

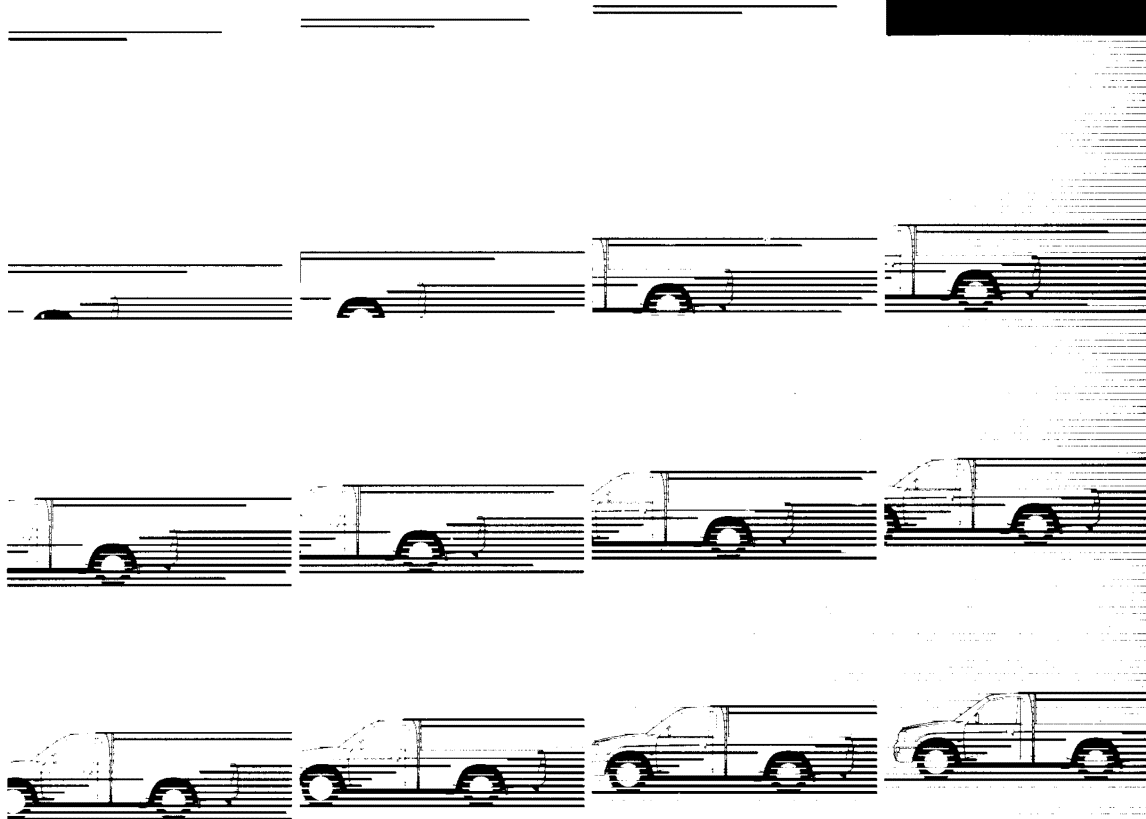
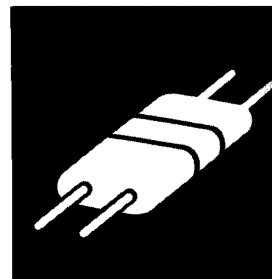


Workshop Manual

electrical wiring

SUPPLEMENT

L200 '99



L200

ELECTRICAL WIRING SUPPLEMENT

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	PYTE96E1
WORKSHOP MANUAL	
CHASSIS GROUP	PWTE96E1 (Basic) PWTE96E1-B PWTE96E1-C (Supplement)
BODY REPAIR MANUAL	
ENGINE GROUP	PBTE96E1 (Basic) PWEE□□□□ (Looseleaf edition)
ELECTRICAL WIRING	PHTE96E1-B (Basic)
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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HOW TO USE THIS MANUAL

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

PAGE NUMBERS

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

OPERATION AND TROUBLESHOOTING HINTS

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

OUTLINE OF CHANGES

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MODELS

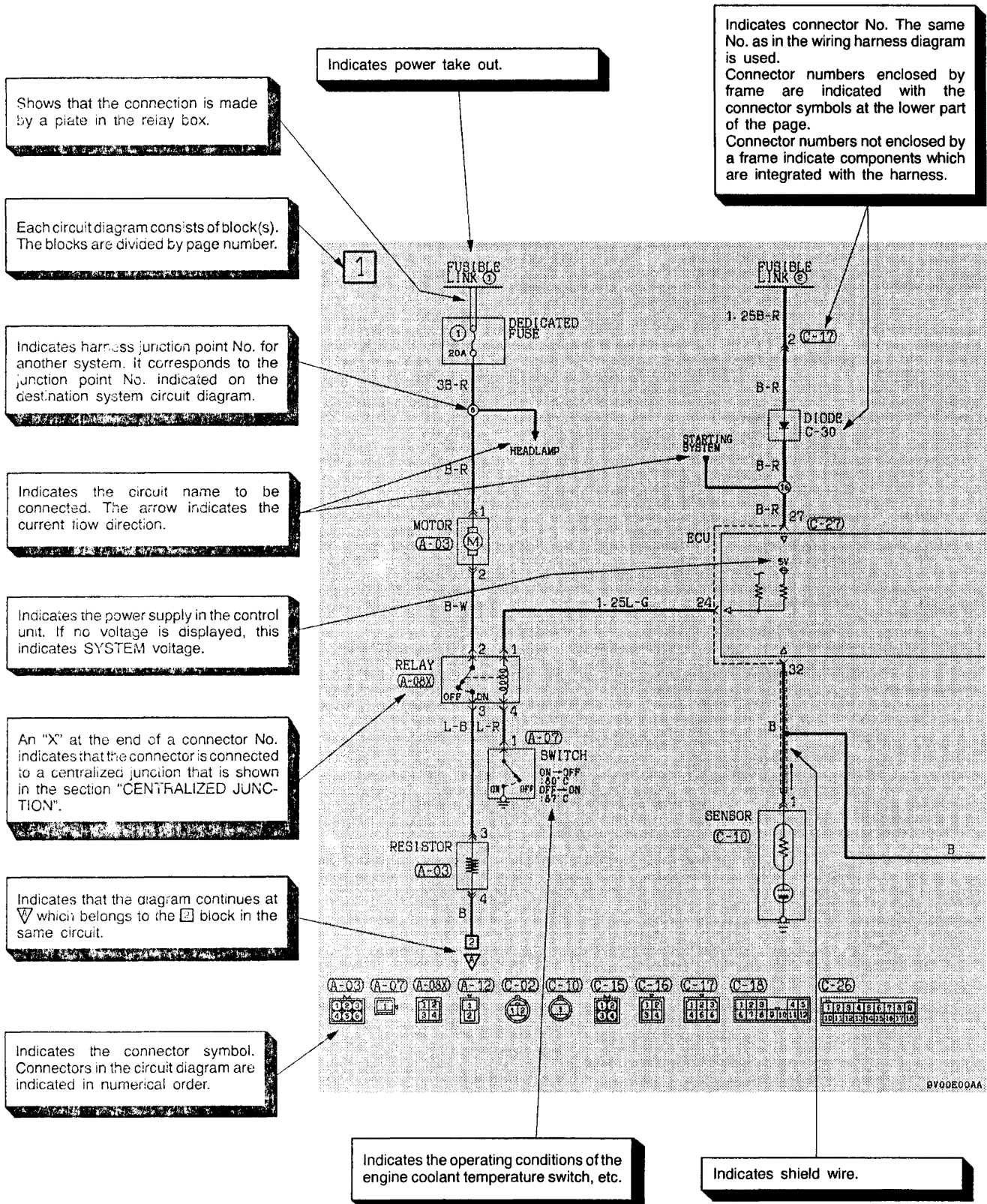
Model Code		Engine model	Transmission model	Fuel supply system
K62T	JERDEL6	4G63-SOHC (1,997 ml)	R4AW2 (2WD-4A/T)	MPI
	ENDEL6		R5M21 (2WD-5M/T)	
K64T	ENDL6	4D56 (2,477 ml)	R5M21 (2WD-5M/T)	Diesel fuel injection
	ENDR6			
	CENDL6			
	JENDL6			
K75T	CENDEL6	4G64-SOHC (2,351 ml)	V5M21 (4WD-5M/T)	MPI
K74T	ENDFL6*	4D56 Turbocharger with Intercooler (2,477 ml)	V5MT1 (4WD-5M/T)	Diesel fuel injection
	ENDFR6		V4AW2 (4WD-4A/T)	
	JERDFL6			
	GJENXFL6		V5MT1 (4WD-5M/T)	
	GJENXFR6*			
	CENDFL6			
	JENDFL6			
	JENDFR6*			
	JENHFL6			

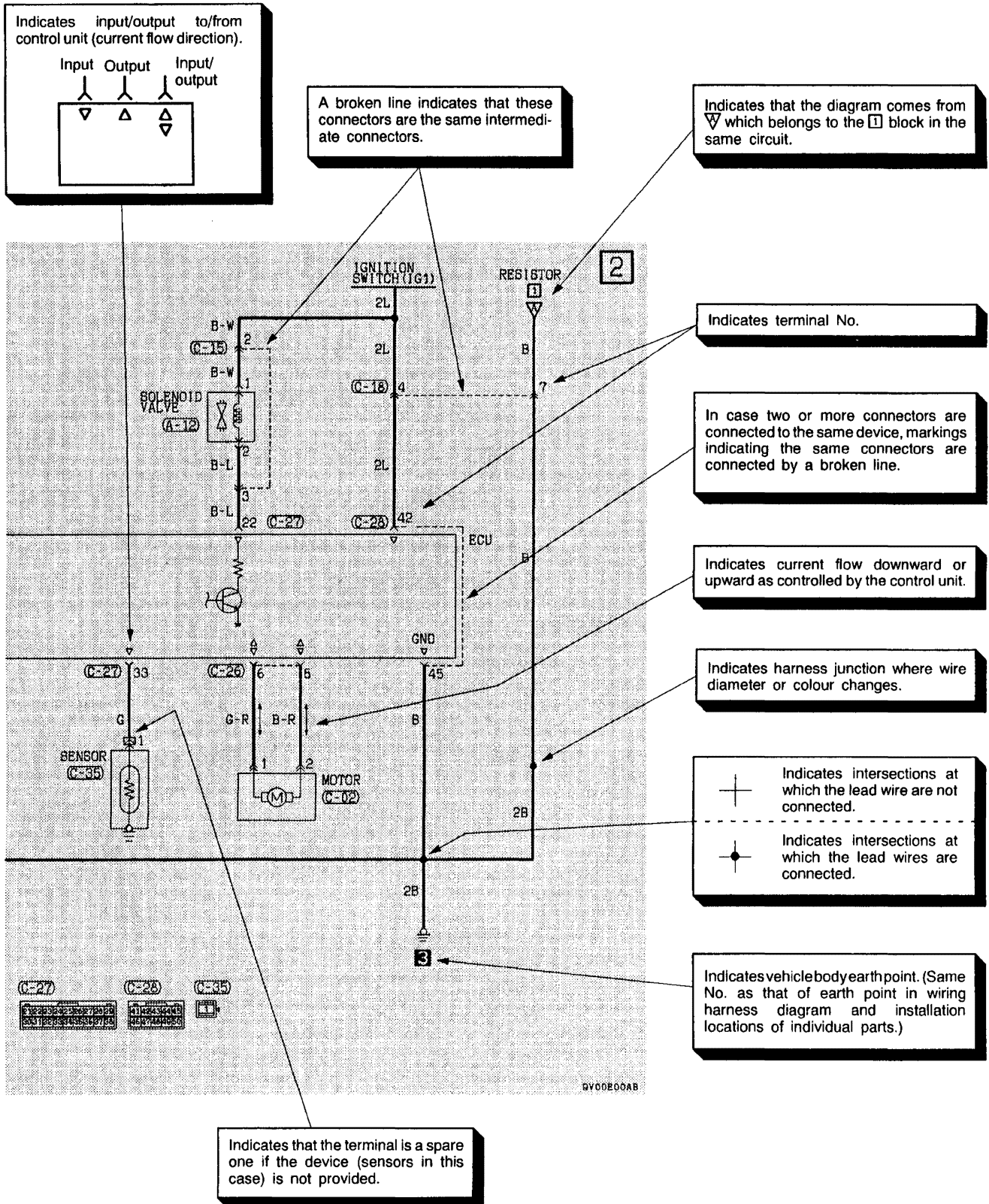
NOTE

*: Indicates new model

HOW TO READ CIRCUIT DIAGRAMS

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





WIRING HARNESS CONFIGURATION DIAGRAMS

Wiring harness configuration diagrams				Description of changes
Connector symbol	Name		Reference page	
A	ENGINE COMPARTMENT	4D56 <L.H. drive vehicles>	2-2	<ul style="list-style-type: none"> These connectors have been added for the modified glow-ECU: <ul style="list-style-type: none"> Lever (throttle) position sensor (A-102) Throttle solenoid valve (A-103) EGR solenoid valve No.1 (A-104) EGR solenoid valve No.2 (A-105) The idle-up solenoid valve <ABS-M/T> (A-79) has been no longer used.
		4D56 <R.H. drive vehicles>	2-6	<ul style="list-style-type: none"> These connectors have been added for the modified glow-ECU: <ul style="list-style-type: none"> Lever (throttle) position sensor (A-102) Throttle solenoid valve (A-103) EGR solenoid valve No.1 (A-104) EGR solenoid valve No.2 (A-105) The outside thermo sensor or no connection connector (A-25) has been added for a multi-meter newly used. The idle-up solenoid valve <ABS-M/T> connector (A-79) has been no longer used.
C	DASH PANEL	L.H. drive vehicles	2-10	<ul style="list-style-type: none"> The air bag module (squib) (passenger's side) connector (C-100) has been added for the modified SRS-ECU. Diagnosis connector (2) (C-101) has been added. The remote controlled mirror switch connector (C-102) has been added. The overdrive relay connector (C-103X) has been added. The SRS diagnosis unit connector (C-27) has been renamed SRS-ECU connector (C-27). Also, its terminal number and colour have been modified from (14-R) to (21-Y). The terminal number and colour of the body wiring harness and front door wiring harness (driver's side) combination connectors (C-40) have been modified from (7-B) to (9). The terminal number and colour of the glow-ECU connector (C-49) have been modified from (13) to (26-Y). These connectors have been no longer used: <ul style="list-style-type: none"> SRS diagnosis unit (C-28) Overdrive control relay (C-37)

Wiring harness configuration diagrams				Description of changes
Connector symbol	Name		Reference page	
C	DASH PANEL	R.H. drive vehicles	2-16	<ul style="list-style-type: none"> These connectors have been added for a multi-meter newly used: <ul style="list-style-type: none"> Body wiring harness and instrument panel wiring harness combination (C-44) Multi-meter (C-45) The air bag module (squib) (passenger's side) connector (C-100) has been added for the modified SRS-ECU. The remote controlled mirror switch connector (C-102) has been added. The rear heater relay connector (C-98X) has been added. The SRS diagnosis unit connector (C-27) has been renamed SRS-ECU connector (C-27). Also, its terminal number and colour have been modified from (14-R) to (21-Y). The terminal number and colour of the body wiring harness and front door wiring harness (driver's side) combination connectors (C-40) have been modified from (7-B) to (9). The terminal number and colour of the glow-ECU (C-49) have been modified from (13) to (26-Y). The SRS diagnosis unit connector (C-28) has been no longer used.
D	CABIN	Single cab <L.H. drive vehicles>	2-22	<ul style="list-style-type: none"> The terminal number and colour of the front door switch (passenger's side) connector (D-03) have been modified from (1-B) to (2).
		Single cab <R.H. drive vehicles>	2-23	
		Club cab	2-24	
		Double cab <L.H. drive vehicles>	2-25	<ul style="list-style-type: none"> The terminal number and colour of the front door switch (passenger's side) connector (D-03), rear door switch (R.H.) connector (D-07) and rear door switch (L.H.) connector (D-14) have been modified from (1-B) to (2).
		Double cab <R.H. drive vehicles>	2-26	<ul style="list-style-type: none"> Dedicated diagrams have been added for the brand-new models.
E	DOOR	Single cab and club cab <L.H. drive vehicles>	2-27	<ul style="list-style-type: none"> Dedicated diagrams have been added for the 1999 models.
		Single cab <R.H. drive vehicles>	2-28	

Wiring harness configuration diagrams				Description of changes
Connector symbol	Name		Reference page	
<div>E</div>	DOOR	Double cab <L.H. drive vehicles>	2-29	<ul style="list-style-type: none">• The terminal number and colour of the door lock actuator (driver's side) connector (E-09) have been modified from (4) to (6-B).• The terminal number of the door lock actuator (front passenger's side) connector (E-20) have been increased from (4) to (6).
		Double cab <R.H. drive vehicles>	2-30	<ul style="list-style-type: none">• Dedicated diagrams have been added for the brand-new models.

SINGLE PART INSTALLATION POSITION

Location of changes	Reference page	Description changes
RELAY	3-2	<ul style="list-style-type: none"> An overdrive relay has been added.
SENSOR	3-2	<ul style="list-style-type: none"> A lever (throttle) position sensor has been added.
SOLENOID AND SOLENOID VALVE	3-3	<ul style="list-style-type: none"> The following have been added: <ul style="list-style-type: none"> EGR solenoid valve No.1 EGR solenoid valve No.2 Throttle solenoid valve Timer solenoid valve
INSPECTION CONNECTOR	3-3	<ul style="list-style-type: none"> Diagnosis connector (2) has been added.

CIRCUIT DIAGRAM

Circuit diagram			Description of changes
Main title	Sub title	Reference page	
JOINT CONNECTOR (J/C)	–	4-2	<ul style="list-style-type: none"> The harness wires of terminals Nos. 12, 13 and 14 in J/C (1) (C-92) have been no longer used. The circuit in J/C (3) (C-94) <DIESEL> has been modified for the modified glow-ECU.
CENTRALIZED JUNCTION	–	4-5	<ul style="list-style-type: none"> The dedicated fuse No.11 circuit has been modified. The overdrive relay connector (C-103X) has been added in the passenger compartment relay box. (See CENTRALIZED RELAY)
GLOW SYSTEM	–	4-8	<ul style="list-style-type: none"> The circuit has been modified for the modified glow-ECU.
MPI SYSTEM	–	4-10	<ul style="list-style-type: none"> The circuit between the engine-ECU and ABS-ECU has been modified. So, the terminal numbers of the ABS-ECU connector have been changed from 38 to 39. Diagnosis connector (2) (C-101) has been added.
OVERDRIVE CONTROL SYSTEM	4G63	4-18	<ul style="list-style-type: none"> The circuit has been modified as the overdrive control relay has been no longer used.
	4D56	4-22	
ROOM LAMP	Except double cab	4-26	<ul style="list-style-type: none"> The terminal number of the front door switch (passenger's side) connector (D-03) has been increased from one to two.
	Double cab	4-27	<ul style="list-style-type: none"> The terminal number of the front door switch (passenger's side) connector (D-03), rear door switch (L.H.) connector (D-14) and rear door switch (R.H.) connector (D-07) has been increased from one to two.
CENTRAL DOOR LOCKING SYSTEM	Except double cab	4-28	<ul style="list-style-type: none"> The terminal number of the front door lock actuator connectors (E-09) (E-20) has been increased from four to six. So, the terminal numbers of the front door lock actuator connectors (E-09) (E-20) have been changed.
	Double cab	4-30	<ul style="list-style-type: none"> The circuit has been modified as R.H. drive vehicles have been added. The terminal number of the front door lock actuator connectors (E-09) (E-20) has increased from four to six. So, the terminal numbers of the front door lock actuator connectors (E-09) (E-20) have been changed.

Circuit diagram			Description of changes
Main title	Sub title	Reference page	
POWER WINDOWS	Double cab	4-34	<ul style="list-style-type: none"> The circuit has been modified as R.H. drive vehicles have been added.
AIR CONDITIONER	Diesel-powered vehicles with M/T	4-38	<ul style="list-style-type: none"> The R.H. drive vehicles have used the same shape of the dual pressure switch connector (A-67) that the L.H. drive vehicles use.
DEFOGGER AND DOOR MIRROR HEATER	Vehicles with defogger timer	4-42	<ul style="list-style-type: none"> The terminal numbers of the intermediate connector (C-40), which connects the door mirror (L.H.) connector (E-23), door mirror (R.H.) connector (C-24) and the earth, have been changed from one to two.
	Vehicles without defogger timer	4-44	<ul style="list-style-type: none"> The terminal numbers of the intermediate connector (C-40), which connects dedicated fuse No. 14, the door mirror (L.H.) connector (E-23) and door mirror (R.H.) connector (E-24), have been changed from three to five.
REMOTE CONTROLLED MIRROR	L.H. drive vehicles with the remote controlled mirror switch installed in instrument panel	4-46	<ul style="list-style-type: none"> Dedicated circuit diagrams have been added for the 1999 models.
	L.H. drive vehicles with the remote controlled mirror switch installed in door	4-47	
	R.H. drive vehicles with the remote controlled mirror switch installed in instrument panel	4-48	
	R.H. drive vehicles with the remote controlled mirror switch installed in door	4-49	
ANTI-SKID BRAKING SYSTEM (ABS)	2WD	4-50	<ul style="list-style-type: none"> The circuit between the ABS motor relay connector (A-38) and ABS-ECU connector (C-64) has been modified. The idle up solenoid valve connector (A-79) has been no longer used.
	4WD	4-54	
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	–	4-60	<ul style="list-style-type: none"> Dedicated circuit diagrams have been added for the 1999 models.

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 in this manual. |
| (2) R (Revised) | : This circuit has been changed, and is included in this manual. |
| (3) D (Deleted) | : This circuit has been deleted in this manual. |
| (4) I (Included) | : This circuit is included in this manual. |
| (5) N (Not included) | : This circuit is not included in this manual. |
| (6) P (Previous manual) | : This circuit is not included in this manual, because it has not been changed. Refer to this previous manual |

Main circuit	Circuit classifications	Pub. No. PHTe 96E1-B (Basic)	Pub. No. PHTe 96E1-C (Supple- ment)
JUNCTION BLOCK (J/B)	–	I	P
JOINT CONNECTOR (J/C)	–	I	R
CENTRALIZED JUNCTION	–	I	R
POWER DISTRIBUTION SYSTEM	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
STARTING SYSTEM	Petrol-power vehicles	I	P
	Diesel-power vehicles	I	P
IGNITION SYSTEM	–	I	P
CHARGING SYSTEM	Petrol-power vehicles	I	P
	Diesel-power vehicles	I	P
GLOW SYSTEM	–	I	R
MPI SYSTEM	–	I	R
OVERDRIVE CONTROL SYSTEM	4G63	I	R
	4D56	I	R
HEADLAMP	L.H. drive vehicles with daytime running lamp	I	P
	L.H. drive vehicles without daytime running lamp	I	P
	R.H. drive vehicles	I	P
TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
REAR FOG LAMP	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
HEADLAMP LEVELING SYSTEM	–	I	P
ROOM LAMP	Except double cab	I	R
	Double cab	I	R

Main circuit	Circuit classifications	Pub. No. PHTe 96E1-B (Basic)	Pub. No. PHTe 96E1-C (Supple- ment)
IGNITION KEY CYLINDER ILLUMINATION LAMP	-	I	P
TURN-SIGNAL LAMP AND HAZARD WARNING LAMP	-	I	P
STOP LAMP	-	I	P
BACK-UP LAMP	-	I	P
HORN	Vehicles with SRS	I	P
	Vehicles without SRS	I	P
METER AND GAUGE	-	I	P
BRAKE WARNING LAMP	-	I	P
FUEL WARNING LAMP	Vehicles without SRS	I	P
OIL PRESSURE WARNING LAMP	-	I	P
FUEL FILTER WARNING LAMP	Diesel-powered vehicles	I	P
MULTI-METER	-	I	P
CENTRAL DOOR LOCKING SYSTEM	Except double cab	I	R
	Double cab	I	R
POWER WINDOWS	Except double cab	I	P
	Double cab	I	R
HEATER	-	I	P
AIR CONDITIONER	Petrol-powered vehicles	I	P
	Diesel-powered vehicles with M/T	I	R
	Diesel-powered vehicles with A/T	I	P
REAR HEATER	-	I	P
WINDSHIELD WIPER AND WASHER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
HEADLAMP WASHER	-	I	P
DEFOGGER	-	I	D
DEFOGGER AND DOOR MIRROR HEATER	Vehicles with defogger timer	I	R
	Vehicles without defogger timer	I	R

Main circuit	Circuit classifications	Pub. No. PHTe 96E1-B (Basic)	Pub. No. PHTe 96E1-C (Supple- ment)
REMOTE CONTROLLED MIRROR	L.H. drive vehicles	I	D
	R.H. drive vehicles	I	D
	L.H. drive vehicles with the remote controlled mirror switch installed in instrument panel	N	A
	L.H. drive vehicles with the remote controlled mirror switch installed in door	N	A
	R.H. drive vehicles with the remote controlled mirror switch installed in instrument panel	N	A
	R.H. drive vehicles with the remote controlled mirror switch installed in door	N	A
RADIO AND TAPE PLAYER	L.H. drive vehicles with single cab and club cab	I	P
	L.H. drive vehicles with double cab	I	P
	R.H. drive vehicles	I	P
CLOCK	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
CIGARETTE LIGHTER	–	I	P
ANTI-SKID BRAKING SYSTEM	2WD	I	R
	4WD	I	R
REAR DIFFERENTIAL LOCK SYSTEM	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
PART TIME 4WD	–	I	P
RHEOSTAT	–	I	P
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	Petrol-powered vehicles	I	D
	Diesel-powered vehicles	I	D
	–	N	A
IMMOBILIZER SYSTEM	Petrol-powered vehicles	I	P
	Diesel-powered vehicles	I	P
LIGHTING MONITOR BUZZER	L.H. drive vehicles	I	P
	R.H. drive vehicles	I	P
HEATED SEAT	–	I	P
INTERCOOLER FAN	–	I	P
FUEL LINE HEATER	–	I	P

WIRING HARNESS CONFIGURATION DIAGRAMS

CONTENTS

ENGINE COMPARTMENT

4D56 <L.H. drive vehicles>	2-2
4D56 <R.H. drive vehicles>	2-6

DASH PANEL

L.H. drive vehicles	2-10
R.H. drive vehicles	2-16

CABIN

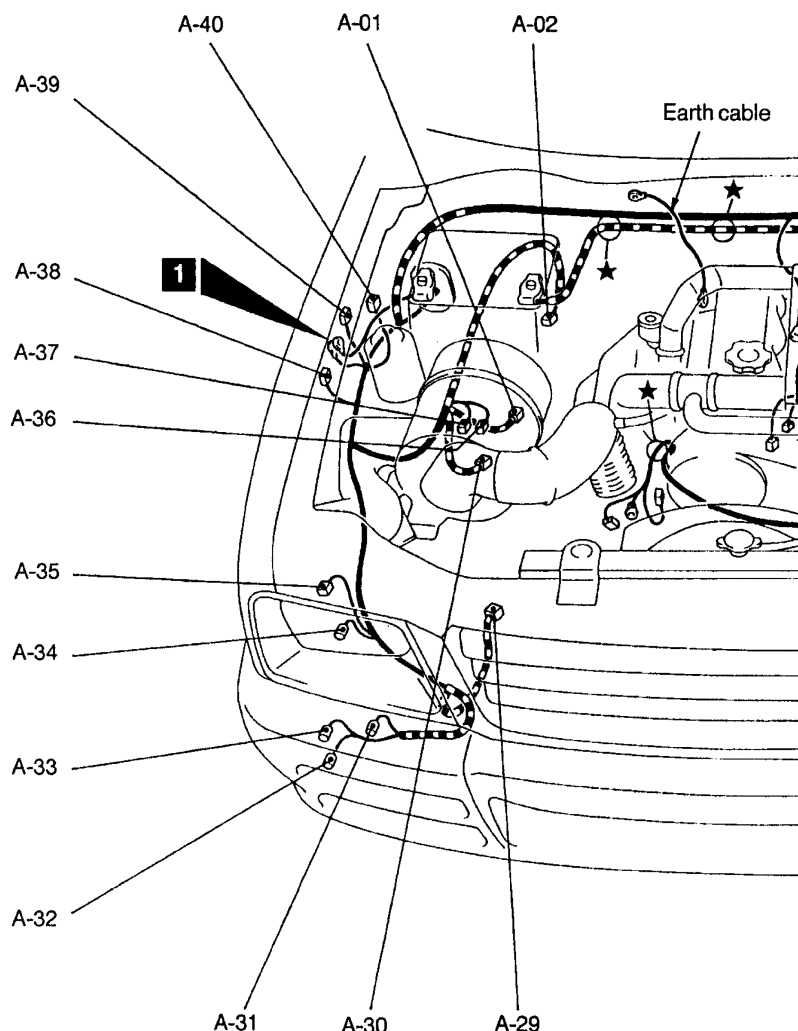
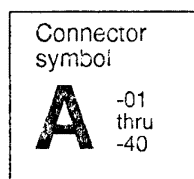
Single cab <L.H. drive vehicles>	2-22
Single cab <R.H. drive vehicles>	2-23
Club cab	2-24
Double cab <L.H. drive vehicles>	2-25
Double cab <R.H. drive vehicles>	2-26

DOOR

Single cab and club cab <L.H. drive vehicles>	2-27
Single cab <R.H. drive vehicles>	2-28
Double cab <L.H. drive vehicles>	2-29
Double cab <R.H. drive vehicles>	2-30

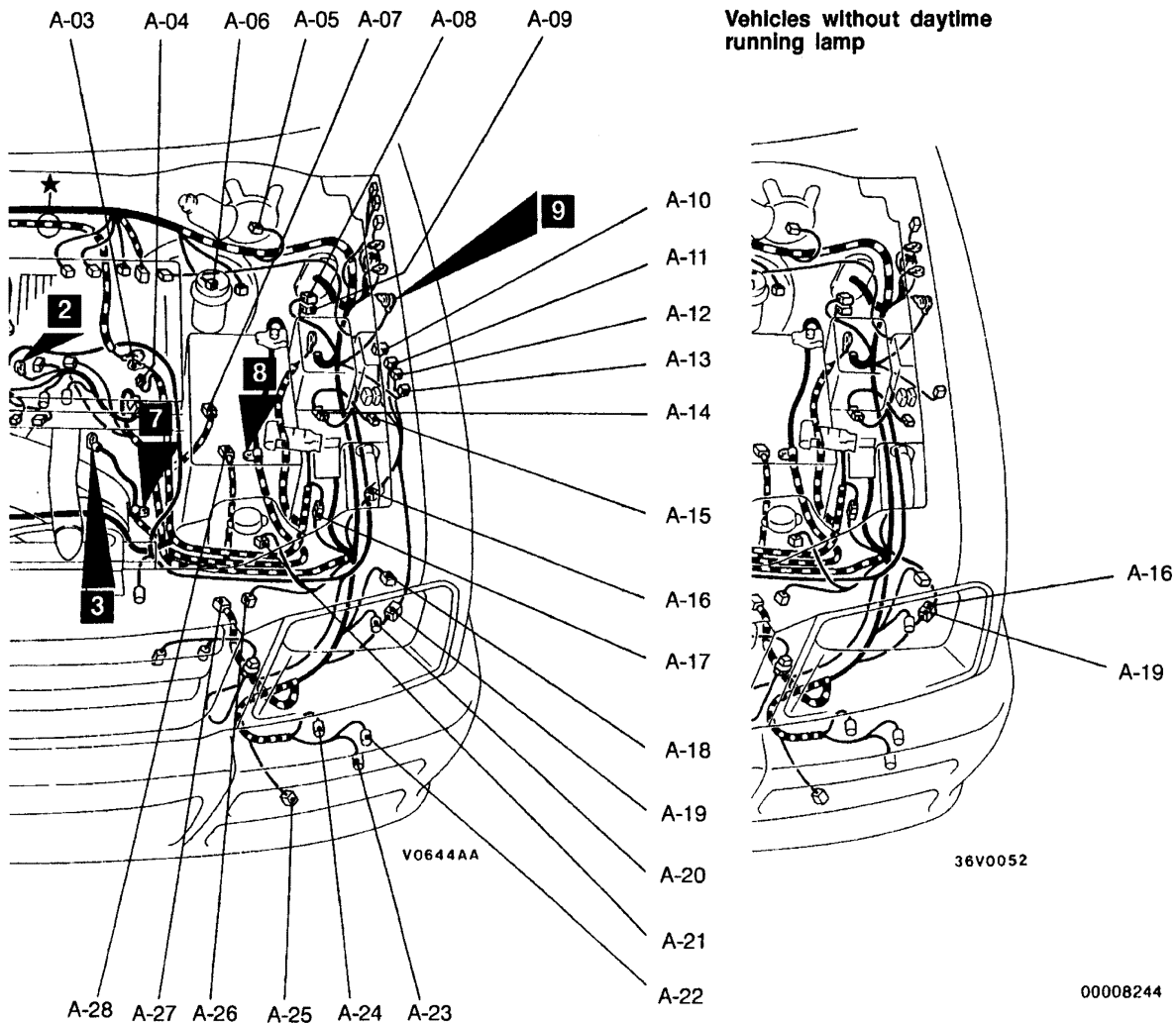
ENGINE COMPARTMENT

4D56 <L.H. drive vehicles>



A-01 (2-B)	Wheel speed sensor (front: RH) <2WD-ABS>
A-02 (2-GR)	Free-wheeling hub engage switch <4WD>
A-03 (1)	Starter
A-04 (1-B)	Starter
A-05 (4-B)	Windshield wiper motor
A-06 (2-B)	Brake fluid level sensor
A-07 (2-B)	Wheel speed sensor (front: LH) <2WD-ABS>
A-08 (2-B)	ABS hydraulic unit
A-09 (10-B)	ABS hydraulic unit
A-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)

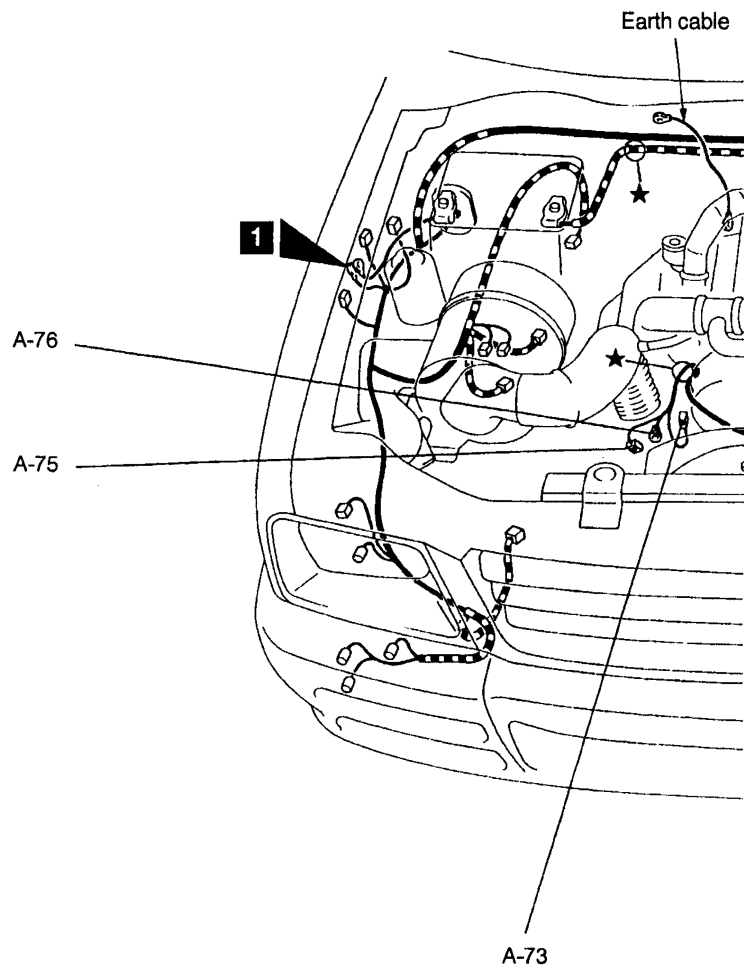
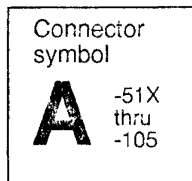


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A-21 (2-B)	Headlamp washer motor
A-22 (1)	Horn (LO)
A-23 (1)	Horn (LO)
A-24 (3-B)	Front combination lamp (LH)
A-25 (2-B)	Outside thermo sensor or no connection
A-26 (2-B)	Windshield washer motor
A-27 (2-R)	Front impact sensor (LH) <SRS>
A-28 (2-B)	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>

