



Service Workbook Supplement

Electrics – Right hand Drive

Pilot/Convoy Vehicle Wiring

1999 Model Year to Dec 2001 Supplement

This supplement should be used in conjunction with Service Workbook 'Pilot/Convoy Vehicle Wiring 1996 onwards', Part No. DW03966803

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CONN. CODE	HARNESS NAME
ASM / AS1	<i>Air suspension 1</i>
ASS / AS2	<i>Air suspension 2</i>
AT	<i>Auto transmission</i>
SF	<i>School Bus Front</i>
SR	<i>School Bus Rear</i>
VF	<i>Roof Vent Fan Front</i>
VR	<i>Roof Vent Fan Rear</i>

Additional Information for Page

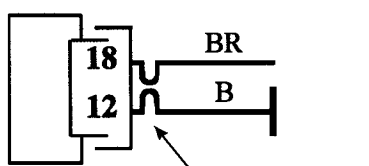
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Harness Inter- Connector

New style diagrams have a number after the connector code to further aid identification and location of connectors. **M3** for example indicates inter-harness connector No 3 on the Main harness.

Special Connectors

'Short Circuit' Terminals within connector. When connector is mated correctly, circuit operates in the normal way. When connector is disconnected or only partially mated, the two terminals make contact to provide a 'fault' warning.



Additional Information for Page

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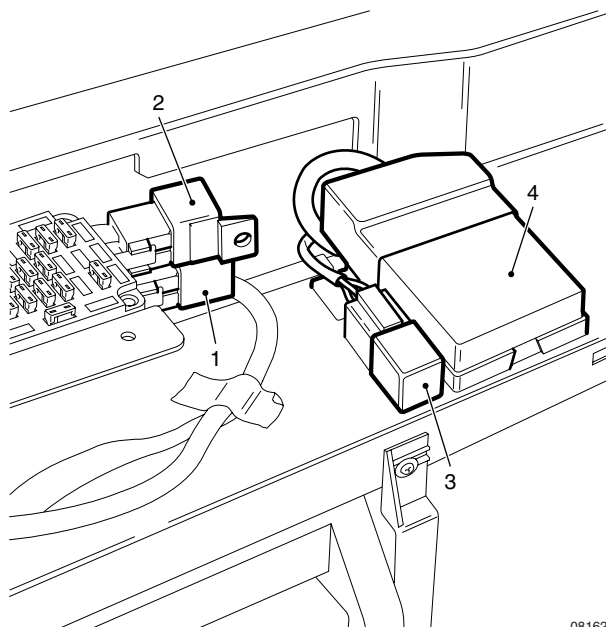
Examples of bracketed text found on Diagrams ;

(N/A)	2.5 DI Normally Aspirated diesel engine.
(MAN)	Manual gearbox.
(LL)	2.5 DI N/A LowLine. These are vehicles WITHOUT an underbonnet supplementary fusebox.
(ALL EXCEPT LL)	2.5 DI vehicles WITH an underbonnet supplementary fusebox.
(N/A WITH IMMO)	2.5 DI N/A vehicles WITH an Immobiliser.
(N/A WITHOUT IMMO)	2.5 DI N/A vehicles WITHOUT an Immobiliser.

Relays located in cab to the right of central dashboard fuse box

Oct 1998 on

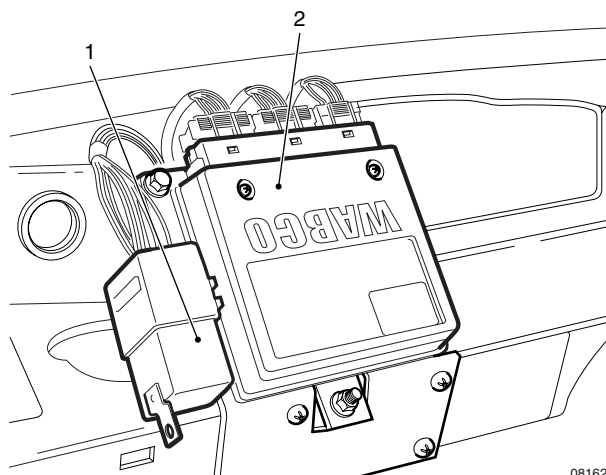
1. Dim-dip relay 1
2. Dim-dip relay 2 (with bracket)
3. Crank inhibit relay (2.5 DI)
4. Immobiliser ECU (2.5 DI)



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Oct 1998 on (vehicles with ABS)

1. ABS pump relay
2. ABS ECU

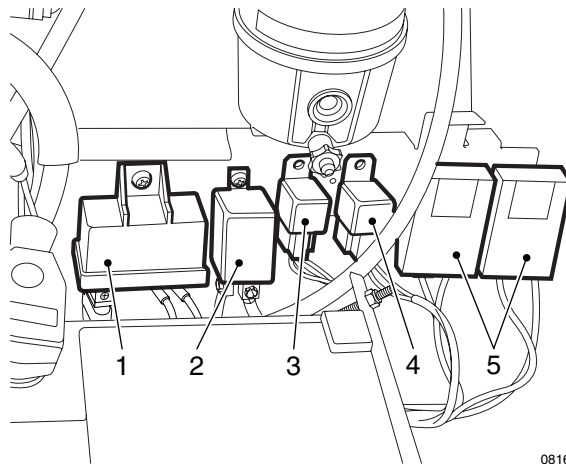


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Relays and fuses located underbonnet

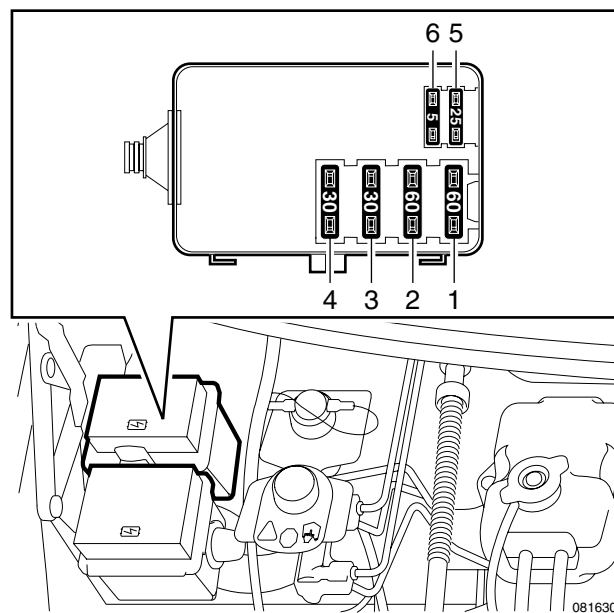
Oct 1998 on – XUD9A'L3' relays

1. Glow plug controller
2. Cooling fan relay
3. Crank sensing relay
4. EGR/cold idle relay
5. Fuses for cooling fans (MF1 & MF2 on diagrams)



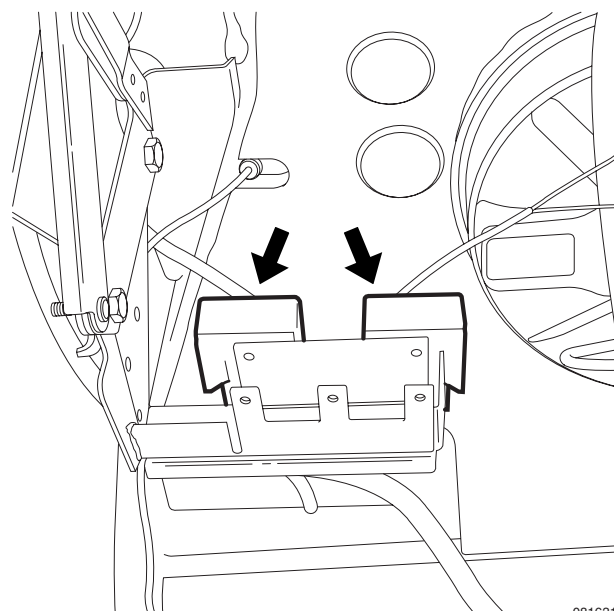
Oct 1998 on – Convoy supplementary fuse box – 2.5 DI models (except LL)

1. Main power supply fuse (F1 on diagrams)
2. Main power supply fuse (F2 on diagrams)
3. ABS power supply fuse (if fitted) (F4 on diagrams)
4. Air suspension fuse (if fitted) (F5 on diagrams)
5. ABS power supply fuse (if fitted) (F6 on diagrams)
6. ABS ignition supply fuse (if fitted) (F7 on diagrams)



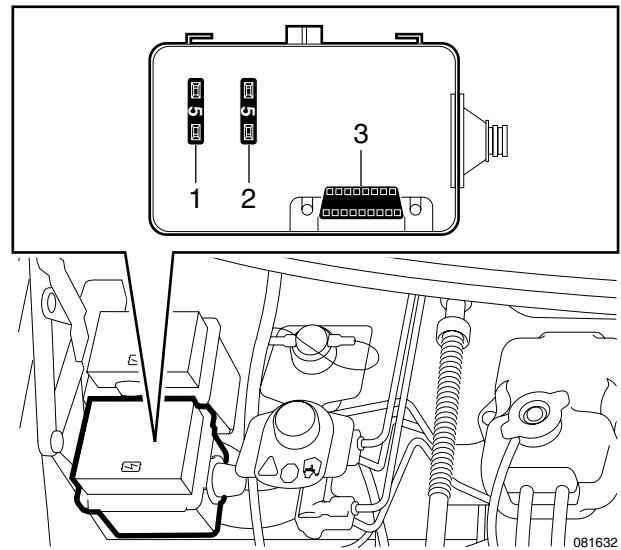
Oct 1998 on – Convoy main power supply fuses (2.5 DI LL models only)

1. Main power supply fuse (MF4 on diagrams)
2. Main power supply fuse (MF5 on diagrams)



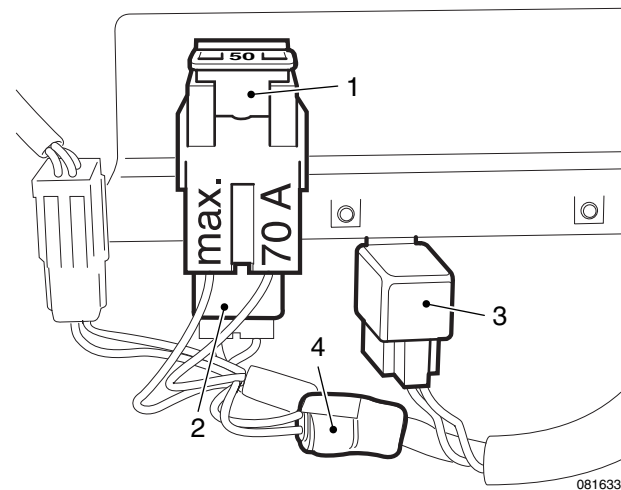
**Convoy engine management fuse box
(2.5 DI N/A models with immobiliser)**

1. Immobiliser diagnostic fuse
(E4 on diagrams)
2. P.A.T.S fuel pump fuse
(E5 on diagrams)
3. Immobiliser diagnostic socket



**Oct 1998 on – Convoy 2.5 DI models
fitted with Flamestart**

1. Fuse (MF3 on diagrams)
2. Flamestart relay
(non-tachograph only)
3. Flamestart control unit
4. Test connector





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COMPONENT INDEX

COMPONENT	PAGE GROUP
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ABS pump motor	44
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Immobiliser transceiver / transponder	94
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Crank inhibit relay	94
Crank sensing relay	30
EGR/cold idle relay	30
High mounted lamps relay	79
Immobiliser ECU	94
Kickdown inhibit relay	30
Rear foglamp module	55
Start inhibit relay	30

