



# Workshop Manual

## LT

### Current flow diagrams

August 1978 Edition

Supersedes the June 1975 edition for the LT Workshop Manual

This Manual is valid for the LT from the start of production (August 1975). It describes all repair operations which require special instructions to ensure satisfactory work. All modifications introduced up to date of issue are incorporated.

The manual is divided into separate booklets according to subject. In the "Current flow diagrams" booklet the contents list shows all current flow diagrams listed according to model year. This contents list is filed as a separate sheet in front of the current flow diagrams. The list is renewed each time a new current flow diagram is published.

#### Fault finding

General fault finding instructions are incorporated in the Workshop Manual. Further instructions on the elimination of commonly occurring defects are given in the "Fault Finding Handbook".

Technical information should always be made available to all foremen and mechanics because compliance with the instructions given is essential to ensure vehicle roadworthiness and safety. In addition, the normal safety precautions to be observed when working on motor vehicles are also applicable.

#### When and how to use current flow diagrams

The current flow diagrams are the essential basis on which to find defects in the electrical system. Make it a habit therefore always to use the current flow diagrams, and you will see that by making a quick and exact defect diagnosis the repair time will be shortened and the quality of the repair improved.

The current flow diagrams show the individual current circuits of the electrical systems on a vehicle, divided up into current tracks. They show all the components and units and their functional connections. Components and units are illustrated by symbols, which in turn show internal connections with thin lines.

By illustrating the internal wiring of components and units it is possible to carry out systematic fault finding in the case of electrical system defects, because only in this manner can the current flow within a current circuit be completely and properly traced.

The illustration overleaf explains the essential characteristics of a current flow diagram. Please study this illustration — if you are familiar with the current flow diagrams you will be able to use them successfully in practice.



# Current flow diagrams

## INSTRUCTIONS FOR USING CURRENT FLOW DIAGRAMS

The grey area represents the relay plate with fuse holder

Wire cross section in mm<sup>2</sup>

Wiring colours are shown in the actual colours to be found on the vehicle

Numbers/number combinations These indicate the individual contacts in a multi-point connector, e.g. T 10/4  
T 10 = ten-point connector  
/4 = contact 4

Symbols (in this case: bulb)

Parts designation Using the legend you will be able to find which part in the current flow diagram is referred to by this symbol, e.g. W = interior light

Numbers in circles indicate the locations of earthing points (see legend)

Current track numbers to help you find the parts in the current flow diagram (see legend)

Pictorial illustration of parts whose symbols are given in the current track above.

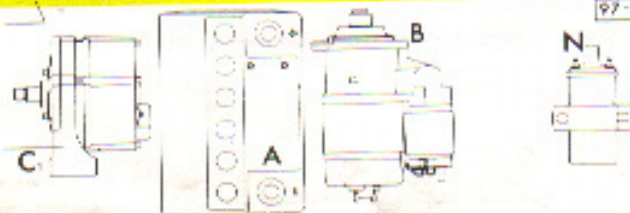
Note: All switches and contacts are illustrated in the mechanical off position. The various contacts in a switch are shown in the current track to which they belong by function.

Numbers in yellow squares indicate that a wire is discontinued in the diagram and refer to the current track where it is continued.

Terminals with the numbers which are on the actual parts.

Internal connections (thin lines) These connections are not to be found in the form of wires. Internal connections are however current-carrying connections. They make it possible to check the flow of current within a component or unit.

1 2 3 4 5 6 7 8 9 10 11 12 13 97-541





# Current flow diagrams

## SYMBOLS USED IN CURRENT FLOW DIAGRAMS

	Battery		Switch (mechanically operated)		Horn
	Alternator with voltage regulator		Switch (thermo operated)		Relay (with diode)
	Starter		Fuse		Cigarette lighter
	Ignition coil		Solenoid valve		Heated rear window
	Wiper motor - 2-speed		Sender unit for coolant temperature gauge		Interior light
	Electric motor		Sender unit for fuel gauge		Spark gap
	Switch (hand operated, on/off)		Instrument		Flat connector
	Switch (pressure operated)		Clock		Connector (multi-point)
	Switch (mechanically operated)		Bulb		Wiring connection, detachable
	Crossed wires (not connected)		Relay (electronically controlled)		Wiring connection, fixed

97-388

# **Current flow diagram VW LT**

May 1975 onwards



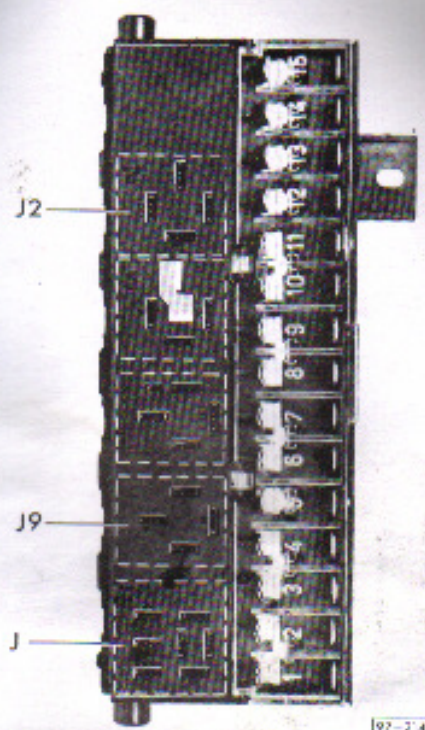
Designation

in current track

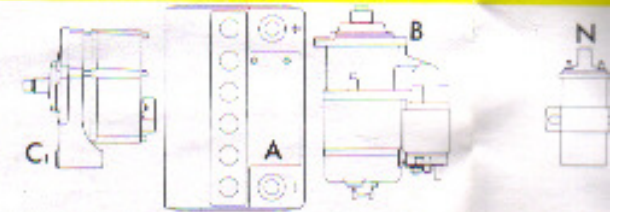
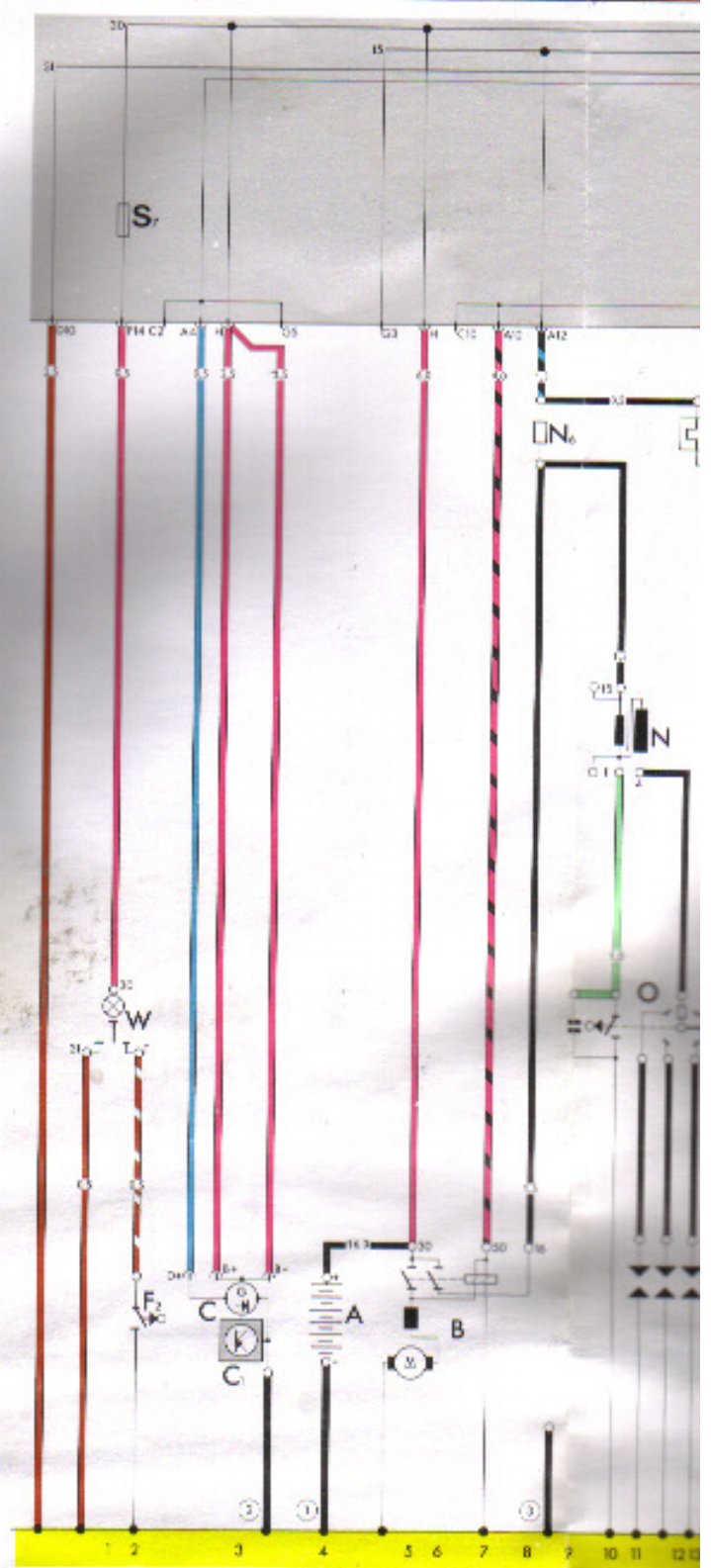
E	— Windscreen wiper switch	57, 58
E 2	— Turn signal switch	41
E 3	— Emergency light switch	38, 39, 40, 42
E 9	— Blower switch	52, 53
E 15	— Heated rear window switch	48, 49
F 1	— Oil pressure switch	64
F 4	— Reversing light switch	67
G	— Fuel gauge sender unit	66
G 1	— Fuel gauge	59
G 2	— Coolant temperature sender unit	65
G 3	— Coolant temperature gauge	60
H	— Horn button	70
H 1	— Horn	69
J 2	— Emergency light relay	39, 41
J 9	— Heated rear window relay	50, 51
J 31	— Holder for wash/wipe intermittent relay	55, 57
K 2	— Alternator warning lamp	62
K 3	— Oil pressure warning lamp	61
K 5	— Turn signal warning lamp	63
K 6	— Emergency light warning lamp	43
K 8	— Blower warning lamp	54
K 10	— Heated rear window warning lamp	49
M 5	— Bulb, front turn signal, left	45
M 6	— Bulb, rear turn signal, left	44
M 7	— Bulb, front turn signal, right	47
M 8	— Bulb, rear turn signal, right	46
M 16	— Bulb, reversing lights	68
S 5, S 8, S 9, S 10, S 11, S 15	— Fuses in fusebox	
T 1	— Flat connector, single, near electric fuel pump	
T 3	— Connector, three-point, behind instrument panel	
T 10	— Connector, ten-point, on instrument panel insert	
V	— Windscreen wiper motor	55, 56
V 2	— Blower motor	52, 53
V 14	— Electric fuel pump	72
Z 1	— Heated rear window	51

⊙ — Earthing point, instrument panel insert

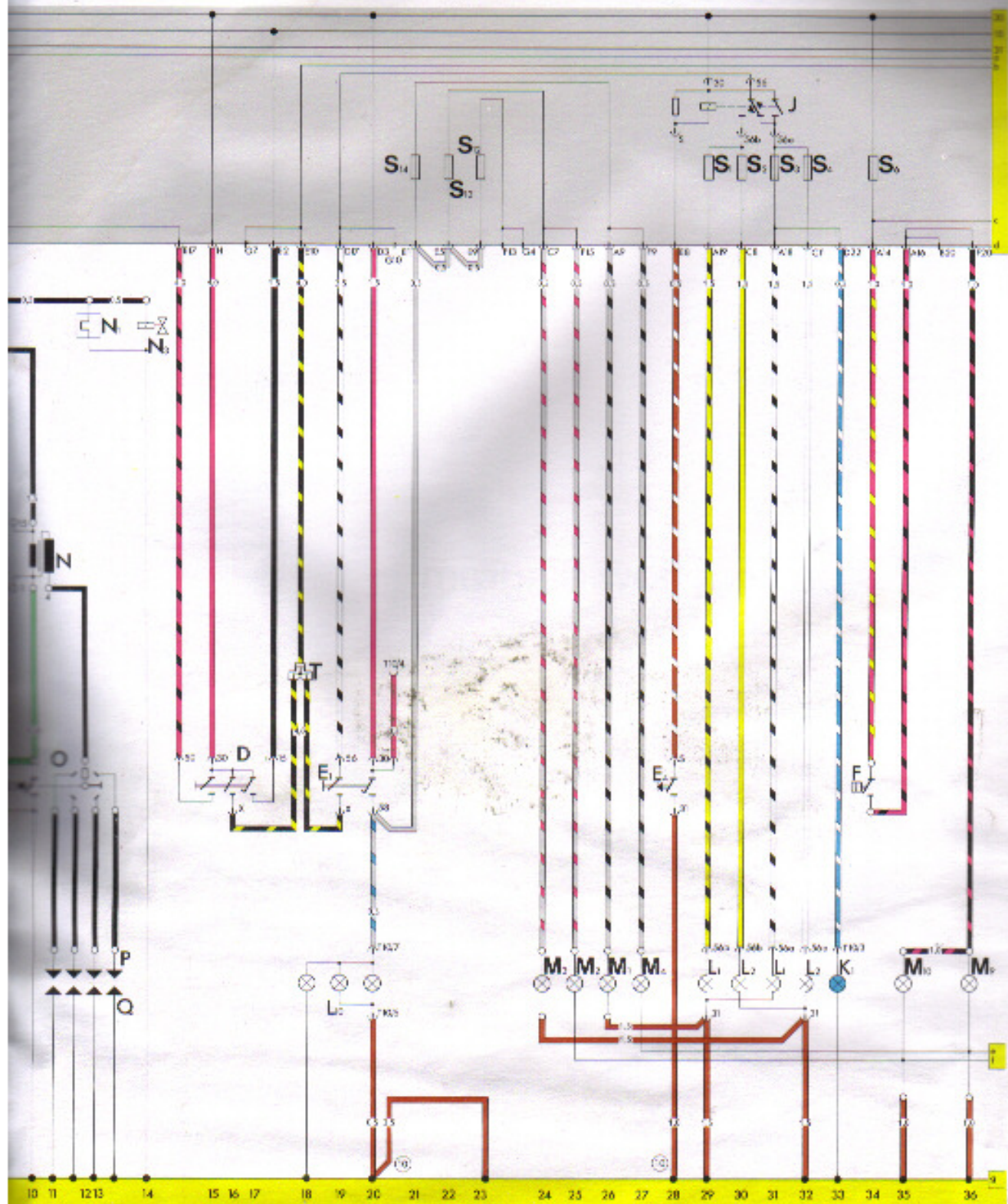




97-2'4







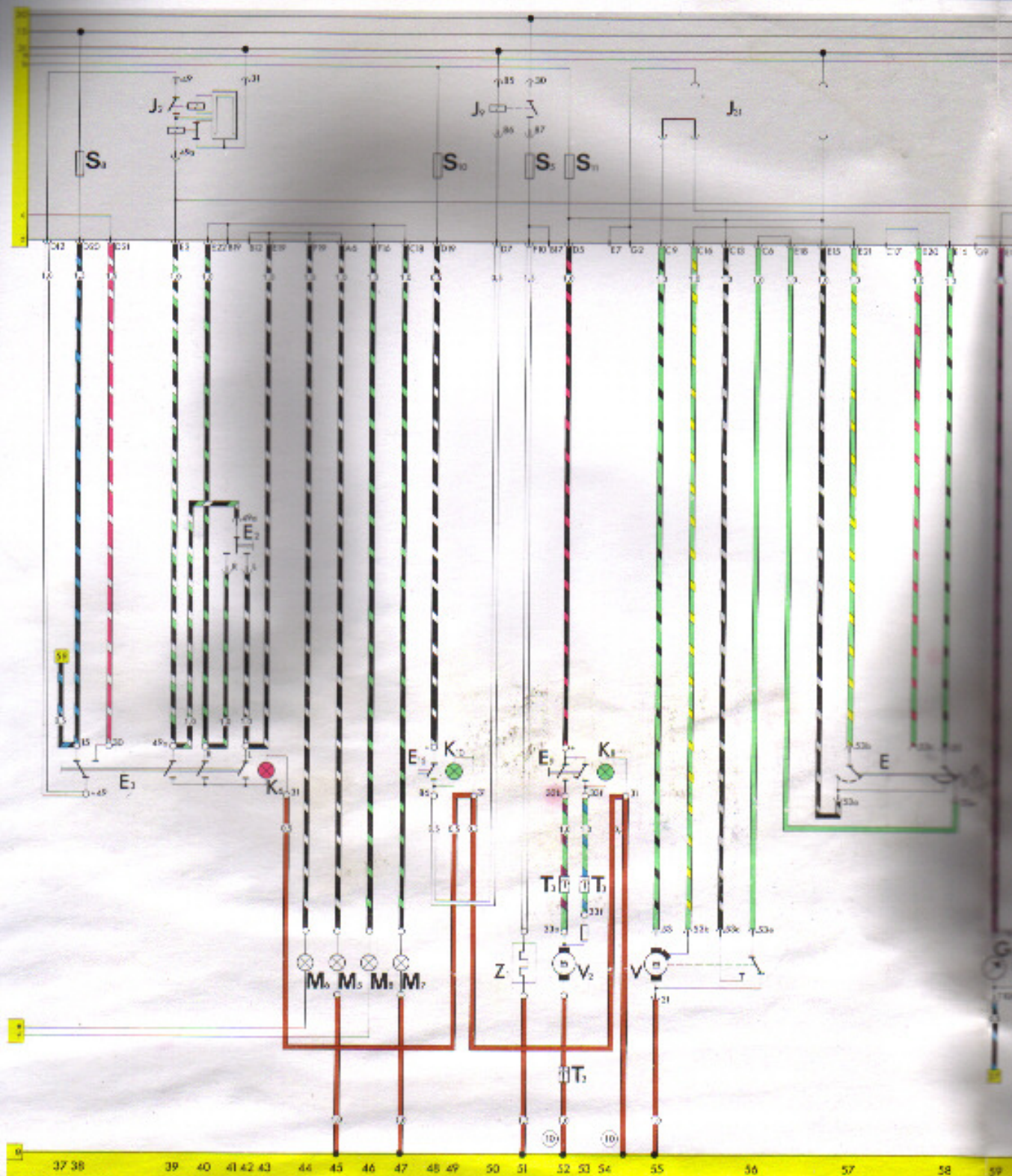
97-203



The grey area at the top of the diagram represents the relay plate and fusebox. The letters and figures by the connections give the positions of the wires in the multi-point or single connectors (e.g. D 10 — multi-point connector D, contact 10).

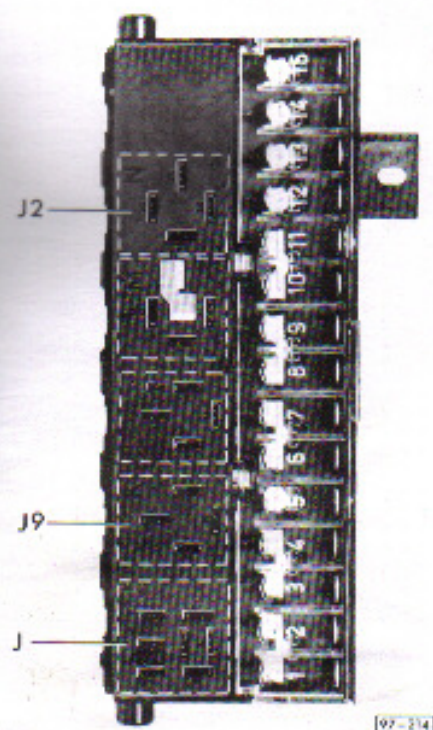
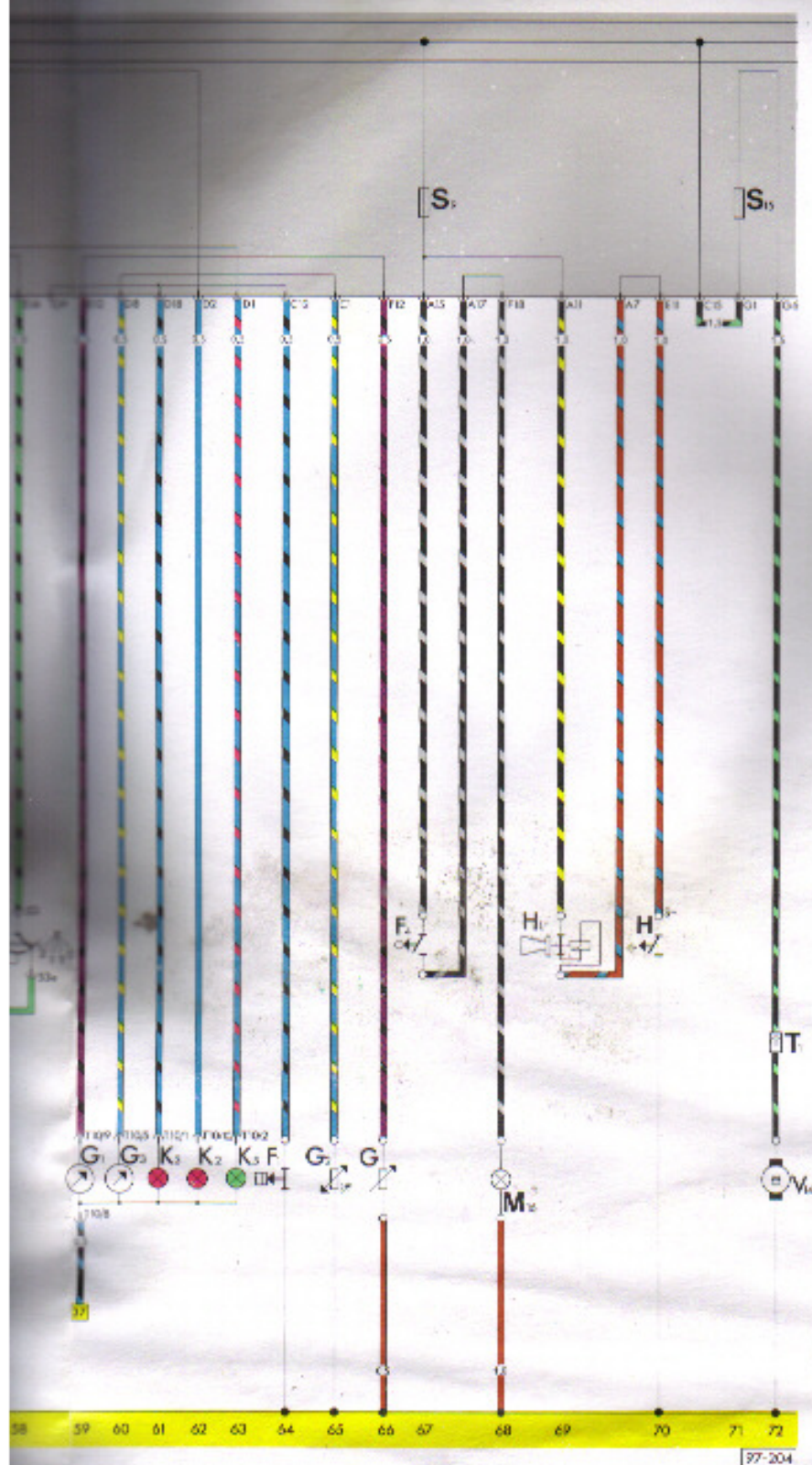


# VW LT, May 1975 onwards



The grey area at the top of the fusebox. The letters and figures in the wires in the multi-point or single-point distributor, contact 12).





op of the diagram represents the relay plate and  
nd figures by the connections give the positions of  
point or single connectors (e.g. D-12 — multi-point  
12).





Designation

in current track

A	— Battery
B	— Starter
C	— Alternator
C 1	— Voltage regulator
D	— Ignition/starter switch
E 1	— Light switch
E 4	— Headlight dip and flasher switch
F	— Brake light switch
F 2	— Door contact switch
J	— Headlight dip and flasher relay
K 1	— High beam warning lamp
L 1	— Twin filament bulb, left headlight
L 2	— Twin filament bulb, right headlight
L 10	— Instrument panel insert bulb
M 1	— Side light bulb, left
M 2	— Tail light bulb, right
M 3	— Side light bulb, right
M 4	— Tail light bulb, left
M 9	— Brake light bulb, left
M 10	— Brake light bulb, right
N	— Ignition coil
N 1	— Automatic choke
N 3	— Bypass air cutoff valve
N 6	— Series resistance (for ignition coil)
O	— Distributor
P	— Spark plug connectors
Q	— Spark plugs
S 1, S 2, S 3, S 4, S 6,	— Fuses in fusebox
S 7, S 12, S 13, S 14	
T	— Cable adaptor, behind instrument panel
T 10	— Connector, ten-point, on instrument panel insert
W	— Interior light

- ① — Earthing strap, battery/body
- ② — Earthing strap, alternator/engine
- ③ — Earthing strap, gearbox/chassis
- ⑩ — Earthing point, instrument panel insert

4  
5, 6, 7, 8  
3  
3  
15, 16, 17  
19, 20  
28  
34  
2  
28, 29, 30, 31  
33  
29, 31  
30, 32  
18, 19, 20  
26  
25  
24  
27  
36  
35  
10, 11  
13  
14  
8  
10, 11, 12, 13  
11, 12, 13  
11, 12, 13



**V.A.G Service.**

**V·A·G**

**Workshop Bulletin.**  
**VW LT**

File in booklet: Current flow diagram

Page to be marked:

No. **2**  
of  
6/80

Please exchange the index and file the additional current flow diagrams Nos. 5 and 6.