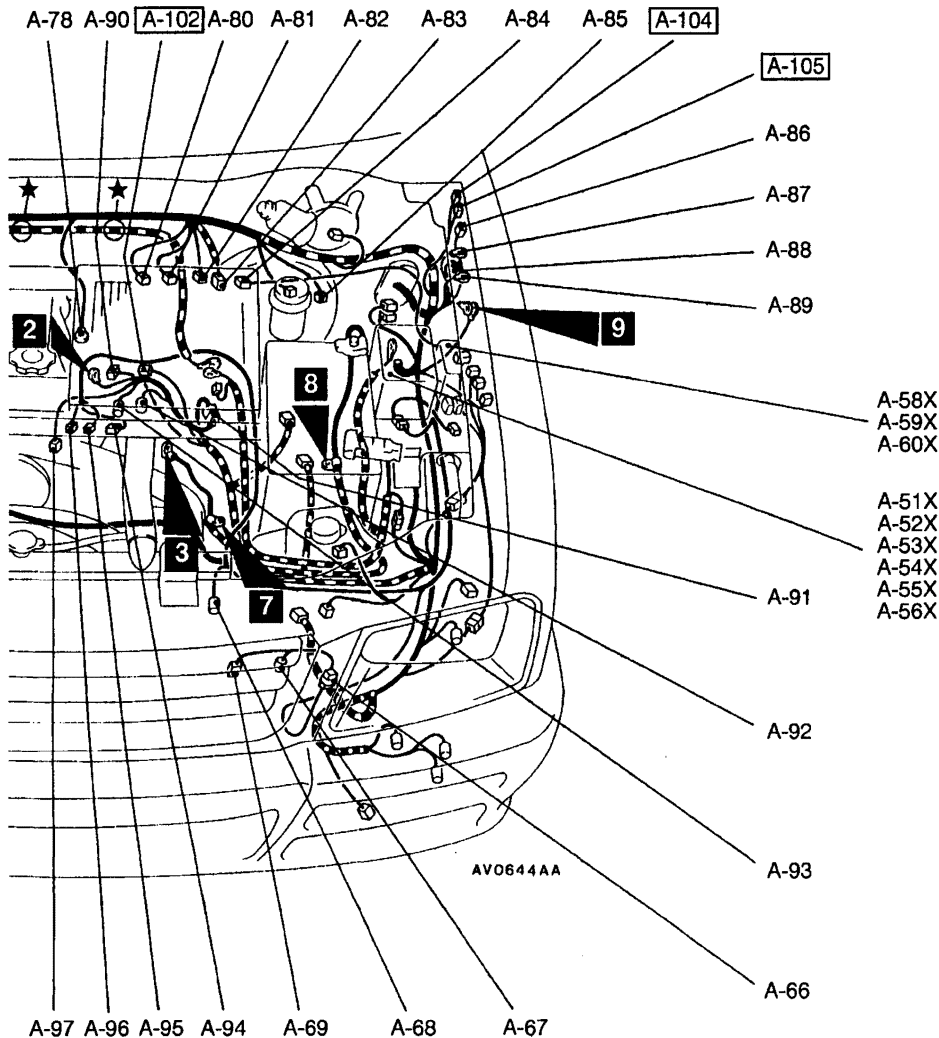
A-31 (3-B)	Front combination lamp (RH)
A-32 (1)	Horn (HI)
A-33 (1)	Horn (HI)
A-34 (3-B)	Headlamp (RH)
A-35 (3)	Headlamp leveling unit (RH)
A-36 (2-B)	Solenoid valve 1 <4WD>
A-37 (2-B)	Solenoid valve 2 <4WD>
A-38 (5-B)	ABS motor relay
A-39 (6-B)	ABS valve relay
A-40 (4-B)	Horn relay <SRS>

4D56 <L.H. drive vehicles>



A-51X (4)	Alternator relay
A-52X (5)	Starter relay
A-53X (5)	Intercooler fan relay
A-54X (5)	Headlamp relay
A-55X (5)	Tail lamp relay
A-56X (2)	Storage connector
A-58X (4)	A/C compressor relay
A-59X (4)	Condenser fan relay
A-60X (4)	Condenser fan control relay
A-66 (2)	Capacitor <A/C>
A-67 (2)	Dual pressure switch <A/C>
A-68 (1)	Magnetic clutch <A/C>

A-69 (2)	Condenser fan motor <A/C>
A-73 (1-B)	Oil pressure switch
A-75 (2-B)	Alternator
A-76 (1)	Alternator
A-78 (1)	Glow plug
A-80 (2-BR)	Intake air temperature switch
A-81 (2-B)	Intercooler fan motor
A-82 (2-GR)	Fuel line heater
A-83 (2-B)	Water level switch
A-84 (2)	Idle-up solenoid valve <A/C>
A-85 (2-B)	Vacuum switch



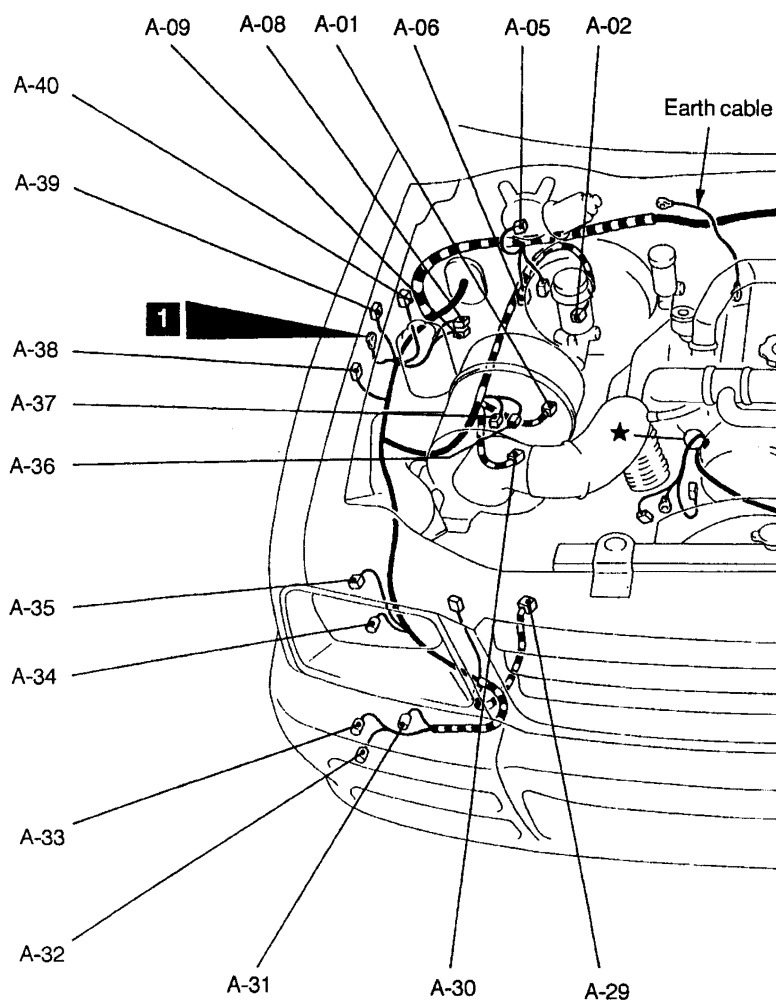
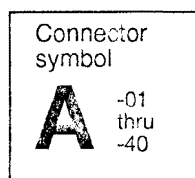
A-86 (4-B) Fuel line heater relay
 A-87 (1) Glow plug relay
 A-88 (1-B) Glow plug relay
 A-89 (1) Glow plug relay
 A-90 (3-B) Fuel cut valve-ECU
 A-91 (6-B) Fuel injection pump wiring harness and front wiring harness combination
 A-92 (1) Fuel cut solenoid valve
 A-93 (2) Revolution pick-up sensor
 A-94 (1) Lever (throttle) position switch <A/C-A/T>

A-95 (2) Engine coolant temperature switch (for A/C compressor control)
 A-96 (1) Engine coolant temperature switch (for condenser fan control)
 A-97 (2) Engine coolant temperature sensor and gauge unit
 A-102 (4-B) Lever (throttle) position sensor
 A-104 (2-B) EGR solenoid valve (1)
 A-105 (2-B) EGR solenoid valve (2)

Remark
 Connector numbers enclosed by a frame have been newly added.

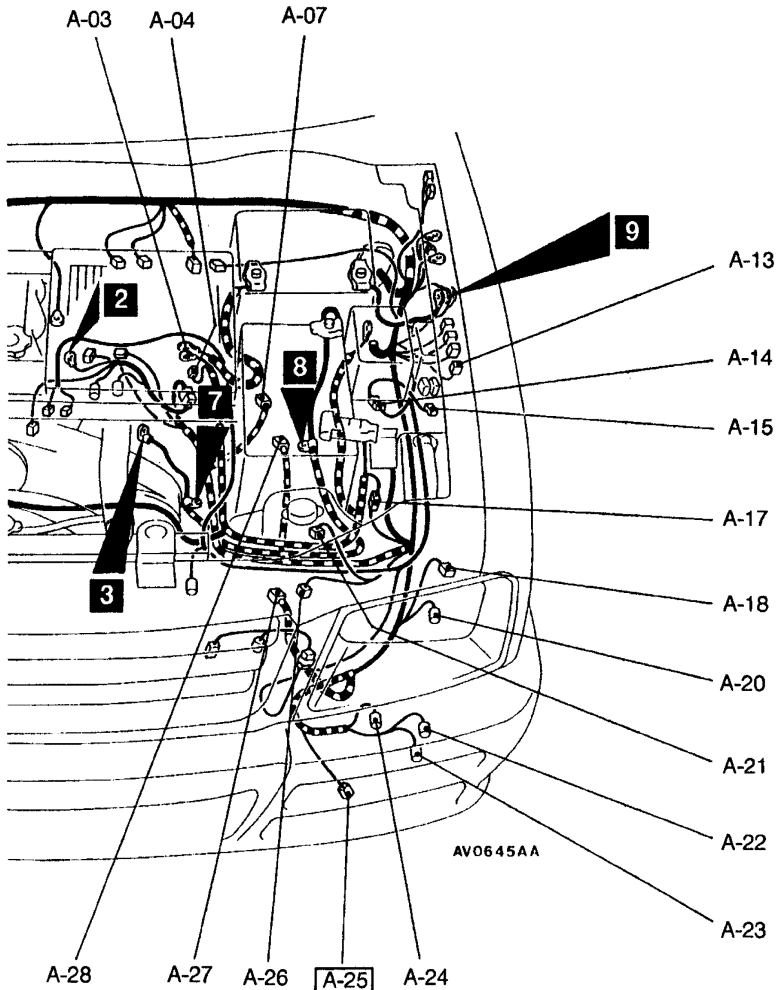
ENGINE COMPARTMENT

4D56 <R.H. drive vehicles>



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

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

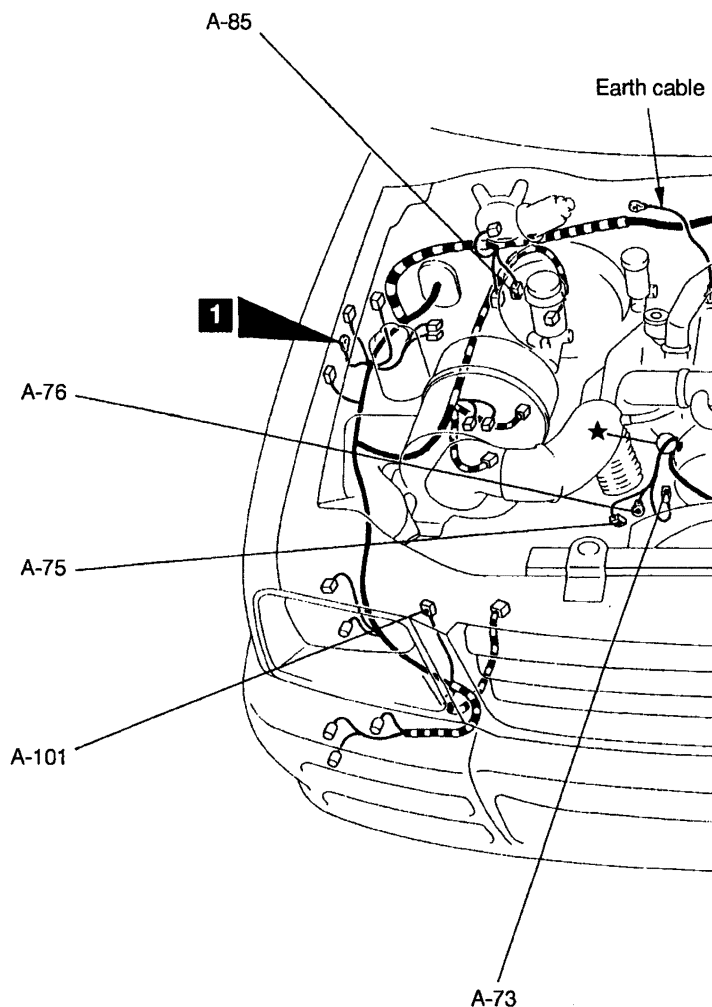
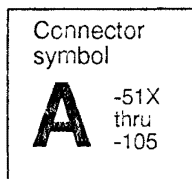


A-21 (2-B)	Headlamp washer motor
A-22 (1)	Horn (LO)
A-23 (1)	Horn (LO)
A-24 (3-B)	Front combination lamp (LH)
A-25 (2-B)	Outside thermo sensor or no connection
A-26 (2-B)	Windshield washer motor
A-27 (2-R)	Front impact sensor (LH) <SRS>
A-28 (2-B)	Wheel speed sensor (front: LH) <4WD-ABS>
A-29 (2-R)	Front 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>

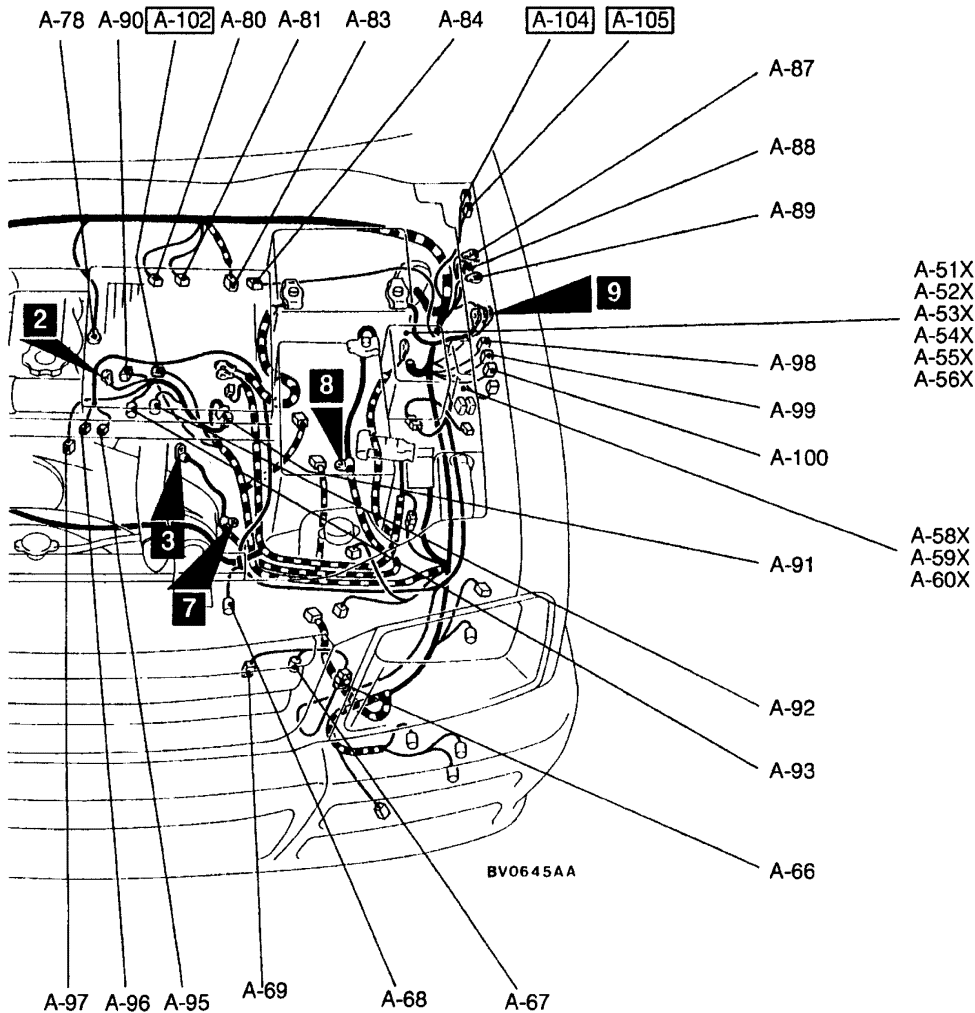
Remark
Connector number enclosed by a frame has been newly added.

4D56 <R.H. drive vehicles>



A-51X (4) Alternator relay
 A-52X (5) Starter relay
 A-53X (5) Intercooler fan relay
 A-54X (5) Headlamp relay
 A-55X (5) Tail lamp relay
 A-56X (2) Storage connector
 A-58X (4) A/C compressor relay
 A-59X (4) Condenser fan relay
 A-60X (4) Condenser fan control relay
 A-66 (2) Capacitor <A/C>
 A-67 (2) Dual pressure switch <A/C>
 A-68 (1) Magnetic clutch <A/C>

A-69 (2) Condenser fan motor <A/C>
 A-73 (1-B) Oil pressure switch
 A-75 (2-B) Alternator
 A-76 (1) Alternator
 A-78 (1) Glow plug
 A-80 (2-BR) Intake air temperature switch
 A-81 (2-B) Intercooler fan motor
 A-83 (2-B) Water level switch
 A-84 (2) Idle-up solenoid valve <A/C>
 A-85 (2-B) Vacuum switch
 A-87 (1) Glow plug relay
 A-88 (1-B) Glow plug relay



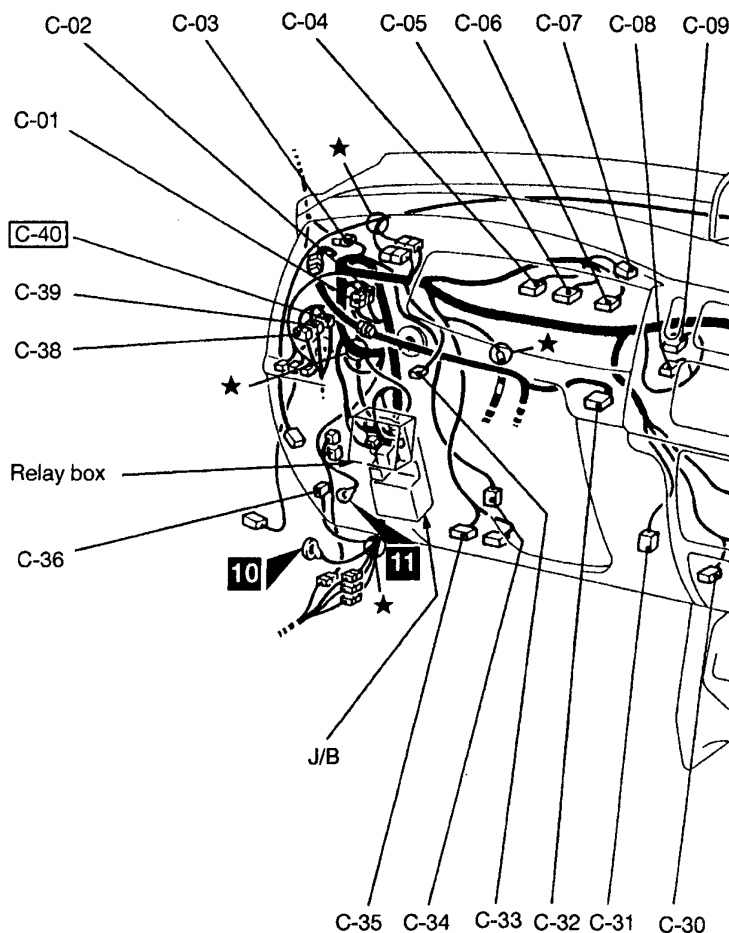
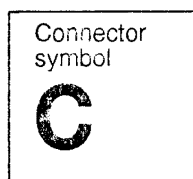
A-89 (1) Glow plug relay
 A-90 (3-B) Fuel cut valve-ECU
 A-91 (6-B) Fuel injection pump wiring harness and front wiring harness combination
 A-92 (1) Fuel cut solenoid valve
 A-93 (2) Revolution pick-up sensor
 A-95 (2) Engine coolant temperature switch (for A/C compressor control)
 A-96 (1) Engine coolant temperature switch (for condenser fan control)
 A-97 (2) Engine coolant temperature sensor and gauge unit

A-98 (4-G) Dim-dip lamp relay 3
 A-99 (4-BR) Dim-dip lamp relay 2
 A-100 (4-B) Dim-dip lamp relay 1
 A-101 (2-B) Dim-dip lamp resistor
 A-102 (4-B) Lever (throttle) position sensor
 A-104 (2-B) EGR solenoid valve (1)
 A-105 (2-B) EGR solenoid valve (2)

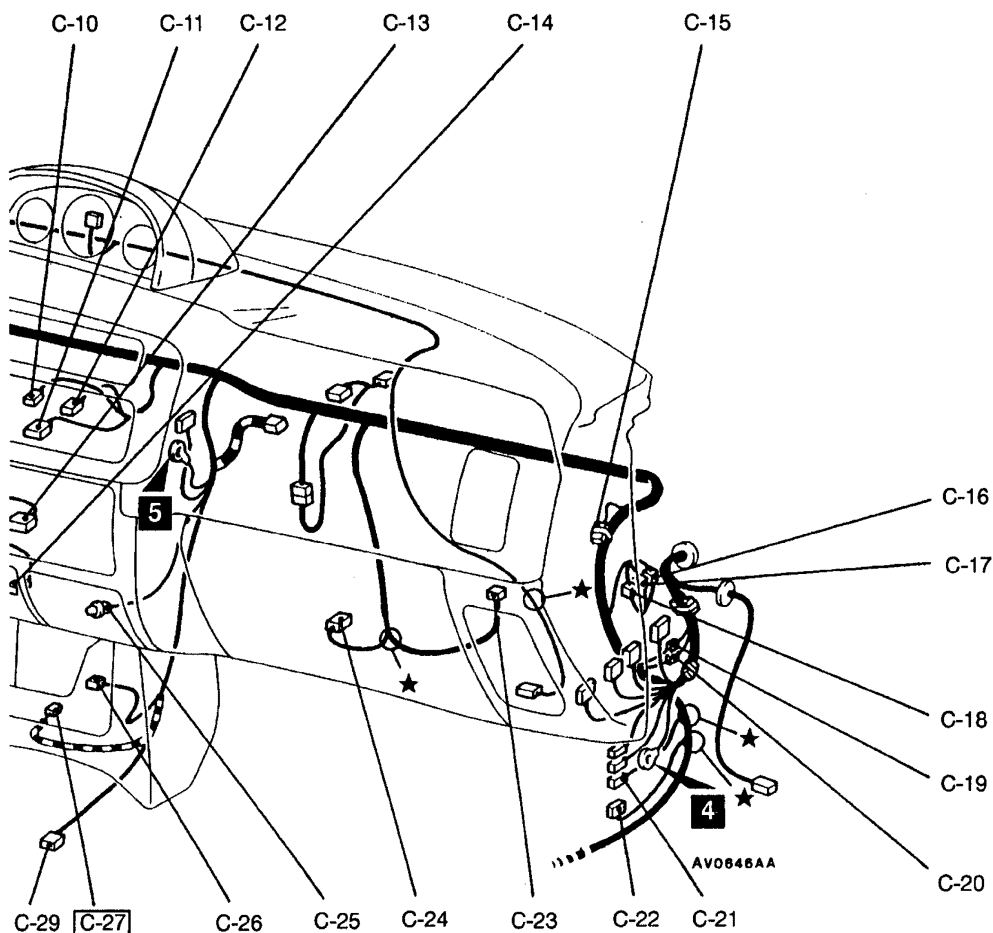
Remark
 Connector numbers enclosed by a frame have been newly added.

DASH PANEL

L.H. drive vehicles



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

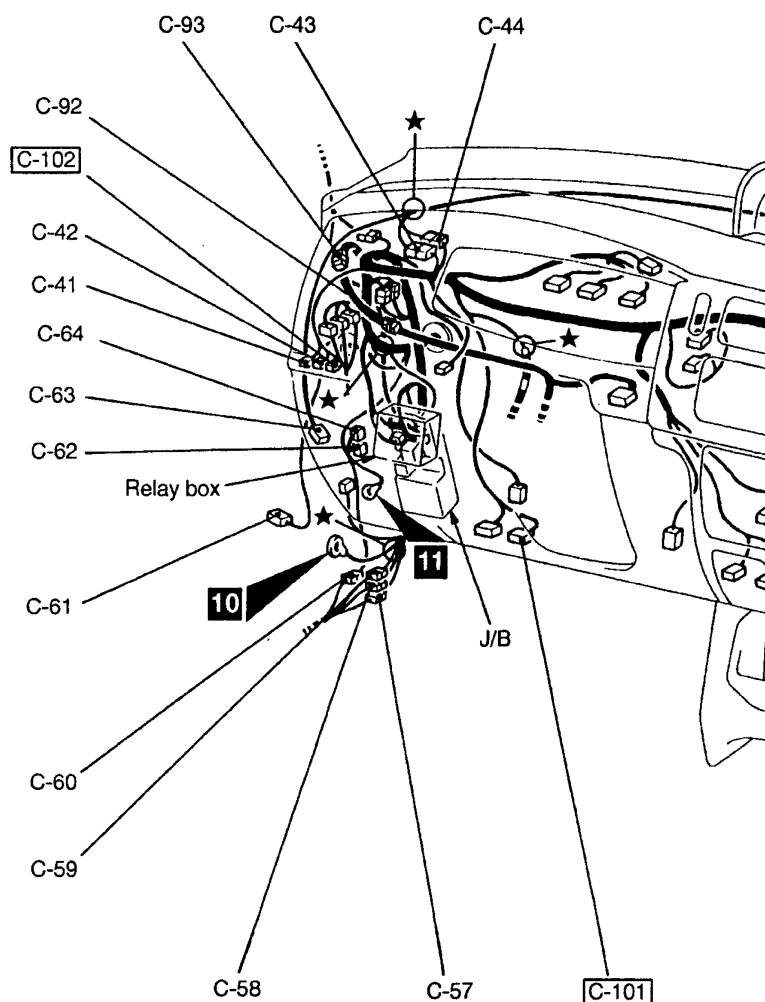
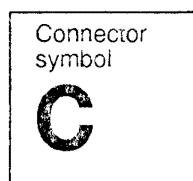


- C-20 (7) Body wiring harness and front wiring harness combination
- C-21 (10-B) Rear differential lock-ECU
- C-22 (10) 4WD indicator-ECU
- C-23 (2-L) Blower motor
- C-24 (4-L) Blower resistor
- C-25 (2) Ashtray illumination lamp
- C-26 (3-B) G sensor <ABS>
- C-27 (21-Y) SRS-ECU
- C-29 (6) Overdrive switch
- C-30 (1) Cigarette lighter
- C-31 (1-B) Parking brake switch or no connection
- C-32 (4) Headlamp leveling switch
- C-33 (8) Rear differential lock switch

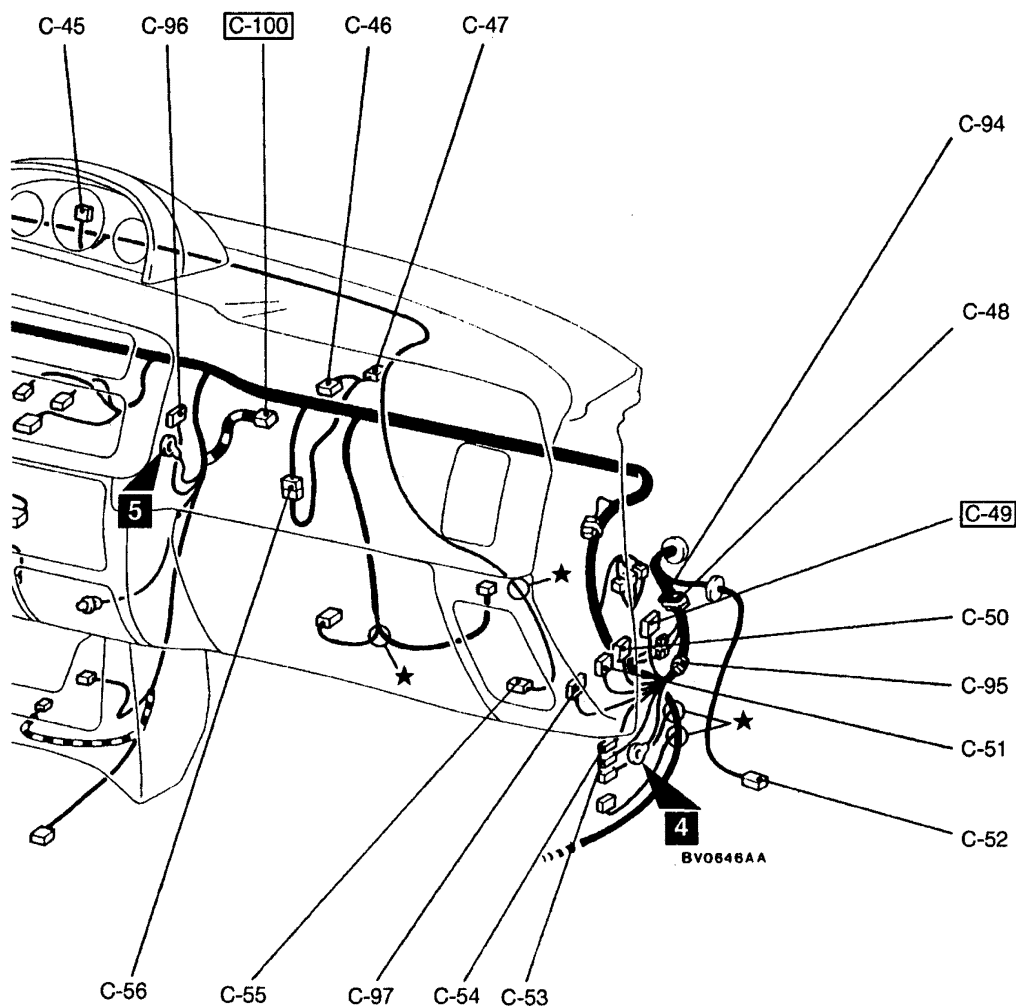
- C-34 (2) Stop lamp switch
- C-35 (16-B) Diagnosis connector (1)
- C-36 (16-B) Immobilizer-ECU
- C-38 (7) Body wiring harness and front door wiring harness (driver's side) combination
- C-39 (10) Body wiring harness and front door wiring harness (driver's side) combination
- C-40 (9) Body wiring harness and front door wiring harness (driver's side) combination

Remark
Connector numbers enclosed by a frame are connectors whose number of terminals has been changed.

L.H. drive vehicles



C-41 (6-B)	Rear fog lamp switch	C-51 (12-Y)	Engine-ECU <Petrol>
C-42 (4)	Rheostat or 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)	Engine control relay <Petrol>
C-44 (11)	Body wiring harness and instrument panel wiring harness combination	C-53 (4-BR)	Intercooler fan-ECU <Diesel>
C-45 (14)	Multi-meter	C-54 (4)	Fuel pump relay <Petrol>
C-46 (3)	Thermostat	C-55 (2-B)	Front speaker (RH)
C-47 (8)	Compressor-ECU	C-56 (12)	Thermostat wiring harness and body wiring harness combination
C-48 (2-B)	Diode (for ABS circuit)	C-57 (20)	Body wiring harness and transmission wiring harness combination
C-49 (2-B-Y)	Engine-ECU or Glow-ECU	C-58 (3)	Body wiring harness and transmission wiring harness combination
C-50 (16-Y)	Engine-ECU <Petrol>		



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)

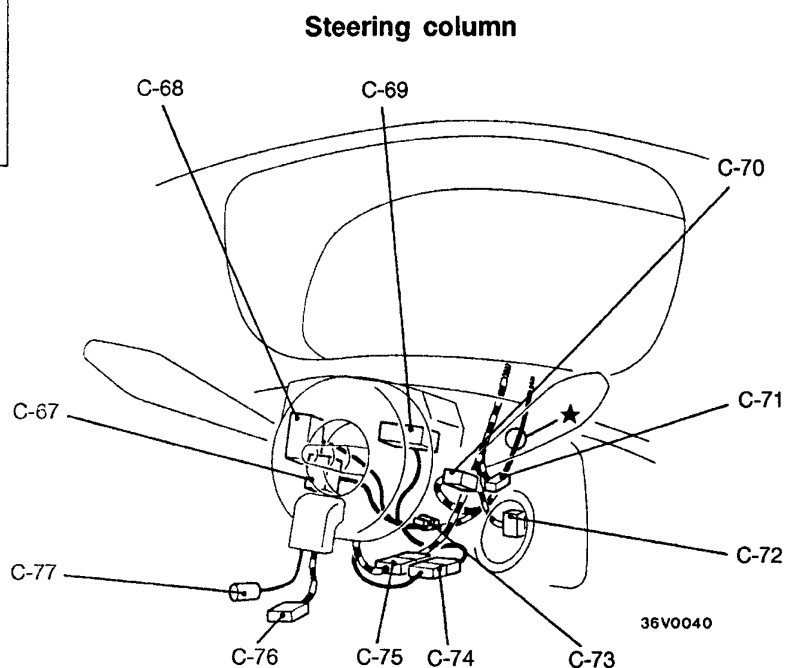
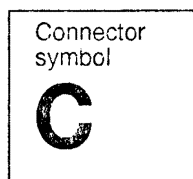
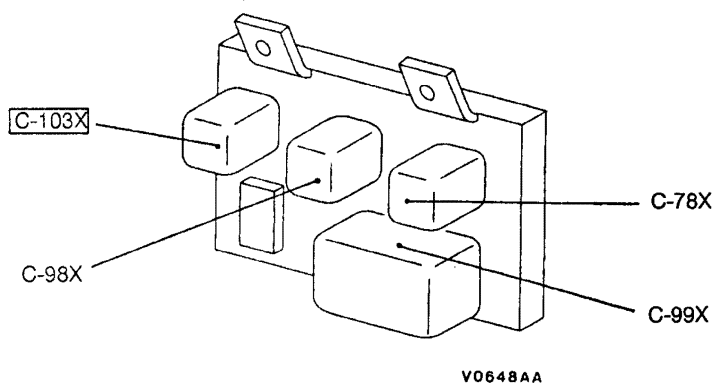
C-96 (4)	Defogger relay <Vehicles with defogger timer>
C-97 (22-Y)	Engine-ECU <Petrol>
C-100 (2-R)	Air bag module (squib) (passenger's side)
C-101 (12)	Diagnosis connector (2)
C-102 (8-B)	Remote controlled mirror switch

Remark

Connectors enclosed by a frame have been newly added connectors or connectors in which the number of pins has been changed.

DASH PANEL

L.H. drive vehicles

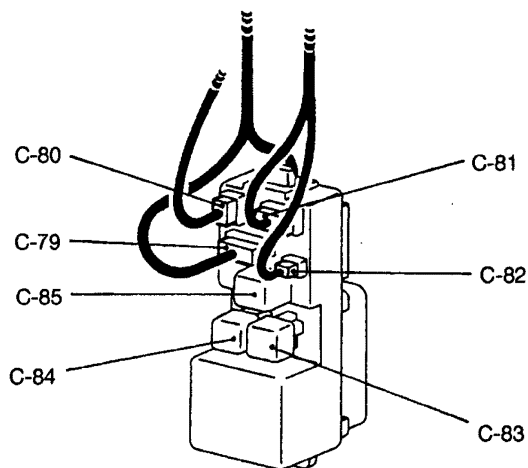
**Relay box in passenger compartment**

00008245

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)		

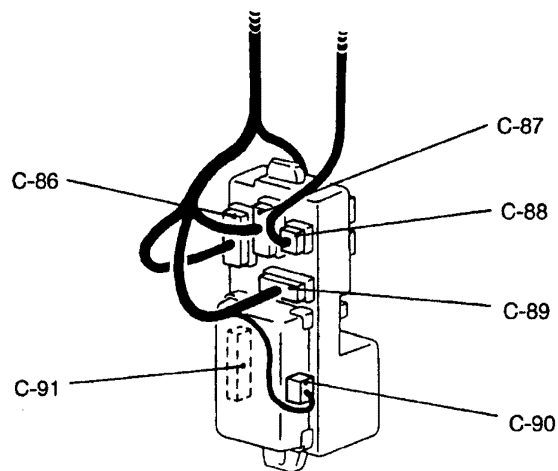
Junction block

<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 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

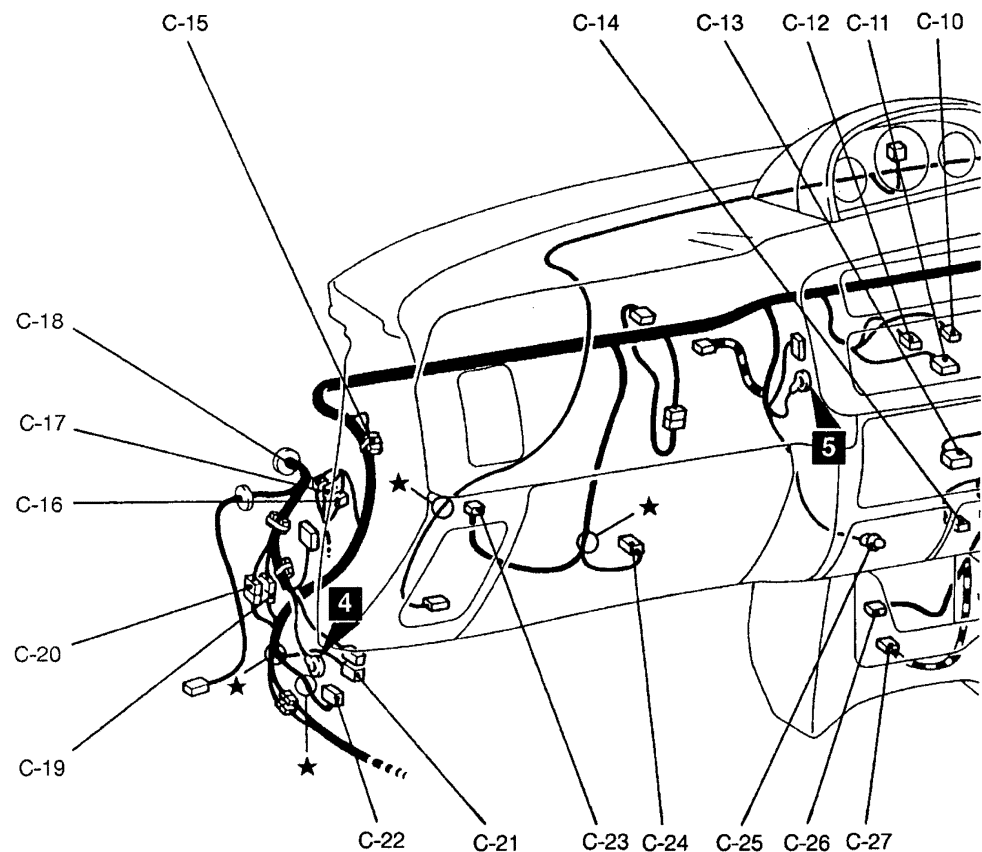
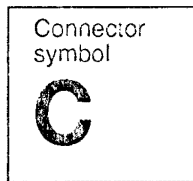
C-88 (4)	Front wiring harness and J/B combination
C-89 (8)	Body wiring harness and J/B combination
C-90 (8)	ETACS-ECU
C-91 (12)	ETACS-ECU or buzzer-ECU
C-98X (4)	Rear heater relay
C-99X (6)	Defogger timer
C-103X (4)	Overdrive relay

Remark

Connector number enclosed by a frame has been newly added connector.

