

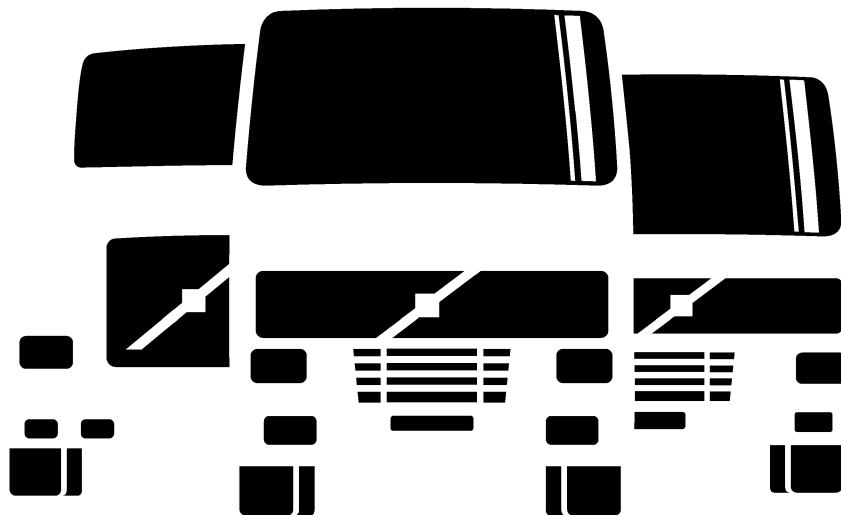
Service Manual Trucks

Group **37**

Release **02**

Wiring diagram

FE



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to May 07.

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

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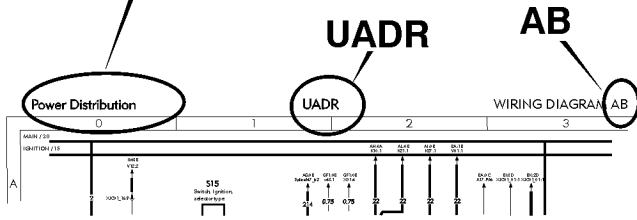
ENG23698.ihval

Contents

Example of wiring diagram	2
Component wiring diagram index	6
Component wiring diagrams	8
Illustrations index	81
Illustrations	82
Fuses	121
Relays	124
Wiring harness illustration index	127
Ground connections	130
List of ground connections	131
List of connectors	132
List of wiring numbers	180
List of components	182
Abbreviations	186
Feedback	

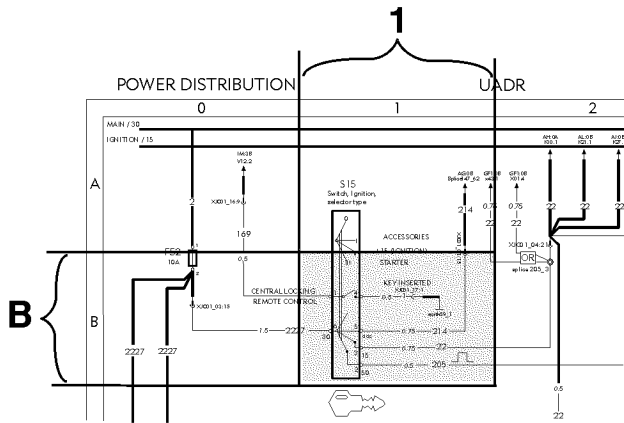
Example of wiring diagram

Power Distribution



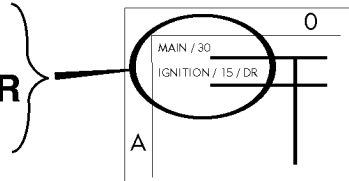
Component wiring diagram title, variant/subtitle and symbol.

Coordinates (B 1).

