

Service Manual Trucks

Group **37**

Release **01**

Wiring diagram

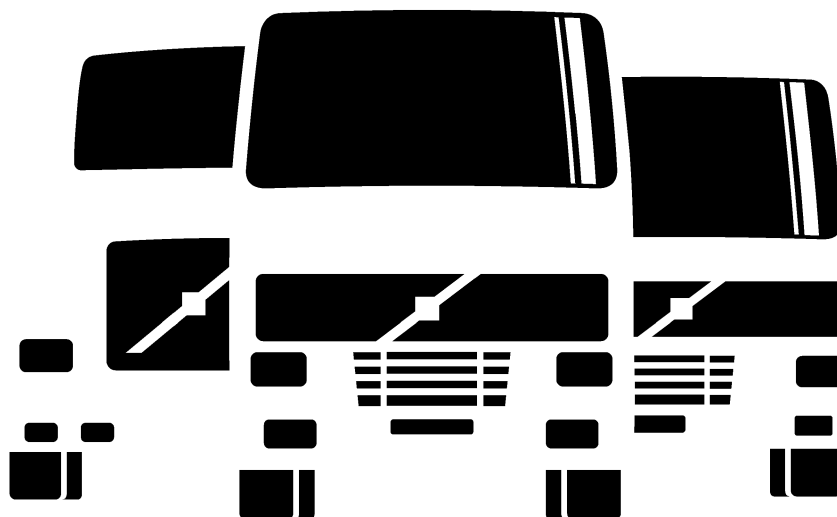
FH

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: 88956883

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

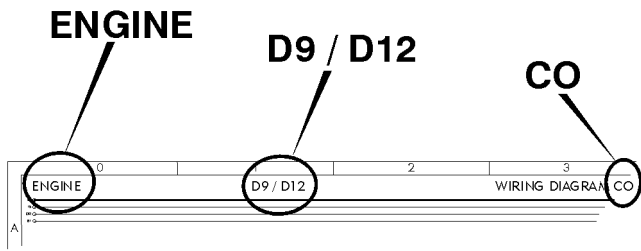
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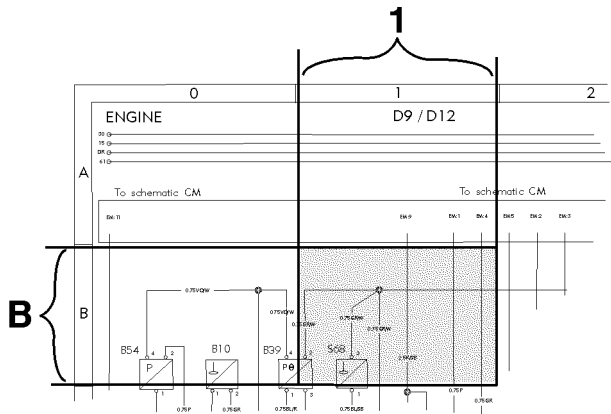
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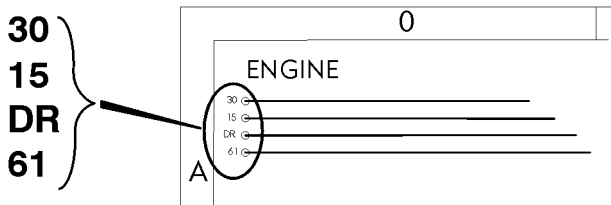
Example of wiring diagram



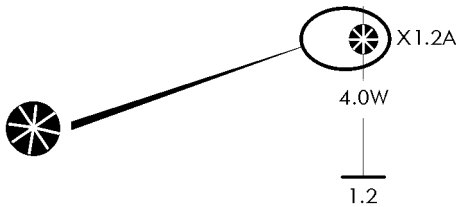
Component wiring diagram title, variant/subtitle and symbol.



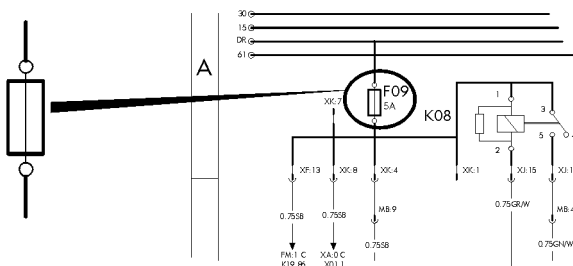
Coordinates (B 1).