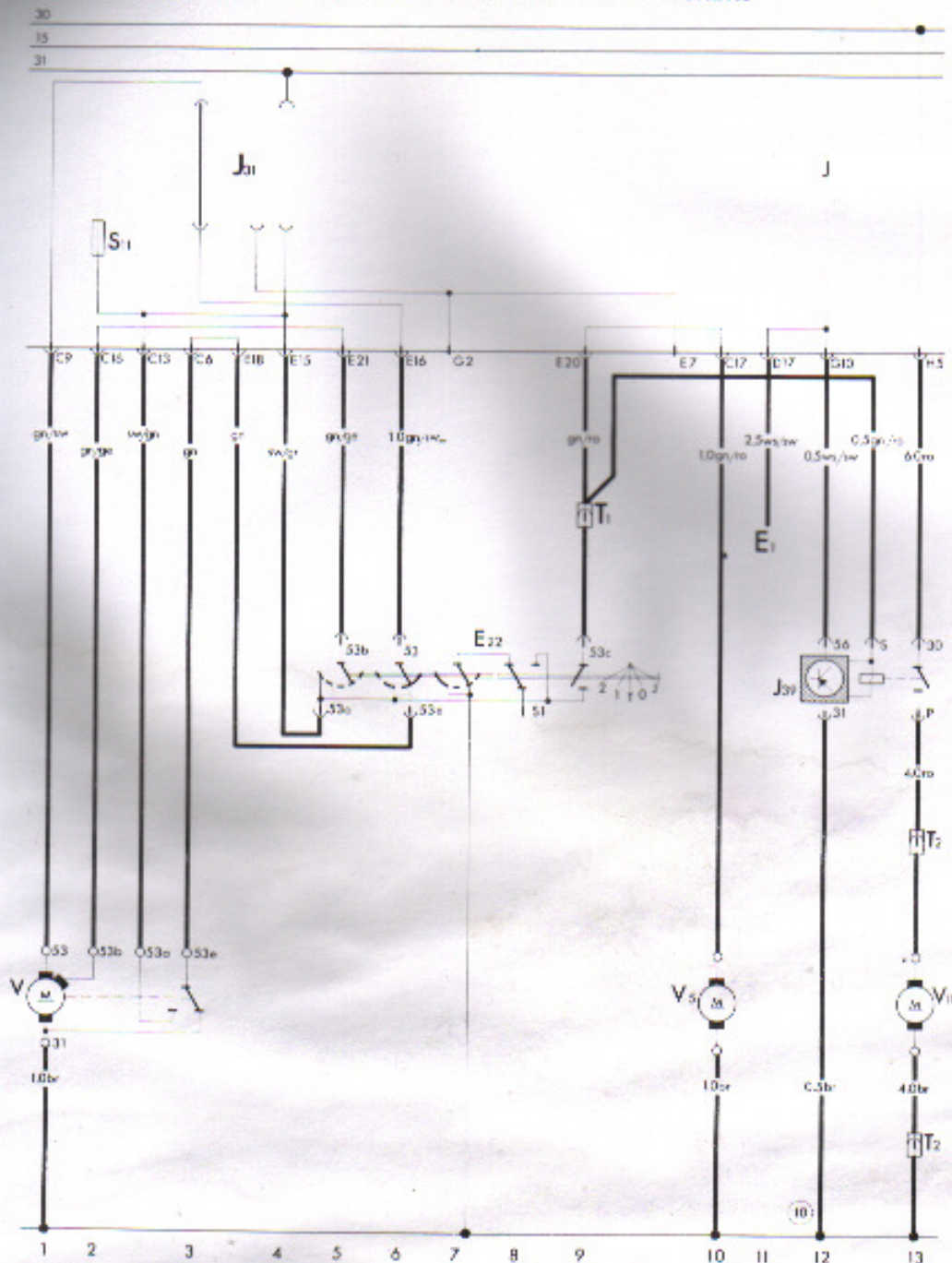
After exchanging the index and filing the current flow diagrams this wrapper can be destroyed.

Printed in Germany

0.00.594.102.20



# ADDITIONAL CURRENT FLOW DIAGRAM FOR HEADLIGHT WASHERS



## Designation

- E 1 — To light switch, terminal 56
- E 22 — Windscreen wiper switch for intermittent operation
- J — To headlight dip and flasher relay, terminal 56
- J 31 — Reserved for intermittent wash/wipe relay
- J 39 — Headlight washer relay
- S 11 — Fuse in fusebox
- T 1 — Connector, single, near fusebox
- T 2 — Connector, two-point, near headlight washer pump
- V — Windscreen wiper motor
- V 5 — Windscreen washer pump
- V 11 — Headlight washer pump
- ⓪ — Earthing point, instrument panel

97-205

in current track

- 11
- 5-9
- 12
- 3, 4
- 12, 13
- 2
- 1-3
- 10
- 13



**Workshop Bulletin.**  
**VW LT**

File in booklet: Current flow diagrams

Page to be marked:

No. **3**  
of  
11/80

Please exchange the index and file the additional current flow diagrams Nos. 7 and 8.

After exchanging the index and filing the current flow diagrams this wrapper can be destroyed.

Printed in Germany

0.00.594.103.20



**Current flow diagram**  
**VW LT Diesel**  
(4-cylinder)

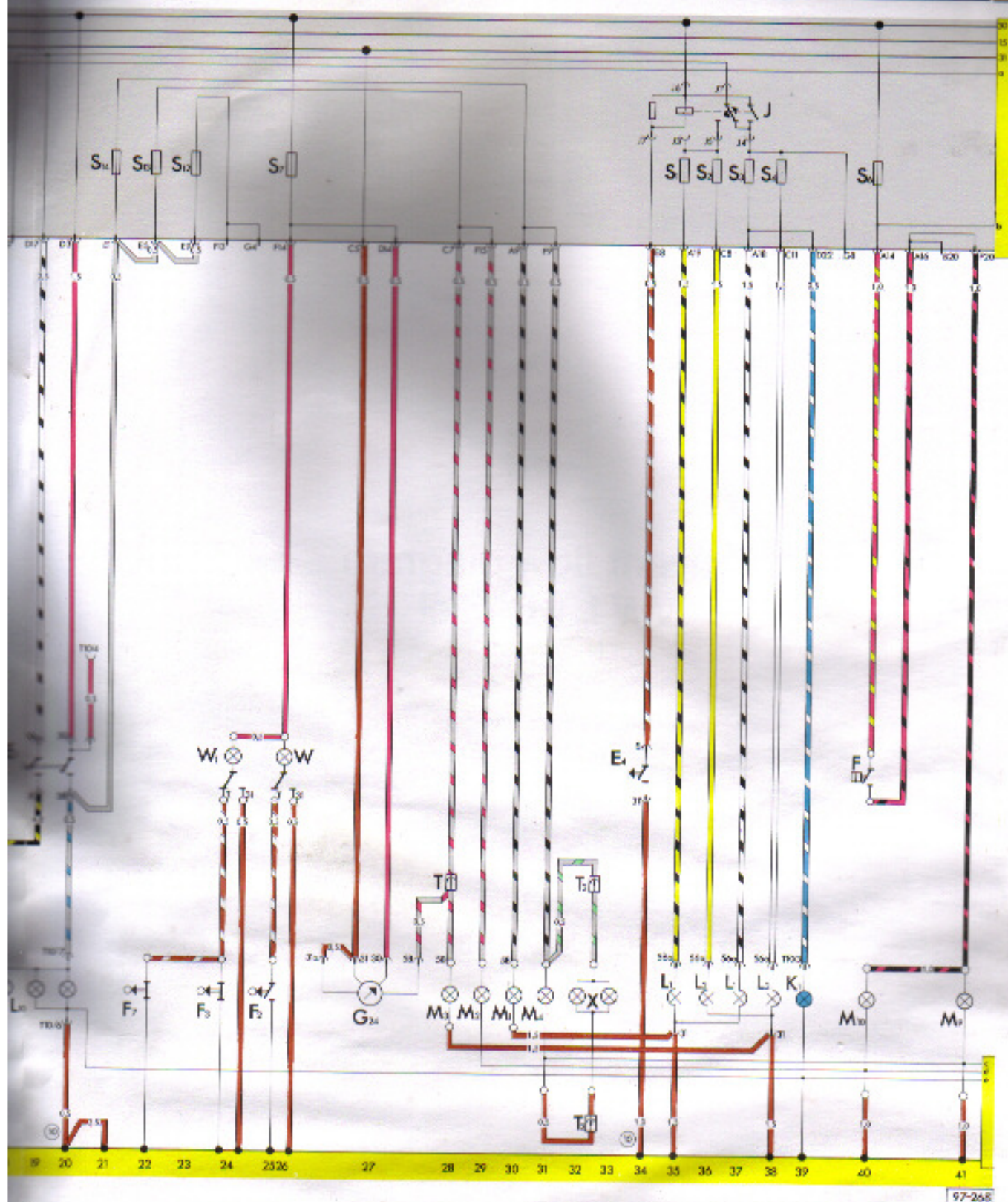
January 1976 onwards







# LT Diesel (4-cylinder), January 1976 onwards



E<sub>1</sub>

The grey area at the top of the diagram represents the relay plate and fusebox. The letters and figures by the connections give the positions of the wires in the multi-point or single connectors (e.g. D 10 – multi-point connector D, contact 10).



## Designation

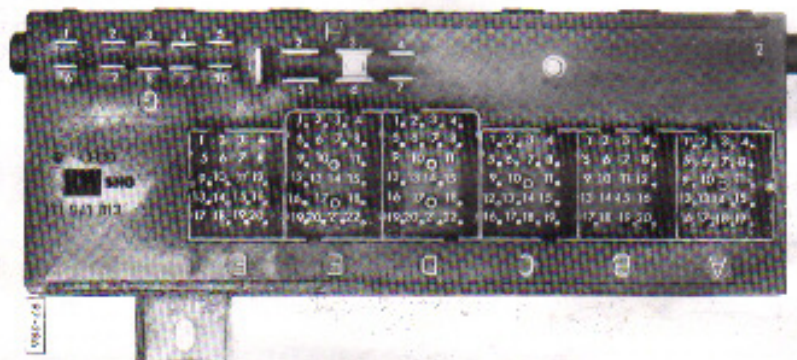
E	— Wiper switch
E 2	— Turn signal switch
E 3	— Emergency light switch
E 9	— Fresh air blower switch
E 15	— Heated rear window switch
F 1	— Oil pressure switch
F 4	— Reversing light switch
G	— Fuel gauge sender unit
G 1	— Fuel gauge
G 2	— Coolant temperature sender unit
G 3	— Coolant temperature gauge
H	— Horn button
H 1	— Horn
J 2	— Emergency light relay
J 6	— Voltage stabilizer
J 9	— Heated rear window relay
J 31	— Holder for wash/wipe intermittent relay
K 3	— Oil pressure warning lamp
K 5	— Turn signal warning lamp
K 6	— Emergency light warning lamp
K 8	— Blower warning lamp
K 10	— Heated rear window warning lamp
M 5	— Bulb, front turn signal, left
M 6	— Bulb, rear turn signal, left
M 7	— Bulb, front turn signal, right
M 8	— Bulb, rear turn signal, right
M 16	— Bulb, reversing light, left
M 17	— Bulb, reversing light, right
S 5, S 8, S 9, S 10, S 11, S 15	— Fuses in fusebox
T 3	— Connector, three-point, behind instrument panel
T 10	— Connector, ten-point, on instrument panel insert
V	— Windscreen wiper motor
V 2	— Blower motor
Z 1	— Heated rear window

Ⓢ — Earthing point, instrument panel insert

## in current track

61, 62  
46, 47  
43–48  
56, 57  
53  
67  
70  
69  
63  
68  
64  
73  
72  
44–46  
64, 65  
54, 55  
65  
66  
48  
58  
54  
50  
49  
52  
51  
71  
72

59, 60  
56, 57  
55

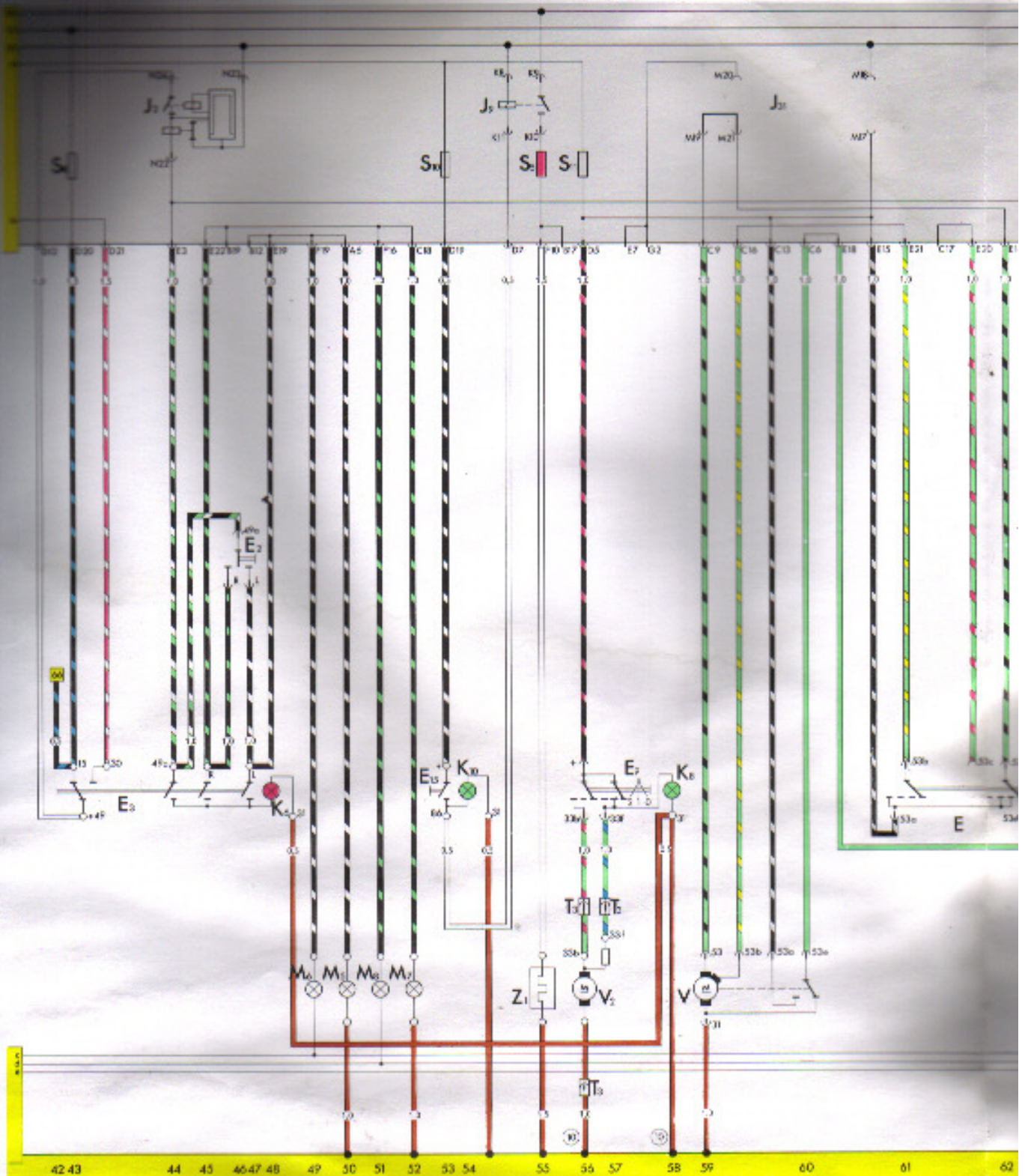








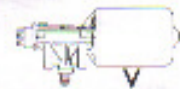
# LT Diesel (4-cylinder), January 1976 onwards



E<sub>1</sub>

E<sub>2</sub>

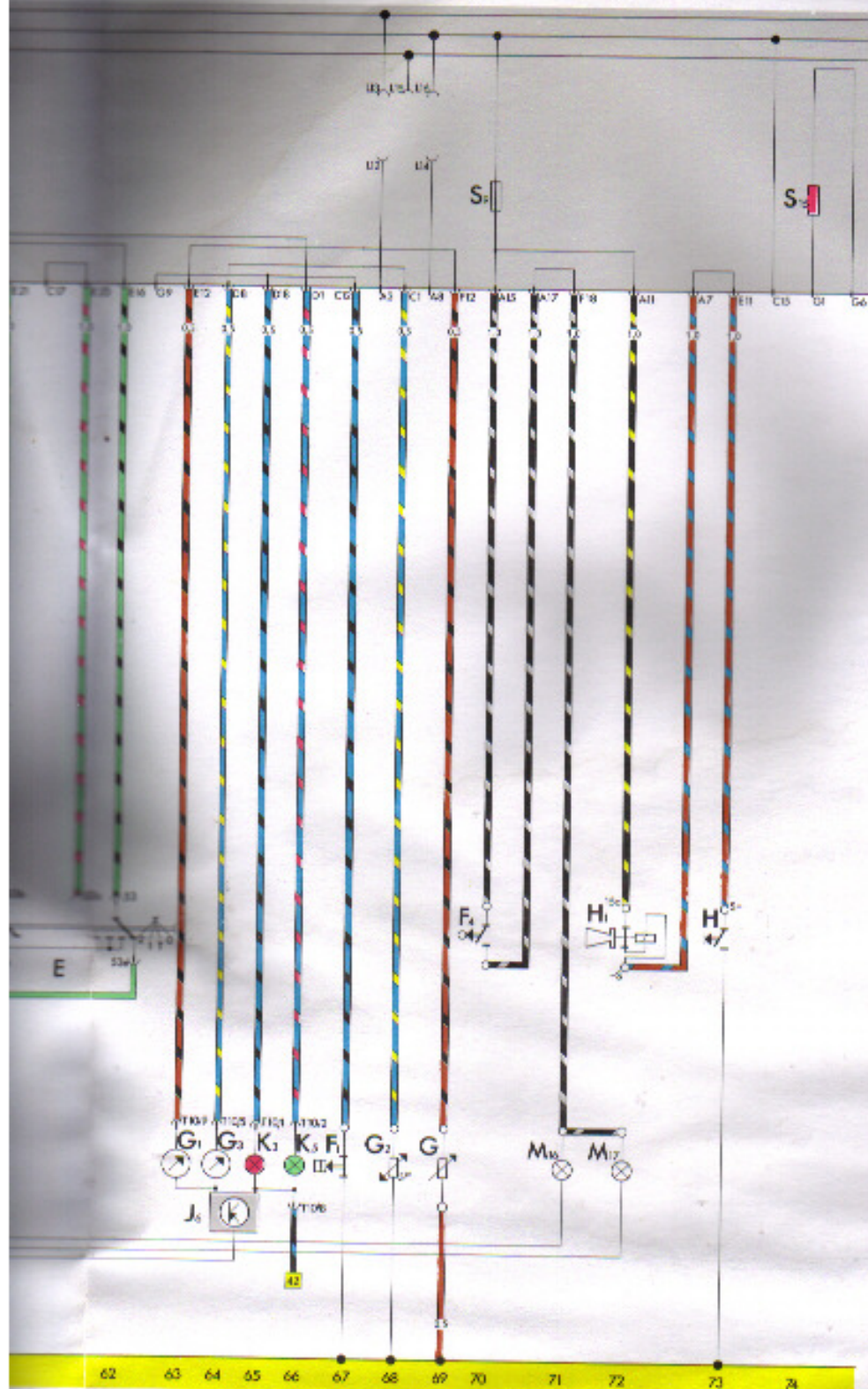
E<sub>3</sub>



E

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cor





E

The grey area at the top of the diagram represents the relay plate and fusebox. The letters and figures by the connections give the positions of the wires in the multi-point or single connectors e.g. D 12 – multi-point connector D, contact 121..





# Designation

A	— Battery
B	— Starter
C	— Alternator
C 1	— Voltage regulator
D	— Ignition/starter switch
E 1	— Light switch
E 4	— Headlight dip and flasher switch
F	— Brake light switch
F 2	— Door contact switch, front, left
F 3	— Door contact switch, side door
F 7	— Door contact switch, rear door
G 24	— Tachograph
J	— Headlight dip and flasher relay
J 52	— Glow plug relay
J 53	— Starter relay
K 1	— High beam warning lamp
K 2	— Alternator warning lamp
L 1	— Twin filament bulb, left headlight
L 2	— Twin filament bulb, right headlight
L 10	— Instrument panel insert bulb
M 1	— Side light bulb, left
M 2	— Tail light bulb, right
M 3	— Side light bulb, right
M 4	— Tail light bulb, left
M 9	— Brake light bulb, left
M 10	— Brake light bulb, right
Q 6	— Glow plugs
S 1 to S 4	
S 6, S 7, S 12	— Fuses in fusebox
to S 14	
T	— Flat connector
T	— Plug adaptor
T 2	— Connector, two-point, in rear door
T 4	— Connector, four-point, on control motor for injection pump
T 10	— Connector, ten-point, on instrument panel insert
V 16	— Control motor for injection pump
W	— Interior light, front
W 1	— Interior light, rear
X	— License plate light

- ① — Earthing strap, battery/body  
 ② — Earthing strap, alternator/engine  
 ③ — Earthing strap, gearbox/chassis  
 ④ — Earthing point, instrument panel insert

## in current track

2  
 3  
 1  
 1  
 7-11  
 19, 20  
 34  
 40  
 25  
 24  
 22  
 27  
 34-38  
 10, 12  
 5, 6  
 39  
 16  
 35, 37  
 36, 38  
 18-20  
 30  
 29  
 28  
 31  
 41  
 40  
 13-17

1, 28

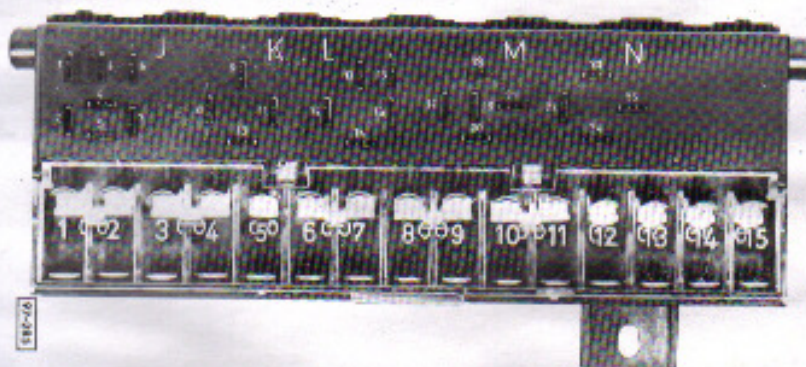
13-15

4-6

26

24

32, 33





# **ADDITIONAL CURRENT FLOW DIAGRAM – FOG LIGHTS AND REAR FOG LIGHT**

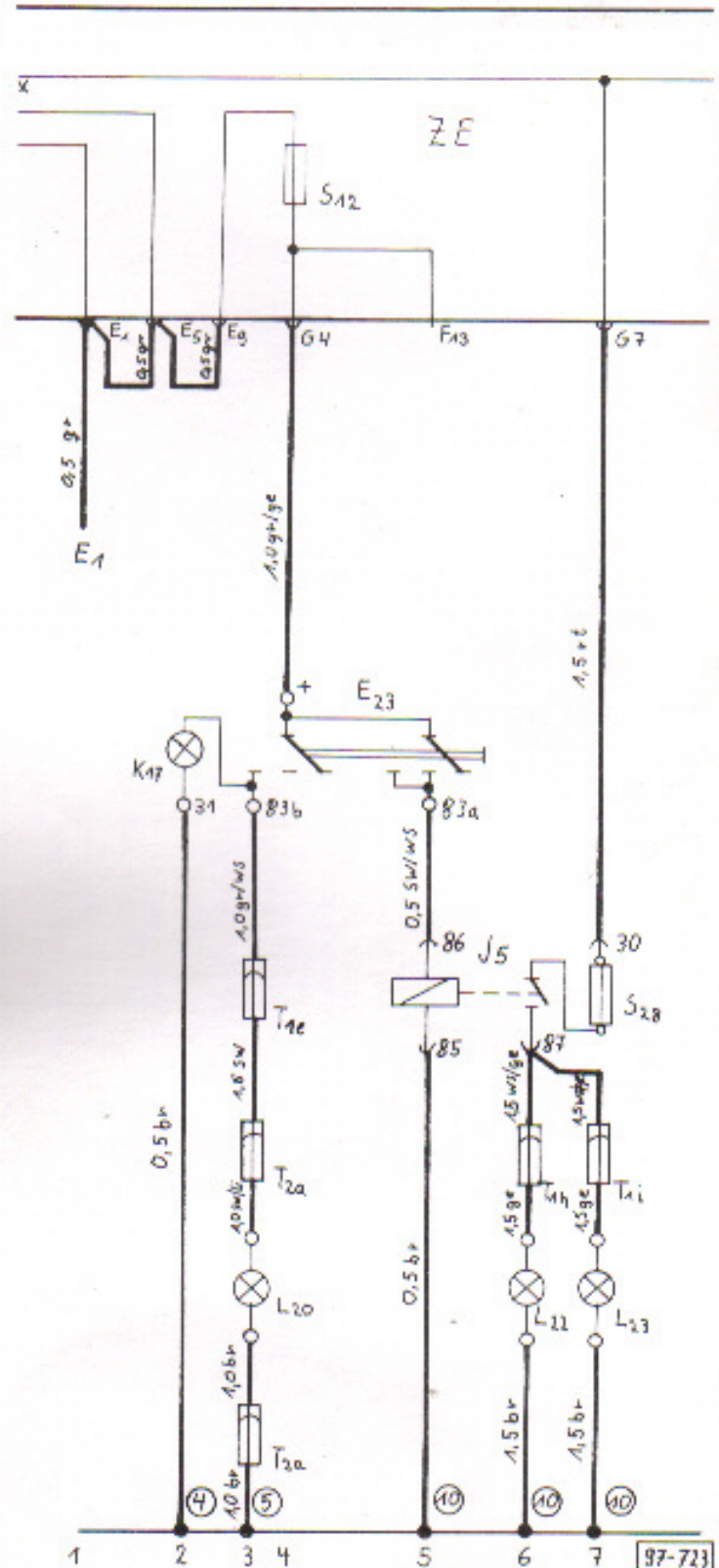
Introduced from Chassis No. 28A . . . . .

From 01.02.80 it is permissible in the Federal Republic of Germany, to operate the fog lights in conjunction with the headlight main beams. In other countries, attention must be paid to the applicable regulations.

