

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:

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Correction date 09.91

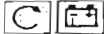




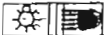












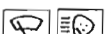

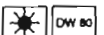
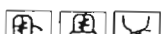









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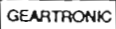























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Component wiring diagram

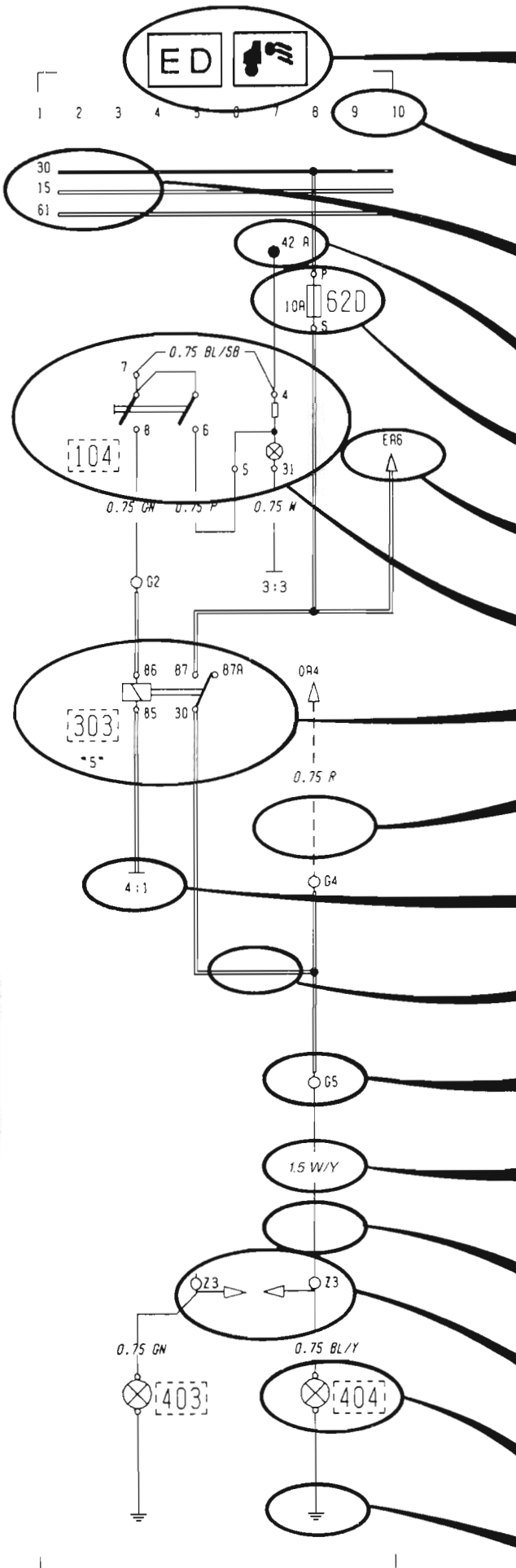
F 10, F 12, F 16, LHD

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

	LO Geartronic	26–27
	MA Bogie lift (hydraulic)	28
	MD Bogie lift (hydraulic), with axle load limiter	29
	MG Bogie lift (air-operated)	29
	MK Bogie lift (air-operated), with axle load limiter	30
	MN Air suspension	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	
	MP Bogie lift, air suspension < 15 ton	32
	MS Bogie lift, air suspension 15 ton	33
	MV Drive axle load-increase	34
	MX Bogie-lift, 6x4 air suspension	35
	NA Combined instrument	36
	a – Without tachograph	
	ND Indicator lamps	37
	a – Without driver information	
	b – With driver information	
	NG Instrument, buzzer, rheostat	38
	a – 6×4, 8×4	
	NK Driver information system	39
	a – Without driver information	
	OA Anti-lock brakes (ABS)	40
	OB Anti-lock brakes (ABS),	
	6-channel	41
	OD Electro-magnetic brake	42
	OG Hydrodynamic brakes	43
	PA Level control headlights	43
	XA 6-unit fuse holder	44
	XB 6-unit fuse holder for superstructure	44
	XD Connection, extra equipment	45
	XF Connection for extra equipment (connector MD)	45
	ZA Earth connections	46
	ZD Joint sleeve	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 mm² white/yellow)


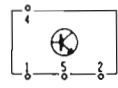









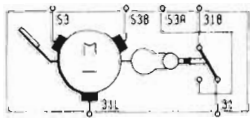



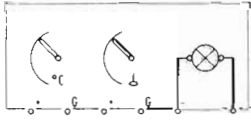
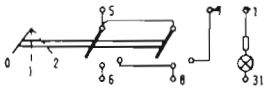
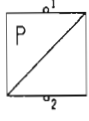
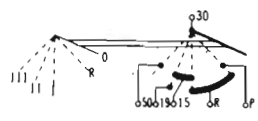











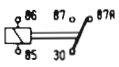

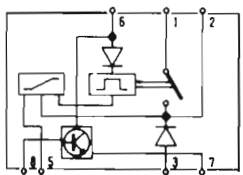
Single lines, cables

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		

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