

# Workshop Manual

944

DR. ING. h. c. F. PORSCHE Aktiengesellschaft

# List of Repair Groups 944

General	Technical Data	Page 0.1
Repair Groups		Group
	Maintenance, Self-diagnosis	03
<b>Engine</b>	Engine, Crankcase	10
	Engine, Crankshaft, Pistons	13
	Engine, Cylinder Head and Valve Drive	15
	Engine, Lubrication	17
	Engine, Cooling	19
	Fuel Supply	20
	Air Flow Controlled Fuel Injection	24
	Exhaust System/Emission Controls	26
	Starter, Power Supply, Cruise Control	27
	Ignition System	28
	DME Diagnosis	
<b>Transmission</b>	Clutch, Controls	30
	Torque Converter	32
	Manual Transmission, Controls, Case	34
	Manual Transmission, Gears, Shafts	35
	Automatic Transmission, Controls, Case	37
	Automatic Transmission, Gears, Valve Body	38
	Differential, Transaxle System	39
<b>Chassis</b>	Front Wheel Suspension	40
	Rear Wheel Suspension, Axle Shaft	42
	Wheels, Tires, Alignment	44
	Antiblock System	45
	Brakes, Mechanical	46
	Brakes, Hydraulics, Regulator, Booster	47
	Steering	48
<b>Body</b>	Body-Front Section	50
	Body-Center Section	51
	Body-Rear Section	53
	Lids	55
	Doors	57
	Hardtop	61
	Bumpers	63
	Glasses, Window Control	64
	Exterior Equipment	66
	Interior Equipment	68
	Seats	72
	Seat Covers	74
	Airbag Diagnosis	
<b>Heating, Ventilation, Air Condition</b>	Heater	80
	Ventilation	85
	Air Conditioner	87
<b>Electrics</b>	Instruments, Fuel Gauge, Alarm System	90
	Radio, Telephone	91
	Windshield Wipers and Washer	92
	Exterior Lights, Lamps, Switches	94
	Interior Lights	96
	Wiring	97

---

	Page
<b>Wiring</b>	
Circuit diagram - Type 944, 944 turbo, 944 S, Model 88 . . . . .	97 - 127
Circuit diagram - Type 944, 944 turbo, 944 S, Model 89 . . . . .	97 - 159
Circuit diagram - Type 944 turbo, 944 S2, Model 90 . . . . .	97 - 201
Circuit diagram - Type 944, Model 91 . . . . .	97 - 235
Circuit diagram - for 944 Turbo Cabriolet (Note) . . . . .	97 - 267
Circuit diagram - Type 924 S, Model 88 . . . . .	97 - 535

# Wiring Diagram Type 944, 944 turbo 944 S Model 88

## COORDINATES

<b>PAGE 1</b>	1 - 10	LIGHTS ROW/OPT. EQUIPM.
<b>PAGE 2</b>	1 - 10	LIGHTS USA
<b>PAGE 3</b>	11 - 20	INSTRUMENT CLUSTER AND SENDER ROW
<b>PAGE 4</b>	11 - 20	INSTRUMENT CLUSTER AND SENDER USA OPT. EQUIPM.
<b>PAGE 5</b>	21 - 30	HEATING, AIRCONDITIONING, VENTILATING
<b>PAGE 6</b>	31 - 40	TWO-TONE HORNS, MIRRORS, ALARM SYSTEM
<b>PAGE 7</b>	41 - 50	ENGINE COMPARTMENT, CRUISE CONTROL - 944
<b>PAGE 8</b>	41 - 50	ENGINE COMPARTMENT, CRUISE CONTROL - 944 TURBO
<b>PAGE 9</b>	41 - 50	ENGINE COMPARTMENT, CRUISE CONTROL 4-VALVE ENGINE
<b>PAGE 10</b>	51 - 60	CENTRAL ELECTRIC
<b>PAGE 11</b>	61 - 70	CENTRAL LOCKS
<b>PAGE 12</b>	71 - 80	FOG LIGHT, REAR FOG LIGHT
<b>PAGE 13</b>	81 - 90	RADIO
<b>PAGE 14</b>	91 - 100	ABS, AIRBAG
<b>PAGE 15</b>		CONSTR. COMPONENTS, PLUG CONNECTION, GROUND POINTS

# Wiring Diagram Type 944, 944 turbo 944 S Model 88

The wiring diagram consists of 15 individual wiring diagrams. These are divided into coordinate fields.

Each individual wiring diagram contains a part of the central-electrics box in a dash-dotted 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 20-pin connectors on the central-electrics box are clipped together out of 5 parts.

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

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

Parts 1 to 4 are identified by the numbers 1 . . . . . 5.

Part 5 is a "coding element".

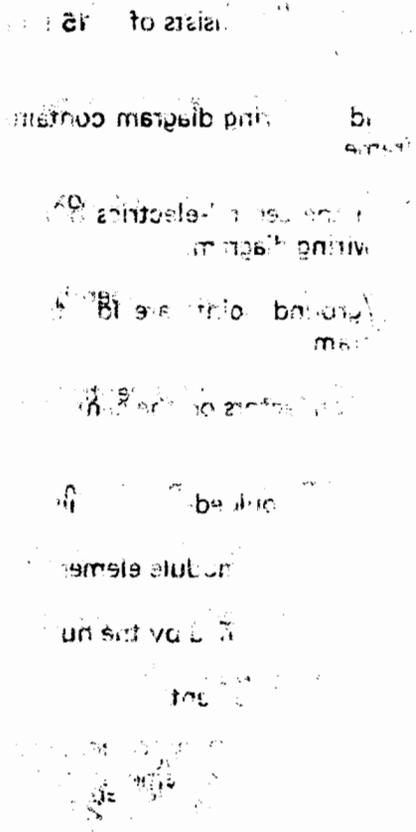
The designations of the plug connections in the wiring diagram of the central-electrics box refer to the "starting element" from, for example, B 11 . . . . . 15, and to the first module element from B 21 . . . . . 25.

# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 1

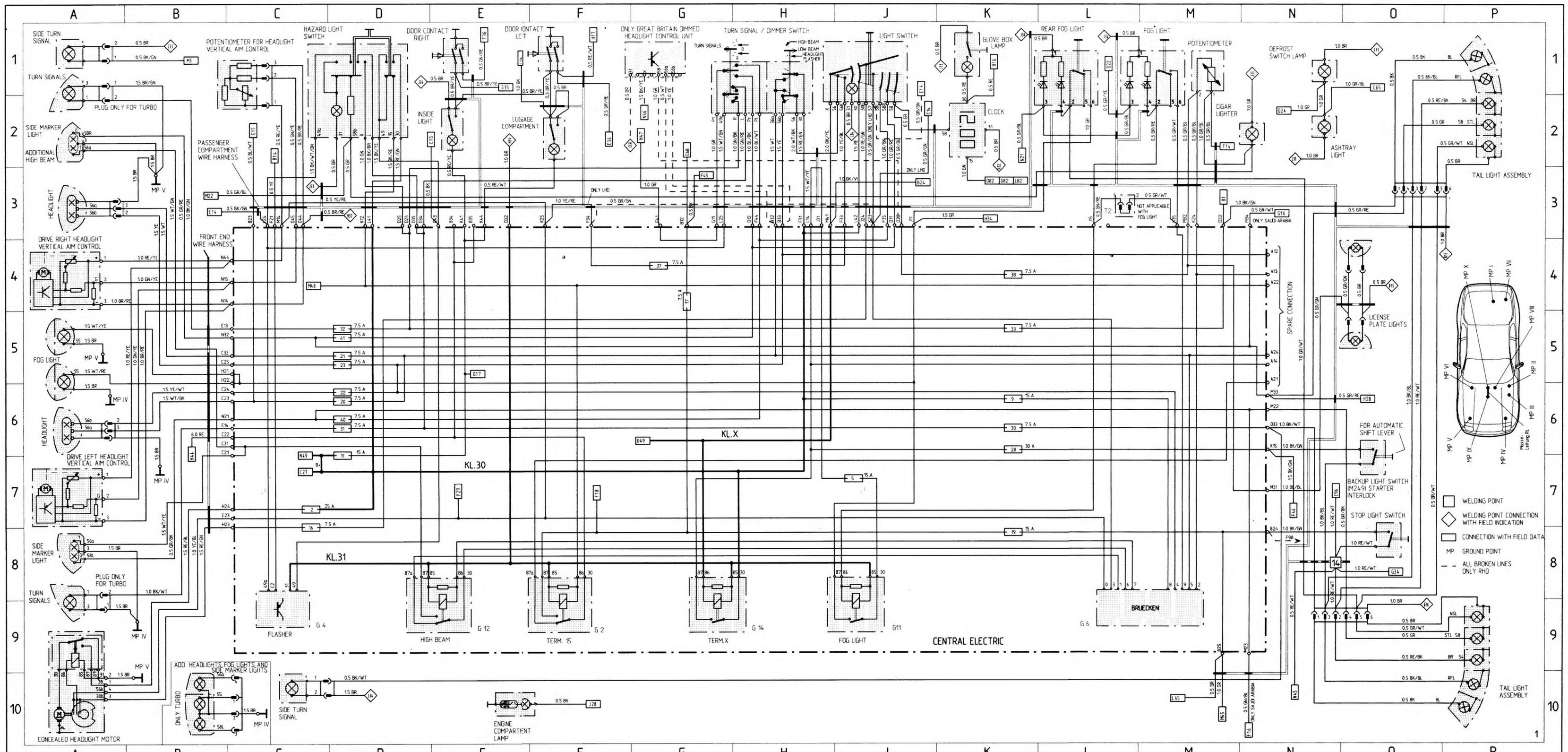
LIGHTS ROW/OPT. EQUIPM.

COORDINATES

1-10



LIGHTS ROW/OPT. EQUIPM.



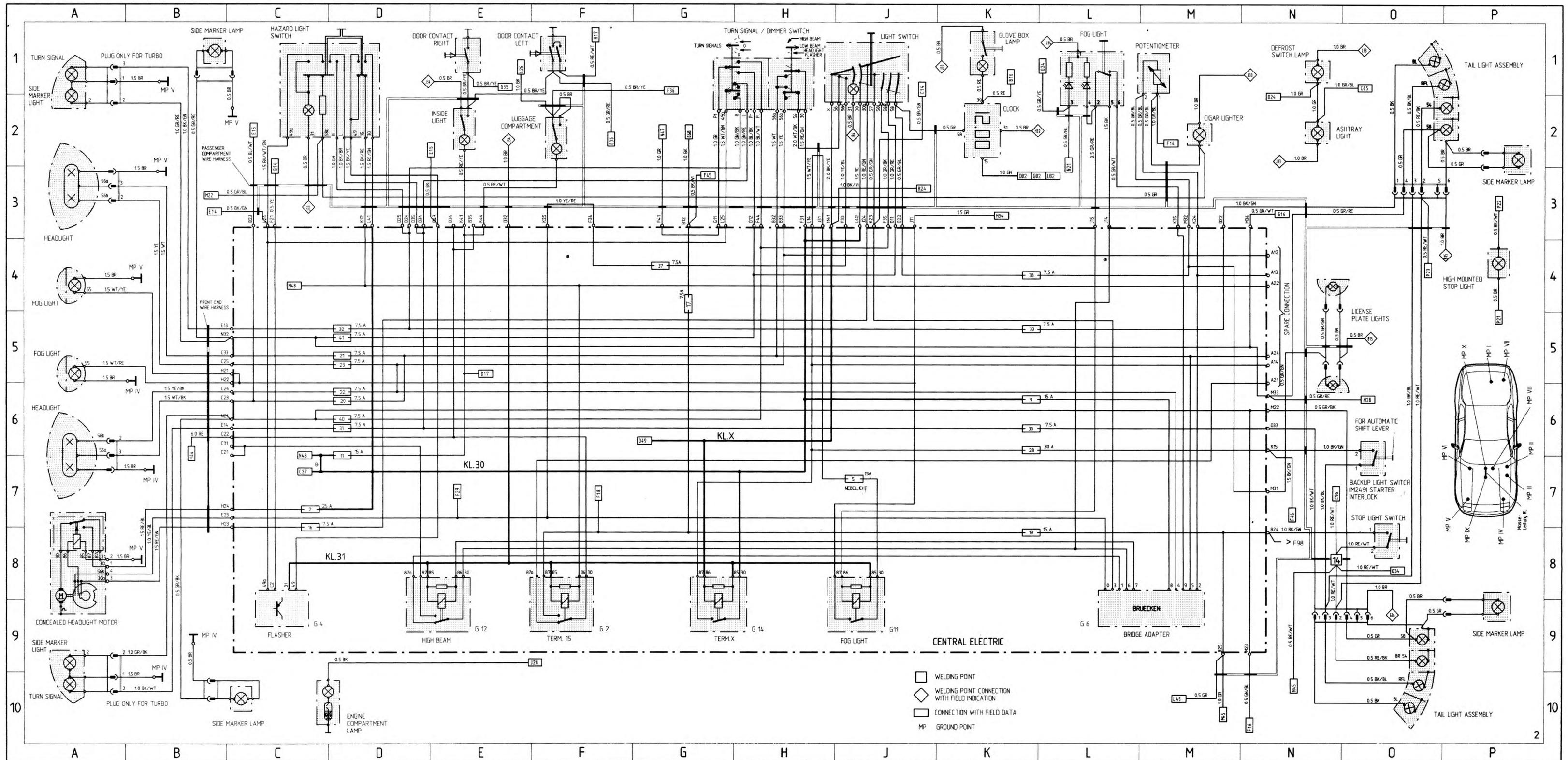
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 2

LIGHTS USA

COORDINATES

1 - 10

LIGHTS USA



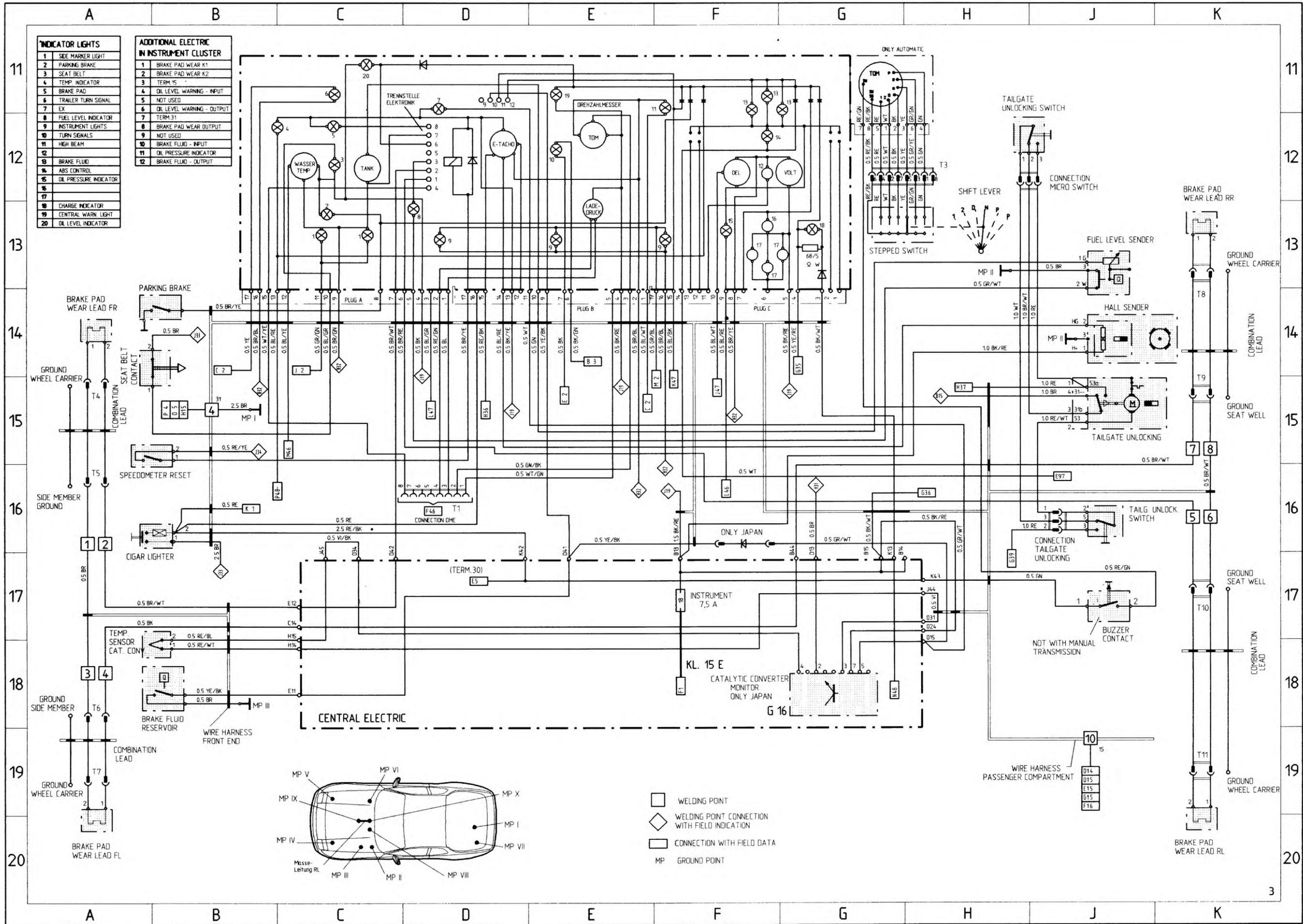
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 3

INSTRUMENT CLUSTER AND SENDER ROW

COORDINATES

11 - 20

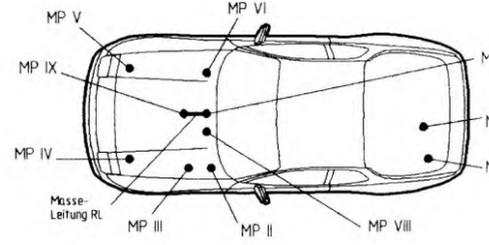
## INSTRUMENT CLUSTER AND SENDER ROW



INDICATOR LIGHTS	
1	SIDE MARKER LIGHT
2	PARKING BRAKE
3	SEAT BELT
4	TEMP. INDICATOR
5	BRAKE PAD
6	TRAILER TURN SIGNAL
7	EX
8	FUEL LEVEL INDICATOR
9	INSTRUMENT LIGHTS
10	TURN SIGNALS
11	HIGH BEAM
12	BRAKE FLUID
13	ABS CONTROL
14	OIL PRESSURE INDICATOR
15	
16	
17	
18	CHARGE INDICATOR
19	CENTRAL WARN LIGHT
20	OIL LEVEL INDICATOR

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR K1
2	BRAKE PAD WEAR K2
3	TERM. 15
4	OIL LEVEL WARNING - INPUT
5	NOT USED
6	OIL LEVEL WARNING - OUTPUT
7	TERM. 31
8	BRAKE PAD WEAR OUTPUT
9	NOT USED
10	BRAKE FLUID - INPUT
11	OIL PRESSURE INDICATOR
12	BRAKE FLUID - OUTPUT

- WELDING POINT
- WELDING POINT CONNECTION WITH FIELD INDICATION
- CONNECTION WITH FIELD DATA
- MP GROUND POINT



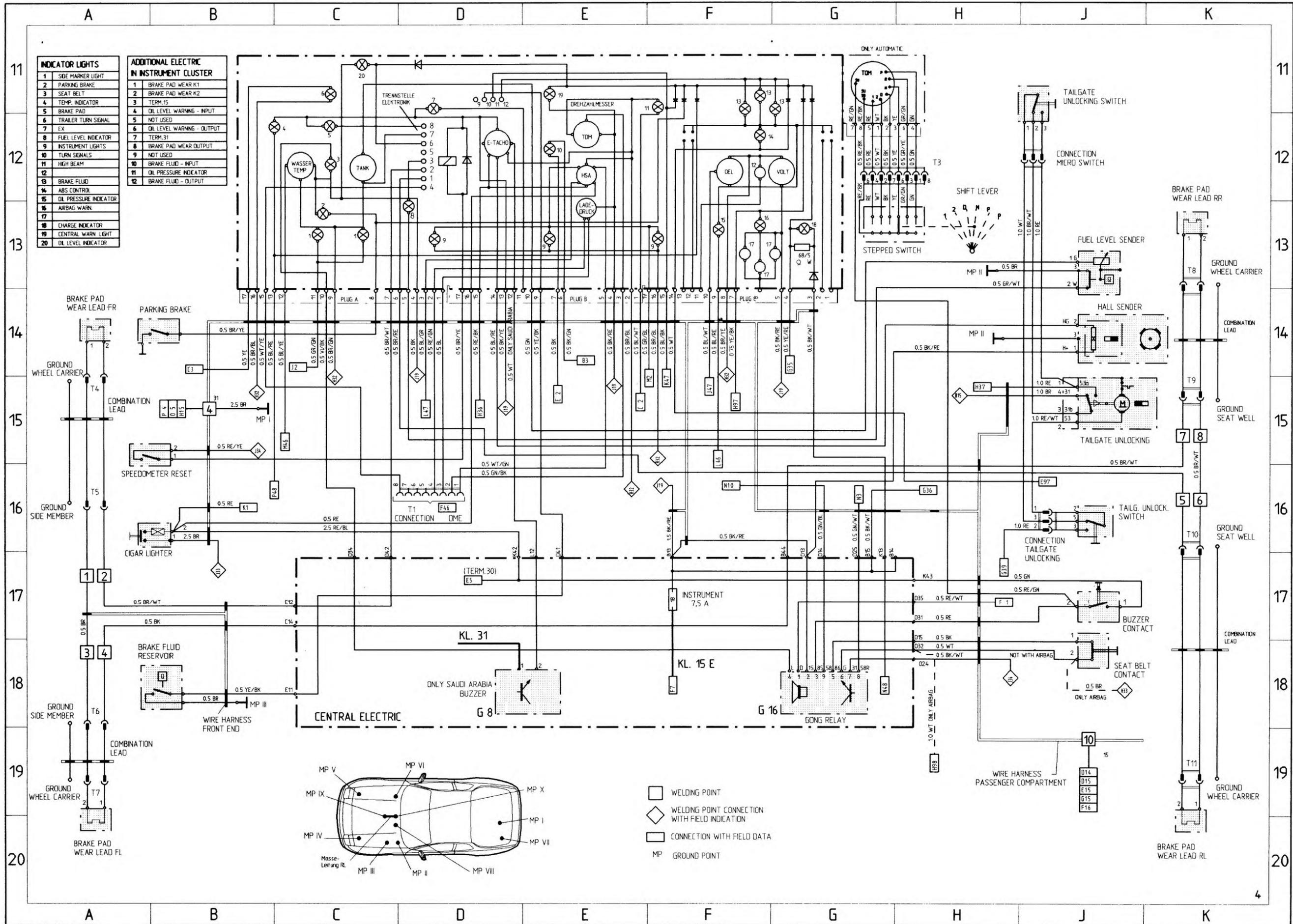
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 4

INSTRUMENT CLUSTER AND SENDER USA OPT. EQUIPM.

COORDINATES

11-20

INSTRUMENT CLUSTER AND SENDER USA OPT. EQUIPM.

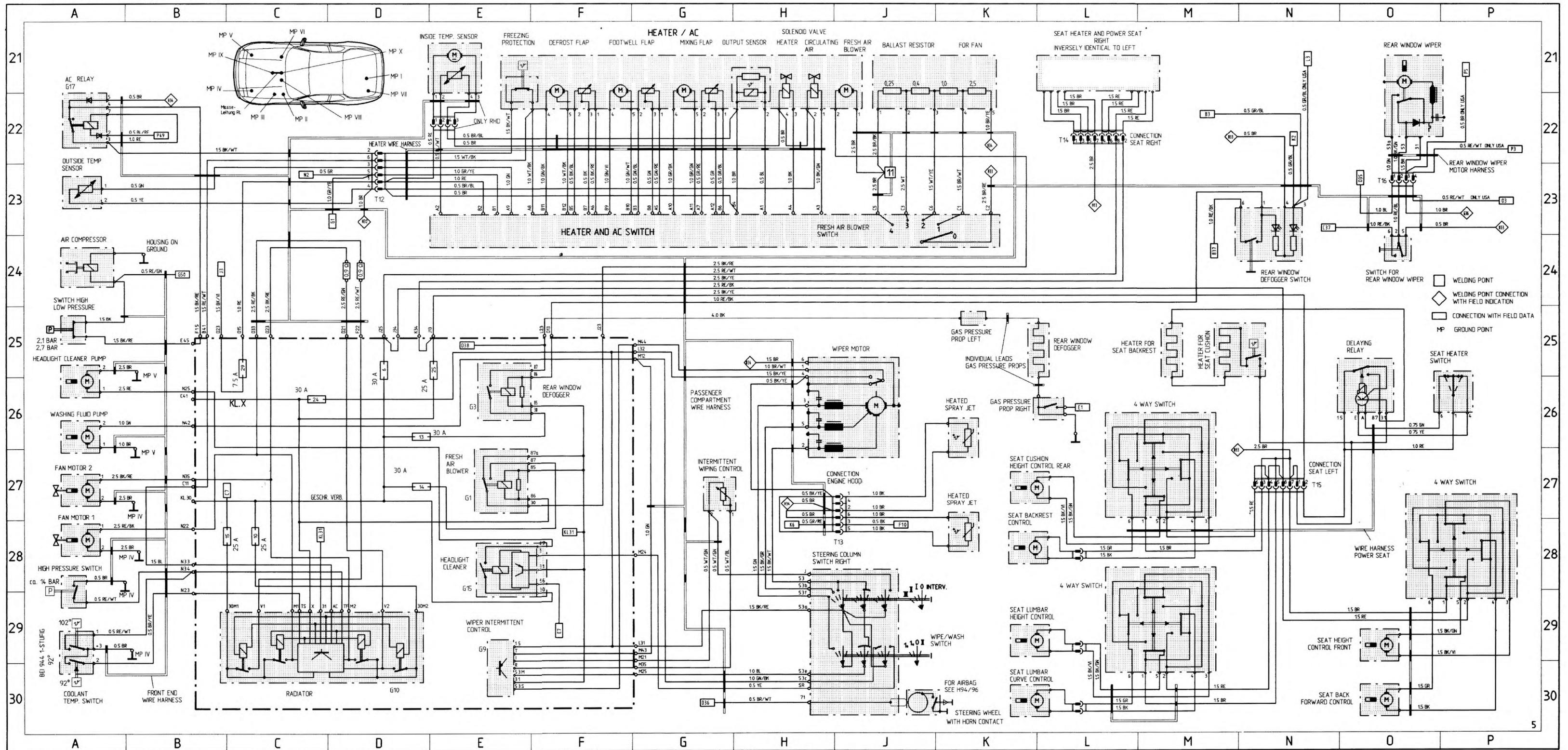


# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 5

HEATING, AIRCONDITIONING, VENTILATING  
COORDINATES

21 - 30

HEATING, AIRCONDITIONING, VENTILATING



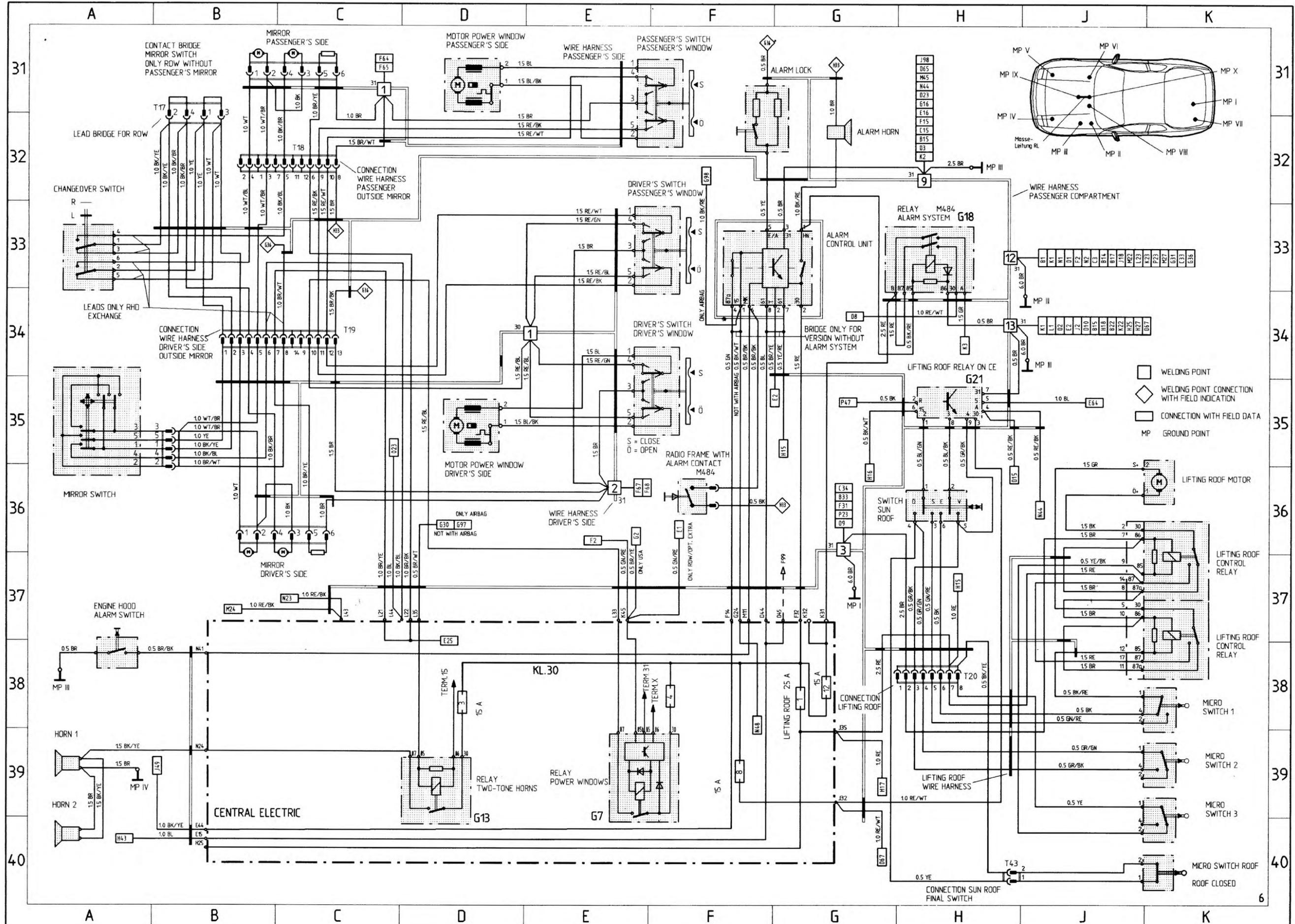
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 6

TWO-TONE HORNS, MIRRORS, ALARM SYSTEM

COORDINATES

31 - 40

TWO-TONE HORNS, MIRRORS, ALARM SYSTEM



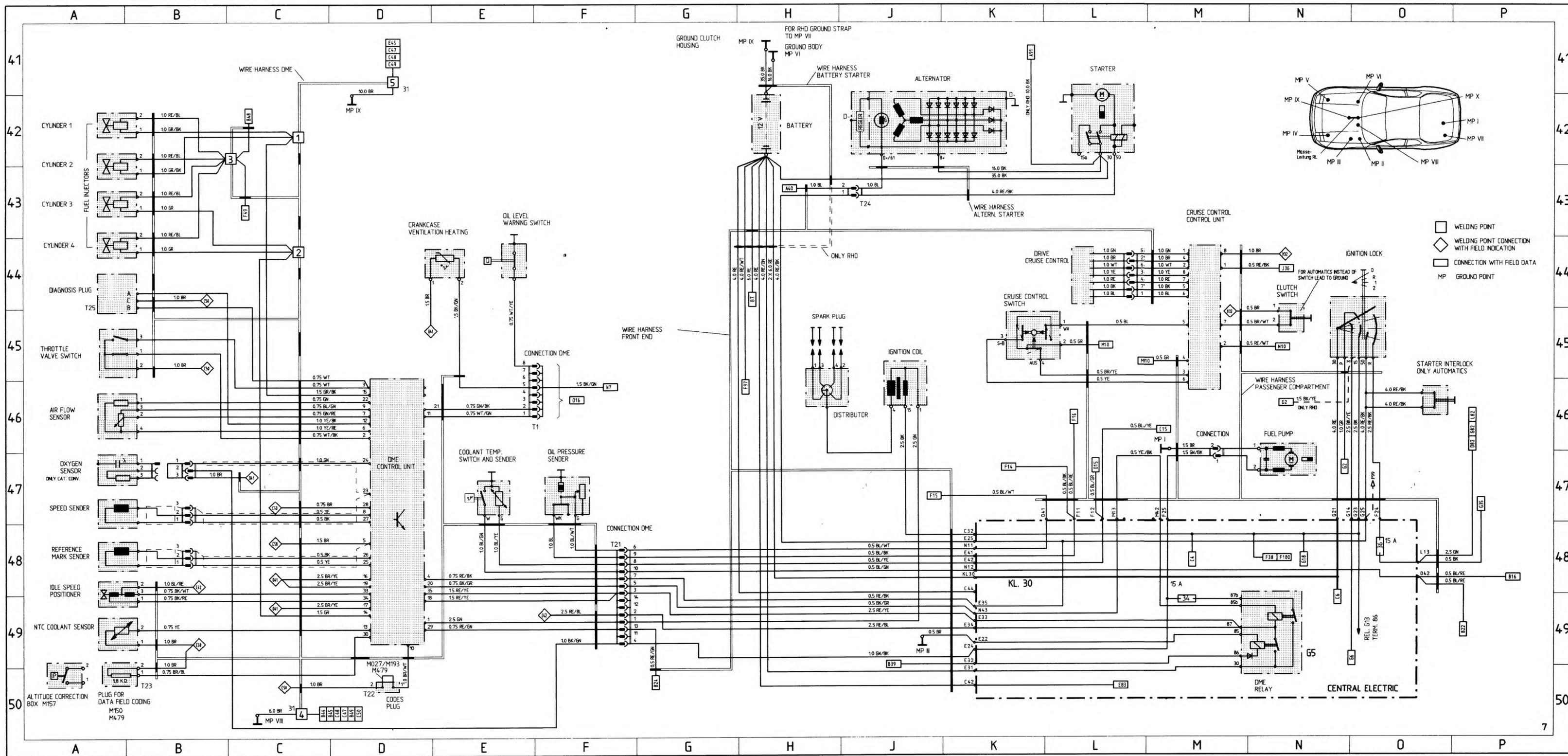
# Wiring Diagram Type 944 Model 88 page 7

ENGINE COMPARTMENT, CRUISE CONTROL - 944

COORDINATES

41 - 50

ENGINE COMPARTMENT, CRUISE CONTROL - 944



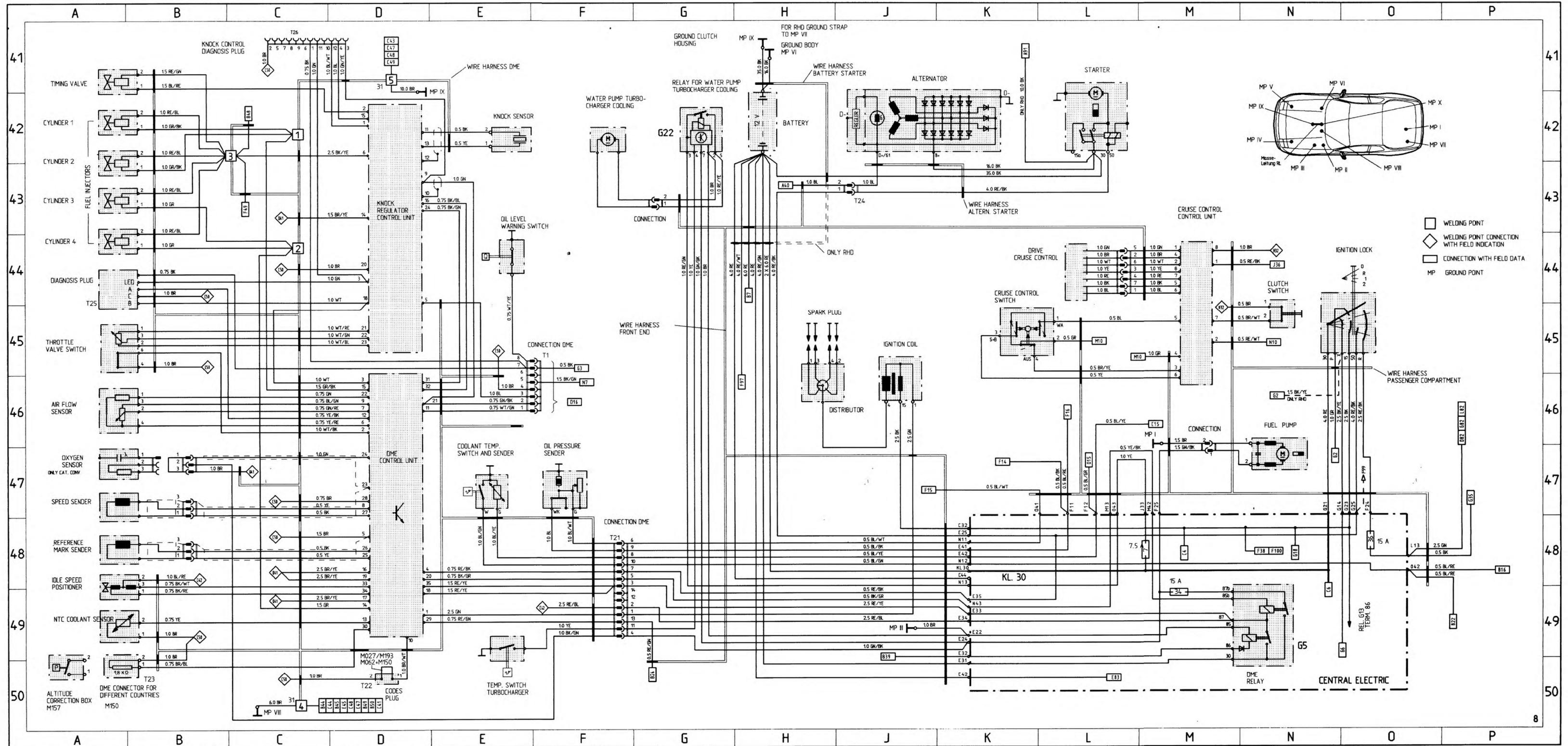
# Wiring Diagram Type 944 turbo Model 88 page 8