Designation	in current track
E 1 – From lighting switch, terminal 58	1
E 23 – Fog light/rear fog light switch	2–5
J 5 – Fog light relay	5–7
K 17 – Rear fog light warning lamp (yellow)	2
L 20 – Rear fog light bulb	3
L 22 – Fog light, left	6
L 23 – Fog light, right	7
S 12 – Fuse in fuse box	7
S 28 – Fog light fuse (8 Amp.)	7
T 1e – Connector, single, behind instrument panel	3
T 1h – Connector, single, behind the air intake trim	6
T 1j – Connector, single, behind air intake trim	7
T 2a – Connector, two point, behind apron	3
X – To relief relay for X contact	
ZE – Relay plate with fuse box	
④ – Earthing point on instrument panel insert	
③ – Earthing point on apron/longitudinal member	
⑩ – Earthing point behind instrument panel	

## **Wire colours**

br	– brown
ws	– white
sw	– black
gr	– grey
ge	– yellow
rt	– red
li	– lilac





# Workshop Bulletin. LT

File in booklet: Current Flow Diagrams

Page to be marked:

No. **6**

of

4/1982

**Note:**

When the current flow diagram No. 11 been filed, this page should be inserted in place of index from Workshop Bulletin No. 5.

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- Additional current flow diagram, headlight washer system, from May 1975 2

**1976, 1977, 1978 Model Year**

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- Additional current flow diagram, headlight washer system, from May 1975 2
- Current flow diagram LT — Diesel (4 cylinder), from January 1976 3

**1979 Model Year**

- Current flow diagram LT, from May 1975 1
- Additional current flow diagram, headlight washer system, from May 1975 2
- Current flow diagram LT — Diesel (4 cylinder), from January 1976 3
- Current flow diagram LT — Diesel (6 cylinder), from October 1978 4

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00.594.101.20

**1980 Model Year**

- Additional current flow diagram for fog lights and rear fog light, from February 1980 5
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## 1981, 1982 Model Year

— Additional current flow diagram for fog lights and rear fog light, from February 1980	5	Workshop Bulletin No. 2 0.00.594.102.20
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— Additional current flow diagram, dual circuit brake and handbrake warning lamp, from August 1979	11	Workshop Bulletin No. 6 000.5941.06.20



# **ADDITIONAL CURRENT FLOW DIAGRAM – REAR FOG LIGHT**

Introduced from Chassis No. 28A . . . . .

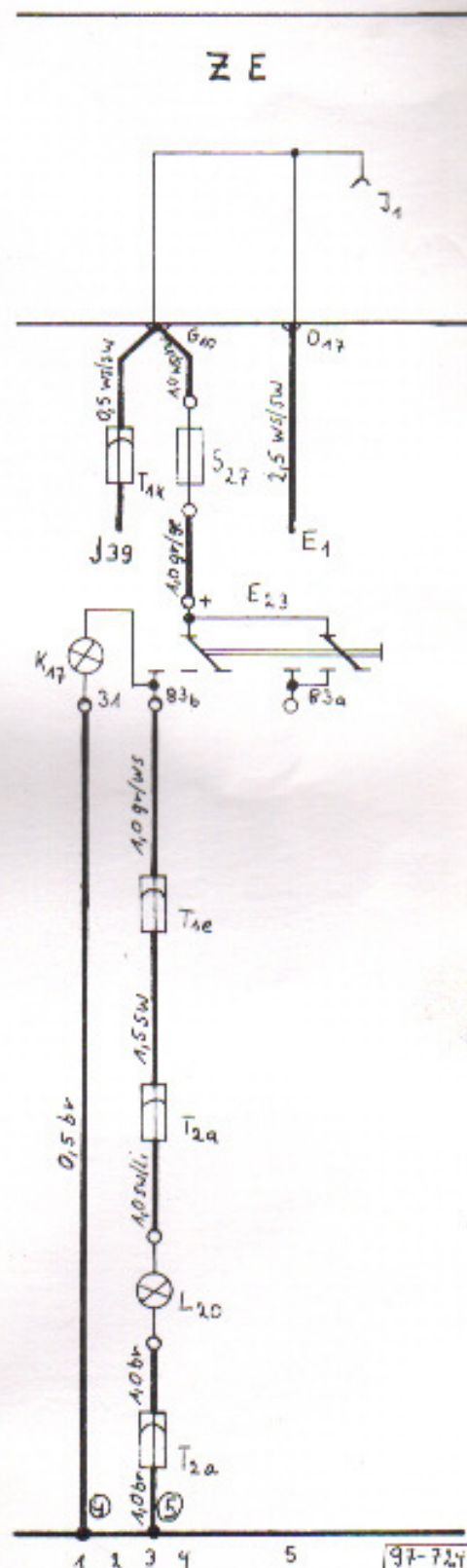
The rear fog light can only be switched on in conjunction with the headlights (dipped or main beam).

Designation	in current track
E 1 – To lighting switch, terminal 56	5
E 23 – Rear fog light switch	1-5
J 39 – Headlight washer system relay	2
K 17 – Rear fog light warning lamp (yellow)	1
L 20 – Rear fog light bulb	4
S 27 – Fuse for rear fog light (8 Amp.)	4
T 1e – Connector, single, behind instrument panel	3
T 1k – Connector, single, behind instrument panel	2
T 2a – Connector, two point, behind apron	3
ZE – Relay plate with fuse box	

- ④ – Earthing point on instrument panel insert
- ⑤ – Earthing point on apron/longitudinal member

## **Wire colours**

br	– brown
ws	– white
ge	– yellow
sw	– black
gr	– grey
rt	– red
li	– lilac





# Kretsschema VW LT diesel

(6-cylindrig)

1981 års modell



Benämning

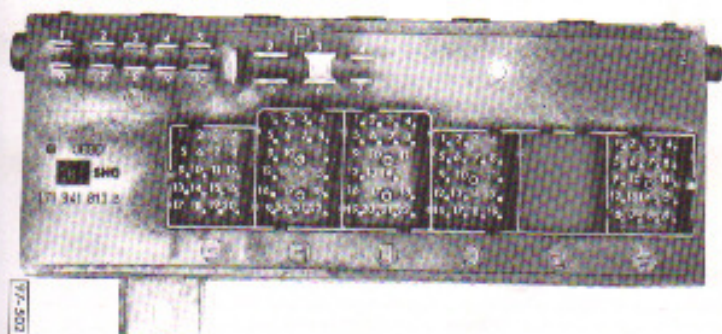
E 1	— ljusströmställare
E 4	— kontakt för handavbländning och ljusstuta
E 9	— omkopplare för friskluftfläkt
E 22	— vindrutetorkaromkopplare för intervalldrift
F	— bromsljuskontakt
F 2	— dörrkontakt vänster fram
F 7	— dörrkontakt bak (för skjutdörren)
F 11	— dörrkontakt höger bak
J 31	— relä för spolartorkarintervallautomatik
J 59	— avlastningsrelä (för X-kontakten)
K 1	— kontrollampa för helljus
L 1	— tvåtrådsampa för vänster strålkastare
L 2	— tvåtrådsampa för höger strålkastare
L 9	— lampa för belysning till ljusströmställare
L 10	— lampa för belysning för instrumentpanelsinsats
L 16	— lampa för belysning till friskluftsreglage
M 1	— lampa för vänster positionsljus
M 2	— lampa för höger bakljus
M 3	— lampa för höger positionsljus
M 4	— lampa för vänster bakljus
M 9	— lampa för vänster bromsljus
M 10	— lampa för höger bromsljus
N 23	— forkopplingsmotstånd för friskluftfläkt
S 1—S 4, S 6, S 7, S 10—S 14	— säkringar i säkringshållaren
T 1c	— stickförbindning enpolig, i bakkörren
T 1d	— stickförbindning, enpolig i bakkörren
T 1e	— stickförbindning, enpolig bakom instrumentpanelen
T 4	— stickförbindning, fyrapolig bakom instrumentpanelen
T 12/	— stickförbindning, tolvpolig på instrumentpanelsinsatsen
V —	— vindrutetorkarmotor
V 2	— friskluftfläkt
V 5	— vindrutespolarpump
W	— innerbelysning fram
W 1	— innerbelysning bak/i lastutrymmet (endast Skåp)
X	— nummerbelysning (endast Skåp)

①  
②  
③  
④  
⑤  
⑥

- godsanslutningspunkt, på instrumentpanelsinsatsen
- godsanslutningspunkt, bakom instrumentpanelen
- godsanslutningspunkt, under instrumentpanelen i närheten av det centrala elsystemet
- godsanslutningspunkt, till vänster på taktvärbalken
- godsanslutningspunkt, på taktvärbalken i passagerarutrymmet
- godsanslutningspunkt, på längdbalken bak till vänster
- godsanslutningspunkt, på längdbalken bak till höger

I strömbana

61—63
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79
80
85—87
59, 60
78
74, 76
75, 77
59
62—64
65
69
70
71
68
54
55
56
84, 85
58
89
82
80
66, 67

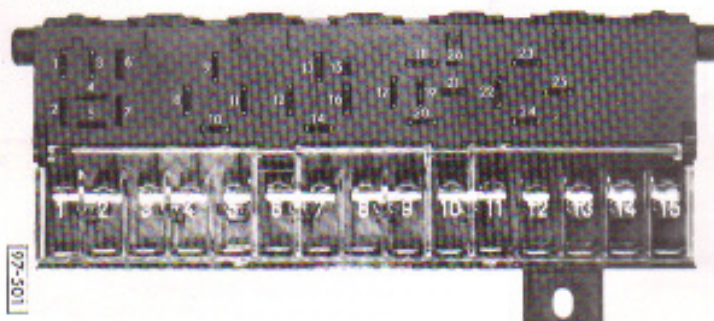




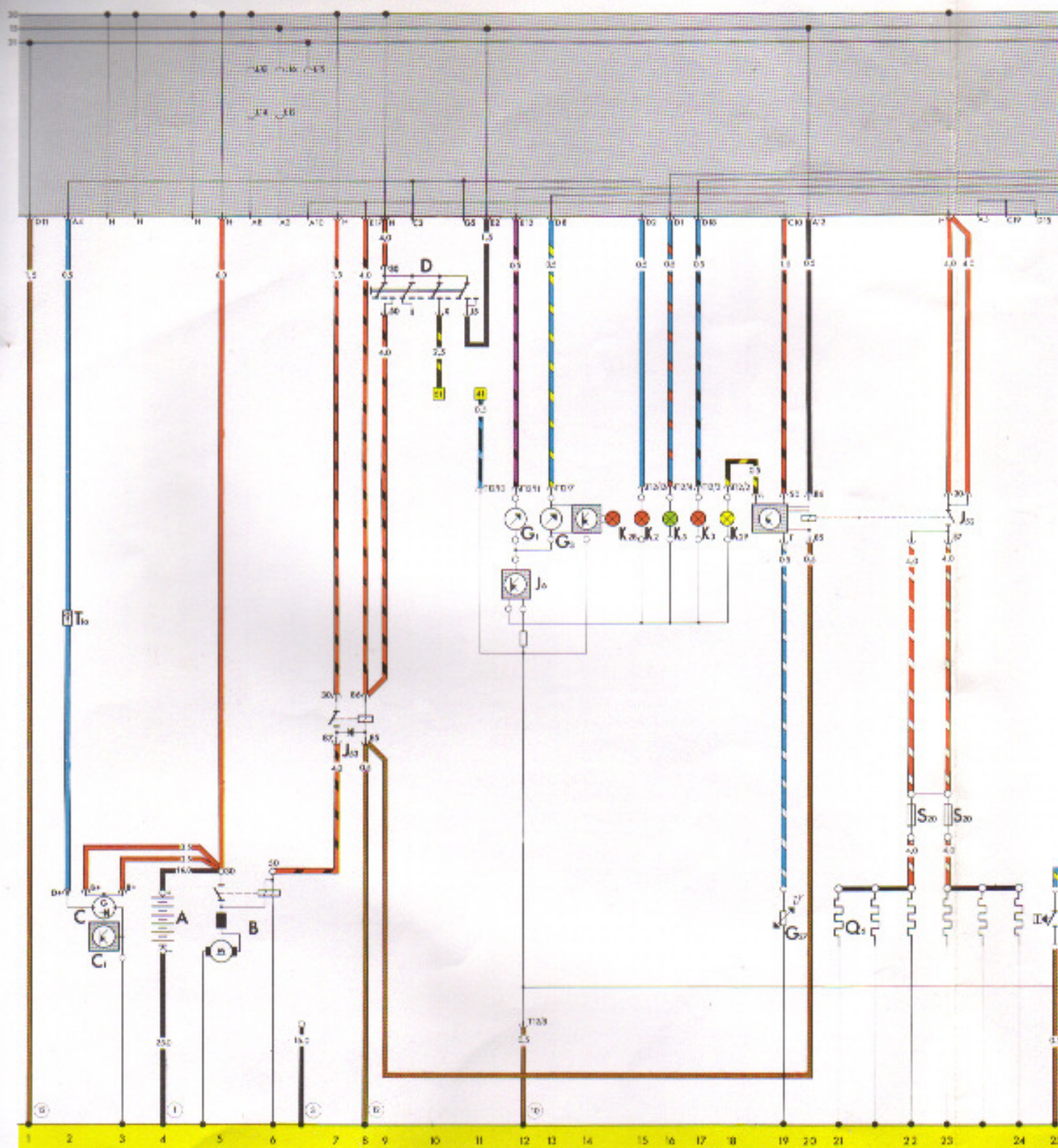
## Benämning

## i strömbana

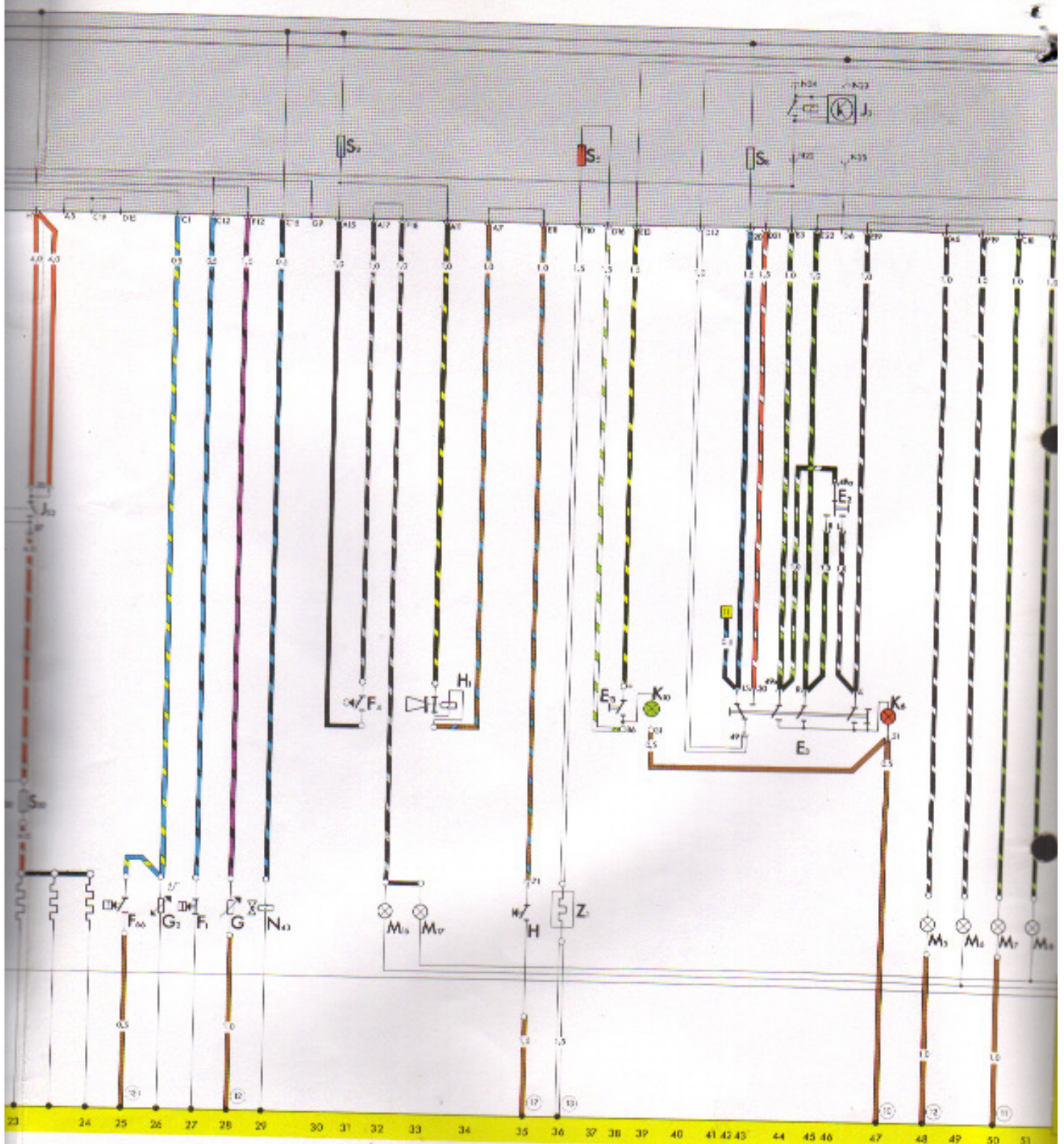
A	— batteri	4
B	— startmotor	5, 6
C	— generator	2, 3
C 1	— spänningsregulator	2, 3
D	— starttändkontakt	9 — 11
E 2	— blinkvisaromkopplare	45, 46
E 3	— strömställare för varningsblinkljus	43 — 47
E 15	— strömställare för uppvärmbar bakruta	37 — 39
F 1	— oljetrykksvakt	27
F 4	— kontakt för backstrålkastare	31
F 66	— kontakt för kylvätskeförustindikering	25
G	— givare för bränslemätare	28
G 1	— bränslemätare	12
G 2	— givare för kylvätsketemperaturindikering	26
G 3	— kylvätsketermometer	13
G 27	— givare för motortemperatur (förglödningssystem)	19
H	— signalhornsmanövrering	35
H 1	— signalhorn	33
J 2	— varnblinkdon	44 — 46
J 6	— spänningsstabilisator	12
J 52	— relä för glödstift	20 — 23
J 53	— relä för startmotor	7 — 9
K 2	— kontrollampa för generator	15
K 3	— kontrollampa för oljetryck	17
K 5	— kontrollampa för blinkljus	16
K 6	— kontrollampa för varningsblinkvisare	47
K 10	— kontrollampa för uppvärmbar bakruta	39
K 28	— kontrollampa för kylvätsketemperatur	14
K 29	— kontrollampa för förglödningstid	18
M 5	— lampa för blinkljus vänster fram	48
M 6	— lampa för blinkljus vänster bak	49
M 7	— lampa för blinkljus höger fram	50
M 8	— lampa för blinkljus höger bak	51
M 16	— lampa för vänster backstrålkastare	32
M 17	— lampa för höger backstrålkastare	33
N 43	— elektromagnetisk avstängningsanordning	29
Q 6	— glödstift	21 — 24
S 5, S 8, S 9	— säkringar i säkringshållaren	
S 20	— lamellsäkringar (varje säkring är på 50 A) för glödstiften (i motorrummet)	
T 1 a	— stickförbindning, enpolig i motorrummet (i närheten av startmotorn)	
T 12	— stickförbindning, tolvpolig på instrumentpanelsinsatsen	
Z 1	— uppvärmbar bakruta	36
①	— godsflata för batteri	
②	— godsflata från motor till kaross	
③	— godsanslutningspunkt, på instrumentpanelsinsatsen	
④	— godsanslutningspunkt, bakom instrumentpanelen	
⑤	— godsanslutningspunkt, under instrumentpanelen i närheten av det centrala elsystemet	
⑥	— godsanslutningspunkt, i motorrummet	
⑦	— godsanslutningspunkt, vid styrväxeln	







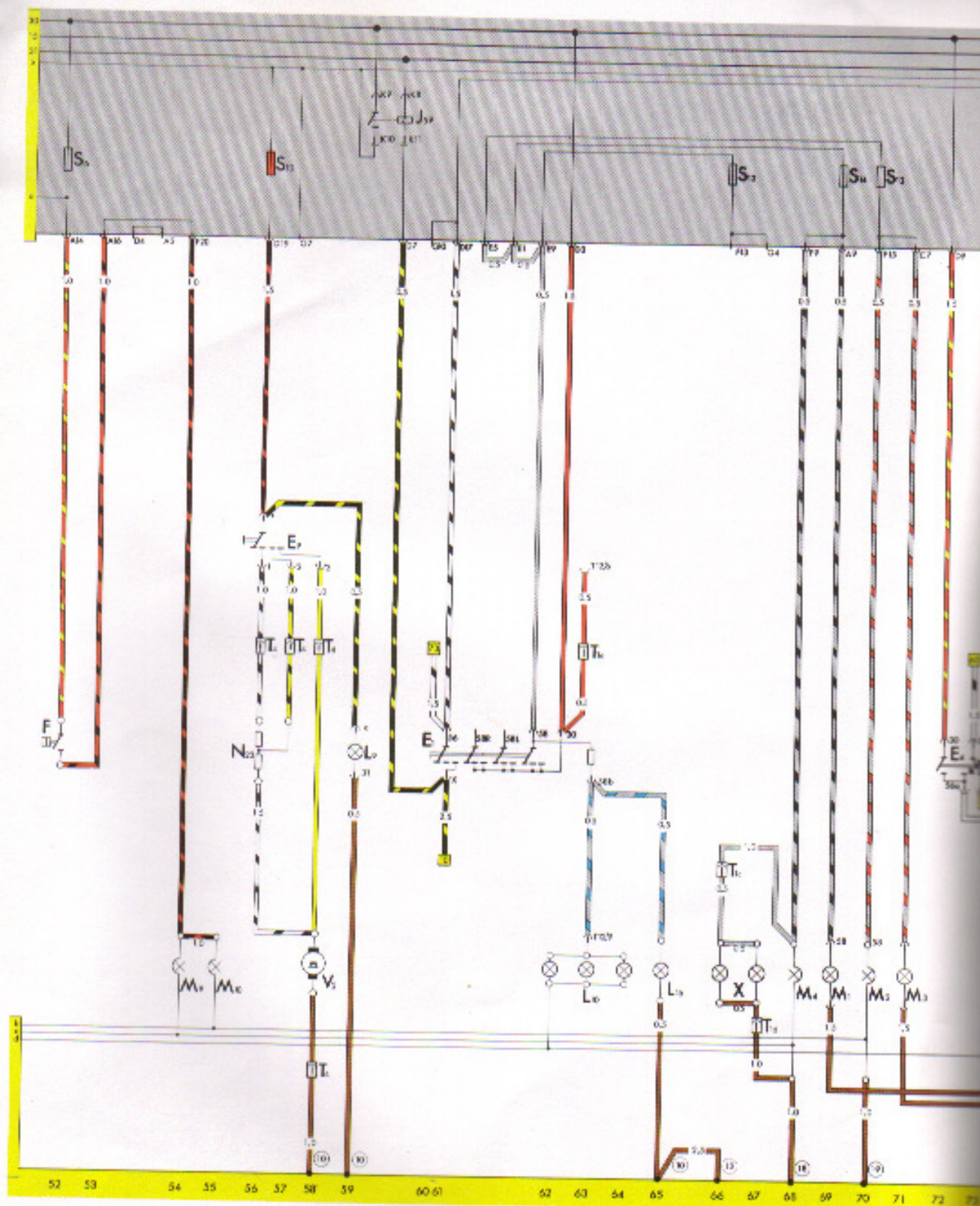




Det grå fältet upptill på kretsschemat markerar reläplattan med säkringshållare. Bokstavs- och sifferkombinationen vid anslutningarna anger ledningsbeläggningen i flerpoliga resp. enpoliga stickförbindningar (t.ex. D 11 — flerpolig stickförbindning D, kontakt 11).

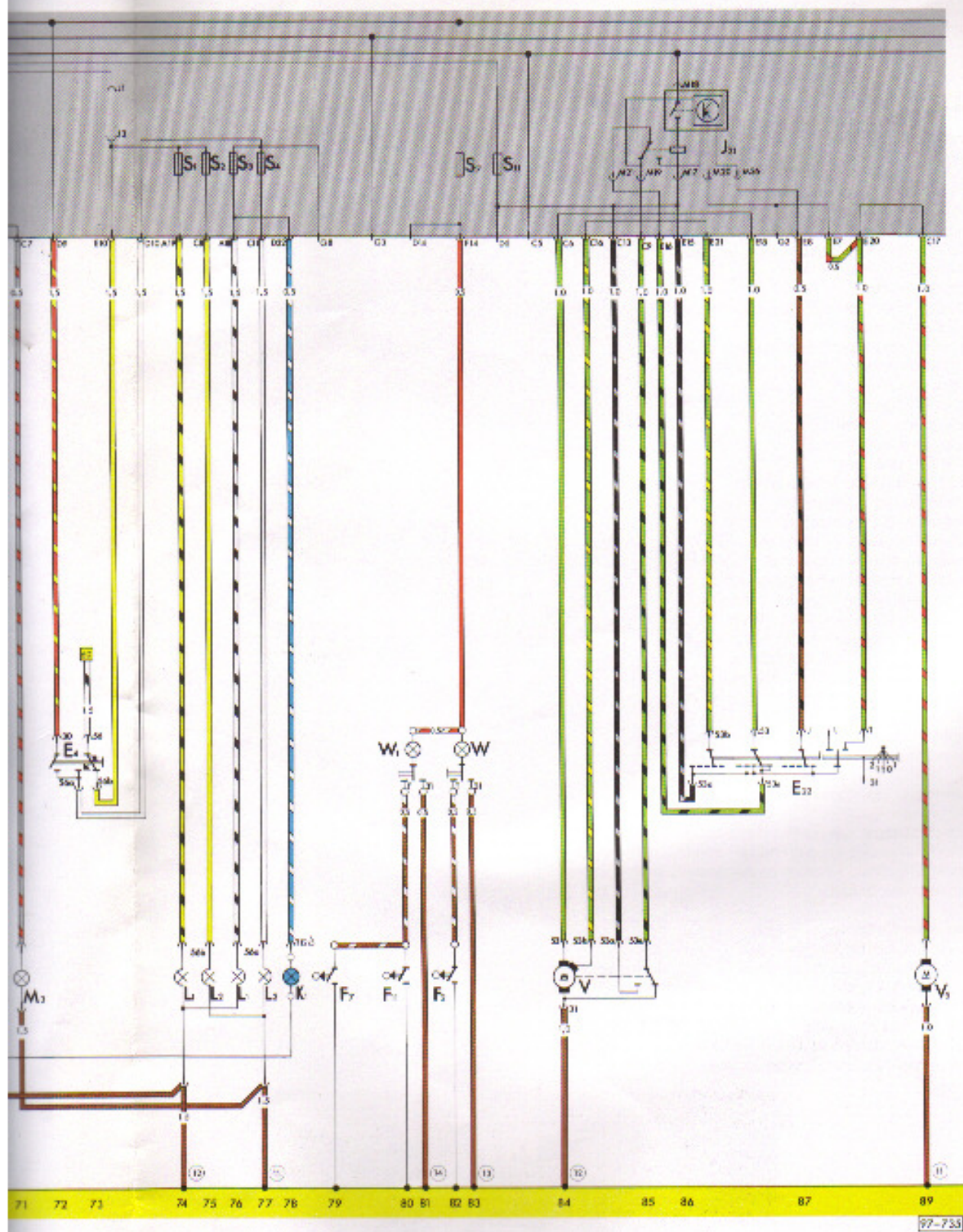


LT diesel (6-cylindrig), fr. o. m. augusti 1980



Det grå fältet upptill på kretschemat markerar reläplattan med säkringshållare. Bokstavs- och sifferkombinationen vid anslutningarna anger ledningsbeläggningen i flerpolig resp. enpoliga stickförbindningar (t. ex. D 7 – flerpolig stickförbindning D, kontakt 7).



