

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

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

Code:	Designation:	Position:
A0	Color code key	121L
B12	Refrigerant pressure sensor	19L
B14	Outside temperature sensor	21L
CAN B	Interior CAN	90K
Code 580	Air conditioning	9J
Code 581	Automatic air conditioning	9J
Code 990	AMG vehicles	98G
E43/6	Center console ambience illumination	46L
E43/6	Center console ambience illumination	72L
E43/7	Driver-side instrument panel ambience illumination	32L
E43/7	Driver-side instrument panel ambience illumination	54L
E43/8	Passenger-side instrument panel ambience illumination	40L
E43/8	Passenger-side instrument panel ambience illumination	63L
F1/1	Fuse box	3L
H2	Left fanfare horn	96L
H2	Left fanfare horn	100L
H2/1	Right fanfare horn	97L
M5/1	Windshield washer system pump	103L
M5/1	Windshield washer system pump	108L
M5/2	Headlamp cleaning system pump	112L
N10/1	Front SAM control unit with fuse and relay module	20A
N10/1	Front SAM control unit with fuse and relay module	5A
N10/1	Front SAM control unit with fuse and relay module	43A
N10/1	Front SAM control unit with fuse and relay module	52A
N10/1	Front SAM control unit with fuse and relay module	85A
N10/1	Front SAM control unit with fuse and relay module	92A
N10/1	Front SAM control unit with fuse and relay module	100A
N10/1	Front SAM control unit with fuse and relay module	13A
N10/1	Front SAM control unit with fuse and relay module	36A
N10/1	Front SAM control unit with fuse and relay module	60A
N10/1	Front SAM control unit with fuse and relay module	68A
N10/1	Front SAM control unit with fuse and relay module	76A
N10/1	Front SAM control unit with fuse and relay module	28A
N10/1	Front SAM control unit with fuse and relay module	108A
N10/1f31A	Fuse 31A	94A
N10/1f31B	Fuse 31B	95A
N10/1k0	Fanfare horn relay	97A
N30/4	Electronic Stability Program control unit	84L
N30/4	Electronic Stability Program control unit	84L