Fuses (Dashboard fusebox)	Input	Output
A6	30	71/75/79
A8	30	94
Fuses (Engine management fusebox)		
E4	30	94
E5	15	94
Fuses (Fuse and fan relay fusebox)		
F4	30	44
F6	30	44
F7	15	44
In-line fuses		
LF27	95	95
Maxi fuses		
MF4	30	30
MF5	30	30



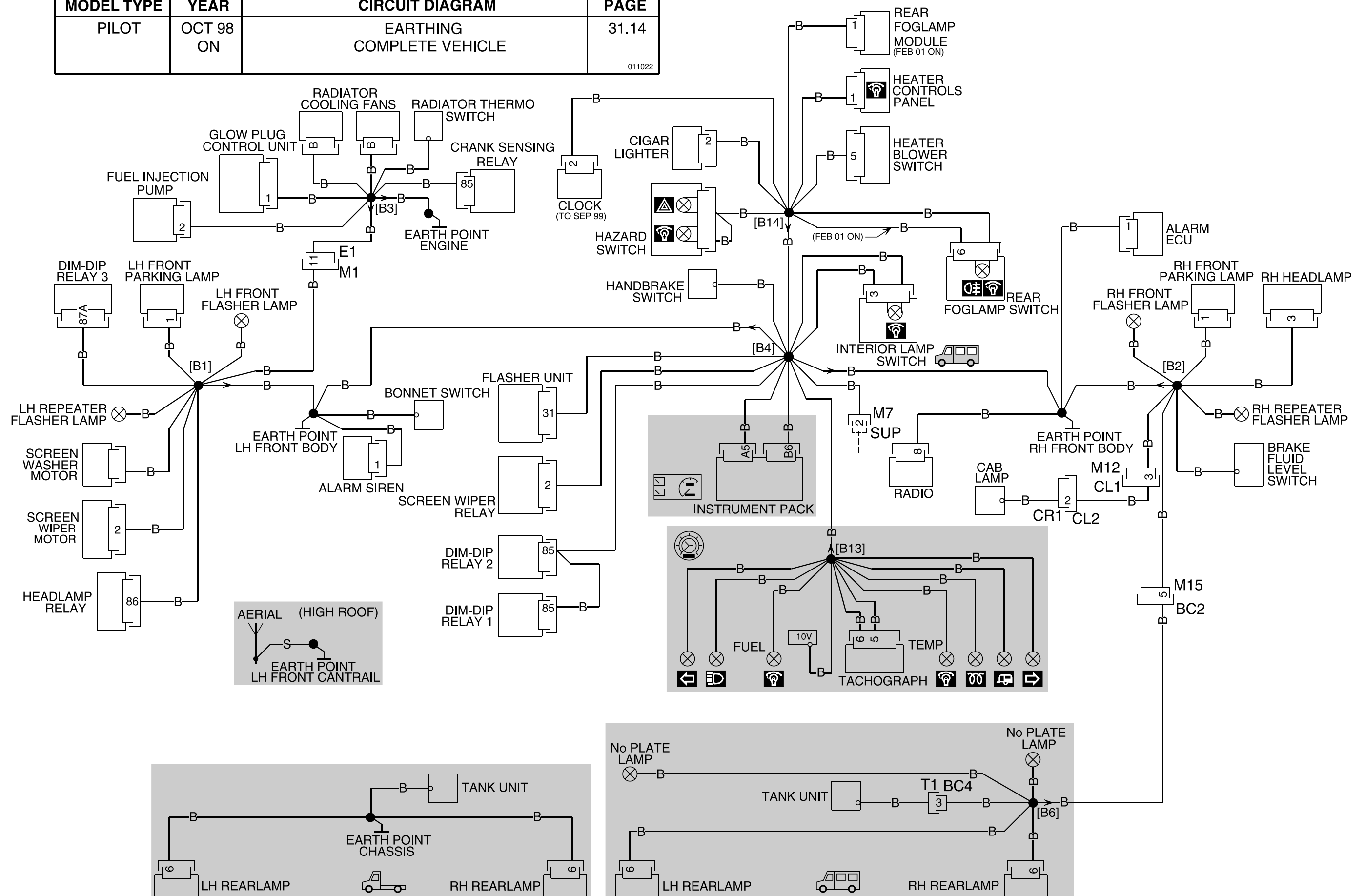
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MODEL/TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
Diesel–XUD9A ‘L3’	Oct 98 on	Unfused ignition power/Engine stopping (Supercedes page 15.10)	15.13
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Die–2.5 DI Turbo	Oct 98 on	Engine management/Diagnostics (Supercedes page 16.01)	16.02
Diesel–XUD9A ‘L3’	Oct 98 on	Unfused battery power/Starting/Charging (Supercedes page 30.08)	30.09
Die–2.5 DI N/A & Turbo	Oct 98 on	Unfused battery power/Starting/Charging (Supercedes page 30.35)	30.37
Die–2.5DI N/A Automatic	2000 on	Battery power/Starting/Charging (Additional page)	30.38
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Pilot	Oct 98 on	Earthing – Complete vehicle (Supercedes page 31.13)	31.14
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All	Feb 01 on	Foglamps – Rear (Supercedes page 55.07)	55.08
All	Feb 01 on	Illumination of Instruments and controls (Supercedes page 58.07)	58.09
All	Oct 98 – Sep 99	Heater/Vent fan/Radio (Philips) (Supercedes pages 75.11 & 75.12)	75.13
All	Sep 99 on	Heater/Vent fan/Radio (Philips) (Supercedes page 75.13)	75.16
School Bus	Oct 98 on	High mounted amber front lamps, Amber hazard rear lamps, Red position rear lamps, & Reverse bleeper (Additional page)	79.01
Die–2.5 DI N/A & Turbo	Oct 98 on	Immobiliser (Additional page)	94.02
All (option)	Apr 97 on	Alarm system (Hamilton & Palmer) (Supercedes page 95.05)	95.06

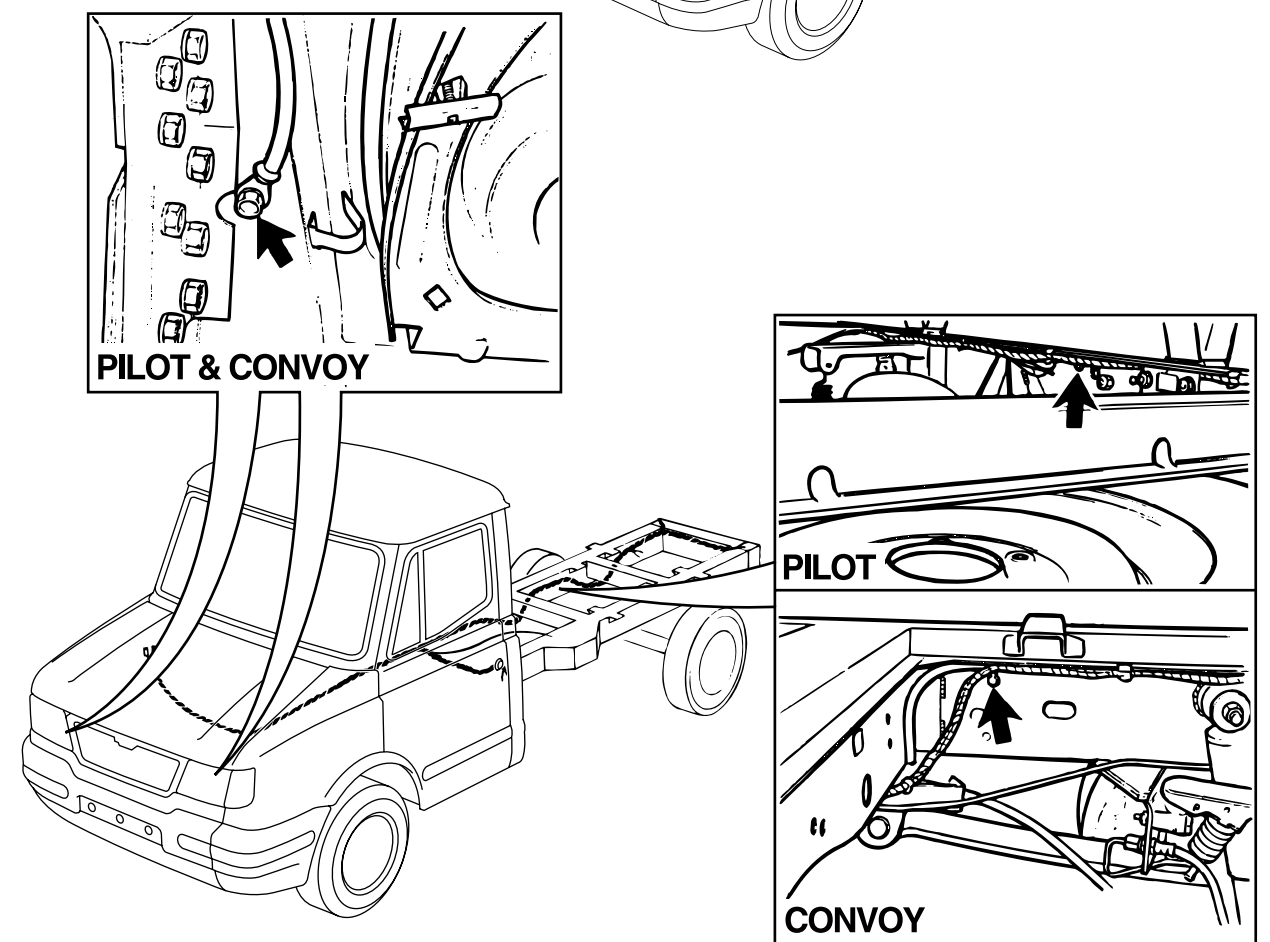
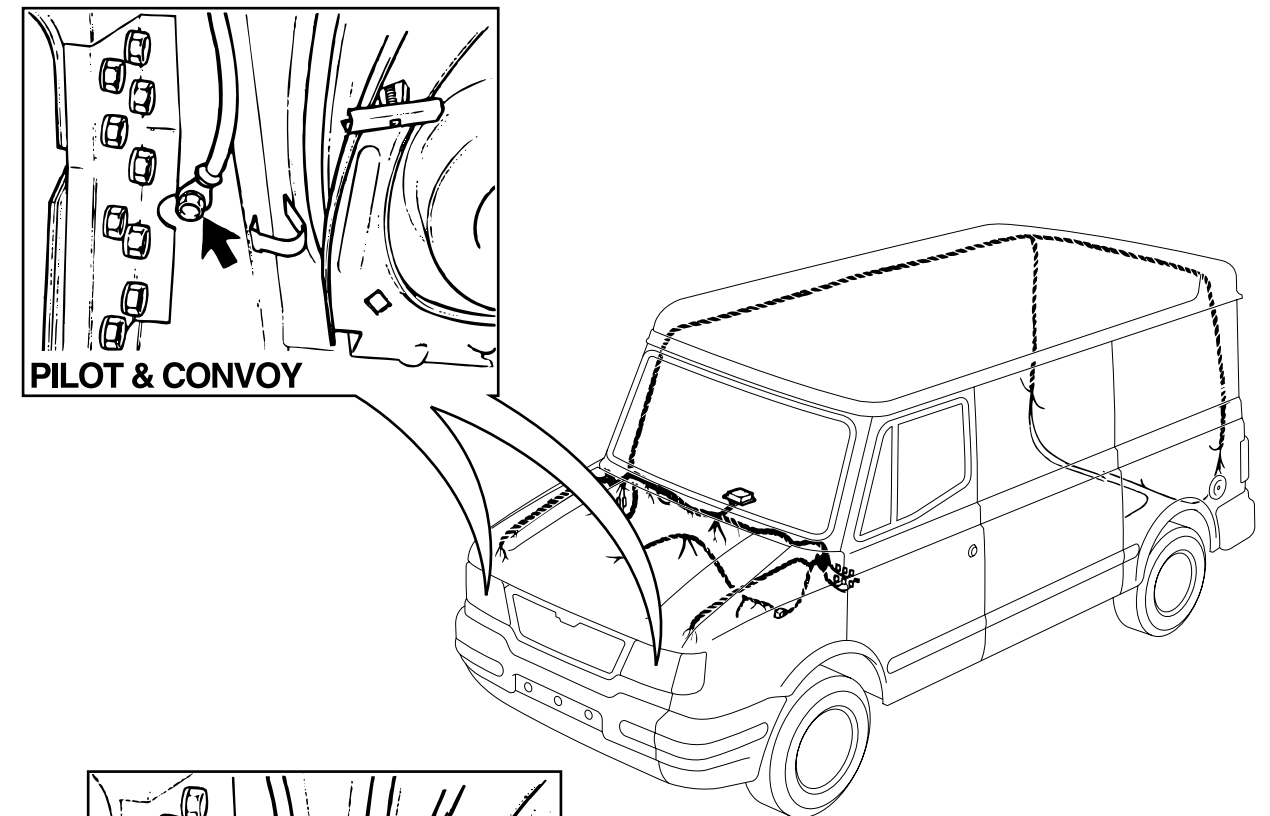
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
PILOT	OCT 98 ON	EARTHING COMPLETE VEHICLE	31.14