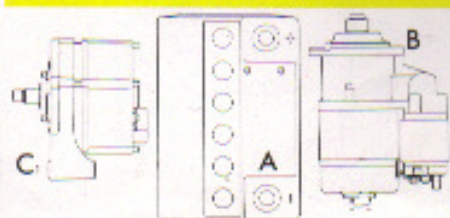
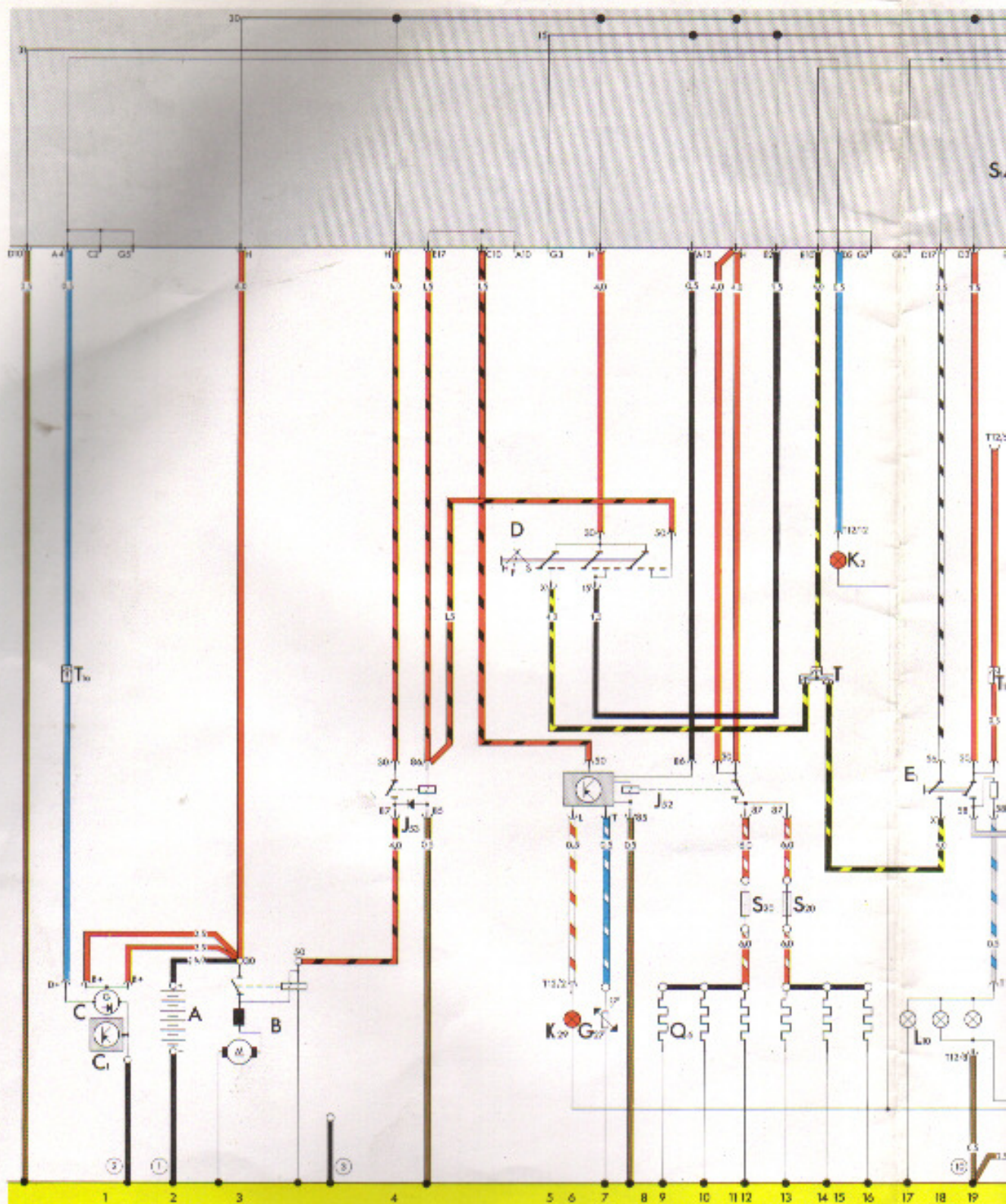




**Current Flow Diagram**  
**LT Diesel**  
(6 cylinder)

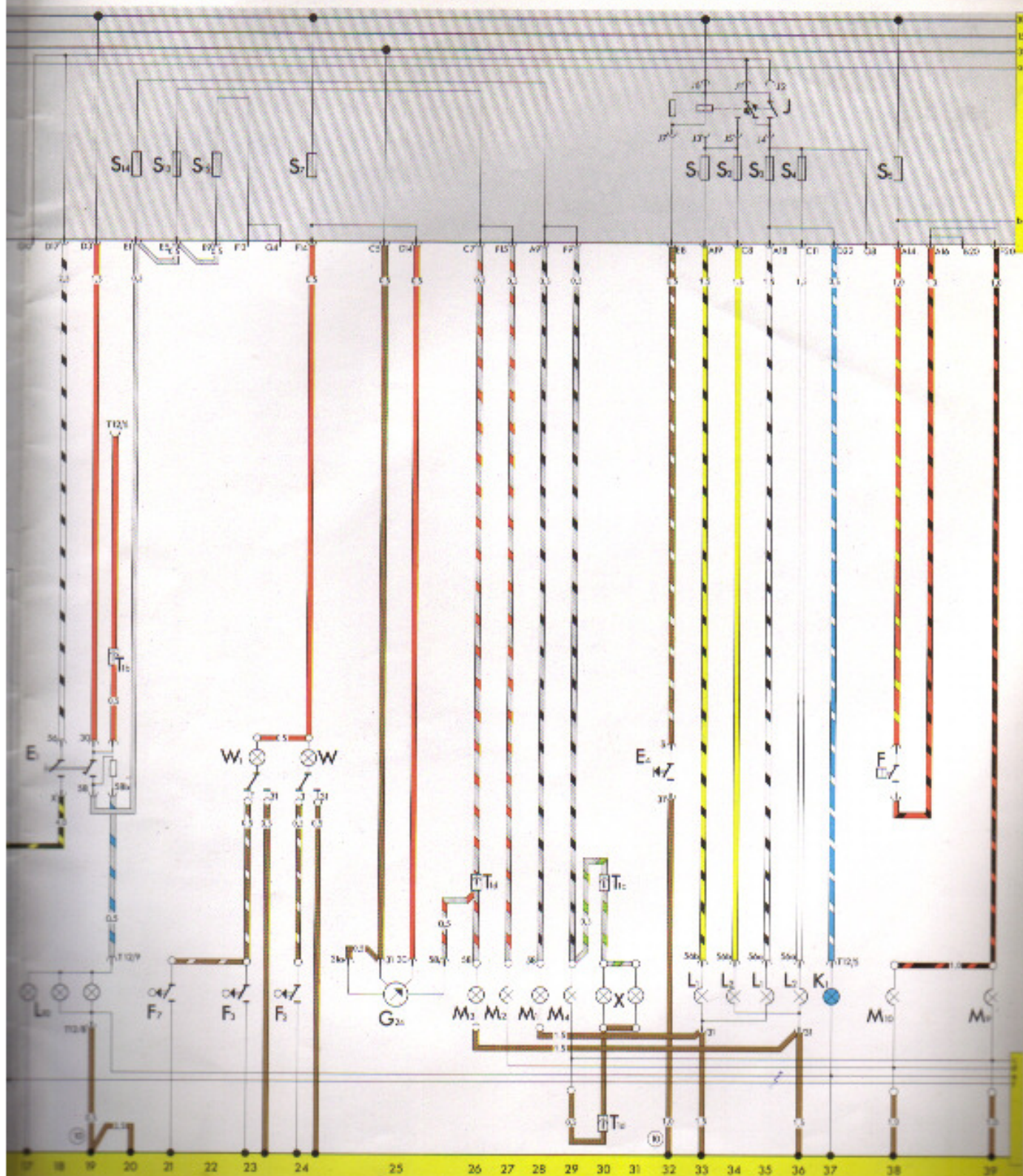
from October 1978







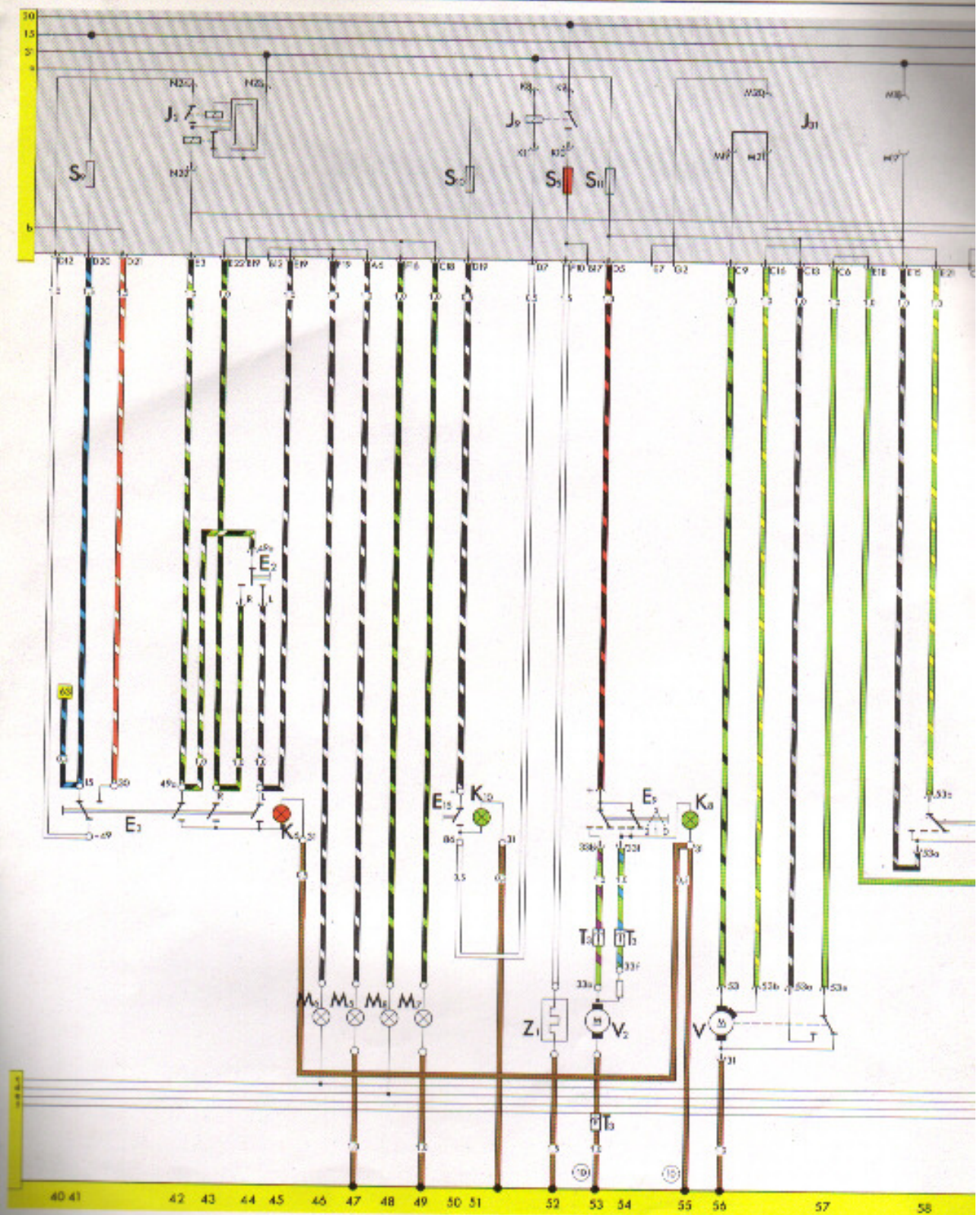
**LT Diesel (6 cylinder), from October 1978**



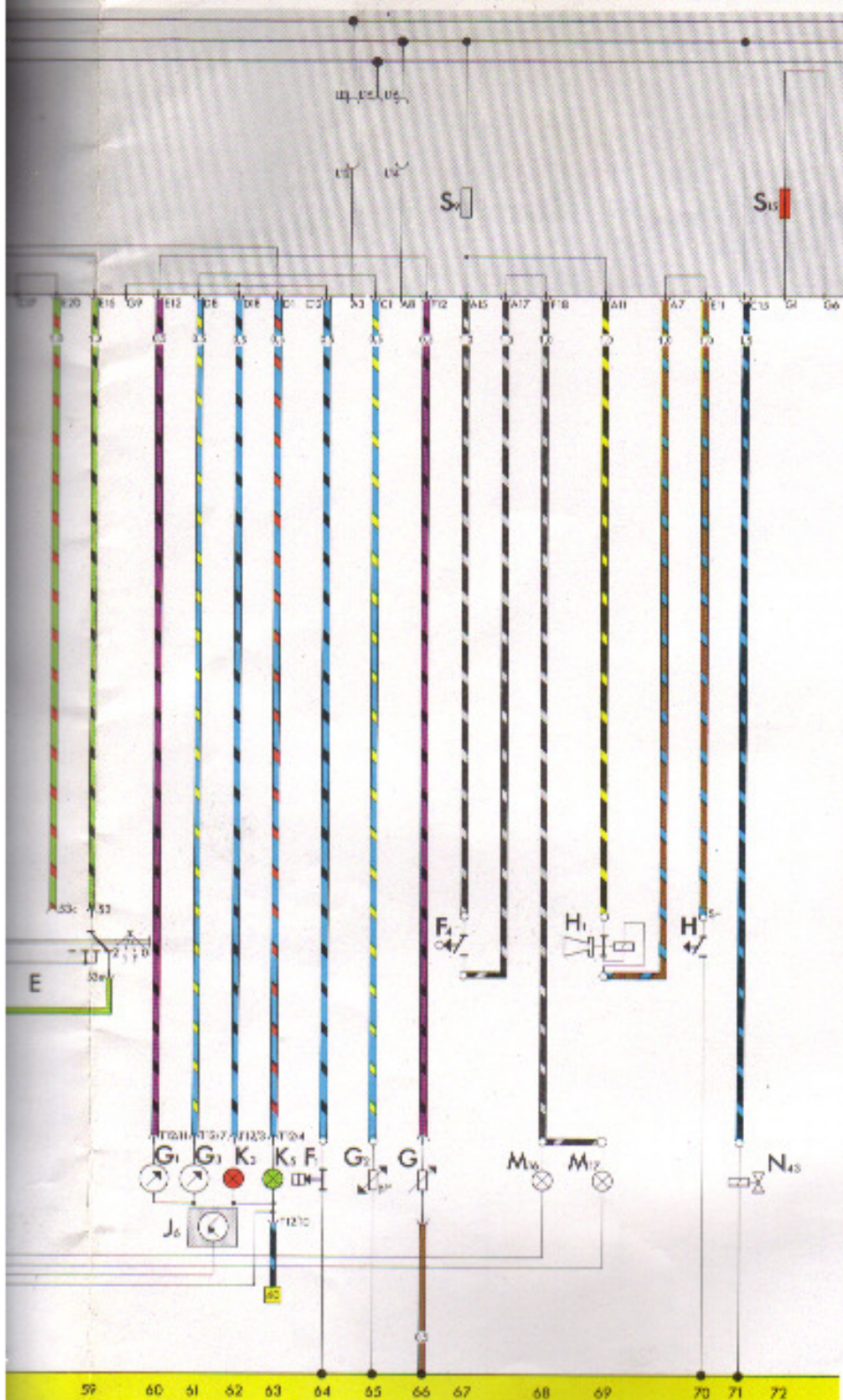
The grey portion at the top of the diagram indicates the relay plate and fuse box. The letters and figures by the connections give the positions of the wiring in the connectors. (e.g. D 10 – multi-pin connector D, contact 10).



# LT Diesel (6 cylinder) from October 1978







The grey portion at the top of the diagram indicates the relay plate and fuse box. The letters and figures by the connections give the positions of the wiring in the connectors. (e.g. D 12 – multi-pin connector D, contact 12).



97-360



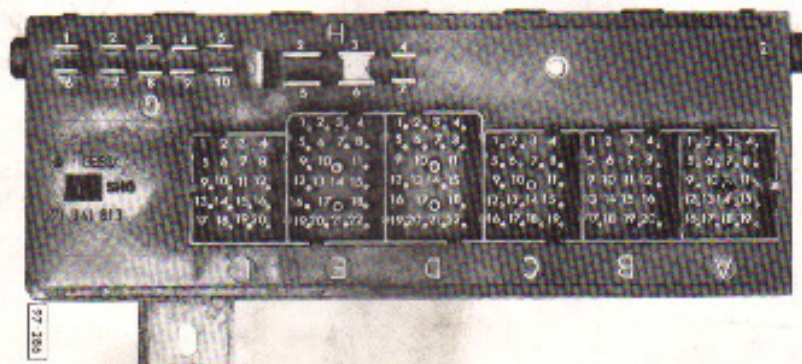
## Designation

E	—	Windscreen wiper switch
E 2	—	Turn signal switch
E 3	—	Emergency light switch
E 9	—	Blower motor switch
E 15	—	Heated rear window switch
F 1	—	Oil pressure switch
F 4	—	Reversing light switch
G	—	Fuel gauge sender unit
G 1	—	Fuel gauge
G 2	—	Coolant temperature sender unit
G 3	—	Coolant temperature gauge
H	—	Horn button
H 1	—	Horn
J 2	—	Emergency light relay
J 6	—	Voltage stabilizer
J 9	—	Heated rear window relay
J 31	—	Reserved for wash/wipe intermittent relay
K 3	—	Oil pressure warning lamp
K 5	—	Turn signal warning lamp
K 6	—	Emergency light warning lamp
K 8	—	Fresh air blower warning lamp
K 10	—	Heated rear window warning lamp
M 5	—	Bulb, front left hand turn signal
M 6	—	Bulb, rear left hand turn signal
M 7	—	Bulb, front right hand turn signal
M 8	—	Bulb, rear right hand turn signal
M 16	—	Bulb, reversing light, left
M 17	—	Bulb, reversing light, right
N 43	—	Electro magnetic fuel cut-off
S 5, S 8,	}	Fuses in fuse box
S 9, S 10,		
S 11, S 15		
T 3	—	Connector, three-point, behind instrument panel
T 12	—	Connector, twelve point, on instrument panel insert
V	—	Windscreen wiper motor
V 2	—	Blower motor
Z 1	—	Heated rear window

⊕ — Earth point, instrument panel insert

## in current track

58, 59
44
41, 42, 43, 44
53, 54
50
64
67
66
60
65
61
70
69
42, 43
61
52
56, 57, 58
62
63
45
55
51
47
46
49
48
68
69
71
56, 57
53, 54
52



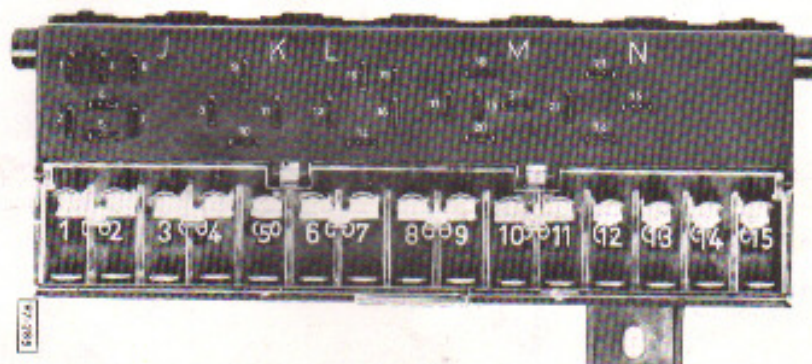


## Designation

A	— Battery
B	— Starter
C	— Alternator
C 1	— Voltage regulator
D	— Ignition/starter switch
E 1	— Lighting switch
E 4	— Headlight dimmer and flasher switch
F	— Brake light switch
F 2	— Door contact switch, left
F 3	— Door contact switch, right
F 7	— Door contact switch, rear door
G 24	— Tachograph
G 27	— Engine temperature sender unit
J	— Headlight dimmer and flasher relay
J 52	— Glow plug relay
J 53	— Starter relay
K 1	— High beam warning lamp
K 2	— Generator warning lamp
K 29	— Glow plug warning lamp
L 1	— Two filament bulb, left hand headlight
L 2	— Two filament bulb, right hand headlight
L 10	— Instrument panel insert bulb
M 1	— Left hand side light bulb
M 2	— Right hand taillight bulb
M 3	— Right hand side light bulb
M 4	— Left hand taillight bulb
M 9	— Left hand brake light bulb
M 10	— Right hand brake light bulb
Q 6	— Glow plug
S 1 — S 4, S 6, S 7 S 12 — S 14	} — Fuses in fusebox
S 20	
T	
T 1a	
T 1b	— Connector — single, behind instrument panel
T 1c	— Connector — single, in rear door
T 1d	— Connector — single, behind instrument panel
T 12	— Connector, 12 point, on instrument panel insert
W	— Interior light, front
W 1	— Interior light, rear (delivery van only)
X	— License plate light (delivery van only)
①	— Earthing strap, battery — body
②	— Earthing strap, generator — engine
③	— Earthing strap, gearbox — chassis
④	— Earth point, instrument panel insert

## in current track

2
3
1
1
5, 7, 8
18, 19
32
38
24
23
21
25
7
32, 33, 34, 35
6, 7, 11
4
37
15
6
33, 35
34, 36
17, 18, 19
28
27
26
29
39
38
9, 10, 12, 13, 14, 16
12, 13
24
23
30, 31



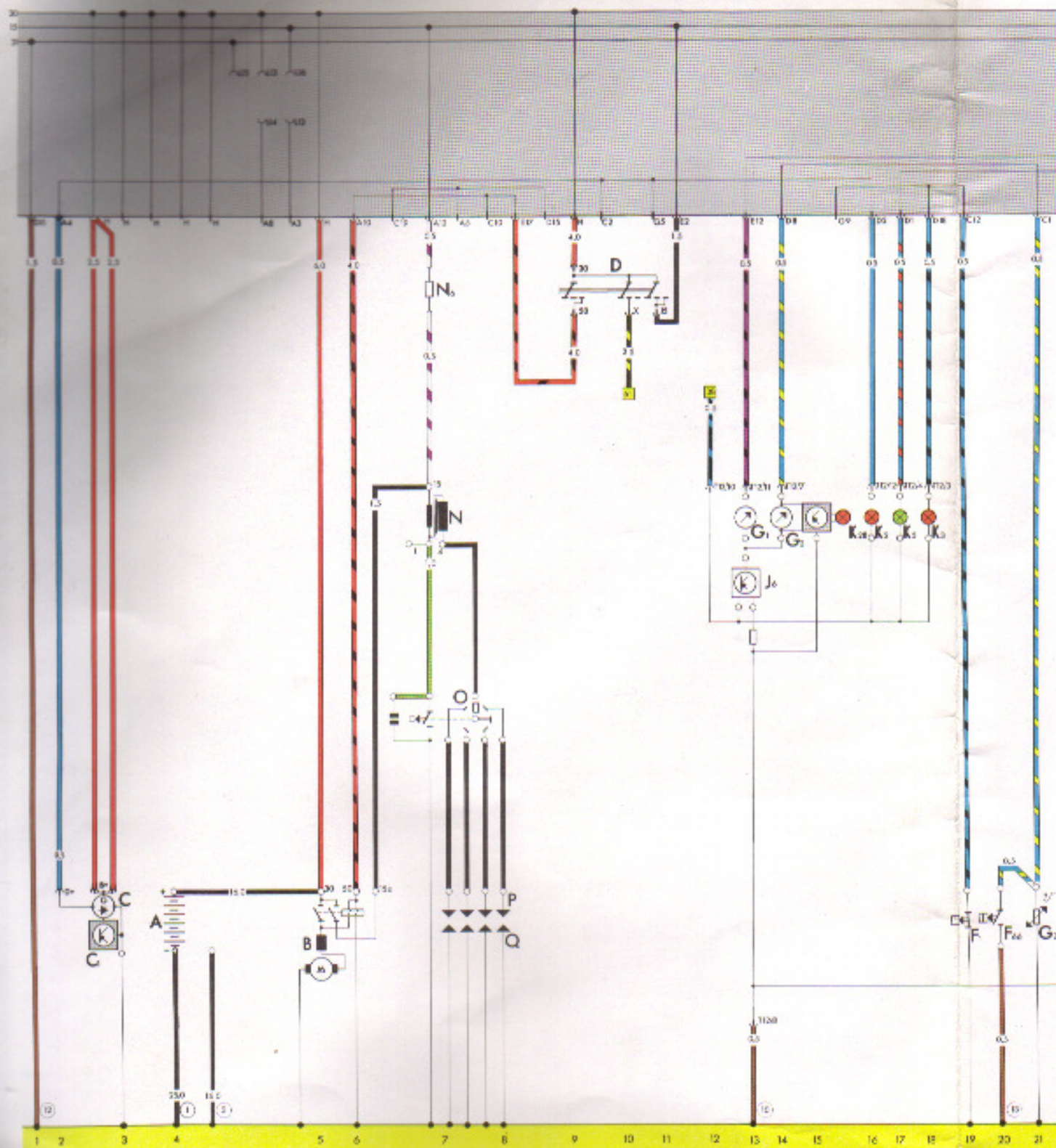


# **Current flow diagram VW LT Carburetor Engine**

(4 cylinder)

