Workshop Manual

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

List of Repair Groups 944

Printed in Germany - XXI, 1989

Page

Instruments, Consumption indicators, Burglar alarm

Radio, Telephone, On-board computer

Windshield wipers and washer

Exterior lights

Wiring

Printed in Germany – XXII, 1989

Page

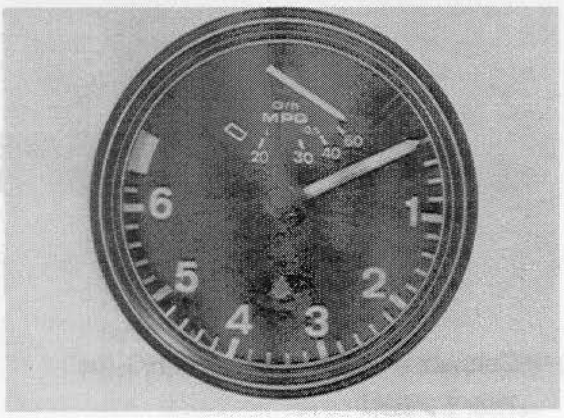
Printed in Germany – XXII, 1989

ECONOMY CONTROL

UPSHIFT INDICATOR (Extra for USA Cars with Manual Transmission)

Description and Troubleshooting

Both systems are integrated in the tachometer.



Economy Control

The economy control displays the instantaneous fuel consumption in ltr./100 km (miles per gallon) or ltr./hour (gallons per hour) depending on road speed and injection time (t_i = signal of fuel injectors).

Upshift Indicator

The upshift indicator lights up when it is practicle and economical to shift up into the next higher gear. It works in gears 1 through 4 and remains on until the next higher gear is selected or the operating condition causing display changes (e. g. coasting, full throttle, etc.).

The indicator lamp is designed for good recognition in daylight and will have less brightness when main lights are switched on.

The electronic control for both systems is housed in the tachometer and, as also the indicator lamp, cannot be replaced separately.

Signals Required for Operation

Economy Control
- Road speed (hall sensor signal) from speedometer
- Injection signal (t_i signal) from DME control unit

Upshift Indicator
- Engine speed (ignition term. 1)
- Coolant temperature
- Road speed (hall sensor signal) from speedometer
- Injection time (t_i signal) from DME control unit

TROUBLESHOOTING ECONOMY CONTROL

1. Check voltage on two-pin plug next to the DME control unit.

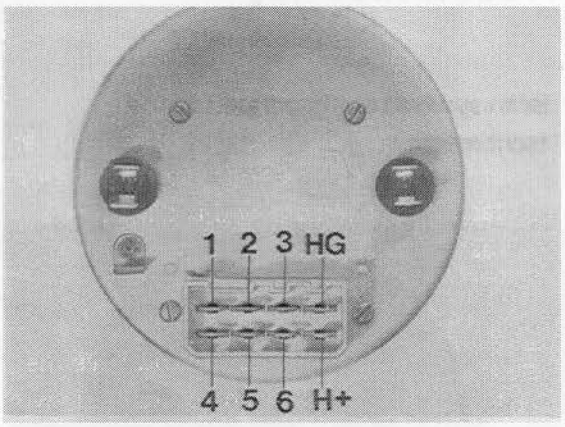
A = Plug for economy control and upshift indicator (square version)

B = Plug for altitude correction box USA (round version)

Term. 1 (black wire) should have battery voltage with ignition turned on.

2. Term. 2 of two-pin plug will have the injection signal with the engine running and it can be seen with help of an oscilloscope.
   The injection signal is a square-wave signal, which increases in width as speed picks up.

3. The tachometer must be removed (plugs remain connected) to measure the hall sensor signals in the speedometer.
   Term. 5 and H + should have battery voltage with ignition turned on.



4. Connect voltmeter on term. HG (hall sensor pulse).
   Lift and turn left front wheel slowly by hand.
   Voltage should rise and drop four times from less than 1 volt to more than 6 volts for each wheel revolution (square-wave pulses).

TROUBLESHOOTING UPSHIFT INDICATOR

If the upshift indicator malfunctions, perform same tests as for troubleshooting the economy control.

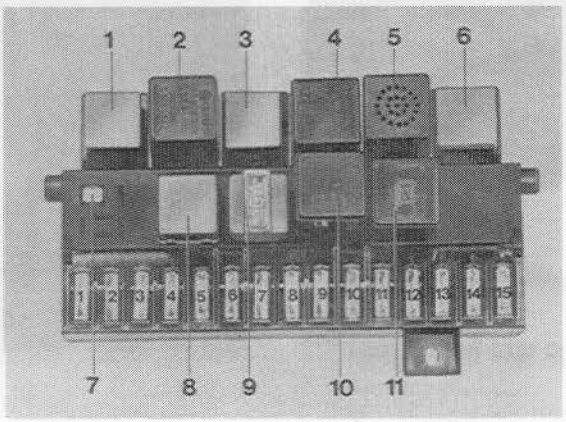
Additional Tests:

1. Coolant temperature gauge in instrument cluster must be okay. Signal comes from tachometer term. 4 and is sent to the instrument cluster.

2. Term. 6 of tachometer should have the ignition pulse (ignition coil term. 1) with the engine running.

If a defect is not found after troubleshooting the economy control or upshift indicator, check power flow in wires and contact of wires or, if necessary, replace tachometer.

RELAY ARRANGEMENT — Since 1984 Models



1 — Relay for fan

2 — Relay for fuel pump

3 — Relay for blower

*4 — Relay for headlight cleaners

*5 — Warning time relay with gong (USA)
Catalytic converter monitoring control unit (Japan)

6 — Relay for rear window defogger and seat belts

7 — Plug bridge (term. 56 — 56 b)

8 — Relay for additional high beams

9 — Relay for horns

10 — Relay for intermittent action

11 — Relay for flashing lights

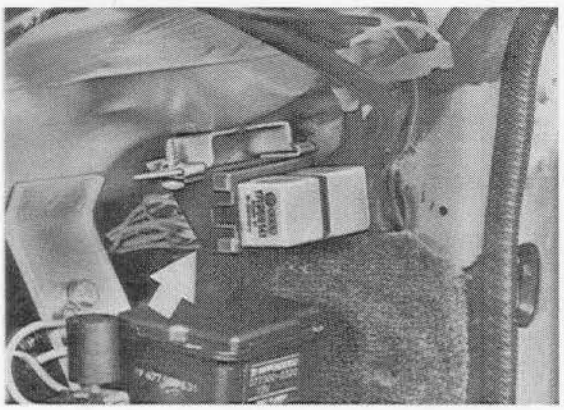
* Relays 4 and 5 changed since December, 1983

— Relay for power windows

— Relay for radio or radio and lifting roof

Installation Point:

Center console at bottom left behind trim.

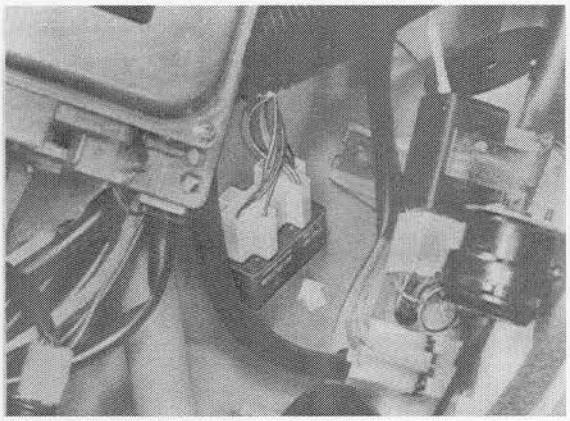


— Relay for air conditioner

— Relay for blower shutoff

Installation Point:

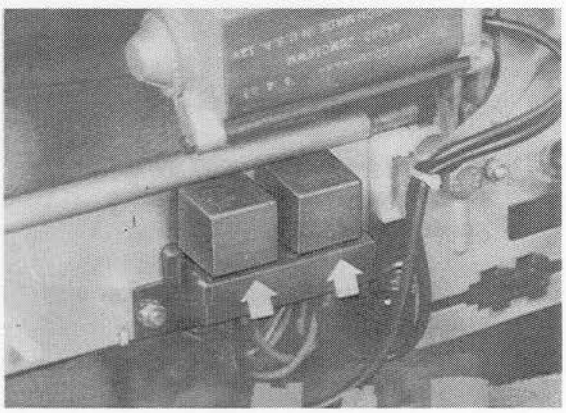
Below glove box of trim panel behind knee guard.



— Relay for front fog lamps

Installation Point:

Underneath instrument panel next to steering column.



— Relay for lifting roof

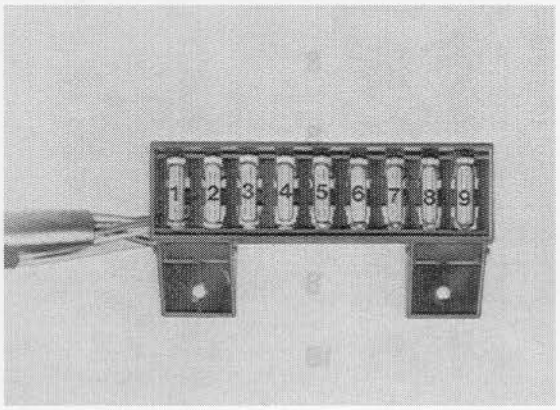
Installation Point:

In luggage compartment on left side behind trim panel.

FUSES ON CENTRAL ELECTRIC BOARD – Since 1984 Models

No.	Equipment	Amperes
1	Low beam, left	8
2	Low beam, right	8
3	High beam, left	8
4	High beam, right	8
5	Additional high beams	16
6	Hazard lights	8
7	Radio, clock, cigar lighter, inside lights	8
8	Stop lights	8
9	Backup lights, turn signal indicator lamps, outside mirror motor	8
10	Outside mirror heating, control wire for rear window defogger	16
11	Windshield wipers	8
12	Instrument lights, glove box light, ashtray light, license plate lights	8
13	Marker light, right	8
14	Marker light, left	8
15	Front fog lamps	16

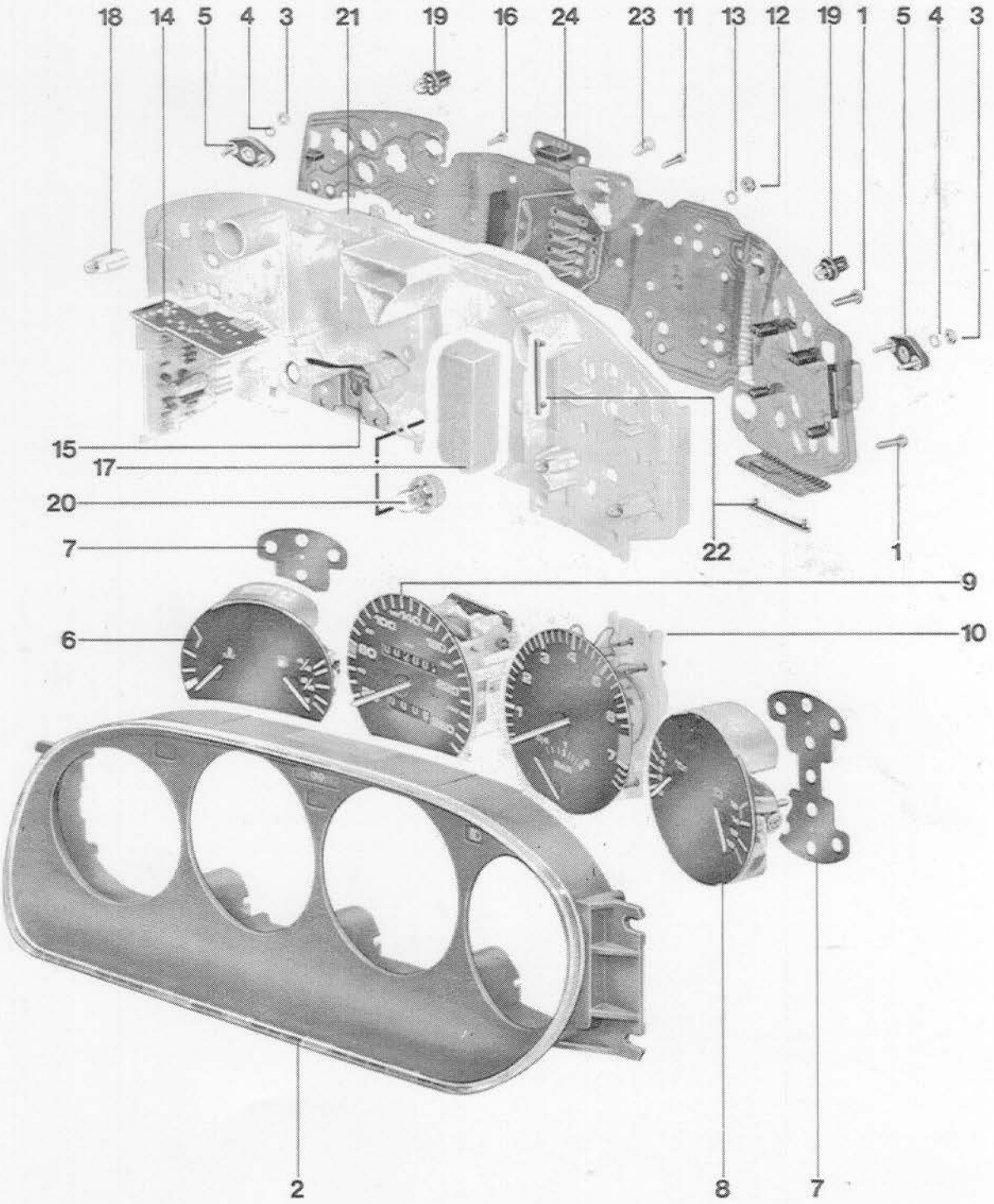
FUSES IN AUXILIARY FUSE BOX – Since 1984 Models



No.	Equipment	Amperes
1	Concealed headlight motor	16
2	Fuel pump	16
3	Blower motor	16
4	Rear window defogger	25
5	Condenser fan (air conditioner)	16
6	Compressor, evaporator fan	25
7	Rear fog light	8
8	Power windows	16
9	Blower, tailgate unlocking motor	25

INSTRUMENT CLUSTER SINCE 1985/2 MODELS

INSTRUMENT CLUSTER SINCE 1985/2 MODELS

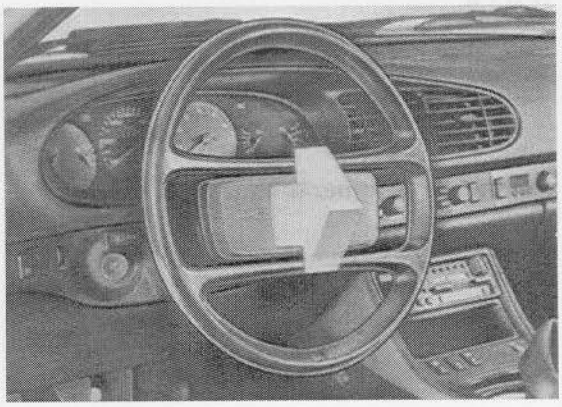


No.	Description	Qty.	Note When: Removing	Installing	Special Instructions
1	Phillips screw	9			
2	Housing	1			
3	Nut	4			
4	Washer	4			
5	Plug connector	4			
6	Temperature/fuel gage	1			
7	Gasket	2			
8	Voltmeter/oil pressure gage	1			
9	Speedometer	1	Take out carefully		
10	Tachometer	1			
11	Bolt (long)	7			
12	Nut	5			
13	Washer	5			
14	Printed circuit board	1			
15	Solenoid	1	Unweld spots carefully	Cement, if necessary	
16	Bolt (short)	2			
17	Foam rubber	1			
18	Light bulb with holder	4			1.2 W
19	Light bulb with holder	16			1.2 W

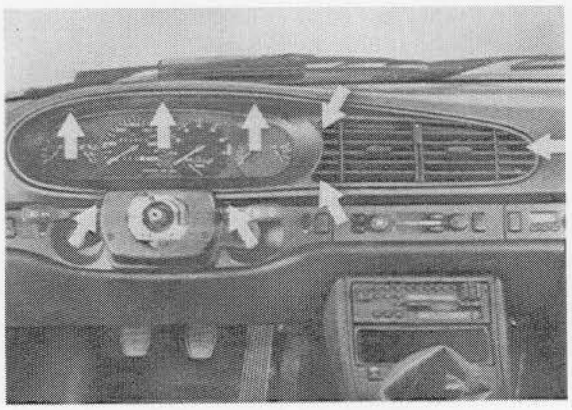
No.	Description	Qty.	Note When: Removing	Installing	Special Instructions
20	Light bulb with holder	3			2 W
21	Instrument carrier plate	1			
22	Printed circuit terminal	3			
23	Printed circuit terminal	4			
24	Printed circuit	1			

REMOVING AND INSTALLING INSTRUMENT CLUSTER SINCE 1985/2 MODELS

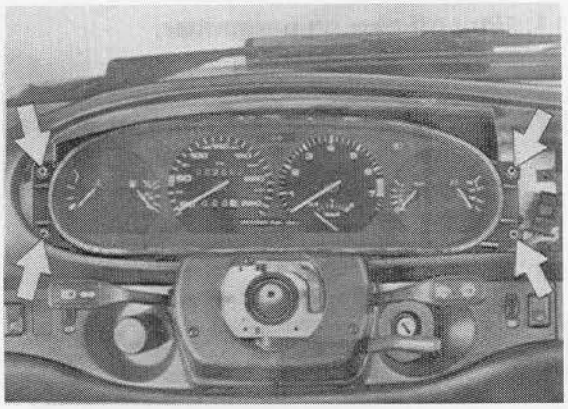
1. Pull off cover plate by hand. Unscrew nut and take off steering wheel.



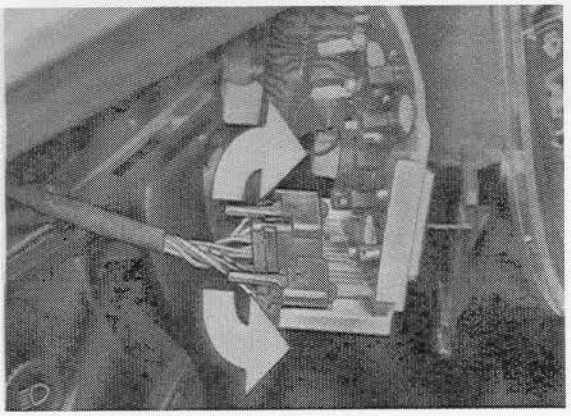
2. Unscrew and take off instrument cover.



3. Unscrew mounting screws on instrument cluster.



4. Unlock and take off plug connections on instrument cluster.

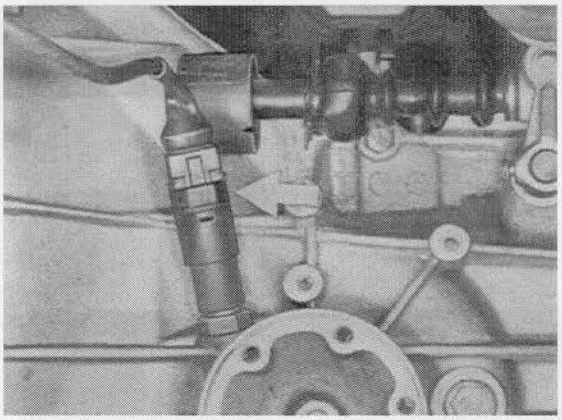


REMOVING AND INSTALLING TRANSMITTER FOR SPEEDOMETER

The transmitter is located on the left side of the transmission next to the axle shaft flange.

1. Pull off plug on transmitter.

2. Loosen and unscrew transmitter with a suitable tool. The bottom hexagon belongs to the mechanical drive of the transmitter.



Note

Check specified tightening torque when tightening the transmitter.

Tightening torque: 4 Nm.

Checking the instruments

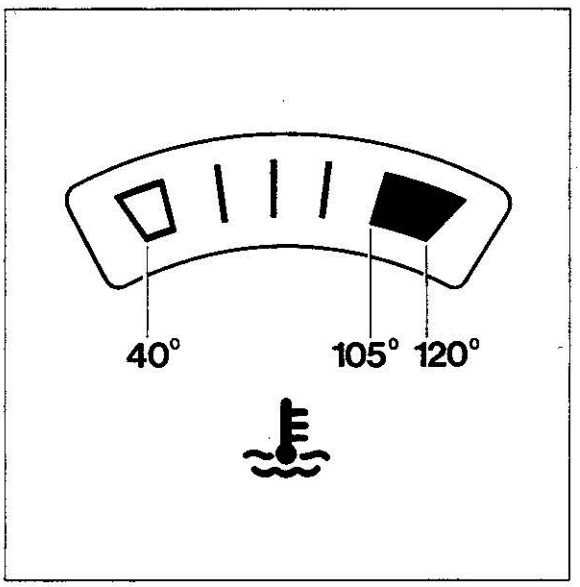
Models 82 - 85

You can check the indicators for coolant temperature, tank and oil pressure with the VAG 1301* test unit.
The connection cable must be disconnected from the relevant sensor for this.

The appropriate values are set on the test unit according to the following table. Switch on the ignition. If the instrument indicates the correct value, replace the sensor. If the instrument indicates an incorrect value or no value at all, check the cableto the instrument and replace the instrument if necessary. One pointer width to the rightor left is a permissible deviation.

* See workshop manual Chapter 3 Groups 9/10.

Coolant temperature (°C)	Test unit setting	Resistance (Ω)
40	557 - 558	287.4
105	46 - 47	33.6
120	24 - 25	22.7



73/90

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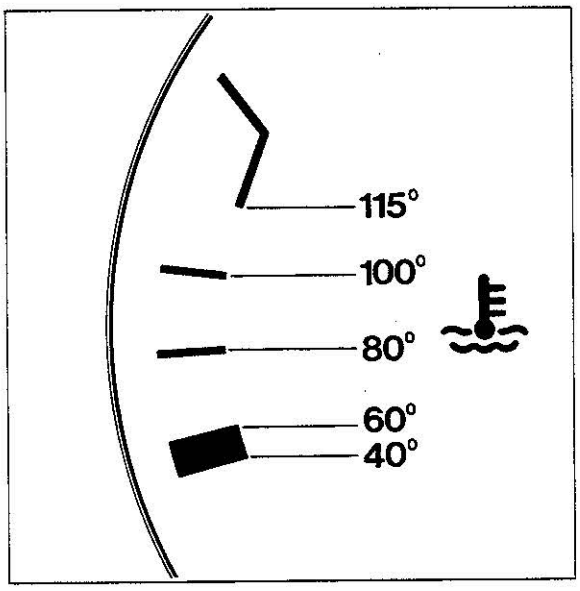
Tank	Test unit setting	Resistance (Ω)
RES	122 - 123	71.6
1/4	96 - 97	58.7
1/2	47 - 48	34.5
3/4	9 - 10	15,3
1/1	No setting possible	3.2

Oil pressure (bar)		
0	No setting possible	10.0
3	212 - 213	116.0
5	349 - 350	184.0

As from Model 85/2

Coolant temperature (°C)		
40	557 - 558	287.4
60	247 - 248	134.0
80	117 - 118	69.1
100	55 - 56	38.5
115	30 - 31	25.8



74/90

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Tank	Test unit setting	Resistance (Ω)
RES	105 - 106	63.2
1/4	63 - 64	42.2
1/2	21 - 22	21,2
3/4	No setting possible	8.6
1/1	No setting possible	2.8

Oil pressure bar		
1	37 - 38	29.6
2	110 - 111	65.3
3	177 - 178	98.9
4	246 - 247	133.6
5	349 - 350	184.0

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Checking burglar alarm

Model 89 onward

Note

The alarm control unit is located in the passenger's footwell behind the DEE control unit.

The following signals must be present at the alarm control unit terminals.

Input signals

1. Terminal 31: Ground
2. Terminal 30: Battery voltage
3. Terminal 15: Battery voltage with ignition switched on.

4. Terminal 61: Battery voltage with engine running.

5. Terminal T -: Ground with doors open or tailgate open.

6. Terminal MK: Ground with engine hood open or radio removed.

7. Terminal A: Ground with key in the lock cylinder of doors turned in "open" direction.

8. Terminal E: Ground when lock cylinder turned towards "closed".

Output signals

1. Terminal 87 a: Battery voltage with ignition switched on.

2. Terminal Hn: Battery voltage clocked with burglar alarm primed and triggered (permanently in Swiss vehicles).

Note

There is a relay in base G 18 of the central electric system in USA vehicles which operates fog lamps and brake lamps as a visual warning in addition to the alarm horn.

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Checking auxiliary control unit burglar alarm

Note

The auxiliary control unit is located in the central electric system.

Input signal

Check the input signal at the base, with relay removed.

1. Terminal 1: Ground with doors or tailgate open.

2. Terminal 3: Ground

3. Terminal 4: Battery voltage (Terminal 30)

4. Terminal 8: Ground with key in the lock cylinder (driver's or passenger's door) turned towards "closed" (only for as long as the lock cylinder is held in this position

5. Terminal 9: Ground when the lock cylinder is turned towards "open".

Output signals

The output signals may only be checked with the relay fitted.

1. Terminal 2: Ground if

a) ground at terminal 8

b) burglar alarm primed approx. 25 seconds after closing tailgate (short pulse of approx. 0.5 seconds only).

2. Terminal 5: Battery voltage

3. Terminal 6: Ground if ground at terminal 9.

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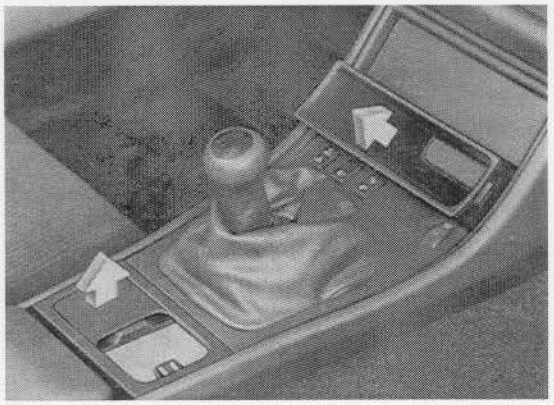
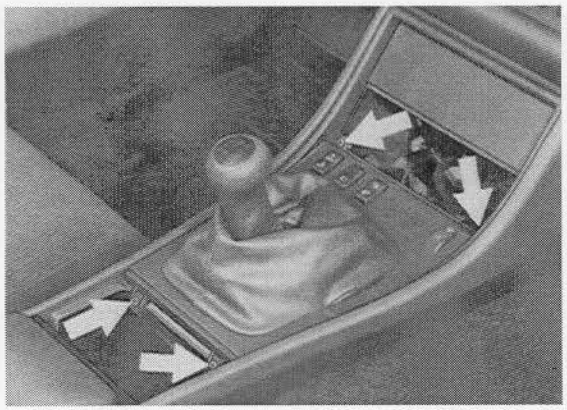
SERVICE INSTALLING RADIO SINCE 1985/2 MODELS PREPARED FOR RADIO INSTALLATION

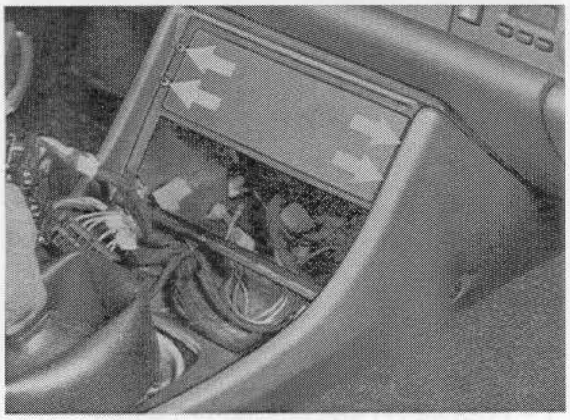
1. Pull out tray holder and astray.



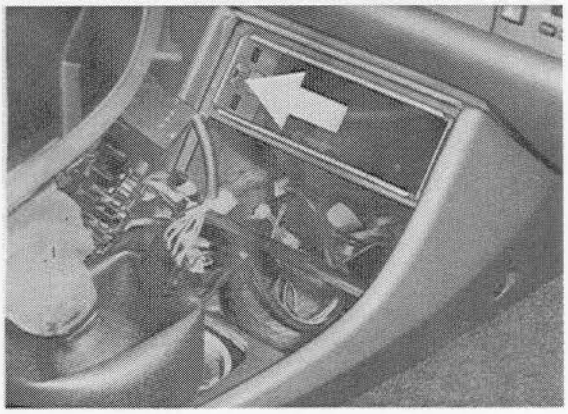
2. Unscrew mounting screws on cover frame of center console.



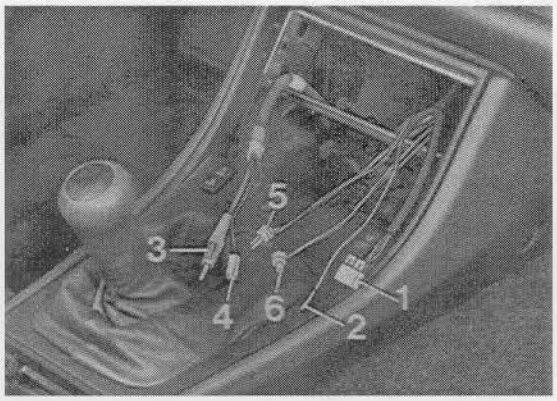
3. Remove mask on radio opening.



4. Insert holding frame for radio and bend in tabs with a screwdriver.



5. Connect radio.



1 = Positive (+) and ground (—) wired via the ignition lock.

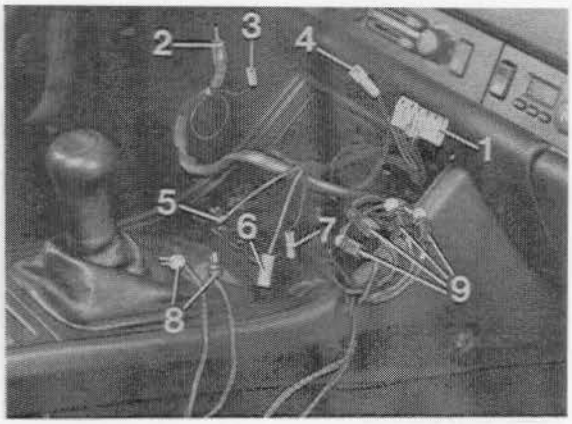
2 = Constant positive (+) term. 30.

3 = Antenna connection.

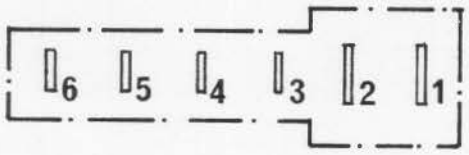
4 = Antenna amplifier connection.

5 + 6 = Channel left and right.

CONNECTIONS IN MODELS PREPARED FOR RADIO FROM 1986



1 Plug (6 pin) for radio power supply



Term.1 = Ground connection

Term.2 = Ignition lock term. R

Term.3 = Lighting (bridged with automatic antenna)

Term.4 = Automatic antenna

Term.5 = Permanent positive term.30

Plug assignment only with Monterey SQ R 23

Term.1 = Ground connection

Term.2 = Ignition lock

Term.3 = Lighting

Term.4 = Bridged, automatic antenna

Term.5

Term.6 = Permanent positive term.30

2 Antenna connection

3 Plug for antenna amplifier

4 Plug for automatic antenna/ antenna amplifier from radio

5 Ground connection

6 Permanent positive term.30

7 Automatic antenna/antenna amplifier (radio positive output)

8 Speaker connection left and right channel (2-channel radio)

9 Separating point for connecting speakers to a 4-channel radio (fading regulator is bypassed)

N o t e

Connections 5,6,7 are provided for the equalizer + power booster, but can also be used for other components.

Preparatory telephone equipment

M 195 Cellular telephone system

M 496 C network telephone system

As from Model 88, all 944 vehicles can be fitted with preparatory equipment for a telephone system.

This preparatory equipment comprises all necessary cable harnesses, brackets for the transceiver and controller as well as the telephone antenna.

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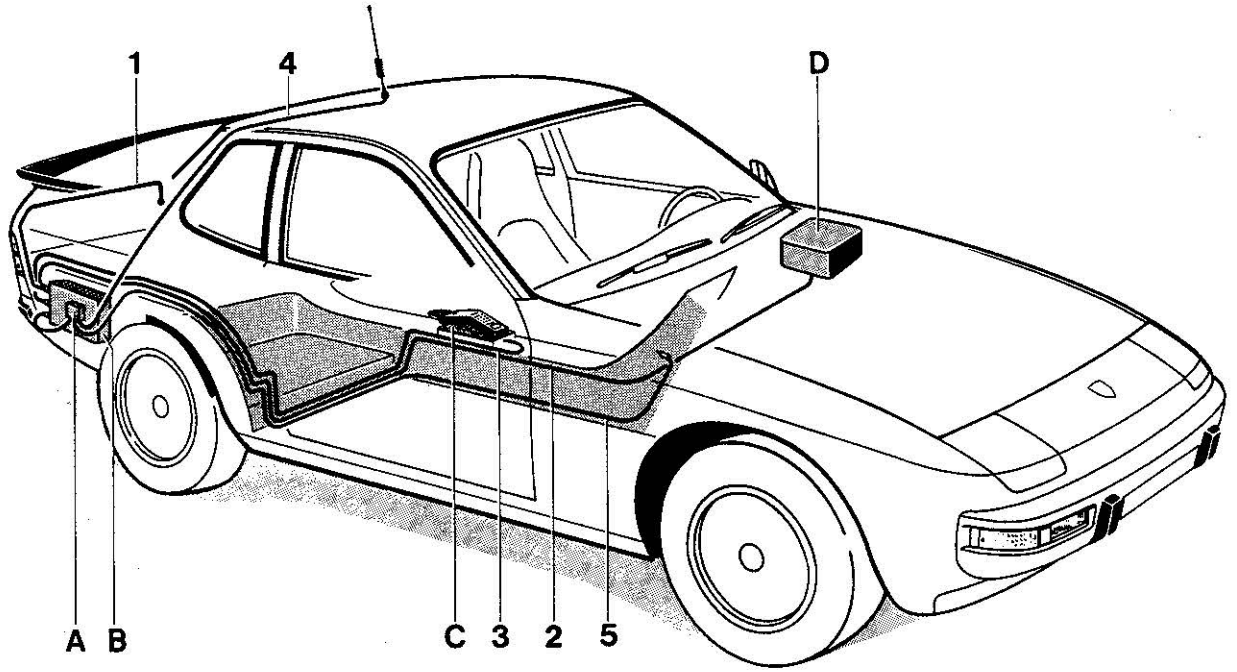
Laying the cable harnesses in the vehicle



75/91

A - Antenna separating filter

B - Transceiver

C - Controller

D - Central electric system

1 - Terminal 31

2 - Terminals 15 and 30

3 - Controller lead

4 - Antenna lead

5 - Antenna lead, radio

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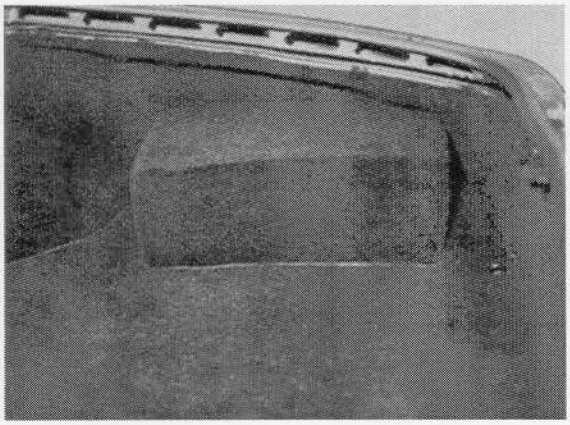
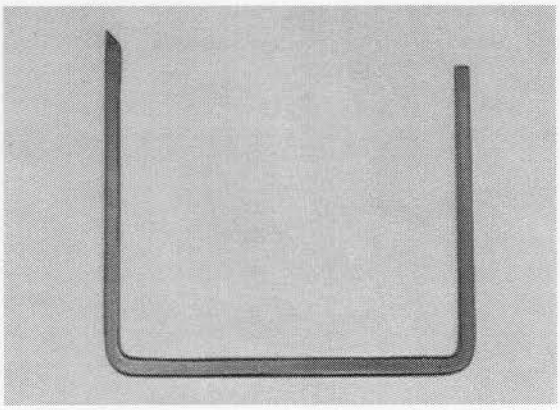
Installing the transceiver

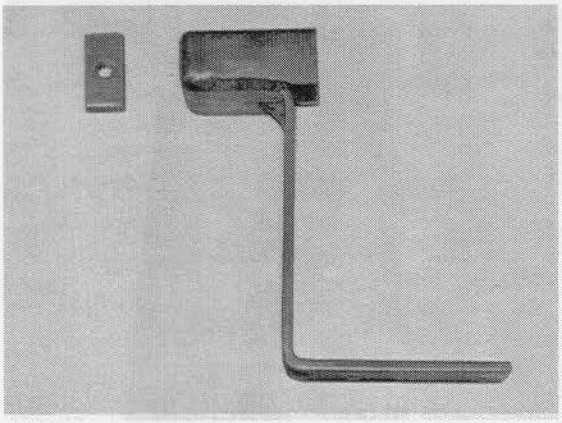
The transceiver is installed under a cover in the floor recess on the right-hand side to the rear of the luggage compartment.



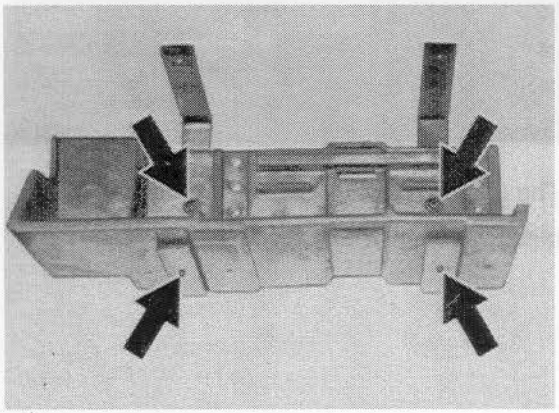
1.1 Bracket for the C network transceiver



1.2 Bracket for the Cellular transceiver and threaded plate.



2.1 Mounting the universal holder on the C network bracket.



The universal holder is mounted on the 2 fastening brackets with 4 M 6 x 18 screws.

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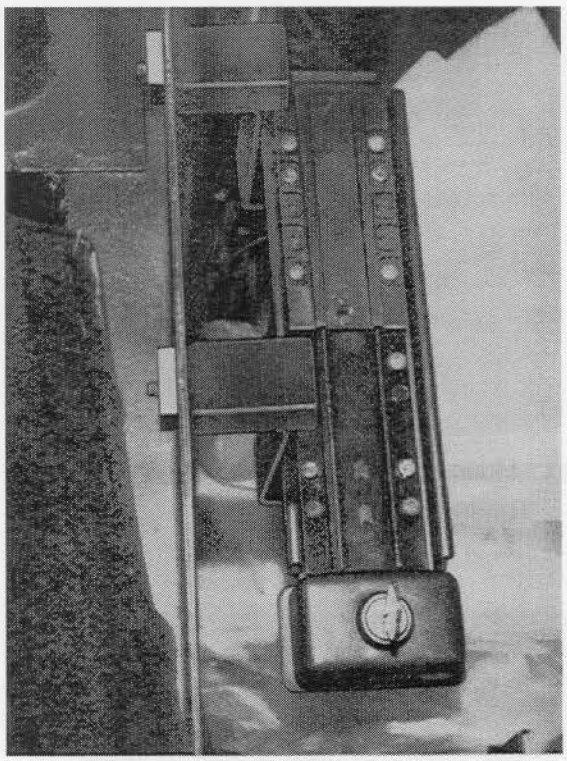
2.2 Mounting the universal holder on the Cellular fastening bracket.



The universal holder is mounted to the fastening brackets with 4 M 4 x 10 screws.

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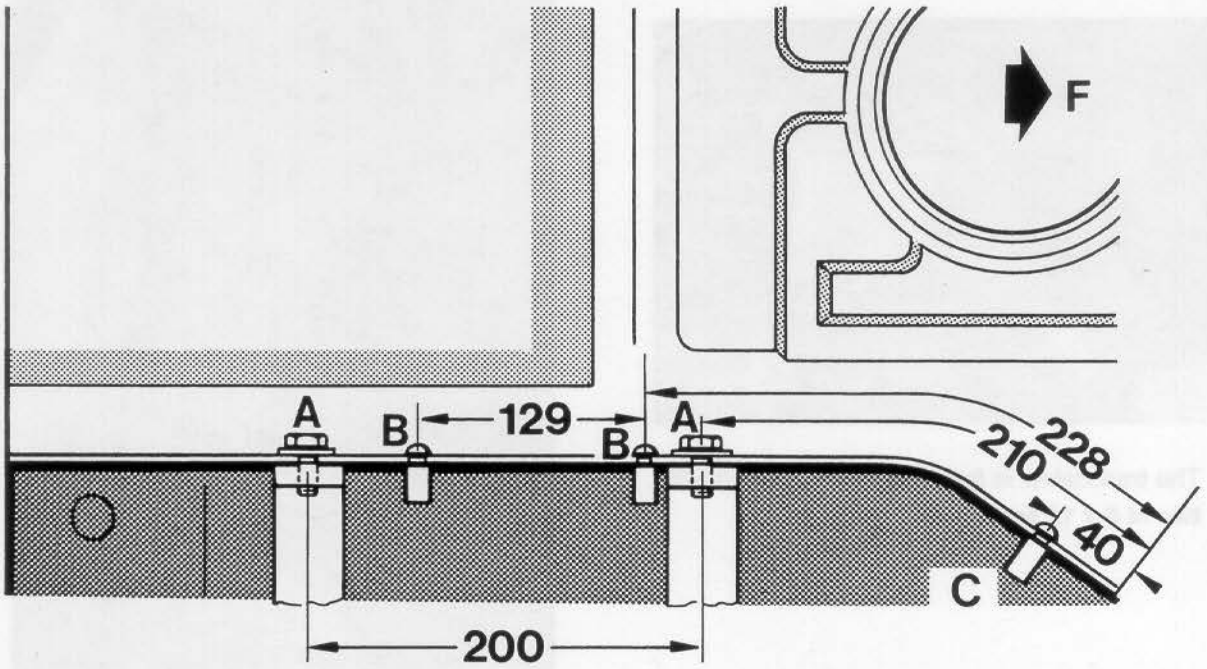
3. Mounting points in the vehicle



76/91

A - Mounting points for C network

B - Mounting points for Cellular

C - Cable clip

F - Direction of travel

Note

When installing the C network telephone system, the mounting points for the Cellular telephone system are used to fasten the cable with clips (as shown in the drawing). All 5 mounting points are drilled out to 6.5 mm.

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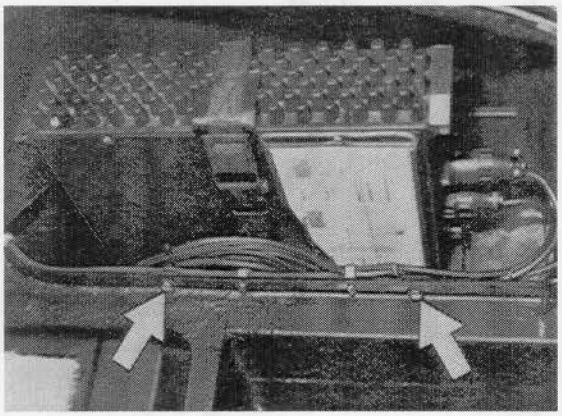
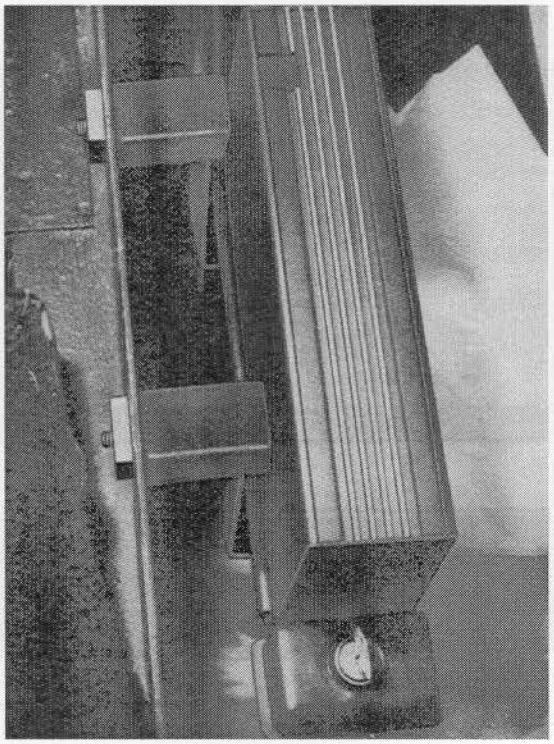
4.1 Installing the transceiver for C network, stowing the excessive length of the cable harness.



The transceiver is fastened to the chassis with two M 6 x 12 screws.

4.2 Installing the Cellular transceiver.



The transceiver is fastened to the chassis with two M 6 x 15 screws and two threaded plates.

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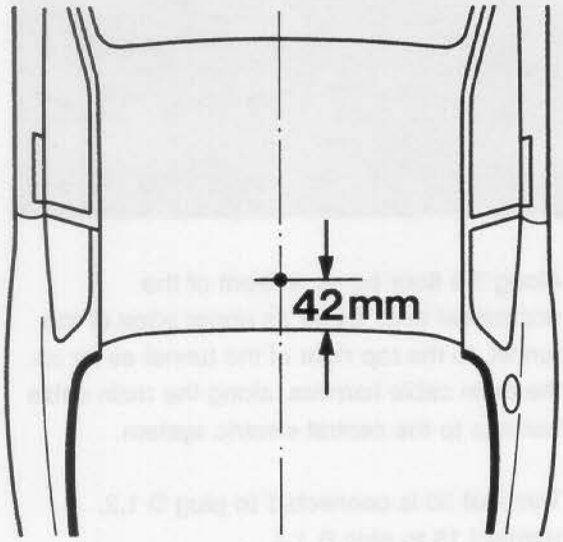
Installing the antenna

The telephone antenna is mounted on the roof.



77/91

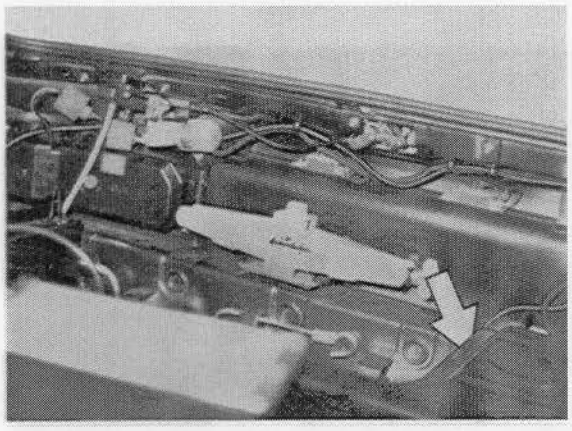
Installing the antenna separating filter

The antenna separating filter is only mounted with the C network telephone system.

The antenna separating filter is fastened to the right-hand side of the transceiver.

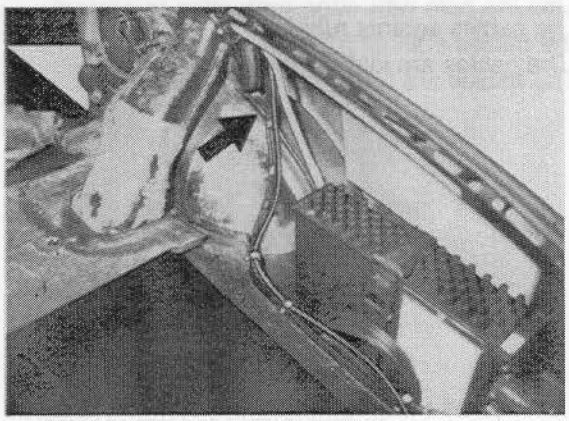
Laying the power supply leads

1. Ground lead



The ground lead is laid from the transceiver along the rear cableharness to the grounding point.