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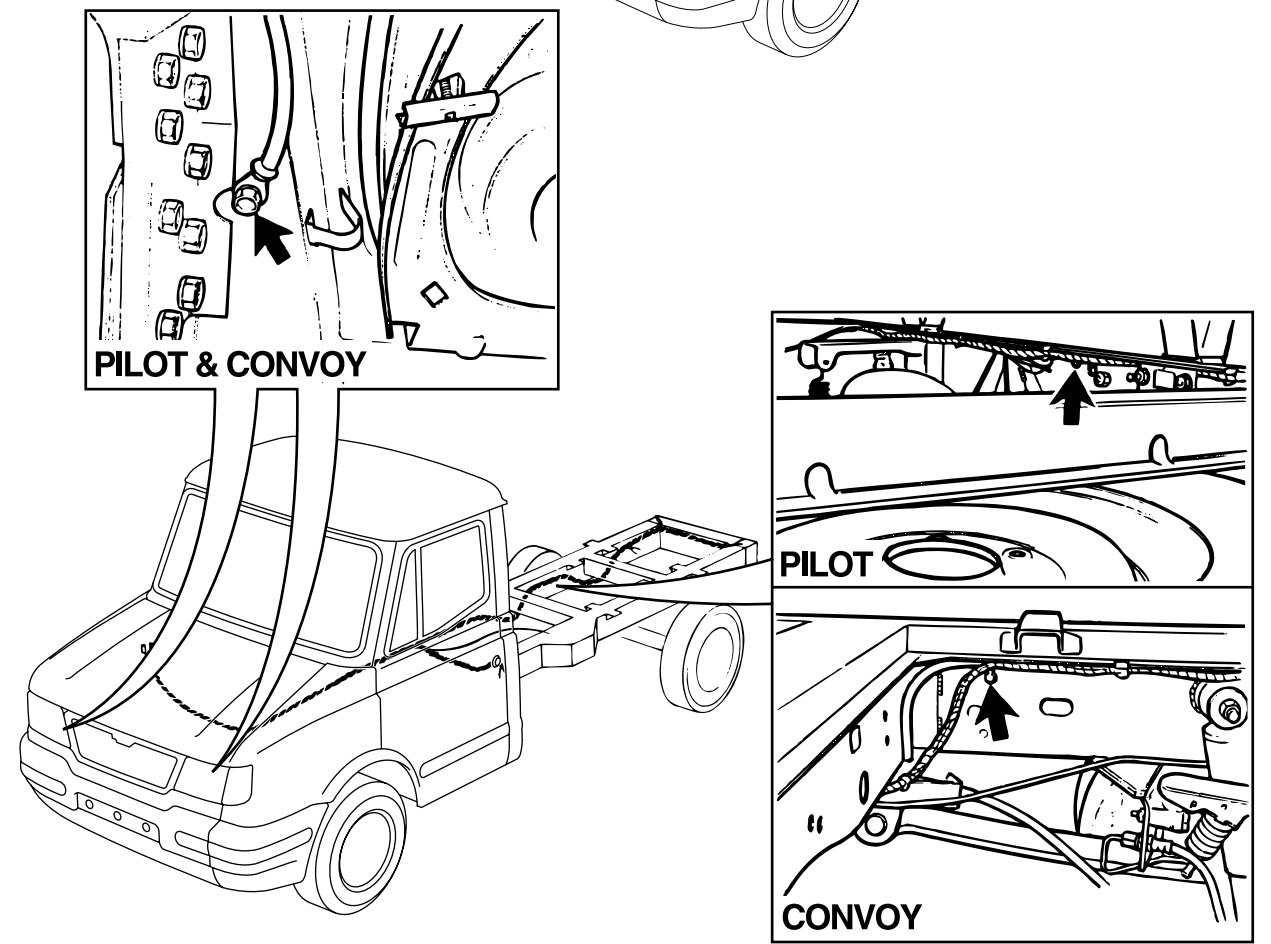
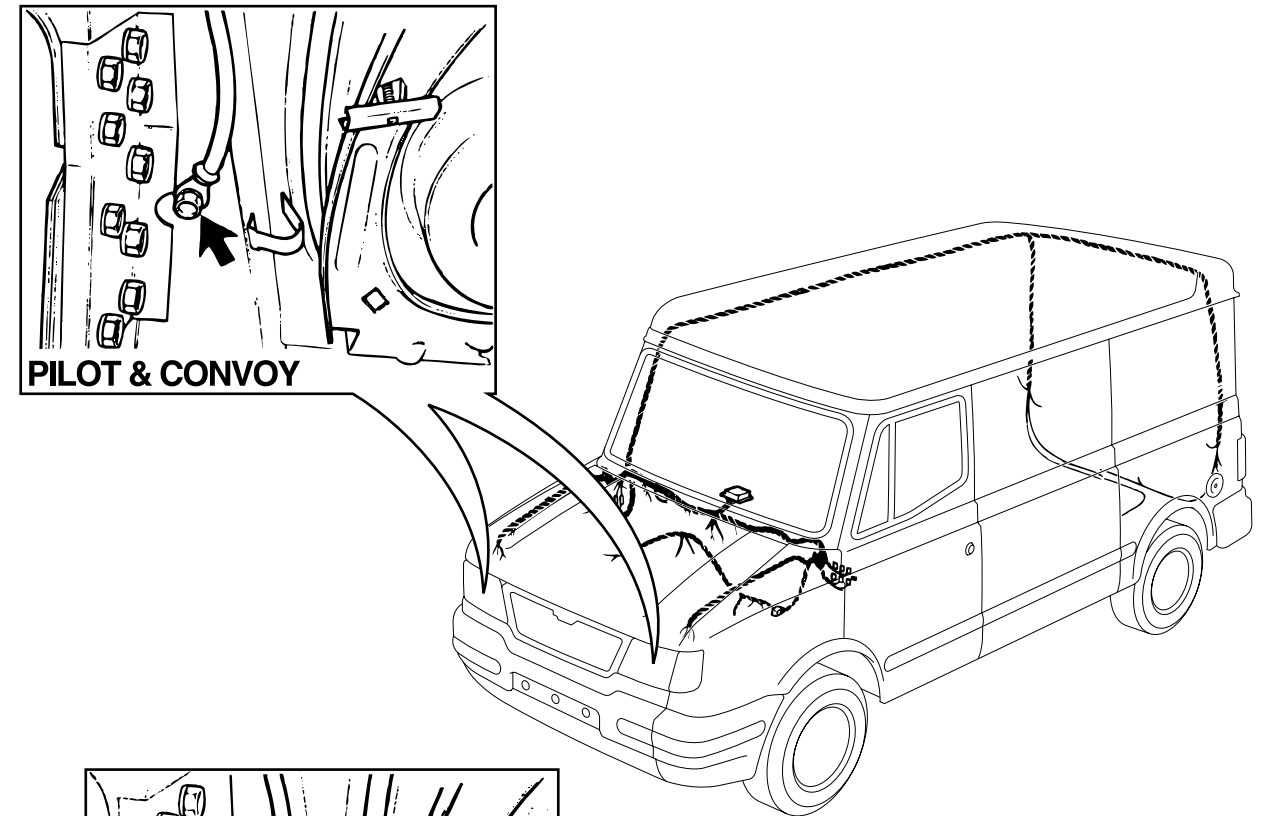


