

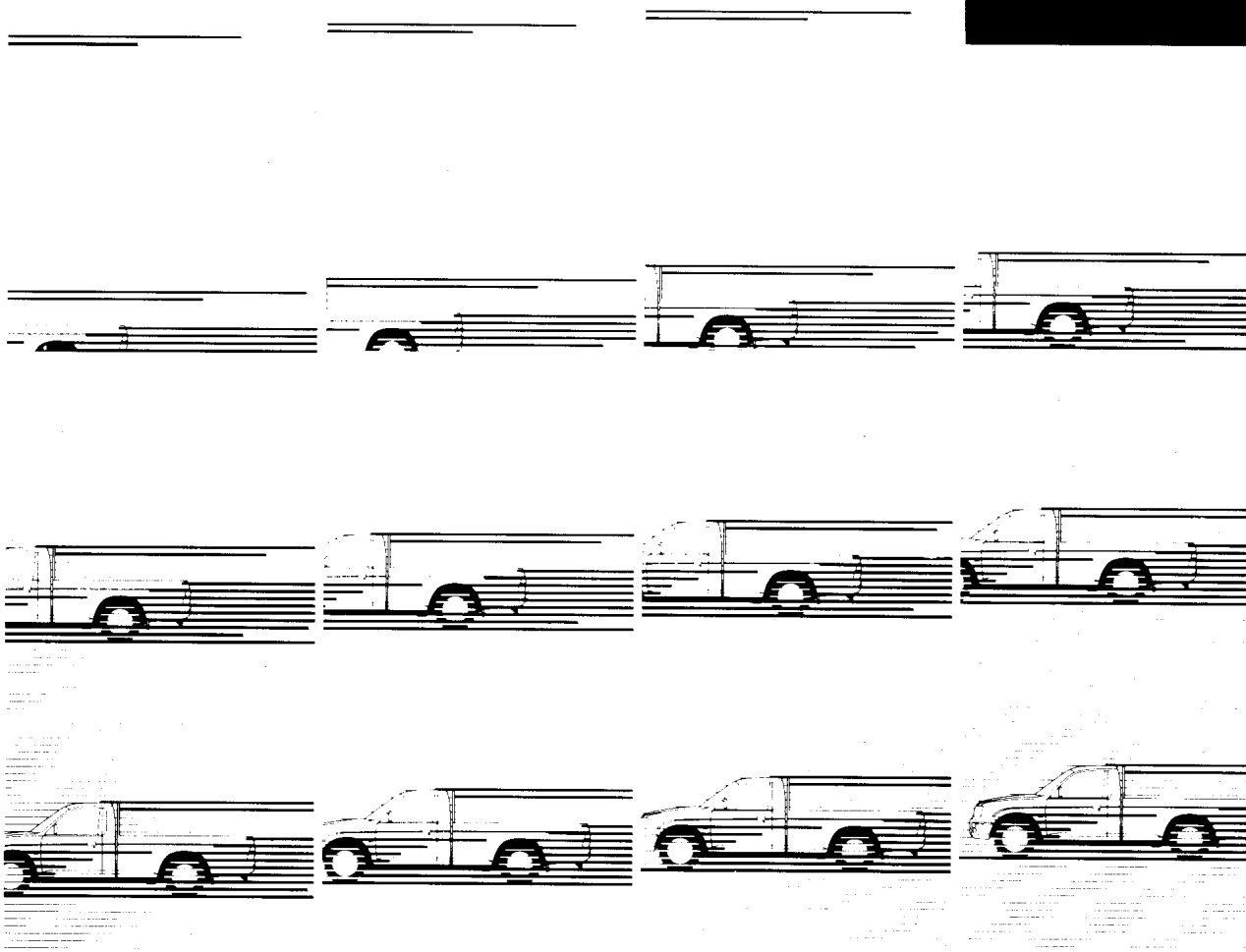
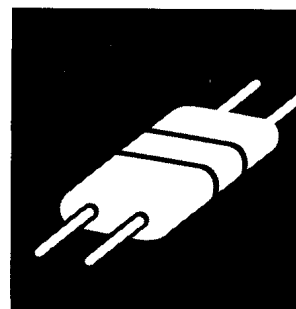


Workshop Manual

electrical wiring

SUPPLEMENT

L200 2001



L200

ELECTRICAL WIRING SUPPLEMENT

FOREWORD

This publication is a supplement to the Electrical Wiring Manual Pub. No. PHTE96E1-B and contains only additions and changes to the original issue. It is recommended that all service mechanics engaged in the servicing of the vehicle refer to the following publications as well as this manual.

TECHNICAL INFORMATION MANUAL
PYTE96E1

WORKSHOP MANUAL
CHASSIS GROUP

PWTE96E1 (Basic)
PWTE96E1-B
PWTE96E1-C (Supplement)
PWTE96E1-D (Supplement)

BODY REPAIR MANUAL
PBTE96E1 (Basic)

ENGINE GROUP
PWEE□□□□
(Looseleaf edition)

ELECTRICAL WIRING
PHTE96E1-B (Basic)
PHTE96E1-C (Supplement)
PHTE96E1-D (Supplement)

PARTS CATALOGUE
T603B00□D□

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

GROUP INDEX

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 **MITSUBISHI MOTORS CORPORATION**

WIRING HARNESS CONFIGURATION DIAGRAMS

Connector symbol	Name		Reference page	Description of changes
C	DASH PANEL	L.H. drive vehicles	2-2	- Following connectors have been added. - Keyless entry receiver-ECU (C-108) - Hazard warning relay <Vehicles with keyless entry system> (C-109X) - ETACS-ECU <Vehicles with keyless entry system> (C-110) - The ETACS-ECU (C-90) has been renamed ETACS-ECU <Vehicles without keyless entry system> (C-90).
		R.H. drive vehicles	2-8	

SINGLE PART INSTALLATION POSITION

Location of changes	Reference page	Description of changes
RELAY	3-2	Hazard warning relay has been added.
ECU	3-2	Keyless entry receiver-ECU has been added.

CIRCUIT DIAGRAM

Main title	Sub title	Reference page	Description of changes
CENTRAL DOOR LOCKING SYSTEM	Vehicles with keyless entry system	4-2	Along with addition of a keyless entry system, the new circuit has been set.

TABLE OF CIRCUIT DIAGRAMS

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

NOTE

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

Main circuit	Circuit classifications	Previous manual: Pub. No. PHTe96E1-B (Basic)	Previous manual: Pub. No. PHTe96E1-C (Supplement)	Previous manual: Pub. No. PHTe96E1-D (Supplement)	This manual: Pub. No. PHTe96E1-E (Supplement)
JUNCTION BLOCK (J/B)	–	I	P	P	P
JOINT CONNECTOR (J/C)	–	I	R	R	P
CENTRALIZED JUNCTION	–	I	R	R	P
POWER DISTRIBUTION SYSTEM	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
STARTING SYSTEM	Petrol-powered vehicles	I	P	P	P
	Diesel-powered vehicles	I	P	R	P
IGNITION SYSTEM	–	I	P	P	P
CHARGING SYSTEM	Petrol-powered vehicles	I	P	P	P
	Diesel-powered vehicles	I	P	P	P
GLOW SYSTEM	–	I	R	R	P
MPI SYSTEM	–	I	R	R	P
OVERDRIVE CONTROL SYSTEM	4G63	I	R	R	P
	4D56	I	R	R	P
HEADLAMP	L.H. drive vehicles with daytime running lamp	I	P	P	P
	L.H. drive vehicles without daytime running lamp	I	P	P	P
	R.H. drive vehicles	I	P	P	P
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
REAR FOG LAMP	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
HEADLAMP LEVELING SYSTEM	–	I	P	R	P
GLOVE BOX LAMP	–	N	N	A	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHTE96E1-B (Basic)	Previous manual: Pub. No. PHTE96E1-C (Supplement)	Previous manual: Pub. No. PHTE96E1-D (Supplement)	This manual: Pub. No. PHTE96E1-E (Supplement)
ROOM LAMP	Except double cab	I	R	P	P
	Double cab	I	R	P	P
IGNITION KEY CYLINDER ILLUMINATION LAMP	–	I	P	P	P
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	–	I	P	P	P
STOP LAMP	–	I	P	P	P
BACK-UP LAMP	–	I	P	P	P
HORN	Vehicles with SRS	I	P	P	P
	Vehicles without SRS	I	P	P	P
METER AND GAUGE	–	I	P	R	P
BRAKE WARNING LAMP	–	I	P	R	P
FUEL WARNING LAMP	Vehicles without SRS	I	P	R	P
OIL PRESSURE WARNING LAMP	–	I	P	R	P
FUEL FILTER WARNING LAMP	Diesel-powered vehicles	I	P	R	P
MULTI-METER	–	I	P	P	P
CENTRAL DOOR LOCKING SYSTEM	Vehicles without keyless entry system <Except double cab>*	I	R	P	P
	Vehicles without keyless entry system <Double cab>*	I	R	P	P
	Vehicles with keyless entry system	N	N	N	A
POWER WINDOWS	Except double cab	I	P	P	P
	Double cab	I	R	P	P
HEATER	–	I	P	P	P
AIR CONDITIONER	Petrol-powered vehicles	I	P	P	P
	Diesel-powered vehicles with M/T	I	R	P	P
	Diesel-powered vehicles with A/T	I	P	P	P
REAR HEATER	–	I	P	P	P
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
HEADLAMP WASHER	–	I	P	R	P
DEFOGGER	–	I	D	N	N
DEFOGGER AND DOOR MIRROR HEATER	Vehicles with defogger timer	I	R	P	P
	Vehicles without defogger timer	I	R	P	P

Main circuit	Circuit classifications	Previous manual: Pub. No. PHTe96E1-B (Basic)	Previous manual: Pub. No. PHTe96E1-C (Supplement)	Previous manual: Pub. No. PHTe96E1-D (Supplement)	This manual: Pub. No. PHTe96E1-E (Supplement)
REMOTE CONTROLLED MIRROR	L.H. drive vehicles	I	D	N	N
	R.H. drive vehicles	I	D	N	N
	L.H. drive vehicles with the remote controlled mirror switch installed in instrument panel	N	A	P	P
	L.H. drive vehicles with the remote controlled mirror switch installed in door	N	A	P	P
	R.H. drive vehicles with the remote controlled mirror switch installed in instrument panel	N	A	P	P
	R.H. drive vehicles with the remote controlled mirror switch installed in door	N	A	P	P
RADIO AND TAPE PALYER	L.H. drive vehicles with single cab and club cab	I	P	R	P
	L.H. drive vehicles with double cab	I	P	P	P
	R.H. drive vehicles	I	P	D	N
	R.H. drive vehicles with single cab	N	N	A	P
	R.H. drive vehicles with double cab	N	N	A	P
CLOCK	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	R	P
CIGARETTE LIGHTER	–	I	P	P	P
ANTI-SKID BRAKING SYSTEM	2WD	I	R	R	P
	4WD	I	R	R	P
REAR DIFFERENTIAL LOCK SYSTEM	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
PART TIME 4WD	–	I	P	R	P
RHEOSTAT	–	I	P	P	P
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	Petrol-powered vehicles	I	D	N	N
	Diesel-powered vehicles	I	D	N	N
	–	N	A	R	P
IMMOBILIZER SYSTEM	Petrol-powered vehicles	I	P	R	P
	Diesel-powered vehicles	I	P	R	P
LIGHTING MONITOR BUZZER	L.H. drive vehicles	I	P	P	P
	R.H. drive vehicles	I	P	P	P
HEATED SEAT	–	I	P	P	P
INTERCOOLER FAN	–	I	P	R	P
FUEL LINE HEATER	–	I	P	R	P

