

SERVICE INFORMATION

Volvo Truck Corporation



Wiring diagram

FM

CHID A749974–

CHID B664039–



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to July 13.

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, an updated version of this manual will be issued to cover the changes.

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”.

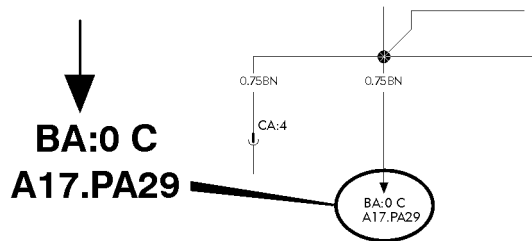
Order number: 89062069

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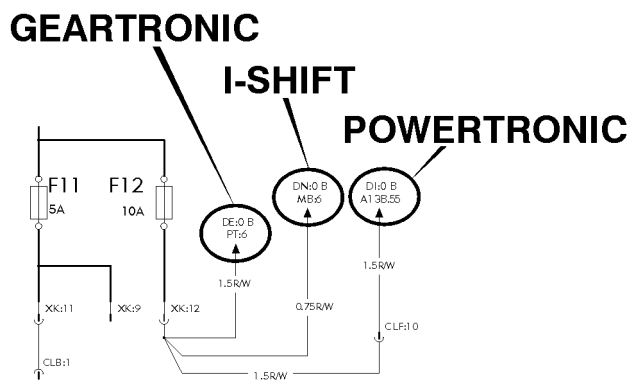
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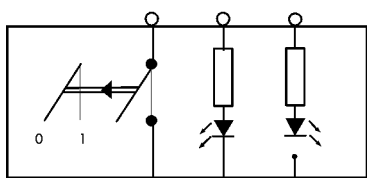
Reference arrow, for diagram BA, coordinates 0 C, component A17, connector PA pin 29.

T3016007



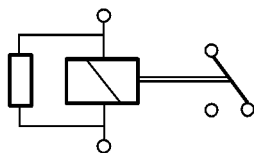
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.

T3016008



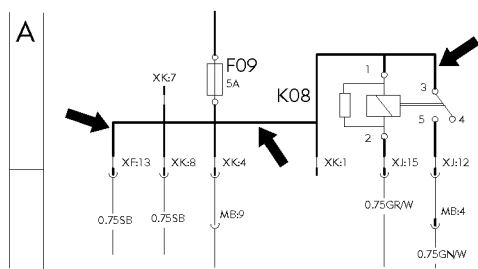
Switch.

T3016009



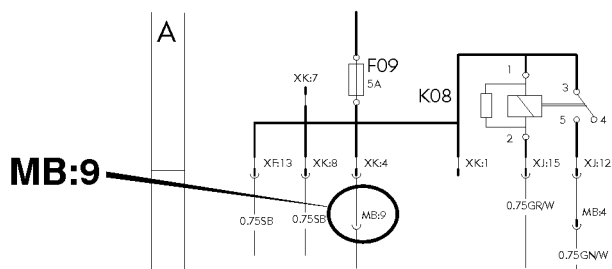
Relay.

T3016010



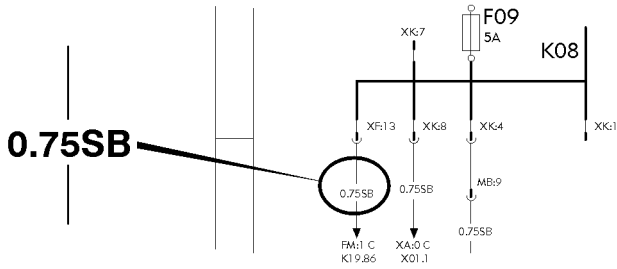
Conductor on circuit card.

T3016012



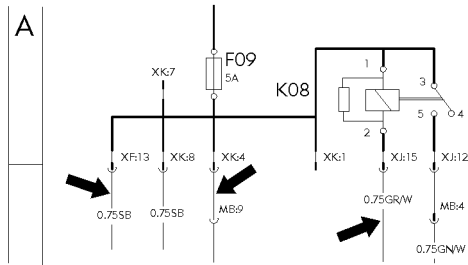
Connector MB terminal 9.

T3016013



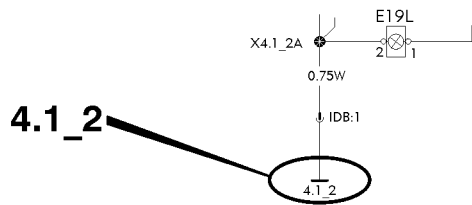
Wire area and colour.

T3016014



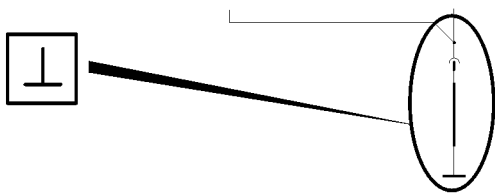
Thin lines, wires.

