

# Service Manual Trucks

Group **37**  
Wiring Diagram  
F10, F12, F16 LHD

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The contents of this Manual replace the following service bulletins:

T-37 0-69  
37 0-72  
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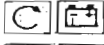




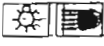

























**Order number: TSP 23688/1**

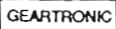























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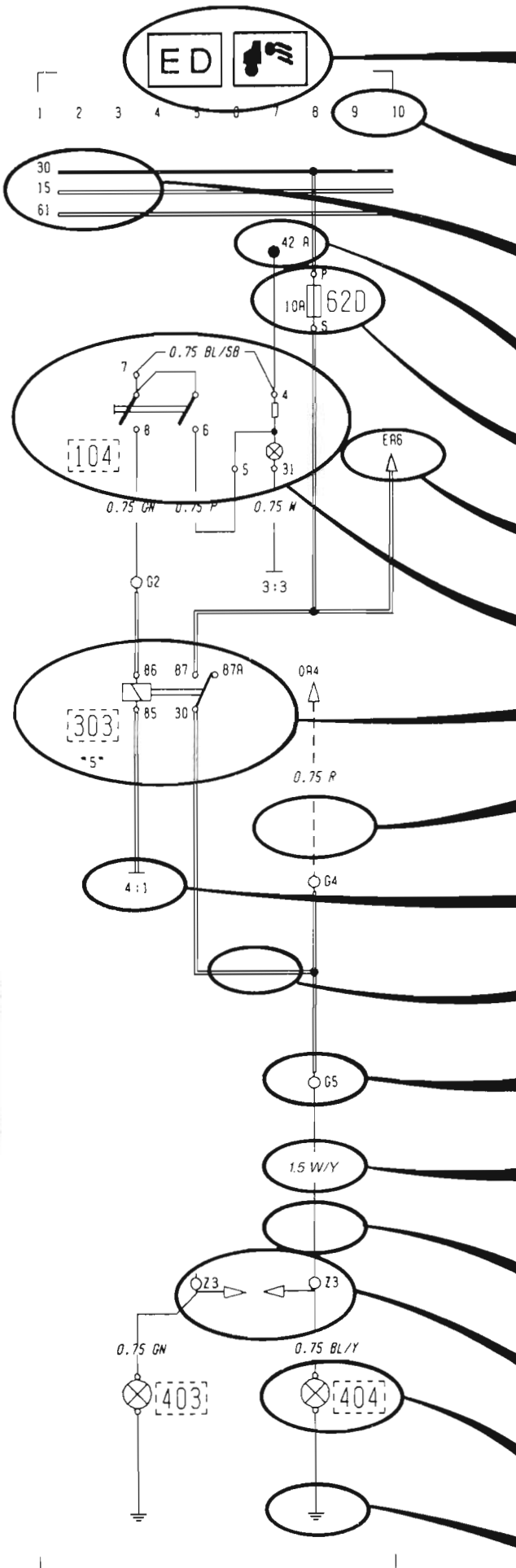
# Component wiring diagram