EARTH POINTS - ALL MODELS 1996 ON

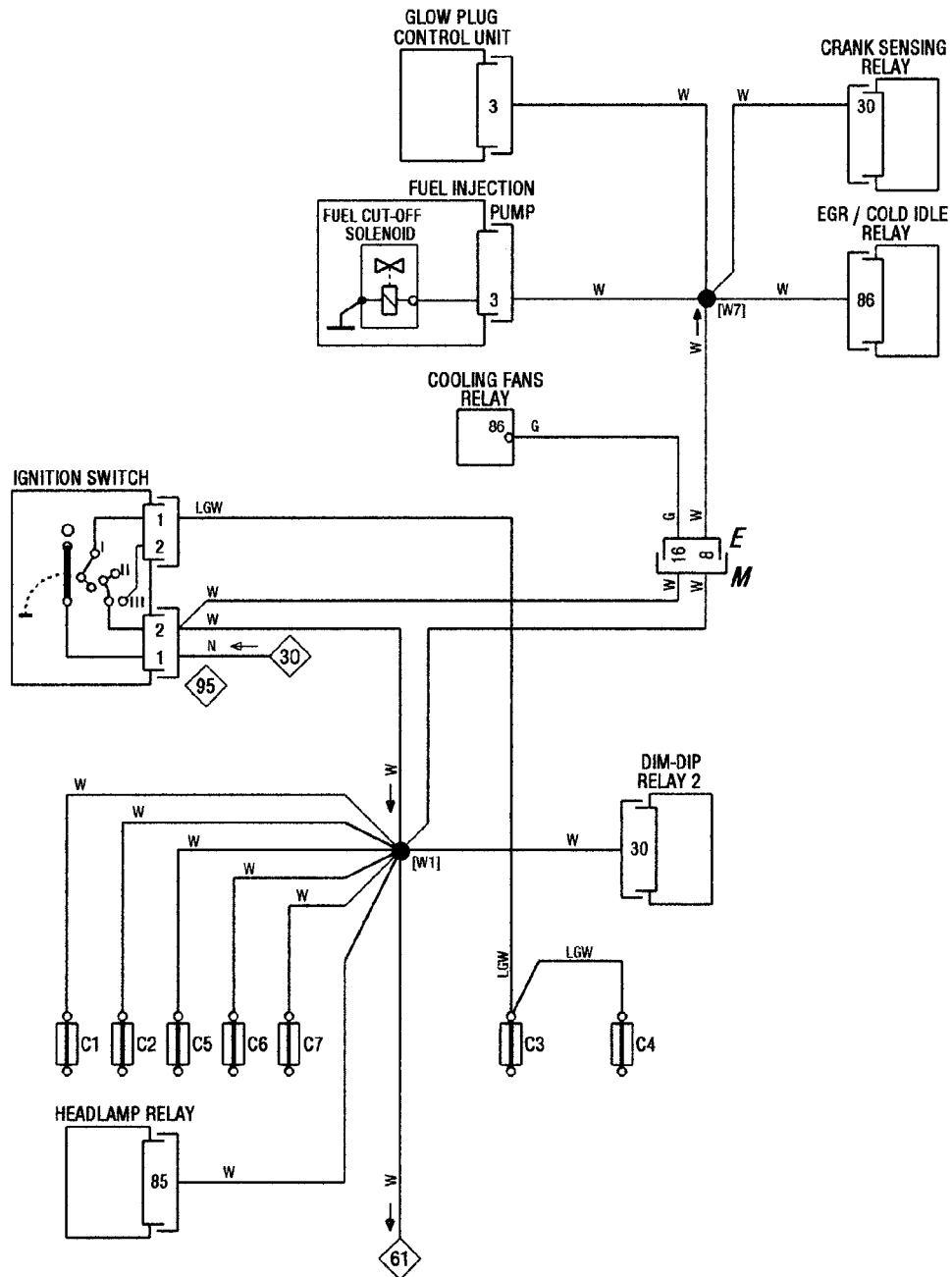




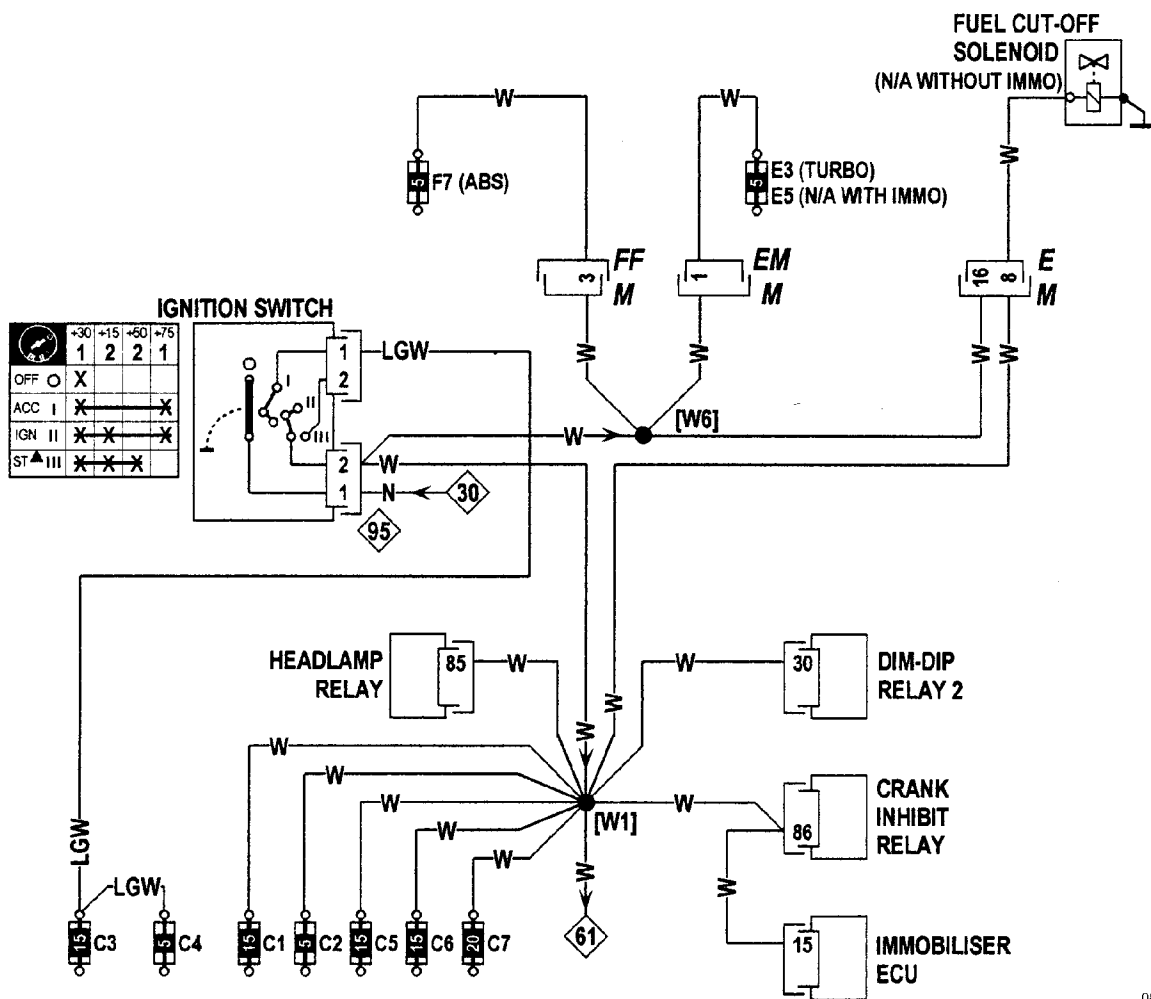
EARTH POINTS - ALL MODELS 1996 ON



MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL XUD9A 'L3'	OCT 98 ON	UNFUSED IGNITION POWER ENGINE STOPPING	15.13

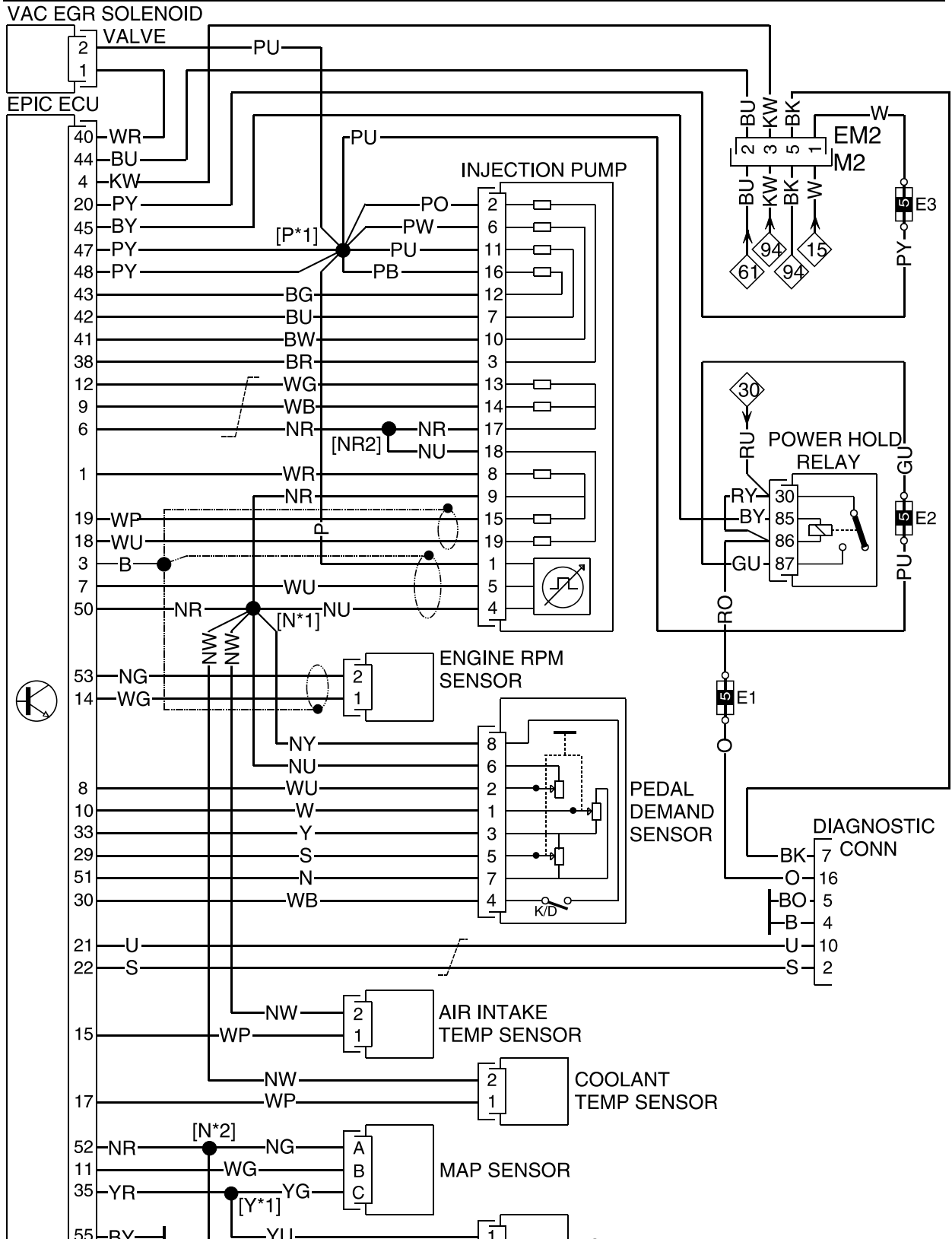


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 2.5 DI N/A & TURBO	OCT 98 ON	UNFUSED IGNITION POWER ENGINE STOPPING	15.14

