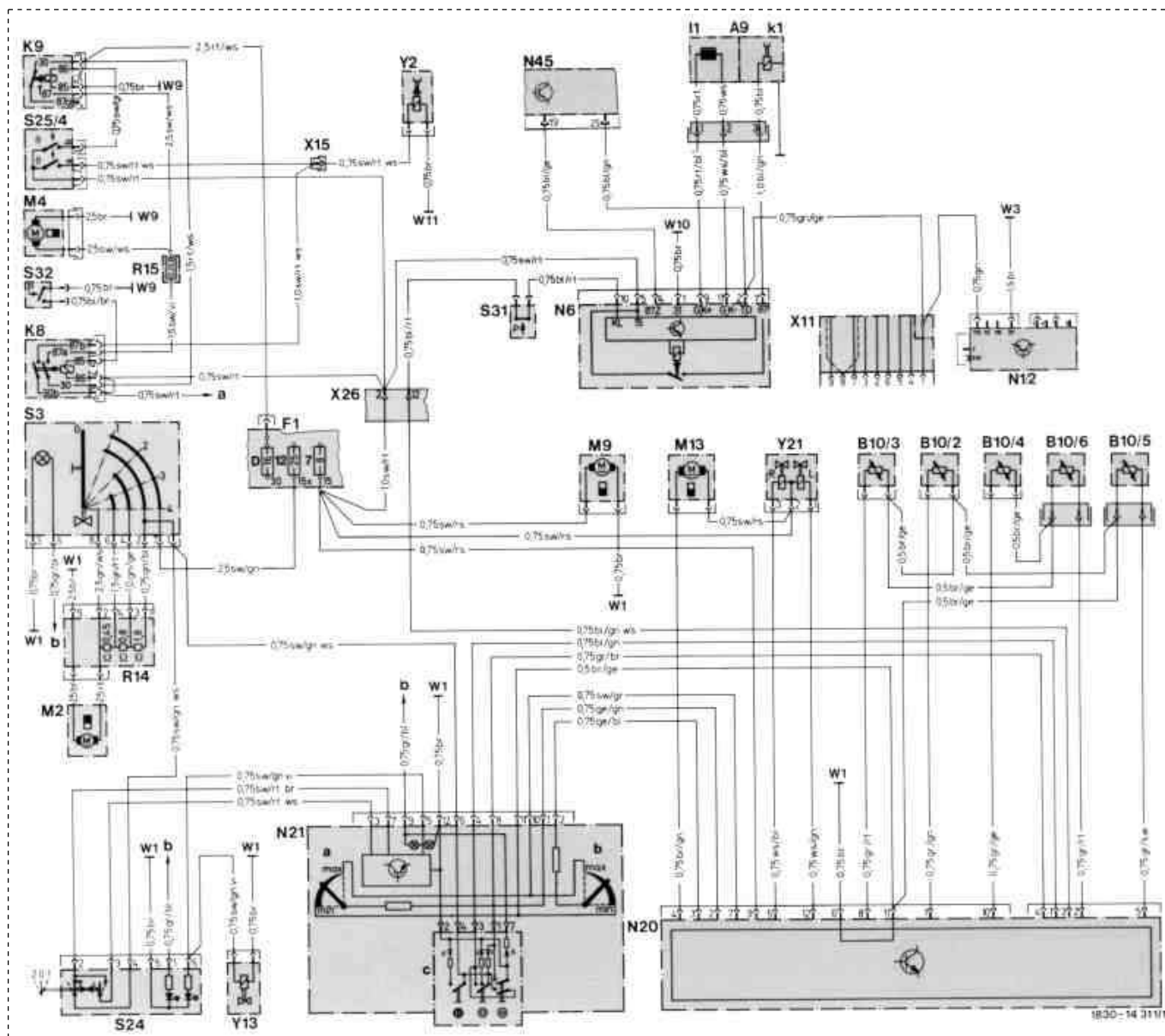


Model 124.020 standard version up to August 1987

A9	Refrigerant compressor	M2	Blower motor
A9k1	Electromagnetic clutch	M4	Auxiliary fan
A9l1	Speed sensor	M9	Ventilation fan, temperature sensor, interior air
B10/2	Temperature sensor, heat exchanger, left	M13	Circulation pump
B10/3	Temperature sensor, heat exchanger, right	N1/1	Switching unit, transistorized ignition
B10/4	Temperature sensor, in-car air	N6	Control unit, compressor shutoff
B10/5	Temperature sensor, outside air	N20	Control unit, automatic temperature control
B10/6	Temperature sensor, evaporator	N21	Operating unit, automatic temperature control
F1	Fuse and relay box	a	Temperature selector wheel, left
K9	Relay, auxiliary fan	b	Temperature selector wheel, right
K10	Relay, auxiliary fan preresistor	c	Air-conditioner switch

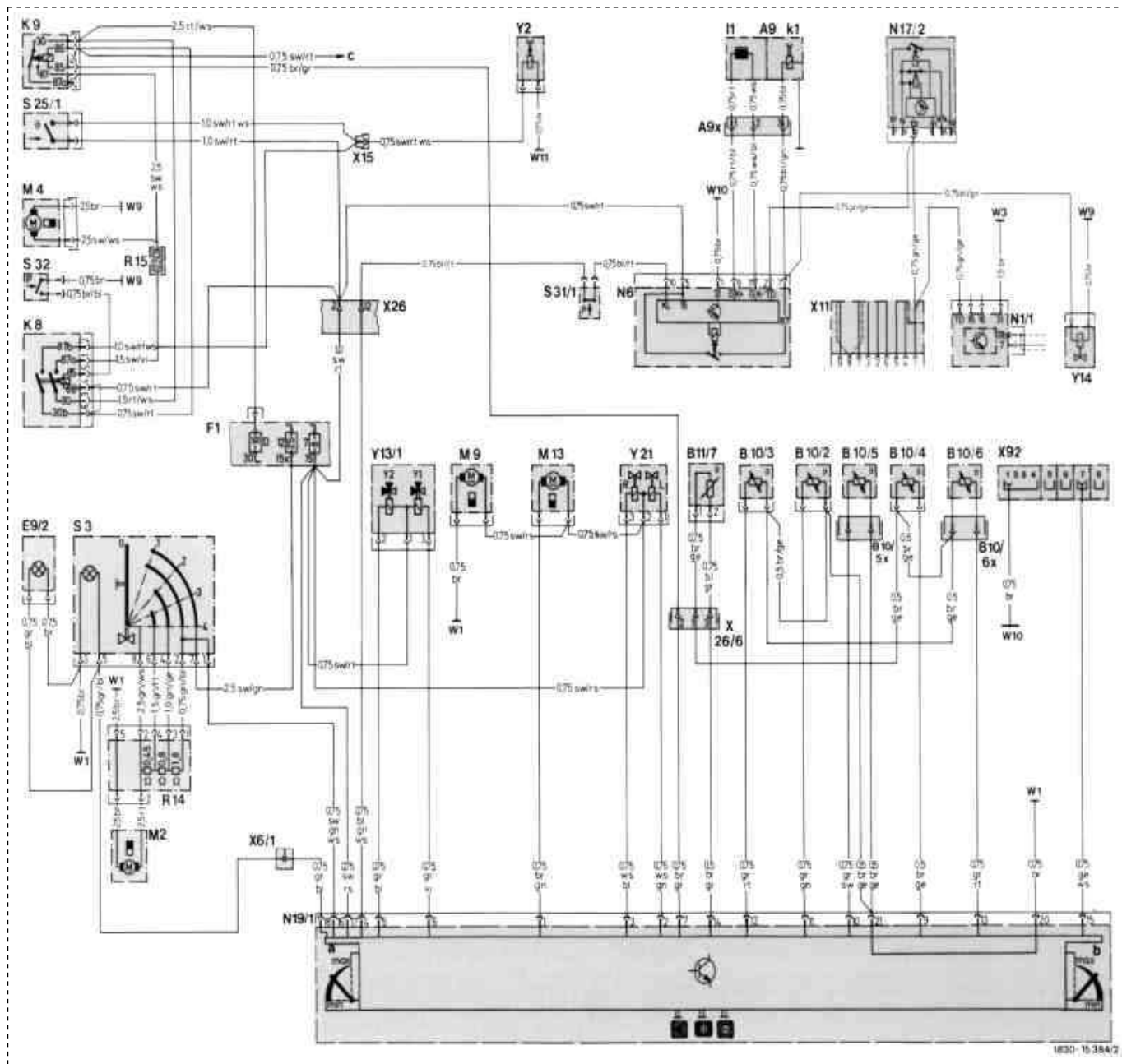
R14 Presistor group, fan motor
 R15 Presistor, auxiliary fan
 S3 Air quantity switch
 S24 Fresh air/recirculated air switch
 S25/4 Temperature switch 100/110 °C
 a 100 °C for electromagnetic clutch engine fan
 b 110 °C for auxiliary fan
 S31 Pressure switch, refrigerant compressor, OFF
 2.0 bars/ON 2.6 bars
 S32 Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
 W1 Main ground (behind instrument cluster)
 W3 Ground, wheel well, front left (ignition coil)
 W9 Ground, front left (near headlight unit)
 W10 Ground, battery
 W11 Ground, engine (bolt-on point for ground wires)

Ground connection without designation, component directly on engine or body
 X11 Diagnostic socket/connector terminal TD
 X15 Plug connector engine fan/temperature switch 100 °C
 X26 Plug connector, passenger compartment/engine, 12-pole
 Y2 Electromagnetic clutch, engine fan
 Y13 Switch-over valve, fresh air, recirculated air flap
 Y14 Switch-over valve, speed stabilization
 Y21 Duo valve
 a X6 Cable connector, terminal 58d, 2-pole



Model 124.020 RÜF/KAT up to August 1987

A9	Refrigerant compressor	N1/2	Control unit, transistorized ignition
A9k1	Electromagnetic clutch	N6	Control unit, compressor switch-off
A9l1	Speed sensor	N20	Control unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	N21	Operating unit, automatic temperature control
B10/3	Temperature sensor, heat exchanger, right		a Temperature selector wheel, left
B10/4	Temperature sensor, in-car air		b Temperature selector wheel, right
B10/5	Temperature sensor, outside air		c Air-conditioner switch
B10/6	Temperature sensor, evaporator	N45	Control unit, electronic carburettor
F1	Fuse and relay box	R14	Preresistor group, fan motor
K8	Double contact relay, auxiliary fan, magnetic clutch, engine fan	R15	Preresistor, auxiliary fan
K9	Relay, auxiliary fan	S3	Air volume switch
M2	Fan motor	S24	Fresh air/recirculated air switch
M4	Auxiliary fan	S25/4	Temperature switch 100/110 °C
M9	Ventilation fan, temperature sensor, in-car air		a 100 °C for electromagnetic clutch engine fan
M13	Circulation pump		b 110 °C for auxiliary fan
		S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
		S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
W1	Main ground (behind instrument cluster)	X11	Diagnostic socket/connector terminal TD
W3	Ground, wheel well, front left (ignition coil)	X15	Plug connector engine fan/temperature switch 100 °C
W9	Ground, front left (near headlight unit)	X26	Plug connector, passenger compartment/engine, 12-pole
W10	Ground, battery	Y2	Electromagnetic clutch, engine fan
W11	Ground, engine (bolt-on point for ground wires)	Y13	Switch-over valve, fresh air, recirculated air flap
Ground connection without designation, component directly on engine or body		Y21	Duo valve
		a	Windshield washer nozzle heater, left
		b	X6 Cable connector, terminal 58d, 2-pole

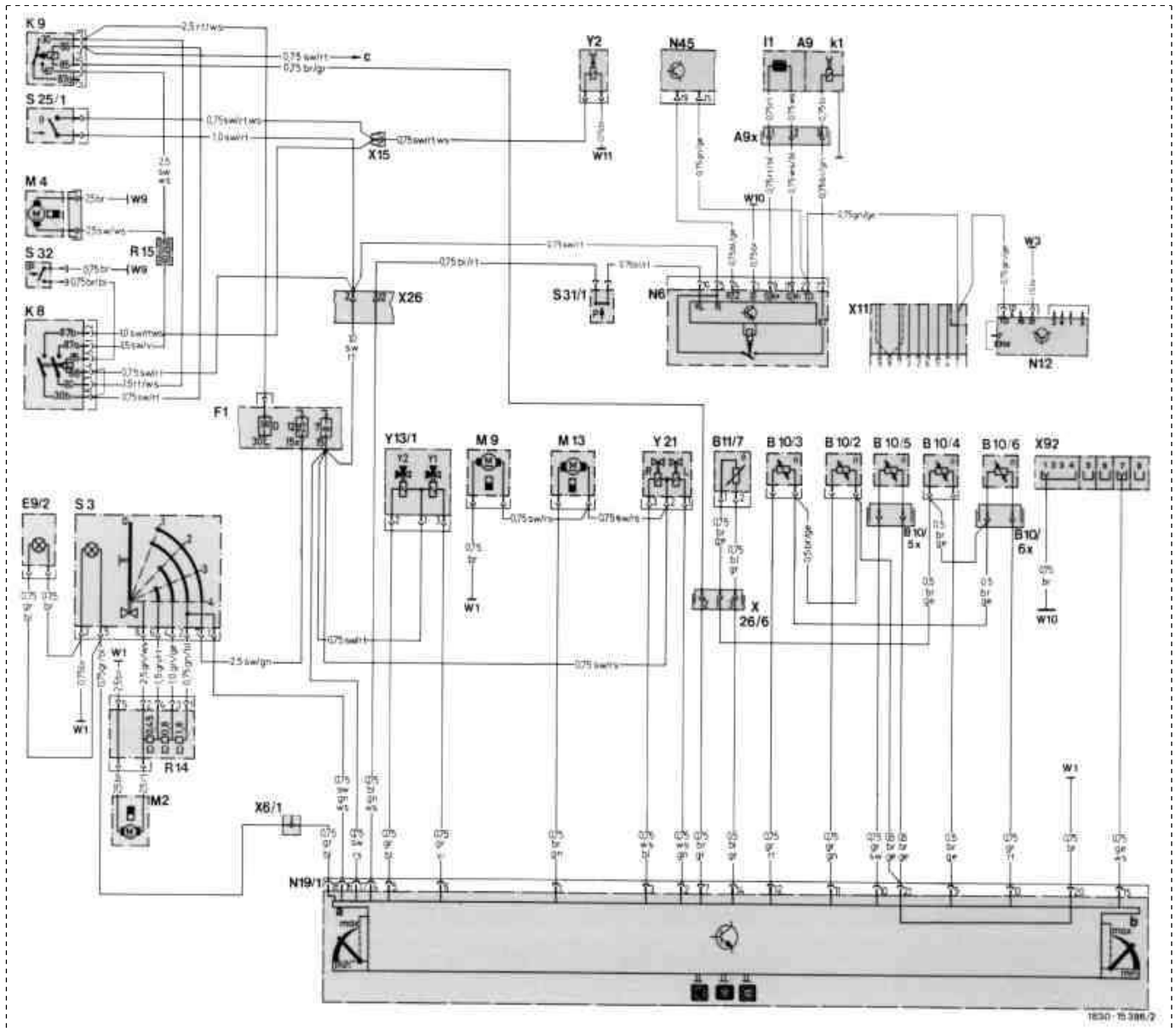


Models 124.020/080 as of September 1987

A9	Refrigerant compressor
A9k1	Electromagnetic clutch
A91	Speed sensor
A9x	Plug connector, refrigerant compressor
B10/2	Temperature sensor, heat exchanger, left
B10/3	Temperature sensor, heat exchanger, right
B10/4	Temperature sensor, in-car air
B10/5	Temperature sensor, outside air
B10/5x	Plug connector, temperature sensor, outside air
B10/6	Temperature sensor, evaporator
B10/6x	Plug connector, temperature sensor, evaporator
B11/7	Temperature sensor, coolant (blue)
E9/2	Light, air distribution switch
F1	Fuse and relay box

