

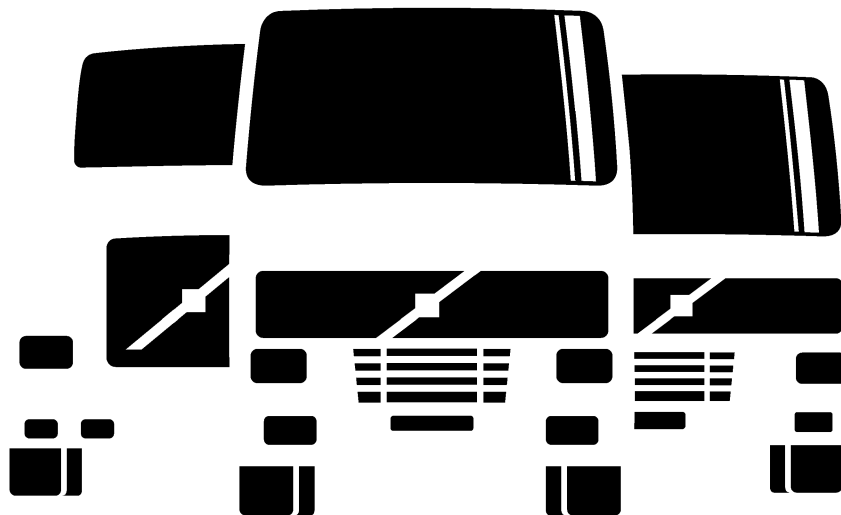
Service Manual Trucks

Group **37**

Release **04**

Wiring diagram

FE



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to June 09.

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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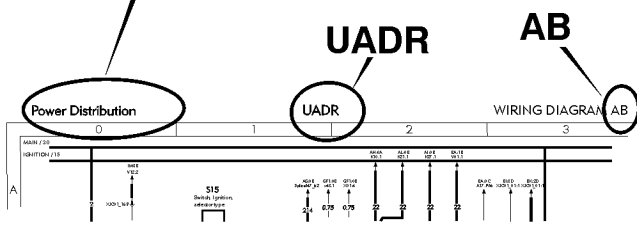
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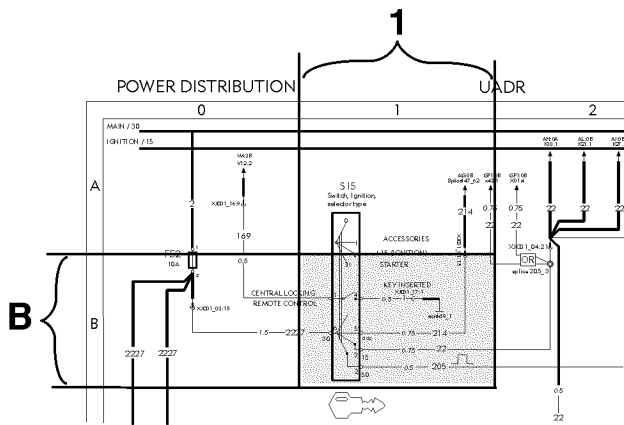
Example of wiring diagram

Power Distribution



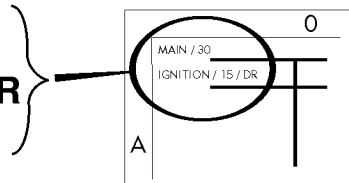
Component wiring diagram title, variant/subtitle and symbol.

Coordinates (B 1).

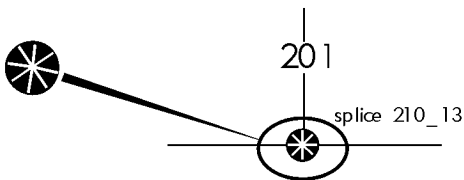


MAIN /30

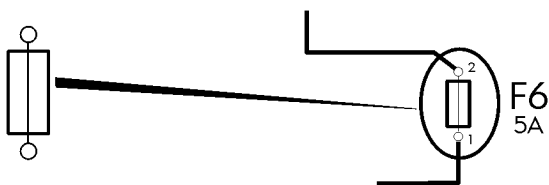
IGNITION /15/DR



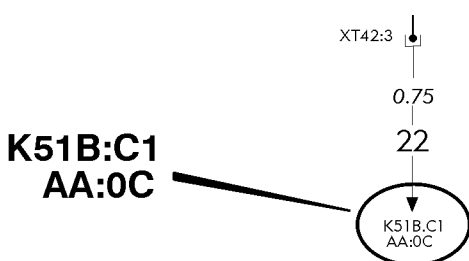
30 Voltage battery, kl.30.
15 Voltage with starter key in drive position and start position, kl.15/kl.DR.



