

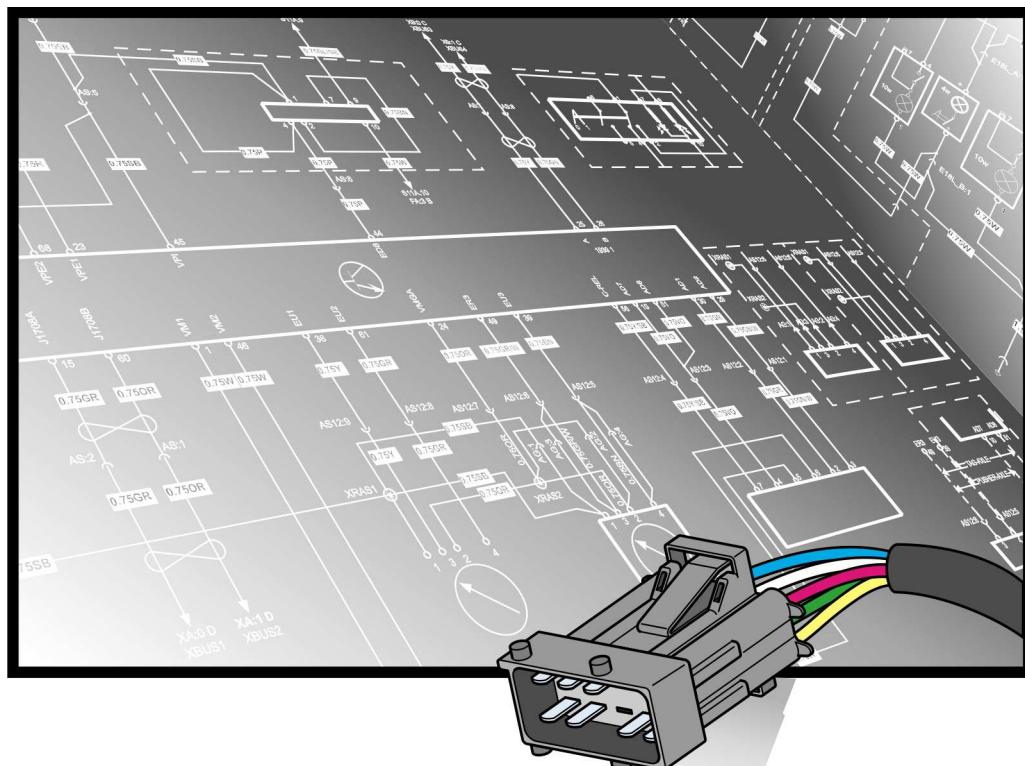
SERVICE INFORMATION

Volvo Truck Corporation



Wiring diagram FH (4)

CHID A740874–
CHID B645496–
CHID D200003–
CHID W112925–



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to December 2012.

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.

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Göteborg, Sweden

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

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Component wiring diagram index

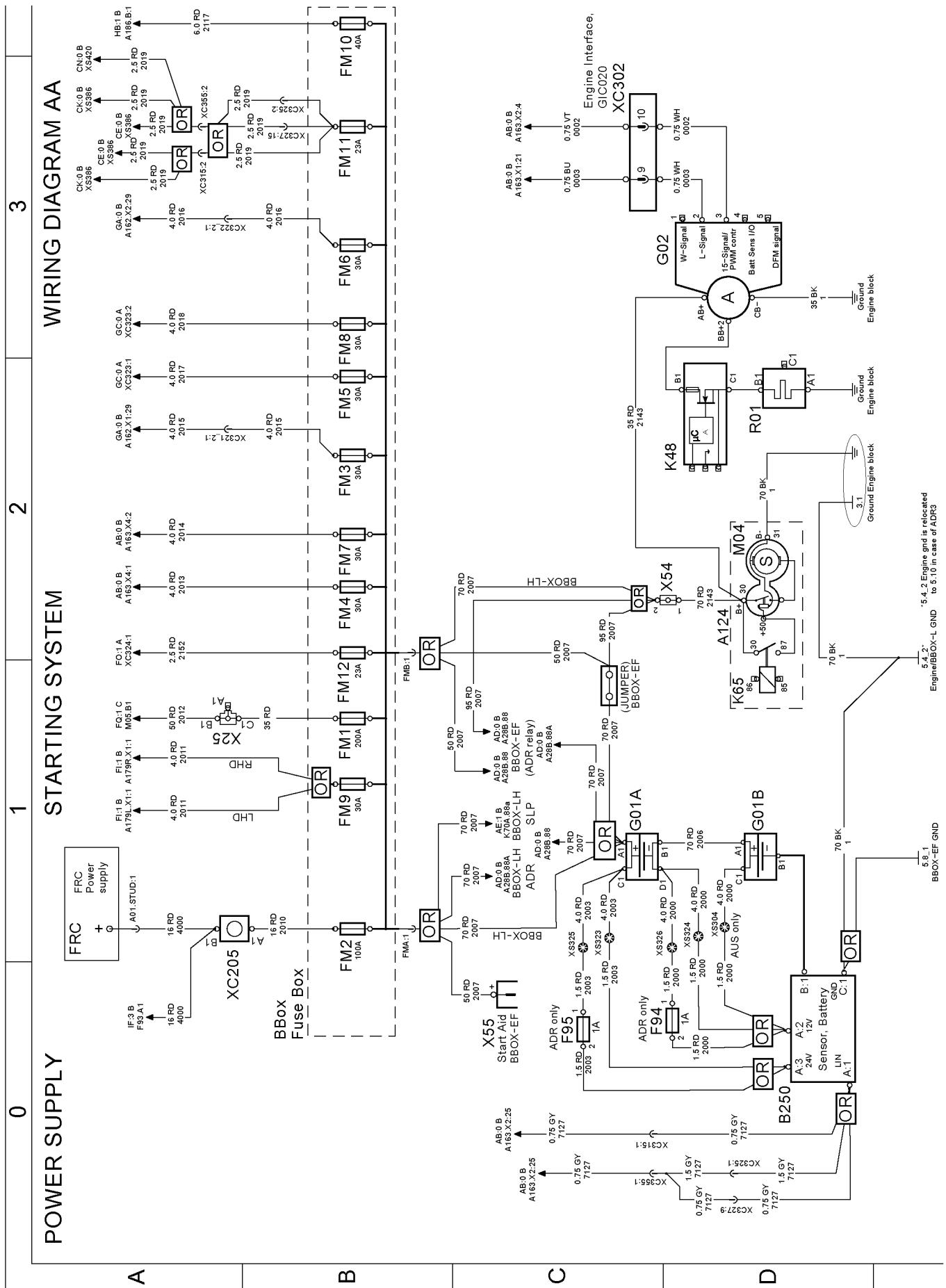
AA	Power supply, starting system	" ", page 5
AB	Power distribution, CCIOM	" ", page 6
AC	Main switch, UADR	" ", page 7
AD	Main switch, ADR1/ADR2	" ", page 8
AE	Main switch, ADR3	" ", page 9
AF	Key switch	" ", page 10
BA	Instrument	" ", page 11
BC	Tachograph	" ", page 12
BE	VMCU, Vehicle Master Control Unit	" ", page 13
BG	CIOM, Cab IO Module	" ", page 14
BU	TIS Telematics service	" ", page 15
BX	TIS Toll collect, FMS connector	" ", page 16
CA	Engine interface	" ", page 17
CA1	Engine interface, networks	" ", page 18
CB	Engine D13, EM-EC01	" ", page 19
	Engine D13, EM-EC06/EM-EU5, page 1	" ", page 20
	Engine D13, EM-EC06/EM-EU5, page 2	" ", page 21
	Engine D13, EML4 EM-EU6, page 1	" ", page 22
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	Engine D13,, EM-JPN10, page 1	" ", page 26
	Engine D13,, EM-JPN10, page 2	" ", page 27
	Engine D16, page 1	" ", page 28
	Engine D16, page 2	" ", page 29
CE	After treatment system, EM-EU5	" ", page 30
CE1	After treatment system, EM-EU5 EM-JPN10	" ", page 31
CF	After treatment system, Adblue tank control, EM-EU5	" ", page 32
CF AUS	After treatment system, Adblue tank control, AUSTRALIA	" ", page 33
CK	After treatment system, EML4 EM-EU6	" ", page 34
CK1	After treatment system, EML4 EM-EU6	" ", page 35
CL	After treatment system, Adblue tank control, EML4 EM-EU6	" ", page 36
CN	After treatment system, japan, EM-JPN10	" ", page 37
CO	After treatment system, Adblue tank control, EM-JPN10	" ", page 38
DA	Transmission, manual (interface)	" ", page 39
DA1	Transmission, manual (gearbox and retarder)	" ", page 40
DC	Transmission , I-SHIFT (interface)	" ", page 41
DC1	Transmission, I-SHIFT (gearbox and retarder)	" ", page 42

