

Service Manual Trucks

Group **37**

Wiring diagram

FH, NH

Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to November 1998.

The products are under continuous development. Vehicles and components produced after the above date may therefore have different specifications and repair methods. When this is judged to have a significant bearing on this manual, supplementary service bulletins will be issued to cover the changes.

The new edition of this manual will update the changes.

In service procedures where the title incorporates an operation number, this is a reference to V.S.T. (Volvo Standard Times).

Service procedures which do not include an operation number in the title are for general information and no reference is made to V.S.T.

The following levels of observations, cautions and warnings are used in this Service Documentation:

Note: Indicates a situation, handling or circumstance which should be observed.

Important: Indicates a situation, handling or circumstance which should be emphasized so as not to lead to personal injury or damage to property.

Caution: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or damage to property.

Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury or major damage to property.

Danger: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

Volvo do Brasil Veículos Ltda
Curitiba, Brazil

Order number: TSP128319

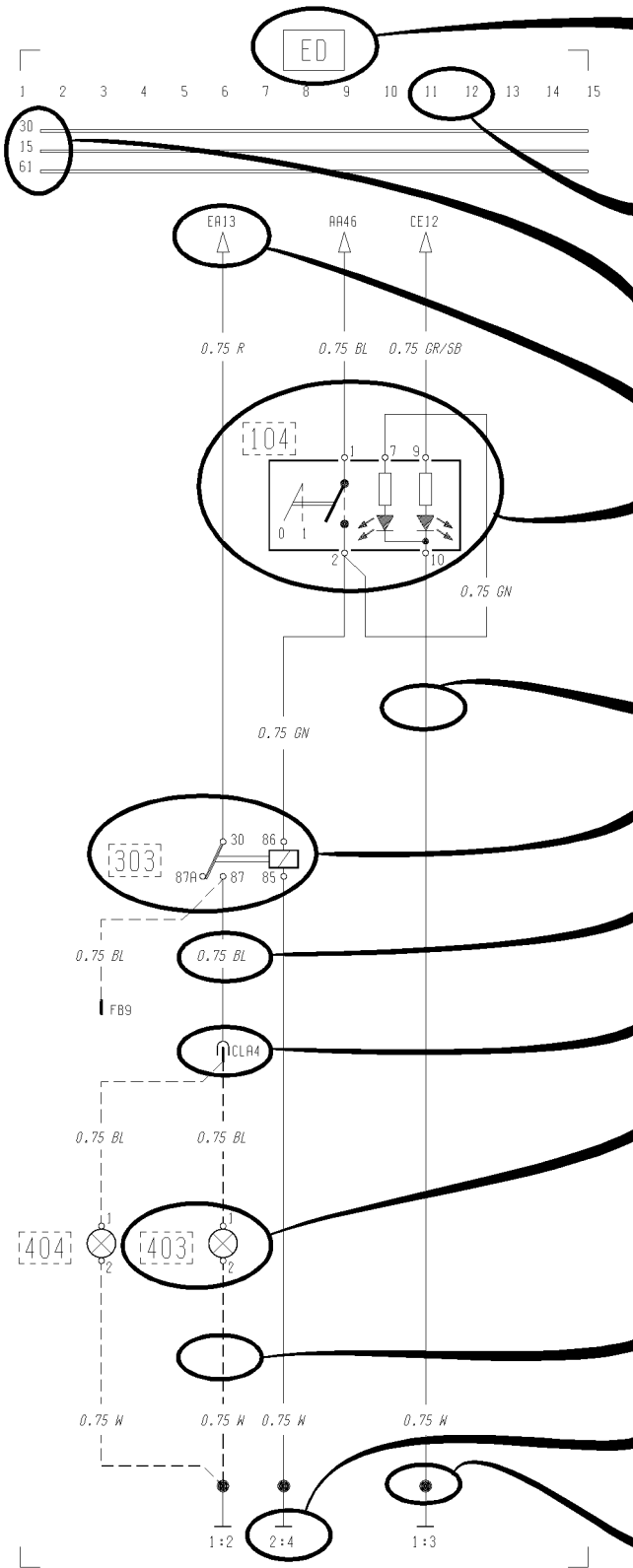
© 1998 Volvo do Brasil Veículos Ltda, Curitiba, Brazil

All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted in any forms by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of Volvo do Brasil Veículos Ltda.

Contents

Example of wiring diagram	2
Examples of symbols on wiring diagram	3
Component wiring diagram index	6
Component wiring diagrams	8
Illustrations index	48
Illustrations	49
Circuit card electrical centre	85
Fuses on circuit card electrical centre	86
Relays on circuit card electrical centre	88
Cable harness illustration index	89
List of connectors	92
List of components	98
Abbreviations	104
Cable colour code	105
Feedback	

Example of wiring diagram



Refer to the list of contents for the designation of the wiring diagram.

If the wiring diagram designation is boxed in with broken lines this means that the wiring diagram is not standard on all market or vehicle models.

Seek column.

