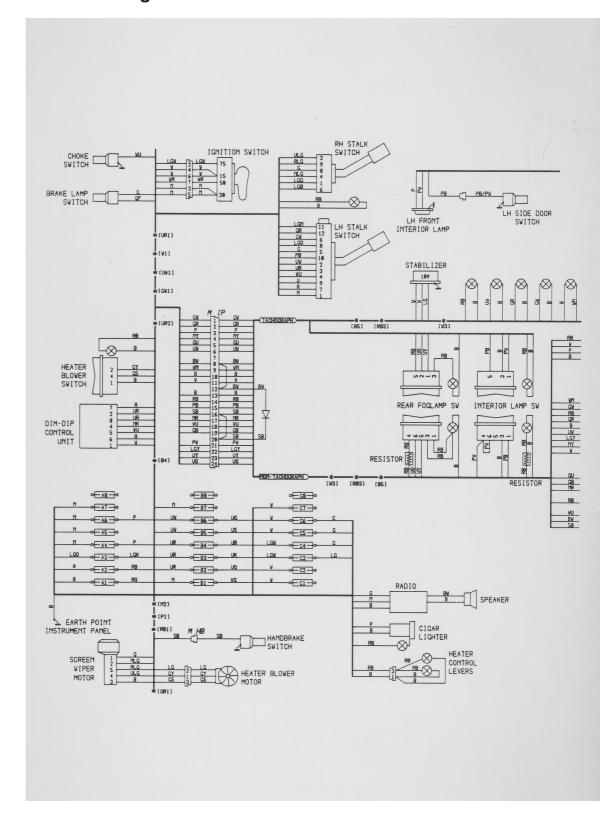
Service Workbook

Electrics 1 Vehicle Wiring 1987-1992





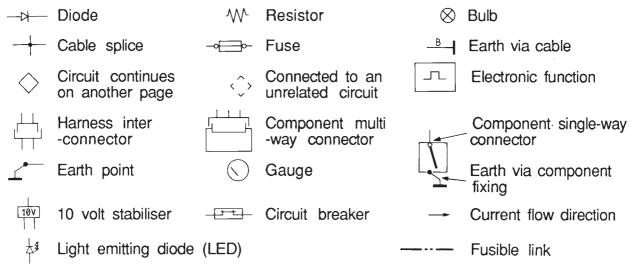
KEY TO CIRCUIT DIAGRAMS

Codes

CABLE CODE	CABLE COLOUR
B	Black
G	Green
K	Pink
LG	Light green
N	Brown
O	Orange
P	Purple
R	Red
S	Slate
U	Blue
W	White Yellow

CONN. CODE	HARNESS NAME
AS1	Air suspension 1
AS2	Air suspension 1 Air suspension 2
BC BC	Rear body / chassis
CL	Cab lamp
E	Engine
ED	Engine secondary (Diesel)
HB	Handbrake
<i>IL</i>	Interior lamp
IP	Instrument panel
LS	Load space (2 x side door)
M	Main
P	Petrol pump supp. (when fitted)
T	Fuel tank supp. (when fitted)
CC	Centre console
SL	Step lamp

Basic Symbols



٧

Warnin	g and Illumination Lan	nps			
	Air suspension	丰 0	Front fog lamp	≣ O	Main beam
(!)	Brake failure	00	Glow plug	مير.	Oil pressure
N	Choke	(P)	Handbrake	Û	Towing flasher
\Leftrightarrow	Direction ind. LH		Hazard flasher	<u>=0 0=</u>	Parking lamps
\Rightarrow	Direction ind. RH	\Box	Ignition	() ‡	Rear fog lamp
ক্	Illumination lamps		Low fuel level	عل	High engine temperature
00	Brake systems				

Model / Types

) [
Van		Van/Crewbus		Van/Crewbus/Minibus
Minibus		Chassis Cab		
Diesel engines		Petrol engines	\8/	V8 petrol engine
Non-tachograph		Tachograph	()	Model/Type specified in parentheses
	Minibus Diesel engines	Minibus Diesel engines	Minibus Chassis Cab Diesel engines Petrol engines	Minibus Chassis Cab Diesel engines Petrol engines Validad

ELECTRICS 1 - VEHICLE WIRING Service Workbook

RIGHT HAND DRIVE MODELS - 1987 TO 1992

This Service Workbook details the wiring circuits of all right hand drive LDV Vans from 1987 to 1992 (except Special Vehicle Orders). It is primarily designed to assist skilled technicians in the efficient diagnosis of electrical problems, but can also be used as a reference workbook for training purposes.

This Service Workbook should always be consulted prior to servicing or repair work.

SPECIFICATION

LDV (the Company) reserves the right to change the procedures, material, specification, dimensions and design of the vehicles shown, described or referred to herein at any time and without prior notice in accordance with the Company's policy of constant product improvement.

Every reasonable effort is made to ensure that the Company's publications are accurate, but nothing shown, described or referred to herein should be regarded as an infallible guide to the procedures, materials, specifications, dimensions, design or availability of any particular vehicle, nor does this publication constitute an offer for the sale of any particular vehicle. Neither the Company nor any Distributor or Dealer shall in any circumstances be held liable for any inaccuracy or the consequences thereof.

Purchasers are advised that the specification details set out in this publication apply to a range of vehicles and not to any particular vehicle. For the specification of any particular vehicle, purchasers should consult their LDV Vans Distributor or Dealer. Please note that LDV Vans Distributors and Dealers are not agents of the Company, and have no right or authority whatsoever to bind the Company in any way, or to assume on its behalf any obligation expressed or implied.

COPYRIGHT

© LDV 1994

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form, whether electronic, or mechanical, or by photocopying, recording or other means without prior permission in writing of LDV.

Published by LDV. Further copies may be obtained through your normal literature operating procedure.

LDV

Training and Publications
Common Lane
Washwood Heath
Birmingham
B8 2UP





CONTENTS

Pag	je
Introduction1	
General precautions	
How to use this Workbook	
Description of electrical diagrams3	
Key to codes, symbols, lamps, model/types 4	Also inside front cover
Page numbering5	
Explanation of:	
Cable colour codes6	·
Basic symbols6	
Switch and relay positions8	
Model / Type9	
Accessories / dealer-fit diagrams9	
Harness routings 200 models	
Relay identification14	
Circuit diagrams	
Component index16	
Circuit diagram index18	
Circuit diagrams	02 on
Vehicle wiring diagrams	ide rear cover



PAGE [

INTRODUCTION

This Service Workbook details the wiring circuits of right hand drive LDV Vans from 1987 to 1992. To obtain maximum benefit, it is strongly recommended that time is taken to study the section 'How to use this Workbook', to become familiar with the concept, layout and symbols used throughout the Workbook.

WARNINGS and CAUTIONS are given throughout this Service Workbook in the following form:

WARNING: Procedures which must be followed precisely to avoid the possibility of personal injury.

CAUTION: This calls attention to procedures which must be followed to avoid damage to components.

NOTE: This calls attention to methods which make a job easier to perform.

REFERENCES

References to the left and right hand side in this Service Workbook are made when viewing the vehicle from the rear.

GENERAL PRECAUTIONS

- 1. Before commencing work on the electrical system, always remove rings, watches, chains etc., even if the battery is disconnected.
- 2. Always stop the engine before disconnecting the battery or alternator.
- 3. Always disconnect the vehicle battery(s) before commencing any electrical test / repair work which does not require the battery to be connected.
- 4. When disconnecting the vehicle battery, always disconnect the earth return (negative) cable first, and then the positive cable. On twin battery installations, disconnect both earth return (negative) cables first, and then the positive cables. Ensure that all electrical systems are switched off before reconnecting the battery, to avoid causing sparks or damage to sensitive electrical equipment. When reconnecting the battery(s), connect the positive cable(s) first then the negative cable(s).
- 5. Battery acid:
 - a. Battery acid is an irritant and corrosive to the skin, eyes, nose and throat, and causes burns. Avoid splashes to the skin, eyes and clothing, and wear suitable protective goggles and gloves when working with batteries. The acid can destroy ordinary protective clothing.
 - b. Ensure access to water and soap is readily available for splashing accidents.
 - c. Gases released during charging are explosive, and can be harmful if inhaled; never use naked flames or allow sparks near charging or recently charged batteries.
 - d. Ensure adequate ventilation.
 - e. If handling batteries/acid, wash hands before job breaks, before eating, smoking, drinking or using toilet facilities.





- 6. Alternator leads must be disconnected before arc welding any part of the vehicle.
- 7. Never guess the polarity of connections or wiring, use a voltmeter and refer to circuit diagrams.
- 8. Jump starting.
 - a. If the slave battery is mounted on another vehicle, ensure that the vehicles are not touching.
 - b. Ensure the slave battery voltage is compatable with the vehicle battery.
 - c. To connect jump leads, first connect a jump lead to the slave battery positive, and then to the vehicle battery positive. Next connect the other jump lead to the slave battery negative and then to a vehicle earth point which is at least 300mm (12 in.) away from the vehicle battery.
 - d. To disconnect jump leads, first disconnect the negative lead from the slave battery and then from the vehicle. Next disconnect the positive jump lead from the slave battery and then from the vehicle.
- 9. Disconnection and reconnection of components.
 - a. Before disconnecting any components, ensure the battery is disconnected or the circuit otherwise isolated.
 - b. Note the position of the various connectors before they are removed.
 - c. When reconnecting components, ensure connectors are refitted in the same positions as noted on removal. If in doubt refer to the relevant circuit diagram.
- 10. If renewing headlamp bulbs do not touch the bulb glass with the fingers. If necessary, wipe the glass clean using a cloth moistened in denatured alcohol (methylated spirit).
- 11. If renewing fuses, always switch off the affected circuit first and fit a new fuse of the correct ampere rating, (refer to label on fuse box cover or fuse list in vehicle handbook if in doubt). If the new fuse also fails, investigate the cause and rectify.
 CAUTION: DO NOT use a fuse with a higher ampere rating than specified, and

under no circumstances bridge the fuse terminals with anything other than a fuse. Non-observance of the latter may cause components to be damaged and/or wiring to overheat, leading to a fire.

Similarly, contact breakers which regularly 'trip out' should not be prevented from doing so by mechanical means; investigate the cause and rectify.

12. Do not work under the vehicle when supported only by a jack; always use safety stands.

EQUIPMENT

The minimum requirement for electrical test equipment is as follows:

Digital multi-meter

Discharge tester - up to 300 amps.

Hydrometer - 200 to 300mm Mercury with temperature conversion.

Battery charger - 12 volts, 0 to 10 amps.

REPAIRS AND REPLACEMENTS

When replacement parts are required, it is essential that only genuine Leyland DAF Parts are used.



HOW TO USE THIS WORKBOOK

This Service Workbook is a comprehensive document, providing not only detailed circuit diagrams for each LDV model and type, but also diagrams and illustrations to assist with the location of harnesses and connectors on each vehicle.

We strongly recommend that you take time to read the following instructions and become familiar with the workbook.

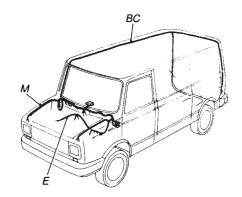
DESCRIPTION OF ELECTRICAL DIAGRAMS

There are three types of diagram in this Workbook:

- A. Harness routing.
- B. Circuit diagrams.
- C. Vehicle wiring diagrams

Harness Routing (pages 10 to 13)

These illustrations show the main harness runs in each model, together with other useful information including relay identification. The example opposite includes the following harnesses: main (M), engine (E) and rear body/ chassis (BC).

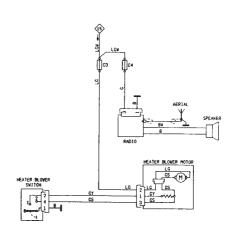


Circuit Diagrams (pages 15.02 on)

These are individual diagrams, one for each electrical function, and sub-divided where necessary to cater for model types. They show components and their internal functions, wiring and colour codes, cable splices, connectors and numbering, and interconnecting page numbers. To simplify the diagrams, circuit feeds generally start from the relevant fuse or switch, and the routing of earth cables is omitted. Feeds to the fuse or switch are found by referring to the page number in the diamond

The example opposite illustrates the heater and radio circuits.

Routing of earth cables are found on page group 31. These show how individual earth cables are routed from a component to their eventual earth point.

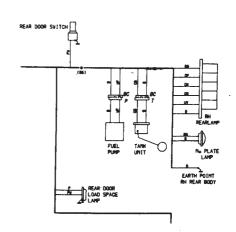


Vehicle Wiring Diagrams (in rear cover pocket) These diagrams shows all the wiring, connectors and components in the electrical system.

The layout of the diagrams is such that the location of the components corresponds with their location on the vehicle.

It is not intended that these diagrams be used for circuit tracing, but only to give an overall view of the complete system for reference.

The example opposite shows a section of one of these diagrams.





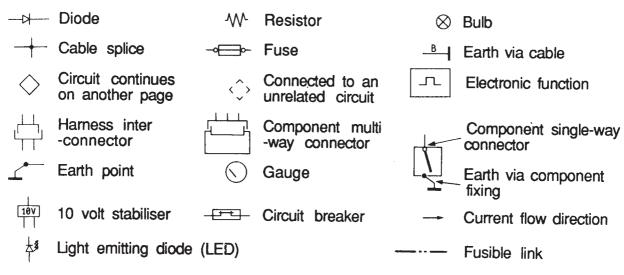
KEY TO CIRCUIT DIAGRAMS

Codes

CABLE CODE	CABLE COLOUR
B G K LG N	Black Green Pink Light green Brown
O P R S U W Y	Orange Purple Red Slate Blue White Yellow

CONN. CODE	HARNESS NAME
AS1	Air suspension 1
AS2	Air suspension 2
BC	Rear body / chassis
CL	Cab lamp
E	Engine
ED	Engine secondary (Diesel)
HB	Handbrake
<u>IL</u>	Interior lamp
IP	Instrument panel
LS	Load space (2 x side door)
M	Main `
P T CC SL	Petrol pump supp. (when fitted)
T	Fuel tank supp. (when fitted)
CC	Centre console
SL	Step lamp

Basic Symbols



Warning and Illumination Lamps

	.9	-unips			
	Air suspension	丰0	Front fog lamp	EO	Main beam
(()	Brake failure	00	Glow plug	متح.	Oil pressure
N	Choke	(P)	Handbrake		Towing flasher
\Diamond	Direction ind. LH		Hazard flasher		Parking lamps
\Rightarrow	Direction ind. RH		Ign ition		Rear fog lamp
®	Illumination lamps		Low fuel level		High engine temperature
(D(C)	Brake systems				,
odel	/ Types				
	Van		Van/Crewbus	AT AT A	Van/Crewbus/Minibus

O©	Brake systems		TOWN WHOM HOVE		riigir engine temperature
Model	/ Types				
	Van		Van/Crewbus	\ <u>\</u>	Van/Crewbus/Minibus
	Minibus	4	Chassis Cab		
個	Diesel engines	個	Petrol engines	\8 /	V8 petrol engine
	Non-tachograph		Tachograph	()	Model/Type specified in parentheses



Page Numbering

Two styles of page numbering are used as follows, to distinguish between the main section containing circuit diagrams and the remainder of the workbook.

All sections except circuit diagrams - (white number in black square)

Circuit diagrams section - 15.02

CIRCUIT DIAGRAM PAGE NUMBERING

Example

Page group number Model/Type number

The page group number before the dot point uses the DIN standard for electrical functions wherever possible, and refers to the page or group of pages which cover that function.

e.g. Page group 15 = Ignition Circuit
Page group 30 = Battery Circuit
Page group 31 = Earth circuit

Thus when looking at a diagram which shows a feed from Diamond 30 it may be deduced that it is a battery feed, thus avoiding having to refer to page group 30.

The number after the dot point is used to identify the Model / Types within that function. Model / Type numbering is sequential starting from 1987 model year.

To keep the number of diagrams to a manageable quantity, several Model / Types may be shown on one page. Symbols are used to identify the Model / Type and, where these appear on a diagram, the details shown apply only to that Model / Type.

NOTE: The circuit diagrams and the vehicle wiring diagrams may show circuits which have not been fitted on a given vehicle. This is because the diagrams must give a complete view of all installations that may possibly be found on a vehicle.



EXPLANATION OF ELECTRICAL DIAGRAMS

These pages give additional information to expand on the 'Key to Circuit Diagrams' summary shown inside the front cover and on page 4.

Cable Colour Codes (additional information)

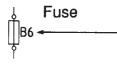
Cables are either single colour or two colour. Two-colour cables have a Main and a Tracer colour. All single colours used and their code letters are listed in the chart on page 4. Where a two-colour cable is used, the code for the Main colour is shown first followed by the code for the Tracer colour.

> e.g. R = Red- single colour B = Black- single colour RB = Red with Black tracer - two colour

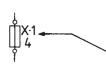
Basic Symbols (additional information)

→ Diode

Current flows in one direction only, from left to right in the symbol shown. Current trying to flow from right to left is blocked by the diode.

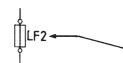


The text adjacent to the fuse gives its position in the fusebox. Fuse shown is in Row B, Position number 6.



Where an extra supplementary fusebox is fitted, this is identified by 'X' followed by the fusebox number, with the fuse position number shown directly below.

Fuse shown is in eXtra fusebox number 1, Position number 4.



Where a single in-line fuse is fitted, this is identified by 'LF' followed by the fuse number.

Fuse shown is Line Fuse number 2.

Cable **Splice**

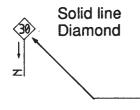
These are part of the wiring harness and are used where, for example, a feed from a single terminal on a switch has to go to several locations on the vehicle. The text within the brackets gives the cable colour code and identification number of the splice. By referring to the Vehicle Wiring Diagram their approximate location on the vehicle may be found.

Splice shown is White number 2.

Splice shown is Black number 3.

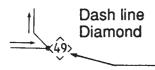
An arrow indicates the direction of current flow. A splice in the 'Live' side of a circuit will have arrows indicating where current flows into the splice, as [W2] splice above. A splice in the 'Earth' side of a circuit will have arrows indicating where current flows out of the splice, as in [B3] splice above. If a splice has no arrows shown, current flow may be in either direction depending on the status of the circuit at the time.





The number within the diamond indicates the page number on which further details of the circuit may be found. An arrow indicates direction of current flow at this point. If no arrow is shown, current flow may be in either direction depending on the status of the circuit at the time.

Diamond shown thus indicates that current is flowing into the circuit at this point, and further details may be found on page group 30.

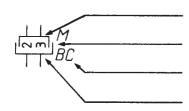


As for Solid line Diamond above, but this is a connection point to an unrelated circuit, and is shown only to give a complete picture of the cable routing.

Diamond shown indicates that this cable makes a connection to an unrelated circuit shown on page group 49.

Harness Inter -Connector

Harness inter-connectors are identified by connector codes (see page 4 for full listing). By referring to the appropriate Harness Routing illustration or Vehicle Wiring Diagram, their approximate location on the vehicle may be found. Position numbers given correspond to the numbers printed on the actual connector. If no position is given the connector is either a single pole type, or the actual connector has no markings.



Male connector

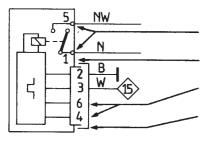
Position in connector

Connector code

Female connector

Component Connectors

Markings shown where cables meet components are generally those that appear on the actual component. If the component has no markings, those that appear on the actual connector are shown instead.

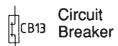


Single connector

Component

Markings on either component or connector

Multi-way connector



Where a circuit breaker is fitted, this is identified by 'CB' followed by the circuit breaker number.

Circuit breaker shown is Circuit Breaker number 13.





Switch and Relay Positions

Switches and relays etc. are drawn in the 'Off' position.

General driver operable switches are marked '0' for Off position

'1' for On position

Ignition switch is marked 'O' for Off position

'I' for Accessory position 'II' for Ignition position 'III' for Start position

Direction indicator switch is marked 'L' for LH flashers

'R' for RH flashers

Wiper switch is marked 'O' for Off position

"' for Intermittent position

'I' for Slow position 'II' for Fast position

Light switch is marked 'O' for Off position

'P' for Parklamp position 'H' for Headlamp position

Dip switch is marked 'M' for Main beam position

'D' for Dip beam position 'F' for Flash position

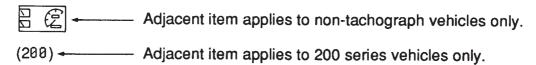
Heater blower switch is marked '8' for Off position

'1' for 1st speed position '2' for 2nd speed position

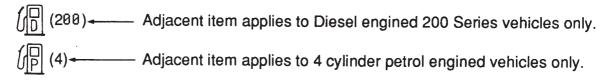


Model/Type (additional information)

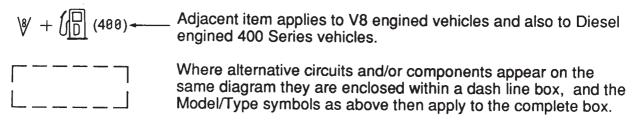
In their simplest form the Model/Type symbols indicate that the adjacent item is applicable to that Model/Type only.



In some cases, the Model/Type needs to be more specific and symbols may be combined.



In other cases there may be more than one Model/Type, and two or more symbols will be shown separated by a '+' sign.



NOTE: Some diagram pages are Model/Type specific (see circuit diagram page index), and in these cases that Model/Type symbol does not appear on the diagram.

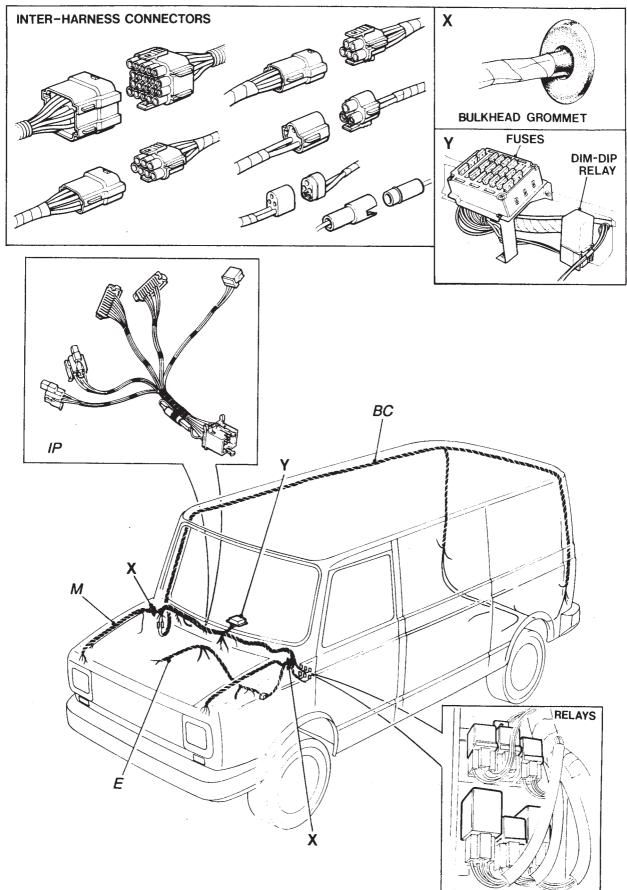
Accessories / Dealer-fit Diagrams

NOTE: Diagrams for accessories or dealer-fit equipment (as opposed to factory-fit options) show the complete circuit from feed point to earth point. These diagrams indicate the recommended wiring and connection points but, as the equipment is installed after the vehicle has left the factory, LDV Vans cannot warrant that the vehicle will be wired exactly as shown in the diagram.





