
Workshop Manual

911

Carrera 4

The workshop manual is only for the internal use of the Porsche Dealer Organization.

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Aktiengesellschaft
Technical Service Department
D-7140 Ludwigsburg

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The workshop manual of the Carrera 4 also includes that for the Carrera 2.
The Carrera 4 acts as the basis for description of the repairs in the manual.
"Carrera 4" also appears on every page in the header line.

Deviating descriptions for repairs on the Carrera 2 follow those of the Carrera 4. These repair descriptions for both models are separated by a yellow sheet.
"Carrera 2" appears on all pages in the header line after the separating sheet. The page number starts with 100 as an additional distinction.

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Additional electrical equipment

Note

Additional electrical equipment must be connected only to the connection possibilities described below.

Terminal 30 not fused:

- 1. Screw terminals at feeder to central electrics
- 2. Connector A 11

Terminal X not fused: Connector A 14

Terminal 15 not fused: Connector A 22

Terminal 31

- 1. Connector A 23
- 2. Ground points VI
- 3. Ground point VII

Fusing possibilities

Note

Additional electrical equipment must be fused if the above connection possibilities can be used.

- 1. Fuse 26:

Incoming connector D 11

Outgoing connector C 45

- 2. Fuse 29:

Incoming connectors C 35 and D 15

Outgoing connector D 23

- 3. Separate fuses

Repairing wiring harness No. 2 and No. 3

Note

As of MY '93, the combination wires for ABS and BVA (brake pad wear monitor) are incorporated into the wiring harness. When repairing damaged wiring, the integral wirings may be cut off and replaced with repair wires.

Wiring harness No. 2 (passenger compartment) is already provided with the left and right rear wires.

Wiring harness No. 3 (trunk floor panel) includes the left and right front wires.

Run the following functional checks after the repair:

- ABS: Check with ABS tester.
- BVA (brake pad wear monitor): The warning lamp must go off when the engine is running and if the pads are o.k.

Connector joints

Rear

In the right-hand and left-hand seat well, before the wires branch off to the outside.

Front

In the right-hand and left-hand luggage compartment above the side member near the spring strut domes.

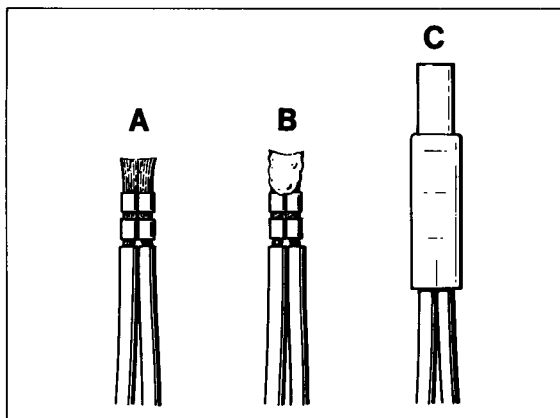
Rear

1. Disconnect battery.
2. Fold emergency seat backrests forward.
3. Remove rear wall trim.
4. Use adhesive tape to locate insulating padding out of the way.

Note

Unscrew convertible top motors (4 screws) on Cabriolet models.

5. Cut open insulating tube for wiring harness, starting at the rubber grommets and continuing for approx. 20 cm to the right.
6. Remove PVC insulating tape.
7. Remove shrink-fit caps from connector joints.
8. Cut off connectors.
9. Remove combination wires.
10. Fit repair wires, starting at wheel carriers and routing them towards the seat well.
11. Strip wire along a length of 10 mm.
12. Connect wires according to table using crimp connectors and standard crimping tool (A).



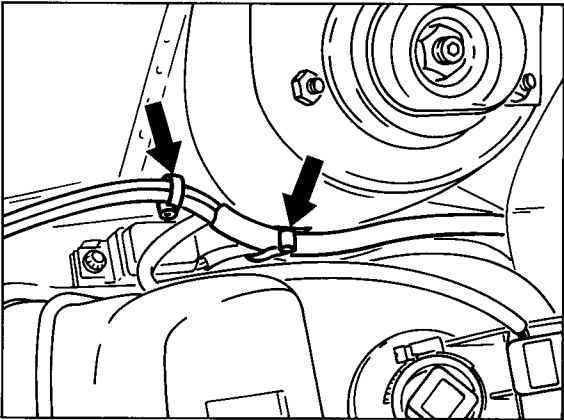
1316 - 97

Combination wire Wiring harn. No. 2

Color	Length	Color
		rear left
br/sw	30 mm	br/sw
br/gn	60 mm	br/gn
br/ws	90 mm	ws*
br/bl	120 mm	Screen
br	150 mm	br
		rear right
br/sw	30 mm	br/sw
br/gn	60 mm	br/gn
br/ws	90 mm	ge*
br/bl	120 mm	Screen
br	150 mm	br

Front right

1. Disconnect battery.
2. Remove RH front wheel
3. Remove rear wheel housing liner.
4. Slacken tie-wrap in wheel housing area.
5. Slacken tie-wrap in luggage compartment.



6. Cut open insulating tube along wiring harness.
7. Remove PVC insulating tape.
8. Remove shrink-fit caps from connector joints.
9. Cut off connectors.
10. Remove combination wiring.
11. Fit repair wiring.
12. Strip wires along a length of 10 mm.

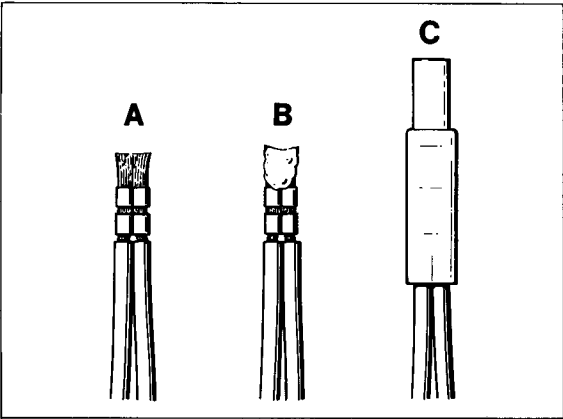
* screened wires

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

13. Solder tips after crimping (B).
14. Fit shrink-fit caps and shrink them using a hot-air gun (C).
15. Wrap up entire connector joint area using commercially available PVC tape.

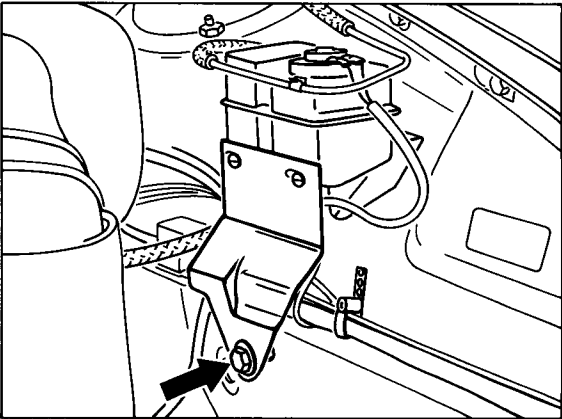
13. Connect wires according to table using crimp connectors and standard crimping tool (A).

16. Wrap up entire connector joint area using commercially available PVC tape.



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Combination wire		Wiring harness No. 3
Color	Length	Color
		front right
br/sw	30 mm	br/sw
br/gn	60 mm	br/gn
br/ws	90 mm	gn*
br/bl	120 mm	Screen
br	150 mm	br



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- * screened wire
- br - brown
 - sw - black
 - bl - blue
 - ws - white
 - gn - green

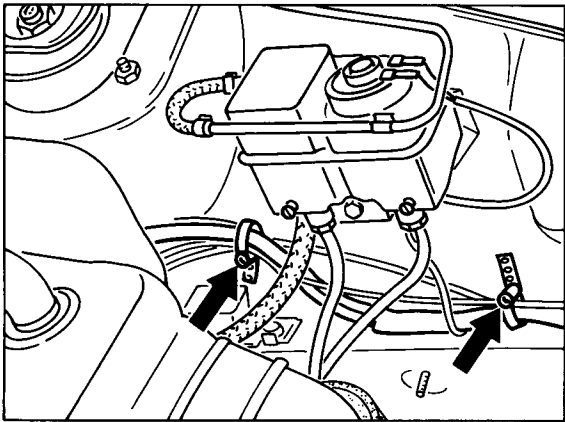
14. Solder tips after crimping (B).

15. Fit shrink-fit caps and shrink them using a hot-air gun (C).

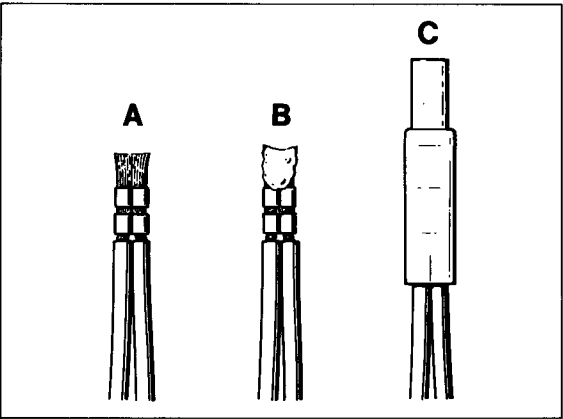
Front left

1. Disconnect battery.
2. Remove LH front wheel
3. Remove rear wheel housing liner.
4. Slacken tie-wrap in wheel housing area.
5. Remove bracket for brake fluid reservoir.

6. Slacken tie-wrap in luggage compartment.



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7. Cut open insulating tube along wiring harness.

8. Remove PVC insulating tape.

9. Remove shrink caps from connector joints.

10. Cut off connectors.

11. Remove combination wire.

12. Fit repair wiring.

13. Strip wires along a length of 10 mm.

14. Connect wires according to table, using crimp connectors and standard crimping tool (A).

Combination wire Wiring harn. No. 3

Color	Length	Color
		front left
br/sw	30 mm	br/sw
br/gn	60 mm	br/gn
br/ws	90 mm	rt*
br/bl	120 mm	Screen
br	150 mm	br

* screened wire

- br - brown
- sw - black
- rt - red
- bl - blue
- ws - white
- gn - green

15. Solder tips after crimping (B).

16. Put shrink-fit caps into place and shrink them using a hot-air gun (C).

17. Wrap up entire connector joint area using commercially available PVC tape.

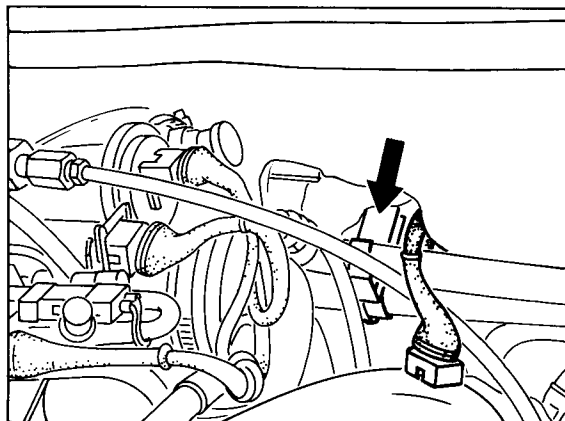
Repairing wiring harness No. 173 (DME wiring harness)

Replacing air flow sensor connector

Situation: Rough engine running, e.g. poor throttle response, rough idling.

Note

Leave a gap of approx. 15 mm between the air flow sensor connector and the oil tank breather pipe. If the gap is too small or if the connector touches the breather pipe, check the breather pipe routing and correct it if required.

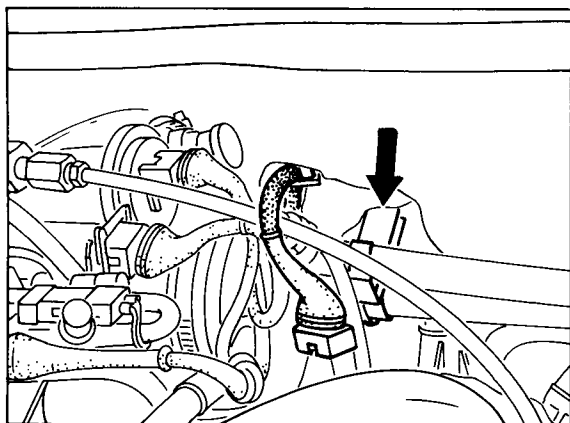


911 Carrera

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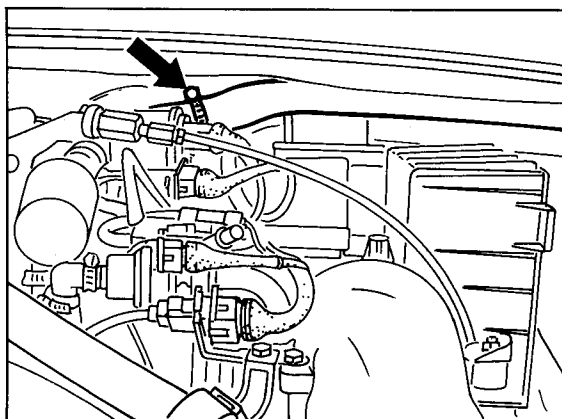
On the Speedster, the breather pipe bracket is located to the right of the air flow sensor wire while, on the 911 Carrera, it is located to the left.

1. Remove upper air filter section with filter element.
2. Release oil tank breather hose from rubber shroud.



Speedster

1786-97



1788-97

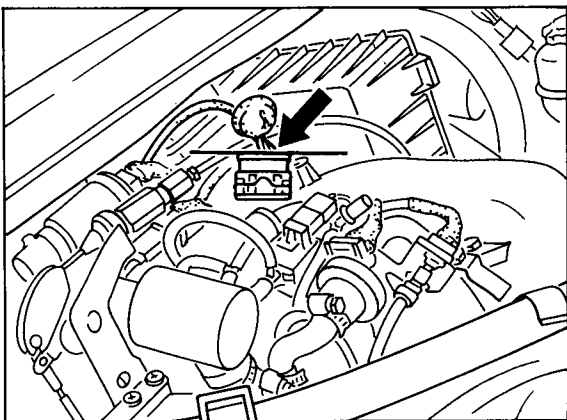
3. Pull connector off the air flow sensor. The connector is accessible from the right-hand side across the air filter.

4. Pull out wiring harness complete with connector from between air flow sensor and idle speed positioner towards the rear.
5. Push back rubber sleeve.

Note

If the vehicle is fitted with a rubber sleeve with straight wire exit, fit angled rubber sleeve (wire exits towards left) from the repair kit.

6. Cut off wires close to the connector housing.



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7. Strip wires along a length of approx. 5 mm.
8. Crimp connector contacts from repair kit with a crimping tool, e.g. VAG 000.097.003 A.
9. Connect wires to connector housing according to wiring diagram or the below table.
 - 1 - blue/grey
 - 2 - green/red
 - 3 - blue/green
 - 4 - green/black
 - 5 - not used

Wiring Diagram Type 911 Carrera 4 Model 89

The wiring diagram consists of *11 individual wiring diagrams*, 1 sheet *construction components* and 1 sheet *plug connections and ground points*. These are divided into coordinate fields.

Each individual wiring diagram contains a part of the central-electrics box in a dashdotted frame.

This part of the central-electrics box shows all the lines and relays necessary for the individual wiring diagram.

The earth/ground points are identified by "MP" and their location is shown in a vehicle diagram.

The 10-pin connectors on the central-electrics box are clipped together out of 3 parts, the 20-pin connectors are clipped together out of 5 parts.

Part 1, with the moduled-on fastening lug, is the "starting element".

Parts 2,3 and 4 are "module elements".

The 10-pin connectors only contents one "module element".

Start- and module elements are identified by the numbers 1.....5.

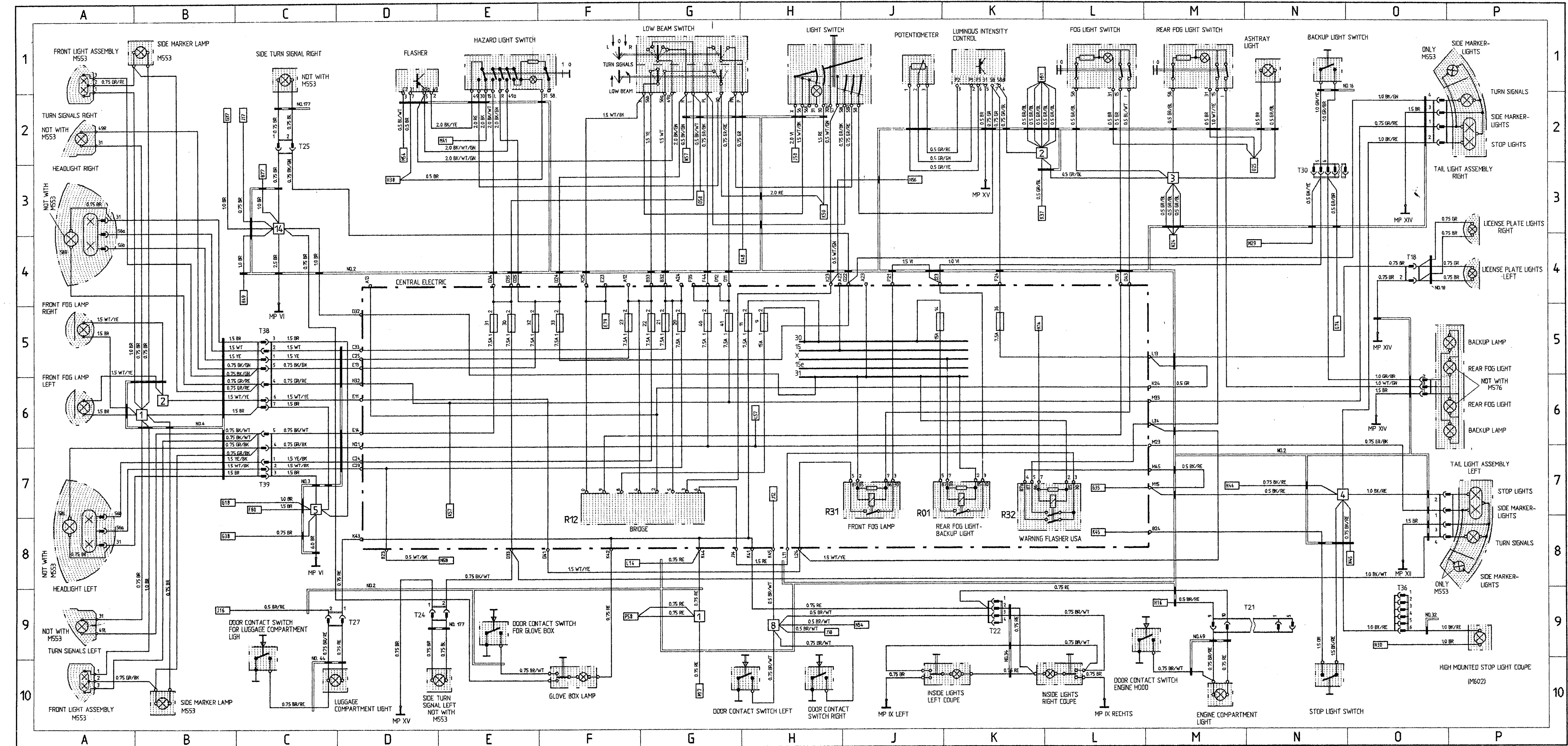
Part 5 ist a "coding element".

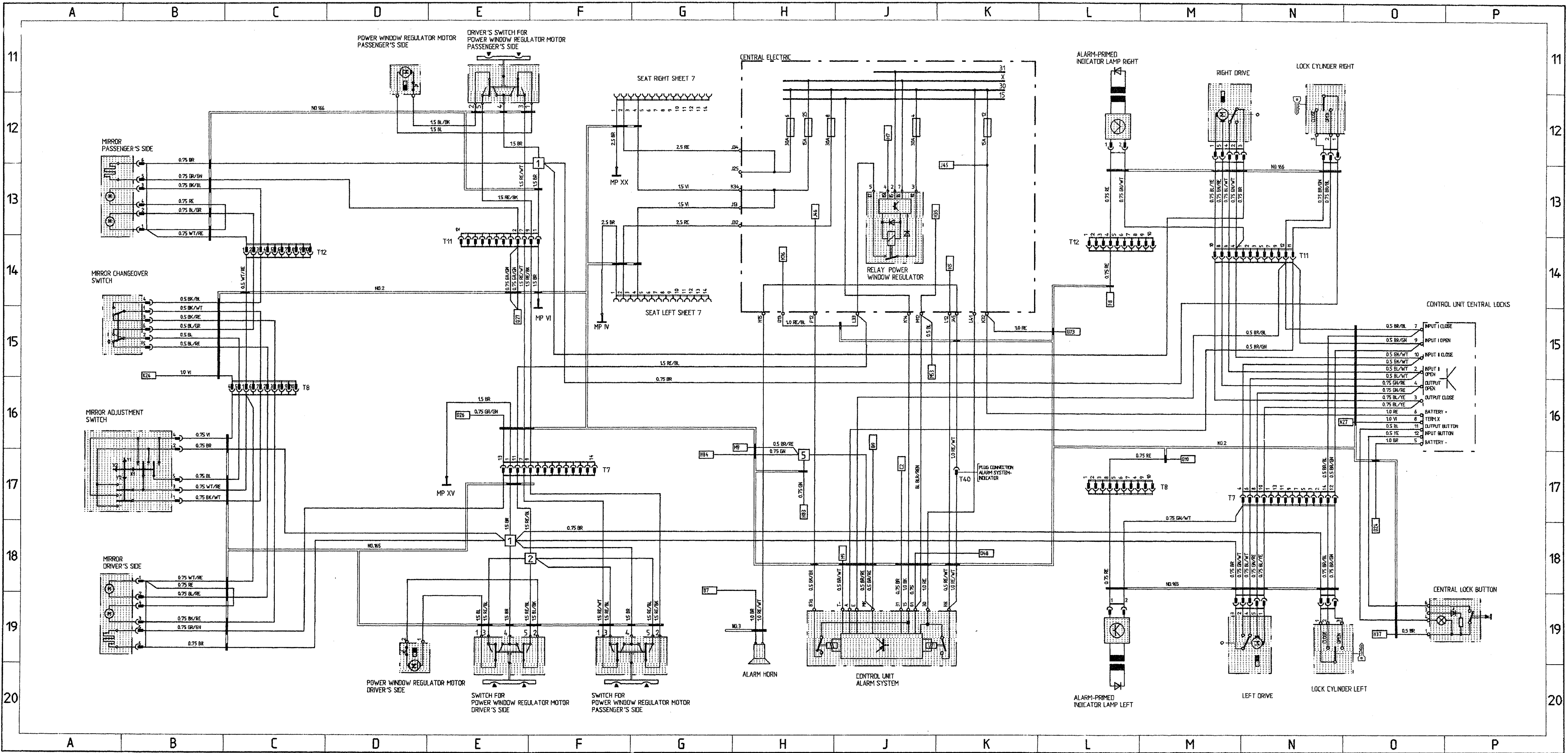
The designations of the plug connections in the wiring diagram refer to the "starting element" from, for example, B 11.....15, and to the first module element from B 21.....25.

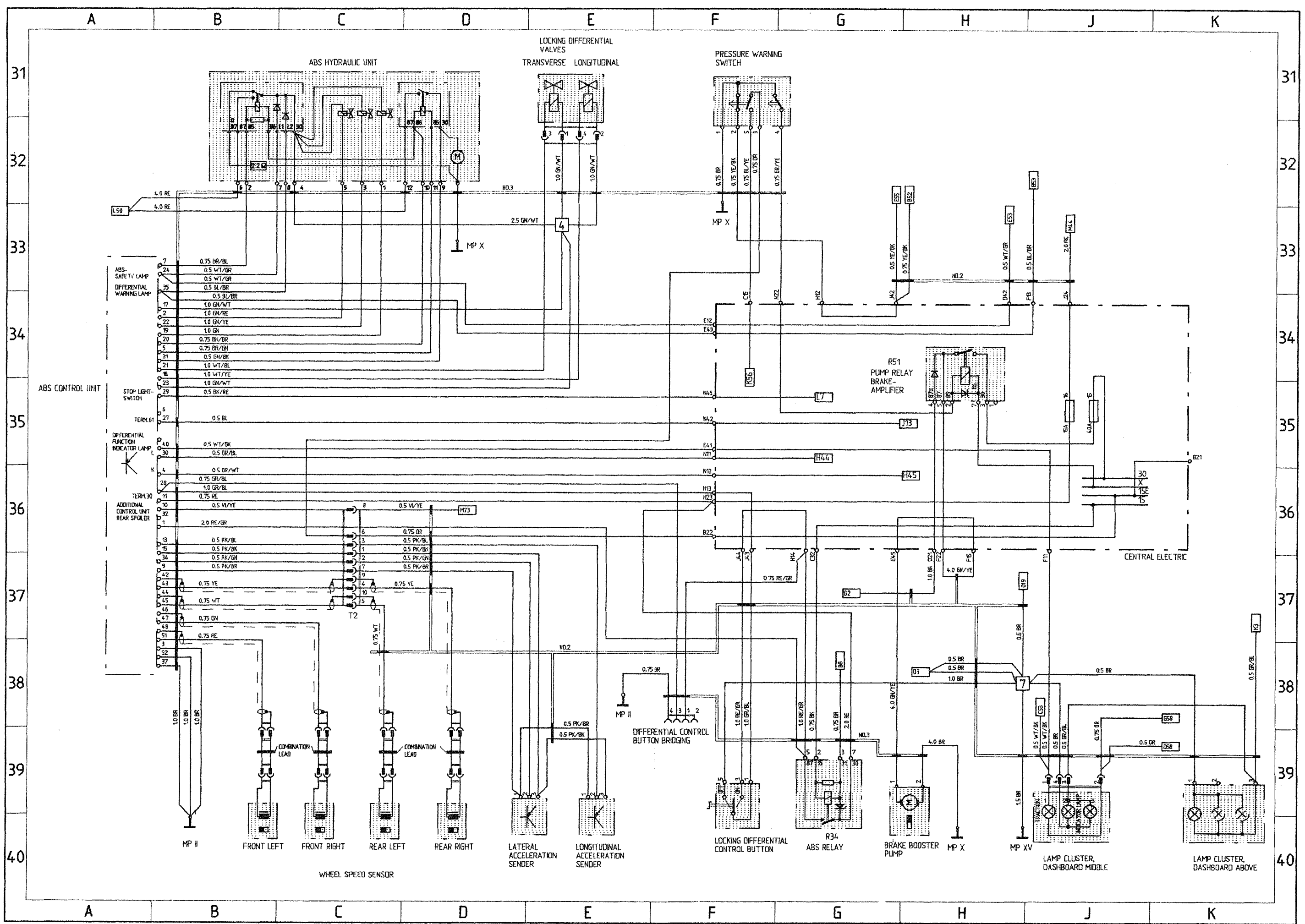
Wiring Diagram Type 911Carrera 4 Model 89

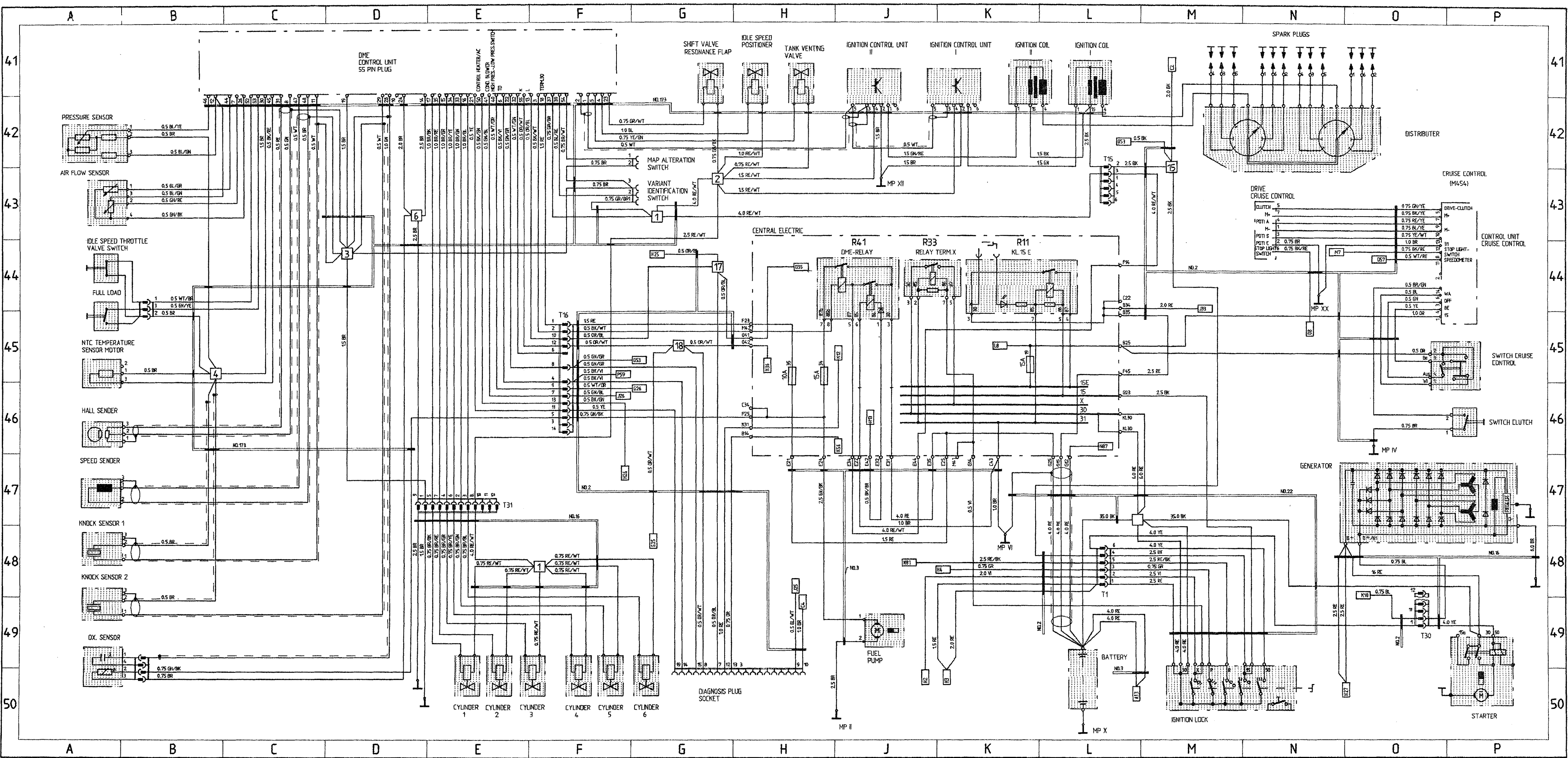
Coordinates

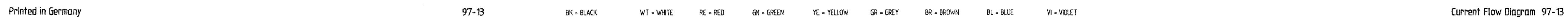
Sheet 1	1 - 10	Lights
Sheet 2	11 - 20	Alarm System, Central Locks, Mirror, Power Window Regulator
Sheet 3	21 - 30	Heater, AC, Coolant Fan, Rear Window Defogger
Sheet 4	31 - 40	ABS, Porsche Dynamic AWD Control
Sheet 5	41 - 50	Motor, Ignition, Cruise Control
Sheet 6	51 - 60	Instruments, Sender, Central Informer
Sheet 7	61 - 70	Seats
Sheet 8	71 - 80	Rear Spoiler, Two-Tone Horns, Wipe- and Wash Cleaners
Sheet 9	81 - 90	Radio
Sheet 10	91 - 100	Fog Light, Rear Fog Light
Sheet 11		Central Electric
Sheet 12		Construction Components
Sheet 13		Plug Connections and Ground Points