T3016015



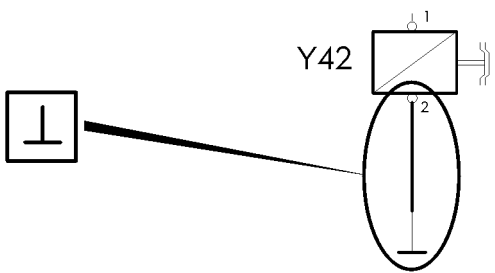
Earth connection point 4, earth connection 1 and wire 2.

T3019438



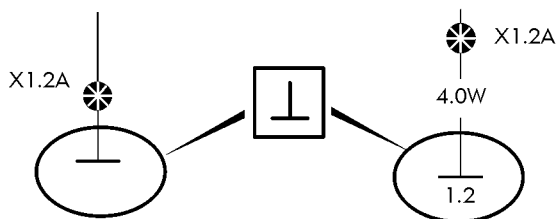
Earth connection to circuit card.

T3016017



Earth connection without wire.

T3016019



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.

T3019439

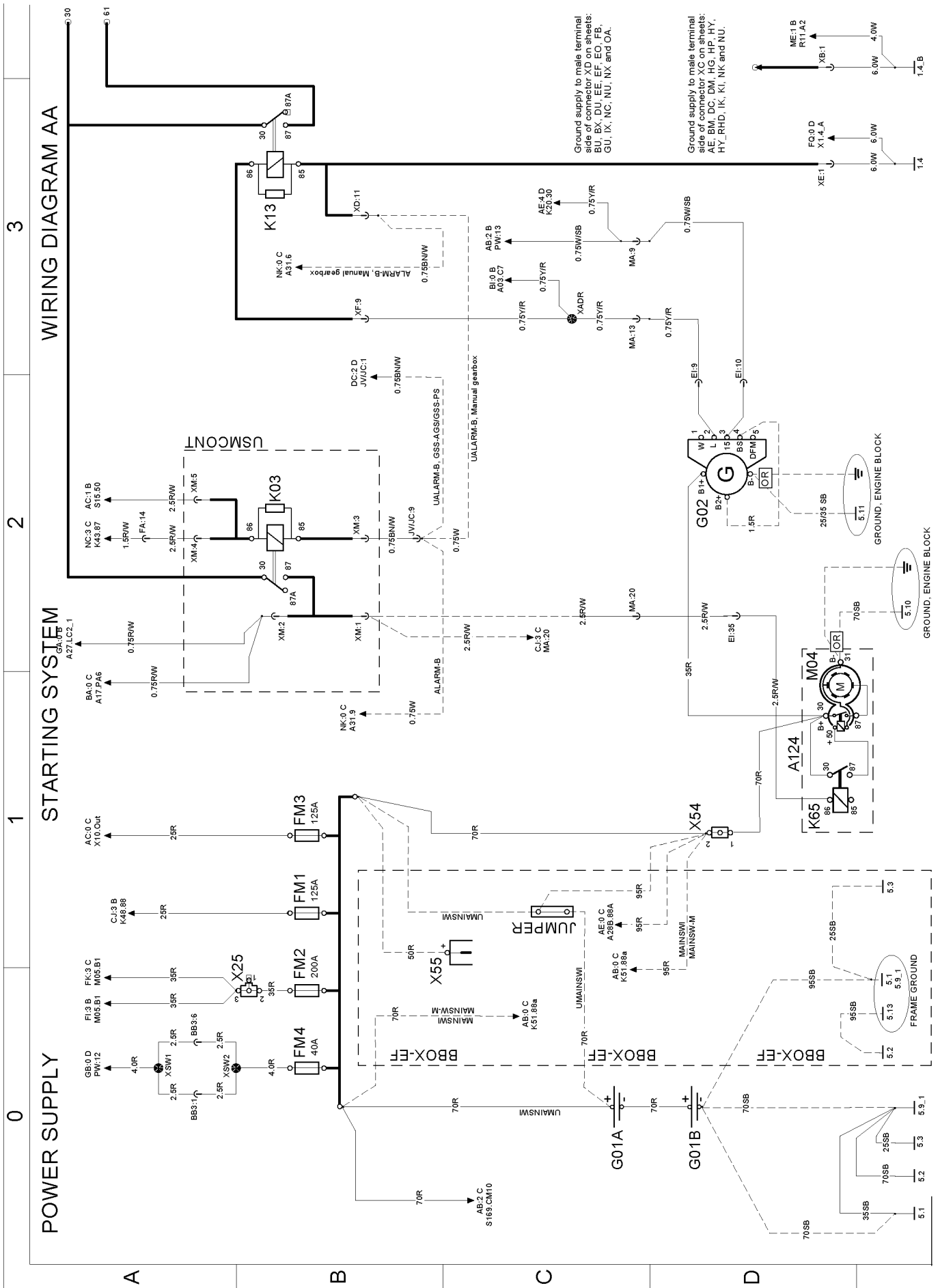
Component wiring diagram index

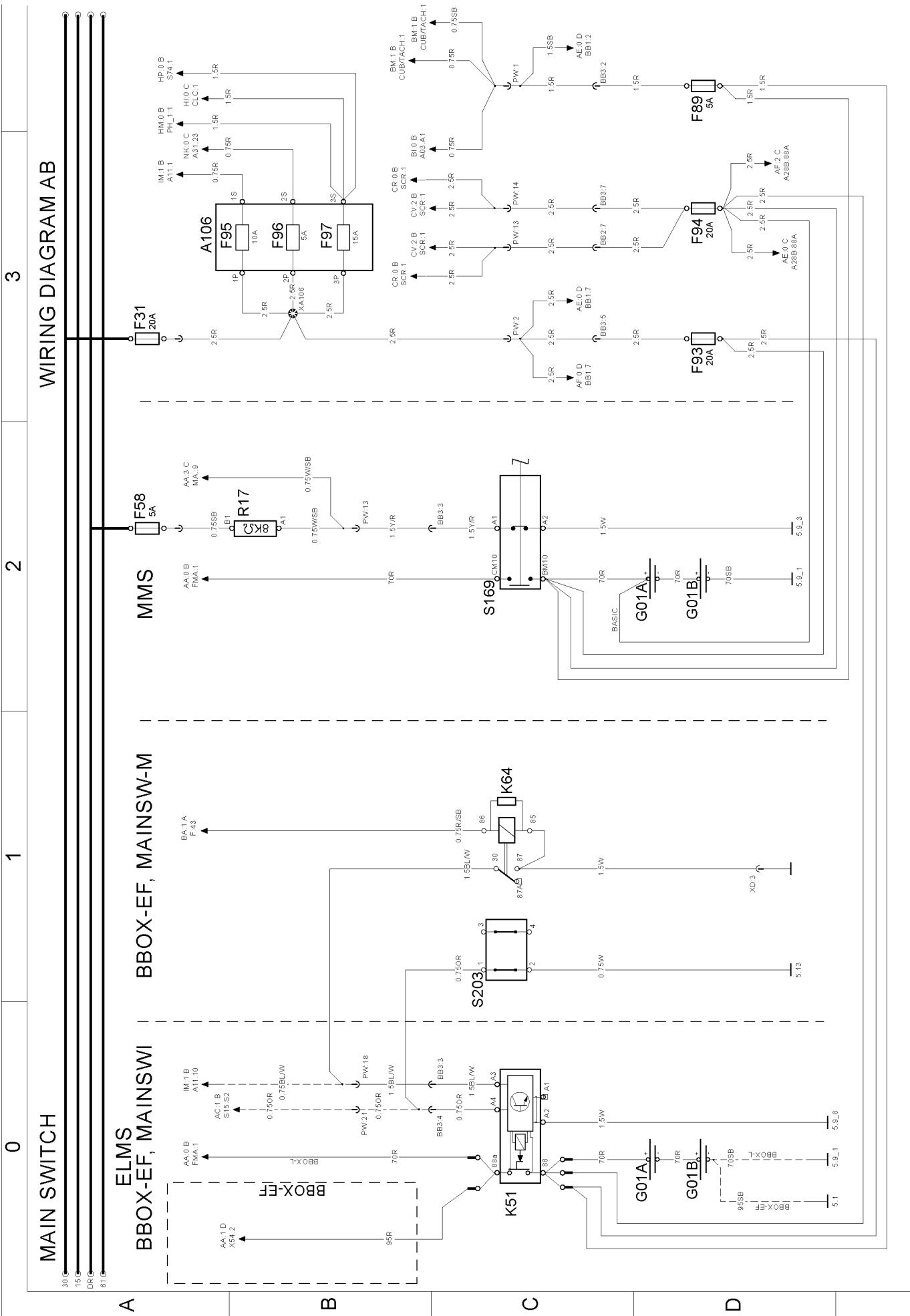
AA	Power supply, starting system	“ ”, page 7
AB	Main switch	“ ”, page 8
AC	Power distribution	“ ”, page 9
AE	ADR, main switch	“ ”, page 10
AF	ADR, main switch, ADR3	“ ”, page 11
BA	Vehicle ECU	“ ”, page 12
BE	Driver Assistance System, ACC	“ ”, page 13
BI	Instrument cluster	“ ”, page 14
BM	Tachograph in dash	“ ”, page 15
BN	Tachograph in shelf	“ ”, page 16