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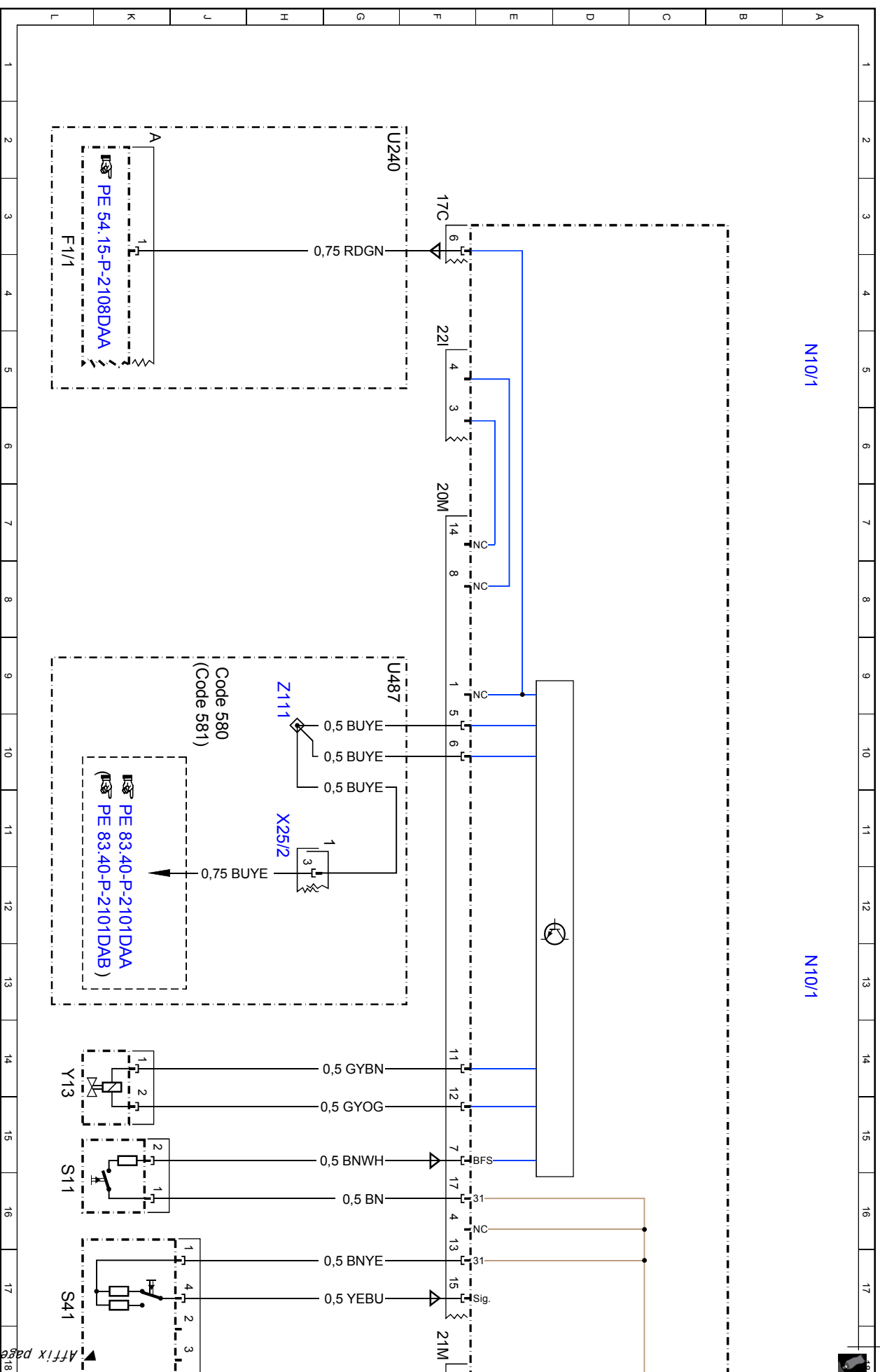
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Code:	Designation:	Position:
N30/7	Premium Electronic Stability Program control unit	83L
N30/7	Premium Electronic Stability Program control unit	85L
S10/2	Right front brake wear sensor	88L
S10/2x1	Right front brake wear sensor electrical connector	88K
S10/4	Right rear brake wear sensor	81L
S10/4x1	Right rear brake wear sensor electrical connector	80K
S11	Brake fluid level switch	15L
S41	Coolant level switch	17L
S42	Windshield washer system fluid level switch	17L
U1028	Valid for engine 157	28L
U1028	Valid for engine 157	24G
U1033	Not valid for engine 157	106A
U1033	Not valid for engine 157	22G
U1033	Valid for left-hand drive vehicles	102B
U12	Valid for left-hand drive vehicles	33J
U12	Valid for left-hand drive vehicles	92G
U12	Valid for left-hand drive vehicles	92G
U12	Valid for left-hand drive vehicles	29G
U12	Valid for left-hand drive vehicles	56J
U12	Valid for left-hand drive vehicles	22G
U12	Valid for left-hand drive vehicles	102A
U13	Valid for right-hand drive vehicles	33J
U13	Valid for right-hand drive vehicles	92G
U13	Valid for right-hand drive vehicles	29G
U13	Valid for right-hand drive vehicles	56J
U13	Valid for right-hand drive vehicles	22G
U13	Valid for right-hand drive vehicles	24G
U13	Valid for right-hand drive vehicles	102A
U240	Valid for all except ECO start/stop function	106A
U28	Valid for headlamp cleaning system	2G
U416	Valid for one-color ambient illumination	111G
U417	Valid for three-color ambient illumination	31G
U429	Valid for all except AMG	52G
U487	Valid for refrigerant compressor with magnetic clutch	94G
U57	Valid for model 212. 2	9G
U57	Valid for model 212. 2	103G
U58	Valid for model 212. 0/1	107F
U58	Valid for model 212. 0/1	104G
U938	Valid for ESP Basic	109F
U938	Valid for ESP Basic	82G
U938	Valid for ESP Basic	82G
U938	Valid for ESP Basic	82G