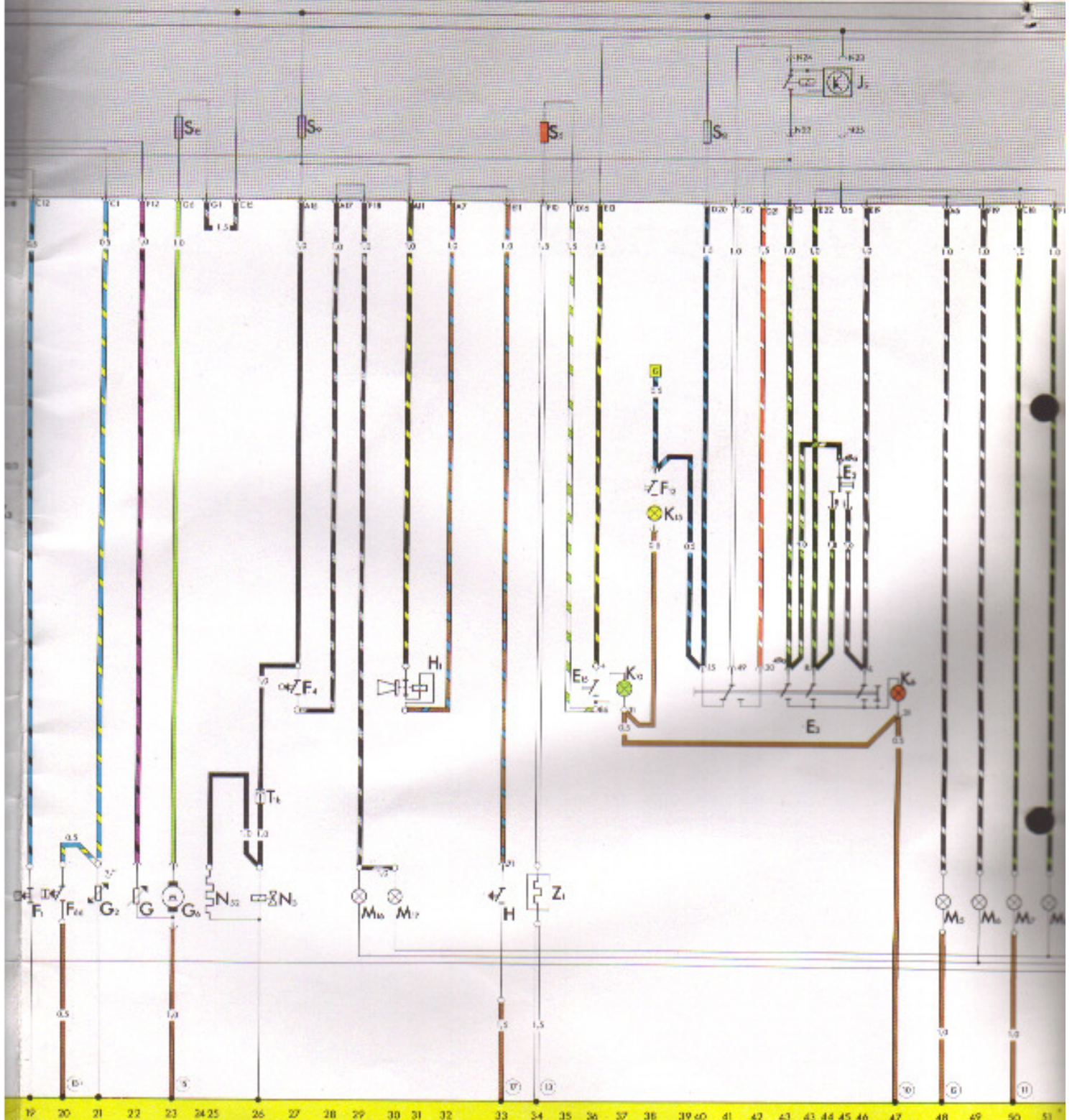
1981 Model Year







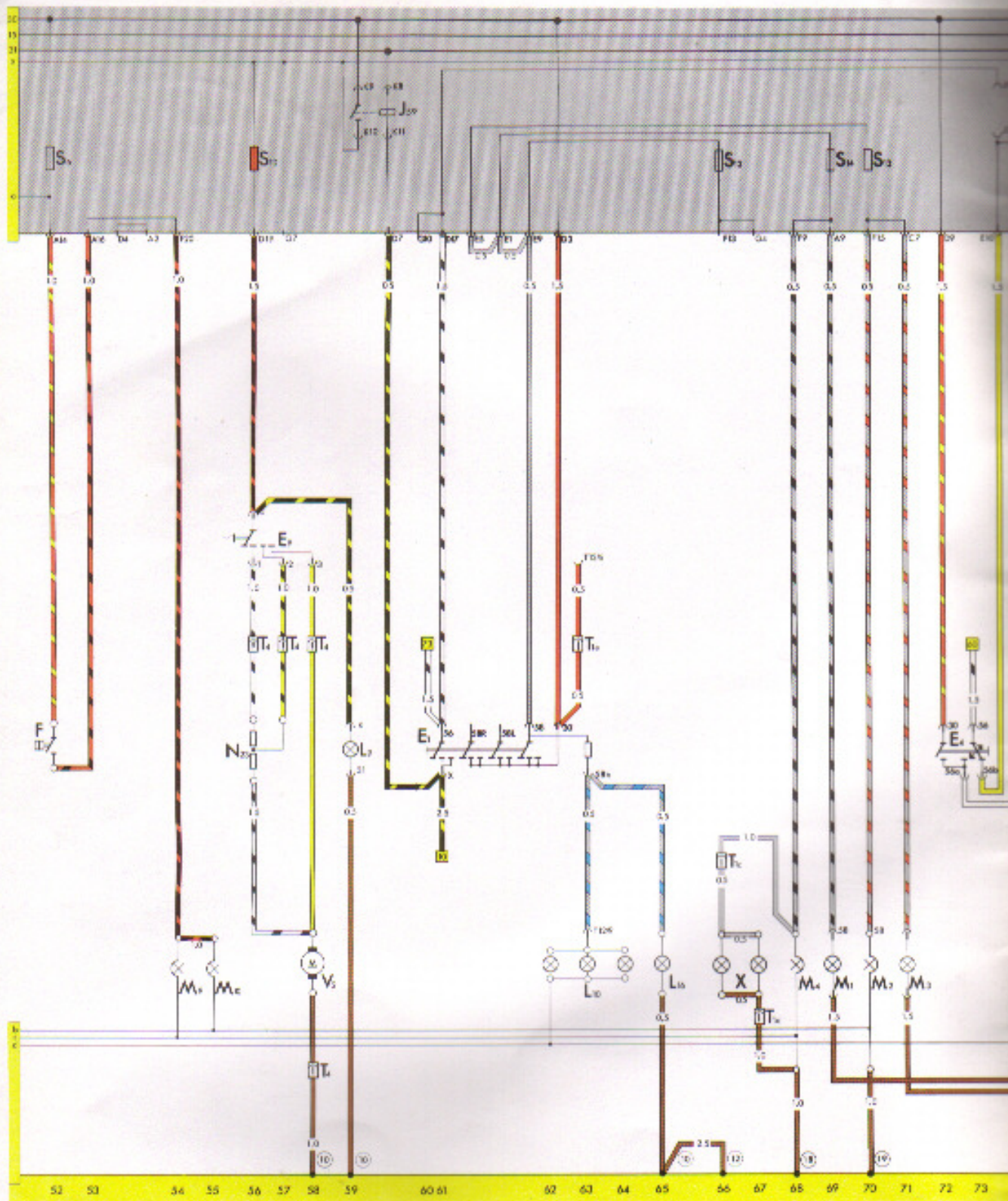
# LT Carburetor engine (4 cylinder), from August 1980



The grey area at the top of the diagram represents the relay plate and fusebox. The letters and figures by the connections give the positions of the wires in the multi-point or single connectors (e. g. D 11 — multi-point connector D, contact 11).



**LT Carburetor engine (4 cylinder), from August 1980**



The **grey area** at the top of the diagram represents the relay plate and fusebox. The letters and figures by the connections give the positions of the wires in the multi-point or single connectors (e.g. D 7 — multi-point connector D, contact 7).





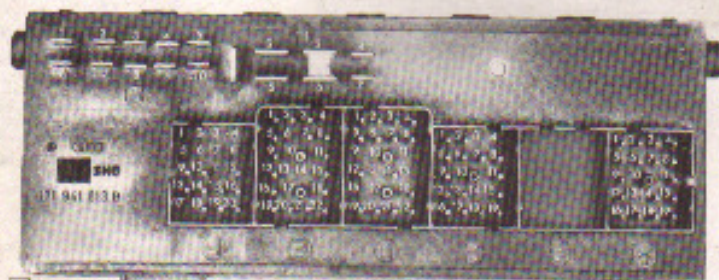


## Designation

E 1	— Lighting switch
E 4	— Headlight dimmer/flasher switch
E 9	— Fresh air blower switch
E 22	— Windscreen wiper switch for intermittent operation
F	— Brake light switch
F 2	— Door contact switch, front left
F 7	— Door contact switch, rear (sliding door)
F 11	— Door contact switch, rear right
J 31	— Wash/wipe intermittent relay
J 59	— Relief relay (for X contact)
K 1	— Main beam warning lamp
L 1	— Headlight, left
L 2	— Headlight, right
L 9	— Lighting switch light
L 10	— Instrument panel insert light
L 16	— Fresh air controls light
M 1	— Side light, left
M 2	— Tail light, right
M 3	— Side light, right
M 4	— Tail light, left
M 9	— Brake light, left
M 10	— Brake light, right
N 23	— Fresh air blower series resistance
S 1—S 4, S 6, S 7, S 10—S 14	— Fuses in fuse box
T 1c	— Connector, single, in rear door
T 1d	— Connector, single, in rear door
T 1e	— Connector, single, behind instrument panel
T 4	— Connector, 4 point, behind instrument panel
T 12/	— Connector, 12 point, on instrument panel
V	— Windscreen wiper motor
V 2	— Fresh air blower
V 5	— Windscreen washer pump
W	— Interior light, front
W 1	— Interior light, rear/load compartment (delivery van only)
X	— Number plate light (delivery van only)
Ⓢ	— Earthing point, instrument panel insert
Ⓣ	— Earthing point, behind instrument panel
Ⓤ	— Earthing point, underneath instrument panel
Ⓥ	— Earthing point, on roof cross member, left
Ⓦ	— Earthing point, on roof cross member, passenger compartment
Ⓧ	— Earthing point, on longitudinal member, rear left
Ⓨ	— Earthing point, on longitudinal member, rear right

## In current track

61—63  
72, 73  
56—58  
86, 87  
52  
82  
79  
80  
85—87  
59, 60  
78  
74, 76  
75, 77  
59  
62—64  
65  
69  
70  
71  
68  
54  
55  
56  
  
84, 85  
58  
89  
82  
80  
66, 67  
66, 67

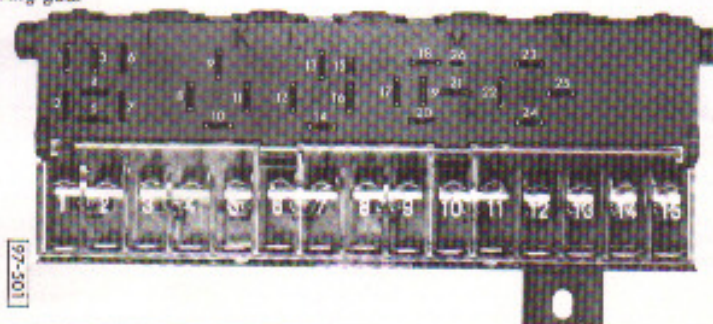




# Designation

## in current track

A	- Battery	4
B	- Starter	5, 6
C	- Generator	2, 3
C 1	- Voltage regulator	2, 3
D	- Ignition/starter switch	9-11
E 2	- Turn signal switch	44-46
E 3	- Emergency light switch	40-47
E 15	- Heated rear window switch	36, 37
F 1	- Oil pressure switch	19
F 4	- Reversing light switch	27
F 12	- Starting aid warning lamp contact	38
F 66	- Low level coolant indicator switch	20
G	- Fuel gauge sender	22
G 1	- Fuel gauge	13
G 2	- Coolant temperature sender	21
G 3	- Coolant temperature gauge	14
G 6	- Electric fuel pump	23
H	- Horn control	33
H 1	- Horn	30
J 2	- Emergency light relay	43, 44
J 6	- Voltage stabilizer	13
K 2	- Generator warning lamp	16
K 3	- Oil pressure warning lamp	18
K 5	- Turn signal warning lamp	17
K 6	- Emergency light warning lamp	47
K 10	- Heated rear window warning lamp	37
K 15	- Choke warning lamp	38
K 28	- Coolant temperature warning lamp	15
M 5	- Turn signal front left	48
M 6	- Turn signal rear left	49
M 7	- Turn signal front right	50
M 8	- Turn signal rear right	51
M 16	- Reversing light, left	29
M 17	- Reversing light, right	30
N	- Coil	7
N 3	- By-pass air cut-off valve	26
N 6	- Series resistance wire	7
N 52	- Heat resistance (part throttle channel heating - carburetor)	25
O	- Distributor	7, 8
P	- Spark plug connector	7, 8
Q	- Spark plugs	7, 8
S 5, S 8,	- Fuses in fuse box	34
S 9,		
S 15		
T 1b	- Connector, single, in engine compartment near carburetor	
T 12/	- Connector, 12 point, on instrument panel insert	
Z 1	- Heated rear window	
①	- Battery earthing strap	
②	- Earthing strap from engine to body	
③	- Earthing point, instrument panel insert	
④	- Earthing point, behind instrument panel	
⑤	- Earthing point, underneath instrument panel near fuse box	
⑥	- Earthing point, on rear door	
⑦	- Earthing point, at rear of longitudinal member	
⑧	- Earthing point, on steering gear	





## ADDITIONAL CURRENT FLOW DIAGRAM – FOG LIGHTS AND REAR FOG LIGHT Introduced from Chassis No.: 28 BH 012 343

### Designation

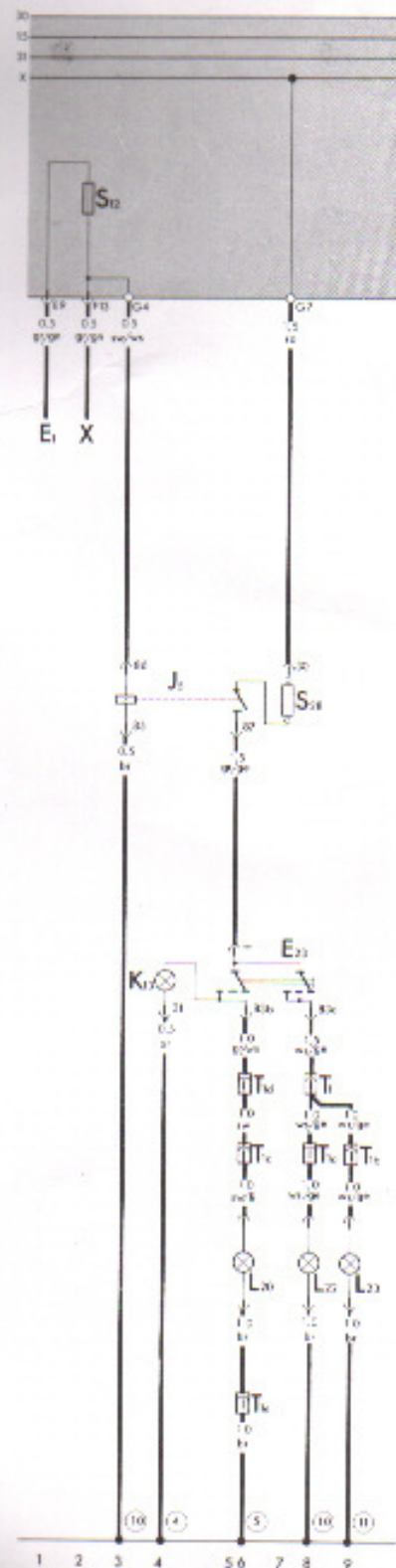
### in current track

E 1	– from lighting switch, terminal 58	1
E 23	– Fog and rear fog light switch	5–8
J 5	– Fog light relay	3–5
K 13	– Rear fog light warning lamp (yellow)	4
L 20	– Rear fog light bulb	6
L 22	– Fog light bulb left	8
L 23	– Fog light bulb right	9
S 12	– Fuse in fuse box	
S 28	– Fuse for fog lights (8 Amp.)	7
T 1	– Connector single, behind dash	
T 1a	– Connector single, behind air vent	
T 1b	– Connector single, behind air vent	
T 1c	– Connector single, behind cross panel	
T 1d	– Connector single, behind dash	
T 1e	– Connector single, behind cross panel	
X	– to No. plate light	2

- ④ – Earth point, on dash insert
- ⑤ – Earth point, on cross panel/side member
- ⑩ – Earth point, behind dash on left
- ⑪ – Earth point, behind dash on right

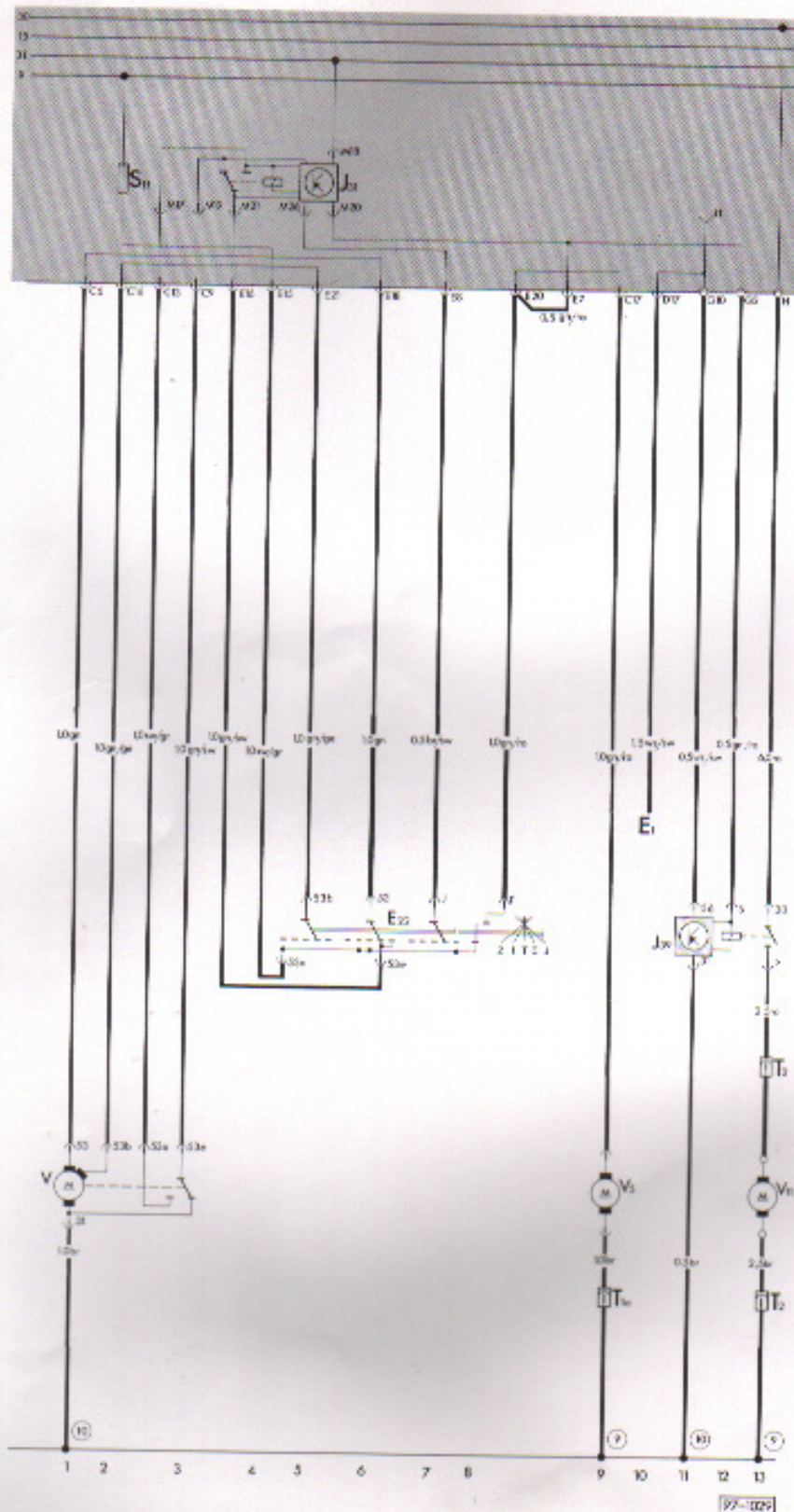
### Wire colours

- br = brown
- ws = white
- sw = black
- gr = grey
- ge = yellow
- ro = red
- li = lilac





# Additional current flow diagram, Headlight washer system From August 1979





# Designation

## in current track

E 1	- to light switch, terminal 56	
E 22	- Wiper switch for intermittent operation	10
J 31	- Relay for wash-wipe intermittent facility	4-8
J 39	- Headlight washer relay	3-6
S 11	- Fuse in fuse box	11-13
T 1a	- Connector single, behind dash	
T 1b	- Connector single, behind dash	
T 2	- Connector 2 pin, near windscreen washer pump	
V	- Windscreen wiper motor	1-3
V 5	- Windscreen washer pump	8
V 11	- Headlight washer pump	13

- ① - Earth point on fuse box
- ② - Earth point, behind dash, near fuse box

## Wire colours:

gn = green  
 sw = black  
 ws = white  
 br = brown  
 ge = yellow  
 gr = grey  
 ro = red



# Additional current flow diagram, dual circuit brake and handbrake warning lamp from August 1979

## Designation

- F — Brake light switch
- F 1 — to oil pressure switch
- F 9 — Handbrake warning switch
- K 7 — Dual circuit and handbrake warning lamp
- M 9 — Brake light left
- M 10 — Brake light right
- S 6 — Fuse in fuse box
- T 1 — Connector, single behind dash

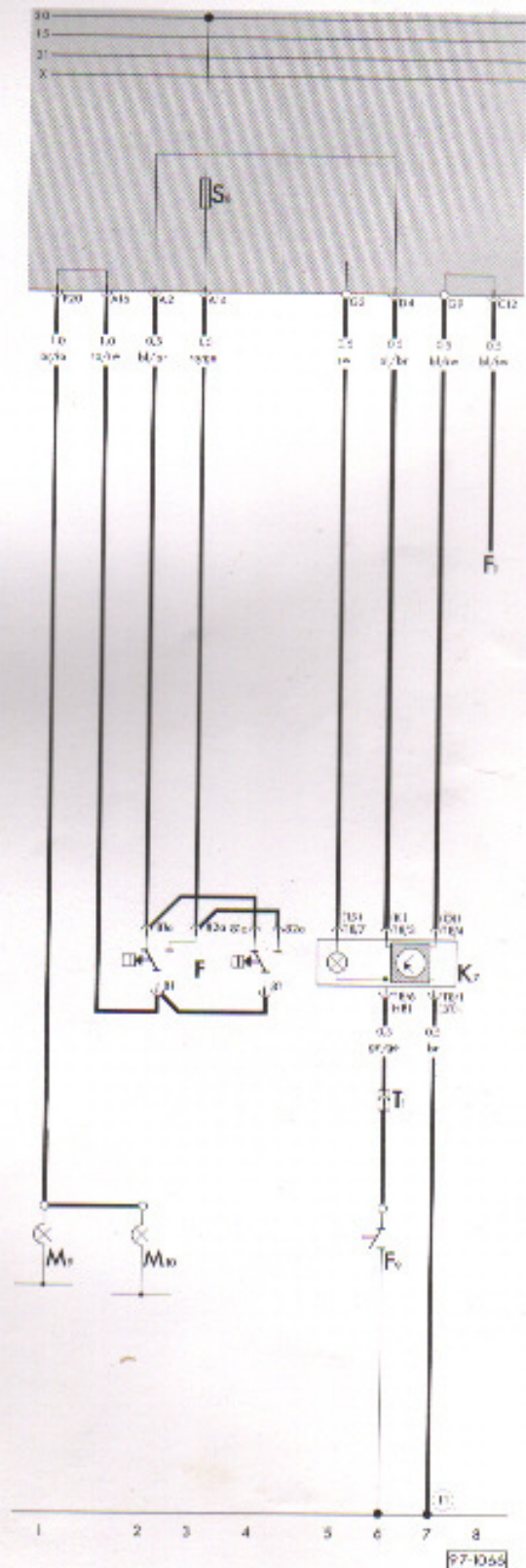
Ⓜ — Earthing point behind dash

## Wire colours

- br — brown
- ro — red
- sw — black
- bl — blue
- ge — yellow
- gn — green

## in current track

- 2-4
- 8
- 6
- 5-7
- 1
- 2





# **Current flow diagram**

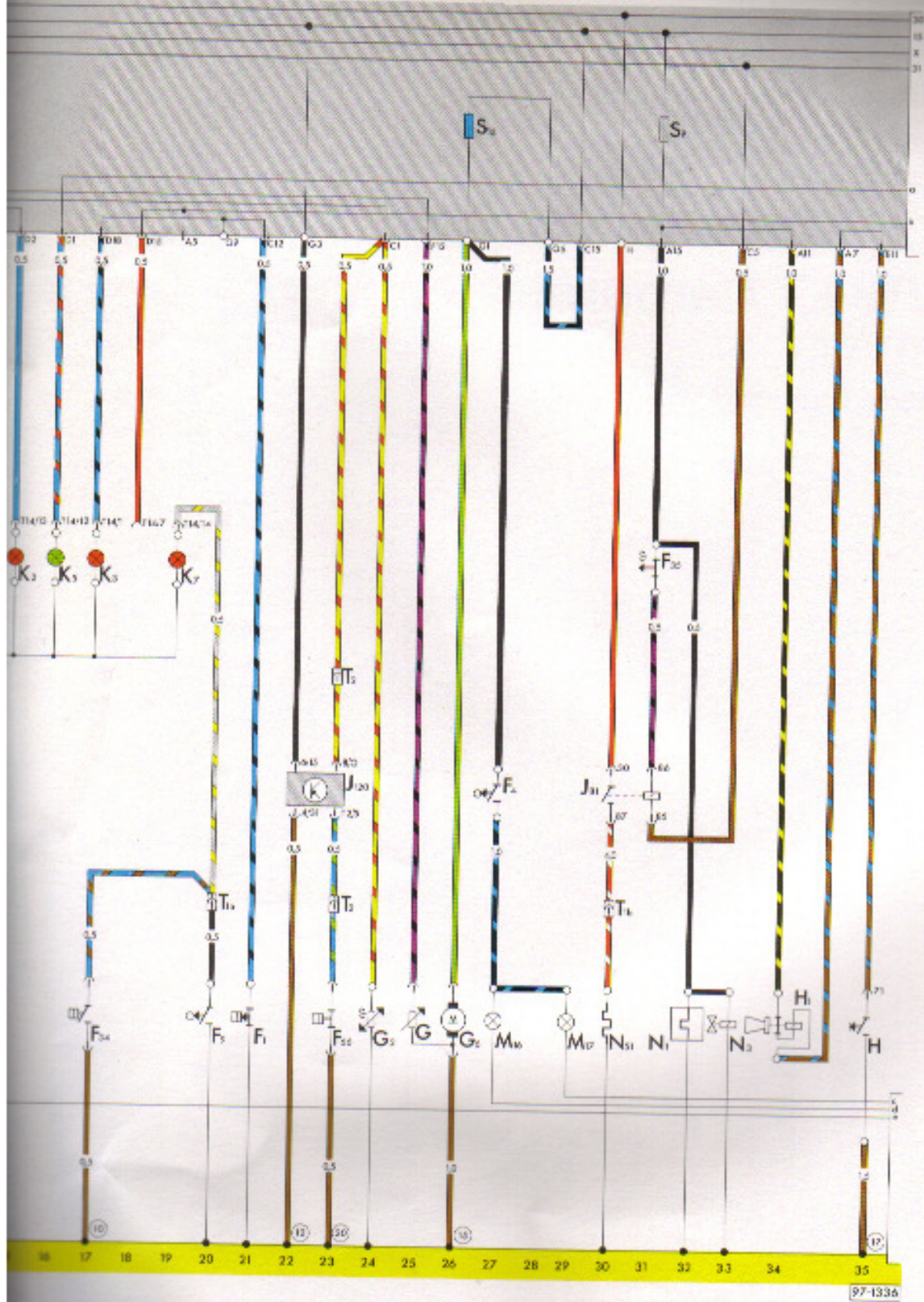
## **VW LT Carburetor engine**

(6 Cylinder)

Model Year 1983



**LT Carburetor engine (6 Cylinder) from December 1982**



The grey area at the top of the diagram represents the relay plate and fuse box. The letters and figures by the connections give the positions of the wires in the multi-point or single connectors (e.g. D 11 – multi-point connector D, contact 11).