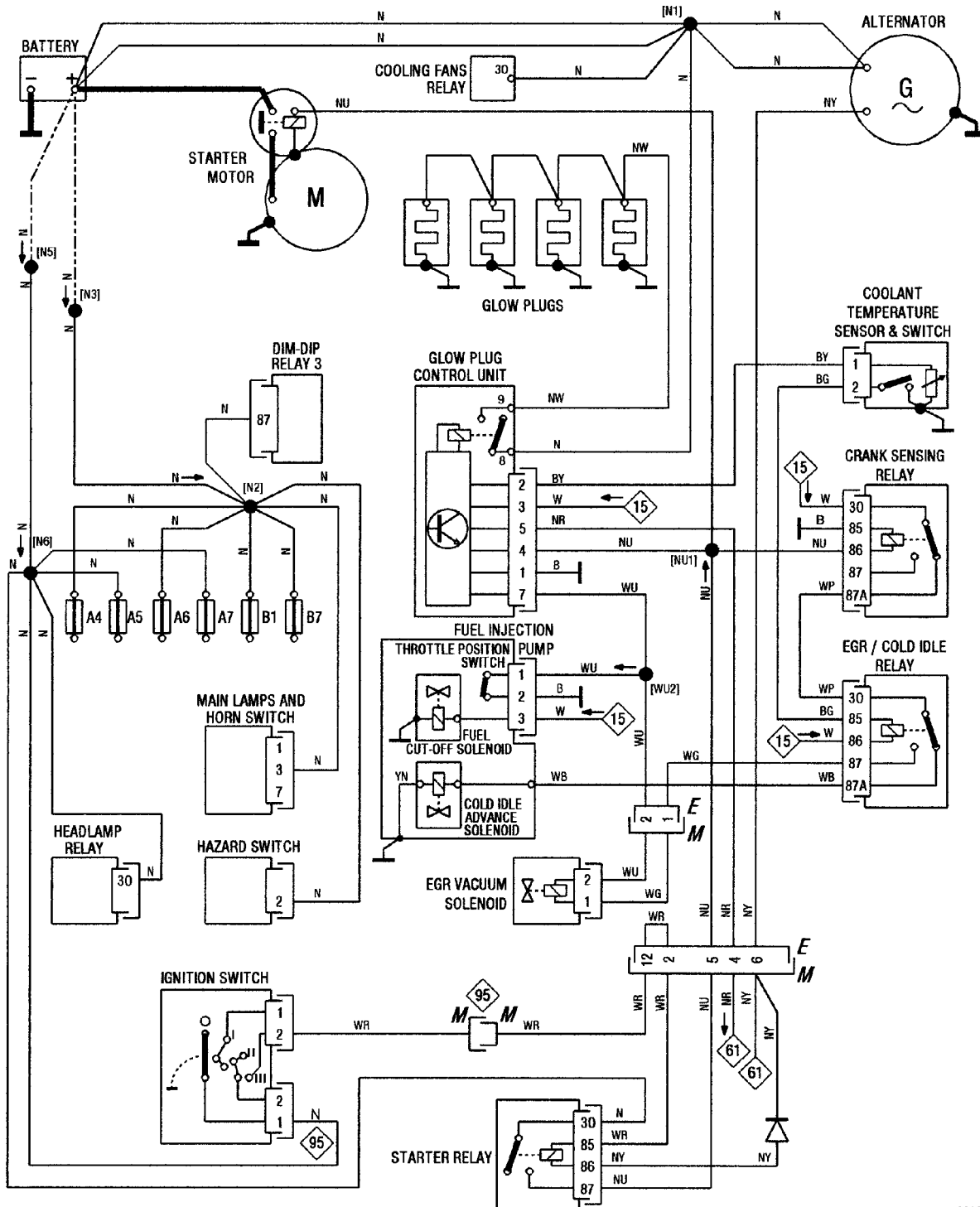


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
2.5 DI TURBO	OCT 98 ON	ENGINE MANAGEMENT / DIAGNOSTICS	16.02

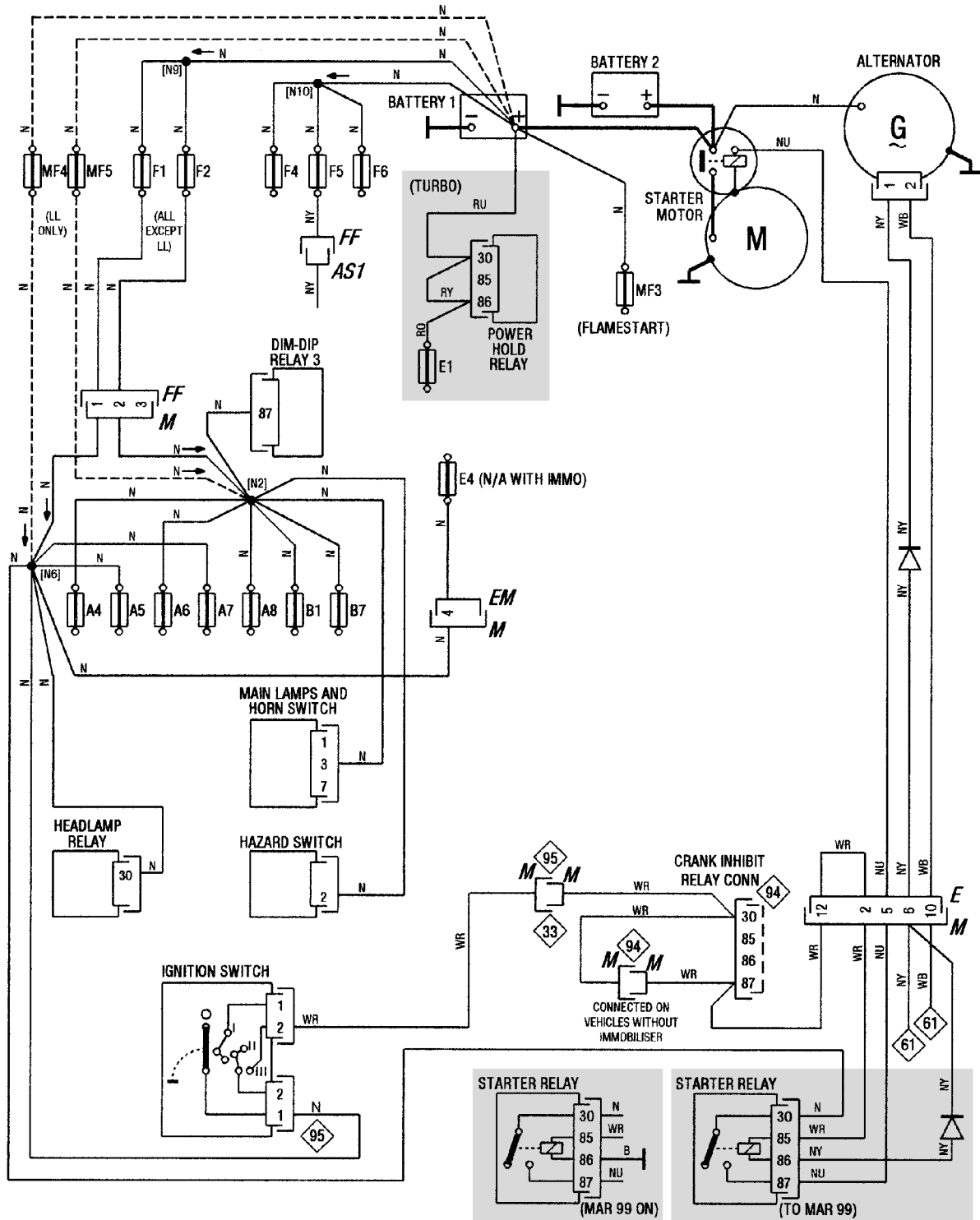
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MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL XUD9A 'L3'	OCT 98 ON	UNFUSED BATTERY POWER STARTING / CHARGING	30.09

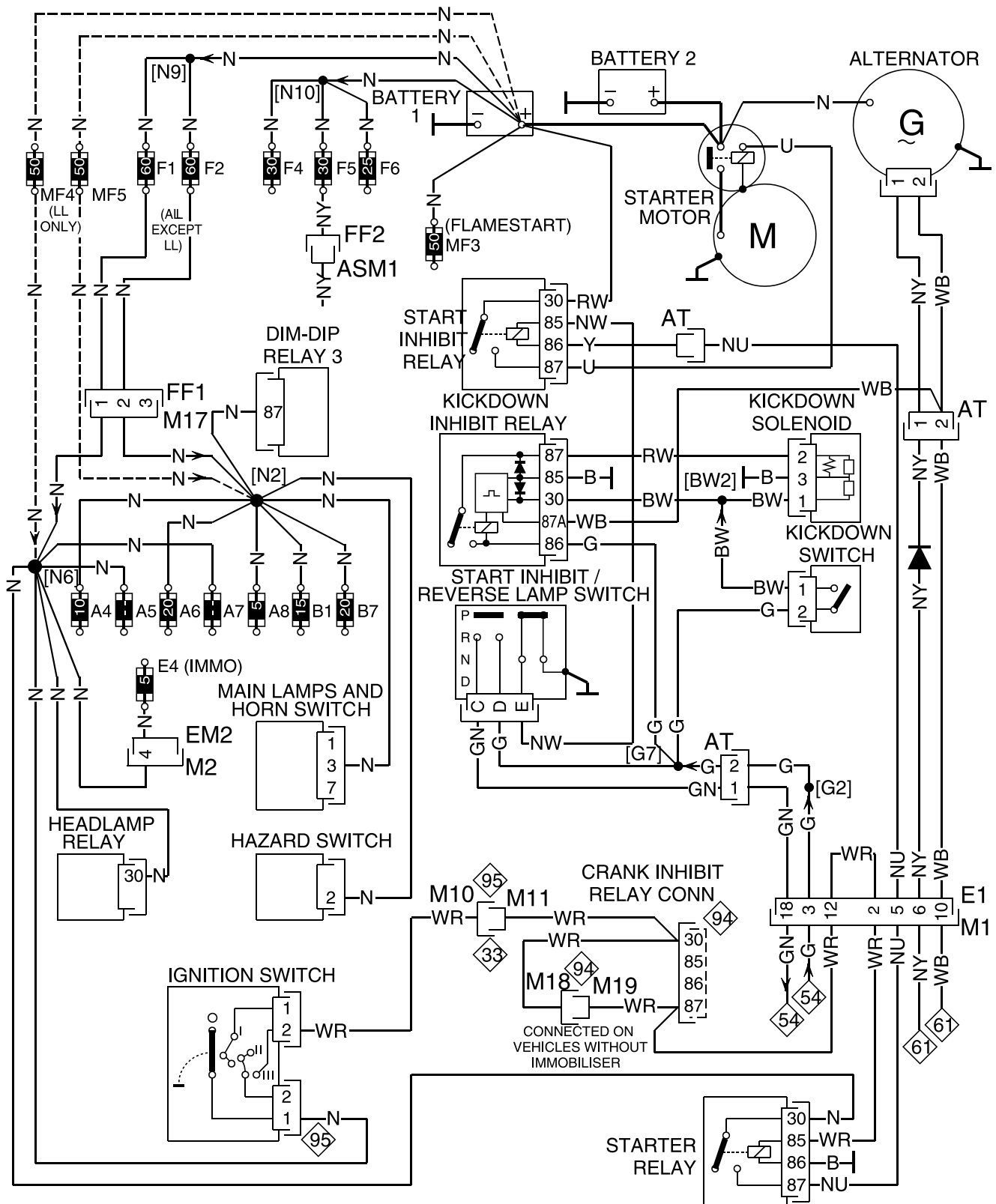


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 2.5 DI N/A & TURBO	OCT 98 ON	UNFUSED BATTERY POWER STARTING / CHARGING	30.37