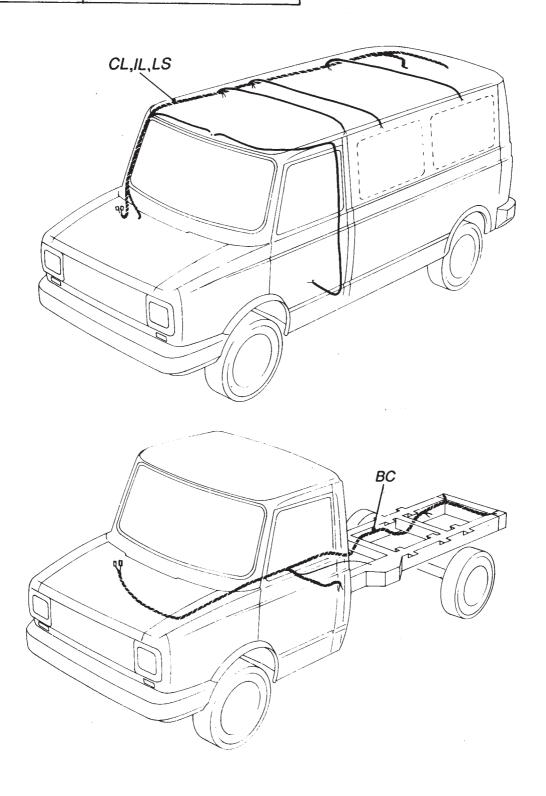
HARNESS ROUTING - 200 MODELS





CONNECTOR CODE	HARNESS NAME
BC CL E IL IP LS M	Rear body / chassis Cab lamp Engine Interior lamp Instrument panel Load space (2 x side door) Main

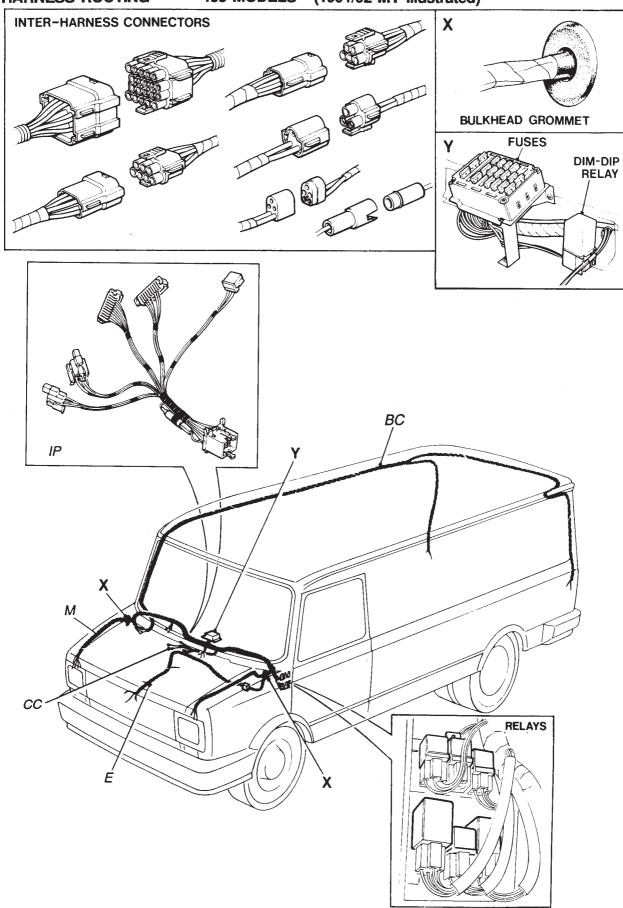
NOTE: These diagrams are to be used only as a guide to harness runs; variations do occur from model to model.







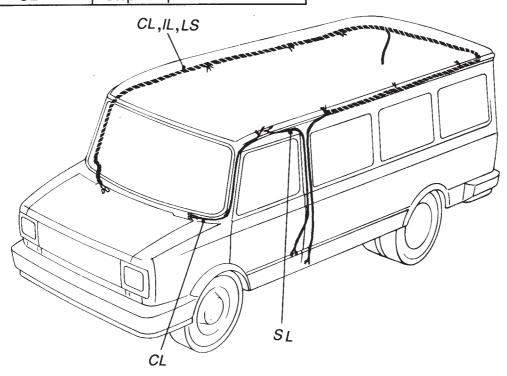
HARNESS ROUTING - 400 MODELS (1991/92 MY illustrated)

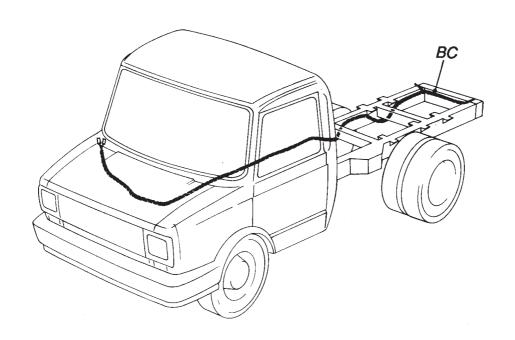




CONNECTOR CODE	HARNESS NAME
BC CC CL E IL IP LS M SL	Rear body / chassis Centre console Cab lamp Engine Interior lamp Instrument panel Load space (2 x side door) Main Step lamp

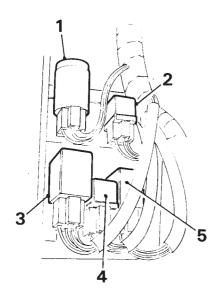
NOTE: These diagrams are to be used only as a guide to harness runs; variations do occur from model to model.







RELAY IDENTIFICATION



Typical relay cluster (1990 MY, 400 Diesel shown)

- 1. Coolant temperature buzzer
- 2. Headlamp relay
- 3. Wiper / delay relay
- 4. Starter relay
- 5. Flasher unit

NOTE: The layout and application of relays etc. varies dependent on vehicle specification e.g. model year, diesel or petrol.

The relays can be identified by the colour of the connector blocks into which they are fitted, the number of terminals used in each block and by the wiring colour codes (see following data).

1987 - 1988 MY vehicles

Connector block colour	Relay / component	Terminals used	Wire colour codes
Yellow	Manifold heater relay (4 cyl. petrol)	4	GK, WP, WG, B
Blue	Fuel pump relay (Petrol)	5	WR, W, WP, WN, W
White	Headlamp relay	4	WU, B, W, U
Black	Wiper delay/relay	5(+1†)	G, B, NLG, LGB, NLG (+LGG+)
Blue Red	Starter relay (all Diesel, V8) Flasher unit	4 4	NU, B, N, WR LGN, B, LGY, LGK

[†] Single connection, direct to relay.

1989 - 1990 MY vehicles

Connector block colour	Relay / component	Terminals used	Wire colour codes
Yellow	Coolant temp.buzzer (400 Diesel)	2	G, BO
Yellow	Manifold heater relay (4 cyl. petrol)	4	GK, WP, WG, B
Blue	Fuel pump relay (Petrol)	5	WR, W, WP, WN, W
White	Headlamp relay	4	WU, B, W, U
Black	Wiper delay/relay	5(+1†)	
Blue	Starter relay (all Diesel, V8)	4	NU, B, N, WR
Red	Flasher unit	4	LGN, B, LGY, LGK

[†] Single connection, direct to relay.



1990 - 1991 MY vehicles

Connector block colour	Relay / component	Terminals used	Wire colour codes
Yellow	Coolant temp.buzzer (400 Diesel)	2	G, BO
Yellow	Manifold heater relay (4 cyl. petrol) or Fuel heater relay (400 Diesel '91 MY)	4	GK, WP, N, B
Blue	Fuel pump relay (Petrol)	5	WR, W, WP, WN, W
White	Headlamp relay	4	WU, B, W, U
Black	Wiper delay/relay		G, B, NLG, LGB, NLG (+LGG†)
Blue Red	Starter relay (all Diesel, V8) Flasher unit	4 4	NU, B, Ń, WR LGN, B, LGY, LGK

[†] Single connection, direct to relay.

1991 - 1992 MY vehicles

Connector block colour	Relay / component	Terminals used	Wire colour codes
Yellow	Coolant temperature buzzer (400 Diesel with tachograph)	2	G, BO
Yellow	Manifold heater relay (4 cyl. petrol) or Fuel heater relay (400 Diesel)	4	GK, WP, N, B
Blue	Fuel pump relay (Petrol)	5	WR, W, WP, WN, W
White	Headlamp relay	4	WU, B, W, U
Black	Wiper delay/relay	5(+1†)	G, B, NLG, LGB, NLG (+LGG†)
Blue Red	Starter relay (all Diesel, V8) Flasher unit	4 4	NU, B, N, WR LGN, B, LGY, LGK

[†] Single connection, direct to relay.



COMPONENT INDEX

COMPONENT	PAGE GROUP
Voltage Generation Alternator Battery Bulkhead terminal post	30 30 30
Air suspension compressor Air suspension solenoid Alarm siren Anti run-on valve Buzzer - Coolant temperature Cigar lighter Diesel fuel heater Distributor Electronic ignition unit Fuel cut-off solenoid Fuel pump Glow plugs Heater blower motor Horn Ignition coil KSB Manifold heater Radio equipment Resistor, controls illumin. lamp Resistor, dim-dip Resistor, glow plugs Starter motor Washer motor Wiper motor	96 96 95 15 61 71 30 15 15 15 30 75 71 15/95 15 30 75 58 56 30 30 53 53
Instruments Clock Fuel gauge Instrument pack Tachograph Temperature gauge 10 volt stabilizer Tachometer/rev counter	61 61 61 61 61 61
Illumination Brake lamps Cab lamp Direction indicator lamps Headlamps Illumination lamps, controls etc. Interior lamps Load space lamps Number plate lamps Parking lamps Rear fog lamps Reverse lamps Step lamps	54 60 49 56 58/61 60 57 57 55 54 60

Air suspension kneel switch Air tank pressure switch Bonnet switch - alarm Brake failure switch Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Cil pressure switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Miper / Washer Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Horn push Oil pressure Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Maning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Horn push Oil pressure G1	COMPONENT	PAGE GROUP
Air suspension kneel switch Air tank pressure switch Bonnet switch - alarm Brake failure switch Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Gilpressure switch Is/61 Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Is/61	Switches	
Air tank pressure switch Bonnet switch - alarm Brake failure switch Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Maniborake Hazard Horn push Off Glow plug Handbrake Hazard Hazard Horn push Oil pressure switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Maniborake Hazard Hardbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 62 63 64 65 65 66 66 67 66 67 66 67 66 67 66 67 66 67 66 67 66 67 66 67 66 67 66 66 67 66		96
Bonnet switch - alarm Brake failure switch Brake lamp switch Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Signition switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Marning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Hazard Hazard Horn push Oil pressure Main / Dip / Flash Wiper / Washer Mandbrake Hazard Harard Hazard Harard Harar		
Brake failure switch Brake lamp switch Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Is/61 Brake lamp switch Heater blower switch Is/61 Is/61 Brake switch Heater blower switch Is/30 Interior lamp switch Is/61 Is/30 Interior lamp switch Is/61 Is/30 Interior lamp switch Is/61 Is/6		
Brake lamp switch Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Ignition switch Interior lamp switch Manifold temperature switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 54 55 61 61 55 65 67 67 61 61 61 61 61 61 61 61		1 1
Cancel button - alarm Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Interior lamp switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Hazard Horn push Off Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 95 61 15/61 60/95 61 55/30 60 61 55/61 60 30 60 15/61 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 56 57 56 56/57 56 61 61 61 61 61 61 61 61 61 61 61 61 61		1
Choke switch Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Ignition switch Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Stalk switches: Direction indicator Hazard Hom push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 15/61 60/95 61/96 61 55/30 60 30 61 55/61 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 54 55 56 57 66 67 67 67 67 67 67 67 67 67 67 67 67		
Coolant temperature switch Door courtesy switch Handbrake switch Heater blower switch Ignition switch Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Stalk switches: Direction indicator Hazard Hom push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 15/61 60 75 15/30 60 30 61 55 54 55 56 61 55 61		3
Door courtesy switch Handbrake switch Heater blower switch Ignition switch Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61/96 75 15/30 60 75 15/61 55 54 55 61 55 61		
Handbrake switch Heater blower switch Ignition switch Interior lamp switch Oil pressure switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 61/96 75 75 66 75 60 75 15/61 89 49 49 49 49 49 56/57 56 53 Warning Lamps Air suspension Brake failure Choke Oirection indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61	Coolant temperature switch	15/61
Heater blower switch Ignition switch Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 75 15/30 60 40 40 45/61 55 45 47 49 49 49 49 49 49 61 61 61 61 61 61 61 61 61 61 61 61 61	Door courtesy switch	60/95
Ignition switch Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 15/30 60 60 30 61 55 44 15/61 55 54 55 54 54 55 54 54 55 54 55 54 55 54 55 61	Handbrake switch	61/96
Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 60 30 30 15/61 55 54 S5 49 15/61 55 61	Heater blower switch	75
Interior lamp switch Manifold temperature switch Oil pressure switch Rear foglamp switch Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 60 30 30 15/61 55 54 S5 49 15/61 55 61	lanition switch	15/30
Manifold temperature switch Oil pressure switch Rear foglamp switch Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 30 15/61 55 16/57 61 55 49 49 49 66/57 66 67 66 61 61 61 61 61 61 61 61 61 61 61 61		
Oil pressure switch Rear foglamp switch Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 15/61 55 54 54 54 55 54 55 61		
Rear foglamp switch Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 54 54 55 54 54 54 55 54 54 54 55 61		
Reverse lamp switch Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 54 49 49 49 49 49 61 61 61 61 61		
Stalk switches: Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 49 49 49 46 41 49 49 49 61 61 61 61		
Direction indicator Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 49 49 49 46 56 57 56 67 56 67 56 67 61 61 61 61 61 61 61 61 61 61		37
Hazard Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 71 69 61 56/57 56 56 57 61 56 51		40
Horn push Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 71 56/57 56 57 58 58 59 59 50 50 50 51 52 52 53 Sampa 55 56 57 56 56 57 56 56 57 56 56 56 56 56 56 56 56 56 56 56 56 56		
Off / Park / Headlamps Main / Dip / Flash Wiper / Washer Warning Lamps Air suspension Brake failure Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 56/57 56 57 58 59 59 50 50 51 52 53 56 51		-
Main / Dip / Flash Wiper / Washer 53 Warning Lamps Air suspension 96 Brake failure 61 Choke 61 Direction indicator 61 Glow plug 61 Handbrake 61 Hazard 49 Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		1
Wiper / Washer 53 Warning Lamps Air suspension 96 Brake failure 61 Choke 61 Direction indicator 61 Glow plug 61 Handbrake 61 Hazard 49 Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		1
Warning Lamps Air suspension 96 Brake failure 61 Choke 61 Direction indicator 61 Glow plug 61 Handbrake 61 Hazard 49 Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		
Air suspension Brake failure Choke Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 61 61 61	Wiper / Washer	53
Air suspension Brake failure Choke Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 61 61 61	Warning Lamps	
Brake failure 61 Choke 61 Direction indicator 61 Glow plug 61 Handbrake 61 Hazard 49 Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		96
Choke Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 61 61 61 61	Brake failure	
Direction indicator Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 61 61 61		_
Glow plug Handbrake Hazard Ignition / No charge Main beam Oil pressure Parking lamp Rear foglamp Low fuel level 61 61 61 61 61		
Handbrake 61 Hazard 49 Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		
Hazard 49 Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		
Ignition / No charge 61 Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		1
Main beam 61 Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		
Oil pressure 61 Parking lamp 61 Rear foglamp 55 Low fuel level 61		1
Parking lamp 61 Rear foglamp 55 Low fuel level 61		1
Rear foglamp 55 Low fuel level 61		
Low fuel level 61		
	Hear Toglamp	
Liah angina tamananatan 1 04		1
	High engine temperature	61
Brake systems 61	Brake systems	61



COMPONENT INDEX (Continued)

COMPONENT	PAGE	PAGE GROUP		
Fuses	Input	Output		
A1	57	57		
A2	57	57/58		
A3	49	49		
A4	30	60/61		
A5	30			
A6	30	71		
A 7	30	96		
A8				
B1	30	30		
B2	55	55		
B3 .	56	56		
B4	56	56		
B5	56	56		
B6	56	56		
B7	30			
B8				
C1	15			
C2	15	96		
C3	15	75		
C4	15	75		
C5	15	30/49/54		
C6	15	53/61		
C7	15	*		
C8				
LF3	95	95		
LF4	95	95		
Circuit breakers CB13	30	96		

COMPONENT	PAGE GROUP
Sensors	
Air suspension height sensor	96
Crankshaft sensor	15
Knock sensor	15
Road speed sensor	61
Tank unit	61
Water temperature sensor	15/61
Relays / Control Units	
Air suspension control	96
Anti run-on timer	15
Diesel fuel heater relay	30
Dim-dip control unit	56
Flasher unit	49
Fuel pump relay	15
Glow plug control relay	30
Glow plug warning lamp relay	30
Headlamp relay	56
Manifold heater relay	30
Power relay	30
Starter relay	30
Theft alarm control unit	95
Wiper / Washer relay	53



PAGE INDEX

	<u> </u>		
MODEL/TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
Diesel - all	87-88	Unfused ignition power / Engine stopping	15.02
Diesel - all	89-91	Unfused ignition power / Engine stopping	15.03
Diesel - all	91-92	Unfused ignition power / Engine stopping	15.05
4 cyl. petrol	87-90	Unfused ignition power / Engine stopping / Fuel pump	15.22
4 cyl. petrol	90-91	Unfused ignition power / Fuel pump	15.23
4 cyl. petrol	91-92	Unfused ignition power / Fuel pump	15.24
V8 petrol	87-91	Unfused ignition power / Fuel pump	15.42
V8 petrol	91-92	Unfused ignition power / Fuel pump	15.44
Discol 200 TNAA	07.00	Hefrend bettem man on (Obstitut Asia I	
Diesel 200 TN44	87-88	Unfused battery power / Starting (single stage	
Diesel 200 TN44	90.01	injection) / Charging	30.02
Diesei 200 TN44	89-91	Unfused battery power / Starting (two stage	00.00
Diesel 200 TN44	91-92	injection) / Charging	30.03
Diesei 200 11444	91-92	Unfused battery power / Starting (two stage injection) / Charging	00.04
Diesel 300 BN52	87-88		30.04
Diesel 400 EN/ET	89-90	Unfused battery power / Starting / Charging Unfused battery power / Starting / Charging	30.22
Diesel 400 EN/ET	1991	Unfused battery power / Starting / Charging Unfused battery power / Starting / Charging	30.23
Diesel 400 EN/ET	91-92	Unfused battery power / Starting / Charging Unfused battery power / Starting / Charging	30.25 30.26
4 cyl. petrol	87-88	Unfused battery power / Starting / Charging	30.42
4 cyl. petrol	89-90	Unfused battery power / Starting / Charging	30.42
4 cyl. petrol	90-91	Unfused battery power / Starting / Charging	30.44
4 cyl. petrol	91-92	Unfused battery power / Starting / Charging	30.45
V8 petrol	87-88	Unfused battery power / Starting / Charging	30.62
V8 petrol	89-91	Unfused battery power / Starting / Charging	30.63
V8 petrol	91-92	Unfused battery power / Starting / Charging	30.65
·		, proceeding	00.00
All	87-88	Earthing - Front end	31.02
All	1989	Earthing - Front end	31.03
Non-tachograph	87-89	Earthing - Instrument panel and rear end	31.22
Tachograph	87-89	Earthing - Instrument panel and rear end	31.42
All	1990	Earthing - Complete vehicle	31.61
All	1991	Earthing - Complete vehicle	31.62
All	91-92	Earthing - Complete vehicle	31.63
All	87-92	Direction indicators / Hazard warning	49.01
A.11	07.00		
All	87-92	Wipers / Washers	53.02
Diesel 300/400	87-90	Broke Jamps / Poverse Jamps	E4.04
V8	87-90 87-92	Brake lamps / Reverse lamps	54.01
Diesel 200	89-92	Brake lamps / Reverse lamps Brake lamps / Reverse lamps	54.01
Diesel 200	87-88	Brake lamps / Reverse lamps	54.01
4 cyl. petrol	87-92	Brake lamps / Reverse lamps	54.02
Diesel 400	91-92	Brake lamps / Reverse lamps	54.03
D16361 700	31-32	Diane lamps / Neverse lamps	54.05

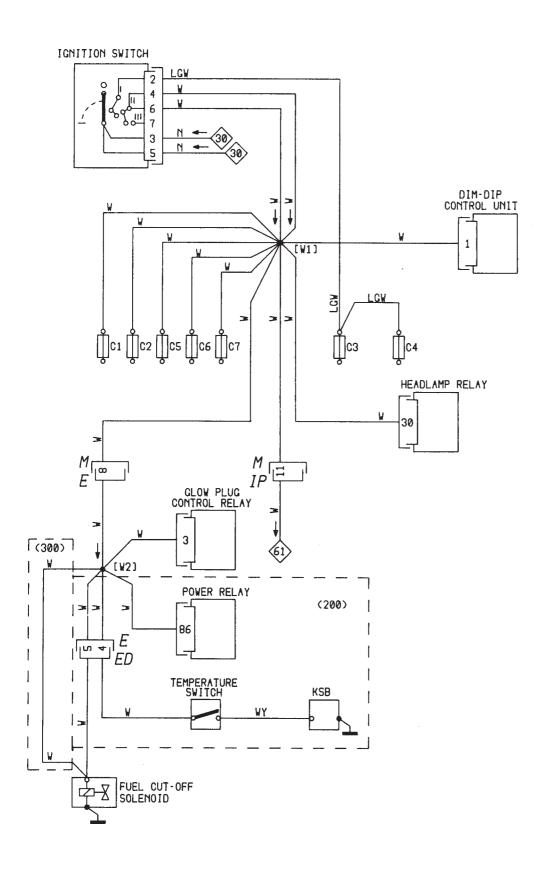


PAGE INDEX (Continued)