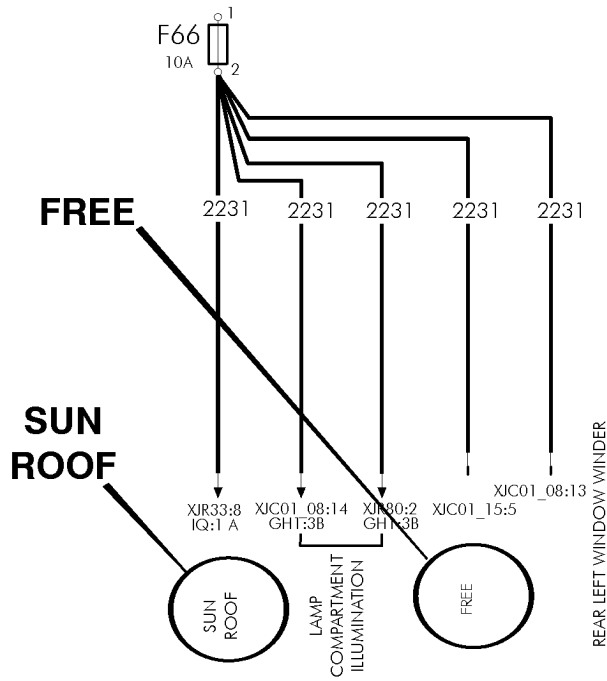
Splice.



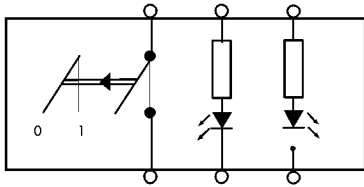
Fuse.



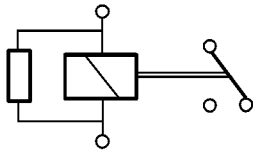
Reference arrow, for diagram AA, coordinates 0 C, component K51B, connector C pin 1.



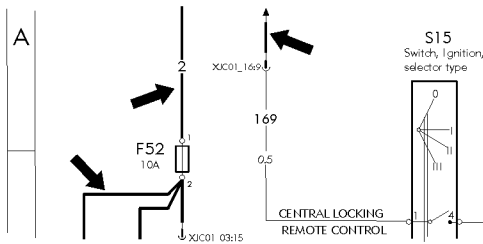
The maximum of variants are drawn, think about that all wires and components are not standard for all markets or vehicle models.



Switch.



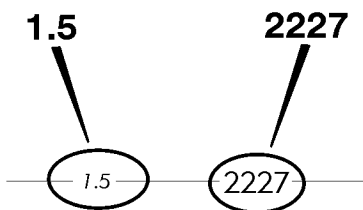
Relay.



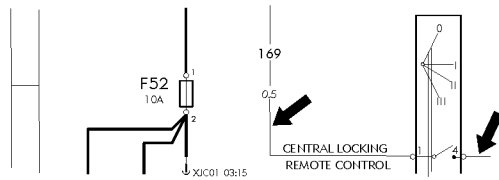
Conductor on circuit card.



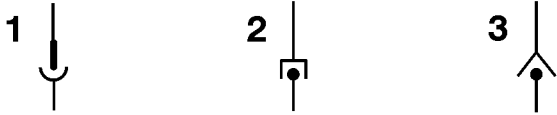
Connector EN terminal 1.



Wire area and wire number.

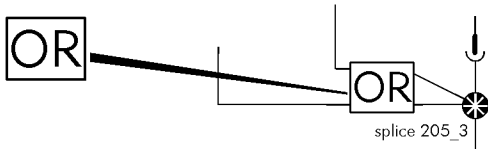


Thin lines, wires.

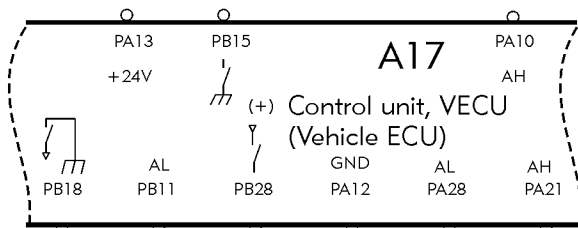


Connector.

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

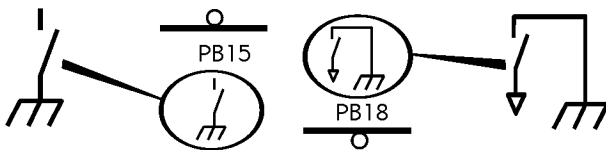


“OR” It is an exclusive OR (only one possibility) between the different solutions due to the configuration of the vehicle.

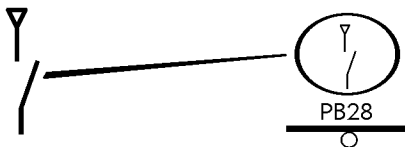


Electronic Control unit.

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



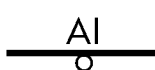
2 alternative of digital output low (set to the ground).



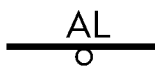
Digital output high (set to 24V, 5V...).



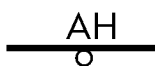
Ground of ECU.



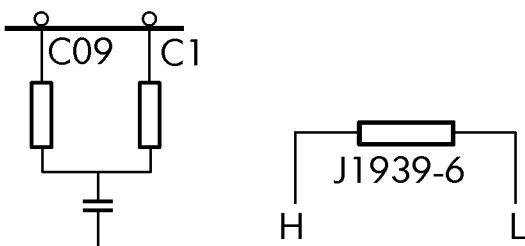
Analog input.