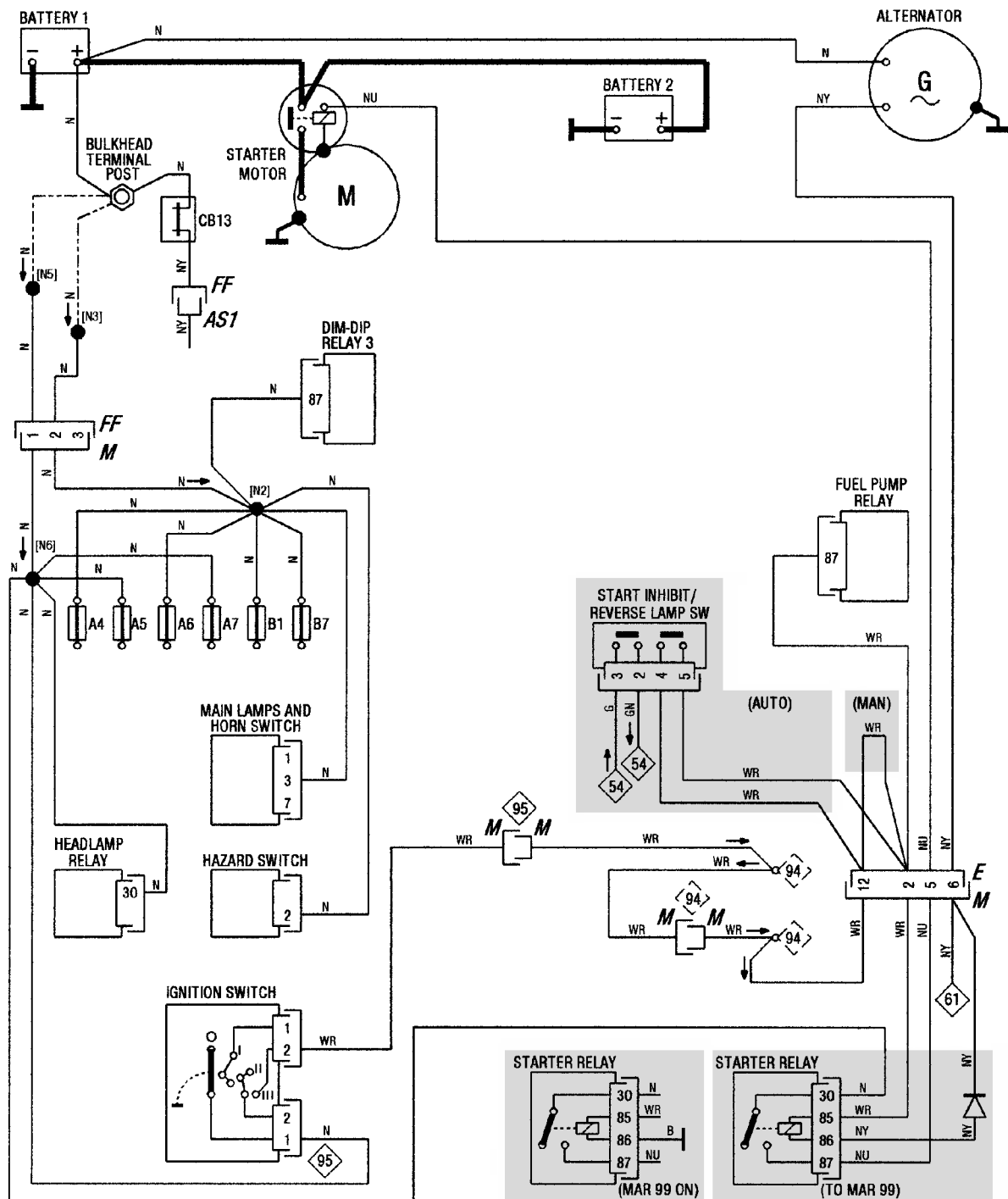


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 2.5 DI AUTOMATIC	2000 ON	BATTERY POWER / STARTING / CHARGING	30.38

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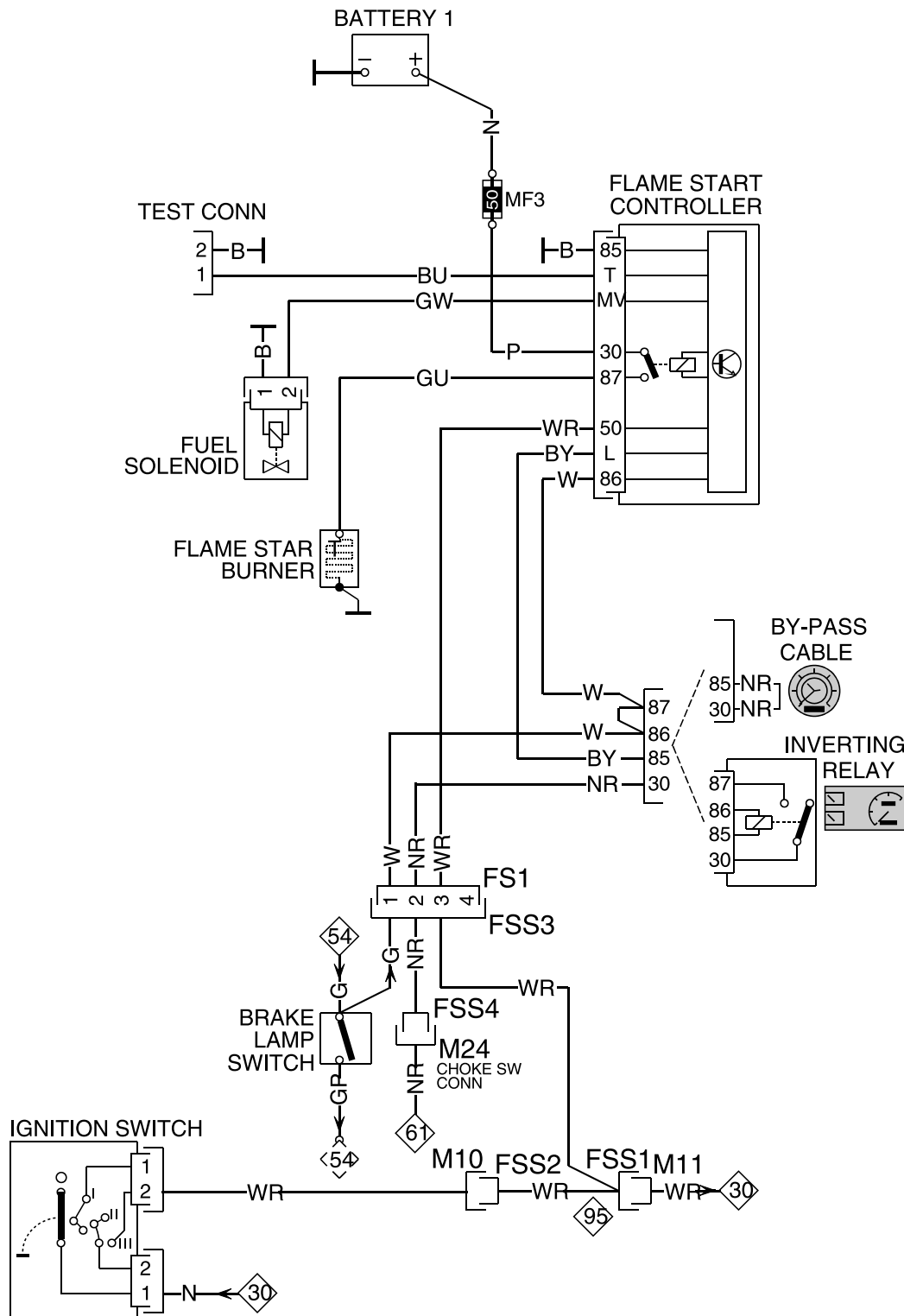
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
V8 PETROL	OCT 98 ON	UNFUSED BATTERY POWER STARTING / CHARGING	30.71



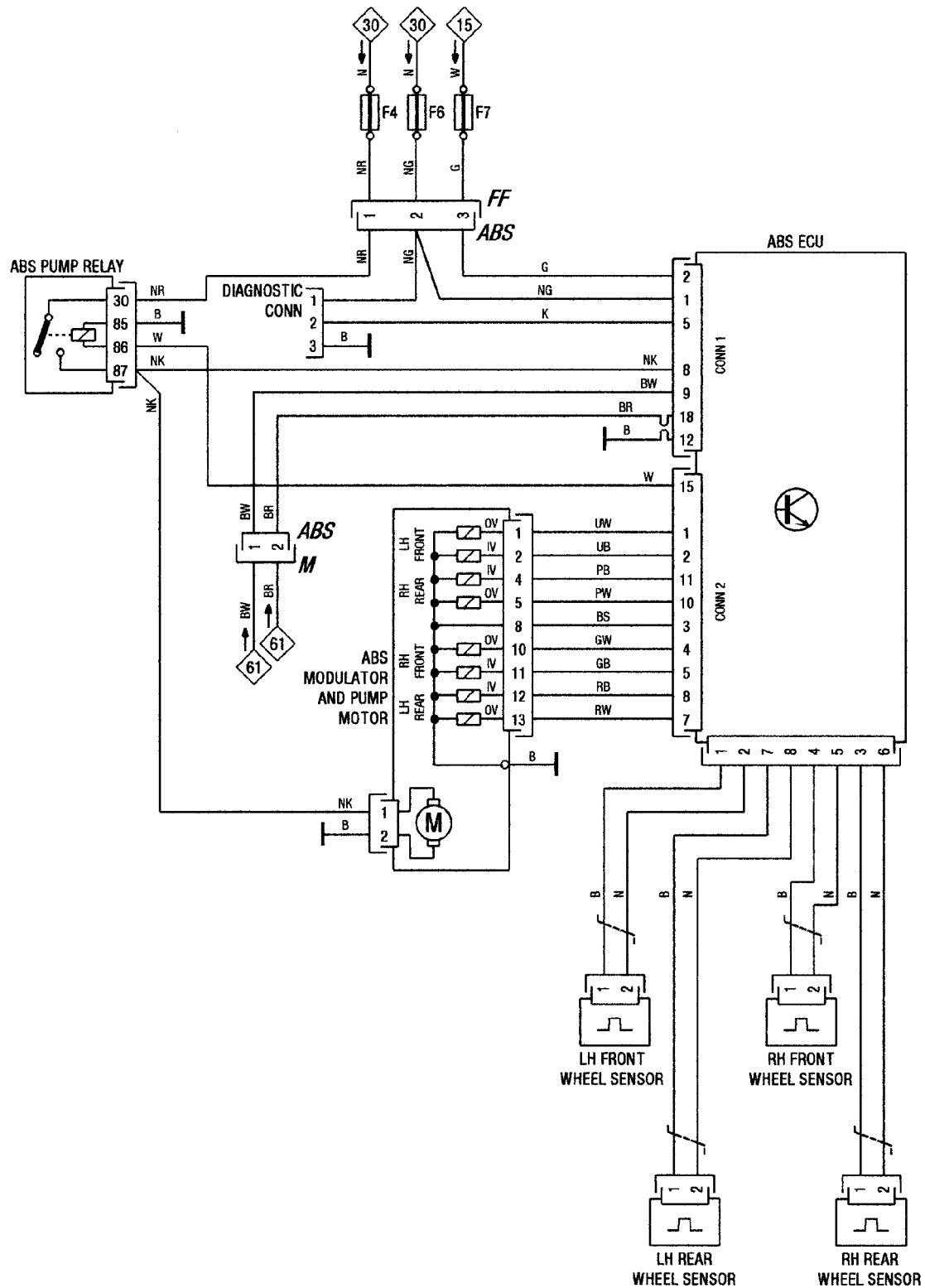


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
DIESEL 2.5 DI N/A & TURBO	OCT 98 ON	FLAMESTART	33.02