K8	Double contact relay, auxiliary fan, magnetic clutch, engine fan
K9	Relay, auxiliary fan
M2	Blower motor
M4	Auxiliary fan
M9	Ventilation blower, temperature sensor, in-car air
M13	Circulation pump
N1/1	Control unit, transistorized ignition
N6	Control unit, compressor shutoff
N17/2	Relay, fuel cut-off valve with kick-down shutoff
N19/1	Automatic temperature control unit
R14	Preresistor group, blower motor
R15	Preresistor, auxiliary fan

S3	Air quantity switch	X6/1	Cable connector, terminal 58D single-pole
S25/1	Temperature switch 100 °C	X15	Plug connector engine fan/temperature switch 100 °C
S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars	X26	Plug connector, passenger compartment/engine, 12-pole
S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars	X26/6	Plug connector, engine cable harness, automatic temperature control, 3-pole
W1	Main ground (behind instrument cluster)	X92	Diagnostic test connector, 8-pole (flash code)
W3	Ground, wheel well, front left (ignition coil)	Y2	Electromagnetic clutch, engine fan
W9	Ground, front left (near headlight unit)	Y13/1	2-position switch-over valve connector block, fresh air/recirculated air flap
W10	Ground, battery	Y13/1y1	Switch-over valve, long stroke
W11	Ground, engine (bolt-on point for ground wire)	Y13/1y2	Switch-over valve, short stroke
	Ground connection without designation, component directly on engine or body	Y14	Switch-over valve, speed stabilization
		Y21	Duo valve
		c	To windshield washer nozzle heater, left



Models 124.020/080 RÜF/KAT as of September 1987

A9	Refrigerant compressor	M9	Ventilation blower, temperature sensor, in-car air
A9k1	Electromagnetic clutch	M13	Circulation pump
A9l1	Speed sensor	N1/2	Control unit, transistorized ignition
A9x	Plug connector, refrigerant compressor	N6	Control unit, compressor shutoff
B10/2	Temperature sensor, heat exchanger, left	N19/1	Automatic temperature control unit
B10/3	Temperature sensor, heat exchanger, right	N45	Control unit, electronic carburettor
B10/4	Temperature sensor, in-car air	R14	Preresistor group, blower motor
B10/5	Temperature sensor, outside air	R15	Preresistor, auxiliary fan
B10/5x	Plug connector, temperature sensor, outside air	S3	Air volume switch
B10/6	Temperature sensor, evaporator	S25/1	Temperature switch 100 °C
B10/6x	Plug connector, temperature sensor, evaporator	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
B11/7	Temperature sensor, coolant (blue)	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
E9/2	Light, air distribution switch		
F1	Fuse and relay box		
K8	Double contact relay, auxiliary fan, magnetic clutch, engine fan	W1	Main ground (behind instrument cluster)
K9	Relay, auxiliary fan	W3	Ground, wheel well, front left (ignition coil)
M2	Blower motor	W9	Ground, front left (near headlight unit)
M4	Auxiliary fan	W10	Ground, battery
		W11	Ground, engine (bolt-on point for ground wire)
			Ground connection without designation, component directly on engine or body
X6/1	Terminal block, terminal 58D 1-pole	Y2	Electromagnetic clutch, engine fan
X11	Diagnostic socket/connector terminal TD	Y13/1	2-position switch-over valve connector block, fresh air/recirculated air flap
X15	Plug connector engine fan/temperature switch 100 °C	Y13/1y1	Switch-over valve, long stroke
X26	Plug connector, passenger compartment/engine, 12-pole	Y13/1y2	Switch-over valve, short stroke
X26/6	Plug connector, engine cable harness, automatic temperature control, 3-pole	Y21	Duo valve
X92	Diagnostic test connector, 8-pole (flash code)	c	To windshield washer nozzle heater, left

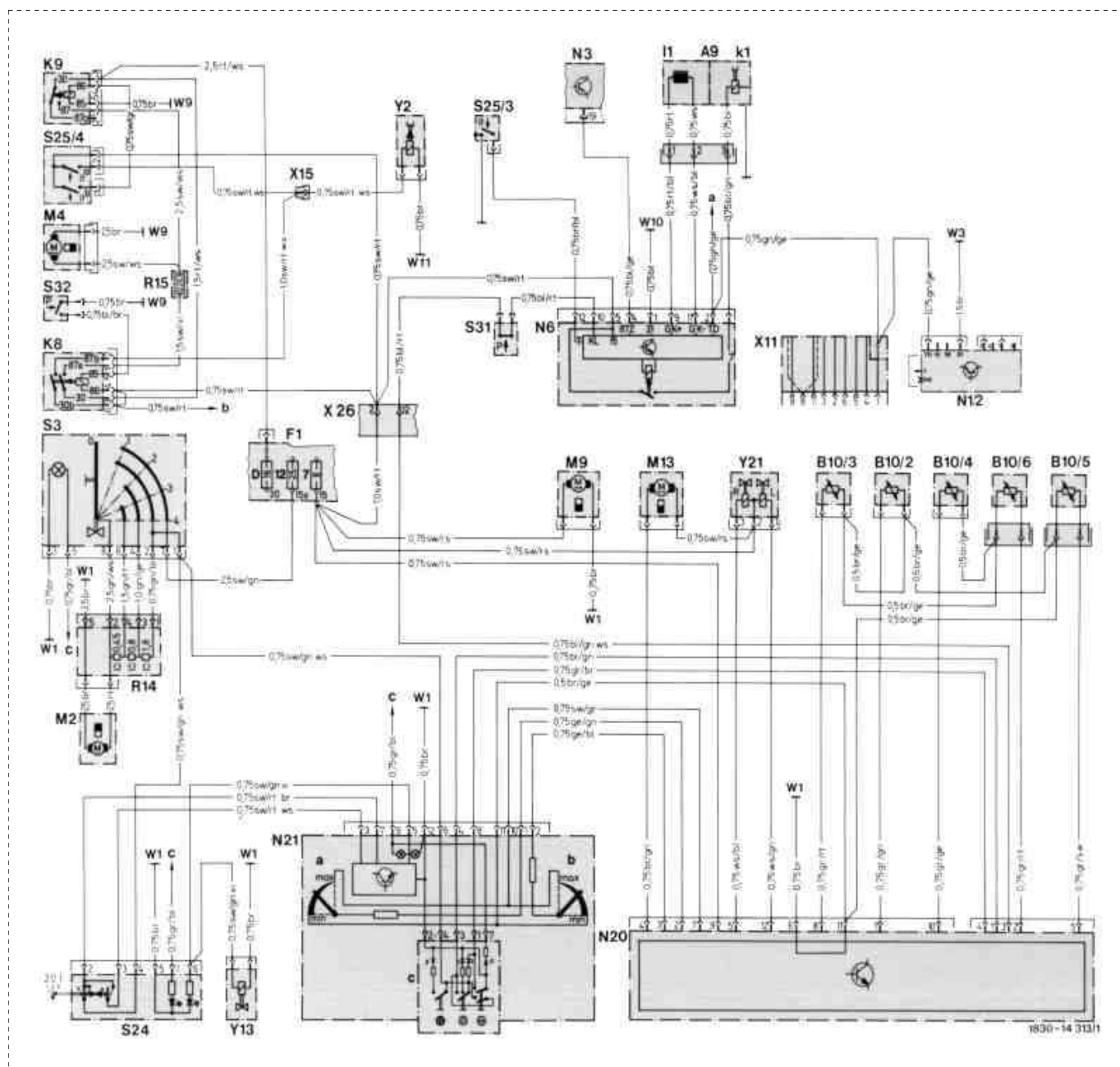
W1 Main ground (behind instrument cluster)
W3 Ground, wheel well, front left (ignition coil)
W9 Ground, front left (near headlight unit)
W10 Ground, battery
W11 Ground, engine (bolt-on point for ground wires)

Y2 Electromagnetic clutch, engine fan
Y13 Switch-over valve, fresh air/recirculated air flap
Y21 Duo valve

a Relay connector, fuel pump socket 10
b X6 Cable connector, terminal 58d, 2-pole

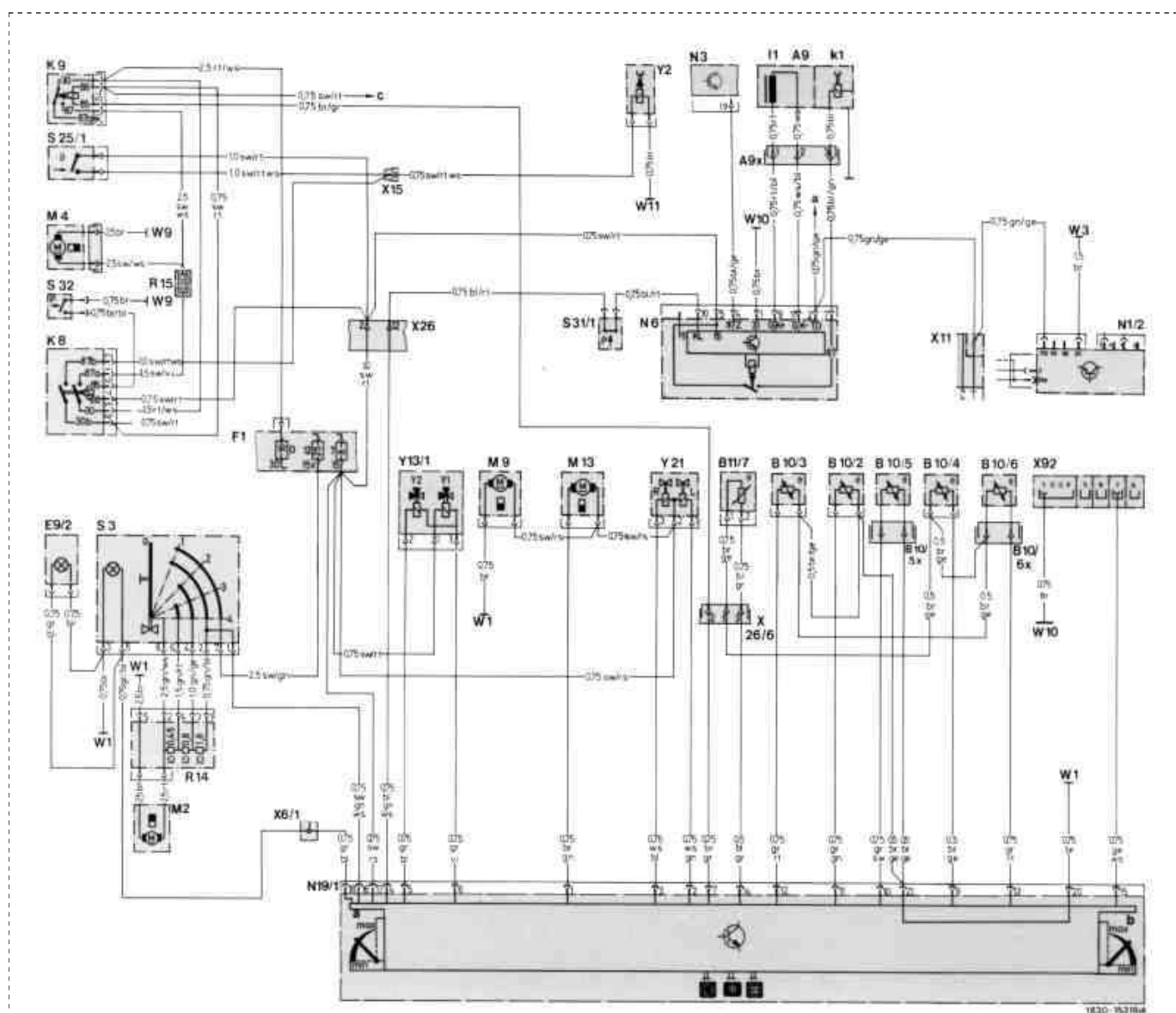
Grounding point without designation, component directly on engine or body

X11 Diagnostic socket/connector terminal TD
X15 Plug connector engine fan/temperature switch 100 °C
X26 Plug connector, passenger compartment/engine, 12-pole



