

Document number : pe54.15-p-2502-97daa

Document title : Wiring diagram of front backup fuse box (F32)

| Code:     | Designation:   | Position: |
|-----------|--|-----------|
| AO        | Color code key   | 340L      |
| Code 228  | Stationary heater  | 135F      |
| Code 228  | Stationary heater  | 312F      |
| Code 421  | 9-speed automatic transmission                                 | 151F      |
| Code 421  | 9-speed automatic transmission                                 | 318F      |
| Code 423  | 5-speed automatic transmission                                 | 85B       |
| Code 427  | 7-speed automatic transmission                                 | 85B       |
| Code 488  | Steel/air suspension   | 35G       |
| Code 488  | Steel/air suspension   | 115G      |
| Code 488  | Steel/air suspension   | 205G      |
| Code 488  | Steel/air suspension   | 292G      |
| Code 489  | AIRMATIC (air suspension with continuously adjustable damping) | 35F       |
| Code 489  | AIRMATIC (air suspension with continuously adjustable damping) | 115F      |
| Code 489  | AIRMATIC (air suspension with continuously adjustable damping) | 205F      |
| Code 489  | AIRMATIC (air suspension with continuously adjustable damping) | 292F      |
| Code 4U7  | Start/stop voltage dip protection                              | 258A      |
| Code 580  | Air conditioning   | 32G       |
| Code 580  | Air conditioning   | 47G       |
| Code 580  | Air conditioning   | 108G      |
| Code 580  | Air conditioning   | 127G      |
| Code 580  | Air conditioning   | 198G      |
| Code 580  | Air conditioning   | 217G      |
| Code 580  | Air conditioning   | 285G      |
| Code 580  | Air conditioning   | 304G      |
| Code 581  | Automatic air conditioning                                     | 32G       |
| Code 581  | Automatic air conditioning                                     | 47G       |
| Code 581  | Automatic air conditioning                                     | 108G      |
| Code 581  | Automatic air conditioning                                     | 127G      |
| Code 581  | Automatic air conditioning                                     | 198G      |
| Code 581  | Automatic air conditioning                                     | 217G      |
| Code 581  | Automatic air conditioning                                     | 285G      |
| Code 581  | Automatic air conditioning                                     | 304G      |
| Code B03  | ECO start/stop function  | 70A       |
| Code ME04 | Hybrid drive 20 KW VARIANT                                     | 168A      |
| Code Z04  | High protection B4   | 19F       |
| F270      | Additional battery fuse  | 239G      |
| F32       | Front electrical prefuse box                                   | 170A      |
| F32       | Front electrical prefuse box                                   | 5A        |
| F32       | Front electrical prefuse box                                   | 24A       |
| F32       | Front electrical prefuse box                                   | 14A       |
| F32       | Front electrical prefuse box                                   | 32A       |
| F32       | Front electrical prefuse box                                   | 40A       |
