

Service Manual Trucks

Group **37**

Release**01**

Wiring diagram

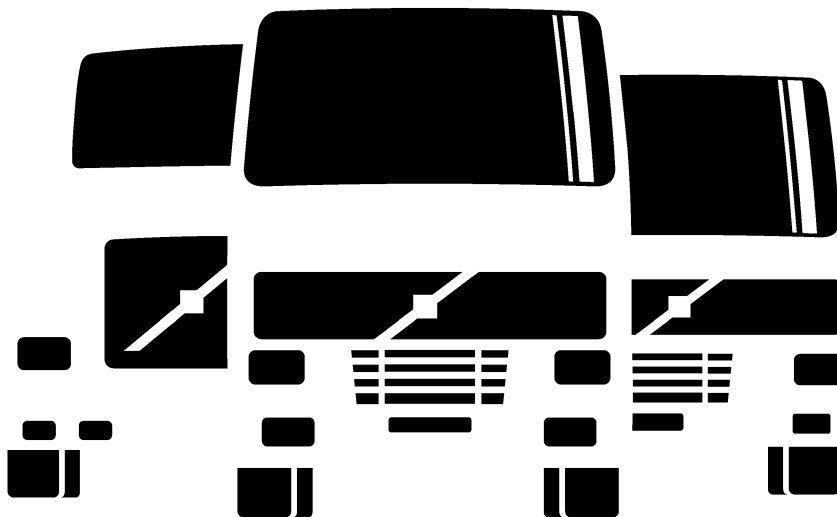
FM

CHID A698436–

CHID B564590–

CHID W100620–754005

CHID CKD891518–



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to September 10.

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

Note: Check always the latest information at the “Wiring diagrams-site”.

Order number: 88956890

Repl: Service bulletin 370–160 TSP 88956892 and service bulletin 370–161 TSP 88956893.

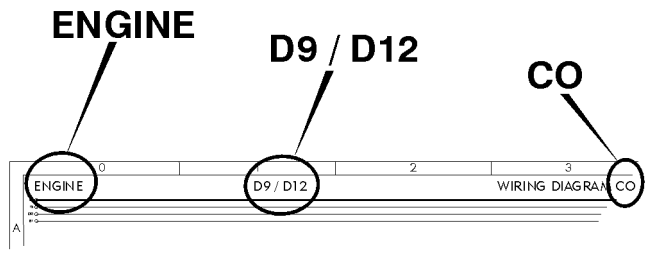
©10 Volvo Truck Corporation, Göteborg, Sweden

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 .

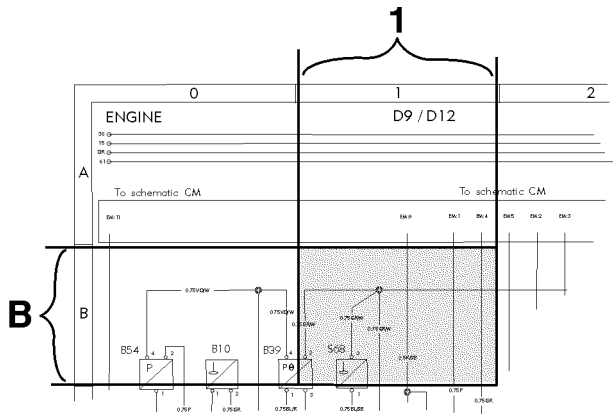
Contents

Example of wiring diagram.....	2
Component wiring diagram index.....	5
Component wiring diagrams.....	9
Illustrations index.....	125
Illustrations.....	126
Fuses.....	227
Relays.....	229
Wiring harness illustration index.....	231
Ground connections.....	234
List of connectors.....	237
List of components.....	252
Abbreviations.....	262
Cable colour code.....	264
Feedback.....	265

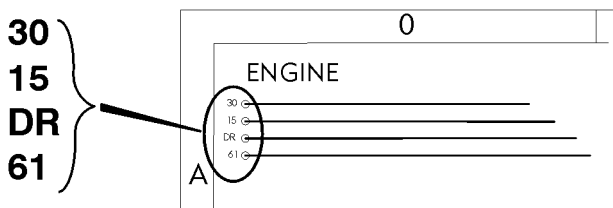
Example of wiring diagram



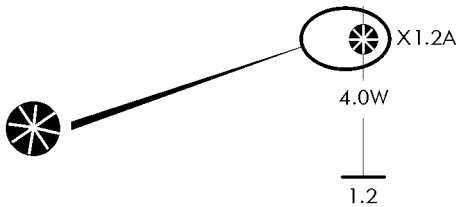
Component wiring diagram title, variant/subtitle and symbol.