ENGINE COMPARTMENT, CRUISE CONTROL - 944 TURBO

COORDINATES

41 - 50

ENGINE COMPARTMENT, CRUISE CONTROL - 944 TURBO



# Wiring Diagram Type 944 S Model 88 page 9

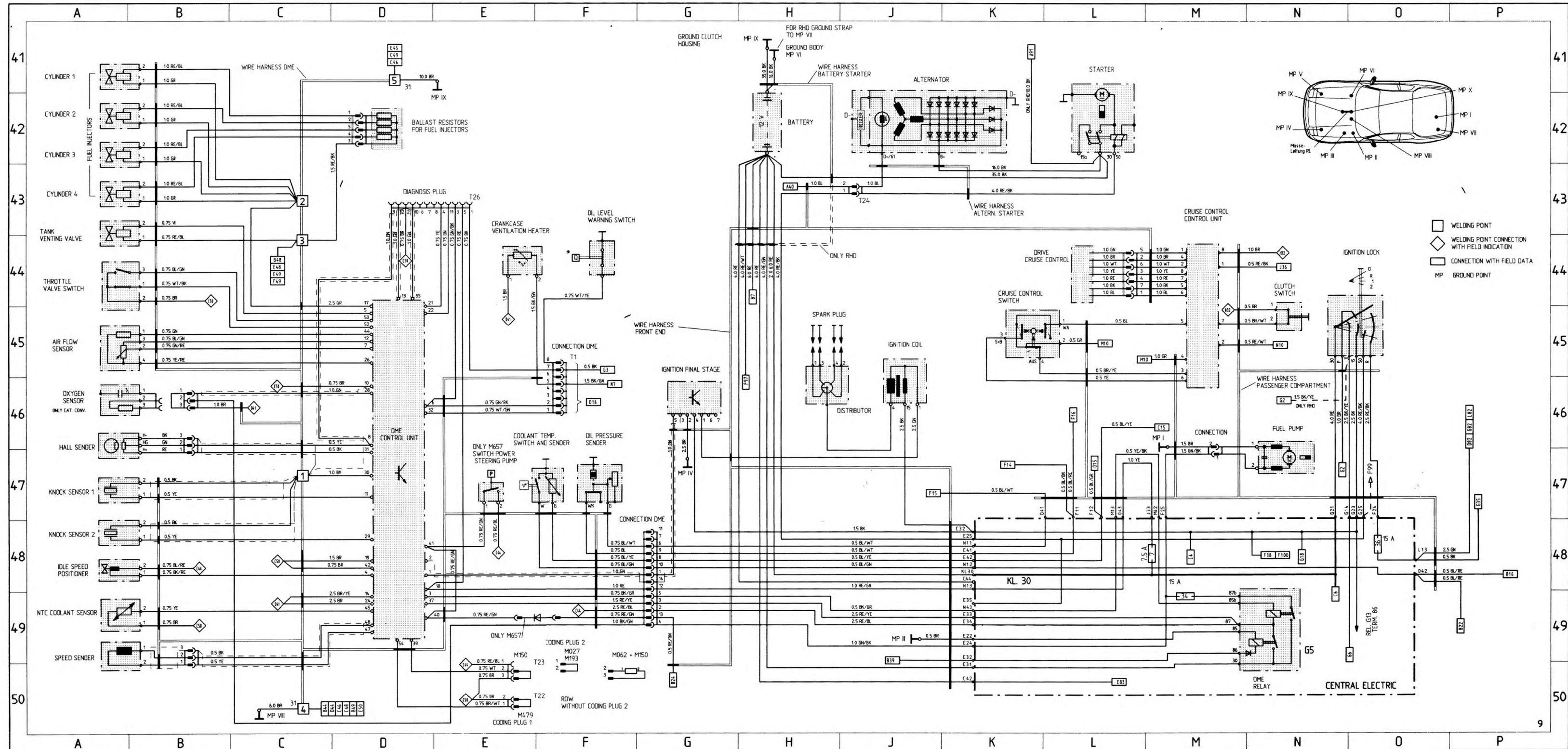
ENGINE COMPARTMENT, CRUISE CONTROL

4-VALVE ENGINE

COORDINATES

41 - 50

ENGINE COMPARTMENT, CRUISE CONTROL 4-VALVE ENGINE



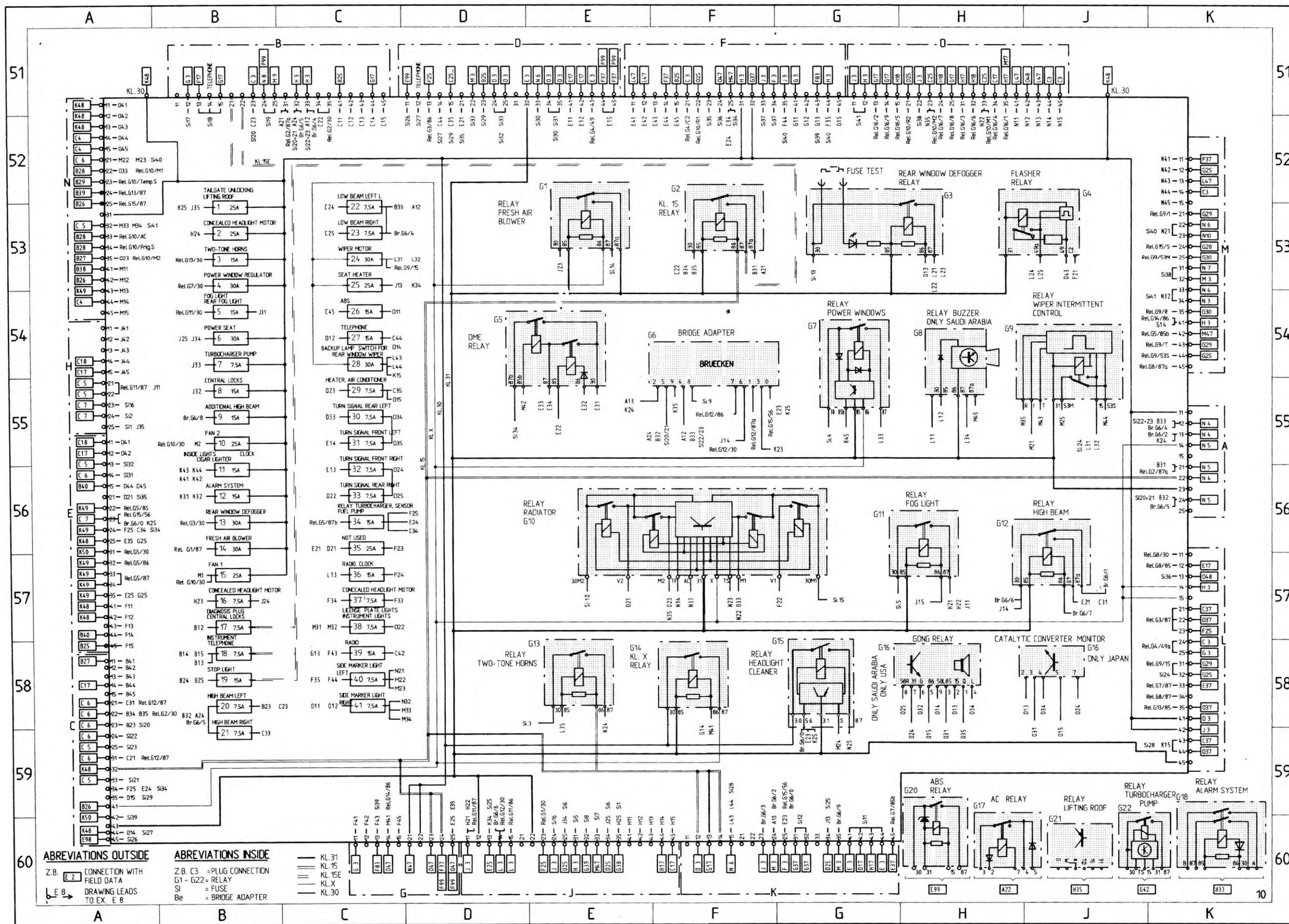
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 10

CENTRAL ELECTRIC

COORDINATES

51 - 60

CENTRAL ELECTRIC



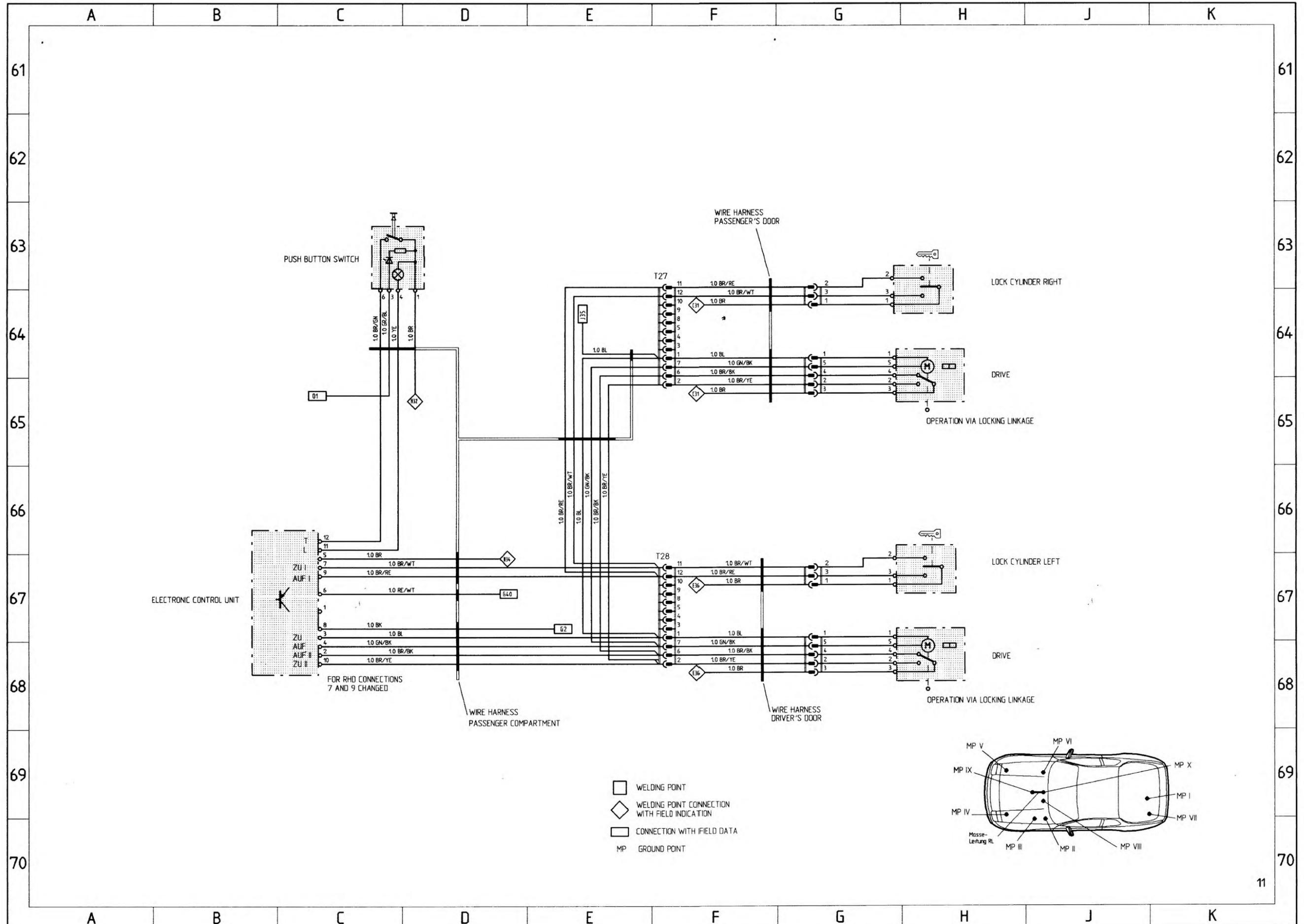
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 11

CENTRAL LOCKS

COORDINATES

61 - 70

CENTRAL LOCKS



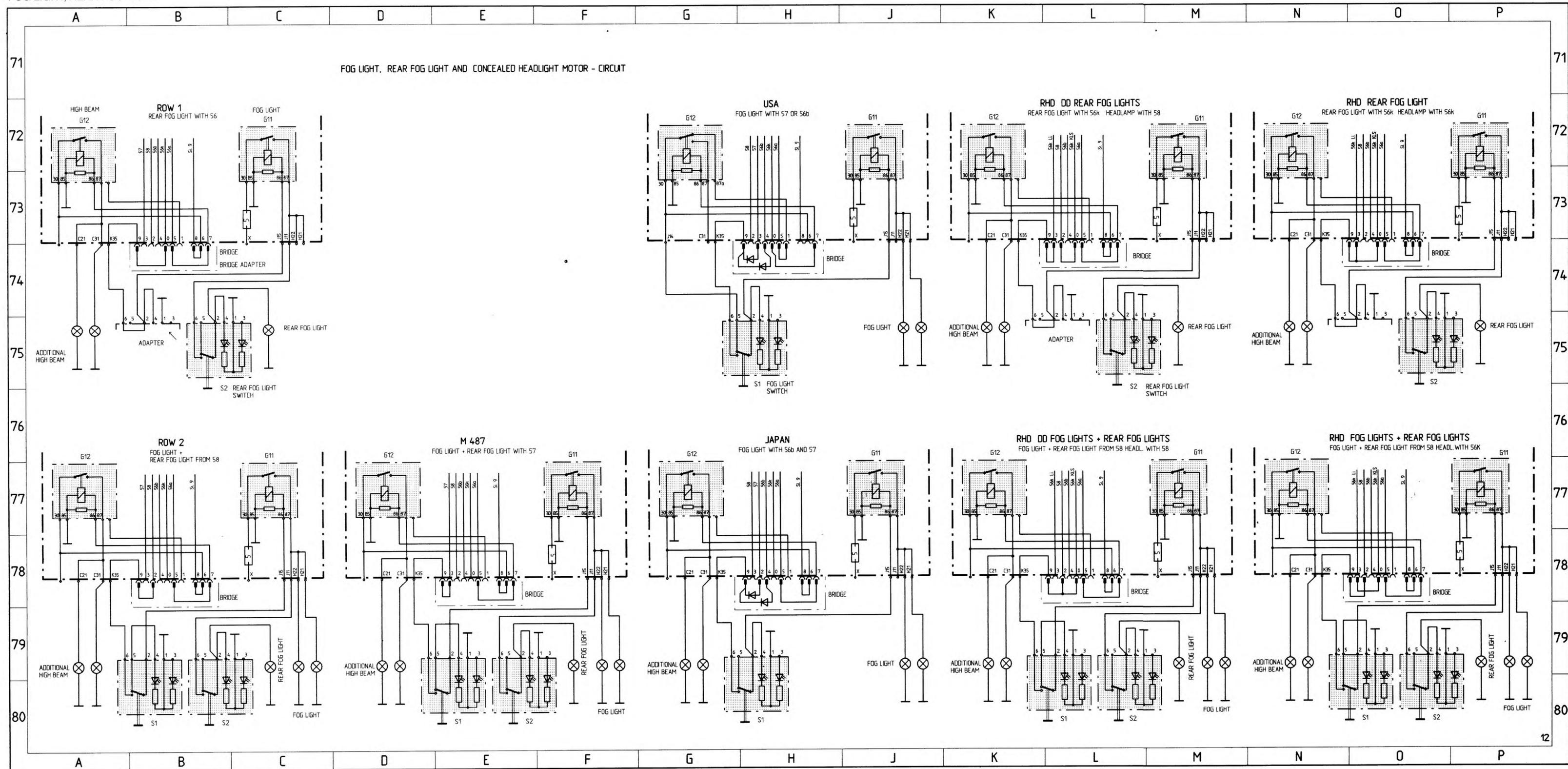
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 12

FOG LIGHT, REAR FOG LIGHT

COORDINATES

71 - 80

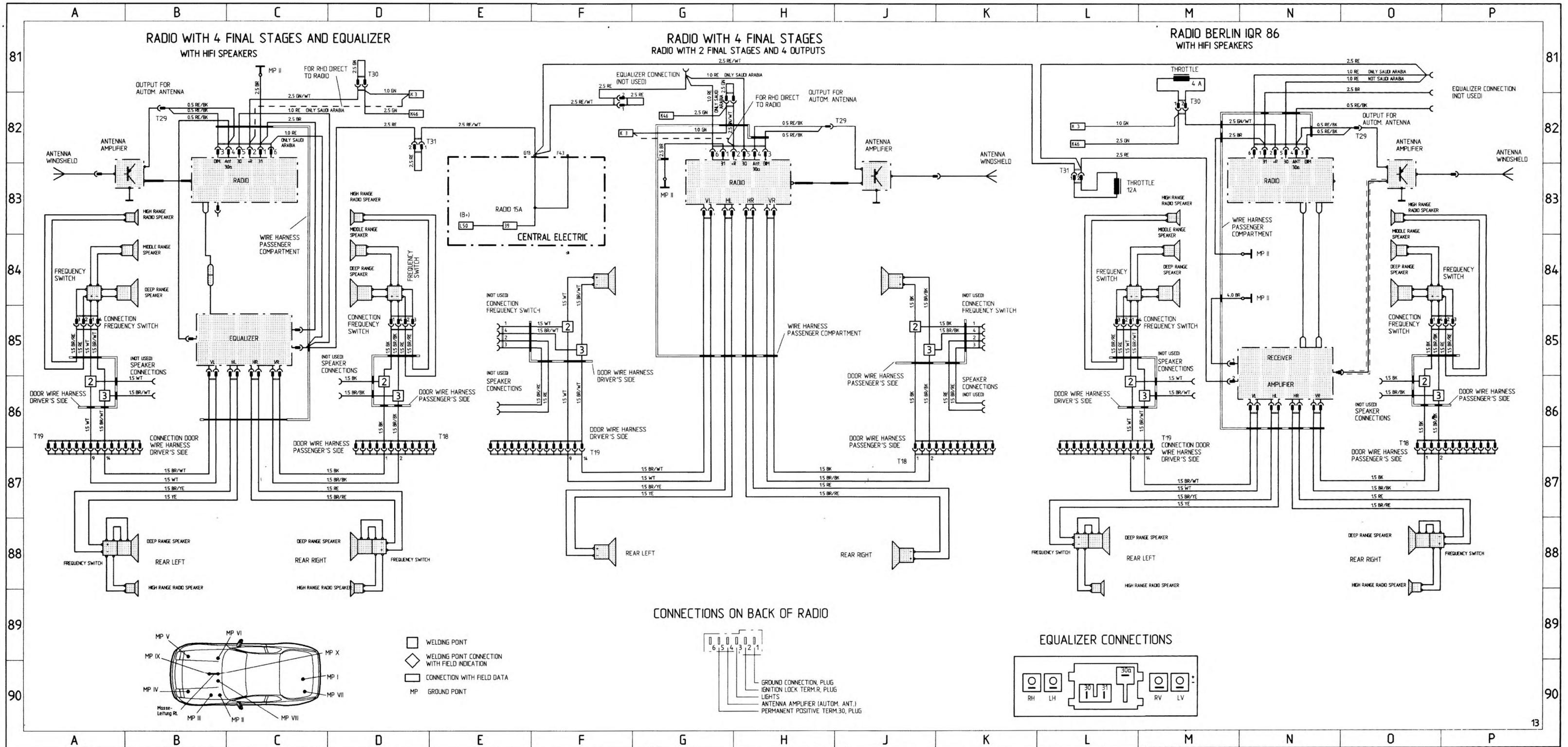
FOG LIGHT, REAR FOG LIGHT



# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 13

RADIO  
COORDINATES  
81 - 90

RADIO



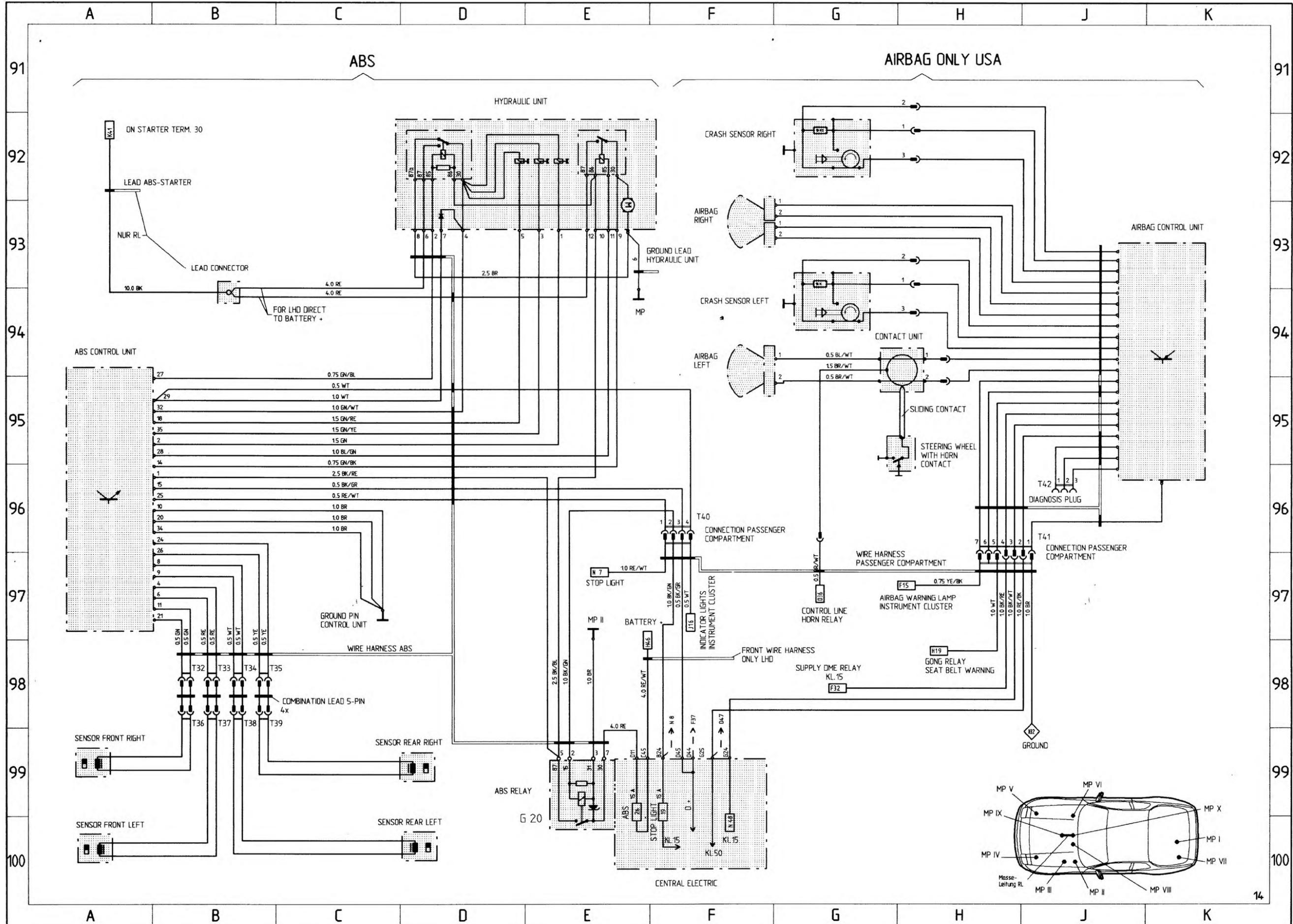
# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 14

ABS, AIRBAG

COORDINATES

91 - 100

ABS, AIRBAG

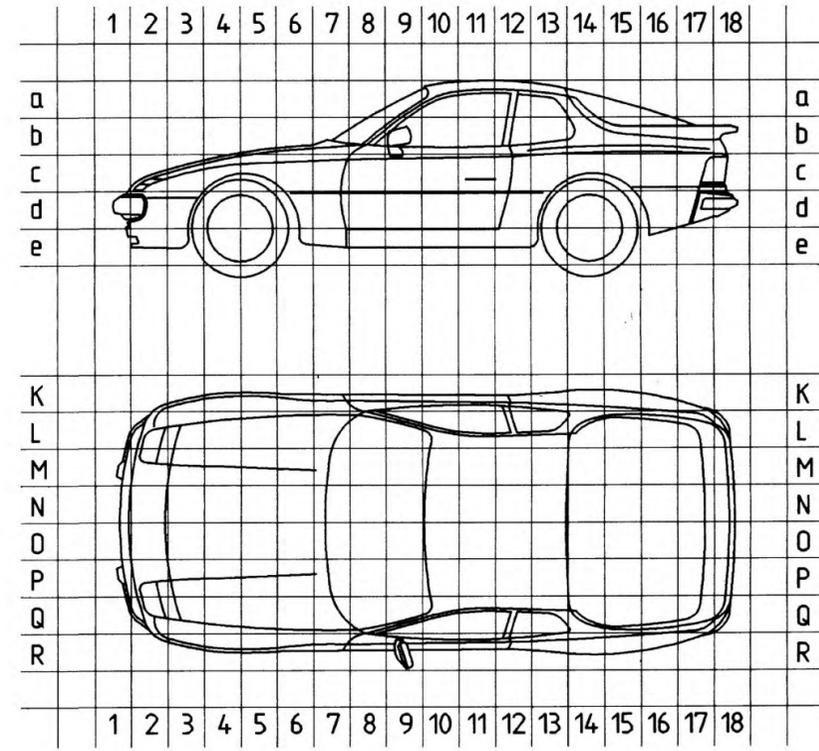


# Wiring Diagram Type 944, 944 turbo 944 S Model 88 page 15

CONSTR. COMPONENTS, PLUG CONNECTION,  
GROUND POINTS

CONSTR. COMPONENTS, PLUG CONNECTION, GROUND POINTS

CONSTRUCTION COMPONENTS			PLUG CONNECTIONS			GROUND POINTS							
DESIGNATION, FUNCTION	POSITION IN VEHICLE		FIELD IN WIRE DIAGRAM	CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE		FIELD IN WIRE DIAGRAM	CODE	DESIGNATION, FUNCTION	POSITION IN VEHICLE	
	LHD	RHD					NOTE	LHD				RHD	LHD
ANTENNA AMPLIFIER	7cL	7cL	A/1/083	T1	8	WIRE HARNESS / PASSENGER COMPARTMENT	6dM	6dP	CD16, E46, F46	MP I	COVER PANEL	18cO	18cO
OUTSIDE TEMP. SENSOR	6cN	6cN	A23	T2	2	CONTACT BRIDGE REAR FOG LIGHT	7cQ	7cQ	L3	MP II	INSIDE FIREWALL ELECTRONICS CHASSIS	7cP	7cP
THROTTLE RADIO	8cP		M82	T3	8	SWITCH RANGE INDICATOR / WH PASSENGER COMP.	9cD/N	9cQ/N	GH12	MP III	INSIDE FIREWALL CABLE TO GROUND	7cP	7cP
THROTTLE AMPLIFIER	8cP		L83	T4	2	BRAKE PAS WEAR CONTACT FRONT RIGHT / COMBINATION LEAD	5dL	5dL	A14	MP IV	LONGITUDINAL SUPPORT	3dP	3dP
RECEIVER AMPLIFIER	8cP		N85	T5	2	COMB. LEAD RIGHT / WH FRONT (BVA)	6cL	6cL	A16	MP V	LONGITUDINAL SUPPORT	3dM	3dM
HALL SENDER	14dO	14dO	J14	T6	2	COMB. LEAD LEFT / WH FRONT (BVA)	6cQ	6cQ	A18	MP VI	BODY BATTERY LHD	6cL	
TAILGATE UNLOCKING	18cM	18cM	J15	T7	2	BRAKE PAS WEAR CONTACT FRONT LEFT / COMBINATION LEAD	5dQ	5dQ	A19	MP VII	BODY BATTERY RHD		16cQ
HIGH PRESSURE SWITCH	3dR	3dR	A28	T8	2	BRAKE PAS WEAR CONTACT REAR RIGHT / COMBINATION LEAD	14dL	14dL	K13	MP VIII	ENGINE BLOCK DME ELECTRONICS CHASSIS	6cO	6cO
HIGH PRESSURE AND LOW PRESSURE SWITCH	3dQ	3dQ	A25	T9	2	COMB. LEAD RIGHT / WH PASSENGER COMP.	15dM	15dM	K15	MP IX	CLUTCH BELL HOUSING BATTERY LEAD LHD + DME CABLE TO GROUND	7cO	7cO
LIFTING ROOF MOTOR W. CONTROL RELAY, MICRO SWITCH	16dQ	16dQ	K36/37/38	T10	2	COMB. LEAD LEFT / WH PASSENGER COMP.	15dP	15dP	K17	MP X	BODY RHD FIREWALL		7cO
INSIDE TEMP. SENSOR BLOWER	8cM	8cP	E21	T11	2	BRAKE PAS WEAR CONTACT REAR LEFT / COMBINATION LEAD	14dQ	14dQ	K19				
CONCEALED HEADLIGHT MOTOR	3cM	3cM	A9	T12	6	WH HEATER, AIR CONDITIONING, PASSENGER COMP.	7cD/N	7cD/N	D23				
CRANKCASE VENTILATION HEATER	6cO	6cO	E44	T13	6	WH PASSENGER COMPARTMENT / ENGINE HOOD	6bP	6bP	J27				
COOLING WATER TEMPERATURE SWITCH	2dP	2dP	A29	T14	8	POWER ADJUSTABLE SEAT RIGHT / WH PASSENGER COMPARTM.	11eM	11eM	L22				
MICRO SWITCH ROOF CLOSED	10aO	10aO	K40	T15	8	POWER ADJUSTABLE SEAT LEFT / WH PASSENGER COMPARTM.	11eP	11eP	N27				
OIL PRESSURE SENDER AND SWITCH	3dP	3dP	F47	T16	4	REAR WINDOW WIPER, HIGH MOUNTED STOP LIGHT / WH PASS. COMP.	14cQ	14cQ	D23				
OIL LEVEL WARNING SWITCH	6eN	6eN	E44	T17	4	CONTACT BRIDGE MIRROR SWITCH	9dO/N	9dO/N	B31/32				
SWITCH POWER STEERING PUMP	3eN	3eN	E47	T18	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	BC32, DKP87				
SWITCHING DEVICE, REDUCED DRIVING LIGHT		8cM	G1	T19	14	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	BC34, AFL87				
HEADLIGHT CLEANER PUMP	3dL	3dL	A26	T20	8	WIRE HARNESS SUN ROOF / PASSENGER COMPARTMENT	16dQ	16dQ	H38				
DRIVE CRUISE CONTROL	6cL	6cL	L44	T21	14	WIRE HARNESS DME / WIRE HARNESS FRONT	6cP	6cP	F48/49				
CONTROL UNIT ABS	7cL	7cL	A96	T22	2	CODING PLUG / DME	6dM	6dP	D50, EF50				
CONTROL UNIT AIRBAG	6cM		J94	T23	2	PLUG FOR DATA FIELD CODING / DME	6dM	6dP	A50, EF50				
CONTROL UNIT ALARM SYSTEM	6dM	6dP	G33	T24	2	WH ALTERN. STARTER / WH FRONT	6cO	6cO	J43				
CONTROL UNIT DME	6dM	6dP	D47	T25	5	DIAGNOSIS PLUG FOR IDLE SPEED POSITIONER	6cP	6cP	AB44				
CONTROL UNIT KNOCK REGULATOR	6dM	6dP	D44	T26	12	DIAGNOSIS PLUG KNOCK REGULATOR	6dL	6dO	C41, D43				
CONTROL UNIT CRUISE CONTROL	7cR	7cR	M45	T27	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	F64				
CONTROL UNIT CENTRAL LOCKS	8cP	8cM	B67	T27	12	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	F67				
TANK VENTING VALVE	6cQ	6cQ	A43	T29	1	ANTENNA AMPLIFIER / WH PASSENGER COMP.	7cO	7cO	B82, H82, D82				
TEMP. SWITCH TURBOCHARGER	4cO	4cO	E50	T30	2	THROTTLE FOR RADIO / OR CONTACT BRIDGE	8cP		D81, M82				
BALLAST RESISTORS FOR FUEL INJECTORS	6cL	6cL	D42	T31	2	THROTTLE FOR AMPLIFIER / OR CONTACT BRIDGE	8cP		D83, L83				
WASHING FLUID PUMP	3cL	3cL	A26	T32	2	WH ABS / COMBINATION LEAD FR	6cL	6cL	B98				
COOLANT TEMP. SWITCH AND SENDER	4dP	4dP	E47	T33	2	WH ABS / COMBINATION LEAD FL	6cQ	6cQ	B98				
WATER PUMP TURBO-CHARGER COOLING	4cP	4cP	E42	T34	2	WH ABS / COMBINATION LEAD RL	15dP	15dP	B98				
IGNITION FINAL STAGE	3dQ	3dQ	G46	T35	2	WH ABS / COMBINATION LEAD RR	15dM	15dM	B98				
				T36	2	COMB. LEAD FR / ABS-SENSOR FR	5dL	5dL	B98				
				T37	2	COMB. LEAD FL / ABS-SENSOR FL	5dQ	5dQ	B98				
				T38	2	COMB. LEAD RL / ABS-SENSOR RL	14dQ	14dQ	B98				
				T39	2	COMB. LEAD RR / ABS-SENSOR RR	14dL	14dL	B98				
				T40	4	WH PASSENGER COMPARTMENT / WH ABS	6dM	6dM	F96				
				T41	7	WH PASSENGER COMPARTMENT / WH AIRBAG	6dM		H97				
				T42	3	DIAGNOSIS PLUG AIRBAG	6cM		J96				
				T43	2	MICRO SWITCH SUN ROOF / WH PASSENGER COMPARTMENT	10aO	10aO	H40				



# Wiring Diagram Type 944, 944 turbo 944 S Model 89

## Coordinates

<b>Sheet 1</b>	1 - 10	Lights ROW/Opt. Equipm.
<b>Sheet 2</b>	1 - 10	Lights USA
<b>Sheet 3</b>	1 - 10	Lights RHD
<b>Sheet 4</b>	11 - 20	Instrument Cluster and Sender ROW
<b>Sheet 5</b>	11 - 20	Instrument Cluster and Sender USA Opt. Equipm.
<b>Sheet 6</b>	21 - 30	Heating, Airconditioning, Ventilating, Power Seats, Wipe- and Wash Cleaners
<b>Sheet 7</b>	31 - 40	Two-Tone Horns, Mirrors, Lifting Roof, Power Window Regulator, Tailgate Unlocking
<b>Sheet 8</b>	41 - 50	Engine Compartment, Cruise Control - 944
<b>Sheet 9</b>	41 - 50	Engine Compartment, Cruise Control - 944 Turbo
<b>Sheet 10</b>	41 - 50	Engine Compartment, Cruise Control 4-Valve Engine
<b>Sheet 11</b>	51 - 60	Central Electric
<b>Sheet 12</b>	61 - 70	Central Locks, Alarm System
<b>Sheet 13</b>	71 - 80	Fog Light, Rear Fog Light
<b>Sheet 14</b>	81 - 90	Radio
<b>Sheet 15</b>	91 - 100	ABS, Airbag
<b>Sheet 16</b>	101 - 110	Differing Cable Layout for LHD
<b>Sheet 17</b>	111 - 120	Differing Cable Layout for RHD
<b>Sheet 18</b>		Construction Components
<b>Sheet 19</b>		Plug Connections and Ground Points

# Wiring Diagram Type 944, 944 turbo 944 S Model 89

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 20-pin connectors on the central-electrics box 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".

Parts 1 to 4 are identified by the numbers 1.....5.

Part 5 is a "coding element".

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

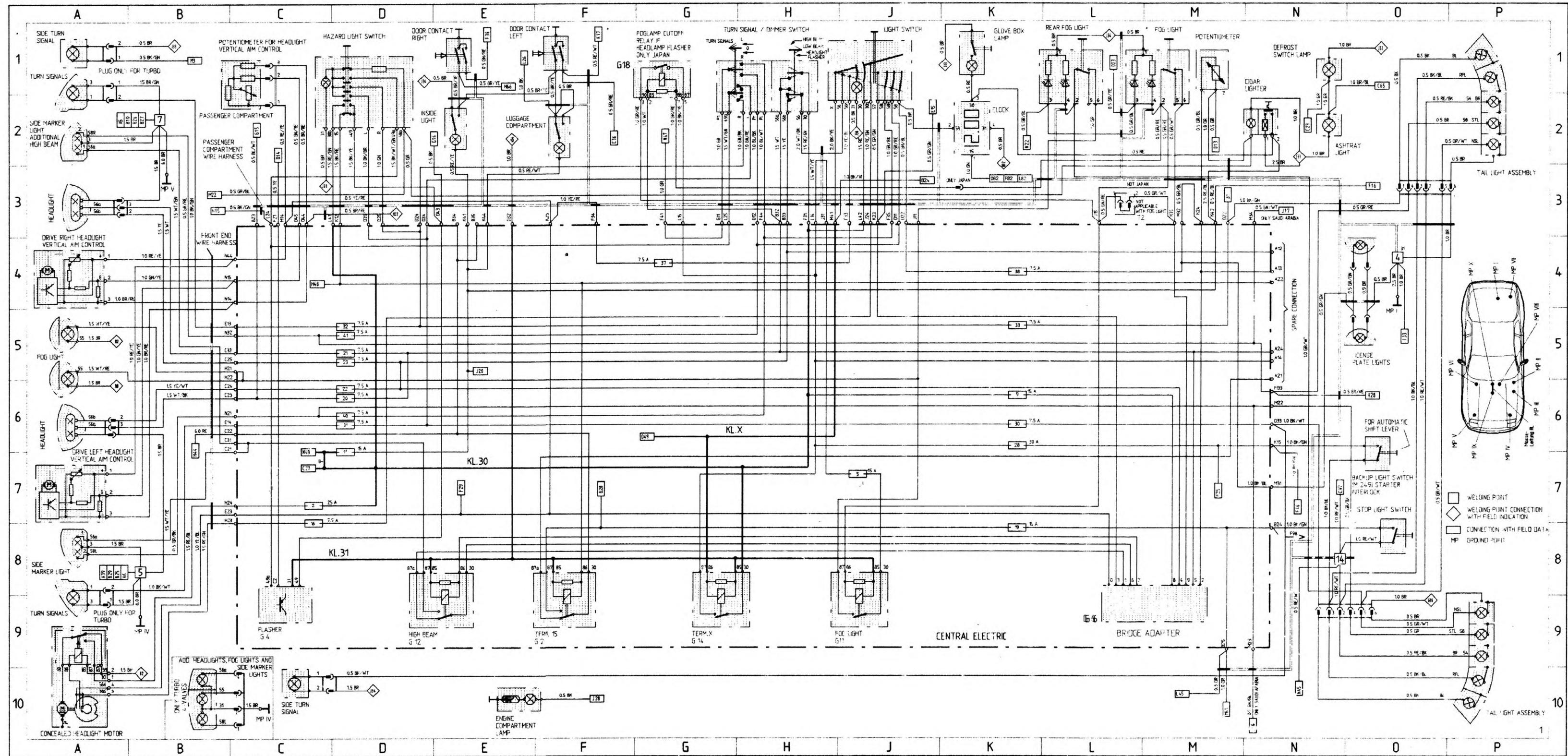
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 1**

**Lights Row/Opt. Eqipm.**

Coordinates

1 - 10

LIGHTS ROW/OPT. EQUIPM.