BU	Dynafleet TIS-BAS/TIS-MED/TIS-HIGH	“ ”, page 17
BX	FMS Gateway	“ ”, page 18
BZ	Toll collect	“ ”, page 19
BZ RHD	Toll collect	“ ”, page 20
CJ	Engine interface	“ ”, page 21
CO	Engine D11A, D11B, D13A	“ ”, page 22
	Engine D11C, EM-EU5	“ ”, page 23
	Engine D11C, EM-EU5	“ ”, 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
CP	12V trailer ABS converter, VERS-AUS, TABS-12V	“ ”, page 31
CR	SCR+DPF, EM-JPN10	“ ”, page 32
CV	SCR	“ ”, page 33
DC	Gear selector ECU (I-SHIFT/POWERTRONIC)	“ ”, page 34
DI	Powertronic	“ ”, page 35
DM	Retarder manual gearshift	“ ”, page 36
DP	I-shift	“ ”, page 37
DQ	Power take off	“ ”, page 38
DU	Diff-lock	“ ”, page 39
EE	ABS basic, E-version	“ ”, page 40
EE RHD	ABS basic, E-version	“ ”, page 41
EF	ABS 6x2 VERS-SAM	“ ”, page 42
EO	EBS ECU	“ ”, page 43
EO RHD	EBS ECU	“ ”, page 44