Model 124.023 standard version from August 1985 to August 1987

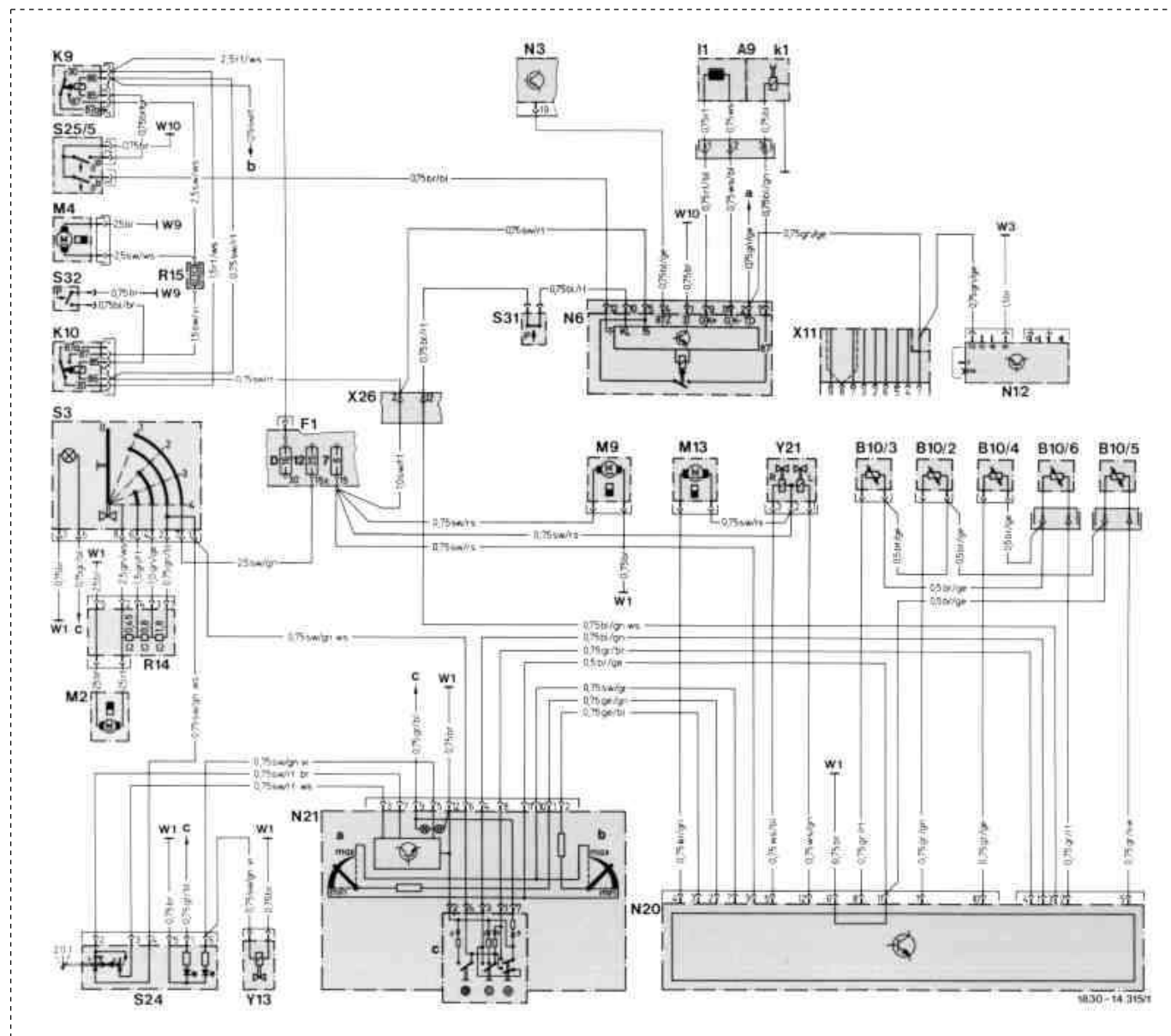
A9	Refrigerant compressor	N1/2	Control unit, transistorized ignition (electronic ignition control)
A9k1	Electromagnetic clutch	N3	CIS-E control unit
A9l1	Speed sensor	N6	Control unit, compressor shutoff
B10/2	Temperature sensor, heat exchanger, left	N20	Control unit, automatic temperature control
B10/3	Temperature sensor, heat exchanger, right	N21	Operating unit, automatic temperature control
B10/4	Temperature sensor, in-car air	a	Temperature selector wheel, left
B10/5	Temperature sensor, outside air	b	Temperature selector wheel, right
B10/6	Temperature sensor, evaporator	c	Air-conditioner switch
F1	Fuse and relay box	R14	Preresistor group, blower motor
K8	Double contact relay for auxiliary fan, magnetic clutch for engine fan	R15	Preresistor, auxiliary fan
K9	Relay, auxiliary fan	S3	Air volume switch
M2	Blower motor	S24	Fresh air/recirculated air switch
M4	Auxiliary fan	S25/3	Temperature switch 110 °C
M9	Ventilation fan, temperature sensor, in-car air	S25/4	Temperature switch 100/110 °C
M13	Circulation pump	a	100 °C for electromagnetic clutch engine fan
		b	110 °C for auxiliary fan
		S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
		S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
W1	Main ground (behind instrument cluster)	X11	Diagnostic socket/connector terminal TD
W3	Ground, wheel well, front left (ignition coil)	X15	Plug connector engine fan/temperature switch 100 °C
W9	Ground, front left (near headlight unit)	X26	Plug connector, passenger compartment/engine, 12-pole
W10	Ground, battery	Y2	Electromagnetic clutch, engine fan
W11	Ground, engine (bolt-on point for ground wires)	Y13	Switch-over valve, fresh air/recirculated air flap
Grounding point without designation, component directly on engine or body		Y21	Duo valve
		a	Relay connector, fuel pump socket 10
		b	Windshield washer nozzle heater, left
		c	X6 Cable connector, terminal 58d, 2-pole



Models 124.023/043/083 RÜF/KAT as of September 1987

A9	Refrigerant compressor	N1/2	Control unit, transistorized ignition (electronic ignition control)
A9k1	Electromagnetic clutch		
A9l1	Speed sensor	N3	CIS-E control unit
A9x	Plug connector, refrigerant compressor	N6	Control unit, compressor shutoff
B10/2	Temperature sensor, heat exchanger, left	N19/1	Automatic temperature control unit
B10/3	Temperature sensor, heat exchanger, right	R14	Preresistor group, blower motor
B10/4	Temperature sensor, in-car air	R15	Preresistor, auxiliary fan
B10/5	Temperature sensor, outside air	S3	Air volume switch
B10/5x	Plug connector, temperature sensor, outside air	S25/1	Temperature switch 100 °C
B10/6	Temperature sensor, evaporator	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
B10/6x	Plug connector, temperature sensor, evaporator		
B11/7	Temperature sensor, coolant (blue)	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
E9/2	Air distribution switch illumination		
F1	Fuse and relay box	W1	Main ground (behind instrument cluster)
K8	Double contact relay, auxiliary fan, magnetic clutch, engine fan	W3	Ground, wheel well, front left (ignition coil)
K9	Relay, auxiliary fan	W9	Ground, front left (near headlight unit)
M2	Blower motor	W10	Ground, battery
M4	Auxiliary fan	W11	Ground, engine (bolt-on point for ground wires)
M9	Ventilation blower, temperature sensor, in-car air		
M13	Circulation pump		Grounding point without designation, component directly on engine or body
X6/1	Terminal block, terminal 58D 1-pole	Y2	Electromagnetic clutch, engine fan
X11	Diagnostic socket/connector terminal TD	Y13/1	Switch-over valve connector block, fresh air/recirculated air flap 2-position
X15	Plug connector engine fan/temperature switch 100 °C		
X26	Plug connector, passenger compartment/engine, 12-pole	Y13/1y1	Switch-over valve, long stroke
		Y13/1y2	Switch-over valve, short stroke
X26/6	Plug connector, engine cable harness, Tempmatic, 3-pole	Y21	Duo valve
X92	Diagnostic test connector, 8-pole (flash code)		
		a	Relay connector, fuel pump socket 10
		c	To windshield washer nozzle heater, left

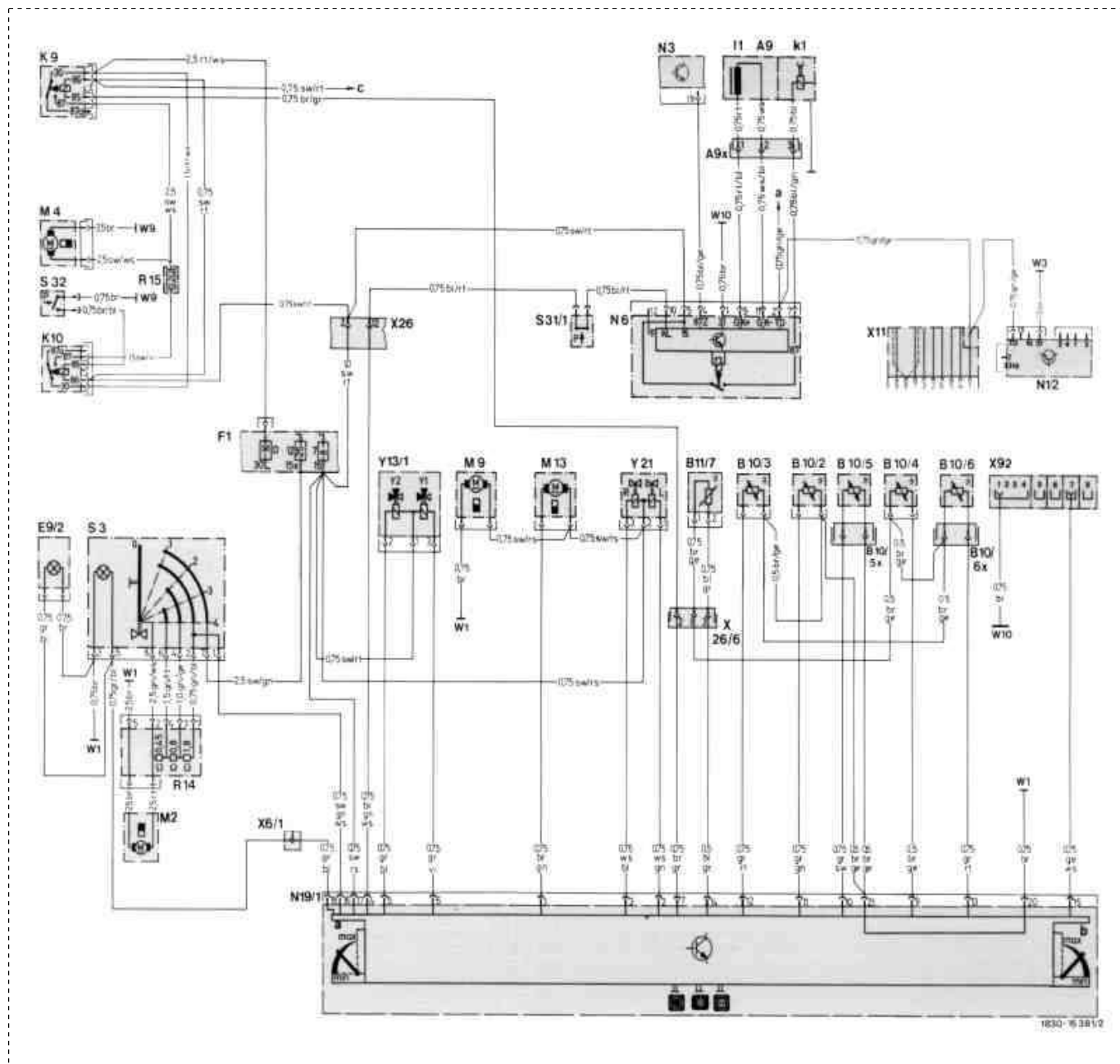
W1	Main ground (behind instrument cluster)	X11	Diagnostic socket/connector terminal TD
W3	Ground, wheel well, front left (ignition coil)	X26	Plug connector, passenger compartment/engine, 12-pole
W9	Ground, front left (near headlight unit)	Y13	Switch-over valve, fresh air/recirculated air flap
W10	Ground, battery	Y21	Duo valve
Grounding point without designation, component directly on engine or body		a	X6 Cable connector, terminal 58d, 2-pole



Model 124.026/030 RUF/KAT from August 1985 to August 1987

A9	Refrigerant compressor	N1/2	Control unit, transistorized ignition (electronic ignition control)
A9k1	Electromagnetic clutch	N3	CIS-E control unit
A9l1	Speed sensor	N6	Control unit, compressor shutoff
B10/2	Temperature sensor, heat exchanger, left	N20	Control unit, automatic temperature control
B10/3	Temperature sensor, heat exchanger, right	N21	Operating unit, automatic temperature control
B10/4	Temperature sensor, in-car air	a	Temperature selector wheel, left
B10/5	Temperature sensor, outside air	b	Temperature selector wheel, right
B10/6	Temperature sensor, evaporator	c	Air-conditioner switch
F1	Fuse and relay box	R14	Preresistor group, blower motor
K9	Relay, auxiliary fan	R15	Preresistor, auxiliary fan
K10	Relay, auxiliary fan preresistor	S3	Air volume switch
M2	Blower motor	S24	Fresh air/recirculated air switch
M4	Auxiliary fan	S25/5	Temperature switch 105/115 °C
M9	Ventilation blower, temperature sensor, in-car air	a	105 °C for auxiliary fan
M13	Circulation pump	b	115 °C for compressor/emergency shutoff
		S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ ON 2.6 bars
		S32	Pressure switch, auxiliary fan OFF 15.0 bars/ ON 20.0 bars