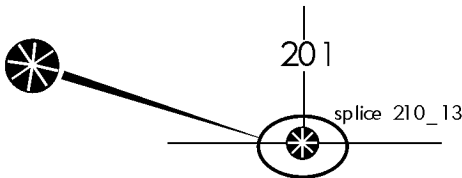


MAIN /30

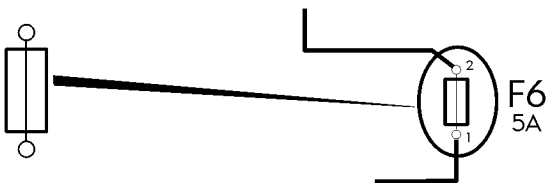
IGNITION /15/DR



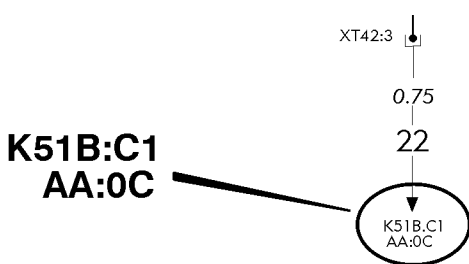
30 Voltage battery, kl.30.
15 Voltage with starter key in drive position and start position, kl.15/kl.DR.



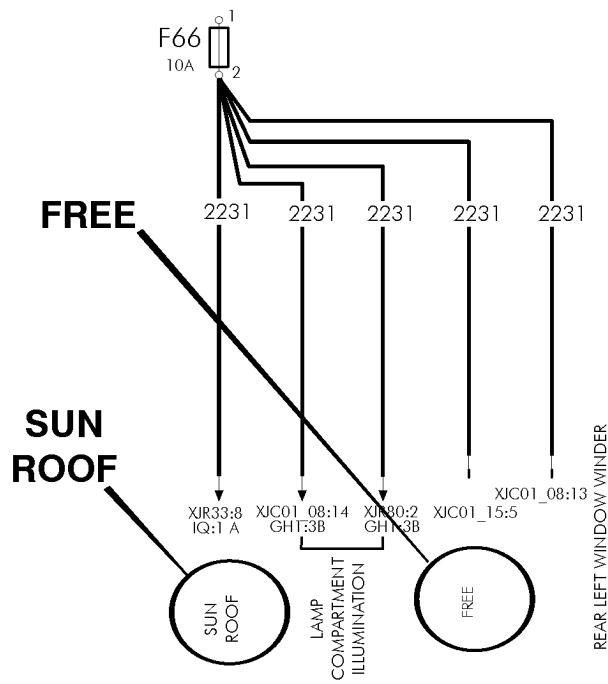
Splice.



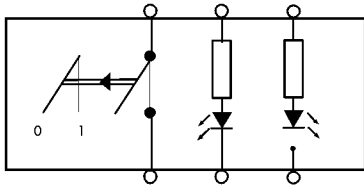
Fuse.



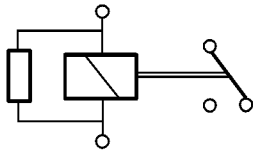
Reference arrow, for diagram AA, coordinates 0 C, component K51B, connector C pin 1.



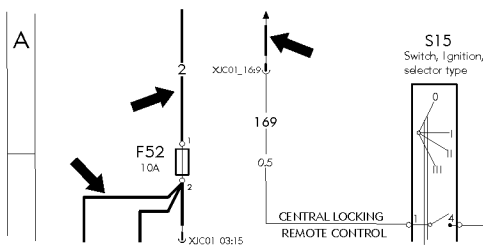
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.



Switch.



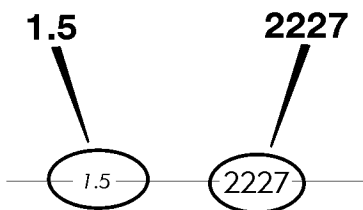
Relay.



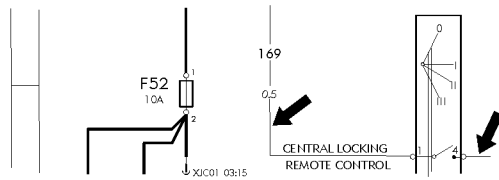
Conductor on circuit card.