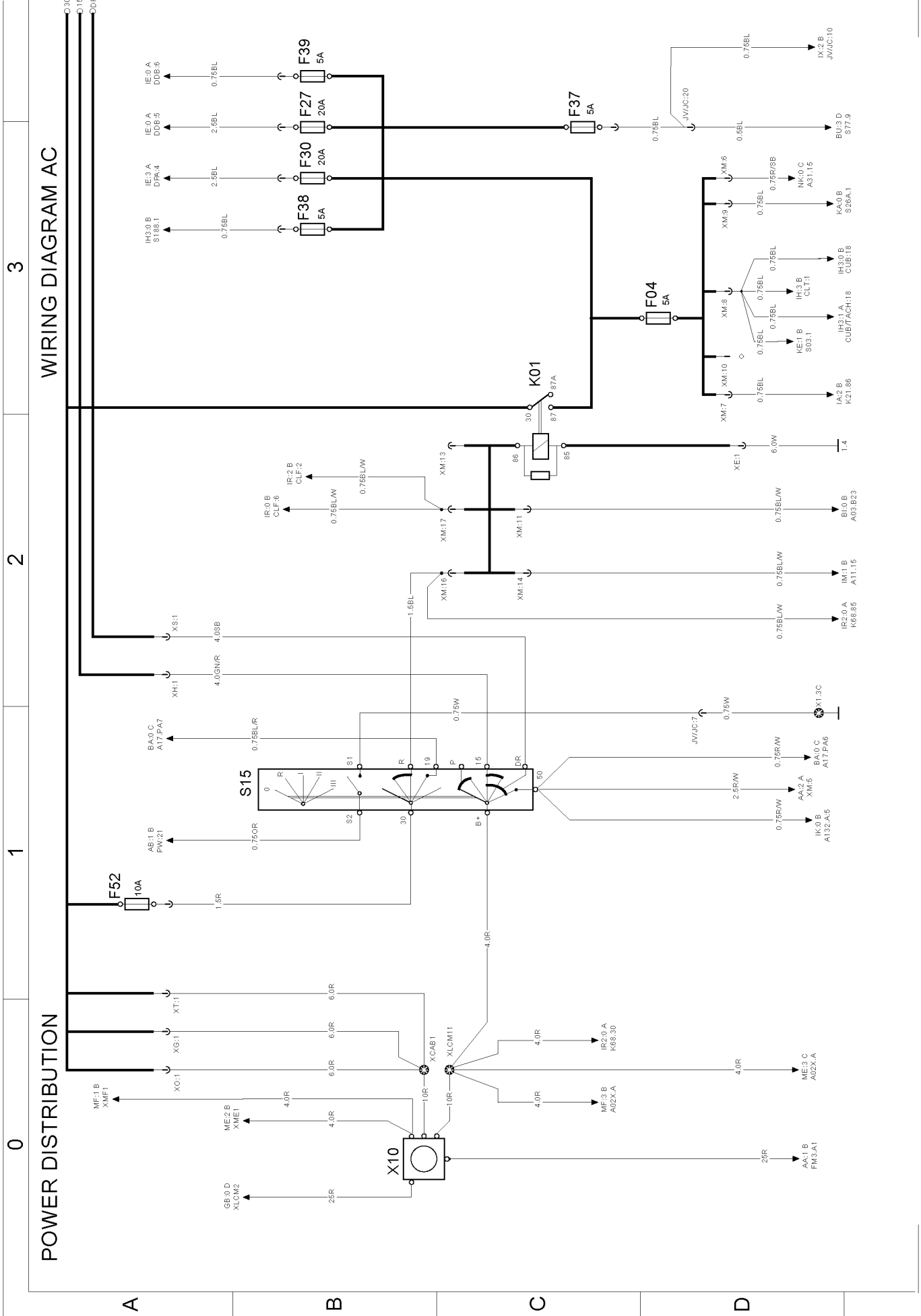
EP	EBS modulators.....	“ ”, page 45
FA	Air-suspension	“ ”, page 46
FA RHD	Air-suspension	“ ”, page 47
FB	Air-suspension	“ ”, page 48
FB RHD	Air-suspension	“ ”, page 49
FG	Load indicator	“ ”, page 50
FI	Bogie lift A-ride.....	“ ”, page 51
FK	Bogie lift A-ride with axle load limiter	“ ”, page 52
FL	Bogie lift J-ride 6x2	“ ”, page 53
FM	Axle lock, self steered axle	“ ”, page 54
FO	Electronic steered axle	“ ”, page 55
FP	Dual steered front axle.....	“ ”, page 56
FQ	Air dryer	“ ”, page 57
FU	Central lubrication system	“ ”, page 58
FX	Fuel heater, Thermoline.....	“ ”, page 59
GA	LCM head lights, BUMP-S/BUMP-P/BUMP-SC	“ ”, page 60
GA4	LCM head lights, BUMP-HDC	“ ”, page 61
GB	LCM trailer	“ ”, page 62
GC	LCM rear lights.....	“ ”, page 63
GC RHD	LCM rear lights.....	“ ”, page 64
GE	Rear lights overhang.....	“ ”, page 65
GF	Rear lights, India/Korea.....	“ ”, page 66
GG	Trailer connections, RIGID	“ ”, page 67
GH	Trailer connections, TRACTOR.....	“ ”, page 68
GK	Trailer connections (AUS only).....	“ ”, page 69
GL	Identification lamps.....	“ ”, page 70
GL2	Identification lamps, sunvisor H1.....	“ ”, page 71
GM	Wiper, rainsensor.....	“ ”, page 72
GQ	Horn	“ ”, page 73
GR	Trailer connections TREL14	“ ”, page 74
GU	Headlights adjust, BUMP-S/BUMP-P/BUMP-SC.....	“ ”, page 75
GU_2	Headlights adjust, BUMP-HDC	“ ”, page 76
HE	Fan in dash board.....	“ ”, page 77
HG	Climate unit, CU,-BAS,-MCC,-ECC.....	“ ”, page 78
HI	Air heater, UADR	“ ”, page 79
HI2	Air heater, ADR.....	“ ”, page 80
HM	Water heater	“ ”, page 81
HP	Short stop cab heater	“ ”, page 82
HY	Climat unit, CU,-HEAT,-ACMAN,-ACAUT.....	“ ”, page 83