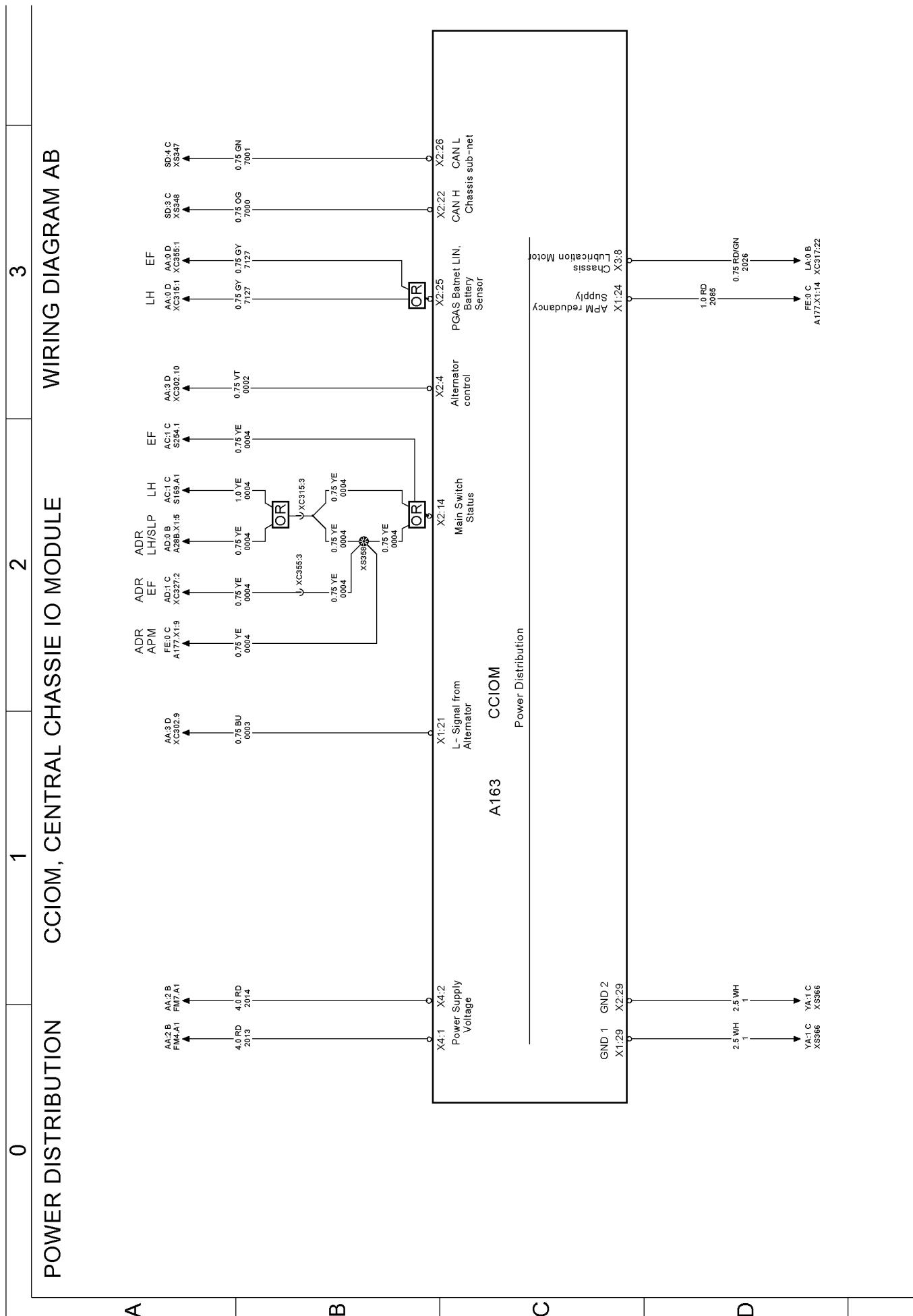
DG	Differential lock and fuel level sensor	“, page 43
DK	Retarder (interface).....	“, page 44
DM	Retarder (interface) EML4 EM-EU6	“, page 45
EA	ABS.....	“, page 46
EE	EBS, control unit.....	“, page 47
EF	EBS, front axle modulator.....	“, page 48
EG	EBS, rear axle modulator	“, page 49
EH	EBS, 6x2 and tridem.....	“, page 50
EI	EBS, trailer modulator.....	“, page 51
FA	Air-suspension, front.....	“, page 52
FB	Air-suspension, rear, level sensor, WRG.....	“, page 53
FC	Air-suspension, rear, 6x2, 6x4 and tridem, valves.....	“, page 54
FD	Air-suspension, rear, 4x2.....	“, page 55
FE	Air management, APM, Air Production Modulator with EPB.....	“, page 56
FH	Front axle steering, hydraulic	“, page 57
FI	Front axle steering, electronic, FAS	“, page 58
FL	Rear axle steering, electronic, RAS	“, page 59
FM	Rear axle steering, self steering, RAS.....	“, page 60
FO	EAS, extra axle steering	“, page 61
FQ	Bogie lift, A-ride with load sensor	“, page 62
GA	Exterior light, front, left, road.....	“, page 63
GB	Exterior light, front, right, bending light road.....	“, page 64
GC	Exterior light, rear	“, page 65
GE	Exterior light, side and load light.....	“, page 66
GF	Exterior light, roof, identification light.....	“, page 67
GK	Trailer connection, RIGID	“, page 68
GL	Trailer connection, TRACTOR.....	“, page 69
GM	Trailer connections, RIGID TREL-14.....	“, page 70
GN	Trailer light converter, AUSTRALIA	“, page 71
GP	Wiper, washer	“, page 72
HA	Climate unit.....	“, page 73
HB	Integrated parking cooler, IPC	“, page 74
HC	Parking heater, water.....	“, page 75
HD	Parking heater, air.....	“, page 76
HE	Amb. temp, short stop heater, AC clutch	“, page 77
HF	Fuel hose heater.....	“, page 78
IA	Interior light	“, page 79
IB	Interior light	“, page 80
IC	Interior light, instep light.....	“, page 81