## F 10, F 12, F 16, LHD

	<b>AA</b>	Starter motor, alternator, 24 V .....	5
	<b>BB</b>	Coolant level, preheating, exhaust pressure governor, exhaust brake, range inhibitor, interval wiping .....	6
	<b>BG</b>	Engine switch-off .....	7
	<b>BK</b>	Speed limiter .....	7
	<b>BN</b>	EDC, electronically controlled fuel injection .....	8
	<b>CE</b>	Parking, sidemarking, roof and rear lights Full beams and dipped beams, spot lights .....	10
	a	– Dim-Dip (only RHD)	
	<b>CG</b>	Fog lights .....	11
	<b>CK</b>	Brake lights .....	11
	a	– With ABS	
	b	– Without ABS	
	<b>CN</b>	Direction indicators, hazard warning lights .....	11
	<b>EA</b>	Reversing lights .....	11
	<b>ED</b>	Loading light, fifth wheel light .....	12
	<b>EG</b>	Rear fog lights .....	12
	<b>EK</b>	Roof sign (high cab) .....	12
	<b>EN</b>	Rotating warning lights .....	12
	<b>ER</b>	Interior lighting, low cab .....	13
	a	– Sleeper cab, 1 bunk	
	b	– Day cab, 2 bunks	
	<b>ET</b>	Interior lighting, high cab .....	14
	a	– Extra bunk	
	<b>EV</b>	Ashtray lighting, cigarette lighter .....	14
	<b>FA</b>	Horn .....	14
	<b>GA</b>	Windscreen wiper with washer, headlamp wiper with washer .....	15
	<b>HA</b>	Climat unit (air conditioning) .....	16–17
	a	– AC, ATC	
	b	– ATC	
	c	– With heater, without AC or ATC	
	<b>HC</b>	Parking heater DW80 .....	19
	<b>HG</b>	Heated rearview mirror, heated seat, air dryer .....	20
	a	– Twin-tower air dryer	
	b	– Single-tower air dryer	
	<b>JA</b>	Radio, communications radio and loudspeakers .....	20
	<b>KA</b>	Electrical window winder .....	21
	<b>KD</b>	Seat belt .....	22
	<b>KH</b>	Central lock .....	22
	<b>LC</b>	Speed indicator, Korea .....	23
	<b>LD</b>	Power take-off .....	23
	<b>LE</b>	Power take-off, clutch-independent .....	24
	<b>LG</b>	Diff. lock .....	24
	a	– 6×4, 8×4	
	<b>LJ</b>	Lock, self-steered axle .....	25

	<b>LO Geartronic</b> .....	26–27
	<b>MA Bogie lift (hydraulic)</b> .....	28
	<b>MD Bogie lift (hydraulic), with axle load limiter</b> .....	29
	<b>MG Bogie lift (air-operated)</b> .....	29
	<b>MK Bogie lift (air-operated), with axle load limiter</b> .....	30
	<b>MN Air suspension</b> .....	31
	a – Air suspension, rear	
	b – Complete air suspension	
	c – With driver information	
	d – Without driver information	
	e – Bogie lift, air suspension 15 tonnes	
	f – Bogie lift, air suspension < 15 tonnes	
	<b>MP Bogie lift, air suspension &lt; 15 ton</b> .....	32
	<b>MS Bogie lift, air suspension 15 ton</b> .....	33
	<b>MV Drive axle load-increase</b> .....	34
	<b>MX Bogie-lift, 6x4 air suspension</b> .....	35
	<b>NA Combined instrument</b> .....	36
	a – Without tachograph	
	<b>ND Indicator lamps</b> .....	37
	a – Without driver information	
	b – With driver information	
	<b>NG Instrument, buzzer, rheostat</b> .....	38
	a – 6×4, 8×4	
	<b>NK Driver information system</b> .....	39
	a – Without driver information	
	<b>OA Anti-lock brakes (ABS)</b> .....	40
	<b>OB Anti-lock brakes (ABS),</b>	
	6-channel .....	41
	<b>OD Electro-magnetic brake</b> .....	42
	<b>OG Hydrodynamic brakes</b> .....	43
	<b>PA Level control headlights</b> .....	43
	<b>XA 6-unit fuse holder</b> .....	44
	<b>XB 6-unit fuse holder for superstructure</b> .....	44
	<b>XD Connection, extra equipment</b> .....	45
	<b>XF Connection for extra equipment (connector MD)</b> .....	45
	<b>ZA Earth connections</b> .....	46
	<b>ZD Joint sleeve</b> .....	47–48

# EXAMPLE OF CIRCUIT DIAGRAM



Refer to the list of contents for the designation and symbol of the circuit diagram. If the circuit diagram designation is boxed in with broken lines this means that the circuit diagram is not standard on all markets or vehicle models.

Seek column

30 Always voltage  
15 Voltage with starting key in drive position  
61 Voltage when alternator charges (only FL)

Connector A

Fuse (D)

Reference arrow (for circuit diagram EA, seek column 6).