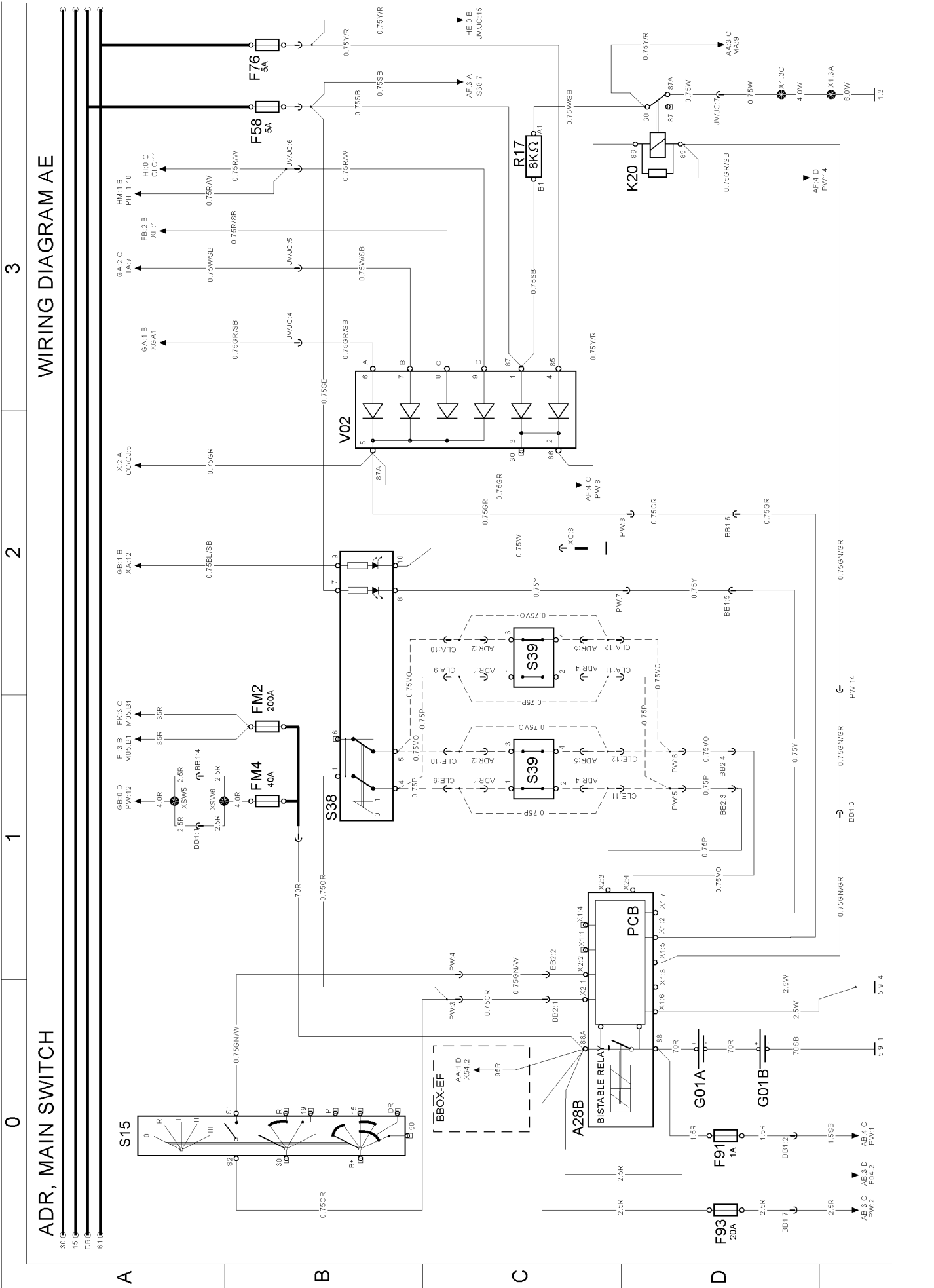
HY RHD	Climat unit, CU,-HEAT,-ACMAN,-ACAUT.....	“ ”, page 84
HZ	Air cooler, Brazil.....	“ ”, page 85
IA	El. heated/adj. seat.....	“ ”, page 86
IE	El. heat/adj. mirrors, El. window winders.....	“ ”, page 87
IF	Foldable mirror bracket.....	“ ”, page 88
IH	Interior light, H1.....	“ ”, page 89
IH3	Interior light, INLI-NL/INLI-BAS	“ ”, page 90
IH4	Interior light, H2/H3.....	“ ”, page 91
IK	Alcolock, start prevention system.....	“ ”, page 92
IM	Central locking, immobiliser.....	“ ”, page 93
IQ	El. sunroof, cig. lighter, refrigerator.....	“ ”, page 94
IR	12V power supply	“ ”, page 95
IR2	Power outlets.....	“ ”, page 96
IS	SRS. Air-bag.....	“ ”, page 97
IU	Audio.....	“ ”, page 98
IU RHD	Audio.....	“ ”, page 99
IV	Amplifier.....	“ ”, page 100
IX	Integrated telephone.....	“ ”, page 101
IZ	Backup camera.....	“ ”, page 102
KA	Cab tilt.....	“ ”, page 103
KE	Load light, 5:th wheel lamp.....	“ ”, page 104
KI	Light sign.....	“ ”, page 105
KM	Beacon warning light	“ ”, page 106
ME	Extra fuse block, key switch relay.....	“ ”, page 107
MF	Extra fuse block, SPDU-S	“ ”, page 108
NA	Body builder (BB), auxsw-6 and swapbody.....	“ ”, page 109
NA_2	Body builder (BB), auxsw-6, working lamps.....	“ ”, page 110
NB	Body builder (BB), tailprep and swapbody	“ ”, page 111
NC	Body builder (BB), ELCE-CK, BBM, PTO2	“ ”, page 112
NI	Extra spotlamps front/roof, max 4x70W	“ ”, page 113
NK	Burglar alarm	“ ”, page 114
NU	Body builder (BB), SPEED-DU.....	“ ”, page 115
NX	Body builder (BB), SPDU-S.....	“ ”, page 116
OA	Tyre pressure monitoring (TPM).....	“ ”, page 117
XA	Bus J1708/J1587.....	“ ”, page 118
XB	Bus J1939.....	“ ”, page 119
XC	Bus J1939-7, OBD.....	“ ”, page 120
YA	Ground connector	“ ”, page 121
ZA RHD	Ground/Misc.	“ ”, page 122