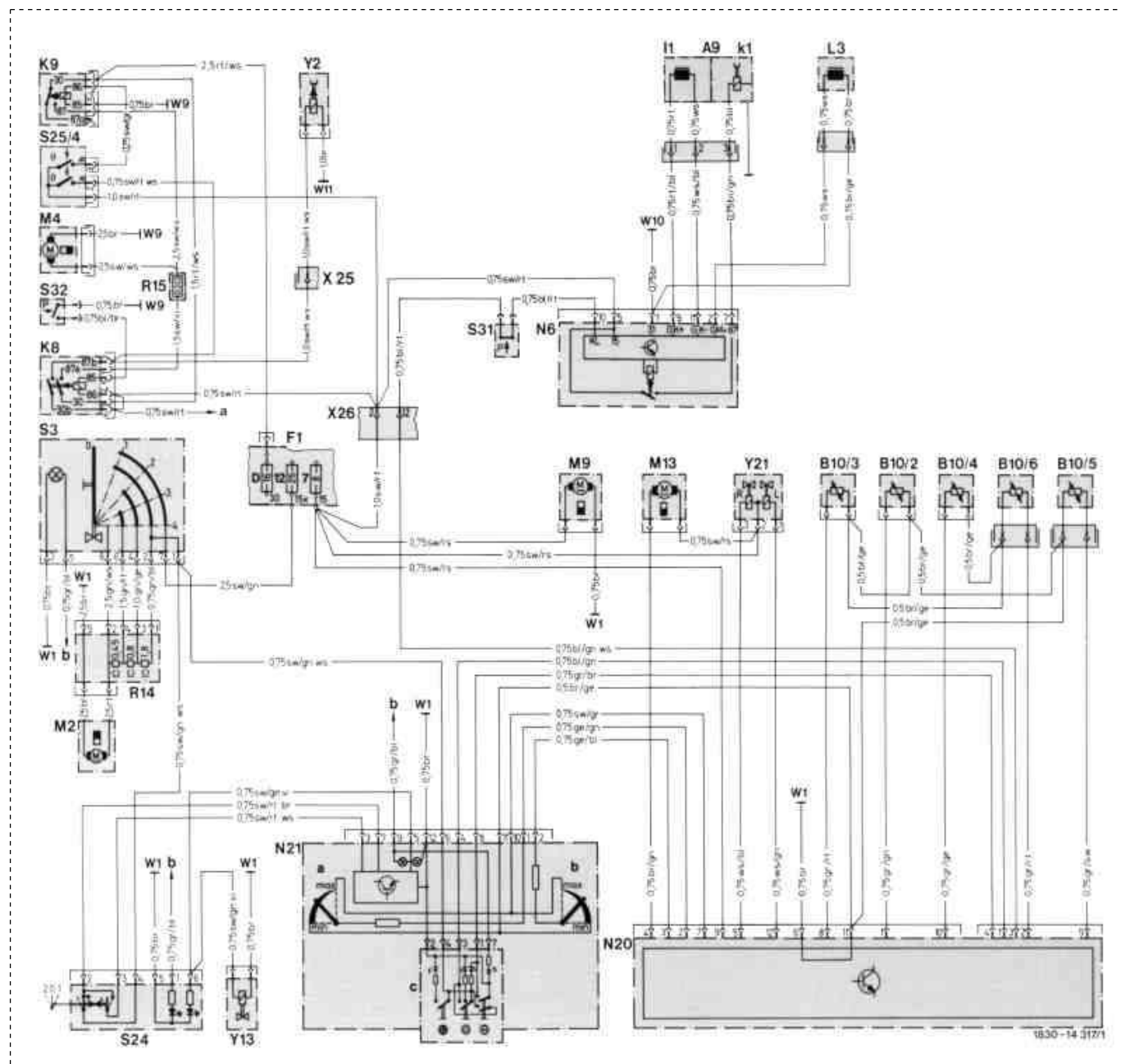
W1	Main ground (behind instrument cluster)	X11	Diagnostic socket/connector terminal TD
W3	Ground, wheel well, front left (ignition coil)	X26	Plug connector, passenger compartment/engine, 12-pole
W9	Ground, front left (near headlight unit)	Y13	Switch-over valve, fresh air/recirculated air flap
W10	Ground, battery	Y21	Duo valve
Grounding point without designation, component directly on engine or body			
	a		Relay connector, fuel pump socket 10
	b		Windshield washer nozzle heater, left
	c		X6 Cable connector, terminal 58d, 2-pole



Models 124.026/030/050/090/226/230/290 as of September 1987

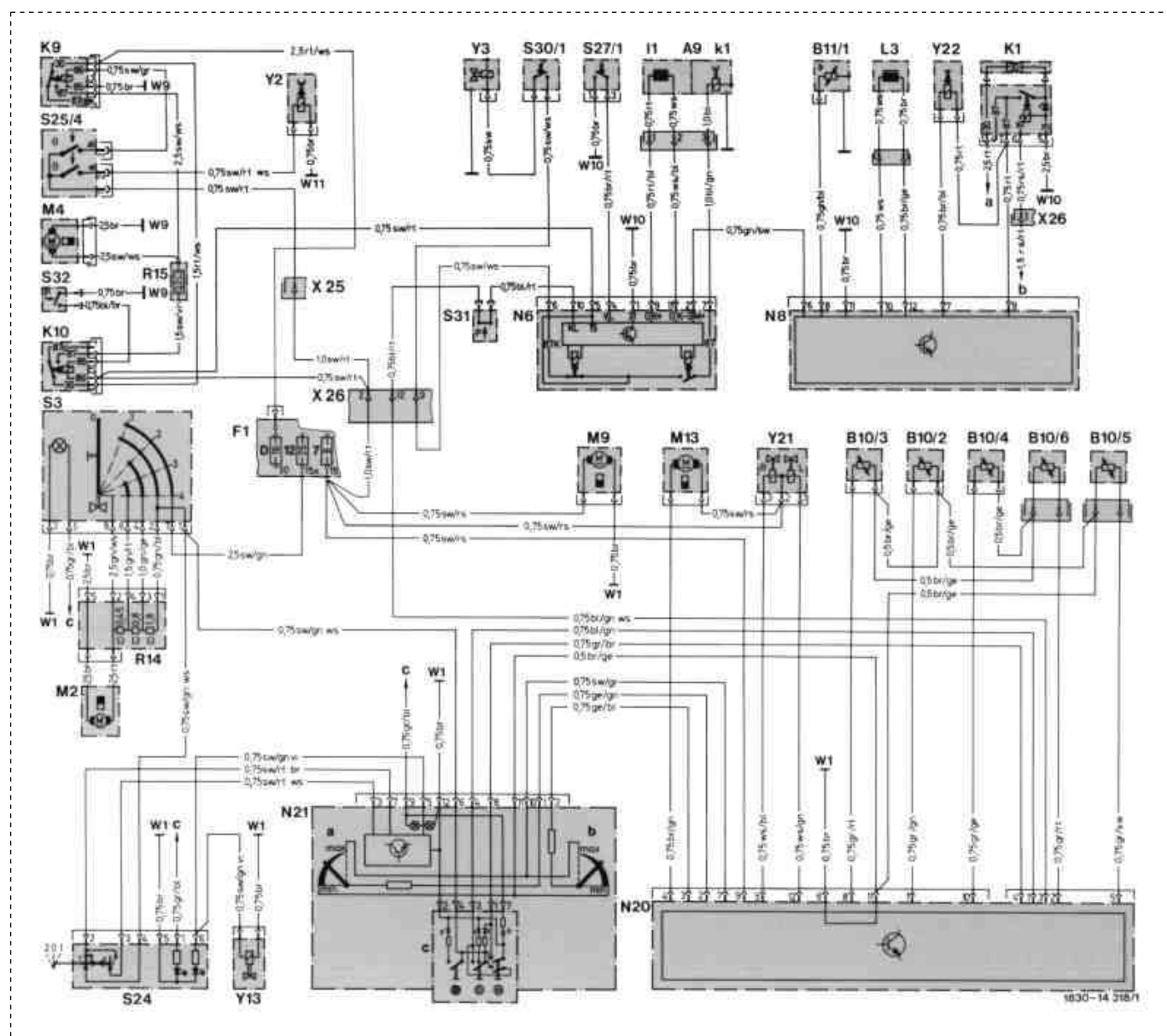
A9	Refrigerant compressor	M2	Blower motor
A9k1	Electromagnetic clutch	M4	Auxiliary fan
A9l1	Speed sensor	M9	Ventilation blower, temperature sensor, in-car air
A9x	Plug connector, refrigerant compressor	M13	Circulation pump
B10/2	Temperature sensor, heat exchanger, left	N1/2	Control unit, transistorized ignition (electronic ignition control)
B10/3	Temperature sensor, heat exchanger, right	N3	CIS-E control unit
B10/4	Temperature sensor, in-car air	N6	Control unit, compressor shutoff
B10/5	Temperature sensor, outside air	N19/1	Automatic temperature control and operating unit
B10/5x	Plug connector, temperature sensor, outside air	R14	Preresistor group, blower motor
B10/6	Temperature sensor, evaporator	R15	Preresistor, auxiliary fan
B10/6x	Plug connector, temperature sensor, evaporator	S3	Air volume switch
B11/7	Temperature sensor, coolant (blue)	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
E9/2	Air distribution switch illumination	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
F1	Fuse and relay box		
K9	Relay, auxiliary fan		
K10	Relay, auxiliary fan preresistor		

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N20	Control unit, automatic temperature control
A9l1	Speed sensor	N21	Operating unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	a	Temperature selector wheel, left
B10/3	Temperature sensor, heat exchanger, right	b	Temperature selector wheel, right
B10/4	Temperature sensor, in-car air	c	Air-conditioner switch
B10/5	Temperature sensor, outside air	R14	Preresistor group, blower motor
B10/6	Temperature sensor, evaporator	R15	Preresistor, auxiliary fan
F1	Fuse and relay box	S3	Air volume switch
K9	Relay, auxiliary fan	S24	Fresh air/recirculated air switch
K10	Relay, auxiliary fan preresistor	S25/4	Temperature switch 100/110 °C
L3	Speed sensor, starter ring gear	a	100 °C for electromagnetic clutch, engine fan
M2	Blower motor	b	110 °C for auxiliary fan
M4	Auxiliary fan	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ ON 2.6 bars
M9	Ventilation blower, temperature sensor, in-car air	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ ON 20.0 bars
M13	Circulation pump		
W1	Main ground (behind instrument cluster)	X25	Plug connector, preglow cable harness
W9	Ground, front left (near headlight unit)	X26	Plug connector, passenger compartment/engine, 12- pole
W10	Ground, battery	Y2	Electromagnetic clutch, engine fan
W11	Ground, engine (bolt-on point for ground wires)	Y13	Switch-over valve, fresh air/recirculated air flap
	Grounding point without designation, component directly on engine or body	Y21	Duo valve
		a	X6 Cable connector, terminal 58d, 2-pole



Model 124.180 with manual transmission from August 1985 to August 1987

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N20	Control unit, automatic temperature control
A9l1	Speed sensor	N21	Operating unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	a	Temperature selector wheel, left
B10/3	Temperature sensor, heat exchanger, right	b	Temperature selector wheel, right
B10/4	Temperature sensor, in-car air	c	Air-conditioner switch
B10/5	Temperature sensor, outside air	R14	Preresistor group, blower motor
B10/6	Temperature sensor, evaporator	R15	Preresistor, auxiliary fan
F1	Fuse and relay box	S3	Air volume switch
K8	Double contact relay, auxiliary fan, magnetic clutch, engine fan	S24	Fresh air/recirculated air switch
K9	Relay, auxiliary fan	S25/4	Temperature switch 100/110 °C
L3	Speed sensor, starter ring gear	a	100 °C for electromagnetic clutch, engine fan
M2	Blower motor	b	110 °C for auxiliary fan
M4	Auxiliary fan	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
M9	Ventilation blower, temperature sensor, in-car air	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
M13	Circulation pump		
W1	Main ground (behind instrument cluster)	X25	Plug connector, preglow cable harness
W9	Ground, front left (near headlight unit)	X26	Plug connector, passenger compartment/engine, 12-pole
W10	Ground, battery	Y2	Electromagnetic clutch, engine fan
W11	Ground, engine (bolt-on point for ground wires)	Y13	Switch-over valve, fresh air/recirculated air flap
	Grounding point without designation, component directly on engine or body	Y21	Duo valve
		a	Windshield washer nozzle heater, left
		b	X6 Cable connector, terminal 58d, 2-pole



Models 124.120 with automatic transmission up to July 1985

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N20	Control unit, automatic temperature control
A9l1	Speed sensor	N21	Operating unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	R14	Preresistor group, blower motor
B10/3	Temperature sensor, heat exchanger, right	R15	Preresistor, auxiliary fan
B10/4	Temperature sensor, in-car air	S3	Air volume switch
B10/5	Temperature sensor, outside air	S24	Fresh air/recirculated air switch
B10/6	Temperature sensor, evaporator	S25/4	Temperature switch 100/110 °C a 100 °C for electromagnetic clutch, engine fan b 110 °C for auxiliary fan
B11/1	Temperature sensor, coolant (ELR)	S27/1	Microswitch, compressor shutoff
F1	Fuse and relay box	S30/1	Kick-down switch
K1	Overvoltage protection relay	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
K9	Relay, auxiliary fan	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
K10	Relay auxiliary fan preresistor		
L3	Speed sensor, starter ring gear		
M2	Blower motor		
M4	Auxiliary fan		
M9	Ventilation blower, temperature sensor, in-car air		
M13	Circulation pump		
W1	Main ground (behind instrument cluster)	Y2	Electromagnetic clutch, engine fan
W9	Ground, front left (near headlight unit)	Y3	Switch-over valve, automatic transmission
W10	Ground, battery	Y13	Switch-over valve, fresh air/recirculated air flap
W11	Ground, engine (bolt-on point for ground wires)	Y21	Duo valve
		Y22	Electronic idle speed control solenoid
Grounding point without designation, component directly on engine or body			
X25	Plug connector, preglow cable harness	a	X35 Connector terminal 30
X26	Plug connector, passenger compartment/engine, 12-pole	b	Fuse and relay box, terminal 15, not fused
		c	X6 Cable connector, terminal 58d, 2-pole

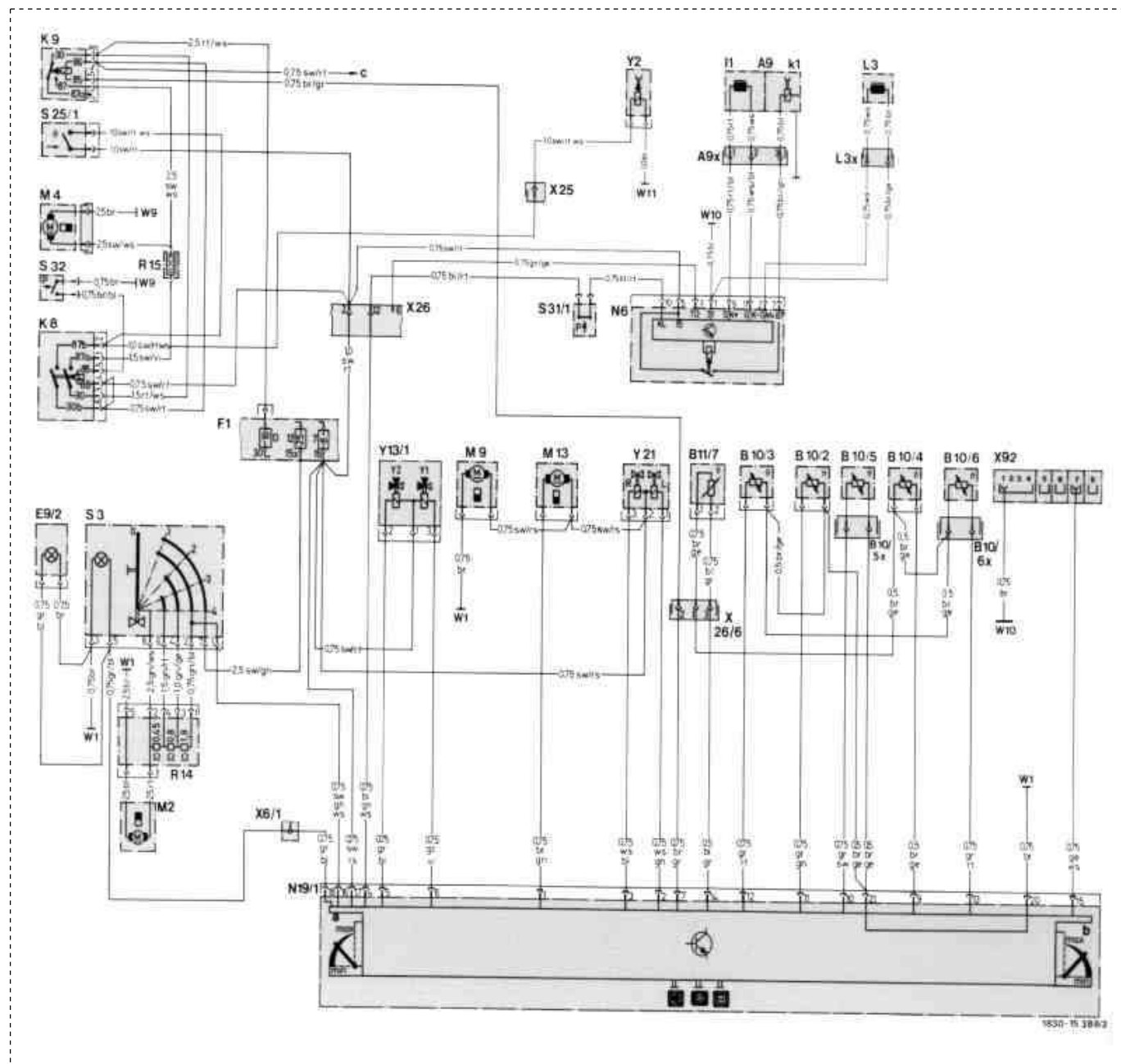
W1 Main ground (behind instrument cluster)
W9 Ground, front left (near headlight unit)
W10 Ground, battery
W11 Ground, engine (bolt-on point for ground wires)