| F32       | Front electrical prefuse box                                   | 48A       |
| F32       | Front electrical prefuse box                                   | 56A       |
| F32       | Front electrical prefuse box                                   | 64A       |
| F32       | Front electrical prefuse box                                   | 84A       |
| F32       | Front electrical prefuse box                                   | 92A       |
| F32       | Front electrical prefuse box                                   | 100A      |
| F32       | Front electrical prefuse box                                   | 108A      |
| F32       | Front electrical prefuse box                                   | 116A      |
| F32       | Front electrical prefuse box                                   | 125A      |
| F32       | Front electrical prefuse box                                   | 132A      |
| F32       | Front electrical prefuse box                                   | 140A      |
| F32       | Front electrical prefuse box                                   | 149A      |
| F32       | Front electrical prefuse box                                   | 159A      |
| F32       | Front electrical prefuse box                                   | 177A      |
| F32       | Front electrical prefuse box                                   | 185A      |

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|---------|------------------------------------|-----------|
| F32     | Front electrical prefuse box       | 192A      |
| F32     | Front electrical prefuse box       | 200A      |
| F32     | Front electrical prefuse box       | 208A      |
| F32     | Front electrical prefuse box       | 216A      |
| F32     | Front electrical prefuse box       | 225A      |
| F32     | Front electrical prefuse box       | 233A      |
| F32     | Front electrical prefuse box       | 241A      |
| F32     | Front electrical prefuse box       | 249A      |
| F32     | Front electrical prefuse box       | 269A      |
| F32     | Front electrical prefuse box       | 277A      |
| F32     | Front electrical prefuse box       | 285A      |
| F32     | Front electrical prefuse box       | 293A      |
| F32     | Front electrical prefuse box       | 301A      |
| F32     | Front electrical prefuse box       | 310A      |
| F32     | Front electrical prefuse box       | 318A      |
| F32     | Front electrical prefuse box       | 327A      |
| F32c1   | Interference suppression capacitor | 17A       |
| F32f150 | Prefuse 150                        | 5C        |
| F32f150 | Prefuse 150                        | 94C       |
| F32f150 | Prefuse 150                        | 170C      |
| F32f150 | Prefuse 150                        | 271C      |
| F32f151 | Prefuse 151                        | 42C       |
| F32f151 | Prefuse 151                        | 124C      |
| F32f151 | Prefuse 151                        | 214C      |
| F32f151 | Prefuse 151                        | 295C      |
| F32f152 | Prefuse 152                        | 46C       |
| F32f152 | Prefuse 152                        | 128C      |
| F32f152 | Prefuse 152                        | 218C      |