2. Plus supply terminals 30 and 15.



The plus lines are laid from the transceiver along the frame siderail, over the wheelhouse shell to the C column and to the B column.

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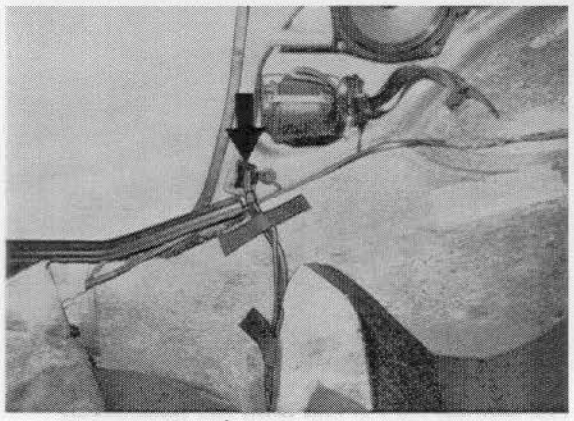
Note

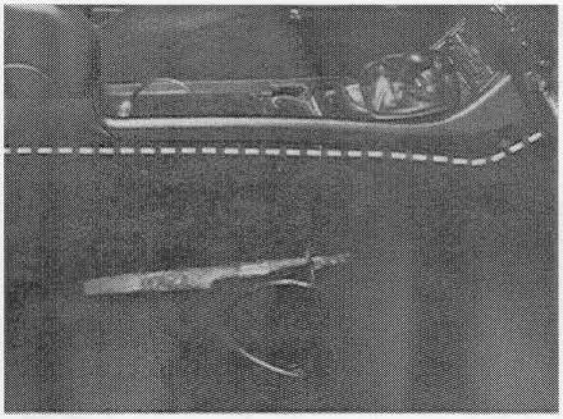
The stippled flange of the wheelhouse shell must be covered with edge protection to protect the cable against rubbing.



Through the existing hole in the B column into the interior of the vehicle as far as the floor panel.

Note

Line the hole with edge protection to protect the cables against rubbing.
The cables are laid under the insulation.



Along the floor panel, in front of the occasional seat, as far as upper edge of the tunnel, to the top right of the tunnel as far as the main cable harness, along the main cable harness to the central electric system.

Terminal 30 is connected to plug D 1.2, terminal 15 to plug B 1.4.

3. Lead the cable harness from the transceiver to the controller.

Lay the cables parallel to the supply lines for the controller.

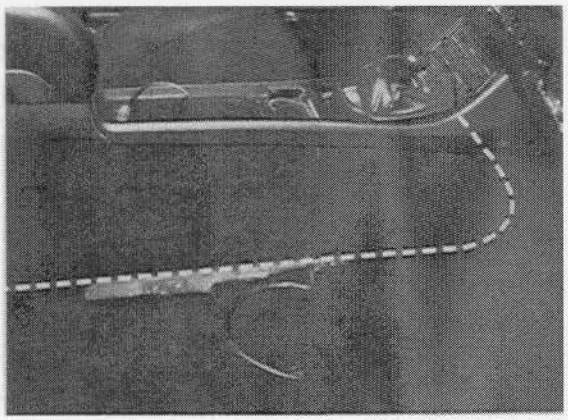
Printed in Germany – XVII, 1988

4. Antenna cable

For vehicles with folding roof: the antenna cable is fastened to the folding roof linkage with cable straps. The cables are laid from the roof antenna to the right-hand B column and to the antenna separating filter.

For vehicles without folding roof: the antenna cable is laid in the rear roof support.

5. Antenna cable for the radio.



The antenna cable is laid from the antenna separating filter over the wheelhouse shell to the C column and to the B column. Through the existing hole in the B column into the interior of the vehicle as far as floor panel. On the floor panel, along the bottom edge of the tunnel to the radio.

Printed in Germany – XVII, 1988

Retrofitting CD player from Model 89 onwards

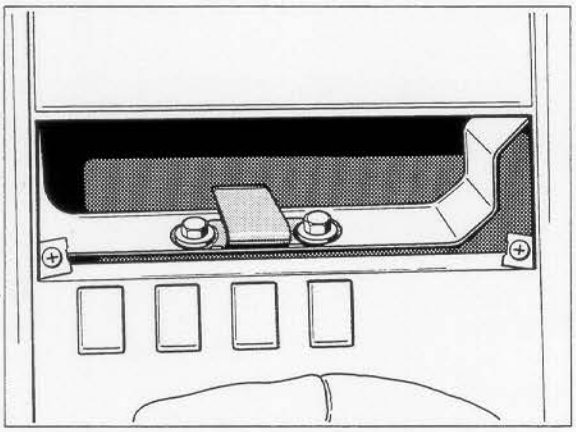
Vehicles fitted with preparatory radio equipment

Note

The CD player may only be operated with an equalizer.

1. Remove shelf from central console (may no longer be used as the equalizer is installed in this position).

2. Secure the equalizer's support spring to the bracket fitted for the central console.



164 - 91

3. Fit trim panel to equalizer.

4. Connect equalizer (lines fitted in vehicle) and slide in.

Note

Connector assignment is specified on the equalizer.

5. Install retaining frame for CD player.

6. Connect CD player.

Note

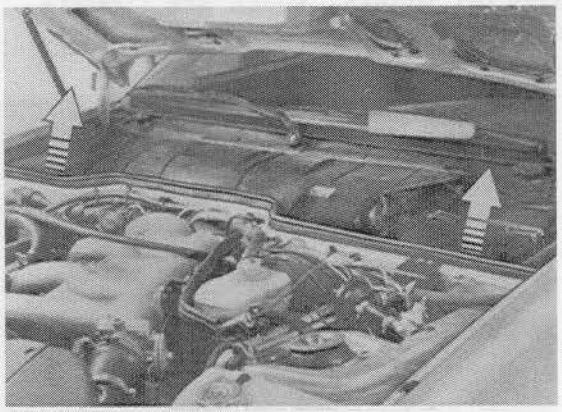
The connector assignment is specified on the CD player.

7. Slide in CD player and latch.

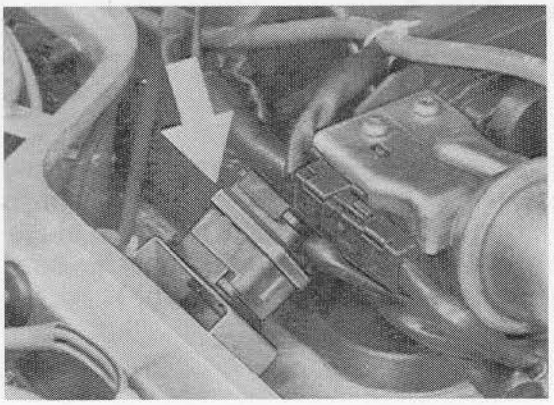
Printed in Germany – XIX, 1989

REMOVING AND INSTALLING WINDSHIELD WIPERS SINCE 1985/2 MODELS

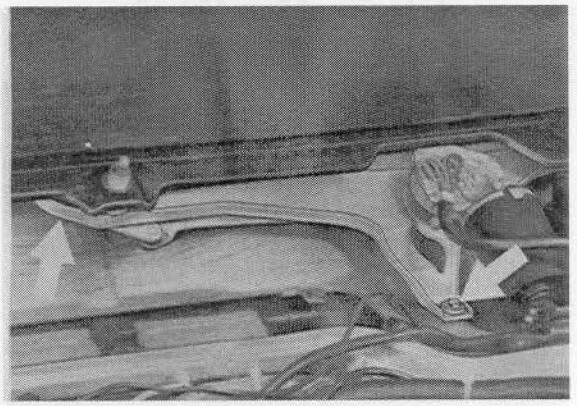
1. Loosen and pull off wiper arms. Pull off rubber seal with cover from above and loosen cement of cover below the windshield.



2. Disconnect plug.



3. Unscrew and remove mounting screws of wiper assembly.

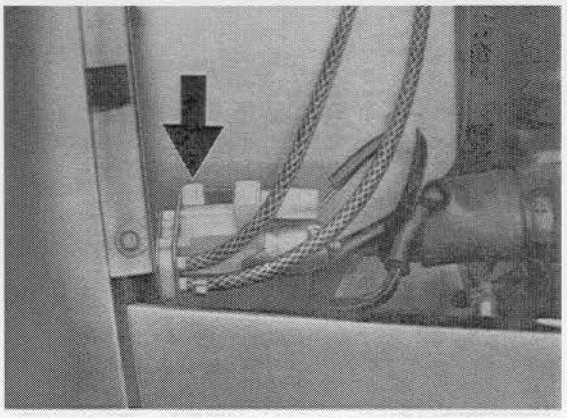


Tightening torque for wiper arms = 15 Nm.

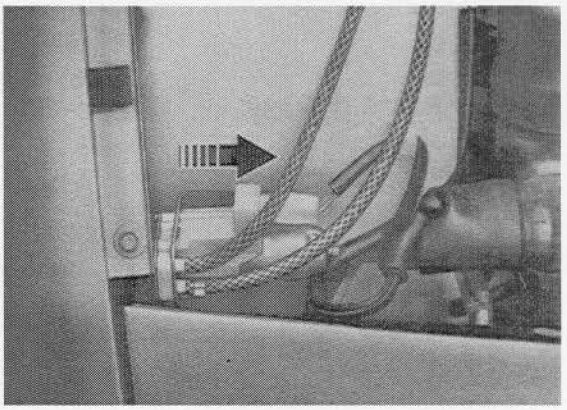
REMOVING AND INSTALLING ELECTRIC PUMP FOR WINDSHIELD WASHER SYSTEM

Removing

1. Disengage and pull out retaining clip.

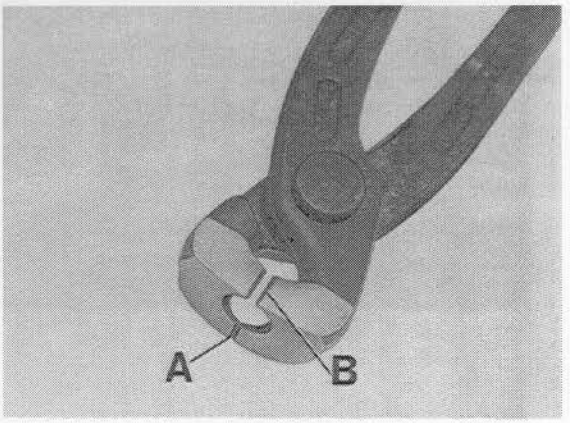


2. Push pump out of holder and remove.



Note

The removal and installation of hose clamps is best done with special pliers, which are commercially available.

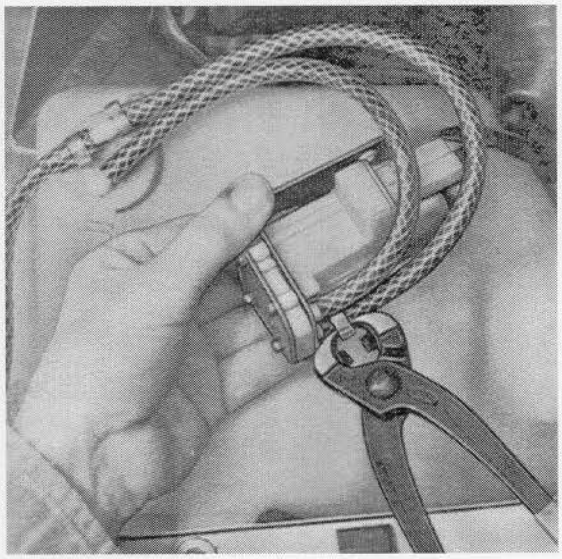


A - Edge for separating

B - Edge for clamping

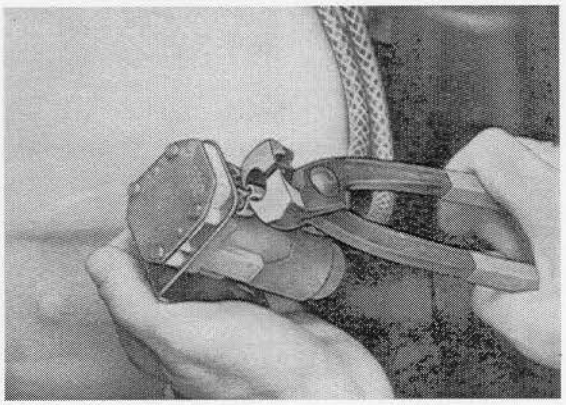
When using normal cutting pliers, care must be taken to avoid subjecting the pump hose nipple to bending force when loosening the hose clamp (danger of breakage).

3. Transversely separate hose clamp on pump and pull off hoses. Disconnect plug connection.



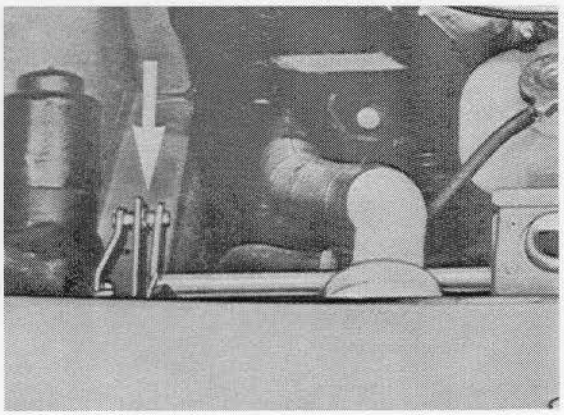
Installation

Install hose clamp and check for good seating.



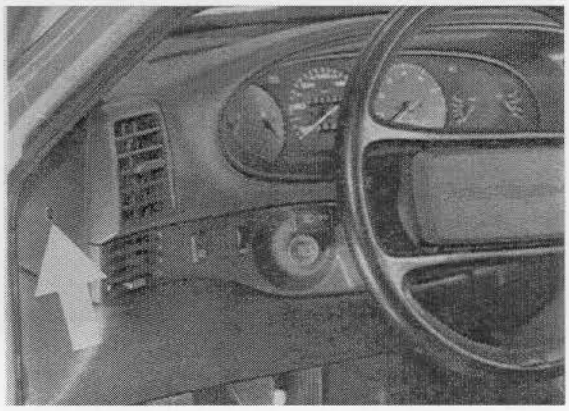
LUBRICATING LINKAGE OF CONCEALED HEADLIGHTS

Lubricate linkage of concealed headlights with a commercial multi-purpose grease when servicing car or after washing engine.

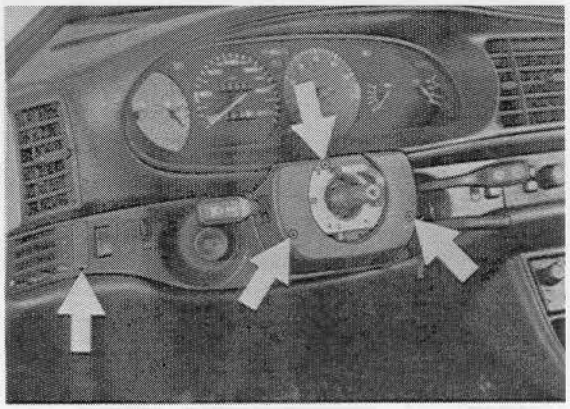


REMOVING AND INSTALLING SWITCH PLATES SINCE 1985/2 MODELS

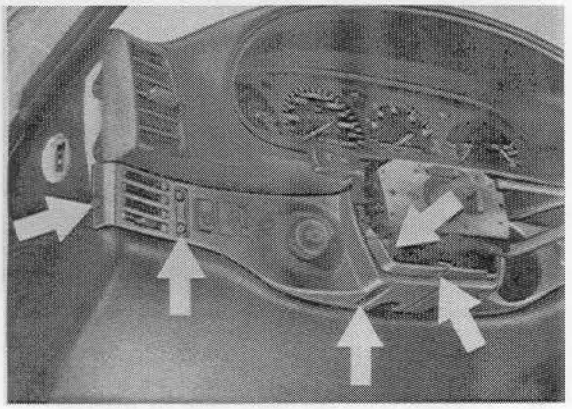
1. Remove steering wheel. Unscrew trim on instrument panel at left side.



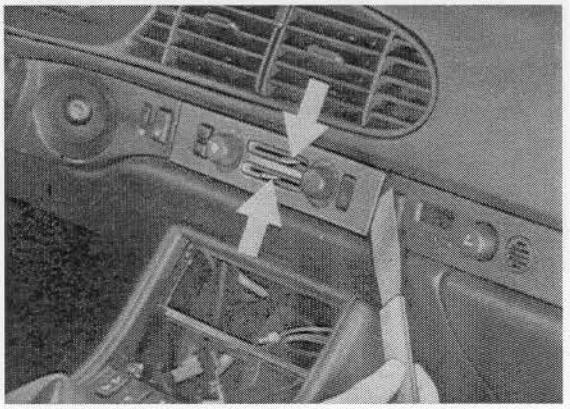
2. Loosen trim on steering column switch and remove cover mounting screws on switch plate.



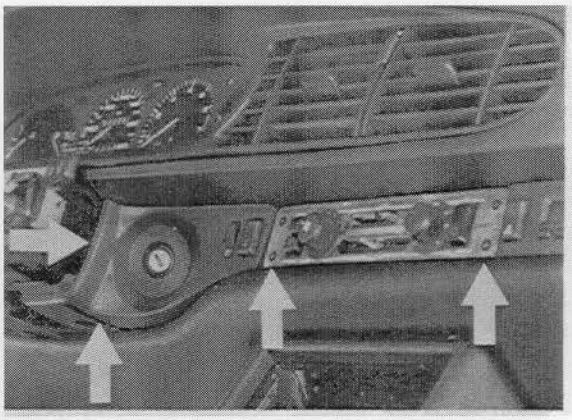
3. Unscrew switch plate mounting screws and remove.
Pull off plug.



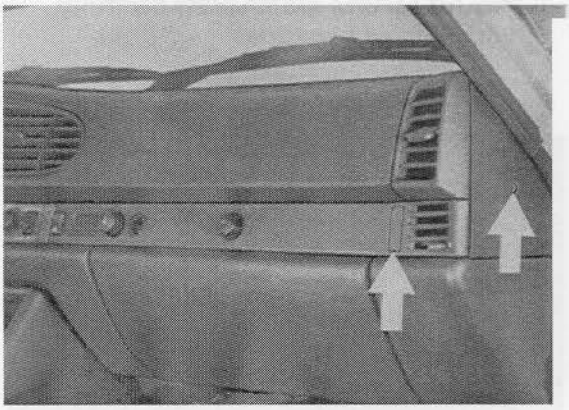
4. Pull off knobs on control switch.
Pry off control switch plate carefully with help of a spatula.



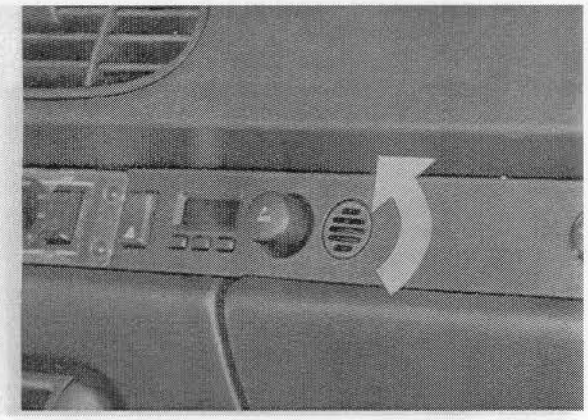
5. Unscrew mounting screws of control switch and plate on steering lock.



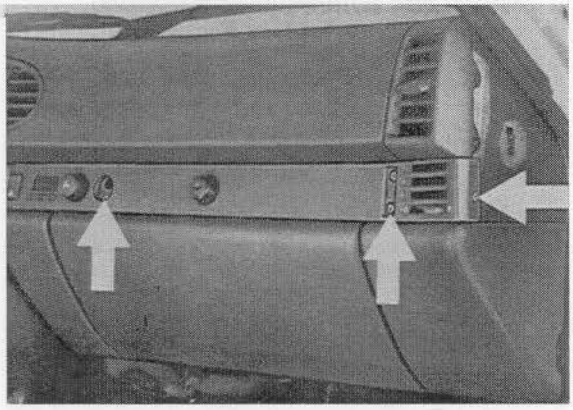
6. Loosen trim on right side of instrument panel and remove cover of mounting screws.



7. Turn escutcheon of inside sensor blower anticlockwise to disengage with a suitable item (e.g. coin).



8. Unscrew mounting screws on right side of plate and take off plate.



REMOVING AND INSTALLING LOCK CYLINDER '85/2 MODELS ONWARD

1. Remove steering wheel (see page 48 - 17)

Note:

See Repair Group 68 for assembly work on cars fitted with airbags.

2. Remove steering-column switch trim.

3. Remove steering-column switch.

4. Disconnect plug from ignition/starter switch.

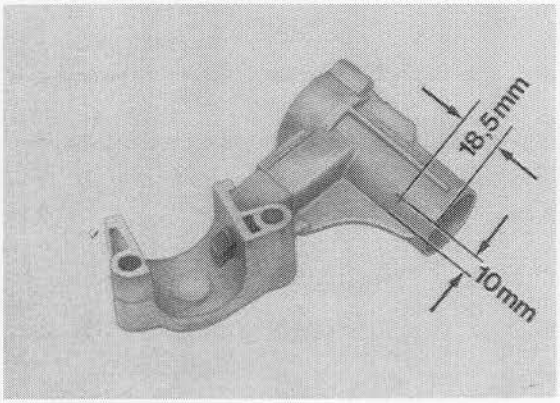
5. Drill out shear-head bolts in steering-lock housing.

6. Remove steering-lock housing.

7. Remove stud bolt from steering-lock housing.

Tightening torque: 0.25 Nm (0.18 ftlb)

8. Drill holes in steering-lock housing with 3 mm drill as shown.



9. With the aid of a thumbtack or similar disengage lock cylinder and withdraw.

Note:

The lock cylinder engages automatically when it is pushed into the housing.

HEADLIGHT BEAM ADJUSTMENT, '88 MODELS ONWARD

The principle components of the system are the switch (potentiometer) and two actuators, one for each headlight, mounted on the headlight frames.

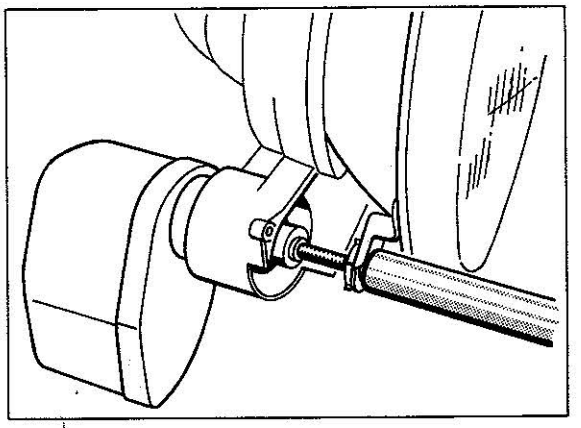
REMOVING AND INSTALLING ACTUATORS

1. Disconnect cable plug from actuator.

2. Unplug cable connector from headlight.

3. Remove headlight.

4. Disengage the actuator from the headlight frame with Special Tool 9287. Squeeze the detent lugs together by pushing Special Tool 9287 over the plastic part.



5. Turn actuator anticlockwise through approx. 60° and remove.

CHECKING HEADLIGHT BEAM ADJUSTMENT

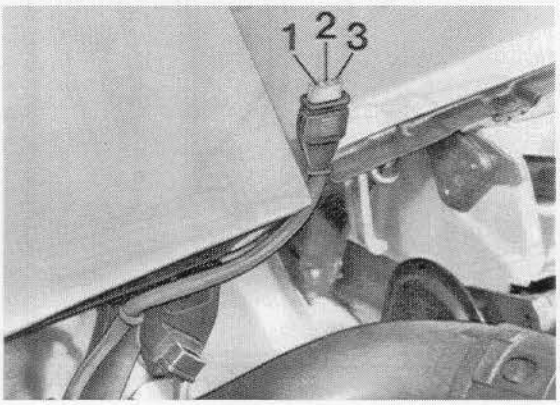
1. Disconnect both plugs from actuators.

2. Switch on lights.

3. With a voltmeter, measure voltage between ter. 1 (+) and ter. 3 (-).

Reading: battery voltage

If no voltage is applied, check fuse 37 (944) or fuse 7 (924 S).



Note:

The battery-voltage reading taken in this test must be between 11 V and 13 V. If necessary, recharge battery.

4. Connect voltmeter to ter. 1 (+) and ter. 2 (-).

Reading:

Switch in position 0: approx. 0 V

Switch in position 1: 2.0 - 2.7 V

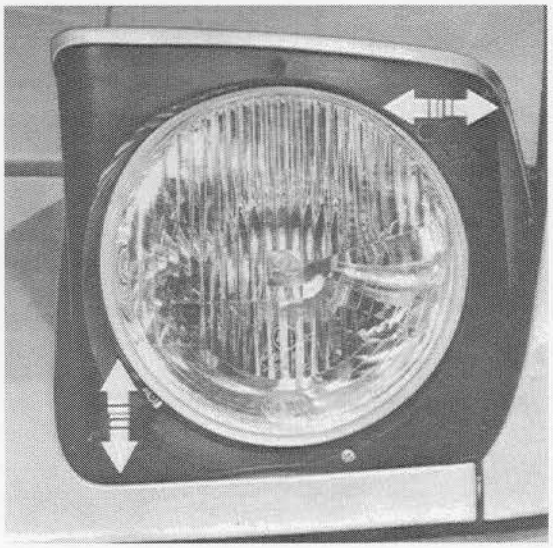
Switch in position 2: 2.6 - 3.4 V

AIMING MAIN HEADLIGHTS WITH HEADLIGHT BEAM ADJUSTMENT

The main headlights are aimed with the switch in position 0.

1. Switch on lights

2. Use a headlight aiming device to adjust headlights with car ready for the road: fuel tank full, driver's seat occupied by 1 person or a weight of 75 kg. The tire pressures must be as specified.



In position 0, beams lowered by:

10 cm in 10 m

In position 1, beams lowered by:

22 cm ± 1 cm in 10 m

In position 2, beams lowered by:

25 cm ± 1 cm in 10 m

Position of switch for headlight beam adjustment with reference to vehicle load.

Position 0

1 - 2 occupants without luggage

Position 1

3 - 4 occupants without luggage

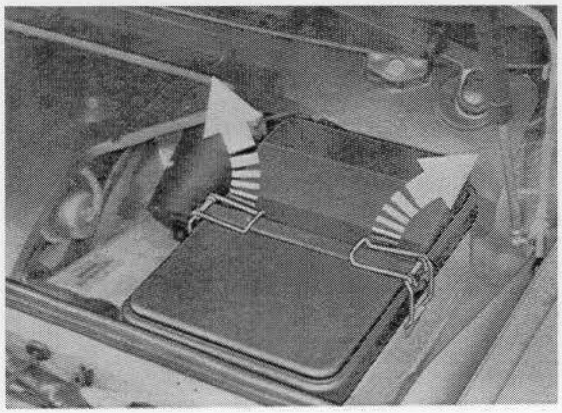
Position 2

1 - 4 occupants with luggage

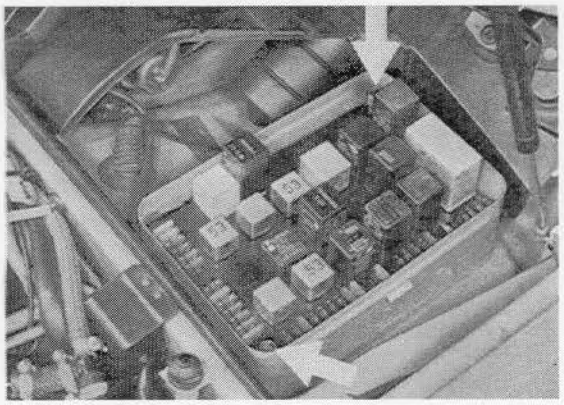
REMOVING AND INSTALLING CENTRAL ELECTRIC SINCE 1985/2 MODELS

1. Disconnect battery.

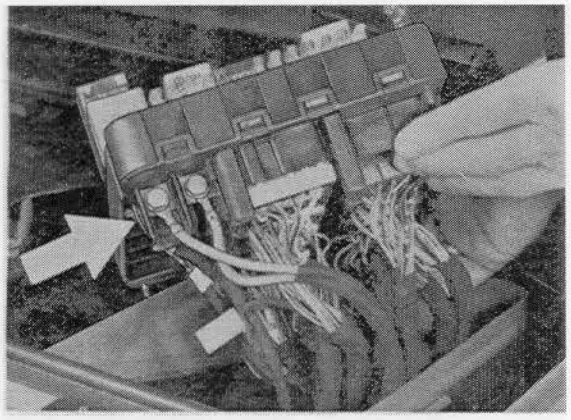
2. Take off central electric cover.



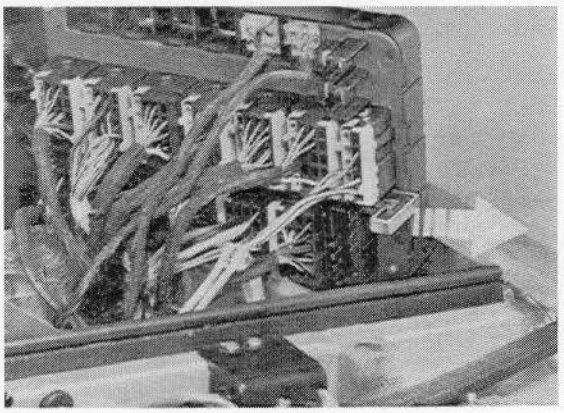
3. Unscrew mounting screws of central electric board.



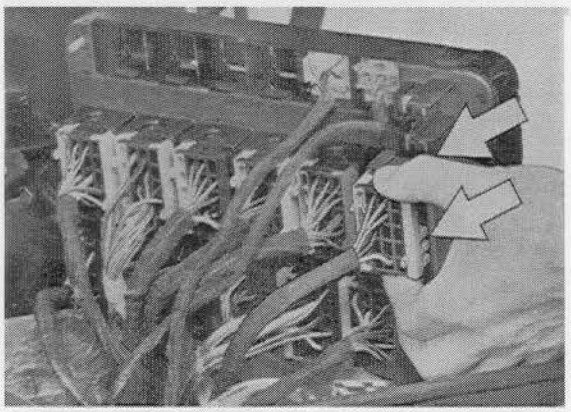
4. Remove central electric from above and unscrew power supply.



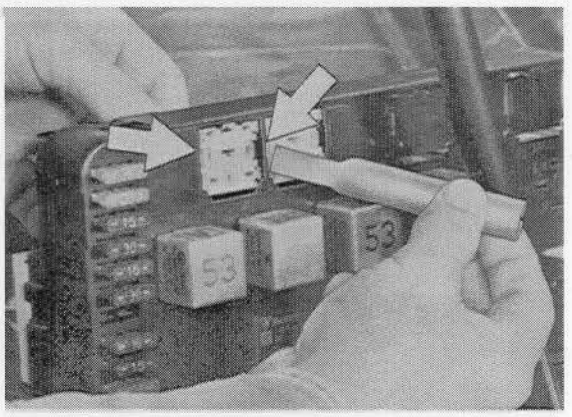
5. Pull out (unlock) the central locking rail.



6. Pull off multiple-pin plug, but do not pull on wires. Plug receptacles are marked with letters. There are also coding grooves on the sides of plug receptacles so that wrong connections are excluded.



7. Unlock the additional relay socket by pressing in a narrow spatula (about 10 to 12 mm wide) or similar tool from the side up to the catch.



CENTRAL ELECTRICS UNIT, ASSIGNMENT

The assignment data for the central electrics unit with additional plug-on relays are stated incorrectly in the 944, 944 turbo, 944 S wiring diagram, '87 models, sheet 10, page 97 - 117. The correct assignments are:

G 17 - Air conditioner relay

G 18 - Unoccupied

G 19 - Unoccupied

G 20 - ABS relay

G 21 - Tilting-roof relay

G 22 - Turbocharger pump relay

MODIFYING WIRE HARNESS

When replacing the passenger-compartment wire harness in '85/2 models up to vehicle identification numbers.

94 FN 40 1638 - 944 R.O.W.

94 FN 45 1912 - 944 USA,

95 FN 10 0122 - 944 turbo R.O.W.

95 FN 15 0106 - 944 turbo USA

the harness must be modified prior to installation as follows:

1. Disconnect red/green 1.5 mm² wire from plug L 4.1 and insert in K 3.2.

2. Remove bridge between F 3.4 and K 2.5 (yellow/red wire 1.0 mm²).

3. Disconnect yellow/blue 1.0 mm² wire from plug F 3.3 and insert in K 2.5.

4. Disconnect red 1.5 mm² wire from plug L 4.2 and insert in K 3.1.

5. Disconnect green 0.5 mm² wire from plug F 1.4 and insert in B 1.1.

6. Disconnect red/green 1.0 mm² wire from plug J 2.4 and insert in F 1.4.

Similarly, replacement nose-section wire harnesses must also be modified as follows:

1. Disconnect red/green 1.0 mm² wire from plug H 2.3.

2. Disconnect black/yellow 1.0 mm² wire from plug E 4.4.

3. Insert red/green wire in plug E 4.4.

4. Insert black/yellow wire in plug H.2.3

Supplementary electrical equipment

Important

Supplementary electrical equipment may only be connected using the possible connections described below.

Term. 30, not fused:

1. Screw connections on line to central electrical system

2. Plug A 11

Term. X, not fused:
Plug A 14

Term. 15, not fused:
Plug A 22

Term. 31:

1. Plug A 23

2. Grounding point II

3. Grounding point III

Fusing

Important

Supplementary electrical equipment must be fused if the above connection points are used.

1. Fuse 35: Ingoing plug F 23
   Outgoing plug D 21 und E 21

2. Separate fuses

Printed in Germany – XXII, 1990

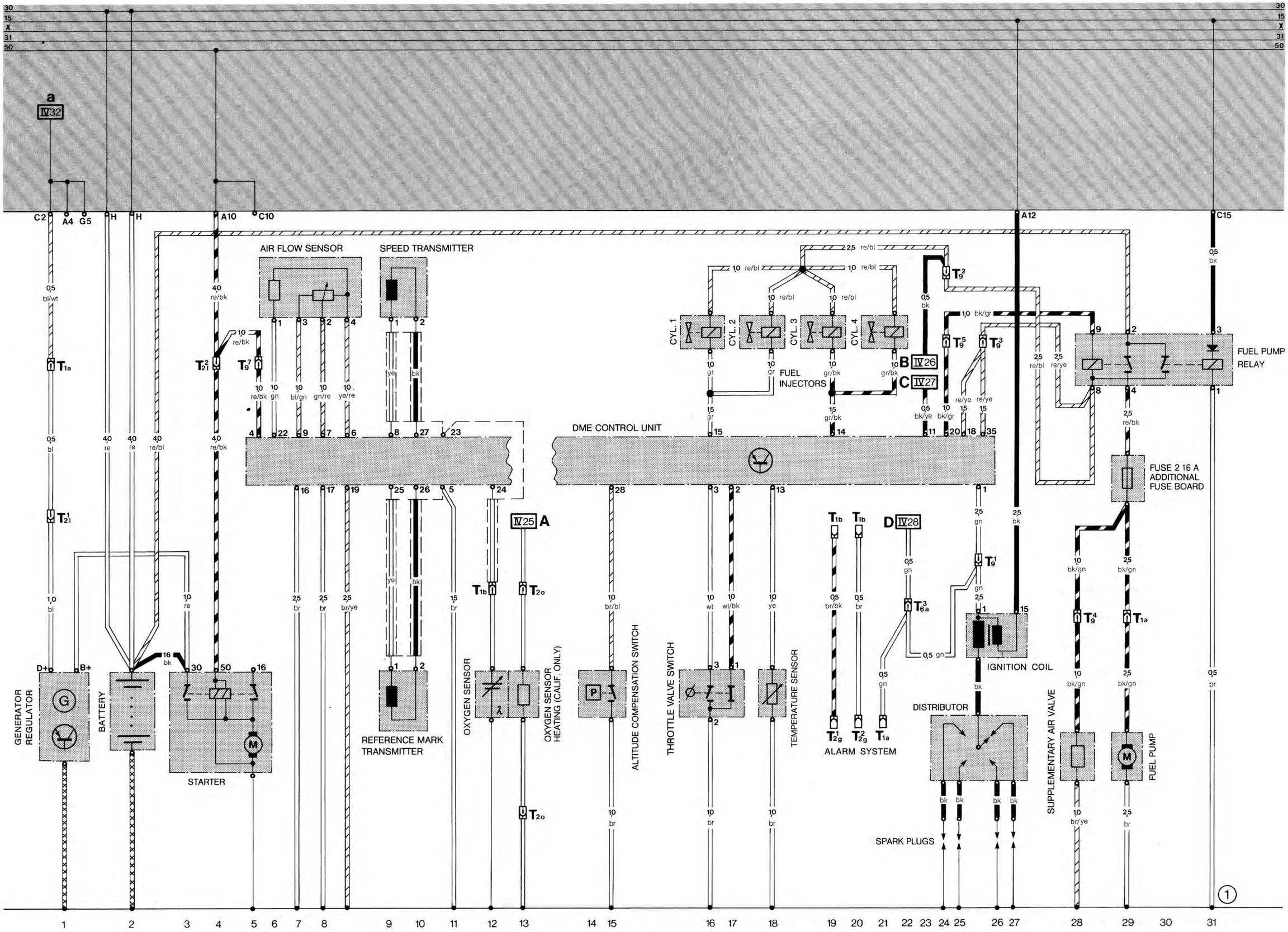
Current Flow Diagram Type 944 USA Model 83

PART I	POWER SUPPLY, STARTER DIGITAL MOTOR ELECTRONIC (DME) FUEL PUMP
PART II	LIGHT SWITCH, CONCEALING HEADLIGHT FOG LIGHTS HEADLIGHT PARKING LIGHT, REAR LIGHT
PART III	BRAKE LIGHT EMERGENCY FLASHER TURN SIGNAL, BACK-UP LIGHT HORN INTERIOR LIGHT
PART IV	REAR WINDOW DEFOGGER, IGNITION/STARTER SWITCH, SEAT BELTS INSTRUMENT CLUSTER
PART V	INSTRUMENTS CENTER CONSOLE WIND SHIELD WIPER
PART VI	FRESH AIR BLOWER COOLING FAN

Current Flow Diagram Type 944 USA Model 83 Part I

POWER SUPPLY, STARTER
DIGITAL MOTOR ELECTRONIC (DME)
FUEL PUMP

Current Flow Diagram Type 944 USA Model 83 Part I



Current Flow Diagram Type 944 USA Model 83 Part II

LIGHT SWITCH, CONCEALING HEADLIGHT

FOG LIGHTS

HEADLIGHT

PARKING LIGHT, REAR LIGHT

Current Flow Diagram Type 944 USA Model 83 Part II

30
15
X
31
50

FUSE 15 16A
FUSE 1 8A
FUSE 3 8A
FUSE 2 8A
FUSE 4 8A
FUSE 5 16A
FUSE 14 8A
FUSE 13 8A

D17 D4 G10 D3 E1 E5 E9 A2 H B4 C19 A1 G1 D22 G6 E8 A19 A18 C8 C11 G8 D7 B17 F10 A9 B12 C7 B19 F15 F9

E IV 30
G IV 16
IV 9 I
PARKING LIGHT CONTACT
P Pl Pr

10 gr | 0,5 br | 1,5 re | 0,5 gr/bk | 0,5 gr/bk | 0,5 gr/re | 0,5 gr/re | 0,5 gr/gn | 10 re/gn | 10 gr | 4,0 re | 1,5 re | 1,5 re/br | 0,5 gr/gn | 0,5 bk/gn | 0,5 gr | 1,0 wt/ye | 1,0 wt/ye | 1,5 ye/bk | 1,5 wt/bk | 1,5 ye | 1,5 wt | 0,5 gr/ye | 1,0 gr/bk | 1,0 bk/wt | 1,0 gr/re | 1,0 bk/gn | 0,5 gr/re | 0,5 gr/bk

T_{6a}^{2} T_{2m} T_{2n} T_{3b} T_{3b} T_{3c} T_{3c} T_{1b} T_{2h}^{1} T_{2i}^{1} T_{7b}^{4} T_{7c}^{4}

56K 30 58l 58r 58 30b

LIGHT SWITCH

X 56

FUSE 1 16 A ADDITIONAL FUSE BOARD

FOG LIGHT RELAY

87 85 30 86

IV 4 J

0,5 re/br | 0,5 gr/bl | 0,5 gn

30 86 87a 85

FLASHER BLOCKING RELAY

1,5 ye | 2,5 bk/ye | 0,5 gr/bl | 0,5 wt/bk | 2,5 wt/bk | 1,0 re/gn | 1,5 re/bl

CONCEALING HEADLIGHT RELAY

K 58b S NS

FOG LIGHT SWITCH

83

0,5 br | 0,5 br | 0,5 br/ye

IV 10 K

IV 15 F

T_{1a} T_{1a}

4,0 bk/re

T_{1c}

HEADLIGHT WASHER

CONCEALING HEADLIGHT MOTOR

P 15 30 87 85 86 30 87 a

M

31

1,5 re | 0,5 br | 0,5 br | 0,5 br/ye

FOG LIGHT LEFT | FOG LIGHT RIGHT | HEADLIGHT LEFT | HEADLIGHT RIGHT | ENGINE COMPARTMENT LIGHT | SIDE MARKER LEFT | PARKING LIGHT LEFT | TURN SIGNAL, FRONT LEFT | SIDE MARKER RIGHT | PARKING LIHGT RIGHT | TURN SIGNAL, FRONT RIGHT | REAR LIGHT RIGHT | SIDE MARKER RIGHT | REAR LIGHT LEFT | SIDE MARKER LEFT

0,5 br | 1,0 br | 1,5 br | 1,5 wt | 0,75 bk | 0,75 br | 1,0 br | 0,75 br | 0,75 br | 1,0 br | 0,5 br | 0,5 br | 0,75 br | 0,5 br | 0,75 br

T_{2m} T_{2n} T_{3b} T_{3c} T_{2h}^{2} T_{2i}^{2} T_{7b}^{6} T_{7c}^{6} T_{2d} T_{2d}

56b 56 30

DIMMER/HEAD LIGHT FLASHER SWITCH

56b 56a 0,5 bl/wt IV 34 H

5 1 4 5 4 5 4 4 5 5 2 2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

LIGHT SWITCH, CONCEALING HEADLIGHT | FOG LIGHTS | HEADLIGHT | PARKING LIGHT, REAR LIGHT

Printed in Germany-1982

Current Flow Diagram Type 944 USA Model 83 Part III

BRAKE LIGHT

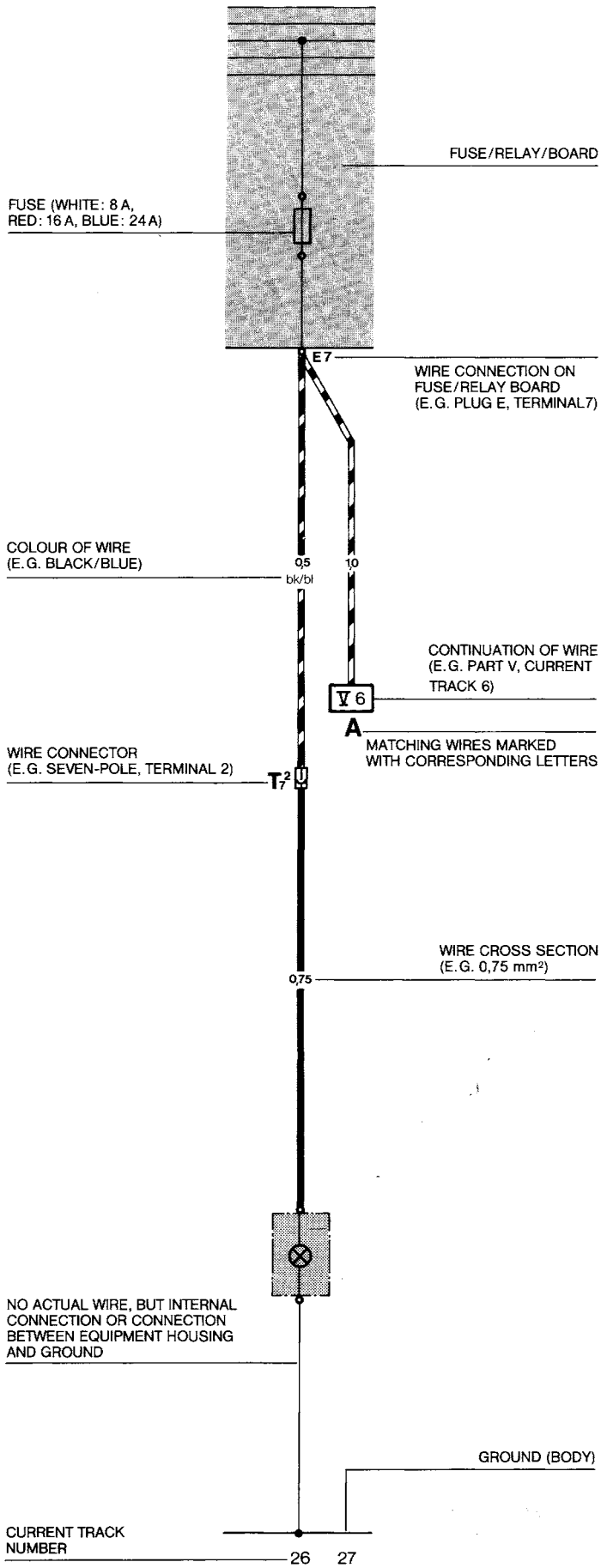
EMERGENCY FLASHER

TURN SIGNAL, BACK-UP LIGHT

HORN

INTERIOR LIGHT

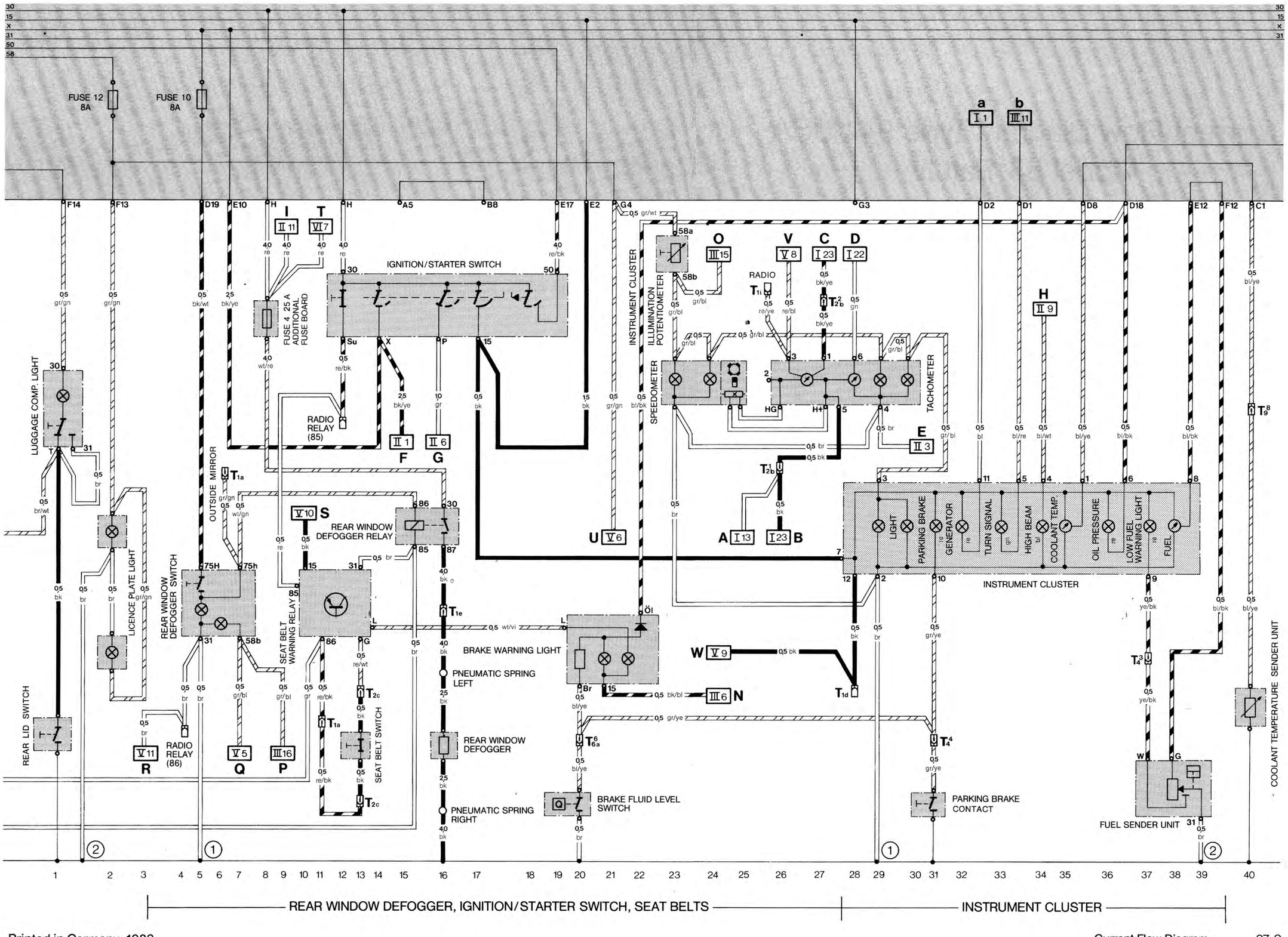
MISSING


FUSE/RELAY/BOARD
FUSE (WHITE: 8 A,
RED: 16 A, BLUE: 24 A)
E7
WIRE CONNECTION ON
FUSE/RELAY BOARD
(E.G. PLUG E, TERMINAL7)
COLOUR OF WIRE
(E.G. BLACK/BLUE)
0,5
bk/bl
1,0
CONTINUATION OF WIRE
(E.G. PART V, CURRENT
TRACK 6)
V 6
A
MATCHING WIRES MARKED
WITH CORRESPONDING LETTERS
WIRE CONNECTOR
(E.G. SEVEN-POLE, TERMINAL 2)
T7 2
WIRE CROSS SECTION
(E.G. 0,75 mm²)
0,75
NO ACTUAL WIRE, BUT INTERNAL
CONNECTION OR CONNECTION
BETWEEN EQUIPMENT HOUSING
AND GROUND
GROUND (BODY)
CURRENT TRACK
NUMBER
26
27