MODEL/TYPE YEAR CIRCUIT DIAGRAM PAGE All 87-92 Foglamps - rear 55.01 All 87-92 Headlamps 56.02 All 87-88 Parking lamps 57.02 200 89-92 Parking lamps 57.02 400 90-92 Parking lamps 57.02 400 90-92 Parking lamps 57.02 All 87-91 Illumination of instruments and controls 58.01 All 91-92 Illumination of instruments and controls 58.03 200 87-92 Interior lamps - Cab / Van / Crewbus 60.01 300/400 87-92 Interior lamps - Cab / Van / Crewbus 60.02 200 87-88 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph Non-tachograph Non-tachograph 3-instrument pack 4-instrument pack 4-instrument pack 4-instrument pack 4-instrument pack 91-92 18-90 Instruments and Warning lamps 61.03 61.03 Tachograph 7-20 91-92 Parking Instruments and Warning lam		г		
All 87-92 Headlamps 56.02 All 87-88 Parking lamps 57.01 200 89-92 Parking lamps 57.02 400 90-92 Parking lamps 57.02 400 90-92 Parking lamps 57.04 All 87-91 Illumination of instruments and controls 58.01 All 91-92 Interior lamps - Cab / Van / Crewbus 60.01 300/400 87-92 Interior lamps - Cab / Van / Crewbus 60.01 300/400 87-92 Interior lamps - Cab / Van / Crewbus 60.01 300 87-88 Interior lamps - Minibus 60.22 200 87-88 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph 87-88 Instruments and Warning lamps 61.02 Non-tachograph 87-90 Instruments and Warning lamps 61.03 Non-tachograph 91-92 Instruments and Warning lamps 61.05 3-instrument pack 4-instruments a	MODEL/TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
All 87-88 89-92 Parking lamps 57.02 400 89-92 Parking lamps 57.02 400 89-92 Parking lamps 57.02 400 90-92 Parking lamps 57.04 400 89-90 Parking lamps 57.04 400 89-91 Marking lamps 57.04 400 89-91 Marking lamps 57.04 400 89-91 Marking lamps 57.04 57.04 400 89-91 Marking lamps 57.04 57.04 400 89-91 Marking lamps 57.04 57.04 57.04 400 89-91 Marking lamps 57.04 57.04 57.04 400 89-91 Marking lamps 57.04 57.0	All	87-92	Foglamps - rear	55.01
200 89-92 400 89-90 89-90 90-92 Parking lamps 57.02 400 89-90 90-92 Parking lamps 57.02 400 90-92 Parking lamps 57.02 57.04 57.04 57.04 All 87-91 Illumination of instruments and controls 58.01 200 87-92 lillumination of instruments and controls 58.03 200 87-88 lillumination of instruments and controls 60.01 300/400 87-88 lillumination of instruments and controls 60.01 300 87-88 lillumination of instruments and controls 60.02 100 87-92 lillumination of instruments and controls 60.01 100 87-92 lillumination of instruments and controls 60.01 100 87-88 lillumination of instruments and controls 60.02 100 87-88 lillumination of instruments and controls 60.02 100	All	87-92	Headlamps	56.02
200 89-92 400 89-90 89-90 90-92 Parking lamps 57.02 400 89-90 90-92 Parking lamps 57.02 400 90-92 Parking lamps 57.02 57.04 57.04 57.04 All 87-91 Illumination of instruments and controls 58.01 200 87-92 lillumination of instruments and controls 58.03 200 87-88 lillumination of instruments and controls 60.01 300/400 87-88 lillumination of instruments and controls 60.01 300 87-88 lillumination of instruments and controls 60.02 100 87-92 lillumination of instruments and controls 60.01 100 87-92 lillumination of instruments and controls 60.01 100 87-88 lillumination of instruments and controls 60.02 100 87-88 lillumination of instruments and controls 60.02 100	ΔΙΙ	87-88	Parking Jamps	E7.01
400 89-90 Parking lamps 57.02 400 90-92 Parking lamps 57.02 400 90-92 Parking lamps 57.04 All 87-91 Illumination of instruments and controls 58.01 All 91-92 Illumination of instruments and controls 58.01 200 87-82 Illumination of instruments and controls 58.03 200 87-83 Interior lamps - Cab / Van / Crewbus 60.01 300 87-88 Interior lamps - Minibus 60.22 200 87-88 Interior lamps - Minibus 60.22 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph 88-92 Instruments and Warning lamps 61.02 Non-tachograph 89-90 Instruments and Warning lamps 61.03 A-instrument pack 4-instrument pack 4-instruments and Warning lamps 61.05 4-instrument pack 87-88 R7-88 R7-88 R7-88 R7-88 R7-88 R7-88 R7-88 R7-88 R7-88 <t< td=""><td>1</td><td>ſ</td><td></td><td>1 1</td></t<>	1	ſ		1 1
All		1	· · · · · · · · · · · · · · · · · · ·	i i
All		1	, • 1	I I
All 91-92 Illumination of instruments and controls 58.03 200 87-92 Interior lamps - Cab / Van / Crewbus 60.01 300 /400 87-88 Interior lamps - Minibus 60.22 200 87-88 Interior lamps - Minibus 60.22 200 88-92 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph Non-tachograph Non-tachograph S-instrument pack 4-instrument pack 4-instrument pack 4-instrument pack 791-92 Instruments and Warning lamps 701.05 61.02 4-instrument pack 71-92 91-92 Instruments and Warning lamps 701.05 61.05 7achograph 71-91 87-88 Instruments and Warning lamps 701.05 61.22 7achograph 71-92 87-88 Instruments and Warning lamps 701.05 61.22 7achograph 71-92 87-90 Instruments and Warning lamps 701.05 61.22 7achograph 71-92 1991 Instruments and Warning lamps 701.22 61.23 7achograph 71-92 190-92 Horn / Cigar lighter 701.03 61.25 All 87-90 Horn / Cigar lighter		00 02	T and g lamps	37.04
200	All	87-91	Illumination of instruments and controls	58.01
300/400 87-92 Interior lamps - Cab / Van / Crewbus 60.02 200 87-88 Interior lamps - Minibus 60.21 300 87-88 Interior lamps - Minibus 60.22 200 88-92 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph Non-tachograph Non-tachograph Non-tachograph S-instrument pack 4-instrument pack 191-92 Instruments and Warning lamps 101.06 61.03 Nachograph Tachograph Tachograph 1991 87-88 Instruments and Warning lamps 101.07 61.06 Tachograph Tachograph 1991 1991 Instruments and Warning lamps 101.07 61.22 Tachograph 1991 19-92 Instruments and Warning lamps 101.07 61.23 Tachograph 1991 19-92 Instruments and Warning lamps 101.23 61.24 Tachograph 1992 19-92 Instruments and Warning lamps 101.23 61.25 All 1991 1991 1991 1991 1991 1991 All 1991 1991 1991 1991	Aii	91-92	Illumination of instruments and controls	58.03
300/400 87-92 Interior lamps - Cab / Van / Crewbus 60.02 200 87-88 Interior lamps - Minibus 60.21 300 87-88 Interior lamps - Minibus 60.22 200 88-92 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph Non-tachograph Non-tachograph Non-tachograph S-instrument pack 4-instrument pack 191-92 Instruments and Warning lamps 101.06 61.03 Nachograph Tachograph Tachograph 1991 87-88 Instruments and Warning lamps 101.07 61.06 Tachograph Tachograph 1991 1991 Instruments and Warning lamps 101.07 61.22 Tachograph 1991 19-92 Instruments and Warning lamps 101.07 61.23 Tachograph 1991 19-92 Instruments and Warning lamps 101.23 61.24 Tachograph 1992 19-92 Instruments and Warning lamps 101.23 61.25 All 1991 1991 1991 1991 1991 1991 All 1991 1991 1991 1991	200	87-92	Interior lamps - Cab / Van / Crewbus	60.01
200 87-88 Interior lamps - Minibus 60.21 300 87-88 Interior lamps - Minibus 60.22 200 88-92 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph Non-tachograph Non-tachograph 3-instrument pack 4-instrument pack 4-instrument pack 4-instrument pack 2-instruments and Warning lamps 61.02 1991 1991 Instruments and Warning lamps 61.05 1achograph Tachograph Tachograph 87-88 Instruments and Warning lamps 61.06 1achograph Tachograph Tachograph 1991 Instruments and Warning lamps 61.23 1achograph Tachograph Tachograph 1991 Instruments and Warning lamps 61.23 1achograph Tachograph Tachograph Tachograph 1991 Instruments and Warning lamps 61.23 1all Struments and Warning lamps Instruments and Warning lamps 61.23 1nstruments and Warning lamps 61.23 1all Struments and Warning lamps Instruments and Warning lamps 61.24 61.23 1nstruments and Warning lamps 61.23 1all Struments and Warning lamps Instruments and Warning lamps 61.24	ļ		·	1 1
300 87-88 Interior lamps - Minibus 60.22 200 88-92 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.23 Non-tachograph Non-tachograph Non-tachograph 3-instrument pack 4-instrument pack 4-instrument pack 4-instrument pack 7achograph		ı		i i
200 88-92 Interior lamps - Minibus 60.23 300/400 88-92 Interior lamps - Minibus 60.24 Non-tachograph Non-tachograph Non-tachograph 3-instrument pack 4-instrument pack 4-instru	ĺ		1	1 1
300/400 88-92 Interior lamps - Minibus 60.24 Non-tachograph Non-tachograph Non-tachograph S-990 Non-tachograph S-instrument pack 4-instrument pack 4-instrument pack 4-instrument pack Tachograph Tachograph Tachograph Tachograph Instruments and Warning lamps Instruments and Warning lamps 61.02 61.02 61.03 Instruments and Warning lamps 61.02 61.03 61.05 Instruments and Warning lamps 61.05 61.06 61.06 61.07 Instruments and Warning lamps 61.02 61.05 61.06 61.07 Instruments and Warning lamps 61.02 61.06 61.07 61.06 61.07 61.06 61.07 61.06 61.07 61.06 61.07 61.06 61.07 61.06 61.07 61.06 61.07	200		,	1 1
Non-tachograph Non-tachograph 3-instrument pack 4-instrument pack Tachograph Tachograph Tachograph 1991 89-90 1-92 1992 1992 1992 1993 1994 1994 1995 1994 1995 1994 1995 1996 1996 1996 1997 1997 1997 1998 1999 1999 1999 1999	300/400	88-92	<u>'</u>	1 1
Non-tachograph Non-tachograph 3-instrument pack 4-instrument pack Tachograph Tachograph Tachograph 1991 89-90 1-92 1992 1992 1992 1993 1994 1994 1995 1994 1995 1994 1995 1996 1996 1996 1997 1997 1997 1998 1999 1999 1999 1999	Nie a de als assessits	07.00	Laste and the state of the stat	
Non-tachograph 1991 Instruments and Warning lamps 61.05 3-instrument pack 91-92 Instruments and Warning lamps 61.06 4-instrument pack 91-92 87-88 Instruments and Warning lamps 61.07 Tachograph 89-90 Instruments and Warning lamps 61.22 Tachograph 1991 Instruments and Warning lamps 61.23 Tachograph 1991 Instruments and Warning lamps 61.24 Tachograph 1991 Instruments and Warning lamps 61.25 All 87-90 Horn / Cigar lighter 71.01 All 1991 Horn / Cigar lighter 71.02 All 91-92 Horn / Cigar lighter 71.03 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 M70 Alarm system 95.01 Diesel 200 90-92 M70 Alarm system 95.01 400 89-91		1		
3-instrument pack 91-92 Instruments and Warning lamps 61.06 4-instrument 91-92 Instruments and Warning lamps 61.07 Tachograph 87-88 Instruments and Warning lamps 61.22 Tachograph 1991 Instruments and Warning lamps 61.23 Tachograph 1991 Instruments and Warning lamps 61.24 Tachograph 91-92 Horn / Cigar lighter 71.01 All 87-90 Horn / Cigar lighter 71.02 All 1991 Horn / Cigar lighter 71.03 All 91-92 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 M70 Alarm system 95.01 Petrol 200 90-92 M70 Alarm system 95.01 400 89-91 Air suspension 96.01				I I
4-instrument pack Tachograph Tac		l		1 1
Tachograph 87-88 Instruments and Warning lamps 61.22 Tachograph 1991 Instruments and Warning lamps 61.23 Tachograph 91-92 Instruments and Warning lamps 61.24 All 87-90 Horn / Cigar lighter 71.01 All 1991 Horn / Cigar lighter 71.02 All 91-92 Horn / Cigar lighter 71.03 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 M70 Alarm system 95.01 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01				1 1
Tachograph 89-90 Instruments and Warning lamps 61.23 Tachograph 1991 Instruments and Warning lamps 61.24 Tachograph 91-92 Instruments and Warning lamps 61.25 All 87-90 Horn / Cigar lighter 71.01 All 1991 Horn / Cigar lighter 71.02 All 91-92 Horn / Cigar lighter 71.03 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 M70 Alarm system 95.01 Diesel 200 90-92 M70 Alarm system 95.02 400 89-91 Air suspension 96.01		ì		1 1
Tachograph 1991 Instruments and Warning lamps 61.24 Tachograph 91-92 Instruments and Warning lamps 61.24 All 87-90 Horn / Cigar lighter 71.01 All 1991 Horn / Cigar lighter 71.02 All 91-92 Horn / Cigar lighter 71.03 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 M70 Alarm system 95.01 Petrol 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01	• •			1 1
Tachograph 91-92 Instruments and Warning lamps 61.25 All 87-90 Horn / Cigar lighter 71.01 All 1991 Horn / Cigar lighter 71.02 All 91-92 Horn / Cigar lighter 71.03 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01				1 1
All 1991 Horn / Cigar lighter 71.02 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01				1 I
All 1991 Horn / Cigar lighter 71.02 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01	ΛII	97.00	Harn / Circu limbtor	74.04
All 91-92 Horn / Cigar lighter 71.03 All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01				1
All 87-88 Heater / Radio 75.01 All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 90-92 M70 Alarm system 95.02 400 89-91 Air suspension 96.01				I I
All 1989 Heater / Radio 75.02 All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 89-91 Air suspension 96.01	All	31-32	riom / Cigar lighter	71.03
All 90-91 Heater / Radio 75.03 All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 90-92 M70 Alarm system 95.02 400 89-91 Air suspension 96.01	All	87-88	Heater / Radio	75.01
All 91-92 Heater / Radio 75.04 Diesel 200 90-92 M70 Alarm system 95.01 Petrol 200 90-92 M70 Alarm system 95.02 400 89-91 Air suspension 96.01			Heater / Radio	75.02
Diesel 200 Petrol 200 90-92 90-92 M70 Alarm system M70 Alarm system 95.01 95.02 400 89-91 Air suspension 96.01				i I
Petrol 200 90-92 M70 Alarm system 95.02 400 89-91 Air suspension 96.01	All	91-92	Heater / Radio	75.04
Petrol 200 90-92 M70 Alarm system 95.02 400 89-91 Air suspension 96.01	Diesel 200	90-92	M70 Alarm system	95.01
400 89-91 Air suspension 96.01				1 1
400 91-92 Air suspension 96.02			· · · · · · · · · · · · · · · · · · ·	1 1
	400	91-92	Air suspension	96.02

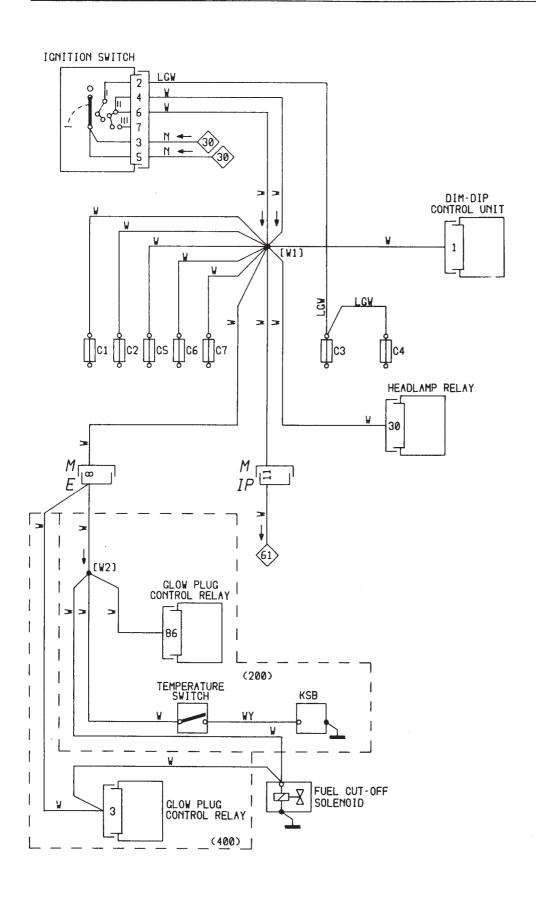


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL ALL	1987-88	UNFUSED IGNITION POWER ENGINE STOPPING	15.02



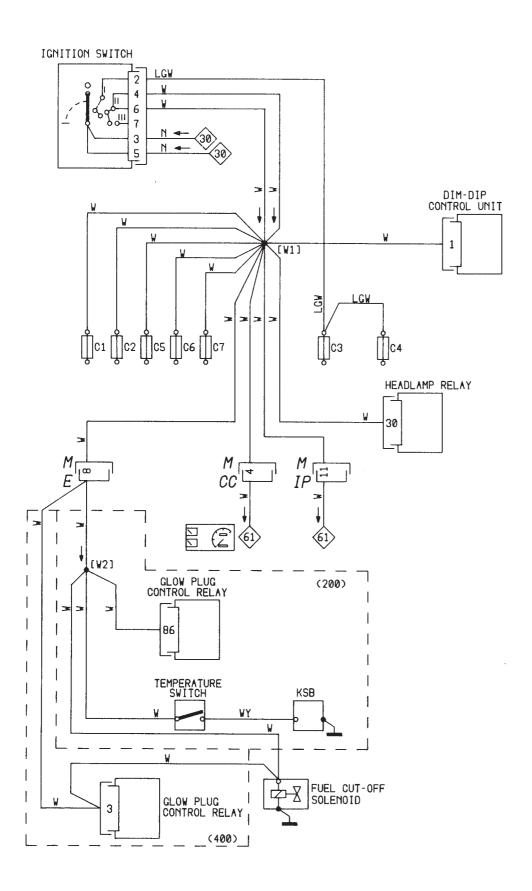


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL ALL	1989-91	UNFUSED IGNITION POWER ENGINE STOPPING	15.03



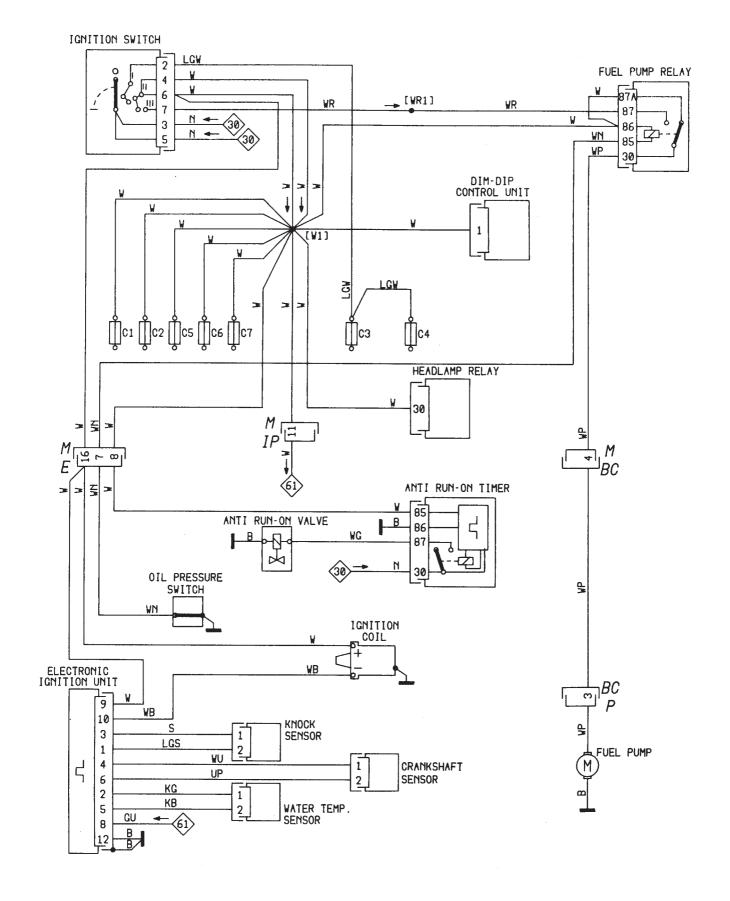


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL ALL	1991-92	UNFUSED IGNITION POWER ENGINE STOPPING	15.05



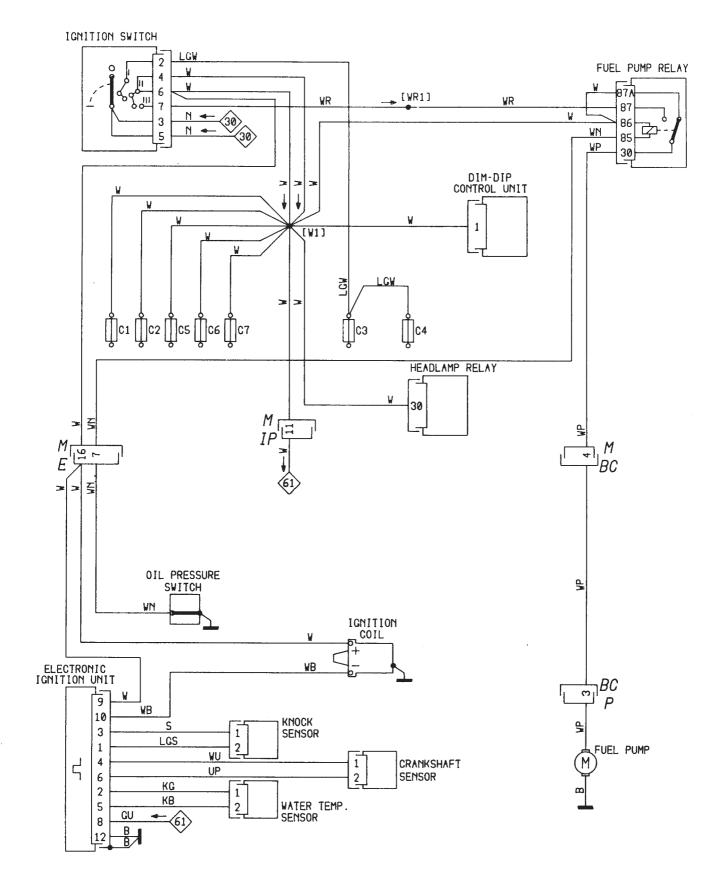


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1987-90	UNFUSED IGNITION POWER ENGINE STOPPING / FUEL PUMP	15.22



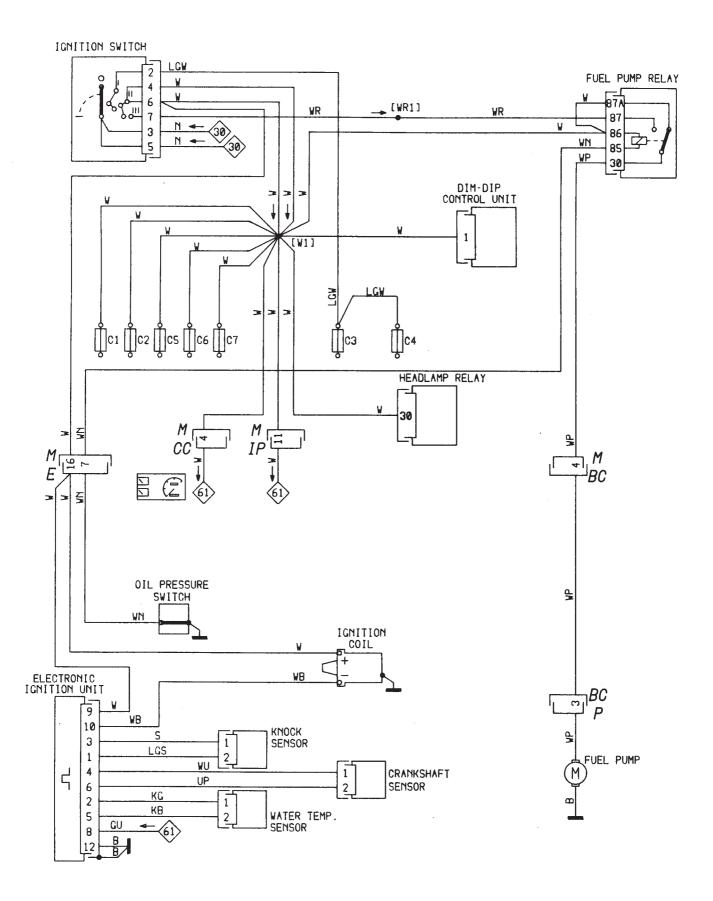


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1990-91	UNFUSED IGNITION POWER FUEL PUMP	15.23



