

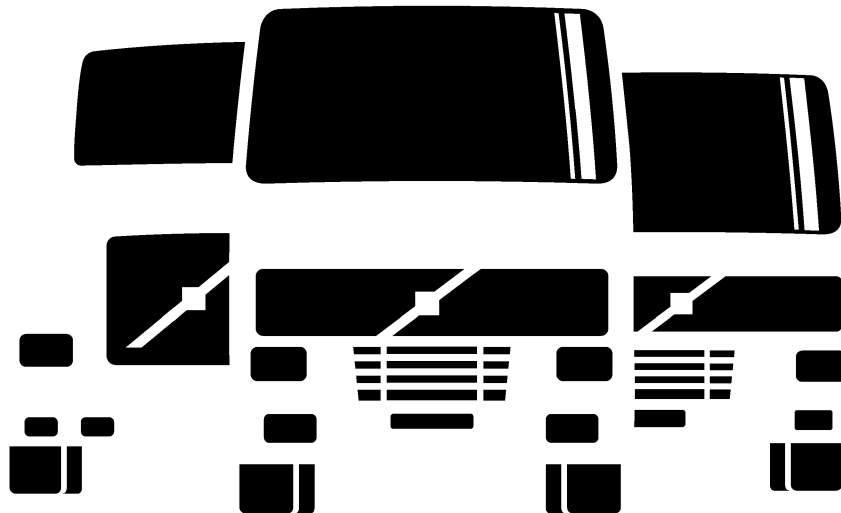
Service Manual Trucks

Group **37**

Release **01**

Wiring diagram

FL



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to September 06.

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

Order number: 20 020657

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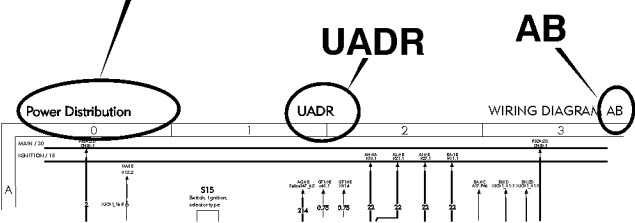
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Contents

Example of wiring diagram	2
Component wiring diagram index	6
Component wiring diagrams	8
Illustrations index	75
Illustrations	76
Fuses	117
Relays	120
Wiring harness illustration index	123
Ground connections	126
List of ground connections	128
List of connectors	129
List of components	133
Abbreviations	136
Feedback	

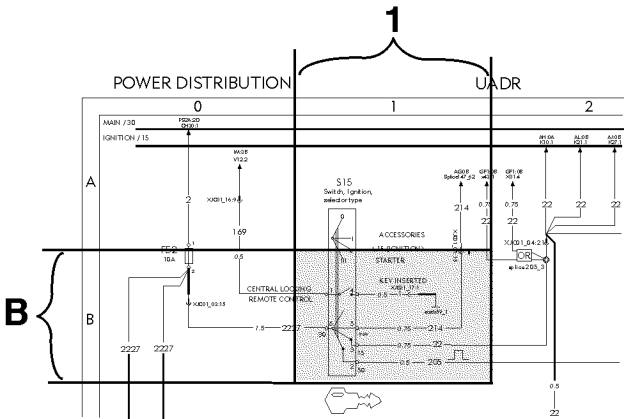
Example of wiring diagram

Power Distribution



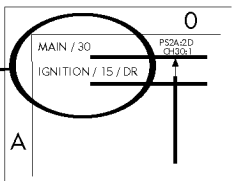
Component wiring diagram title, variant/subtitle and symbol.

Coordinates (B 1).



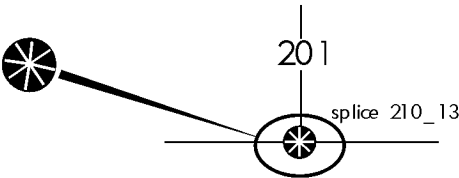
MAIN /30

IGNITION /15/DR

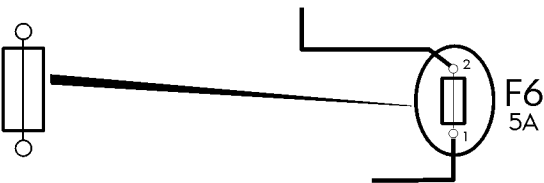


30 Voltage battery, kl.30.
15 Voltage with starter key in drive position and start position, kl.15/kl.DR.

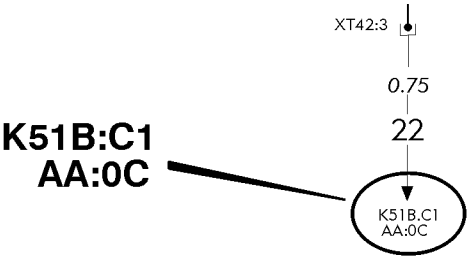
Splice.