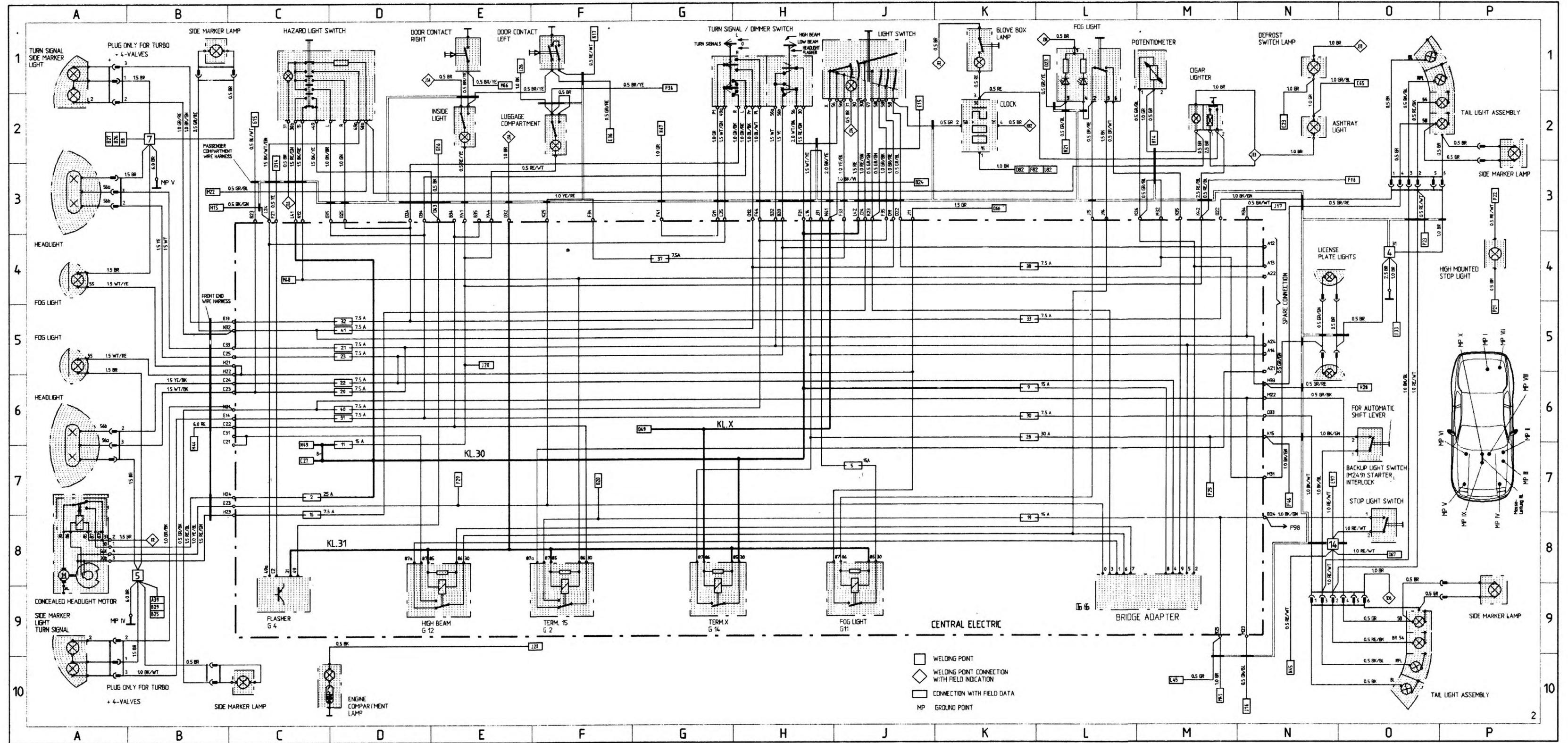


# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 2**

**Lights USA**

Coordinates

1 - 10



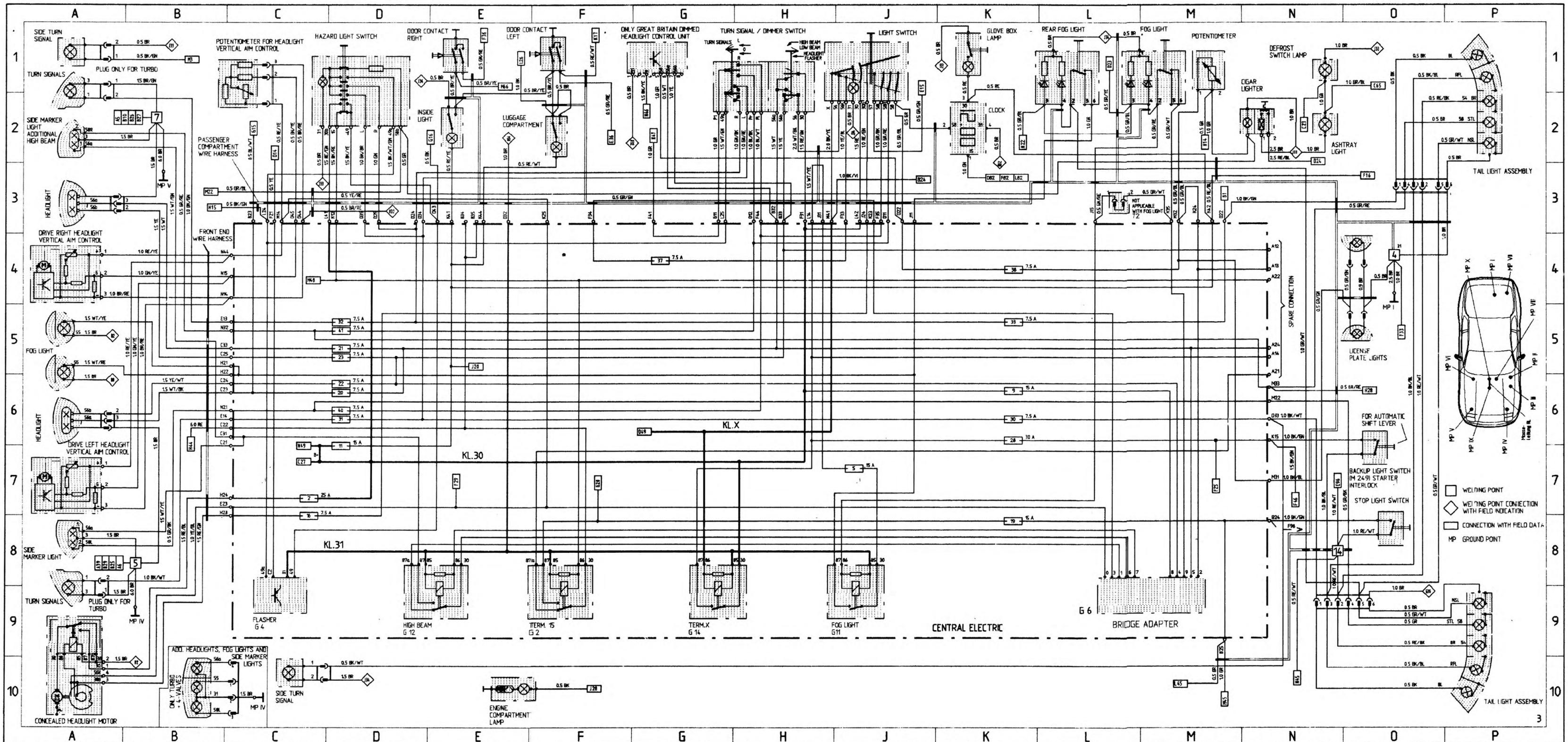
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 3**

**Lights RHD**

Coordinates

1 - 10

LIGHTS RHD



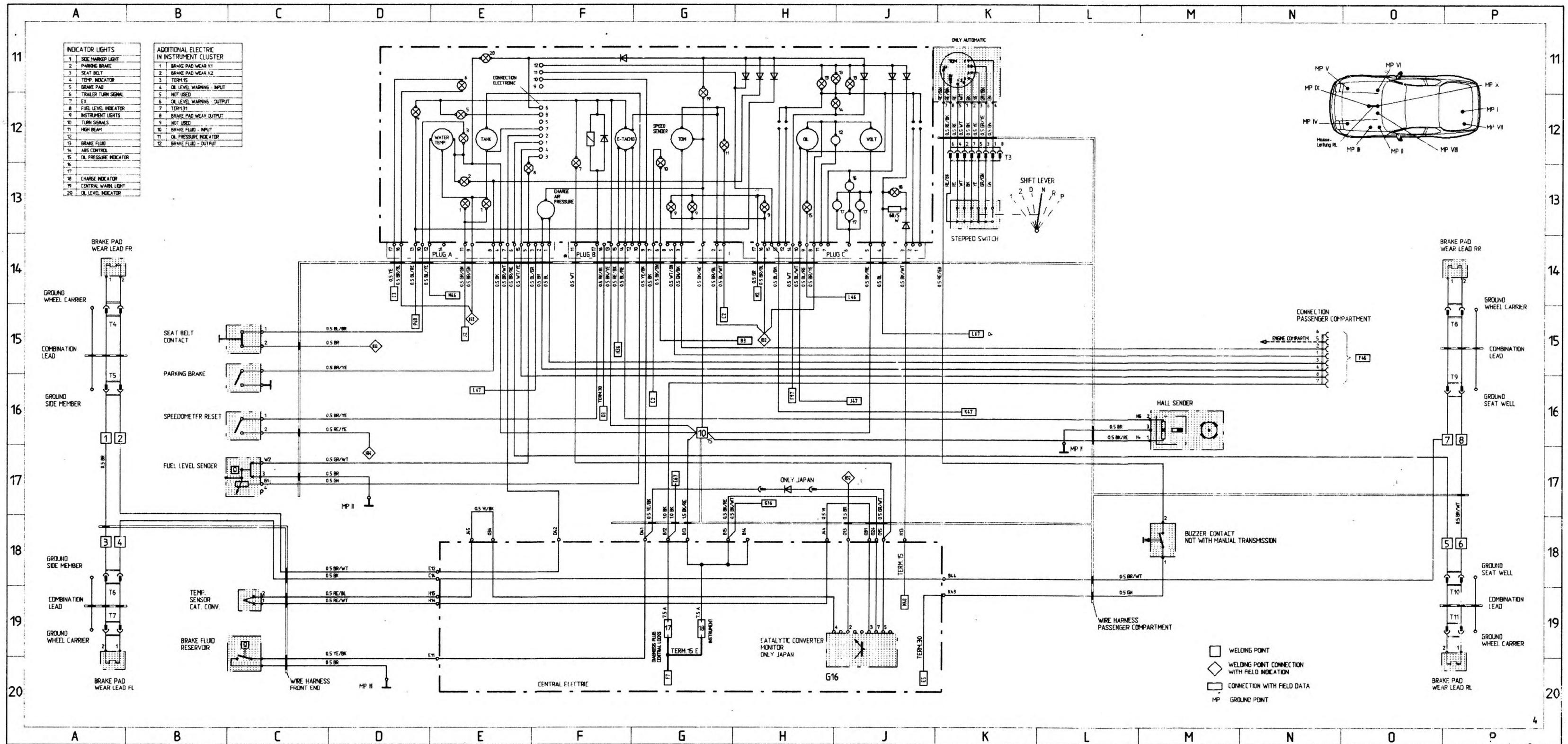
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 4**

## **Instrument Cluster and Sender ROW**

Coordinates

11 - 20

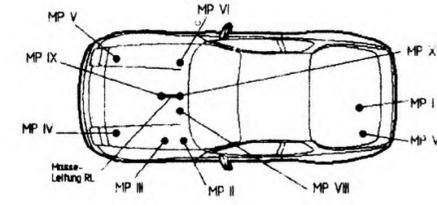
INSTRUMENT CLUSTER AND SENDER ROW



INDICATOR LIGHTS	
1	SIDE MARKER LIGHT
2	PARKING BRAKE
3	SEAT BELT
4	TEMP. INDICATOR
5	BRAKE PAD
6	TRAILER TURN SIGNAL
7	EX
8	FUEL LEVEL INDICATOR
9	INSTRUMENT LIGHTS
10	TURN SIGNALS
11	HIGH BEAM
12	BRAKE FLUID
13	ABS CONTROL
14	OIL PRESSURE INDICATOR
15	OIL PRESSURE INDICATOR
16	
17	
18	CHARGE INDICATOR
19	CENTRAL WARN LIGHT
20	OIL LEVEL INDICATOR

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR X1
2	BRAKE PAD WEAR X2
3	TEMP 15
4	OIL LEVEL WARNING - INPUT
5	NOT USED
6	OIL LEVEL WARNING - OUTPUT
7	TEMP 131
8	BRAKE PAD WEAR OUTPUT
9	NOT USED
10	BRAKE FLUID - INPUT
11	OIL PRESSURE INDICATOR
12	BRAKE FLUID - OUTPUT



- WELDING POINT
- ◇ WELDING POINT CONNECTION WITH FIELD INDICATION
- ▭ CONNECTION WITH FIELD DATA
- MP GROUND POINT

BK = BLACK WT = WHITE RE = RED GN = GREEN YE = YELLOW GR = GREY BR = BROWN BL = BLUE VI = VIOLET

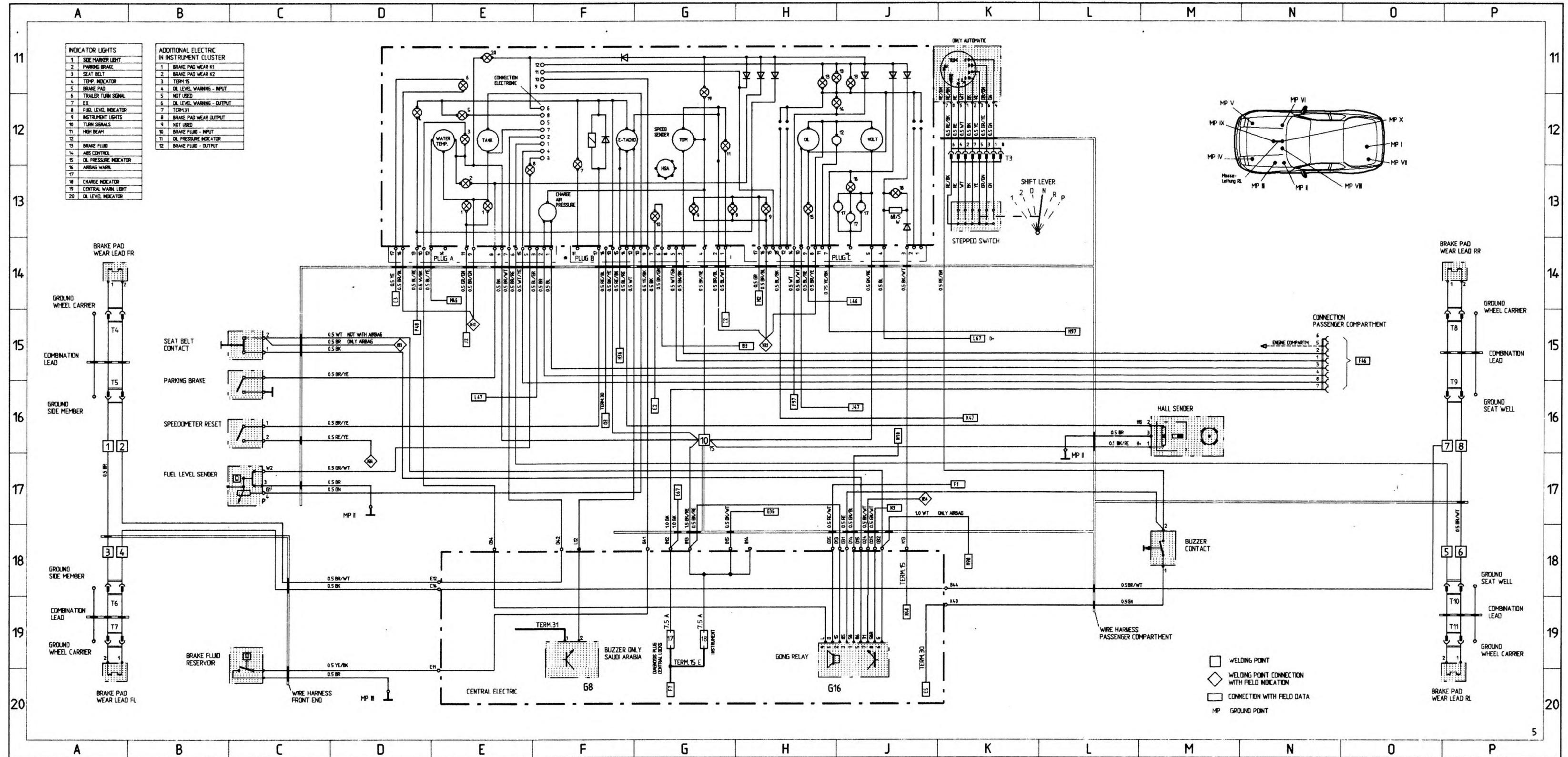
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 5**

**Instrument Cluster and Sender USA Opt. Equipm.**

Coordinates

11 - 20

INSTRUMENT CLUSTER AND SENDER USA / OPT.EQUIPM.



**Modifications in wiring diagram 944, 944 turbo, 944 S, model 89****Sheet 12, K 64**

Terminal 7 on the additional alarm system controller is not used. The wiring from terminal 7 to the isolation point T 27, Pin 2 has been dropped.

Please modify the wiring diagram accordingly.

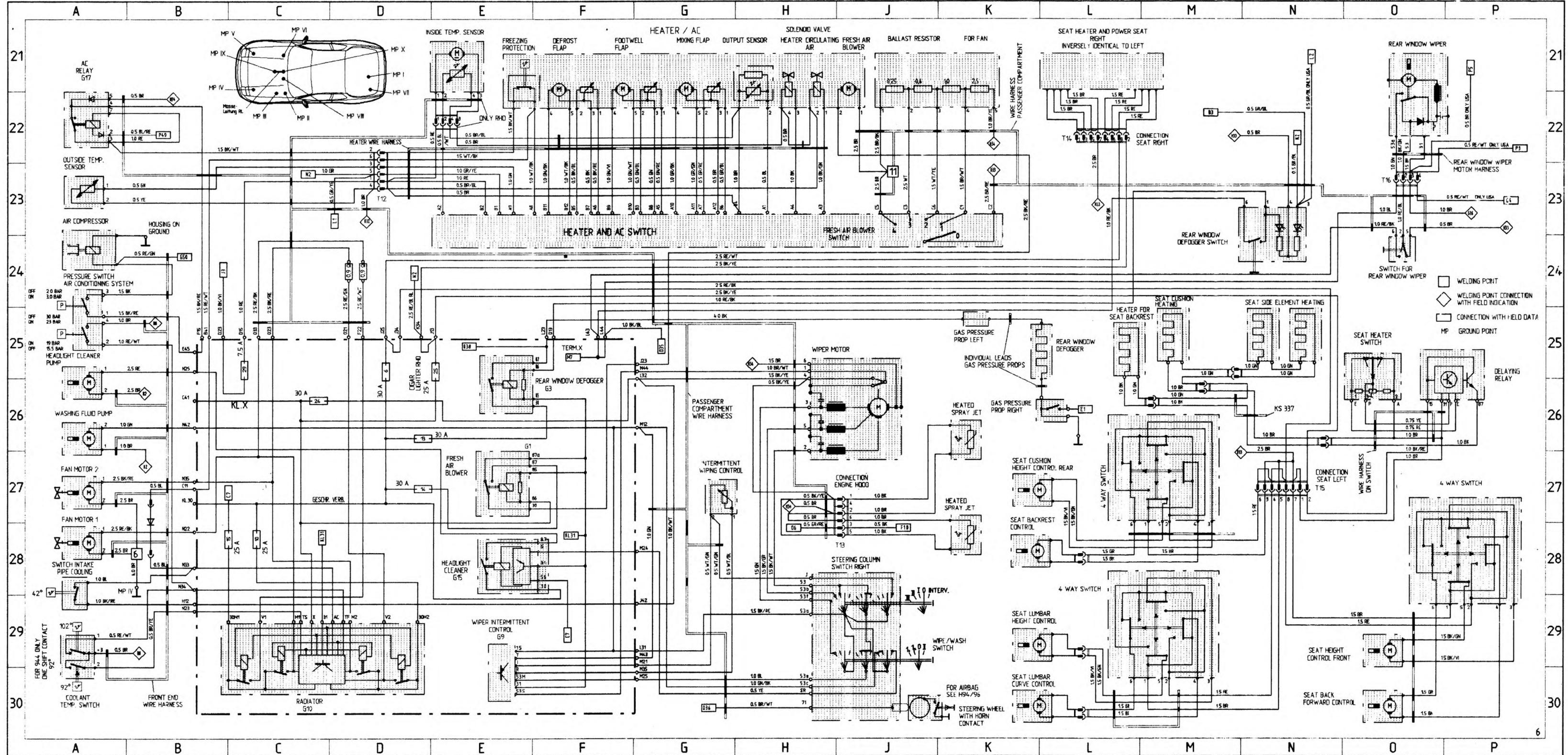
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 6**

**Heating, Airconditioning, Ventilating, Power Seats  
Wipe- and Wash Cleaners**

Coordinates

21 - 30

HEATING, AIR CONDITIONING, VENTILATING, POWER SEATS, WIPE- AND WASH CLEANERS



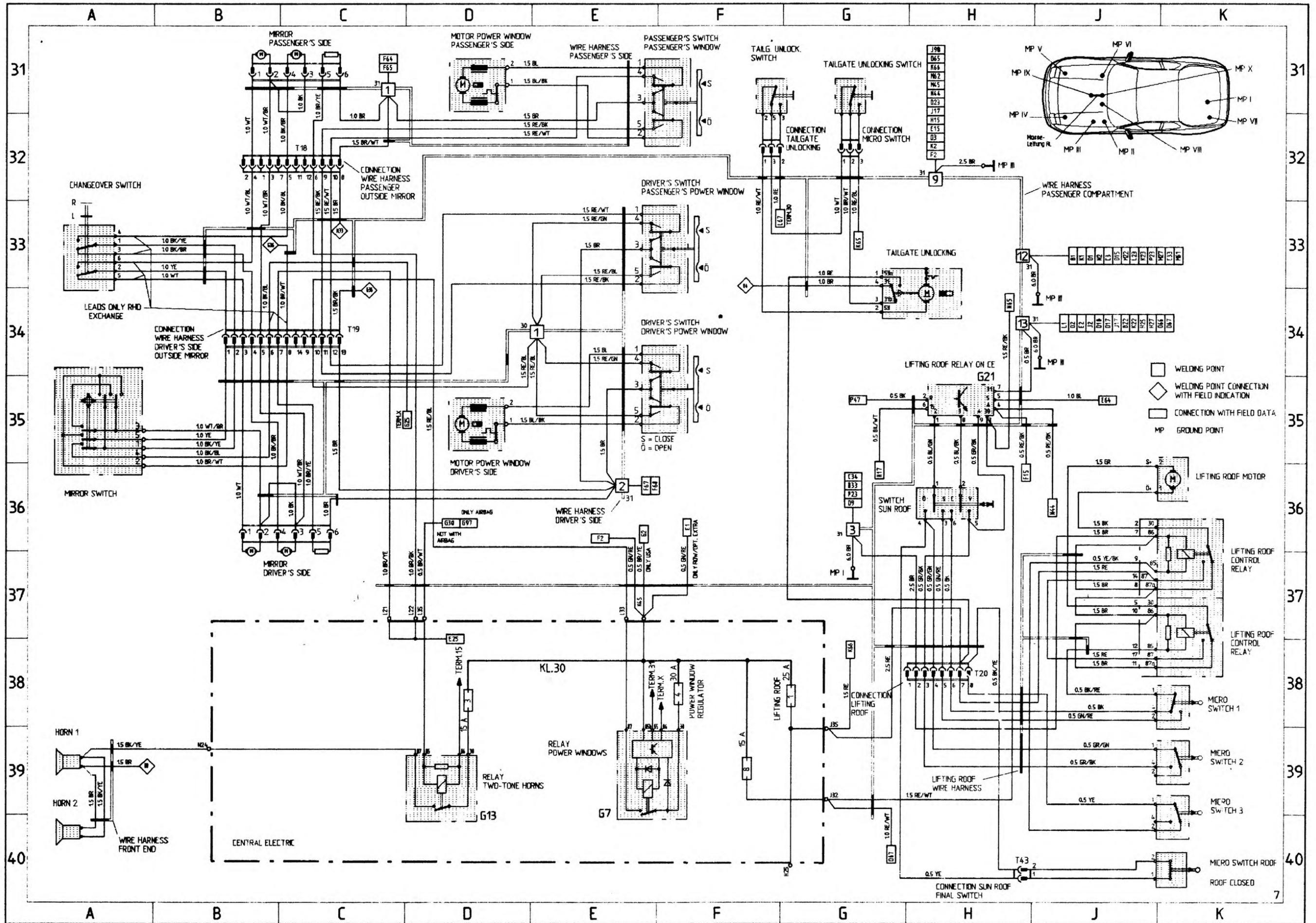
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 7**

**Two-Tone Horns, Mirrors, Lifting Roof, Power Window Regulator  
Tailgate Unlocking**

Coordinates

31 - 40

TWO-TONE HORNS, MIRRORS, LIFTING ROOF, POWER WINDOW REGULATOR, TAILGATE UNLOCKING



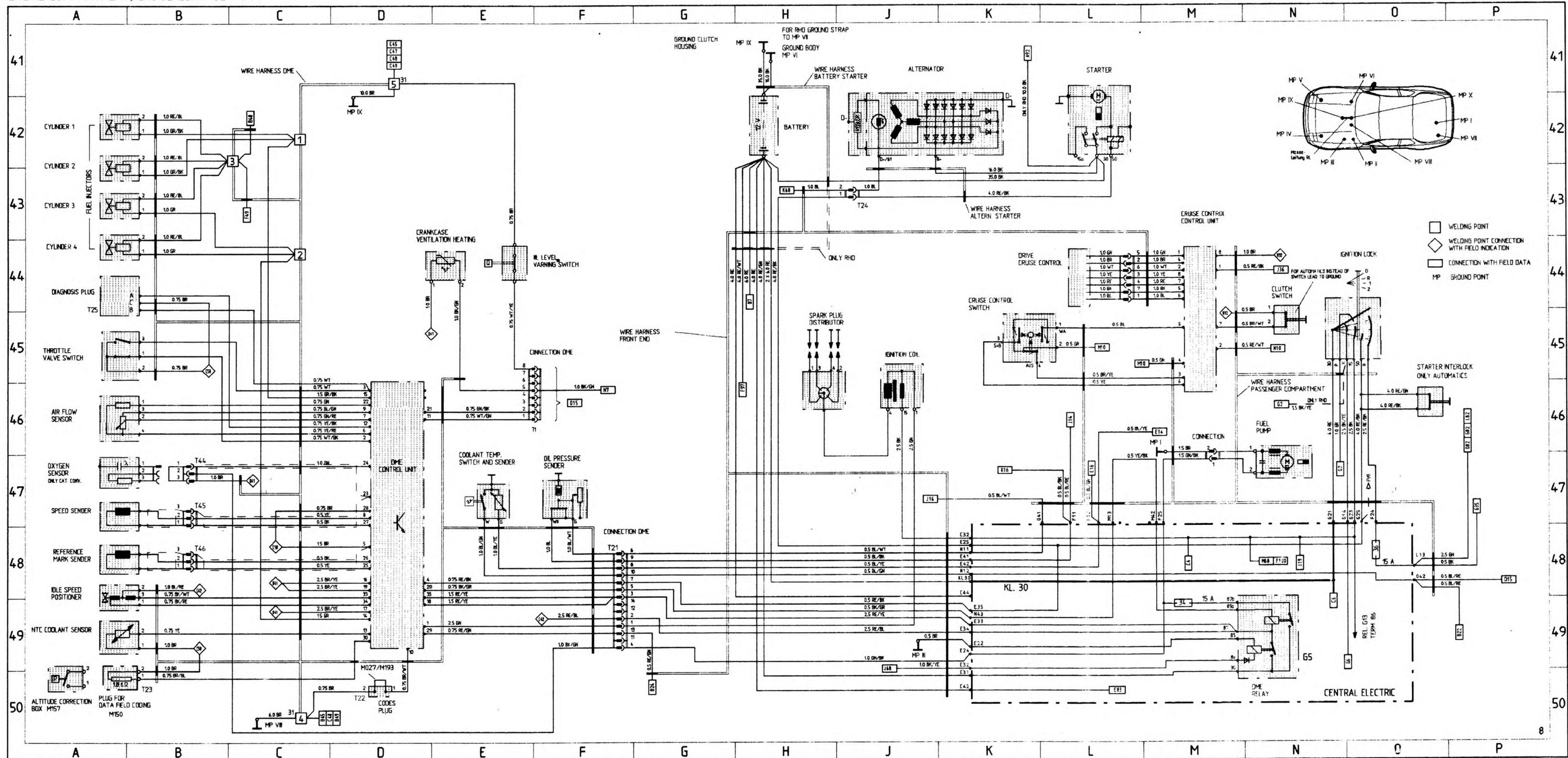
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 8**

**Engine Compartment, Cruise Control – 944**

Coordinates

41 - 50

ENGINE COMPARTMENT, CRUISE CONTROL - 944



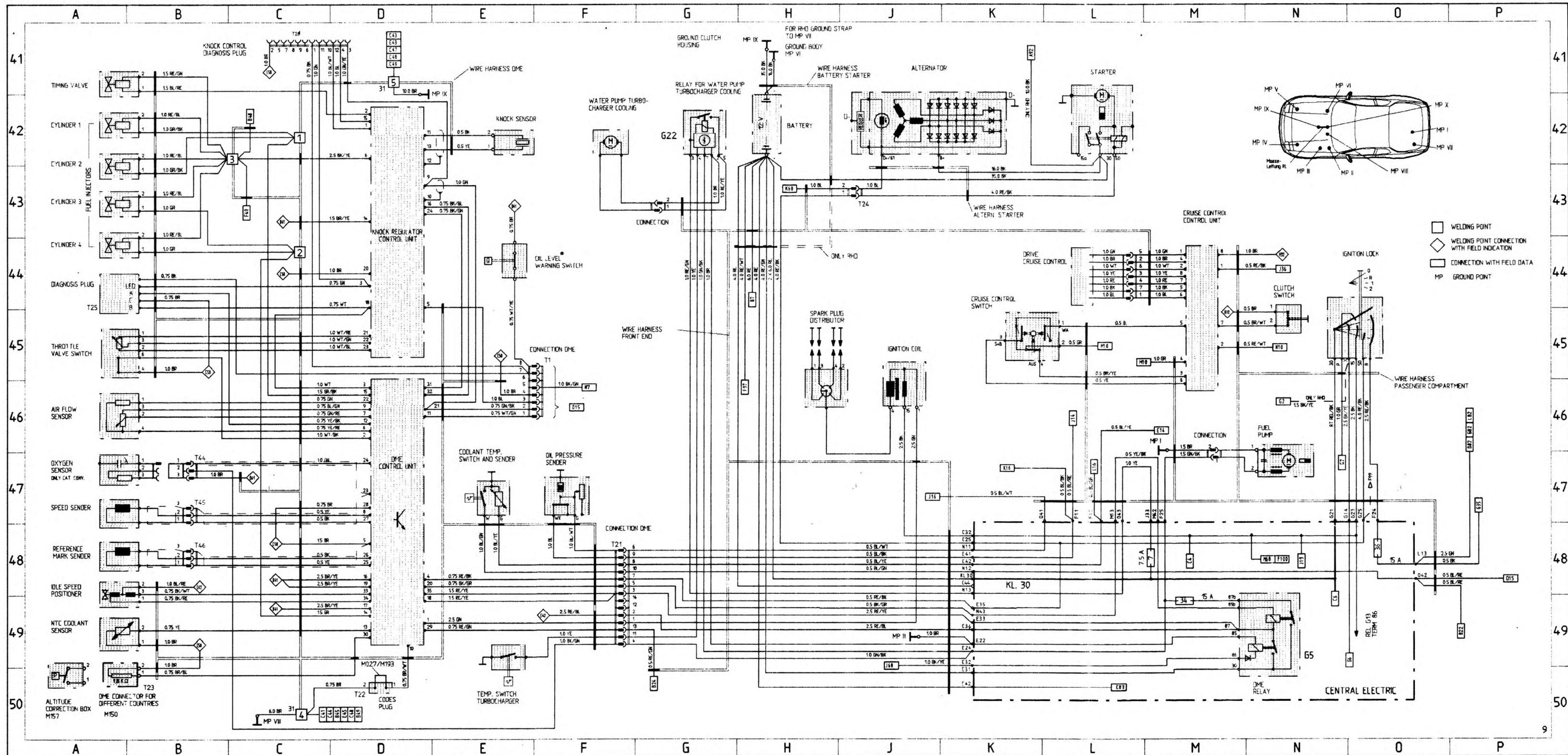
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 9**

**Engine Compartment, Cruise Control – 944 Turbo**

Coordinates

41 - 50

ENGINE COMPARTMENT, CRUISE CONTROL - 944 turbo



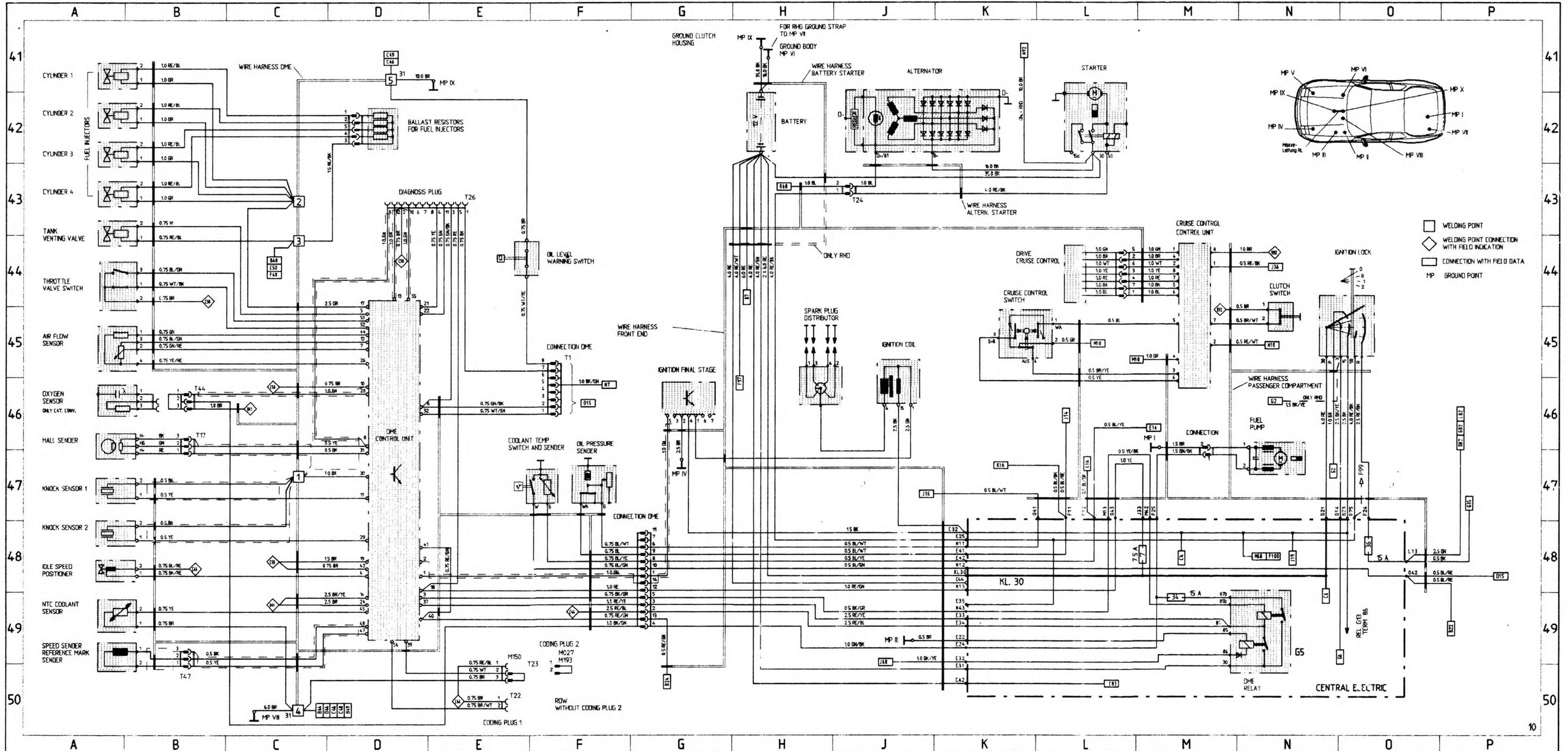
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 10**

**Engine Compartment, Cruise Control 4-Valve Engine**

Coordinates

41 - 50

ENGINE COMPARTMENT, CRUISE CONTROL 4-VALVE ENGINE



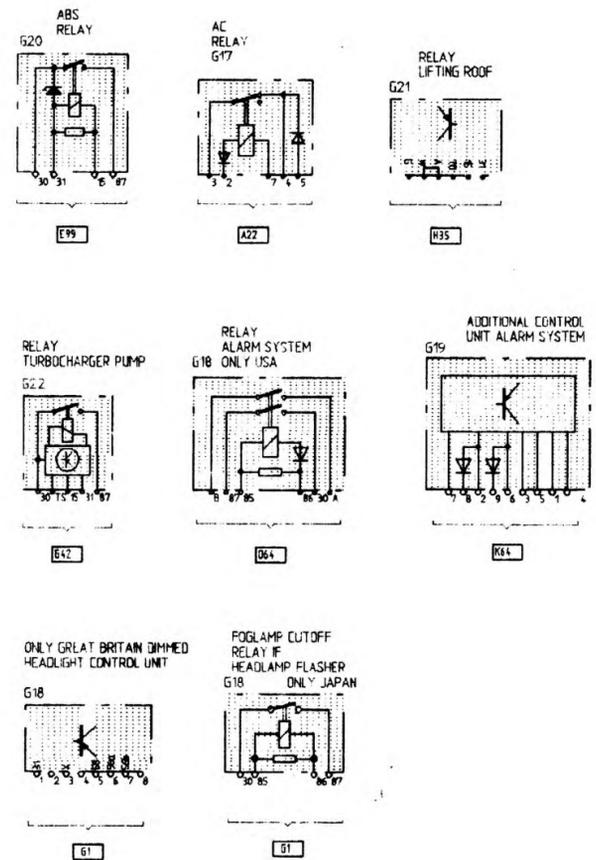
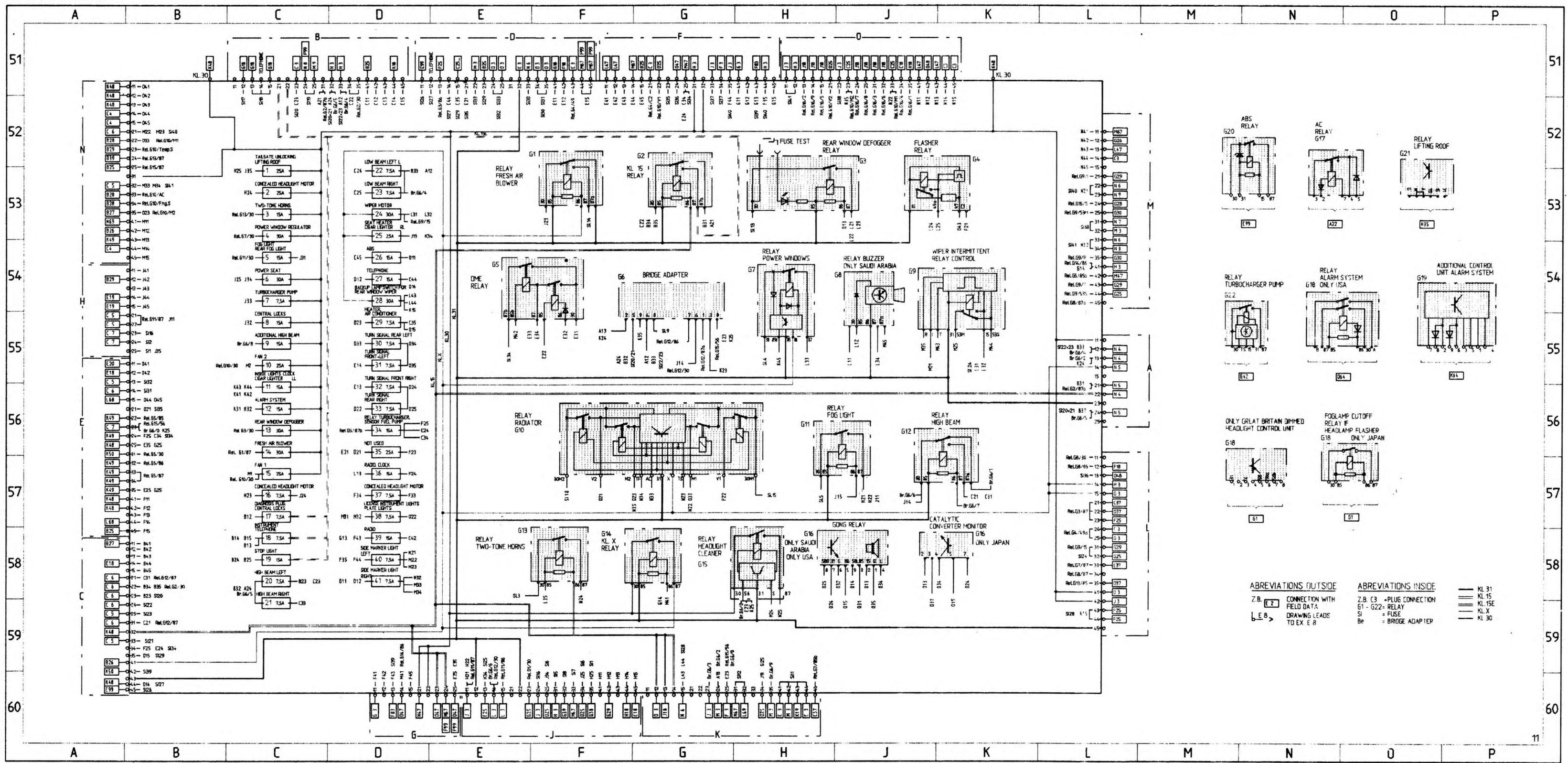
# Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 11

Central Electric

Coordinates

51 - 60

CENTRAL ELECTRIC



**ABBREVIATIONS OUTSIDE**  
 Z.B. E CONNECTION WITH FIELD DATA  
 L E B DRAWING LEADS TO EX E 8

**ABBREVIATIONS INSIDE**  
 Z.B. E3 - PLUG CONNECTION  
 E1 - G22- RELAY  
 SI - FUSE  
 Be - BRIDGE ADAPTER

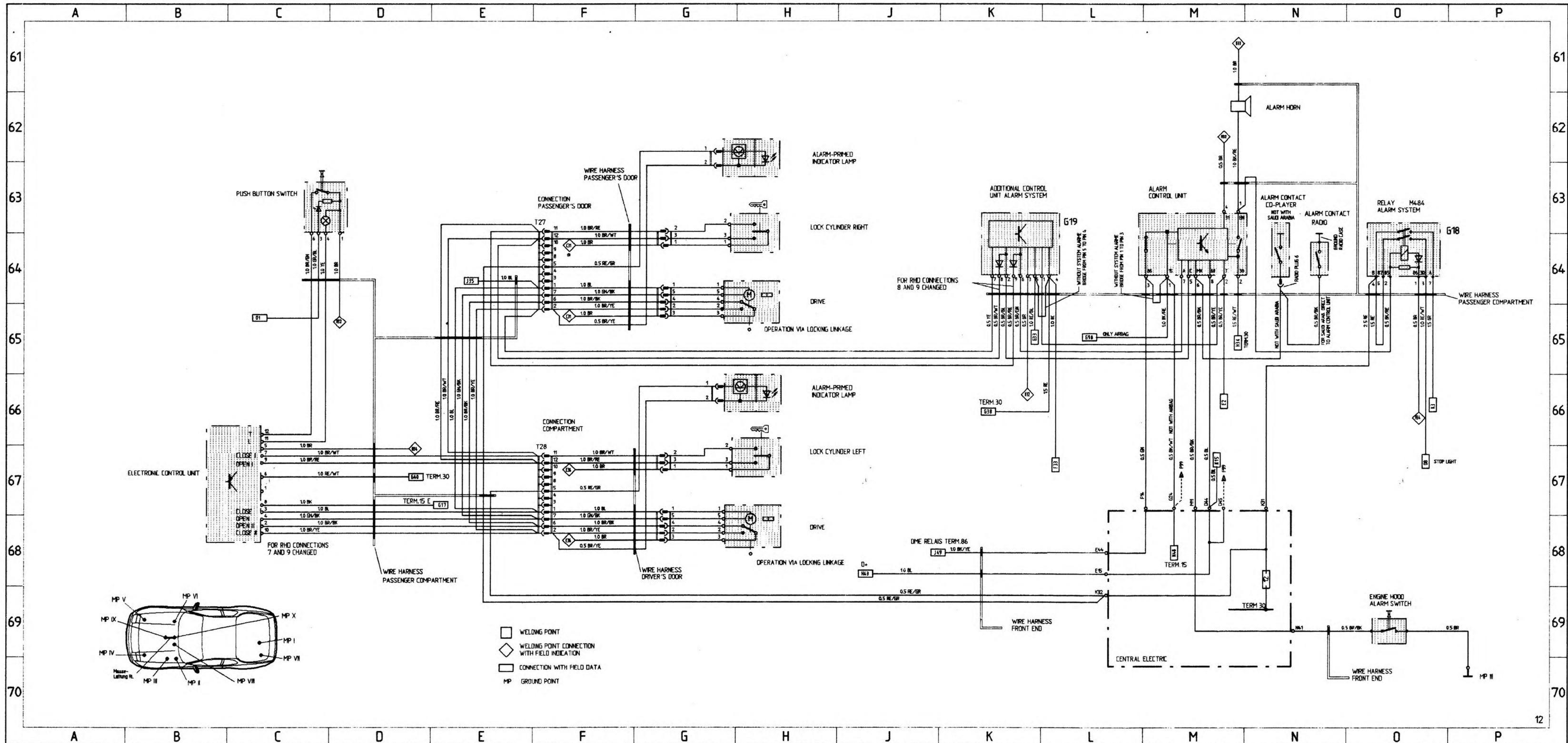
# Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 12