| F32f152 | Prefuse 152                        | 313C      |
| F32f153 | Prefuse 153                        | 40C       |
| F32f153 | Prefuse 153                        | 131C      |
| F32f153 | Prefuse 153                        | 221C      |
| F32f153 | Prefuse 153                        | 297C      |
| F32f154 | Prefuse 154                        | 44C       |
| F32f154 | Prefuse 154                        | 134C      |
| F32f154 | Prefuse 154                        | 224C      |
| F32f154 | Prefuse 154                        | 301C      |
| F32f155 | Prefuse 155                        | 48C       |
| F32f155 | Prefuse 155                        | 136C      |
| F32f155 | Prefuse 155                        | 225C      |
| F32f155 | Prefuse 155                        | 305C      |
| F32f156 | Prefuse 156                        | 51C       |
| F32f156 | Prefuse 156                        | 159C      |
| F32f156 | Prefuse 156                        | 250C      |
| F32f156 | Prefuse 156                        | 308C      |
| F32f157 | Prefuse 157                        | 55C       |
| F32f157 | Prefuse 157                        | 120C      |
| F32f157 | Prefuse 157                        | 210C      |
| F32f157 | Prefuse 157                        | 311C      |
| F32f158 | Prefuse 158                        | 29C       |
| F32f158 | Prefuse 158                        | 163C      |
| F32f158 | Prefuse 158                        | 254C      |
| F32f158 | Prefuse 158                        | 283C      |
| F32f159 | Prefuse 159                        | 24C       |
| F32f159 | Prefuse 159                        | 149C      |
| F32f159 | Prefuse 159                        | 278C      |
| F32f160 | Prefuse 160                        | 38C       |

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| Code:   | Designation:   | Position: |
|---------|--|-----------|
| F32f160 | Prefuse 160  | 106C      |
| F32f160 | Prefuse 160  | 195C      |
| F32f160 | Prefuse 160  | 290C      |
| F32f161 | Prefuse 161  | 62C       |
| F32f161 | Prefuse 161  | 101C      |
| F32f161 | Prefuse 161  | 191C      |
| F32f161 | Prefuse 161  | 326C      |
| F32f162 | Prefuse 162  | 63C       |
| F32f162 | Prefuse 162  | 113C      |
| F32f162 | Prefuse 162  | 203C      |
| F32f162 | Prefuse 162  | 328C      |
| F32f163 | Prefuse 163  | 65C       |
| F32f163 | Prefuse 163  | 332C      |
| F32f164 | Prefuse 164  | 57C       |
| F32f164 | Prefuse 164  | 319C      |
| F32k1   | Decoupling relay   | 91A       |
| F32k2   | Quiescent current cutout relay   | 59A       |
| F32k2   | Quiescent current cutout relay   | 157A      |
| F34     | Interior fuse box  | 138L      |
| F34     | Interior fuse box  | 315L      |
| F63     | Pyrofuse   | 82L       |
| F96     | Additional battery circuit 30 fuse                                       | 146G      |
| F96     | Additional battery circuit 30 fuse                                       | 235G      |
| G1      | On-board electrical system battery                                       | 12L       |
| G1      | On-board electrical system battery                                       | 84L       |
| G1      | On-board electrical system battery                                       | 269L      |
