MITSUBISHI
L300

ELECTRICAL WIRING

PHWE 8604

•1987

MITSUBISHI
MOTORS CORPORATION

MITSUBISHI L300

ELECTRICAL WIRING

FOREWORD

This Electrical Wiring Manual contains information necessary for inspection and servicing of electrical wiring in the Mitsubishi L300 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.

WORKSHOP MANUAL

ENGINE GROUP	PWEE□□□□□ (Looseleaf edition)
CHASSIS GROUP	PWWE8608
PARTS CATALOGUE	EUR318870U EXP318870U MAL318870U

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

MITSUBISHI MOTORS CORPORATION

HOW TO USE THIS MANUAL

CONTENTS

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

PAGE NUMBERS

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

TROUBLESHOOTING

In the GROUP 4 circuit diagrams, the troubleshooting guide is given on the previous page or following page for each circuit where necessary.

INDICATION OF DESTINATION

Europe, General Export and Australia used for convenience to indicate destination.

NOTE

1. "General Export" means territories other than Europe, Australia, the U.S.A. and Canada.
2. "Gulf Countries" mean the member nations of GCC (GULF COOPERATION COUNCIL) within the limit of "General Export" countries.

0 GENERAL

VEHICLE IDENTIFICATION

VEHICLES FOR EUROPE

Model code	Engine model	Displacement (cc)	Body type
P02VGLZL6	4G32	1600	Panel van
P02VGLZR6	4G32	1600	Panel van
P02VLZL6	4G32	1600	Window van
P03VGLZAL6	G63B (F.B.C.)	2000	Panel van
P03VLZAL6	G63B (F.B.C.)	2000	Window van
P03WLZXL6	4G63	2000	Mini bus
P03WLZXAL6	G63B (F.B.C.)	2000	Mini bus
P05VGLZL6	4D56	2500	Panel van
P05VGLZR6	4D56	2500	Panel van
P05WLZXL6	4D56	2500	Mini bus
P12VJLZL6	4G32	1600	Panel van (Long body)
P12VJLZR6	4G32	1600	Panel van (Long body)
P13VJLZAL6	G63B (F.B.C.)	2000	Panel van (Long body)
P15VJLZL6	4D56	2500	Panel van (Long body)
P15VJLZR6	4D56	2500	Panel van (Long body)
P23VLNL6	4G63	2000	Window van (4WD)
P23WLNXL6	4G63	2000	Mini bus (4WD)
P24VLNAL6	G64B (M.P.I.)	2400	Window van (4WD)
P24WLNXAL6	G64B (M.P.I.)	2400	Mini bus (4WD)

NOTE
(1) F.B.C. : Feed Back Carburetor
(2) M.P.I. : Multi-Point Injection

VEHICLES FOR GENERAL EXPORT

Model code	Engine model	Displacement (cc)	Body type
P01VGLCL	4G33	1400	Panel van
P01VGLCR	4G33	1400	Panel van
P01VLCR	4G33	1400	Window van
P01WSCL	4G33	1400	Mini bus
P01WSCR	4G33	1400	Mini bus
P03WSZUL	4G63	2000	Mini bus
P05VGLZL	4D56	2500	Panel van
P05VGLZR	4D56	2500	Panel van
P05VLZR	4D56	2500	Window van
P12VJLCL	4G32	1600	Panel van (Long body)
P12VJLCR	4G32	1600	Panel van (Long body)
P12WHLCL	4G32	1600	Mini bus (Long body)
P12WHLCR	4G32	1600	Mini bus (Long body)
P15VJLZL	4D56	2500	Panel van (Long body)
P15VJLZR	4D56	2500	Panel van (Long body)
P15WHLZL	4D56	2500	Mini bus (Long body)
P15WHLZR	4D56	2500	Mini bus (Long body)
P23WSNUL	4G63	2000	Mini bus (4WD)
P23WSNUR	4G63	2000	Mini bus (4WD)

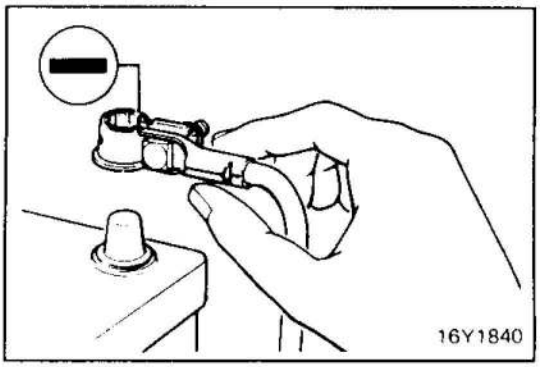
VEHICLES FOR GULF COUNTRIES

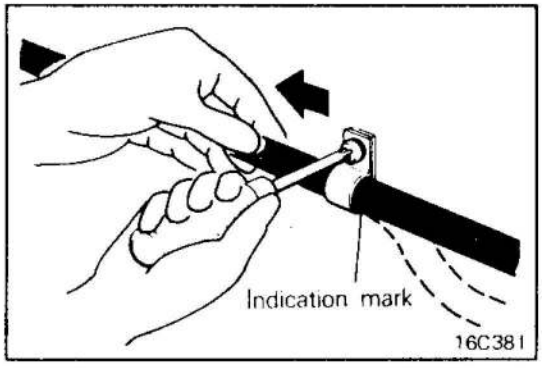
Model code	Engine model	Displacement (cc)	Body type
P02VGLCLW	4G32	1600	Panel van
P02VLCLW	4G32	1600	Window van
P02WSZULW	4G32	1600	Mini bus
P12VJLCLW	4G32	1600	Panel van (Long body)
P12WHLCLW	4G32	1600	Mini bus (Long body)

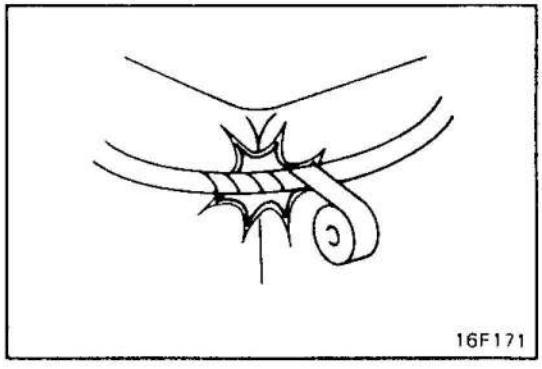
VEHICLES FOR AUSTRALIA

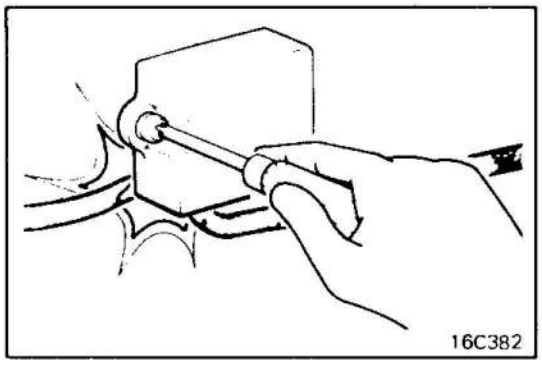
Model code	Engine model	Displacement (cc)	Body type
P03VGSNR8	4G63	2000	Panel van
P03VGSRR8	4G63	2000	Panel van
P03WSNR8	4G63	2000	Mini bus
P03WSRR8	4G63	2000	Mini bus
P03WSNXR8	4G63	2000	Mini bus
P03WSRXR8	4G63	2000	Mini bus
P04WSNPR8	4G64 (M.P.I.)	2400	Mini bus
P04WSRPR8	4G64 (M.P.I.)	2400	Mini bus
P13VJLNR8	4G63	2000	Panel van (Long body)
P13VJLRR8	4G63	2000	Panel van (Long body)
P24VGSNR8	4G64 (M.P.I.)	2400	Panel van (4WD)
P24WSNXR8	4G64 (M.P.I.)	2400	Panel van (4WD)

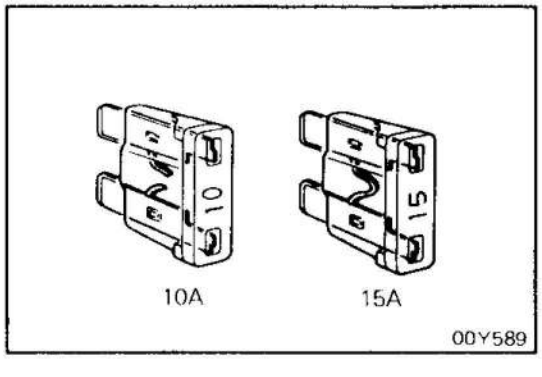
NOTE
M.P.I. : Multi-Point Injection









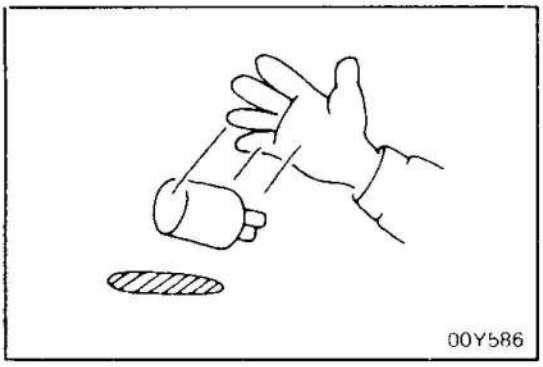


SERVICING THE ELECTRICAL SYSTEM

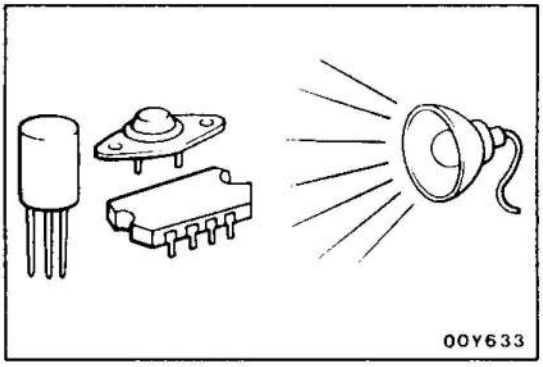
1. When servicing the electrical system, pay attention to the following.
   Never attempt to modify an electrical unit or to change wirings, which may otherwise cause not ony a vehicle failure but a vehicle fire due to over-capacity load or short-circuit.
2. When servicing the electrical system, disconnect the negative cable from the terminal of the battery.

   Caution
   Before connecting or disconnecting the negative cable, be sure to turn off the ignition switch and the lighting switch.
   (If this is not done, there is the possibility of the semi-conductor parts being damaged.)

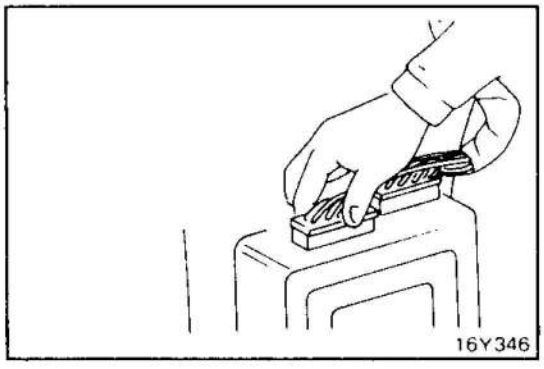
3. Secure the wiring harnesses by using clamps so that there is no slack. However, for any harness which passes to the engine or other vibrating parts of the vehicle, allow some slack within a range that does not allow the engine vibrations to cause the harness to come into contact with any of the surrounding parts, and then secure the harness by using a clamp.
   In addition, if a mounting indication mark (yellow tape) is on a harness, secure the indication mark in the specified location.
4. If any section of a wiring harness interferes with the edge of a part, or a corner, wrap the section of the harness with tape or something similar in order to protect it from damage.
5. When installing any of the vehicle parts, be careful not to pinch or damage any of the wiring harnesses.
6. If a burned-out fuse is to be replaced, be sure to use only a fuse of the specified capacity. If a fuse of a capacity larger than that specified is used, parts may be damaged and the danger of fire also exists.


00Y586

7. The sensors, relays, etc. must never be subjected to strong shocks. Do not allow them to fall and do not throw them when handling.


00Y633

8. The electronic parts used in the computer, relays, etc. are readily damaged by heat. If there is a need for service operations that may cause the temperature to exceed 80°C (176°F), remove the electronic parts beforehand.


16Y346

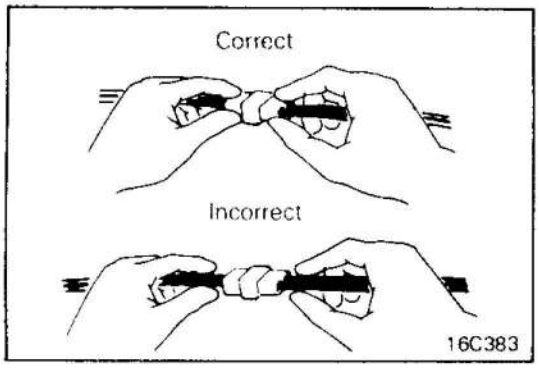
9. Loose connectors could cause troubles. Make sure that the connectors are connected securely.

Nominal size (designated by SAE gauge No. sectional area in mm² of wire)	Permissible current	
	Within engine compartment	Other areas
0.3 mm²		5A
0.5 mm²	7A	13A
0.85 mm²	9A	17A
1.25 mm²	12A	22A
2.0 mm²	16A	30A
3.0 mm²	21A	40A
5.0 mm²	31A	54A

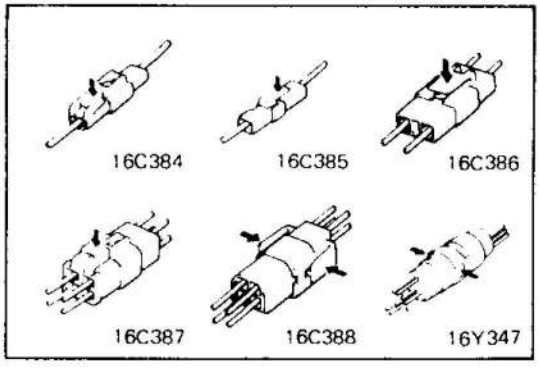
Circuits using shielded wires prevent the effects of ignition noise, radio interference, etc. If shielded wires are defective, replace as a harness assembly.

If additional optional equipment is to be installed in the vehicle, follow the procedure listed in the appropriate instruction manual; however, be sure to pay careful attention to the following points:

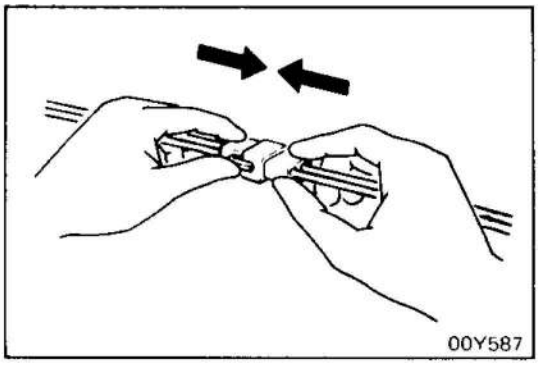
(1) In order to avoid overloading the wiring, take the electrical current load of the optional equipment into consideration, and determine the appropriate wire size.
(2) Where possible, route the wiring through the existing harness.
(3) If an ammeter or similar instrument is to be connected to a live-wire circuit, use tape to protect the wire, use a clamp to secure the wire, and make sure that there is no contact with any other parts.
(4) Be sure to provide a fuse for the load circuit of the optional equipment.
(5) The 0.3 mm² size cables are intended for use in limited applications such as the electrical signal circuits, indicator lamp and illumination lamp circuits. They must not be used in the other applications.



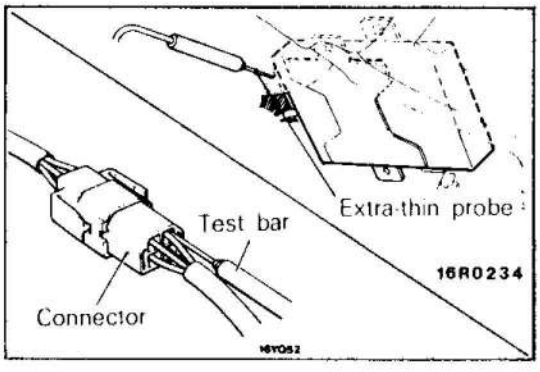
10. When disconnecting a connector, be sure to pull only the connector, not the harness.

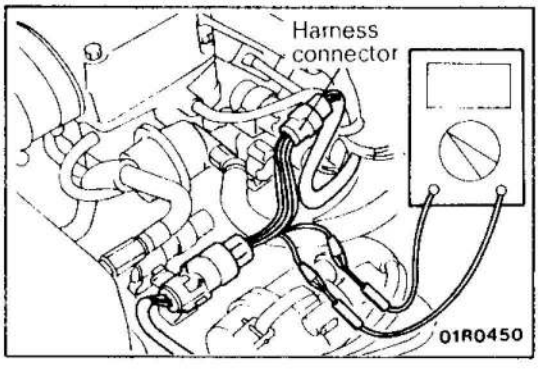


11. Disconnect connectors which have catches by pressing in the direction indicated by the arrows in the illustration.



12. Connect connectors which have catches by inserting the connectors until they snap.





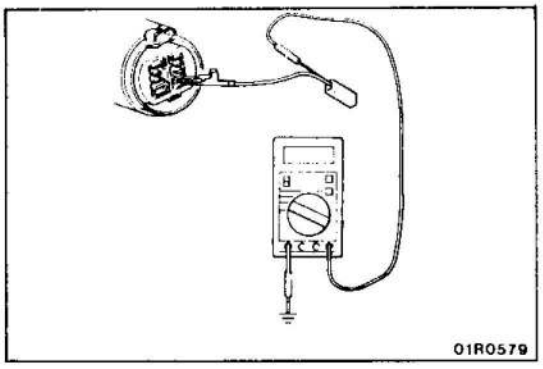
INSPECTION OF HARNESS CONNECTOR

VOLTAGE/CONTINUITY CHECK AT CONNECTOR

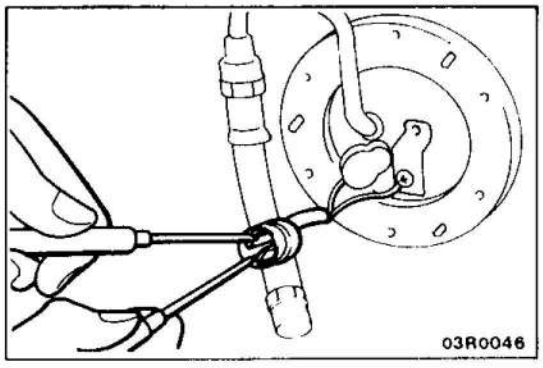
Follow the steps below to avoid causing poor connector contact and/or reduced waterproof performance of connectors when checking continuity and/or voltage at connectors.

(1) Ordinary (non-waterproof) connectors
Check by inserting the test bar from the harness side. Note that if the connector (control unit, etc.) is too small to permit insertion of the test bar, it should not be forced; use a special tool (the extra-thin probe in the harness set for checking) for this purpose.

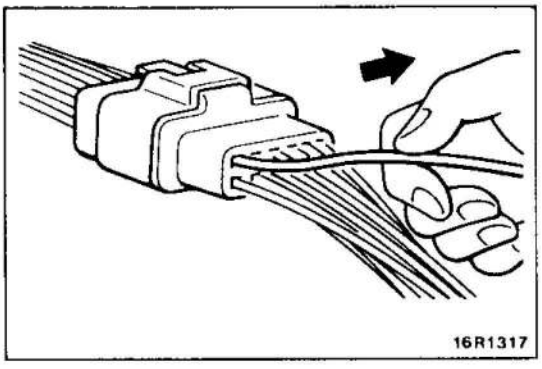
(2) Waterproof connectors
If checking is performed with the circuit in the state of continuity, be sure to use the special tool (harness connector).
Never insert a test bar from the harness side, because to do so will reduce the waterproof performance and result in corrosion.



(3) If the connector is disconnected for checking and the facing part is the female pin side, a special tool (the harness for checking the contact pressure of connector pins, provided in the harness set for checking) should be used.
Never force the insertion of a test bar, because to do so will cause poor or improper contact.

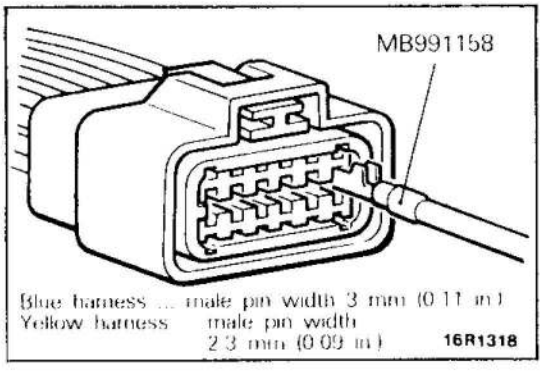


(4) If the facing part is the male pin side, contact the test bar directly to the pins.
Care must be taken not to short-circuit the connector pins.



CHECK FOR IMPROPER ENGAGEMENT OF TERMINAL

When terminal stopper of connector is out of order, engagement of male and female terminals becomes improper even when connector itself is engaged perfectly and terminal sometimes slips out to rear side of connector. Ascertain, therefore, that each terminal does not come off connector by pulling each harness wire.



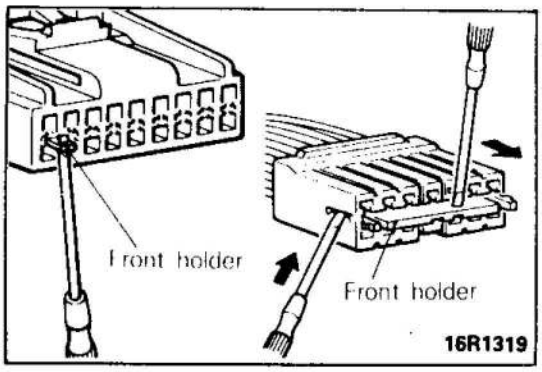
CHECKING CONNECTOR CONNECTIONS

When checking connectors, follow the procedures described below.
Using the special tool (the harness for checking the contact pressure of connector pins, provided in the harness set for checking), check the connection and fit of the male and female pins.
(Pin pull-out force: 100g or more)

Caution
There are two types of harnesses for checking the connection pressure, depending on the width of the connector pin; use the correct size for the connector to be checked.

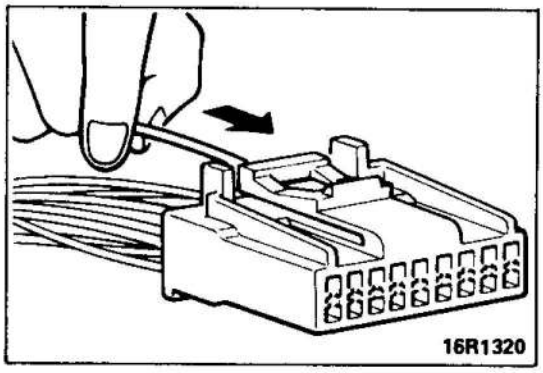
ENGAGING AND DISENGAGING OF CONNECTOR TERMINAL

Connector which gives loose engagement shall be rectified by removing female terminal from connector housing and raise its lance to establish securer engagement. Removal of connector housing and raise its lance to establish securer engagement. Removal of connector terminal used for ECI and ELC 4 A/T control circuit shall be done in the following manner.

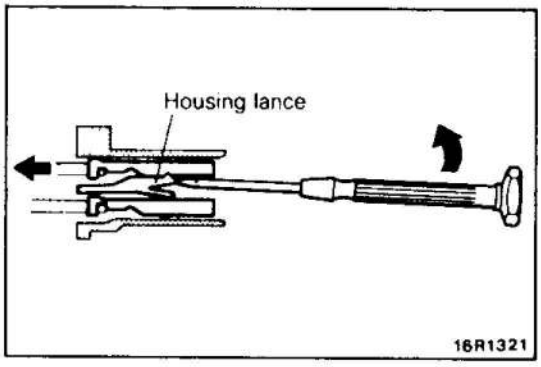


COMPUTER CONNECTOR

(1) Insert screwdriver [1.4 mm (.06 in.) width] as shown in the figure, disengage front holder and remove it.

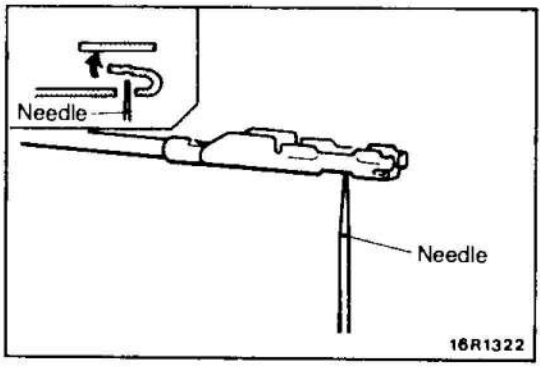


(2) Insert harness of terminal to be rectified deep into connector from harness side and hold it there.

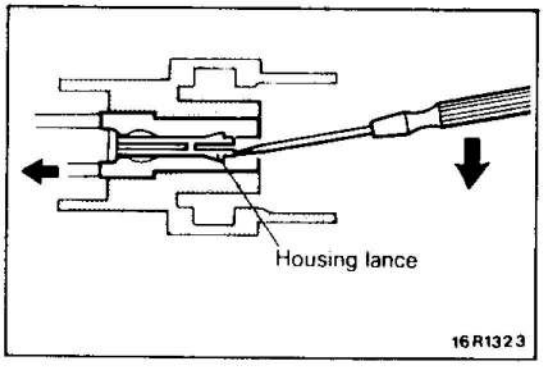


(3) Insert tip of screwdriver [1.4 mm (.06 in.) width] into connector in a manner as shown in the figure, raise housing lance slightly with it and pull out harness.

NOTE
Tool No. 753787-1 supplied by AMP can be used instead of screwdriver.

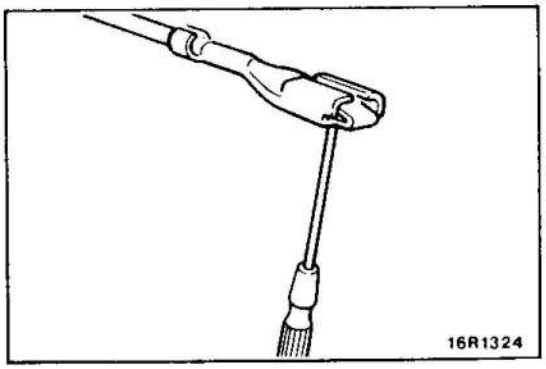


(4) Insert needle through a hole provided on terminal and raise contact point of male terminal.

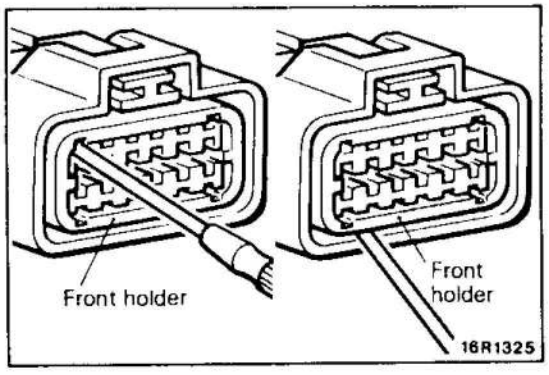


ROUND WATERPROOF CONNECTOR

(1) Remove waterproof cap by using a screwdriver.
(2) Insert tip of screwdriver [1.4 mm (.06 in.) or 2.0 mm (.08 in.) width] as shown in the figure, raise housing lance slightly with it and pull out harness.

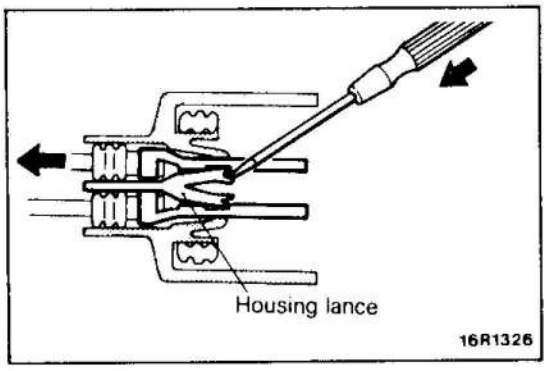


(3) Insert screwdriver through a hole provided on terminal and raise contact point of male terminal.

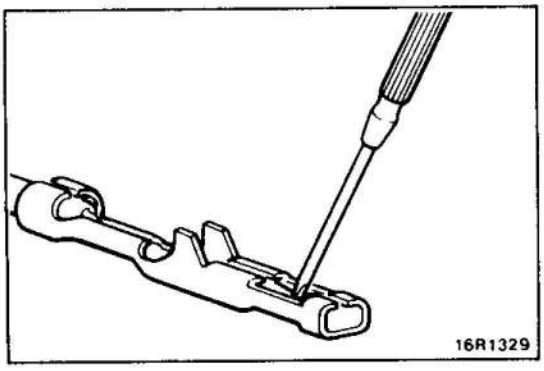


RECTANGULAR WATERPROOF CONNECTOR

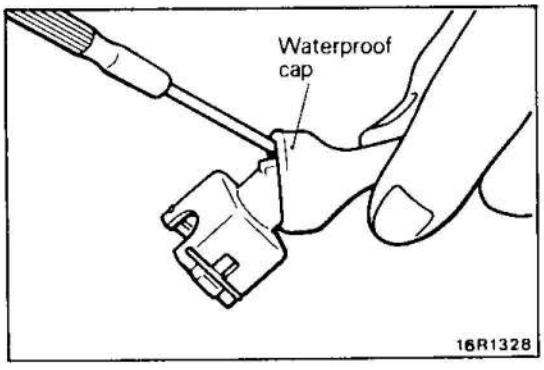
(1) Disengage front holder by using a screwdriver and remove it.



(2) Insert tip of screwdriver [*0.8 mm (.03 in.) width] into connector in a manner as shown in the figure, push it lightly to raise housing lance and pull out harness.
*If right size screwdriver is not available, convert a conventional driver to suit the size.

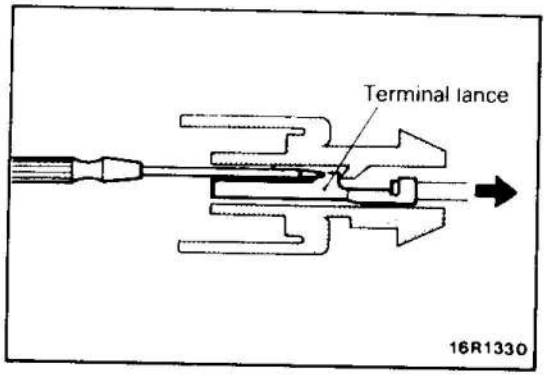


(3) Press contact point of male terminal down by holding a screwdriver [1.4 mm (.06 in.) width] in a manner as shown in the figure.

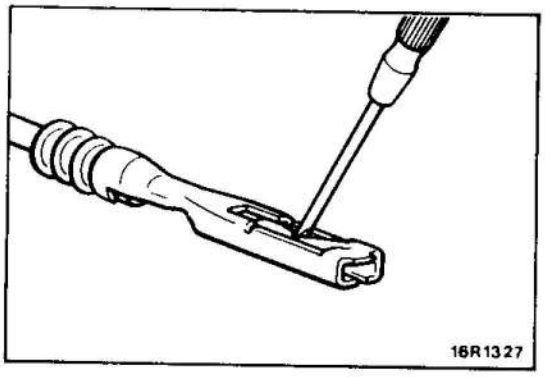


INJECTOR CONNECTOR

(1) Remove waterproof cap.



(2) Insert tip of screwdriver [1.4 mm (.06 in.) width] into connector in a manner as shown in the figure, press in terminal lance and pull out harness.



(3) Press contact point of male terminal down by holding a screwdriver [1.4 mm (.06 in.) width] in a manner as shown in the figure.

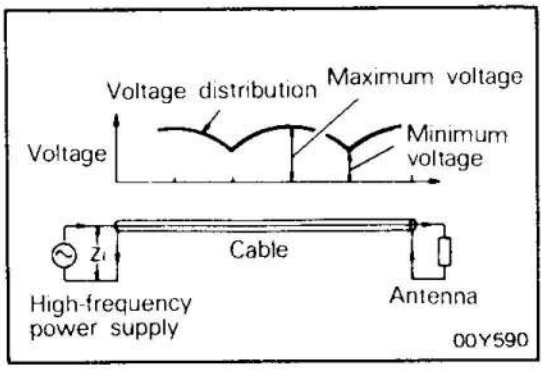
Caution
Correct lance to be in proper condition before terminal is inserted into connector.

NOTE ON INSTALLATION OF RADIO EQUIPMENT

The computer of the electronic control system has been designed so that external radio waves will not interfere with its operation. However, if antenna or cable of amateur transceiver etc. is routed near the computers, it may affect the operation of the computers, even if the output of the transceiver is no more than 25W.

To protect each of the computers from interference by transmitter (hum, transceiver, etc.), the following should be observed.

1. Install the antenna on the roof or rear bumper.
2. Because radio waves are emitted from the coaxial cable of the antenna, keep it 200 mm (7.9 in.) away from the computers and the wiring harness. If the cable must cross the wiring harness, route it so that it runs at right angles to the wiring harness.
3. The antenna and the cable should be well matched, and the standing-wave ratio* should be kept low.



***Standing-wave ratio**

If an antenna and a cable having different impedances are connected, the input impedance Zi will vary in accordance with the length of the cable and the frequency of the transmitter, and the voltage distribution will also vary in accordance with the location.

The ratio between this maximum voltage and minimum voltage is called the standing-wave ratio. It can also be represented by the ratio between the impedances of the antenna and the cable.

The amount of radio waves emitted from the cable increases as the standing-wave ratio increases, and this increases the possibility of the electronic components being adversely affected.

4. A transmitter having a large output should not be installed in the vehicle.
5. After installaiton of transmitter, perform the following test and make sure that there is no abnormality.
   (a) Run the engine at idle, emit radio waves from the transmitter and make sure that the engine is not affected.
   (b) Set the vehicle speed at about 50 km per hour (31 mph) by speed control system, emit radio waves from the transmitter and make sure that the vehicle speed does not change.

TROUBLESHOOTING

The most important point in troubleshooting is to determine "Probable Causes". Once the probable causes are determined, parts to be checked can be limited to those associated with such probable causes. Therefore, unnecessary checks can be eliminated. The determination of the probable causes must be based on a theory and be supported by facts and must not be based on intuition only.

TROUBLESHOOTING STEPS

If an attempt is made to solve a problem without going through correct steps for troubleshooting, the problem symptoms could become more complicated, resulting in failure to determine the causes correctly and making incorrect repairs. The four steps below should be followed in troubleshooting.

1 Observation of Problem Symptoms

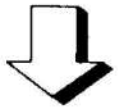
Observe the symptom carefully. Check if there are also other problems.

2 Determination of Probable Causes

In determining the probable causes, it is necessary to check the wiring diagram to understand the circuit as a system. Knowledge of switches, relays and other parts is necessary for accurate determination. The causes of similar problems in the past must be taken into account.

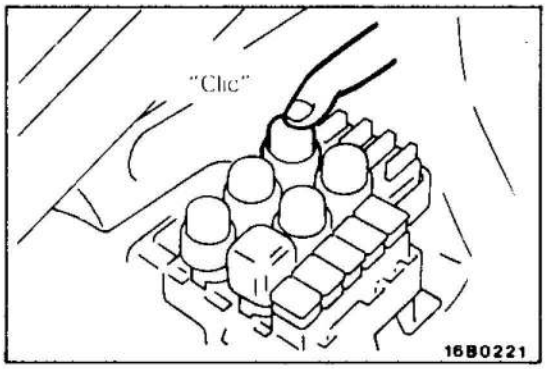
3 Checking of Parts Associated with Probable Causes and Determination of Faulty Parts

Troubleshooting is carried out by making step by step checks until the true cause is found. Always go through the procedures considering what check is to be made where for the best results.



4 Repair and Confirmation

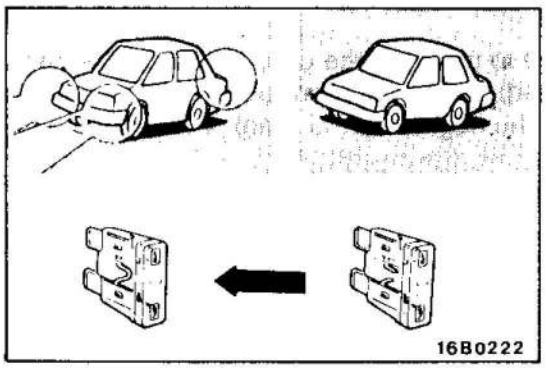
After the problems are corrected, be sure to check that the system operates correctly. Also check that new problems have not been caused by the repair.



INSPECTION

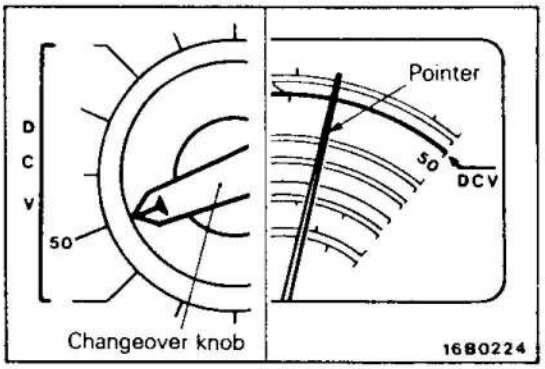
1. Visual and aural checks

Check relay operation, blower motor rotation, lamp illumination, etc. visually or aurally. The flow of current is invisible but can be checked by the operation of the parts.



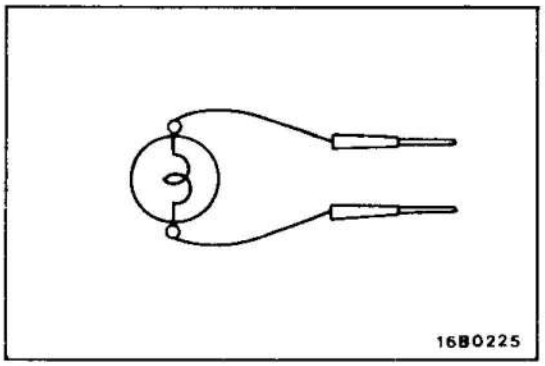
2. SIMPLE CHECKS

For example, if a headlamp does not come on and a faulty fuse or poor earthing is suspected, replace the fuse with a new one or earth the lamp to the body by a jumper wire to determine which part is responsible for the problem.



3. Checking with instruments

Use an appropriate instrument in an adequate range and read the indication correctly. You must have sufficient knowledge and experience to handle instruments correctly.

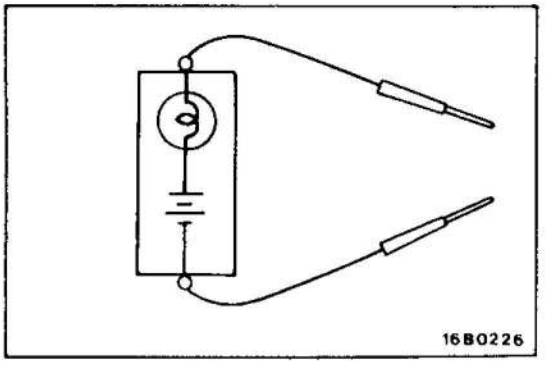


INSPECTION INSTRUMENTS

In inspection, make use of the following instruments.

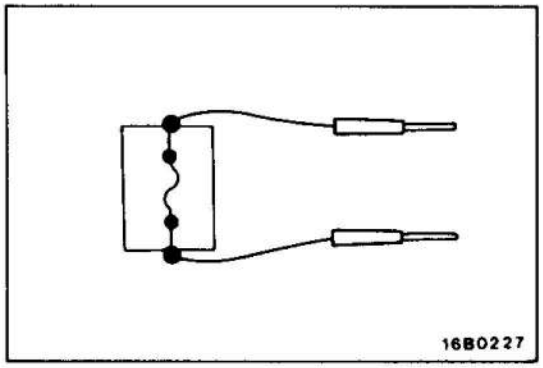
1. Test lamps

A test lamp consists of a 12V bulb and lead wires. It is used to check voltages or shortcircuits.



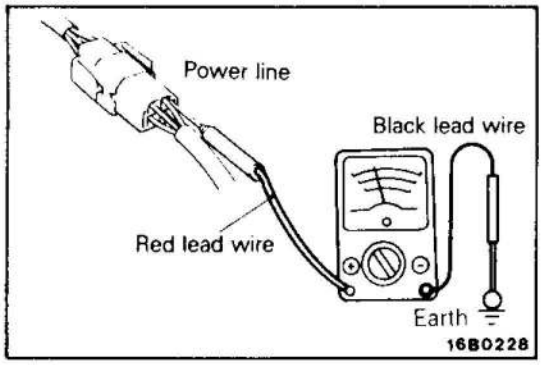
2. Self-power test lamp

A self-power test lamp consists of a bulb, battery and lead wires connected in series. It is used to check continuity or earthing.



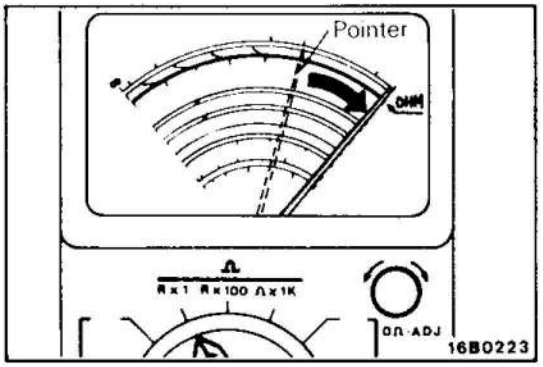
3. Jumper wire

A jumper wire is used to close an open circuit. Never use one to connect a power supply directly to a load.



4. Voltmeter

A voltmeter is used to measure the circuit voltage. Normally, the positive (red lead) probe is applied to the point of voltage measurement and the negative (black lead) probe to the body earth.



5. Ohmmeter

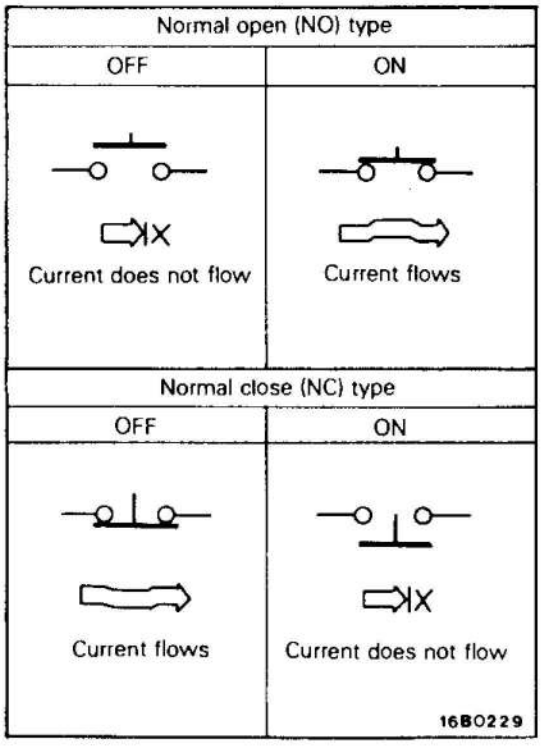
An ohmmeter is used to check continuity or measure resistance of a switch or coil. If the measuring range has been changed, the zero point must be adjusted before measurement.

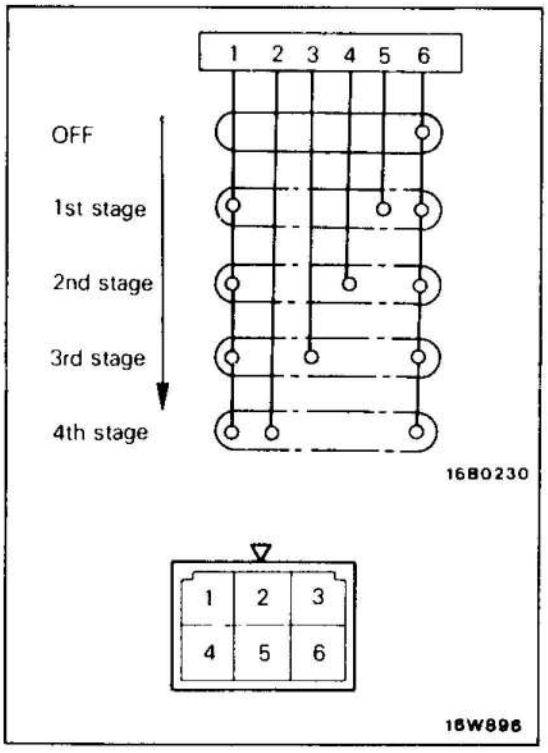
CHECKING SWITCHES

In a circuit diagram, a switch is represented by a symbol and in the idle state.

1. Normal open or normal close switch

Switches are classified into those which make the circuit open and those which make the circuit closed when off.



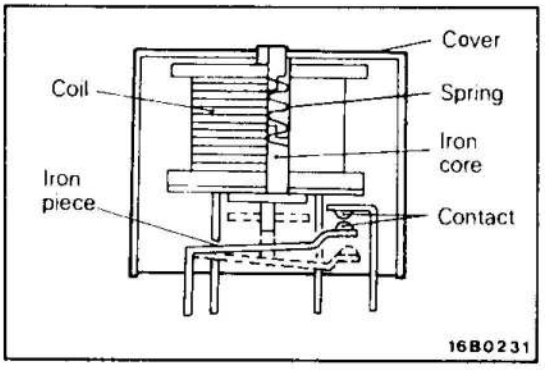


2. Switch connection

This figure illustrates a complex switch. The switch plates indicated by solid lines move in the direction of the arrow when operated. The continuity between terminals at each position is as indicated in the table below.

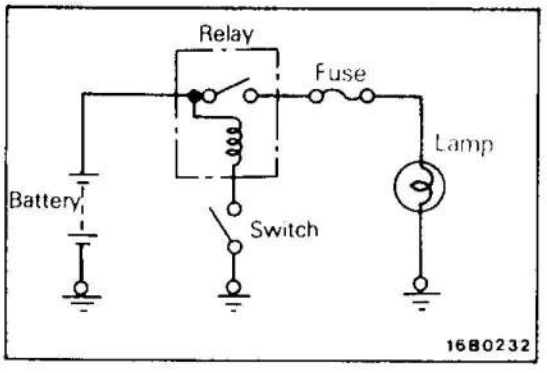
Position \ Terminal No.	1	2	3	4	5	6
OFF						
1st stage	○				○	○
2nd stage	○			○		○
3rd stage	○		○			○
4th stage	○	○				○

NOTE
○—○ denotes continuity between terminals.

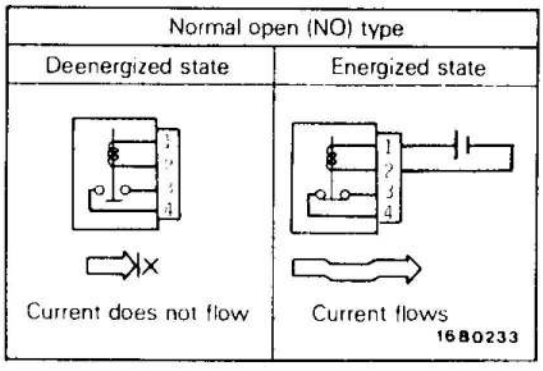


CHECKING RELAYS

1. When current flows through the coil of a relay, its core is magnetized to attract the iron piece, closing (ON) the contact at the tip of the iron piece. When the coil current is turned off, the iron piece is made to return to its original position by a spring, opening the contact (OFF).

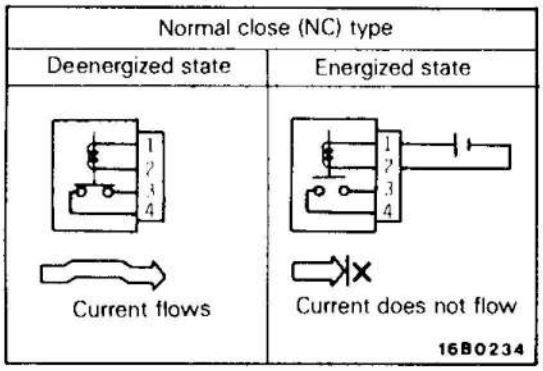


2. By using a relay, a heavy current can be turned on and off by a switch of small capacity. For example, in the circuit shown here, when the switch is turned on (closed), current flows to the coil of the relay. Then, its contact is turned on (closed) and the lamp comes on. The current flowing at this time to the switch is the relay coil current only and is very small.

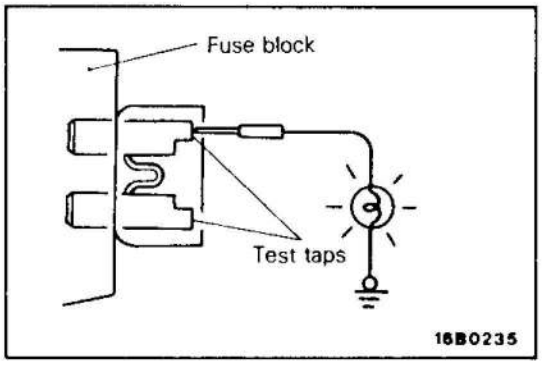


3. The relays may be classified into the normal open type and the normal close type by their contact construction.

NOTE
The deenergized state means that no current is flowing through the coil and the energized state means that current is flowing through the coil.

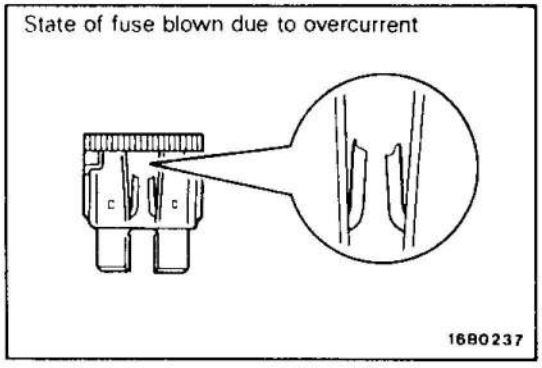


When a normal close type relay as illustrated here is checked, there should be continuity between terminals (1) and (2) and between terminals 3 and 4 when the relay is deenergized, and the continuity should be lost between terminals 3 and 4 when the battery voltage is applied to the terminals 1 and 2. A relay can be checked in this manner and it cannot be determine if a relay is okay or faulty by checking its state only when it is deenergized (or energized).



CHECKING FUSES

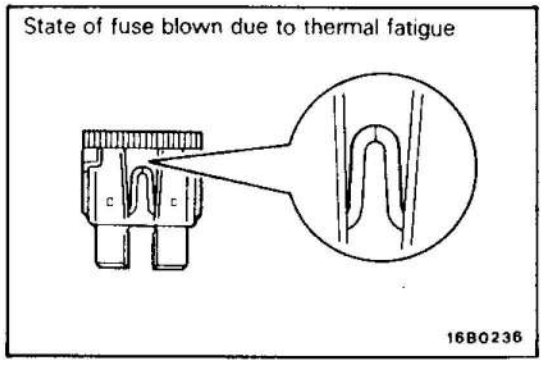
A blade type fuse has test taps provided to allow checking of the fuse itself without removing it from the fuse block. The fuse is okay if the test lamp comes on when its one lead is connected to the test taps (one at a time) and the other lead is earthed. (Change the ignition switch position adequately so that the fuse circuit becomes live.)



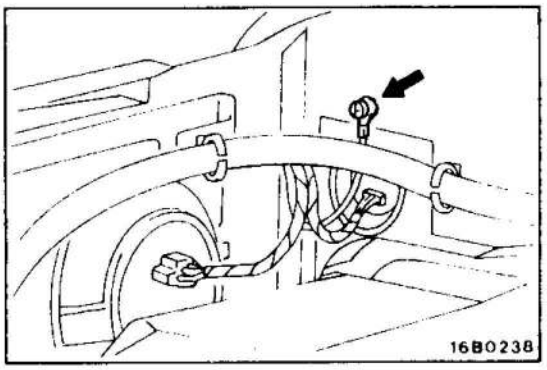
CAUTIONS IN EVENT OF BLOWN FUSE

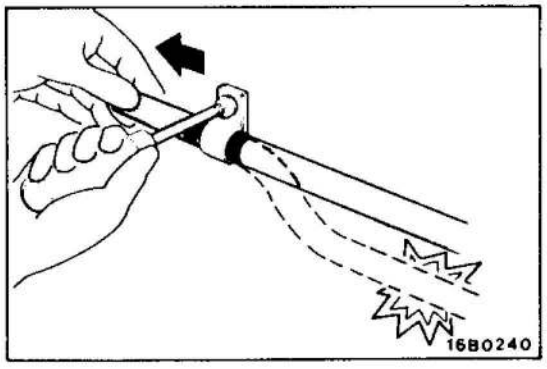
When a fuse is blown, there are two probable causes as follows : One is that it is blown due to flow of current exceeding its rating. The other is that it is blown due to repeated on/off current flowing through it. Which of the two causes is responsible can be easily determined by visual check as described below.

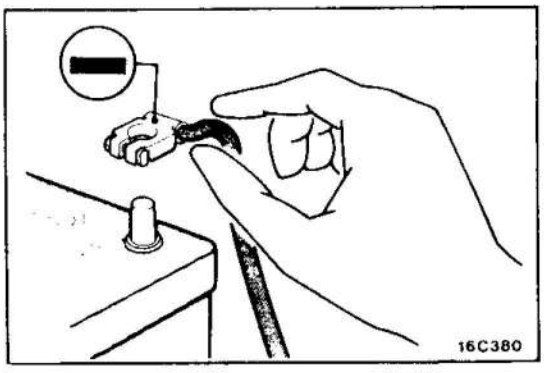
(1) Fuse blown due to current exceeding rating
The illustration shows the state of a fuse blown due to this cause. In this case, do not replace the fuse with a new one hastily since a current heavy enough to blow the fuse has flowed through it. First, check the circuit for shorting and check for abnormal electric parts. Only after the correction of such shorting or parts, fuse of the same capacity should be used as a replacement. Never use a fuse of lager capacity than the one that has blown. If such a fuse is used, electric parts or wirings could be damaged before the fuse blows in the event an overcurrent occurs again.

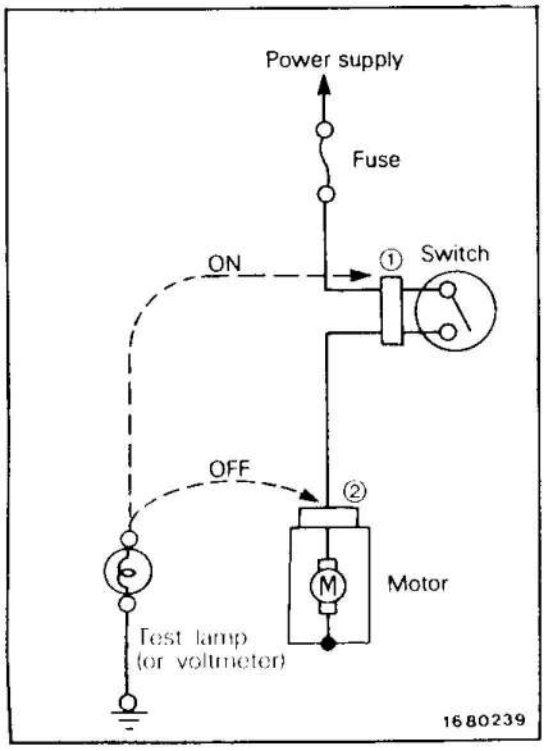


(2) Fuse blown due to repeated current on/off
The illustration shows the state of a fuse blown due to repeated current on/off. Normally, this type of problem occurs after fairly long period of use and hence is less frequent than the above type. In this case, you may simply replace with a new fuse of the same capacity.









CHECKING CABLES AND WIRES

1. Check connections for looseness, rust and stains.
2. Check terminals and wires for corrosion by battery electrolyte, etc.
3. Check terminals and wires for open circuit or impending open circuit.
4. Check wire insulation and coating for damage, cracks and degrading.
5. Check conductive parts of terminals for contact with other metallic parts (vehicle body and other parts).
6. Check earthing parts to verify that there is complete continuity between attaching bolt(s) and vehicle body.
7. Check for incorrect wiring.
8. Check that wirings are so clamped as to prevent contact with sharp corners of the vehicle body, etc. or hot parts (exhaust manifold, pipe, etc.).
9. Check that wirings are clamped firmly to secure enough clearance from the fan pulley, fan belt and other rotating or moving parts.
10. Check that the wirings between the fixed parts such as the vehicle body and the vibrating parts such as the engine are made with adequate allowance for vibrations.

HANDLING ON-VEHICLE BATTERY

When checking or servicing does not require power from the on-vehicle battery, be sure to disconnect the cable from the battery (−) terminal. This is to prevent problems that could be caused by shorting of the circuit. Disconnect the (−) terminal first and reconnect it last.

TROUBLESHOOTING

A circuit consists of the power supply, switch, relay, load, earth, etc. There are various methods to check a circuit including an overall check, voltage check, shortcircuit check and continuity check. Each of these methods is briefly described in the following.

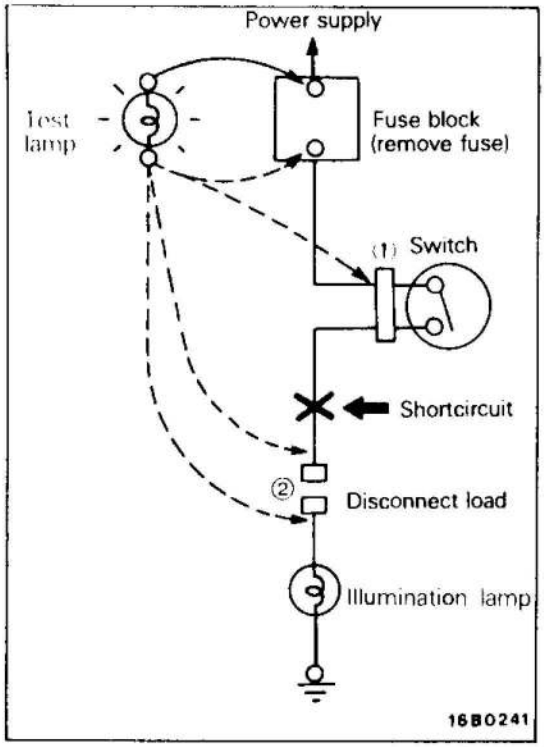
1. VOLTAGE CHECK

(1) Earth one lead wire of the test lamp. If a voltmeter is used instead of the test lamp, earth the earthing side lead wire.

(2) Connect the other lead wire of the test lamp to the power side terminal of the connector ①. The test lamp should come on or the voltmeter should indicate a voltage.

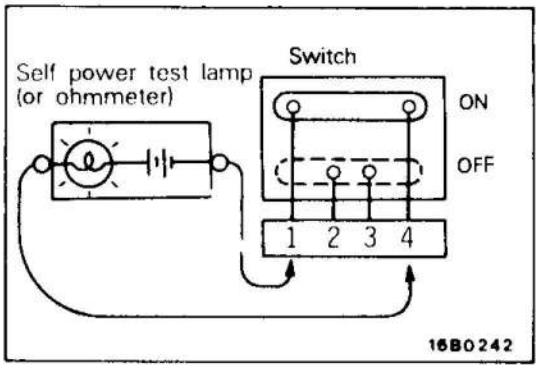
(3) Then, connect the test lamp or voltmeter to the connector ②. The test lamp should not come on or the voltmeter should indicate no voltage. When the switch is turned on in this state, the test lamp should come on, or the voltmeter should indicate a voltage, with the motor starting to run.

(4) The circuit illustrated here is normal but if there is any problem such as the motor failing to run, check voltages beginning at the connector nearest to the motor until the faulty part is identified.



2. CHECKING SHORTCIRCUITS

(1) Remove the blown fuse and connect the test lamp to the disconnected terminal. The test lamp should not come on.
(2) Connect a lead wire of the test lamp to the power side of the connector ①. The test lamp should not come on.
(3) Connect a lead wire of the test lamp to the load side of the connector ①. The test lamp should come on and the load lamp should also come on.
(4) Disconnect the load at the connector ② and connect the test lamp lead wire to the load side of the connector ②. The test lamp should come on and the load lamp should also come on.
(5) Connect the test lamp lead wire to the switch side of the connector ②. The test lamp should come on.
(6) If the test conforms to any of the above conditions, there is a shortcircuit in the wiring between the connector ① and the connector ②.



3. CHECKING CONTINUITY

(1) When the switch is in the OFF position, the self power test lamp should come on or the ohmmeter should read 0 ohm only when the terminals 2 and 3 are interconnected.
(2) When the switch is the ON position, the self power test lamp should come on or the ohmmeter should read 0 ohm only when the terminals 1 and 4 are interconnected.

1 HOW TO READ THE WIRING DIAGRAMS

HOW TO READ CONFIGURATION DIAGRAMS

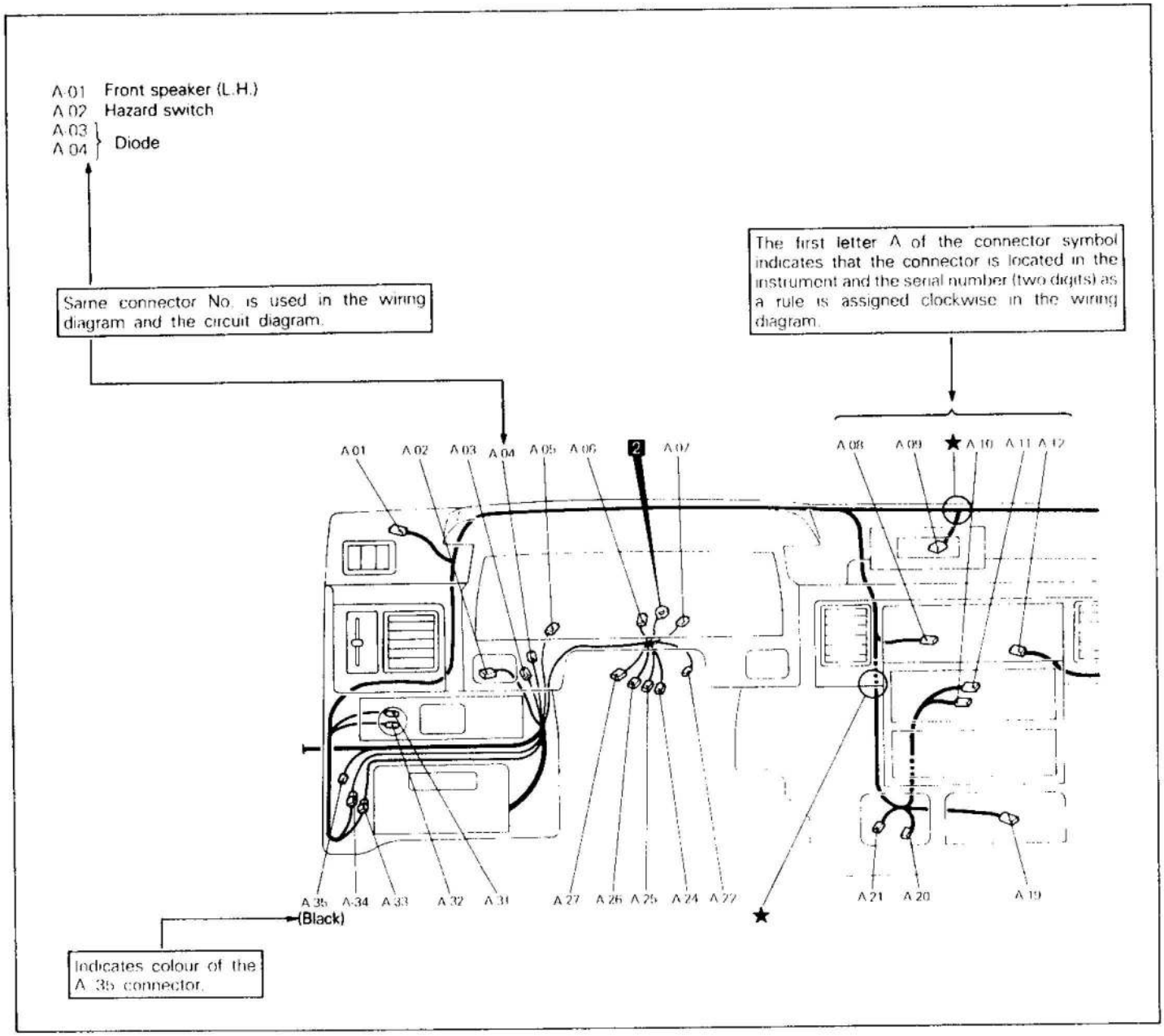
(1) Connector symbols

A wiring diagram shows the installed condition of each connector in a schematic style. The connectors are shown and classified as follows, depending on their locations and are marked by connector symbols.

In case connectors of the same shape (same number of wires) are centralized, their colours are indicated for identification.

Example : A–12 (Black)

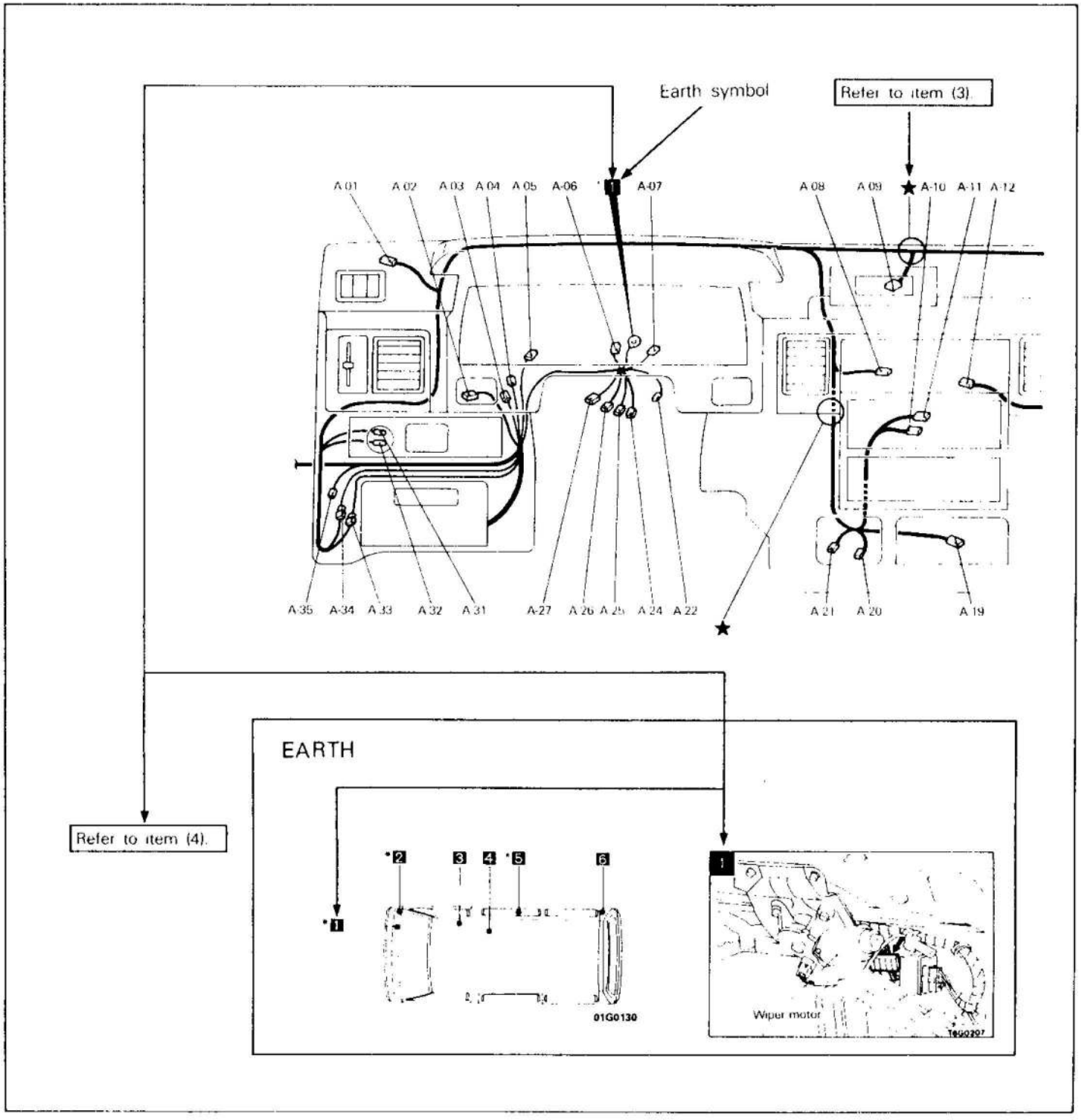
- Connector colour
- Connector's unique number (serial number)
- Connector symbol
  - A : Instrument
  - B : Engine room and Under floor
  - C : Roof · Tailgate and Rear side



(2) Identification of connectors differing according to different vehicle specifications
Without wiring harness connectors, the inter-device or -wiring harness connectors which vary in shape or position on different vehicle specifications are given the specification-dependent connector identification symbol (lower case alphabet) after a serial number.
For detailed information on this specification-dependent symbol, refer to Item (8) under "HOW TO READ CIRCUIT DIAGRAMS".

(3) Indication of standard mounting positions of harnesses
The standard mounting positions of harnesses are shown with the mark ★ in wiring harness configuration diagrams.

(4) Indication of earth point
The position of earth points are shown in wiring harness configuration diagrams. For detailed information on the earth portion, refer to ELECTRICAL SYSTEM PARTS LOCATION (Earth).



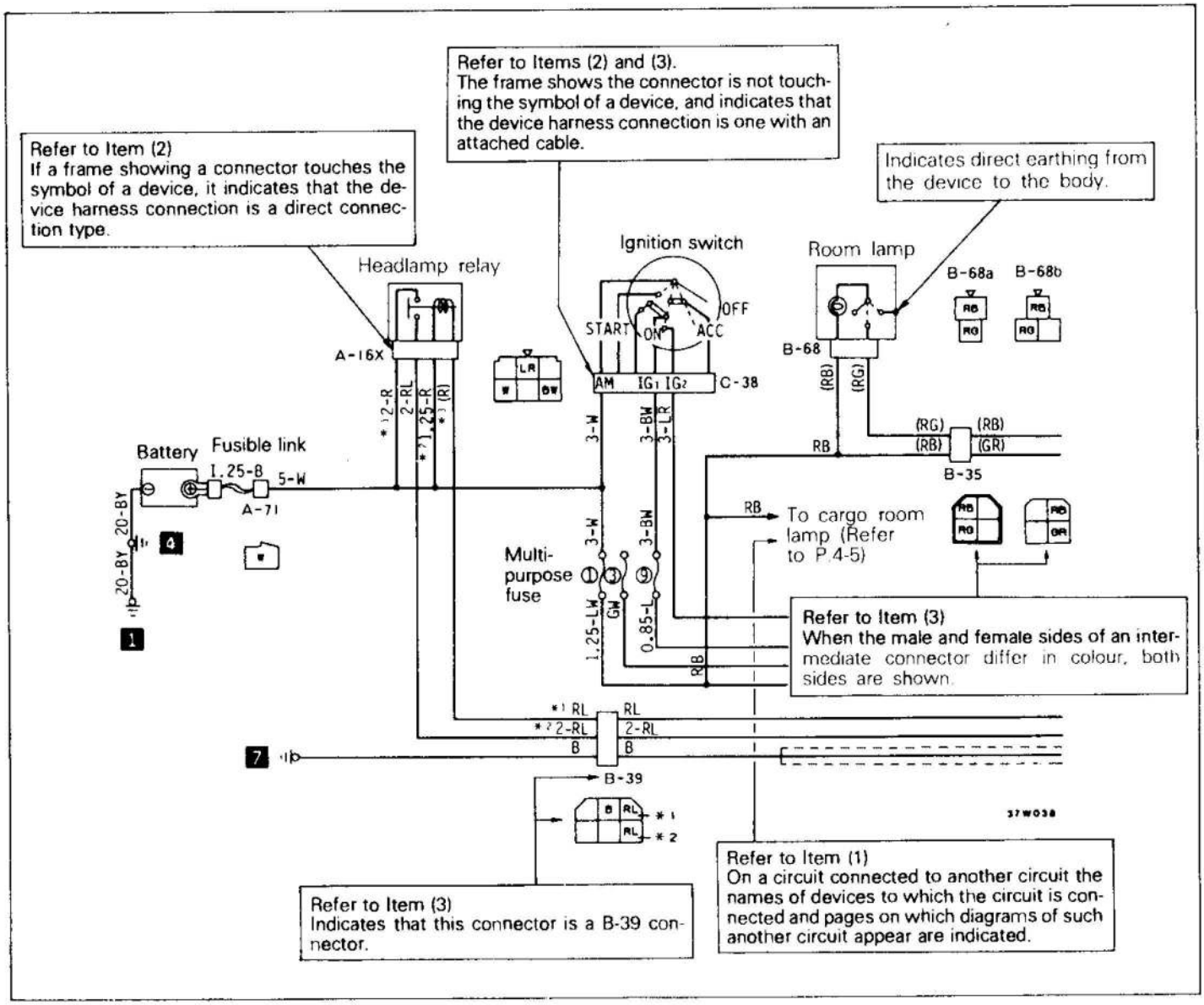
HOW TO READ CIRCUIT DIAGRAMS

The circuit diagrams are functionally separated.

(1) Indication of circuit connected to another circuit
When the circuit in a circuit diagram connected to another circuit in a different diagram, the page number of that different diagram is indicated so that it can be referred to.

(2) Indication of device connections
The circuit diagram shows whether a device harness connection is one with an attached cable or is a direct connection type.

(3) Indication of connectors in circuit diagrams
A connector in a circuit diagram is shown in a frame and is assigned a connector symbol. This symbol corresponds to the symbol in a wiring harness configuration diagram so that the connector location can be known easily. An intermediate connector has its female side only shown as a rule. However both of the male and female sides are shown when they differ in wiring colour.



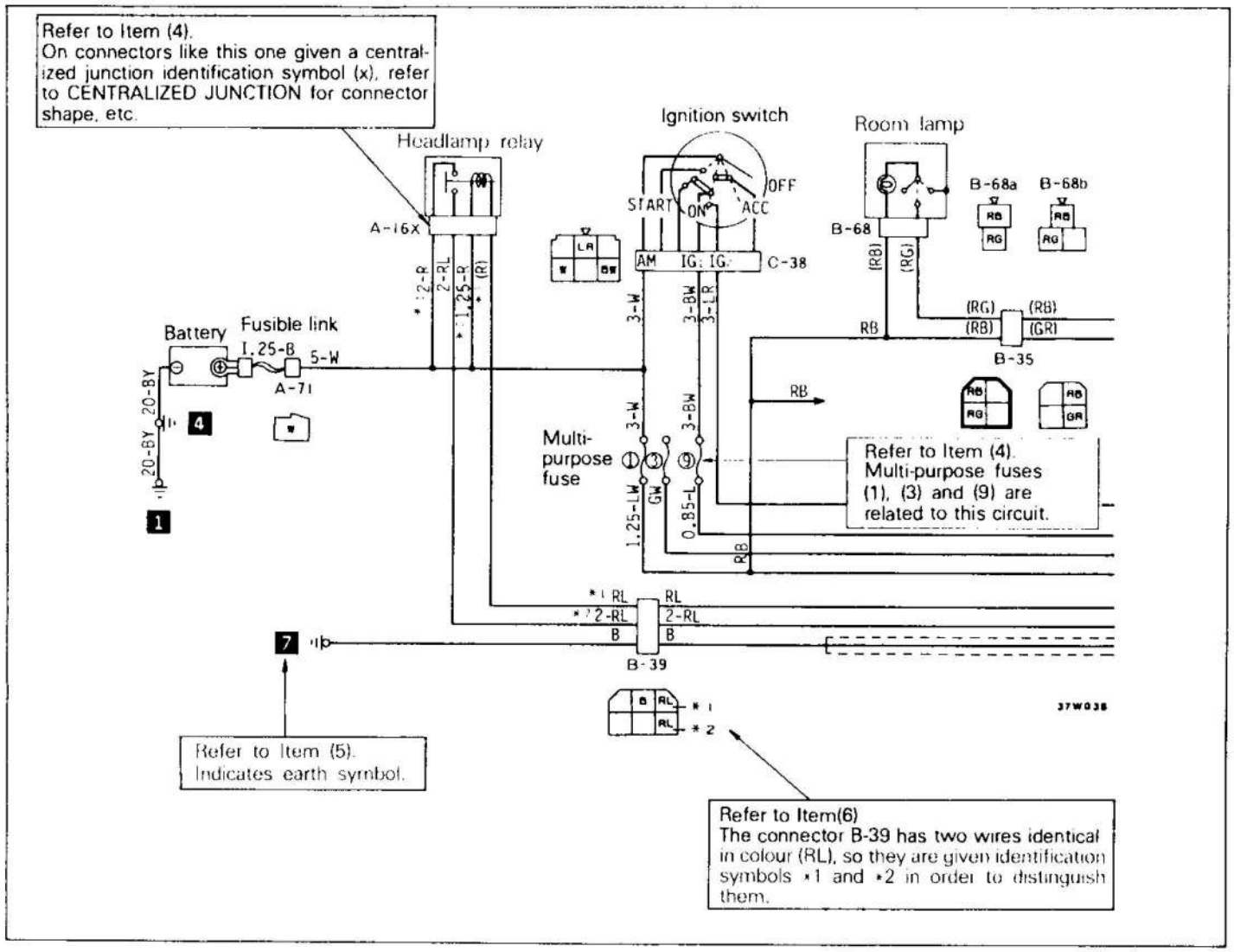
(4) Indication of fuses, fusible links and centralized relays
The fuses and fusible links in a circuit diagram are indicated by a wave symbol (~) and a double wave symbol (≈), respectively. At a centralized junction, the fuses are given fuse numbers and centralized relays are given connector symbols.

Example of centralized junction symbol: A – 01 x

- Centralized junction indication symbol
- Connector's unique number (serial number)
- Connector symbol

(5) Indication of earth point
The earth point in a circuit diagram is marked by a earth symbol, making it possible for you to refer to a wiring harness configuration diagram and to ELECTRICAL SYSTEM PARTS LOCATION (Earthing).

(6) Indication of wires
In a circuit diagram, the wire diameter and wire color are shown for each wire. If there are several wires of the same color in a connector, their wire color indication symbols should be such symbols as *1 and *2 for identification.



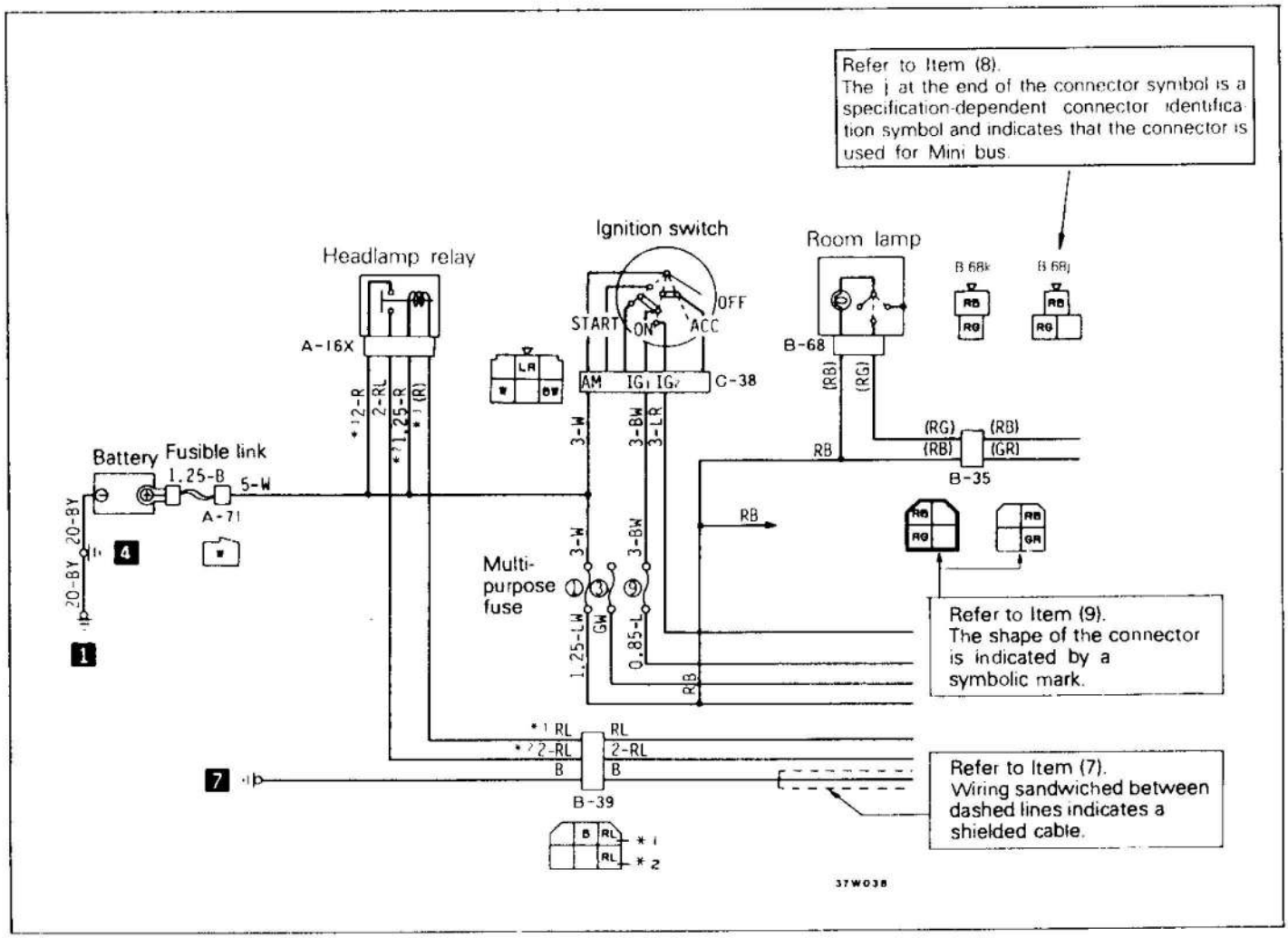
(7) Indication of shielded cables
A shielded cable used , for example, in an electronic control circuit for prevention of malfunctions that may otherwise be caused by radio interference is indicated by a solid line sandwiched between dashed lines (═══).

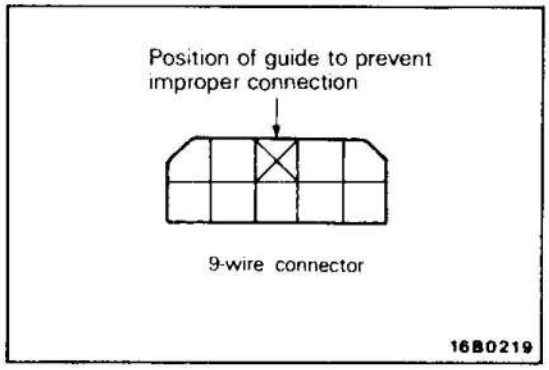
(8) Indication of specification-dependent connectors
With regard to harness connectors, the inter-device and -harness connectors which vary in shape or position on different vehicle specifications, such as those with rear wipers and turbocharger and those without turbocharger, are given a specification-dependent connector identification symbol (lower case alphabet) following the connector symbol.

Example: A – 01a
└── Specification – dependent connector identification symbol

a L.H. drive vehicles
b R.H. drive vehicles
c Vehicles for Europe
d Vehicles for General Export
e Vehicles for Australia
f Vehicles with an automatic speed control system
g Vehicles without an automatic speed control system
h Vehicles with an automatic transmission
i Vehicles with a manual transmission
j Mini bus
k Panel van
l Vehicles with rear heater or rear wiper or defogger
m Vehicles without rear heater nor rear wiper nor defogger
R.H. drive vehicles with gasoline engine
o L.H. drive vehicles with gasoline engine
p Diesel-powered vehicles

(9) Shapes of connectors
The connector shapes are indicated by simplified symbolic marks. For distinction between male and female connectors, refer to HOW TO IDENTIFY CONNECTORS.

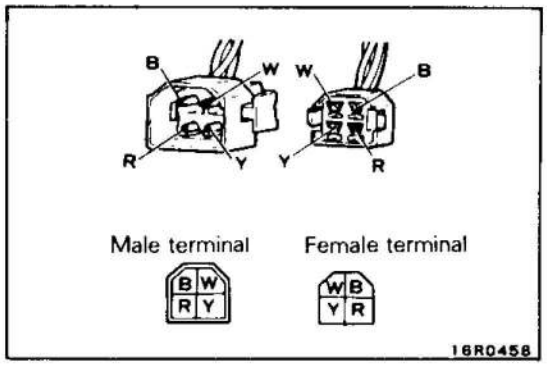




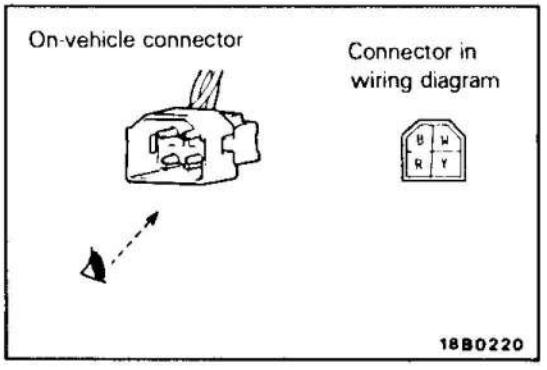
IDENTIFYING CONNECTORS

In circuit diagrams, the connectors are indicated by symbolic marks which show the number of their wires and whether they are male or female connectors.

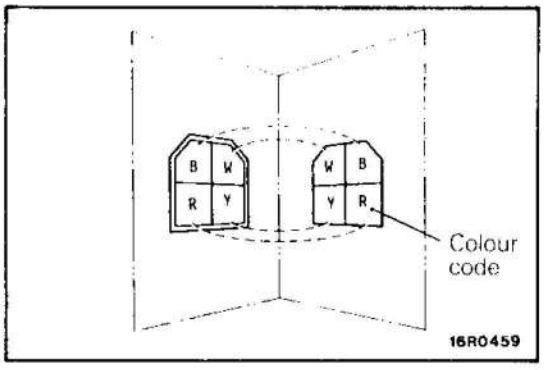
(1) Number of connector wires
The number of divisions in the connector diagram indicates the number of wires. A cross in a division, however, indicates the position of a guide to prevent improper connection. The connector shown here, therefore, is a 9-wire connector.



(2) Identification of male and female connectors
Connectors drawn with double outer lines are male, and those with single outer lines are female.

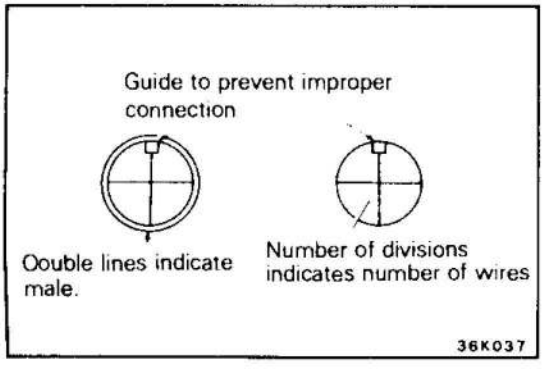


(3) Connector direction
The connector marks show on-vehicle connectors as viewed from the direction shown here.



(4) Identification of connector terminals
The colour codes of a pair of connectors (male and female), if viewed at their joining surfaces, will appear symmetrical as illustrated here. When the connectors are connected, their joining surfaces are put together in the way a book is closed, so the terminals of identical codes are connected together.

NOTE
The colour codes of male and female connectors are not always identical.



(5) Identification of sealed connectors
Identification of round, sealed connectors (water-proof pin terminal connectors) used in radiator fan motor circuits, turbo circuits, etc. is accomplished by the same method as described above.

SYMBOLIC MARKS

Various equipment is indicated symbolically in circuit diagrams as shown below.

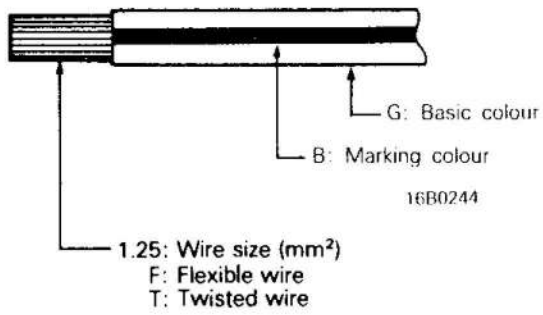
Battery	Body earth	Single bulb	Resistor	Diode	Capacitor
Fuse	Equipment ground	Dual bulb	Variable resistor	Zener diode	Crossing of wires without connection
Fusible link	Motor	Speaker	Coil	Transistor	Crossing of lines with connection

16B0243

WIRE COLOUR CODES

Wire colours are identified by the following colour codes.

Example: 1.25F · GB



(1) No code indicates 0.5 mm² (.0008 in.²).
(2) Cable colour code in parentheses indicates 0.3 mm² (.0005 in.²).

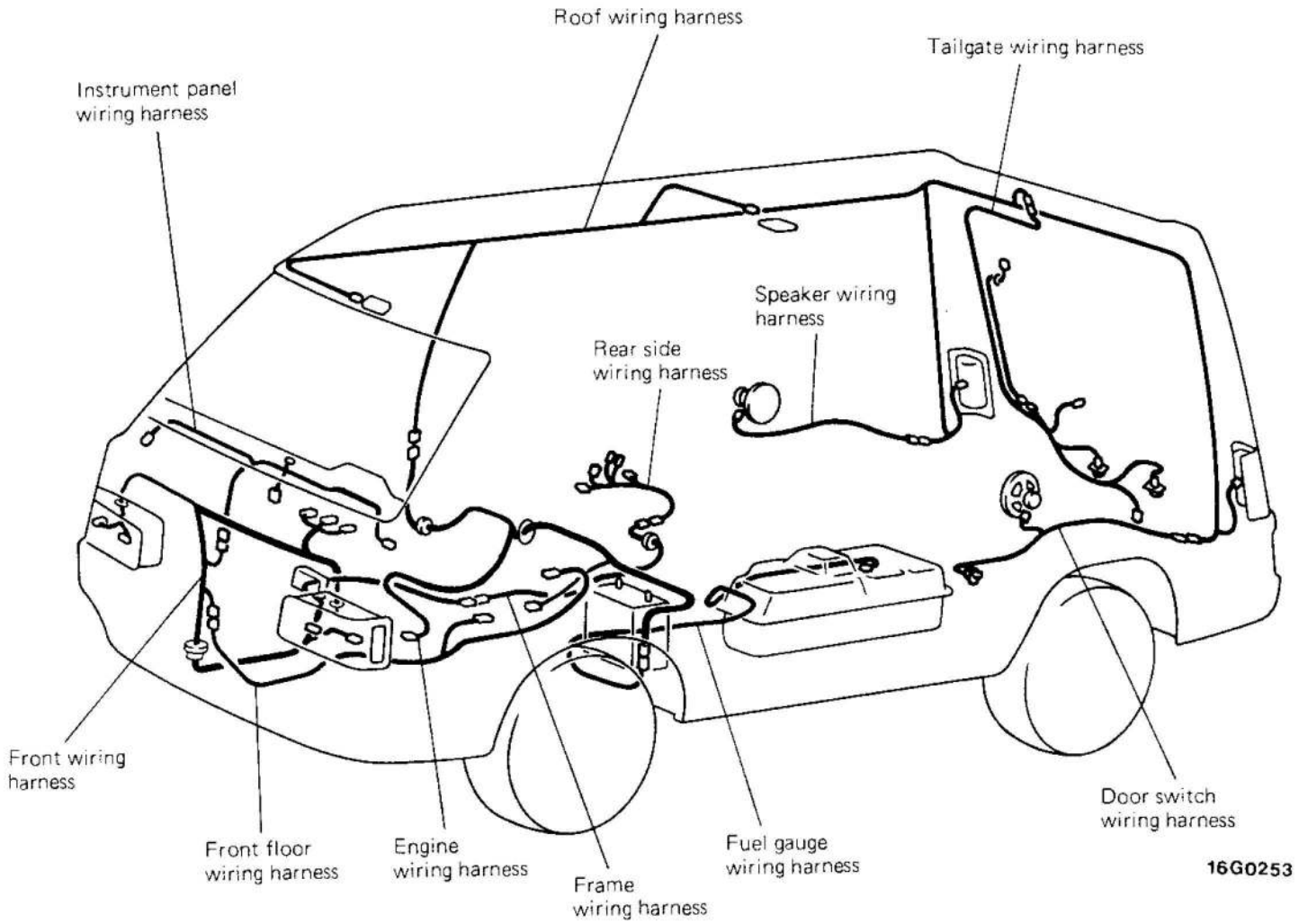
Code	Wire colour	Code	Wire colour
B	Black	Ll	Light blue
Br	Brown	O	Orange
G	Green	P	Pink
Gr	Gray	R	Red
L	Blue	Y	Yellow
Lg	Light green	W	White
Sb	Silver		

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

2 WIRING HARNESS CONFIGURATION DIAGRAMS

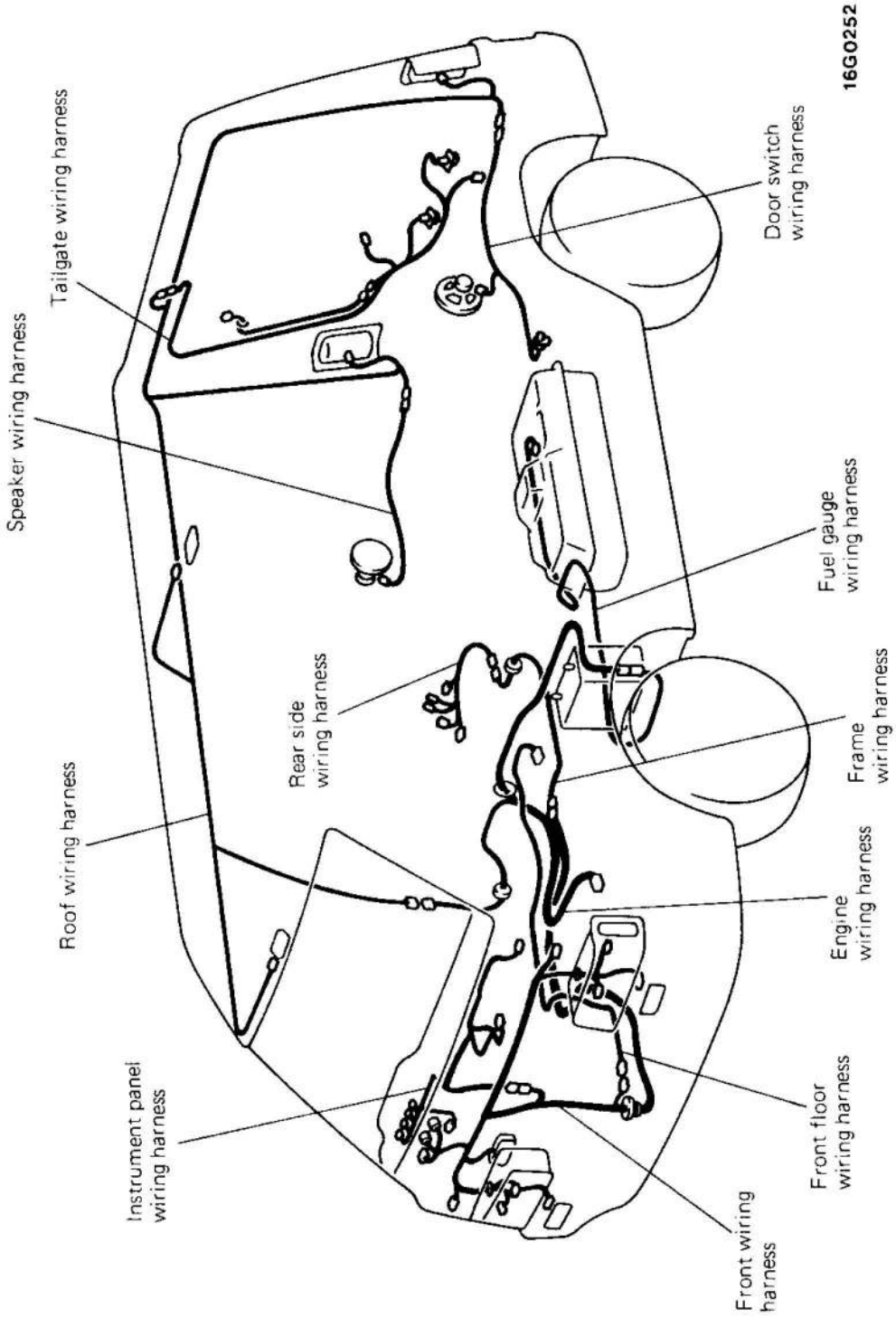
1 OVERALL WIRING DIAGRAM

L.H. drive vehicles



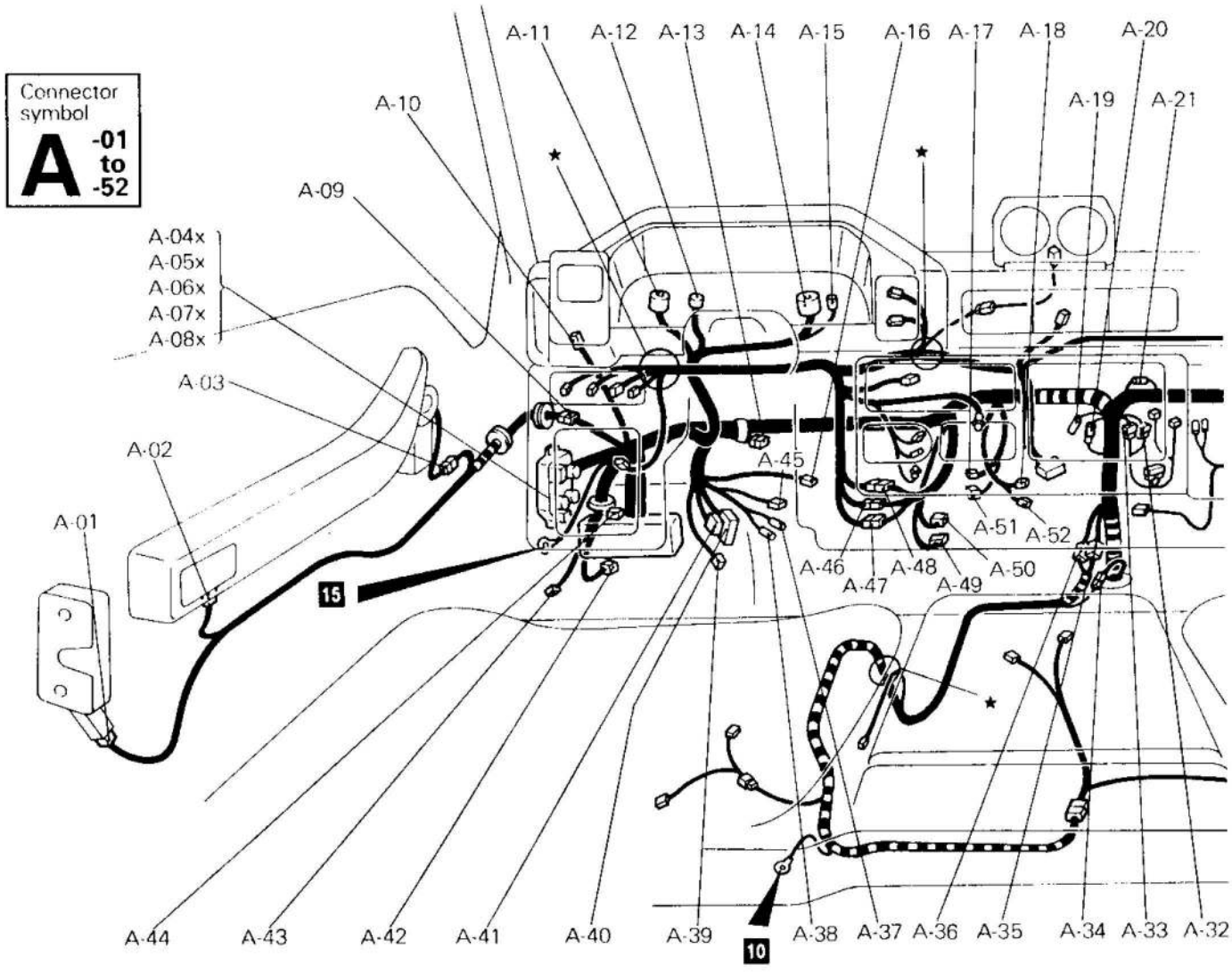
NOTE
This figure shows only the major wiring harness.

R.H. drive vehicles

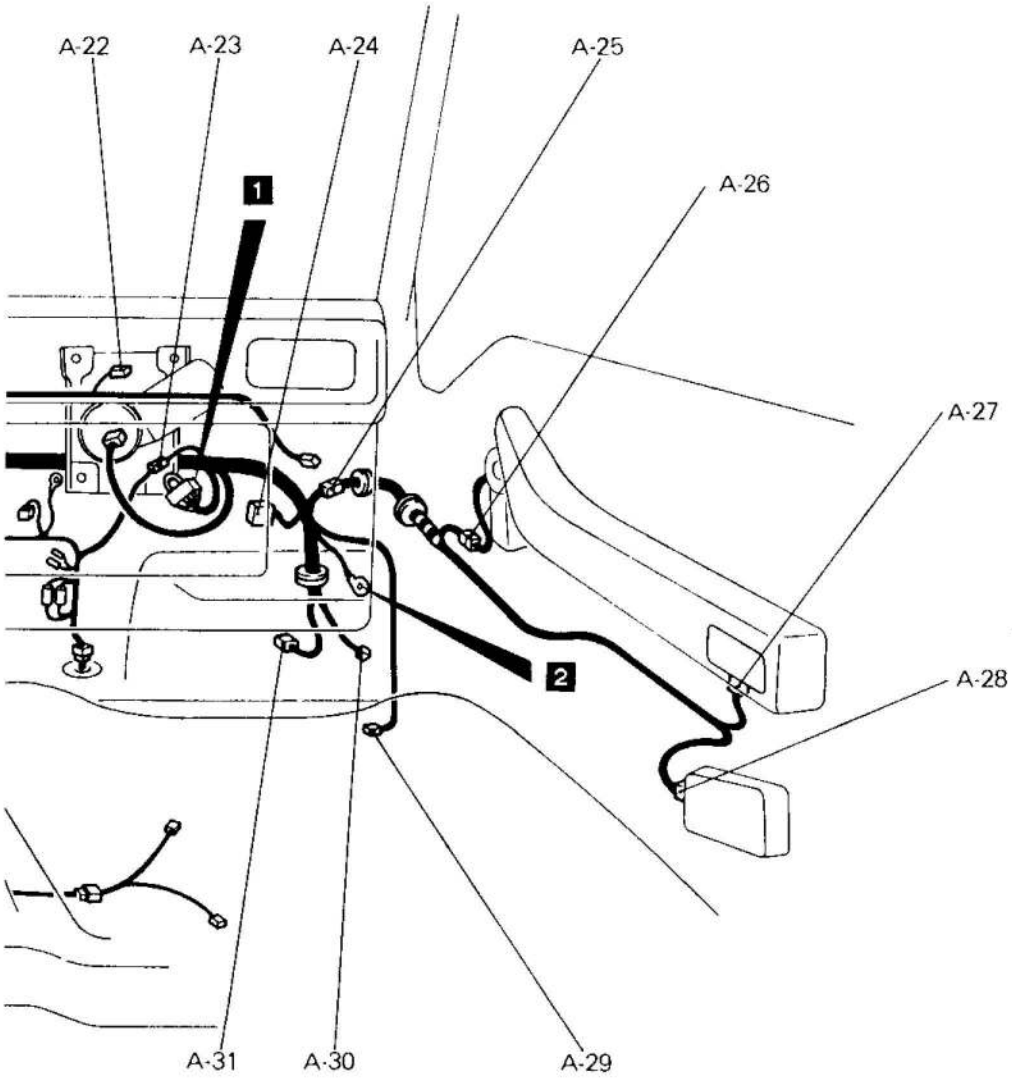


NOTE
This figure shows only the major wiring harness.

2-1 INSTRUMENT (L.H. drive vehicles for Europe)



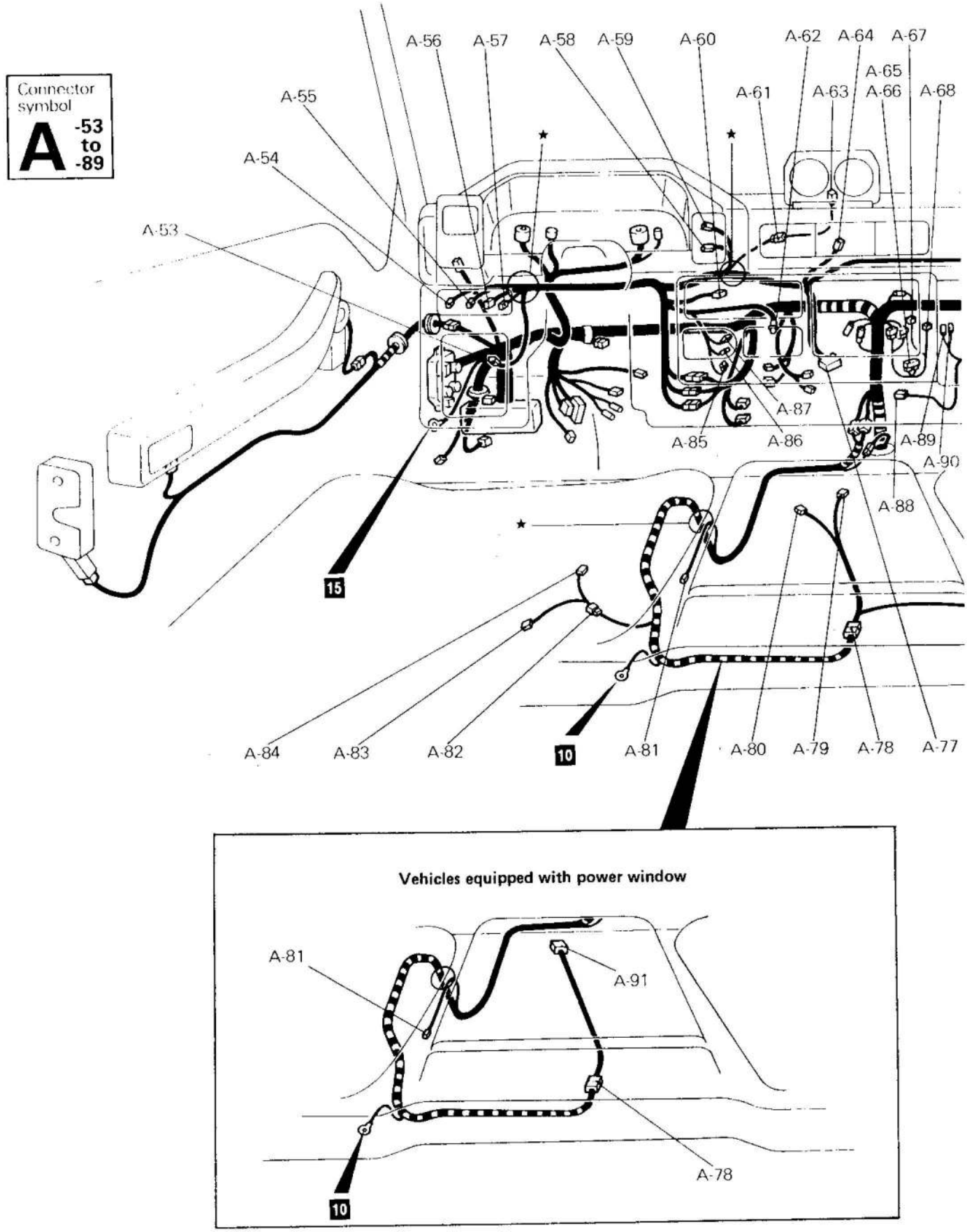
A-01 Front door lock actuator (L.H.)
A-02 Front door lamp (L.H.)
A-03 Power window motor (L.H.)
A-04x Rear fog lamp relay
A-05x Rear heater relay
A-06x Headlamp relay
A-07x Defogger relay
A-08x Turn signal/hazard flasher unit
A-09 Front wiring harness and door wiring harness (L.H.) combination
A-10 Brake fluid level switch
A-11, A-12 Combination meter
A-13 Condenser
A-14, A-15 Combination meter
A-16 Vacuum switch (Diesel-powered vehicles)
A-17 Power window relay
A-18 Front heater blower resistor
A-19 No connection
A-20 Jumper connector
A-21 Dedicated fuse (Illumination lamp)
A-22 Front wiper motor
A-23 Front wiring harness and air conditioner wiring harness combination
A-24 M.P.I. control relay
A-25 Front wiring harness and door wiring harness (R.H.) combination
A-26 Power window motor (R.H.)
A-27 Front door lamp (R.H.)
A-28 Front door lock actuator (R.H.)
A-29 Front washer motor
A-30 Front combination lamp (R.H.)
A-31 Headlamp (R.H.)
A-32, A-33 Front wiring harness and daytime running lamp wiring harness combination
A-34, A-35, A-36 Front wiring harness and front floor wiring harness combination
A-37, A-38 Stop lamp switch



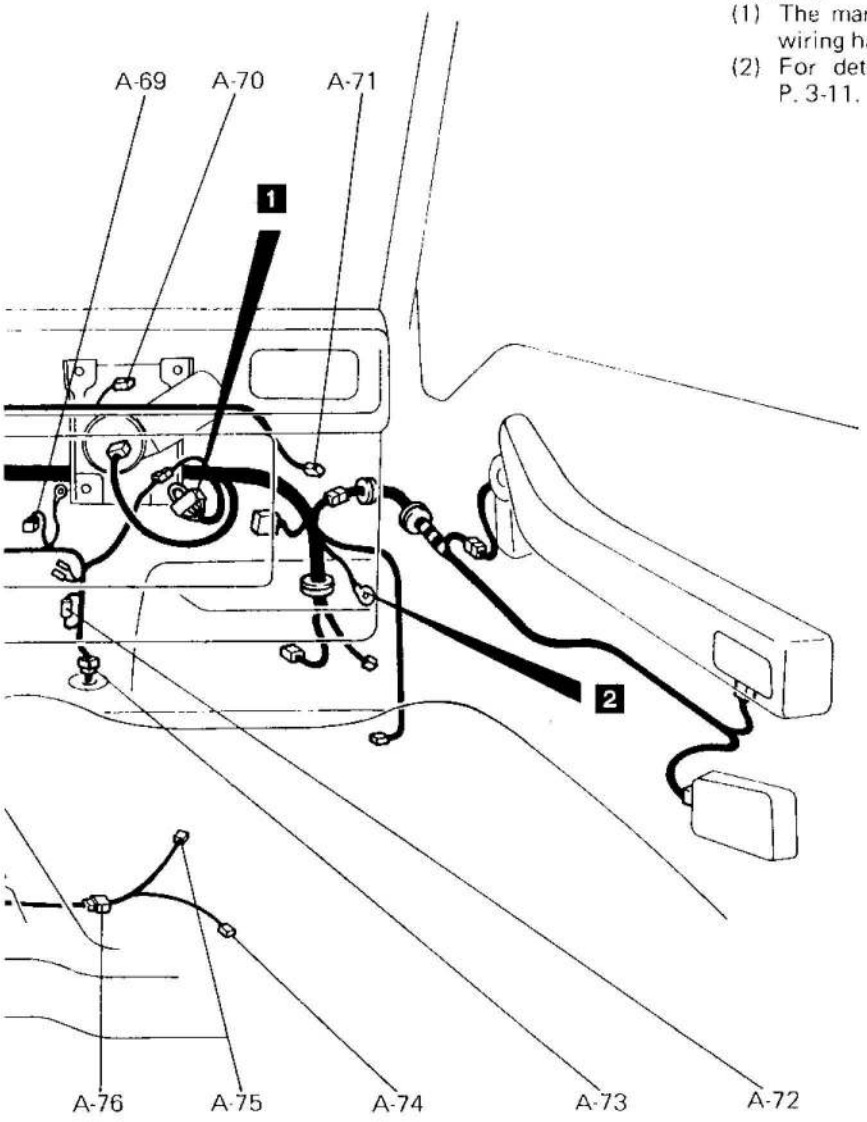
A-39	Clutch switch (Vehicles equipped with automatic speed control)
A-40	Column switch
A-41	Ignition switch
A-42	Headlamp (L.H.)
A-43	Front combination lamp (L.H.)
A-44	Self-diagnosis check connector
A-45	Stop lamp switch (Vehicles equipped with automatic speed control)
A-46 A-47 A-48	Front wiring harness and instrument panel wiring harness combination
A-49	Headlamp washer relay
A-50	Automatic speed control unit
A-51	Alternator relay
A-52	Front heater blower motor

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.

2-1 INSTRUMENT (L.H. drive vehicles for Europe)



Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.



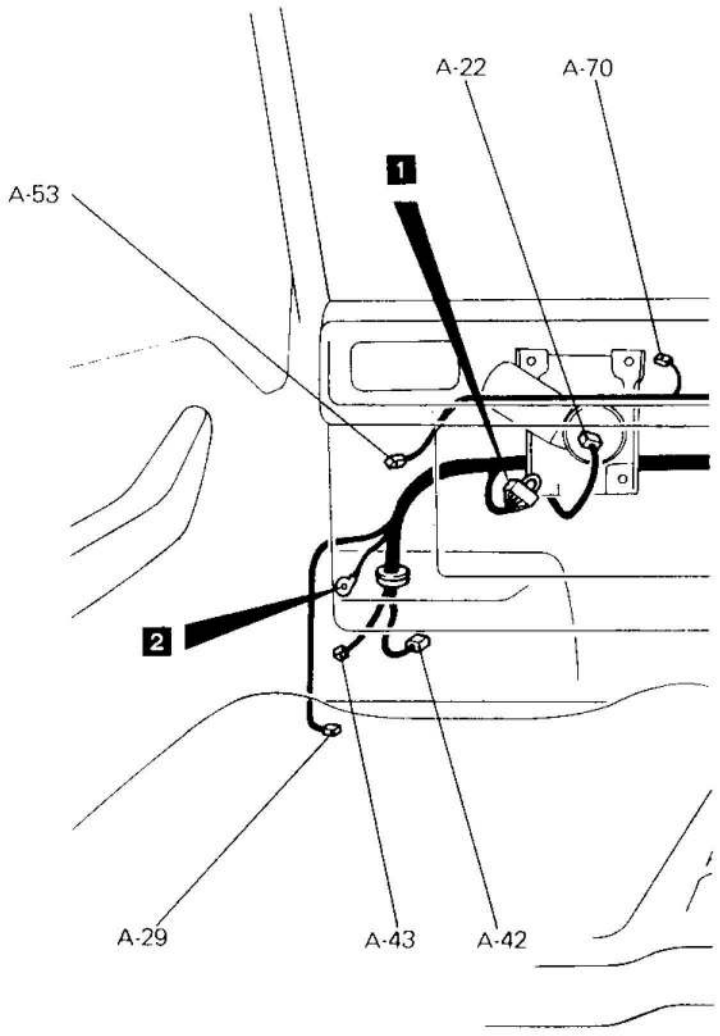
36G0016

A-53	Front speaker (L.H.)
A-54	Tailgate lock/unlock switch
A-55	Defogger switch
A-56	Rear heater switch
A-57	Rear fog lamp switch
A-58	Rear wiper switch
A-59	Hazard switch
A-60	Front heater blower switch
A-61	Instrument panel wiring harness and inclinometer wiring harness combination
A-62	Ashtray illumination lamp
A-63	Inclinometer
A-64	Clock
A-65, A-66	Diode
A-67	Headlamp relay (Daytime running lamp)
A-68	Tail lamp relay (Daytime running lamp)
A-69	Power relay A (Air conditioner)
A-70	Rear intermittent wiper relay
A-71	Front speaker (R.H.)
A-72	Dedicated fuse (Air conditioner)
A-73	Joint (Air conditioner wiring harness)
A-74	Seat back (R.H.) [Heated seat]
A-75	Seat cushion (R.H.) [Heated seat]
A-76	Heated seat wiring harness and front floor wiring harness combination
A-77	Radio
A-78	Front floor wiring harness and console wiring harness combination
A-79	Heated seat switch (R.H.)
A-80	Heated seat switch (L.H.)
A-81	Parking brake switch
A-82	Heated seat wiring harness and front floor wiring harness combination
A-83	Seat back (L.H.) [Heated seat]
A-84	Seat cushion (L.H.) [Heated seat]
A-85	Cigarette lighter illumination lamp
A-86, A-87	Cigarette lighter
A-88	Air conditioner switch
A-89, A-90	Fin thermostat
A-91	Power window switch

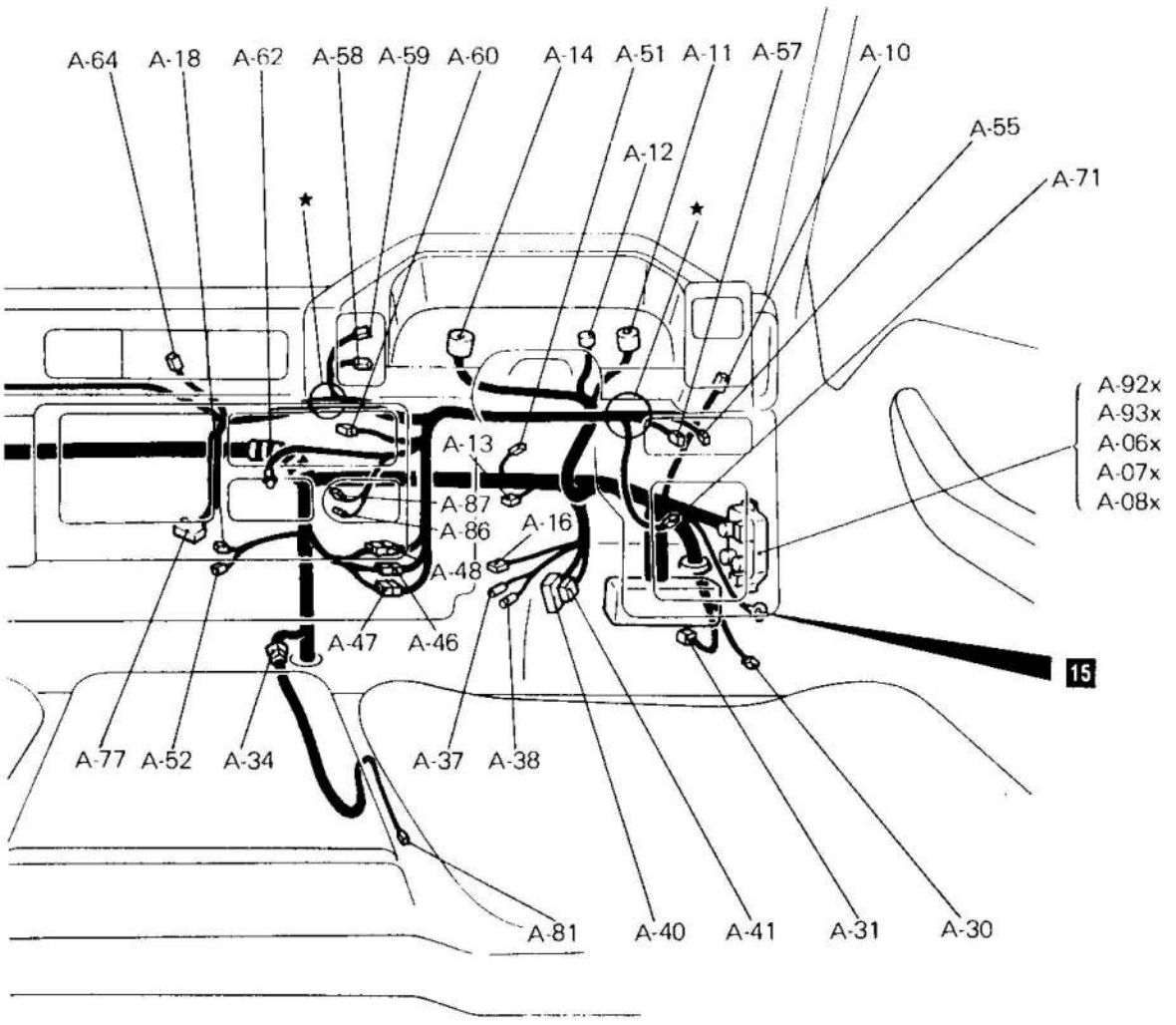
2-2 INSTRUMENT (R.H. drive vehicles for Europe)

Connector symbol **A**

A-01	–
A-02	–
A-03	–
A-04x	–
A-05x	–
A-06x	Headlamp relay
A-07x	Defogger relay
A-08x	Turn signal/hazard flasher unit
A-09	–
A-10	Brake fluid level switch
A-11, A-12	Combination meter
A-13	Condenser
A-14	Combination meter
A-15	–
A-16	Vacuum switch (Diesel-powered vehicles)
A-17	–
A-18	Front heater blower resistor
A-19	–
A-20	–
A-21	–
A-22	Front wiper motor
A-23	–
A-24	–
A-25	–
A-26	–
A-27	–
A-28	–
A-29	Front washer motor
A-30	Front combination lamp (R.H.)
A-31	Headlamp (R.H.)
A-32	–
A-33	–
A-34	Front wiring harness and front floor wiring harness combination
A-35	–
A-36	–
A-37, A-38	Stop lamp switch
A-39	–
A-40	Column switch
A-41	Ignition switch
A-42	Headlamp (L.H.)
A-43	Front combination lamp (L.H.)
A-44	–
A-45	–
A-46, A-47, A-48	Front wiring harness and front floor wiring harness combination
A-49	–
A-50	–
A-51	Alternator relay



A-52	Front heater blower motor
A-53	Front speaker (L.H.)
A-54	–
A-55	Defogger switch
A-56	–
A-57	Rear fog lamp switch (Spare terminal)
A-58	Rear wiper switch
A-59	Hazard switch
A-60	Front heater blower switch
A-61	–
A-62	Ashtray illumination lamp
A-63	–
A-64	Clock
A-65	–
A-66	–
A-67	–
A-68	–
A-69	–



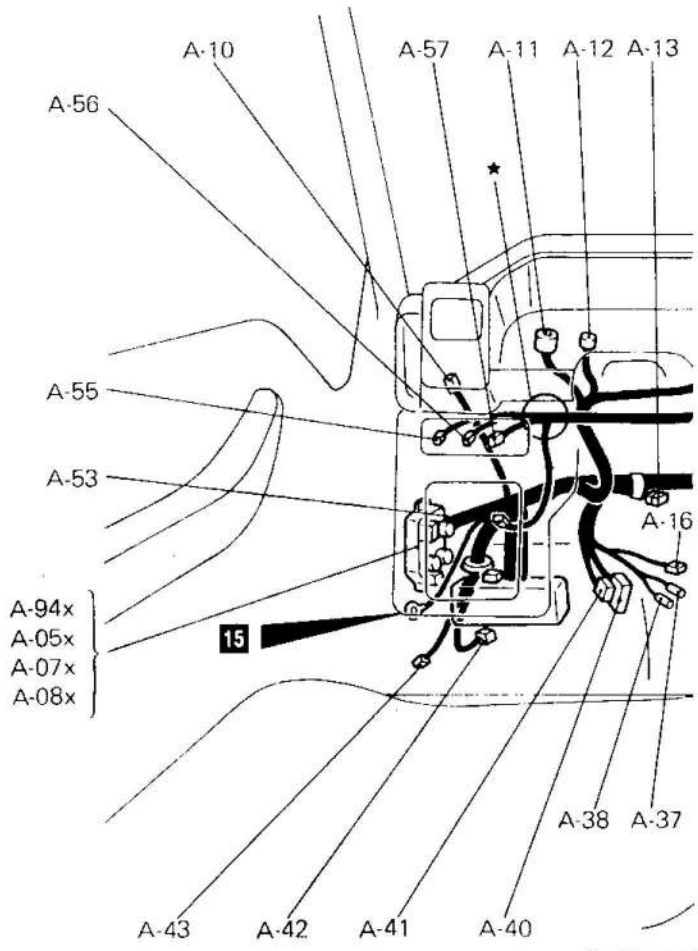
36G0014

A-70 Intermittent rear wiper relay
A-71 Front speaker (R.H.)
A-72 —
A-73 —
A-74 —
A-75 —
A-76 —
A-77 Radio
A-78 —
A-79 —
A-80 —
A-81 Parking brake switch
A-82 —
A-83 —
A-84 —
A-85 —
A-86, A-87 Cigarette lighter
A-88 —
A-89 —
A-90 —
A-91 —
A-92x Dim-dip lamp relay (1)
A-93x Dim-dip lamp relay (2)

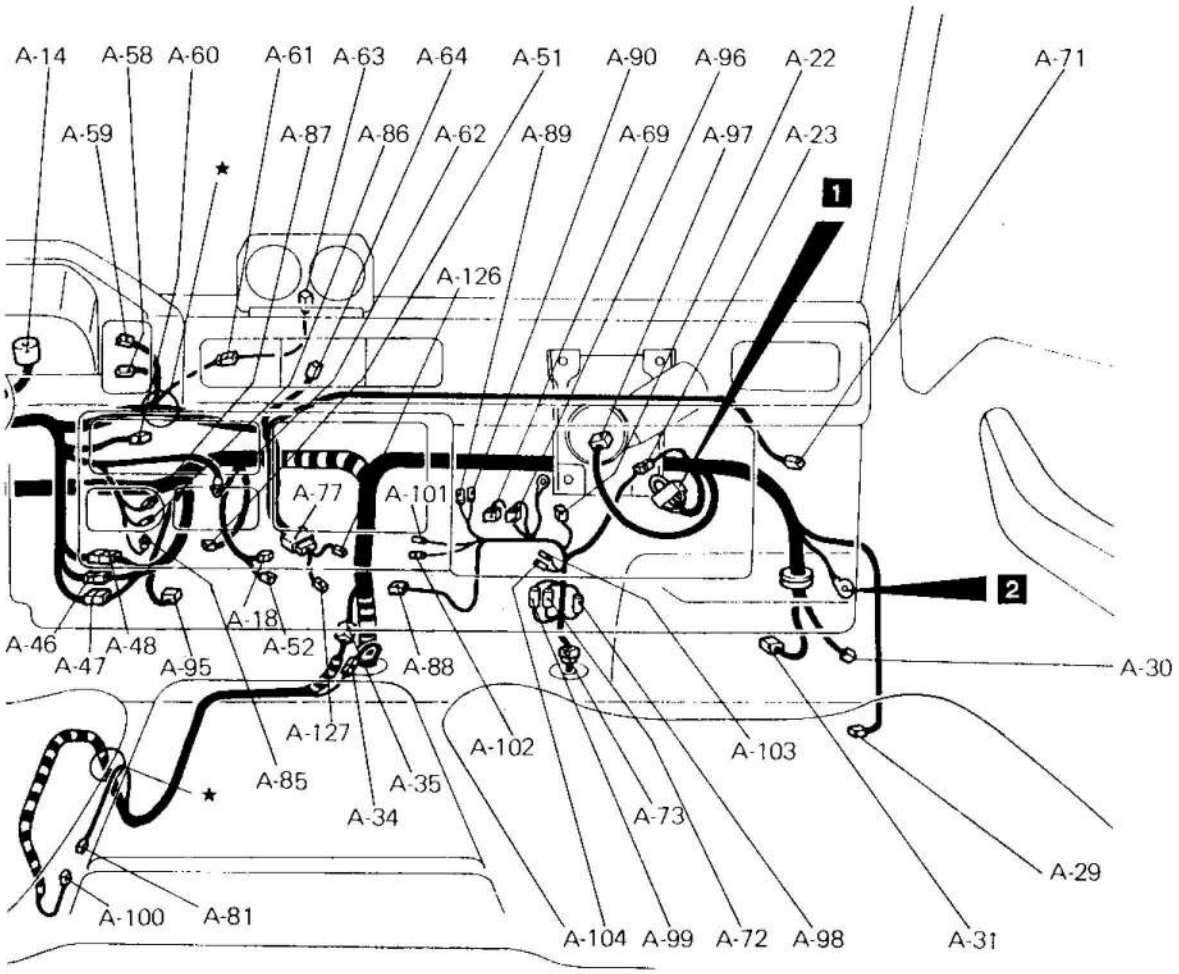
Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.
(3) "—" means that the connector with corresponding code-number is not used.