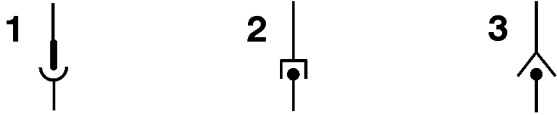
Connector EN terminal 1.



Wire area and wire number.

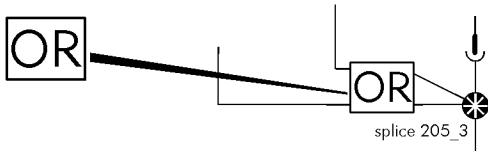


Thin lines, wires.

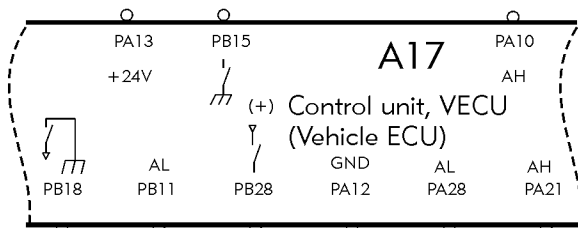


Connector.

- 1 EJB connectors.
- 2 Pass through connector chassis-cab.
- 3 Others.

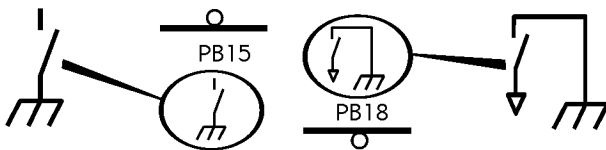


“OR” It is an exclusive OR (only one possibility) between the different solutions due to the configuration of the vehicle.



Electronic Control unit.

The inputs/outputs of ECUs are symbolized in the way described below:



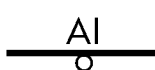
2 alternative of digital output low (set to the ground).



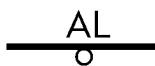
Digital output high (set to 24V, 5V...).



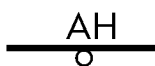
Ground of ECU.



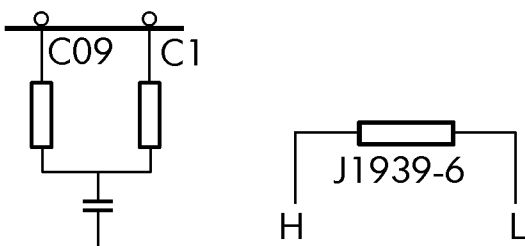
Analog input.



Active low.

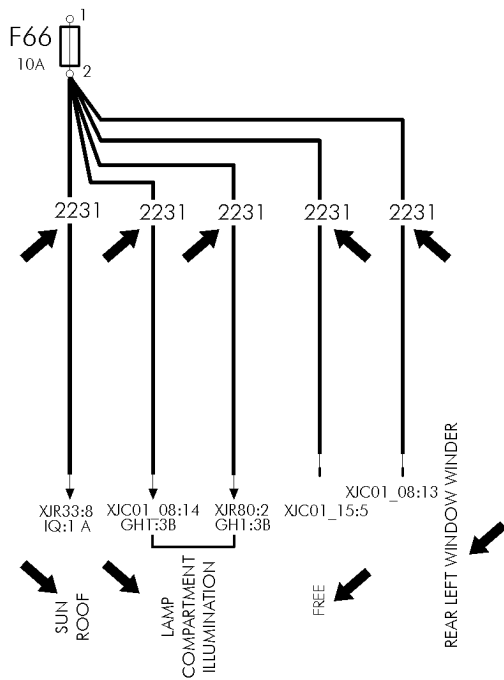


Active high.



Ending resistance of communication bus CAN (120 Ω)

Wire number



T3018844

Wire equipotential: Equipotential is a wire propriety which characterize a signal flowing a wire (same signal = same equipotential). Several wires could have the same equipotential.

