

Document number: pe54.21-p-2106-97bc

Document title: Wiring diagram of front SAM control unit with fuse and relay module (N10/1)

Code:	Designation:	Position:
A0	Color code key	
A1	Instrument cluster	12L
A9	Refrigerant compressor	46L
B12/2	Refrigerant pressure and temperature sensor	40L
B12/2	Refrigerant pressure and temperature sensor	42L
B31	C-AAC [K-KLA] multifunction sensor	19L
B32/2	C-AAC [KLA] 4-way sun sensor	21L
E10/1	Center air outlet illumination	23L
E10/1x1	Center air outlet illumination connector	
E13/2	Glove compartment illumination with switch	27L
E36	Armrest stowage compartment illumination	25L
E9/7	Front ashtray illumination	31L
F32	Front prefuse	2L
F32f4	Prefuse 4	1K
F32f6	Prefuse 6	2K
F56	Starter, alternator fuse (in wiring harness)	70G
G1	Battery	65L
G2	Alternator	56L
M1	Starter	68L
M13	Coolant circulation pump	37L
M33	Electric air pump	90L
M5/2	HCS [SRA] pump	35L
M5/2x1	HCS [SRA] pump connector	35G
M6/1	Wiper motor	45L
M6/1x1	Wiper motor connector	
N10/1	Front SAM control unit with fuse and relay module	4A
N10/1	Front SAM control unit with fuse and relay module	12A
N10/1	Front SAM control unit with fuse and relay module	28A
N10/1	Front SAM control unit with fuse and relay module	20A
N10/1	Front SAM control unit with fuse and relay module	46A
N10/1	Front SAM control unit with fuse and relay module	61A
N10/1	Front SAM control unit with fuse and relay module	68A
N10/1	Front SAM control unit with fuse and relay module	77A
N10/1	Front SAM control unit with fuse and relay module	90A
N10/1	Front SAM control unit with fuse and relay module	87L
N10/1	Front SAM control unit with fuse and relay module	36A
N10/1	Front SAM control unit with fuse and relay module	52A
N10/1	Front SAM control unit with fuse and relay module	85A
N10/1f46	Fuse 46	39C

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Code:	Designation:	Position:
N10/1f47	Fuse 47	27C
N10/1f48	Fuse 48	
N10/1f51	Fuse 51	12C
N10/1f52	Fuse 52	72C
N10/1f53	Fuse 53	75C
N10/1f54	Fuse 54	81C
N10/1f57	Fuse 57	3C
N10/1f65	Fuse 65	85C
N10/1kL	Wiper stage 1-2 relay	
N10/1kM	Circuit 15R relay	
N10/1kO	Air pump relay	
N10/1kP	Circuit 15 (2)/spare 1 relay (changeover contact)	
N10/1kQ	Wiper ON/OFF relay	
N10/1kR	Circuit 87 relay, engine	
N10/1kS	Starter relay	
N22/7	Comfort AAC [KLA] control and operating unit	16L
N3/10	ME-SFI [ME] control unit	53L
N3/10	ME-SFI [ME] control unit	49L
N3/9	CDI control unit	61L
N33/2	Heater booster control unit	64L
N37/4	NOX (nitrogen oxides) control unit	84L
N73	EIS [EZS] control unit	8L
N80	Steering column module	5L
R3	Front cigar lighter (with illumination)	29L
R3e1	Illumination	29L
R3r1	Heating element	28L
R3x1	Front cigar lighter connector	28J
U1	Valid for {{USA}}	82F
U103	Valid for secondary air injection	89E
U12	Valid for left-hand drive vehicles	22E
U12	Valid for left-hand drive vehicles	67E
U13	Valid for right-hand drive vehicles	22E
U13	Valid for right-hand drive vehicles	69E
U137	Valid for engine 112 and 113	68E
U137	Valid for engine 112 and 113	70E
U150	Valid for engine 112	74J
U151	Valid for engine 113	74J
U152	Valid for engine 156	51F
U152	Valid for engine 156	74L