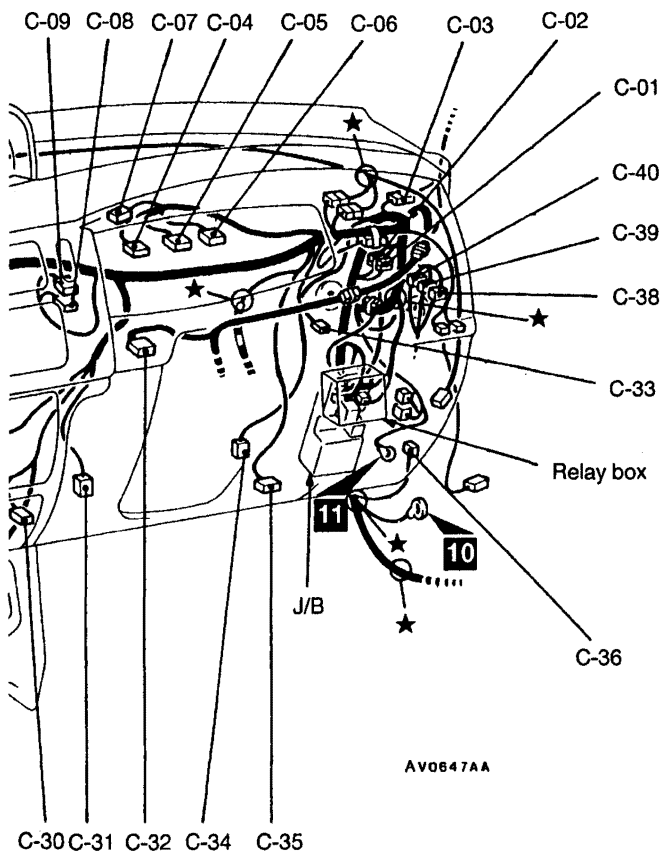
DASH PANEL

R.H. drive vehicles



C-01 (22)	Body wiring harness and front wiring harness combination
C-02 (17)	Body wiring harness and front wiring harness combination
C-03 (1)	Body wiring harness and roof wiring harness combination or no connection
C-04 (14)	Combination meter
C-05 (10)	Combination meter
C-06 (14-B)	Combination meter
C-07 (1-B)	Combination meter
C-08 (6)	Defogger switch or no connection
C-09 (10)	Hazard switch
C-10 (6)	A/C switch

C-11 (4)	Clock
C-12 (10)	Blower switch
C-13 (14)	Radio and tape player
C-14 (2)	Cigarette lighter
C-15 (1)	No connection (reed switch)
C-16 (5)	Body wiring harness and front door wiring harness (passenger's side) combination
C-17 (6)	Body wiring harness and front door wiring harness (passenger's side) combination
C-18 (7)	Body wiring harness and front door wiring harness (passenger's side) combination
C-19 (14)	Body wiring harness and front wiring harness combination

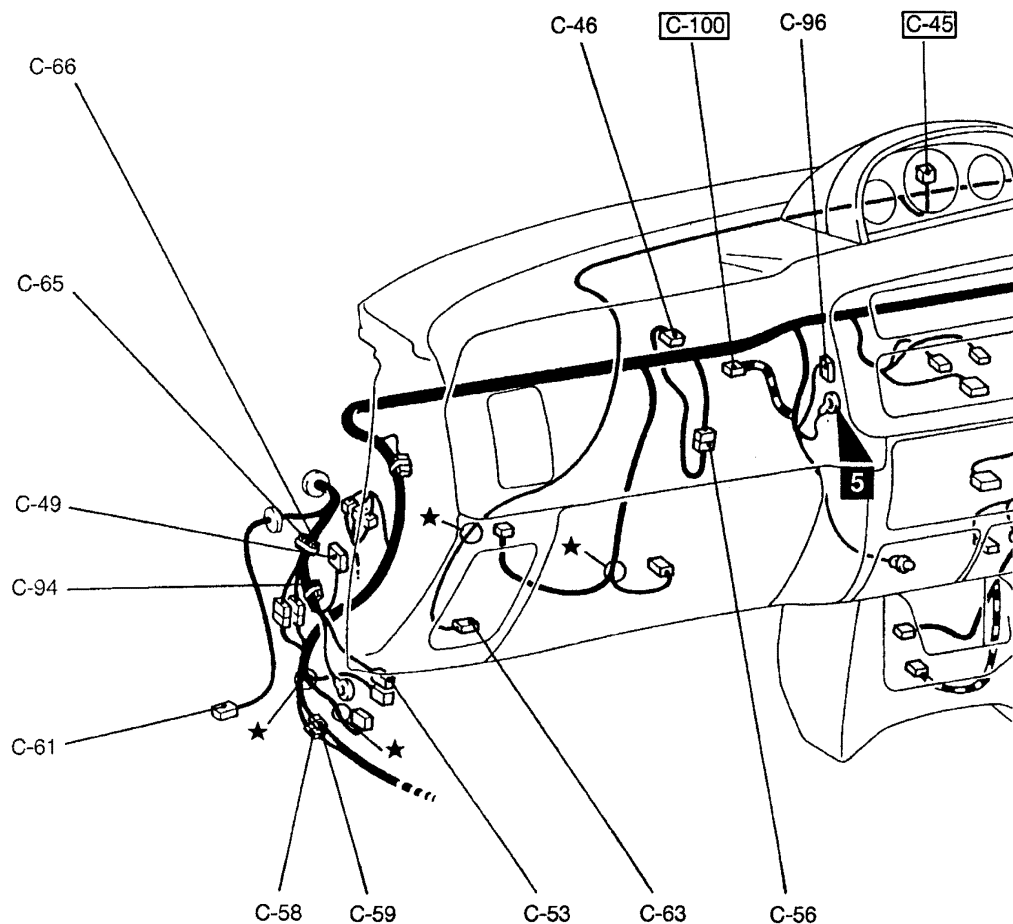
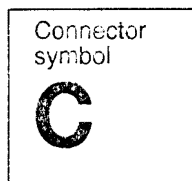


C-20 (7)	Body wiring harness and front wiring harness combination
C-21 (10-B)	Rear differential lock-ECU
C-22 (10)	4WD indicator-ECU
C-23 (2)	Blower motor
C-24 (4-L)	Blower resistor
C-25 (2)	Ashtray illumination lamp
C-26 (3-B)	G sensor <ABS>
C-27 (21-Y)	SRS-ECU
C-30 (1)	Cigarette lighter
C-31 (1-B)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

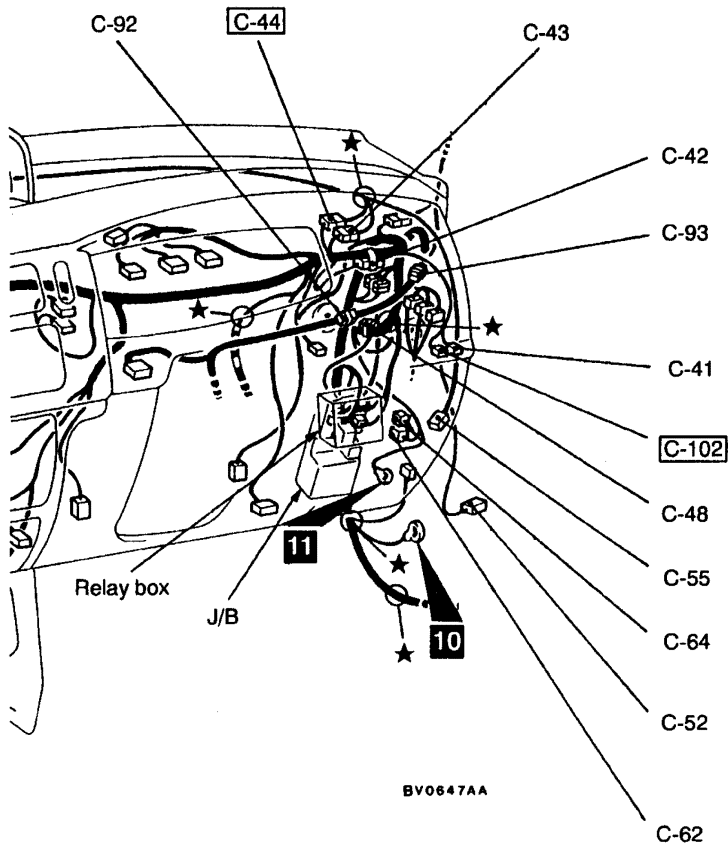
Remark
Connector numbers enclosed by a frame **C-40** are connectors whose number of terminals has been changed.

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
<u>C-44</u> (11)	Body wiring harness and instrument panel wiring harness combination
<u>C-45</u> (14)	Multi-meter
C-46 (3)	Thermostat
C-48 (2-B)	Diode (for ABS circuit)
<u>C-49</u> (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



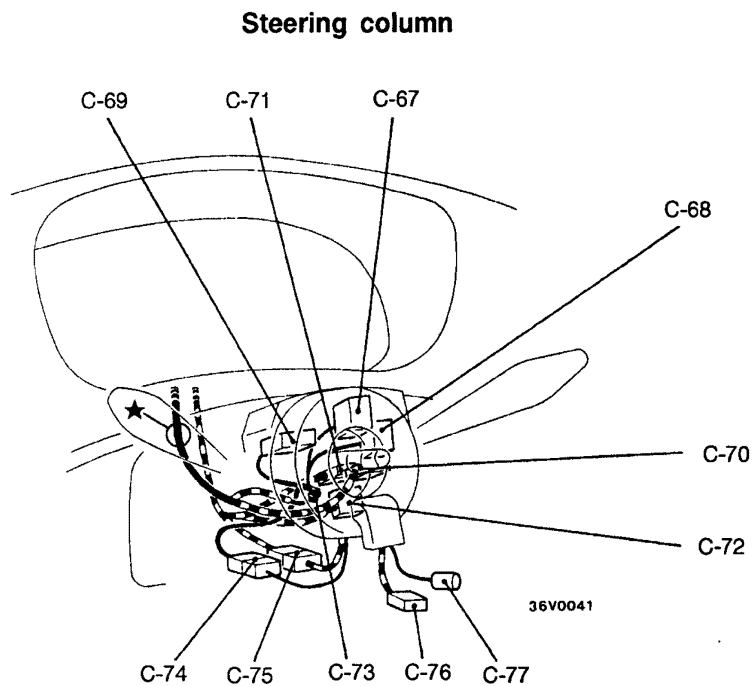
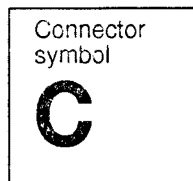
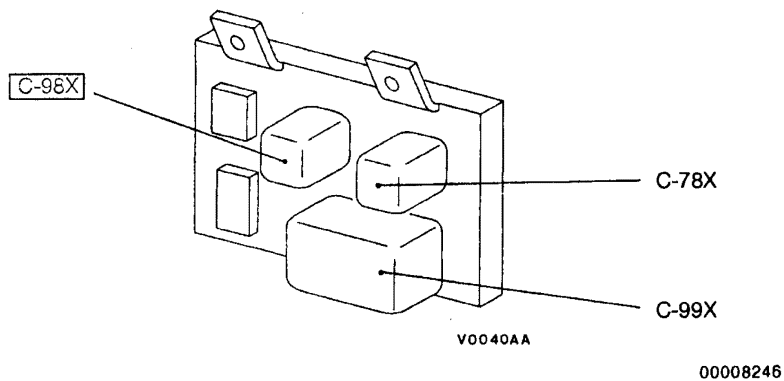
C-61 (2-BR) Side turn signal lamp (LH)
 C-62 (26-Y) ABS-ECU
 C-63 (2-B) Front speaker (LH)
 C-64 (22-Y) ABS-ECU
 C-65 (3) Diode (for dim-dip lamp circuit)
 C-66 (2-B) Diode (for dim-dip lamp circuit)
 C-92 (19-GR) J/C (1)
 C-93 (19-GR) J/C (2)
 C-94 (19-GR) J/C (3)

C-96 (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

Remark
 Connectors enclosed by a frame have been newly added connectors or connectors in which the number of pins has been changed.

DASH PANEL

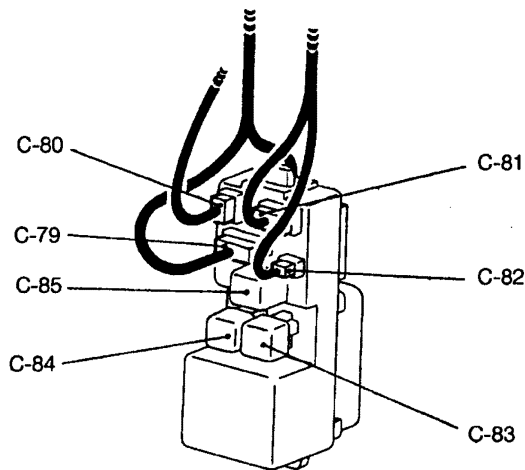
R.H. drive vehicles

**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)
C-70 (6-B)	Ignition switch	C-77 (1)	Horn switch
C-71 (2)	Ignition key ring antenna	C-78X (4)	Power window relay
C-72 (7)	Key reminder switch		
C-73 (2-B)	Diode (for headlamp and rear fog lamp circuit)		

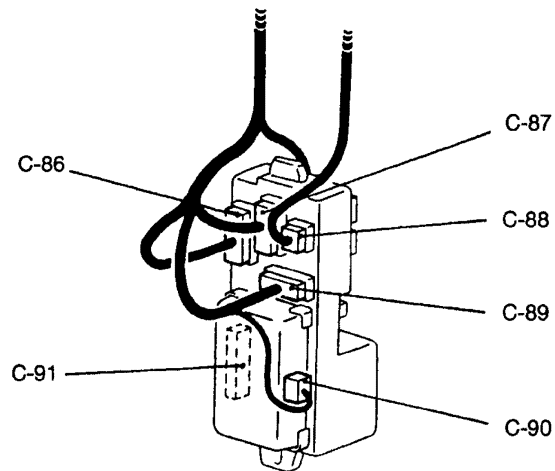
Junction block

<Front side view>



36V0039

<Rear side view>



36V0038

00005012

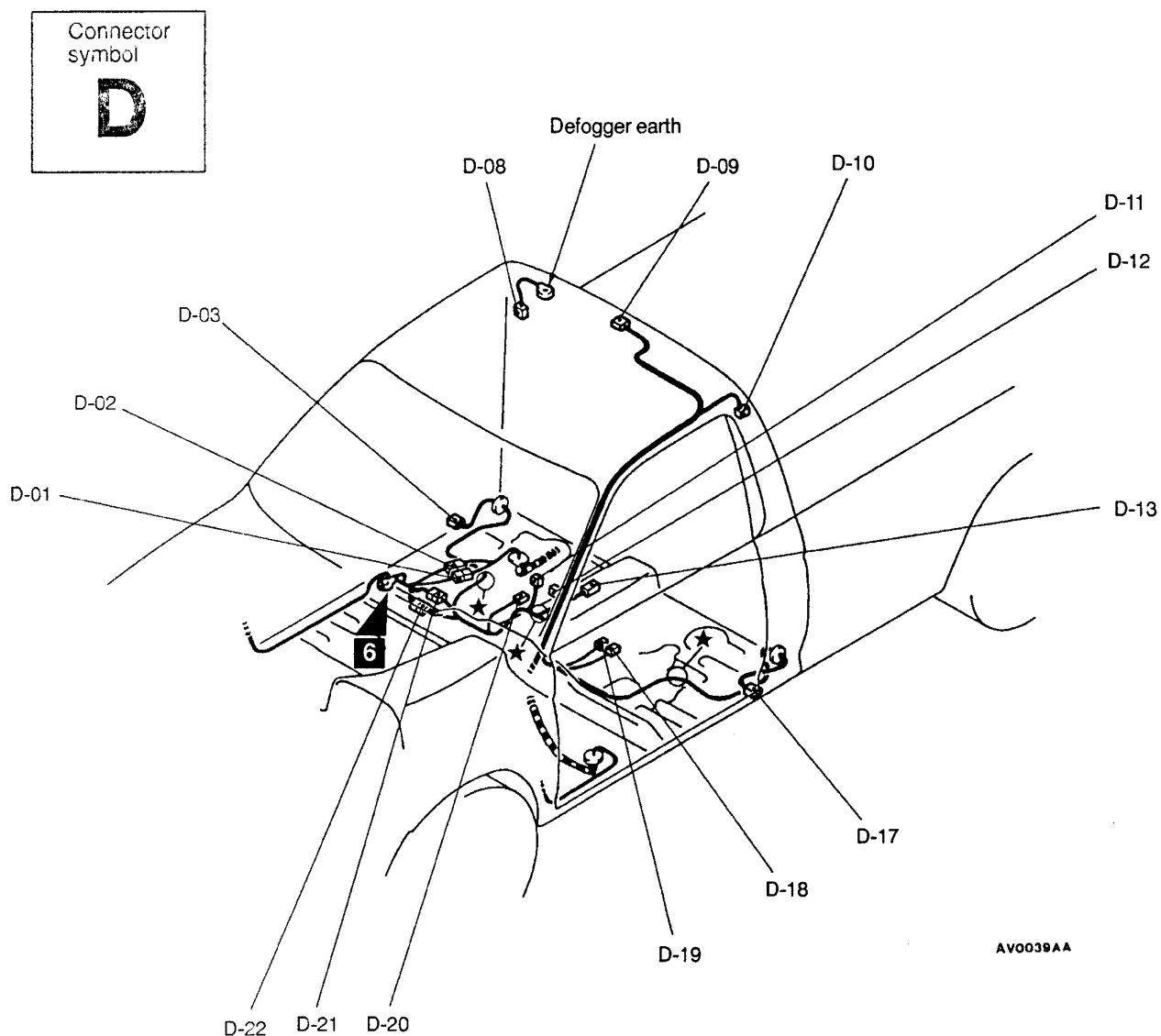
C-79 (16)	Body wiring harness and J/B combination
C-80 (2)	Roof wiring harness and J/B combination
C-81 (12)	Front wiring harness and J/B combination
C-82 (1)	Front wiring harness and J/B combination
C-83 (5)	Blower relay
C-84 (5)	Defogger relay
	<Vehicles without defogger timer>
C-85 (3)	Turn signal 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
C-91 (12)	ETACS-ECU or buzzer-ECU
C-98X (4)	Rear heater relay
C-99X (6)	Defogger timer

Remark
Connector numbers enclosed by a frame has been newly added connectors.

CABIN

Single cab <L.H. drive vehicles>



D-01 (6) Body wiring harness and frame wiring harness combination

D-02 (14) Body wiring harness and frame wiring harness combination

D-03 (2) Front door switch (passenger's side)

D-08 (1) Defogger (-)

D-09 (2) Room lamp

D-10 (1-B) Defogger (+)

D-11 (6) Heated seat switch (RH)

D-12 (6) Heated seat switch (LH)

D-13 (1-B) No connection

D-17 (2) Front door switch (driver's side)

D-18 (2) No connection

D-19 (3-B) Front seat assembly (LH)

D-20 (3-B) Front seat assembly (RH)

D-21 (9) Body wiring harness and floor wiring harness combination

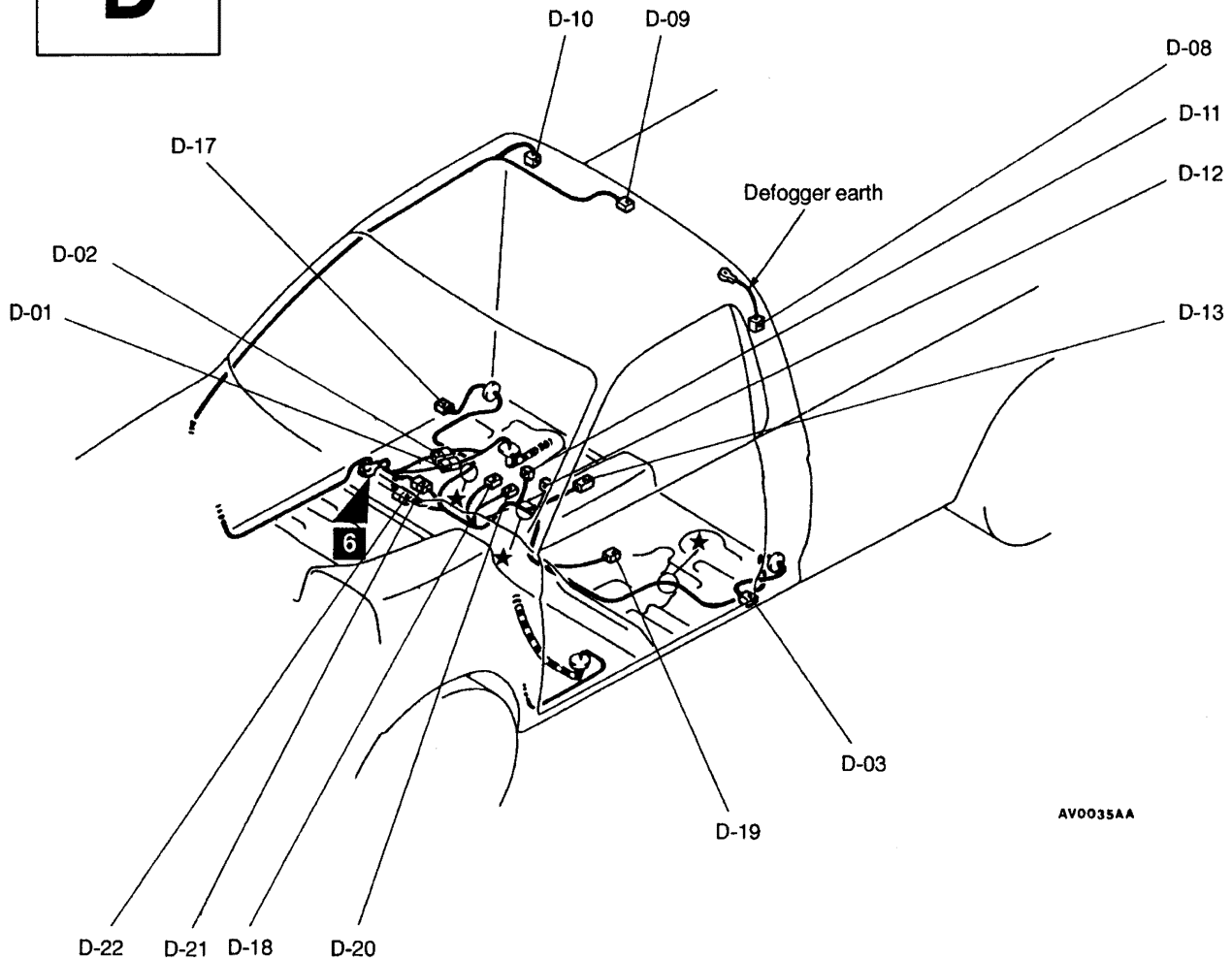
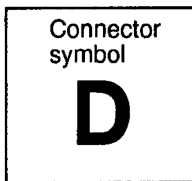
D-22 (16) Body wiring harness and floor wiring harness combination

Remark

Connector numbers enclosed by a frame D-08 are connectors whose number of terminals has been changed.

CABIN

Single cab <R.H. drive vehicles>



AV0035AA

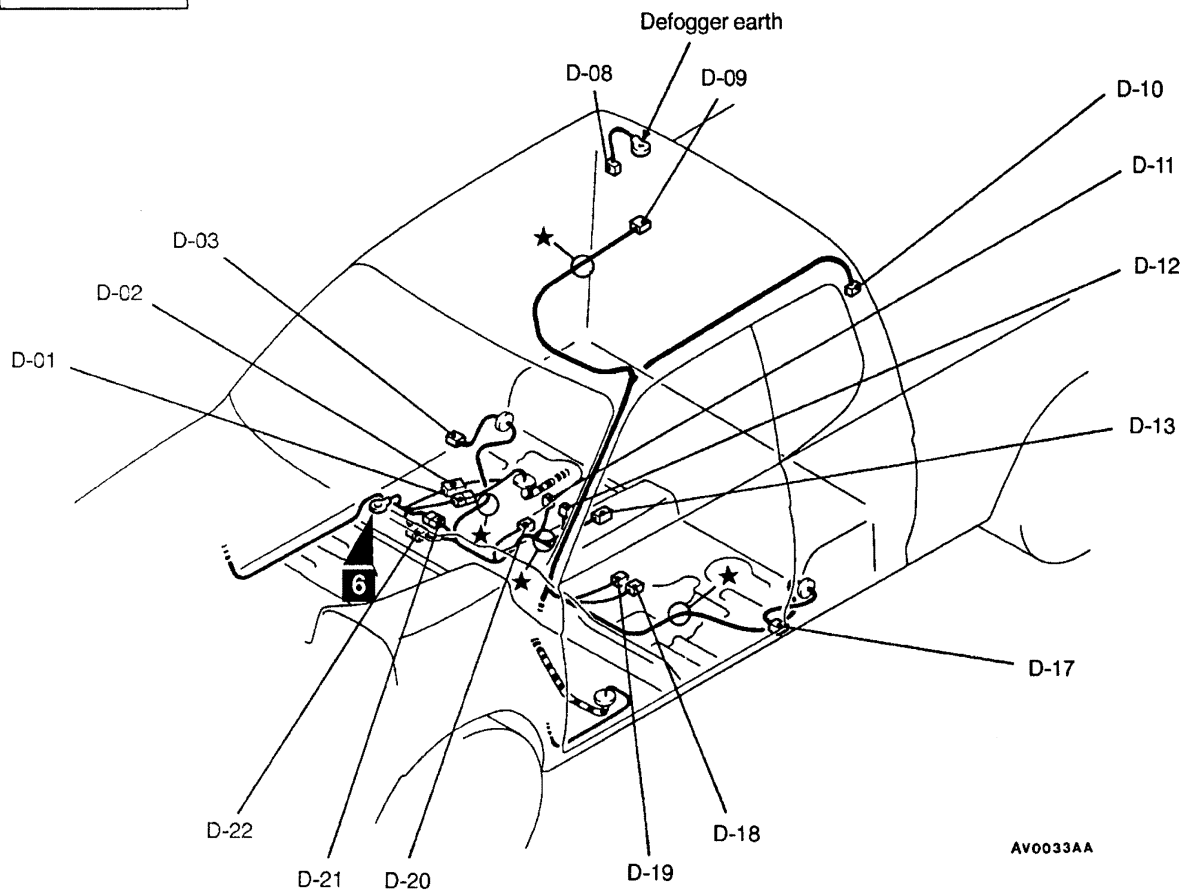
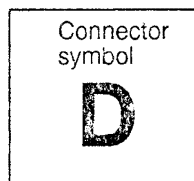
- D-01 (6) Body wiring harness and frame wiring harness combination
- D-02 (14) Body wiring harness and frame wiring harness combination
- D-03 (2) Front door switch (passenger's side)
- D-08 (1) Defogger (-)
- D-09 (2) Room lamp
- D-10 (1-B) Defogger (+)
- D-11 (6) Heated seat switch (RH)
- D-12 (6) Heated seat switch (LH)
- D-13 (1-B) No connection
- D-17 (2) Front door switch (driver's side)

- D-18 (2) No connection
- D-19 (3-B) Front seat assembly (LH)
- D-20 (3-B) Front seat assembly (RH)
- D-21 (9) Body wiring harness and floor wiring harness combination
- D-22 (16) Body wiring harness and floor wiring harness combination

Remark
Connector numbers enclosed by a frame are connectors for which the number of terminals has been changed.

CABIN

Club cab



AV0033AA

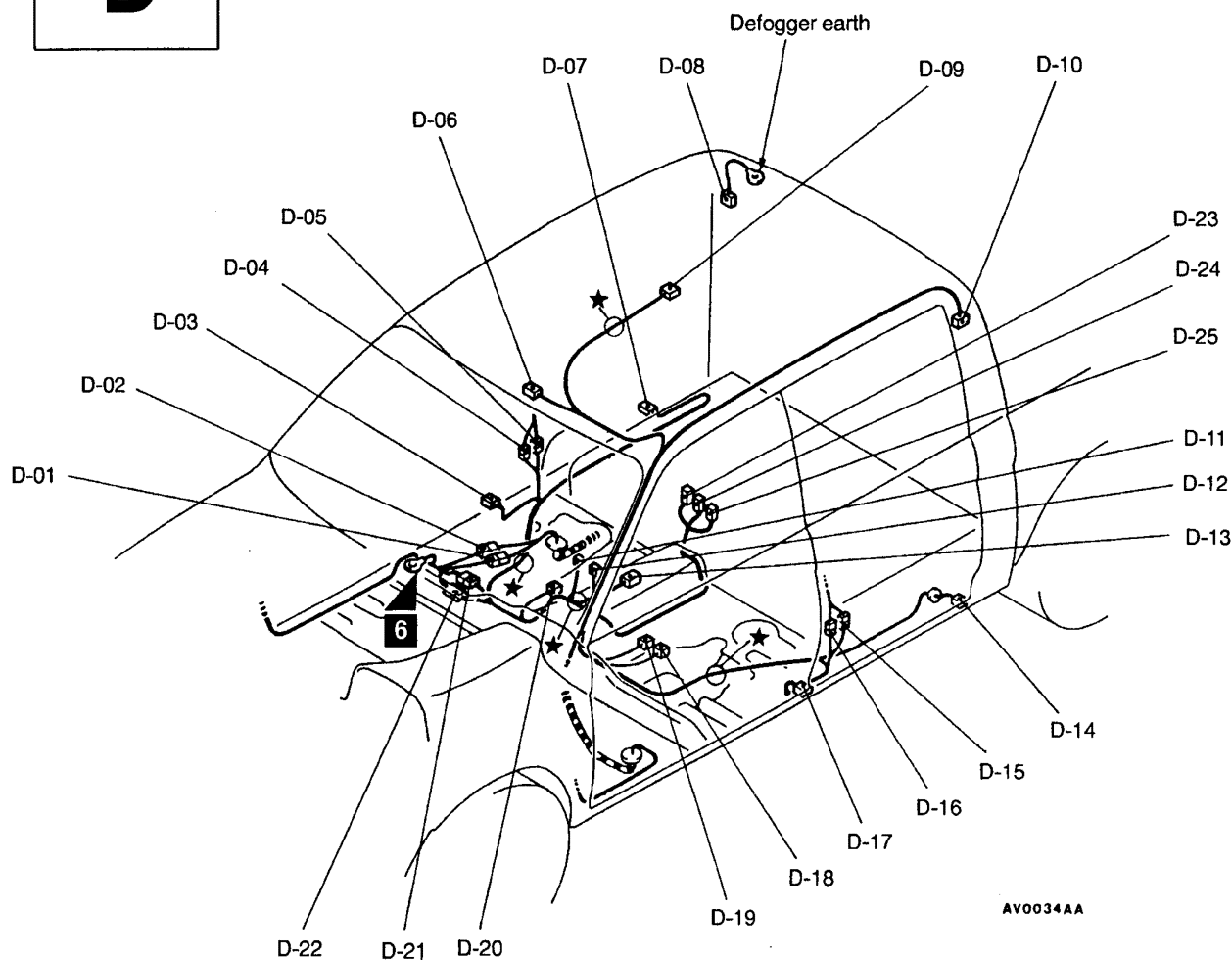
D-01 (6)	Body wiring harness and frame wiring harness combination	D-18 (2)	No connection
D-02 (14)	Body wiring harness and frame wiring harness combination	D-19 (3-B)	Front seat assembly (LH)
D-03 (2)	Front door switch (passenger's side)	D-20 (3-B)	Front seat assembly (RH)
D-08 (1)	Defogger (-)	D-21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

Remark

Connector numbers enclosed by a frame are connectors whose number of terminals has been changed.

CABIN

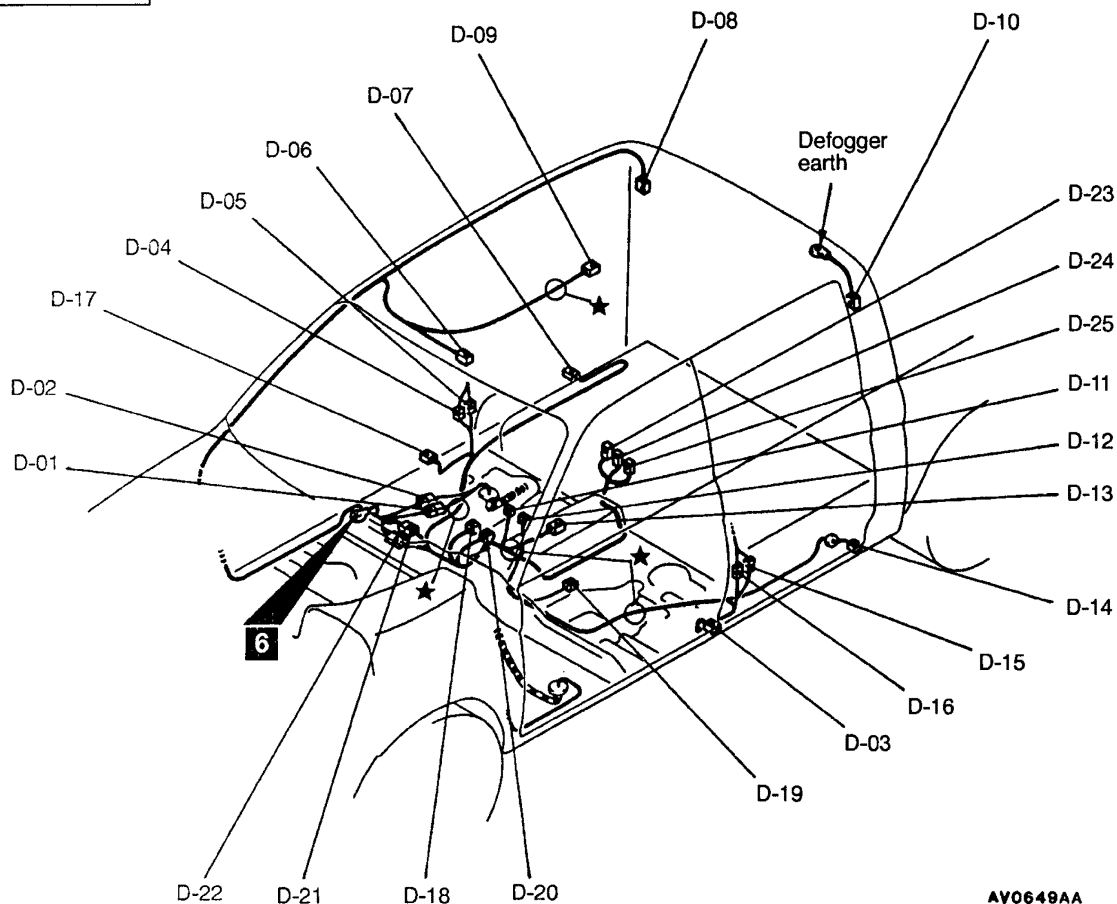
Double cab <L.H. drive vehicles>

Connector
symbol**D**

D-01 (6)	Body wiring harness and frame wiring harness combination	D-15 (5)	Floor wiring harness and rear door wiring harness (LH) combination
D-02 (14)	Body wiring harness and frame wiring harness combination	D-16 (6)	Floor wiring harness and rear door wiring harness (LH) combination
D-03 (2)	Front door switch (passenger's side)	D-17 (2)	Front door switch (driver's side)
D-04 (6)	Floor wiring harness and rear door wiring harness (RH) combination	D-18 (2)	No connection
D-05 (5)	Front wiring harness and rear door wiring harness (RH) combination	D-19 (3-B)	Front seat assembly (LH)
D-06 (1)	Map lamp	D-20 (3-B)	Front seat assembly (RH)
D-07 (2)	Rear door switch (RH)	D-21 (9)	Body wiring harness and floor wiring harness combination
D-08 (1)	Defogger (-)	D-22 (16)	Body wiring harness and floor wiring harness combination
D-09 (2)	Room lamp	D-23 (2)	Rear heater illumination lamp
D-10 (1-B)	Defogger (+)	D-24 (6)	Rear heater switch
D-11 (6)	Heated seat switch (RH)	D-25 (4)	Rear blower motor
D-12 (6)	Heated seat switch (LH)		
D-13 (1-B)	Parking brake switch		
D-14 (2)	Rear door switch (LH)		
		Remark	
		Connector numbers enclosed by a frame are connectors whose number of terminals has been changed.	

