

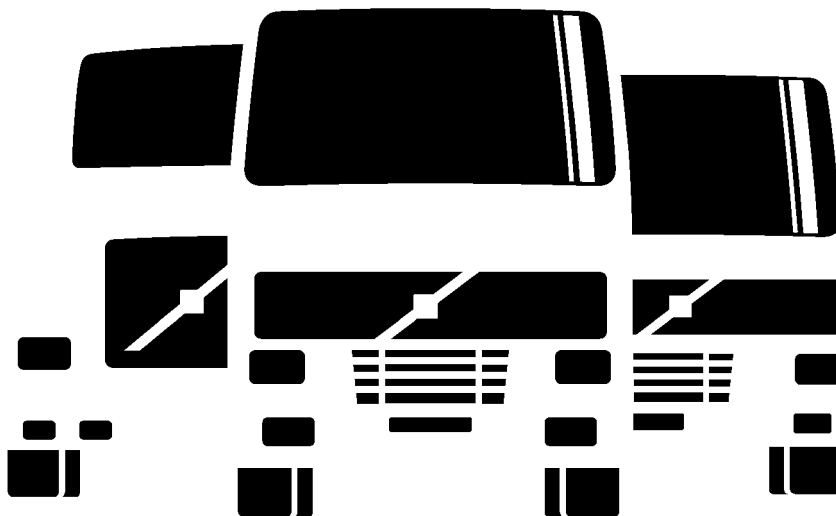
# Service Manual Trucks

Group **37**

Release **02**

Wiring diagram

FM9, FM12, FH12 VERSION2



# Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to August 02.

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

The following information will be superseded by this manual:

SM Group 37 TSP 169444

**Order number: TSP175664**

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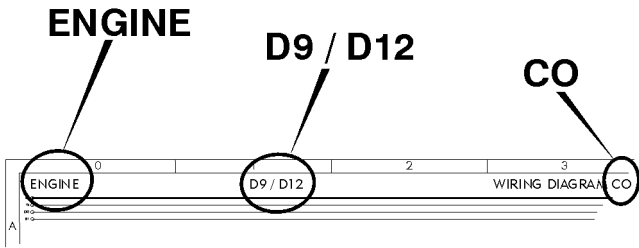
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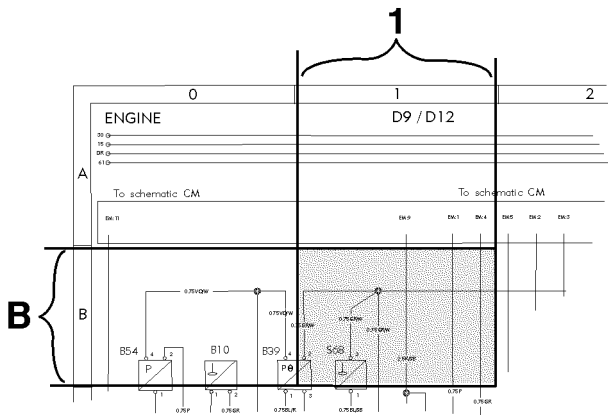
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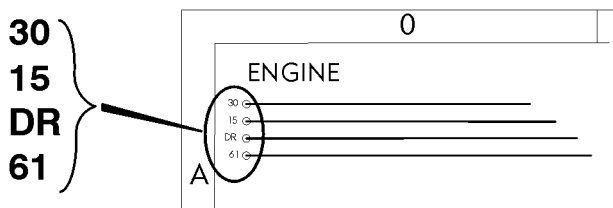
# Example of wiring diagram



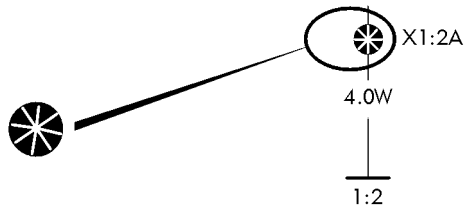
Component wiring diagram title, variant/subtitle and symbol.



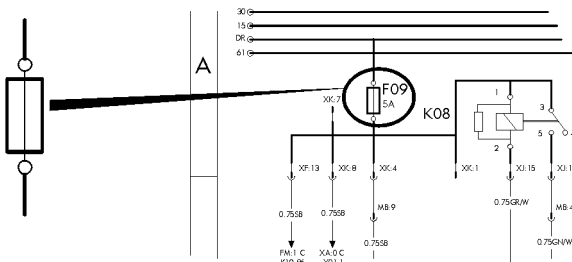
Coordinates (B 1).