WIRING HARNESS CONFIGURATION DIAGRAMS

CONTENTS

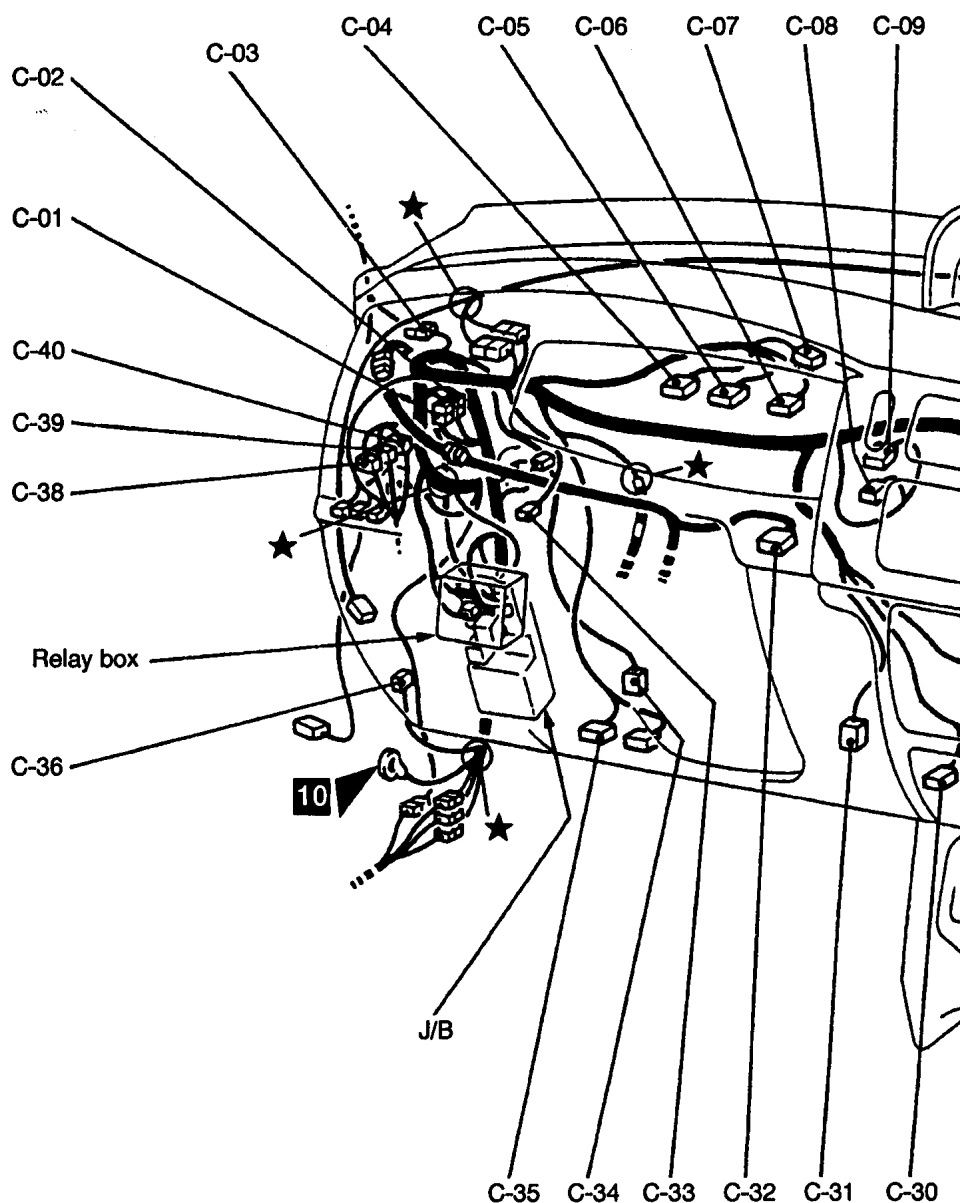
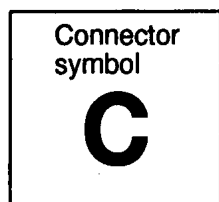
DASH PANEL