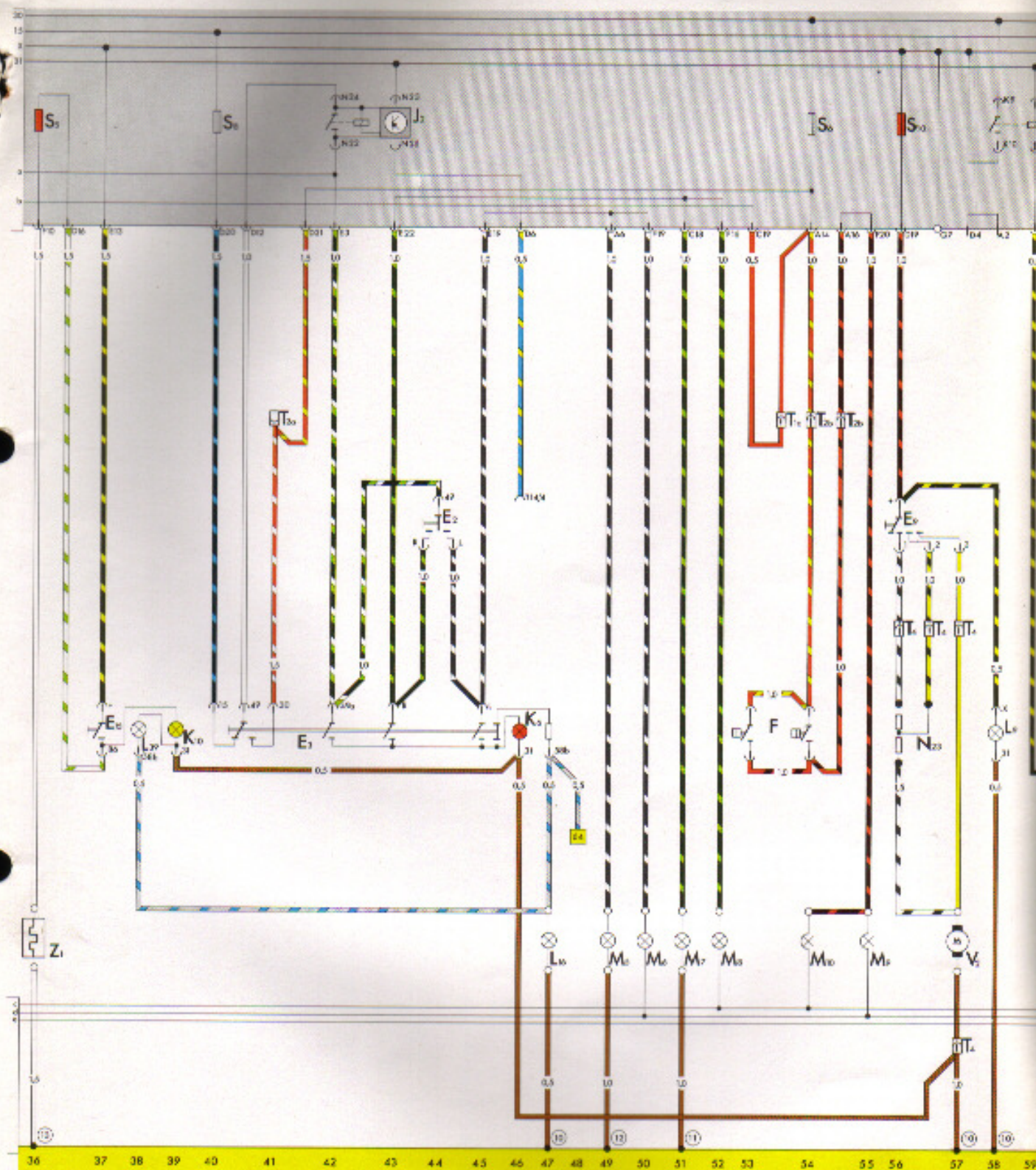
## Designation

in current track

E 1	— Lighting switch	60-63
E 2	— Turn signal switch	44
E 3	— Emergency light switch	40-47
E 4	— Headlight dimmer/flasher switch	69, 70
E 9	— Fresh air blower switch	56, 57
E 15	— Heated rear window switch	37-39
E 20	— Instrument/instrument panel lighting control	64
E 22	— Intermittent wiper switch	84-87
F	— Brake light switch	53, 54
F 2	— Door contact switch front left	79
F 7	— Door contact switch, rear (sliding door)	76
F 11	— Rear door contact switch	77
J 2	— Emergency light relay	42, 43
J 31	— Intermittent wash/wipe relay	82, 86
J 59	— Relief relay (for X contact)	58-59
K 1	— Main beam warning lamp	75
K 6	— Emergency light system warning lamp	46
K 10	— Heated rear window warning lamp	39
L 1	— Twin filament headlight bulb, left	71, 73
L 2	— Twin filament headlight bulb, right	72, 74
L 9	— Lighting switch light bulb	58
L 10	— Instrument panel insert light bulb	61, 62
L 16	— Fresh air controls light bulb	47
L 39	— Heated rear window switch bulb	38
M 1	— Side light bulb, left	66
M 2	— Tail light bulb, right	67
M 3	— Side light bulb, right	68
M 4	— Tail light bulb, left	65
M 5	— Front left turn signal bulb	49
M 6	— Rear left turn signal bulb	50
M 7	— Front right turn signal bulb	51
M 8	— Rear right turn signal bulb	52
M 9	— Brake light bulb, left	55
M 10	— Brake light bulb, right	54
N 23	— Series resistance for fresh air blower	56
S 1 - S 8	} — Fuses in fuse box	
S 10 - S 14		
T 1c	— Connector, single behind dash	
T 2a	— Connector, two point, behind dash	
T 2b	— Connector, two point, behind dash	
T 2c	— Connector, two point, behind dash	
T 4	— Connector, four point, behind dash	
T 14/	— Connector, fourteen point on dash insert	
V	— Windscreen wiper motor	81, 82
V 2	— Fresh air blower	57
V 5	— Windscreen washer pump	88
W	— Interior light, front	80
W 1	— Interior light, rear	78
X	— Number plate light	64
Z 1	— Heated rear window	36
⑩	— Earth point, dash insert	
⑪	— Earth point, behind dash	
⑫	— Earth point behind dash near fuse box	
⑬	— Earth point on roof cross member left	
⑭	— Earth point on roof cross member passenger compartment	
⑮	— Earth point on side member, rear left	
⑯	— Earth point on side member, rear right	



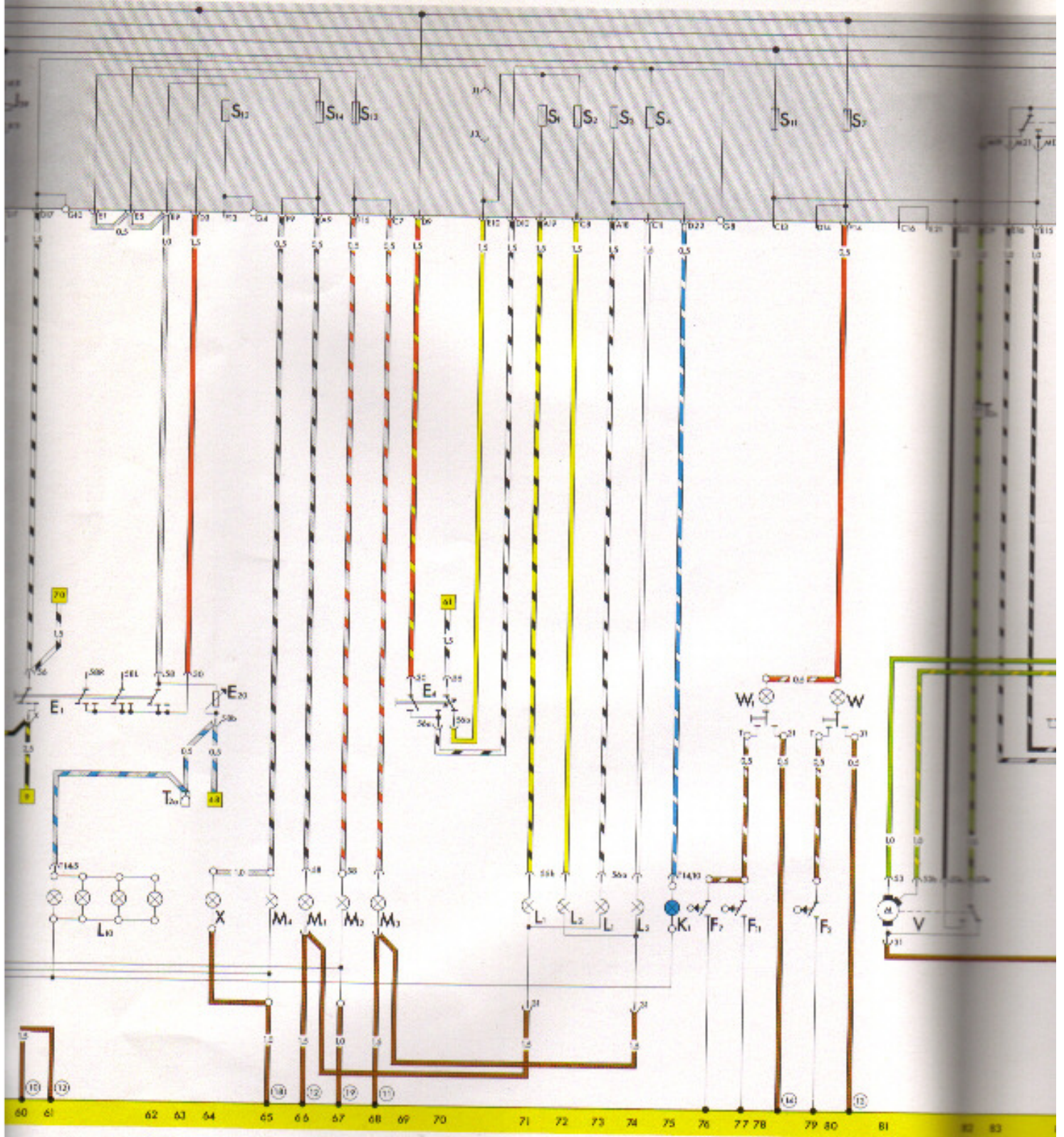
# LT Carburetor engine (6 Cylinder) from December 1982



Turn signals and emergency lights

The grey area at the top of the  
The letters and figures by the co  
point or single connectors (e.g.



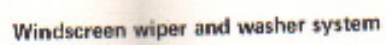


Lighting

Windscreen wiper and was

agram represents the relay plate and fuse box.  
 ections give the positions of the wires in the multi-  
 10 – multi-point connector, F, contact 10).







## Designation

in current track

A	- Battery	4
B	- Starter	5, 6
C	- Alternator	2, 3
C 1	- Voltage regulator	2, 3
D	- Ignition/starter switch	8-10
F 1	- Oil pressure switch	21
F 4	- Reversing light switch	27
F 9	- Handbrake warning system switch	20
F 34	- Brake fluid level warning contact	17
F 35	- Thermoswitch for manifold preheating	31
F 66	- Coolant shortage indicator switch	23
G	- Fuel gauge sender	25
G 1	- Fuel gauge	11
G 2	- Coolant temperature gauge sender	24
G 3	- Coolant temperature gauge	12
G 6	- Electric fuel pump	26
H	- Horn control	35
H 1	- Horn	34
J 6	- Voltage stabilizer	11
J 81	- Intake manifold preheating relay	30, 31
J 120	- Switch unit for coolant low level indicator	22, 23
K 2	- Generator warning lamp	15
K 3	- Oil pressure warning lamp	17
K 5	- Turn signal warning lamp	16
K 7	- Dual circuit brake and handbrake warning lamp	19
K 28	- Coolant temp. warning lamp (overheating, red)	14
M 16	- Reversing light bulb, left	27
M 17	- Reversing light bulb, right	29
N	- Ignition coil	7
N 1	- Automatic choke, left	32
N 3	- By-pass air cut-off valve	33
N 6	- Resistance wire	7
N 51	- Heater element for intake manifold preheating	30
O	- Ignition distributor	7-9
P	- Plug connector	7-9
Q	- Spark plugs	7-9
S 9, S 15	- Fuses in fuse box	
T 1	- Connector, single, in engine compartment	
T 1a	- Connector, single, behind dash	
T 1b	- Connector, single, behind dash	
T 2	- Connector, two point behind dash	
T 14/	- Connector, fourteen point, on dash insert	
①	- Earth strap from battery to body	
③	- Earth strap from engine to body	
⑩	- Earth point, dash insert	
⑫	- Earth point, behind dash, near fuse box	
⑮	- Earth point, side member, rear	
⑰	- Earth wire, steering box	
⑳	- Earth point, in engine compartment	

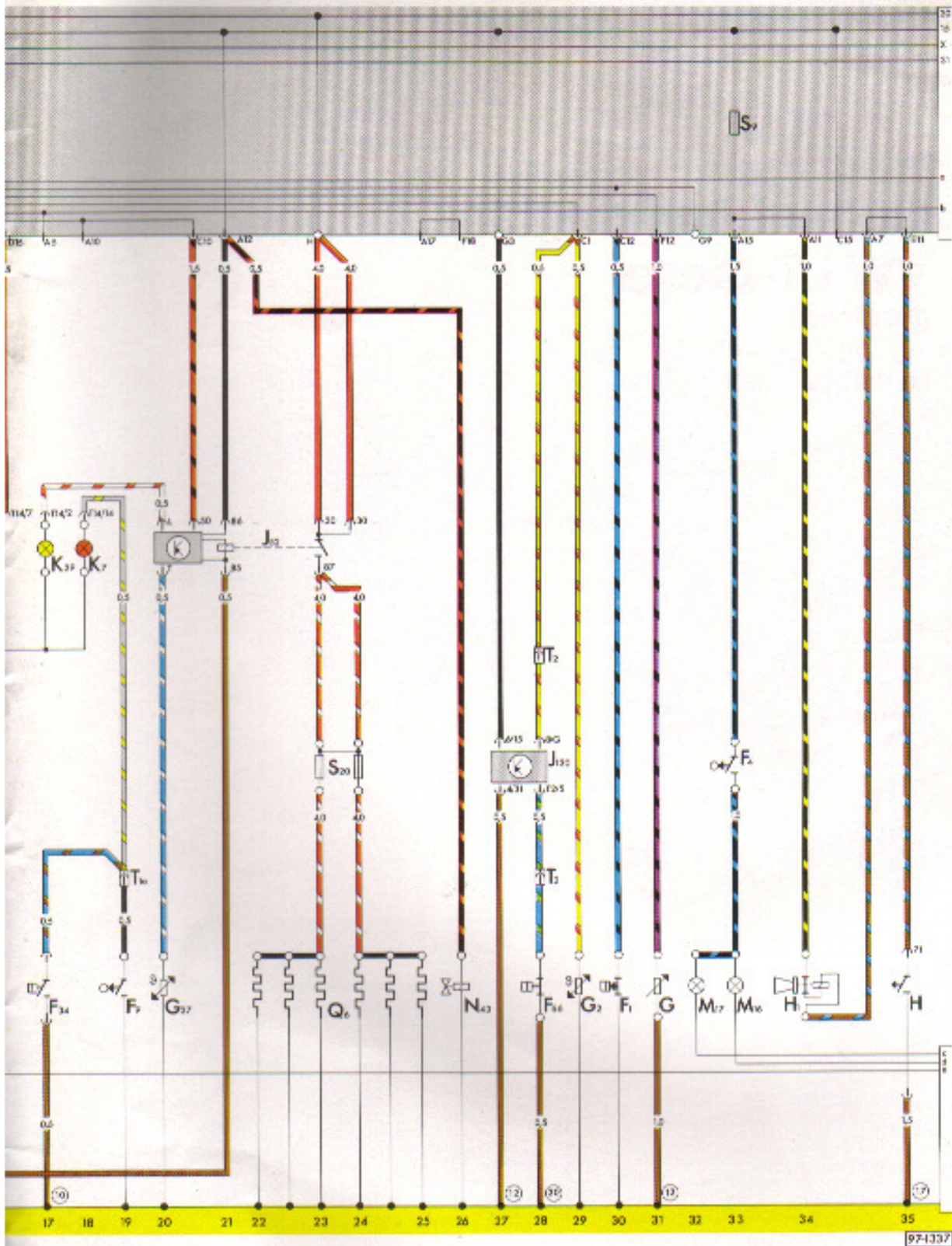


**Current flow diagram**  
**VW LT-Diesel**  
(6 Cylinder)

**Model Year 1983**



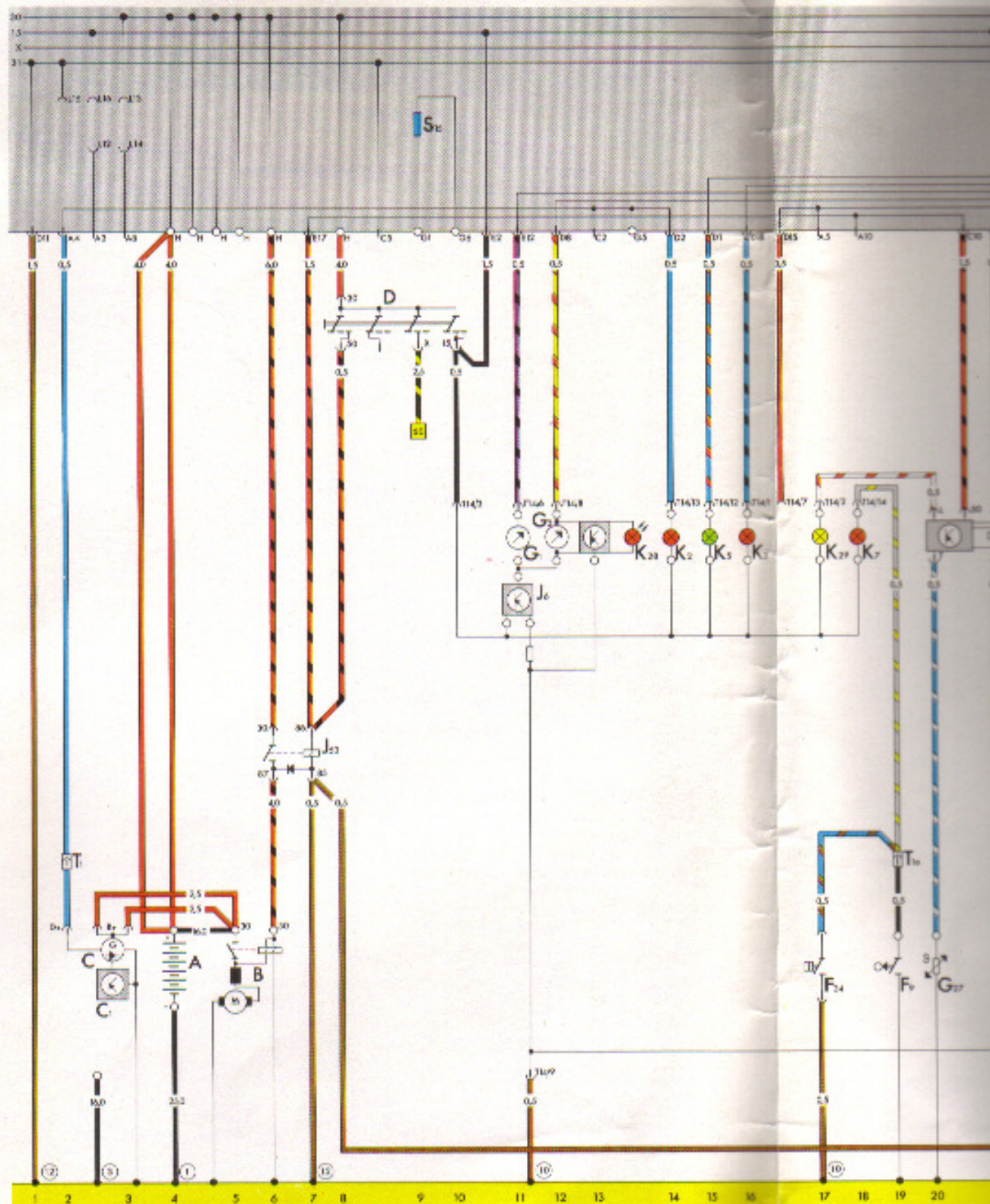
# LT Diesel (6 Cylinder) from December 1982



## Glow plug system

The grey area at the top of the diagram represents the relay plate and fuse box.  
The letters and figures by the connections give the positions of the wires in the multi-point or single connectors (e.g. D 11 – multi-point connector D, contact 11).