Switch (104)

Relay (303)

If the line is broken this means the cable is not standard on all markets or vehicle models.

Earth terminal no. 1. at earth connection point no. 4. (see circuit diagram ZA).

Double lines, conductor on circuit card

Connector (G, terminal 5)

Cable area and colour (1.5 mm<sup>2</sup> white/yellow)


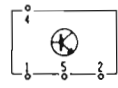









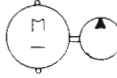

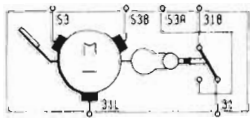



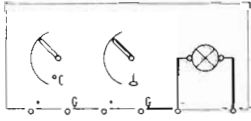
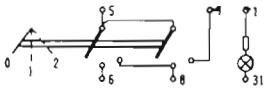
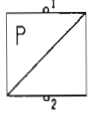
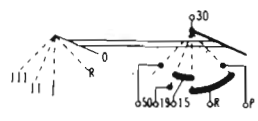











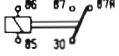

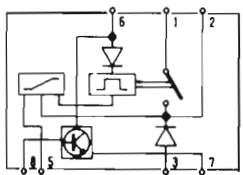
Single lines, cables

Arrows indicate that component 404 or 403 is connected up

Bulb (404)  
A broken line box round the component number shows that the component is not standard on all markets or vehicle models.

Earth connection without cable

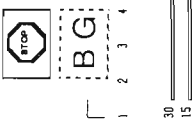
# EXAMPLES OF SYMBOLS ON WIRING DIAGRAM

	Battery		Relay, electronic
	Connector		Bulb
	Junction		Bulb, full beams and dipped beams
	Fuse		Alternator
	Joint sleeve		Starter motor
	Cable		Washer motor
	Conductor on circuit card		Windscreen wiper motor
	Earth connection and cable		Solenoid valve with diode
	Earth connection without cable		Instrument, temperature and level
	Switch		Pressure sensor
	Switch, starting switch		Temperature sender
	Closing contact		Level sender
	Closing contact, pressure-regulated		Starting heater
	Break contact, temperature-regulated		Cigarette lighter
	Closing contact, time-regulated		Horn
	Slip contact, horn		Rheostat
	Relay		Buzzer
	Relay with internal circuit diagram		

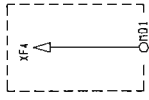








30  
15



0.75 BL



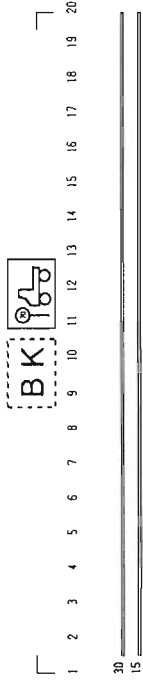
0.75 BL

603

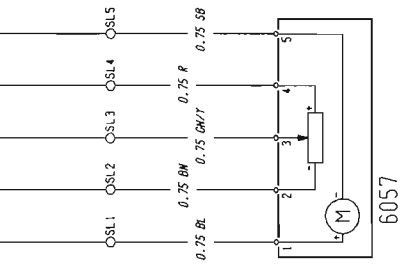
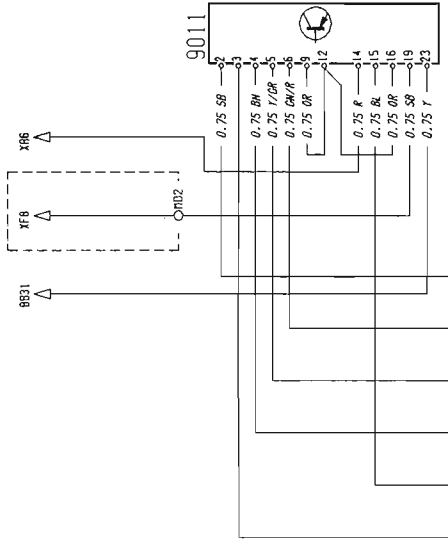


0.75 W

1.4:1



30  
15



0.75 W

15:1

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64

B N EDC