## Central Locks, Alarm System

Coordinates

61 - 70

CENTRAL LOCKS, ALARM SYSTEM



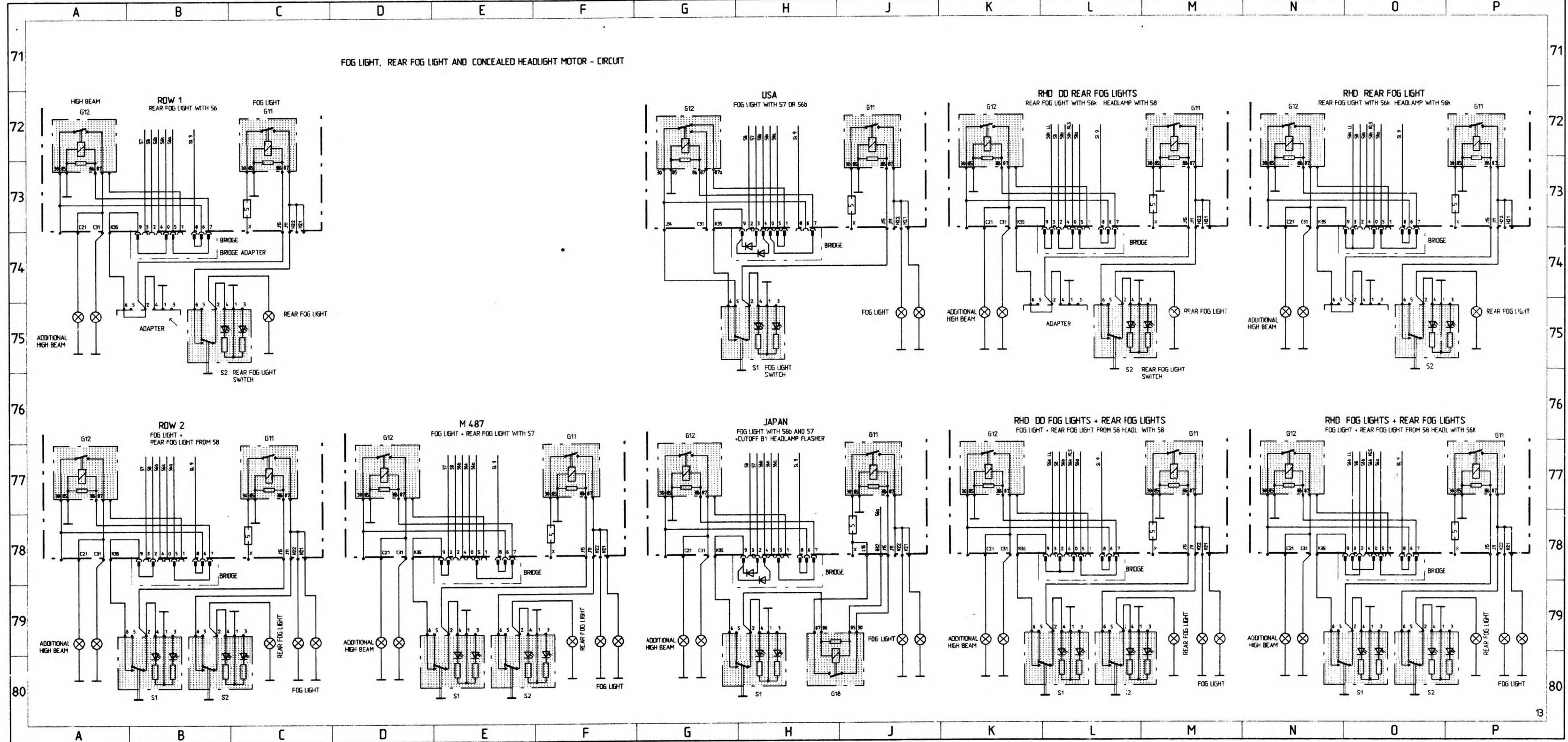
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 13**

**Fog Light, Rear Fog Light**

Coordinates

71 - 80

FOG LIGHT, REAR FOG LIGHT



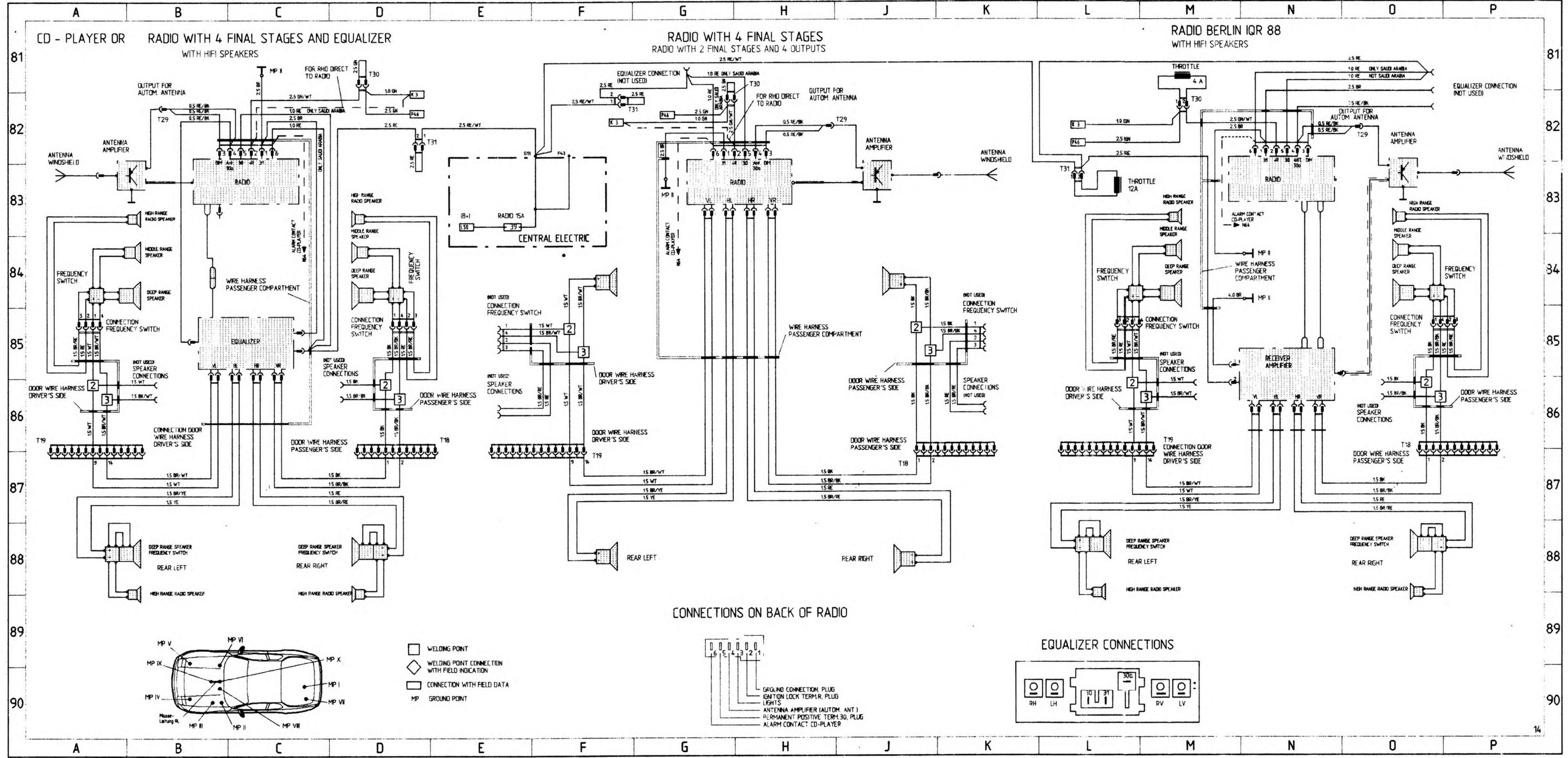
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 14**

**Radio**

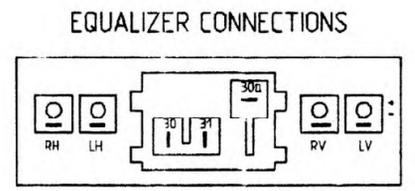
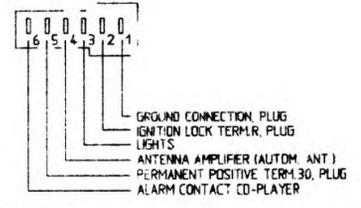
Coordinates

81 - 90

RADIO



- WELDING POINT
- ◇ WELDING POINT CONNECTION WITH FIELD INDICATION
- ▭ CONNECTION WITH FIELD DATA
- MP GROUND POINT



BK = BLACK WT = WHITE RE = RED GN = GREEN YE = YELLOW GR = GREY BR = BROWN BL = BLUE VI = VIOLET

# Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 15

**ABS, Airbag**

Coordinates

91 - 100



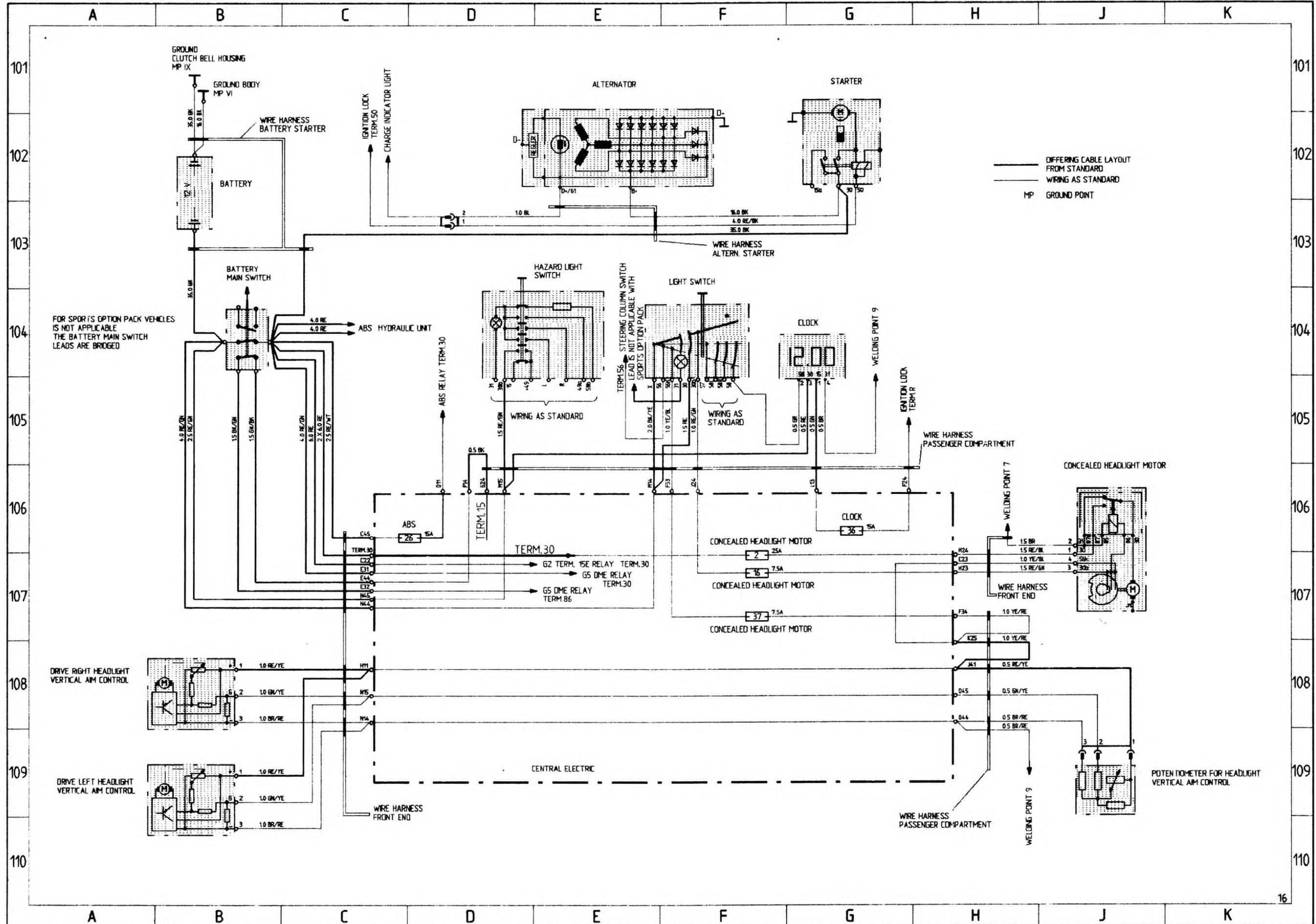
# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 16**

**Differing Cable Layout for LHD**

Coordinates

101 - 110

DIFFERING CABLE LAYOUT FOR LHD



# Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 17

Differing Cable Layout for RHD

Coordinates

111 - 120



# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 18**

**Construction Components**

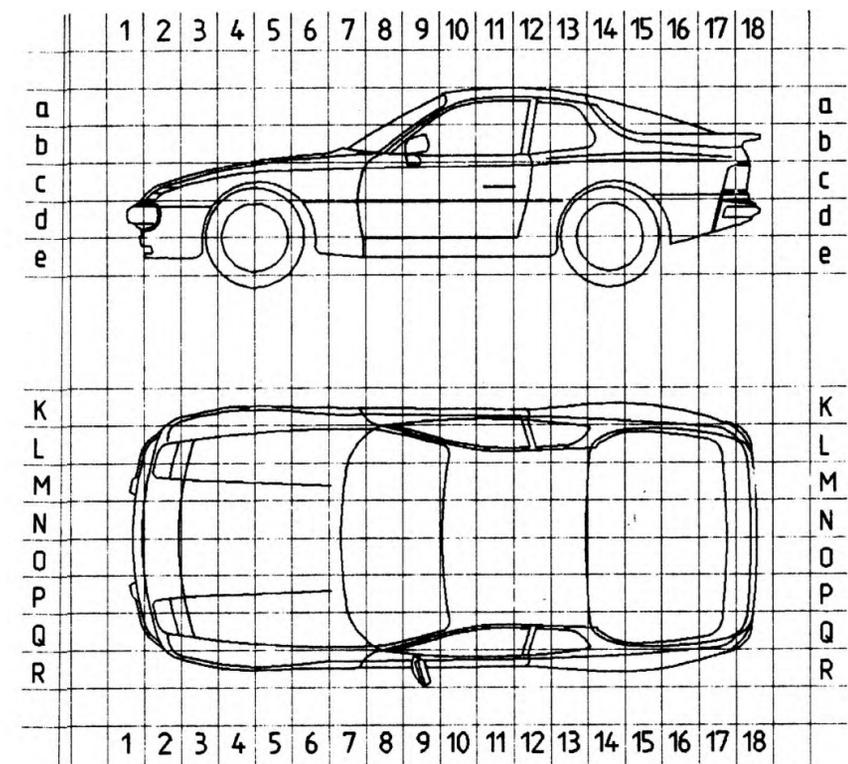
CONSTRUCTION COMPONENTS

CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRE DIAGRAM
	LHD	RHD		
AIRBAG PASSENGER'S SIDE	9bM		ABOVE GLOVE BOX	F93
AIRBAG DRIVER'S SIDE	9bP		IN STEERING WHEEL	F94
ALARM HORN	7bL	7bL	IN WATER BOX	N62
STARTER INTERLOCK	8dD	8dD	ONLY AUTOMATIC ON SELECTOR LEVER	P46
ALARM SWITCH ENGINE HOOD	7bP	7bP	FIRE WALL LEFT	O69
ANTENNA AMPLIFIER	7cL	7cL	IN FOOTWELL, RIGHT SIDE	A/J/OB3
OUTSIDE TEMP. SENSOR	6cN	6cN	IN HEATER BOX	A23
BATTERY	6cL		IN WATER BOX	H42
BATTERY		16cR	IN BOHLMANN COMPARTMENT	H42
REFERENCE MARK SENDER	6cN	6cN	ABOVE FLYWHEEL	A48/A49
BRAKE FLUID LEVEL CONTROL SWITCH	6cP	6cM	IN BRAKE FLUID RESERVOIR	B19
STOP LIGHT SWITCH	7dP	7dM	TO FOOT CONTROLS	O8
CODES PLUG	7dM	7dP	IN PASSENGER'S FOOTWELL	E/F50
DIAGNOSIS PLUG	7dM	7dP	IN PASSENGER'S FOOTWELL	A44
SPEED SENDER	6cN	6cN	ABOVE FLYWHEEL	A47/A49
THROTTLE VALVE SWITCH	4/5cD	4/5cD	ON THROTTLE VALVE ASSEMBLY	A45
THROTTLE RADIO	8cP		ONLY RADIO BERLIN UNDER THE STEERING COLUMN	M81
THROTTLE AMPLIFIER	8cP		ONLY RADIO BERLIN UNDER THE STEERING COLUMN	M83
PRESSURE SWITCH AIR CONDITIONING SYSTEM	3dD	3dD	IN ENGINE COMPARTMENT FRONT LEFT	A24/25
RECEIVER AMPLIFIER	8cP		ONLY RADIO BERLIN UNDER THE STEERING COLUMN	N85
STEPPED SWITCH	8dD	8dD	ON SELECTOR LEVER	K13
CRASH SENSOR LEFT	7cD		INSIDE FIREWALL LEFT	G94
CRASH SENSOR RIGHT	7cL		INSIDE FIREWALL RIGHT	G92
GAS PRESSURE PROP LEFT	15bD	15bD	ON TAILGATE	K25
GAS PRESSURE PROP RIGHT	15bL	15bL	ON TAILGATE	L26
GENERATOR	3cD	3cD	ON ENGINE	J42
SEAT BELT CONTACT	10dD	10dN	TO BELT BUCKLE	B15
HALL SENDER	14dD	14dD	ON GEARBOX	M16
HALL SENDER F. CYL.1 RECOGNITION	3cM	3cM	ONLY 944 4-VALVE IN TOOTHED BELT HOUSING OVER	A46
PARKING BRAKE CONTACT	9dR	9dK	ON HAND BRAKE LEVER	B15
TAILGATE UNLOCKING	18cM	18cM	IN LUGGAGE COMPARTMENT AT END-PANEL	G33
LIFTING ROOF MOTOR W. CONTROL RELAY, MICRO SWITCH	16dD	16dD	IN BOHLMANN COMPARTMENT	K36/37/38
HORN 1	2dD	2dD	MUDGUARD FRONT LEFT	A39
HORN 2	2dD	2dD	MUDGUARD FRONT LEFT	A40
ALTITUDE CORRECTION BOX	7dM		IN PASSENGER'S FOOTWELL	A50
HORN CONTACT FOR AIRBAG	9bP		ON STEERING WHEEL	H95
HYDRAULIC UNIT	7dK	7dK	IN MUDGUARD	D/E92
INSIDE TEMP. SENSOR BLOWER	8cM	8cP	IN CONTROL PANEL AREA	E21
CONCEALED HEADLIGHT MOTOR	3cM	3cM	IN ENGINE COMPARTM. BEHIND RIGHT CONCEALED HEADL.	A9/A8
AIR COMPRESSOR	3dD	3dD	ON ENGINE	A24
KNOCK SENSOR	5cN	5cN	ON ENGINE BLOCK	E42
CONTACT UNIT	9bP		ON STEERING WHEEL	H94
FUEL PUMP	15dL	15dL	ON BASE REAR RIGHT	N47
CLUTCH SWITCH	7dP	7dM	TO FOOT CONTROLS	N45
CRANKCASE VENTILATION HEATER	6cD	6cD	ONLY 944 2-VALVE ENGINE COMPARTMENT	E44
COOLING WATER TEMPERATURE SWITCH	2dP	2dP	ON RADIATOR	A29

CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRE DIAGRAM
	LHD	RHD		
OXYGEN SENSOR	8eN	8eM	IN FRONT OF CATALYZER	A47
IDLE SPEED POSITIONER	5cD	5cD	ENGINE COMPARTMENT	A48
AIR FLOW SENSOR	3cP	3cP	ENGINE COMPARTMENT	A46
FAN MOTOR 1	3cN	3cN	ON RADIATOR	A28
FAN MOTOR 2	3cN	3cN	ON RADIATOR	A27
MICRO SWITCH ROOF CLOSED	10dD	10dD	IN ROOF	K40
ENGINE COMPARTMENT LIGHT	5bP	5bP	ON ENGINE HOOD	E10
MOTOR POWER WINDOW PASSENGER'S SIDE	9dK	9dR	IN PASSENGER'S DOOR	D31
MOTOR POWER WINDOW DRIVER'S SIDE	9dR	9dK	ON DRIVER'S DOOR	D35
OIL PRESSURE SENDER AND SWITCH	3dM	3dM	ON ENGINE BLOCK BELOW OIL FILTER	F47
OIL LEVEL WARNING SWITCH	6eN	6eN	UNDER THE ENGINE ON OIL PAN	E44
BACKUP LIGHT SWITCH	15dD	15dD	ON GEARBOX	O7
SWITCH TAILGATE UNLOCKING	7dQ	7dL	IN DRIVER'S FOOTWELL	F31
SWITCHING DEVICE, REDUCED DRIVING LIGHT		8cM	ON STEERING COLUMN	G1
LOCK CYLINDER LEFT	11cB	11cB	DOOR HANDLE LEFT	H67
LOCK CYLINDER RIGHT	11cK	11cK	DOOR HANDLE RIGHT	H64
TAILGATE UNLOCKING SWITCH	18bN	18bN	ON TAILGATE LOCK	G31
HEADLIGHT CLEANER PUMP	3dL	3dL	IN ENGINE COMP. LOW ON WINDSHIELD WASHER TANK	A26
STARTER	7cN	7cN	ON CLUTCH BELL HOUSING	L42
DRIVE LEFT HEADLIGHT VERTICAL AIM CONTROL	2cP	2cP	ON HEADLIGHT LEFT	A7
DRIVE RIGHT HEADLIGHT VERTICAL AIM CONTROL	2cM	2cM	ON HEADLIGHT RIGHT	A4
DRIVE LEFT CENTRAL LOCK	11cR	11cR	IN DOOR LEFT	H68
DRIVE RIGHT CENTRAL LOCK	11cK	11cK	IN DOOR RIGHT	H65
DRIVE CRUISE CONTROL	6cL	6cL	ENGINE COMPARTMENT	L44
CONTROL UNIT ABS	7cL	7cL	IN FOOTWELL, RIGHT SIDE	A95-97
CONTROL UNIT AIRBAG	6cM		IN PASSENGER'S FOOTWELL	K93-95
CONTROL UNIT ALARM SYSTEM	6dM	6dP	IN PASSENGER'S FOOTWELL	M64
CONTROL UNIT DME	6dM	6dP	IN PASSENGER'S FOOTWELL	D47
CONTROL UNIT KNOCK REGULATOR	6dM	6dP	ONLY 951/952 IN PASSENGER'S FOOTWELL	D44
CONTROL UNIT CRUISE CONTROL	7cR	7cR	IN LEFT FOOTWELL	M44/45
CONTROL UNIT CENTRAL LOCKS	8cP	8cM	UNDER THE STEERING COLUMN	B67
BUZZER CONTACT	8cP	8cM	ON IGNITION LOCK	M18
TANK VENTING VALVE	6cD	6cD	ONLY 944 4-VALVE CAT. ENGINE COMPARTMENT	A43
FUEL LEVEL SENDER	15cN	15cN	IN FUEL TANK	B17
TEMPERATURE SENSOR FOR CATALYZER	9bN	9bN	ON CATALYZER	B18
TEMP. SWITCH TURBOCHARGER	4cD	4cD	ONLY 951/952 IN ENGINE COMPARTM. NEAR TURBOCHARG.	E50
BALLAST RESISTORS FOR FUEL INJECTORS	6cL	6cL	ONLY 944 4-VALVE ENGINE COMPARTMENT	D42
WASHING FLUID PUMP	3cL	3cL	TOP OF EXPANSION TANK IN ENGINE COMPARTMENT	A26
COOLANT TEMP. SWITCH AND SENDER	4dP	4dP	ON ENGINE BLOCK	E47
NTC COOLANT SENSOR	4cD	4cD	ON ENGINE BLOCK	A49
WATER PUMP TURBO-CHARGER COOLING	4cP	4cP	ONLY 951/952 ENGINE COMPARTMENT	F42
WIPER MOTOR	7bD	7bN	IN WATER BOX	J26
CENTRAL ELECTRIC	7bD	7bD	LEFT IN WATER BOX	A51-P60
IGNITION FINAL STAGE	3dD	3dD	ONLY 944 4-VALVE ENGINE COMPARTMENT	G46
IGNITION COIL	3cL	3cL	WHEEL HOUSING RIGHT FRONT	J46



# **Wiring Diagram Type 944, 944 turbo 944 S Model 89 Sheet 19**

**Plug Connections and Ground Points**

PLUG CONNECTIONS AND GROUND POINTS

PLUG CONNECTIONS

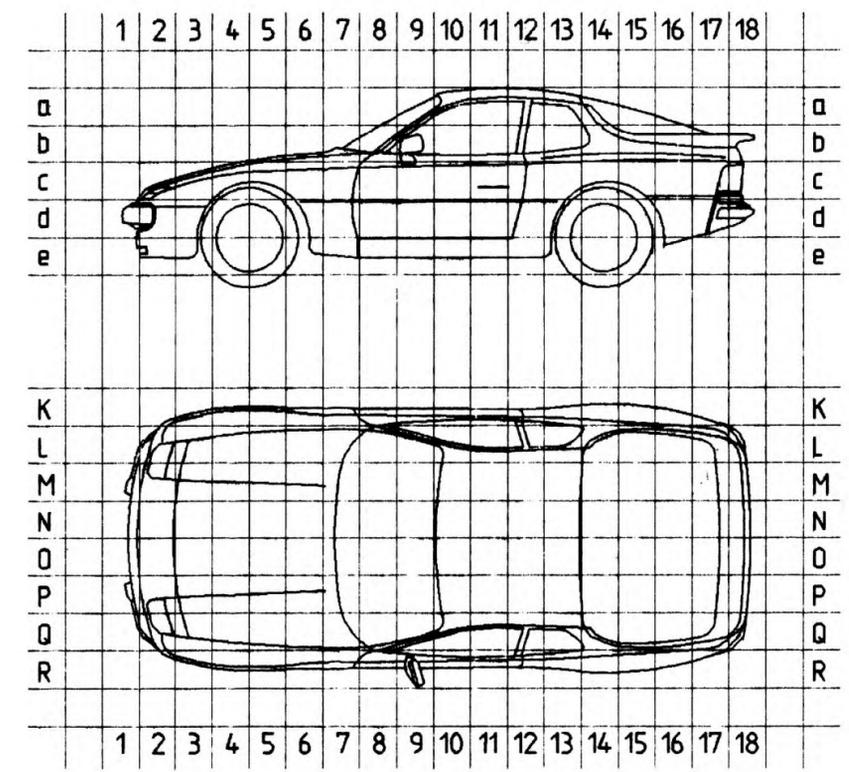
CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRE DIAGRAM
			LHD	RHD		
T1	8	WIRE HARNESS / PASSENGER COMPARTMENT	6dM	6dP	IN PASSENGER'S FOOTWELL	D15, E46, F46
T2	2	CONTACT BRIDGE REAR FOG LIGHT	7cQ	7cQ	UNDER THE CENTRAL ELECTRIC	L3
T3	8	SWITCH RANGE INDICATOR / WH PASSENGER COMP.	9cD/N	9cD/N	IN CENTRE CONSOLE	K12
T4	2	BRAKE PAS WEAR CONTACT FRONT RIGHT / COMBINATION LEAD	5dL	5dL	LOW ON SHOCK ABSORBER	A15
T5	2	COMB. LEAD RIGHT / WH FRONT (BVA)	6cL	6cL	ENGINE COMPARTMENT	A16
T6	2	COMB. LEAD LEFT / WH FRONT (BVA)	6cQ	6cQ	ENGINE COMPARTMENT	A18
T7	2	BRAKE PAS WEAR CONTACT FRONT LEFT / COMBINATION LEAD	5dQ	5dQ	LOW ON SHOCK ABSORBER	A19
T8	2	BRAKE PAS WEAR CONTACT REAR RIGHT / COMBINATION LEAD	14dL	14dL	ON SEMI-TRAILING ARM	P15
T9	2	COMB. LEAD RIGHT / WH PASSENGER COMP.	15dM	15dM	ABOVE DRIVE SHAFTS ON	P16
T10	2	COMB. LEAD LEFT / WH PASSENGER COMP.	15dP	15dP	LUGGAGE COMPARTMENT PANEL	P18
T11	2	BRAKE PAS WEAR CONTACT REAR LEFT / COMBINATION LEAD	14dQ	14dQ	ON SEMI-TRAILING ARM	P19
T12	6	WH HEATER, AIR CONDITIONING, PASSENGER COMP.	7cD/N	7cD/N	IN CONTROL PANEL AREA	D23
T13	6	WH PASSENGER COMPARTMENT / ENGINE HOOD	6dP	6dP	IN ENGINE HOOD	J27
T14	8	POWER ADJUSTABLE SEAT RIGHT / WH PASSENGER COMPARTM.	11eM	11eM	LOW ON SEAT	L22
T15	8	POWER ADJUSTABLE SEAT LEFT / WH PASSENGER COMPARTM.	11eP	11eP	LOW ON SEAT	N27
T16	4	REAR WINDOW WIPER, HIGH MOUNTED STOPLIGHT / WH PASS. COMP.	14cQ	14cQ	BEHIND C-PILLAR	O23
T17	3	HALL SENDER / DME	6cN	6cN	ON ENGINE REAR ONLY 944 4-VALVE	B46
T18	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	IN PASSENGER'S FOOTWELL	BC32, DKP87
T19	14	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	IN DRIVER'S FOOTWELL	BC34, AFL87
T20	8	WIRE HARNESS SUN ROOF / PASSENGER COMPARTMENT	16dQ	16dQ	IN BOHLMANN COMPARTMENT	H38
T21	14	WIRE HARNESS DME / WIRE HARNESS FRONT	6cP	6cP	ENGINE COMPARTMENT	F48/49
T22	2	CODING PLUG / DME	6dM	6dP	IN PASSENGER'S FOOTWELL	D50, F50
T23	2	PLUG FOR DATA FIELD CODING / DME	6dM	6dP	IN PASSENGER'S FOOTWELL	A50, EF50
T24	2	WH ALTERN. STARTER / WH FRONT	6cQ	6cQ	ENGINE COMPARTMENT	J43
T25	5	DIAGNOSIS PLUG FOR IDLE SPEED POSITIONER	6cP	6cP	ONLY 944/951 ENGINE COMPARTMENT	AB44
T26	12	DIAGNOSIS PLUG KNOCK REGULATOR	6dL	6dQ	NOT 944, IN PASSENGER'S FOOTWELL	C41, D43
T27	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	IN PASSENGER'S FOOTWELL	F64
T28	12	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	IN DRIVER'S FOOTWELL	F67
T29	1	ANTENNA AMPLIFIER / WH PASSENGER COMP.	7cQ	7cQ	BEHIND THE RADIO	B82, H82, O82
T30	2	THROTTLE FOR RADIO / OR CONTACT BRIDGE	8cP	—	UNDER THE STEERING COLUMN	D81, M82, G82
T31	2	THROTTLE FOR AMPLIFIER / OR CONTACT BRIDGE	8cP	—	UNDER THE STEERING COLUMN	D82, L83, F82
T32	2	WH ABS / COMBINATION LEAD FR	6cL	6cL	ENGINE COMPARTMENT	B98
T33	2	WH ABS / COMBINATION LEAD FL	6cQ	6cQ	ENGINE COMPARTMENT	B98
T34	2	WH ABS / COMBINATION LEAD RL	15dP	15dP	ABOVE DRIVE SHAFTS	B98
T35	2	WH ABS / COMBINATION LEAD RR	15dM	15dM	ON LUGGAGE COMPARTMENT PANEL	B98
T36	2	COMB. LEAD FR / ABS-SENSOR FR	5dL	5dL	LOW ON SHOCK ABSORBER	B98
T37	2	COMB. LEAD FL / ABS-SENSOR FL	5dQ	5dQ	LOW ON SHOCK ABSORBER	B98
T38	2	COMB. LEAD RL / ABS-SENSOR RL	14dQ	14dQ	ON SEMI-TRAILING ARM	B98
T39	2	COMB. LEAD RR / ABS-SENSOR RR	14dL	14dL	ON SEMI-TRAILING ARM	B98
T40	4	WH PASSENGER COMPARTMENT / WH ABS	6dM	6dM	IN FOOTWELL, RIGHT SIDE	F96
T41	7	WH PASSENGER COMPARTMENT / WH AIRBAG	6dM	—	IN PASSENGER'S FOOTWELL	H97
T42	3	DIAGNOSIS PLUG AIRBAG	6cM	—	IN PASSENGER'S FOOTWELL	J96
T43	2	MICRO SWITCH SUN ROOF / WH PASSENGER COMPARTMENT	10aD	10aD	IN ROOF	H40
T44	3	OXYGEN SENSOR / DME	6cN	6cN	ON ENGINE REAR	B46/47
T45	3	SPEED SENDER / DME	6cN	6cN	ON ENGINE REAR NOT 944 4-VALVES	B47
T46	3	REFERENCE MARK SENDER / DME	6cN	6cN	ON ENGINE REAR NOT 944 4-VALVES	B48
T47	3	SPEED-REFERENCE MARK SENDER / DME	6cN	6cN	ON ENGINE REAR ONLY 944 4-VALVE	B49

GROUND POINTS

CODE	DESIGNATION, FUNCTION	POSITION IN VEHICLE	
		LHD	RHD
MP I	COVER PANEL	18cQ	18cQ
MP II	INSIDE FIREWALL ELECTRONICS CHASSIS	7cP	7cP
MP III	INSIDE FIREWALL CABLE TO GROUND	7cP	7cP
MP IV	LONGITUDINAL SUPPORT	3dP	3dP
MP V	LONGITUDINAL SUPPORT	3dM	3dM
MP VI	BODY BATTERY LHD	6cL	—
MP VII	BODY BATTERY RHD	—	16cQ
MP VIII	ENGINE BLOCK DME ELECTRONICS CHASSIS	6cQ	6cQ
MP IX	CLUTCH BELL HOUSING BATTERY LEAD LHD → DME CABLE TO GROUND	7cQ	7cQ
MP X	BODY RHD FIREWALL	—	7cQ

M - NUMBERS

- M 027 CALIFORNIA VERSION
- M 139 SEAT HEATER SEAT LEFT WITHOUT CATALYZER
- M 150 WITHOUT CATALYZER
- M 193 JAPAN VERSION
- M 215 SAUDI-ARABIA VERSION
- M 249 AUTOMATIC TRANSMISSION
- M 288 HEADLIGHT CLEANERS
- M 340 SEAT HEATER SEAT RIGHT
- M 383 SPORT SEAT LEFT
- M 387 SPORT SEAT RIGHT
- M 454 CRUISE CONTROL
- M 479 AUSTRALIAN VERSION
- M 481 TRANSMISSION
- M 484 USA VERSION
- M 490 AUDIO OPTION PACK WITHOUT BOOSTER
- M 533 ALARM SYSTEM
- M 553 USA - CANADA VERSION
- M 562 AIRBAG
- M 573 AIR CONDITIONING SYSTEM
- M 593 ABS
- M 605 HEADLIGHT VERTICAL AIM CONTROL
- M 650 LIFTING ROOF
- M 900 TOURIST VEHICLES



## Wiring Diagram Type 944 turbo 944 S2 Model 90

	Coordinates	
<b>Sheet 1</b>	1 - 10	Lights ROW/SA/Japan.
<b>Sheet 2</b>	1 - 10	Lights USA
<b>Sheet 3</b>	11 - 20	Instrument Cluster and Sender ROW
<b>Sheet 4</b>	11 - 20	Instrument Cluster and Sender USA / Opt. Equipm.
<b>Sheet 5</b>	21 - 30	Heating, Airconditioning, Ventilating, Power Seats, Wipe- and Wash Cleaners
<b>Sheet 6</b>	31 - 40	Two-Tone Horns, Mirrors, Lifting Roof, Power Window Regulator, Tailgate Unlocking
<b>Sheet 7</b>	41 - 50	Engine Compartment, Cruise Control 944 Turbo
<b>Sheet 8</b>	41 - 50	Engine Compartment, Cruise Control 4-Valve Engine
<b>Sheet 9</b>	51 - 60	Central Electric
<b>Sheet 10</b>	61 - 70	Central Locks, Alarm System
<b>Sheet 11</b>	71 - 80	Fog Light, Rear Fog Light
<b>Sheet 12</b>	81 - 90	Radio
<b>Sheet 13</b>	91 - 100	ABS, Airbag
<b>Sheet 14</b>	101 - 110	Wiring 944 S2 Cabriolet
<b>Sheet 15</b>		Construction Components
<b>Sheet 16</b>		Plug Connections, Ground Points, M-Numbers

# **Wiring Diagram Type 944 turbo 944 S2 Model 90**

The wiring diagram consists of 14 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 20-pin connectors on the central-electrics box are clipped together out of 5 parts.

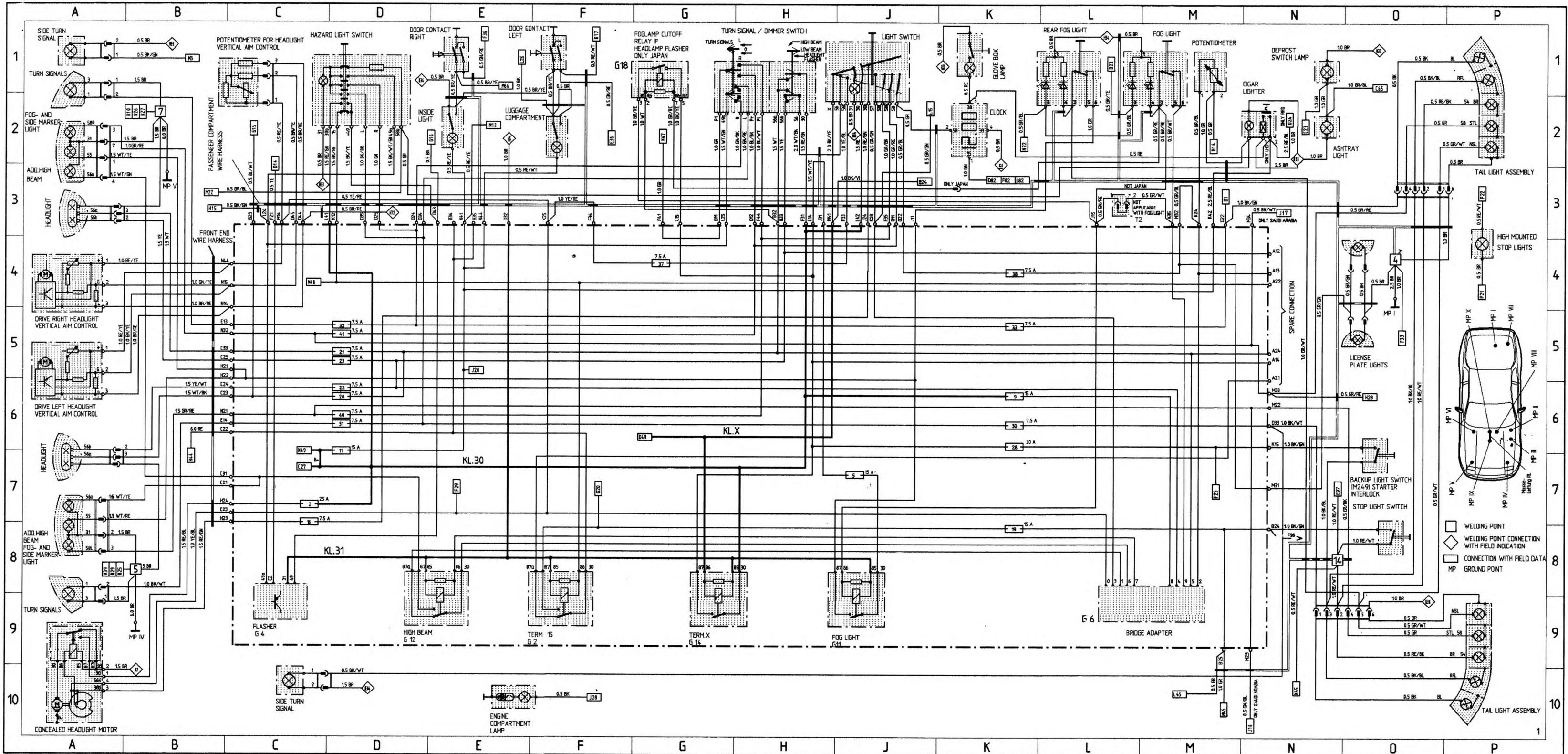
Part 1, with the moduled-on fastening lug, is the "starting element".