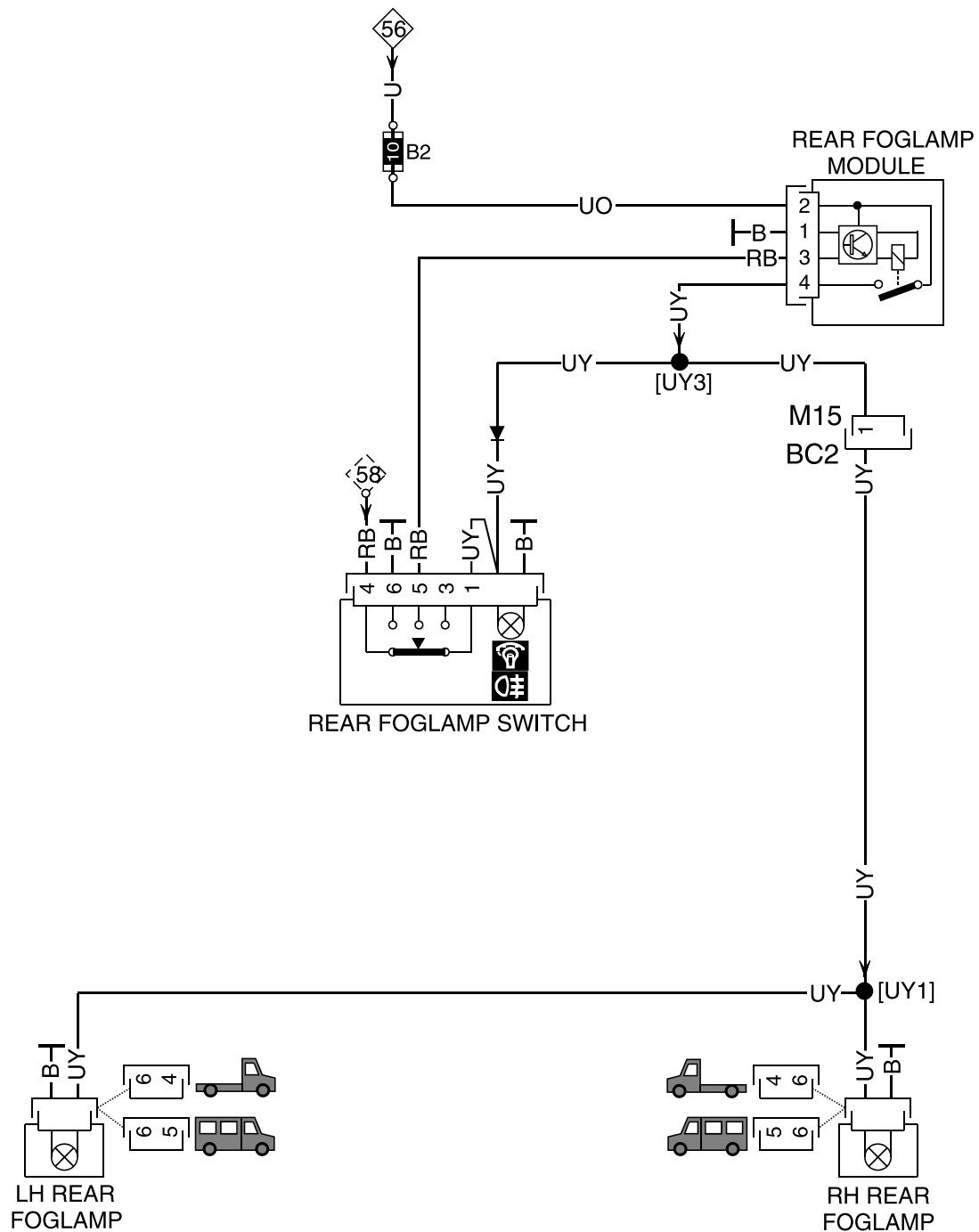
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MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
2.5 DI N/A & TURBO	OCT 98 ON	ABS ANTILOCK BRAKING SYSTEM	44.01

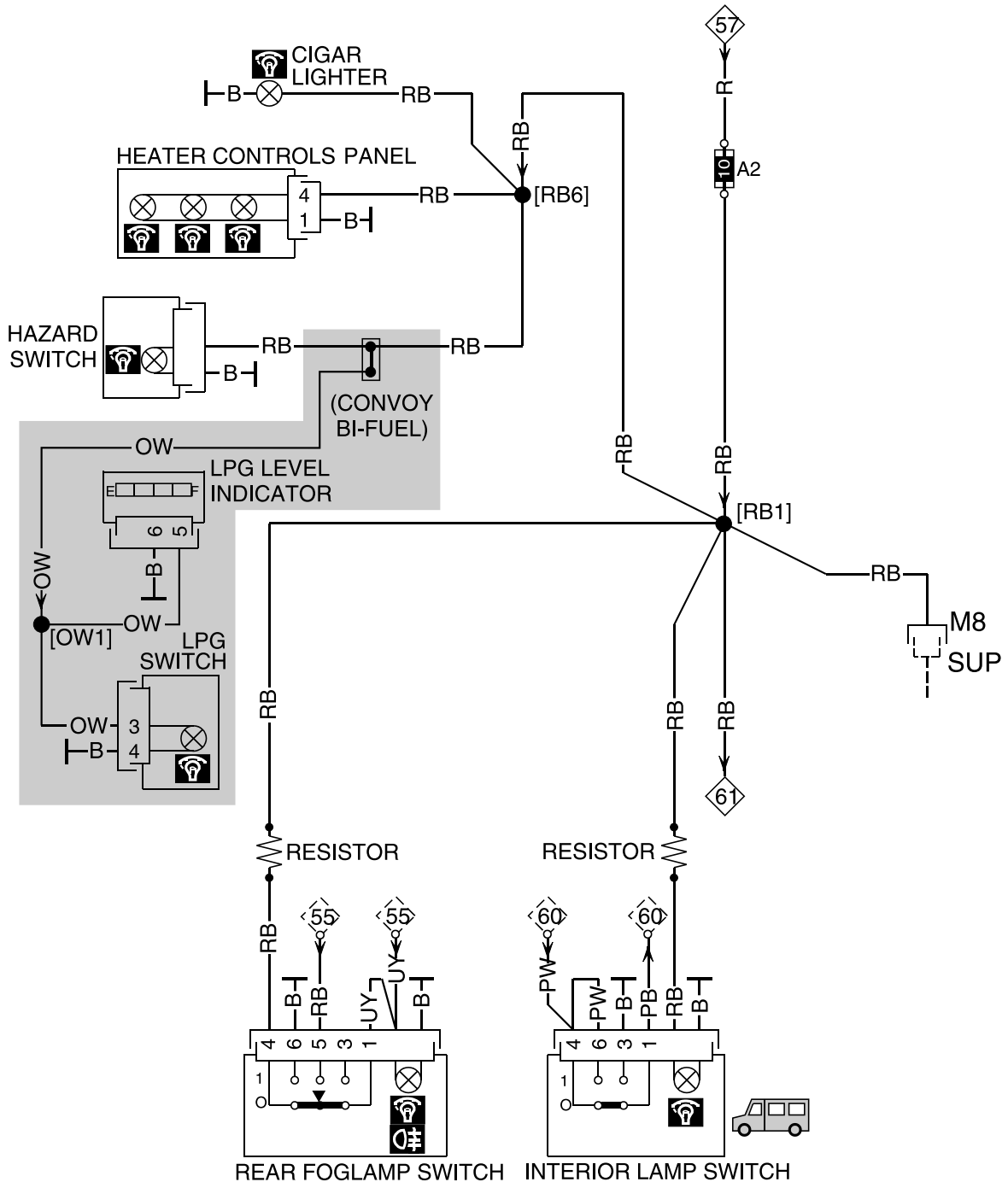


MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	FEB 01 ON	FOGLAMPS - REAR	55.08
			011022



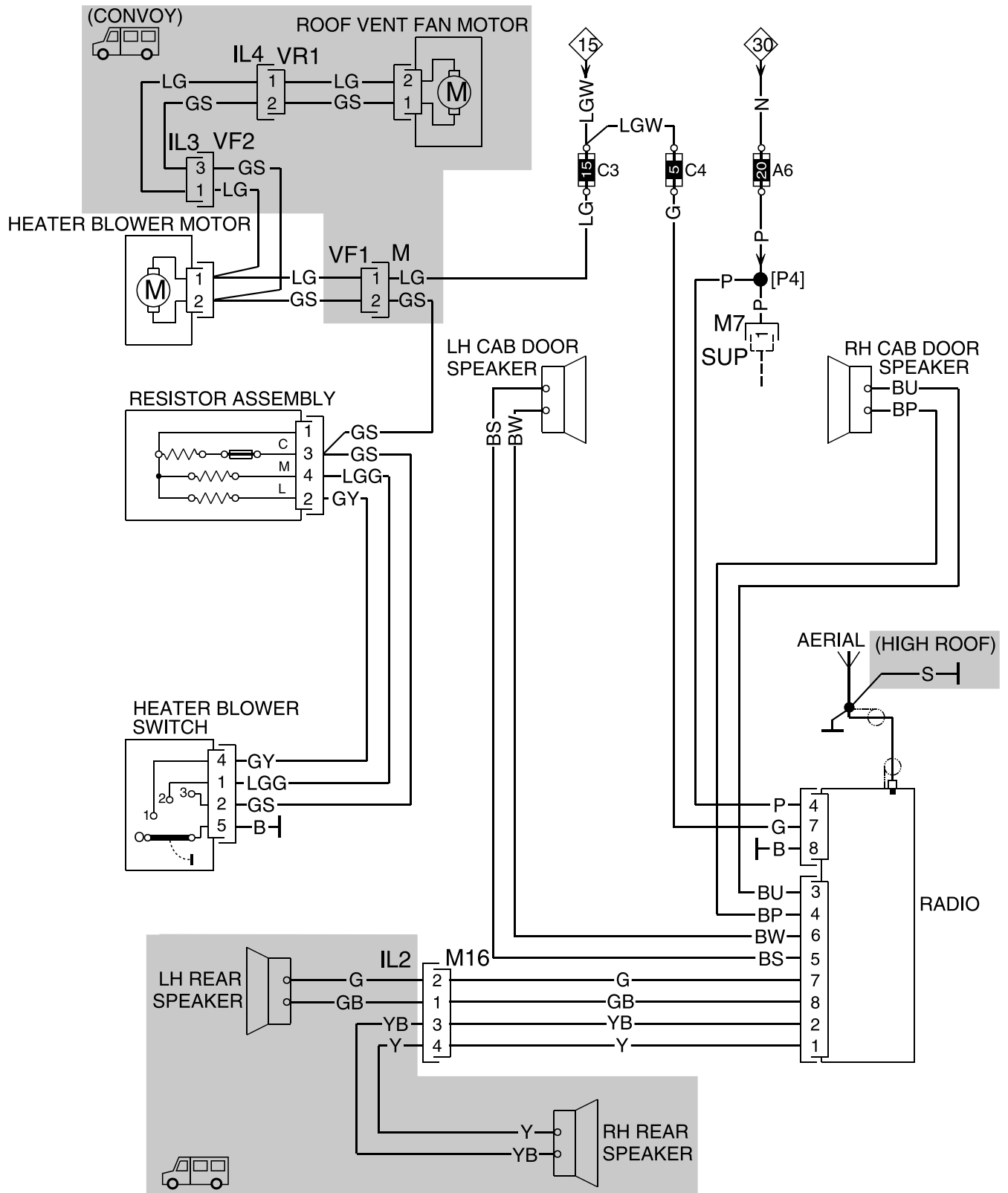
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	FEB 01 ON	ILLUMINATION OF INSTRUMENTS AND CONTROLS	58.09