2-3 INSTRUMENT (L.H. drive vehicles for General Export)

Connector symbol **A**



A-01	—
A-02	—
A-03	—
A-04x	—
A-05x	Rear heater relay
A-06x	—
A-07x	Defogger relay
A-08x	Turn signal/hazard flasher unit
A-09	—
A-10	Brake fluid level switch
A-11, A-12	Combination meter
A-13	Condenser
A-14	Combination meter
A-15	—
A-16	Vacuum switch (Diesel-powered vehicles)
A-17	—
A-18	Front heater blower resistor
A-19	—
A-20	—
A-21	—
A-22	Front wiper motor
A-23	Front wiring harness and air conditioner wiring harness combination
A-24	—
A-25	—
A-26	—
A-27	—
A-28	—
A-29	Front wahser motor
A-30	Front combination lamp (R.H.)
A-31	Headlamp (R.H.)
A-32	—
A-33	—
A-34, A-35	Front wiring harness and front floor wiring harness combination
A-36	—
A-37, A-38	Stop lamp switch
A-39	—
A-40	Column switch
A-41	Ignition switch
A-42	Headlamp (L.H.)
A-43	Front combination lamp (L.H.)
A-44	—
A-45	—
A-46, A-47, A-48	Front wiring harness and instrument panel wiring harness combination
A-49	—
A-50	—
A-51	Alternator relay
A-52	Front heater blower motor
A-53	Front speaker (L.H.)
A-54	—
A-55	Defogger switch
A-56	Rear heater switch
A-57	Rear fog lamp switch
A-58	Rear wiper switch
A-59	Hazard switch
A-60	Front heater blower switch
A-61	Instrument panel wiring harness and inclinometer wiring harness combination
A-62	Ashtray illumination lamp
A-63	Inclinometer
A-64	Clock
A-65	—
A-66	—



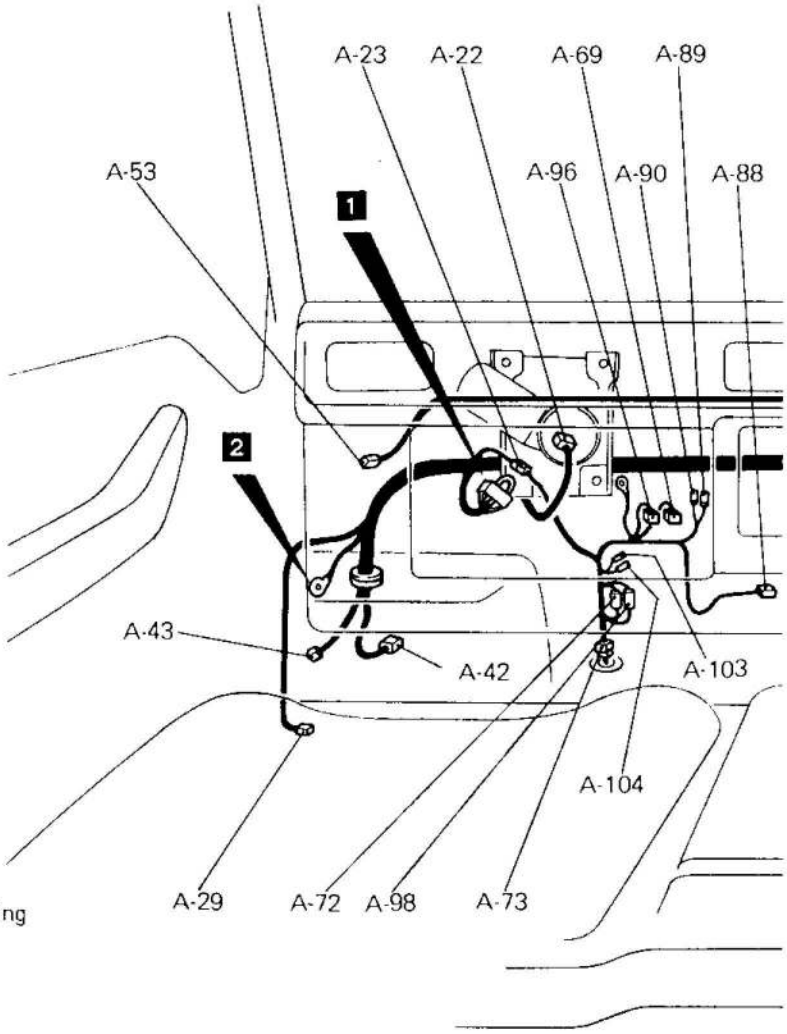
36G0018

A-67 –
A-68 –
A-69 Power relay A (Air conditioner)
A-70 –
A-71 Front speaker (R.H.)
A-72 Dedicated fuse (Air conditioner)
A-73 Joint (Air conditioner wiring harness)
A-74 –
A-75 –
A-76 –
A-77 Instrument panel wiring harness and stereo wiring harness combination
A-78 –
A-79 –
A-80 –
A-81 Parking brake switch
A-82 –
A-83 –
A-84 –
A-85 Cigarette lighter illumination lamp
A-86, A-87 Cigarette lighter
A-88 Air conditioner switch
A-89, A-90 Fin thermostat
A-91 –
A-92x –
A-93x –
A-94x Seat belt warning timer (Petrol-powered vehicles)
A-95 Buzzer (Petrol-powered vehicles)
A-96 Power relay B, A-97 Power relay C (Air conditioner)
A-98, A-99 Dedicated fuse (Air conditioner)
A-100 Seat belt switch (Petrol-powered vehicles)
A-101, A-102 Capacitor (Tandem)
A-103, A-104 Capacitor (Side)
A-105 ~ A-125 –
A-126 Tape player
A-127 Radio

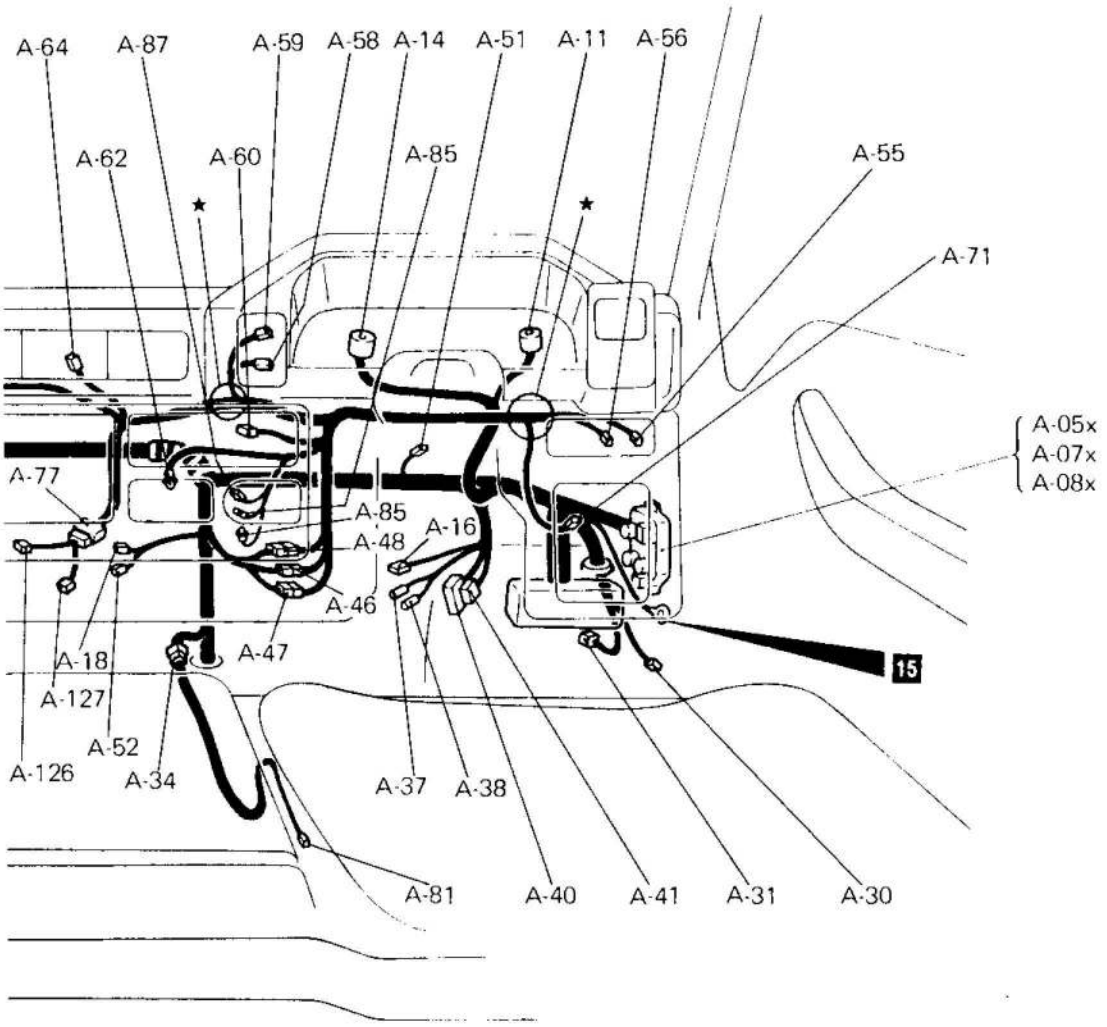
Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.
(3) "–" means that the connector with corresponding code-number is not used.

2-4 INSTRUMENT (R.H. drive vehicles for General Export)

Connector symbol **A**



A-01	–
A-02	–
A-03	–
A-04x	–
A-05x	Rear heater relay
A-06x	–
A-07x	Defogger relay (Petrol-powered vehicles)
A-08x	Turn signal/hazard flasher unit
A-09	–
A-10	–
A-11	Combination meter
A-12	–
A-13	–
A-14	–
A-15	–
A-16	Vacuum switch (Diesel-powered vehicles)
A-17	–
A-18	Front heater blower resistor
A-19	–
A-20	–
A-21	–
A-22	Front wiper motor
A-23	Front wiring harness and air conditioner wiring harness combination
A-24	–
A-25	–
A-26	–
A-27	–
A-28	–
A-29	Front washer motor
A-30	Front combination lamp (R.H.)
A-31	Headlamp (R.H.)
A-32	–
A-33	–
A-34	Front wiring harness and front floor wiring harness combination
A-35	–
A-36	–
A-37, A-38	Stop lamp switch
A-39	–
A-40	Column switch
A-41	Ignition switch
A-42	Headlamp (L.H.)
A-43	Front combination lamp (L.H.)
A-44	–
A-45	–
A-46, A-47, A-48	Front wiring harness and instrument panel wiring harness combination
A-49	–
A-50	–
A-51	Alternator relay
A-52	Front heater blower motor
A-53	Front speaker (L.H.)
A-54	–
A-55	Defogger switch (Petrol-powered vehicles)
A-56	Rear heater switch
A-57	–
A-58	Rear wiper switch
A-59	Hazard switch
A-60	Front heater blower switch
A-61	–
A-62	Ashtray illumination lamp
A-63	–
A-64	Clock
A-65	–
A-66	–
A-67	–
A-68	–
A-69	Power relay A (Air conditioner)
A-70	–



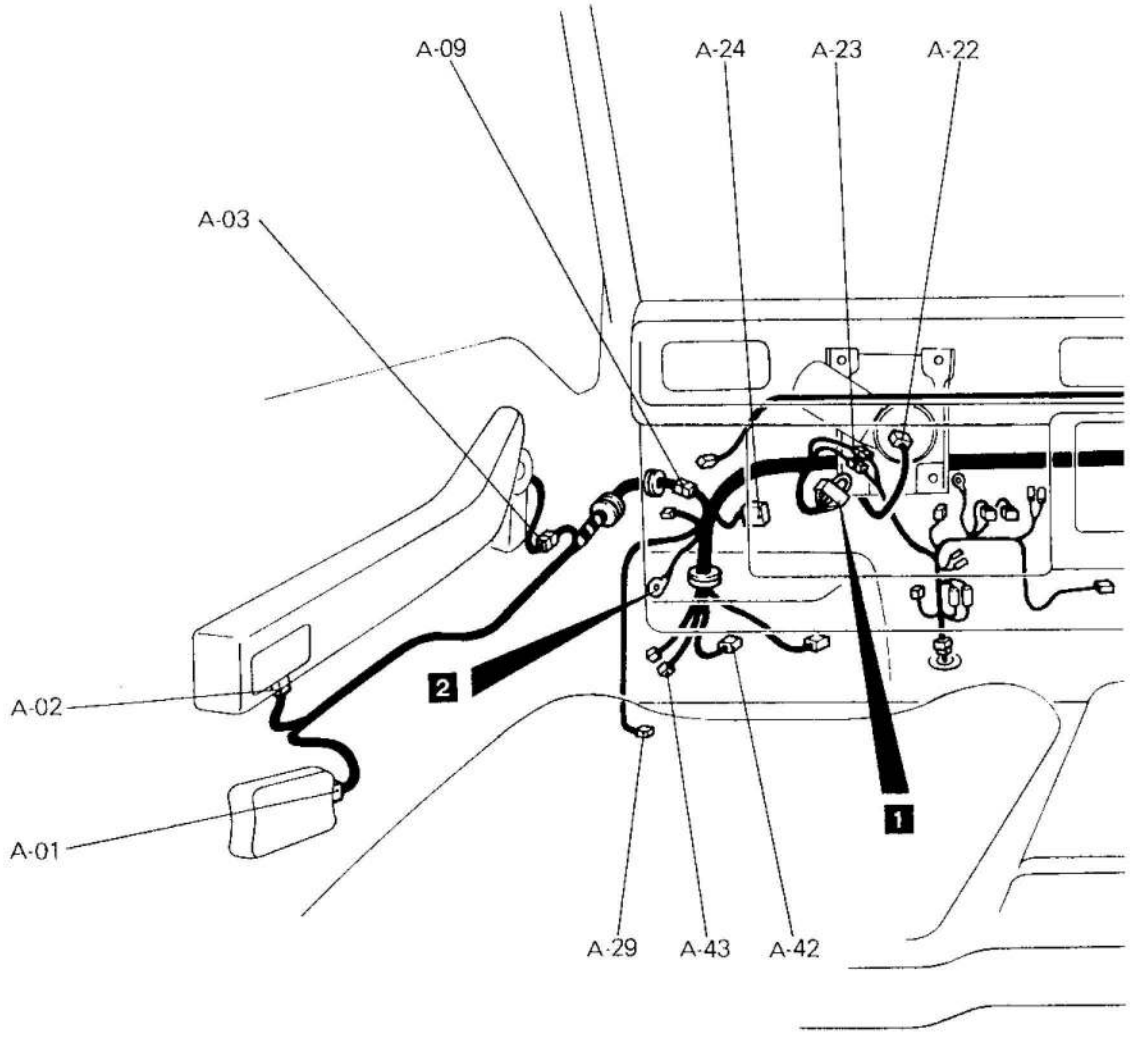
36G0015

A-71	Front speaker (R.H.)
A-72	Dedicated fuse (Air conditioner)
A-73	–
A-74	–
A-75	–
A-76	–
A-77	Instrument panel wiring harness and stereo wiring harness combination
A-78	–
A-79	–
A-80	–
A-81	Parking brake switch
A-82	–
A-83	–
A-84	–
A-85	Cigarette lighter illumination lamp
A-86, A-87	Cigarette lighter
A-88	Air conditioner switch
A-89, A-90	Fin thermostat
A-91	–
A-92x	–
A-93x	–
A-94x	–
A-95	–
A-96	Power relay B (Air conditioner)
A-97	–
A-98	Dedicated fuse (Air conditioner)
A-99	–
A-100	–
A-101	–
A-102	–
A-103, A-104	Capacitor
A-105 ~ A-125	–
A-126	Tape player
A-127	Radio

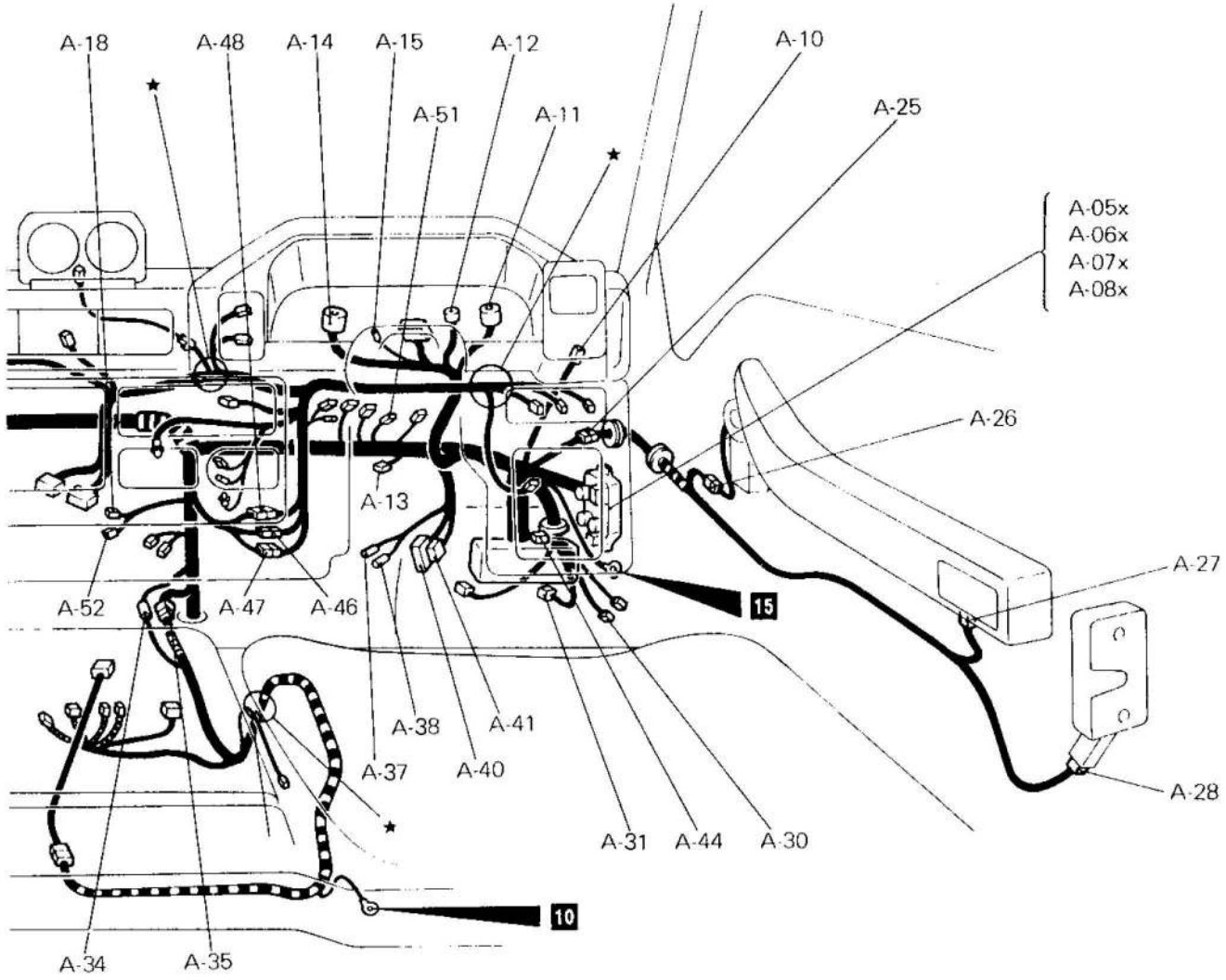
Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.
(3) "–" means that the connector with corresponding code number is not used.

2-5 INSTRUMENT (Vehicles for Australia)

Connector symbol
A -01 to -52



A-01	Front door lock actuator (L.H.)
A-02	Front door lamp (L.H.)
A-03	Power window motor (L.H.)
A-04x	—
A-05x	Rear heater relay
A-06x	Headlamp relay
A-07x	Defogger relay
A-08x	Turn signal/hazard flasher unit
A-09	Front wiring harness and door wiring harness (L.H.) combination
A-10	Brake fluid level switch
A-11, A-12	Combination meter
A-13	Condenser
A-14, A-15	Combination meter
A-16	—
A-17	—
A-18	Front heater blower resistor
A-19	—
A-20	Jumper connector
A-21	—
A-22	Front wiper motor
A-23	Front wiring harness and air conditioner wiring harness
A-24	M.P.I. control relay
A-25	Front wiring harness and door wiring harness (R.H.) combination
A-26	Power window motor (R.H.)
A-27	Front door lamp (R.H.)
A-28	Front door lock actuator (R.H.)
A-29	Front washer motor
A-30	Front combination lamp (R.H.)
A-31	Headlamp (R.H.)
A-32	—
A-33	—
A-34, A-35	Front wiring harness and front floor wiring harness combination
A-36	—
A-37, A-38	Stop lamp switch



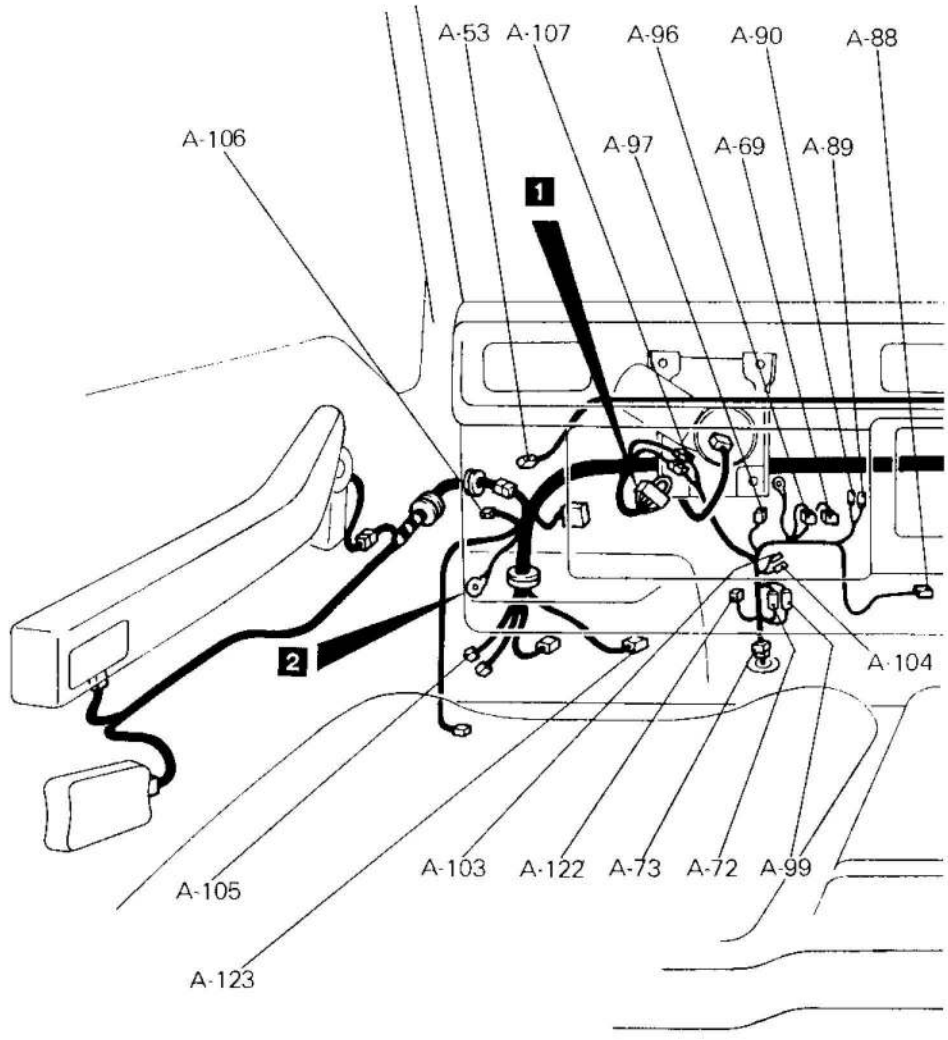
36G0017

A-39	–
A-40	Column switch
A-41	Ignition switch
A-42	Headlamp (L.H.)
A-43	Front combination lamp (L.H.)
A-44	Self-diagnosis check connector
A-45	–
A-46 A-47 A-48	Front wiring harness and instrument panel wiring harness combination
A-49	–
A-50	–
A-51	Alternator relay
A-52	Front heater blower motor

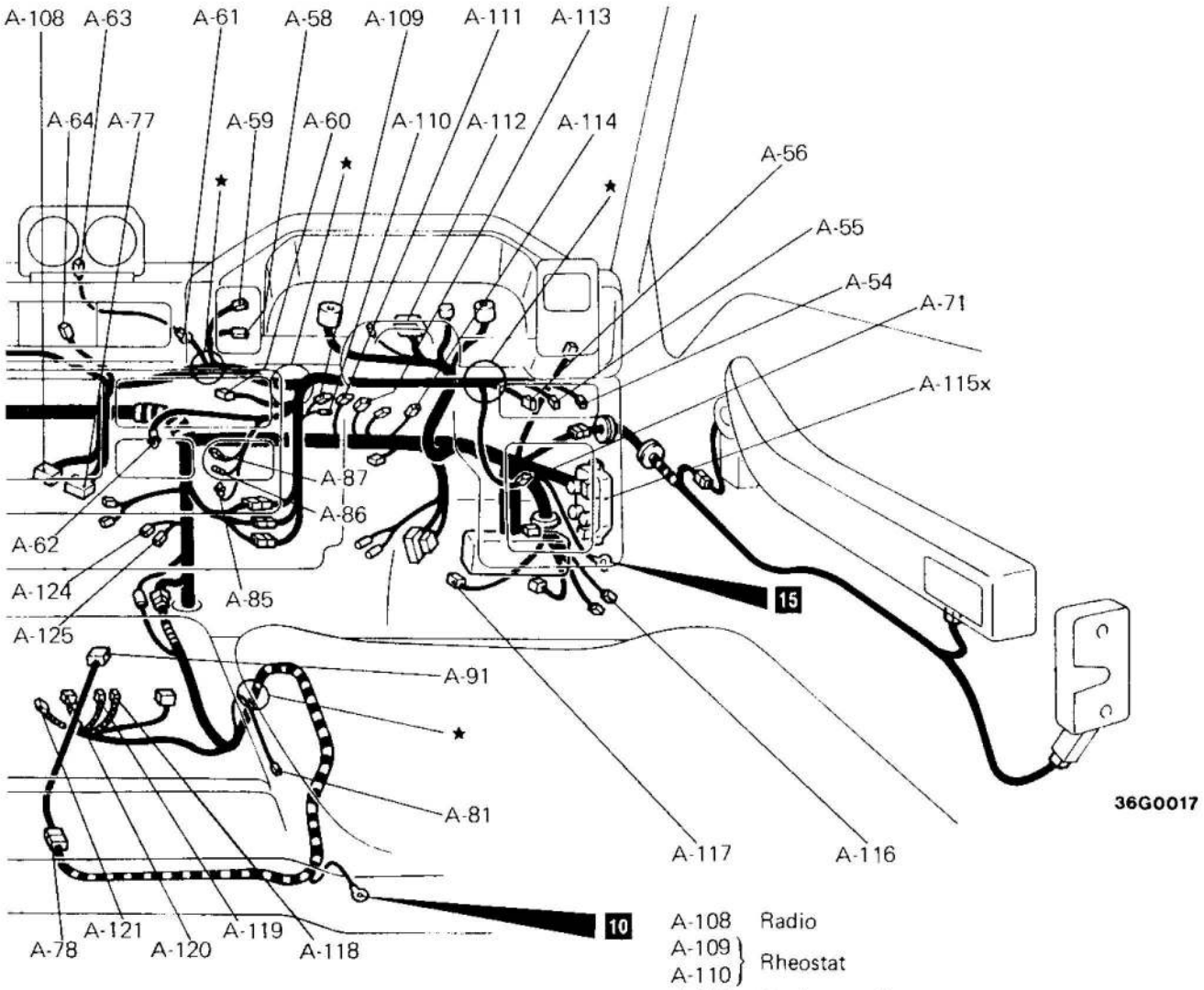
Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.
(3) "–" means that the connector with corresponding code-number is not used.

2-5 INSTRUMENT (Vehicles for Australia)

Connector symbol
A -53 to -125



A-53	Front speaker (L.H.)
A-54	Tailgate lock unlock switch
A-55	Defogger switch
A-56	Rear heater switch
A-57	—
A-58	Rear wiper switch
A-59	Hazard switch
A-60	Front heater blower switch
A-61	Instrument panel wiring harness and inclinometer wiring harness combination
A-62	Ashtray illumination lamp
A-63	Inclinometer
A-64	Clock
A-65	—
A-66	—
A-67	—
A-68	—
A-69	Power relay A (Air conditioner)
A-70	—
A-71	Front speaker (R.H.)
A-72	Dedicated fuse (Air conditioner)
A-73	Joint (Air conditioner wiring harness)
A-74	—
A-75	—
A-76	—
A-77	Radio
A-78	Front floor wiring harness and console wiring harness combination
A-79	—
A-80	—
A-81	Parking brake switch
A-82	—
A-83	—
A-84	—
A-85	Cigarette lighter illumination lamp
A-86, A-87	Cigarette lighter



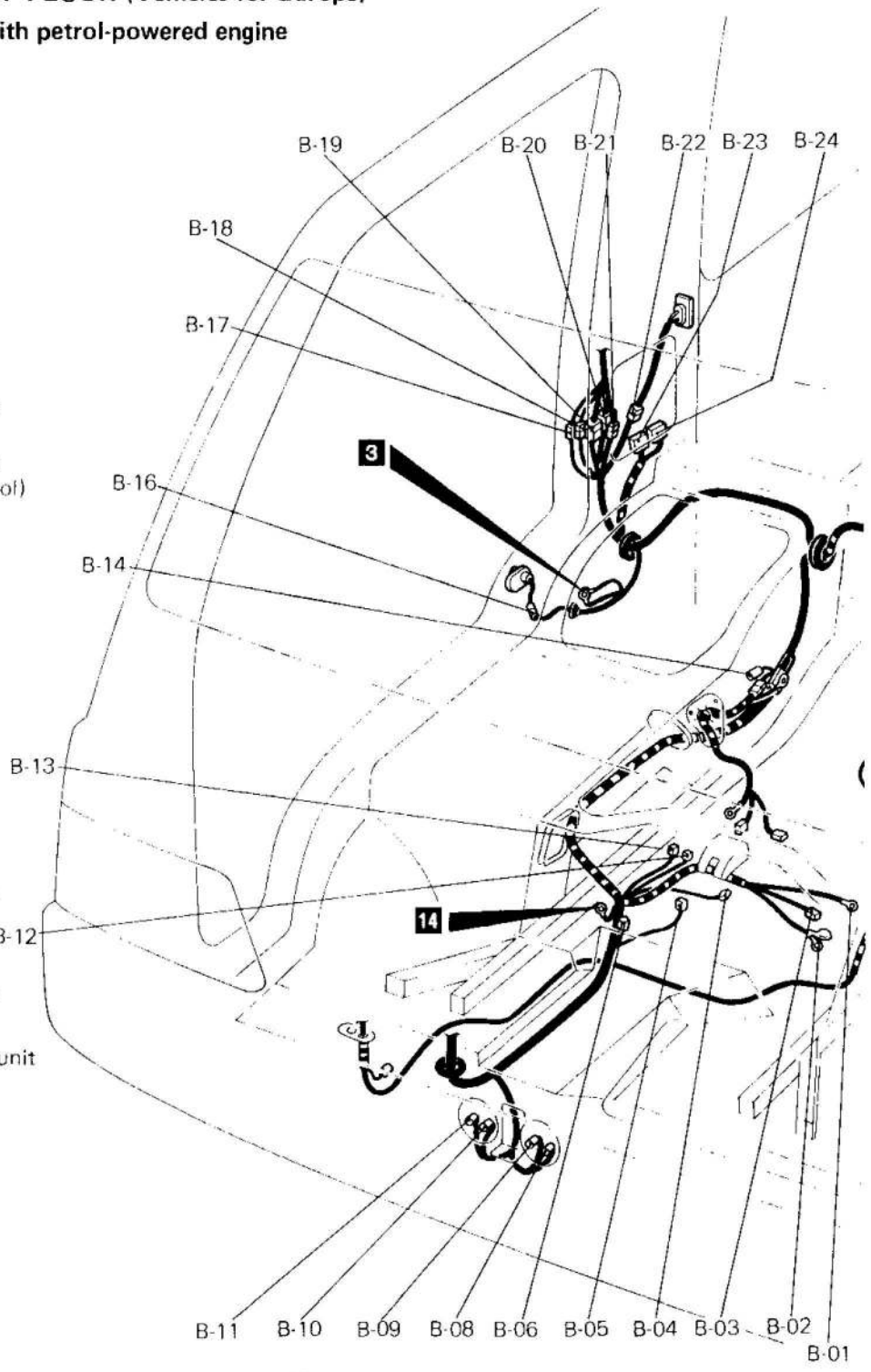
A-88 Air conditioner switch
A-89, A-90 Fin thermostat
A-91 Power window switch
A-92x —
A-93x —
A-94x —
A-95 —
A-96 Power relay B
A-97 Power relay C
(Air conditioner)
A-98 —
A-99 Dedicated fuse (Air conditioner)
A-100 —
A-101 —
A-102 —
A-103, A-104 Capacitor (side)
A-105 Front side marker light (L.H.)
A-106 Automatic free-wheeling hub indicator control unit
A-107 Front wiring harness and air conditioner wiring harness combination
A-108 Radio
A-109, A-110 Rheostat
A-111 Engine speed sensor
A-112 Combination meter
(Vehicles with an automatic transmission)
A-113 Door lock power relay
A-114 Door lock control unit
A-115x Power window relay
A-116 Front side marker (R.H.)
A-117 Headlamp (R.H.)
A-118 Overdrive switch
A-119 Overdrive relay
A-120 Starter relay
A-121 (Vehicles with an automatic transmission)
A-122 Diode (Air conditioner)
A-123 Headlamp (L.H.)
A-124, A-125 Diode

Remarks
(1) The mark ★ shows the standard mounting position of wiring harness.
(2) For details of earth points (example 1), refer to P. 3-11.
(3) "—" means that the connector with corresponding code-number is not used.

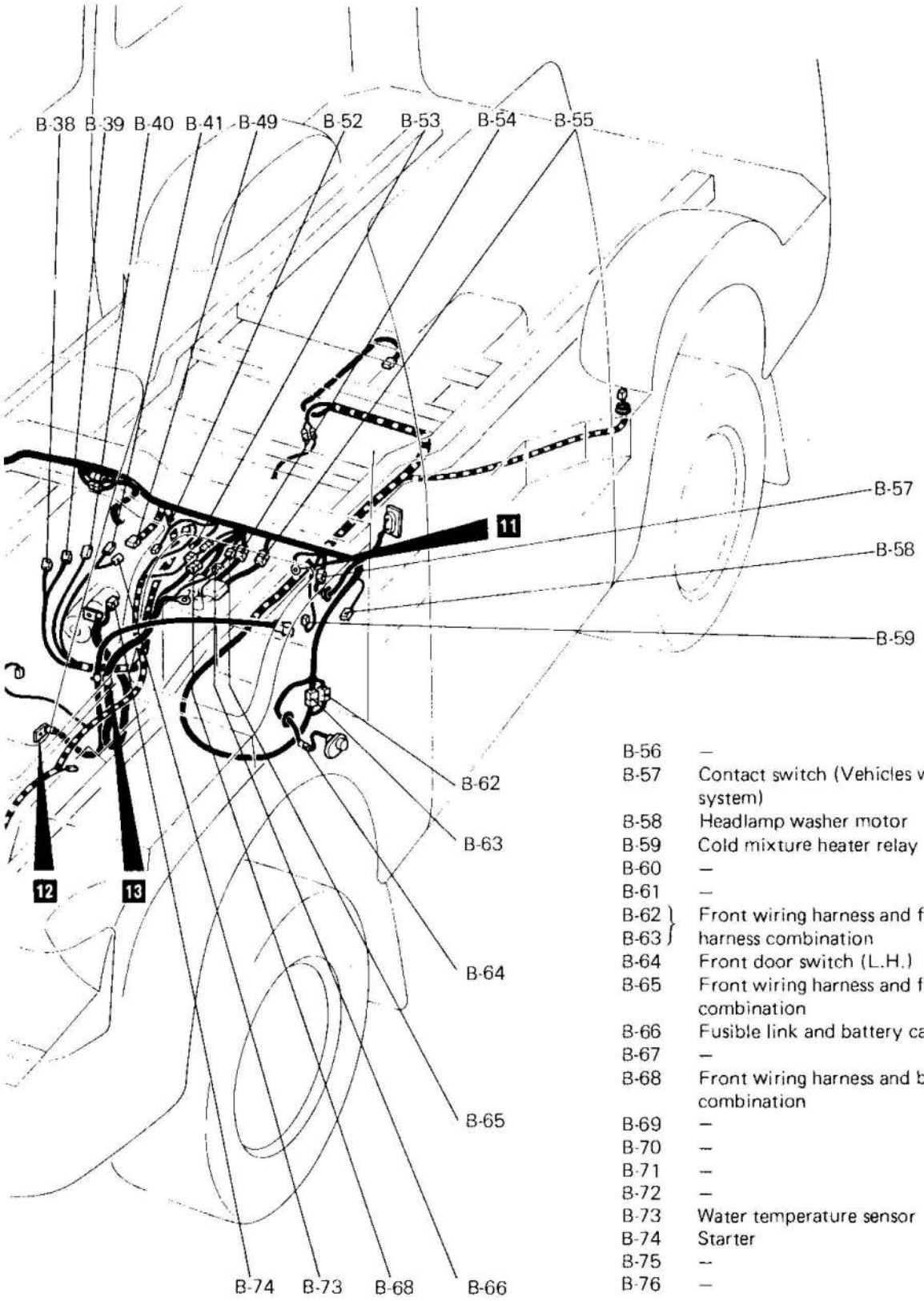
3-1 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

L.H. drive 2WD vehicles with petrol-powered engine

Connector symbol **B -01 to -76**



B-01, B-02, B-03 } Ignition coil
B-04 Vacuum switch (Vehicles with an automatic speed control)
B-05 Vacuum pump relay (Vehicles with an automatic speed control)
B-06 Tachometer filter
B-07 —
B-08, B-09, B-10, B-11 } Horn
B-12 Actuator (Vehicles with an automatic speed control)
B-13 Vacuum pump (Vehicles with an automatic speed control)
B-14 Oxygen sensor
B-15 —
B-16 Front door switch (R.H.)
B-17, B-18, B-19, B-20, B-21 } Front wiring harness and roof wiring harness combination
B-22 Contact switch (Vehicles with a central locking system)
B-23, B-24 } Feed back carburetor control unit
B-25 —
B-26 —
B-27 —
B-28 —
B-29 —
B-30 —
B-31 —
B-32 —
B-33 —
B-34 —
B-35 —
B-36 —
B-37 —
B-38 Cold mixture heater
B-39 Thermo switch
B-40 Fuel cut solenoid valve
B-41 Water temperature gauge unit
B-42 —
B-43 —
B-44 —
B-45 —
B-46 —
B-47 —
B-48 —
B-49 Over vent valve
B-50 —
B-51 —
B-52 Secondary air control valve
B-53 Vacuum switch
B-54, B-55 } Front wiring harness and fusible link combination



36G0027

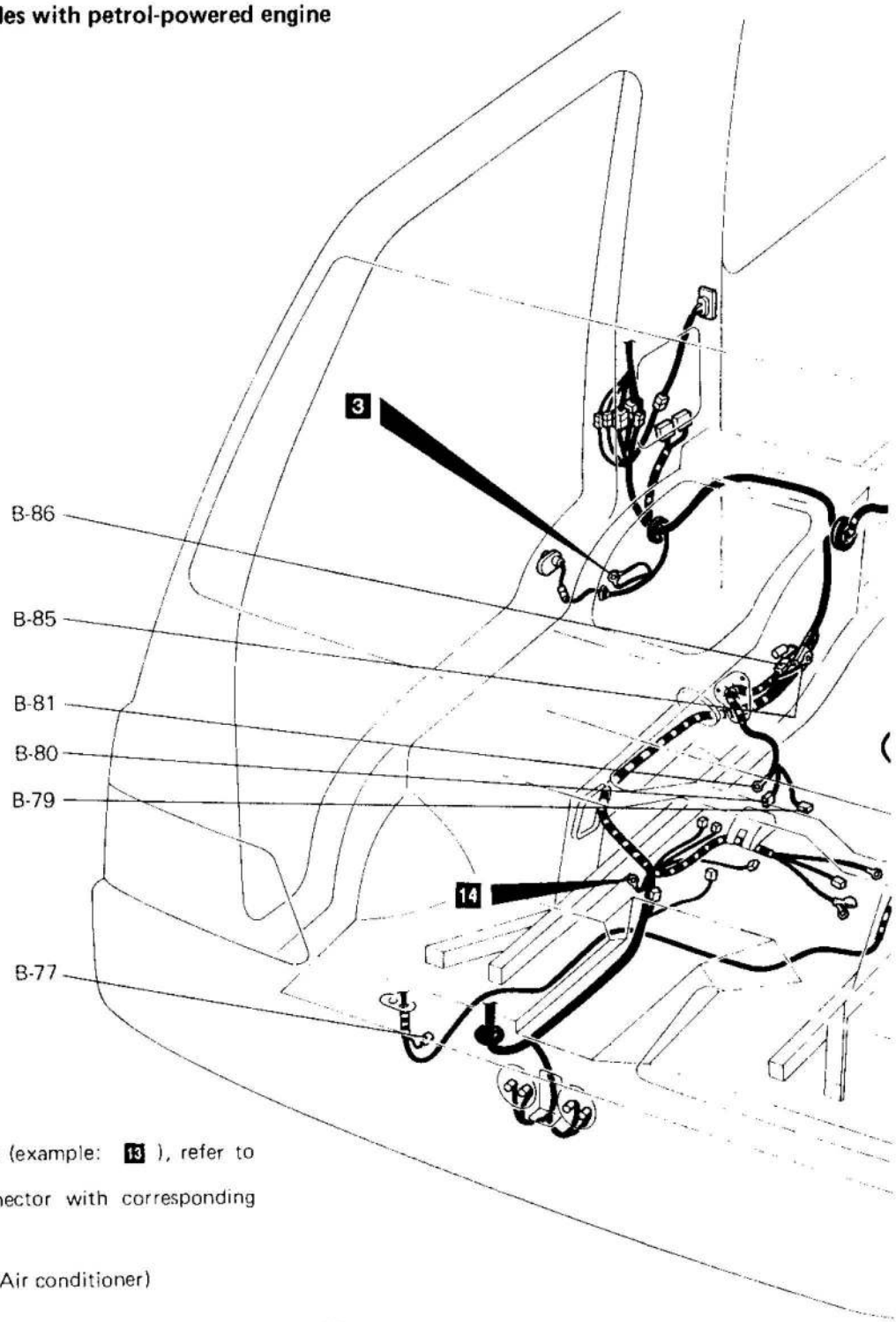
B-56	—
B-57	Contact switch (Vehicles with a central locking system)
B-58	Headlamp washer motor
B-59	Cold mixture heater relay
B-60	—
B-61	—
B-62 }	Front wiring harness and fuel gauge wiring
B-63 }	harness combination
B-64	Front door switch (L.H.)
B-65	Front wiring harness and fusible link combination
B-66	Fusible link and battery cable (+) combination
B-67	—
B-68	Front wiring harness and battery cable (+) combination
B-69	—
B-70	—
B-71	—
B-72	—
B-73	Water temperature sensor
B-74	Starter
B-75	—
B-76	—

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

3-1 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

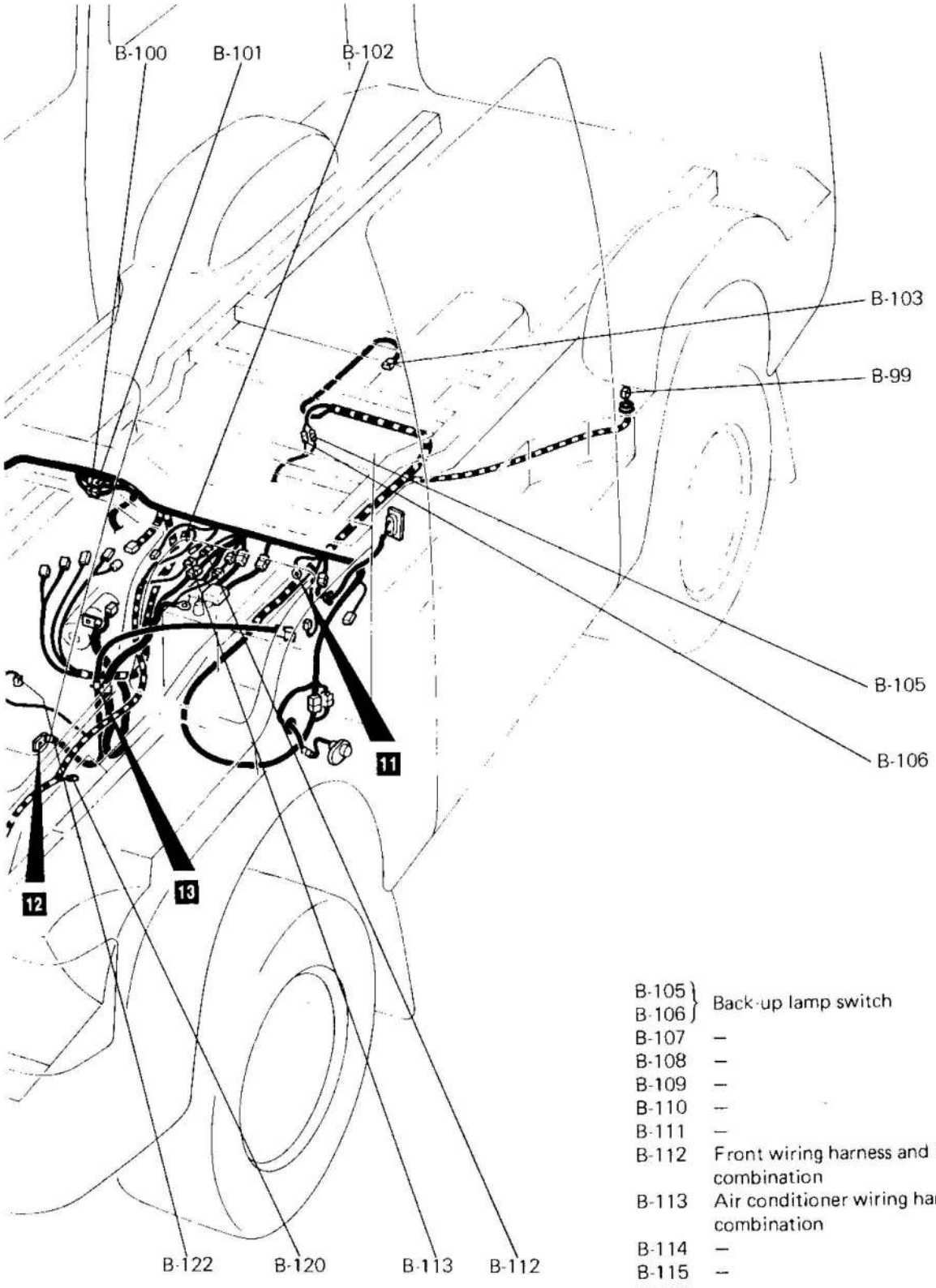
L.H. drive 2WD vehicles with petrol-powered engine

Connector symbol
B -77 to -122



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

B-77	Pressure switch (Dual) (Air conditioner)		
B-78	—		
B-79	Oil pressure switch	B-89	—
B-80 } B-81 }	Alternator	B-90	—
		B-91	—
B-82	—	B-92	—
B-83	—	B-93	—
B-84	—	B-94	—
B-85 } B-86 }	Front wiring harness and engine wiring harness combination	B-95	—
		B-96	—
B-87	—	B-97	—
B-88	—	B-98	—



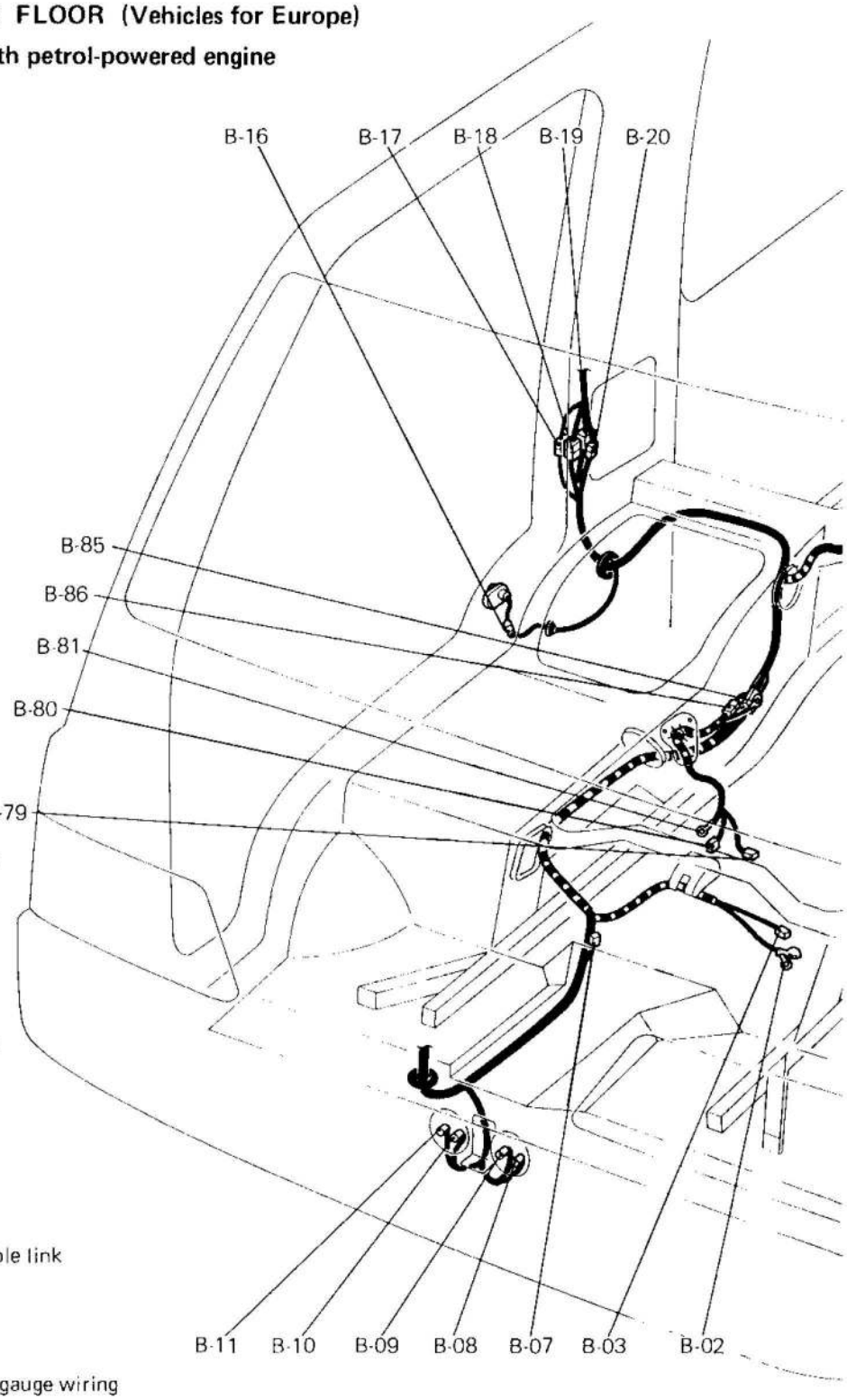
36G0027

B-99	Rear heater blower motor
B-100	Throttle position switch
B-101	Auto choke heater and solenoid valve
B-102	Solenoid valve (Air conditioner)
B-103	Fuel gauge unit
B-104	–
B-105 B-106	Back-up lamp switch
B-107	–
B-108	–
B-109	–
B-110	–
B-111	–
B-112	Front wiring harness and fusible link combination
B-113	Air conditioner wiring harness and fusible link combination
B-114	–
B-115	–
B-116	–
B-117	–
B-118	–
B-119	–
B-120	Magnet clutch (Air conditioner)
B-121	–
B-122	Water temperature switch (Air conditioner)

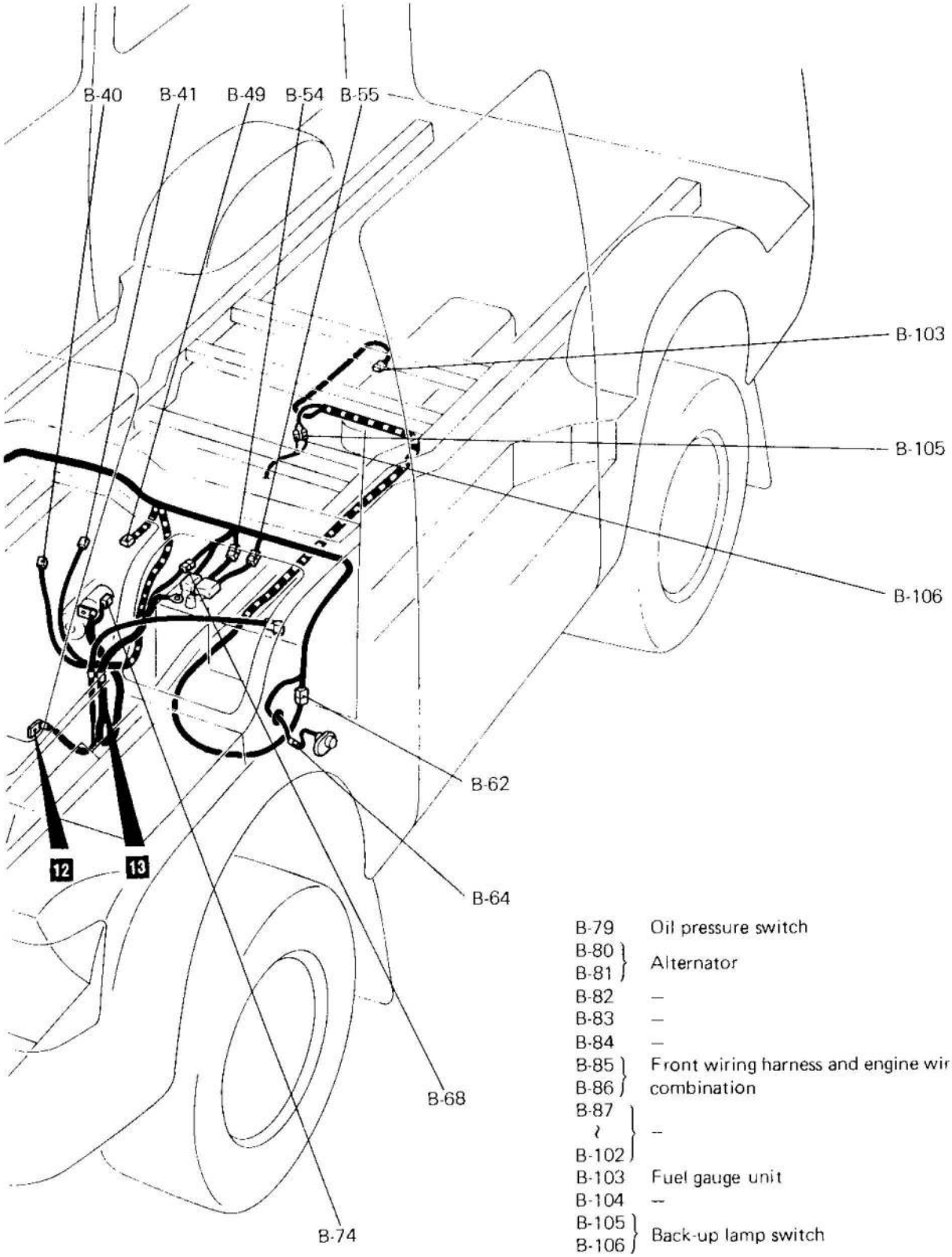
3-2 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

R.H. drive 2WD vehicles with petrol-powered engine

Connector symbol **B**



B-01 —
B-02, B-03 Ignition coil
B-04 —
B-05 —
B-06 —
B-07 Resistor (Vehicles with a dim-dip lamp)
B-08, B-09, B-10, B-11 Horn
B-12 ~ B-15 —
B-16 Front door switch (R.H.)
B-17, B-18, B-19, B-20 Front wiring harness and roof wiring harness combination
B-21 ~ B-39 —
B-40 Fuel cut solenoid valve
B-41 Water temperature gauge unit
B-42 ~ B-48 —
B-49 Over vent valve
B-50 ~ B-53 —
B-54, B-55 Front wiring harness and fusible link combination
B-56 ~ B-61 —
B-62 Front wiring harness and fuel gauge wiring harness combination
B-63 —
B-64 Front door switch (L.H.)
B-65 —
B-66 —
B-67 —
B-68 Front wiring harness and battery cable (+) combination
B-69 ~ B-73 —
B-74 Starter
B-75 ~ B-78 —



36G0032

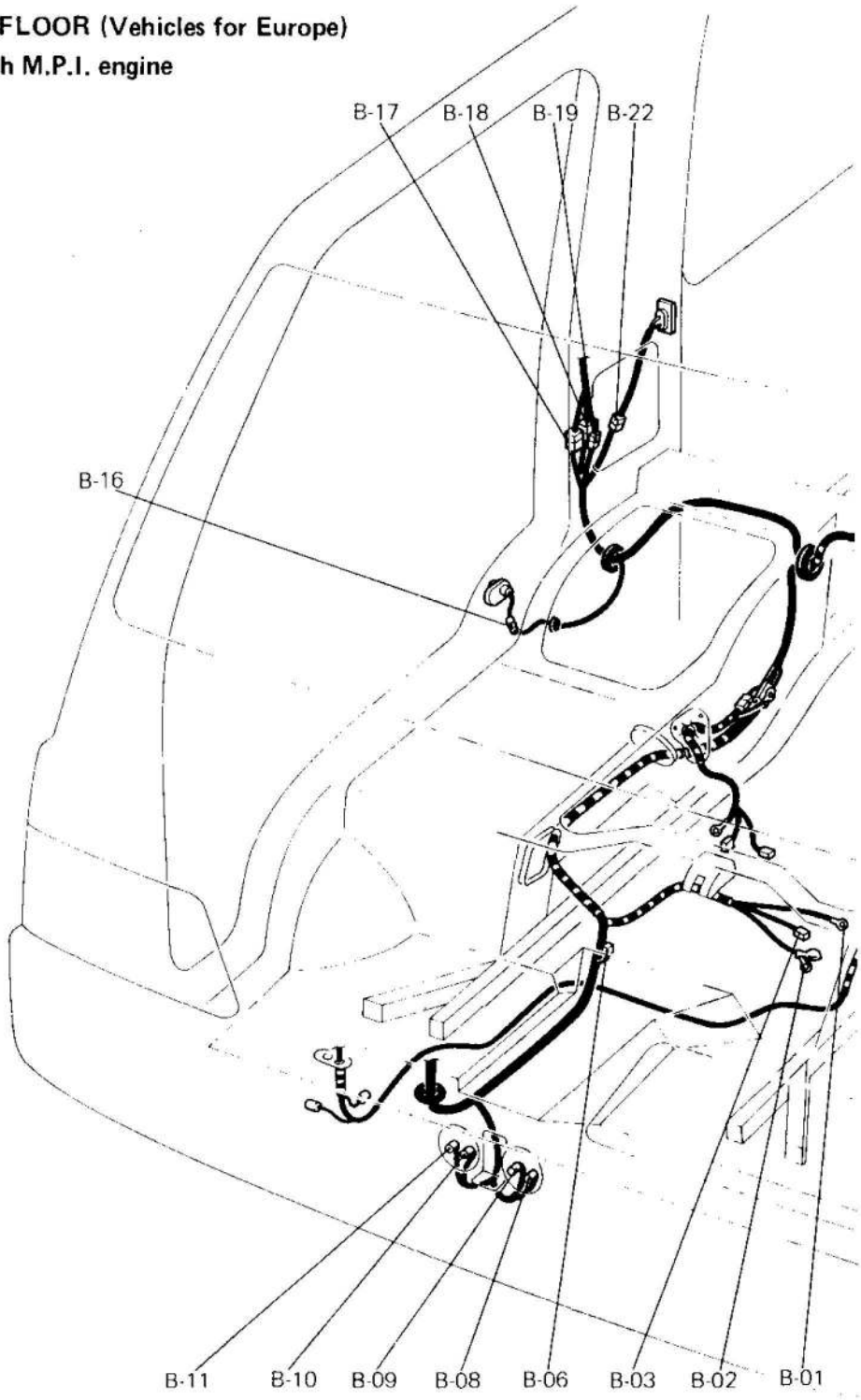
B-79	Oil pressure switch
B-80, B-81	Alternator
B-82	–
B-83	–
B-84	–
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87 ~ B-102	–
B-103	Fuel gauge unit
B-104	–
B-105, B-106	Back-up lamp switch

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) " " means that the connector with corresponding code number is not used.

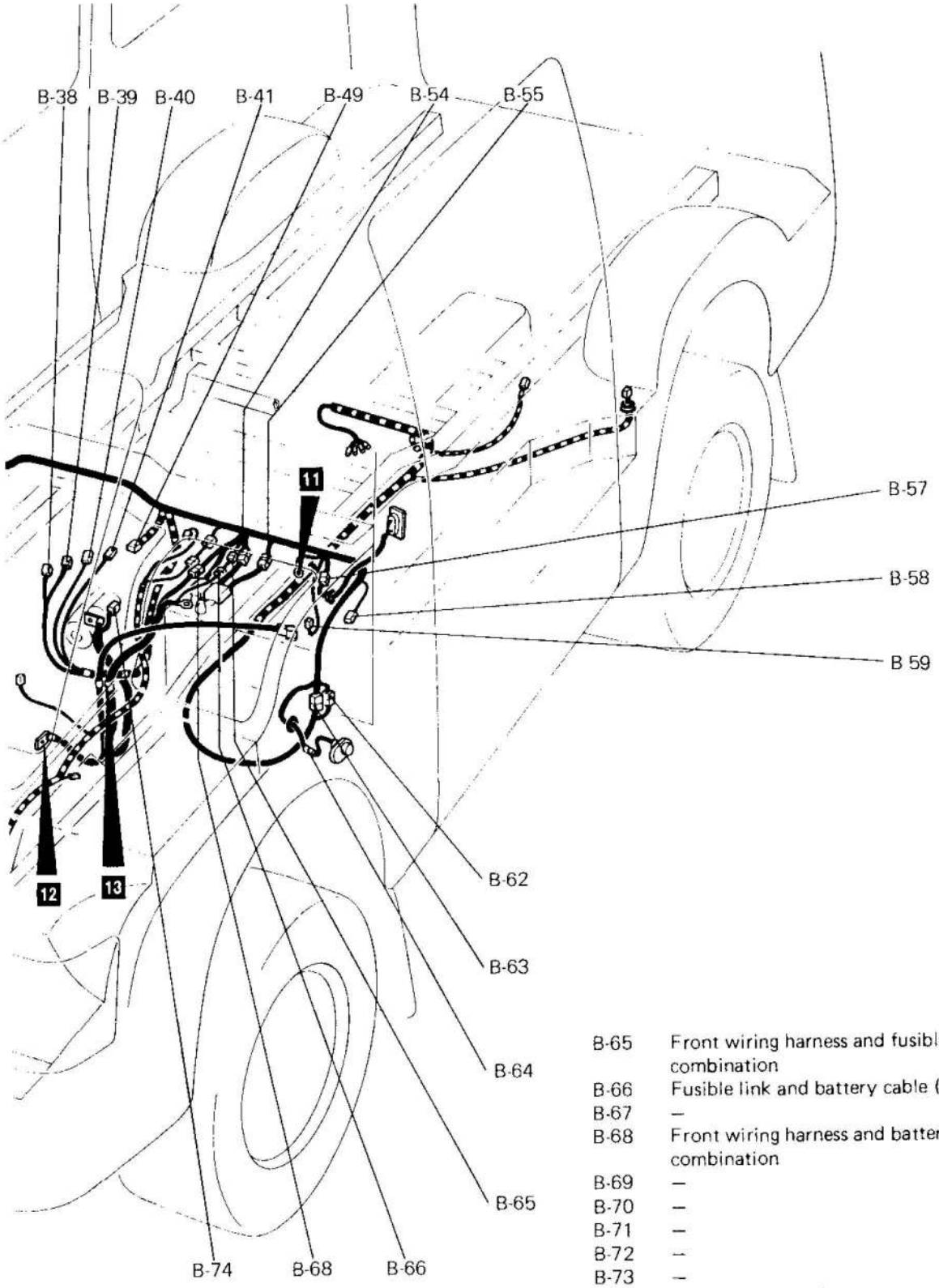
3-3 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

Vehicles other than 4WD with M.P.I. engine

Connector symbol **B -01 to -76**



B-01, B-02, B-03	Ignition coil
B-04	—
B-05	—
B-06	Tachometer filter
B-07	—
B-08, B-09, B-10, B-11	Horn
B-12	—
B-13	—
B-14	—
B-15	—
B-16	Front door switch (R.H.)
B-17, B-18, B-19	Front wiring harness and roof wiring harness combination
B-20	—
B-21	—
B-22	Contact switch (Vehicles with a central locking system)
B-23	—
B-24	—
B-25	—
B-26	—
B-27	—
B-28	—
B-29	—
B-30	—
B-31	—
B-32	—
B-33	—
B-34	—
B-35	—
B-36	—
B-37	—
B-38	Cold mixture heater
B-39	Thermo switch
B-40	Fuel cut solenoid valve
B-41	Water temperature gauge unit
B-42	—
B-43	—
B-44	—
B-45	—
B-46	—
B-47	—
B-48	—
B-49	Over vent valve
B-50	—
B-51	—
B-52	—
B-53	—
B-54, B-55	Front wiring harness and fusible link combination
B-56	—
B-57	Contact switch (Vehicles with a central locking system)
B-58	Headlamp washer motor



B-59 Cold mixture heater relay
B-60 —
B-61 —
B-62 } Front wiring harness and fuel gauge
B-63 } wiring harness combination
B-64 Front door switch (L.H.)

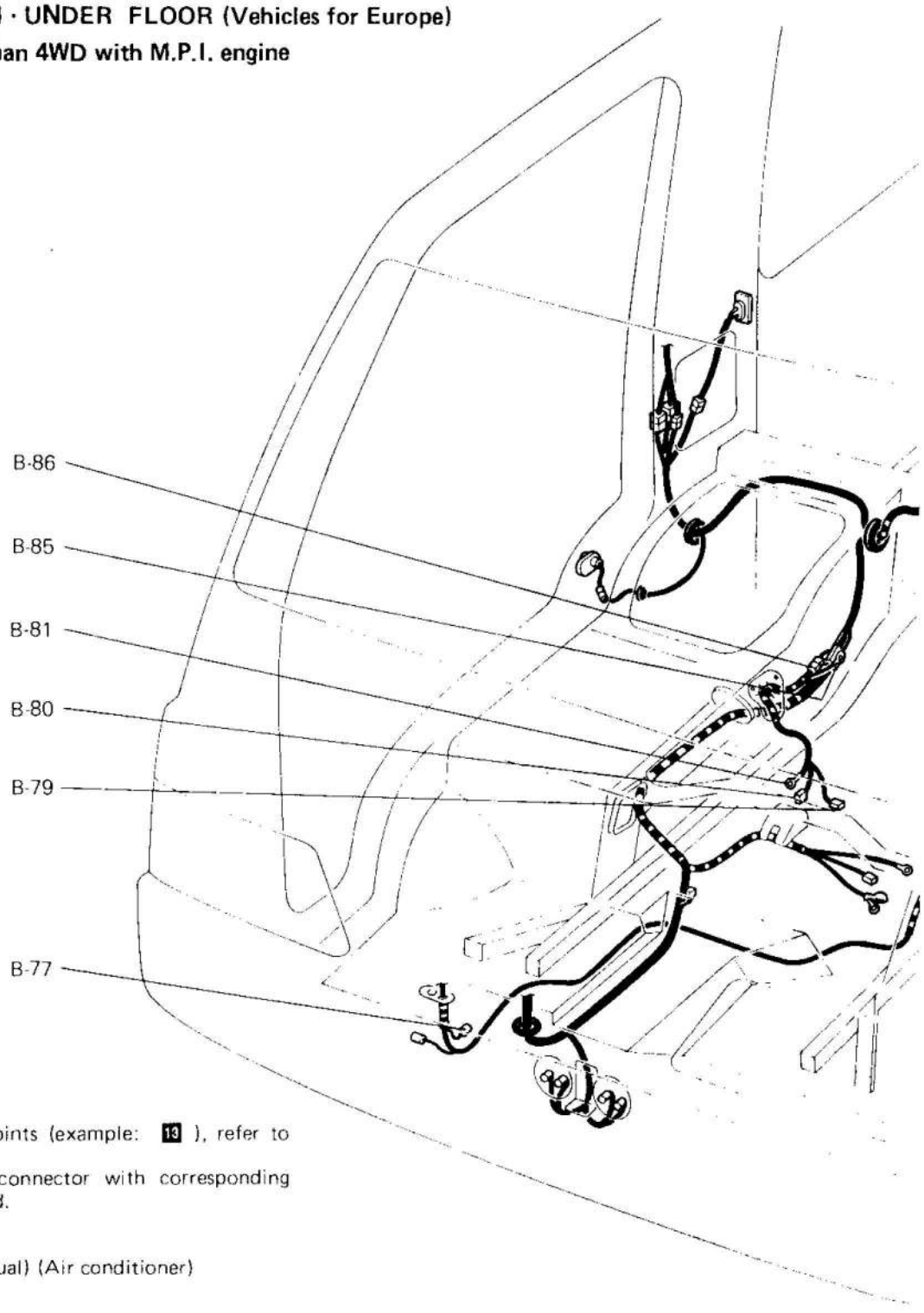
B-65 Front wiring harness and fusible link combination
B-66 Fusible link and battery cable (+) combination
B-67 —
B-68 Front wiring harness and battery cable (+) combination
B-69 —
B-70 —
B-71 —
B-72 —
B-73 —
B-74 Starter
B-75 —
B-76 —

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

3-3 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

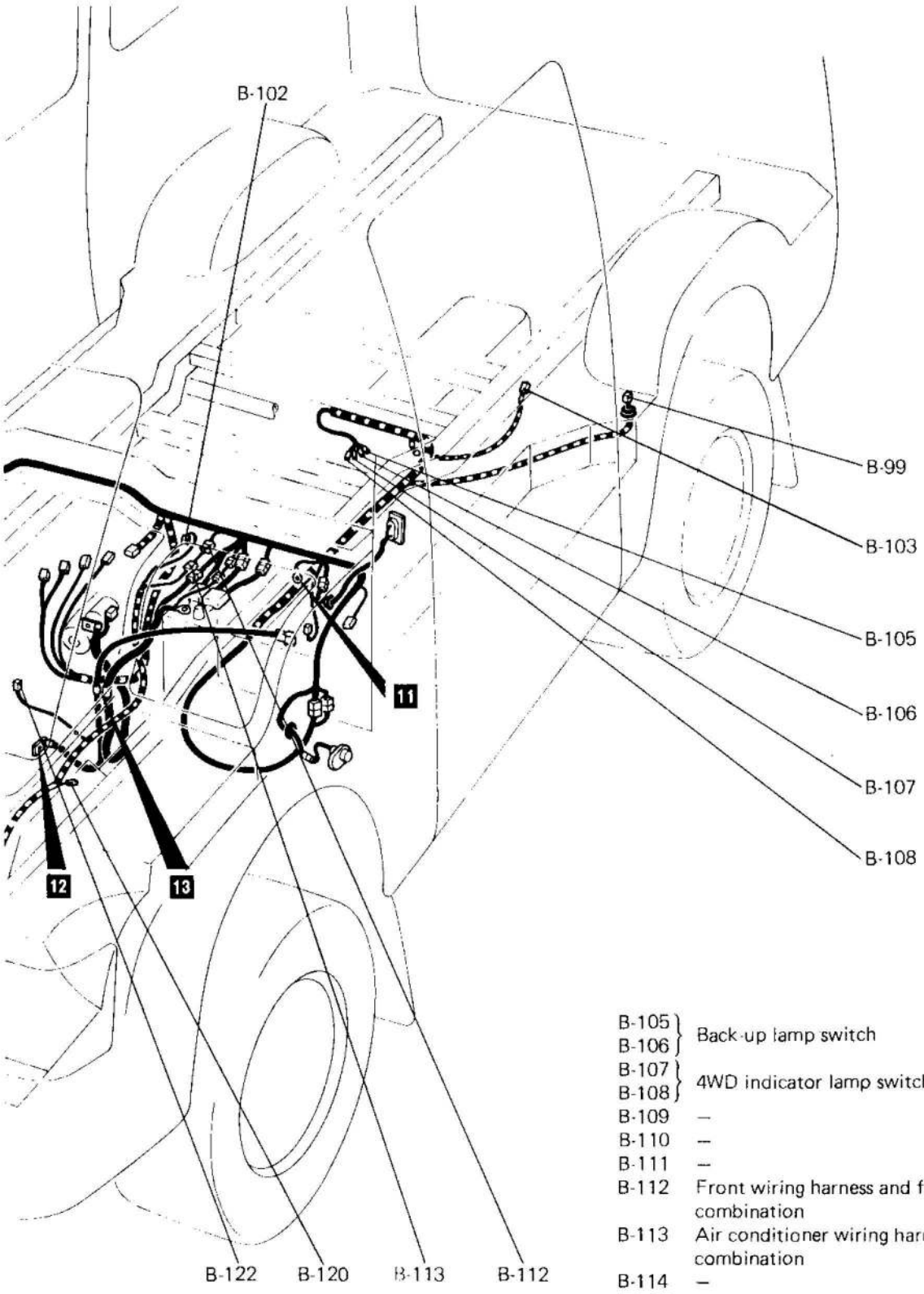
Vehicles other than 4WD with M.P.I. engine

Connector symbol **B -77 to -122**



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

B-77	Pressure switch (Dual) (Air conditioner)
B-78	–
B-79	Oil pressure switch
B-80, B-81	Alternator
B-82	–
B-83	–
B-84	–
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	–
B-88	–
B-89	–
B-90	–
B-91	–
B-92	–
B-93	–
B-94	–
B-95	–
B-96	–
B-97	–
B-98	–



B-99 Rear heater blower motor
B-100 —
B-101 —
B-102 Solenoid valve (Air conditioner)
B-103 Fuel gauge
B-104 —

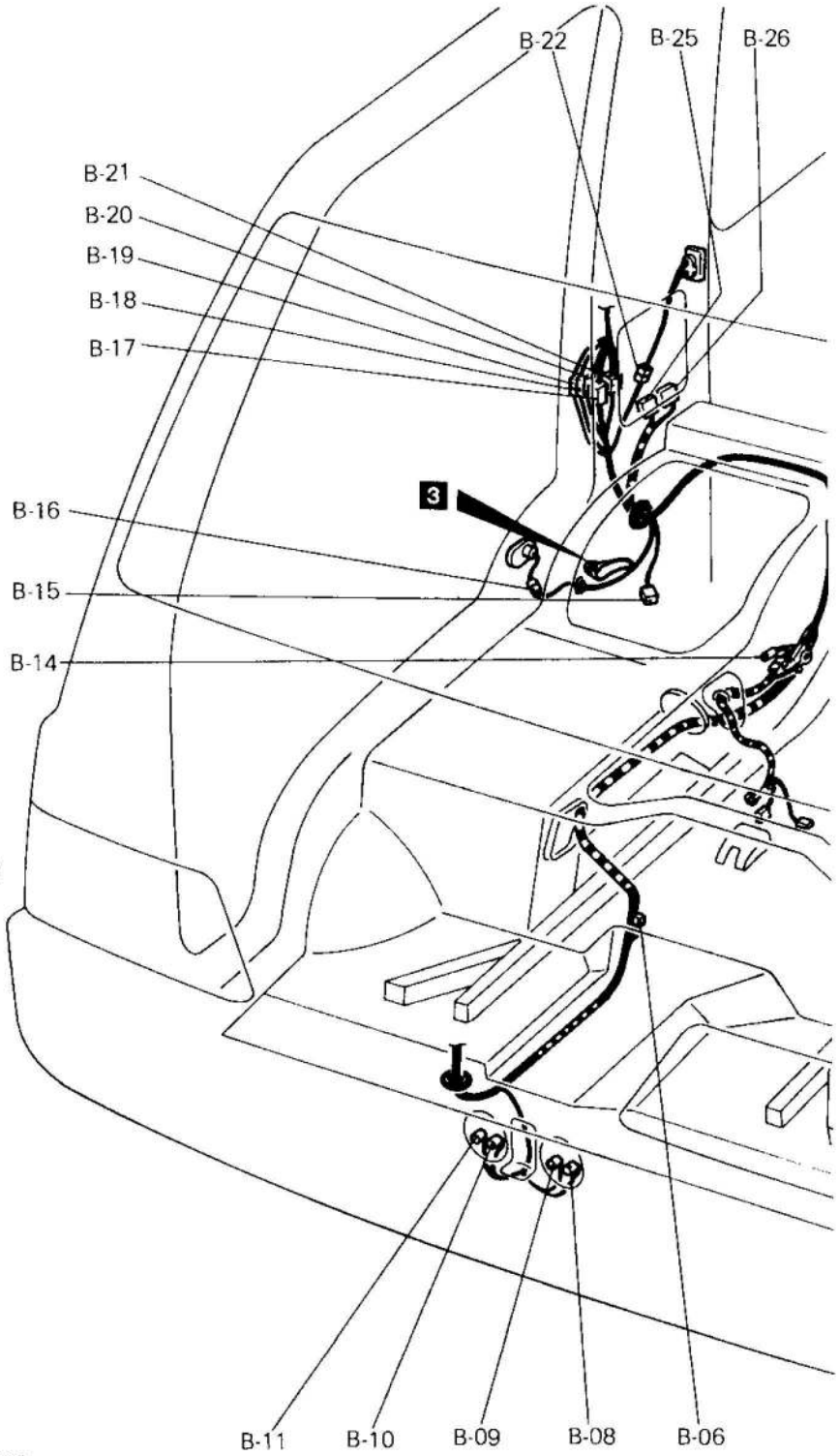
B-105, B-106 Back-up lamp switch
B-107, B-108 4WD indicator lamp switch
B-109 —
B-110 —
B-111 —
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 —
B-115 —
B-116 —
B-117 —
B-118 —
B-119 —
B-120 Magnet clutch (Air conditioner)
B-121 —
B-122 —

3-4 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

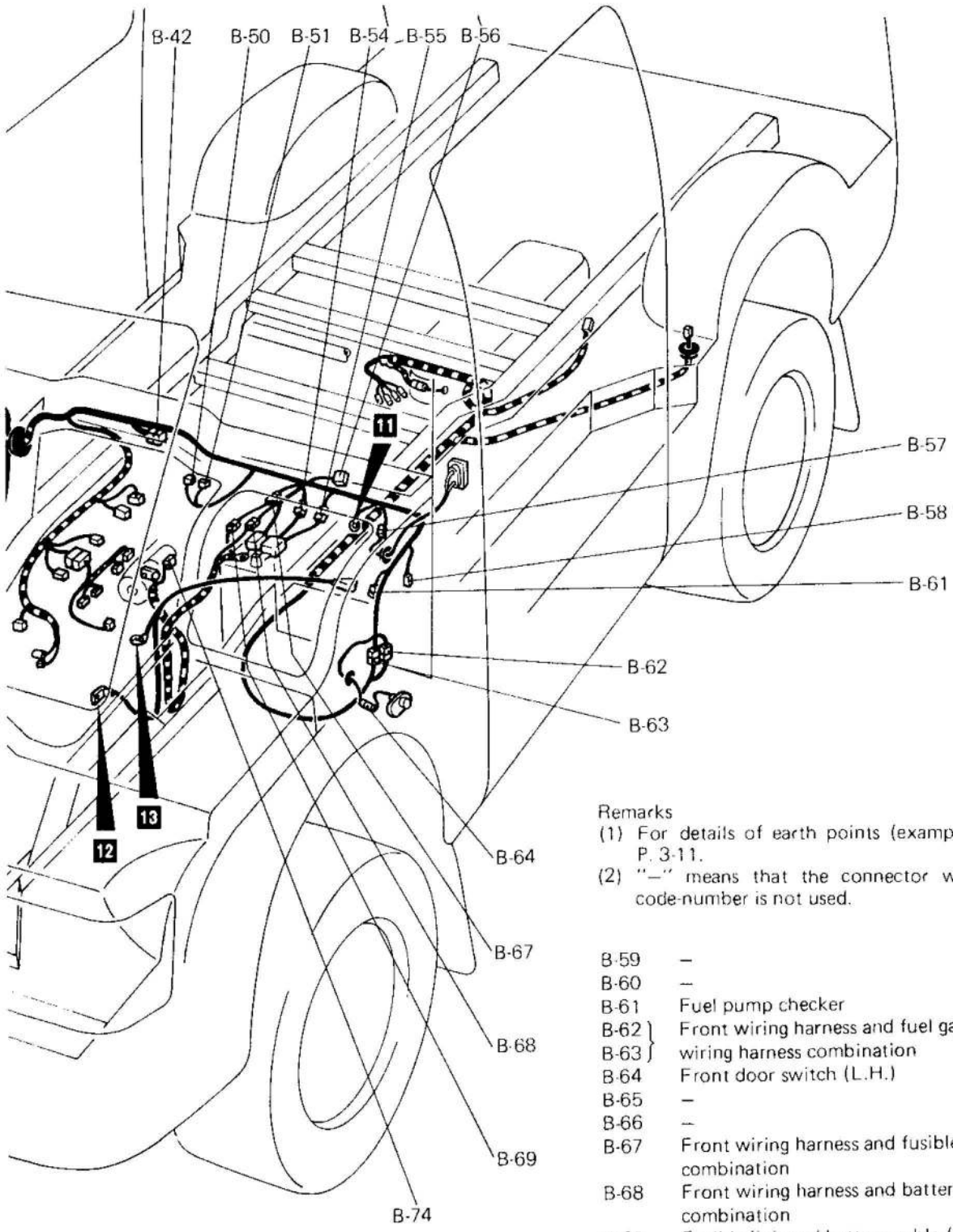
M.P.I. engine

Connector symbol **B** -01 to -76

B-01	—
B-02	—
B-03	—
B-04	—
B-05	—
B-06	Tachometer filter
B-07	—
B-08, B-09, B-10, B-11	Horn
B-12	—
B-13	—
B-14	Oxygen sensor
B-15	Air flow sensor
B-16	Front door switch (R.H.)
B-17, B-18, B-19, B-20, B-21	Front wiring harness and roof wiring harness combination
B-22	Contact switch (Vehicles with a central locking system)
B-23	—
B-24	—
B-25, B-26	M.P.I. control unit
B-27	—
B-28	—
B-29	—
B-30	—
B-31	—
B-32	—
B-33	—
B-34	—
B-35	—
B-36	—
B-37	—
B-38	—
B-39	—
B-40	—
B-41	—
B-42	Connector for ignition timing adjustment
B-43	—
B-44	—
B-45	—
B-46	—
B-47	—
B-48	—
B-49	—
B-50	Purge solenoid valve



B-51	Fuel pressure solenoid valve
B-52	—
B-53	—
B-54, B-55	Front wiring harness and fusible link combination



36G0026

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

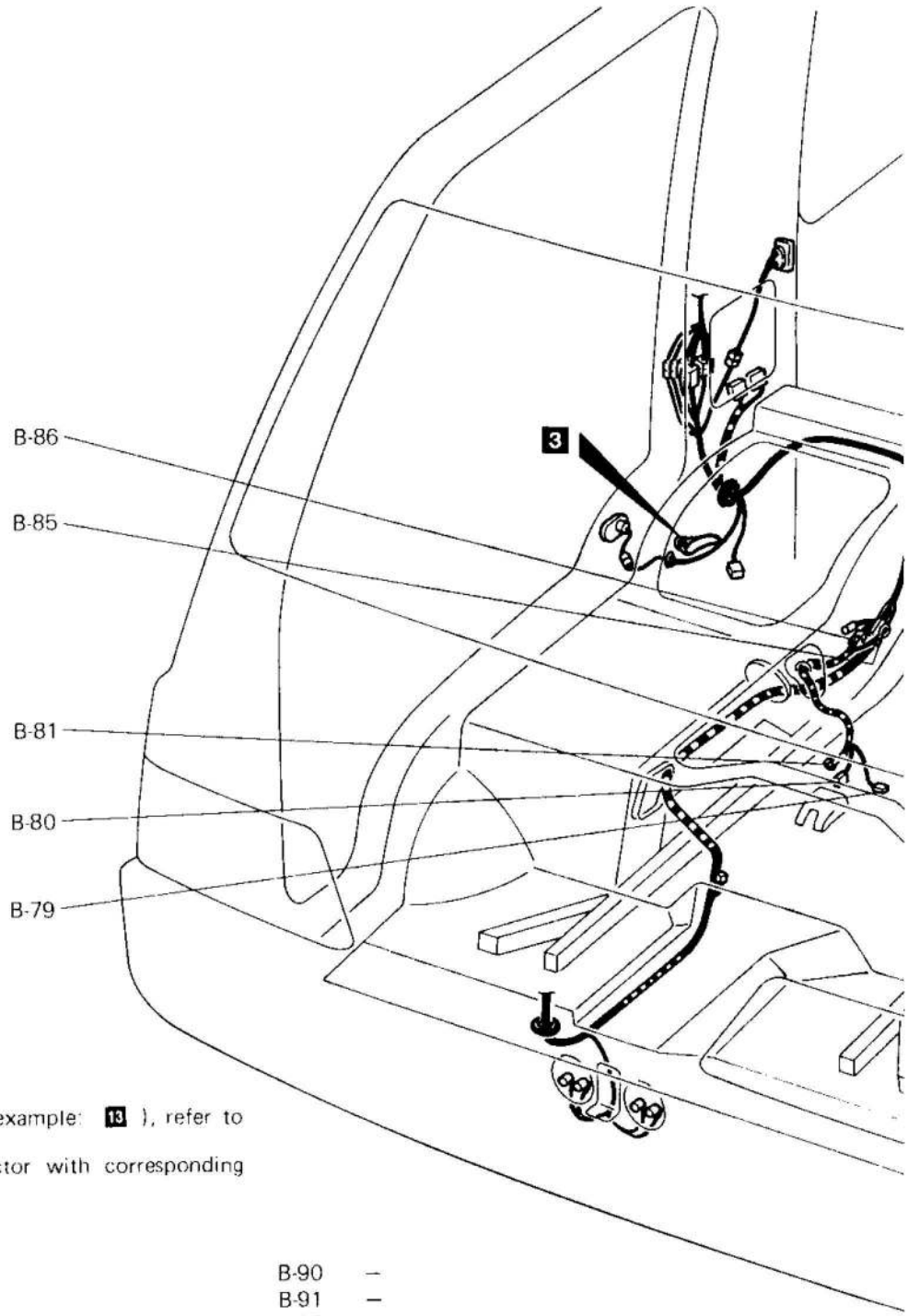
B-56	Resistor
B-57	Contact switch (Vehicles with a central locking system)
B-58	Headlamp washer motor

B-59	–
B-60	–
B-61	Fuel pump checker
B-62, B-63	Front wiring harness and fuel gauge wiring harness combination
B-64	Front door switch (L.H.)
B-65	–
B-66	–
B-67	Front wiring harness and fusible link combination
B-68	Front wiring harness and battery cable (+) combination
B-69	Fusible link and battery cable (+) combination
B-70	–
B-71	–
B-72	–
B-73	–
B-74	Starter
B-75	–
B-76	–

3-4 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

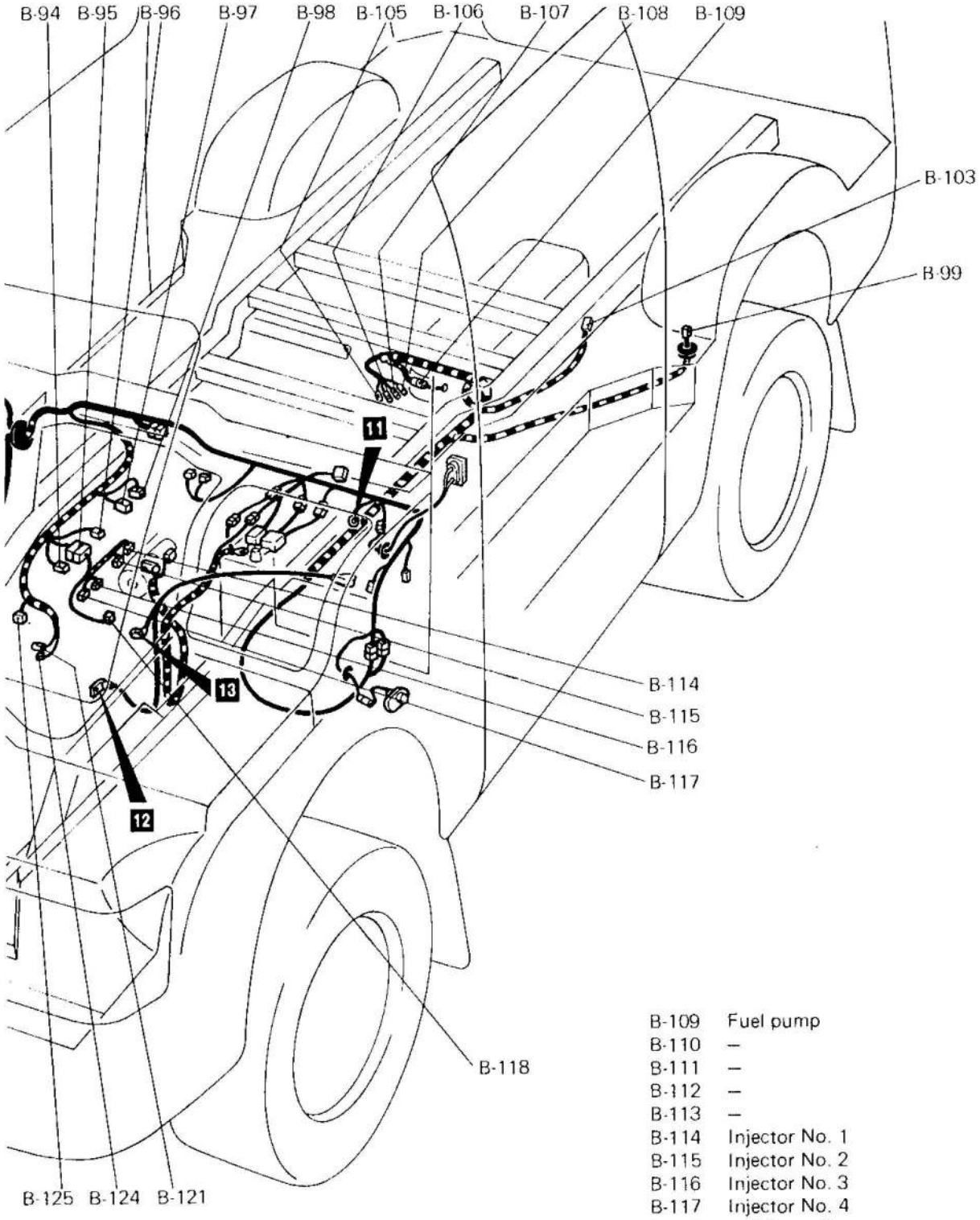
M.P.I. engine

Connector symbol **B -77 to -125**



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

B-77	—
B-78	—
B-79	Oil pressure switch
B-80, B-81	Alternator
B-82	—
B-83	—
B-84	—
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	—
B-88	—
B-89	—
B-90	—
B-91	—
B-92	—
B-93	—
B-94	Motor position sensor
B-95	Front wiring harness and engine wiring harness combination
B-96	Throttle position sensor
B-97	Engine oil level sensor
B-98	Idle speed control unit
B-99	Rear heater blower motor
B-100	—
B-101	—



36G0026

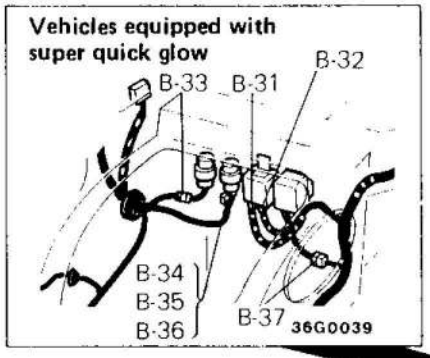
B-102 –
B-103 Fuel gauge unit
B-104 –
B-105, B-106 Back-up lamp switch
B-107, B-108 4WD indicator lamp switch

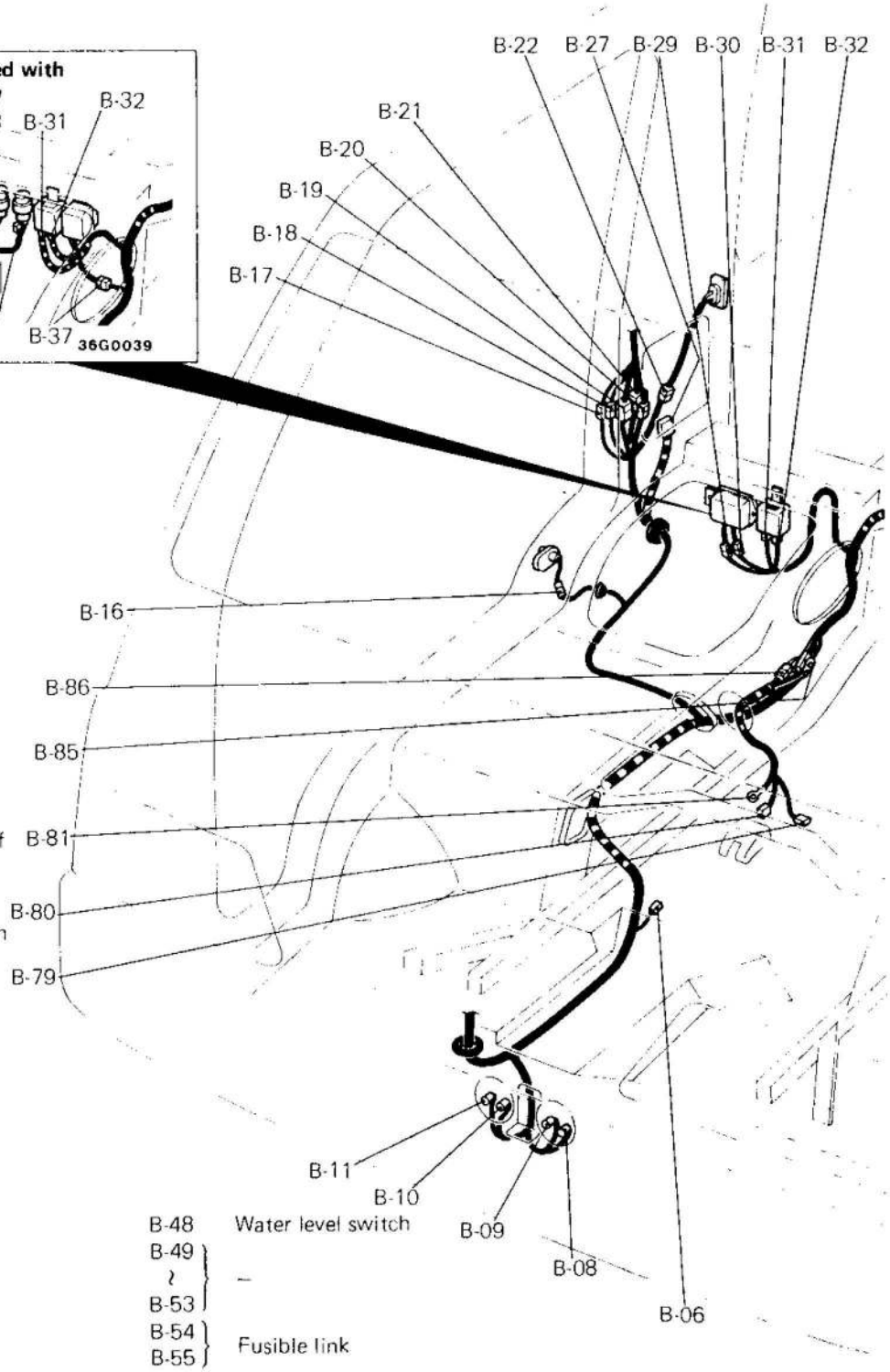
B-109 Fuel pump
B-110 –
B-111 –
B-112 –
B-113 –
B-114 Injector No. 1
B-115 Injector No. 2
B-116 Injector No. 3
B-117 Injector No. 4
B-118 Ignition coil
B-119 –
B-120 –
B-121 Water temperature sensor
B-122 –
B-123 –
B-124 Water temperature gauge unit
B-125 Idle speed control actuator

3-5 ENGINE ROOM · UNDER FLOOR (Vehicles for Europe)

Diesel-powered vehicles

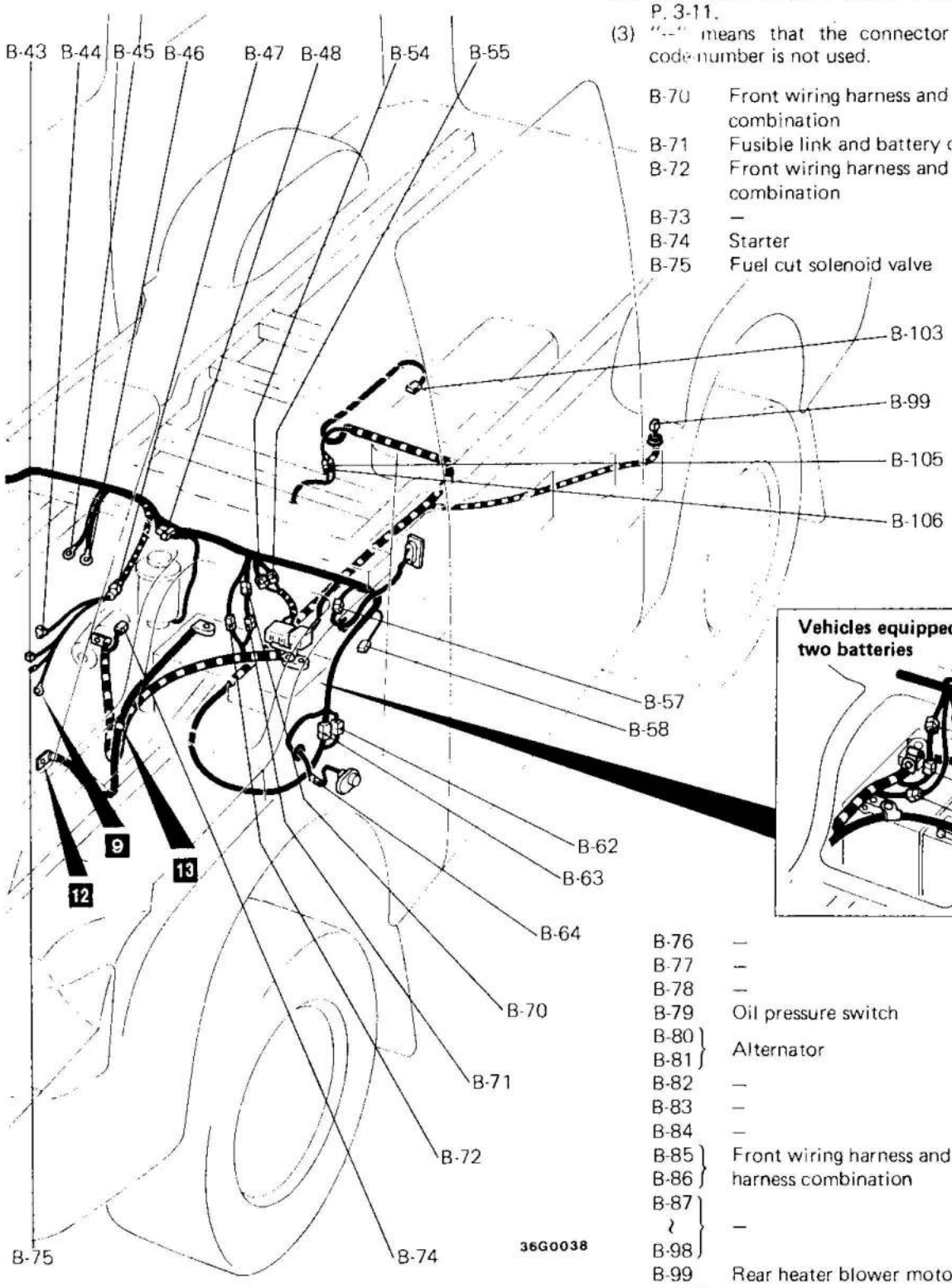
Connector symbol **B**

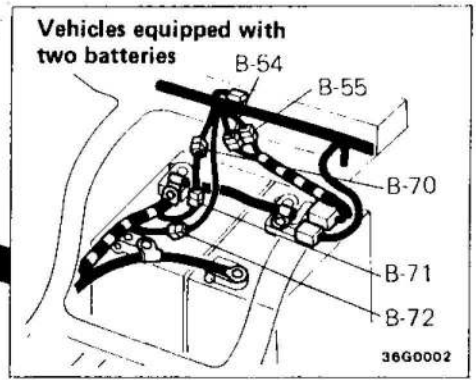




B-01 ~ B-05	—
B-06	Tachometer filter (R. H. drive vehicles)
B-07	—
B-08 ~ B-11	Horn
B-12 ~ B-15	—
B-16	Front door switch (R.H.)
B-17 ~ B-21	Front wiring harness and roof wiring harness combination
B-22	Contact switch (Vehicles with a central locking system)
B-23 ~ B-26	—
B-27	Glow control unit
B-28	—
B-29 ~ B-30	Glow relay
B-31 ~ B-32	Starter relay
B-33	Glow relay (II)
B-34 ~ B-36	Glow relay (I)
B-37	Resistor
B-38 ~ B-42	—
B-43	Revolution pick up
B-44	Water temperature gauge unit
B-45 ~ B-46	Glow plug
B-47	Front wiring harness and injection pump wiring harness combination
B-48	Water level switch
B-49 ~ B-53	—
B-54 ~ B-55	Fusible link
B-56	—
B-57	Contact switch (Vehicles with a central locking system)
B-58	Headlamp washer motor and headlamp washer motor
B-59	—
B-60	—
B-61	—

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(3) "--" means that the connector with corresponding code number is not used.





B-70 Front wiring harness and fusible link combination
B-71 Fusible link and battery cable (+) combination
B-72 Front wiring harness and battery cable (+) combination
B-73 –
B-74 Starter
B-75 Fuel cut solenoid valve

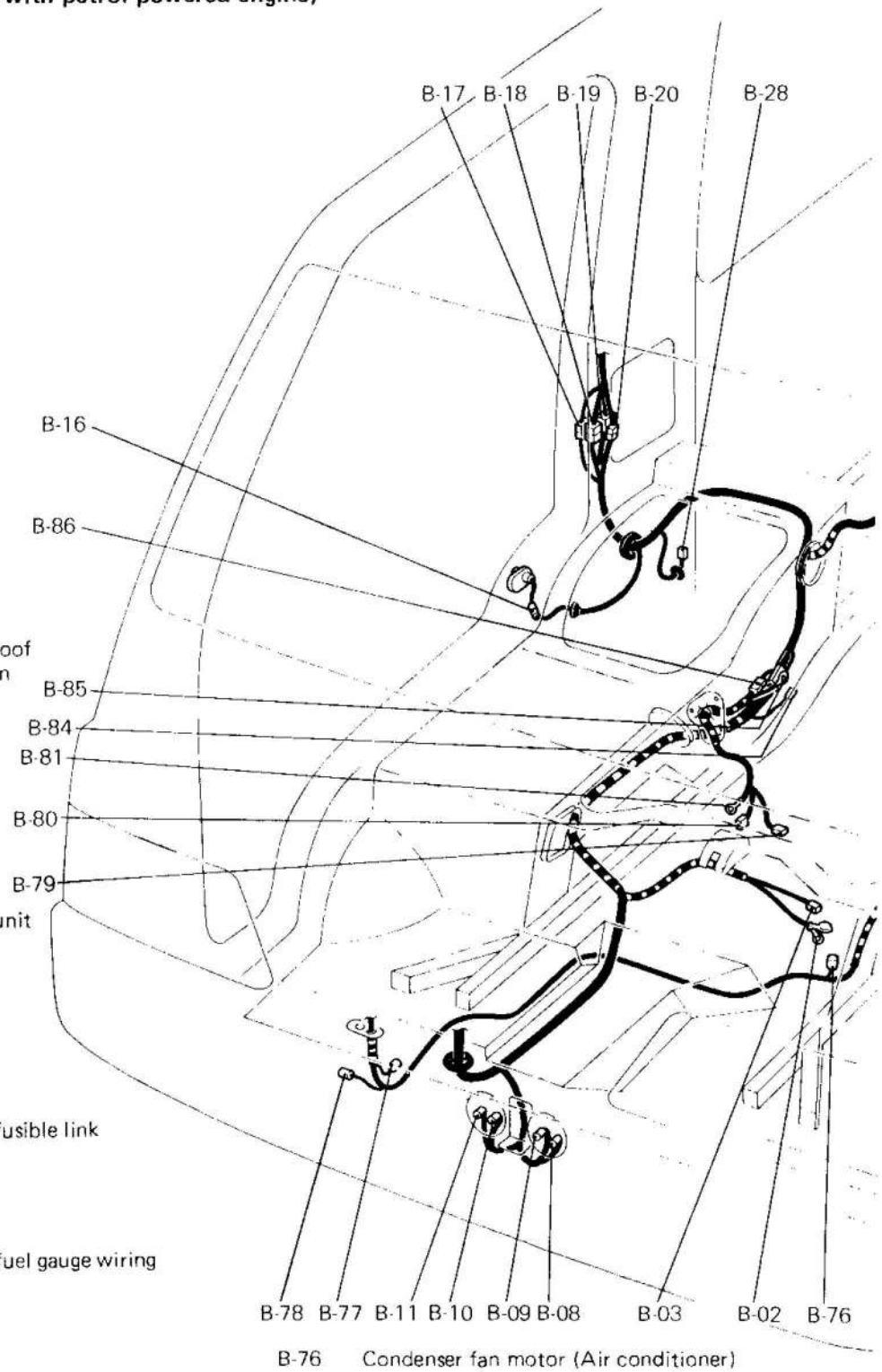
B-62, B-63 Front wiring harness and fuel gauge wiring harness combination
B-64 Front door switch (L.H.)
B-65 ~ B-69 –

B-76 –
B-77 –
B-78 –
B-79 Oil pressure switch
B-80, B-81 Alternator
B-82 –
B-83 –
B-84 –
B-85, B-86 Front wiring harness and engine wiring harness combination
B-87 ~ B-98 –
B-99 Rear heater blower motor
B-100 –
B-101 –
B-102 –
B-103 Fuel gauge unit
B-104 –
B-105, B-106 Back-up lamp switch

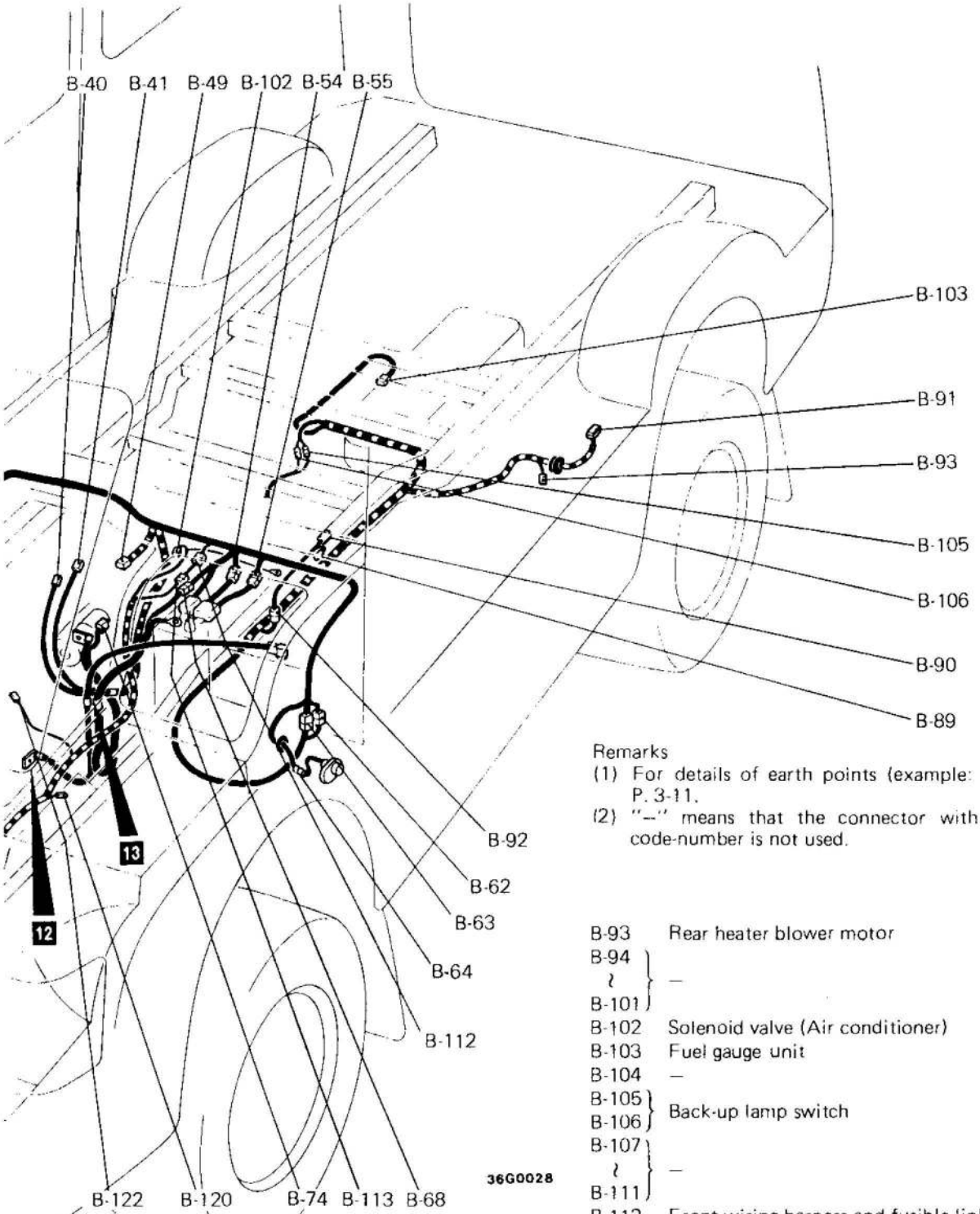
3-6 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export— L.H. drive 2WD vehicles with petrol-powered engine) 4-door models

Connector symbol **B**

B-01 —
B-02, B-03 Ignition coil
B-04 ~ B-07 —
B-08, B-09, B-10, B-11 Horn
B-12 ~ B-15 —
B-16 Front door switch (R.H.)
B-17, B-18, B-19, B-20 Front wiring harness and roof wiring harness combination
B-21 ~ B-27 —
B-28 Step lamp
B-29 ~ B-39 —
B-40 Fuel cut solenoid valve
B-41 Water temperature gauge unit
B-42 ~ B-48 —
B-49 Over vent valve
B-50 ~ B-53 —
B-54, B-55 Front wiring harness and fusible link combination
B-56 ~ B-61 —
B-62, B-63 Front wiring harness and fuel gauge wiring harness combination
B-64 Front door switch (L.H.)
B-65 —
B-66 —
B-67 —
B-68 Front wiring harness and battery cable (+) combination
B-69 ~ B-73 —
B-74 Starter
B-75 —



B-76 Condenser fan motor (Air conditioner)
B-77 Pressure switch (Dual) (Air conditioner)
B-78 Condenser fan motor (Air conditioner)
B-79 Oil pressure switch
B-80, B-81 Alternator
B-82 —
B-83 —
B-84 No connection

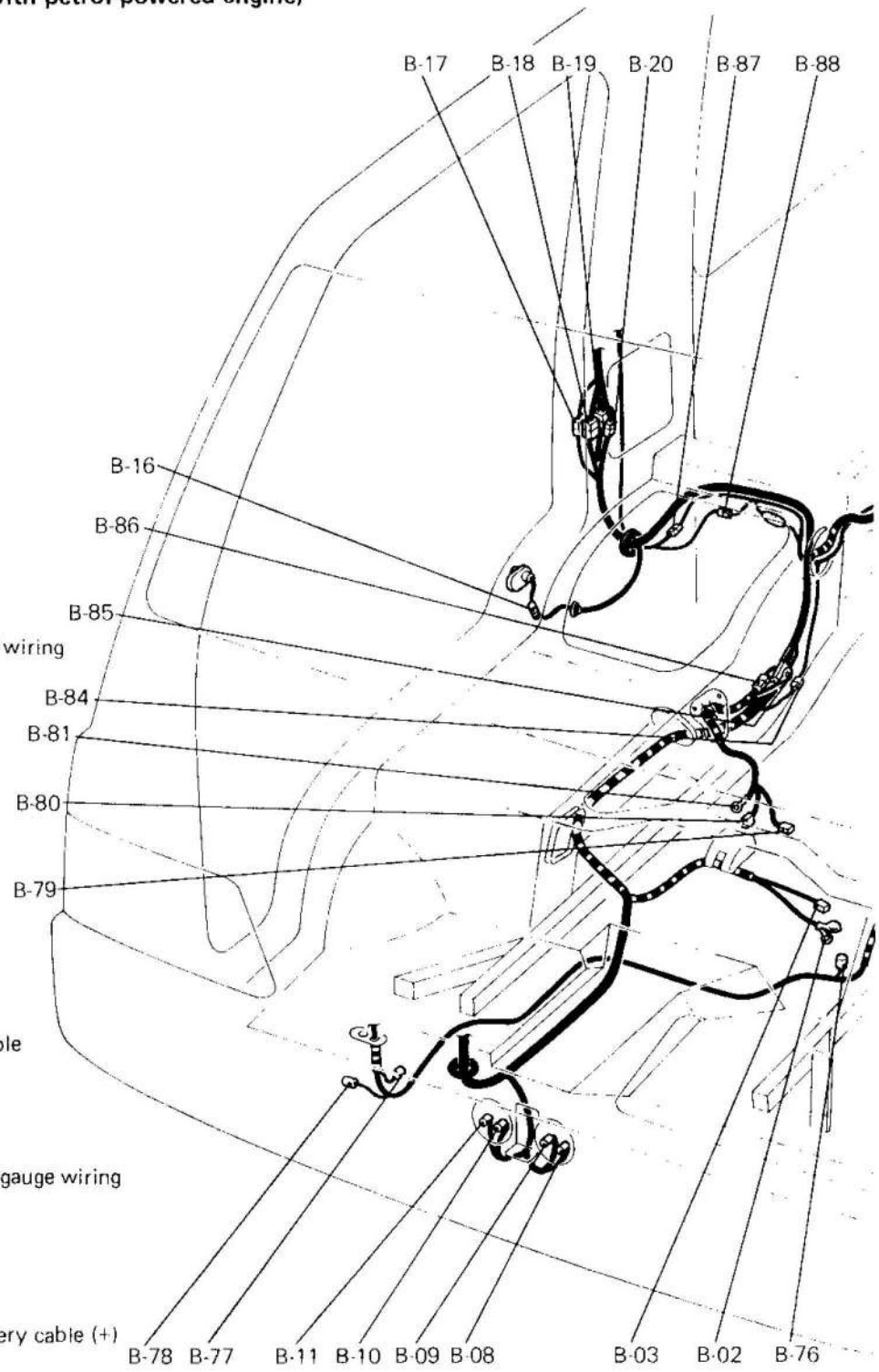


Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

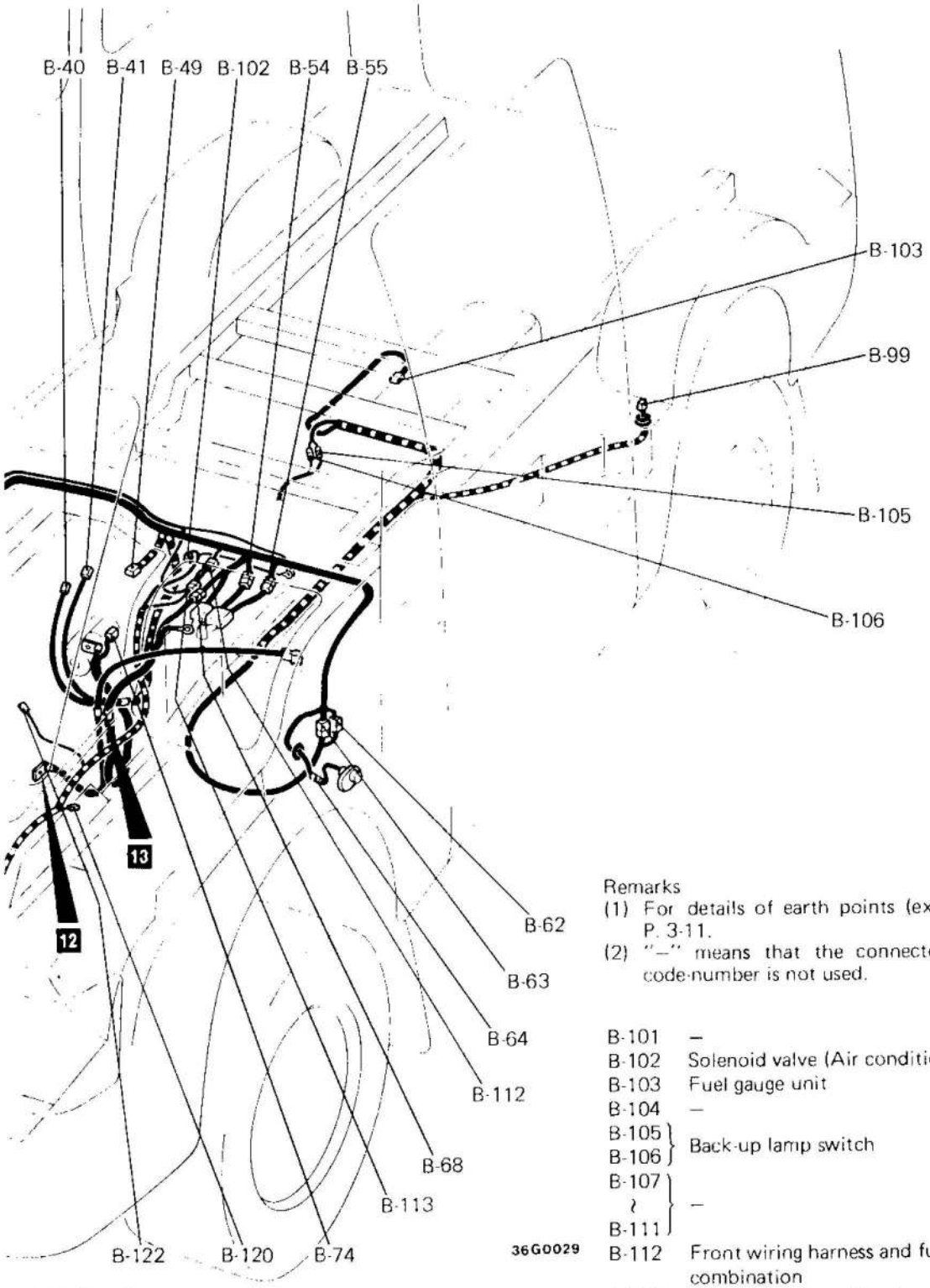
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	–
B-88	–
B-89	Thermistor (Air conditioner)
B-90	Solenoid valve (Air conditioner)
B-91	Frame wiring harness and rear side wiring harness combination
B-92	Frame wiring harness and air conditioner unit wiring harness combination
B-93	Rear heater blower motor
B-94 ~ B-101	–
B-102	Solenoid valve (Air conditioner)
B-103	Fuel gauge unit
B-104	–
B-105, B-106	Back-up lamp switch
B-107 ~ B-111	–
B-112	Front wiring harness and fusible link combination
B-113	Air conditioner wiring harness and fusible link combination
B-114 ~ B-119	–
B-120	Magnet clutch (Air conditioner)
B-121	–
B-122	Water temperature switch (Air conditioner)

3-7 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export— L.H. drive 2WD vehicles with petrol-powered engine) 5-door models

Connector symbol **B**



- B-01 —
- B-02, B-03 Ignition coil
- B-04 ~ B-07 —
- B-08, B-09, B-10, B-11 Horn
- B-12 ~ B-15 —
- B-16 Front door switch (R.H.)
- B-17, B-18, B-19, B-20 Front wiring harness and roof wiring harness combination
- B-21 ~ B-39 —
- B-40 Fuel cut solenoid valve
- B-41 Water temperature gauge unit
- B-42 ~ B-48 —
- B-49 Over vent valve
- B-50 ~ B-53 —
- B-54, B-55 Front wiring harness and fusible link combination
- B-56 ~ B-61 —
- B-62, B-63 Front wiring harness and fuel gauge wiring harness combination
- B-64 Front door switch (L.H.)
- B-65 —
- B-66 —
- B-67 —
- B-68 Front wiring harness and battery cable (+) combination
- B-69 ~ B-73 —
- B-74 Starter
- B-75 —
- B-76 Condenser fan motor (Air conditioner)
- B-77 Pressure switch (Dual) (Air conditioner)
- B-78 Condenser fan motor (Air conditioner)
- B-79 Oil pressure switch
- B-80, B-81 Alternator
- B-82 —
- B-83 —
- B-84 Front wiring harness and air conditioner wiring harness combination
- B-85, B-86 Front wiring harness and engine wiring harness combination



B-87 } Overhead air conditioner wiring harness and
B-88 } air conditioner wiring harness combination
B-89 —
B-90 }
〜 } —
B-98 }
B-99 Rear heater blower motor
B-100 —