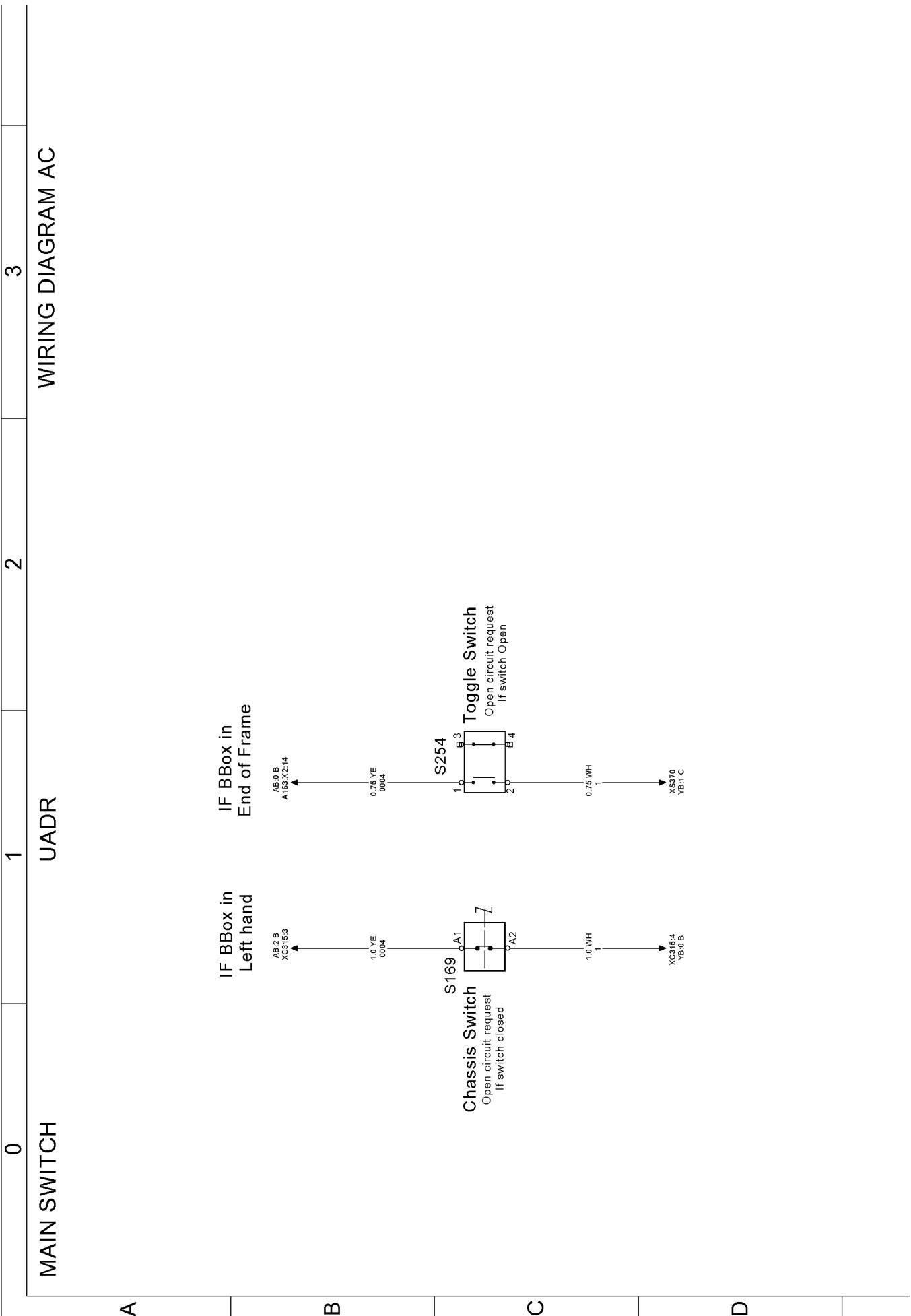
IF	Comfort accessories.....	" ", page 82
IG	12V power supply 20A/20A/11A.....	" ", page 83
IK	Audio.....	" ", page 84
IL	Amplifier.....	" ", page 85
IN	DVD, bunk display	" ", page 86
IO	Video switch, camera, SID display	" ", page 87
IP	Horn	" ", page 88
IQ	Japan mirror folding	" ", page 89
IR	Door, left.....	" ", page 90
IS	Door, right	" ", page 91
IT	Seats.....	" ", page 92
IU	Sun roof, sun visor.....	" ", page 93
KA	Cab tilt.....	" ", page 94
LA	Lubrication system.....	" ", page 95
NA	Body builder, BBM	" ", page 96
NB	Body builder, VMCU	" ", page 97
NC	Body builder, CCIOM, PTO	" ", page 98
ND	Body builder electrical center	" ", page 99
ND1	Body builder electrical center AUXSW4	" ", page 100
ND2	Body builder, Tipper prep kit	" ", page 101
NE	Body builder electrical center, extra lighting	" ", page 102
NF	Body builder extra lighting	" ", page 103
NK	Body builder plough lamps	" ", page 104
PA	DACU, Driver Assistance Control Unit	" ", page 105
PB	Lane position	" ", page 106
PE	SRS, Supplementary Restrain System, airbag	" ", page 107
PH	Alcolock, start prevention system.....	" ", page 108
RA	Alarm.....	" ", page 109
SA	Backbone 1.....	" ", page 110
SB	Backbone 2.....	" ", page 111
SC	Cab subnet	" ", page 112
SD	Chassis subnet.....	" ", page 113
SE	Infotainment subnet.....	" ", page 114
SF	Security subnet.....	" ", page 115
SK	Switch module topology, CIOM	" ", page 116
SL	Switch module topology, HMIIOM	" ", page 117
XA	OBD interface	" ", page 118
YA	Ground, chassis, ECU	" ", page 119
YB	Ground, chassis, front/rear load	" ", page 120