L.H. drive vehicles 2-2

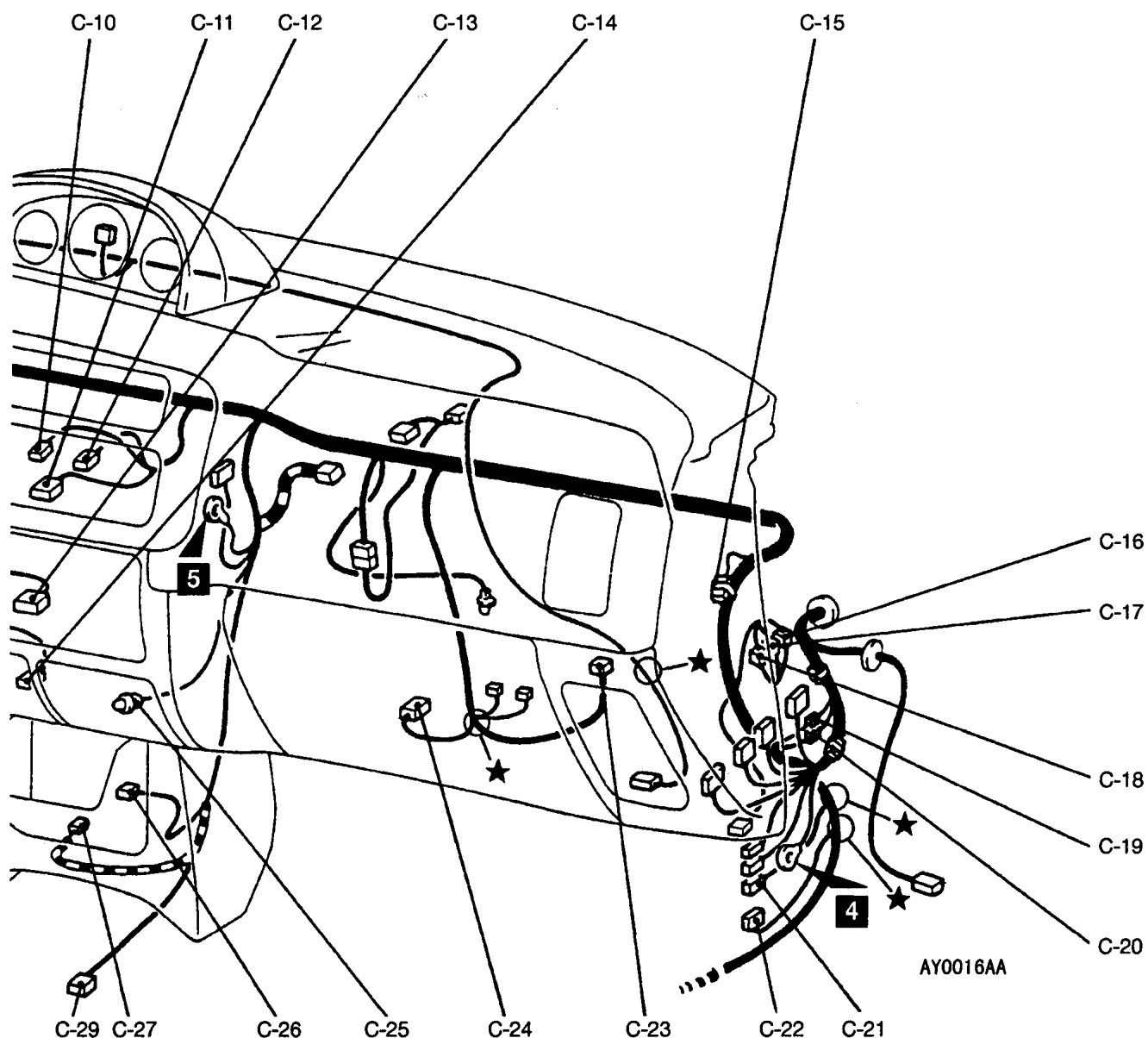
R.H. drive vehicles 2-8

DASH PANEL

L.H. drive vehicles



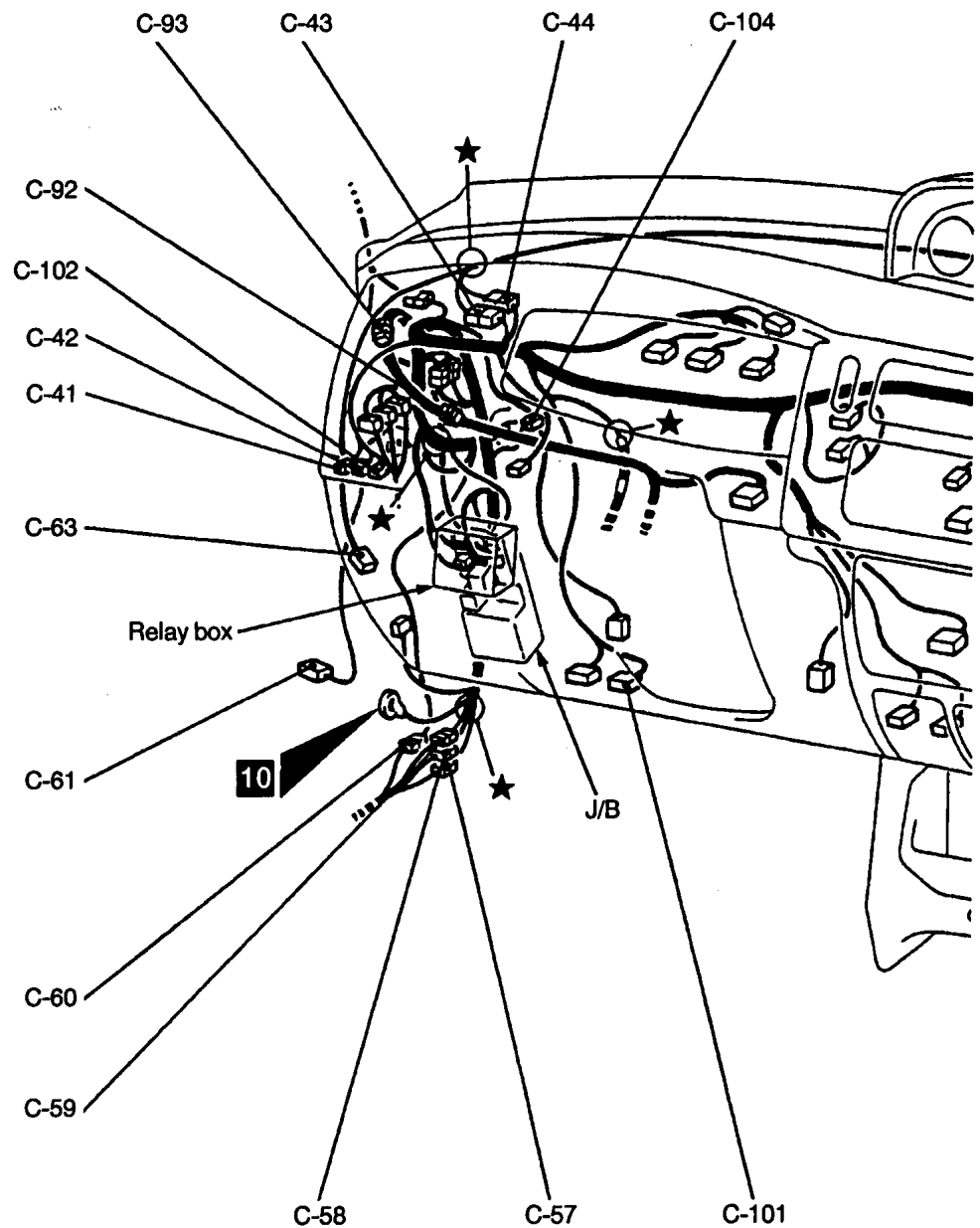
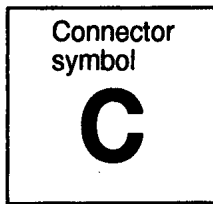
C-01 (22)	Body wiring harness and front wiring harness combination	C-12 (10)	Blower switch
C-02 (17)	Body wiring harness and front wiring harness combination	C-13 (14)	Radio and tape player
C-03 (1)	Body wiring harness and roof wiring harness combination or no connection	C-14 (2)	Cigarette lighter
C-04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



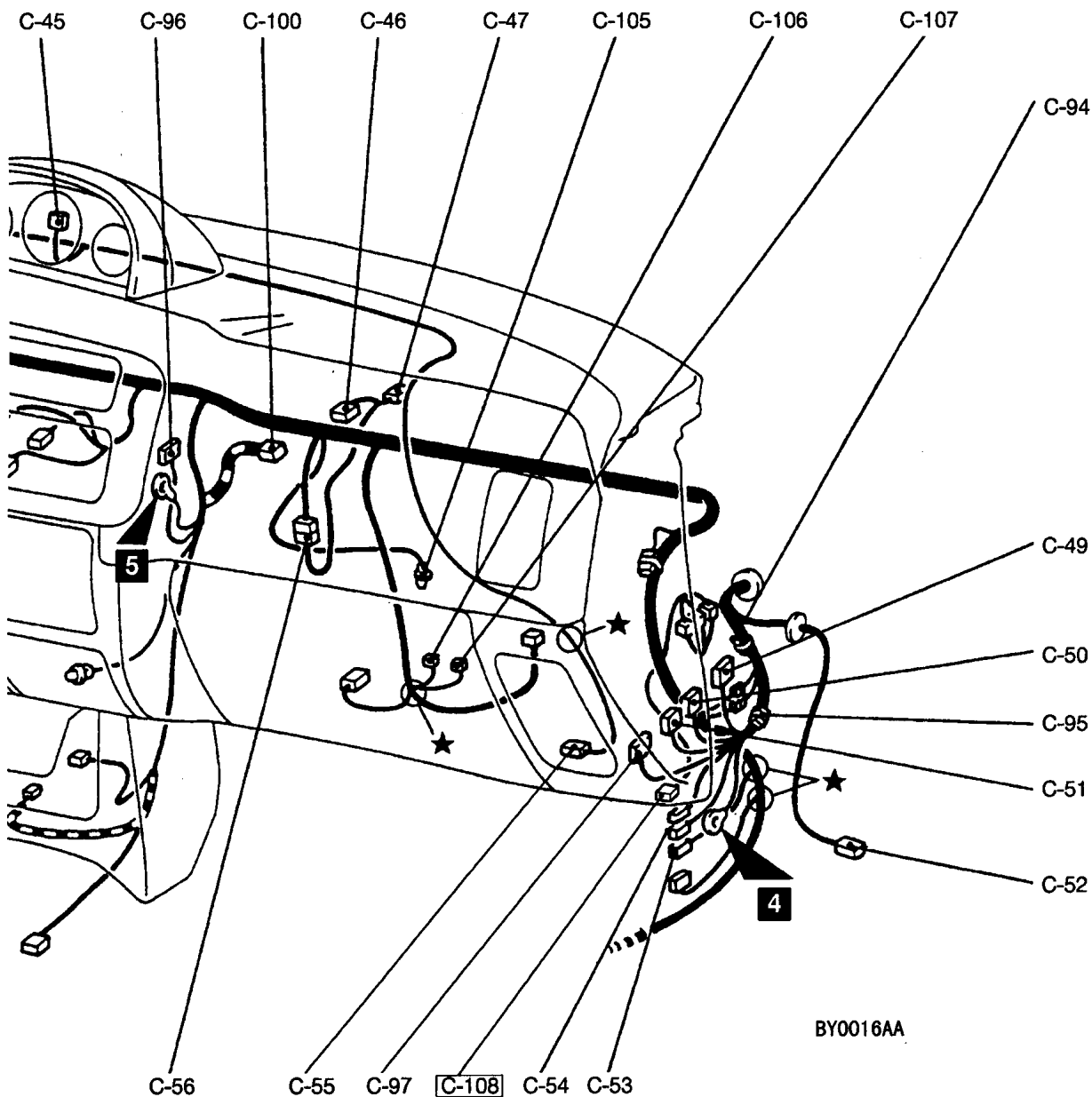
C-20 (7) Body wiring harness and front wiring harness combination
 C-21 (10-B) Rear differential lock-ECU
 C-22 (10) 4WD indicator-ECU
 C-23 (2-L) Blower motor
 C-24 (4-L) Blower resistor
 C-25 (2) Ashtray illumination lamp
 C-26 (3-B) G sensor <ABS>
 C-27 (20-Y) SRS-ECU
 C-29 (6) Overdrive switch
 C-30 (1) Cigarette lighter
 C-31 (1-B) Parking brake switch or no connection

C-32 (6) Headlamp leveling switch
 C-33 (8) Rear differential lock switch
 C-34 (2) Stop lamp switch
 C-35 (16-B) Diagnosis connector (1)
 C-36 (12) 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 (9) Body wiring harness and front door wiring harness (driver's side) combination

L.H. drive vehicles



C-41 (6-B)	Rear fog lamp switch	C-52 (2-BR)	Side turn signal lamp (RH)
C-42 (4)	Rheostat or joint connector	C-53 (4)	Engine control relay <Petro>
C-43 (5)	Body wiring harness and instrument panel wiring harness combination	C-53 (4-BR)	Intercooler fan-ECU <Diesel>
C-44 (11)	Body wiring harness and instrument panel wiring harness combination	C-54 (4)	Fuel pump relay <Petro>
C-45 (14)	Multi-meter	C-55 (2-B)	Front speaker (RH)
C-46 (3)	Thermostat	C-56 (12)	Thermostat wiring harness and body wiring harness combination
C-47 (8)	Compressor-ECU	C-57 (20)	Body wiring harness and transmission wiring harness combination
C-49 (26-Y)	Engine-ECU or Glow-ECU	C-58 (3)	Body wiring harness and transmission wiring harness combination
C-50 (16-Y)	Engine-ECU <Petro>		
C-51 (12-Y)	Engine-ECU <Petro>		

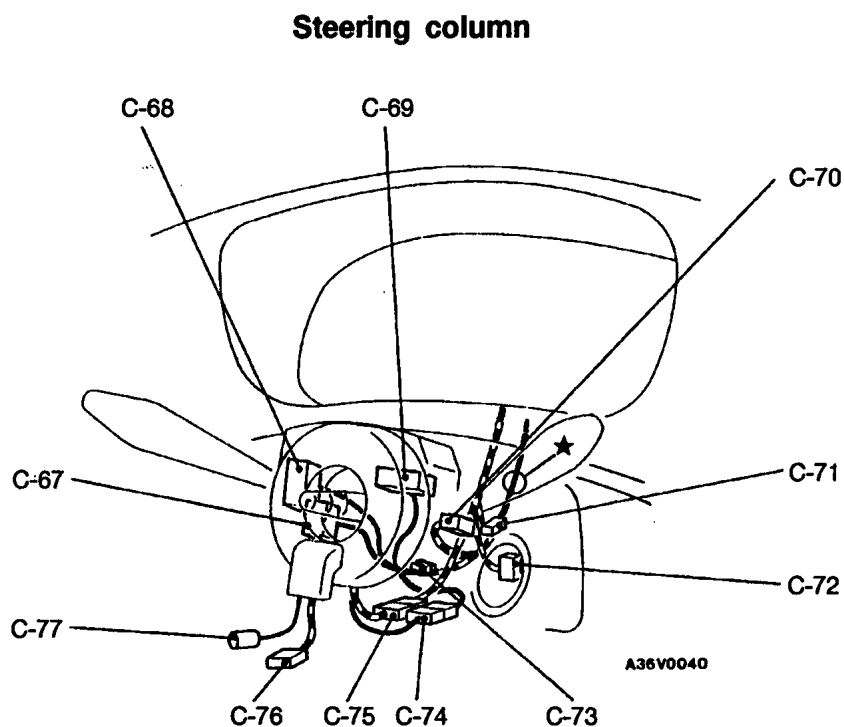
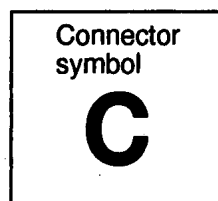