Y2 Electromagnetic clutch, engine fan
Y3 Switch-over valve, automatic transmission
Y13 Switch-over valve, fresh air/recirculated air flap
Y21 Duo valve
Y22 Electronic idle speed control solenoid

Grounding point without designation, component directly on engine or body

X25 Plug connector, preglow cable harness
X26 Plug connector, passenger compartment/engine, 12-pole
Y29/4 Test connector TD (EDS), 1-pole

a X35 Connector terminal 30
b Fuse and relay box, terminal 15, not fused
c Windshield washer nozzle heater, left
d X6 Cable connector, terminal 58d, 2-pole



Models 124.120/180 with manual transmission as of 1987

A9 Refrigerant compressor
A9k1 Electromagnetic clutch
A9l1 Speed sensor
A9x Plug connector, refrigerant compressor
B10/2 Temperature sensor, heat exchanger, left
B10/3 Temperature sensor, heat exchanger, right
B10/4 Temperature sensor, in-car air
B10/5 Temperature sensor, outside air
B10/5x Plug connector, temperature sensor, outside air
B10/6 Temperature sensor, evaporator
B10/6x Plug connector, temperature sensor, evaporator
B11/7 Temperature sensor, coolant (blue)
E9/2 Air distributor switch illumination
F1 Fuse and relay box
K8 Double contact relay, auxiliary fan, magnetic clutch, engine fan
K9 Relay, auxiliary fan
L3 Speed sensor, starter ring gear
L3x Plug connector, speed sensor, starter ring gear

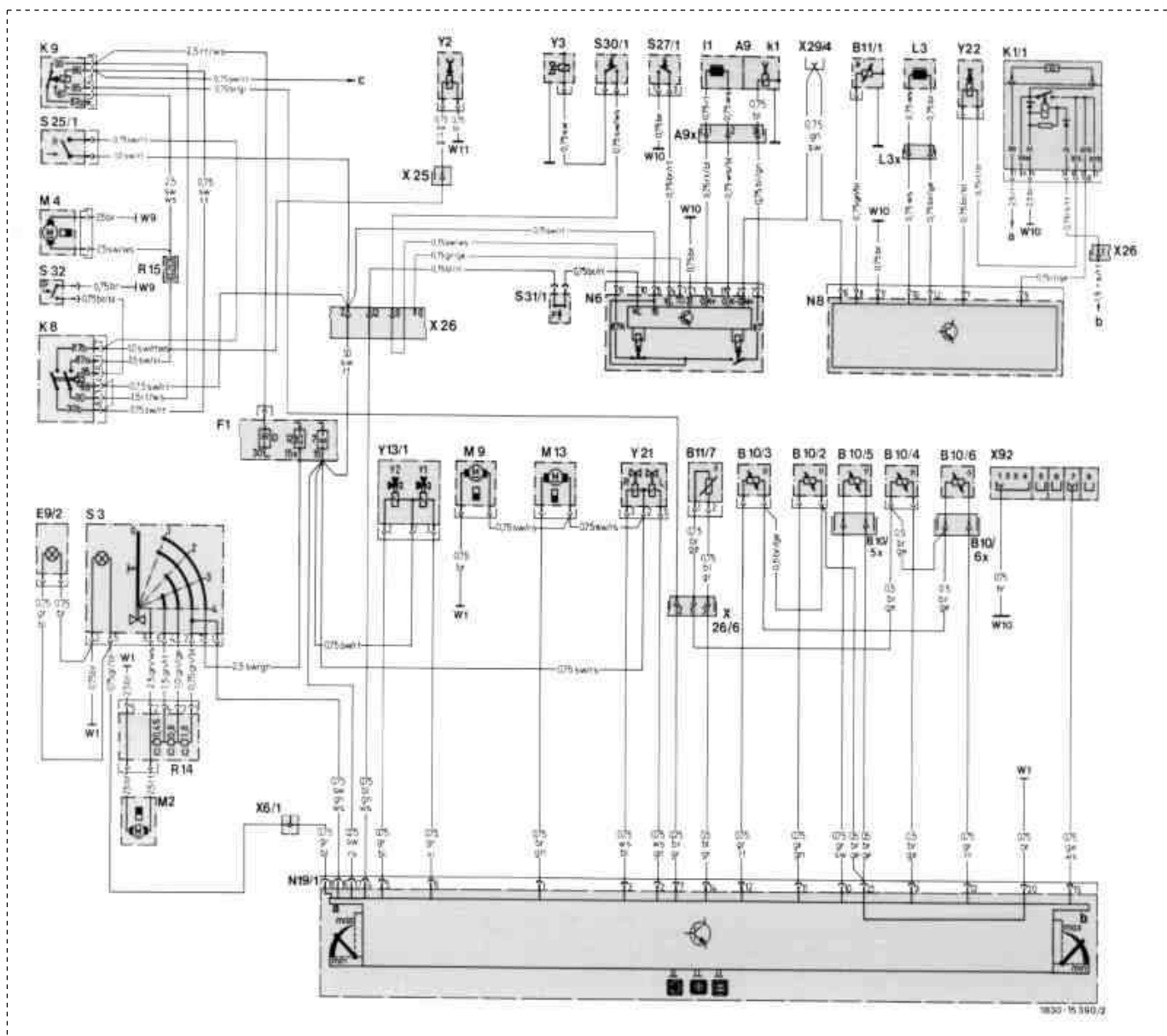
M2 Blower motor
M4 Auxiliary fan
M9 Ventilation blower, temperature sensor, in-car air
M13 Circulation pump
N6 Control unit, compressor shutoff
N19/1 Tempmatic control and operating unit
R14 Preresistor group, blower motor
R15 Preresistor, auxiliary fan
S3 Air volume switch
S25/1 Temperature switch 100 °C
S31/1 Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
S32 Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
W1 Main ground (behind instrument cluster)
W9 Ground, front left (near headlight unit)
W10 Ground, battery
W11 Ground, engine (bolt-on point for ground wires)

Grounding point without designation, component directly on engine or body

X6/1 Terminal block, terminal 58D 1-pole
X25 Plug connector, preglow cable harness
X26 Plug connector, passenger compartment/engine, 12-pole
X26/6 Plug connector, engine cable harness, automatic temperature control, 3-pole
X92 Diagnostic test connector, 8-pole (flash code)

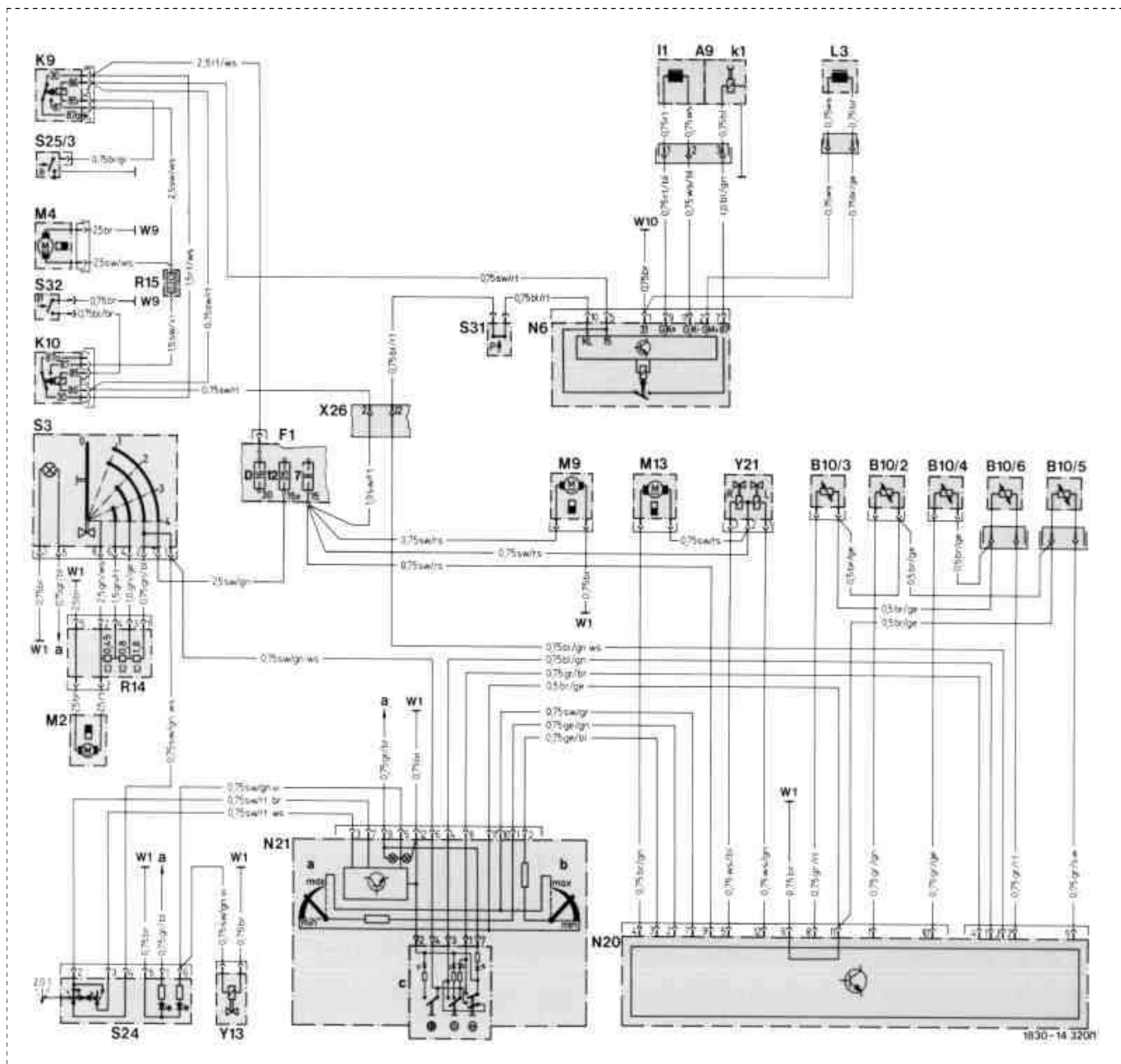
Y2 Electromagnetic clutch, engine fan
Y13/1 Switch-over valve connector block, fresh air/recirculated air flap 2-position
Y13/1y1 Switch-over valve, long stroke
Y13/1y2 Switch-over valve, short stroke
Y21 Duo valve

c To windshield washer nozzle heater, left



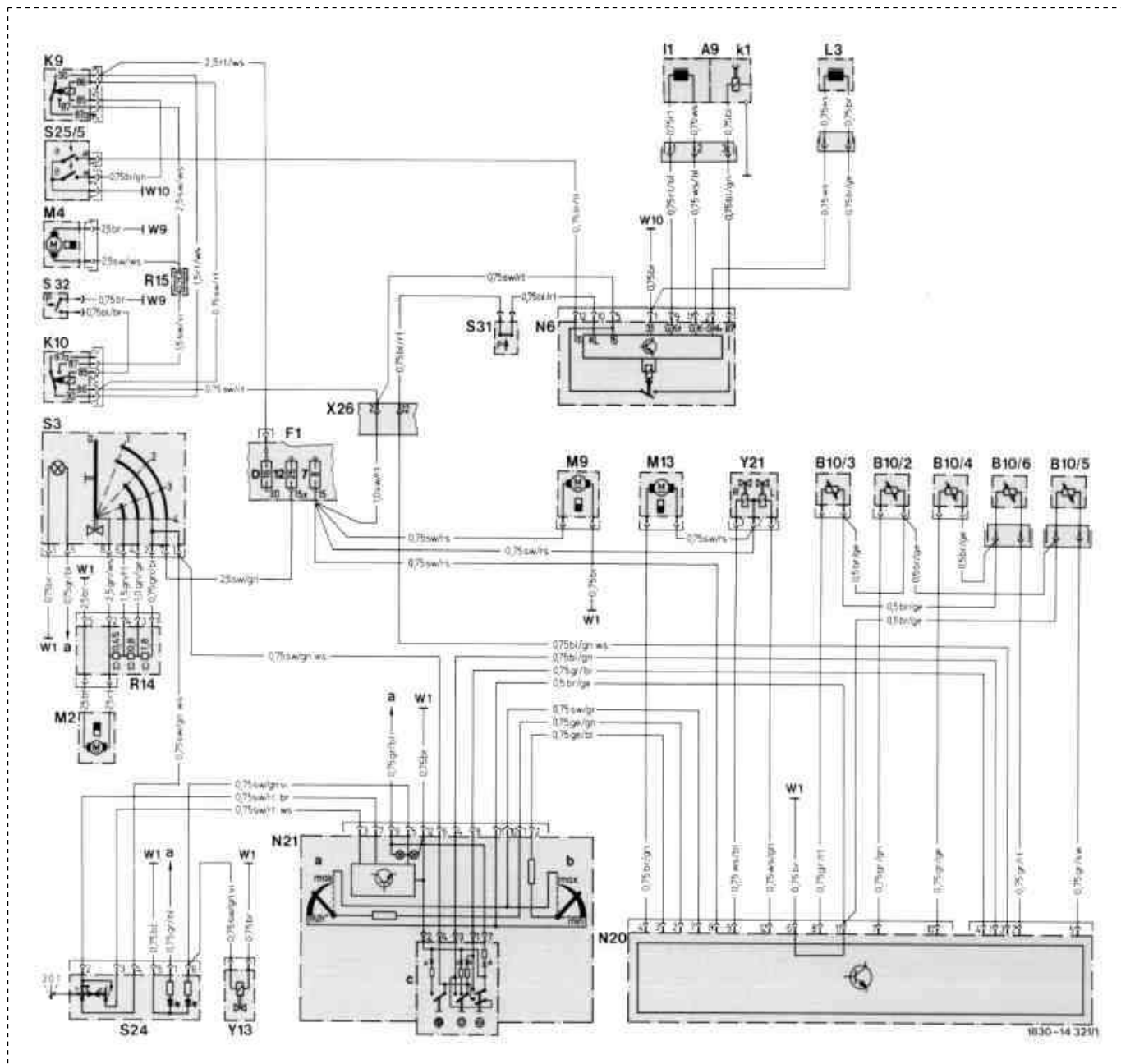
Models 124.120/180 with automatic transmission as of September 1987