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

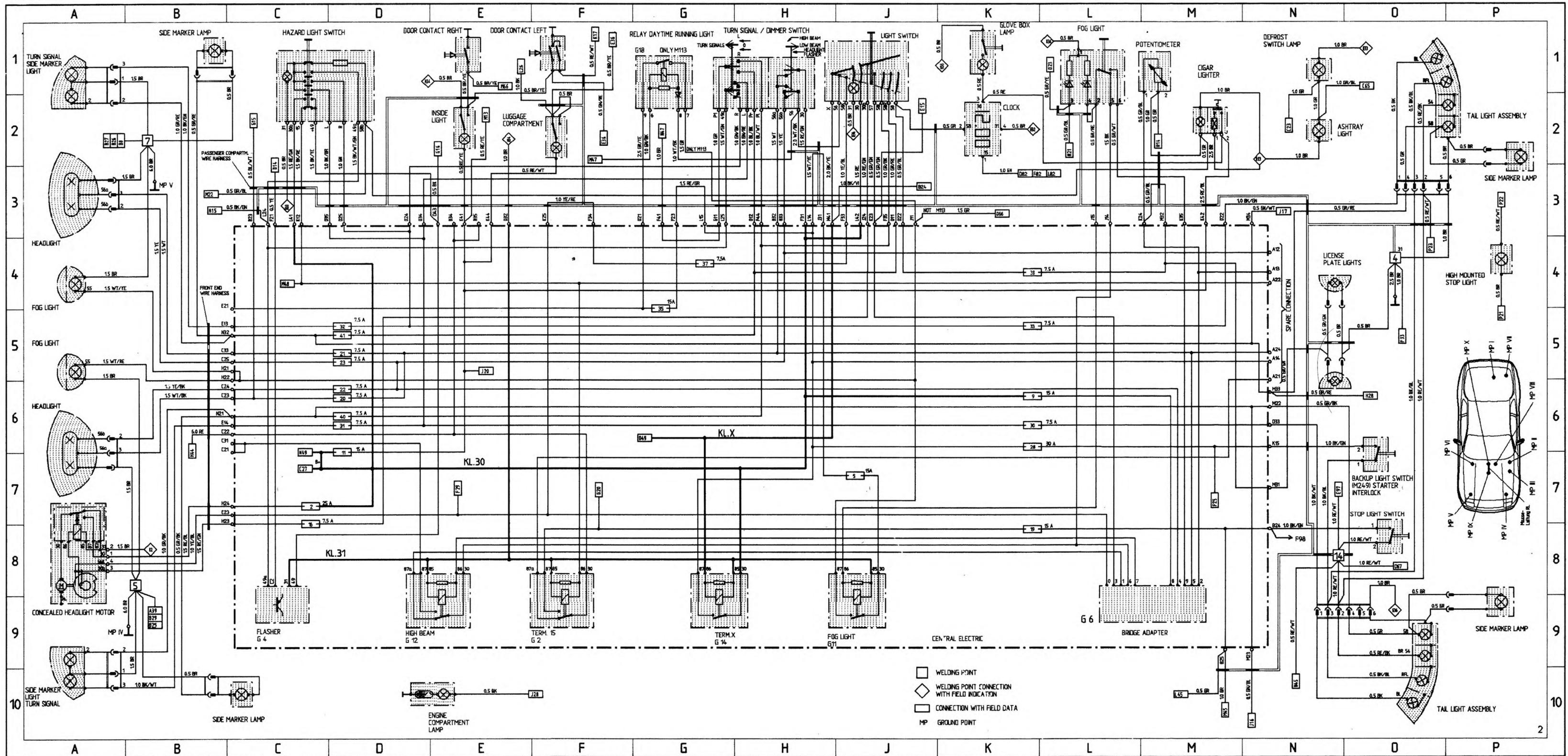
Parts 1 to 4 are identified by the numbers 1.....5.

Part 5 is a "coding element".

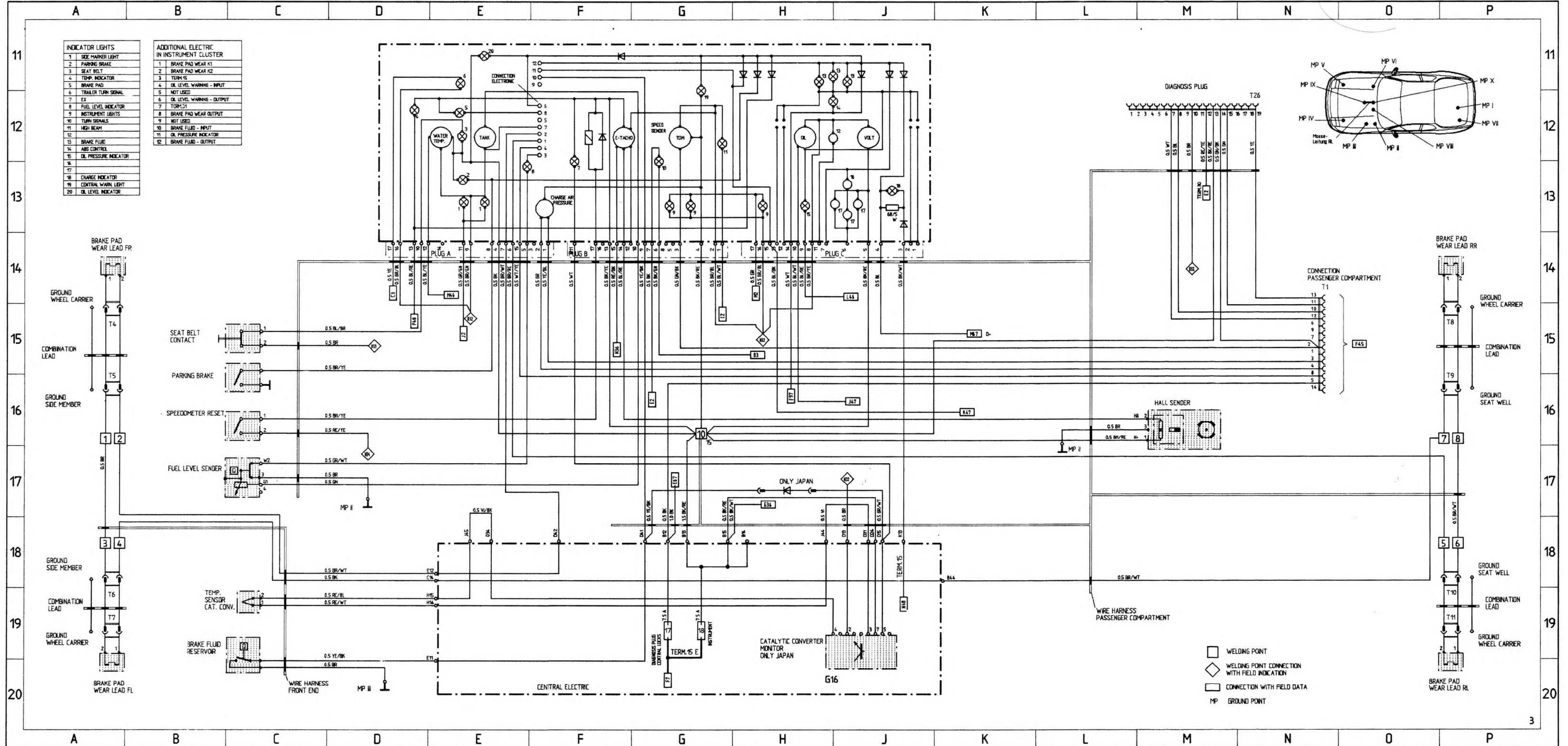
The designations of the plug connections in the wiring diagram of the central-electrics box refer to the "starting element" from, for example, B 11.....15, and to the first module element from B 21.....25.



LIGHTS USA



INSTRUMENT CLUSTER AND SENDER ROW / JAPAN

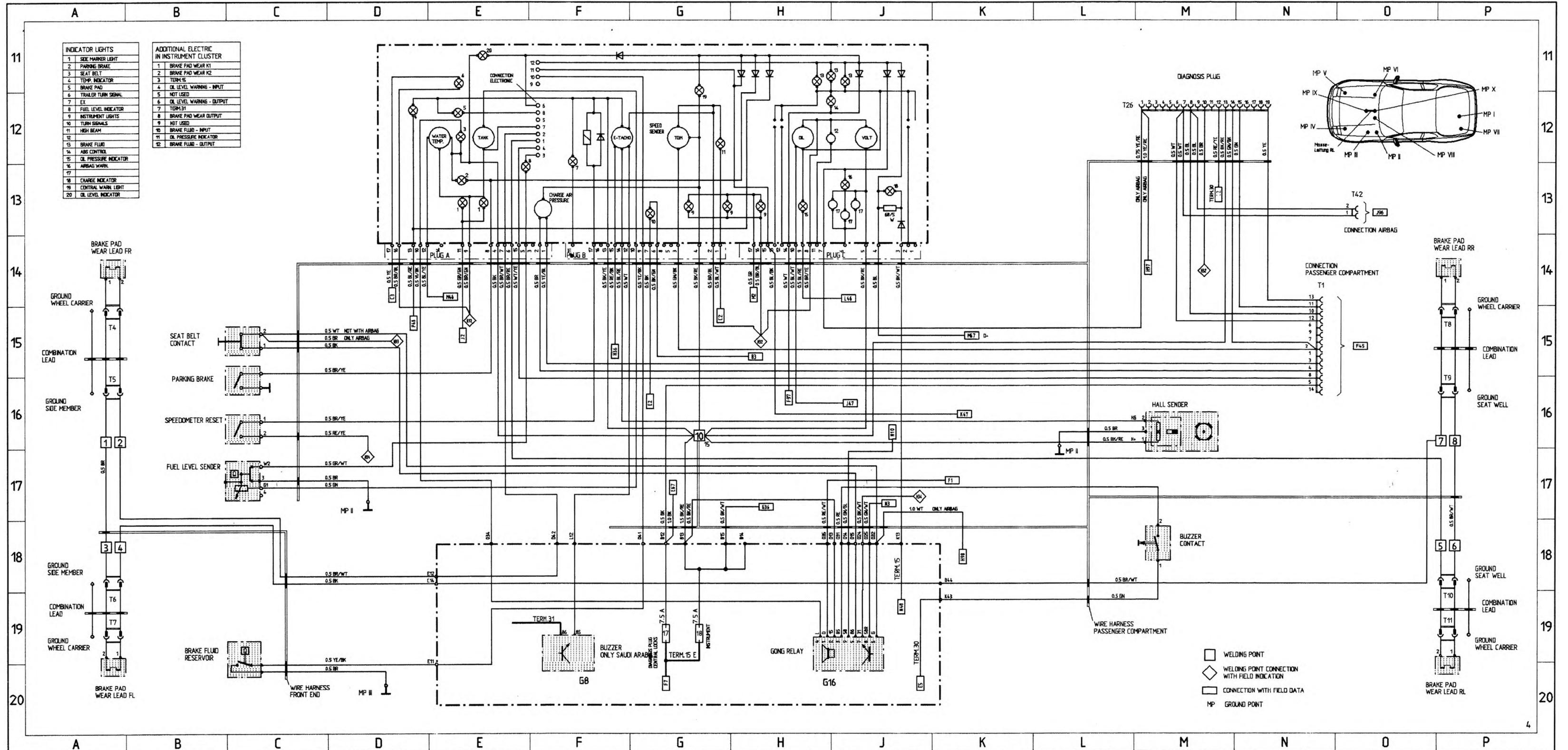


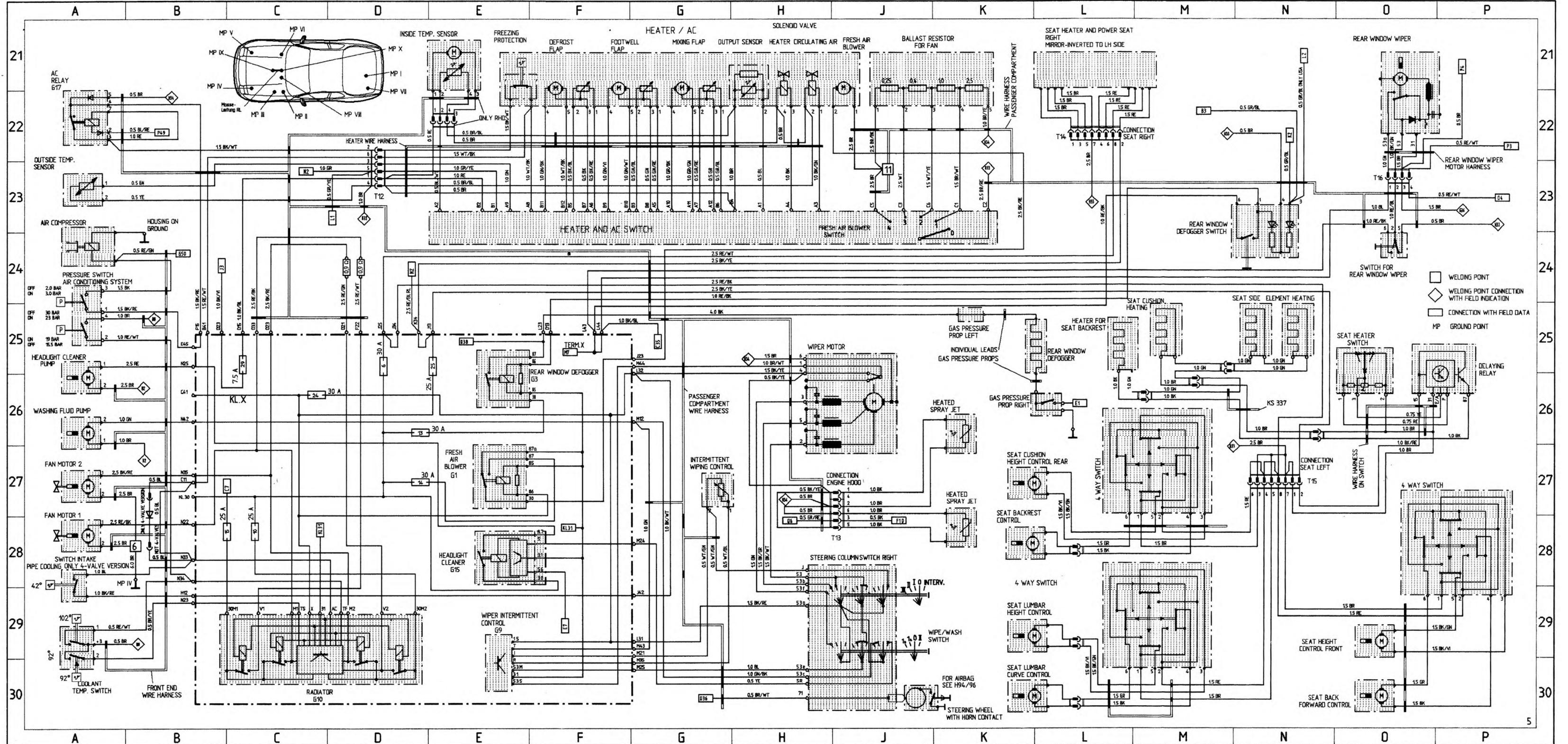
INDICATOR LIGHTS	
1	SIDE MARKER LIGHT
2	PARKING BRAKE
3	SEAT BELT
4	TEMP. INDICATOR
5	BRAKE PAD
6	TRAILER TURN SIGNAL
7	EX
8	OIL LEVEL WARNING - INPUT
9	NOT USED
10	OIL LEVEL WARNING - OUTPUT
11	TERM.131
12	BRAKE PAD WEAR OUTPUT
13	NOT USED
14	BRAKE FLUID - INPUT
15	OIL PRESSURE INDICATOR
16	NOT USED
17	NOT USED
18	CHARGE INDICATOR
19	CENTRAL WARN. LIGHT
20	OIL LEVEL INDICATOR

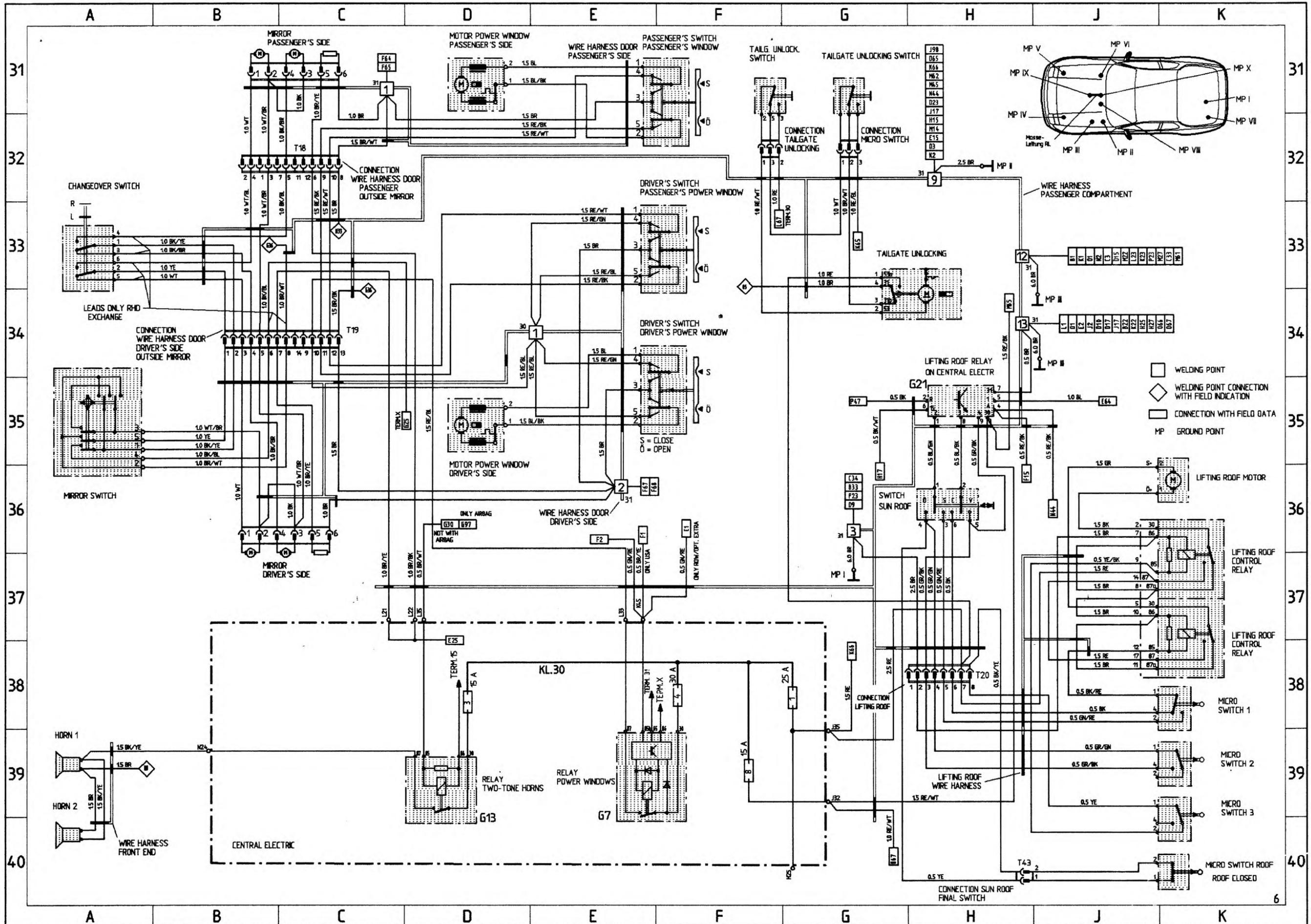
ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR K1
2	BRAKE PAD WEAR K2
3	TERM.15
4	OIL LEVEL WARNING - INPUT
5	NOT USED
6	OIL LEVEL WARNING - OUTPUT
7	TERM.131
8	BRAKE PAD WEAR OUTPUT
9	NOT USED
10	BRAKE FLUID - INPUT
11	OIL PRESSURE INDICATOR
12	BRAKE FLUID - OUTPUT

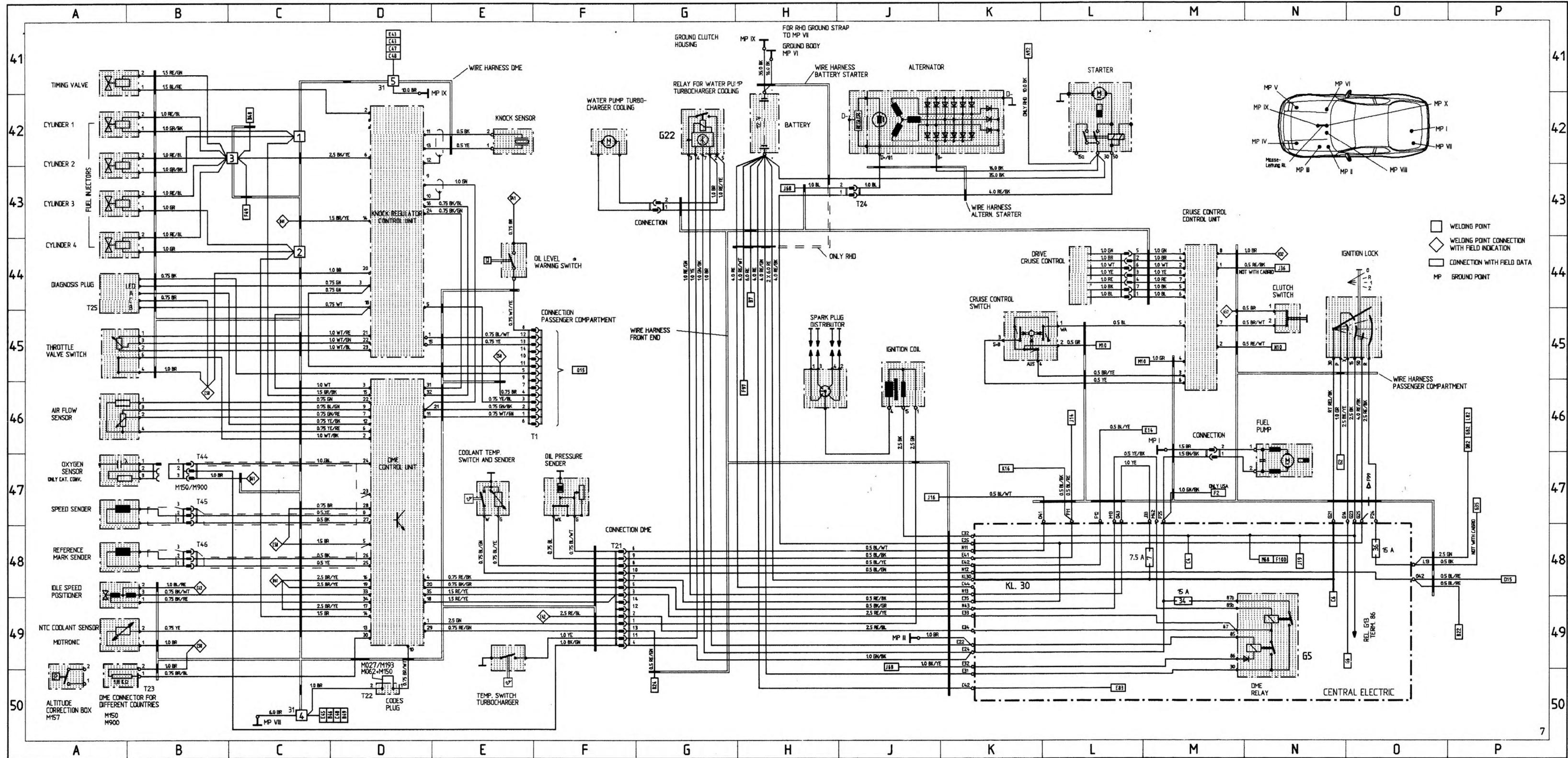
- WELDING POINT
- ◇ WELDING POINT CONNECTION WITH FIELD INDICATION
- ▭ CONNECTION WITH FIELD DATA
- MP GROUND POINT

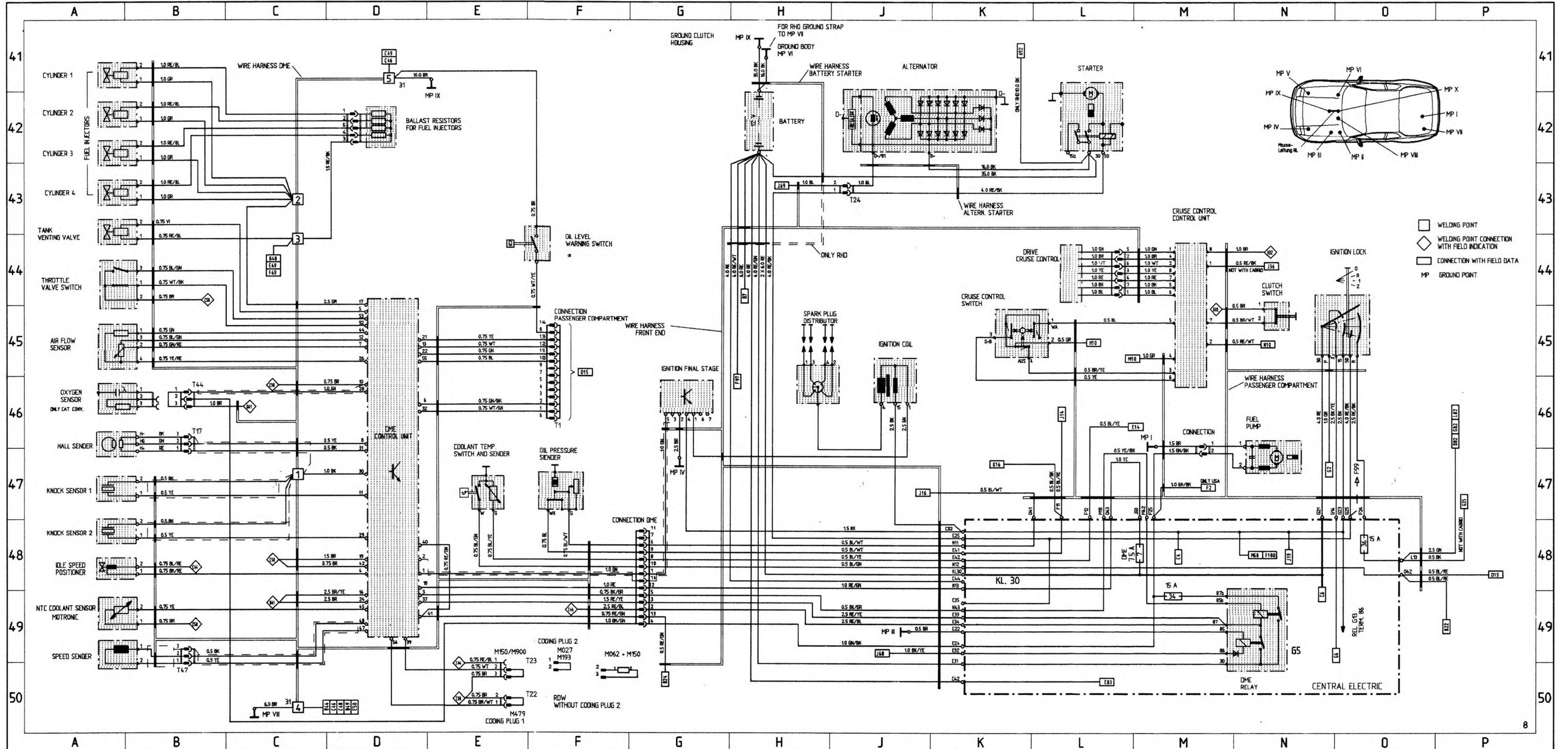




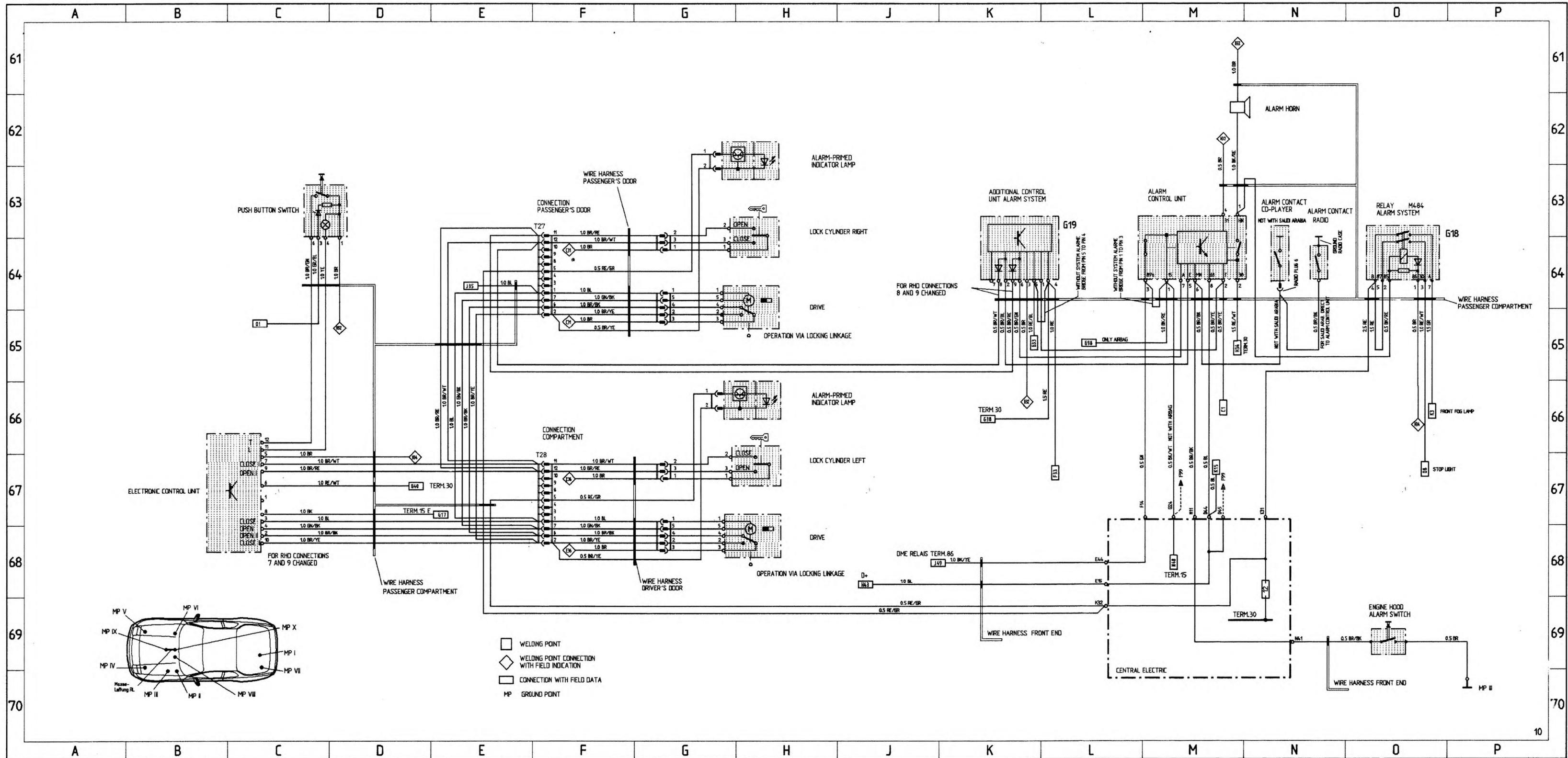
TWO-TONE HORNS, MIRRORS, LIFTING ROOF, POWER WINDOW REGULATOR, TAILGATE UNLOCKING