Code:	Designation:	Position:
U939	Valid for ESP Premium	836
U939	Valid for ESP Premium	826
W15/5	Left front footwell ground point	33L
W15/5	Left front footwell ground point	93L
W15/5	Left front footwell ground point	30L
W15/5	Left front footwell ground point	57L
W15/7	Right front footwell ground point	33L
W15/7	Right front footwell ground point	93L
W15/7	Right front footwell ground point	30L
W15/7	Right front footwell ground point	57L
W19	Right front seat crossmember ground point	82L
W2	Right front ground point at lamp unit	87L
W2	Right front ground point at lamp unit	97G
W9	Left front ground point (at lamp unit)	95G
W9	Left front ground point (at lamp unit)	113G
X138/1	Front center console electrical connector	47H
X157/1	Center console ambient illumination electrical connector	45H
X157/1	Center console ambient illumination electrical connector	71H
X157/4	Left front door ambient illumination electrical connector	31H
X157/4	Left front door ambient illumination electrical connector	53H
X157/5	Right front door ambient illumination electrical connector	36H
X157/5	Right front door ambient illumination electrical connector	59H
X18	Vehicle interior and harness for tail lamp electrical connector	50H
X18	Vehicle interior and harness for tail lamp electrical connector	76H
X203/4	Windshield washer system pump electrical connector	77H
X203/4	Windshield washer system pump electrical connector	25J
X25/2	Engine compartment/interior electrical connector	106J
X30/32	Left vehicle floor interior CAN voltage distributor electrical connector	11H
X30/32	Left vehicle floor interior CAN voltage distributor electrical connector	90L
X62/33	Rear axle electrical connector, right distributor	80H
X62/6	Front axle electrical connector, right distributor	88H
Y13	Fresh air/recirculated air flap switchover valve	14L
Z111	Air conditioning connector sleeve 1	9H
Z50/32z1	Cockpit connector sleeve (fused), circuit 30	50L
Z50/32z1	Cockpit connector sleeve (fused), circuit 30	74L
Z50/32z2	Cockpit connector sleeve (fused), circuit 30	43L
Z50/32z2	Cockpit connector sleeve (fused), circuit 30	67L
Z50/32z3	Cockpit connector sleeve (fused), circuit 30	55L
Z50/32z3	Cockpit connector sleeve (fused), circuit 30	75L

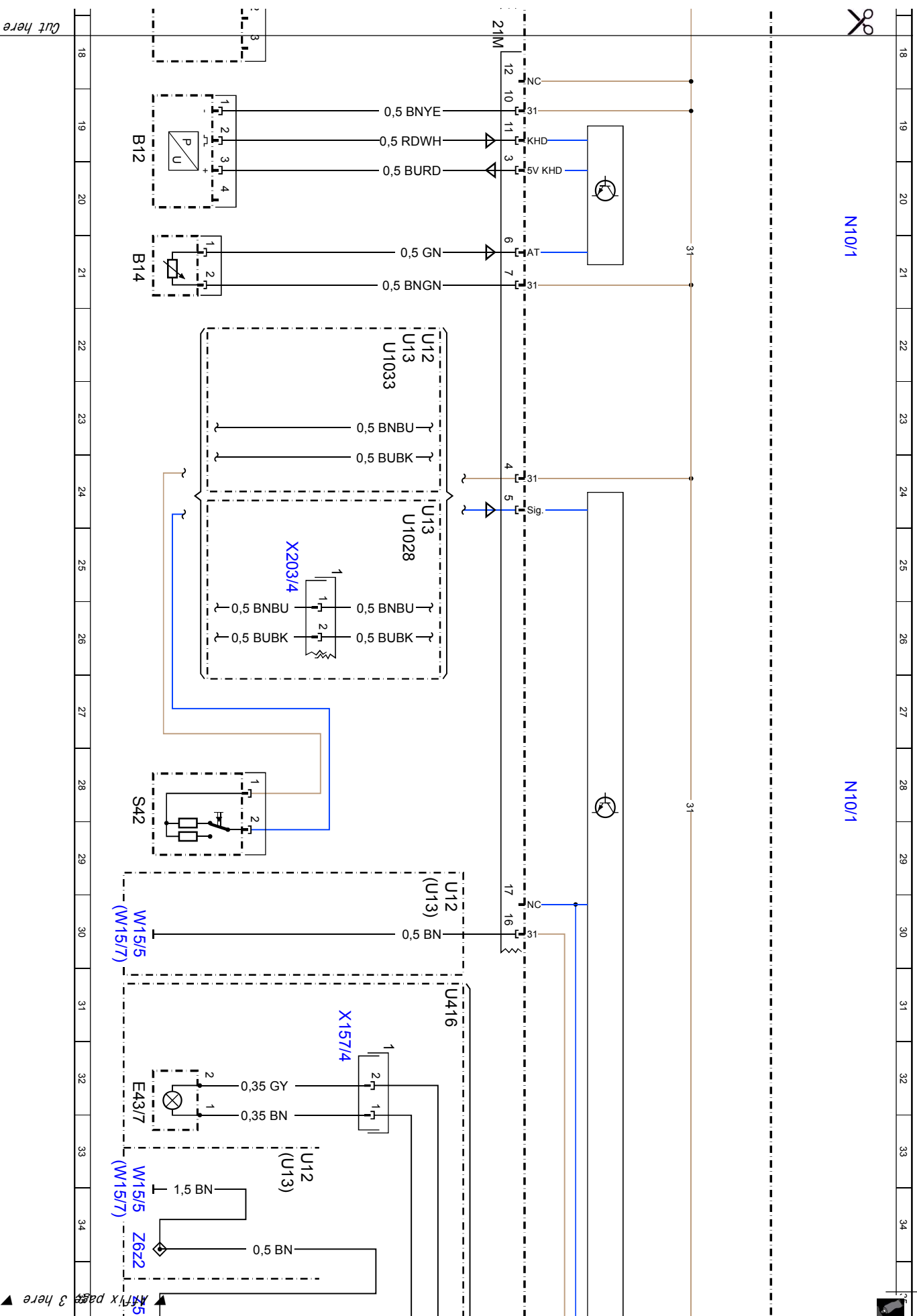
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Code:	Designation:	Position:
Z50/32z4	Cockpit connector sleeve (fused), circuit 30	69L
Z50/3z1	Circuit 31 instrument panel connector sleeve	35L
Z50/3z2	Circuit 31 instrument panel connector sleeve	37L
Z50/3z2	Circuit 31 instrument panel connector sleeve	60L
Z6/56	Circuit 31 connector sleeve	95H
Z6/56	Circuit 31 connector sleeve	113H
Z6/56	Circuit 31 connector sleeve	105H
Z6/56	Circuit 31 connector sleeve	110G
Z6/97	Right lamp unit circuit 31 connector sleeve	97H
Z6/97	Right lamp unit circuit 31 connector sleeve	101H
Z61/5	Center console wiring harness circuit 31 connector sleeve	44L
Z61/5	Center console wiring harness circuit 31 connector sleeve	70L
Z61/7	Wiring harness connector sleeve for center console, terminal 58d	73L
Z6z2	Circuit 31 connector sleeve	34L
Z6z4	Circuit 31 connector sleeve	58L