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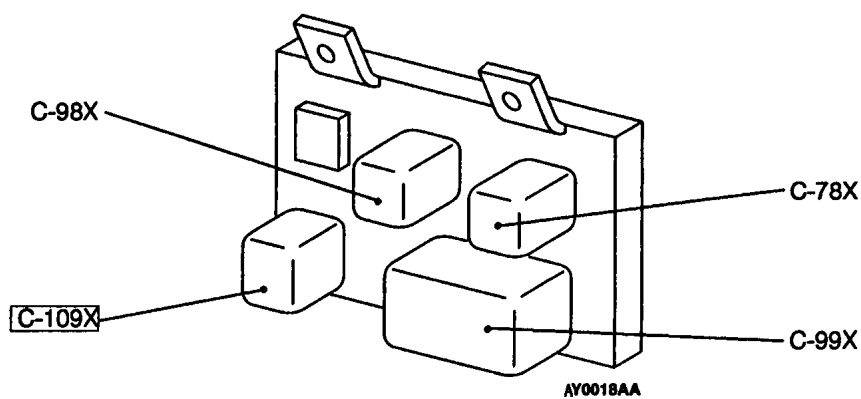
C-59 (2)	Body wiring harness and transmission wiring harness combination	C-100 (2-R)	Air bag module (squib) (passenger's side)
C-60 (6)	Front wiring harness and transmission wiring harness combination	C-101 (12)	Diagnosis connector (2)
C-61 (2-BR)	Side turn signal lamp (LH)	C-102 (8-B)	Remote controlled mirror switch
C-63 (2-B)	Front speaker (LH)	C-104 (8)	Overdrive control relay
C-92 (19-GR)	J/C (1)	C-105 (2)	Glove box lamp
C-93 (19-GR)	J/C (2)	C-106 (1)	Glove box lamp switch
C-94 (19-GR)	J/C (3)	C-107 (1)	Glove box lamp switch
C-95 (19-GR)	J/C (4)	C-108 (6-B)	Keyless entry receiver-ECU
C-96 (4)	Defogger relay <Vehicles with defogger timer>	NOTE Connector numbers enclosed by a frame have been newly added.	
C-97 (22-Y)	Engine-ECU <Petrol>		

DASH PANEL

L.H. drive vehicles



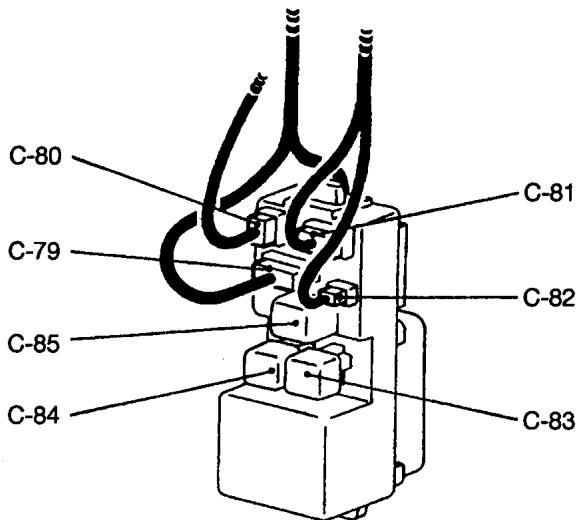
Relay box in passenger compartment



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) (driver's side)
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)		

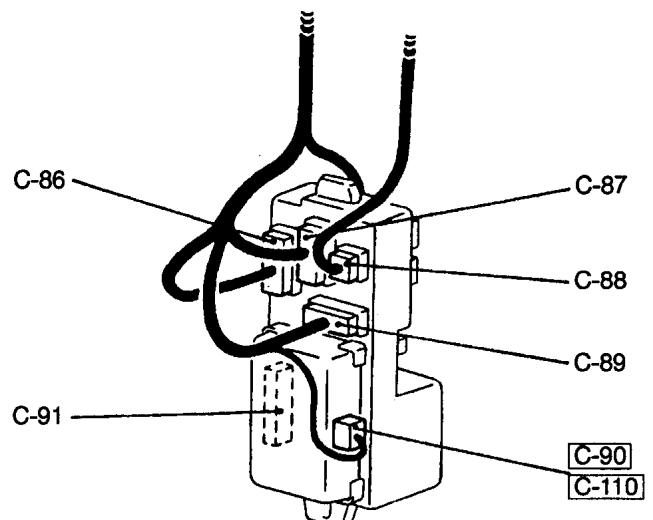
Junction block

<Front side view>



36V0039

<Rear side view>



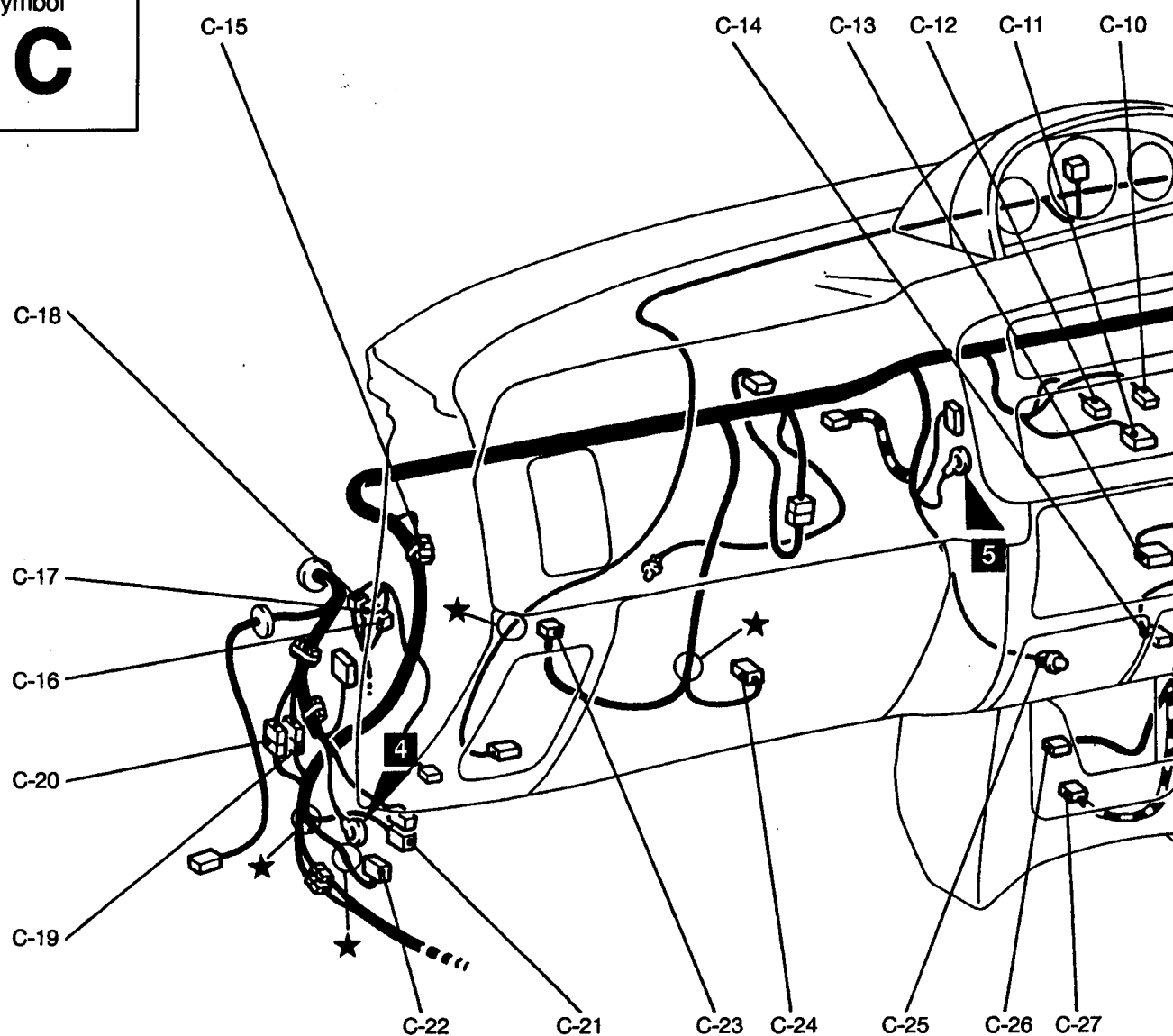
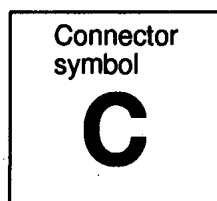
36V0038

- 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 timer>
- 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

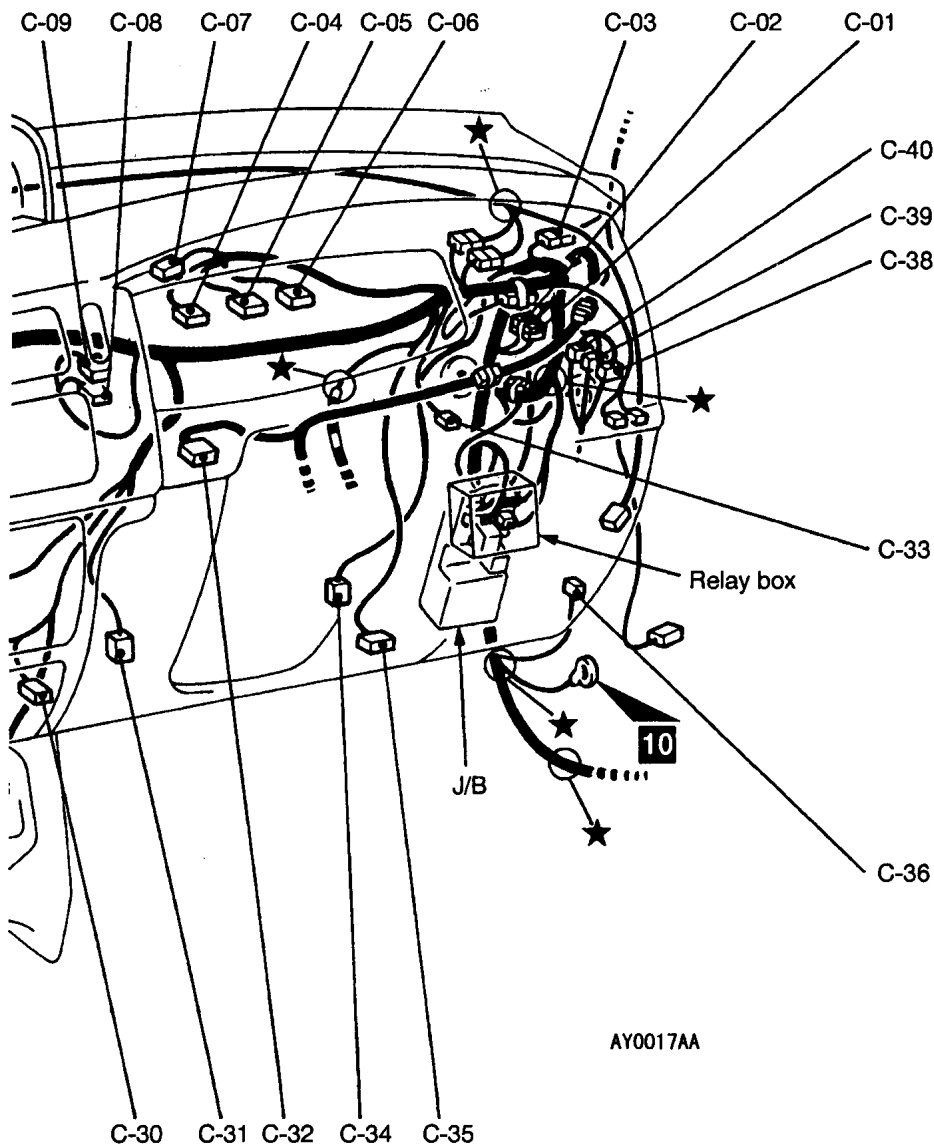
- C-90 (8) ETACS-ECU <Vehicles without keyless entry system>
- C-91 (12) ETACS-ECU or buzzer-ECU
- C-98X (4) Rear heater relay
- C-99X (6) Defogger timer
- C-109X (8) Hazard warning relay <Vehicles with keyless entry system>
- C-110 (16) ETACS-ECU <Vehicles with keyless entry system>

NOTE

Connector numbers enclosed by a frame have been newly added or changed.