Component wiring diagrams



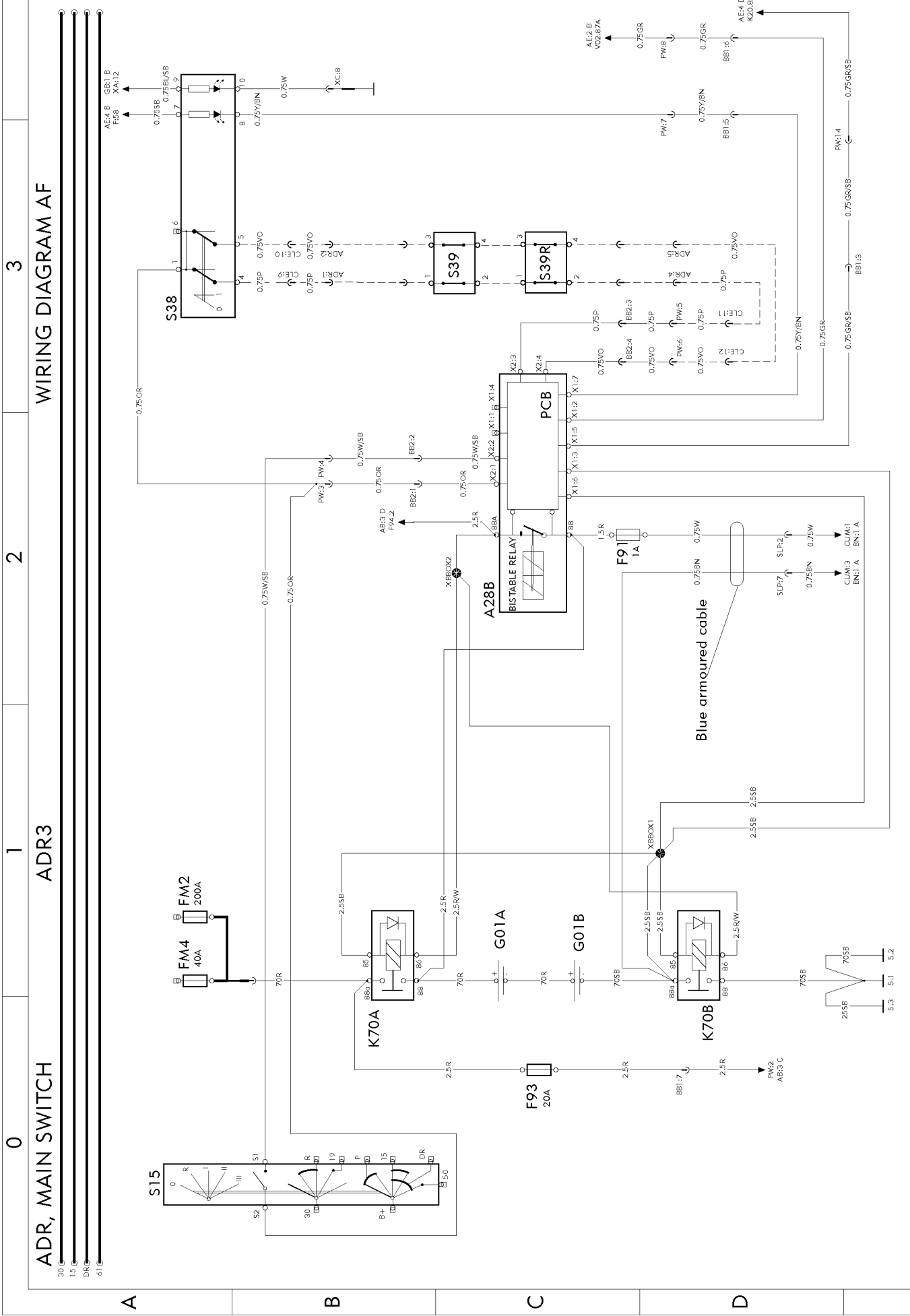






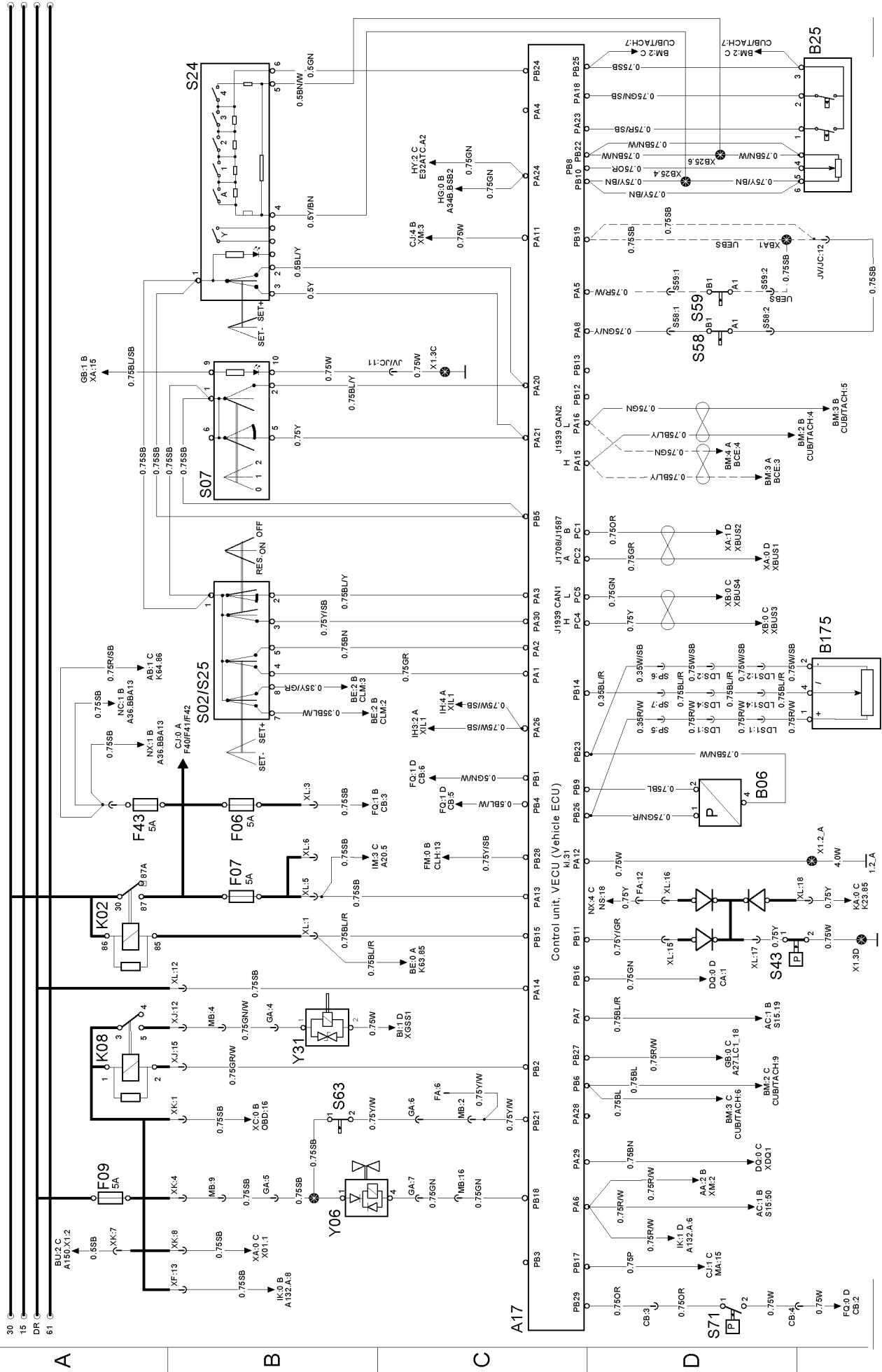