Current Flow Diagram Type 944 USA Model 83 Part IV

REAR WINDOW DEFOGGER,
IGNITION/STARTER SWITCH, SEAT BELTS
INSTRUMENT CLUSTER

Current Flow Diagram Type 944 USA Model 83 Part IV

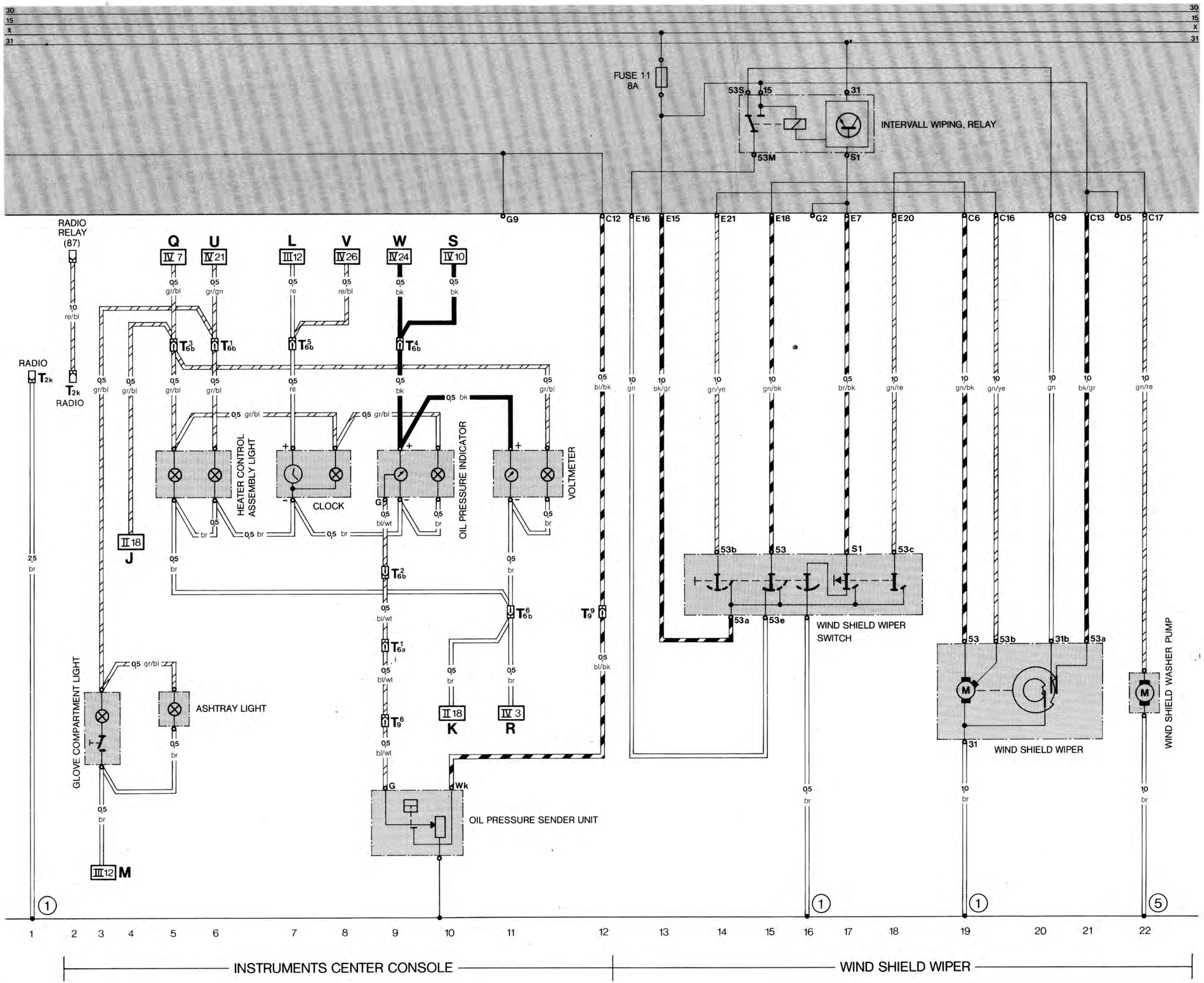


Current Flow Diagram Type 944 USA Model 83 Part V

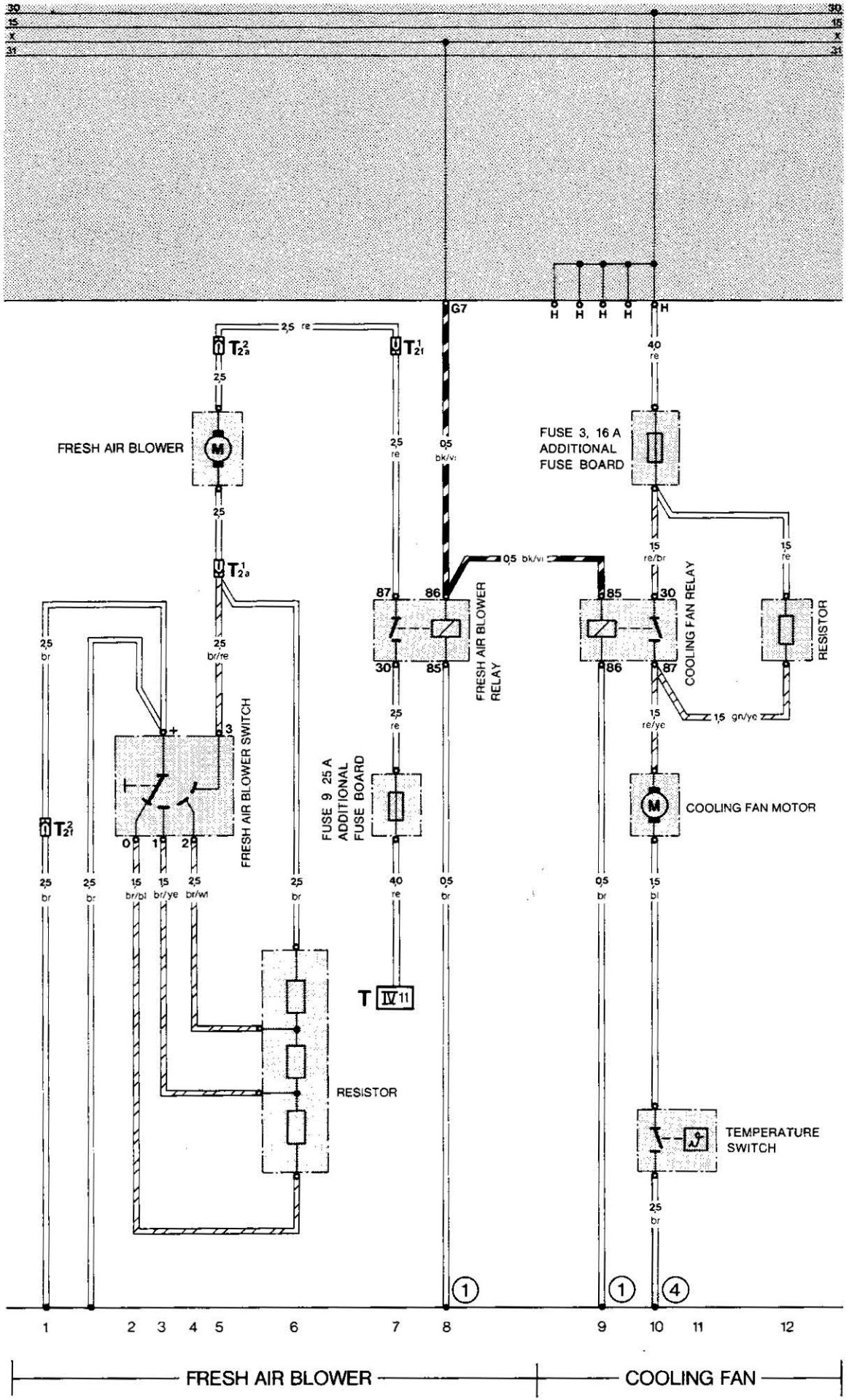
INSTRUMENTS CENTER CONSOLE

WIND SHIELD WIPER

Current Flow Diagram Type 944 USA Model 83 Part V



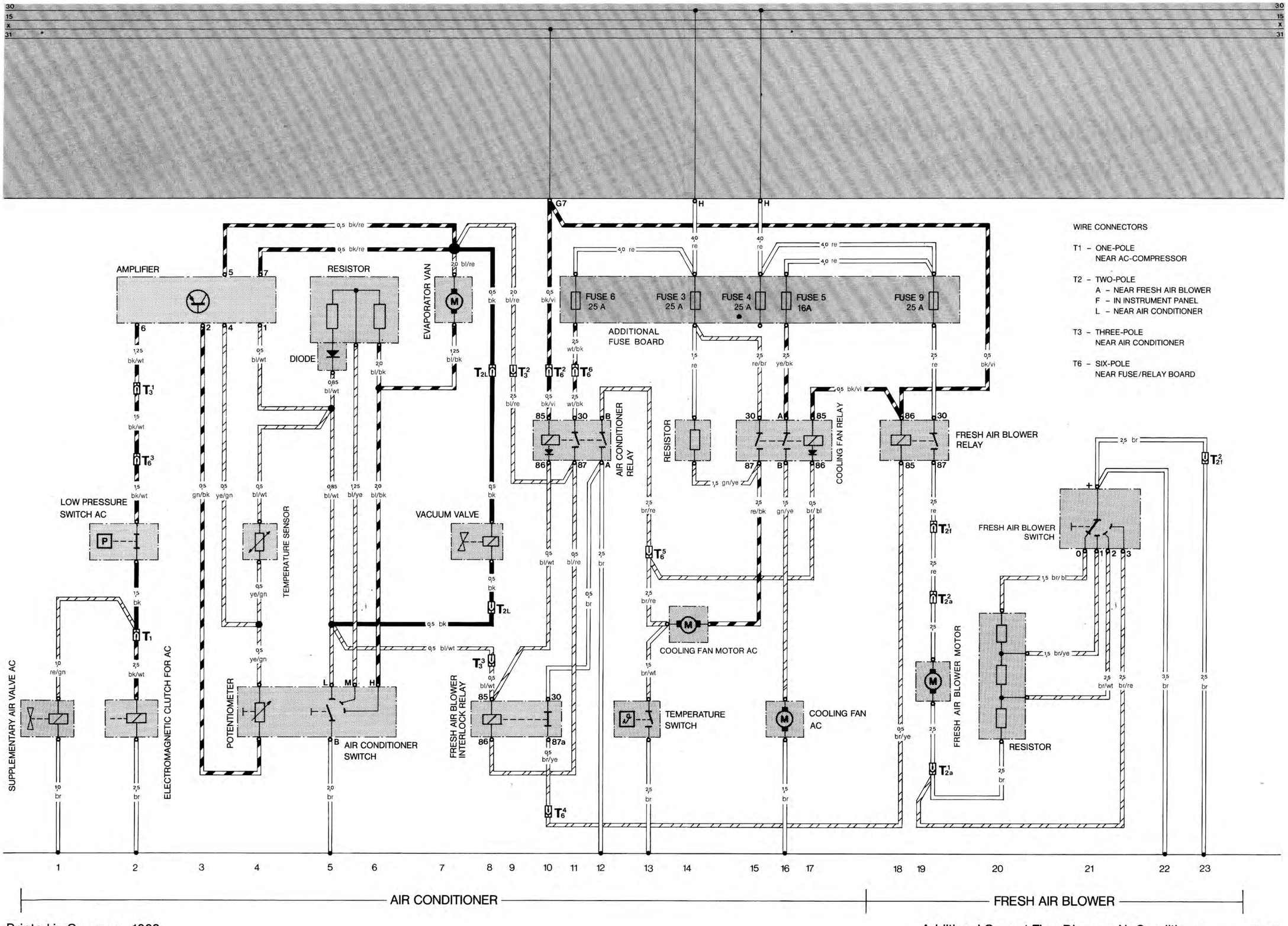
Current Flow Diagram
Type 944 USA Model 83 Part VI



Additional Current Flow Diagram Type 944 USA

AIR CONDITIONER

Additional Current Flow Diagram Type 944 USA Air conditioner



WIRE CONNECTORS

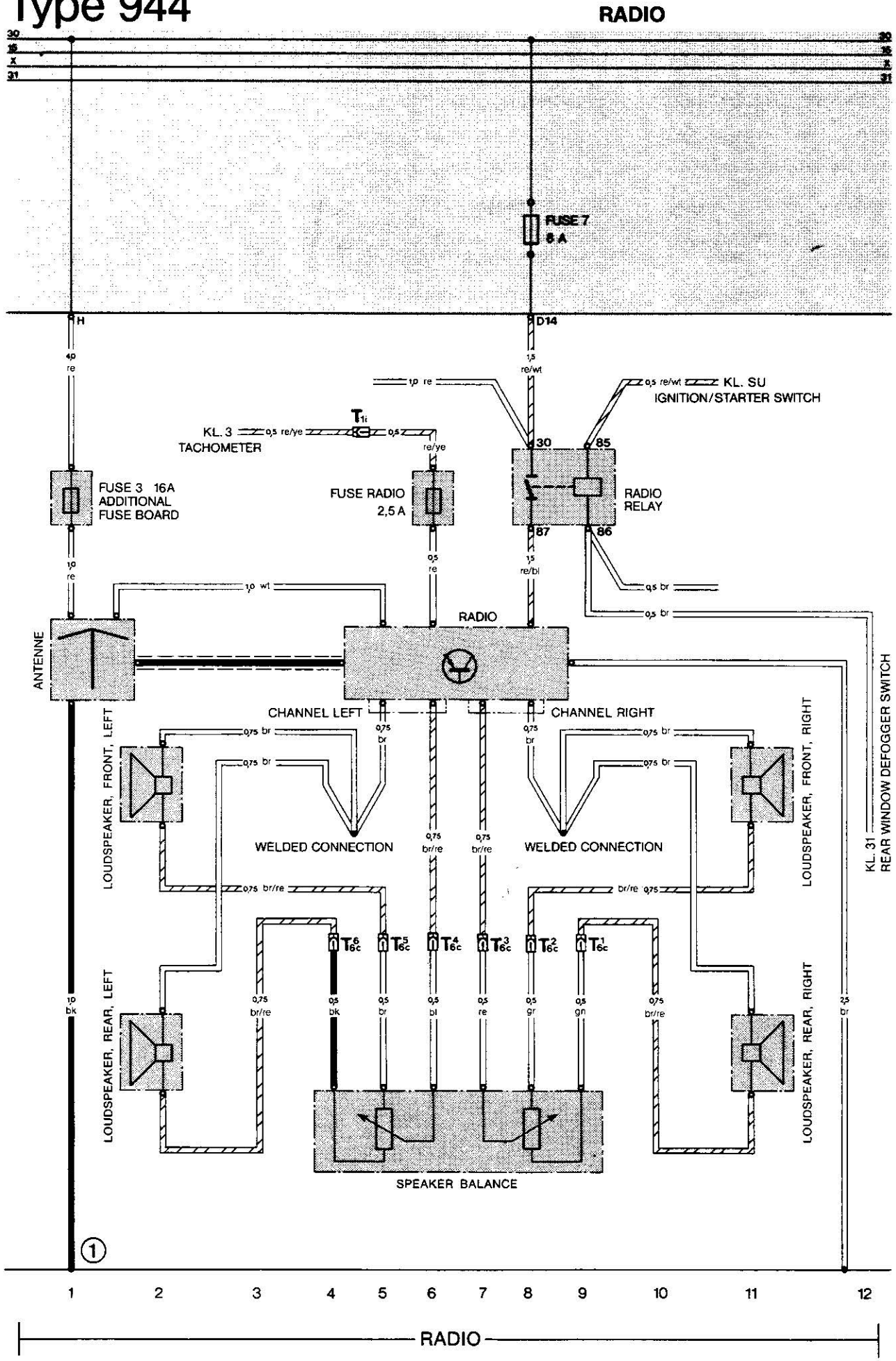
T1 – ONE-POLE
NEAR AC-COMPRESSOR

T2 – TWO-POLE
A – NEAR FRESH AIR BLOWER
F – IN INSTRUMENT PANEL
L – NEAR AIR CONDITIONER

T3 – THREE-POLE
NEAR AIR CONDITIONER

T6 – SIX-POLE
NEAR FUSE/RELAY BOARD

Additional Current Flow Diagram Type 944



Current Flow Diagram Type 944 USA Model 84

PART I	POWER SUPPLY, STARTER DIGITAL MOTOR ELECTRONIC (DME) FUEL PUMP
PART II	LIGHT SWITCH, CONCEALING HEADLIGHT FOG LIGHTS HEADLIGHT PARKING LIGHT, REAR LIGHT
PART III	BRAKE LIGHT EMERGENCY FLASHER TURN SIGNAL, BACK-UP LIGHT HORN INTERIOR LIGHT
PART IV	REAR WINDOW DEFOGGER, IGNITION/STARTER SWITCH, SEAT BELTS BRAKE MONITOR INSTRUMENT CLUSTER
PART V	INSTRUMENTS CENTER CONSOLE WIND SHIELD WIPER REAR LID UNLOCKING
PART VI	FRESH AIR BLOWER COOLING FAN

Current Flow Diagram Type 944 USA Model 84

WIRE CONNECTORS

T1 - ONE-POLE
- A - NEAR FUSE/RELAY BOARD
- B - IN ENGINE COMPARTMENT
- C - NEAR BRAKE BOOSTER
- D - IN INSTRUMENT PANEL
- E - ON REAR LID
- H - NEAR DOOR SWITCH, RIGHT
- I - NEAR RADIO
- K - NEAR DRIVER'S FOOTWELL | RIGHT

T2 - TWO-POLE
- A - NEAR FRESH AIR BLOWER
- B - IN INSTRUMENT PANEL
- F - NEAR FUSE/RELAY BOARD
- G - NEAR FUSE/RELAY BOARD
- H - NEAR ADDITIONAL TURN SIGNAL LEFT
- I - NEAR ADDITIONAL TURN SIGNAL RIGHT
- K - CENTER CONSOLE LEFT
- L - IN ENGINE COMPARTMENT
- M - NEAR FOG LIGHT, LEFT
- N - NEAR FOG LIGHT, RIGHT
- O - CENTER CONSOLE
- P - NEAR FUSE/RELAY BOARD
- Q - AT FRONT AXLE LEFT
- R - AT FRONT AXLE RIGHT
- S - AT REAR AXLE LEFT
- T - AT REAR AXLE RIGHT
- U - AT A-PILLAR LEFT
- V - ON LUGGAGE COMPARTMENT
- W - NEAR FUSE/RELAY BOARD

T3 - THREE-POLE
- B - NEAR HEADLIGHT, LEFT
- C - NEAR HEADLIGHT, RIGHT

T4 - FOUR-POLE
- A - NEAR FUSE/RELAY BOARD
- B - IN INSTRUMENT PANEL

T6 - SIX-POLE
- A - NEAR FUSE/RELAY BOARD
- B - IN CENTER CONSOLE
- C - NEAR FUSE/RELAY BOARD

T7 - SEVEN-POLE
- B - NEAR RIGHT REAR LIGHTS
- C - NEAR LEFT REAR LIGHTS
- G - IN ENGINE COMPARTMENT

T8 - EIGHT-POLE
IN LUGGAGE COMPARTMENT

T9 - NINE-POLE
- A - IN ENGINE COMPARTMENT
- B - NEAR FUSE/RELAY BOARD

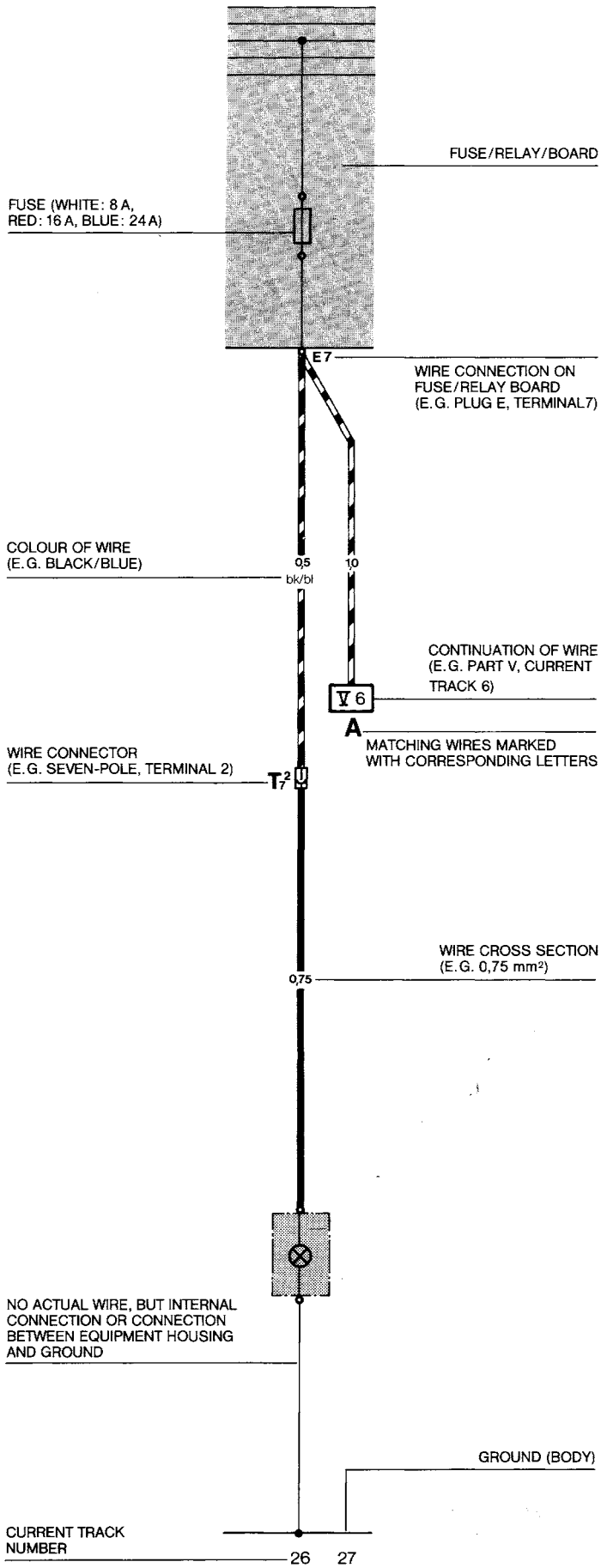
GROUND TERMINALS

① NEAR FUSE/RELAY BOARD
② IN LUGGAGE COMPARTMENT, NEAR LEFT REAR LIGHT
③ NEAR DISTRIBUTOR
④ NEAR LEFT HEADLIGHT
⑤ NEAR RIGHT HEADLIGHT

WIRE COLOURS

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

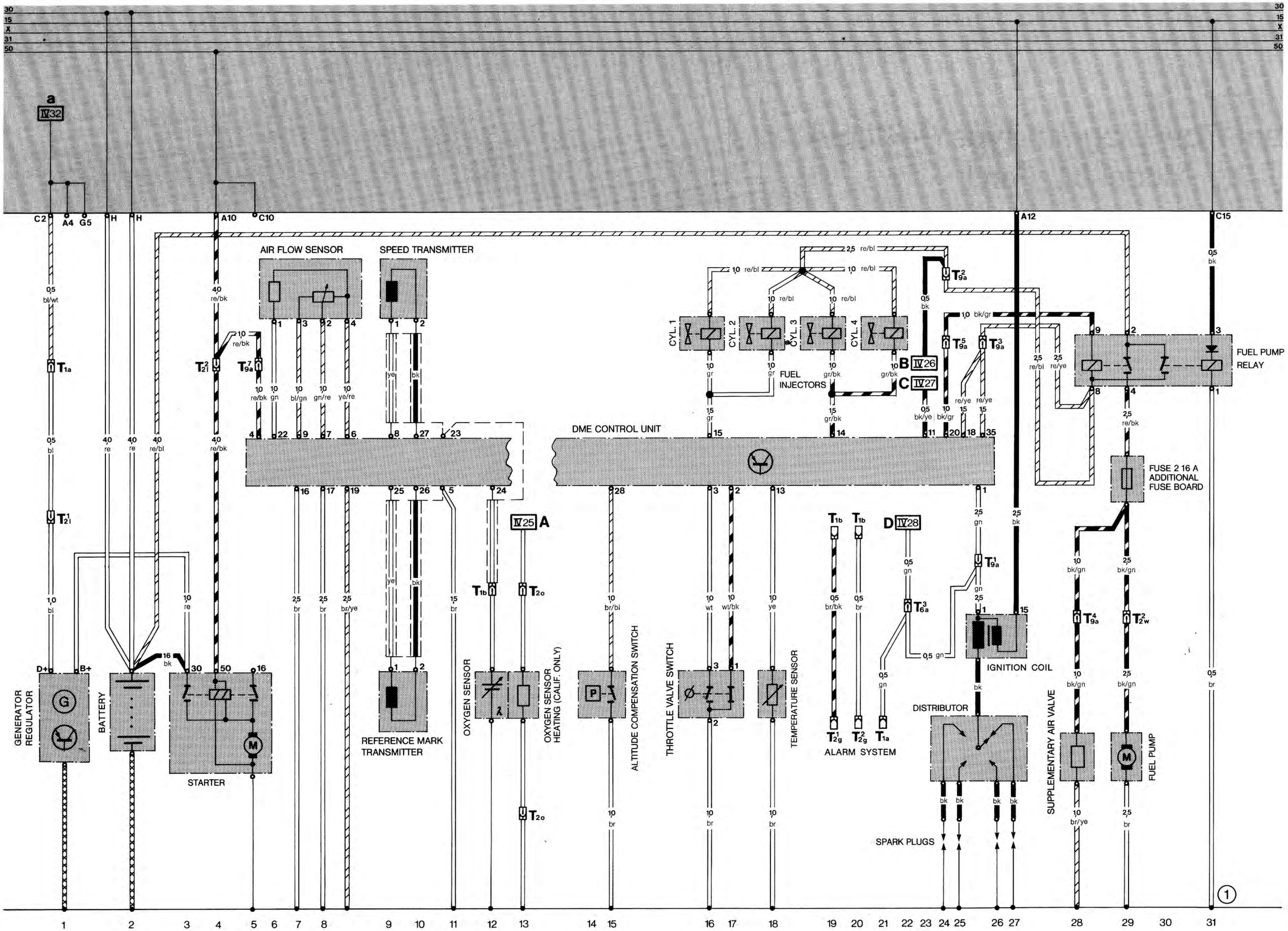
Printed in Germany - III, a 1984


FUSE/RELAY/BOARD
FUSE (WHITE: 8 A,
RED: 16 A, BLUE: 24 A)
E7
WIRE CONNECTION ON
FUSE/RELAY BOARD
(E.G. PLUG E, TERMINAL7)
COLOUR OF WIRE
(E.G. BLACK/BLUE)
0,5
bk/bl
1,0
CONTINUATION OF WIRE
(E.G. PART V, CURRENT
TRACK 6)
V 6
A
MATCHING WIRES MARKED
WITH CORRESPONDING LETTERS
WIRE CONNECTOR
(E.G. SEVEN-POLE, TERMINAL 2)
T7 2
WIRE CROSS SECTION
(E.G. 0,75 mm²)
0,75
NO ACTUAL WIRE, BUT INTERNAL
CONNECTION OR CONNECTION
BETWEEN EQUIPMENT HOUSING
AND GROUND
GROUND (BODY)
CURRENT TRACK
NUMBER
26
27

Current Flow Diagram Type 944 USA Model 84 Part I

POWER SUPPLY, STARTER
DIGITAL MOTOR ELECTRONIC (DME)
FUEL PUMP

Current Flow Diagram Type 944 USA Model 84 Part I



Current Flow Diagram Type 944 USA Model 84 Part II

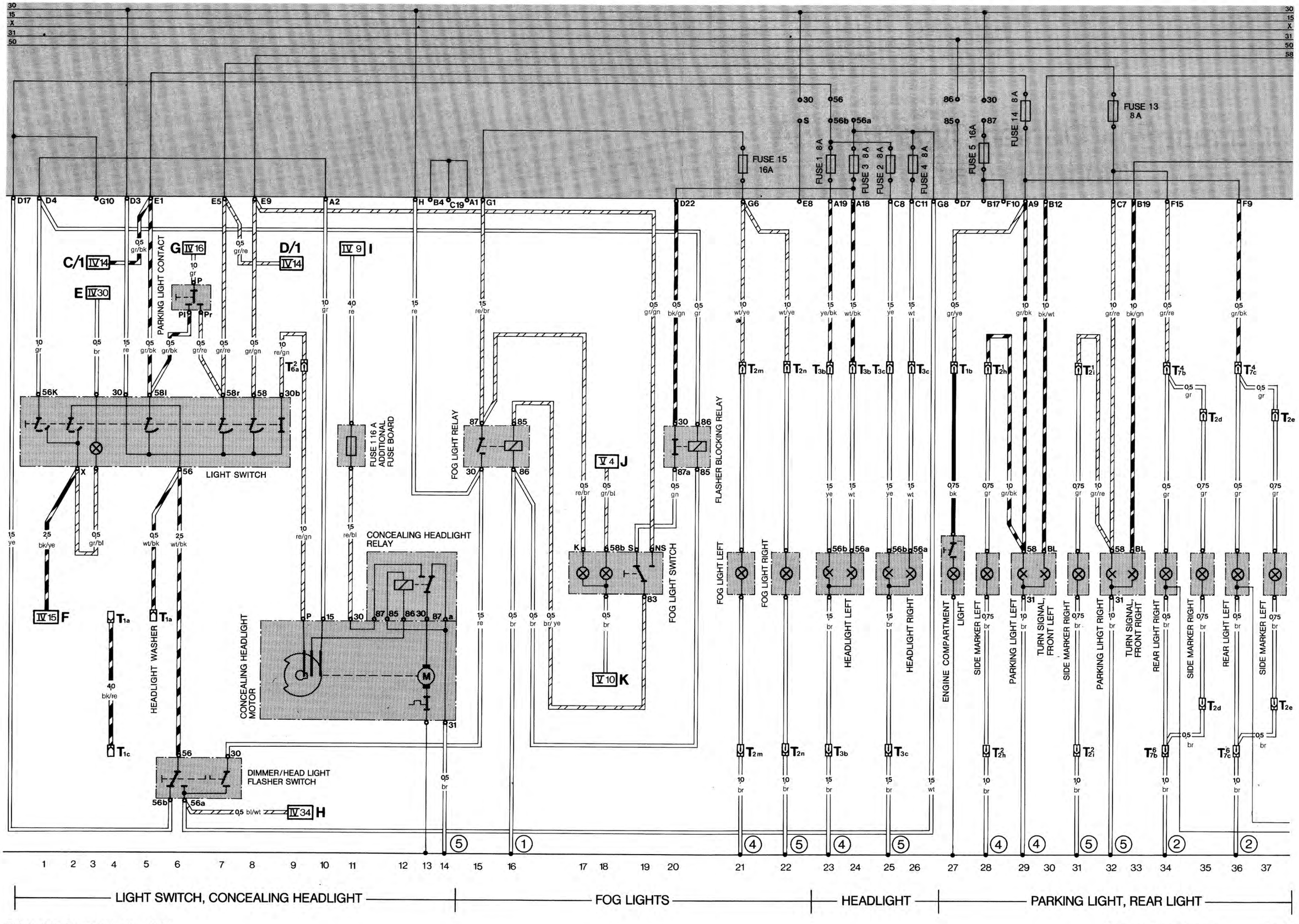
LIGHT SWITCH, CONCEALING HEADLIGHT

FOG LIGHTS

HEADLIGHT

PARKING LIGHT, REAR LIGHT

Current Flow Diagram Type 944 USA Model 84 Part II



Current Flow Diagram Type 944 USA Model 84 Part III

BRAKE LIGHT

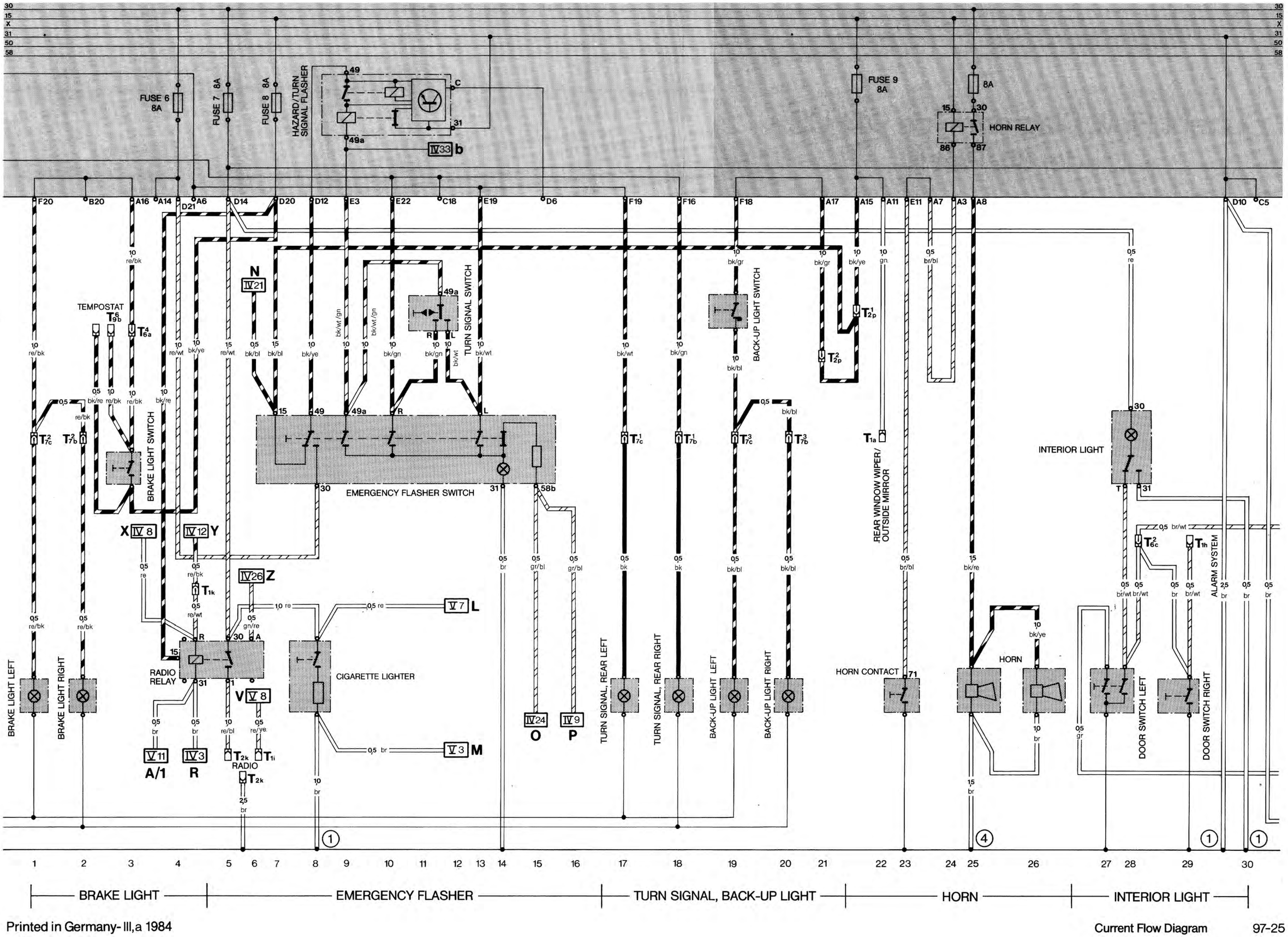
EMERGENCY FLASHER

TURN SIGNAL, BACK-UP LIGHT

HORN

INTERIOR LIGHT

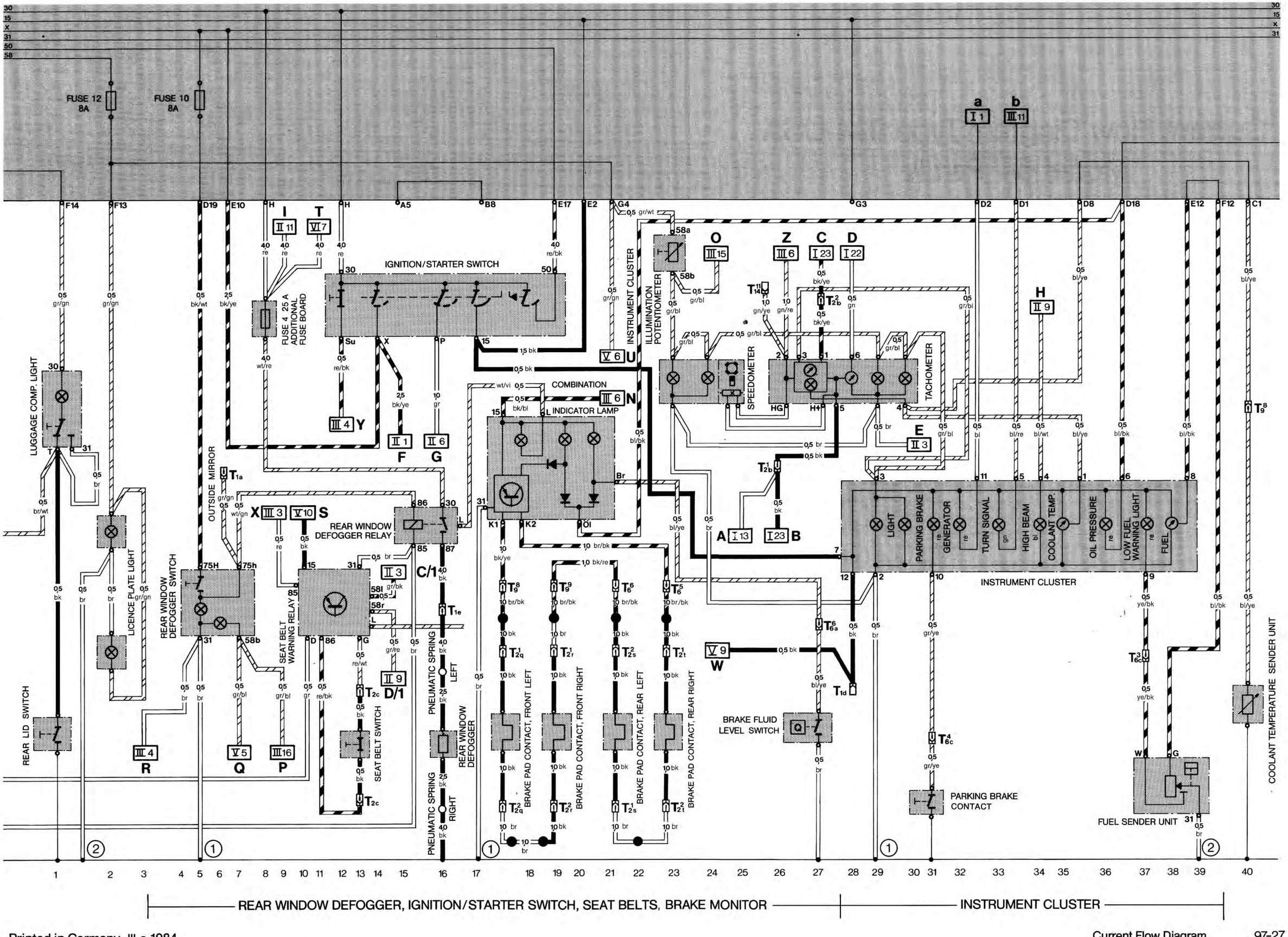
Current Flow Diagram Type 944 USA Model 84 Part III



Current Flow Diagram Type 944 USA Model 84 Part IV

REAR WINDOW DEFOGGER,
IGNITION/STARTER SWITCH, SEAT BELTS
BRAKE MONITOR
INSTRUMENT CLUSTER

Current Flow Diagram Type 944 USA Model 84 Part IV



Current Flow Diagram Type 944 USA Model 84 Part V

INSTRUMENTS CENTER CONSOLE

WIND SHIELD WIPER

REAR LID UNLOCKING

Current Flow Diagram Type 944 USA Model 84 Part V

30
15
X
31

FUSE 11
8A

53S
15
31
INTERVALL WIPING, RELAY
53M
S1

G9

C12 E16 E15 E21 E18 G2 E7 E20 C6 C16 C9 C13 D5 C17

Q IV 7
U IV 21
L III 12
V III 6
W IV 24
S IV 10

0,5 gr/bl
0,5 gr/gn
0,5 re
0,5 ye
0,5 bk
0,5 bk

T_{6b}^3 T_{6b}^1 T_{6b}^5 T_{6b}^4

0,5 gr/bl
0,5 gr/bl
0,5 gr/bl
0,5 gr/bl
0,5 re
0,5 bk
0,5 bk
0,5 gr/bl

0,5 gr/bl
0,5 gr/bl

HEATER CONTROL ASSEMBLY LIGHT
CLOCK
OIL PRESSURE INDICATOR
VOLTMETER

0,5 br
0,5 br
0,5 br
0,5 bl/wt
0,5 br
0,5 br

II 18
J

0,5 br

T_{6b}^2

0,5 bl/wt

T_{6b}^6

T_{6a}^1

0,5 bl/wt

T_{9a}^6

0,5 bl/wt

T_{9a}^9

0,5 bl/bk

0,5 br
0,5 br

II 18
K

III 3
A/1

GLOVE COMPARTMENT LIGHT
0,5 gr/bl
ASHTRAY LIGHT
0,5 br
0,5 br
III 12 M

G
Wk
OIL PRESSURE SENDER UNIT

0,5 bl/bk
0,5 gn
0,5 bk/gr
0,5 gn/ye
0,5 gn/bk
0,5 br/bk
0,5 gn/re
1,0 gn/bk
1,0 gn/ye
1,0 gn
1,0 bk/gr
1,0 gn/re

53b 53 S1 53c
53a 53e
WIND SHIELD WIPER SWITCH
0,5 br

53 53b 31b 53a
31
WIND SHIELD WIPER
1,0 br

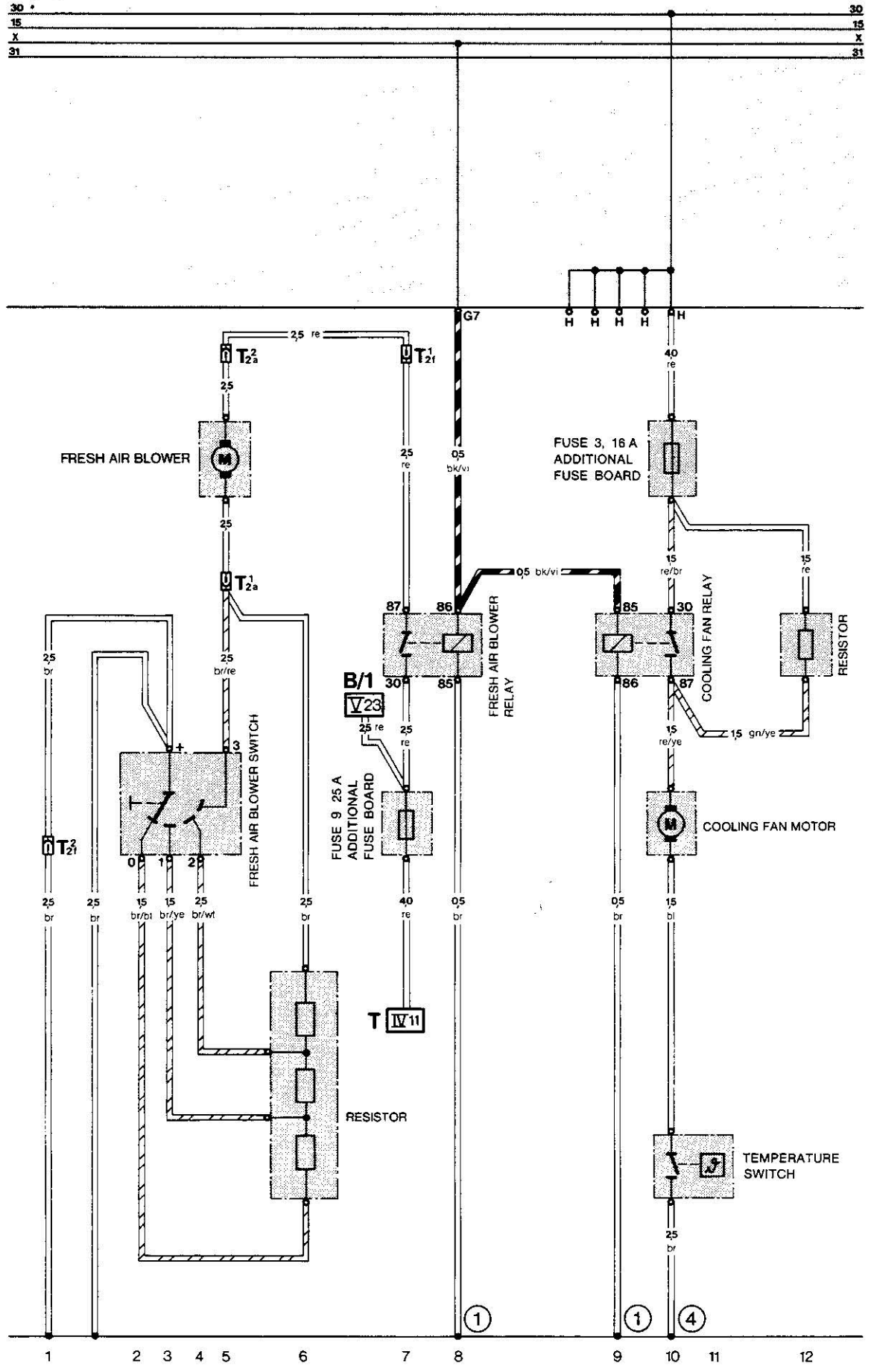
WIND SHIELD WASHER PUMP
1,0 br

B/1 VI 7
2,5 re
T_{2w}^1
1,0 re/wt
3 5
2
2,5 re
1,0 bl
1,0 wt
SWITCH REAR LID UNLOCKING
T_{2v}^2
1,0 re
53 31b
53a 31
MOTOR REAR LID UNLOCKING
1,0 br