A9	Refrigerant compressor	M2	Blower motor
A9k1	Electromagnetic clutch	M4	Auxiliary fan
A9l1	Speed sensor	M9	Ventilation blower, temperature sensor, in-car air
A9x	Plug connector, refrigerant compressor	M13	Circulation pump
B10/2	Temperature sensor, heat exchanger, left	N6	Control unit, compressor shutoff
B10/3	Temperature sensor, heat exchanger, right	N8	Idle speed control unit
B10/4	Temperature sensor, in-car air	N19/1	Tempmatic control and operating unit
B10/5	Temperature sensor, outside air	R14	Preresistor group, blower motor
B10/5x	Plug connector, temperature sensor, outside air	R15	Preresistor, auxiliary fan
B10/6	Temperature sensor, evaporator	S3	Air volume switch
B10/6x	Plug connector, temperature sensor, evaporator	S25/1	Temperature switch 100 °C
B11/1	Coolant temperature sensor (ELR)	S27/1	Compressor shutoff microswitch
B11/7	Temperature sensor, coolant (blue)	S30/1	Kick-down switch
E9/2	Air distributor switch illumination	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
F1	Fuse and relay box	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
K1/1	Overvoltage protection relay, 87 E/87L (7-pole)	W1	Main ground (behind instrument cluster)
K8	Double contact relay, auxiliary fan, magnetic clutch, engine fan	W9	Ground, front left (near headlight unit)
K9	Relay, auxiliary fan	W10	Ground, battery
L3	Speed sensor, starter ring gear	W11	Ground, engine (bolt-on point for ground wires)
L3x	Plug connector, speed sensor, starter ring gear		
			Grounding point without designation, component directly on engine or body
X6/1	Terminal block, terminal 58D 1-pole	Y2	Electromagnetic clutch, engine fan
X25	Plug connector, preglow cable harness	Y3	Switch-over valve, automatic transmission
X26	Plug connector, passenger compartment/engine, 12-pole	Y13/1	Switch-over valve connector block, fresh air/ recirculated air flap 2-position
X26/6	Plug connector, engine cable harness, Tempmatic , 3-pole	Y13/1y1	Switch-over valve, long stroke
X29/4	Test coupling TD (EDS), 1-pole	Y13/1y2	Switch-over valve, short stroke
X92	Diagnostic test connector, 8-pole (flash code)	Y21	Duo valve
		Y22	Electronic idle speed control solenoid
		a	X35 Connector terminal 30
		b	Fuse and relay box, terminal 15, not fused
		c	To windshield washer nozzle heater, left



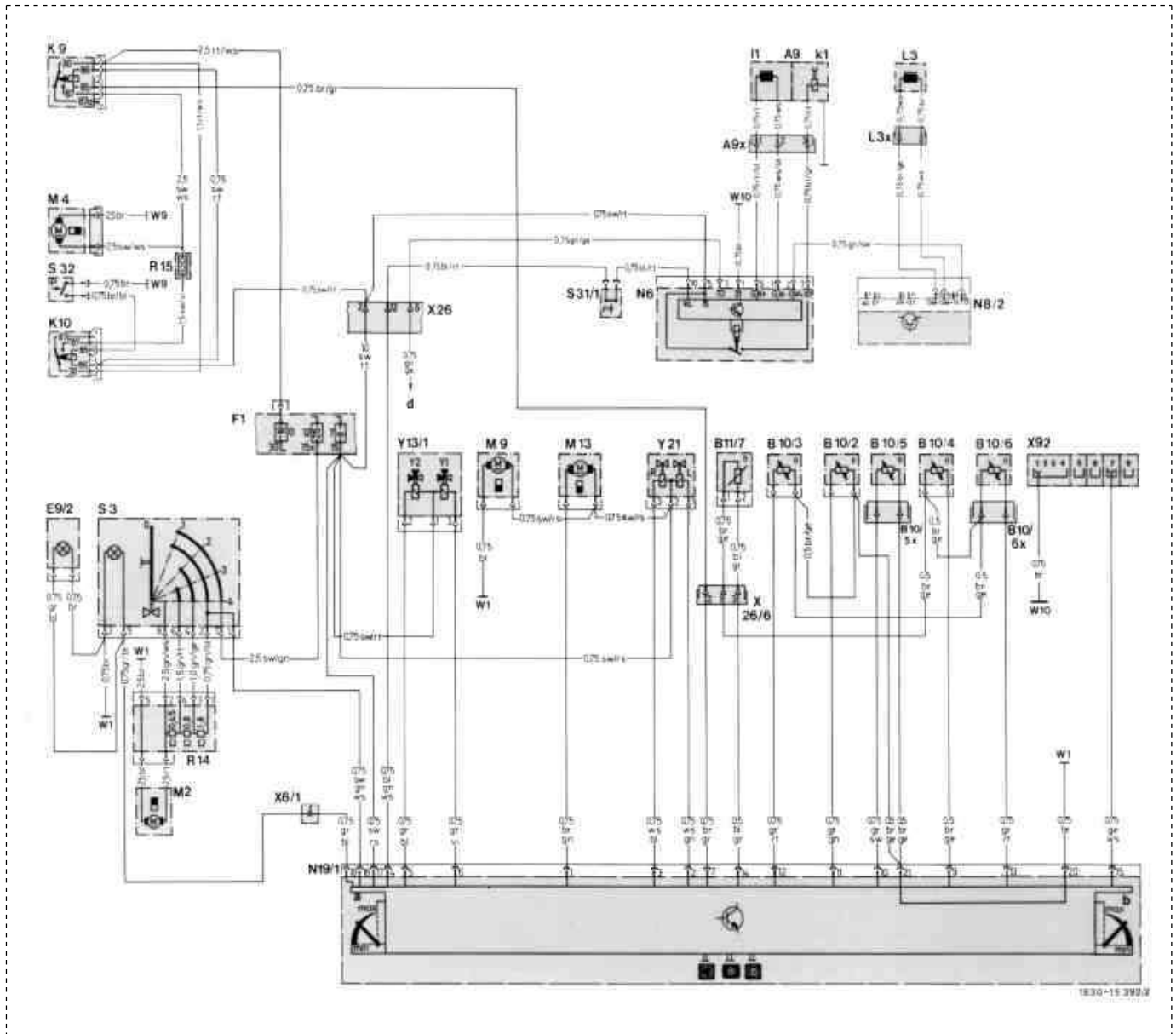
Model 124.125 with manual transmission up to July 1985

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N20	Control unit, automatic temperature control
A9l1	Speed sensor	N21	Operating unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	a	Temperature selector wheel, left
B10/3	Temperature sensor, heat exchanger, right	b	Temperature selector wheel, right
B10/4	Temperature sensor, in-car air	c	Air-conditioner switch
B10/5	Temperature sensor, outside air	R14	Preresistor group, blower motor
B10/6	Temperature sensor, evaporator	R15	Preresistor, auxiliary fan
F1	Fuse and relay box	S3	Air volume switch
K9	Relay, auxiliary fan	S24	Fresh air/recirculated air switch
K10	Relay, auxiliary fan preresistor	S25/3	Temperature switch 110 °C
L3	Speed sensor, starter ring gear	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
M2	Blower motor	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
M4	Auxiliary fan		
M9	Ventilation blower, temperature sensor, in-car air		
M13	Circulation pump		
W1	Main ground (behind instrument cluster)	X26	Plug connector, passenger compartment/engine, 12-pole
W9	Ground, front left (near headlight unit)	Y13	Switch-over valve, fresh air/recirculated air flap
W10	Ground, battery	Y21	Duo valve
	Grounding point without designation, component directly on engine or body	a	X6 Cable connector, terminal 58d, 2-pole



Model 124.125/185 with manual transmission from August 1985 to August 1987

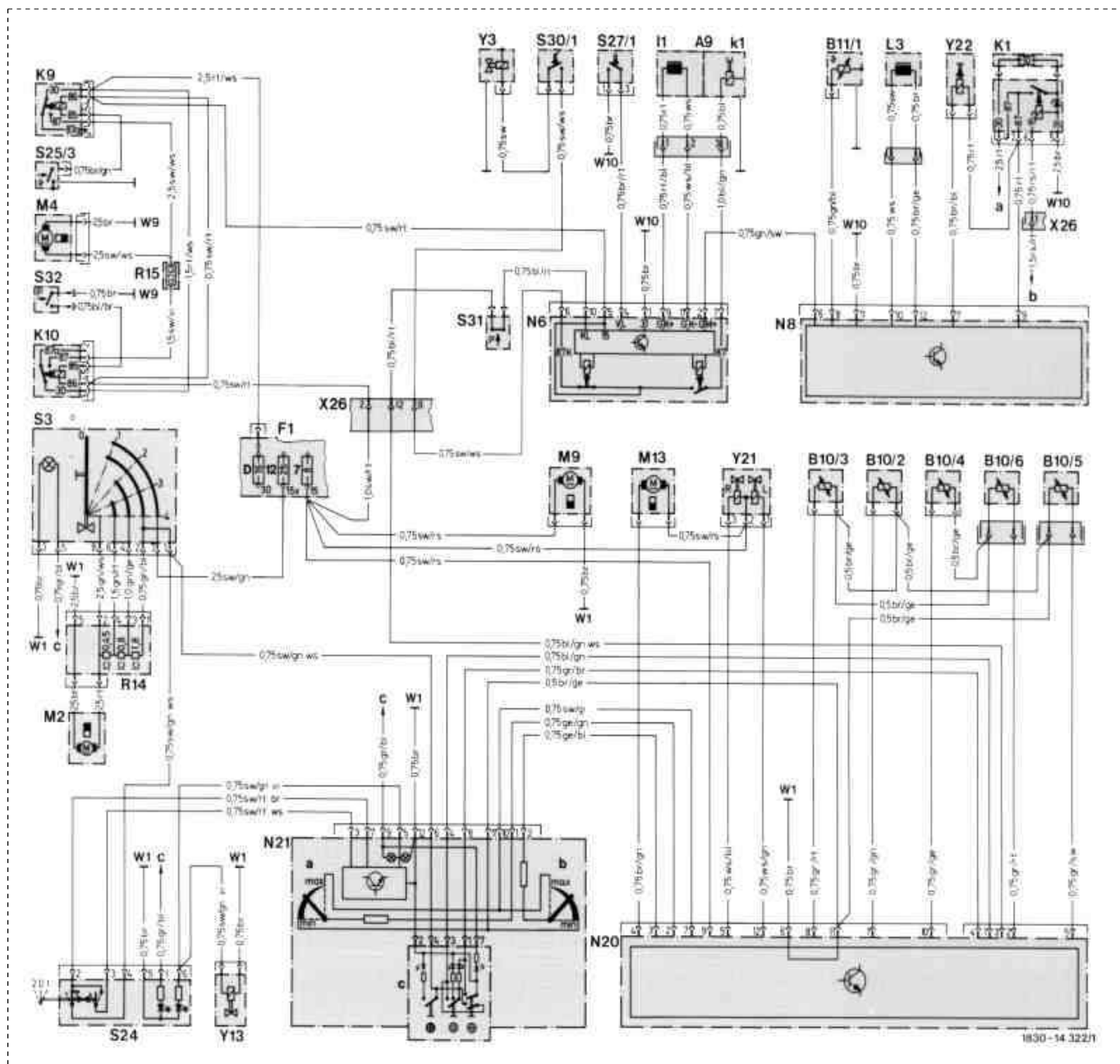
A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N20	Control unit, automatic temperature control
A91	Speed sensor	N21	Operating unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	a	Temperature selector wheel, left
B10/3	Temperature sensor, heat exchanger, right	b	Temperature selector wheel, right
B10/4	Temperature sensor, in-car air	c	Air-conditioner switch
B10/5	Temperature sensor, outside air	R14	Preresistor group, blower motor
B10/6	Temperature sensor, evaporator	R15	Preresistor, auxiliary fan
F1	Fuse and relay box	S3	Air volume switch
K9	Relay, auxiliary fan	S24	Fresh air/recirculated air switch
K10	Relay, auxiliary fan preresistor	S25/5	Temperature switch 105/115 °C
L3	Speed sensor, starter ring gear	a	105 °C for auxiliary fan
M2	Blower motor	b	115 °C for compressor/emergency cut-off
M4	Auxiliary fan	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
M9	Ventilation blower, temperature sensor, in-car air	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
M13	Circulation pump		
W1	Main ground (behind instrument cluster)	X26	Plug connector, passenger compartment/engine, 12-pole
W9	Ground, front left (near headlight unit)	Y13	Switch-over valve, fresh air/recirculated air flap
W10	Ground, battery	Y21	Duo valve
Grounding point without designation, component directly on engine or body		a	X6 Cable connector, terminal 58d, 2-pole