CABIN

Double cab <R.H. drive vehicles>

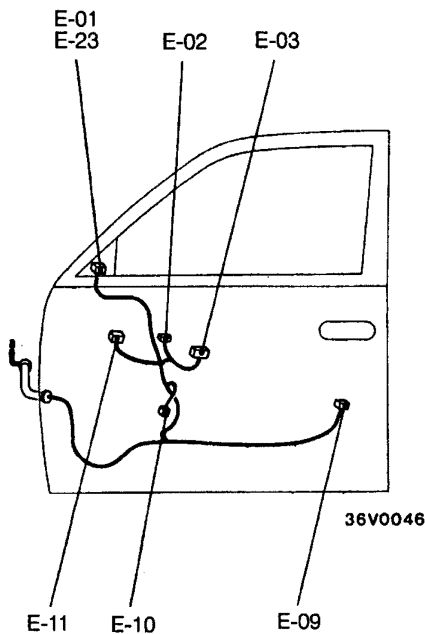
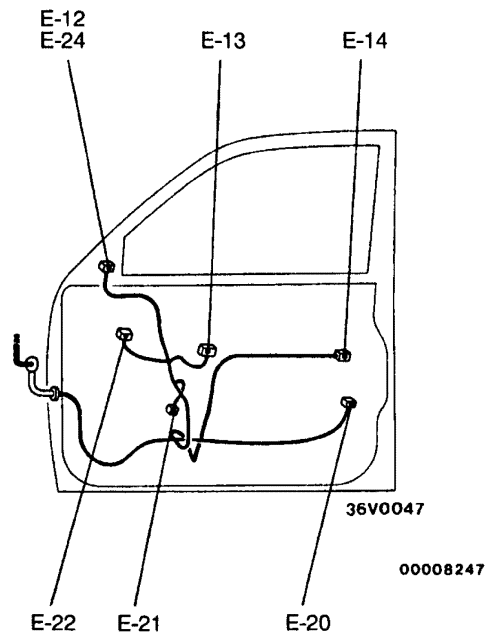
Connector
symbol**D**

AV0649AA

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

DOOR

Single cab and club cab <L.H. drive vehicles>

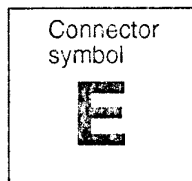
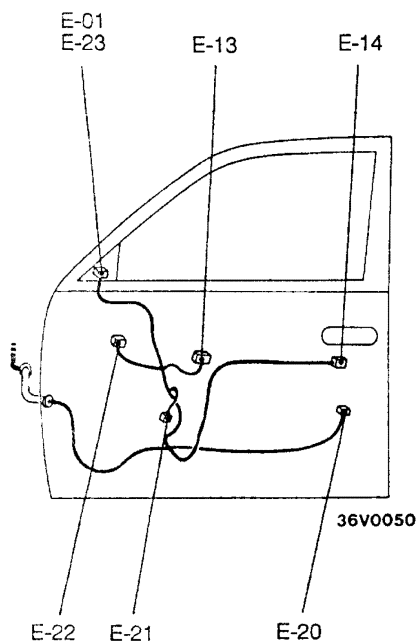
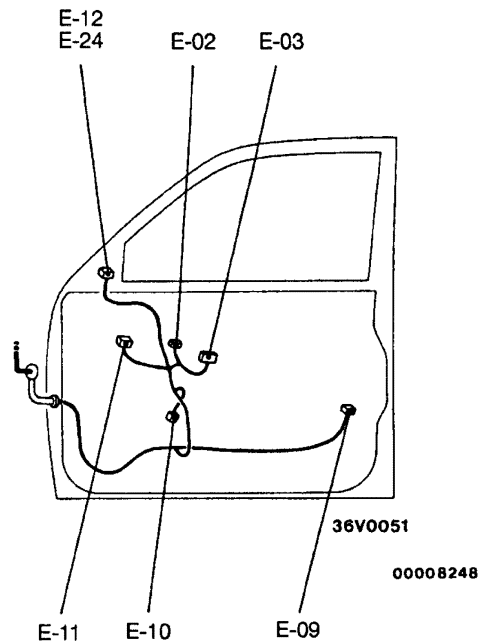
Connector
symbol**E****Driver's side****Passenger's side**

E-01 (3)	Remote controlled mirror (LH) (without door mirror heater)
E-02 (9)	Remote controlled mirror switch
E-03 (10)	Power window main switch
E-09 (6-B)	Door lock actuator (driver's side)
E-10 (2)	Power window limit switch (driver's side)
E-11 (2)	Power window motor (driver's side)
E-12 (3)	Remote controlled mirror (RH) (without door mirror heater)
E-13 (8)	Power window sub switch (front passenger's side)

E-14 (3)	Door lock key cylinder switch
E-20 (6)	Door lock actuator (front passenger's side)
E-21 (2)	Power window limit switch (front passenger's side)
E-22 (2)	Power window motor (front passenger's side)
E-23 (7)	Remote controlled mirror (LH) (with door mirror heater)
E-24 (7)	Remote controlled mirror (RH) (with door mirror heater)

DOOR

Single cab <R.H. drive vehicles>

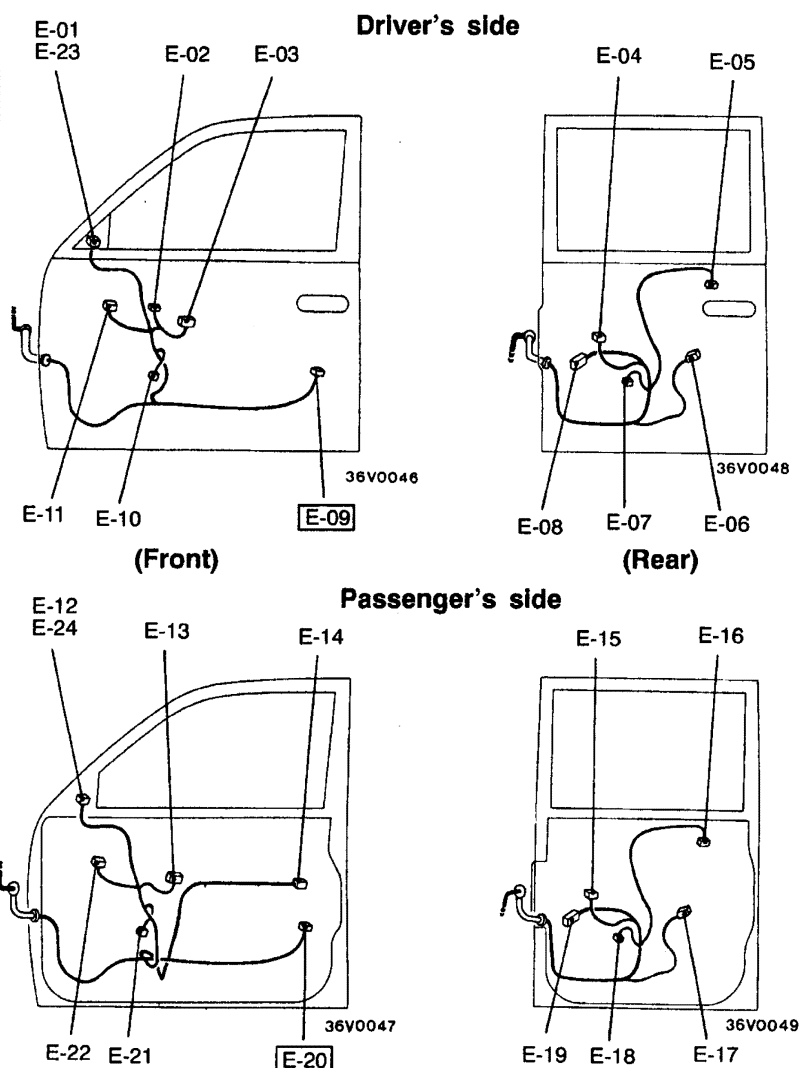
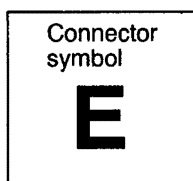
**Passenger's side****Driver's side**

E-01 (3)	Remote controlled mirror (LH) (without door mirror heater)
E-02 (9)	Remote controlled mirror switch
E-03 (10)	Power window main switch
E-09 (6)	Door lock actuator (driver's side)
E-10 (2)	Power window limit switch (driver's side)
E-11 (2)	Power window motor (driver's side)
E-12 (3)	Remote controlled mirror (RH) (without door mirror heater)
E-13 (8)	Power window sub switch (front passenger's side)

E-14 (3)	Door lock key cylinder switch
E-20 (6-B)	Door lock actuator (front passenger's side)
E-21 (2)	Power window limit switch (front passenger's side)
E-22 (2)	Power window motor (front passenger's side)
E-23 (7)	Remote controlled mirror (LH) (with door mirror heater)
E-24 (7)	Remote controlled mirror (RH) (with door mirror heater)

DOOR

Double cab <L.H. drive vehicles>



00005014

(Front)	(Rear)
E-01 (3)	Remote controlled mirror (LH)
E-02 (9)	(without door mirror heater)
E-03 (10)	Remote controlled mirror switch
E-04 (8)	Power window main switch
E-05 (5)	Power window sub switch (rear: LH)
E-06 (2-B)	Door lock actuator (rear: LH)
E-07 (2)	Rear door speaker (LH)
E-08 (2)	Power window motor (rear: LH)
E-09 (6-B)	Power window limit switch (rear: LH)
E-10 (2)	Door lock actuator (driver's side)
E-11 (2)	Power window limit switch (driver's side)
E-12 (3)	Power window motor (driver's side)
	Remote controlled mirror (RH)
	(without door mirror heater)
E-13 (8)	Power window sub switch
	(front passenger's side)
E-14 (3)	Door lock key cylinder switch
E-15 (8)	Power window sub switch (rear: RH)

E-16 (5)	Door lock actuator (rear: RH)
E-17 (2-B)	Rear door speaker (RH)
E-18 (2)	Power window motor (rear: RH)
E-19 (2)	Power window limit switch (rear: RH)
E-20 (6)	Door lock actuator
	(front passenger's side)
E-21 (2)	Power window limit switch
	(front passenger's side)
E-22 (2)	Power window motor
	(front passenger's side)
E-23 (7)	Remote controlled mirror (LH)
	(with door mirror heater)
E-24 (7)	Remote controlled mirror (RH)
	(with door mirror heater)

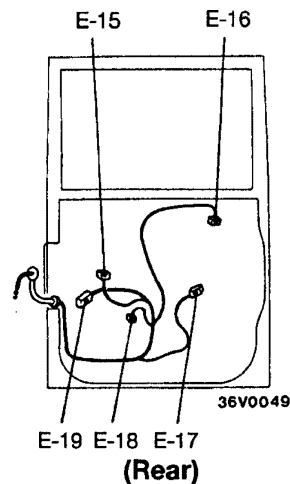
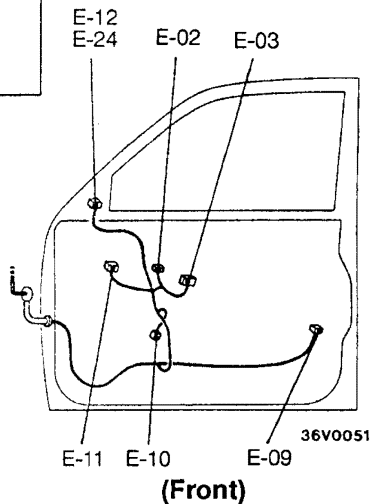
Remark
Connector numbers enclosed by a frame E-09 are connectors whose number of terminals has been changed.

DOOR

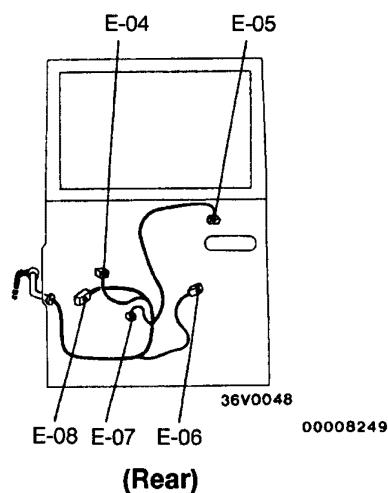
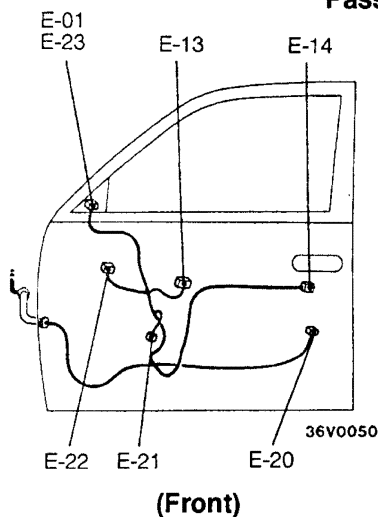
Double cab <R.H. drive vehicles>

Connector
symbol

Driver's side



Passenger's side

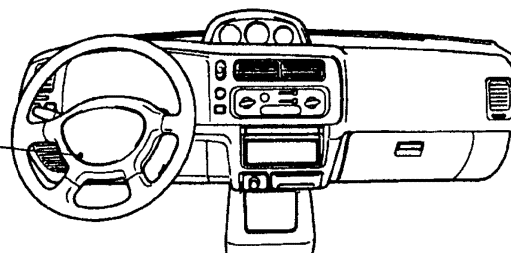
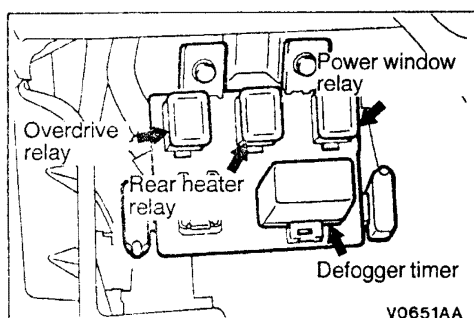


E-01 (3)	Remote controlled mirror (LH) (without door mirror heater)	E-14 (3)	Door lock key cylinder switch
E-02 (9)	Remote controlled mirror switch	E-15 (8)	Power window sub switch (rear: RH)
E-03 (10)	Power window main switch	E-16 (5)	Door lock actuator (rear: RH)
E-04 (8)	Power window sub switch (rear: LH)	E-17 (2-B)	Rear door speaker (RH)
E-05 (5)	Door lock actuator (rear: LH)	E-18 (2)	Power window motor (rear: RH)
E-06 (2-B)	Rear door speaker (LH)	E-19 (2)	Power window limit switch (rear: RH)
E-07 (2)	Power window motor (rear: LH)	E-20 (6-B)	Door lock actuator (front passenger's side)
E-08 (2)	Power window limit switch (rear: LH)	E-21 (2)	Power window limit switch (front passenger's side)
E-09 (6)	Door lock actuator (driver's side)	E-22 (2)	Power window motor (front passenger's side)
E-10 (2)	Power window limit switch (driver's side)	E-23 (7)	Remote controlled mirror (LH) (with door mirror heater)
E-11 (2)	Power window motor (driver's side)	E-24 (7)	Remote controlled mirror (RH) (with door mirror heater)
E-12 (3)	Remote controlled mirror (RH) (without door mirror heater)		
E-13 (8)	Power window sub switch (front passenger's side)		

SINGLE PART INSTALLATION POSITION

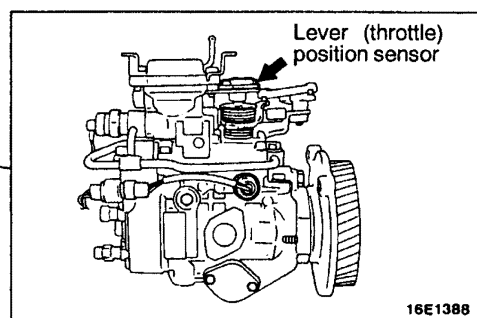
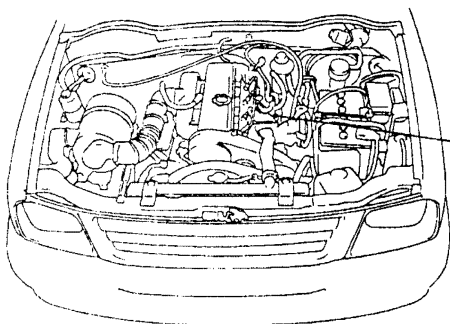
CONTENTS

RELAY	3-2	SOLENOID AND SOLENOID VALVE	3-3
SENSOR	3-2	INSPECTION CONNECTOR	3-3

RELAY

16V0106

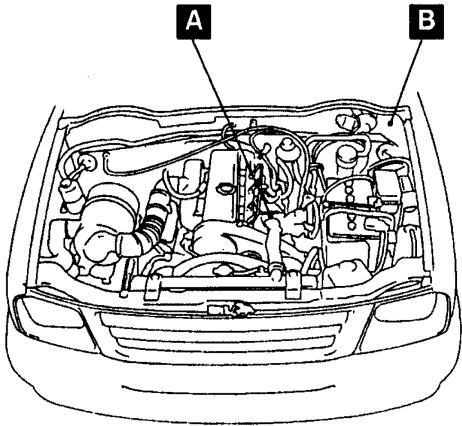
00008281

SENSOR

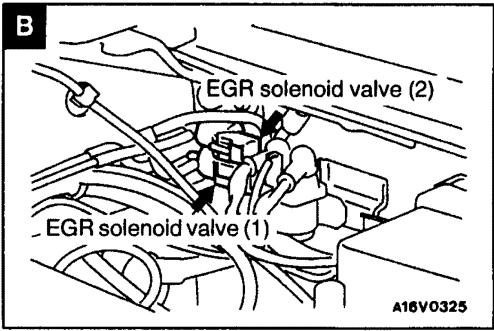
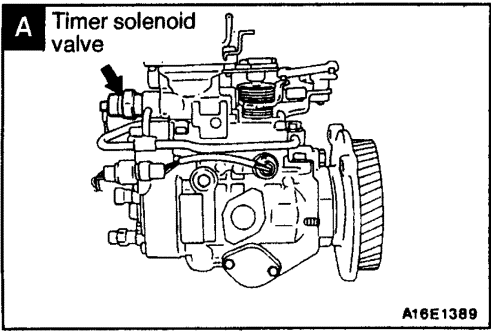
00008282

SOLENOID AND SOLENOID VALVE

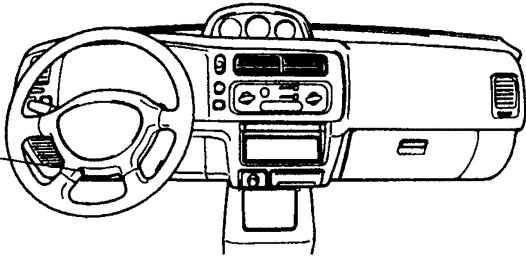
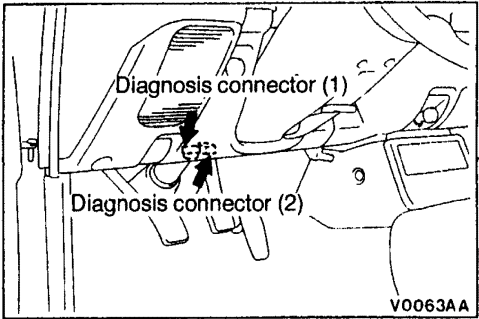
Name	Symbol	Name	Symbol
EGR solenoid valve (1)	B	Timer solenoid valve	A
EGR solenoid valve (2)	B		



A16V0104



INSPECTION CONNECTOR



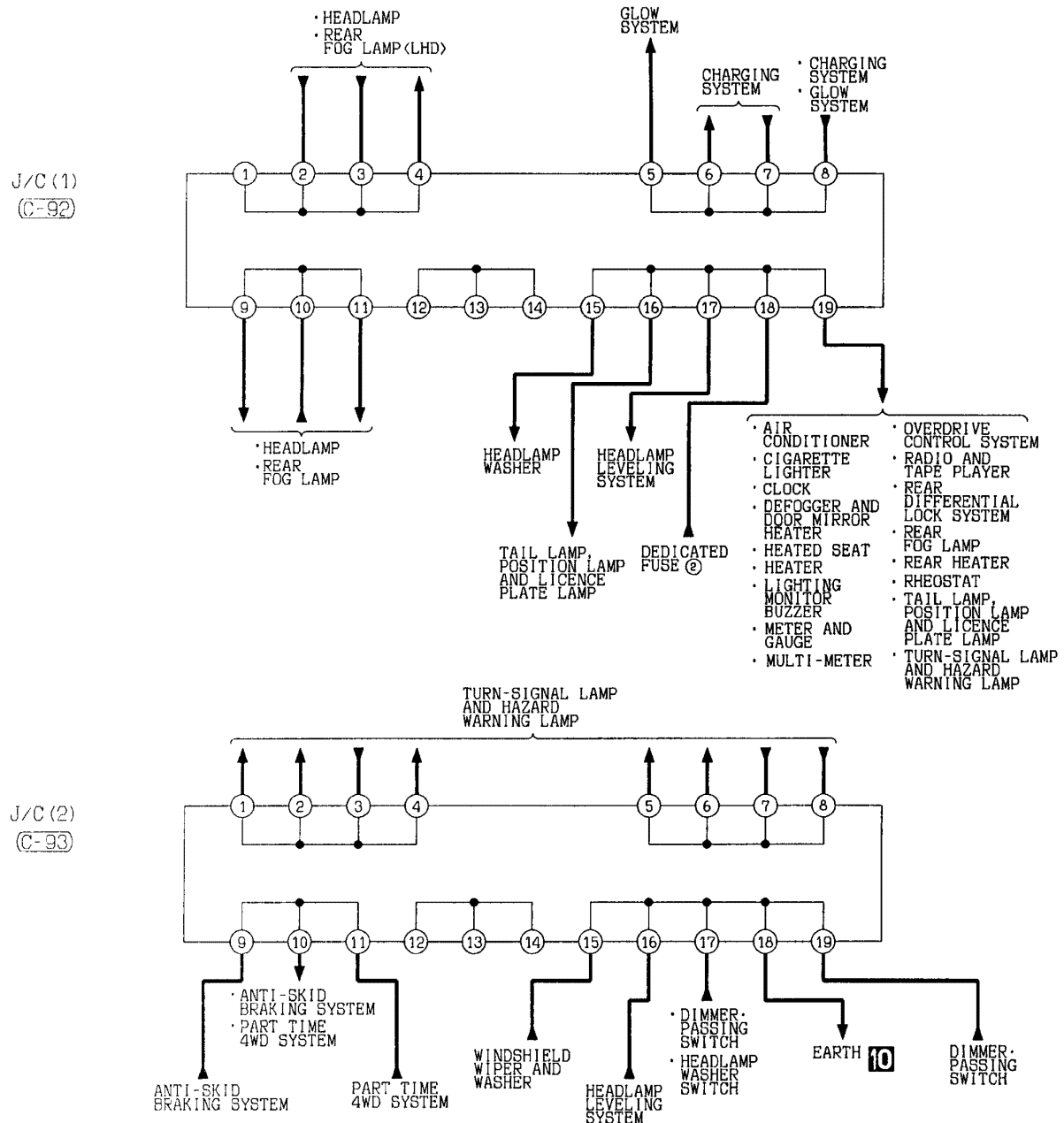
16V0106

CIRCUIT DIAGRAM

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JOINT CONNECTOR (J/C)	4-2	AIR CONDITIONER	
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Double cab	4-30	4WD	4-54
POWER WINDOWS		SUPPLEMENTAL RESTRAINT SYSTEM (SRS)	4-60
Double cab	4-34		

JOINT CONNECTOR (J/C)



(C-92)

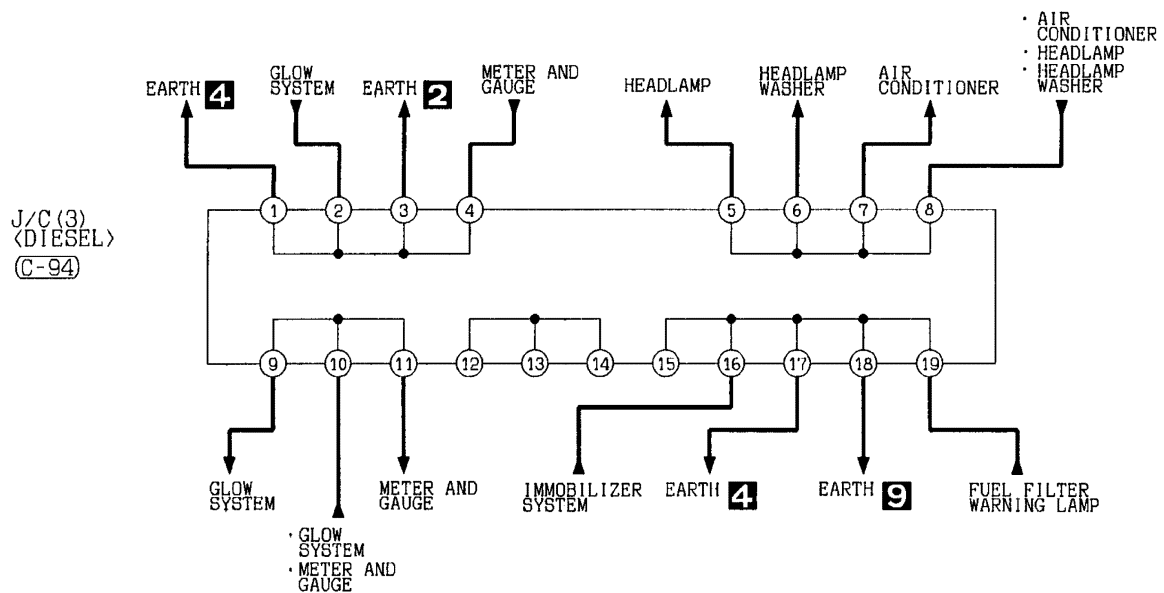
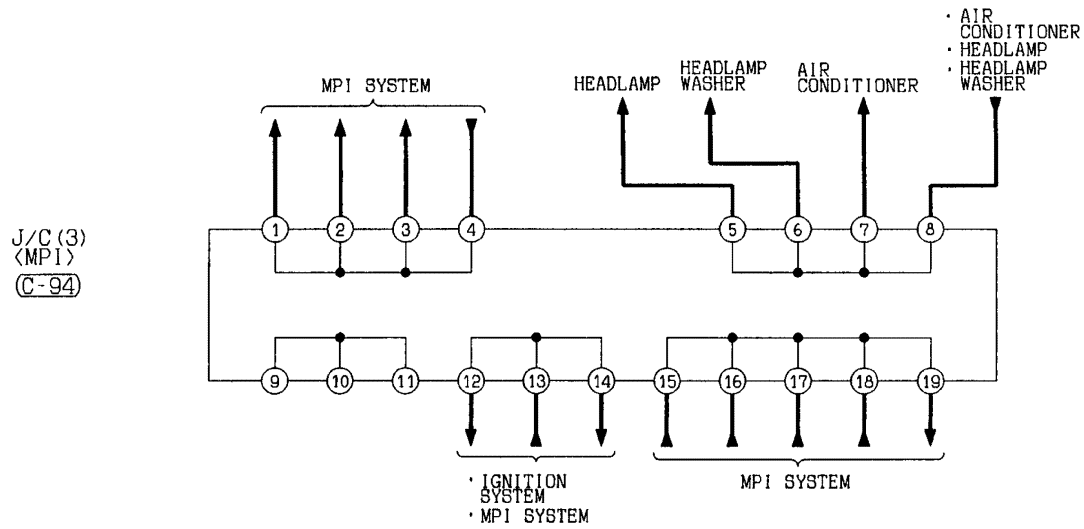
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9	10	11	12	13	14	15	16	17	18	19

(C-93)

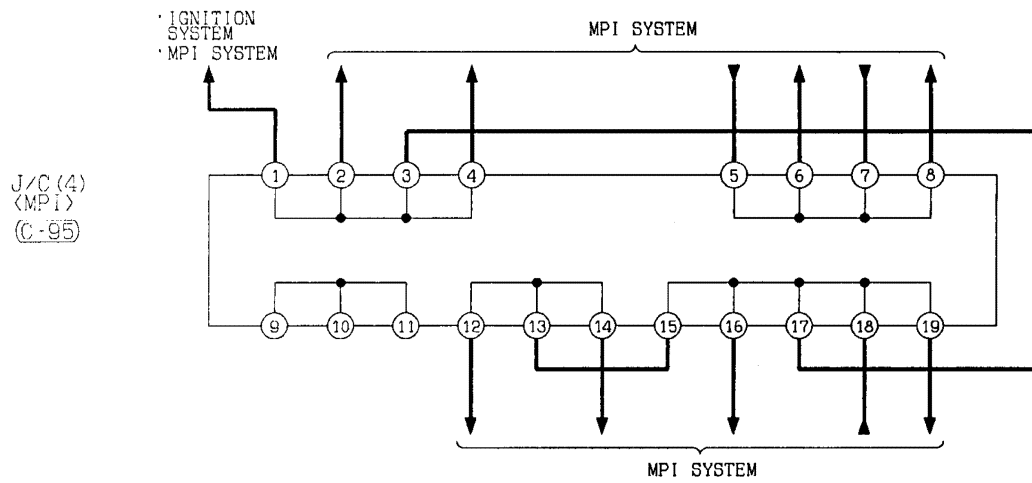
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9	10	11	12	13	14	15	16	17	18	19

(C-94)

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9	10	11	12	13	14	15	16	17	18	19



JOINT CONNECTOR (CONTINUED)

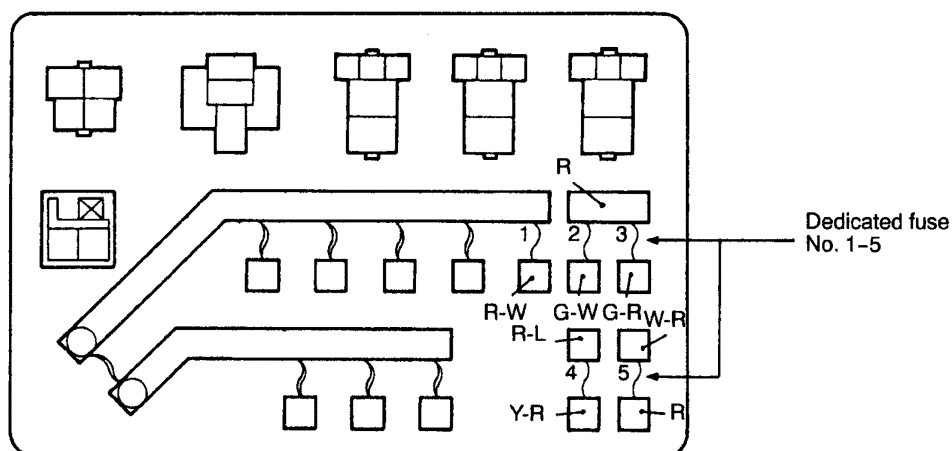


C-95

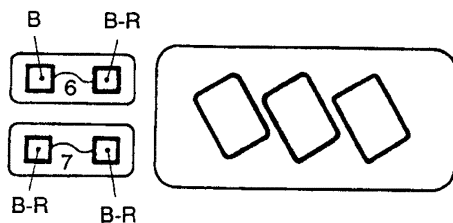
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9	10	11	12	13	14	15	16	17	18	19

CENTRALIZED JUNCTION**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 relay
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)

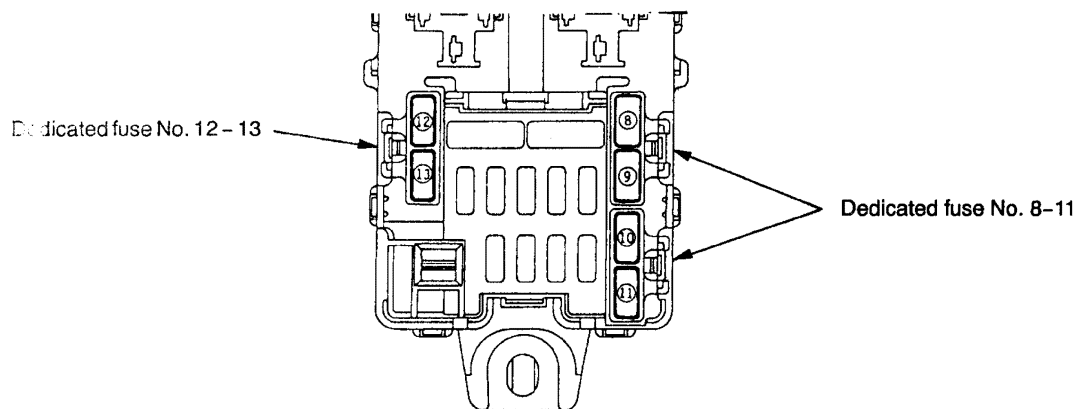
(Relay box in engine compartment)

(A/C relay bracket in engine compartment)



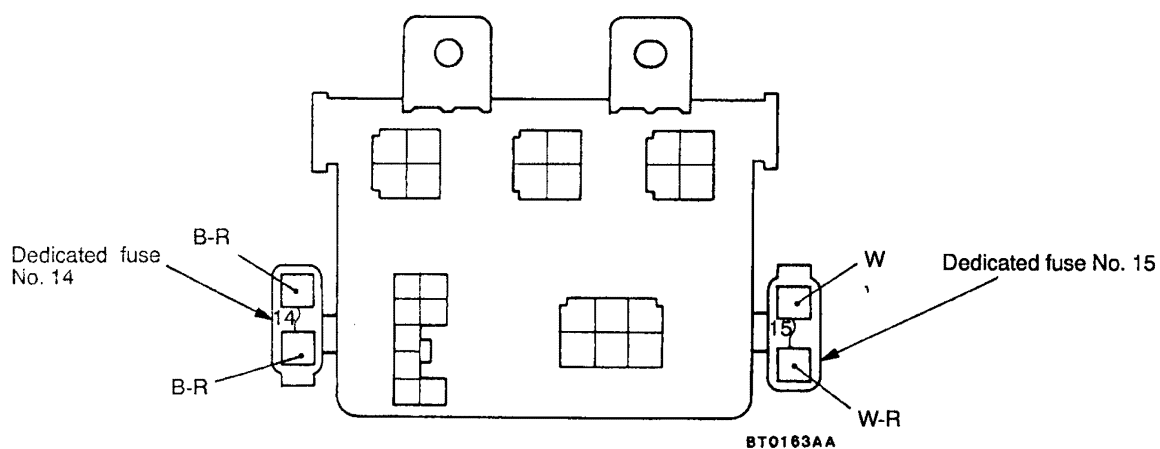
A16V0067

(In junction block)



BV0017AA

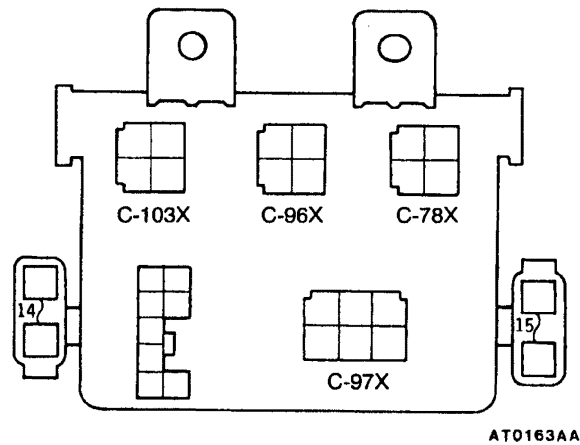
(Relay box in passenger compartment)