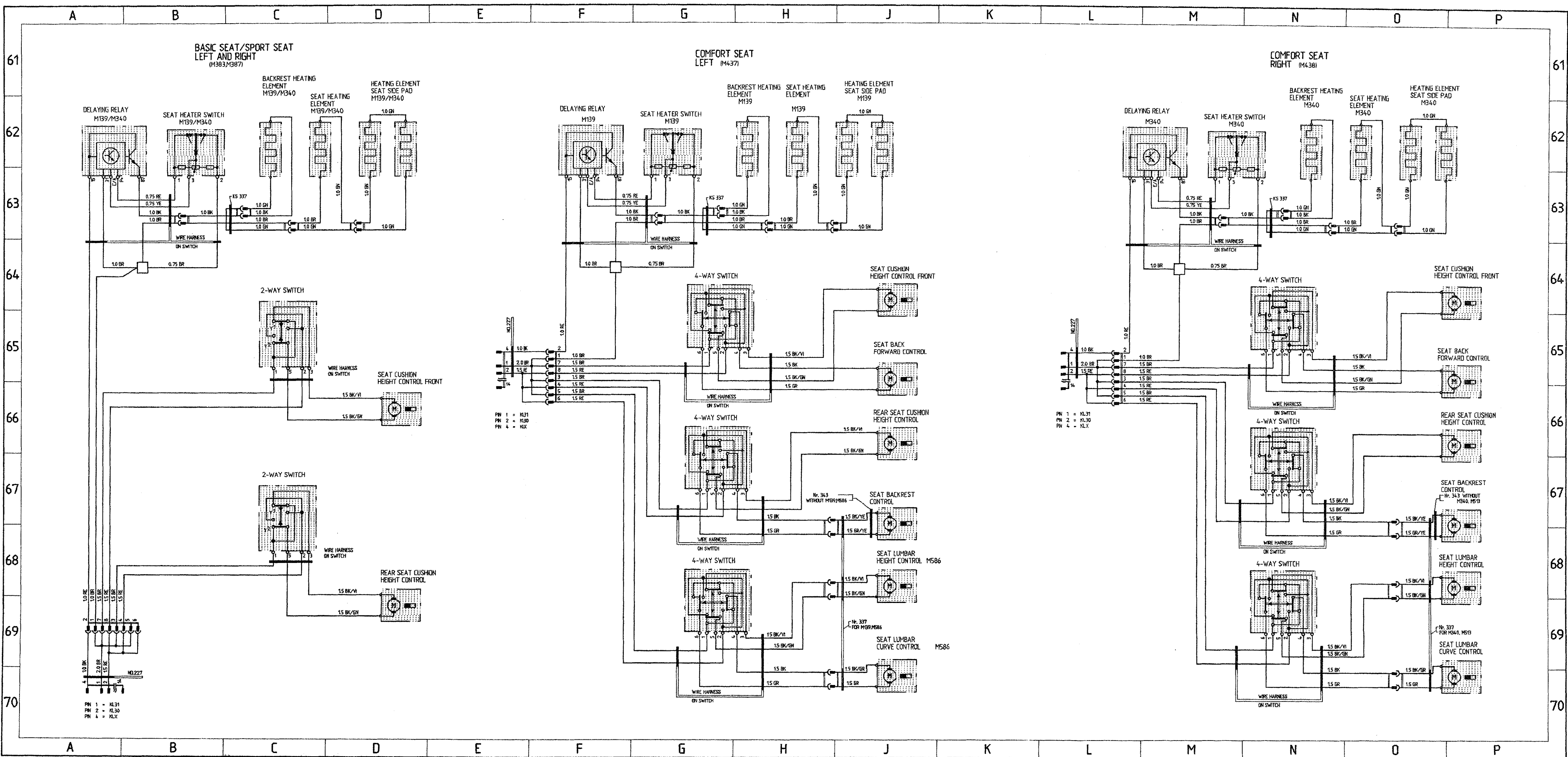


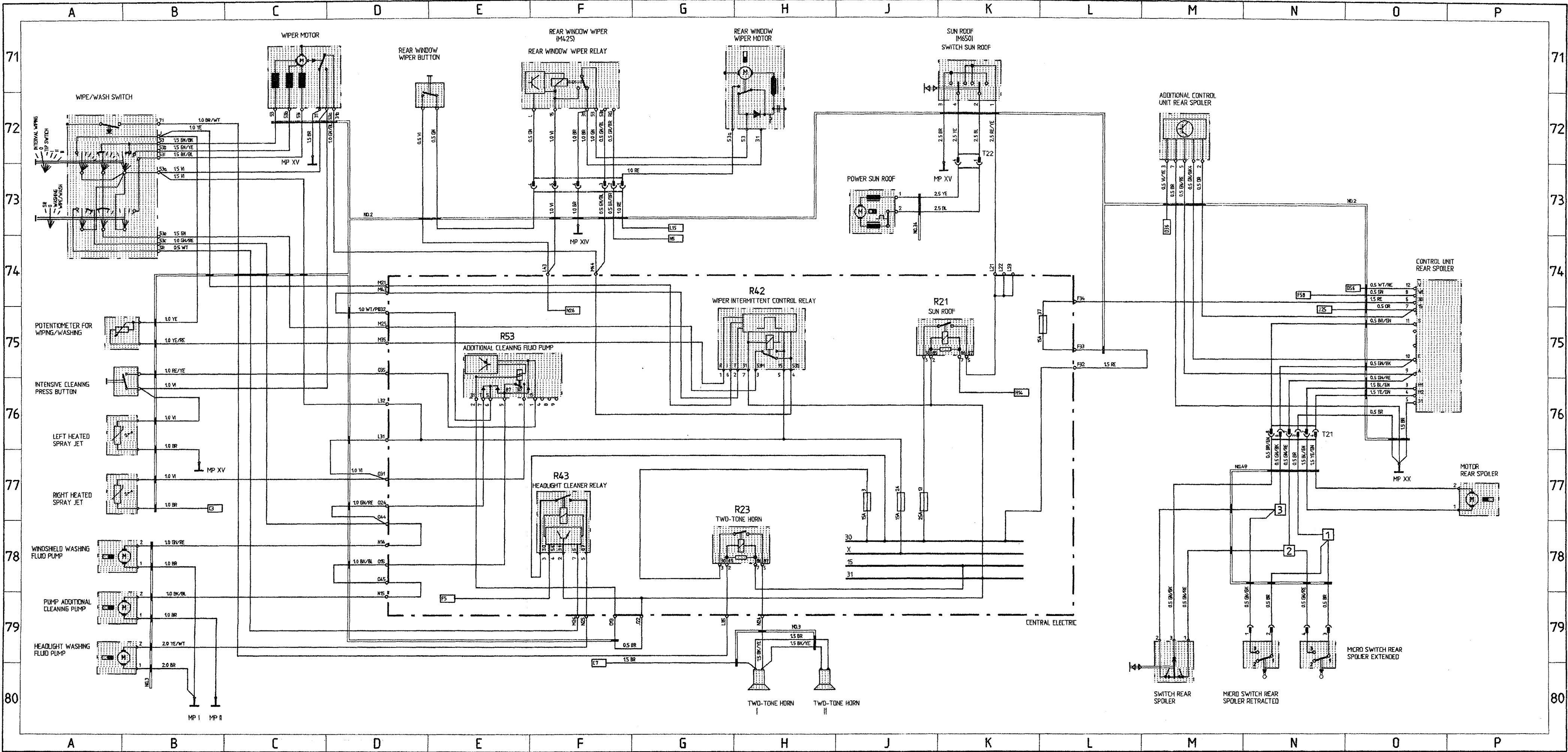


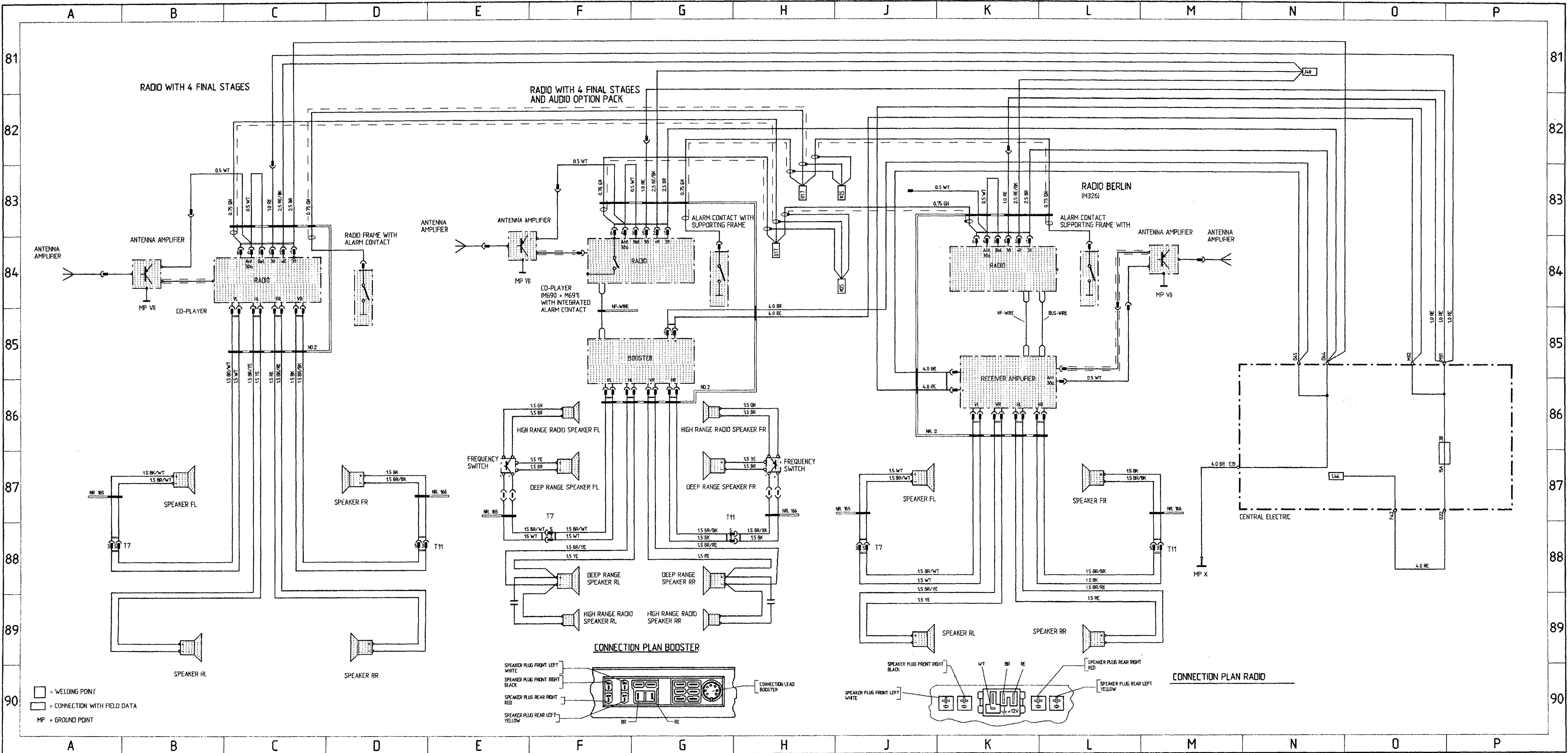




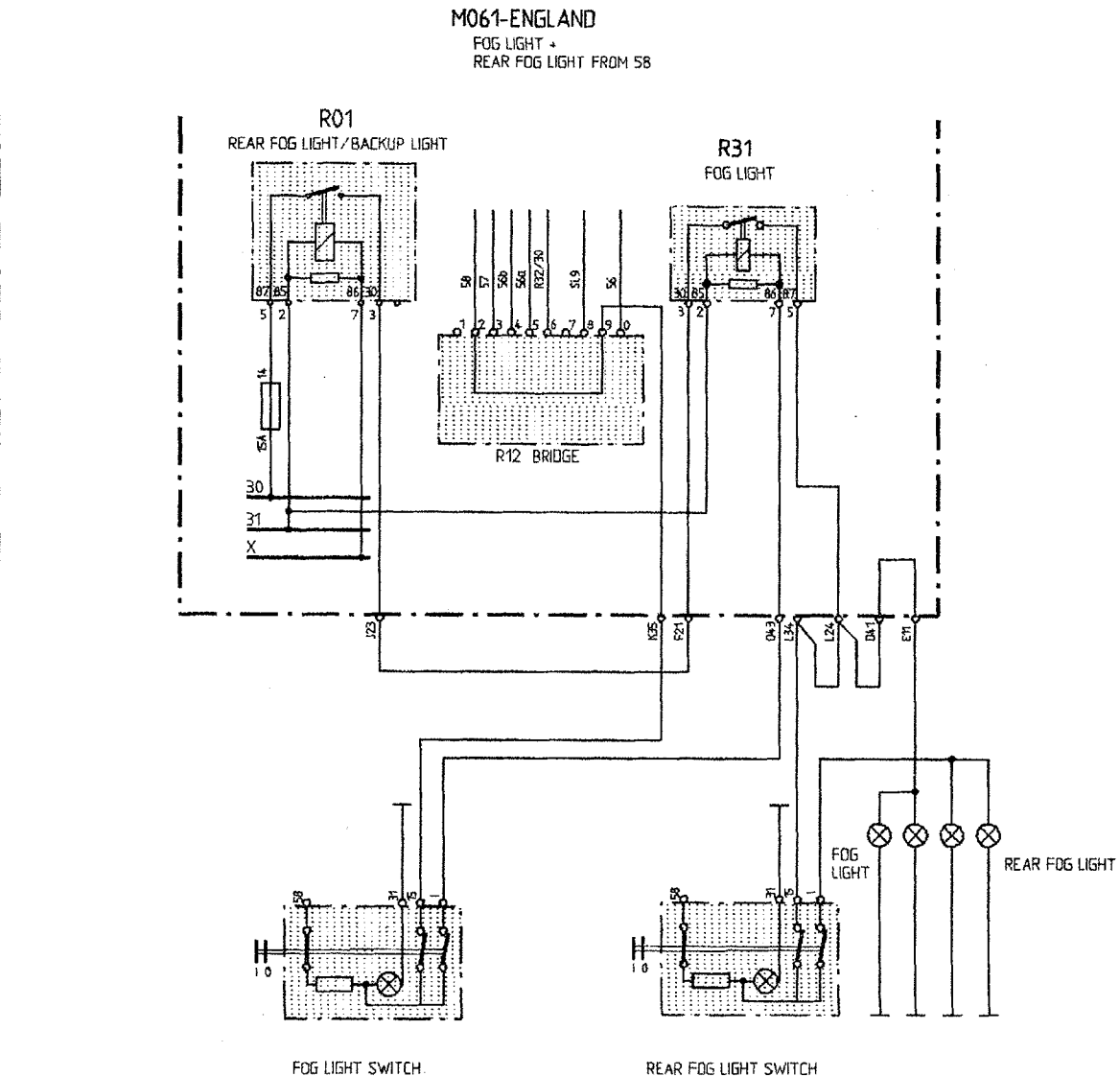
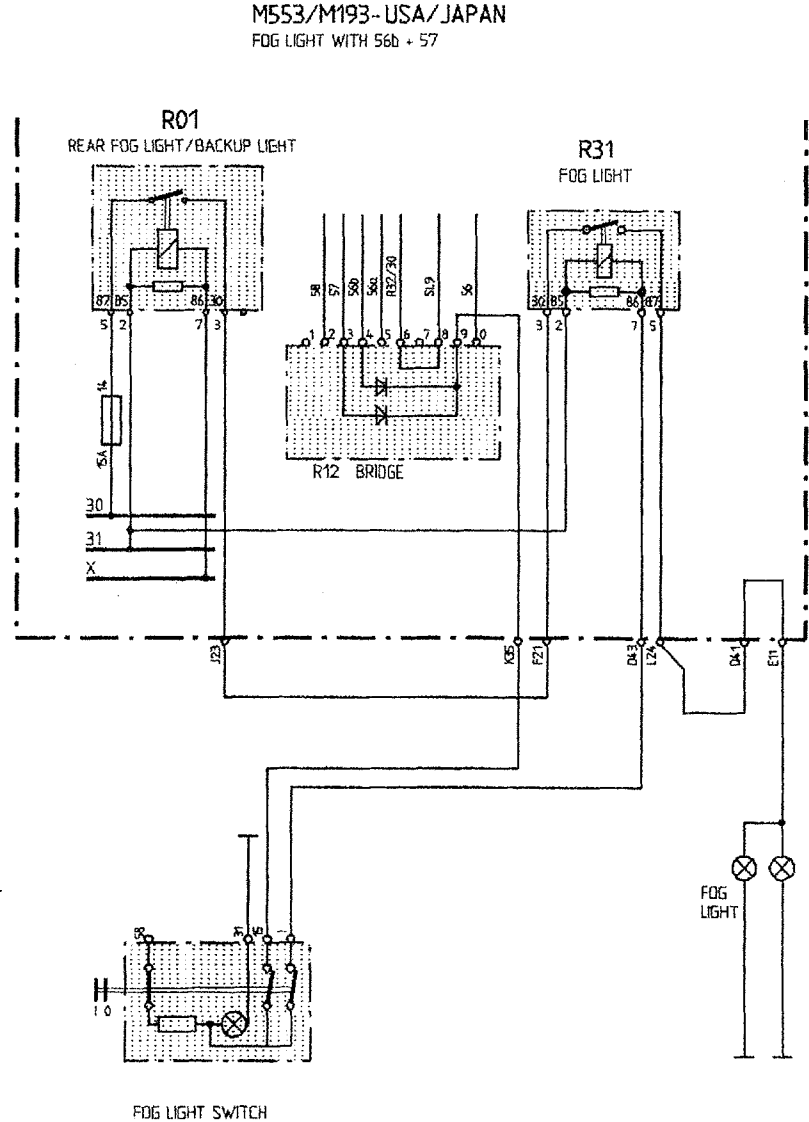
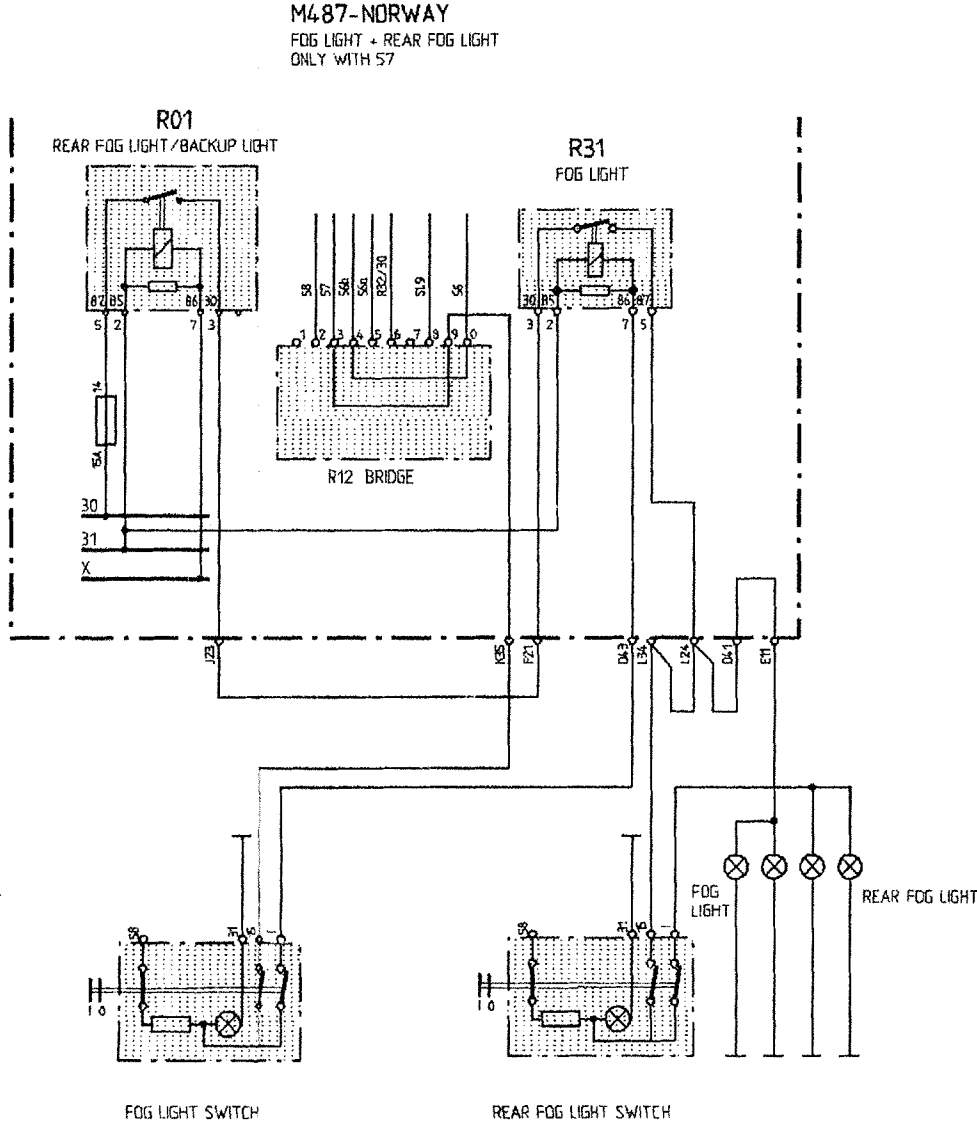
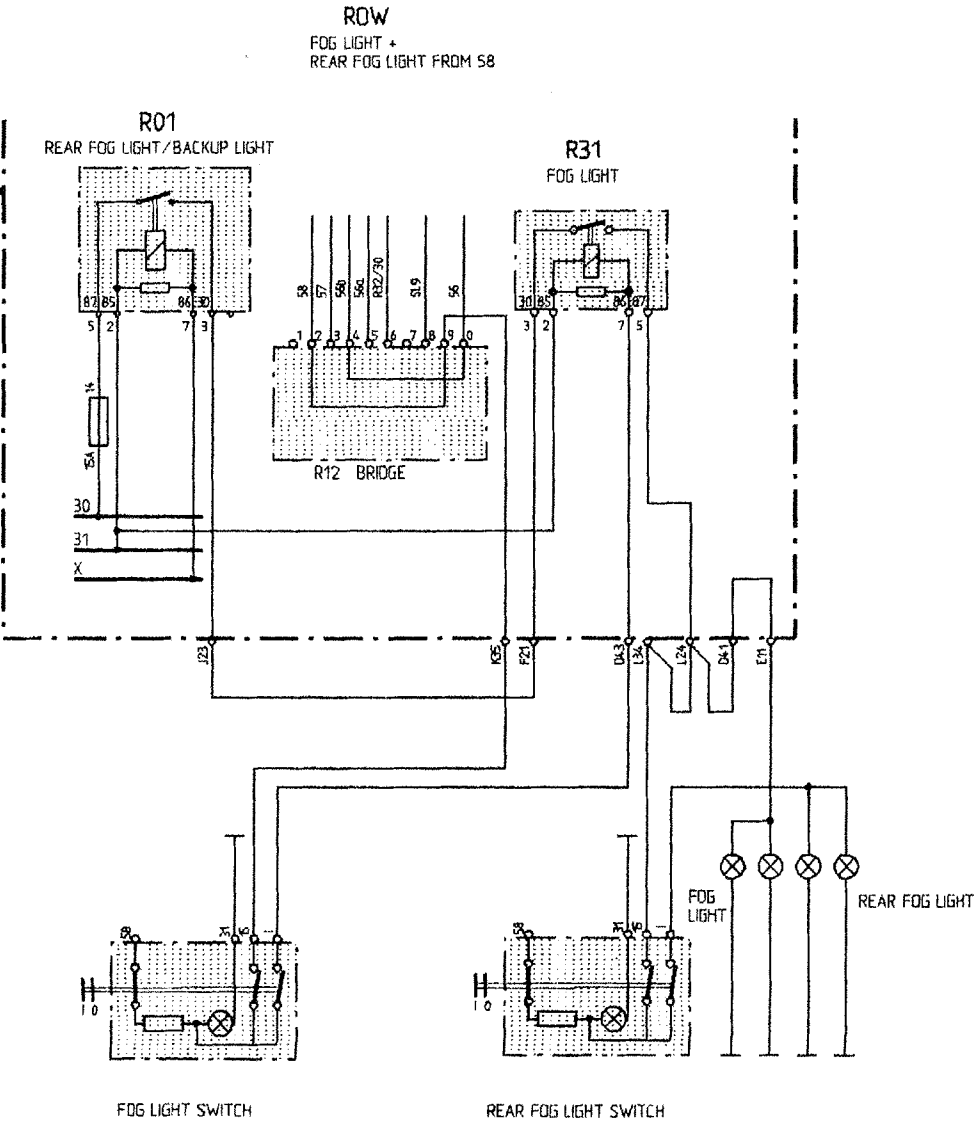


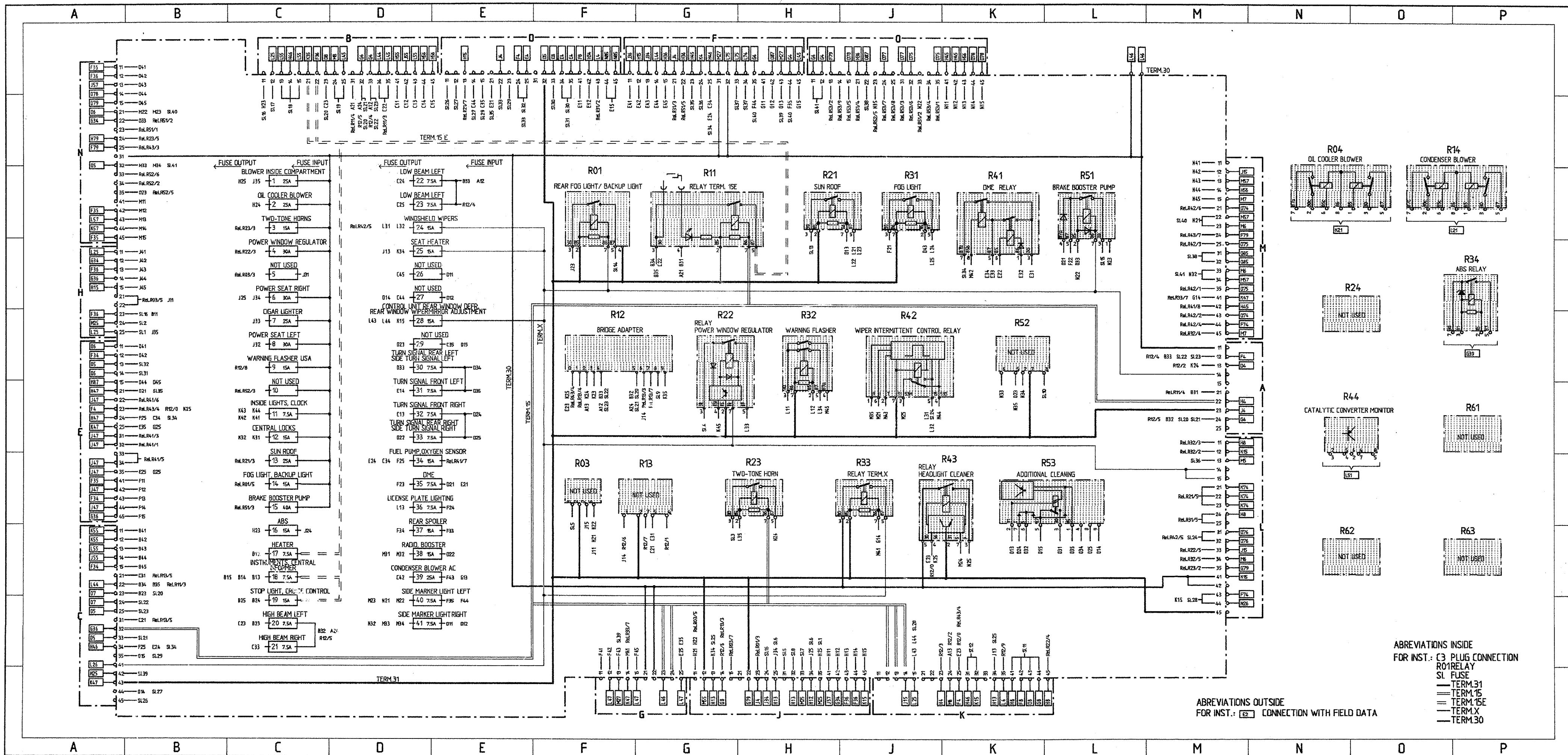






FOG LIGHT - AND REAR FOG LIGHT - GEARSHIFT MECHANISM



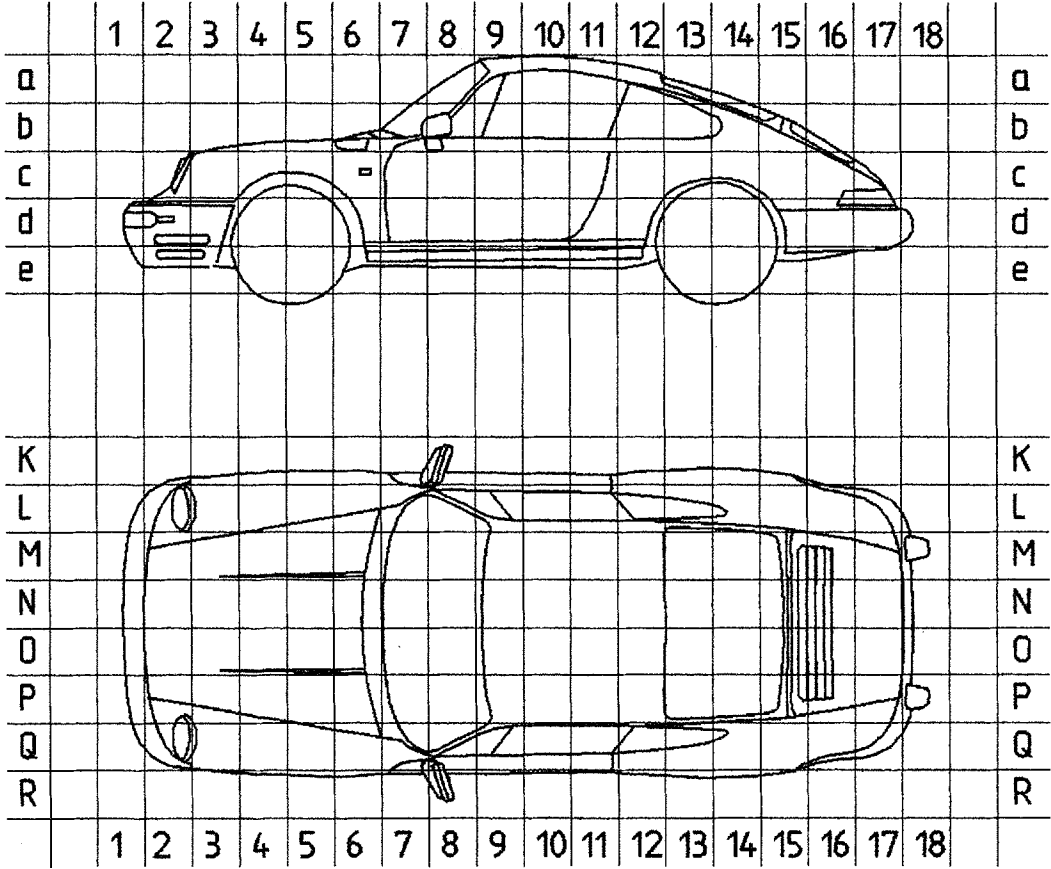


CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE	NOTE	FIELD IN WIRE DIAGRAM
	LHD		
ABS RELAY	6cM	CENTRAL ELECTRIC	G39/40
ALARM HORN	3cL	IN WHEEL HOUSING FRONT RIGHT	H19
ANTENNA AMPLIFIER	7bL	IN LUGGAGE COMPARTMENT	B84,E84,M84
FLASHER	7dN	IN CENTRE CONSOLE	D1
BOOSTER	9eM	UNDER THE SEAT RIGHT	G85
DIAGNOSIS PLUG SOCKET	7cL	IN PASSENGER'S FOOTWELL	G/H50
OME RELAY	6cM	CENTRAL ELECTRIC	J44
OME CONTROL UNIT	9eP	UNDER THE SEAT LEFT	B-F41
SPEED SENDER	15cP	ON ENGINE LEFT	A47
THROTTLE VALVE SWITCH	15bN	ON THROTTLE VALVE ASSEMBLY	A44/45
PRESSURE SENSOR	10eP	UNDER THE SEAT LEFT	A42
PRESSURE WARNING SWITCH	1dD	IN LUGGAGE COMPARTMENT	F31
PRESSURE SWITCH AIR CONDITIONING SYSTEM	6bD	IN LUGGAGE COMPARTMENT	E30
RECEIVER FOR RADIO BERLIN	9eM	UNDER THE SEAT RIGHT	K86
TWO-TONE HORN	3cL	IN WHEEL HOUSING FRONT RIGHT	H80
TWO-TONE HORN	3cL	IN WHEEL HOUSING FRONT RIGHT	H80
FREQUENCY SWITCH FRONT LEFT	9dQ	UNDER THE DOOR TRIM PANEL	E87
FREQUENCY SWITCH FRONT RIGHT	9dL	UNDER THE DOOR TRIM PANEL	H87
BLOWER FINAL STAGE	6bN	IN LUGGAGE COMPARTMENT	F30
BLOWER MOTOR RIGHT	6cM	IN LUGGAGE COMPARTMENT	G30
BLOWER MOTOR LEFT	6cP	IN LUGGAGE COMPARTMENT	F30
GONG RELAY	6cP	ON STEERING COLUMN LEFT	P53/54
HALL SENDER	17cD	ON DISTRIBUTOR	A46
SWITCH REAR SPOILER	17cD	ON TAILGATE	M79
REAR WINDOW WIPER RELAY	15bD	ON REAR WINDOW WIPER MOTOR	F71
HYDRAULIC UNIT ABS	3dP	IN LUGGAGE COMPARTMENT	C32
PULSE SENDER	13dD	ON GEARBOX	A58
MAP ALTERATION- SWITCH	9eP	UNDER THE SEAT LEFT	G42
KNOCK SENSOR1	15cP	ON ENGINE LEFT	A48
KNOCK SENSOR2	16cN	ON ENGINE ABOVE	A49
CONDENSER BLOWER	2dQ	IN WHEEL HOUSING FRONT LEFT	N21
FUEL PUMP	6eM	BEHIND THE BASE	J49
LOCKING DIFFERENTIAL VALVES, LONGITUDINAL	3dM	IN LUGGAGE COMPARTMENT	E31
IDLE SPEED POSITIONER	15bN	ENGINE COMPARTMENT	H41
MICRO SWITCH REAR SPOILER EXTENDED	16bP	ON TAILGATE	N79
MICRO SWITCH REAR SPOILER RETRACTED	16bP	ON TAILGATE	N79
MOTOR SUN ROOF	12dN	IN ROOF	J73
NTC HEATER FAN	16cP	ENGINE COMPARTMENT	G30
OIL PRESSURE SENDER	14cN	ON ENGINE	A55/56
OIL PRESSURE SWITCH	14cN	ON ENGINE	A55/56
OIL COOLER BLOWER	2dL	IN WHEEL HOUSING FRONT RIGHT	D21
OIL LEVEL GAGE	12cK	IN WHEEL HOUSING REAR RIGHT	E/F51/52
OIL TEMPERATURE SENDER	14cN	ON ENGINE	A54
BRAKE BOOSTER PUMP	1dD	IN LUGGAGE COMPARTMENT	H39/40
LOCKING DIFFERENTIAL VALVES, TRANSVERSE	3dM	IN LUGGAGE COMPARTMENT	E31

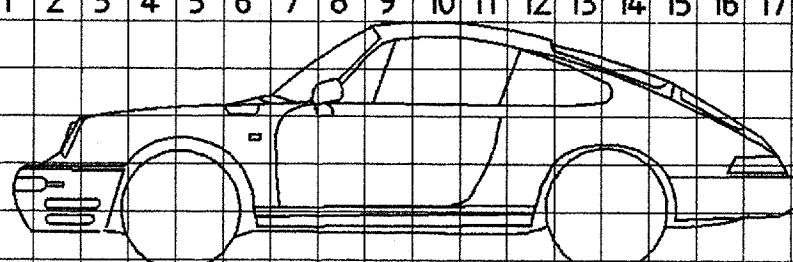
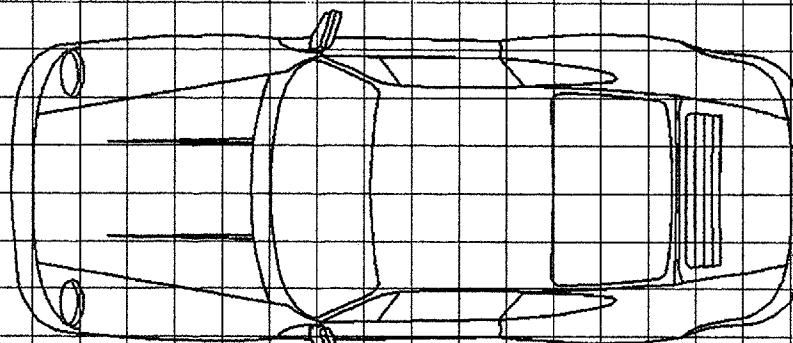
CONSTRUCTION COMPONENTS

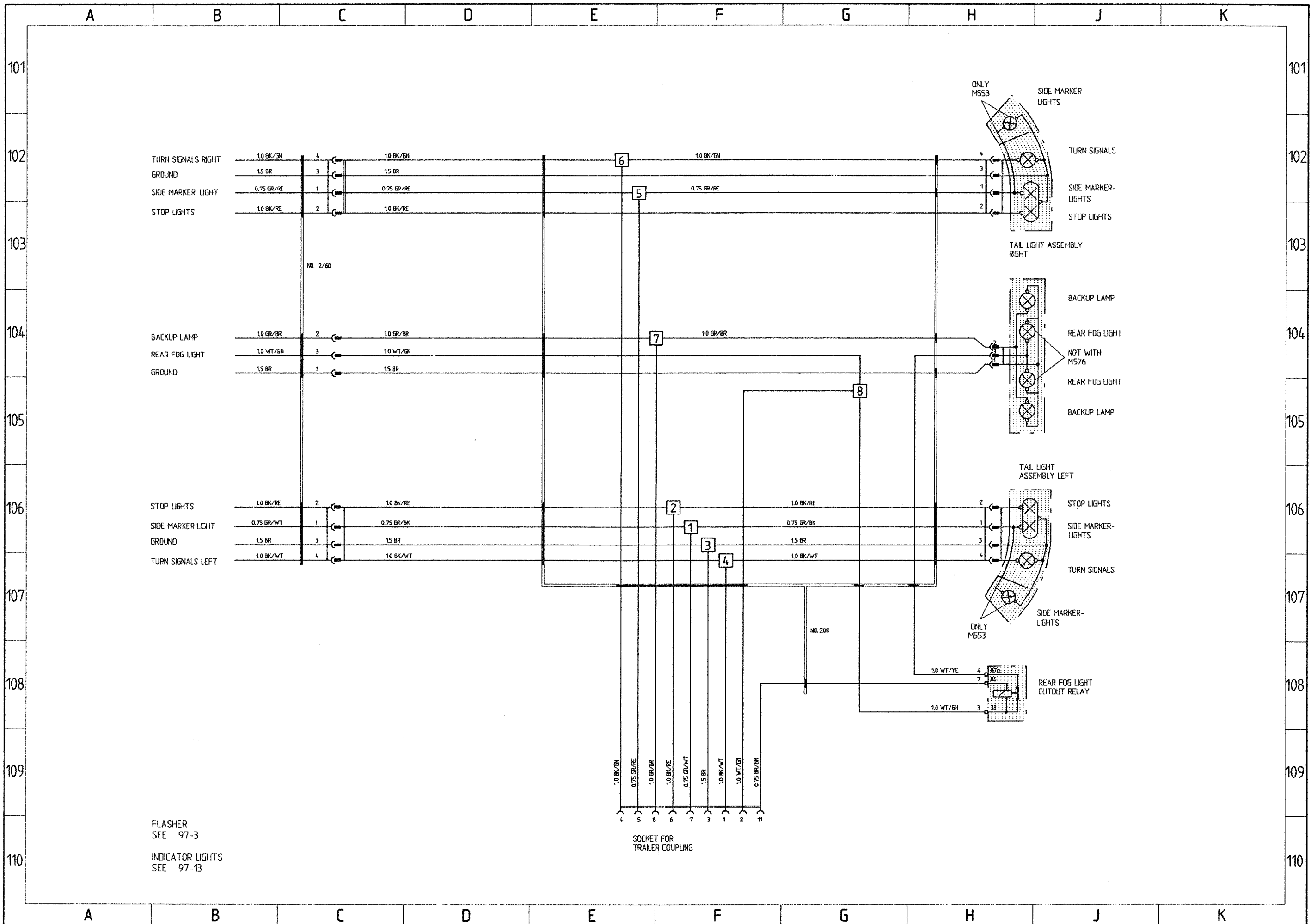
DESIGNATION, FUNCTION	POSITION IN VEHICLE	NOTE	FIELD IN WIRE DIAGRAM
	LHD		
CONTROL RELAY REAR WINDOW DEFOGGER	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	D/P29/30
RELAY CONDENSER BLOWER	6cM	CENTRAL ELECTRIC	L21
RELAY AC COMPRESSOR	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	L30
RELAY ALARM SYSTEM USA	6cM	CENTRAL ELECTRIC	K/L7
RELAY TWO-TONE HORN	6cM	CENTRAL ELECTRIC	G/H78
RELAY POWER WINDOW REGULATOR	6cM	CENTRAL ELECTRIC	J13/14
RELAY BLOWER	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	J/K30
RELAY ADDITIONAL CLEANING FLUID PUMP	6cM	CENTRAL ELECTRIC	E75/76
RELAY CATALYZER	6cM	CENTRAL ELECTRIC	L/M51
RELAY TERM.X	6cM	CENTRAL ELECTRIC	K44
RELAY TERM.15 E	6cM	CENTRAL ELECTRIC	K/L44
RELAY REAR FOG LIGHT- BACKUP LIGHT	6cM	CENTRAL ELECTRIC	J/K7
RELAY FRONT FOG LAMP	6cM	CENTRAL ELECTRIC	J7
RELAY OIL COOLER BLOWER	6cM	CENTRAL ELECTRIC	K21
RELAY BRAKE BOOSTER PUMP	6cM	CENTRAL ELECTRIC	H34/35
RELAY SUN ROOF	6cM	CENTRAL ELECTRIC	J/K75
BACKUP LIGHT SWITCH	14dN	ON GEARBOX RIGHT	N1
SHIFT VALVE RESONANCE FLAP	15bN	ON ENGINE	G41
WINDSHIELD WASHING FLUID PUMP	3cQ	ON WINDSHIELD WASHER TANK IN WHEEL HOUSING FRONT LEFT	A78
FUSES ENGINE COMPARTMENT	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	L28
HEADLIGHT CLEANER PUMP	3cQ	ON WINDSHIELD WASHER TANK IN WHEEL HOUSING FRONT LEFT	A79/80
HEADLIGHT CLEANER RELAY	6cM	CENTRAL ELECTRIC	F77/78
STARTER	14dN	ON CLUTCH BELL HOUSING RIGHT	P49/50
DRIVE CRUISE CONTROL	15cD	ON ENGINE	N43/44
CONTROL UNIT ABS	2dM	IN LUGGAGE COMPARTMENT	A33-38
CONTROL UNIT ALARM SYSTEM	7bL	IN LUGGAGE COMPARTMENT	J19
CONTROL UNIT INSTRUMENT LIGHTS	7bQ	IN LUGGAGE COMPARTMENT LEFT	K1
CONTROL UNIT REAR SPOILER	9eN	UNDER THE SEAT RIGHT	D74-76
CONTROL UNIT HEATER, AIR CONDITIONER	7cD	ON INSTRUMENT PANEL	B-F21
CONTROL UNIT CRUISE CONTROL	9eN	UNDER THE SEAT RIGHT	P43/44
CONTROL UNIT CENTRAL LOCKS	6cN	UNDER THE INSTRUMENT PANEL	P15/16
BUZZER CONTACT	7cP	ON IGNITION LOCK	P56
FUEL LEVEL SENDER	5cM	IN FUEL TANK	K51
TANK VENTING VALVE	15cN	ON ENGINE ABOVE	H41
TEMPERATURE MOTOR	15cP	ON ENGINE LEFT	A45
VARIANT IDENTIFICATION SWITCH	9eP	UNDER THE SEAT LEFT	G43
RESISTOR BLOWER	16dP	ENGINE COMPARTMENT	J30
RESISTOR CONDENSER BLOWER	2dQ	IN WHEEL HOUSING FRONT LEFT	M21
RESISTOR OIL COOLER BLOWER	2dL	IN WHEEL HOUSING FRONT RIGHT	M21
WARNING BUZZER	7cP	ON INSTRUMENT PANEL	E60
WIPER INTERMITTENT CONTROL RELAY	6cM	CENTRAL ELECTRIC	H75
CENTRAL ELECTRIC	6cM	IN LUGGAGE COMPARTMENT	---
CENTRL INFORMER	6cP	ON STEERING COLUMN LEFT	F56
IGNITION CONTROL UNIT I	15cP	ENGINE COMPARTMENT LEFT	K41
IGNITION CONTROL UNIT II	15cP	ENGINE COMPARTMENT LEFT	J41
IGNITION COIL	15cQ	ENGINE COMPARTMENT LEFT	L41
IGNITION COIL	15cQ	ENGINE COMPARTMENT LEFT	K41
ADDITIONAL CLEANING FLUID PUMP	4cM	IN LUGGAGE COMPARTMENT	A79



PLUG CONNECTIONS AND GROUND POINTS

A		B		C		D		E		F		G		H		J		K		L		M		N		O		P																					
PLUG CONNECTIONS																																M - NUMBERS																	
CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE LHD	NOTE	FIELD																																												
T1	6	IGNITION LOCK	6cP	ON STEERING COLUMN LEFT	L48																																												
T2	10	ABS	6cL	IN LUGGAGE COMPARTMENT RIGHT	C36/37																																												
T5	14	HEATER, AIR CONDITIONER	6cM	UNDER THE INSTRUMENT PANEL RIGHT	G25/26																																												
T7	14	DOOR DRIVER'S SIDE	6cQ	UNDER THE INSTRUMENT PANEL LEFT	N17/A88,F88,J88																																												
T8	10	DOOR DRIVER'S SIDE	6cQ	UNDER THE INSTRUMENT PANEL LEFT	C16,E/F17,L17																																												
T11	12	DOOR PASSENGER'S SIDE	6cL	UNDER THE INSTRUMENT PANEL RIGHT	E14,M/N14,D88,H88,M88																																												
T12	10	DOOR PASSENGER'S SIDE	6cL	UNDER THE INSTRUMENT PANEL RIGHT	C14,L/M14																																												
T15	6	DME	9eP	UNDER THE SEAT LEFT	L43/B54																																												
T16	14	DME	9eP	UNDER THE SEAT LEFT	F45/46,D58																																												
T18	2	LICENSE PLATE LIGHTS	17dL	TAIL LIGHTS RIGHT	04																																												
T19	2	OIL LEVEL GAGE	15cM	ENGINE COMPARTMENT RIGHT	E52																																												
T21	10	TAILGATE	15cL	ENGINE COMPARTMENT RIGHT	M/N9,N76																																												
T22	4	INSIDE LIGHTS, SUN ROOF	15dM	BELOW THE PARCEL TRAY	K9,K72																																												
T24	2	SIDE TURN SIGNAL LEFT	7bQ	IN LUGGAGE AT THE LONGITUDINAL SUPPORT LEFT	D/E9																																												
T25	2	SIDE TURN SIGNAL RIGHT	7bL	IN LUGGAGE AT THE LONGITUDINAL SUPPORT RIGHT	C2																																												
T27	2	LUGGAGE COMPARTMENT LIGHT	7bL	IN LUGGAGE AT THE LONGITUDINAL SUPPORT RIGHT	C/D9																																												
T30	14	NO. 16 MOTOR	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	N/D3,J27/28,048/49,B55-58																																												
T31	12	MOTOR, DME	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	D/E47,B54																																												
T34	14	HEATER, AIR CONDITIONER	6cM	IN LUGGAGE COMPARTMENT RIGHT	G23/24																																												
T36	6	REAR WINDOW	15dM	BELOW THE PARCEL TRAY	09,D28																																												
T38	7	NO.4, FRONT LIGHTS	3cL	IN WHEEL HOUSING FRONT RIGHT	C5/6																																												
T39	5	NO.4, FRONT LIGHTS	3cL	IN WHEEL HOUSING FRONT RIGHT	C6/7																																												
T40	1	ALARM SYSTEM INDICATOR	7bL	IN LUGGAGE COMPARTMENT	K17																																												
GROUND POINTS																																																	
CODE	NOTE		POSITION IN VEHICLE LHD																																														
MP I	LUGGAGE COMPARTMENT, WHEEL HOUSING LEFT		2cP																																														
MP II	LUGGAGE COMPARTMENT, WHEEL HOUSING RIGHT		2cM																																														
MP III	ON FIREWALL																																																
MP IV	GROUND OF POWER CONSUMERS UNDER THE SEAT LEFT		11eP																																														
MP V	ELECTRONIC UNDER THE SEAT LEFT		10eP																																														
MP VI	CENTRAL ELECTRIC ON LONGITUDINAL SUPPORT RIGHT		6dL																																														
MP VII	ANTENNA AMPLIFIER ON LONGITUDINAL SUPPORT RIGHT		7bL																																														
MP VIII	INSIDE LIGHTS CONVERTIBLE ROOF, CENTER, FRONT		9aN																																														
MP IX	INSIDE LIGHTS ROOF RIGHT		11aL																																														
MP IX	INSIDE LIGHTS ROOF LEFT		11aP																																														
MP X	BATTERY LUGGAGE COMPARTMENT LEFT		3eP																																														
MP XI	GROUND STRAP STARTER TRANSMISSION MOTOR BODY		14cM																																														
MP XII	ENGINE COMPARTMENT REAR LEFT		15cQ																																														
MP XII	MOTOR LEFT		15cQ																																														
MP XIV	ENGINE COMPARTM. REAR RIGHT		15cL																																														
MP XV	INSTRUMENT LONGITUDINAL SUPPORT LEFT		7bQ																																														
MP XVI	COMBINATION LEAD REAR LEFT		13dP																																														
MP XVII	COMBINATION LEAD REAR RIGHT		12dM																																														
MP XVIII	COMBINATION LEAD FRONT RIGHT		4cM																																														
MP XIX	COMBINATION LEAD FRONT LEFT		4cP																																														
MP XX	SEAT CROSS MEMBER UNDER THE SEAT RIGHT		8eL																																														
A B C D E F G H J K L M N O P																																																	

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
a																				a
b																				b
c																				c
d																				d
e																				e
K																				K
L																				L
M																				M
N																				N
O																				O
P																				P
Q																				Q
R																				R
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	



Modifications in wiring diagram 911 Carrera 4 model 89**Sheet 3, K/L 28**

The fuse for the engine compartment heating fan has been changed from 25 A to 30 A.
Please exchange sheet 11.

Please modify the wiring diagram accordingly.

Wiring Diagram

Type 911 Carrera 2 and 4

Model 90

	Coordinates	
Sheet 1	1 - 10	Lights
Sheet 2	11 - 20	Alarm System, Central Locks, Mirror, Power Window Regulator
Sheet 3	21 - 30	Heater, AC, Coolant Fan, Rear Window Defogger
Sheet 4	31 - 40	ABS, Porsche Dynamic AWD Control (Carrera 4)
Sheet 4a	31 - 40	ABS (Carrera 2)
Sheet 5	41 - 50	Motor, Ignition, Cruise Control
Sheet 6	51 - 60	Instruments, Sender, Central Informer
Sheet 7	61 - 70	Seats
Sheet 8	71 - 80	Rear Spoiler, Two-Tone Horns, Wipe- and Wash Cleaners, Sun Roof, Convertible Top
Sheet 9	81 - 90	Radio
Sheet 10	91 - 100	Fog Light, Rear Fog Light
Sheet 11		Central Electric
Sheet 12		Construction Components
Sheet 13		Plug Connections, Ground Points, M-Numbers
Sheet 14	101 - 110	Trailer Coupling
Sheet 15	111 - 120	Rev-meter, On-board computer, Airbag
Sheet 16	121 - 130	Tiptronic (Carrera 2)

Wiring Diagram

Type 911 Carrera 2 and 4

Model 90

The wiring diagram consists of *15 individual wiring diagrams*, 1 sheet *construction components* and 1 sheet *plug connections and ground points*. These are divided into coordinate fields.

Each individual wiring diagram contains a part of the central-electrics box in a dashdotted frame.

This part of the central-electrics box shows all the lines and relays necessary for the individual wiring diagram.

The earth/ground points are identified by "MP" and their location is shown in a vehicle diagram.

The 10-pin connectors on the central-electrics box are clipped together out of 3 parts, the 20-pin connectors are clipped together out of 5 parts.

Part 1, with the moduled-on fastening lug, is the "starting element".

Parts 2,3 and 4 are "module elements".

The 10-pin connectors only contents one "module element".

Start- and module elements are identified by the numbers 1.....5.