| G1/11   | Rear on-board electrical system battery                                  | 15L       |
| G1/11   | Rear on-board electrical system battery                                  | 180L      |
| G1/13   | ECO start/stop function additional battery                               | 145L      |
| G1/13   | ECO start/stop function additional battery                               | 234L      |
| G2      | Alternator   | 5L        |
| G2      | Alternator   | 94L       |
| G2      | Alternator   | 244L      |
| G2      | Alternator   | 271L      |
| K114    | ECO start/stop function additional battery relay                         | 148L      |
| K114    | ECO start/stop function additional battery relay                         | 237L      |
| K13/2   | Heated windshield relay  | 21L       |
| K40/10  | HYBRID fuse and relay module   | 227L      |
| K67     | AIRMATIC relay   | 37L       |
| K67     | AIRMATIC relay   | 117L      |
| K67     | AIRMATIC relay   | 207L      |
| K67     | AIRMATIC relay   | 294L      |
| M1      | Starter  | 3L        |
| M1      | Starter  | 75L       |
| M1      | Starter  | 173L      |
| M1      | Starter  | 263L      |
| M4/7    | Combustion engine and air conditioning with integrated control fan motor | 45L       |
| M4/7    | Combustion engine and air conditioning with integrated control fan motor | 124L      |
| M4/7    | Combustion engine and air conditioning with integrated control fan motor | 214L      |
| M4/7    | Combustion engine and air conditioning with integrated control fan motor | 302L      |
| N10/1   | Front SAM control unit with fuse and relay module                        | 63L       |
| N10/1   | Front SAM control unit with fuse and relay module                        | 54L       |
| N10/1   | Front SAM control unit with fuse and relay module                        | 89L       |
| N10/1   | Front SAM control unit with fuse and relay module                        | 142L      |
| N10/1   | Front SAM control unit with fuse and relay module                        | 133L      |
| N10/1   | Front SAM control unit with fuse and relay module                        | 161L      |
| N10/1   | Front SAM control unit with fuse and relay module                        | 183L      |

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| <b>Code:</b> | <b>Designation:</b>                                | <b>Position:</b> |
|--------------|--|------------------|
| N10/1        | Front SAM control unit with fuse and relay module  | 223L             |
| N10/1        | Front SAM control unit with fuse and relay module  | 231L             |
| N10/1        | Front SAM control unit with fuse and relay module  | 260L             |
| N10/1        | Front SAM control unit with fuse and relay module  | 251L             |
| N10/1        | Front SAM control unit with fuse and relay module  | 310L             |
| N10/1        | Front SAM control unit with fuse and relay module  | 329L             |
| N10/2        | Rear SAM control unit with fuse and relay module   | 58L              |
| N10/2        | Rear SAM control unit with fuse and relay module   | 67L              |