DASH PANEL**R.H. drive vehicles**

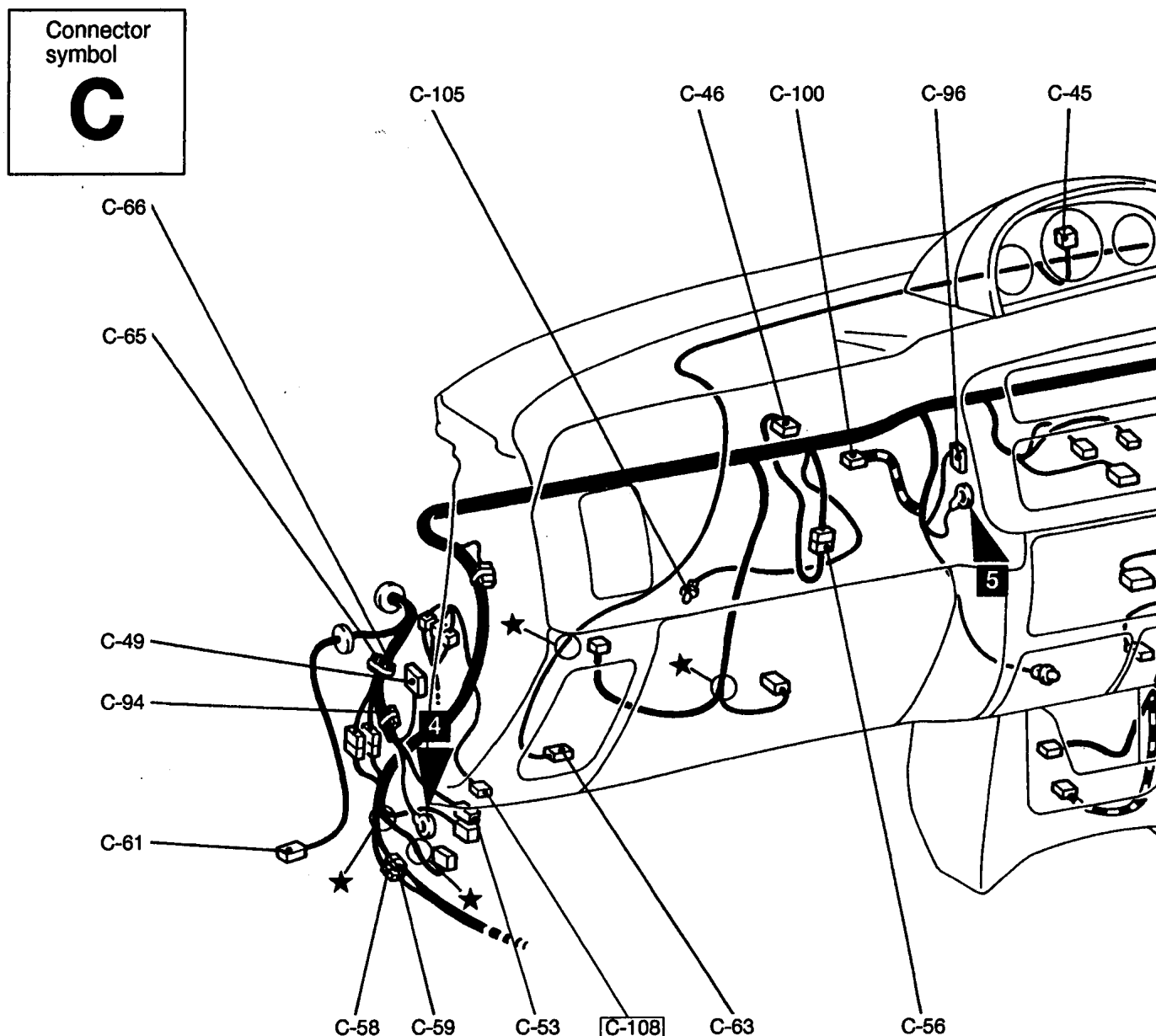
C-01 (22)	Body wiring harness and front wiring harness combination	C-11 (4)	Clock
C-02 (17)	Body wiring harness and front wiring harness combination	C-12 (10)	Blower switch
C-03 (1)	Body wiring harness and roof wiring harness combination or no connection	C-13 (14)	Radio and tape player
C-04 (14)	Combination meter	C-14 (2)	Cigarette lighter
C-05 (10)	Combination meter	C-15 (1)	No connection (reed switch)
C-06 (14-B)	Combination meter	C-16 (5)	Body wiring harness and front door wiring harness (passenger's side) combination
C-07 (1-B)	Combination meter	C-17 (6)	Body wiring harness and front door wiring harness (passenger's side) combination
C-08 (6)	Defogger switch or no connection	C-18 (7)	Body wiring harness and front door wiring harness (passenger's side) combination
C-09 (10)	Hazard switch	C-19 (20)	Body wiring harness and front wiring harness combination
C-10 (6)	A/C switch		



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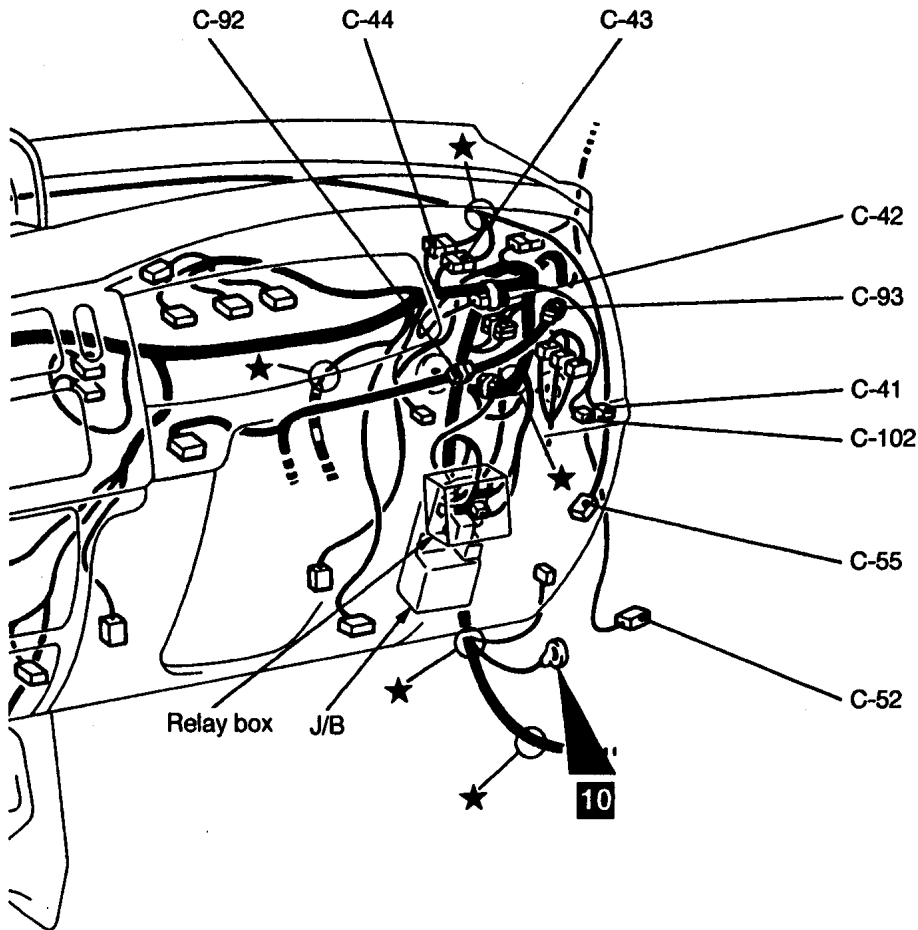
C-20 (7)	Body wiring harness and front wiring harness combination	C-32 (6)	Headlamp leveling switch
C-21 (10-B)	Rear differential lock-ECU	C-33 (8)	Rear differential lock switch
C-22 (10)	4WD indicator-ECU	C-34 (2)	Stop lamp switch
C-23 (2)	Blower motor	C-35 (16-B)	Diagnosis connector
C-24 (4-L)	Blower resistor	C-36 (12)	Immobilizer-ECU
C-25 (2)	Ashtray illumination lamp	C-38 (7)	Body wiring harness and front door wiring harness (driver's side) combination
C-26 (3-B)	G sensor <ABS>	C-39 (10)	Body wiring harness and front door wiring harness (driver's side) combination
C-27 (20-Y)	SRS-ECU	C-40 (9)	Body wiring harness and front door wiring harness (driver's side) combination
C-30 (1)	Cigarette lighter		
C-31 (1-B)	Parking brake switch or no connection		

R.H. drive vehicles



C-41 (6-B) Rear fog lamp switch
 C-42 (4) Joint connector
 C-43 (5) Body wiring harness and instrument panel wiring harness combination
 C-44 (11) Body wiring harness and instrument panel wiring harness combination
 C-45 (14) Multi-meter
 C-46 (3) Thermostat
 C-49 (26-Y) Glow-ECU

C-52 (2-BR) Side turn signal lamp (RH)
 C-53 (4-BR) Intercooler fan-ECU
 C-55 (2-B) Front speaker (RH)
 C-56 (12) Thermostat wiring harness and body wiring harness combination
 C-58 (3) Body wiring harness and transmission wiring harness combination
 C-59 (2) Body wiring harness and transmission wiring harness combination