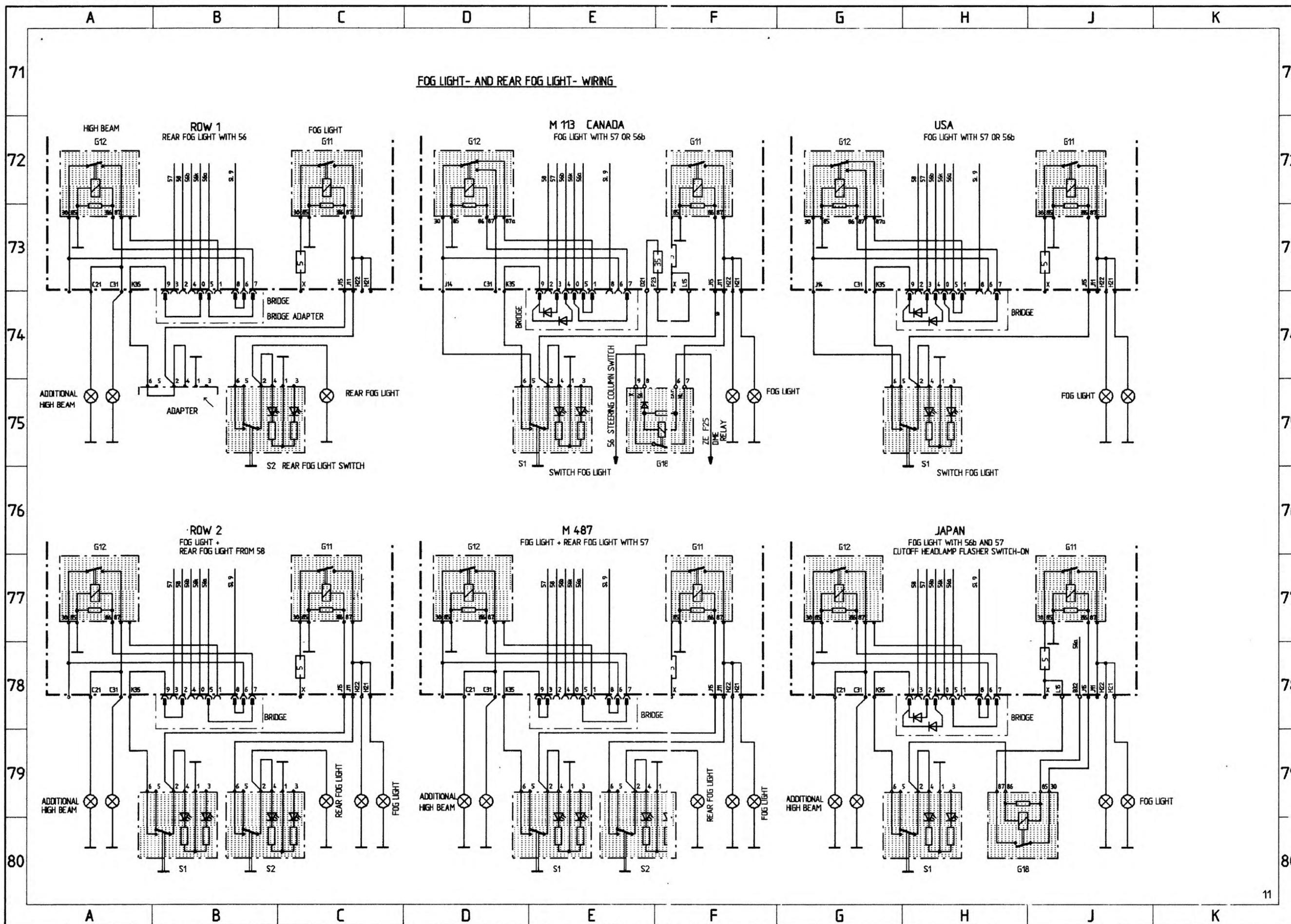




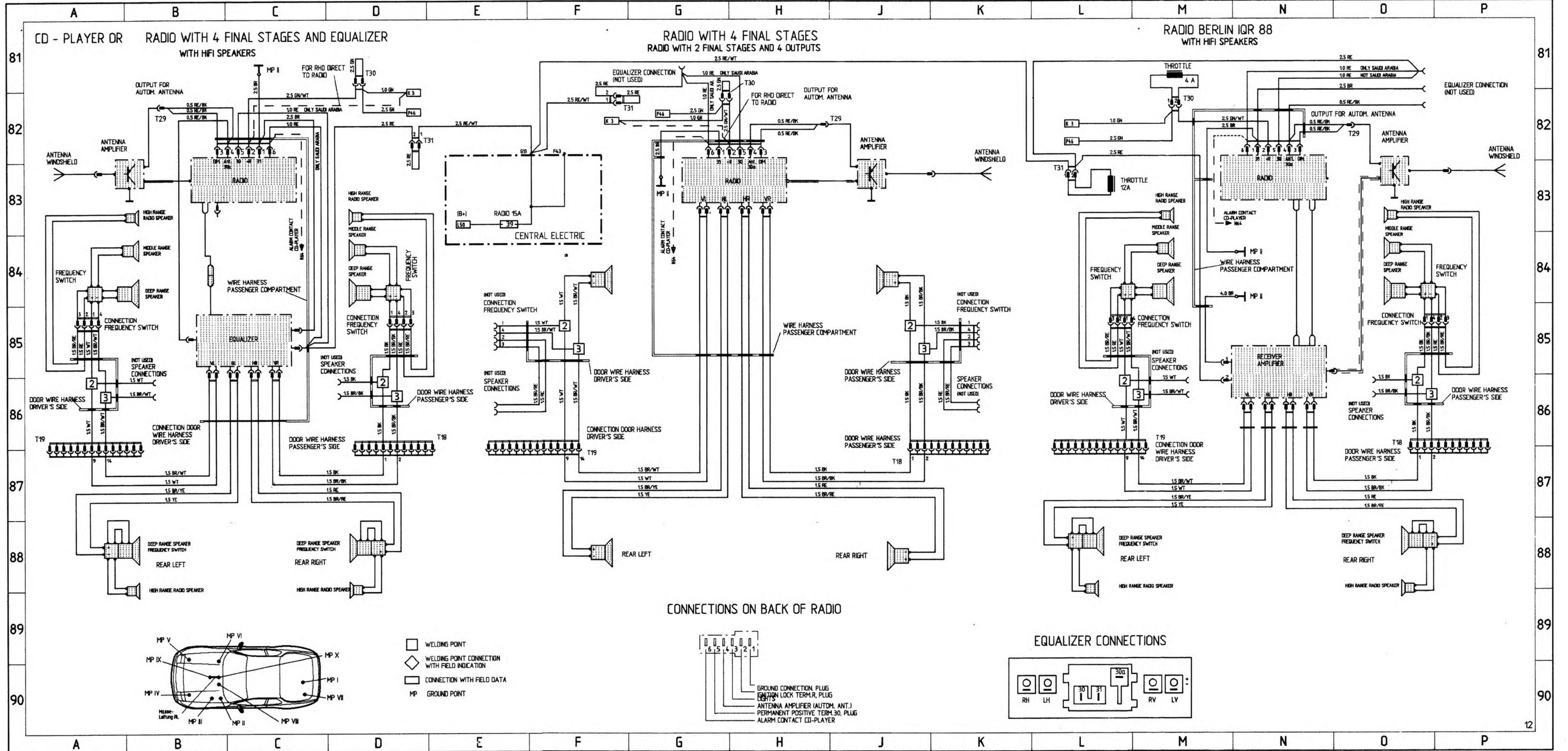


FOG LIGHT, REAR FOG LIGHT

FOG LIGHT- AND REAR FOG LIGHT- WIRING

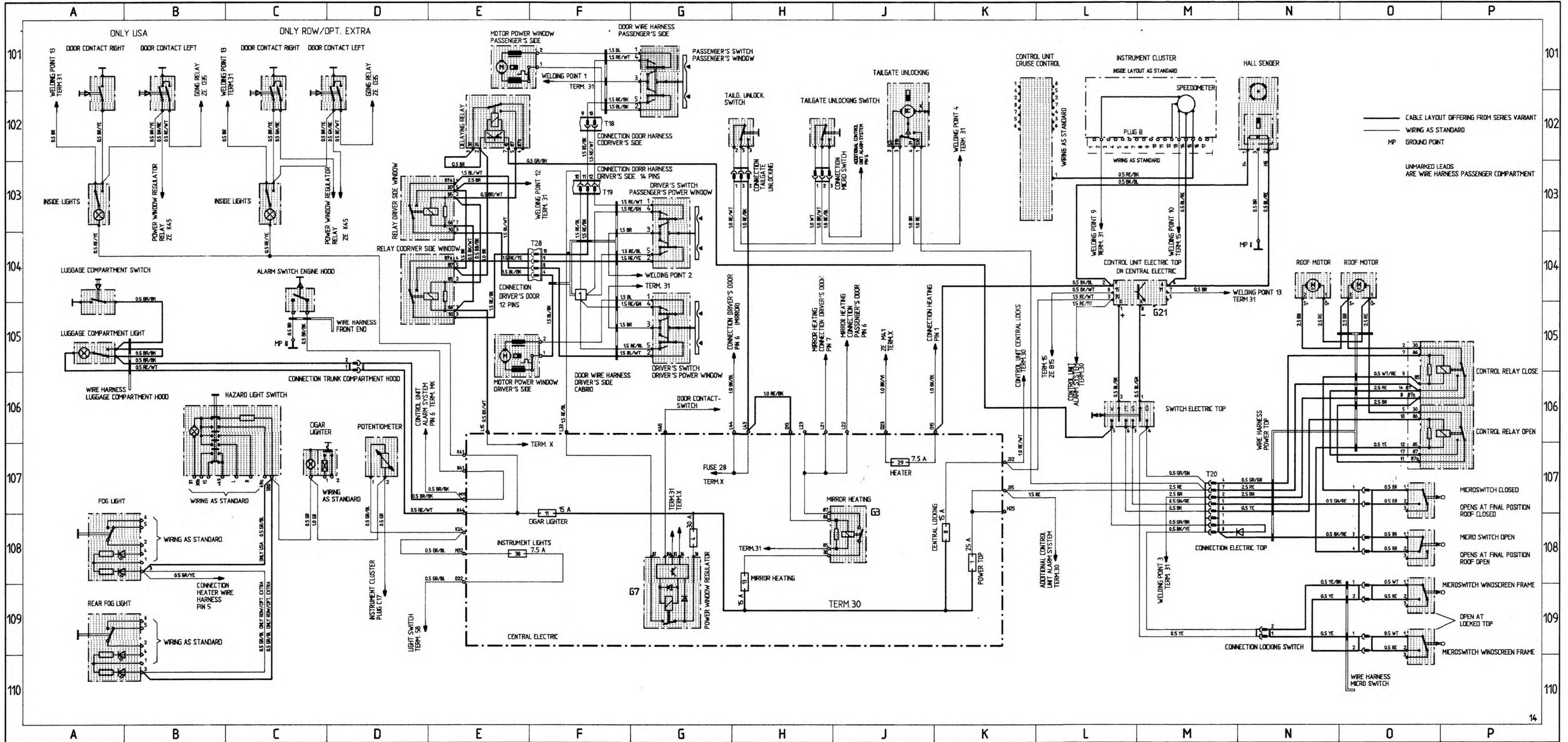


RADIO





WIRING 944 CABRIO



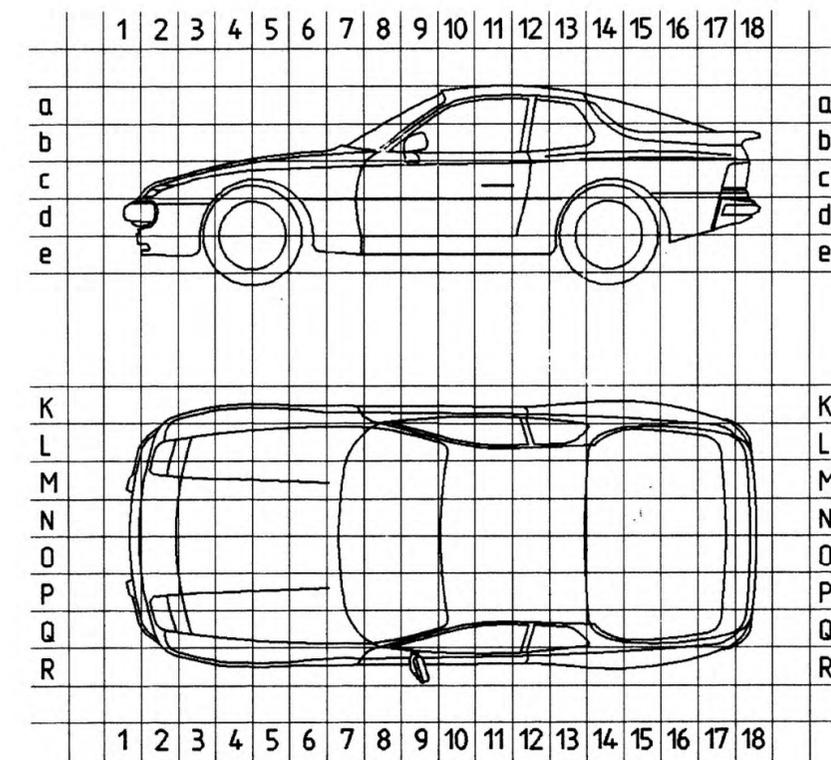
CONSTRUCTION COMPONENTS

CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
AIRBAG PASSENGER'S SIDE	9bM		ABOVE GLOVE BOX	F93
AIRBAG DRIVER'S SIDE	9bP		IN STEERING WHEEL	F94
ALARM HORN	7bL	7bL	IN WATER BOX	N62
ALARM SWITCH ENGINE HOOD	7bP	7bP	FIRE WALL LEFT	O69
ANTENNA AMPLIFIER	7cL	7cL	IN FOOTWELL, RIGHT SIDE	A7/J/O83
OUTSIDE TEMP. SENSOR	6cN	6cN	IN HEATER BOX	A23
BATTERY	6cL		IN WATER BOX	H42
BATTERY		16cR	IN BOHLMANN COMPARTMENT	H42
REFERENCE MARK SENDER	6cN	6cN	ABOVE FLYWHEEL	A48
BRAKE FLUID LEVEL CONTROL SWITCH	6cP	6cM	IN BRAKE FLUID RESERVOIR	B19
STOP LIGHT SWITCH	7dP	7dM	TO FOOT CONTROLS	D8
CABRID. MICRO SWITCH ROOF LATCH	10aM/P	10aM/P	IN THE FRAME OF THE WINDSCREEN	D109
CABRID. MICRO SWITCH ROOF OPENED/CLOSED	13cL	13cL	CLOSE TO ROTATION POINT OF ROOF	D107/108
CABRID. ROOF MOTOR	14cN/O	14cN/O	BELOW THE PARCEL TRAY	N104
CABRID. CONTROL RELAY MOTOR TOP OPEN/CLOSE	14cM	14cM	IN LUGGAGE COMPARTMENT AT THE REAR SEAT PANEL	D106
CABRID. RELAY WINDOW LOWERING	6dM	6dP	IN PASSENGER'S FOOTWELL	E103
CODES PLUG	7dM	7dP	IN PASSENGER'S FOOTWELL	E/F50
DIAGNOSIS PLUG	7dM	7dP	IN PASSENGER'S FOOTWELL	A44
SPEED SENDER	6cN	6cN	ABOVE FLYWHEEL	A47/A49
THROTTLE VALVE SWITCH	4/5cD	4/5cD	ON THROTTLE VALVE ASSEMBLY	A45
THROTTLE RADIO	8cP		ONLY RADIO BERLIN UNDER THE STEERING COLUMN	M81
THROTTLE AMPLIFIER	8cP		ONLY RADIO BERLIN UNDER THE STEERING COLUMN	L83
PRESSURE SWITCH AIR CONDITIONING SYSTEM	3dQ	3dQ	IN ENGINE COMPARTMENT FRONT LEFT	A24/25
RECEIVER AMPLIFIER	8cP		ONLY RADIO BERLIN UNDER THE STEERING COLUMN	N85/N86
CRASH SENSOR LEFT	7cL		INSIDE FIREWALL LEFT	G94
CRASH SENSOR RIGHT	7cL		INSIDE FIREWALL RIGHT	G92
GAS PRESSURE PROP LEFT	15bQ	15bQ	ON TAILGATE	K25
GAS PRESSURE PROP RIGHT	15bL	15bL	ON TAILGATE	L26
GENERATOR	3cD	3cD	ON ENGINE	J42
SEAT BELT CONTACT	10dD	10dN	TO BELT BUCKLE	C15
HALL SENDER	14dD	14dD	ON GEARBOX	M16
HALL SENDER F. CYL.1 RECOGNITION	3cM	3cM	ONLY 944 4-VALVE IN TOOTHED BELT HOUSING OVER	A46
PARKING BRAKE CONTACT	9dR	9dK	ON HAND BRAKE LEVER	C15
TAILGATE UNLOCKING	18cM	18cM	IN LUGGAGE COMPARTMENT AT END-PANEL	G34/H34
LIFTING ROOF MOTOR W. CONTROL RELAY, MICRO SWITCH	16dQ	16dQ	IN BOHLMANN COMPARTMENT	K36/37/38
HORN 1	2dQ	2dQ	MUDGUARD FRONT LEFT	A39
HORN 2	2dQ	2dQ	MUDGUARD FRONT LEFT	A40
ALTITUDE CORRECTION BOX	7dM		IN PASSENGER'S FOOTWELL	A50
HORN CONTACT FOR AIRBAG	9bP		ON STEERING WHEEL	H95
HYDRAULIC UNIT	7dK	7dK	IN MUDGUARD	D/E92
INSIDE TEMP. SENSOR BLOWER	8cM	8cP	IN CONTROL PANEL AREA	E21
CONCEALED HEADLIGHT MOTOR	3cM	3cM	IN ENGINE COMPARTM. BEHIND RIGHT CONCEALED HEADL.	AB/9/10
AIR COMPRESSOR	3dD	3dD	ON ENGINE	A24
KNOCK SENSOR	5cN	5cN	ON ENGINE BLOCK	E42
CONTACT UNIT	9bP		ON STEERING WHEEL	H94
FUEL PUMP	15dL	15dL	ON BASE REAR RIGHT	N47
CLUTCH SWITCH	7dP	7dM	TO FOOT CONTROLS	N45
COOLING WATER TEMPERATURE SWITCH	2dP	2dP	ON RADIATOR	A29

CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
OXYGEN SENSOR	8eN	8eN	IN FRONT OF CATALYZER	A47
IDLE SPEED POSITIONER	5cD	5cD	ENGINE COMPARTMENT	A48
AIR FLOW SENSOR	3cP	3cP	ENGINE COMPARTMENT	A46
FAN MOTOR 1	3cN	3cN	ON RADIATOR	A28
FAN MOTOR 2	3cN	3cN	ON RADIATOR	A27
MICRO SWITCH ROOF CLOSED	10aD	10aD	IN ROOF	K40
ENGINE COMPARTMENT LIGHT	5bP	5bP	ON ENGINE HOOD	E10
MOTOR POWER WINDOW PASSENGER'S SIDE	9dR	9dR	IN PASSENGER'S DOOR	D31
MOTOR POWER WINDOW DRIVER'S SIDE	9dK	9dK	ON DRIVER'S DOOR	D35
OIL PRESSURE SENDER AND SWITCH	3dM	3dM	ON ENGINE BLOCK BELOW OIL FILTER	F47
OIL LEVEL WARNING SWITCH	6eN	6eN	UNDER THE ENGINE ON OIL PAN	E44
BACKUP LIGHT SWITCH	15dD	15dD	ON GEARBOX	O7
SWITCH TAILGATE UNLOCKING	7dQ	7dL	IN DRIVER'S FOOTWELL	F31
LOCK CYLINDER LEFT	11cB	11cB	DOOR HANDLE LEFT	H67
LOCK CYLINDER RIGHT	11cK	11cK	DOOR HANDLE RIGHT	H64
TAILGATE UNLOCKING SWITCH	18bN	18bN	ON TAILGATE LOCK	G31
HEADLIGHT CLEANER PUMP	3dL	3dL	IN ENGINE COMPARTM. LOW ON WINDSHIELD WASHER TANK	A26
STARTER	7cN	7cN	ON CLUTCH BELL HOUSING	L42
DRIVE LEFT HEADLIGHT VERTICAL AIM CONTROL	2cP	2cP	ON HEADLIGHT LEFT	A5/6
DRIVE RIGHT HEADLIGHT VERTICAL AIM CONTROL	2cM	2cM	ON HEADLIGHT RIGHT	A4
DRIVE LEFT CENTRAL LOCK	11cR	11cR	IN DOOR LEFT	H68
DRIVE RIGHT CENTRAL LOCK	11cK	11cK	IN DOOR RIGHT	H65
DRIVE CRUISE CONTROL	6cL	6cL	ENGINE COMPARTMENT	L44
CONTROL UNIT ABS	7cL	7cL	IN FOOTWELL, RIGHT SIDE	A95-97
CONTROL UNIT AIRBAG	6cM		IN PASSENGER'S FOOTWELL	K93-95
CONTROL UNIT ALARM SYSTEM	6dM	6dP	IN PASSENGER'S FOOTWELL	M64
CONTROL UNIT DME	6dM	6dP	IN PASSENGER'S FOOTWELL	D46-49
CONTROL UNIT KNOCK REGULATOR	6dP	6dP	ONLY 951/952 IN PASSENGER'S FOOTWELL	D42-45
CONTROL UNIT CRUISE CONTROL	7cR	7cR	IN LEFT FOOTWELL	M44/45
CONTROL UNIT CENTRAL LOCKS	8cP	8cM	UNDER THE STEERING COLUMN	C67
BUZZER CONTACT	8cP	8cM	ON IGNITION LOCK	M18
TANK VENTING VALVE	6cQ	6cQ	ONLY 944 4-VALVE CAT. ENGINE COMPARTMENT	A43
FUEL LEVEL SENDER	15cN	15cN	IN FUEL TANK	C17
TEMPERATURE SENSOR FOR CATALYZER	9eN	9eN	ON CATALYZER	C18
TEMP. SWITCH TURBOCHARGER	4cD	4cD	ONLY 951/952 IN ENGINE COMPARTMENT NEAR TURBOCHARGER	E50
BALLAST RESISTORS FOR FUEL INJECTORS	6cL	6cL	ONLY 944 4-VALVE ENGINE COMPARTMENT	D42
WASHING FLUID PUMP	3cL	3cL	TOP OF EXPANSION TANK IN ENGINE COMPARTMENT	A26
COOLANT TEMP. SWITCH AND SENDER	4dP	4dP	ON ENGINE BLOCK	E47
NTC COOLANT SENSOR	4cD	4cD	ON ENGINE BLOCK	A49
WATER PUMP TURBO-CHARGER COOLING	4cP	4cP	ONLY 951/952 ENGINE COMPARTMENT	F42
WIPER MOTOR	7bD	7bN	IN WATER BOX	J26
CENTRAL ELECTRIC	7bD	7bD	LEFT IN WATER BOX	A51-P60
IGNITION FINAL STAGE	3dQ	3dQ	ONLY 944 4-VALVE ENGINE COMPARTMENT	G46
IGNITION COIL	3cL	3cL	WHEEL HOUSING RIGHT FRONT	J46



PLUG CONNECTIONS AND GROUND POINTS

PLUG CONNECTIONS

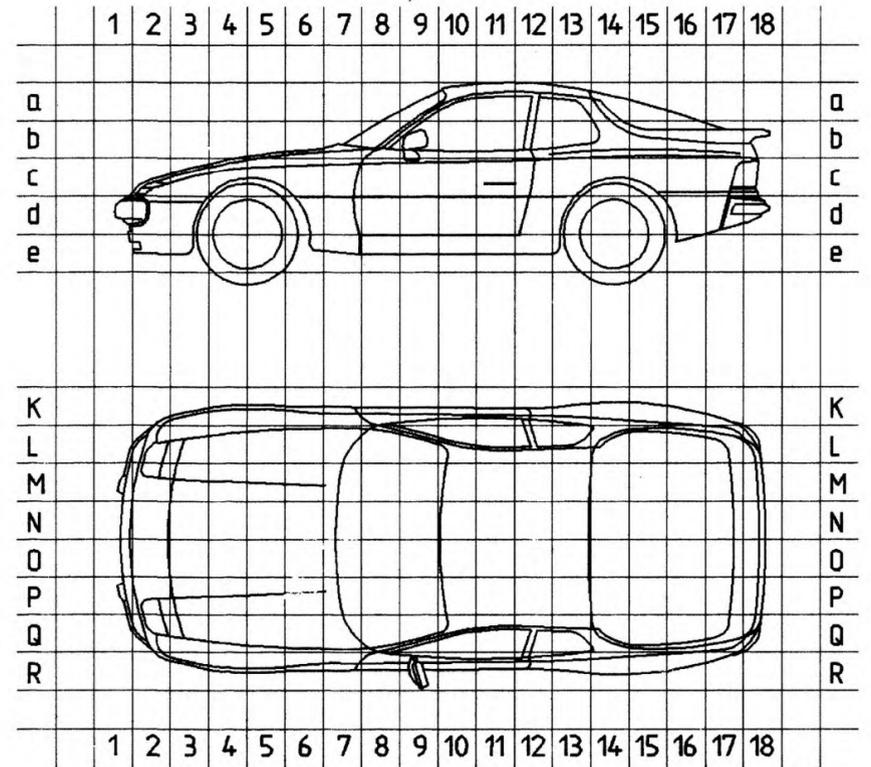
CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
			LHD	RHD		
T1	14	WIRE HARNESS / PASSENGER COMPARTMENT	6dM	6dP	IN PASSENGER'S FOOTWELL	015, EF45,46
T2	2	CONTACT BRIDGE REAR FOG LIGHT	7cQ	7cQ	UNDER THE CENTRAL ELECTRIC	L3
T3	8	SWITCH RANGE INDICATOR / WH PASSENGER COMP.	9cD/N	9cD/N	IN CENTRE CONSOLE	K12
T4	2	BRAKE PAD WEAR CONTACT FRONT RIGHT / COMBL LEAD	5dL	5dL	LOW ON SHOCK ABSORBER	A15
T5	2	COMBL LEAD RIGHT / WH FRONT (BVA)	6cL	6cL	ENGINE COMPARTMENT	A16
T6	2	COMBL LEAD LEFT / WH FRONT (BVA)	6cQ	6cQ	ENGINE COMPARTMENT	A18
T7	2	BRAKE PAD WEAR CONTACT FRONT LEFT / COMBL LEAD	5dQ	5dQ	LOW ON SHOCK ABSORBER	A19
T8	2	BRAKE PAD WEAR CONTACT REAR RIGHT / COMBL LEAD	14dL	14dL	ON SEMI-TRAILING ARM	P15
T9	2	COMBL LEAD RIGHT / WH PASSENGER COMP.	15dM	15dM	ABOVE DRIVE SHAFTS ON	P16
T10	2	COMBL LEAD LEFT / WH PASSENGER COMP.	15dP	15dP	LUGGAGE COMPARTMENT PANEL	P18
T11	2	BRAKE PAD WEAR CONTACT REAR LEFT / COMBL LEAD	14dQ	14dQ	ON SEMI-TRAILING ARM	P19
T12	6	WH HEATER, AIR CONDITIONING, PASSENGER COMP.	7cD/N	7cD/N	IN CONTROL PANEL AREA	D23
T13	6	WH PASSENGER COMPARTMENT / ENGINE HOOD	6bP	6bP	IN ENGINE HOOD	J27
T14	8	SEAT RIGHT / WH PASSENGER COMPARTMENT	11eM	11eM	LOW ON SEAT	L22
T15	8	SEAT LEFT / WH PASSENGER COMPARTMENT	11eP	11eP	LOW ON SEAT	N27
T16	4	REAR WINDOW WIPER HIGH MOUNTED STOP LIGHT / WH PASSENGER COMP.	14cQ	14cQ	BEHIND C-PILLAR	D23
T17	3	HALL SENDER / DME	6cN	6cN	ON ENGINE REAR ONLY 944 4-VALVE	B46
T18	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	IN PASSENGER'S FOOTWELL	BC32, DKP87, F102
T19	14	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	IN DRIVER'S FOOTWELL	BC34, AFL87, F103
T20	8	WIRE HARNESS SUN ROOF / PASSENGER COMPARTMENT	16dQ	16dQ	IN BOHLMANN COMPARTMENT	H38
T21	14	WIRE HARNESS DME / WIRE HARNESS FRONT	6cP	6cP	ENGINE COMPARTMENT	F48/49
T22	2	CODING PLUG / DME	6dM	6dP	IN PASSENGER'S FOOTWELL	D50, F50
T23	2	PLUG FOR DATA FIELD CODING / DME	6dM	6dP	IN PASSENGER'S FOOTWELL	A50, EF50
T24	2	WH ALTERN. STARTER / WH FRONT	6cQ	6cQ	ENGINE COMPARTMENT	J43
T25	5	DIAGNOSIS PLUG FOR IDLE SPEED POSITIONER	6cP	6cP	ONLY 944 TURBO IN ENGINE COMPARTMENT	AB44
T26	19	DIAGNOSIS PLUG	6dL	6dQ	IN PASSENGER'S FOOTWELL	M12
T27	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	IN PASSENGER'S FOOTWELL	F64
T28	12	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	IN DRIVER'S FOOTWELL	F67, E104
T29	1	ANTENNA AMPLIFIER / WH PASSENGER COMP.	7cQ	7cQ	BEHIND THE RADIO	B82, H82, D82
T30	2	THROTTLE FOR RADIO / OR CONTACT BRIDGE	8cP	—	UNDER THE STEERING COLUMN	D81, M82, G82
T31	2	THROTTLE FOR AMPLIFIER / OR CONTACT BRIDGE	8cP	—	UNDER THE STEERING COLUMN	D82, L83, F82
T32	2	WH ABS / COMBINATION LEAD FR	6cL	6cL	ENGINE COMPARTMENT	B98
T33	2	WH ABS / COMBINATION LEAD FL	6cQ	6cQ	ENGINE COMPARTMENT	B98
T34	2	WH ABS / COMBINATION LEAD RL	15dP	15dP	ABOVE DRIVE SHAFTS	B98
T35	2	WH ABS / COMBINATION LEAD RR	15dM	15dM	ON LUGGAGE COMPARTMENT PANEL	B98
T36	2	COMBL LEAD FR / ABS-SENSOR FR	5dL	5dL	LOW ON SHOCK ABSORBER	B98
T37	2	COMBL LEAD FL / ABS-SENSOR FL	5dQ	5dQ	LOW ON SHOCK ABSORBER	B98
T38	2	COMBL LEAD RL / ABS-SENSOR RL	14dQ	14dQ	ON SEMI-TRAILING ARM	B98
T39	2	COMBL LEAD RR / ABS-SENSOR RR	14dL	14dL	ON SEMI-TRAILING ARM	B98
T40	4	WH PASSENGER COMPARTMENT / WH ABS	6dM	6dM	IN FOOTWELL, RIGHT SIDE	F96
T41	6	WH PASSENGER COMPARTMENT / WH AIRBAG	6dM	—	IN PASSENGER'S FOOTWELL	HJ97
T42	2	WH PASSENGER COMPARTMENT / WH AIRBAG	6cM	—	IN PASSENGER'S FOOTWELL	J96, O13
T43	2	MICRO SWITCH SUN ROOF / WH PASSENGER COMPARTMENT	10aQ	10aQ	IN ROOF	H40
T44	3	OXYGEN SENSOR / DME	6cN	6cN	ON ENGINE REAR	B46/47
T45	3	SPEED SENDER / DME	6cN	6cN	ON ENGINE REAR NOT 944 4-VALVES	B47
T46	3	REFERENCE MARK SENDER / DME	6cN	6cN	ON ENGINE REAR NOT 944 4-VALVES	B48
T47	3	SPEED-REFERENCE MARK SENDER / DME	6cN	6cN	ON ENGINE REAR ONLY 944 4-VALVE	B49

GROUND POINTS

CODE	DESIGNATION, FUNCTION	POSITION IN VEHICLE	
		LHD	RHD
MP I	COVER PANEL	18cD	18cQ
MP II	INSIDE FIREWALL ELECTRONICS CHASSIS	7cP	7cP
MP III	INSIDE FIREWALL CABLE TO GROUND	7cP	7cP
MP IV	LONGITUDINAL SUPPORT	3dP	3dP
MP V	LONGITUDINAL SUPPORT	3dM	3dM
MP VI	BODY BATTERY LHD	6cL	—
MP VII	BODY BATTERY RHD	—	16cQ
MP VIII	ENGINE BLOCK DME ELECTRONICS CHASSIS	6cD	6cD
MP IX	CLUTCH BELL HOUSING BATTERY LEAD LHD + DME CABLE TO GROUND	7cQ	7cQ
MP X	BODY RHD FIREWALL	—	7cQ

M - NUMBERS

M 027	CALIFORNIA VERSION
M 113	CANADA VERSION
M 139	SEAT HEATER SEAT LEFT
M 150	WITHOUT CATALYZER
M 193	JAPAN VERSION
M 215	SAUDI-ARABIA VERSION
M 249	AUTOMATIC TRANSMISSION
M 288	HEADLIGHT CLEANERS
M 340	SEAT HEATER SEAT RIGHT
M 383	SPORT SEAT LEFT
M 387	SPORT SEAT RIGHT
M 454	CRUISE CONTROL
M 479	AUSTRALIAN VERSION
M 481	TRANSMISSION
M 484	USA VERSION
M 490	AUDIO OPTION PACK WITHOUT BOOSTER
M 533	ALARM SYSTEM
M 553	USA - CANADA VERSION
M 562	AIRBAG
M 573	AIR CONDITIONING SYSTEM
M 593	ABS
M 605	HEADLIGHT VERTICAL AIM CONTROL
M 650	LIFTING ROOF
M 900	TOURIST VEHICLES



# Wiring Diagram Type 944 S2 Model 91

	Coordinates	
<b>Sheet 1</b>	1 - 10	Lights RoW/SA/Japan
<b>Sheet 2</b>	1 - 10	Lights USA
<b>Sheet 3</b>	11 - 20	Instrument Cluster and Sender RoW/Japan
<b>Sheet 4</b>	11 - 20	Instrument Cluster and Sender USA / Opt. Equipm.
<b>Sheet 5</b>	21 - 30	Heating, Airconditioning, Ventilating, Power Seats, Wipe- and Wash Cleaners
<b>Sheet 6</b>	31 - 40	Two-Tone Horns, Mirrors, Lifting Roof, Power Window Regulator, Tailgate Unlocking
<b>Sheet 7</b>	41 - 50	Engine Compartment, Cruise Control
<b>Sheet 8</b>	51 - 60	Central Electric
<b>Sheet 9</b>	61 - 70	Central Locks, Alarm System
<b>Sheet 10</b>	71 - 80	Fog Light, Rear Fog Light
<b>Sheet 11</b>	81 - 90	Radio, Telephone
<b>Sheet 12</b>	91 - 100	ABS, Airbag
<b>Sheet 13</b>	101 - 110	Wiring 944 S2 Cabriolet
<b>Sheet 14</b>		Construction Components
<b>Sheet 15</b>		Plug Connections, Ground Points, M-Numbers, Abbreviations

# Wiring Diagram Type 944 S2 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.

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

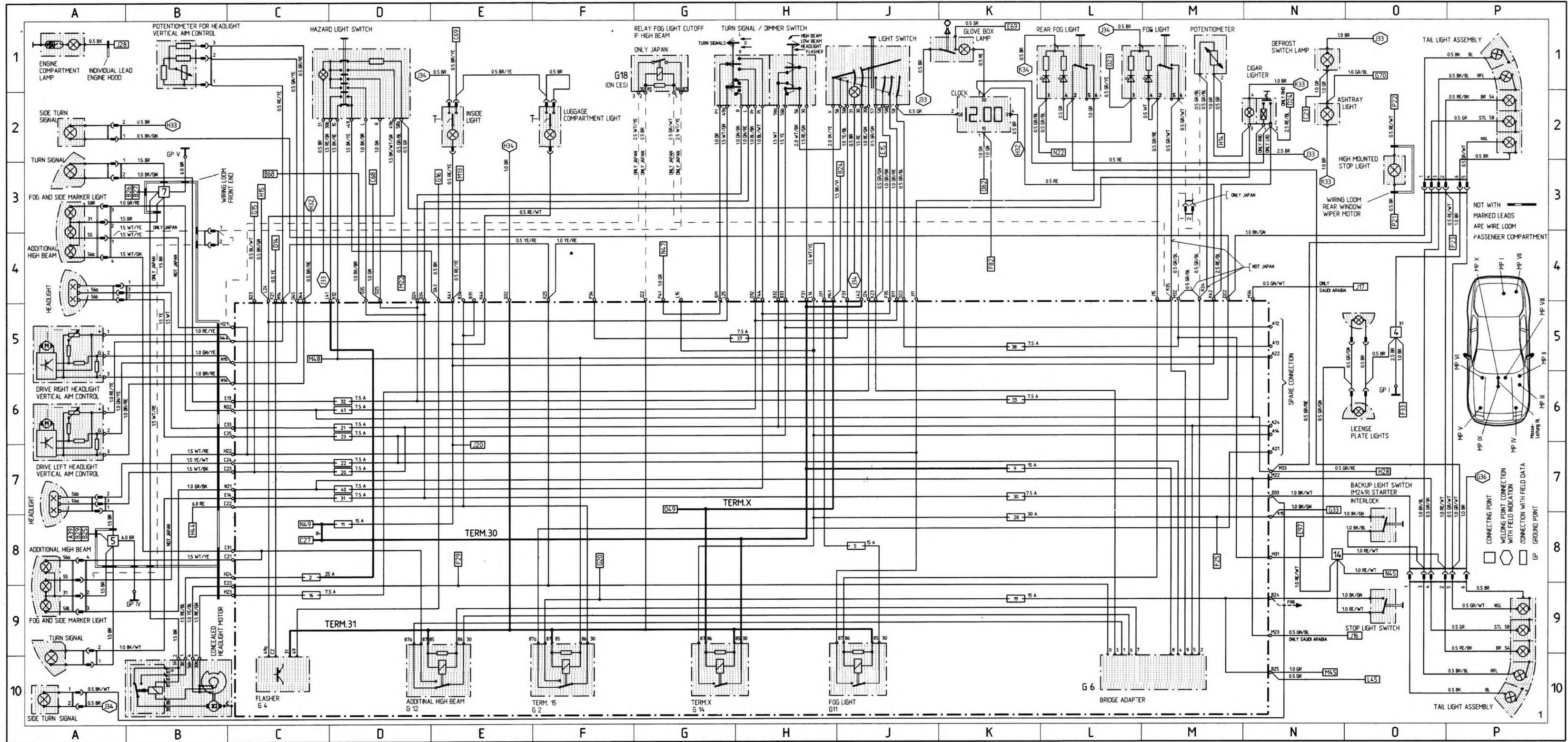
Part 1, with the moduled-on fastening lug, is the "starting element".

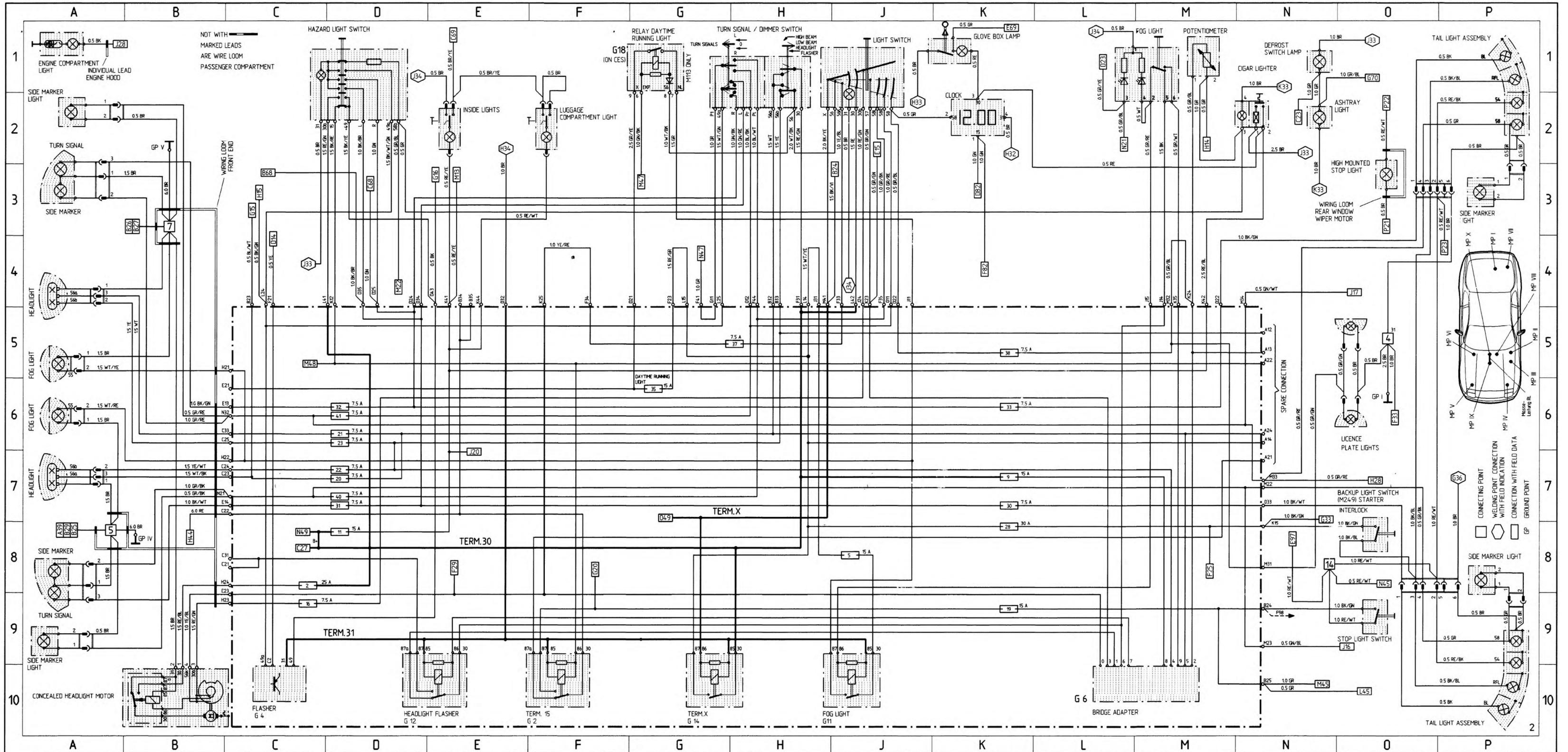
Parts 2, 3 and 4 are "module elements".

Parts 1 to 4 are identified by the numbers 1.....5.

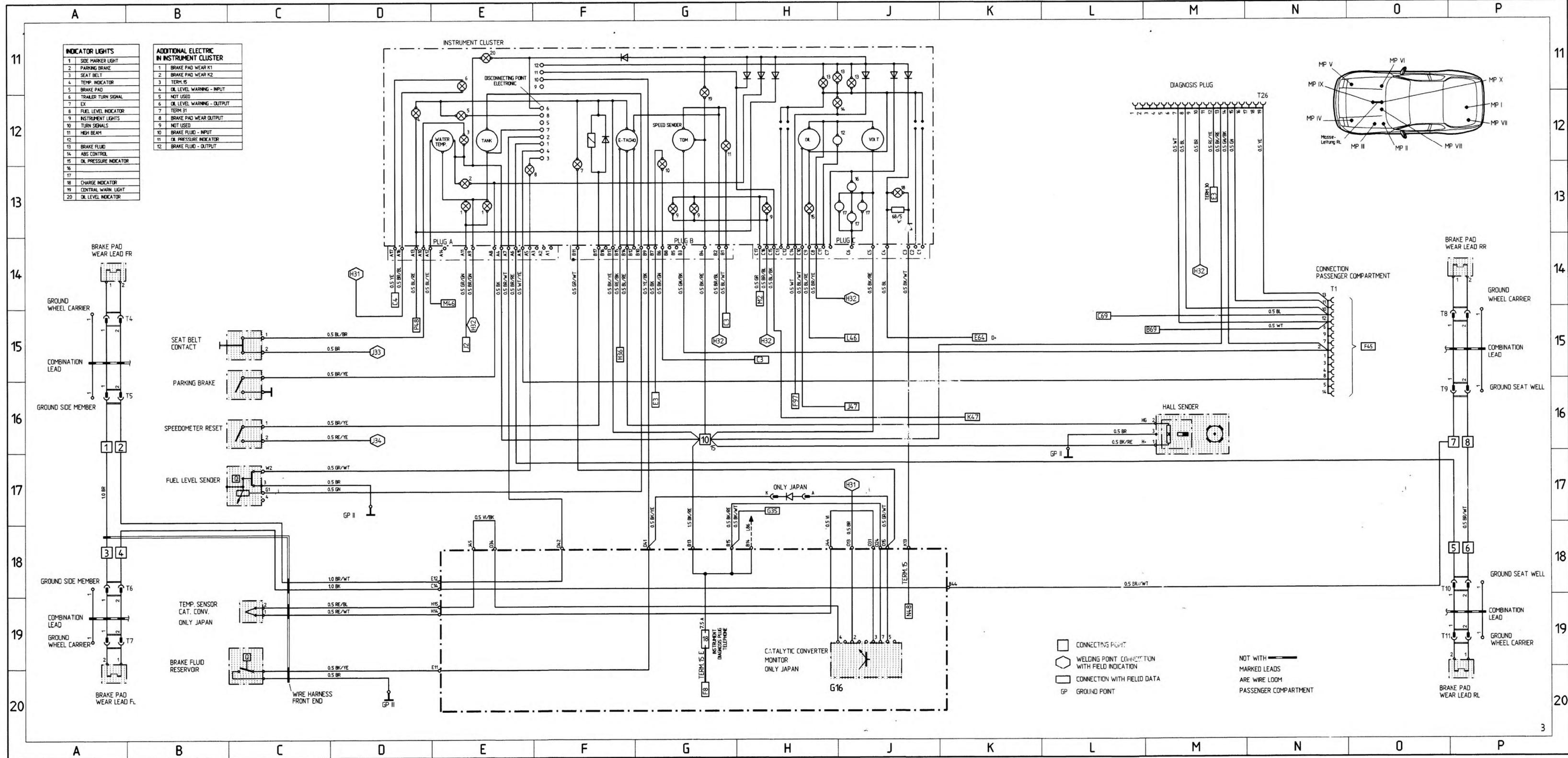
Part 5 is a "coding element".

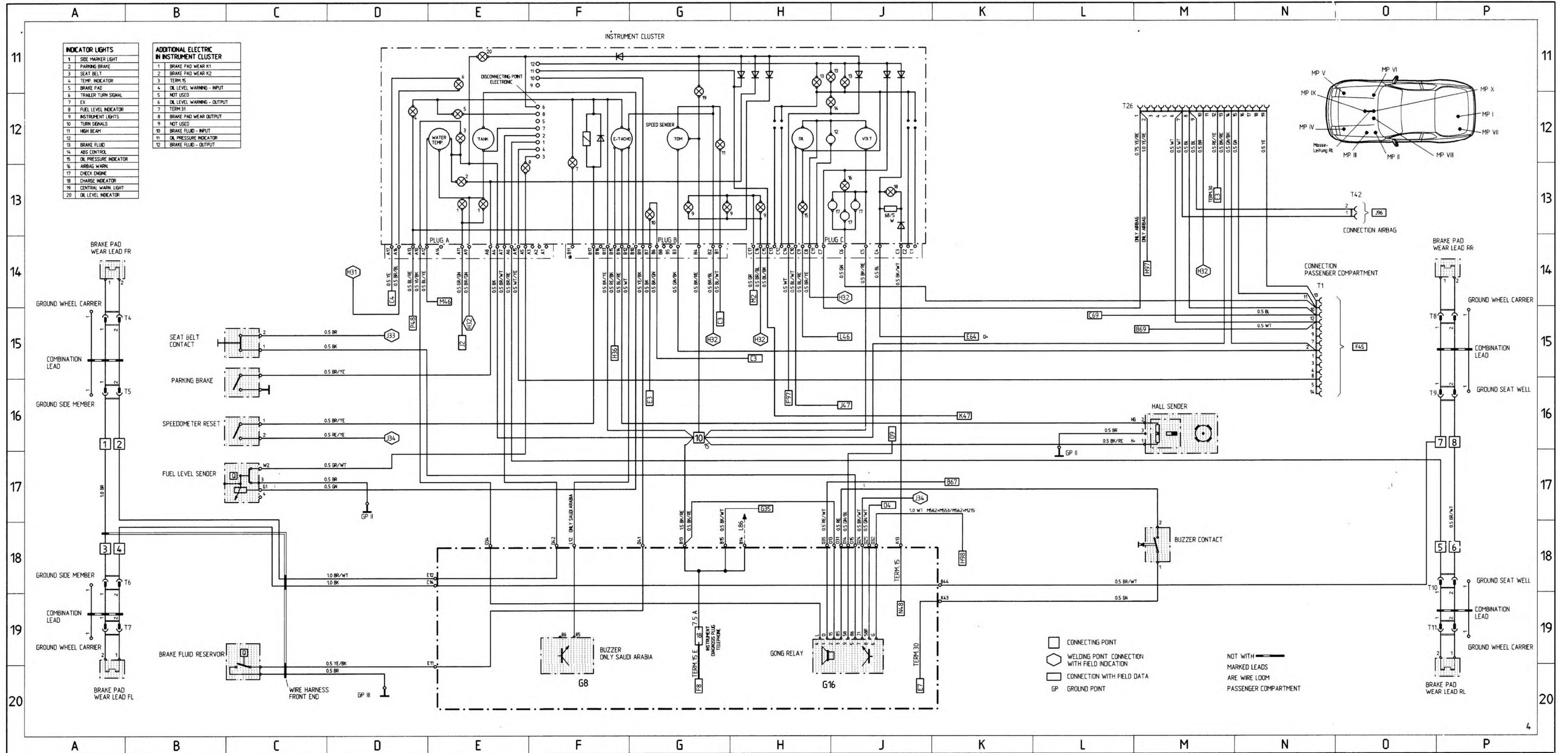
The designations of the plug connections in the wiring diagram of the central-electrics box refer to the "starting element" from, for example, B 11.....15, and to the first module element from B 21.....25.