BT0163AA

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

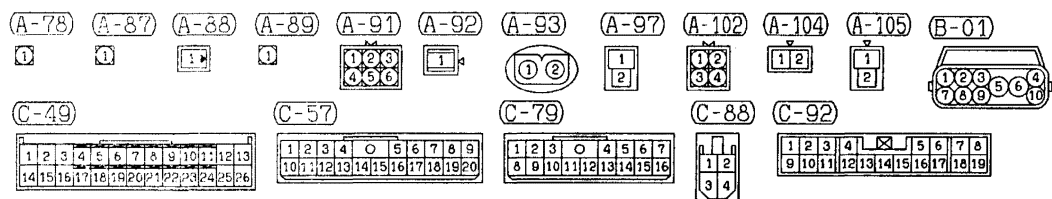
Connector No.	Name	Connector No.	Name
C-78X	Power window relay	C-97X	Defogger timer
C-96X	Rear heater relay	C-103X	Overdrive relay

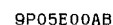


The diagram illustrates the electrical system for the 1987 Nissan 2400 Diesel engine. It begins with a **FUSIBLE LINK (9)** connected to a **5B** line. This line branches into several circuits:

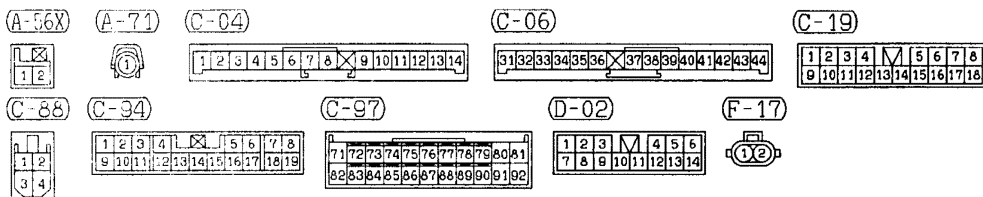
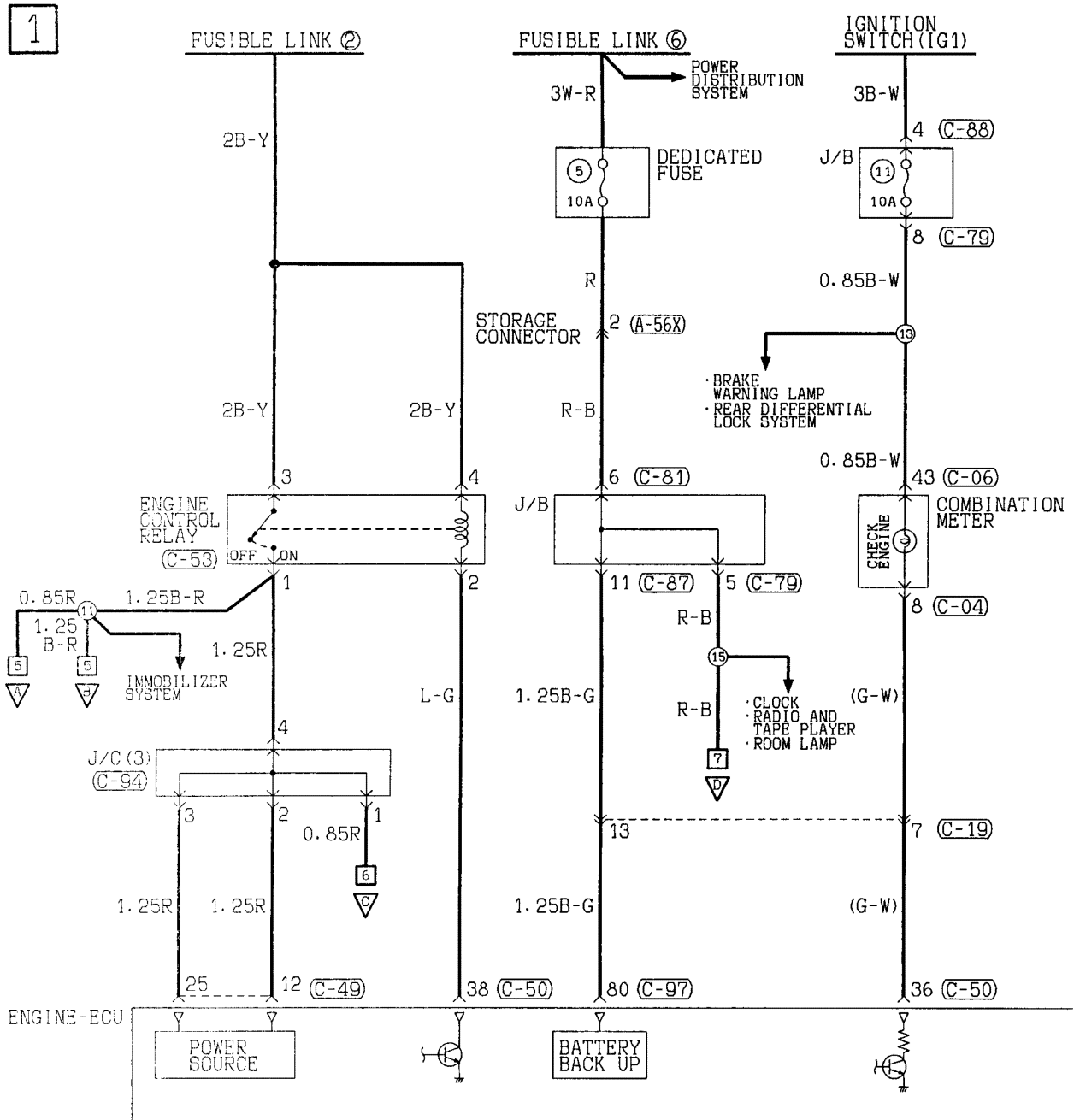
- Ignition Switch (IG1):** Controls the **COMBINATION METER** (CHG, GLOW, W, L-R) and the **INHIBITOR SWITCH (B-01)**. It includes components like **J/B (11)**, **10A**, **0.85 B-W**, and **2B-W**.
- Ignition Switch (ST):** Controls the **STARTING SYSTEM** (A/T, M/T) and the **TIMER SOLENOID VALVE (A-102)**. It includes components like **3B-Y**, **2B-Y**, **2B-L**, and **2B-W**.
- Glow Plug Relay (A-89):** Controls the **GLOW PLUGS (A-78)** and the **GLOW-ECU (C-49)**. It includes components like **1 (A-87)**, **1 (A-88)**, and **2LG-B**.
- Other Components:** Includes the **LEVER (THROTTLE) POSITION SENSOR**, **5V** regulators, and various relays and switches.

The diagram uses standard electrical symbols for wires, switches, relays, and components. Wire colors are indicated by codes like **<F>G**, **<F>G-W**, **<F>G-B**, and **<F>Y-W**.





MPI SYSTEM





6

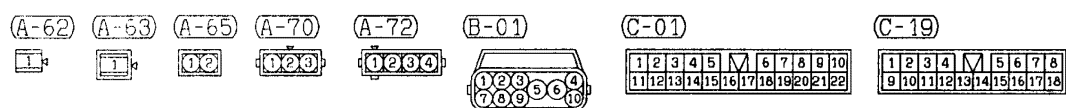
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8	9	10	11	12	13	14	15

9P05E01AB

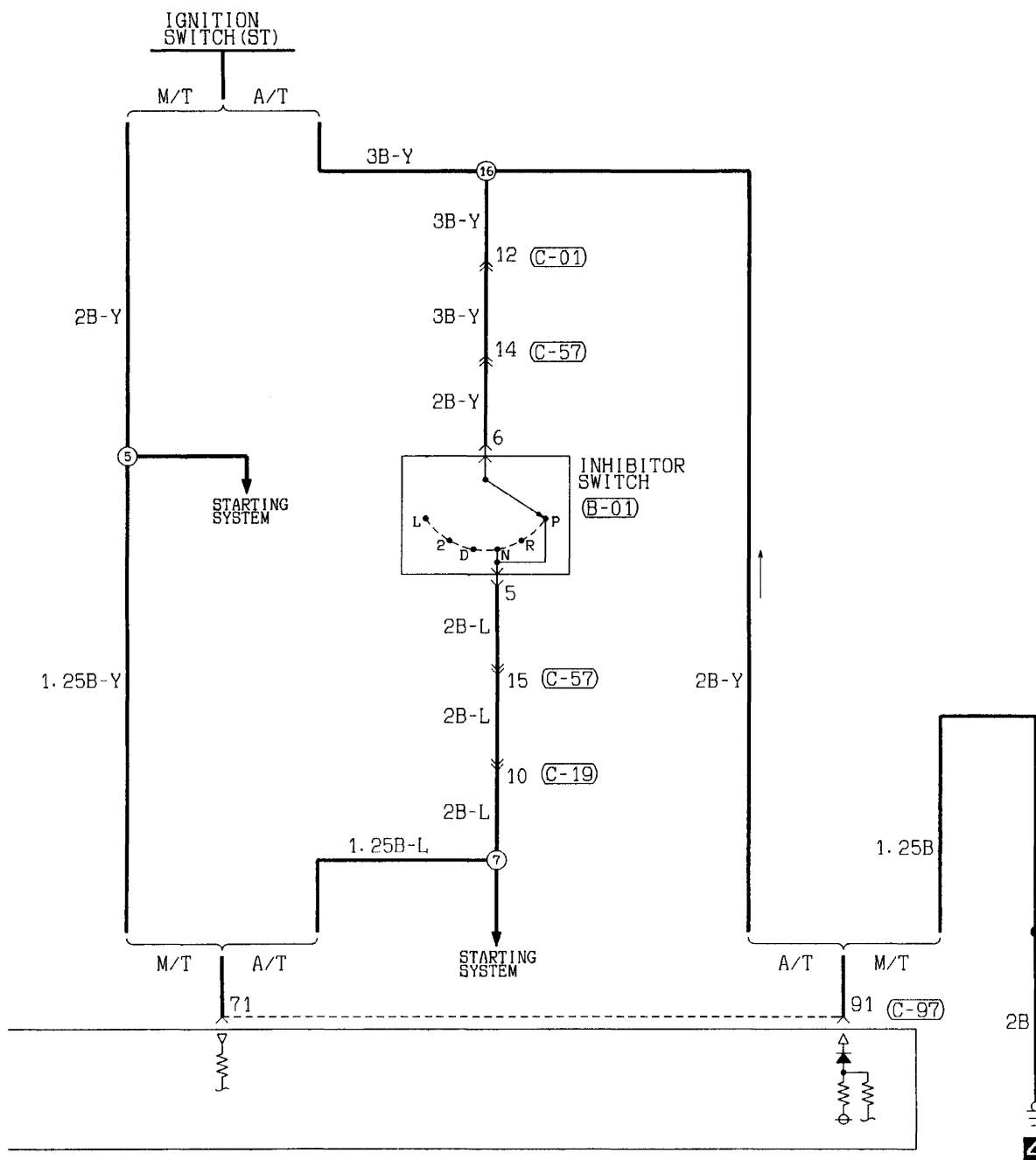
The diagram illustrates the engine control system wiring. Key components and their connections include:

- ENGINE CONTROL RELAY (3):** Connected to the ECU and the distributor.
- IGNITION COIL (A-65):** Receives power from the distributor and the engine control relay.
- DISTRIBUTOR (A-72):** Distributes power to the spark plugs and provides input to the crank angle sensor.
- SPARK PLUG:** Receives power from the distributor.
- CRANK ANGLE SENSOR:** Provides input to the ECU.
- TDC SENSOR:** Provides input to the ECU.
- POWER TRANSISTOR (A-70):** Receives power from the ECU and provides output to the meter gauge.
- NOISE FILTER (A-63):** Filters noise from the power supply.
- METER GAUGE AND:** Receives power from the power transistor.

The diagram also shows various wiring harnesses (W-B, W, W-B) and connectors (J/B, J/C) used to link the components.



4



4

(C-49)

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

(C-57)

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

(C-94)

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

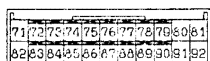
(C-97)

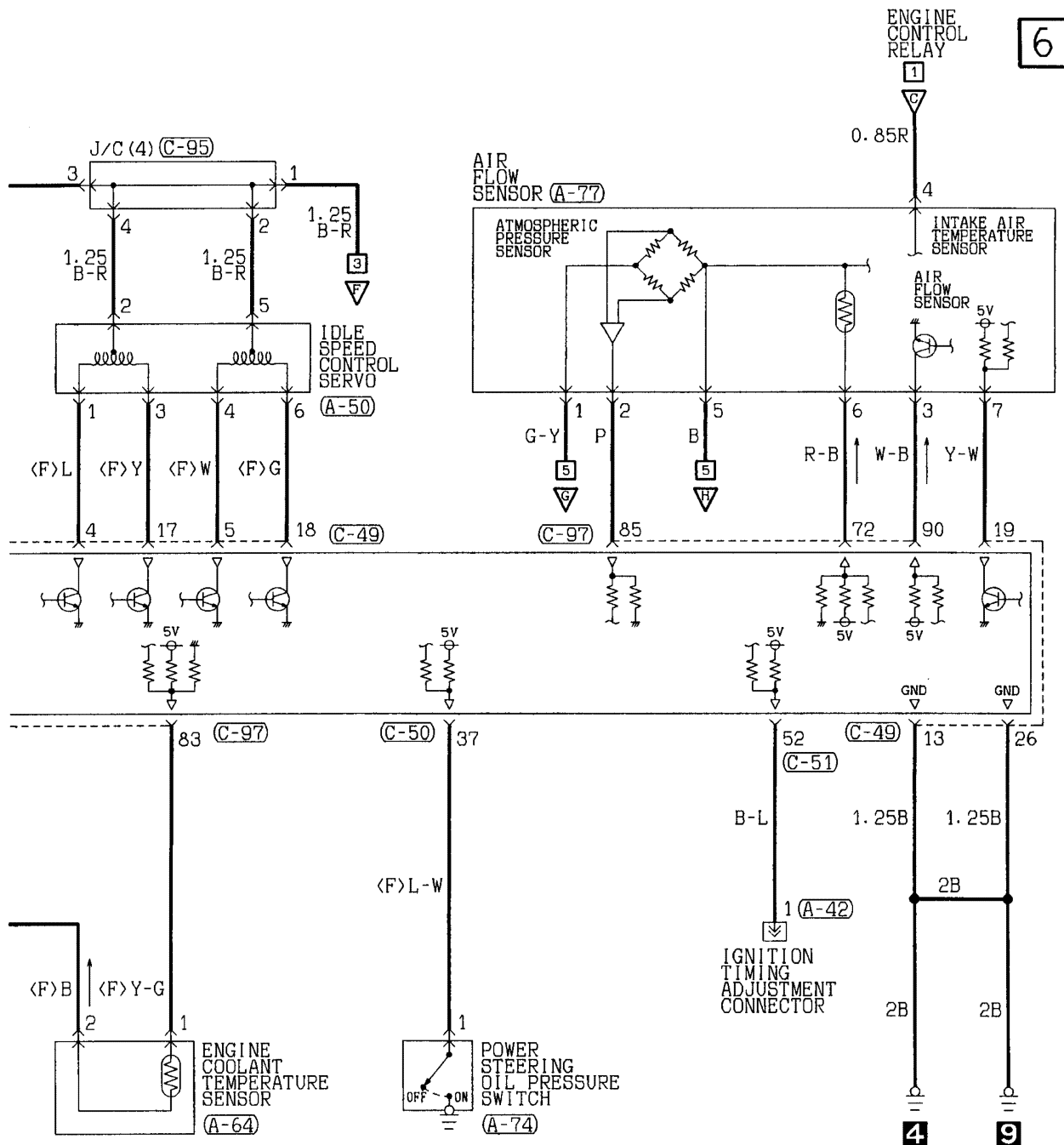
71	72	73	74	75	76	77	78	79	80	81
82	83	84	85	86	87	88	89	90	91	92

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

5





(C-49)

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

(C-50)

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

(C-51)

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

(C-60)

1	2
3	4

(C-94)

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

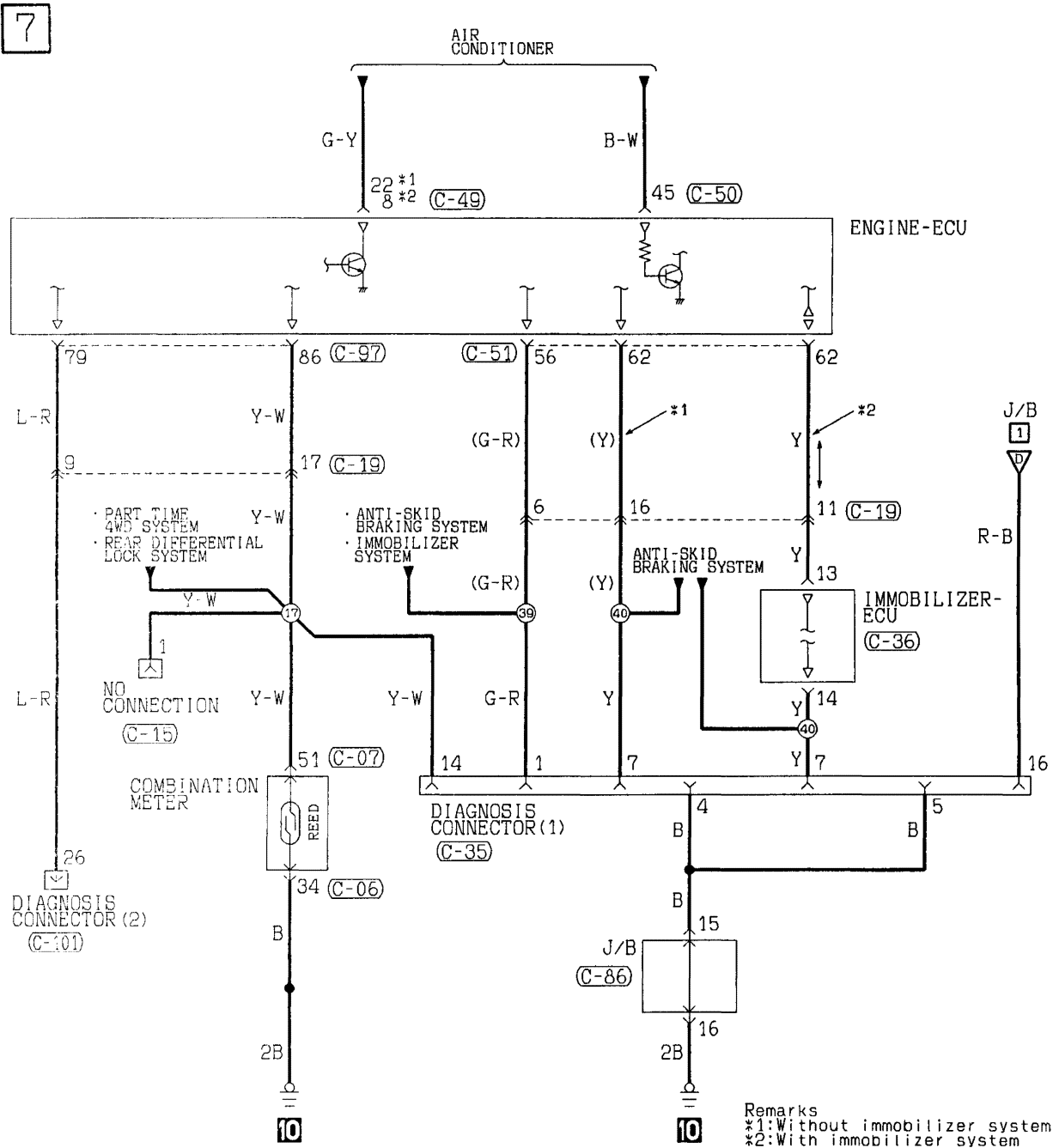
(C-95)

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

Wire colour code

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

MPI SYSTEM (CONTINUED)



(C-06)

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

(C-07)

51

(C-15)

1

(C-19)

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

(C-35) FRONT SIDE

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

(C-36)

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

(C-49)

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

(C-50)

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

(C-51)

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

(C-86)

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

(C-97)

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

(C-101)

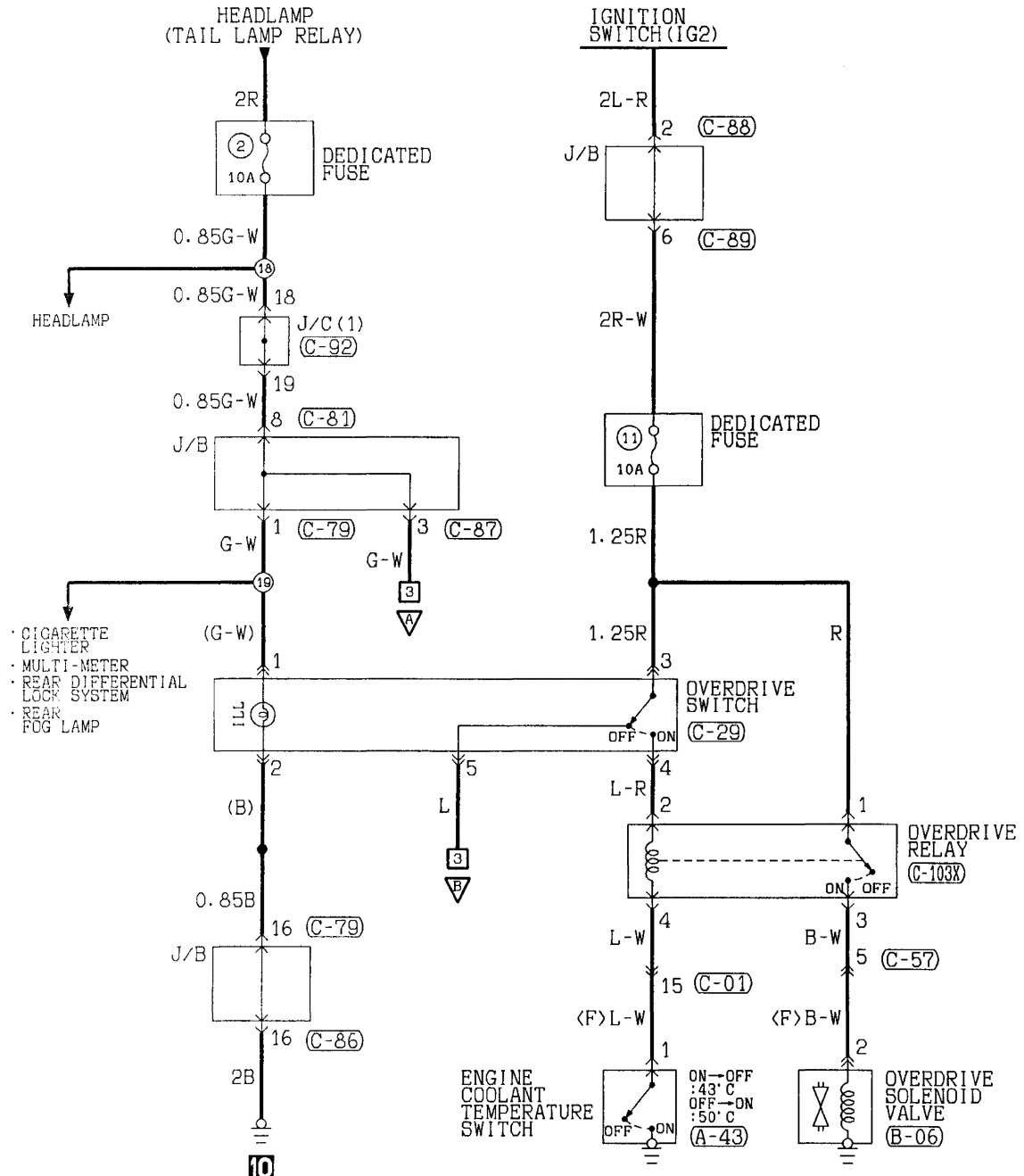
25	24	23	22	21
32	31	30	29	28
27	26			

NOTES

OVERDRIVE CONTROL SYSTEM

4G63

1



(A-43)

(B-01)

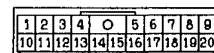
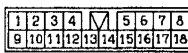
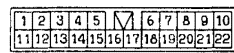
(B-06)

(C-01)

(C-19)

(C-29)

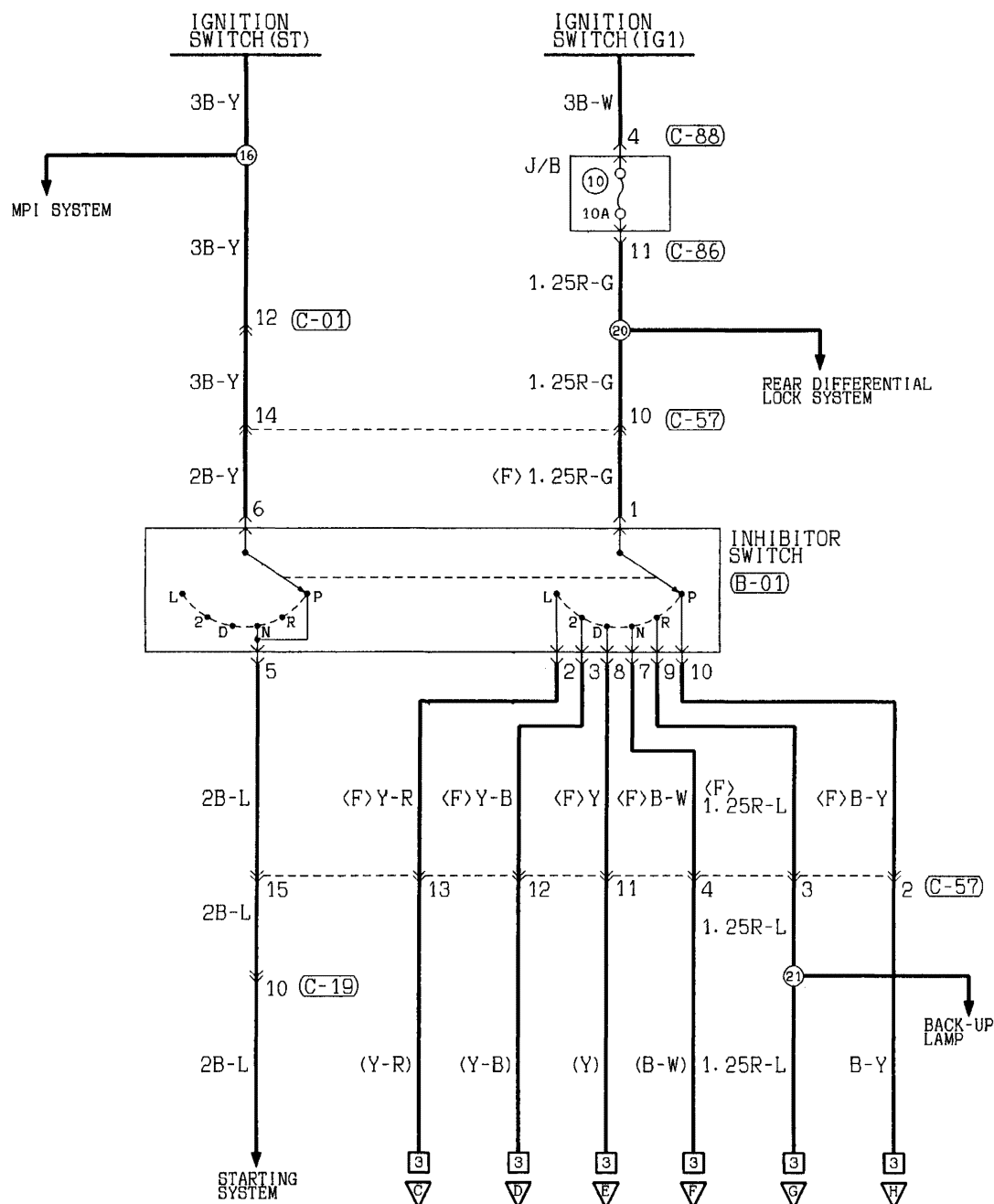
(C-57)



(C-103X)



2



(C-79)

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

(C-81)

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

(C-86)

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

(C-87)

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

(C-88)

1	2
3	4

(C-89)

1	2	3
4	5	6
7	8	

(C-92)

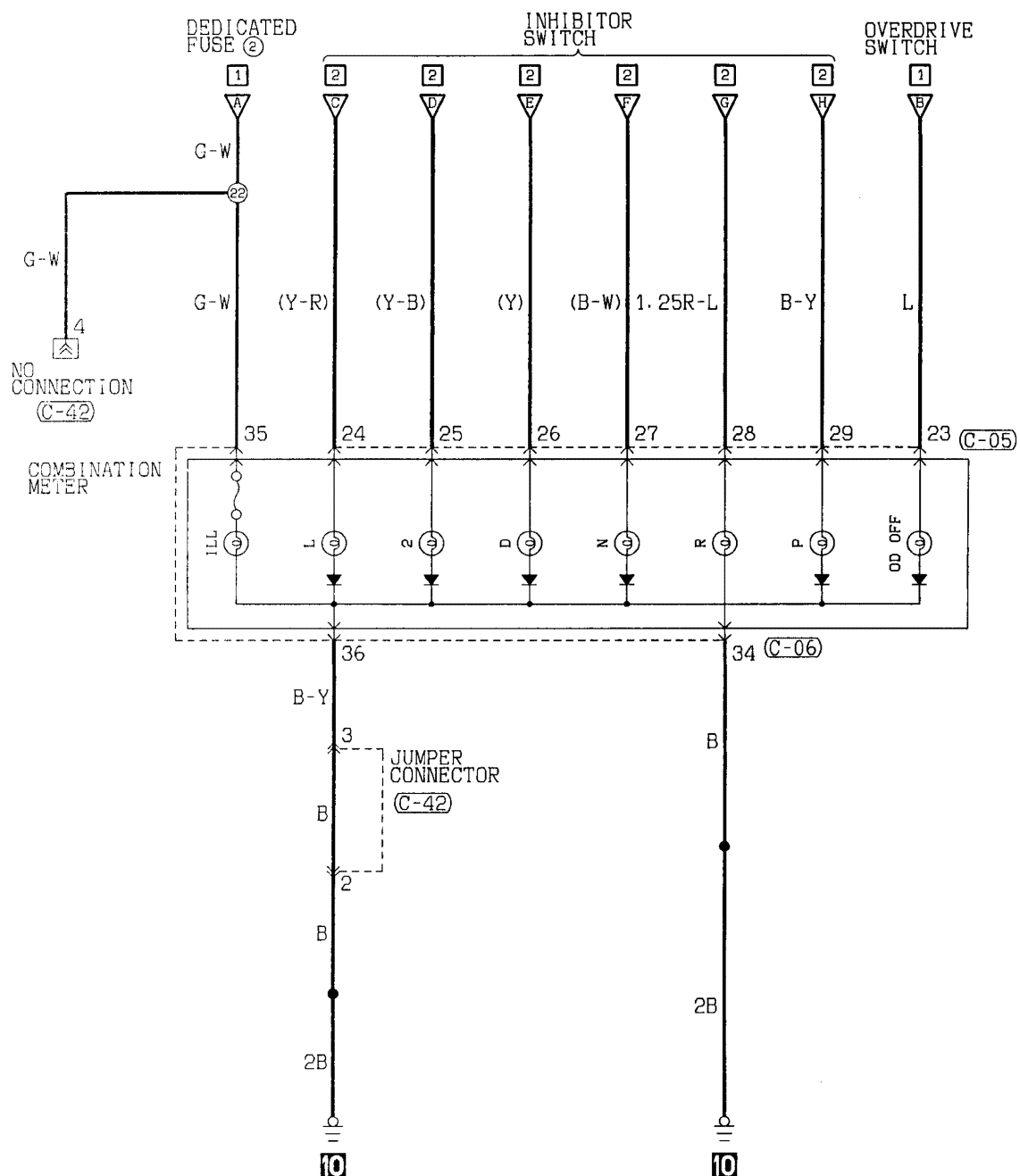
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19					

Wire colour code

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

OVERDRIVE CONTROL SYSTEM <4G63> (CONTINUED)

3



(C-05)

(C-06)

(C-42)

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

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

1	2	3	4

Wire colour code

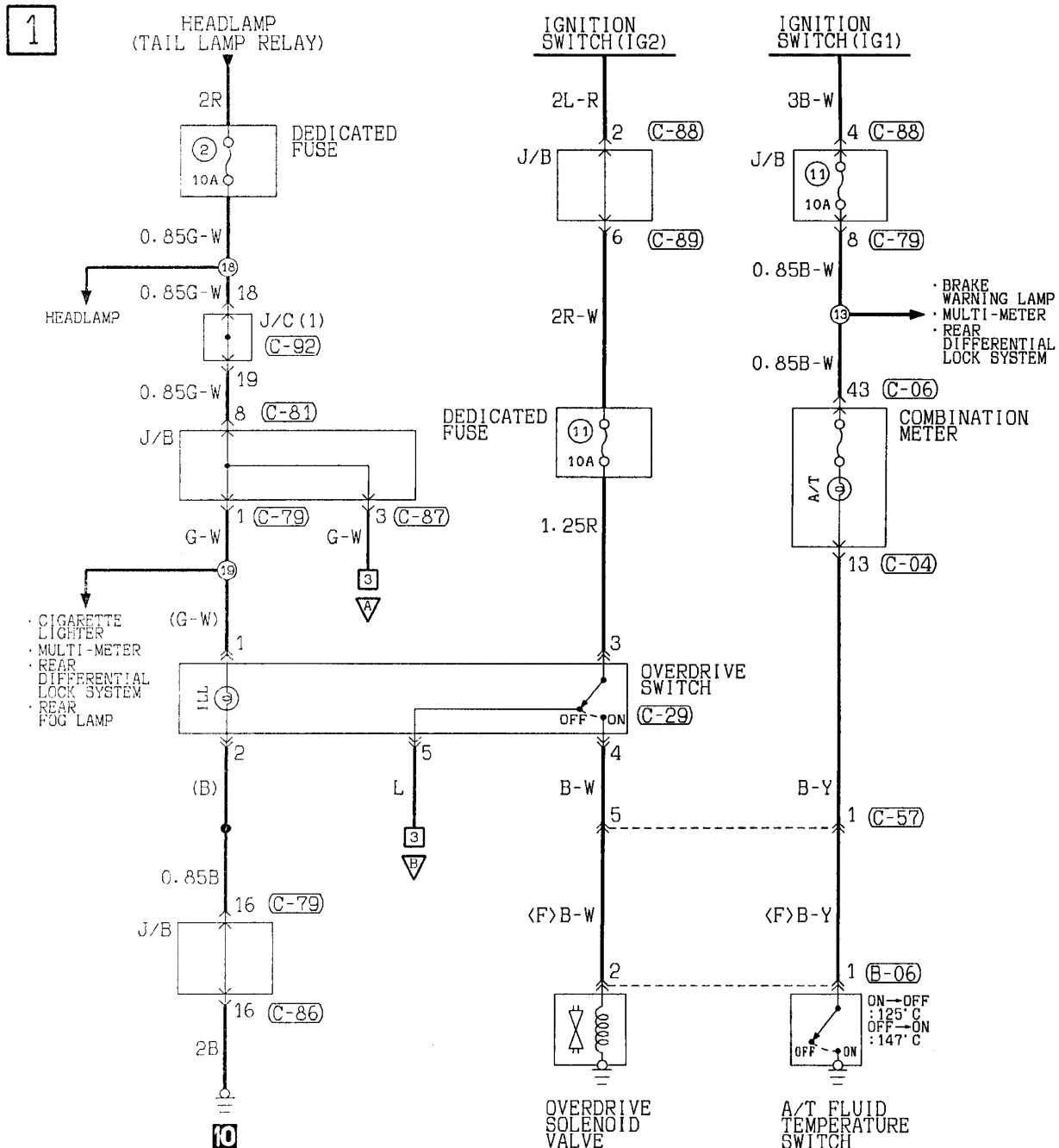
B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue

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

NOTES

OVERDRIVE CONTROL SYSTEM

4D56



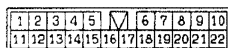
(B-01)



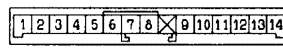
(B-06)



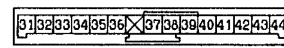
(C-01)



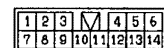
(C-04)



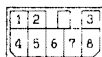
(C-06)



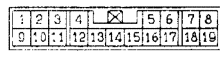
(C-19)