| N10/2        | Rear SAM control unit with fuse and relay module   | 165L             |
| N10/2        | Rear SAM control unit with fuse and relay module   | 157L             |
| N10/2        | Rear SAM control unit with fuse and relay module   | 247L             |
| N10/2        | Rear SAM control unit with fuse and relay module   | 256L             |
| N10/2        | Rear SAM control unit with fuse and relay module   | 324L             |
| N10/2        | Rear SAM control unit with fuse and relay module   | 333L             |
| N129/1       | Power electronics control unit                     | 241L             |
| N14/3        | Glow output stage                                  | 72L              |
| N14/3        | Glow output stage                                  | 170L             |
| N2/10        | Supplemental restraint system control unit         | 8L               |
| N2/10        | Supplemental restraint system control unit         | 78L              |
| N2/10        | Supplemental restraint system control unit         | 176L             |
| N26/9        | Special-purpose vehicle multifunction control unit | 113L             |
| N26/9        | Special-purpose vehicle multifunction control unit | 97L              |
| N26/9        | Special-purpose vehicle multifunction control unit | 187L             |
| N26/9        | Special-purpose vehicle multifunction control unit | 203L             |
| N26/9        | Special-purpose vehicle multifunction control unit | 274L             |
| N26/9        | Special-purpose vehicle multifunction control unit | 290L             |
| N30/4        | Electronic Stability Program control unit          | 25L              |
| N30/4        | Electronic Stability Program control unit          | 101L             |
| N30/4        | Electronic Stability Program control unit          | 101L             |
| N30/4        | Electronic Stability Program control unit          | 279L             |
| N30/4        | Electronic Stability Program control unit          | 279L             |
| N30/6        | Regenerative braking system control unit           | 192L             |
| N30/7        | Premium Electronic Stability Program control unit  | 25L              |
| N30/7        | Premium Electronic Stability Program control unit  | 102L             |
| N30/7        | Premium Electronic Stability Program control unit  | 101L             |
| N30/7        | Premium Electronic Stability Program control unit  | 278L             |
| N30/7        | Premium Electronic Stability Program control unit  | 279L             |
| N68          | Electrical power steering control unit             | 41L              |
| N68          | Electrical power steering control unit             | 121L             |
| N68          | Electrical power steering control unit             | 211L             |
| N68          | Electrical power steering control unit             | 298L             |
| R22/3        | PTC heater booster                                 | 48L              |
| R22/3        | PTC heater booster                                 | 128L             |
| R22/3        | PTC heater booster                                 | 218L             |