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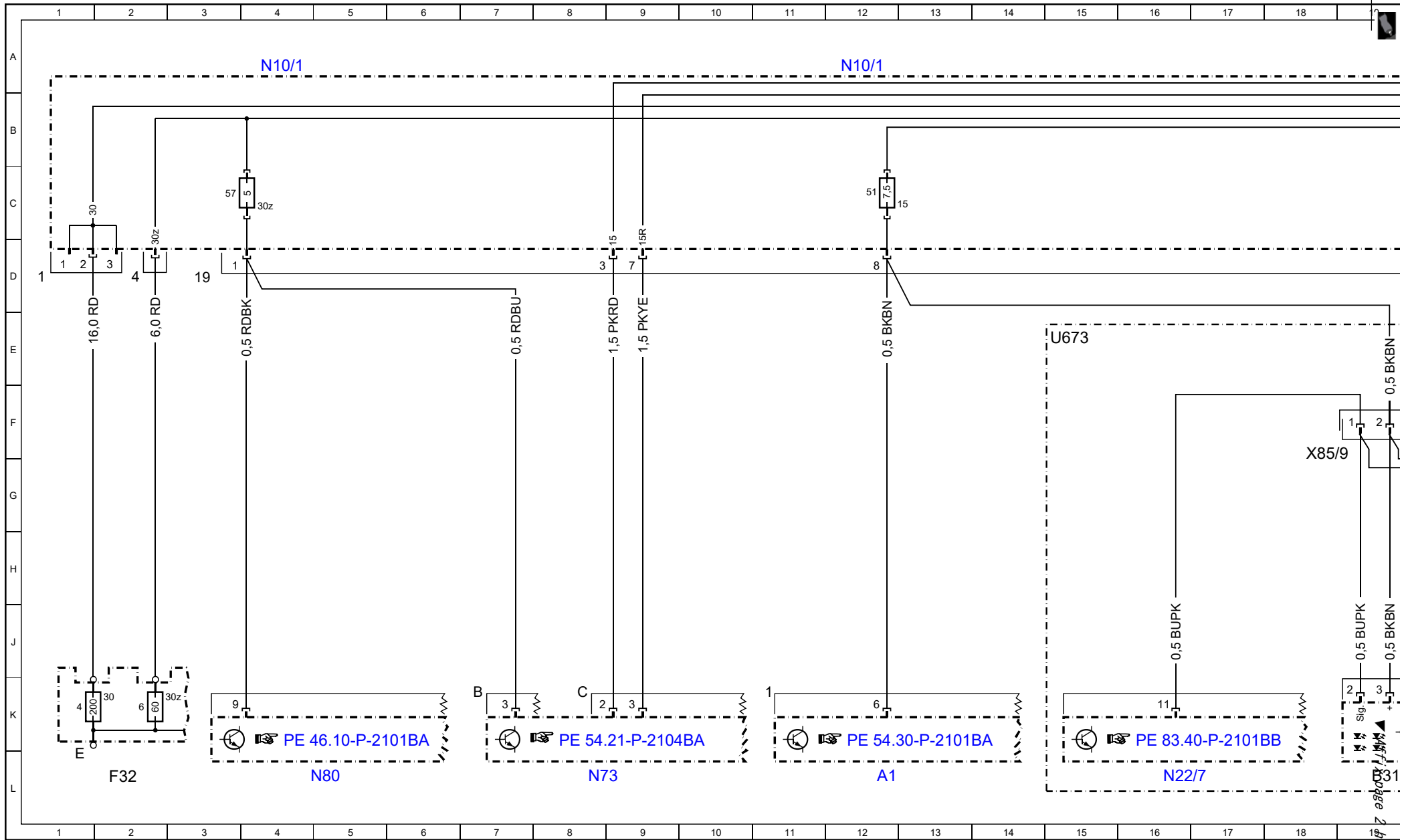
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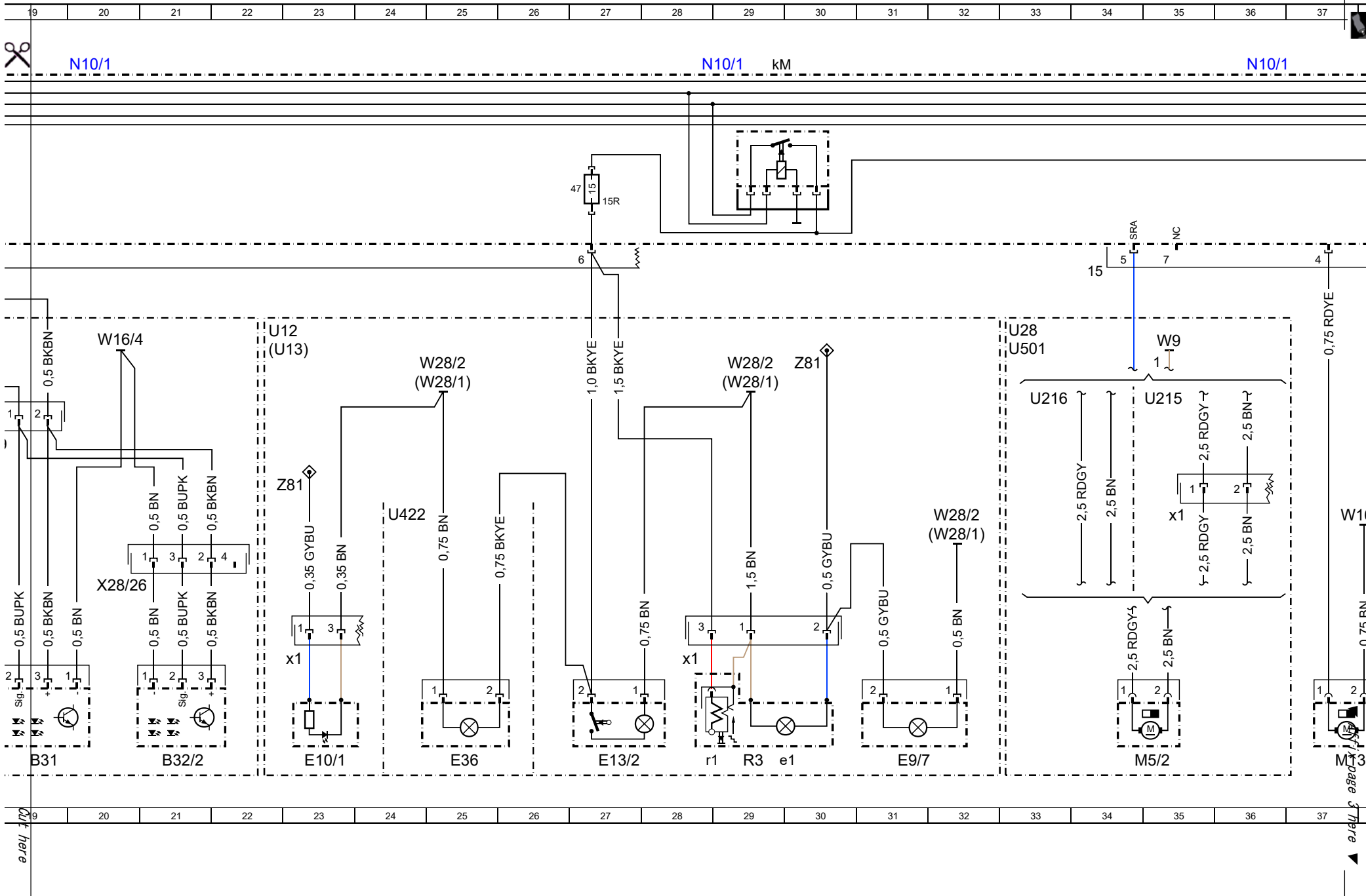
Code:	Designation:	Position:
U152	Valid for engine 156	74K
U152	Valid for engine 156	
U199	Valid for engine 612	59G
U199	Valid for engine 612	69E
U215	Valid for CLK 63 AMG, code P98	35F
U215	Valid for CLK 63 AMG, code P98	74L
U215	Valid for CLK 63 AMG, code P98	
U216	Valid for all except CLK 63 AMG, code P98	33F
U216	Valid for all except CLK 63 AMG, code P98	74K
U216	Valid for all except CLK 63 AMG, code P98	51F
U216	Valid for all except CLK 63 AMG, code P98	
U28	Valid for headlamp cleaning system	33E
U422	Valid without booster blower	24G
U424	Valid for M271 CGI	83F
U424	Valid for M271 CGI	47F
U474	Valid for M271 ME	47F
U484	Valid for M273 ME	88E
U484	Valid for M273 ME	74K
U501	Valid for xenon headlamps	33E
U673	Valid for comfort AAC [K-KLA]	15E
U739	Valid for engine 271	82E
U740	Valid for engine 646	59H
U740	Valid for engine 646	78E
U819	Valid for engine 272	74K
U819	Valid for engine 272	
W10	Ground (battery)	65G
W11/3	Ground (engine, left)	91G
W16/3	Ground (left assembly compartment, power ground)	59L
W16/4	Ground (right assembly compartment, power ground)	20E
W16/4	Ground (right assembly compartment, power ground)	37G
W28/1	Ground (left inner door sill)	32H
W28/1	Ground (left inner door sill)	25F
W28/1	Ground (left inner door sill)	29F
W28/2	Ground (right inner door sill)	32G
W28/2	Ground (right inner door sill)	25E
W28/2	Ground (right inner door sill)	29E
W9	Ground (left front, at lamp unit)	35E
X25/4	Fuel tank (pressure, activated charcoal filter) connector	82G
X25/9	Activated charcoal filter connector	82H

