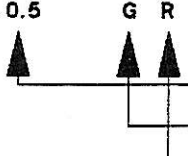


WIRING DIAGRAM FOR FRONTERA
(AS OF MODEL YEAR 1992)

WIRING IDENTIFICATION

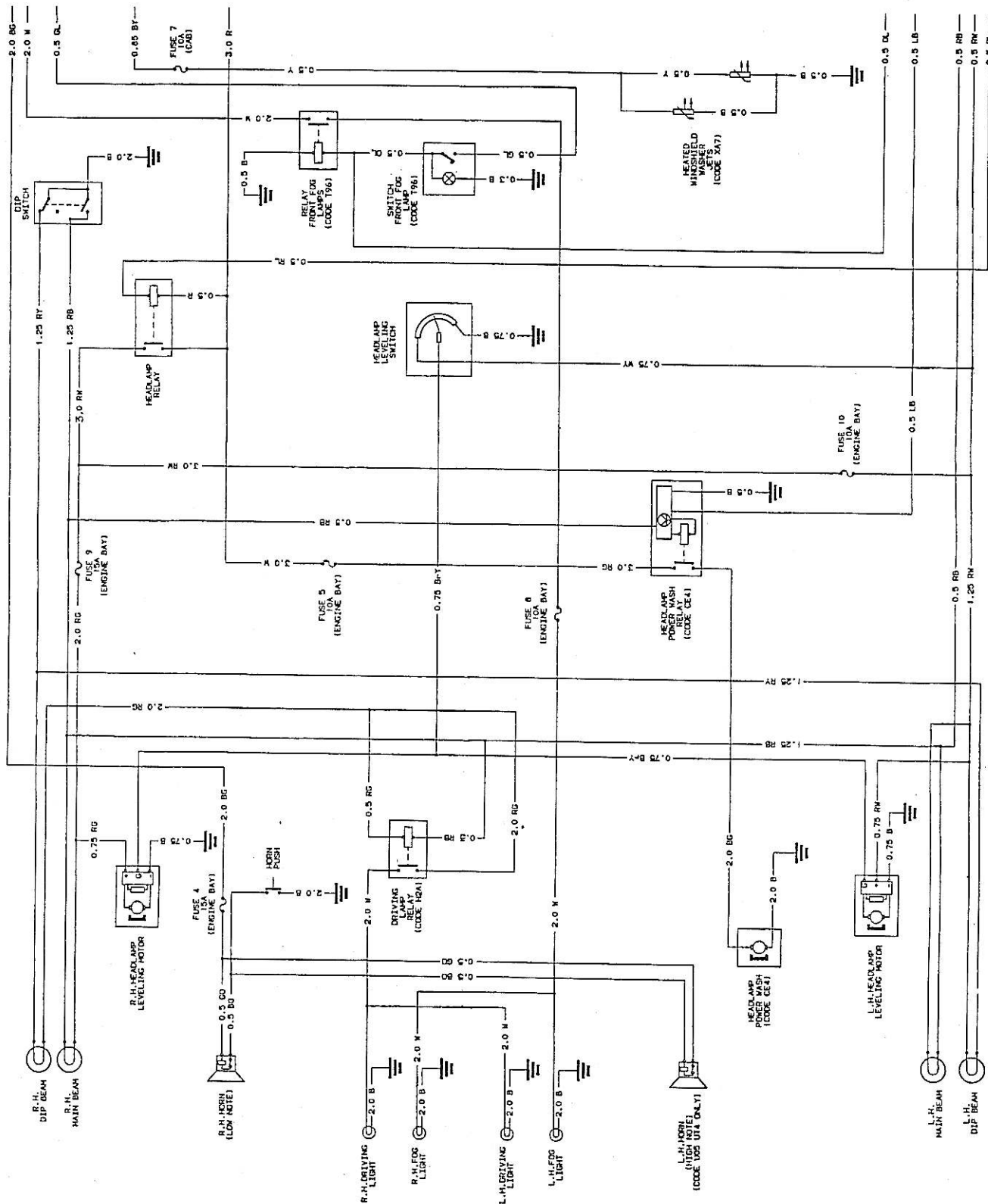
COLOUR CODING	COLOUR	CIRCUITS
B	BLACK	STARTER & GROUNDING CIRCUITS
W	WHITE	CHARGING CIRCUIT
R	RED	LIGHTING CIRCUIT
G	GREEN	SIGNAL CIRCUIT
Y	YELLOW	INSTRUMENT CIRCUIT
L	BLUE	WIPER CIRCUIT
O	ORANGE	
Br	BROWN	
Lg	LIGHT GREEN	
GY	GREY	
P	PINK	
Sb	SKY BLUE	
V	VIOLET	
EXAMPLE: 0.5 G R		
		
WIRE SIZE (0.5mm2)		
GREEN		
RED (STRIPE)		

CAUTIONARY NOTE

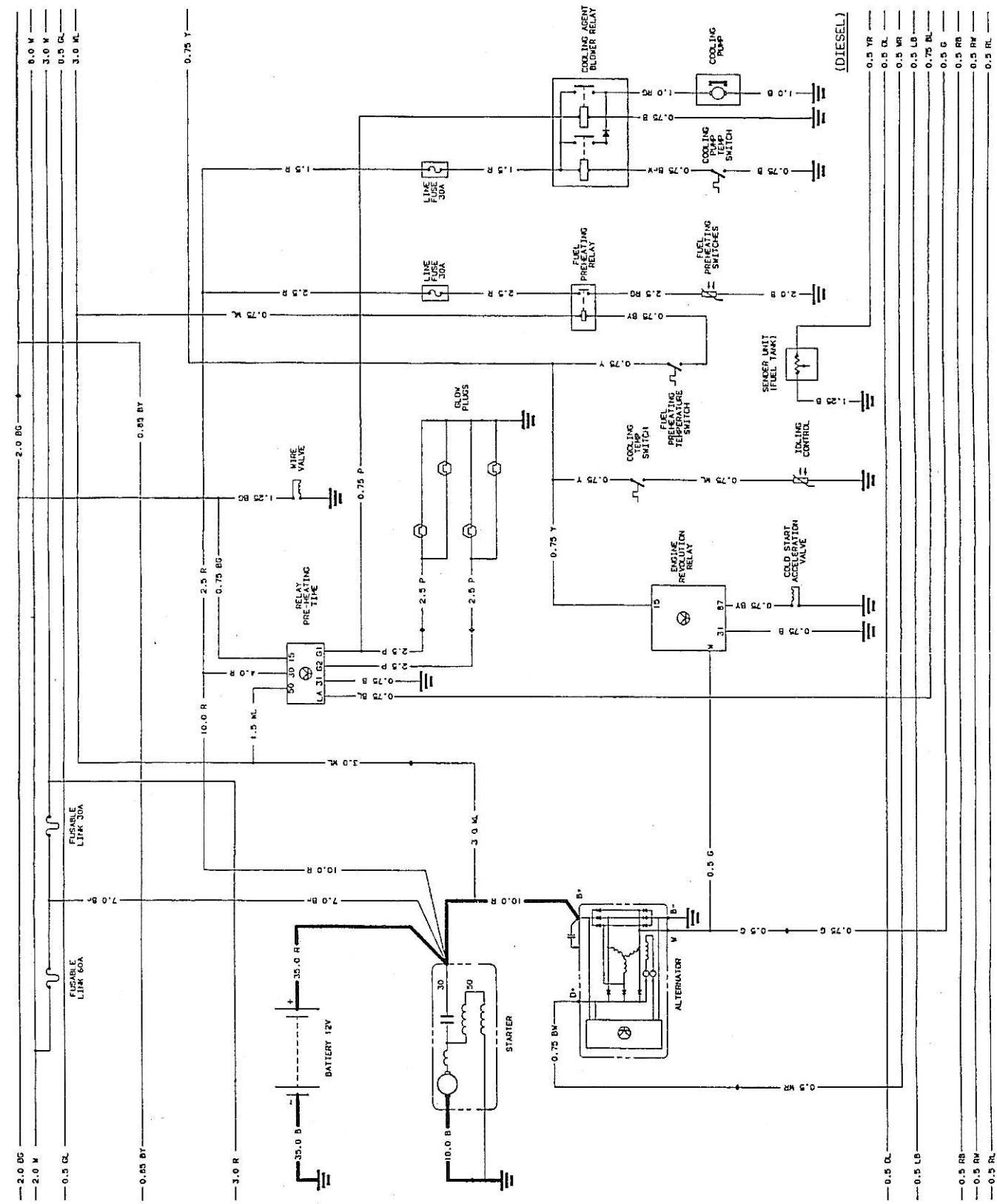
PLEASE REFER TO THE WIRING COLOUR CODE CHART ABOVE BEFORE INVESTIGATING ELECTRICAL FAULTS TO ENSURE THAT VEHICLE CIRCUITS AND WIRES ARE CORRECTLY IDENTIFIED.
IT IS IMPORTANT TO BE AWARE OF THE DIFFERENCES BETWEEN THE USE OF COLOUR CODES ON FRONTERA VEHICLES AND THOSE NORMALLY ADOPTED BY VAUXHALL/OPEL

E.G. BLACK FRONTERA - GROUNDING CIRCUITS
 OPEL - IGNITION

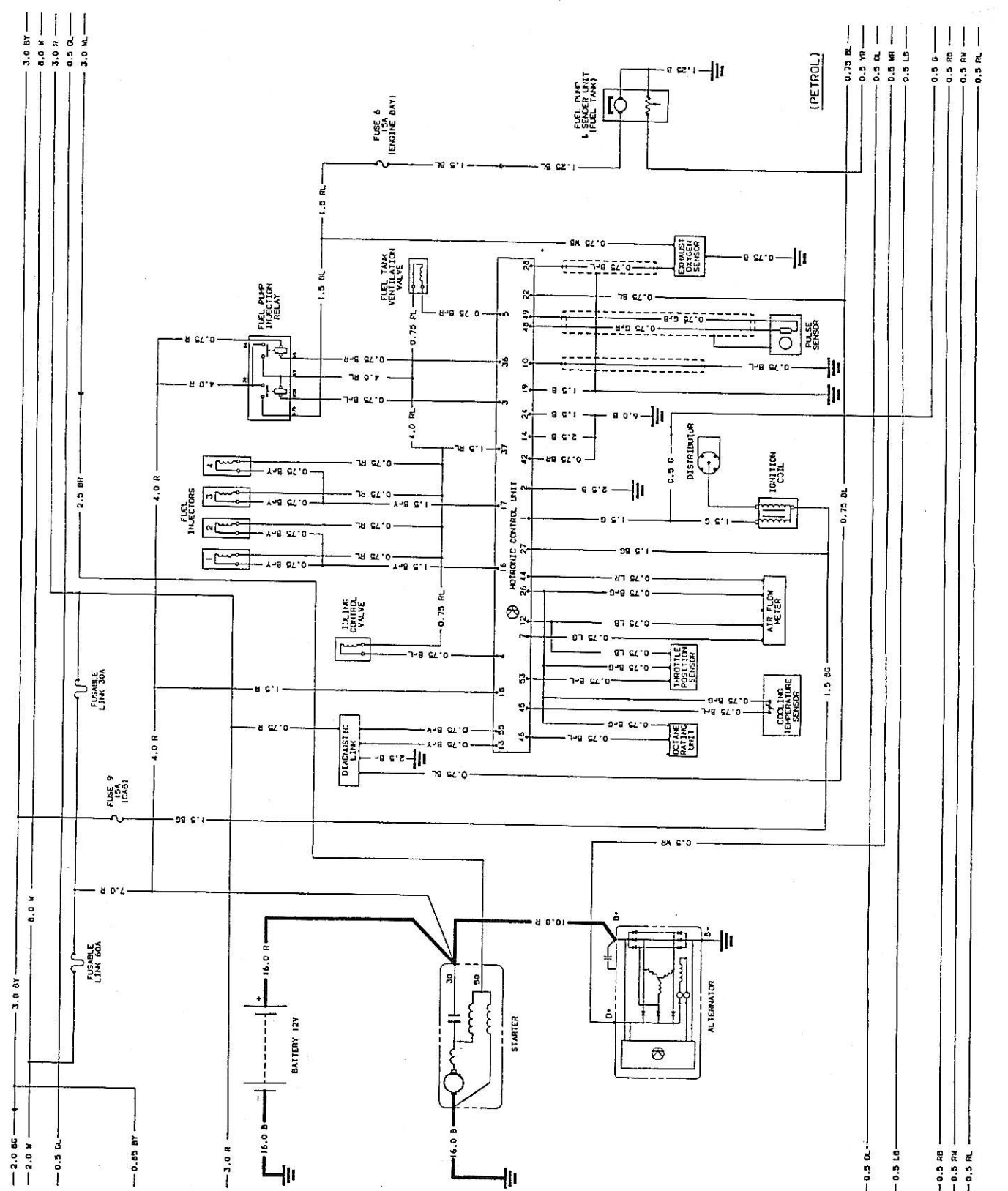
Information for wiring diagrams (early models)



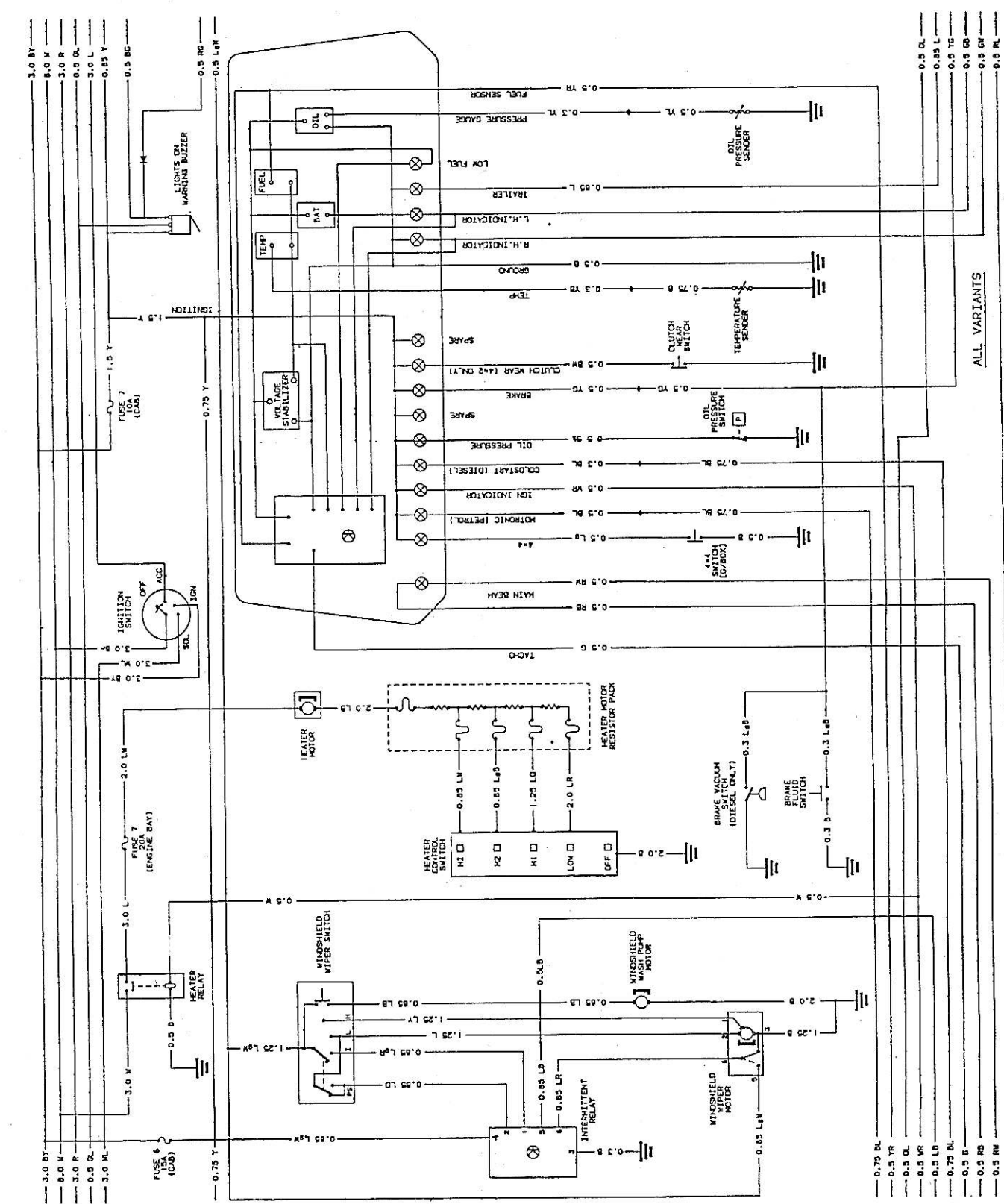
Typical wiring diagram (early models)



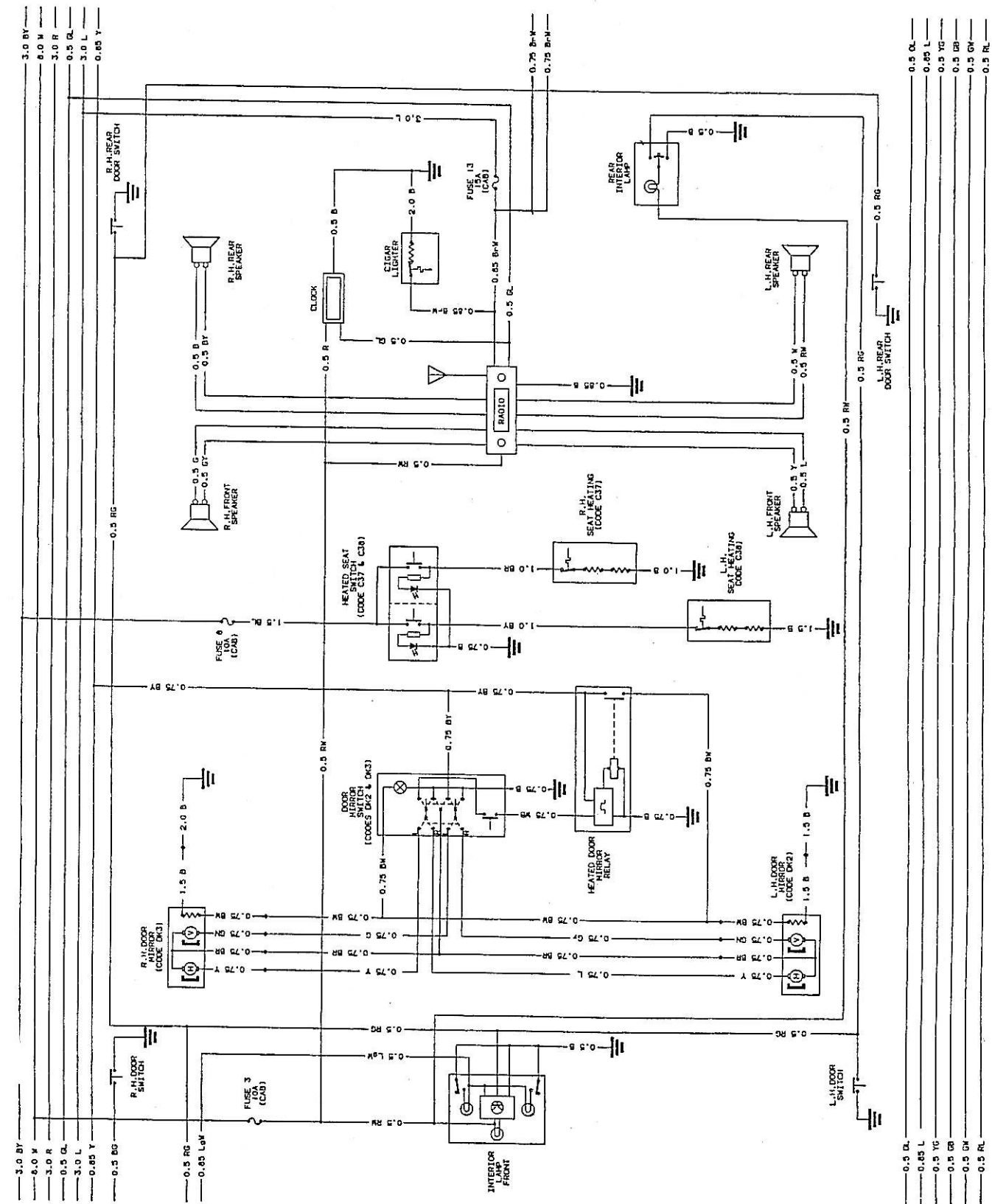
Typical wiring diagram (early models) - continued



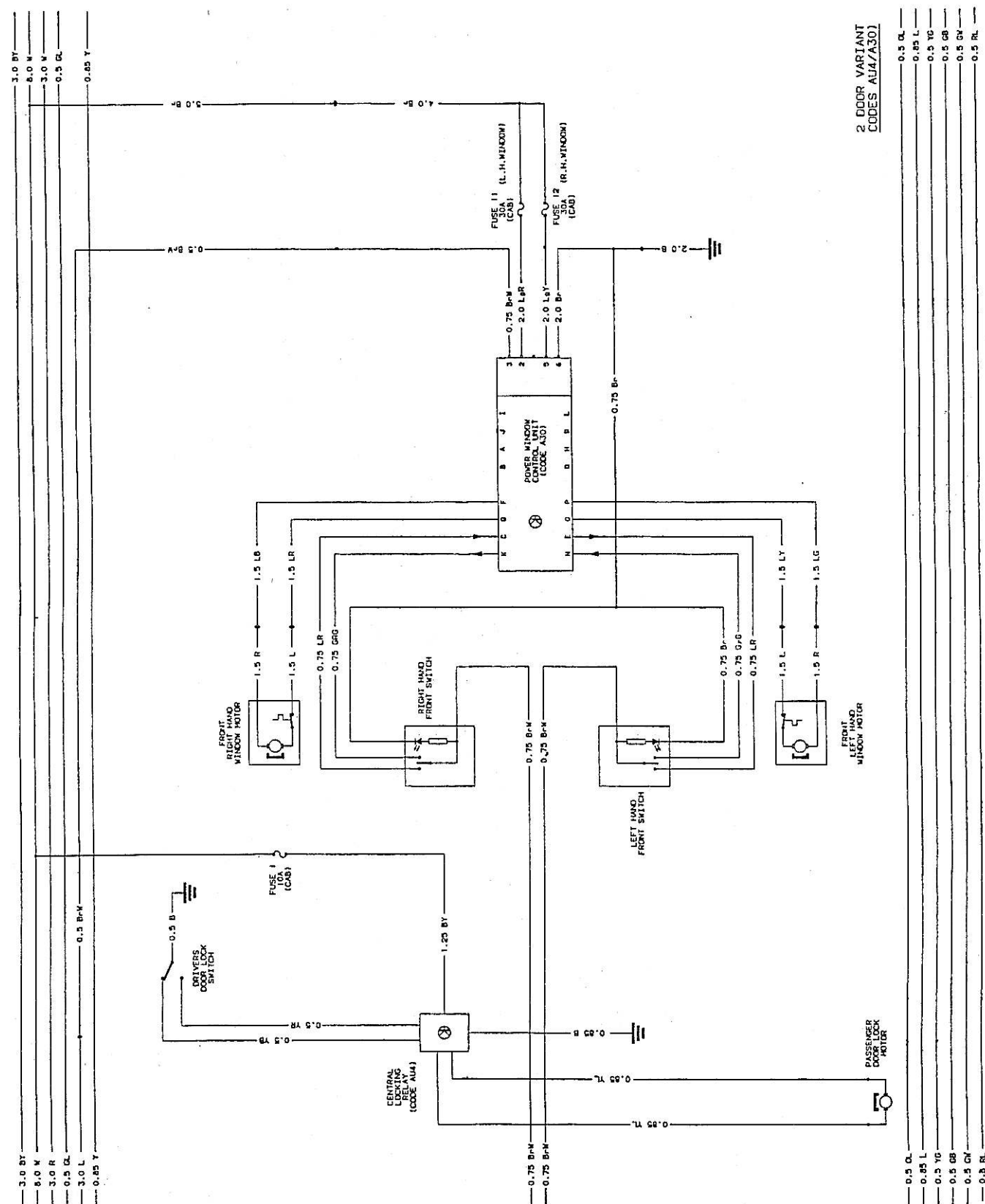
Typical wiring diagram (early models) - continued



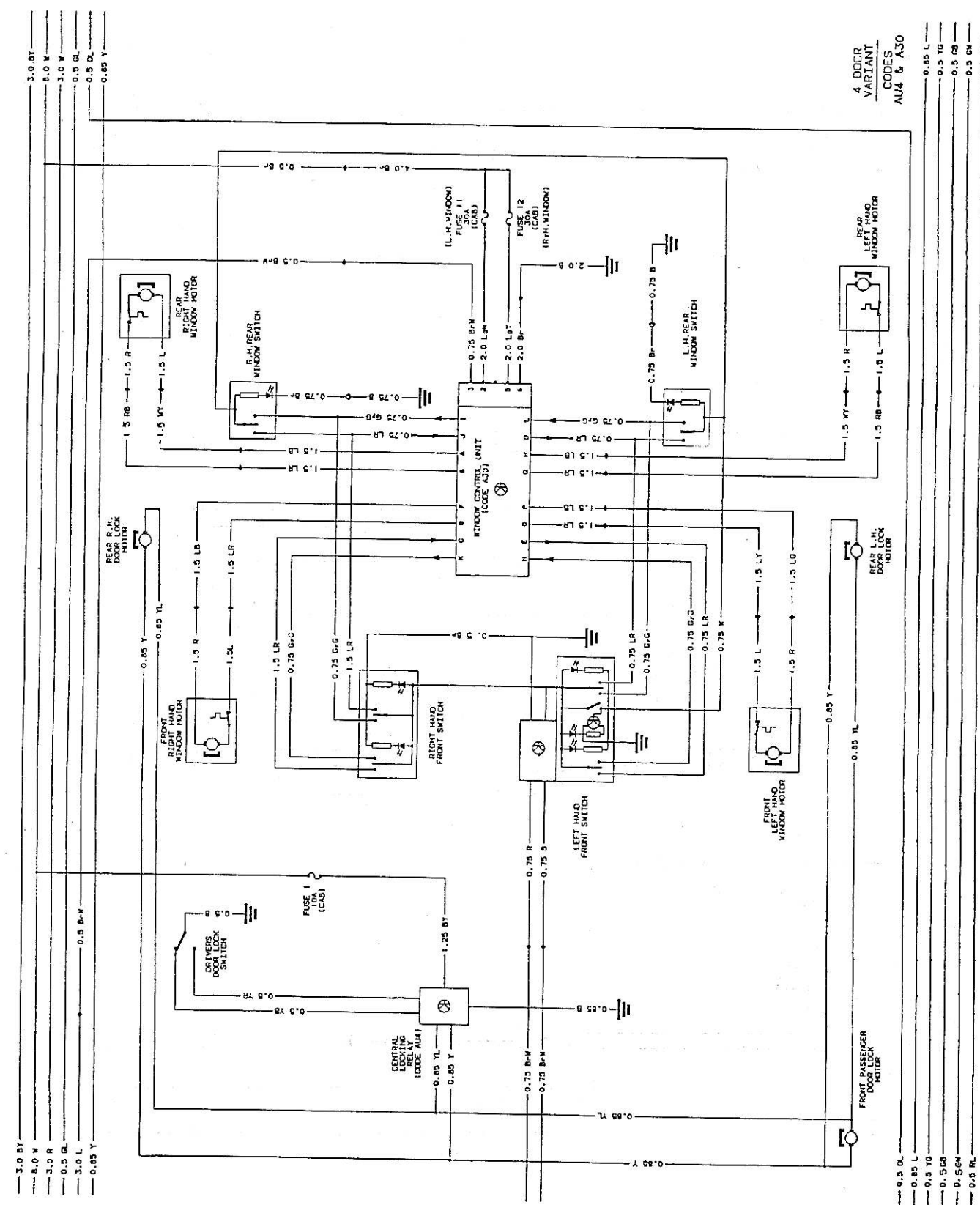
Typical wiring diagram (early models) - continued



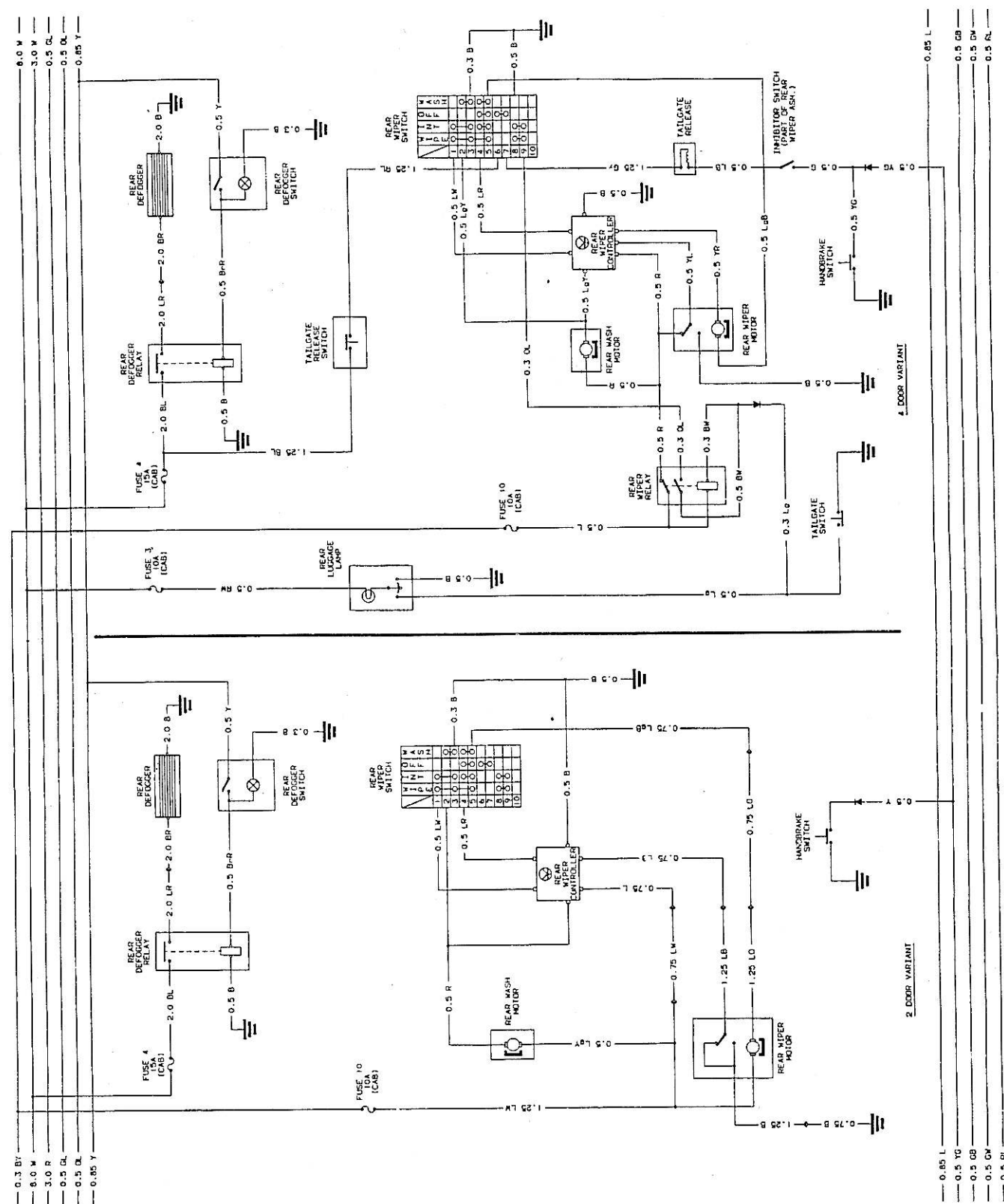
Typical wiring diagram (early models) - continued



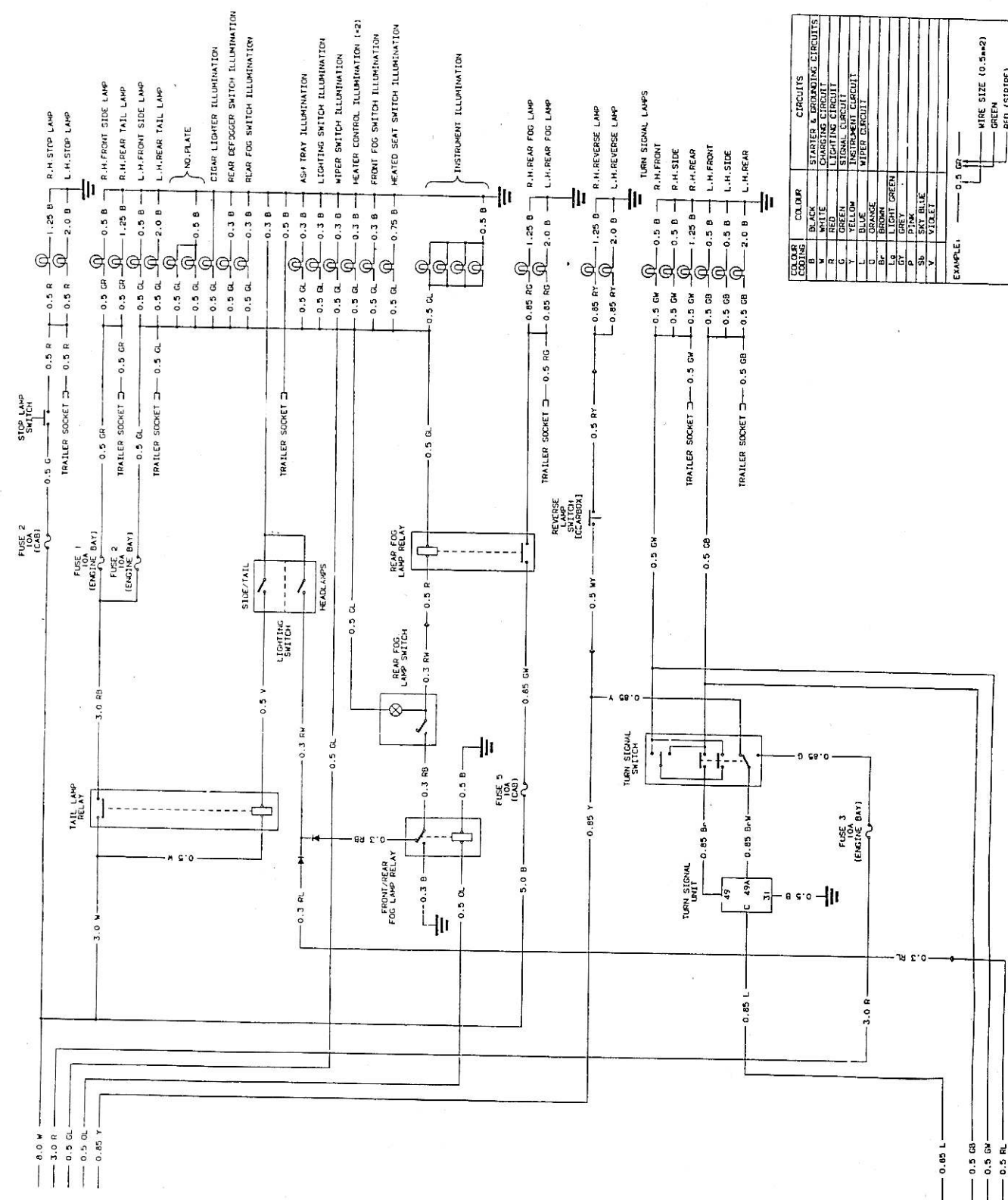
Typical wiring diagram (early models) - continued



Typical wiring diagram (early models) - continued



Typical wiring diagram (early models) - continued



Typical wiring diagram (early models) - continued

GENERAL INFORMATION

Designation of components according to DIN 40719

Designation of leads according to DIN 47002

Basic Colour	Colour Code	Cross Section (mm ²)
	GE WS 1.5	
BL = blue	BR = brown	GE = yellow
GN = green	GR = grey	HGN = light green
OR = orange	RO = pink	RT = red
SL = slate	SW = black	VI = violet
WS = white		

SYMBOLS

	=	X 20 SE and X 22 XE only (Petrol)
	=	VM41B only (Diesel)
	=	4 Door only
	=	2 Door only

LEAD CONNECTIONS

A framed number, e.g. **322** indicates a circuit in which the lead is continued. At this position there is also a framed number, e.g. **107** referring back to the circuit.

ABBREVIATIONS

ABS	Anti-lock brake system	L	Left
AB	Airbag	LHD	Left-hand drive
AC	Air conditioning	LWR	Headlamp levelling
ACC	Accessory position - ignition switch	MOT	Motronic M1.5.4
ALDL	Assembly line diagnostic link	NSL	Rear fog lamps
AZV	Trailer hitch	NSW	Front fog lamps
DWA	Anti-theft warning system	R	Right
EDC	Electronic diesel control	RFS	Back up lamps
EMP	Radio	RHD	Right-hand drive
FH	Window lifter	SD	Sun roof
HS	Heated back window	SH	Seat heating
HW	Rear screen wiper	TD	Turbo diesel
HZG	Heater blower	WD	Washer nozzle
IMMO	Immobiliser	WS	Warning buzzer
INS	Instrument	WSW	Washer-headlamps
IRL	Interior lamp	ZV	Central locking
KBS	Wiring harness		

Information for wiring diagrams (later models)

Key to wiring diagrams - later models

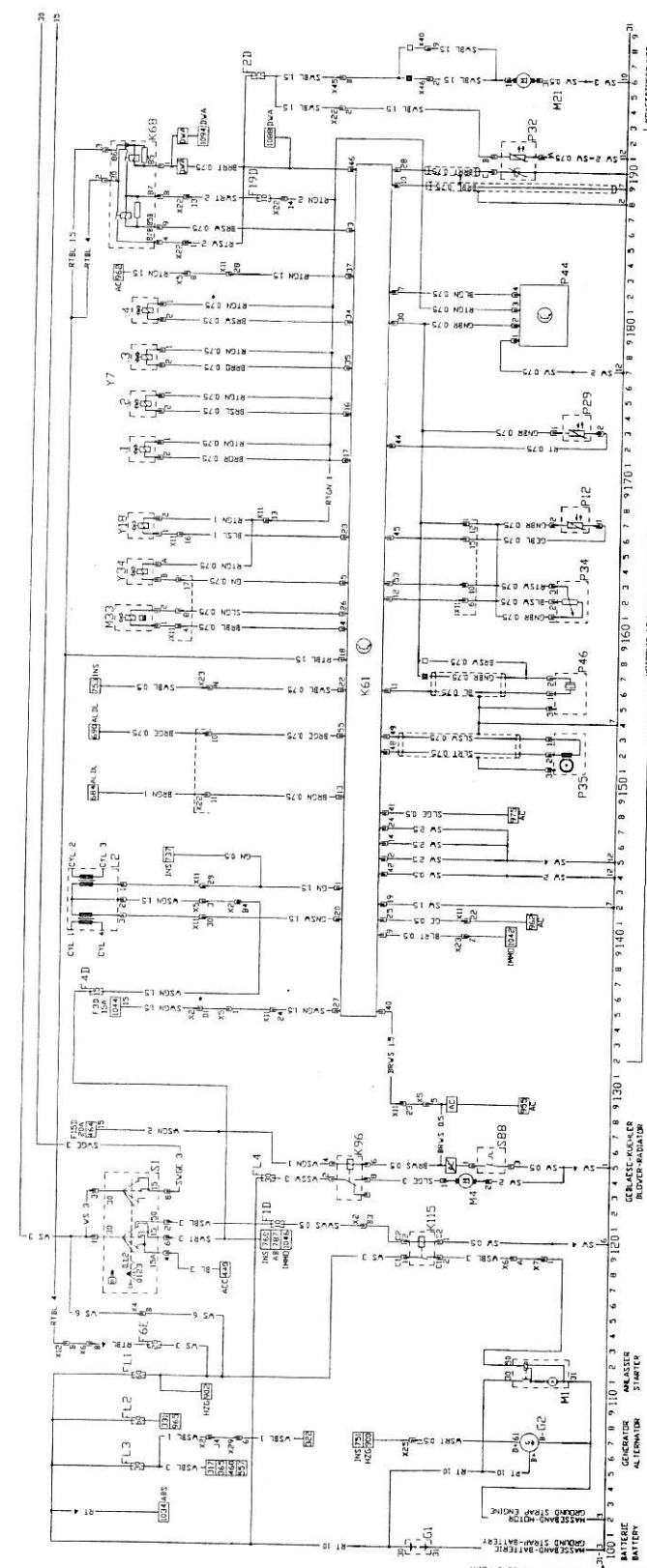
Not all items fitted to all models

No	Description	Track	No	Description	Track	No	Description	Track
C/B1	Fuse	822, 843	FL1	Fuse	111, 214	K96	Radiator fan relay	124, 125
E1	Sidelight, left	312	FL2	Fuse	108, 205	K97	Headlight washer delay relay	552 to 557
E2	Tail light, left	306	FL3	Fuse	105, 207	K111	Tailgate wiper control	519 to 523
E4	Sidelight, right	317	FL4	Fuse	124, 290	K114	Engine main relay	284, 285
E5	Tail light, right	314	G1	Battery	100, 201	K115	Starter relay	119, 120, 223, 224
E7	Headlight main beam, left	337	G2	Alternator	106, 107, 207 to 210	K117	Immobiliser control unit	1040 to 1048
E8	Headlight main beam, right	345	H1	Radio	417 to 434	K128	Electronic thermostat	927 to 929, 973 to 975
E9	Headlight dipped beam, left	339	H3	Direction indicator warning light	612, 614, 712, 714	K140	Main beam/dipped beam relay	339 to 341
E10	Headlight dipped beam, right	343	H4	Oil pressure warning light	645, 745	K145	Heated mirror time delay relay	894, 896
E11	Instrument lighting	607, 608, 708	H5	Brake fluid warning light	660, 760	K147	Electric windows control unit	821 to 835, 846 to 872
E14	Luggage compartment light	479	H6	Hazard warning system warning light	617, 717	K148	Side and tail lamps relay	318, 319
E16	Cigarette lighter illumination	442	H7	Alternator/no-charge warning light	651, 751	K157	Headlamp relay	326 to 328
E17	Reversing light, left	401	H8	Headlight main beam warning light	605, 705	K165	AC pressure switch override relay	924, 925, 954 to 956
E18	Reversing light, right	404	H9	Stop-light, left	376	K166	AC compressor control relay	935 to 937
E19	Heated rear window	453	H10	Stop-light, right	373	K167	AC compressor control relay	920 to 922
E20	Foglight, front left	363	H11	Direction indicator light, front left	386	L2	Ignition coil (DIS)	141 to 143
E21	Foglight, front right	366	H12	Direction indicator light, rear left	384	M1	Starter motor	111, 112, 212, 213
E22	Headlight main beam, left	336	H13	Direction indicator light, front right	394	M2	Windscreen wiper motor	505 to 508
E23	Headlight main beam, right	346	H14	Direction indicator light, rear right	398	M3	Heater fan motor	124, 902, 905
E24	Foglight, rear left	352	H15	Low fuel/fuel reserve warning light	619, 719	M5	Windscreen washer pump	510
E29	Luggage compartment light, rear	495, 496	H16	Glow plug warning light	658	M8	Tailgate wiper motor	527, 529
E33	Ashtray lamp	409	H17	Trailer direction indicator warning light	610, 710	M9	Tailgate washer pump	516, 546
E34	Heater control lamp	411	H18	Horn (twin-tone)	460	M11	Radiator cooling fan motor	947, 968, 969
E39	Foglight, rear right	354	H19	Headlamps 'on' warning light	490, 491	M12	Radiator fan motor	942
E41	Passenger compartment light delay	472 to 474	H23	Airbag warning light	790	M13	Sunroof motor	
E61	Number plate light, left	302, 308	H26	ABS warning light	648, 748	M13.1	Sunroof motor	993 to 997
E62	Number plate light, right	304, 310	H30	Engine warning light	653, 753	M13.2	Microswitch timing box	993
E71	Seat heating, left	979	H33	Direction indicator side repeater light left	388	M13.3	Microswitch timing box	995
E72	Seat heating, right	987	H34	Direction indicator side repeater light right	392	M16	Electric window motor, rear left	849, 850
F1B	Fuse	200	H37	Loudspeaker, front left	426, 427	M17	Electric window motor, rear right	868, 869
F1D	Fuse	121, 225	H38	Loudspeaker, front right	433, 434	M19	Central locking motor, rear left	812, 813
F1E	Fuse	317	H39	Loudspeaker, rear left	429, 430	M20	Central locking motor, rear right	815, 816
F2B	Fuse	202	H40	Loudspeaker, rear right	424, 425	M21	Fuel pump	196
F2D	Fuse	196	H45	Four-wheel-drive warning light	656, 756	M24	Headlight washer pump	557
F2E	Fuse	312	H47	Anti-theft alarm horn	1094	M30	Electric mirror, driver's side	884 to 887
F3B	Fuse	1034	H48	Horn (twin-tone)	462	M31	Electric mirror, passenger side	891 to 894
F3D	Fuse	1046	H52	Tweeter, front left	429, 430	M32	Central locking motor, front passenger door	806, 807
F3E	Fuse	339	H53	Tweeter, front right	436, 437	M33	Idle speed actuator	160, 161
F4D	Fuse	136	K1	Heated rear window relay	452, 453	M39	Headlight levelling motor, left	562 to 564
F4E	Fuse	343	K4	High beam relay	330, 331	M40	Headlight levelling motor, right	570 to 572
F5D	Fuse	450	K5	Front foglight relay	366, 367	M69	Tailgate wiper motor	538 to 540
F5E	Fuse	952, 965	K7	Fan relay	901, 902	M76	Central locking motor, tailgate	818, 819
F6D	Fuse	354	K8	Intermittent wiper relay	502 to 506	M83	Electric window motor, control unit	801 to 807
F6E	Fuse	113, 217	K10	Indicator relay	378, 379	M84	Electric window motor, front right	833, 835 to 865
F7D	Fuse	660, 760	K18	Horn relay	460, 461	P1	Fuel gauge	626, 726
F7E	Fuse	902	K31	Airbag control unit	779 to 792	P2	Coolant temperature gauge	629, 729
F8D	Fuse	928, 954	K37	Central door locking control unit	801 to 807	P3	Clock	413, 415
F8E	Fuse	947	K51	Radiator fan relay	941 to 943	P4	Fuel level sensor	626, 726
F9D	Fuse	281	K52	Radiator fan relay	946 to 948, 968 to 970	P5	Coolant temperature sensor	629, 729
F9E	Fuse	337	K60	AC compressor relay	960 to 962	P7	Tachometer	636, 736
F10D	Fuse	684	K61	Motronic control unit	135 to 190	P8	Oil pressure gauge	642, 742
F10E	Fuse	345	K68	Fuel injection relay	185 to 191	P9	Voltmeter	639, 739
F11D	Fuse	511	K70	Diesel control unit	243 to 285	P12	Coolant temperature indicator	167
F12D	Fuse	979	K76	Glow time control unit	282 to 285	P14	Distance sensor	633, 635, 734
F13D	Fuse	373	K80	Fuel filter heating relay (diesel)	233, 234			
F14D	Fuse	803	K89	Rear foglight relay	354, 355			
F15D	Fuse	461	K94	Anti-theft alarm control unit	1050 to 1094			
F16D	Fuse	532						
F17D	Fuse	453						
F18D	Fuse	456						
F19D	Fuse	188, 287						
F20D	Fuse	440						
F21D	Fuse	790						
F22D	Fuse	787						
F23D	Fuse	665, 765						
F24D	Fuse	994						

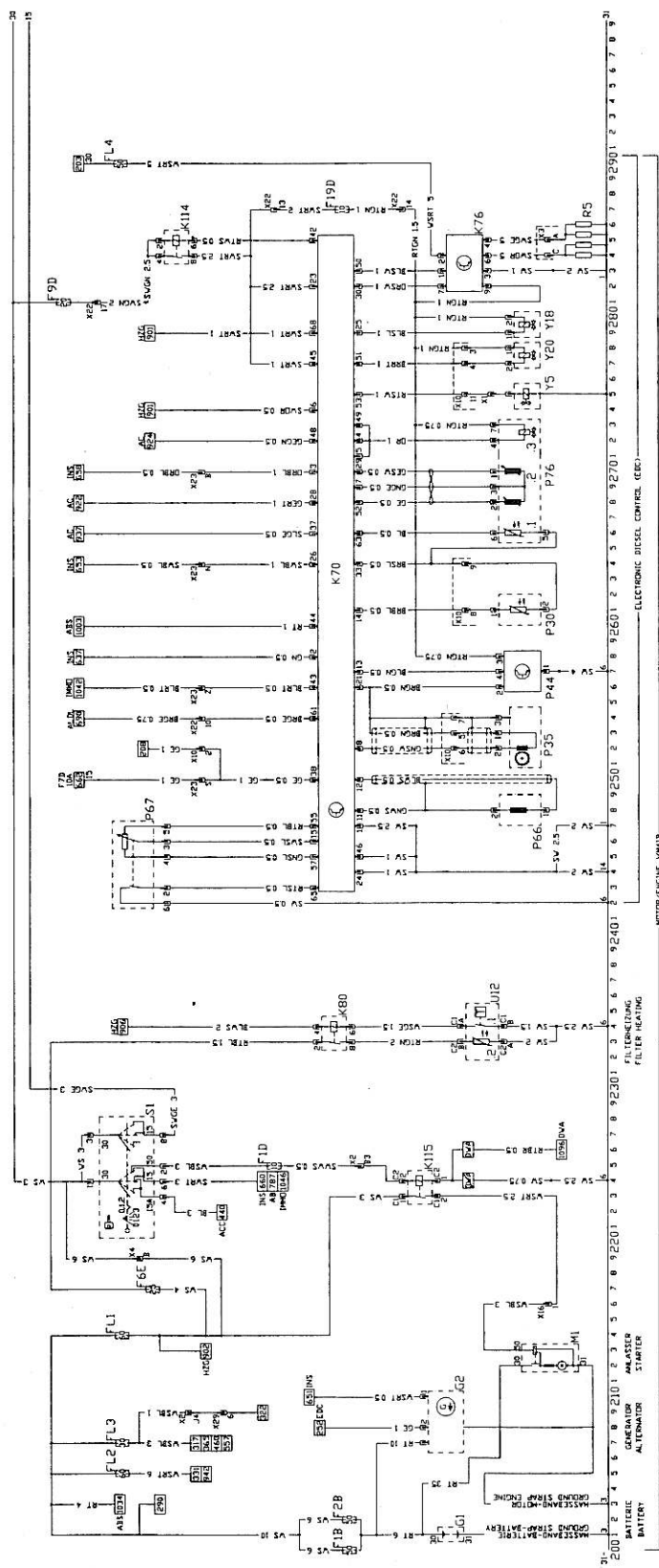
Key to wiring diagrams - later models (continued)

Not all items fitted to all models

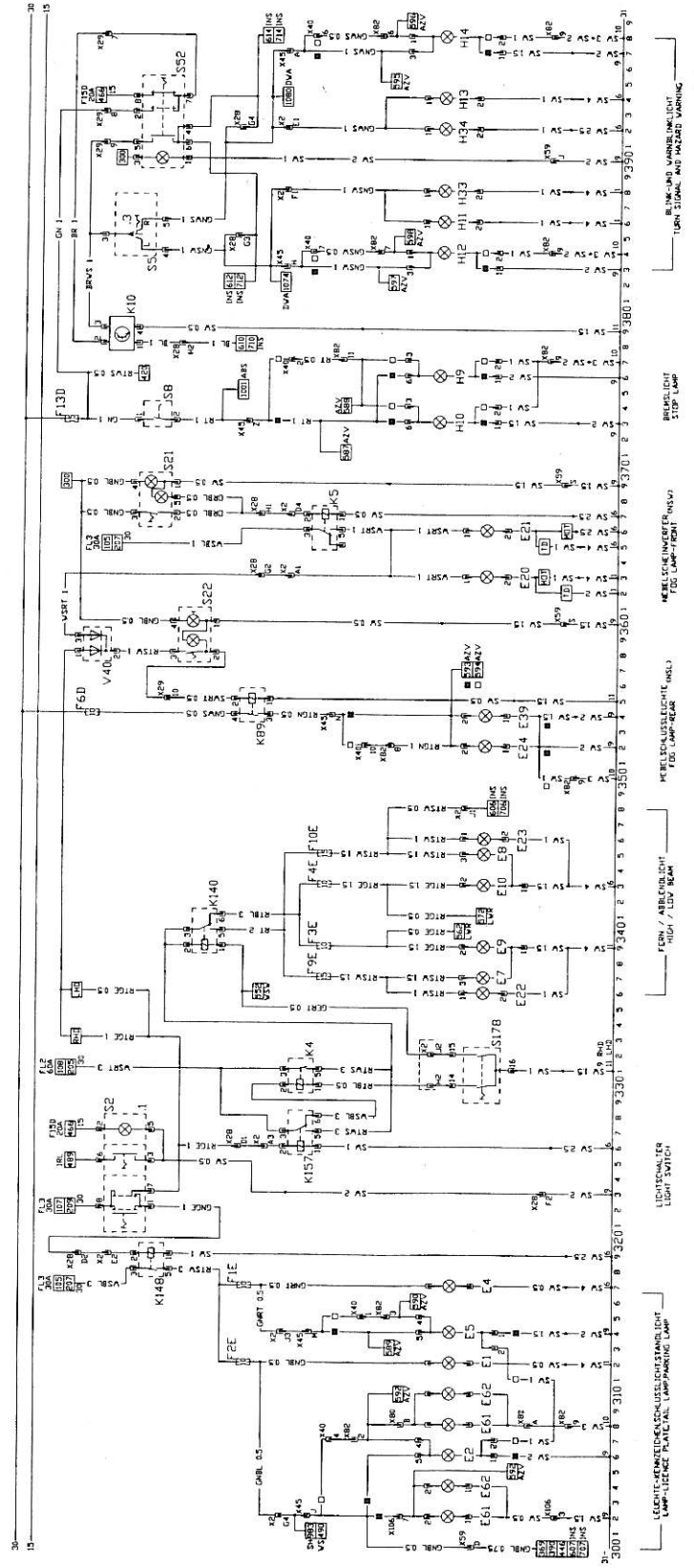
Description	Track	No	Description	Track	No	Description	Track
Wheel sensor, front left	1017, 1019	S20	Pressure switch		S80	Electric window switch, rear right	871 to 873
Wheel sensor, front right	1021, 1023	S20.1	Compressor low pressure switch	937, 972	S88	Coolant temperature switch	125
Wheel sensor, rear left	1025, 1027	S20.2	Compressor high pressure switch	937, 972	S101	AC compressor switch	932, 935, 967, 970
Wheel sensor, rear right	1029, 1031	S20.3	Compressor high pressure fan switch	935, 970	S120	Anti-theft alarm bonnet switch	1058
Inlet manifold temperature sensor	173	S21	Fog lamp switch	367 to 369	S128	Coolant temperature switch	954, 955
Coolant temperature sensor	261	S22	Rear fog lamp switch	358, 360	S178	Indicator switch assembly	330 to 332
Exhaust gas oxygen sensor (heated)	190, 191	S31	Courtesy light switch, left rear door	478	S143	Vacuum switch	664
Throttle valve potentiometer	161 to 163	S32	Courtesy light switch, right rear door	484	S150	Four-wheel-drive switch	656, 756
Crankshaft impulse sensor	151 to 153, 252 to 254	S36	Courtesy light switch, tailgate	475, 496	S151	Anti-theft alarm tailgate override switch	1058
Speedometer	633, 733	S37	Electric window switch assembly (in driver's door)		S208	Seat heating switch, left	979, 981
Air mass meter	179 to 182, 256 to 258	S37.1	Electric window switch, driver's window	853, 854	S209	Seat heating switch, right	985, 987
Knock sensor	155 to 157	S37.2	Electric window switch, passenger window	871, 872	U4	ABS hydro aggregate system	
Anti-theft sensor, driver's side	1066 to 1073	S37.3	Electric window switch, rear left	859, 862	U4.4	ABS hydro aggregate pump	1018
Anti-theft sensor, passenger side	1076 to 1084	S37.4	Electric window switch, rear right	874 to 876	U4.8	ABS control unit	1001 to 1036
Aerial	433, 434	S37.5	Electric window safety switch	856	U12	Heated fuel filter assembly	
Needle movement sensor	248	S41	Anti-theft locking switch, driver's door	801, 802	U12.1	Temperature switch	234
Pedal position sensor	242 to 247	S48	Wash/wipe switch assembly		U12.2	Heating resistor	233
Immobiliser receiver	1042 to 1044	S48.1	Windscreen wiper switch	503 to 507	U20	Airbag contact	783 to 785
Injection quality regulation		S48.2	Windscreen washer switch	508	U21	Airbag, driver's side	
Fuel temperature sensor	266	S52	Hazard warning light (hazard flashers) switch		U21.1	Airbag, driver's side squib	783, 785
Control valve position sensor	268 to 270	S52.3	Indicator switch	384, 386	U22	Airbag, passenger's side	
Injection quality actuator	272, 273	S57	Sunroof switch	992 to 997	U22.1	Airbag, passenger's side squib	779, 781
Cigarette lighter	440	S64	Horn switch	465, 468	U30	Oil pressure assembly	
Glow plugs	284 to 286	S68	Electric mirror switch assembly		U30.1	Oil pressure sensor	643, 743
Heated washer nozzle, left	577	S68.1	Electric mirror adjustment switch	882, 885	U30.2	Oil pressure switch	645, 745
Heated washer nozzle, right	580	S68.2	Electric mirror heating switch	888, 889	V23	Diode	489
Fan motor relay	910 to 914	S68.3	Electric mirror left/right switch	883 to 887	V24	Diode	479
Ignition/starter switch	119 to 123, 223 to 227	S77	Electric window switch, front left	825 to 827	V25	Diode	668, 768
Light switch assembly		S78	Electric window switch, front right	832 to 834	V26	Diode	539
Light switch	322 to 327	S79	Electric window switch, rear left	840 to 842	V40	Diode	358, 359
Heater fan switch	910 to 916				X1 to	Wiring connectors	Various
Rear window & mirror switch	446 to 449				Y1	AC compressor clutch	936, 961
Direction indicator switch assembly	383				Y5	Fuel solenoid valve	275
Reversing light switch	405				Y7	Fuel injectors	
Stop-light switch	373				Y7.1	Fuel injector	171, 172
Brake fluid level switch	660, 760				Y7.2	Fuel injector	174, 175
Handbrake 'on' switch	670, 770				Y7.3	Fuel injector	177, 178
Courtesy light switch, driver's door	491				Y7.4	Fuel injector	180, 181
Courtesy light switch, passenger's door	487				Y18	EGR solenoid valve	166, 167, 279, 280
Tailgate wash/wipe switch	518 to 523, 539 to 544				Y20	Injection regulation solenoid valve	277, 278
					Y34	Fuel tank ventilation valve	163, 164



Typical wiring diagram (later models) - current track 100 to 199

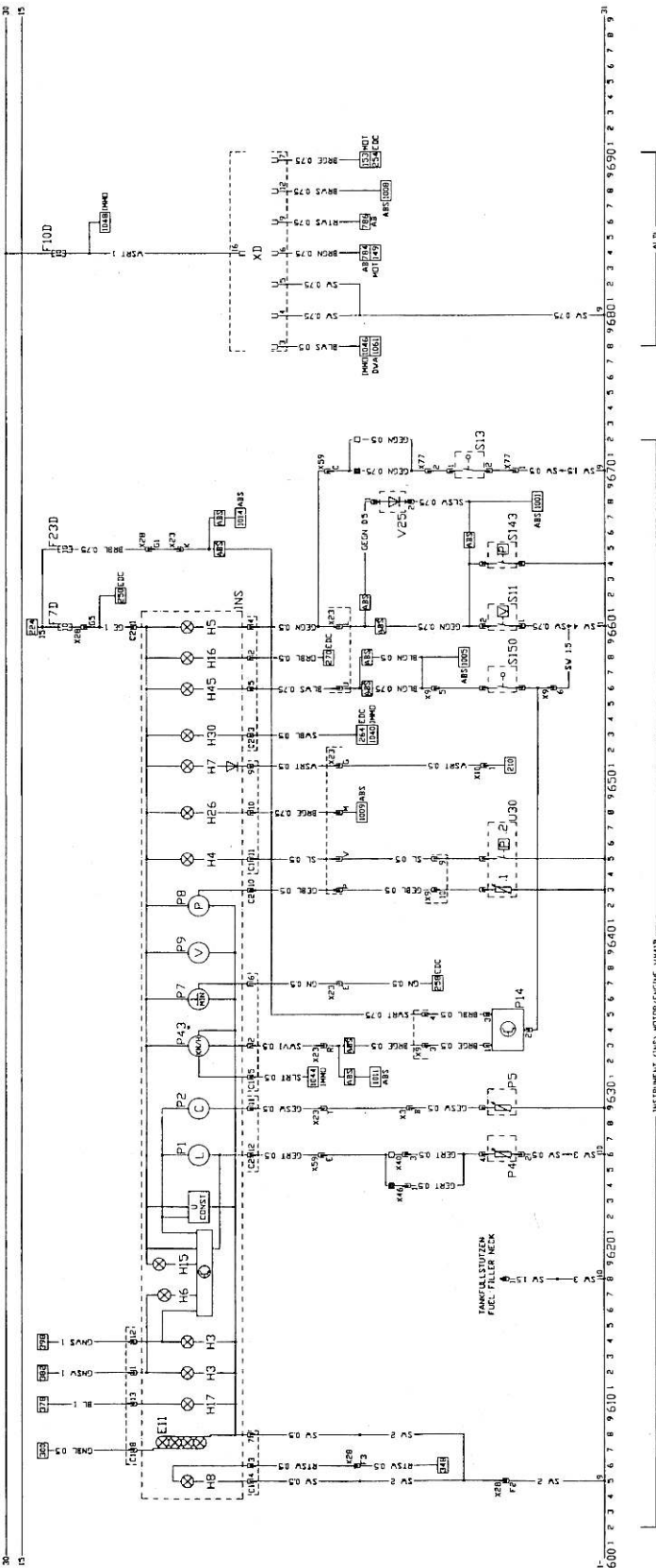


Typical wiring diagram (later models) - current track 200 to 299

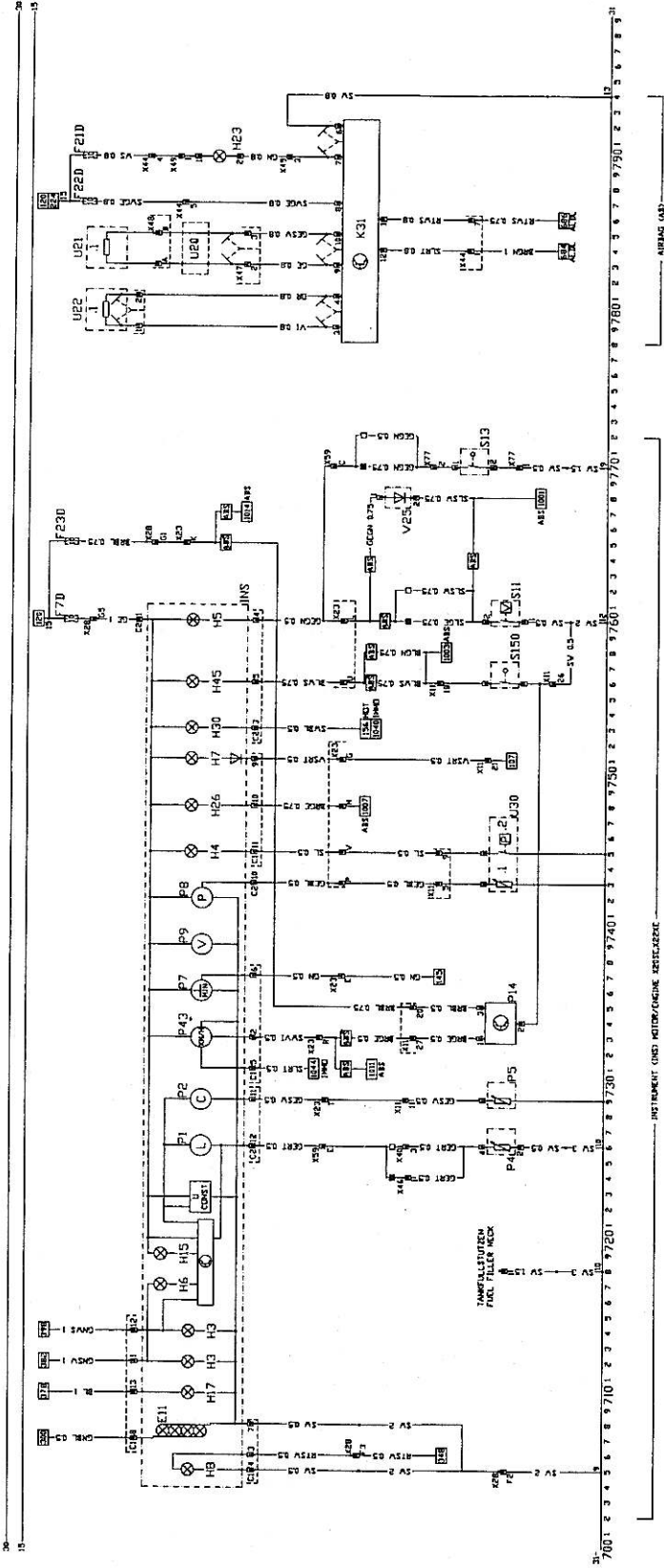


Typical wiring diagram (later models) - current track 300 to 399

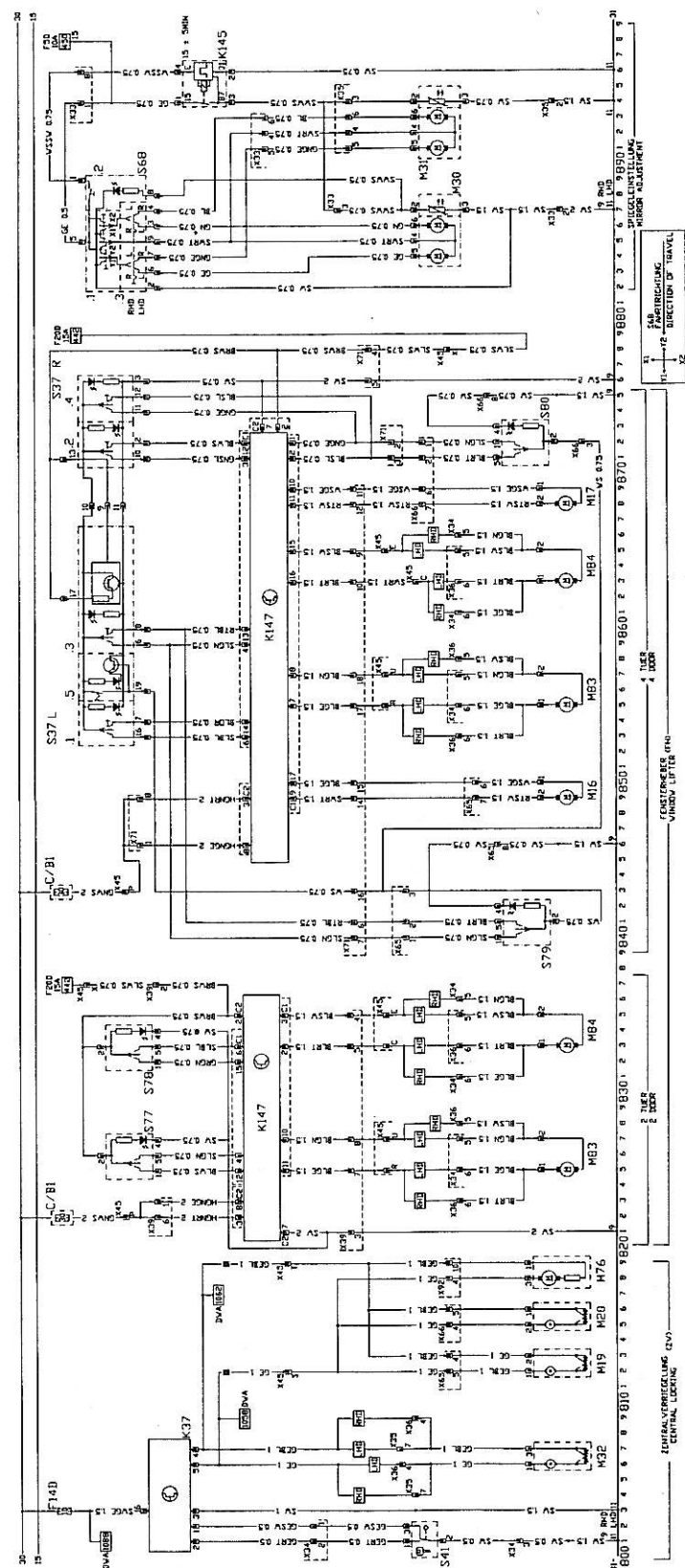




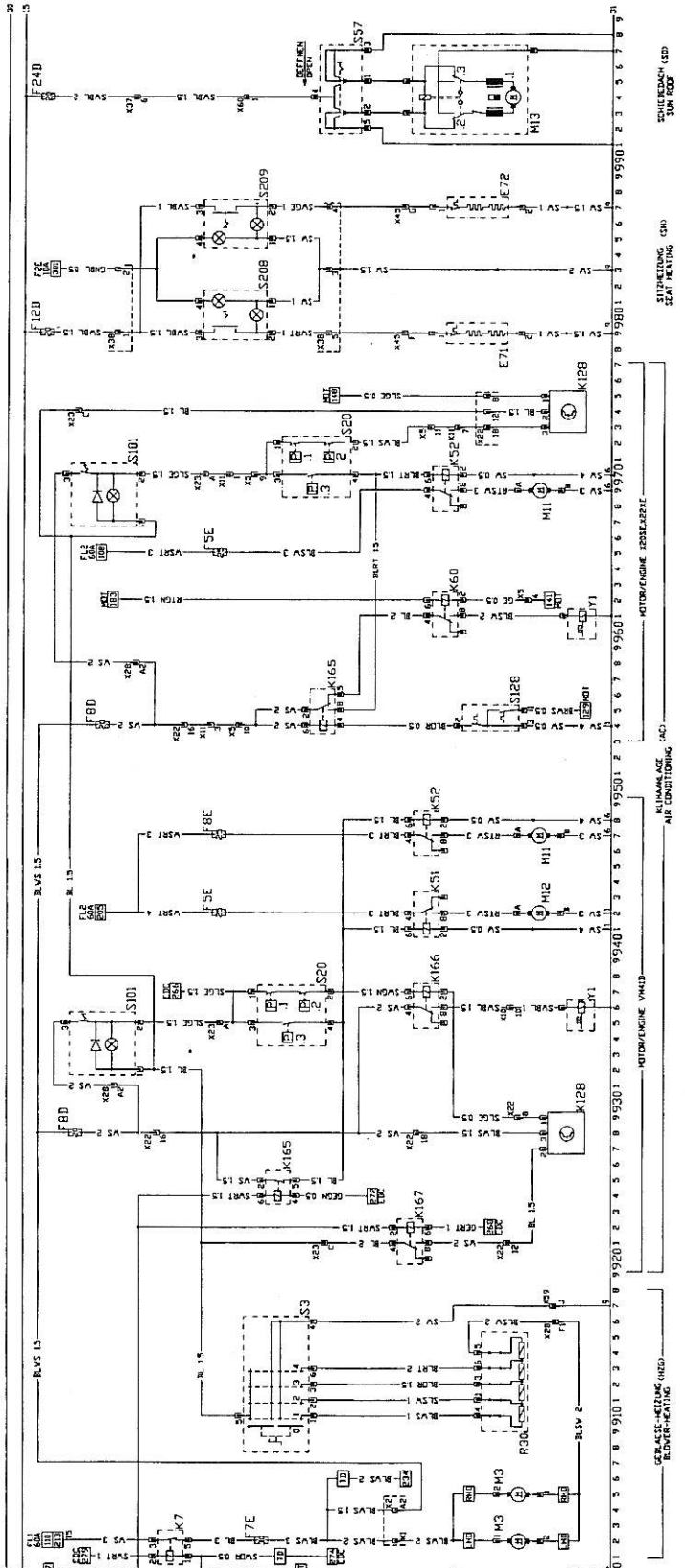
Typical wiring diagram (later models) - current track 600 to 699



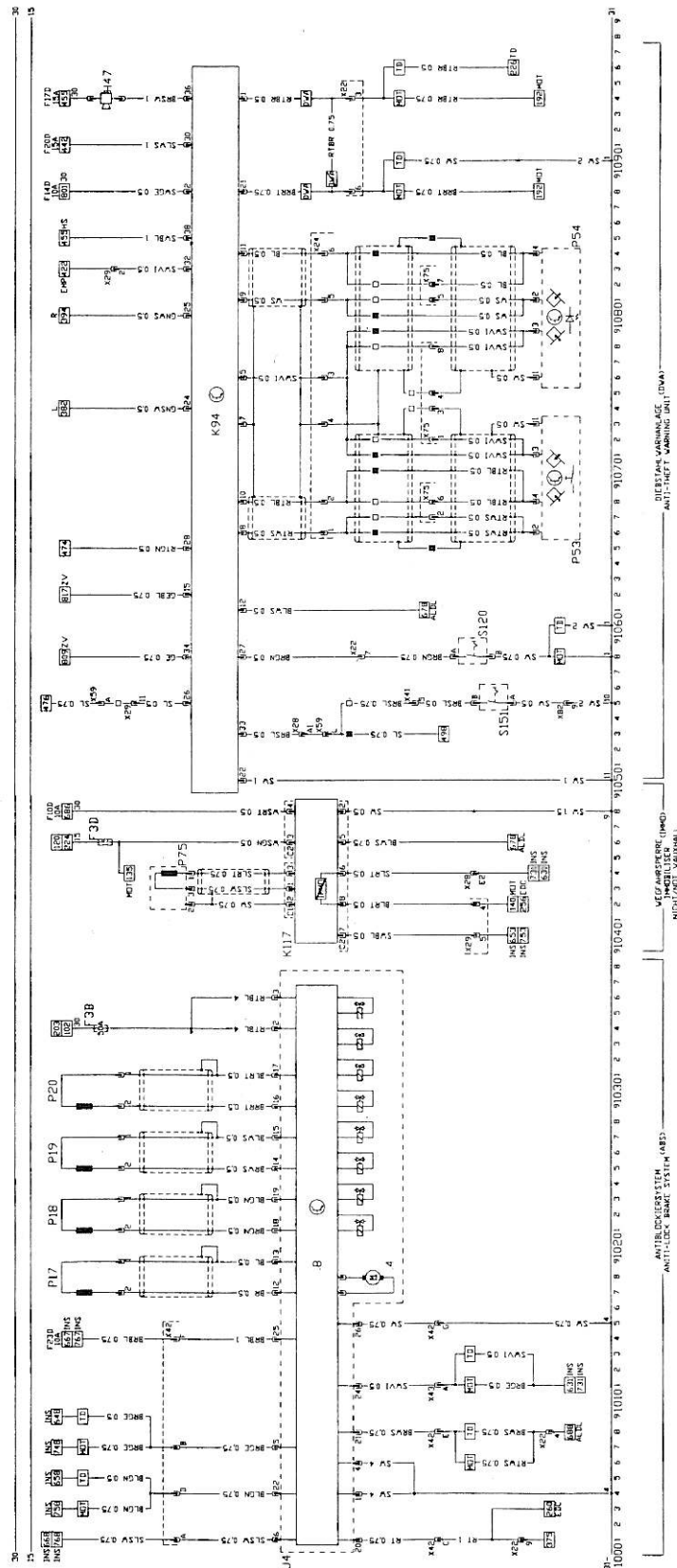
Typical wiring diagram (later models) - current track 700 to 799



Typical wiring diagram (later models) - current track 800 to 899



Typical wiring diagram (later models) - current track 900 to 999



Typical wiring diagram (later models) - current track 1000 to 1099