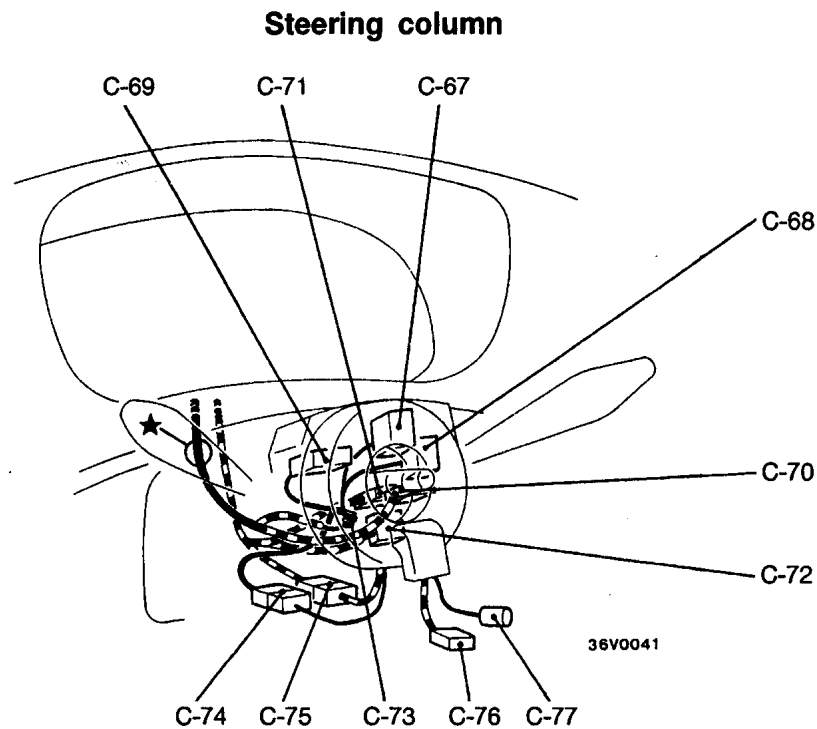
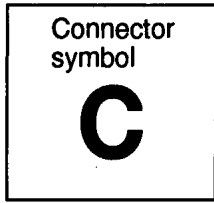
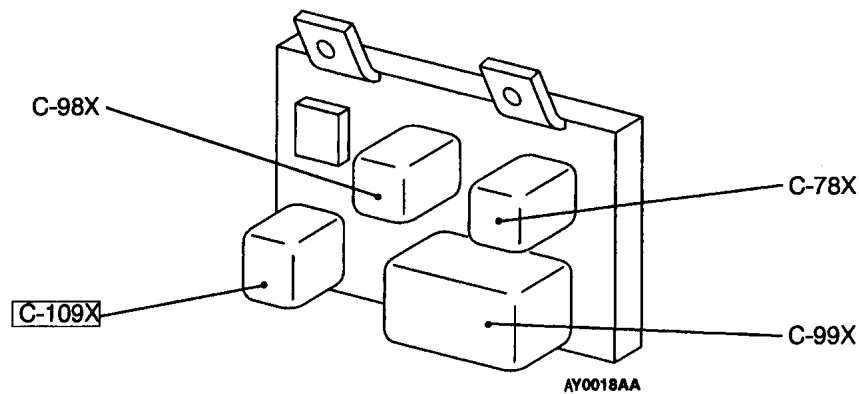
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C-61 (2-BR) Side turn signal lamp (LH)
 C-63 (2-B) Front speaker (LH)
 C-65 (3) Diode (for dim-dip lamp circuit)
 C-66 (2-B) Diode (for dim-dip lamp circuit)
 C-92 (19-GR) J/C (1)
 C-93 (19-GR) J/C (2)
 C-94 (19-GR) J/C (3)
 C-96 (4) Defogger relay <Vehicles with defogger timer>

C-100 (2-R) Air bag module (squib) (passenger's side)
 C-102 (8-B) Remote controlled mirror switch
 C-105 (2) Glove box lamp
 C-108 (6-B) Keyless entry receiver-ECU

NOTE

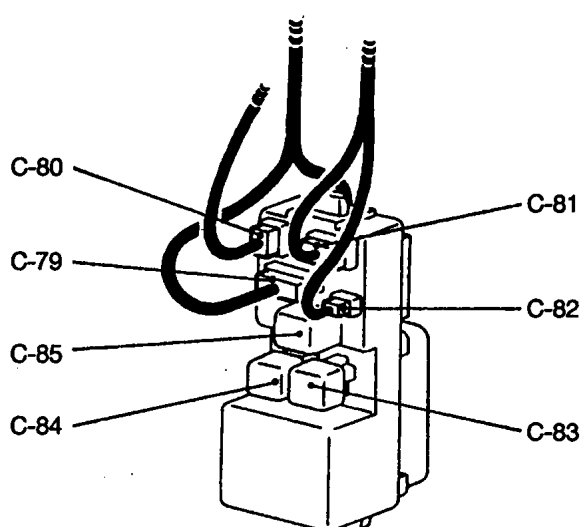
Connector numbers enclosed by a frame have been newly added.

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

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) (driver's side)
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)		

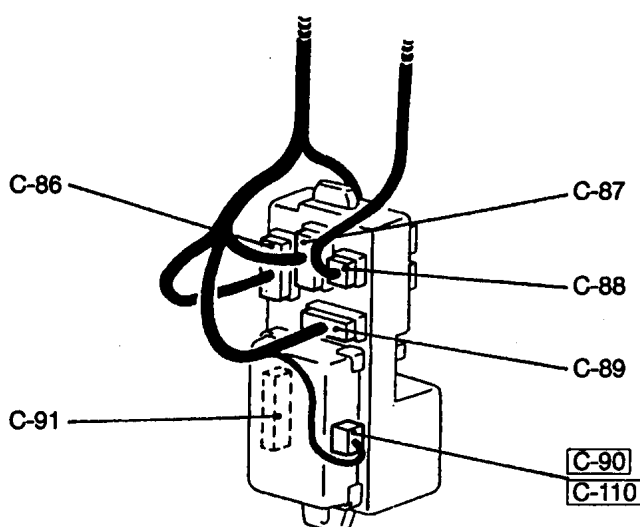
Junction block

<Front view>



36V0039

<Rear view>



36V0038

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 timer>
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 <Vehicles without keyless entry system>
C-91 (12)	ETACS-ECU or buzzer-ECU
C-98X (4)	Rear heater relay
C-99X (6)	Defogger timer
C-109X (8)	Hazard warning relay <Vehicles with keyless entry system>
C-110 (16)	ETACS-ECU <Vehicles with keyless entry system>

NOTE

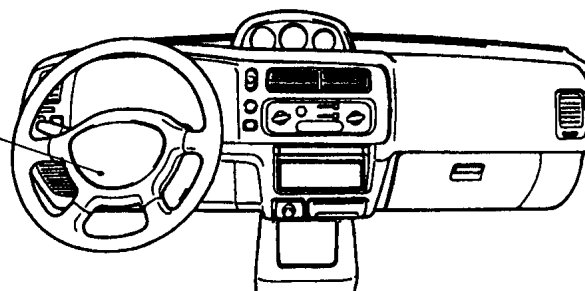
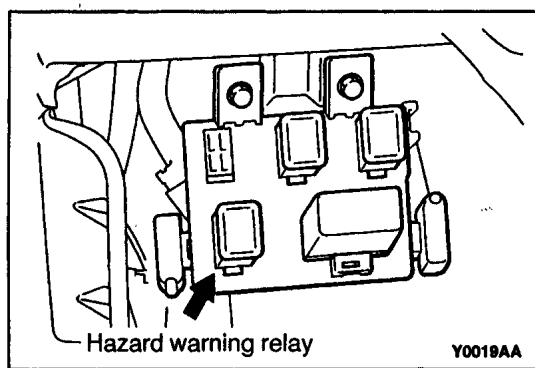
Connector numbers enclosed by a frame have been newly added or changed.

SINGLE PART INSTALLATION POSITION

CONTENTS

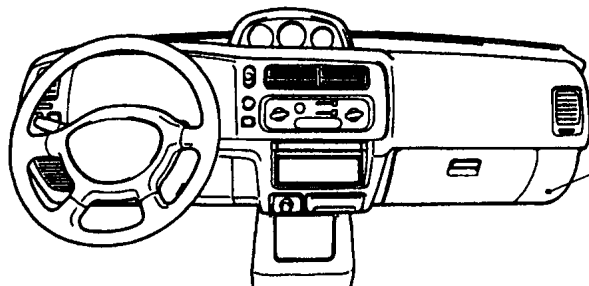
RELAY	3-2	ECU	3-2
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RELAY