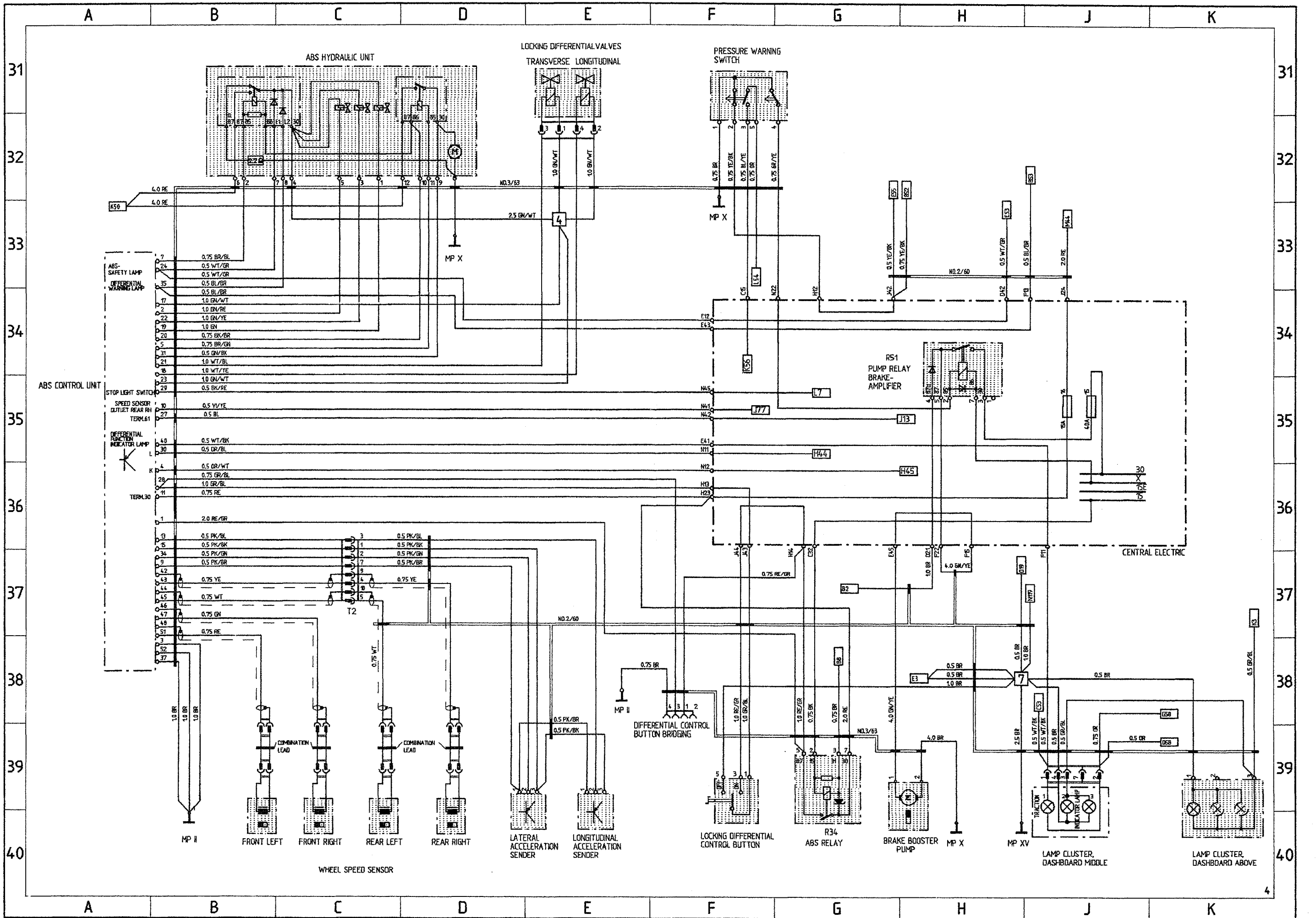
Part 5 ist a "coding element".

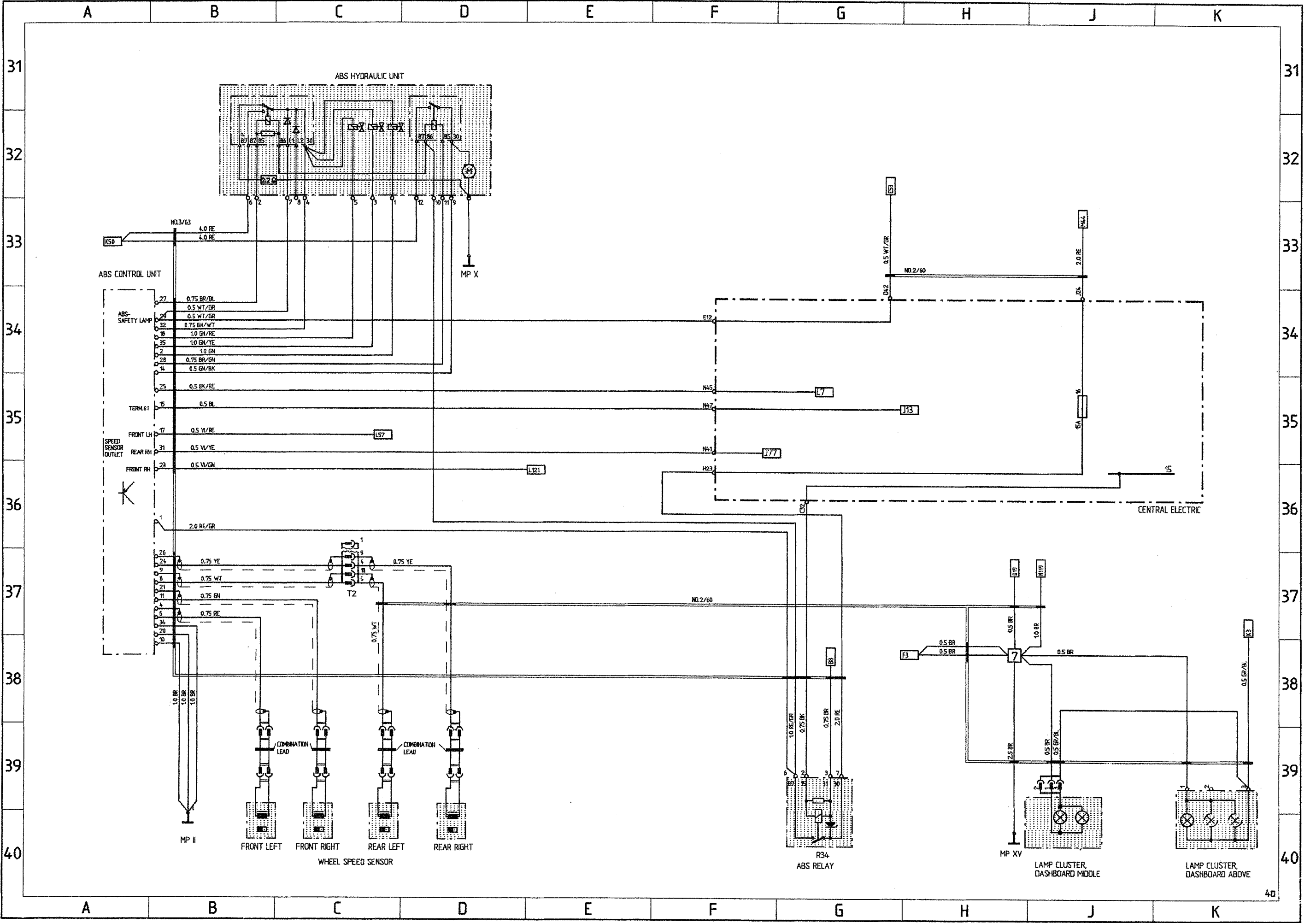
The designations of the plug connections in the wiring diagram refer to the "starting element" from, for example, B 11.....15, and to the first module element from B 21.....25.

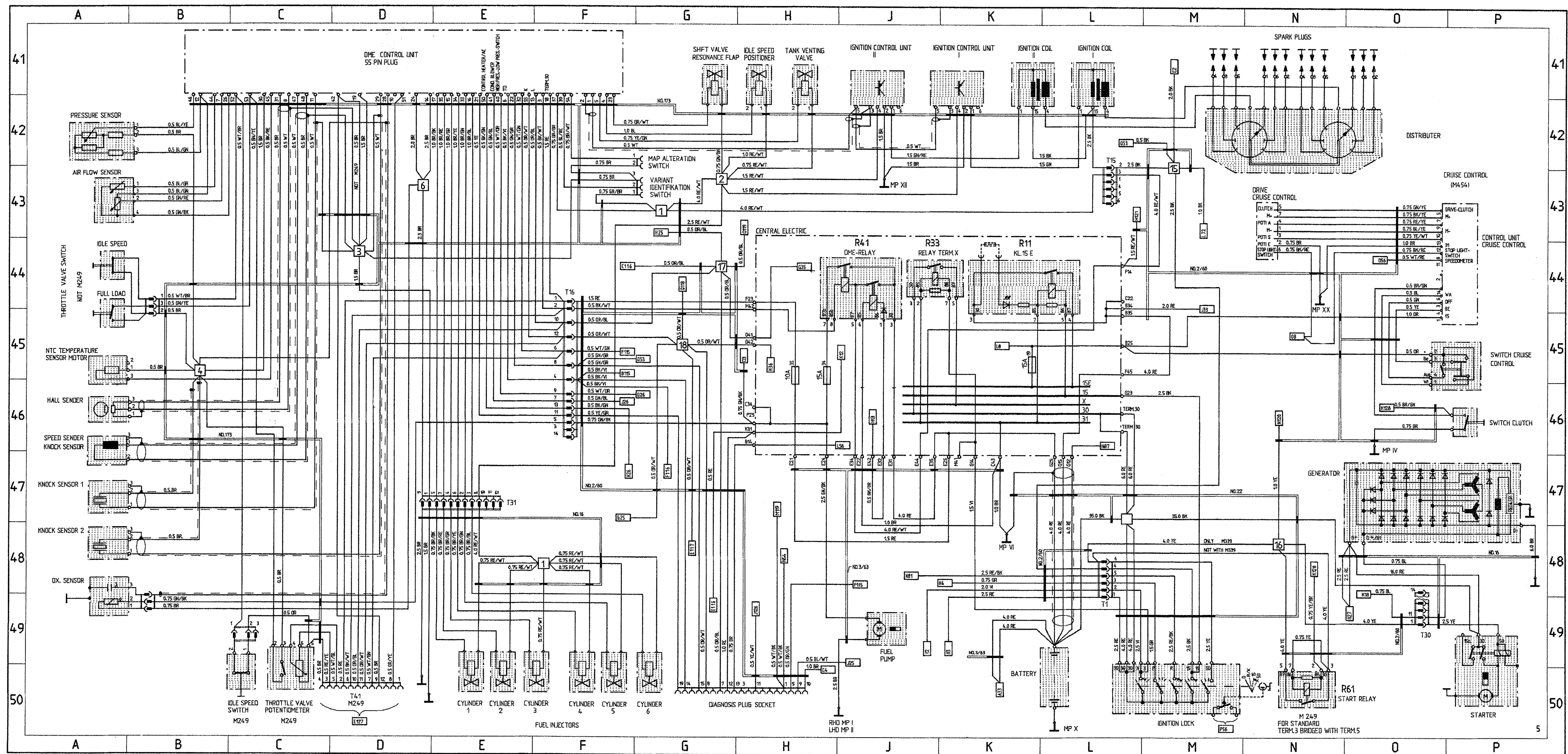


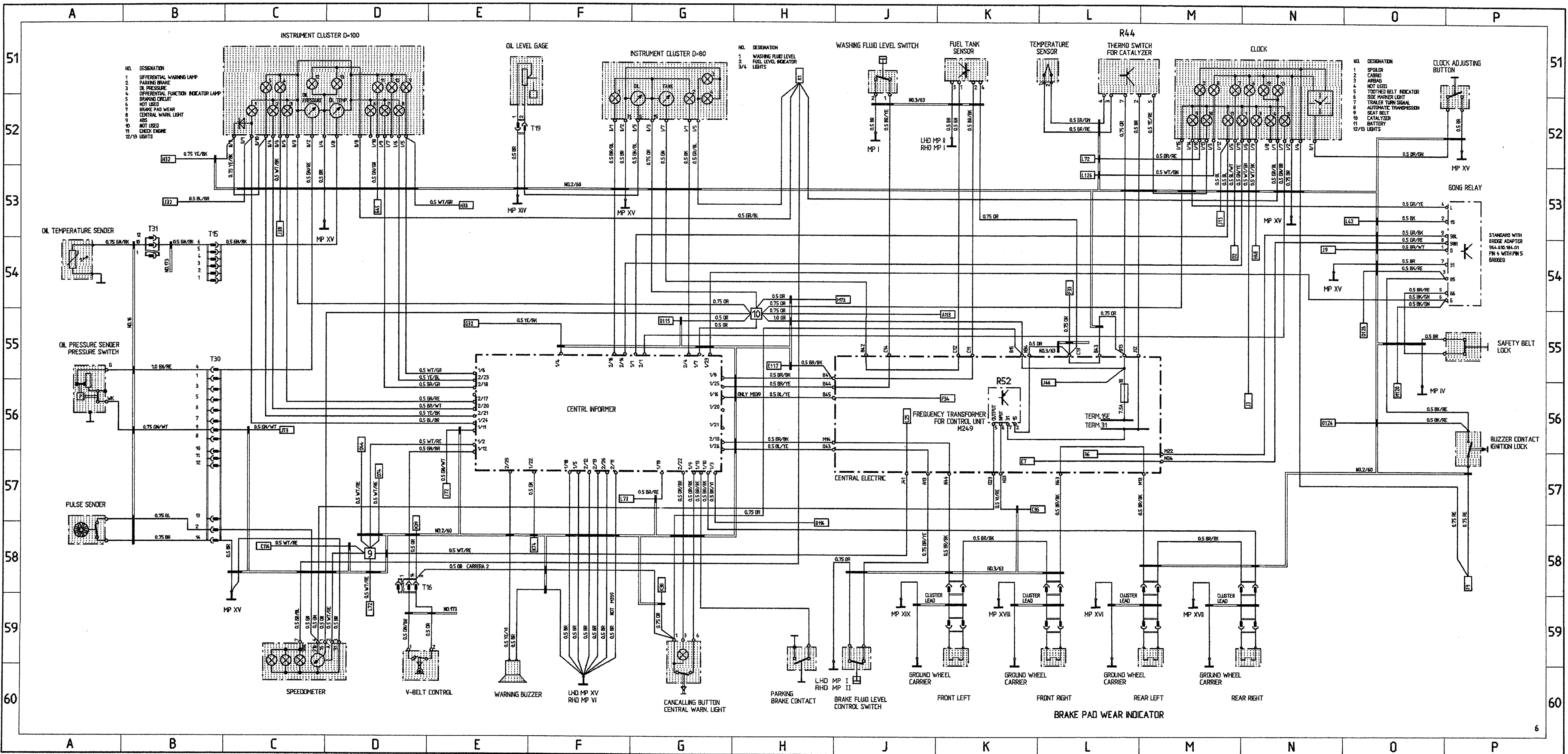


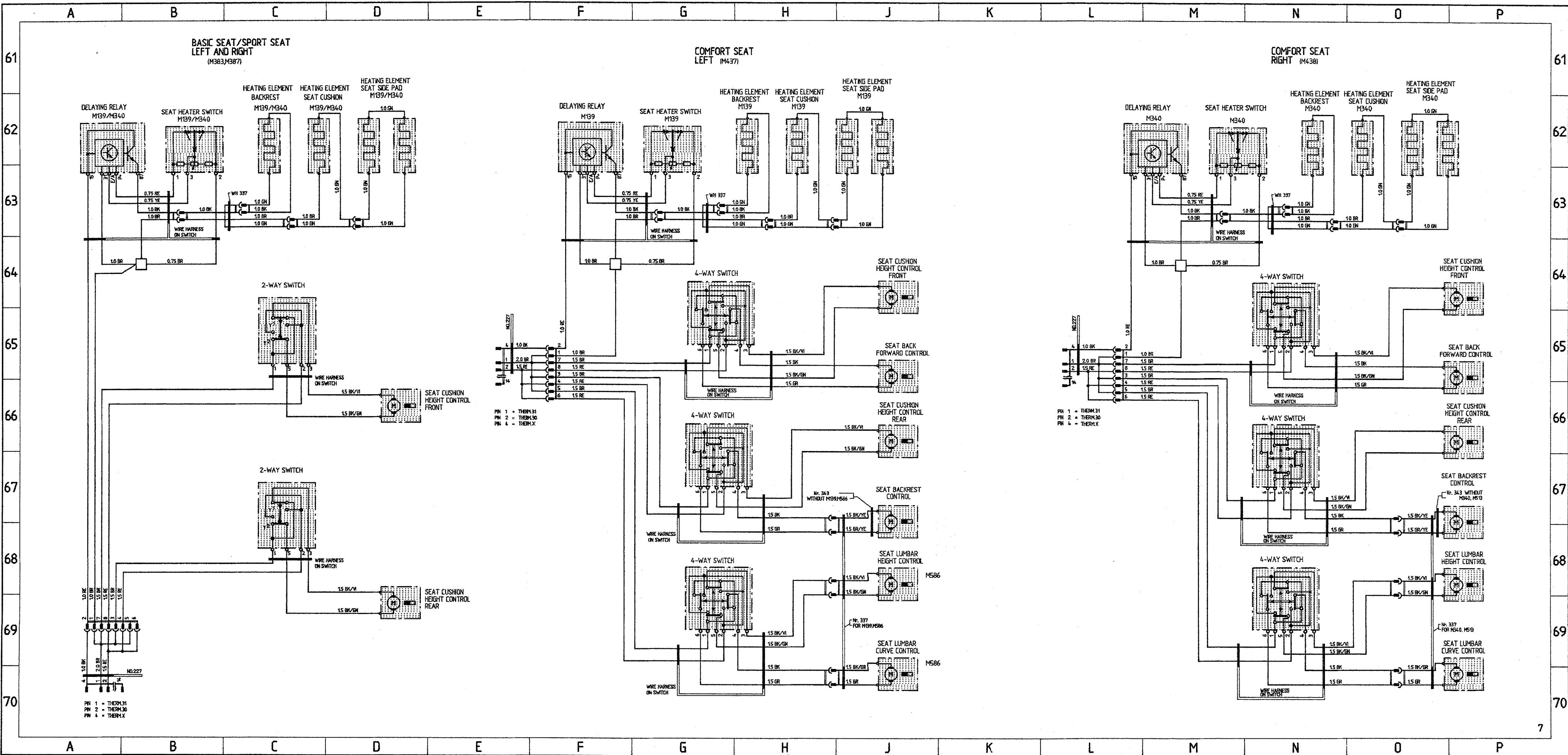


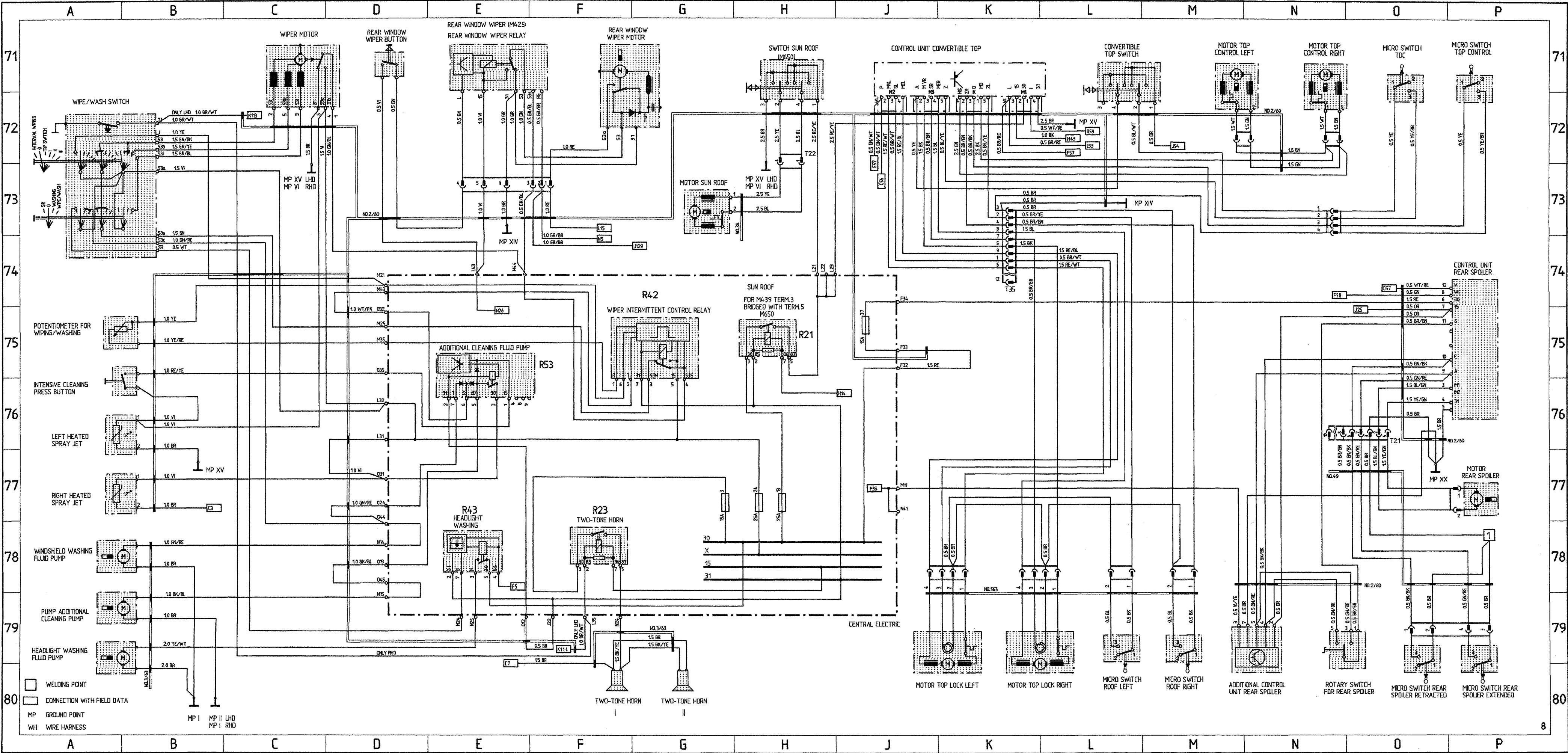


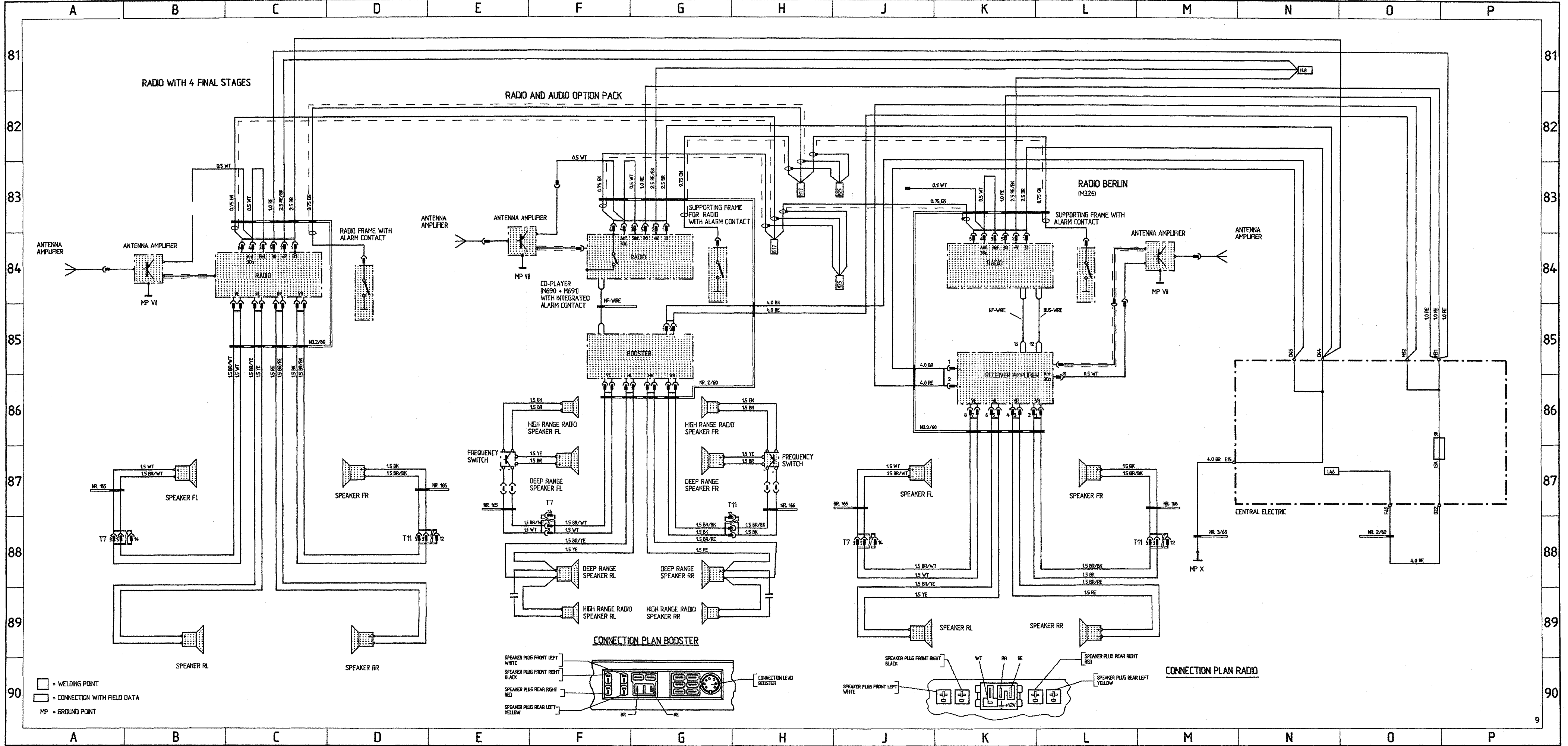












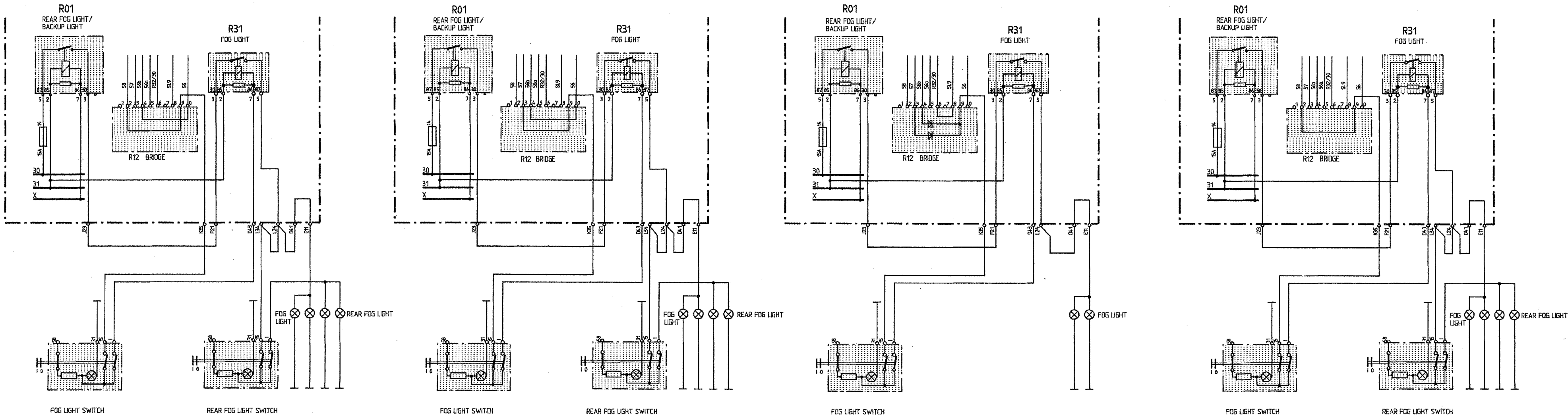
FOG LIGHT- AND REAR FOG LIGHT - WIRINGS

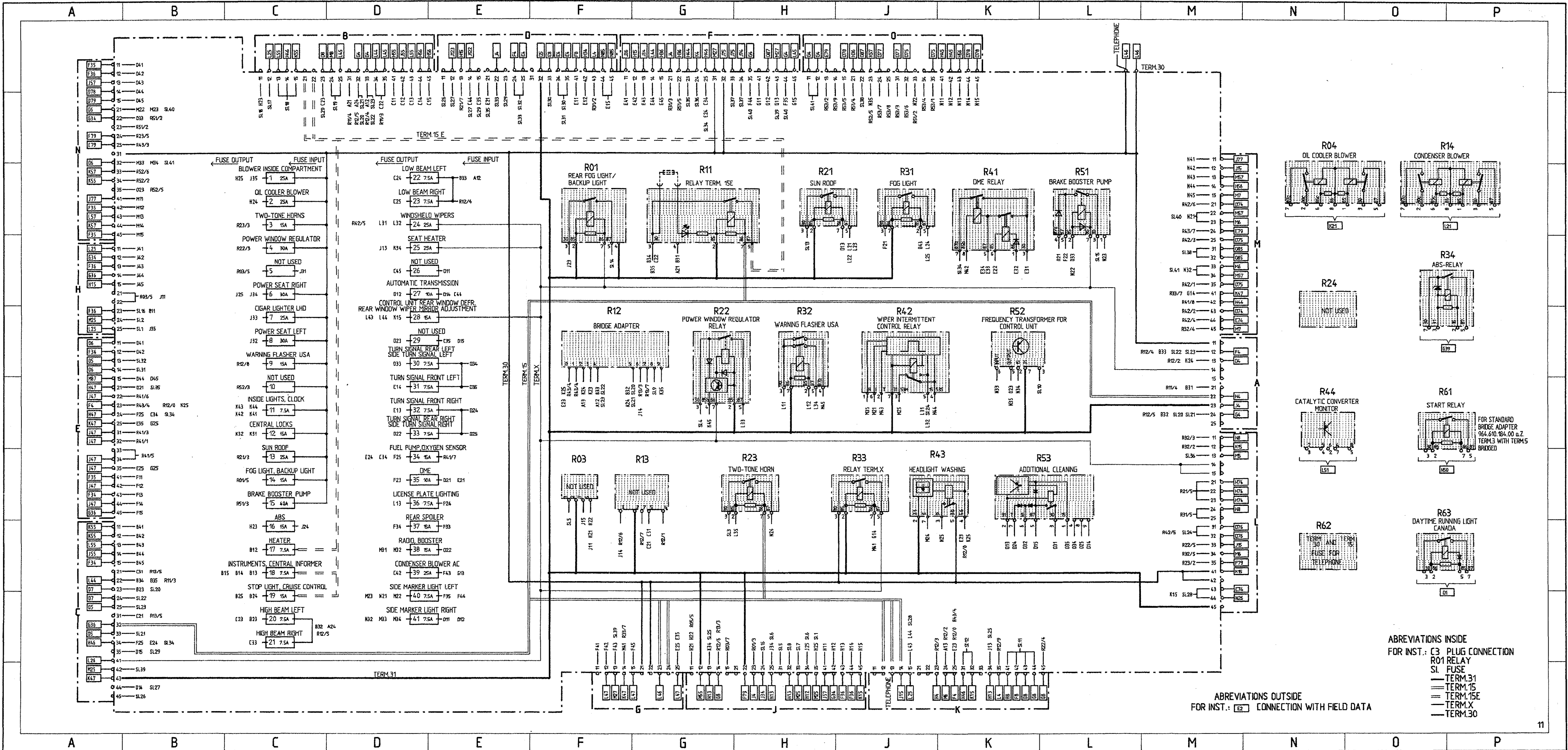
ROW
FOG LIGHT +
REAR FOG LIGHT FROM 58

M487-NORWAY
FOG LIGHT + REAR FOG LIGHT
ONLY WITH 57

M553-USA
FOG LIGHT WITH 560 + 57

M193/JAPAN
FOG LIGHT +
REAR FOG LIGHT FROM 58



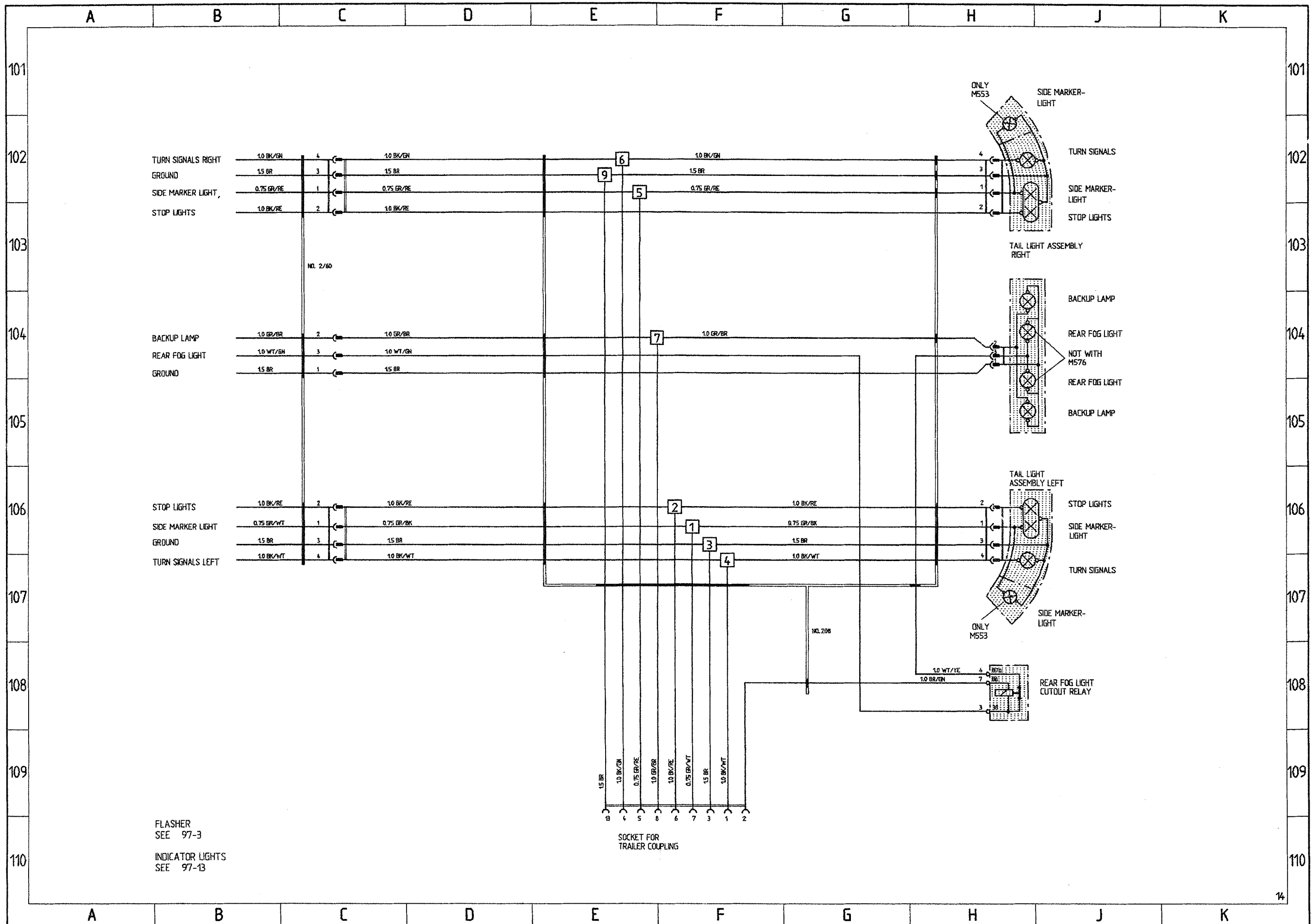


CONSTRUCTION COMPONENTS

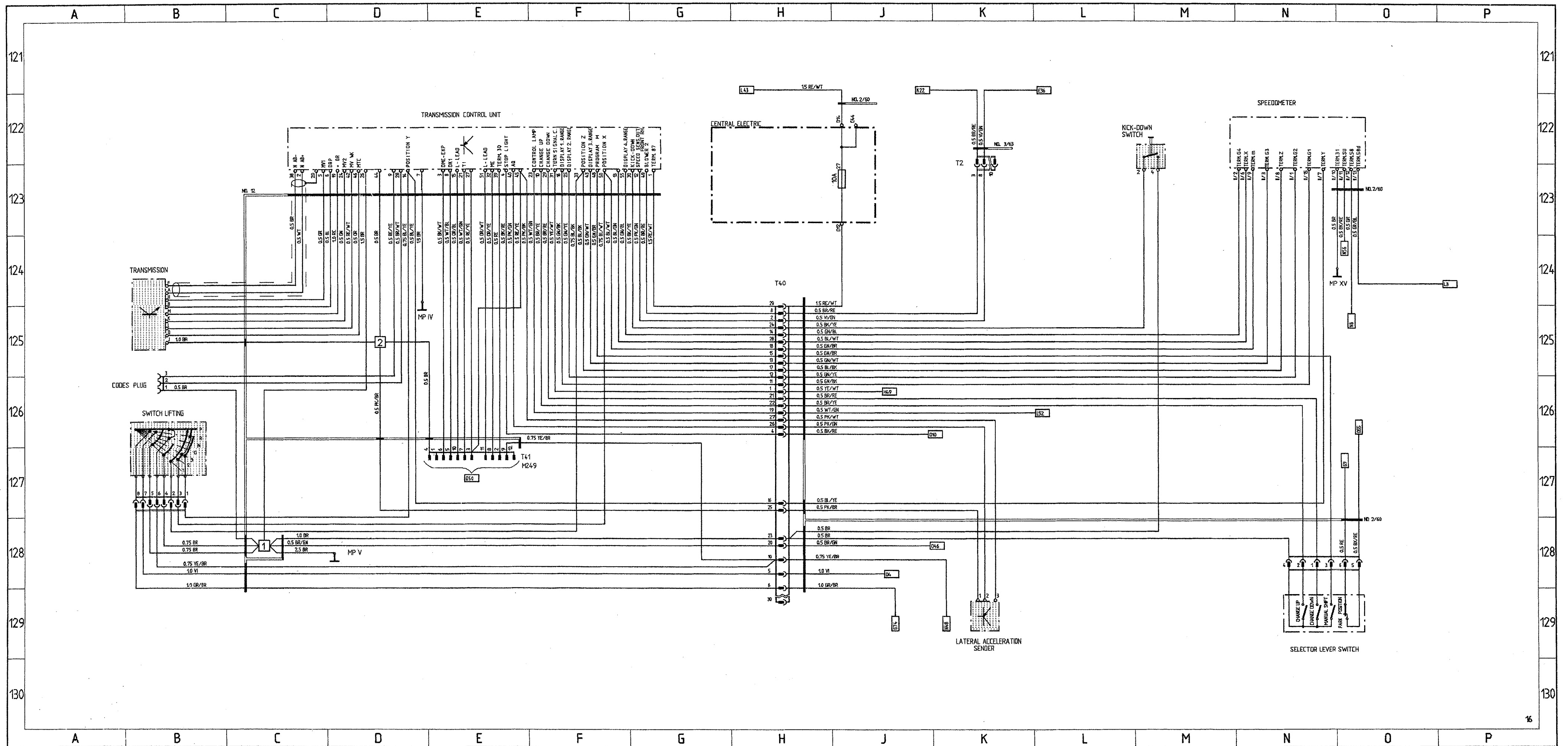
A		B		C		D		E	
CONSTRUCTION COMPONENTS									
DESIGNATION, FUNCTION		POSITION IN VEHICLE		NOTE		FIELD IN WIRING DIAGRAM			
		LHD	RHD						
ABS RELAY		6cM	6cM	CENTRAL ELECTRIC		G39/40			
ALARM HORN		3cL	3cL	IN WHEEL HOUSING FRONT RIGHT		H19			
ANTENNA AMPLIFIER		7bL	7bQ	IN LUGGAGE COMPARTMENT		B84,E84,M84			
EXTERIOR TEMPERATURE TRANSMITTER		8bR	8bK	IN OUTSIDE MIRROR		D118			
FLASHER		7dN	7dN	IN CENTRE CONSOLE		D1			
BOOSTER		9eM	9eM	UNDER THE SEAT RIGHT		F/G85			
STOP LIGHT SWITCH		6dP	6dM	AT THE BRAKE PEDAL BELOW THE FLOOR PANEL		N10			
DIAGNOSIS CONNECTION		7cL	7cQ	IN PASSENGER'S FOOTWELL		G/H50			
DME RELAY		6cM	6cM	CENTRAL ELECTRIC		J44			
DME CONTROL UNIT		9eP	9eP	UNDER THE SEAT LEFT		B-F41			
SPEED SENDER		15cP	15cP	ON ENGINE LEFT		A47			
THROTTLE VALVE POTENTIOMETER		15bN	15bN	ON THROTTLE VALVE ASSEMBLY		C50			
AUTOMATIC TRANSMISSION									
THROTTLE VALVE SWITCH, TRANSMISSION		15bN	15bN	ON THROTTLE VALVE ASSEMBLY		A44/45			
PRESSURE SENSOR		10eP	10eP	UNDER THE SEAT LEFT		A42			
PRESSURE WARNING SWITCH		1dD	1dD	IN LUGGAGE COMPARTMENT		F31			
PRESSURE SWITCH AIR CONDITIONING SYSTEM		6bQ	—	IN LUGGAGE COMPARTMENT		E30			
RECEIVER FOR RADIO BERLIN		9eM	9eM	UNDER THE SEAT RIGHT		K86			
TWO-TONE HORN I		3cL	3cL	IN WHEEL HOUSING FRONT RIGHT		F80			
TWO-TONE HORN II		3cL	3cL	IN WHEEL HOUSING FRONT RIGHT		G80			
FREQUENCY SWITCH FRONT LEFT		9dQ	9dQ	UNDER THE DOOR TRIM PANEL		E87			
FREQUENCY SWITCH FRONT RIGHT		9dL	9dL	UNDER THE DOOR TRIM PANEL		H87			
CRASH SENSOR RIGHT		4cM	—	IN LUGGAGE COMPARTMENT		N112			
CRASH SENSOR LEFT		4cP	—	IN LUGGAGE COMPARTMENT		K/L112			
BLOWER FINAL STAGE		6bN	6bN	IN LUGGAGE COMPARTMENT		F30			
BLOWER ENGINE COMPARTM.		16cQ	16cQ	ON ENGINE		H30			
BLOWER MOTOR RIGHT		6cM	6cM	IN LUGGAGE COMPARTMENT		G30			
BLOWER MOTOR LEFT		6cP	6cP	IN LUGGAGE COMPARTMENT		F30			
GONG RELAY		6cP	—	ON STEERING COLUMN LEFT		P53/54			
HALL SENDER		17cQ	17cQ	ON DISTRIBUTOR		A46			
REAR WINDOW WIPER RELAY		15bQ	15bQ	ON REAR WINDOW WIPER MOTOR		E71			
HYDRAULIC UNIT ABS		3dP	3dP	IN LUGGAGE COMPARTMENT		C32			
PULSE SENDER		13dQ	13dQ	ON GEARBOX		A58			
V-BELT CONTROL		17dQ	17dQ	ON ENGINE		D60			
MAP ALTERATION SWITCH		9eP	9eP	UNDER THE SEAT LEFT		G42			
KICK-DOWN SWITCH		6dQ	6dM	ON ACCELERATOR PEDAL BELOW THE FLOOR PANEL		M122			
KNOCK SENSOR 1		15cP	15cP	ON ENGINE LEFT		A47			
KNOCK SENSOR 2		16cN	16cN	ON ENGINE ABOVE		A48			
CONDENSER BLOWER		2dQ	2dQ	IN WHEEL HOUSING FRONT LEFT		N21			
FUEL PUMP		6eM	6eP	BEHIND THE BASE		J49			
CLUTCH SWITCH CRUISE CONTROL		6dP	6dN	ON CLUTCH PEDAL BELOW THE FLOOR PANEL		P46			
LONGITUDINAL ACCELERATION SENDER		7dN	7dN	IN CENTRE CONSOLE		E40			
LOCKING DIFFERENTIAL VALVES, LONGITUDINAL / TRANSVERSE		3dM	3dM	IN LUGGAGE COMPARTMENT		E31			
IDLE SPEED SWITCH AUTOMATIC TRANSMISSION		15bN	15bN	ON ENGINE		C50			
IDLE SPEED POSITIONER		15bN	15bN	ENGINE COMPARTMENT		H41			
AIR FLOW SENSOR		16bQ	16bQ	ON ENGINE		A43			
MICRO SWITCH ROOF RIGHT		9aQ	9aQ	ON CONVERTIBLE TOP FRAME		M79			
MICRO SWITCH ROOF LEFT		9aQ	9aQ	ON CONVERTIBLE TOP FRAME		L79			
MICRO SWITCH REAR SPOILER EXTENDED		16bP	16bP	ON TAILGATE		P79			
MICRO SWITCH REAR SPOILER RETRACTED		16bP	16bP	ON TAILGATE		Q79			
MICRO SWITCH DEAD CENTER		12cL	12cL	SIDE PANEL COVERING RIGHT		Q71			
MICRO SWITCH FOR CONVERTIBLE CONTROL		12cL	12cL	SIDE PANEL COVERING RIGHT		P71			
MOTOR SUN ROOF		12aN	12aQ	IN ROOF		G73			
MOTOR CONVERTIBLE TOP ACTUATION RIGHT		15cN	15cN	BEHIND REAR SEAT		N71			
MOTOR CONVERTIBLE TOP ACTUATION LEFT		15cQ	15cQ	BEHIND REAR SEAT		M71			
MOTOR CONVERTIBLE TOP LOCKING DEVICE RIGHT		9aQ	9aQ	ON CONVERTIBLE TOP FRAME		K/L79			
MOTOR CONVERTIBLE TOP LOCKING DEVICE LEFT		9aQ	9aQ	ON CONVERTIBLE TOP FRAME		J/K79			
REAR FOG LIGHT CUTOFF RELAY		17dN	17dN	BEHIND REAR PANEL		A108			
NTC HEATER FAN		16cP	16cP	ENGINE COMPARTMENT		G30			
OIL PRESSURE SENDER / SWITCH		14cN	14cN	ON ENGINE		A55/56			
OIL COOLER BLOWER		2dL	2dL	IN WHEEL HOUSING FRONT RIGHT		Q21			
OIL LEVEL GAGE		12cK	12cK	IN WHEEL HOUSING REAR RIGHT		E/F51/52			

PLUG CONNECTIONS AND GROUND POINTS

PLUG CONNECTIONS										M - NUMBERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE LHD RHD	NOTE	FIELD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										







Changes to the circuit diagram for the 911 Carrera 2/4, 1990 model

Sheet 5, D 50

The ground points for the DME control unit are not marked.