Models 124, 125/185 with manual transmission as of September 1987

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N8/2	Anti-jerk (ARA) control unit
A9l1	Speed sensor	N19/1	Tempmatic control and operating unit
A9x	Connector, refrigerant compressor	R14	Preresistor group, blower motor
B10/2	Temperature sensor, heat exchanger, left	R15	Preresistor, auxiliary fan
B10/3	Temperature sensor, heat exchanger, right	S3	Air volume switch
B10/4	Temperature sensor, in-car air	S24	Fresh/recirculated air switch
B10/5	Temperature sensor, outside air	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
B10/5x	Plug connector, temperature sensor, outside air	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
B10/6	Temperature sensor, evaporator	W1	Main ground (behind instrument cluster)
B10/6x	Plug connector, temperature sensor, evaporator	W9	Ground, front left (near headlight unit)
B11/7	Temperature sensor, coolant (blue)	W10	Ground, battery
E9/2	Air distributor switch illumination		
F1	Fuse and relay box		
K9	Relay, auxiliary fan		
K10	Relay, auxiliary fan preresistor		
L3	Speed sensor, starter ring gear		
L3x	Plug connector, speed sensor, starter ring gear		
M2	Blower motor		
M4	Auxiliary fan		
M9	Ventilation blower, temperature sensor, in-car air		
M13	Circulation pump		
X6/1	Terminal block, terminal 58D 1-pole	Y13/1	Switch-over valve connector block, fresh air/recirculated air flap 2-position
X26	Plug connector, passenger compartment/engine, 12-pole	Y13/1y1	Switch-over valve, long stroke
X26/6	Plug connector, engine cable harness, automatic temperature control, 3-pole	Y13/1y2	Switch-over valve, short stroke
X92	Diagnostic test connector, 8-pole (flash code)	Y21	Duo valve

d To tachometer A1p7

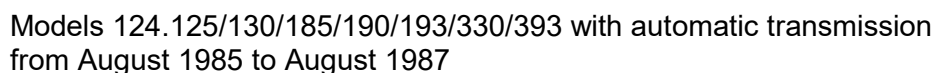


Model 124.125/130 with automatic transmission up to July 1985

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N8	Idle speed control unit
A9l1	Speed sensor	N20	Control unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	N21	Operating unit, automatic temperature control
B10/3	Temperature sensor, heat exchanger, right	R14	Preresistor group, blower motor
B10/4	Temperature sensor, in-car air	R15	Preresistor, auxiliary fan
B10/5	Temperature sensor, outside air	S3	Air volume switch
B10/6	Temperature sensor, evaporator	S24	Fresh air/recirculated air switch
B11/1	Temperature sensor, coolant (ELR)	S25/3	Temperature switch 110 °C
F1	Fuse and relay box	S27/1	Microswitch, compressor shutoff
K1	Overvoltage protection relay	S30/1	Kick-down switch
K9	Relay, auxiliary fan	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
K10	Relay, auxiliary fan preresistor	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
L3	Speed sensor, starter ring gear		
M2	Blower motor		
M4	Auxiliary fan		
M9	Ventilation blower, temperature sensor, in-car air		
M13	Circulation pump		

Y3	Switch-over valve, automatic transmission
Y13	Switch-over valve, fresh air/recirculated air flap
Y21	Duo valve
Y22	Electronic idle speed control solenoid

a	X35 Cable connector terminal 30
b	Fuse and relay box, terminal 15, not fused
c	X6 Cable connector, terminal 58d, 2-pole



A9 Refrigerant compressor
 A9k1 Electromagnetic clutch
 A9l1 Speed sensor
 B10/2 Temperature sensor, heat exchanger, left
 B10/3 Temperature sensor, heat exchanger, right
 B10/4 Temperature sensor, in-car air
 B10/5 Temperature sensor, outside air
 B10/6 Temperature sensor, evaporator
 B11/1 Coolant temperature sensor (ELR)
 F1 Fuse and relay box
 K1 Relay, overvoltage protection
 K9 Relay, auxiliary fan
 K10 Relay, auxiliary fan preresistor
 L3 Speed sensor, starter ring gear
 M2 Blower motor
 M4 Auxiliary fan
 M9 Ventilation blower, temperature sensor, in-car air
 M13 Circulation pump

N6 Control unit, compressor shutoff
 N8 Idle speed control unit
 N20 Control unit, automatic temperature control
 N21 Operating unit, automatic temperature control
 R14 Preresistor group, blower motor
 R15 Preresistor, auxiliary fan
 S3 Air volume switch
 S24 Fresh air/recirculated air switch
 S25/5 Temperature switch 105/115 °C
 a 105 °C for auxiliary fan
 b 115 °C for compressor/emergency shutoff
 S27/1 Compressor cut-out microswitch
 S30/1 Kick-down switch
 S31 Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
 S32 Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars

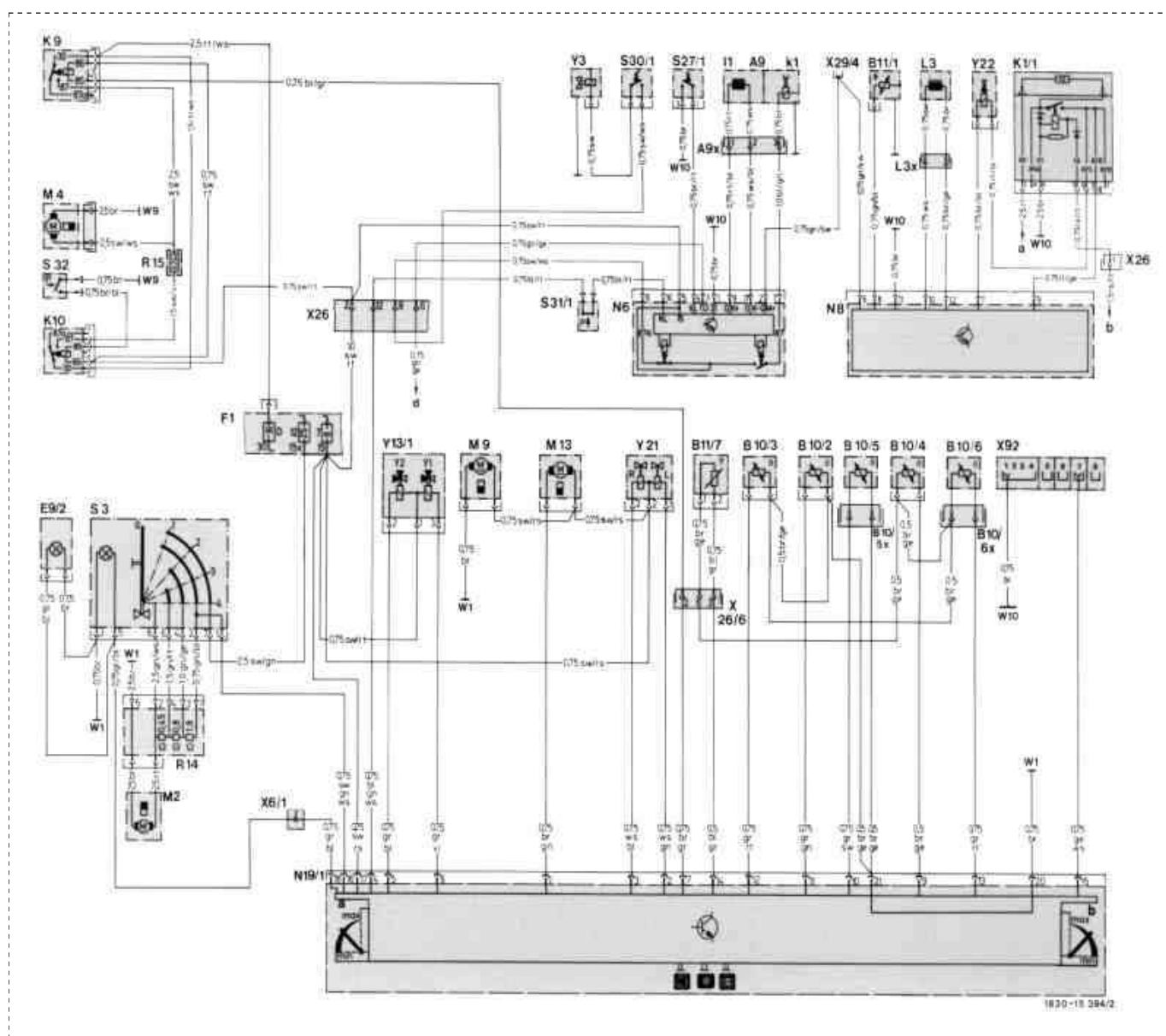
W1 Main ground (behind instrument cluster)
 W9 Ground, front left (near headlight unit)
 W10 Ground, battery

Y3 Switch-over valve, automatic transmission
 Y13 Switch-over valve, fresh air/recirculated air flap
 Y21 Duo valve
 Y22 Electronic idle speed control solenoid

Grounding point without designation, component directly on engine or body

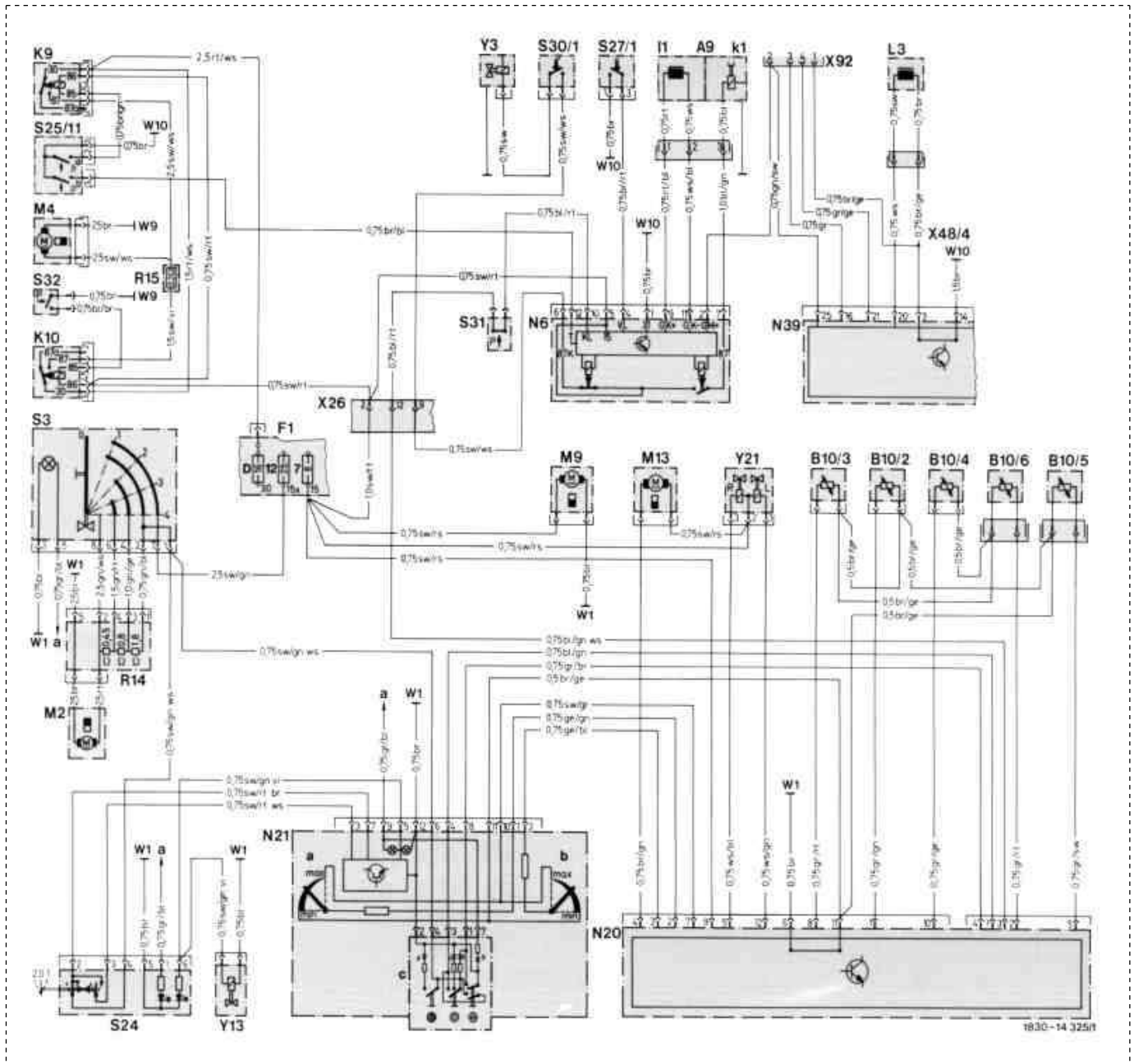
X26 Plug connector, passenger compartment/engine, 12-pole
 X29/4 Test connection, TD electronic diesel system (EDS) 1-pole

a X35 Cable connector terminal 30
 b Fuse and relay box, terminal 15, not fused
 c X6 Cable connector, terminal 58d, 2-pole



Models 124.125/130/185/190/193/330/393 with automatic transmission
as of September 1987

A9	Refrigerant compressor	L3	Speed sensor, starter ring gear
A9k1	Electromagnetic clutch	L3x	Plug connector, speed sensor, starter ring gear
A9l1	Speed sensor	M2	Blower motor
A9x	Plug connector, refrigerant compressor	M4	Auxiliary fan
B10/2	Temperature sensor, heat exchanger, left	M9	Ventilation blower, temperature sensor, in-car air
B10/3	Temperature sensor, heat exchanger, right	M13	Circulation pump
B10/4	Temperature sensor, in-car air	N6	Control unit, compressor shutoff
B10/5	Temperature sensor, outside air	N8	Idle speed control unit
B10/5x	Plug connector, temperature sensor, outside air	N19/1	Tempmatic control and operating unit
B10/6	Temperature sensor, evaporator	R14	Preresistor group, blower motor
B10/6x	Plug connector, temperature sensor, evaporator	R15	Preresistor, auxiliary fan
B11/1	Temperature sensor, coolant (ELR)	S3	Air quantity switch
B11/7	Temperature sensor, coolant (blue)	S27/1	Compressor shutoff microswitch
E9/2	Air distributor switch illumination	S30/1	Kick-down switch
F1	Fuse and relay box	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
K1/1	Overvoltage protection relay, 87 E/87L (7-pole)	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
K9	Relay, auxiliary fan		
K10	Relay, auxiliary fan preresistor		
W1	Main ground (behind instrument cluster)	Y3	Switch-over valve, automatic transmission
W9	Ground, front left (near headlight unit)	Y13/1	Switch-over valve, fresh air/recirculated air flap 2-position
W10	Ground, battery	Y13/1y1	Switch-over valve, long stroke
Grounding point without designation, component directly on engine or body		Y13/1y2	Switch-over valve, short stroke
X6/1	Terminal block, terminal 58D 1-pole	Y21	Duo valve
X26	Connector, passenger compartment/engine, 12-pole	Y22	Electronic idle speed control solenoid
X26/6	Plug connector, engine cable harness, Tempmatic, 3-pole	a	Cable connector terminal 30
X29/4	Test connector, TD electronic diesel system (EDS) (1-pole)	b	Fuse and relay box, terminal 15, not fused
X92	Diagnostic test connector, 8-pole (flash code)	d	To tachometer A1p7