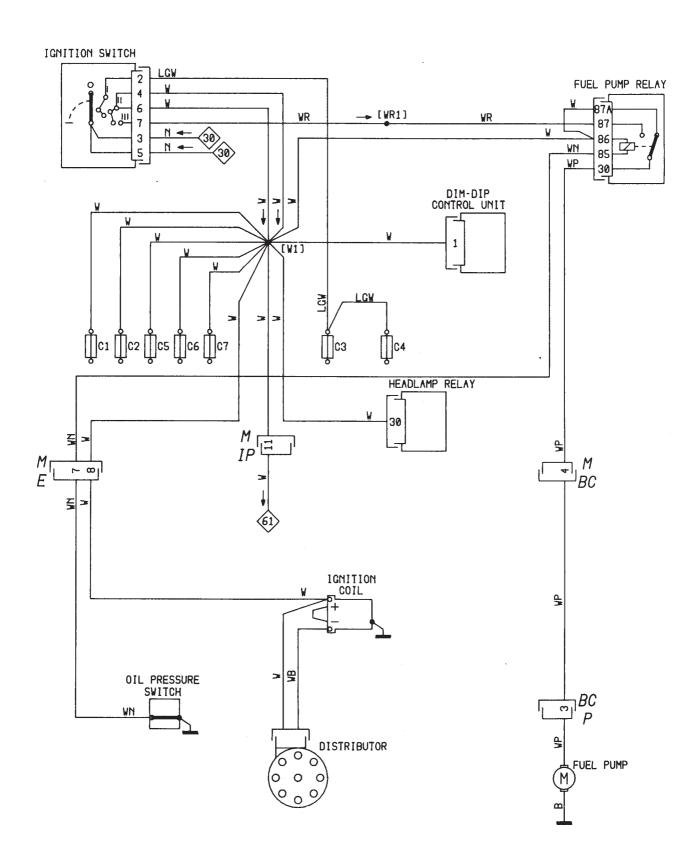


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1991-92	UNFUSED IGNITION POWER FUEL PUMP	15.24



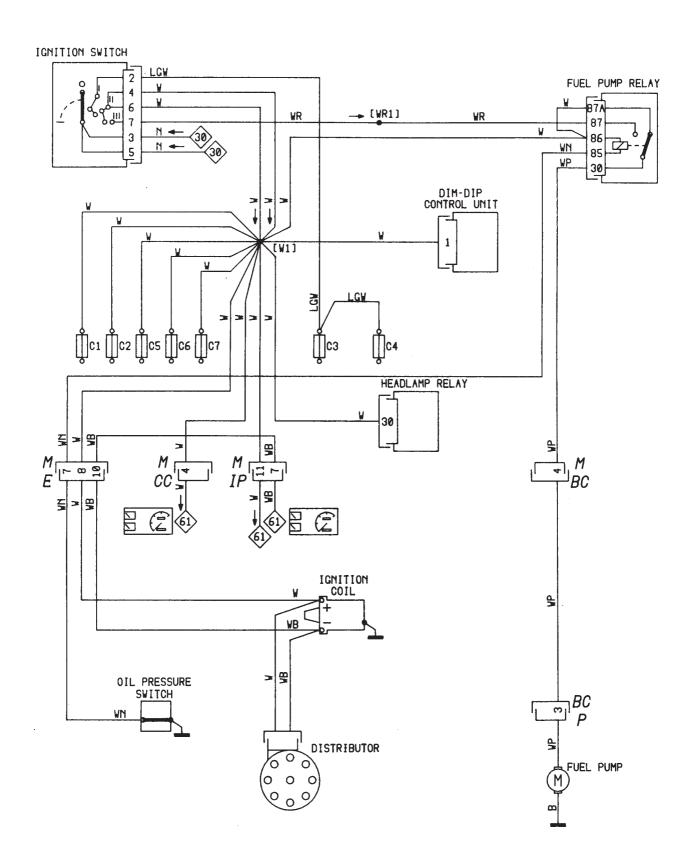


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8 PETROL	1987-91	UNFUSED IGNITION POWER FUEL PUMP	15.42



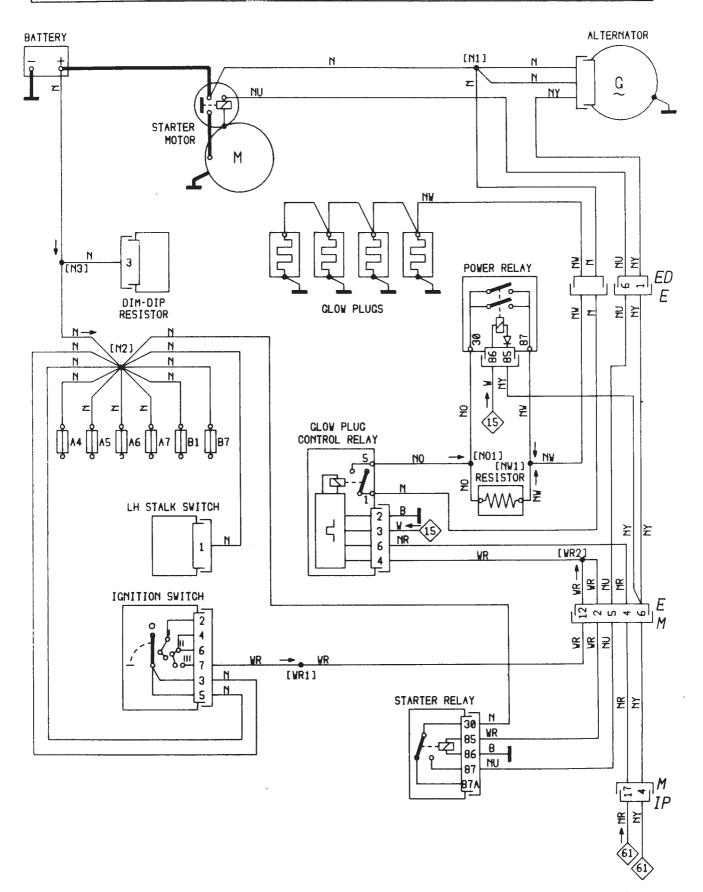


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8 PETROL	1991-92	UNFUSED IGNITION POWER FUEL PUMP	15.44



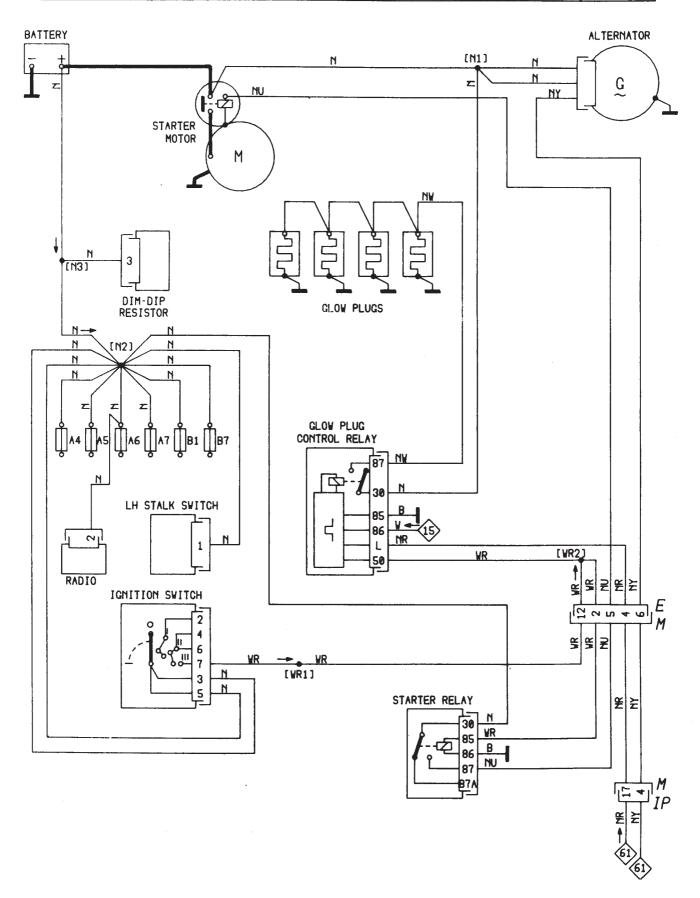


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 200 TN44	1987-88	UNFUSED BATTERY POWER STARTING / CHARGING	30.02



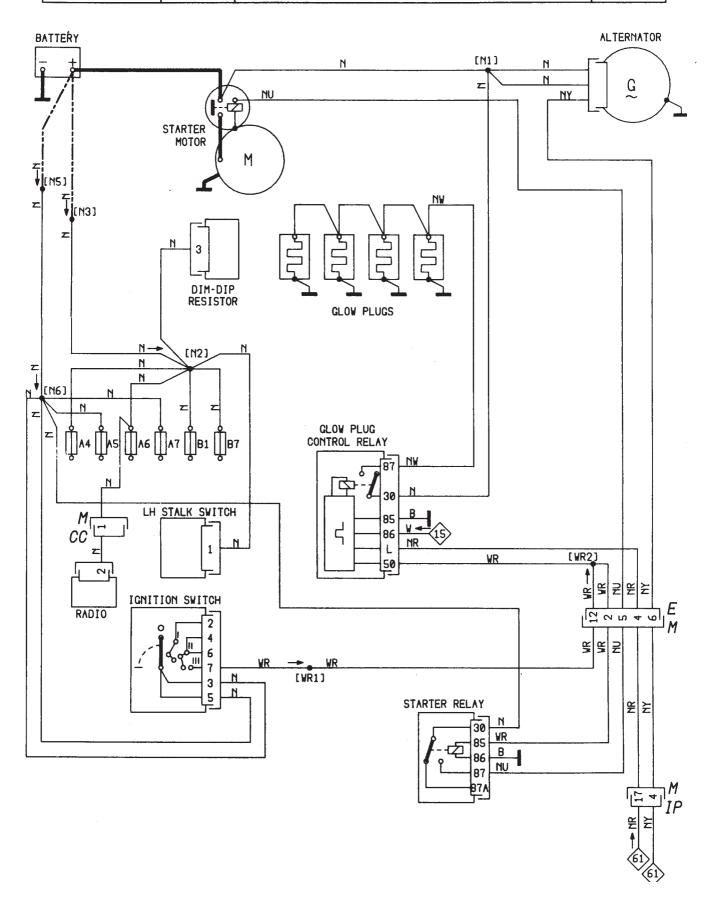


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 200 TN44	1989-91	UNFUSED BATTERY POWER STARTING / CHARGING	30.03



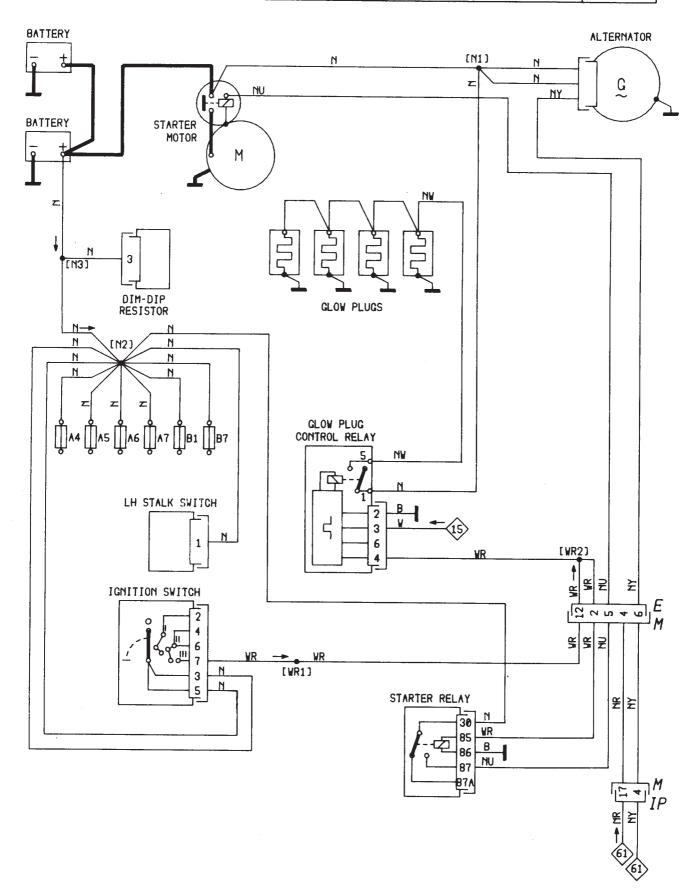


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 200 TN44	1991-92	UNFUSED BATTERY POWER STARTING / CHARGING	30.04



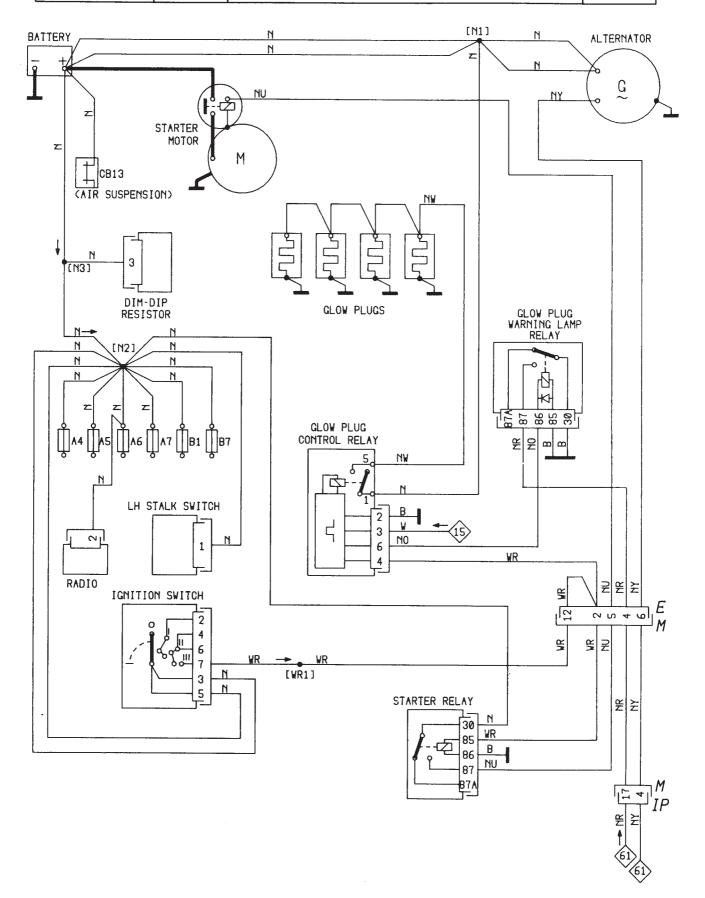


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 300 BN52 (15J)	1987-88	UNFUSED BATTERY POWER STARTING / CHARGING	30.22



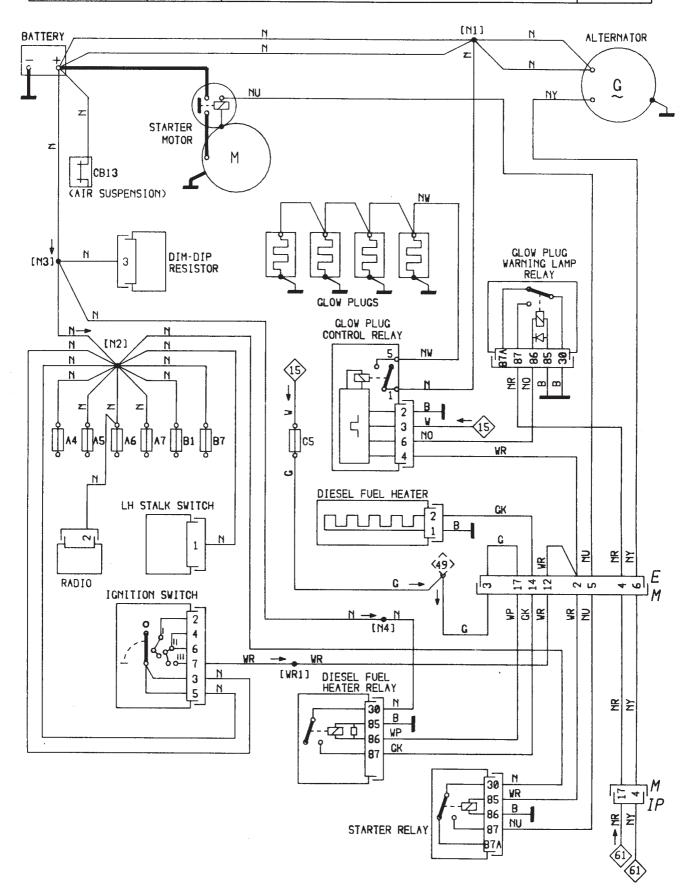


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 400 EN/ET	1989-90	UNFUSED BATTERY POWER STARTING / CHARGING	30.23



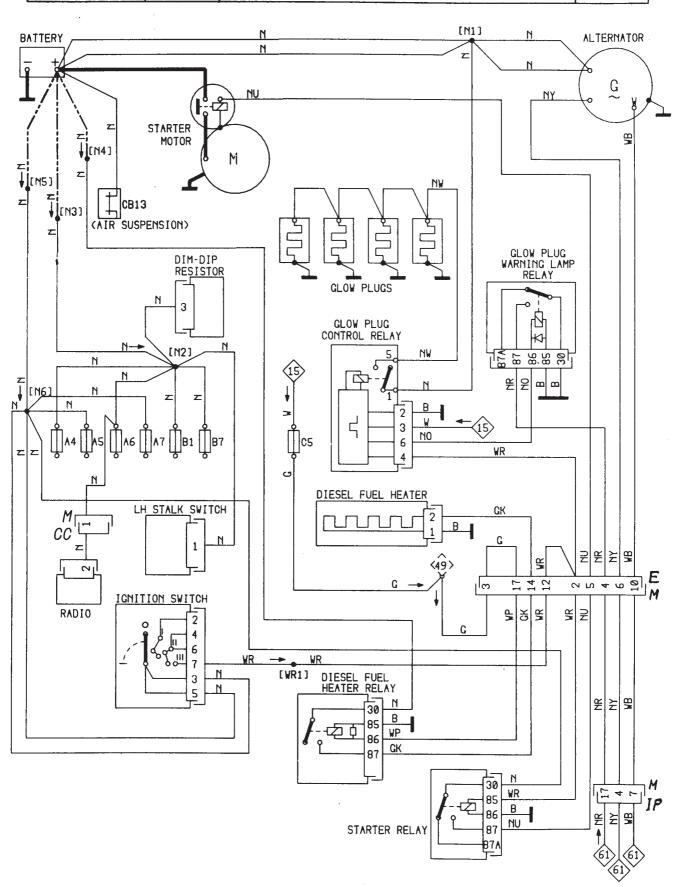


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 400 EN/ET	1991	UNFUSED BATTERY POWER STARTING / CHARGING	30.25



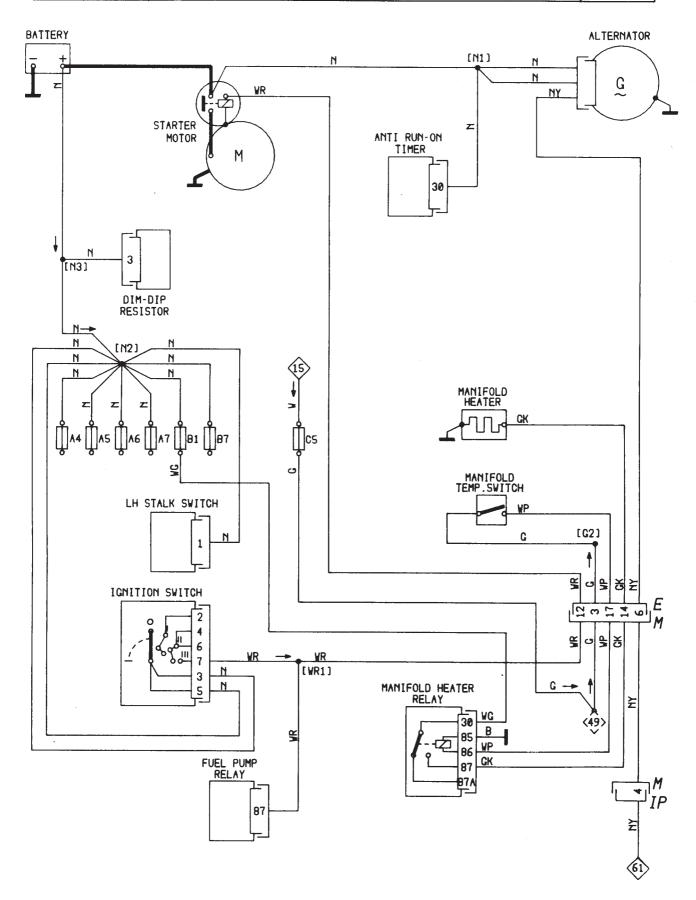


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 400 EN/ET	1991-92	UNFUSED BATTERY POWER STARTING / CHARGING	30.26



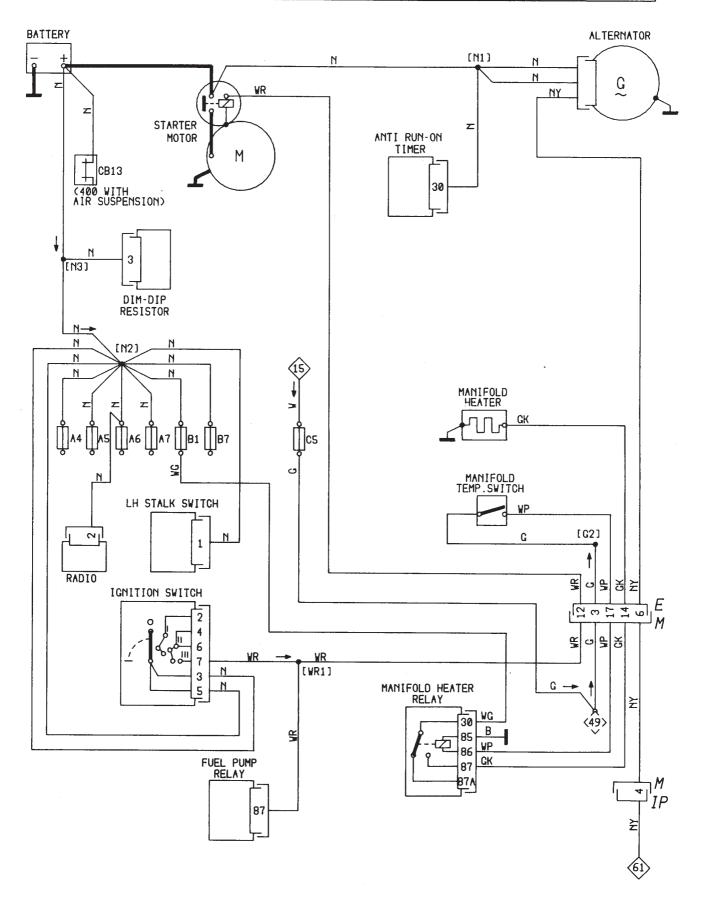


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1987-88	UNFUSED BATTERY POWER STARTING / CHARGING	30.42