N10/1

N10/1



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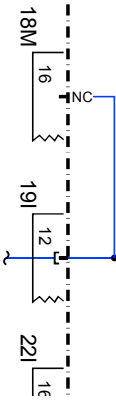
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N10/1

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X157/5

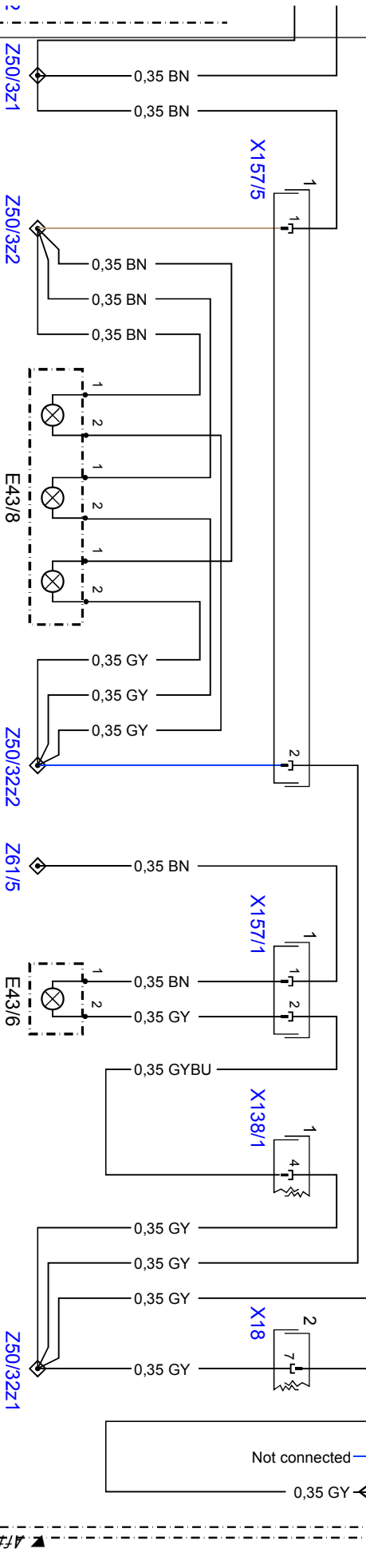
X157/1

X138/1

X18

Not connected

0,35 GY



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52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69
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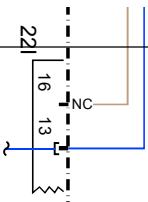