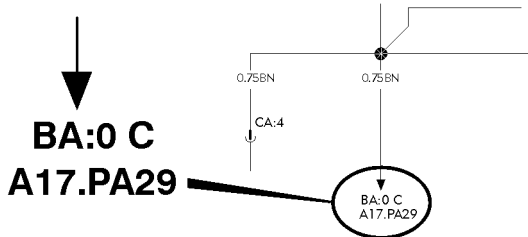
30 Voltage battery, kl.30.
 15 Voltage with starter key in drive position, kl.15.
 DR Voltage with starter key in drive position, preheat position and start position, kl.DR.
 61 Voltage when alternator charges, kl.61.



Splice.

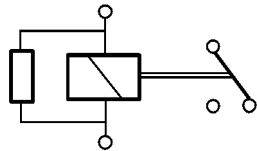
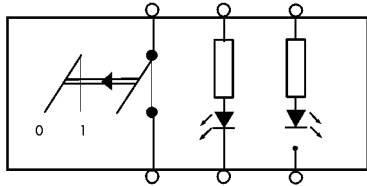
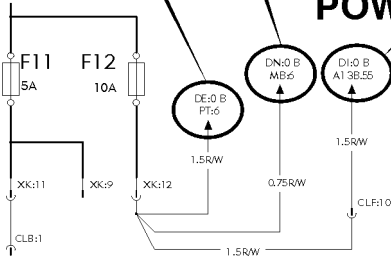


Fuse.



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

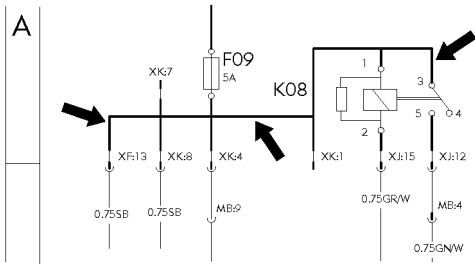
GEARTRONIC
I-SHIFT
POWERTRONIC



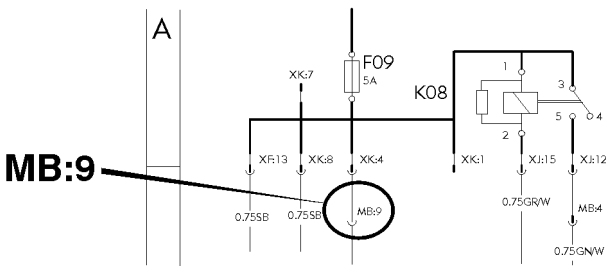
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.

Switch.

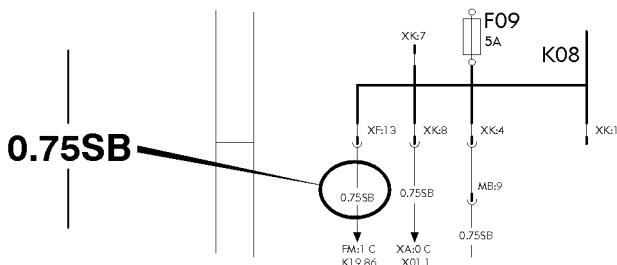
Relay.



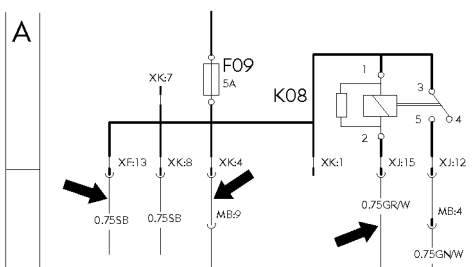
Conductor on circuit card.



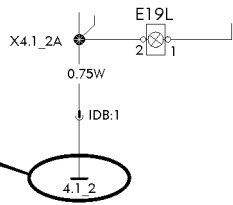
Connector MB terminal 9.



Wire area and colour.

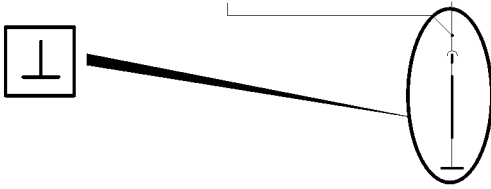


Thin lines, wires.

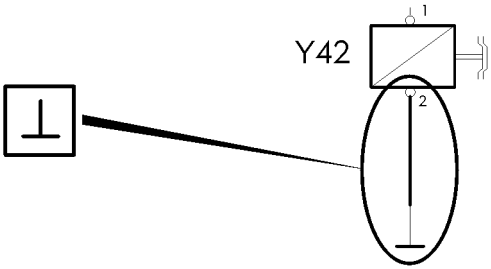


4.1_2

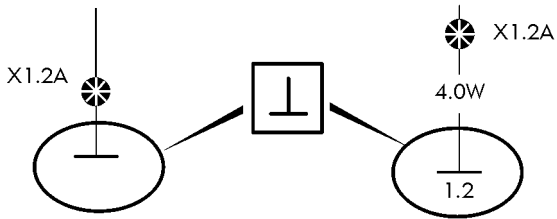
Earth connection point 4, earth connection 1 and wire 2.