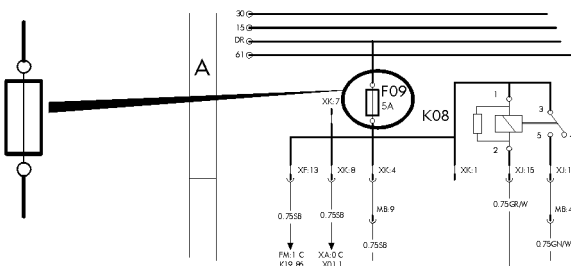
Coordinates (B 1).



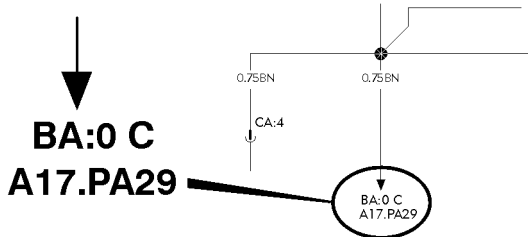
30 Voltage battery, kl.30.
15 Voltage with starter key in drive position, kl.15.
DR Voltage with starter key in drive position, preheat position and start position, kl.DR.
61 Voltage when alternator charges, kl.61.



Splice.

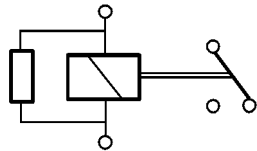
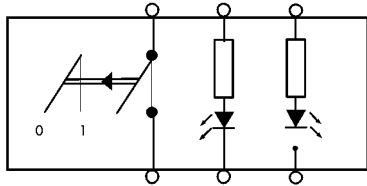
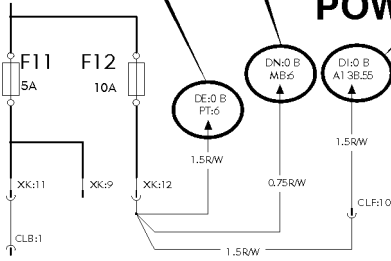


Fuse.



Reference arrow, for diagram BA, coordinates 0 C, component A17, connector PA pin 29.

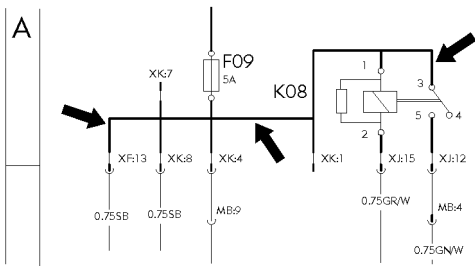
GEARTRONIC
I-SHIFT
POWERTRONIC



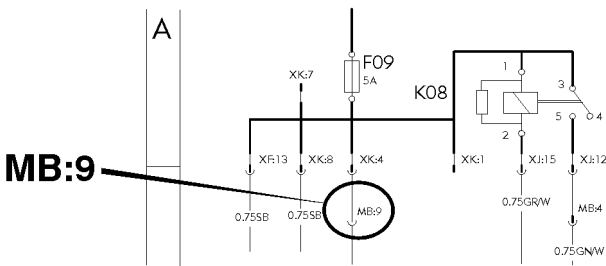
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.

Switch.

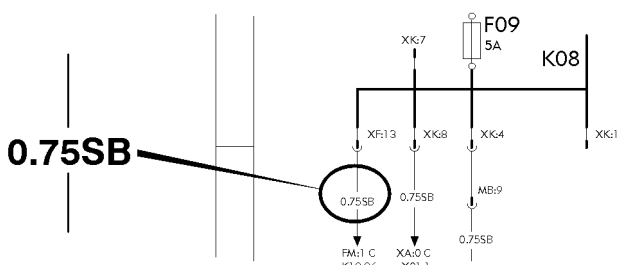
Relay.



