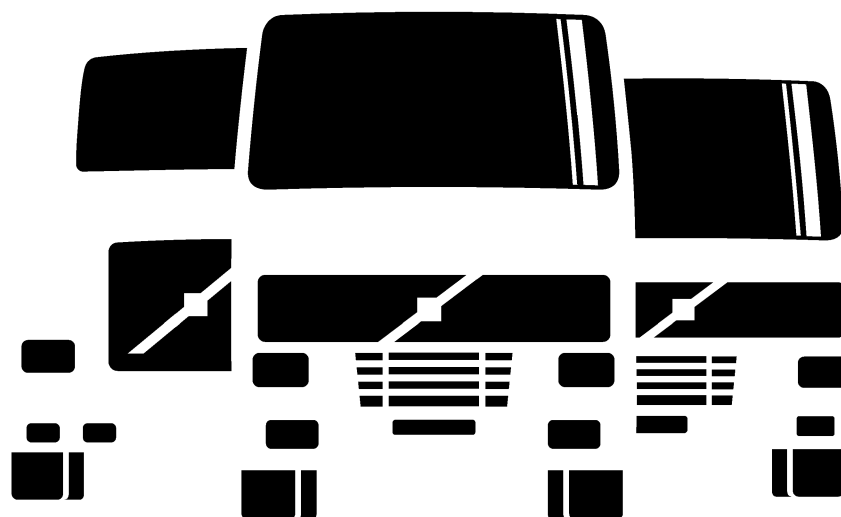


Service Manual Trucks

Group **37**
Wiring diagram
FH12, FH16 LHD



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to March 95.

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: TSP23665/1

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













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










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






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






















Component wiring diagram

FH12, FH16 LHD

| | | |
|---|----|--|
|  | AA | Starter system, current supply, engine preheating 24 V |
|  D12A | BL | FH12, UI - unit injector, exhaust brake, exhaust pressure governor |
|  | BN | FH16, EDC - electronically controlled fuel injection, exhaust brake, exhaust pressure governor |
|  | CE | Full beams, dipped beams, parking lights, side marker lights, roof lights and tail lights |
|  | CG | Foglights |
|  | CH | Spotlights |
|  | CK | Brake lights |
|  | CL | Exhaust brake and compression brake |
|  | CN | Direction indicators, hazard warning lights |
|  | EA | Reversing lights |
|  | ED | Loading light, fifth wheel light |
|  | EJ | Roof sign (standard cab) |
|  | EK | Roof sign (high cab) |
|  | ER | Interior lights, instep lights, bunk lights and luggage compartment lights, 24 V socket |
|  | EV | Ashtray light, cigarette lighter |
|  | EX | 12 V socket |

| | | |
|---|----|--|
|  | FA | Horn |
|  | FB | Reverse warner |
|  | GA | Windscreen wipers and washers, headlamp wipers and washers |
|  | HA | Air conditioning |
|  | HB | Cab heater (DL1C) |
|  | HC | Engine/cab heater (DW80) |
|  | HD | Heated seat |
|  | HE | Electrically adjustable seat |
|  | HG | Electrically heated rearview mirror |
|  | HH | Electrically operated rearview mirror |
|  | HK | Air dryer |
|  | HM | Fuel filter heater |
|  | HP | Cab tilt unit |
|  | JA | Radio, voltage converter, loudspeaker, alarm clock/timer |
|  | KA | Electrically operated window winder |
|  | KD | Seat belt |
|  | KG | Electrically operated door lock |

| | |
|---|---|
|  KH | Central lock |
|  LD | Power take-off |
|  LE | Double power take-off |
|   L G | Diff. lock |
|  LJ | Lock, 3rd axle, bogie lift |
|  LL | Lock, 3rd axle |
| GEARTRONIC LO | Geartronic |
|  MA | Bogie lift (hydraulic) |
|  MD | Bogie lift (hydraulic), with axle load limiter |
|  MN | Air suspension 4x2 |
|   MP | Bogie lift, air suspension < 15 tonnes |
|   6x2 MQ | Air suspension 6x2 < 15 tonnes with time limitation |
|   MR | Bogie lift, pusher |
|   MS | Bogie lift, air suspension <15 tonnes |

| | | | |
|---|---|---|---|
|  | MV | Drive axle load increase | |
|  | MW | Drive axle load increase with time limitation | |
|  | MX | Bogie press, 6x2 air suspension | |
|  | MY | Bogie load, 6x4 air suspension with time limitation | |
|  |  | NA Left-hand unit in instrument panel (standard design) | |
|  |  | NB Central unit in instrument panel | |
|  |  | NC Right-hand unit in instrument panel (standard design) | |
|  | NG | Left-hand unit in instrument panel (Driver Information System — DIS) | |
|  |  |  | NJ Combination instrument (Driver Information System — DIS) |
|  |  | OA Anti-lock brakes (ABS), 4-channel | |
|  | PA | Level control, headlights | |
|  | XA | Extra fuses | |
|  | XD | Connection of extra switch, rheostat | |
|  | ZA | Earth connections | |
|  | ZD | ADR (battery master switch, current limiter, emergency stop) | |
|  |  | ZE ADR cab heater (DL1C) | |