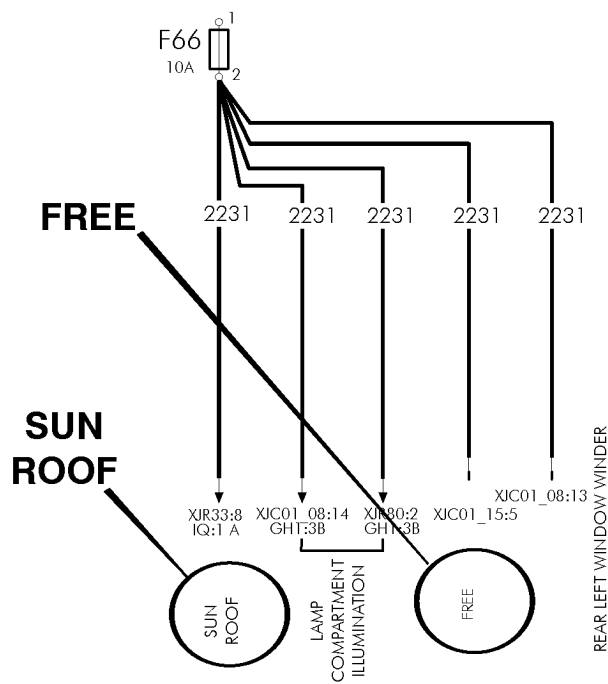


Fuse.

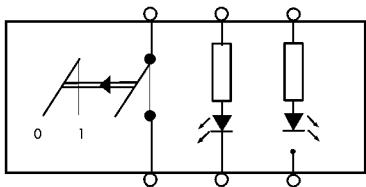


Reference arrow, for diagram AA, coordinates 0 C, component K51B, connector C pin 1.

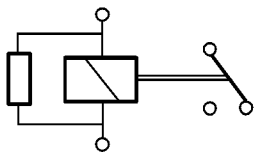




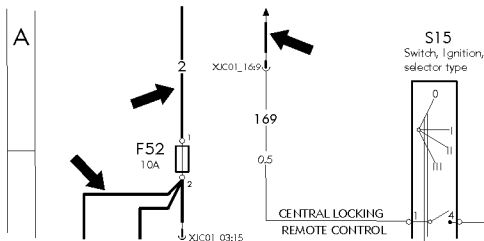
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.



Switch.



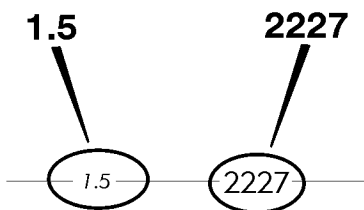
Relay.



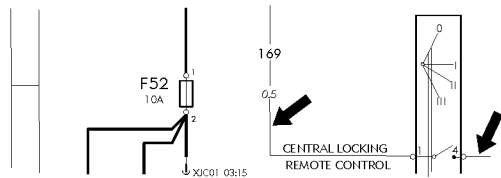
Conductor on circuit card.



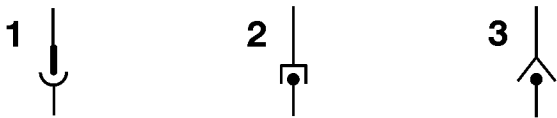
Connector EN terminal 1.



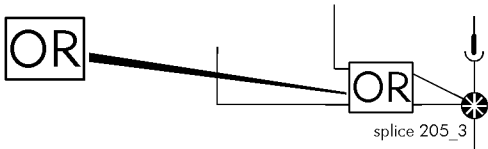
Wire area and wire number.



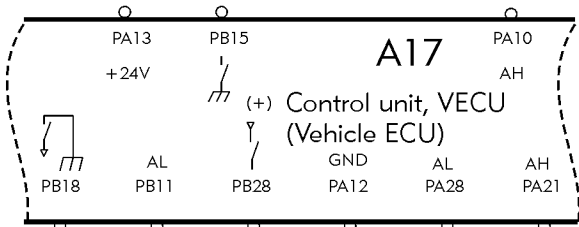
Thin lines, wires.