ADR₁ MAIN SWITCH

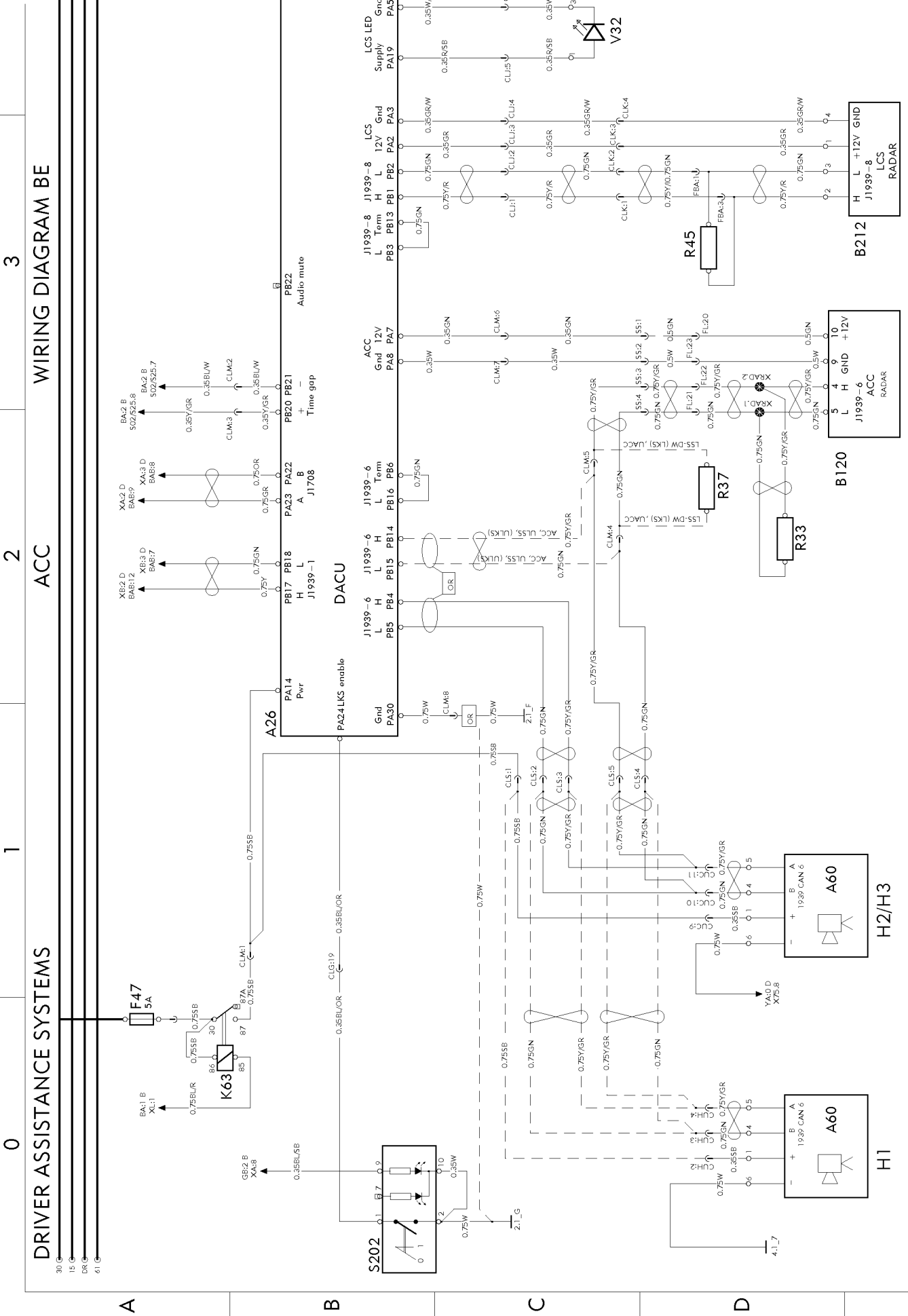
WIRING DIAGRAM AE



WIRING DIAGRAM BA

VEHICLE ECU





DRIVER ASSISTANCE SYSTEMS

ACC

WIRING DIAGRAM BE

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1

2

3