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

INSTRUMENTS CENTER CONSOLE — WIND SHIELD WIPER — REAR LID UNLOCKING

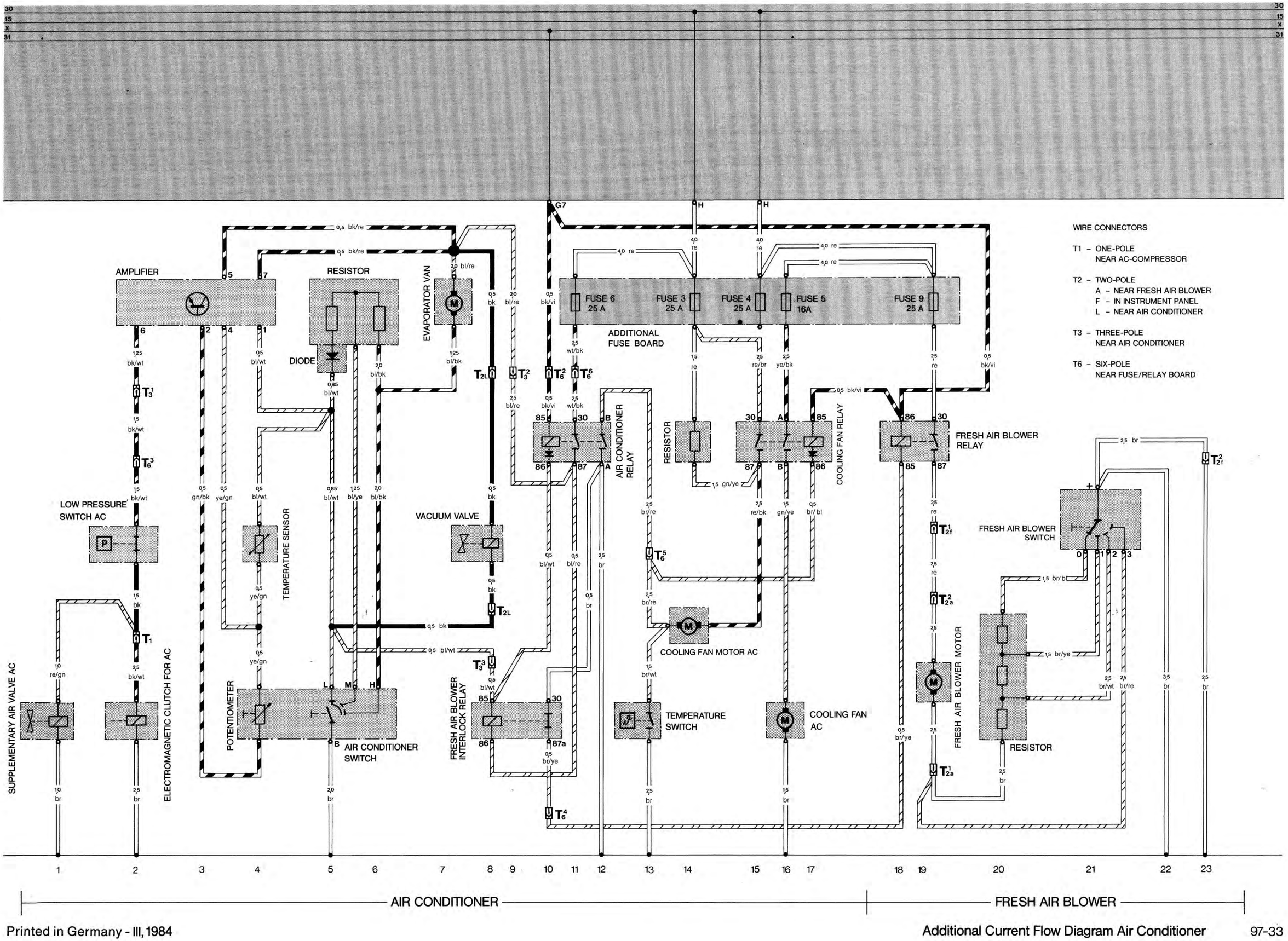
Current Flow Diagram
Type 944 USA Model 84 Part VI



Additional Current Flow Diagram Type 944 USA

AIR CONDITIONER

Additional Current Flow Diagram Type 944 USA Air conditioner



WIRE CONNECTORS

T1 – ONE-POLE
NEAR AC-COMPRESSOR

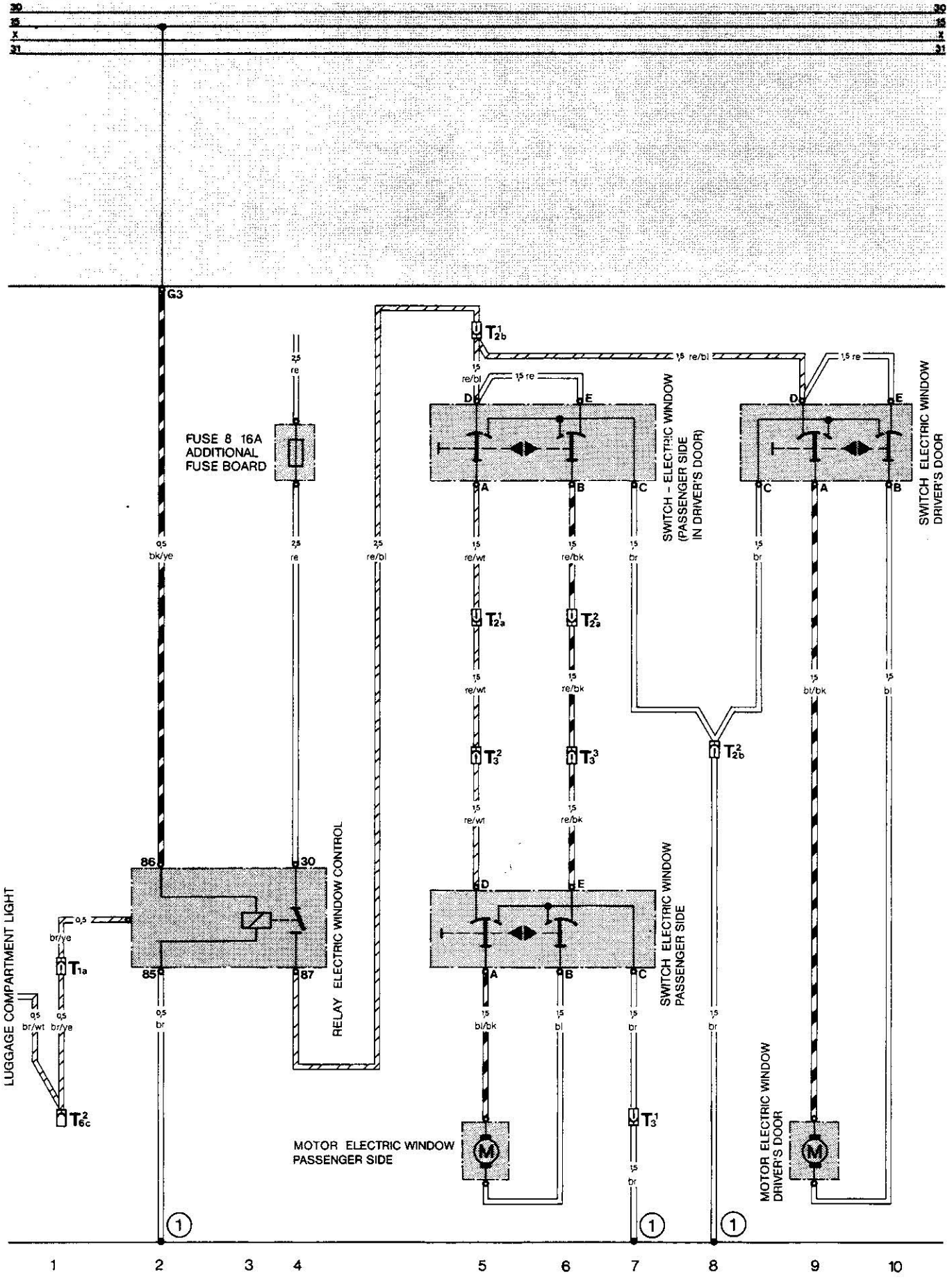
T2 – TWO-POLE
A – NEAR FRESH AIR BLOWER
F – IN INSTRUMENT PANEL
L – NEAR AIR CONDITIONER

T3 – THREE-POLE
NEAR AIR CONDITIONER

T6 – SIX-POLE
NEAR FUSE/RELAY BOARD

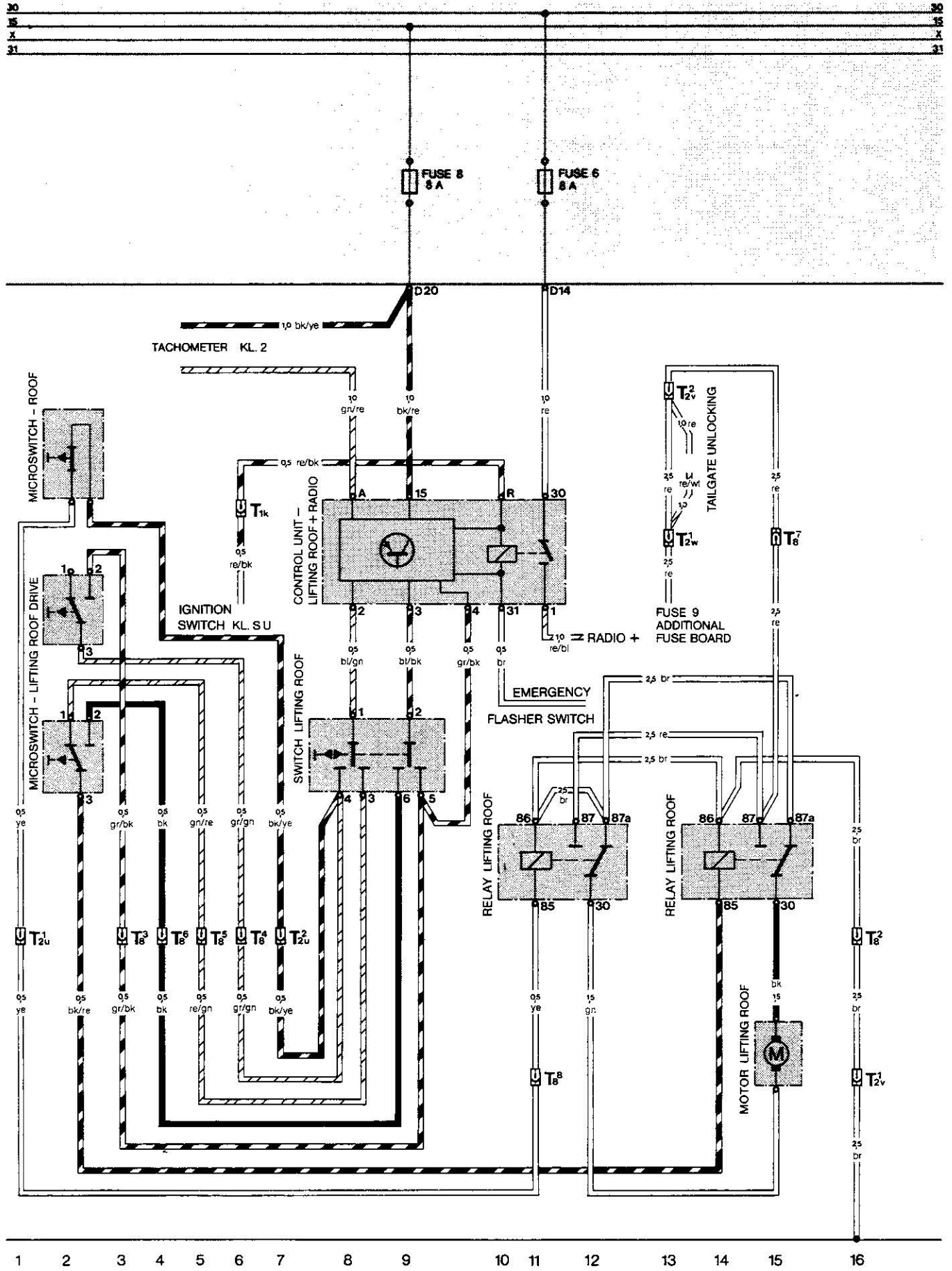
Additional Current Flow Diagram Type 944 Modell 84 USA

ELECTRIC WINDOW CONTROL

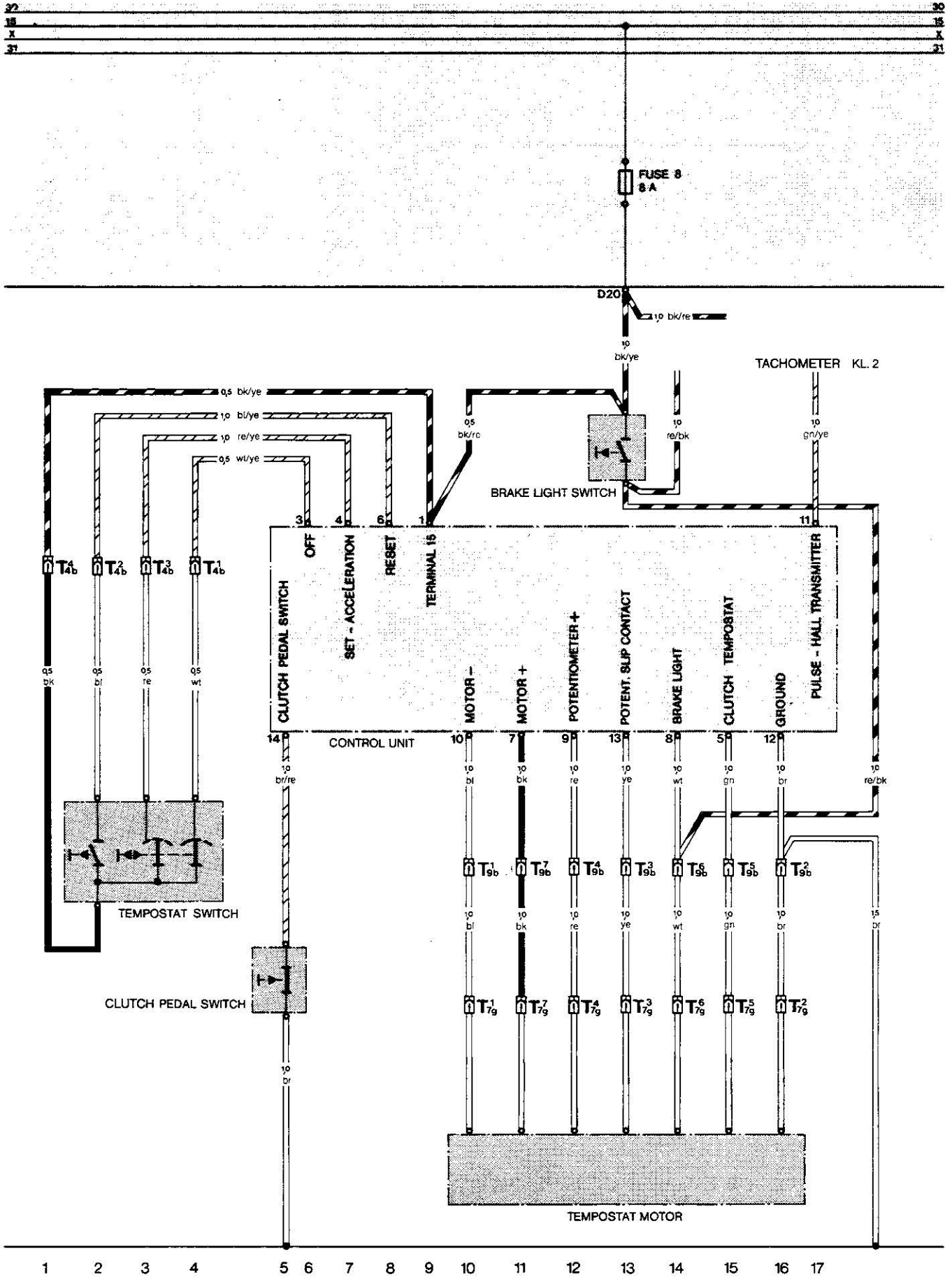


Additional Current Flow Diagram Type 944 Modell 84 USA

LIFTING ROOF



Additional Current Flow Diagram Type 944 Modell 84 TEMPOSTAT USA



Wiring Diagram Type 944, 944 turbo Model 85/2

Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638 **94 FN 451912**
95 FN 100122 **95 FN 150106**

Wiring Diagram Type 944, 944 turbo Model 85/2

The 944, 85/2 model, is being accompanied by a new generation of wiring diagrams.

The wiring diagram consists of eight 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 new. They 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 Model 85/2 page 1

LIGHTING ROW/SA

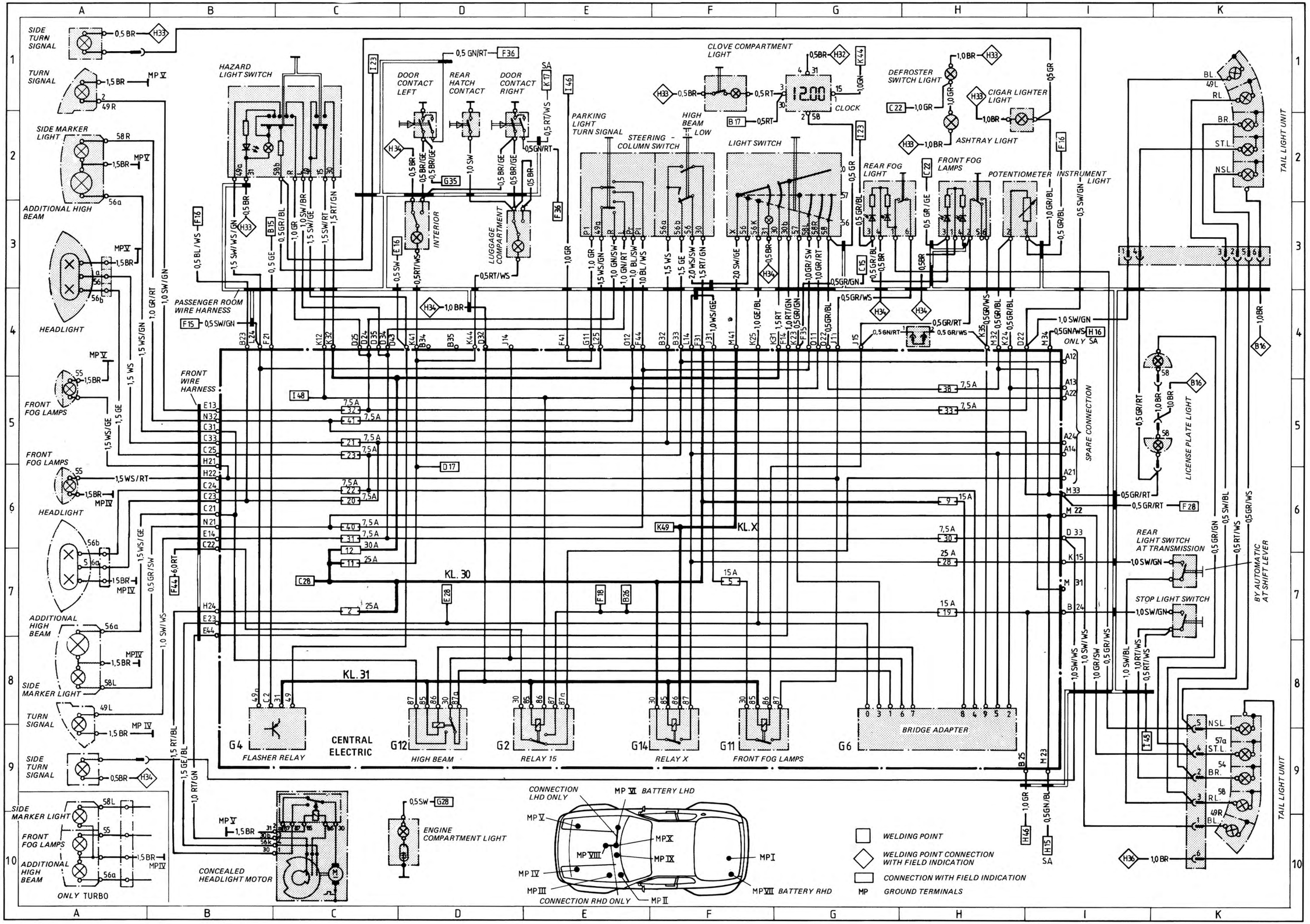
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 45 1912**
95 FN 10 0122	**95 FN 15 0106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 1

LIGHTING ROW/SA



Wiring Diagram Type 944, 944 turbo Model 85/2 page 2

LIGHTING USA

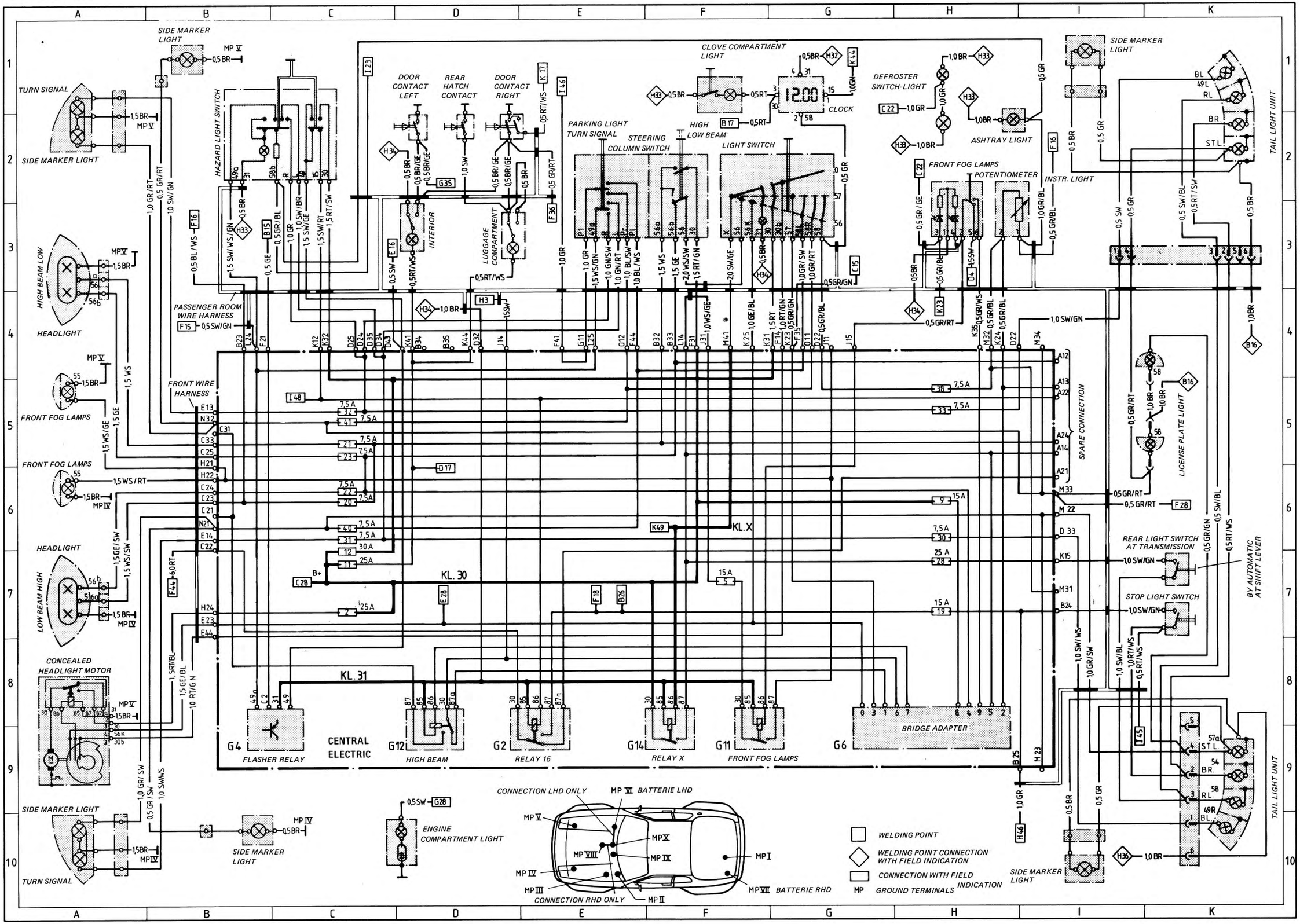
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 451912**
95 FN 100122	**95 FN 150106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 2

LIGHTING USA



Wiring Diagram Type 944, 944 turbo Model 85/2 page 3

INSTRUMENT CLUSTER AND SENSORS
ROW

Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 451912**
95 FN 100122	**95 FN 150106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 3

INSTRUMENT CLUSTER AND SENSORS ROW

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

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR LEAD R
2	BRAKE PAD WEAR LEAD F
3	KL 15
4	FUEL SENSOR
5	SEAT BELT WARNING
6	KL 31
7	BRAKE PAD WEAR LEAD
8	FUEL SENSOR
9	BRAKE FLUID
10	OIL WARNING
11	BRAKE FLUID

INSTRUMENT CLUSTER · CONNECTION ADD. ELECTRIC · TACHOMETER · ELECTRONIC SPEEDOMETER · FUEL CONSUMPTION · WATER TEMP. · FUEL · OIL · VOLT · KVM HSA · BOOST PRESSURE · 68/5

PLUG LEFT · PLUG CENTER · PLUG RIGHT

ONLY AUTOMATIC SHIFT INDIC. · TDM · 8 PIN PLUG · SWITCH · SHIFT LEVER

BRAKE PAD WEAR LEAD FR · SPEEDOMETER RESET · PARKING BRAKE · SEAT BELT CONTACT · CIGARE LIGHTER · TEMP. SENSOR CATALYZER · BRAKE FLUID RESERVOIR · FRONT WIRE HARNESS · BRAKE PAD WEAR LEAD FL

FUEL LEVEL TRANSMITTER · BRAKE PAD WEAR LEAD RR · SPEEDOMETER TRANSM. ON TRANSMISSION HOUSING · TAILGATE UNLOCKING MOTOR · 3 PIN PLUG TAILGATE UNLOCKING · TAILGATE UNLOCKING SWITCH · BUZZER CONTACT · NOT APPLICABLE FOR MANUAL TRANSMISSION · PASSENGER ROOM WIRE HARNESS · BRAKE PAD WEAR LEAD RL

BUZZER (USA/JAPAN) G8 · KL. 31 · KL. 15E · 7,5 A

CENTRAL ELECTRIC

CATALYZER SUPERVISION ONLY JAPAN G 16

CONNECTION LHD ONLY · BATTERY LHD · BATTERY RHD · CONNECTION RHD ONLY · MP I · MP II · MP III · MP IV · MP V · MP VI · MP VII · MP VIII · MP IX · MP X

WELDING POINT
WELDING POINT CONNECTION WITH FIELD INDICATION
CONNECTION WITH FIELD INDICATION
MP GROUND TERMINALS

Wiring Diagram Type 944, 944 turbo Model 85/2 page 4

INSTRUMENT CLUSTER AND SENSORS
USA/SA

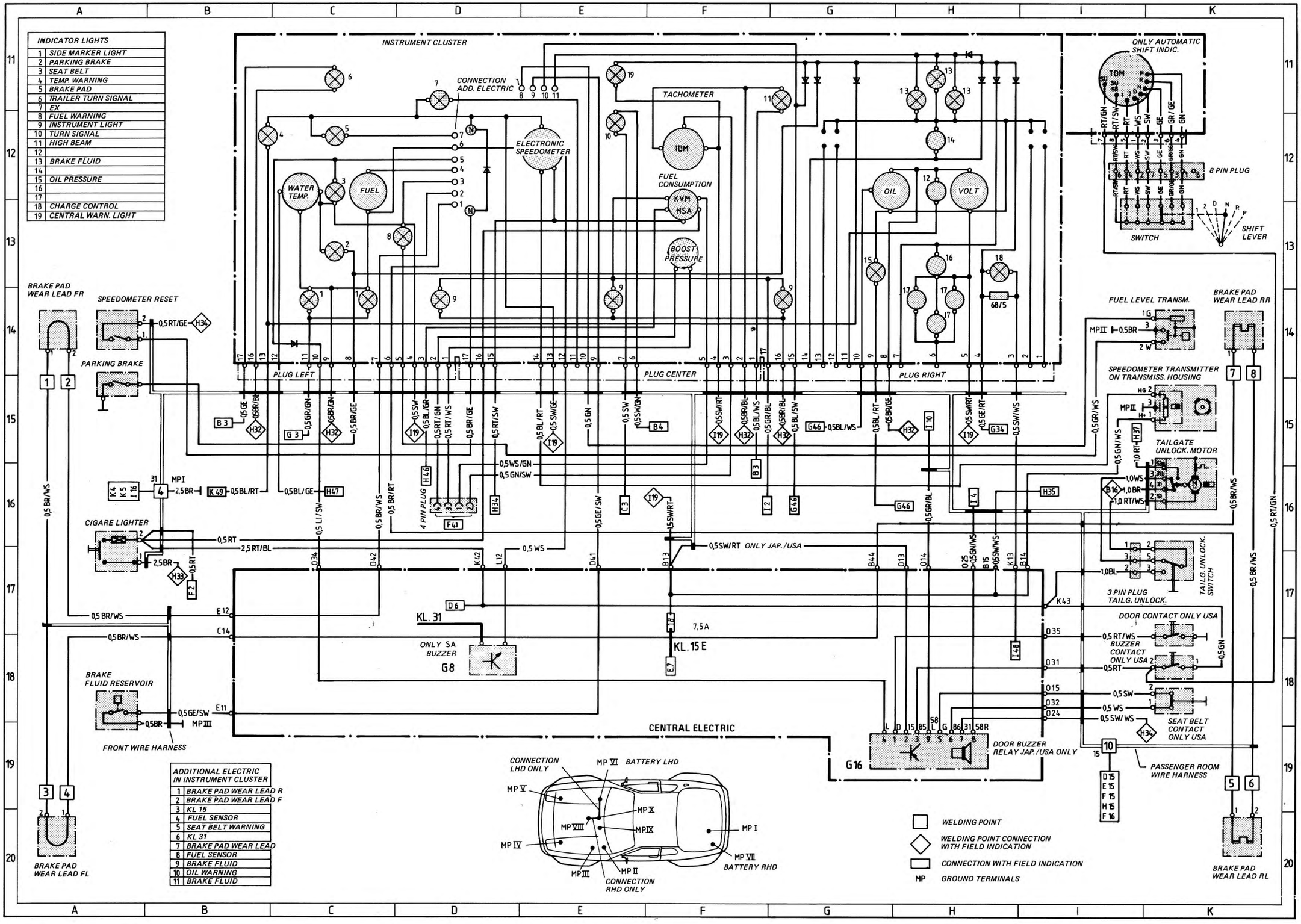
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 45 1912**
95 FN 10 0122	**95 FN 15 0106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 4

INSTRUMENT CLUSTER AND SENSORS USA/SA



Wiring Diagram Type 944, 944 turbo Model 85/2 page 5

HEATING, A/C, VENTILATION, ELECTR.
SEATS, WIPER AND WASHER SYSTEM

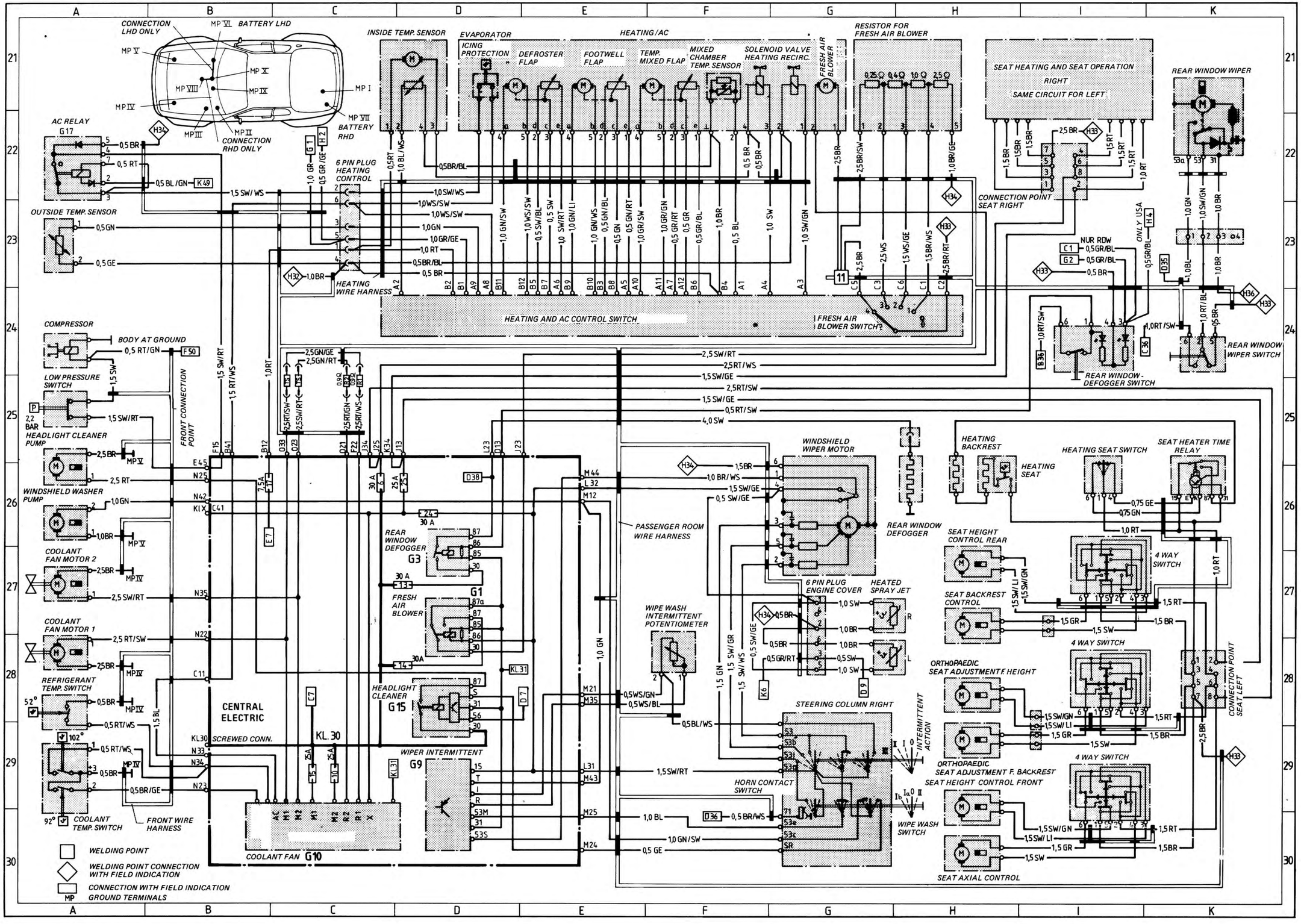
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 45 1912**
95 FN 10 0122	**95 FN 15 0106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 5

HEATING, A/C, VENTILATION, ELECTR. SEATS, WIPER AND WASHER SYSTEM



Wiring Diagram Type 944, 944 turbo Model 85/2 page 6

HORNS, MIRRORS, WINDOW LIFTERS,
ALARM SYSTEM, TILTING ROOF

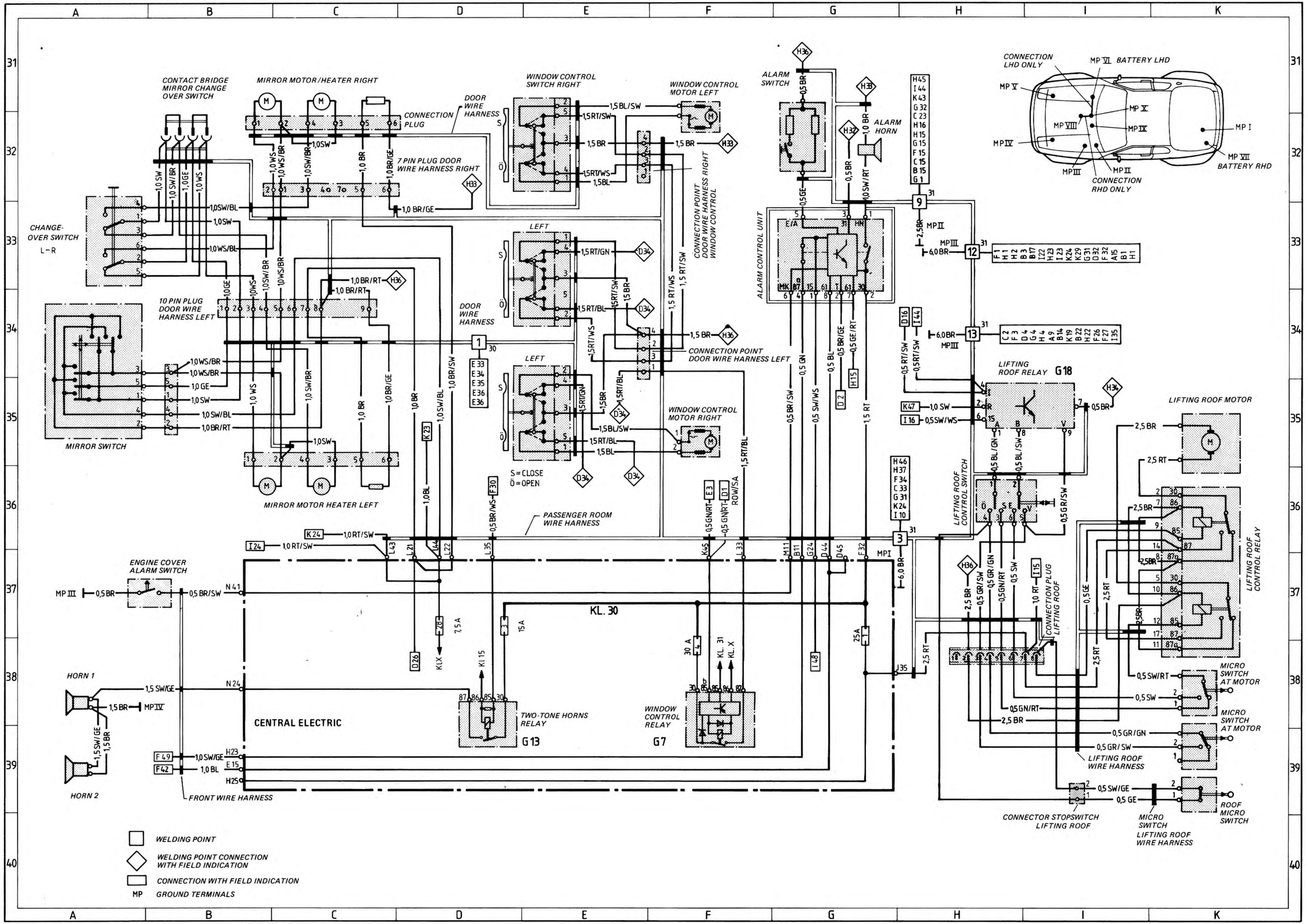
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 45 1912**
95 FN 10 0122	**95 FN 15 0106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 6

HORNS, MIRRORS, WINDOW LIFTERS, ALARM SYSTEM, TILTING ROOF



Wiring Diagram Type 944, 944 turbo Model 85/2 page 7

ENGINE COMPARTMENT

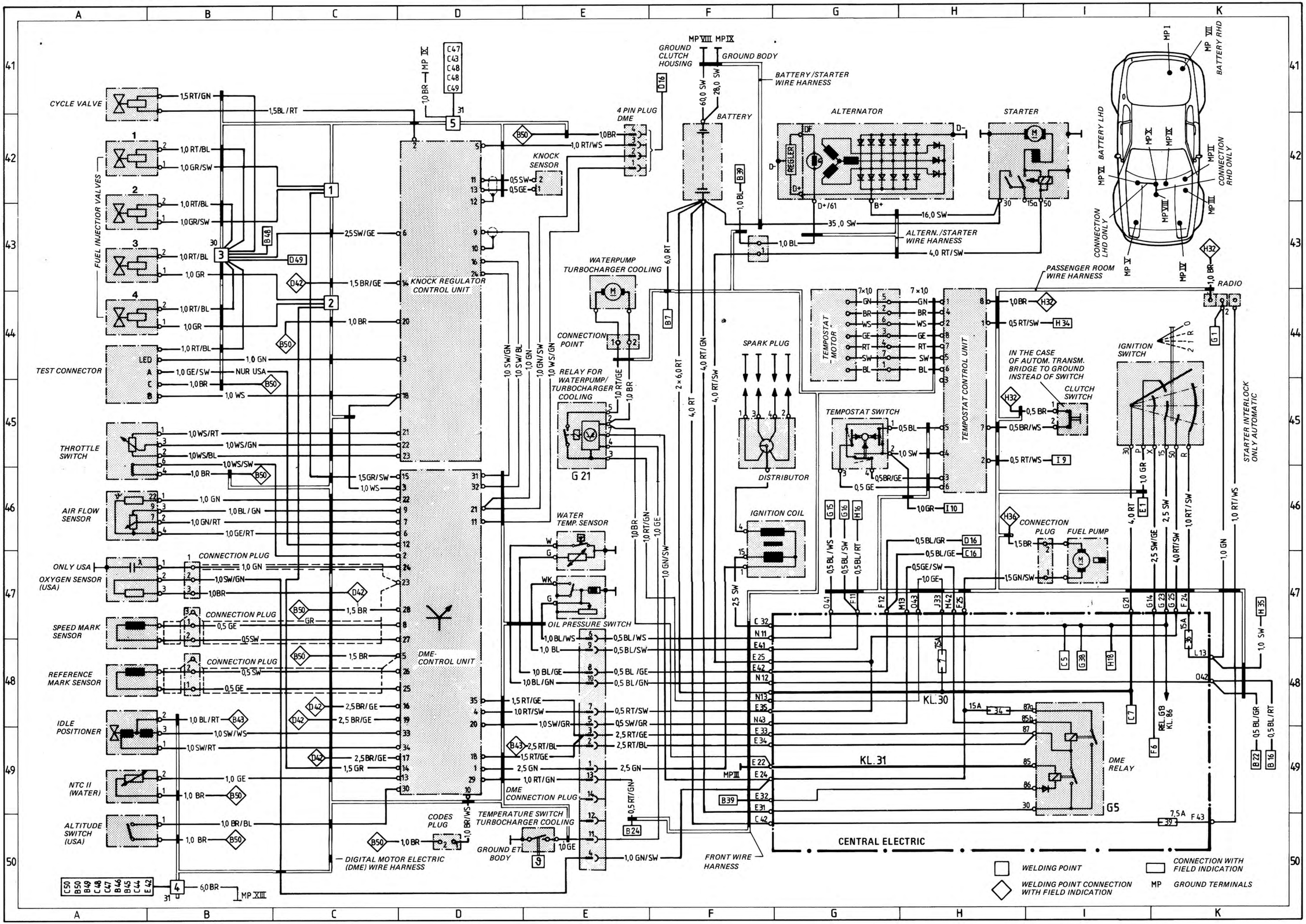
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 45 1912**
95 FN 10 0122	**95 FN 15 0106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 7

ENGINE COMPARTMENT



Wiring Diagram Type 944, 944 turbo Model 85/2 page 8

CENTRAL-ELECTRICS BOX

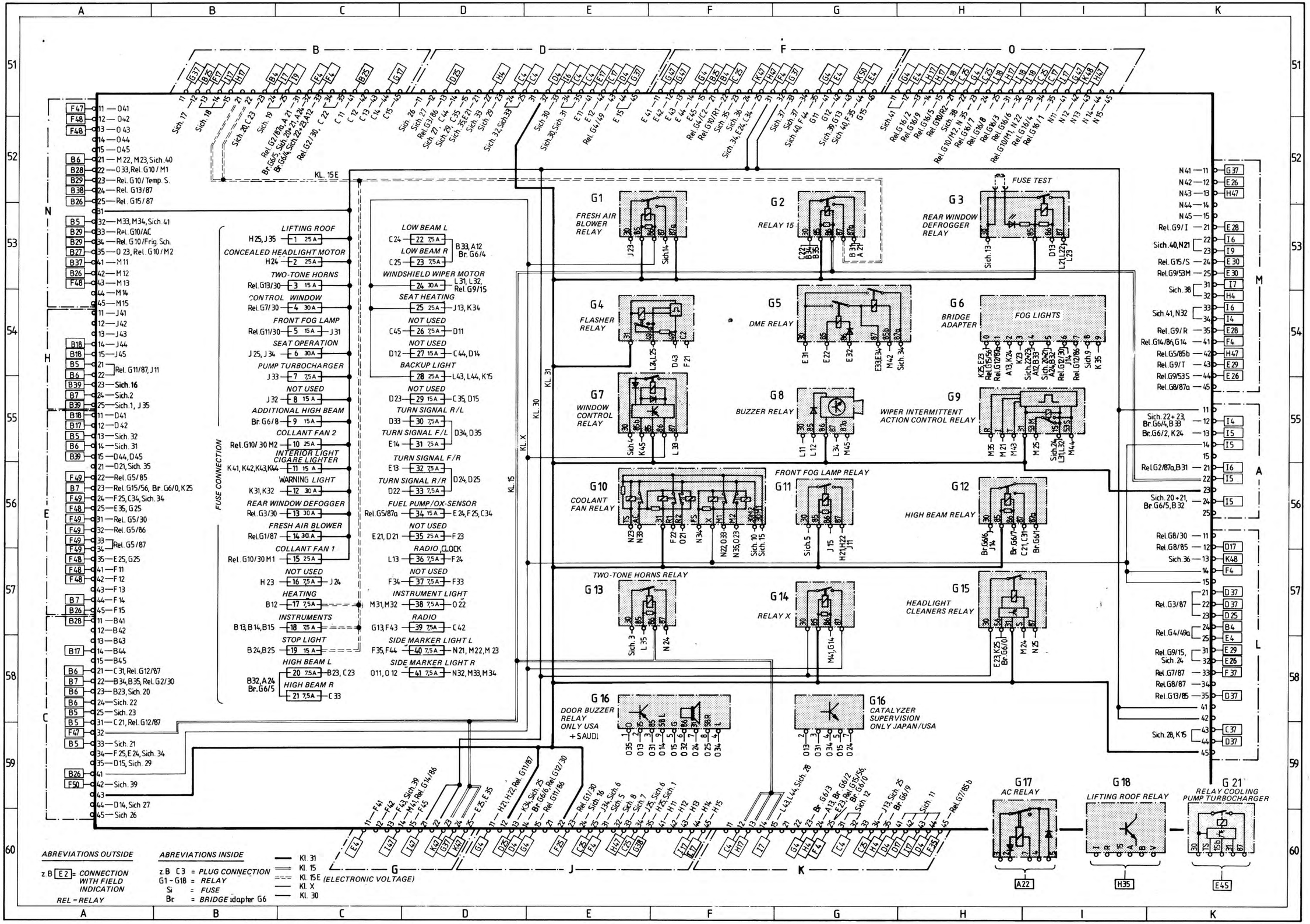
Attention!

Only for vehicles up to vehicle identification No.

94 FN 401638	**94 FN 45 1912**
95 FN 10 0122	**95 FN 15 0106**

Wiring Diagram Type 944, 944 turbo Model 85/2 page 8

CENTRAL-ELECTRICS BOX



Wiring Diagram Type 944, 944 turbo Model 85/2

Wiring Diagram Type 944, 944 turbo Model 85/2

The 944, 85/2 model, is being accompanied by a new generation of wiring diagrams.

The wiring diagram consists of eight 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 new. They 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".