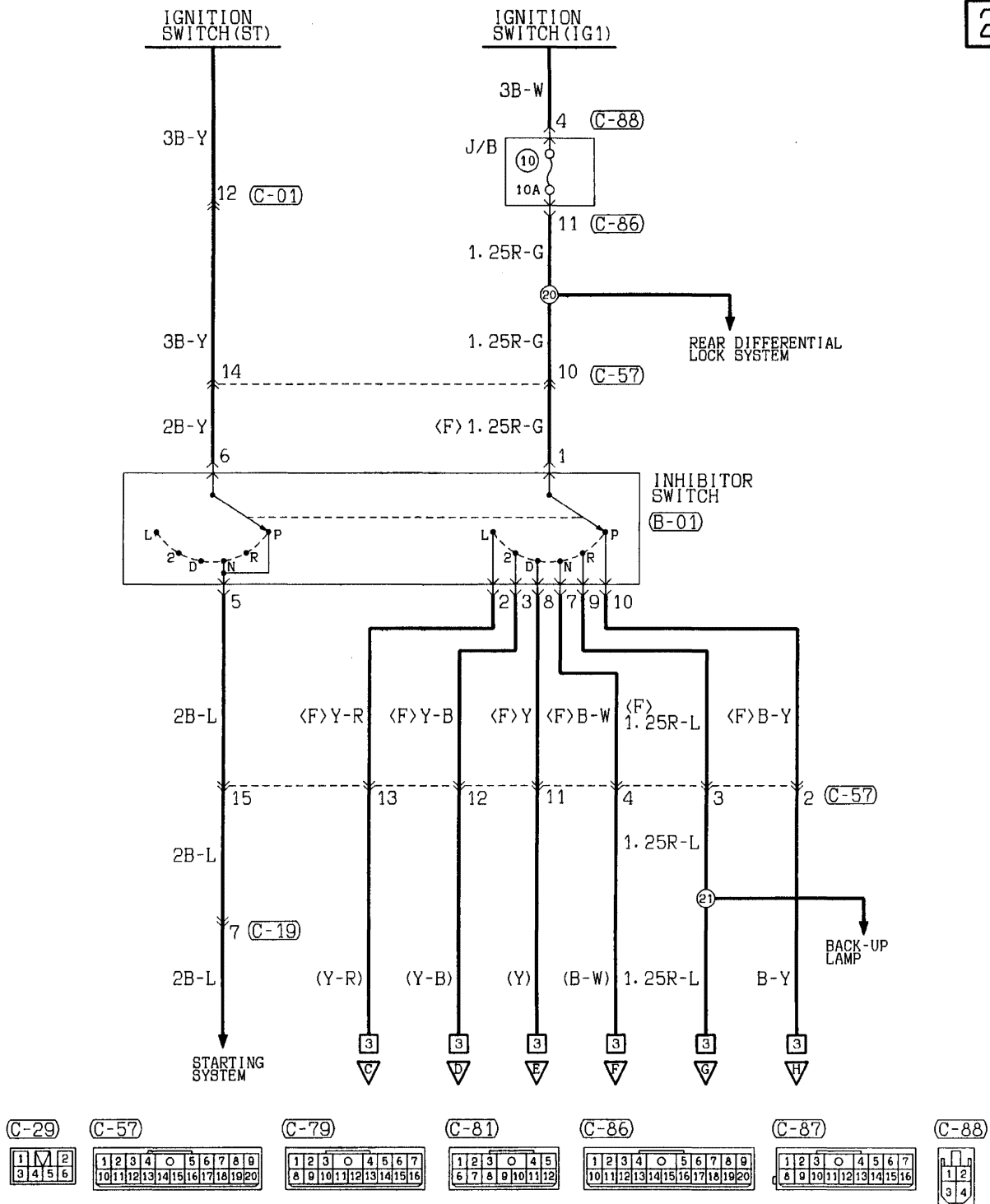
(C-89)



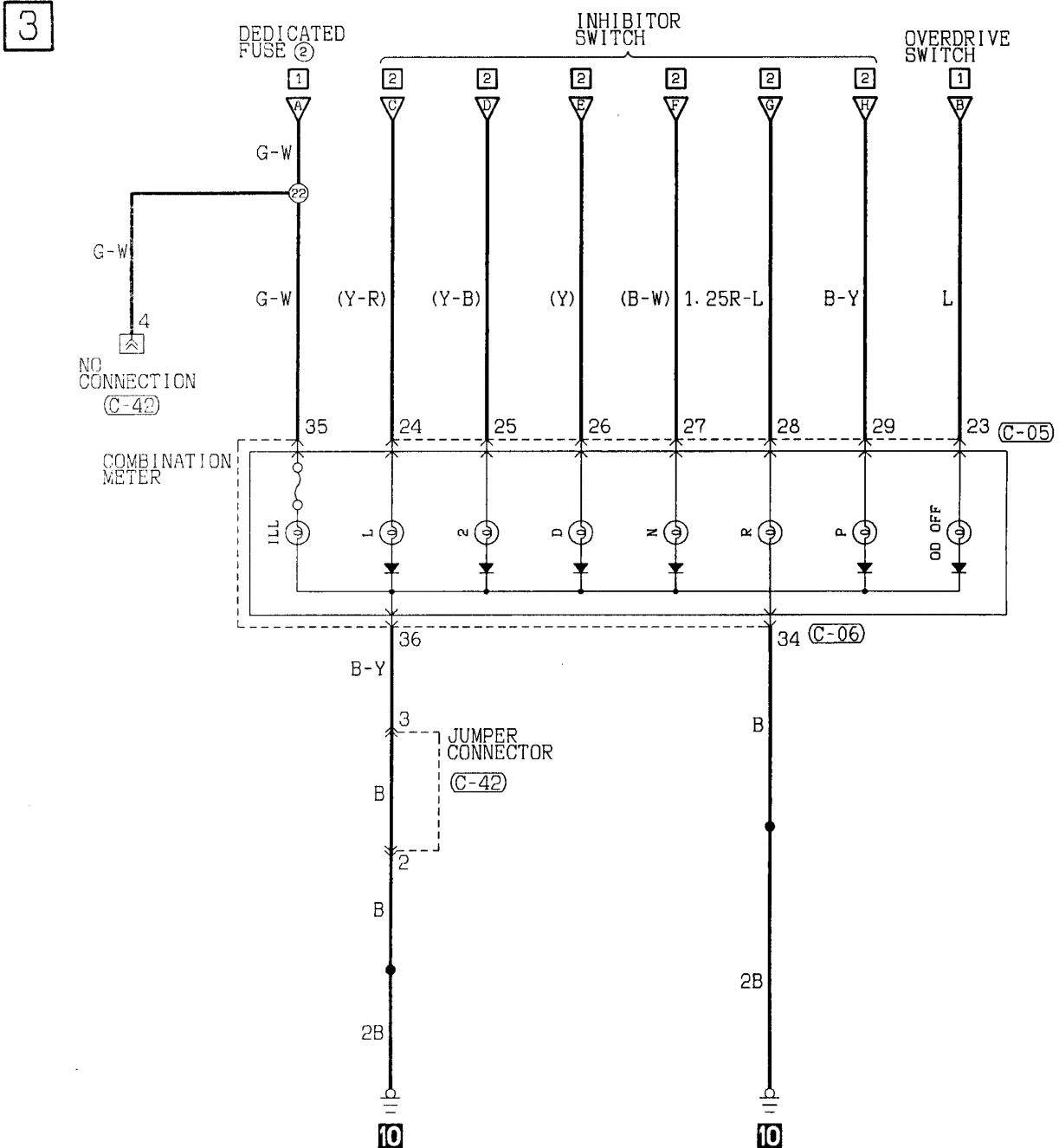
(C-92)



2



OVERDRIVE CONTROL SYSTEM <4D56> (CONTINUED)



(C-05)

(C-06)

(C-42)

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

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

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

Wire colour code

B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue

BR : Brown C : Orange

GR : Gray

R : Red

P : Pink

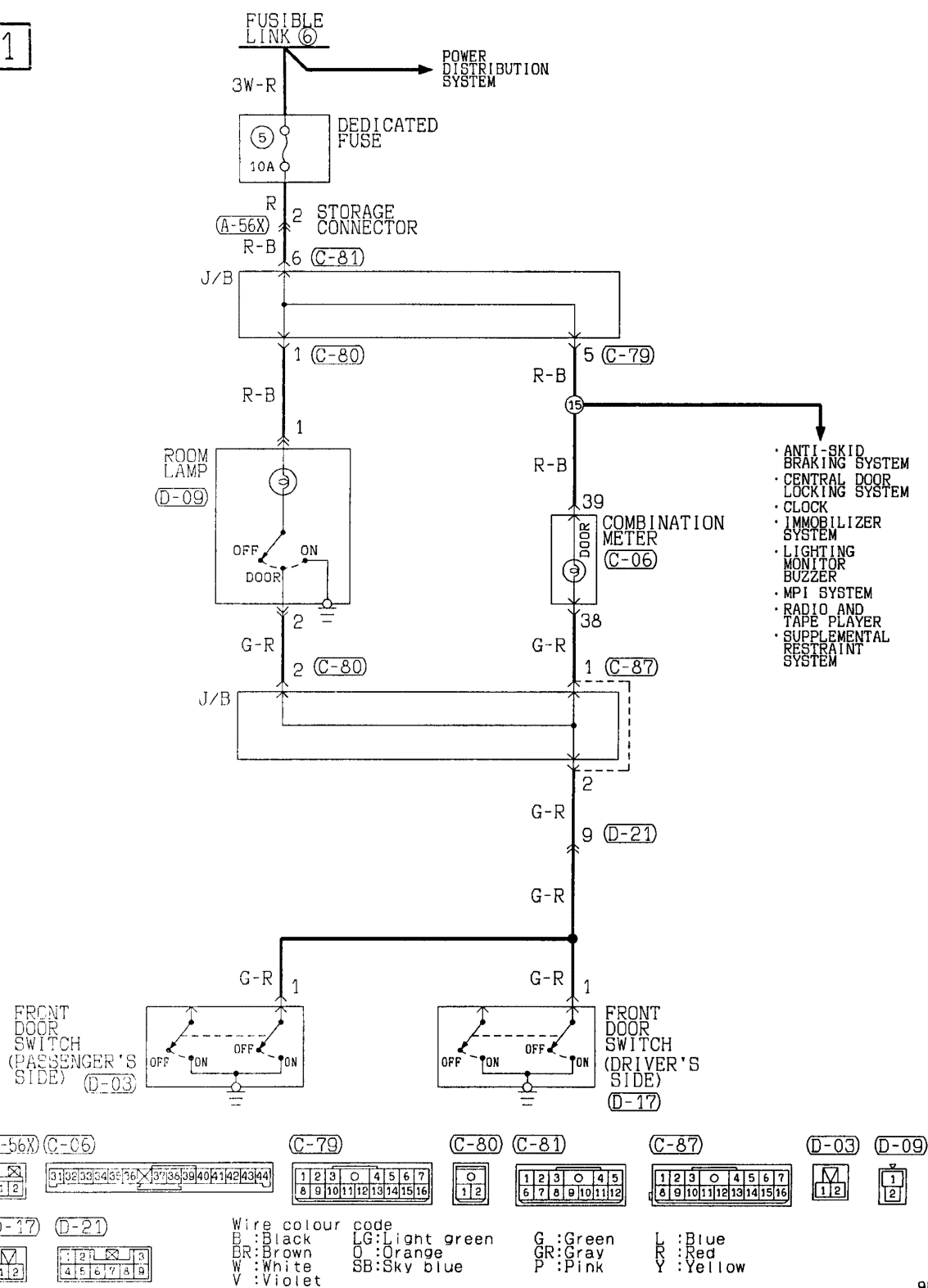
V : Violet

NOTES

ROOM LAMP

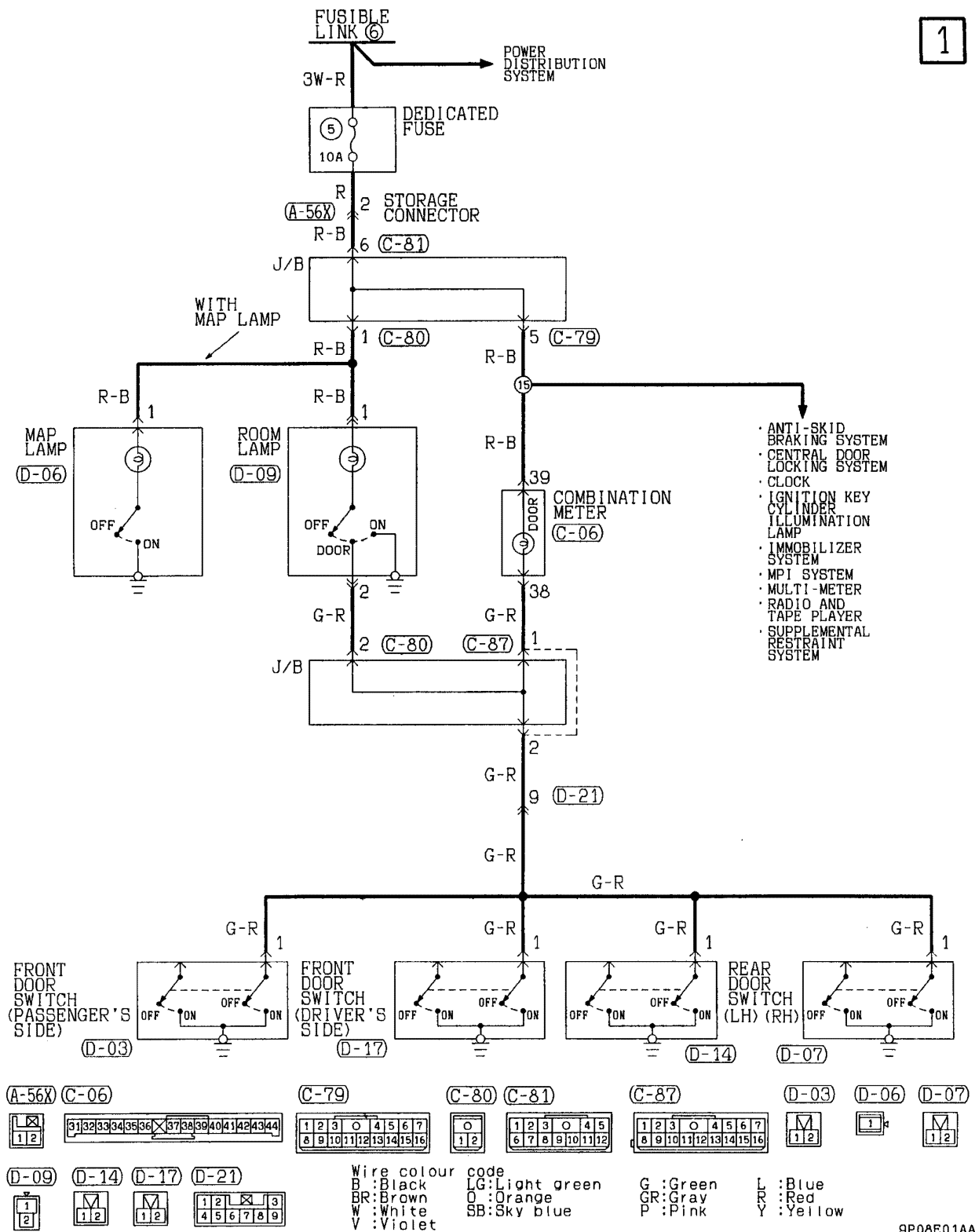
Except double cab

1



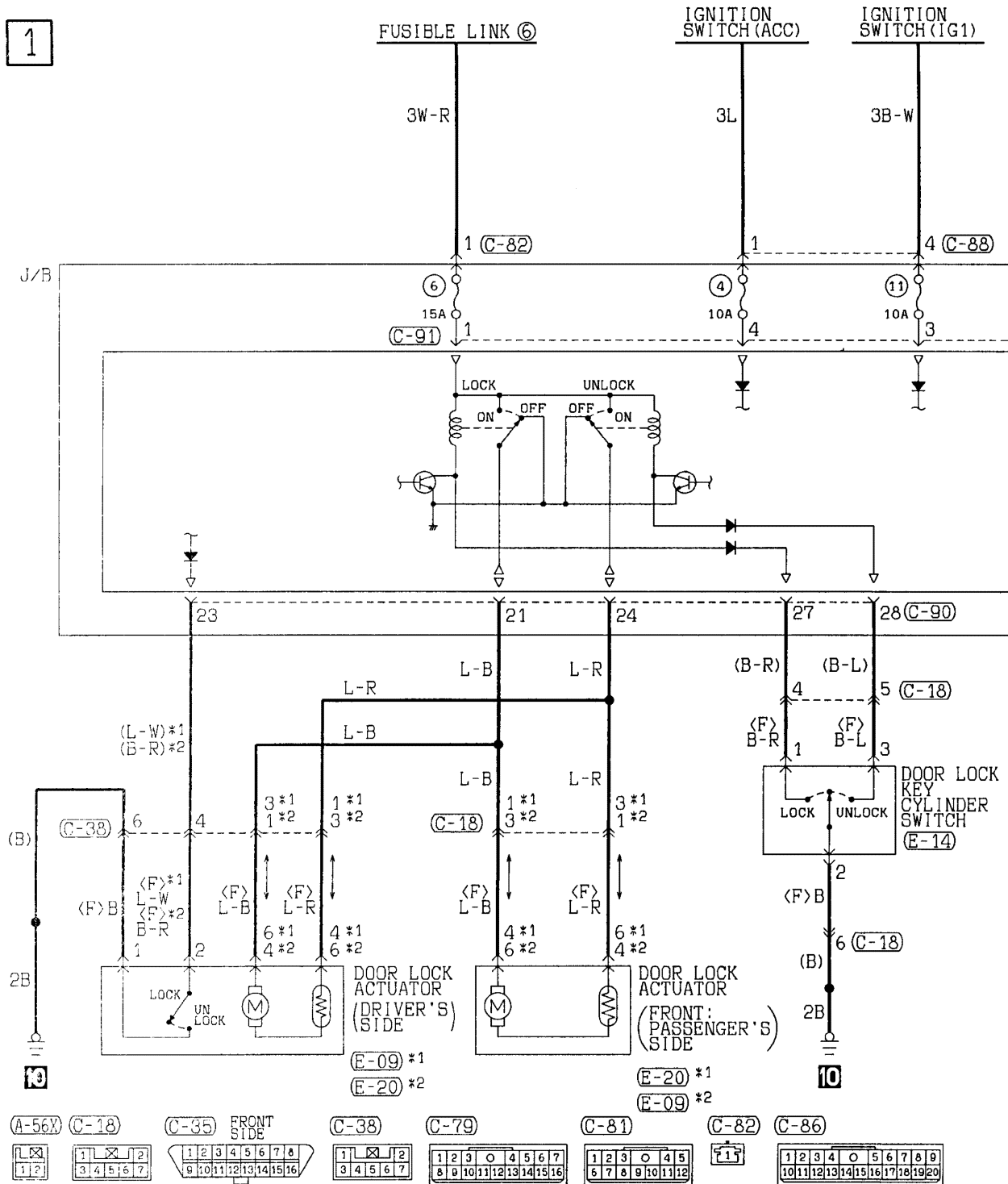
ROOM LAMP

Double cab

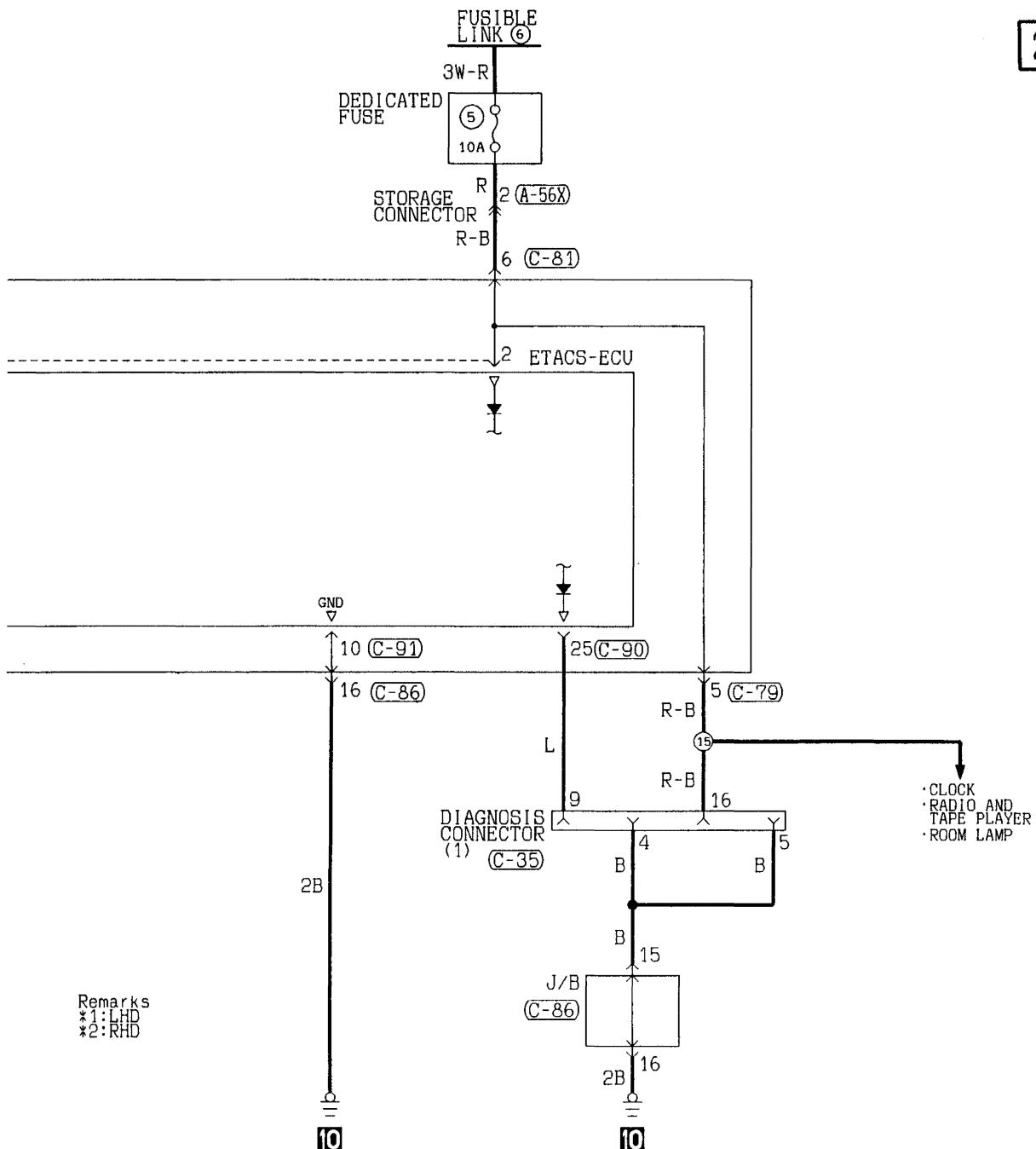


CENTRAL DOOR LOCKING SYSTEM

Except double cab

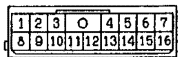


2



Remarks
 *1:LHD
 *2:RHD

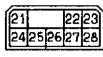
C-87



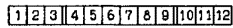
C-88



C-90



C-91



E-09



E-14



E-20



Wire colour code

B:Black LG:Light green

G:Green GR:Gray

L:Blue R:Red

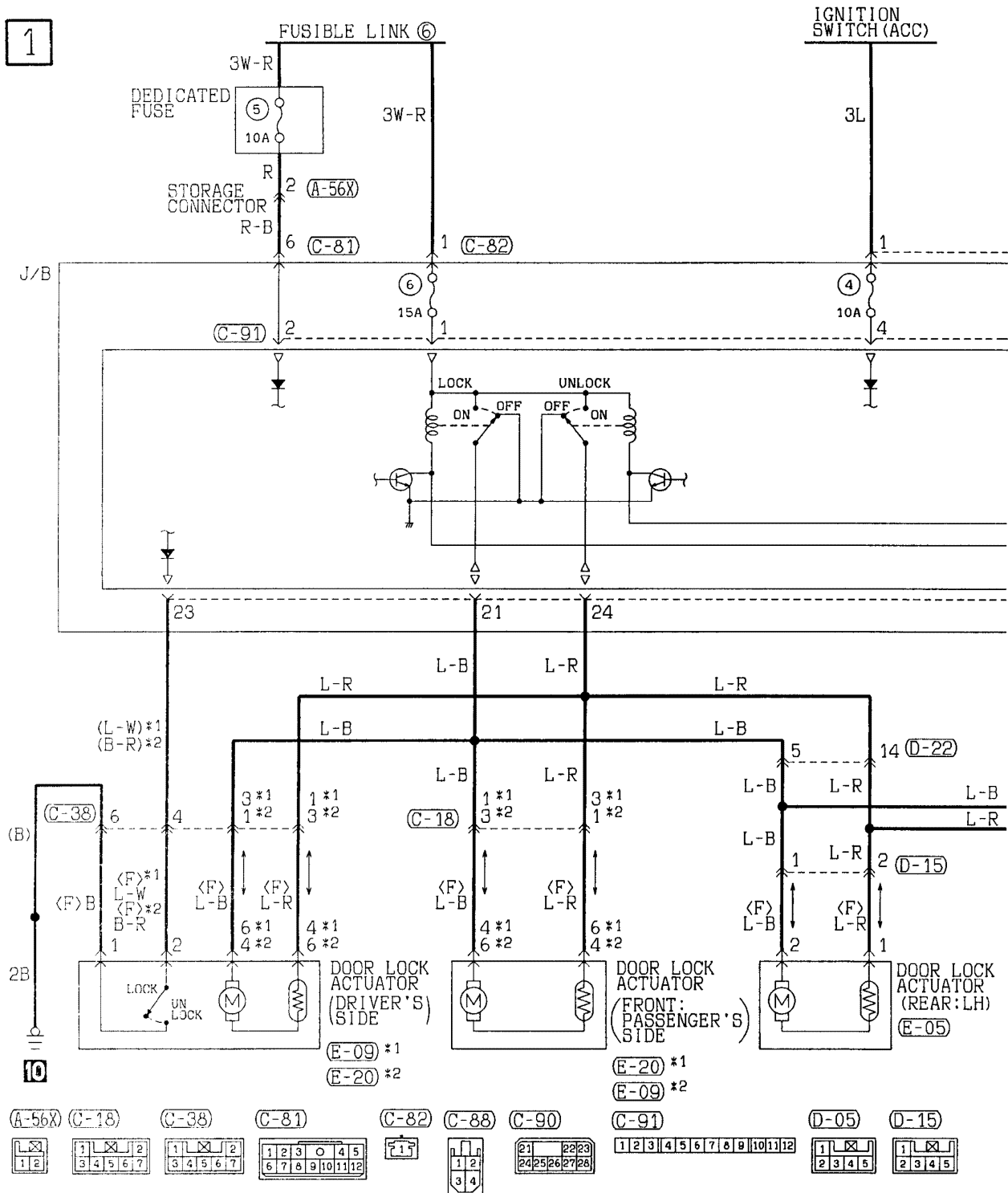
W:White P:Pink

Y:Yellow V:Violet

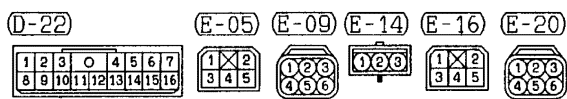
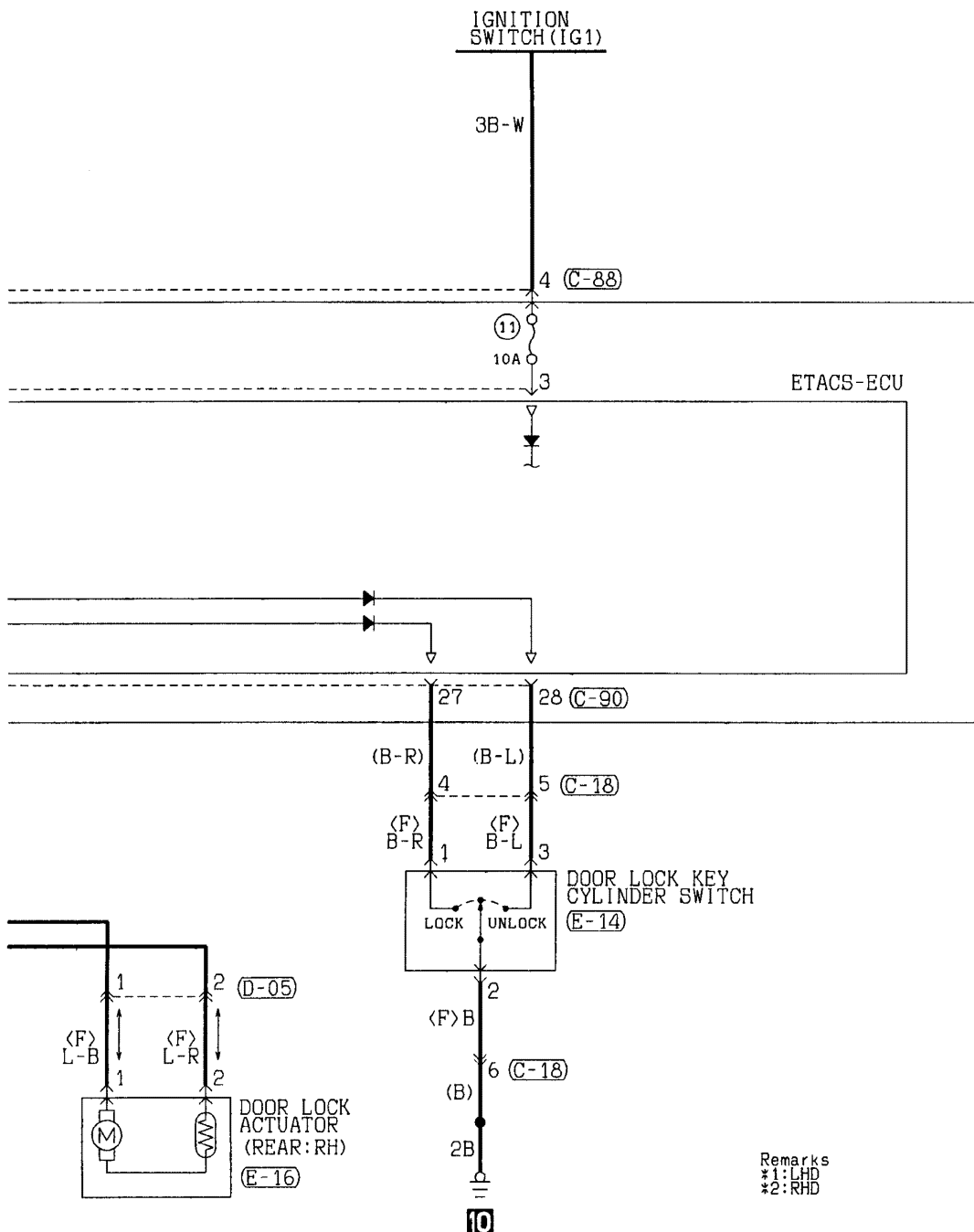
SB:Sky blue

CENTRAL DOOR LOCKING SYSTEM

Double cab



2

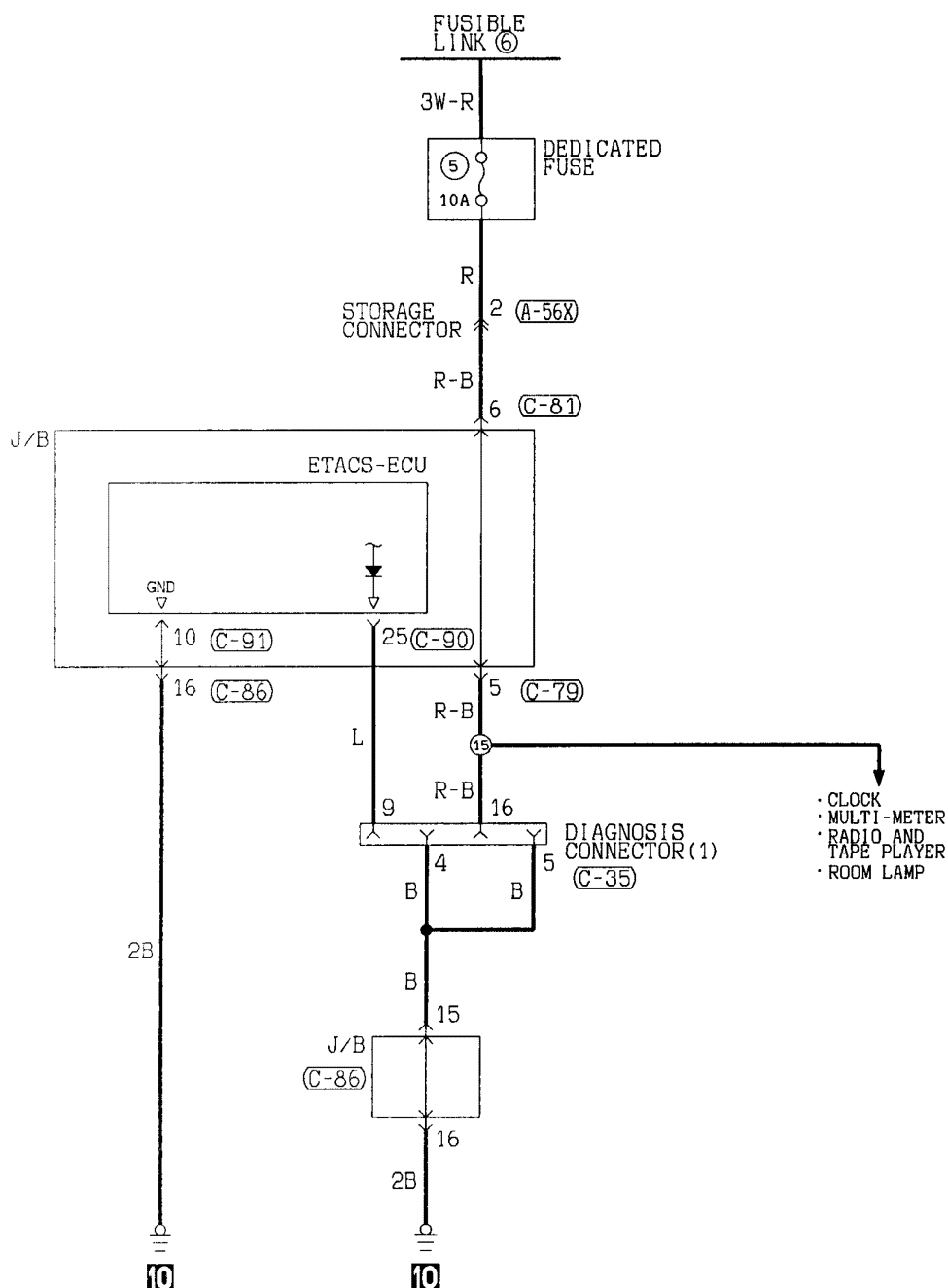


Wire colour code

B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue

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

3



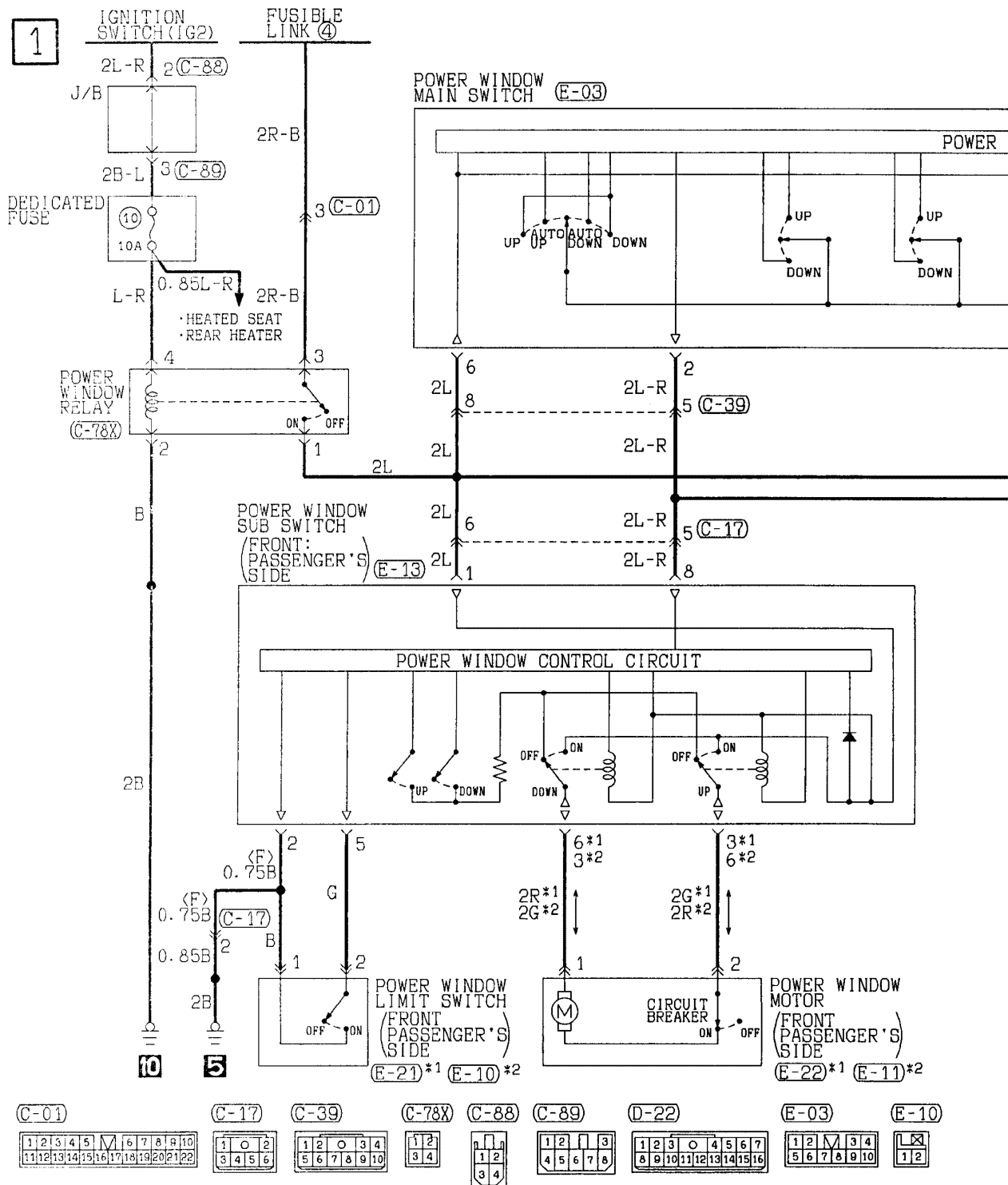
(A-56X) **(C-35)** FRONT SIDE **(C-79)** **(C-81)** **(C-86)** **(C-87)** **(C-90)**