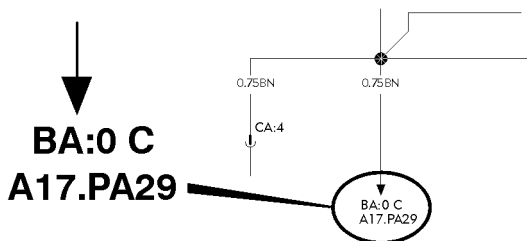
30 Voltage battery, kl.30.  
15 Voltage with starter key in drive position, kl.15.  
DR Voltage with starter key in drive position, preheat position and start position, kl.DR.  
61 Voltage when alternator charges, kl.61.



Splice.



Fuse.

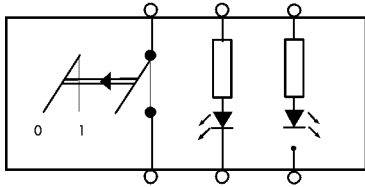
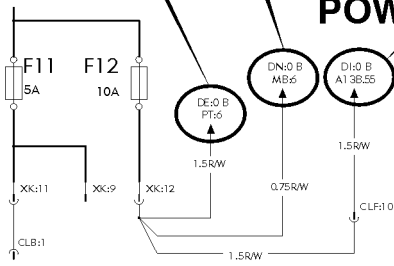


Reference arrow, for diagram BA, coordinates 0 C, component A17, connector PA pin 29.

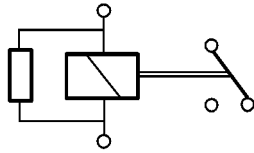
# GEARTRONIC

## I-SHIFT

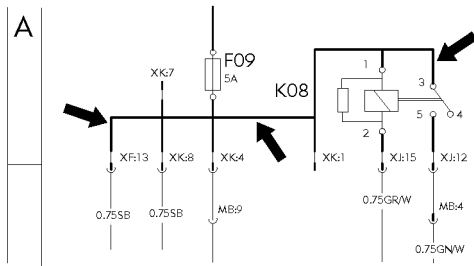
## POWERTRONIC



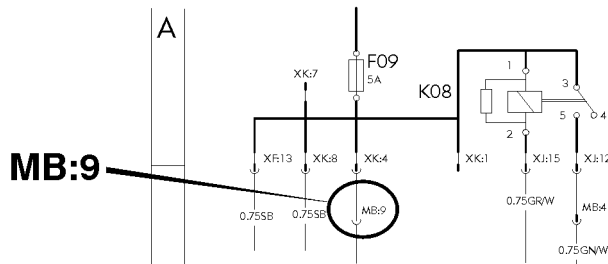
Switch.



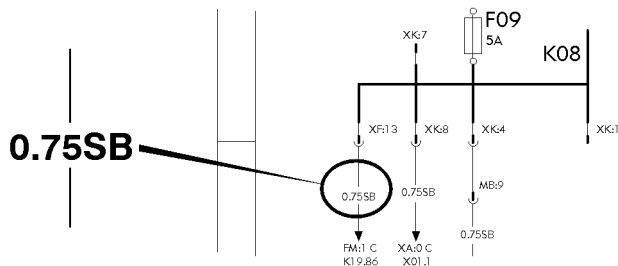
Relay.



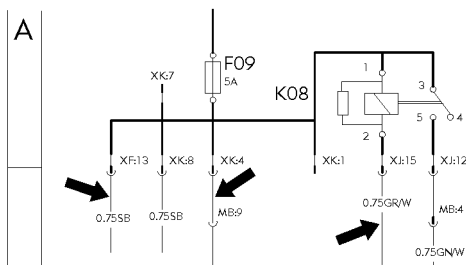
Conductor on circuit card.



Connector MB terminal 9.

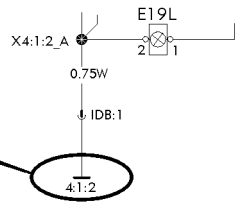


Wire area and colour.

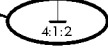


Thin lines, wires.

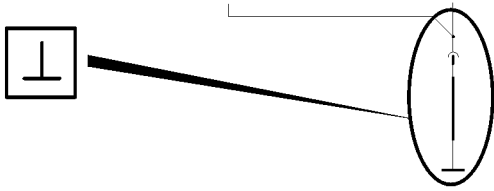
Earth connection point 4, earth connection 1 and wire 2.