| R22/3        | PTC heater booster                                 | 305L             |
| R62          | Voltage dip limiter                                | 266L             |
| U118         | Valid for front battery                            | 10F              |
| U118         | Valid for front battery                            | 51F              |
| U118         | Valid for front battery                            | 56F              |
| U119         | Valid for rear battery                             | 13F              |
| U12          | Valid for left-hand drive vehicles                 | 16F              |
| U12          | Valid for left-hand drive vehicles                 | 31F              |
| U12          | Valid for left-hand drive vehicles                 | 30F              |
| U12          | Valid for left-hand drive vehicles                 | 32F              |
| U12          | Valid for left-hand drive vehicles                 | 95G              |
| U12          | Valid for left-hand drive vehicles                 | 108F             |
| U12          | Valid for left-hand drive vehicles                 | 107F             |

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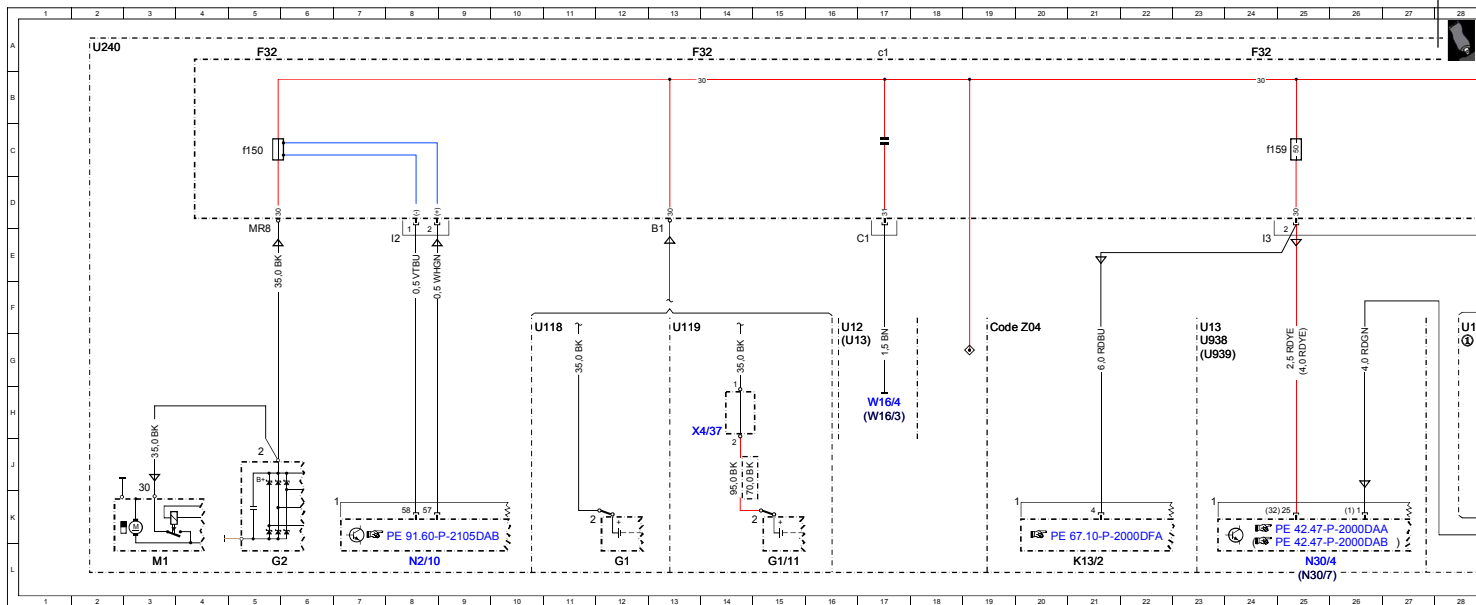
Document title: Wiring diagram of front backup fuse box (F32)

| Code: | Designation:                                 | Position: |
|-------|--|-----------|
| U12   | Valid for left-hand drive vehicles           | 106F      |
| U12   | Valid for left-hand drive vehicles           | 197F      |
| U12   | Valid for left-hand drive vehicles           | 186G      |
| U12   | Valid for left-hand drive vehicles           | 196F      |
| U12   | Valid for left-hand drive vehicles           | 198F      |
| U12   | Valid for left-hand drive vehicles           | 272G      |
| U12   | Valid for left-hand drive vehicles           | 283F      |
| U12   | Valid for left-hand drive vehicles           | 284F      |
| U12   | Valid for left-hand drive vehicles           | 285F      |
| U123  | Valid for taxi electrical system             | 95F       |
| U123  | Valid for taxi electrical system             | 112F      |
| U123  | Valid for taxi electrical system             | 186F      |
| U123  | Valid for taxi electrical system             | 202F      |
| U123  | Valid for taxi electrical system             | 272F      |
| U123  | Valid for taxi electrical system             | 289F      |
| U13   | Valid for right-hand drive vehicles          | 16G       |
| U13   | Valid for right-hand drive vehicles          | 23F       |
| U13   | Valid for right-hand drive vehicles          | 29F       |
| U13   | Valid for right-hand drive vehicles          | 28F       |
| U13   | Valid for right-hand drive vehicles          | 99F       |
| U13   | Valid for right-hand drive vehicles          | 112G      |
| U13   | Valid for right-hand drive vehicles          | 104F      |
| U13   | Valid for right-hand drive vehicles          | 105F      |
| U13   | Valid for right-hand drive vehicles          | 189F      |
| U13   | Valid for right-hand drive vehicles          | 194F      |
| U13   | Valid for right-hand drive vehicles          | 195F      |
| U13   | Valid for right-hand drive vehicles          | 202G      |