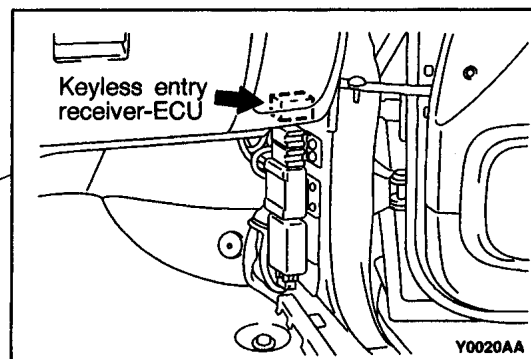


16V0106

ECU



16V0106



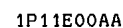
CIRCUIT DIAGRAM

CONTENTS

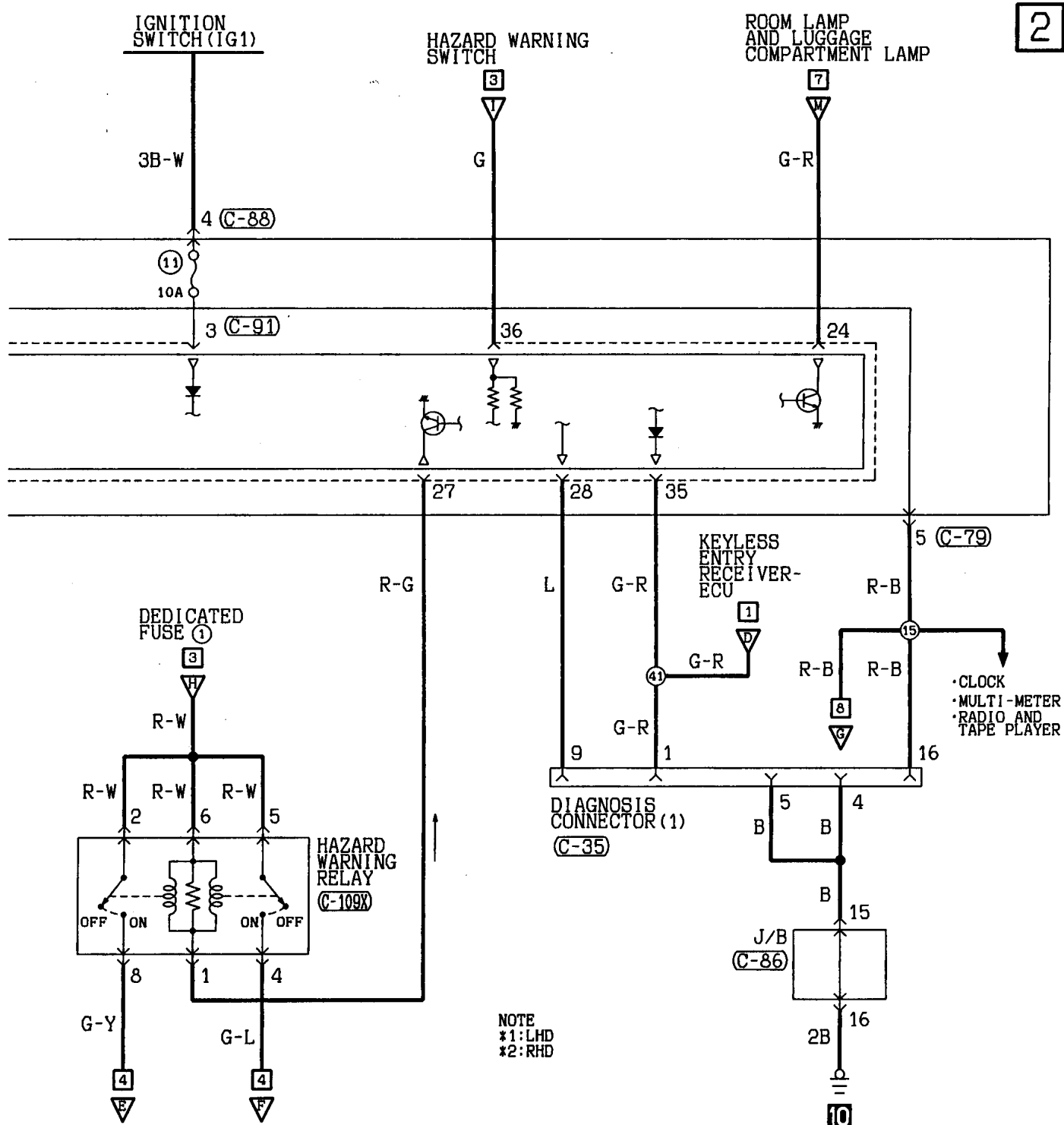
CENTRAL DOOR LOCKING SYSTEM

Vehicles with keyless entry system 4-2

Vehicles with keyless entry system



2



(C-82)

(C-86)

(C-88)

(C-91)

(C-108)

(C-109X)

(C-110)