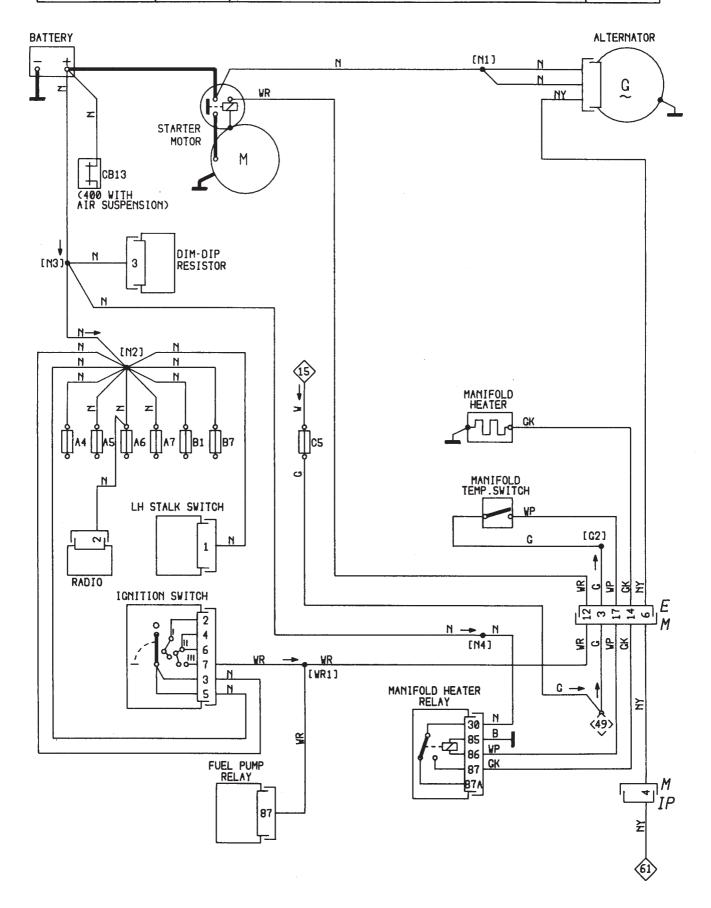


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1989-90	UNFUSED BATTERY POWER STARTING / CHARGING	30.43



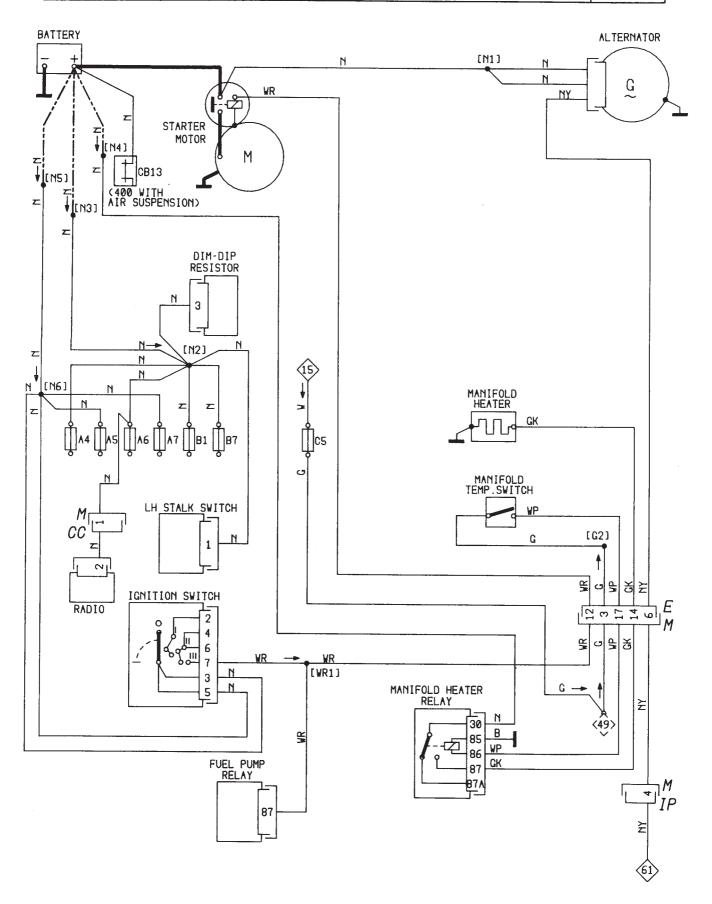


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1990-91	UNFUSED BATTERY POWER STARTING / CHARGING	30.44



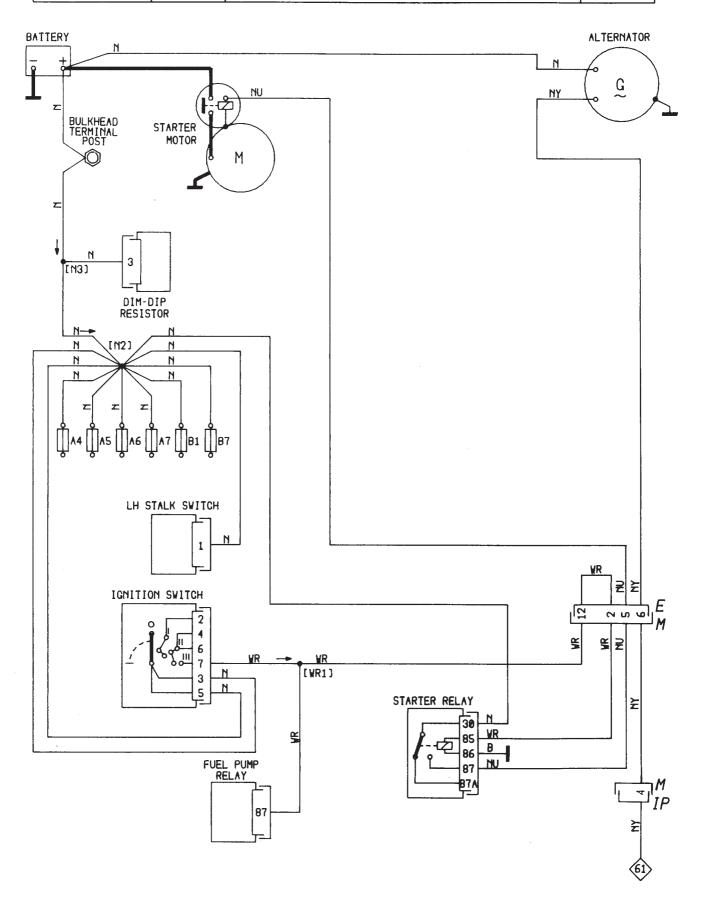


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1991-92	UNFUSED BATTERY POWER STARTING / CHARGING	30.45



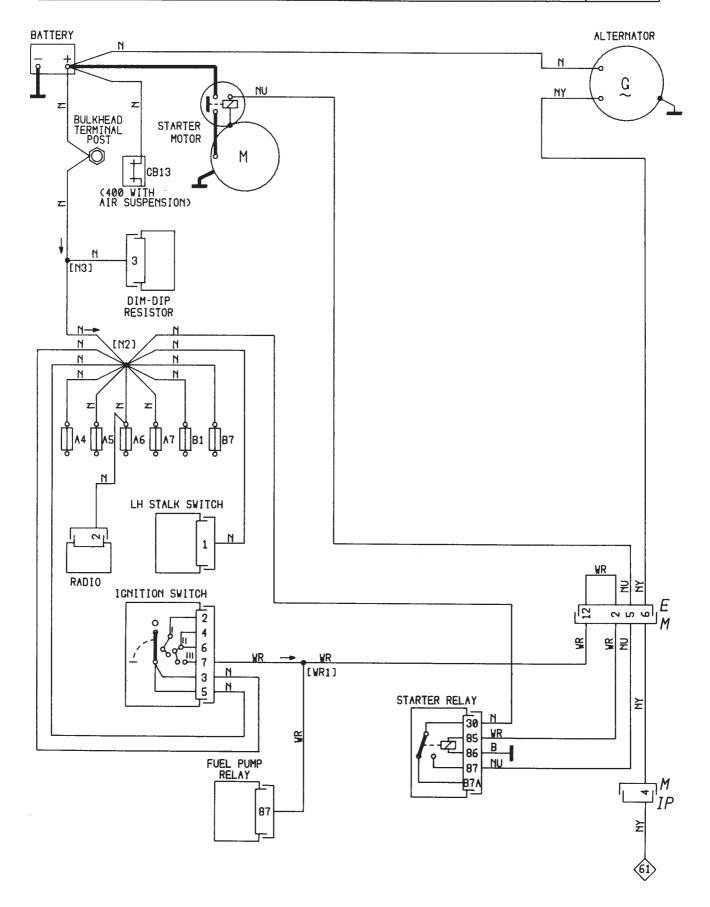


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8 PETROL	1987-88	UNFUSED BATTERY POWER STARTING / CHARGING	30.62



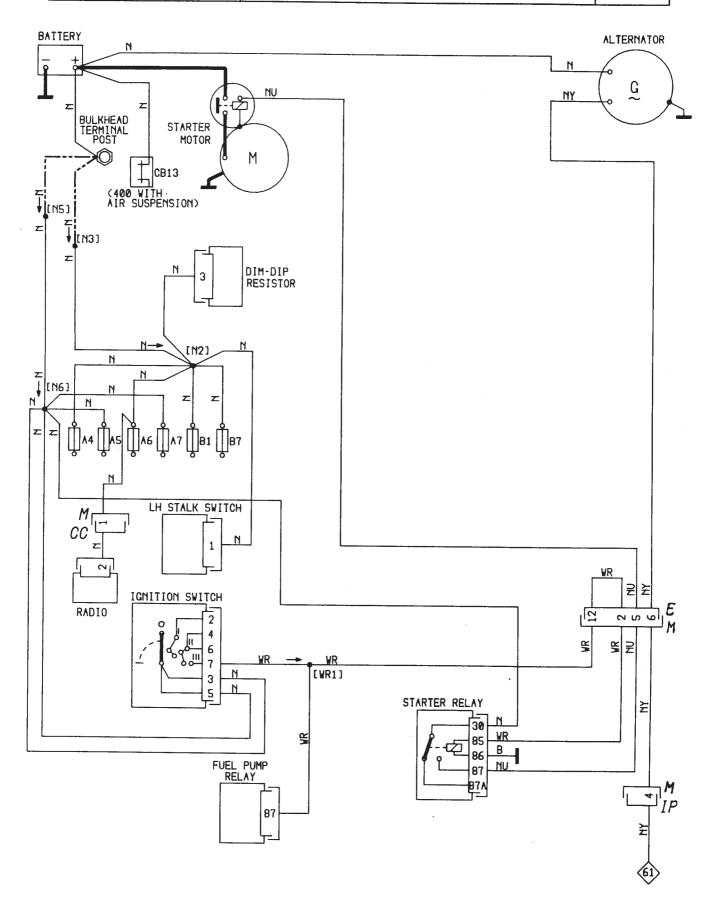


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8 PETROL	1989-91	UNFUSED BATTERY POWER STARTING / CHARGING	30.63



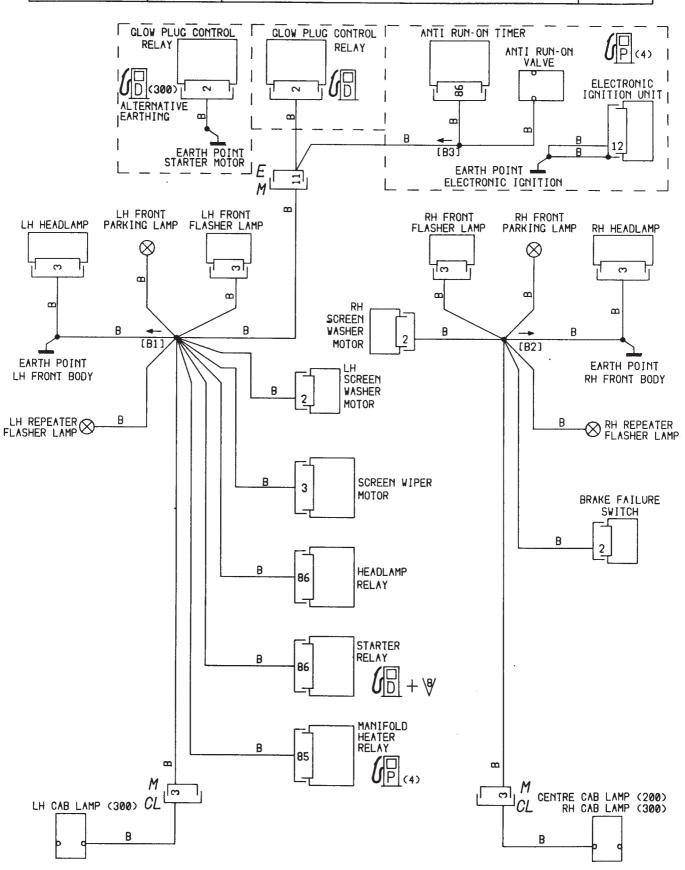


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8 PETROL	1991-92	UNFUSED BATTERY POWER STARTING / CHARGING	30.65





MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-88	EARTHING FRONT END	31.02

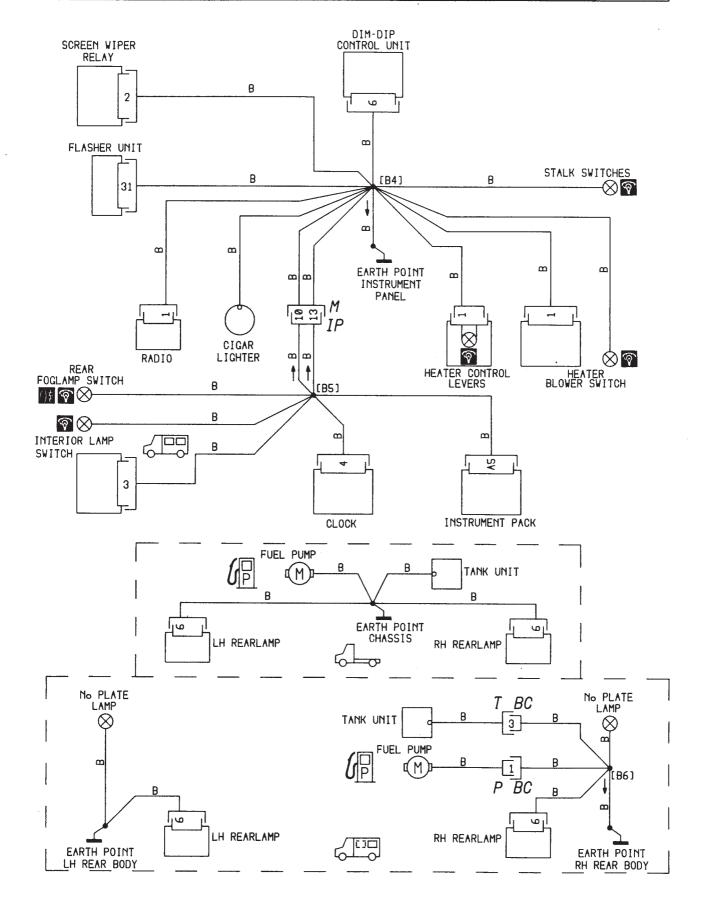




MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1989	EARTHING FRONT END	31.03
GLOW PLUG CONTROL RELAY (400)	B 82 83 82 1	ANTI RUN-ON VALVE	ELECTRONIC IGNITION UNIT
<u> </u>	ONT LH LAMP FLASH	RH FRONT FLASHER LAMP PARKING LAMP SCREEN WASHER MOTOR B SCREEN WASHER MOTOR	EARTH POINT RH FRONT BODY RH REPEATER FLASHER LAMP BRAKE FAILURE SVITCH
		B B B6 HEADLAMP RELAY (400 WITH AIR ISUSPENSION) STARTER RELAY MOTOR MO	BATTERY ECU
	M ES CL	B B B KNEEL'SW KNEEL'SW KNEEL'SW KNEEL'SW KNEEL'SW KNEEL'SW CENTRE RH	DOWN'RELAY B 85 CAB LAMP (200) CAB LAMP (400)

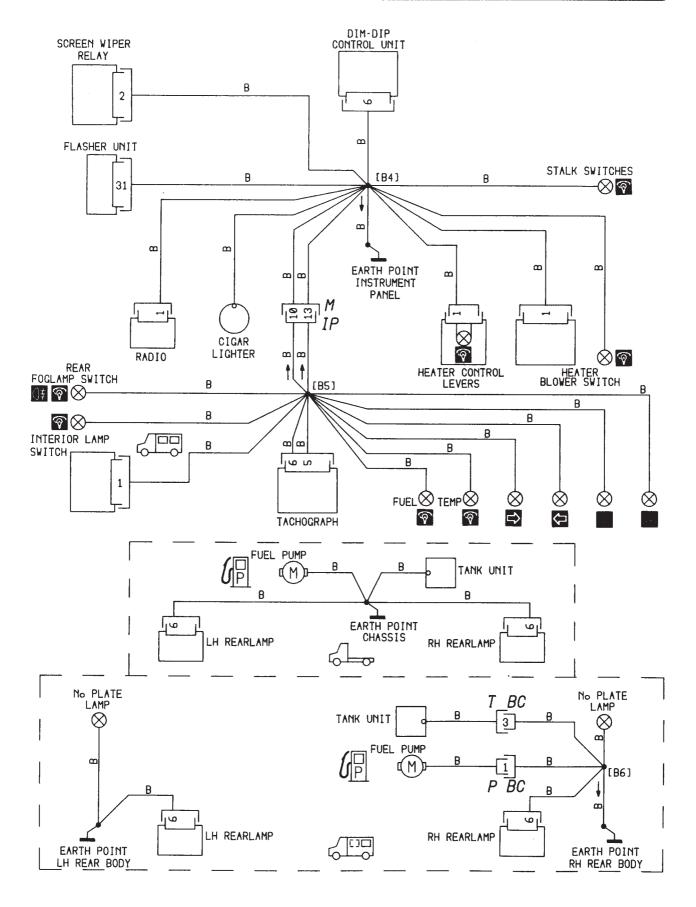


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
NON- TACHOGRAPH	1987-89	EARTHING - INSTRUMENT PANEL AND REAR END	31.22





MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
TACHOGRAPH	1987-89	EARTHING - INSTRUMENT PANEL AND REAR END	31.42



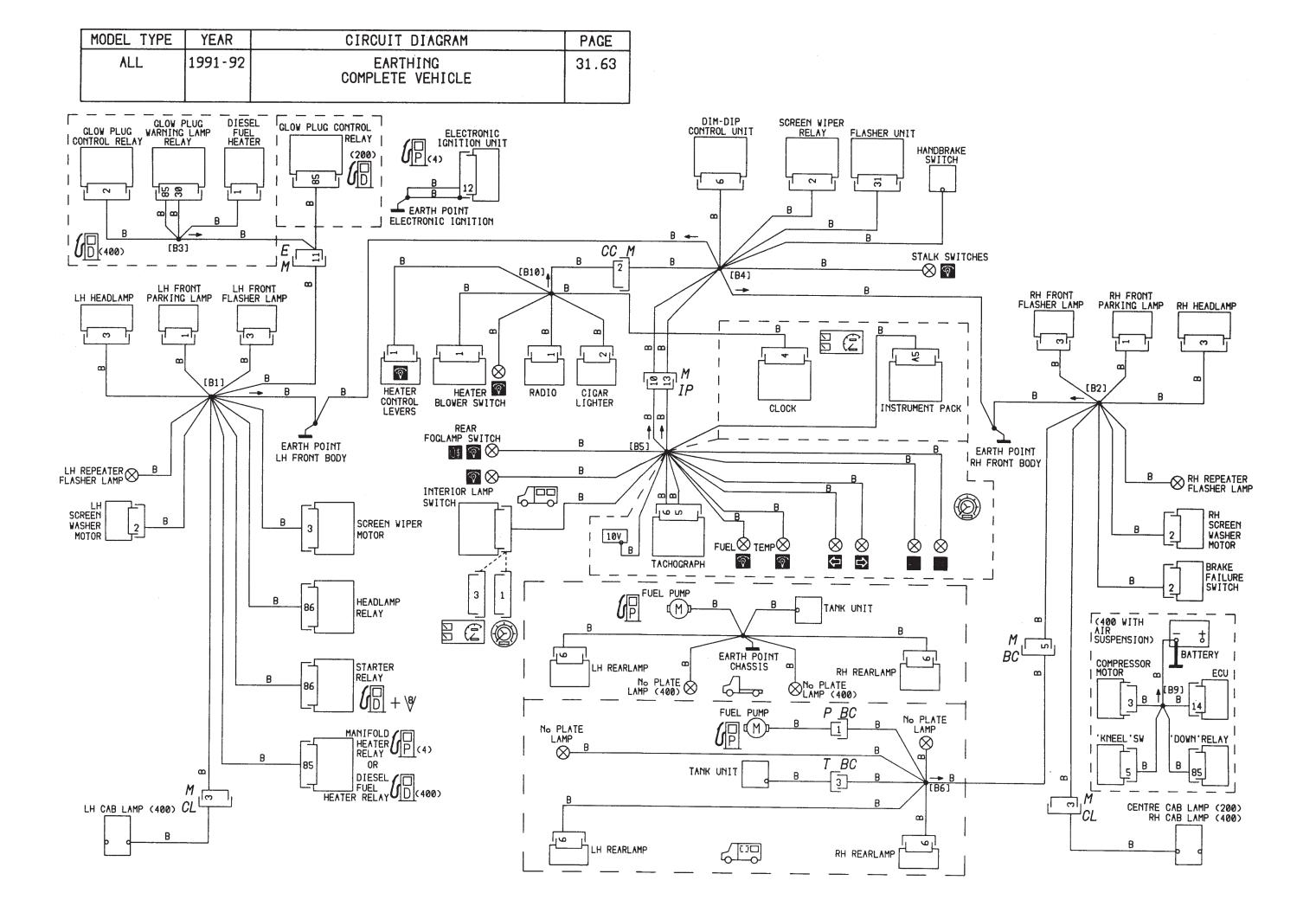
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE	
ALL	1990	EARTHING COMPLETE VEHICLE	31.61	
CLOW P			DIM-DIP HEATER CONTROL HEATER CONTROL UNIT LEVERS BLOWER SWITCH	
GLOW PLUG WARNING CONTROL RELAY RELA		GLOW PLUG CONTROL RELAY (200) P(4) B 12 EARTH POINT	CONTROL UNIT LEVERS BLOWER SWITCH	
B B (400) (B3)	<u>→ B</u>	ELECTRONIC IGNITION	B B STALK SWITCHES	
		M B B	B [B4]	
LH HEADLAMP PARKING	ONT LH LAMP FLASH	ER LAMP	FLASHER LAMP PARKING LAMP RH HEADLAMP	
ω	[81]	B B SCREEN WIPER FLASHER UNIT	RADIO CIGAR PIP IP B	
		REAR FOGLAMP SWITCH	CLOCK INSTRUMENT PACK	
LH REPEATER ⊗ B FLASHER LAMP		EARTH POINT LH FRONT BODY	B (B5) B EARTH POINT RH FRONT BODY B RH REPEATE!	R_
Ĺ╫ ┌ ───────────				
SCREEN 2 B MOTOR		B 3 SCREEN WIPER MOTOR	FUEL & TEMP & SCREEN WASHER MOTOR	
			TACHOGRAPH 🛜 😭 🖒 🛗 🐻	=
		B 86 HEADLAMP 3 1	FUEL PUMP B TANK UNIT	
			EARTH POINT SUSPENSION COMPRESSOR BATTERY	
		B 86 STARTER RELAY	LH REARLAMP CHASSIS RH REARLAMP No PILATE LAMP (400) No PLATE LAMP (400) Sho PLATE LAMP (400)	
		86	FUEL PUMP PBC No PLATE	
		MANIFOLD P (4)		
	M E		B B CENTRE CAB LAMP (200)	>
LH CAB LAMP (400)				,
			LH REARLAMP RH REARLAMP THE ARLAMP THE ARLAM	

