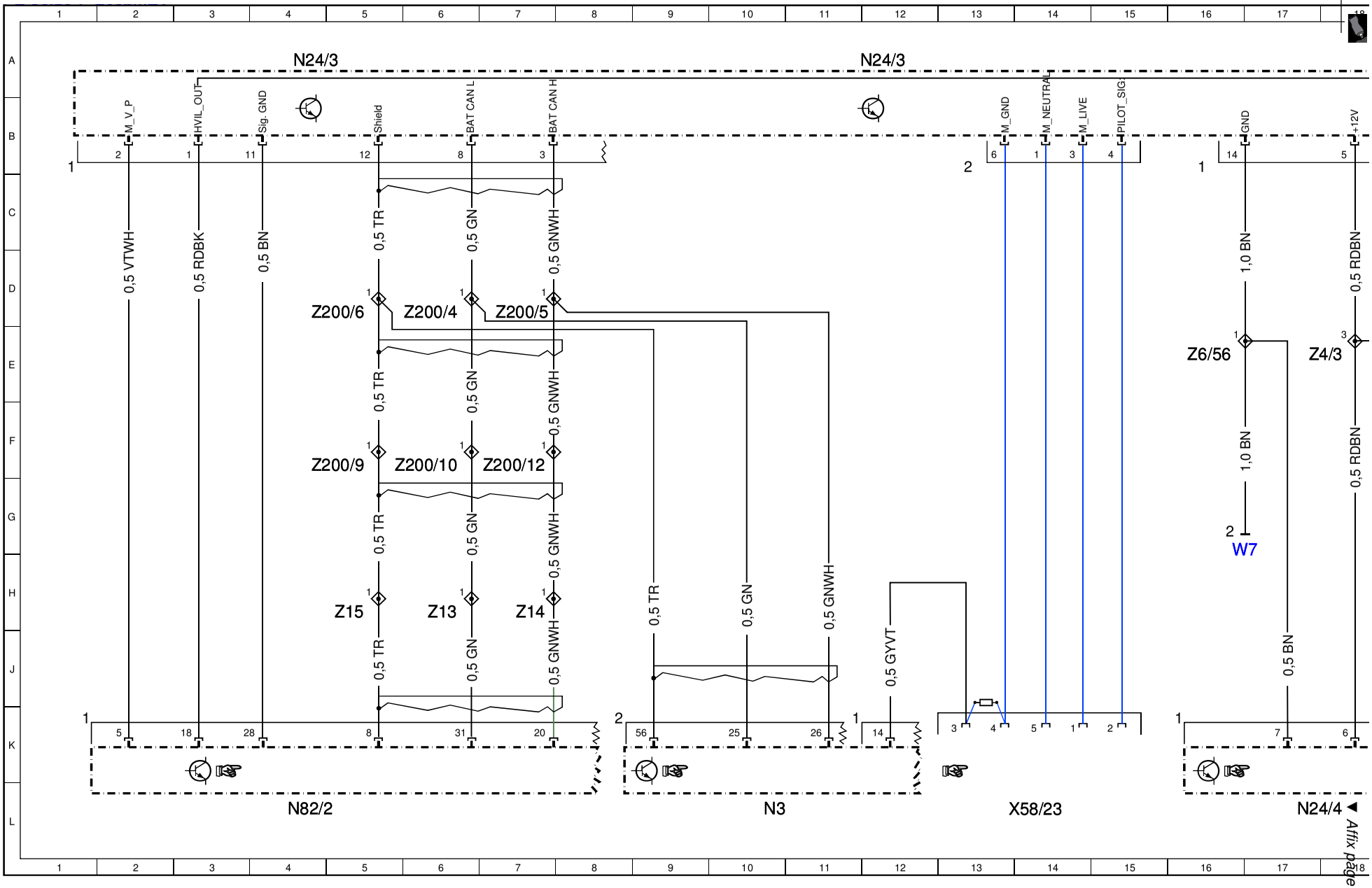
Document number: pe54.10-p-2003-97mev
Document title: Wiring diagram for battery charger control unit for high-voltage battery

Code:	Designation:	Position:
N10/10	SAM control unit	22L
N10/10f40	Fuse 40 (slot R5)	21L
N116/1	Refrigerant compressor control unit (EAC)	25L
N116/1x1	Refrigerant compressor control unit connector (EAC)	25J
N116/5	High-voltage distributor control unit	30L
N24/3	High-voltage AC/DC battery charger control unit	20A
N24/3	High-voltage AC/DC battery charger control unit	4A
N24/3	High-voltage AC/DC battery charger control unit	12A
N24/3	High-voltage AC/DC battery charger control unit	27A
N24/4	Smart battery charger control unit	17L
N3	EVCM electric vehicle control unit	10L
N82/2	Battery management system control unit	4L
R23x1	High-voltage PTC heater electrical connector	23E
W7	Ground (right wheelhouse in luggage compartment)	16H
X58/23	Charger feed-in socket	14L
X99/3	Vehicle wiring harness connector	25H
Z13	Connector sleeve 5 (solder joint in harness)	6H
Z14	Connector sleeve 6 (solder joint in harness)	7H
Z15	Connector sleeve 7 (solder joint in harness)	5H
Z200/10	Connector sleeve (terminal point in wiring harness)	6F
Z200/12	Connector sleeve (terminal point in wiring harness)	7F
Z200/4	Connector sleeve (terminal point in wiring harness)	6D
Z200/5	Connector sleeve (terminal point in wiring harness)	7D
Z200/6	Connector sleeve (terminal point in wiring harness)	5D
Z200/9	Connector sleeve (terminal point in wiring harness)	5F
Z4/3	Tml. 30 connector sleeve	18E
Z6/56	Circuit 31 connector sleeve	16E