2.5 mm² lead, brown, to ground point IV.

1.5 mm² lead, brown, to ground point V.

Sheet 12

Control unit-transmission

The control unit is located beneath the left-hand seat.

Please alter the circuit diagram accordingly.

Wiring Diagram

Type 911 Carrera 2 and 4 Model 91

Coordinates

Sheet 1	1 - 10	Lights
Sheet 2	11 - 20	Alarm System, Central Locks, Mirror, Power Window Regulator, Inside Lights
Sheet 3	21 - 30	Heater, AC, Coolant Fan, Rear Window Defogger
Sheet 4	31 - 40	ABS, Porsche Dynamic AWD Control (Carrera 4)
Sheet 4a	31 - 40	ABS (Carrera 2)
Sheet 5	41 - 50	Motor, Ignition, Cruise Control
Sheet 6	51 - 60	Instruments, Sender, Central Informer, On-board computer
Sheet 7	61 - 70	Seats
Sheet 8	71 - 80	Rear Spoiler, Two-Tone Horns, Wipe- and Wash Cleaners, Sun Roof, Convertible Top
Sheet 9	81 - 90	Radio, Telephone
Sheet 10	91 - 100	Fog Light, Rear Fog Light
Sheet 11		Central Electric
Sheet 12		Construction Components
Sheet 13		Plug Connections, Ground Points, M-Numbers, Abbreviations
Sheet 14	101 - 110	Trailer Coupling
Sheet 15	111 - 120	Airbag
Sheet 16	121 - 130	Tiptronic (Carrera 2)

Wiring Diagram

Type 911 Carrera 2 and 4 Model 91

The wiring diagram consists of *15 individual wiring diagrams*, 1 sheet *construction components* and 1 sheet *plug connections and ground points*. These are divided into coordinate fields.

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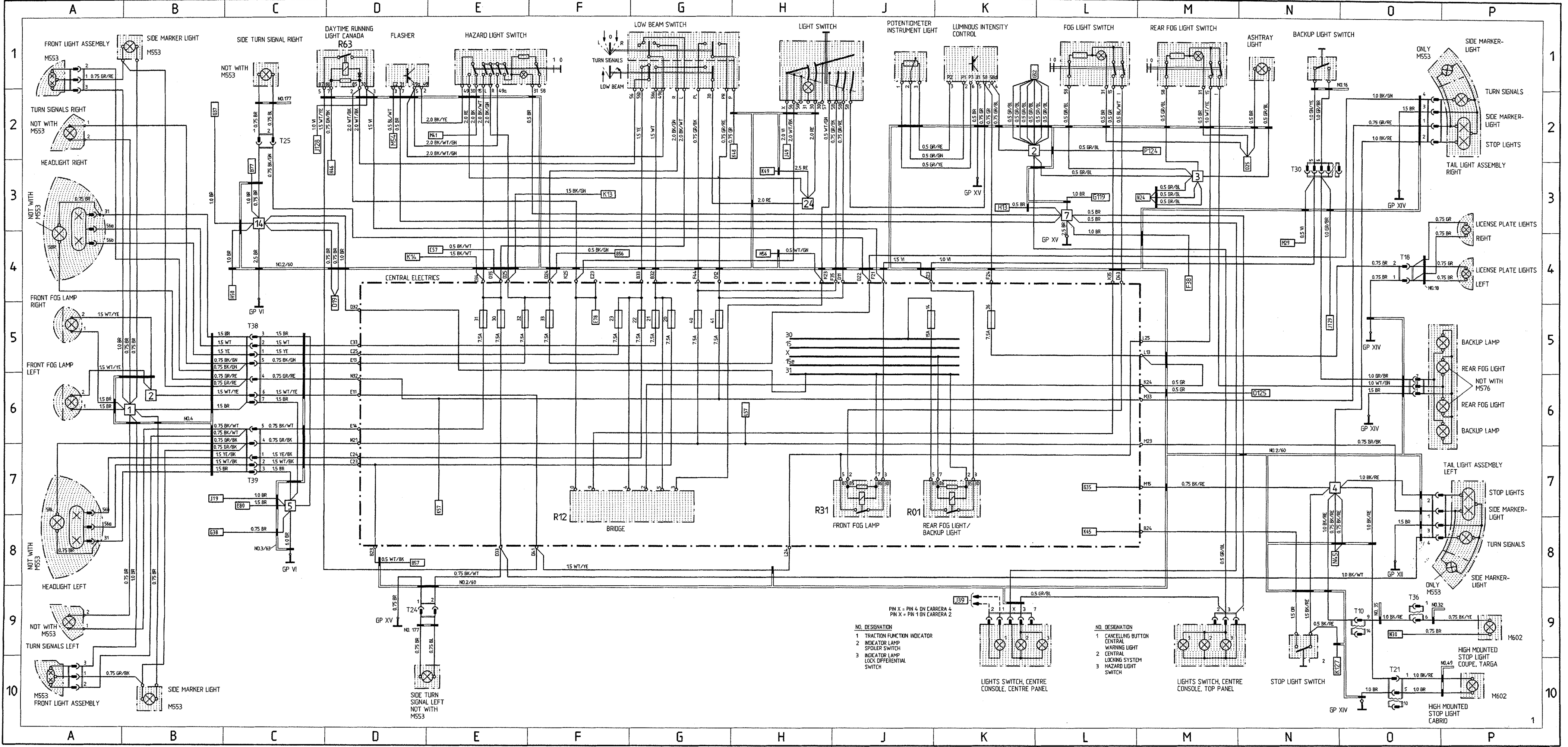
Parts 2,3 and 4 are "module elements".

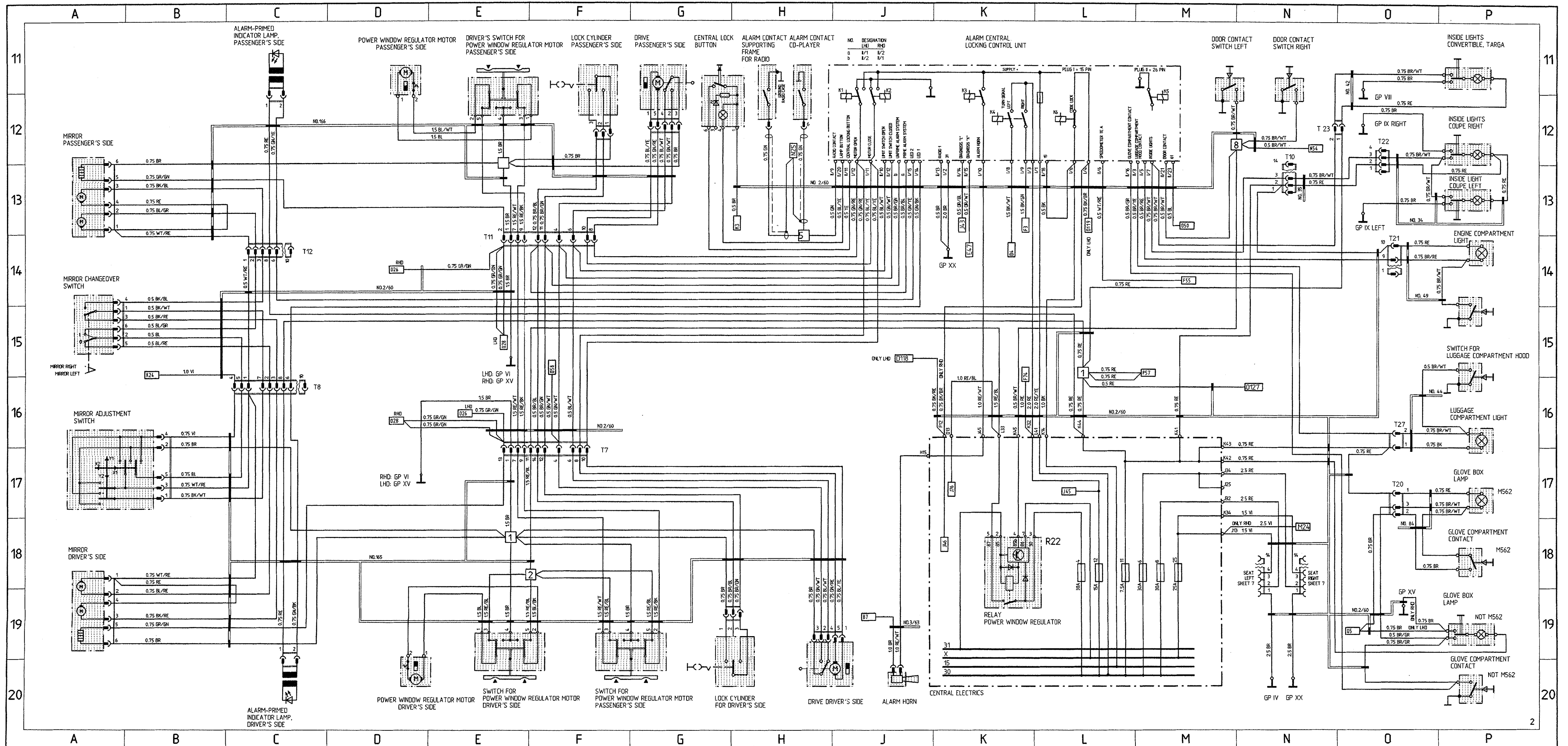
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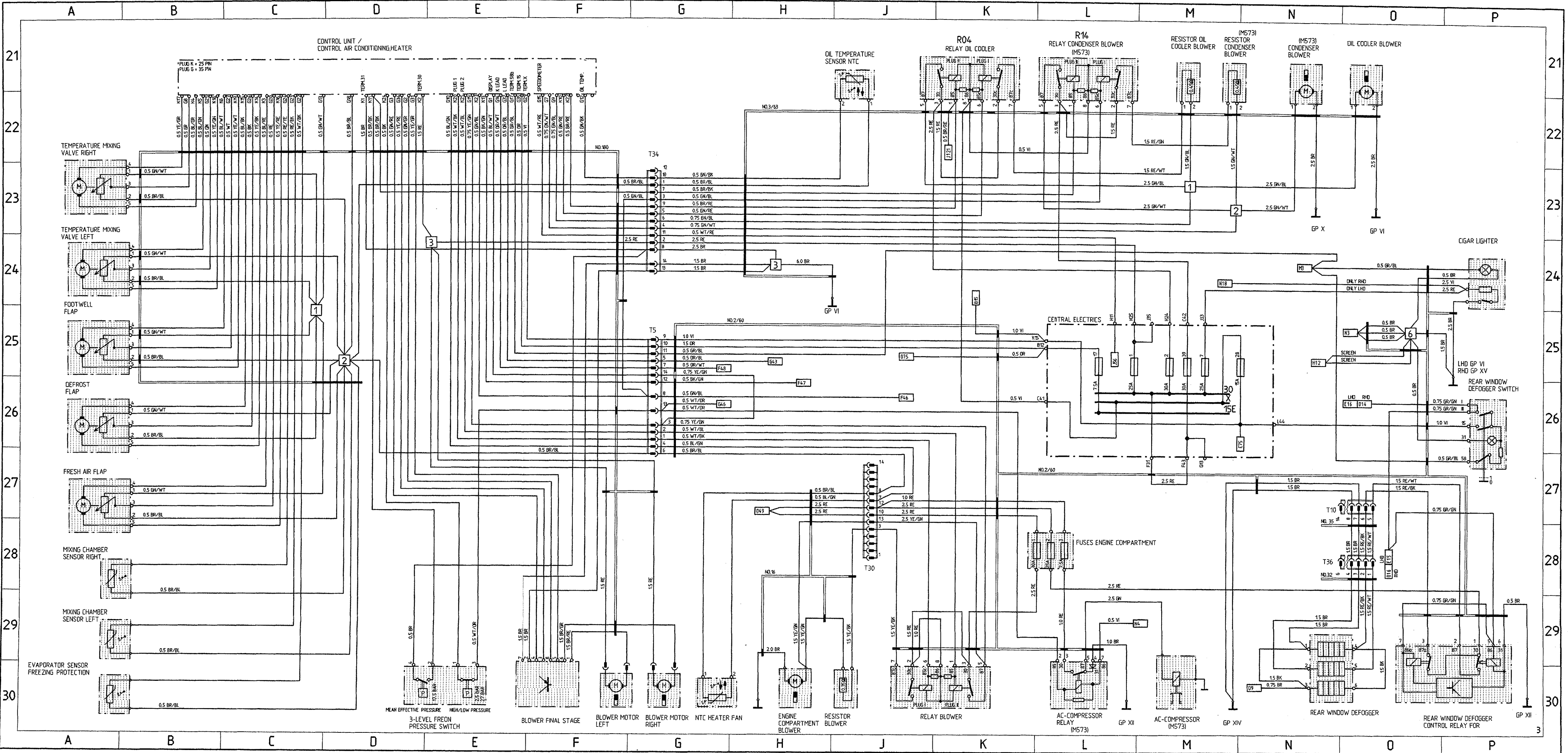
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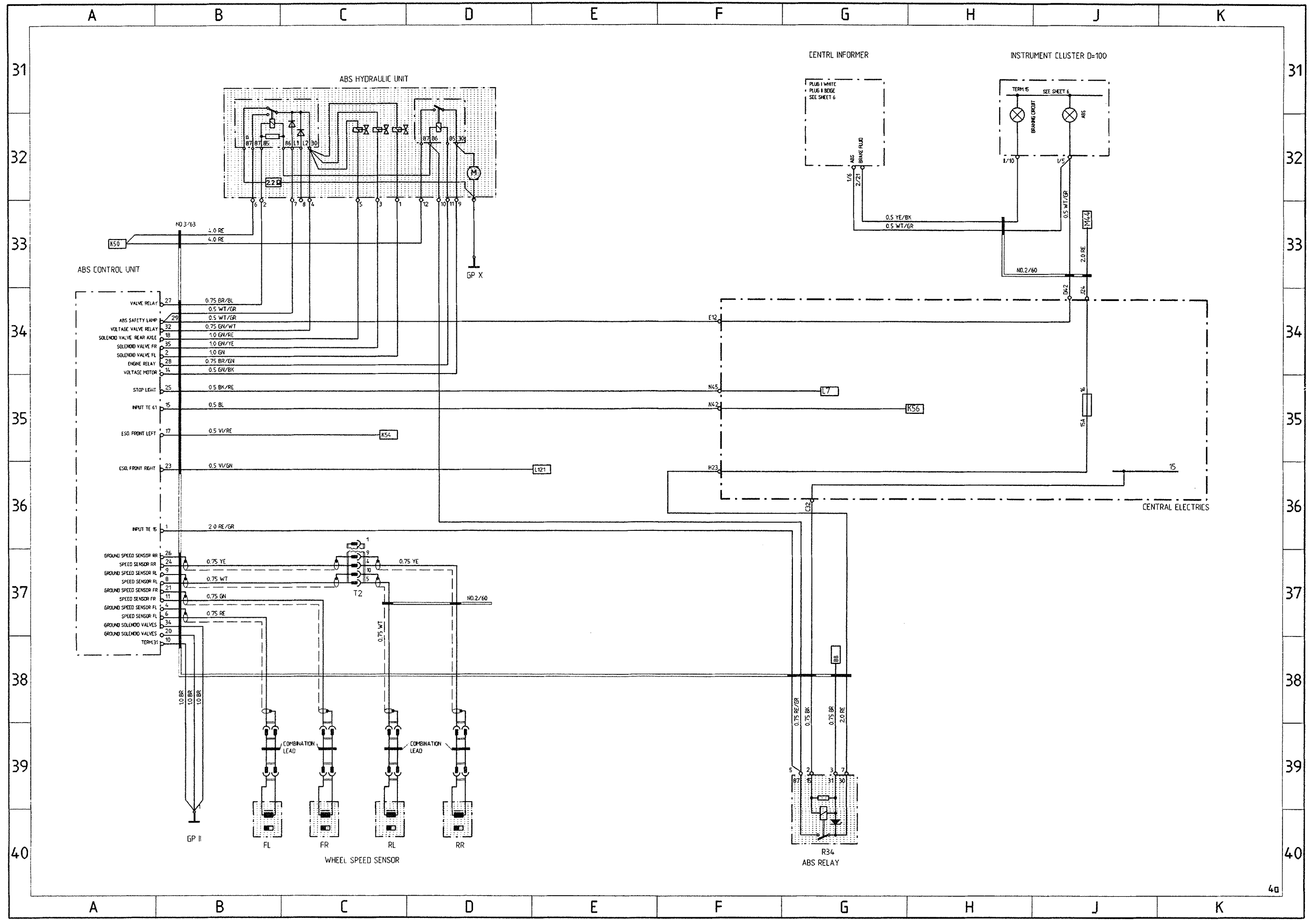


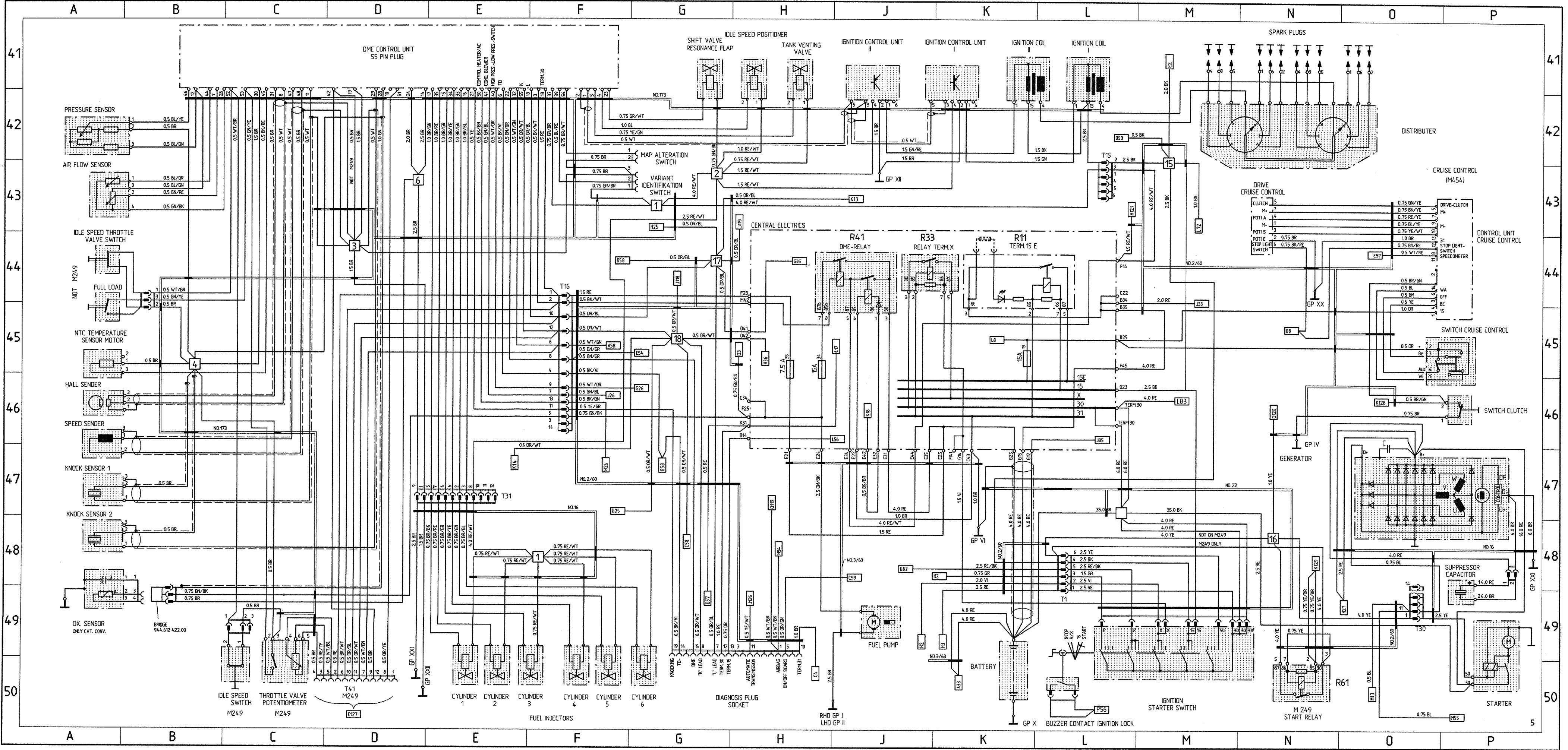


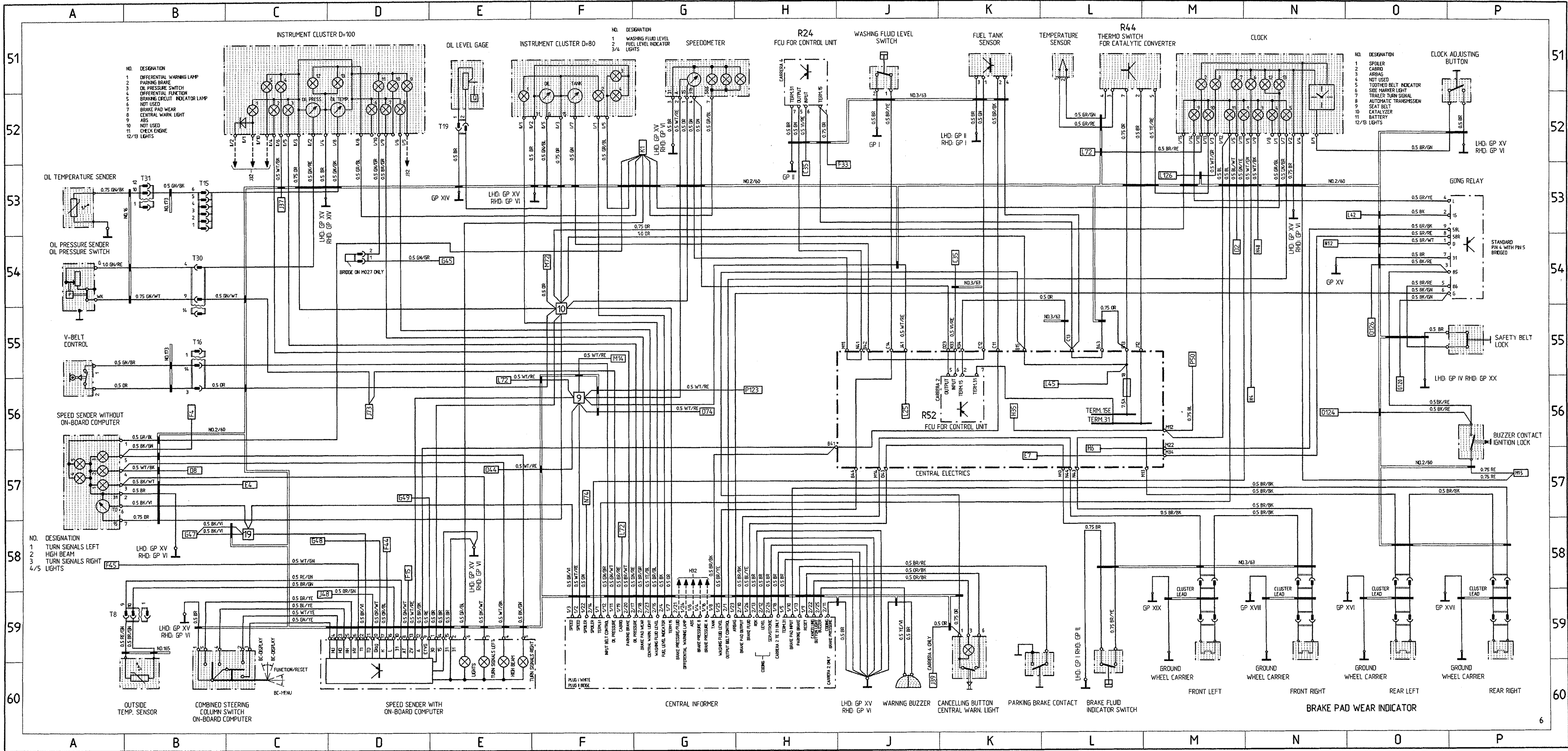


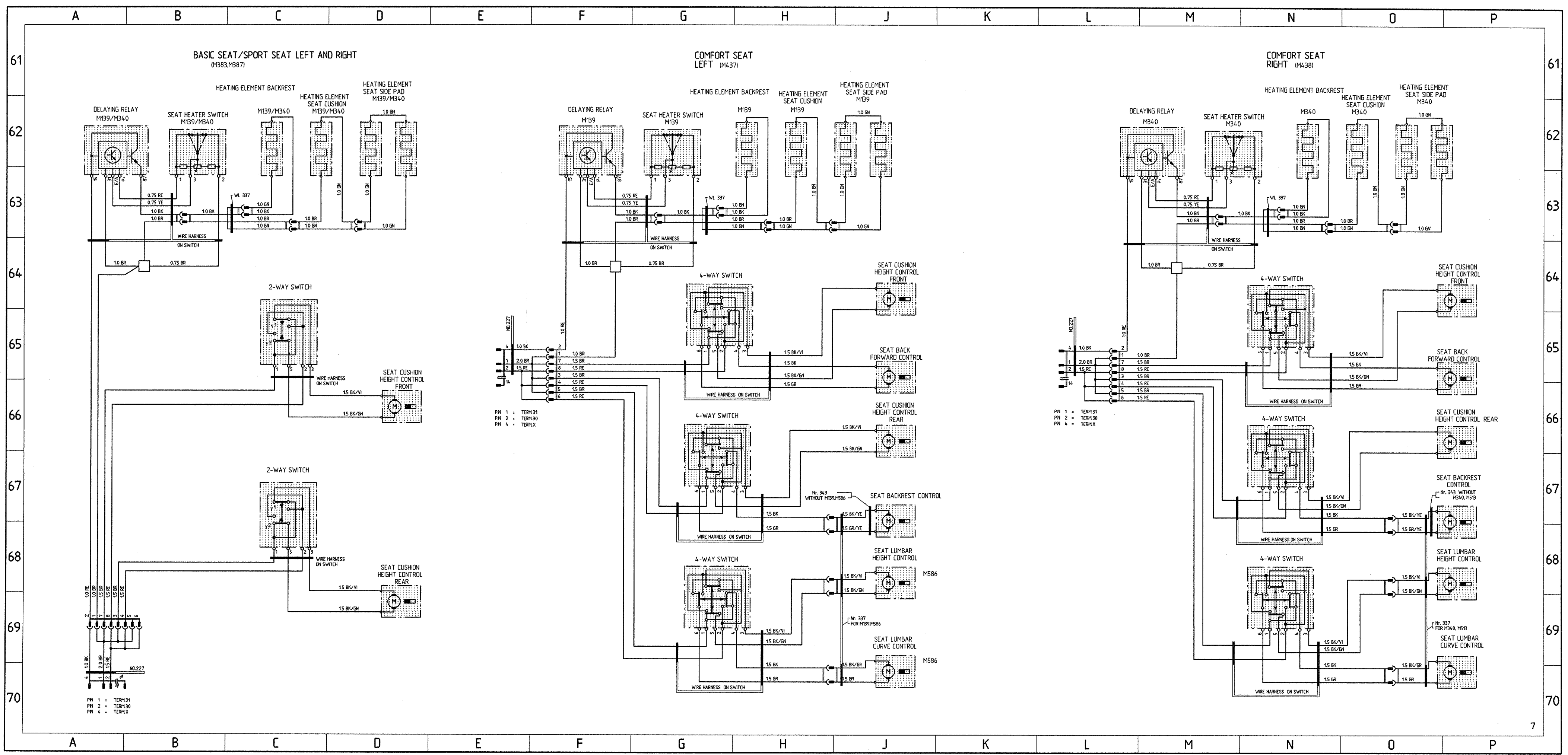


ABS

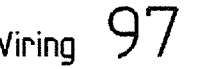


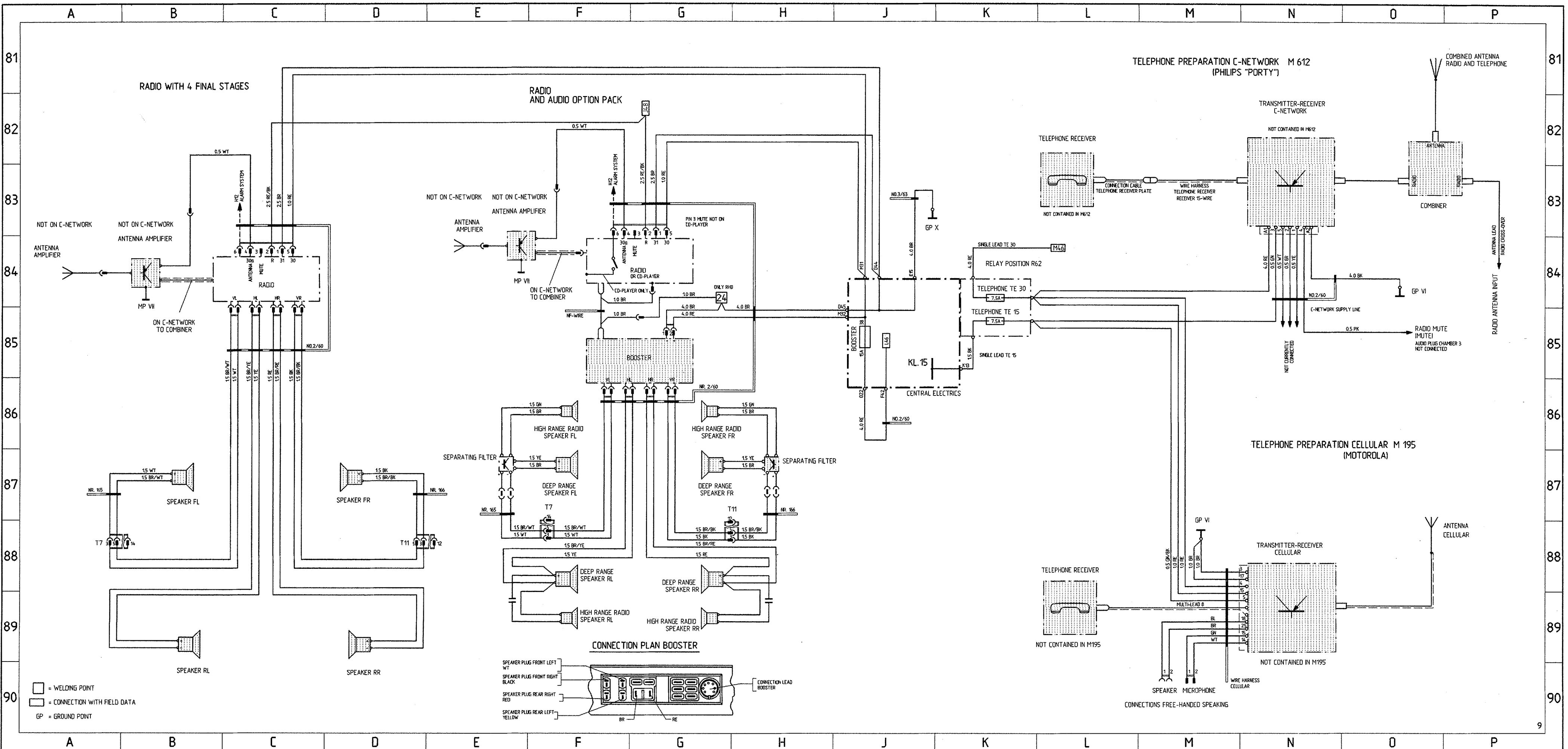




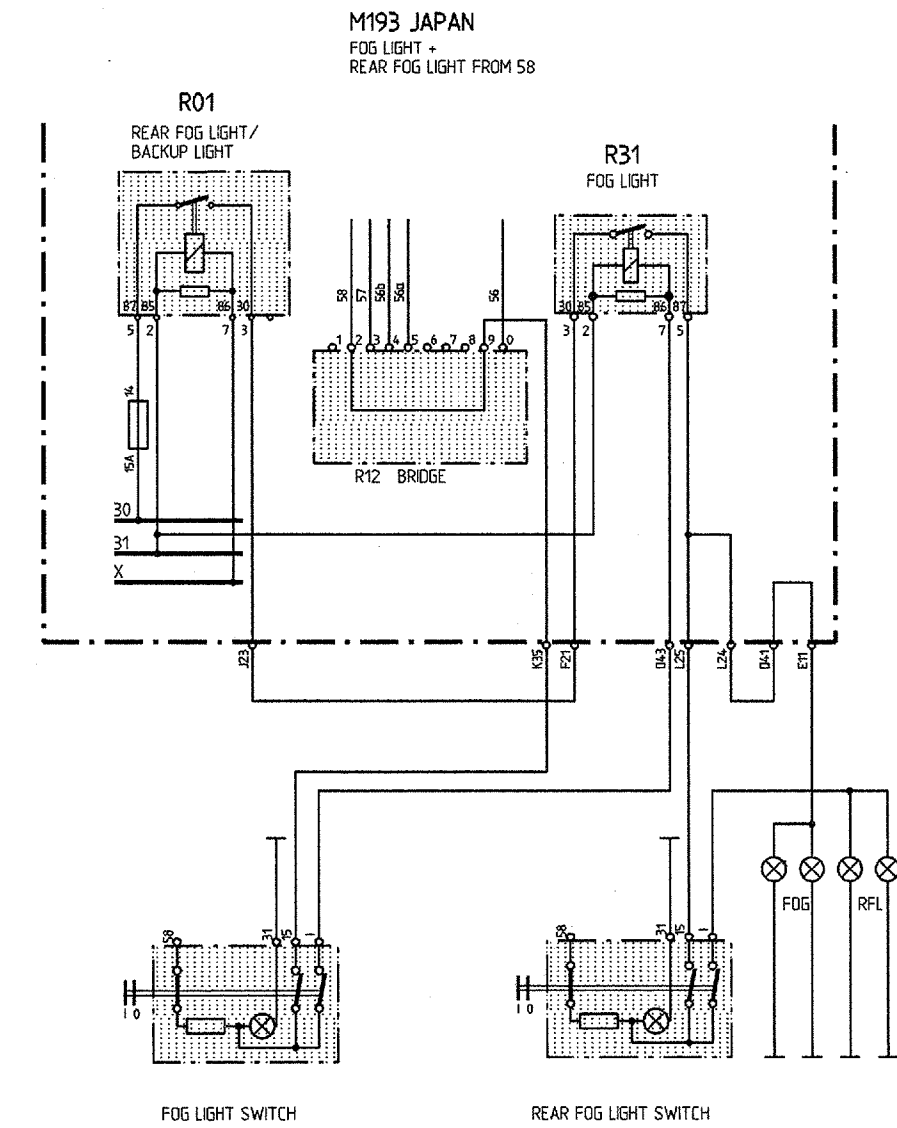
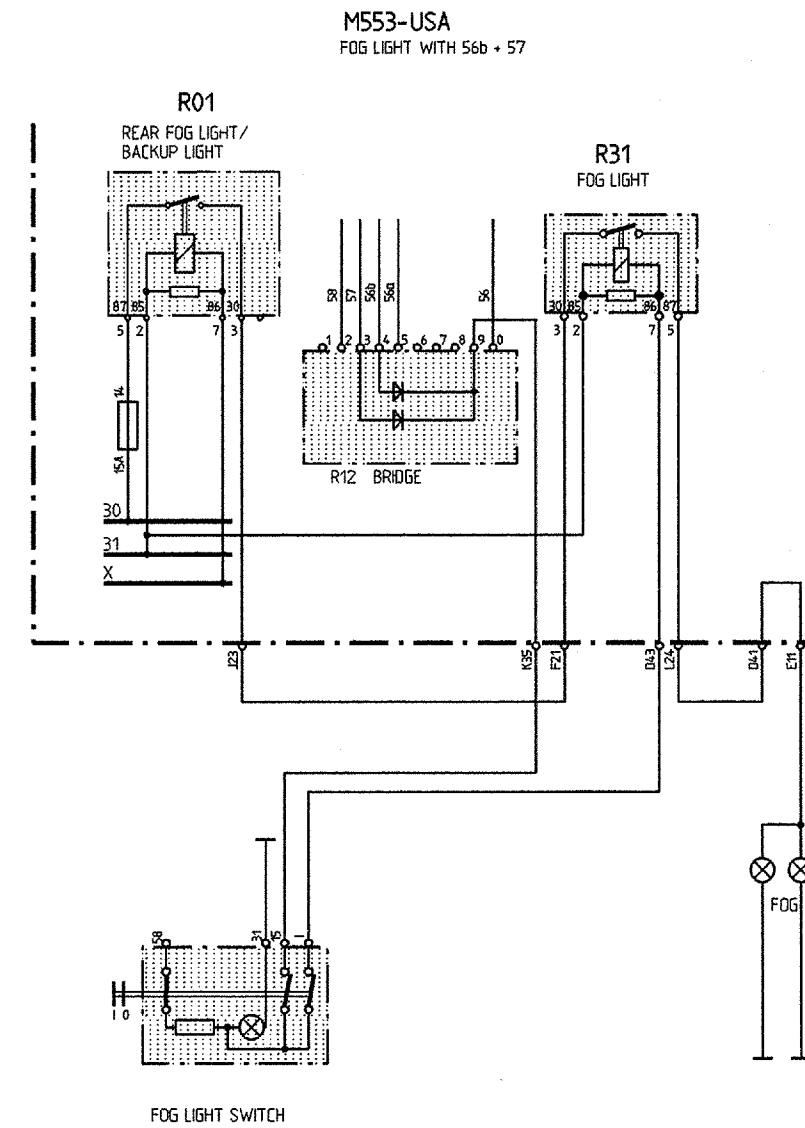
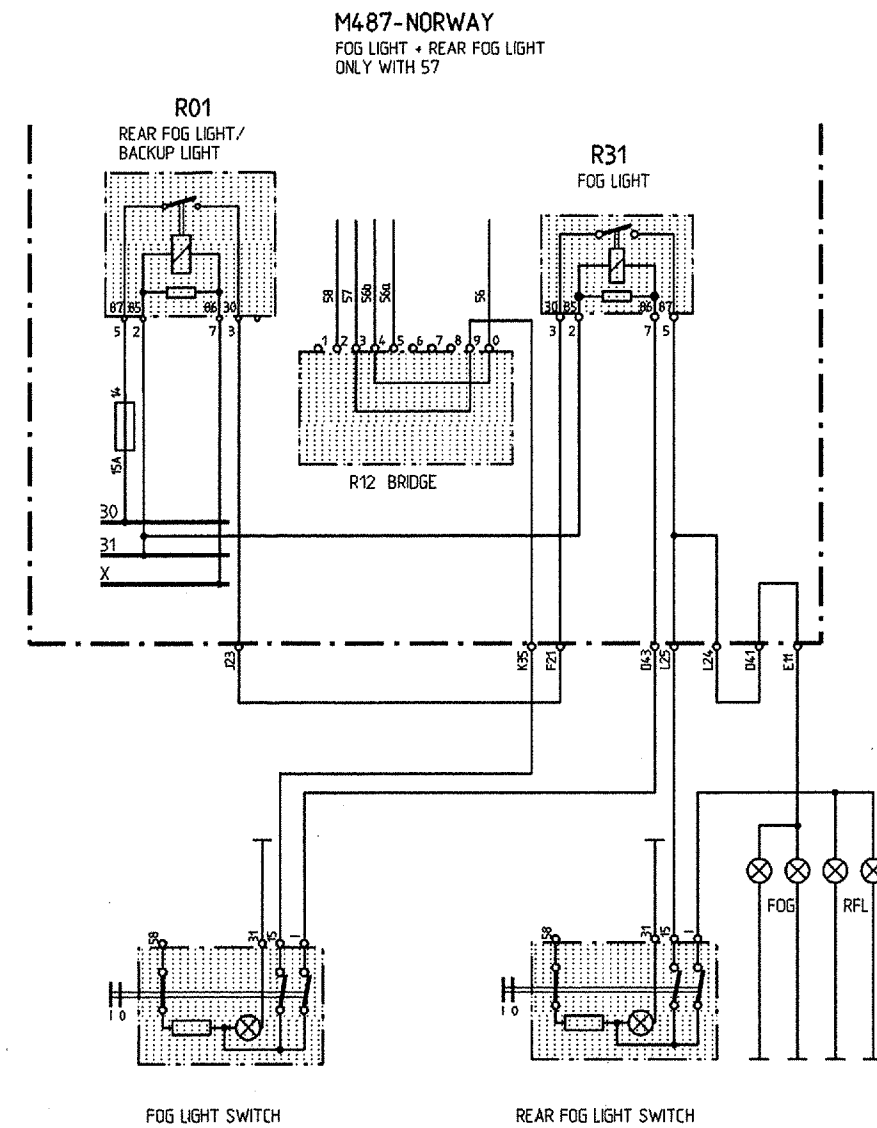
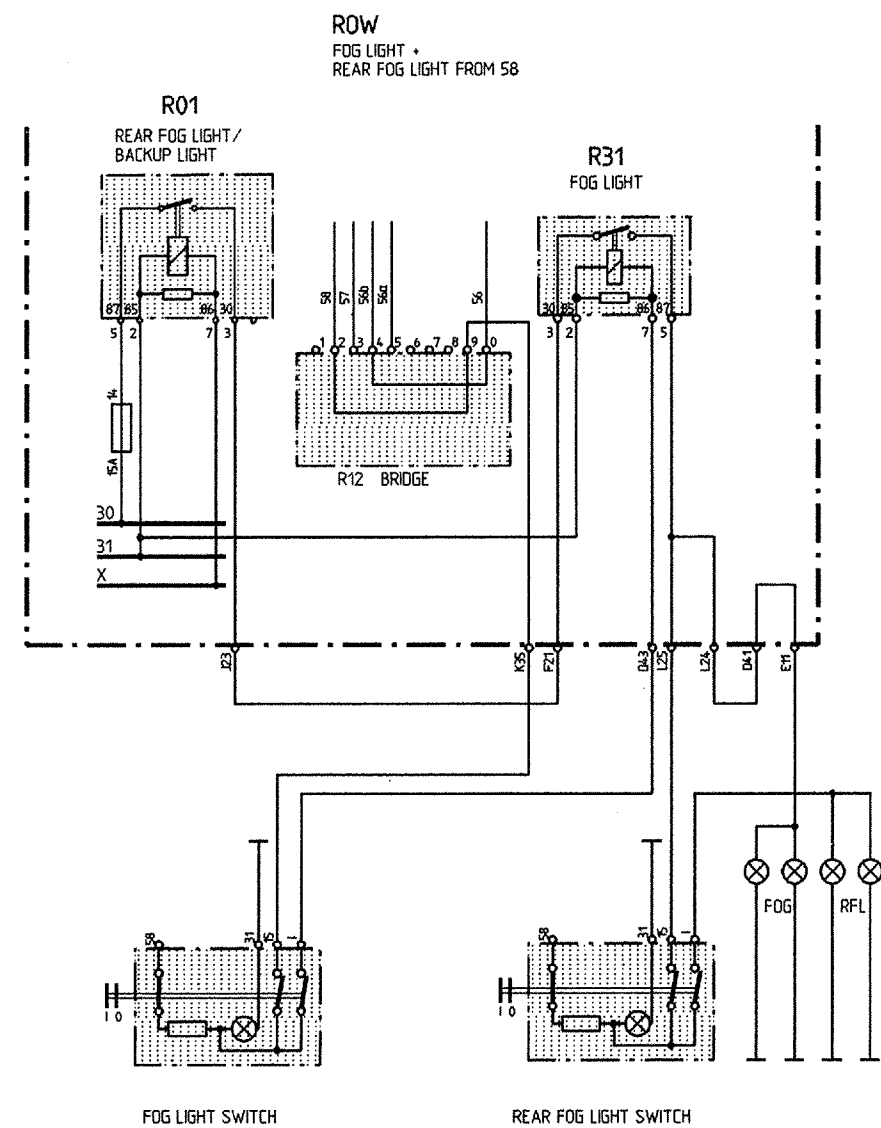