YD	Ground, chassis, lower front.....	“, page 121
YF	Ground, cab, FRC, BBEC.....	“, page 122
YG	Ground, cab, instrument panel	“, page 123
YH	Ground, cab, instrument panel	“, page 124
YK	Ground, cab, front shelf	“, page 125
YK_RHD	Ground, cab, front shelf, headliner	“, page 126
YM	Ground, cab, lower bunk/floor	“, page 127
YN	Ground, cab, firewall, cockpit carrier plate	“, page 128

Component wiring diagrams

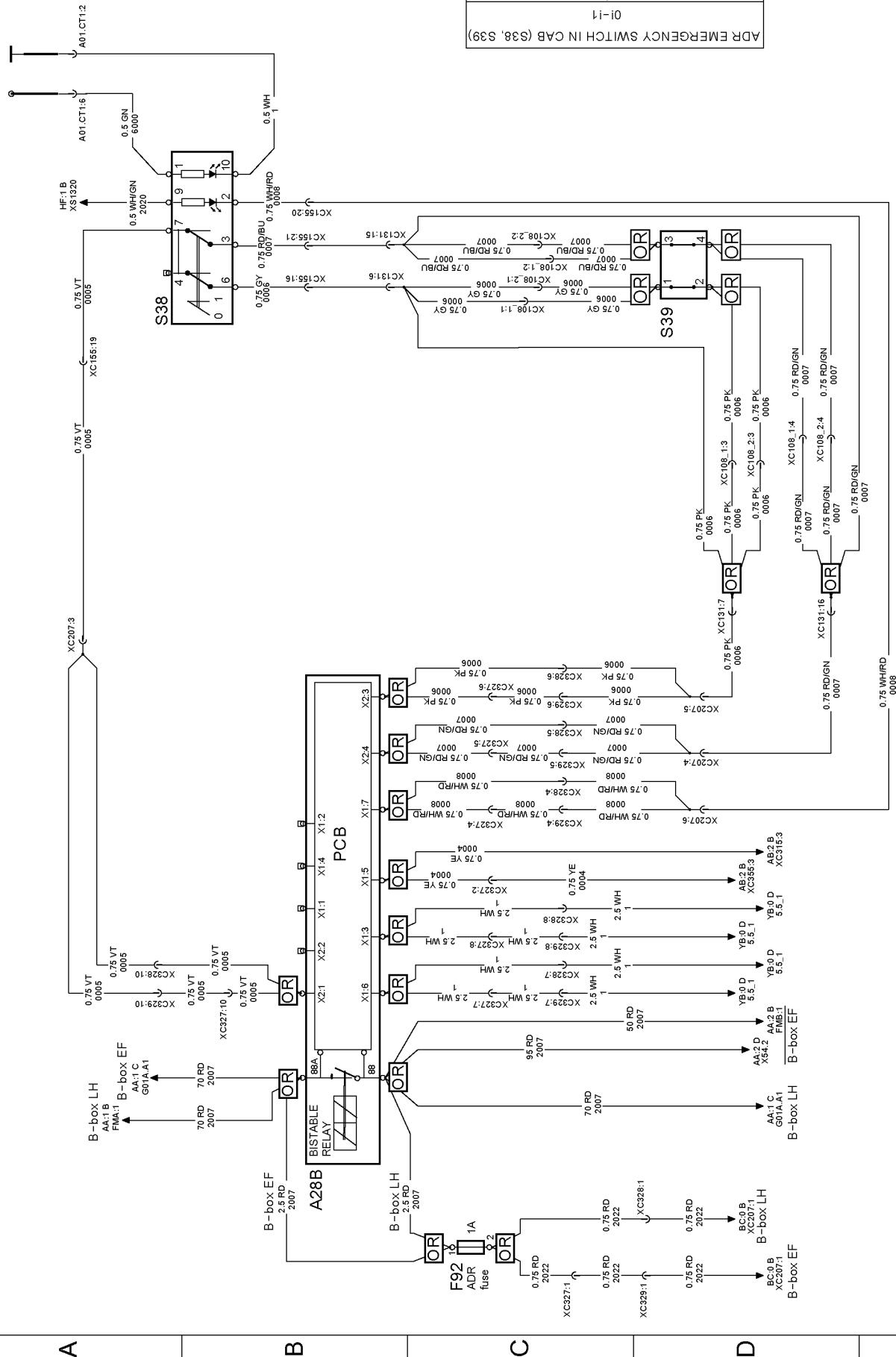




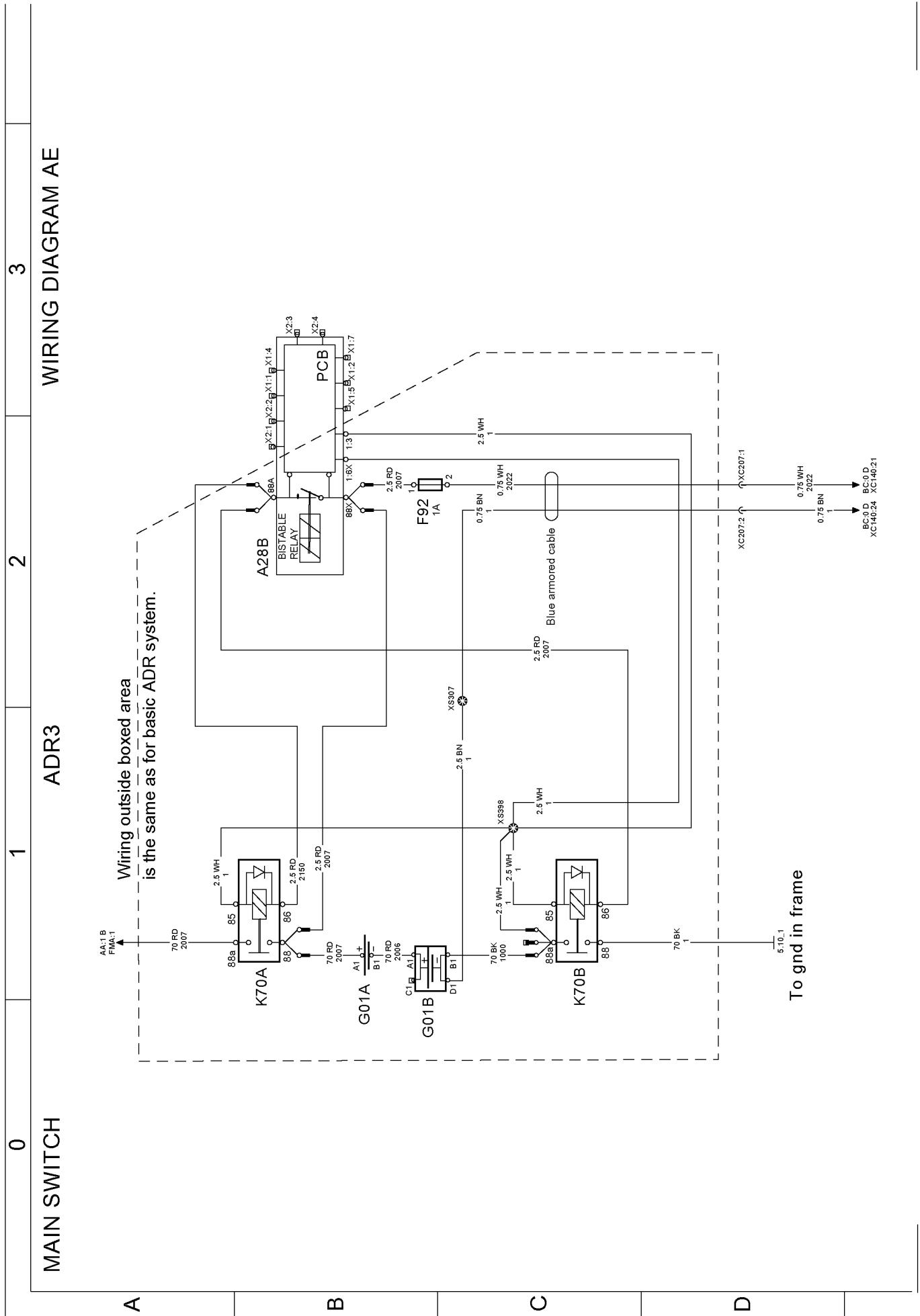


MAIN SWITCH

0 1 2 3



ADR EMERGENCY SWITCH IN CAB (S38, S39)	0	Switch PositionAction
	1	Neutral
	1	Main switch Open the ADR