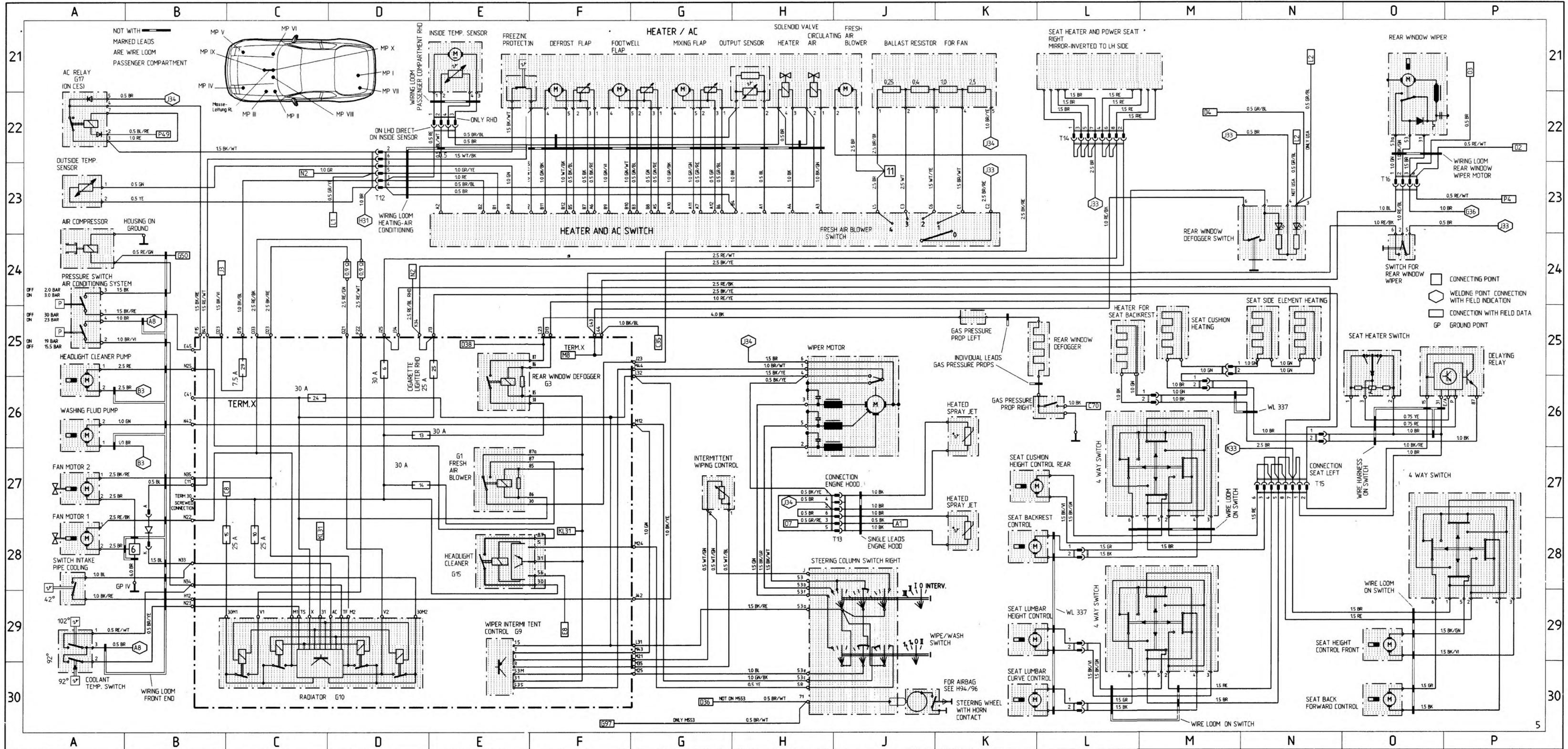


INSTRUMENT CLUSTER AND SENDER ROW / JAPAN

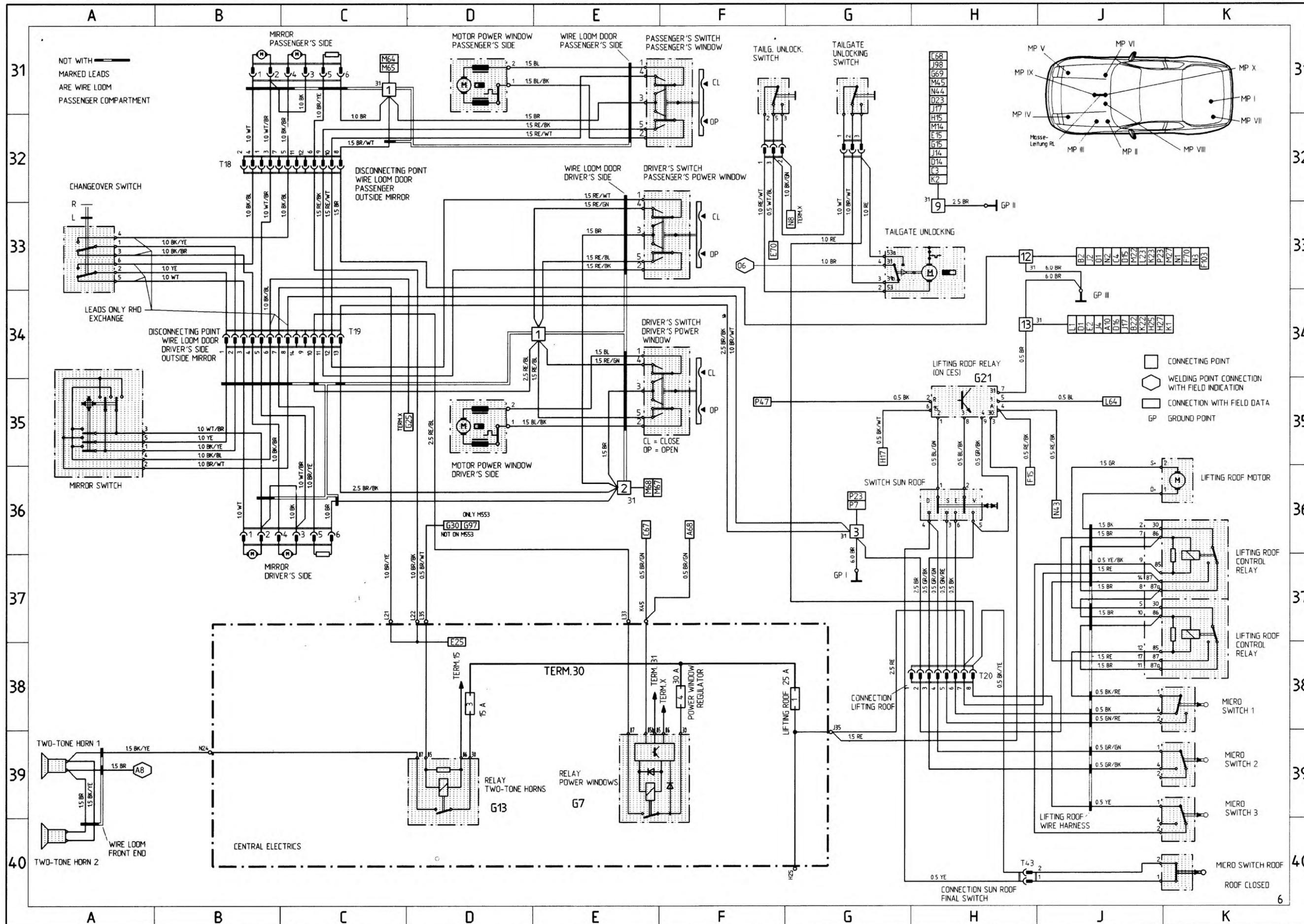




HEATING, AIR CONDITIONING, VENTILATING, POWER SEATS, WIPE- AND WASH CLEANERS

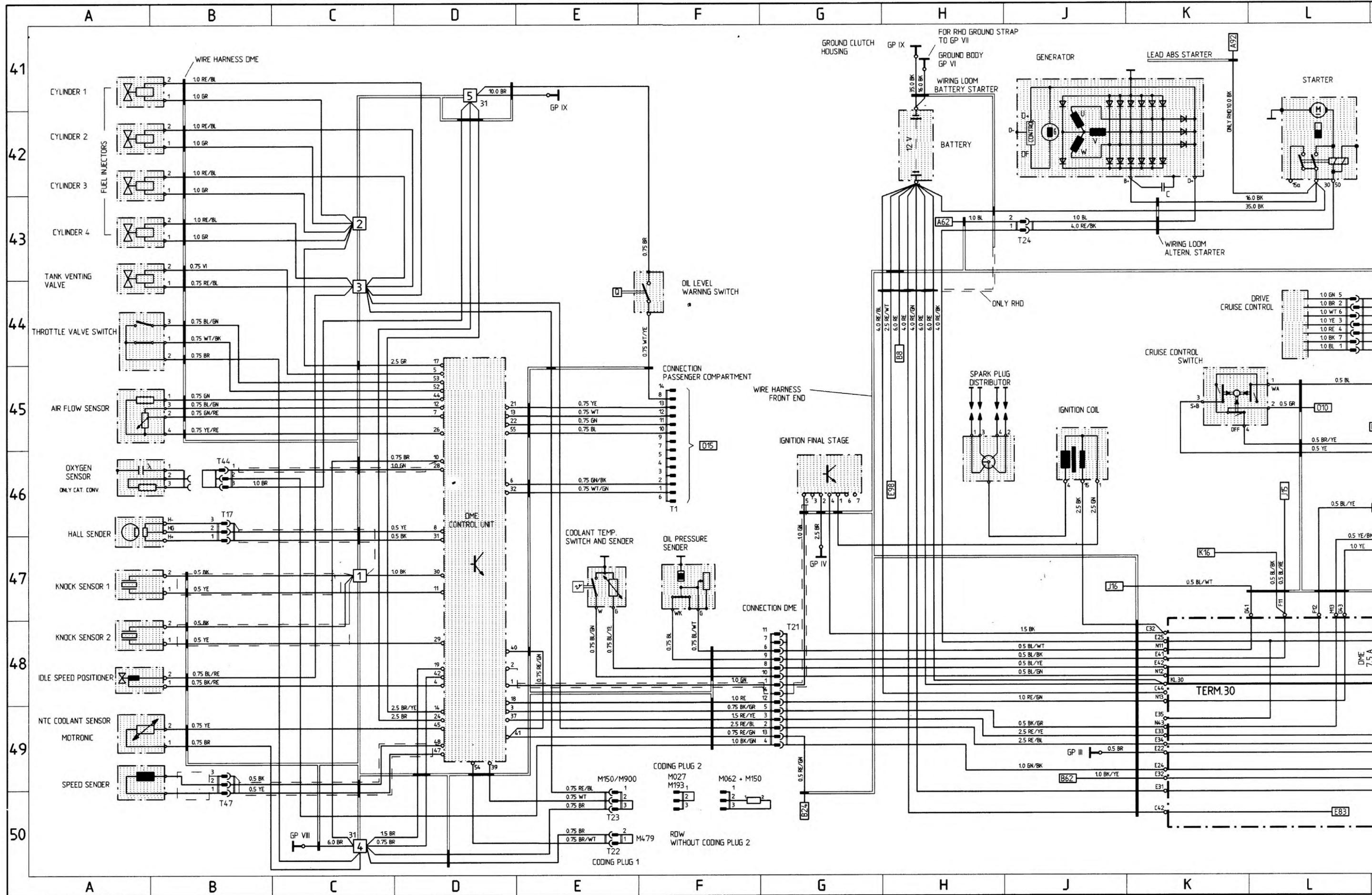


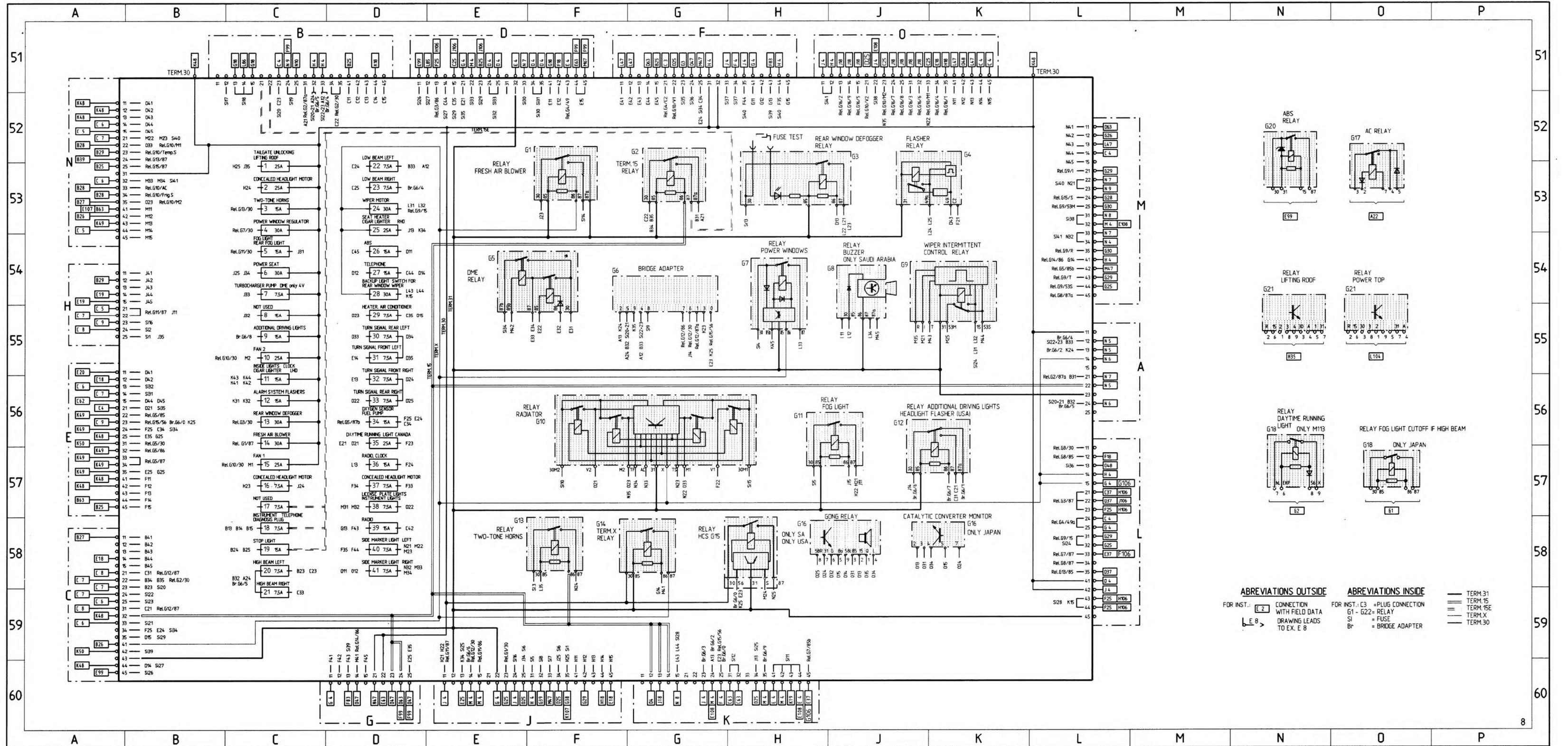
TWO-TONE HORNS, MIRRORS, LIFTING ROOF, POWER WINDOW REGULATOR, TAILGATE UNLOCKING



# 944 S Model 91 Sheet 7

## ENGINE COMPARTMENT, CRUISE CONTROL 4-VALVE ENGINE



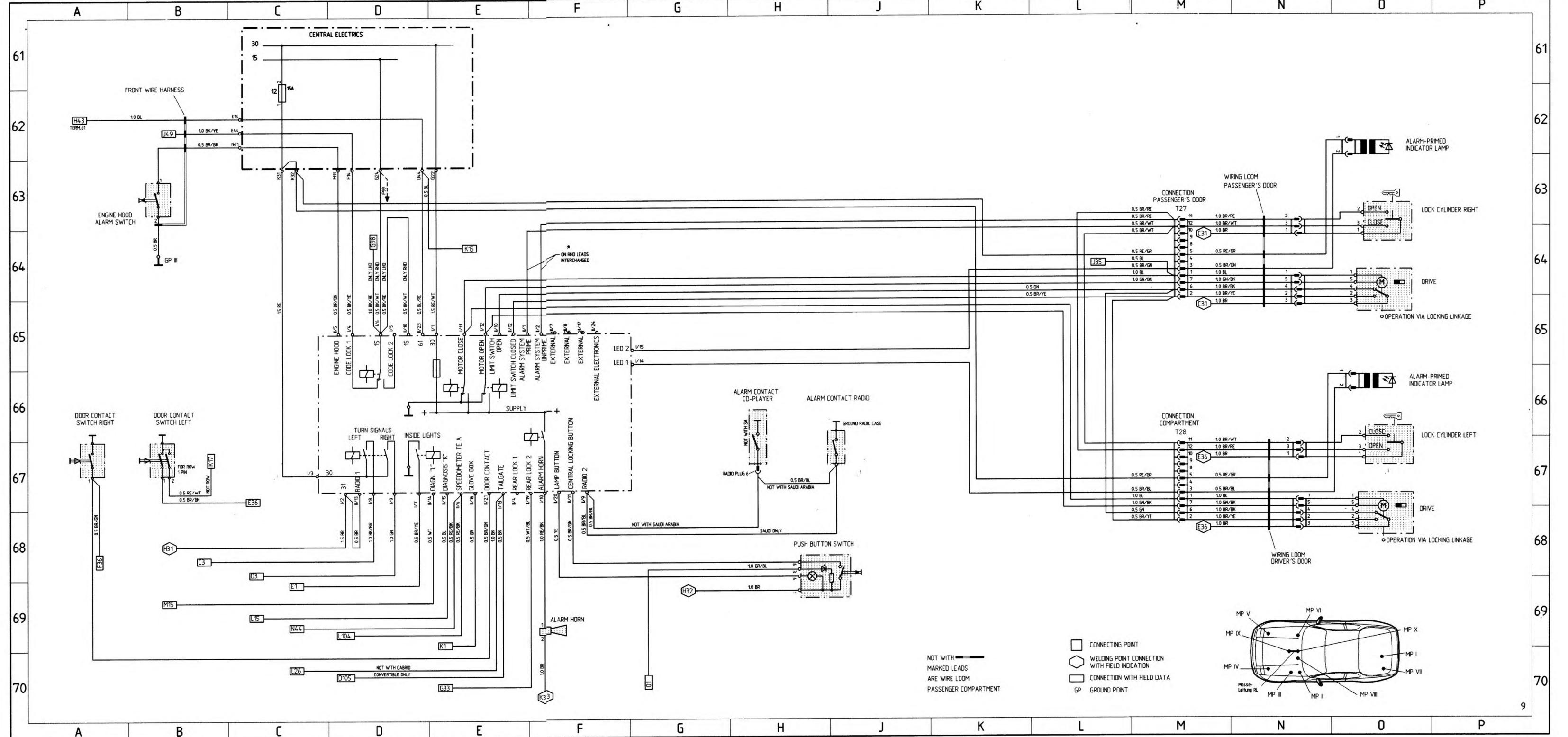


**ABBREVIATIONS OUTSIDE**  
 FOR INST.: E 2 CONNECTION WITH FIELD DATA  
 L E 8 DRAWING LEADS TO EX. E 8

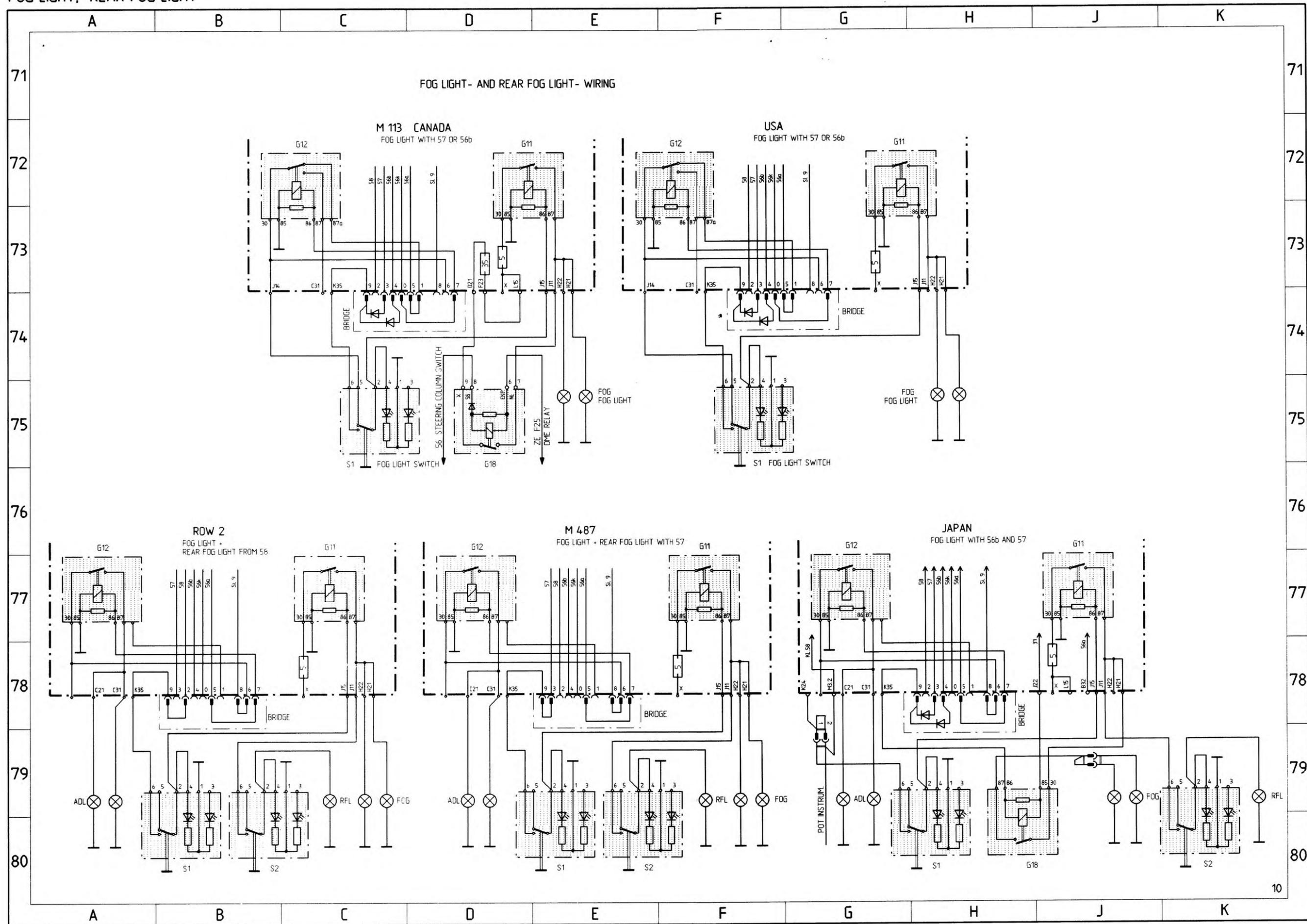
**ABBREVIATIONS INSIDE**  
 FOR INST.: C 3 = PLUG CONNECTION  
 G1 - G22 = RELAY  
 SI = FUSE  
 Br = BRIDGE ADAPTER

— TERM. 31  
 — TERM. 15  
 — TERM. 15E  
 — TERM. X  
 — TERM. 30

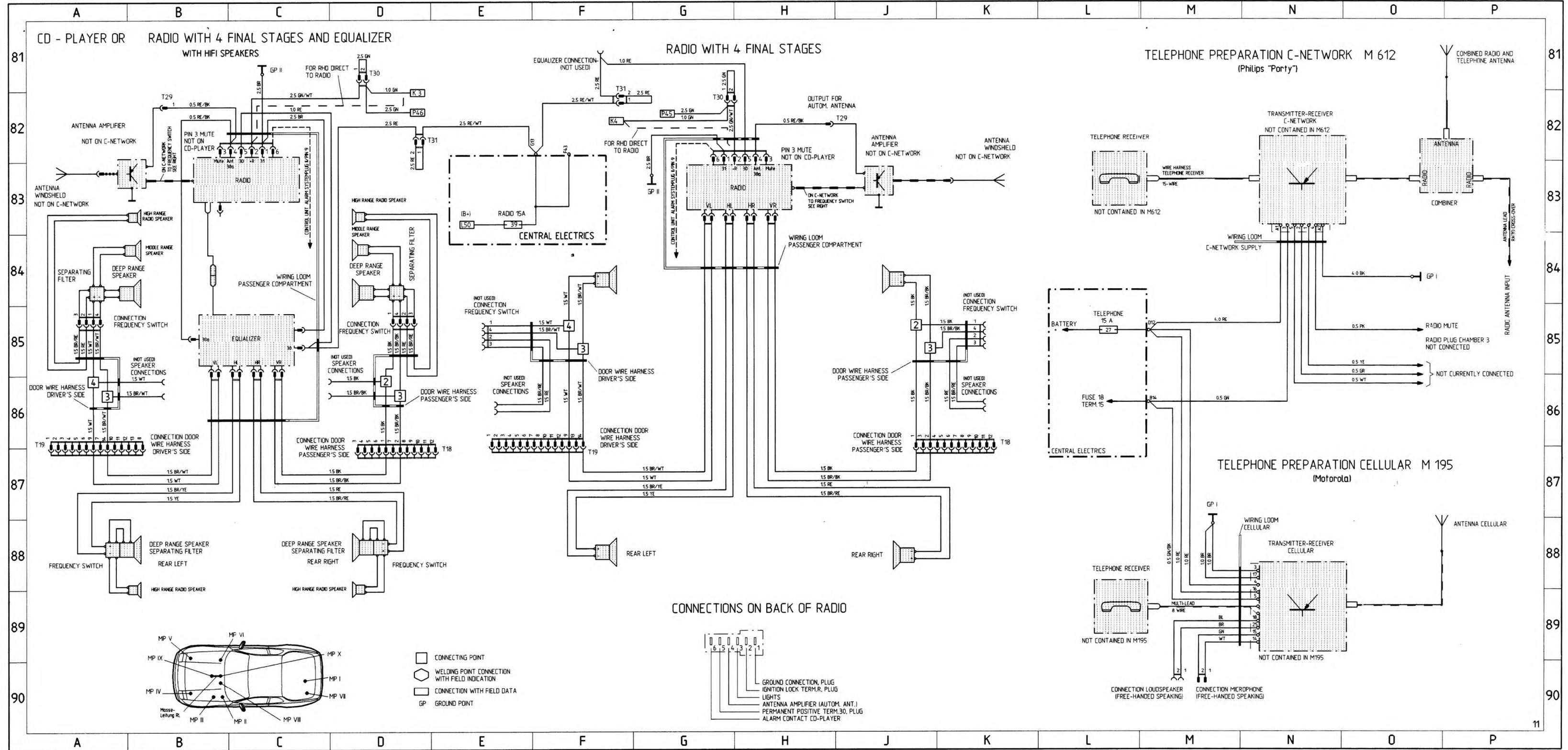
CENTRAL LOCKS, ALARM SYSTEM



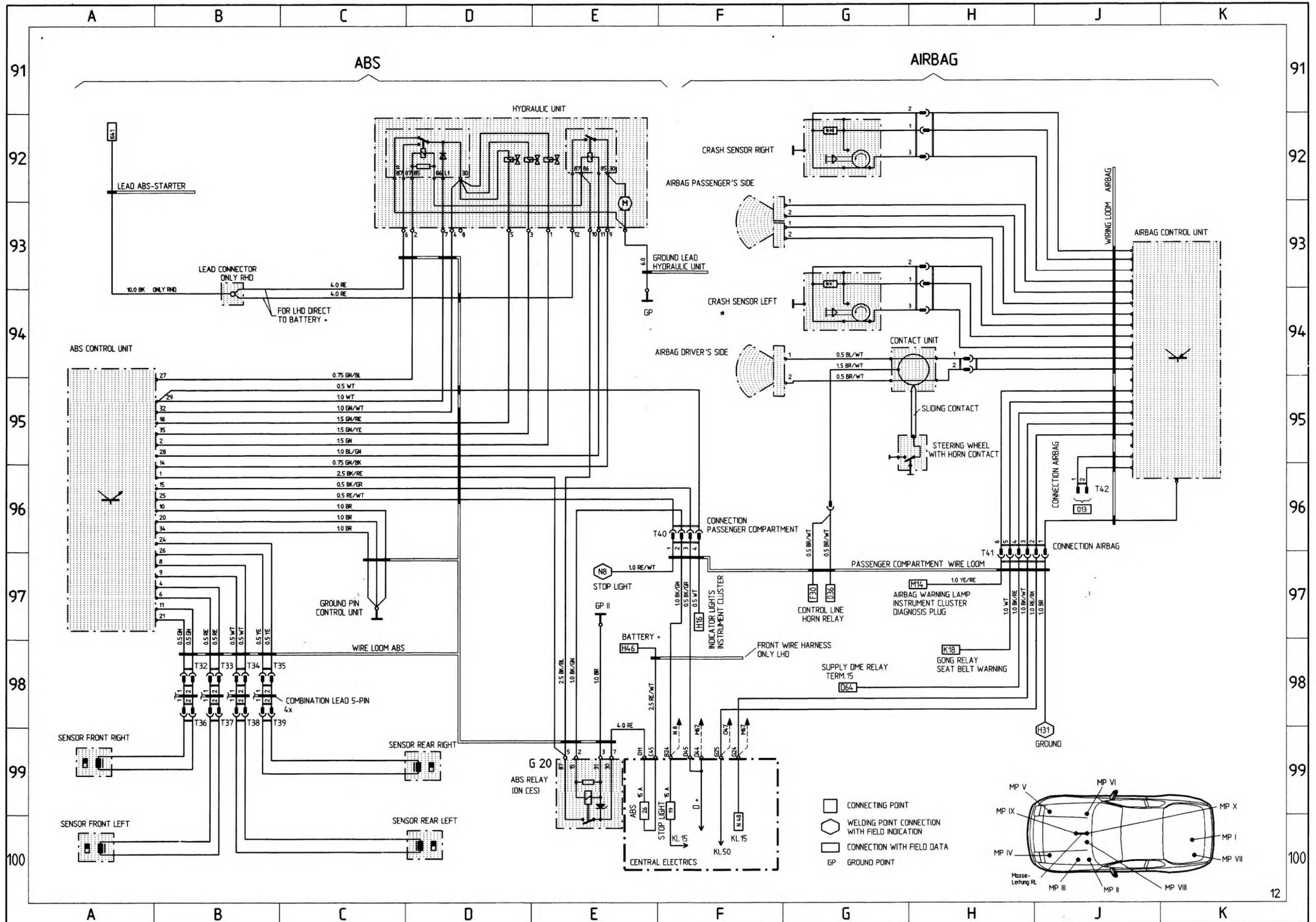
FOG LIGHT, REAR FOG LIGHT

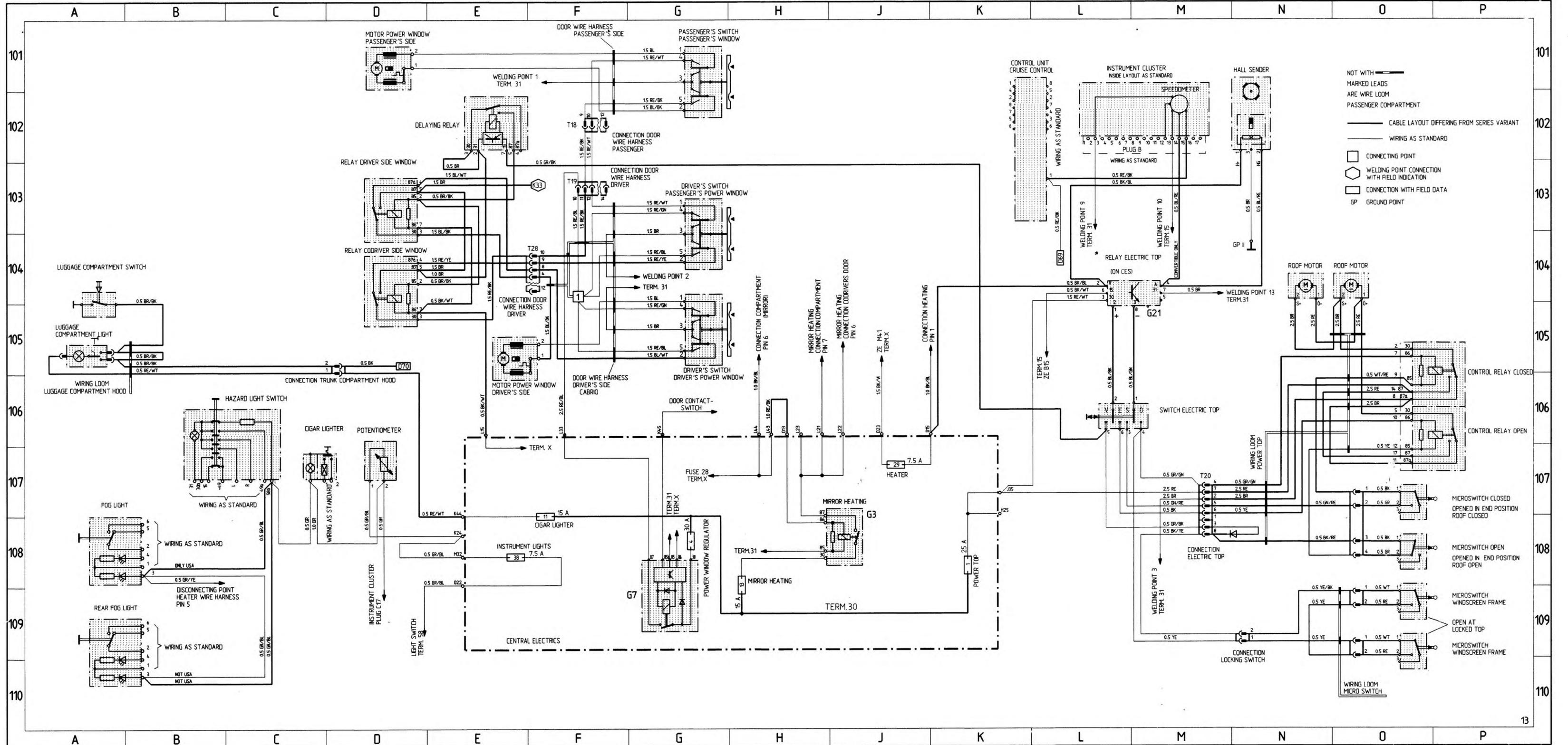


RADIO, TELEPHONE



ABS, AIRBAG



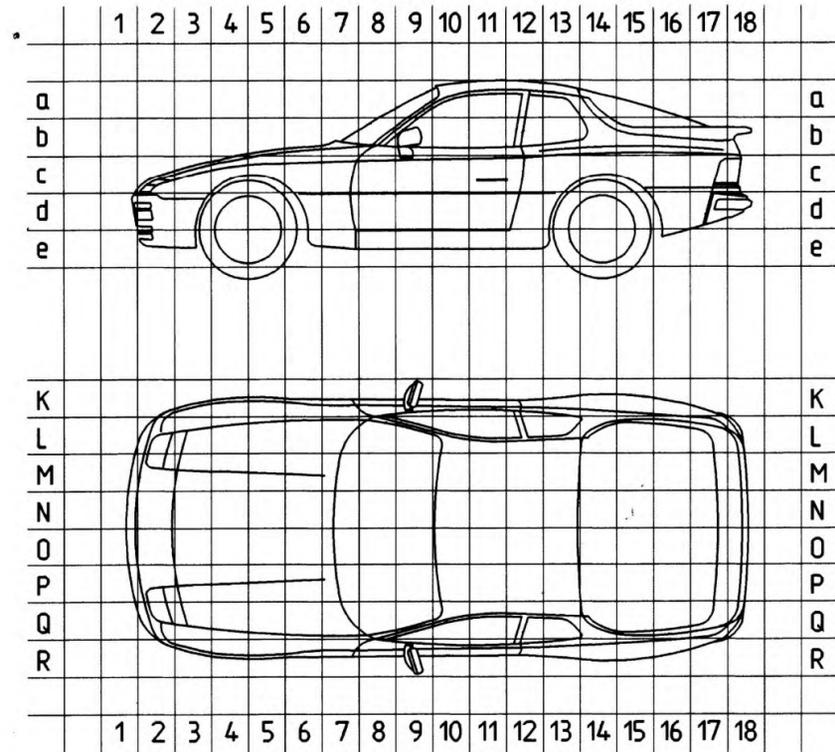


CONSTRUCTION COMPONENTS

CONSTRUCTION COMPONENTS

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
AIRBAG PASSENGER'S SIDE	9bM	—	ABOVE GLOVE BOX	F93
AIRBAG DRIVER'S SIDE	9bP	—	IN STEERING WHEEL	F94
ALARM HORN	7bL	7bL	IN WATER BOX	F69
ALARM SWITCH ENGINE HOOD	7bP	7bP	FIRE WALL LEFT	B69
ANTENNA AMPLIFIER	7cL	7cL	IN FOOTWELL, RIGHT SIDE	A/1/083
OUTSIDE TEMP. SENSOR	6cN	6cN	IN HEATER BOX	A23
BATTERY	6cL	—	IN WATER BOX	H42
BATTERY	—	16cR	IN BOHLMANN COMPARTMENT	H42
BRAKE FLUID LEVEL CONTROL SWITCH	6cP	6cM	IN BRAKE FLUID RESERVOIR	B19
STOP LIGHT SWITCH	7dP	7dM	TO FOOT CONTROLS	O9
CABRIO: MICRO SWITCH ROOF LATCH	10aM/P	10aM/P	IN WINDSCREEN FRAME	P109
CABRIO: MICRO SWITCH ROOF OPENED/CLOSED	13cL	13cL	CLOSE TO ROTATION POINT OF ROOF	O107/108
CABRIO: ROOF MOTOR	14cN/O	14cN/O	BELOW THE PARCEL TRAY	N104, O104
CABRIO: CONTROL RELAY MOTOR TOP OPEN/CLOSE	14cM	14cM	IN LUGGAGE COMPARTMENT ON FIREWALL	O106
CODES PLUG	7dM	7dP	IN PASSENGER'S FOOTWELL	E/F50
DIAGNOSIS PLUG	7dM	7dP	IN PASSENGER'S FOOTWELL	M12
SPEED REFERENCE MARK SENDER	6cN	6cN	ABOVE FLYWHEEL	A49
THROTTLE VALVE SWITCH	4/5cD	4/5cD	ON THROTTLE VALVE ASSEMBLY	A44
PRESSURE SWITCH AIR CONDITIONING SYSTEM	3dQ	3dQ	IN ENGINE COMPARTMENT FRONT LEFT	A24/25
CRASH SENSOR LEFT	7cQ	—	INSIDE FIREWALL LEFT	G94
CRASH SENSOR RIGHT	7cL	—	INSIDE FIREWALL RIGHT	G92
GAS PRESSURE PROP LEFT	15bQ	15bQ	ON TAILGATE	K25
GAS PRESSURE PROP RIGHT	15bL	15bL	ON TAILGATE	L26
GENERATOR	3cD	3cD	ON ENGINE	J41/42
SEAT BELT CONTACT	10dD	10dN	TO BELT BUCKLE	B15
HALL SENDER	14dD	14dD	ON GEARBOX	M16, N101
HALL SENDER F. CYL 1 RECOGNITION	3cM	3cM	ON TOOTHED BELT HOUSING OVER	A46
PARKING BRAKE CONTACT	9dR	9dK	ON HAND BRAKE LEVER	B15
TAILGATE UNLOCKING	18cM	18cM	IN LUGGAGE COMPARTMENT AT END-PANEL	G34/H34
LIFTING ROOF MOTOR W. CONTROL RELAY, MICRO SWITCH	16dQ	16dQ	IN BOHLMANN COMPARTMENT	K36/37/38
HORN 1	2dQ	2dQ	MUDGUARD FRONT LEFT	A39
HORN 2	2dQ	2dQ	MUDGUARD FRONT LEFT	A40
HORN CONTACT FOR AIRBAG	9bP	—	ON STEERING WHEEL	H95/K30
HYDRAULIC UNIT	7dK	7dK	IN MUDGUARD	D/E92
INSIDE TEMP. SENSOR BLOWER	8cP	8cP	IN CONTROL PANEL AREA	E21
CONCEALED HEADLIGHT MOTOR	3cM	3cM	IN ENGINE COMPARTM. BEHIND RIGHT CONCEALED HEADL.	A/B/9/10
AIR COMPRESSOR	3dD	3dD	ON ENGINE	A23
KNOCK SENSOR	5cN	5cN	ON ENGINE BLOCK	A47/48
CONTACT UNIT	9bP	—	ON STEERING WHEEL	H94
FUEL PUMP	15dL	15dL	ON BASE REAR RIGHT	N46
CLUTCH SWITCH	7dP	7dM	TO FOOT CONTROLS	N44
COOLING WATER TEMPERATURE SWITCH	2dP	2dP	ON RADIATOR	A30

DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
	LHD	RHD		
OXYGEN SENSOR	8eN	8eN	IN FRONT OF CATALYZER	A46
IDLE SPEED POSITIONER	5cD	5cD	IN ENGINE COMPARTMENT	A48
AIR FLOW SENSOR	3cP	3cP	IN ENGINE COMPARTMENT	A45
FAN MOTOR 1	3cN	3cN	ON RADIATOR	A28
FAN MOTOR 2	3cN	3cN	ON RADIATOR	A27
MICRO SWITCH ROOF CLOSED	10aD	10aD	IN ROOF	K40
ENGINE COMPARTMENT LIGHT	5bP	5bP	ON ENGINE HOOD	A1
MOTOR POWER WINDOW PASSENGER'S SIDE	9dK	9dR	IN PASSENGER'S DOOR	D101
MOTOR POWER WINDOW DRIVER'S SIDE	9dR	9dK	ON DRIVER'S DOOR	E106
OIL PRESSURE SENDER AND SWITCH	3dM	3dM	ON ENGINE BLOCK BELOW OIL FILTER	F47
OIL LEVEL WARNING SWITCH	6eN	6eN	UNDER THE ENGINE ON OIL PAN	F44
BACKUP LIGHT SWITCH	15dD	15dD	ON GEARBOX	O7
SWITCH TAILGATE UNLOCKING	7dQ	7dL	IN DRIVER'S FOOTWELL	F31
SWITCH CRUISE CONTROL	9bP	9bM	ON STEERING COLUMN	K44
LOCK CYLINDER LEFT	11cB	11cB	DOOR HANDLE LEFT	O67
LOCK CYLINDER RIGHT	11cK	11cK	DOOR HANDLE RIGHT	O63
TAILGATE UNLOCKING SWITCH	18bN	18bN	ON TAILGATE LOCK	G31
HEADLIGHT CLEANER PUMP	3dL	3dL	IN ENGINE COMPARTM. LOW ON WINDSHIELD WASHER TANK	A25
STARTER	7cN	7cN	ON CLUTCH BELL HOUSING	L41
DRIVE LEFT HEADLIGHT VERTICAL AIM CONTROL	2cP	2cP	ON HEADLIGHT LEFT	A7
DRIVE RIGHT HEADLIGHT VERTICAL AIM CONTROL	2cM	2cM	ON HEADLIGHT RIGHT	A6
DRIVE LEFT CENTRAL LOCK	11cR	11cR	IN DOOR LEFT	O68
DRIVE RIGHT CENTRAL LOCK	11cK	11cK	IN DOOR RIGHT	O64
DRIVE CRUISE CONTROL	6cL	6cL	IN ENGINE COMPARTMENT	K44
CONTROL UNIT ABS	7cL	7cL	IN FOOTWELL, RIGHT SIDE	A94
CONTROL UNIT AIRBAG	6cM	—	IN PASSENGER'S FOOTWELL	J93
CONTROL UNIT ALARM SYSTEM/CENTRAL LOCKING SYSTEM	6dM	6dP	IN PASSENGER'S FOOTWELL	D66
CONTROL UNIT DME	6dM	6dP	IN PASSENGER'S FOOTWELL	D46-49
CONTROL UNIT CRUISE CONTROL	7cR	7cR	IN LEFT FOOTWELL	M44/45, K101
BUZZER CONTACT	8cP	8cM	ON IGNITION LOCK	M18
TANK VENTING VALVE	6cQ	6cQ	94% CAT. ONLY IN ENGINE COMPARTMENT	A43
FUEL LEVEL SENDER	15cN	15cN	IN FUEL TANK	B17
TEMPERATURE SENSOR FOR CATALYZER	9eN	9eN	ON CATALYZER	B19
WASHING FLUID PUMP	3cL	3cL	TOP OF EXPANSION TANK IN ENGINE COMPARTMENT	A26
COOLANT TEMP. SWITCH AND SENDER	4dP	4dP	ON ENGINE BLOCK	E47
NTC COOLANT SENSOR	4cD	4cD	ON ENGINE BLOCK	A49
WIPER MOTOR	7bD	7bN	IN WATER BOX	H25
CENTRAL ELECTRICS	7bQ	7bQ	LEFT IN WATER BOX	A51-P60
IGNITION FINAL STAGE	3dQ	3dQ	IN ENGINE COMPARTMENT	G46
IGNITION LOCK	9bP	9bM	ON STEERING COLUMN	N44
IGNITION COIL	3cL	3cL	WHEEL HOUSING RIGHT FRONT	J45