EARTH POINTS - ALL MODELS 1990 200&400 200&400 200 🕏 400

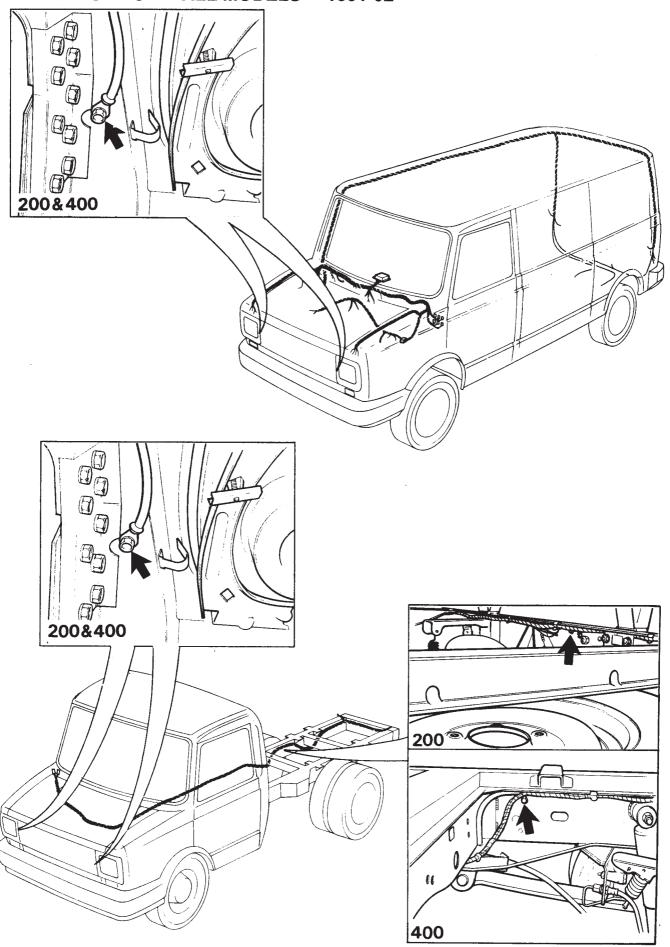
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE			
ALL	1991	EARTHING COMPLETE VEHICLE	31.62			
<u> </u>						
CLOW PLUG WARNING LY CONTROL RELAY RELAY B C(400) (B3)	DIESI AMP FUEI HEATI	C200) P(4) B 12 EARTH POINT ELECTRONIC IGNITION B			STALK SWITCHES	
LH FROM	T 141	- J M B	В	[B4]	———⊗ কৃ	
LH HEADLAMP PARKING L	AMP FLÄSHI	ER LAMP			RI FLAS	FRONT RH FRONT HER LAMP PARKING LAMP RH HEADLAMP
	ا ل			B B D C	B	
8	[B1]	B	NDIO CIGAR	M IP		[82]
		RELAY	LIGHTER	© CLOCK	INSTRUMENT PACK	В
		REAR FOGLAMP SWITCH EARTH POINT LH FRONT BODY	В	1851	B EARTH POINT RH FRONT BOD	
LH REPEATER FLASHER LAMP		কি ⊗	B	BBB		B RH REPEATER FLASHER LAMP
SCREEN B B MOTOR 2		INTERIOR LAMP SWITCH SWITCH MOTOR	10V	TACHOGRAPH B B B B B C B C C C C C C		B 2 RH SCREEN WASHER MOTOR
						B BRAKE FAILURE SWITCH
		RELAY L	B 6	FUEL PUMP B TANK UNIT		C400 WITH AIR SUSPENSION
				EARTH POINT CHASSIS CO PH PEAR	J ol BC □	DATTEDY
		B 86 STARTER RELAY D + \8/	LH REAR	No PLATE AMP (400) CHASSIS RH REAF No PLATE LAMP (400)	RLAMP	
		•	No PLATE	FUEL PUMP P BC	B No PLATE LAMP	
		MANIFOLD P (4)	No PLATE LAMP B	O <u>IPI</u> T RC	B	'KNEEL'SW DOWN'RELAY
М	ile li	DIESEL DIESEL HEATER RELAY D (400)	B	TANK UNIT B 3	B B (B6)	M — — — — 85
LH CAB LAMP (400) CL					<u> </u>	CENTRE CAB LAMP (200) RH CAB LAMP (400)
b d <u> </u>			LH REARI	AMP CID RH REAF	RLAMP ()	В

EARTH POINTS - ALL MODELS 1991 200&400 200&400 <u>200</u>

400

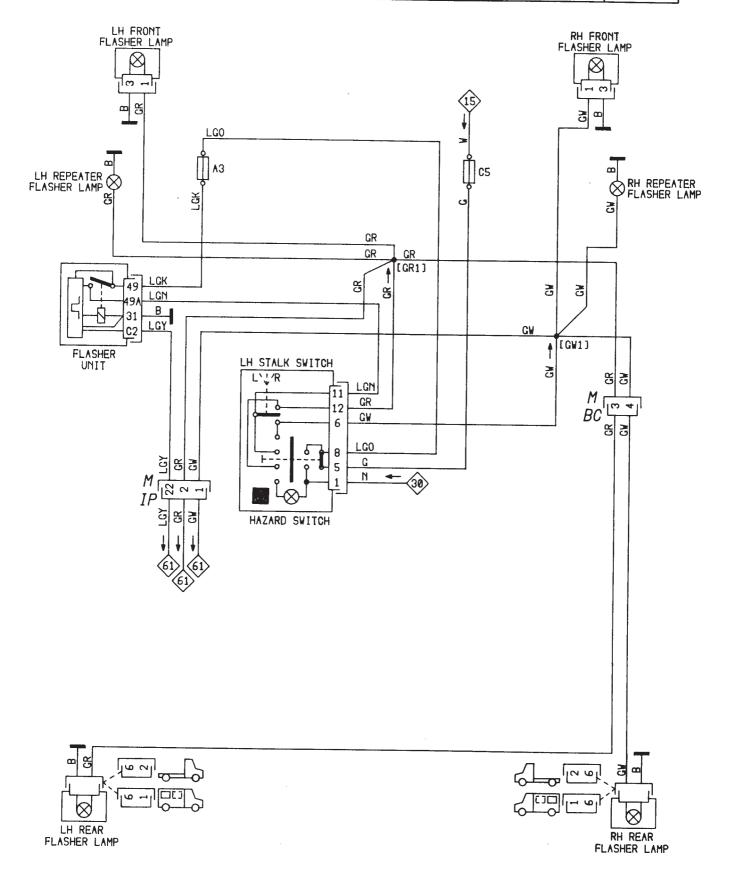


EARTH POINTS - ALL MODELS 1991-92



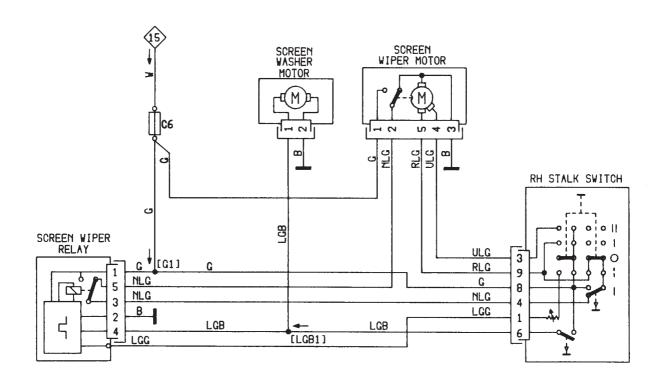


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
۸LĻL	1987-92	DIRECTION INDICATORS HAZARD WARNING	49.01



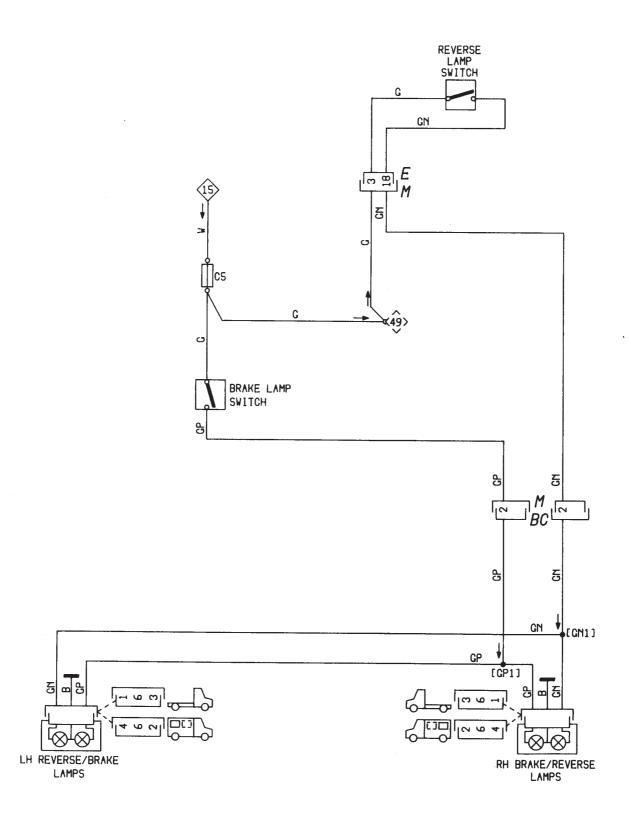


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-92	WIPERS / WASHERS	53.02



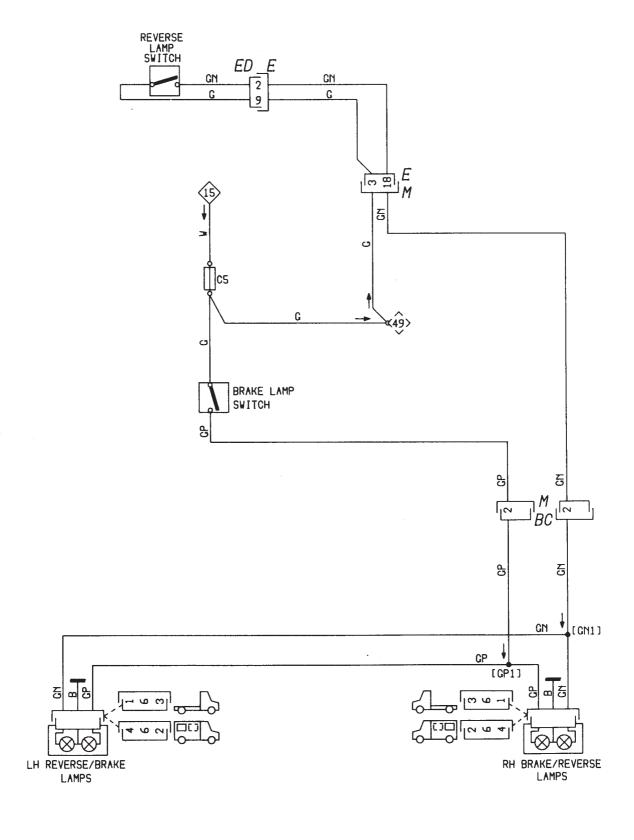


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8	1987-90 1987-92 1989-92	BRAKE LAMPS / REVERSE LAMPS	54.01



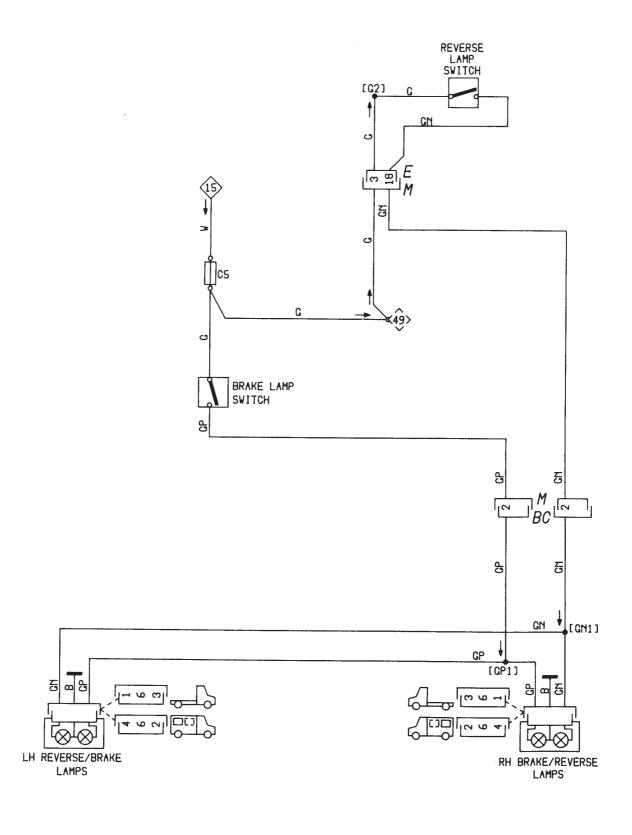


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 200	1987-88	BRAKE LAMPS / REVERSE LAMPS	54.02



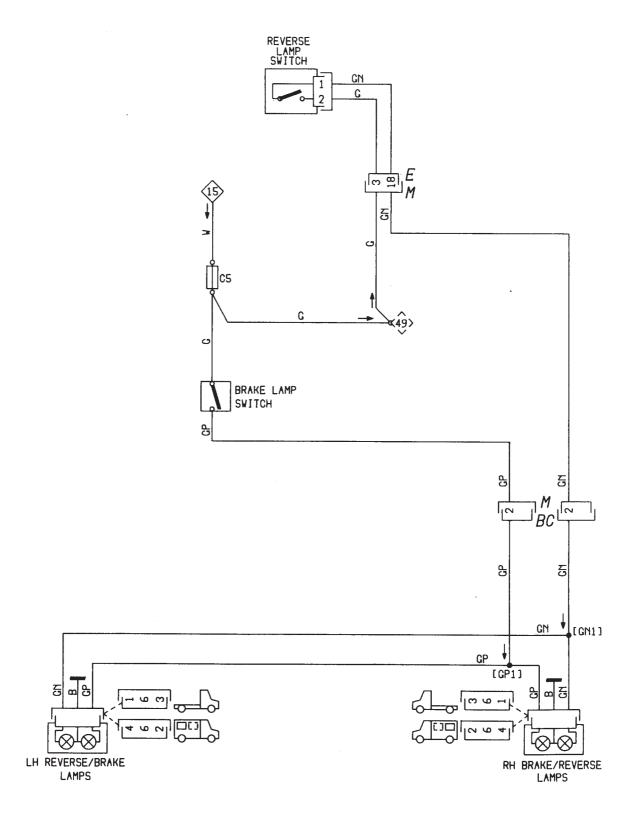


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 CYL PETROL	1987-92	BRAKE LAMPS / REVERSE LAMPS	54.03



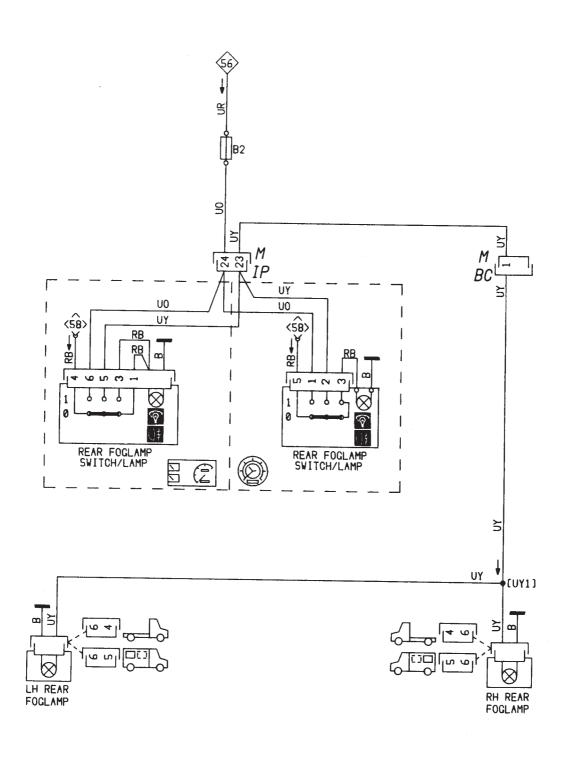


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 400	1991-92	BRAKE LAMPS / REVERSE LAMPS	54.05



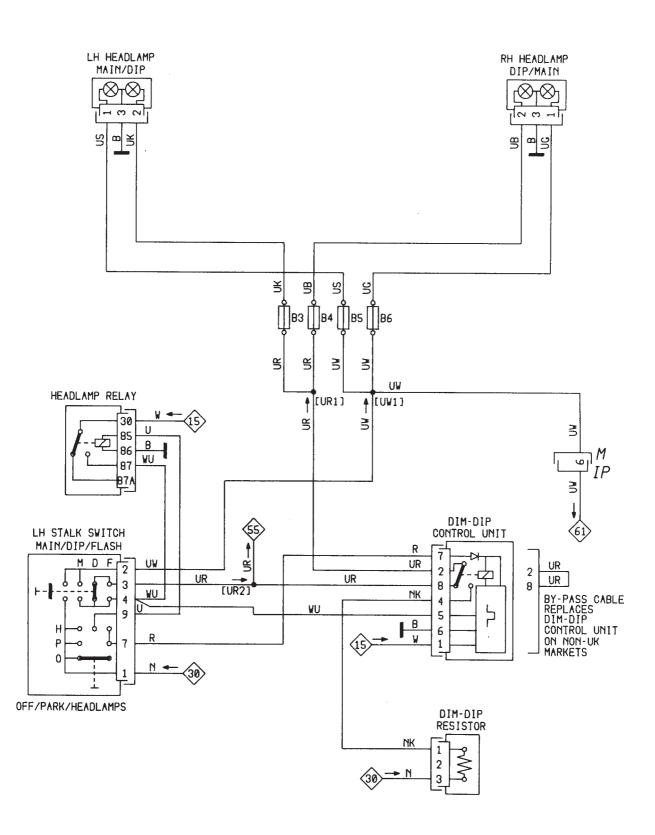


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-92	FOGLAMPS - REAR	55.01



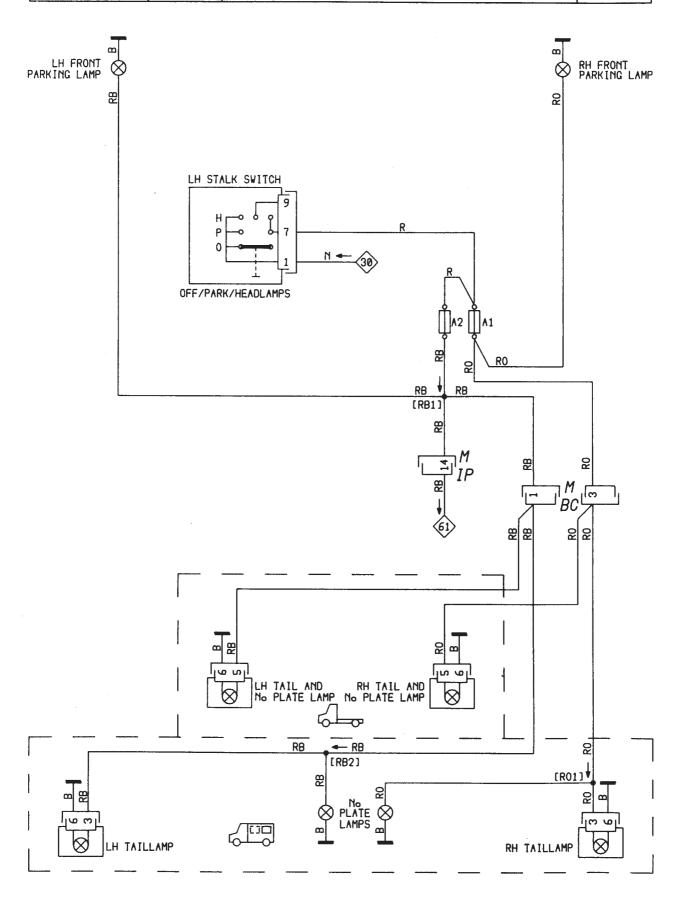


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-92	HEADLAMPS	56.02



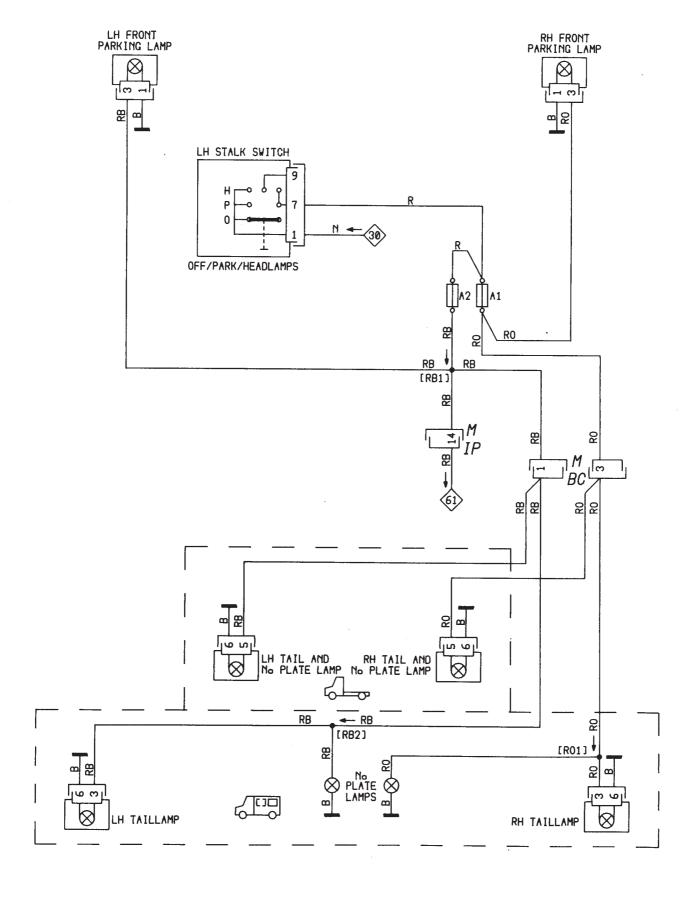


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-88	PARKING LAMPS	57.01



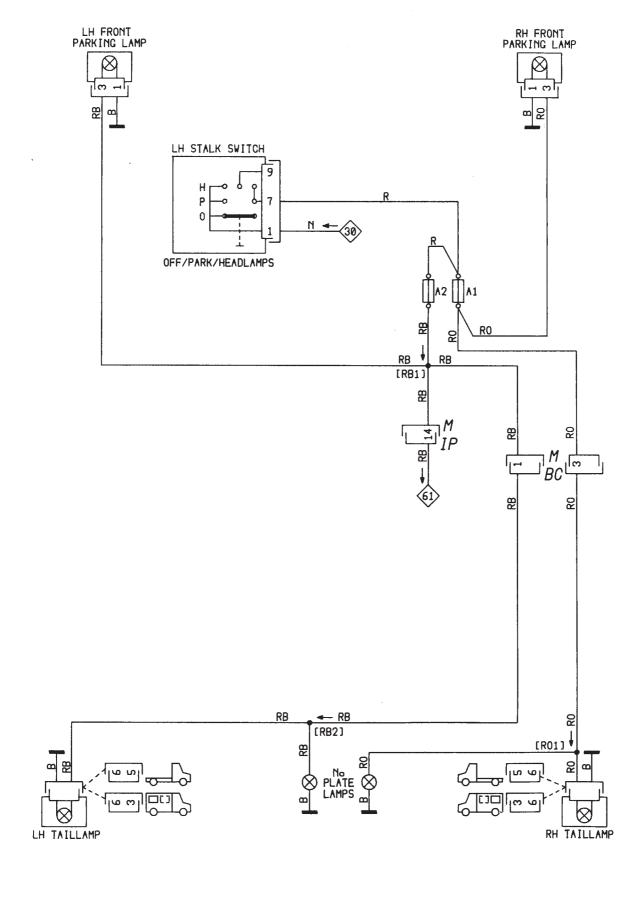


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
200 400	1989-92 1989-90	PARKING LAMPS	57.02