KEY SWITCH

0

2

3

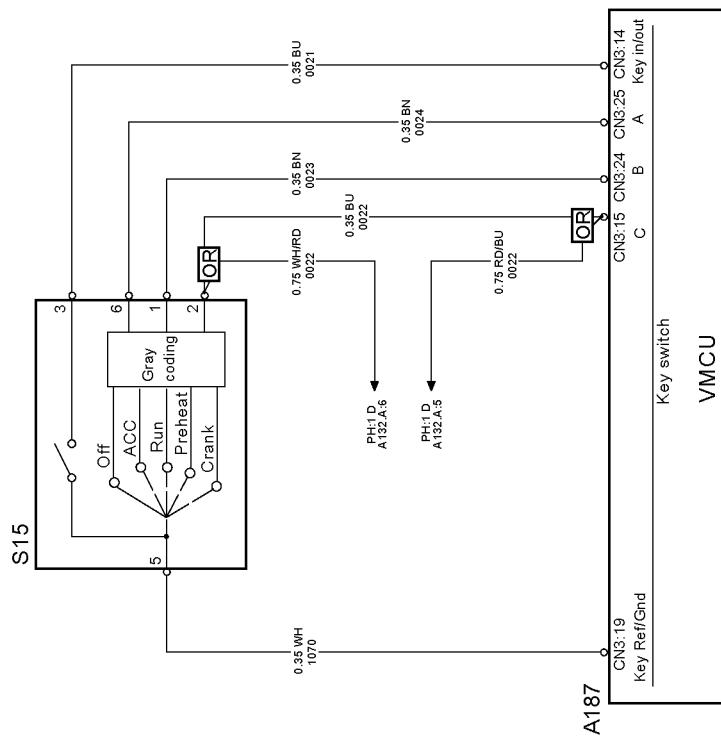
WIRING DIAGRAM AF

A

B

C

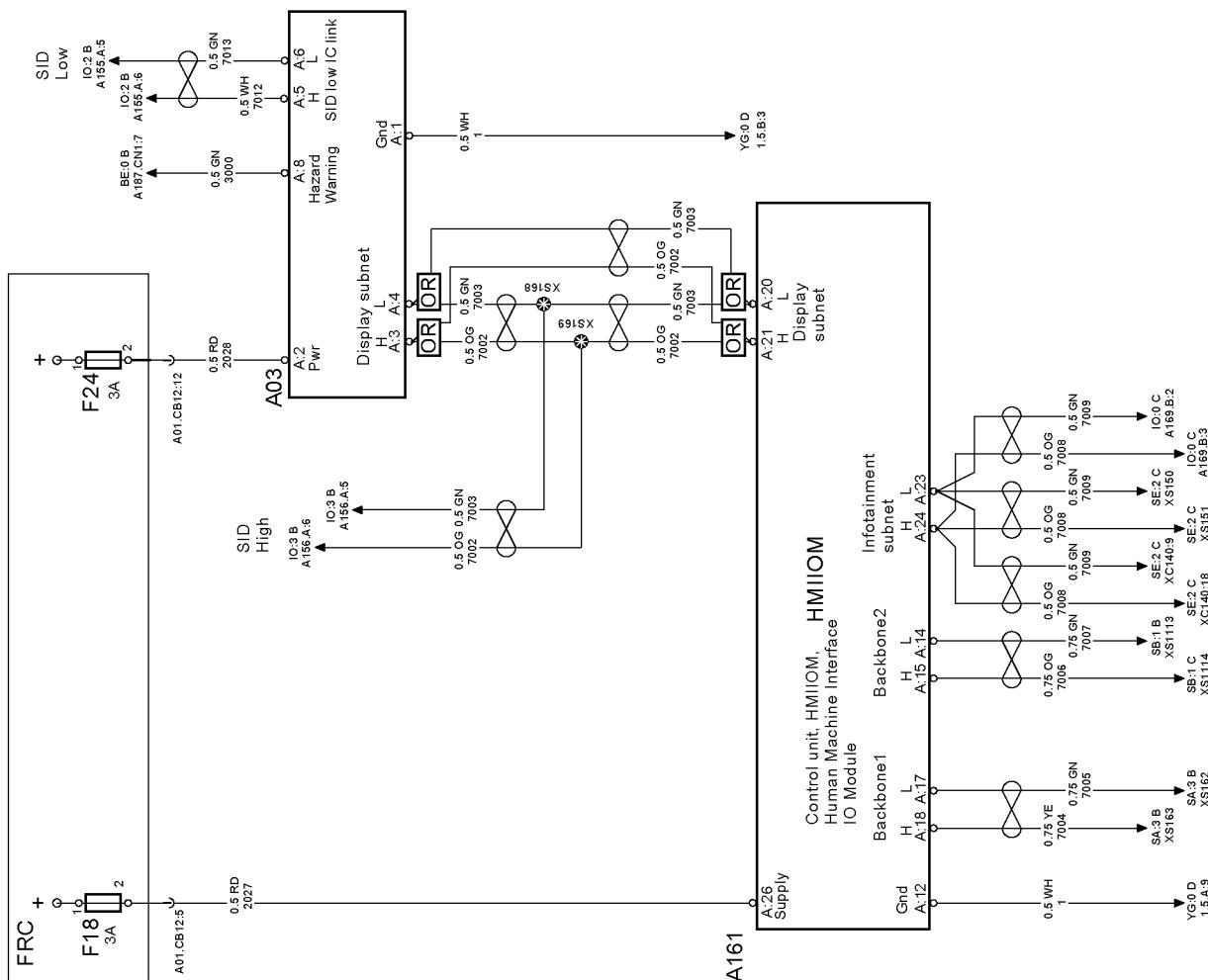