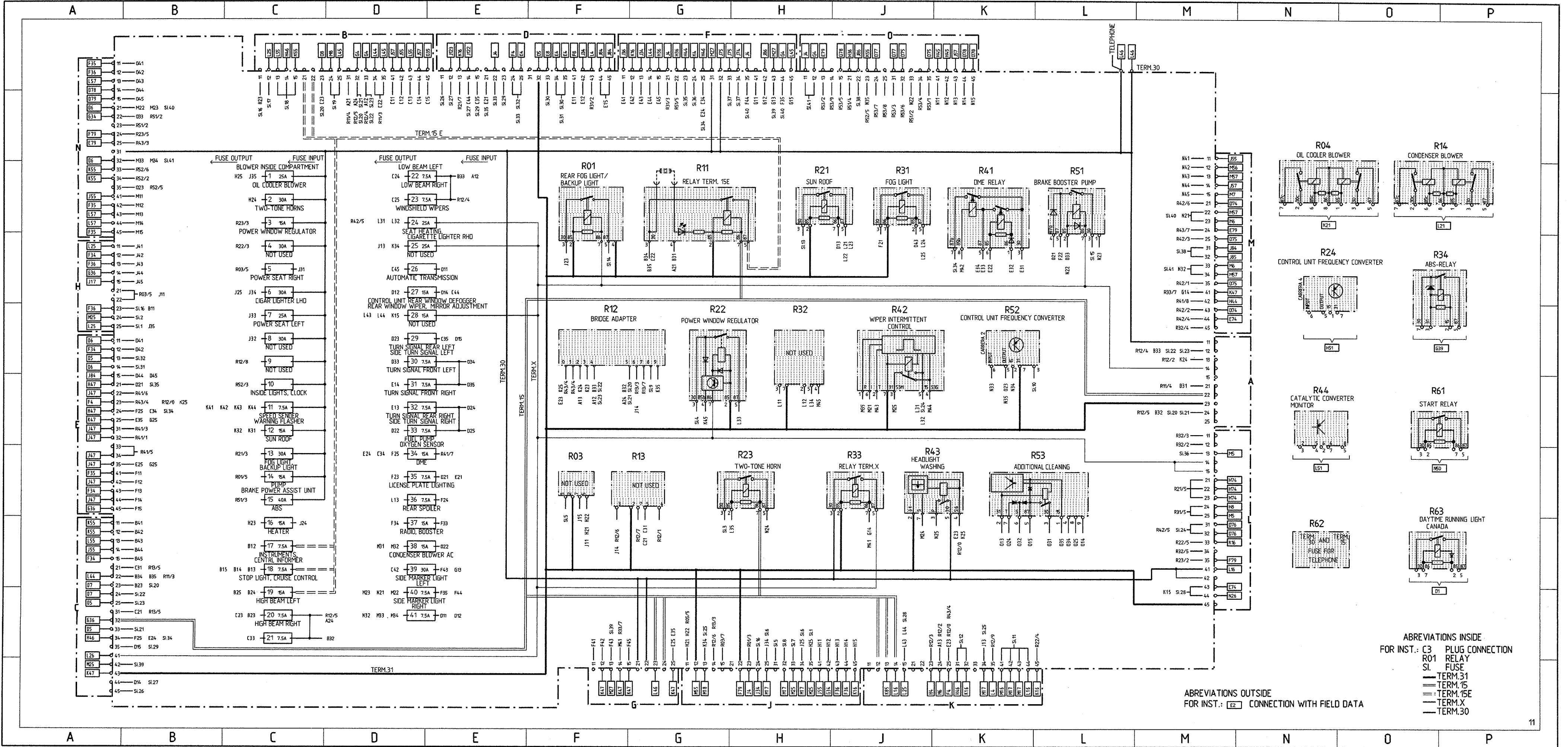
Wiring 97





FOG LIGHT- AND REAR FOG LIGHT - WIRINGS





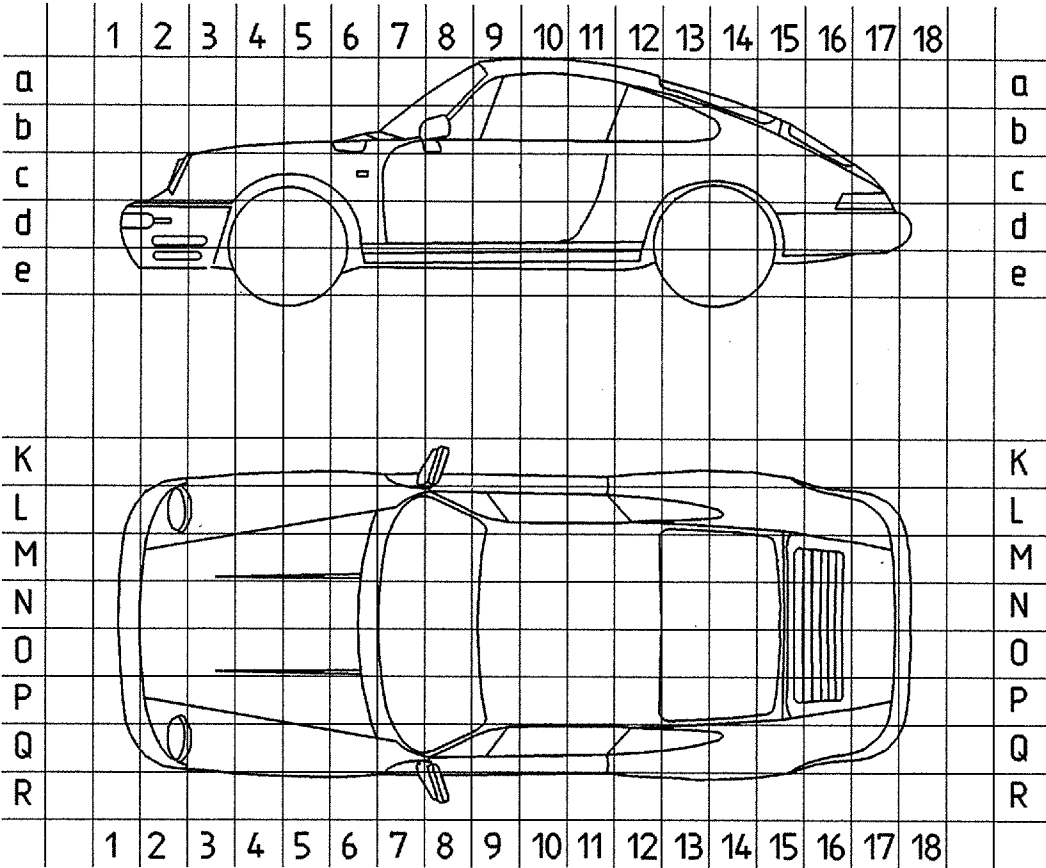
ABREVIATIONS INSIDE
FOR INST.: C3 PLUG CONNECTION
R01 RELAY
SI FUSE
TERM.31
TERM.15
TERM.15E
TERM.X
TERM.30

ABREVIATIONS OUTSIDE
FOR INST.: E2 CONNECTION WITH FIELD DATA

CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
ABS RELAY	6cM	6cM	CENTRAL ELECTRICS	G39/40
ALARM HORN	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	J20
ANTENNA AMPLIFIER	7bL	7bQ	IN LUGGAGE COMPARTMENT	B84/E84
OUTSIDE TEMP. SENSOR	8bR	8bK	IN OUTSIDE MIRROR	B60
FLASHER	7dN	7dN	IN CENTRE CONSOLE	D1
BOOSTER	9eM	9eM	UNDER THE SEAT RIGHT	F/G85
STOP LIGHT SWITCH	6dP	6dM	AT THE BRAKE PEDAL BELOW THE FLOOR PANEL	N9
DIAGNOSIS CONNECTION	7cL	7cQ	IN PASSENGER'S FOOTWELL	G/H50
DME RELAY	6cM	6cM	CENTRAL ELECTRICS	J44
DME CONTROL UNIT	9eP	9eP	UNDER THE SEAT LEFT	B-F41
SPEED SENDER	15cP	15cP	BY ENGINE LEFT	A47
THROTTLE VALVE POTENTIOMETER, AUTOM. TRANSMISSION	15bN	15bN	ON THROTTLE VALVE ASSEMBLY	C50
THROTTLE VALVE SWITCH, MANUAL TRANSMISSION	15bN	15bN	ON THROTTLE VALVE ASSEMBLY	A44/45
PRESSURE SENSOR	10eP	10eP	UNDER THE SEAT LEFT	A42
PRESSURE WARNING SWITCH	1dO	1dO	IN LUGGAGE COMPARTMENT	F31
PRESSURE SWITCH AIR CONDITIONING SYSTEM	6bO	—	IN LUGGAGE COMPARTMENT	E30
TWO-TONE HORN I	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	F80
TWO-TONE HORN II	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	G80
SEPARATING FILTER FL	9dQ	9dQ	UNDER THE DOOR TRIM PANEL	E87
SEPARATING FILTER FR	9dL	9dL	UNDER THE DOOR TRIM PANEL	H87
CRASH SENSOR RIGHT	4cM	—	IN LUGGAGE COMPARTMENT	G112/113
CRASH SENSOR LEFT	4cP	—	IN LUGGAGE COMPARTMENT	E112/113
BLOWER FINAL STAGE	6bN	6bN	IN LUGGAGE COMPARTMENT	F30
BLOWER ENGINE COMPARTMENT	16cO	16cO	ON ENGINE	H30
BLOWER MOTOR RIGHT	6cM	6cM	IN LUGGAGE COMPARTMENT	G30
BLOWER MOTOR LEFT	6cP	6cP	IN LUGGAGE COMPARTMENT	F30
GONG RELAY	6cP	—	BY STEERING COLUMN LEFT	P53/54
HALL SENDER	17cO	17cO	ON DISTRIBUTOR	A46
REAR WINDOW WIPER RELAY	15bO	15bO	ON REAR WINDOW WIPER MOTOR	E71
HYDRAULIC UNIT ABS	3dP	3dP	IN LUGGAGE COMPARTMENT	C32
V-BELT CONTROL	17dO	17dO	ON ENGINE	A55/56
MAP ALTERATION- SWITCH	9eP	9eP	UNDER THE SEAT LEFT	G42
KICK-DOWN SWITCH	6dO	6dM	BY ACCELERATOR PEDAL UNDER FLOOR PANEL	M122
KNOCK SENSOR 1	15cP	15cP	BY ENGINE LEFT	A47
KNOCK SENSOR 2	16cN	16cN	BY ENGINE TOP	A48
CONDENSER BLOWER	2dO	2dQ	IN WHEEL HOUSING FRONT LEFT	N21
FUEL PUMP	6eM	6eP	BEHIND THE BASE	J49
CLUTCH SWITCH CRUISE CONTROL	6dP	6dN	BY CLUTCH PEDAL UNDER FLOOR PANEL	P46
LONGITUDINAL ACCELERATION SENDER	7dN	7dN	IN CENTRE CONSOLE	E40
LOCKING DIFFERENTIAL VALVES LONGIT. AND TRANSVERSE	3dM	3dM	IN LUGGAGE COMPARTMENT	E31
IDLE SPEED SWITCH AUTOMATIC TRANSMISSION	15bN	15bN	ON ENGINE	C50
IDLE SPEED POSITIONER	15bN	15bN	IN ENGINE COMPARTMENT	H41
AIR FLOW SENSOR	16bO	16bO	ON ENGINE	A43
MICRO SWITCH ROOF RIGHT	9aN	9aN	AT CONVERTIBLE TOP FRAME	M79
MICRO SWITCH ROOF LEFT	9aO	9aO	AT CONVERTIBLE TOP FRAME	L79
MICRO SWITCH REAR SPOILER EXTENDED	16bP	16bP	ON TAILGATE	O79
MICRO SWITCH REAR SPOILER RETRACTED	16bP	16bP	ON TAILGATE	O79
MICRO SWITCH TDC	12cL	12cL	BEHIND SIDE PANEL COVERING	O71
MICROSWITCH FOR TOP CONTROL	12cL	12cL	BEHIND SIDE PANEL COVERING	P71
MOTOR SUN ROOF	12aN	12aN	IN ROOF	G73
MOTOR TOP CONTROL RIGHT	15cN	15cN	BEHIND REAR SEAT	N71
MOTOR TOP CONTROL LEFT	15cO	15cO	BEHIND REAR SEAT	M71
MOTOR TOP LOCK RIGHT	9aN	9aN	AT CONVERTIBLE TOP FRAME	K/L79
MOTOR TOP LOCK LEFT	9aO	9aO	AT CONVERTIBLE TOP FRAME	J/K79
REAR FOG LIGHT CUTOFF RELAY	17dN	17dN	BEHIND REAR PANEL	A108
NTC HEATER FAN	16cP	16cP	IN ENGINE COMPARTMENT	G30
OIL PRESSURE SENDER/SWITCH	14cN	14cN	ON ENGINE	A54
OIL COOLER BLOWER	2dL	2dL	IN WHEEL HOUSING FRONT RIGHT	O21
OIL LEVEL GAGE	12cK	12cK	IN WHEEL HOUSING REAR RIGHT	E51/52

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
OIL TEMPERATURE SENDER FOR INSTRUMENT	14cN	14cN	ON ENGINE	A53
OIL TEMPERATURE SENDER FOR OIL COOLER BLOWER	2dL	2dL	IN WHEEL HOUSING FRONT RIGHT	J21
SWITCH LIFTING	12dO	12dO	ON GEARBOX	D-F129
BRAKE BOOSTER PUMP	1dO	1dO	IN LUGGAGE COMPARTMENT	H39/40
LATERAL ACCELERATION SENDER ABS	7dN	7dN	IN CENTRE CONSOLE	D40
LATERAL ACCELERATION SENDER AUTOMATIC TRANSMISSION	7dN	7dN	IN CENTRE CONSOLE	K129
CONTROL RELAY REAR WINDOW DEFOGGER	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	O/P29/30
RELAY CONDENSER BLOWER	6cM	6cM	CENTRAL ELECTRICS	L21
RELAY AC COMPRESSOR	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	L30
RELAY TWO-TONE HORN	6cM	6cM	CENTRAL ELECTRICS	F78
RELAY POWER WINDOW REGULATOR	6cM	6cM	CENTRAL ELECTRICS	K18/19
RELAY FREQUENCY TRANSFORMER	6cM	6cM	CENTRAL ELECTRICS	K56/H51
RELAY BLOWER ENGINE COMPARTMENT	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	J/K30
RELAY STARTER AUTOMATIC TRANSMISSION	6cM	6cM	CENTRAL ELECTRICS	N50
RELAY ADDITIONAL CLEANING FLUID PUMP	6cM	6cM	CENTRAL ELECTRICS	E75/76
RELAY THERMO SWITCH CATALYTIC CONVERTER	6cM	6cM	CENTRAL ELECTRICS	L/M51
RELAY TERM.X	6cM	6cM	CENTRAL ELECTRICS	K44
RELAY TERM.15 E	6cM	6cM	CENTRAL ELECTRICS	K/L44
RELAY REAR FOG LIGHT- BACKUP LIGHT	6cM	6cM	CENTRAL ELECTRICS	J/K7
RELAY FRONT FOG LAMP	6cM	6cM	CENTRAL ELECTRICS	J7
RELAY OIL COOLER BLOWER	6cM	6cM	CENTRAL ELECTRICS	K21
RELAY BRAKE BOOSTER PUMP	6cM	6cM	CENTRAL ELECTRICS	H34/35
RELAY SUN ROOF	6cM	6cM	CENTRAL ELECTRICS	H75
RELAY DAYTIME RUNNING LIGHT CANADA	6cM	6cM	CENTRAL ELECTRICS	D1
BACKUP LIGHT SWITCH	14dN	14dN	BY TRANSMISSION RIGHT	N1
SHIFT VALVE RESONANCE FLAP	15bN	15bN	ON ENGINE	G41
WINDSHIELD WASHING FLUID PUMP	3cQ	3cQ	BY WASHING FLUID RESERVOIR IN WHEEL HOUSING FL	A78
FUSES ENGINE COMPARTMENT	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	L28
HEADLIGHT CLEANER PUMP	3cQ	3cQ	BY WASHING FLUID RESERVOIR IN WHEEL HOUSING FL	A79/80
HEADLIGHT CLEANER RELAY	6cM	6cM	CENTRAL ELECTRICS	E78
STARTER	14dN	14dN	BY CLUTCH HOUSING RIGHT	P49/50
DRIVE CRUISE CONTROL	15cO	15cO	ON ENGINE	N43/44
CONTROL UNIT ABS	2dM	2dM	IN LUGGAGE COMPARTMENT	A33-38
CONTROL UNIT AIRBAG	6cO	—	ON INSTRUMENT PANEL	J114/115
CONTROL UNIT ALARM SYSTEM/CENTRAL LOCKING SYSTEM	9eM	9eM	UNDER THE SEAT RIGHT	J-M12
CONTROL UNIT AUTOMATIC TRANSMISSION	10dP	10dP	UNDER THE SEAT LEFT	C-G122
CONTROL UNIT CONVERTIBLE TOP	6cP	6cM	ON INSTRUMENT PANEL	J/K71
CONTROL UNIT INSTRUMENT LIGHT	7bQ	7bQ	IN LUGGAGE COMPARTMENT LEFT	K1
CONTROL UNIT REAR SPOILER	9eN	9eN	UNDER THE SEAT RIGHT	P74-76
CONTROL UNIT HEATING, AIR CONDITIONING	7cO	7cN	ON INSTRUMENT PANEL	B-F21
CONTROL UNIT CRUISE CONTROL	9eN	9eN	UNDER THE SEAT RIGHT	P43/44
Buzzer CONTACT	7cP	7cM	ON IGNITION LOCK	P56
FUEL LEVEL SENDER	5cM	5cP	IN FUEL TANK	K51
TANK VENTING VALVE	15cN	15cN	BY ENGINE TOP	H41
TEMPERATURE MOTOR	15cP	15cP	BY ENGINE LEFT	A45
VARIANT IDENTIFICATION SWITCH	9eP	9eP	UNDER THE SEAT LEFT	G43
RESISTOR BLOWER	16dP	16dP	IN ENGINE COMPARTMENT	J30
RESISTOR FOR BLOWER CONDENSER	2dQ	2dQ	IN WHEEL HOUSING FRONT LEFT	M21
RESISTOR OIL COOLER BLOWER	2dL	2dL	IN WHEEL HOUSING FRONT RIGHT	M21
WARNING BUZZER	7cP	7cP	ON INSTRUMENT PANEL	J60
WIPER INTERMITTENT CONTROL RELAY	6cM	6cM	CENTRAL ELECTRICS	F/G75
CENTRAL ELECTRICS	6cM	6cM	IN LUGGAGE COMPARTMENT	—
CENTRAL INFORMER	6cP	6cP	ON STEERING COLUMN	H32,F/G/H59
IGNITION CONTROL UNIT I	15cP	15cP	IN ENGINE COMPARTMENT LEFT	K41
IGNITION CONTROL UNIT II	15cP	15cP	IN ENGINE COMPARTMENT LEFT	J41
IGNITION COIL I	15cQ	15cQ	IN ENGINE COMPARTMENT LEFT	L41
IGNITION COIL II	15cQ	15cQ	IN ENGINE COMPARTMENT LEFT	K41
ADDITIONAL CLEANING FLUID PUMP	4cM	4cQ	IN LUGGAGE COMPARTMENT	A79



PLUG CONNECTIONS, GROUND POINTS, ABBREVIATIONS

PLUG CONNECTIONS

CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD
			LEFT-HAND DRIVE	RIGHT-HAND DRIVE		
T1	6	IGNITION LOCK	6cP	6cM	BY STEERING COLUMN LEFT	L48
T2	10	ABS	6cL	6cL	IN LUGGAGE COMPARTMENT RIGHT	C36/37, K122
T5	14	HEATER, AIR CONDITIONER	6cM	6cM	UNDER INSTRUMENT PANEL RIGHT	G25/26
T6	6	AIRBAG	7dN	7dN	IN CENTRE CONSOLE	F/G117
T7	14	DOOR DRIVER'S SIDE	6cQ	6cL	UNDER INSTRUMENT PANEL LEFT	A88,F88,E/F17
T8	10	DOOR DRIVER'S SIDE	6cQ	6cL	UNDER INSTRUMENT PANEL LEFT	C16,B59
T9	2	AIRBAG	7dN	7dN	IN CENTRE CONSOLE	G117
T10	14	REAR WINDOW SHELF	12cL	12cL	BEHIND SIDE PANEL COVERING	D9,M13,D27,E/F73,H72
T11	12	DOOR PASSENGER'S SIDE	6cL	6cQ	UNDER INSTRUMENT PANEL RIGHT	E14,D88,H88
T12	10	DOOR PASSENGER'S SIDE	6cL	6cQ	UNDER INSTRUMENT PANEL RIGHT	C14
T15	6	DME	9eP	9eP	UNDER THE SEAT LEFT	L43,C14,B53
T16	14	DME	9eP	9eP	UNDER THE SEAT LEFT	F45/46,B55
T18	2	LICENSE PLATE LIGHTS	17dL	17dL	TAIL LIGHTS RIGHT	D4
T19	2	OIL LEVEL GAGE	15cM	15cM	IN ENGINE COMPARTMENT RIGHT	E52
T20	3	GLOVE BOX LAMP, AIRBAG	6cL	—	UNDER INSTRUMENT PANEL RIGHT	D17
T21	10	TAILGATE	15cL	15cL	IN ENGINE COMPARTMENT RIGHT	N76,D13,D10
T22	4	INSIDE LIGHTS, SUN ROOF	15dM	15dM	BELOW THE PARCEL TRAY	H73,D12
T23	2	INSIDE LIGHTS CONVERTIBLE, TARGA	6cQ	6cQ	UNDER INSTRUMENT PANEL LEFT	D12
T24	2	SIDE TURN SIGNAL LEFT	7bQ	7bQ	IN LUGGAGE COMPARTMENT ON SIDE MEMBER LEFT	D/E9
T25	2	SIDE TURN SIGNAL RIGHT	7bL	7bL	IN LUGGAGE COMPARTMENT ON SIDE MEMBER RIGHT	C2
T27	2	LUGGAGE COMPARTMENT LIGHT	7bL	7bL	IN LUGGAGE COMPARTMENT ON SIDE MEMBER RIGHT	D16
T30	14	NO. 16 MOTOR	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	N/03,J27/28,D48/49,B54
T31	12	MOTOR, DME	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	D/E47,B53
T34	14	HEATER, AIR CONDITIONER	6cM	6cM	IN LUGGAGE COMPARTMENT RIGHT	G23/24
T35	12	CONVERTIBLE TOP	12cL	12cL	BEHIND SIDE PANEL COVERING	K73/74
T36	6	REAR WINDOW	15dM	15dM	BELOW THE PARCEL TRAY	D9,D28
T38	7	NO.4, FRONT LIGHTS	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	C5/6
T39	5	NO.4, FRONT LIGHTS	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	C6/7
T40	30	AUTOMATIC TRANSMISSION	9eP	9eP	UNDER THE SEAT LEFT	H124/125
T41	12	AUTOMATIC TRANSMISSION	9eP	9eP	UNDER THE SEAT LEFT	C/D50,E127

GROUND POINTS

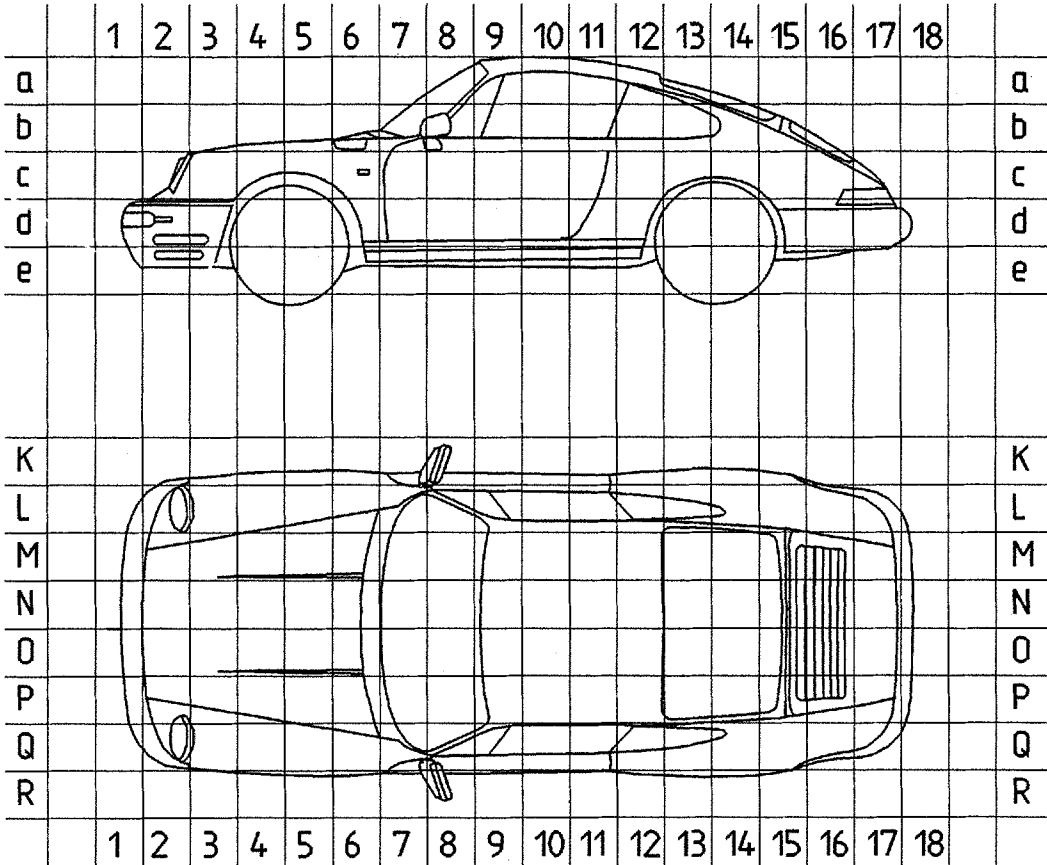
CODE	NOTE	POSITION IN VEHICLE LEFT-HAND DRIVE
GP I	LUGGAGE COMPARTMENT, WHEEL HOUSING LEFT	2cP
GP II	LUGGAGE COMPARTMENT, WHEEL HOUSING RIGHT	2cM
GP III	ON FIREWALL	—
GP IV	GROUND FOR POWER CONSUMERS, UNDER SEAT LEFT	11eP
GP V	ELECTRONICS, UNDER SEAT LEFT	10eP
GP VI	CENTRAL ELECTRICS, ON SIDE MEMBER RIGHT	6bL
GP VII	ANTENNA AMPLIFIER ON SIDE MEMBER LEFT	7bL
GP VIII	INSIDE LIGHT CONVERTIBLE, ROOF CENTRE FRONT	9aN
GP IX	INSIDE LIGHT, ROOF RIGHT	11aL
GP IX	INSIDE LIGHT, ROOF LEFT	11aP
GP X	BATTERY, LUGGAGE COMPARTMENT LEFT	3eP
GP XI	GROUND STRAP (STARTER, TRANSMISSION, ENGINE, BODY)	14cM
GP XII	ENGINE COMPARTMENT REAR LEFT	15cQ
GP XII	MOTOR LEFT	15cD
GP XIV	ENGINE COMPARTMENT REAR RIGHT	15cL
GP XV	INSTRUMENTS, SIDE MEMBER LEFT	13dP
GP XVI	COMBINED LEAD REAR LEFT	12dM
GP XVII	COMBINED LEAD REAR RIGHT	4cM
GP XVIII	COMBINED LEAD FRONT RIGHT	4cP
GP XIX	COMBINED LEAD FRONT LEFT	8eL
GP XX	SEAT CROSS MEMBER, UNDER SEAT RIGHT	16cND
GP XXI	GROUND FOR POWER CONSUMERS, CONNECTION CRANK CASE	16cND
GP XXII	ELECTRONICS, CONNECTION CRANK CASE	16cND

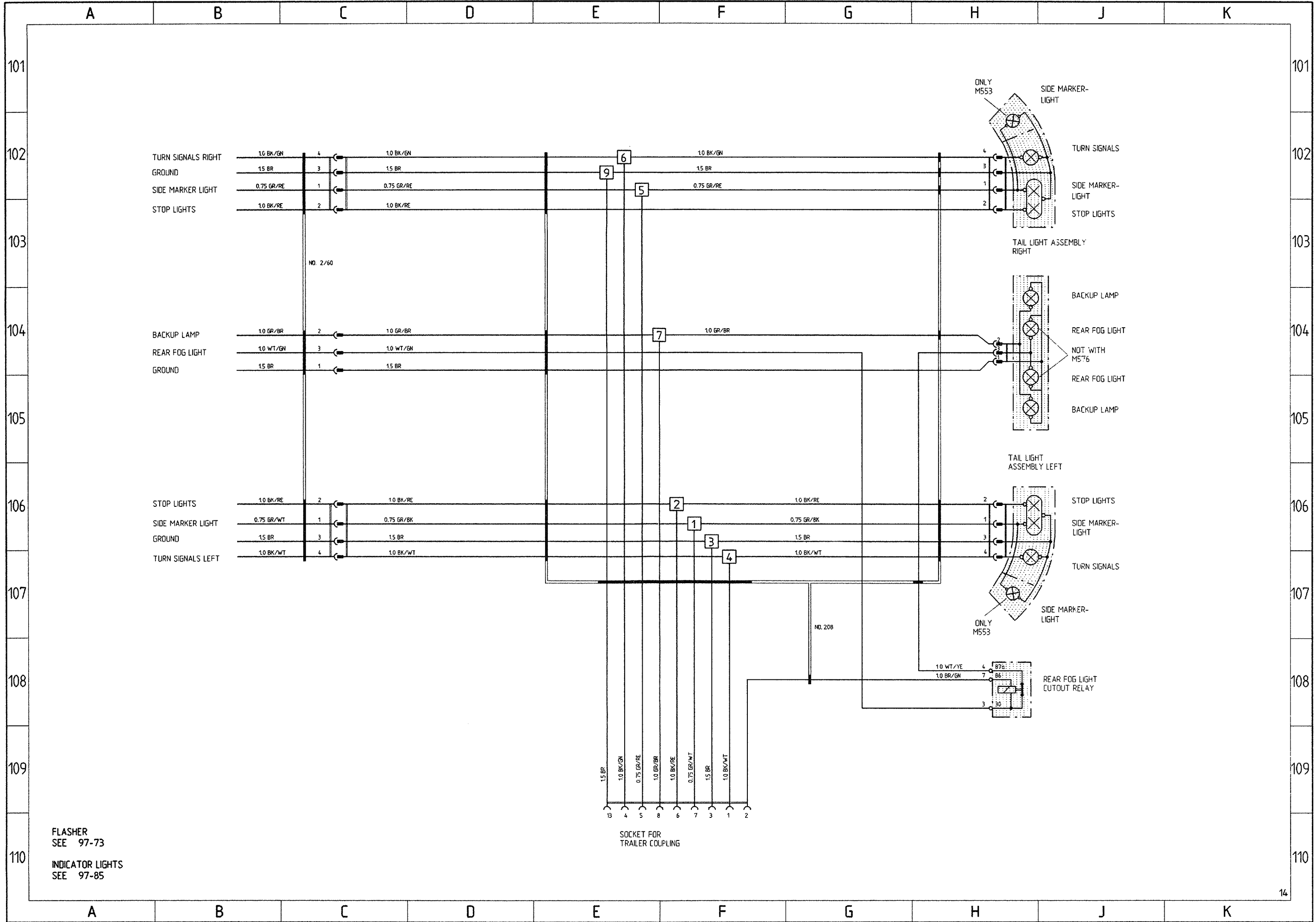
ABBREVIATIONS

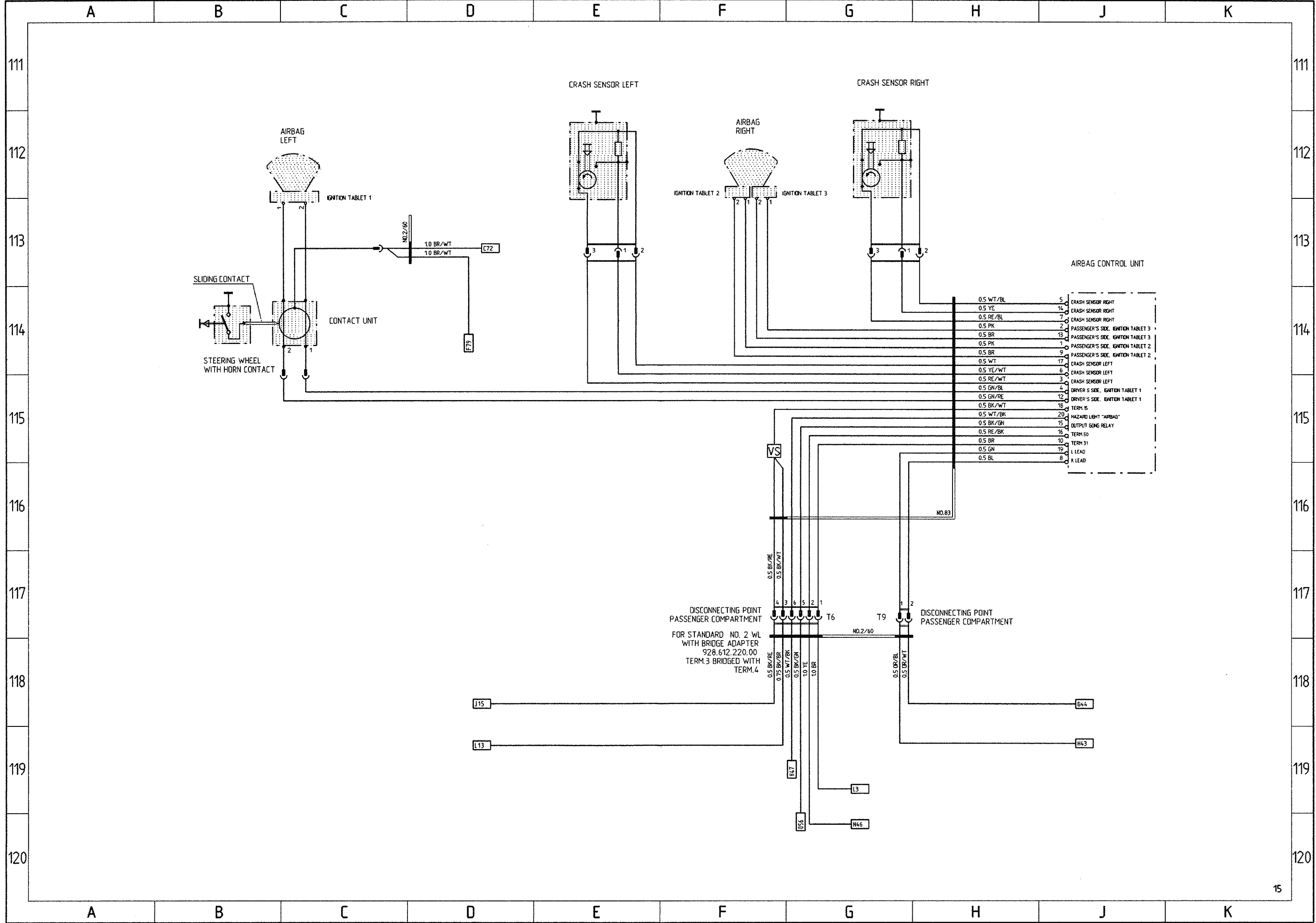
CODE	MEANING	CODE	MEANING
ABS	ANTILOCK BRAKING SYSTEM	PIN	PIN
AC	AIR CONDITIONING SYSTEM	POT	POTENTIOMETER
SS	SPEED SENSOR	PSD	PORSCHE LIMITED SLIP DIFFERENTIAL
DEF	DEFROST	RDK	TIRE PRESSURE CONTROL
ESD	ENGINE-SPEED SENSOR OUTPUT	ROW	REST OF WORLD
DME	DIGITAL ENGINE ELECTRONICS	RHD	RIGHT-HAND DRIVE
EZK	ELECTRIC IGNITION SYSTEM WITH KNOCK CONTROL	CL	CLOSE
FCU	FREQUENCY CONVERTER UNIT	SA	SAUDI ARABIA
RA	REAR AXLE	CU	CONTROL UNIT
HF	HIGH FREQUENCY	WP	WELD POINT
RL	REAR LEFT	HCS	HEADLIGHT CLEANING SYSTEM
RR	REAR RIGHT	PL	PLUG
IC	INSTRUMENT CLUSTER	DP	DISCONNECTING POINT
TE	TERMINAL	USA	USA
SCS	COMBINED STEERING COLUMN SWITCH	FA	FRONT AXLE
WL	WIRING LOOM	FL	FRONT LEFT
LED	LIGHT-EMITTING DIODE	FR	FRONT RIGHT
LHD	LEFT-HAND DRIVE	CP	CONNECTING POINT
GP	GROUND POINT	WW	WORLDWIDE
LF	LOW FREQUENCY	CES	CENTRAL ELECTRICS
FOG	FOG LIGHT	ADL	ADDITIONAL DRIVING LIGHTS
NO	NUMBER	CLS	CENTRAL LOCKING SYSTEM
RFL	REAR FOG LIGHT		
NTC	NEGATIVE TEMPERATURE COEFFICIENT		
OP	OPEN		

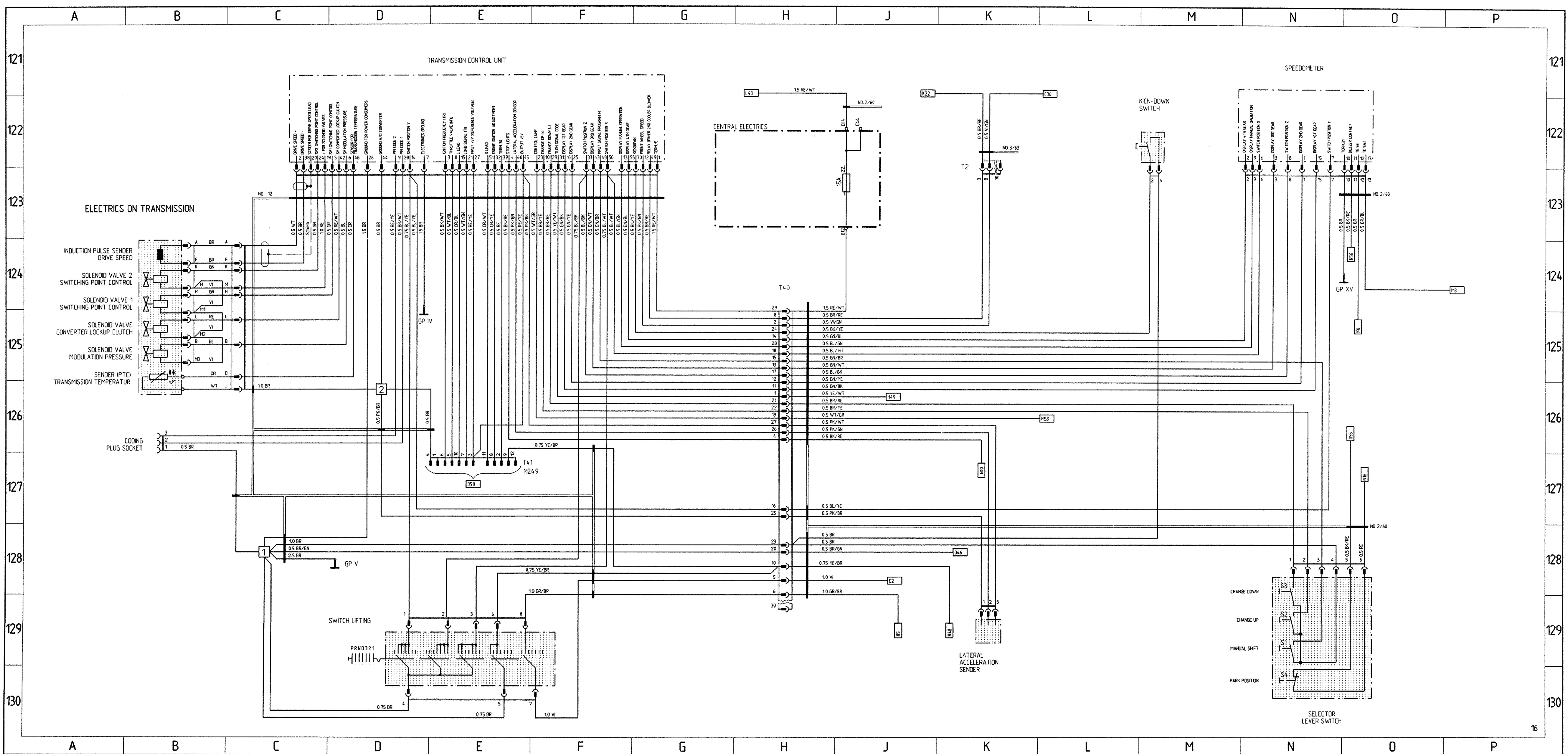
M - NUMBERS

M 139	ADJUSTABLE SEAT HEATING, LEFT SEAT
M 193	JAPAN VERSION
M 249	AUTOMATIC TRANSMISSION
M 340	ADJUSTABLE SEAT HEATING, RIGHT SEAT
M 383	SPORT SEAT LEFT ELECTRIC HEIGHT ADJUSTMENT
M 387	SPORT SEAT RIGHT ELECTRIC HEIGHT ADJUSTMENT
M 425	REAR WINDOW WIPER
M 437	COMFORT SEAT LEFT
M 438	COMFORT SEAT RIGHT
M 439	ELECTRIC CONVERTIBLE TOP
M 454	CRUISE CONTROL
M 513	LUMBAR SUPPORT SEAT RIGHT
M 553	USA - CANADA VERSION
M 562	AIRBAG
M 573	AIR CONDITIONING SYSTEM
M 576	WITHOUT REAR FOG LIGHT
M 586	LUMBAR SUPPORT SEAT LEFT
M 602	HIGH MOUNTED STOP LIGHT
M 650	SUN ROOF
M 659	ON-BOARD COMPUTER









Changes to the circuit diagram for the 911 Carrera 2/4, models 89, 90

Sheet 5, D 50

Within the update, ground points for the DME control unit were marked incorrectly.

