31, 32, 33
Front speaker (LH)	C-63	4-202, 203, 205, 207, 208	2-21, 27
Front speaker (RH)	C-55	4-202, 203, 205, 207, 208	2-21, 26
Front wiring harness and J/B combination	C-81	4-4, 5, 21, 27, 33, 39, 46, 47, 50, 58, 66, 70, 74, 78, 83, 84, 87, 88, 91, 93, 97, 98, 99, 101, 103, 105, 107, 110, 112, 114, 116, 118, 120, 122, 124, 127, 129, 130, 131, 133, 134, 135, 136, 137, 146, 148, 151, 153, 154, 156, 158, 169, 170, 174, 178, 182, 186, 187, 189, 190, 193, 194, 202, 203, 204, 206, 208, 209, 210, 211, 212, 216, 220, 222, 228, 229, 230, 232, 235, 237, 239, 241, 243, 244, 245, 247, 249, 250, 252, 255	2-23, 29
Front wiring harness and J/B combination	C-82	4-4, 5, 20, 26, 32, 38, 139, 152, 156, 169, 170, 174, 178, 182, 190, 192, 194, 212, 216, 255	2-23, 29
Front wiring harness and J/B combination	C-88	4-4, 5, 20, 21, 26, 27, 32, 33, 38, 39, 43, 44, 46, 47, 49, 50, 51, 58, 59, 66, 68, 70, 72, 74, 75, 76, 78, 79, 80, 82, 83, 86, 87, 96, 98, 133, 134, 136, 140, 142, 143, 144, 148, 151, 152, 157, 160, 162, 166, 169, 170, 174, 178, 182, 186, 187, 189, 190, 192, 193, 194, 196, 197, 198, 199, 202, 203, 204, 206, 208, 209, 210, 211, 212, 215, 216, 221, 223, 224, 226, 231, 233, 235, 237, 238, 240, 243, 245, 247, 249, 250, 252, 254, 255	2-23, 29
Front wiring harness and rear door wiring harness (RH) combination	D-05	4-157, 205	2-33
Front wiring harness and transmission wiring harness combination	C-60	4-54, 62	2-21
Fuel cut solenoid valve	A-92	4-49	2-11, 15
Fuel cut valve ECU	A-90	4-238, 240	2-11, 15
Fuel gauge unit	F-15	4-144, 148	2-36
Fuel injection pump wiring harness and front wiring harness combination	A-91	4-48, 49, 144, 145	2-11, 15
Fuel line heater	A-82	4-255	2-11
Fuel line heater relay	A-86	4-255	2-11
Fuel pump	F-17	4-51, 59	2-36

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
Fuel pump check connector	A-41	4-51, 59	2-6
Fuel pump relay <Petrol>	C-54	4-51, 59	2-20

Parts name	Connector No.	Circuit diagram page	Wiring diagram page
G sensor <ABS>	C-26	4-219	2-19, 25
Glow plug	A-78	4-48	2-10, 14
Glow plug relay	A-87	4-48	2-11, 15
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
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