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

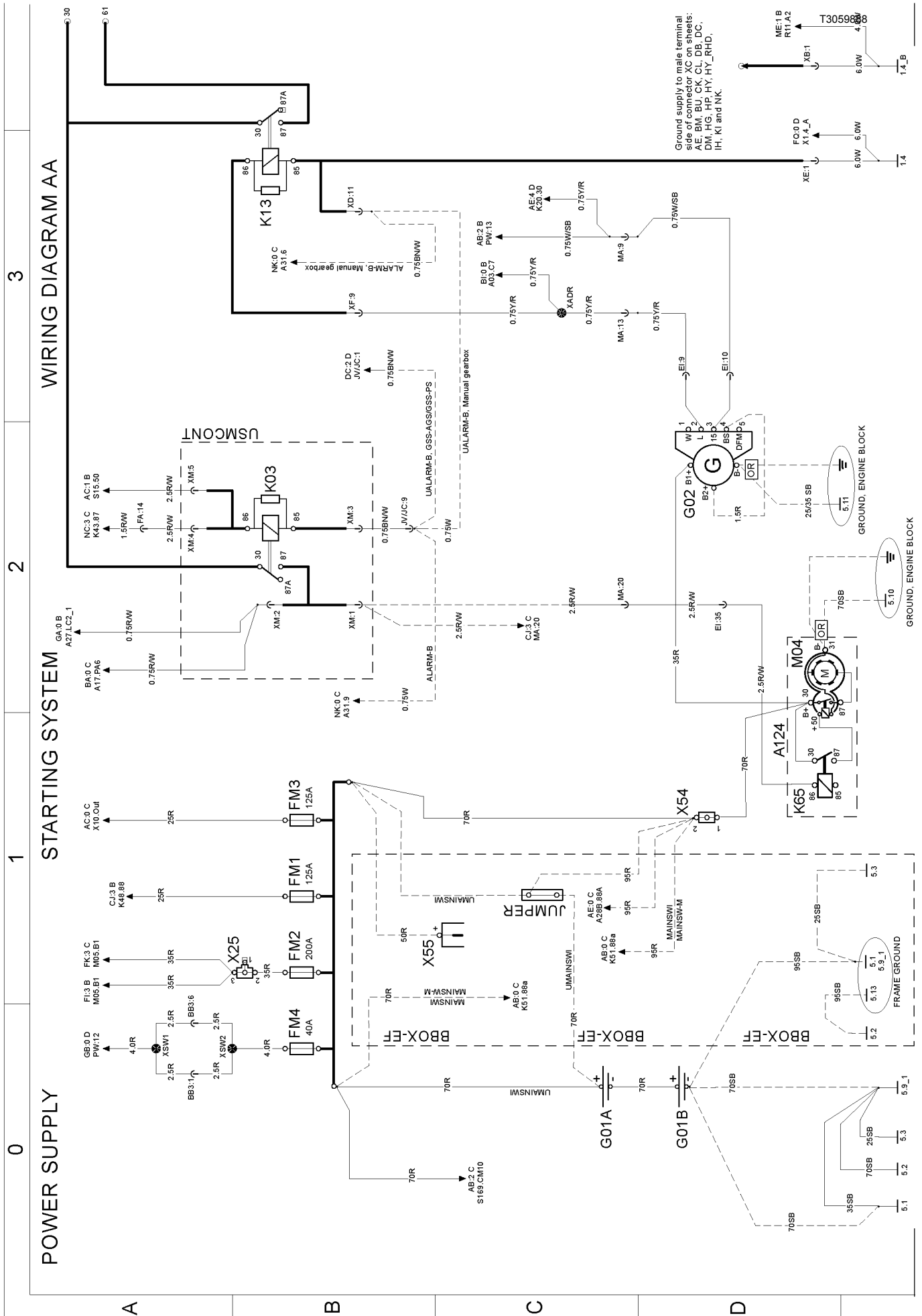
AA	Power supply, starting system	“” , page 9
AB	Main switch	“” , page 10
AC	Power distribution	“” , page 11
AE	ADR, main switch	“” , page 12
AF	ADR, main switch, ADR3	“” , page 13
BA	Vehicle ECU	“” , page 14
BE	Driver Assistance System, ACC	“” , page 15
BI	Instrument cluster	“” , page 16
BM	Tachograph 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 D13A	“” , page 24
	Engine D13B, EGR-C, EM-EC06	“” , page 25
	Engine D13B, EGR-C, EM-EC06	“” , page 26
	Engine D13H, EM-JPN10	“” , page 27
	Engine D13H, EM-JPN10	“” , page 28
	Engine D13C, EM-EU5	“” , page 29
	Engine D13C, EM-EU5	“” , page 30
	Engine D16C4	“” , page 31
	Engine D16E	“” , page 32
	Engine D16G, EM-EU5	“” , page 33
	Engine D16G, EM-EU5	“” , page 34
CP	12V trailer ABS converter, VERS-AUS, TABS-12V	“” , page 35
CR	SCR+DPF, EM-JPN10	“” , page 36
CV	SCR	“” , page 37
DC	Gear selector ECU (I-SHIFT/POWERTRONIC)	“” , page 38
DI	Powertronic	“” , page 39
DM	Retarder manual gearshift	“” , page 40
DP	I-shift	“” , page 41
DQ	Power take off	“” , page 42
DU	Diff-lock	“” , page 43
EE	ABS basic, E-version	“” , page 44
EE RHD	ABS basic, E-version	“” , page 45
EF	ABS 6x2 VERS-SAM	“” , page 46