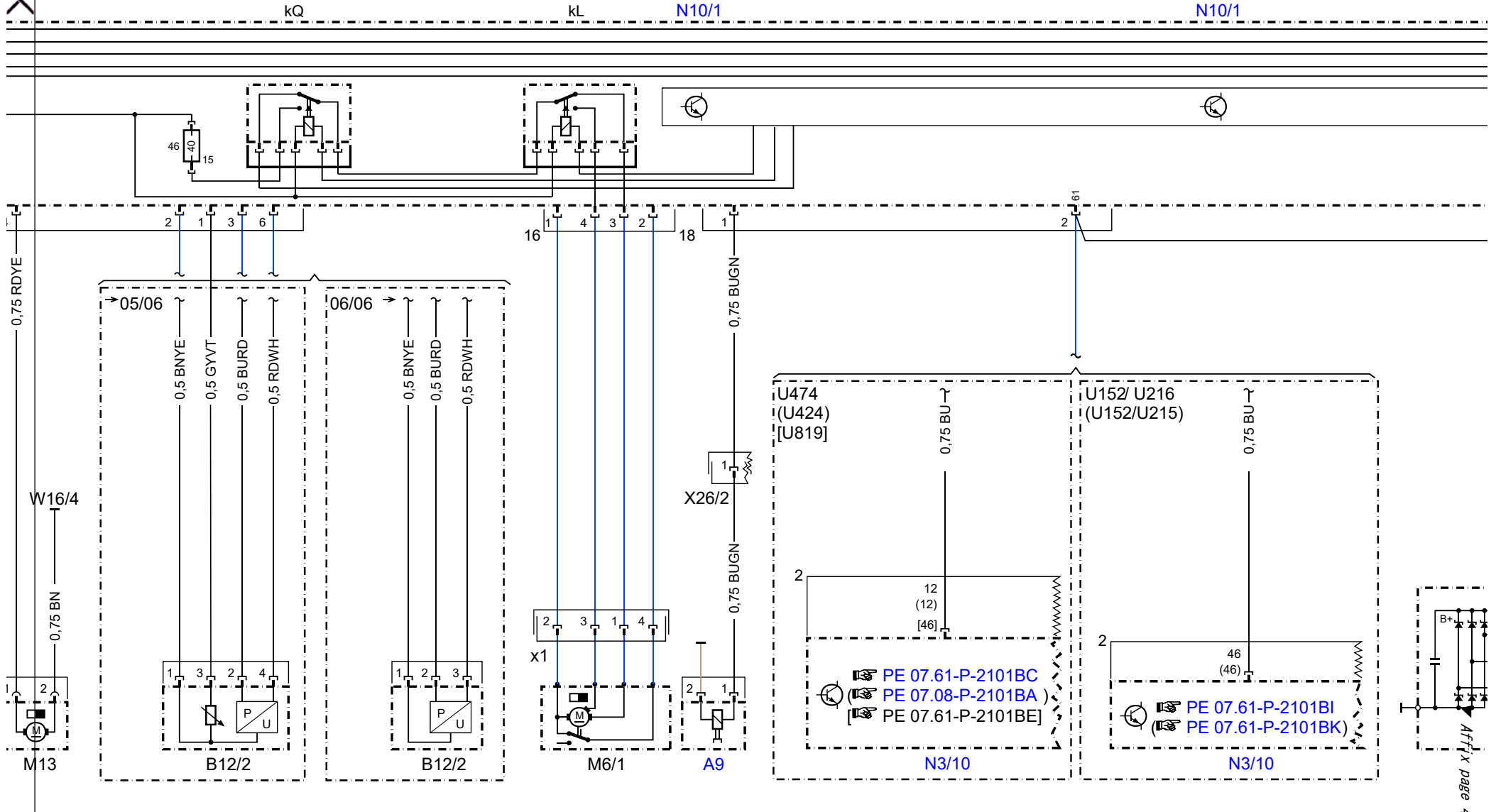
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Code:	Designation:	Position:
X26/2	Engine separation point connector	46G
X26/2	Engine separation point connector	58J
X26/2	Engine separation point connector	72G
X26/2	Engine separation point connector	86G
X26/2	Engine separation point connector	88G
X28/26	Sun sensor connector	20H
X85/9	Cockpit/AC sensors connector	18G
X86/1	NOX control unit separation point	84H
X86/2	NOX temperature sensor connector	84G
Y58/4	Activated charcoal filter shutoff valve	83L
Z7/36	Circuit 87 M2e connector sleeve	86H
Z7/36	Circuit 87 M2e connector sleeve	88H
Z81	Circuit 58d connector sleeve	23G
Z81	Circuit 58d connector sleeve	30E