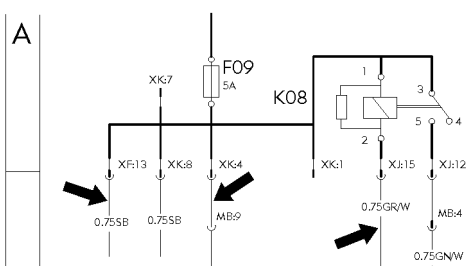
Conductor on circuit card.



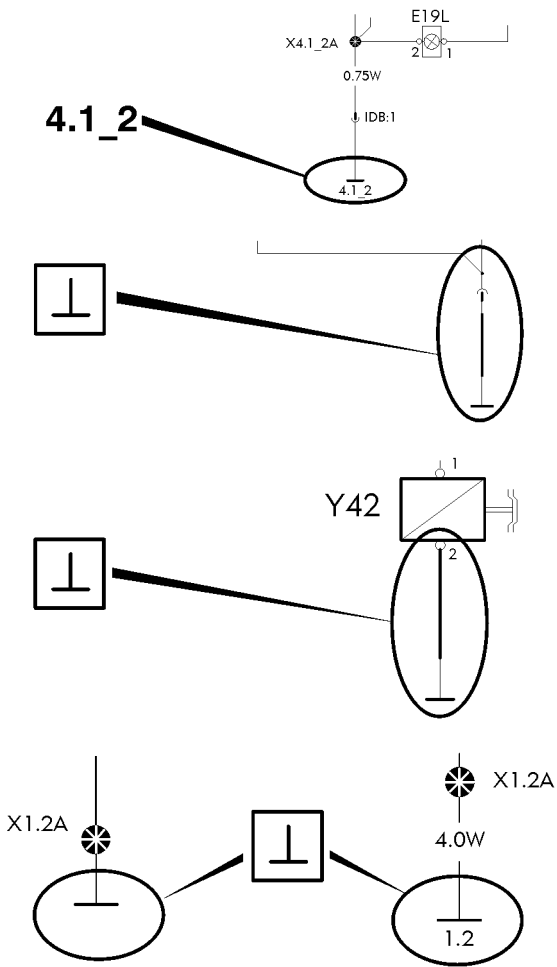
Connector MB terminal 9.



Wire area and colour.



Thin lines, wires.



Earth connection point 4, earth connection 1 and wire 2.

Earth connection to circuit card.

Earth connection without wire.

Same splice can be drawn on several diagrams. The wire from the splice to the earth connection point will only be drawn and coded on one diagram. On the other diagrams will only the earth connection point be written besides the splice.