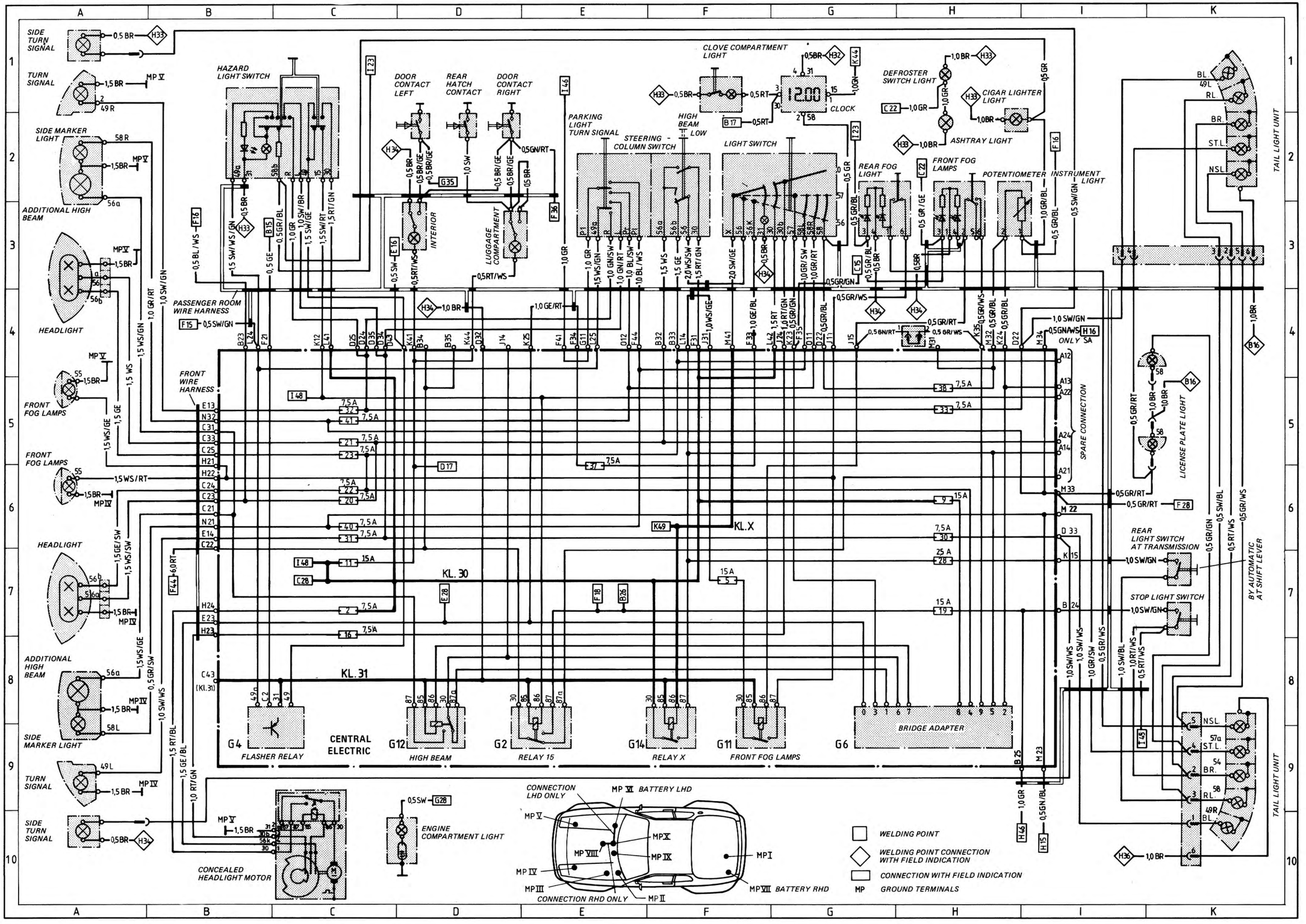
The designations of the plug connections in the wiring diagram of the central-electrics box refer to the "starting element" from, for example, B 11 . . . . . 15, and to the first module element from B 21 . . . . . 25.

Wiring Diagram Type 944, 944 turbo Model 85/2 page 1

LIGHTING ROW/SA

Wiring Diagram Type 944, 944 turbo Model 85/2 page 1

LIGHTING ROW/SA

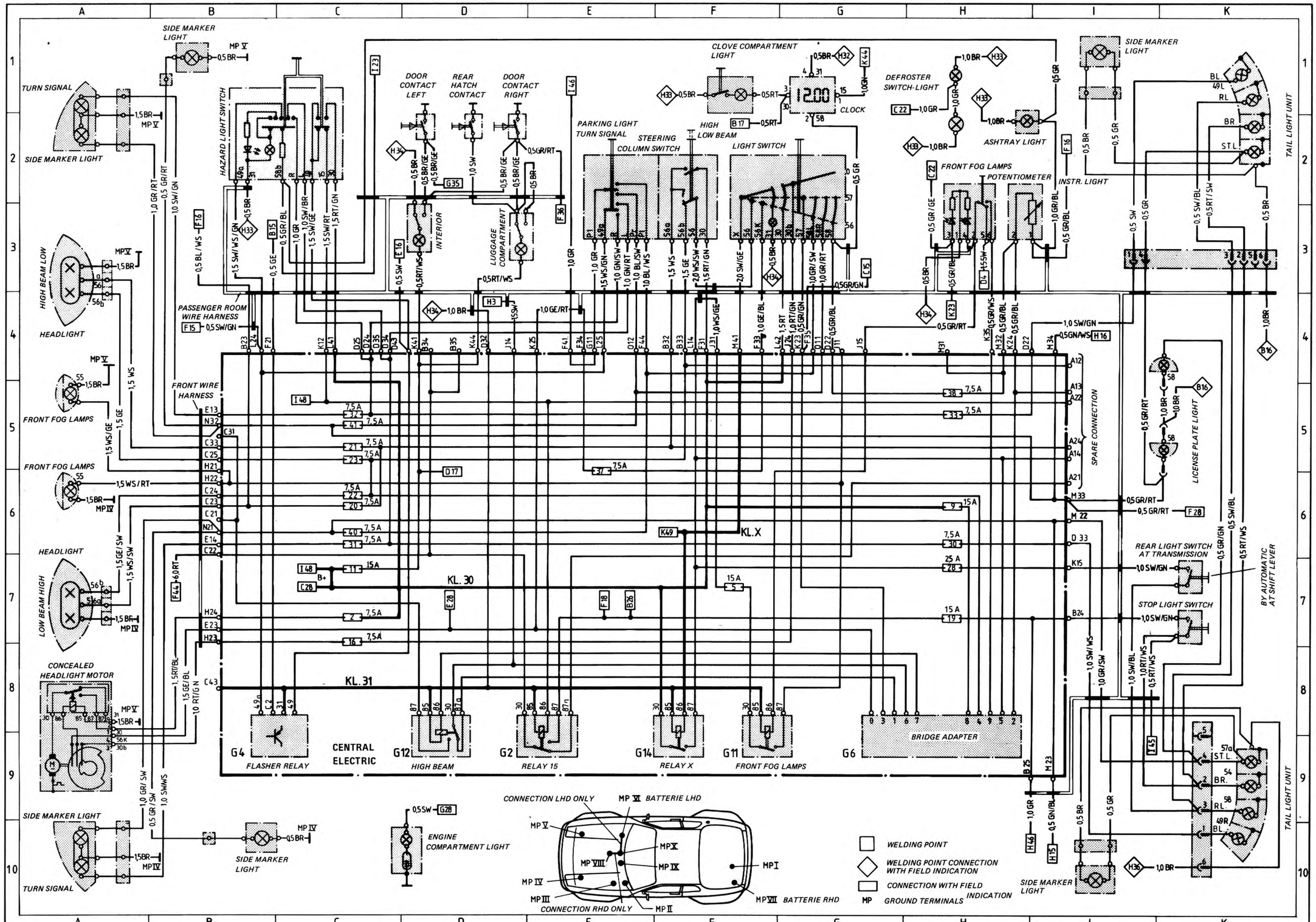


Wiring Diagram Type 944, 944 turbo Model 85/2 page 2

LIGHTING USA

Wiring Diagram Type 944, 944 turbo Model 85/2 page 2

LIGHTING USA



Wiring Diagram Type 944, 944 turbo Model 85/2 page 3

INSTRUMENT CLUSTER AND SENSORS

ROW

Wiring Diagram Type 944, 944 turbo Model 85/2 page 3

INSTRUMENT CLUSTER AND SENSORS ROW

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

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR LEAD R
2	BRAKE PAD WEAR LEAD F
3	KL 15
4	FUEL SENSOR
5	SEAT BELT WARNING
6	KL 31
7	BRAKE PAD WEAR LEAD
8	FUEL SENSOR
9	BRAKE FLUID
10	OIL WARNING
11	BRAKE FLUID

WELDING POINT

WELDING POINT CONNECTION WITH FIELD INDICATION

CONNECTION WITH FIELD INDICATION

MP GROUND TERMINALS

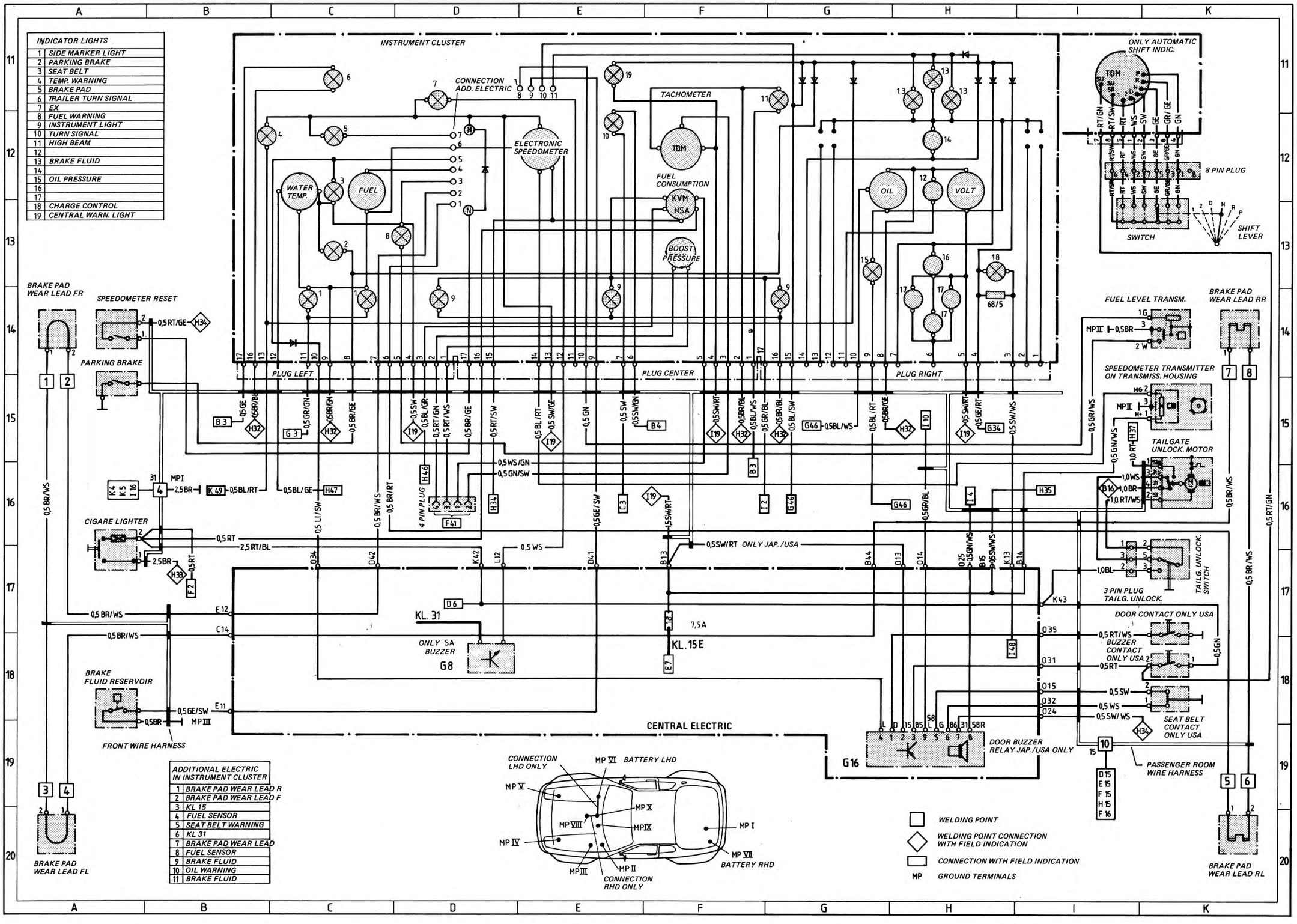
SW = BLACK WS = WHITE RT = RED GN = GREEN GE = YELLOW GR = GREY BR = BROWN BL = BLUE LI = VIOLET

Wiring Diagram Type 944, 944 turbo Model 85/2 page 4

INSTRUMENT CLUSTER AND SENSORS
USA/SA

Wiring Diagram Type 944, 944 turbo Model 85/2 page 4

INSTRUMENT CLUSTER AND SENSORS USA/SA

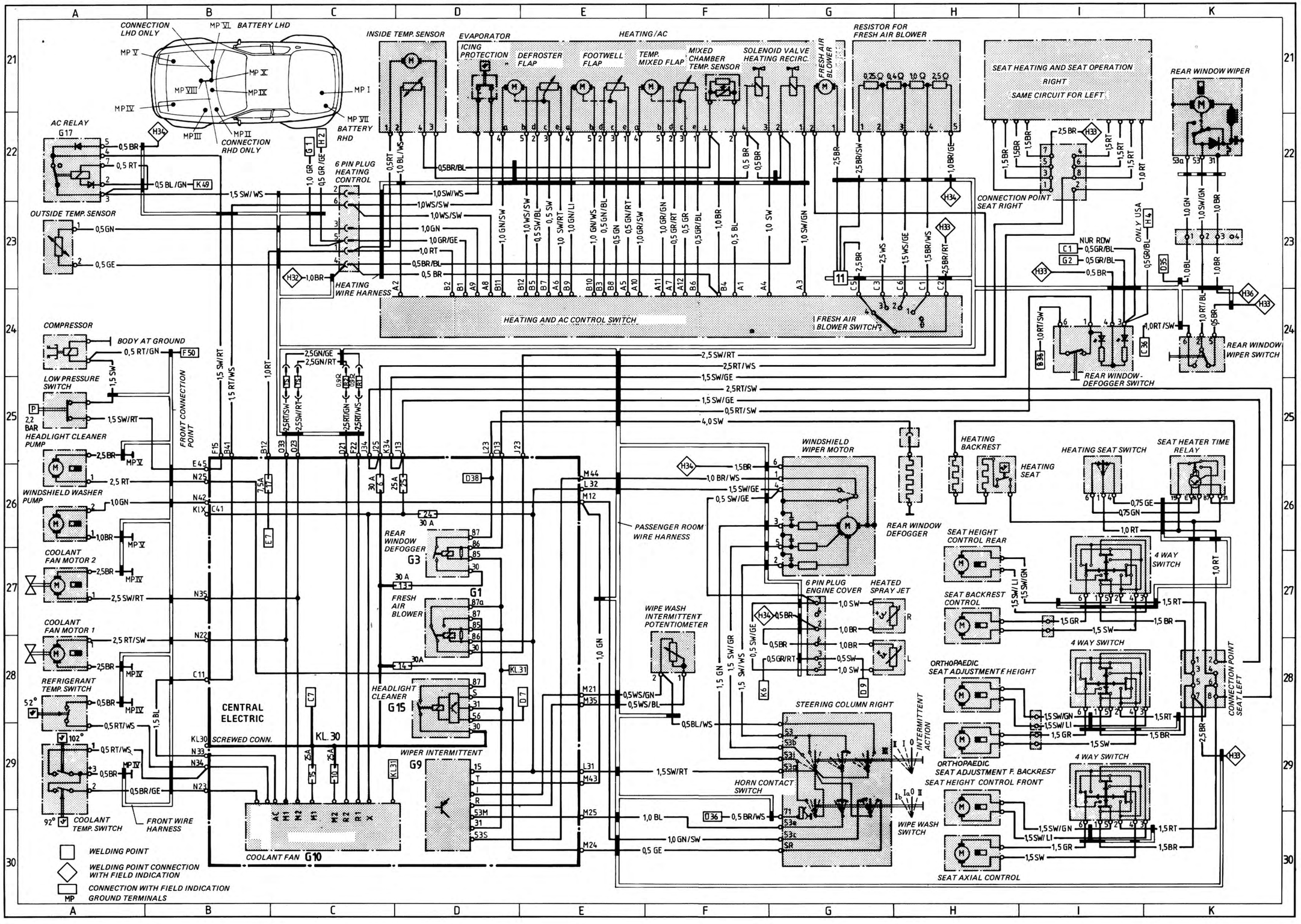


Wiring Diagram Type 944, 944 turbo Model 85/2 page 5

HEATING, A/C, VENTILATION, ELECTR.
SEATS, WIPER AND WASHER SYSTEM

Wiring Diagram Type 944, 944 turbo Model 85/2 page 5

HEATING, A/C, VENTILATION, ELECTR. SEATS, WIPER AND WASHER SYSTEM

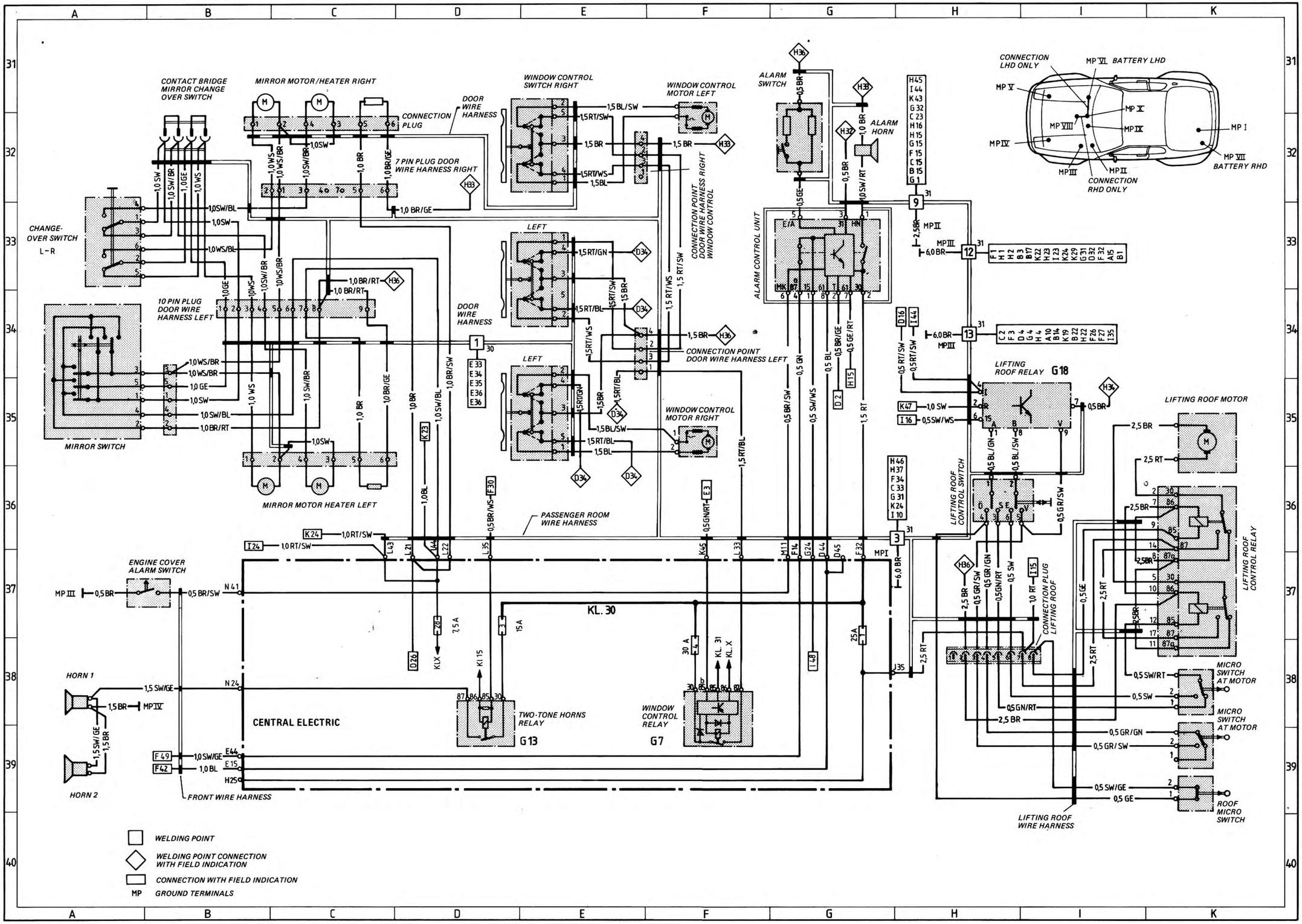


Wiring Diagram Type 944, 944 turbo Model 85/2 page 6

HORNS, MIRRORS, WINDOW LIFTERS,
ALARM SYSTEM, TILTING ROOF

Wiring Diagram Type 944, 944 turbo Model 85/2 page 6

HORNS, MIRRORS, WINDOW LIFTERS, ALARM SYSTEM, TILTING ROOF

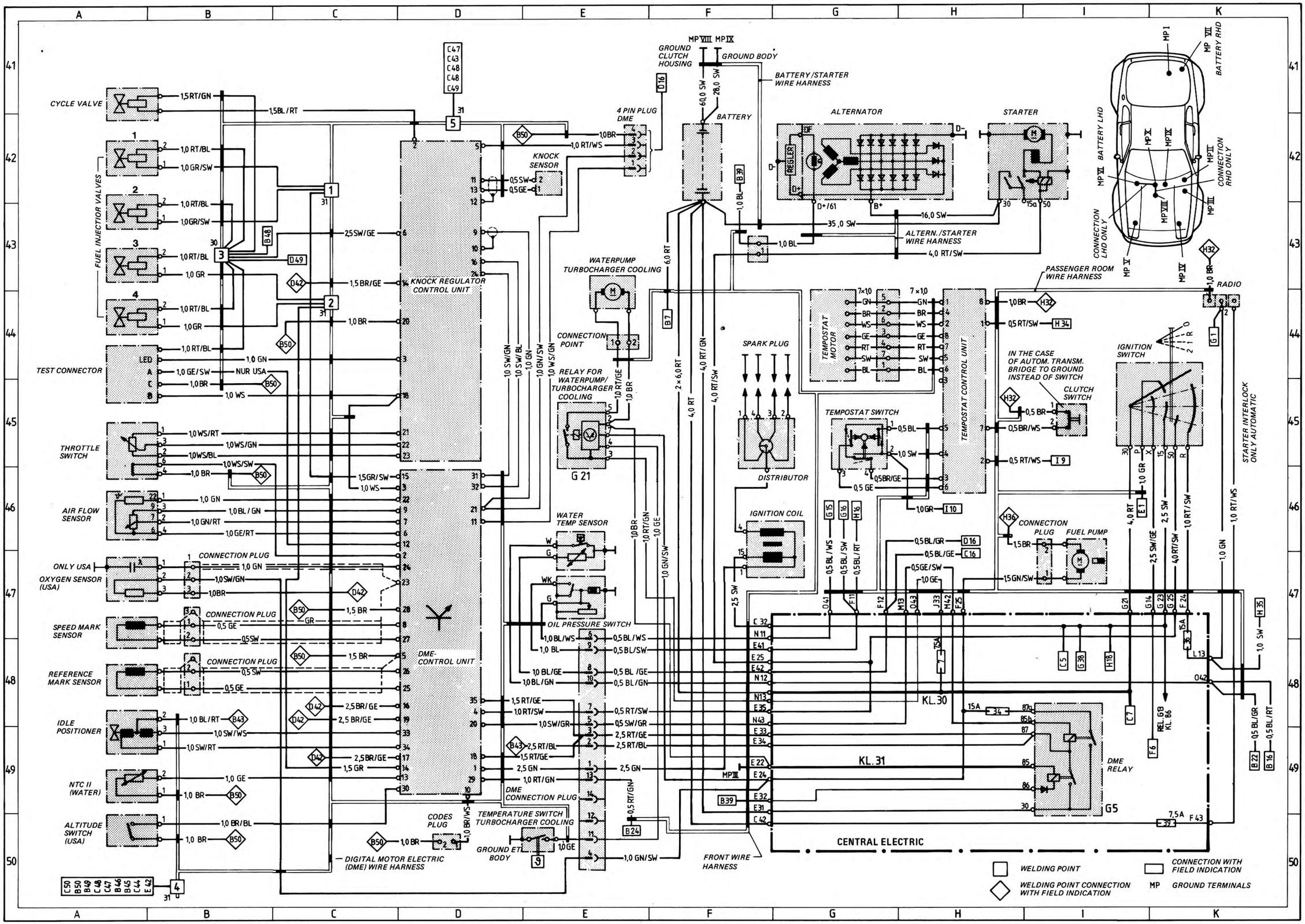


Wiring Diagram Type 944, 944 turbo Model 85/2 page 7

ENGINE COMPARTMENT

Wiring Diagram Type 944, 944 turbo Model 85/2 page 7

ENGINE COMPARTMENT

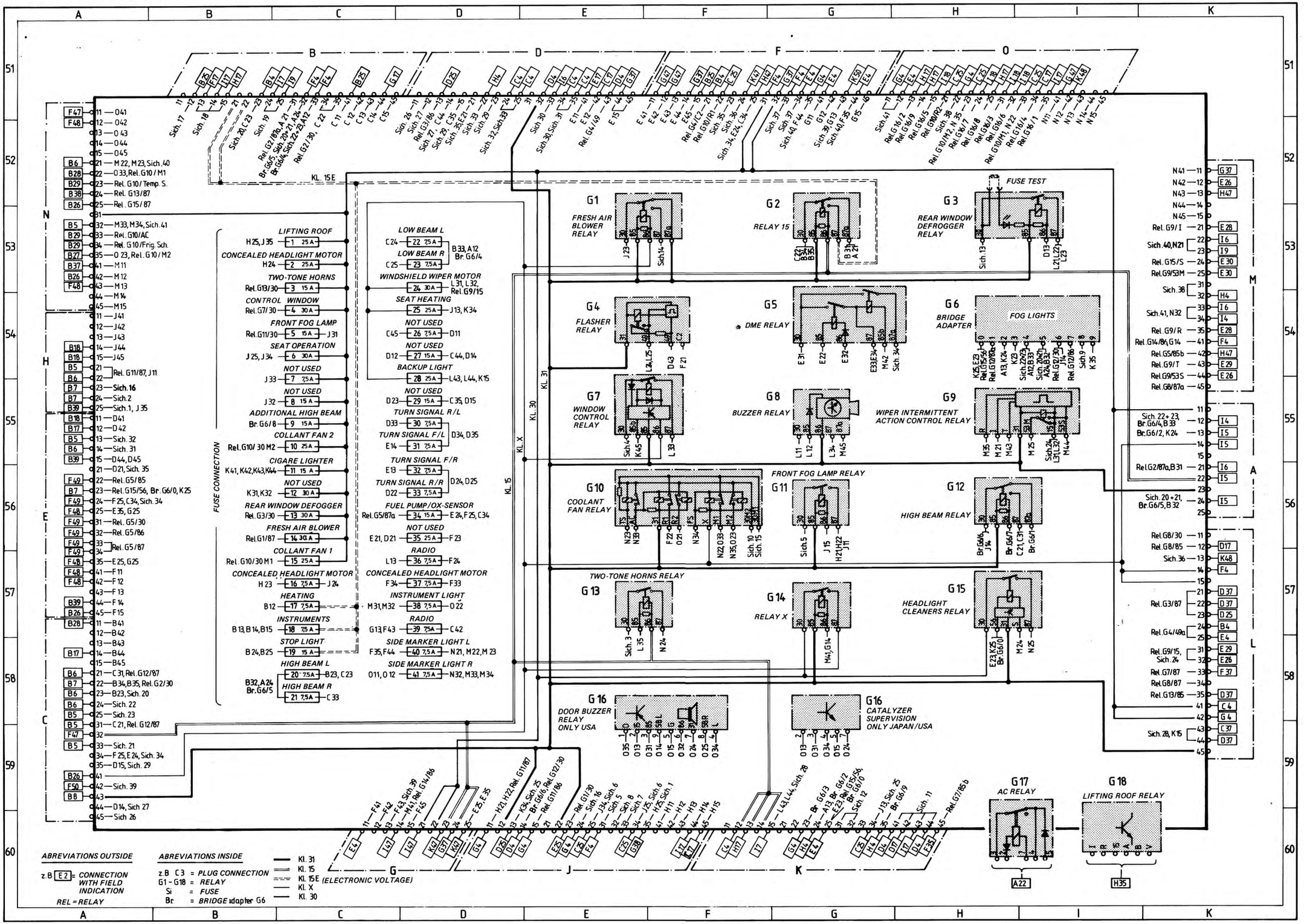


Wiring Diagram Type 944, 944 turbo Model 85/2 page 8

CENTRAL-ELECTRICS BOX

Wiring Diagram Type 944, 944 turbo Model 85/2 page 8

CENTRAL-ELECTRICS BOX



Wiring Diagram Type 944, 944 turbo Model 86

Wiring Diagram Type 944, 944 turbo Model 86

The wiring diagram consists of twelf 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".

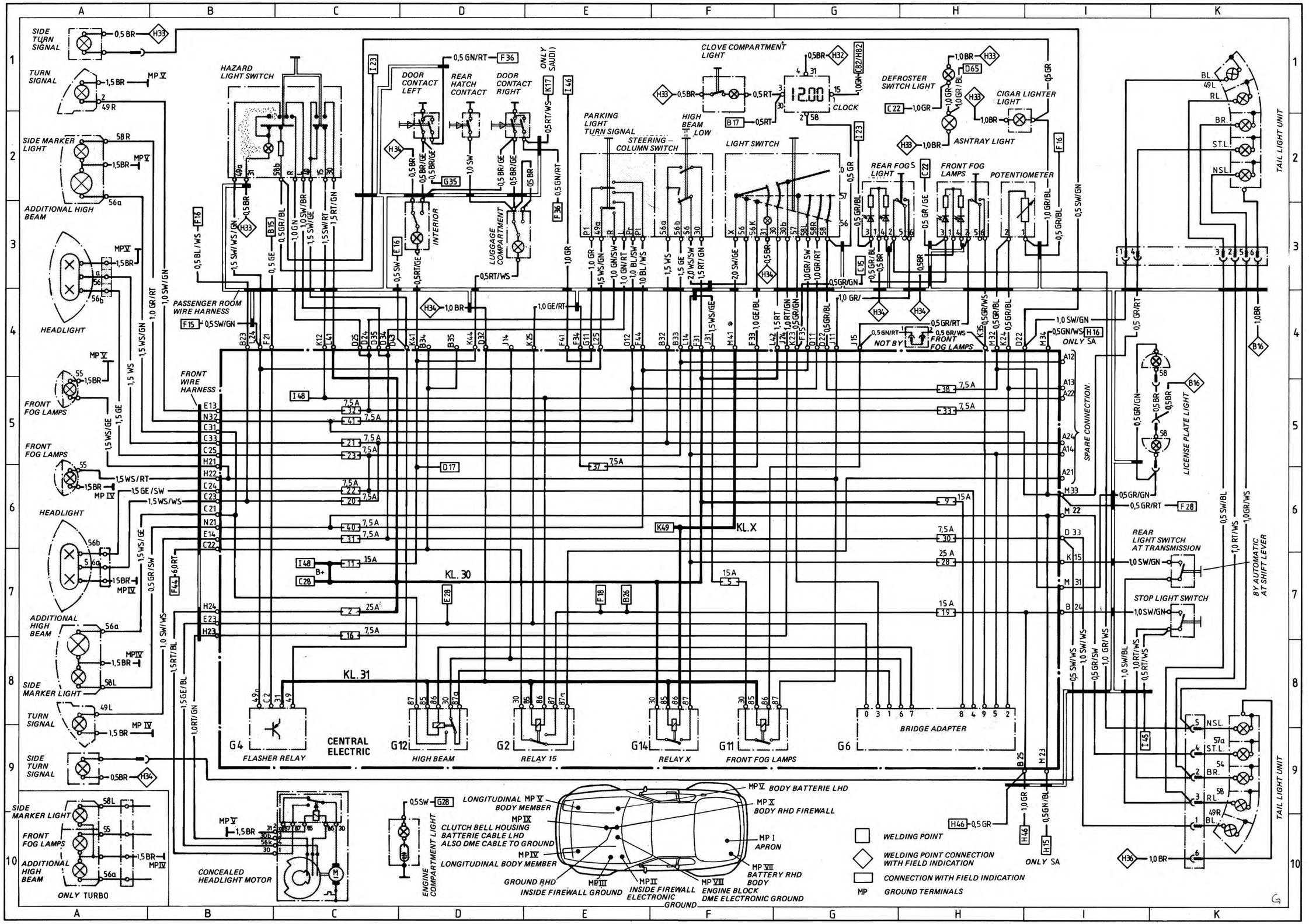
The designations of the plug connections in the wiring diagram of the central-electrics box refer to the "starting element" from, for example, B 11 . . . . . 15, and to the first module element from B 21 . . . . . 25.

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 1

LIGHTING ROW/SA

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 1

LIGHTING ROW / SA

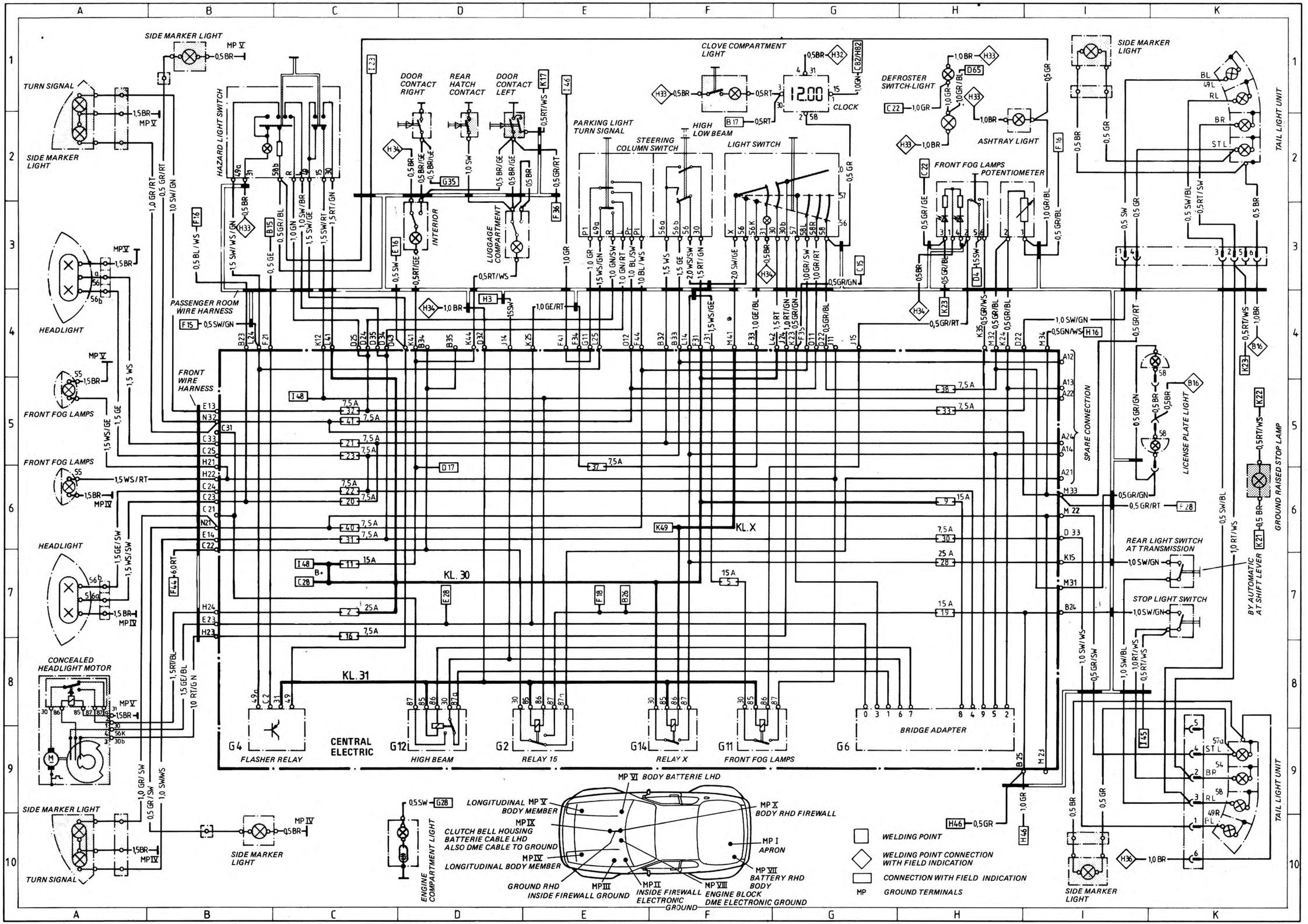


Wiring Diagram Type 944, 944 turbo Model 86 Sheet 2

LIGHTING USA

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 2

LIGHTING USA



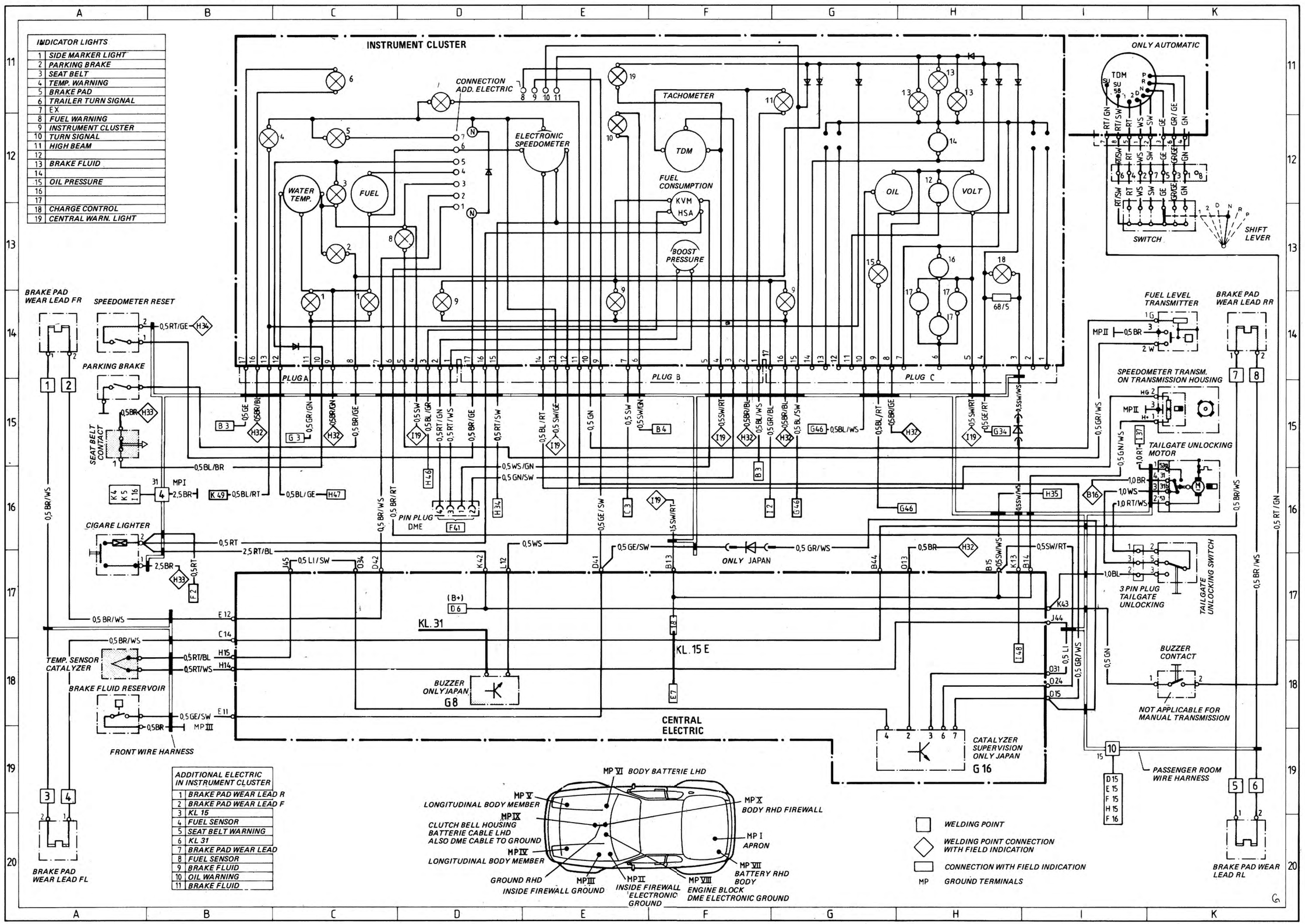
Wiring Diagram Type 944, 944 turbo Model 86 Sheet 3

INSTRUMENT CLUSTER AND SENSORS

ROW

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 3

INSTRUMENT CLUSTER AND SENSORS ROW



Wiring Diagram Type 944, 944 turbo Model 86 Sheet 4

INSTRUMENT CLUSTER AND SENSORS
USA/SA

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 4

INSTRUMENT CLUSTER AND SENSORS USA/SA

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

INSTRUMENT CLUSTER

CONNECTION ADD. ELECTRIC

ELECTRONIC SPEEDOMETER

TACHOMETER

TDM

FUEL CONSUMPTION

KVM HSA

BOOST PRESSURE

WATER TEMP.

FUEL

OIL

VOLT

PLUG A

PLUG B

PLUG C

ONLY AUTOMATIC

TDM

SWITCH CHALTER

SHIFT LEVER

BRAKE PAD WEAR LEAD FR

SPEEDOMETER RESET

PARKING BRAKE

FUEL LEVEL TRANSM.