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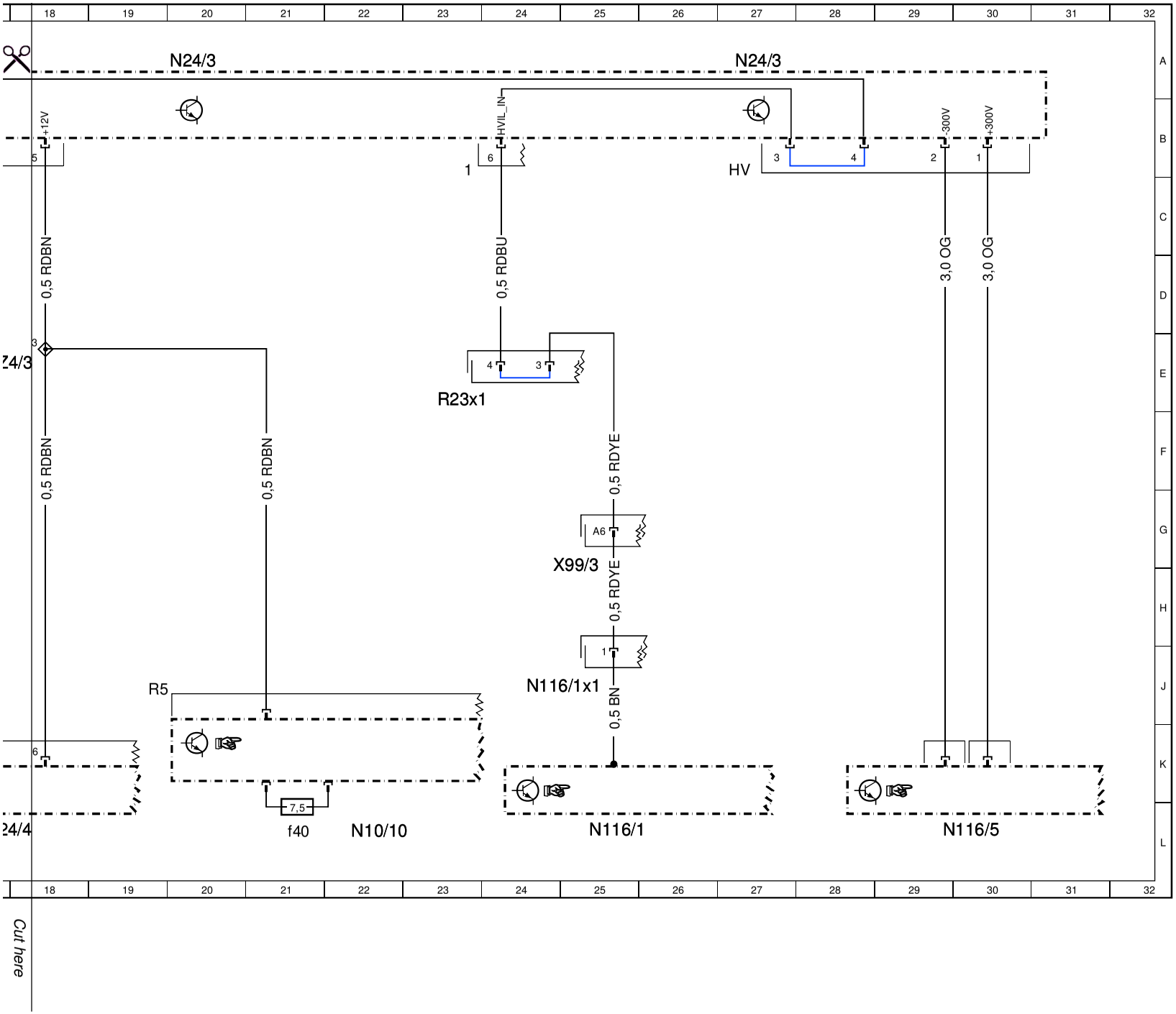
N24/3
N24/3
+12V
HVIL_IN
-300V
+300V
1
HV
0,5 RDBN
0,5 RDBU
3,0 OG
3,0 OG
R23x1
0,5 RDBN
0,5 RDBN
0,5 RDYE
A6
X99/3
0,5 RDYE
1
N116/1x1
0,5 BN
R5
7,5
f40
N10/10
N116/1
N116/5

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