D



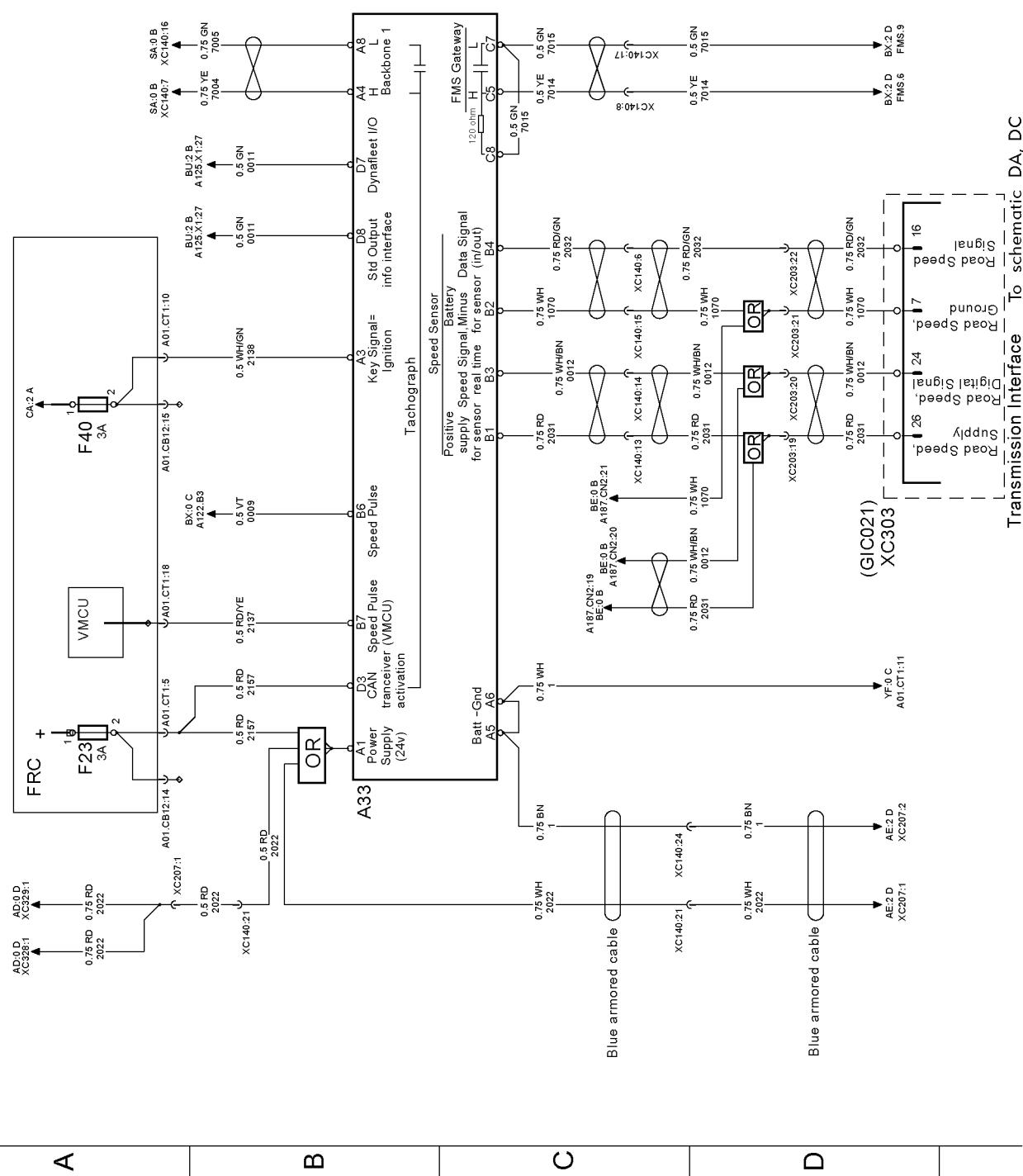
INSTRUMENT

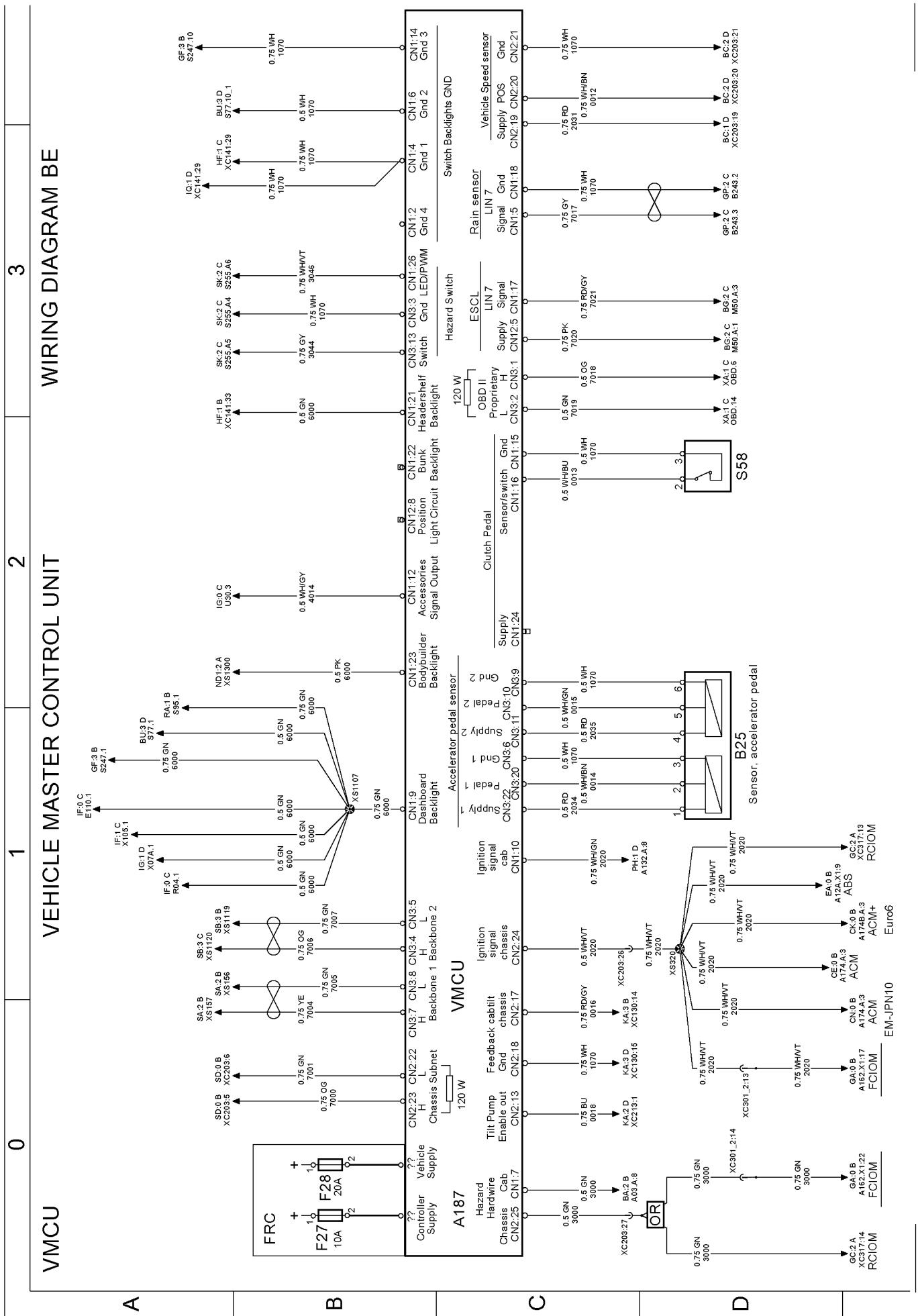
3

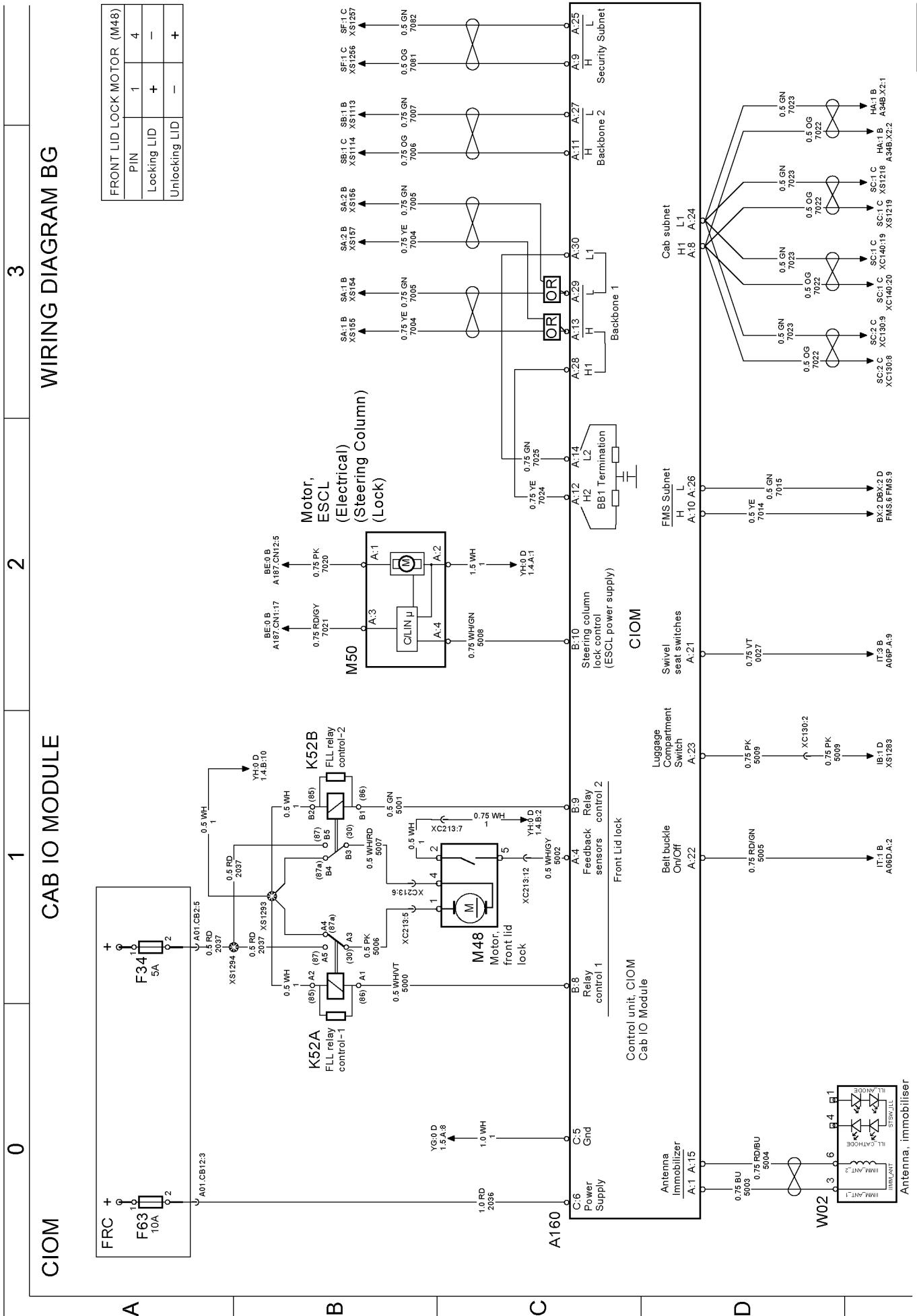