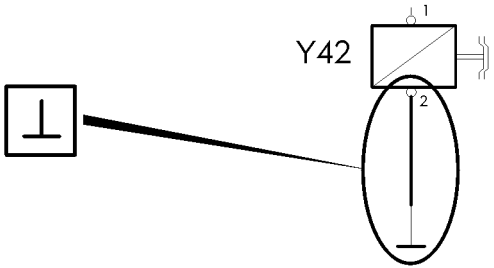
4:1:2



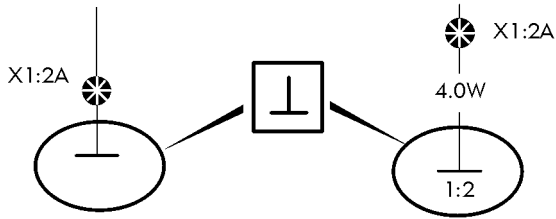
Earth connection to circuit card.



Earth connection without wire.



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.



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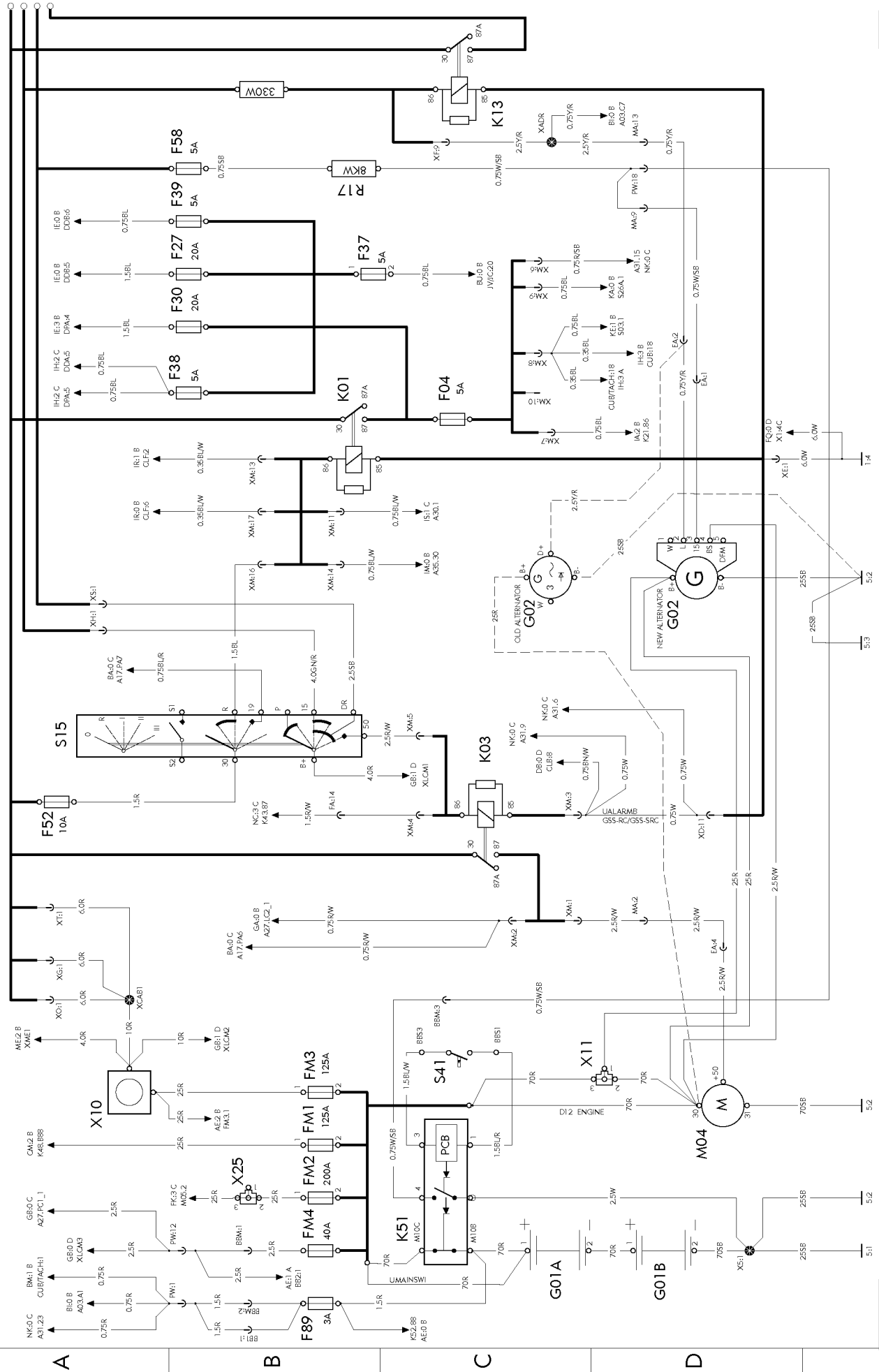


# Component wiring diagrams

WIRING DIAGRAM AA

STARTING SYSTEM

POWER SUPPLY



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