BRAKE PAD WEAR LEAD RR

SPEEDOMETER TRANSMITTER ON TRANSMISS. HOUSING

TAILGATE UNLOCK. MOTOR

CIGARE LIGHTER

PIN PLUG DME

3 PIN PLUG TAILG. UNLOCK.

TAILG. UNLOCK. SWITCH

ONLY SA BUZZER G8

KL. 31

KL. 15 E

BUZZER CONTACT

SEAT BELT CONTACT

BRAKE FLUID RESERVOIR

FRONT WIRE HARNESS

CENTRAL ELECTRIC

DOOR BUZZER RELAY G16

PASSENGER ROOM WIRE HARNESS

BRAKE PAD WEAR LEAD FL

BRAKE PAD WEAR LEAD RL

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR LEAD R
2	BRAKE PAD WEAR LEAD F
3	KL 15
4	FUEL SENSOR
5	SEAT BELT WARNING
6	KL 31
7	BRAKE PAD WEAR LEAD
8	FUEL SENSOR
9	BRAKE FLUID
10	OIL WARNING
11	BRAKE FLUID

MP VI BODY BATTERIE LHD

MP V LONGITUDINAL BODY MEMBER

MP IX CLUTCH BELL HOUSING BATTERIE CABLE LHD ALSO DME CABLE TO GROUND

MP IV LONGITUDINAL BODY MEMBER

MP X BODY RHD FIREWALL

MP I APRON

MP VII BATTERY RHD BODY

GROUND RHD

MP III INSIDE FIREWALL GROUND

MP II INSIDE FIREWALL ELECTRONIC GROUND

MP VIII ENGINE BLOCK DME ELECTRONIC GROUND

WELDING POINT

WELDING POINT CONNECTION WITH FIELD INDICATION

CONNECTION WITH FIELD INDICATION

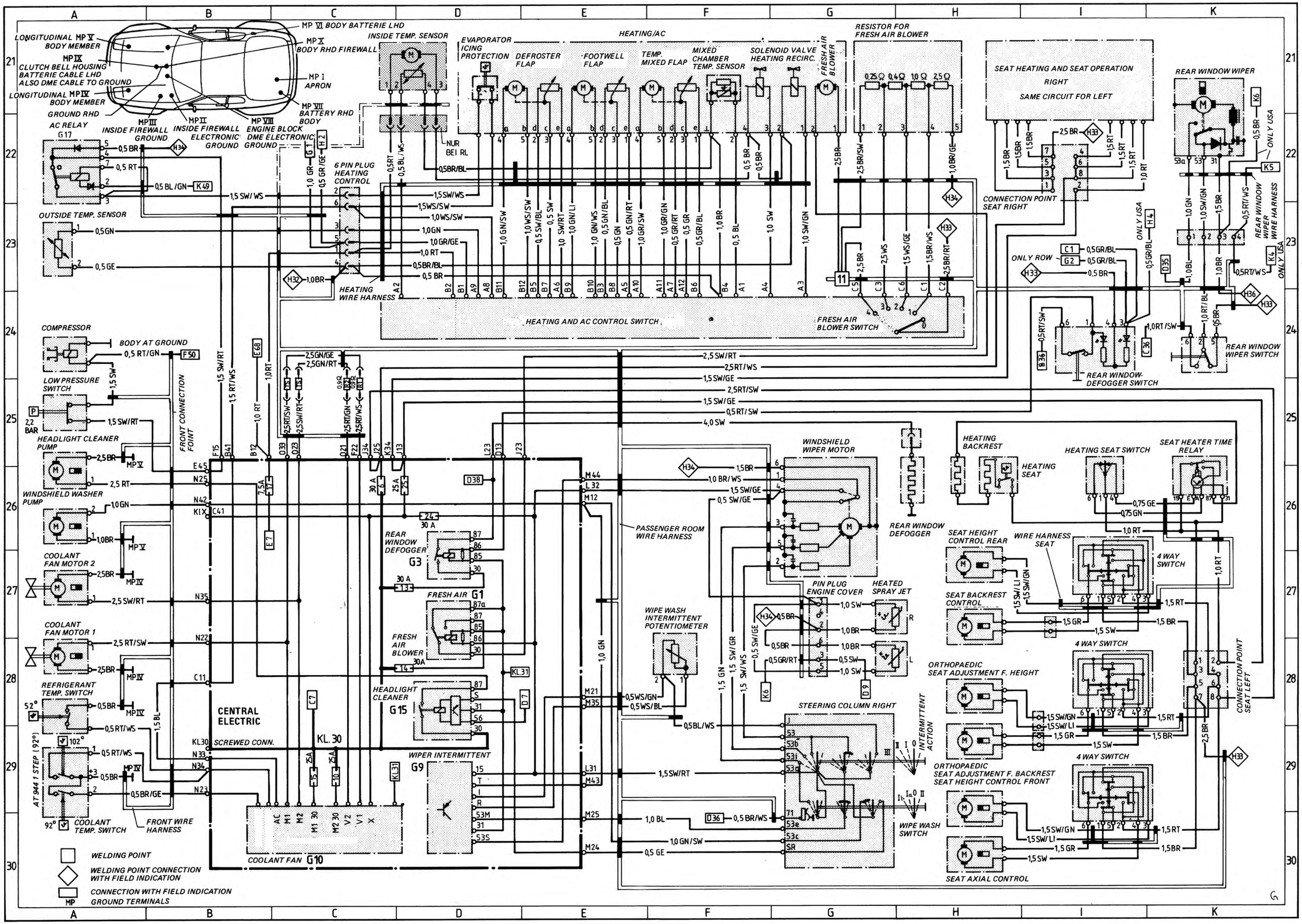
MP GROUND TERMINALS

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 5

HEATING, A C, VENTILATION, ELECTR.
SEATS, WIPER AND WASHER SYSTEM

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 5

HEATING, AC, VENTILATION, ELECTR. SEATS, WIPER AND WASHER SYSTEM

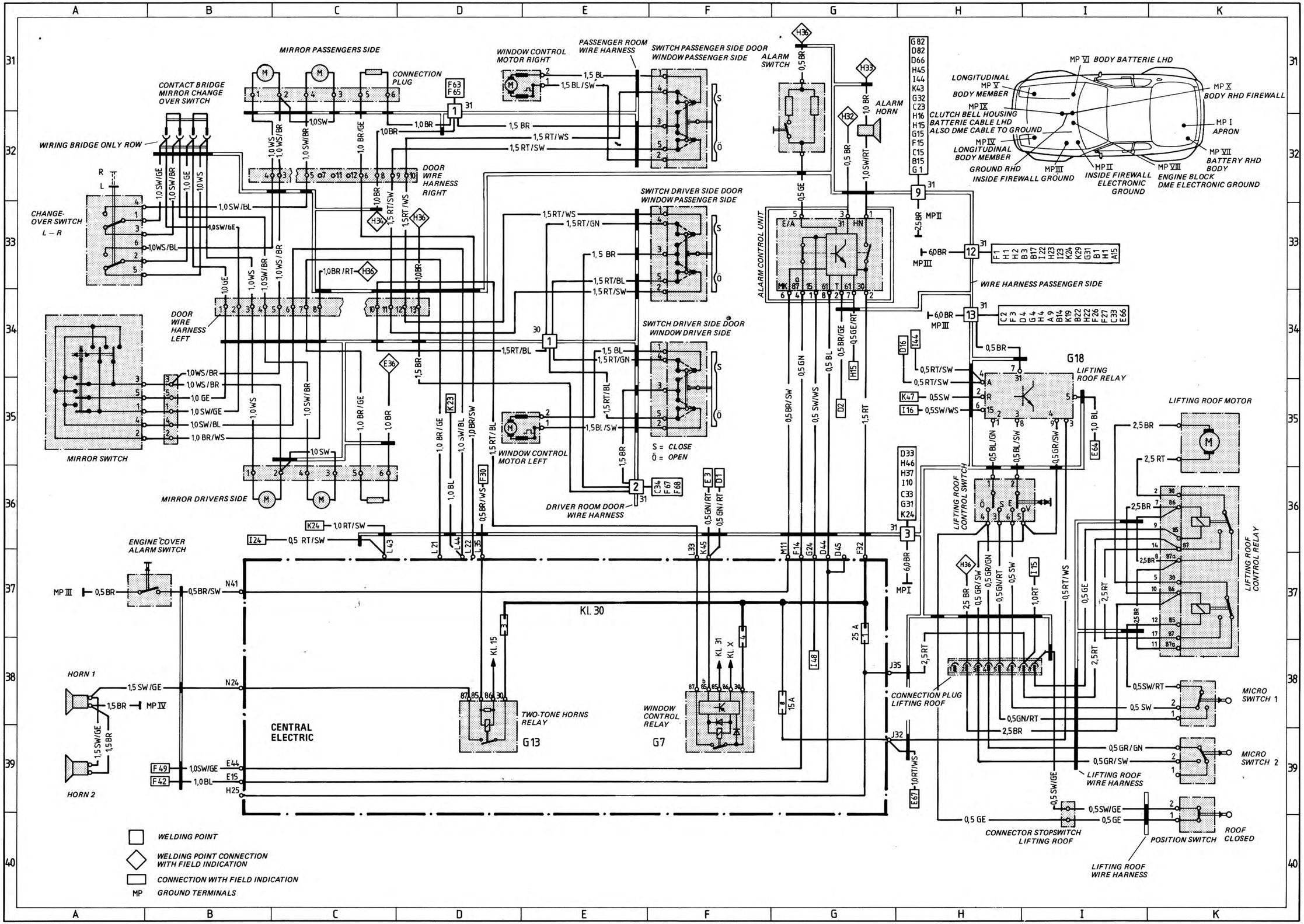


Wiring Diagram Type 944, 944 turbo Model 86 Sheet 6

HORNS, MIRRORS, WINDOW LIFTERS,
ALARM SYSTEM, TILTING ROOF

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 6

HORNS, MIRRORS, WINDOW LIFTERS, ALARM SYSTEM, TILTING ROOF

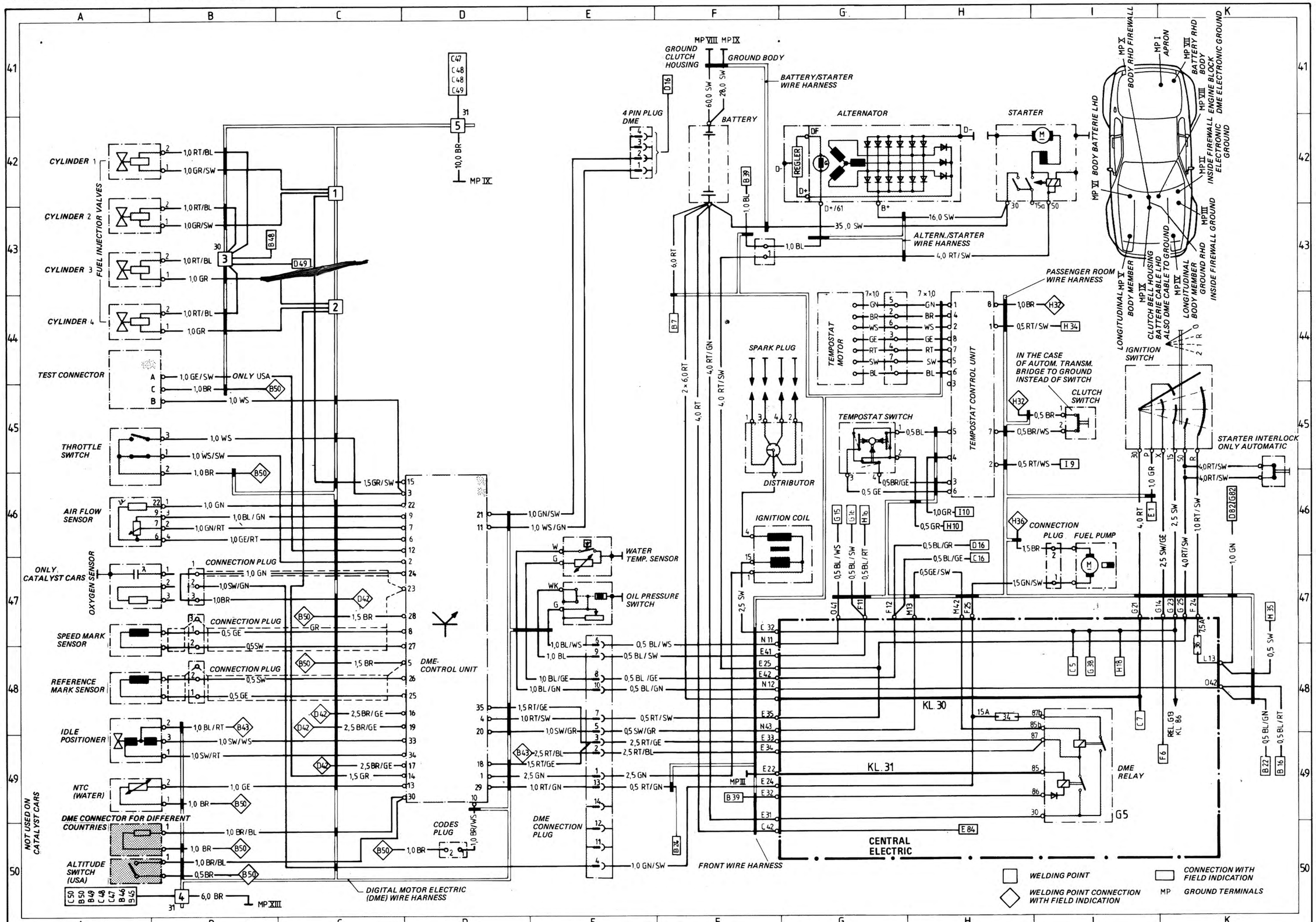


Wiring Diagram Type 944, 944 turbo Model 86 Sheet 7

ENGINE COMPARTMENT, TEMPOSTAT – 944

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 7

ENGINE COMPARTMENT, TEMPOSTAT – 944

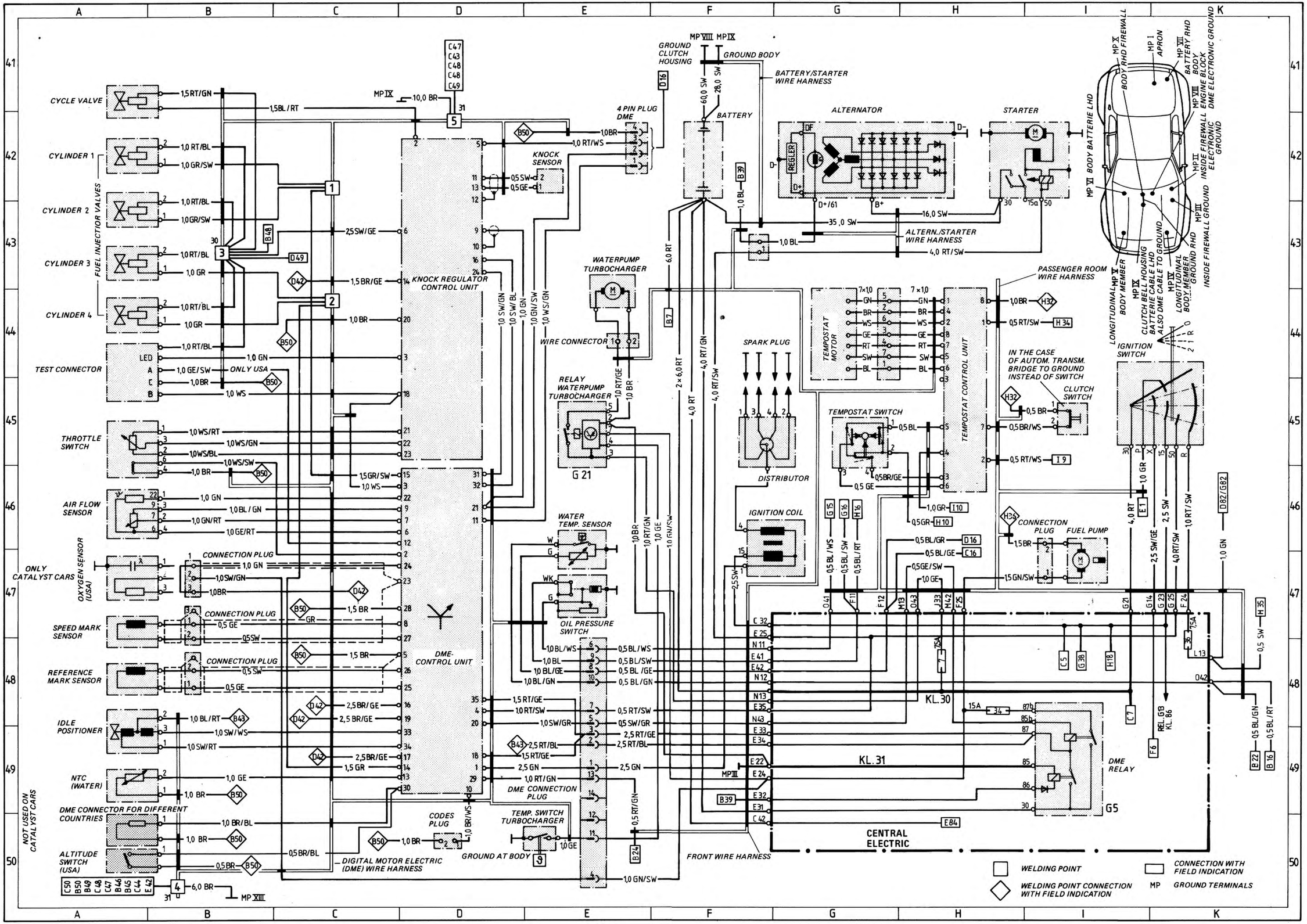


Wiring Diagram Type 944, 944 turbo Model 86 Sheet 8

ENGINE COMPARTMENT, TEMPOSTAT – 944 TURBO

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 8

ENGINE COMPARTMENT, TEMPOSTAT – 944 TURBO

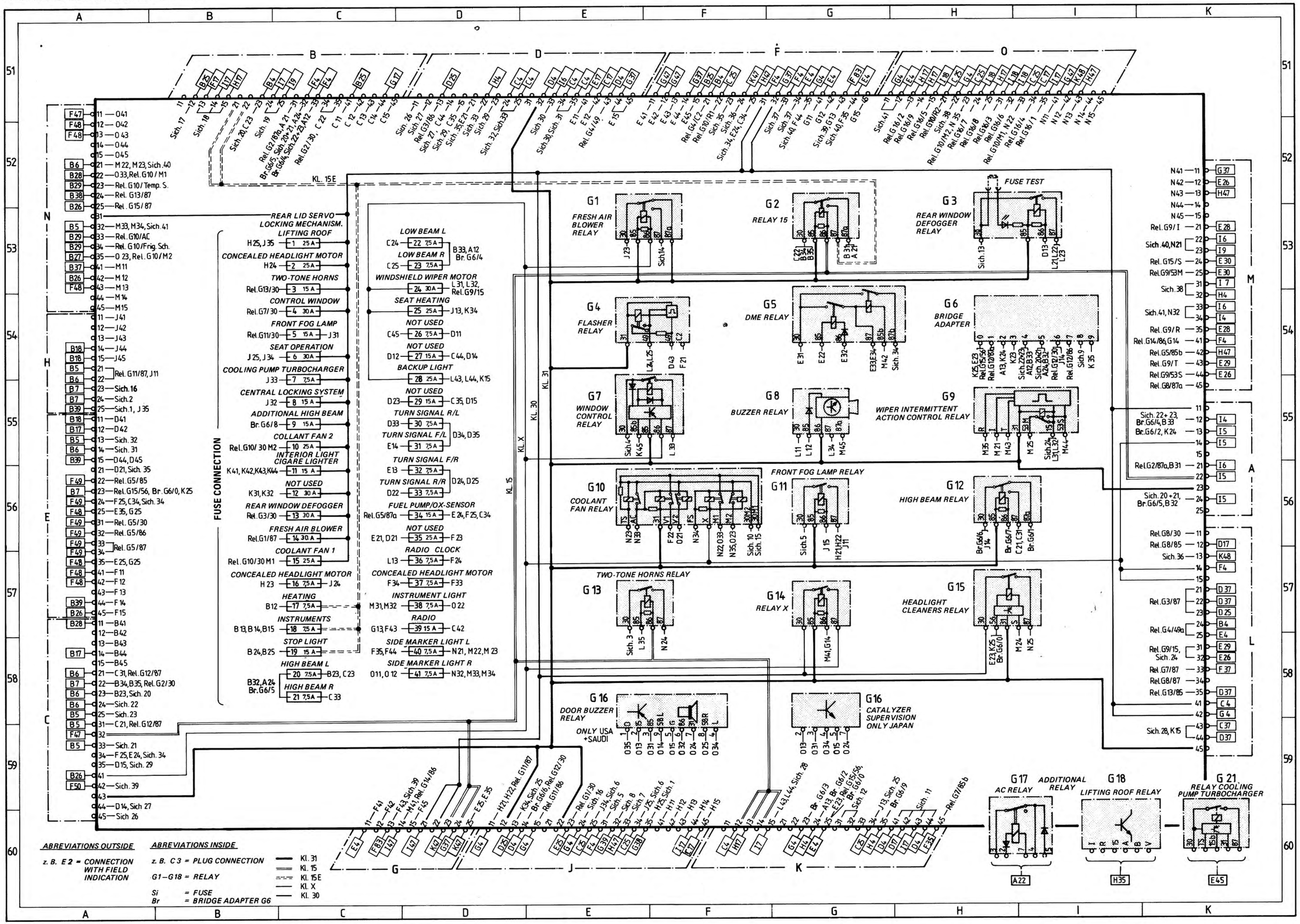


Wiring Diagram Type 944, 944 turbo Model 86 Sheet 9

CENTRAL ELECTRICAL SYSTEM

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 9

CENTRAL ELECTRICAL SYSTEM

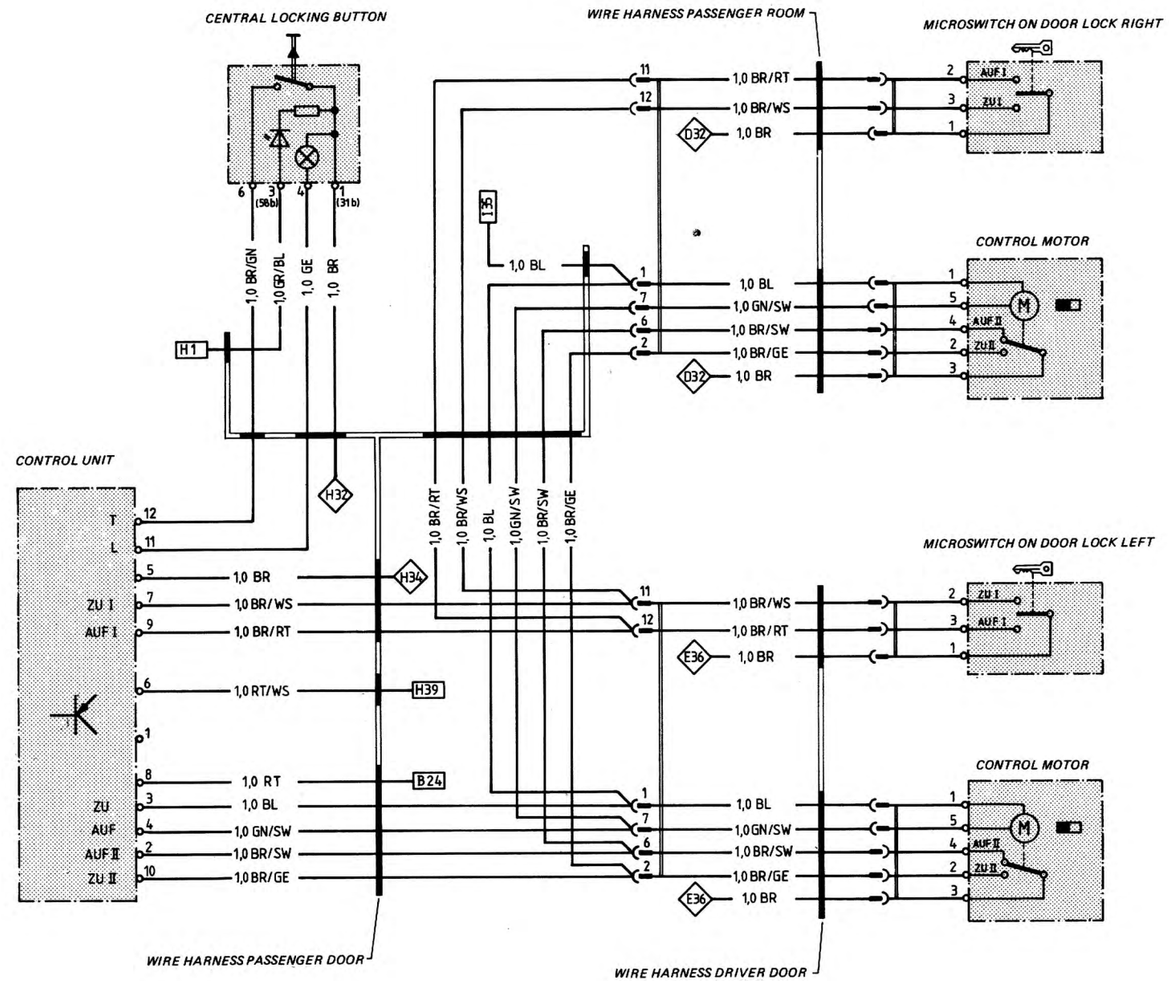


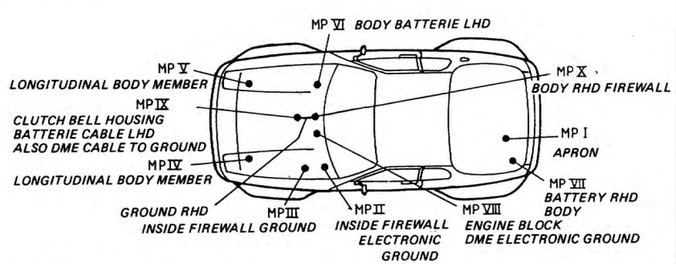
Wiring Diagram Type 944, 944 turbo Model 86 Sheet 10

CENTRAL LOCKING SYSTEM

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 10

CENTRAL LOCKING SYSTEM





WELDING POINT

WELDING POINT CONNECTION WITH FIELD INDICATION

CONNECTION WITH FIELD INDICATION

MP GROUND TERMINALS

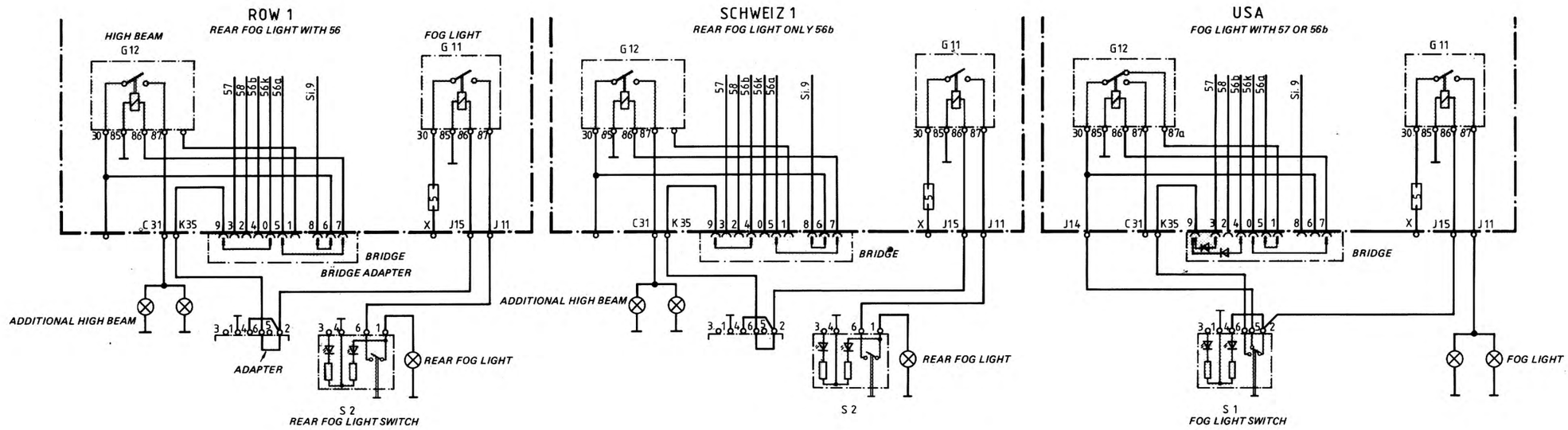
Wiring Diagram Type 944, 944 turbo Model 86 Sheet 11

FOG LIGHT, FOG TAIL LIGHT

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 11

FOG LIGHT, FOG TAIL LIGHT

FOG LIGHT AND REAR FOG LIGHT-CIRCUIT



Wiring Diagram Type 944, 944 turbo Model 86 Sheet 12

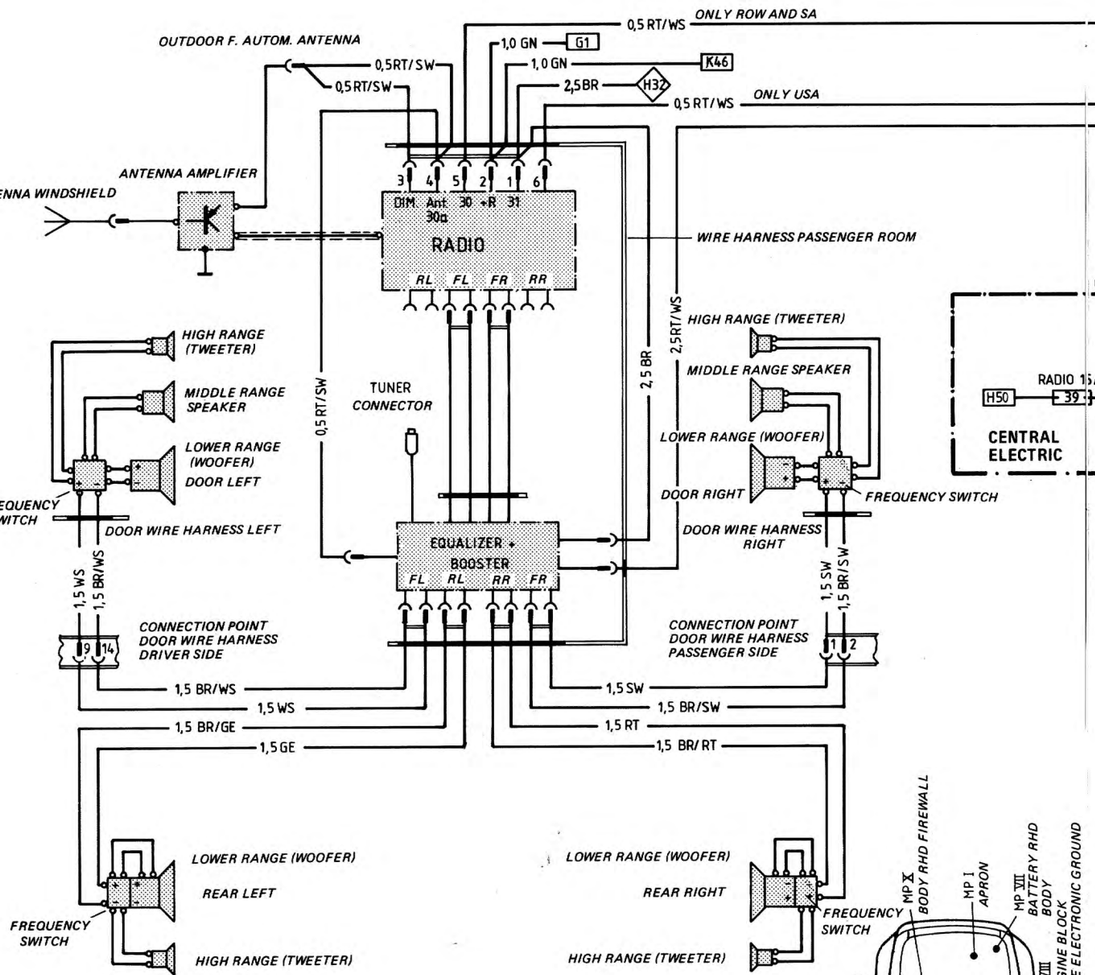
RADIO

Wiring Diagram Type 944, 944 turbo Model 86 Sheet 12

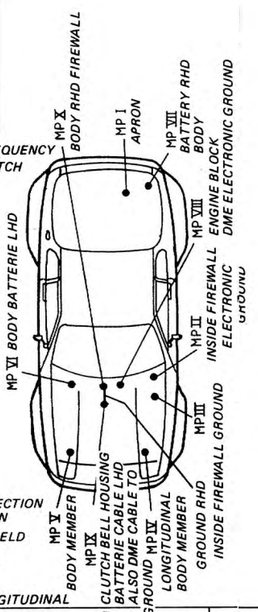
RADIO

RADIO WITH 4 FINAL STAGES AND EQUALIZER AND BOOSTER

WITH HIFI SPEAKERS



NAME	PORSCHE-NO	REMARK	RADIO WITH 4 FINAL STAGES AND EQUALIZER AND BOOSTER	RADIO WITH 2 FINAL STAGES
Monterey SQR 23	911.645.107.01	USA		X
Lexington SQR 45	911.645.160.00	USA	X	
Bremen SQR 45	911.645.159.00	ARI	X	
Toronto SQR 45	911.645.139.00	*ROW* (ohne ARI)	X	
Boston SQM 23	911.645.158.00	*ROW* (ohne ARI)		X
Hamburg SQM 241A	911.645.157.00	TRAVEL-ARI		X
Köln IQR 45	911.645.106.02	ARI	X	



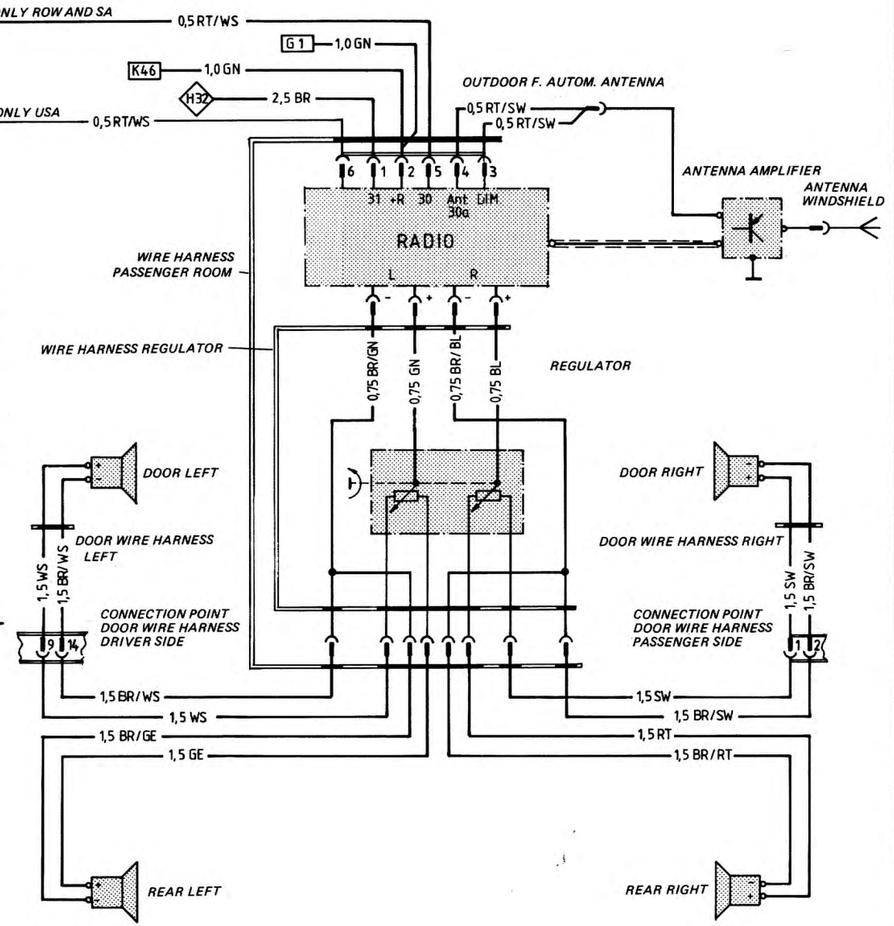
WELDING POINT

WELDING POINT CONNECTION WITH FIELD INDICATION

CONNECTION WITH FIELD INDICATION

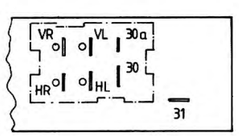
MP GROUND TERMINALS

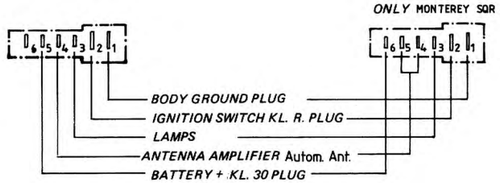
RADIO WITH 2 FINAL STAGES



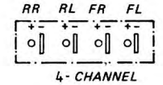
CONNECTORS OF RADIO

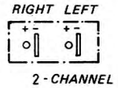
EQUALIZER CONNECTORS





SPEAKER CONNECTORS





Wiring Diagram Type 944, 944 turbo 944 S Model 87

Wiring Diagram Type 944, 944 turbo 944 S Model 87

The wiring diagram consists of **14** 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".

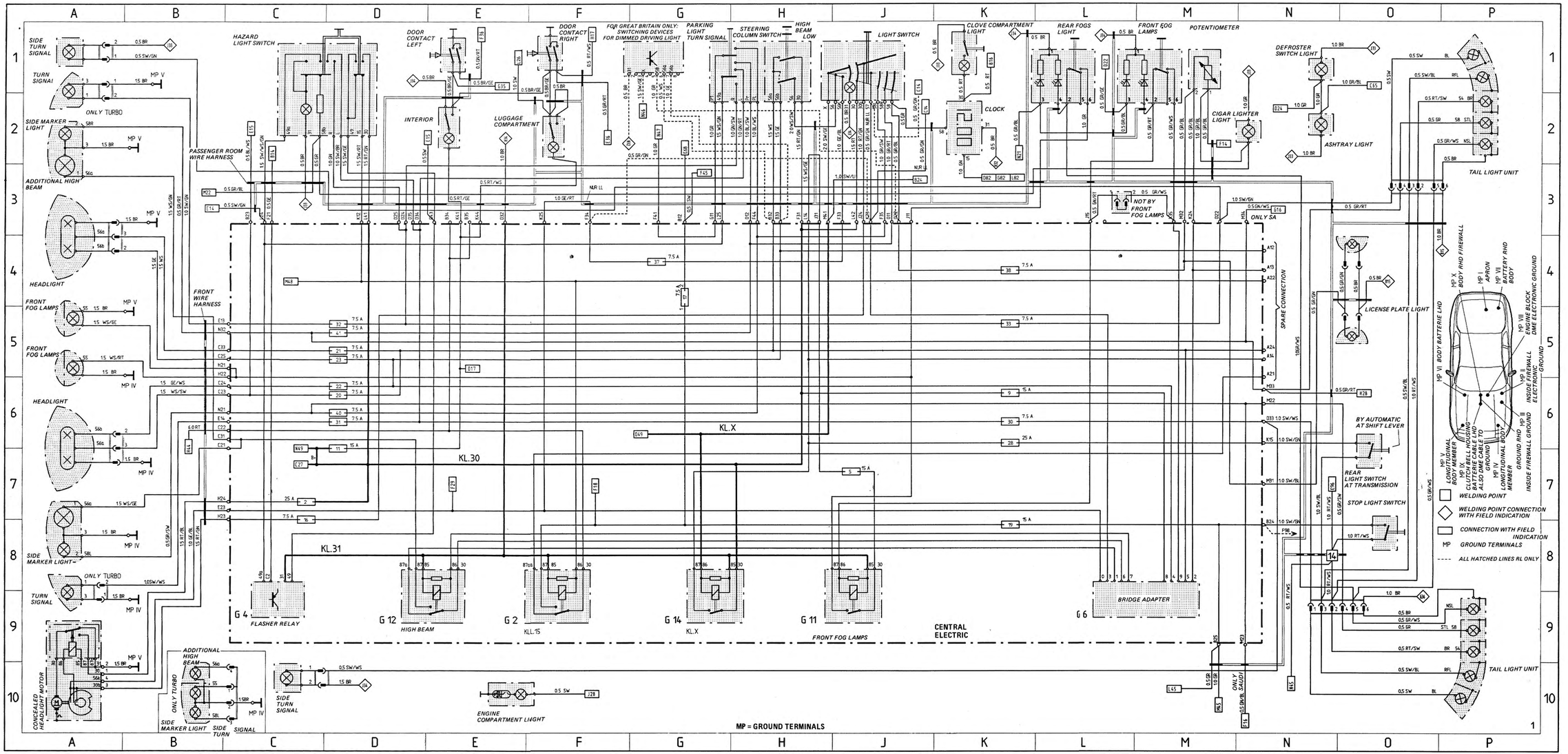
The designations of the plug connections in the wiring diagram of the central-electrics box refer to the "starting element" from, for example, B 11 . . . . . 15, and to the first module element from B 21 . . . . . 25.

Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 1

LIGHTING ROW/SA

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 1

LIGHTING ROW / SA

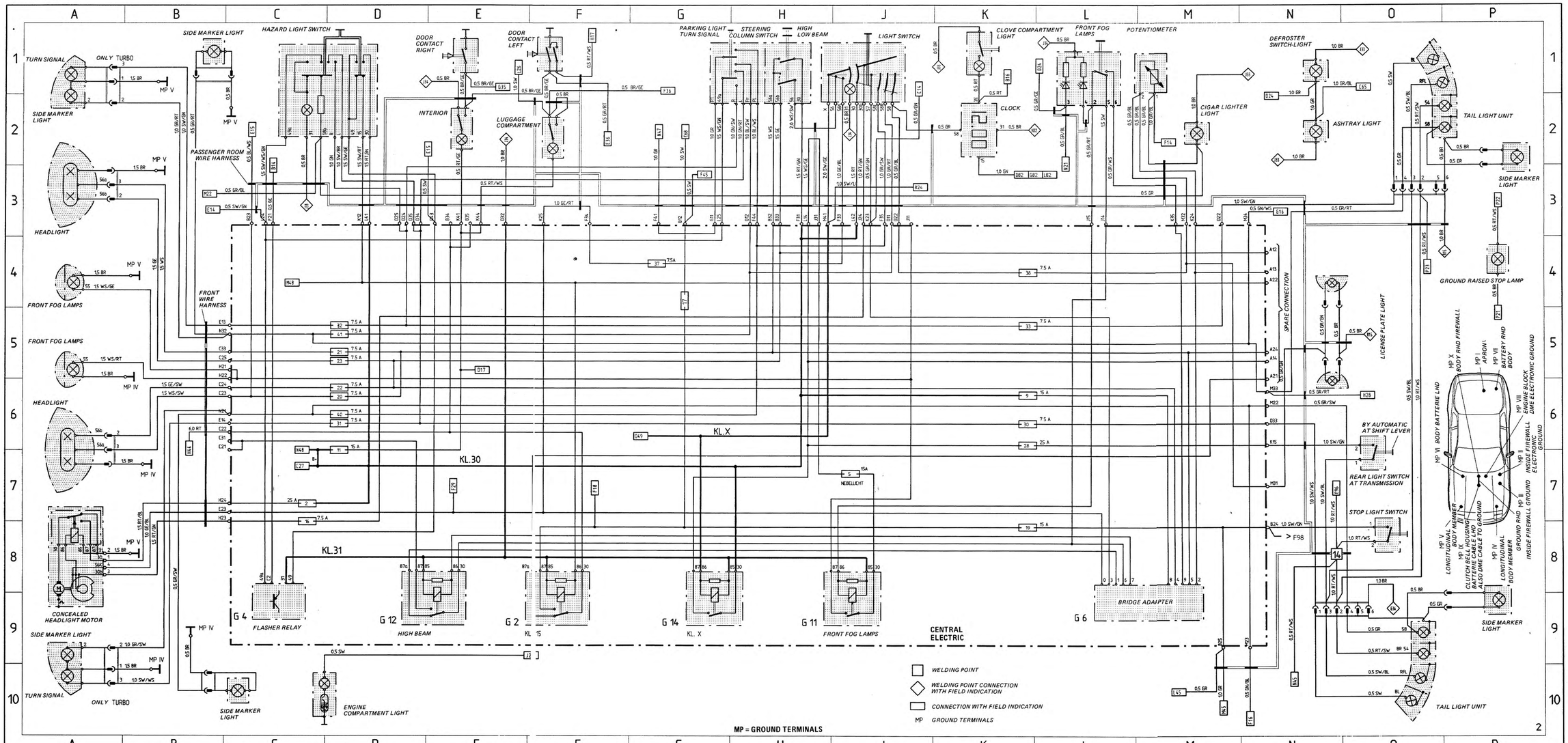


Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 2

LIGHTING USA

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 2

LIGHTING USA



Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 3

INSTRUMENT CLUSTER AND SENSORS

ROW

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 3

INSTRUMENT CLUSTER AND SENSORS ROW

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

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR LEAD R
2	BRAKE PAD WEAR LEAD F
3	KL 15
4	FUEL SENSOR
5	OIL WARNING
6	KL 31
7	BRAKE PAD WEAR LEAD
8	FUEL SENSOR
9	BRAKE FLUID
10	OIL WARNING
11	BRAKE FLUID
12	OIL WARNING

INSTRUMENT CLUSTER
CONNECTION ADD. ELECTRIC
ELECTRONIC SPEEDOMETER
TACHOMETER
TDM
WATER TEMP.
FUEL
OIL
VOLT
BOOST PRESSURE
PLUG A
PLUG B
PLUG C
ONLY AUTOMATIC
SWITCH
SHIFT LEVER
BRAKE PAD WEAR LEAD RR
FUEL LEVEL TRANSMITTER
SPEEDOMETER TRANSM. ON TRANSMISSION HOUSING
WHEEL CARRIER GROUND ER
COMBINATION CONDUCTOR
MOULDED SEAT GROUND
TAILGATE UNLOCKING MOTOR
TAILGATE UNLOCKING SWITCH
3 PIN PLUG TAILGATE UNLOCKING
BUZZER CONTACT
NOT APPLICABLE FOR MANUAL TRANSMISSION
COMBINATION CONDUCTOR
MOULDED SEAT GROUND
WHEEL CARRIER GROUND
BRAKE PAD WEAR LEAD RL
PARKING BRAKE
BRAKE PAD WEAR LEAD FR
SEAT BELT CONTACT
WHEEL CARRIER GROUND
COMBINATION CONDUCTOR, 5-PIN
SPEEDOMETER RESET
LONGITUDINAL BODY MEMBER
CIGARE LIGHTER
PIN PLUG DME
ONLY JAPAN
(KL.30)
7,5 A
KL. 15 E
TEMP. SENSOR CATALYZER
BRAKE FLUID RESERVOIR
FRONT WIRE HARNESS
CATALYZER SUPERVISION ONLY JAPAN
G 16
CENTRAL ELECTRIC
PASSENGER ROOM WIRE HARNESS
BRAKE PAD WEAR LEAD FL
MP V LONGITUDINAL BODY MEMBER
MP VI BODY BATTERIE LHD
MP IX CLUTCH BELL HOUSING BATTERIE CABLE LHD ALSO DME CABLE TO GROUND
MP X BODY RHD FIREWALL
MP I APRON
MP IV LONGITUDINAL BODY MEMBER
MP VII BATTERY RHD BODY
GROUND RHD
MP III INSIDE FIREWALL GROUND
MP II INSIDE FIREWALL ELECTRONIC GROUND
MP VIII ENGINE BLOCK DME ELECTRONIC GROUND
WELDING POINT
WELDING POINT CONNECTION WITH FIELD INDICATION
CONNECTION WITH FIELD INDICATION
MP GROUND TERMINALS

MP = GROUND TERMINALS

3

Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 4

INSTRUMENT CLUSTER AND SENSORS

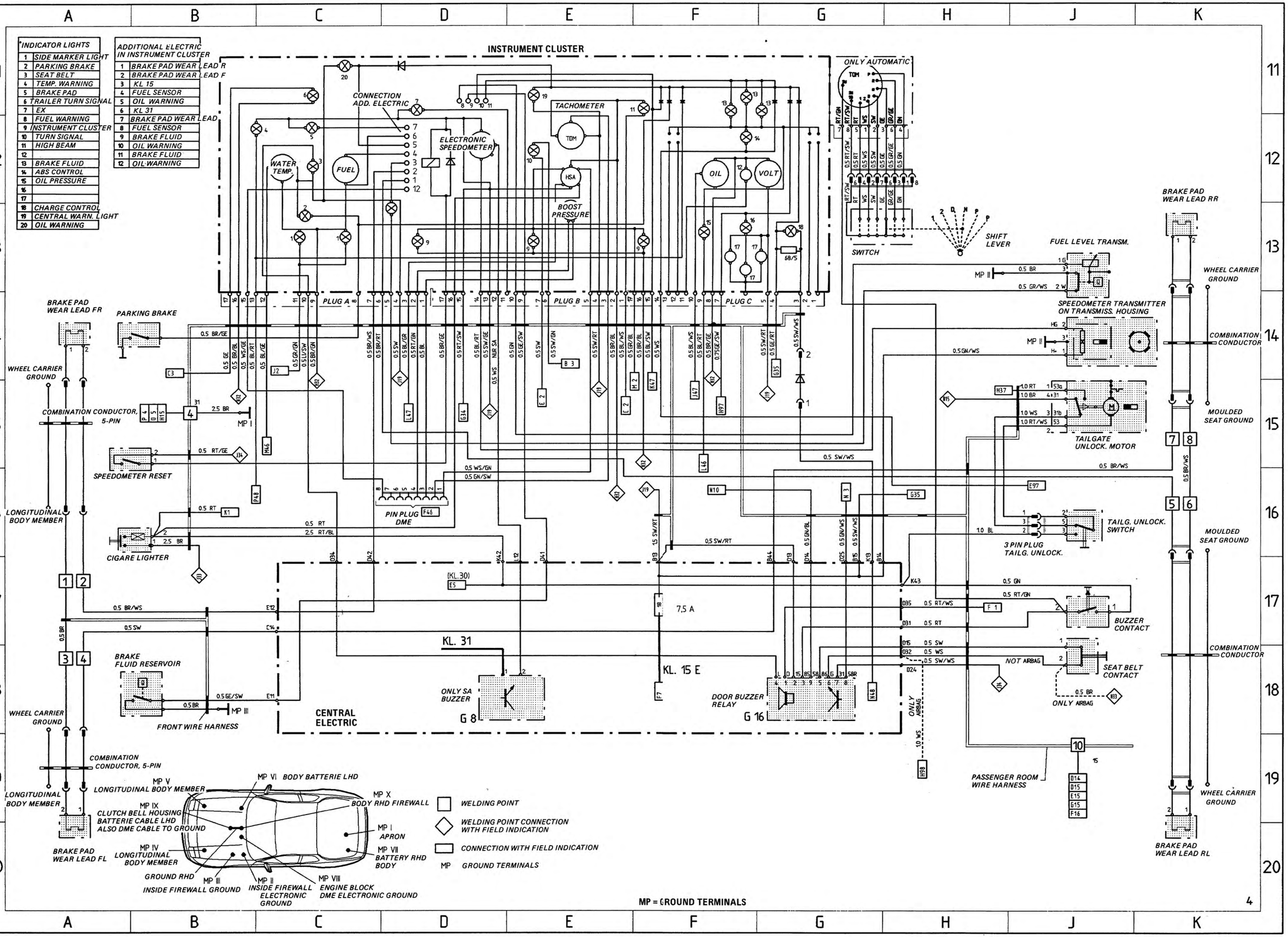
USA/SA

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 4

INSTRUMENT CLUSTER AND SENSORS USA / SA

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

ADDITIONAL ELECTRIC IN INSTRUMENT CLUSTER	
1	BRAKE PAD WEAR LEAD R
2	BRAKE PAD WEAR LEAD F
3	KL 15
4	FUEL SENSOR
5	OIL WARNING
6	KL 31
7	BRAKE PAD WEAR LEAD
8	FUEL SENSOR
9	BRAKE FLUID
10	OIL WARNING
11	BRAKE FLUID
12	OIL WARNING