Active low.

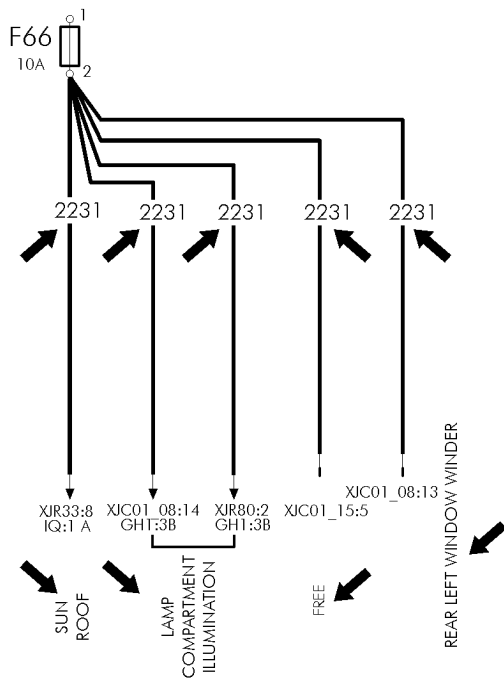


Active high.



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]

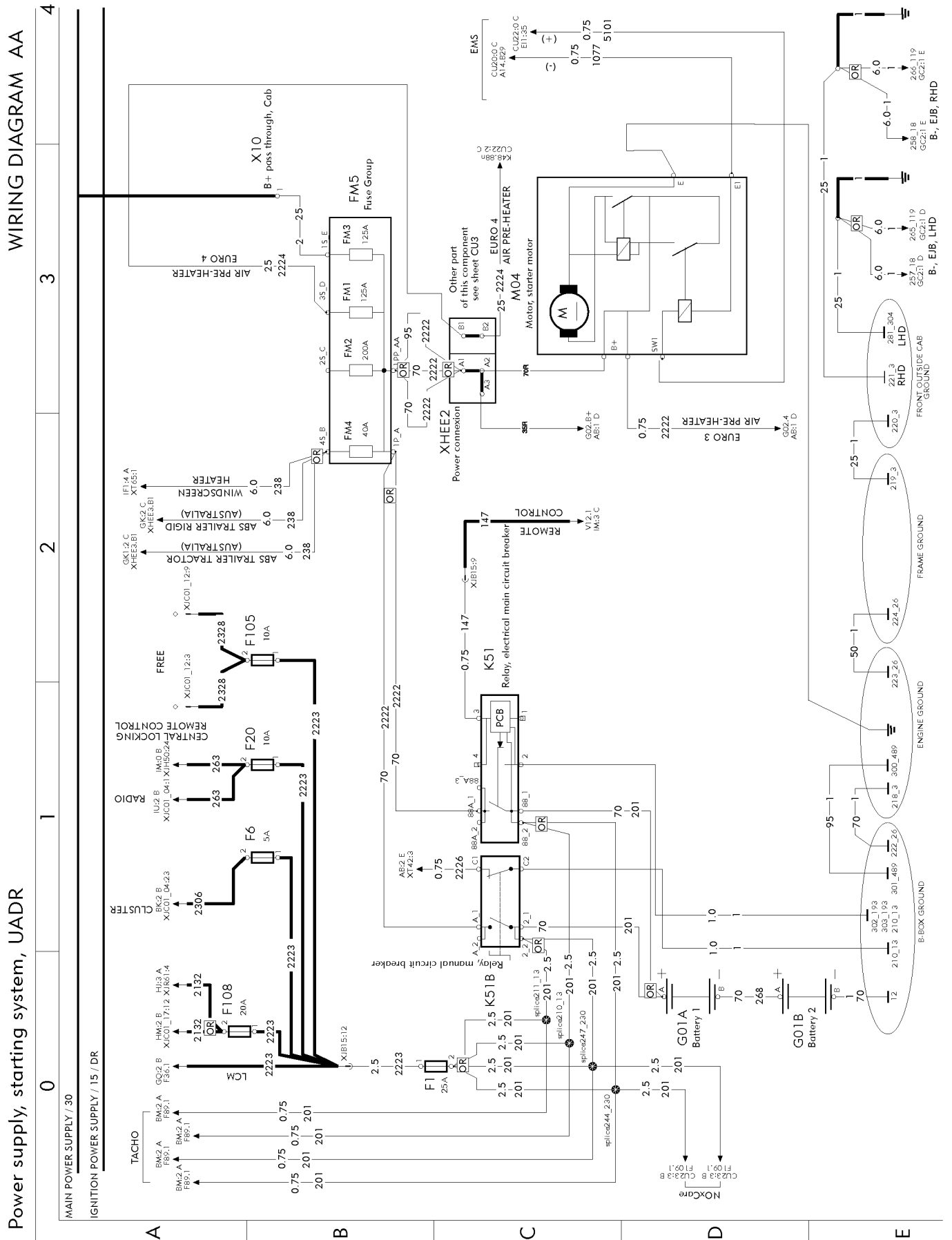
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Component wiring diagrams



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