Models 124.133 (J) as of 1986

A9	Refrigerant compressor	N6	Control unit, compressor shutoff
A9k1	Electromagnetic clutch	N20	Tempmatic control unit
A9l1	Speed sensor	N21	Operating unit, automatic temperature control
B10/2	Temperature sensor, heat exchanger, left	N39	Electronic diesel system control unit
B10/3	Temperature sensor, heat exchanger, right	R14	Preresistor group, blower motor
B10/4	Temperature sensor, in-car air	R15	Preresistor, auxiliary fan
B10/5	Temperature sensor, outside air	S3	Air quantity switch
B10/6	Temperature sensor, evaporator	S24	Fresh air/recirculated air switch
F1	Fuse and relay box	S25/11	Temperature switch 105/120 °C auxiliary fan 2nd stage
K9	Relay, auxiliary fan	a	105 °C for auxiliary fan
K10	Relay, auxiliary fan preresor	b	120 °C for compressor emergency shutoff
L3	Speed sensor, starter ring gear	S27/1	Compressor shutoff microswitch
M2	Blower motor	S30/1	Kick-down switch
M4	Auxiliary fan	S31	Pressure switch, refrigerant compressor, OFF 2.0 bars/ON 2.6 bars
M9	Ventilation blower, temperature sensor, in-car air	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
M13	Circulation pump		

W1	Main ground (behind instrument cluster)	Y3	Switch-over valve, automatic transmission
W9	Ground, front left (near headlight unit)	Y13	Switch-over valve fresh/recirculated air flap
W10	Ground, battery	Y21	Duo valve

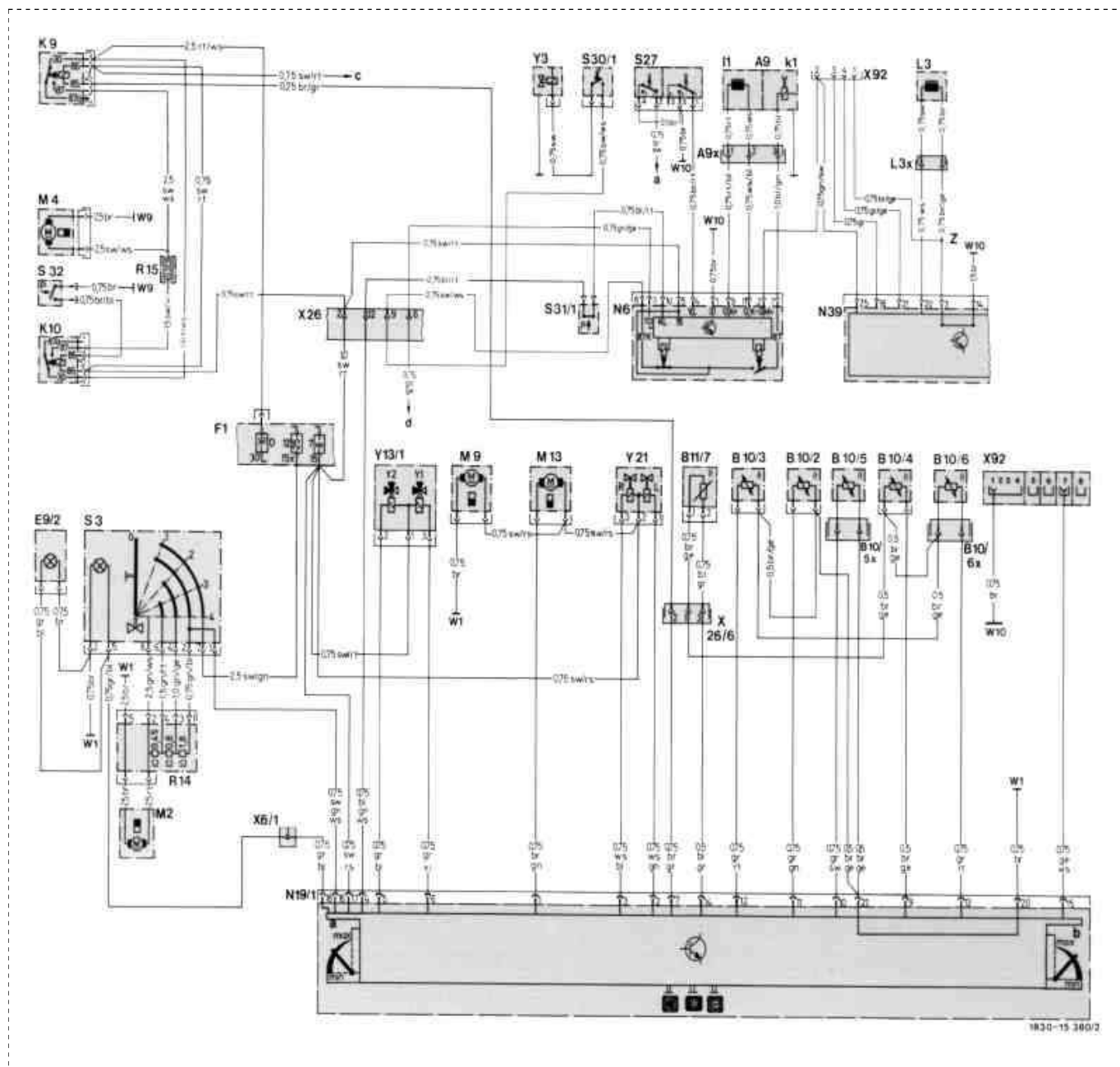
Grounding point without designation, component directly on engine or body a

X6 Cable connector, terminal 58d, 2-pole

X26 Plug connector, passenger compartment/engine, 12-pole

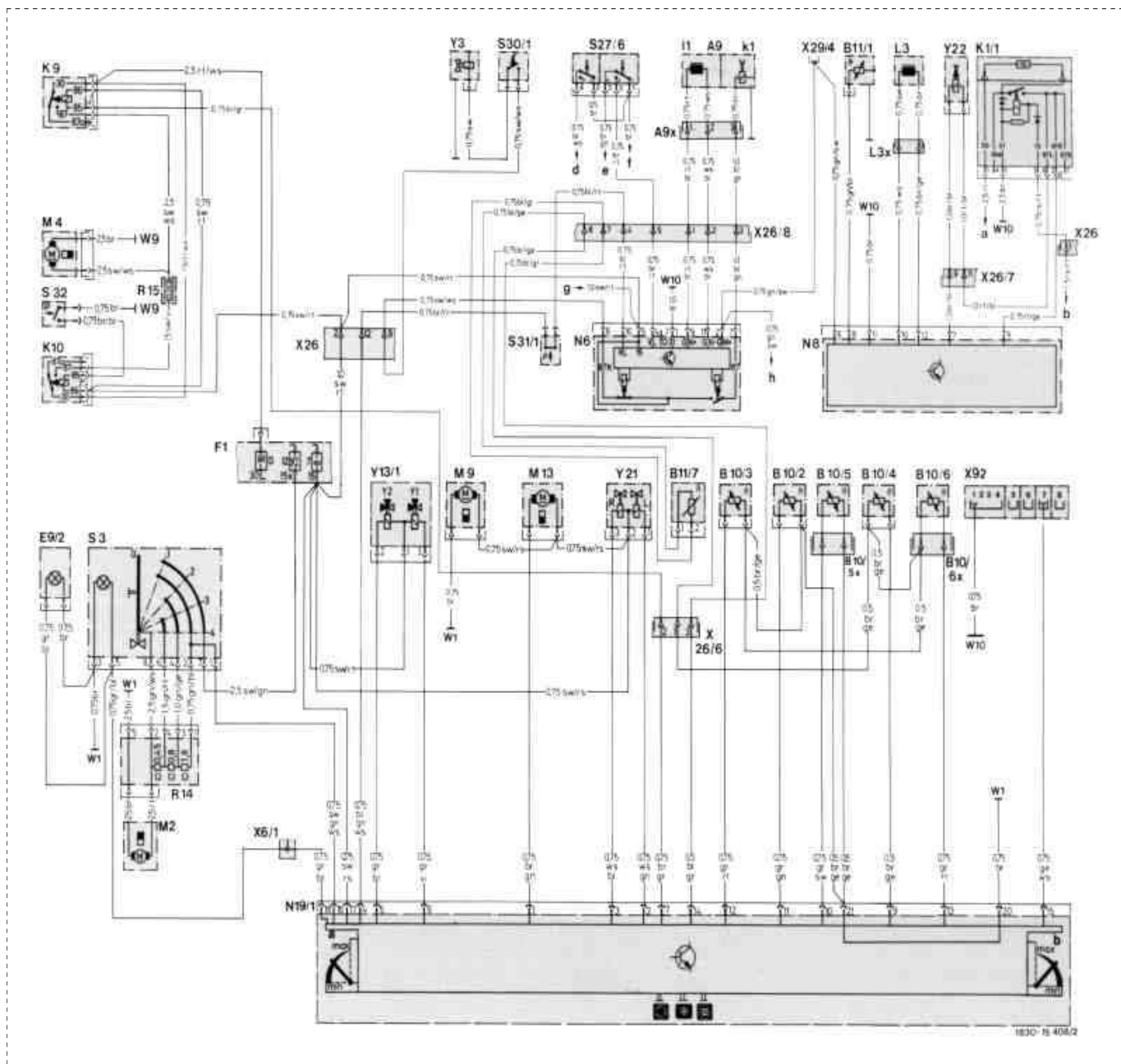
X48/4 End sleeve speed sensor signal (soldered connector in harness)

X92 Diagnostic test connector, 8-pole (flash code)



Model 124.193 (J) as of September 1987

A9	Refrigerant compressor	M2	Blower motor
A9k1	Electromagnetic clutch	M4	Auxiliary fan
A9l1	Speed sensor	M9	Ventilation blower, temperature sensor, in-car air
A9x	Plug connector, refrigerant compressor	M13	Circulation pump
B10/2	Temperature sensor, heat exchanger, left	N6	Control unit, compressor shutoff
B10/3	Temperature sensor, heat exchanger, right	N19/1	Tempmatic control and operating unit
B10/4	Temperature sensor, in-car air	N39	Electronic diesel system control unit
B10/5	Temperature sensor, outside air	R14	Preresistor group, blower motor
B10/5x	Plug connector, temperature sensor, outside air	R15	Preresistor, auxiliary fan
B10/6	Temperature sensor, evaporator	S3	Air volume switch
B10/6x	Plug connector, temperature sensor, evaporator	S27	Compressor/charge pressure shutoff microswitch
B11/7	Temperature sensor, coolant (blue)	S30/1	Kick-down switch
E9/2	Air distributor switch illumination	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
F1	Fuse and relay box	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
K9	Relay, auxiliary fan		
K10	Relay, auxiliary fan preresistor		
L3	Speed sensor, starter ring gear		
L3x	Plug connector, speed sensor, starter ring gear		
W1	Main ground (behind instrument cluster)	Y3	Switch-over valve, automatic transmission
W9	Ground, front left (near headlight unit)	Y13/1	Switch-over valve connector block, fresh air/recirculated air flap 2-position
W10	Ground, battery	Y13/1y1	Switch-over valve, long stroke
Grounding point without designation, component directly on engine or body		Y13/1y2	Switch-over valve, short stroke
X6/1	Terminal block, terminal 58D 1-pole	Y21	Duo valve
X26	Plug connector, passenger compartment/engine, 12-pole	c	Switch-over valve pressure converter automatic transmission diesel Y29 socket 2
X26/6	Plug connector, engine cable harness, Tempmatic, 3-pole	d	Tachometer A1p7
X92	Diagnostic test connector, 8-pole (flash code)	z	End sleeve (soldered connector in harness)



Model 124.130 **CH** as of September 1987

A9	Refrigerant compressor	L3	Speed sensor, starter ring gear
A9k1	Electromagnetic clutch	L3x	Plug connector, speed sensor, starter ring gear
A9l1	Speed sensor	M2	Auxiliary fan
A9x	Plug sensor, refrigerant compressor	M4	Auxiliary fan
B10/2	Temperature sensor, heat exchanger, left	M9	Ventilation blower, temperature sensor, in-car air
B10/3	Temperature sensor, heat exchanger, right	M13	Circulation pump
B10/4	Temperature sensor, in-car air	N6	Control unit, compressor shutoff
B10/5	Temperature sensor, outside air	N8	Idle speed control unit
B10/5x	Plug connector, temperature sensor, outside air	N19/1	Tempmatic control and operating unit
B10/6	Temperature sensor, evaporator	R14	Preresistor group, blower motor
B10/6x	Plug connector, temperature sensor, evaporator	R15	Preresistor, auxiliary fan
B11/1	Temperature sensor, coolant (ELR)	S3	Air volume switch
B11/7	Temperature sensor, coolant (blue)	S27/6	Compressor cut-out/exhaust gas recirculation (EGR) microswitch
E9/2	Air distributor switch illumination	S30/1	Kick-down switch
F1	Fuse and relay box	S31/1	Pressure switch, refrigerant compressor, OFF 2.0/30 bars/ON 2.6/22 bars
K1/1	Relay, overvoltage protection 87E/87 L (7-pole)	S32	Pressure switch, auxiliary fan OFF 15.0 bars/ON 20.0 bars
K9	Relay, auxiliary fan		
K10	Relay, auxiliary fan preresistor		

W1	Main ground (behind instrument cluster)	Y3	Switch-over valve, automatic transmission
W9	Ground, front left (near headlight unit)	Y13/1	Switch-over valve connector block, fresh air/ recirculated air flap 2-position
W10	Ground, battery	Y13/1y1	Switch-over valve, long stroke
Grounding point without designation, component directly on engine or body		Y13/1y2	Switch-over valve, short stroke
		Y21	Duo valve
X6/1	Terminal block, terminal 58D 1-pole	Y22	Electronic idle speed control solenoid
X26	Plug connector, passenger compartment/engine, 12-pole	a	Cable connector terminal 30
X26/6	Plug connector, engine cable harness, Tempmatic, 3-pole	b	Fuse box, terminal 15, not fused
X26/7	Plug connector/engine harness, 12-pole	c	Control unit, exhaust gas recirculation, socket 5
X26/8	Plug connector engine harness/engine harness 8-pole	d	Control unit, exhaust gas recirculation, socket 10
X29/4	Test connection, TD electronic diesel system (EDS) (1-pole)	f	Ground, battery
X92	Diagnostic test connector, 8-pole (flash code)	g	Control unit, exhaust gas recirculation, socket 9
		h	Control unit, exhaust gas recirculation, socket 2