2.5 mm² lead, brown, to ground point XXI.

1.5 mm² lead, brown, to ground point XXII.

Changes to the circuit diagram for the 911 Carrera 2/4 models 90, 91

Sheet 8, O/P 71/72 and L/M 79

The zero travel, convertible top operation, top left-hand, top right-hand microswitches are drawn in the "open" position in the wiring diagrams. They are designed as normally closed switches, however; refer to model 92.

Please alter the circuit diagrams accordingly.

Wiring Diagram

Type 911 Carrera 2 and 4 Model 92

	Coordinates		
Sheet 1	1 - 10		Lights
Sheet 2	11 - 20		Alarm System, Central Locks, Mirror, Power Window Regulator, Inside Lights
Sheet 3	21 - 30		Heater, AC, Coolant Fan, Rear Window Defogger
Sheet 4	31 - 40		ABS, Porsche Dynamic AWD Control (Carrera 4)
Sheet 4a	31 - 40		ABS (Carrera 2)
Sheet 4b			ABS Turbo look (Carrera 2)
Sheet 5	41 - 50		Motor, Ignition, Cruise Control
Sheet 6	51 - 60		Instruments, Sender, Central Informer, On-board computer
Sheet 7	61 - 70		Seats
Sheet 8	71 - 80		Rear Spoiler, Two-Tone Horns, Wipe- and Wash Cleaners, Sun Roof, Convertible Top
Sheet 9	81 - 90		Radio, Telephone
Sheet 10	91 - 100		Fog Light, Rear Fog Light
Sheet 11			Central Electric
Sheet 12			Construction Components
Sheet 13			Plug Connections, Ground Points, M-Numbers, Abbreviations
Sheet 14	101 - 110		Trailer Coupling
Sheet 15	111 - 120		Airbag
Sheet 16	121 - 130		Tiptronic (Carrera 2)
Sheet 17	131 - 140		911 Carrera RS

Wiring Diagram

Type 911 Carrera 2 and 4 Model 92

The wiring diagram consists of *17 individual wiring diagrams*, 1 sheet *construction components* and 1 sheet *plug connections and ground points*. These are divided into coordinate fields.

Each individual wiring diagram contains a part of the central-electrics box in a dashdotted frame.

This part of the central-electrics box shows all the lines and relays necessary for the individual wiring diagram.

The earth/ground points are identified by "MP" and their location is shown in a vehicle diagram.

The 10-pin connectors on the central-electrics box are clipped together out of 3 parts, the 20-pin connectors are clipped together out of 5 parts.

Part 1, with the moduled-on fastening lug, is the "starting element".

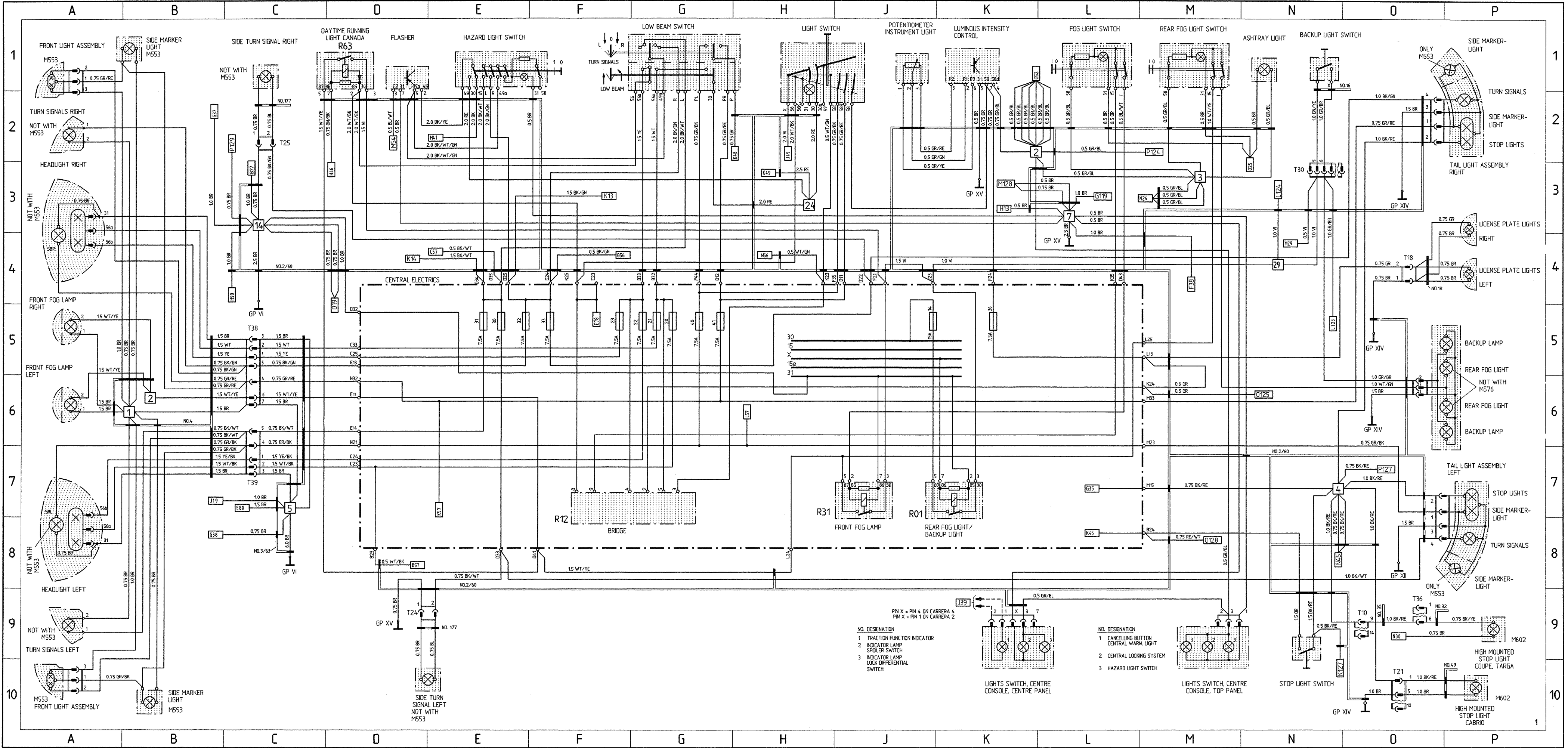
Parts 2,3 and 4 are "module elements".

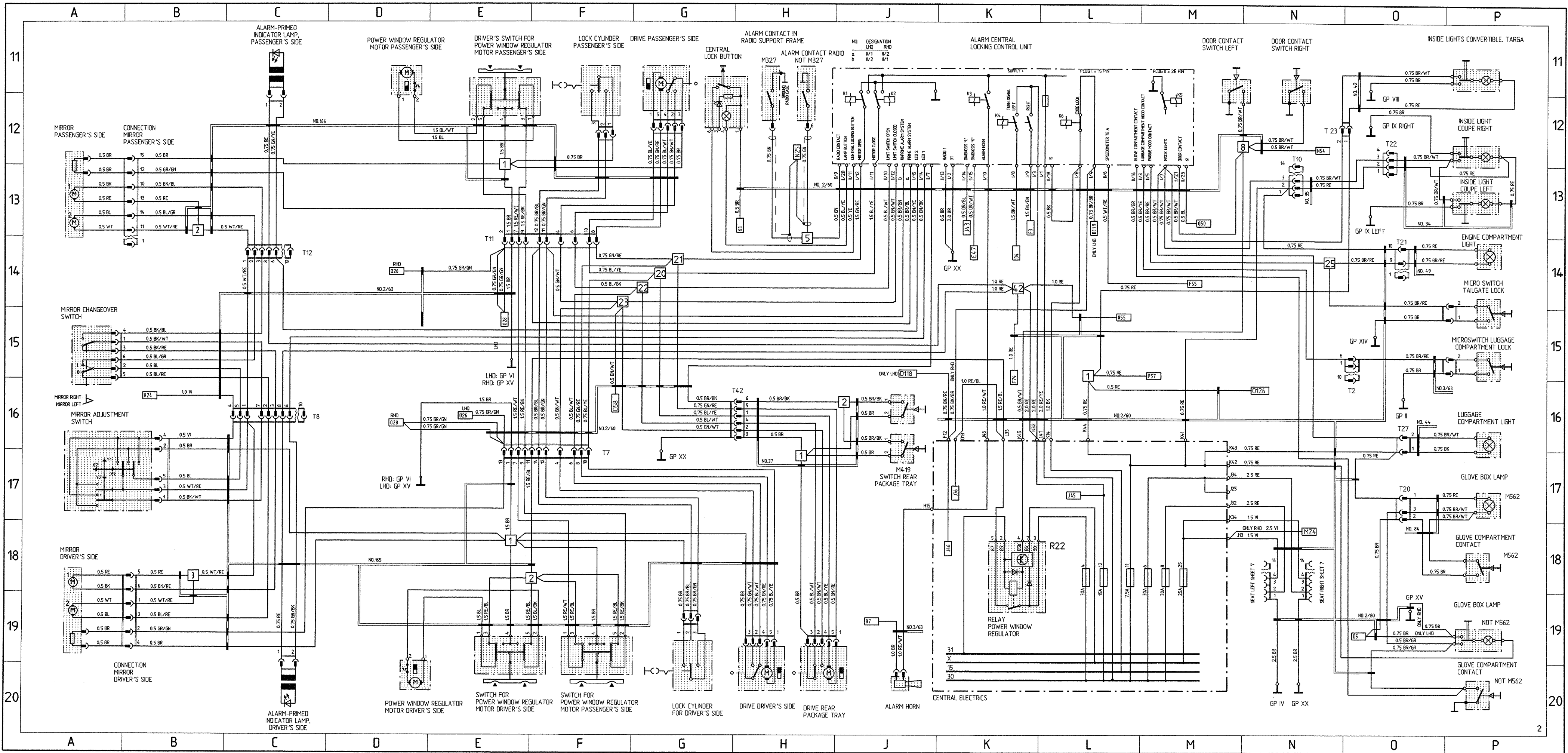
The 10-pin connectors only contents one "module element".

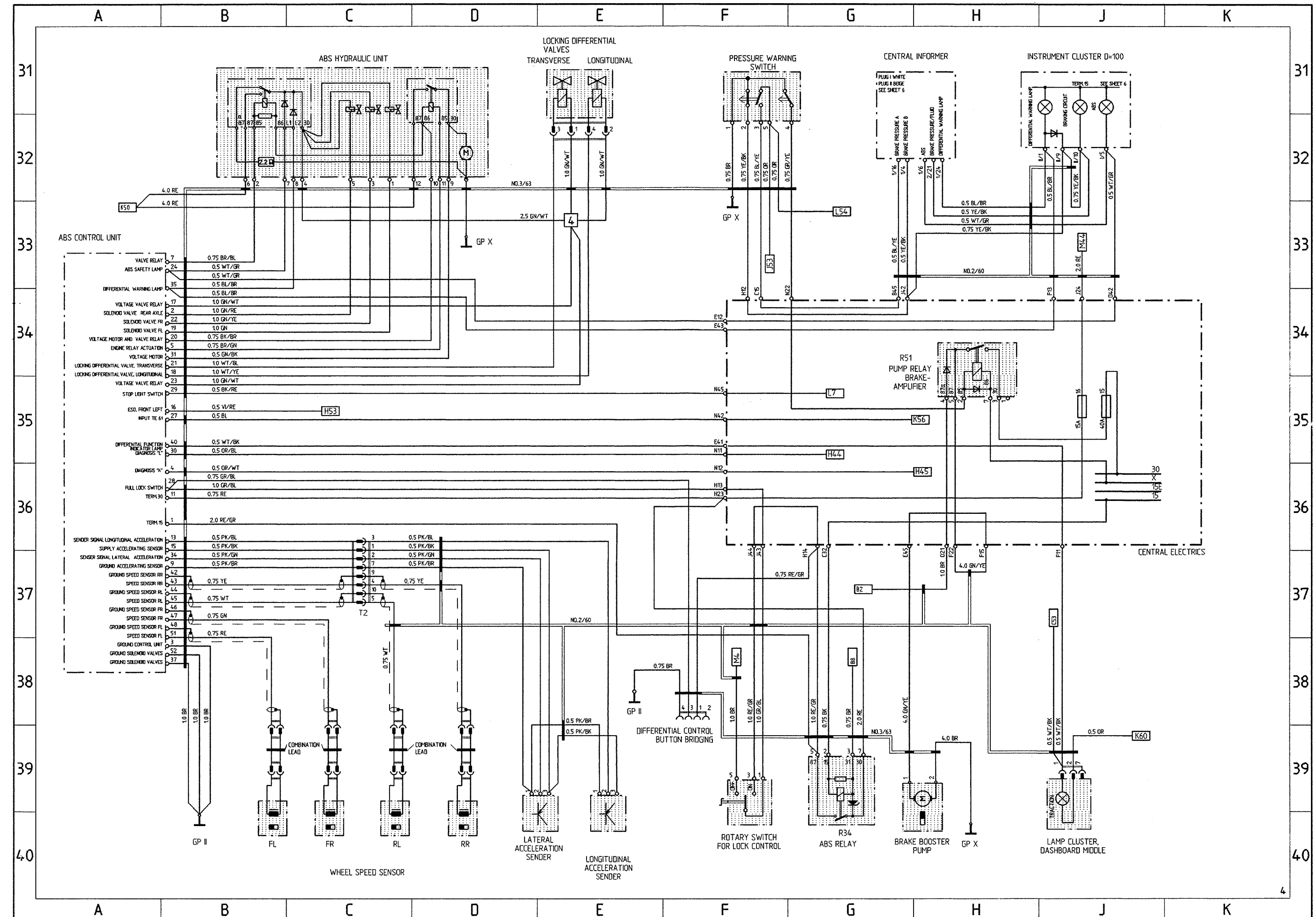
Start- and module elements are identified by the numbers 1.....5.

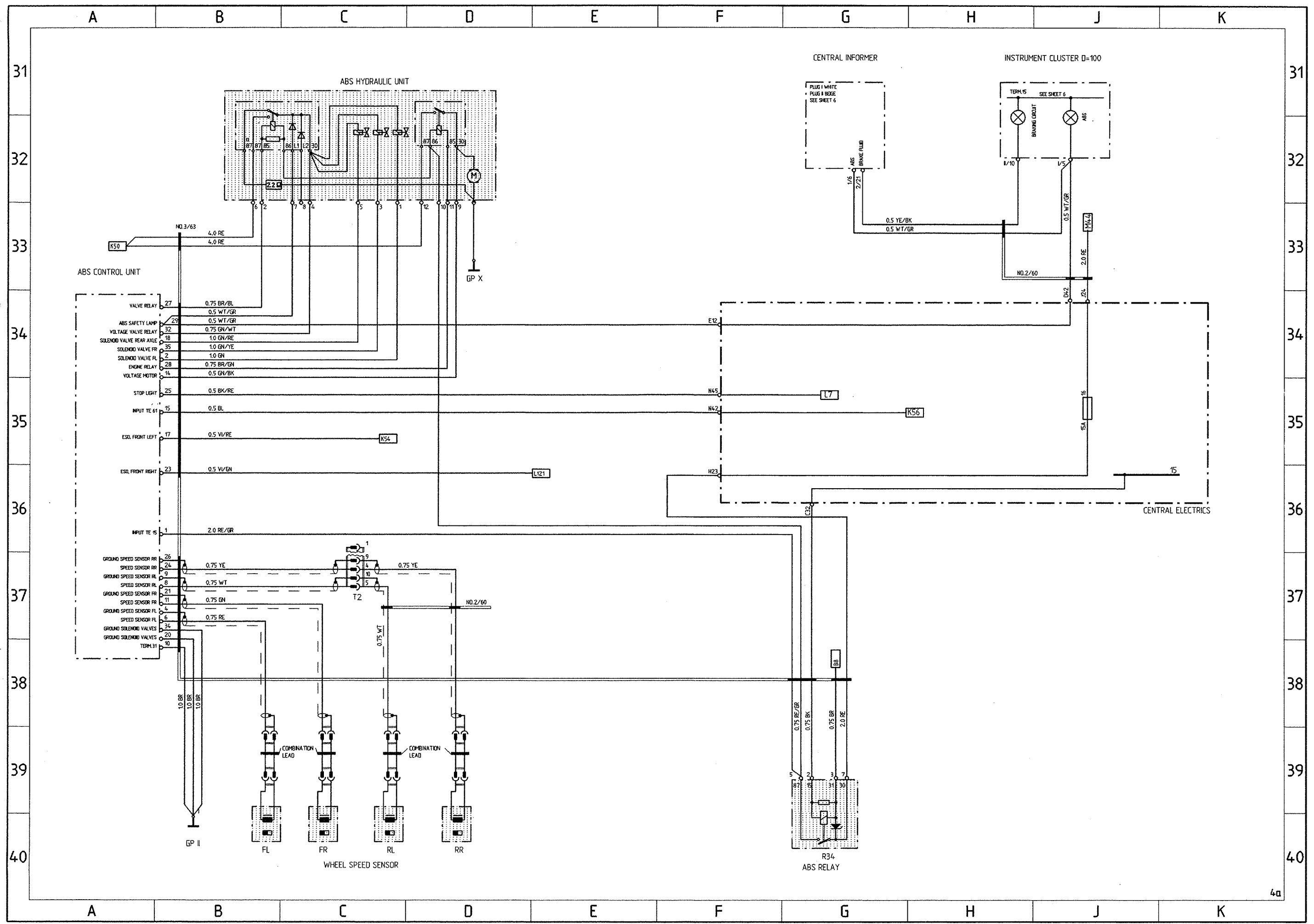
Part 5 ist a "coding element".

The designations of the plug connections in the wiring diagram refer to the "starting element" from, for example, B 11.....15, and to the first module element from B 21.....25.



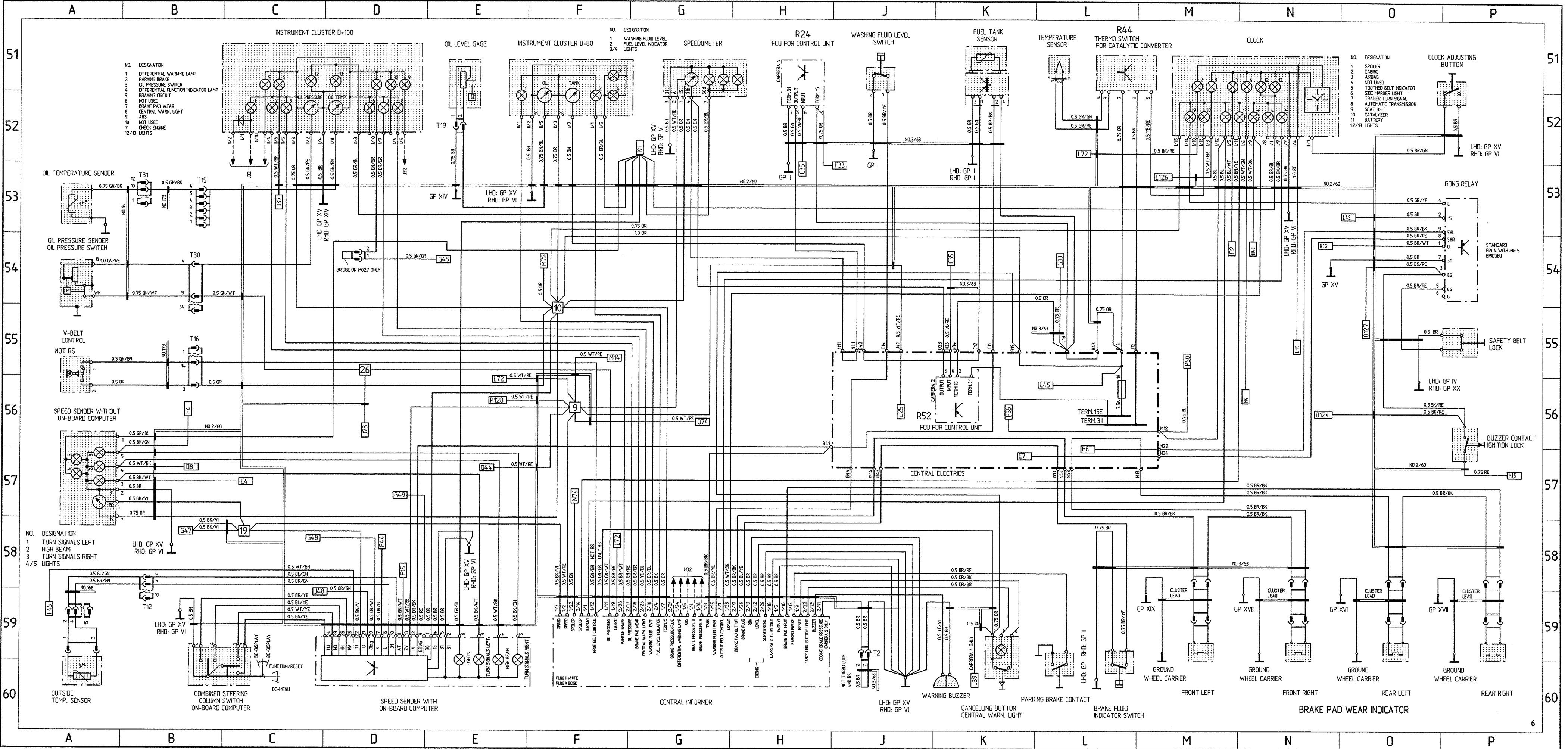




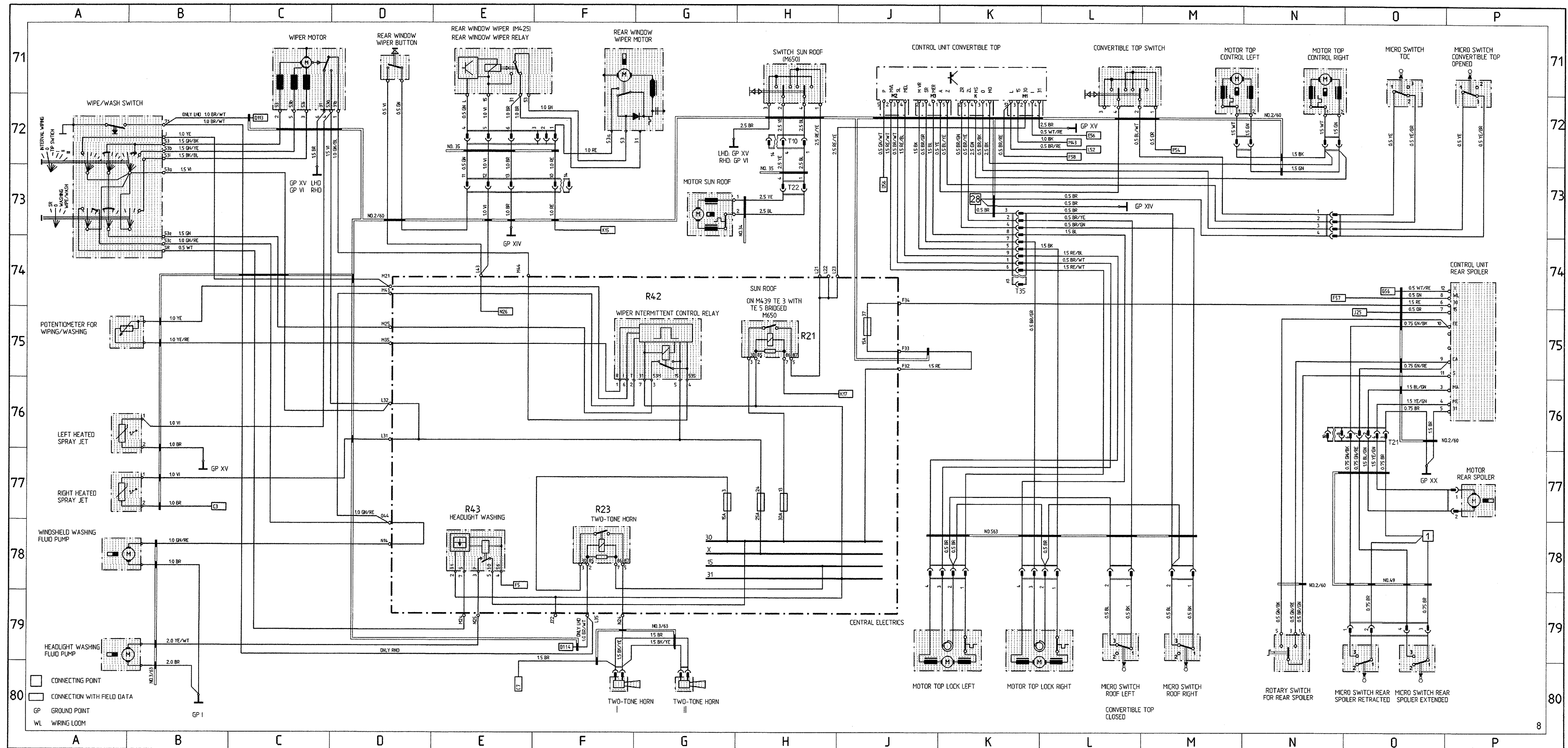


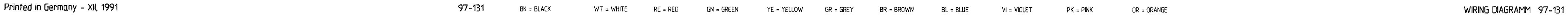












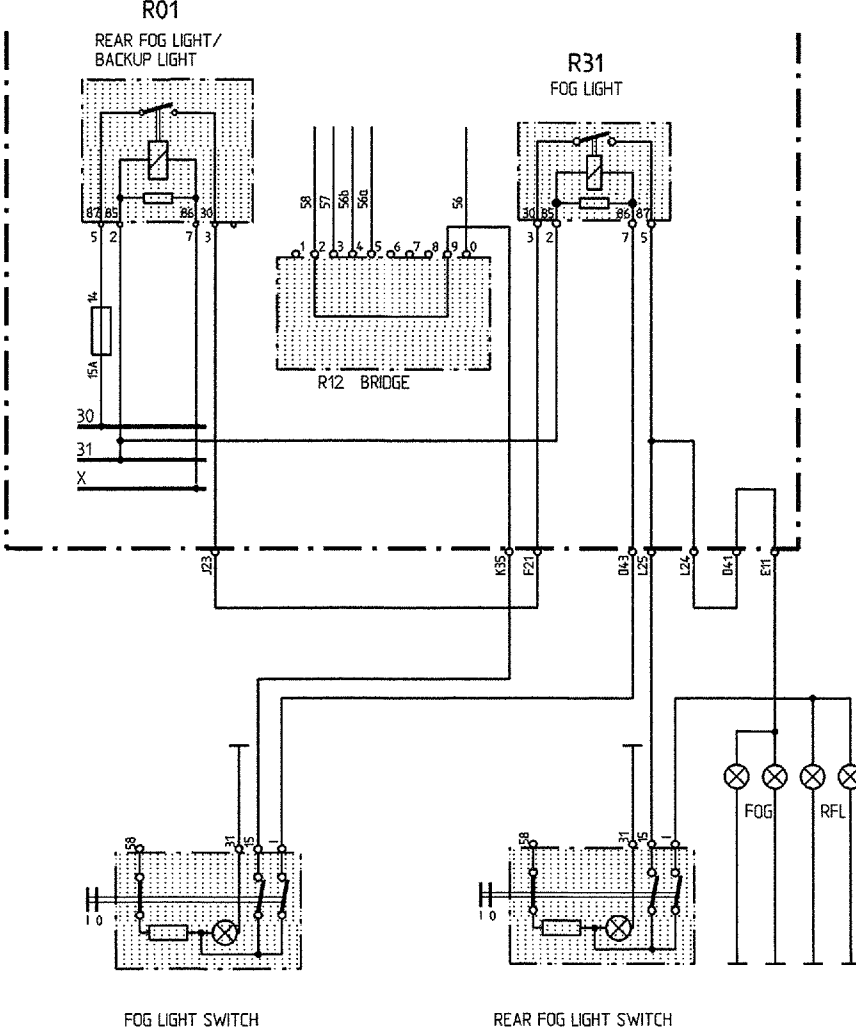
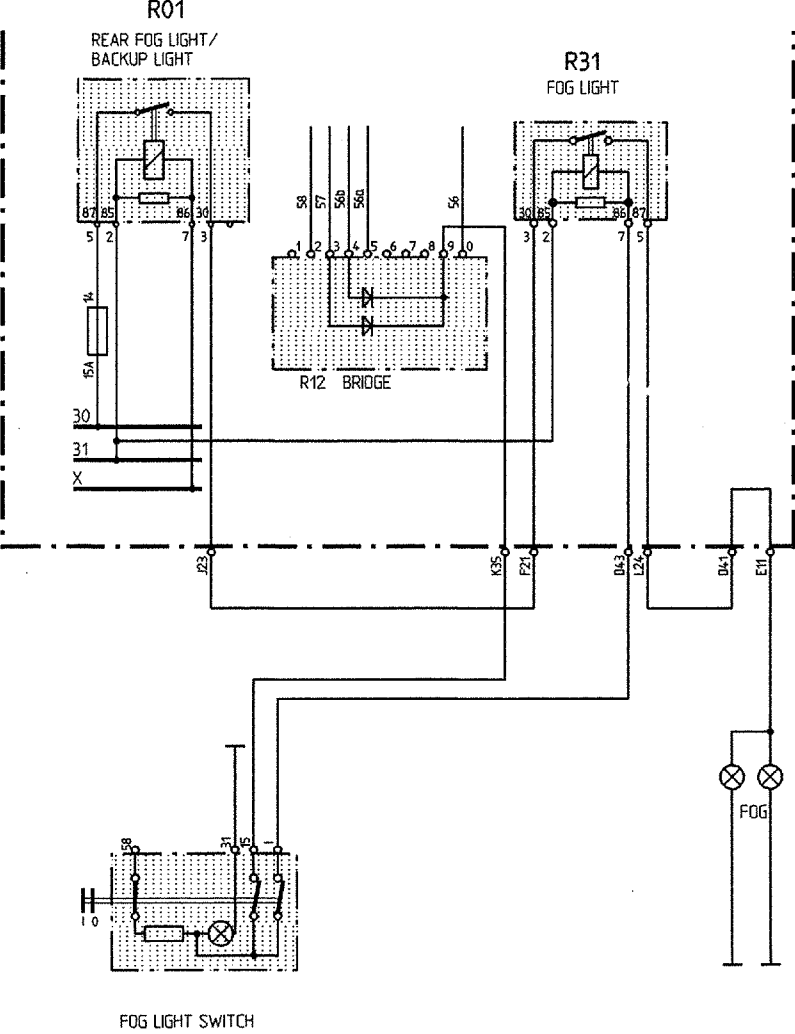
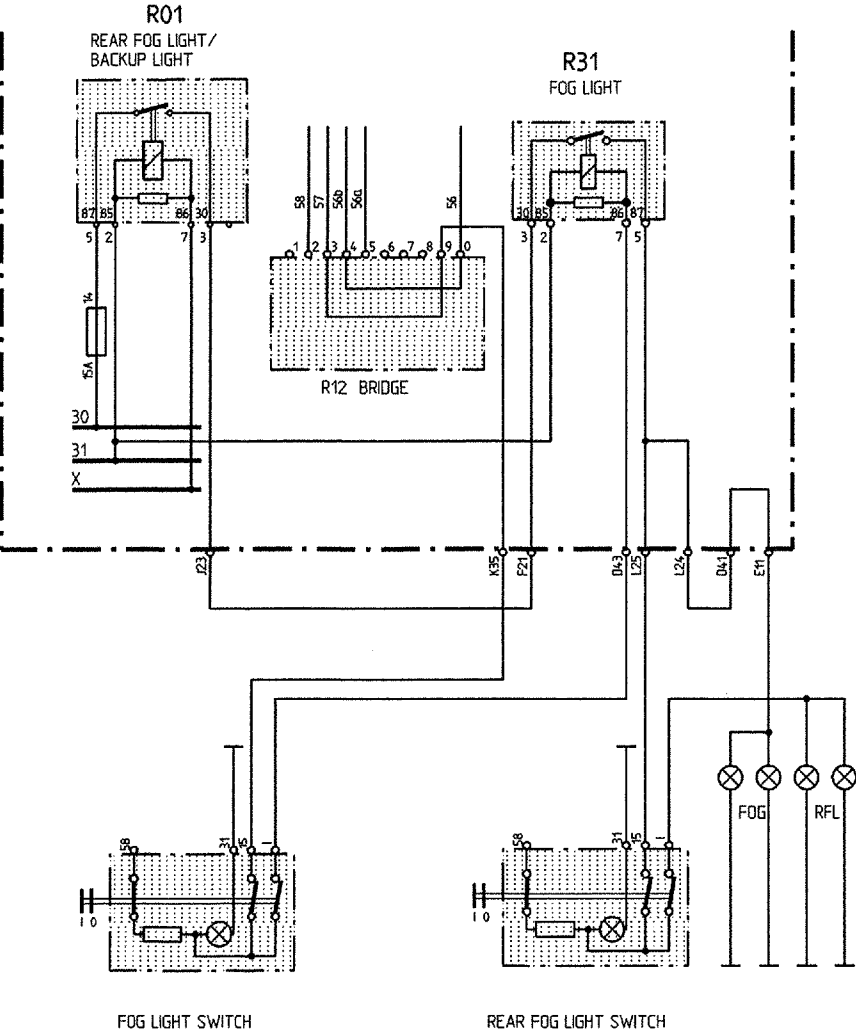
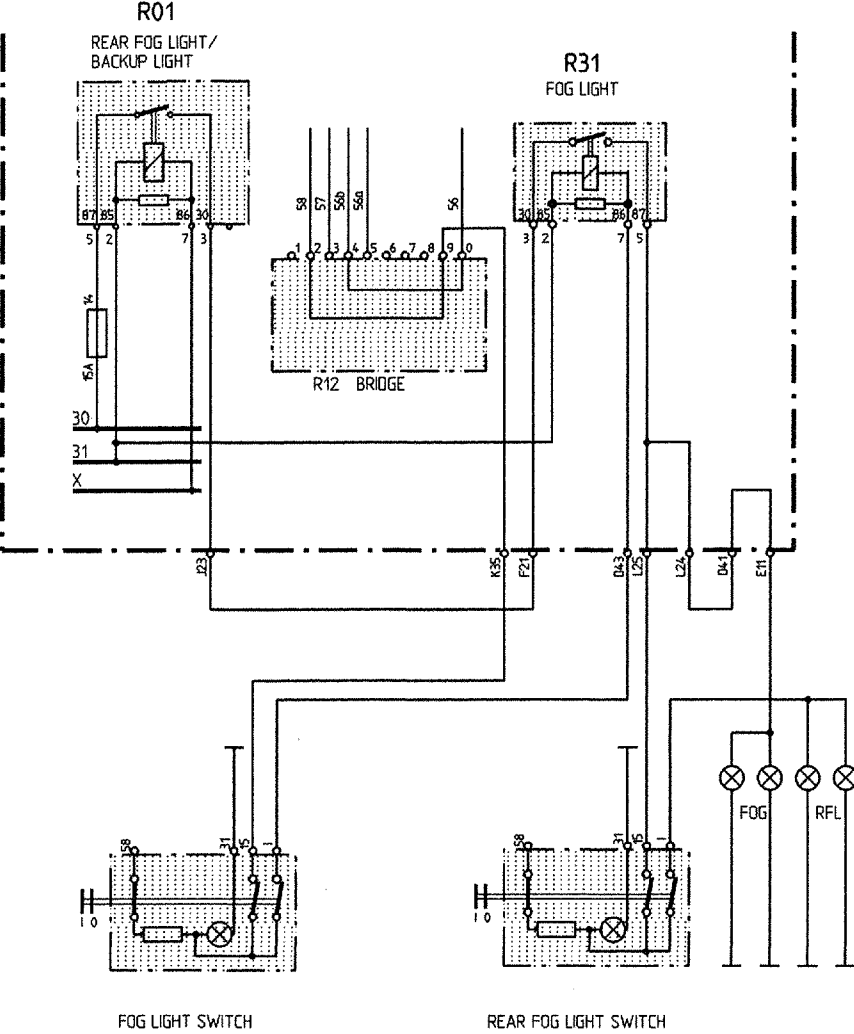
FOG LIGHT - AND REAR FOG LIGHT-WIRINGS

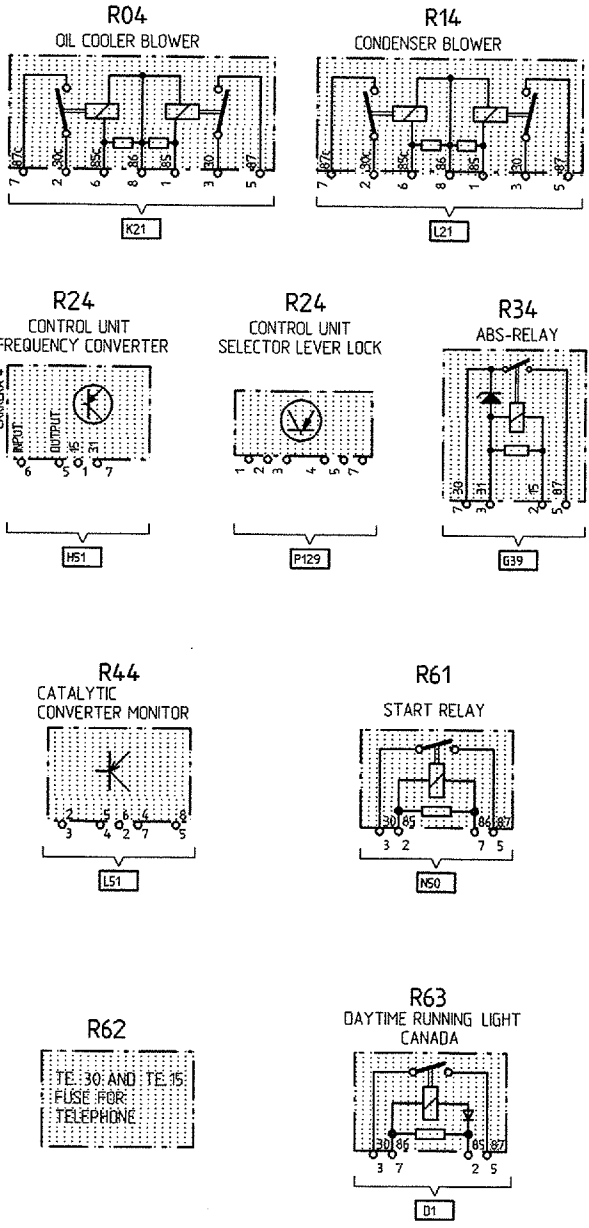
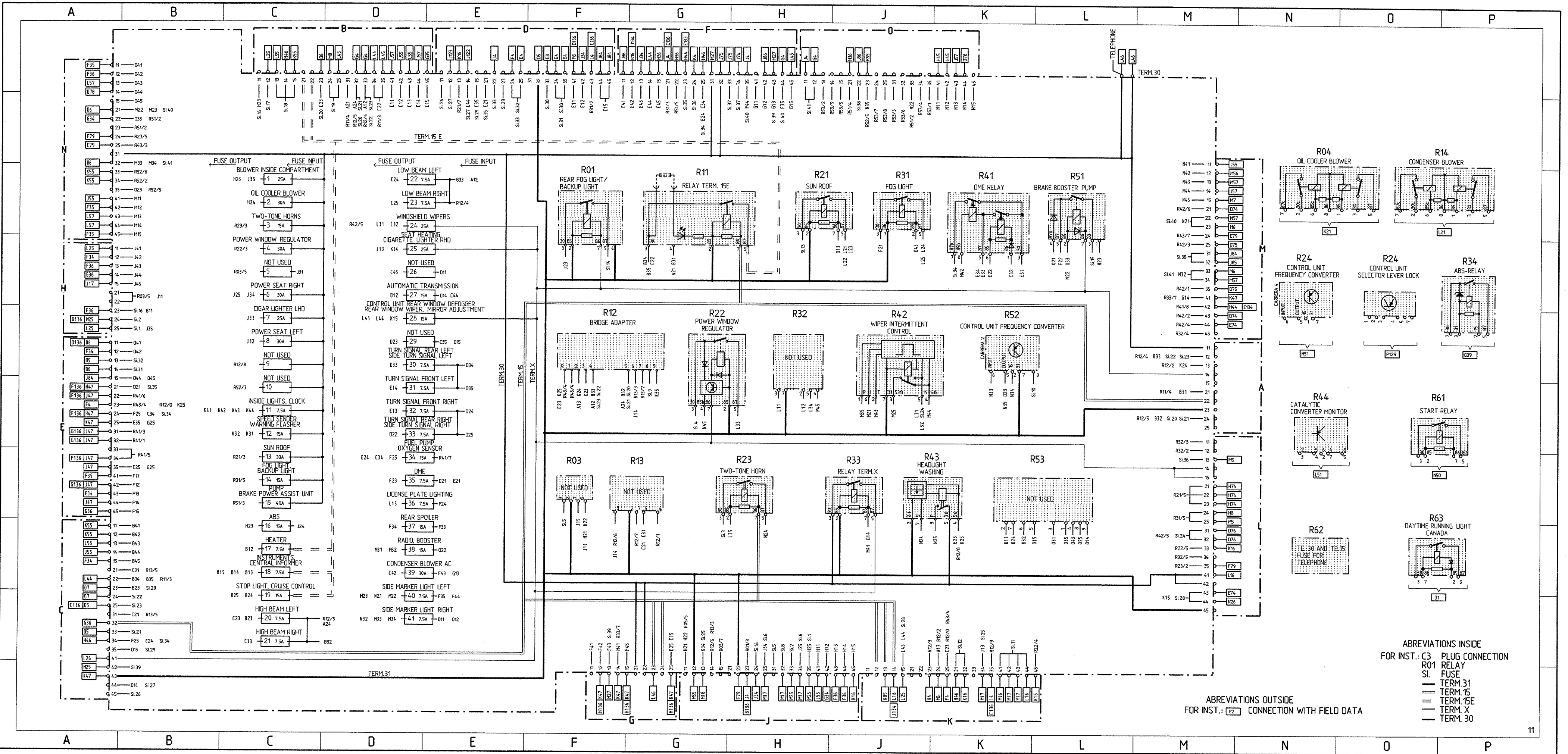
ROW
FOG LIGHT +
REAR FOG LIGHT FROM 58