| U13   | Valid for right-hand drive vehicles          | 276F      |
| U13   | Valid for right-hand drive vehicles          | 289G      |
| U13   | Valid for right-hand drive vehicles          | 282F      |
| U13   | Valid for right-hand drive vehicles          | 281F      |
| U24   | Valid for manual transmission                | 85C       |
| U24   | Valid for manual transmission                | 89B       |
| U240  | Valid for all except ECO start/stop function | 2A        |
| U242  | Valid for fan motor 800 W                    | 43G       |
| U242  | Valid for fan motor 800 W                    | 123G      |
| U242  | Valid for fan motor 800 W                    | 213G      |
| U242  | Valid for fan motor 800 W                    | 300G      |
| U250  | Valid for electric power steering            | 39F       |
| U250  | Valid for electric power steering            | 119F      |
| U250  | Valid for electric power steering            | 209F      |
| U250  | Valid for electric power steering            | 296F      |
| U576  | Valid for heater booster                     | 47F       |
| U576  | Valid for heater booster                     | 127F      |
| U576  | Valid for heater booster                     | 217F      |
| U576  | Valid for heater booster                     | 304F      |
| U74   | Valid for diesel engines                     | 70F       |
| U880  | Valid for diesel engine 642                  | 56G       |
| U938  | Valid for ESP Basic                          | 23G       |
| U938  | Valid for ESP Basic                          | 99G       |
| U938  | Valid for ESP Basic                          | 99G       |
| U938  | Valid for ESP Basic                          | 276G      |
| U938  | Valid for ESP Basic                          | 276G      |
| U939  | Valid for ESP Premium                        | 23G       |
| U939  | Valid for ESP Premium                        | 99G       |
| U939  | Valid for ESP Premium                        | 99G       |
| U939  | Valid for ESP Premium                        | 276G      |

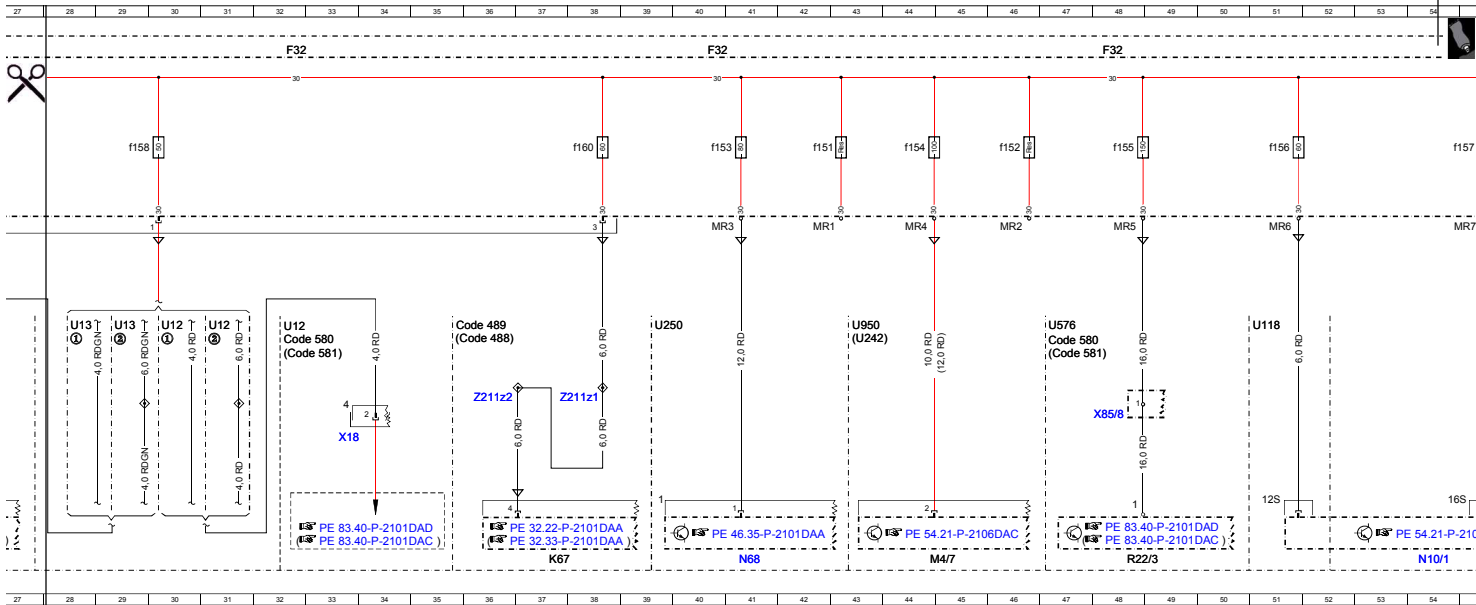
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| Code:  | Designation:   | Position: |
|--------|--|-----------|
| U939   | Valid for ESP Premium  | 276G      |
| U948   | Valid for diesel engine 651                                    | 168F      |
| U950   | Valid for fan motor 650 W                                      | 43F       |
| U950   | Valid for fan motor 650 W                                      | 123F      |
| U950   | Valid for fan motor 650 W                                      | 213F      |
| U950   | Valid for fan motor 650 W                                      | 300F      |
| V19    | ECO start/stop function diode                                  | 87C       |
| V19    | ECO start/stop function diode                                  | 182C      |
| W16/3  | Left major assembly compartment ground point                   | 17H       |
| W16/4  | Right wheelhouse ground point                                  | 17H       |
| W2     | Right front ground point at lamp unit                          | 89H       |
| W2     | Right front ground point at lamp unit                          | 184H      |