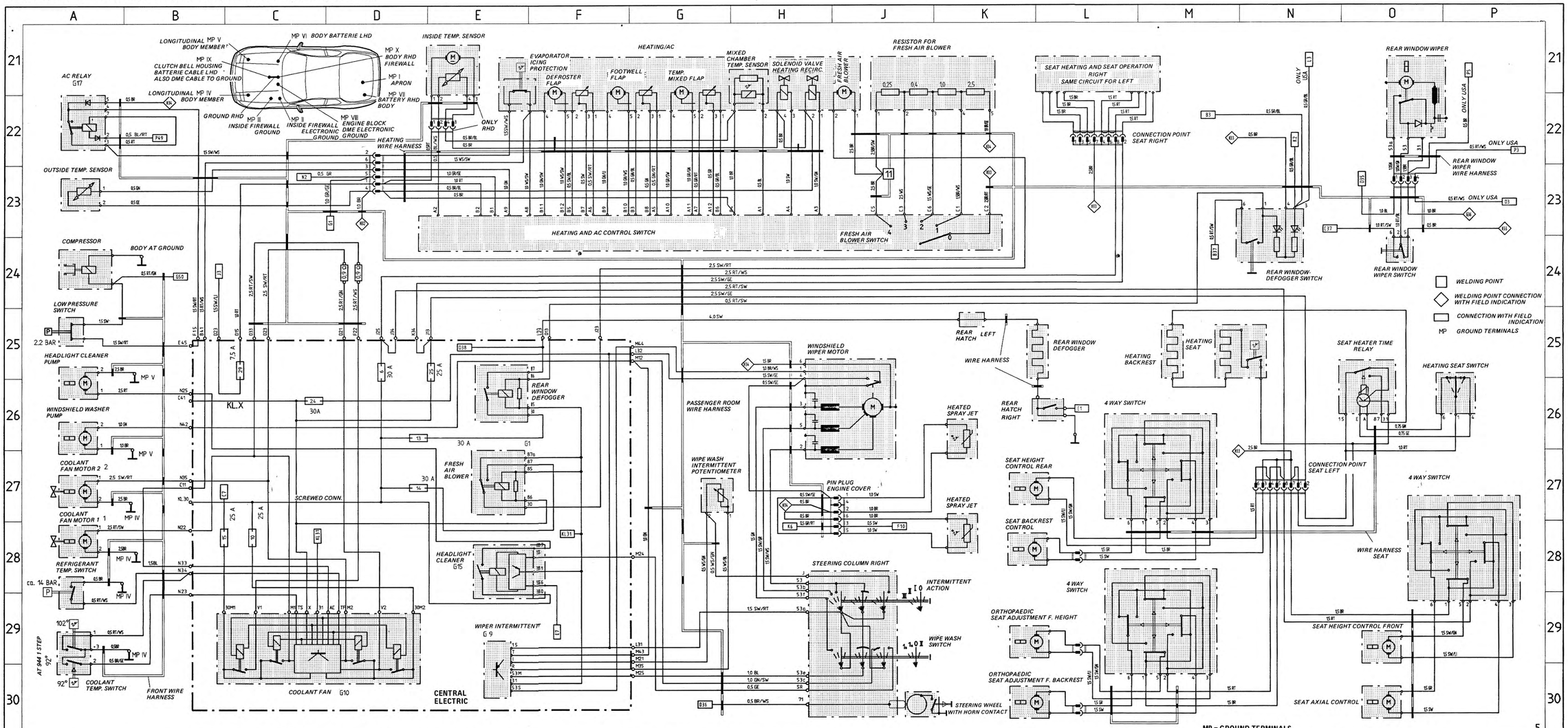


Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 5

HEATING, A/C, VENTILATION, ELECTR.
SEATS, WIPER AND WASHER SYSTEM

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 5

HEATING, AC, VENTILATION, ELECTR. SEATS, WIPER AND WASHER SYSTEM

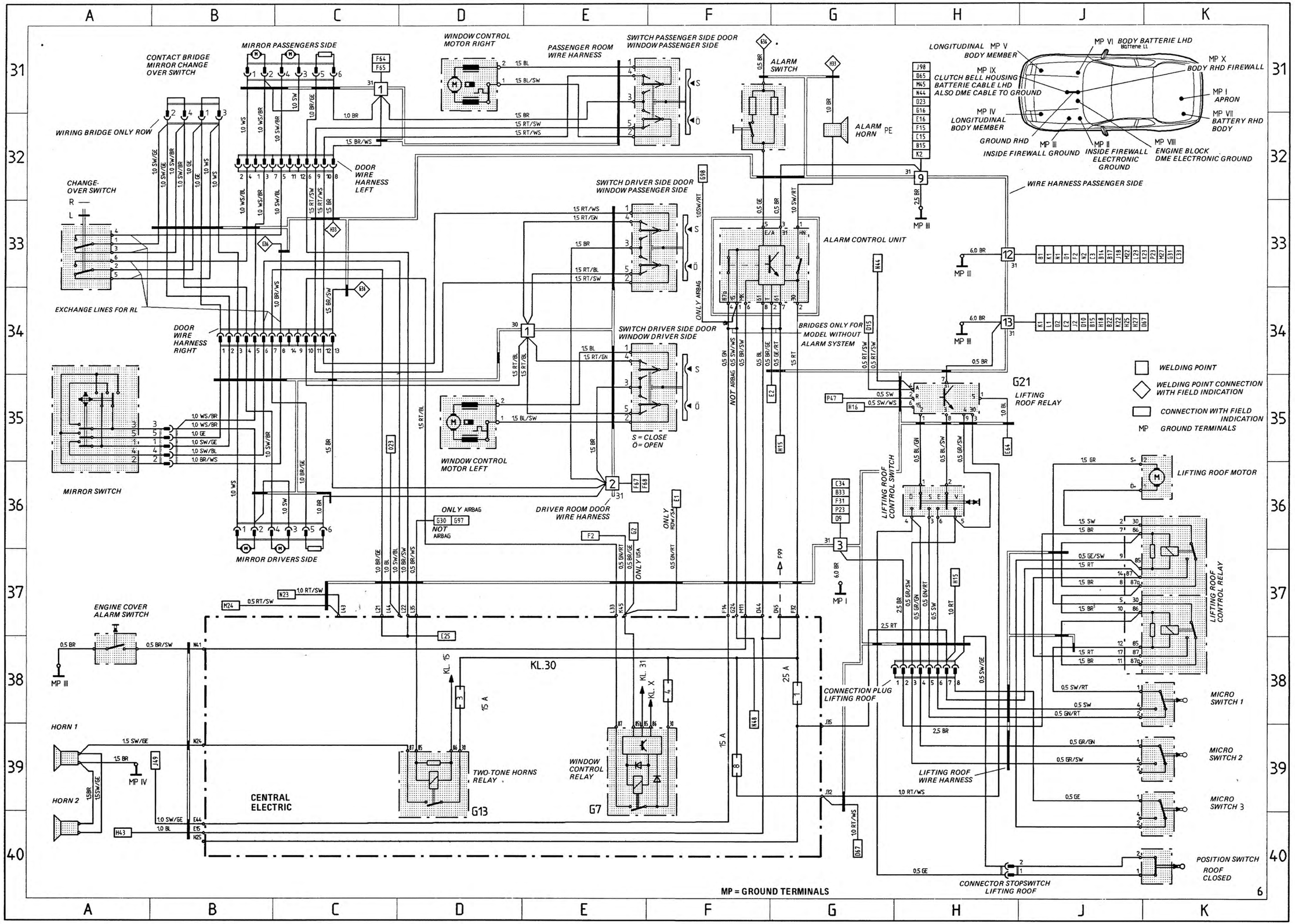


Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 6

HORNS, MIRRORS, WINDOW LIFTERS,
ALARM SYSTEM, TILTING ROOF

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 6

HORNS, MIRRORS, WINDOW LIFTERS, ALARM SYSTEM, TILTING ROOF

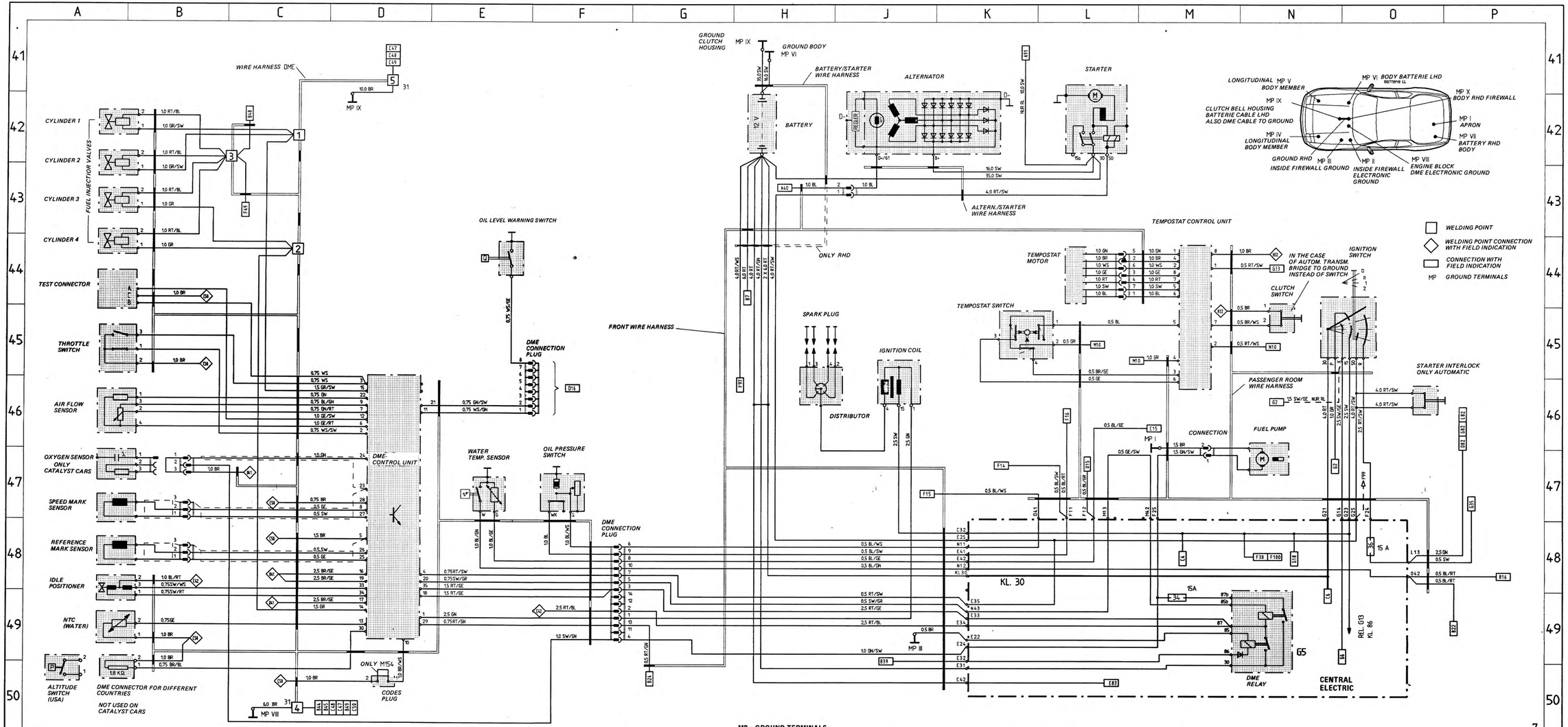


Wiring Diagram Type 944
Model 87 Sheet 7

ENGINE COMPARTMENT, TEMPOSTAT – 944

Wiring Diagram Type 944 Model 87 Sheet 7

ENGINE COMPARTMENT, TEMPOSTAT – 944



MP = GROUND TERMINALS

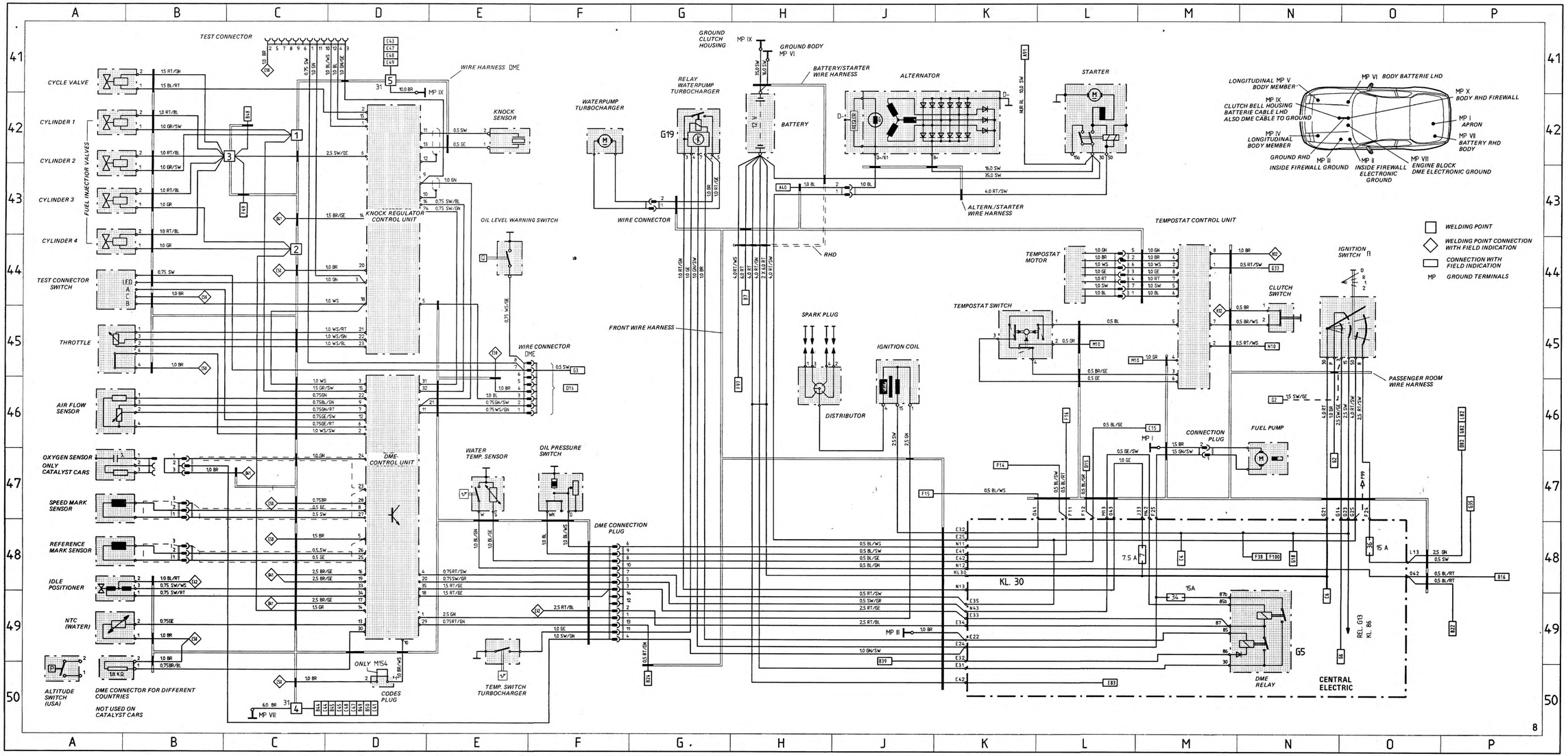
7

Wiring Diagram Type 944 turbo Model 87 Sheet 8

ENGINE COMPARTMENT, TEMPOSTAT – 944 TURBO

Wiring Diagram Type 944 turbo Model 87 Sheet 8

ENGINE COMPARTMENT, TEMPOSTAT – 944 TURBO



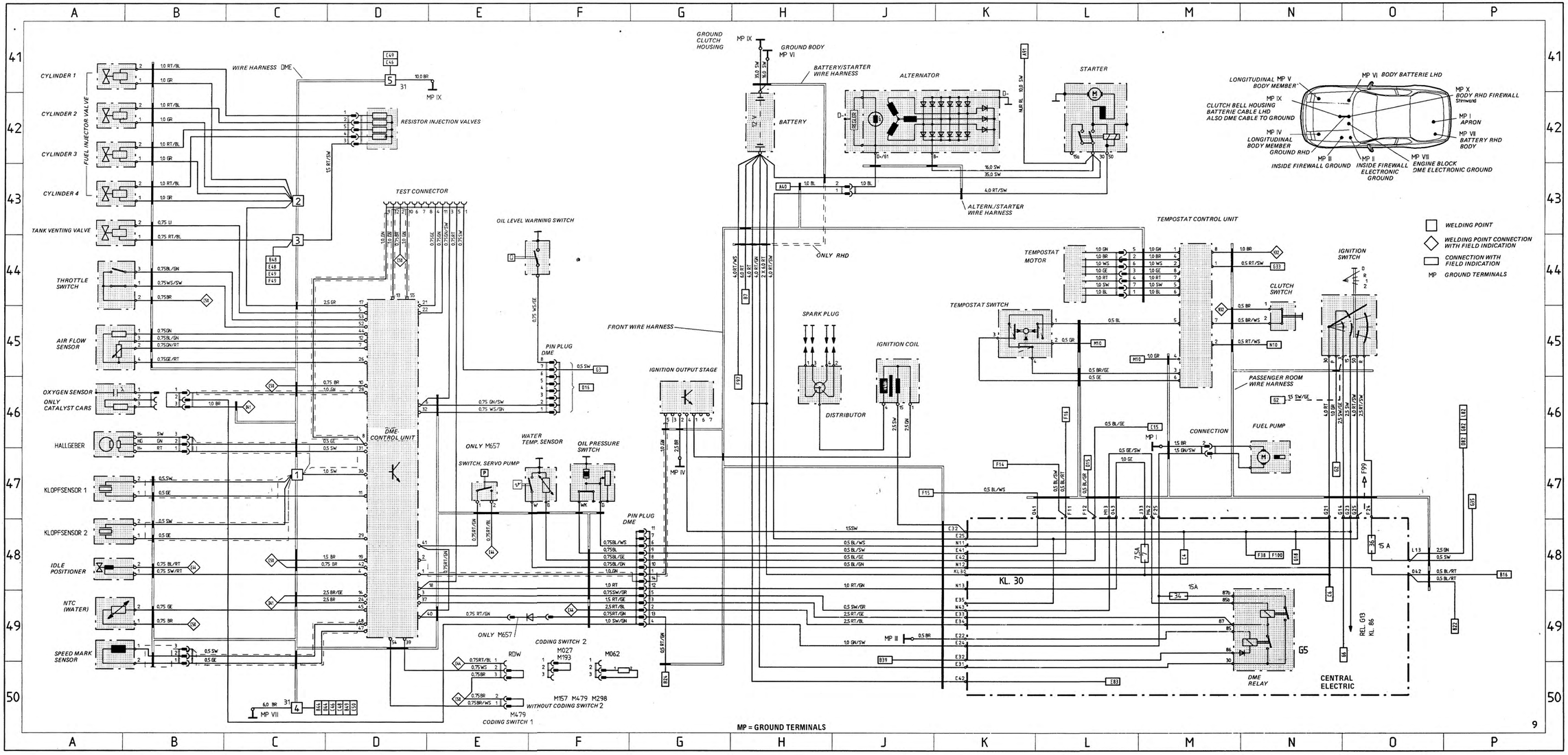
Wiring Diagram Type 944 S Model 87 Sheet 9

ENGINE COMPARTMENT, TEMPOSTAT

4-VALVES

Wiring Diagram Type 944 S Model 87 Sheet 9

ENGINE COMPARTMENT, TEMPOSTAT **4 - VALVES**



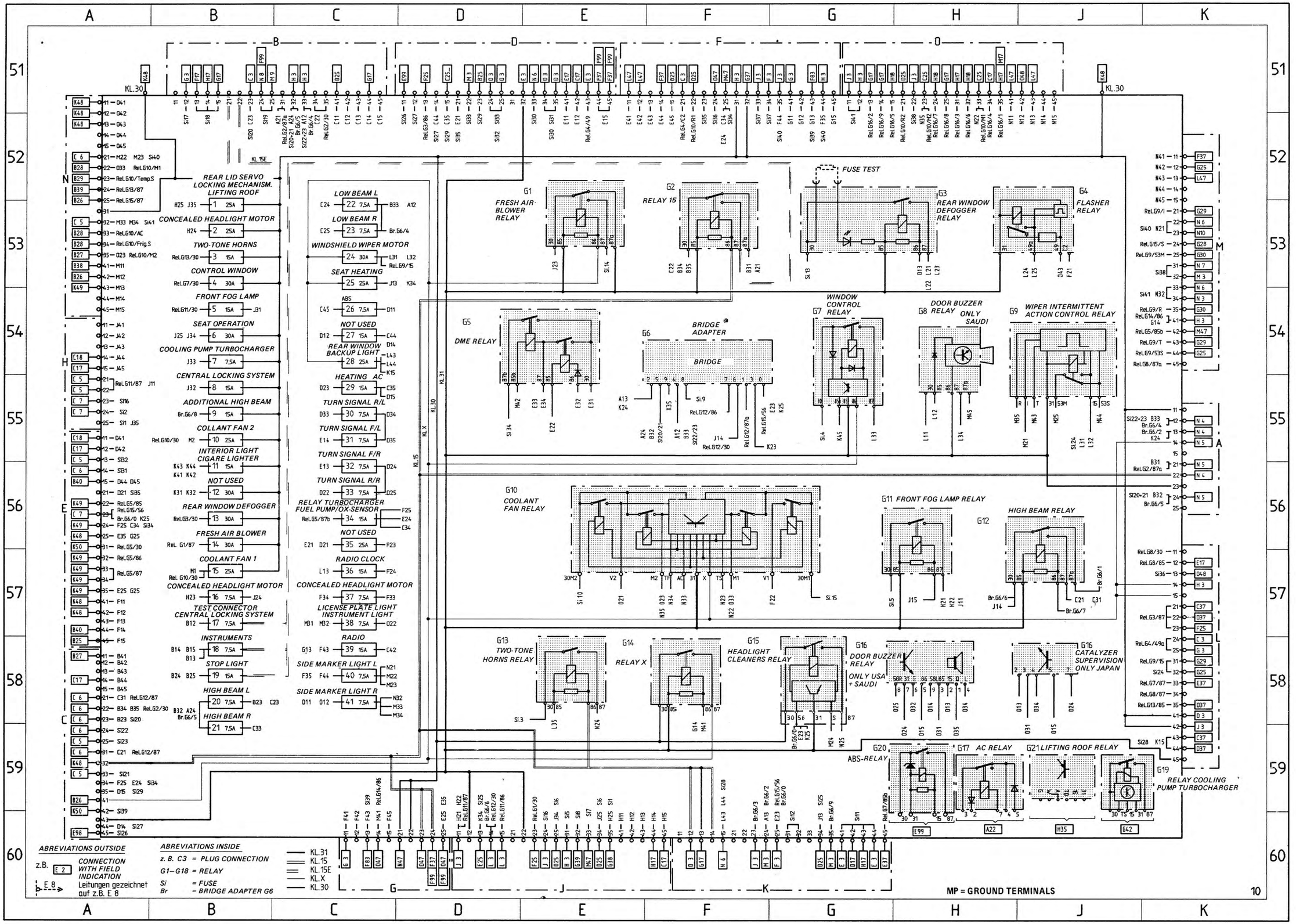
9

Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 10

CENTRAL ELECTRICAL SYSTEM

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 10

CENTRAL ELECTRICAL SYSTEM

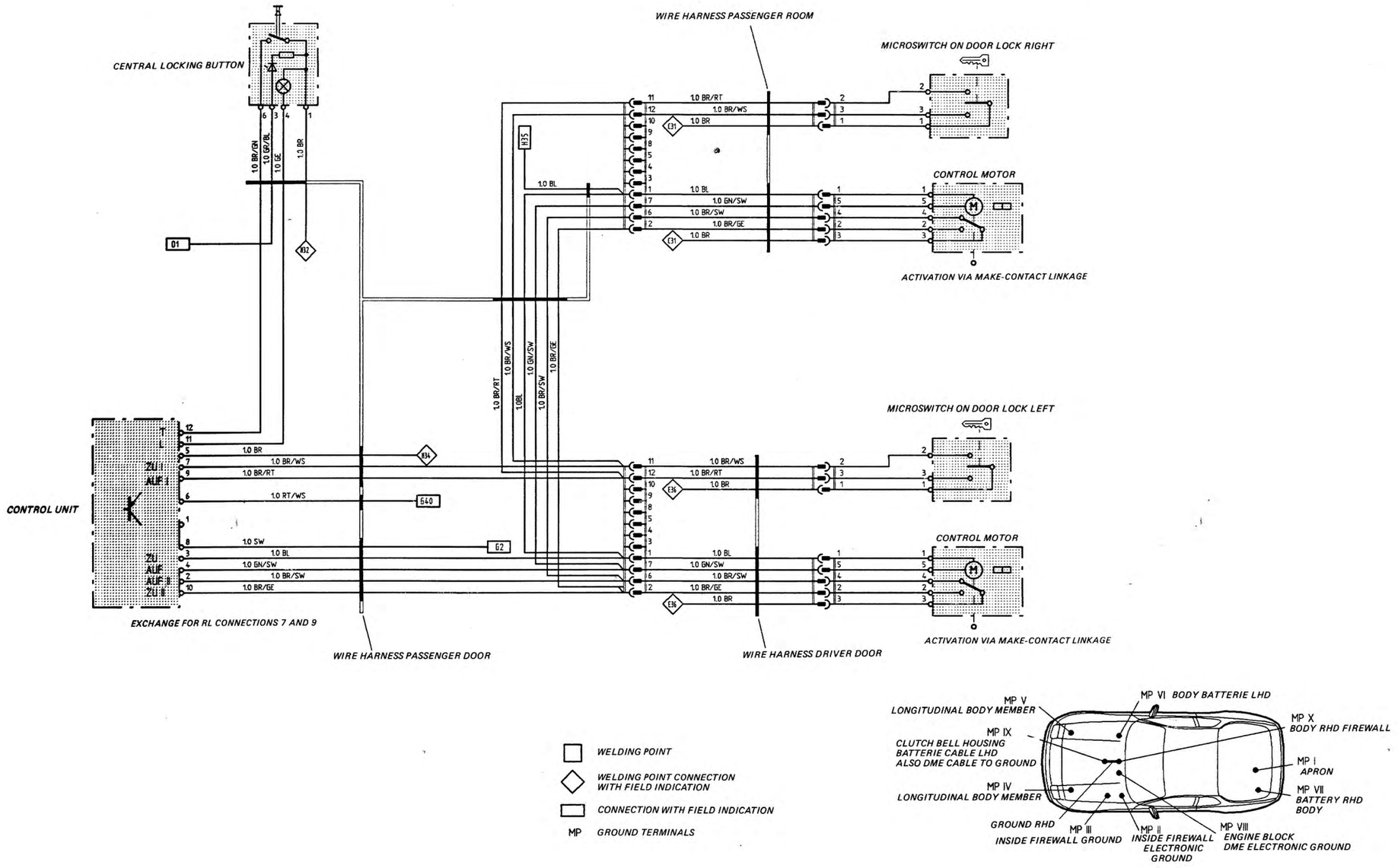


Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 11

CENTRAL LOCKING SYSTEM

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 11

CENTRAL LOCKING SYSTEM



MP = GROUND TERMINALS

11

Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 12

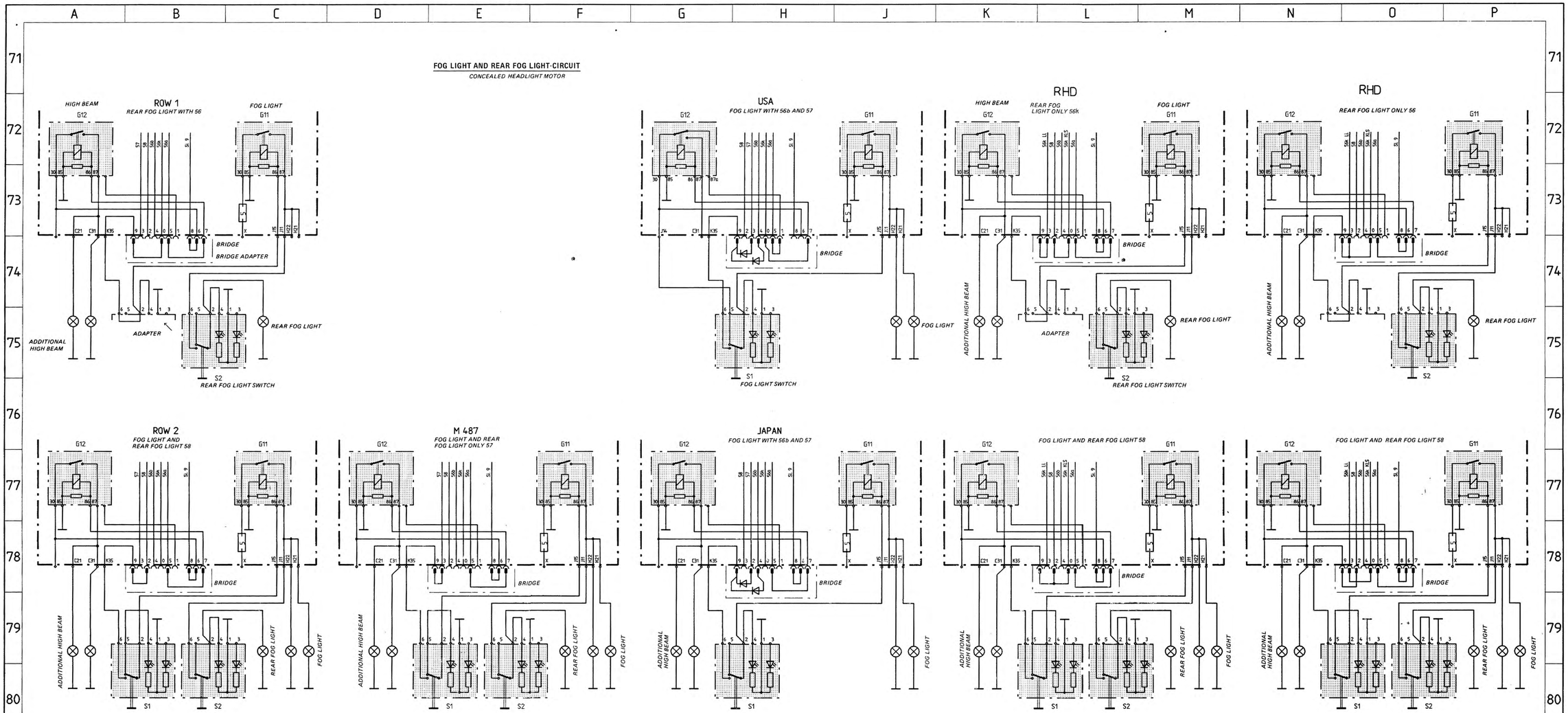
FOG LIGHT, FOG TAIL LIGHT

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 12

FOG LIGHT, FOG TAIL LIGHT

FOG LIGHT AND REAR FOG LIGHT-CIRCUIT

CONCEALED HEADLIGHT MOTOR



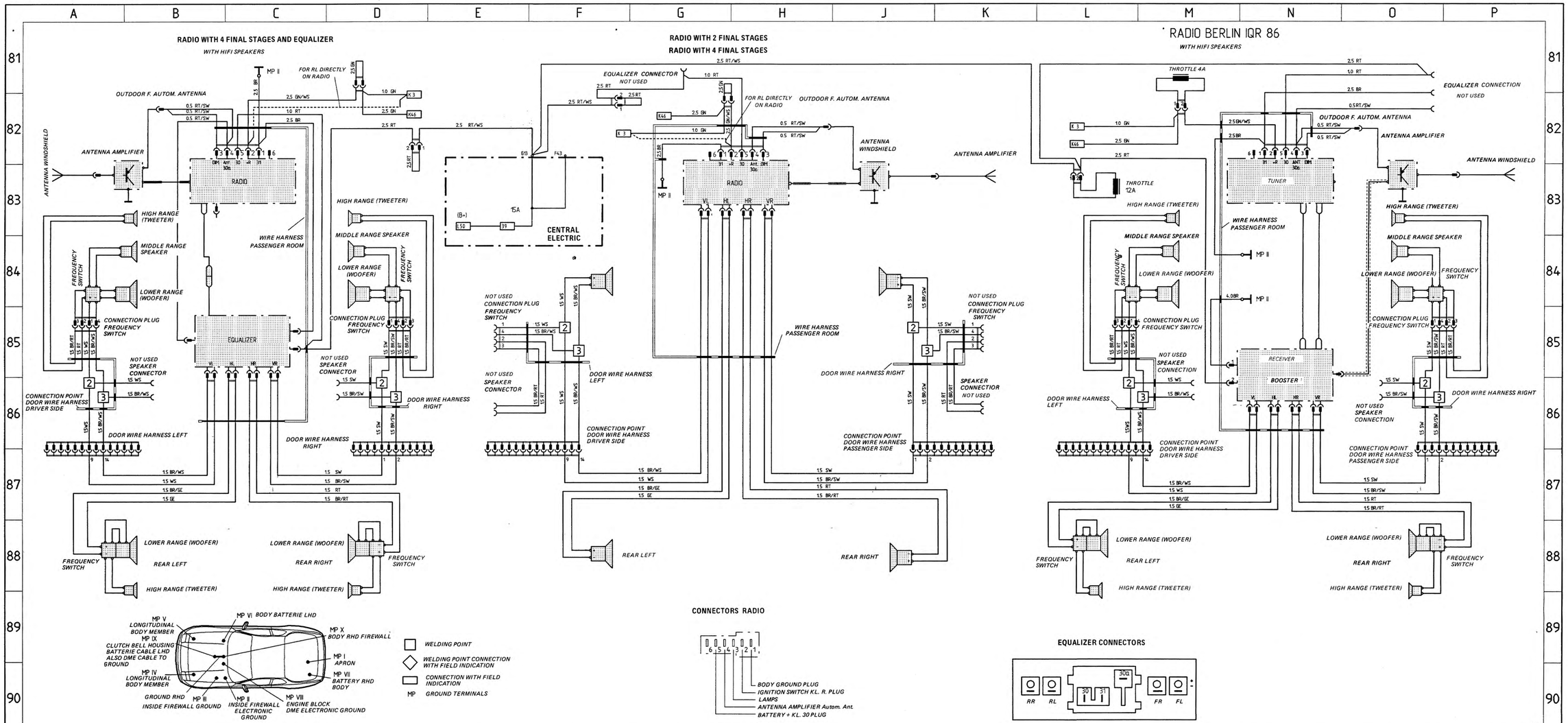
12

Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 13

RADIO

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 13

RADIO

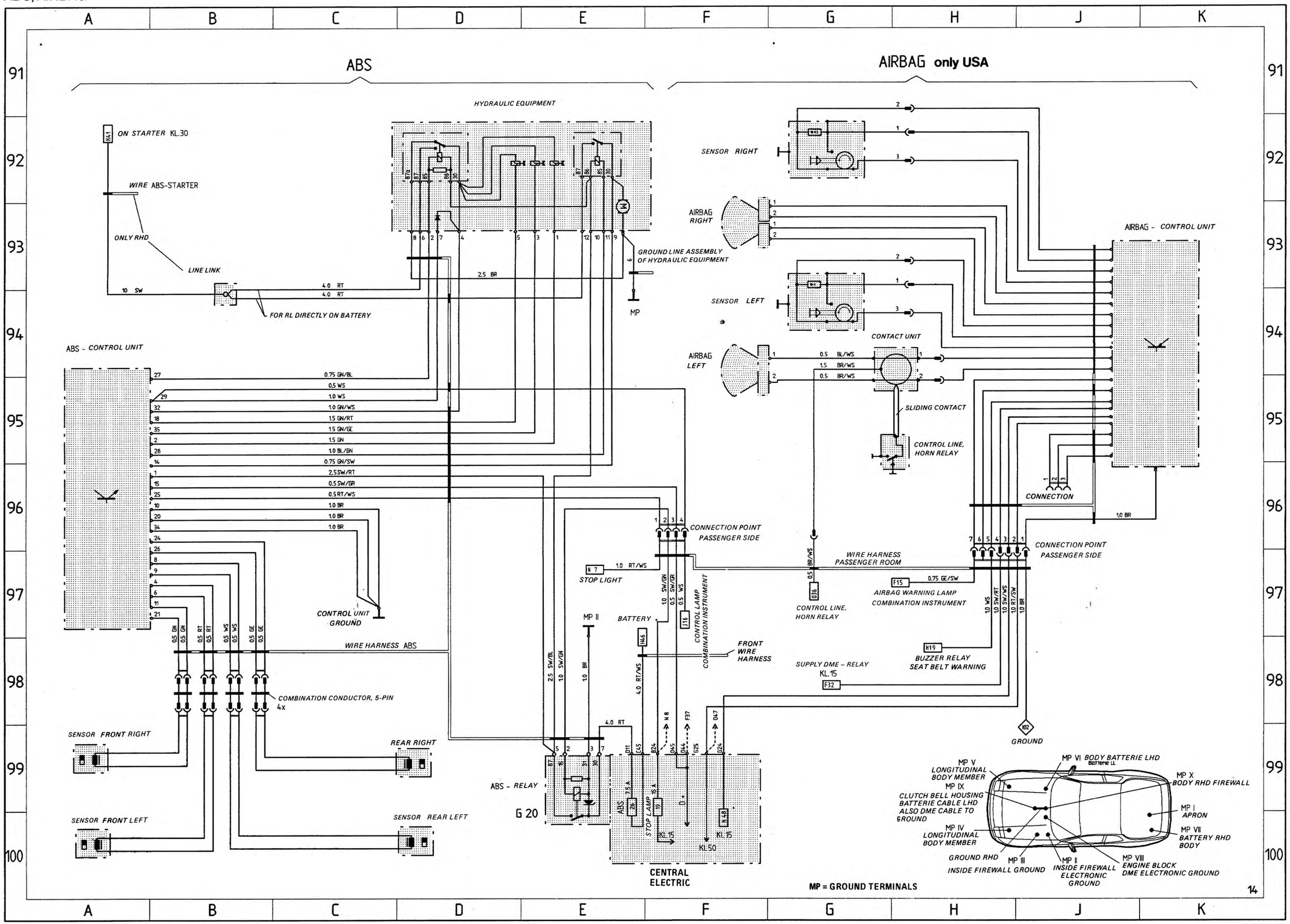


Wiring Diagram Type 944, 944 turbo 944 S Model 87 Sheet 14

ABS, AIRBAG

Wiring Diagram Type 944, 944 turbo, 944 S Model 87 Sheet 14

ABS, AIRBAG



Wiring Diagram Type 924 S
Model 86

Wiring Diagram Type 924 S Model 86

The wiring diagram consists of seven 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.

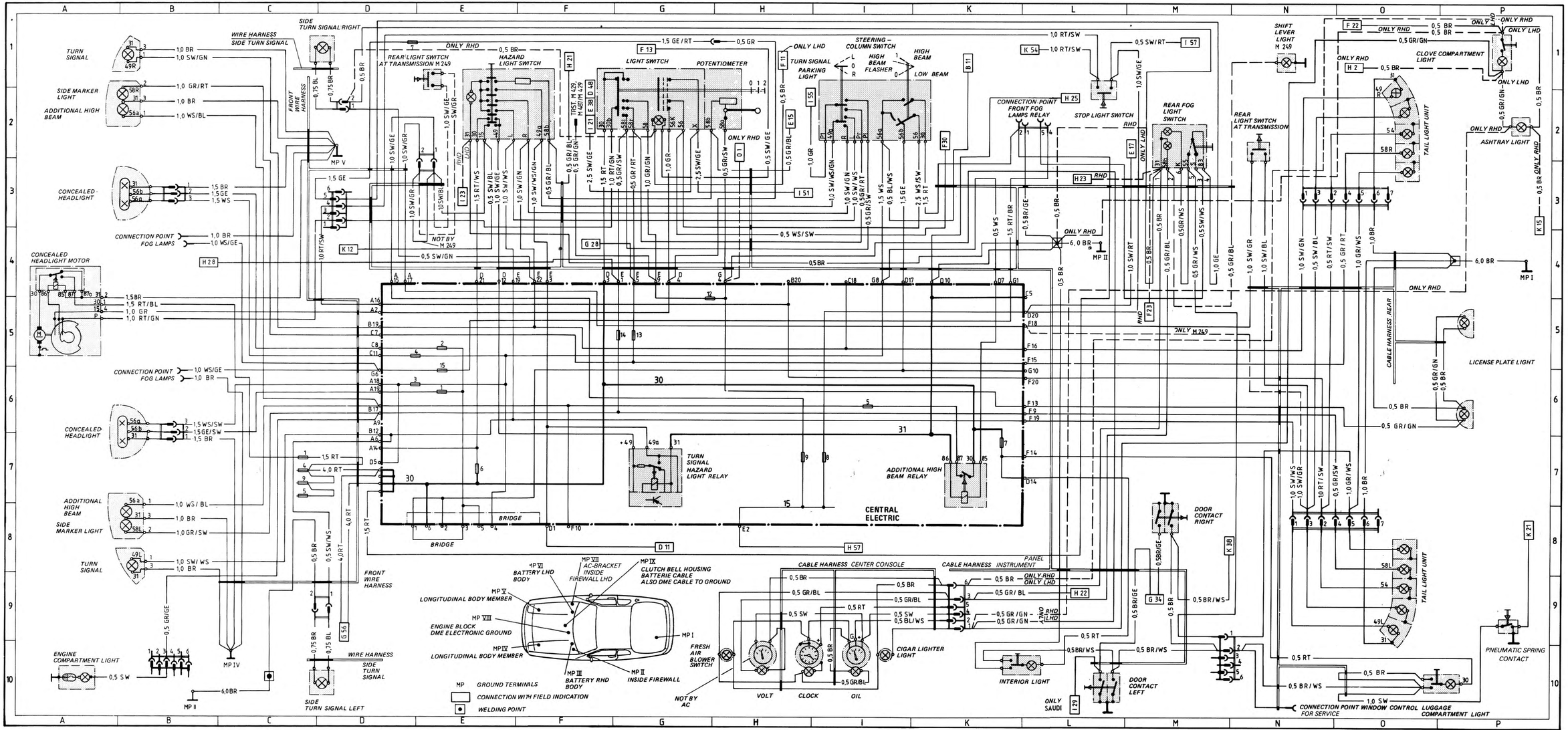
The earth/ground points are identified by "MP" and their location is shown in a vehicle diagram.

Wiring Diagram Type 924 S
Model 86 Sheet 1

LIGHTING

Wiring Diagram Type 924 S Model 86 Sheet 1

LIGHTING



Wiring Diagram Type 924 S
Model 86 Sheet 2

INSTRUMENT CLUSTER, SENSORS,
TILTING ROOF

Wiring Diagram Type 924 S Model 86 Sheet 2

INSTRUMENT CLUSTER, SENSORS, TILTING ROOF

INDICATOR LIGHTS	
1	CHARGE CONTROL
2	PARKING BRAKE
3	FUEL WARNING
4	INSTRUMENT CLUSTER
5	OIL PRESSURE
6	TURN SIGNAL
7	HIGH BEAM

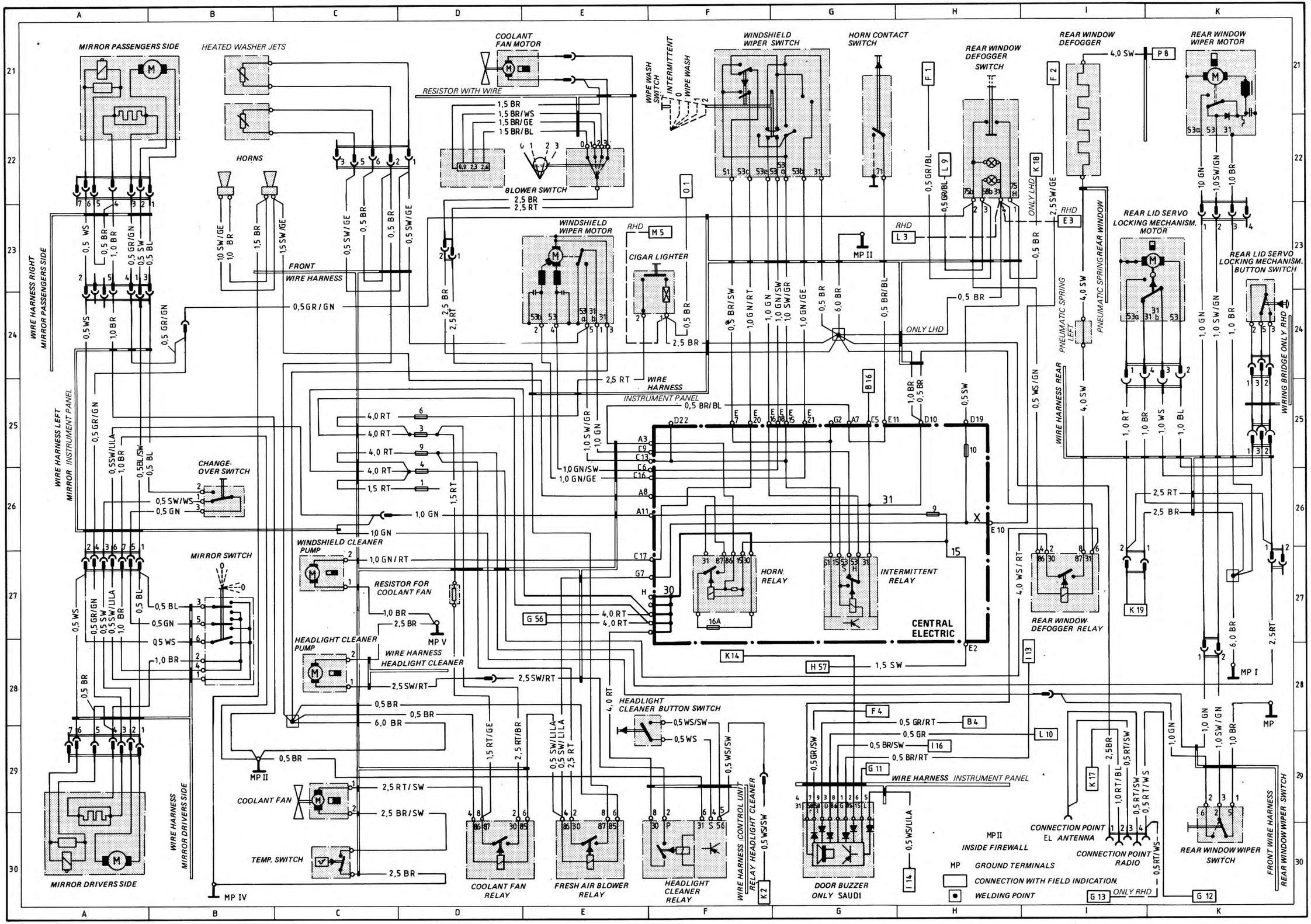
ONLY RHD
0,5 GR/GE
NUR RL
SPEEDOMETER
TACHOMETER
INSTRUMENT CLUSTER
0,5 BL/SW
ONLY FOR AUSTRALIEN
ONLY LHD
OIL PRESSURE
CLOCK
VOLT
NOT BY AC
INDICATOR LIGHT
SPEED WARNING SWITCH ONLY SAUDI
WATER TEMP. SENSOR
OIL PRESSURE SENSOR
CABLE HARNESS HALL TRANSMITTER
CABLE HARNESS INSTRUMENT PANEL
CABLE HARNESS CENTER CONSOLE
ONLY SAUDI
MP I
FUEL SENSOR
PARKING BRAKE
SEAT BELT CONTACT
CABLE HARNESS REAR
WIRE HARNESS DME
BUZZER ONLY SAUDI
CENTRAL ELECTRIC
LIFTING ROOF
CONTROL UNIT RADIO AND LIFTING ROOF
MICRO SWITCH 1
MICRO SWITCH 2
FRONT WIRE HARNESS
BRAKE FLUID RESERVOIR
MP II
MP III BATTERY BODY RHD
MP IV LONGITUDINAL BODY MEMBER
MP V LONGITUDINAL BODY MEMBER
MP VI BATTERY BODY LHD
MP VII AC-BRACKET INSIDE FIREWALL LHD
MP VIII ENGINE BLOCK DME ELECTRONIC GROUND
MP IX CLUTCH BELL HOUSING BATTERIE CABLE ALSO DME CABLE TO GROUND
MP INSIDE FIREWALL
MP GROUND TERMINALS
CONNECTION WITH FIELD INDICATION
WELDING POINT
LIFTING ROOF RELAY
MICROSWITCH LIFTING ROOF
LIFTING ROOF CLOSE SWITCH
CABLE HARNESS LIFTING ROOF
SWITCH
CONNECTION PLUG 1 LIFTING ROOF
LIFTING ROOF MOTOR