EO	EBS ECU	“” , page 47
EO RHD	EBS ECU	“” , page 48
EP	EBS modulators	“” , page 49
FA	Air-suspension	“” , page 50
FA RHD	Air-suspension	“” , page 51
FB	Air-suspension	“” , page 52
FB RHD	Air-suspension	“” , page 53
FG	Load indicator	“” , page 54
FI	Bogie lift A-ride	“” , page 55
FK	Bogie lift A-ride with axle load limiter	“” , page 56
FL	Bogie lift J-ride 6x2	“” , page 57
FM	Axle lock, self steered axle	“” , page 58
FO	Electronic steered axle	“” , page 59
FP	Dual steered front axle	“” , page 60
FQ	Air dryer	“” , page 61
FU	Central lubrication system	“” , page 62
FX	Fuel heater, Thermoline	“” , page 63
GA	LCM head lights, BUMP-S/BUMP-P/BUMP-SC	“” , page 64
GB	LCM trailer	“” , page 65
GC	LCM rear lights	“” , page 66
GC RHD	LCM rear lights	“” , page 67
GE	Rear lights overhang	“” , page 68
GF	Rear lights, India/Korea	“” , page 69
GG	Trailer connections, RIGID	“” , page 70
GH	Trailer connections, TRACTOR	“” , page 71
GK	Trailer connections (AUS only)	“” , page 72
GL	Identification lamps	“” , page 73
GL2	Identification lamps, sunvisor H1	“” , page 74
GM	Wiper, rainsensor	“” , page 75
GQ	Horn	“” , page 76
GR	Trailer connections TREL14	“” , page 77
GU	Headlights adjust, BUMP-S/BUMP-P/BUMP-SC	“” , 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
IH2	Interior light, INLI-NLD	“” , page 92
IH3	Interior light, INLI-NL/INLI-BAS	“” , page 93
IH4	Interior light, H2/H3	“” , page 94
IK	Alcolock, start prevention system	“” , page 95
IM	Central locking, immobiliser	“” , page 96
IQ	El. sunroof, cig. lighter, refrigerator	“” , page 97
IR	12V power supply	“” , page 98
IR2	Power outlets	“” , page 99
IS	SRS. Air-bag	“” , page 100
IU	Audio	“” , page 101
IU RHD	Audio	“” , page 102
IV	Amplifier	“” , page 103
IX	Integrated telephone	“” , page 104
IZ	Backup camera	“” , page 105
KA	Cab tilt	“” , page 106
KE	Load light, 5:th wheel lamp	“” , page 107
KI	Light sign	“” , page 108
KM	Beacon warning light	“” , page 109
ME	Extra fuse block, key switch relay	“” , page 110
MF	Extra fuse block, SPDU-S	“” , page 111
NA	Body builder (BB), auxsw-6 and swapbody	“” , page 112
NA_2	Body builder (BB), auxsw-6, working lamps	“” , page 113
NB	Body builder (BB), tailprep and swapbody	“” , page 114
NC	Body builder (BB), ELCE-CK, BBM, PTO2	“” , page 115
NI	Extra spotlamps front/roof, max 4x70W	“” , page 116
NK	Burglar alarm	“” , page 117
NU	Body builder (BB), SPEED-DU	“” , page 118
NX	Body builder (BB), SPDU-S	“” , page 119
OA	Tyre pressure monitoring (TPM)	“” , page 120
XA	Bus J1708/J1587	“” , page 121
XB	Bus J1939	“” , page 122
XC	Bus J1939–7, OBD	“” , page 123

YA	Ground connector	“”, page 124
ZA RHD	Ground/Misc.	“”, page 125

Component wiring diagrams



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