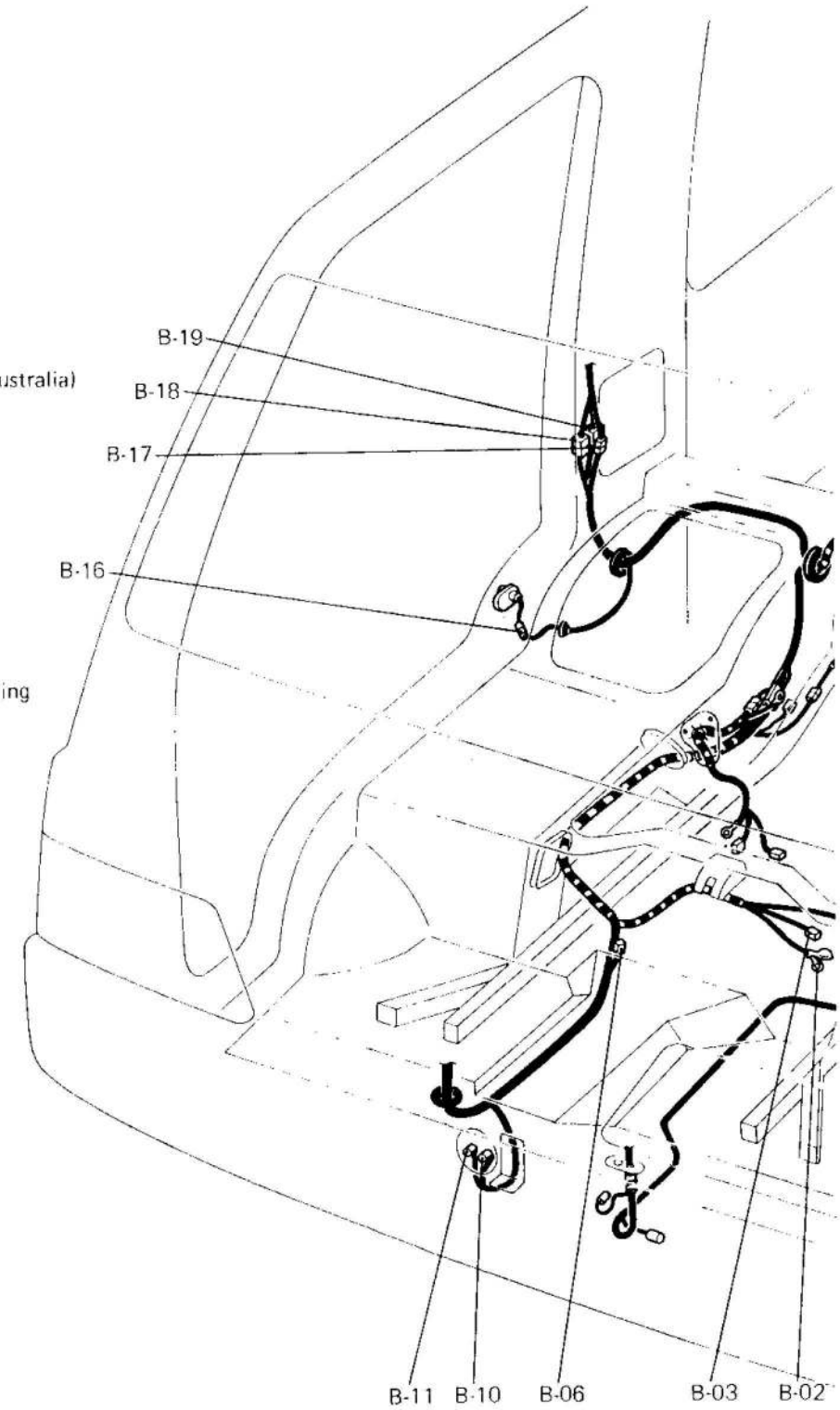
Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

B-101 —
B-102 Solenoid valve (Air conditioner)
B-103 Fuel gauge unit
B-104 —
B-105 }
B-106 } Back-up lamp switch
B-107 }
〜 } —
B-111 }
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 }
〜 } —
B-119 }
B-120 Magnet clutch (Air conditioner)
B-121 —
B-122 Water temperature switch (Air conditioner)

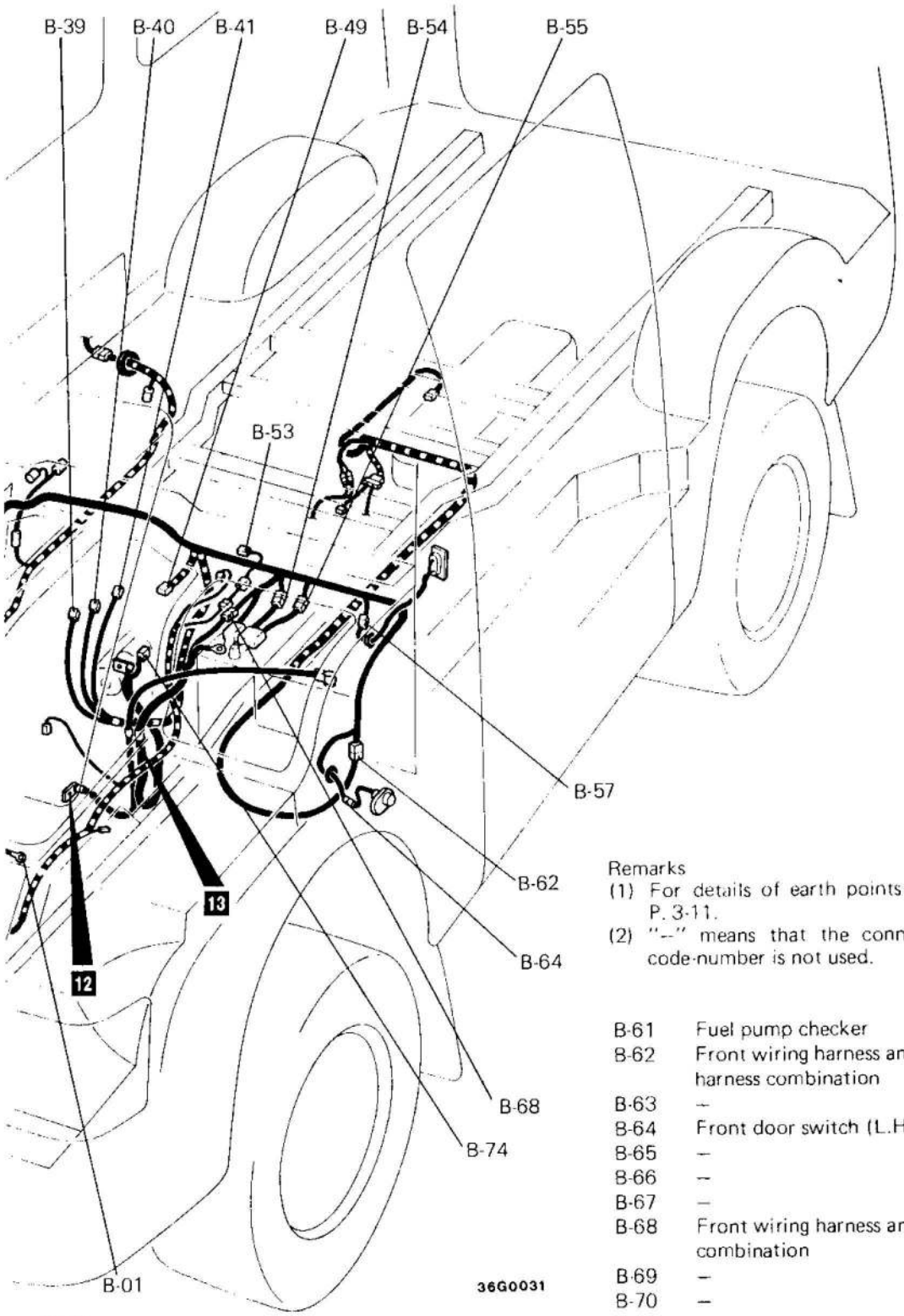
3-8 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export — R.H. drive 2WD vehicles with petrol-powered engine · Vehicles for Australia — Vehicles other than 2WD with M.P.I. engine)

4-door models

Connector symbol **B -01 to -76**



B-01, B-02, B-03	Ignition coil
B-04	—
B-05	—
B-06	Tachometer filter (Vehicles for Australia)
B-07	—
B-08	—
B-09	—
B-10, B-11	Horn
B-12	—
B-13	—
B-14	—
B-15	—
B-16	Front door switch (R.H.)
B-17, B-18, B-19	Front wiring harness and roof wiring harness combination
B-20	—
B-21	—
B-22	—
B-23	—
B-24	—
B-25	—
B-26	—
B-27	—
B-28	—
B-29	—
B-30	—
B-31	—
B-32	—
B-33	—
B-34	—
B-35	—
B-36	—
B-37	—
B-38	—
B-39	Thermo switch
B-40	Fuel cut solenoid valve
B-41	Water temperature gauge unit
B-42	—
B-43	—
B-44	—
B-45	—
B-46	—
B-47	—
B-48	—
B-49	Over vent valve
B-50	—
B-51	—
B-52	—
B-53	Vacuum switch
B-54, B-55	Front wiring harness and fusible link combination



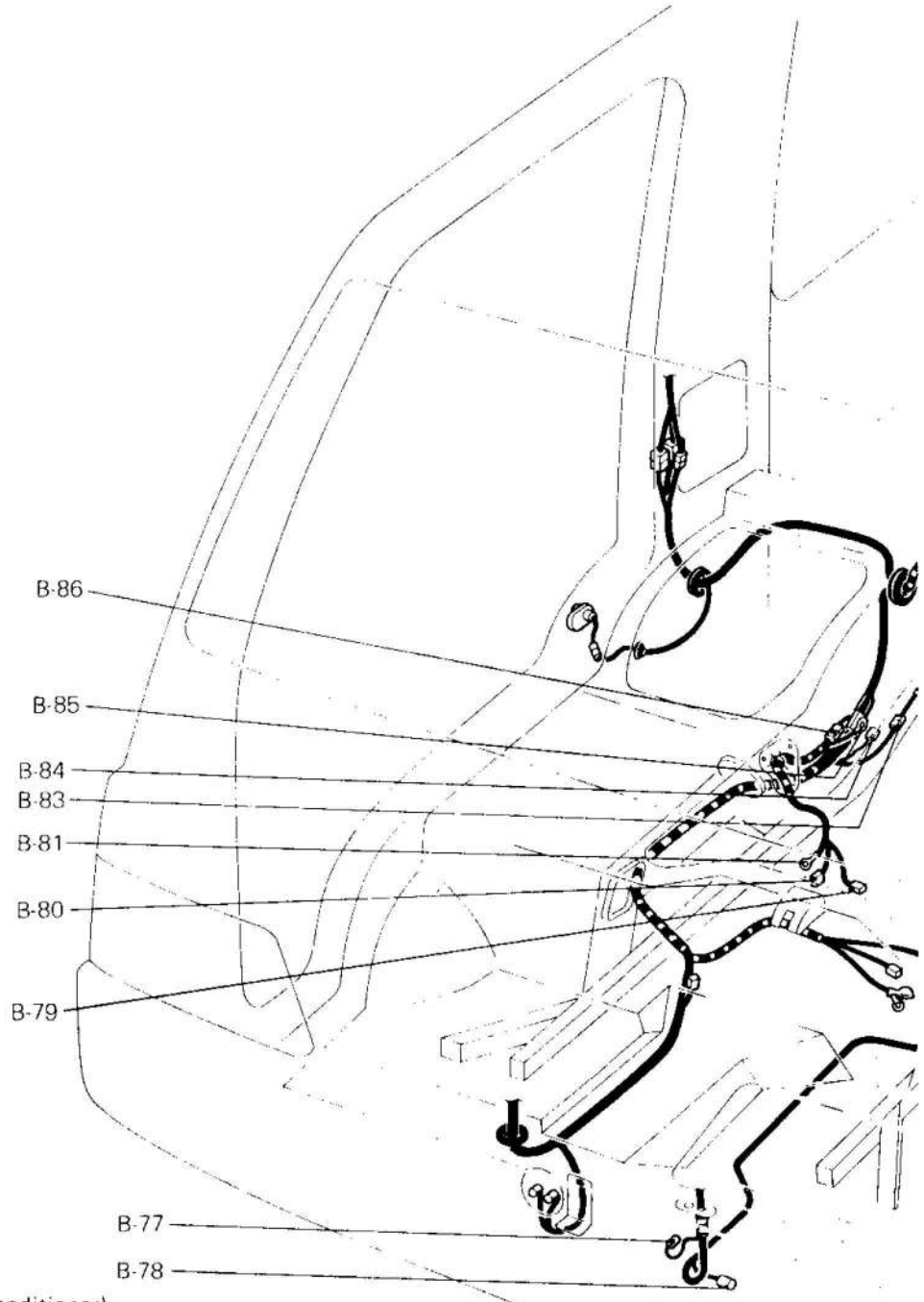
B-56 –
B-57 Contact switch (Vehicles with a central locking system)
B-58 –
B-59 –
B-60 –

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

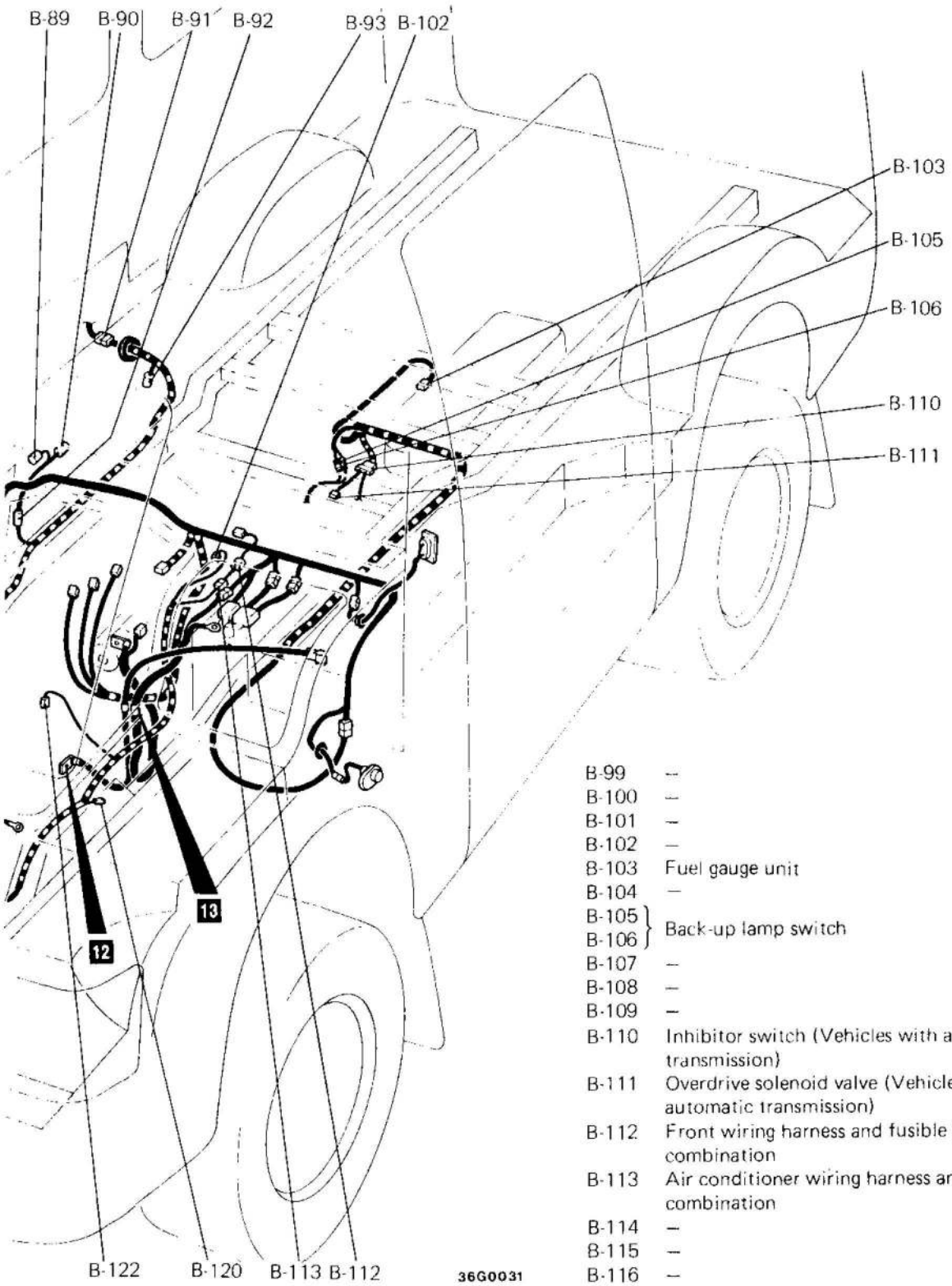
B-61 Fuel pump checker
B-62 Front wiring harness and fuel gauge wiring harness combination
B-63 –
B-64 Front door switch (L.H.)
B-65 –
B-66 –
B-67 –
B-68 Front wiring harness and battery cable (+) combination
B-69 –
B-70 –
B-71 –
B-72 –
B-73 –
B-74 Starter
B-75 –
B-76 –

3-8 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export — R.H. drive 2WD vehicles with petrol-powered engine · Vehicles for Australia — Vehicles other than 2WD with M.P.I. engine) 4-door models

Connector symbol
B -77 to -122



B-77	Pressure switch (Dual) (Air conditioner)
B-78	Condenser fan motor (Air conditioner)
B-79	Oil pressure switch
B-80, B-81	Alternator
B-82	—
B-83	Front wiring harness and rear heater wiring harness combination
B-84	No connection
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	—
B-88	—
B-89	Thermistor (Air conditioner)
B-90	Solenoid valve (Air conditioner)
B-91	Frame wiring harness and rear side wiring harness combination
B-92	Frame wiring harness and air conditioner unit wiring harness combination
B-93	Rear heater blower motor
B-94	—
B-95	—
B-96	—
B-97	—
B-98	—



B-99	–
B-100	–
B-101	–
B-102	–
B-103	Fuel gauge unit
B-104	–
B-105, B-106	Back-up lamp switch
B-107	–
B-108	–
B-109	–
B-110	Inhibitor switch (Vehicles with an automatic transmission)
B-111	Overdrive solenoid valve (Vehicles with an automatic transmission)
B-112	Front wiring harness and fusible link combination
B-113	Air conditioner wiring harness and fusible link combination
B-114	–
B-115	–
B-116	–
B-117	–
B-118	–
B-119	–
B-120	Magnet clutch (Air conditioner)
B-121	–
B-122	Water temperature switch (Air conditioner)

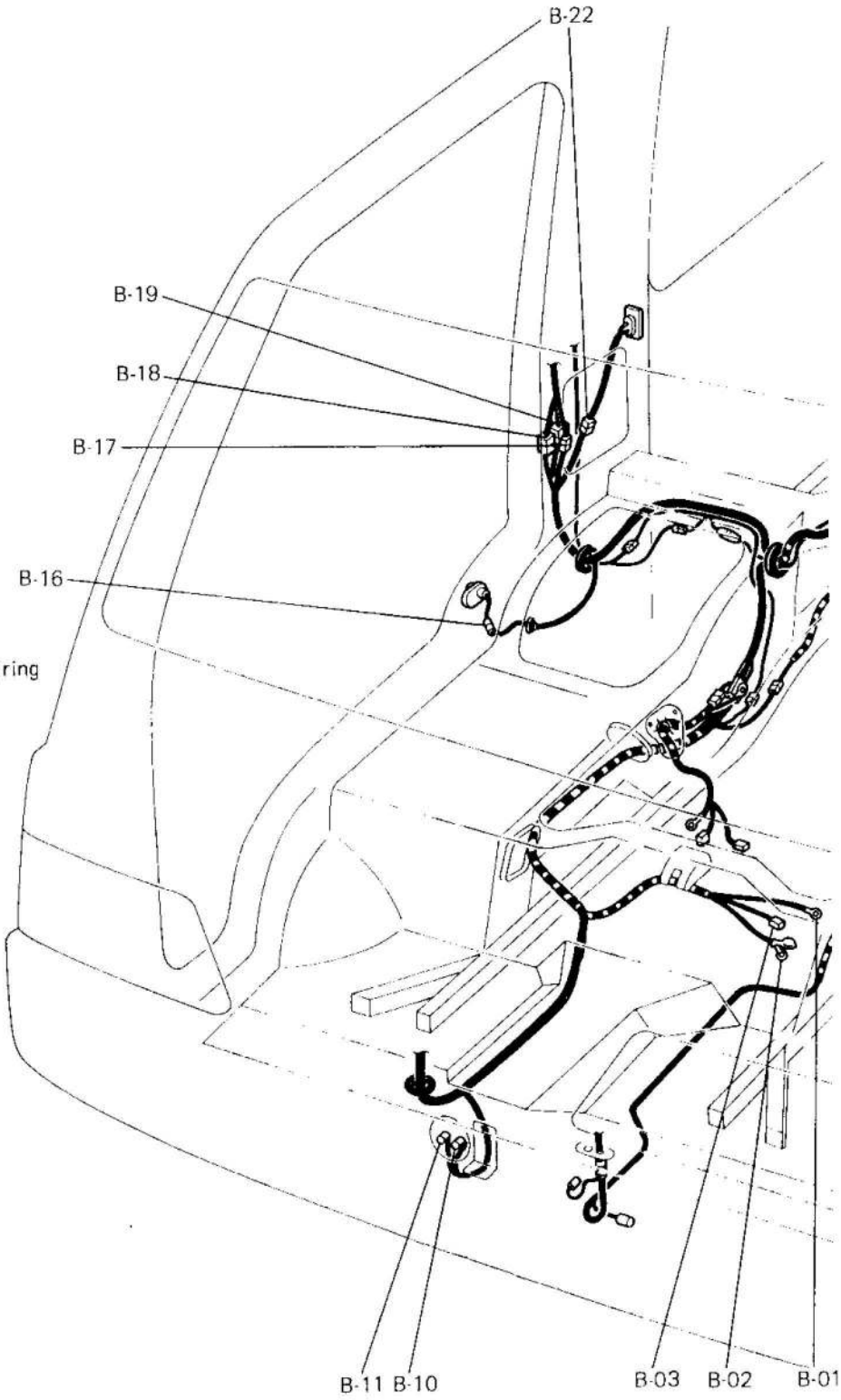
Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

3-9 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export — R.H. drive 2WD vehicles with petrol-powered engine · Vehicles for Australia — Vehicles other than 2WD with M.P.I. engine)

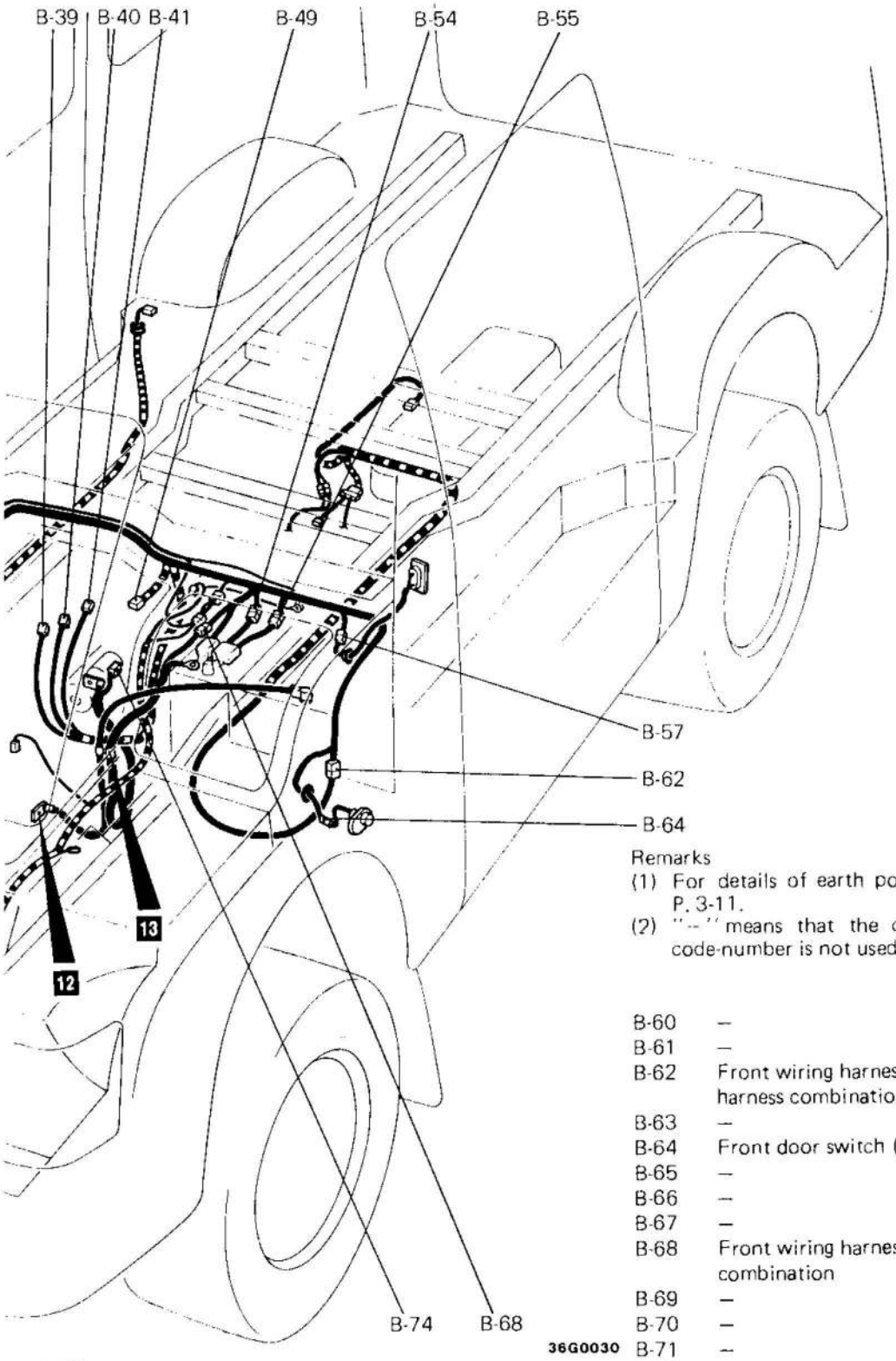
5-door models

Connector symbol **B -01 to -76**

B-01, B-02, B-03 } Ignition coil
B-04 —
B-05 —
B-06 —
B-07 —
B-08 —
B-09 —
B-10, B-11 } Horn
B-12 —
B-13 —
B-14 —
B-15 —
B-16 Front door switch (R.H.)
B-17, B-18, B-19 } Front wiring harness and roof wiring harness combination
B-20 —
B-21 —
B-22 Contact switch (Vehicles with a central locking system)
B-23 —
B-24 —
B-25 —
B-26 —
B-27 —
B-28 —
B-29 —
B-30 —
B-31 —
B-32 —
B-33 —
B-34 —
B-35 —
B-36 —
B-37 —
B-38 —
B-39 Thermo switch
B-40 Fuel cut solenoid valve
B-41 Water temperature gauge unit
B-42 —
B-43 —
B-44 —
B-45 —
B-46 —
B-47 —
B-48 —
B-49 Over vent valve
B-50 —



B-51 —
B-52 —
B-53 —
B-54, B-55 } Front wiring harness and fusible link combination



B-56 –
B-57 Contact switch (Vehicles with a central locking system)
B-58 –
B-59 –

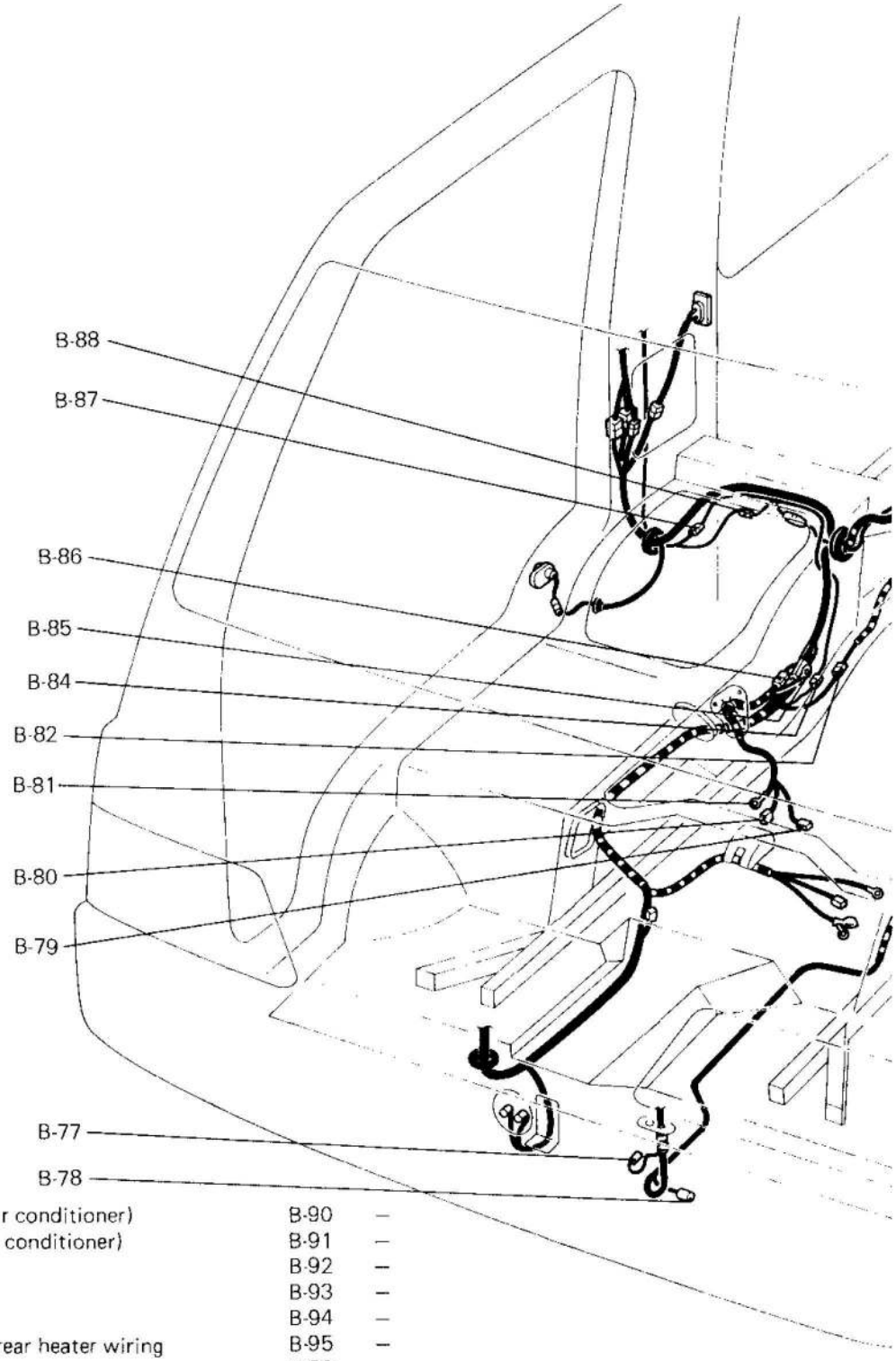
Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

B-60 –
B-61 –
B-62 Front wiring harness and fuel gauge wiring harness combination
B-63 –
B-64 Front door switch (L.H.)
B-65 –
B-66 –
B-67 –
B-68 Front wiring harness and battery cable (+) combination
B-69 –
B-70 –
B-71 –
B-72 –
B-73 –
B-74 Starter
B-75 –
B-76 –

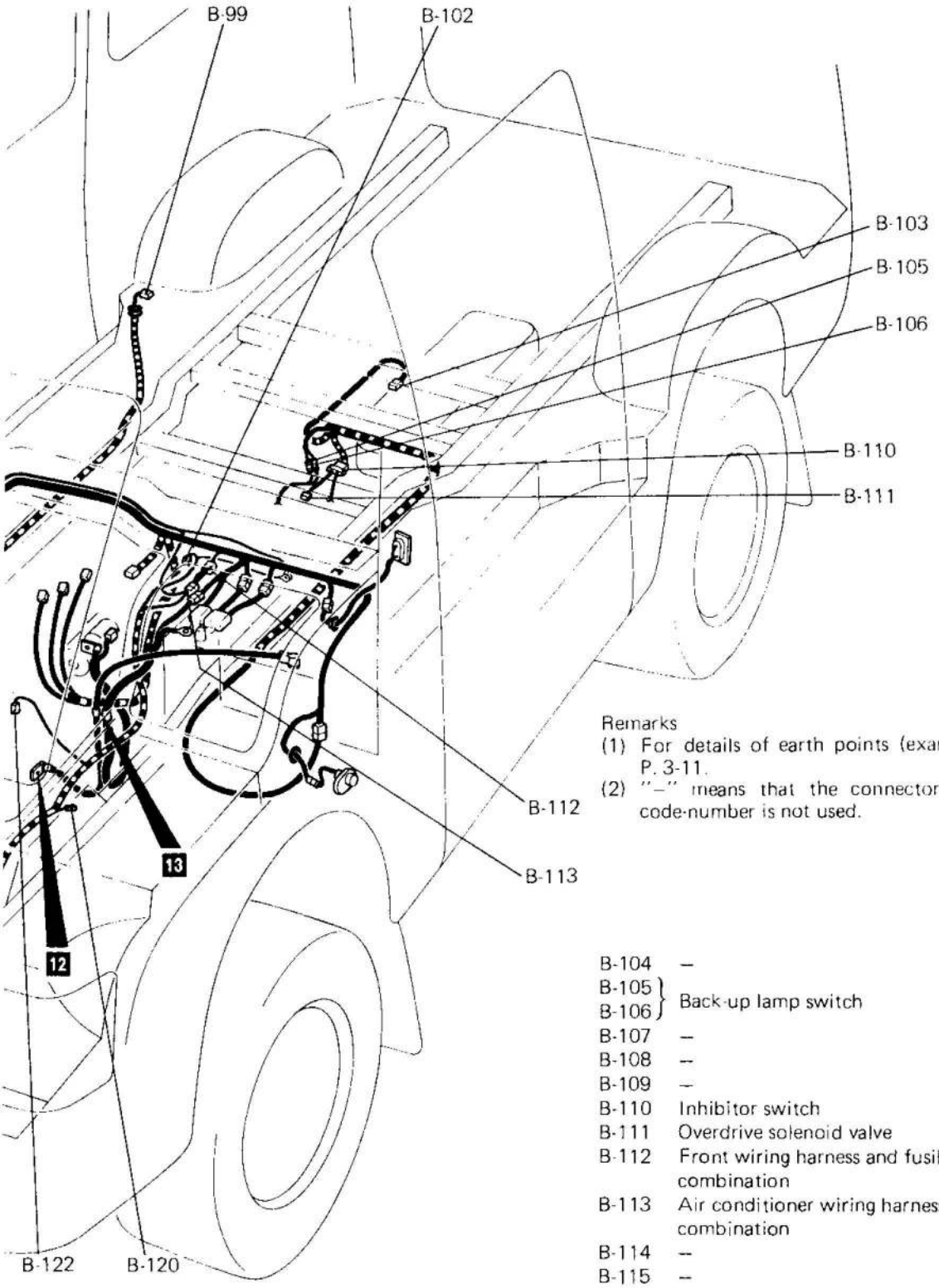
3-9 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export — R.H. drive 2WD vehicles with petrol-powered engine · Vehicles for Australia — Vehicles other than 2WD with M.P.I. engine)

5-door models

Connector symbol
B -77 to -122



B-77	Pressure switch (Dual) (Air conditioner)	B-90	—
B-78	Condenser fan motor (Air conditioner)	B-91	—
B-79	Oil pressure switch	B-92	—
B-80, B-81	Alternator	B-93	—
		B-94	—
B-82	Front wiring harness and rear heater wiring harness combination	B-95	—
		B-96	—
B-83	—	B-97	—
B-84	Front wiring harness and air conditioner wiring harness combination	B-98	—
		B-99	Rear heater blower motor
B-85, B-86	Front wiring harness and engine wiring harness combination	B-100	—
		B-101	—
B-87, B-88	Overhead air conditioner wiring harness and air-conditioner wiring harness combination	B-102	Solenoid valve (Air conditioner)
		B-103	Fuel gauge unit
B-89	—		



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

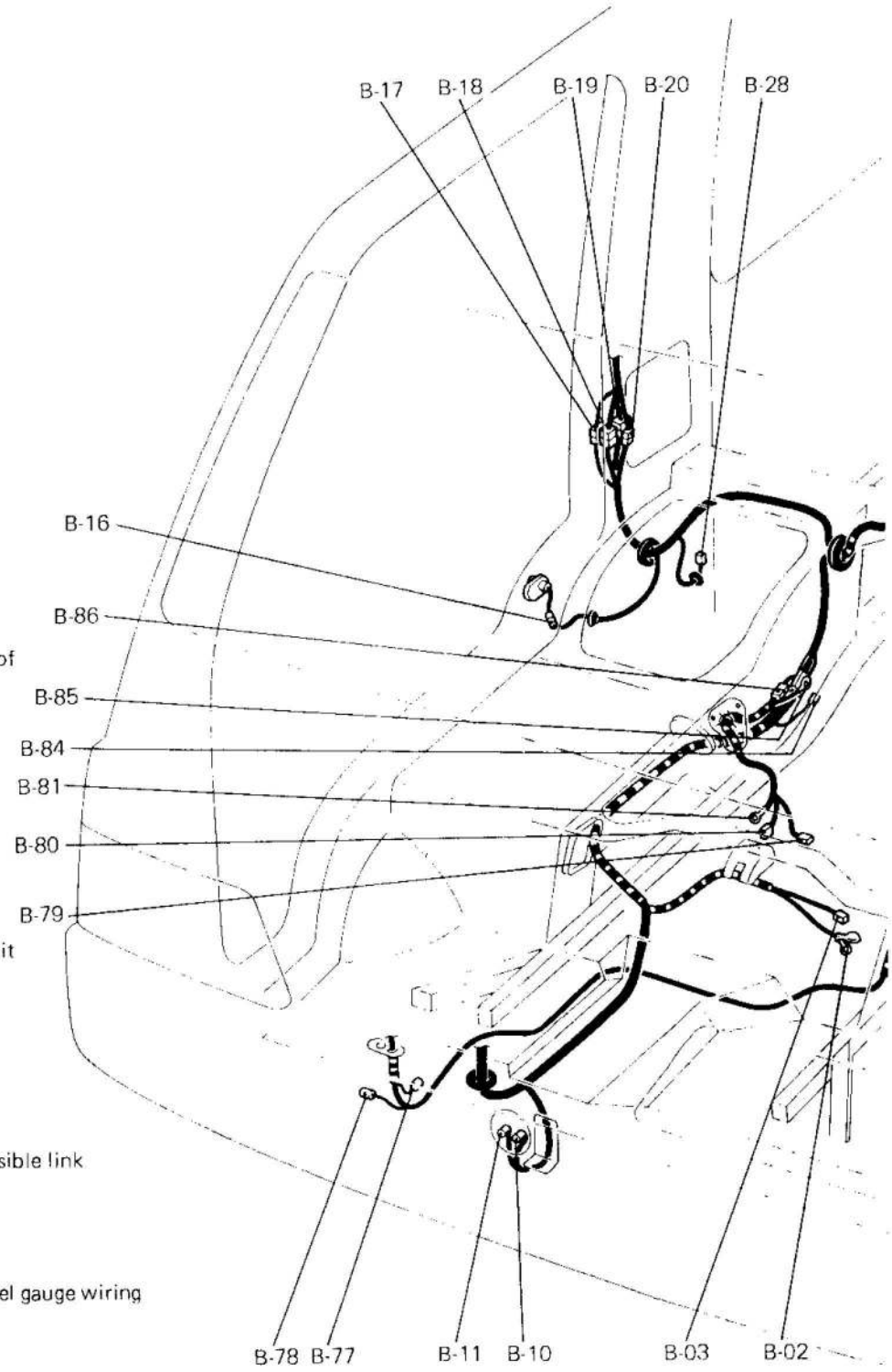
B-104	–
B-105, B-106	Back-up lamp switch
B-107	–
B-108	–
B-109	–
B-110	Inhibitor switch
B-111	Overdrive solenoid valve
B-112	Front wiring harness and fusible link combination
B-113	Air conditioner wiring harness and fusible link combination
B-114	–
B-115	–
B-116	–
B-117	–
B-118	–
B-119	–
B-120	Magnet clutch (Air conditioner)
B-121	–
B-122	Water temperature switch (Air conditioner)

36G0030

3-10 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export)

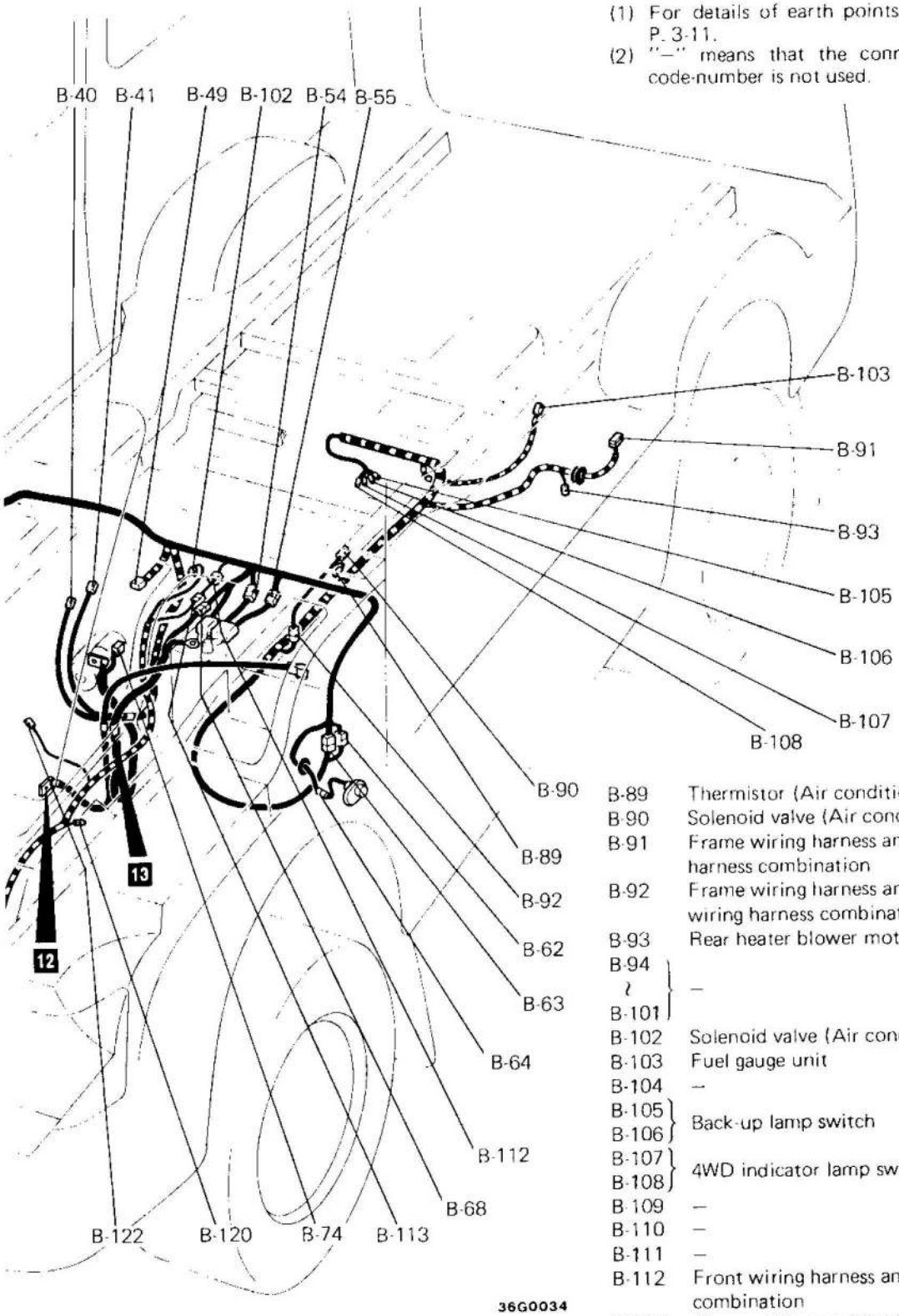
L.H. drive 4WD vehicles

Connector symbol **B**



B-01 —
B-02, B-03 Ignition coil
B-04 ~ B-09 —
B-10, B-11 Horn
B-12 ~ B-15 —
B-16 Front door switch (R.H.)
B-17, B-18, B-19, B-20 Front wiring harness and roof wiring harness combination
B-21 ~ B-27 —
B-28 Step lamp
B-29 ~ B-39 —
B-40 Fuel cut solenoid valve
B-41 Water temperature gauge unit
B-42 ~ B-48 —
B-49 Over vent valve
B-50 ~ B-53 —
B-54, B-55 Front wiring harness and fusible link combination
B-56 ~ B-61 —
B-62, B-63 Front wiring harness and fuel gauge wiring harness combination
B-64 Front door switch (L.H.)
B-65 —
B-66 —
B-67 —
B-68 Front wiring harness and battery cable (+) combination
B-69 ~ B-73 —
B-74 Starter
B-75 —
B-76 —
B-77 Pressure switch (Dual) (Air conditioner)
B-78 Condenser fan motor (Air conditioner)
B-79 Oil pressure switch
B-80, B-81 Alternator
B-82 —
B-83 —
B-84 No connection

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.



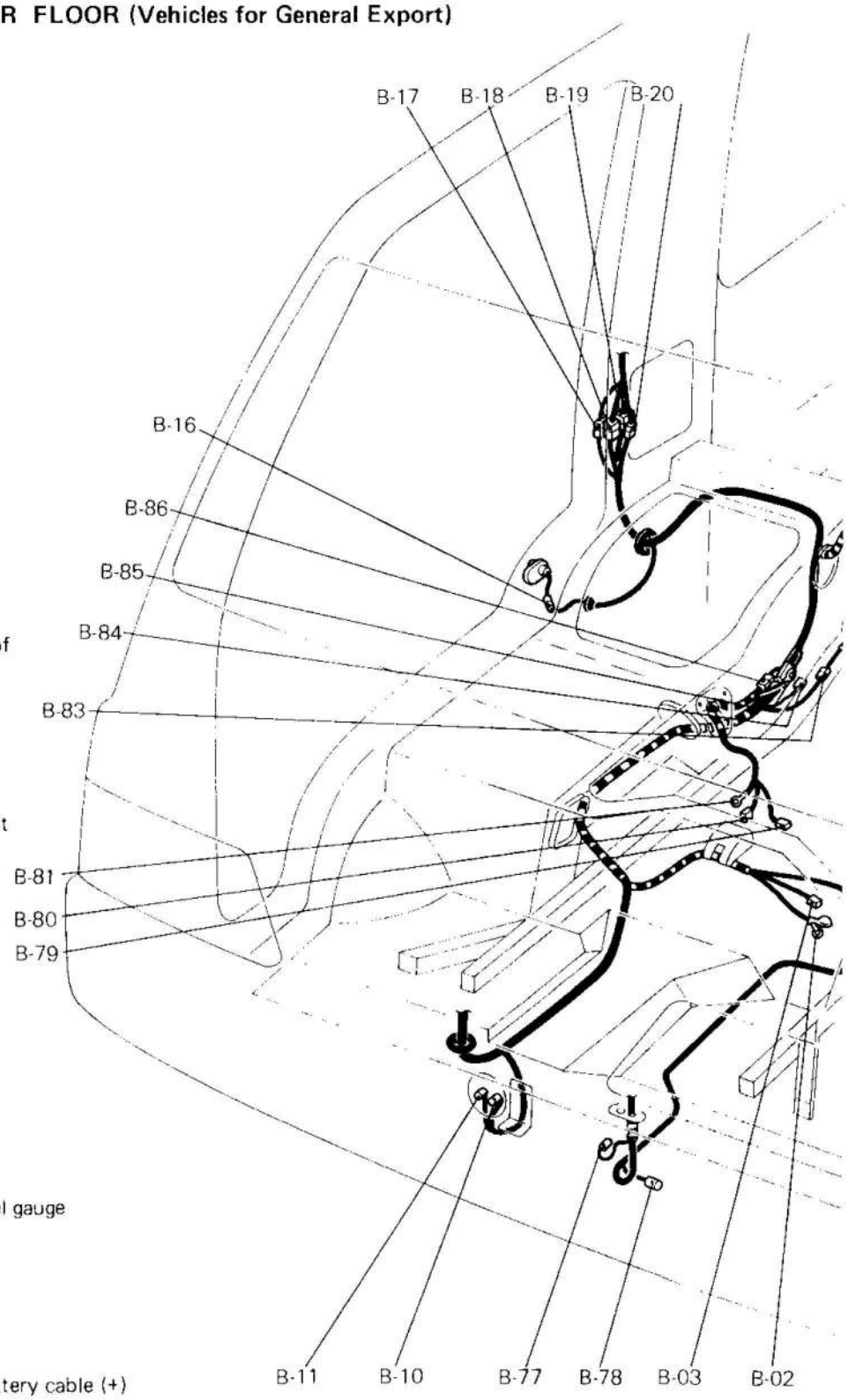
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	—
B-88	—
B-89	Thermistor (Air conditioner)
B-90	Solenoid valve (Air conditioner)
B-91	Frame wiring harness and rear side wiring harness combination
B-92	Frame wiring harness and air conditioner unit wiring harness combination
B-93	Rear heater blower motor
B-94 ~ B-101	—
B-102	Solenoid valve (Air conditioner)
B-103	Fuel gauge unit
B-104	—
B-105, B-106	Back-up lamp switch
B-107, B-108	4WD indicator lamp switch
B-109	—
B-110	—
B-111	—
B-112	Front wiring harness and fusible link combination
B-113	Air conditioner wiring harness and fusible link combination
B-114 ~ B-119	—
B-120	Magnet clutch (Air conditioner)
B-121	—
B-122	Water temperature switch (Air conditioner)

3-11 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export)

R.H. drive 4WD vehicles

Connector symbol **B**

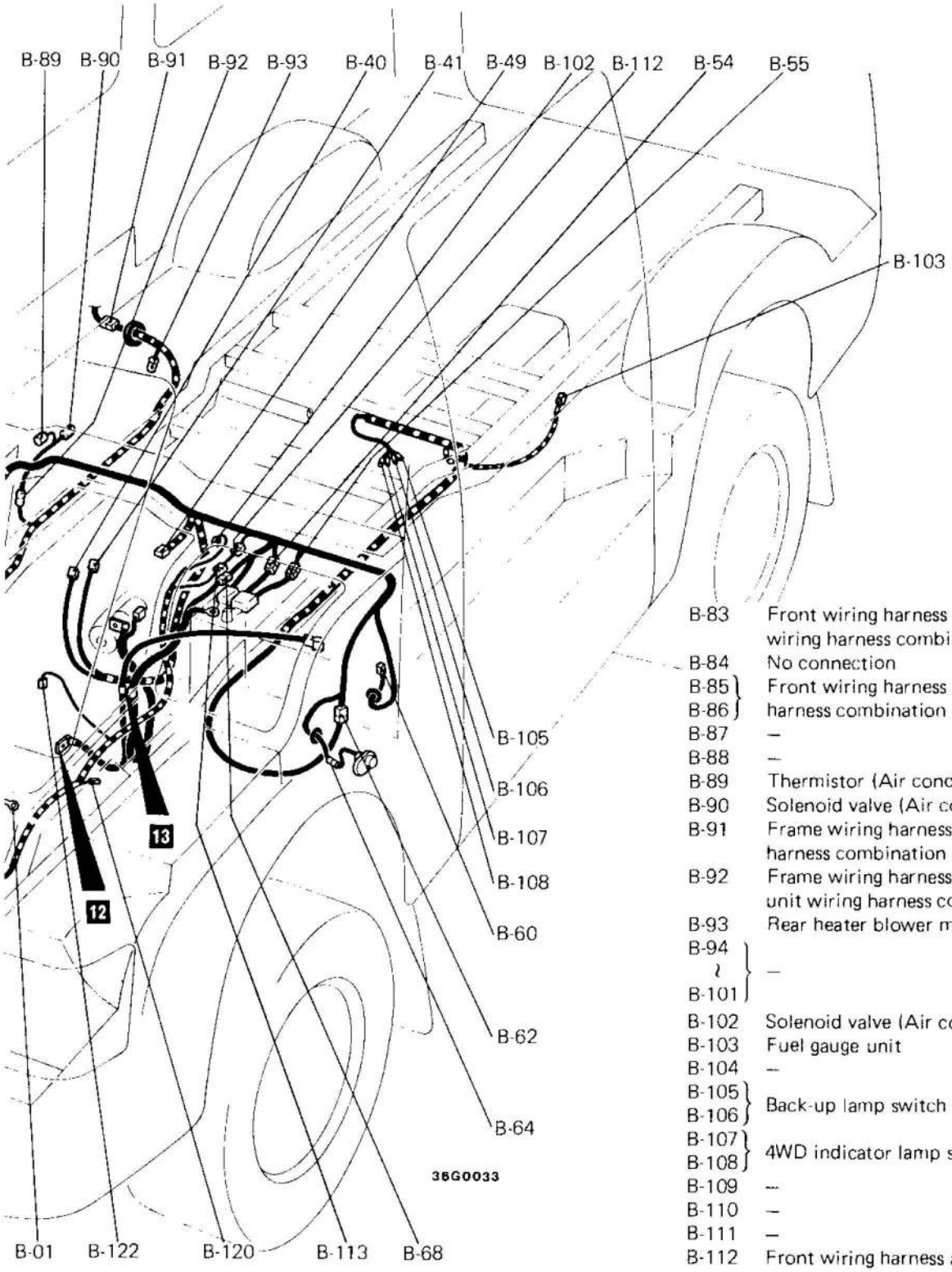
B-01 ~ B-03	Ignition coil
B-04 ~ B-09	—
B-10, B-11	Horn
B-12 ~ B-15	—
B-16	Front door switch (R.H.)
B-17 ~ B-20	Front wiring harness and roof wiring harness combination
B-21 ~ B-39	—
B-40	Fuel cut solenoid valve
B-41	Water temperature gauge unit
B-42 ~ B-48	—
B-49	Over vent valve
B-50 ~ B-53	—
B-54, B-55	Front wiring harness and fusible link combination
B-56 ~ B-59	—
B-60	Step lamp
B-61	—
B-62	Front wiring harness and fuel gauge wiring harness combination
B-63	—
B-64	Front door switch (L.H.)
B-65	—
B-66	—
B-67	—
B-68	Front wiring harness and battery cable (+) combination
B-69 ~ B-76	—



Remarks

(1) For details of earth points (example: 13), refer to P. 3-11.

(2) "—" means that the connector with corresponding code-number is not used.

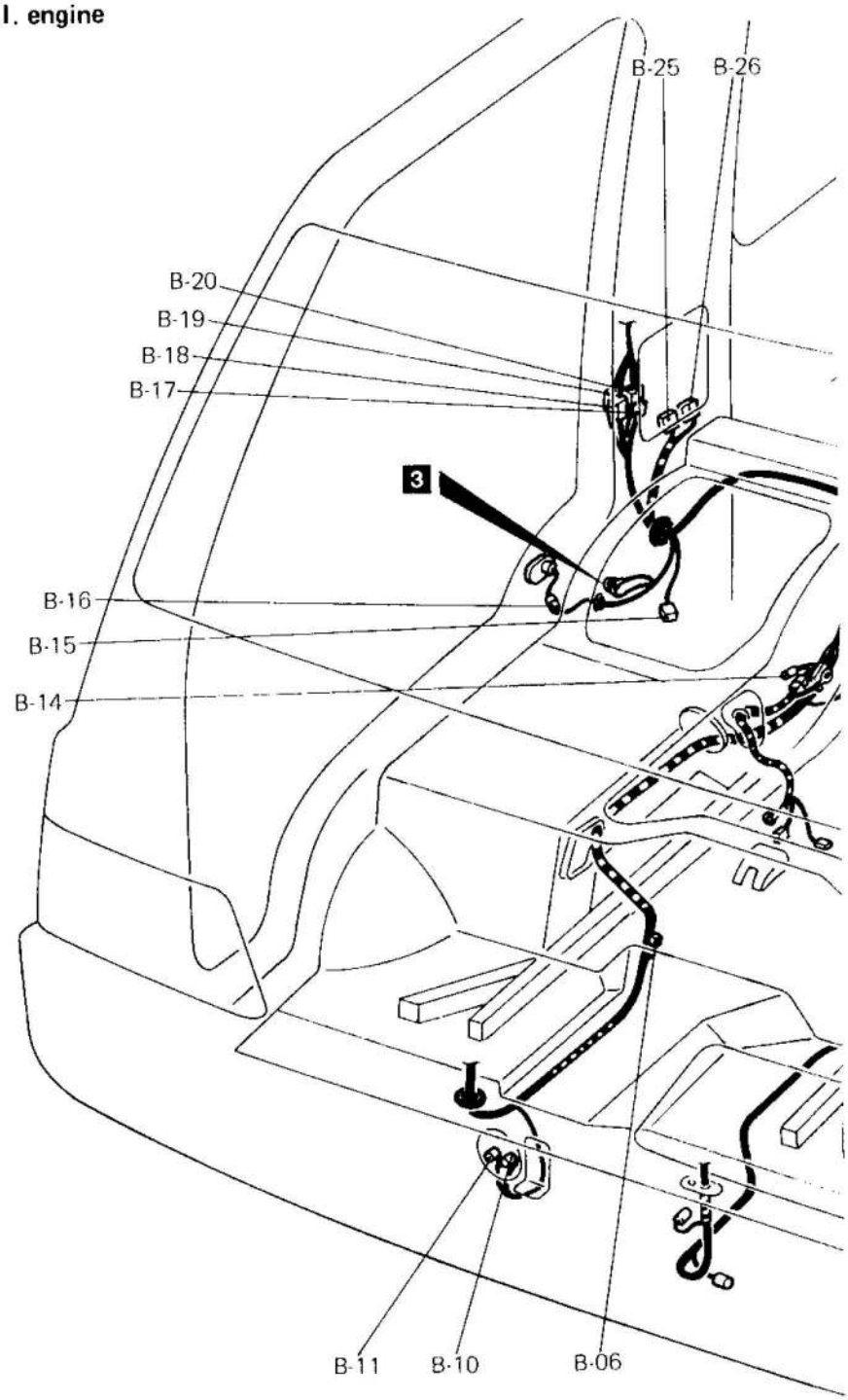


B-77 Pressure switch (Dual) (Air conditioner)
B-78 Condenser fan motor (Air conditioner)
B-79 Oil pressure switch
B-80, B-81 Alternator
B-82 –
B-83 Front wiring harness and rear heater wiring harness combination
B-84 No connection
B-85, B-86 Front wiring harness and engine wiring harness combination
B-87 –
B-88 –
B-89 Thermistor (Air conditioner)
B-90 Solenoid valve (Air conditioner)
B-91 Frame wiring harness and rear side wiring harness combination
B-92 Frame wiring harness and air conditioner unit wiring harness combination
B-93 Rear heater blower motor
B-94 ~ B-101 –
B-102 Solenoid valve (Air conditioner)
B-103 Fuel gauge unit
B-104 –
B-105, B-106 Back-up lamp switch
B-107, B-108 4WD indicator lamp switch
B-109 –
B-110 –
B-111 –
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 ~ B-119 –
B-120 Magnet clutch (Air conditioner)
B-121 –
B-122 Water temperature switch (Air conditioner)

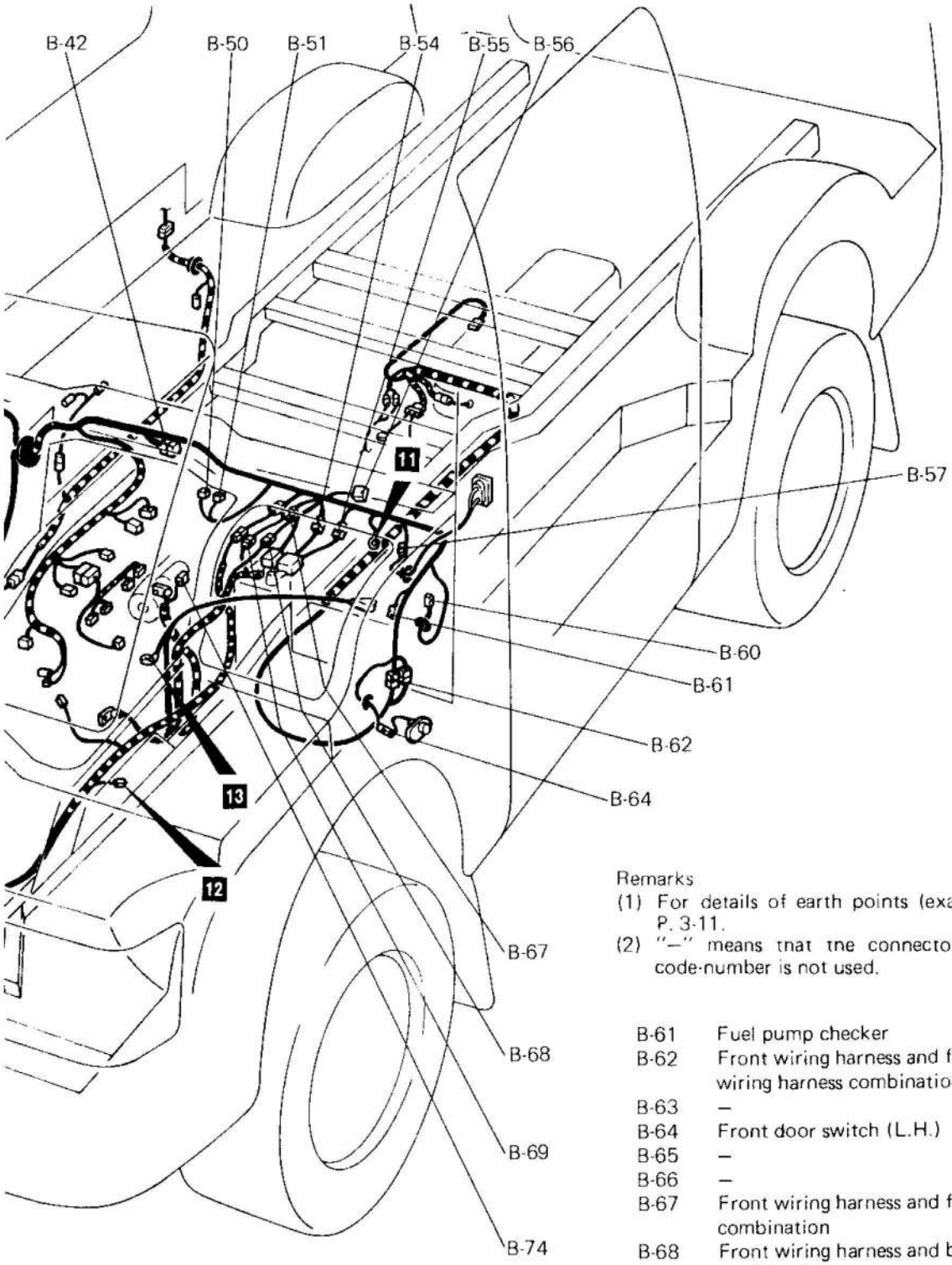
3-12 ENGINE ROOM · UNDER FLOOR (Vehicles for Australia)

2WD vehicles equipped with M.P.I. engine

Connector symbol **B -01 to -76**



B-01	—
B-02	—
B-03	—
B-04	—
B-05	—
B-06	Tachometer filter
B-07	—
B-08	—
B-09	—
B-10, B-11	Horn
B-12	—
B-13	—
B-14	Oxygen sensor
B-15	Air flow sensor
B-16	Front door switch (R.H.)
B-17, B-18, B-19, B-20	Front wiring harness and roof wiring harness combination
B-21	—
B-22	—
B-23	—
B-24	—
B-25, B-26	M.P.I. control unit
B-27	—
B-28	—
B-29	—
B-30	—
B-31	—
B-32	—
B-33	—
B-34	—
B-35	—
B-36	—
B-37	—
B-38	—
B-39	—
B-40	—
B-41	—
B-42	Connector for ignition timing adjustment
B-43	—
B-44	—
B-45	—
B-46	—
B-47	—
B-48	—
B-49	—
B-50	Purge solenoid valve
B-51	Fuel pressure solenoid valve
B-52	—
B-53	—
B-54, B-55	Front wiring harness and fusible link combination



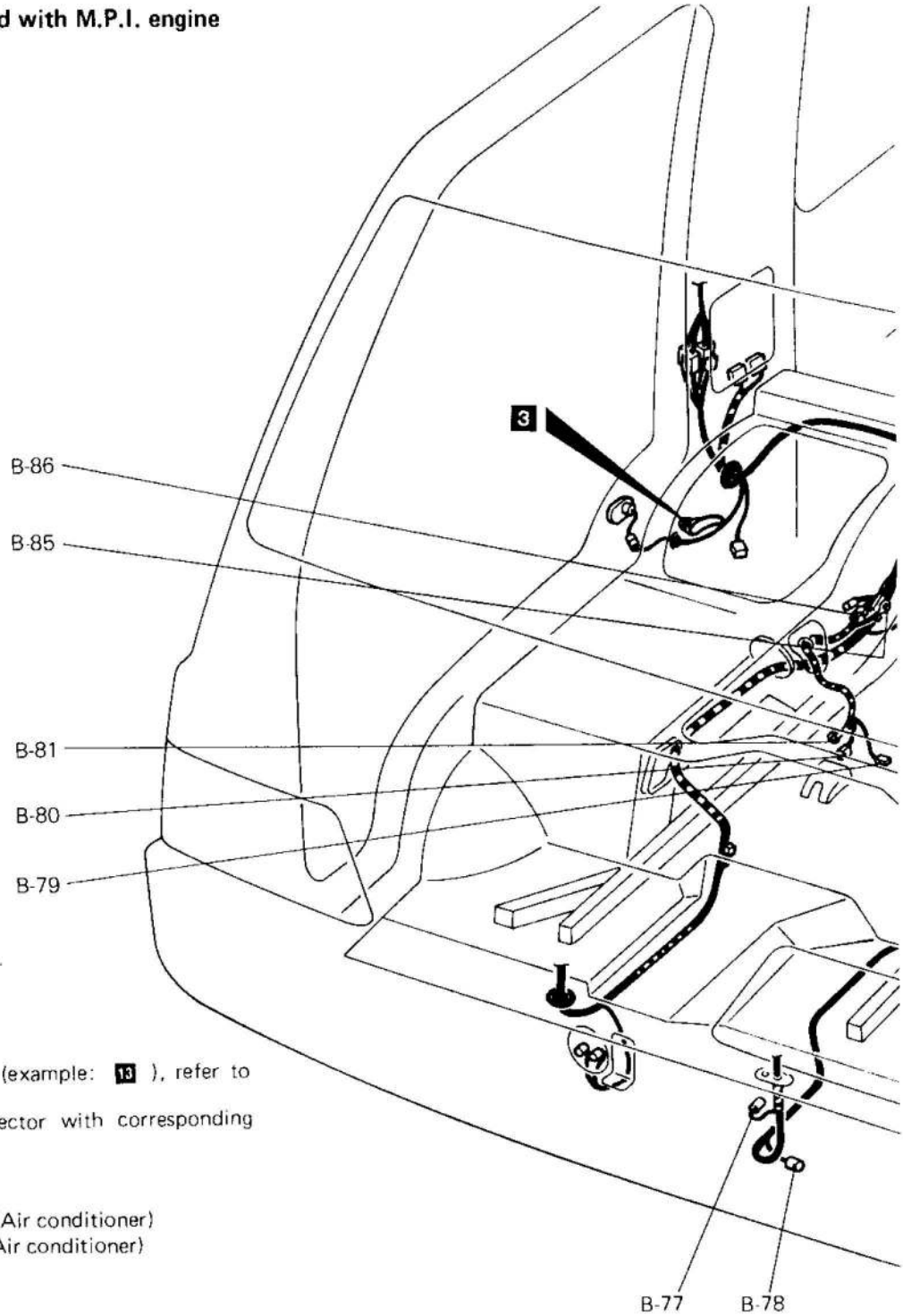
Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

B-56 Resistor
B-57 Contact switch (Vehicles with a central locking system)
B-58 –
B-59 –
B-60 Step lamp
B-61 Fuel pump checker
B-62 Front wiring harness and fuel gauge wiring harness combination
B-63 –
B-64 Front door switch (L.H.)
B-65 –
B-66 –
B-67 Front wiring harness and fusible link combination
B-68 Front wiring harness and battery cable (+) combination
B-69 Fusible link and battery cable (+) combination
B-70 –
B-71 –
B-72 –
B-73 –
B-74 Starter
B-75 –
B-76 –

3-12 ENGINE ROOM · UNDER FLOOR (Vehicles for Australia)

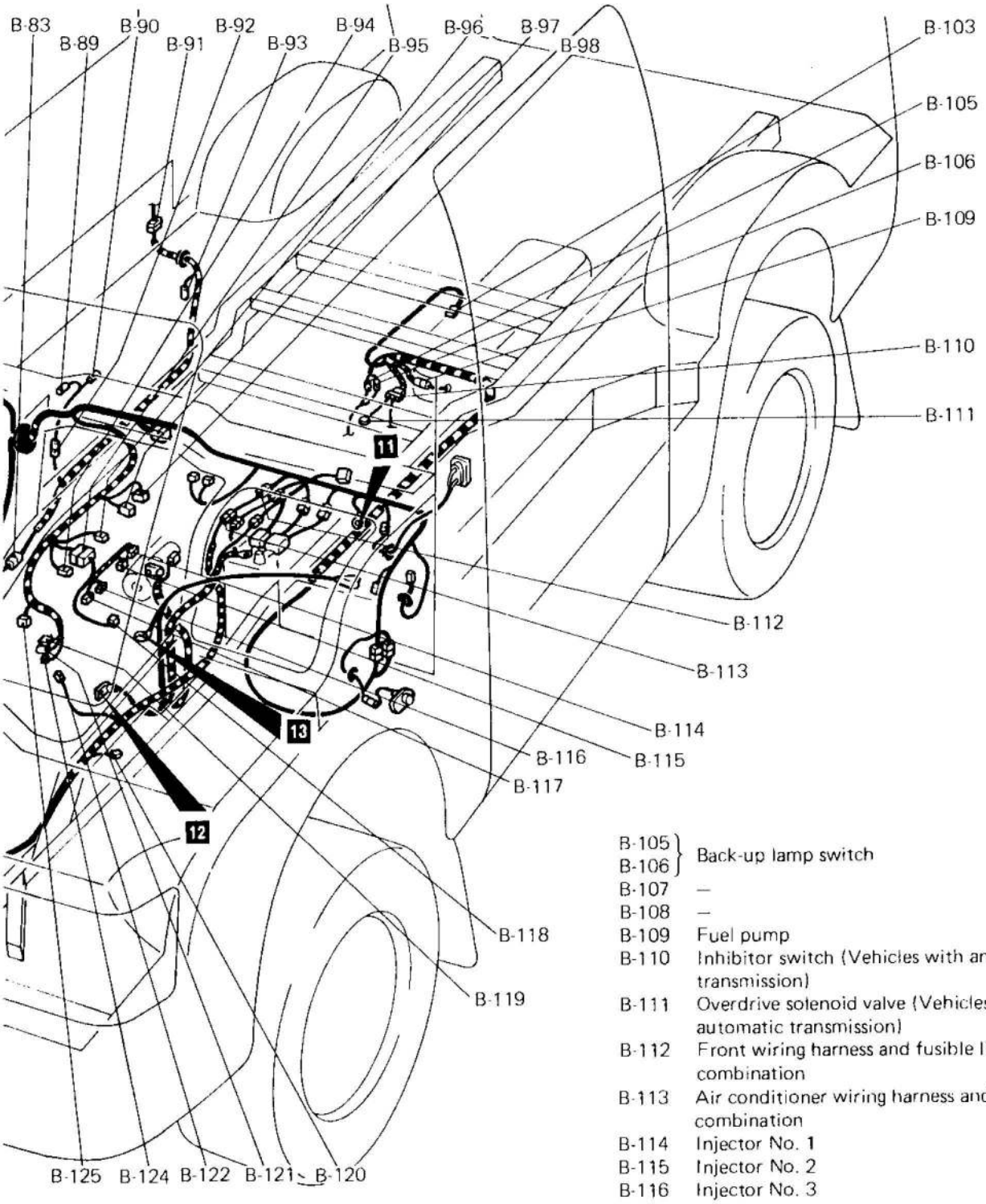
2WD vehicles equipped with M.P.I. engine

Connector symbol
B -77 to -125



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

B-77	Pressure switch (Dual) (Air conditioner)
B-78	Condenser fan motor (Air conditioner)
B-79	Oil pressure switch
B-80, B-81	Alternator
B-82	—
B-83	Front wiring harness and rear heater wiring harness combination
B-84	—
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	—
B-88	—
B-89	Thermistor (Air conditioner)
B-90	Solenoid valve (Air conditioner)
B-91	Frame wiring harness and rear side wiring harness combination
B-92	Frame wiring harness and air conditioner unit wiring harness combination
B-93	Rear heater blower motor
B-94	Motor position sensor
B-95	Front wiring harness and engine wiring harness combination



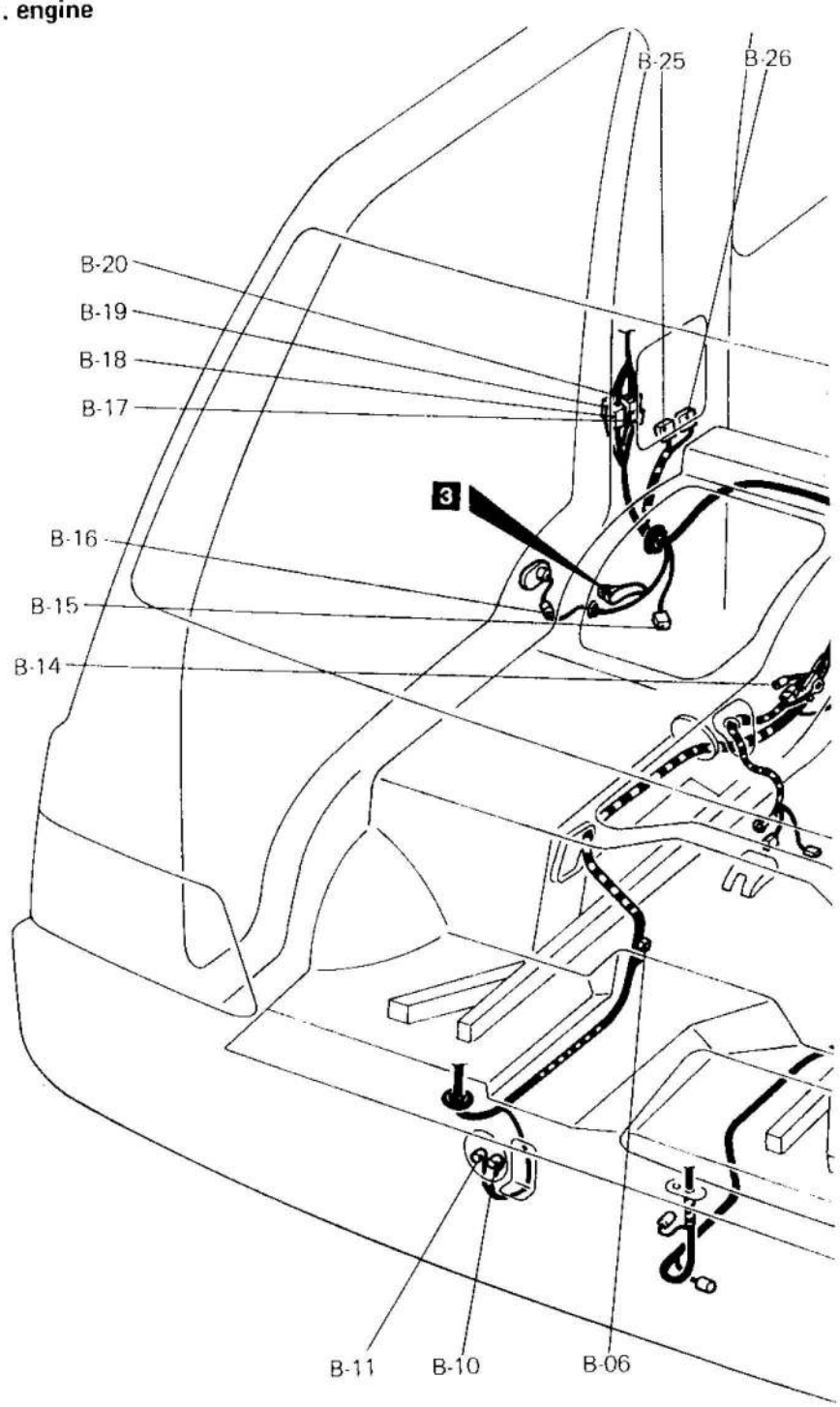
B-96 Throttle position sensor
B-97 Idle speed control actuator
B-98 Power transistor
B-99 –
B-100 –
B-101 –
B-102 –
B-103 Fuel gauge unit
B-104 –

B-105, B-106 Back-up lamp switch
B-107 –
B-108 –
B-109 Fuel pump
B-110 Inhibitor switch (Vehicles with an automatic transmission)
B-111 Overdrive solenoid valve (Vehicles with an automatic transmission)
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 Injector No. 1
B-115 Injector No. 2
B-116 Injector No. 3
B-117 Injector No. 4
B-118 Ignition coil
B-119 Water temperature gauge unit
B-120 Magnet clutch (Air conditioner)
B-121 Water temperature sensor
B-122 Water temperature switch (Air conditioner)
B-123 –
B-124 Water temperature gauge unit
B-125 Distributor

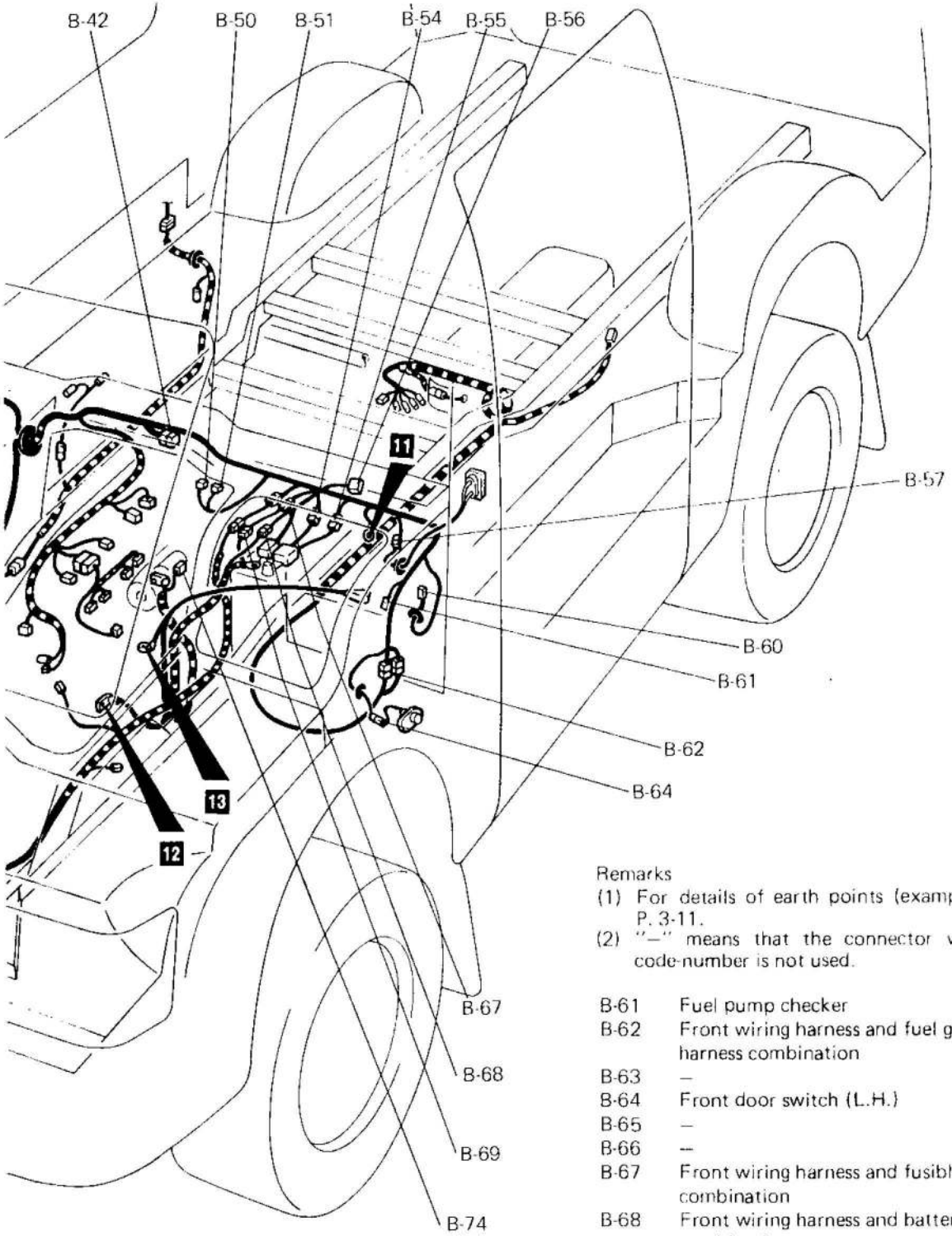
3-13 ENGINE ROOM · UNDER FLOOR (Vehicles for Australia)

4WD vehicles equipped with M.P.I. engine

Connector symbol **B** -01 to -76



B-01	—
B-02	—
B-03	—
B-04	—
B-05	—
B-06	Tachometer filter
B-07	—
B-08	—
B-09	—
B-10, B-11	Horn
B-12	—
B-13	—
B-14	Oxygen sensor
B-15	Air flow sensor
B-16	Front door switch (R.H.)
B-17, B-18, B-19, B-20	Front wiring harness and roof wiring harness combination
B-21	—
B-22	—
B-23	—
B-24	—
B-25, B-26	M.P.I. control unit
B-27	—
B-28	—
B-29	—
B-30	—
B-31	—
B-32	—
B-33	—
B-34	—
B-35	—
B-36	—
B-37	—
B-38	—
B-39	—
B-40	—
B-41	—
B-42	Connector for ignition timing adjustment
B-43	—
B-44	—
B-45	—
B-46	—
B-47	—
B-48	—
B-49	—
B-50	Purge solenoid valve
B-51	Fuel pressure solenoid valve
B-52	—
B-53	—
B-54, B-55	Front wiring harness and fusible link combination



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

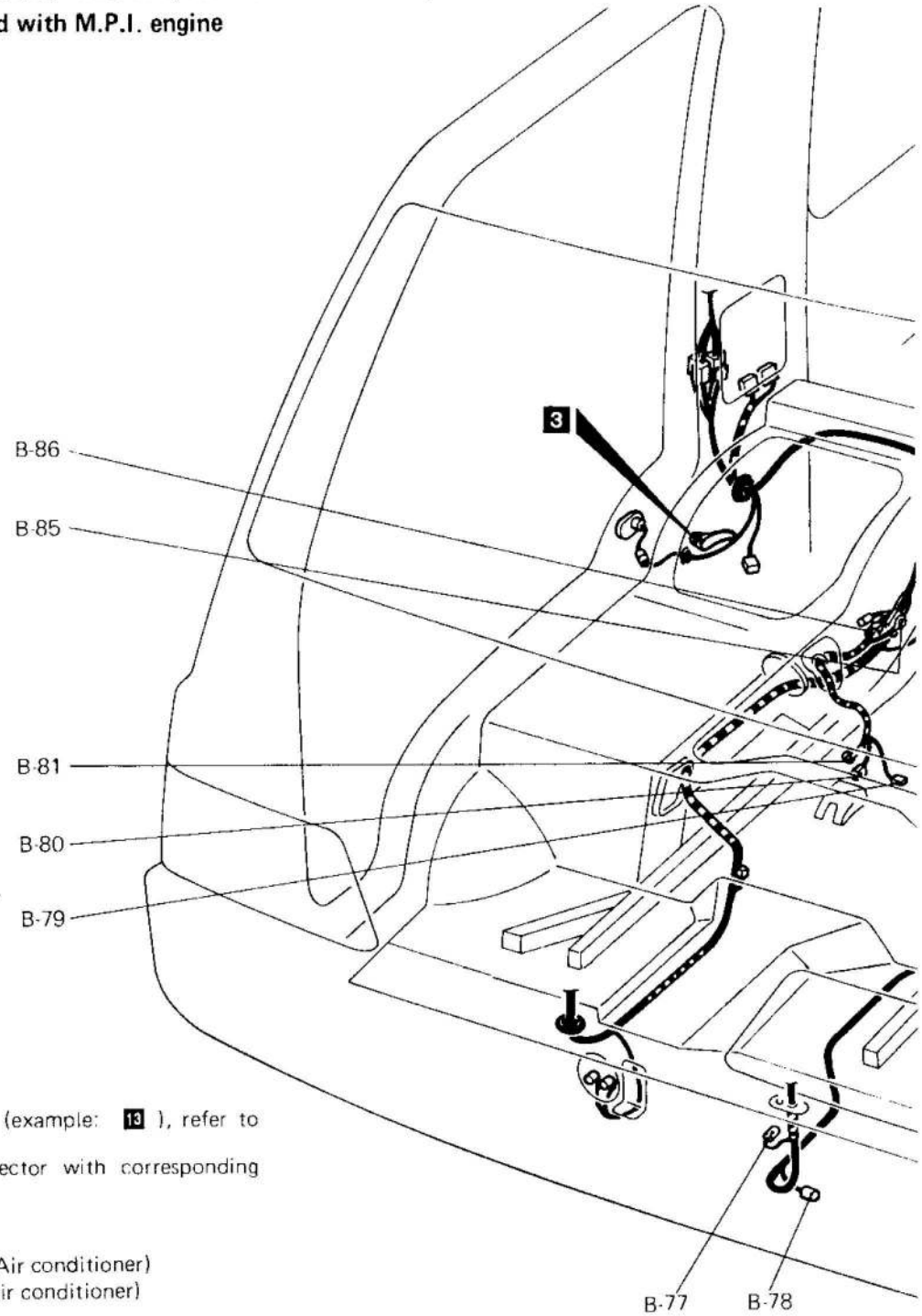
B-56 Resistor
B-57 Contact switch (Vehicles with a central locking system)
B-58 –
B-59 –
B-60 Step lamp

B-61 Fuel pump checker
B-62 Front wiring harness and fuel gauge wiring harness combination
B-63 –
B-64 Front door switch (L.H.)
B-65 –
B-66 –
B-67 Front wiring harness and fusible link combination
B-68 Front wiring harness and battery cable (+) combination
B-69 Fusible link and battery cable (+) combination
B-70 –
B-71 –
B-72 –
B-73 –
B-74 Starter
B-75 –
B-76 –

3-13 ENGINE ROOM · UNDER FLOOR (Vehicles for Australia)

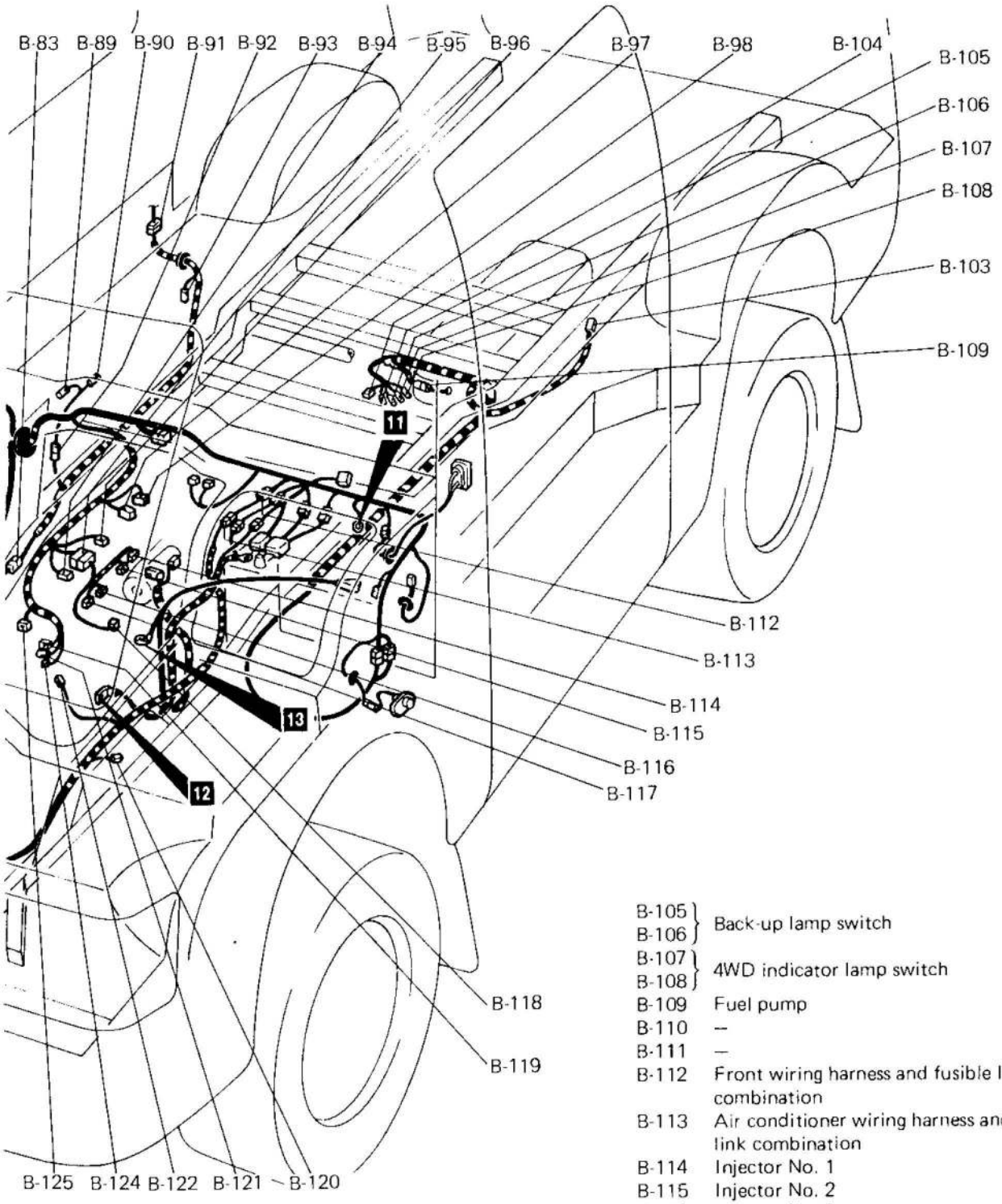
4WD vehicles equipped with M.P.I. engine

Connector symbol
B -77 to -125



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "—" means that the connector with corresponding code-number is not used.

B-77	Pressure switch (Dual) (Air conditioner)
B-78	Condenser fan motor (Air conditioner)
B-79	Oil pressure switch
B-80, B-81	Alternator
B-82	—
B-83	Front wiring harness and rear heater wiring harness combination
B-84	—
B-85, B-86	Front wiring harness and engine wiring harness combination
B-87	—
B-88	—
B-89	Thermistor (Air conditioner)
B-90	Solenoid valve (Air conditioner)
B-91	Frame wiring harness and rear side wiring harness combination
B-92	Frame wiring harness and air conditioner unit wiring harness combination
B-93	Rear heater blower motor
B-94	Motor position sensor
B-95	Front wiring harness and engine wiring harness combination



B-96 Throttle position sensor
B-97 Idle speed control actuator
B-98 Power transistor
B-99 –
B-100 –
B-101 –
B-102 –
B-103 Fuel gauge unit
B-104 Pulse generator

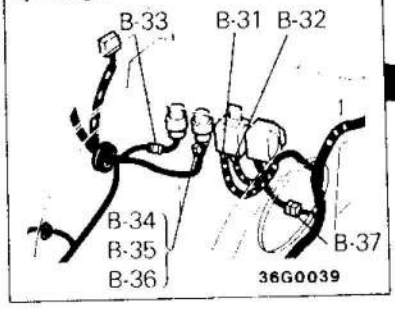
B-105, B-106 Back-up lamp switch
B-107, B-108 4WD indicator lamp switch
B-109 Fuel pump
B-110 –
B-111 –
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 Injector No. 1
B-115 Injector No. 2
B-116 Injector No. 3
B-117 Injector No. 4
B-118 Ignition coil
B-119 Water temperature gauge unit
B-120 Magnet clutch (Air conditioner)
B-121 Water temperature sensor
B-122 Water temperature switch (Air conditioner)
B-123 –
B-124 Water temperature gauge unit
B-125 Distributor

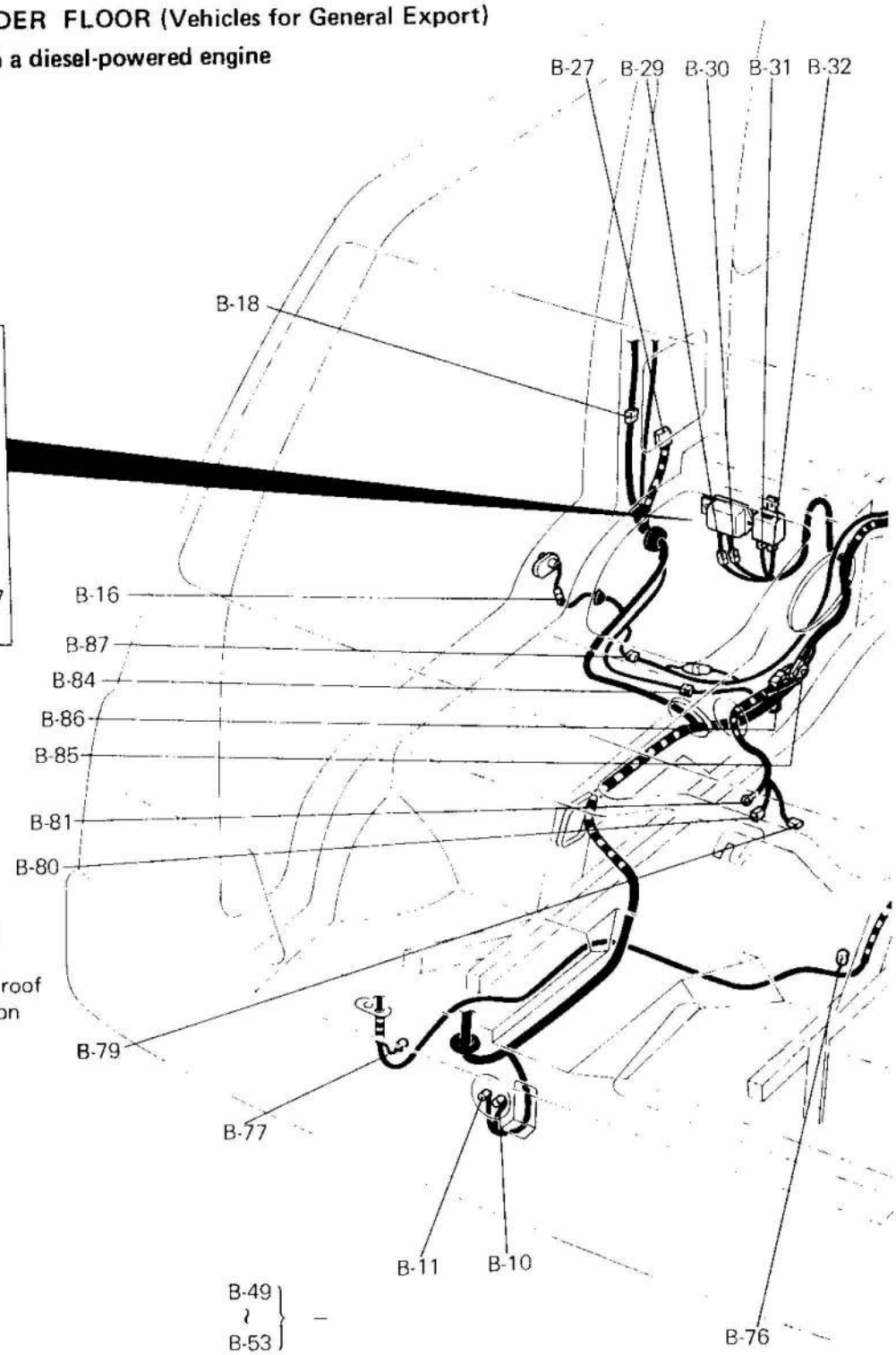
3-14 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export)

L.H. drive vehicles with a diesel-powered engine

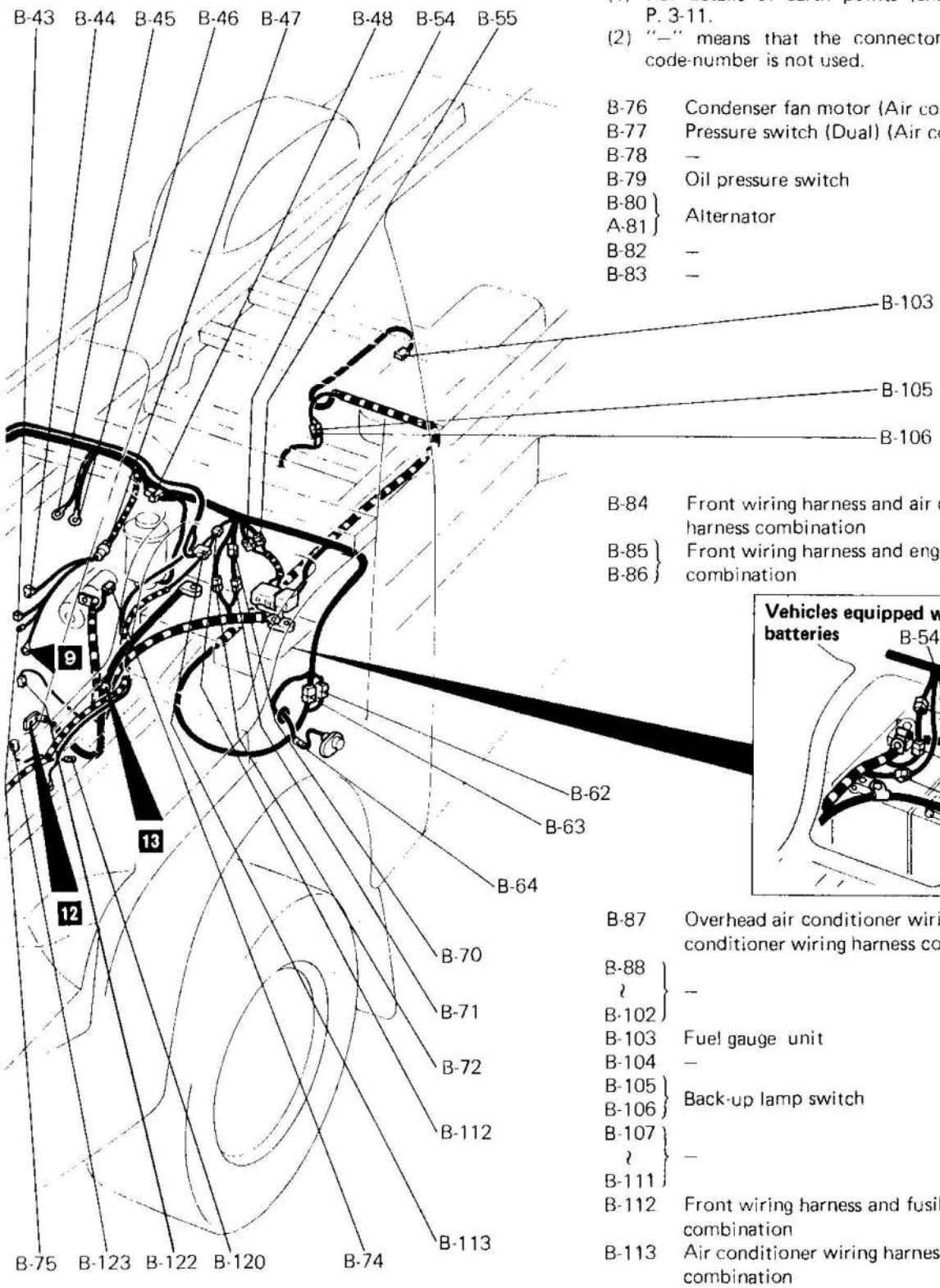
Connector symbol **B**

Vehicles equipped with super quick glow



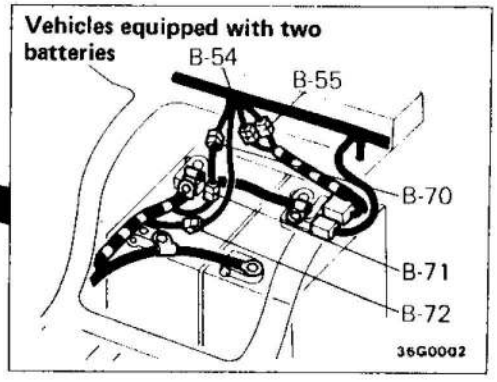


B-01 ~ B-09	–
B-10, B-11	Horn
B-12 ~ B-15	–
B-16	Front door switch (R.H.)
B-17	–
B-18	Front wiring harness and roof wiring harness combination
B-19 ~ B-26	–
B-27	Glow control unit
B-28	–
B-29, B-30	Glow relay
B-31, B-32	Starter relay
B-33	Glow relay (II)
B-34, B-35, B-36	Glow relay (I)
B-37	Resistor
B-38 ~ B-42	–
B-43	Revolution pick up
B-44	Water temperature gauge unit
B-45, B-46	Glow plug
B-47	Front wiring harness and injection pump wiring harness combination
B-48	Water level switch
B-49 ~ B-53	–
B-54, B-55	Front wiring harness and fusible link combination
B-56 ~ B-61	–
B-62, B-63	Front wiring harness and fuel gauge wiring harness combination
B-64	Front door switch (L.H.)
B-65 ~ B-69	–



Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

B-70 Front wiring harness and fusible link combination
B-71 Fusible link and battery cable (+) combination
B-72 Front wiring harness and battery cable (+) combination
B-73 –
B-74 Starter
B-75 Fuel cut solenoid valve
B-76 Condenser fan motor (Air conditioner)
B-77 Pressure switch (Dual) (Air conditioner)
B-78 –
B-79 Oil pressure switch
B-80, A-81 Alternator
B-82 –
B-83 –
B-84 Front wiring harness and air conditioner wiring harness combination
B-85, B-86 Front wiring harness and engine wiring harness combination

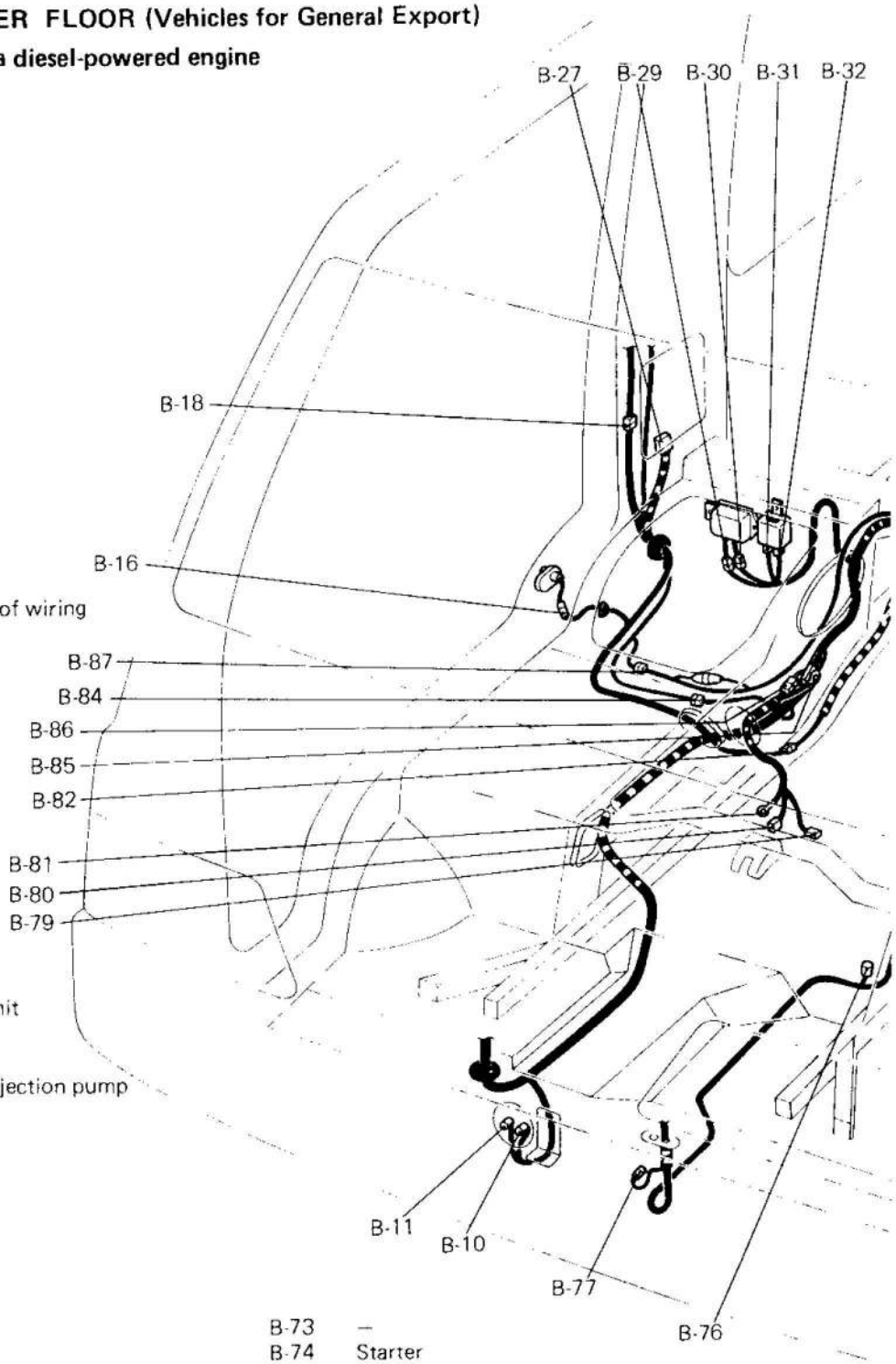


B-87 Overhead air conditioner wiring harness and air conditioner wiring harness combination
B-88 ~ B-102 –
B-103 Fuel gauge unit
B-104 –
B-105, B-106 Back-up lamp switch
B-107 ~ B-111 –
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 ~ B-119 –
B-120 Magnet clutch (Air conditioner)
B-121 –
B-122 Water temperature switch (Air conditioner)
B-123 Vacuum solenoid valve

3-15 ENGINE ROOM · UNDER FLOOR (Vehicles for General Export)

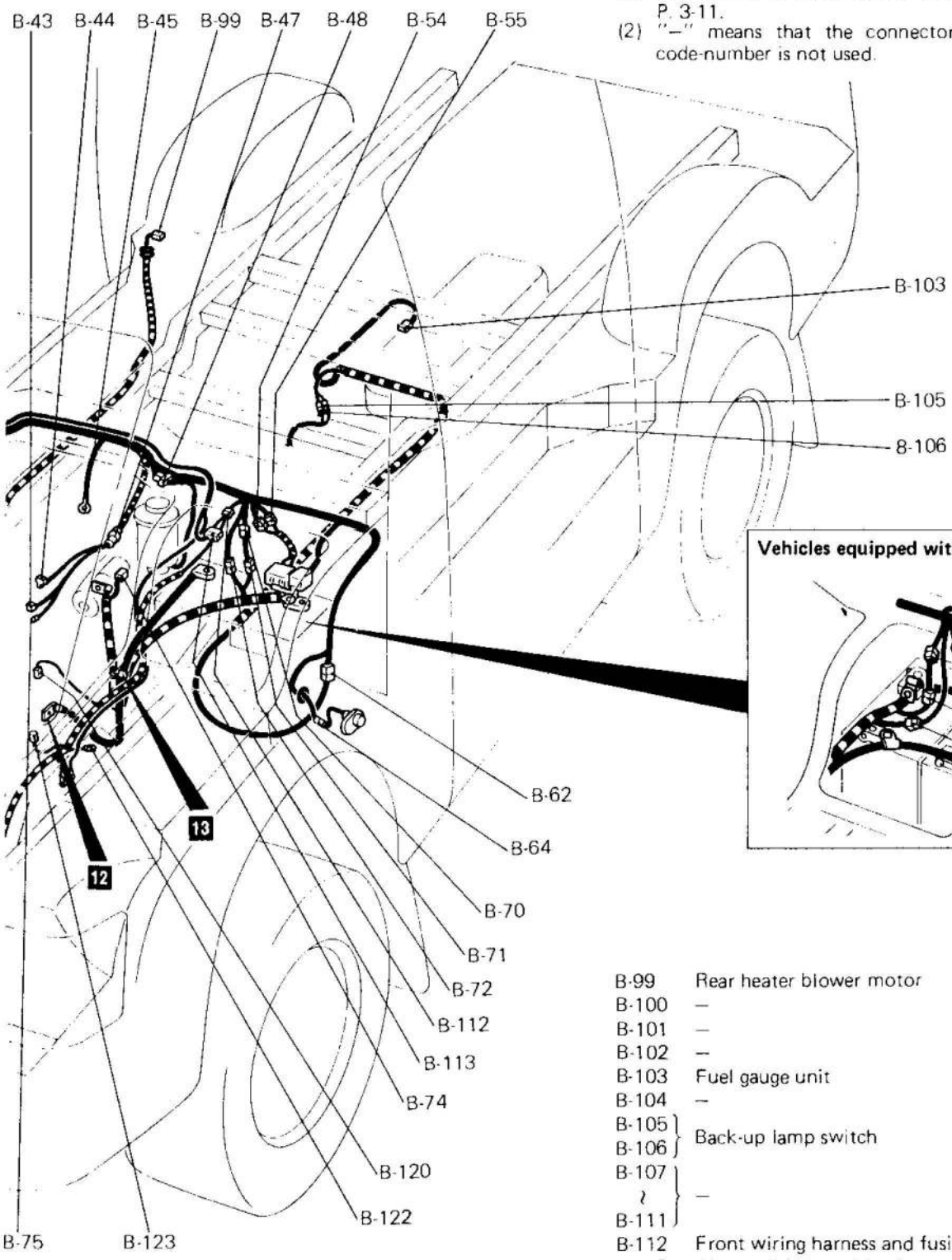
R.H. drive vehicles with a diesel-powered engine

Connector symbol **B**

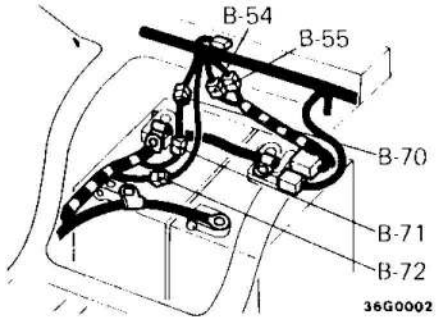


B-01 ~ B-09 —
B-10, B-11 Horn
B-12 ~ B-15 —
B-16 Front door switch (R.H.)
B-17 —
B-18 Front wiring harness and roof wiring harness combination
B-19 ~ B-26 —
B-27 Glow control unit
B-28 —
B-29, B-30 Glow relay
B-31, B-32 Starter relay
B-33 ~ B-42 —
B-43 Revolution pick up
B-44 Water temperature gauge unit
B-45 Glow plug
B-46 —
B-47 Front wiring harness and injection pump wiring harness combination
B-48 Water level switch
B-49 ~ B-53 —
B-54, B-55 Front wiring harness and fusible link combination
B-56 ~ B-61 —
B-62 Front wiring harness and fuel gauge wiring harness combination
B-63 —
B-64 Front door switch (L.H.)
B-65 ~ B-69 —
B-70 Front wiring harness and fusible link combination
B-71 Fusible link and battery cable (+) combination
B-72 Front wiring harness and battery cable (+) combination
B-73 —
B-74 Starter
B-75 Fuel cut solenoid valve
B-76 Condenser fan motor (Air conditioner)
B-77 Pressure switch (Dual) (Air conditioner)
B-78 —
B-79 Oil pressure switch
B-80, B-81 Alternator
B-82 Front wiring harness and rear heater wiring harness combination
B-83 —
B-84 Front wiring harness and air conditioner wiring harness combination

Remarks
(1) For details of earth points (example: 13), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.



Vehicles equipped with two batteries



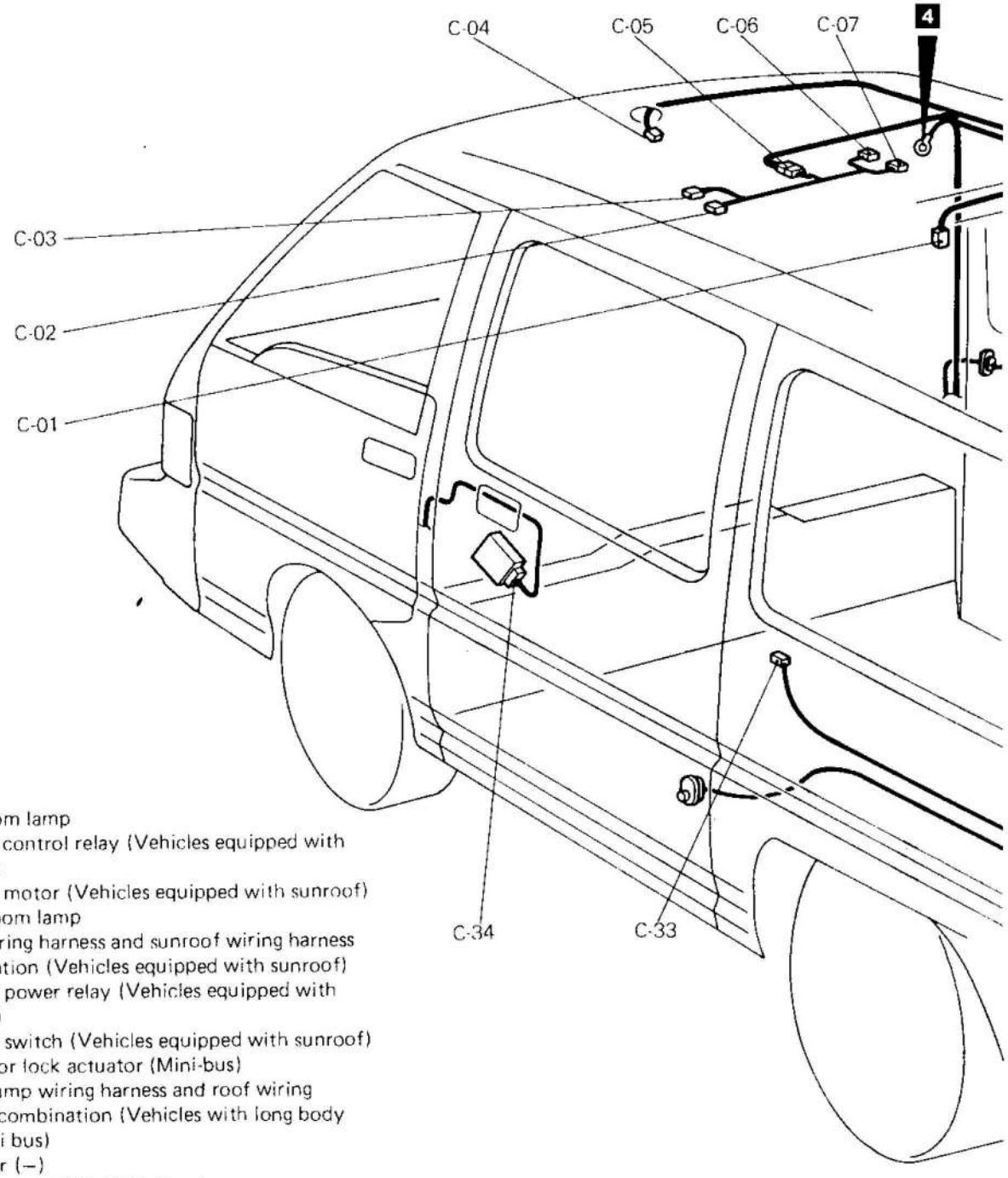
36G0037

B-85, B-86 } Front wiring harness and engine wiring harness combination
B-87 Overhead air conditioner wiring harness and air conditioner wiring harness combination
B-88 ~ B-98 } –

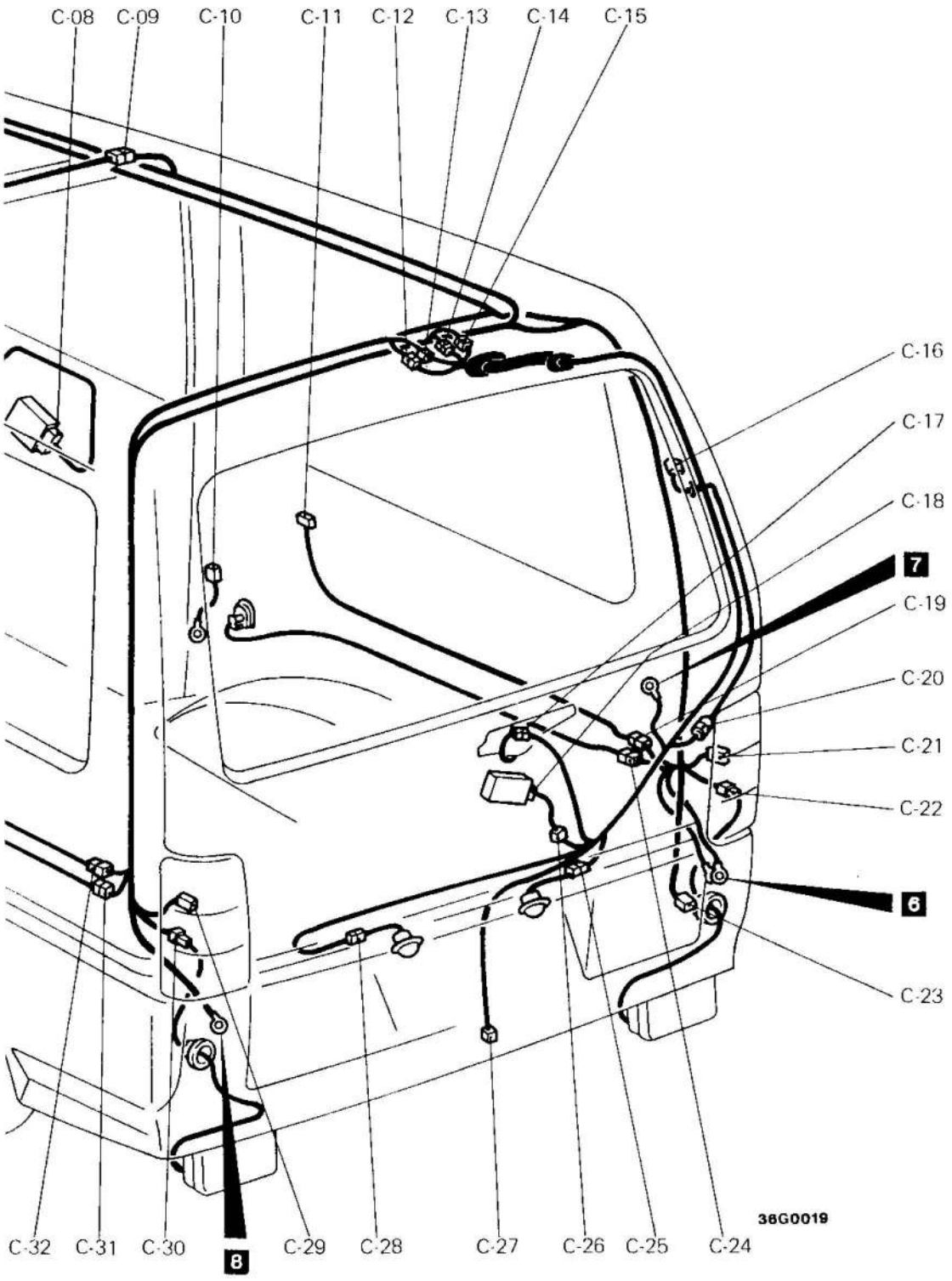
B-99 Rear heater blower motor
B-100 –
B-101 –
B-102 –
B-103 Fuel gauge unit
B-104 –
B-105, B-106 } Back-up lamp switch
B-107 ~ B-111 } –
B-112 Front wiring harness and fusible link combination
B-113 Air conditioner wiring harness and fusible link combination
B-114 ~ B-119 } –
B-120 Magnet clutch (Air conditioner)
B-121 –
B-122 Water temperature switch (Air conditioner)
B-123 Vacuum solenoid valve

4-1 ROOF · TAILGATE · REAR SIDE (Vehicles for Europe)

Connector symbol **C**



C-01 Rear room lamp
C-02 Sunroof control relay (Vehicles equipped with sunroof)
C-03 Sunroof motor (Vehicles equipped with sunroof)
C-04 Front room lamp
C-05 Roof wiring harness and sunroof wiring harness combination (Vehicles equipped with sunroof)
C-06 Sunroof power relay (Vehicles equipped with sunroof)
C-07 Sunroof switch (Vehicles equipped with sunroof)
C-08 Rear door lock actuator (Mini-bus)
C-09 Room lamp wiring harness and roof wiring harness combination (Vehicles with long body and mini bus)
C-10 Defogger (−)
C-11 Rear speaker (R.H.) (Mini-bus)
C-12, C-13, C-14, C-15 Roof wiring harness and tailgate wiring harness combination
C-16 Defogger (+)
C-17 Rear wiper motor
C-18 Tailgate lock actuator (Mini-bus)
C-19 Rear speaker wiring harness and roof wiring harness combination (Mini-bus)
C-20 Tailgate wiring harness and defogger cable (+) combination
C-21 Rear combination lamp (R.H.)
C-22 Roof wiring harness and rear fog lamp combination (R.H. drive vehicles)
C-23 Rear washer motor
C-24 Roof wiring harness and door switch (R.H.) combination
C-25 Licence plate lamp (R.H.) and roof wiring harness combination
C-26 Roof wiring harness and tailgate wiring harness combination (Mini-bus)
C-27 Tailgate switch



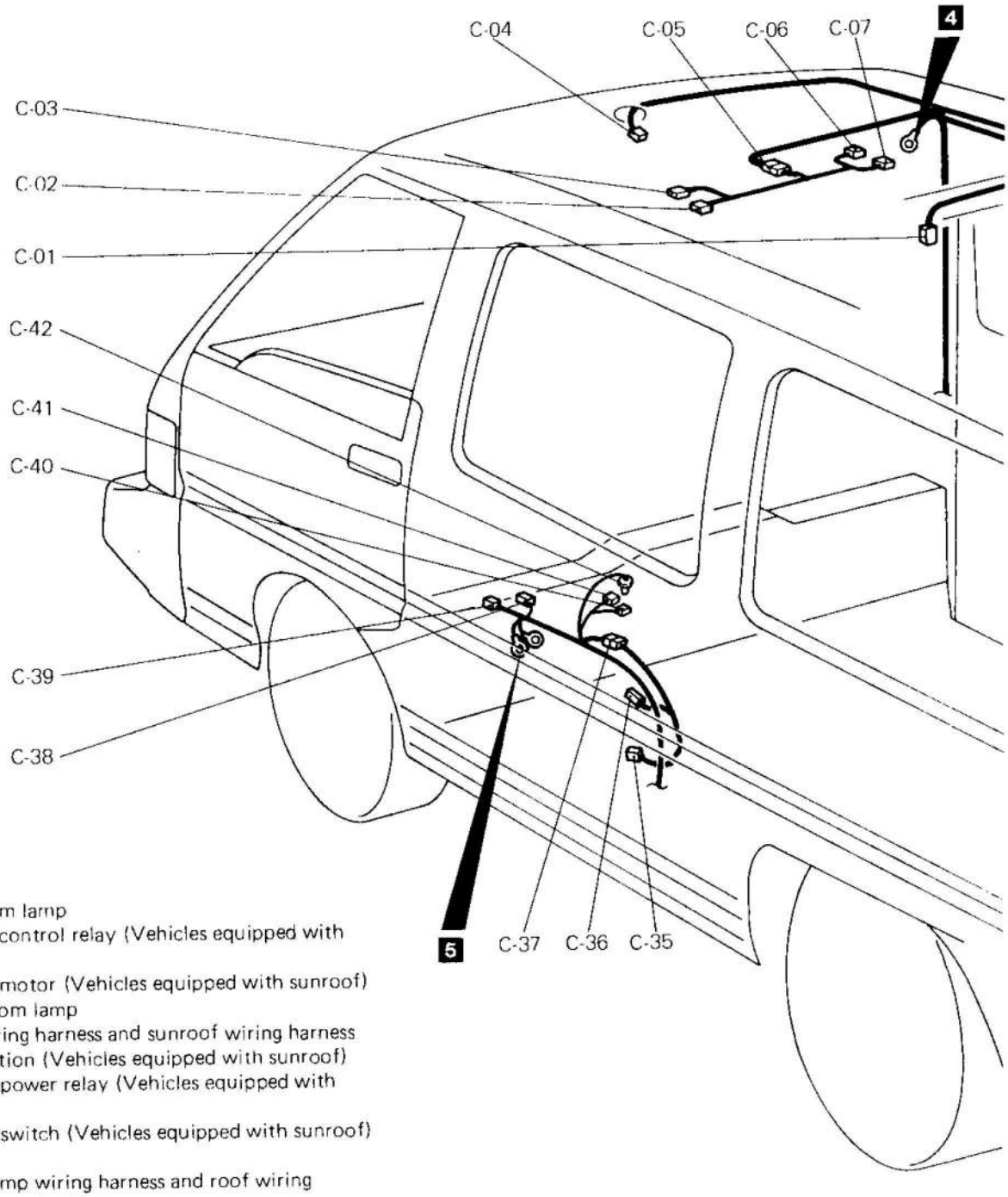
C-28 Licence plate lamp (L.H.) and roof wiring harness combination
C-29 Rear combination lamp (L.H.)
C-30 Roof wiring harness and rear fog lamp combination (L.H. drive vehicles)
C-31 Roof wiring harness and door switch (L.H.) combination
C-32 Rear speaker wiring harness and roof wiring harness combination (Mini-bus)
C-33 Rear speaker (L.H.) (Mini-bus)
C-34 Rear door lock actuator (Mini-bus)

Remark
For details of earth points (example: 8), refer to P. 3-11.