(C-91)

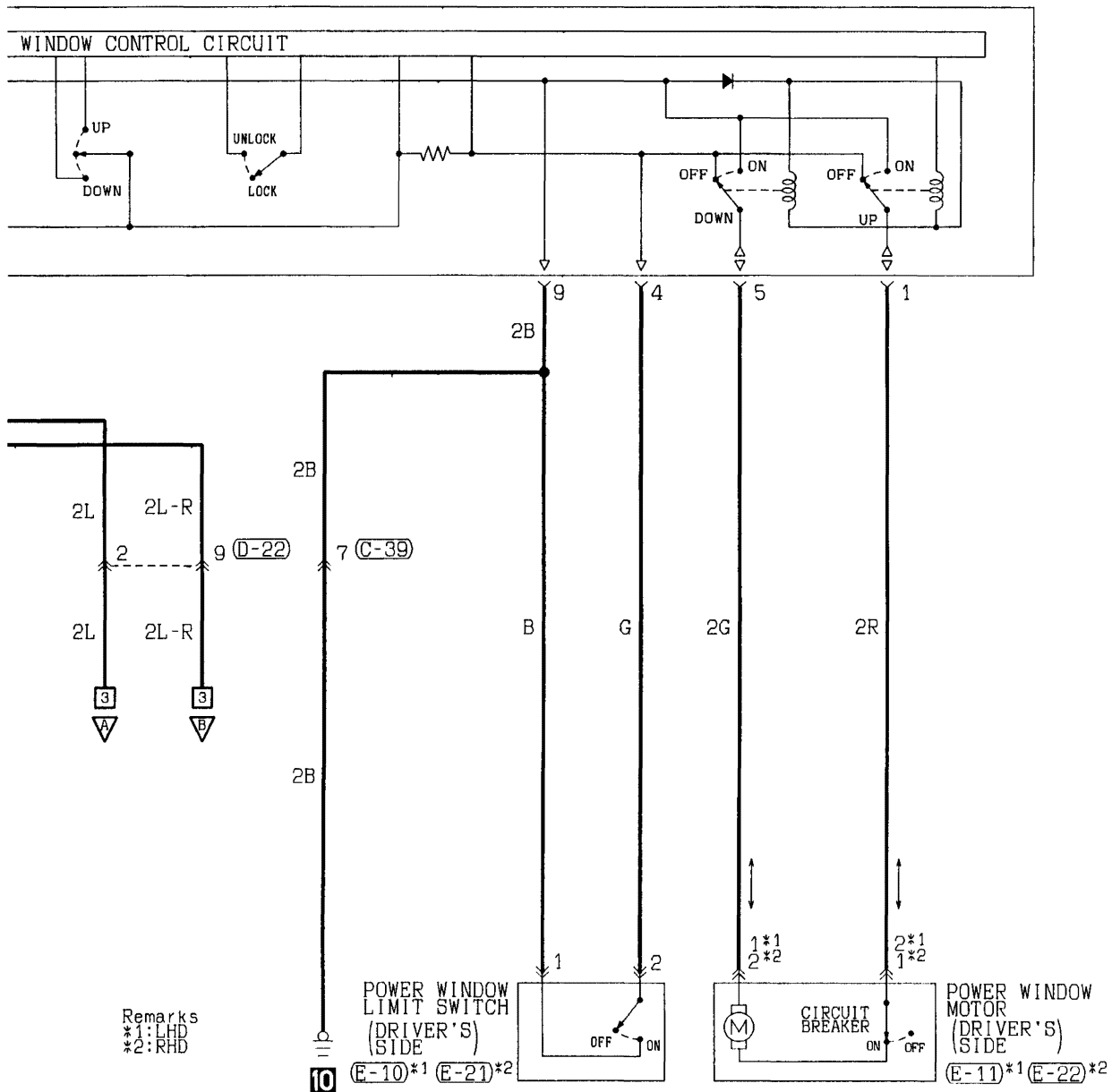
NOTES

POWER WINDOWS

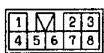
Double cab



2

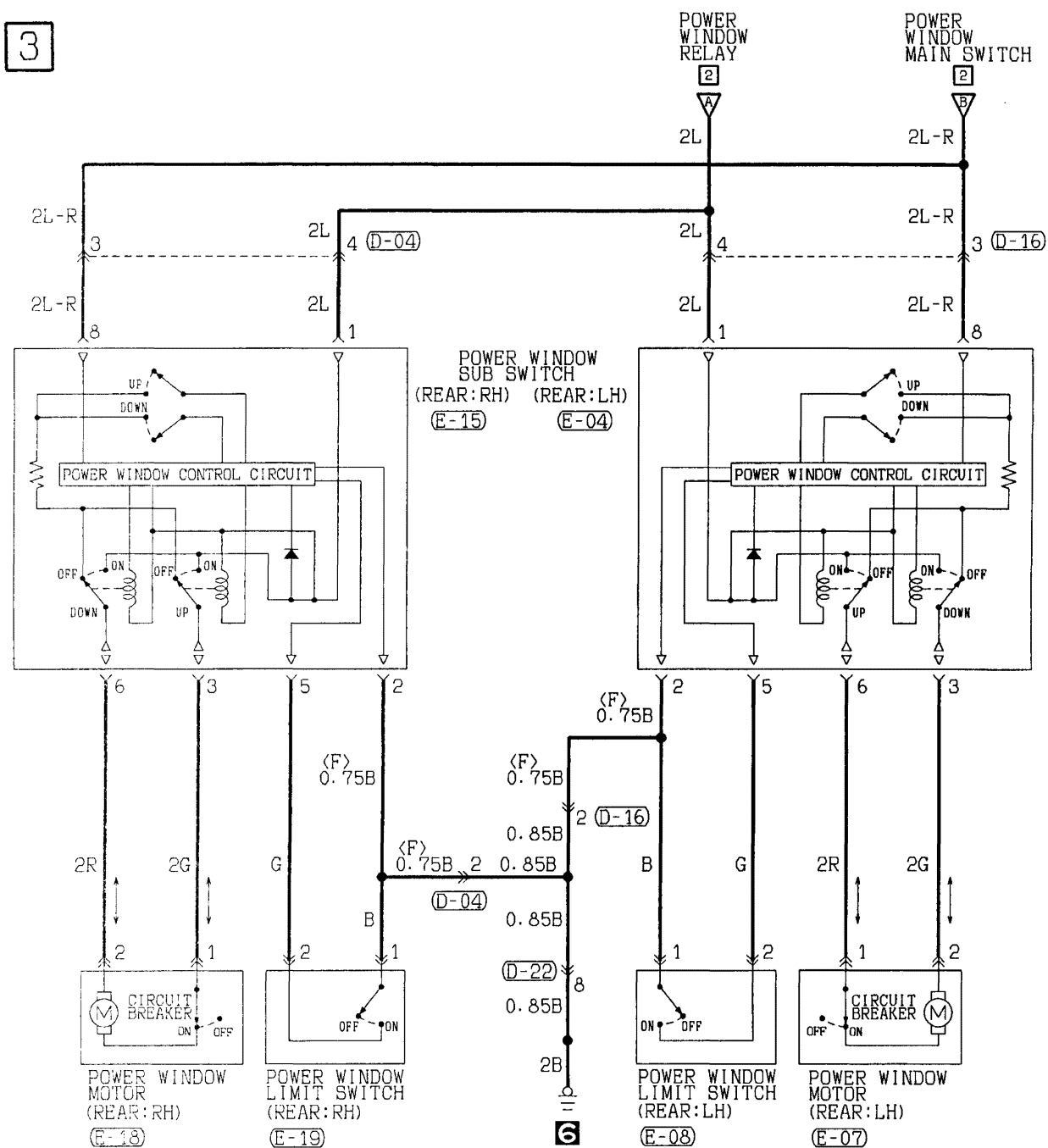


(E-11) (E-13) (E-21) (E-22)



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

POWER WINDOWS <Double cab> (CONTINUED)

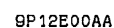


(D-04) (D-16) (D-22) (E-04) (E-07) (E-08) (E-15) (E-18) (E-19)

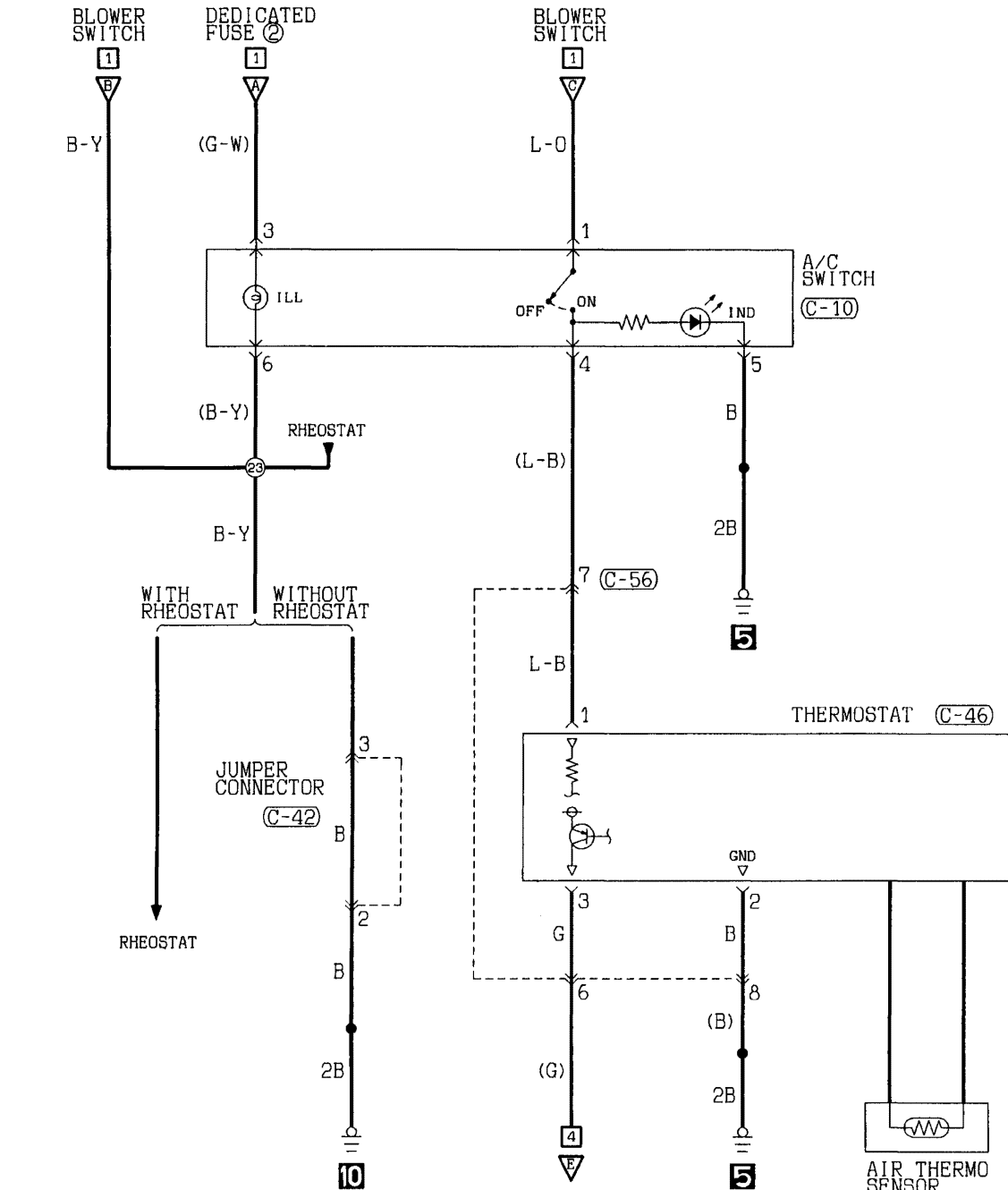
Wire colour code
 B:Black LG:Light green G:Green L:Blue W:White Y:Yellow SB:Sky blue
 BK:Brown O:Orange GR:Gray R:Red P:Pink V:Violet

NOTES

Diesel-powered vehicles with M/T



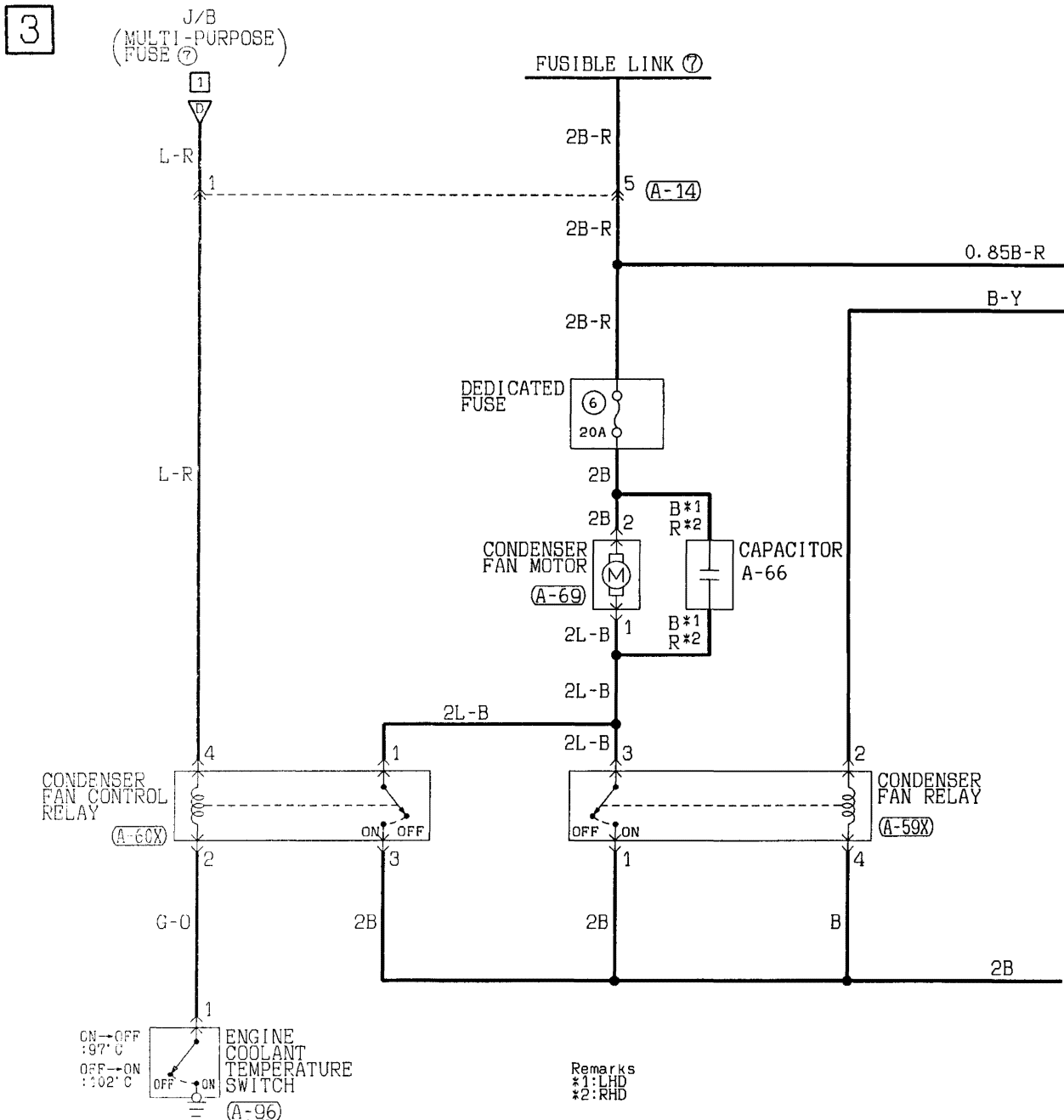
2



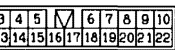
(C-86)	(C-87)	(C-88)	(C-89)	(C-92)	(C-94)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1 2 3 4	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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

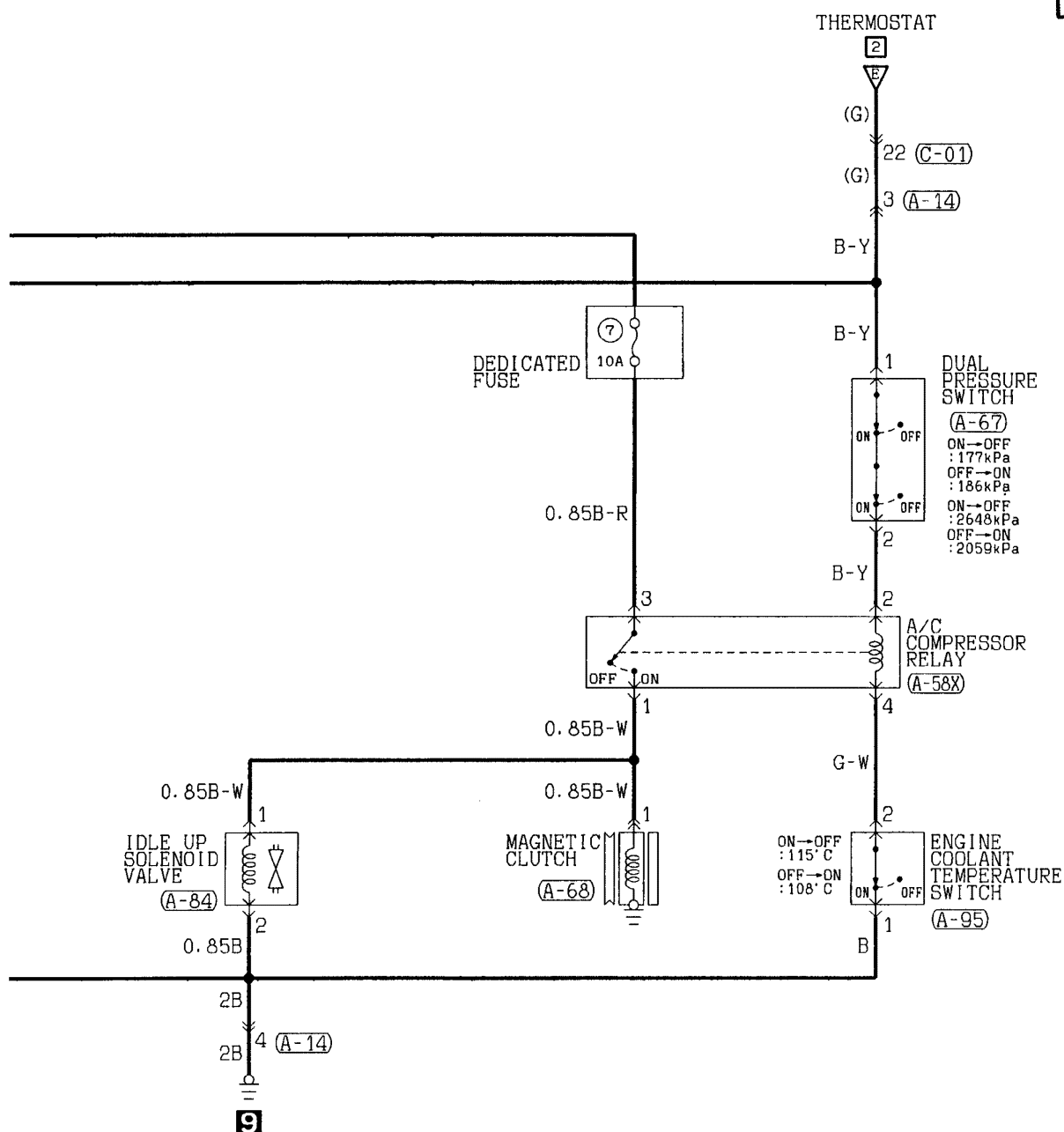
AIR CONDITIONER <Diesel-powered vehicles with M/T> (CONTINUED)



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



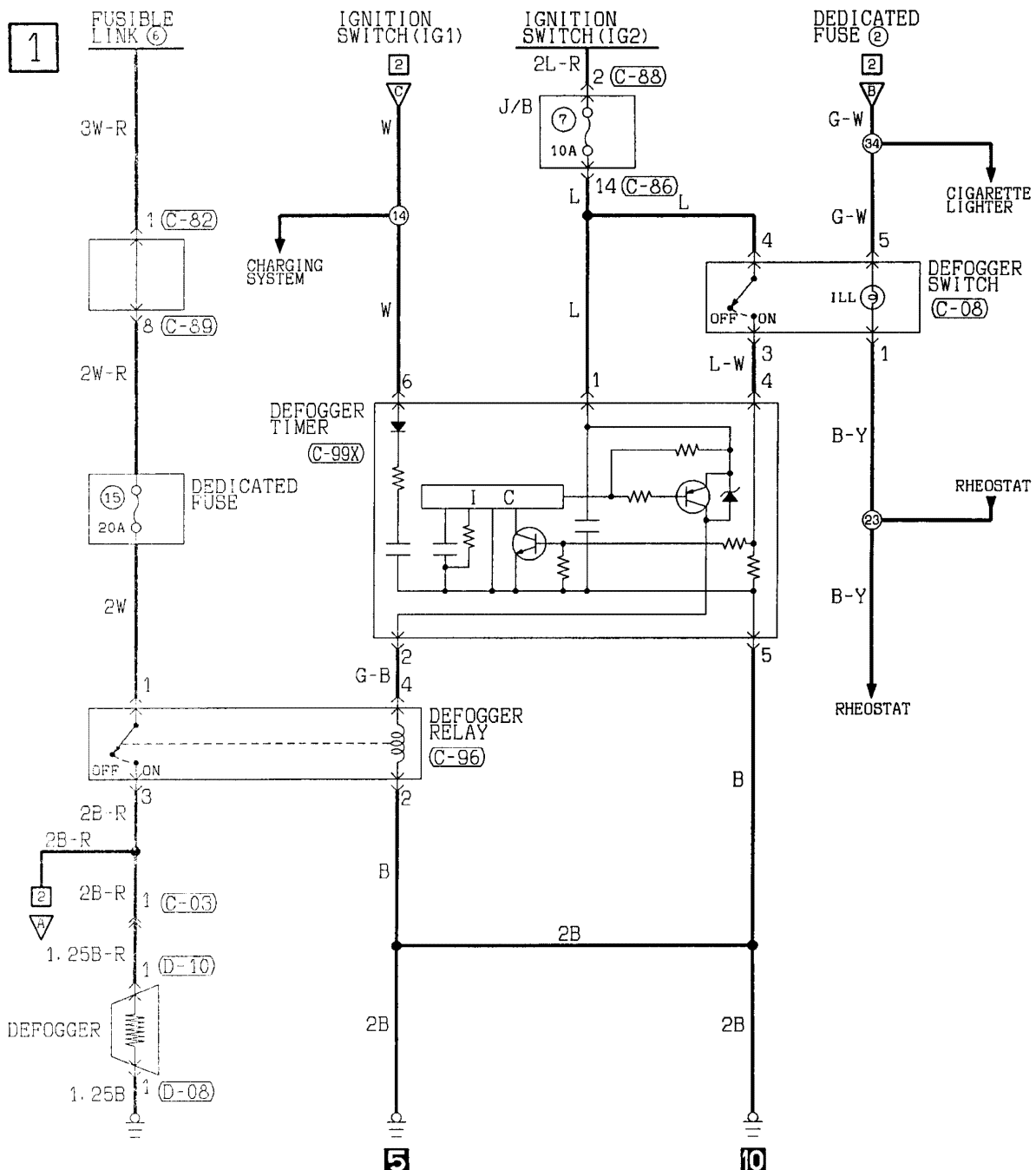
4



SB: Sky blue

DEFOGGER AND DOOR MIRROR HEATER

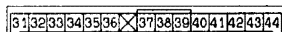
Vehicles with defogger timer



(C-03) (C-04)



(C-06)



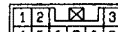
(C-08)



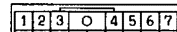
(C-16)



(C-40)



(C-79)

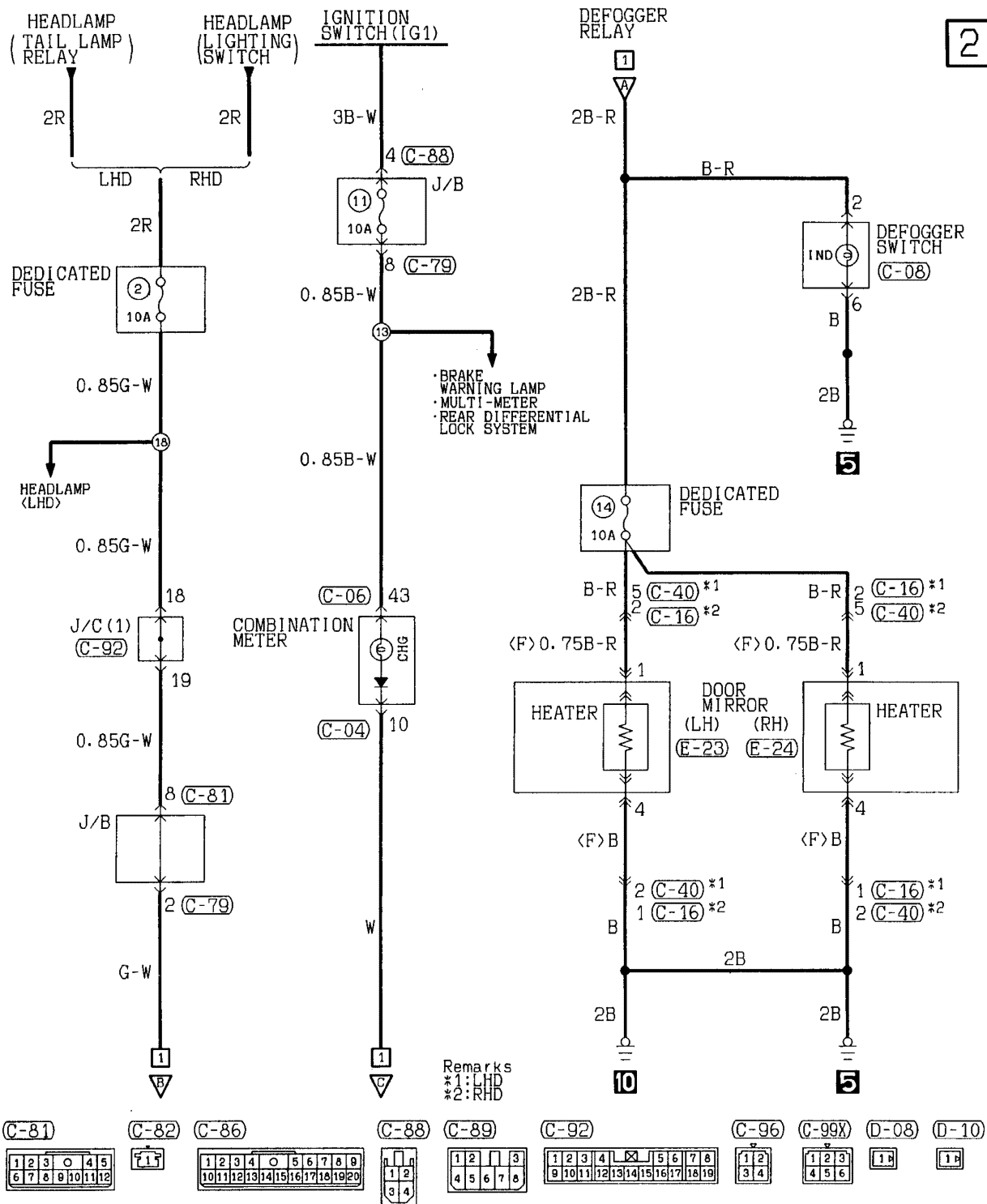


(E-23)



(E-24)

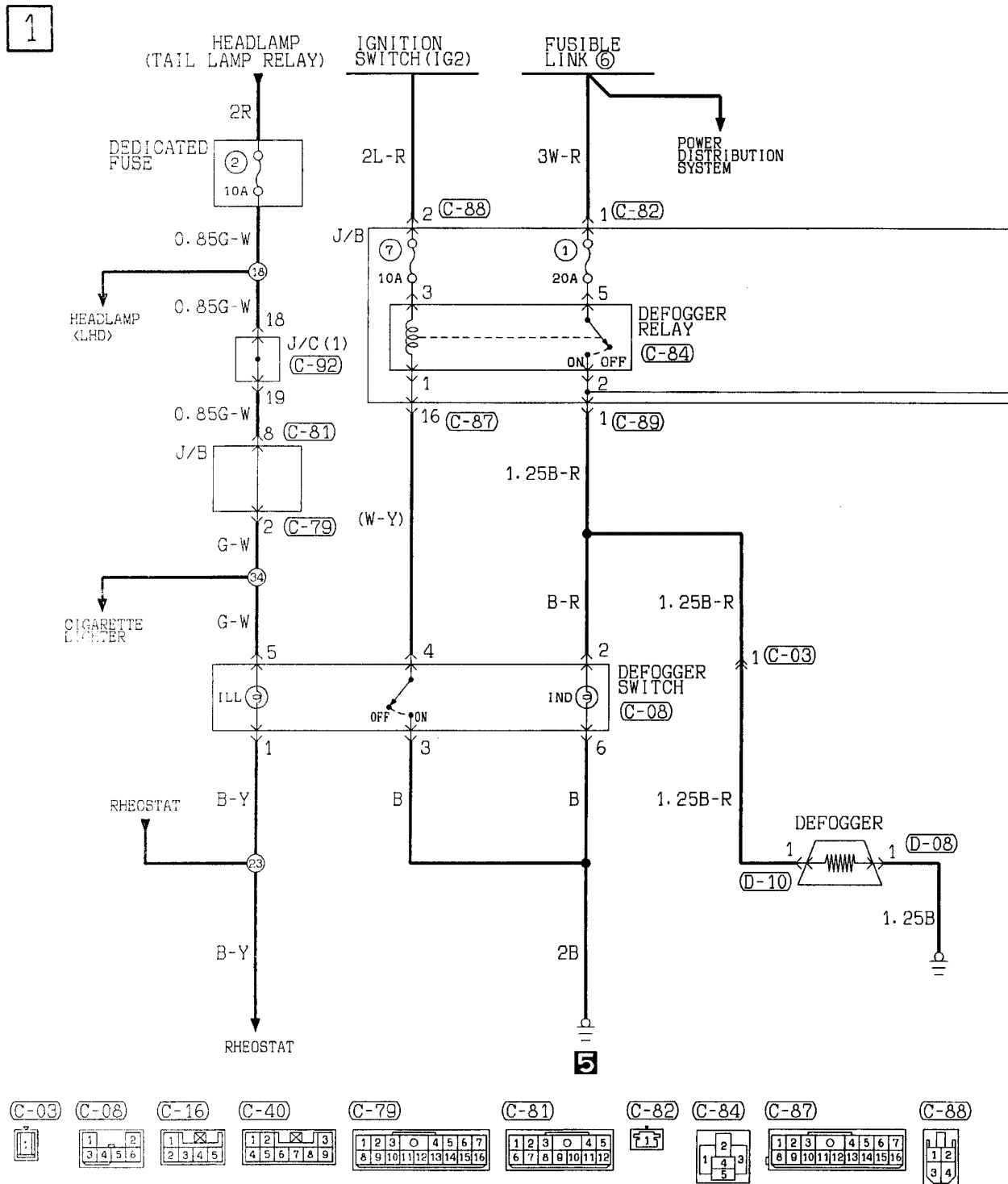




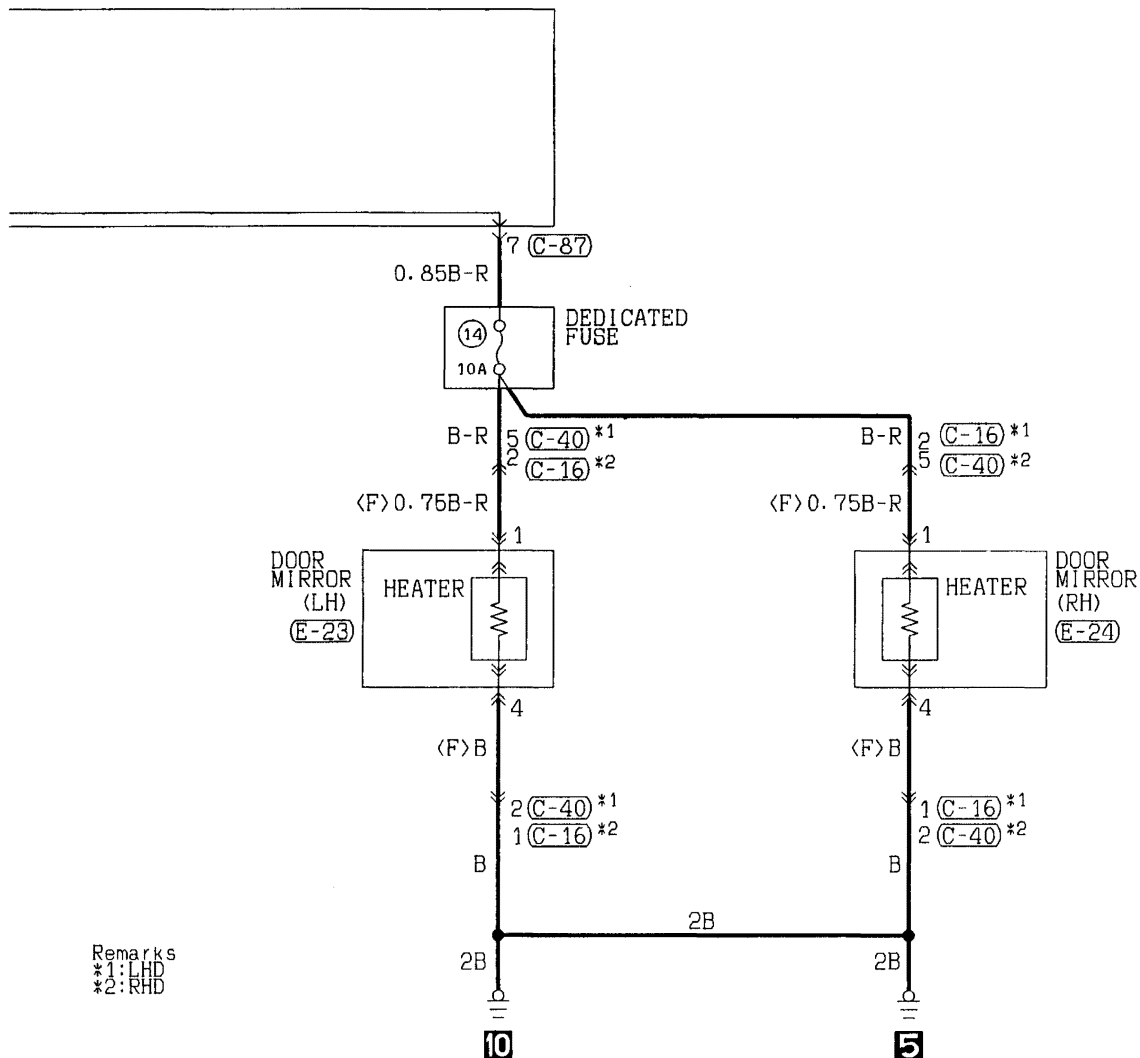
Wire colour code
 B : Black LG : Light green G : Green L : Blue W : White Y : Yellow SB : Sky blue
 BR : Brown O : Orange GR : Gray R : Red P : Pink V : Violet

DEFOGGER AND DOOR MIRROR HEATER

Vehicles without defogger timer



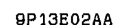
2



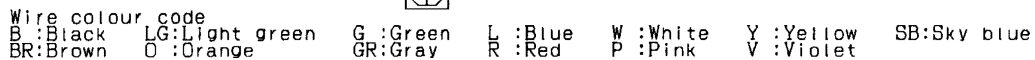
(C-89)	(C-92)	(D-08)	(D-10)	(E-23)	(E-24)
1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	1 2	1 2	1 2 3 4 5 6 7	1 2 3 4 5 6 7

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

L.H. drive vehicles with the remote controlled mirror switch installed in instrument panel