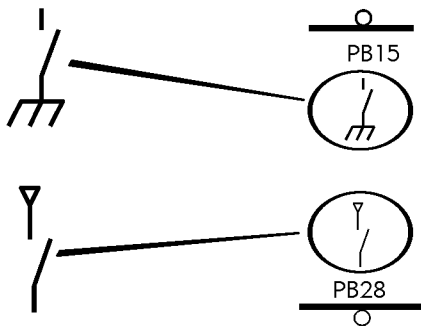
Connectors.
1 EJB connectors.
2 Pass through connector chassis-cab.
3 Others.



“OR”It is an exclusive OR (only one possibility) between the different solutions (1 or 2 or 3), due to the configuration of the vehicle.

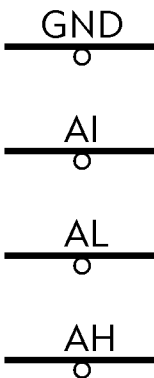


Electronic Control unit.
The inputs/outputs of ECUs are symbolized in the way described below:



Digital output low (set to the ground).

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

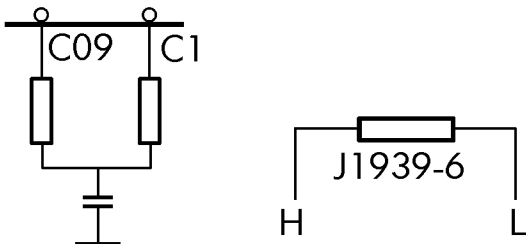


Ground of ECU.

Analog input.

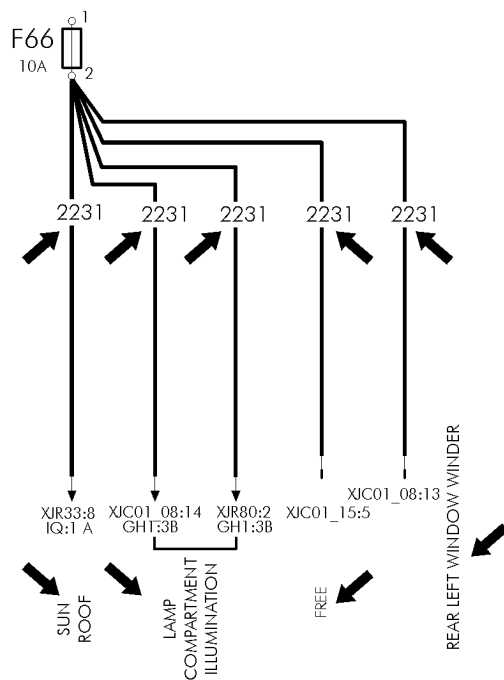
Active low.

Active high.



Ending resistance of communication bus CAN (120 Ω)

Wiring numbers



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.

T3018844

Example of wiring numbers.

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 (1)									
Off									
Accessories (5)									
+15/DR (3)									
50 (2)									