M487-NORWAY
FOG LIGHT + REAR FOG LIGHT
ONLY WITH 57

M553-USA
FOG LIGHT WITH 56b + 57

M193 JAPAN
FOG LIGHT +
REAR FOG LIGHT FROM 58



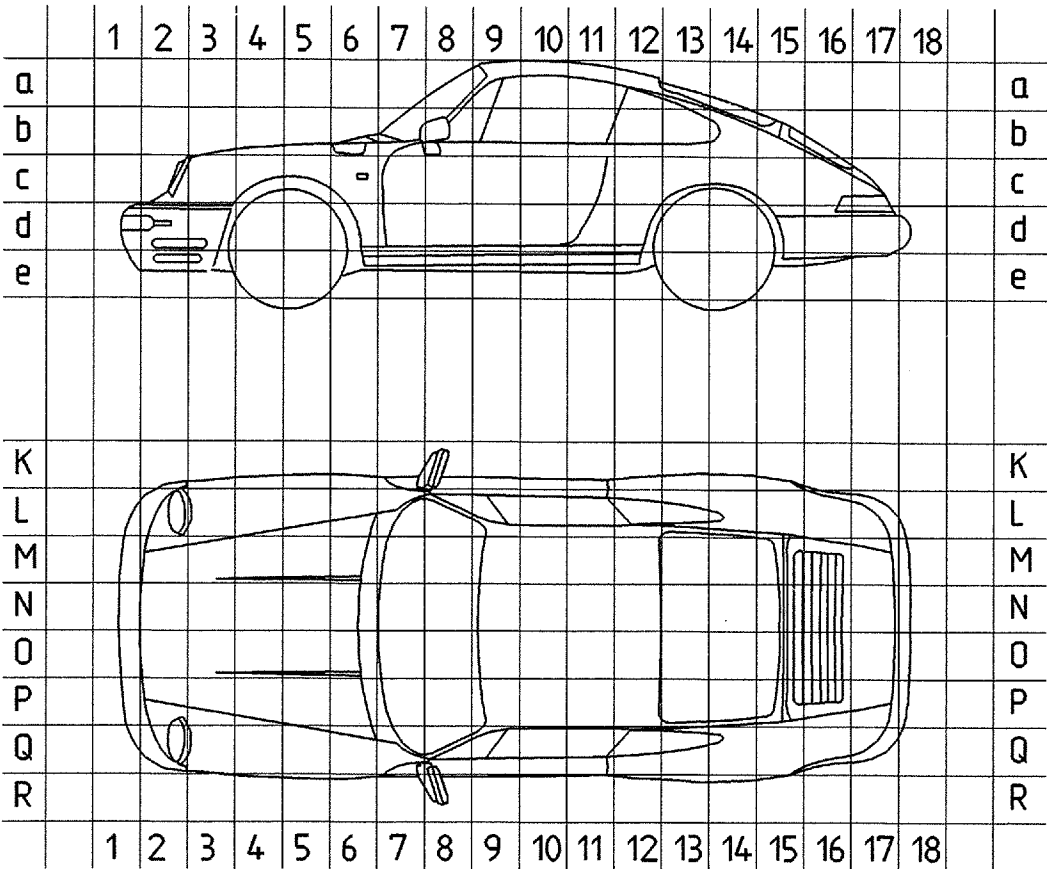


- ABBREVIATIONS INSIDE
FOR INST.: C3 PLUG CONNECTION
R01 RELAY
SL FUSE
TERM. 31
TERM. 15
TERM. 15E
TERM. X
TERM. 30
- ABBREVIATIONS OUTSIDE
FOR INST.: E2 CONNECTION WITH FIELD DATA

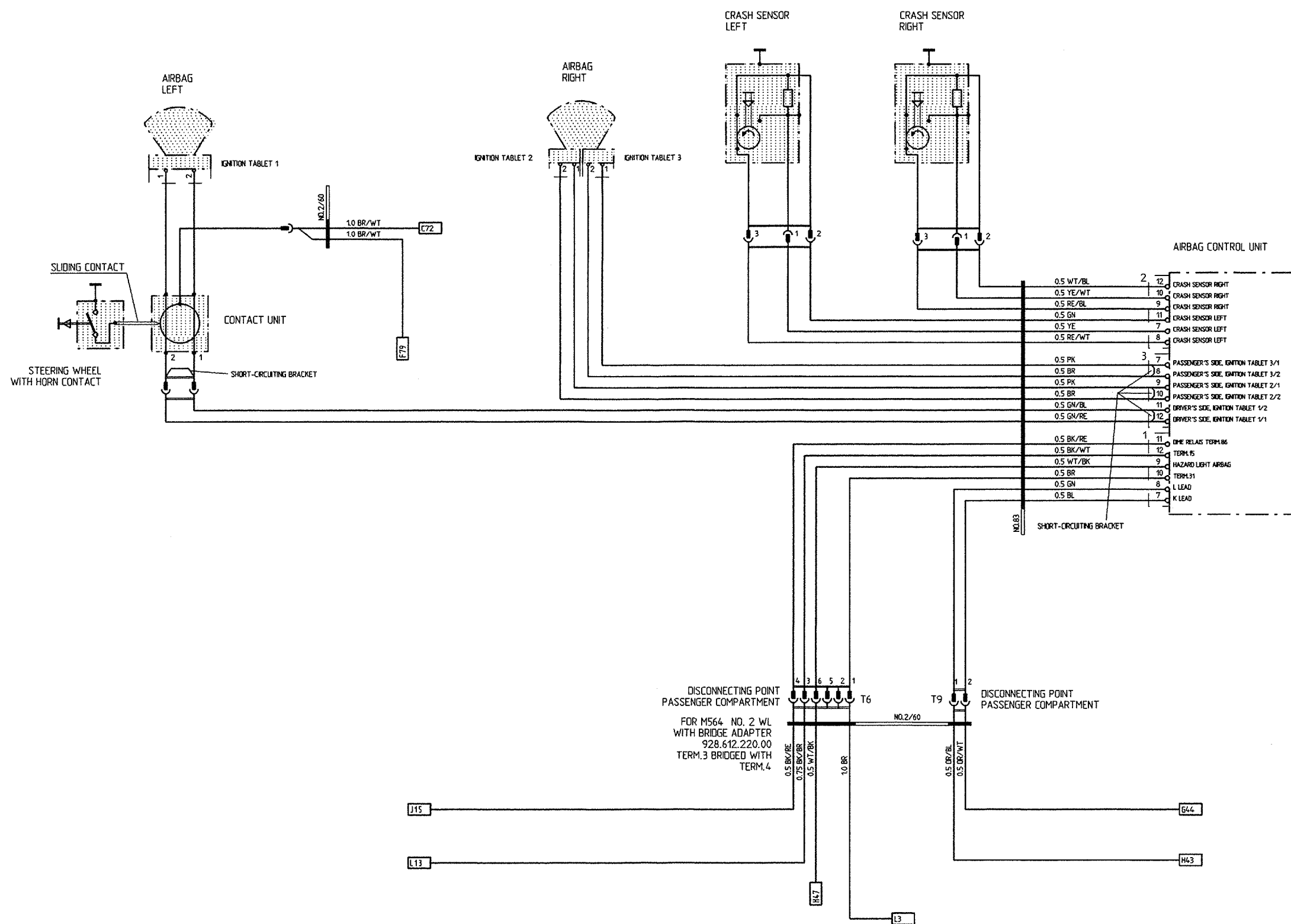
CONSTRUCTION COMPONENTS

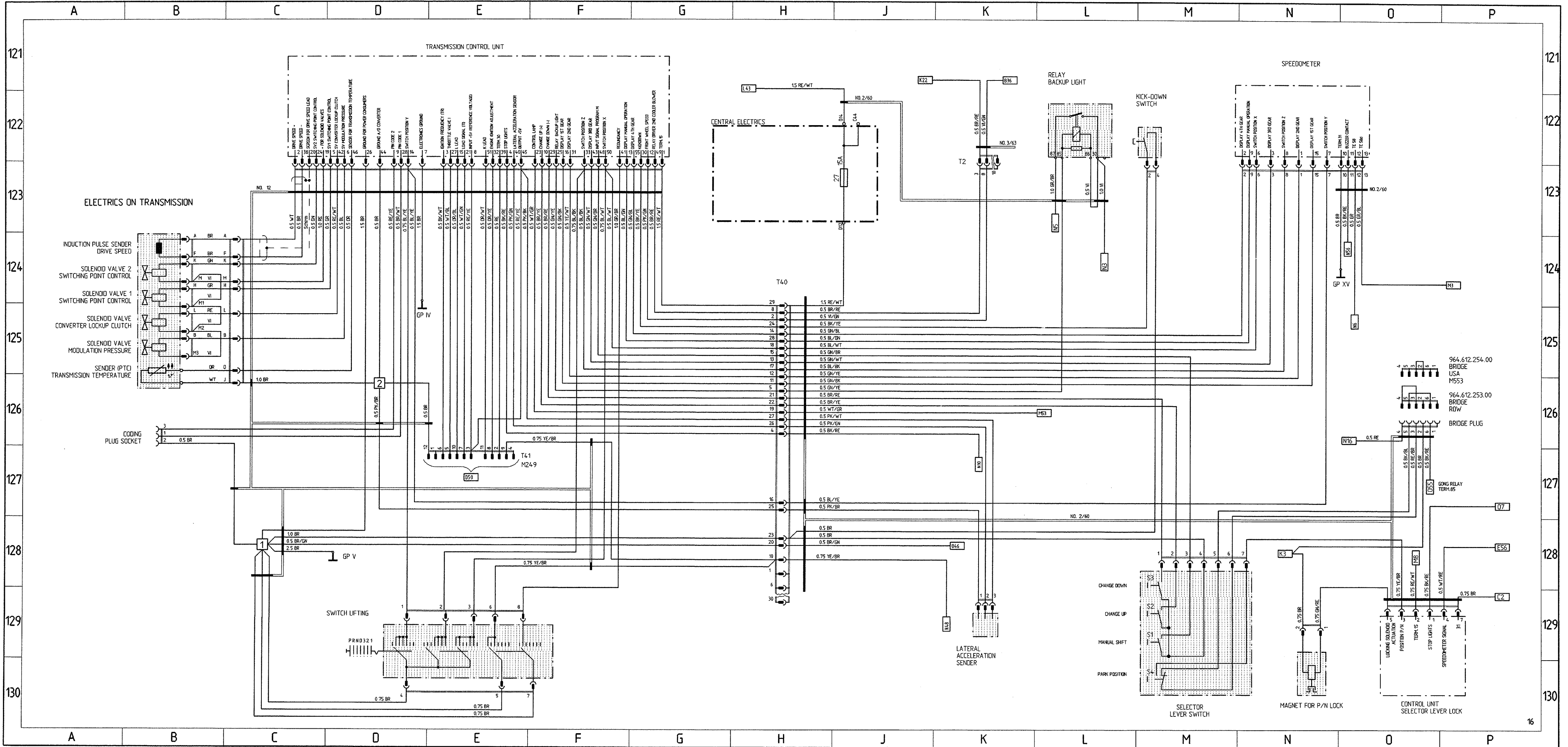
DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
ABS RELAY	6cM	6cM	CENTRAL ELECTRICS	G39/40
ALARM HORN	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	J20
ANTENNA AMPLIFIER	7bL	7bQ	IN LUGGAGE COMPARTMENT	B84/E84
OUTSIDE TEMP. SENSOR	8bR	8bK	IN OUTSIDE MIRROR	B60
BATTERY MAIN SWITCH RS	2dN	2dN	IN LUGGAGE COMPARTMENT	H138/139
FLASHER	7dN	7dN	IN CENTRE CONSOLE	D1
BOOSTER	9eM	9eM	UNDER THE SEAT RIGHT	F/G85
STOP LIGHT SWITCH	6dP	6dM	AT THE BRAKE PEDAL BELOW THE FLOOR PANEL	N9
DIAGNOSIS CONNECTION	7cL	7cQ	IN PASSENGER'S FOOTWELL	G/H50
DME RELAY	6cM	6cM	CENTRAL ELECTRICS	J44
DME CONTROL UNIT	9eP	9eP	UNDER THE SEAT LEFT	B-F41
SPEED SENDER	15cP	15cP	BY ENGINE LEFT	A47
THROTTLE VALVE POTENTIOMETER, AUTOM. TRANSMISSION	15bN	15bN	ON THROTTLE VALVE ASSEMBLY	C50
THROTTLE VALVE SWITCH, MANUAL TRANSMISSION	15bN	15bN	ON THROTTLE VALVE ASSEMBLY	A44/45
PRESSURE SENSOR	10eP	10eP	UNDER THE SEAT LEFT	A42
PRESSURE WARNING SWITCH	1dQ	1dQ	IN LUGGAGE COMPARTMENT	F31
PRESSURE SWITCH AIR CONDITIONING SYSTEM	6bQ	—	IN LUGGAGE COMPARTMENT	E30
TWO-TONE HORN I	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	F80
TWO-TONE HORN II	3cL	3cL	IN WHEEL HOUSING FRONT RIGHT	G80
SEPARATING FILTER FL	9dQ	9dQ	UNDER THE DOOR TRIM PANEL	E87
SEPARATING FILTER FR	9dL	9dL	UNDER THE DOOR TRIM PANEL	H87
CRASH SENSOR RIGHT	4cM	—	IN LUGGAGE COMPARTMENT	G112/113
CRASH SENSOR LEFT	4cP	—	IN LUGGAGE COMPARTMENT	F112/113
BLOWER FINAL STAGE	6bN	6bN	IN LUGGAGE COMPARTMENT	F30
BLOWER ENGINE COMPARTMENT	16cQ	16cQ	ON ENGINE	H30
BLOWER MOTOR RIGHT	6cM	6cM	IN LUGGAGE COMPARTMENT	G30
BLOWER MOTOR LEFT	6cP	6cP	IN LUGGAGE COMPARTMENT	F30
GONG RELAY	6cP	—	BY STEERING COLUMN LEFT	P53/54
HALL SENDER	17cQ	17cQ	ON DISTRIBUTOR	A46
REAR WINDOW WIPER RELAY	15bQ	15bQ	ON REAR WINDOW WIPER MOTOR	E71
HYDRAULIC UNIT ABS	3dP	3dP	IN LUGGAGE COMPARTMENT	C32
V-BELT CONTROL	17dQ	17dQ	ON ENGINE	A55/56
MAP ALTERATION-SWITCH	9eP	9eP	UNDER THE SEAT LEFT	G42
KICK-DOWN SWITCH	6dQ	6dM	BY ACCELERATOR PEDAL UNDER FLOOR PANEL	M122
KNOCK SENSOR 1	15cP	15cP	BY ENGINE LEFT	A47
KNOCK SENSOR 2	16cN	16cN	BY ENGINE TOP	A48
CONDENSER BLOWER	2dQ	2dQ	IN WHEEL HOUSING FRONT LEFT	N21
FUEL PUMP	6eM	6eP	BEHIND THE BASE	J49
CLUTCH SWITCH CRUISE CONTROL	6dP	6dN	BY CLUTCH PEDAL UNDER FLOOR PANEL	P46
LONGITUDINAL ACCELERATION SENDER	7dN	7dN	IN CENTRE CONSOLE	E40
LOCKING DIFFERENTIAL VALVES LONGIT. AND TRANSVERSE	3dM	3dM	IN LUGGAGE COMPARTMENT	E31
IDLE SPEED SWITCH AUTOMATIC TRANSMISSION	15bN	15bN	ON ENGINE	C50
IDLE SPEED POSITIONER	15bN	15bN	ENGINE COMPARTMENT	H41
AIR FLOW SENSOR	16bQ	16bQ	ON ENGINE	A43
MICRO SWITCH ROOF RIGHT	9aN	9aN	AT CONVERTIBLE TOP FRAME	M79
MICRO SWITCH ROOF LEFT	9aQ	9aQ	AT CONVERTIBLE TOP FRAME	L79
MICRO SWITCH REAR SPOILER EXTENDED	16bP	16bP	ON TAILGATE	O79
MICRO SWITCH REAR SPOILER RETRACTED	16bP	16bP	ON TAILGATE	O79
MICRO SWITCH TDC	12cL	12cL	BEHIND SIDE PANEL COVERING	O71
MICROSWITCH FOR TOP CONTROL	12cL	12cL	BEHIND SIDE PANEL COVERING	P71
MOTOR SUN ROOF	12aN	12aN	IN ROOF	G73
MOTOR TOP CONTROL RIGHT	15cN	15cN	BEHIND REAR SEAT	N71
MOTOR TOP CONTROL LEFT	15cQ	15cQ	BEHIND REAR SEAT	M71
MOTOR TOP LOCK RIGHT	9aN	9aN	AT CONVERTIBLE TOP FRAME	K/L79
MOTOR TOP LOCK LEFT	9aQ	9aQ	AT CONVERTIBLE TOP FRAME	J/K79
REAR FOG LIGHT CUTOFF RELAY	17dN	17dN	BEHIND REAR PANEL	A108
NTC HEATER FAN	16cP	16cP	ENGINE COMPARTMENT	G30
OIL PRESSURE SENDER/SWITCH	14cN	14cN	ON ENGINE	A54
OIL COOLER BLOWER	2dL	2dL	IN WHEEL HOUSING FRONT RIGHT	O21
OIL LEVEL GAGE	12cK	12cK	IN WHEEL HOUSING REAR RIGHT	E51/52

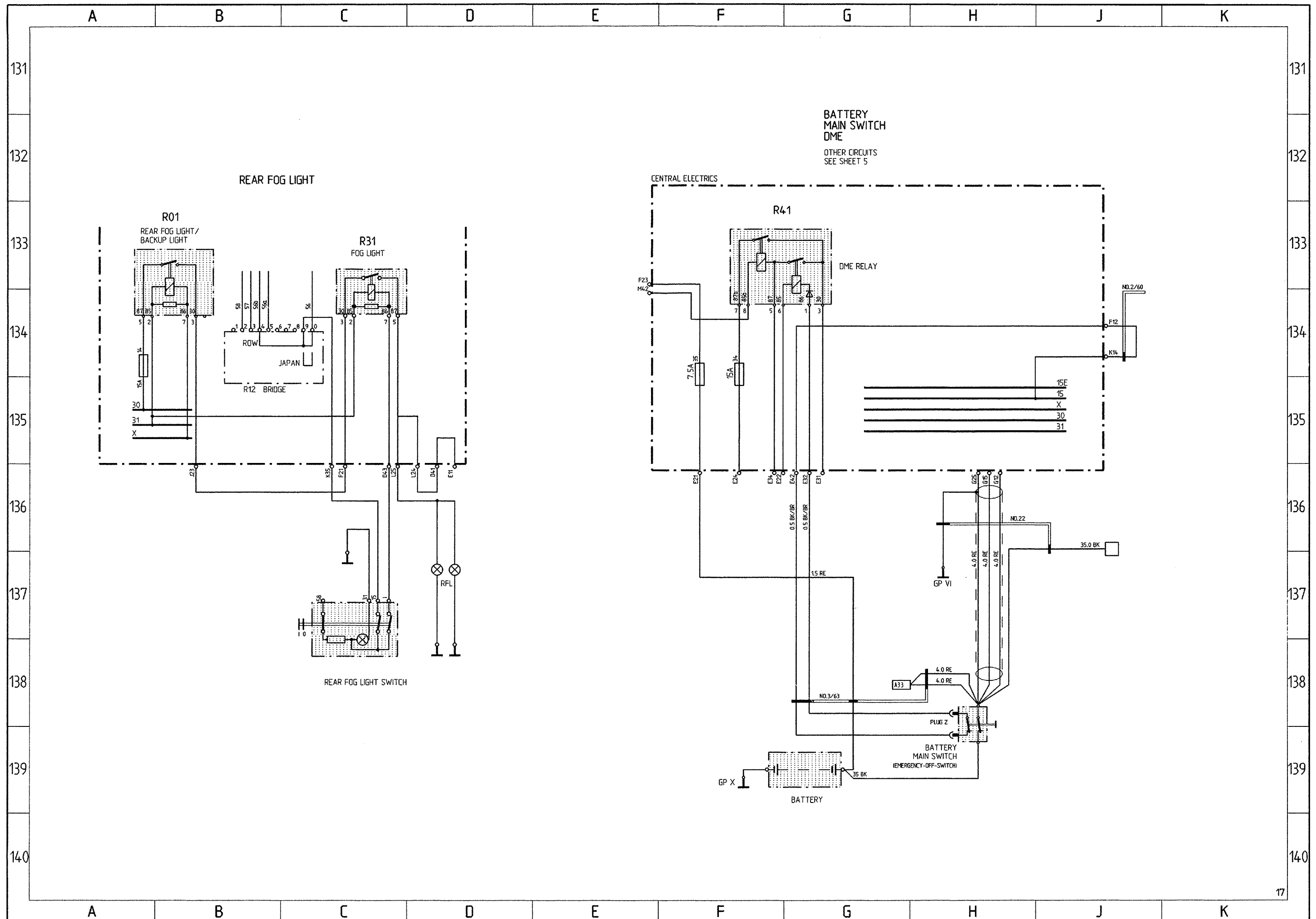
DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
OIL TEMPERATURE SENDER FOR INSTRUMENT	14cN	14cN	ON ENGINE	A53
OIL TEMPERATURE SENDER SENDER FOR OIL COOLER BLOWER	2dL	2dL	IN WHEEL HOUSING FRONT RIGHT	J21
SWITCH LIFTING	12dQ	12dQ	ON GEARBOX	D-F129
BRAKE BOOSTER PUMP	1dQ	1dQ	IN LUGGAGE COMPARTMENT	H39/40
LATERAL ACCELERATION SENDER ABS	7dN	7dN	IN CENTRE CONSOLE	D40
LATERAL ACCELERATION SENDER AUTOMATIC TRANSMISSION	7dN	7dN	IN CENTRE CONSOLE	K129
CONTROL RELAY REAR WINDOW DEFOGGER	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	O/P29/30
RELAY CONDENSER BLOWER	6cM	6cM	CENTRAL ELECTRICS	L21
RELAY AC COMPRESSOR	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	L30
RELAY TWO-TONE HORN	6cM	6cM	CENTRAL ELECTRICS	F78
RELAY POWER WINDOW REGULATOR	6cM	6cM	CENTRAL ELECTRICS	K18/19
RELAY FREQUENCY TRANSFORMER	6cM	6cM	CENTRAL ELECTRICS	K56/H51
RELAY BLOWER ENGINE COMPARTMENT	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	J/K30
RELAY STARTER AUTOMATIC TRANSMISSION	6cM	6cM	CENTRAL ELECTRICS	N50
RELAY BACKUP LIGHT	7bQ	7bQ	IN LUGGAGE COMPARTMENT LEFT	L122
RELAY THERMO SWITCH CATALYTIC CONVERTER	6cM	6cM	CENTRAL ELECTRICS	L/M51
RELAY TERM.X	6cM	6cM	CENTRAL ELECTRICS	K44
RELAY TERM.X E	6cM	6cM	CENTRAL ELECTRICS	K/L44
RELAY REAR FOG LIGHT-BACKUP LIGHT	6cM	6cM	CENTRAL ELECTRICS	J/K7
RELAY FRONT FOG LAMP	6cM	6cM	CENTRAL ELECTRICS	J7
RELAY OIL COOLER BLOWER	6cM	6cM	CENTRAL ELECTRICS	K21
RELAY BRAKE BOOSTER PUMP	6cM	6cM	CENTRAL ELECTRICS	H34/35
RELAY SUN ROOF	6cM	6cM	CENTRAL ELECTRICS	H75
RELAY DAYTIME RUNNING LIGHT CANADA	6cM	6cM	CENTRAL ELECTRICS	D1
BACKUP LIGHT SWITCH	14dN	14dN	BY TRANSMISSION RIGHT	N1
SHIFT VALVE RESONANCE FLAP	15bN	15bN	ON ENGINE	G41
WINDSHIELD WASHING FLUID PUMP	3cQ	3cQ	BY WASHING FLUID RESERVOIR IN WHEEL HOUSING FL	A78
WINDSHIELD WASHING FLUID PUMP RS	4cM	4cQ	IN LUGGAGE COMPARTMENT	A78
FUSES ENGINE COMPARTMENT	16cP	16cP	CARRIER PLATE IN ENGINE COMPARTMENT	L28
HEADLIGHT CLEANER PUMP	3cQ	3cQ	BY WASHING FLUID RESERVOIR IN WHEEL HOUSING FL	A79/80
HEADLIGHT CLEANER RELAY	6cM	6cM	CENTRAL ELECTRICS	E78
STARTER	14dN	14dN	BY CLUTCH HOUSING RIGHT	P49/50
DRIVE CRUISE CONTROL	15cQ	15cQ	ON ENGINE	N43/44
CONTROL UNIT ABS	2dM	2dM	IN LUGGAGE COMPARTMENT	A33-38
CONTROL UNIT AIRBAG	6cQ	—	ON INSTRUMENT PANEL	J114/115
CONTROL UNIT ALARM SYSTEM/CENTRAL LOCKING SYSTEM	9eM	9eM	UNDER THE SEAT RIGHT	J-M12
CONTROL UNIT AUTOMATIC TRANSMISSION	10dP	10dP	UNDER THE SEAT LEFT	C-G122
CONTROL UNIT CONVERTIBLE TOP	6cP	6cP	ON INSTRUMENT PANEL	J/K71
CONTROL UNIT INSTRUMENT LIGHT	7bQ	7bQ	IN LUGGAGE COMPARTMENT LEFT	K1
CONTROL UNIT REAR SPOILER	6cM	6cP	INSIDE FIREWALL RIGHT/LEFT	P74-76
CONTROL UNIT HEATING, AIR CONDITIONING	7cQ	7cN	ON INSTRUMENT PANEL	B-F21
CONTROL UNIT SELECTOR LEVER LOCK	6cM	6cM	CENTRAL ELECTRICS	O/P129/130
CONTROL UNIT CRUISE CONTROL	9eN	9eN	UNDER THE SEAT RIGHT	P43/44
BUZZER CONTACT	7cP	7cM	ON IGNITION LOCK	P56
FUEL LEVEL SENDER	5cM	5cP	IN FUEL TANK	K51
TANK VENTING VALVE	15cN	15cN	BY ENGINE TOP	H41
TEMPERATURE MOTOR	15cP	15cP	BY ENGINE LEFT	A45
VARIANT IDENTIFIKATION SWITCH	9eP	9eP	UNDER THE SEAT LEFT	G43
RESISTOR BLOWER	16dP	16dP	ENGINE COMPARTMENT	J30
RESISTOR FOR BLOWER CONDENSER	2dQ	2dQ	IN WHEEL HOUSING FRONT LEFT	M21
RESISTOR OIL COOLER BLOWER	2dL	2dL	IN WHEEL HOUSING FRONT RIGHT	M21
WARNING BUZZER	7cP	7cP	ON INSTRUMENT PANEL	K60
WIPER INTERMITTENT CONTROL RELAY	6cM	6cM	CENTRAL ELECTRICS	F/G75
CENTRAL ELECTRICS	6cM	6cM	IN LUGGAGE COMPARTMENT	—
CENTRAL INFORMER	6cP	6cP	ON STEERING COLUMN	H32,F/G/H59
IGNITION CONTROL UNIT I	15cP	15cP	IN ENGINE COMPARTMENT LEFT	K41
IGNITION CONTROL UNIT II	15cP	15cP	IN ENGINE COMPARTMENT LEFT	J41
IGNITION COIL I	15cQ	15cQ	IN ENGINE COMPARTMENT LEFT	L41
IGNITION COIL II	15cQ	15cQ	IN ENGINE COMPARTMENT LEFT	K41











Changes to the circuit diagram for the 911 Carrera 2/4, model 92

Sheet 6, M - P 53/54

Wire from gong relay pin 4 to clock 1/14 is deleted

Wire from gong relay pin 5 to clock 1/14 is added.

Please alter the circuit diagram accordingly.

Wiring Diagram

Type 911 Carrera 2 and 4 Model 93

Coordinates

Sheet 1	1 - 10	Lights
Sheet 2	11 - 20	Alarm System, Central Locks, Mirror, Power Window Regulator, Inside Lights
Sheet 3	21 - 30	Heater, AC, Coolant Fan, Rear Window De-fogger
Sheet 4	31 - 40	ABS, Porsche Dynamic AWD Control (Carrera 4)
Sheet 4a	31 - 40	ABS (Carrera 2)
Sheet 4b	31 - 40	ABS Turbo look (Carrera 2)
Sheet 5	41 - 50	Motor, Ignition, Cruise Control
Sheet 6	51 - 60	Instruments, Sensor, Central Informer, On-board computer
Sheet 7	61 - 70	Seats
Sheet 8	71 - 80	Rear Spoiler, Two-Tone Horns, Wipe- and Wash Cleaners, Sun Roof, Convertible Top
Sheet 9	81 - 90	Radio, Telephone
Sheet 10	91 - 100	Fog Light, Rear Fog Light
Sheet 11		Central Electric
Sheet 12		Construction Components
Sheet 13		Plug Connections, Ground Points, M-Numbers, Abbreviations
Sheet 14	101 - 110	Trailer Coupling
Sheet 15	111 - 120	Airbag
Sheet 16	121 - 130	Tiptronic (Carrera 2)
Sheet 17	131 - 140	911 Carrera RS

Wiring Diagram

Type 911 Carrera 2 and 4 Model 93

The wiring diagram consists of *12 individual wiring diagrams*, 1 sheet *construction components* and 1 sheet *plug connections and ground points*. These are divided into coordinate fields.

Each individual wiring diagram contains a part of the central-electrics box in a dashdotted frame.

This part of the central-electrics box shows all the lines and relays necessary for the individual wiring diagram.

The earth/ground points are identified by "GP" and their location is shown in a vehicle diagram.

The 10-pin connectors on the central-electrics box are clipped together out of 3 parts, the 20-pin connectors are clipped together out of 5 parts.

Part 1, with the moduled-on fastening lug, is the "starting element".

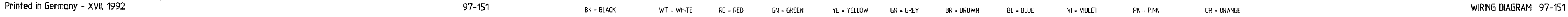
Parts 2,3 and 4 are "module elements".

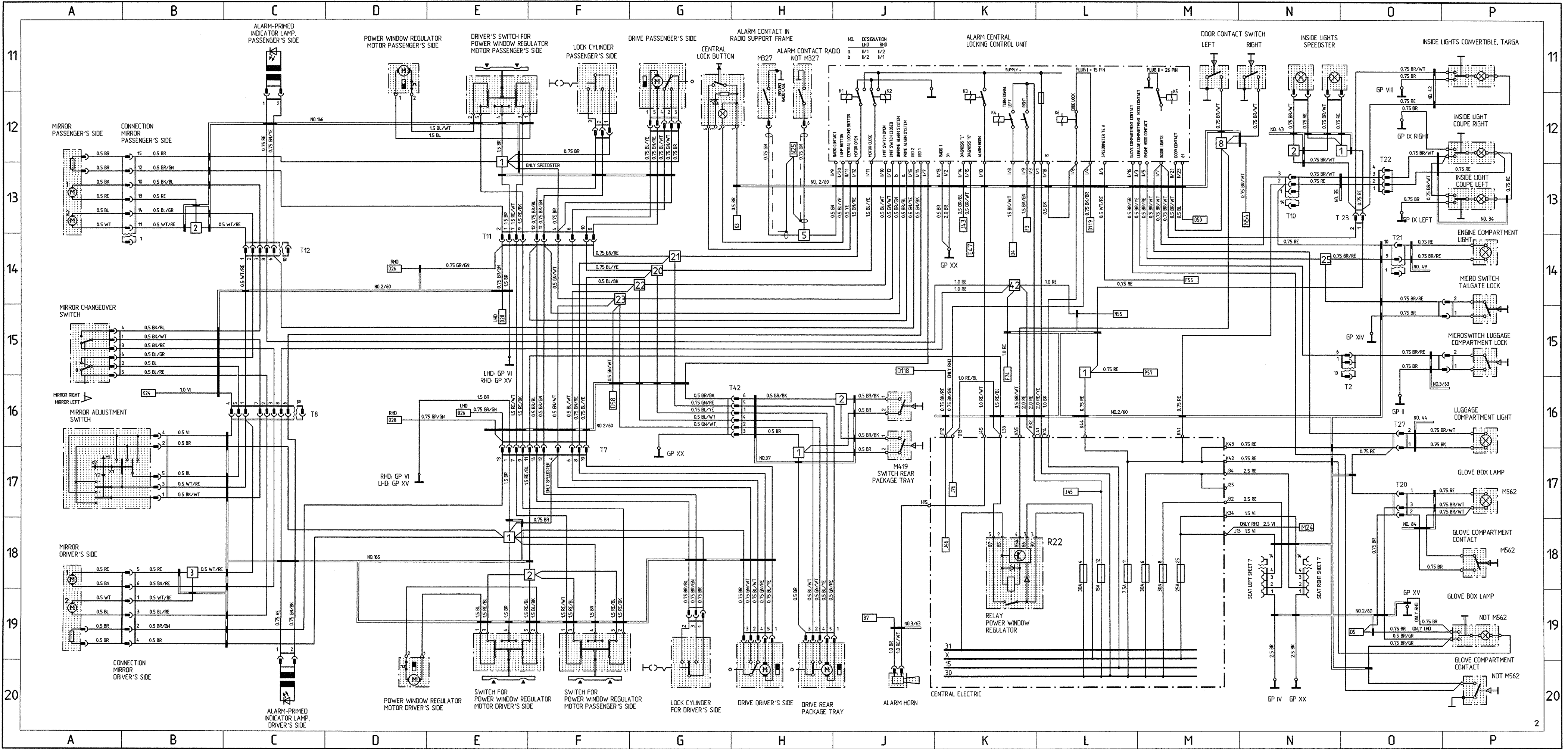
The 10-pin connectors only contents one "module element".

Start- and module elements are identified by the numbers 1.....5.

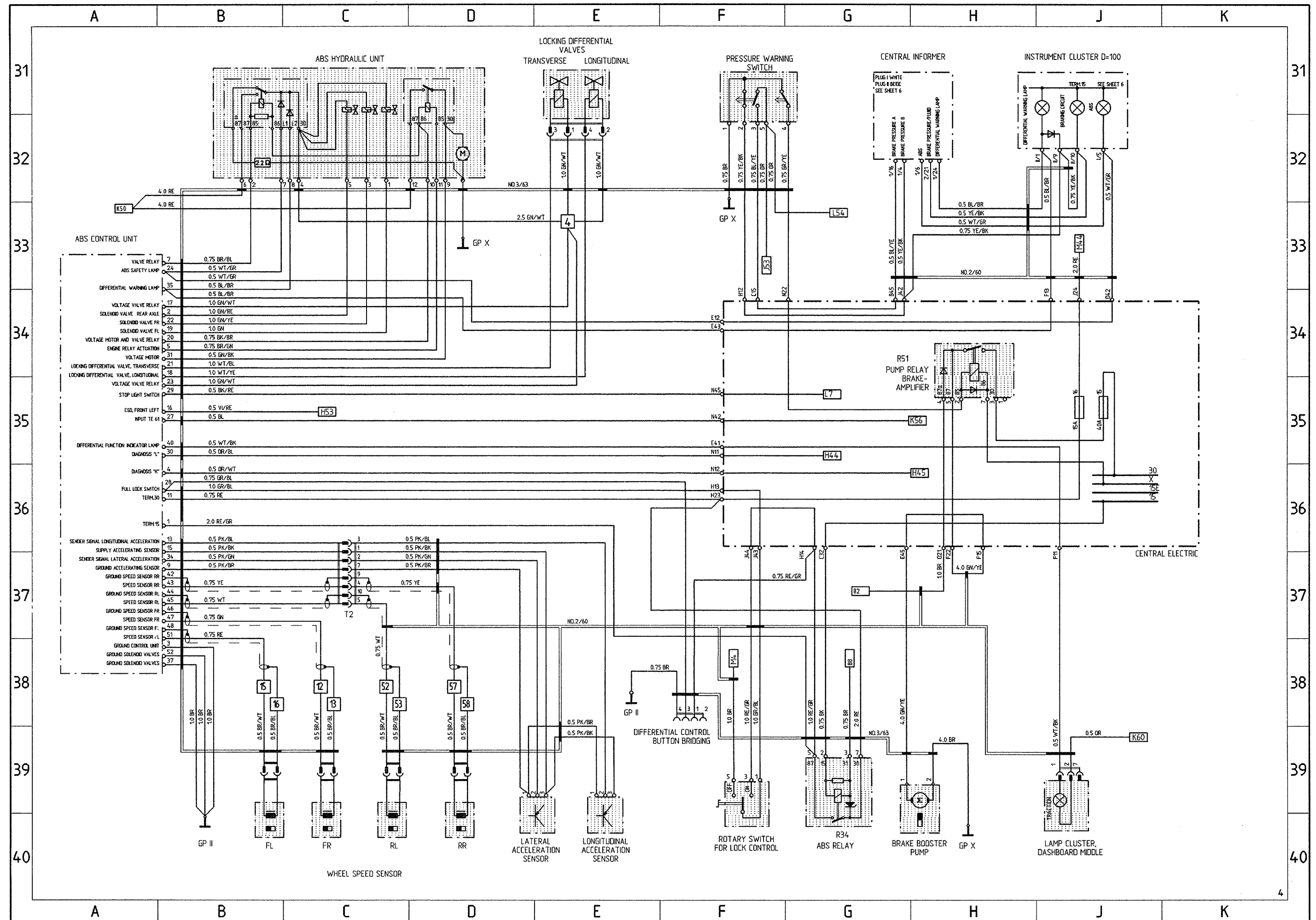
Part 5 ist a "coding element".

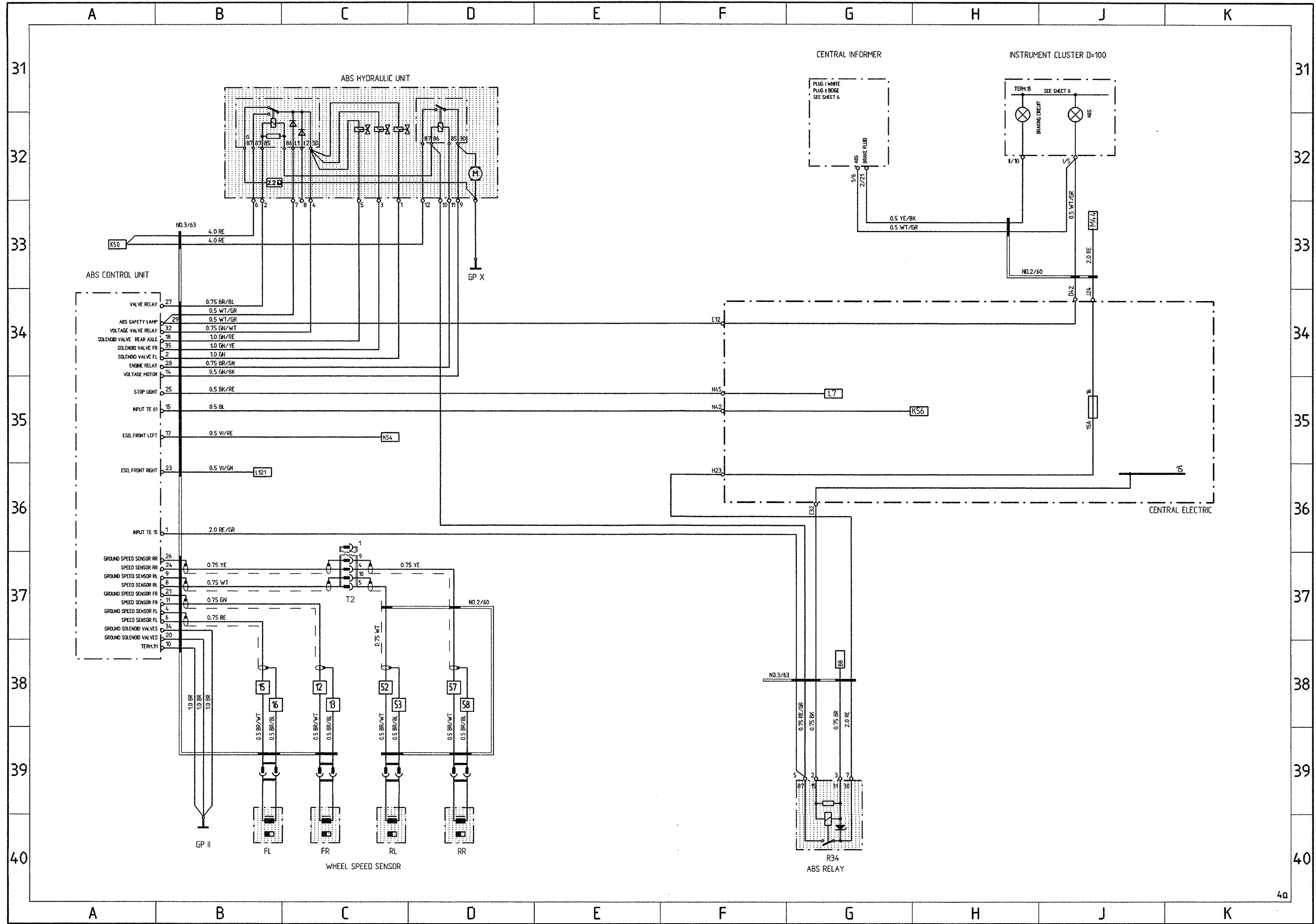
The designations of the plug connections in the wiring diagram refer to the "starting element" from, for example, B 11.....15, and to the first module element from B 21.....25.