PLUG CONNECTIONS

CODE	NUMBER OF PINS	DESIGNATION, FUNCTION	POSITION IN VEHICLE		NOTE	FIELD IN WIRING DIAGRAM
			LHD	RHD		
T1	14	WIRE HARNESS / PASSENGER COMPARTMENT	6dM	6dP	IN PASSENGER'S FOOTWELL	N14, EF45,46
T2						
T3						
T4	2	BRAKE PAD WEAR CONTACT FRONT RIGHT / COMBI. LEAD	5dL	5dR	LOW ON SHOCK ABSORBER	A15
T5	2	COMB. LEAD RIGHT / WH FRONT (BVA)	6cL	6cR	IN ENGINE COMPARTMENT	A16
T6	2	COMB. LEAD LEFT / WH FRONT (BVA)	6cQ	6cQ	IN ENGINE COMPARTMENT	A18
T7	2	BRAKE PAD WEAR CONTACT FRONT LEFT / COMBI. LEAD	5dQ	5dQ	LOW ON SHOCK ABSORBER	A19
T8	2	BRAKE PAD WEAR CONTACT REAR RIGHT / COMBI. LEAD	14dL	14dL	ON SEMI-TRAILING ARM	O15
T9	2	COMB. LEAD RIGHT / WH PASSENGER COMP.	15dM	15dM	ABOVE DRIVE SHAFTS ON	O16
T10	2	COMB. LEAD LEFT / WH PASSENGER COMP.	15dP	15dP	LUGGAGE COMPARTMENT PANEL	O18
T11	2	BRAKE PAD WEAR CONTACT REAR LEFT / COMBI. LEAD	14dQ	14dQ	ON SEMI-TRAILING ARM	O19
T12	6	WH HEATER, AIR CONDITIONING, PASSENGER COMP.	7cQ/N	7cQ/N	IN CONTROL PANEL AREA	D23
T13	6	WH PASSENGER COMPARTMENT / ENGINE HOOD	6bP	6bP	IN ENGINE HOOD	J27
T14	8	SEAT RIGHT / WH PASSENGER COMPARTMENT	11eM	11eM	LOW ON SEAT	L22
T15	8	SEAT LEFT / WH PASSENGER COMPARTMENT	11eP	11eP	LOW ON SEAT	N27
T16	4	REAR WINDOW WIPER, HIGH MOUNTED STOP LIGHT / WH PASSENGER COMP.	14cQ	14cQ	BEHIND C-PILLAR	O23
T17	3	HALL SENDER / DME	6cN	6cN	ON ENGINE REAR ONLY 944 4-VALVE	B46
T18	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	IN PASSENGER'S FOOTWELL	BC32, DK86, F102
T19	14	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	IN DRIVER'S FOOTWELL	BC34, AF87, F103
T20	8	WIRE HARNESS SUN ROOF / PASSENGER COMPARTMENT	16dQ	16dQ	IN BOHLMANN COMPARTMENT	H38, M107
T21	14	WIRE HARNESS DME / WIRE HARNESS FRONT	6cP	6cP	IN ENGINE COMPARTMENT	F48/49
T22	2	CODING PLUG / DME	6dM	6dP	IN PASSENGER'S FOOTWELL	E50
T23	3	PLUG FOR DATA FIELD CODING / DME	6dM	6dP	IN PASSENGER'S FOOTWELL	EF50
T24	2	WH ALTERN. STARTER / WH FRONT	6cQ	6cQ	IN ENGINE COMPARTMENT	J43
T25						
T26	19	DIAGNOSIS PLUG	6dL	6dO	IN PASSENGER'S FOOTWELL	N12
T27	12	WH PASSENGER'S DOOR / WH PASSENGER COMP.	7dK	7dR	IN PASSENGER'S FOOTWELL	M64
T28	12	WH DRIVER'S DOOR / WH PASSENGER COMP.	7dR	7dK	IN DRIVER'S FOOTWELL	M66, E104
T29	1	ANTENNA AMPLIFIER / WH PASSENGER COMP.	7cQ	7cQ	BEHIND THE RADIO	B82, H82
T30	2	COIL FOR RADIO / OR CONTACT BRIDGE	8cP	—	UNDER THE STEERING COLUMN	D81, G82
T31	2	COIL FOR AMPLIFIER / OR CONTACT BRIDGE	8cP	—	UNDER THE STEERING COLUMN	D82, F82
T32	2	WH ABS / COMBINATION LEAD FR	6cL	6cL	IN ENGINE COMPARTMENT	B98
T33	2	WH ABS / COMBINATION LEAD FL	6cQ	6cQ	IN ENGINE COMPARTMENT	B98
T34	2	WH ABS / COMBINATION LEAD RL	15dP	15dP	ABOVE DRIVE SHAFTS	B98
T35	2	WH ABS / COMBINATION LEAD RR	15dM	15dM	ON LUGGAGE COMPARTMENT PANEL	B98
T36	2	COMB. LEAD FR / ABS-SENSOR FR	5dL	5dL	LOW ON SHOCK ABSORBER	B98
T37	2	COMB. LEAD FL / ABS-SENSOR FL	5dQ	5dQ	LOW ON SHOCK ABSORBER	B98
T38	2	COMB. LEAD RL / ABS-SENSOR RL	14dQ	14dQ	ON SEMI-TRAILING ARM	B98
T39	2	COMB. LEAD RR / ABS-SENSOR RR	14dL	14dL	ON SEMI-TRAILING ARM	B98
T40	4	WH PASSENGER COMPARTMENT / WH ABS	6dM	6dM	IN FOOTWELL, RIGHT SIDE	F96
T41	6	WH PASSENGER COMPARTMENT / WH AIRBAG	6dM	—	IN PASSENGER'S FOOTWELL	HJ97
T42	2	WH PASSENGER COMPARTMENT / WH AIRBAG	6cM	—	IN PASSENGER'S FOOTWELL	J96, O13
T43	2	MICRO SWITCH SUN ROOF / WH PASSENGER COMPARTMENT	10aQ	10aQ	IN ROOF	H40
T44	3	OXYGEN SENSOR / DME	6cN	6cN	ON ENGINE REAR	B46/47
T45						
T46						
T47	3	SPEED-REFERENCE MARK SENDER / DME	6cN	6cN	ON ENGINE REAR ONLY 944 4-VALVE	B49

GROUND POINTS

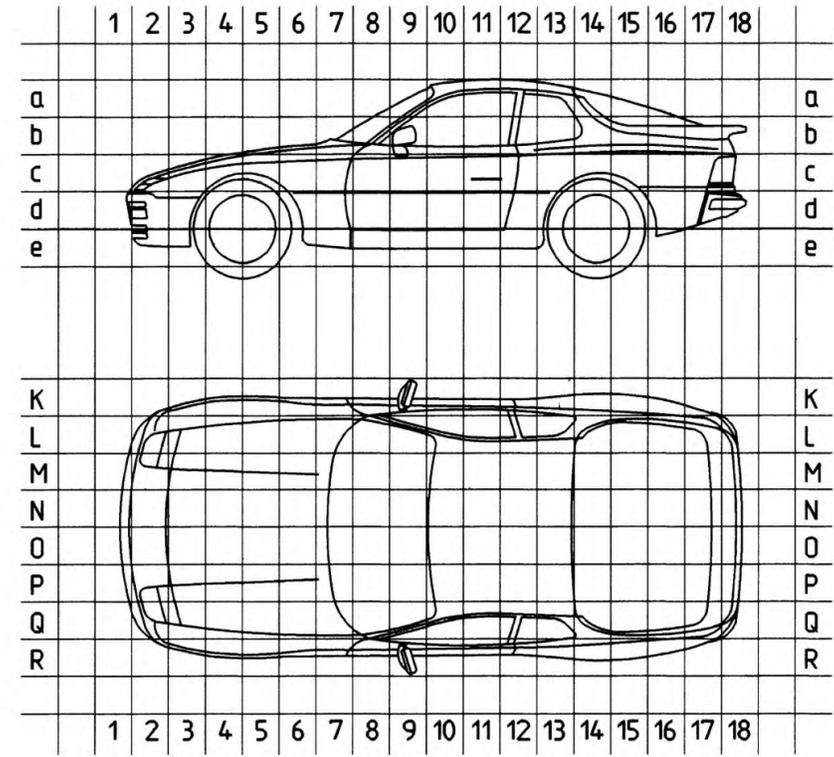
CODE	DESIGNATION, FUNCTION	POSITION IN VEHICLE	
		LHD	RHD
GP I	COVER PANEL	18cQ	18cQ
GP II	INSIDE FIREWALL ELECTRONICS CHASSIS	7cP	7cP
GP III	INSIDE FIREWALL CABLE TO GROUND	7cP	7cP
GP IV	LONGITUDINAL SUPPORT	3dP	3dP
GP V	LONGITUDINAL SUPPORT	3dM	3dM
GP VI	BODY BATTERY LHD	6cL	—
GP VII	BODY BATTERY RHD	—	16cQ
GP VIII	ENGINE BLOCK DME ELECTRONICS CHASSIS	6cQ	6cQ
GP IX	CLUTCH BELL HOUSING BATTERY LEAD LHD + DME CABLE TO GROUND	7cQ	7cQ
GP X	BODY RHD FIREWALL	—	7cQ

ABBREVIATIONS

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

M - NUMBERS

M 027	CALIFORNIA VERSION	M 479	AUSTRALIAN VERSION
M 113	CANADA VERSION	M 481	TRANSMISSION
M 139	SEAT HEATER SEAT LEFT	M 484	USA VERSION
M 150	WITHOUT CATALYZER	M 490	AUDIO OPTION PACK WITHOUT BOOSTER
M 193	JAPAN VERSION	M 533	ALARM SYSTEM
M 215	SAUDI-ARABIA VERSION	M 553	USA - CANADA VERSION
M 249	AUTOMATIC TRANSMISSION	M 562	AIRBAG
M 288	HEADLIGHT CLEANING SYSTEM	M 573	AIR CONDITIONING SYSTEM
M 340	SEAT HEATER SEAT RIGHT	M 593	ABS
M 383	SPORT SEAT LEFT	M 605	HEADLIGHT VERTICAL AIM CONTROL
M 387	SPORT SEAT RIGHT	M 650	LIFTING ROOF
M 454	CRUISE CONTROL	M 900	TOURIST VEHICLES



**Wiring diagram for 944 turbo Cabriolet**

The wiring diagram of the 944 turbo, 944 S2 MY '90 is also valid for the 944 turbo Cabriolet, MY '91.

# Wiring Diagram Type 924 S Model 88

## COORDINATES

<b>PAGE 1</b>	1 - 10	LIGHTS USA
<b>PAGE 2</b>	1 - 10	LIGHTS ROW
<b>PAGE 3</b>	11 - 20	INSTRUMENT CLUSTER, SENDER, LIFTING ROOF
<b>PAGE 4</b>	21 - 30	OUTSIDE MIRROR, COOLANT FAN MOTOR, HEATER
<b>PAGE 5</b>	31 - 40	AIR CONDITIONING, POWER WINDOW REG., ALARM SYSTEM
<b>PAGE 6</b>	41 - 50	AIR CONDITIONING SYSTEM RHD
<b>PAGE 7</b>	51 - 60	ENGINE COMPARTMENT, CRUISE CONTROL
<b>PAGE 8</b>	61 - 70	CENTRAL ELECTRIC
<b>PAGE 9</b>	71 - 80	RADIO

# Wiring Diagram Type 924 S Model 88

The wiring diagram consists of nine individual wiring diagrams. These are divided into coordinate fields.

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

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

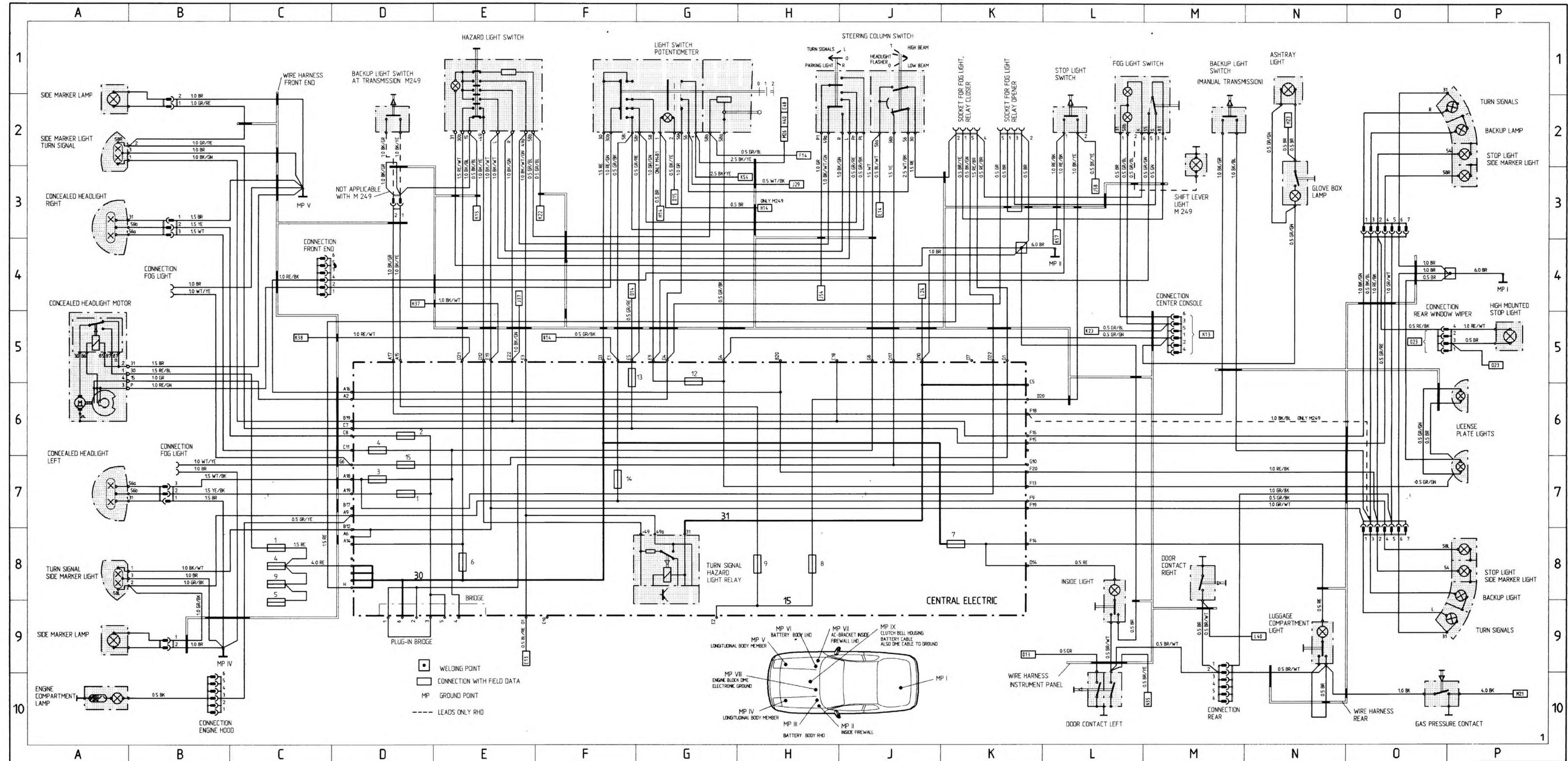
The earth/ground points are identified by "MP" and their location is shown in a vehicle diagram.

# Wiring Diagram Type 924 S Model 88 page 1

LIGHTING USA  
COORDINATES

1 - 10

LIGHTS USA



# Wiring Diagram Type 924 S Model 88 page 2

LIGHTING ROW  
COORDINATES

1 - 10



# Wiring Diagram Type 924 S Model 88 page 3

INSTRUMENT CLUSTER, SENDER, LIFTING ROOF

COORDINATES

11 - 20



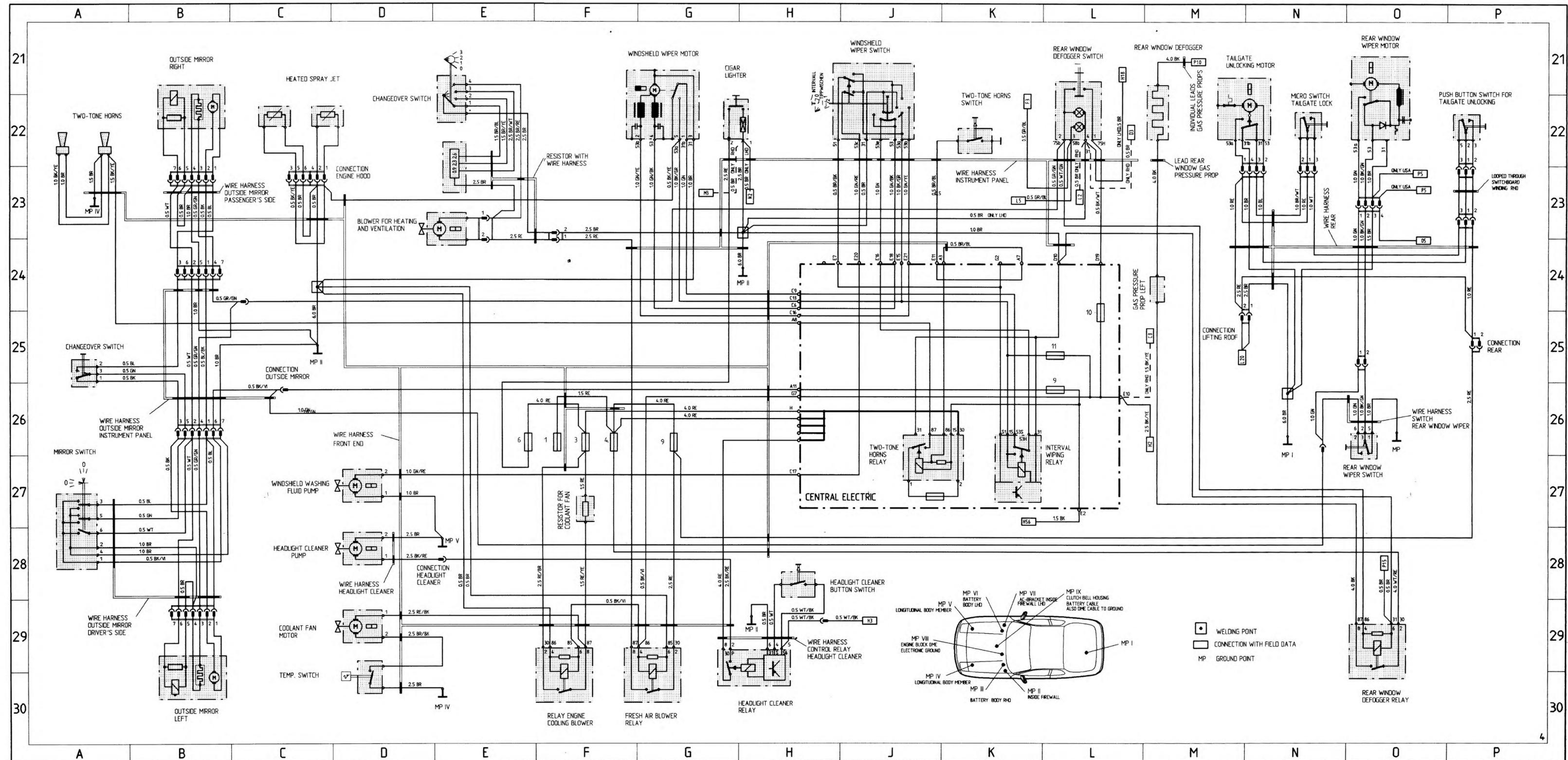
# Wiring Diagram Type 924 S Model 88 page 4

OUTSIDE MIRROR, COOLANT FAN MOTOR, HEATER

COORDINATES

21 - 30

OUTSIDE MIRROR, COOLANT FAN MOTOR, HEATER



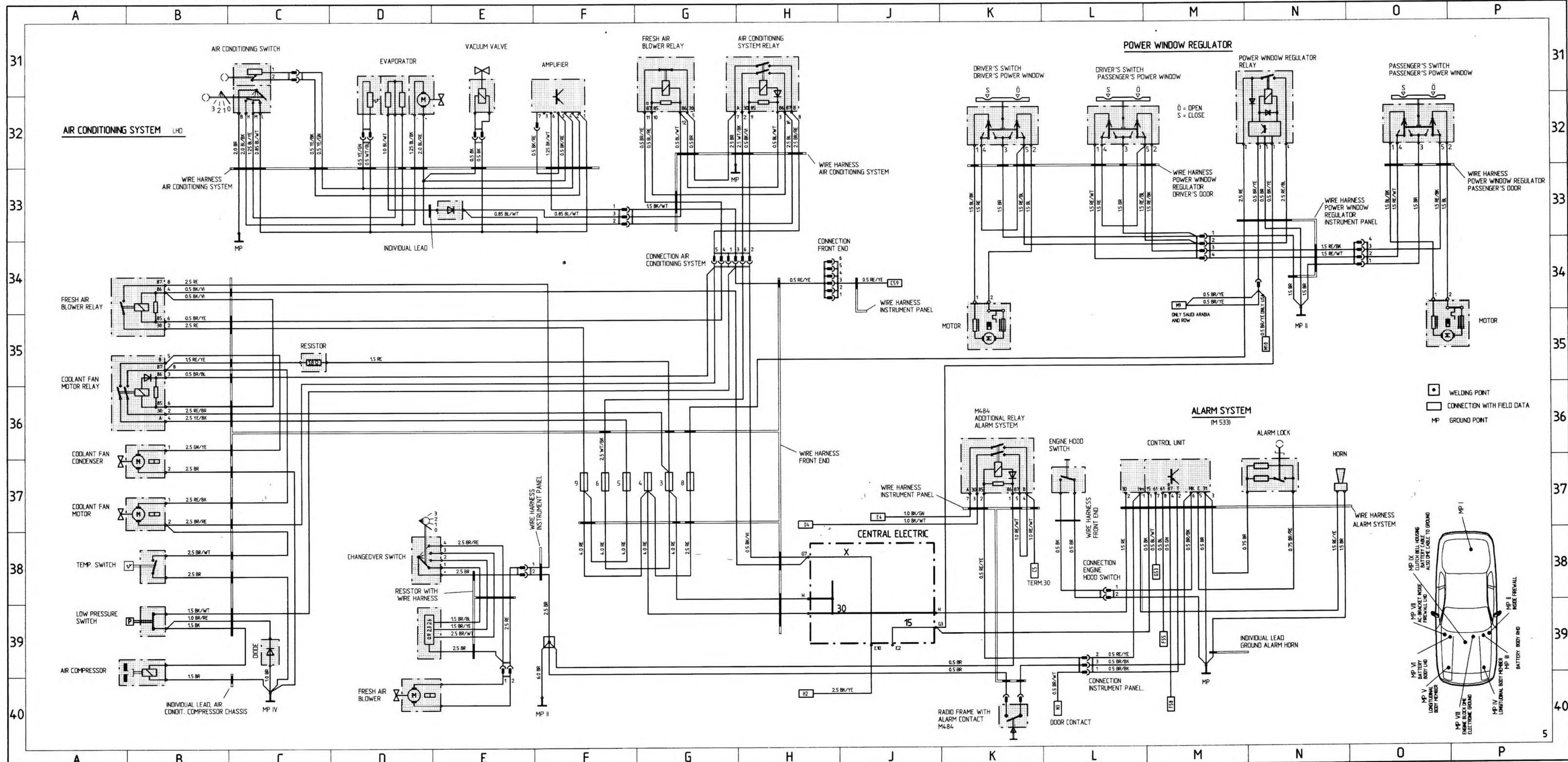
# Wiring Diagram Type 924 S Model 88 page 5

AIR CONDITIONING, POWER WINDOW REG., ALARM SYSTEM

COORDINATES

31 - 40

AIR CONDITIONING, POWER WINDOW REG., ALARM SYSTEM



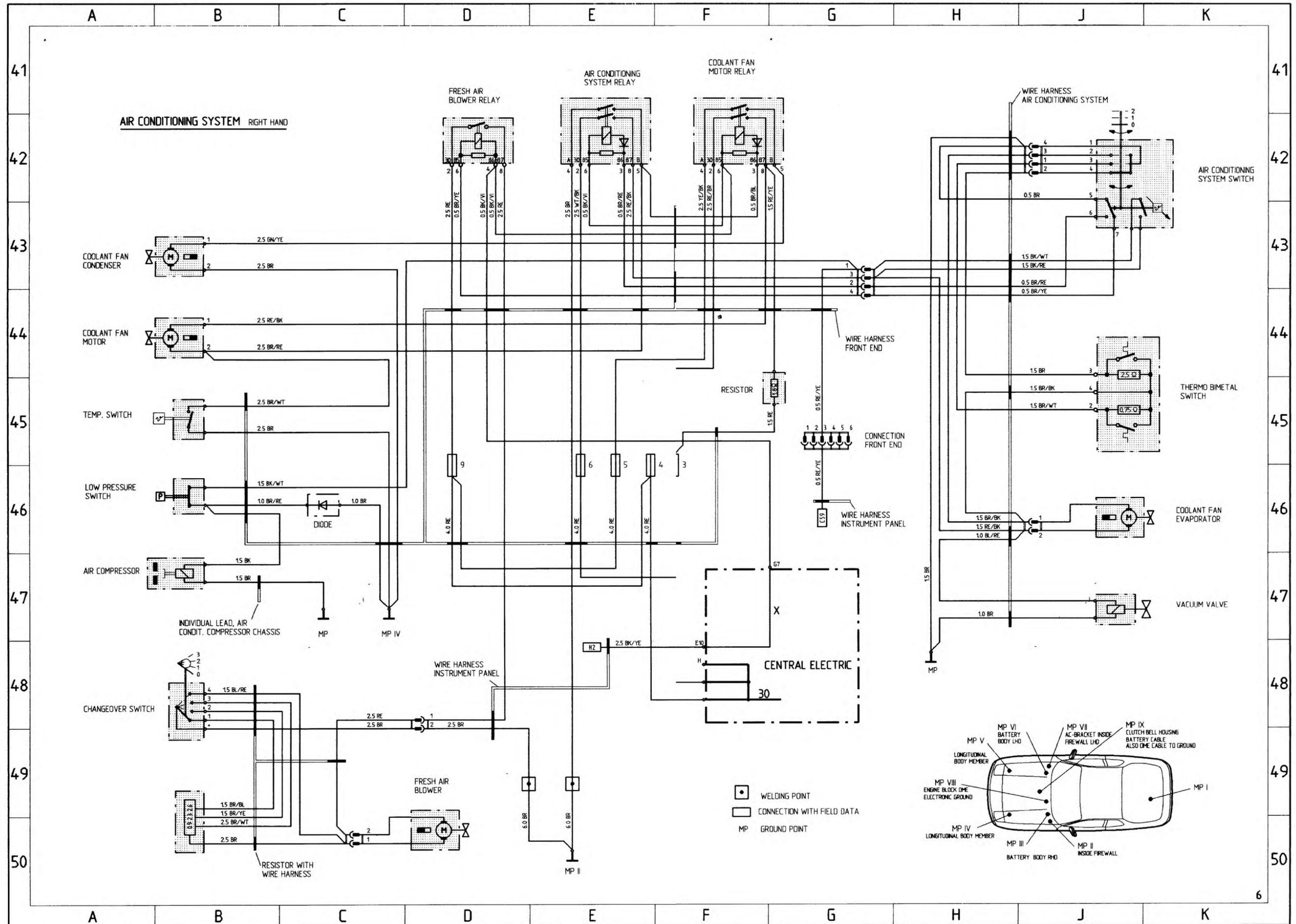
# Wiring Diagram Type 924 S Model 88 page 6

AIR CONDITIONING SYSTEM RHD

COORDINATES

41 - 50

AIR CONDITIONING SYSTEM RHD



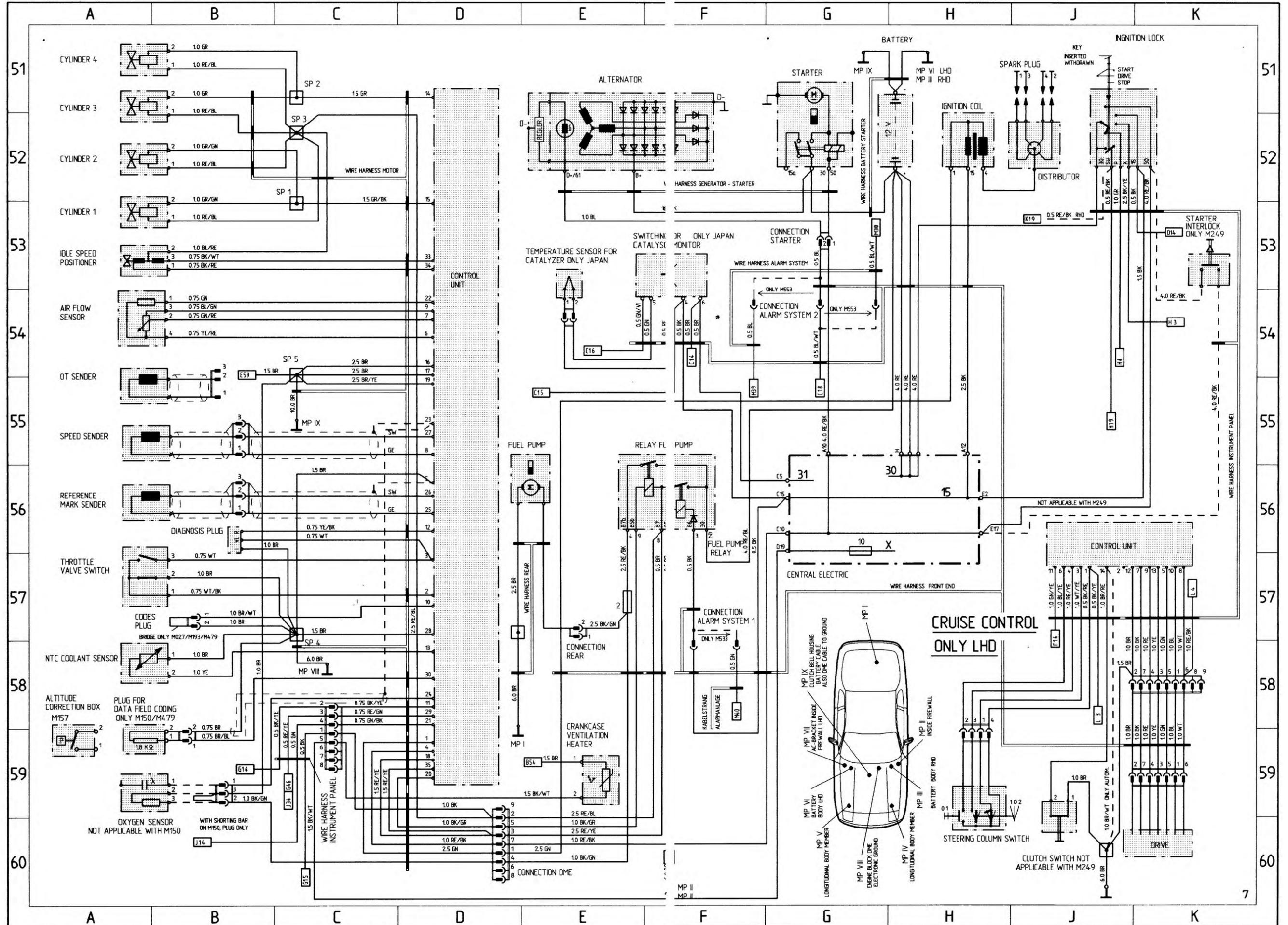
# Wiring Diagram Type 924 S Model 88 page 7

ENGINE COMPARTMENT, CRUISE CONTROL

COORDINATES

51 - 60

## ENGINE COMPARTMENT, CRUISE CONTROL



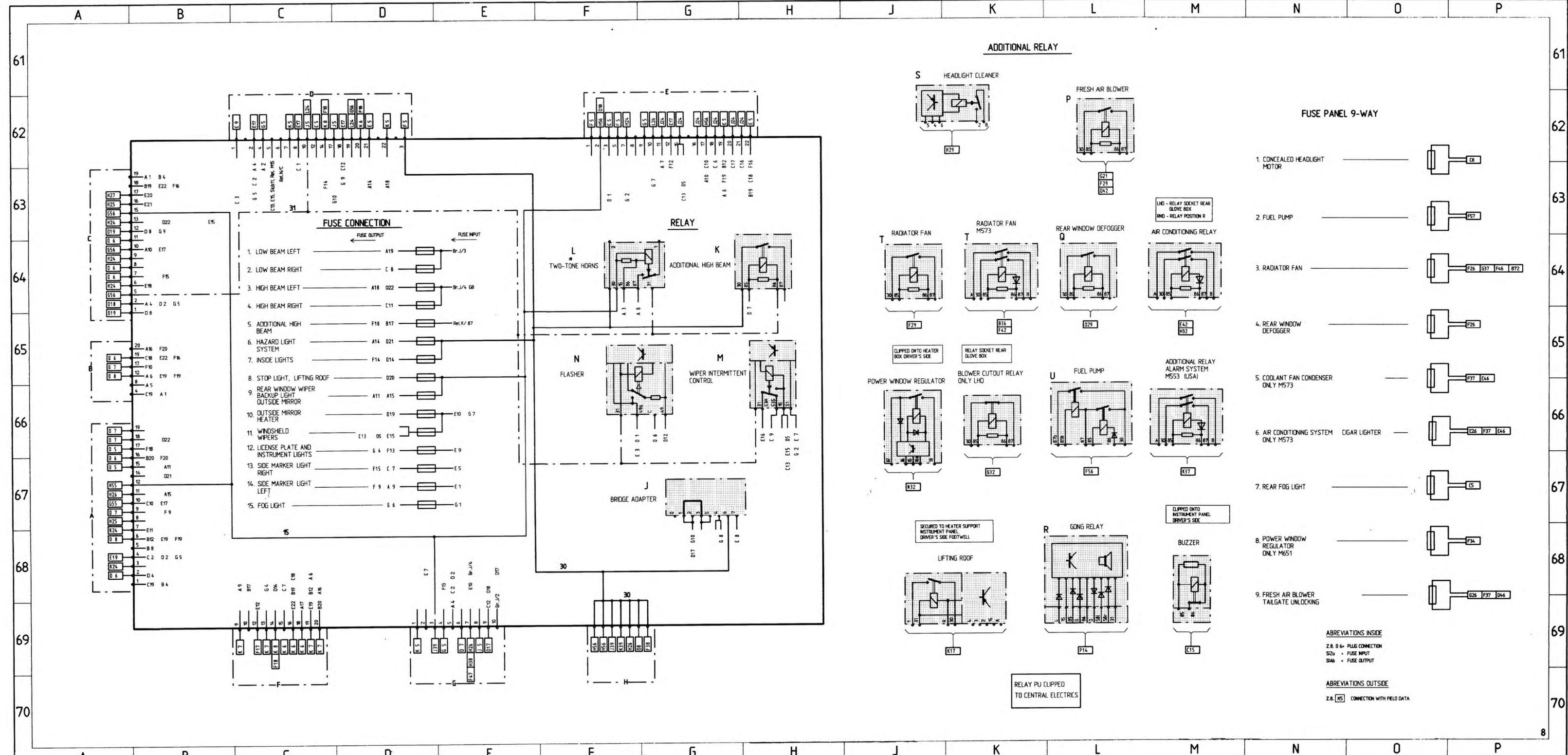
# Wiring Diagram Type 924 S Model 88 page 8

CENTRAL ELECTRIC

COORDINATES

61 - 70

CENTRAL ELECTRIC



- FUSE PANEL 9-WAY**
- 1. CONCEALED HEADLIGHT MOTOR
  - 2. FUEL PUMP
  - 3. RADIATOR FAN
  - 4. REAR WINDOW DEFOGGER
  - 5. COOLANT FAN CONDENSER ONLY M573
  - 6. AIR CONDITIONING SYSTEM CIGAR LIGHTER ONLY M573
  - 7. REAR FOG LIGHT
  - 8. POWER WINDOW REGULATOR ONLY M651
  - 9. FRESH AIR BLOWER TAILGATE UNLOCKING

**ABBREVIATIONS INSIDE**  
 Z.B. D 6+ PLUG CONNECTION  
 SZU = FUSE INPUT  
 SA0 = FUSE OUTPUT

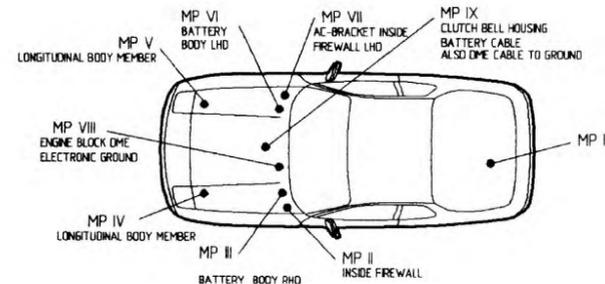
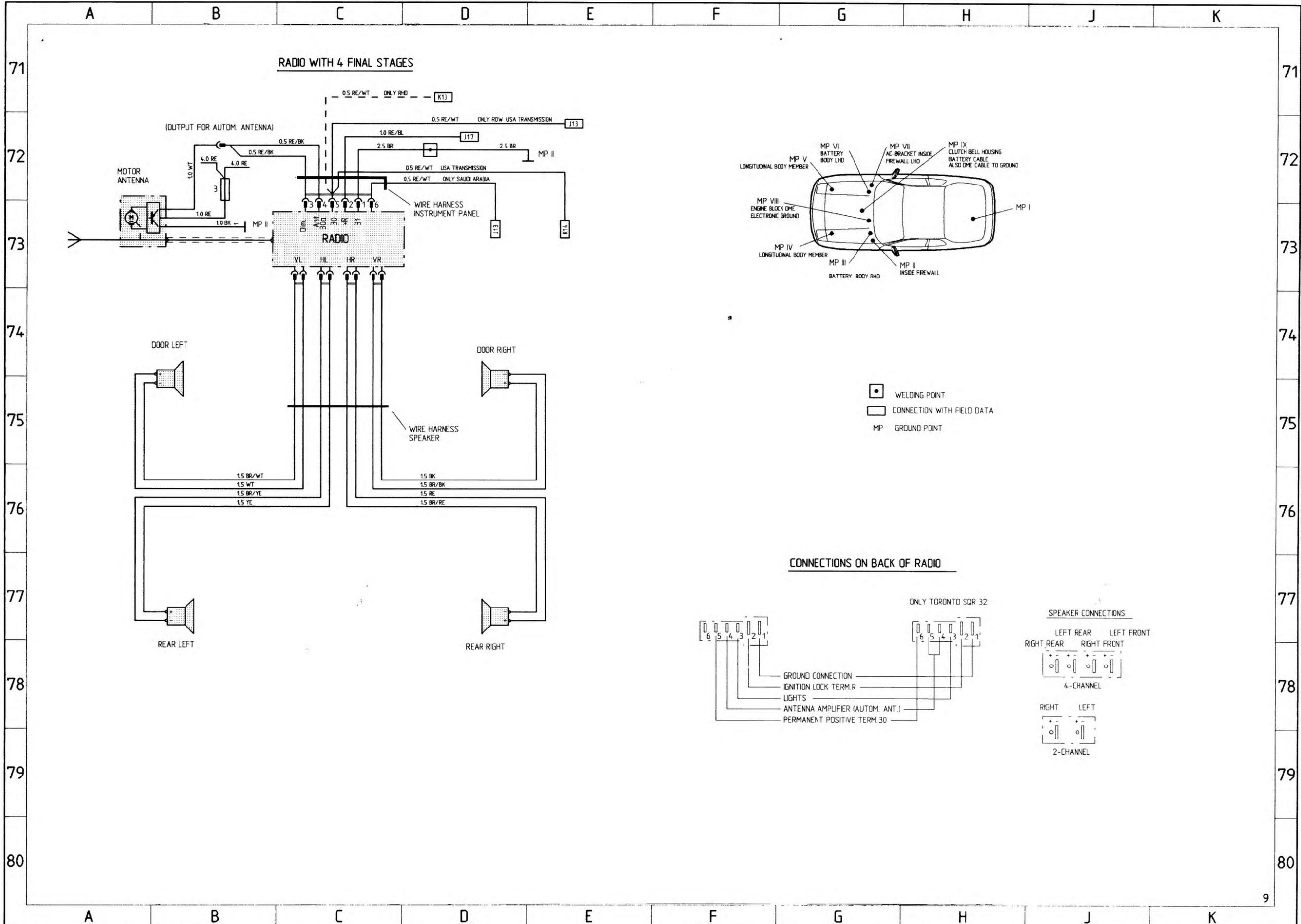
**ABBREVIATIONS OUTSIDE**  
 Z.B. KS CONNECTION WITH FIELD DATA

# Wiring Diagram Type 924 S Model 88 page 9

RADIO  
COORDINATES

71 - 80

RADIO



- ◻ WELDING POINT
- ◻ CONNECTION WITH FIELD DATA
- MP GROUND POINT

**CONNECTIONS ON BACK OF RADIO**