Component wiring diagram index

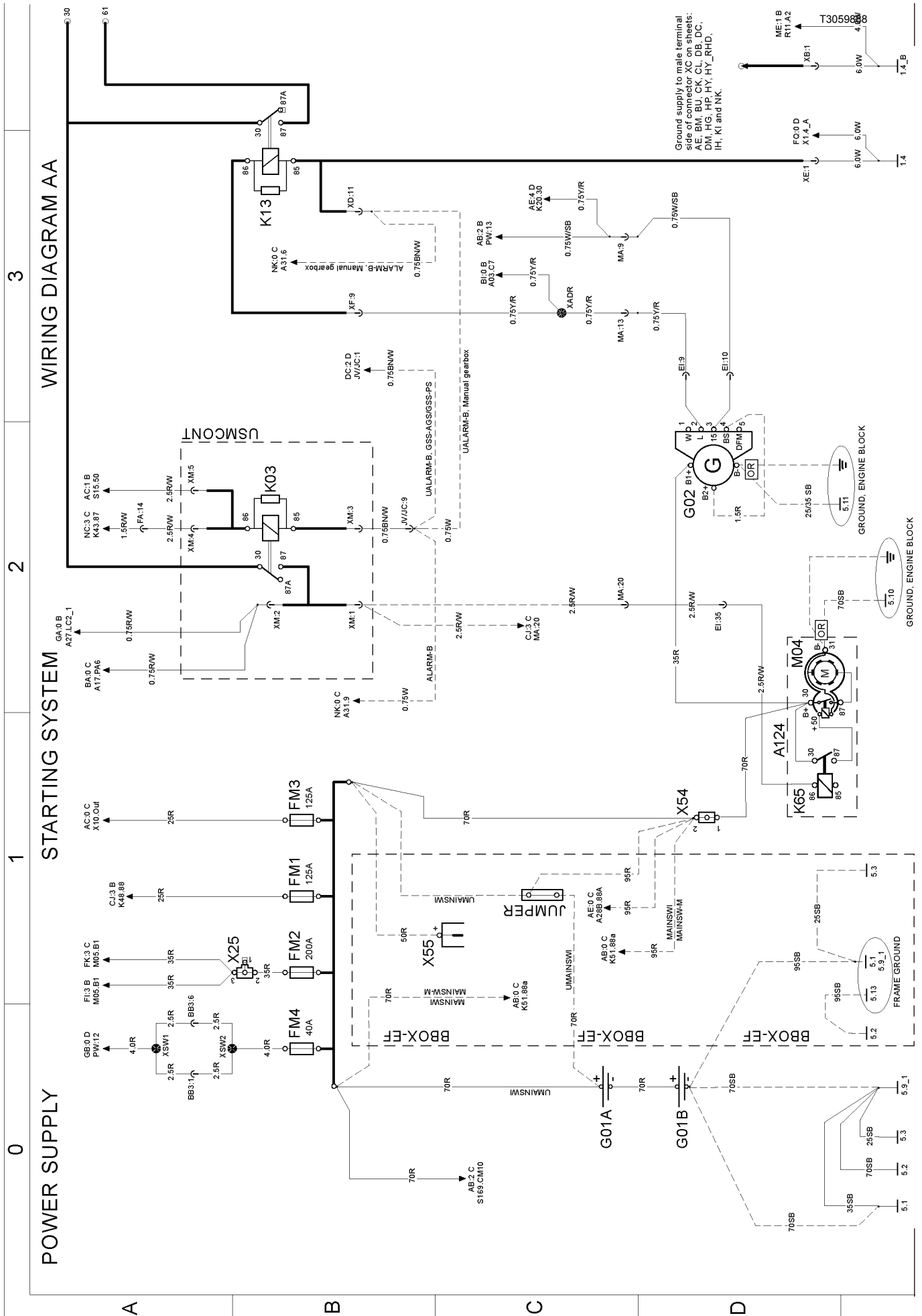
AA	Power supply, starting system	“” , page 9
AB	Main switch	“” , page 10
AC	Power distribution	“” , page 11
AE	ADR, main switch	“” , page 12
AF	ADR, main switch, ADR3	“” , page 13
BA	Vehicle ECU	“” , page 14
BE	Driver Assistance System, ACC	“” , page 15
BI	Instrument cluster	“” , page 16
BM	Tachograph in dash	“” , page 17
BN	Tachograph in shelf	“” , page 18
BU	Dynafleet TIS-BAS/TIS-MED/TIS-HIGH	“” , page 19
BX	FMS Gateway	“” , page 20
BZ	Toll collect	“” , page 21
BZ RHD	Toll collect	“” , page 22
CJ	Engine interface	“” , page 23
CO	Engine D11A, D11B, D13A	“” , page 24
	Engine D11C, EM-EU5	“” , page 25
	Engine D11C, EM-EU5	“” , page 26
	Engine D13B, EGR-C, EM-EC06	“” , page 27
	Engine D13B, EGR-C, EM-EC06	“” , page 28
	Engine D13H, EM-JPN10	“” , page 29
	Engine D13H, EM-JPN10	“” , page 30
	Engine D13C, EM-EU5	“” , page 31
	Engine D13C, EM-EU5	“” , page 32
CP	12V trailer ABS converter, VERS-AUS, TABS-12V	“” , page 33
CR	SCR+DPF, EM-JPN10	“” , page 34
CV	SCR	“” , page 35
DC	Gear selector ECU (I-SHIFT/POWERTRONIC)	“” , page 36
DI	Powertronic	“” , page 37
DM	Retarder manual gearshift	“” , page 38
DP	I-shift	“” , page 39
DQ	Power take off	“” , page 40
DU	Diff-lock	“” , page 41
EE	ABS basic, E-version	“” , page 42
EE RHD	ABS basic, E-version	“” , page 43
EF	ABS 6x2 VERS-SAM	“” , page 44
EO	EBS ECU	“” , page 45
EO RHD	EBS ECU	“” , page 46

