

Document number: pe54_21-p-2106-99fa

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

Code:

Designation:

Position:

| | | |
|----------|--|------|
| A0 | Explanation of color codes | 80 L |
| F32 | Front prefuse | 2 L |
| F32f4 | Prefuse 4 | 1 K |
| F32f6 | Prefuse 6 | 3 K |
| M4/7 | Electric suction fan engine and AC with integrated control | 17 L |
| M4/7 | Electric suction fan engine and AC with integrated control | 21 L |
| N10/1 | Electric suction fan engine and AC with integrated control | 25 L |
| N10/1 | Front SAM control module with fuse and relay module | 4 A |
| N10/1 | Front SAM control module with fuse and relay module | 12 A |
| N10/1 | Front SAM control module with fuse and relay module | 20 A |
| N10/1 | Front SAM control module with fuse and relay module | 28 A |
| N10/1 | Front SAM control module with fuse and relay module | 36 A |
| N10/1 | Front SAM control module with fuse and relay module | 44 A |
| N10/1 | Front SAM control module with fuse and relay module | 52 A |
| N10/1 | Front SAM control module with fuse and relay module | 62 A |
| N10/1 | Front SAM control module with fuse and relay module | 69 A |
| N10/1 | Front SAM control module with fuse and relay module | 76 A |
| N10/1f51 | Front SAM control module with fuse and relay module | 18 C |
| N10/1f53 | Fuse 51 | 47 C |
| N10/1f54 | Fuse 53 | 35 C |
| N10/1f57 | Fuse 54 | 11 C |
| N10/1f62 | Fuse 57 | 73 C |
| N10/1kP | Fuse 62 | 15 A |
| N10/1kR | Circuit 15 relay | 60 A |
| N3/10 | Circuit 87 relay, engine | 9 L |
| N3/10 | ME-SFI [ME] control module | 13 L |
| N3/10 | ME-SFI [ME] control module | 31 L |
| N3/10 | ME-SFI [ME] control module | 47 L |
| N3/10 | ME-SFI [ME] control module | 50 L |
| N3/10 | ME-SFI [ME] control module | 54 L |
| N3/10 | ME-SFI [ME] control module | 70 L |
| N3/10 | ME-SFI [ME] control module | 74 L |
| N3/9 | CDI control module | 39 L |
| N3/9 | CDI control module | 43 L |
| N3/9 | CDI control module | 66 L |
| N3/9 | CDI control module | 74 L |
| N73 | DI control module | 6 L |
| S62 | ATA [EDW] hood switch | 57 L |
| U1 | Valid for {[USA]} | 16 G |

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| | | |
|------|-------------------------------|------|
| U1 | Valid for {[USA]} | 33 H |
| U1 | Valid for {[USA]} | 36 J |
| U12 | Valid for left-hand steering | 56 F |
| U13 | Valid for right-hand steering | 57 F |
| U150 | Valid for engine 112 | 8 H |
| U150 | Valid for engine 112 | 20 H |
| U150 | Valid for engine 112 | 33 C |
| U150 | Valid for engine 112 | 36 H |
| U150 | Valid for engine 112 | 45 H |
| U150 | Valid for engine 112 | 61 F |
| U150 | Valid for engine 112 | 63 F |
| U198 | Valid for engine 611 | 20 H |
| U198 | Valid for engine 611 | 34 C |
| U198 | Valid for engine 611 | 38 H |
| U198 | Valid for engine 611 | 59 G |
| U198 | Valid for engine 611 | 64 H |
| U199 | Valid for engine 612 | 16 H |
| U199 | Valid for engine 612 | 17 F |
| U199 | Valid for engine 612 | 34 C |
| U199 | Valid for engine 612 | 38 H |
| U199 | Valid for engine 612 | 59 H |
| U199 | Valid for engine 612 | 64 H |
| U199 | Valid for engine 612 | 35 H |
| U2 | Valid for all except {[USA]} | 16 H |
| U424 | Valid for M271 CGI | 16 G |
| U424 | Valid for M271 CGI | 16 G |
| U424 | Valid for M271 CGI | 36 J |
| U425 | Valid for C 32 AMG | 8 H |
| U425 | Valid for C 32 AMG | 24 H |
| U425 | Valid for C 32 AMG | 36 H |
| U425 | Valid for C 32 AMG | 45 H |
| U425 | Valid for C 32 AMG | 61 F |
| U425 | Valid for C 32 AMG | 8 H |
| U426 | Valid for C 55 AMG | 24 H |
| U426 | Valid for C 55 AMG | 36 J |
| U426 | Valid for C 55 AMG | 45 H |
| U426 | Valid for C 55 AMG | 61 F |
| U474 | Valid for M271 ME | 16 H |
| U474 | Valid for M271 ME | 16 F |
| U474 | Valid for M271 ME | 19 G |