The first digit of the number	Family
1	Ground and negative supply
2	Positive supply
3	Signal
4	Comfort accessories
5	Security accessories
6	Lighting
7	Instrumentation
8	Body builder
9	Free
0	Electronic/Data link

Starting switch

Switch logic diagram.

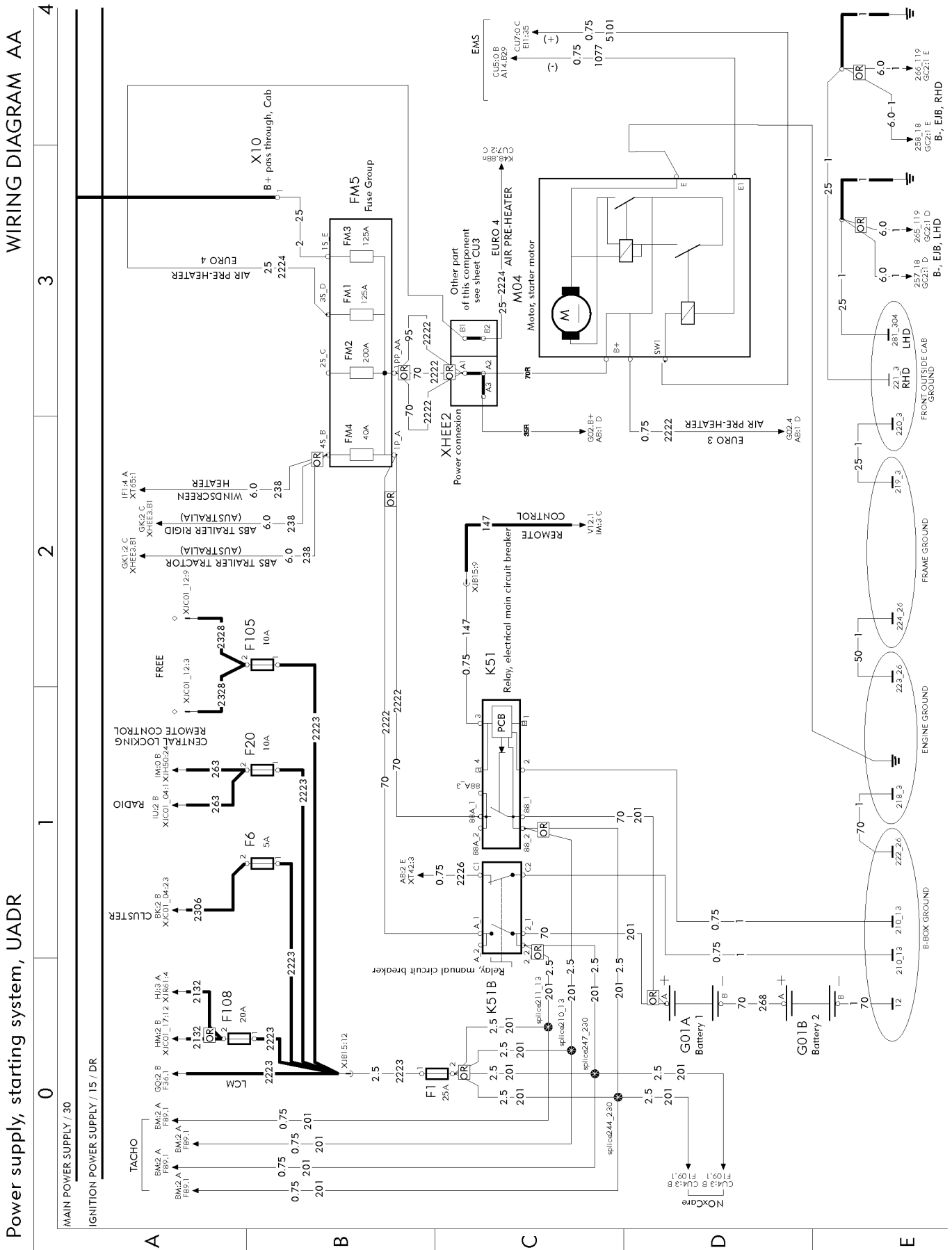
Terminal	Key in position									
	Key inserted	—	“0”	—	“1”	—	“II”	—	“III”	—
Key inserted	[Shaded]									
Off										
Accessories (pos. 5)					[Shaded]		[Shaded]			
+15/DR							[Shaded]	[Shaded]	[Shaded]	[Shaded]
50								[Shaded]	[Shaded]	[Shaded]