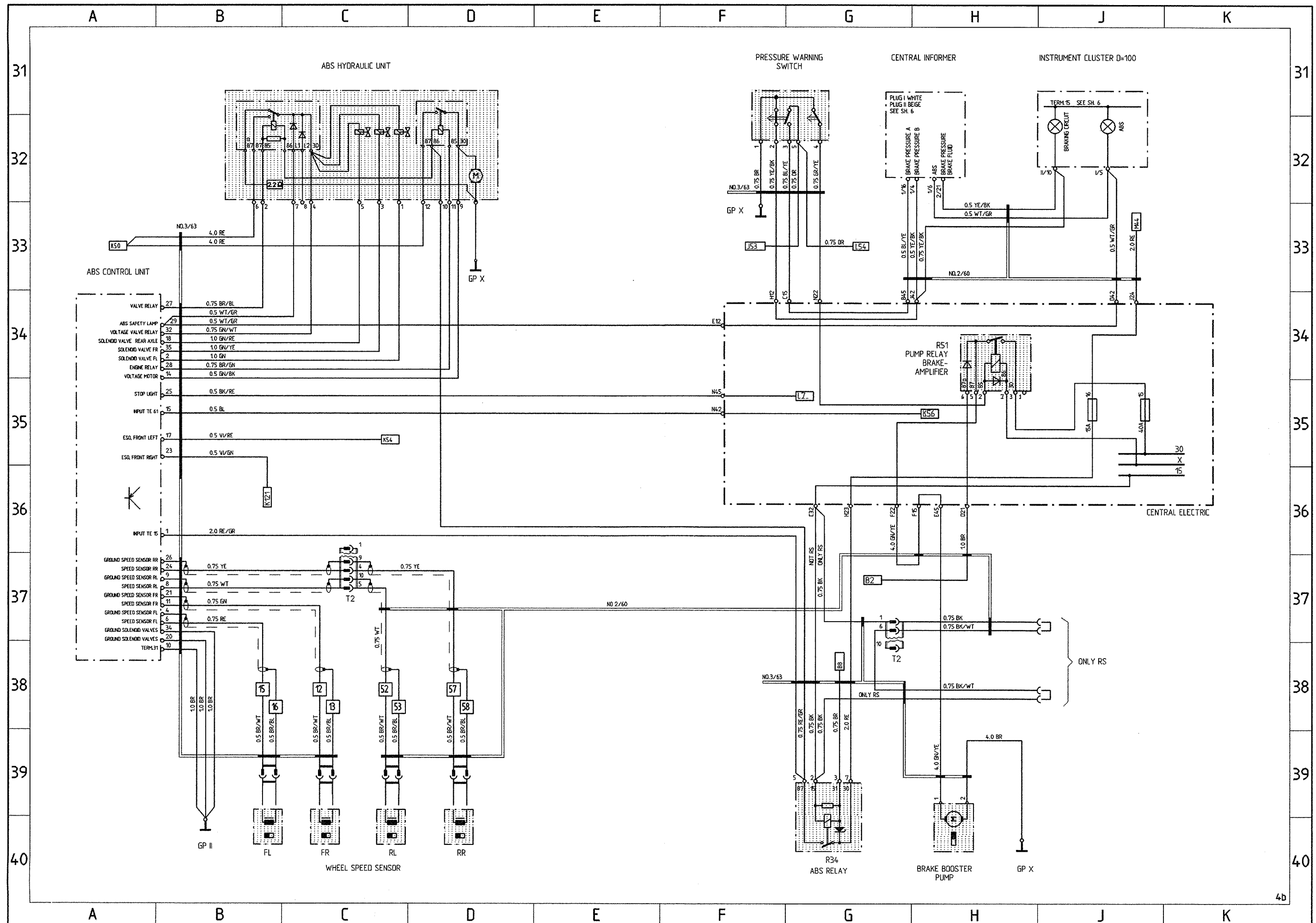




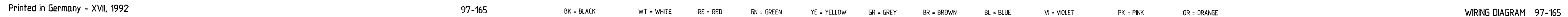


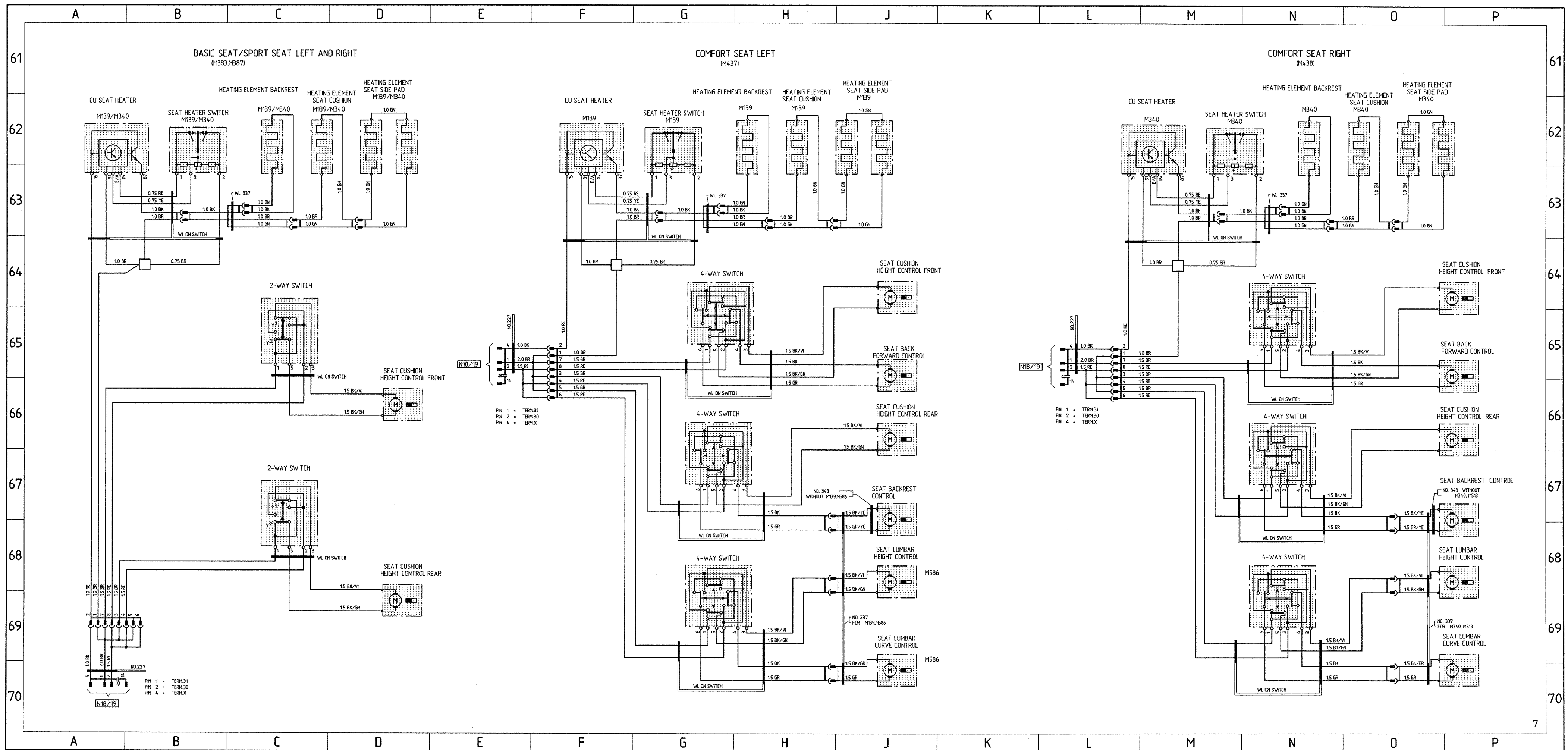


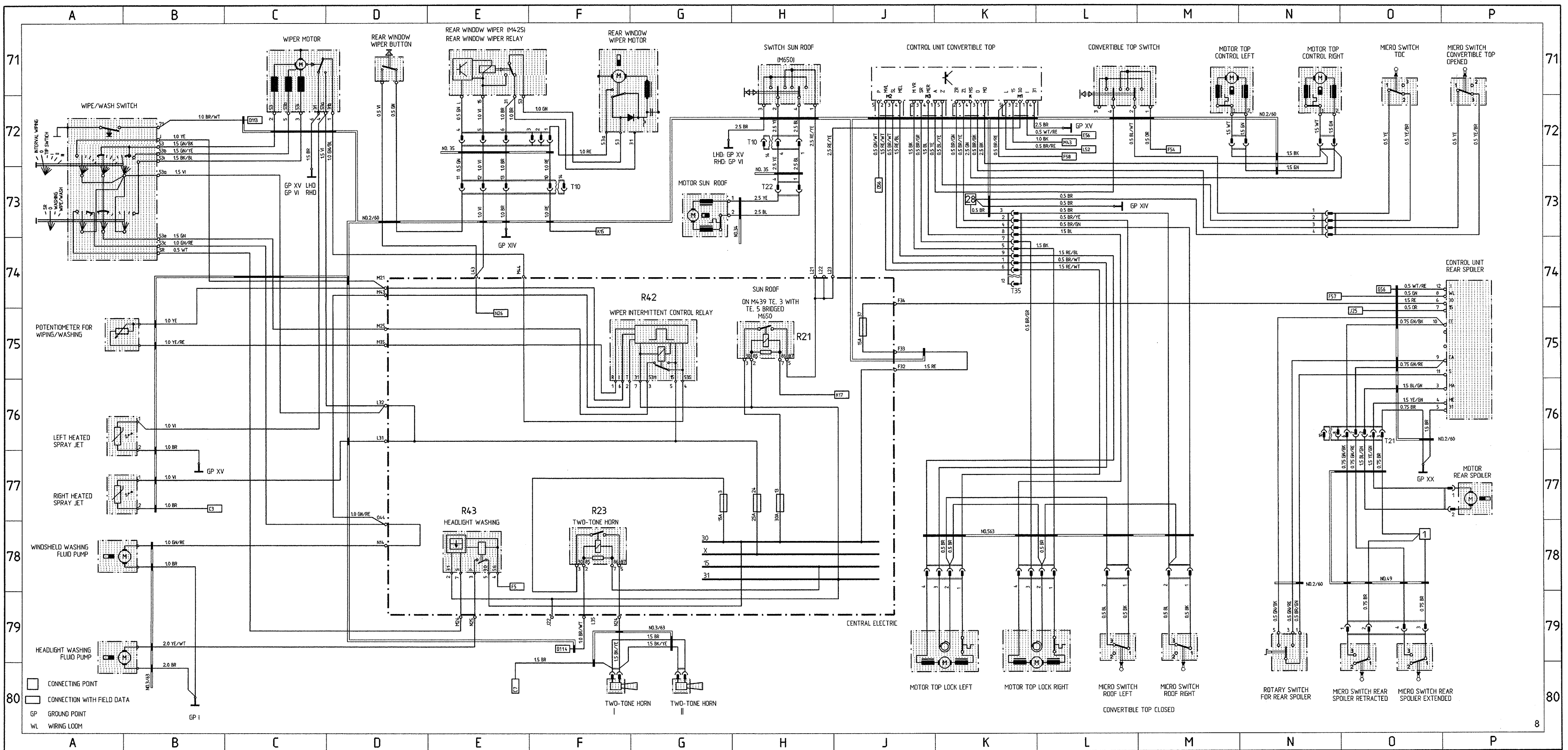


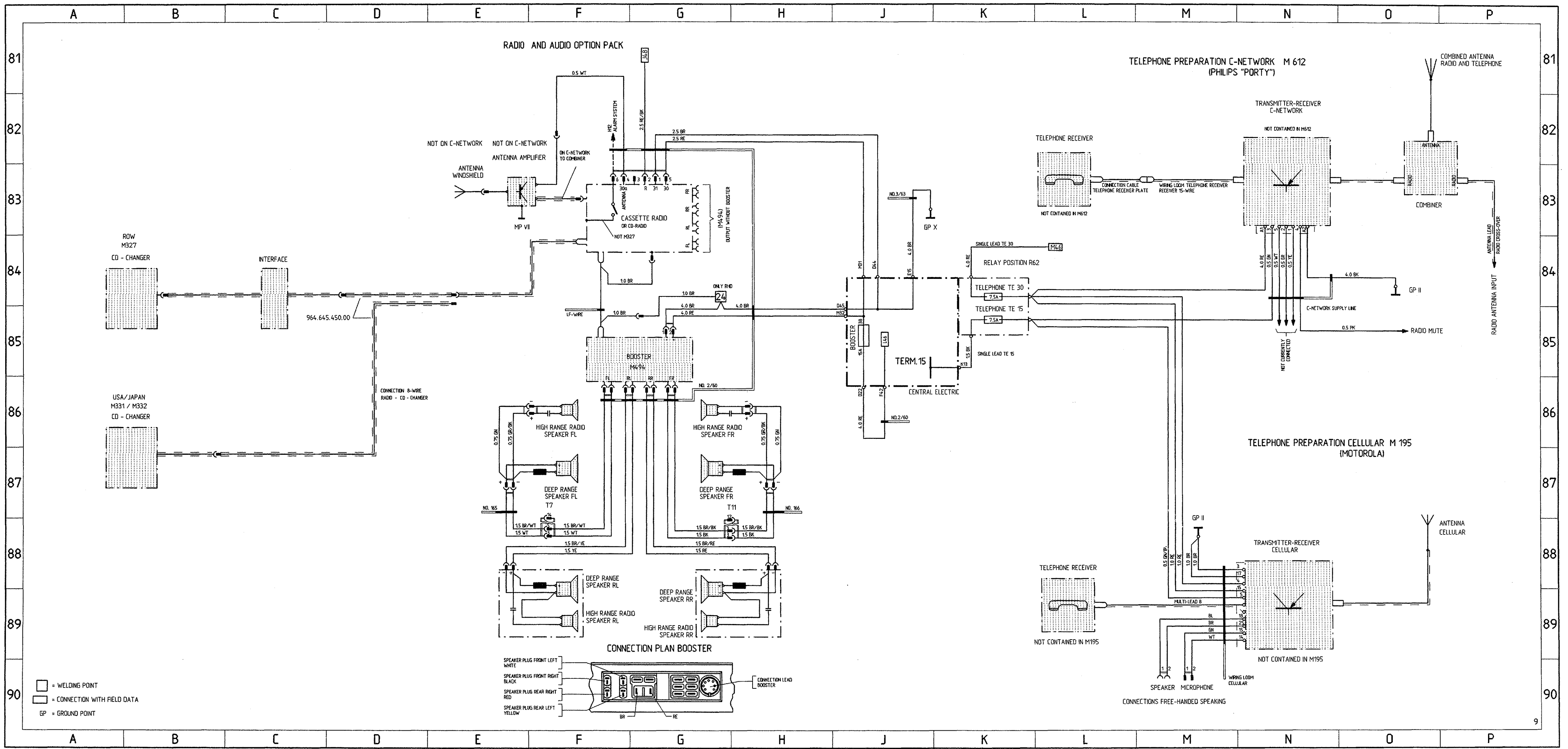












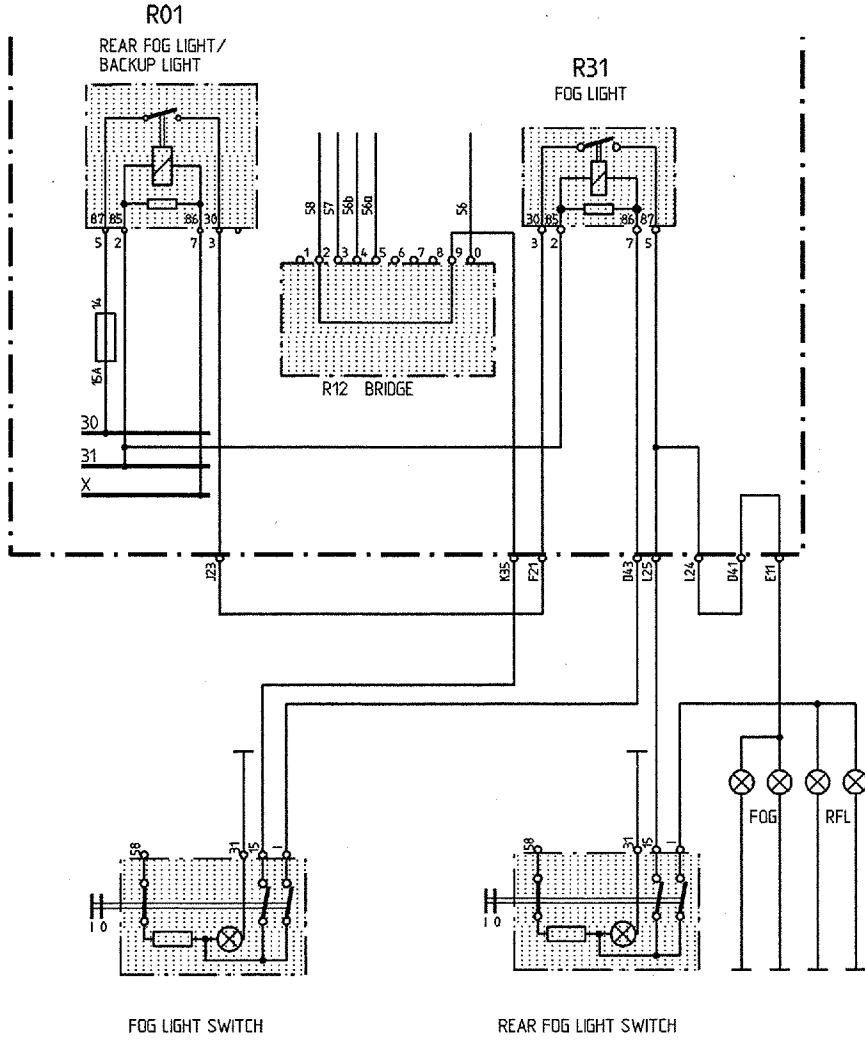
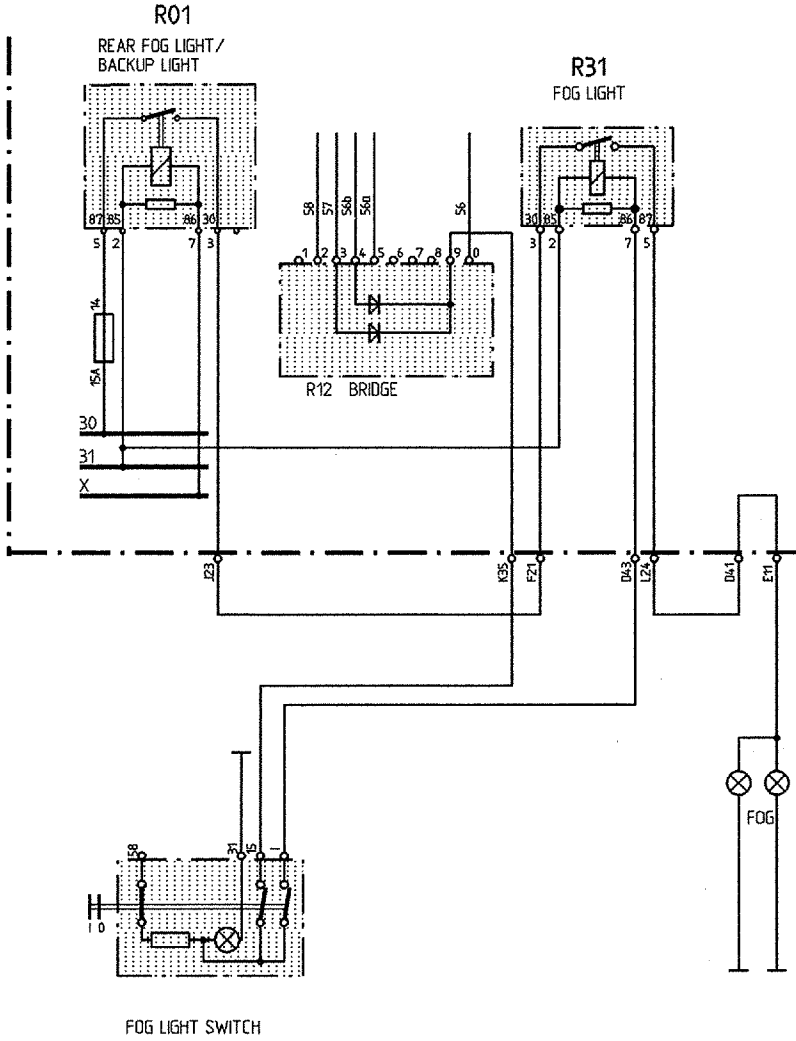
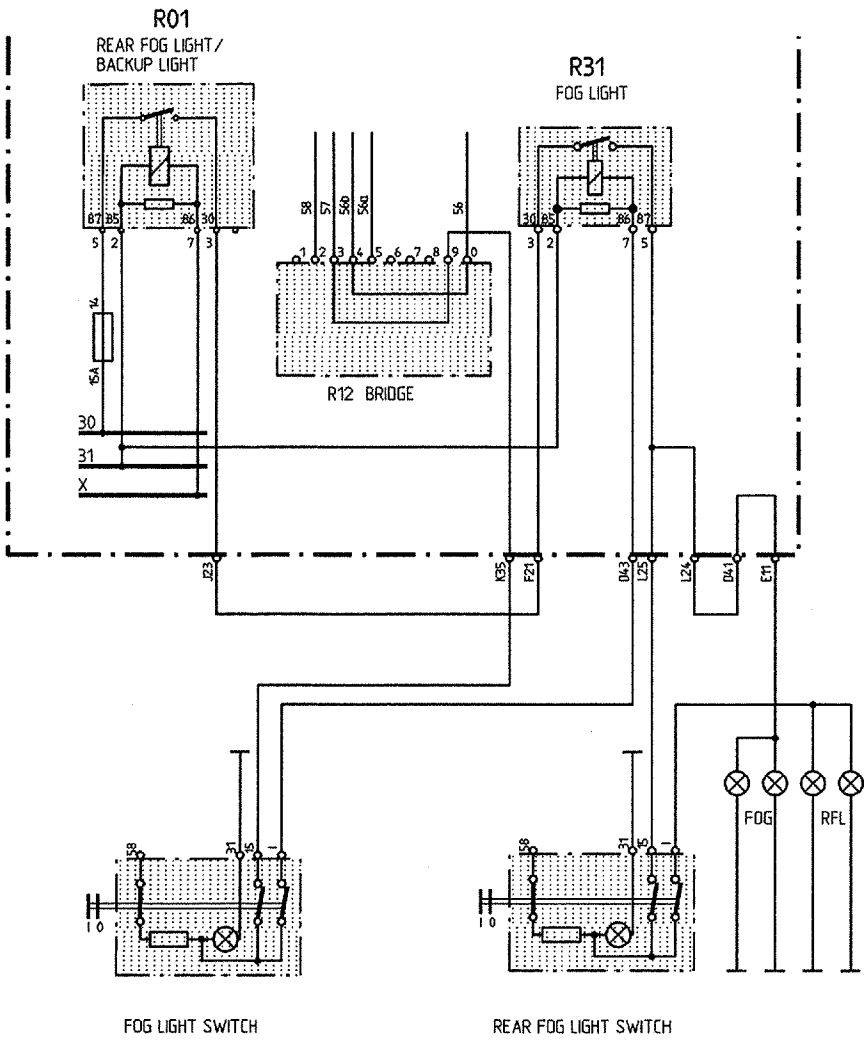
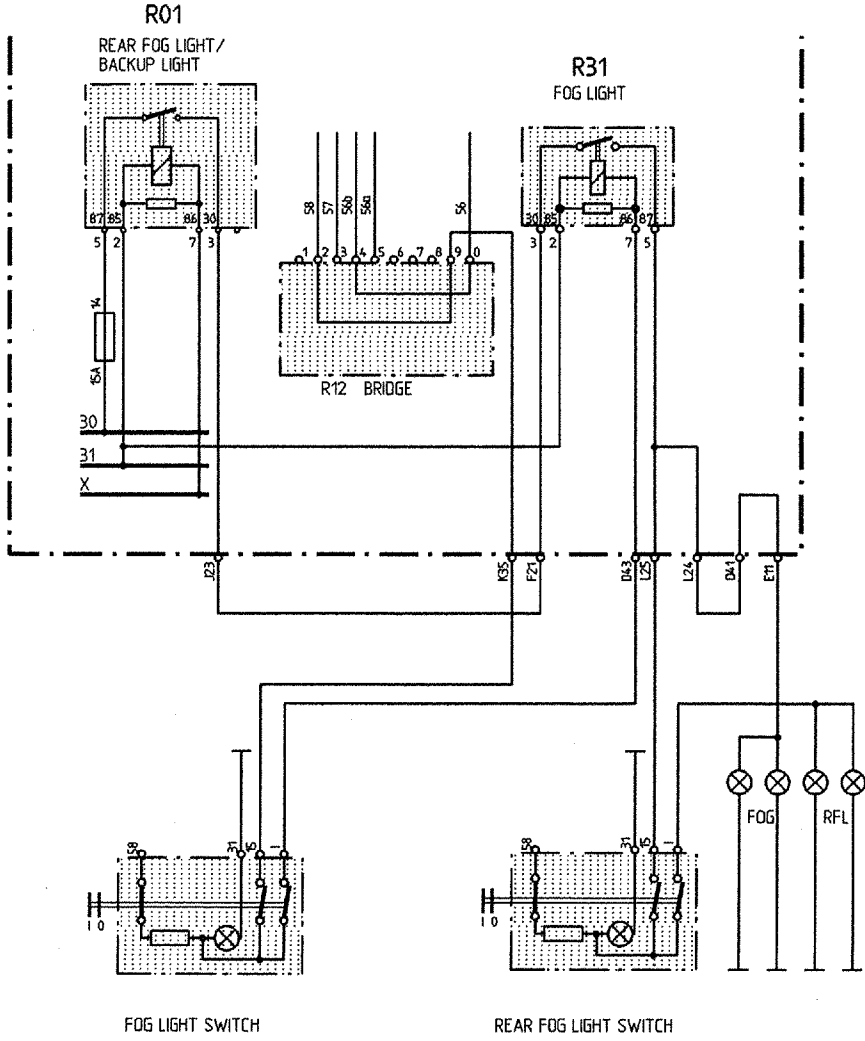
FOG LIGHT- AND REAR FOG LIGHT-WIRINGS

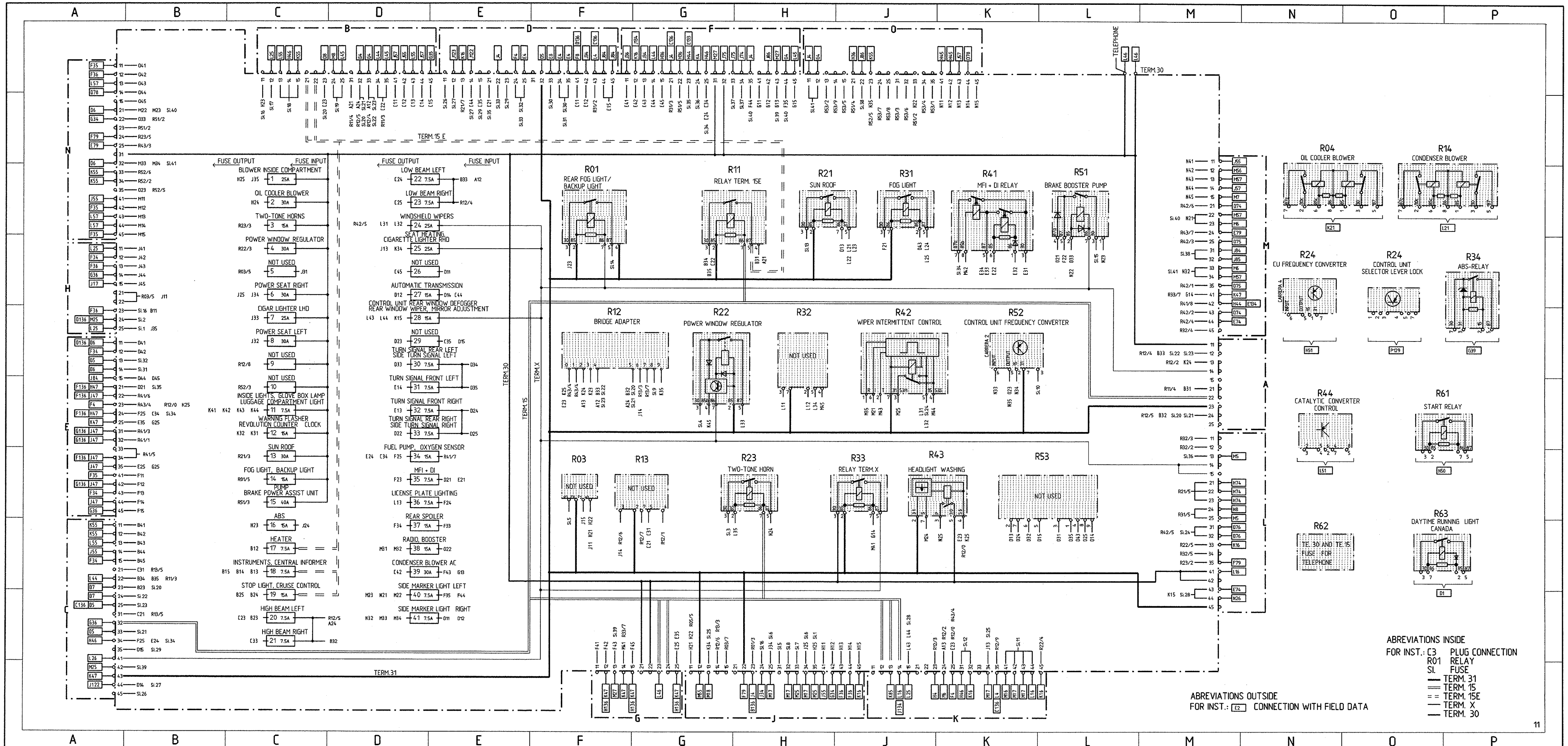
ROW
FOG LIGHT +
REAR FOG LIGHT FROM 58

M487-NORWAY
FOG LIGHT + REAR FOG LIGHT
ONLY WITH 57

M553-USA
FOG LIGHT WITH 56b + 57

M193 JAPAN
FOG LIGHT +
REAR FOG LIGHT FROM 58





DESIGNATION, FUNCTION		POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
		LHD	RHD		
ABS RELAY	6cM	6cM		CENTRAL ELECTRIC	G39/40
AIR FLOW SENSOR	16bD	16bD		ON ENGINE	A43
ALARM HORN	3cL	3cL		IN WHEEL HOUSING FRONT RIGHT	J20
ANTENNA AMPLIFIER	7bL	7bD		IN LUGGAGE COMPARTMENT	E/F83
BACKUP LIGHT SWITCH	14dN	14dN		BY TRANSMISSION RIGHT	N1
BATTERY MAIN SWITCH RS	2dN	2dN		IN LUGGAGE COMPARTMENT	H138/139
BLOWER ENGINE COMPARTMENT	16cD	16cD		ON ENGINE	H30
BLOWER FINAL STAGE	6bN	6bN		IN LUGGAGE COMPARTMENT	F30
BLOWER MOTOR LEFT	6cP	6cP		IN LUGGAGE COMPARTMENT	F30
BLOWER MOTOR RIGHT	6cM	6cM		IN LUGGAGE COMPARTMENT	G30
BOOSTER	9eM	9eM		UNDER THE SEAT RIGHT	F/G85
BRAKE BOOSTER PUMP	1dD	1dD		IN LUGGAGE COMPARTMENT	H39/40
BUZZER CONTACT	7cP	7cM		ON IGNITION LOCK	P56
CENTRAL ELECTRIC	6cM	6cM		IN LUGGAGE COMPARTMENT	---
CENTRAL INFORMER	6cP	6cP		ON STEERING COLUMN	H32,F/G/H59
CLUTCH SWITCH CRUISE CONTROL	6dP	6dN		BY CLUTCH PEDAL UNDER FLOOR PANEL	P46
CONDENSER BLOWER	2dD	2dD		IN WHEEL HOUSING FRONT LEFT	N21
CONTROL RELAY REAR WINDOW DEFOGGER	16cP	16cP		CARRIER PLATE IN ENGINE COMPARTMENT	D/P29/30
CONTROL UNIT ABS	2dM	2dM		IN LUGGAGE COMPARTMENT	A33-38
CONTROL UNIT AIRBAG	6cD	6cD		ON INSTRUMENT PANEL	J114/115
CONTROL UNIT ALARM SYSTEM/CENTRAL LOCKING SYSTEM	9eM	9eM		UNDER THE SEAT RIGHT	J-M12
CONTROL UNIT AUTOMATIC TRANSMISSION	10dP	10dP		UNDER THE SEAT LEFT	C-G122
CONTROL UNIT CONVERTIBLE TOP	6cP	6cP		ON INSTRUMENT PANEL	J/K71
CONTROL UNIT CRUISE CONTROL	9eN	9eN		UNDER THE SEAT RIGHT	P43/44
CONTROL UNIT INSTRUMENT LIGHT	7bD	7bD		IN LUGGAGE COMPARTMENT LEFT	K1
CONTROL UNIT HEATING, AIR CONDITIONING	7cD	7cN		ON INSTRUMENT PANEL	B-F21
CONTROL UNIT REAR SPOILER	6cM	6cP		INSIDE FIREWALL RIGHT/LEFT	P74-76
CONTROL UNIT SELECTOR LEVER LOCK	6cM	6cM		CENTRAL ELECTRIC	D/P129/130
CRASH SENSOR LEFT	4cP	4cP		IN LUGGAGE COMPARTMENT	F112/113
CRASH SENSOR RIGHT	4cM	4cM		IN LUGGAGE COMPARTMENT	G112/113
DIAGNOSIS CONNECTION	7cL	7cD		IN PASSENGER'S FOOTWELL	G/H50
DRIVE CRUISE CONTROL	15cD	15cD		ON ENGINE	N43/44
ENGINE SPEED SENSOR	15cP	15cP		BY ENGINE LEFT	A46/47
FLASHER	7dN	7dN		IN CENTRE CONSOLE	D1
FUEL LEVEL SENSOR	5cM	5cP		IN FUEL TANK	K51
FUEL PUMP	6eM	6eP		BEHIND THE BASE	J49
FUSES ENGINE COMPARTMENT	16cP	16cP		CARRIER PLATE IN ENGINE COMPARTMENT	L28
GONG RELAY	6cP	---		BY STEERING COLUMN LEFT	P53/54
HALL SENSOR	17cD	17cD		ON DISTRIBUTOR	A46
HEADLIGHT CLEANER PUMP	3cQ	3cQ		BY WASHING FLUID RESERVOIR IN WHEEL HOUSING FL	A79/80
HEADLIGHT CLEANER RELAY	6cM	6cM		CENTRAL ELECTRIC	E78
HYDRAULIC UNIT ABS	3dP	3dP		IN LUGGAGE COMPARTMENT	C32
IDLE SPEED POSITIONER	15bN	15bN		IN ENGINE COMPARTMENT	H41
IDLE SPEED SWITCH AUTOMATIC TRANSMISSION	15bN	15bN		ON ENGINE	C50
IGNITION COIL I	15cD	15cD		IN ENGINE COMPARTMENT LEFT	L41
IGNITION COIL II	15cQ	15cQ		IN ENGINE COMPARTMENT LEFT	K41
IGNITION CONTROL UNIT I	15cP	15cP		IN ENGINE COMPARTMENT LEFT	K41
IGNITION CONTROL UNIT II	15cP	15cP		IN ENGINE COMPARTMENT LEFT	J41
KICK-DOWN SWITCH	6dD	6dM		BY ACCELERATOR PEDAL UNDER FLOOR PANEL	M122
KNOCK SENSOR 1	15cP	15cP		BY ENGINE LEFT	A47
KNOCK SENSOR 2	16cN	16cN		BY ENGINE TOP	A48
LATERAL ACCELERATION SENSOR ABS	7dN	7dN		IN CENTRE CONSOLE	D/E40
LATERAL ACCELERATION SENSOR AUTOMAT	7dN	7dN		IN CENTRE CONSOLE	K129
LOCKING DIFFERENTIAL VALVES LONGIT. AND TRANSVERSE	3dM	3dM		IN LUGGAGE COMPARTMENT	E31
LONGITUDINAL ACCELERATION SENSOR	7dN	7dN		IN CENTRE CONSOLE	E40
MFI + DI CONTROL UNIT	9eP	9eP		UNDER THE SEAT LEFT	B-F41
MFI + DI RELAY	6cM	6cM		CENTRAL ELECTRIC	J44
MICRO SWITCH FOR TOP CONTROL	12cL	12cL		BEHIND SIDE PANEL COVERING	P71

DESIGNATION, FUNCTION		POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
		LHD	RHD		
MICRO SWITCH REAR SPOILER EXTENDED	16bP	16bP		ON TAILGATE	D79
MICRO SWITCH REAR SPOILER RETRACTED	16bP	16bP		ON TAILGATE	D79
MICRO SWITCH ROOF LEFT	9aD	9aD		AT CONVERTIBLE TOP FRAME	L79
MICRO SWITCH ROOF RIGHT	9aN	9aN		AT CONVERTIBLE TOP FRAME	M79
MICRO SWITCH TDC	12cL	12cL		BEHIND SIDE PANEL COVERING	D71
MOTOR TOP CONTROL LEFT	15cD	15cD		BEHIND REAR SEAT	M/N71
MOTOR TOP CONTROL RIGHT	15cN	15cN		BEHIND REAR SEAT	N71
MOTOR TOP LOCK LEFT	9aD	9aD		AT CONVERTIBLE TOP FRAME	J/K79
MOTOR TOP LOCK RIGHT	9aN	9aN		AT CONVERTIBLE TOP FRAME	K/L79
MOTOR SUN ROOF	12aN	12aN		IN ROOF	E73
NTC HEATER FAN	16cP	16cP		IN ENGINE COMPARTMENT	G30
OIL COOLER BLOWER	2dL	2dL		IN WHEEL HOUSING FRONT RIGHT	D21
OIL LEVEL GAGE	12cK	12cK		IN WHEEL HOUSING REAR RIGHT	E51/52
OIL PRESSURE SENSOR/SWITCH	14cN	14cN		ON ENGINE	A54
OIL TEMPERATURE SENSOR COOLING FAN	2dL	2dL		IN WHEEL HOUSING FRONT RIGHT	J21
OIL TEMPERATURE SENSOR FOR INSTRUMENT	14cN	14cN		ON ENGINE	A53
OUTSIDE TEMP. SENSOR	8bK	8bR		IN OUTSIDE MIRROR	A60
PRESSURE SENSOR	10eP	10eP		UNDER THE SEAT LEFT	A42
PRESSURE SWITCH AIR CONDITIONING SYSTEM	6bD	6bD		IN LUGGAGE COMPARTMENT	D/E30
PRESSURE WARNING SWITCH	1dD	1dD		IN LUGGAGE COMPARTMENT	F/G31/32
REAR FOG LIGHT CUTOFF RELAY	17dN	17dN		BEHIND REAR PANEL	H108
REAR WINDOW WIPER RELAY	15bD	15bD		ON REAR WINDOW WIPER MOTOR	E71
RELAY AC COMPRESSOR	16cP	16cP		CARRIER PLATE IN ENGINE COMPARTMENT	L30
RELAY BACKUP LIGHT	7bD	7bD		IN LUGGAGE COMPARTMENT LEFT	L122
RELAY BLOWER ENGINE COMPARTMENT	16cP	16cP		CARRIER PLATE IN ENGINE COMPARTMENT	J/K30
RELAY BRAKE BOOSTER PUMP	6cM	6cM		CENTRAL ELECTRIC	H34/35
RELAY CONDENSER BLOWER	6cM	6cM		CENTRAL ELECTRIC	L21
RELAY FREQUENCY TRANSFORMER	6cM	6cM		CENTRAL ELECTRIC	K56/H51
RELAY FRONT FOG LAMP	6cM	6cM		CENTRAL ELECTRIC	J7
RELAY DAYTIME RUNNING LIGHT CANADA	6cM	6cM		CENTRAL ELECTRIC	D1
RELAY OIL COOLER BLOWER	6cM	6cM		CENTRAL ELECTRIC	K21
RELAY POWER WINDOW REGULATOR	6cM	6cM		CENTRAL ELECTRIC	K18/19
RELAY REAR FOG LIGHT- BACKUP LIGHT	6cM	6cM		CENTRAL ELECTRIC	J/K7
RELAY STARTER AUTOMATIC TRANSMISSION	6cM	6cM		CENTRAL ELECTRIC	N50
RELAY SUN ROOF	6cM	6cM		CENTRAL ELECTRIC	H75
RELAY TERM.X	6cM	6cM		CENTRAL ELECTRIC	K44
RELAY TERM.5 E	6cM	6cM		CENTRAL ELECTRIC	K/L44
RELAY THERMO SWITCH CATALYTIC CONVERTER	6cM	6cM		CENTRAL ELECTRIC	L/M51
RELAY TWO-TONE HORN	6cM	6cM		CENTRAL ELECTRIC	F78
RESISTOR BLOWER	16dP	16dP		IN ENGINE COMPARTMENT	J30
RESISTOR FOR BLOWER CONDENSER	2dQ	2dQ		IN WHEEL HOUSING FRONT LEFT	M21
RESISTOR OIL COOLER BLOWER	2dL	2dL		IN WHEEL HOUSING FRONT RIGHT	M21
SHIFT VALVE RESONANCE FLAP	15bN	15bN		ON ENGINE	G41
STARTER	14dN	14dN		BY CLUTCH HOUSING RIGHT	P49/50
STOP LIGHT SWITCH	6dP	6dM		AT THE BRAKE PEDAL BELOW THE FLOOR PANEL	N9
SWITCH LIFTING	12dD	12dD		ON GEARBOX	D-F129
TANK VENTING VALVE	15cN	15cN		BY ENGINE TOP	H41
TEMPERATURE MOTOR	15cP	15cP		BY ENGINE LEFT	A45
THROTTLE VALVE POTENTIOMETER, AUTOM. TRANSMISSION	15bN	15bN		ON THROTTLE VALVE ASSEMBLY	C50
THROTTLE VALVE SWITCH, MANUAL TRANSMISSION	15bN	15bN		ON THROTTLE VALVE ASSEMBLY	A44/45
TWO-TONE HORN I	3cL	3cL		IN WHEEL HOUSING FRONT RIGHT	F80
TWO-TONE HORN II	3cL	3cL		IN WHEEL HOUSING FRONT RIGHT	G80
VARIANT IDENTIFKATION SWITCH	9eP	9eP		UNDER THE SEAT LEFT	G43
V-BELT CONTROL	17dD	17dD		ON ENGINE	A55/56
WARNING BUZZER	7cP	7cP		ON INSTRUMENT PANEL	K60
WINDSHIELD WASHING FLUID PUMP	3cQ	3cQ		BY WASHING FLUID RESERVOIR IN WHEEL HOUSING FL	A78
WINDSHIELD WASHING FLUID PUMP RS	4cM	4cD		IN LUGGAGE COMPARTMENT	A78
WIPER INTERMITTENT CONTROL RELAY	6cM	6cM		CENTRAL ELECTRIC	F/G75

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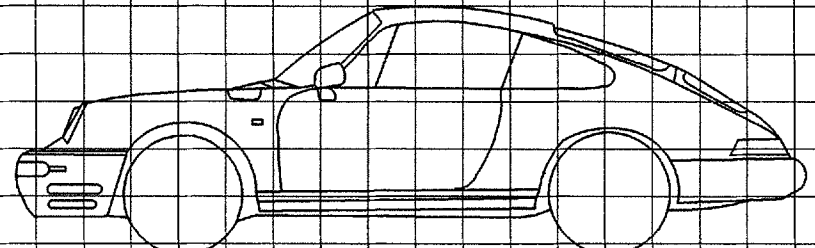
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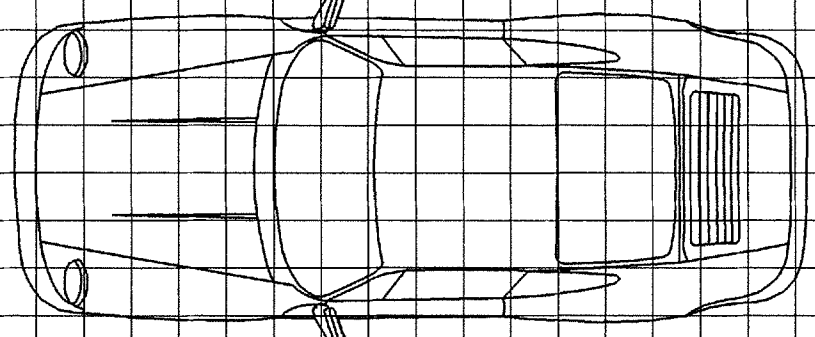
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