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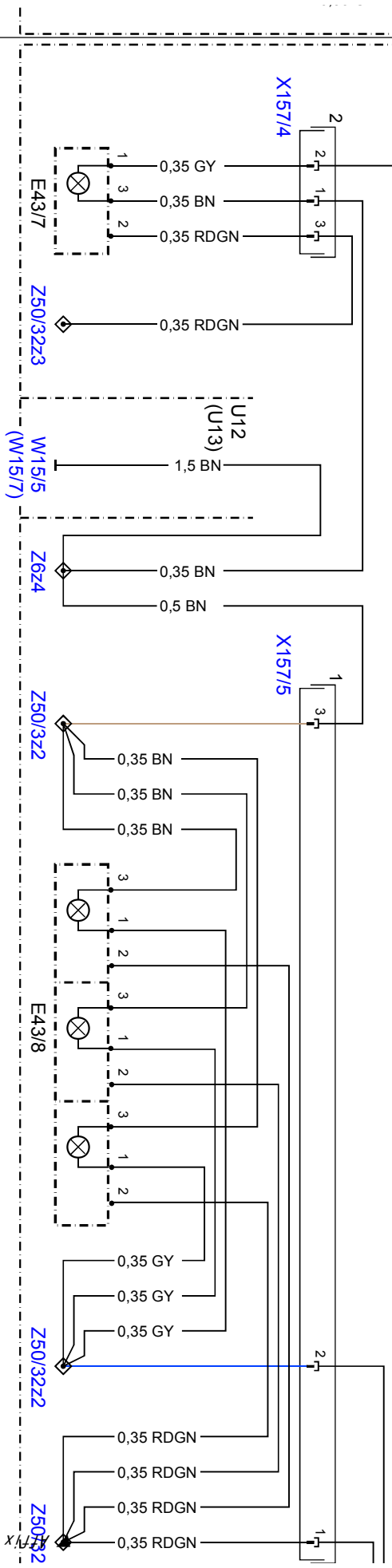
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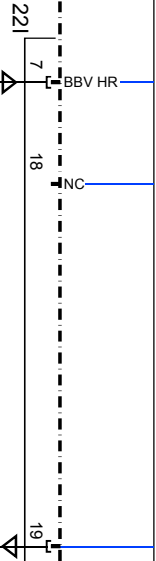


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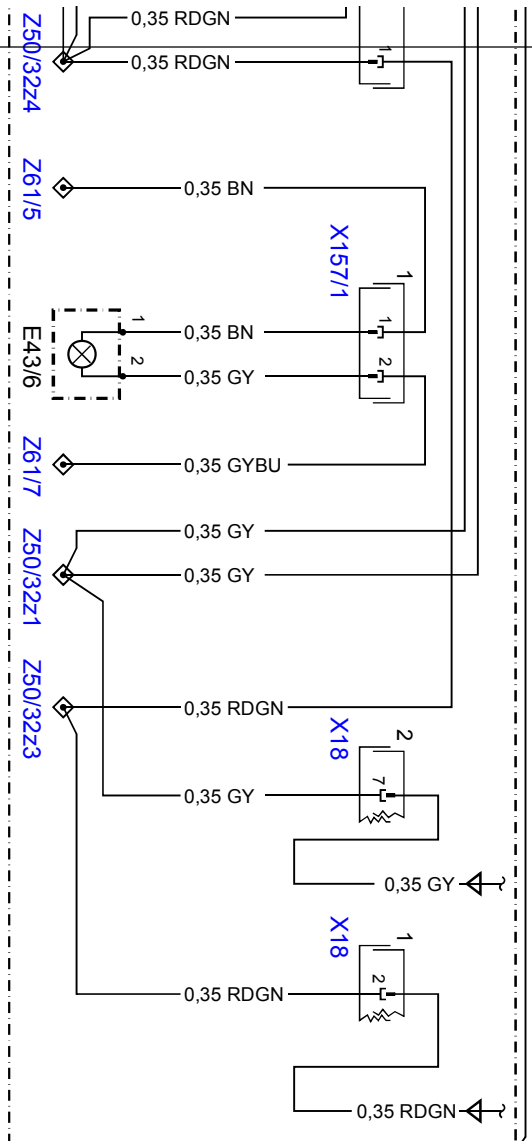
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31



U938 → 02/13
(U939 → 02/13)
[U938/ U939 03/13 →]

(0,75 BUBN) 0,5 BUBN



N30/4
(N30/7) [N30/4] / [N30/7]

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