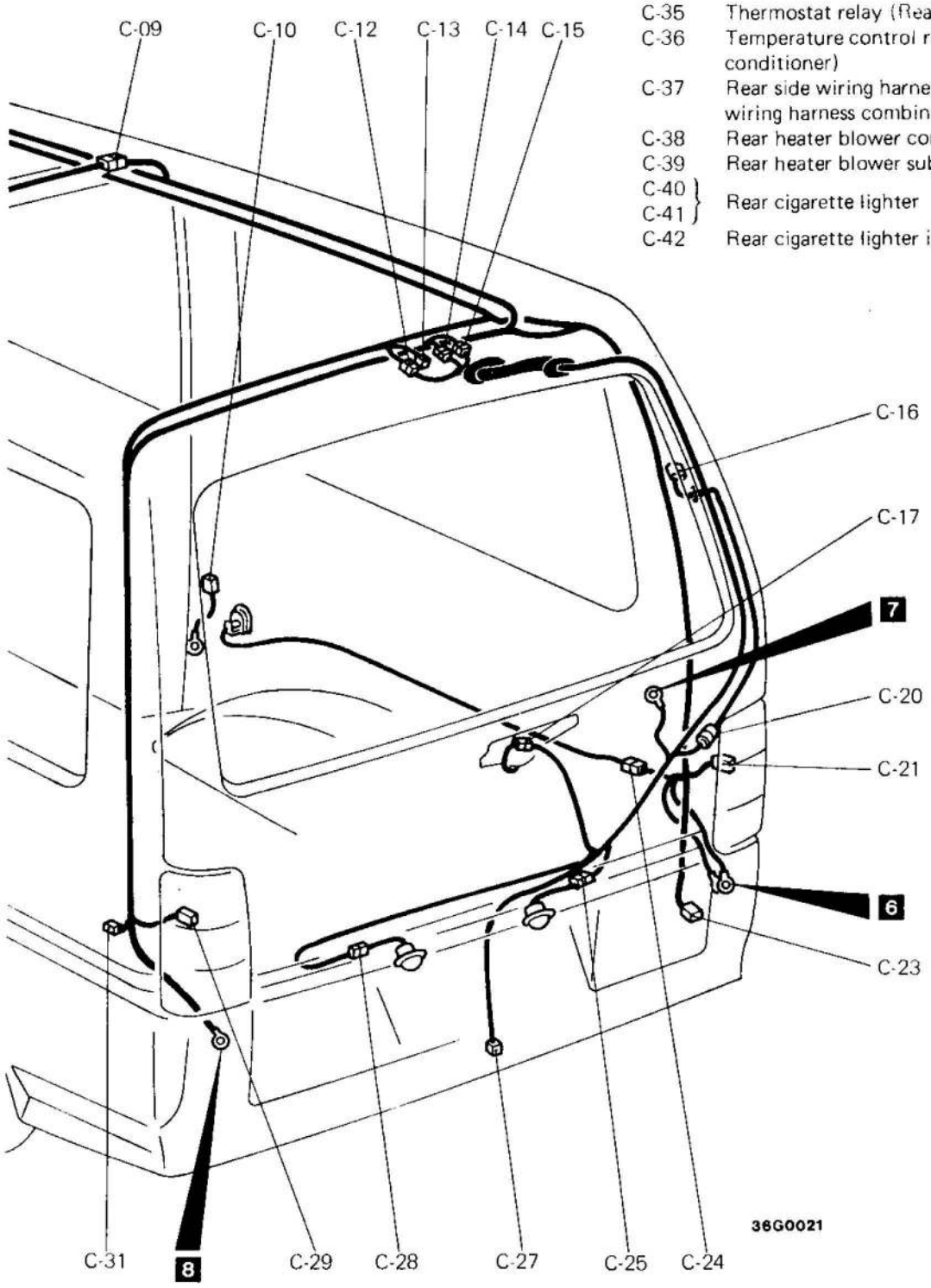
4-2 ROOF · TAILGATE · REAR SIDE (L.H. drive vehicles for General Export)

4-door models

Connector symbol **C**



C-01 Rear room lamp
C-02 Sunroof control relay (Vehicles equipped with sunroof)
C-03 Sunroof motor (Vehicles equipped with sunroof)
C-04 Front room lamp
C-05 Roof wiring harness and sunroof wiring harness combination (Vehicles equipped with sunroof)
C-06 Sunroof power relay (Vehicles equipped with sunroof)
C-07 Sunroof switch (Vehicles equipped with sunroof)
C-08 —
C-09 Room lamp wiring harness and roof wiring harness combination
C-10 Defogger (–)
C-11 —
C-12 Roof wiring harness and tailgate wiring harness combination
C-13 No connection (for tailgate lock)
C-14, C-15 Roof wiring harness and tailgate wiring harness combination
C-16 Defogger (+)
C-17 Rear wiper motor
C-18 —
C-19 —
C-20 Tailgate wiring harness and defogger cable (+) combination
C-21 Rear combination lamp (R.H.)
C-22 —
C-23 Rear washer motor
C-24 Roof wiring harness and door switch (R.H.) combination
C-25 Licence plate lamp (R.H.) and roof wiring harness combination



C-31 No connection [for door switch (L.H.)]
C-32 –
C-33 –
C-34 –
C-35 Thermostat relay (Rear air conditioner)
C-36 Temperature control resistor (Rear air conditioner)
C-37 Rear side wiring harness and rear air conditioner wiring harness combination (Rear air conditioner)
C-38 Rear heater blower control
C-39 Rear heater blower sub switch
C-40, C-41 Rear cigarette lighter
C-42 Rear cigarette lighter illumination lamp

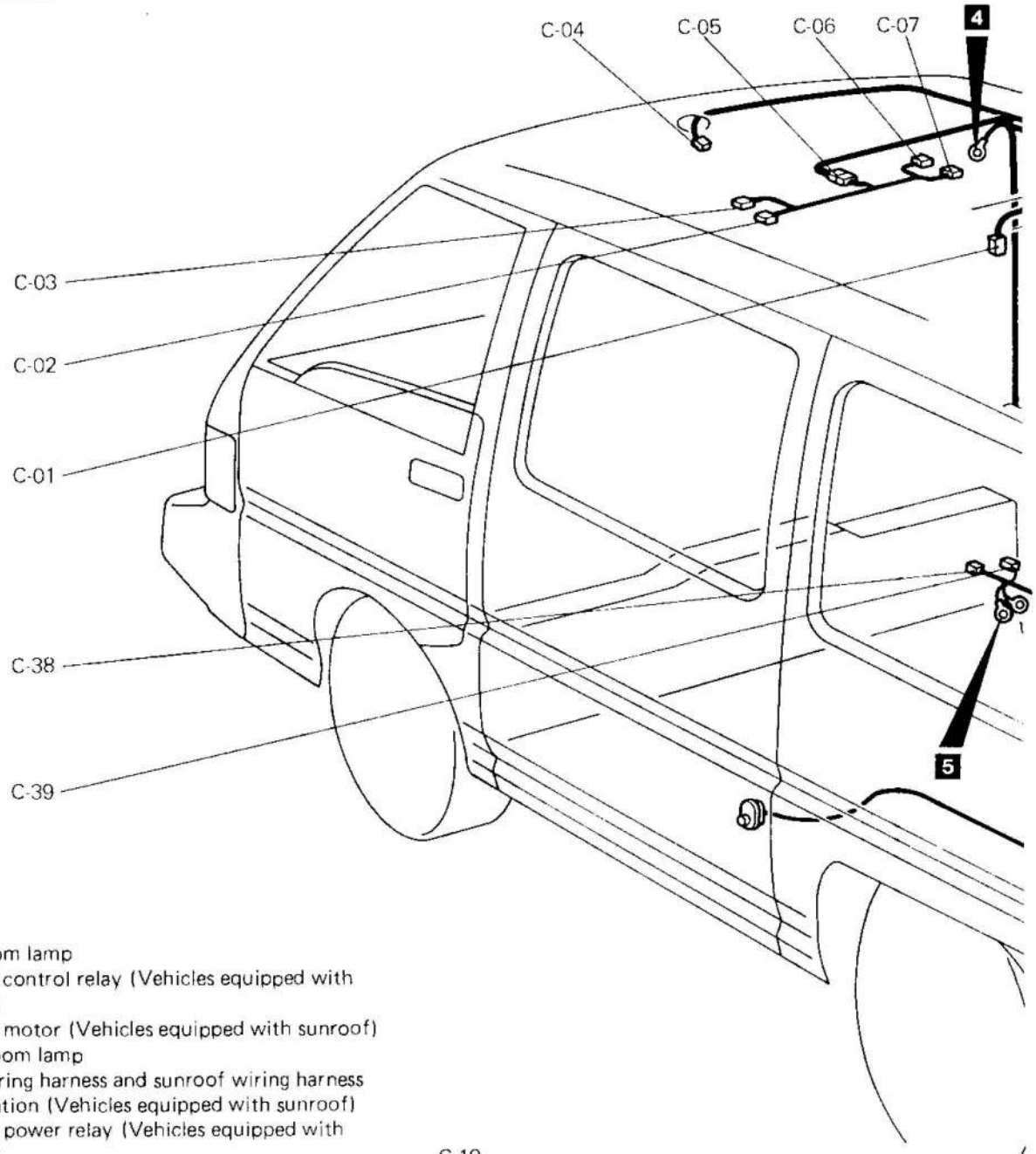
C-26 –
C-27 Tailgate switch
C-28 Licence plate lamp (L.H.) and roof wiring harness combination
C-29 Rear combination lamp (L.H.)
C-30 –

Remarks
(1) For details of earth points (example: 6), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

4-3 ROOF · TAILGATE · REAR SIDE (R.H. drive vehicles for General Export)

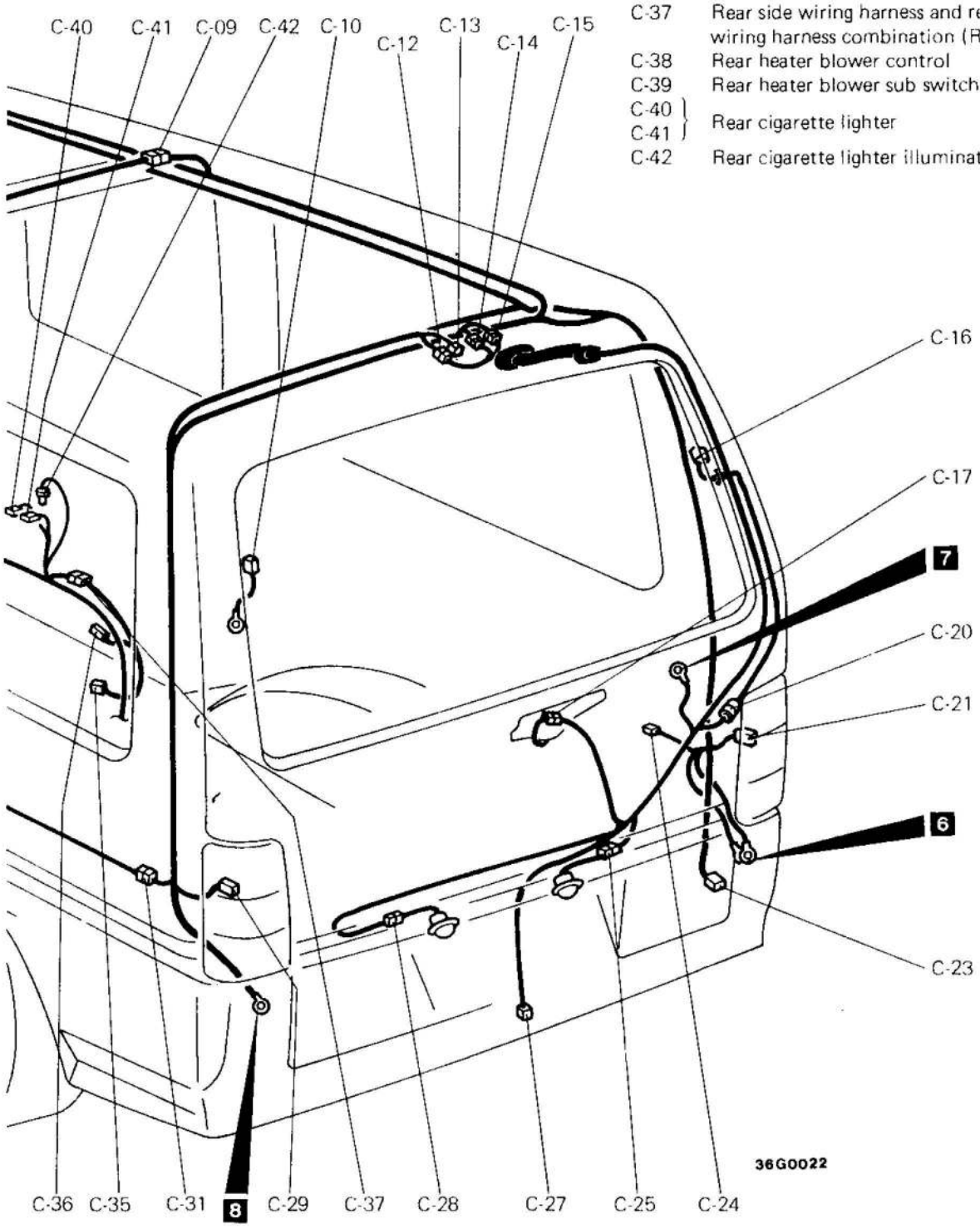
4-door models

Connector symbol **C**



C-01	Rear room lamp
C-02	Sunroof control relay (Vehicles equipped with sunroof)
C-03	Sunroof motor (Vehicles equipped with sunroof)
C-04	Front room lamp
C-05	Roof wiring harness and sunroof wiring harness combination (Vehicles equipped with sunroof)
C-06	Sunroof power relay (Vehicles equipped with sunroof)
C-07	Sunroof switch (Vehicles equipped with sunroof)
C-08	—
C-09	Room lamp wiring harness and roof wiring harness combination
C-10	Defogger (—)
C-11	—
C-12	Roof wiring harness and tailgate wiring harness combination
C-13	No connection (for tailgate lock)
C-14, C-15	Roof wiring harness and tailgate wiring harness combination
C-16	Defogger (+)
C-17	Rear wiper motor
C-18	—
C-19	—
C-20	Tailgate wiring harness and defogger cable (+) combination
C-21	Rear combination lamp (R.H.)
C-22	—
C-23	Rear washer motor
C-24	No connection [for door switch (R.H.)]
C-25	Licence plate lamp (R.H.) and roof wiring harness combination
C-26	—
C-27	Tailgate switch
C-28	Licence plate lamp (L.H.) and roof wiring harness combination
C-29	Rear combination lamp (L.H.)
C-30	—

C-35 Thermostat relay (Rear air conditioner)
C-36 Temperature control resistor (Rear air conditioner)
C-37 Rear side wiring harness and rear air conditioner wiring harness combination (Rear air conditioner)
C-38 Rear heater blower control
C-39 Rear heater blower sub switch
C-40, C-41 Rear cigarette lighter
C-42 Rear cigarette lighter illumination lamp



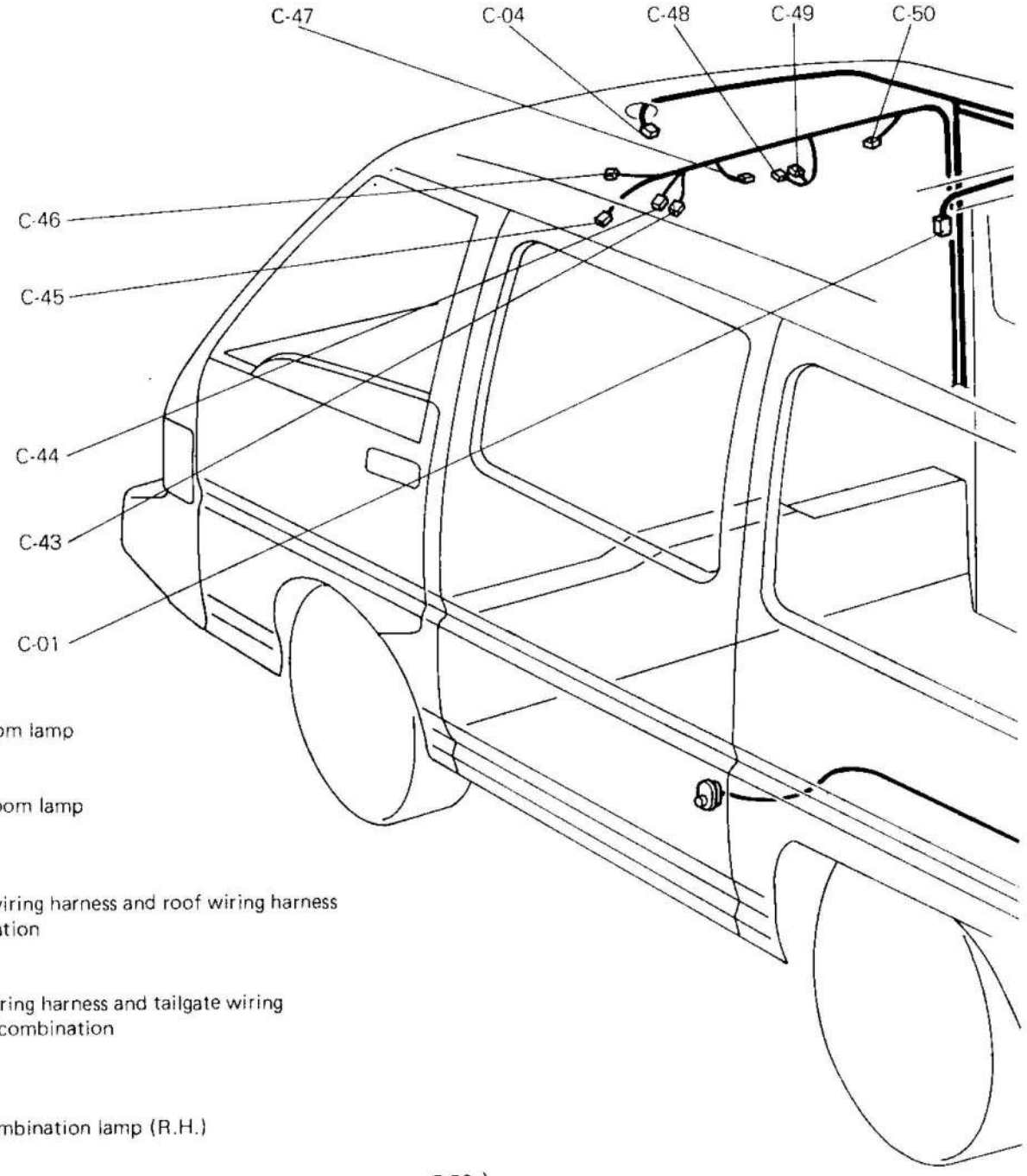
C-31 Roof wiring harness and door switch (L.H.) combination
C-32 –
C-33 –
C-34 –

Remarks
(1) For details of earth points (example: 6), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

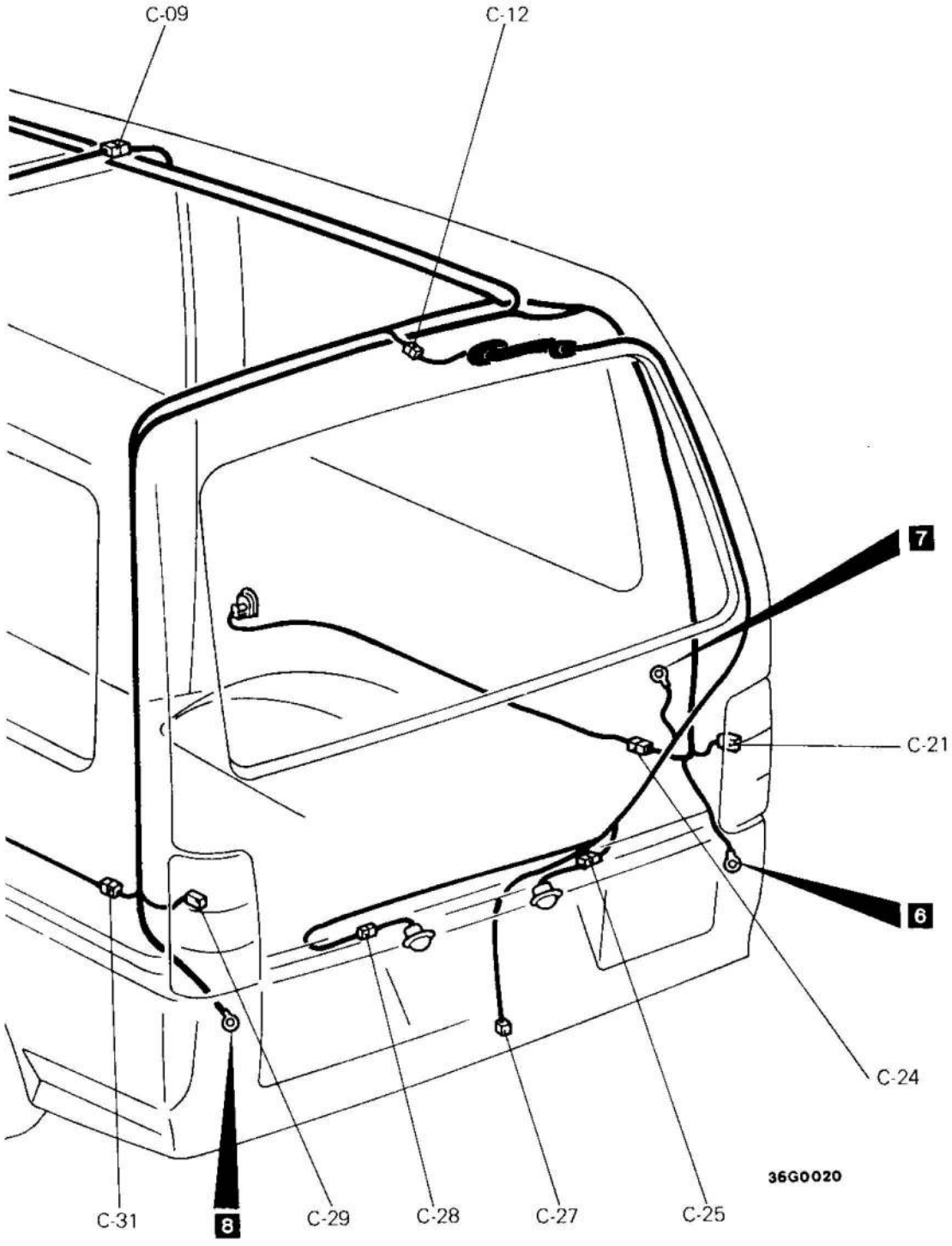
4-4 ROOF · TAILGATE · REAR SIDE (Vehicles for General Export)

5-door models

Connector symbol **C**



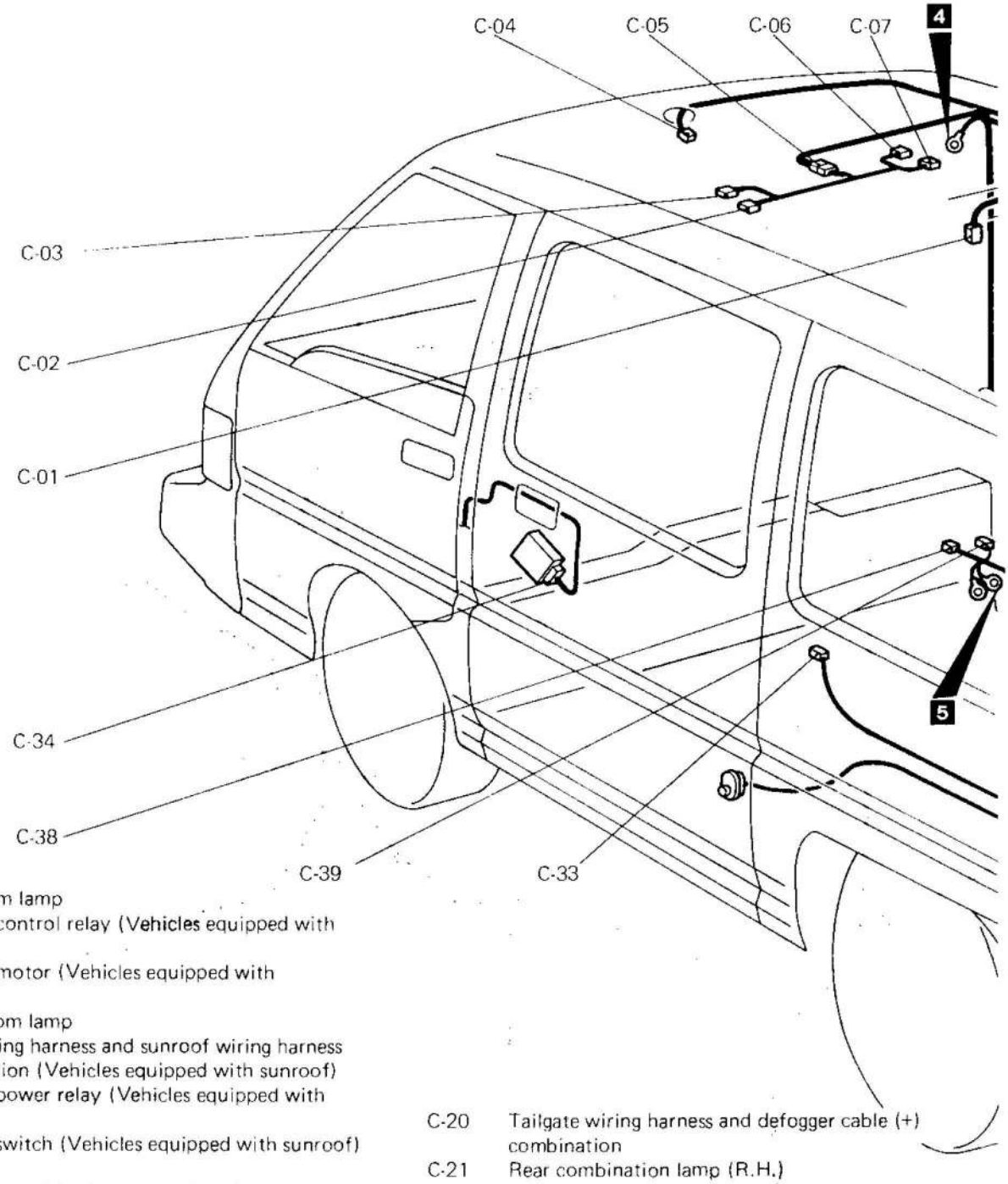
C-01 Rear room lamp
C-02 –
C-03 –
C-04 Front room lamp
C-05 ~ C-08 –
C-09 Room wiring harness and roof wiring harness combination
C-10 –
C-11 –
C-12 Roof wiring harness and tailgate wiring harness combination
C-13 ~ C-20 –
C-21 Rear combination lamp (R.H.)
C-22 –
C-23 –
C-24 Roof wiring harness and door switch (R.H.) combination
C-25 Roof wiring harness and license plate lamp (R.H.) combination
C-26 –
C-27 Tailgate switch
C-28 Roof wiring harness and licence plate lamp (L.H.) combination
C-29 Rear combination lamp (L.H.)
C-30 –
C-31 Roof wiring harness and door switch (L.H.) combination
C-32 ~ C-42 –
C-43 Resistor (Rear air conditioner)
C-44 Power relay C (Rear air conditioner)
C-45 Air conditioner blower motor (Rear air conditioner)
C-46 Thermo relay (Rear air conditioner)
C-47 Thermister (Rear air conditioner)
C-48 Volume (Rear air conditioner)
C-49 Air conditioner blower switch (Rear air conditioner)
C-50 Solenoid valve (Rear air conditioner)



Remarks
(1) For details of earth points (example: 6), refer to P. 3-11.
(2) "–" means that the connector with corresponding code-number is not used.

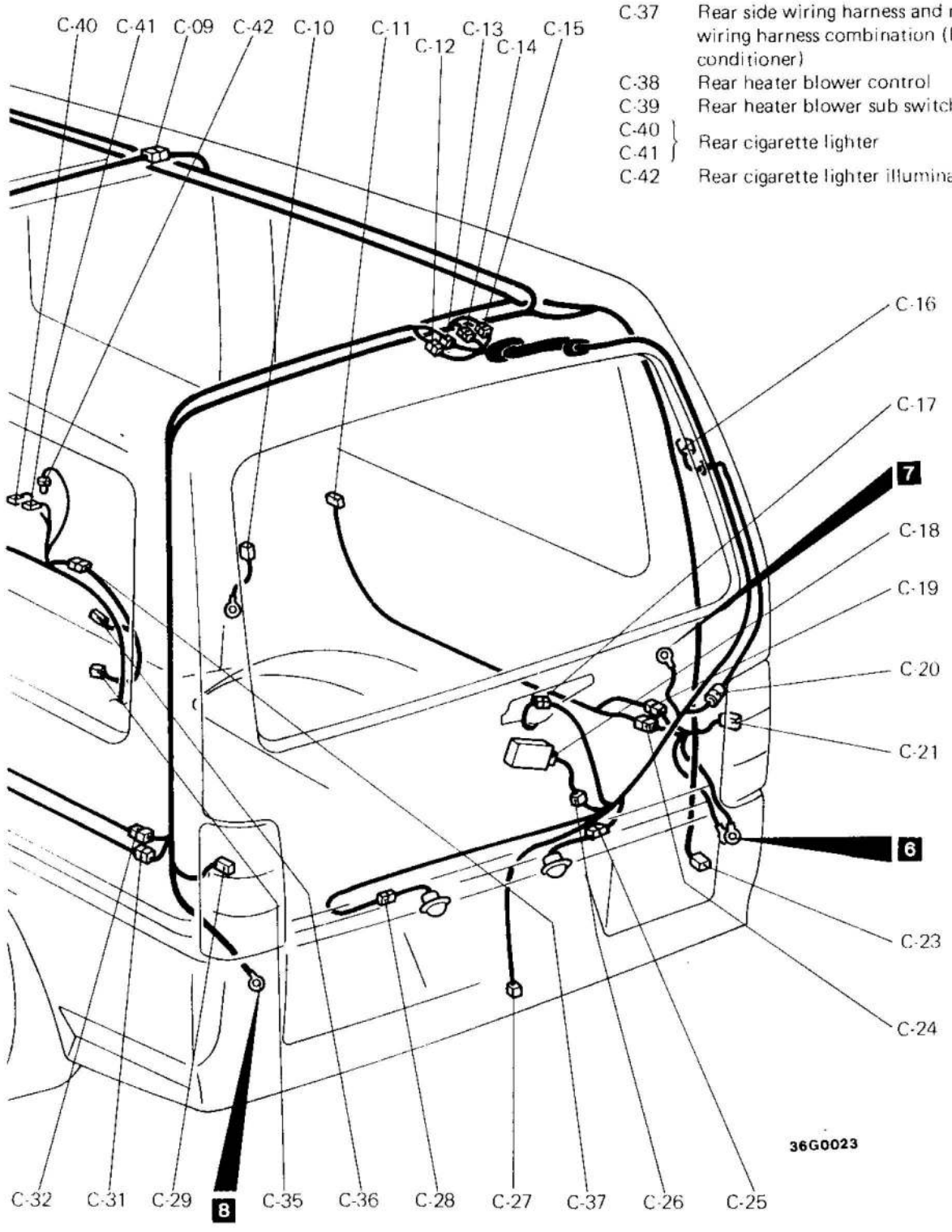
4-5 ROOF · TAILGATE · REAR SIDE (Vehicles for Australia)

Connector symbol **C**



C-01	Rear room lamp
C-02	Sunroof control relay (Vehicles equipped with sunroof)
C-03	Sunroof motor (Vehicles equipped with sunroof)
C-04	Front room lamp
C-05	Roof wiring harness and sunroof wiring harness combination (Vehicles equipped with sunroof)
C-06	Sunroof power relay (Vehicles equipped with sunroof)
C-07	Sunroof switch (Vehicles equipped with sunroof)
C-08	—
C-09	Room lamp wiring harness and roof wiring harness combination (Vehicles with long body)
C-10	Defogger (–)
C-11	Rear speaker (R.H.) (Mini-bus)
C-12, C-13, C-14, C-15	Roof wiring harness and tailgate wiring harness combination
C-16	Defogger (+)
C-17	Rear wiper motor
C-18	Tailgate lock actuator
C-19	Rear speaker wiring harness and roof wiring harness combination (Mini-bus)
C-20	Tailgate wiring harness and defogger cable (+) combination
C-21	Rear combination lamp (R.H.)
C-22	—
C-23	Rear washer motor
C-24	Roof wiring harness and door switch (R.H.) combination
C-25	Licence plate lamp (R.H.) and roof wiring harness combination
C-26	Roof wiring harness and tailgate wiring harness combination
C-27	Tailgate switch
C-28	Licence plate lamp (L.H.) and roof wiring harness combination
C-29	Rear combination lamp (L.H.)
C-30	—

C-35 Thermostat relay (Rear air conditioner)
C-36 Temperature control resistor (Rear air conditioner)
C-37 Rear side wiring harness and rear air conditioner wiring harness combination (Rear air conditioner)
C-38 Rear heater blower control
C-39 Rear heater blower sub switch
C-40, C-41 Rear cigarette lighter
C-42 Rear cigarette lighter illumination lamp



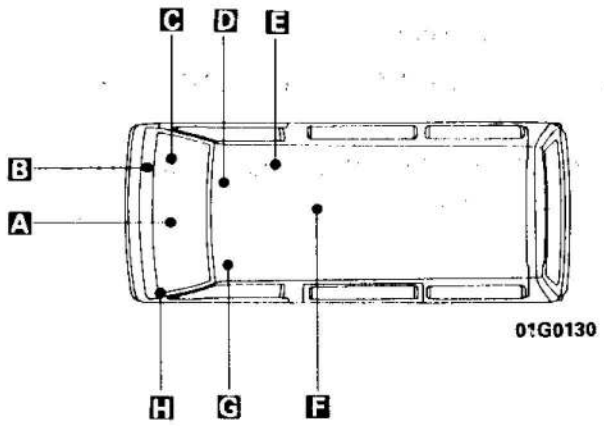
C-31 Roof wiring harness and door switch (L.H.) combination
C-32 Rear speaker wiring harness and roof wiring harness combination (Mini-bus)
C-33 Rear speaker (L.H.) (Mini-bus)
C-34 Rear door lock actuator

Remarks
(1) For details of earth points (example: 6), refer to P. 3-11.
(2) "-" means that the connector with corresponding code-number is not used.

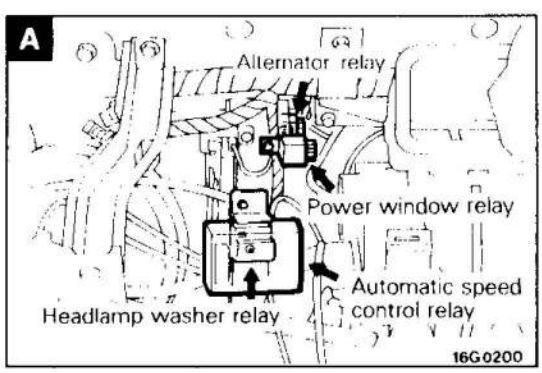
3 SINGLE PART INSTALLATION POSITION

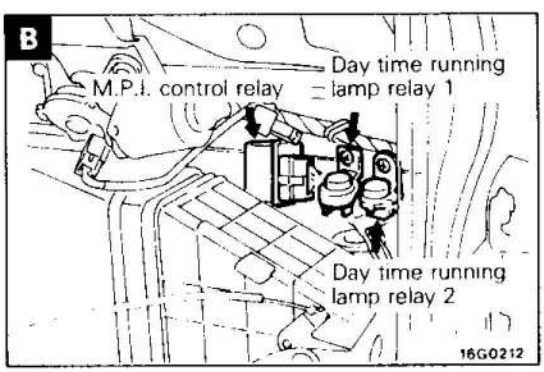
RELAY MOUNTING LOCATIONS

L.H. drive vehicles



Name	Symbol	Name	Symbol
Automatic speed control unit	A	Belt warning timer	H
Alternator relay	A	Cold mixture heater relay	G
Rear fog lamp relay	H	Day time running lamp relay 1	B
Day time running lamp relay 2	B	Defogger relay	H
F.B.C. control unit	E	Flasher unit	H
Glow control unit	E	Glow plug relay	E
Glow plug relay (No. 1)	E	Glow plug relay (No. 2)	E
Headlamp relay	H	Headlamp washer relay	A
M.P.I. control relay	B	M.P.I. control unit	E
Power window relay	A	Rear heater relay	H
Rear wiper intermittent relay	C	Starter relay	E
Sunroof No. 1 relay	F	Sunroof No. 2 relay	F
Vacuum pump relay	D		





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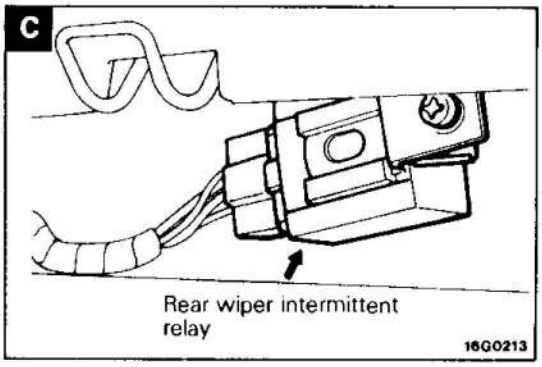

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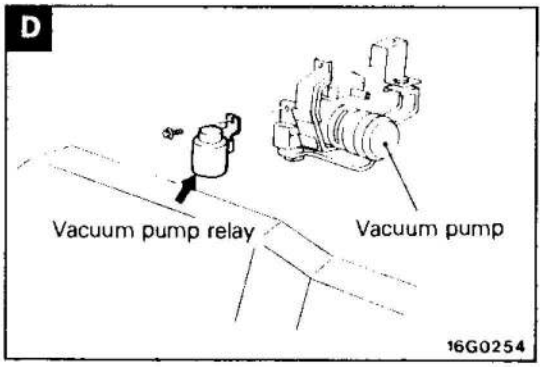
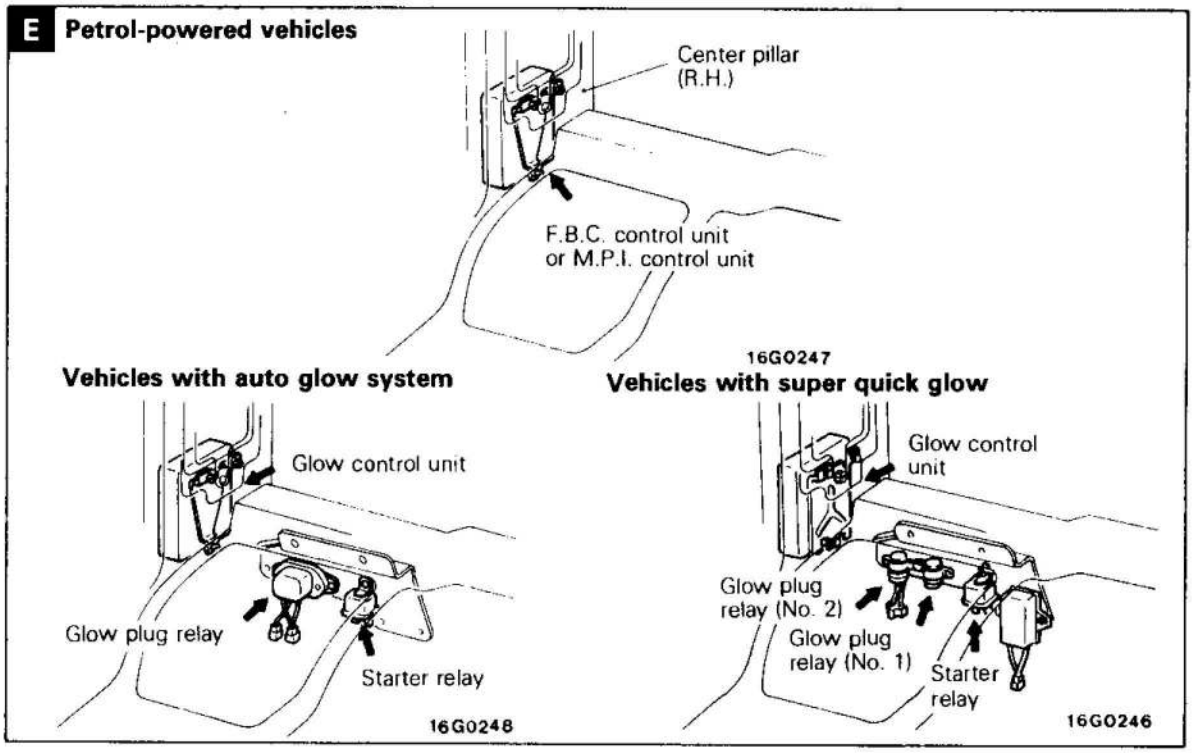


E **Petrol-powered vehicles**



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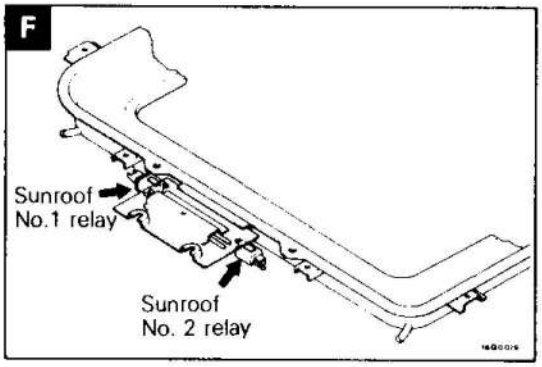

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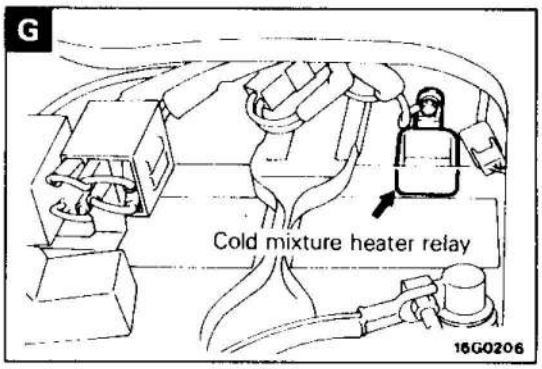
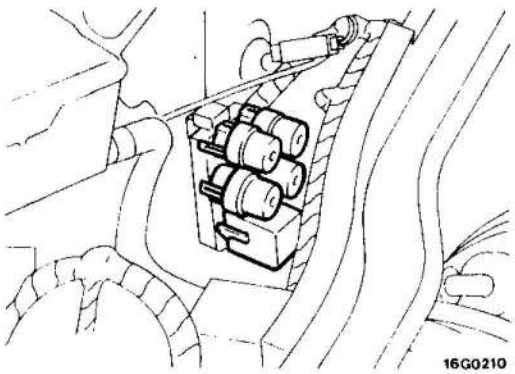
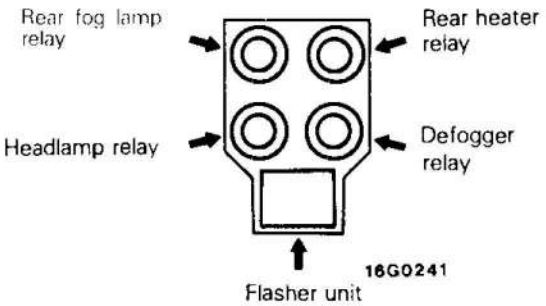


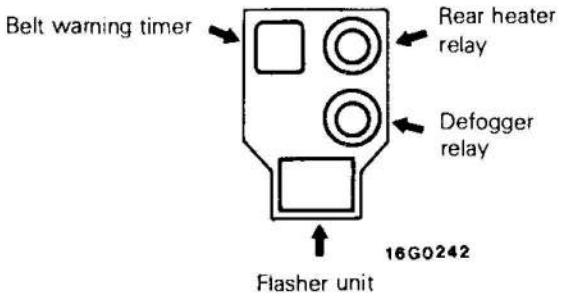
H



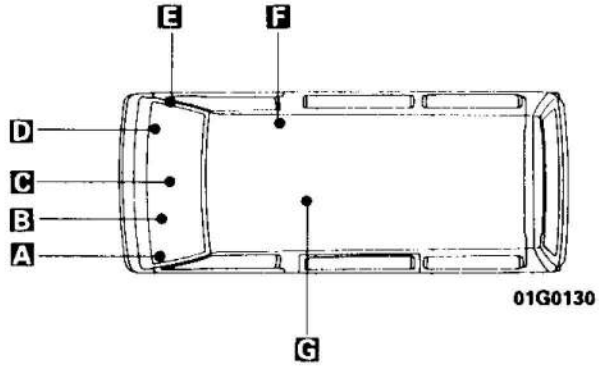
Vehicles for Europe



Vehicles for General Export

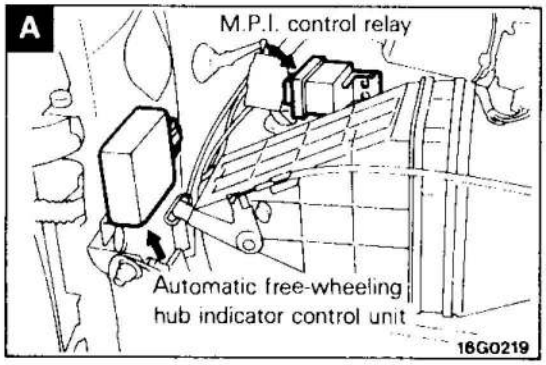


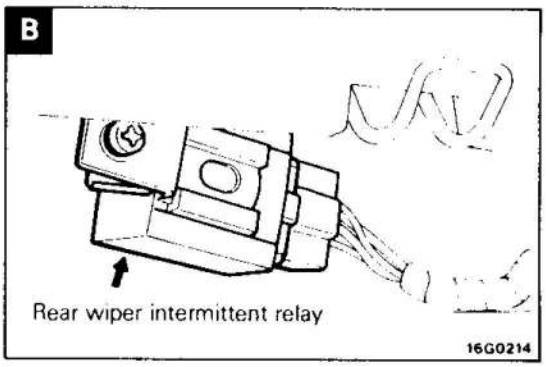
R.H. drive vehicles



Name	Symbol	Name	Symbol
*Automatic free-wheeling hub indicator control unit	A	Choke relay	D
Defogger relay	E	Dim-dip lamp relay	E
*Door lock control unit	D	*Door lock power relay	D
F.B.C. control unit	F	Flasher unit	E
Glow control unit	F	Glow plug relay	F
Glow plug relay (No. 1)	F	Glow plug relay (No. 2)	F
Headlamp relay	E	*M.P.I. control relay	A
*M.P.I. control unit	F	*Over drive relay	C
Power window relay	E	Rear heater relay	E
Rear wiper intermittent relay	B	Starter relay (Diesel-powered vehicles)	F
*Starter relay (Petrol-powered vehicles)	C	Sunroof No. 1 relay	G
Sunroof No. 2 relay	G		

NOTE
* indicates vehicles for Australia.





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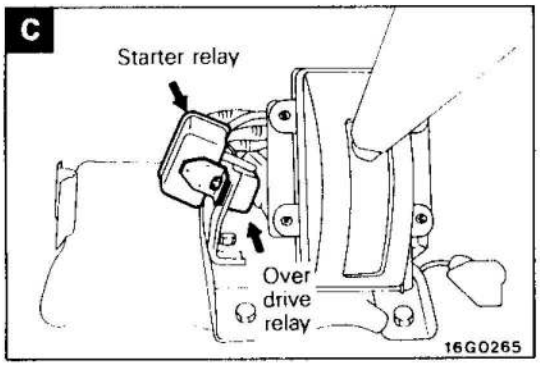

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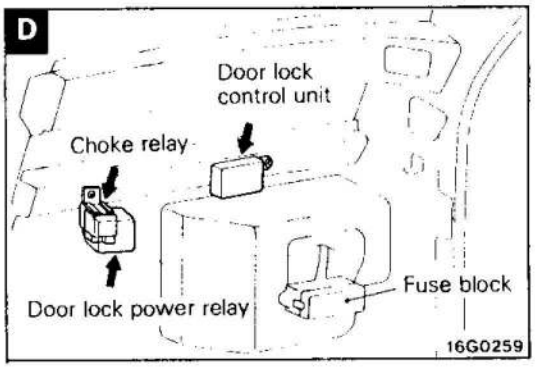

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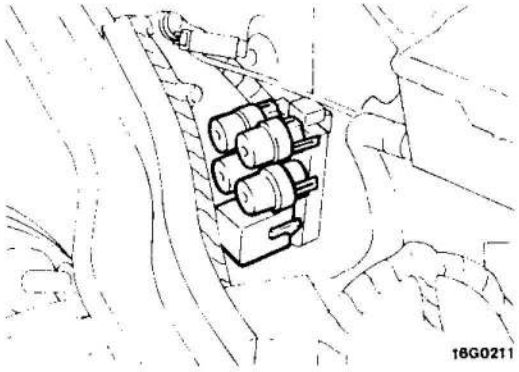
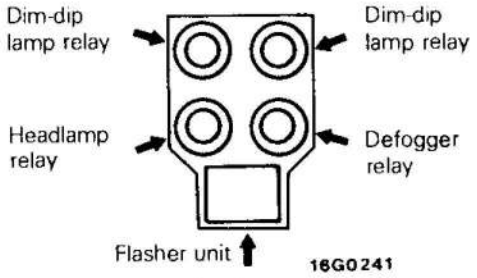
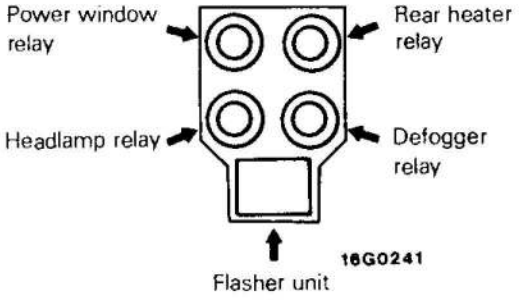


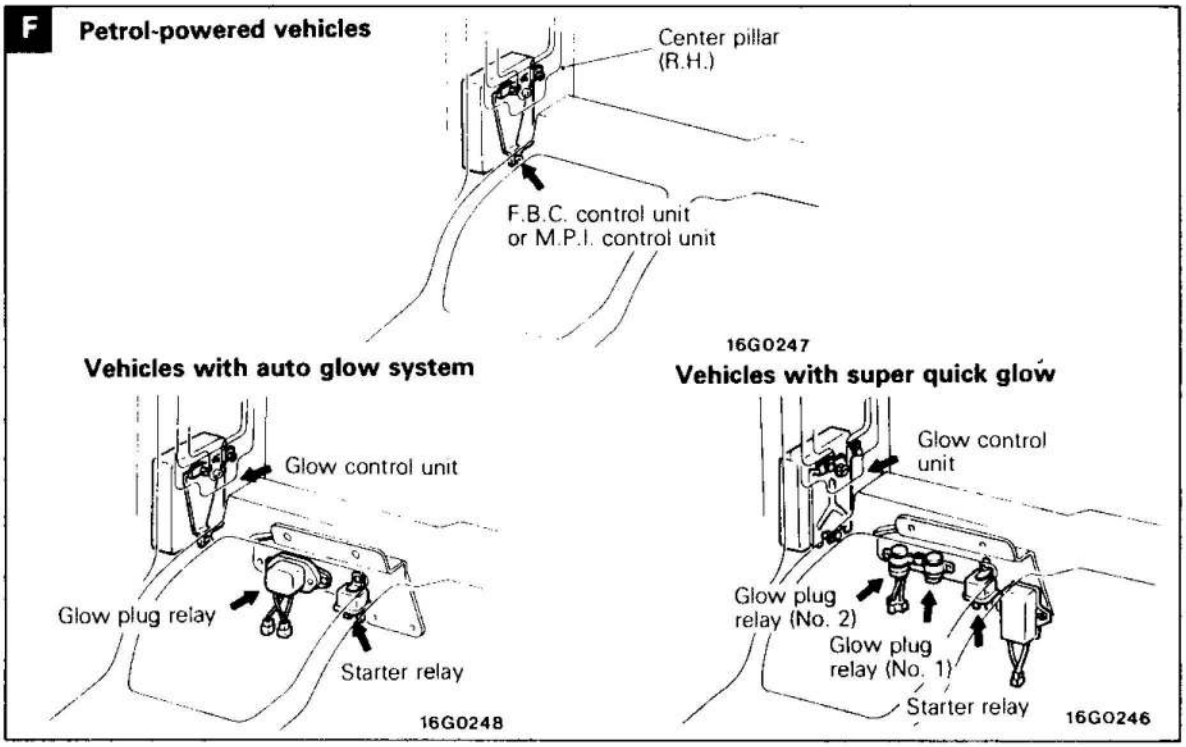
Vehicles for Europe



Vehicles for General Export and Australia



F **Petrol-powered vehicles**



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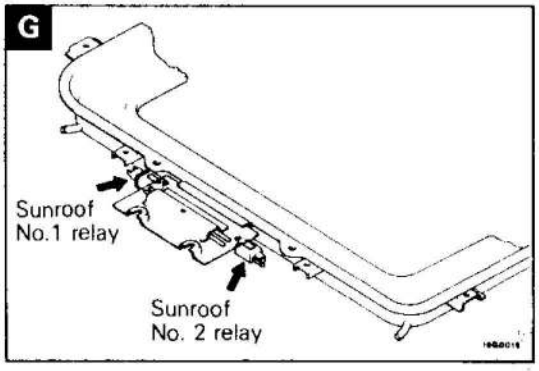
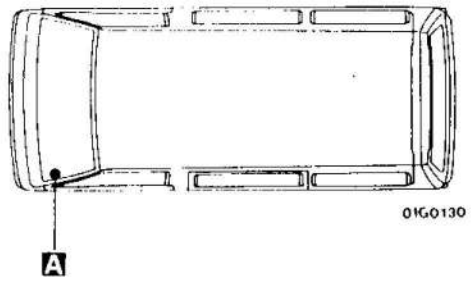
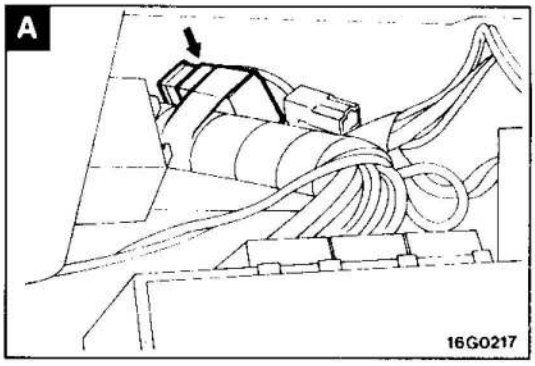


MOUNTING POSITION OF DIODES AND CONDENSER

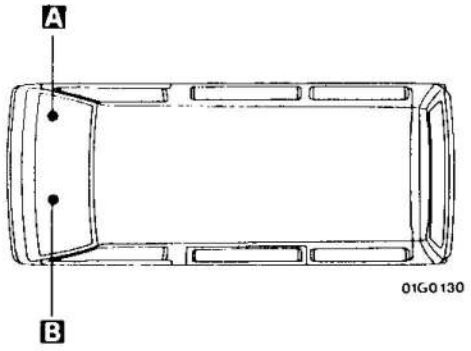
L.H. drive vehicles



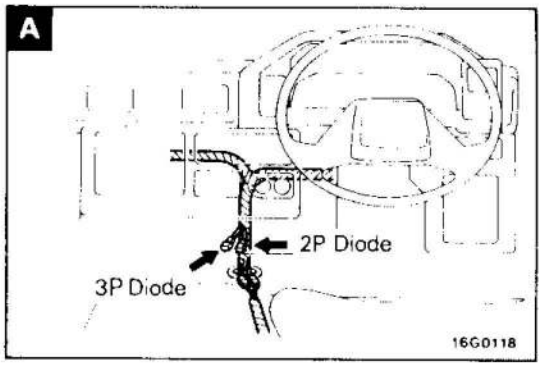


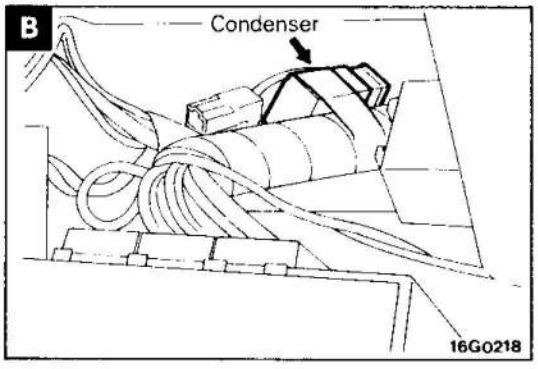
Name	Symbol
Condenser	A

R.H. drive vehicles

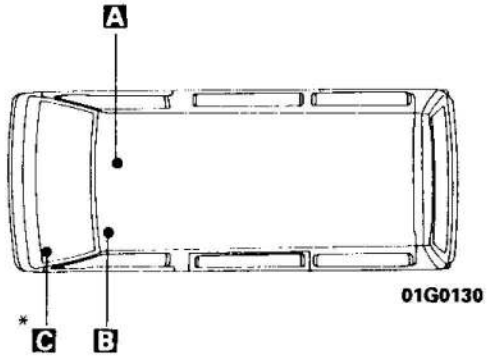


Name	Symbol
Condenser	A
2P Diode (for tailgate unlock)	B
3P Diode (for step lamp)	B



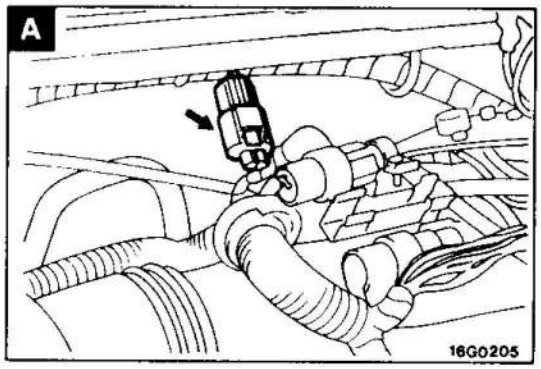


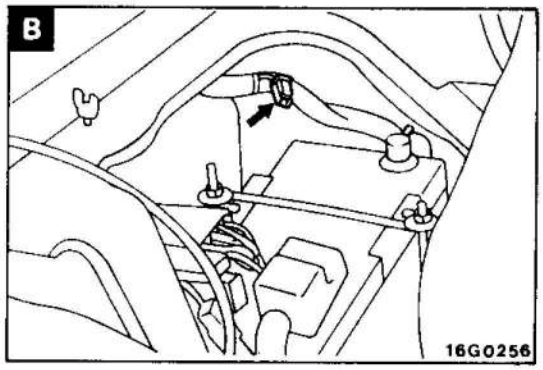
INSPECTION TERMINALS (M.P.I. TYPE)

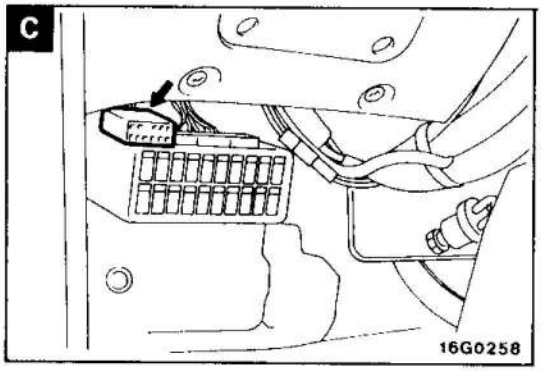


Name	Symbol
Ignition stabilizing terminal	A
Fuel pump inspection terminal	B
Self-diagnosis terminal	C

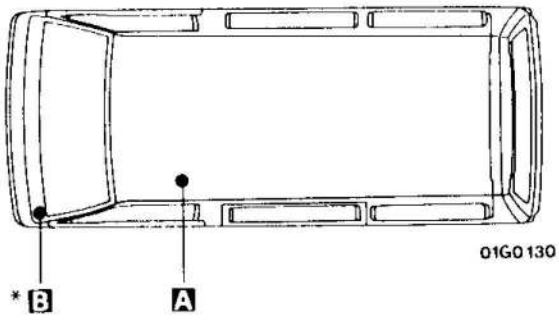
NOTE
For R.H. drive vehicles, only the positions indicated by the *are symmetrical.





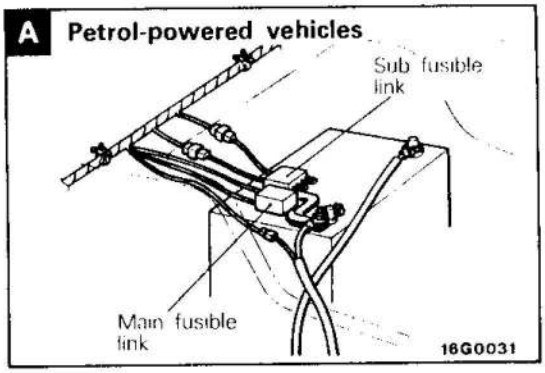


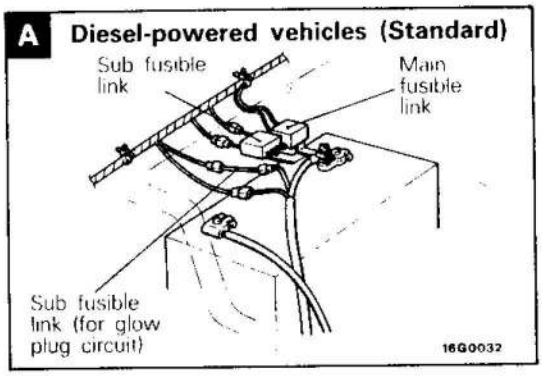
MOUNTING LOCATIONS OF FUSIBLE LINK AND FUSE

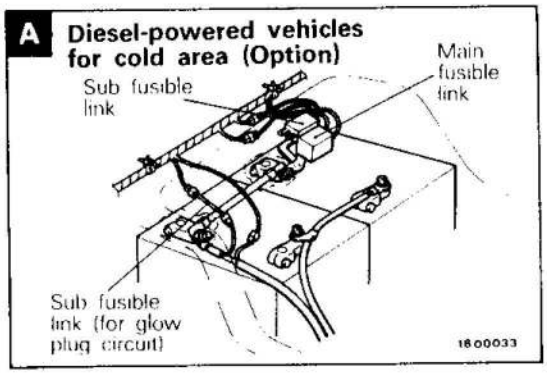


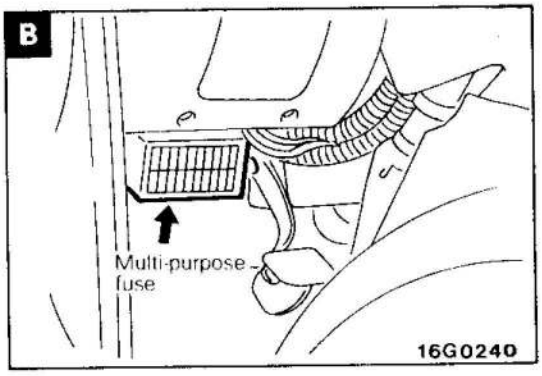
Name	Symbol
Sub fusible link	A
Sub fusible link (for glow plug circuit)	
Main fusible link	
Multi-purpose fuse	B

NOTE
For R.H. drive vehicles, only the positions indicated by the * are symmetrical.

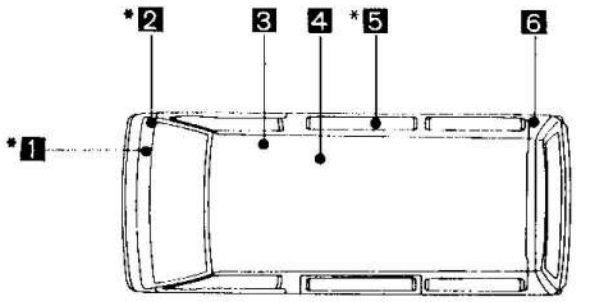






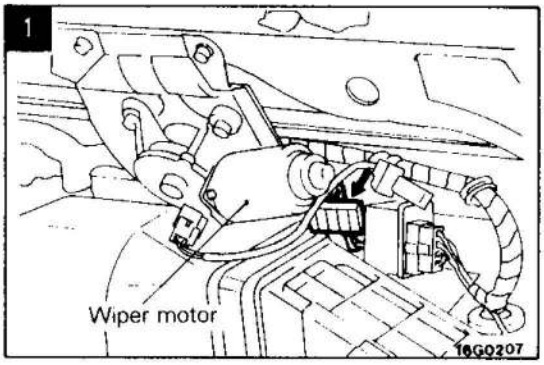


CENTRALIZED EARTH POINTS



NOTE
For R.H. drive vehicles, only the positions indicated by the * are symmetrical.

1



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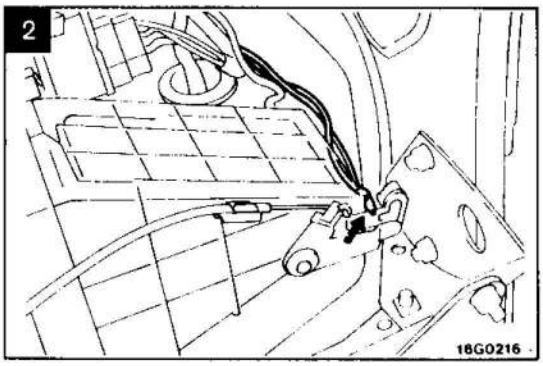

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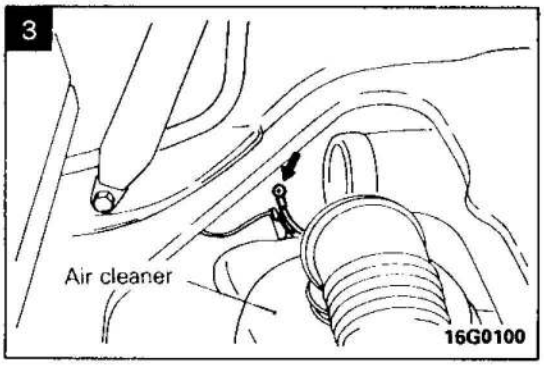
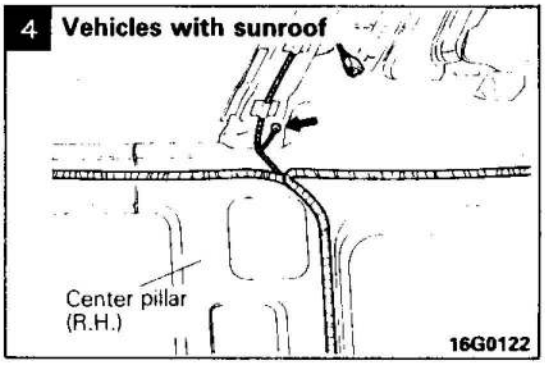
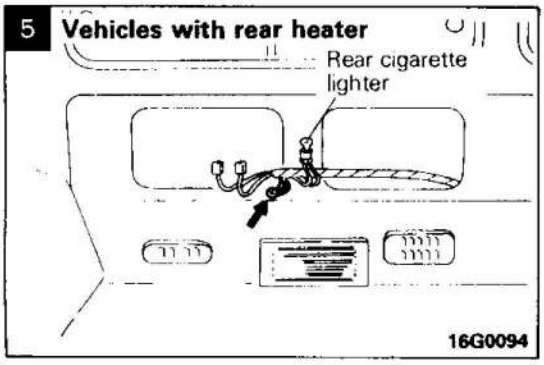


4 **Vehicles with sunroof**



5 **Vehicles with rear heater**



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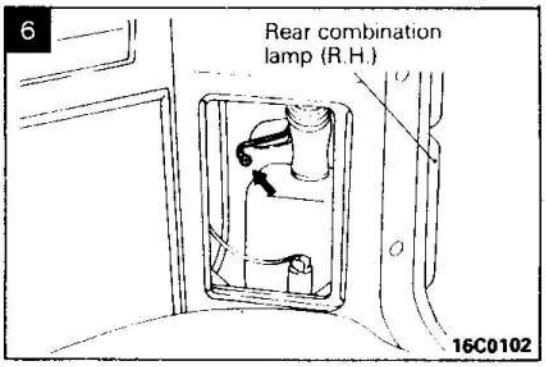
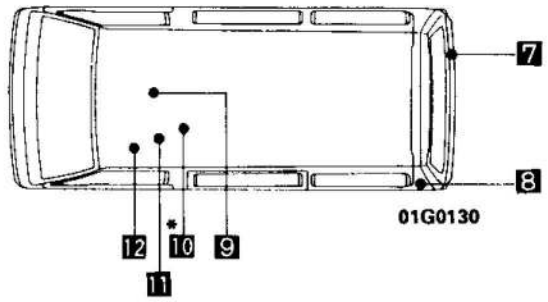
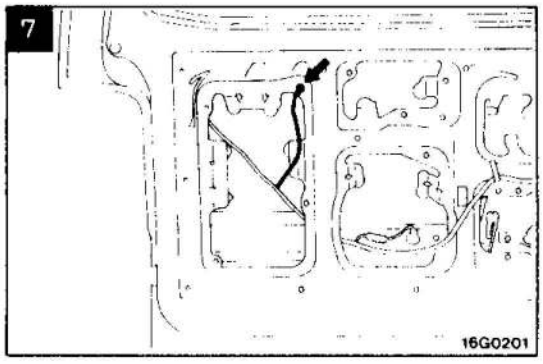


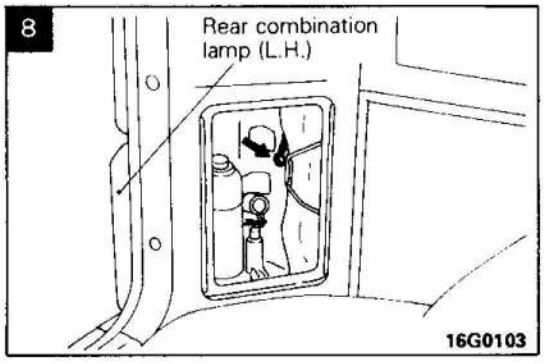


NOTE
For R.H. drive vehicles, only the positions indicated by the * are symmetrical.

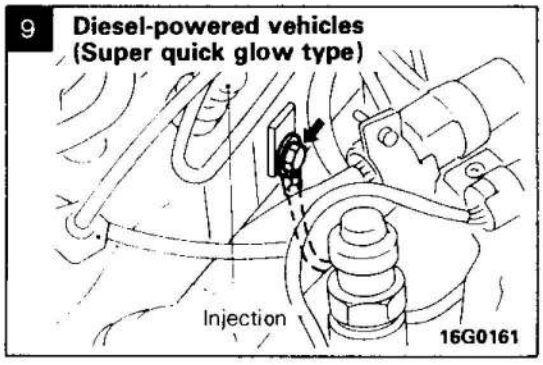
7



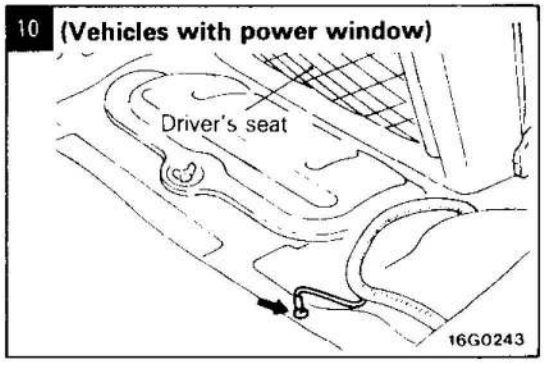
8



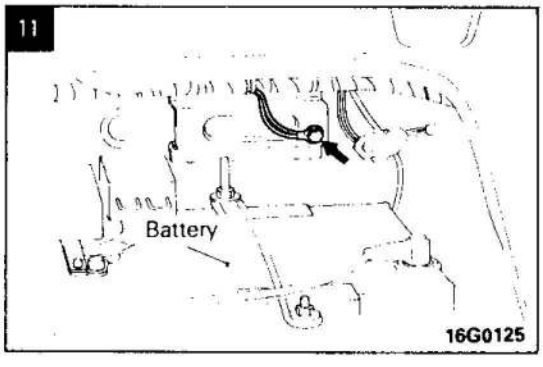
9 **Diesel-powered vehicles (Super quick glow type)**



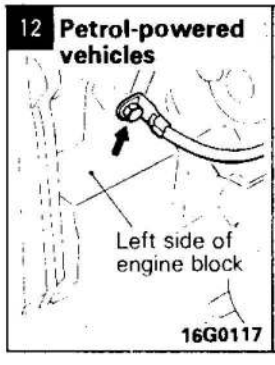
10 **(Vehicles with power window)**



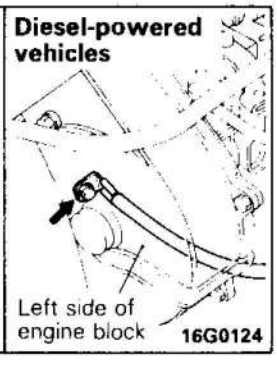
11

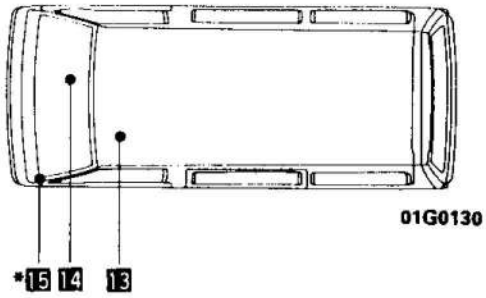


12 **Petrol-powered vehicles**

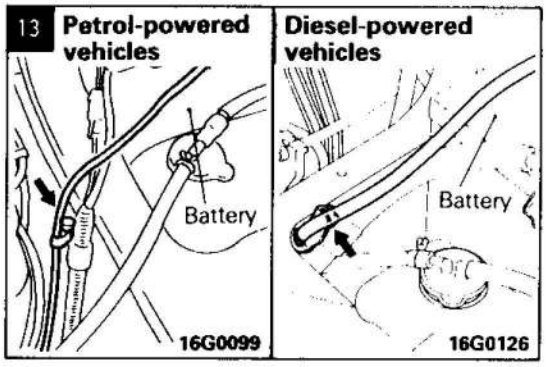


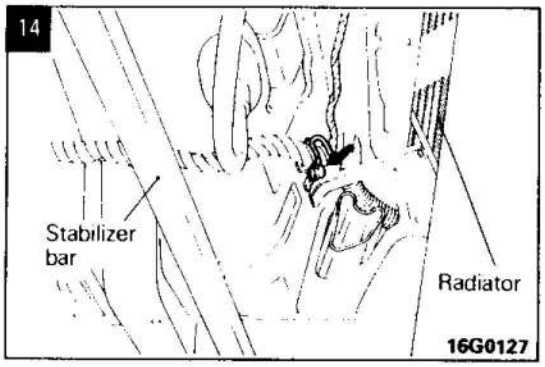
Diesel-powered vehicles

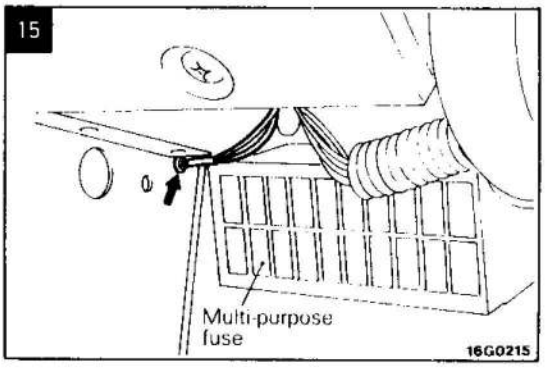




NOTE
For R.H. drive vehicles, only the positions indicated by the * are symmetrical.



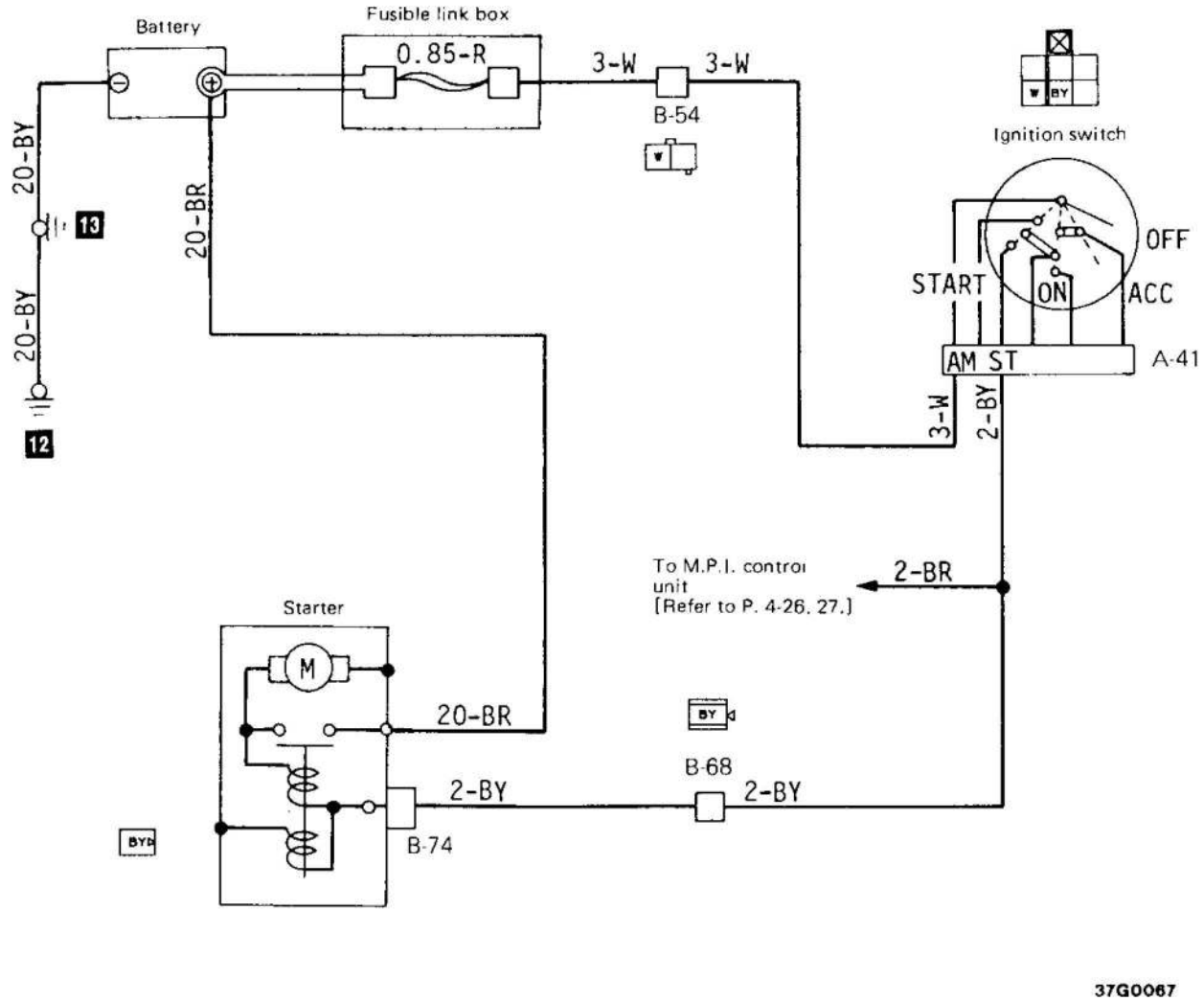




4 CIRCUIT DIAGRAM

1 STARTING CIRCUIT

1-1 Petrol-powered vehicles (Vehicles for General Export and Europe)

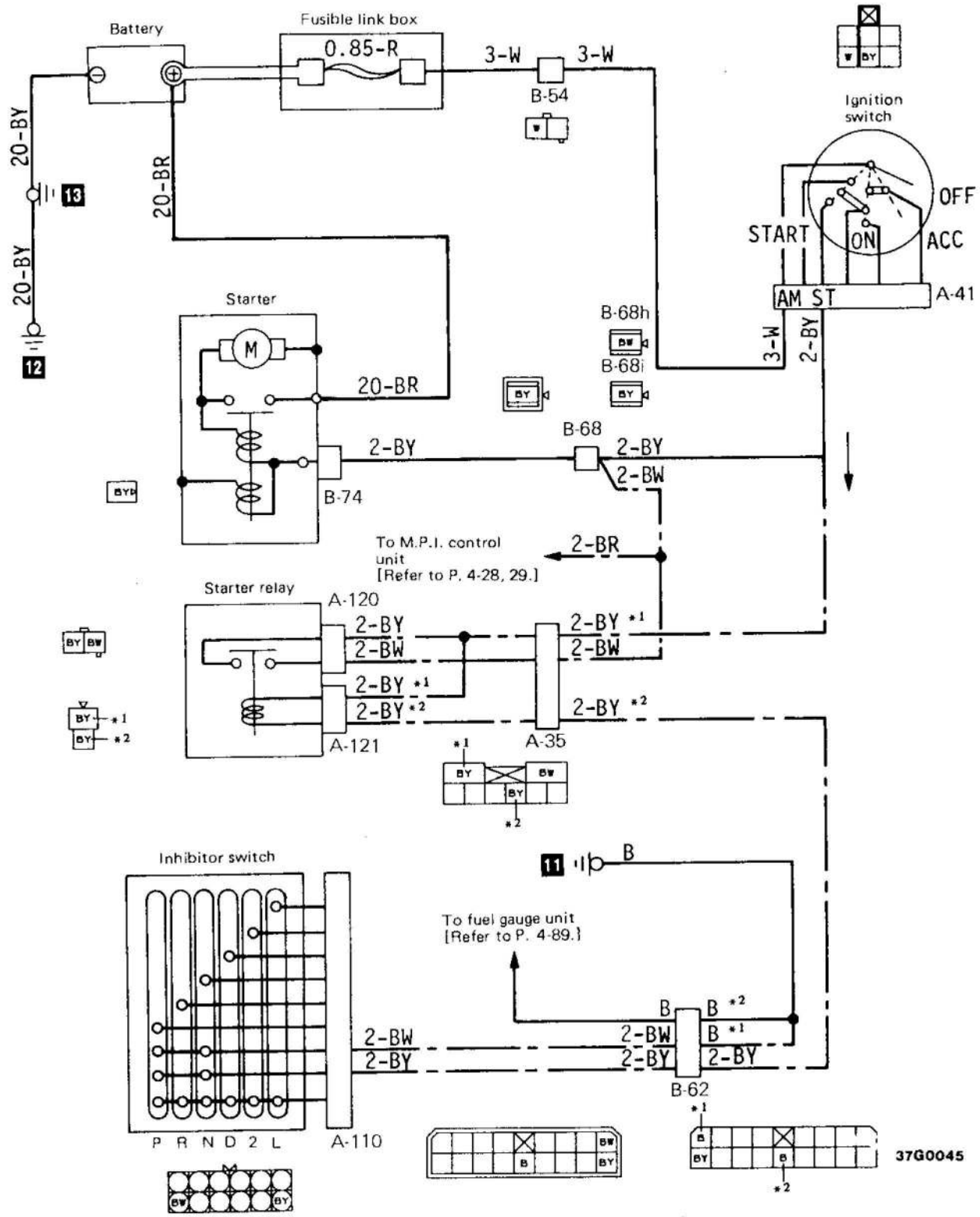


Remark
For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
LI: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

1-2 Petrol-powered vehicles (Vehicles for Australia)

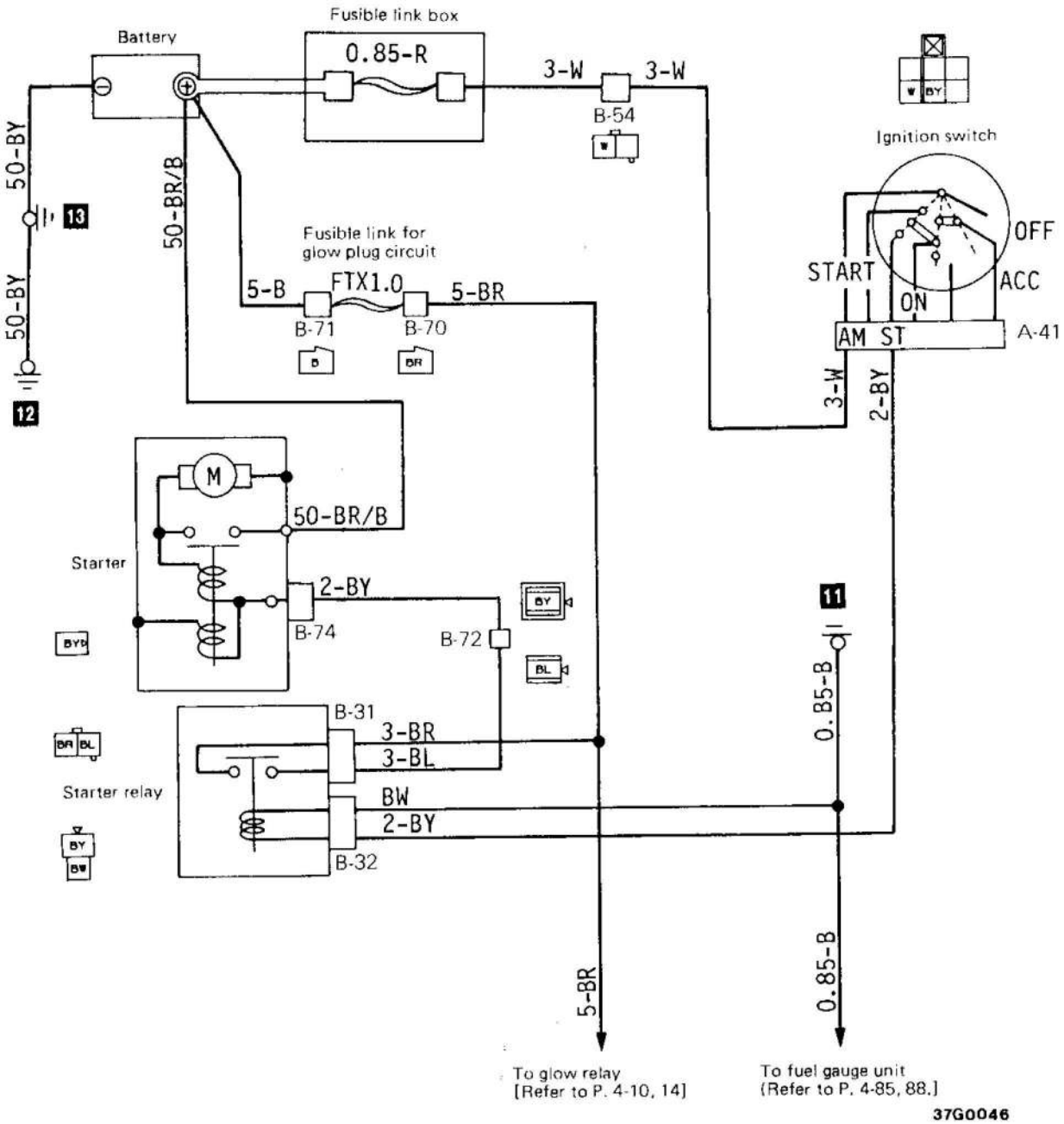


Remarks
(1) The chain line (—·—) is applicable to vehicles with an automatic transmission.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		

1-3 Diesel-powered vehicles



Remark
For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue	Lg:	Light green
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red	Sb:	Silver	Y:	Yellow	W:	White

TROUBLESHOOTING

1 STARTING CIRCUIT [Refer to P. 4-2, 3, 4]

Symptom \ Inspection items	Fusible link (FTX1.0)*	Inhibitor switch**	Starter relay*,**	Ignition switch	Starter motor	Wiring harness and connector connection	Earth
The starter motor does not revolve (Also the magnetic switch fails to operate)	①	②	③	④	⑤	⑥	⑦

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates diesel-powered vehicles.
(3) The ** symbol indicates vehicles with an automatic transmission.

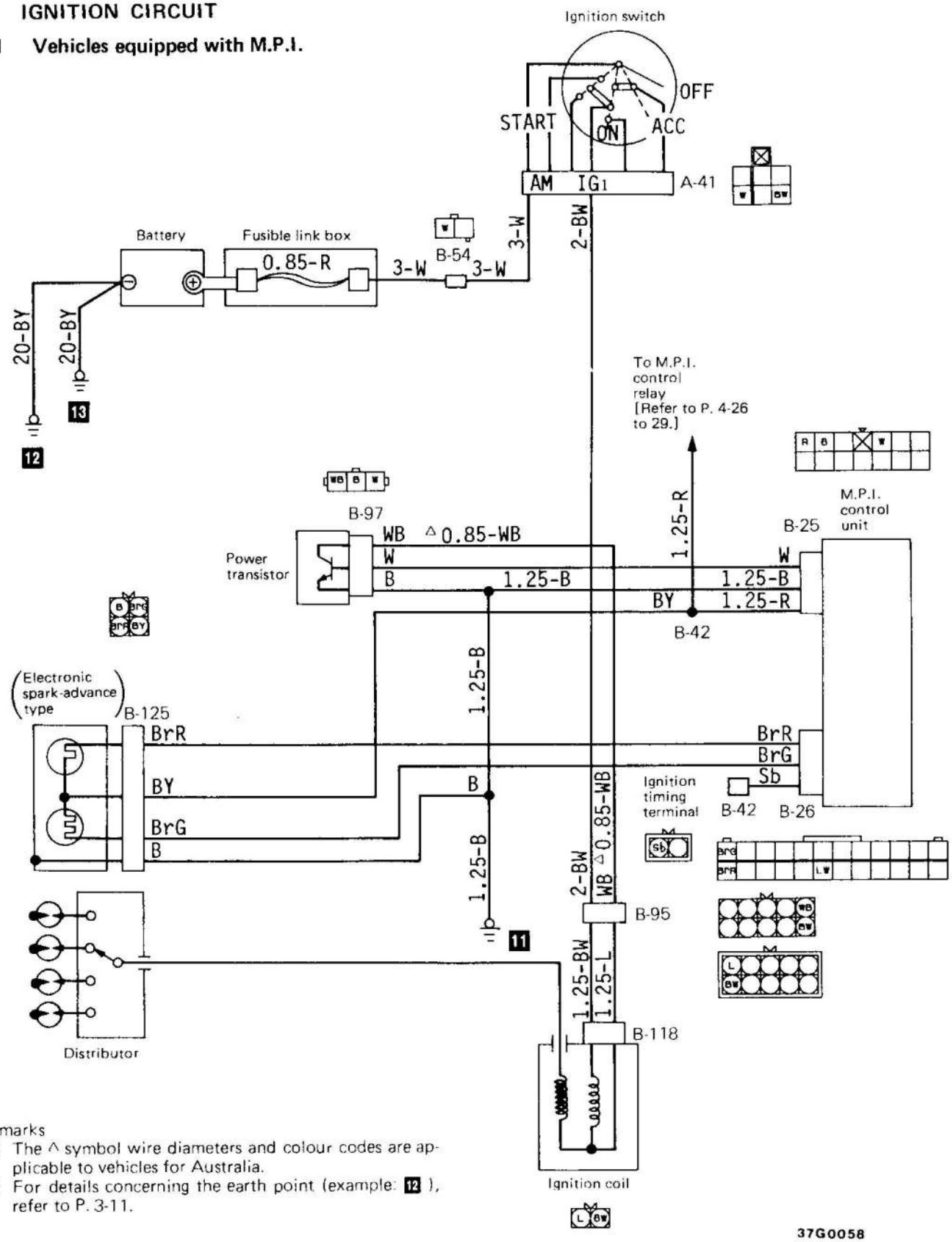
2 IGNITION CIRCUIT [Refer to P. 4-6, 7]

Sympton \ Inspection items	Spark plug	Spark plug cable	High tension cable	Ignition coil	Distributor	Power transistor*	Wiring harness and connector connection	Earth	M.P.I. control unit*	Other inspection items
Engine won't start, or is difficult to start	①	②	③	④	⑤	⑥	⑦	⑧	⑨	• Ignition timing • Point gap** • Fuel system • Drive belt

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles equipped with M.P.I.
(3) The ** symbol indicates vehicles for General Export.

2 IGNITION CIRCUIT

2-1 Vehicles equipped with M.P.I.

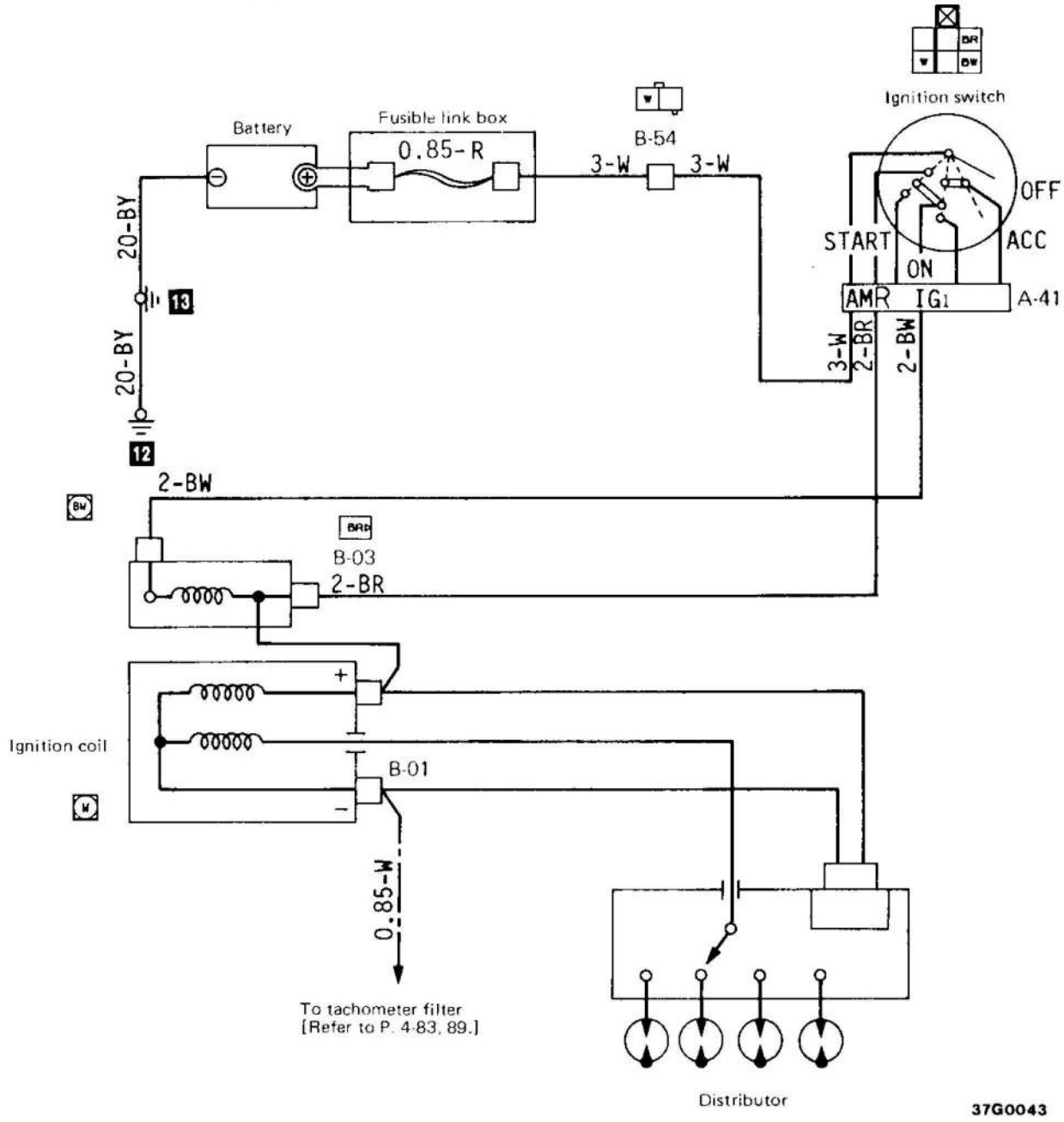


Remarks
(1) The △ symbol wire diameters and colour codes are applicable to vehicles for Australia.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue	Lg:	Light green
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red	Sb:	Silver	Y:	Yellow	W:	White

2-2 Except vehicles equipped with M.P.I.

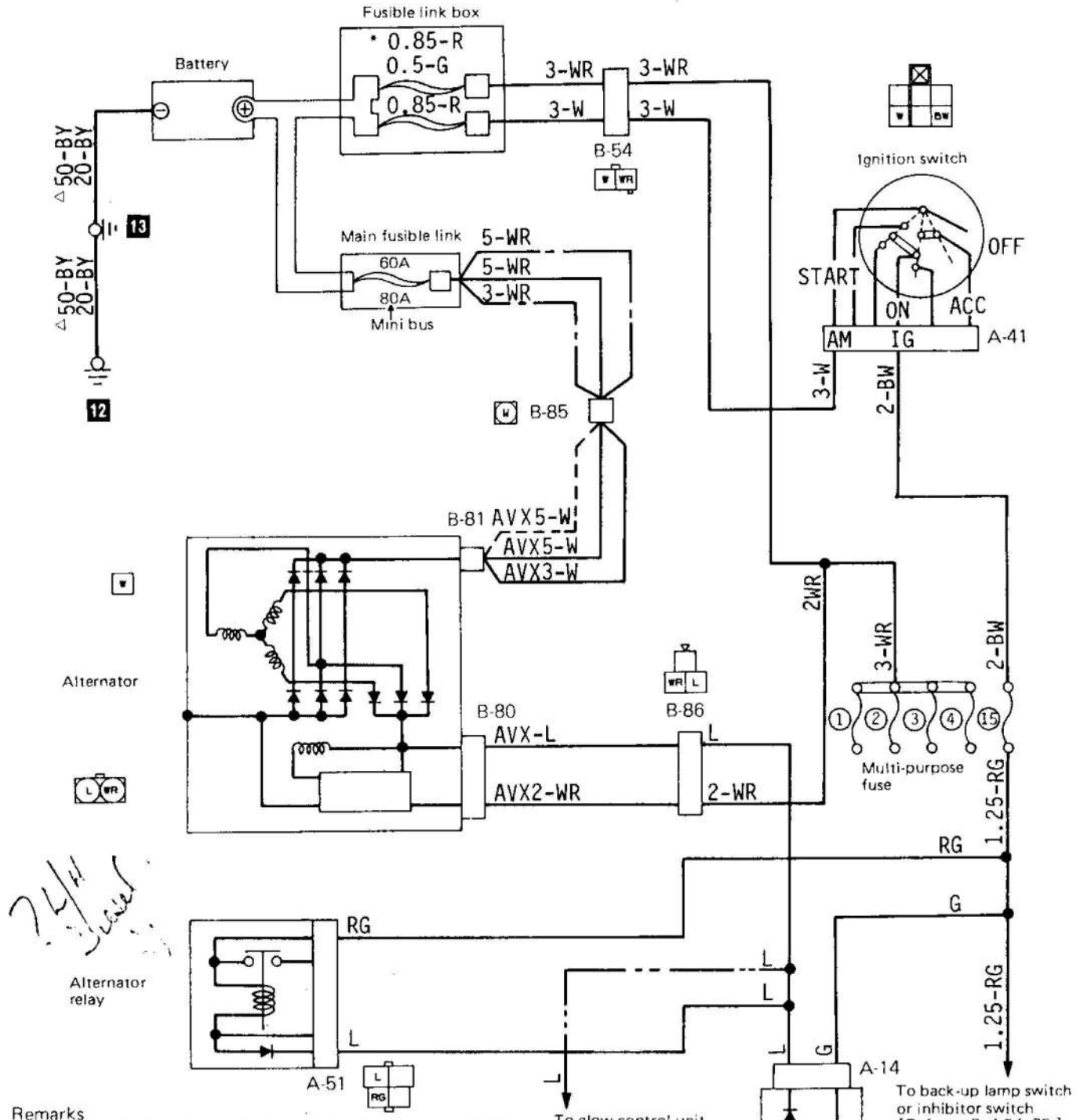


Remarks
(1) For details concerning the earth point (example: 12) refer to P. 3-11.
(2) The chain line (— · —) is applicable to vehicles for Australia.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue	Lg:	Light green		
Lt:	Light Blue	O:	Orange	P	Pink	R:	Red	Sb:	Silver	Y:	Yellow	W:	White

3 CHARGING CIRCUIT



Remarks

(1) The broke line (-----) indicates the 1400 cc and 1600 cc vehicles.
(2) The chain line (—·—·—) indicates vehicles equipped with the rear heater, and Panel van M.P.I. vehicles (for Australia).
(3) The two-point chain line (—··—) is applicable to diesel-powered vehicles.
(4) The fusible link box * symbol wire diameter and colour code is applicable to vehicles equipped with the 4-lamp type of headlamps.
(5) The △ symbol wire diameter and colour codes are applicable to diesel-powered vehicles.
(6) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray
L: Blue	Lg: Light green	Ll: Light Blue	O: Orange
P: Pink	R: Red	Sb: Silver	Y: Yellow
W: White			

TROUBLESHOOTING

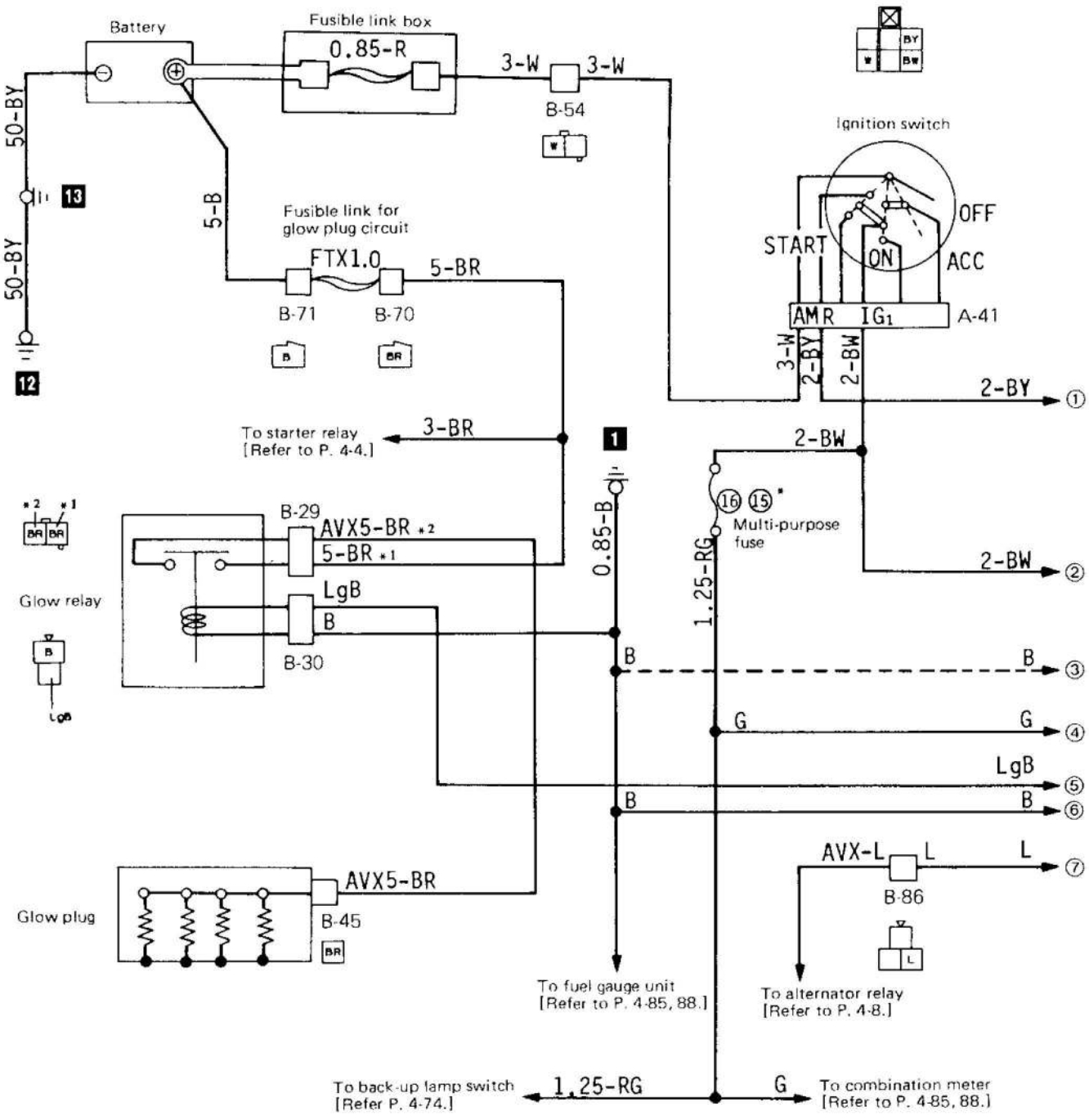
3 CHARGING CIRCUIT [Refer to P. 4-8]

Inspection items / Symptom	Fusible link		Fuse No. 15	Indicator bulb	Printed circuit board	Alternator		Wiring harness and connector connection	Earth	Other inspection items
	0.5-G or 0.85-R*	60A or 80A**				IC regulator	Main unit			
When the ignition key is at ON (without starting the engine) the indicator fails to illuminate			①	②	③	④	⑥	⑤	⑦	
Starting the engine does not make the indicator go off						①	③	②		• Drive belt
Run-down battery	①					②	⑤	③	④	• Battery • Drive belt
Overcharge						①				

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles equipped with 4-lamp type of headlamps.
(3) The ** symbol indicates Mini bus.

4 GLOW CIRCUIT

4-1 Auto glow type



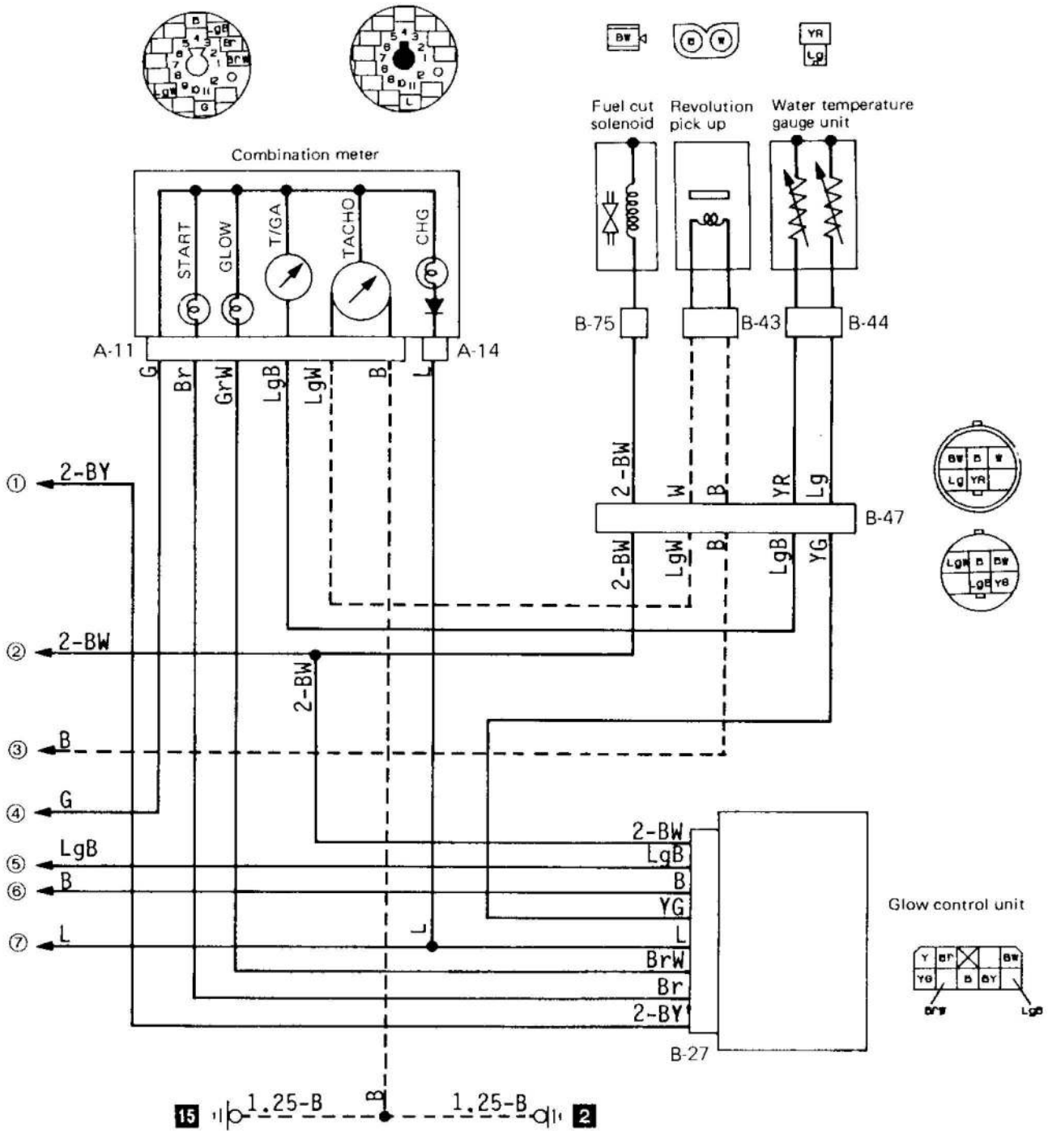
Remarks

(1) The broken line (-----) is applicable to vehicles equipped with tachometer.

(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)

(3) For details concerning the earth point (example: 12), refer to P. 3-11.

(4) The multi-purpose fuse's * symbol fuse number is applicable to vehicles for General Export and Australia.



Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				

TROUBLESHOOTING

4 GLOW CIRCUIT

4-1 Auto glow type [Refer to P. 4-10, 11]

Inspection items / Symptom	Fusible link FTX 1.0	Fuse No. 16	Ignition switch	Glow relay	Glow control unit	Water temperature sensor (unified with water temp. unit)	Glow plug	Fuel cut solenoid	Wiring harness and connector connection	Earth
Engine starting malfunction	②	①	⑤	⑥	⑧	⑦	⑨		③	④
Indicator doesn't change from "GLOW" to "START"					②	①				
Engine doesn't stop					③			②	①	

NOTE
Number in circle indicates inspection sequence.

TERMINALS VOLTAGE CHART

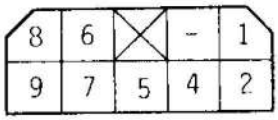
(1) Check with glow control unit connector connected.

Terminal	Connect area or measuring part	Tester connection	Check conditions	Standard value
2	Glow plug relay	2-earth	Ignition switch ON	Indicates battery voltage for about 30 seconds after ON.

(2) Remove glow control unit connector. Check with harness side connector.

Terminal	Connect area or measuring part	Tester connection	Check condition	Standard value
1	Ignition switch (IG[1] power source)	1-earth	Ignition switch ON	Battery voltage
4	Ignition switch	4-earth	During engine cranking	Battery voltage
6	Preheat indication lamp	6-earth	Constantly	Battery voltage
7	Start indication lamp	7-earth	Constantly	Battery voltage
8	Altermator L terminal	8-earth	Ignition switch ON	1–4 V

Connector on harness side in glow control unit



16G0053

4-2 Super quick glow type [Refer to P. 4-14, 15]

Inspection items / Sympton	Fusible link FTX 1.0	Ignition switch	Resistor	Glow relay	Glow control unit	Water temperature sensor (unified with water temp. unit)	Glow plug	Fuel cut solenoid	Wiring harness and connector connection	Earth
Engine starting malfunction	①	④	⑤	⑥	⑦	⑧	⑨		②	③
Engine doesn't stop					③			②	①	

NOTE
Number in circle indicates inspection sequence.

TERMINALS VOLTAGE CHART

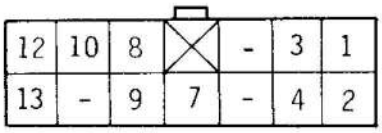
(1) Check with glow control unit connector connected.
*Read voltage measurement quickly.

Terminal	Connect area or measuring part	Tester connection	Check conditions	Standard value
2	Glow plug relay (1)	2-earth	Ignition switch OFF → ON (when glow plug is cool)	Indicates battery voltage for about 3 seconds after ON.
4	Glow plug relay (2)	4-earth	Ignition switch OFF → ON (when glow plug is cool)	Indicates battery voltage for about 3 seconds after ON.
			During engine cranking	About 8–10 battery voltage

(2) Remove glow control unit connector. Check with harness side connector.

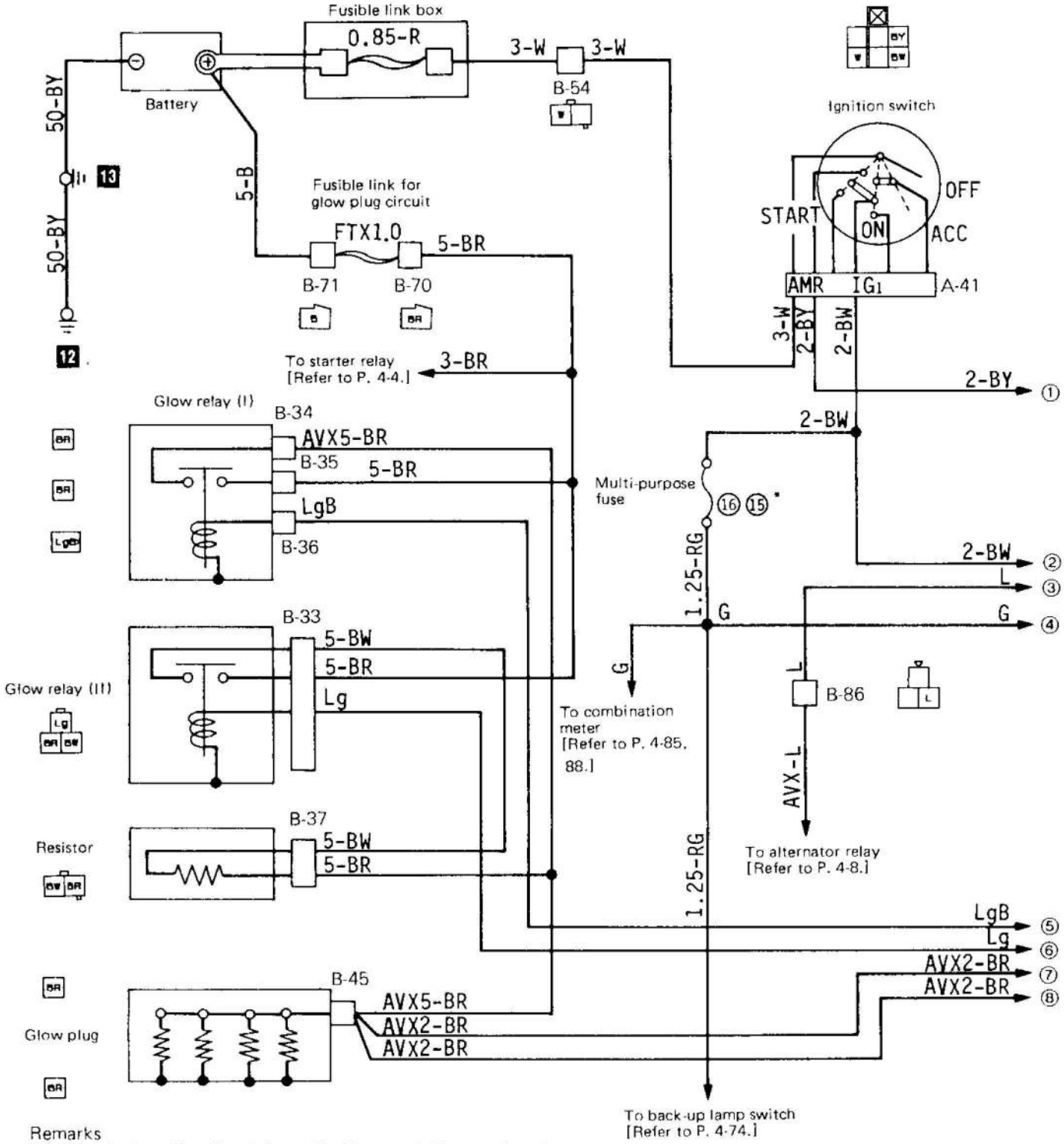
Terminal	Connect area or measuring part	Tester connection	Check condition	Standard value
1	Ignition switch (IG^1 power source)	1-earth	Ignition switch ON	Battery voltage (about 12 V)
3	Ignition switch (ST power source)	3-earth	During engine cranking	Battery voltage (8–10 V)
12	Alternator L terminal	12-earth	Ignition switch ON	1–4 V

Connector on harness side in glow control unit



16G0054

4-2 Super quick glow type



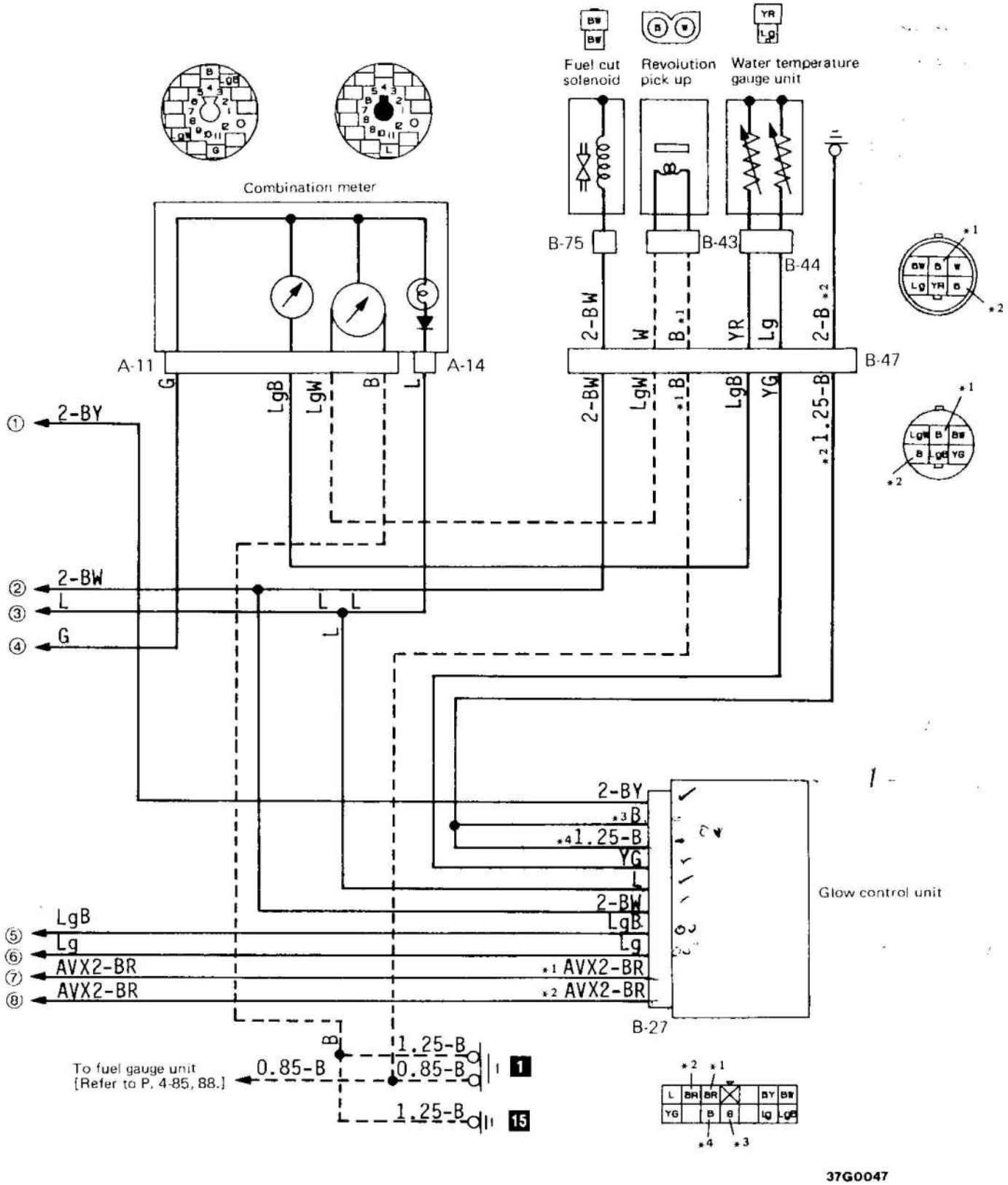
Remarks

(1) The broken line (-----) is applicable to vehicles equipped with tachometer.

(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)

(3) For details concerning the earth point (example: 12), refer to P. 3-11.

(4) The multi-purpose fuse's * symbol fuse number is applicable to vehicles for General Export and Australia.