Component wiring diagram index

AA	Power supply, starting system, UADR	page 8
AB	Power distribution, UADR	page 9
AC	Power supply, starting system, ADR	page 10
AE	Power distribution, ADR	page 11
AG	Accessories power supply	page 12
AH	Power supply, kl.15, relay K10	page 13
AI	Power supply, kl.15, relay K21	page 14
AJ	Power supply, kl.15, relay K27	page 15
BA	Vehicle ECU	page 16
BA1	Vehicle ECU	page 17
BK	Instrument cluster	page 18
BM	Tachograph	page 19
BT	Fleet management system Gateway (FMS)	page 20
CU4	Engine ECU NOXCARE system	page 21
CU5	Engine ECU (B connector)	page 22
CU6	Engine ECU (A connector)	page 23
CU7	Engine air preheater, fuel heater	page 24
DC	Single H (ZTO1109)	page 25
DQ	Power take off	page 26
DQ1	Automatic transmission	page 27
DU	Differential lock	page 28
EM1	EBS ECU, connector X1/X2	page 29
EM2	EBS ECU, connector X3/X4	page 30
EN1	EBS front modulators	page 31
EN3	EBS rear modulators (drive axle)	page 32
EN4	EBS rear modulators (tag/pusher axle)	page 33
FA	Air-suspension, TRACTOR 4x2 FSS-LEAF	page 34
FA1	Air-suspension, 4x2 RIGID/4x2 TRACTOR FSS-AIR	page 35
FA2	Air-suspension, 6x2	page 36
FC	Air power management (battery box left)	page 37
FC1	Air power management (battery box right)	page 38
FO	Electronic steered axle	page 39
GA1	Parking lights, Relay K31/K37	page 40
GA2	Parking lights, Relay K34	page 41
GB1	Low beam/high beam headlights control	page 42
GB2	Fog lights control, extra high beam headlights control	page 43

