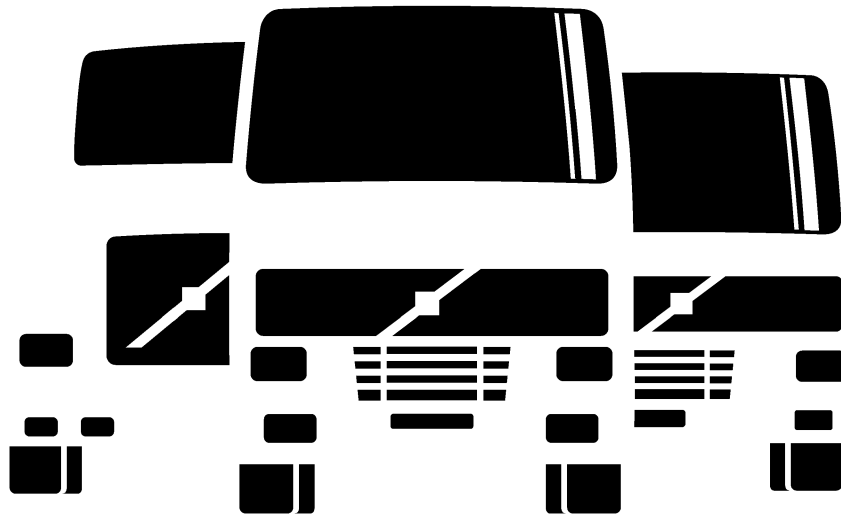


Service Manual Trucks

Group **37**
Wiring diagram
FH12, FH16 LHD
FH12/FH16: 254453–



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to March 96.

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 procedure, practice, or condition that must be followed in order to have the vehicle or component function in the manner intended.

Caution: Indicates an unsafe practice where damage to the product could occur.

Warning: Indicates an unsafe practice where personal injury or severe damage to the product could occur.

Danger: Indicates an unsafe practice where serious personal injury or death could occur.

Volvo Truck Corporation

Göteborg, Sweden

Order number: TSP23708/1

© 96 Volvo Truck Corporation, Göteborg, Sweden

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 Truck Corporation.

ENG01855

Contents

Component wiring diagram index	2
Component wiring diagrams	4
Illustrations index	52
Illustrations	53
Circuit board (32) electrical centre	108
Fuses on circuit board (32) electrical centre	110
Relays on circuit board (32) electrical centre	111
Cable harness illustration index	112
List of connectors	115
List of components	121
Abbreviations	128
Cable colour code	129
Feedback	

Component wiring diagram index

AA	Starter system, engine preheating	page 4
BL	UI, exhaust brake, exhaust pressure governor (FH12)	page 5
BN	EDC, exhaust brake, exhaust pressure governor (FH16)	page 6
CE	Head light, parking light, marker light, DRL	page 7
CG	Foglight, rear fog light	page 8
CH	Spotlight (STD)	page 8
CI	Spotlight (EU)	page 8
CK	Brake light	page 9
CL	Trailer controlled exhaust brake	page 9
CN	Direction indicator, hazard warning light	page 10
EA	Reversing light, reversing warning	page 10
ED	Loading light, fifth wheel light	page 11
EJ	Roof sign light (L1H1/L2H1)	page 11
EK	Roof sign light (L2H2)	page 11
ER	Interior light (L1H1/ L2H1)	page 12
ES	Interior light (L2H2/ L2H3)	page 13
EV	Cigarette lighter	page 14
EX	12 V outlet in cab	page 14
FA	Horn	page 15
GA	Windscreen wipers and washers, headlamp wipers and washers	page 15
HA	Climate unit	page 16
HB	Cab heater EBERSPÄCHER D1LC	page 17
HC	Cab and engine heater WEBASTO DW80 MARK II	page 18
HD	Electrically heated and adjusted seat	page 19
HG	Electrically heated mirror	page 19
HH	Electrically operated mirror	page 20
HK	Air dryer	page 20
HM	Fuel filter heater, waterseparator heater	page 20
HP	Electrically cab tilt	page 21
JA	Radio, voltage divider, loudspeaker, alarm clock	page 22
KA	Electrically operated window winders	page 23
KB	Electrically operated sunroof	page 23
KE	SRS-air bag	page 24
KG	Electrically operated passenger door lock	page 24
KH	Central door lock	page 24
LD	Power take-off	page 25

LE	Double power take-off	page 25
LG	Differential lock	page 26
LJ	Bogie lift, 3rd axle lock (RADT-LA)	page 27
LL	3rd axle lock (RADT-A6S)	page 27
LO	GEARTRONIC- automatic gear shift	page 28
MA	Bogie lift hydraulic	page 29
MD	Bogie lift hydraulic, with axle load limiter	page 30
MN	Air suspension 4x2	page 31
MP	Air suspension 6x2, bogie lift, < 15 tonnes	page 32
MQ	Air suspension 6x2, bogie lift, < 15 tonnes with time limitation	page 33
MR	Air suspension 6x2, bogie lift, pusher	page 34
MS	Air suspension 6x2, bogie lift, 15 tonnes	page 35
MV	AIR-DUMP-drive axle load increase (RADT-A8)	page 36
MW	AIR-DUMP-drive axle load increase with time limitation (RADT-A8)	page 36
MX	Air suspension 6x4	page 37
MY	Air suspension 6x4, <15 tonnes with time limitation	page 38
NA	Instrument LHS unit (standard design)	page 39
NB	Instrument central unit	page 40
NC	Instrument RHS unit (standard design)	page 41
NG	Instrument LHS unit (DIS)	page 42
NJ	Instrument RHS unit (DIS)	page 43
NO	Instrument control lamps module	page 44
OA	ABS, anti-lock brakes	page 45
OG	Retarder	page 46
PA	Headlight level control	page 47
XA	Extra fuses	page 47
XD	Key switch relay, rheostat	page 48
ZA	Earth connections	page 49
ZD	ADR battery main switch, current limiter	page 50
ZE	Air heater EBERSPÄCHER TMD (only french market)	page 51

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

admin@servicemanualbit.com