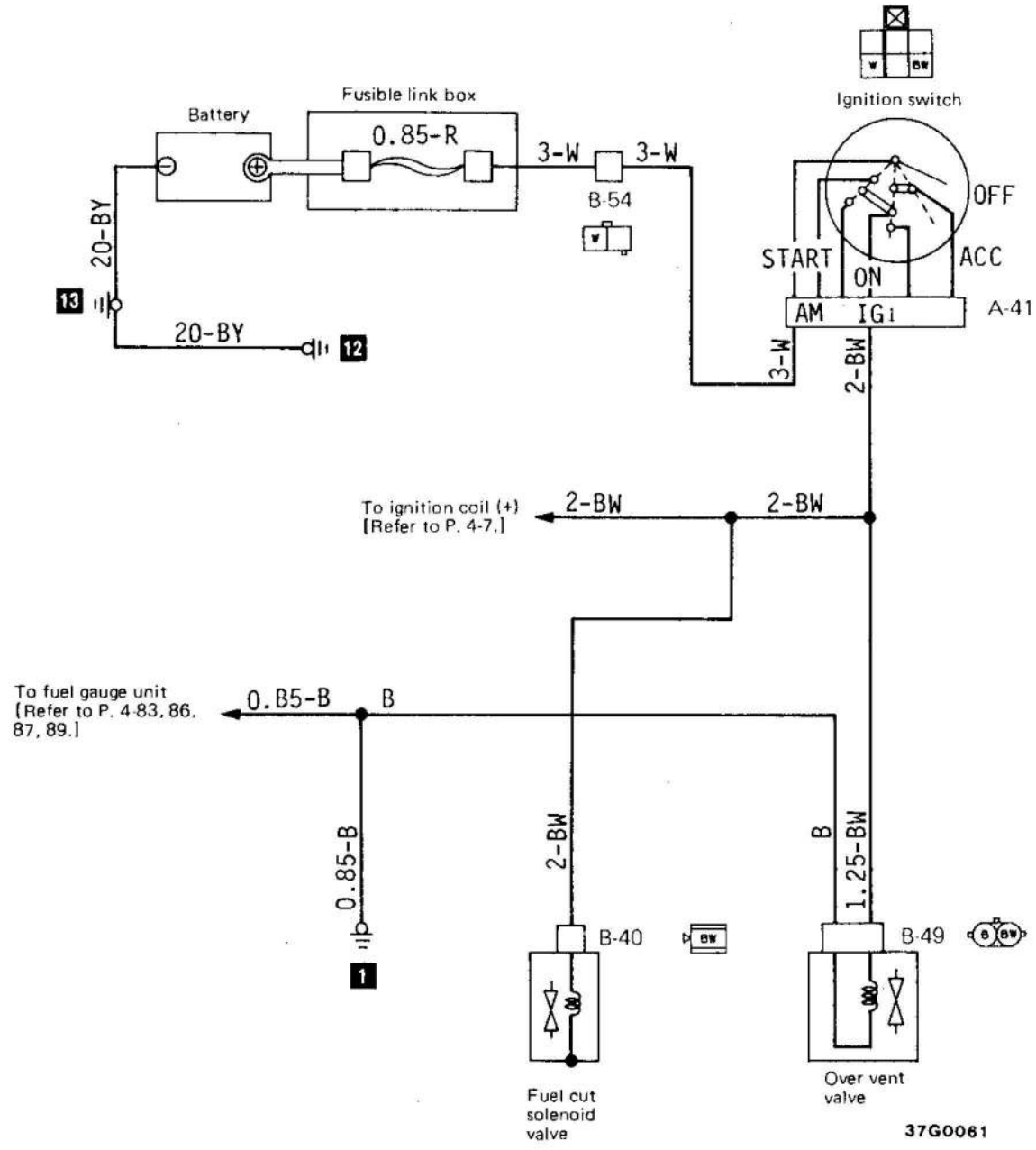


Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

5 CARBURETOR CONTROL CIRCUIT

5-1 Vehicles for Europe (4G32 Engine), Vehicles for General Export (4G63, 4G33, 4G32 Engine), Vehicles for Australia (Panel Van 4G63 Engine)

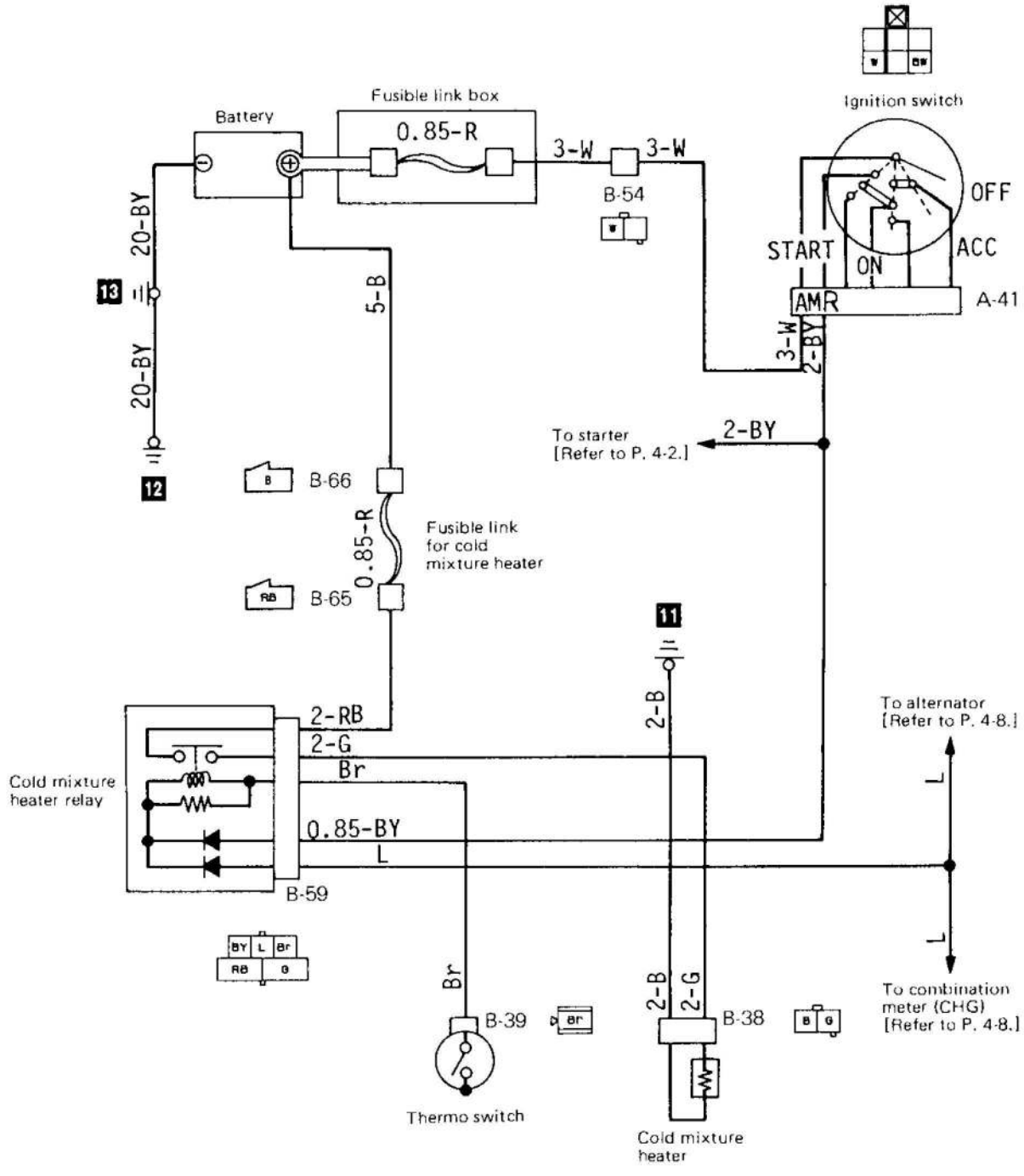


Remark
For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Lt:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				

5-2 Vehicles for Europe (4G63 Engine)



Remark
For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

TROUBLESHOOTING

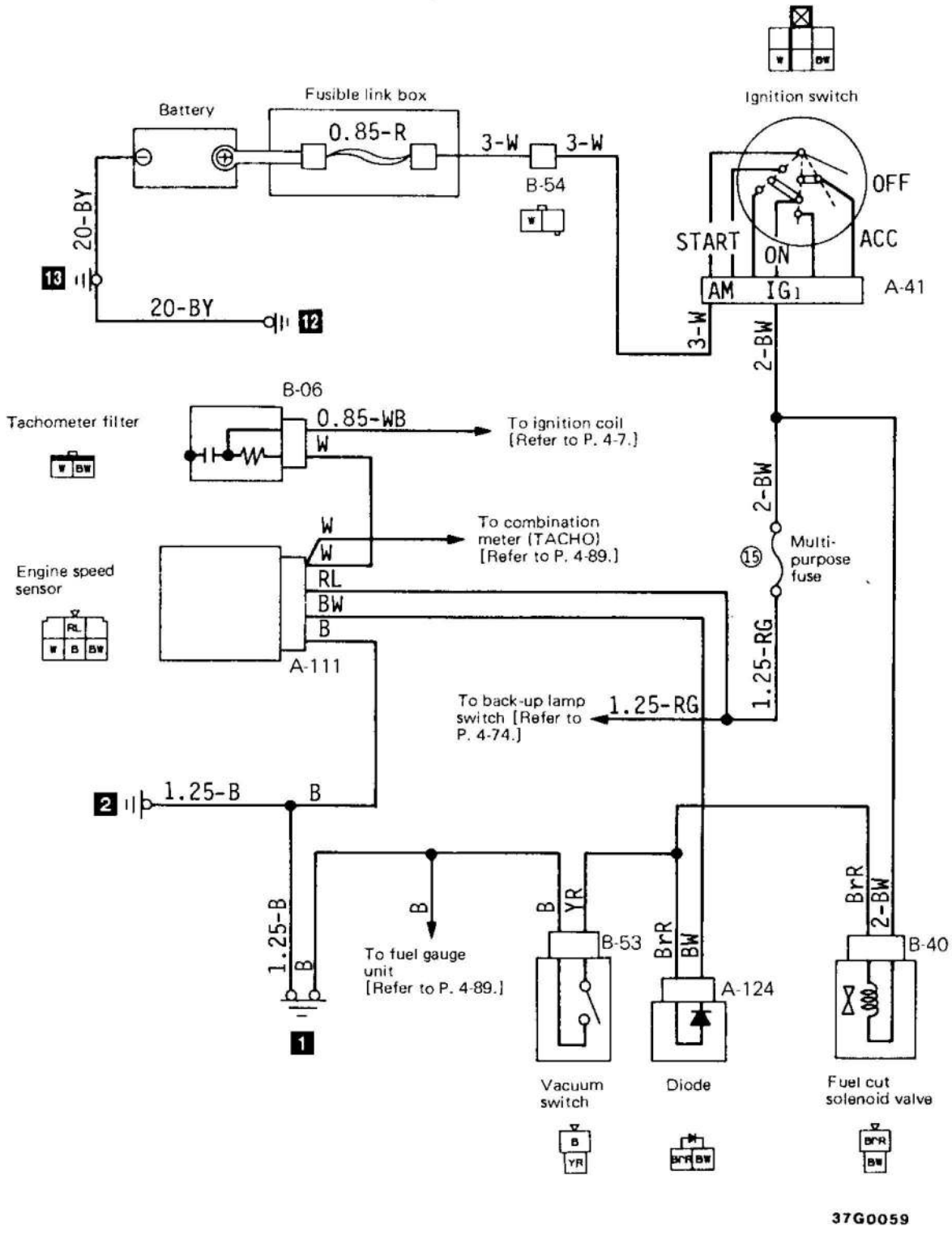
5 CARBURETOR CONTROL CIRCUIT

5-2 Vehicles for Europe (4G63 engine) [Refer to P. 4-17]

Inspection items / Symptom	Fusible link 0.85-R	Thermo switch	Cold mixture heater relay	Cold mixture heater	Wiring harness and connector connection	Earth
Engine starting problem when cold	①	②	③	④	⑤	⑥

NOTE
Number in circle indicates inspection sequence.

5-3 Vehicles for Australia (Mini bus 4G63 Engine)



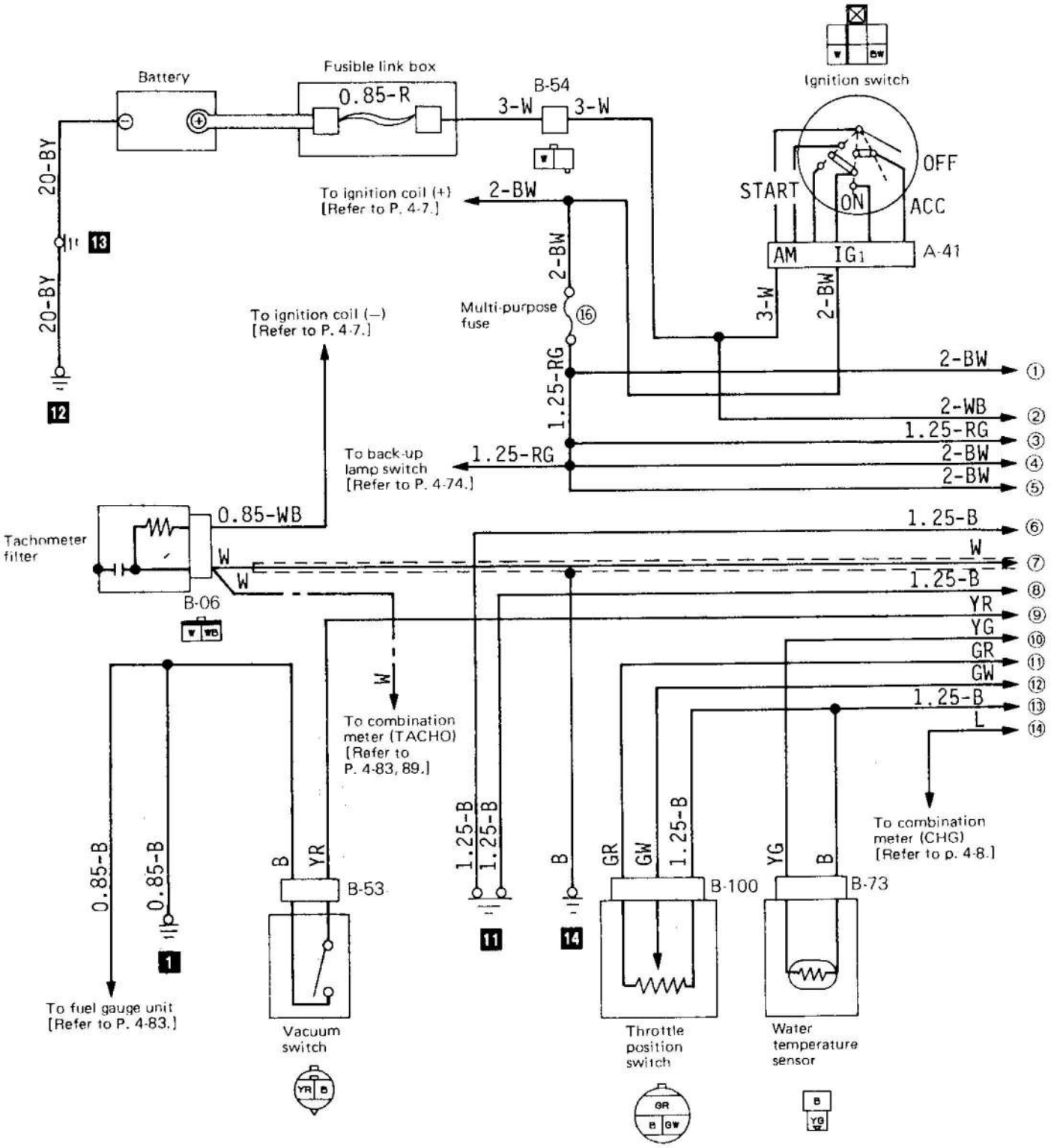
37G0059

Remark
For details concerning the earth point (example: 12) refer to P. 3-11.

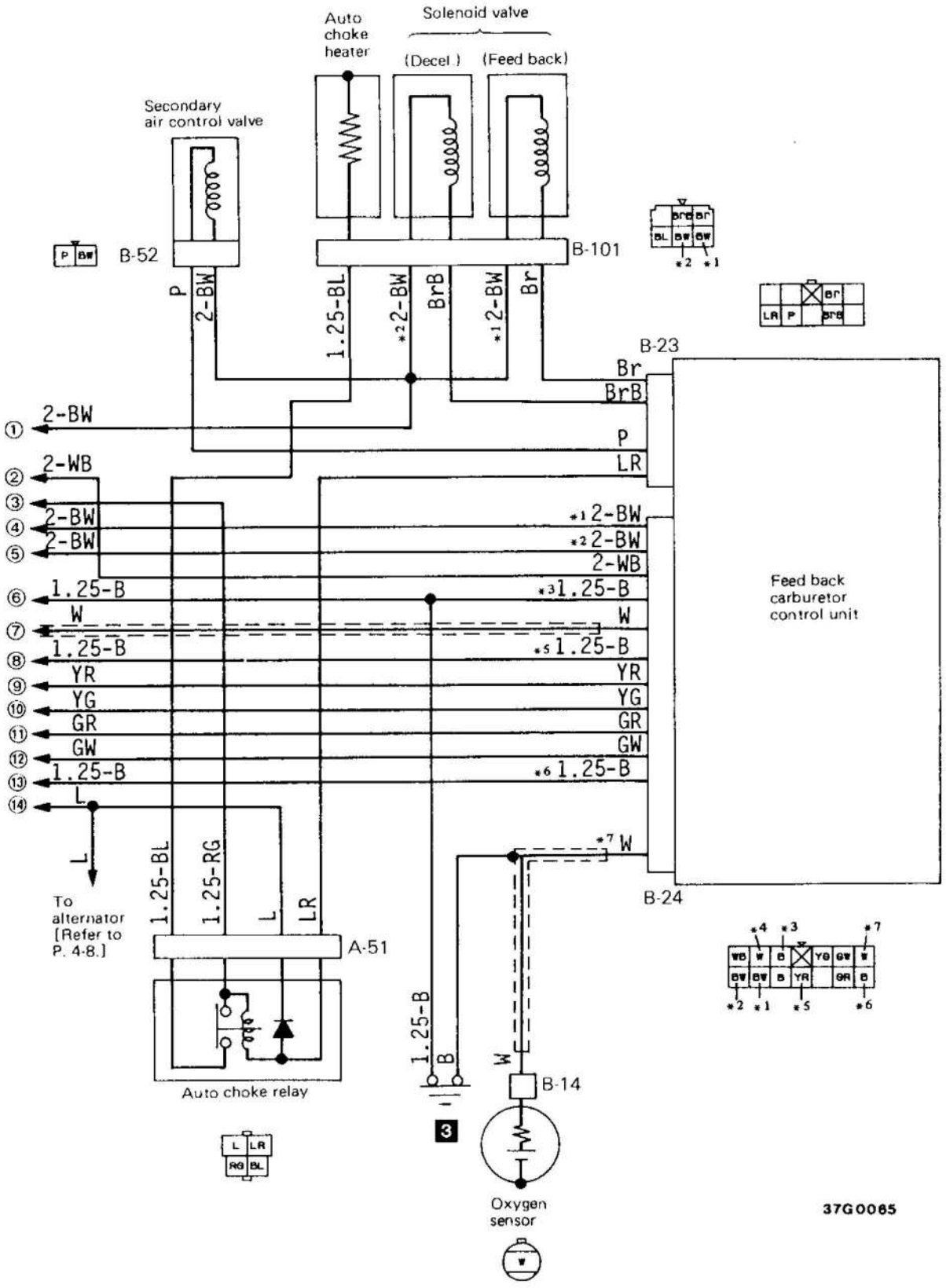
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
LI: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

6 FEED BACK CARBURETOR CIRCUIT (Vehicles for Europe)



Remarks
(1) The chain line (–·–) is applicable to Mini bus.
(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(Thus, ① on the right page is connected to ① on the left page.)
(3) For details concerning the earth point (example: 12), refer to P. 3-11.



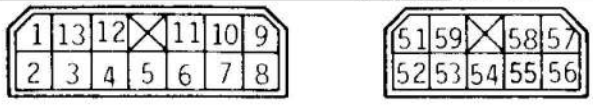
Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				

TERMINALS VOLTAGE CHART

6 FEED BACK CARBURETOR CIRCUIT [Refer to P. 4-20, 21]

ECI Checker Operation		Check Item	ECU Terminal No. Checked	Condition		Test Specification
Select Switch	Check Switch					
Set to "A"	1	Power supply	7	Ignition switch "LOCK → ON"		11V to 13V
	2	Ignition pulse	10	Ignition switch "LOCK → START"		2V to 8V
	3	Throttle position sensor	13	Ignition switch "LOCK → ON" (warm engine)	Accelerator fully closed	0.4V to 0.7V
					Accelerator fully opened	4.5V to 5.5V
	4	Vacuum switch for idle position	5	Ignition switch "LOCK → ON"		9V to 13V
				Idling (warm engine)		0V to 0.6V
	5	Electric choke relay	56	Ignition switch "LOCK → ON"		0V to 0.6V
				Idling		13V to 15V
Set to "B"	2	Idle up control solenoid valve	54	Idling	A/C switch ON*1 or Lighting switch ON	0V to 0.6V
				2000 rpm		9V to 15V
	4	A/C cutoff relay	57	Ignition switch "LOCK → ON" and A/C swith ON*1	Accelerator fully closed	0V to 0.6V
					Accelerator fully opened	0V to 0.6V
						*2 11V to 13V
	5	Coolant temperature sensor	12	Ignition switch "LOCK → ON"	0°C (32°F)	3.4V to 3.6V
					20°C (68°F)	2.4V to 2.7V
					40°C (104°F)	1.5V to 1.8V
					80°C (176°F)	0.5V to 0.7V
	6	Feed back solenoid valve (FBS)	59	Ignition switch "LOCK → ON"		11V to 13V
				Idling (warm engine)		2V to 12V
	7	Slow cutoff solenoid valve (SCS)	53	Idling		0V to 0.6V
				Quick deceleration from above 4000 rpm to idling with "N" position		Momentarily 13V to 15v
	8	Oxygen sensor	1	Hold rpm constant above 1300, 70 seconds after start of warm engine		0V to 1V ↑ (pulsates) ↓ 2V to 3V*2
	9	Secondary air control solenoid valve	55	Idling, 70 seconds after start of warm engine		0V to 0.6V then 13V to 15V
				Quick deceleration from above 2000 rpm to idling with "N" position		Momentarily drop
	10	Power supply for sensor	3	Ignition switch "LOCK → ON"		4.5V to 5.5V



View from front as installed in ECU

NOTE

*1 ON means compressor clutch engaged

*2 Since specifications may deffer, check the other air-fuel ratio related components when components other than oxygen sensor are defective.

7 M.P.I. CIRCUIT [Refer to P. 4-26, 27]

STEP 1. (Connect white color connectors, with labeled "CHECKER" of ECI harness connector to ECI Checker)

ECI Checker Operation		Check Item	ECU Terminal No.	Condition		Test Specification
Select Switch	Check Switch					
Set to "A"	1	Power supply	51	Ignition switch "LOCK → ON"		11V to 13V
	2	Crank angle sensor	1	Ignition switch "LOCK → START"		1.8V to 2.5V
				3000 rpm		
	4	Intake air temperature sensor	5	Ignition switch "LOCK → ON"	0°C (32°)	3.4V to 3.6V
					20°C (68°F)	2.5V to 2.7V
					40°C (104°F)	1.7V to 1.9V
					80°C (176°F)	0.6V to 0.8V
	5	Purge control solenoid valve	17	Idling (warm engine)		12V to 15V
				Hold engine over 3000 rpm		0V to 0.6V
	6	Coolant temperature sensor	6	Ignition switch "LOCK → ON"	0°C (32°F)	3.4V to 3.6V
					20°C (68°F)	2.5V to 2.7V
					40°C (104°F)	1.5V to 1.7V
					80°C (176°F)	0.5V to 0.7V
	7	Throttle position sensor	15	Ignition switch "LOCK → ON" (warm engine)	Accelerator fully closed	0.4V to 0.7V
					Accelerator fully opened	4.5V to 5.5V
Set to "B"	1	Idle position switch	7	Ignition switch "LOCK → ON"	Accelerator fully closed	0V to 0.6V
					Accelerator fully opened	8V to 13V
	2	Reed switch for vehicle speed	19	Start engine, transmission in first or drive and operate vehicle slowly		0V to 0.6V ↑ (pulsates) ↓ Over 2V
	4	A/C switch	56	Ignition switch "LOCK → ON"	A/C switch OFF	0V to 0.6V
					A/C switch ON*1	11V to 13V
	5	Air flow sensor	2	Idling		2.2V to 3.2V
				3000 rpm		
	6	Fuel pressure exchange solenoid valve	8	Ignition switch "LOCK → START"	Coolant temp. less than 90°C (194°F) or air temp. less than 50°C (122°F)	Over 8V
					Coolant temp. more than 90°C (194°F) and air temp. more than 50°C (122°F)	0V to 0.6V
	7	Inhibitor Switch	58	Ignition switch "LOCK → ON"	Transmission in "P" or "N"	0V to 0.6V
					Transmission in "D"	11V to 13V
	8	Oxygen sensor	11	Hold rpm constant above 1300, 30 seconds after start of warm engine		0V to 0.6V ↑ (pulsates) ↓ 2V to 3V
	9	Cranking signal	55	Ignition switch "LOCK → START"		Over 8V

NOTE: *1 On means compressor clutch engaged

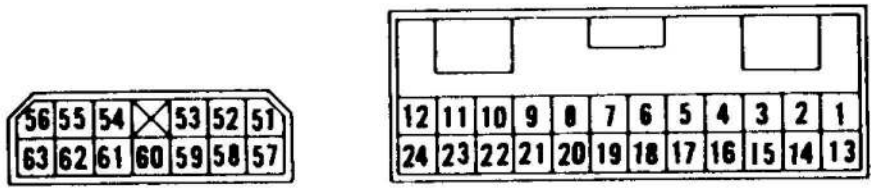
STEP 2. (Connect green color connectors, with labeled "CHECKER" of ECI harness connector to ECI Checker)

ECI Checker Operation		Check Item	ECU Terminal No.	Condition	Test Specification
Select Switch	Check Switch				
Set to "A"	1				
	2	A/C cutoff relay	24	Idling A/C switch OFF → ON*1	Over 12V, then 0V to 0.6V
	3	Ignition control signal	54	Idling	0.3V to 0.8V
				3000 rpm	1.0V to 2V
	4	ISC motor for extension	23	Idling	0V to 2V
				Quick acceleration from idling to above 3000 rpm with "N" or "P" position	Momentarily over 3V
	5	ISC motor for retraction	12	Idling	0V to 2V
				Quick acceleration from idling to above 3000 rpm with "N" or "P" position	Momentarily over 3V
	6	Control relay	22	Ignition switch "LOCK → ON"	11V to 13V
				Idling	0V to 0.6V
	7	Motor position sensor	3	Ignition switch "LOCK → ON" After 15 seconds	0.8V to 1.2V
Set to "B"	1	Injector No. 3 pulse	61	Idling	12V to 14V
				Quick acceleration from idling to above 2000 rpm with "N" or "P" position	Slight drop
	2	Injector No. 4 pulse	62	Idling	12V to 14V
				Quick acceleration from idling to above 2000 rpm with "N" or "P" position	Slight drop
	4	No. 1 cylinder sensor	13	Ignition switch "LOCK → START"	0.2V to 1.5V (oscillating)
				3000 rpm	0.8V to 1.2V
	6	Injector No. 1 pulse	59	Idling	12V to 14V
				Quick acceleration from idling to above 2000 rpm with "N" or "P" position	Slight drop
	7	Injector No. 2 pulse	60	Idling	12V to 14V
				Quick acceleration from idling to above 2000 rpm with "N" or "P" position	Slight drop
	9	Power supply for sensor	10	Ignition switch "LOCK → ON"	4.5V to 5.5V

NOTE: *1 On means compressor clutch engaged

STEP 3. (Use Voltmeter)

Check Item	ECU Terminal No.	Condition	Test Specification
Atmospheric pressure sensor	20	Ignition switch at sea level "LOCK → ON"	3.8V to 4.2V
		Idling	

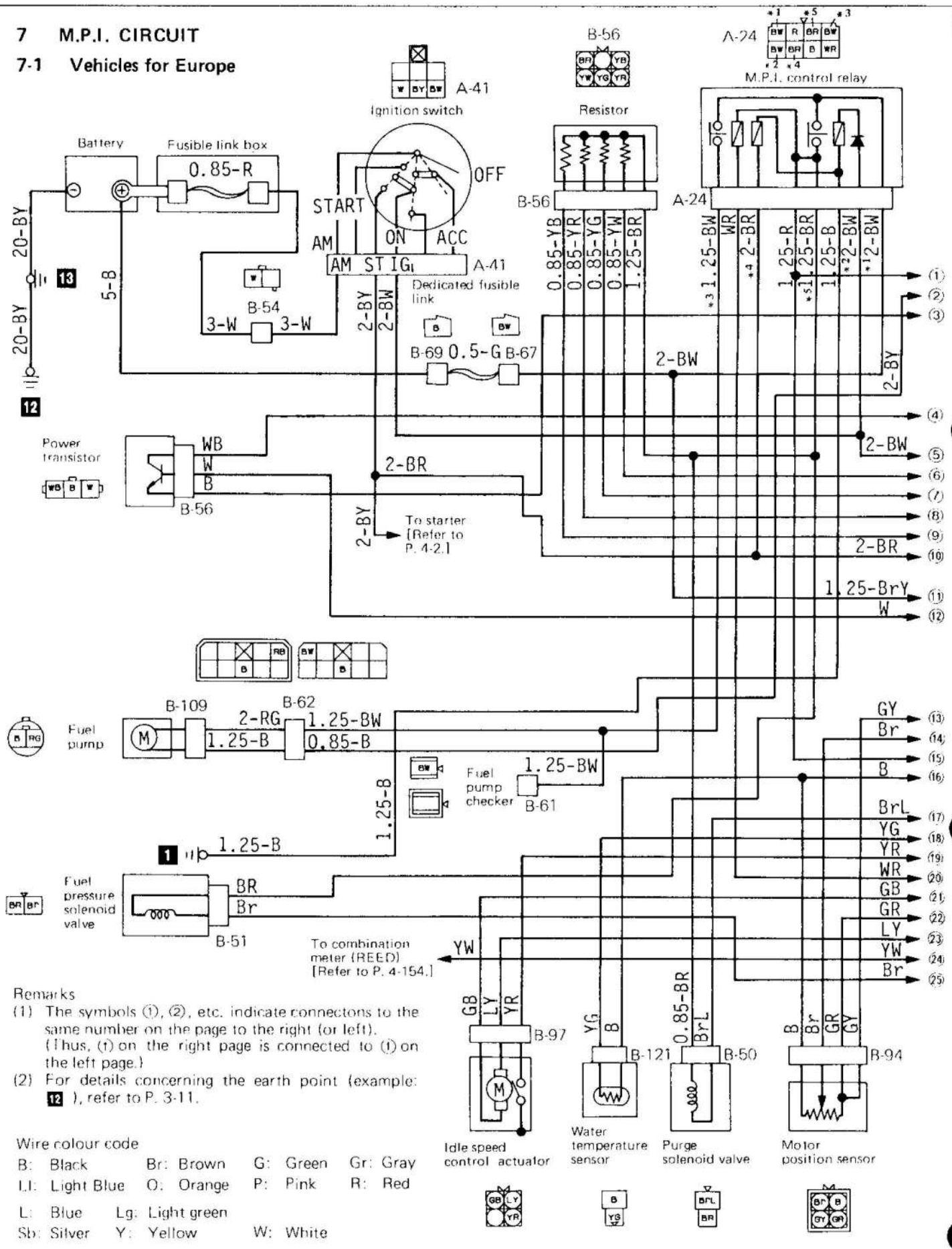


View from front as installed in ECU

ECI739

7 M.P.I. CIRCUIT

7-1 Vehicles for Europe



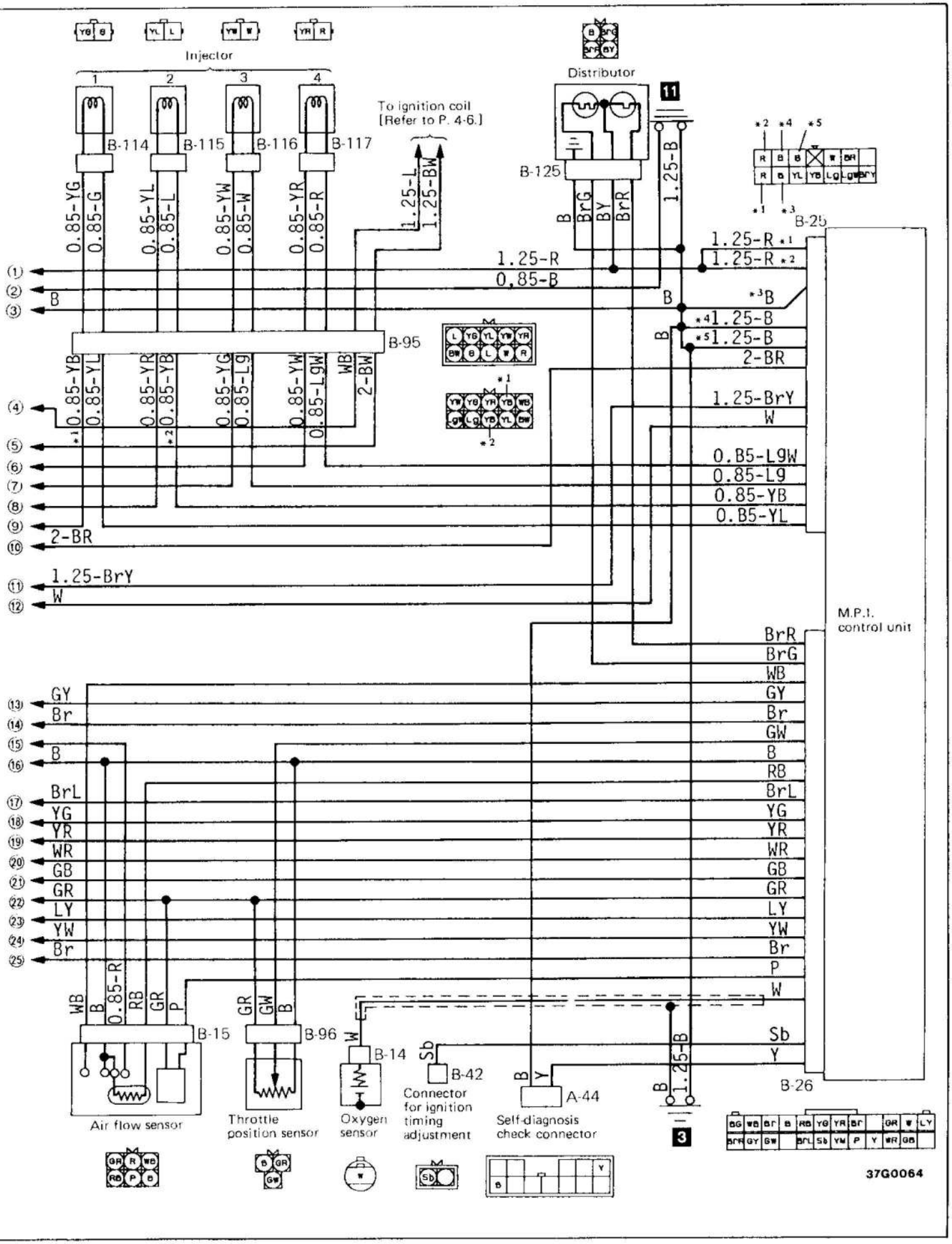
Remarks

(1) The symbols (1), (2), etc. indicate connectons to the same number on the page to the right (or left). (Thus, (1) on the right page is connected to (1) on the left page.)

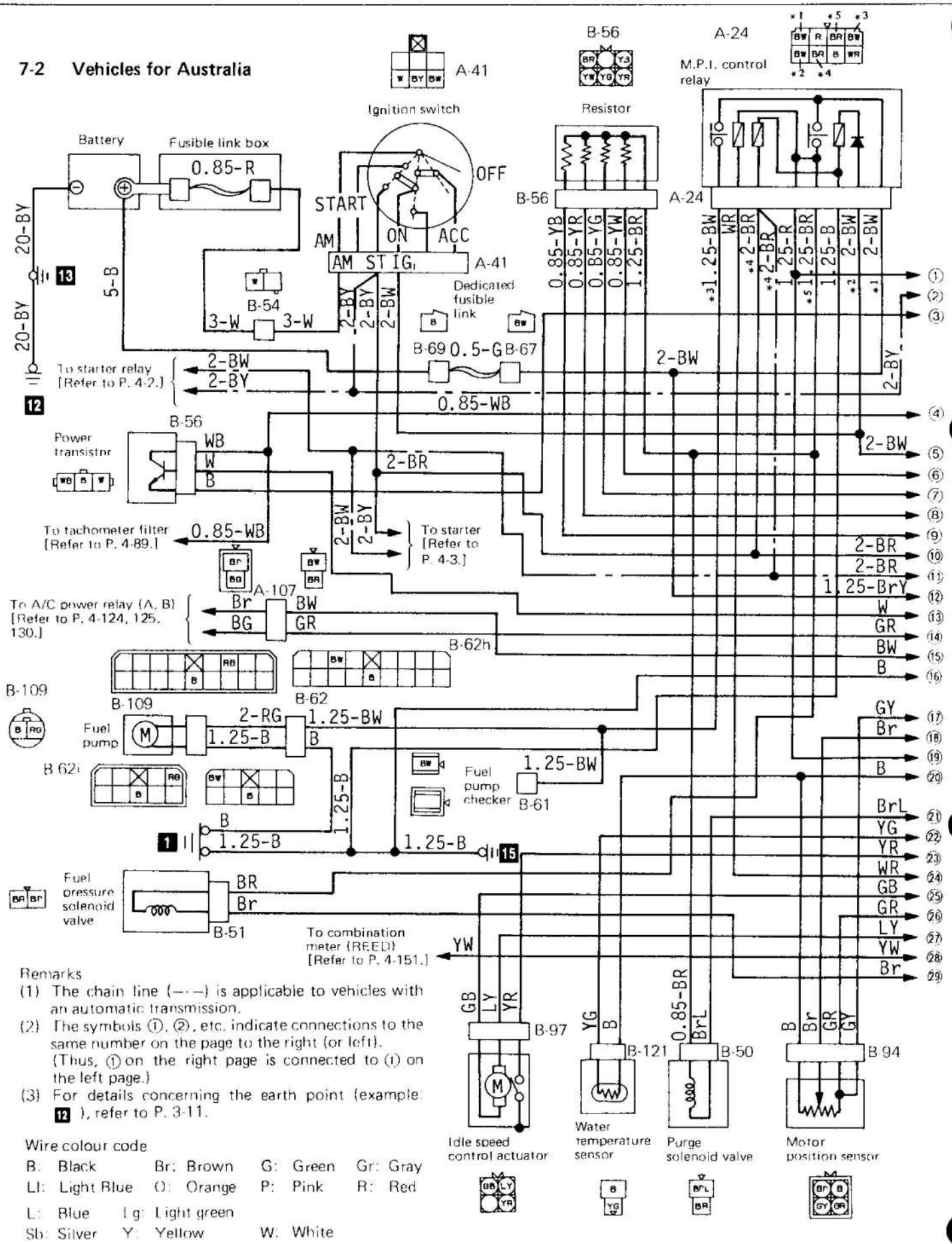
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		


Injector
1
2
3
4
B-114
B-115
B-116
B-117
To ignition coil
[Refer to P. 4-6.]
Distributor
11
B-125
B-25
B-95
B-15
B-96
B-14
B-42
A-44
B-26
M.P.I.
control unit
Air flow sensor
Throttle
position sensor
Oxygen
sensor
Connector
for ignition
timing
adjustment
Self-diagnosis
check connector
3
37G0064

7-2 Vehicles for Australia



Remarks

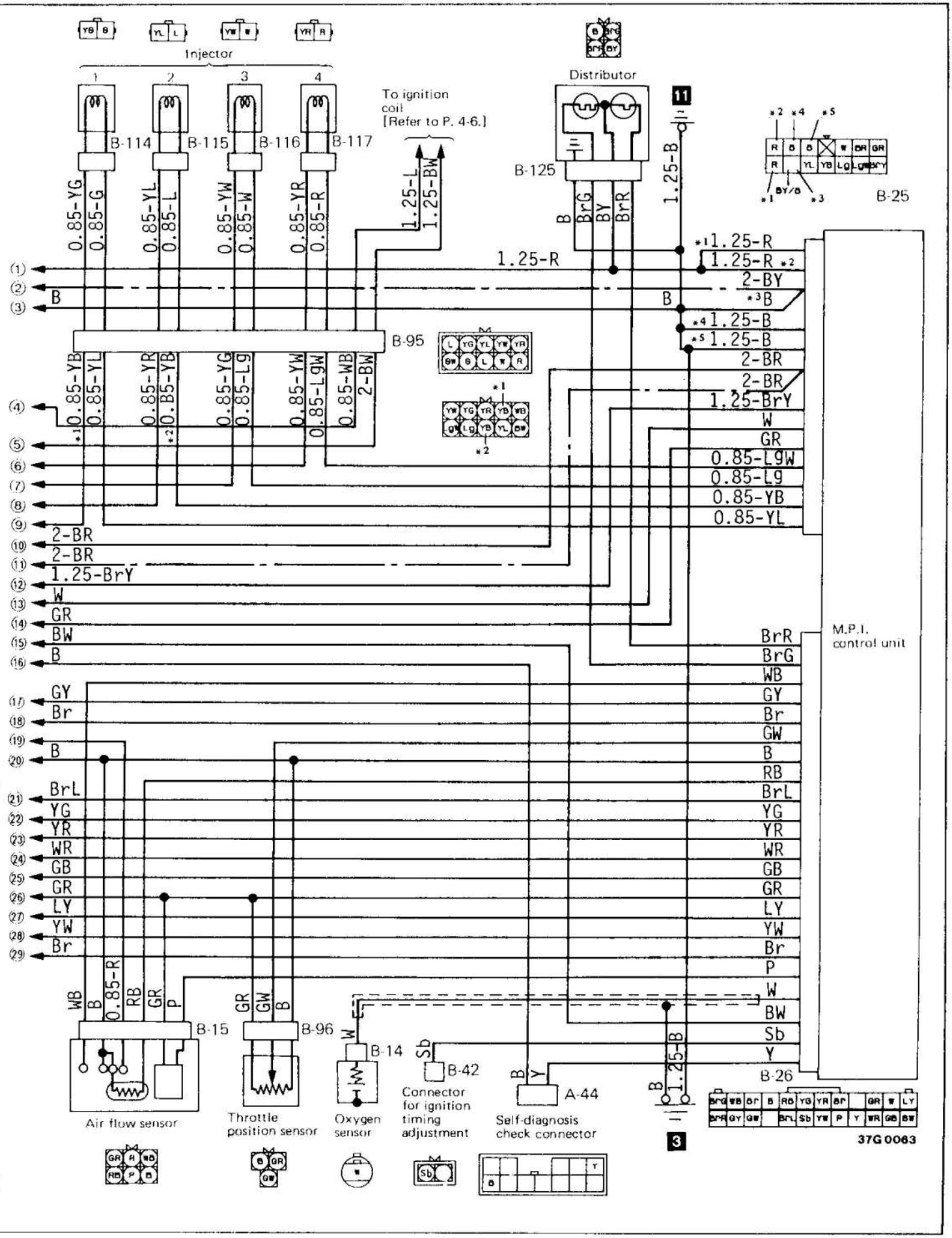
(1) The chain line (— · —) is applicable to vehicles with an automatic transmission.

(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)

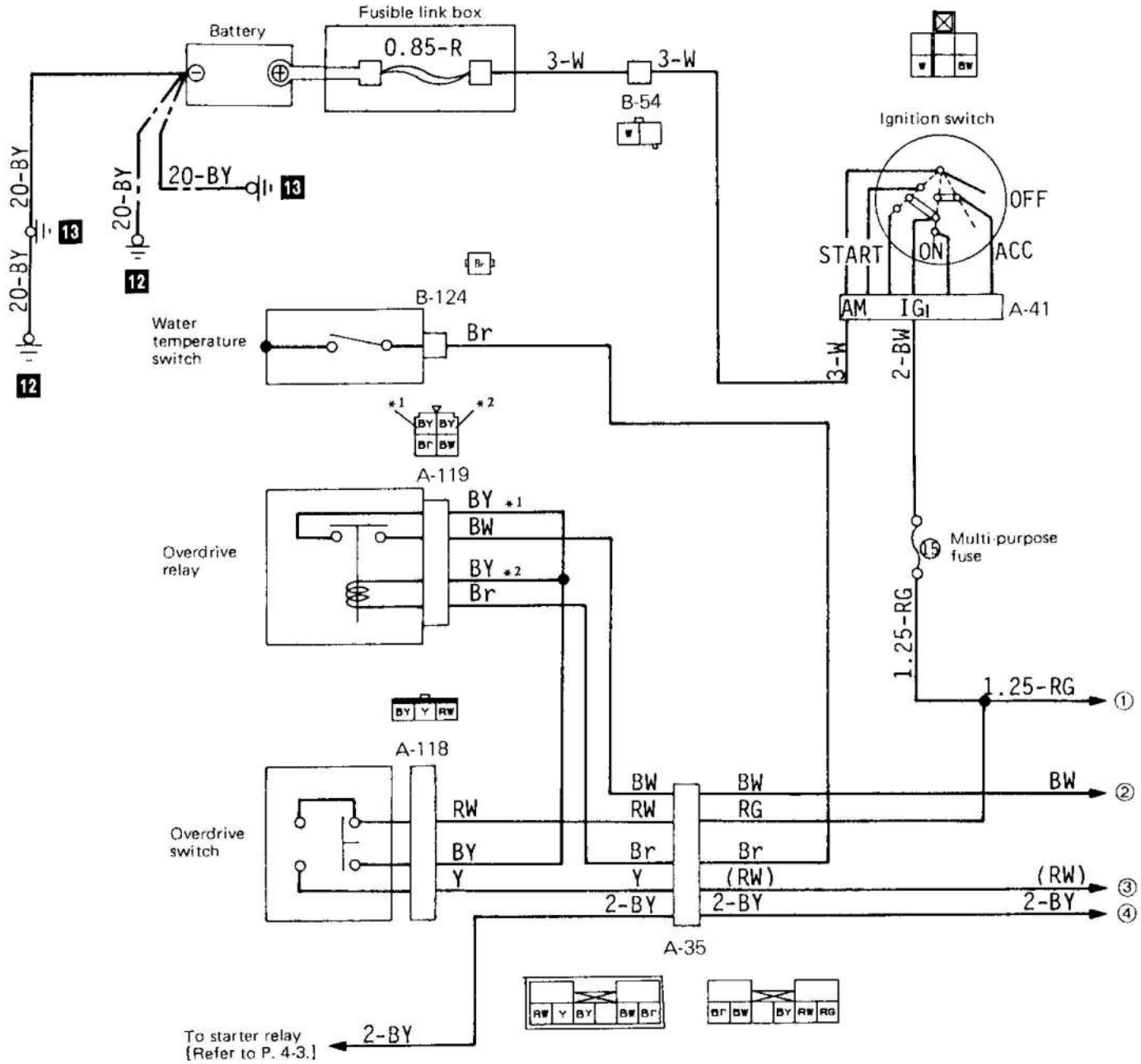
(3) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

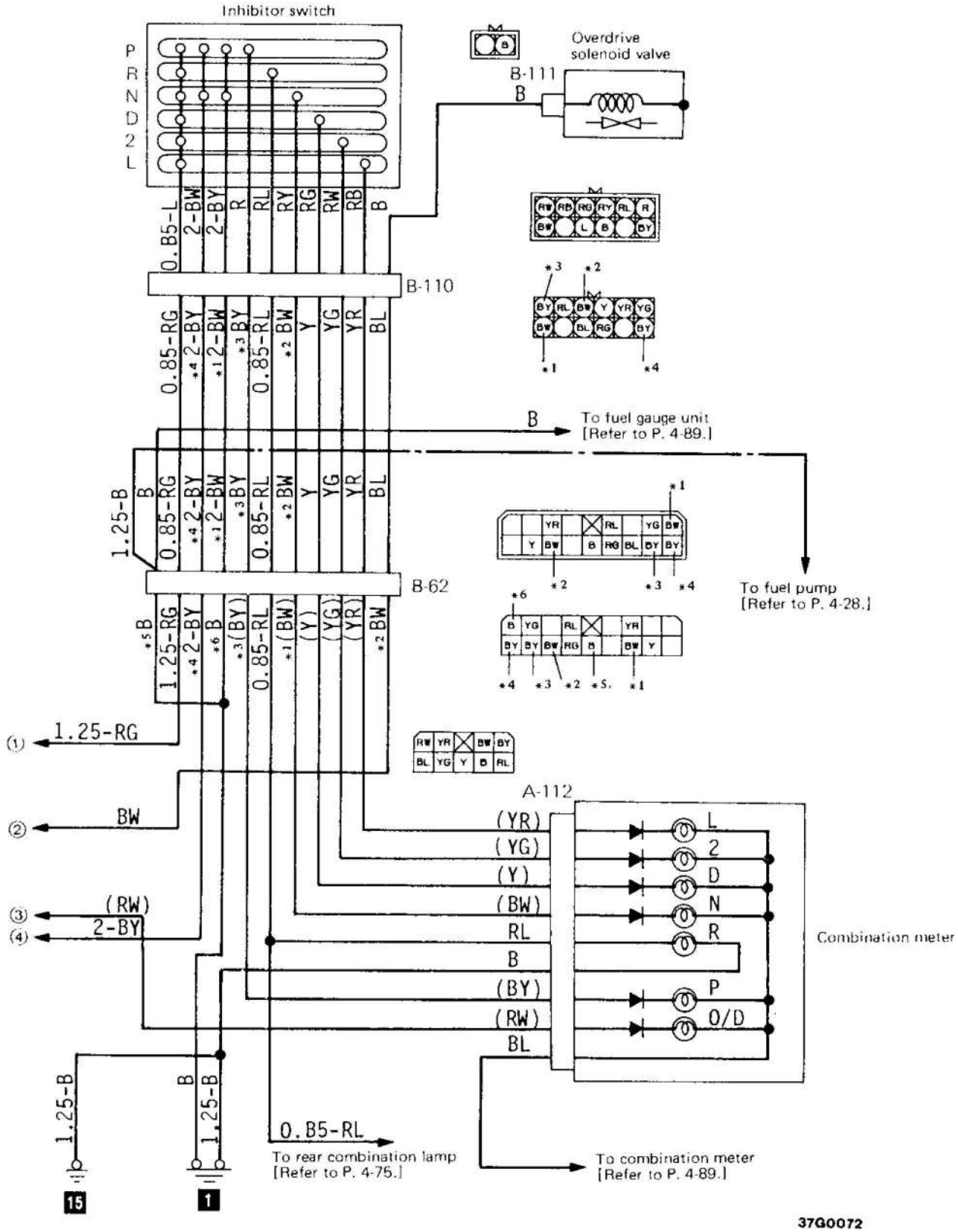
B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Lt:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		


Injector
1
2
3
4
B-114
B-115
B-116
B-117
To ignition coil [Refer to P. 4-6.]
Distributor
B-125
11
B-25
B-95
M.P.I. control unit
B-26
B-15
B-96
B-14
B-42
A-44
Air flow sensor
Throttle position sensor
Oxygen sensor
Connector for ignition timing adjustment
Self-diagnosis check connector
3
37G0063

8 OVERDRIVE CIRCUIT (Vehicles for Australia)



Remarks
(1) The chain line (—·—) is applicable to vehicles equipped with M.P.I.
(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)
(3) For details concerning the earth point (example: 12), refer to P. 3-11.



Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
LI: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

TROUBLESHOOTING

8 OVERDRIVE CIRCUIT [Refer to P. 4-30, 31]

Inspection items / Symptom	Fuse No. 15	Water temperature switch	Overdrive relay	Overdrive switch	Inhibitor switch	Overdrive solenoid valve	Indicator bulb	Printed circuit board	Wiring harness and connector connection	Earth	Other inspection items
Overdrive not canceled				①							
No shift to overdrive	①	②	⑤	③		④					• Cooling system • Thermostat
Overdrive indicator doesn't illuminate							①	②	③	④	
All automatic transmission shift position indicator lamps don't illuminate					②			④	①	③	
Some automatic transmission shift position indicator lamps don't illuminate					②		①	③	④		

NOTE
Number in circle indicates inspection sequence.

9 HEADLAMP CIRCUIT

9-1 Vehicles for Europe [Refer to P. 4-34, 35]

Inspection items / Symptom	Fusible link 0.5-R	Fuse No. 6 (for lower beam)	Fuse No. 5 (for upper beam)	Lighting switch	Dimmer passing switch	Headlamp unit	Indicator bulb	Printed circuit board	Headlamp relay	Wiring harness and connector connection	Earth
Headlamps do not illuminate or illuminate intermittently	①	②	③	④	⑤	⑥			⑦	⑧	⑨
It is not possible to change the headlamp's beam					①					②	
Headlamps are dim						①			②	③	④
Headlamps on only one side illuminate						①				②	
The headlamps (upper or lower beam) do not be turned off.				③	①				②		
The upper beam indicator does not illuminate.							①	②		③	④

NOTE
Number in circle indicates inspection sequence.

9-2 Vehicles for General Export [Refer to P. 4-36, 37]

Inspection items / Symptom	Sub fusible link	Fuse No. 7 (for lower beam)	Fuse No. 6 (for upper beam)	Lighting switch	Dimmer passing switch	Headlamp unit	Indicator bulb	Printed circuit board	Wiring harness and connector connection	Earth
Headlamps do not illuminate or illuminate intermittently	①	②	③	④	⑤	⑥			⑦	⑧
It is not possible to change the headlamp's beam					①				②	
Headlamps are dim						①			②	③
Headlamps on only one side illuminate						①			②	
The headlamps (upper or lower beam) do not be turned off				②	①					
The upper beam indicator does not illuminate							①	②	③	④

NOTE
Number in circle indicates inspection sequence.

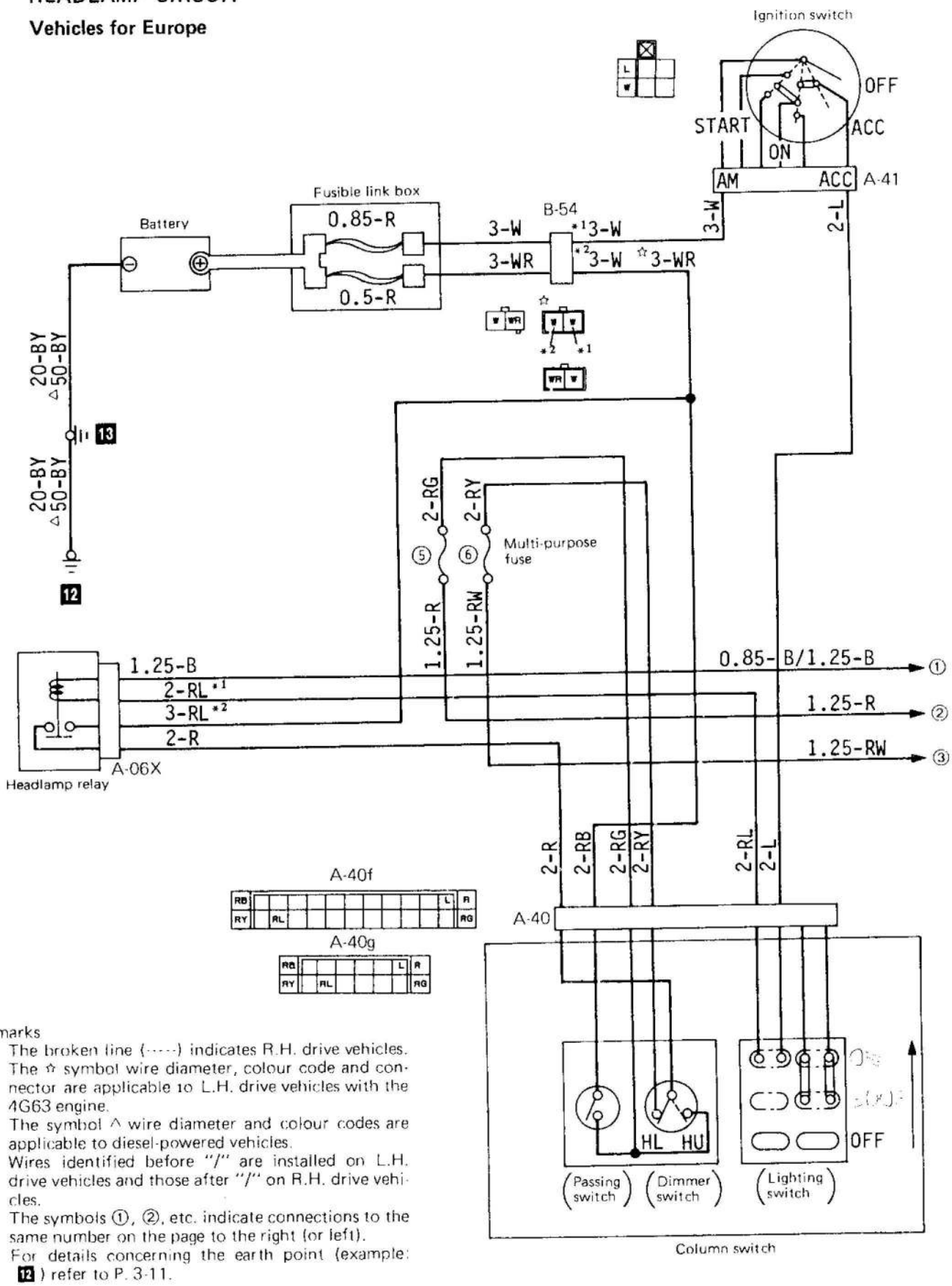
9-3 Vehicles for Australia [Refer to P. 4-38, 39]

Inspection items / Symptom	Fusible link 0.5-G	Fusible link 0.85-R*	Fuse No. 7 (for lower beam)	(For upper beam) Fuse No. 5*	(For upper beam) Fuse No. 6	Lighting switch	Dimmer passing switch	Headlamp unit	Indicator bulb	Printed circuit board	Headlamp relay*	Wiring harness and connector connection	Earth
Headlamps do not illuminate or illuminate intermittently	③		①		②	④	⑤	⑥			⑦	⑧	⑨
It is not possible to change the headlamp's beam							①					②	
Headlamps are dim								①				②	③
Headlamps on only one side illuminate								①				②	
The headlamps (upper or lower beam) do not be turned off						②	①						
The upper beam indicator does not illuminate									①	②		③	④
*The type 1 headlamps do not illuminate				①				④			②	③	⑤

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates Mini bus.

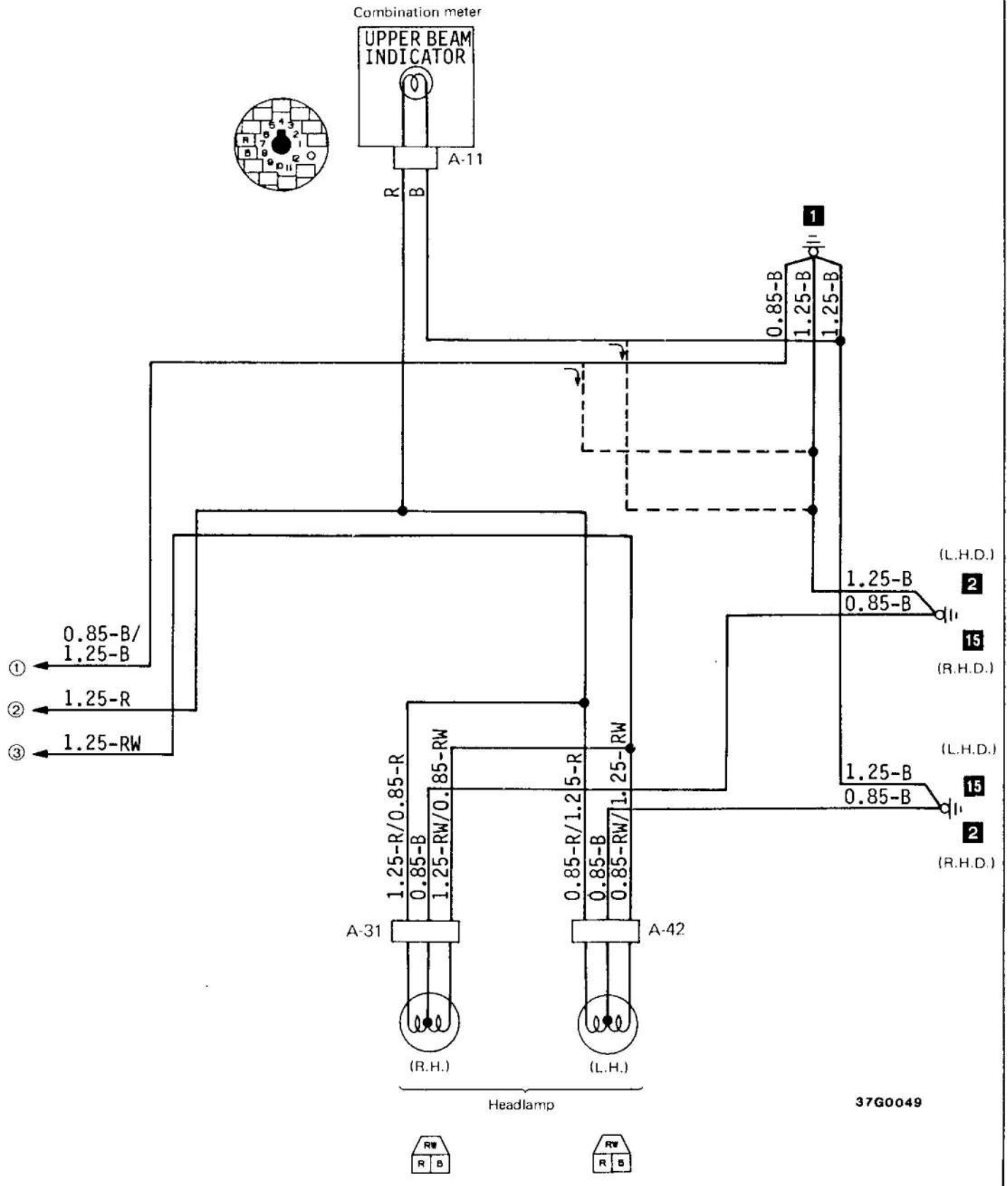
9 HEADLAMP CIRCUIT

9-1 Vehicles for Europe



Remarks

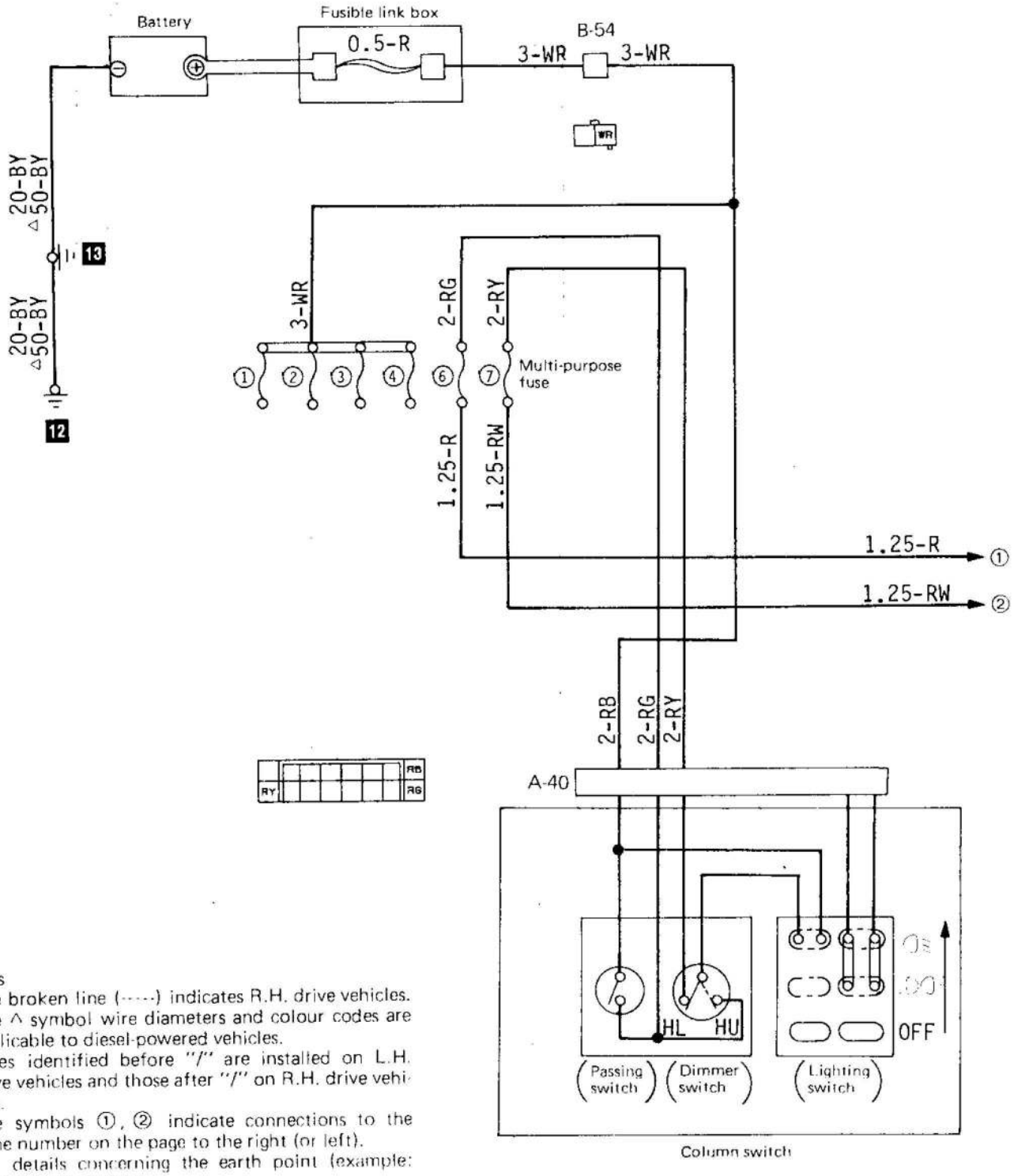
(1) The broken line (-----) indicates R.H. drive vehicles.
(2) The ☆ symbol wire diameter, colour code and connector are applicable to L.H. drive vehicles with the 4G63 engine.
(3) The symbol △ wire diameter and colour codes are applicable to diesel-powered vehicles.
(4) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.
(5) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(6) For details concerning the earth point (example: 12) refer to P. 3-11.



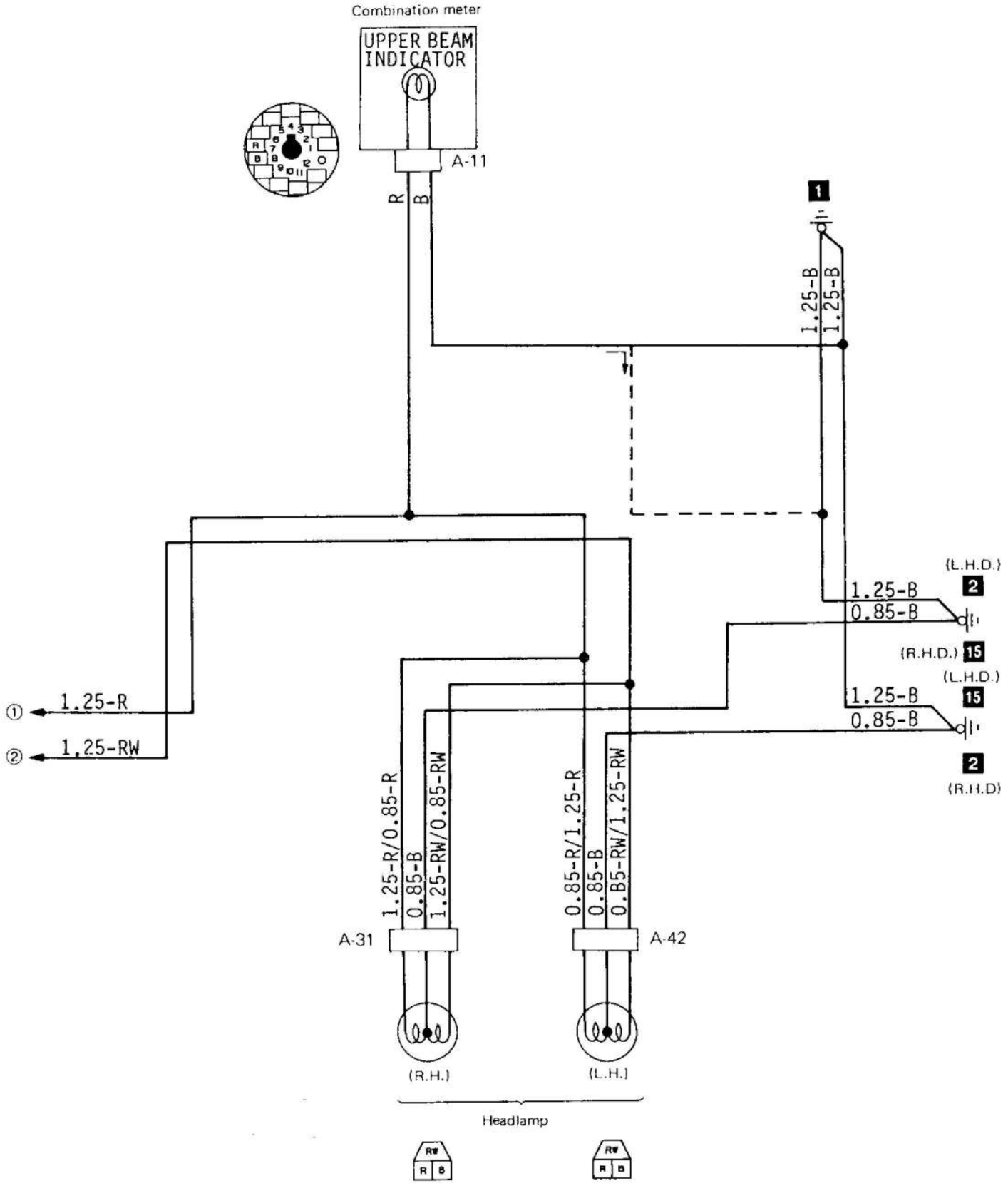
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

9-2 Vehicles for General Export



Remarks
(1) The broken line (-----) indicates R.H. drive vehicles.
(2) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(3) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.
(4) The symbols ①, ② indicate connections to the same number on the page to the right (or left).
(5) For details concerning the earth point (example: 12) refer to P. 3-11.

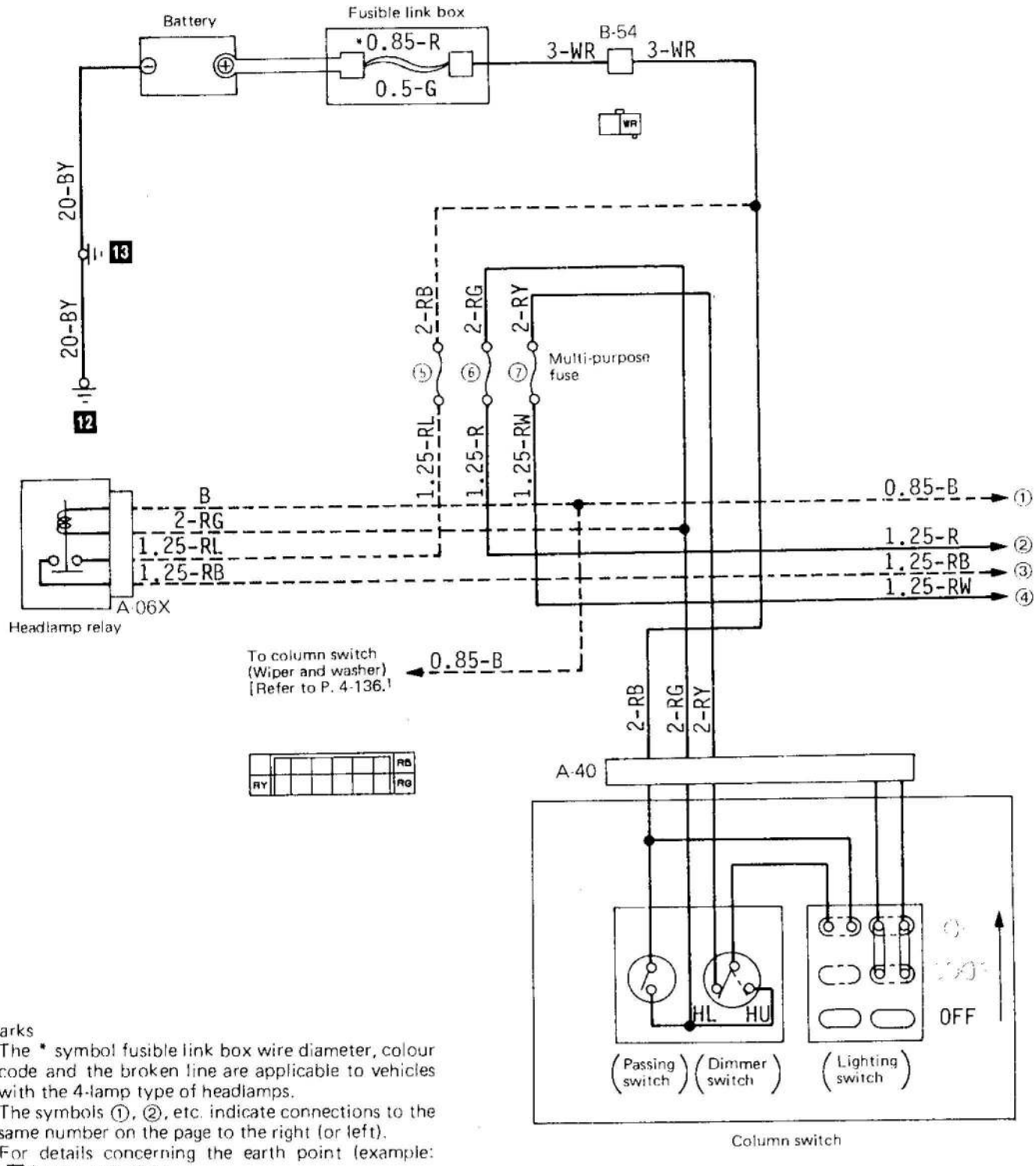


Wire colour code

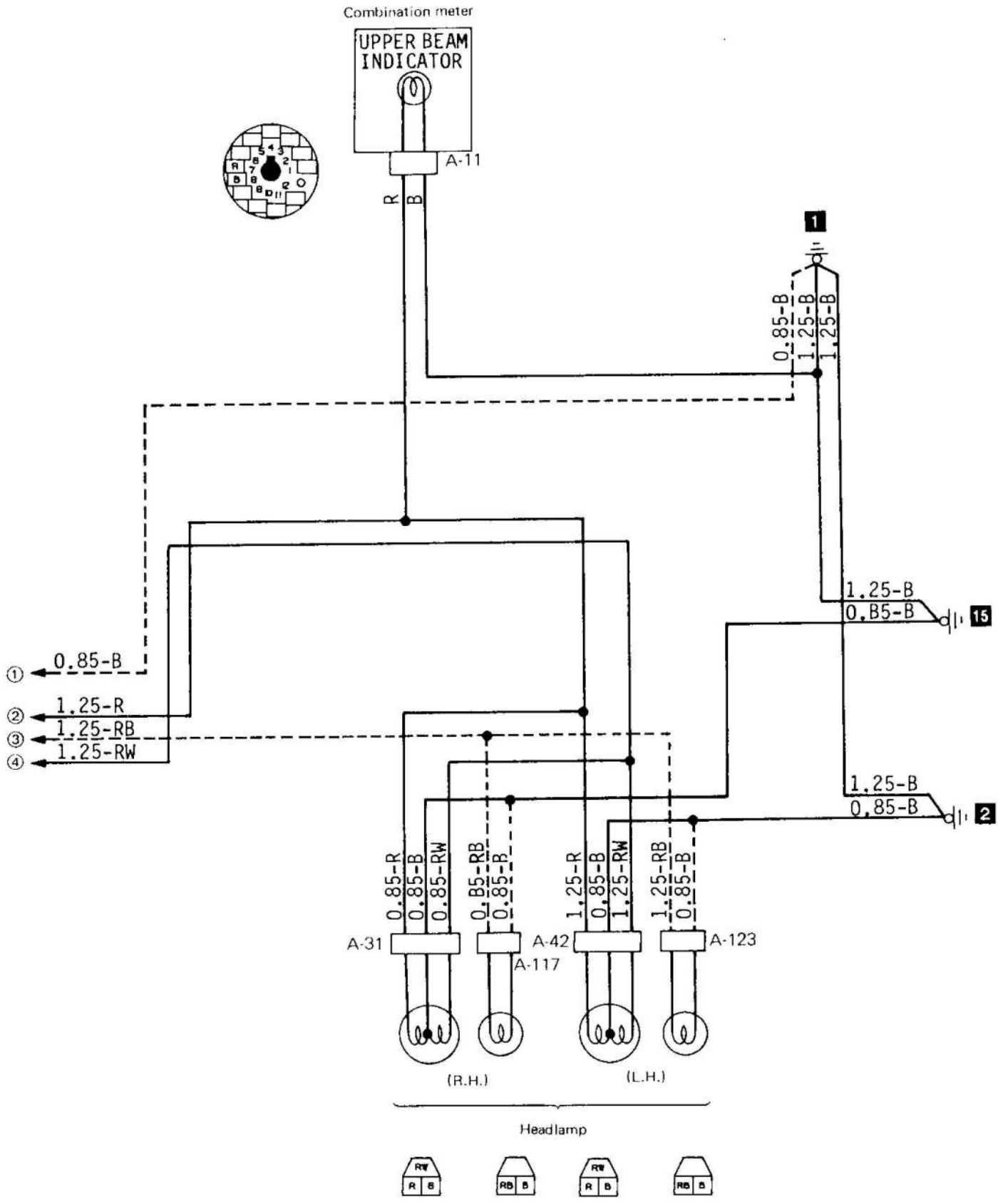
B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0050

9-3 Vehicles for Australia



Remarks
(1) The * symbol fusible link box wire diameter, colour code and the broken line are applicable to vehicles with the 4-lamp type of headlamps.
(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(3) For details concerning the earth point (example: 12) refer to P. 3-11.



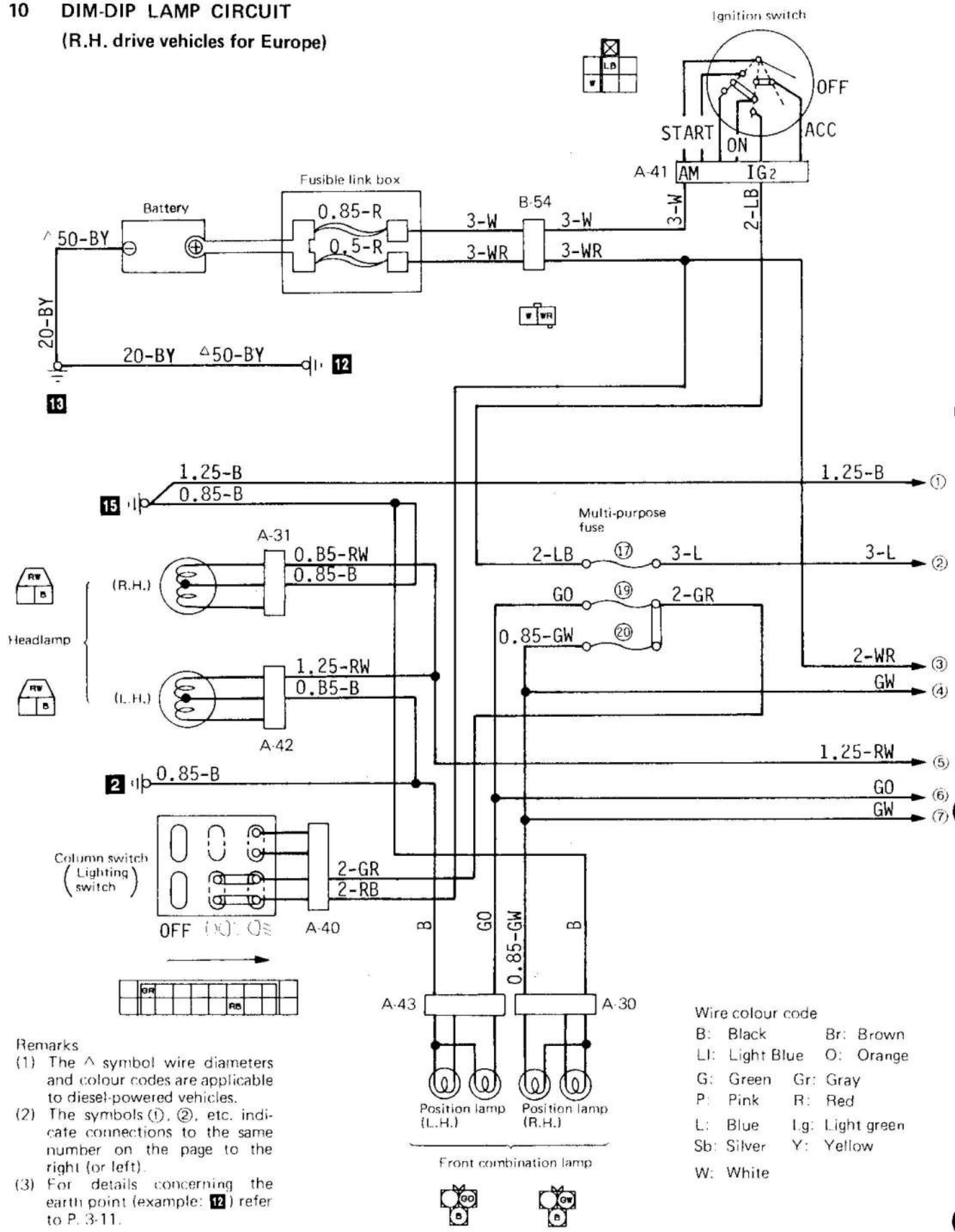
37G0051

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				

10 DIM-DIP LAMP CIRCUIT

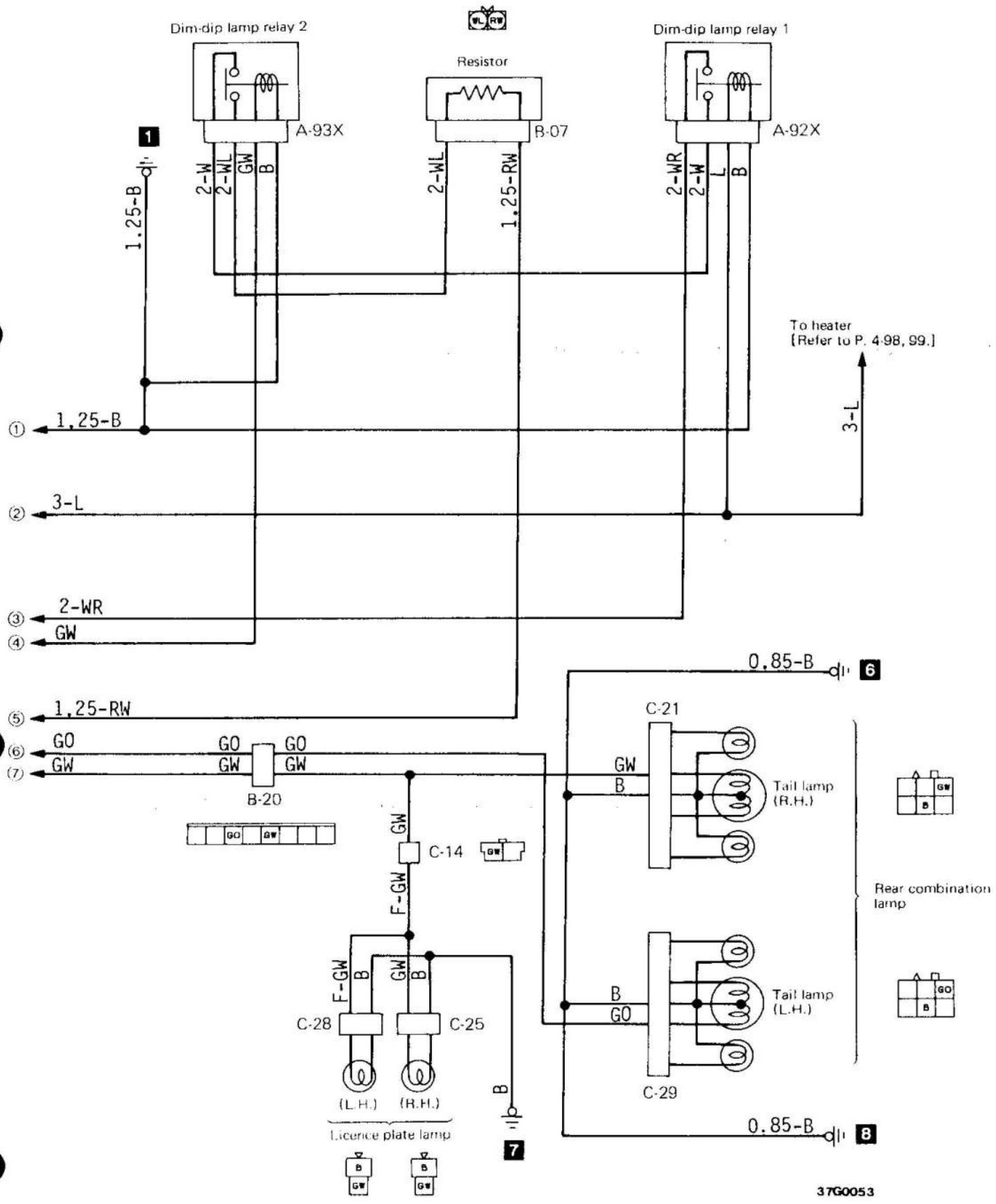
(R.H. drive vehicles for Europe)



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(3) For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown
Ll:	Light Blue	O:	Orange
G:	Green	Gr:	Gray
P:	Pink	R:	Red
L:	Blue	Lg:	Light green
Sb:	Silver	Y:	Yellow
W:	White		


Dim-dip lamp relay 2
Resistor
Dim-dip lamp relay 1
A-93X
B-07
A-92X
1
1.25-B
2-W
2-WL
GW
B
2-WL
1.25-RW
2-WR
2-W
L
B
To heater
[Refer to P. 4-98, 99.]
3-L
① 1.25-B
② 3-L
③ 2-WR
④ GW
⑤ 1.25-RW
⑥ GO
⑦ GW
GO
GW
GO
GW
B-20
C-14
F-GW
GW
0.85-B
6
C-21
GW
B
Tail lamp (R.H.)
Rear combination lamp
B
GO
Tail lamp (L.H.)
C-29
F-GW
B
GW
B
C-28
C-25
(L.H.)
(R.H.)
Licence plate lamp
B
7
0.85-B
8
37G0053

TROUBLESHOOTING

10 DIM-DIP LAMP CIRCUIT [Refer to P. 4-40, 41]

Inspection items / Symptom	Sub fusible link	Fuse No. 17	Fuse No. 20	Dim-dip lamp relay 1	Dim-dip lamp relay 2	Resistor	Lighting switch	Wiring harness and connector connection	Earth
The headlamps do not illuminate	①	②	③	④	⑤	⑥	⑦	⑧	⑨

NOTE
Number in circle indicates inspection sequence.

11 DAYTIME RUNNING LAMP CIRCUIT [Refer to P. 4-44, 45]

Inspection items / Symptom	Sub fusible link	Fuse No. 6 (for lower beam)	Lighting switch	Headlamp unit	Headlamp relay	Tail lamp relay	Diode connector	Wiring harness and connector connection	Earth
The headlamps do not illuminate	①	②		③	④	⑤	⑥	⑦	⑧
The headlamps do not be turned off when the light switch is set to the tail lamp position			①		②			③	④

NOTE
Number in circle indicates inspection sequence.

12 TAIL LAMP, POSITION LAMP AND LICENCE PLATE LAMP CIRCUIT [Refer to P. 4-46 to 49]

Inspection items / Symptom	Fusible link		Multi-purpose fuse			Lamp bulb	Lighting switch	Wiring harness and connector connection	Earth
	0.5-G	0.85-R*	Fuse No. 3**	Fuse No. 19	Fuse No. 20				
Lamps fail to illuminate	②			①			④	③	⑤
Lamps on only one side illuminate				①		②		③	④

NOTE (1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles equipped with the 4-lamp type of headlamps.
(3) The ** symbol indicates vehicles for General Export and Australia.

13 REAR FOG LAMP CIRCUIT

13-1 Vehicles for Europe except Norway and Sweden [Refer to P. 4-50, 51]

Inspection items / Symptom	Fusible link 0.5-G	Fuse No. 10	Lighting switch	Rear fog lamp switch	Indicator bulb	Bulb	Wiring harness and connector connection	Earth
The rear fog lamp does not illuminate	⑤	①	④	③		②	⑥	⑦
The rear fog lamp indicator does not illuminate					①		②	③

NOTE
Number in circle indicates inspection sequence.

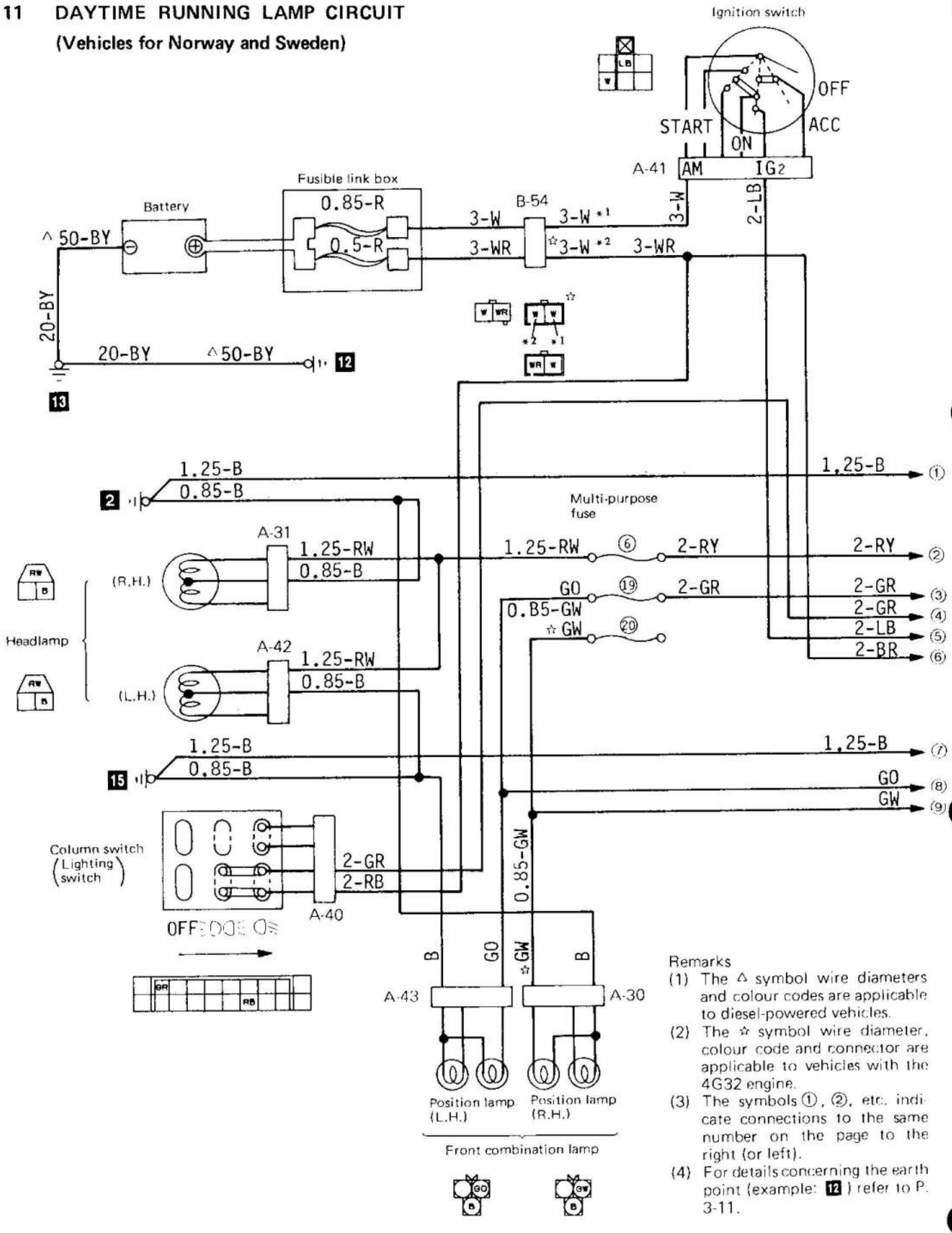
13-2 Vehicles for Norway and Sweden [Refer to P. 4-52, 53]

Inspection items / Symptom	Fusible link 0.5-G	Fuse No. 10	Lighting switch	Rear fog lamp switch	Rear fog lamp relay	Indicator bulb	Bulb	Diode connector	Wiring harness and connector connection	Earth
The rear fog lamp does not illuminate	⑥	①	⑤	③	④		②	⑦	⑧	⑨
The rear fog lamp indicator does not illuminate						①			②	③

NOTE
Number in circle indicates inspection sequence.

11 DAYTIME RUNNING LAMP CIRCUIT

(Vehicles for Norway and Sweden)



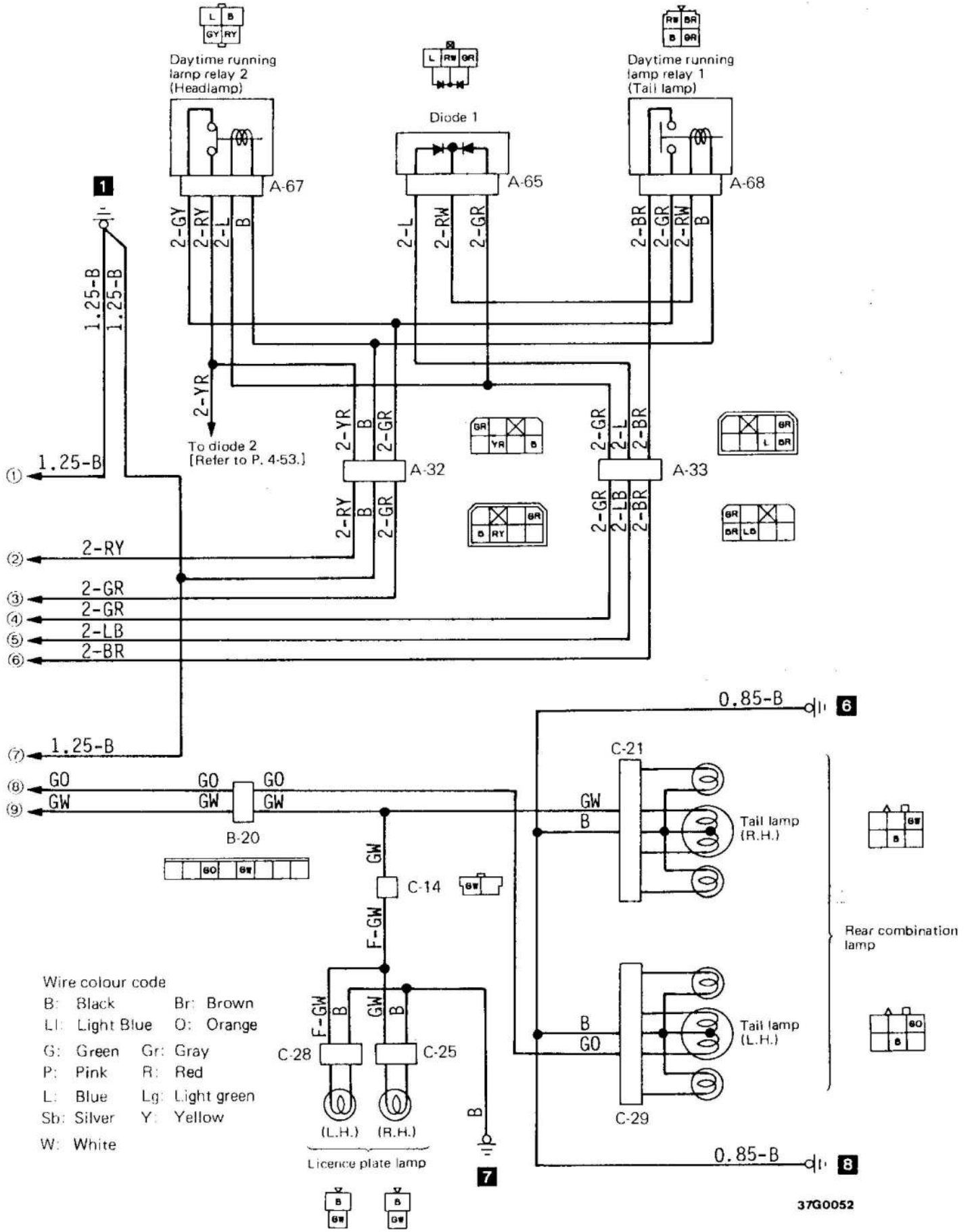
Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.

(2) The ☆ symbol wire diameter, colour code and connector are applicable to vehicles with the 4G32 engine.

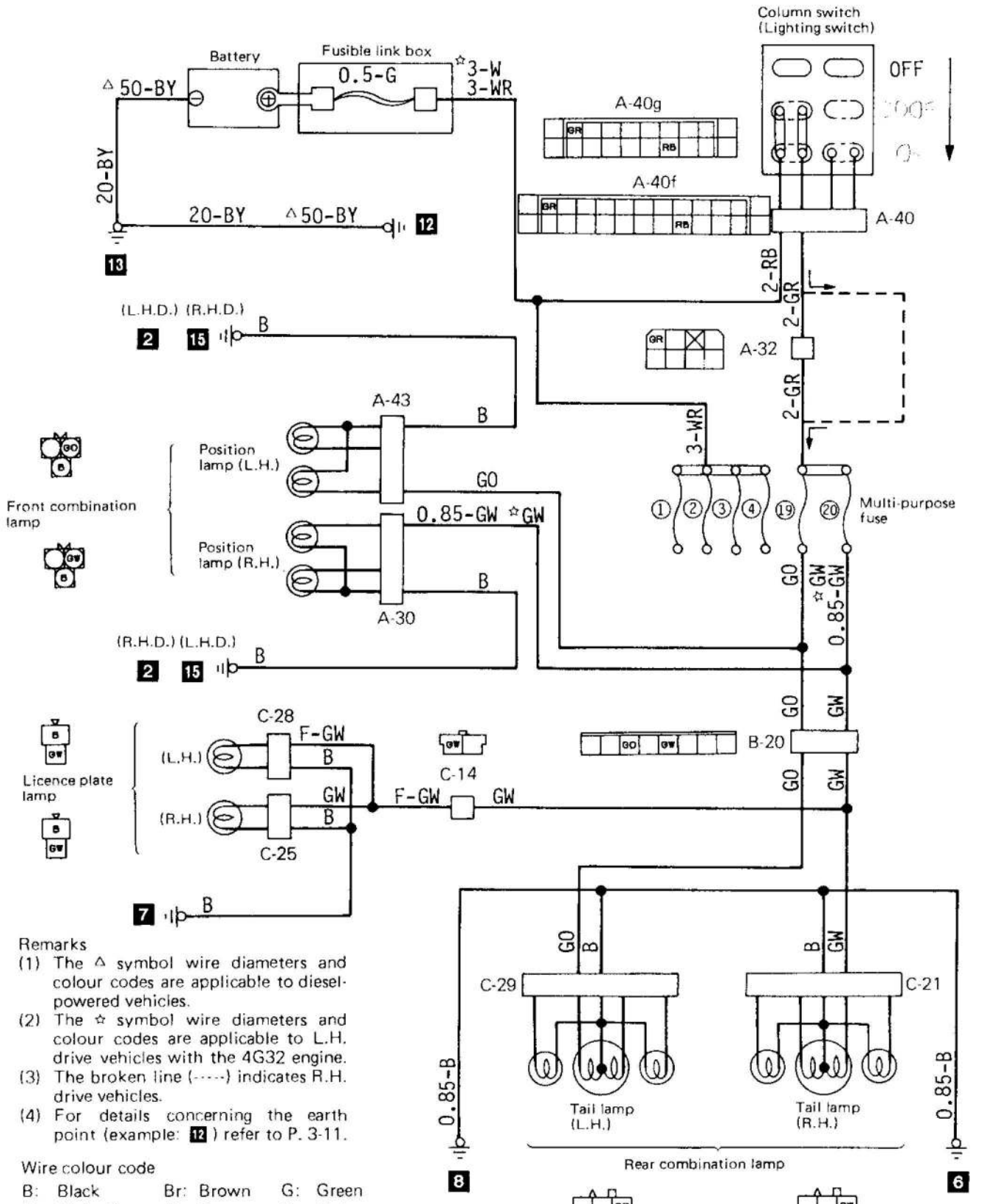
(3) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).

(4) For details concerning the earth point (example: 12) refer to P. 3-11.


Daytime running lamp relay 2 (Headlamp)
Diode 1
Daytime running lamp relay 1 (Tail lamp)
A-67
A-65
A-68
1
1.25-B
2-GY
2-RY
2-L
B
2-RW
2-GR
2-BR
To diode 2 [Refer to P. 4-53.]
A-32
A-33
2-LB
①
②
③
④
⑤
⑥
⑦
⑧
⑨
GO
GW
B-20
C-14
F-GW
C-28
C-25
(L.H.)
(R.H.)
Licence plate lamp
7
0.85-B
6
8
C-21
C-29
Tail lamp (R.H.)
Tail lamp (L.H.)
Rear combination lamp
Wire colour code
B: Black
Br: Brown
Ll: Light Blue
O: Orange
G: Green
Gr: Gray
P: Pink
R: Red
L: Blue
Lg: Light green
Sb: Silver
Y: Yellow
W: White
37G0052

12 TAIL LAMP · POSITION LAMP AND LICENCE PLATE LAMP CIRCUITS

12-1 Vehicles for Europe except Norway and Sweden



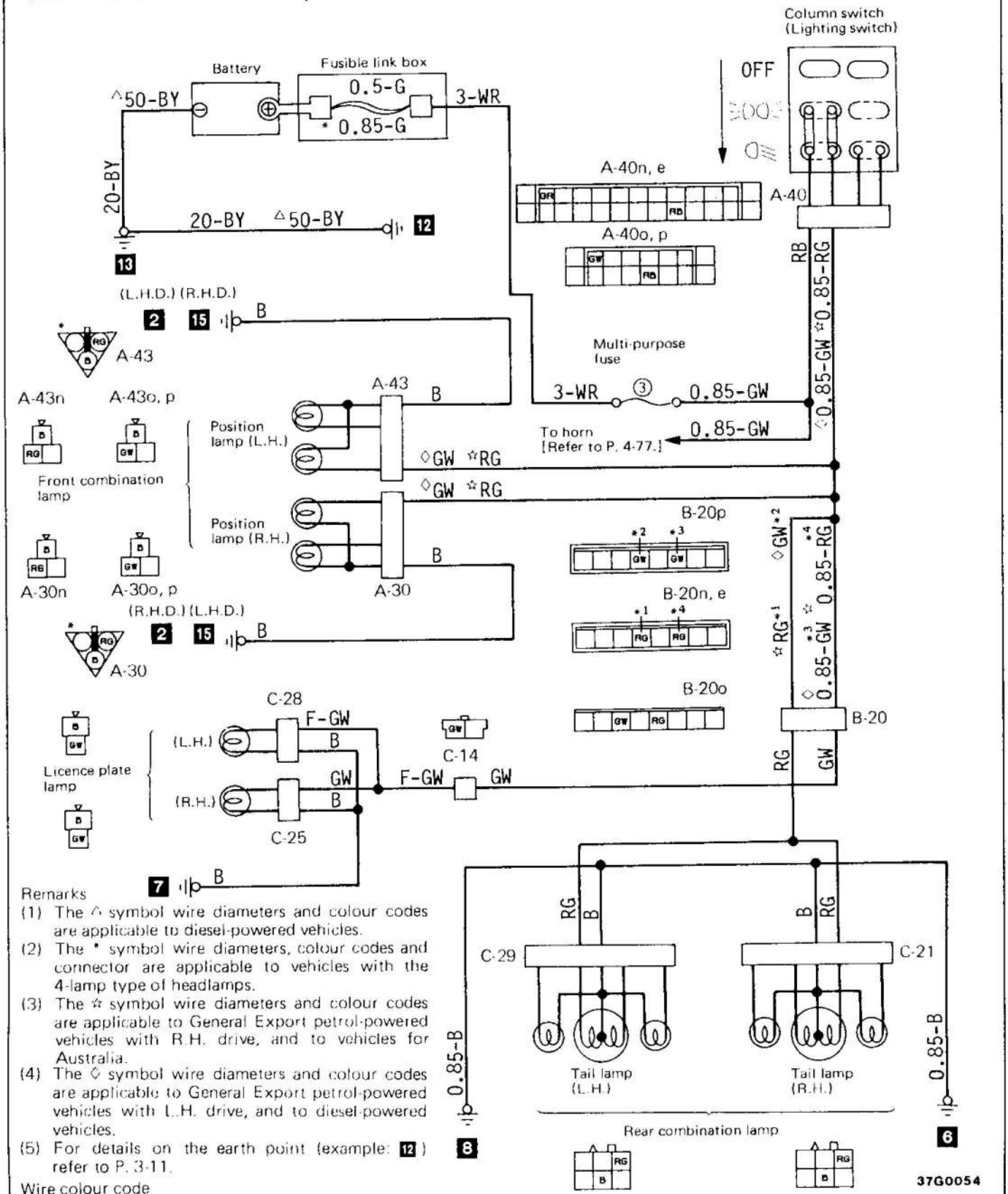
Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The ☆ symbol wire diameters and colour codes are applicable to L.H. drive vehicles with the 4G32 engine.
(3) The broken line (-----) indicates R.H. drive vehicles.
(4) For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

12-2 Vehicles for General Export and Australia



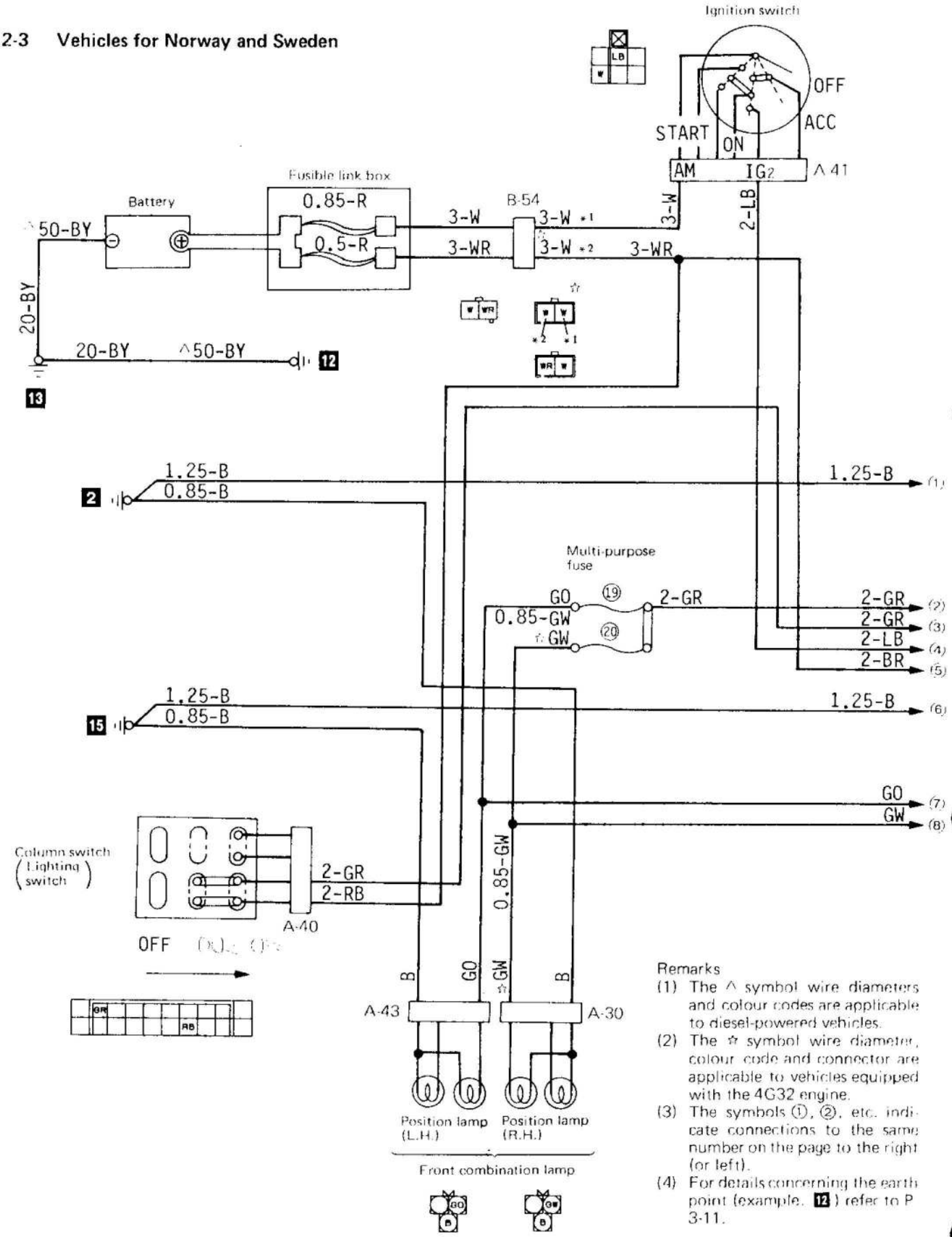
Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The * symbol wire diameters, colour codes and connector are applicable to vehicles with the 4-lamp type of headlamps.
(3) The ☆ symbol wire diameters and colour codes are applicable to General Export petrol-powered vehicles with R.H. drive, and to vehicles for Australia.
(4) The ◇ symbol wire diameters and colour codes are applicable to General Export petrol-powered vehicles with L.H. drive, and to diesel-powered vehicles.
(5) For details on the earth point (example: 12) refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green	W: White
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	

12-3 Vehicles for Norway and Sweden



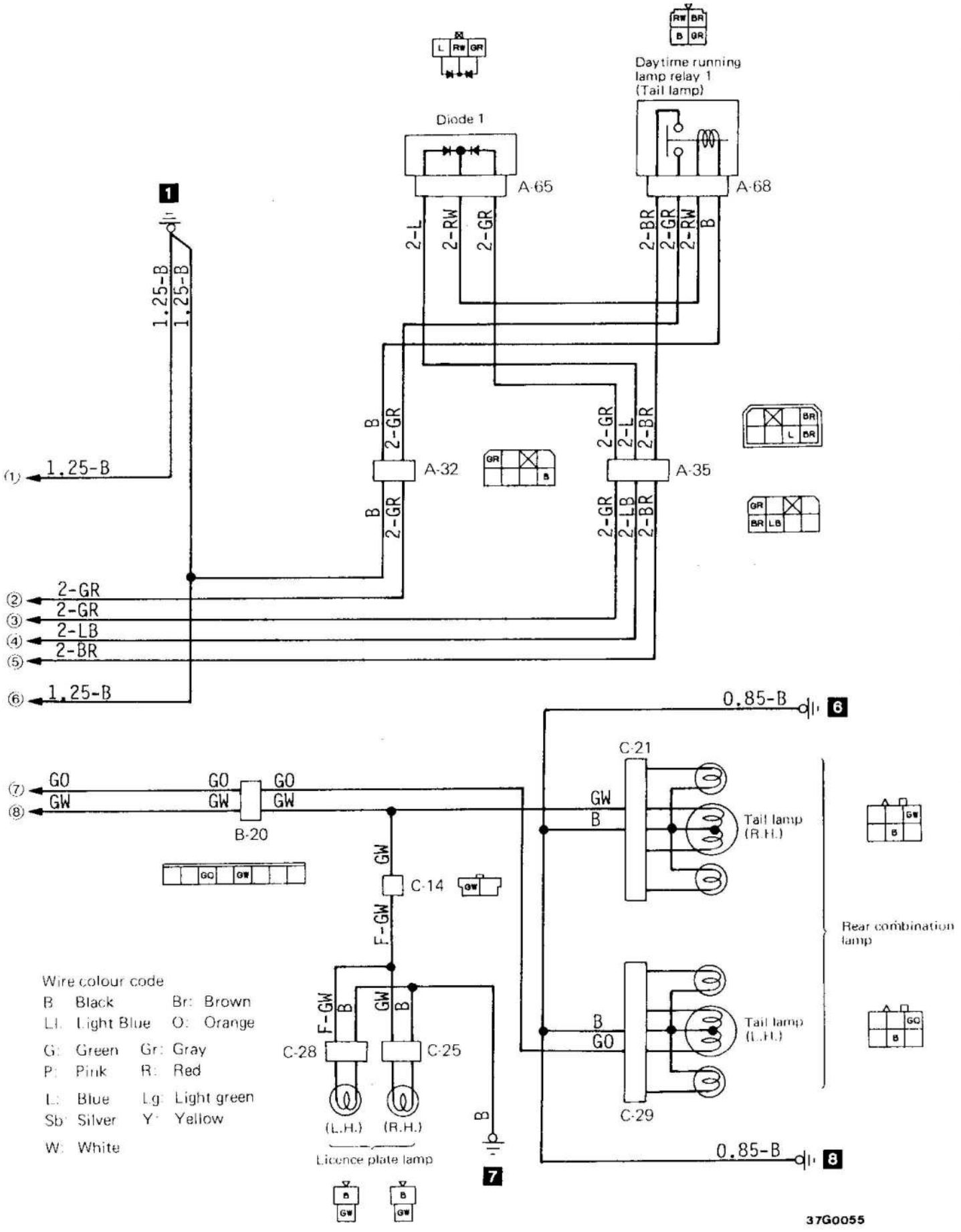
Remarks

(1) The ^ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.

(2) The ☆ symbol wire diameter, colour code and connector are applicable to vehicles equipped with the 4G32 engine.

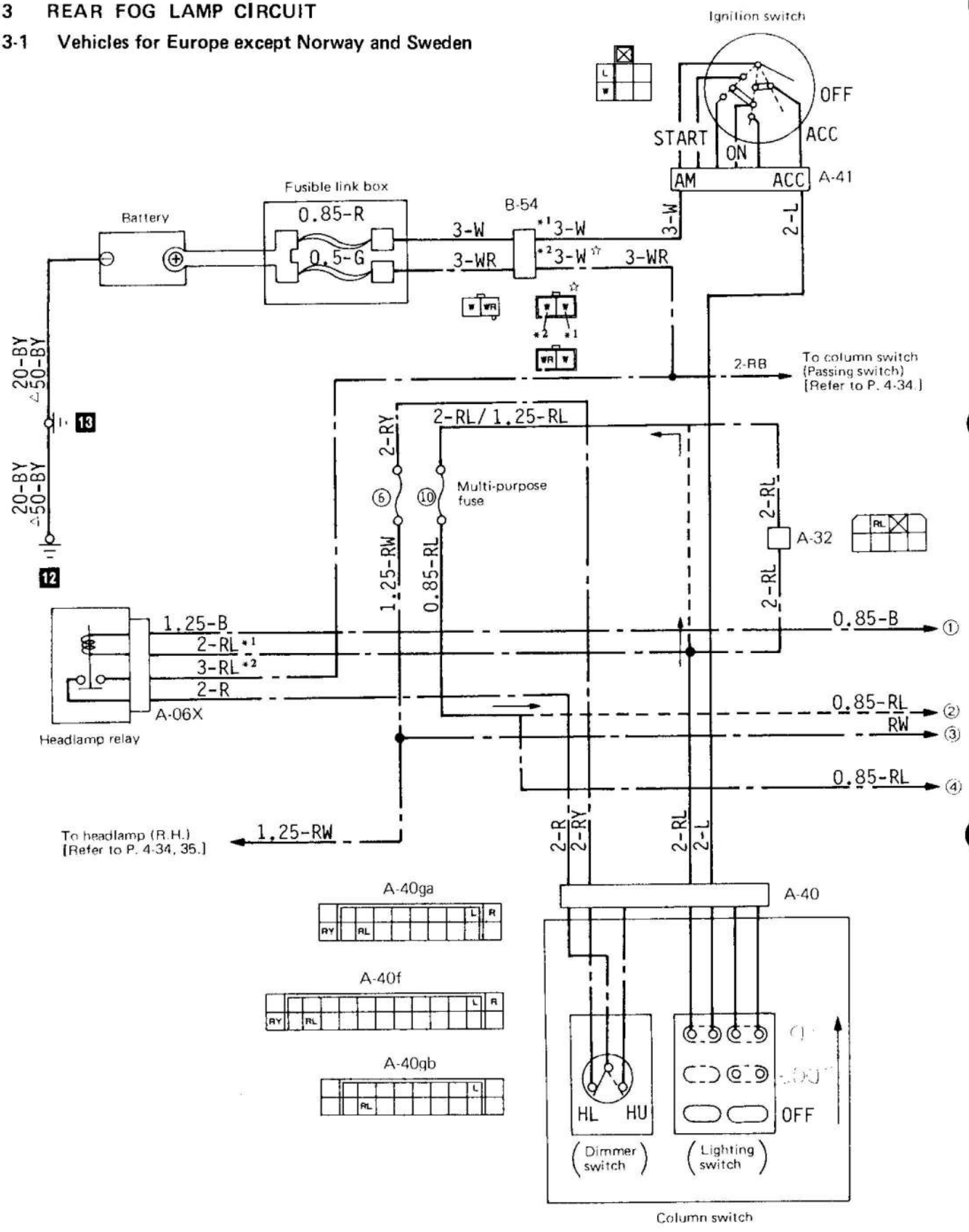
(3) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).

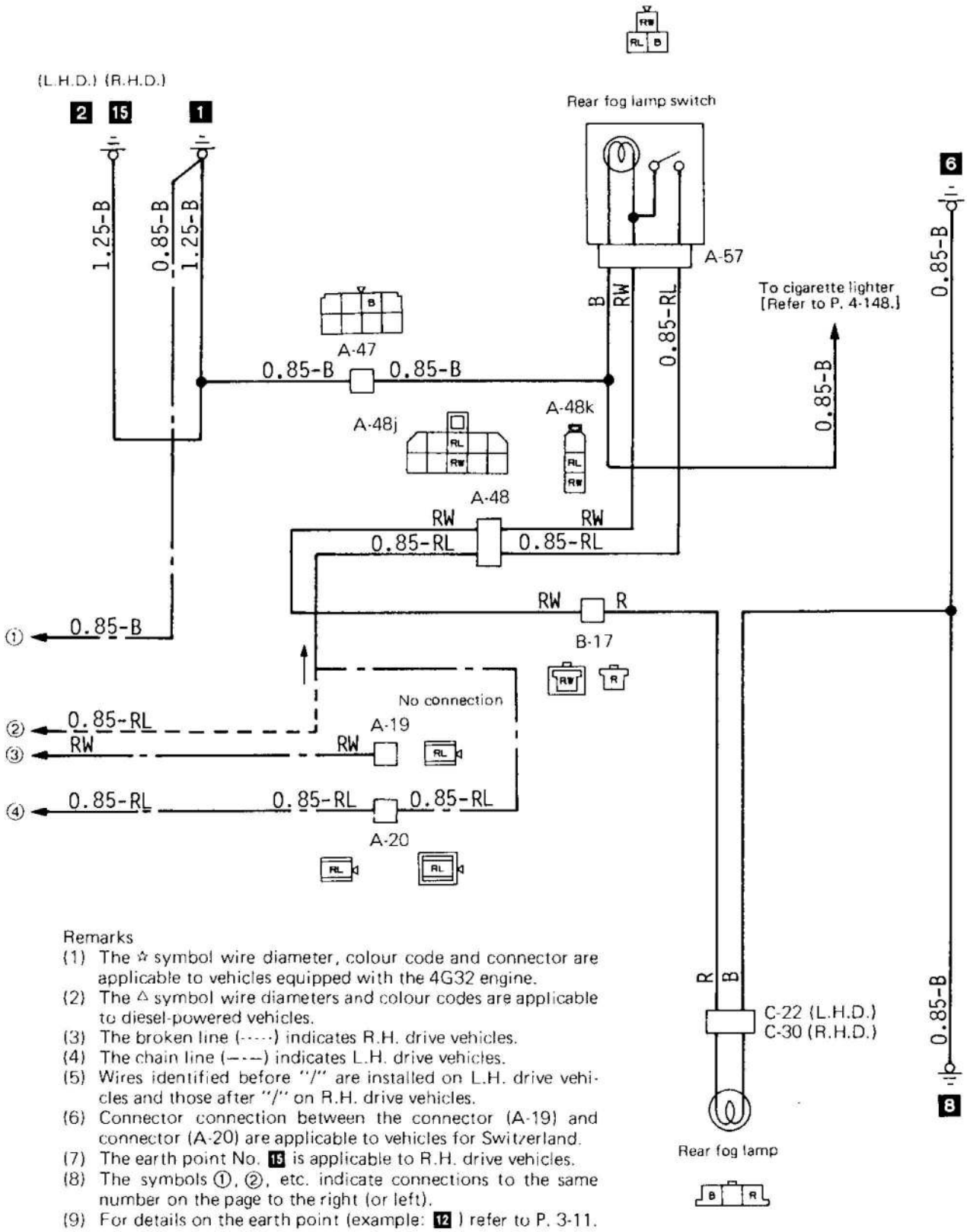
(4) For details concerning the earth point (example, 12) refer to P 3-11.


Daytime running lamp relay 1 (Tail lamp)
Diode 1
A-65
A-68
A-32
A-35
B-20
C-14
C-21
C-25
C-28
C-29
Tail lamp (R.H.)
Tail lamp (L.H.)
Rear combination lamp
Licence plate lamp
(L.H.)
(R.H.)
1.25-B
2-GR
2-LB
2-BR
2-L
2-RW
B
GO
GW
F-GW
0.85-B
Wire colour code
B: Black
Br: Brown
Li: Light Blue
O: Orange
G: Green
Gr: Gray
P: Pink
R: Red
L: Blue
Lg: Light green
Sb: Silver
Y: Yellow
W: White
37G0055

13 REAR FOG LAMP CIRCUIT

13-1 Vehicles for Europe except Norway and Sweden





Remarks

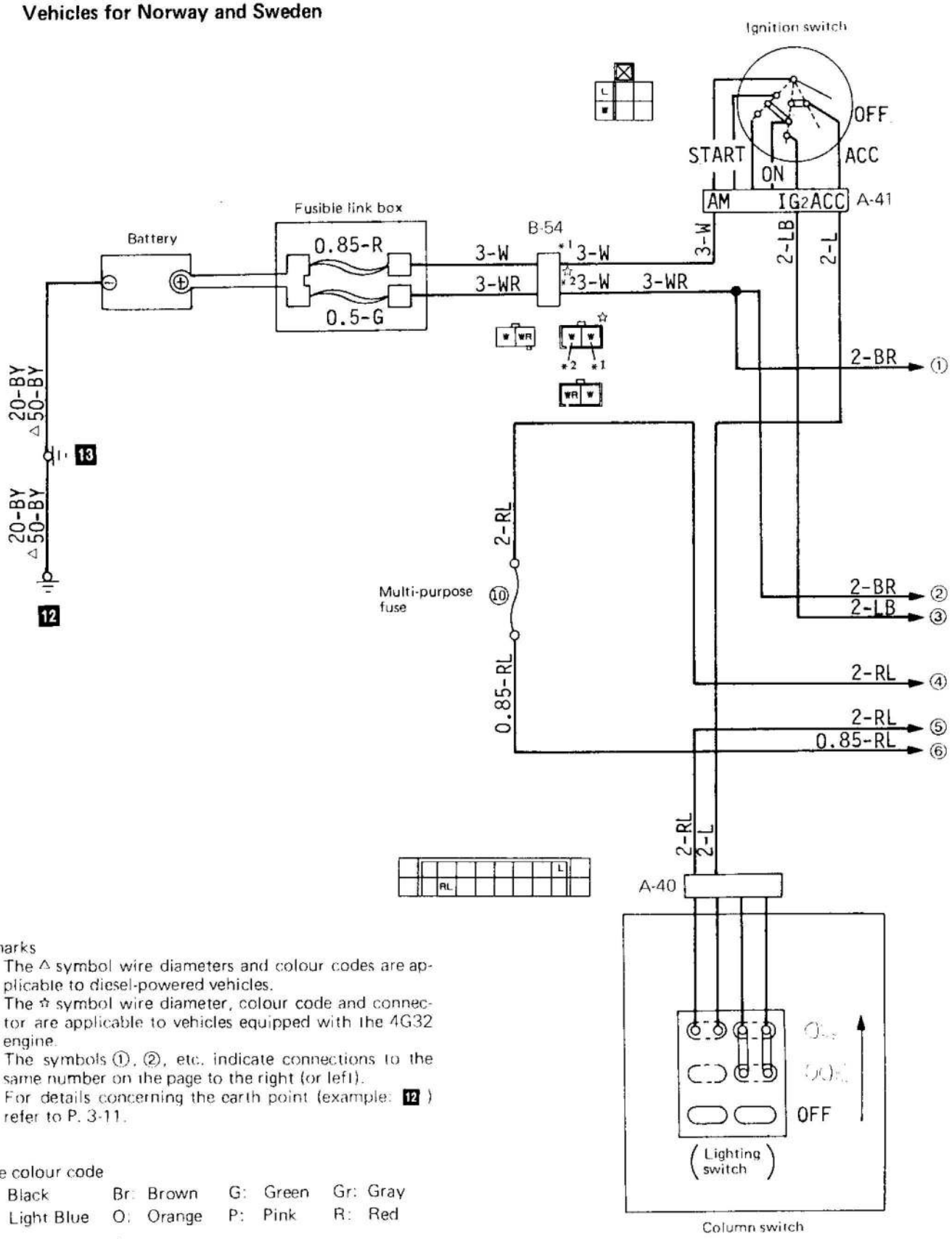
(1) The ☆ symbol wire diameter, colour code and connector are applicable to vehicles equipped with the 4G32 engine.
(2) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(3) The broken line (-----) indicates R.H. drive vehicles.
(4) The chain line (—·—) indicates L.H. drive vehicles.
(5) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.
(6) Connector connection between the connector (A-19) and connector (A-20) are applicable to vehicles for Switzerland.
(7) The earth point No. 15 is applicable to R.H. drive vehicles.
(8) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(9) For details on the earth point (example: 12) refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0056

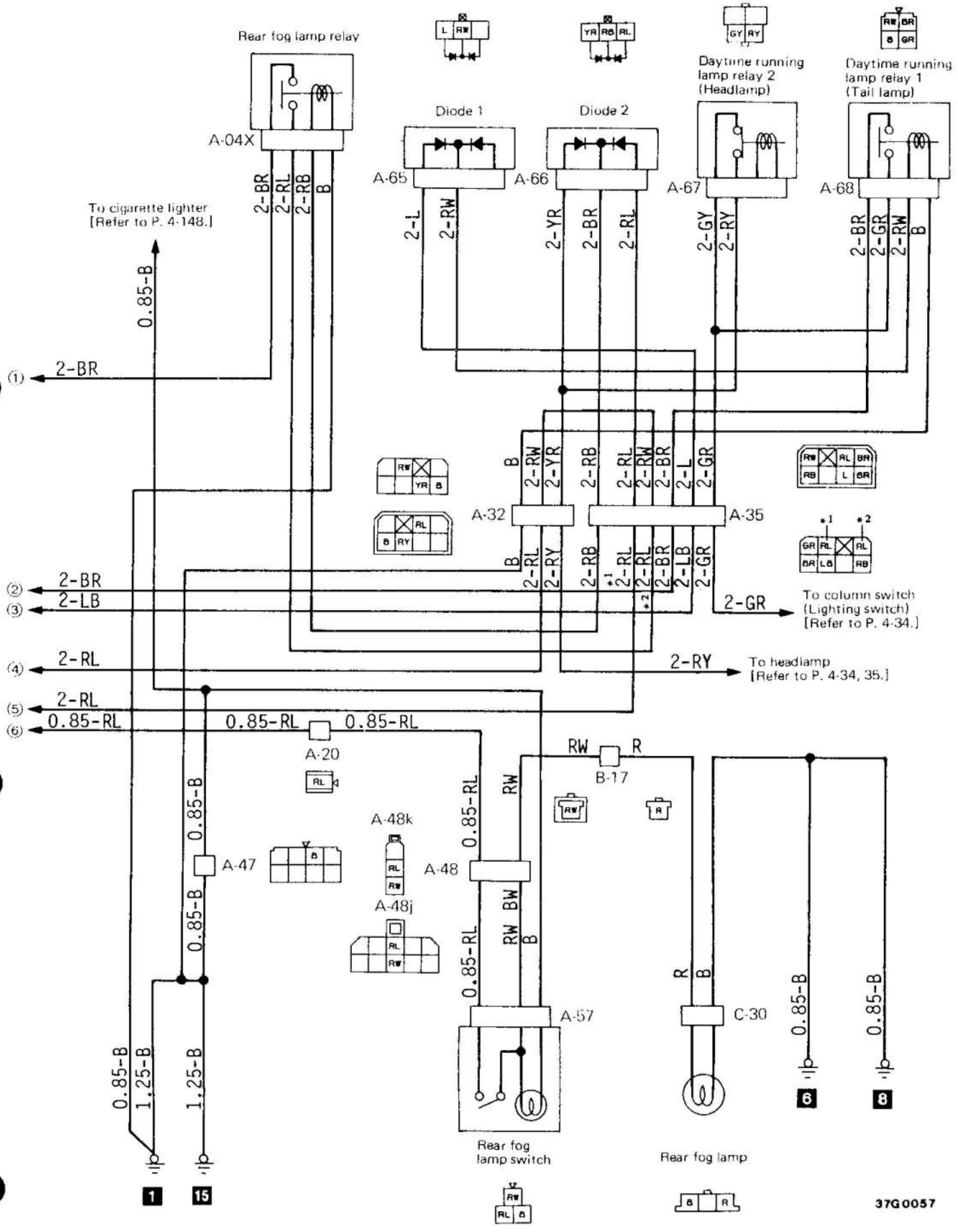
13-2 Vehicles for Norway and Sweden



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The ☆ symbol wire diameter, colour code and connector are applicable to vehicles equipped with the 4G32 engine.
(3) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(4) For details concerning the earth point (example: 12) refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray
Lt: Light Blue	O: Orange	P: Pink	R: Red
L: Blue	Lg: Light green		
Sb: Silver	Y: Yellow	W: White	


Rear fog lamp relay
A-04X
Diode 1
Diode 2
A-65
A-66
Daytime running lamp relay 2 (Headlamp)
Daytime running lamp relay 1 (Tail lamp)
A-67
A-68
To cigarette lighter [Refer to P. 4-148.]
0.85-B
2-BR
2-RL
2-RB
B
2-L
2-RW
2-YR
2-GY
2-RY
2-GR
(1) 2-BR
(2) 2-BR
(3) 2-LB
(4) 2-RL
(5) 2-RL
(6) 0.85-RL
A-32
A-35
To column switch (Lighting switch) [Refer to P. 4-34.]
To headlamp [Refer to P. 4-34, 35.]
A-20
B-17
A-48k
A-47
A-48
A-48j
A-57
C-30
Rear fog lamp switch
Rear fog lamp
1
15
6
8
37G0057

TROUBLESHOOTING

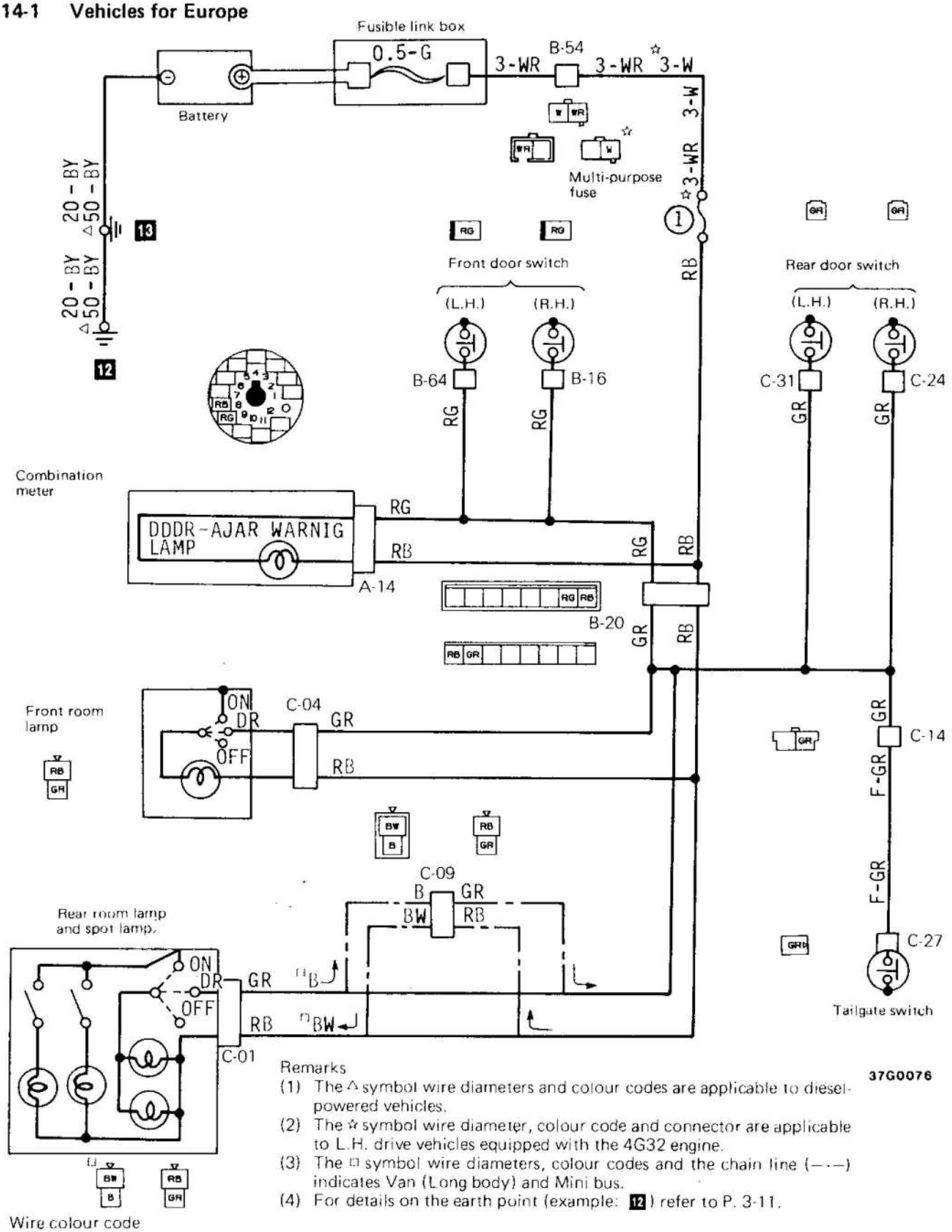
14 ROOM LAMP CIRCUIT [Refer to P. 4-55 to 59]

Inspection items / Symptom	Fusible link 0.5-G	Fusible link 0.85-R*	Fuse No. 1	Front door switch	Rear door switch	Tail gate switch	Room lamp switch	Indicator bulb	Printed circuit board	Bulb	Diode**	Wiring harness and connector connection	Earth
The room lamp does not illuminate when the door is opened (illuminates when the room lamp switch is door position)	④		①		③		②			⑤		⑥	⑦
The room lamp does not illuminate (illuminates when the room lamp switch is ON position)							②			③			①
Door-ajar warning lamp does not illuminate			①		②			④	⑤		③	⑥	⑦
Door-ajar warning lamp does not be turned off					①								

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles equipped with the 4-lamp type of headlamps.
(3) The ** symbol indicates vehicles for Australia.

14 ROOM LAMP CIRCUIT

14-1 Vehicles for Europe



37G0076

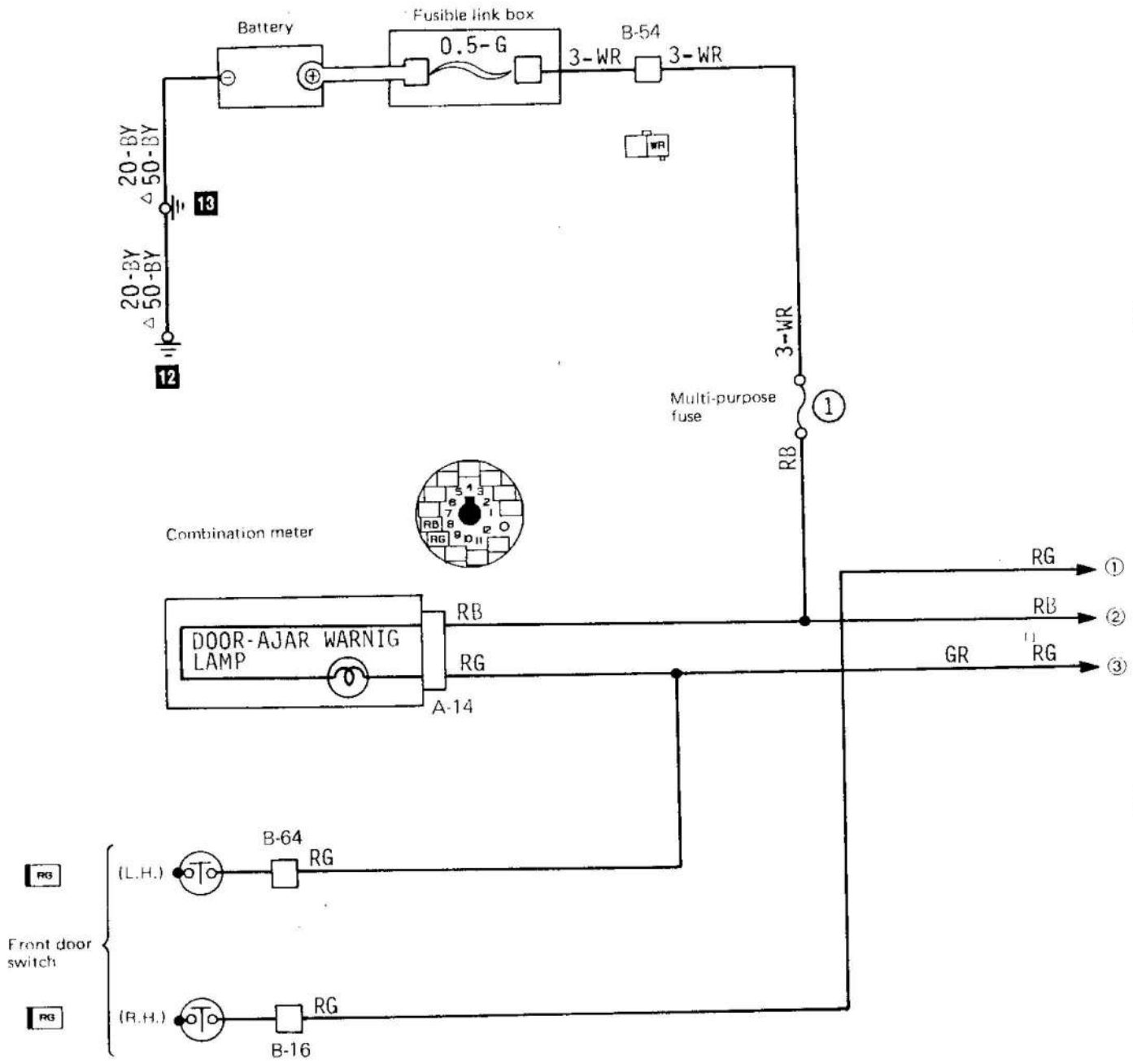
Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The ☆ symbol wire diameter, colour code and connector are applicable to L.H. drive vehicles equipped with the 4G32 engine.
(3) The □ symbol wire diameters, colour codes and the chain line (—·—) indicates Van (Long body) and Mini bus.
(4) For details on the earth point (example: 12) refer to P. 3-11.

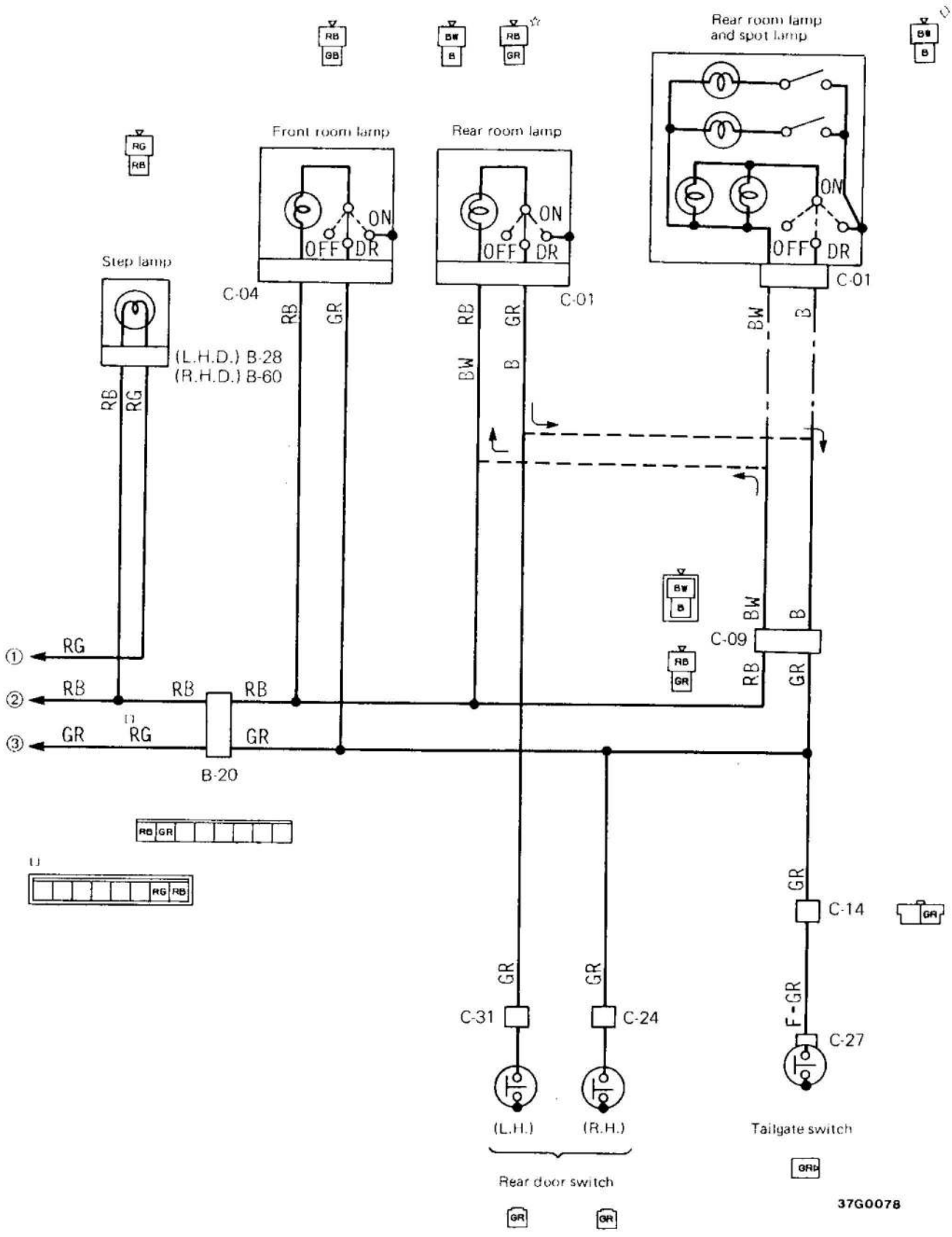
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
Li: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White

14-2 Vehicles for General Export



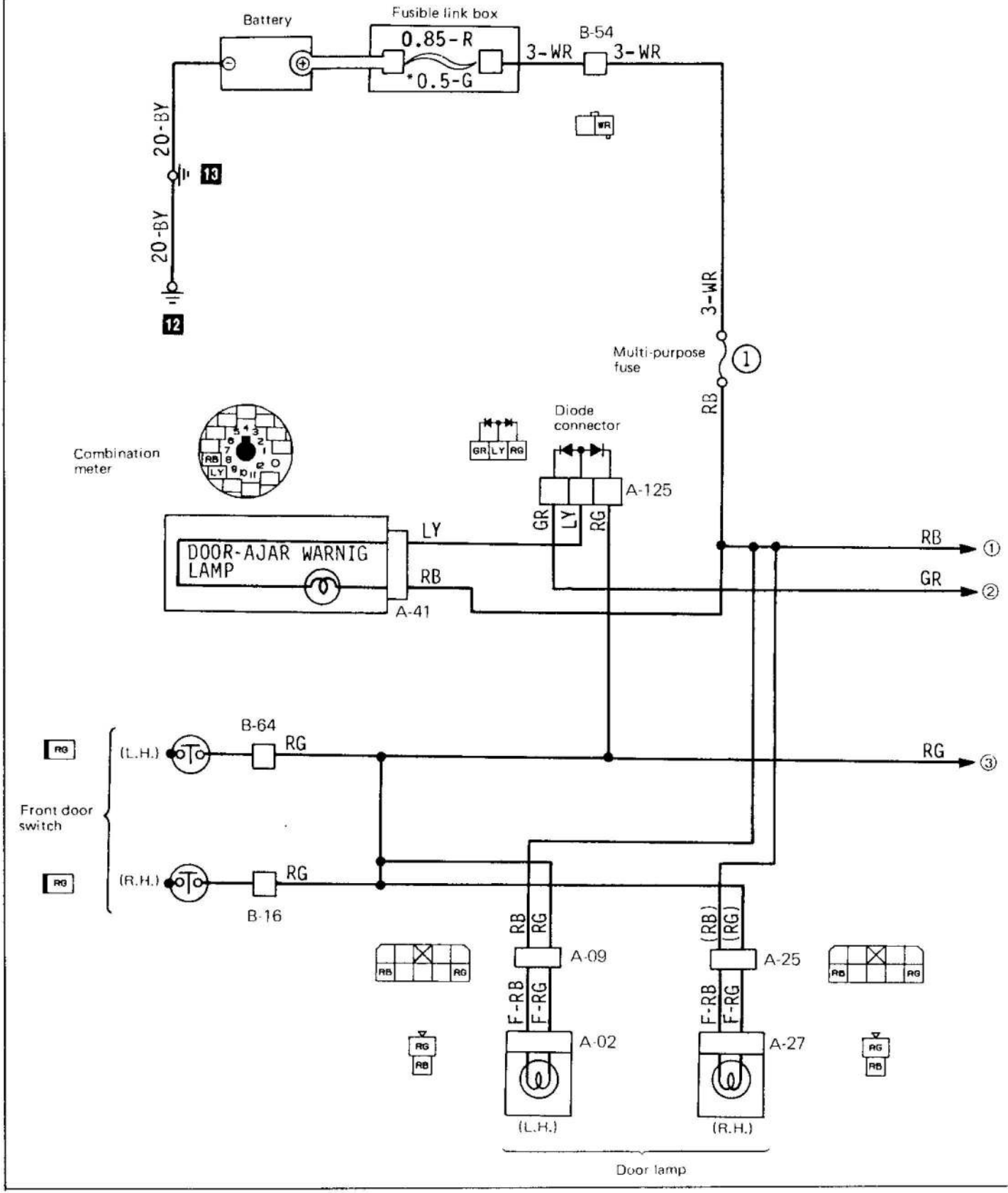
Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The □ symbol wire diameters, colour codes and connector are applicable to diesel-powered vehicles with R.H. drive.
(3) The ○ symbol connector and the chain line (—··—) are applicable to vehicles equipped with rear room lamp, spot lamp and step lamp.
(4) The ☆ symbol connector and the broken line (-----) are applicable to Van (Long body) and Mini bus (except 4G32 engine).
(5) The symbols (1), (2), etc. indicate connections to the same number on the page to the right (or left).
(6) For details on the earth point (example: 12) refer to P. 3-11.

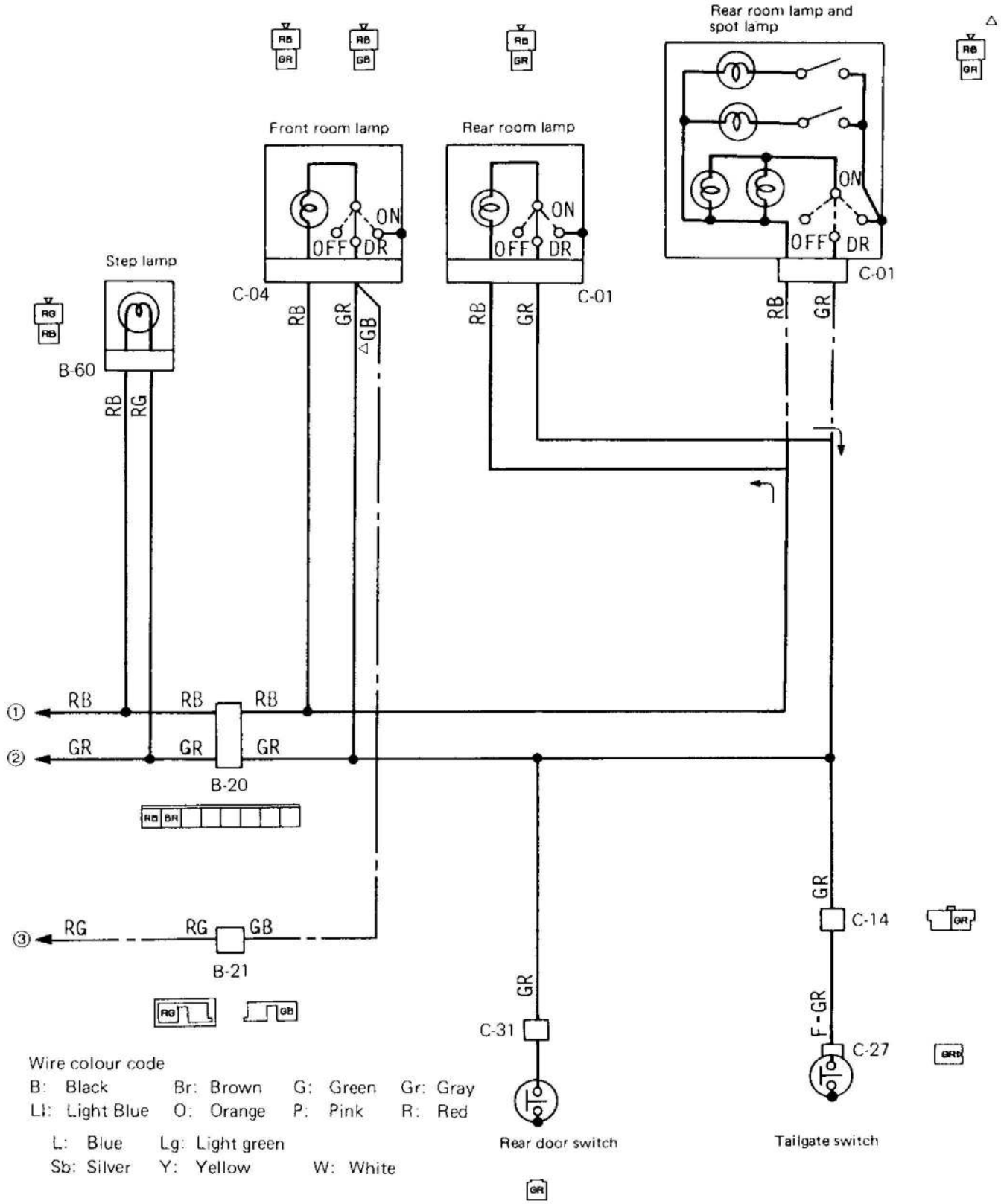


Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White

14-3 Vehicles for Australia





Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		

Remarks

(1) The △ symbol wire diameter, colour code and the chain line (—·—) are applicable to vehicles equipped with rear room lamp and spot lamp.
(2) The fusible link box * symbol wire diameter and colour code is applicable to vehicles equipped with the 4-lamp type of headlamps.
(3) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). 37G0079
(4) For details on the earth point (example: 12) refer to P. 3-11.

TROUBLESHOOTING

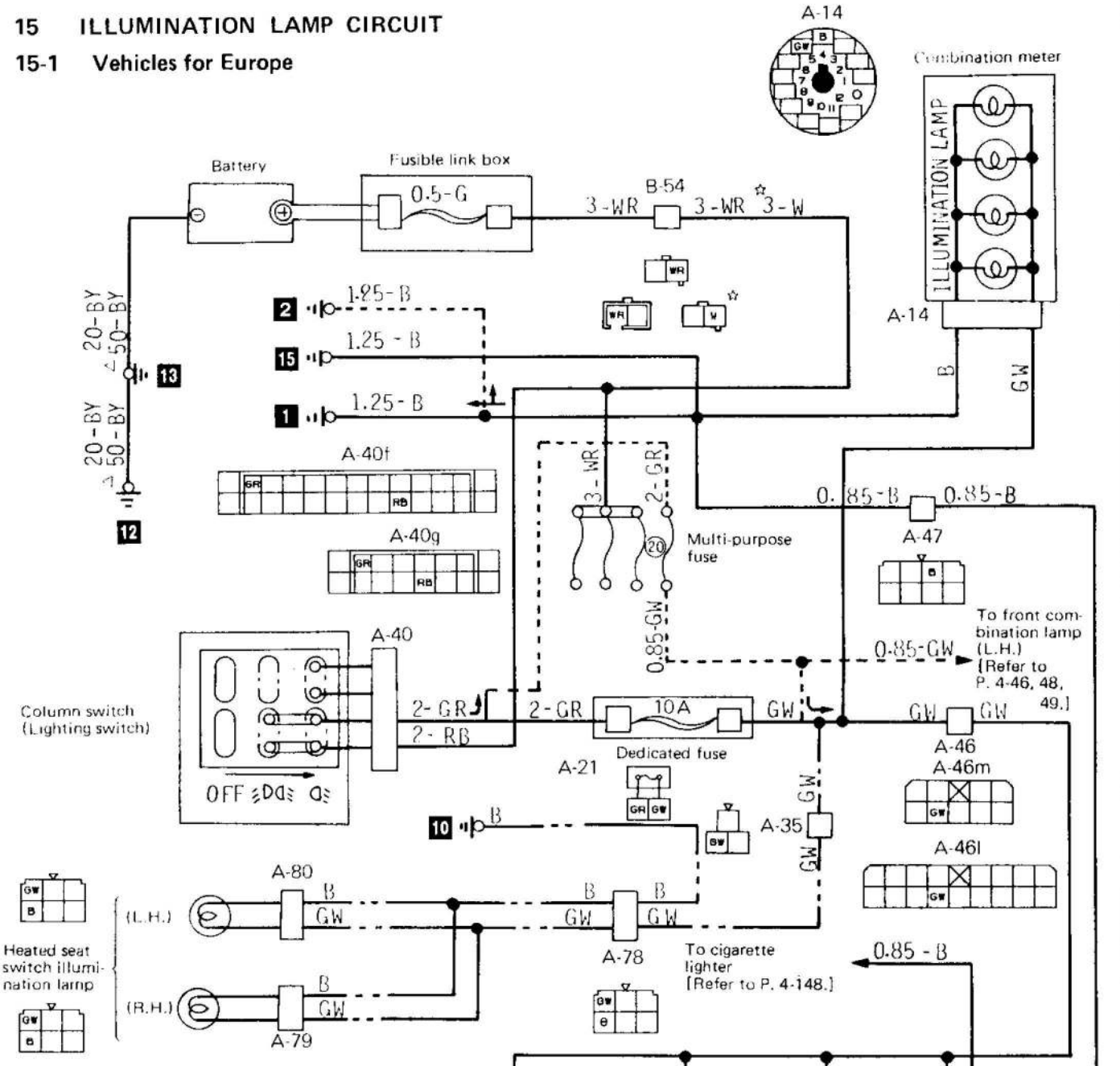
15 ILLUMINATION LAMP CIRCUIT [Refer to P. 4-61 to 65]

Inpsection items / Symptom	Fusible link 0.5-G	Multi-purpose fuse		Dedicated fuse 10A	Lighting switch	Lamp bulb	Printed circuit boad	Lighting switch	Rheostat***	Wiring harness and connector connection	Earth
		Fuse No. 3*	Fuse No. 20**								
Illumination lamp fails to illuminate	⑤	①		②	④	③	⑦	⑥		⑧	⑨
***Illumination lamp cannot be dimmed									①	②	

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.
(3) The ** symbol indicates R.H. drive vehicles for Europe.
(4) The *** symbol indicates vehicles for Australia.

15 ILLUMINATION LAMP CIRCUIT

15-1 Vehicles for Europe



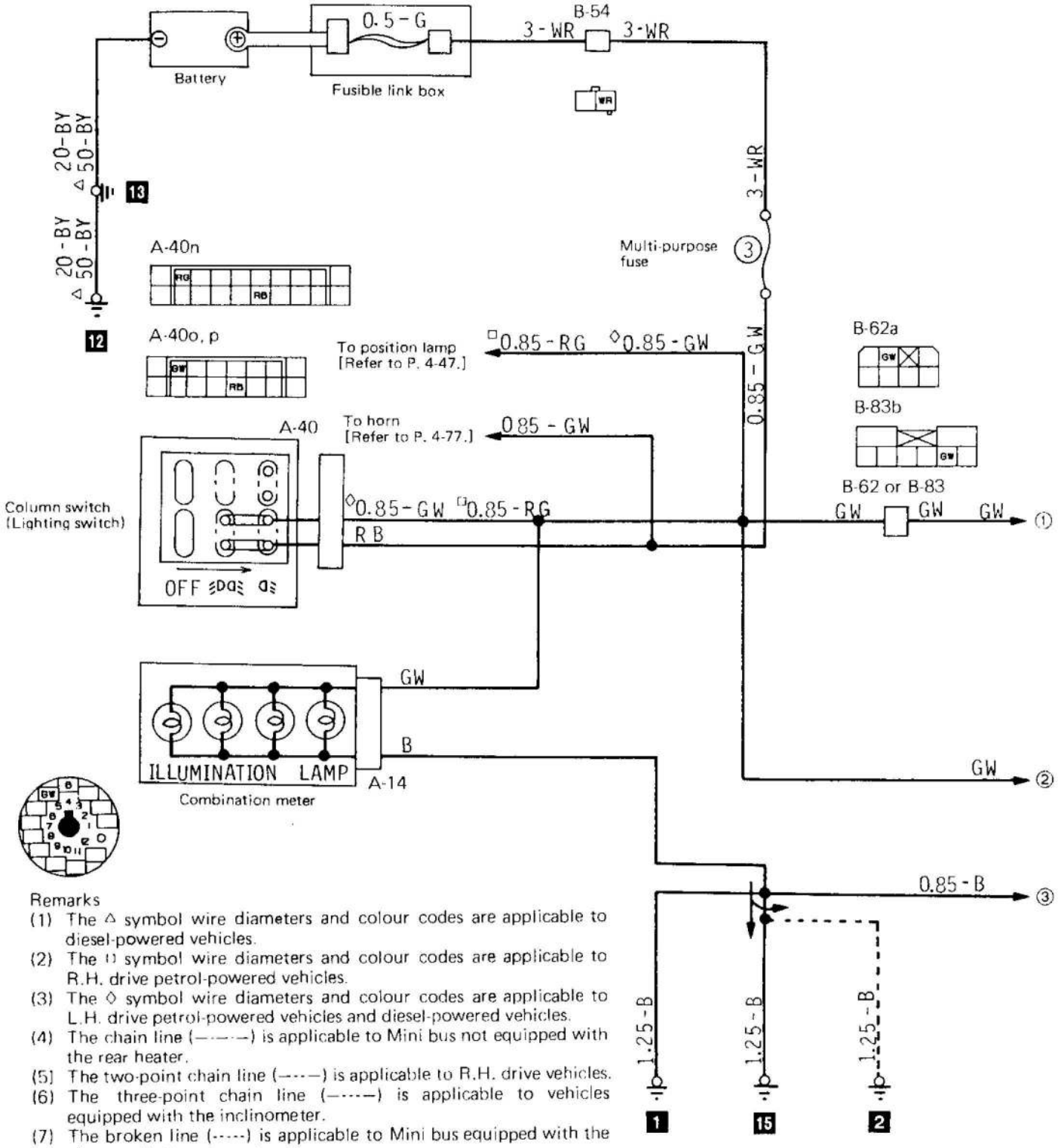
Remarks

(1) The ^ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The chain line (—·—) is applicable to vehicles equipped with the inclino meter.
(3) The two-point chain line (—··—) is applicable to vehicles equipped with the heated seat.
(4) The broken line (- - - -) indicates R.H. drive vehicles.
(5) The ☆ symbol wire diameter, colour code and connector are applicable to L.H. drive vehicles with the 4G32 engine.
(6) For details on the earth point (example: 12) refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White

15-2 Vehicles for General Export

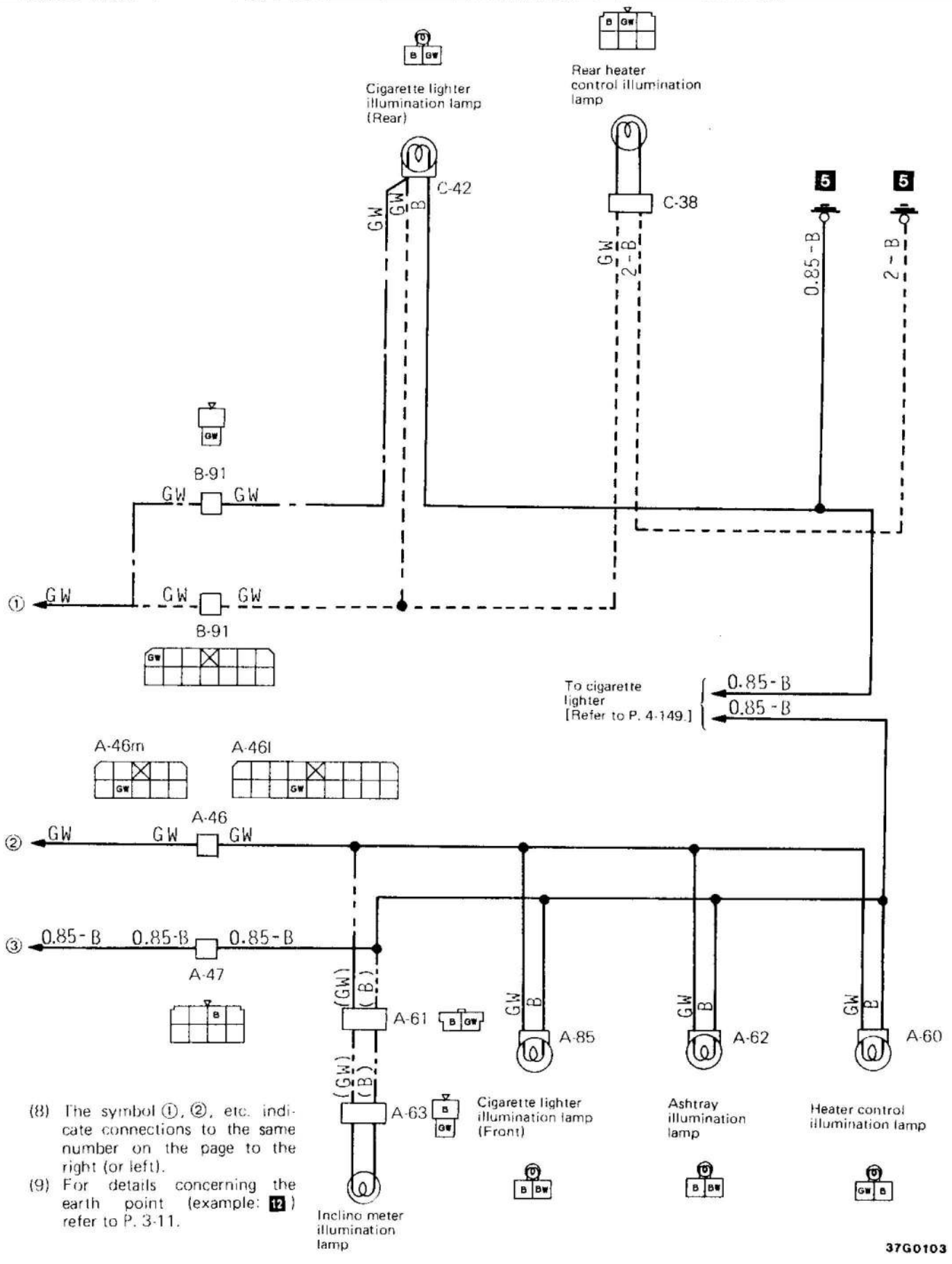


Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The □ symbol wire diameters and colour codes are applicable to R.H. drive petrol-powered vehicles.
(3) The ◇ symbol wire diameters and colour codes are applicable to L.H. drive petrol-powered vehicles and diesel-powered vehicles.
(4) The chain line (—·—·—) is applicable to Mini bus not equipped with the rear heater.
(5) The two-point chain line (—··—) is applicable to R.H. drive vehicles.
(6) The three-point chain line (—···—) is applicable to vehicles equipped with the inclinometer.
(7) The broken line (- - - -) is applicable to Mini bus equipped with the cigarette lighter or rear heater.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green			
Lb: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White		

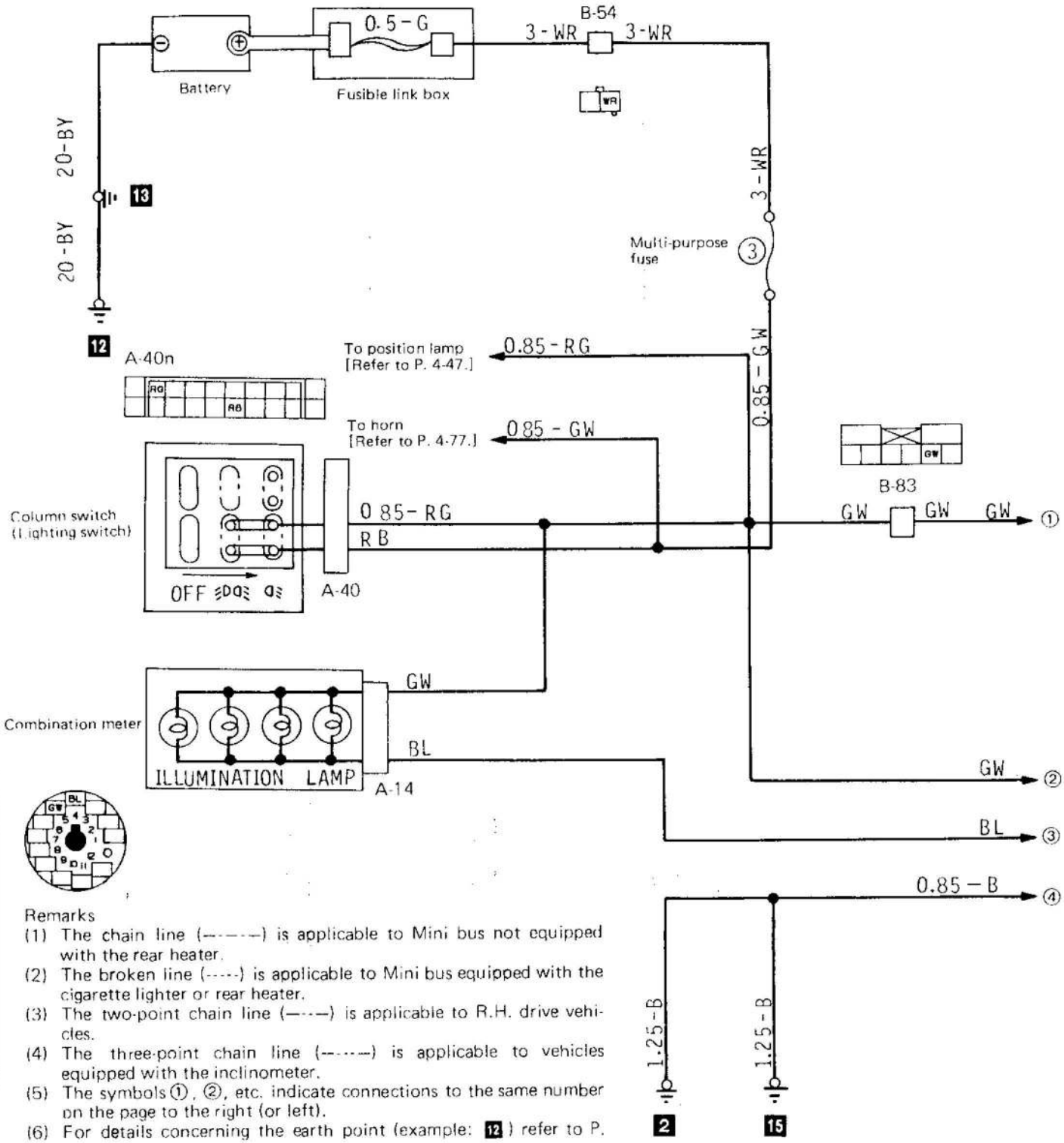


(8) The symbol ①, ②, etc. indicate connections to the same number on the page to the right (or left).

(9) For details concerning the earth point (example: 12) refer to P. 3-11.

37G0103

15-3 Vehicles for Australia

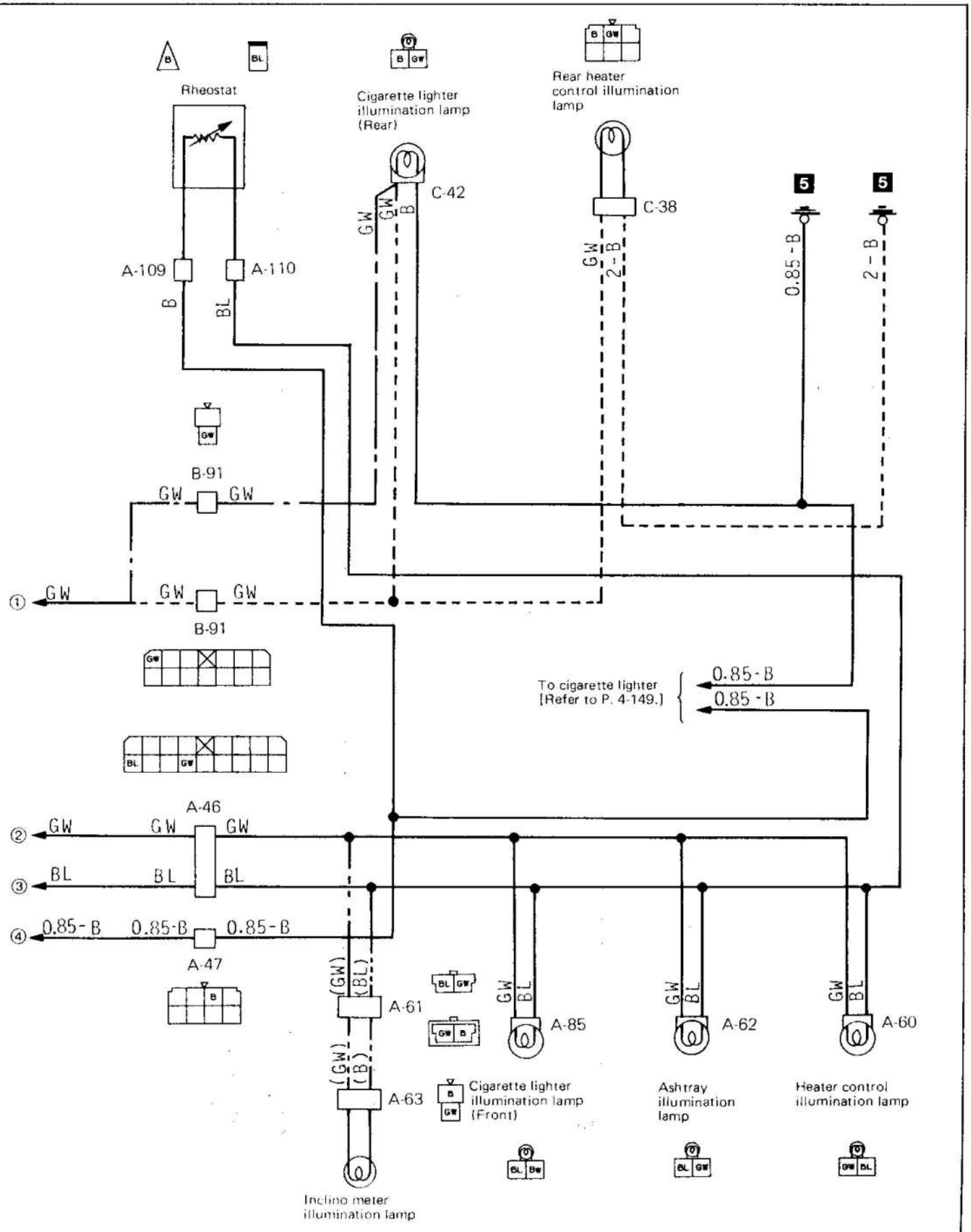


Remarks

(1) The chain line (——·——) is applicable to Mini bus not equipped with the rear heater.
(2) The broken line (- - - -) is applicable to Mini bus equipped with the cigarette lighter or rear heater.
(3) The two-point chain line (——··——) is applicable to R.H. drive vehicles.
(4) The three-point chain line (——···——) is applicable to vehicles equipped with the inclinometer.
(5) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(6) For details concerning the earth point (example: 12) refer to P. 3-11.

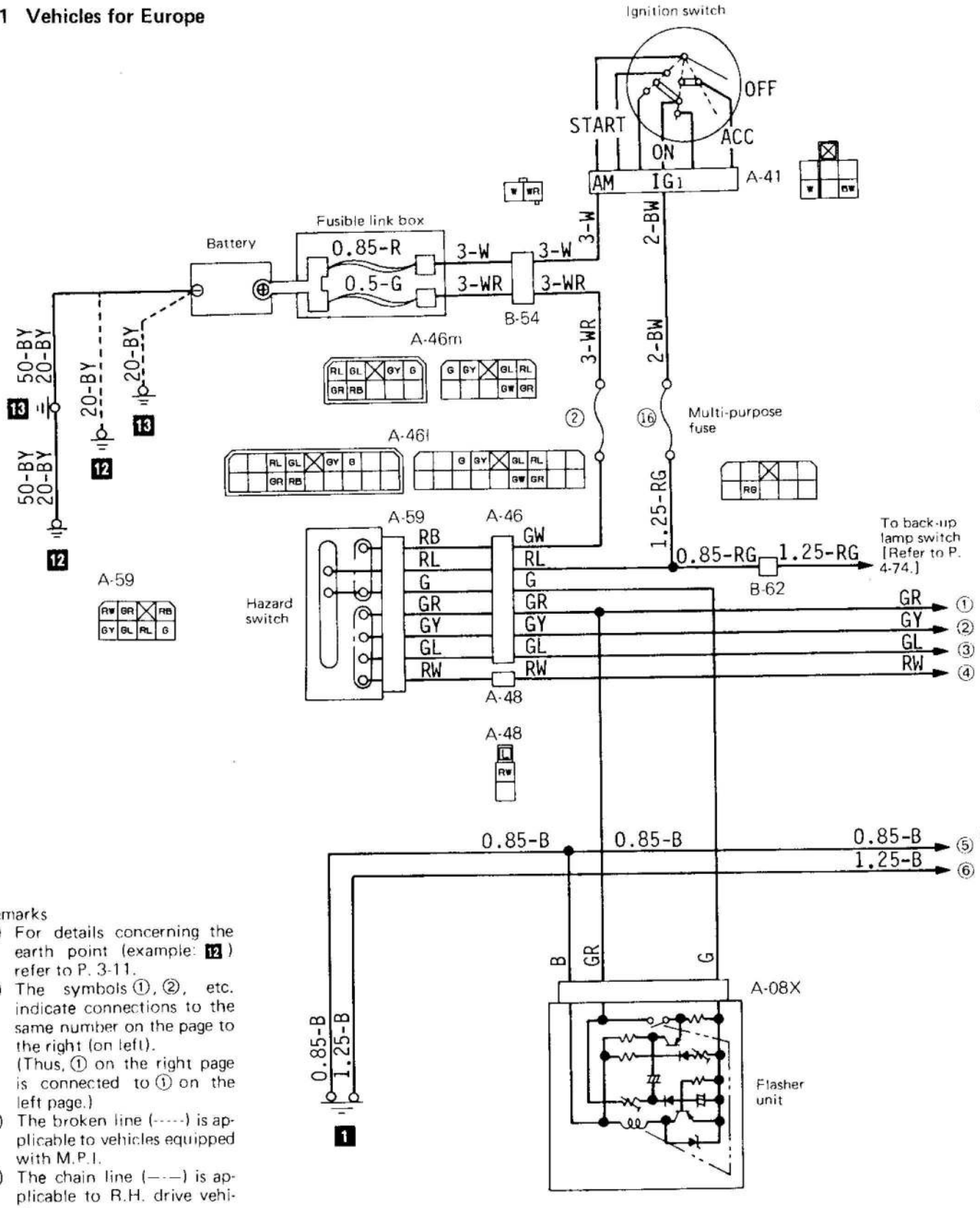
Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Ll	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				


Rheostat
Cigarette lighter illumination lamp (Rear)
Rear heater control illumination lamp
C-42
C-38
A-109
A-110
B-91
B-91
A-46
A-47
A-61
A-63
A-85
A-62
A-60
To cigarette lighter [Refer to P. 4-149.]
Cigarette lighter illumination lamp (Front)
Ashtray illumination lamp
Heater control illumination lamp
Inclino meter illumination lamp
37G0102

16 TURN-SIGNAL LAMP AND HAZARD LAMP CIRCUIT

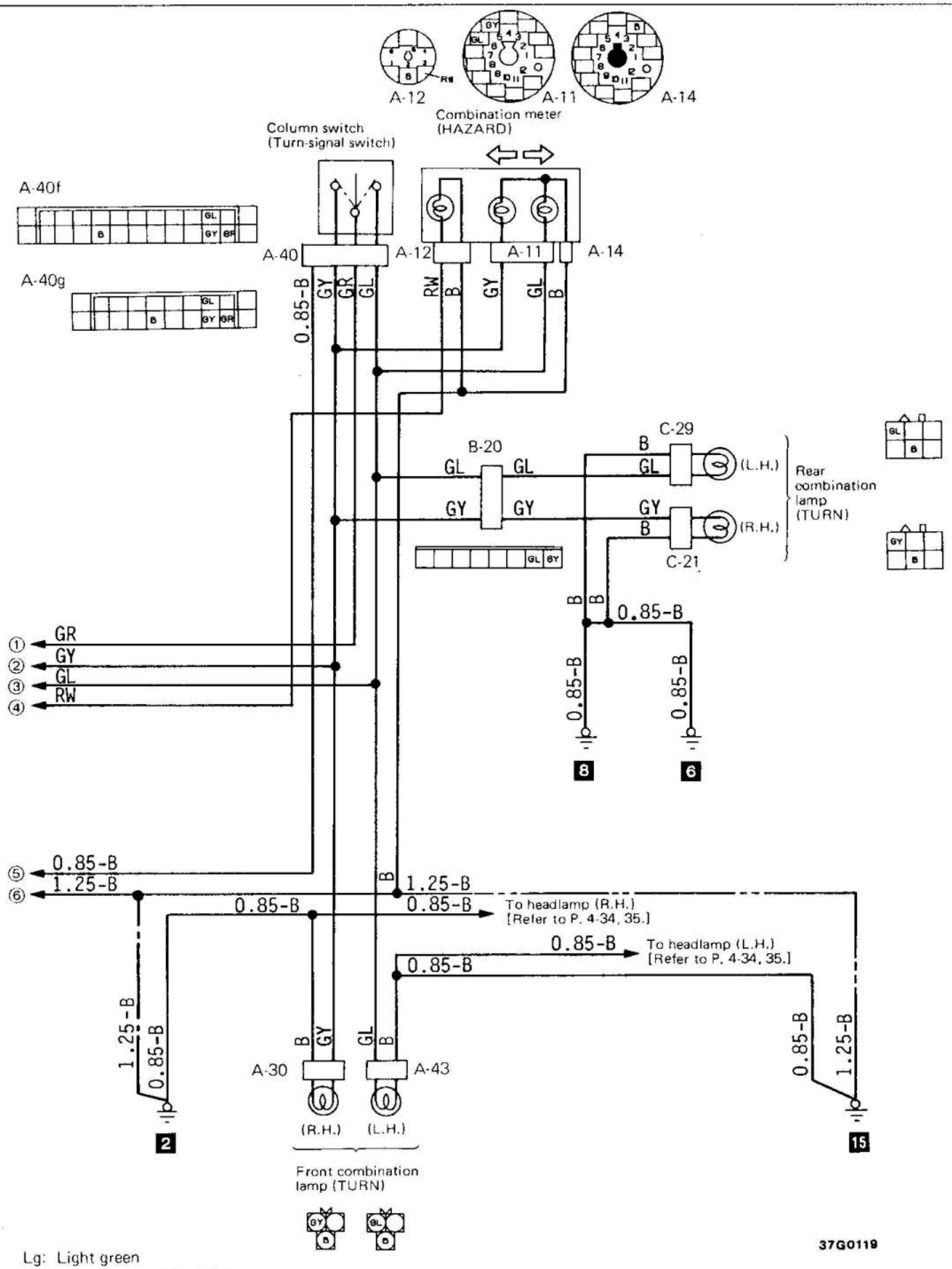
16-1 Vehicles for Europe



Remarks
(1) For details concerning the earth point (example: 12) refer to P. 3-11.
(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (on left). (Thus, ① on the right page is connected to ① on the left page.)
(3) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(4) The chain line (— · —) is applicable to R.H. drive vehicles.
(5) The two-point chain line (— · · —) is applicable to L.H. drive vehicles.

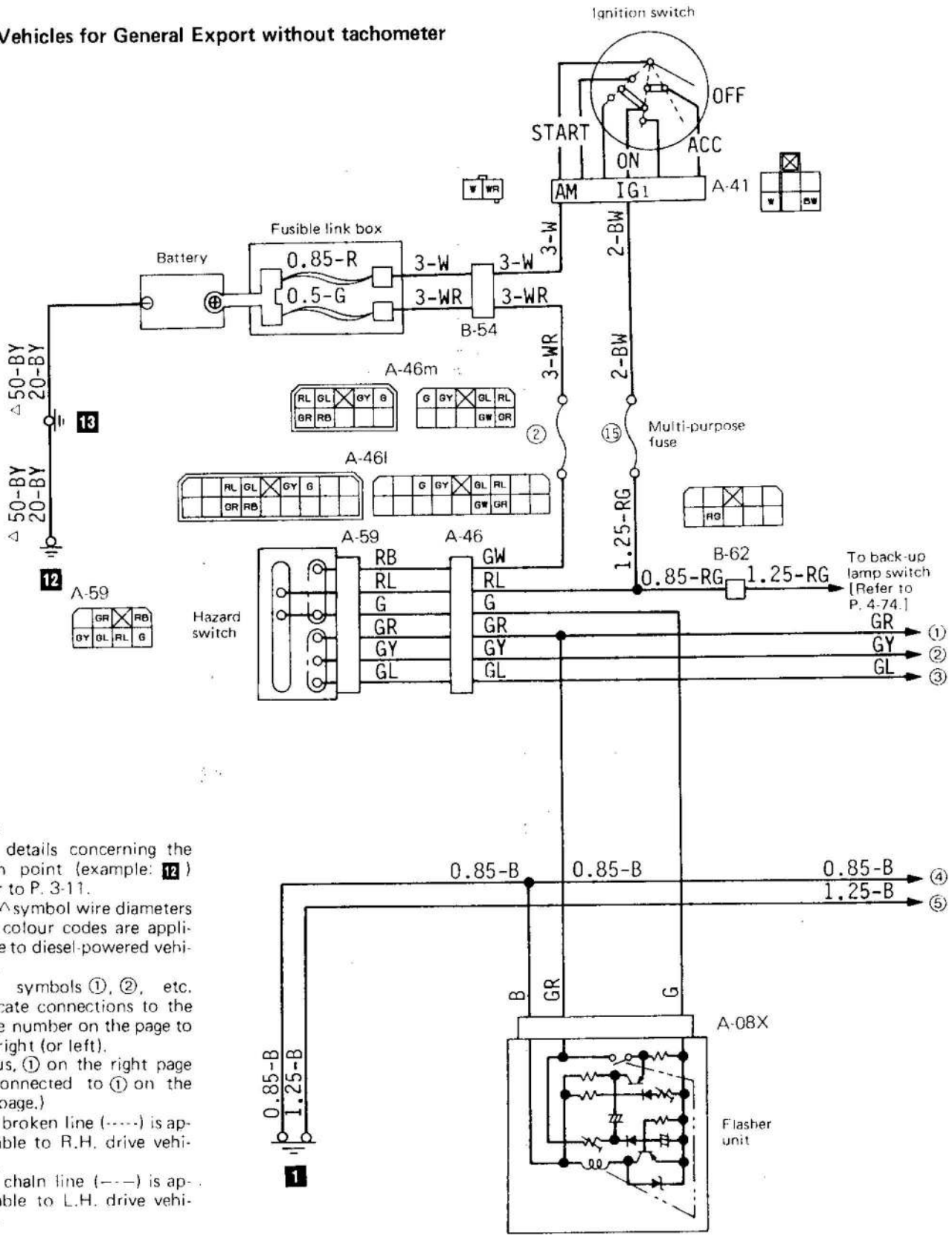
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	



Lg: Light green
Y: Yellow W: White

16-2 Vehicles for General Export without tachometer



Remarks

(1) For details concerning the earth point (example: 12) refer to P. 3-11.

(2) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.

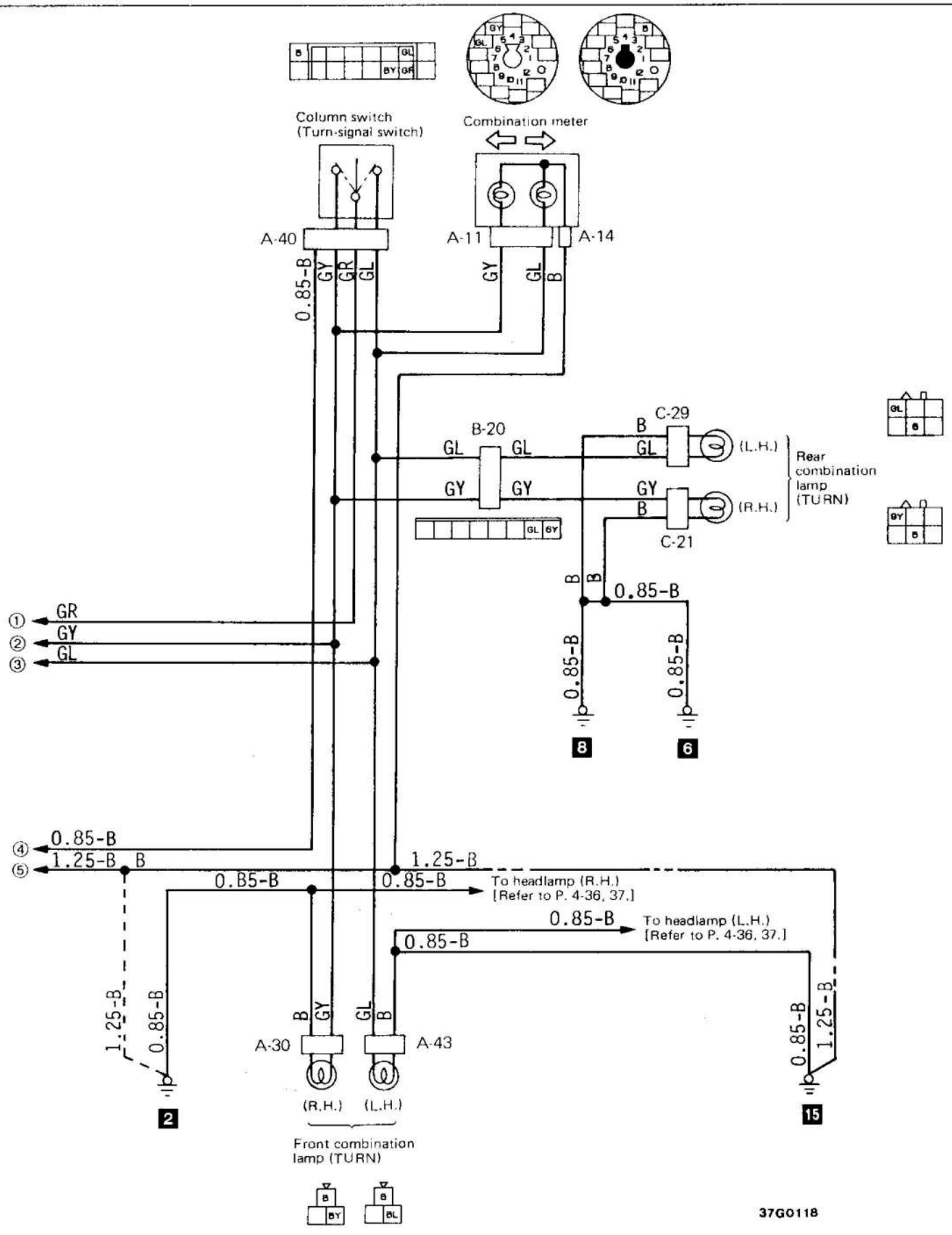
(3) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)

(4) The broken line (- - - -) is applicable to R.H. drive vehicles.

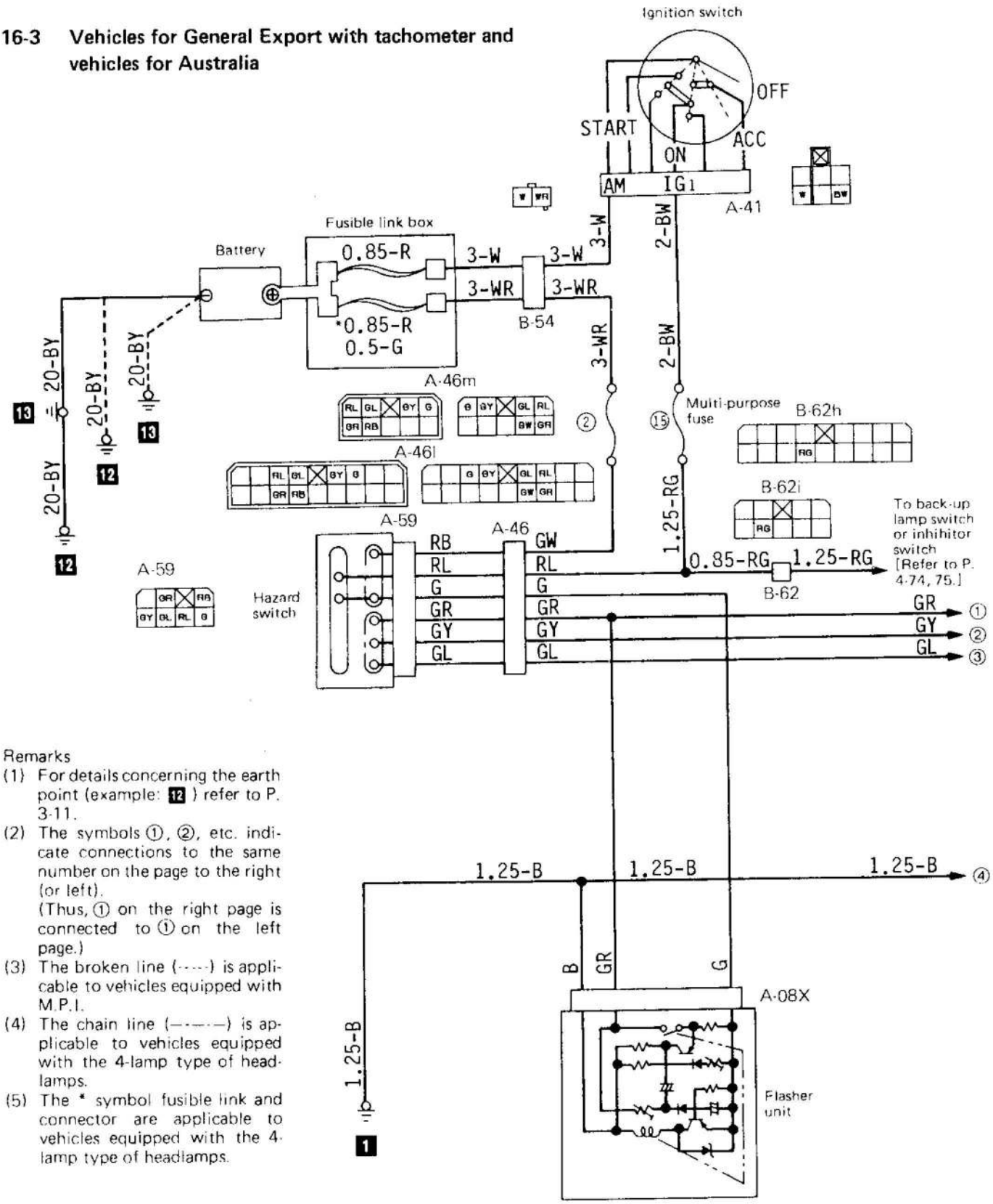
(5) The chain line (— · —) is applicable to L.H. drive vehicles.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			


Column switch
(Turn-signal switch)
Combination meter
A-40
A-11
A-14
0.85-B
GY
GR
GL
B
B-20
C-29
(L.H.)
(R.H.)
Rear combination lamp (TURN)
C-21
0.85-B
GR
GY
GL
1.25-B
To headlamp (R.H.) [Refer to P. 4-36, 37.]
To headlamp (L.H.) [Refer to P. 4-36, 37.]
A-30
A-43
Front combination lamp (TURN)
37G0118

16-3 Vehicles for General Export with tachometer and vehicles for Australia



Remarks

(1) For details concerning the earth point (example: 12) refer to P. 3-11.

(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)

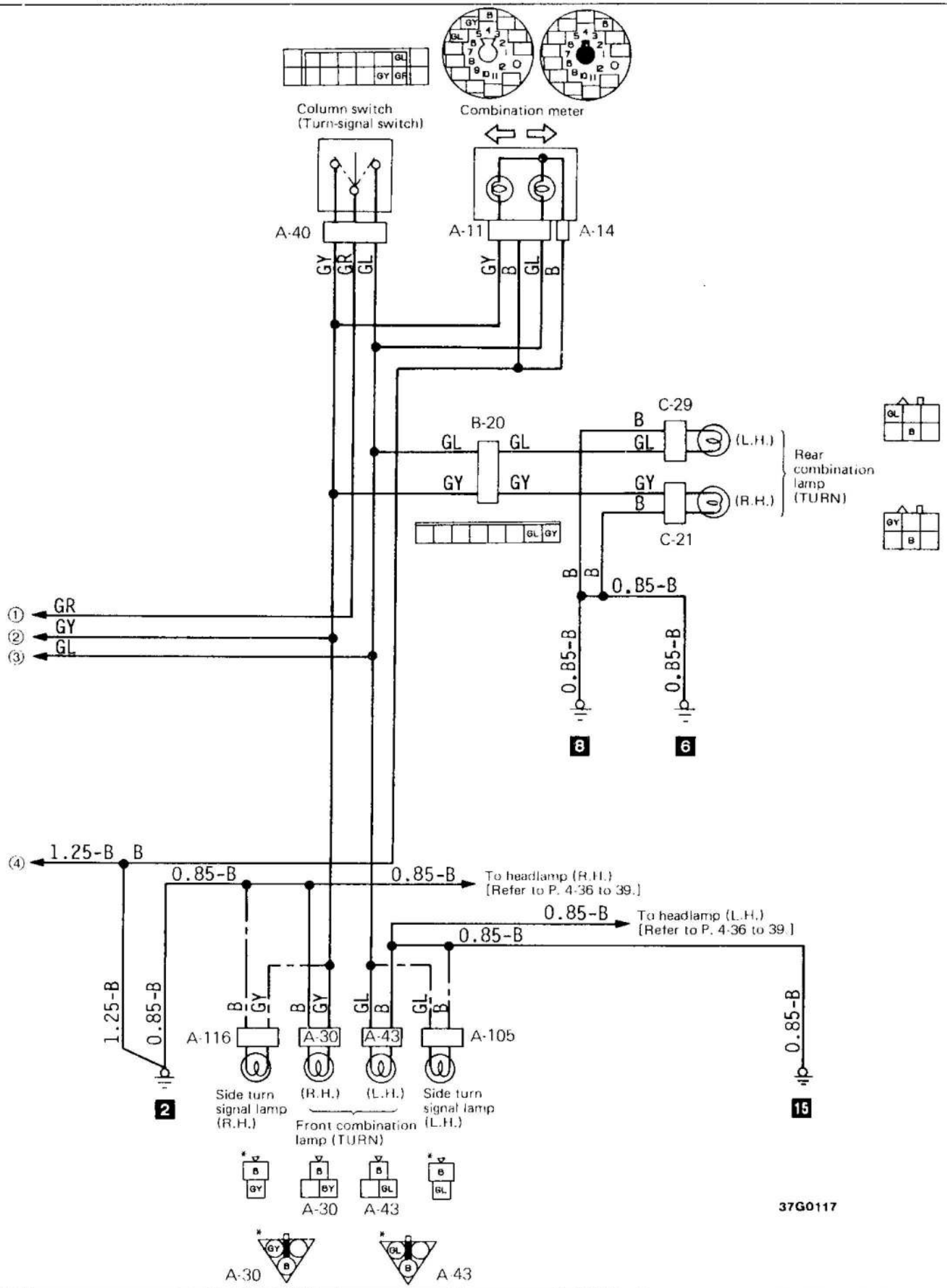
(3) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.

(4) The chain line (— · — · —) is applicable to vehicles equipped with the 4-lamp type of headlamps.

(5) The * symbol fusible link and connector are applicable to vehicles equipped with the 4-lamp type of headlamps.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			


Column switch
(Turn-signal switch)
Combination meter
A-40
A-11
A-14
GY
GR
GL
B
C-29
B-20
C-21
(L.H.)
(R.H.)
Rear combination lamp (TURN)
① GR
② GY
③ GL
④ 1.25-B B
0.85-B
0.B5-B
To headlamp (R.H.) [Refer to P. 4-36 to 39.]
To headlamp (L.H.) [Refer to P. 4-36 to 39.]
A-116
A-30
A-43
A-105
Side turn signal lamp (R.H.)
Front combination lamp (TURN)
Side turn signal lamp (L.H.)
2
8
6
15
37G0117

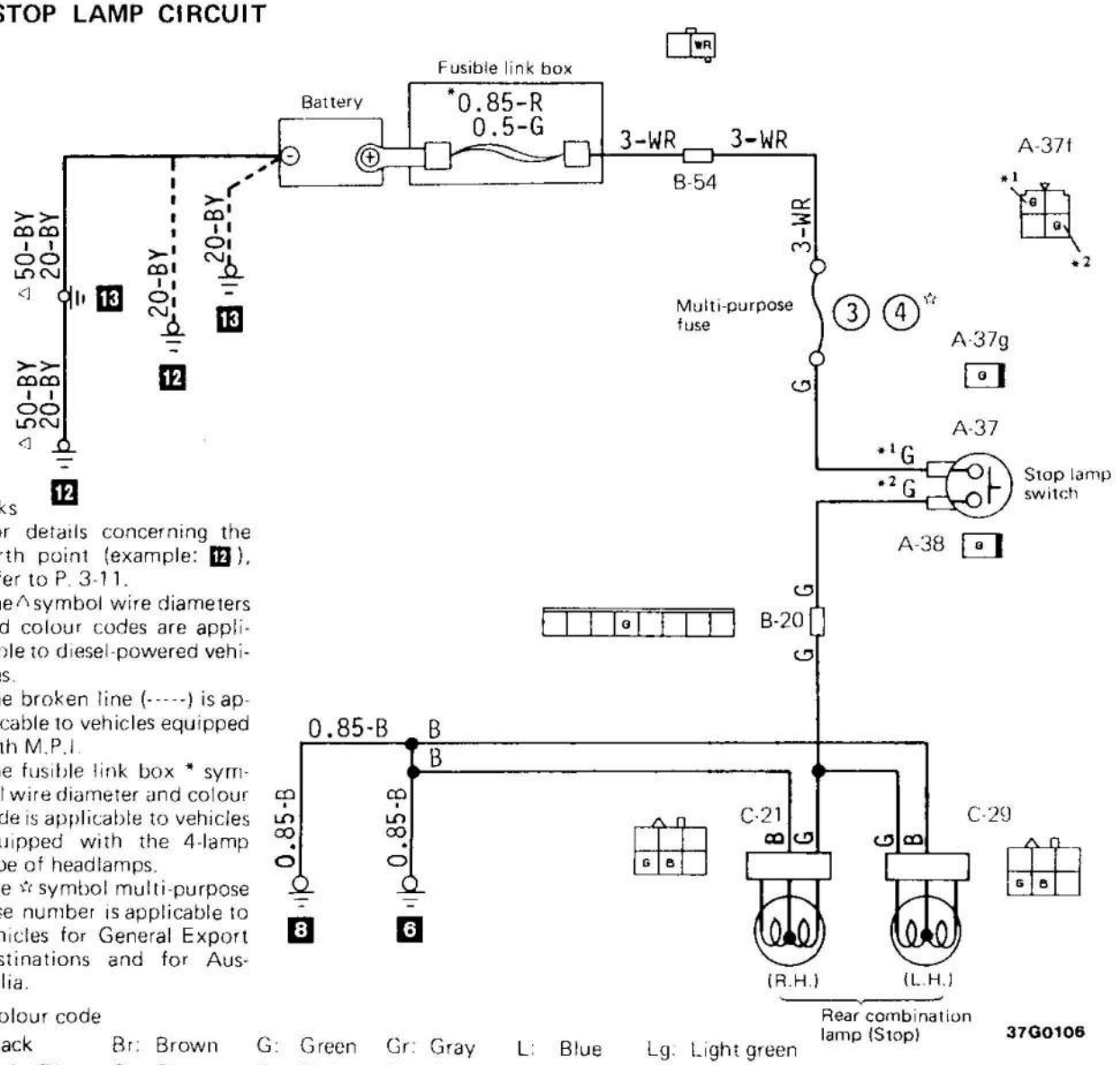
TROUBLESHOOTING

16 TURN SIGNAL LAMP AND HAZARD LAMP CIRCUIT [Refer to P. 4-66 to 71]

Inspection items / Symptom	Fusible link		Fuse No. 2 (for hazard)	Fuse (for turn-signal)		Turn signal switch (unified with column switch)	Hazard switch	Flasher unit	Indicator bulb	Printed circuit board	Bulb	Wiring harness and connector connection	Earth
	0.5-G	0.85-R*		Fuse No.15**	Fuse No.16								
Both the turn signal lamp and the hazard lamp fail to flash together (Left and right)	⑥		①	②		④	③	⑤				⑦	⑧
Either the left or the right turn signal lamp will not flash (the hazard lamp also will not flash)											①	②	③
Either the left or the right turn signal lamp will not flash (the hazard lamp will flash)						①		④			②	③	
Either of the turn signal lamps fails to operate or flash irregularly				①		③		⑤			②	④	
The hazard lamp fails to operate	③		①				④	⑤				②	
The hazard indicator lamp or the turn signal indicator lamp does not illuminate									①	②		③	④

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles equipped with the 4-lamp type of headlamps.
(3) The ** symbol indicates vehicles for General Export and Australia.

17 STOP LAMP CIRCUIT



Remarks
(1) For details concerning the earth point (example: 12), refer to P. 3-11.
(2) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(3) The broken line (-----) is applicable to vehicles equipped with M.P.I.
(4) The fusible link box * symbol wire diameter and colour code is applicable to vehicles equipped with the 4-lamp type of headlamps.
(5) The ☆ symbol multi-purpose fuse number is applicable to vehicles for General Export destinations and for Australia.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

TROUBLESHOOTING

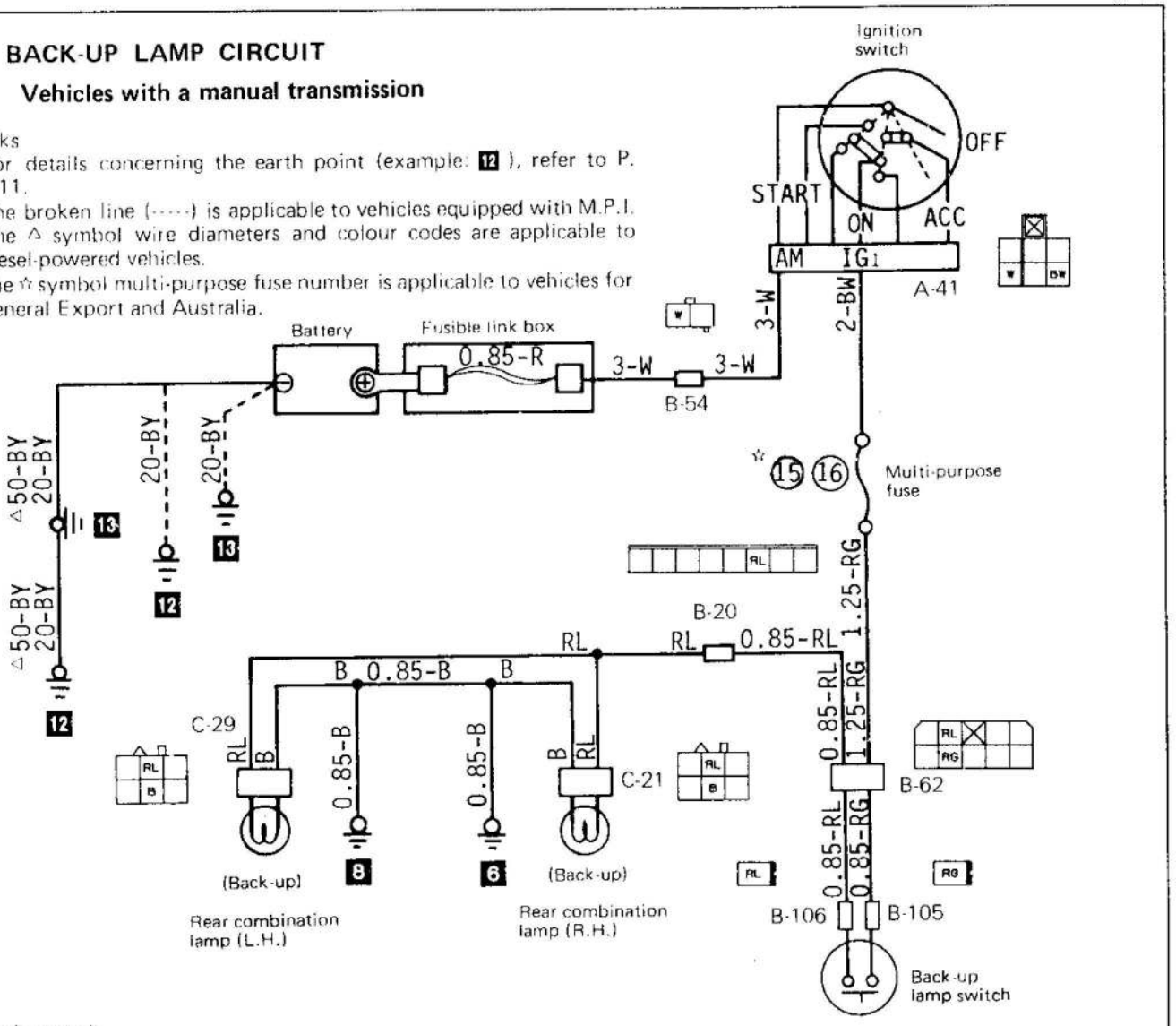
Inspection items / Symptom	Fuse No. 3 or *4	Stop lamp switch	Bulb	Wiring harness and connector connection	Earth	Other inspection items
The stop lamp fails to illuminate	①	②	③	④	⑤	
The stop lamp does not go off		①		②		• Installation parts of the stop lamp switch
The stop lamp on one side does not illuminate			①	②		

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

18 BACK-UP LAMP CIRCUIT

18-1 Vehicles with a manual transmission

Remarks
(1) For details concerning the earth point (example: 12), refer to P. 3-11.
(2) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(3) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(4) The ☆ symbol multi-purpose fuse number is applicable to vehicles for General Export and Australia.



Wire colour code

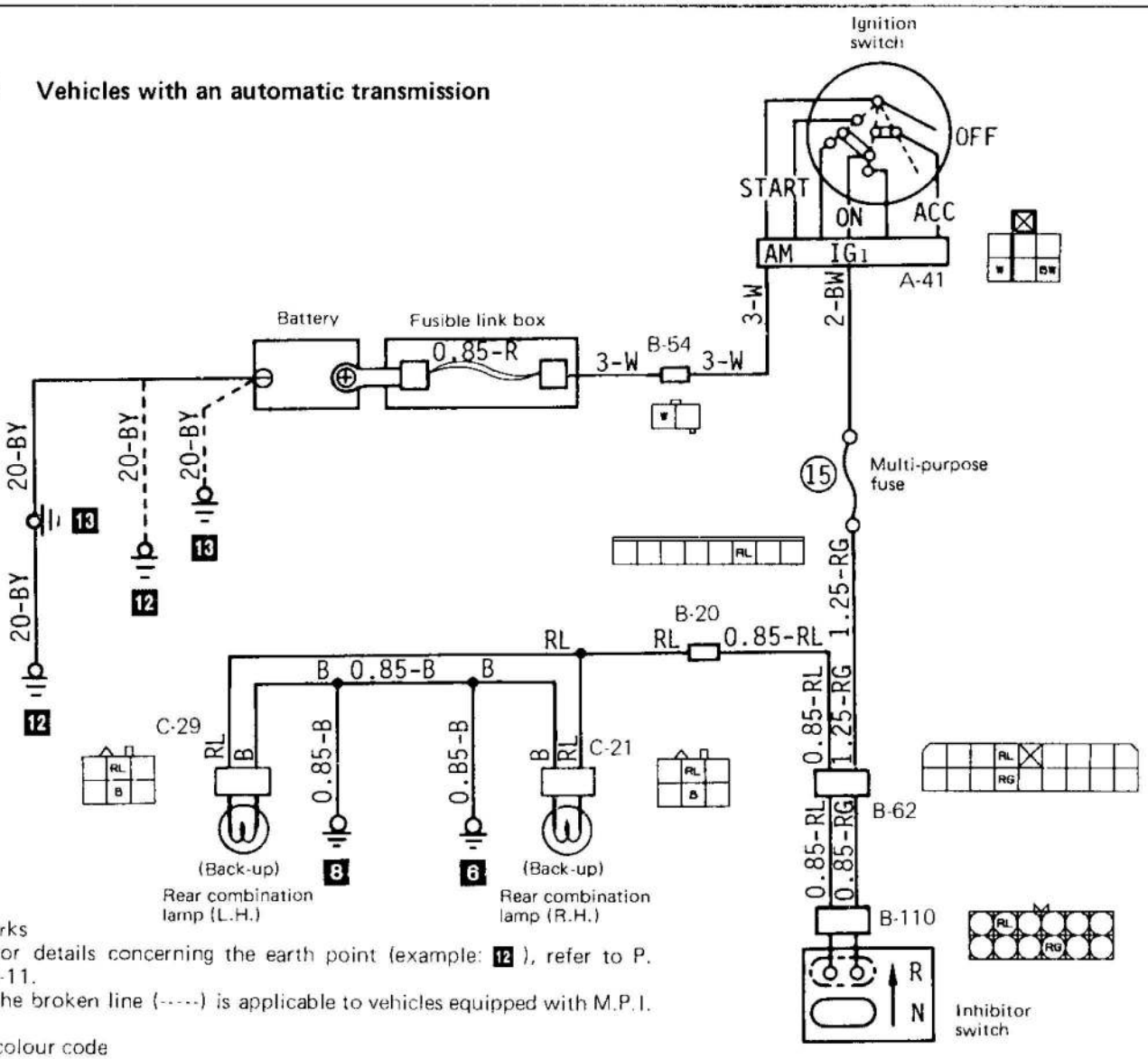
B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White	37G0105		

TROUBLESHOOTING

Symptom \ Inspection items	Fuse No. *15 or 16	Back-up lamp switch	Bulb	Wiring harness and connector connection	Earth
Back-up lamps do not go on	①	②	③	④	⑤
Only one lamp illuminates			①	②	

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

18-2 Vehicles with an automatic transmission



Remarks
(1) For details concerning the earth point (example: 12), refer to P. 3-11.
(2) The broken line (-----) is applicable to vehicles equipped with M.P.I.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White	37G0104		

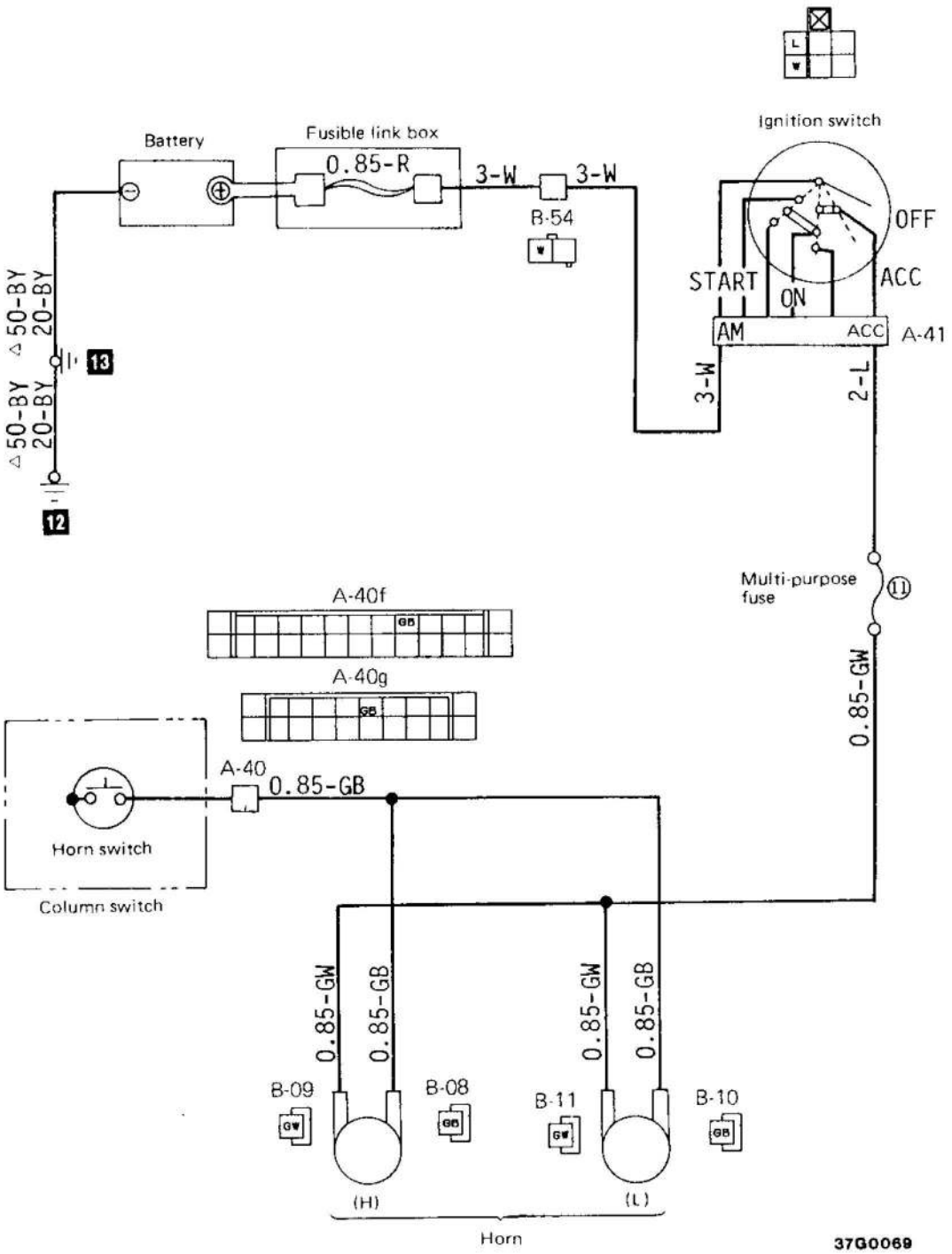
TROUBLESHOOTING

Symptom \ Inspection items	Fuse No. 15	Inhibitor switch	Bulb	Wiring harness and connector connection	Earth
Back-up lamps do not go on	①	②	③	④	⑤
Only one lamp illuminates			①	②	

NOTE
Number in circle indicates inspection sequence.

19 HORN CIRCUIT

19-1 Vehicles for Europe

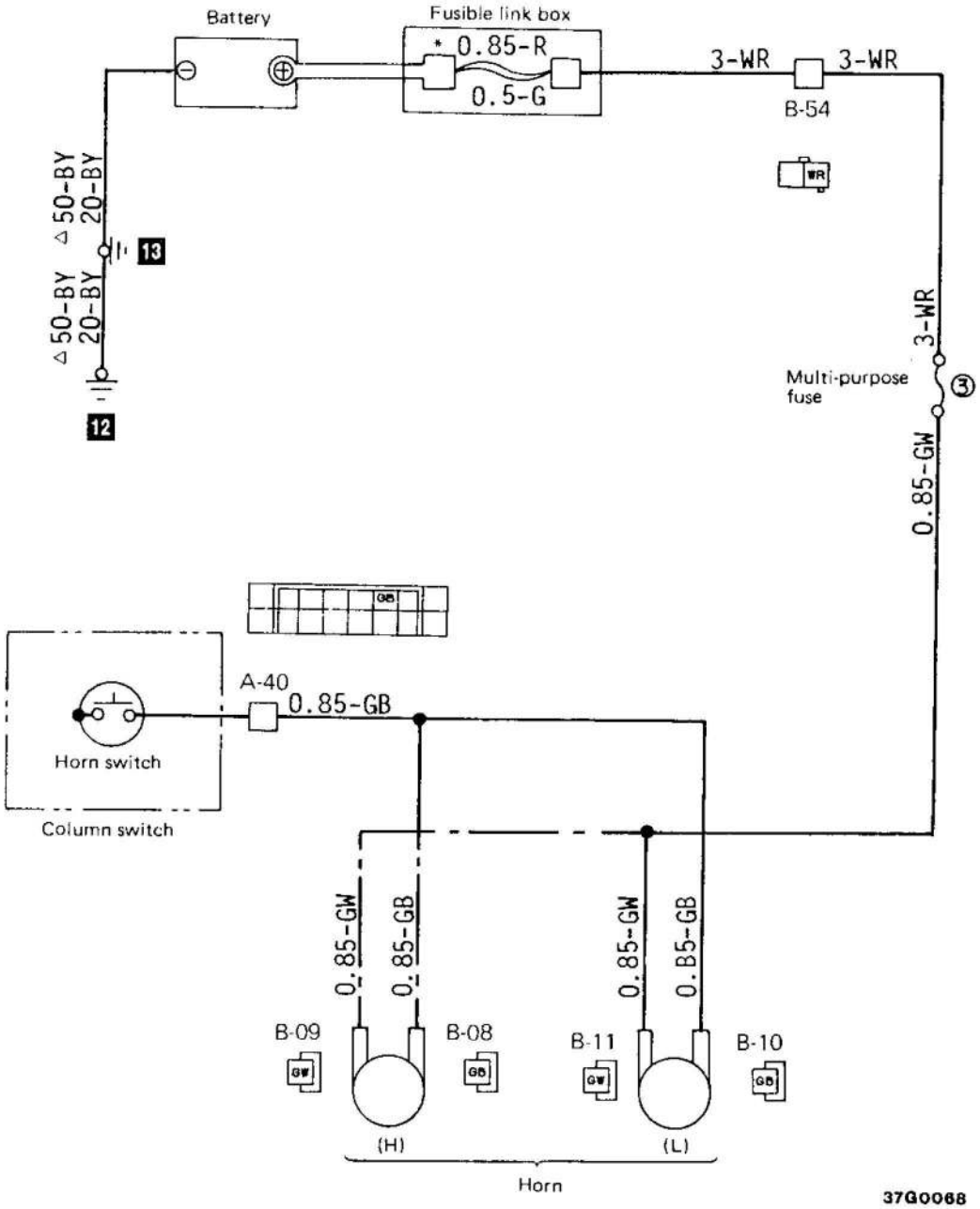


Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Lt:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				

19-2 Vehicles for General Export and Australia



Remarks
(1) The chain line (—·—·—) is applicable to vehicles equipped with the dual horn.
(2) The fusible links * symbol wire diameters and colour codes are applicable to vehicles for Australia.
(3) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(4) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

TROUBLESHOOTING

19 HORN CIRCUIT [Refer to P. 4-76, 77]

Inspection items / Symptom	Multi-purpose fuse		Horn switch	Horn	Wiring harness and connector connection
	Fuse No. 3*	Fuse No. 11			
Horn does not sound	①		③	④	②
Horn will not stop sounding			①		②

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

20 METER CIRCUIT

TACHOMETER [Refer to P. 4-83, 84, 85, 89]

Inspection items / Symptom	Multi-purpose fuse		Tachometer filter	Revolution pick-up	Tachometer	Print circuit board	Wiring harness and connector connection	Revolution pick-up**
	Fuse No. 15*	Fuse No. 16						
The tachometer fails to operate	①		②	③	④	⑤	⑥	⑦
The tachometer pointer is faulty					①			

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.
(3) The ** symbol indicates diesel-powered vehicles.

FUEL GAUGE [Refer to P. 4-83 to 89]

Inspection items / Symptom	Multi-purpose fuse		Fuel gauge unit	Fuel gauge	Print circuit board	Wiring harness and connector connection	Earth
	Fuse No. 15*	Fuse No. 16					
The fuel gauge fails to operate	①		②	③	④	⑤	⑥
The fuel gauge pointer is faulty			①	②			

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

WATER TEMPERATURE GAUGE [Refer to P. 4-83 to 89]

Inspection items / Symptom	Multi-purpose fuse: Fuse No. 15*	Multi-purpose fuse: Fuse No. 16	Water temperature gauge unit	Water temperature gauge	Voltage limitter (unified with fuel gauge)	Print circuit board	Wiring harness and connector connection	Earth
The water temperature gauge fails to operate	①		②	③	④	⑤	⑥	⑦
The water temperature gauge pointer is faulty			①	②	③			

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

OIL PRESSURE WARNING INDICATOR LAMP [Refer to P. 4-83 to 89]

Inspection items / Symptom	Multi-purpose fuse: Fuse No. 15*	Multi-purpose fuse: Fuse No. 16	Oil pressure switch	Indicator bulb	Print circuit board	Wiring harness and connector connection	Earth	Other inspection items
When the ignition key is at ON (without starting the engine) the indicator fails to illuminate	①		②	③	④	⑤	⑥	
Starting the engine does not make the indicator turn off			①			②		• Oil circulating system

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

4WD INDICATOR LAMP [Refer to P. 4-84, 86, 87, 89]

Inspection items / Symptom	Multi-purpose fuse: Fuse No. 15*	Multi-purpose fuse: Fuse No. 16	4WD indicator switch	Indicator bulb	Print circuit board	Wiring harness and connector connection	Earth
The indicator lamp does not illuminate	①		②	③	④	⑤	⑥
The indicator lamp does not be turned off			①			②	

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

LOW-FUEL WARNING INDICATOR LAMP [Refer to P. 4-83 to 89]

Inspection items / Symptom	Multi-purpose fuse		Fuel level sensor	Indicator bulb	Printed circuit board	Wiring harness and connector connection	Earth
	Fuse No. 15*	Fuse No. 16					
Indicator doesn't illuminate when level is at or below the specified amount	①		②	③	④	⑤	⑥
Indicator remains illuminated even though there is more than the specified amount of fuel			①			②	

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

FUEL FILTER WATER LEVEL WARNING INDICATOR LAMP [Refer to P. 4-85, 88]

Inspection items / Symptom	Multi-purpose fuse		Water level switch	Warning indicator bulb	Print circuit board	Wiring harness and connector connection	Earth
	Fuse No. 15*	Fuse No. 16					
The warning indicator lamp does not illuminate	①		②	③	④	⑤	⑥
The warning indicator lamp does not be turned off			①			②	

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export.

BRAKE WARNING LAMP [Refer to P. 4-83 to 88]

Inspection items / Symptom	Multi-purpose fuse		Parking brake switch	Brake oil level switch**	Warning bulb	Print circuit board	Wiring harness and connector connection	Earth
	Fuse No. 15*	Fuse No. 16**						
The warning lamp does not illuminate when the parking brake lever is pulled	①		②		③	④	⑤	⑥
The warning lamp does not be turned off when the parking brake lever is returned (released).			①				②	
**The warning lamp does not illuminate when the brake oil level is at or below the specified level	①			②	③	④	⑤	⑥
**The warning lamp does not be turned off when the brake oil level is at or above the specified level				①			②	

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export.
(3) The ** symbol indicates vehicles for Europe.

BRAKE WARNING LAMP [Refer to P. 4-89]

Inspection items / Symptom	Fuse No. 15	Brake fluid level switch	Warning bulb	Print circuit board	Wiring harness and connector connection	Earth
The warning lamp does not illuminate when the ignition key is turned to the "START" position			①	②	④	③
The warning lamp does not illuminate when the brake oil level is at or below the specified level	①	④	②	③	⑥	⑤
The warning lamp does not be turned off when the brake oil level is at or above the specified level		①			②	

NOTE
Number in circle indicates inspection sequence.

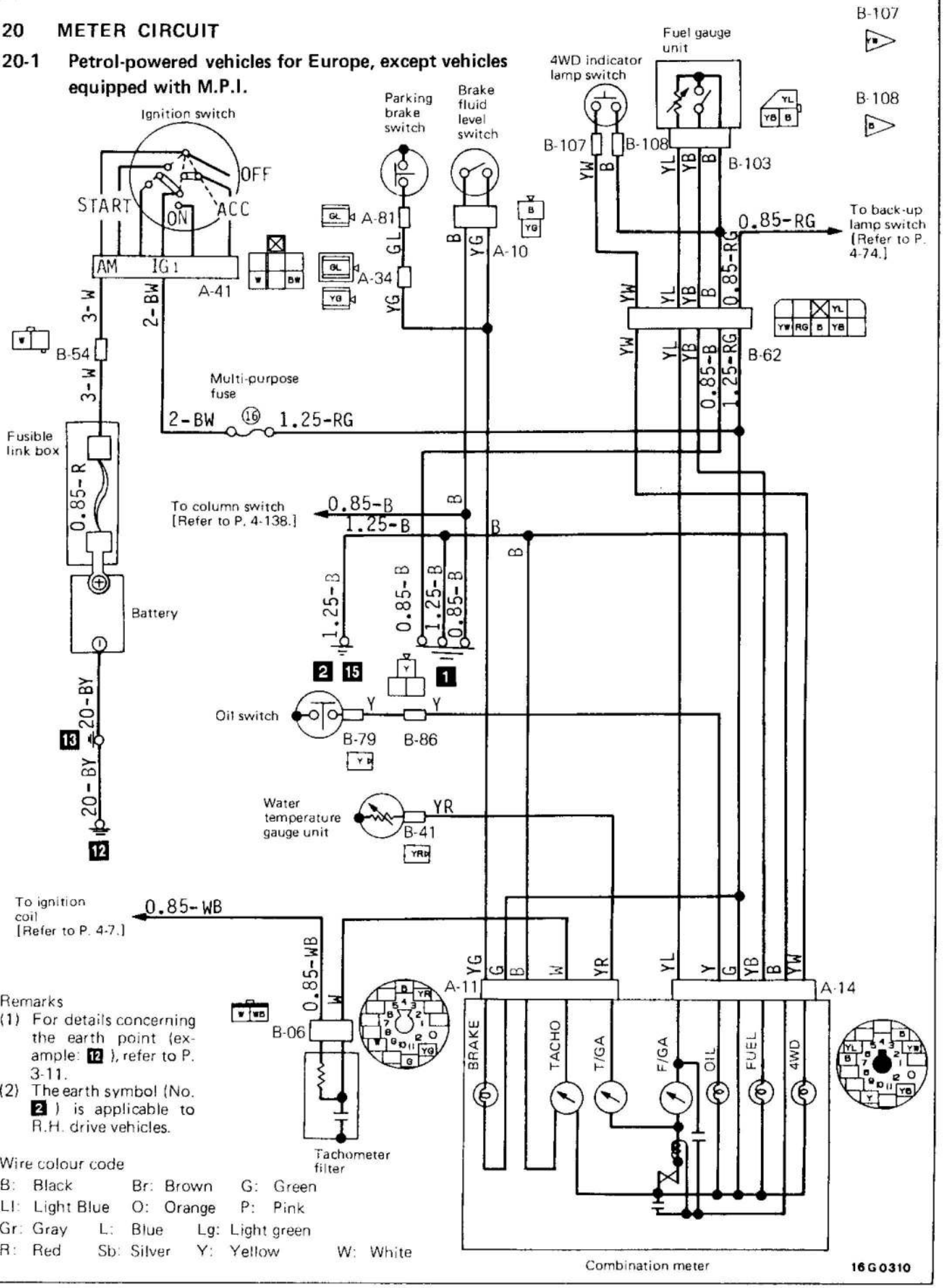
PARKING BRAKE INDICATOR LAMP [Refer to P. 4-89]

Symptom \ Inspection items	Fuse No. 15	Parking brake switch	Indicator bulb	Printed circuit board	Wiring harness and connector connection	Earth
The indicator lamp does not illuminate	①	⑤	②	③	④	⑥
The indicator lamp does not be turned off		①			②	

NOTE
Number in circle indicates inspection sequence.

20 METER CIRCUIT

20-1 Petrol-powered vehicles for Europe, except vehicles equipped with M.P.I.

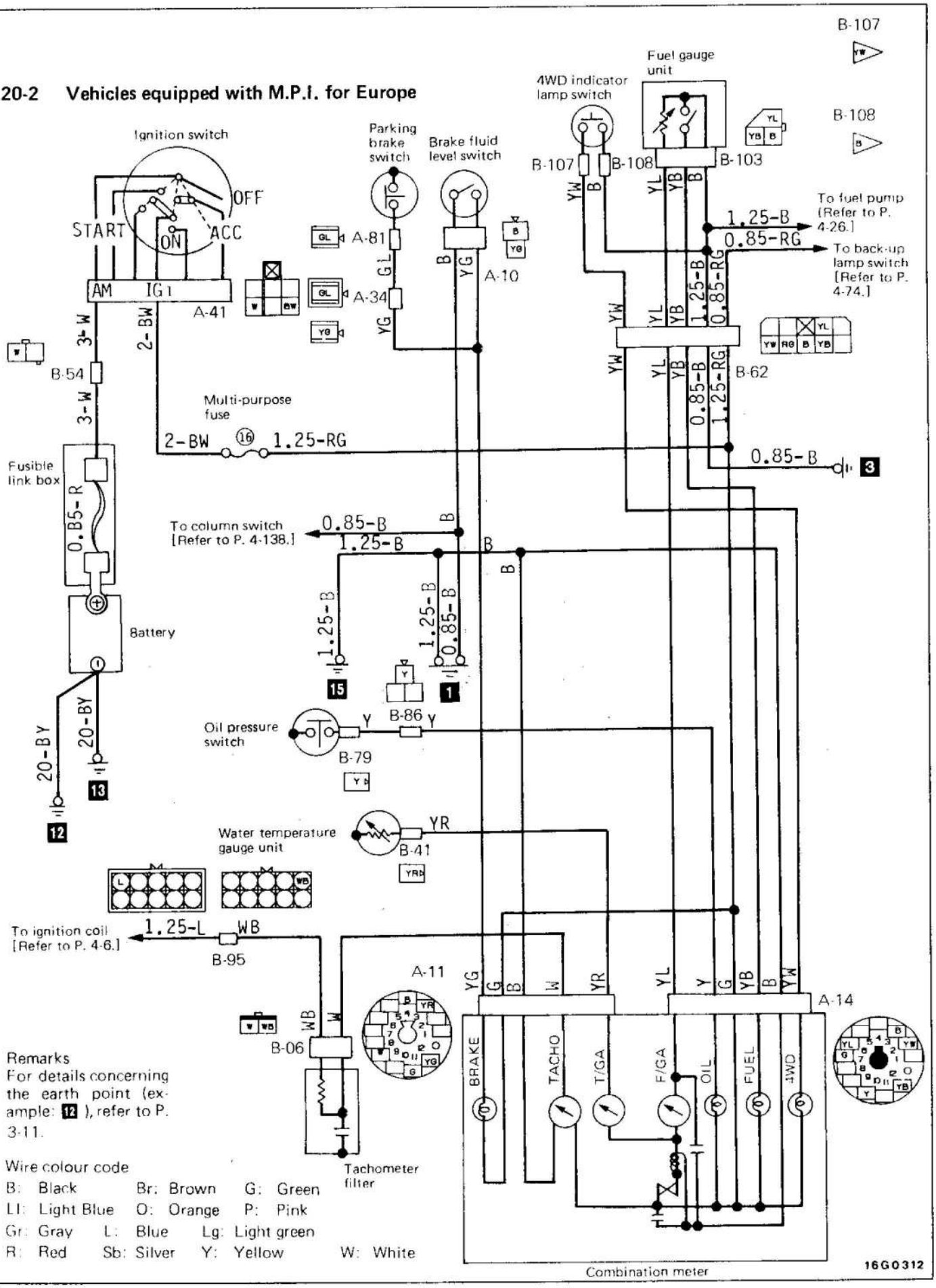


Remarks
(1) For details concerning the earth point (example: 12), refer to P. 3-11.
(2) The earth symbol (No. 2) is applicable to R.H. drive vehicles.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

20-2 Vehicles equipped with M.P.I. for Europe

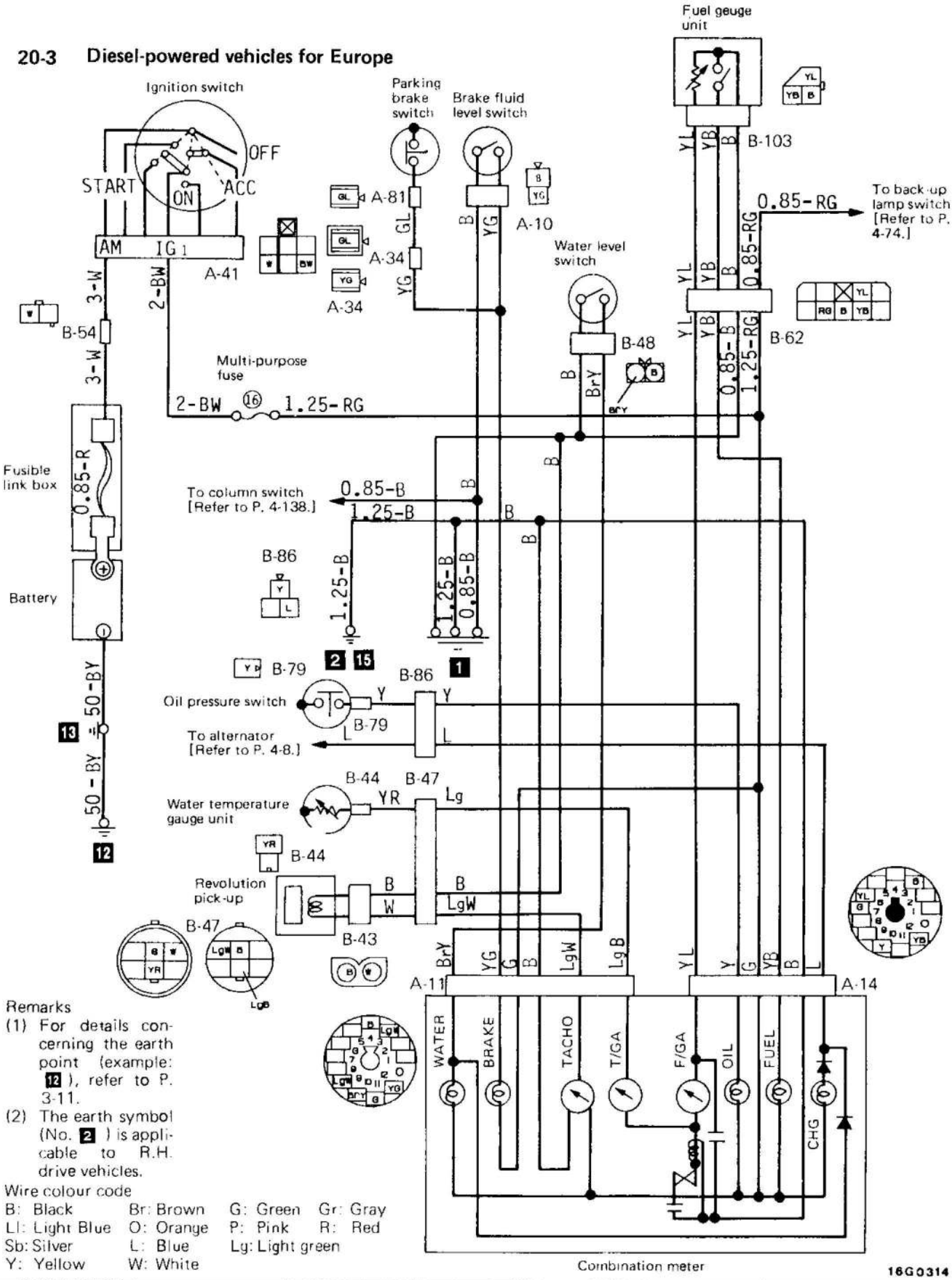


Remarks
For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green			
Ll: Light Blue	O: Orange	P: Pink			
Gr: Gray	L: Blue	Lg: Light green			
R: Red	Sb: Silver	Y: Yellow	W: White		

20-3 Diesel-powered vehicles for Europe

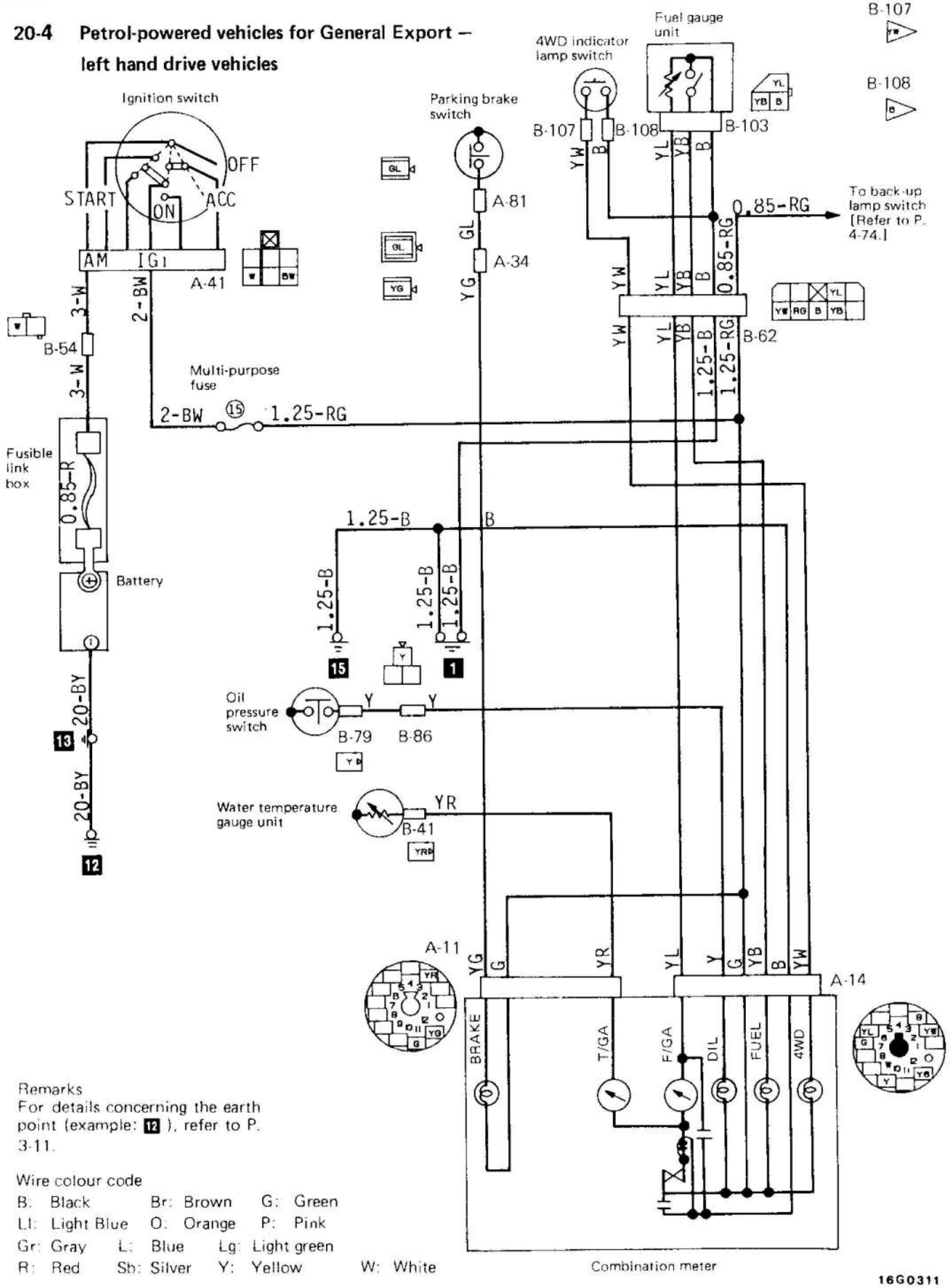


Remarks
(1) For details concerning the earth point (example: 12), refer to P. 3-11.
(2) The earth symbol (No. 2) is applicable to R.H. drive vehicles.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray
Ll: Light Blue	O: Orange	P: Pink	R: Red
Sb: Silver	L: Blue	Lg: Light green	
Y: Yellow	W: White		

20-4 Petrol-powered vehicles for General Export — left hand drive vehicles

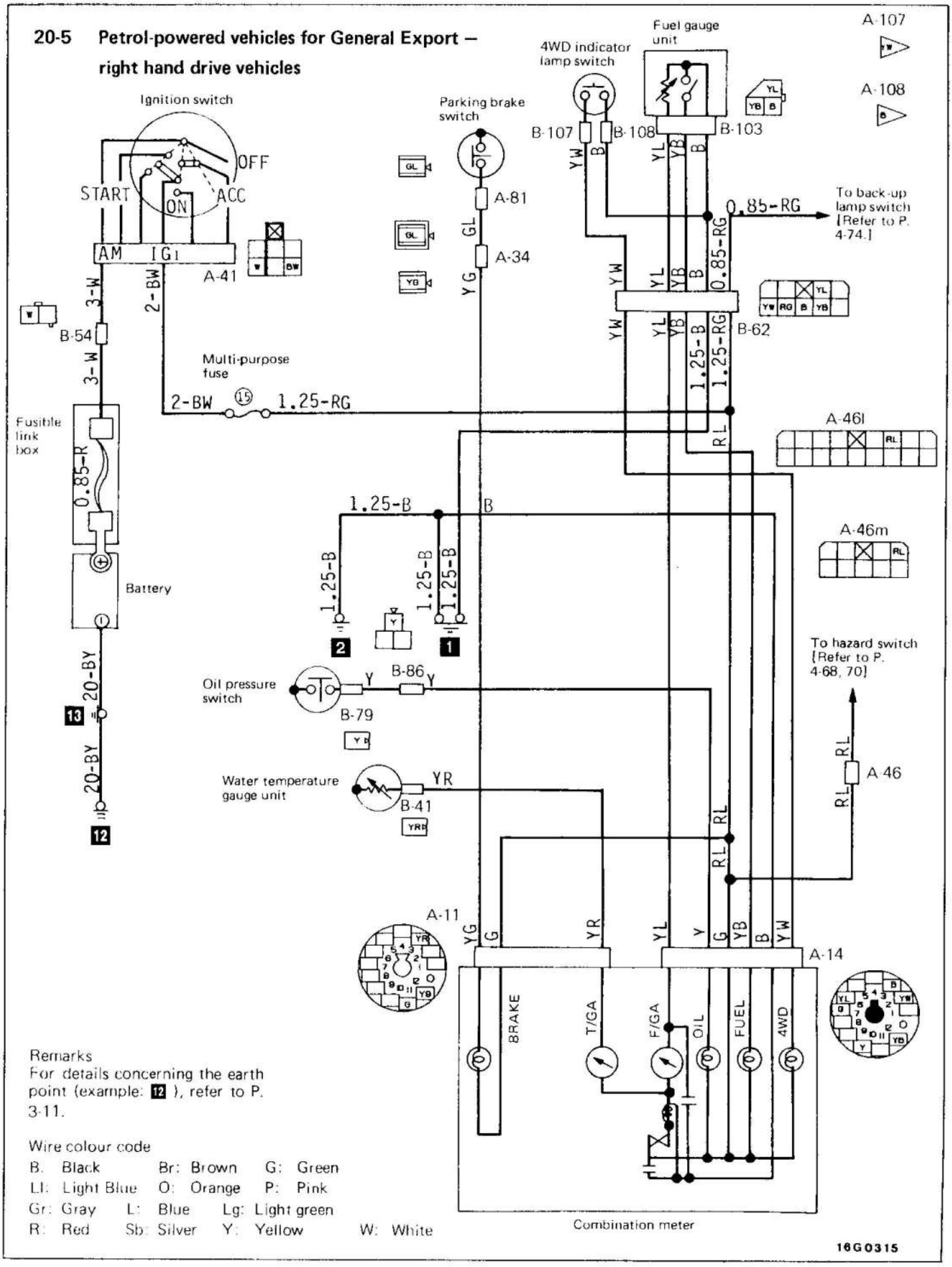


Remarks
For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

20-5 Petrol-powered vehicles for General Export — right hand drive vehicles



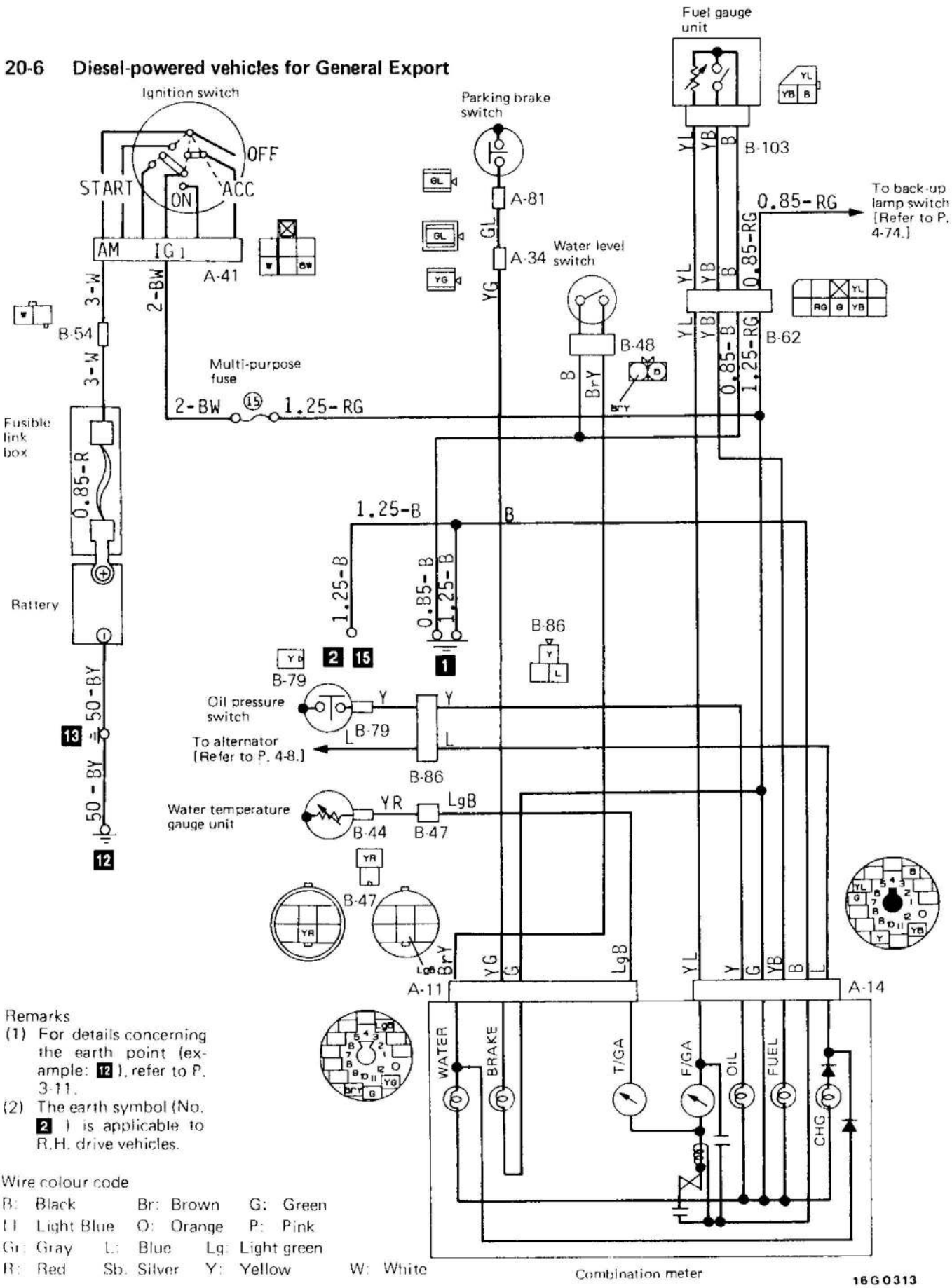
Remarks
For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

16G0315

20-6 Diesel-powered vehicles for General Export



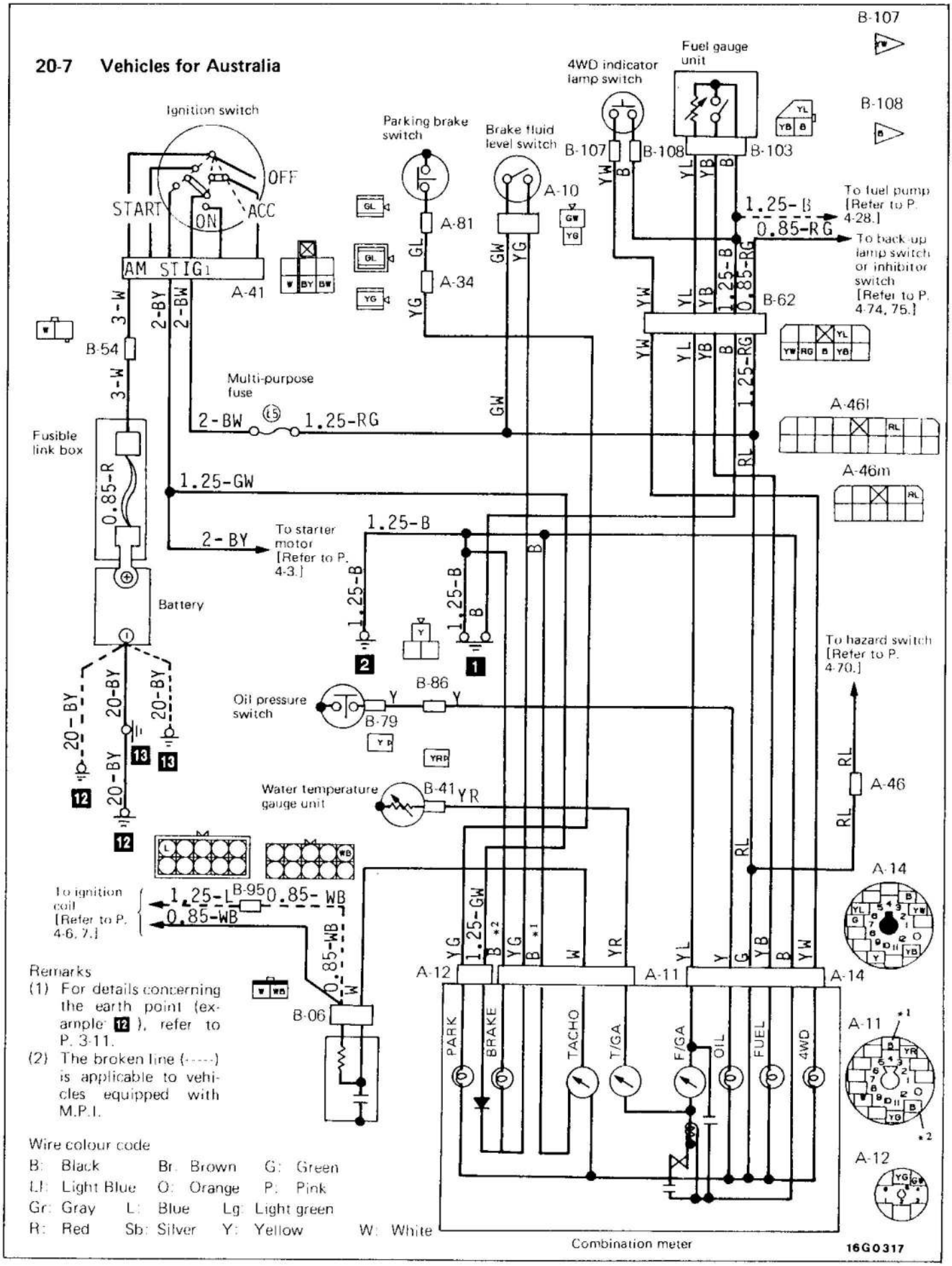
Remarks
(1) For details concerning the earth point (example: 12), refer to P. 3-11.
(2) The earth symbol (No. 2) is applicable to R.H. drive vehicles.

Wire colour code

B: Black	Br: Brown	G: Green			
Lb: Light Blue	O: Orange	P: Pink			
Gr: Gray	L: Blue	Lg: Light green			
R: Red	Sb: Silver	Y: Yellow	W: White		

16G0313

20-7 Vehicles for Australia



Remarks

(1) For details concerning the earth point (example: 12), refer to P. 3-11.

(2) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Lb:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

TROUBLESHOOTING

20-8 SEAT BELT WARNING LAMP [Refer to P. 4-91]

Inspection items / Symptom	Fusible link 0.5-G	Fuse No. 4	Fuse No. 15	Seat belt switch	Buzzer	Seat belt warning timer	Indicator bulb	Printed circuit board	Wiring harness and connector connection	Earth
The indicator lamp does not illuminate	⑤	①	②	⑥	⑦	⑧	③	④	⑨	⑩
The indicator lamp does not be turned off				①		②			③	

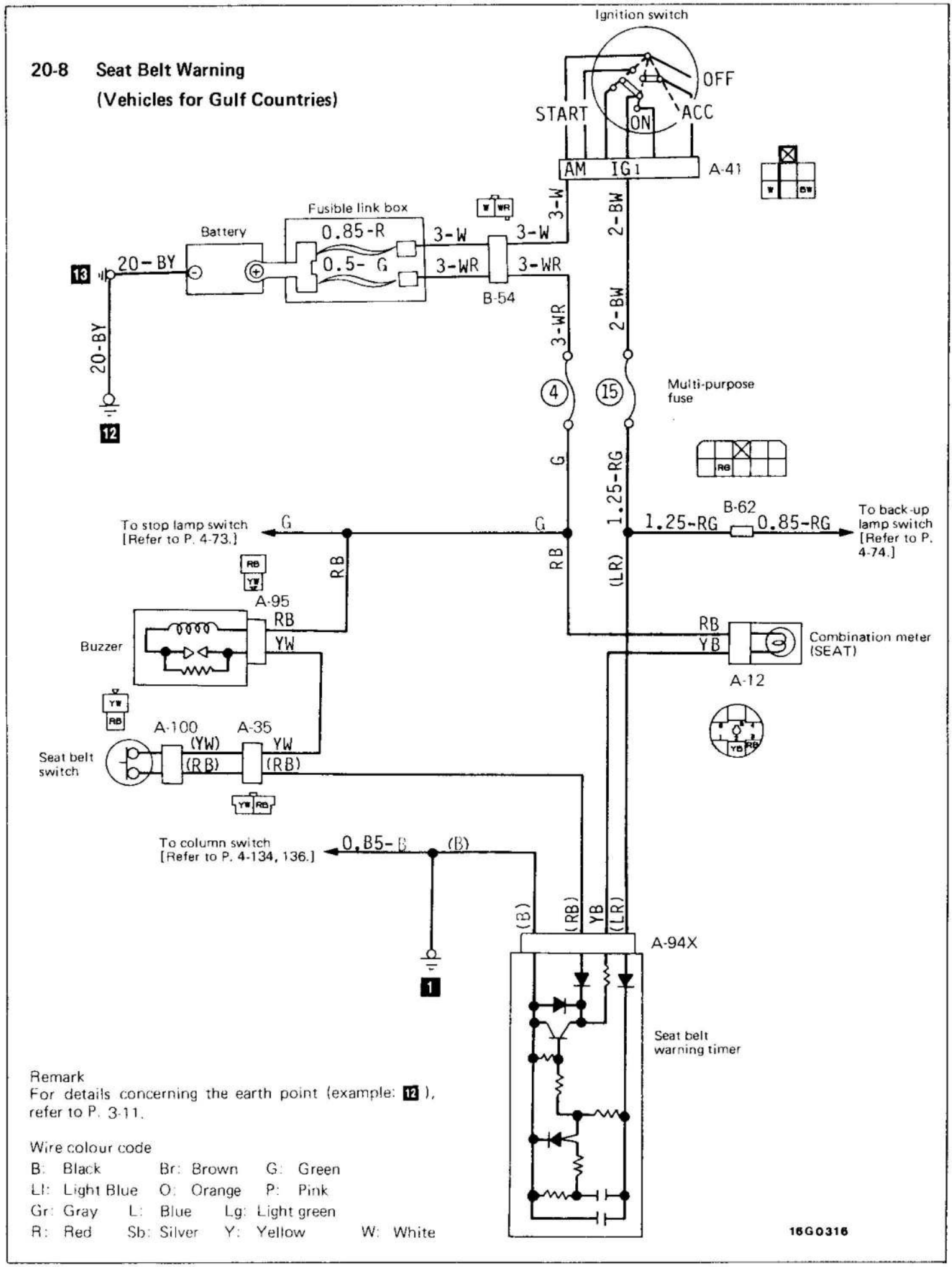
NOTE
Number in circle indicates inspection sequence.

21 POWER WINDOW CIRCUIT [Refer to P. 4-92, 93]

Inspection items / Symptom	Fusible link 0.5-G	Multi-purpose fuse		Power window switch	Power window relay	Power window motor	Wiring harness and connector connection	Earth	Other inspection items
		Fuse No. 16*	Fuse No. 17						
Power windows don't operate	④	①		⑥	⑤	⑦	②	③	• Regulator • Glass installation
One power window doesn't operate				②		③	①		• Regulator • Glass installation

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for Australia.

20-8 Seat Belt Warning (Vehicles for Gulf Countries)



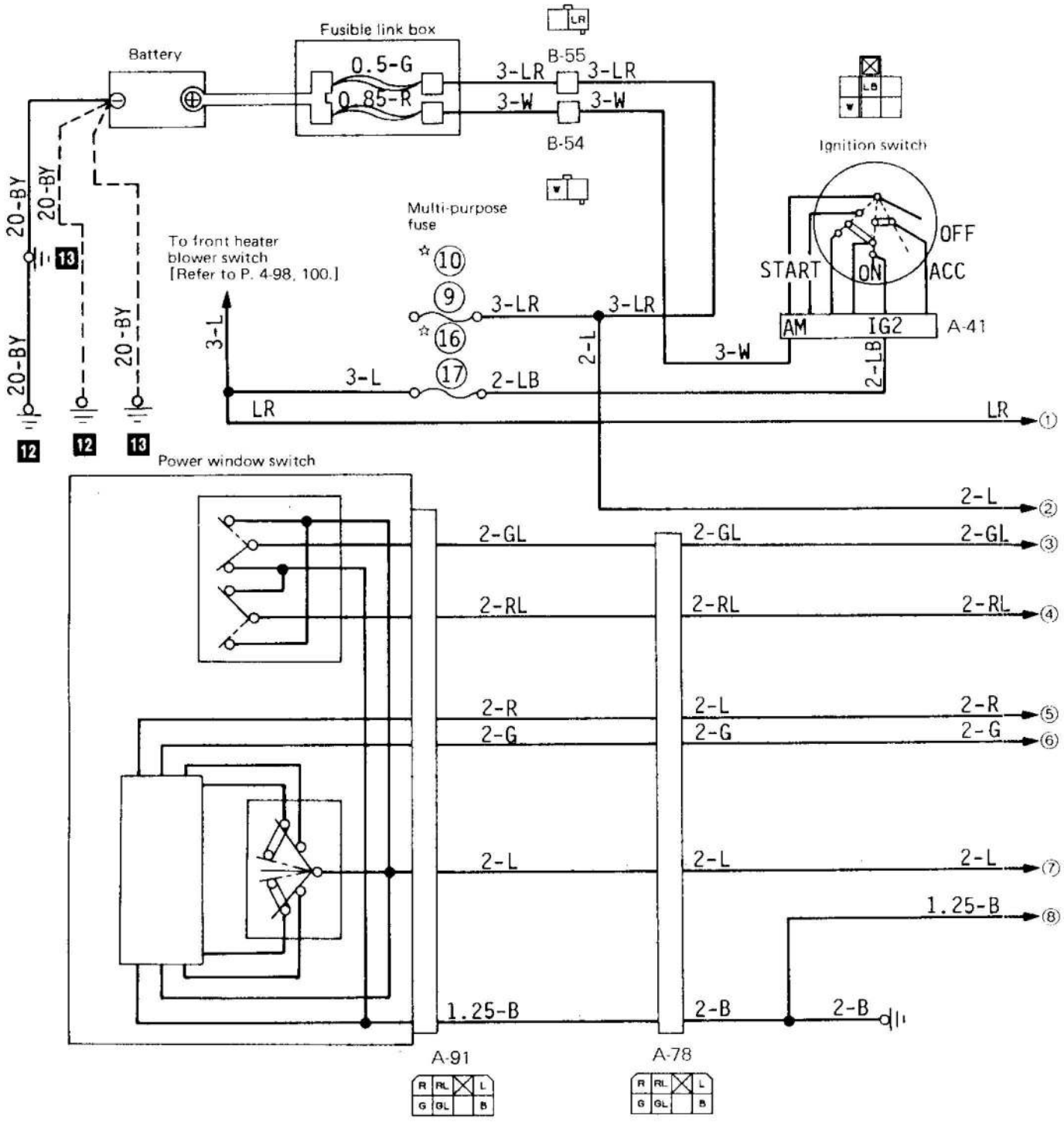
Remark
For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

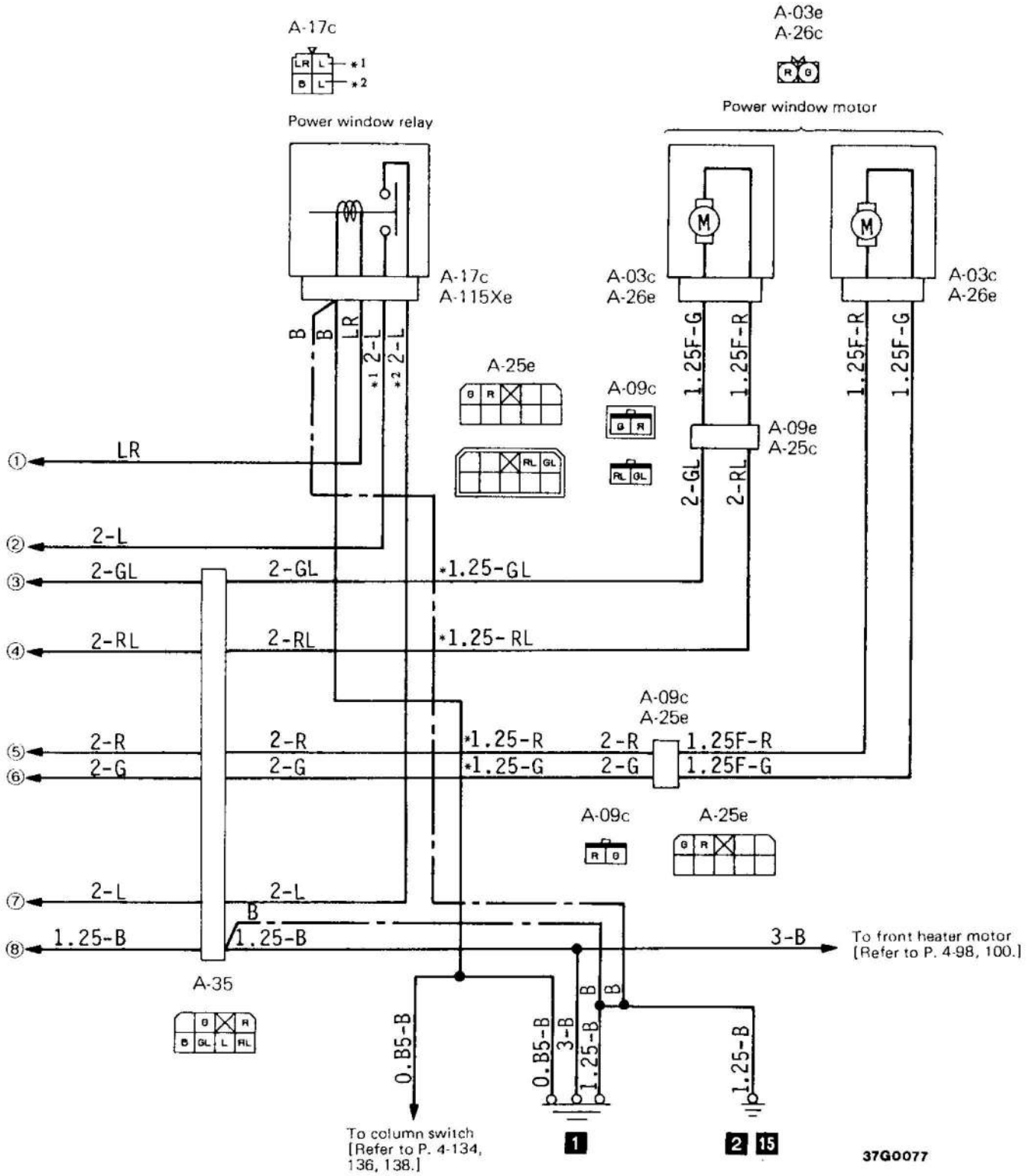
B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

16G0316

21 POWER WINDOW CIRCUIT



Remarks
(1) The broken line (-----) is applicable to vehicles equipped with M.P.I.
(2) The chain line (— · — · —) is applicable to vehicles for Australia.
(3) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to vehicles for Australia.
(4) The * symbol wire diameters and colour codes are applicable to vehicles for Australia.
(5) The earth symbol (No. 2) is applicable to vehicles for Australia.
(6) The symbols (①), (②), etc. indicate connections to the same number on the page to the right (or left). (Thus, (①) on the right page is connected to (①) on the left page.)
(7) For details concerning the earth point (example: 12), refer to P. 3-11.

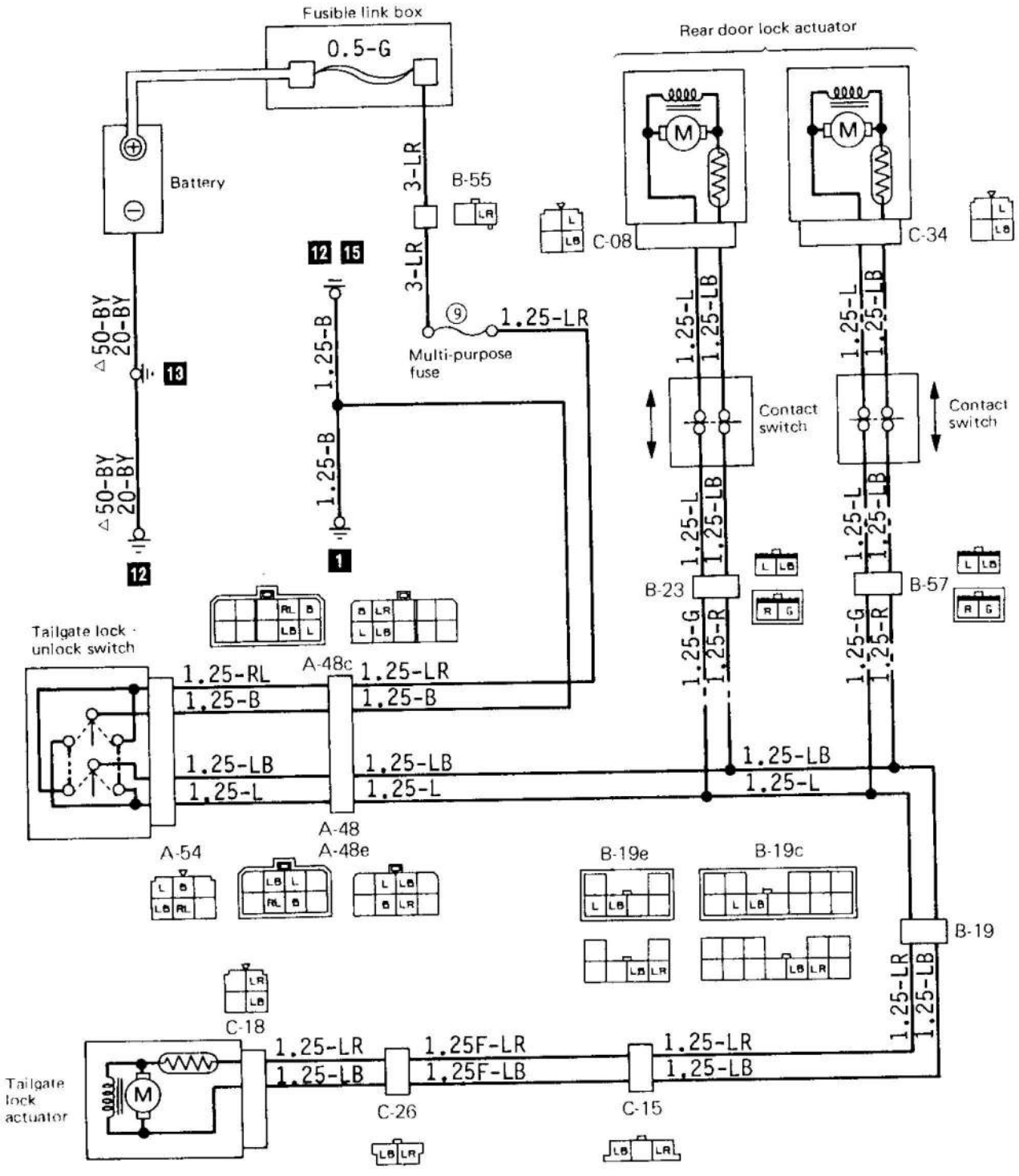


Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
LI: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

22 CENTRAL LOCKING SYSTEM CIRCUIT

22-1 Rear Door and Tailgate



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The chain line (— · —) is applicable to five-doors vehicles.
(3) For details concerning the earth point (example: 12), refer to P. 3-11.
(4) The earth symbol (No. 2) is applicable to R.H. drive vehicles.

37G0070

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

TROUBLESHOOTING

22 CENTRAL LOCKING SYSTEM CIRCUIT

22-1 Rear Door and Tailgate [Refer to P. 4-94]

Inspection items / Symptom	Fusible link 0.5-G	Fuse No. 9	Tailgate lock unlock switch	Contact switch	Actuator	Wiring harness and connector connection	Earth
All of actuators do not operate	④	①	⑤	⑥	⑦	③	②
Rear door lock actuator does not operate				②	③	①	
Tailgate lock actuator does not operate					②	①	

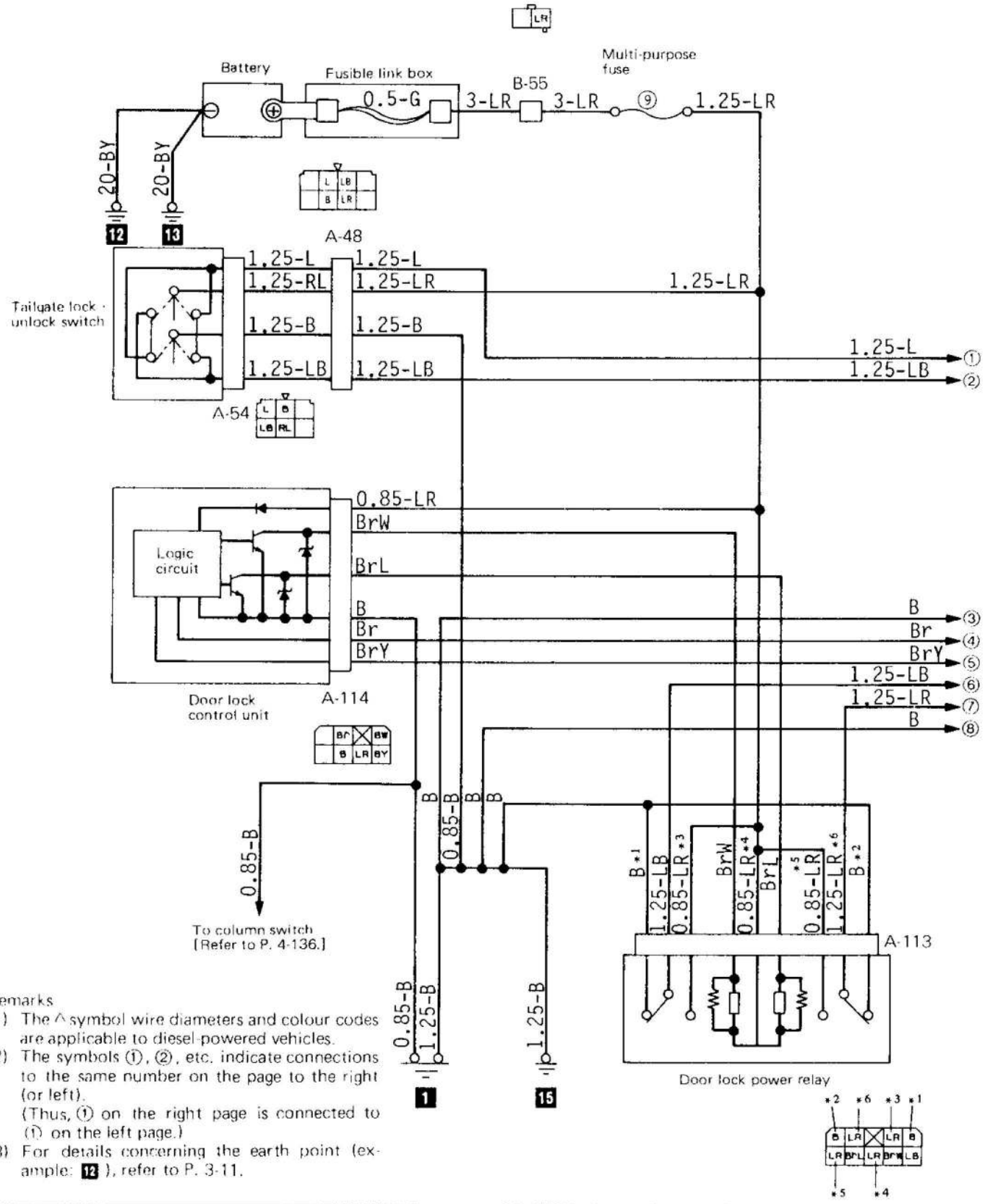
NOTE
Number in circle indicates inspection sequence.

22-2 All Doors and Tailgate [Refer to P. 4-96, 97]

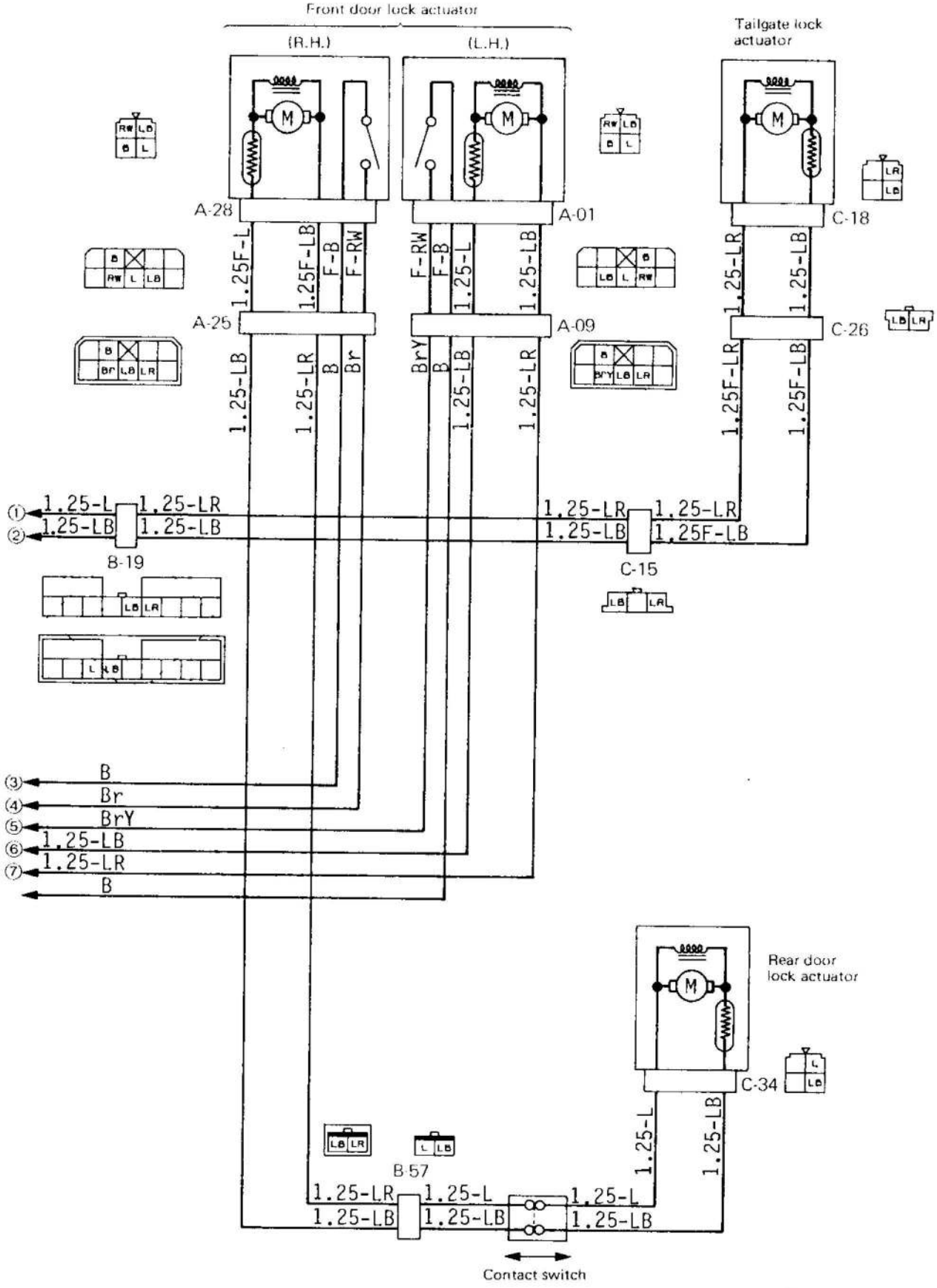
Inspection items / Symptom	Fusible link 0.5-G	Fuse No. 9	Tailgate lock unlock switch	Door lock power relay	Door lock control unit	Contact switch	Actuator	Wiring harness and connector connection	Earth
All of actuators do not operate	②	①						④	③
Front door and rear door lock actuators do not operate			⑤	③			④	②	(1)
Front door lock actuator does not operate							②	①	
Rear door lock actuator does not operate						②	③	①	
Tailgate lock actuator does not operate					③		④	②	①

NOTE
Number in circle indicates inspection sequence.

22-2 All Doors and Tailgate



Remarks
(1) The ^ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(Thus, ① on the right page is connected to ① on the left page.)
(3) For details concerning the earth point (example: 12), refer to P. 3-11.

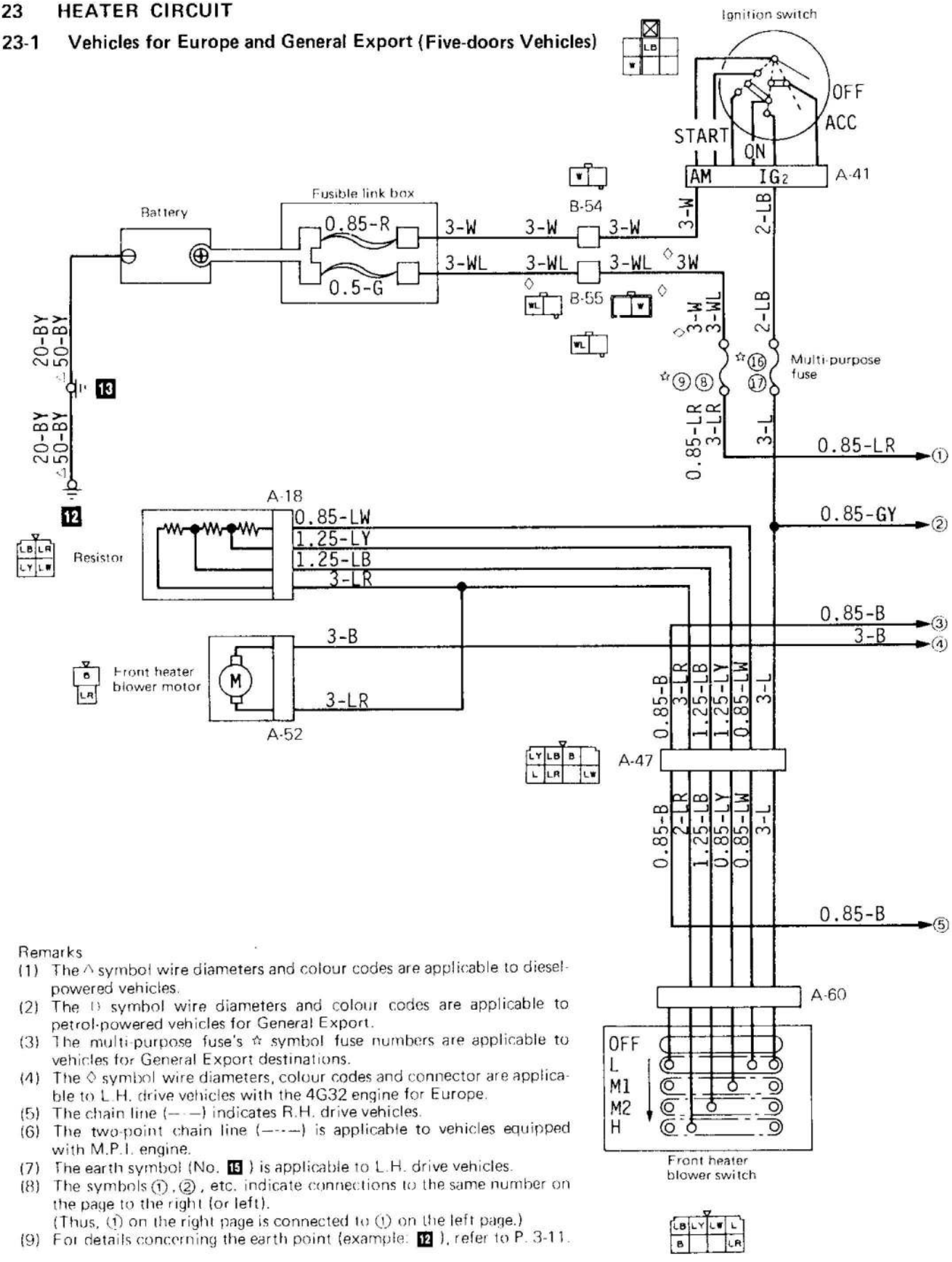


Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lb: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

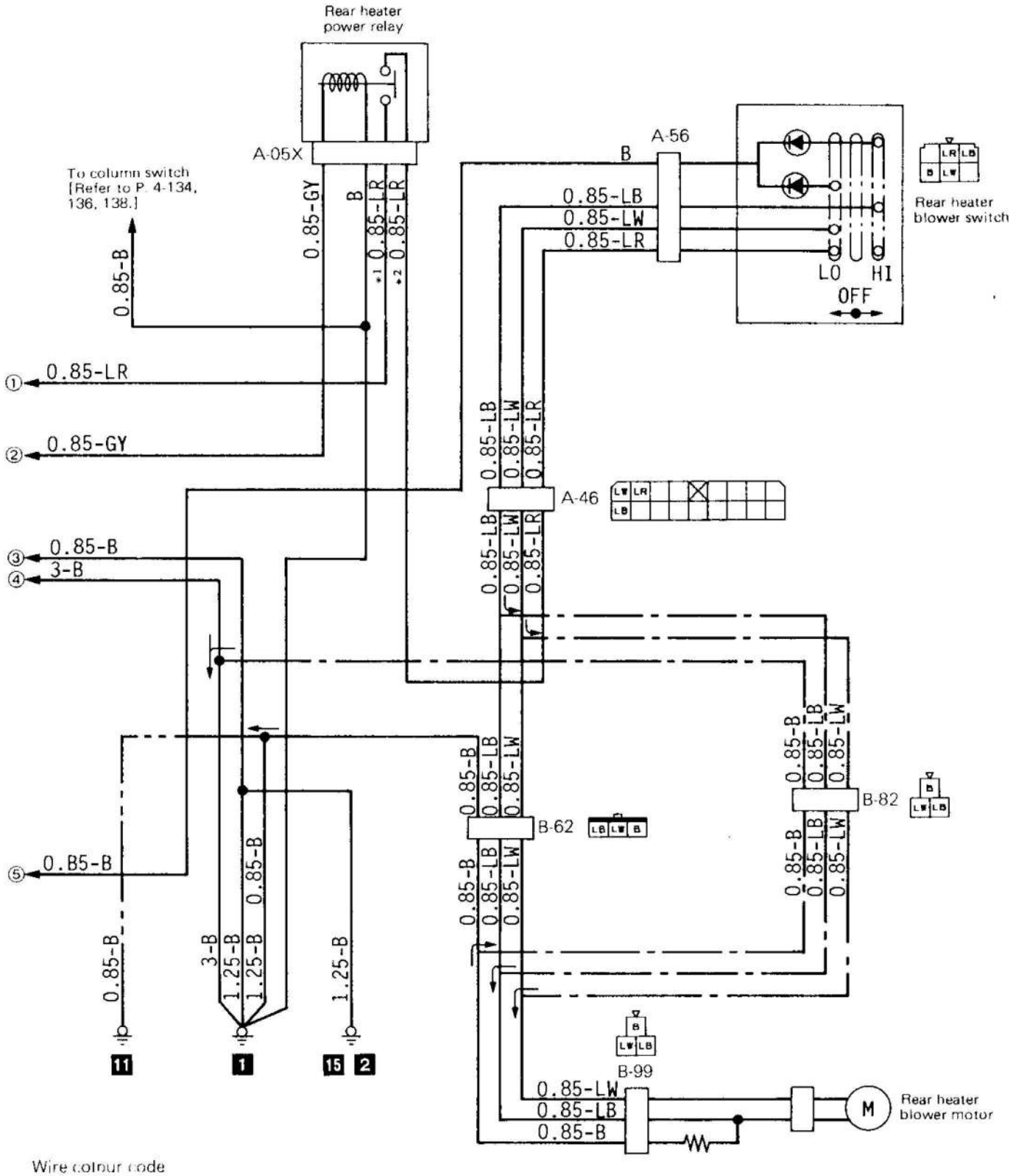
23 HEATER CIRCUIT

23-1 Vehicles for Europe and General Export (Five-doors Vehicles)



Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The ◇ symbol wire diameters and colour codes are applicable to petrol-powered vehicles for General Export.
(3) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to vehicles for General Export destinations.
(4) The ◊ symbol wire diameters, colour codes and connector are applicable to L.H. drive vehicles with the 4G32 engine for Europe.
(5) The chain line (— · —) indicates R.H. drive vehicles.
(6) The two-point chain line (— ·· —) is applicable to vehicles equipped with M.P.I. engine.
(7) The earth symbol (No. 15) is applicable to L.H. drive vehicles.
(8) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(Thus, ① on the right page is connected to ① on the left page.)
(9) For details concerning the earth point (example: 12), refer to P. 3-11.

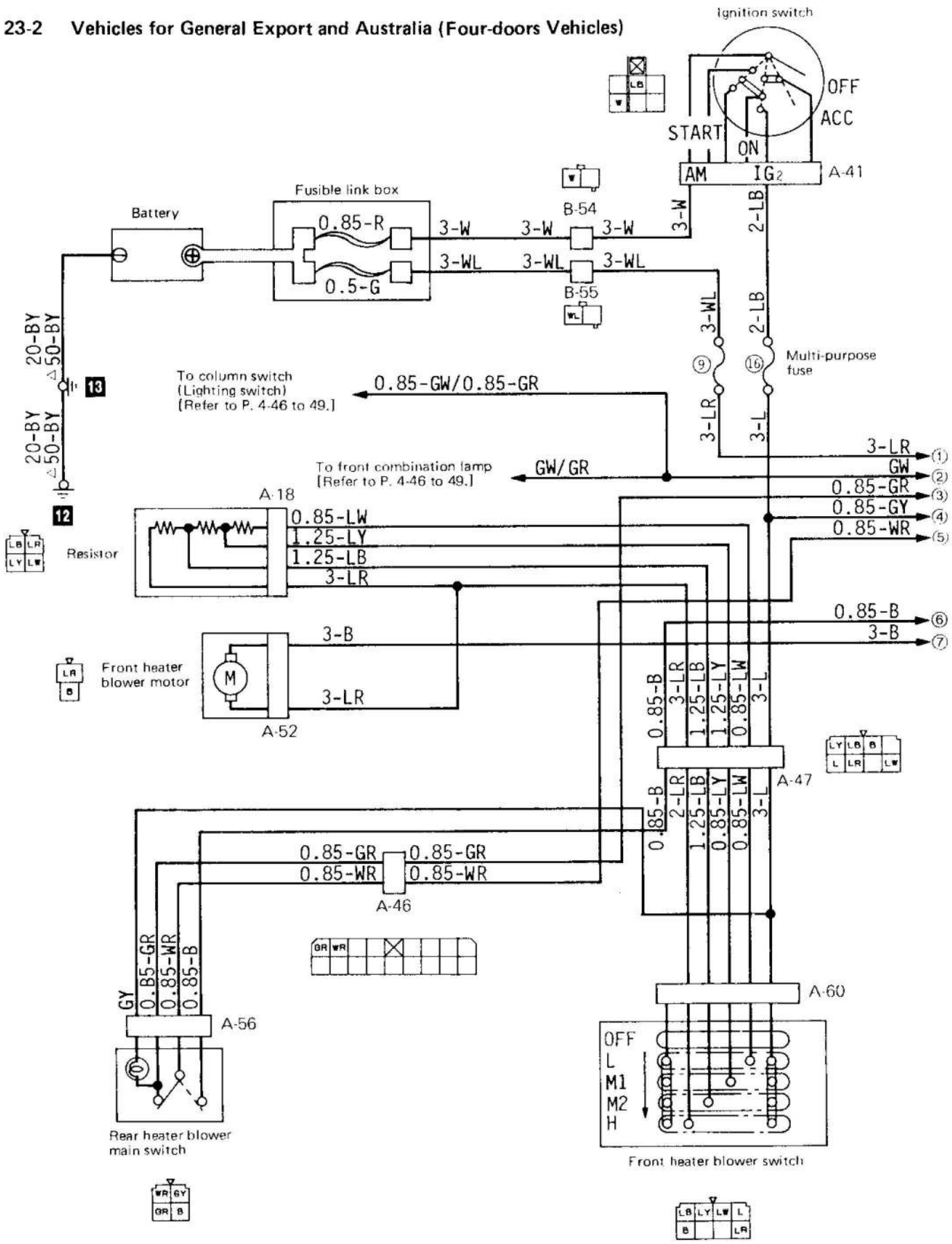


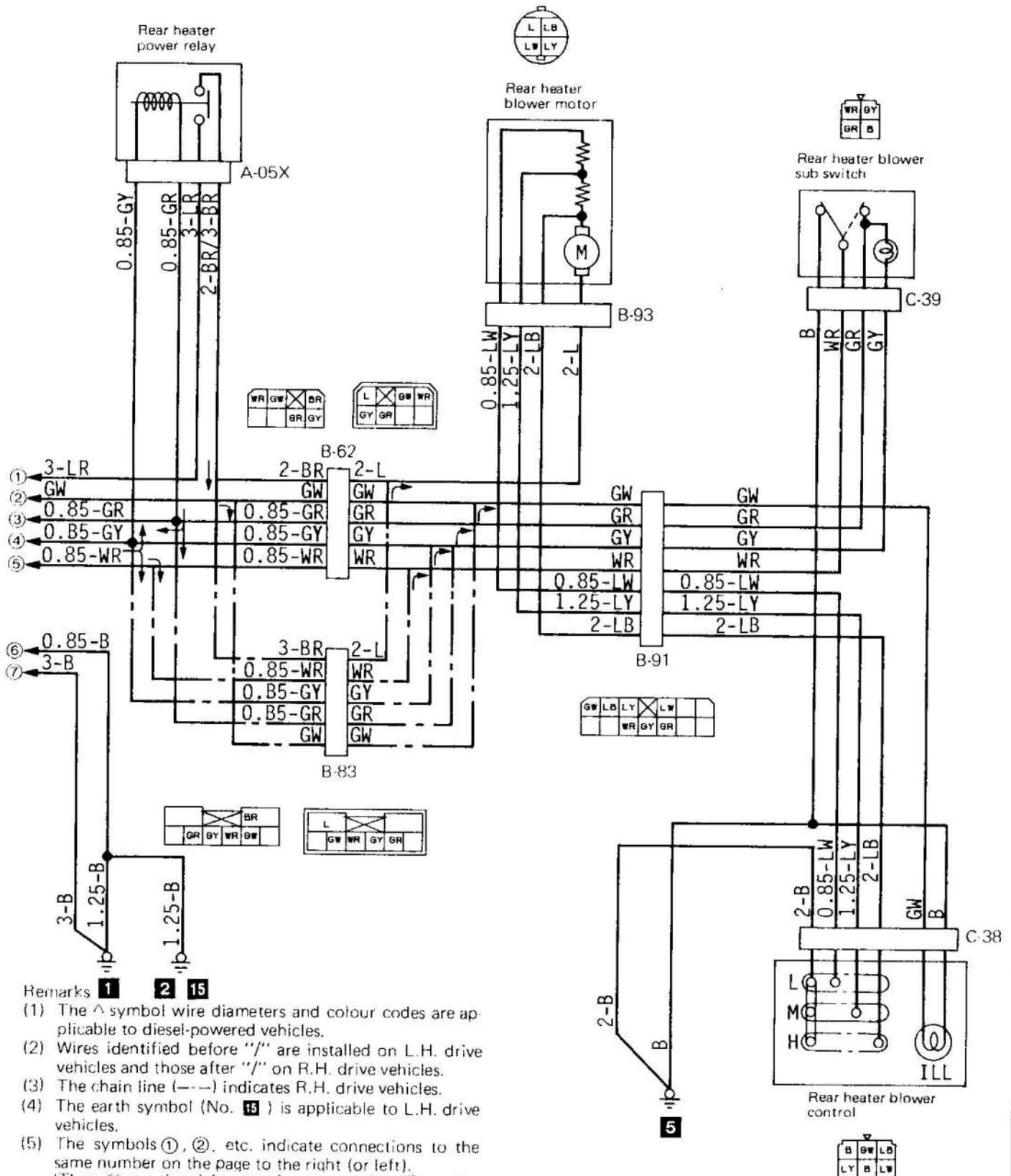
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0116

23-2 Vehicles for General Export and Australia (Four-doors Vehicles)





Remarks 1 2 15

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.
(3) The chain line (—·—) indicates R.H. drive vehicles.
(4) The earth symbol (No. 15) is applicable to L.H. drive vehicles.
(5) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)
(6) For details concerning the earth point (example: 12), refer to P. 3-11.

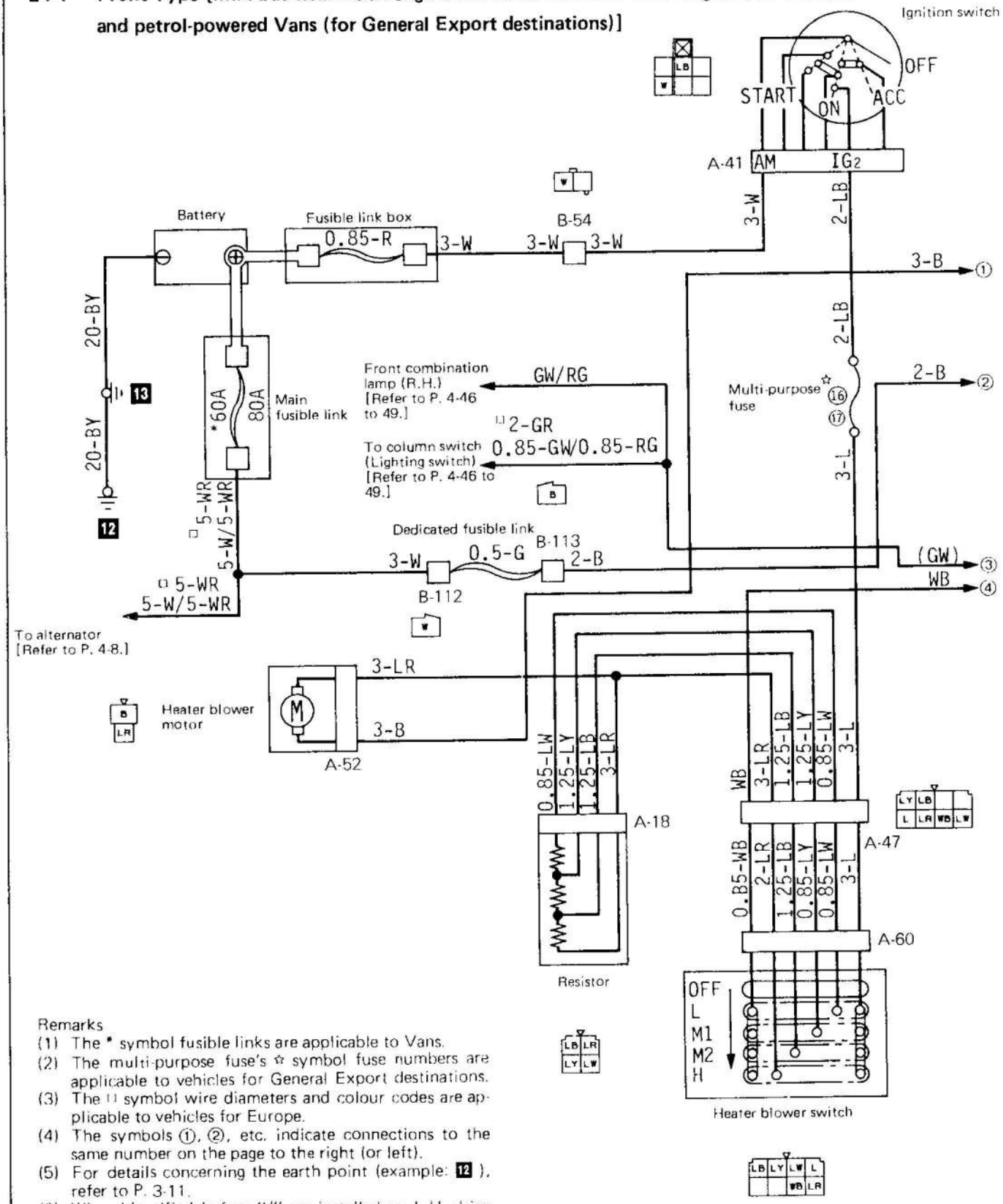
37G0115

Wire colour code

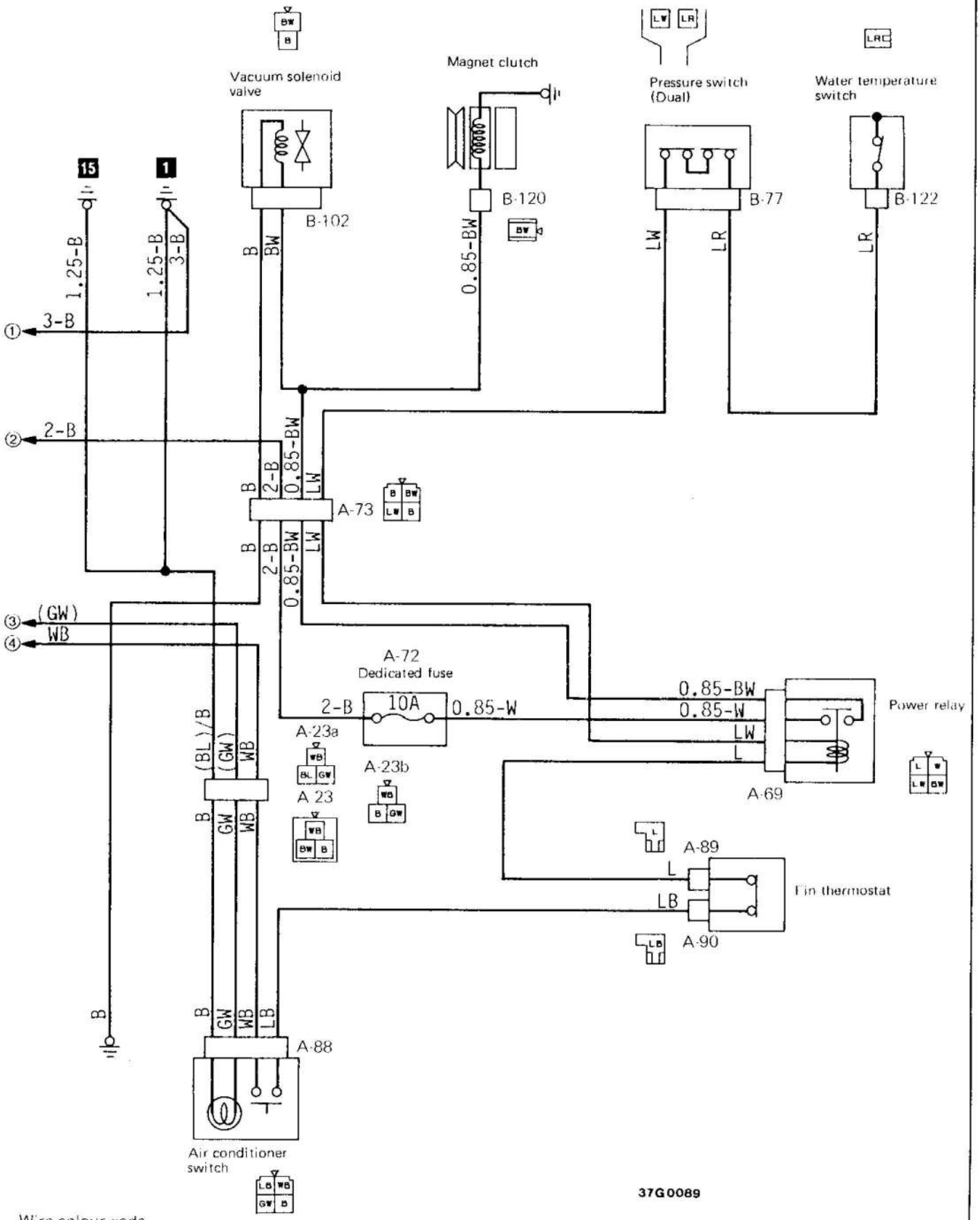
B: Black Br: Brown G: Green Gr: Gray L: Blue Lg: Light green
Lt: Light Blue O: Orange P: Pink R: Red Sb: Silver Y: Yellow W: White

24 AIR CONDITIONER CIRCUIT

24-1 Front Type [Mini bus with 4G63 engine and Panel van with 4G32 engine (for Europe) and petrol-powered Vans (for General Export destinations)]



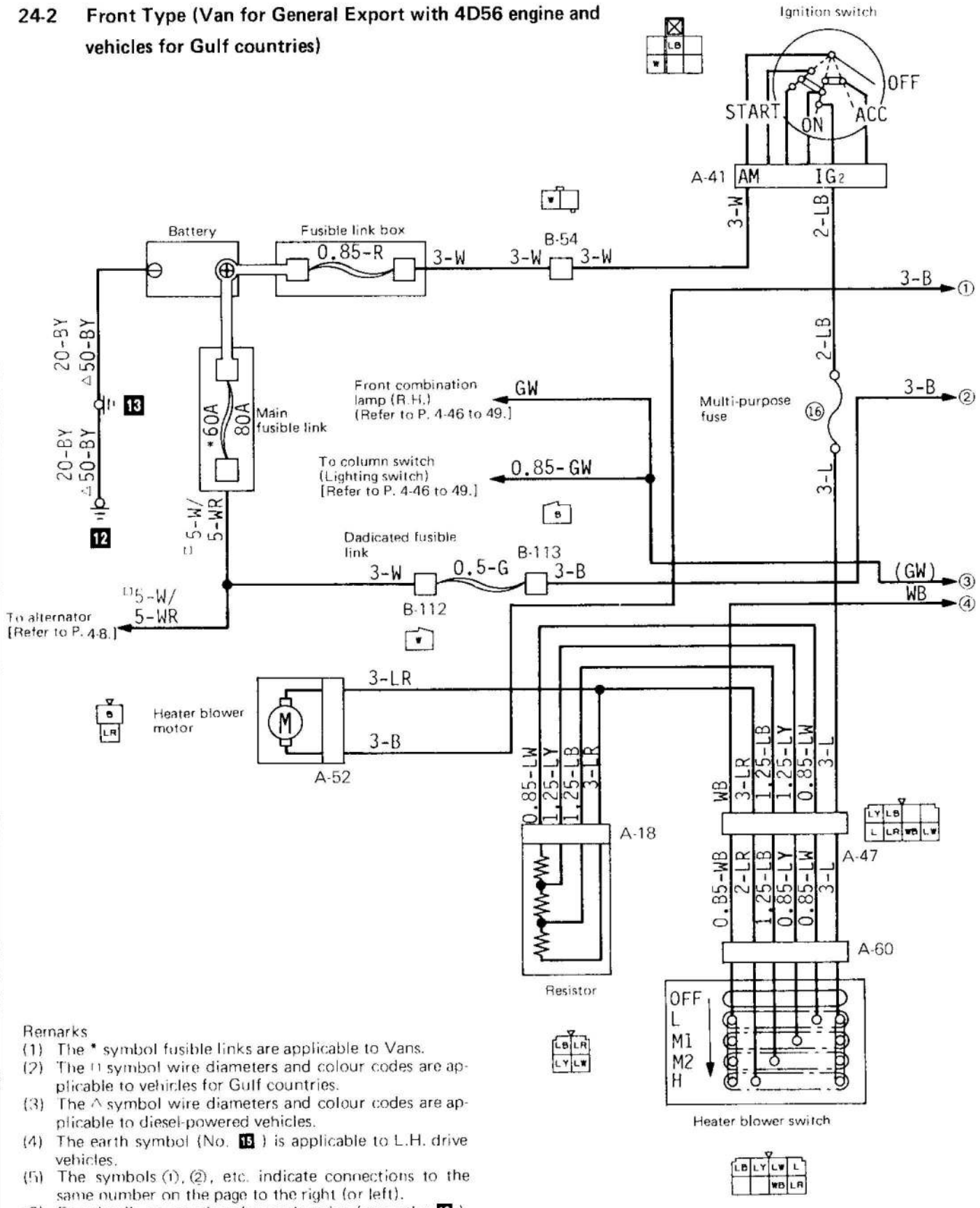
Remarks
(1) The * symbol fusible links are applicable to Vans.
(2) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to vehicles for General Export destinations.
(3) The □ symbol wire diameters and colour codes are applicable to vehicles for Europe.
(4) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(5) For details concerning the earth point (example: 12), refer to P. 3-11.
(6) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.



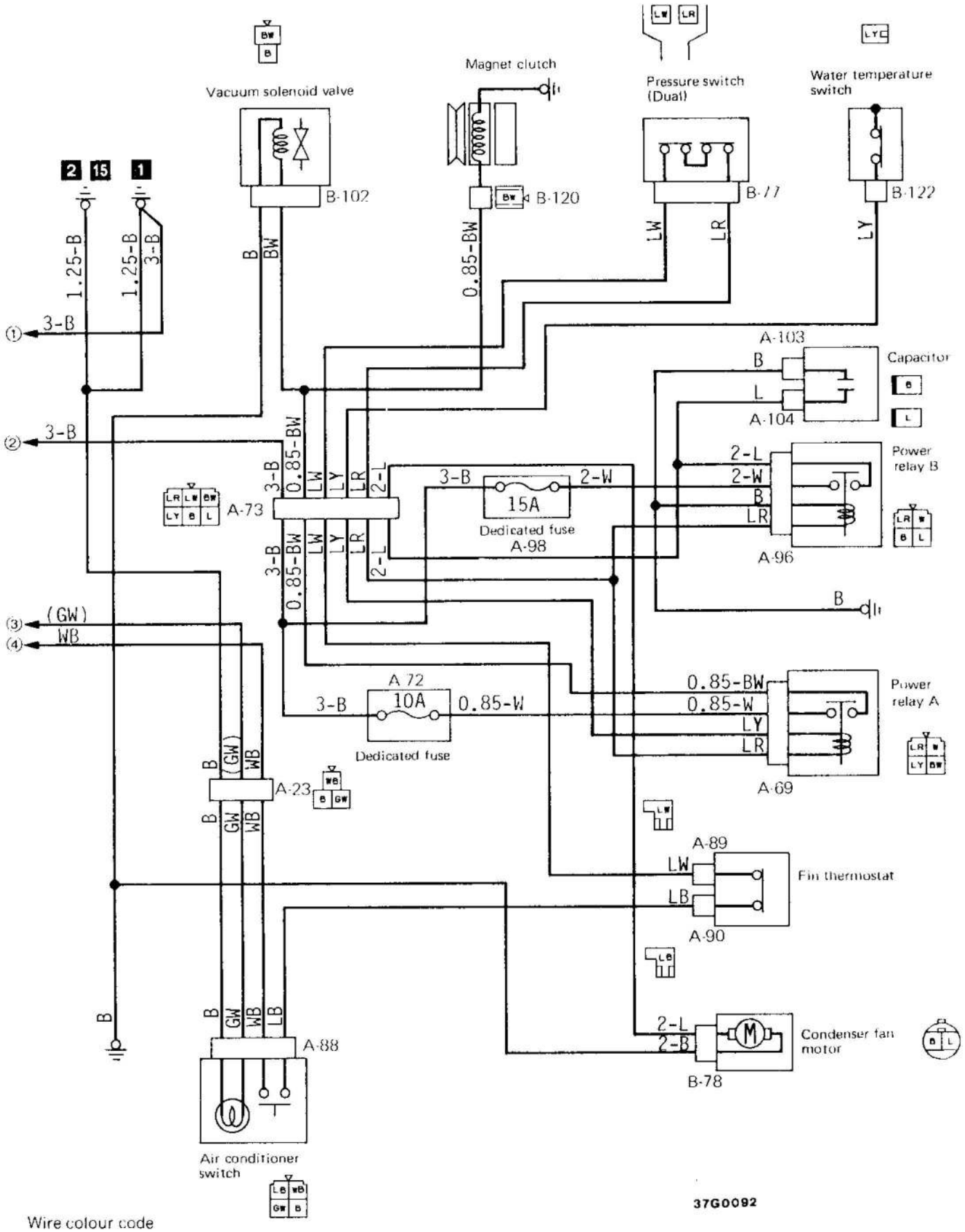
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt. Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

24-2 Front Type (Van for General Export with 4D56 engine and vehicles for Gulf countries)



Remarks
(1) The * symbol fusible links are applicable to Vans.
(2) The □ symbol wire diameters and colour codes are applicable to vehicles for Gulf countries.
(3) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(4) The earth symbol (No. 13) is applicable to L.H. drive vehicles.
(5) The symbols (1), (2), etc. indicate connections to the same number on the page to the right (or left).
(6) For details concerning the earth point (example: 12), refer to P. 3-11.

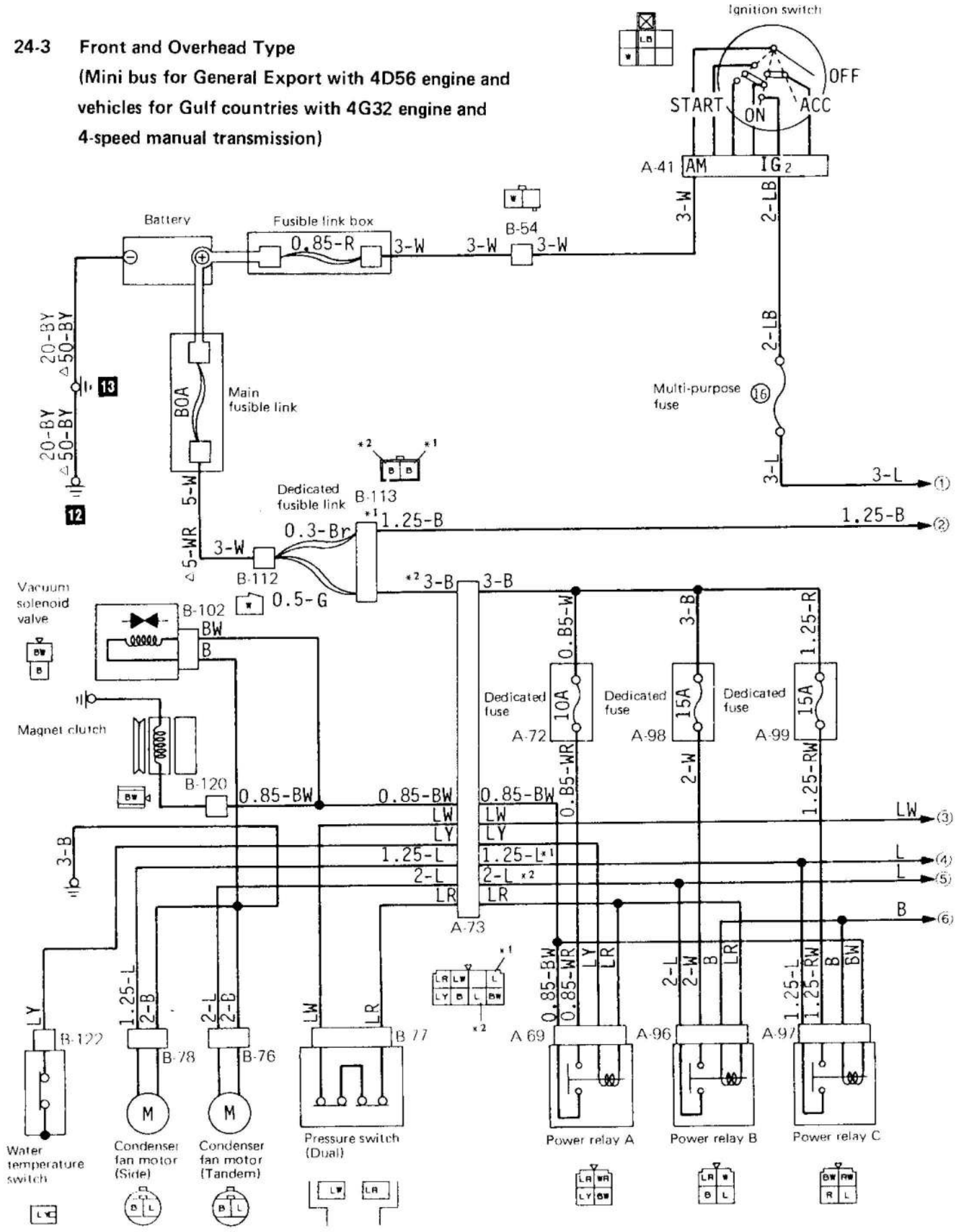


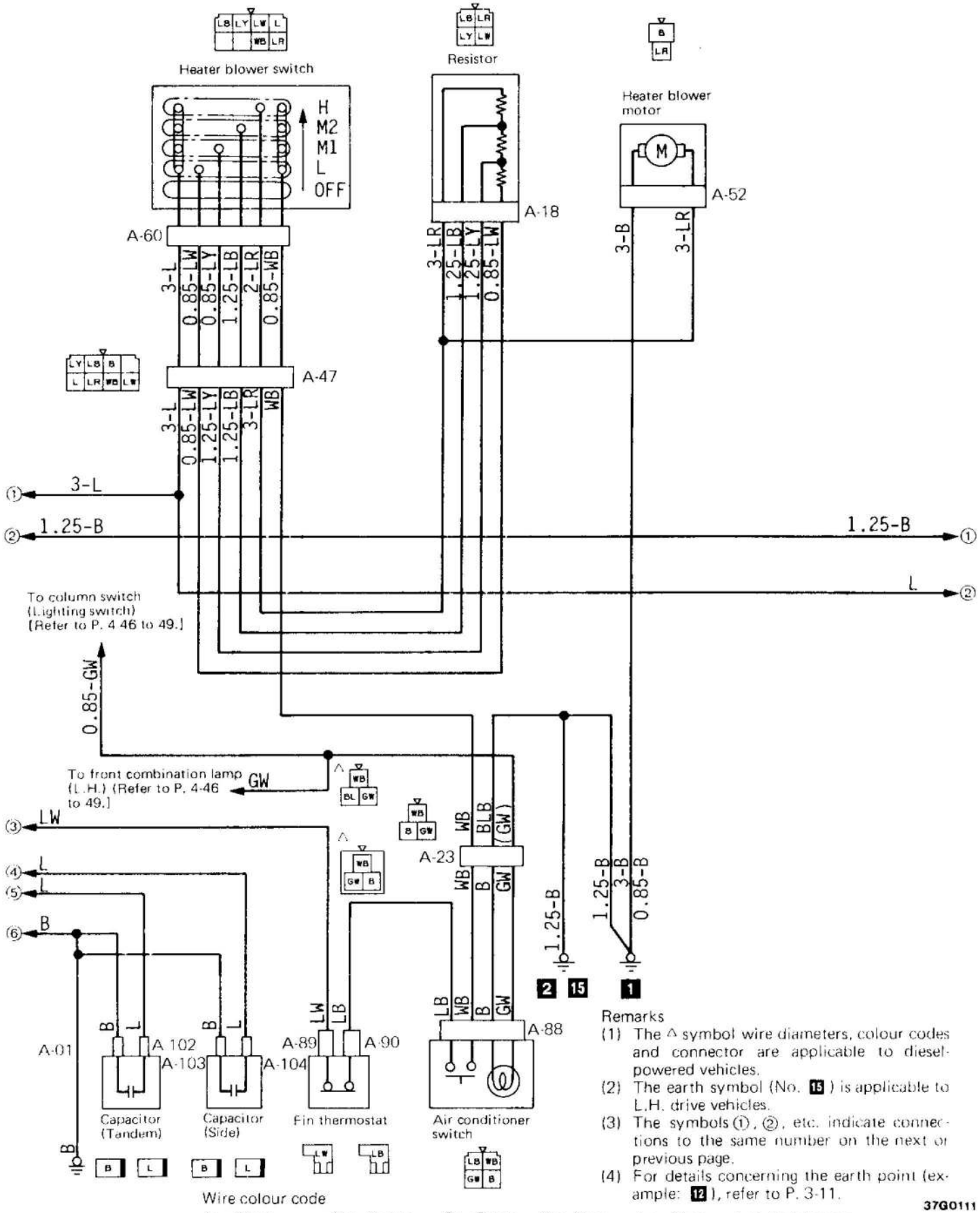
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

24-3 Front and Overhead Type

(Mini bus for General Export with 4D56 engine and vehicles for Gulf countries with 4G32 engine and 4-speed manual transmission)





Remarks

(1) The △ symbol wire diameters, colour codes and connector are applicable to diesel-powered vehicles.

(2) The earth symbol (No. 15) is applicable to L.H. drive vehicles.

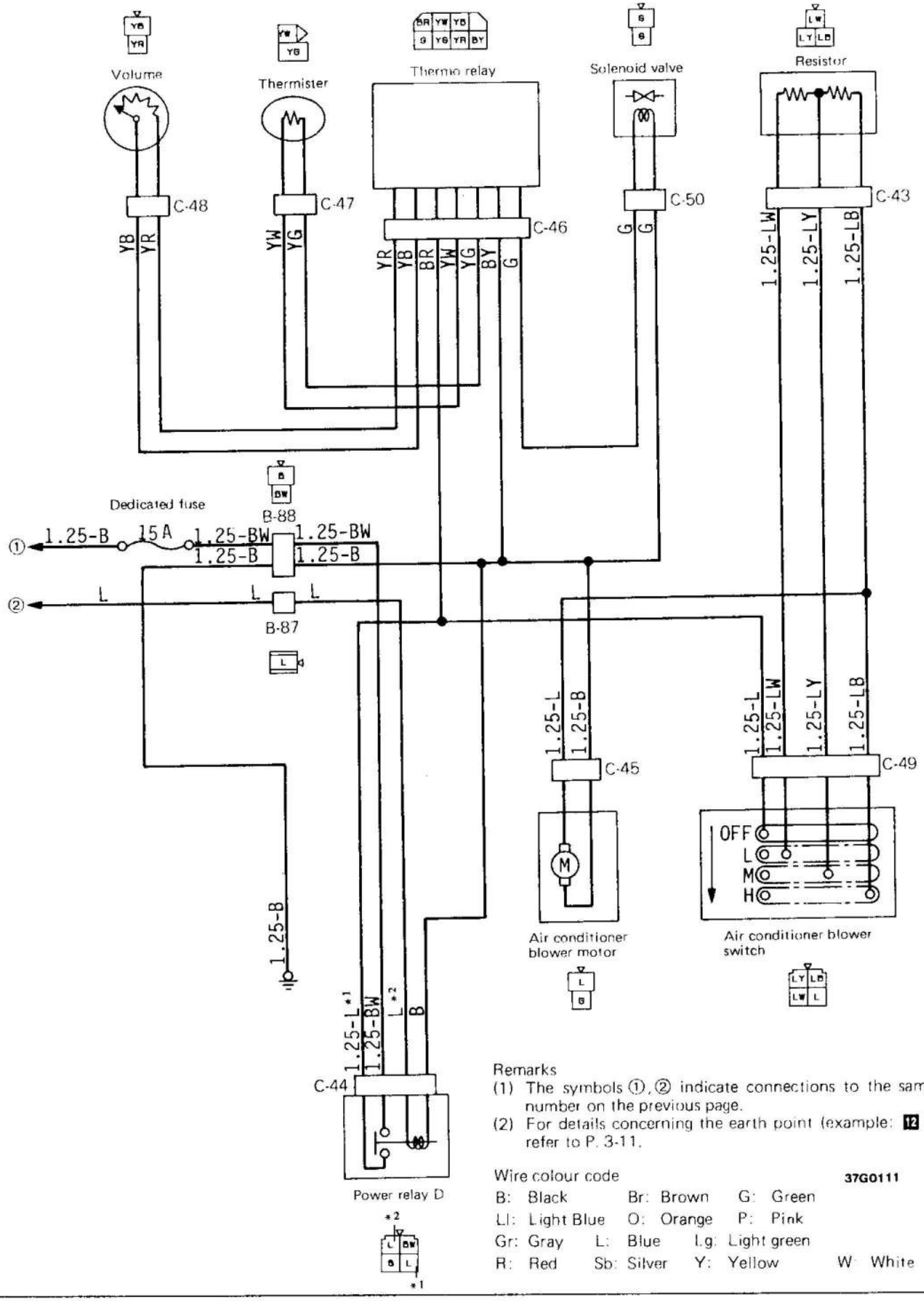
(3) The symbols ①, ②, etc. indicate connections to the same number on the next or previous page.

(4) For details concerning the earth point (example: 12), refer to P. 3-11.

37G0111

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White



Remarks

(1) The symbols ①, ② indicate connections to the same number on the previous page.

(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

37G0111

B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

TROUBLESHOOTING

23 HEATER CIRCUIT [Refer to P. 4-98 to 101]

Inspection items / Symptom	Fusible link 0.5-G	Multi-purpose fuse				Front heater blower switch	Resistor	Front heater blower motor	Rear heater power relay	Rear heater blower switch	Rear heater blower main switch**	Rear heater blower sub switch**	Rear heater blower control**	Rear heater blower motor	Wiring harness and connector connection	Earth
		Fuse No. 8	Fuse No. 9*	Fuse No. 16*	Fuse No. 17											
The blower motor does not operate	⑬	①		②		③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑭	⑮
The blower motor speed does not change						①	②	③		④			⑤	⑥		
The blower motor for the front operates, but the blower motor for the rear does not operate		①							④	⑤	⑥	⑦	⑧	⑨	②	③

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.
(3) The ** symbol indicates four-doors vehicles.

24 AIR CONDITIONER CIRCUIT

24-1 Front Type [Refer to P. 4-102, 103]

Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse 10A	Power relay	Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Magnet clutch	Wiring harness and connector connection	Earth
Magnet clutch does not operate	⑨	①	③	④	⑤	⑥	⑦	⑩	②	⑧

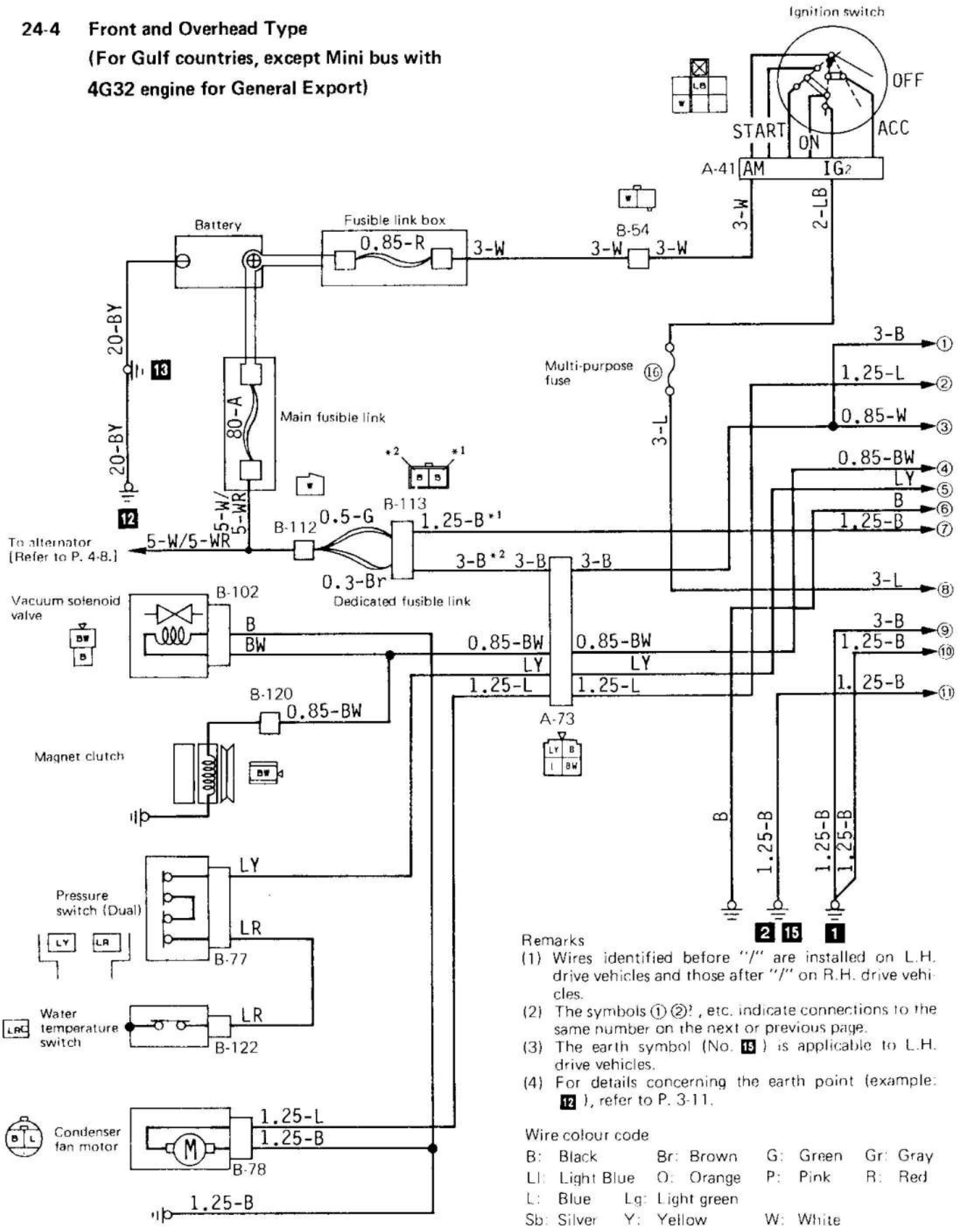
NOTE
Number in circle indicates inspection sequence.

24-2 Front Type [Refer to P. 4-104, 105]

Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse		Power relay		Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Magnet clutch	Capacitor	Condenser fan motor	Wiring harness and connector connection	Earth
		10A	15A	A	B									
Magnet clutch does not operate	⑨	①		③		④	⑤	⑥	⑦	⑩			②	⑧
Condenser fan does not operate	⑨		①		③	④	⑤	⑥			⑦	⑩	②	⑧

NOTE: Number in circle indicates inspection sequence.

24-4 Front and Overhead Type (For Gulf countries, except Mini bus with 4G32 engine for General Export)



Remarks

(1) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.

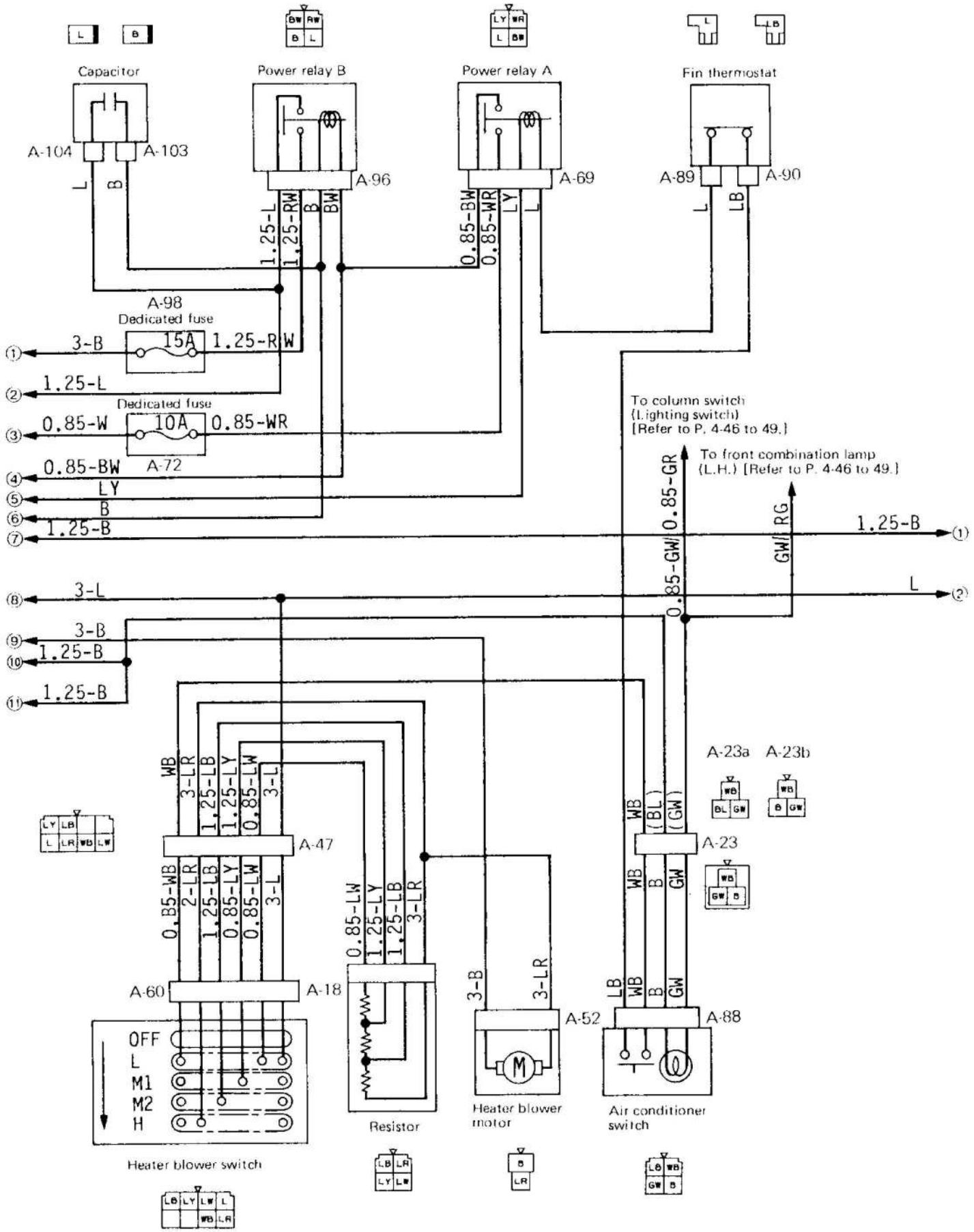
(2) The symbols ① ②, etc. indicate connections to the same number on the next or previous page.

(3) The earth symbol (No. 15) is applicable to L.H. drive vehicles.

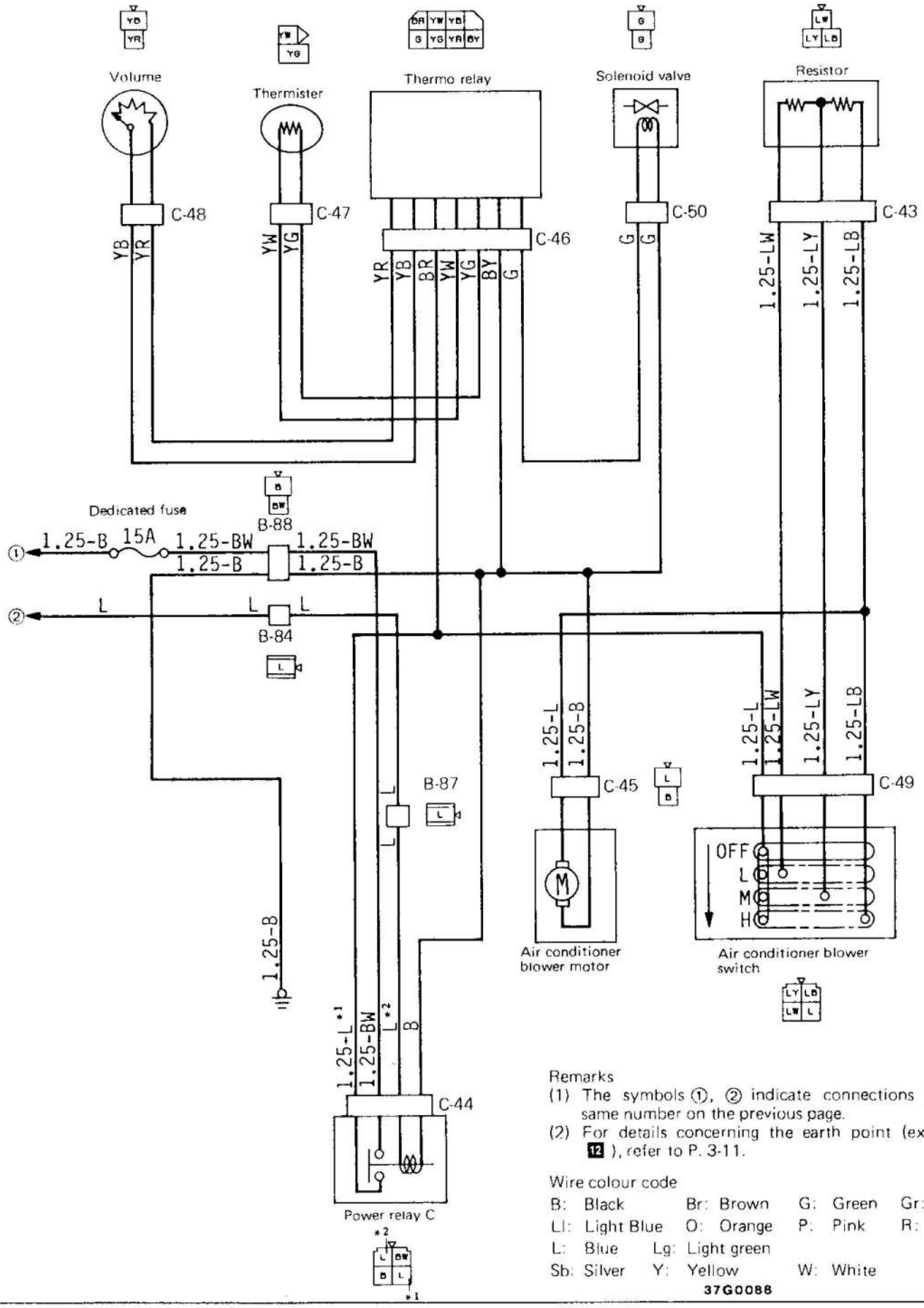
(4) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		


Capacitor
Power relay B
Power relay A
Fin thermostat
A-104
A-103
A-96
A-69
A-89
A-90
A-98
Dedicated fuse
15A
10A
A-72
3-B
1.25-R W
1.25-L
0.85-W
0.85-WR
0.85-BW
LY
B
1.25-B
To column switch
(Lighting switch)
[Refer to P. 4-46 to 49.]
To front combination lamp
(L.H.) [Refer to P. 4-46 to 49.]
0.85-GR
0.85-GW
GW/RG
3-L
L
A-23a
A-23b
A-47
A-23
A-60
A-18
A-52
A-88
OFF
L
M1
M2
H
Heater blower switch
Resistor
Heater blower motor
Air conditioner switch

37G0087



Remarks

(1) The symbols ①, ② indicate connections to the same number on the previous page.

(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray
Ll: Light Blue	O: Orange	P: Pink	R: Red
L: Blue	Lg: Light green		
Sb: Silver	Y: Yellow	W: White	

37G0088

TROUBLESHOOTING

24-3 Front and Overhead Type [Refer to P. 4-106 to 108]

Symptom \ Inspection items	Dedicated fusible link		Dedicated fuse		Air conditioner switch	Fin thermostat	Pressure switch	Water tempreture switch	Power relay				Magnet clutch	Capacitor		Condenser fan motor		Air conditioner blower switch	Resistor	Air conditioner blower motor	Wiring harness and connector connection	Earth
	0.3-Br	0.5-G	10A	15A					A	B	C	D		Tandem	Side	Tandem	Side					
Magnet clutch does not operate		⑨	①		④	⑤	⑥	⑦	③				⑩								②	⑧
Condenser fan (tandem) does not operate		⑩		①	④	⑤	⑥	⑦		③				⑧		⑪					②	⑨
Condenser fan (side) does not operate		⑩		①	④	⑤	⑥	⑦			③				⑧		⑪				②	⑨
Air conditioner blower does not operate	⑦			①								③						④	⑤	⑧	②	⑥

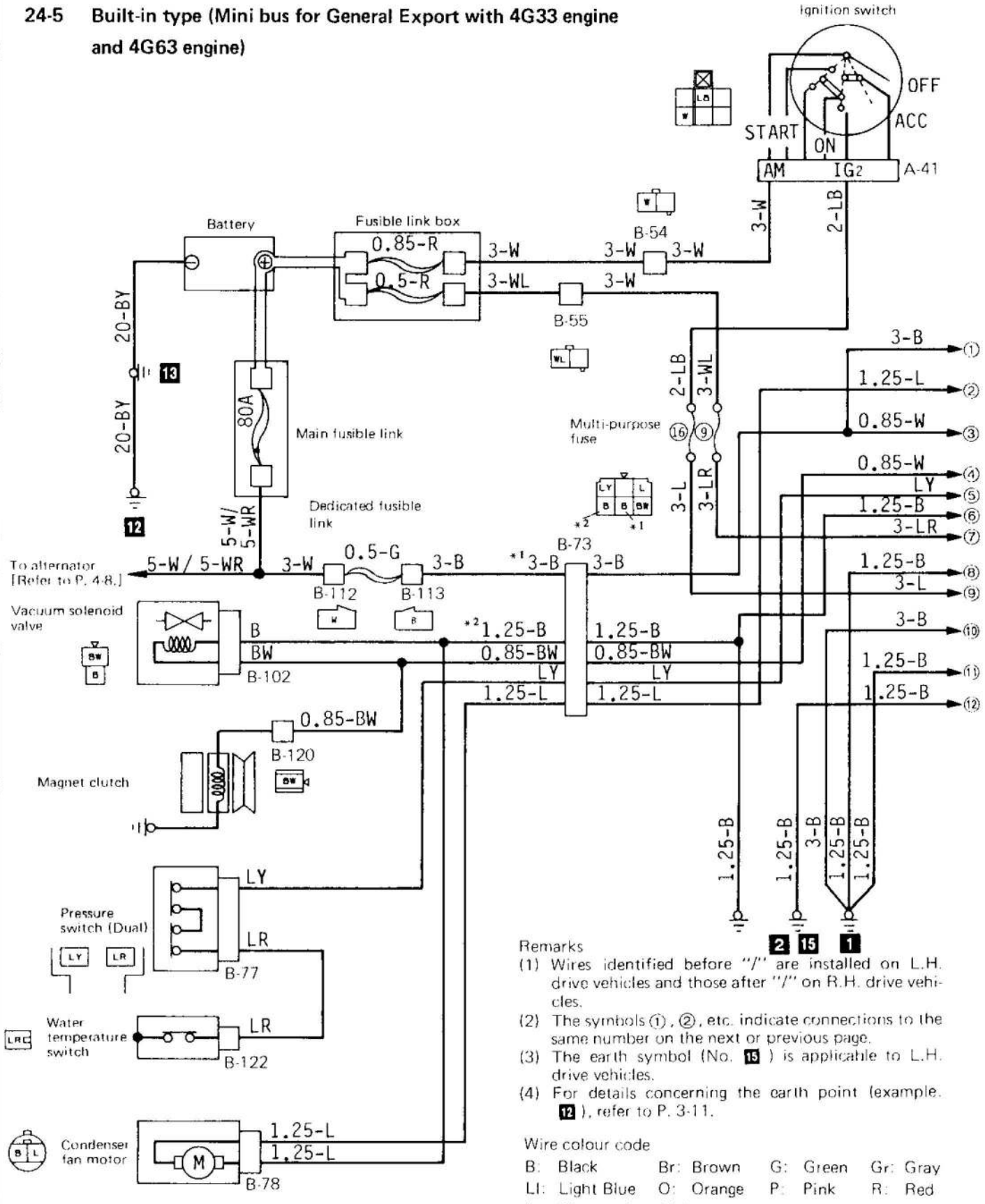
NOTE
Number in circle indicates inspection sequence.

24-4 Front and Overhead Type [Refer to P. 4-110 to 112]

Symptom \ Inspection items	0.3-Br	Dedicated fusible link 0.5-G	Dedicated fuse 10A	Dedicated fuse 15A	Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Power relay A	Power relay B	Power relay C	Magnet clutch	Capacitor	Condenser fan motor	Air conditioner blower switch	Resistor	Air conditioner blower motor	Wiring harness and connector connection	Earth
Magnet clutch does not operate		⑨	①		④	⑤	⑥	⑦	③			⑩						②	⑧
Condenser fan does not operate		⑩		①	④	⑤	⑥	⑦		③			⑧	⑪				②	⑨
Air conditioner blower does not operate	⑦			①							③				④	⑤	⑧	②	⑥

NOTE
Number in circle indicates inspection sequence

24-5 Built-in type (Mini bus for General Export with 4G33 engine and 4G63 engine)



Remarks

(1) Wires identified before "/" are installed on L.H. drive vehicles and those after "/" on R.H. drive vehicles.

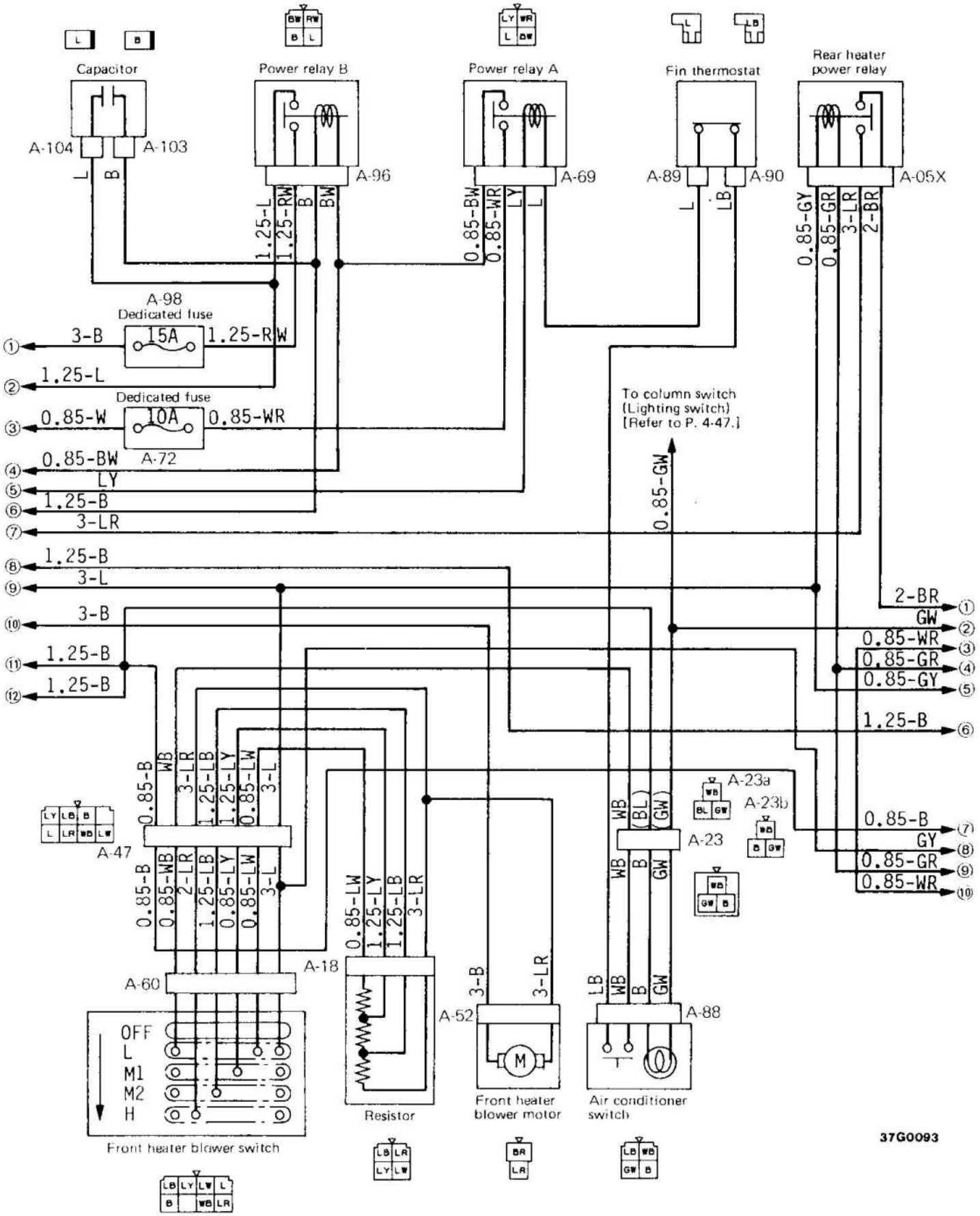
(2) The symbols ①, ②, etc. indicate connections to the same number on the next or previous page.

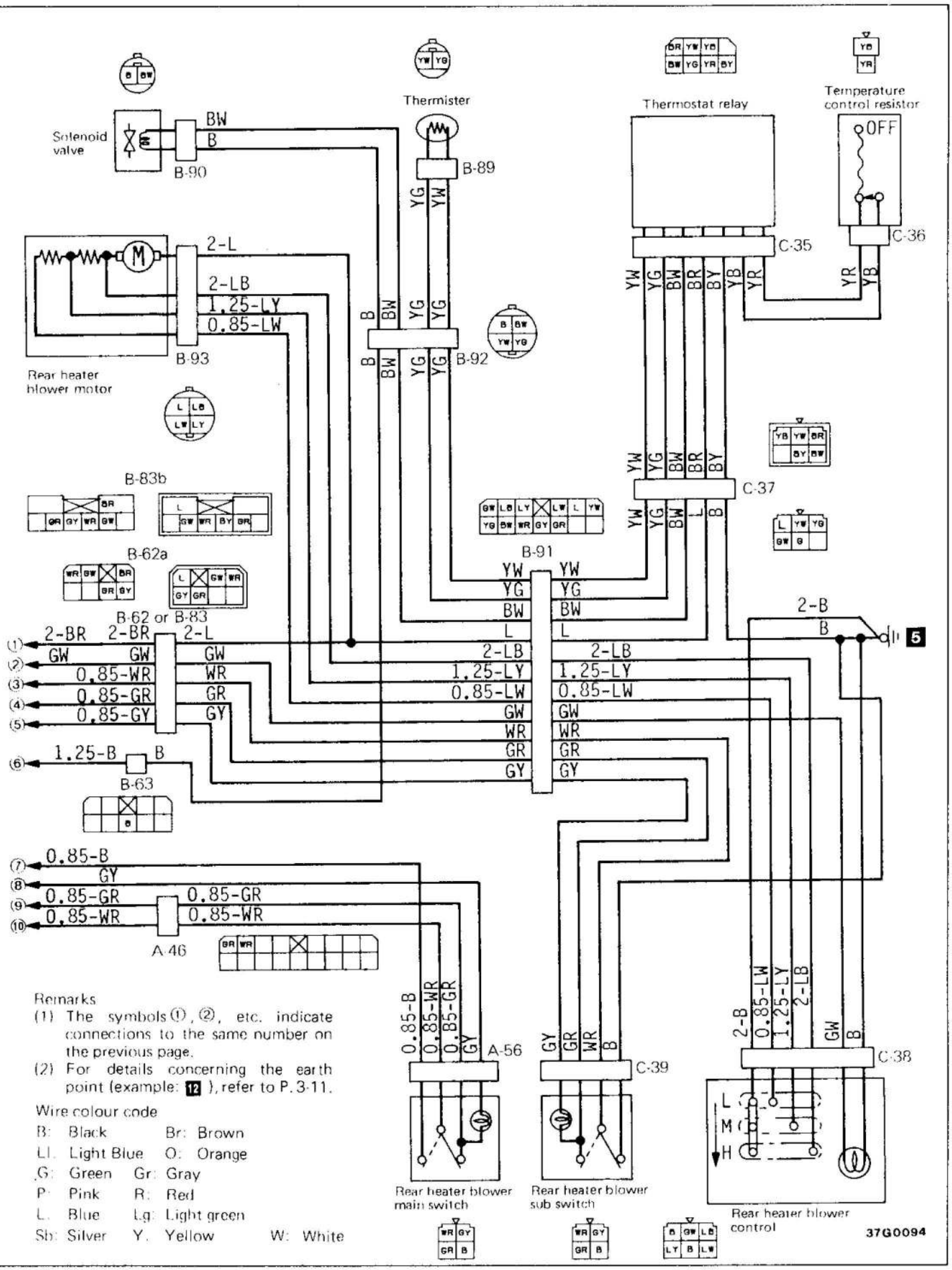
(3) The earth symbol (No. 15) is applicable to L.H. drive vehicles.

(4) For details concerning the earth point (example. 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray
Ll: Light Blue	O: Orange	P: Pink	R: Red
L: Blue	Lg: Light green		
Sb: Silver	Y: Yellow	W: White	


Capacitor
Power relay B
Power relay A
Fin thermostat
Rear heater power relay
A-104
A-103
A-96
A-69
A-89
A-90
A-05X
A-98
Dedicated fuse
15A
10A
A-72
3-B
1.25-RW
1.25-L
0.85-W
0.85-WR
0.85-BW
LY
1.25-B
3-LR
3-L
2-BR
GW
0.85-GR
0.85-GY
GY
To column switch
(Lighting switch)
[Refer to P. 4-47.]
0.85-GW
A-23a
A-23b
A-23
A-47
A-60
A-18
A-52
A-88
OFF
L
M1
M2
H
Front heater blower switch
Resistor
Front heater blower motor
Air conditioner switch
37G0093



Remarks
(1) The symbols ①, ②, etc. indicate connections to the same number on the previous page.
(2) For details concerning the earth point (example: 12), refer to P.3-11.

Wire colour code

B:	Black	Br:	Brown
Ll:	Light Blue	O:	Orange
G:	Green	Gr:	Gray
P:	Pink	R:	Red
L:	Blue	Lg:	Light green
Sb:	Silver	Y:	Yellow
W:	White		

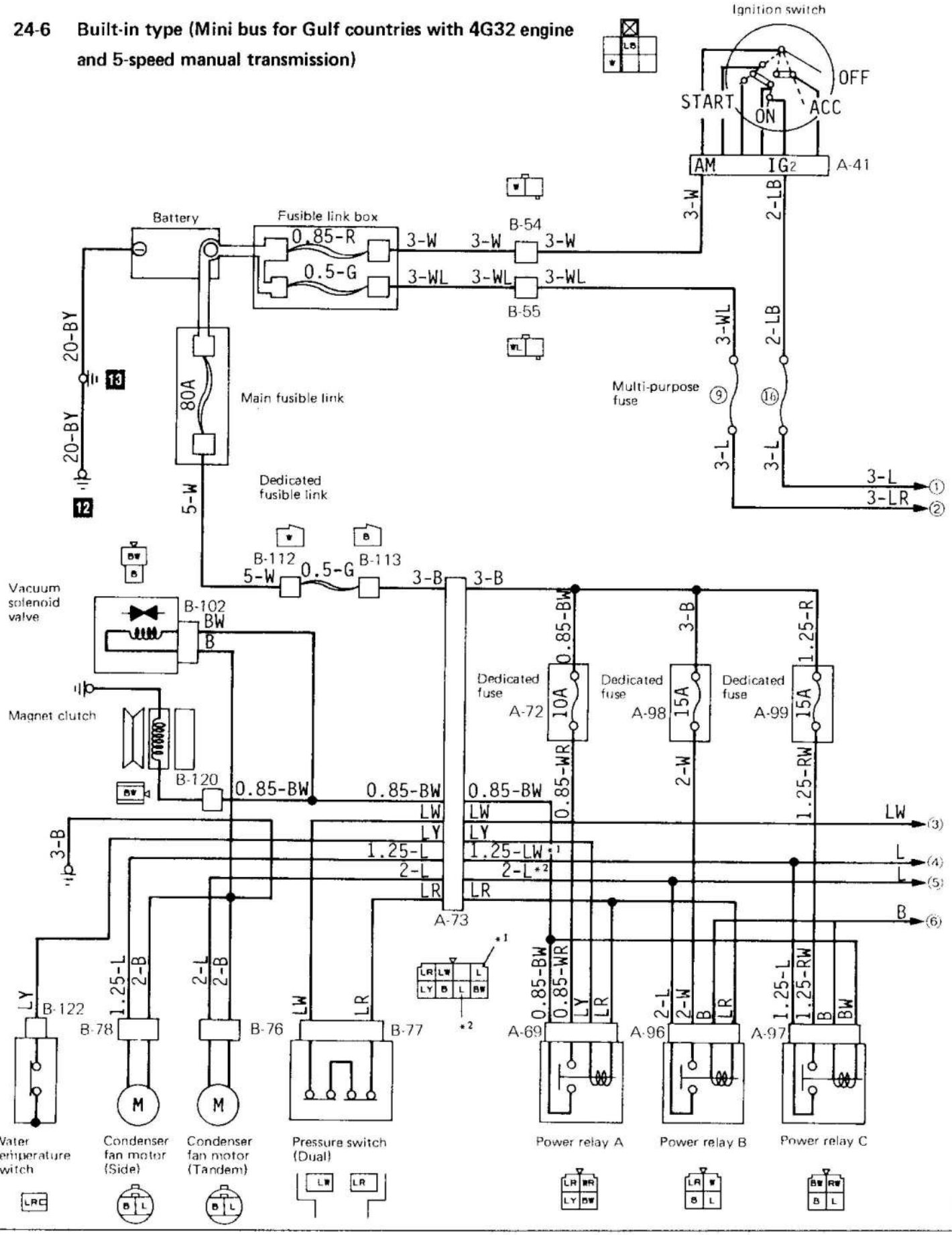
TROUBLESHOOTING

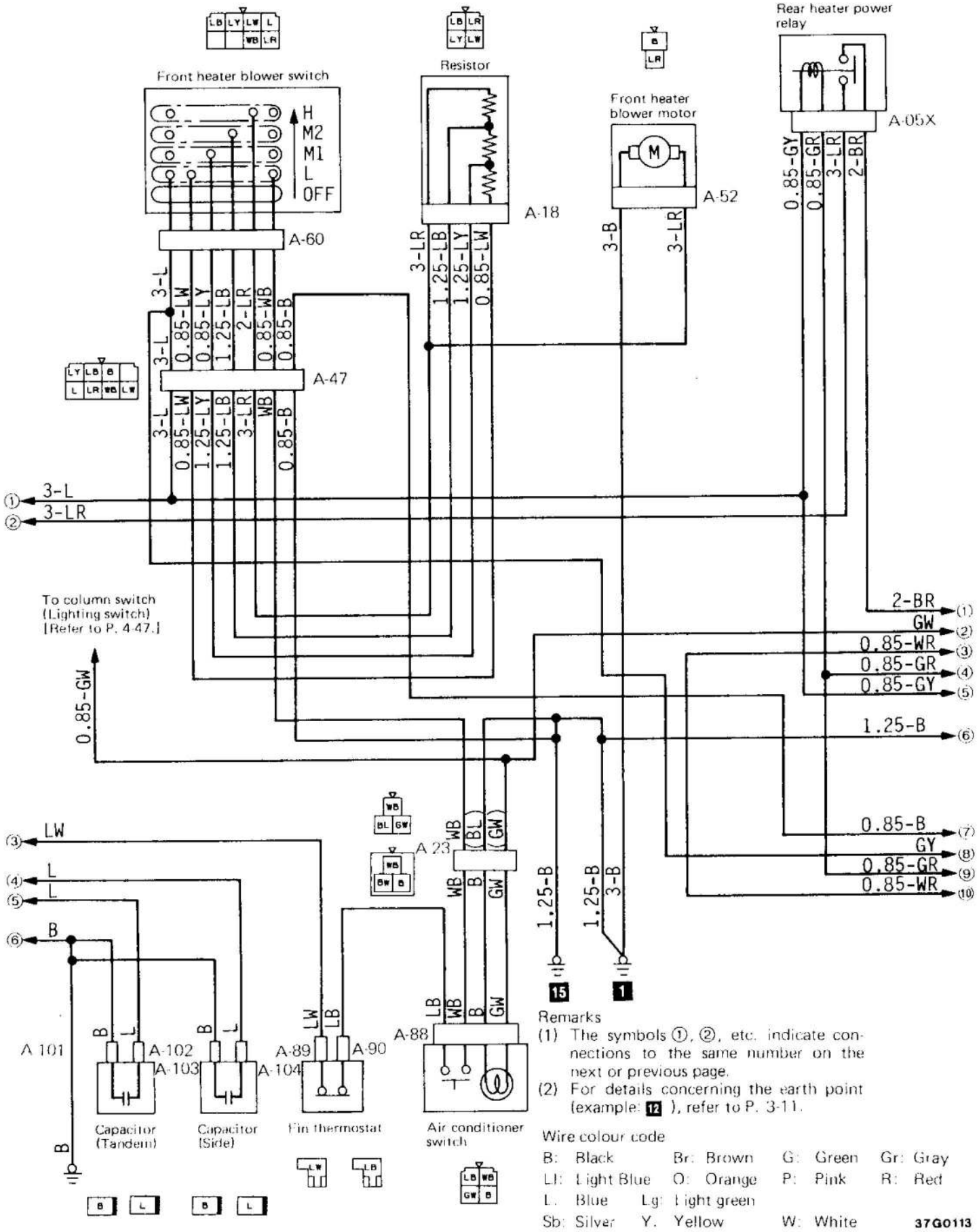
24-5 Built-in Type [Refer to P. 4-114 to 116]

Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse		Power relay		Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Magnet clutch	Capacitor	Condenser fan motor	Wiring harness and connector connection	Earth
		10A	15A	A	B									
Magnet clutch does not operate	⑨	①		③		④	⑤	⑥	⑦	⑩			②	⑧
Condenser fan does not operate	⑨		①		③	④	⑤	⑥			⑦	⑩	②	⑧

NOTE
Number in circle indicates inspection sequence.

24-6 Built-in type (Mini bus for Gulf countries with 4G32 engine and 5-speed manual transmission)





Remarks

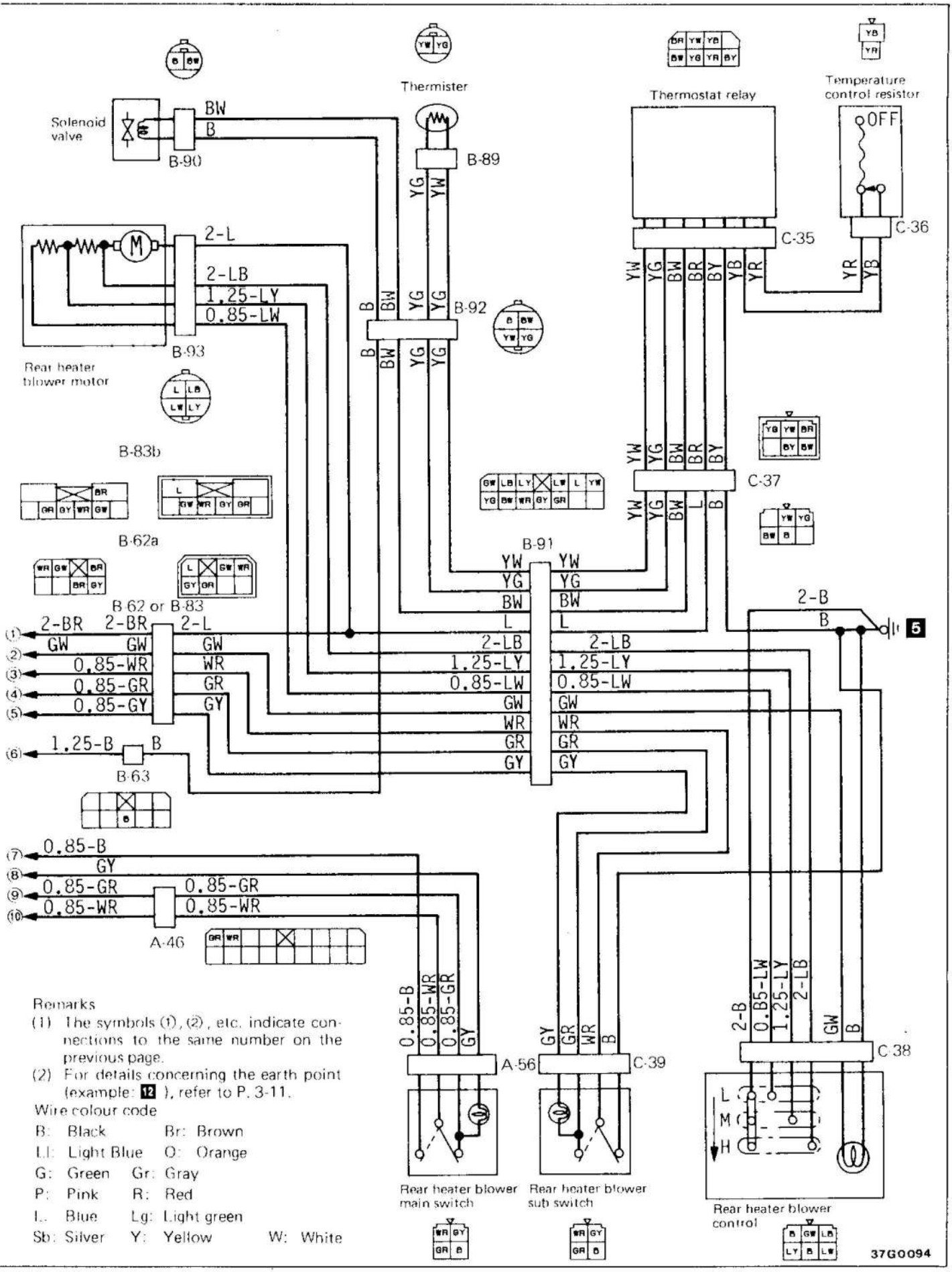
(1) The symbols ①, ②, etc. indicate connections to the same number on the next or previous page.

(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Lb:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		

37G0113



Remarks

(1) The symbols (1), (2), etc. indicate connections to the same number on the previous page.

(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown
Lb:	Light Blue	O:	Orange
G:	Green	Gr:	Gray
P:	Pink	R:	Red
L:	Blue	Lg:	Light green
Sb:	Silver	Y:	Yellow
W:	White		

TROUBLESHOOTING

24-6 Bult-in Type [Refer to P. 4-118 to 120]

Inspection items / Symptom	Dedicated fusible link		Dedicated fuse																			
	0.3-Br	0.5-G	10A	15A	Air conditioner switch	Fin thermostat	Pressure switch	Water tempreture switch	Power relay A	Power relay B	Power relay C	Power relay D	Magnet clutch	Capacitor Tandem	Capacitor Side	Condenser fan motor Tandem	Condenser fan motor Side	Air conditioner blower switch	Resistor	Air conditioner blower motor	Wiring harness and connector connection	Earth
Magnet clutch does not operate		⑨	①		④	⑤	⑥	⑦	③				⑩								②	⑧
Condenser fan (tandem) does not operate		⑩		①	④	⑤	⑥	⑦		③				⑧		⑪					②	⑨
Condenser fan (side) does not operate		⑩		①	④	⑤	⑥	⑦			③				⑧		⑪				②	⑨
Air conditioner blower does not operate	⑦			①								③						④	⑤	⑧	②	⑥

NOTE
Number in circle indicates inspection sequence.

24-7 Front Type [Refer to P. 4-122, 123]

Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse 10A	Power relay	Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Magnet clutch	Wiring harness and connector connection	Earth
Magnet clutch does not operate	⑨	①	③	④	⑤	⑥	⑦	⑩	②	⑧

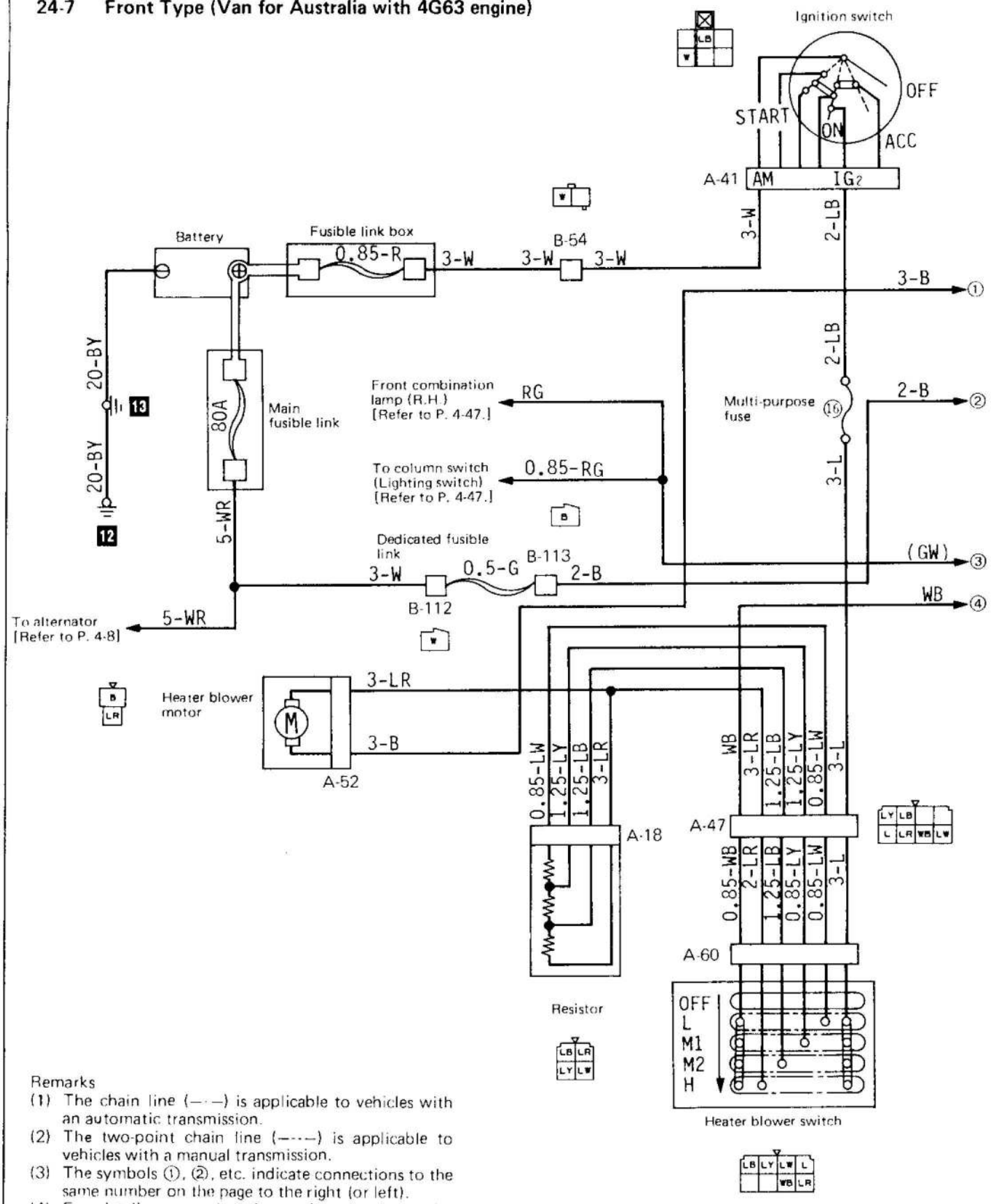
NOTE
Number in circle indicates inspection sequence.

24-8 Front Type [Refer to P. 4-124, 125]

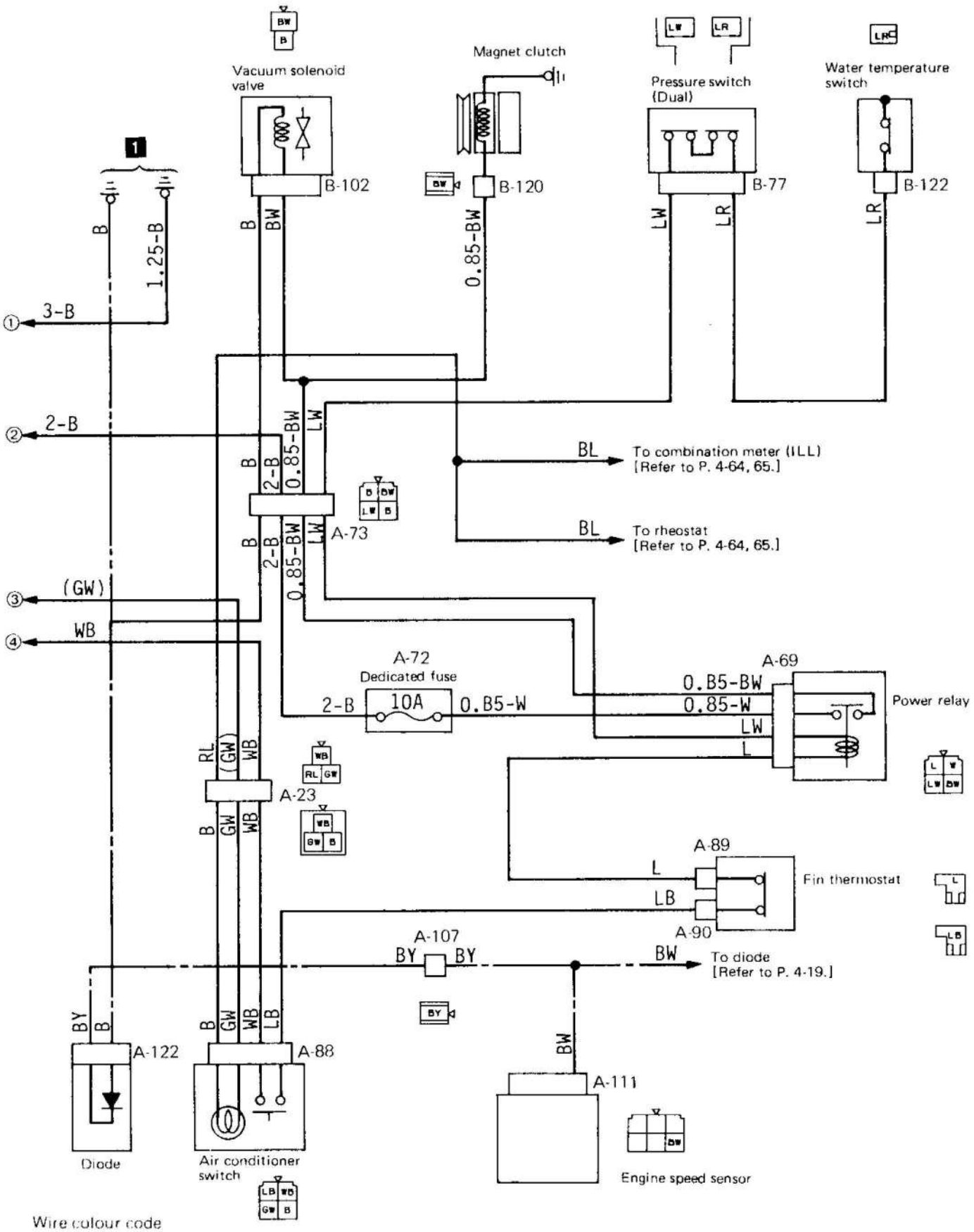
Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse 10A	Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Power relay A	Power relay B	M.P.I. control unit	Magnet clutch	Wiring harness and connector connection	Earth
Magnet clutch does not operate	⑩	①	⑤	⑥	⑦	⑧	③	④	⑪	⑫	②	⑨

NOTE
Number in circle indicates inspection sequence.

24-7 Front Type (Van for Australia with 4G63 engine)



Remarks
(1) The chain line (— · —) is applicable to vehicles with an automatic transmission.
(2) The two-point chain line (— · · —) is applicable to vehicles with a manual transmission.
(3) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(4) For details concerning the earth point (example: 12), refer to P. 3-11.

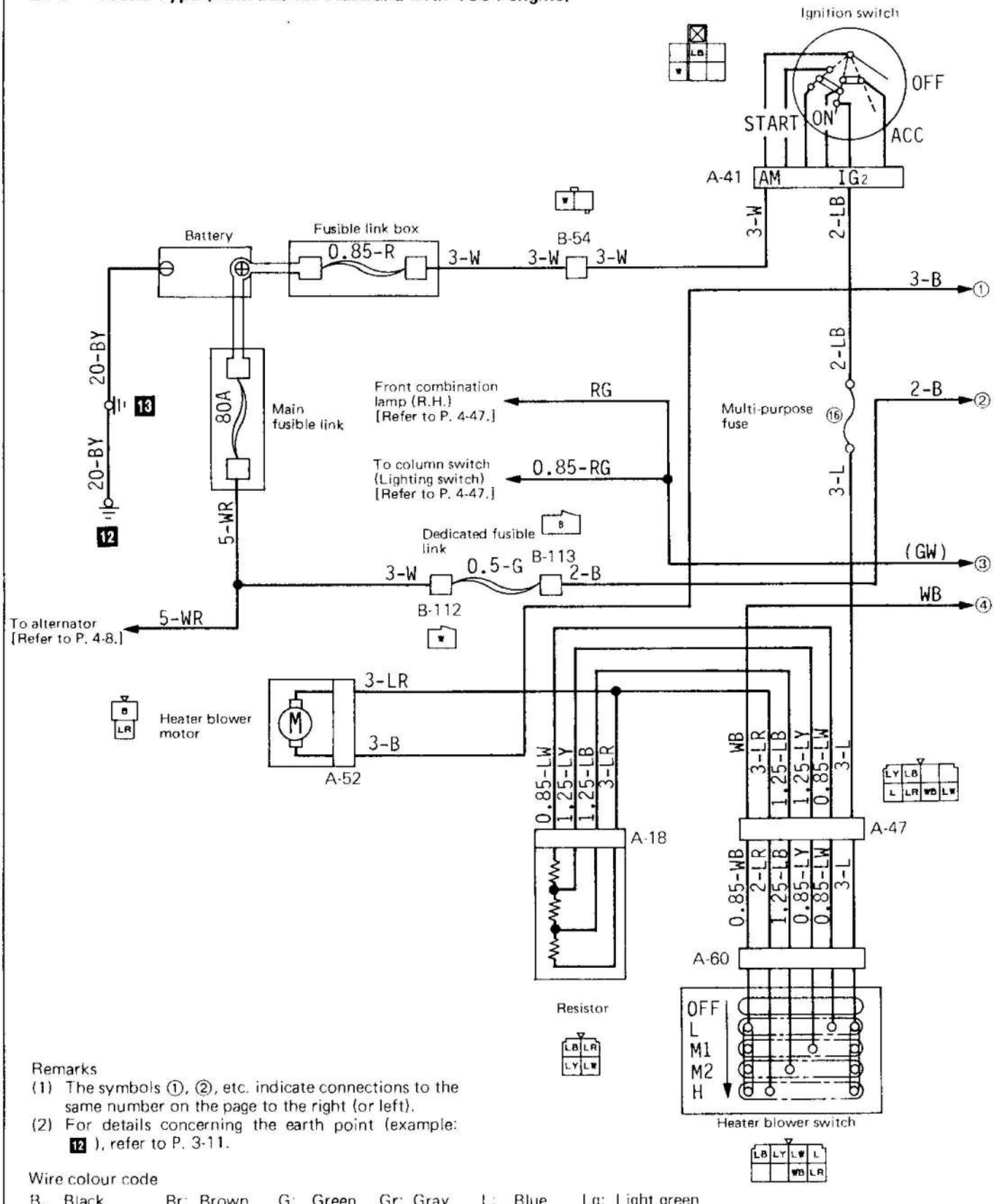


Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0090

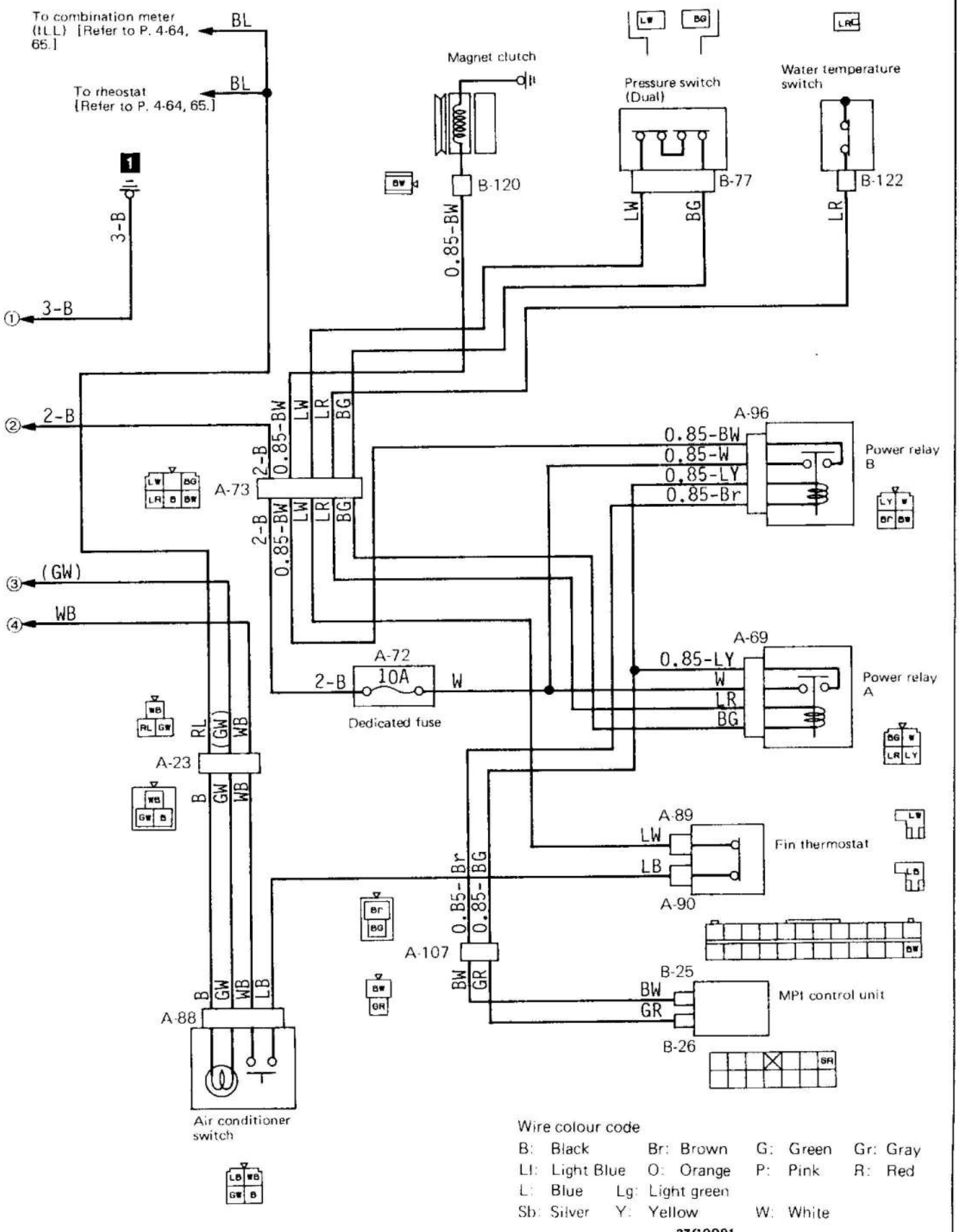
24-8 Front Type (Mini bus for Australia with 4G64 engine)



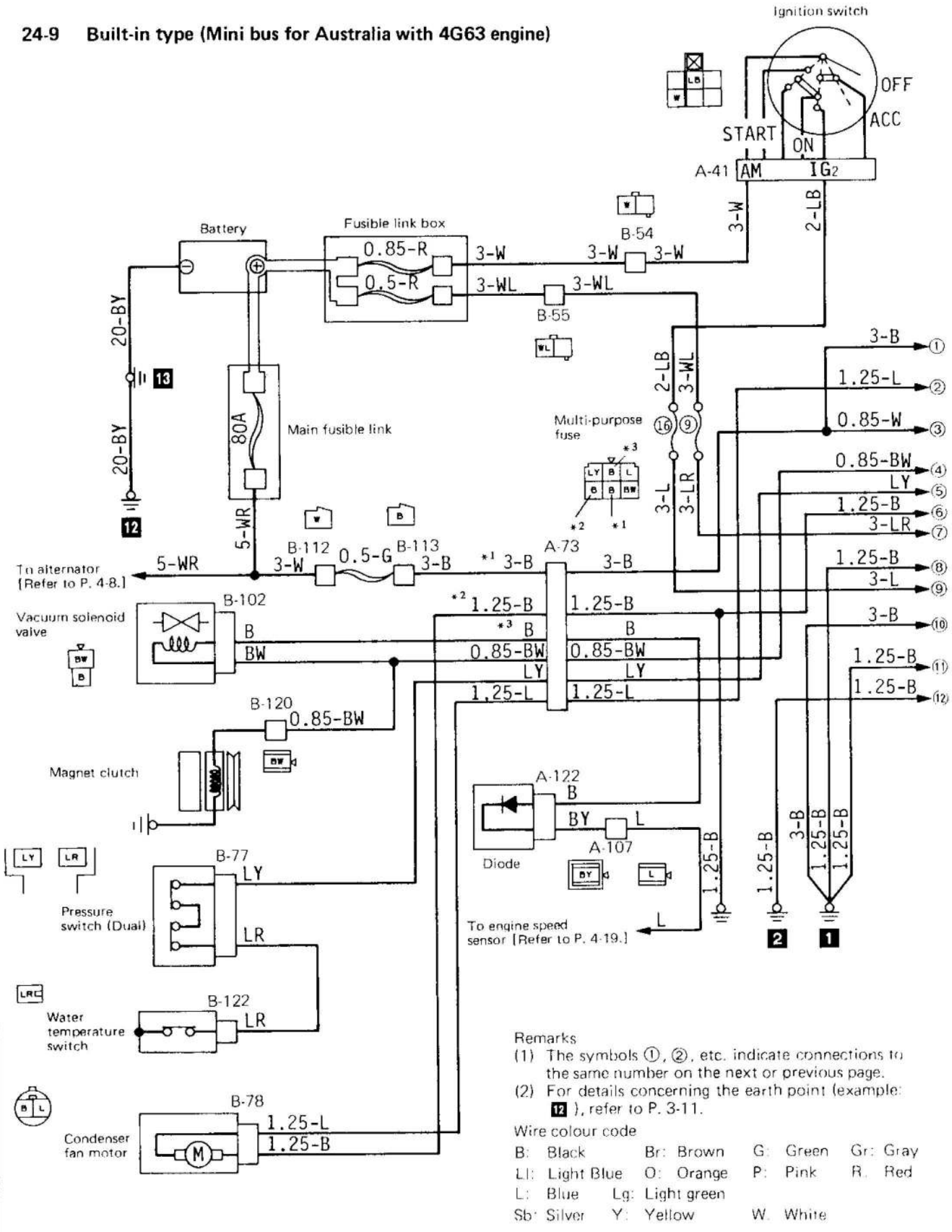
Remarks
(1) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				


To combination meter (ILL) [Refer to P. 4-64, 65.]
BL
To rheostat [Refer to P. 4-64, 65.]
BL
1
3-B
3-B
Magnet clutch
B-120
0.85-BW
Pressure switch (Dual)
B-77
LW
BG
Water temperature switch
B-122
LR
2-B
2-B
A-73
0.85-BW
LW
LR
BG
A-96
0.85-BW
0.85-W
0.85-LY
0.85-Br
Power relay B
(GW)
WB
A-72
2-B
10A
W
Dedicated fuse
A-69
0.85-LY
W
LR
BG
Power relay A
RL
(GW)
WB
A-23
B
GW
WB
A-89
LW
LB
Fin thermostat
A-90
Br
BG
0.85-
0.85-
A-107
BW
GR
B-25
BW
GR
MPI control unit
B-26
B
GW
WB
LB
A-88
Air conditioner switch
Wire colour code
B: Black
Br: Brown
G: Green
Gr: Gray
Lt: Light Blue
O: Orange
P: Pink
R: Red
L: Blue
Lg: Light green
Sb: Silver
Y: Yellow
W: White
37G0091

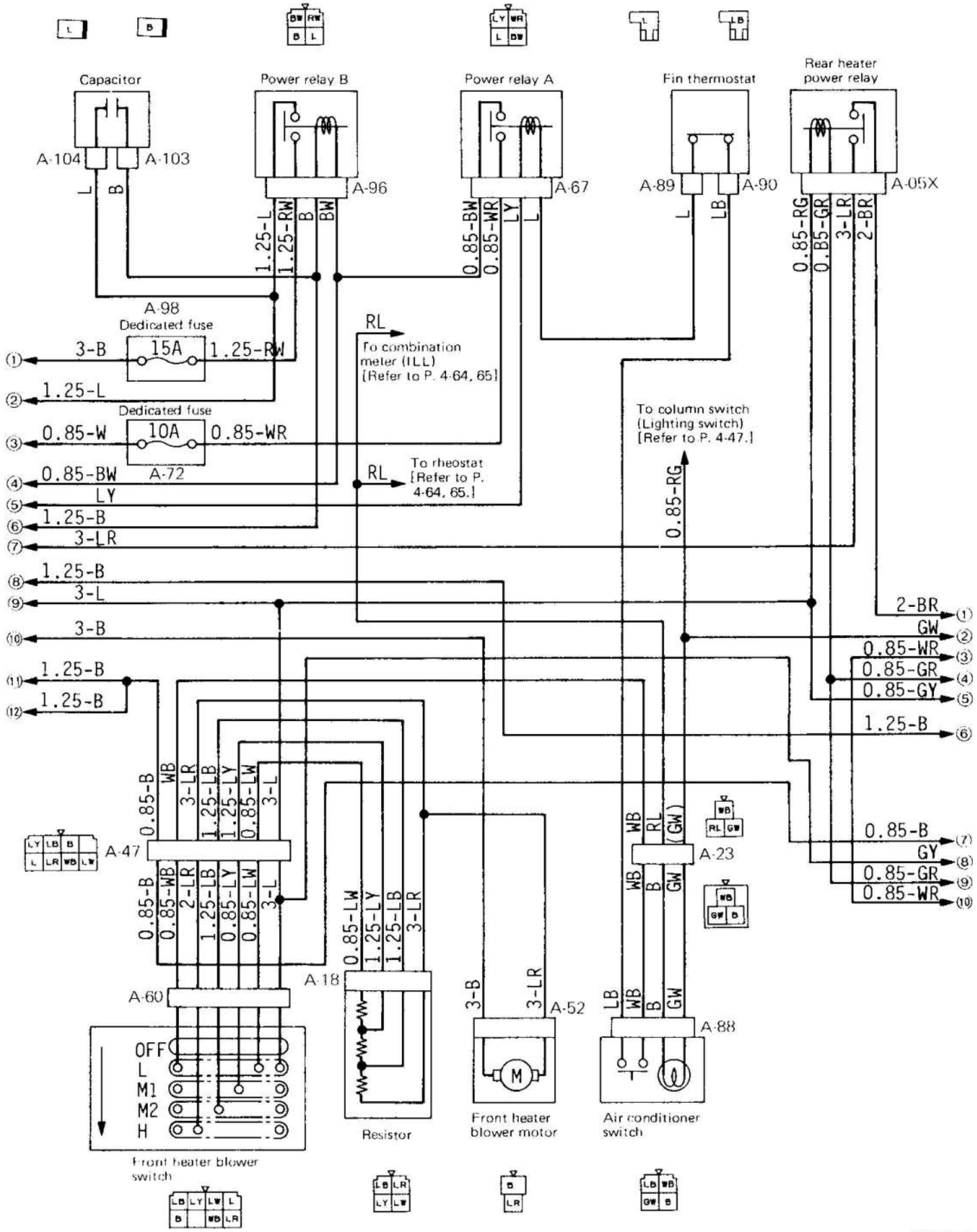
24-9 Built-in type (Mini bus for Australia with 4G63 engine)

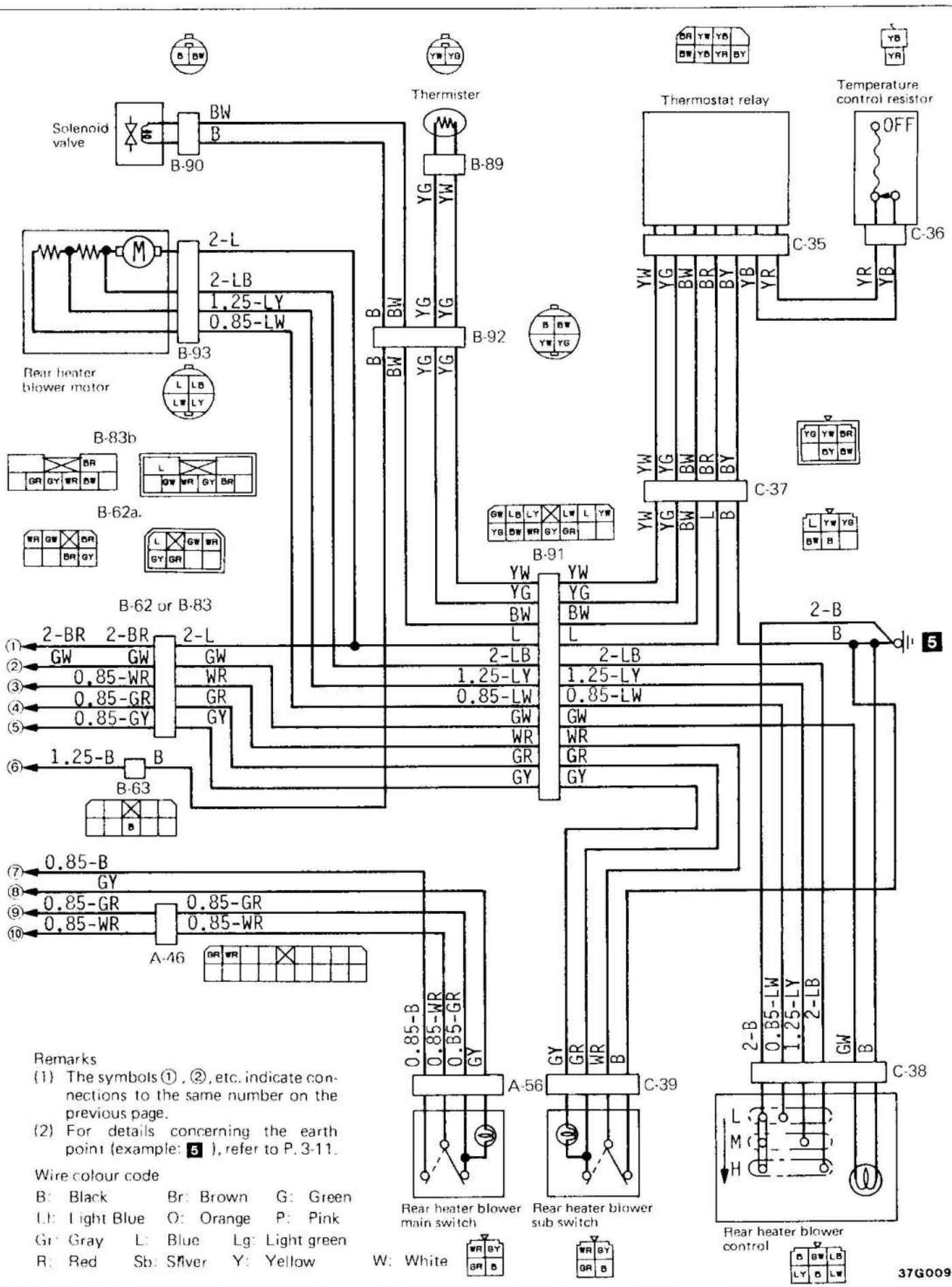


Remarks
(1) The symbols ①, ②, etc. indicate connections to the same number on the next or previous page.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray
Ll:	Light Blue	O:	Orange	P:	Pink	R:	Red
L:	Blue	Lg:	Light green				
Sb:	Silver	Y:	Yellow	W:	White		


Capacitor
Power relay B
Power relay A
Fin thermostat
Rear heater power relay
A-104
A-103
A-96
A-67
A-89
A-90
A-05X
A-98
Dedicated fuse
15A
10A
A-72
RL
To combination meter (ILL) [Refer to P. 4-64, 65]
To rheostat [Refer to P. 4-64, 65.]
To column switch (Lighting switch) [Refer to P. 4-47.]
A-47
A-60
A-18
A-52
A-23
A-88
OFF
L
M1
M2
H
Front heater blower switch
Resistor
Front heater blower motor
Air conditioner switch
37GO114



Remarks

(1) The symbols ①, ②, etc. indicate connections to the same number on the previous page.

(2) For details concerning the earth point (example: 5), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Lb:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

37G0094

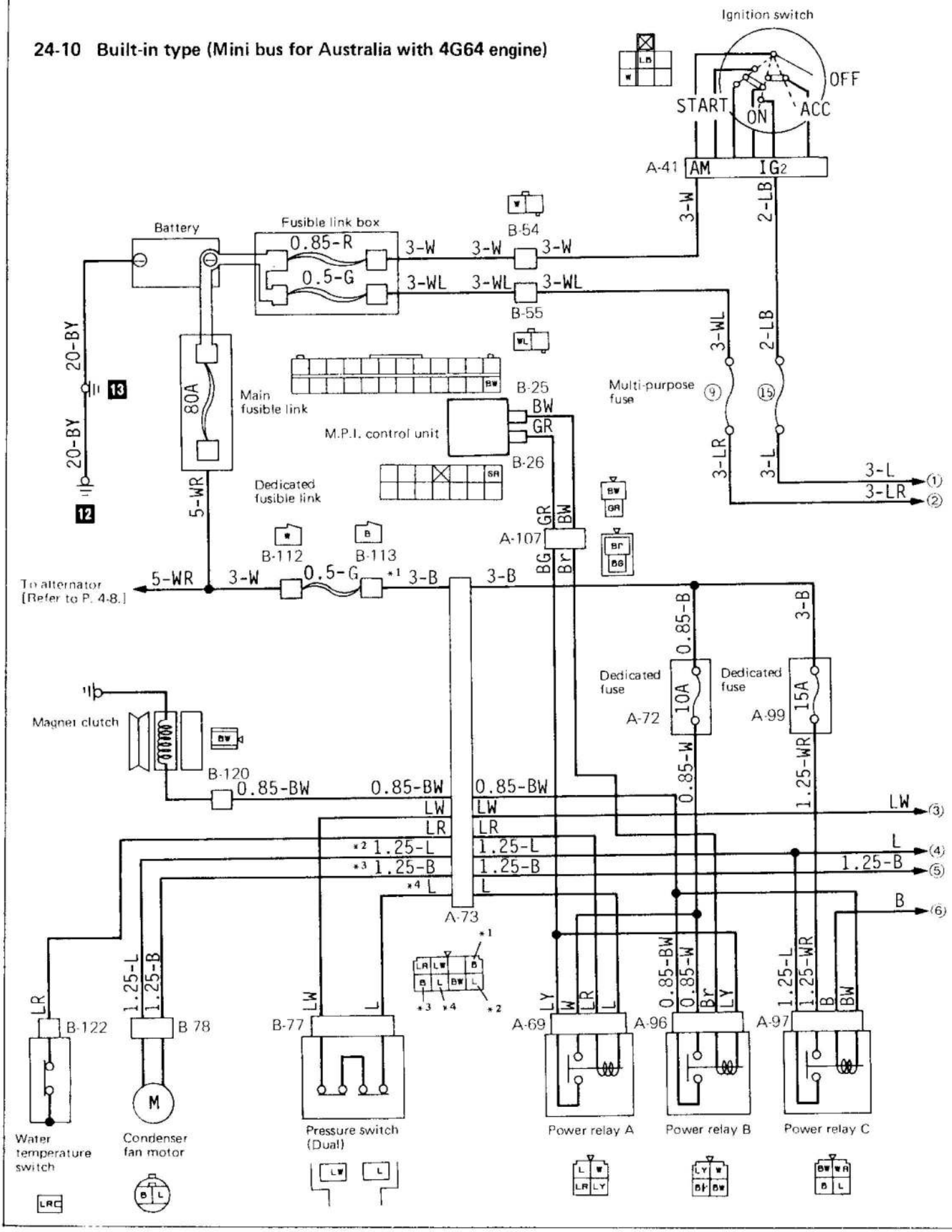
TROUBLESHOOTING

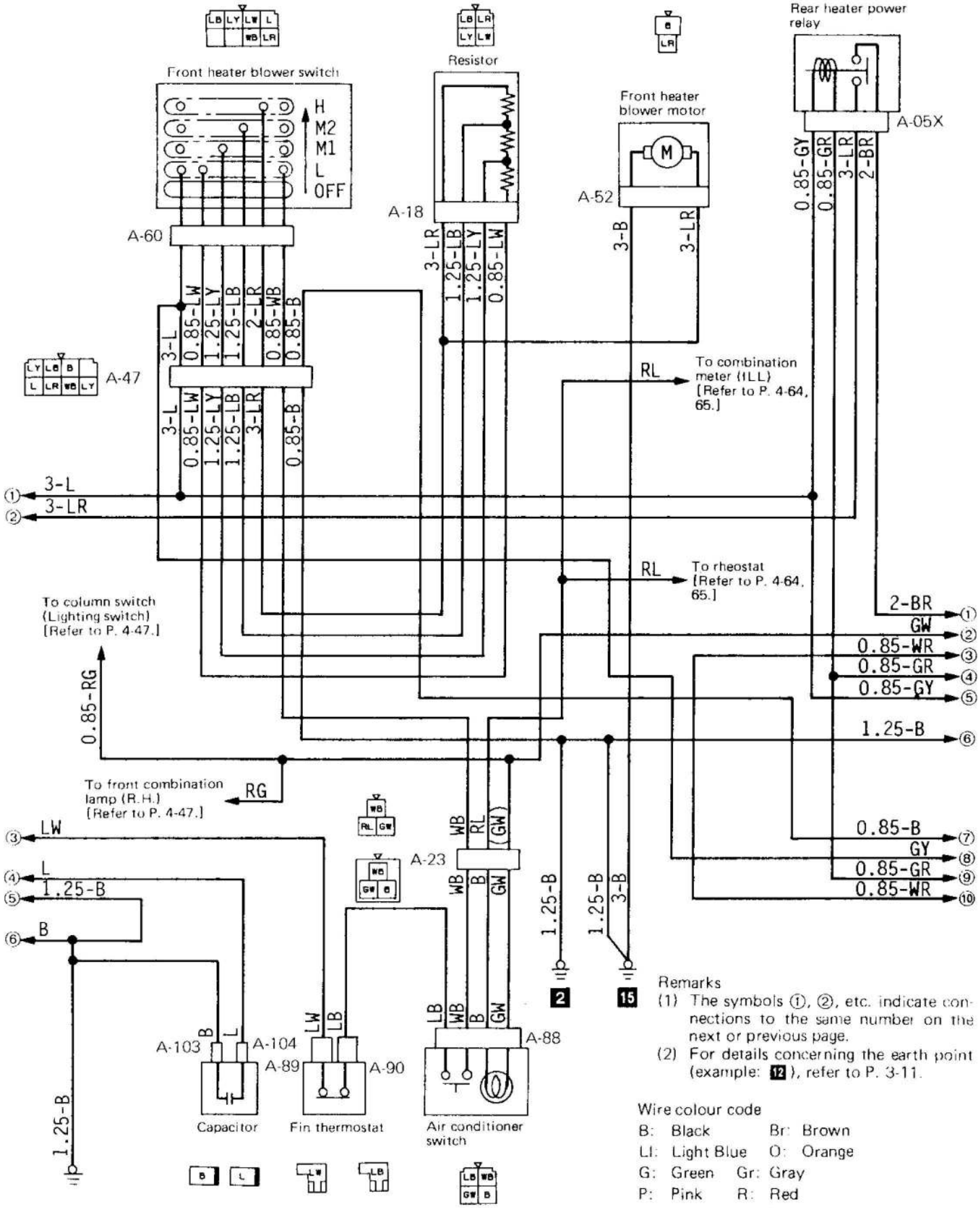
24-9 Built-in Type [Refer to P. 4-126 to 128]

Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse		Power relay		Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Magnet clutch	Capacitor	Condenser fan motor	Wiring harness and connector connection	Earth
		10A	15A	A	B									
Magnet clutch does not operate	⑨	①		③		④	⑤	⑥	⑦	⑩			②	⑧
Condenser fan does not operate	⑨		①		③	④	⑤	⑥			⑦	⑩	②	⑧

NOTE
Number in circle indicates inspection sequence.

24-10 Built-in type (Mini bus for Australia with 4G64 engine)





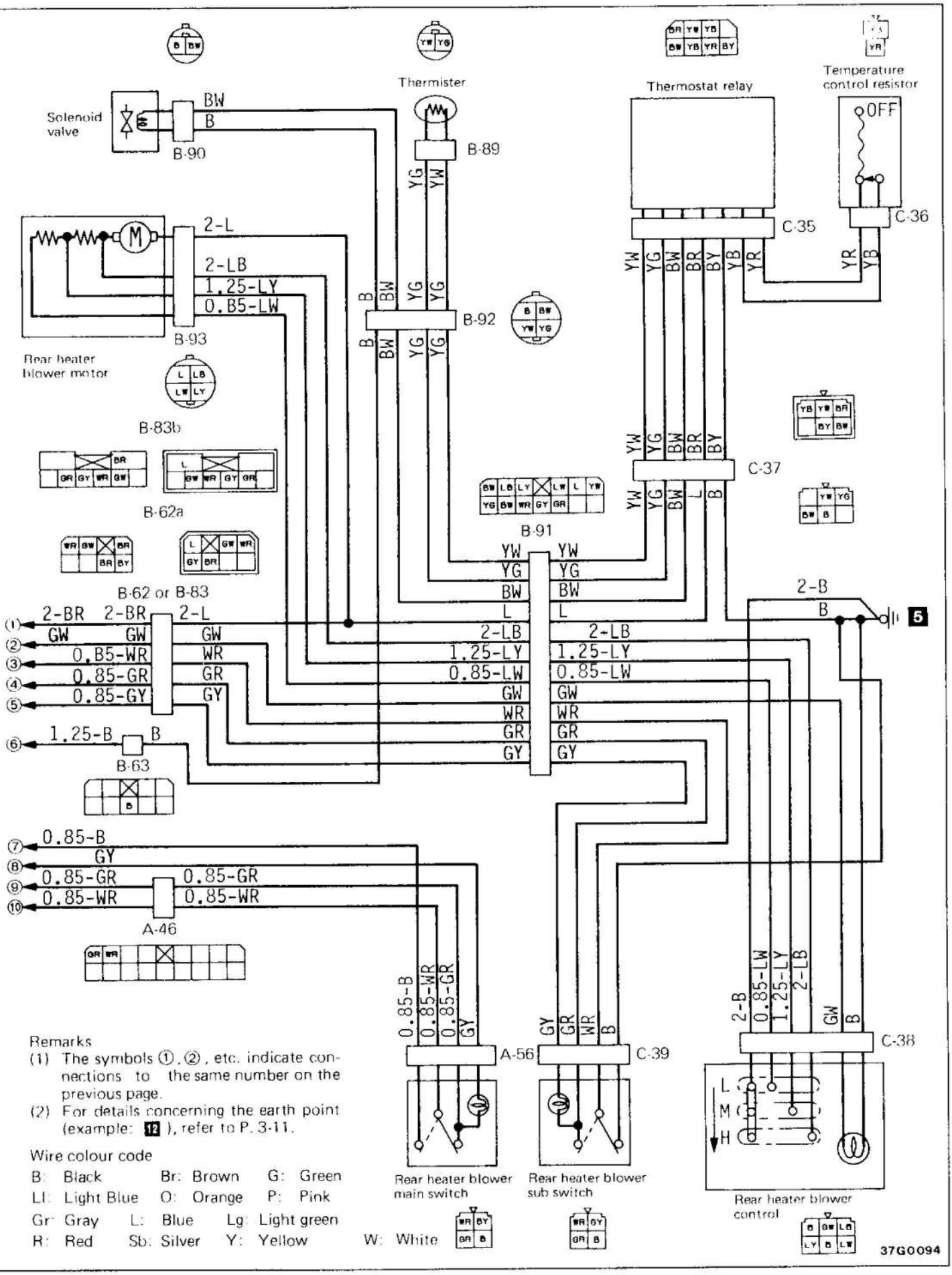
Remarks
(1) The symbols ①, ②, etc. indicate connections to the same number on the next or previous page.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown
Ll:	Light Blue	O:	Orange
G:	Green	Gr:	Gray
P:	Pink	R:	Red
L:	Blue	Lg:	Light green
Sb:	Silver	Y:	Yellow

W: White

37G0112



Remarks

(1) The symbols ①, ②, etc. indicate connections to the same number on the previous page.

(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green
Ll:	Light Blue	O:	Orange	P:	Pink
Gr:	Gray	L:	Blue	Lg:	Light green
R:	Red	Sb:	Silver	Y:	Yellow
W:	White				

TROUBLESHOOTING

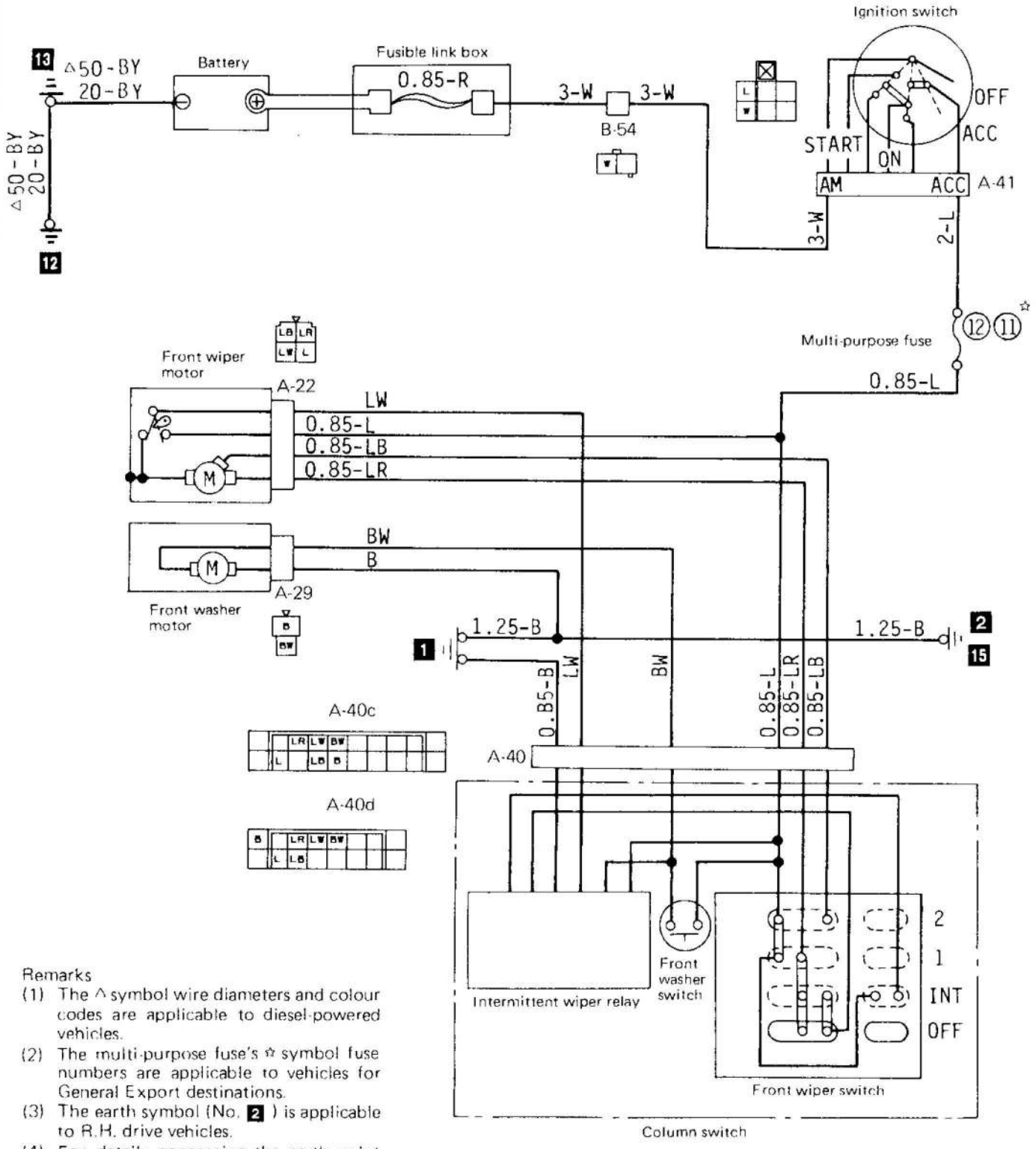
24-10 Built-in Type [Refer to P. 4-130 to 132]

Inspection items / Symptom	Dedicated fusible link 0.5-G	Dedicated fuse		Air conditioner switch	Fin thermostat	Pressure switch	Water temperature switch	Power relay			M.P.I. control unit	Magnet clutch	Capacitor	Condenser fan motor	Wiring harness and connector connection	Earth
		10A	15A					A	B	C						
Magnet clutch does not operate	⑩	①		⑤	⑥	⑦	⑧	③	④		⑪	⑫			②	⑨
Condenser fan does not operate	⑪	①	②	⑦	⑧	⑦	⑧	④	⑤	⑥			⑨	⑫	③	⑩

NOTE
Number in circle indicates inspection sequence.

25 WIPER AND WASHER CIRCUIT

25-1 Vehicles not equipped with rear wiper



Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.

(2) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to vehicles for General Export destinations.

(3) The earth symbol (No. 2) is applicable to R.H. drive vehicles.

(4) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0098

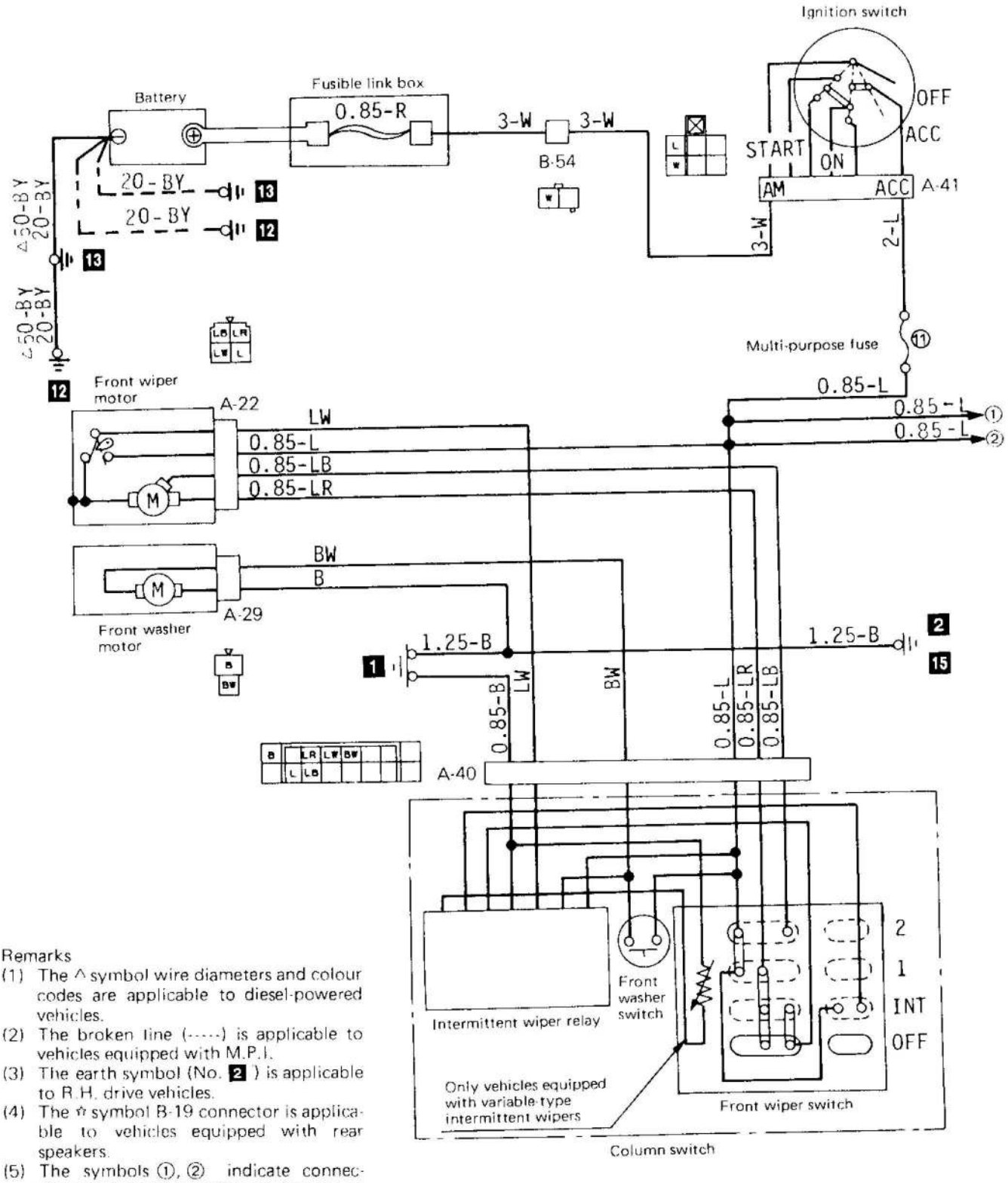
TROUBLESHOOTING

25 WIPER AND WASHER CIRCUIT [Refer to P. 4-134, 136 to 139]

Inspection items / Symptom	Multi-purpose fuse		Front	Rear	Front	Rear					Other inspection items
	Fuse No. 11*	Fuse No. 12	Column switch (unified with wiper washer switch)	Rear wiper switch	Column switch (unified with intermittent wiper relay)	Rear intermittent relay	Wiper motor	Washer motor	Wiring harness and connector connection	Earth	
Wiper does not operate	①		④				⑤		②	③	• Wiper linkage • Wiper arm
Wiper continues to operate			①				②		③		
Wiper does not stop at the correct position							①				• Wiper arm
Wiper does not operate at intervals					①						
Washer does not operate	①		④					⑤	②	③	• Washer nozzel • Washer tube

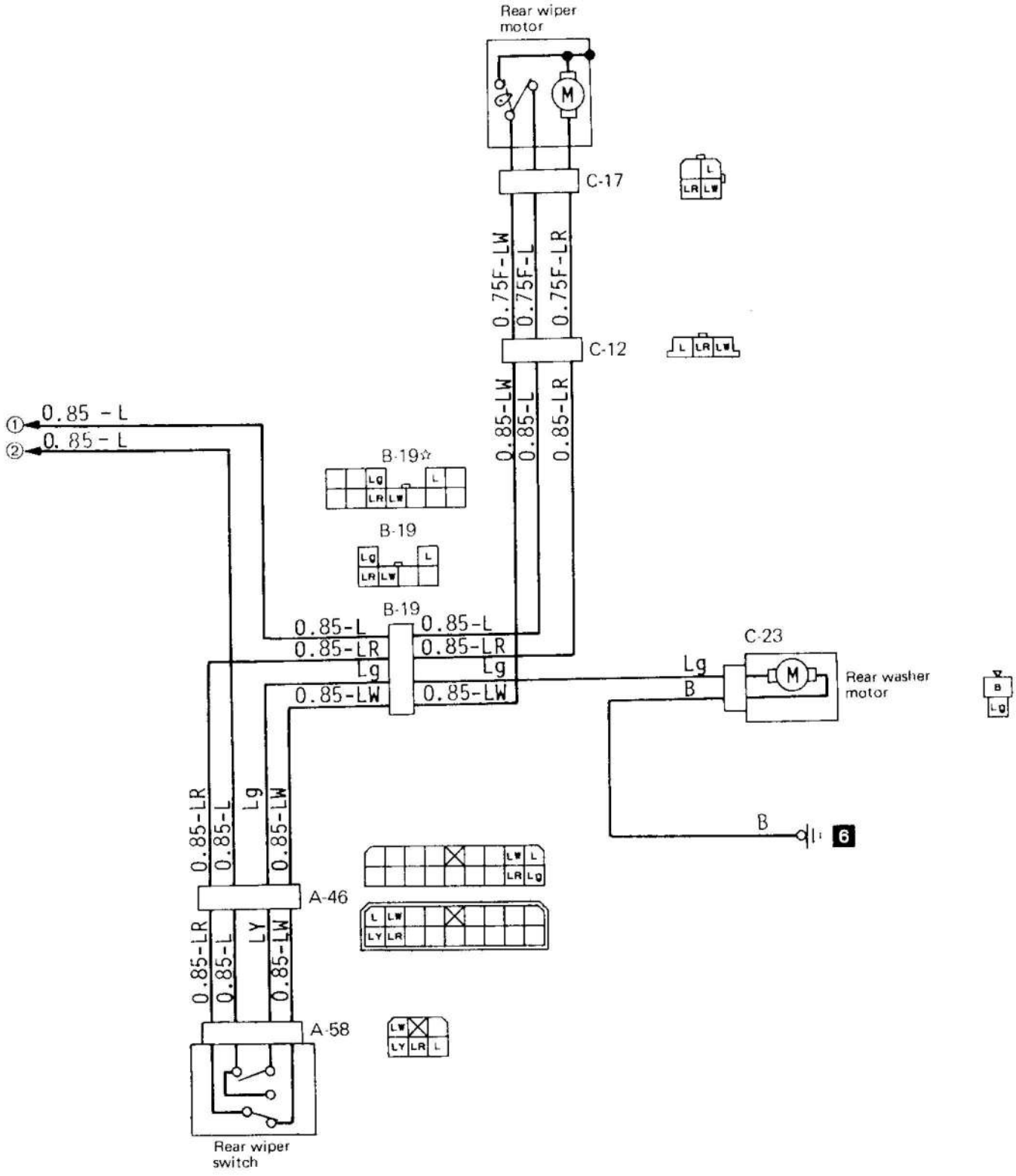
NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

25-2 Vehicles equipped with rear wiper



Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The broken line (-----) is applicable to vehicles equipped with M.P.I.
(3) The earth symbol (No. 2) is applicable to R.H. drive vehicles.
(4) The ☆ symbol B-19 connector is applicable to vehicles equipped with rear speakers.
(5) The symbols ①, ② indicate connections to the same number on the page to the right (or left).
(Thus, ① on the right page is connected to ① on the left page.)
(6) For details concerning the earth point (example: 12), refer to P. 3-11.

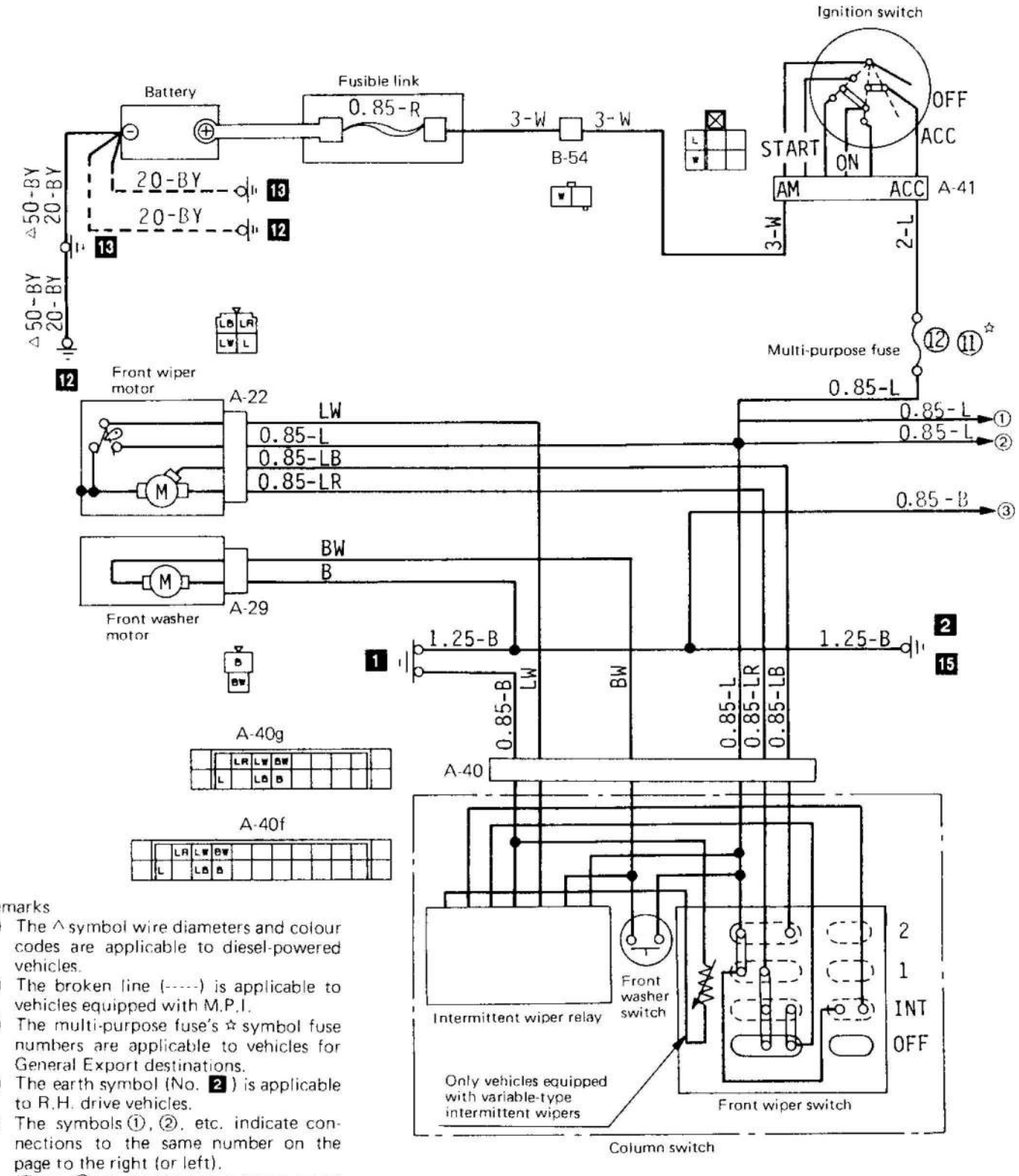


37G0100

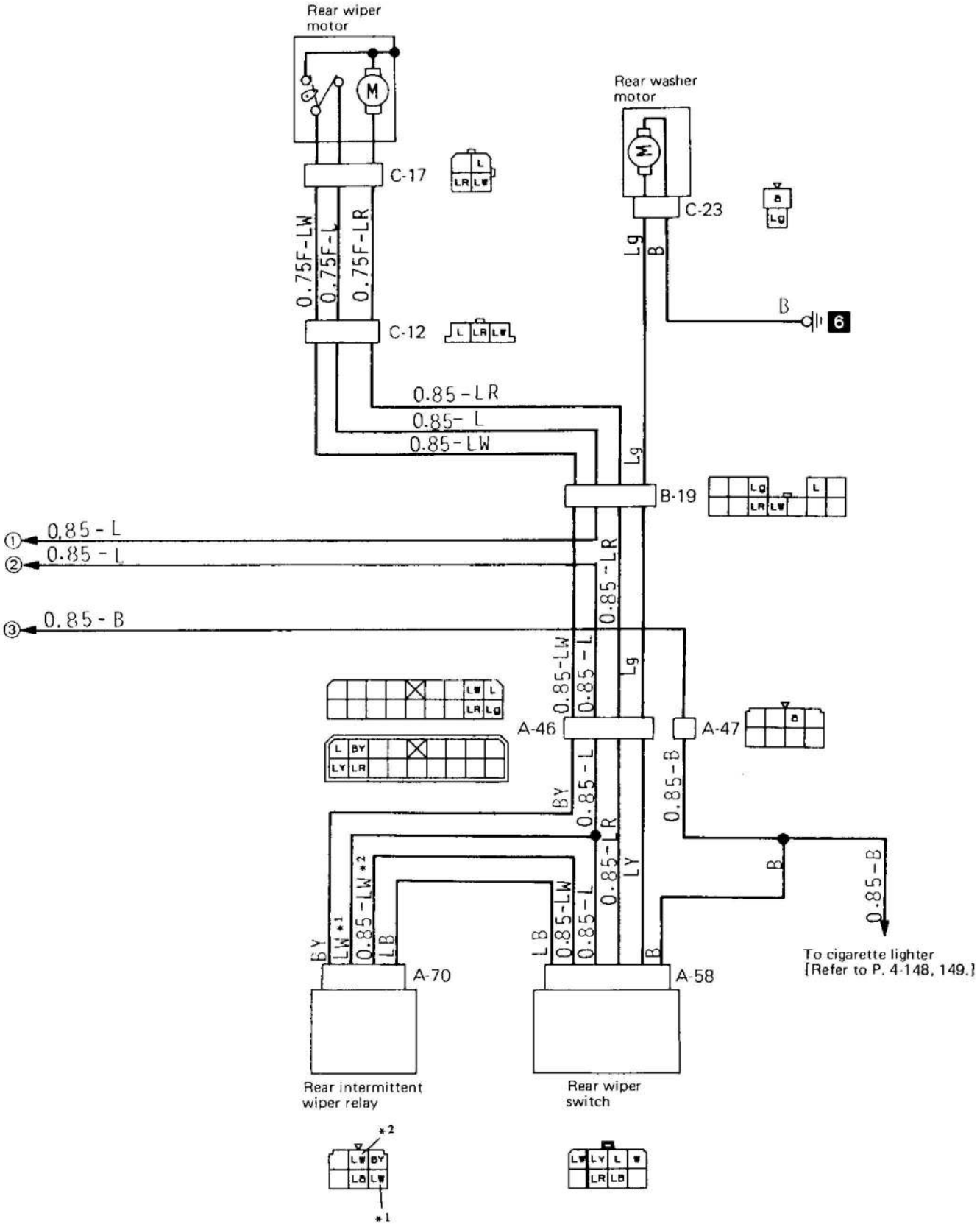
Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

25-3 Vehicles equipped with intermittent rear wiper



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The broken line (-----) is applicable to vehicles equipped with M.P.I.
(3) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to vehicles for General Export destinations.
(4) The earth symbol (No. 2) is applicable to R.H. drive vehicles.
(5) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(Thus, ① on the right page is connected to ① on the left page.)
(6) For details concerning the earth point (example: 12), refer to P. 3-11.

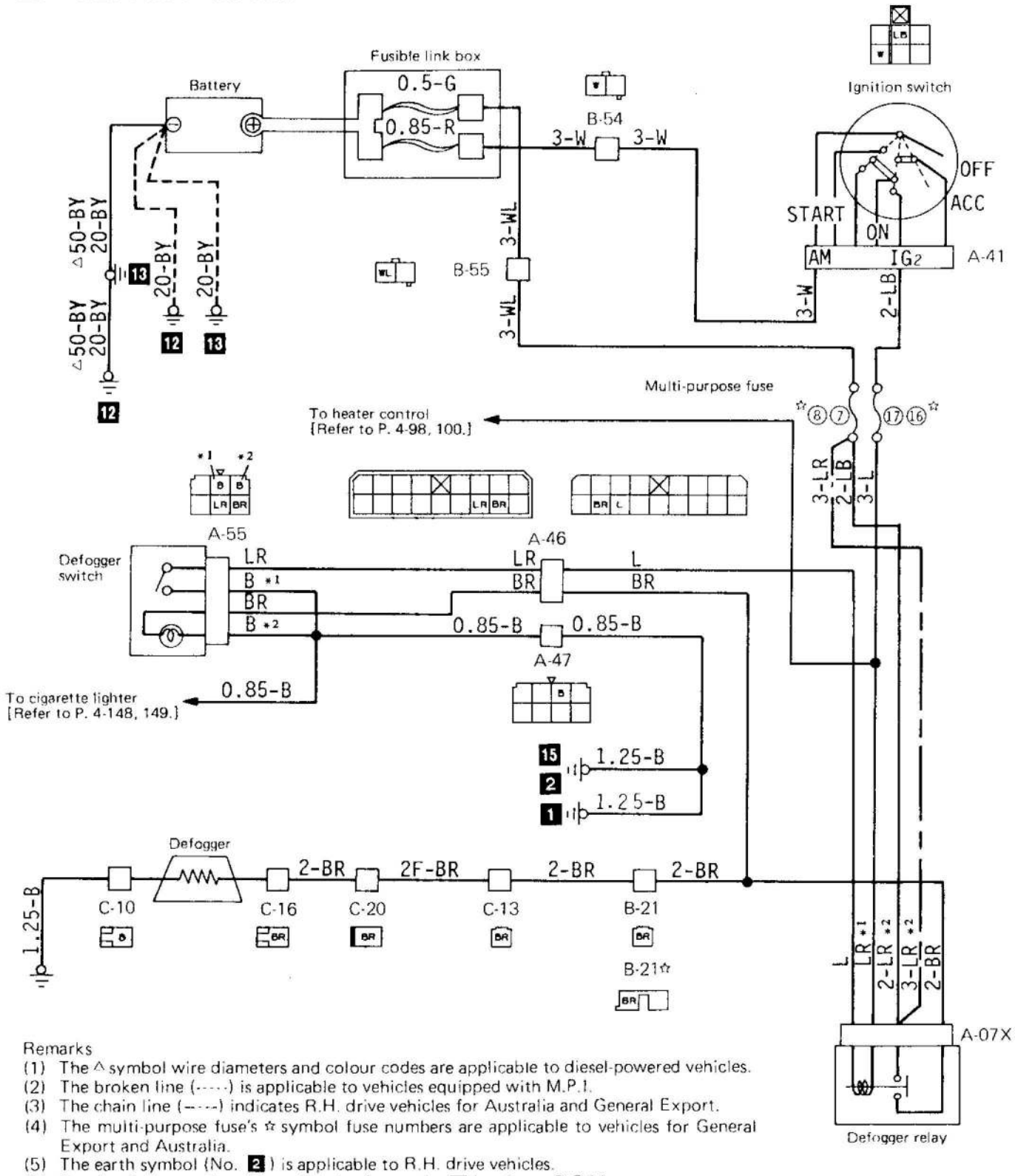


Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0099

26 DEFOGGER CIRCUIT



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(3) The chain line (— · — ·) indicates R.H. drive vehicles for Australia and General Export.
(4) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to vehicles for General Export and Australia.
(5) The earth symbol (No. 2) is applicable to R.H. drive vehicles.
(6) For details concerning the earth point (example: 12), refer to P. 3-11.
(7) The ☆ symbol B-21 connector is applicable to vehicles equipped with rear room lamp and spot lamp.

37G0110

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

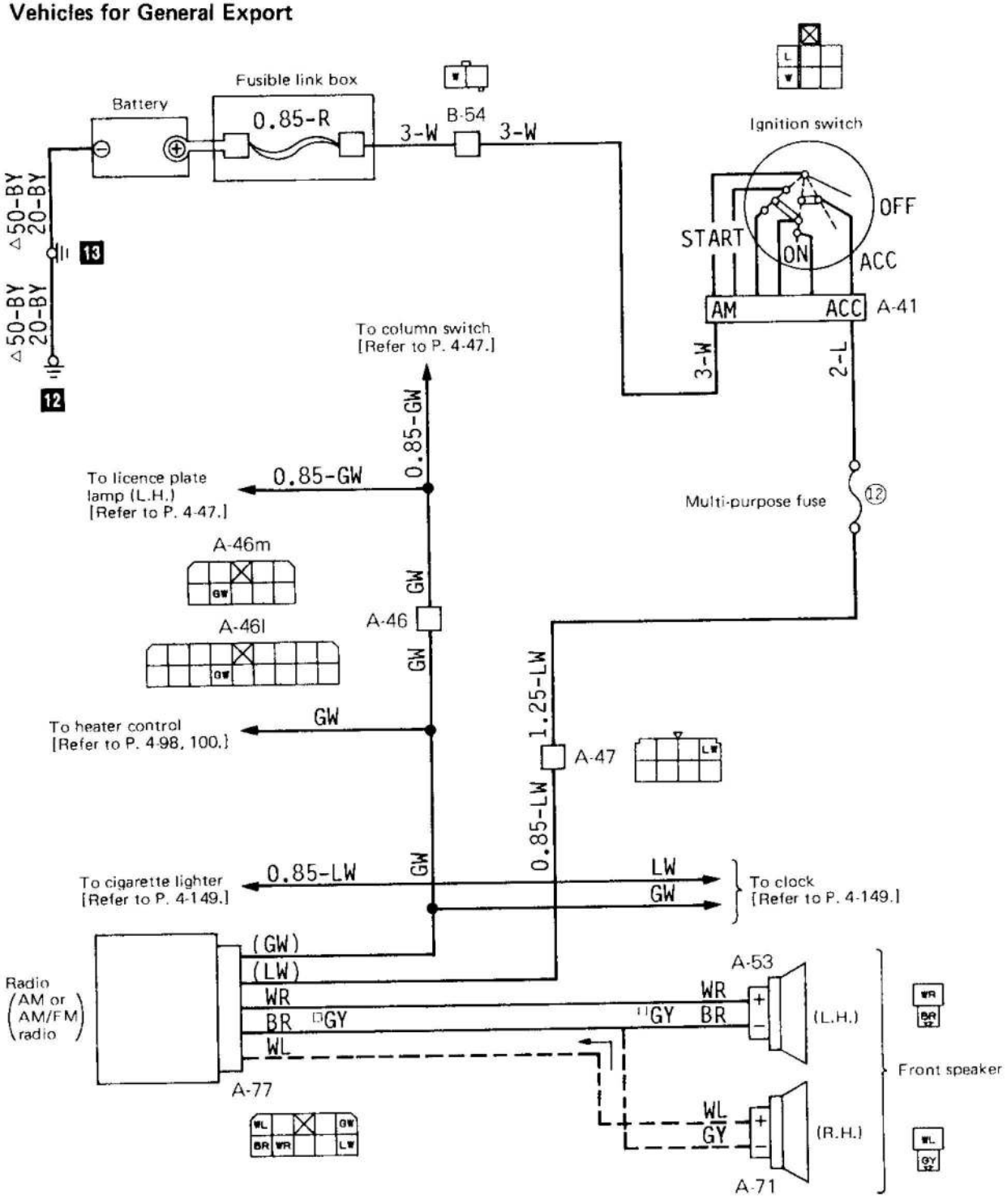
TROUBLESHOOTING

Inspection items / Symptom	Fusible link 0.5-G	Multi-purpose fuse				Defogger relay	Defogger switch	Indicator bulb	Printed heater line	Wiring harness and connector connection	Earth
		Fuse No. 7	Fuse No. 8*	Fuse No. 16*	Fuse No. 17						
Defogger does not operate (Indicator lamp also does not illuminate)	⑥	①				④	⑤		⑦	③	②
Defogger does not operate (Indicator lamp illuminates)									③	②	①
Indicator lamp does not illuminate (Defogger operates)								①		③	②

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for General Export and Australia.

27 RADIO CIRCUIT

27-1 Vehicles for General Export



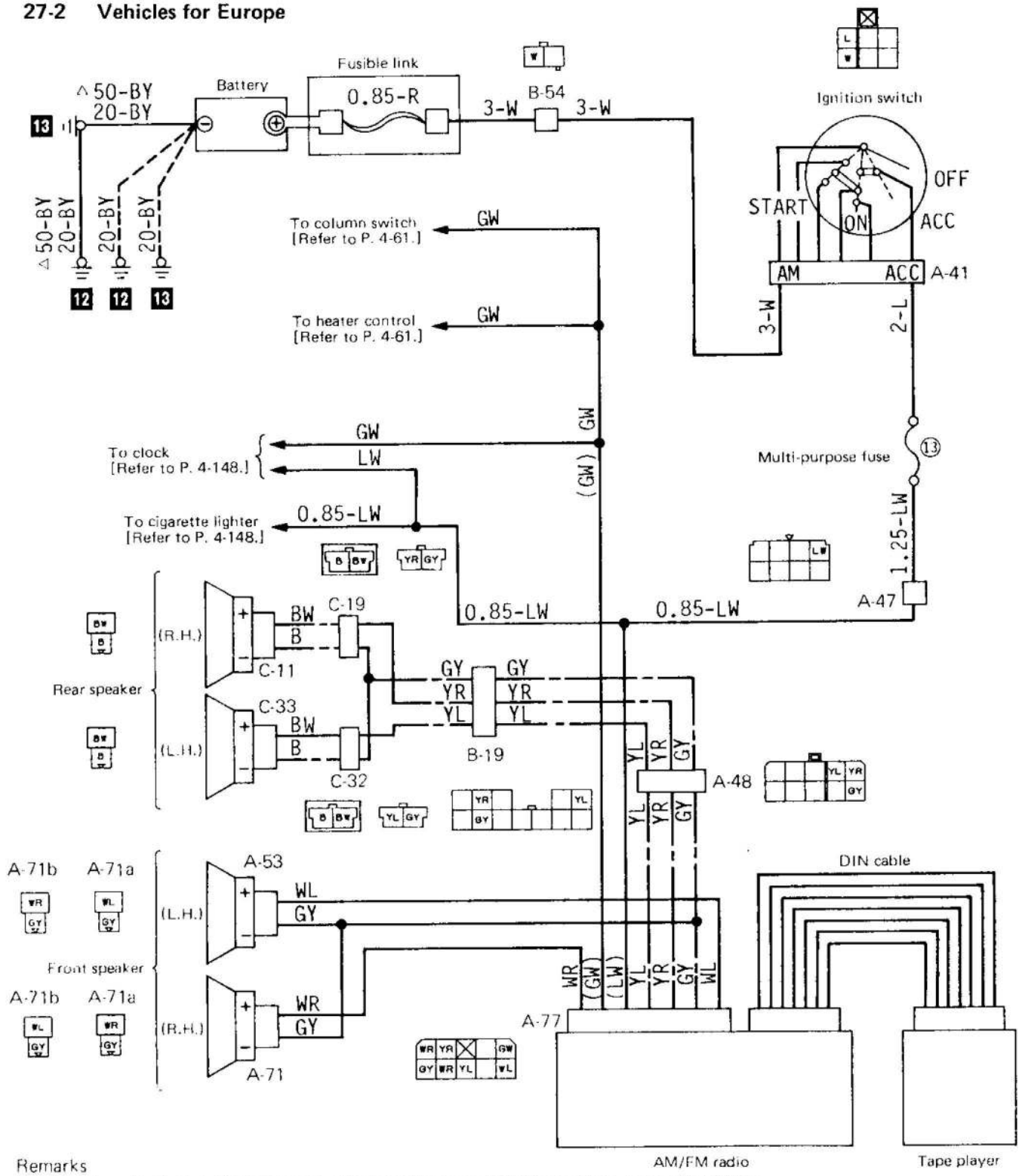
Remarks
(1) The □ symbol wire diameters and colour codes are applicable to vehicles equipped with the AM/FM radio.
(2) The broken line (- - - -) is applicable to vehicles equipped with the AM/FM radio.
(3) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(4) For details concerning the earth point (example: 12), refer to P. 3-11.

37G0085

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

27-2 Vehicles for Europe

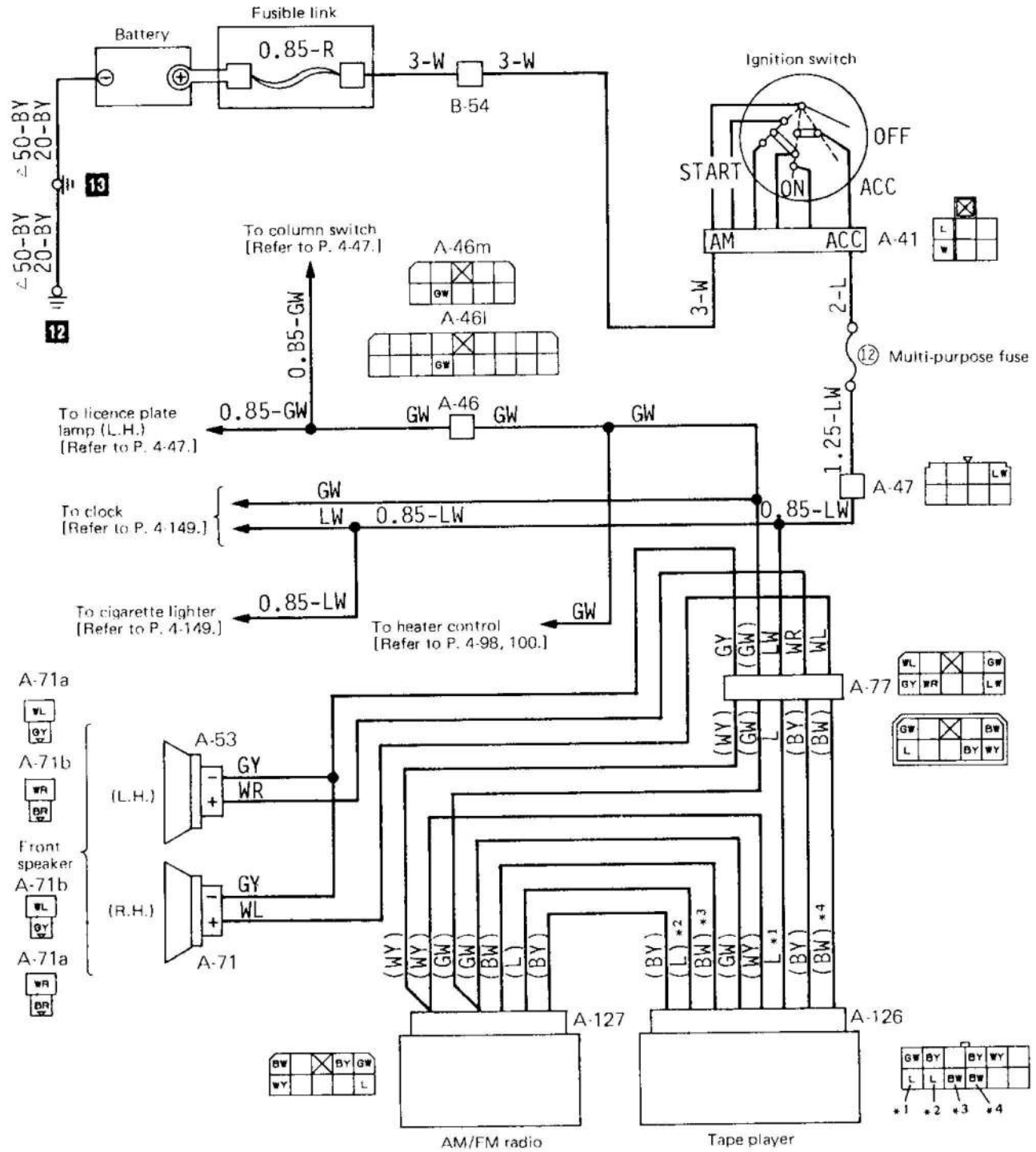


Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel powered vehicles.
(2) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(3) The chain line (— · —) is applicable to Mini bus.
(4) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White	37G0084		

27-3 Vehicles for General Export

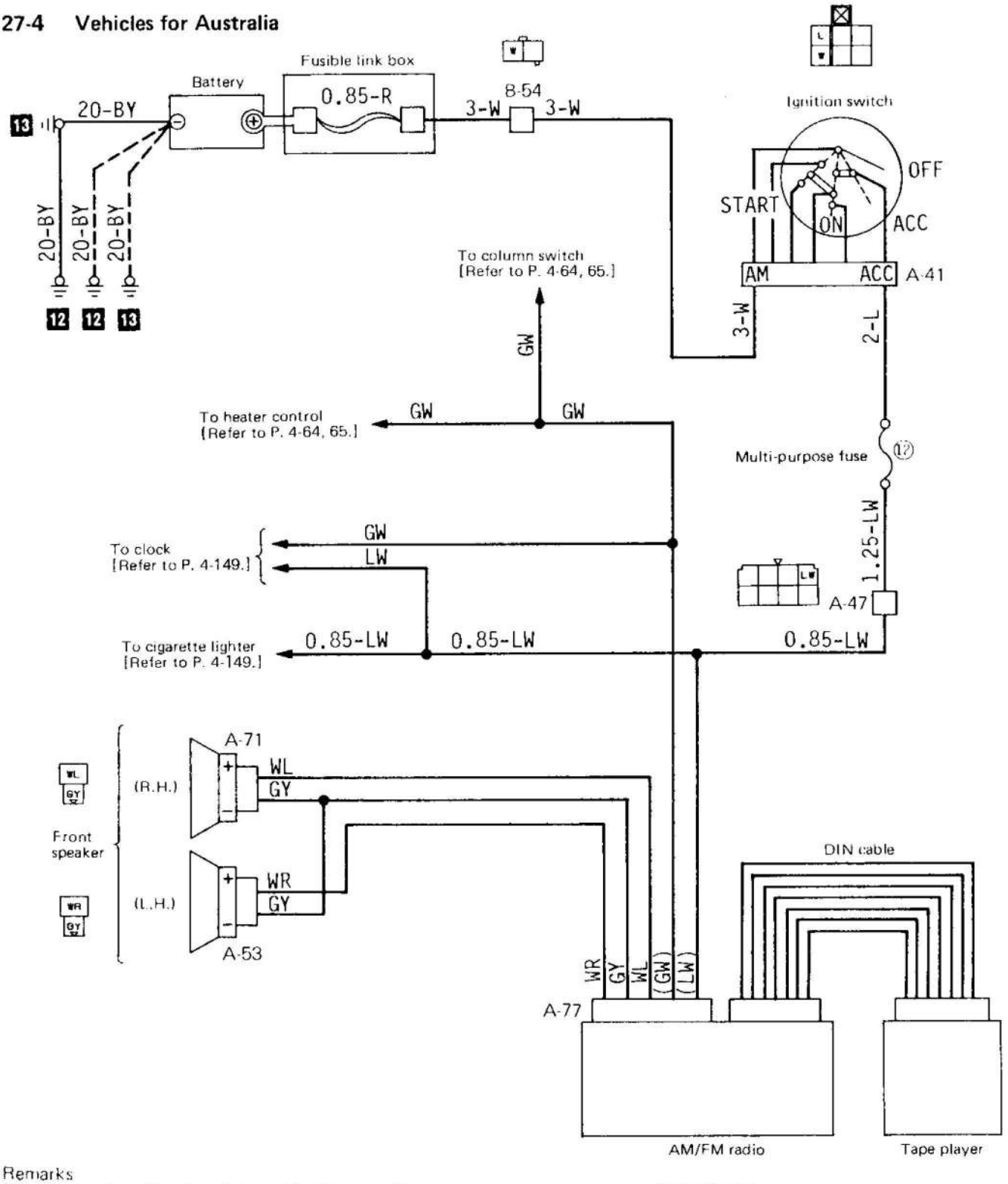


Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White	37G0083		

27-4 Vehicles for Australia



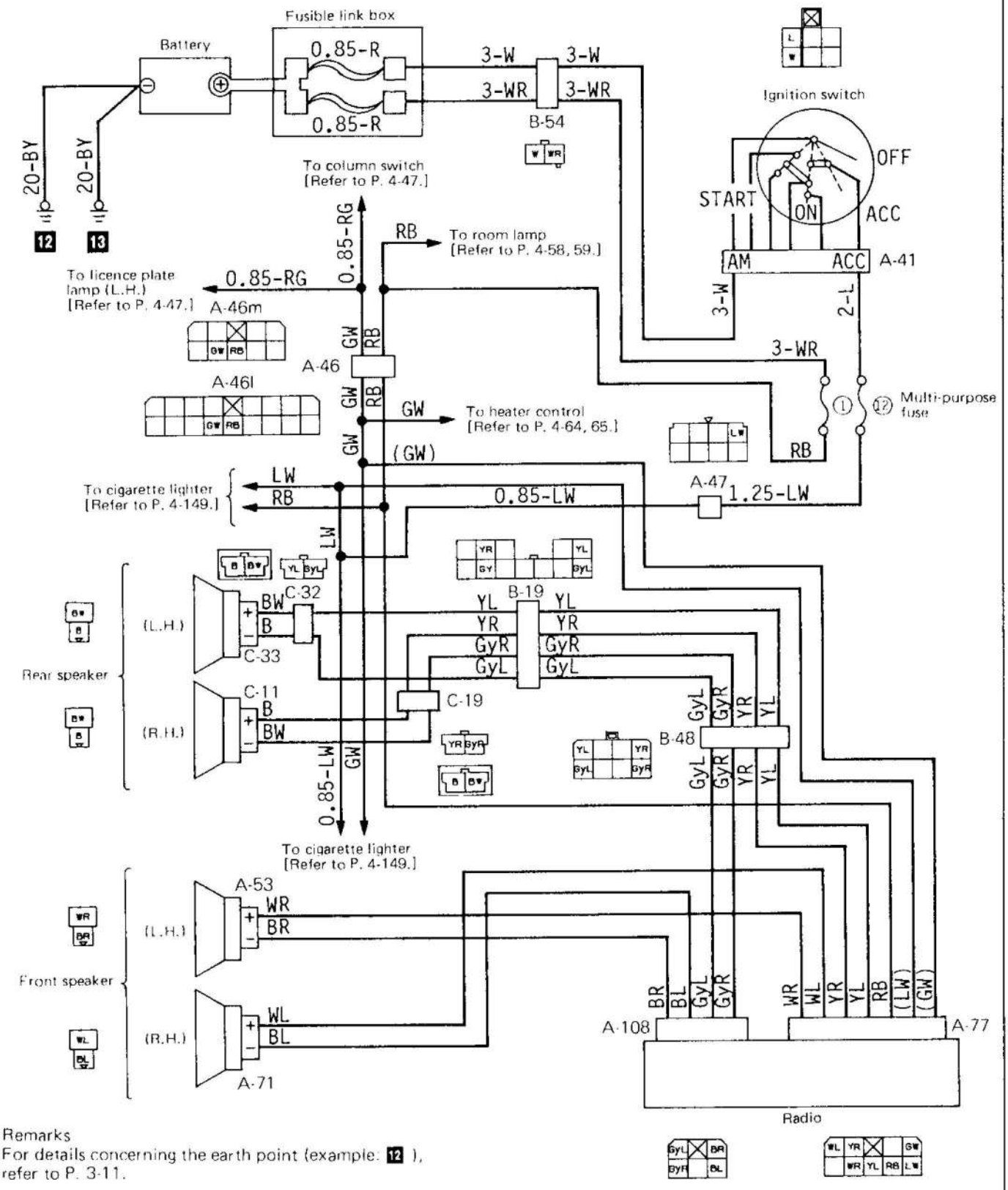
Remarks
(1) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B	Black	Br	Brown	G	Green	Gr	Gray	L	Blue	Lg	Light green
Lb	Light Blue	O	Orange	P	Pink	R	Red	Sb	Silver	Y	Yellow	W	White

37G0082

27-5 Vehicles for Australia



Remarks
For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

37G0086

TROUBLESHOOTING

27 RADIO CIRCUIT [Refer to P. 4-142 to 146]

Inspection items / Symptom	Multi-purpose fuse: Fuse No. 1*	Multi-purpose fuse: Fuse No. 12*, **	Multi-purpose fuse: Fuse No. 13***	Radio	Tape player	Audio	Speaker	Din cable*, ***	Antenna trimer	Antenna	Wiring harness and connector connection	Noise suppression parts
No sound at all	①			③	④	⑤		⑥			②	
No sound or little sound from speaker on one side				①	②	③	④				⑤	
Static noise only can be heard				①					②	③		④
Noise interference in reception and poor sound reproduction				①		②			③	④		⑤
Sound is distorted				①		②	③					

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles for Australia.
(3) The ** symbol indicates vehicles for General Export.
(4) The *** symbol indicates vehicles for Europe.

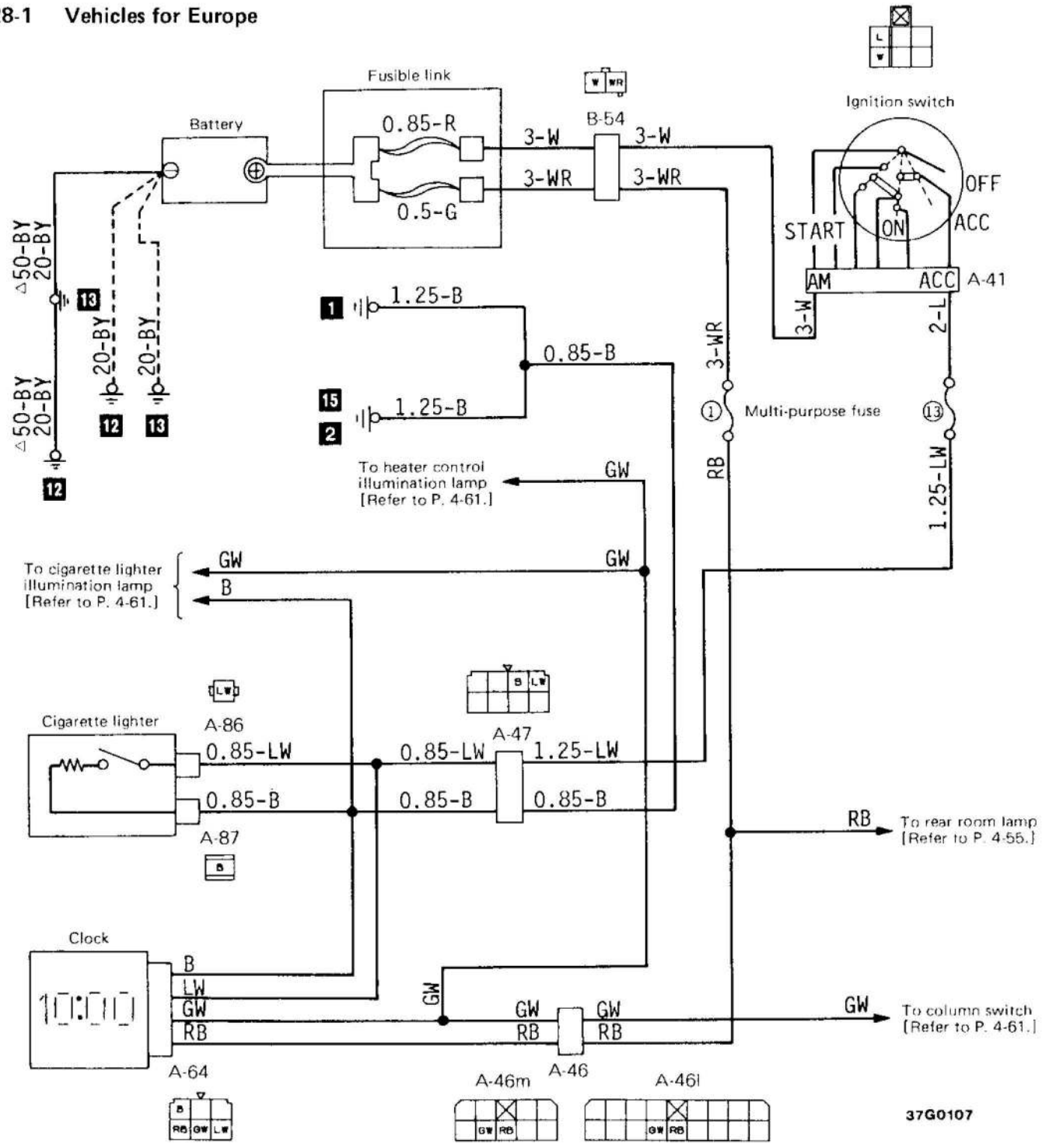
28 CIGARETTE LIGHTER AND CLOCK CIRCUIT [Refer to P. 4-148, 149]

Indication items / Symptom	Fusible link: 0.5-G	Fusible link: 0.85-R*	Multi-purpose fuse: Fuse No. 12**	Multi-purpose fuse: Fuse No. 13	Fuse No. 13***	Cigarette lighter	Clock	Wiring harness and connector connection	Earth
Cigarette lighter fails to operate			①		②	⑤		③	④
Cluck stopped	②		①				⑤	③	④

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates vehicles equipped with the 4-lamp type of headlamps.
(3) The ** symbol indicates vehicles for General Export and Australia.
(4) The *** symbol indicates vehicles equipped with rear cigarette lighter.

28 CIGARETTE LIGHTER AND CLOCK CIRCUIT

28-1 Vehicles for Europe

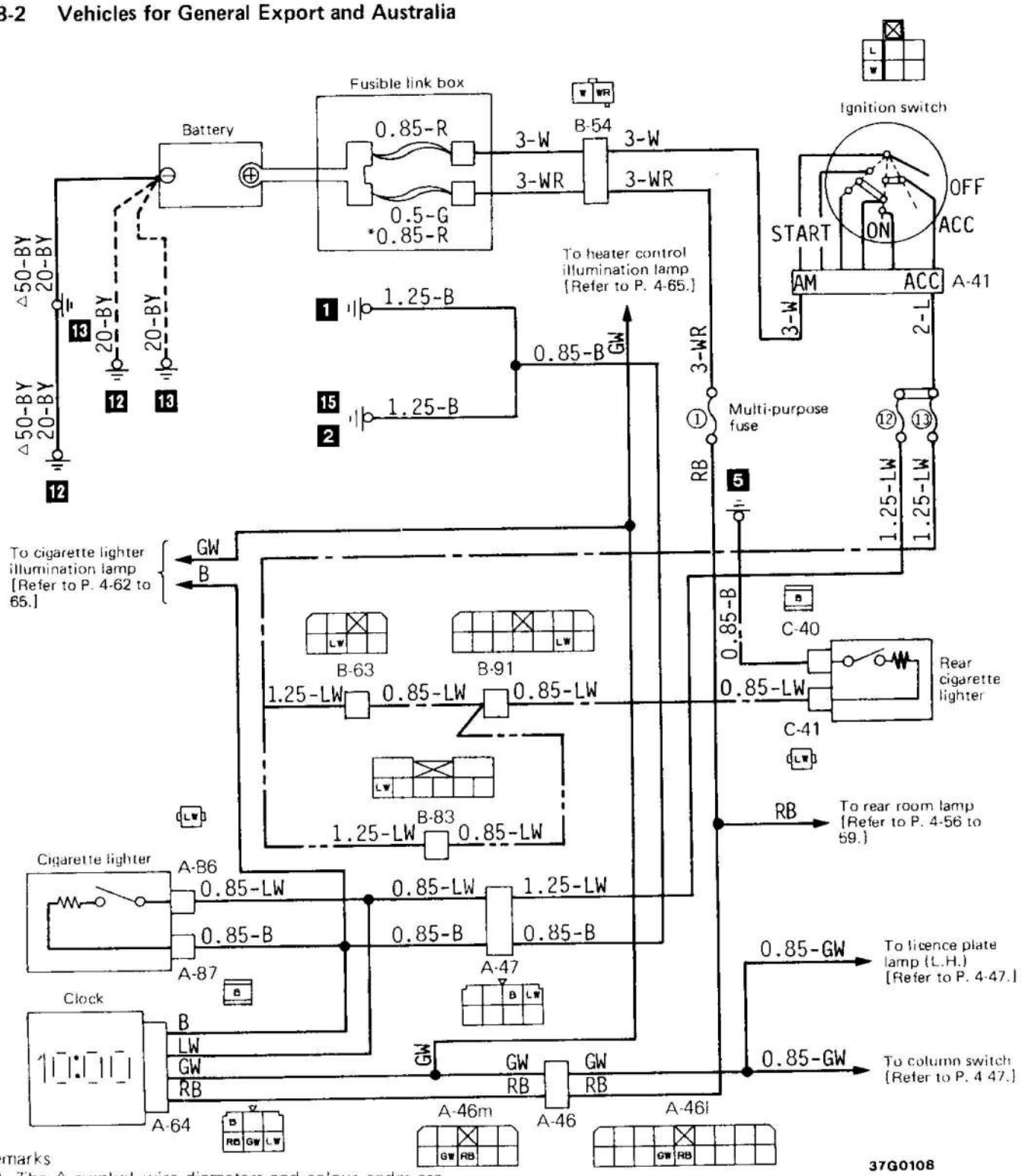


Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The broken line (-----) is applicable to vehicles equipped with M.P.I.
(3) The earth symbol (No. 2) is applicable to R.H. drive vehicles.
(4) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lb: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

28-2 Vehicles for General Export and Australia



Remarks

(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.

(2) The broken line (-----) is applicable to vehicles equipped with M.P.I.

(3) The fusible links * symbol wire diameters and colour codes are applicable to vehicles equipped with 4-lamp type of headlamps.

(4) The chain line (—·—) is applicable to L.H. drive vehicles equipped with the rear cigarette lighter.

(5) The two-point chain line (—··—) is applicable to R.H. drive vehicles equipped with the rear cigarette lighter.

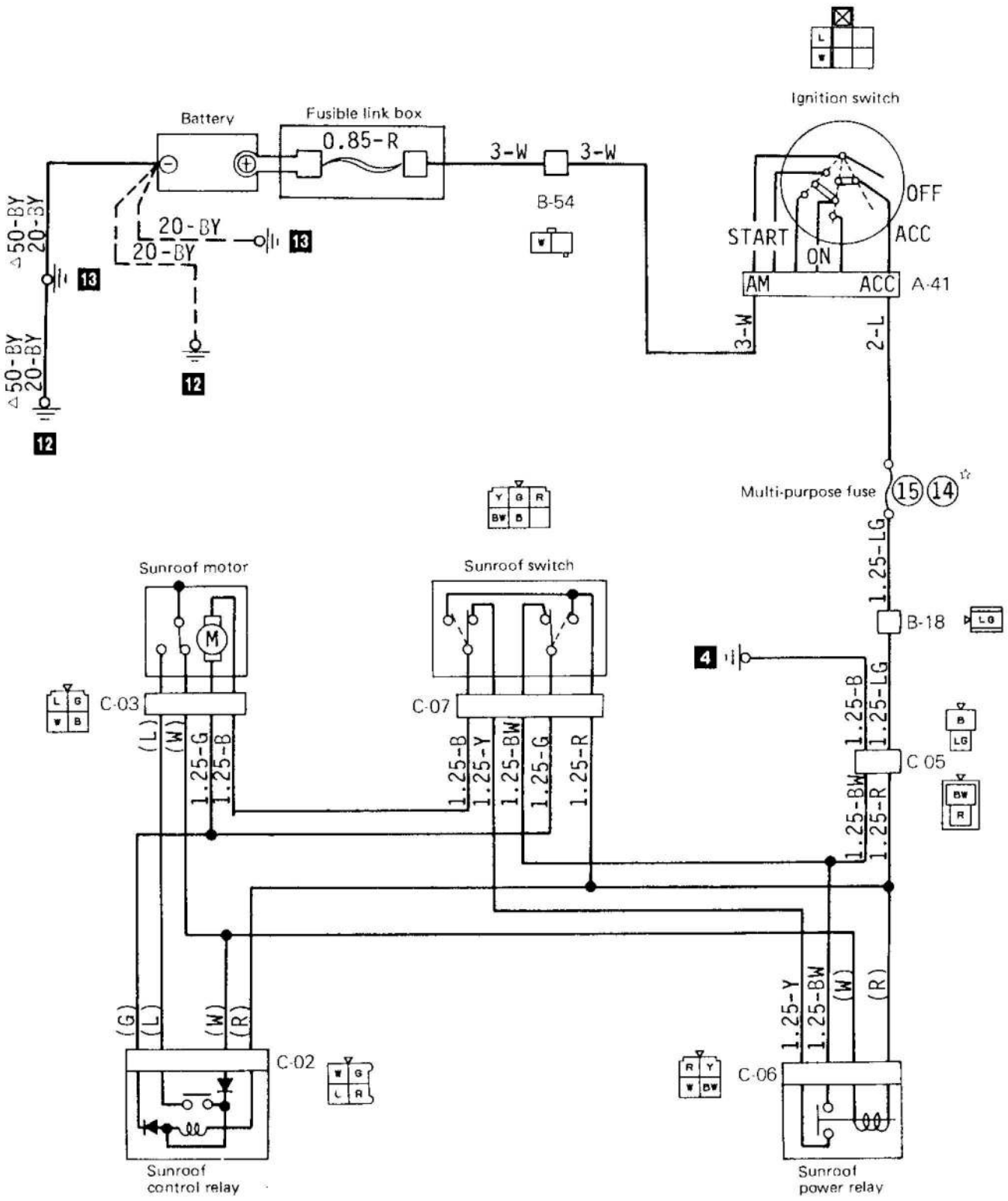
(6) The earth symbol (No. 2) is applicable to R.H. drive vehicles.

(7) For details concerning the earth point (example: 12), refer to P. 3-11

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray
L: Blue	Lg: Light green	Lt: Light Blue	O: Orange
P: Pink	R: Red	Sb: Silver	Y: Yellow
W: White			

29 SUNROOF CIRCUIT (Vehicles for General Export and Australia)



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(3) The multi-purpose fuse's ☆ symbol fuse numbers are applicable to R.H. drive vehicles.
(4) For details concerning the earth point (example. 12), refer to P. 3-11.

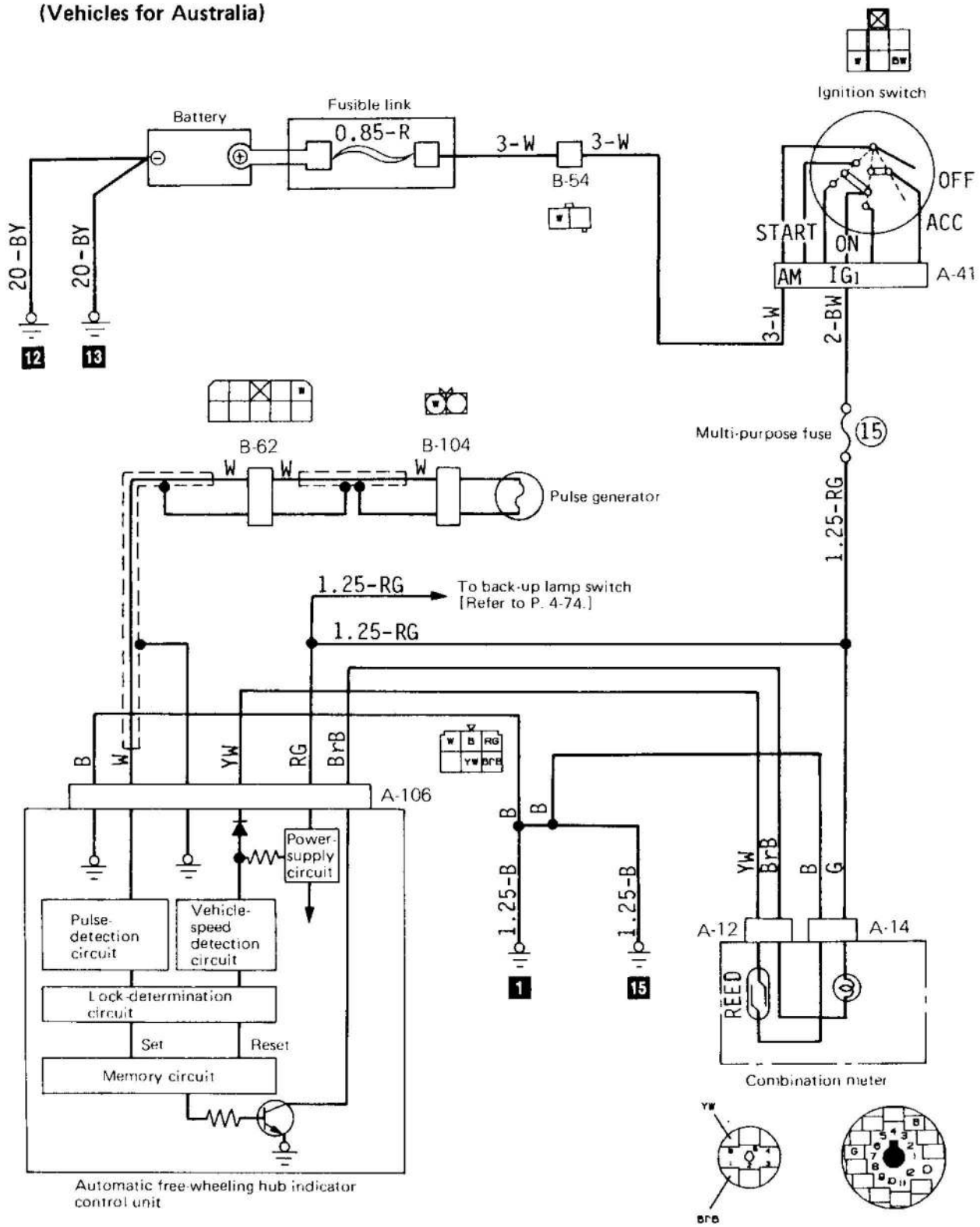
37G0081

Wire colour code

B: Black	Br: Brown	G: Green			
Ll: Light Blue	O: Orange	P: Pink			
Gr: Gray	L: Blue	Lg: Light green			
R: Red	Sb: Silver	Y: Yellow	W: White		

30 AUTOMATIC FREE-WHEELING HUB CIRCUIT

(Vehicles for Australia)



Remarks
For details concerning the earth point (example: 12), refer to P. 3-11.

37G0080

Wire colour code

B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Lt: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			

TROUBLESHOOTING

29 SUNROOF CIRCUIT [Refer to P. 4-150]

Inspection items / Symptom	Multi-purpose fuse		Sunroof power relay	Sunroof control relay	Sunroof switch	Sunroof motor		Wiring harness and connector connection	Earth
	Fuse No. 14*	Fuse No. 15				Limit switch	Motor		
Sunroof motor does not operates	①		⑤	⑥	④		⑦	③	②
The safety mechanism doesn't operate			②			①			

NOTE
(1) Number in circle indicates inspection sequence.
(2) The * symbol indicates R.H. drive vehicles.

30 AUTOMATIC FREE-WHEELING HUB CIRCUIT [Refer to P. 4-151]

Inspection items / Symptom	Fuse No. 15	Indicator bulb	Printed circuit board	Reed switch (unified with speedometer)	Automatic free-wheeling hub indicator control unit	Pulse generator	Wiring harness and connector connection	Earth
Indicator lamp does not illuminate	①	②	③	⑥	⑧	⑦	⑤	④
Indicator lamp does not be turned off				②	④	①	③	

NOTE
Number in circle indicates inspection sequence.

32. HEATED SEAT CIRCUIT [Refer to P. 4-156, 157]

Inspection items / Symptom	Fuse No. 18	Heated seat switch	Seat back		Seat cushion			Wiring harness and connector connection	Earth
			Thermostat	Heater	Thermostat	Thermo fuse	Heater		
Seat heaters don't heat	①	④	⑤		⑥			②	③
Some seat heaters don't become warm		①	③		④			②	
The LO/HI switching can't be made		①	②		③				

NOTE
Number in circle indicates inspection sequence.

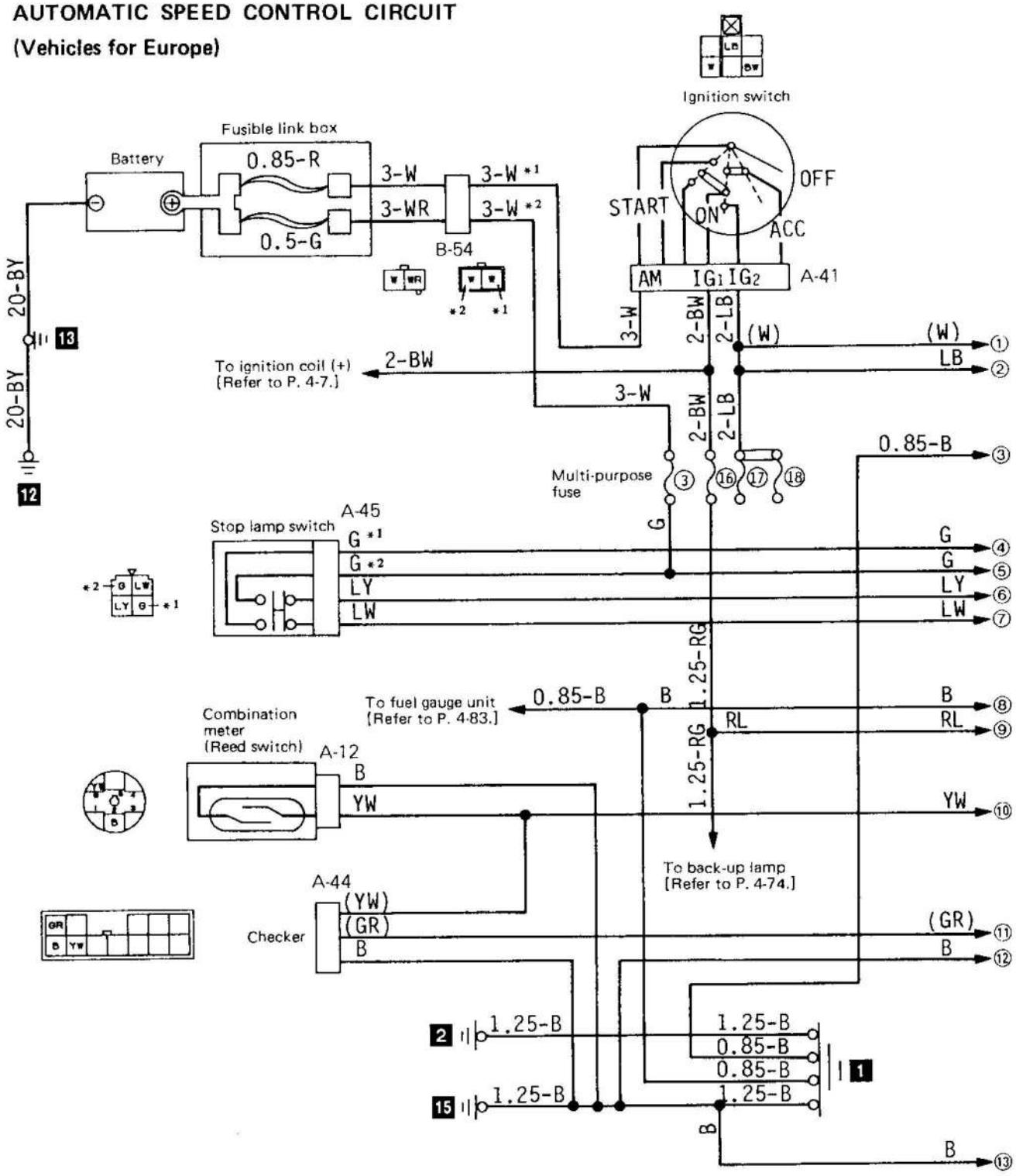
33 HEADLAMP WASHER CIRCUIT [Refer to P. 4-158]

Inspection items / Symptom	Fusible link 0.5-G	Multi-purpose fuse			Headlamp washer relay	Headlamp washer motor	Headlamp washer level switch	Indicator bulb	Printed circuit board	Headlamp washer switch (unified with column switch)	Wiring harness and connector connection	Earth
		Fuse No. 16	Fuse No. 17	Fuse No. 18								
Headlamp washer motor does not operate	③		①		⑥	⑦				⑤	②	④
Indicator lamp does not illuminate		①					⑥	②	⑤		③	④
Indicator lamp does not be turned off							①		③		②	

NOTE
Number in circle indicates inspection sequence.

31 AUTOMATIC SPEED CONTROL CIRCUIT

(Vehicles for Europe)



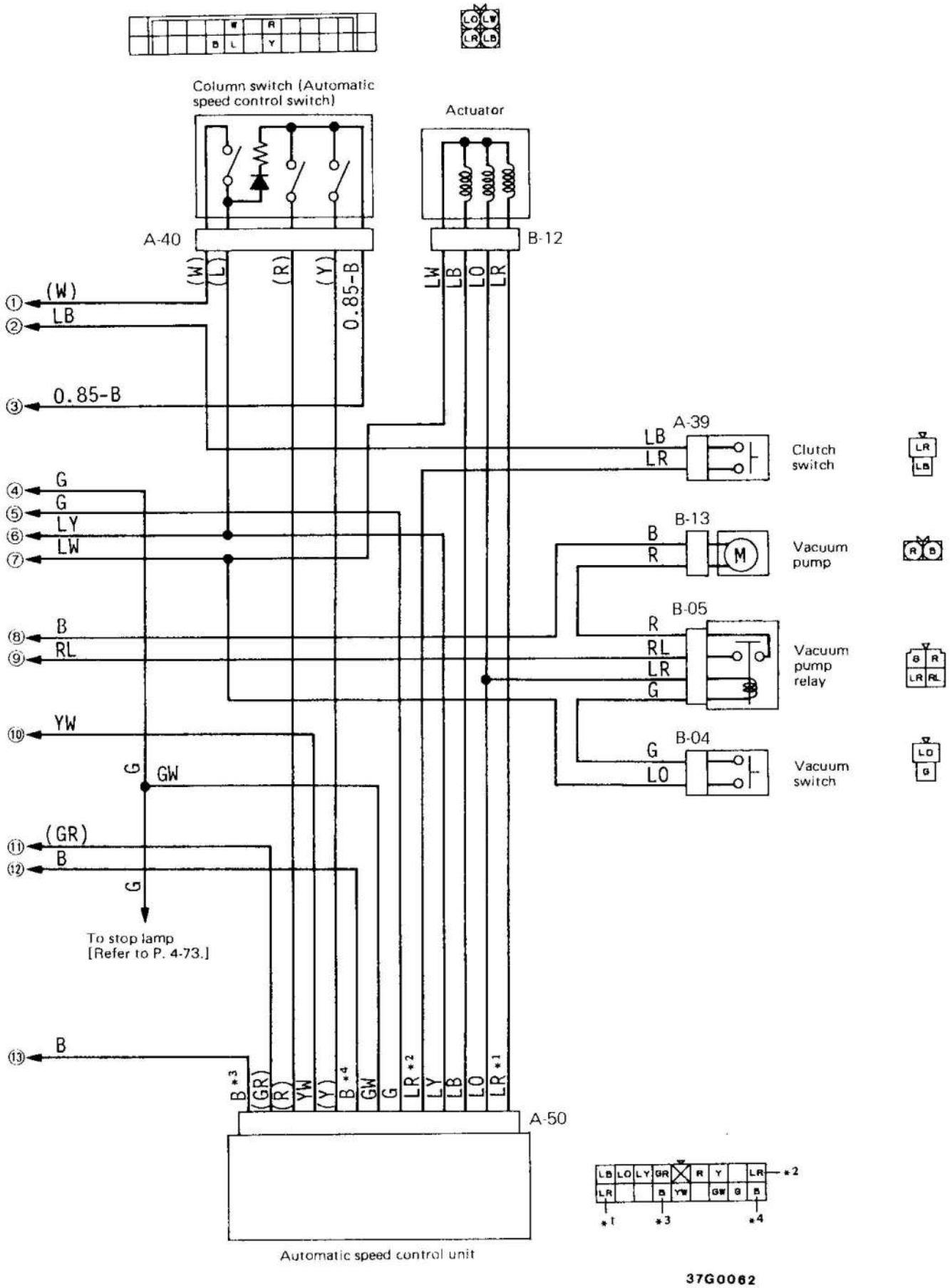
Remarks

(1) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left). (Thus, ① on the right page is connected to ① on the left page.)

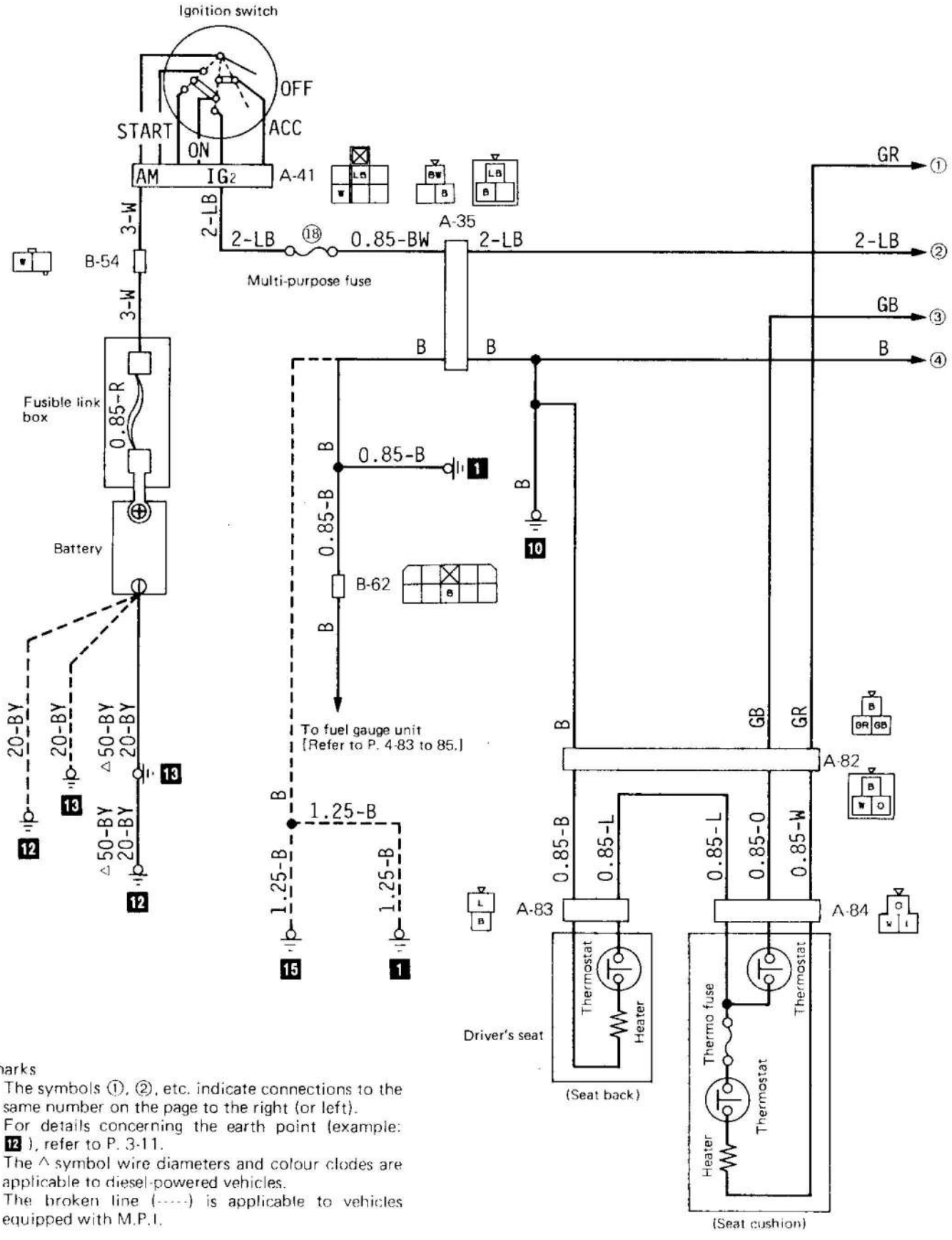
(2) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

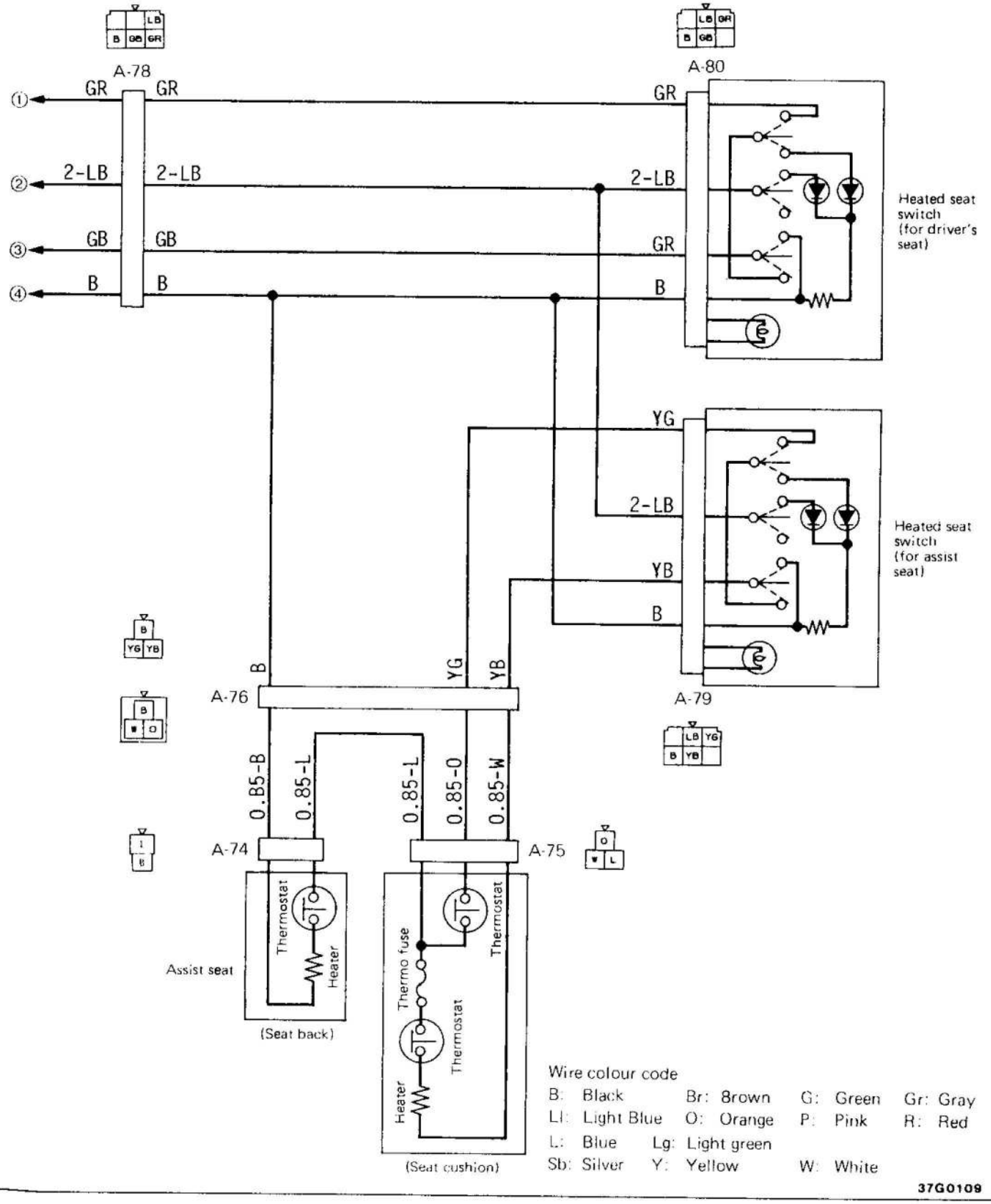
B: Black	Br: Brown	G: Green	Gr: Gray	L: Blue	Lg: Light green				
Ll: Light Blue	O: Orange	P: Pink	R: Red	Sb: Silver	Y: Yellow	W: White			


Column switch (Automatic speed control switch)
Actuator
A-40
B-12
(W)
(L)
(R)
(Y)
0.85-B
LW
LB
LO
LR
① (W)
② LB
③ 0.85-B
④ G
⑤ G
⑥ LY
⑦ LW
⑧ B
⑨ RL
⑩ YW
G GW
⑪ (GR)
⑫ B
G
⑬ B
A-39
LB
LR
Clutch switch
B-13
B
R
M
Vacuum pump
B-05
R
RL
LR
G
Vacuum pump relay
B-04
G
LO
Vacuum switch
To stop lamp
[Refer to P. 4-73.]
B *3
(GR)
(R)
YW
(Y)
B *4
GW
G
LR *2
LY
LB
LO
LR *1
A-50
Automatic speed control unit
LB LO LY GR R Y LR *2
LR B YW GW G B
*1 *3 *4
37G0062

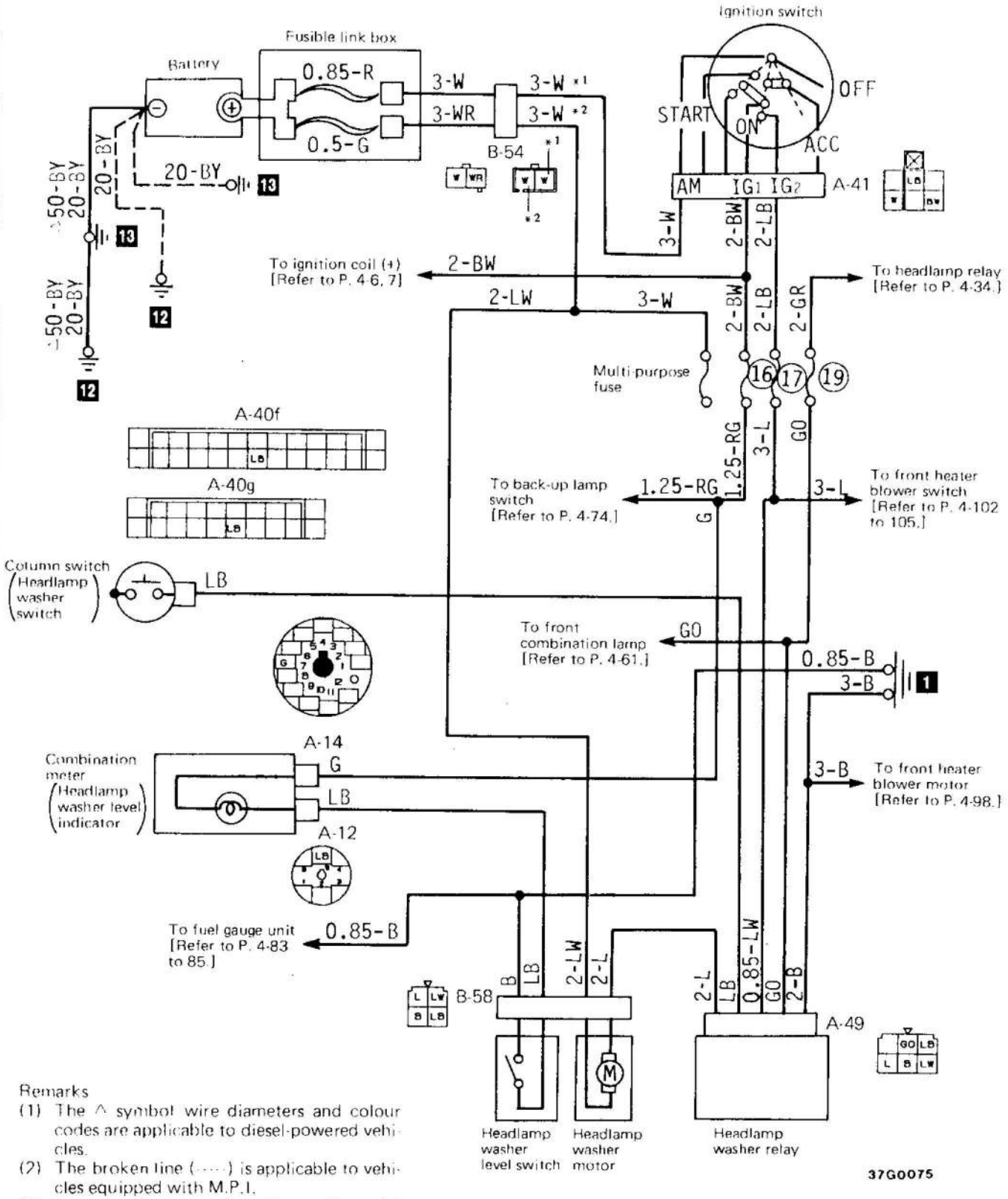
32 HEATED SEAT CIRCUIT (Vehicles for Europe)



Remarks
(1) The symbols ①, ②, etc. indicate connections to the same number on the page to the right (or left).
(2) For details concerning the earth point (example: 12), refer to P. 3-11.
(3) The △ symbol wire diameters and colour clodes are applicable to diesel-powered vehicles.
(4) The broken line (-----) is applicable to vehicles equipped with M.P.I.


A-78
A-80
GR
2-LB
GB
B
Heated seat switch (for driver's seat)
YG
YB
Heated seat switch (for assist seat)
A-76
A-79
A-74
A-75
0.85-B
0.85-L
0.85-O
0.85-W
Thermostat
Heater
Thermo fuse
Assist seat
(Seat back)
(Seat cushion)
Wire colour code
B: Black
Br: Brown
G: Green
Gr: Gray
Ll: Light Blue
O: Orange
P: Pink
R: Red
L: Blue
Lg: Light green
Sb: Silver
Y: Yellow
W: White
37G0109

33 HEADLAMP WASHER CIRCUIT (Vehicles for Europe)



Remarks
(1) The △ symbol wire diameters and colour codes are applicable to diesel-powered vehicles.
(2) The broken line (- - - -) is applicable to vehicles equipped with M.P.I.
(3) For details concerning the earth point (example: 12), refer to P. 3-11.

Wire colour code

B:	Black	Br:	Brown	G:	Green	Gr:	Gray	L:	Blue
Lg:	Light green	Lb:	Light Blue	O:	Orange	P:	Pink	R:	Red
Sb:	Silver	Y:	Yellow	W:	White				

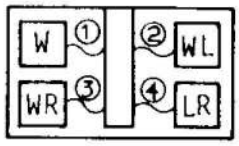
24 CENTRALIZED JUNCTION

FUSIBLE LINKS

SPECIFICATIONS

Fusible Link Box

Item	Fusible link No.	Wire color	Size		Fusible link box
			mm^2	in^2	
Ignition switch power supply	1	Red	0.85	0.0013	
Defogger, rear heater circuit	2	Green	0.5	0.0008	
Lamp, horn circuit	3	Red*	0.85*	0.0013*	
		Green	0.5	0.0008	
Door lock, power window circuit	4	Green	0.5	0.0008	



37G0073

Remark: The * symbol indicates Mini bus for Australia.

Main Fusible Link

Item		Housing colour	Rated capacity (A)
Alternator circuit	Mini bus	Black	80
	Panel van	Yellow	60

Dedicated Fusible Link

Item		Wire colour	Size	
			mm^2	in^2
Glow plug circuit *		—	1.0	0.0015
Cold mixture heater circuit		Red	0.85	0.0013
M.P.I. circuit		Red	0.85	0.0013
Air conditioner circuit	Front and overhead type	Brown	0.3	0.0005
		Green	0.5	0.0008
	Except front and overhead type	Green	0.5	0.0008

Remark: The * symbol indicates fusible link with silicon rubber glass tube.

Dedicated Fuse

Item	Rated capacity (A)
Air conditioner	10 or 15

Multi-purpose Fuse

Vehicles for Europe

Power supply circuit		Fuse No.	Rated capacity (A)	Load circuit
Battery		1	10	Clock, Room lamps
		2	10	Hazard warning lamps
		3	10	Stop lamps, Automatic speed control unit
Battery (via the column switch)		5	15	Headlamp (Upper)
		6	15	Headlamp (Lower)
Battery		7	15	Defogger
		8	20	Rear heater
		9	20	Power window, Tailgate lock, Rear door lock
Ignition switch	ACC (via the column switch)	10	10	Rear fog lamps
	ACC	11	15	Horn
		12	15	Wiper
		13	15	Radio, Tape player, Cigarette lighter
		15	15	Sun roof
	IG1	16	15	Back-up lamp, Feed back carburetor control unit
	IG2	17	20	Dim-dip lamp relay (1), Power window, Rear heater, Front heater, Defogger, Headlamp washer
		18	15	Heated seat
Battery (via the column switch)		19	10	Tail lamp, Position lamp, Headlamp washer
		20	10	Tail lamp, Position lamp, License plate lamp, Dim-dip lamp relay (2), Illumination lamps

Vehicles for General Export

Power supply circuit		Fuse No.	Rated capacity (A)	Load circuit
Battery		1	10	Clock, Room lamps, Step lamp
		2	10	Hazard warning lamps
		3	15	Position lamp, License plate lamp, Tail lamp, Illumination lamp, Horn
		4	10	Stop lamp, Buzzer (Seat belt)
Battery (via the column switch)		6	15	Headlamp (Upper)
		7	15	Headlamp (Lower)
Battery		8	15	Defogger
		9	20	Rear heater
Ignition switch	ACC	11	15	Wiper
		12	15	Radio, Tape player, Front cigarette lighter
		13	15	Rear cigarette lighter
		14	15	Sun roof
	IG1	15	15	Back-up lamp, Seat belt warning timer
	IG2	16	20	Front heater, Rear heater, Defogger

Vehicles for Australia

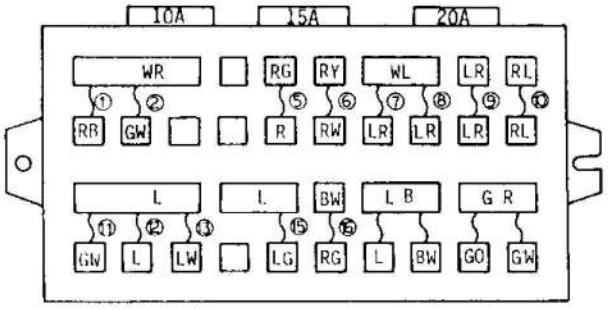
Power supply circuit		Fuse No.	Rated capacity (A)	Load circuit
Battery		1	10	Clock, Audio, Room lamps, Step lamp, Door lamp
		2	10	Hazard warning lamps
		3	15	Position lamp, License plate lamp, Tail lamp, Illumination lamp, Horn
		4	10	Stop lamp
		5	15	Headlamp relay
Battery (via the column switch)		6	15	Headlamp (Upper)
		7	15	Headlamp (Lower)
Battery		8	15	Defogger
		9	20	Rear heater
		10	20	Power window, Tailgate lock, Door lock
Ignition switch	ACC	11	15	Wiper
		12	15	Radio, Tape player, Front cigarette lighter
		13	15	Rear cigarette lighter
		14	15	Sun roof
	IG1	15	15	Engine speed sensor, Back-up lamp, Over drive switch, Automatic free-wheeling hub indicator control unit
	IG2	16	20	Power window, Front heater, Rear heater, Defogger

Centralized Relays

Classification	Name
A-04X	Rear fog lamp relay (L.H. drive vehicles for Europe)
A-05X	Rear heater relay
A-06X	Headlamp relay
A-07X	Defogger relay
A-08X	Turn signal/Hazard flasher unit
A-92X	Dim-dip lamp relay (1) (R.H. drive vehicles for Europe)
A-93X	Dim-dip lamp relay (2) (R.H. drive vehicles for Europe)
A-94X	Seat belt warning timer (L.H. drive vehicles for General Export)
A-115X	Power window relay (Vehicles for Australia)

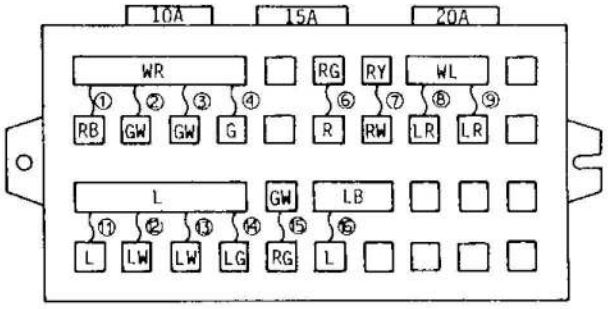
Fuse block

Vehicles for Europe



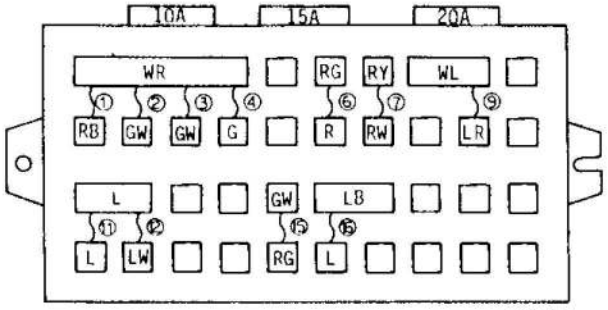
37G0123

Vehicles for General Export (Petrol-powered vehicles)



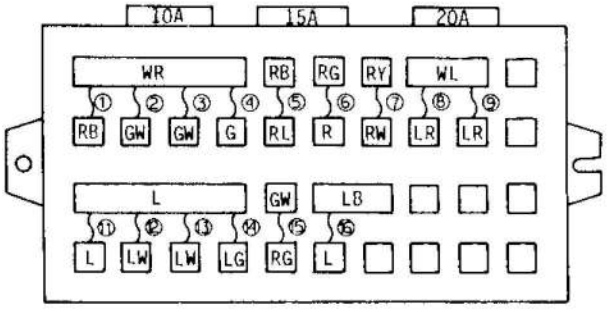
37G0124

Vehicles for General Export (Diesel-powered vehicles)



37G0125

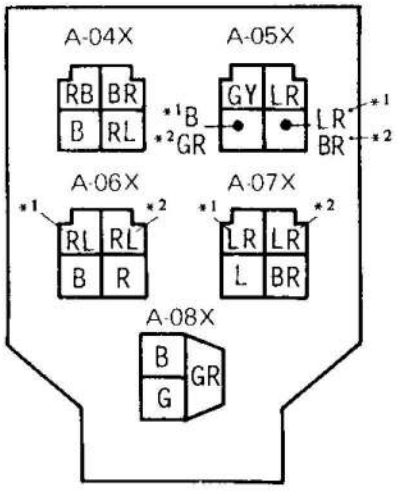
Vehicles for Australia



37G0124

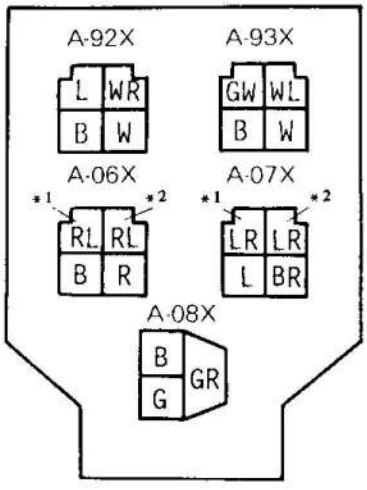
Relay box

L.H. drive vehicles for Europe



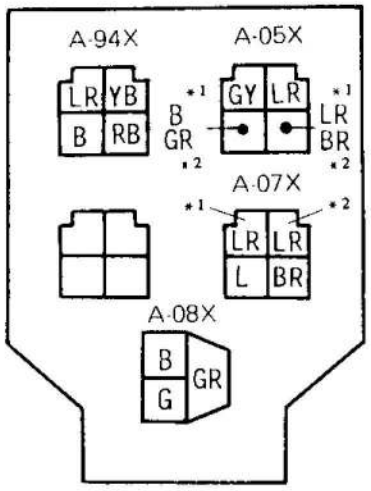
37G0120

R.H. drive vehicles for Europe

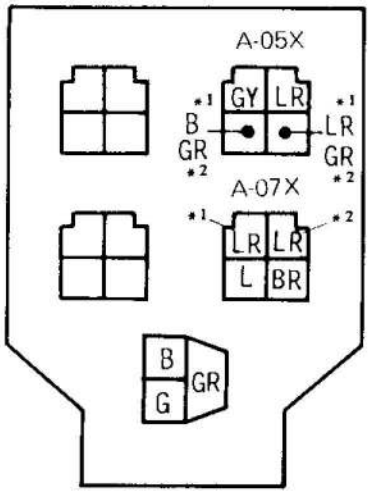


Remarks
(1) The *1 symbol colour codes indicates vehicles with five-doors.
(2) The *2 symbol colour codes indicates vehicles with four-doors.

Vehicles for General Export
(L.H. drive vehicles with petrol engine)

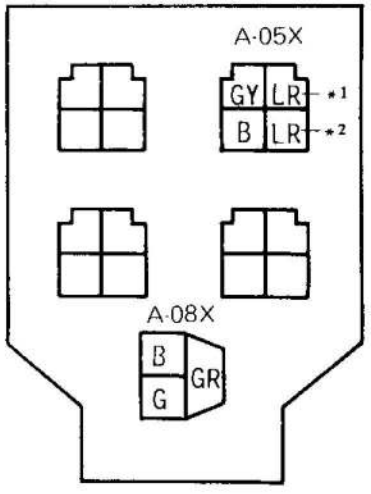


Vehicles for General Export
(R.H. drive vehicles with petrol engine)

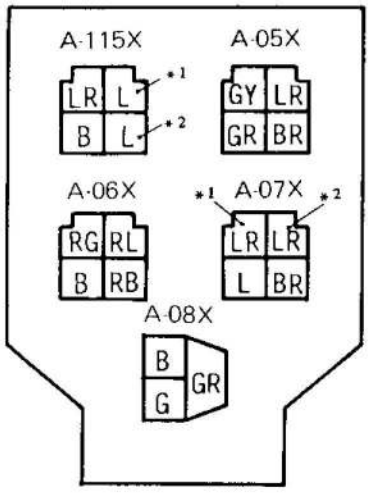


37G0121

Vehicles for General Export
(Diesel-powered vehicles)



Vehicles for Australia



37G0122

Remarks
(1) The *1 symbol colour codes indicates vehicles with five-doors.
(2) The *2 symbol colour codes indicates vehicles with four-doors.