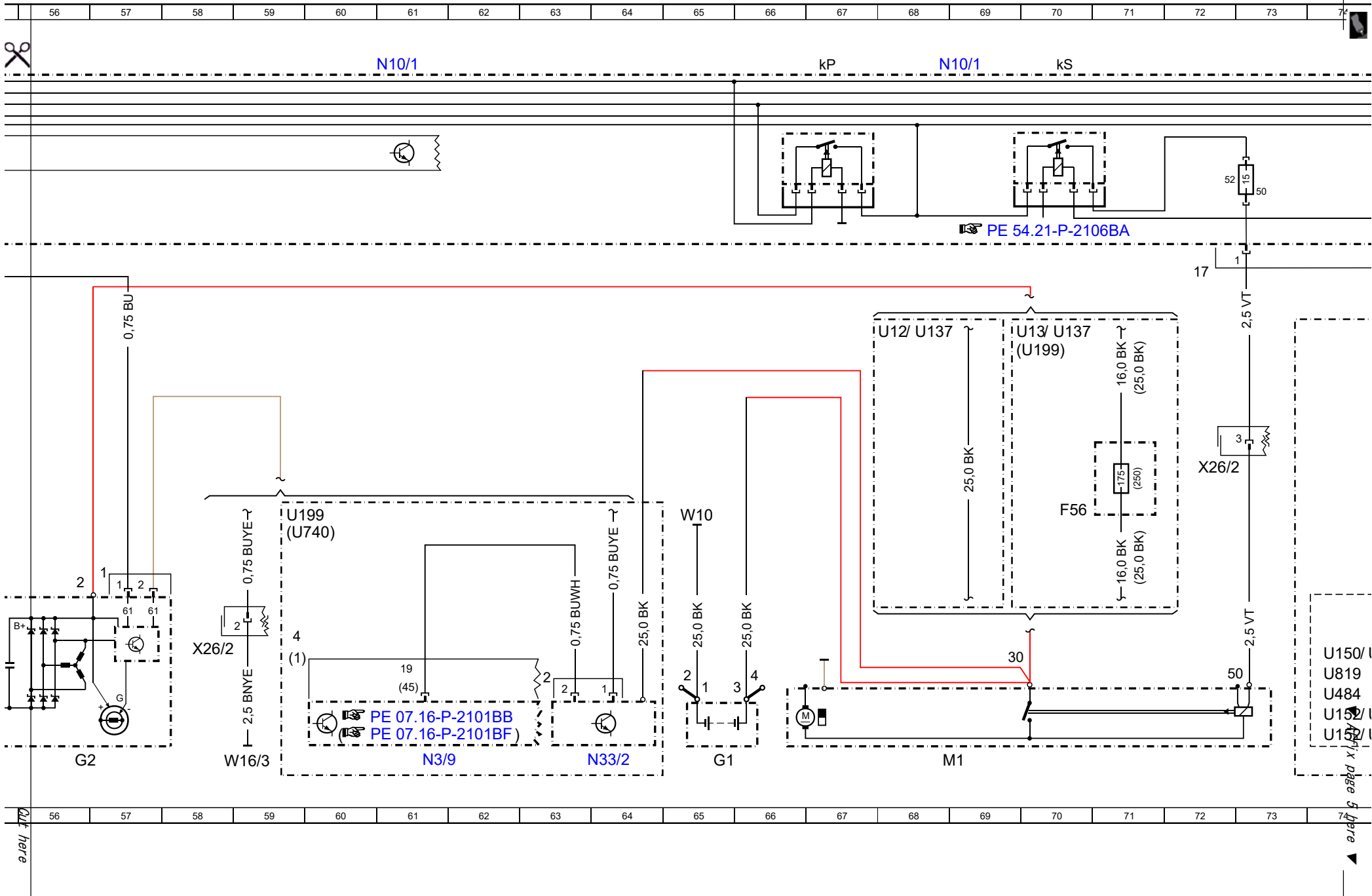


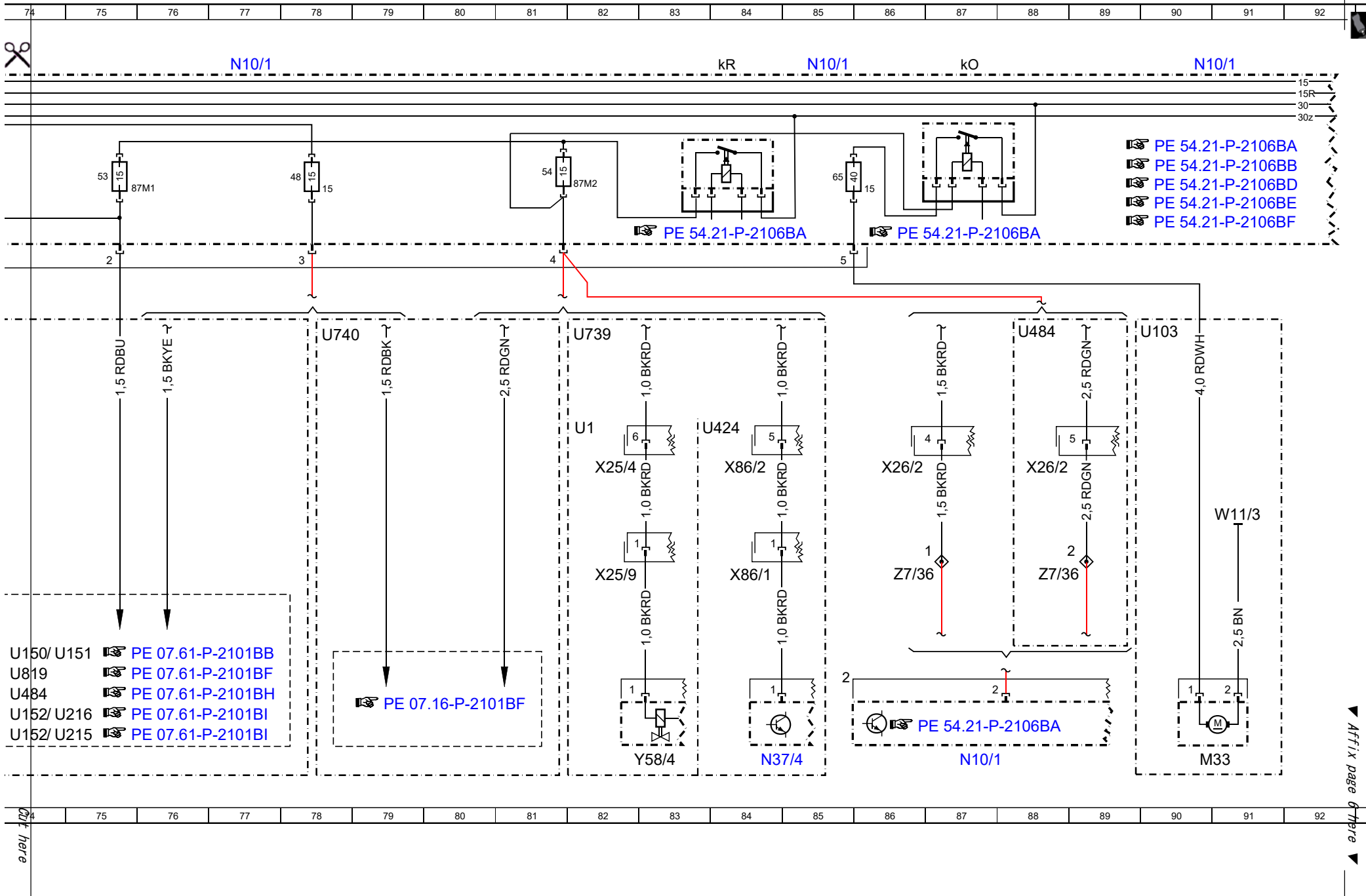




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- U150/ U151 PE 07.61-P-2101BB
- U819 PE 07.61-P-2101BF
- U484 PE 07.61-P-2101BH
- U152/ U216 PE 07.61-P-2101BI
- U152/ U215 PE 07.61-P-2101BI

- PE 54.21-P-2106BA
- PE 54.21-P-2106BB
- PE 54.21-P-2106BD
- PE 54.21-P-2106BE
- PE 54.21-P-2106BF

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