30 Voltage battery, kl.30.

15 Voltage with starting key in drive position, kl.15.

61 Voltage when alternator charges, kl.61.

Reference arrow (for circuit diagram EA, seek column 13).

Switch, comp. no. (104).

Single lines, cables.

Relay, comp. no. (303).

Cable area and colour (0.75 mm², blue).

Connector (CLA terminal 4).

Bulb, comp. no. (403)

A broken line box round the component number shows that the component is not standard on all markets or vehicle models.

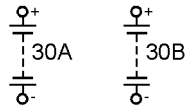
If the line is broken this means the cable is not standard on all markets or vehicle model.

Earth connection point no: 2. and earth terminal no: 4. (see diagram Earth Connections).

Joint sleeve.

T3009608

Examples of symbols on wiring diagram



Battery



Connector



Junktion



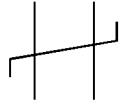
Fuse



Joint sleeve



Cable



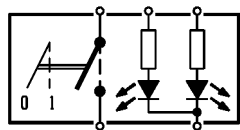
Twisted cables



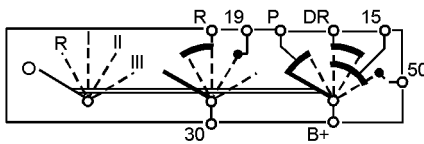
Conductor on circuit card



Earth connection and cable



Switch



Switch, starting switch



Closing contact



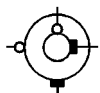
Closing contact, pressure-regulated



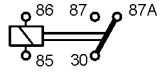
Break contact, temperature-regulated



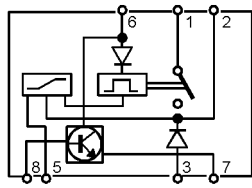
Thermostat, time-regulated



Slip contact, horn



Relay



Relay with internal circuit diagram



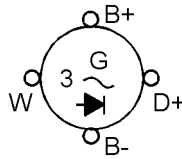
Bulb



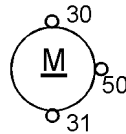
Bulb, full beams and dipped beams



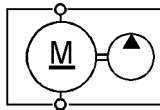
Bulb, tail light



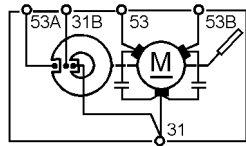
Alternator



Starter motor



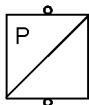
Washer motor



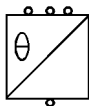
Windscreen wiper motor



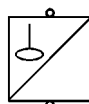
Solenoid valve with diode



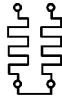
Pressure sensor



Temperature sensor



Level sensor



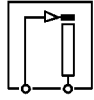
Starting heater



Cigarette lighter



Horn



Rheostat



Buzzer



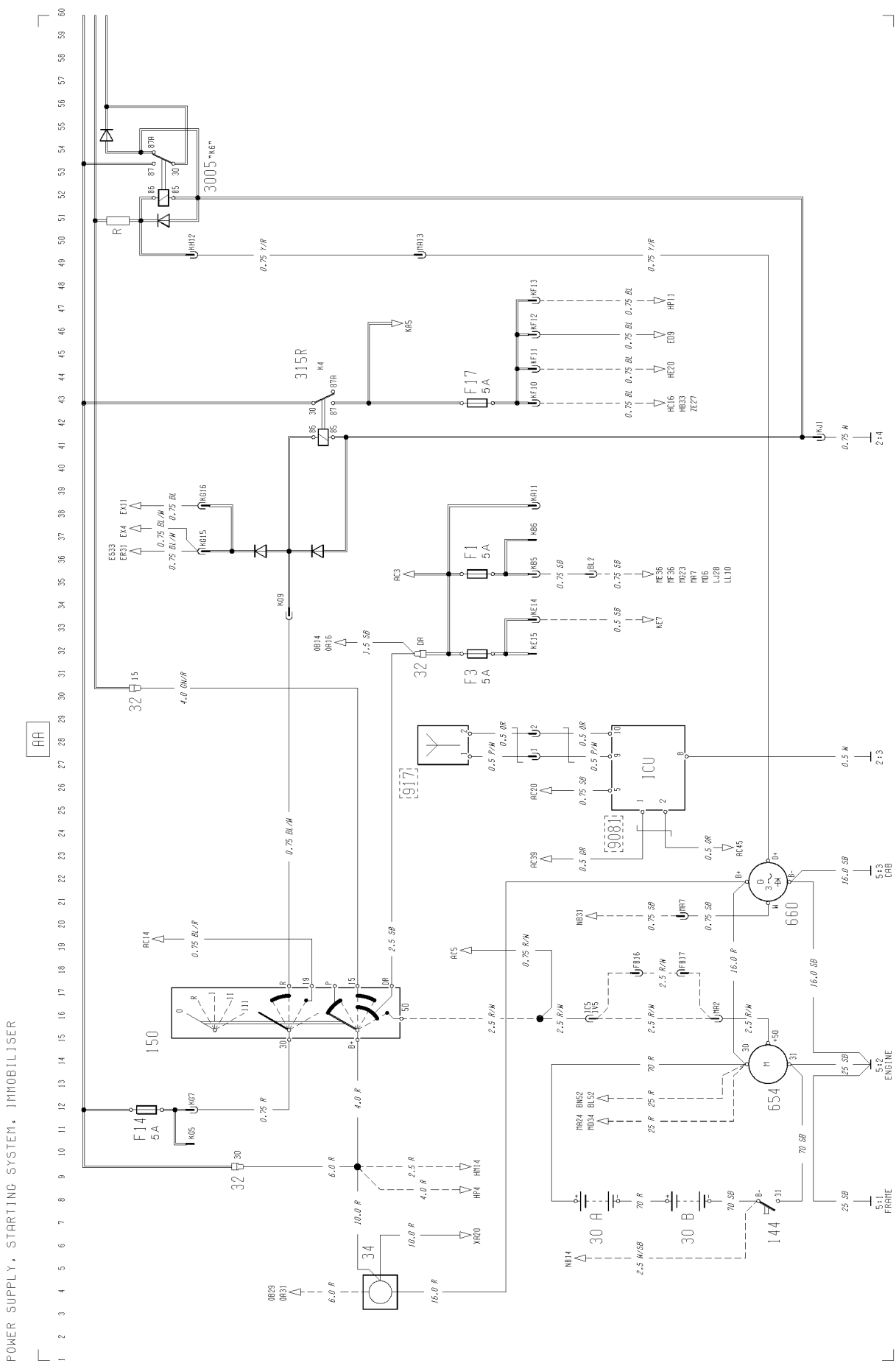
Loudspeaker

Component wiring diagram index

AA	Power supply, starting system, immobiliser	page 8
AC	Vehicle ECU	page 9
BL	Engine ECU, fuel injection system, preheating, FH12	page 10
CE	Head light, parking light, marker light, DRL	page 11