EP	EBS modulators	“” , page 47
FA	Air-suspension	“” , page 48
FA RHD	Air-suspension	“” , page 49
FB	Air-suspension	“” , page 50
FB RHD	Air-suspension	“” , page 51
FG	Load indicator	“” , page 52
FI	Bogie lift A-ride	“” , page 53
FK	Bogie lift A-ride with axle load limiter	“” , page 54
FL	Bogie lift J-ride 6x2	“” , page 55
FM	Axle lock, self steered axle	“” , page 56
FO	Electronic steered axle	“” , page 57
FP	Dual steered front axle	“” , page 58
FQ	Air dryer	“” , page 59
FU	Central lubrication system	“” , page 60
FX	Fuel heater, Thermoline	“” , page 61
GA	LCM head lights, BUMP-S/BUMP-P/BUMP-SC	“” , page 62
GA4	LCM head lights, BUMP-HDC	“” , page 63
GB	LCM trailer	“” , page 64
GC	LCM rear lights	“” , page 65
GC RHD	LCM rear lights	“” , page 66
GE	Rear lights overhang	“” , page 67
GF	Rear lights, India/Korea	“” , page 68
GG	Trailer connections, RIGID	“” , page 69
GH	Trailer connections, TRACTOR	“” , page 70
GK	Trailer connections (AUS only)	“” , page 71
GL	Identification lamps	“” , page 72
GL2	Identification lamps, sunvisor H1	“” , page 73
GM	Wiper, rainsensor	“” , page 74
GQ	Horn	“” , page 75
GR	Trailer connections TREL14	“” , page 76
GU	Headlights adjust, BUMP-S/BUMP-P/BUMP-SC	“” , page 77
GU_2	Headlights adjust, BUMP-HDC	“” , page 78
HE	Fan in dash board	“” , page 79
HG	Climate unit, CU,-BAS,-MCC,-ECC	“” , page 80
HI	Air heater, UADR	“” , page 81
HI2	Air heater, ADR	“” , page 82
HM	Water heater	“” , page 83
HP	Short stop cab heater	“” , page 84

HY	Climat unit, CU,-HEAT,-ACMAN,-ACAUT.	“” , page 85
HY RHD	Climat unit, CU,-HEAT,-ACMAN,-ACAUT.	“” , page 86
HZ	Air cooler, Brazil	“” , page 87
IA	El. heated/adj. seat	“” , page 88
IE	El. heat/adj. mirrors, El. window winders	“” , page 89
IF	Foldable mirror bracket	“” , page 90
IH	Interior light, H1	“” , page 91
IH3	Interior light, INLI-NL/INLI-BAS	“” , page 92
IH4	Interior light, H2/H3	“” , page 93
IK	Alcolock, start prevention system	“” , page 94
IM	Central locking, immobiliser	“” , page 95
IQ	El. sunroof, cig. lighter, refrigerator	“” , page 96
IR	12V power supply	“” , page 97
IR2	Power outlets	“” , page 98
IS	SRS. Air-bag	“” , page 99
IU	Audio	“” , page 100
IU RHD	Audio	“” , page 101
IV	Amplifier	“” , page 102
IX	Integrated telephone	“” , page 103
IZ	Backup camera	“” , page 104
KA	Cab tilt	“” , page 105
KE	Load light, 5:th wheel lamp	“” , page 106
KI	Light sign	“” , page 107
KM	Beacon warning light	“” , page 108
ME	Extra fuse block, key switch relay	“” , page 109
MF	Extra fuse block, SPDU-S	“” , page 110
NA	Body builder (BB), auxsw-6 and swapbody	“” , page 111
NA_2	Body builder (BB), auxsw-6, working lamps	“” , page 112
NB	Body builder (BB), tailprep and swapbody	“” , page 113
NC	Body builder (BB), ELCE-CK, BBM, PTO2	“” , page 114
NI	Extra spotlamps front/roof, max 4x70W	“” , page 115
NK	Burglar alarm	“” , page 116
NU	Body builder (BB), SPEED-DU	“” , page 117
NX	Body builder (BB), SPDU-S	“” , page 118
OA	Tyre pressure monitoring (TPM)	“” , page 119
XA	Bus J1708/J1587	“” , page 120
XB	Bus J1939	“” , page 121
XC	Bus J1939–7, OBD	“” , page 122

YA	Ground connector	“”, page 123
ZA RHD	Ground/Misc.	“”, page 124

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