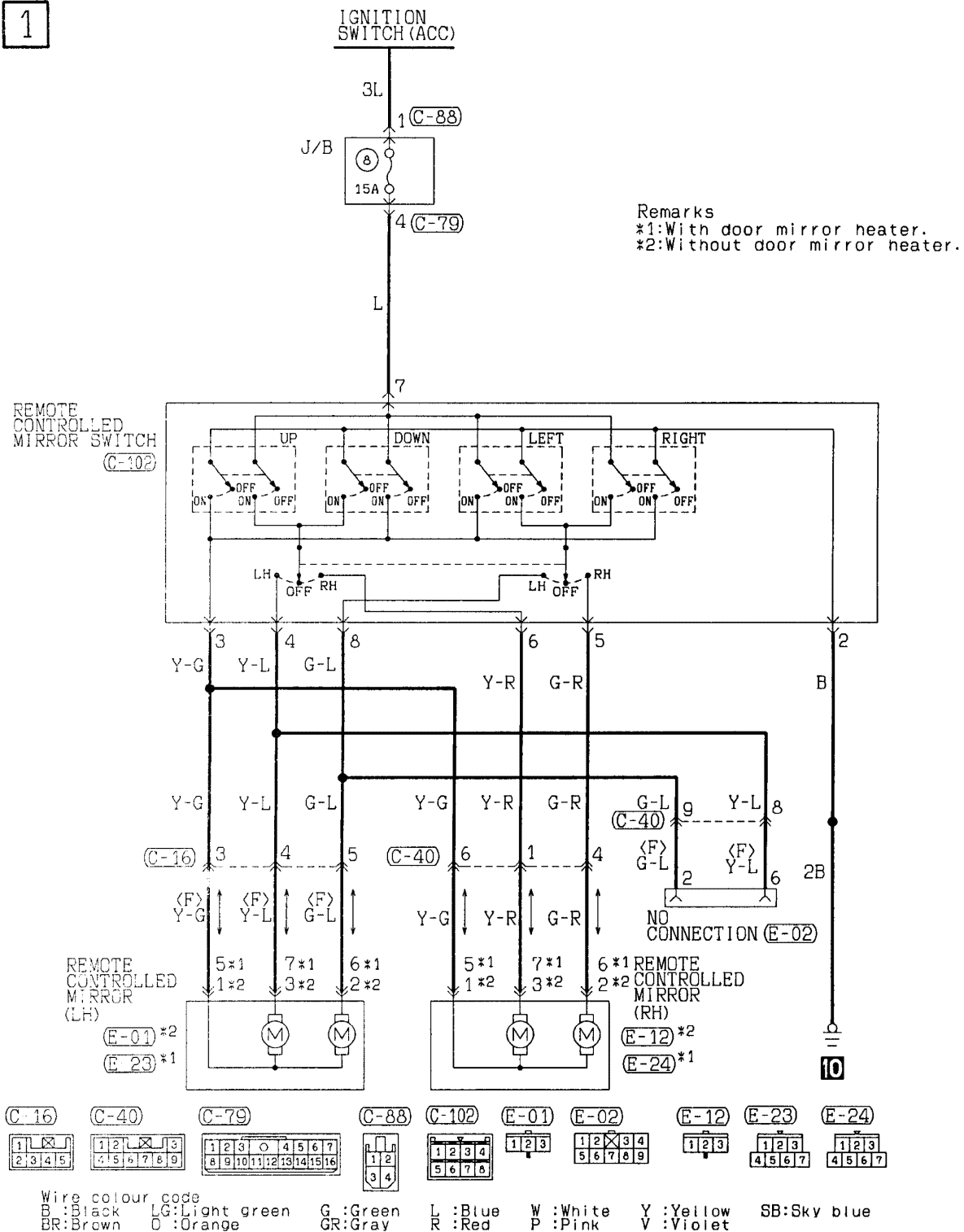


L.H. drive vehicles with the remote controlled mirror switch installed in door

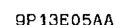


REMOTE CONTROLLED MIRROR

R.H. drive vehicles with the remote controlled mirror switch installed in instrument panel

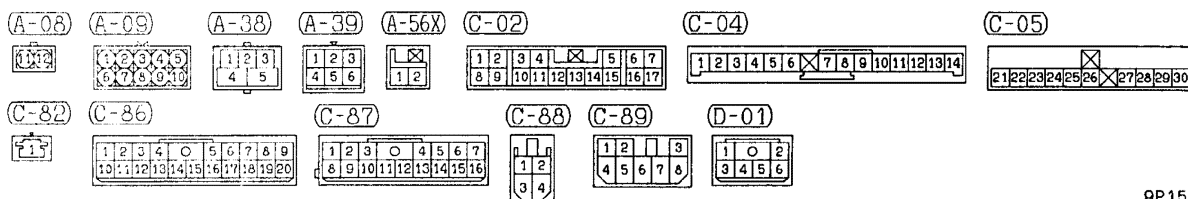
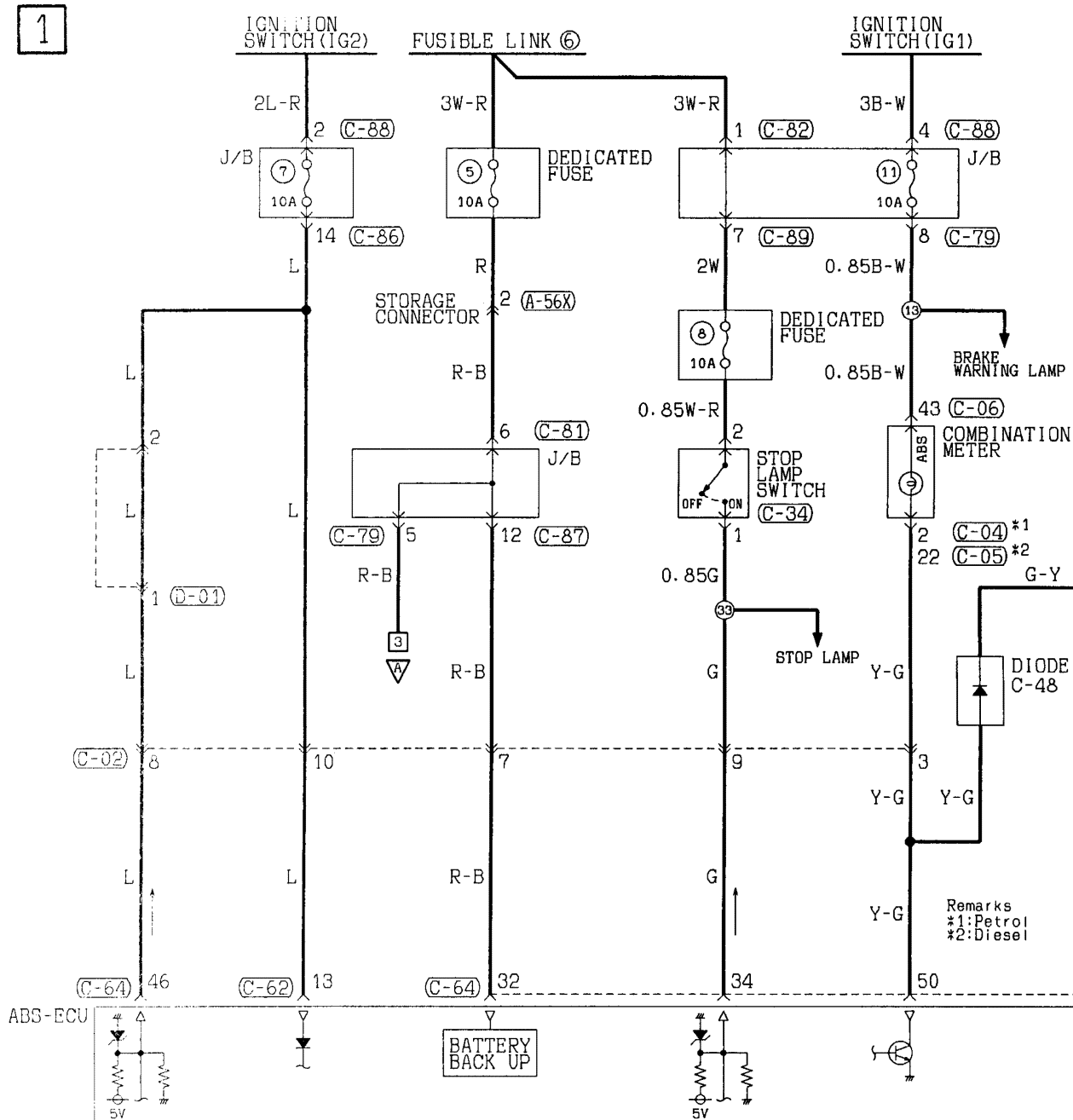


R.H. drive vehicles with the remote controlled mirror switch installed in door

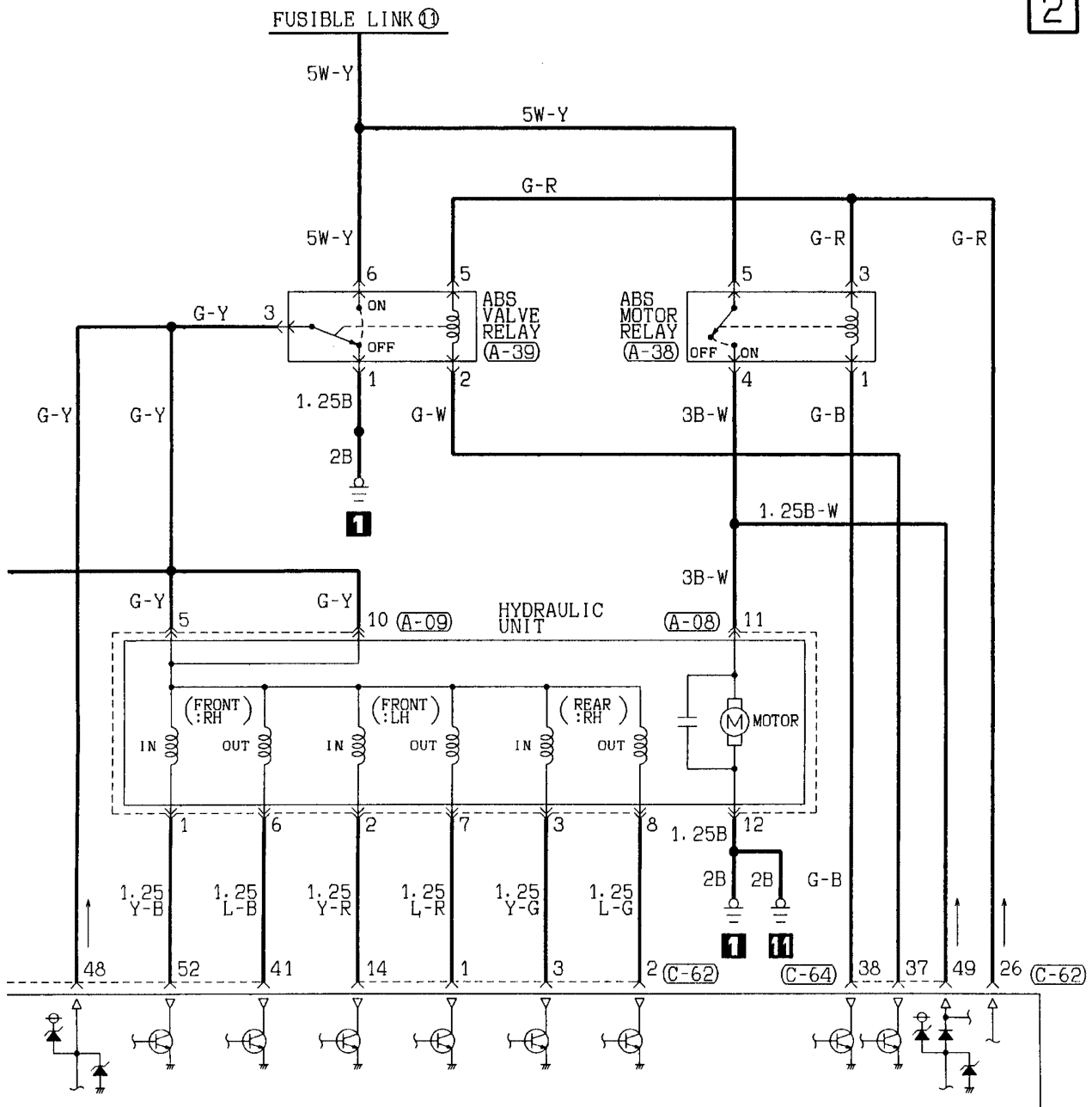


ANTI-SKID BRAKING SYSTEM (ABS)

2WD



2



(C-06)

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

(C-34)

1
2

(C-62)

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

(C-64)

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

(C-79)

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

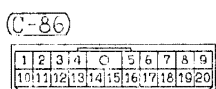
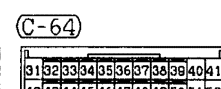
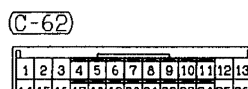
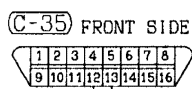
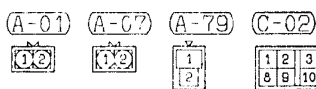
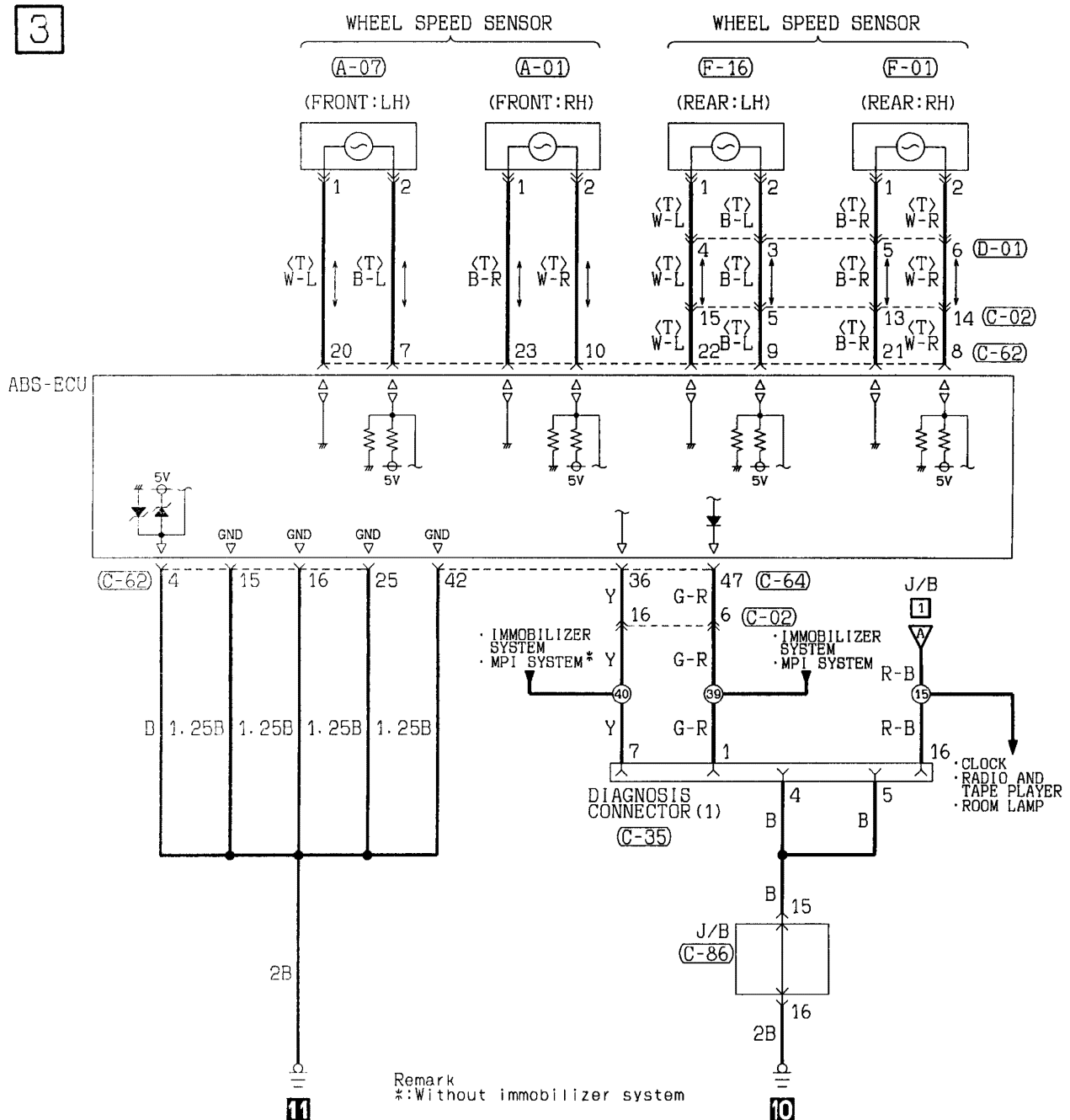
(C-81)

1	2	3	4	5
6	7	8	9	10

Wire colour code

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

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



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

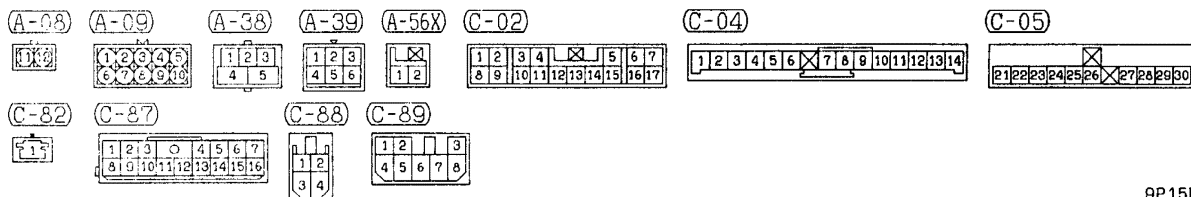
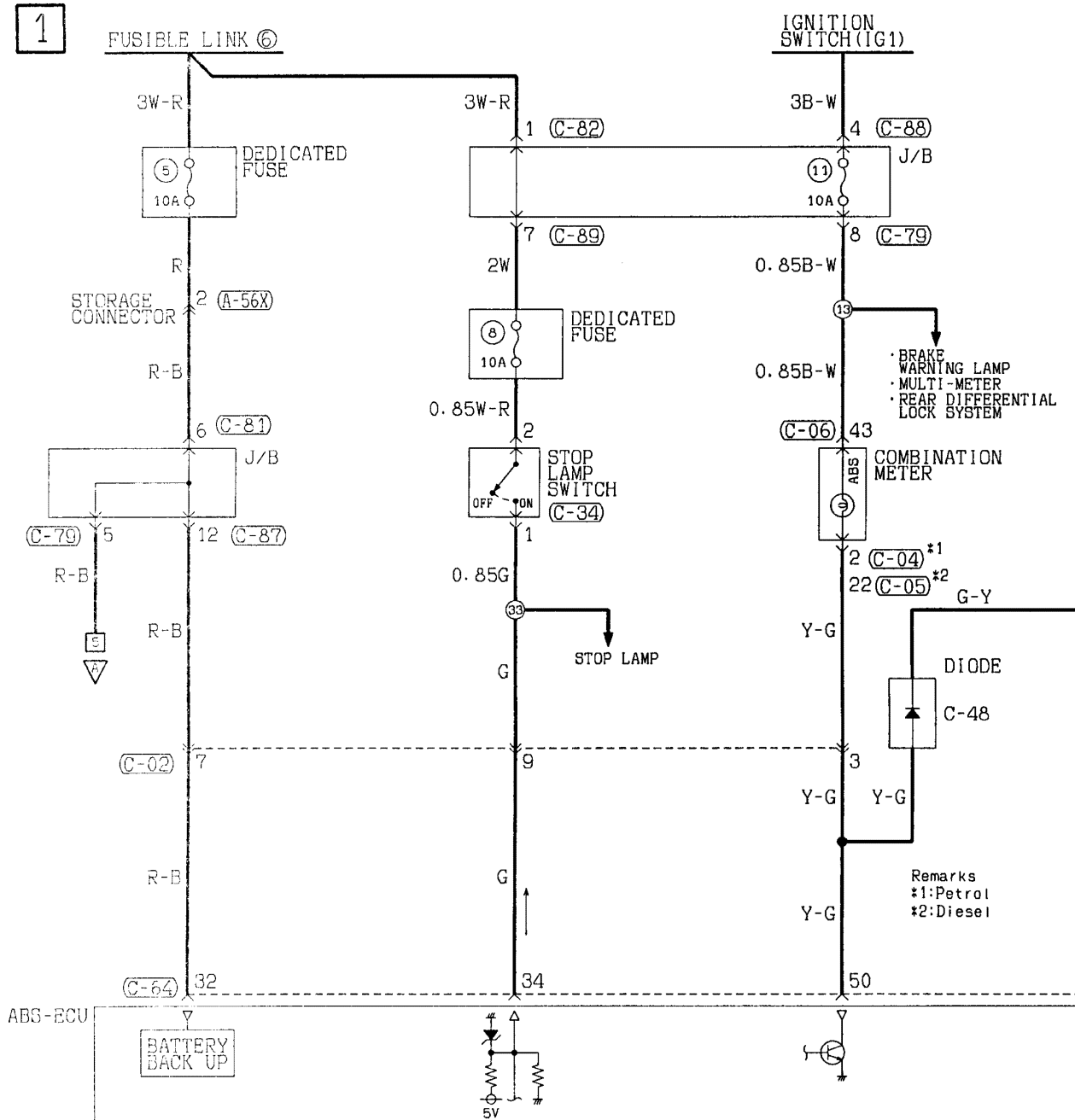
LG : Light green
O : Orange
SB : Sky blue

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

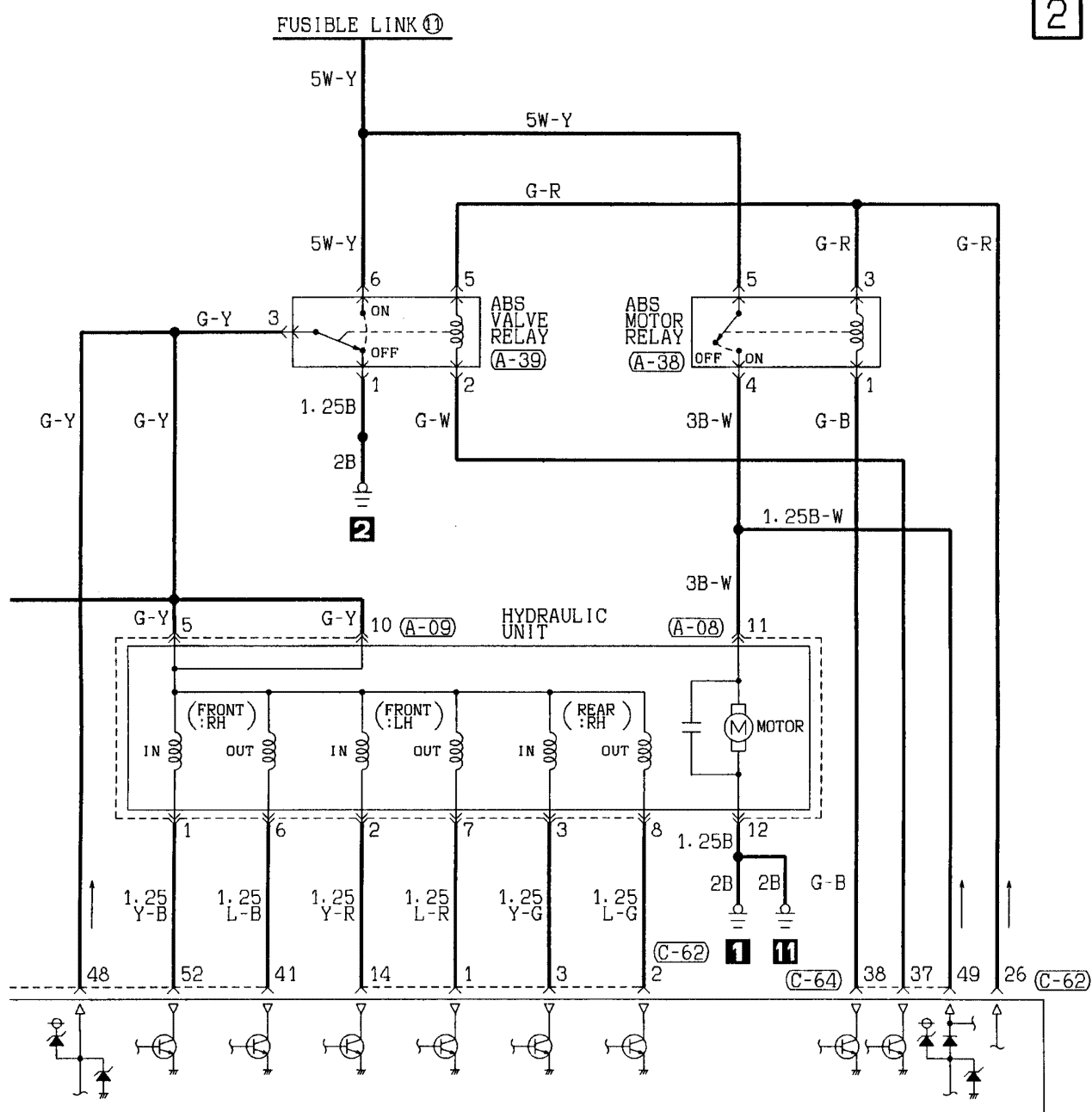
NOTES

ANTI-SKID BRAKING SYSTEM (ABS)

4WD



2



(C-06)

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

(C-34)

1
2

(C-62)

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

(C-64)

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

(C-79)

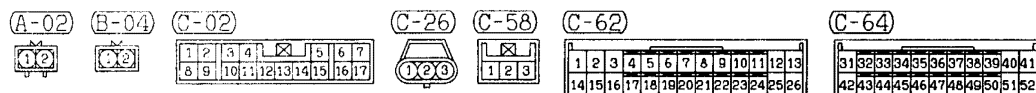
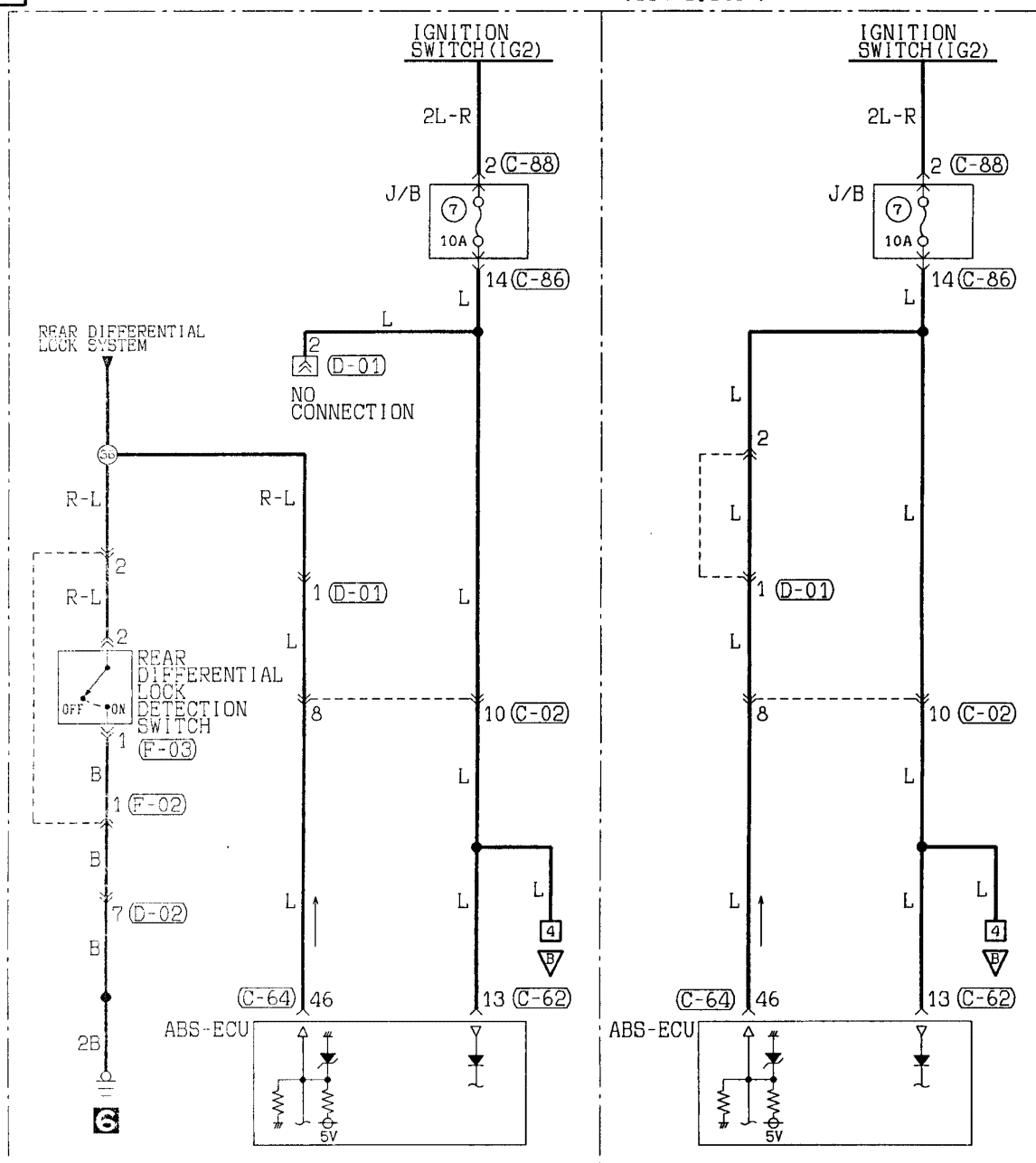
1	2	3	4	5	6	7
8	9	10	11	12	13	14

(C-81)

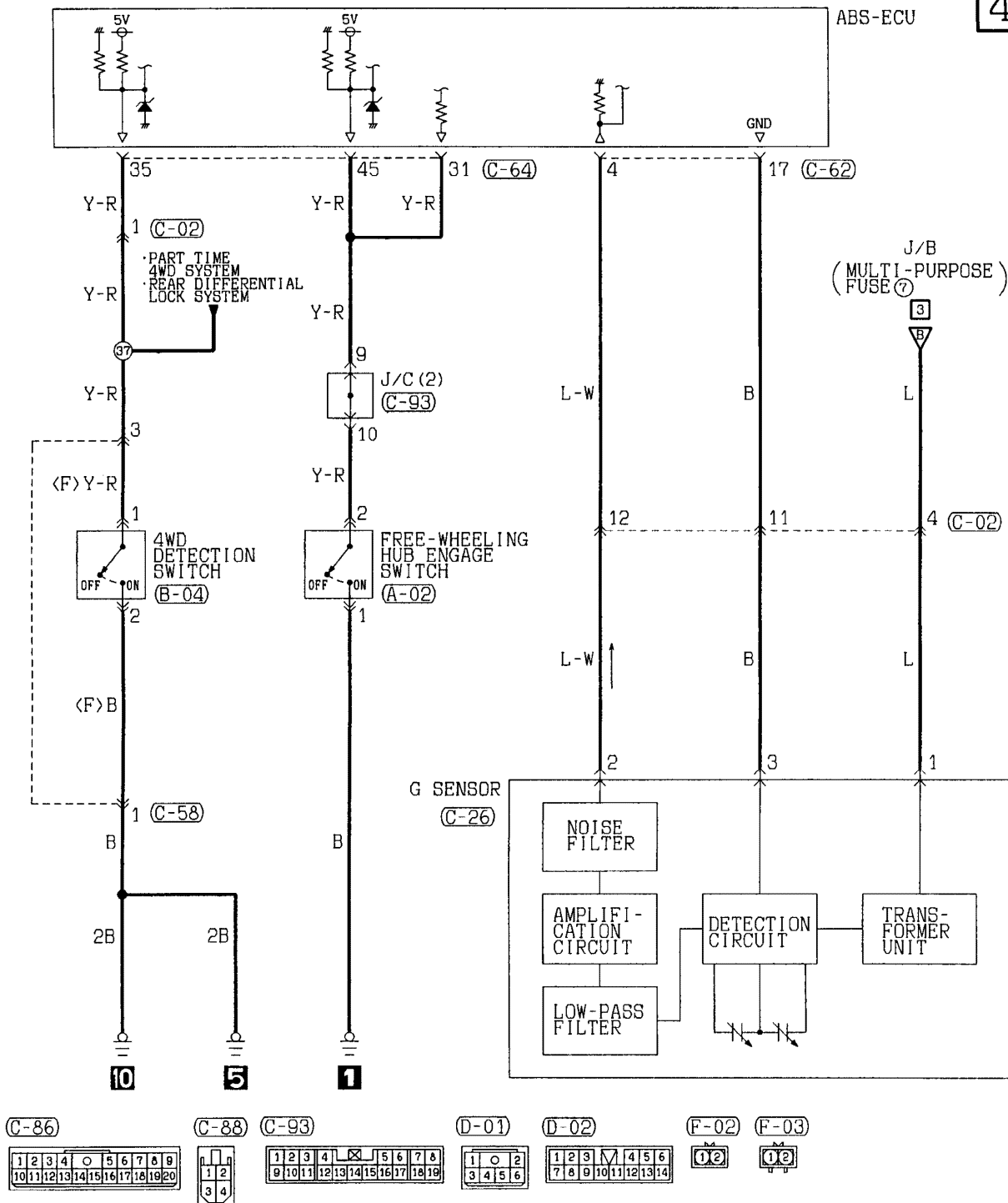
1	2	3	4	5
6	7	8	9	10

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

3 (Vehicles with rear differential lock system) (Vehicles without rear differential lock system)

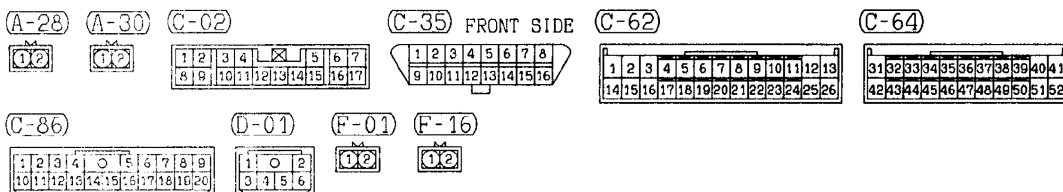
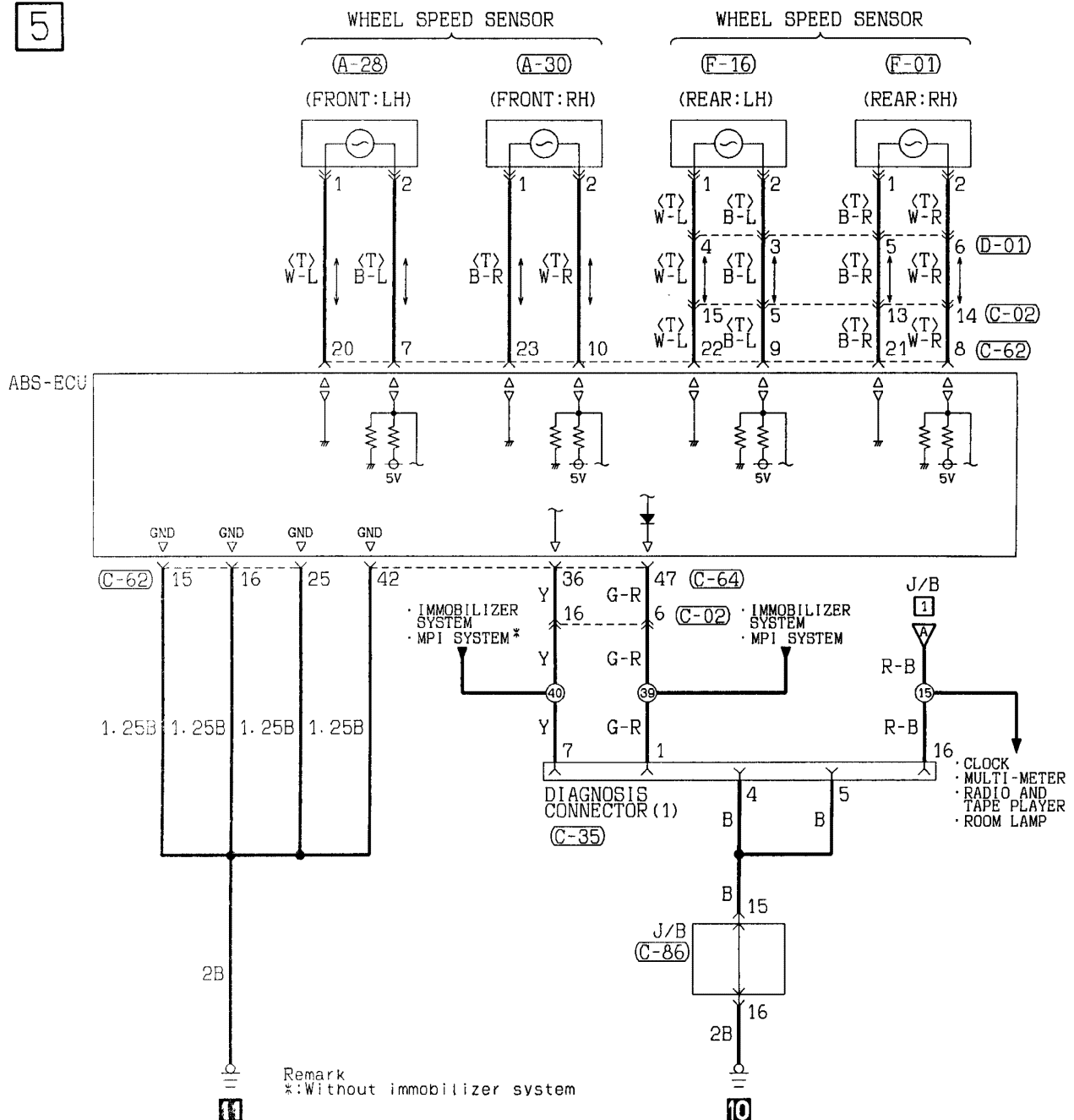


4



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

4WD



NOTES

SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