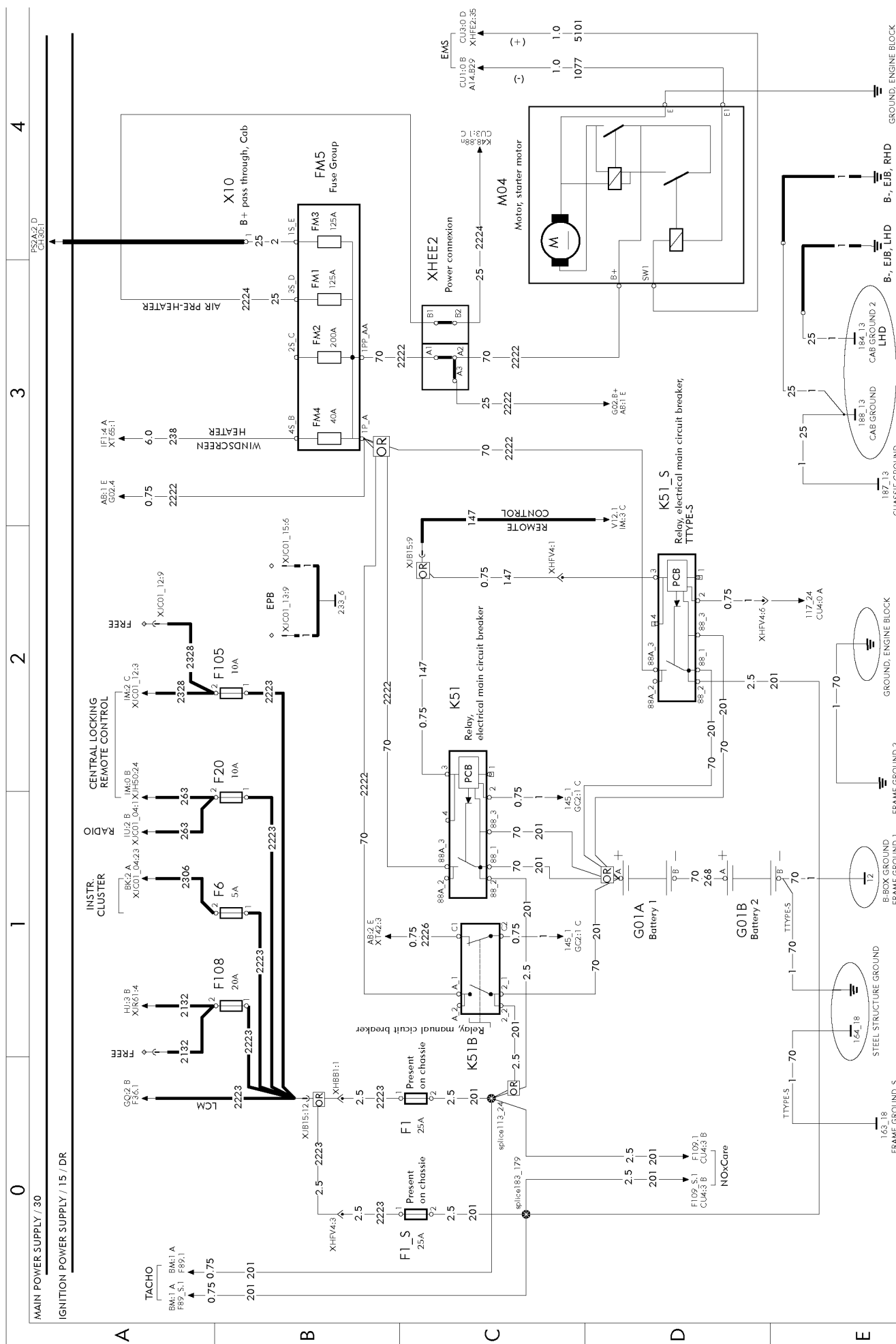
Component wiring diagram index

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
CU1	Engine ECU (B connector)	page 21
CU2	Engine ECU (A connector)	page 22
CU3	Engine air preheater, fuel heater	page 23
CU4	Engine ECU NOXCARE system	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 modulators	page 31
FA	Air-suspension, TRACTOR 4x2 FSS-LEAF SUSPL-E1/SUSPL-E3	page 32
FA1	Air-suspension, 4x2 GVW14000/GVW16000	page 33
FA2	Air-suspension, 4x2 GVW18000	page 34
FC	Air power management	page 35
GA1	Parking lights, Relay K31/K37	page 36
GA2	Parking lights, Relay K34	page 37
GB1	Low beam/high beam headlights control	page 38
GB2	Fog lights control, extra high beam headlights control	page 39
GC1	Headlight lamps	page 40
GC2	Side lights and beacon warning lights	page 41
GC3	Rear lamps	page 42
GD	Reverse lights/brake lights	page 43

GF	Trailer connections	page 44
GF1	Diagnostics connections	page 45
GH1	Interior lighting L1H1/L2H1	page 46
GH2	Interior lighting, back area cab L2H1	page 47
GH3	Interior lighting L4H1C	page 48
GM	Windscreen wiper washer	page 49
GQ	LCM/Flasher unit	page 50
GQ1	Horn	page 51
HJ	Air heater, UADR	page 52
HJ1	Air heater, ADR	page 53
HY	Climate unit	page 54
IA	Heated seat/buzzer belt/cigar lighter	page 55
IF1	Heated adjustable mirror LHD	page 56
IF2	Heated adjustable mirror RHD	page 57
IM	Central locking, immobiliser	page 58
IN	Theft alarm	page 59
IO	BBM	page 60
IQ	Sun roof/window lift	page 61
IQ1	Rear window lift	page 62
IR	12V power supply	page 63
IU	Radio	page 64
KA	Brake body builder output/horometer	page 65
NA	Body builder connector PB1	page 66
NB	Body builder connector PB2	page 67
NC	Body builder connector PB3	page 68
ND	Body builder connector PB4	page 69
NE	Body builder connector PB5	page 70
XA	Bus J1708/J1587	page 71
XB	Bus J1939-1	page 72
XC	Bus J1939-2	page 73
XD	Bus J1939-7	page 74

WIRING DIAGRAM AA

⁰⁰Power supply, starting system, UADR



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