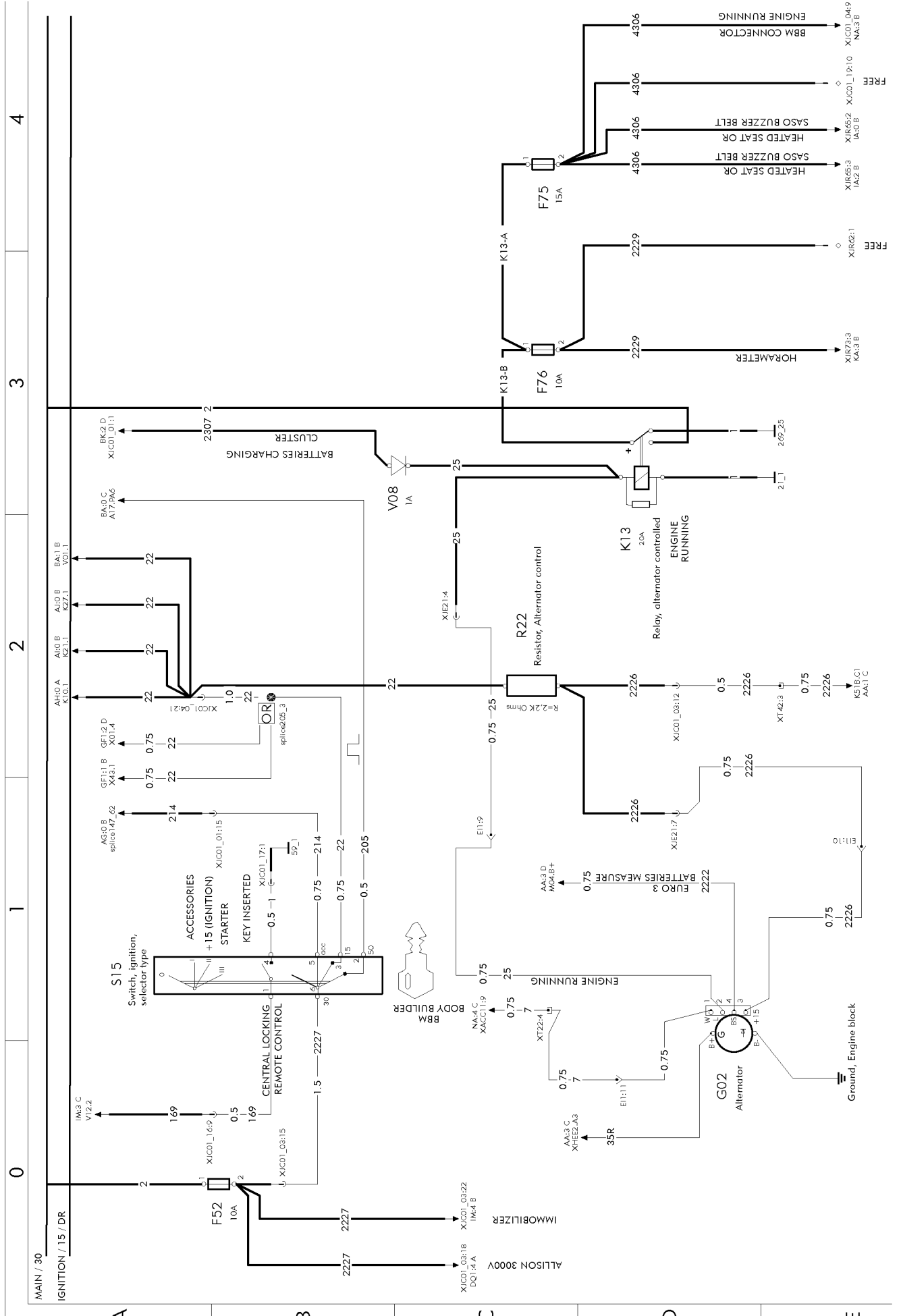
GC2	Side lights and beacon warning lights	page 44
GC3	Rear lamps	page 45
GC4	Frame side lights	page 46
GC5	Headlight lamps	page 47
GD	Reverse lights/brake lights	page 48
GF	Trailer connections	page 49
GF1	Diagnostics plug	page 50
GH1	Interior lighting L1H1/L2H1/L3H1 standard roof panel	page 51
GH3	Interior lighting L2H1 back area cab	page 52
GH5	Interior lighting L3H1 full height roof panel	page 53
GK	Trailer connections RIGID (Australia)	page 54
GK1	Trailer connections TRACTOR (Australia)	page 55
GM	Windscreen wiper washer	page 56
GQ	LCM/Flasher unit	page 57
GQ1	Horn	page 58
HJ	Air heater, UADR	page 59
HJ1	Air heater, ADR	page 60
HY	Climate unit	page 61
IA	Heated seat/buzzer belt/cigar lighter	page 62
IF1	Heated adjustable mirror LHD	page 63
IF2	Heated adjustable mirror RHD	page 64
IM	Central locking, immobiliser	page 65
IN	Theft alarm	page 66
IO	BBM	page 67
IQ	Sun roof/window lift	page 68
IR	12V power supply	page 69
IU	Radio	page 70
KA	Cab tilt and brake body builder output/horameter	page 71
NA	Body builder connector PB1	page 72
NB	Body builder connector PB2	page 73
NC	Body builder connector PB3	page 74
ND	Body builder connector PB4	page 75
NE	Body builder connector PB5	page 76
XA	Bus J1708/J1587	page 77
XB	Bus J1939-1	page 78
XC	Bus J1939-2	page 79
XD	Bus J1939-7	page 80

Component wiring diagrams



WIRING DIAGRAM AB

Power distribution, UADR



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