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

1	2
3	4

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

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

1	2	3
4	5	6

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

Wire colour code

B:Black LG:Light green

G:Green

L:Blue

W:White

Y:Yellow

SB:Sky blue

BR:Brown O:Orange

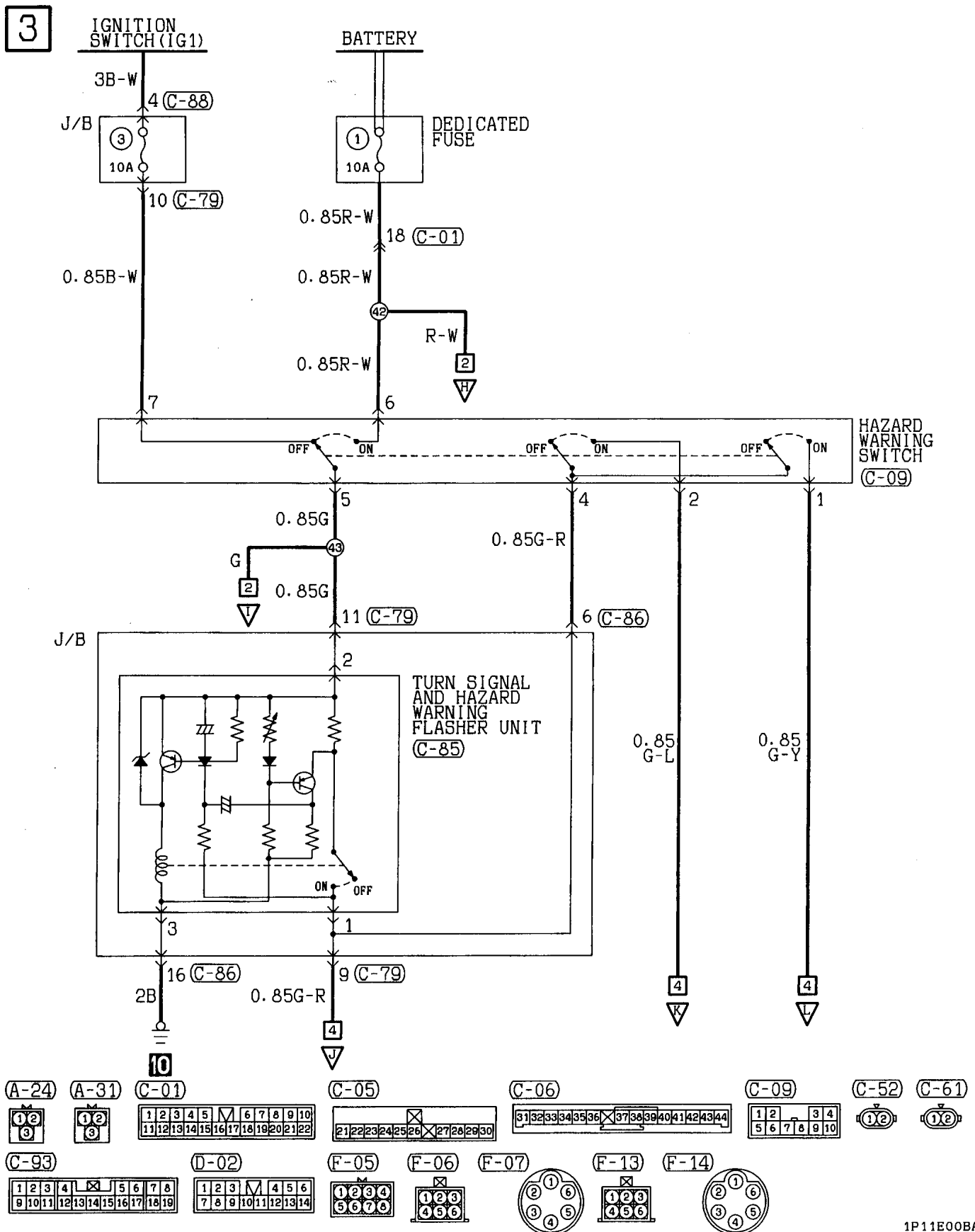
GR:Gray

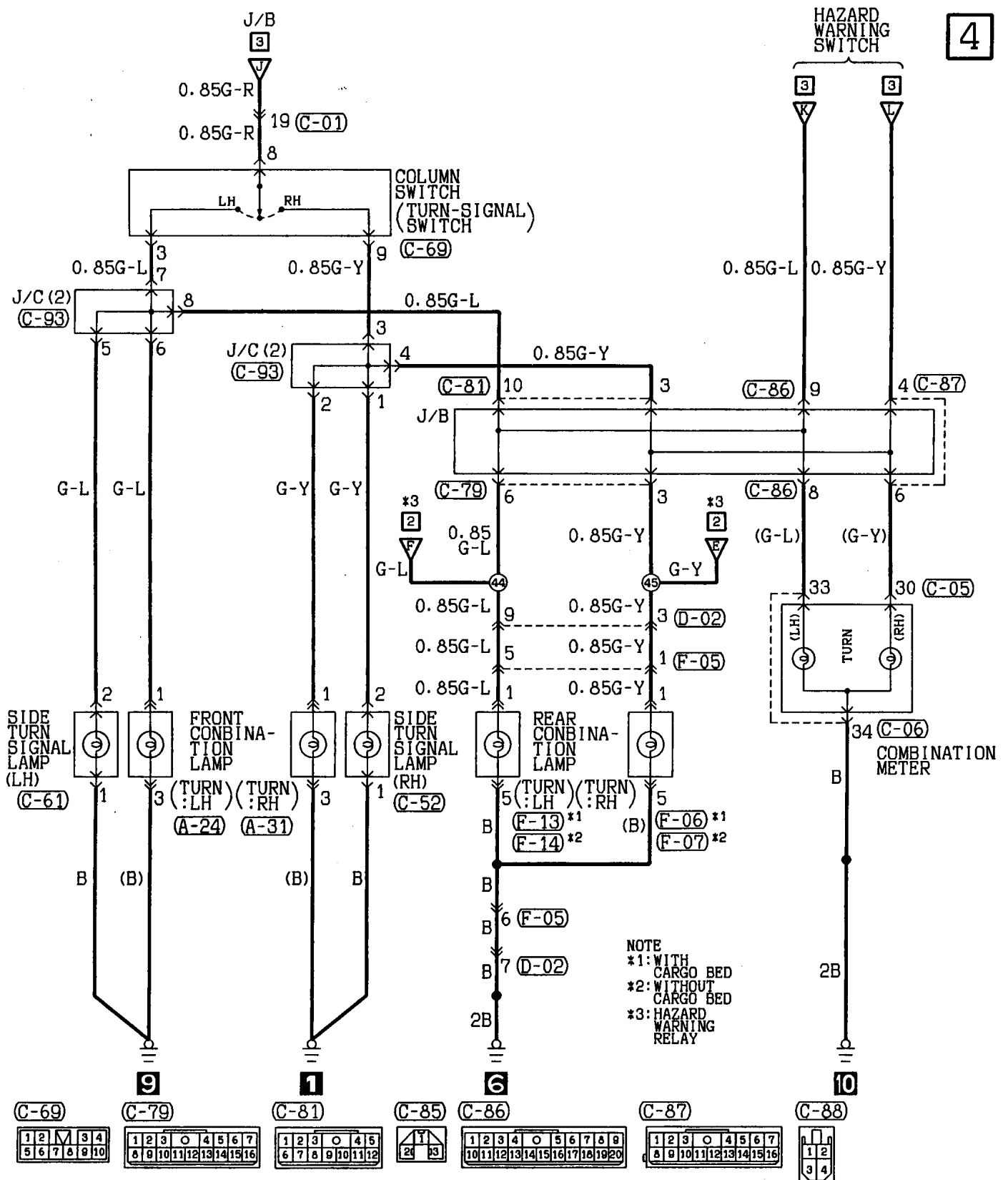
R:Red

P:Pink

V:Violet

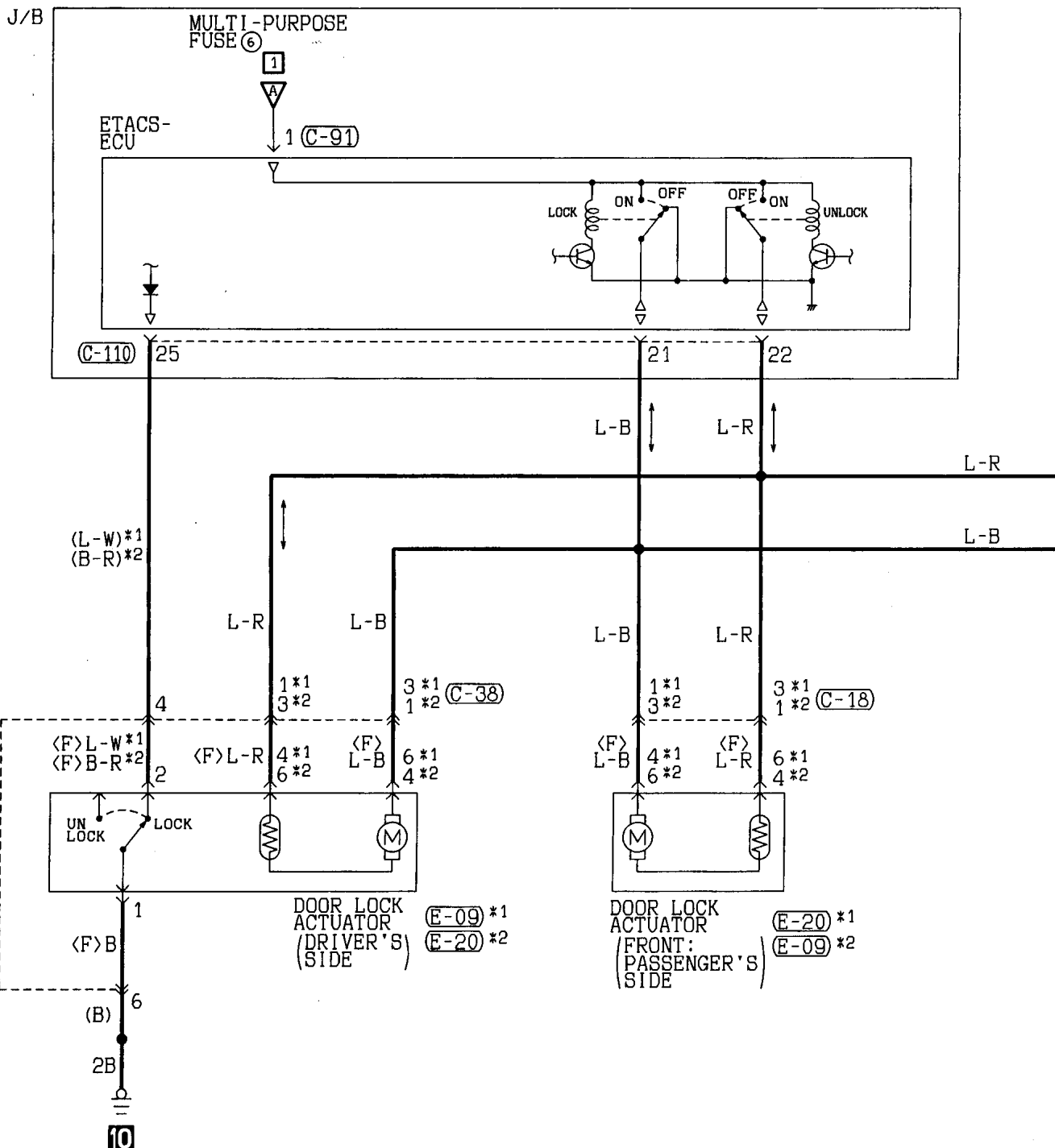
CENTRAL DOOR LOCKING SYSTEM <Vehicles with keyless entry system> (CONTINUED)



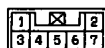


CENTRAL DOOR LOCKING SYSTEM <Vehicles with keyless entry system> (CONTINUED)

5



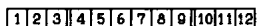
(C-18)



(C-38)



(C-91)



(C-110)



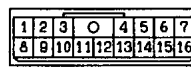
(D-05)



(D-15)



(D-22)



(E-05)

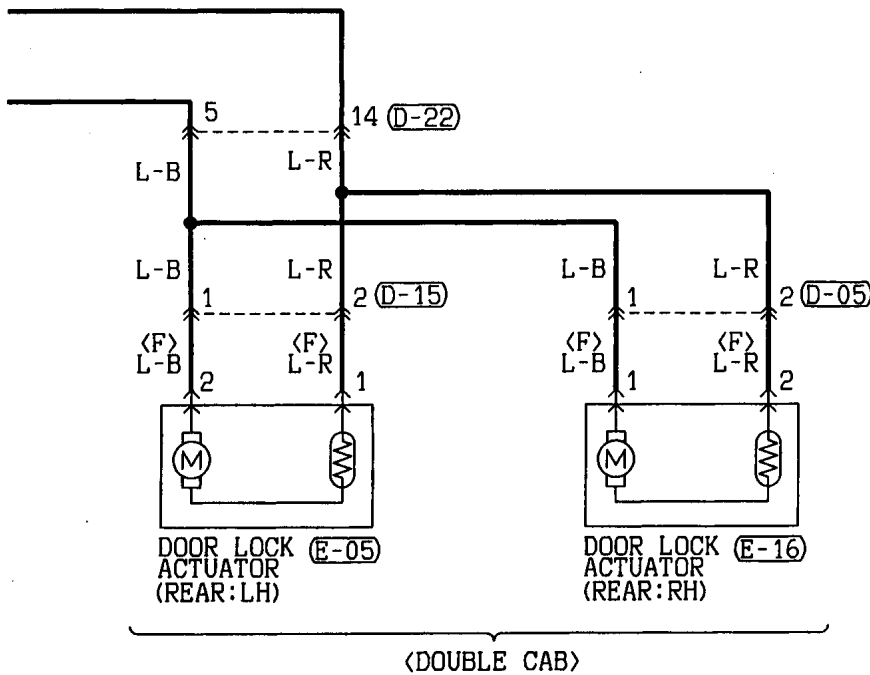


(E-09)



6

NOTE
 *1:LHD
 *2:RHD



E-16 E-20

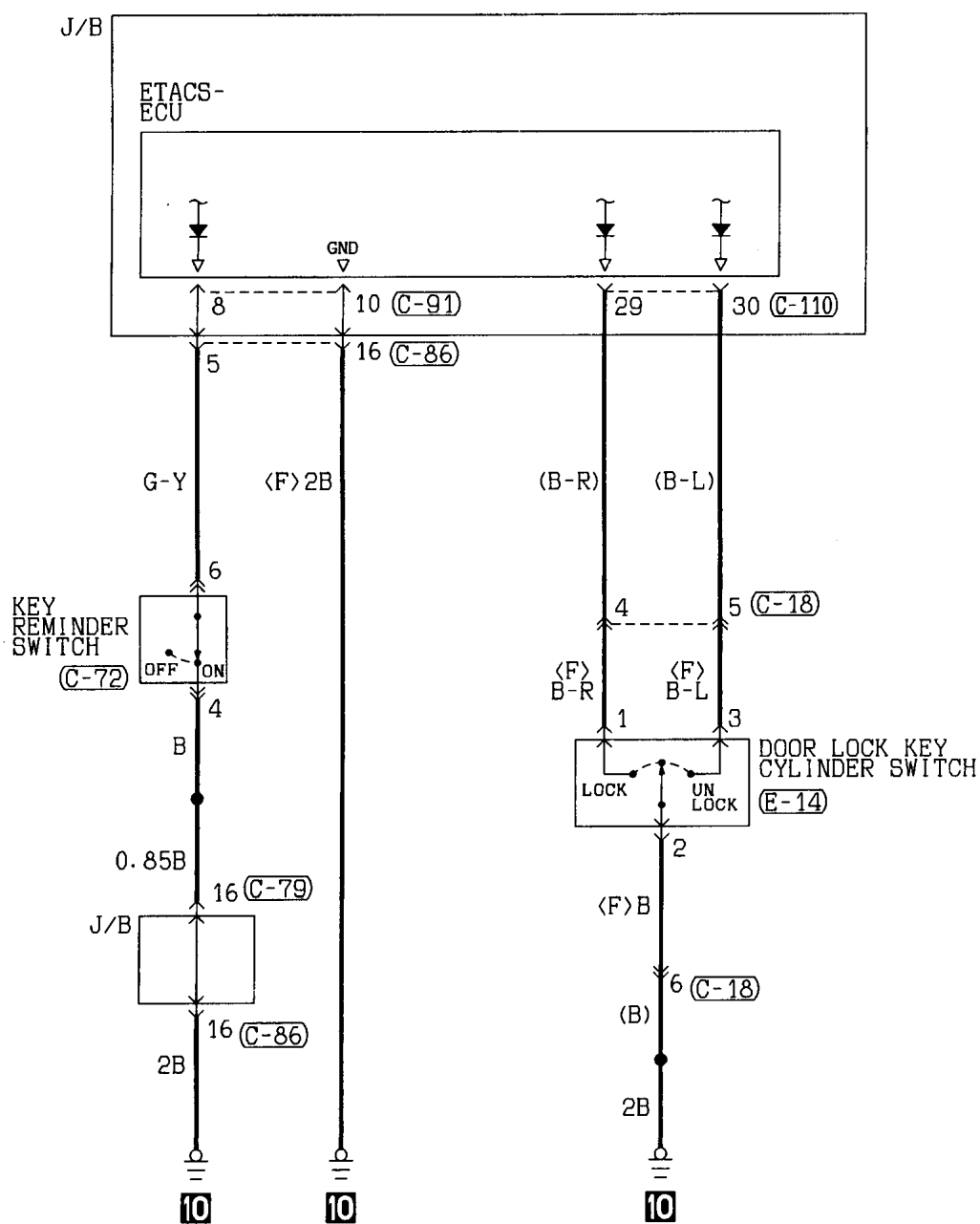


Wire colour code

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

CENTRAL DOOR LOCKING SYSTEM <Vehicles with keyless entry system> (CONTINUED)

7



C-06

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

C-18

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

C-72

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

C-79

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

C-80

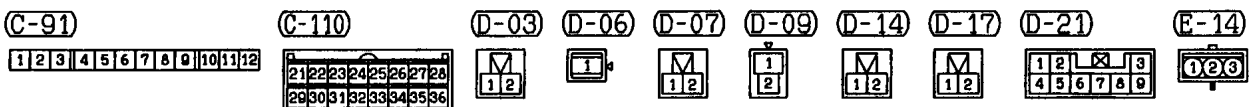
1	2
---	---

C-86

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

C-87

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



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