Wiring Diagram Type 924 S Model 86 Sheet 3

HEATING, VENTILATION,
WIPER AND WASHER SYSTEM

Wiring Diagram Type 924 S Model 86 Sheet 3

HEATING, VENTILATION, WIPER AND WASHER SYSTEM

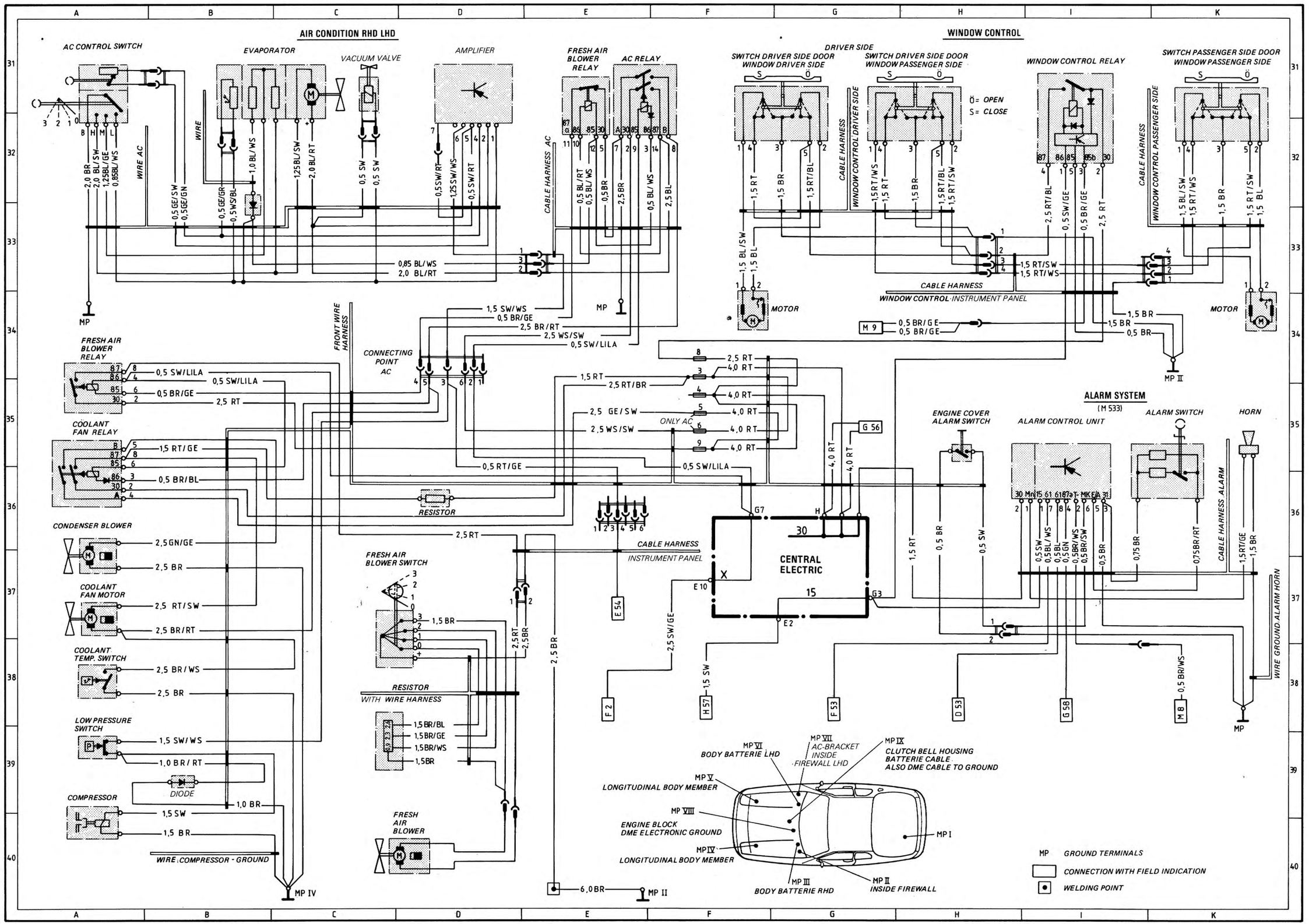


Wiring Diagram Type 924 S Model 86 Sheet 4

AC, WINDOW LIFTERS, ALARM SYSTEM

Wiring Diagram Type 924 S Model 86 Sheet 4

AC, WINDOW LIFTERS, ALARM SYSTEM

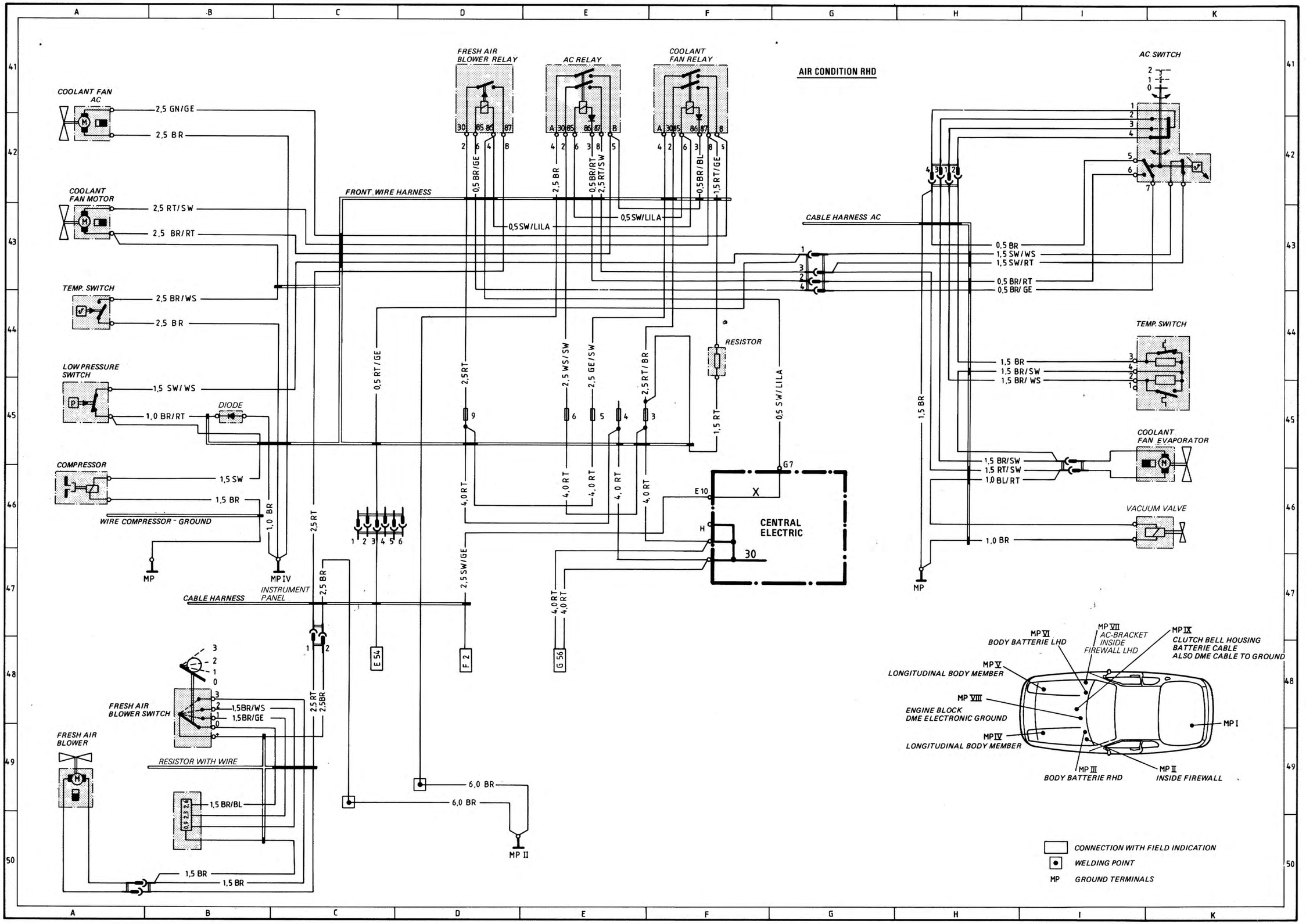


Wiring Diagram Type 924 S Model 86 Sheet 5

AC RHD

Wiring Diagram Type 924 S Model 86 Sheet 5

AC RHD

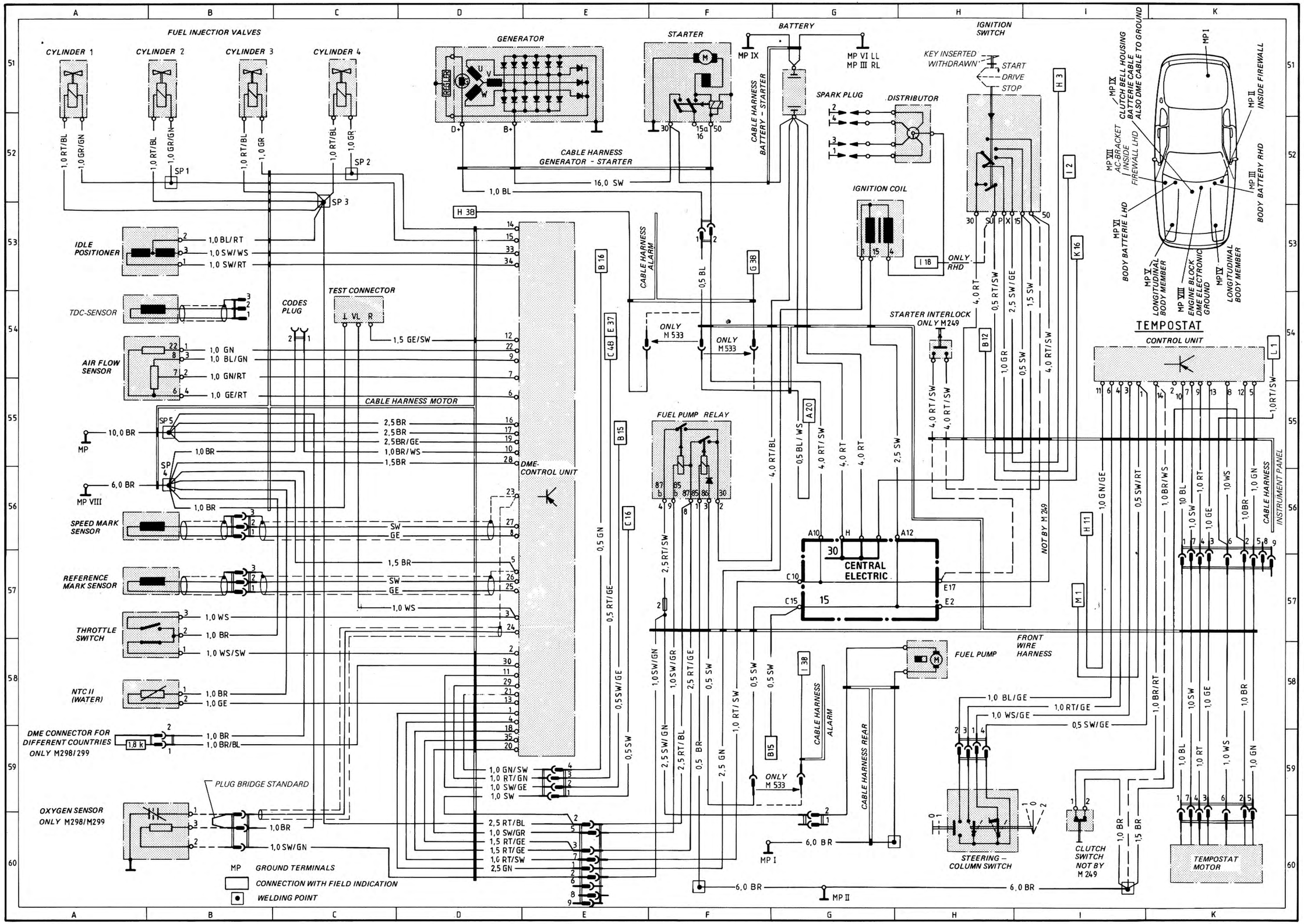


Wiring Diagram Type 924 S
Model 86 Sheet 6

ENGINE, TEMPOSTAT

Wiring Diagram Type 924 S Model 86 Sheet 6

ENGINE, TEMPOSTAT



Wiring Diagram Type 924 S
Model 86 Sheet 7

CENTRAL ELECTRICAL SYSTEM

Wiring Diagram Type 924 S Model 86 Sheet 7

CENTRAL ELECTRICAL SYSTEM

FUSE CONNECTION

		OUTLET		INLET
1.	LOW BEAM LEFT	A 19	8 A	Br. G5/3
2.	LOW BEAM RIGHT	C 8	8 A	
3.	HIGH BEAM LEFT	A 18, D 5	8 A	Br. G5/4, G8
4.	HIGH BEAM RIGHT	C 11	8 A	
5.	ADDITIONAL HIGH BEAM	F 10, B 17	16 A	Rel. G2/87
6.	HAZARD LIGHT	A 14, D 21	8 A	
7.	INTERIOR LIGHT	F 14, D 14	8 A	
8.	STOP LIGHT LIFTING ROOF	D 20	8 A	
9.	REAR WINDOW WIPER REAR LIGHT MIRROR	A 11, A 15	8 A	
10.	MIRROR HEATING	D 19	16 A	E 10, G 7
11.	WINDOW WIPER	Rel. G 4/15, C 13, D 22, E 15	8 A	
12.	LICENSE PLATE LIGHT INSTRUMENTS LIGHT	G 4, F 13	8 A	E 9
13.	SIDE MARKER LIGHT RIGHT	F 15, C 7	8 A	E 5
14.	SIDE MARKER LIGHT LEFT	F 9, A 9	8 A	E 1
15.	FRONT FOG LAMP	G 6	16 A	G 1

RELAYS

L — HORNS

K — ADDITIONAL HIGH BEAM

N — FLASHER RELAY

M — WIPER INTERMITTENT ACTION CONTROL RELAY

J — BRIDGE ADAPTER

9-WAY FUSE PANEL

1.	CONCEALED HEADLIGHT MOTOR	16 A	C 7
2	FUEL PUMP	16 A	F 57
3	COOLANT FAN	25 A	F 35 | E 45
4	REAR WINDOW DEFOGGER	25 A	D 25
5	COOLANT FAN - CONDENS. (ONLY M 573)	25 A	F 35 | E 45
6	AIR CONDITION (ONLY M 573) CIGARE LIGHTER	25 A	F 35 | E 45
7	REAR FOG LIGHT	8 A	D, E 1
8	CONTROL WINDOW (ONLY M 651)	16 A	F 34
9	FRESH AIR BLOWER, REAR LID SERVO LOCKING MECHANISM.	25 A	D 25

ADDITIONAL RELAY

S — HEADLIGHT CLEANERS — F 29

P — FRESH AIR BLOWER — E 29

T — COLLANT FAN — D, E 29

Q — REAR WINDOW DEFOGGER — I 27

CLIPT ON HEATERHOUSING DRIVER SIDE

U — CONTROL WINDOW / FUEL PUMP — I 32 / F 56

MOUNTED ON BRACKED FOR HEATER-INSTRUMENT PANEL (DRIVER SIDE)

LIFTING ROOF — I, K 17

CLIPT ON INSTRUMENT PANEL DRIVER SIDE

R — WARNING TIME WITH GONG / BUZZER — G 30 / B 17

RELAY P-U ARE CLIPT ON CENTRAL ELECTRIC SYSTEM

ABREVIATIONS INSIDE

z.B. D 6 = PLUG CONNECTION
Si. Zu. = FUSE INLET
Si. Ab. = FUSE OUTLET

ABREVIATIONS OUTSIDE

z.B. D 5 = CONNECTION WITH FIELD INDICATION

Wiring Diagram Type 924 S Model 87

Wiring Diagram Type 924 S Model 87

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.

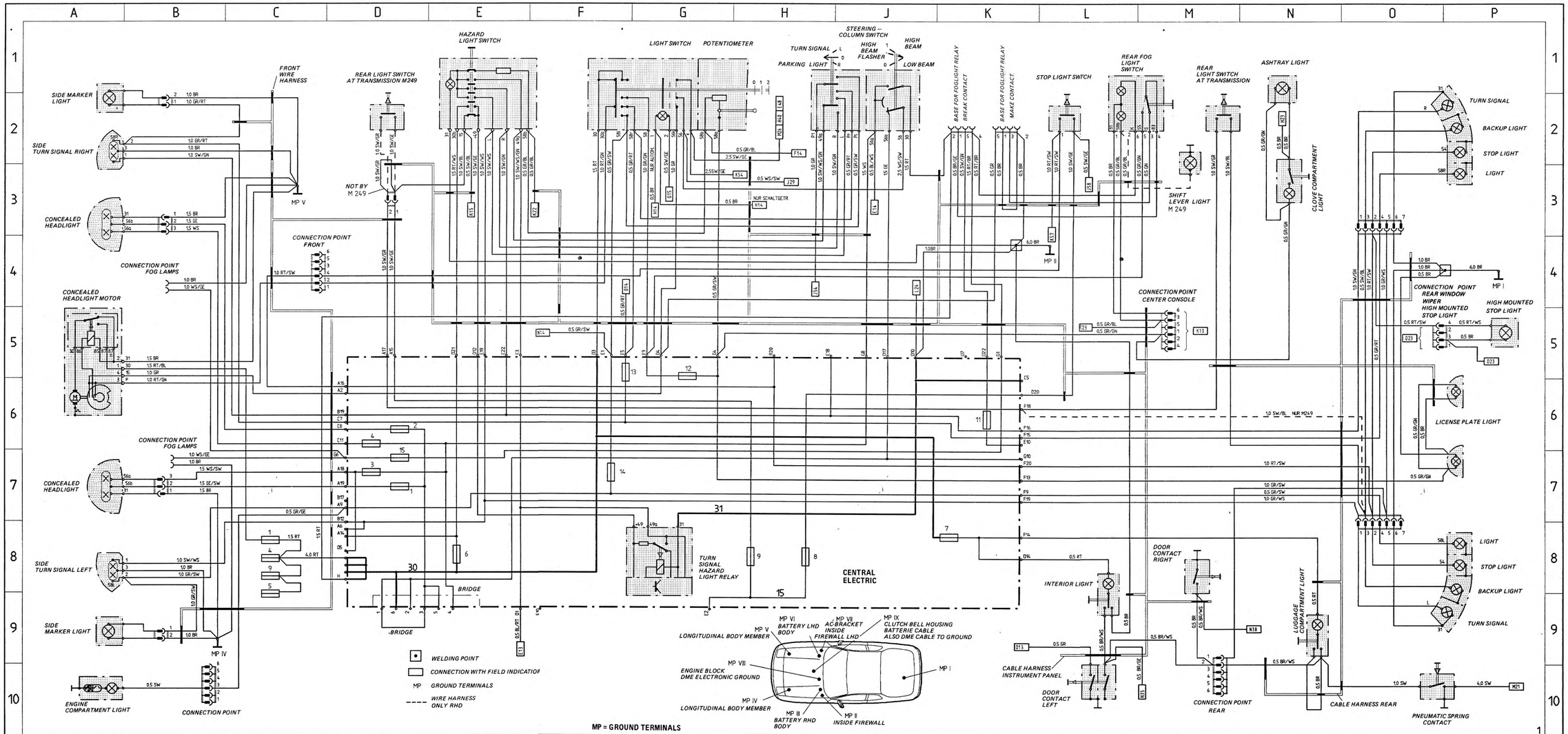
The earth/ground points are identified by "MP" and their location is shown in a vehicle diagram.

Wiring Diagram Type 924 S Model 87 Sheet 1

LIGHTING USA

Wiring Diagram Type 924 S Model 87 Sheet 1

LIGHTING USA

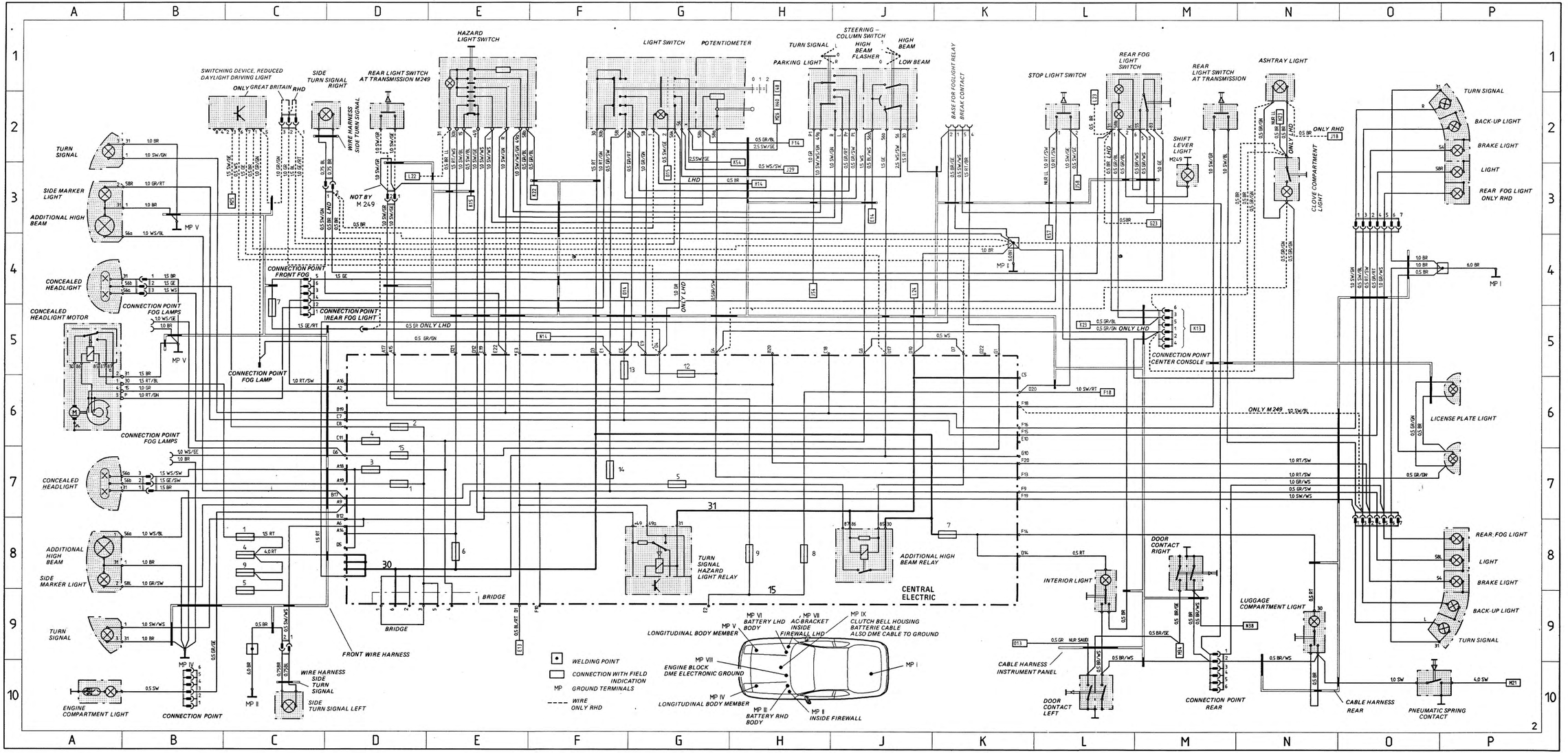


Wiring Diagram Type 924 S Model 87 Sheet 2

LIGHTING ROW

Wiring Diagram Type 924 S Model 87 Sheet 2

LIGHTING ROW

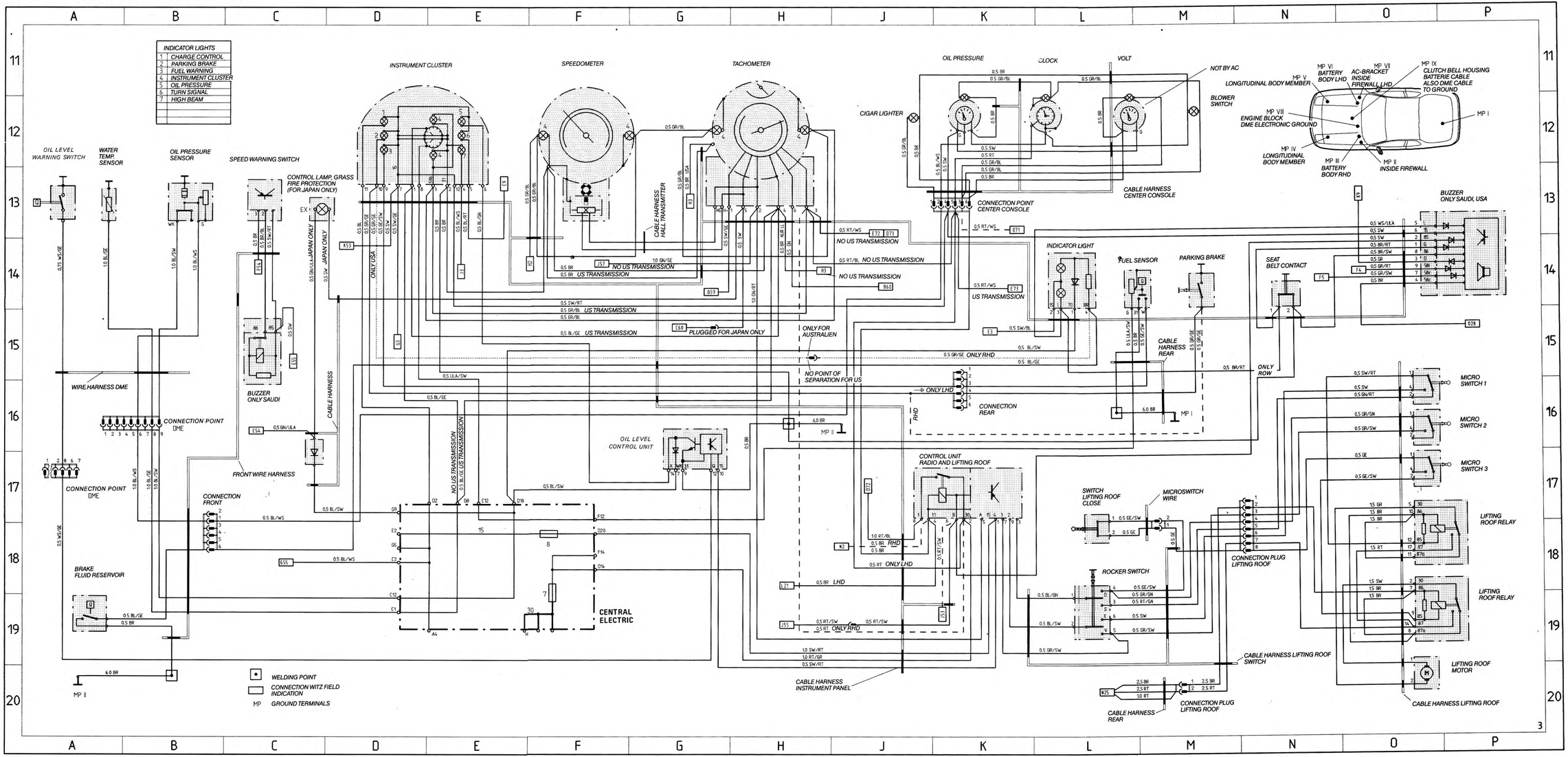


Wiring Diagram Type 924 S Model 87 Sheet 3

INSTRUMENT CLUSTER AND SENSORS
TILTING ROOF

Wiring Diagram Type 924 S Model 87 Sheet 3

INSTRUMENT CLUSTER, SENSORS, TILTING ROOF

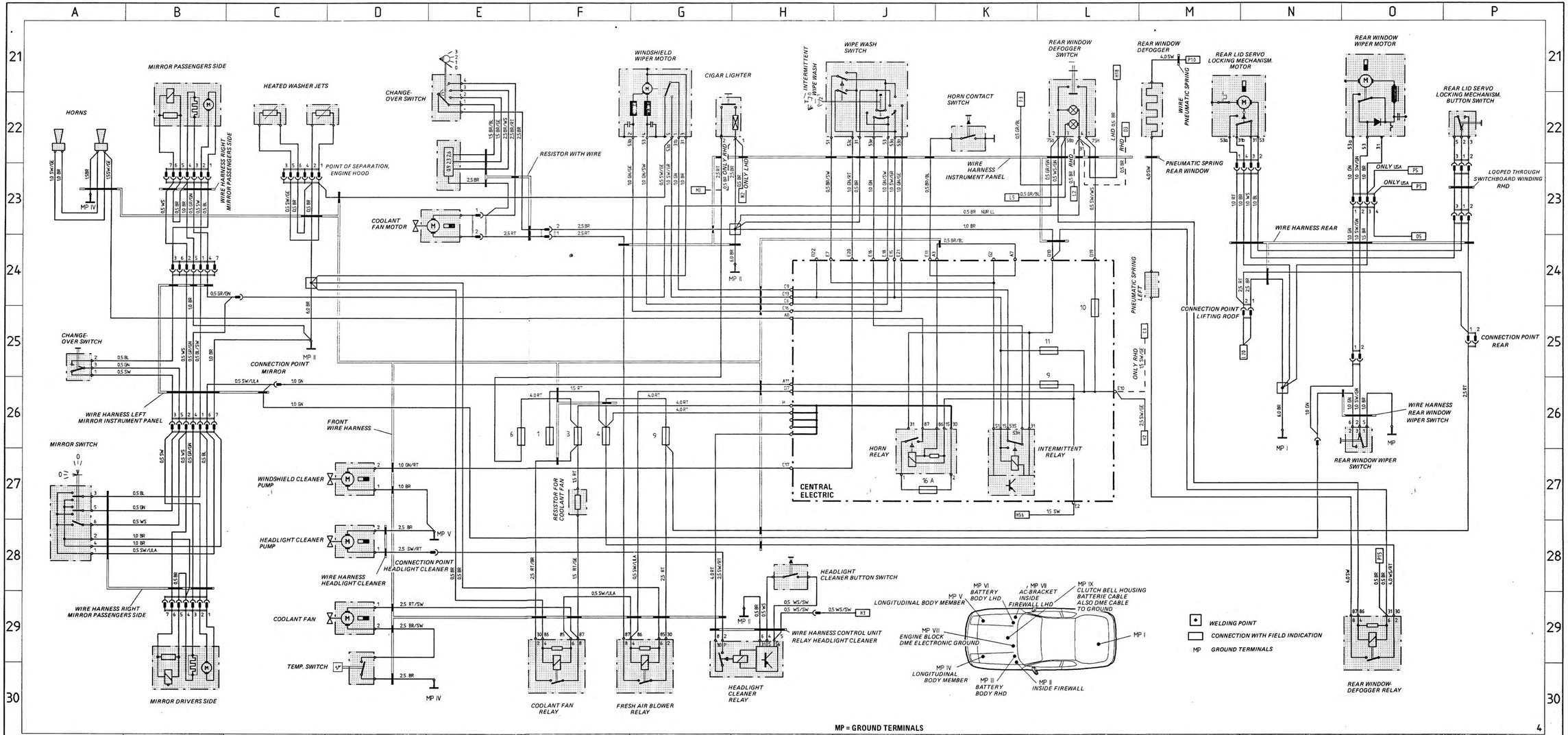


Wiring Diagram Type 924 S Model 87 Sheet 4

HEATING, VENTILATION, WIPER AND WASHER SYSTEM AND MIRRORS

Wiring Diagram Type 924 S Model 87 Sheet 4

HEATING, VENTILATION, WIPER AND WASHER SYSTEM AND MIRRORS

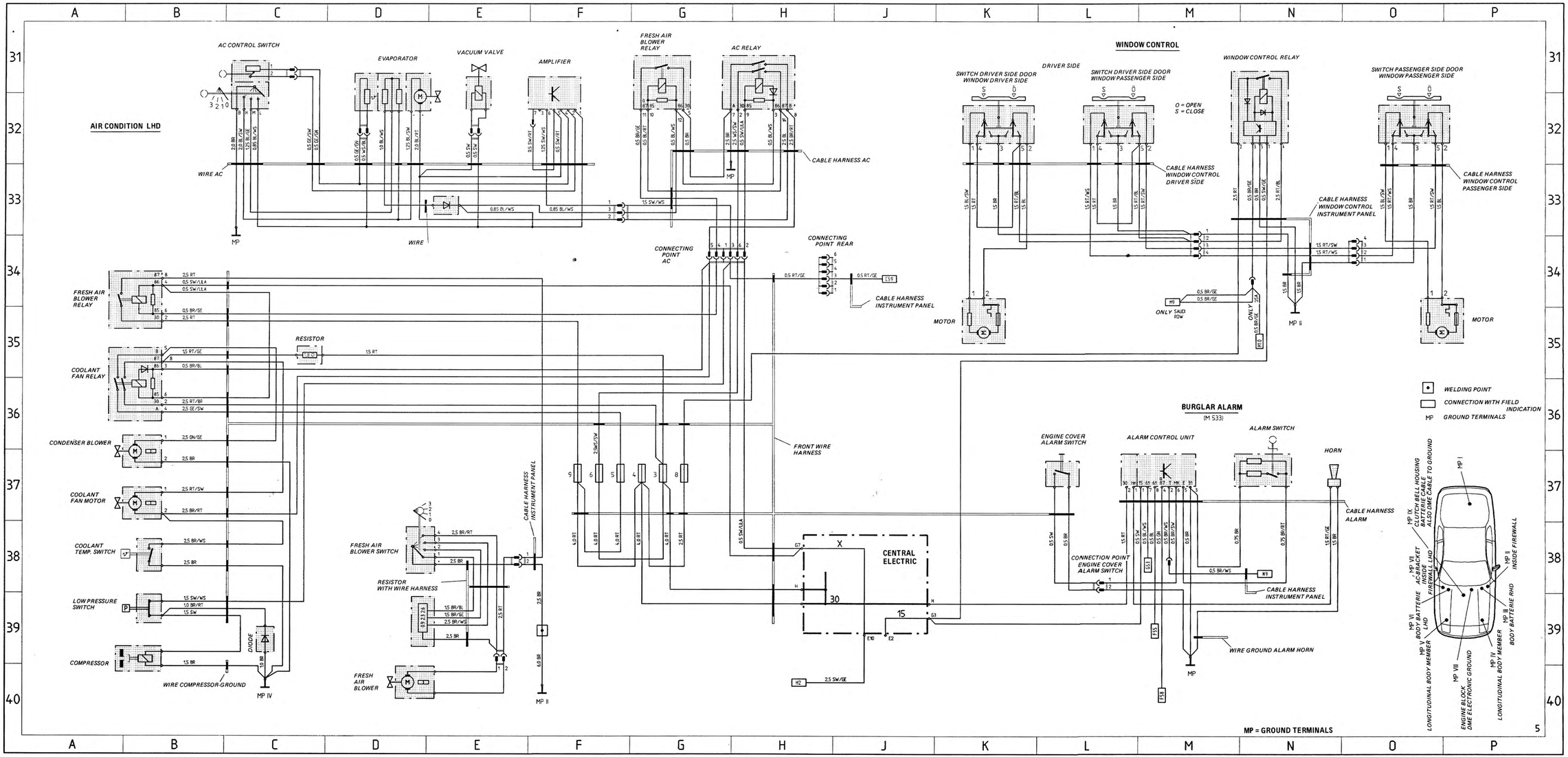


Wiring Diagram Type 924 S Model 87 Sheet 5

AC, WINDOW LIFTERS, ALARM SYSTEM

Wiring Diagram Type 924 S Model 87 Sheet 5

AC, WINDOW LIFTERS, ALARM SYSTEM



Wiring Diagram Type 924 S Model 87 Sheet 6

AC RHD

Wiring Diagram Type 924 S Model 87 Sheet 6

AC RHD

AIR CONDITION RHD

FRESH AIR BLOWER RELAY

AC RELAY

COOLANT FAN RELAY

CABLE HARNESS AC

AC SWITCH

COOLANT FAN AC

2.5 GN/GE

2.5 BR

COOLANT FAN MOTOR

2.5 RT/SW

2.5 BR/RT

FRONT WIRE HARNESS

TEMP. SWITCH

2.5 BR/WS

2.5 BR

RESISTOR

1.5 RT

0.5 RT/GE

CONNECTION POINT FRONT

TEMP. SWITCH

LOW PRESSURE SWITCH

1.5 SW/WS

1.0 BR/RT

1.0 BR

DIODE

WIRE HARNESS INSTRUMENT PANEL

COOLANT FAN EVAPORATOR

COMPRESSOR

1.5 SW

1.5 BR

WIRE COMPRESSOR-GROUND

MP

MP IV

G7

X

H2

2.5 SW/GE

E10

H

CENTRAL ELECTRIC

30

VACUUM VALVE

CABLE HARNESS INSTRUMENT PANEL

FRESH AIR BLOWER SWITCH

1.5 BL/RT

2.5 RT

2.5 BR

FRESH AIR BLOWER

1.5 BR/BL

1.5 BR/GE

2.5 BR/WS

2.5 BR

6.0 BR

RESISTOR WITH WIRE

MP II

WELDING POINT

CONNECTION WITH FIELD INDICATION

MP GROUND TERMINALS

LONGITUDINAL BODY MEMBER

MP V BODY BATTERIE LHD

MP VI AC-BRACKET INSIDE FIREWALL LHD

MP VII CLUTCH BELL HOUSING BATTERIE CABLE ALSO DME CABLE TO GROUND

ENGINE BLOCK DME ELECTRONIC GROUND

MP VIII

MP I

MP IV LONGITUDINAL BODY MEMBER

MP III BODY MATTERIE RHD

MP II INSIDE FIREWALL

MP = GROUND TERMINALS

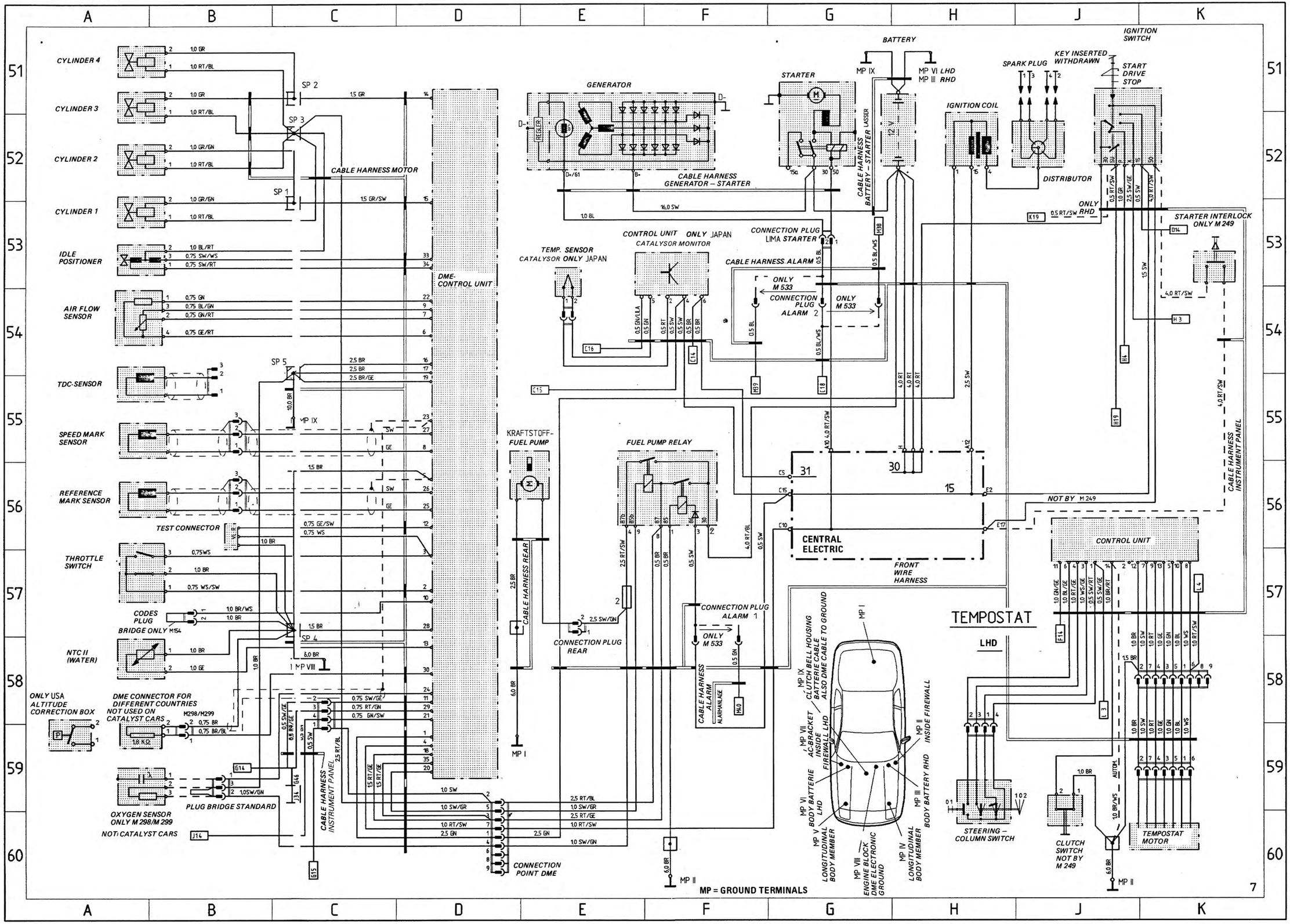
6

Wiring Diagram Type 924 S
Model 87 Sheet 7

ENGINE, TEMPOSTAT

Wiring Diagram Type 924 S Model 87 Sheet 7

ENGINE, TEMPOSTAT

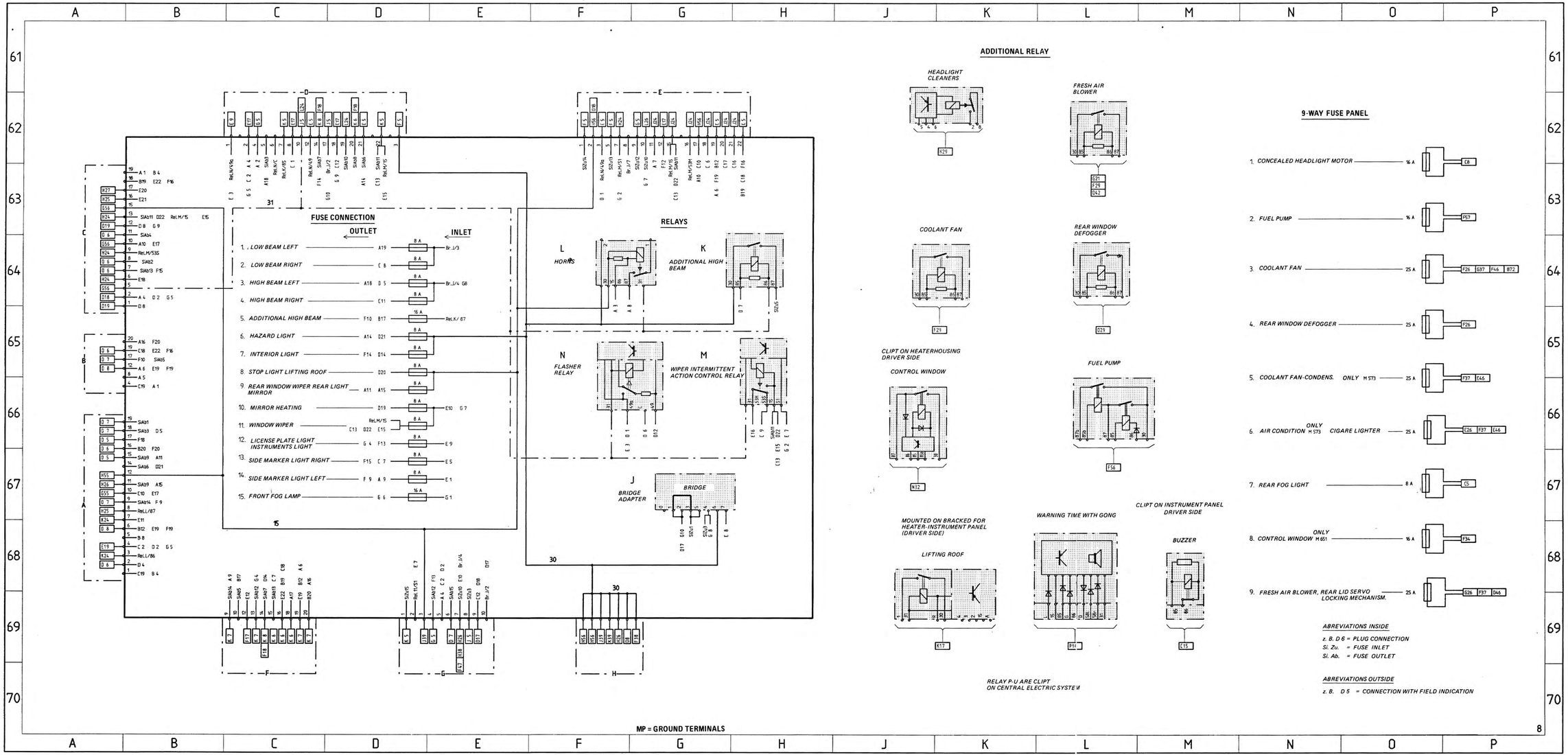


Wiring Diagram Type 924 S Model 87 Sheet 8

CENTRAL ELECTRICAL SYSTEM

Wiring Diagram Type 924 S Model 87 Sheet 8

CENTRAL ELECTRICAL SYSTEM

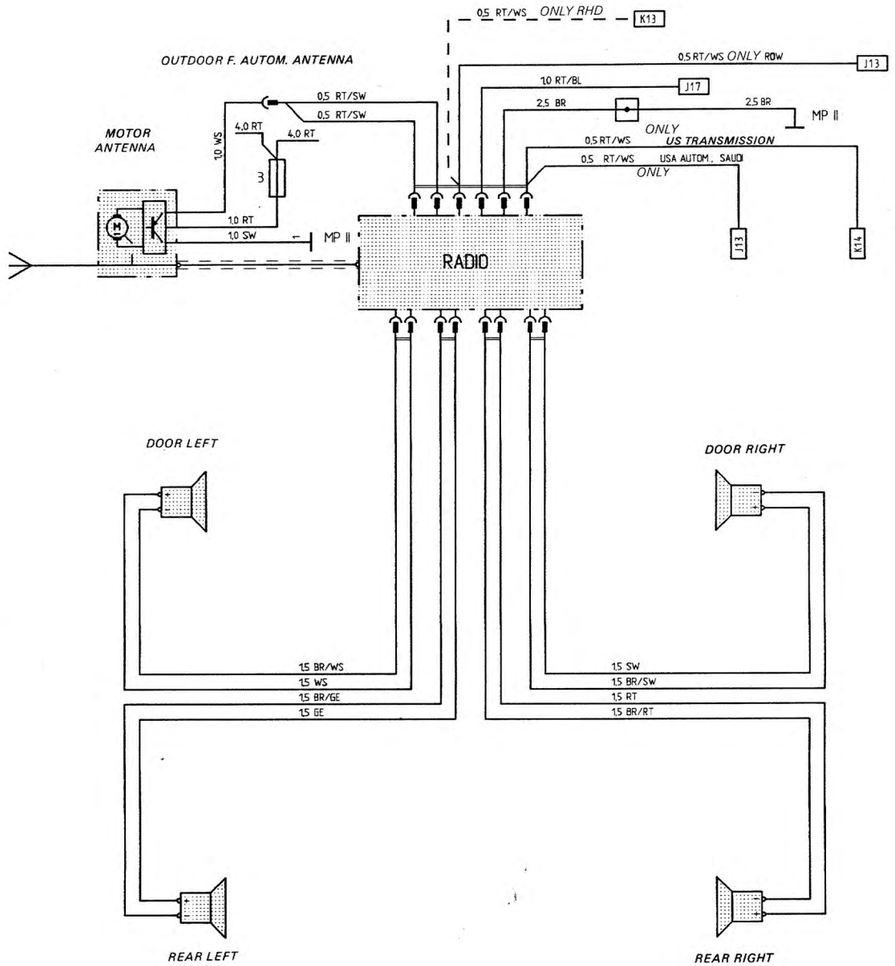


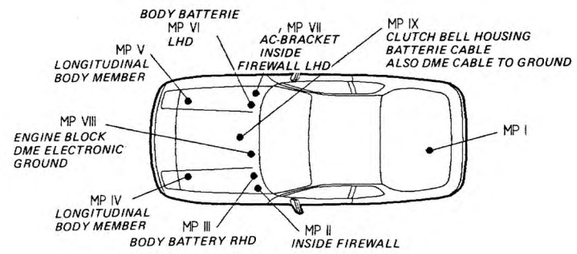
Wiring Diagram Type 924 S
Model 87 Sheet 9

RADIO

Wiring Diagram Type 924 S Model 87 Sheet 9

RADIO



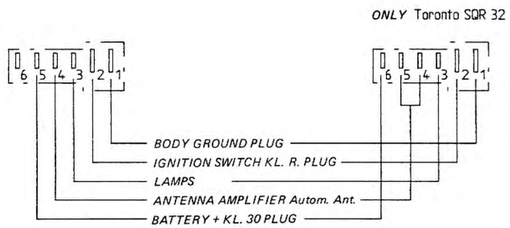


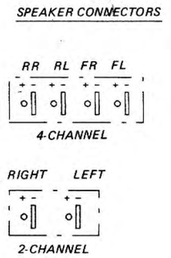
WELDING POINT

CONNECTION WITH FIELD INDICATION

MP GROUND TERMINALS

CONNECTORS RADIO





MP = GROUND TERMINALS