Starter and current supply

Dash insert



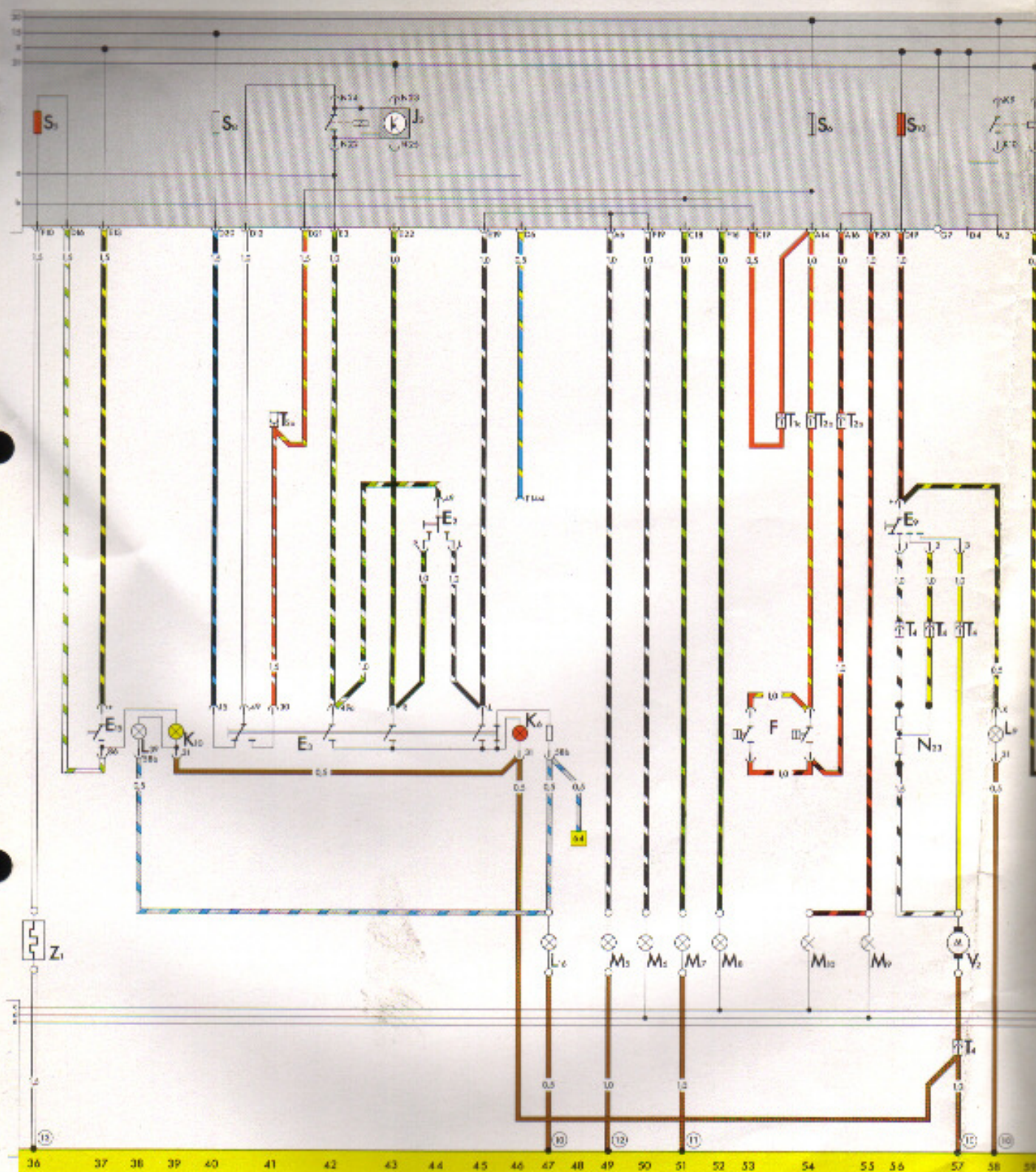
Designation

in current track

E 1	— Lighting switch	60–63
E 2	— Turn signal switch	44
E 3	— Emergency light switch	40–47
E 4	— Headlight dimmer/flasher switch	69, 70
E 9	— Fresh air blower switch	56, 57
E 15	— Heated rear window switch	37–39
E 20	— Instrument/instrument panel lighting control	64
E 22	— Intermittent wiper switch	84–87
F	— Brake light switch	53, 54
F 2	— Door contact switch front left	79
F 7	— Door contact switch, rear (sliding door)	76
F 11	— Rear door contact switch	77
J 2	— Emergency light relay	42, 43
J 31	— Intermittent wash/wipe relay	82, 86
J 59	— Relief relay (for X contact)	58–59
K 1	— Main beam warning lamp	75
K 6	— Emergency light system warning lamp	46
K 10	— Heated rear window warning lamp	39
L 1	— Headlight bulb, left	71, 73
L 2	— Headlight bulb, right	72, 74
L 9	— Lighting switch light bulb	58
L 10	— Instrument panel insert light bulb	61, 62
L 16	— Fresh air controls light bulb	47
L 39	— Heated rear window switch bulb	38
M 1	— Side light bulb, left	66
M 2	— Tail light bulb, right	67
M 3	— Side light bulb, right	68
M 4	— Tail light bulb, left	65
M 5	— Front left turn signal bulb	49
M 6	— Rear left turn signal bulb	50
M 7	— Front right turn signal bulb	51
M 8	— Rear right turn signal bulb	52
M 9	— Brake light bulb, left	55
M 10	— Brake light bulb, right	54
N 23	— Series resistance for fresh air blower	56
S 1 – S 8	— Fuses in relay plate/fuse box	
S 10 – S 14		
T 1c	— Connector, single behind dash	81, 82
T 2a	— Connector, two point, behind dash	
T 2b	— Connector, two point, behind dash	57
T 2c	— Connector, two point, behind dash	
T 4	— Connector, four point, behind dash	88
T 14/	— Connector, fourteen point on dash insert	
V	— Windscreen wiper motor	80
V 2	— Fresh air blower	
V 5	— Windscreen washer pump	78
W	— Interior light, front	
W 1	— Interior light, rear	64
X	— Number plate light	
Z 1	— Heated rear window	36
⑩	— Earth point, dash insert	
⑪	— Earth point, behind dash	
⑫	— Earth point behind dash near fuse box	
⑬	— Earth point on roof cross member left	
⑭	— Earth point on roof cross member passenger compartment	
⑮	— Earth point on side member, rear left	
⑯	— Earth point on side member, rear right	



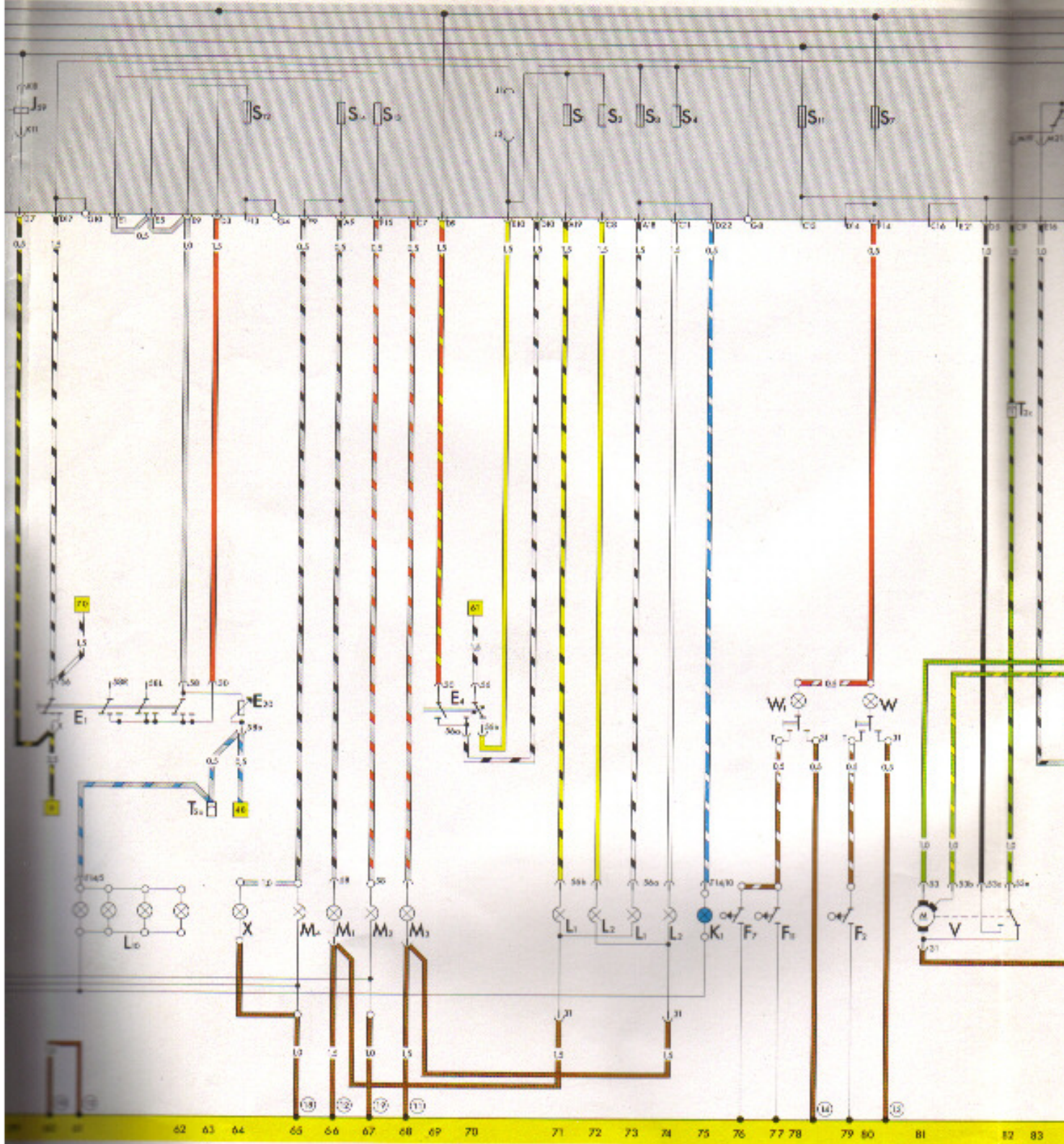
# LT Diesel (6 Cylinder) from December 1982



Turn signals and emergency lights

The grey area at the top of the  
The letters and figures by the c  
point or single connectors (e.g.



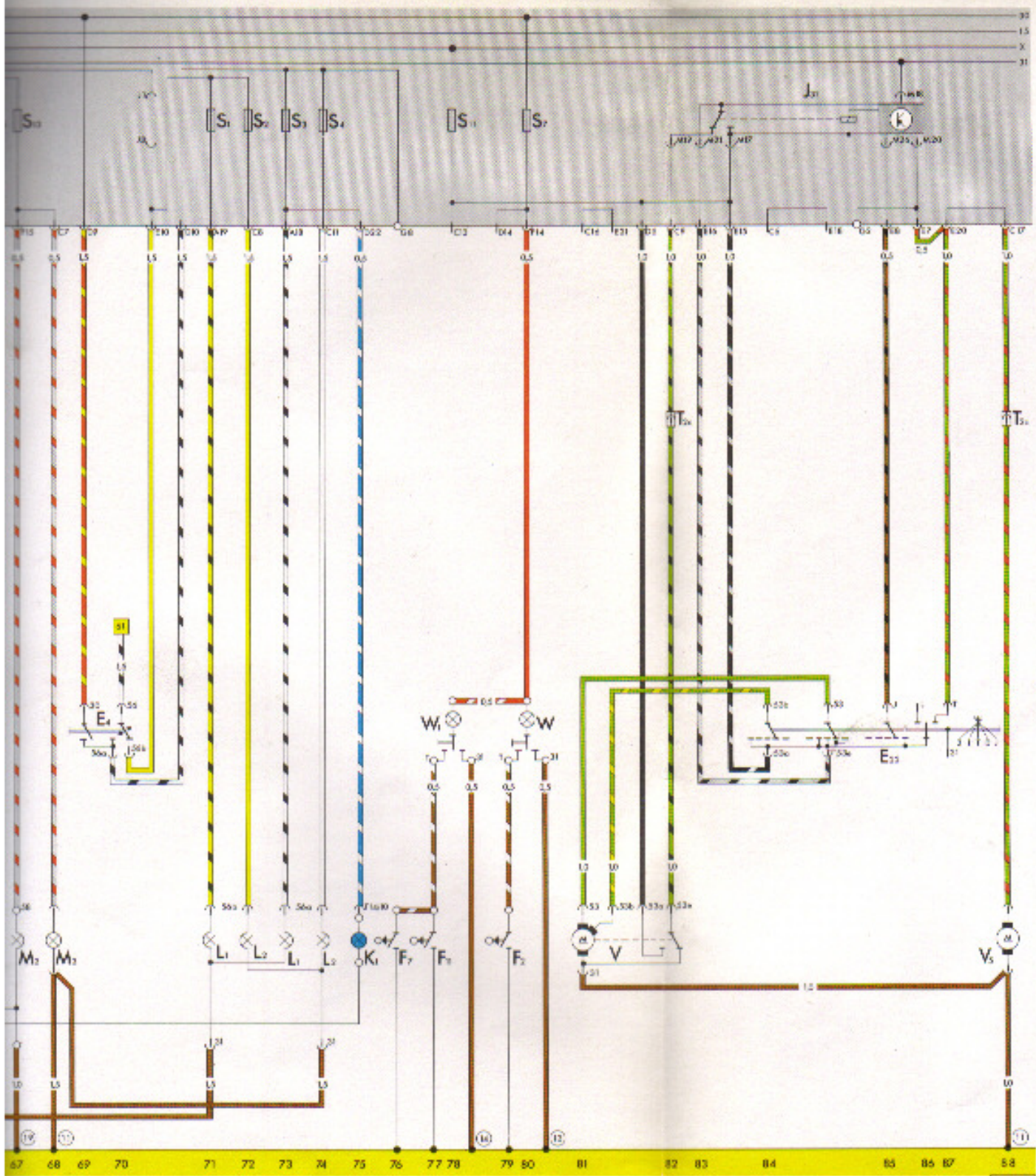


Lighting

Windscreen wiper a

The diagram represents the relay plate and fuse box.  
The connections give the positions of the wires in the multi-  
point connector, F, contact 10).





97-1338

Windscreen wiper and washer system

K.  
e multi-



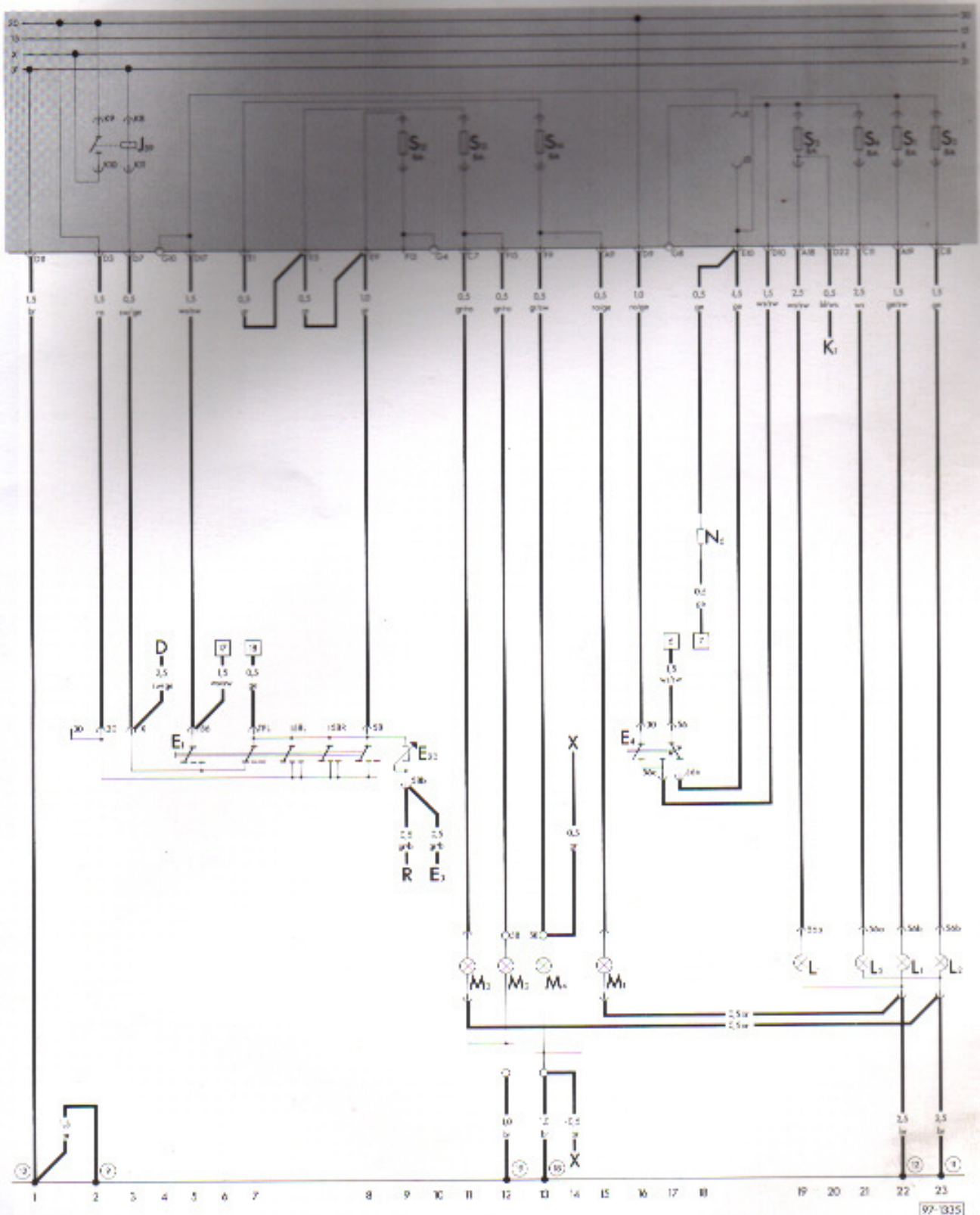
## Designation

## in current track

A	— Battery	4
B	— Starter	5, 6
C	— Alternator	2, 3
C 1	— Voltage regulator	2, 3
D	— Ignition/starter switch	8—10
F 1	— Oil pressure switch	30
F 4	— Reversing light switch	33
F 9	— Handbrake warning system switch	19
F 34	— Brake fluid level warning contact	17
F 66	— Coolant shortage indicator switch	28
G	— Fuel gauge sender	31
G 1	— Fuel gauge	11
G 2	— Coolant temperature gauge sender	29
G 3	— Coolant temperature gauge	12
G 27	— Sensor for engine temperature (glow plug system)	20
H	— Horn control	35
H 1	— Horn	34
J 6	— Voltage stabilizer	11
J 52	— Glow plug relay	20—23
J 53	— Starter relay	6, 7
J 120	— Switch unit for coolant low level indicator	27, 28
K 2	— Generator warning lamp	14
K 3	— Oil pressure warning lamp	16
K 5	— Turn signal warning lamp	15
K 7	— Dual circuit brake and handbrake warning lamp	18
K 28	— Coolant temp. warning lamp (overheating, red)	13
K 29	— Glow period warning lamp	17
M 16	— Reversing light bulb, left	33
M 17	— Reversing light bulb, right	32
N 43	— Electro-magnetic stop control	26
Q 6	— Glow plugs	22—25
S 9, 15	— Fuses in fuse box	
S 20	— Fuses in fuse box (50 Amps each)	
T 1	— Connector, single in engine compartment	
T 1a	— Connector, single, behind dash	
T 2	— Connector, two point, behind dash	
T 14/	— Connector, fourteen point, on dash insert	
①	— Earth strap from battery to body	
③	— Earth strap from engine to body	
⑩	— Earth point, dash insert	
⑫	— Earth point, behind dash near fuse box	
⑰	— Earth wire, steering box	
⑳	— Earth point, in engine compartment	



ADDITIONAL CURRENT FLOW DIAGRAM FOR DAY DRIVING LIGHTS  
from December 1982





**Designation****In current track**

D	— to ignition/starter switch (terminal X)	4
E 1	— Lighting switch	2-8
E 3	— Emergency light switch (terminal 58b)	10
E 4	— Headlight dimmer/flasher switch	16, 17
E 20	— Instrument lighting control	9
J 59	— Relief relay (for X contact)	2, 3
K 1	— Main beam warning lamp	20
L 1	— Twin filament headlight bulb, left	19, 22
L 2	— Twin filament headlight bulb, right	21, 23
M 1	— Side light bulb, left	15
M 2	— Tail light bulb, right	12
M 3	— Side light bulb, right	11
M 4	— Tail light bulb, left	13
N 6	— Resistance wire/day driving lights	18
R	— Radio connection (Lighting)	9
S 1 — S 4	— Fuses in fuse box	14
S 12 — S 14		
X	— Number plate light	

**Earth points:**

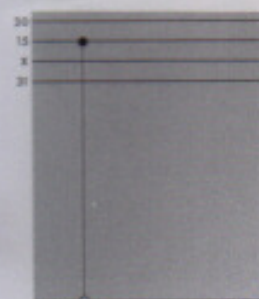
- ⑨ — Earth point, dash insert
- ⑪ — Earth point, behind dash on right
- ⑫ — Earth point, behind dash, near fuse box
- ⑮ — Earth point, on side member, rear left
- ⑲ — Earth point, on side member, rear right

**Wire colours:**

- br = brown
- ro = red
- sw = black
- ge = yellow
- ws = white
- gr = grey
- bl = blue



**ADDITIONAL CURRENT FLOW DIAGRAM – SEAT HEATING**  
from December 1982



**Designation**

- E 20 – Instrument/instrument panel lighting control
- E 73 – Heated seat switch
- J 120 – Switch unit for coolant low level indicator
- K 59 – Warning lamp – heated driving seat
- L 44 – Light for seat heating switch
- S 38 – Separate fuse for heated seats
- T 2 – Connector 2 pin, behind dash panel
- T 4 – Connector 4 pin, behind dash panel
- Z 6 – Heated driver's seat
- Z 7 – Heated driver's seat backrest

**in current track**

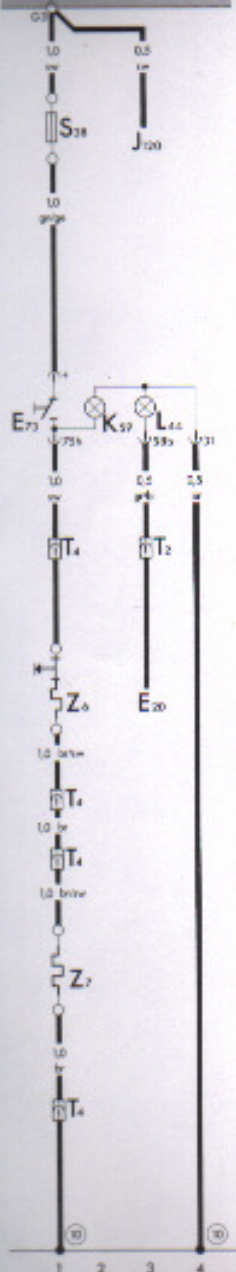
- 3
- 1-4
- 3
- 2
- 3
- 
- 
- 
- 1
- 1

**Earthing points:**

- ⊖ – Earthing point on dash panel insert

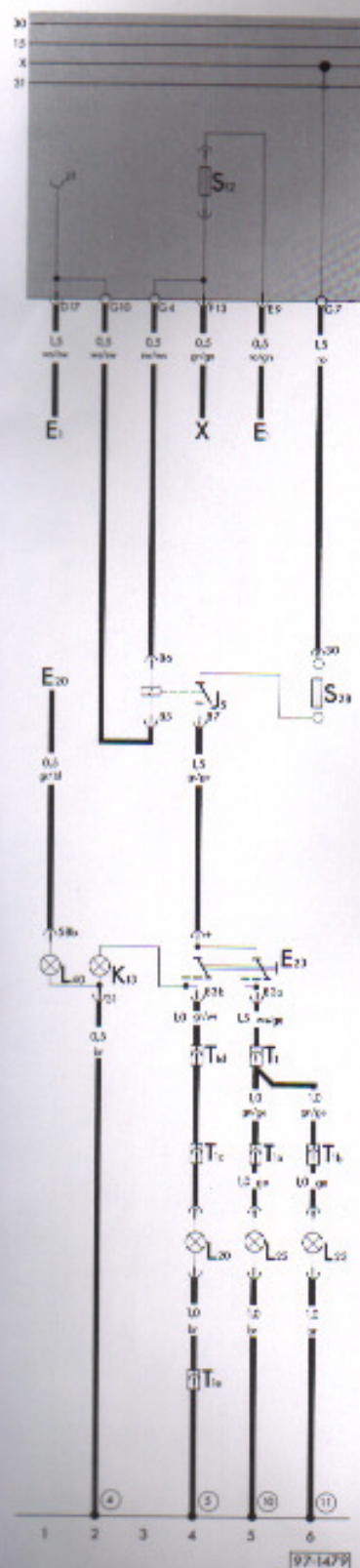
**Wire colours:**

- br = brown
- sw = black
- gn = green
- ge = yellow
- gr = grey
- bl = blue





## ADDITIONAL CURRENT FLOW DIAGRAM – FRONT AND REAR FOG LIGHTS (SWISS VEHICLES) from December 1982



### Designation

E 1	–	Lighting switch
E 20	–	Instrument/instrument panel lighting control
E 23	–	Fog light and rear fog light switch
J 5	–	Fog light relay
K 13	–	Rear fog light warning lamp
L 20	–	Rear fog light bulb
L 22	–	Fog light bulb, left
L 23	–	Fog light bulb, right
L 40	–	Front and rear fog light switch bulb
S 12	–	Fuses in fuse box
S 28	–	Separate fuse for fog light
T 1	–	Connector, single, behind dash panel
T 1a	–	Connector, single, behind air intake trim
T 1b	–	Connector, single, behind air intake trim
T 1c	–	Connector, single, behind rear cross panel
T 1d	–	Connector, single, behind dash panel
T 1e	–	Connector, single, behind rear cross panel
X	–	Number plate light

### in current track

1, 5
1
4–6
3, 4
2
4
5
6
1
4

### Earthing points:

- (1) – Earthing point on dash panel insert
- (2) – Earthing point behind dash panel, left
- (3) – Earthing point behind dash panel, right

### Wire colours:

- br = brown
- ge = yellow
- gn = green
- ws = white
- gr = grey
- bl = blue
- sw = black
- ro = red







**Designation****in current track**

E 1	- Lighting switch	8, 15
E 3	- Emergency light switch	2, 9, 10, 20
F	- Brake light switch	1
J 2	- Emergency light relay	10-12
K 5	- Turn signal warning lamp	11
K 18	- Trailer operation warning lamp	12
M 1	- Side light bulb, left	7
M 2	- Tail light bulb, right	17
M 3	- Side light bulb, right	16
M 4	- Tail light bulb, left	6
M 5	- Front left turn signal bulb	3
M 6	- Rear left turn signal bulb	4
M 7	- Front right turn signal bulb	19
M 8	- Rear right turn signal bulb	18
M 9	- Brake light bulb, left	5
M 10	- Brake light bulb, right	15
M 16	- Reversing light bulb left	9
M 17	- Reversing light bulb right	14
M 23	- Bulb - flashing roof light left	1
M 24	- Bulb - flashing roof light right	20
S 13	- Fuses in fuse box	
S 14		
T 1	- Connector, single, on rear cross bearer, left	
T 1a	- Connector, single, on rear roof frame, left	
T 1b	- Connector, single, on rear roof frame, left	
T 1c	- Connector, single, on rear cross bearer, right	
T 1d	- Connector, single, on rear roof frame, right	
T 1e	- Connector, single, on rear roof frame, right	
T 14	- Connector, 14 pin, on dash panel insert	
U	- Socket	11-13
X	- Number plate light	10