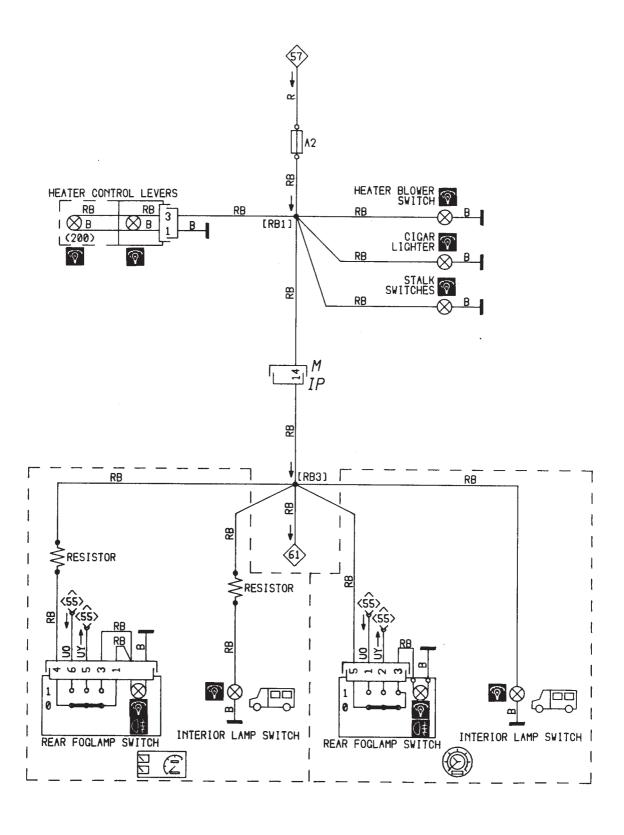


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
400	1990-92	PARKING LAMPS	57.04



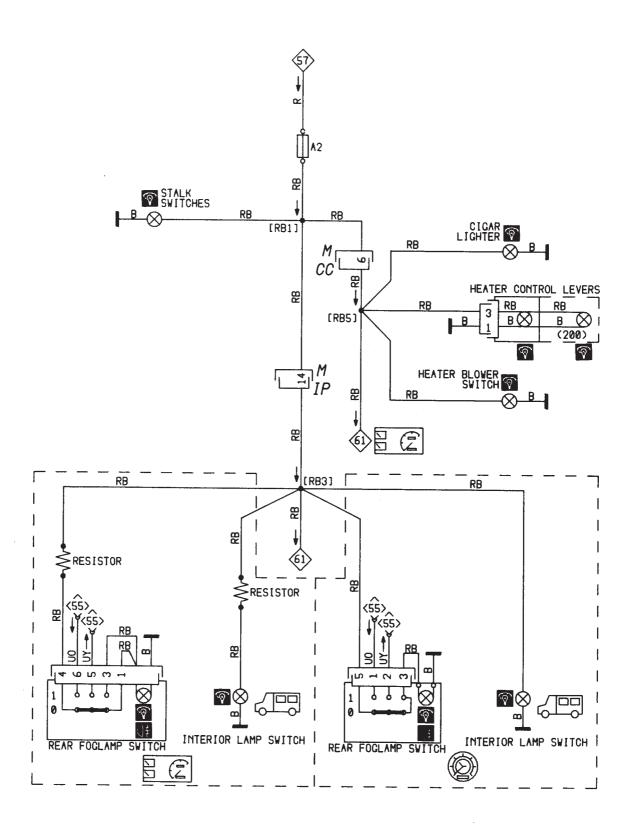


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-91	ILLUMINATION OF INSTRUMENTS AND CONTROLS	58.01



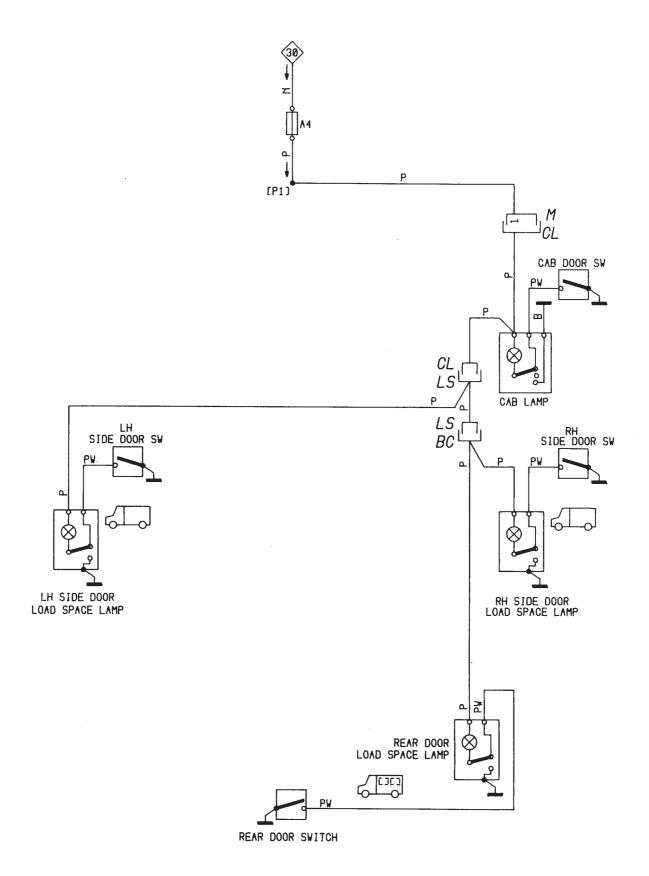


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1991-92	ILLUMINATION OF INSTRUMENTS AND CONTROLS	58.03



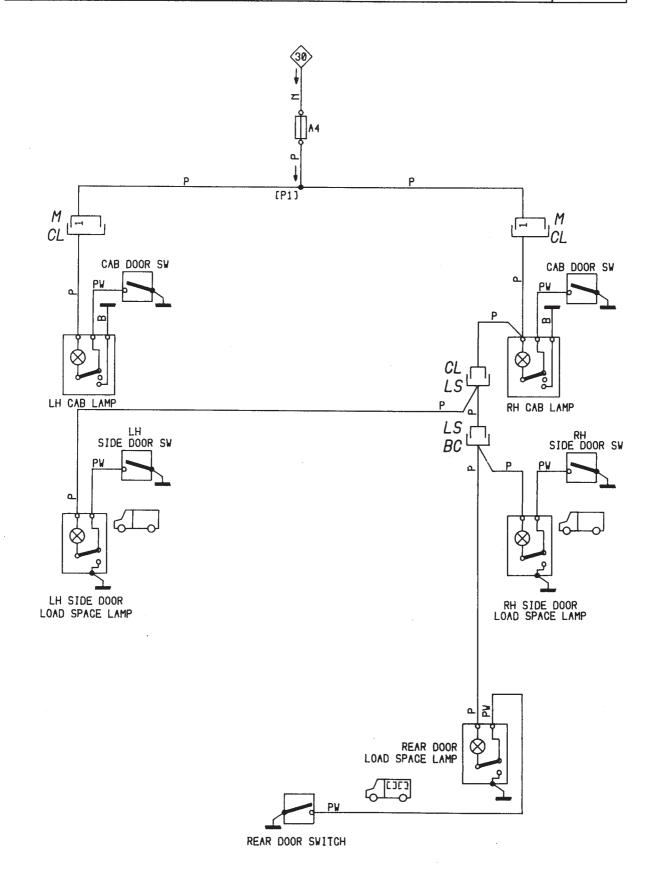


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
200	1987-92	INTERIOR LAMPS CAB / VAN / CREWBUS	60.01



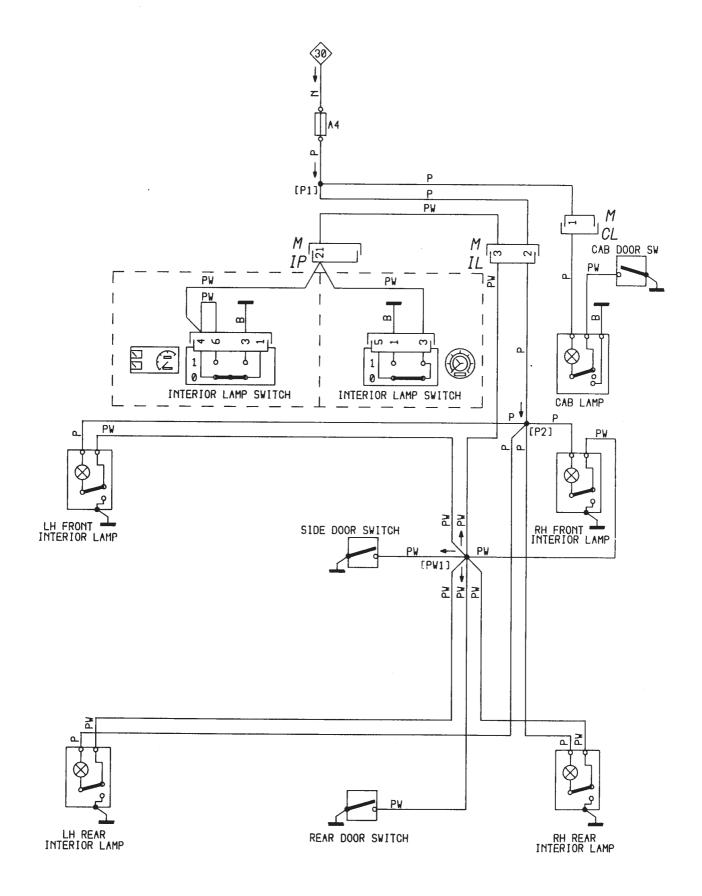


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
300/400	1987-92	INTERIOR LAMPS CAB / VAN / CREWBUS	60.02



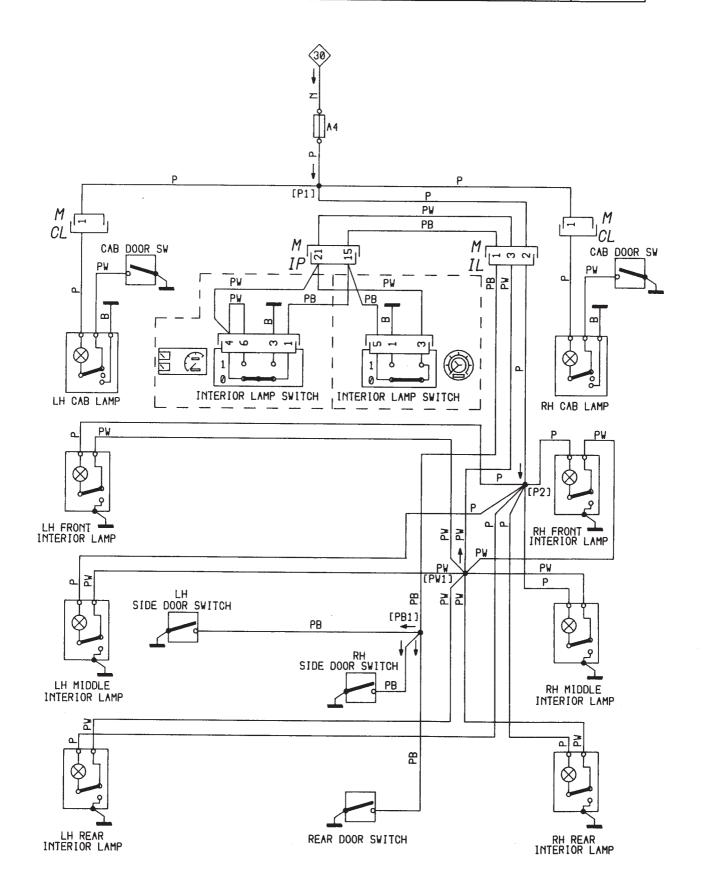


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
200	1987-88	INTERIOR LAMPS MINIBUS	60.21



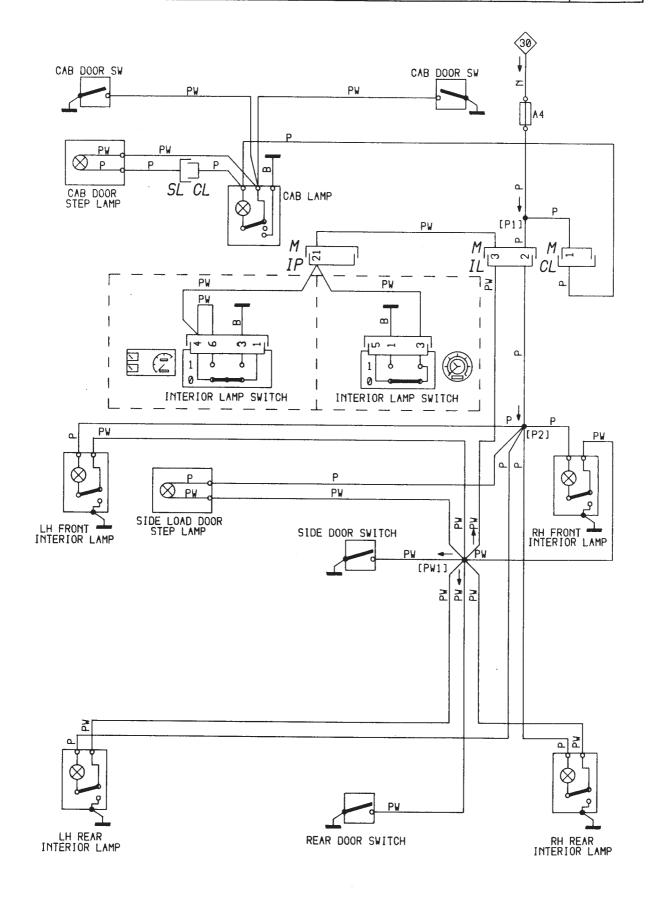


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
300	1987-88	INTERIOR LAMPS MINIBUS	60.22



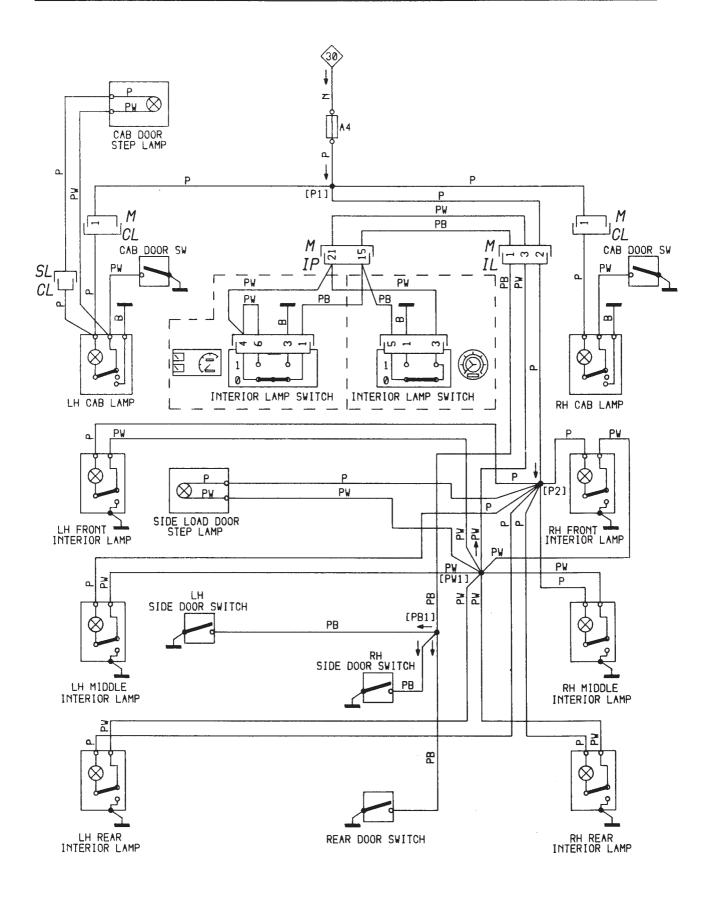


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
200	1988-92	INTERIOR LAMPS MINIBUS	60.23



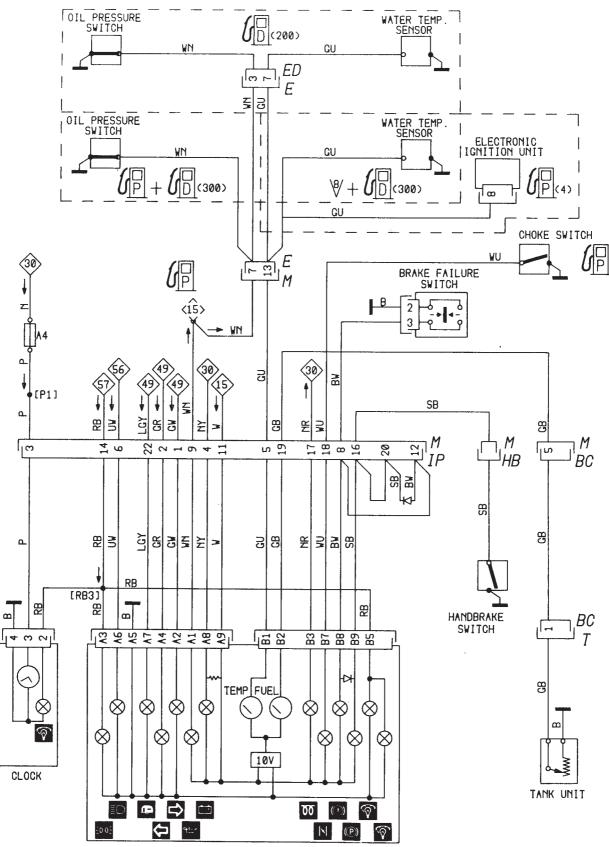


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
300/400	1988-92	INTERIOR LAMPS MINIBUS	60.24





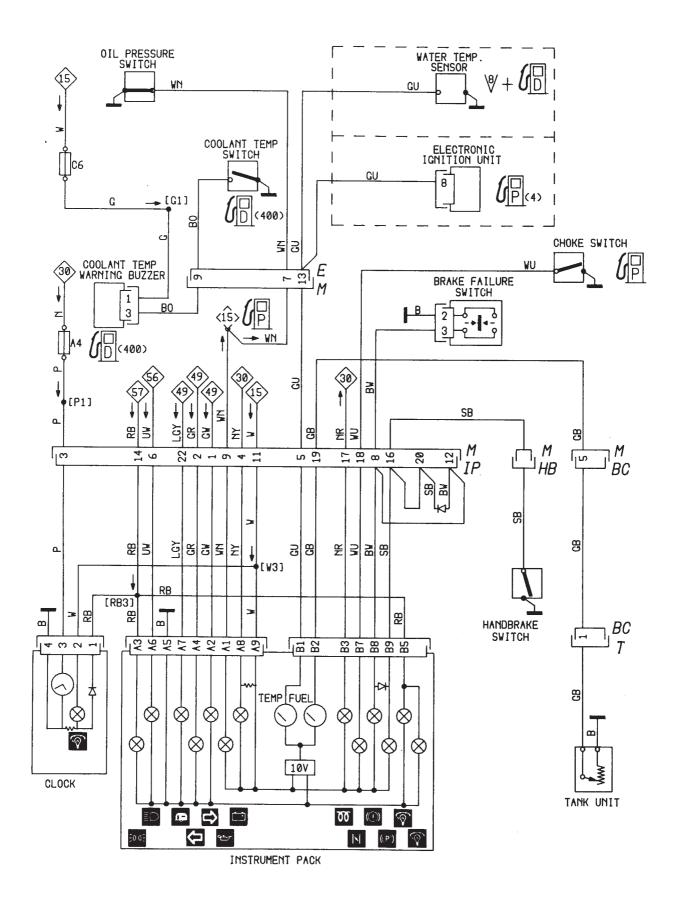
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
NON- TACHOGRAPH	1987-88	INSTRUMENTS AND WARNING LAMPS	61.02