WIRING DIAGRAM BA

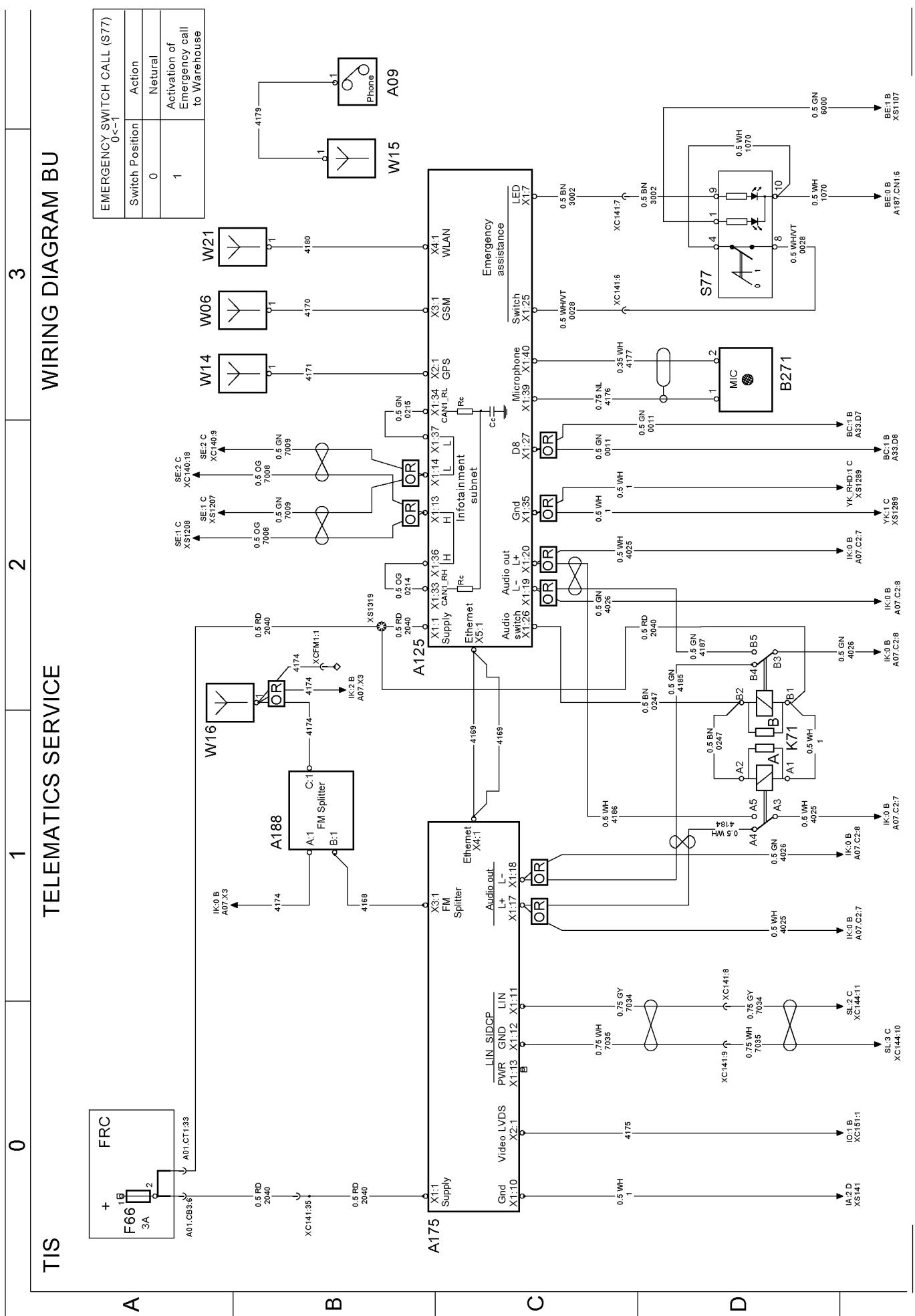


TACHOGRAPH





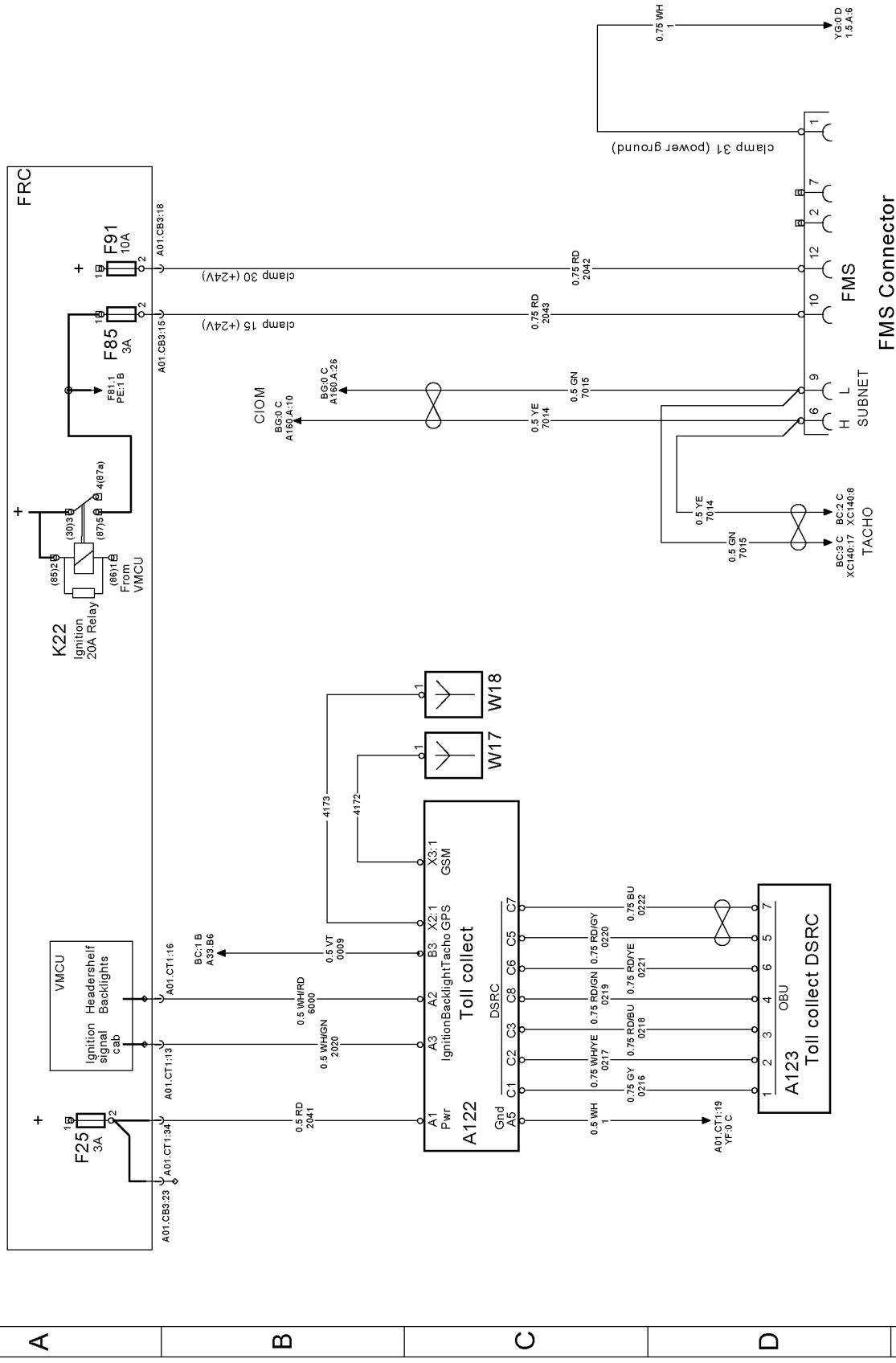




TIS
0 1 2 3
TOLL COLLECT, FMS CONNECTOR

3

WIRING DIAGRAM BX



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