**Earthing points:**

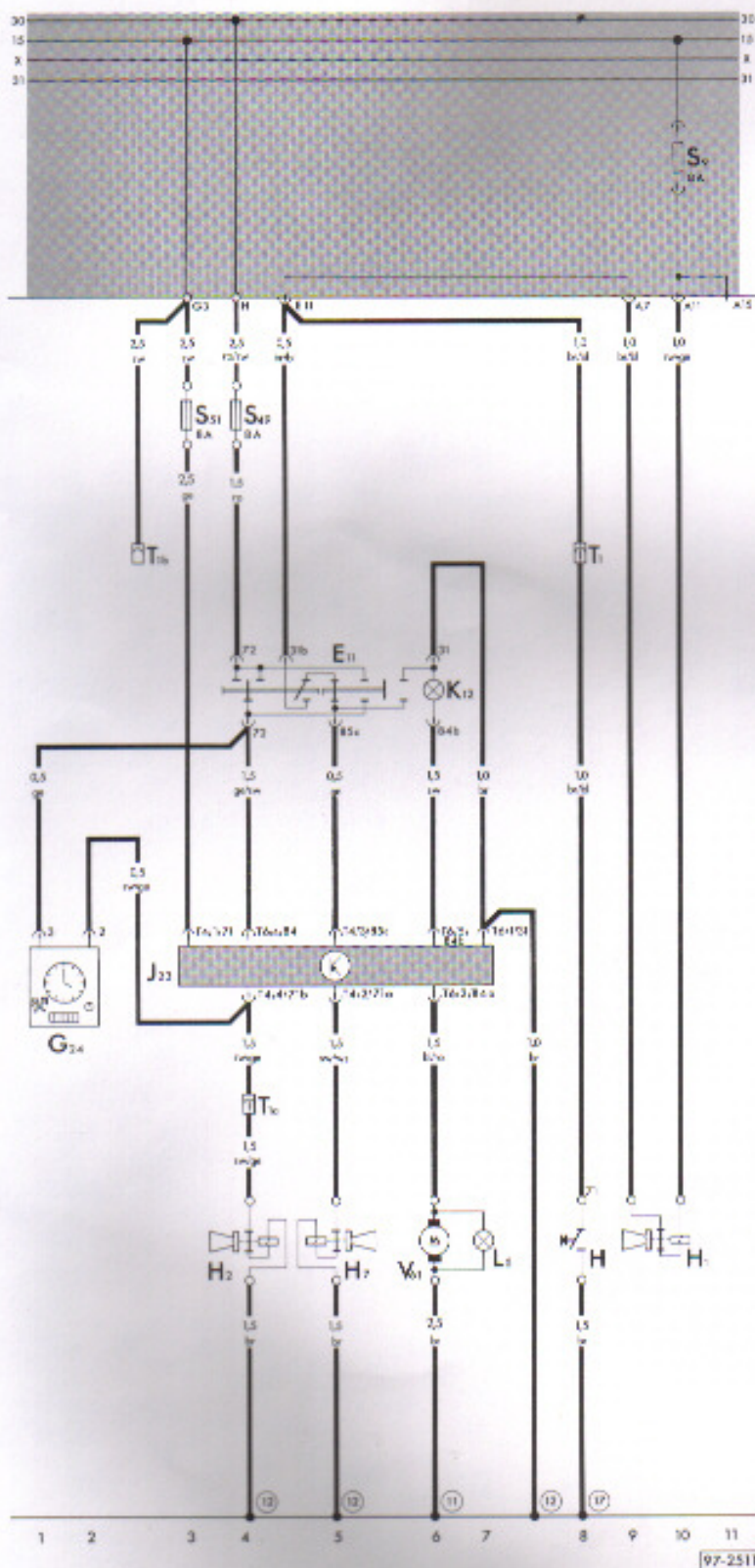
- Ⓔ - Earthing point on rear left side member
- Ⓕ - Earthing point on rear right side member

**Wire colours:**

- br = brown
- sw = black
- ro = red
- gr = grey
- gn = green
- ws = white
- bl = blue
- ge = yellow



## ADDITIONAL CURRENT FLOW DIAGRAM – DOUBLE TONE HORNS, ROTATING BEACON AND TACHOGRAPH from December 1982



Designation	in current track
E 11	Rotating beacon and horn repeat system switch 4-6
G 24	Tachograph 1, 2
H	Horn contact 8
H 1	Horn 9, 10
H 2	High tone horn 4
H 7	Low tone horn 5
J 23	Rotating beacon and double tone horn system relay 3-7
K 12	Rotating beacon and double tone horn system warning lamp 6
L 5	Rotating beacon bulb 7
S 9	Fuse in fuse box
S 49	Fuses for
S 51	horn relay
T 1	Connector, single, behind dash panel
T 1a	Connector, single, behind dash panel
T 1b	Connector, single, behind dash panel
T 4	Connector, 4 pin, on J 23
T 6	Connector, 6 pin, on J 23
V 61	Motor for rotating beacon 6

### Earthing points:

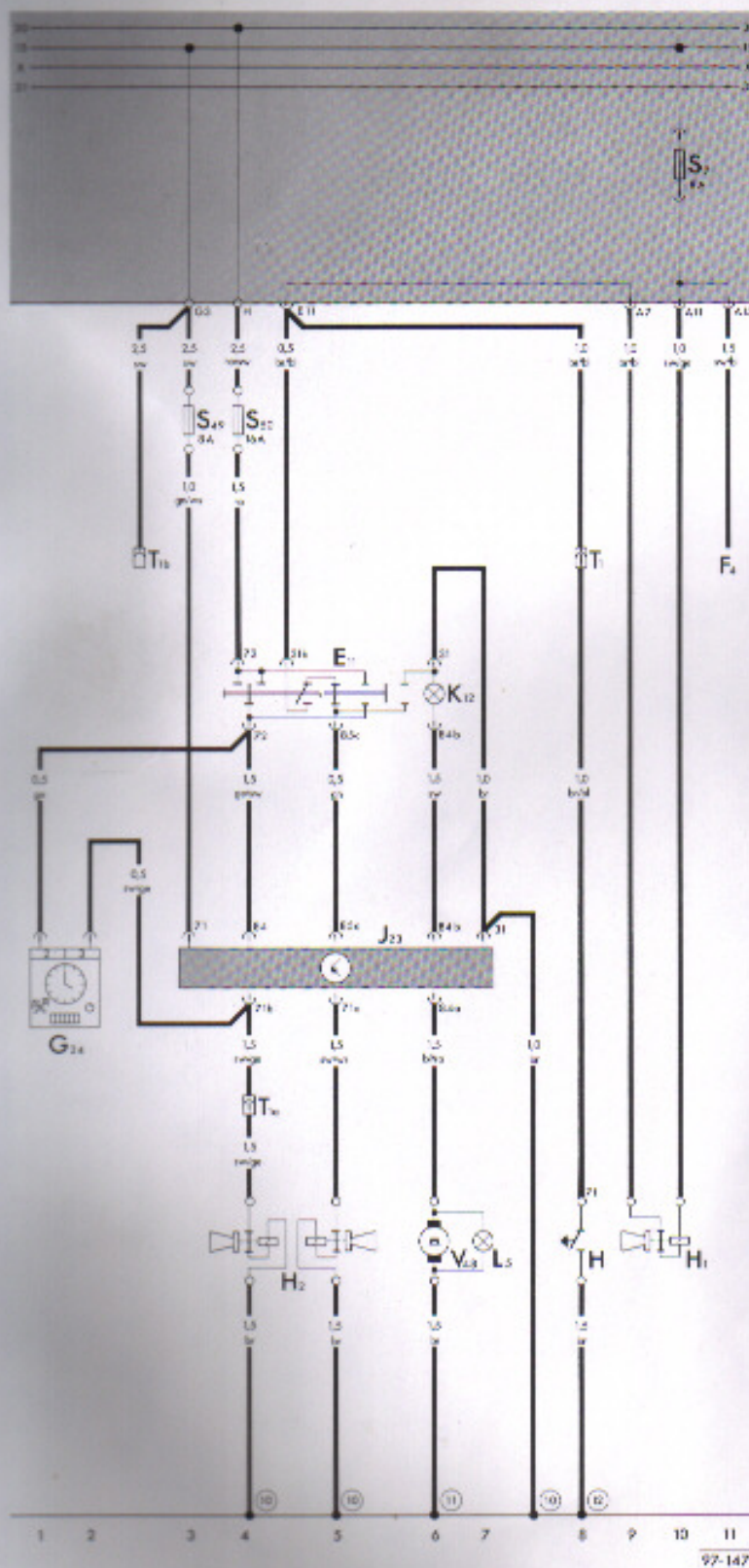
- ① – Earthing point on roof light
- ② – Earthing point next to relay plate
- ③ – Earthing wire to steering gear

### Wire colours

- sw – black
- ge – yellow
- br – brown
- ws – white
- bl – blue
- ro – red
- gn – green
- gr – grey
- li – lilac



ADDITIONAL CURRENT FLOW DIAGRAM – DOUBLE TONE HORNS ROTATING BEACON AND TACHOGRAPH  
from December 1982



Designation	In current track
E 11 - Rotating beacon and horn repeat system switch	4, 5
F 4 - Reversing light switch	11
G 24 - Tachograph	1, 2
H - Horn contact	8
H 1 - Horn	9, 10
H 2 - High and low tone horn	4, 5
J 23 - Rotating beacon and double tone horn system relay	3-7
K 12 - Rotating beacon and double tone horn system warning lamp	6
L 5 - Rotating beacon bulb	7
S 9 - Fuses in fuse box	
S 49 - Fuses for emergency	
S 50 - horn relay	
T 1 - Connector, single, behind dash panel	
T 1a - Connector, single, behind dash panel	
T 1b - Connector, single, behind dash panel	
V 48 - Motor for rotating beacon	6

Earthing points:

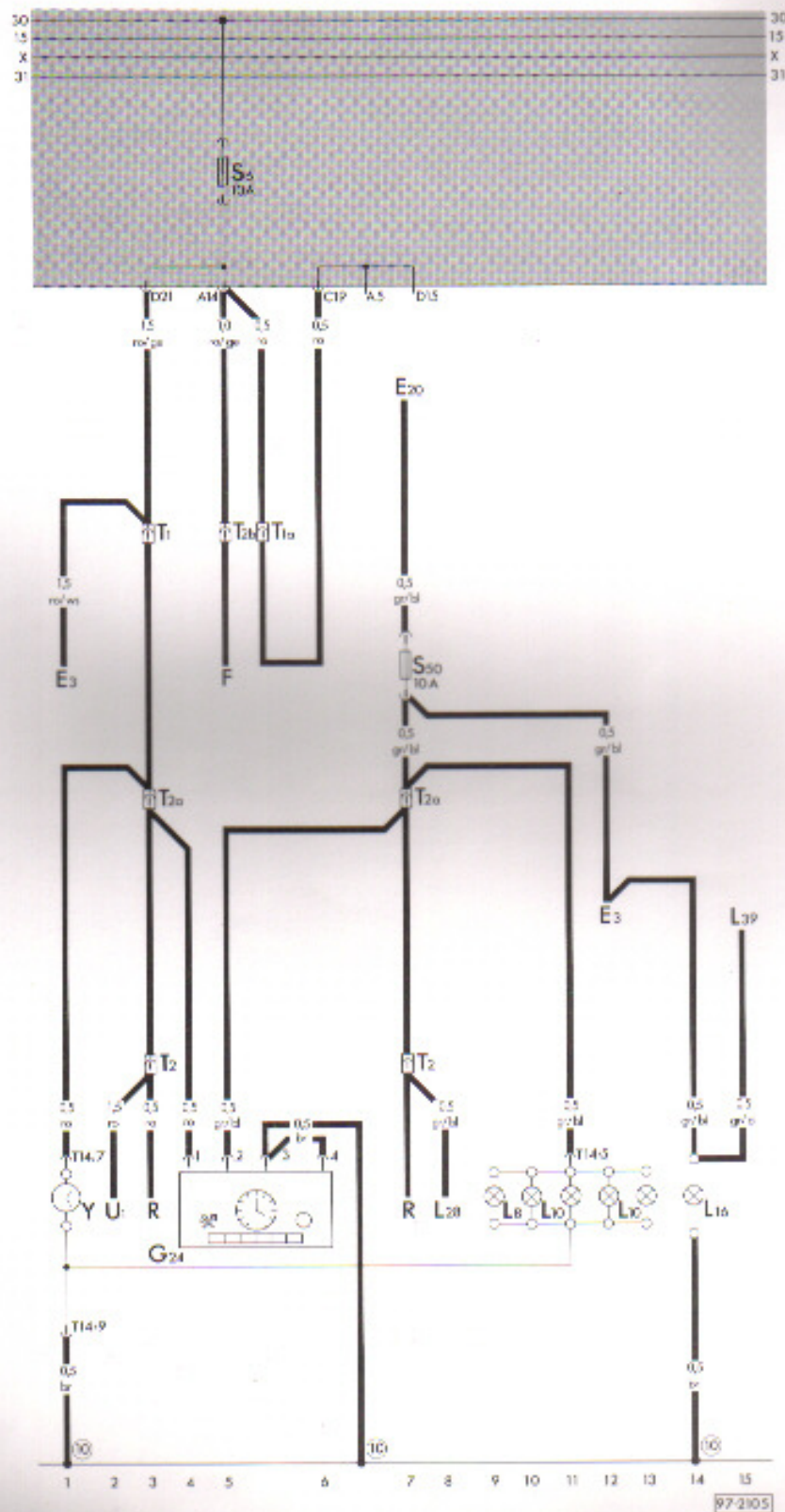
- ⑩ - Earthing point behind dash panel
- ⑪ - Earthing point on roof light
- ⑫ - Earthing wire to steering gear

Wire colours:

- sw = black
- ge = yellow
- br = brown
- ws = white
- bl = blue
- ro = red
- gn = green



**ADDITIONAL CFD-FUSING OF LIGHTS (terminal 58b)  
IN DASH WITH CLOCK AND TACHOGRAPH,  
from November 1984**





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**Designation****in current track**

E 3	- Emergency light switch	1, 12
E 20	- Instrument/instrument panel lighting control	7
F	- Brake light switch	5
G 24	- Tachograph	4-6
L 8	- Clock light bulb	9
L 10	- Instrument panel insert light bulb	10-13
L 16	- Fresh air controls light bulb	14
L 28	- Cigarette lighter light bulb	8
L 39	- Heated rear window switch bulb	15
R	- Radio connection	3, 7
S 6	- Fuse in fuse box	
S 50	- Fuse on relay adapter	
T 1	- Connector, single, behind dash	
T 1a	- Connector, single, behind dash	
T 2	- Connector, 2 pin, behind dash	
T 2a	- Connector, 2 pin, behind dash	
T 2b	- Connector, 2 pin, behind dash	
T 14/	- Connector, 14 pin, behind dash	
U 1	- Cigarette lighter	2
Y	- Clock	1

**Earth points:**

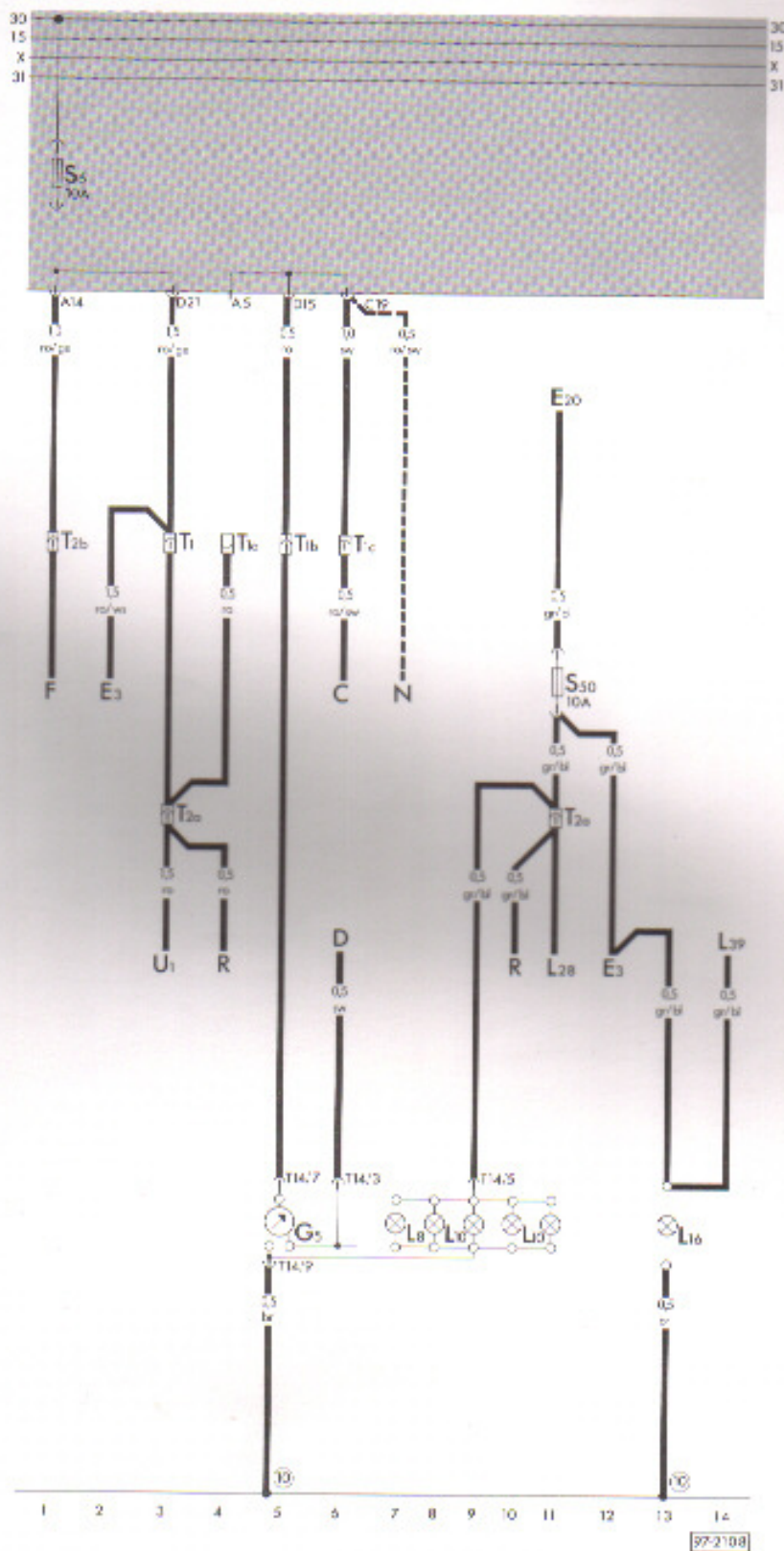
- ⑩ - Earth point behind dash

**Wire colours:**

- bl = blue  
br = brown  
ge = yellow  
gn = green  
gr = grey  
ro = red  
sw = black  
ws = white



ADDITIONAL CFD-FUSING OF LIGHTS (terminal 58b)  
IN DASH WITH REV COUNTER,  
from November 1984





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**Designation****in current track**

C	- Alternator only on Diesel engine	6
D	- Ignition/starter switch	6
E 3	- Emergency light switch	2, 12
E 20	- Instrument/instrument panel lighting control	11
F	- Brake light switch	1
G 5	- Rev. counter	5
L 8	- Clock light bulb	7
L 10	- Instrument panel insert light bulb	8-11
L 16	- Fresh air controls light bulb	13
L 28	- Cigarette lighter light bulb	11
L 39	- Heated rear window switch bulb	14
N	- Ignition coil only on petrol engine	7
R	- Radio connection	4, 10
S 6	- Fuse in fuse box	
S 50	- Fuse on relay adapter	
T 1	- Connector, single, behind dash	
T 1a	- Connector, single, behind dash	
T 1b	- Connector, single, behind dash	
T 1c	- Connector, single, behind dash	
T 2a	- Connector, 2 pin, behind dash	
T 2b	- Connector, 2 pin, behind dash	
T 14/	- Connector, 14 pin, behind dash	
U 1	- Cigarette lighter	3

**Earth points:**

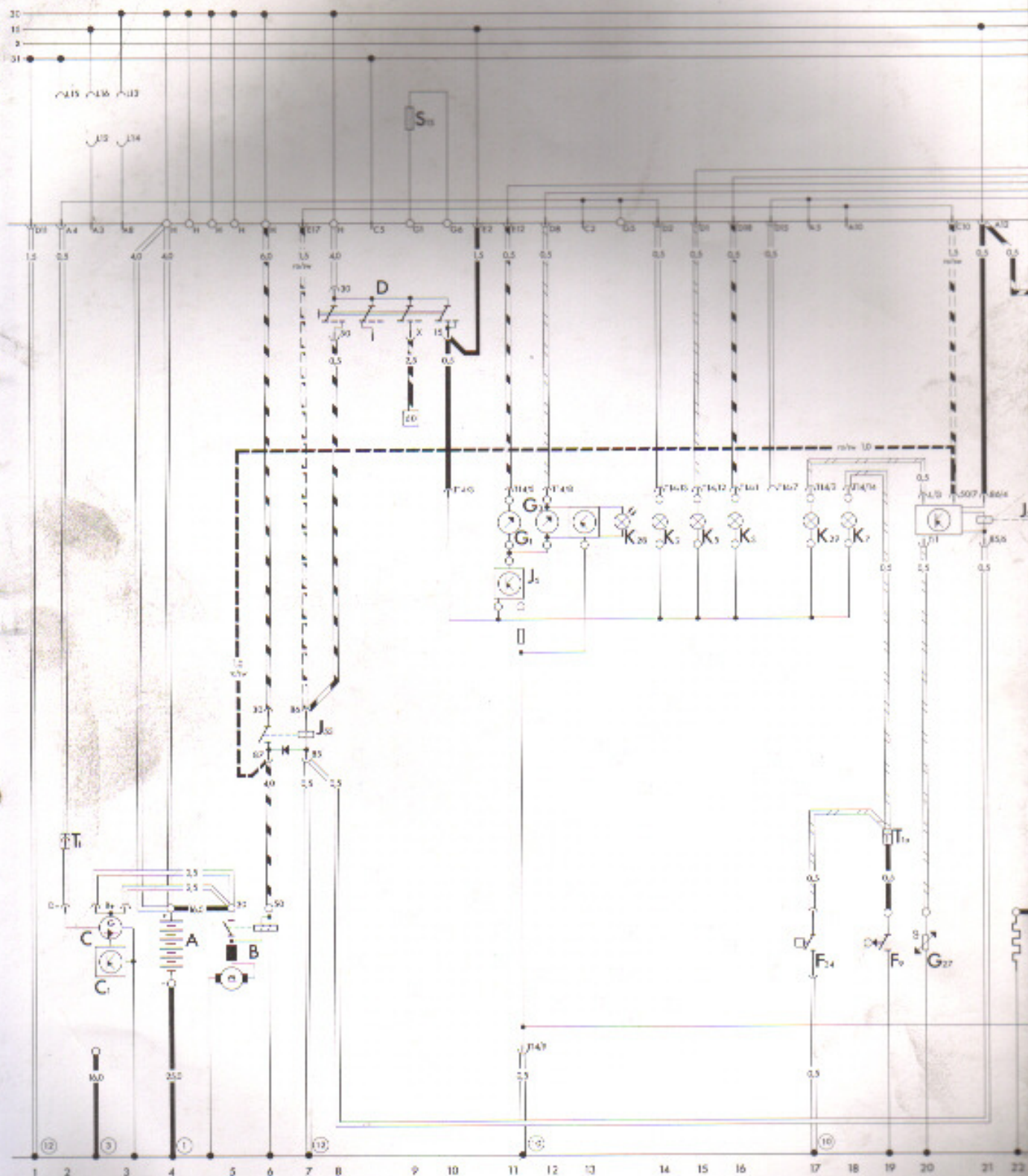
- ⑩ - Earth point behind dash

**Wire colours:**

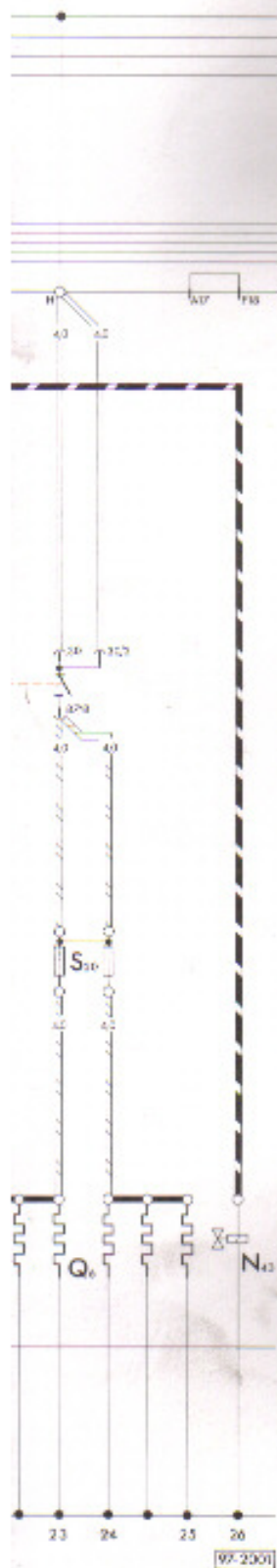
- bl = blue  
br = brown  
ge = yellow  
gn = green  
gr = grey  
ro = red  
sw = black  
ws = white



**Additional CFD-Glow plug system (6 cylinder Diesel engines)  
Modifications to wiring from Chassis No. 28 ZEH 011 526**







# Designation

# in current track

A	- Battery	4
B	- Starter	5, 6
C	- Alternator	2, 3
C 1	- Voltage regulator	2, 3
D	- Ignition/starter switch	8-10
F 9	- Handbrake warning system switch	19
F 34	- Brake fluid level warning contact	17
G 1	- Fuel gauge	11
G 3	- Coolant temperature gauge	12
G 27	- Sensor for engine temperature (glow plug system)	20
J 6	- Voltage stabilizer	11
J 52	- Glow plug relay (use 171 911 261 E relay only - i. e. before and after wiring modification)	20-23
J 53	- Starter relay	6, 7
K 2	- Generator warning lamp	14
K 3	- Oil pressure warning lamp	16
K 5	- Turn signal warning lamp	15
K 7	- Dual circuit brake and handbrake warning lamp	18
K 28	- Coolant temp. warning lamp (overheating, red)	13
K 29	- Glow period warning lamp	17
N 43	- Electro-magnetic stop control	26
Q 6	- Glow plugs	22-25
S 9, S 15	- Fuses in engine compartment	
S 20	- Fuses in fuse box (50 Amps each)	
T 1	- Connector, single, in engine compartment	
T 1a	- Connector, single, behind dash	
T 14/	- Connector, fourteen point, on dash insert	

- ① - Earth strap from battery to body
- ③ - Earth strap from engine to body
- ⑩ - Earth point, dash insert
- ⑫ - Earth point, behind dash near fuse box

## Wire colours:

br	= brown
bl	= blue
ge	= yellow
gn	= green
gr	= grey
li	= lilac
ro	= red
sw	= black
ws	= white

Wiring from chassis No.: 28 ZEH 011 526

Wiring up to chassis No.: 28 ZEH 011 525



# Current flow diagram 2.4 litre/66 kW carburetor engine

(6 cylinder)

Model Year 1986



ERROR: stackunderflow  
OFFENDING COMMAND: ~

STACK: