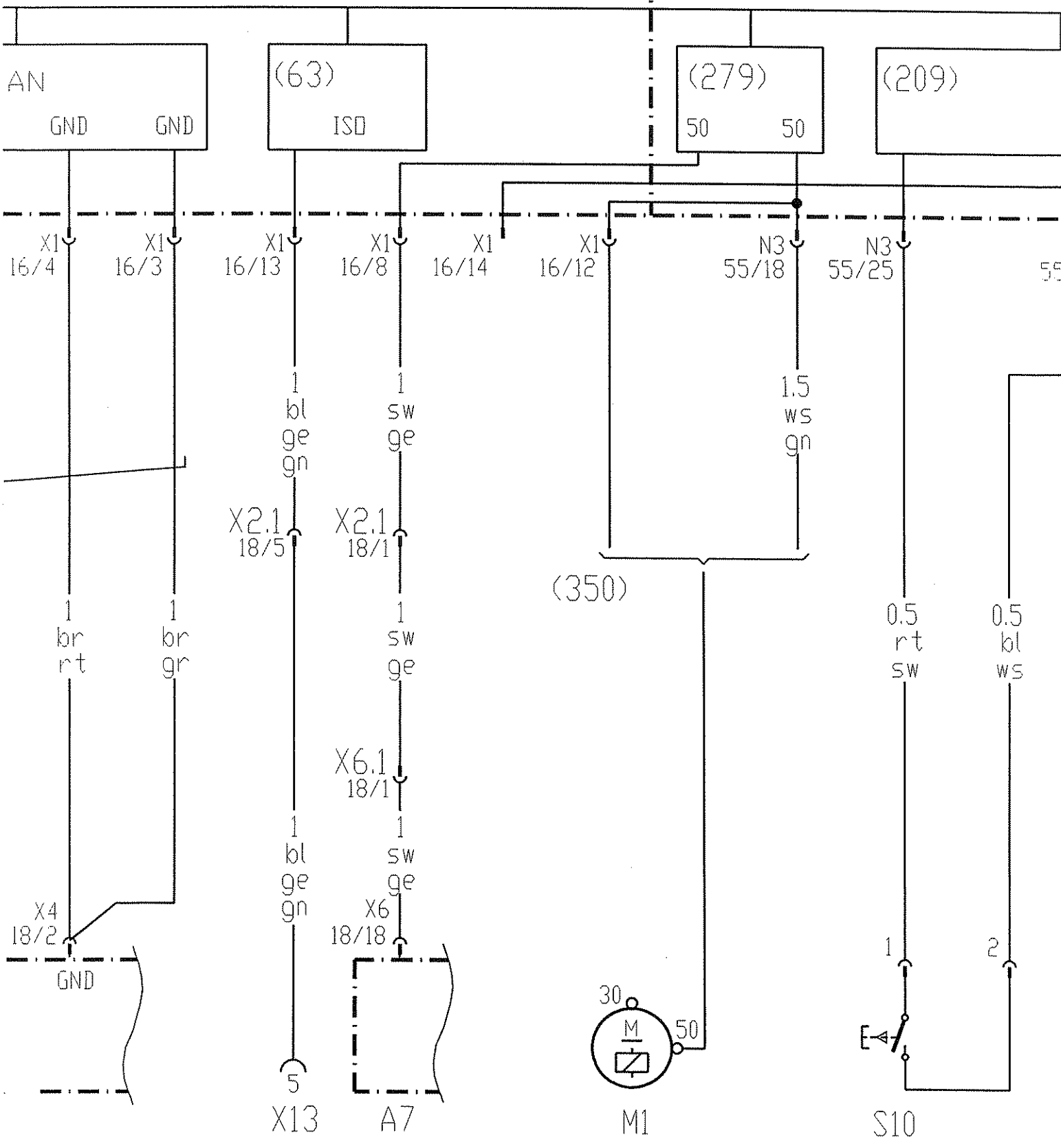


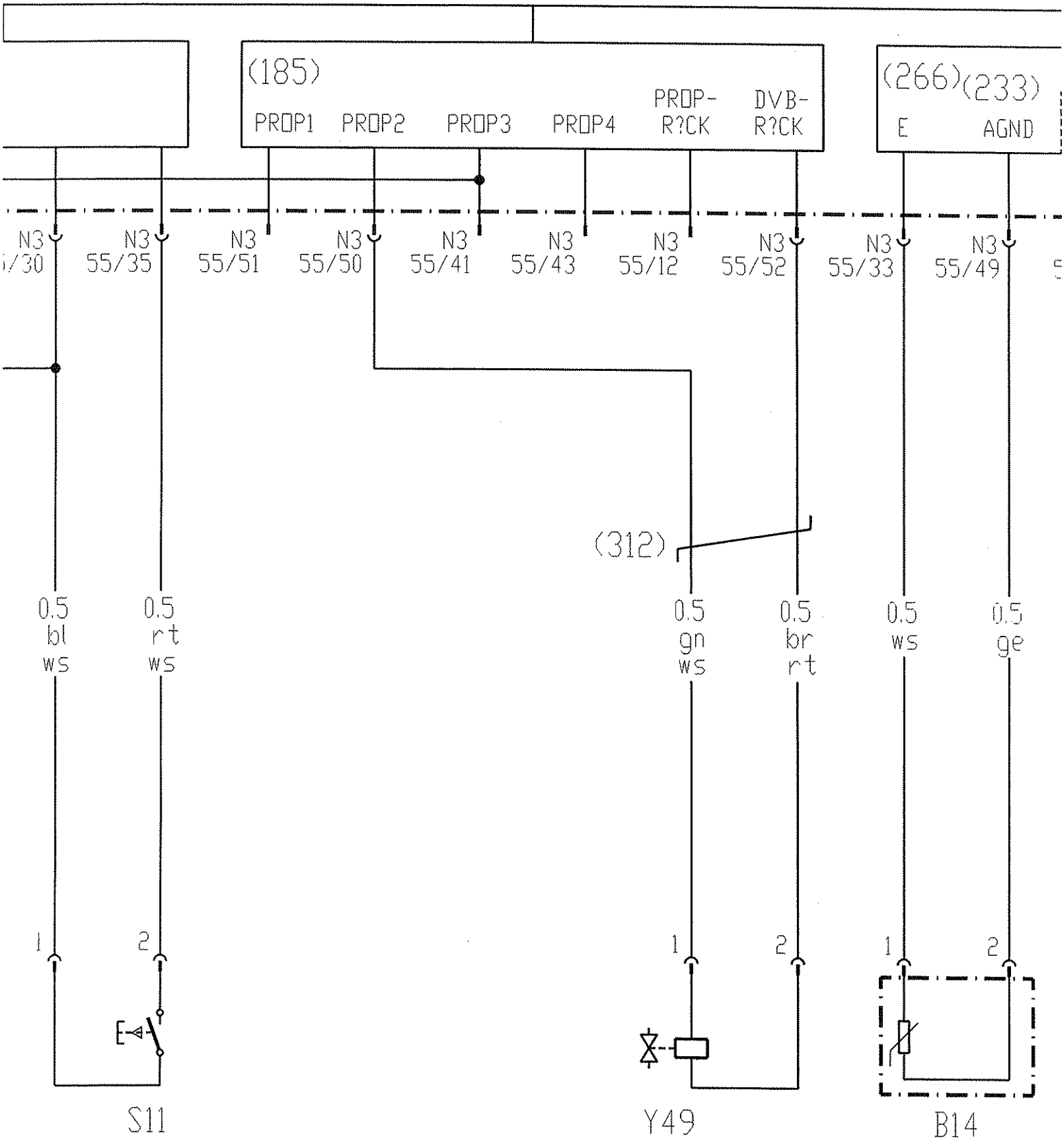
PE07.15-W-2002-60AA	Legend of wiring diagram engine control (MR)	Model 970, 972, 974, 975, 976 as of 01.03.99	
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Item	Designation	Coordinate
A3	FR/FMR control unit	8M
A6	MR/PLD control unit	2A 16A 28A 39A 51A 62A
A7	Base module	12M
B10	Fuel temperature sensor	45M
B12	Oil pressure sensor	37M
B14	Oil level sensor	25M
B15	Crankshaft angle position sensor	47M
B16	TDC sensor cylinder 1	49M
B65	Coolant temperature sensor	40M
B110	Oil combination sensor (temperature, pressure)	27M
B111	Charge air combination sensor (temperature, pressure)	35M
J52	Cable weld connector, to A3, A42, K24, X2.1-18/2, X47-18/5	5I
K24	Drive control, engine control relay, terminal 15	5M
M1	Starter	3M 14M
S1	Drive switch	6M
S10	Engine start pushbutton switch	16M
S11	Engine stop pushbutton switch	18M
W3	Ground point terminal 31 engine (in frame behind ABS right front axle solenoid valve)	1M 2M
X2.1	Engine plug connection	5F 11G 12G
X6.1	Cab-chassis plug connection	12I
X13	Diagnostic socket	11M
Y6	Unit pump cylinder 1	51H 51M
Y7	Unit pump cylinder 2	52M 54H
Y8	Unit pump cylinder 3	52H 57M
Y9	Unit pump cylinder 4	58M 60H
Y10	Unit pump cylinder 5	57H
Y11	Unit pump cylinder 6	58H

Y49	Hydraulic constant throttle (with inline 6 engine)	23M
(21)	Atmospheric pressure sensor	39C
(50)	CAN interface	8C
(63)	Diagnostics	11C
(138)	with GGVS	4F
(167)	Fuel temperature	45C
(171)	Coolant temperature	40C
(175)	Crankshaft angle and TDC recognition	47C
(176)	Crankshaft angle position	47C
(177)	Charge air pressure	35C
(178)	Charge air temperature	44C
(185)	Power output stages for proportioning valves	19C
(186)	Power output stages for unit pumps	51C
(209)	Engine start / engine stop	16C
(232)	Oil pressure	27C
(233)	Oil level	25C
(234)	Oil temperature	42C
(235)	TDC cylinder 1	49C
(266)	Signal acquisition and evaluation	24C
(267)	Temperature sensor signal acquisition and evaluation	40C
(273)	Voltage supply	1C
(279)	Starter actuation	14C
(285)	Control logic	1B
(312)	Cables twisted	7F 22G 46F 50F 50K 56F 56K
(342)	Oil pressure (mechanical)	37C
(343)	Inline 4 engine	61L
(344)	Inline 6 engine	62H
(350)	alternatively depending on version	6F 13G

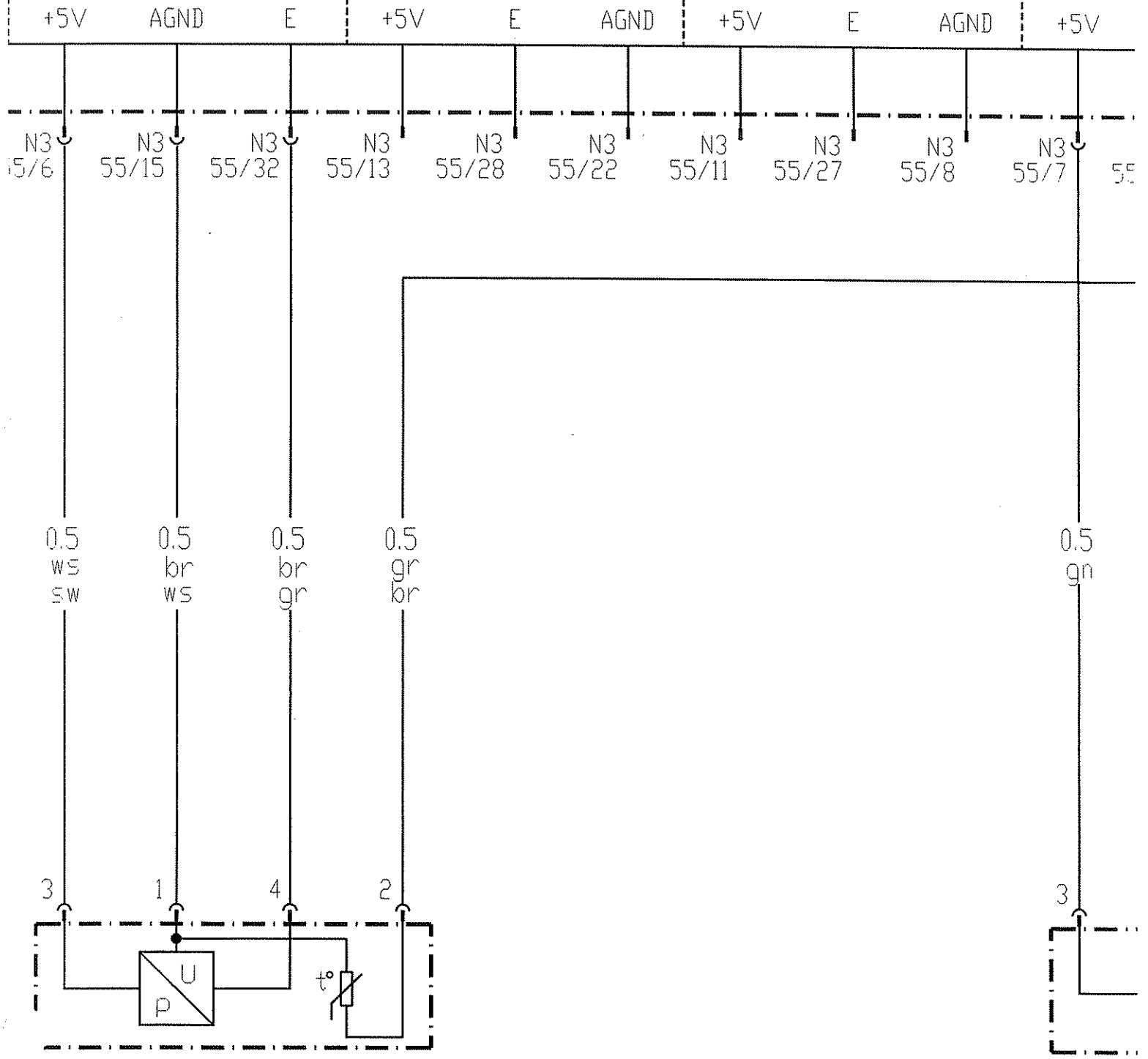
A6



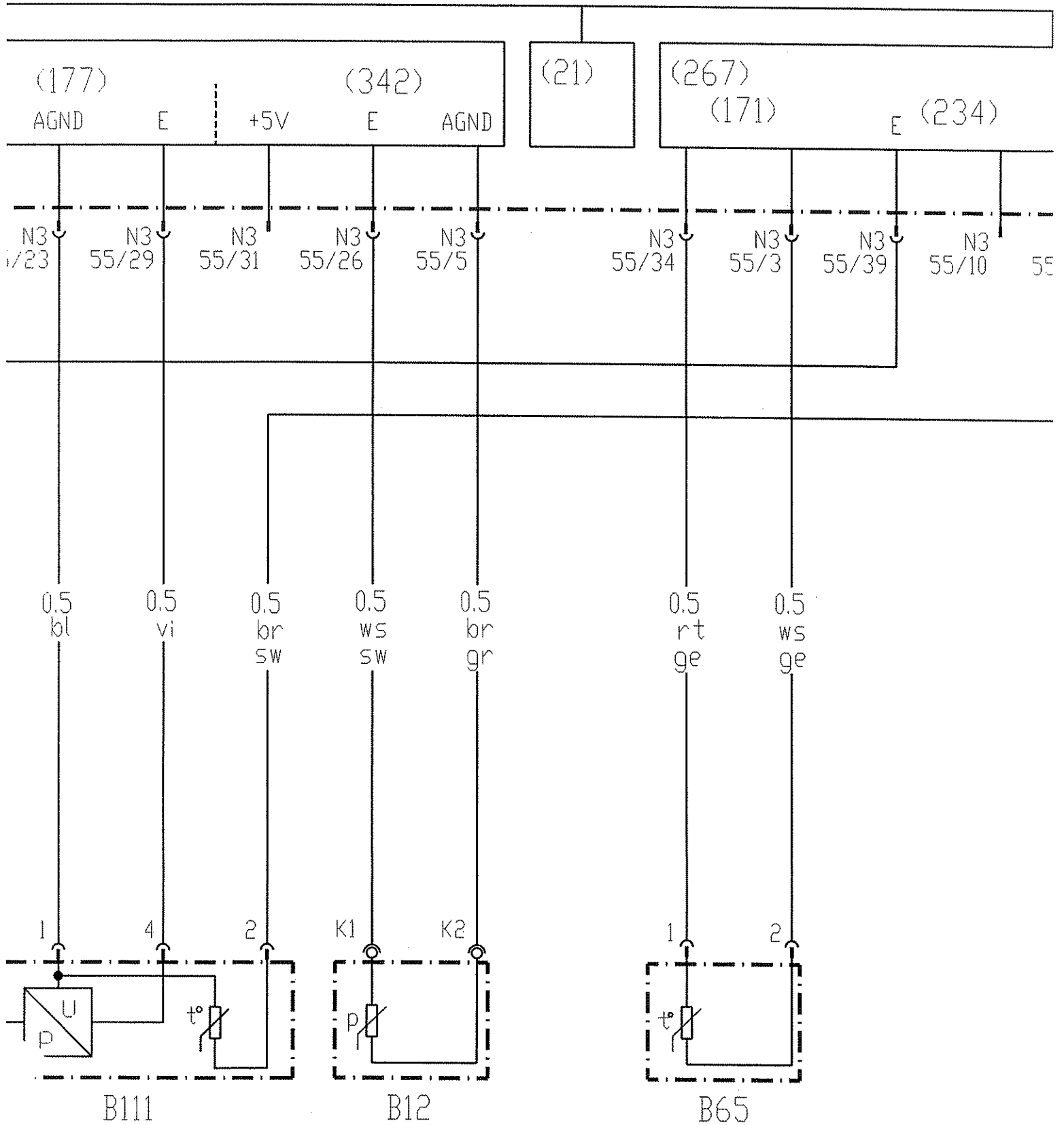