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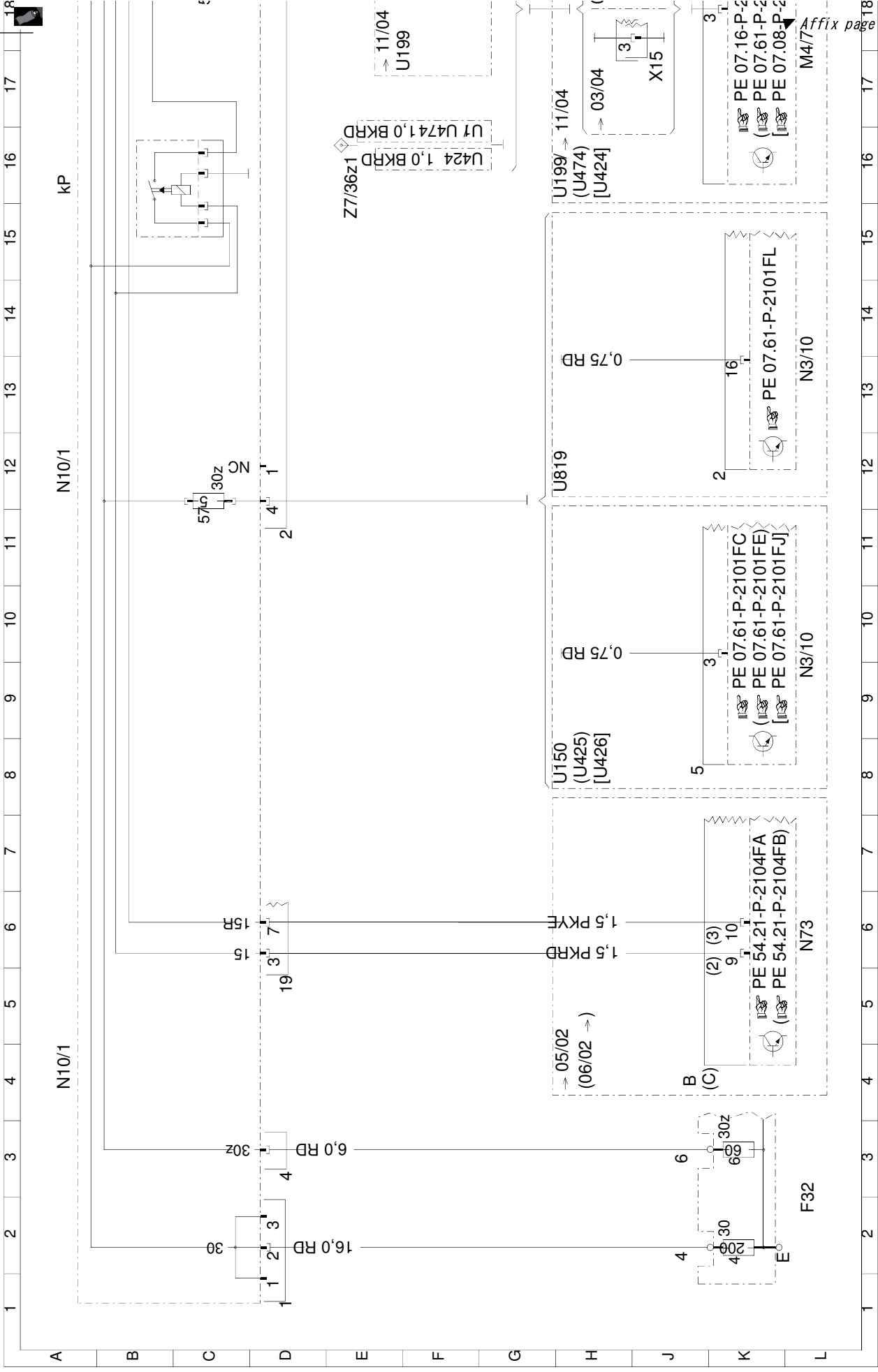
Code: **Designation:** **Position:**

| | | |
|---------|--|------|
| U474 | Valid for M271 ME | 29 H |
| U474 | Valid for M271 ME | 36 J |
| U521 | Valid for engine 111 | 20 H |
| U521 | Valid for engine 111 | 33 C |
| U521 | Valid for engine 111 | 36 H |
| U521 | Valid for engine 111 | 49 H |
| U521 | Valid for engine 111 | 59 F |
| U521 | Valid for engine 111 | 68 H |
| U739 | Valid for engine 271 | 27 H |
| U739 | Valid for engine 271 | 33 C |
| U739 | Valid for engine 271 | 53 H |
| U739 | Valid for engine 271 | 59 F |
| U739 | Valid for engine 271 | 72 H |
| U740 | Valid for engine 646 | 24 H |
| U740 | Valid for engine 646 | 25 G |
| U740 | Valid for engine 646 | 34 C |
| U740 | Valid for engine 646 | 38 J |
| U740 | Valid for engine 646 | 59 F |
| U740 | Valid for engine 646 | 64 J |
| U792 | Valid for C 30 CDI (AMG) | 36 K |
| U792 | Valid for C 30 CDI (AMG) | 42 H |
| U792 | Valid for C 30 CDI (AMG) | 59 H |
| U792 | Valid for C 30 CDI (AMG) | 64 J |
| U819 | Valid for engine 272 | 12 H |
| U819 | Valid for engine 272 | 36 J |
| U819 | Valid for engine 272 | 53 H |
| U819 | Valid for engine 272 | 59 G |
| U819 | Valid for engine 272 | 69 H |
| U880 | Valid for engine 642 | 36 K |
| U880 | Valid for engine 642 | 42 H |
| U880 | Valid for engine 642 | 59 G |
| U880 | Valid for engine 642 | 72 H |
| W16/3 | Ground (output ground – component compartment – left) | 57 H |
| W16/4 | Ground (output ground – component compartment – right) | 57 H |
| X11/4 | Data link connector | 77 L |
| X15 | Engine fan connector (100 ° C ECT switch) | 17 J |
| X26/2 | Engine separation point connector | 28 J |
| Y58/1 | Purge control valve | 34 L |
| Z7/36z1 | Circuit 87M2e connector sleeve | 15 E |

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|--------------|--------------------------------|------------------|
| Z1/36z1 | Circuit 87M2e connector sleeve | 23 F |
| Z1/36z1 | Circuit 87M2e connector sleeve | 37 L |
| Z1/36z2 | Circuit 87M2e connector sleeve | 28 L |
| Z1/36z4 | Circuit 87M2e connector sleeve | 34 J |



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