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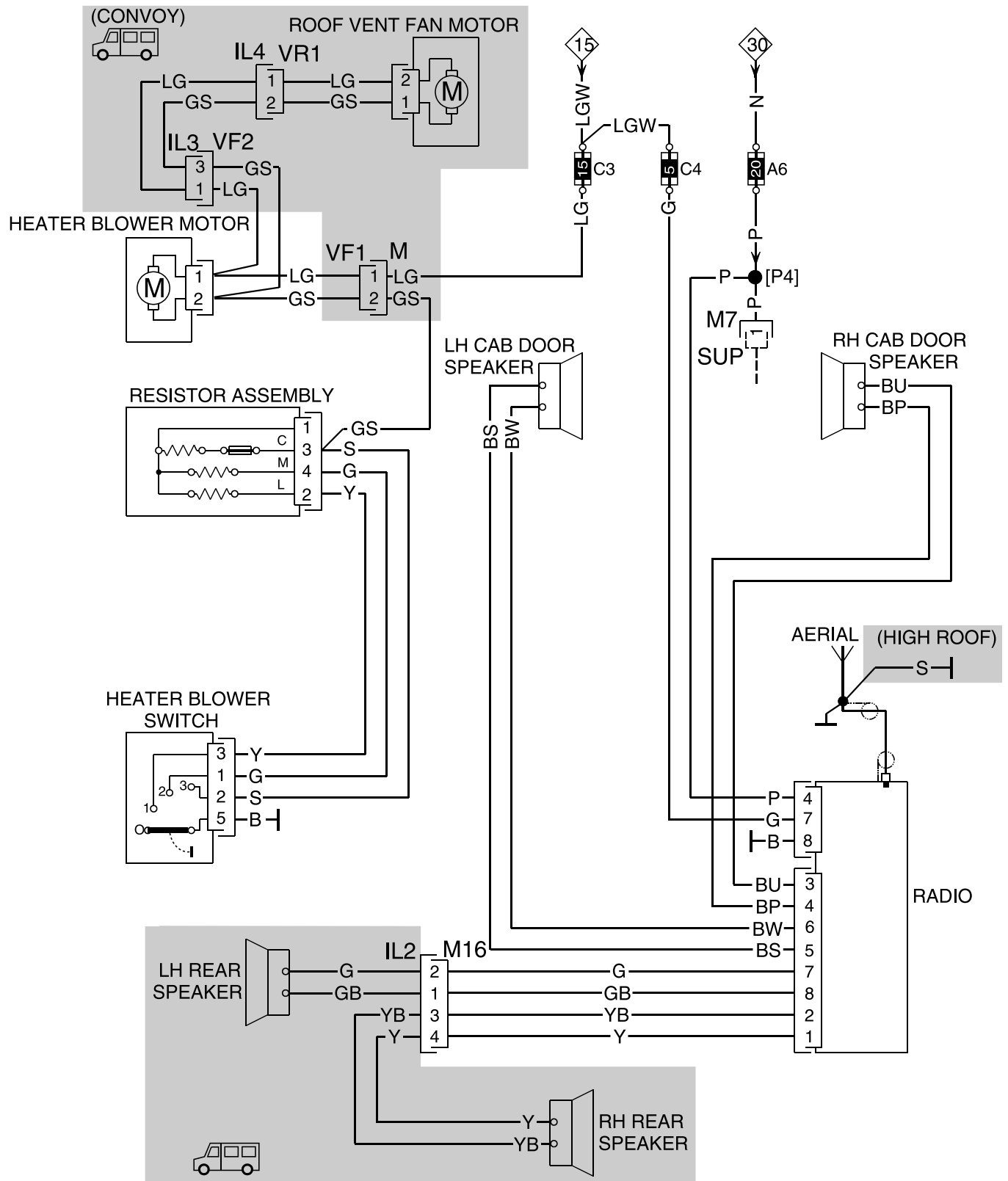
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	1998 - 99	HEATER / VENT FAN / RADIO (PHILIPS)	75.13

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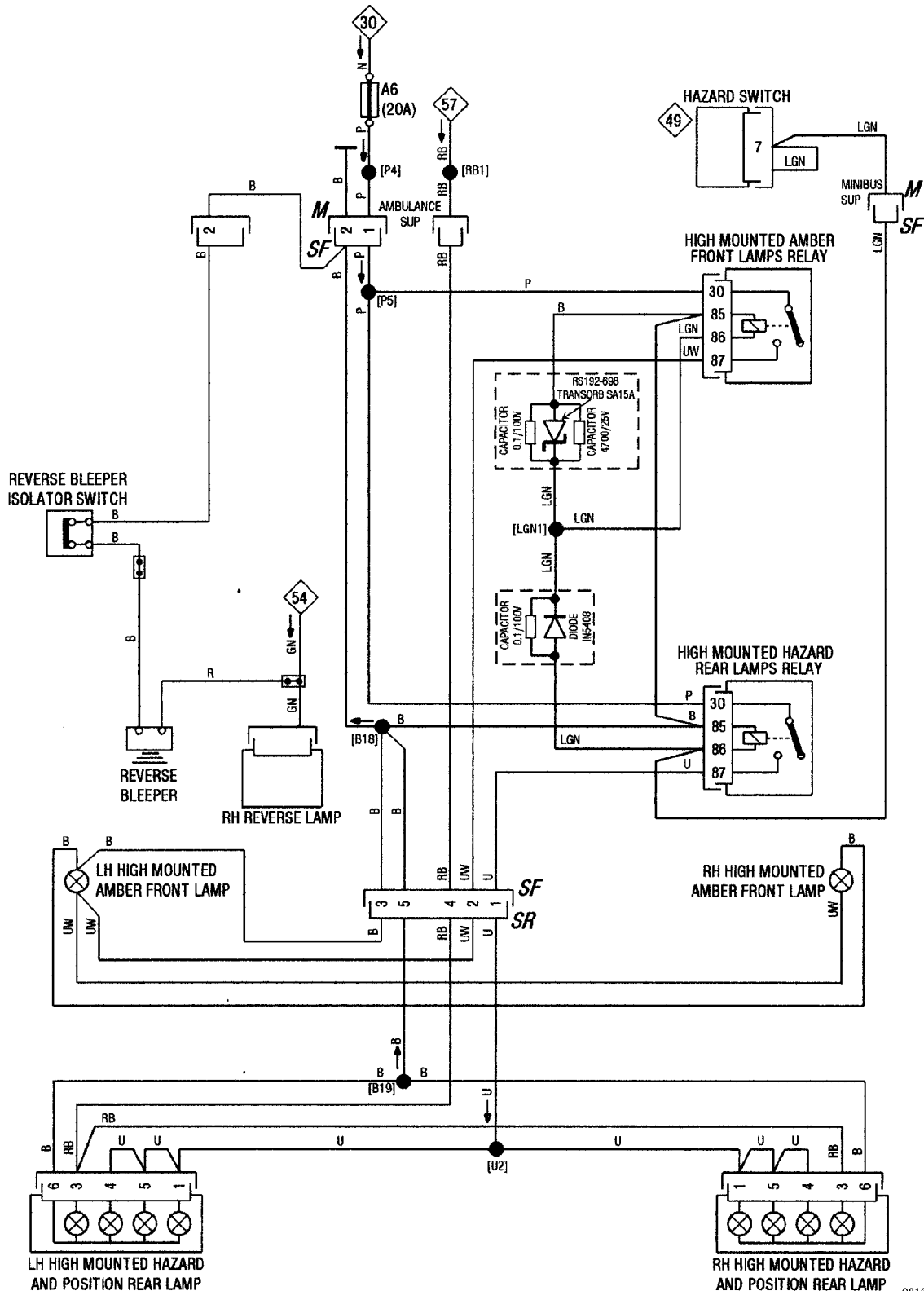
MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	SEP 99 ON	HEATER / VENT FAN / RADIO (PHILIPS)	75.16

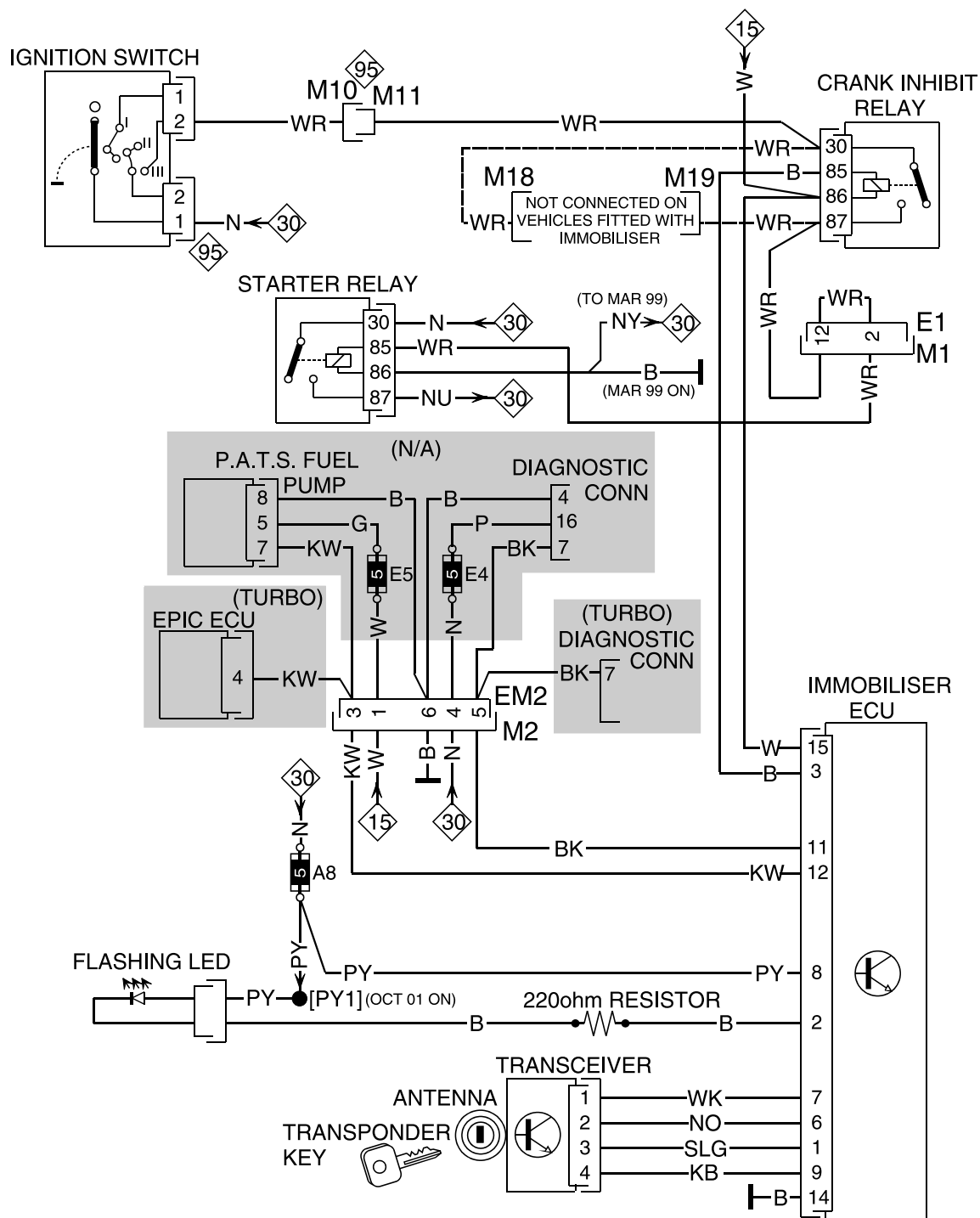
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MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
SCHOOL MINIBUS	OCT 98 ON	HIGH MOUNTED AMBER FRONT LAMPS, AMBER HAZARD REAR LAMPS, RED POSITION REAR LAMPS, & REVERSE BLEEPER	79.01





MODEL TYPE	YEAR	CIRCUIT DIAGRAM	PAGE
ALL	APR 97 ON	ALARM SYSTEM (HAMILTON & PALMER)	95.06