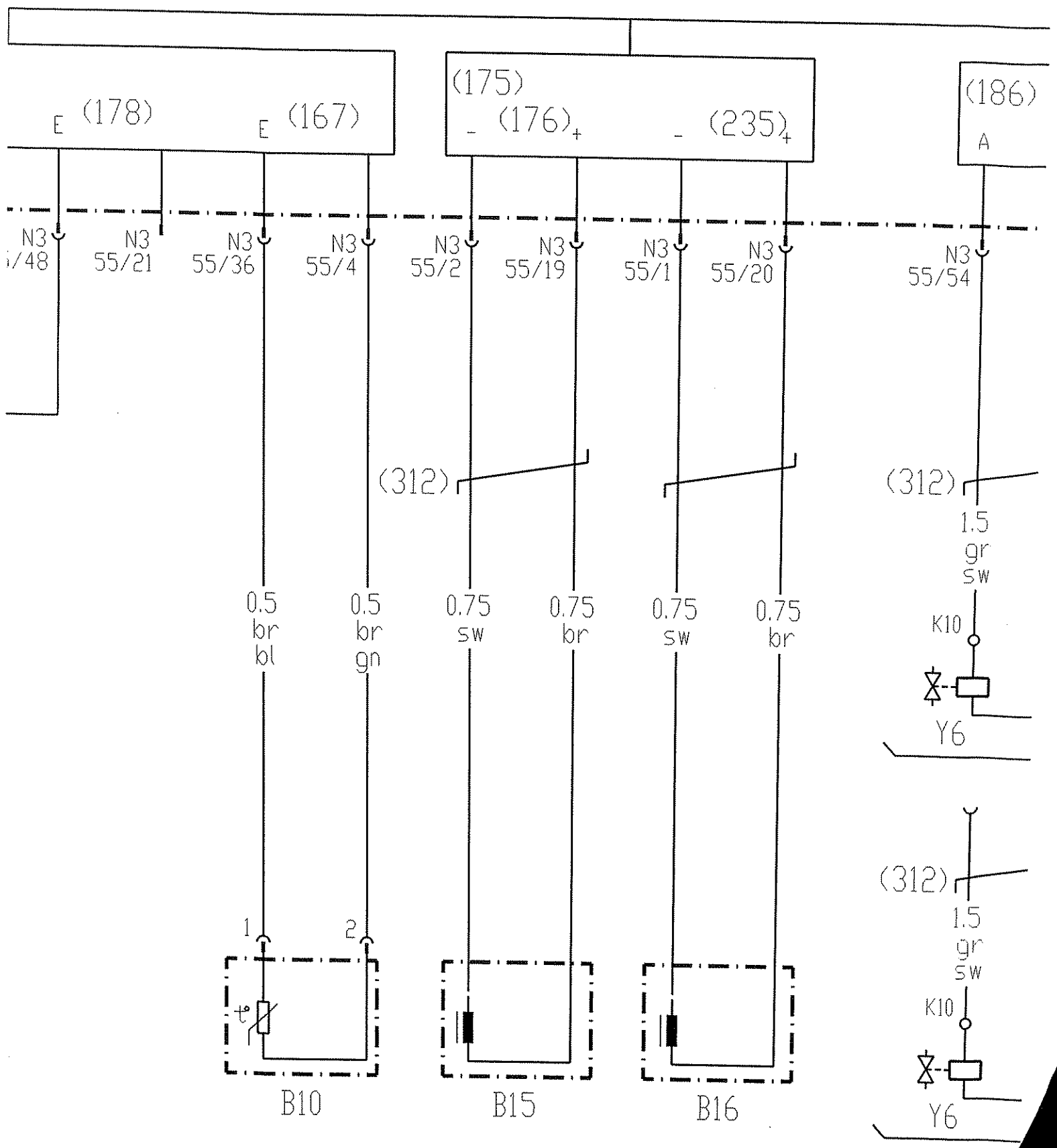
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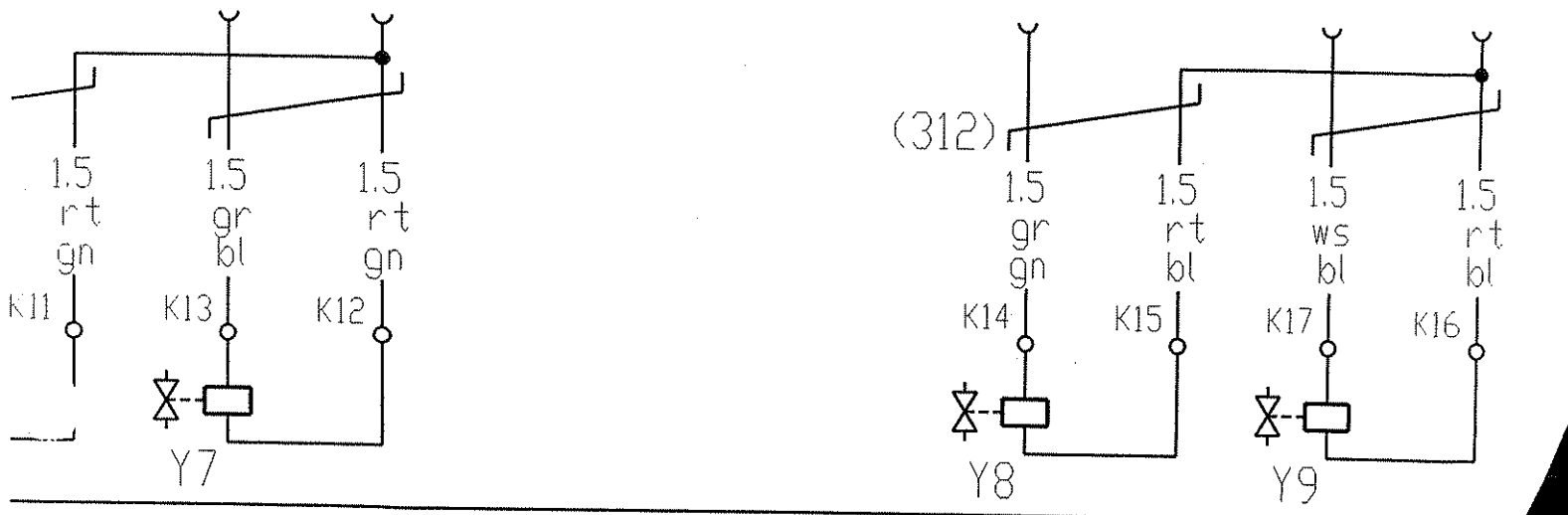
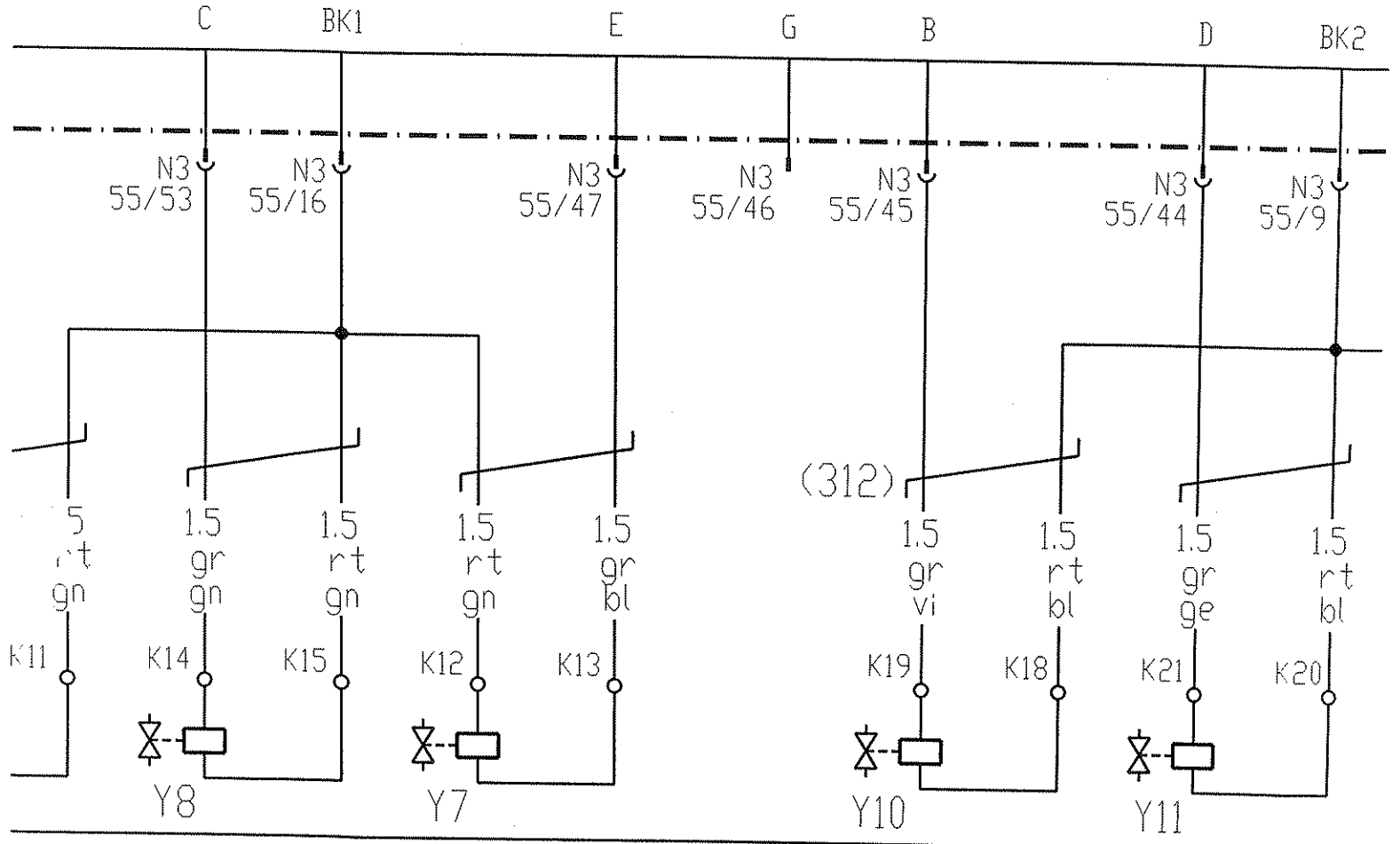
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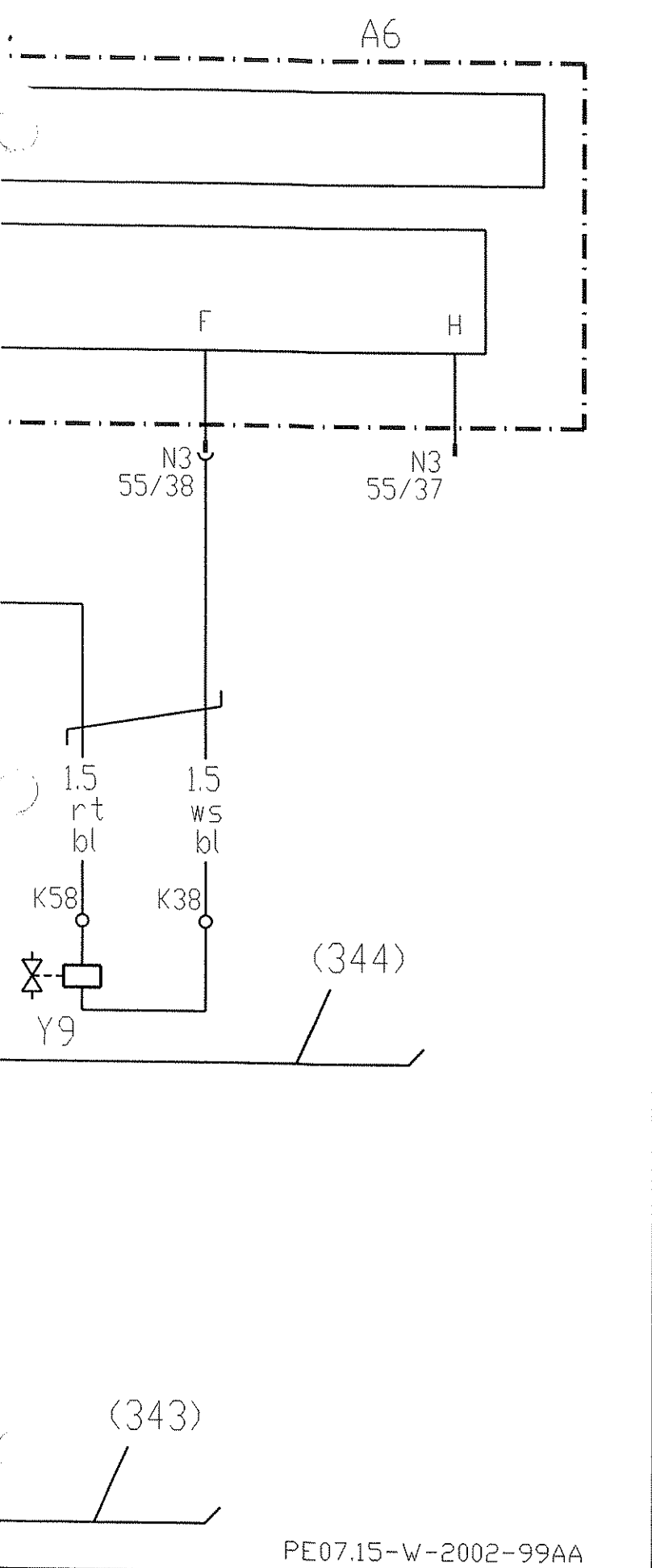
B110







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