INSTRUMENT PACK

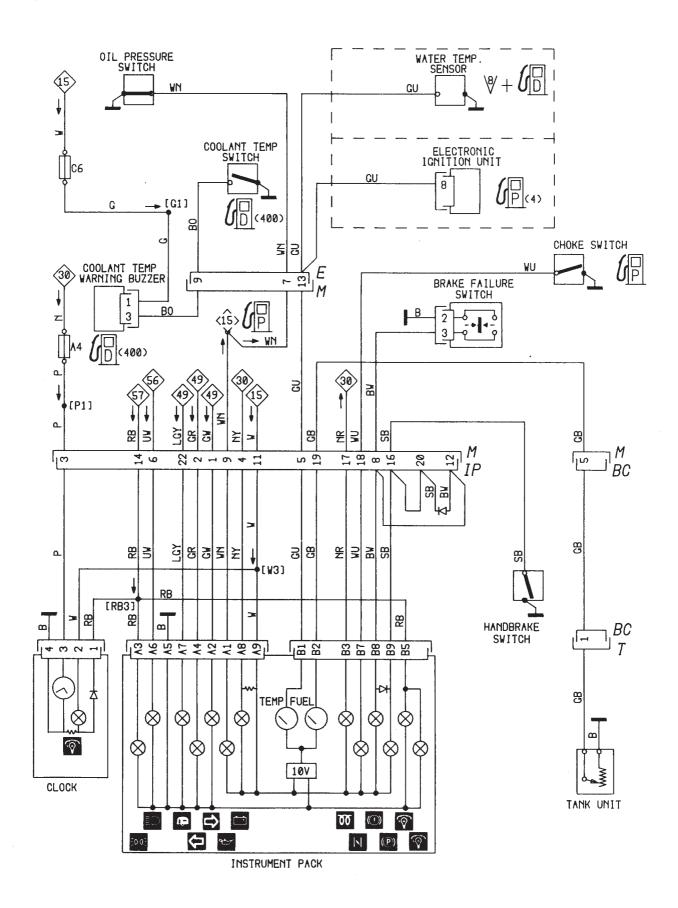


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
NON- TACHOGRAPH	1989-90	INSTRUMENTS AND WARNING LAMPS	61.03



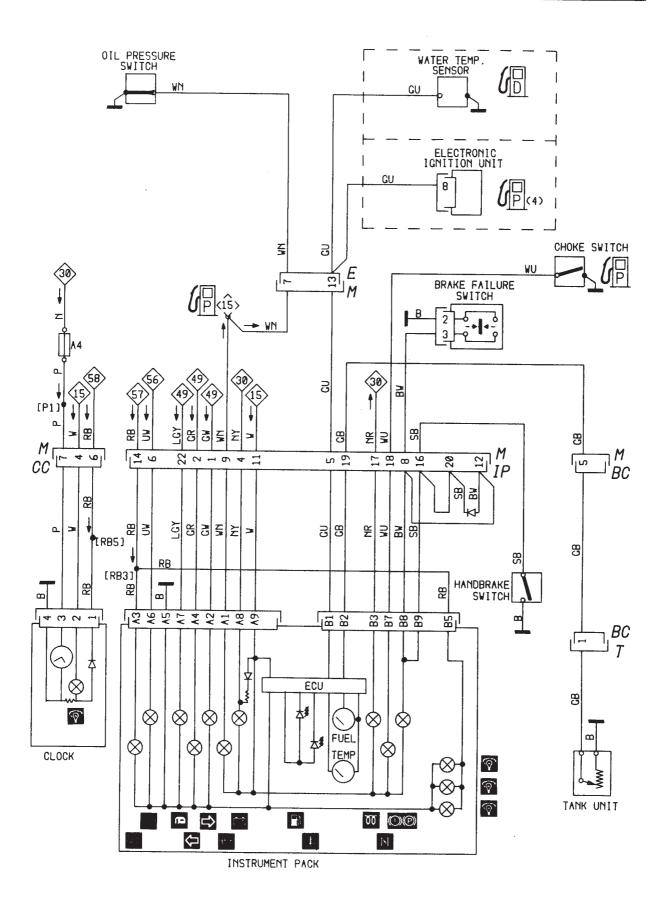


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
NON- TACHOGRAPH	1991	INSTRUMENTS AND WARNING LAMPS	61.05



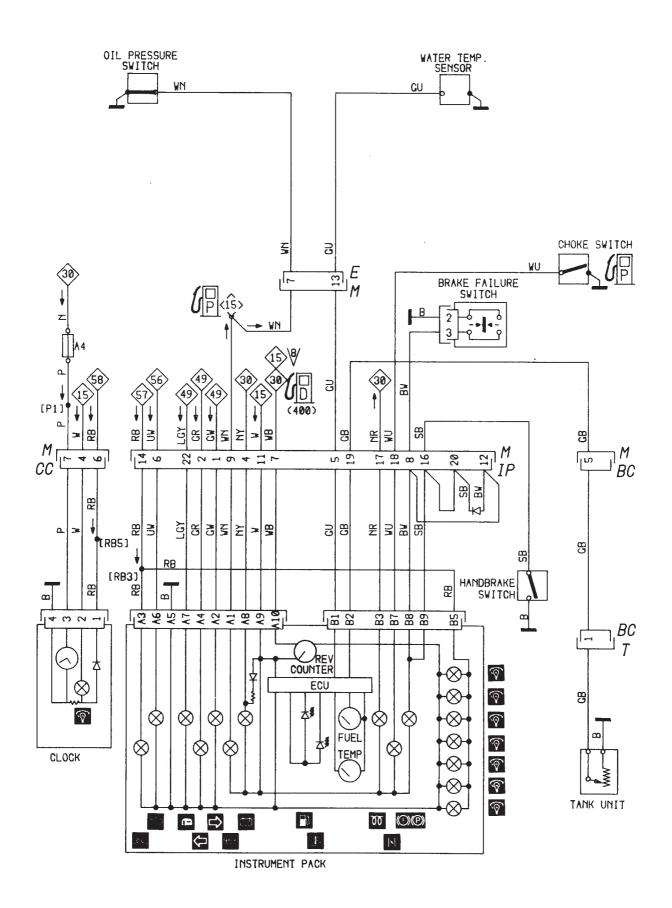


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
3 INSTRUMENT PACK	1991-92	INSTRUMENTS AND WARNING LAMPS	61.06



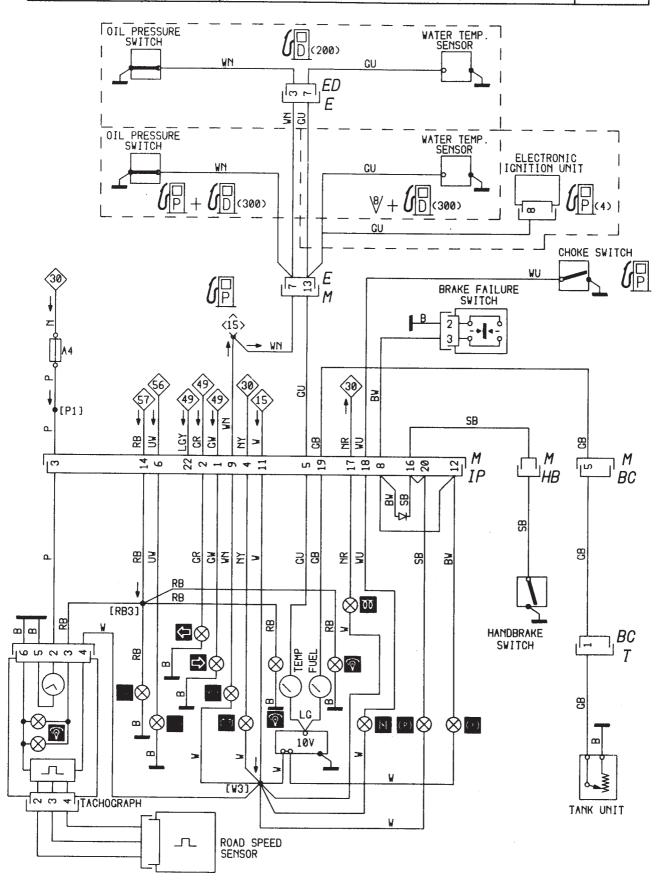


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
4 INSTRUMENT PACK	1991-92	INSTRUMENTS AND WARNING LAMPS	61.07



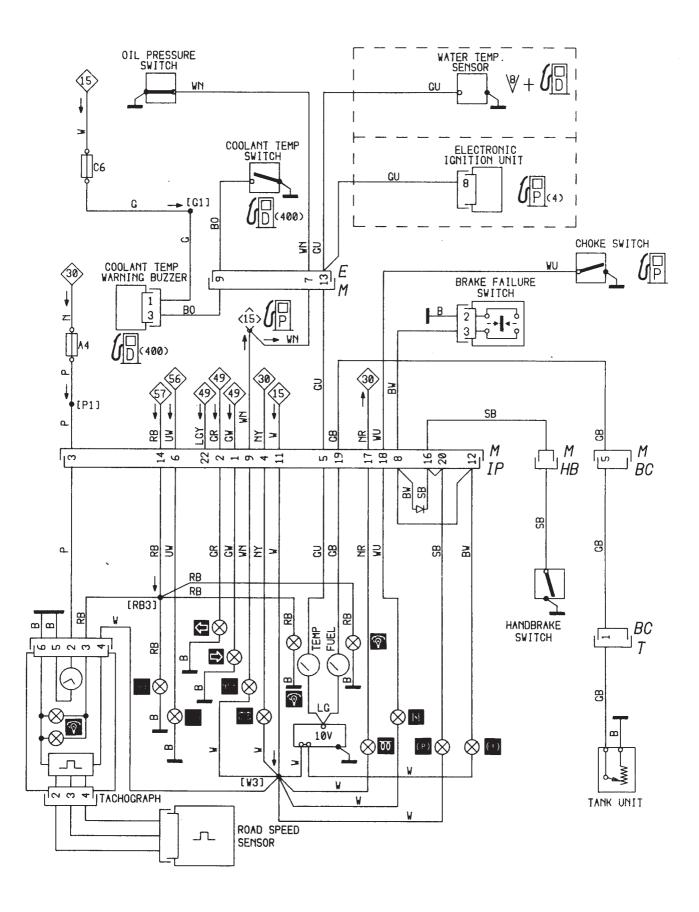


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
TACHOGRAPH	1987-88	INSTRUMENTS AND WARNING LAMPS	61.22



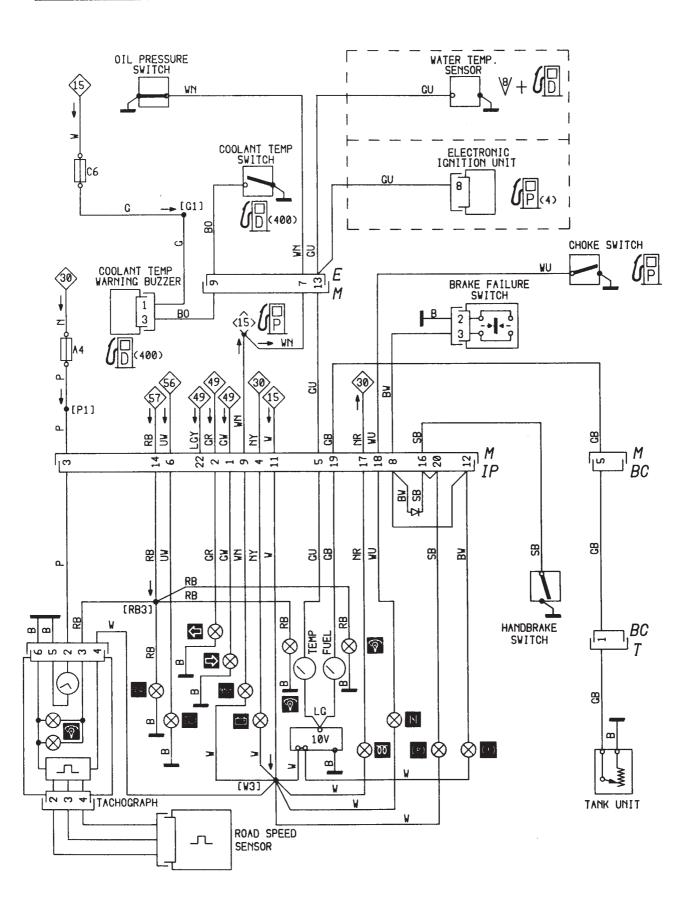


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
TACHOGRAPH	1989-90	INSTRUMENTS AND WARNING LAMPS	61.23



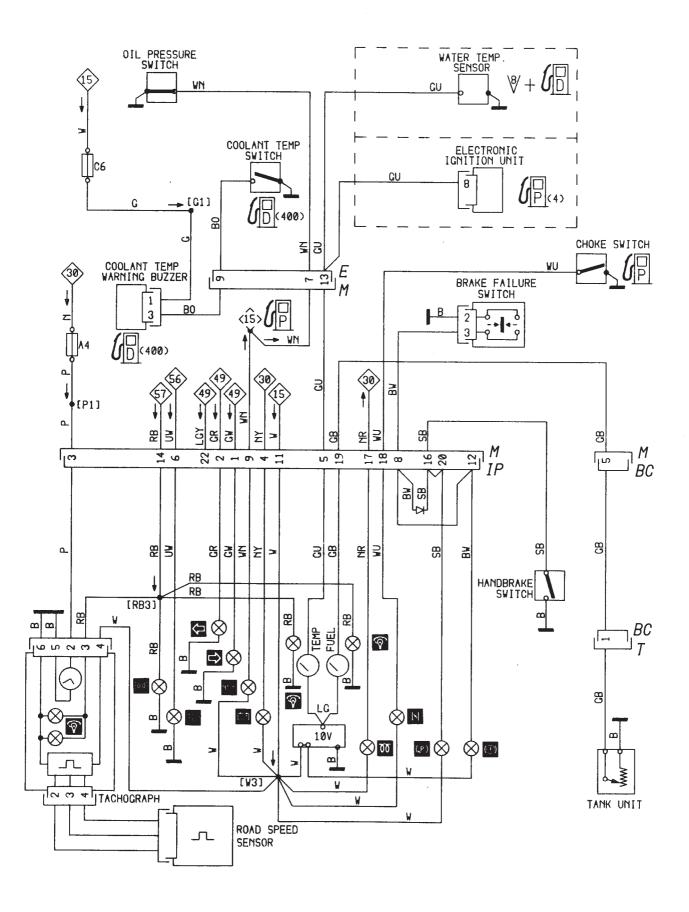


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
TACHOGRAPH	1991	INSTRUMENTS AND WARNING LAMPS	61.24



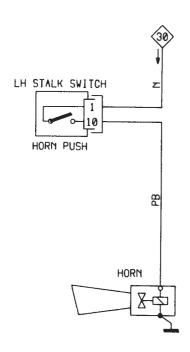


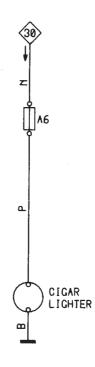
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
TACHOGRAPH	1991-92	INSTRUMENTS AND WARNING LAMPS	61.25





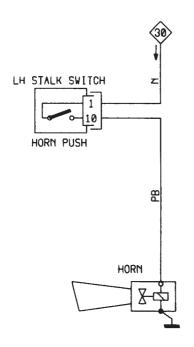
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-90	HORN / CIGAR LIGHTER	71.01

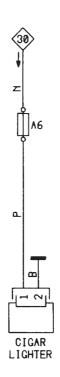






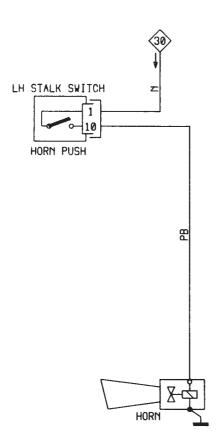
CIRCUIT DIAGRAM	PAGE
HORN / CIGAR LIGHTER	71.02

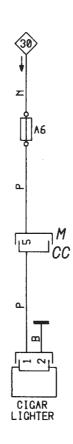






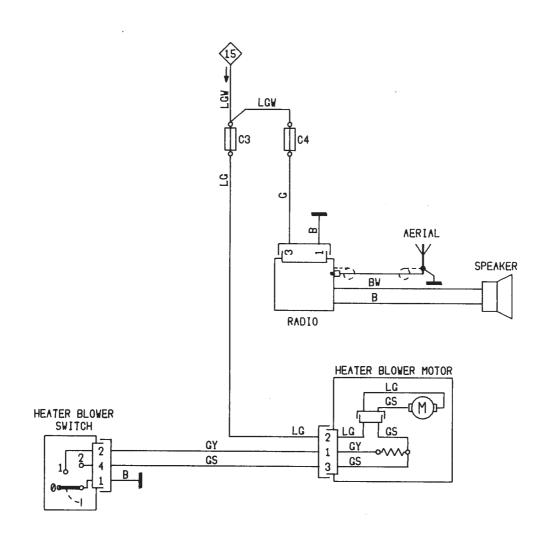
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1991-92	HORN / CIGAR LIGHTER	71.03





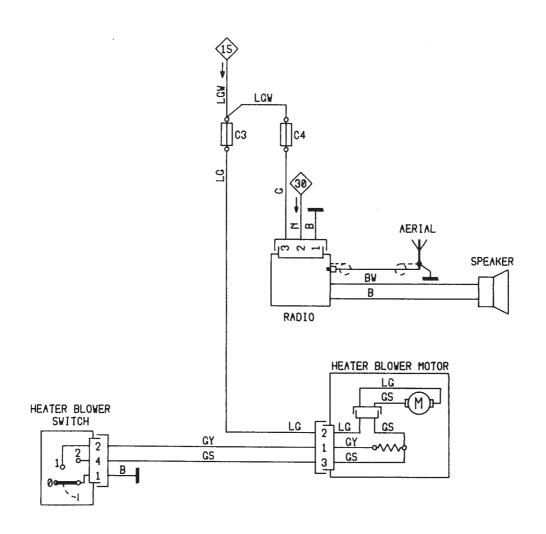


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1987-88	HEATER / RADIO	75.01



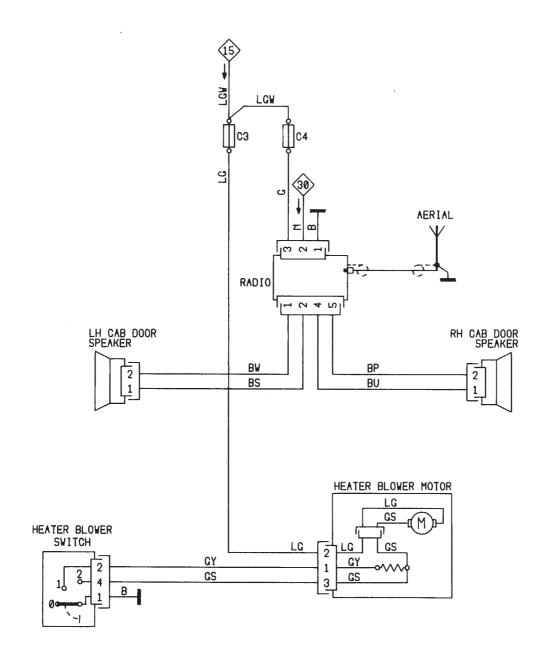


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
٨LL	1989	HEATER / RADIO	75.02



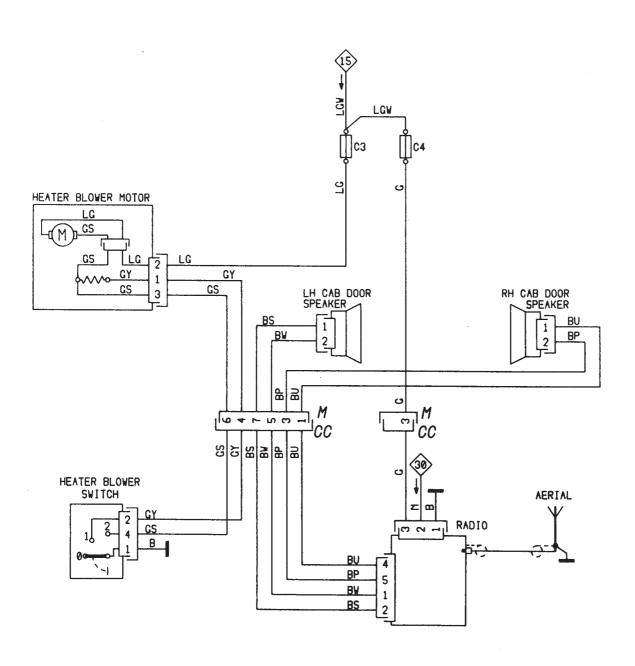


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1990-91	HEATER / RADIO	75.03



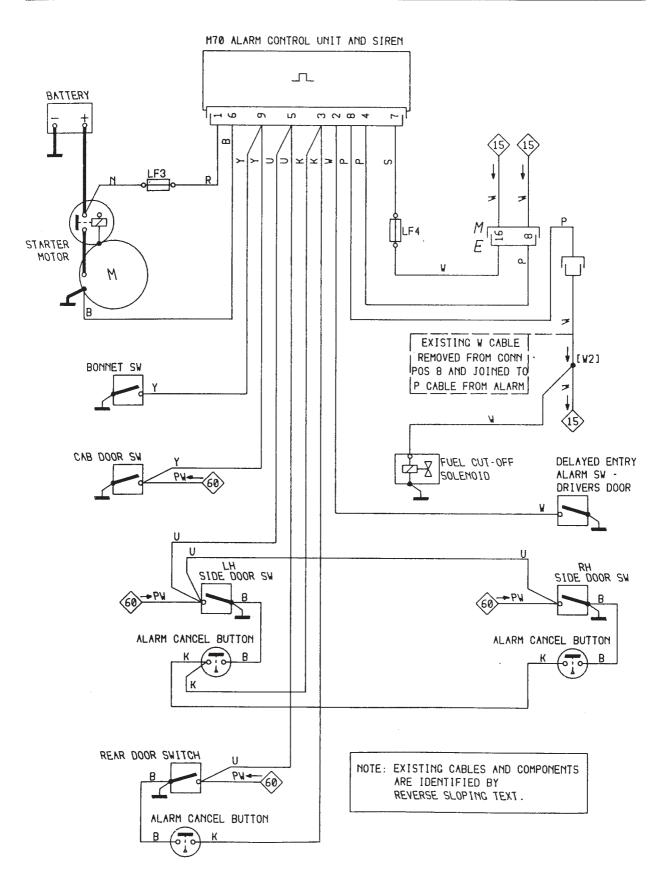


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1991-92	HEATER / RADIO	75.04



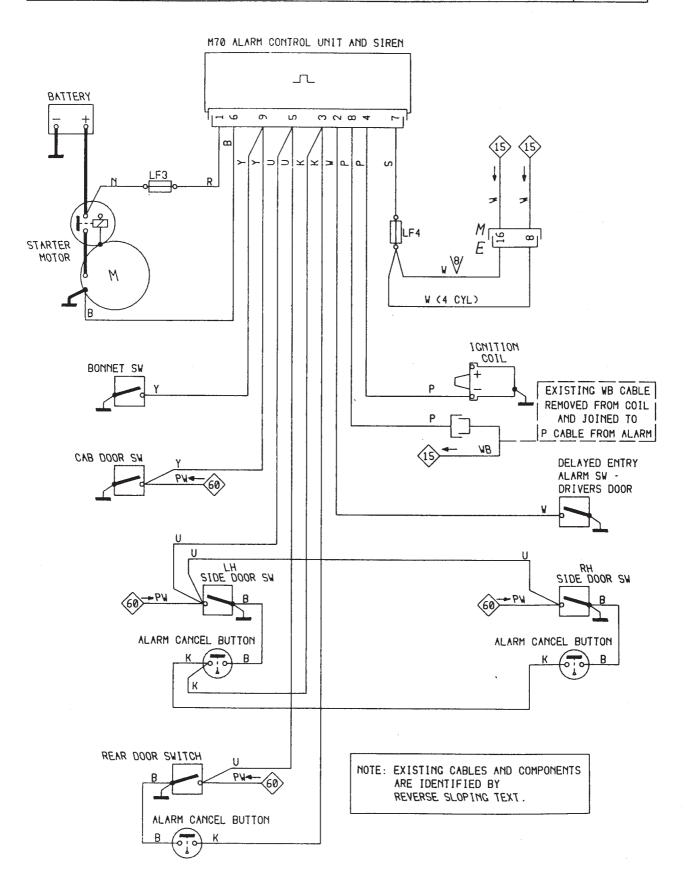


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 200	1990-92	M70 ALARM SYSTEM LEYLAND DAF PART No. BBU 8592	95.01



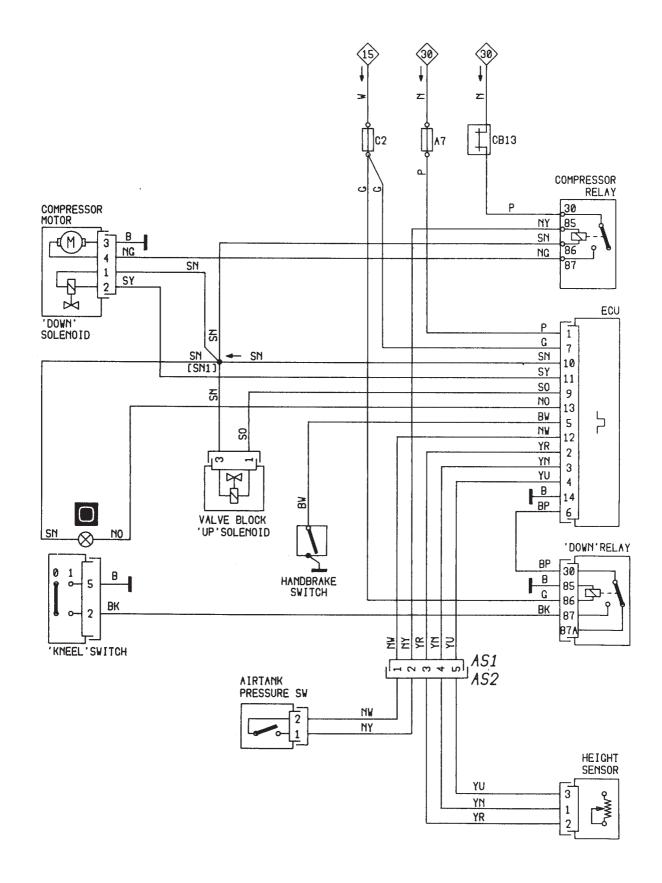


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
PETROL 200	1990-92	M70 ALARM SYSTEM LEYLAND DAF PART No. BBU 8592	95.02





MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
400	1989-91	AIR SUSPENSION	96.01





MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
400	1991-92	AIR SUSPENSION	96.02