CG	Fog light, rear fog light	page 12
CH	Spot light (STD) DRIVL2	page 12
CI	Spot light (EU) DRIVL2EC	page 12
CK	Brake light	page 13
CL	Trailer controlled exhaust brake	page 13
CN	Direction indicator, hazard warning light	page 14
EA	Reversing light, reversing warning alarm	page 14
ED	Loading light, fifth wheel light	page 15
EJ	Roof sign light, L1H1/L2H1	page 15
EK	Roof sign light, L2H2	page 16
EN	Beacon warning light	page 16
ER	Interior light, L1H1/ L2H1, alarm clock/timer	page 17
ES	Interior light, L2H2, alarm clock/timer	page 18
EV	Cigarette lighter	page 19
EX	12 V power supply	page 19
FA	Horn	page 19
GA	Wiper, washer	page 20
HA	Climate unit	page 21
HB	Cab heater, EBERSPÄCHER D1LCC, PH-CAB	page 22
HC	Cab and engine heater, WEBASTO THERMO 90, PH-ENGCA	page 23
HE	Electrically heated and adjusted seat	page 24
HG	Electrically heated mirrors	page 24
HH	Electrically operated mirrors	page 25
HK	Air dryer	page 25
HM	Fuel filter heater	page 25
HO	Water separator heater	page 25
HP	Electrically cab tilt	page 26
JA	Radio	page 26
KA	Electrically operated window winders	page 27

KB	Electrically sunroof	page 27
KE	SRS, airbag	page 28
KH	Central door lock	page 28
LD	Power take-off	page 28
LE	Double power take-off	page 29
LG	Differential lock	page 29
LJ	Bogie lift, tag axle lock, RADT-LA	page 30
LL	Tag axle lock, RADT-A6S	page 30
MA	Bogie lift hydraulic, RADT-AR	page 31
MD	Bogie lift hydraulic, with axle load limiter, RADT-AR	page 32
ME	Air suspension, 6x2/6x4/8x2/8x4, SUSPL-EC	page 33
MF	Air suspension, 4x2, SUSPL-EC	page 34
MG	Rear air suspension, 4x2, TRACTOR, SUSPL-EC	page 35
NA	Instrument LHS module	page 36
NB	Instrument central module with tachograph	page 37
NC	Instrument RHS module	page 38
NZ	Instrument central module without tachograph	page 39
OA	Basic ABS, D-version	page 40
OB	ABS/ASR, D-version	page 41
PA	Headlight level control	page 42
TA	Refrigerator	page 42
TB	Central lubrication system	page 42
XA	Extra fuses, key switch relay	page 43
ZA	Earth connections	page 44
ZB	Earth connections	page 45
ZD	ADR battery main switch, current limiter	page 46
ZE	Air heater EBERSPÄCHER TMD, ADR-FRA	page 47

Component wiring diagrams



Please Click Here To Download The Complete Manual
Download Other Manuals
If Having Any Questions Feel Free To Contact us

admin@servicemanualbit.com