| W2     | Right front ground point at lamp unit                          | 265H      |
| W7/8   | Right wheelhouse trunk ground point                            | 148G      |
| W7/8   | Right wheelhouse trunk ground point                            | 237G      |
| W8/8   | Ground point (right rear end)                                  | 145G      |
| W8/8   | Ground point (right rear end)                                  | 233G      |
| X18    | Vehicle interior and harness for taillamp electrical connector | 33J       |
| X18    | Vehicle interior and harness for taillamp electrical connector | 110J      |
| X18    | Vehicle interior and harness for taillamp electrical connector | 200J      |
| X18    | Vehicle interior and harness for taillamp electrical connector | 287J      |
| X221   | ECO start/stop function circuit 30 cable connector             | 241G      |
| X25/2  | Engine compartment/interior electrical connector               | 266H      |
| X26    | Interior and engine wiring harness electrical connector        | 262H      |
| X4/37  | Terminal block (circuit 30)                                    | 14H       |
| X4/37  | Terminal block (circuit 30)                                    | 149H      |
| X4/37  | Terminal block (circuit 30)                                    | 179G      |
| X85/8  | PTC heater booster electrical connector                        | 48H       |
| X85/8  | PTC heater booster electrical connector                        | 128H      |
| X85/8  | PTC heater booster electrical connector                        | 218H      |
| X85/8  | PTC heater booster electrical connector                        | 305H      |
| Y3/8   | Fully integrated transmission control control unit             | 153L      |
| Y3/8   | Fully integrated transmission control control unit             | 319L      |
| Z211z1 | Circuit 30 supply connector sleeve                             | 38H       |
| Z211z1 | Circuit 30 supply connector sleeve                             | 118H      |
| Z211z1 | Circuit 30 supply connector sleeve                             | 207H      |
| Z211z1 | Circuit 30 supply connector sleeve                             | 295H      |
| Z211z2 | Circuit 30 supply connector sleeve                             | 36H       |
| Z211z2 | Circuit 30 supply connector sleeve                             | 116H      |
| Z211z2 | Circuit 30 supply connector sleeve                             | 206H      |
| Z211z2 | Circuit 30 supply connector sleeve                             | 293H      |
| Z211z4 | Circuit 30 supply connector sleeve                             | 152H      |
| Z211z4 | Circuit 30 supply connector sleeve                             | 319H      |
| Z236   | ECO start/stop function circuit 50 connector sleeve            | 263E      |
| Z25/1  | Starter circuit 30 terminal block connector sleeve             | 80E       |
| Z6/97  | Right lamp unit circuit 31 connector sleeve                    | 89F       |
| Z6/97  | Right lamp unit circuit 31 connector sleeve                    | 184F      |



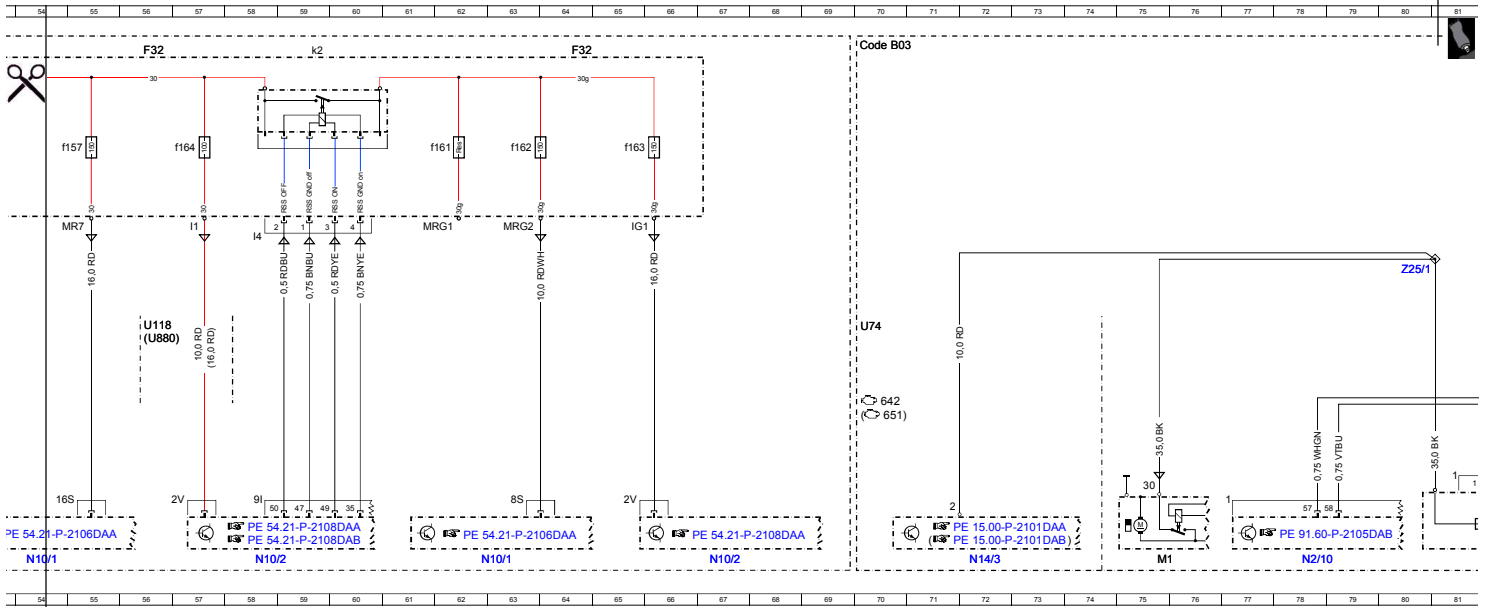
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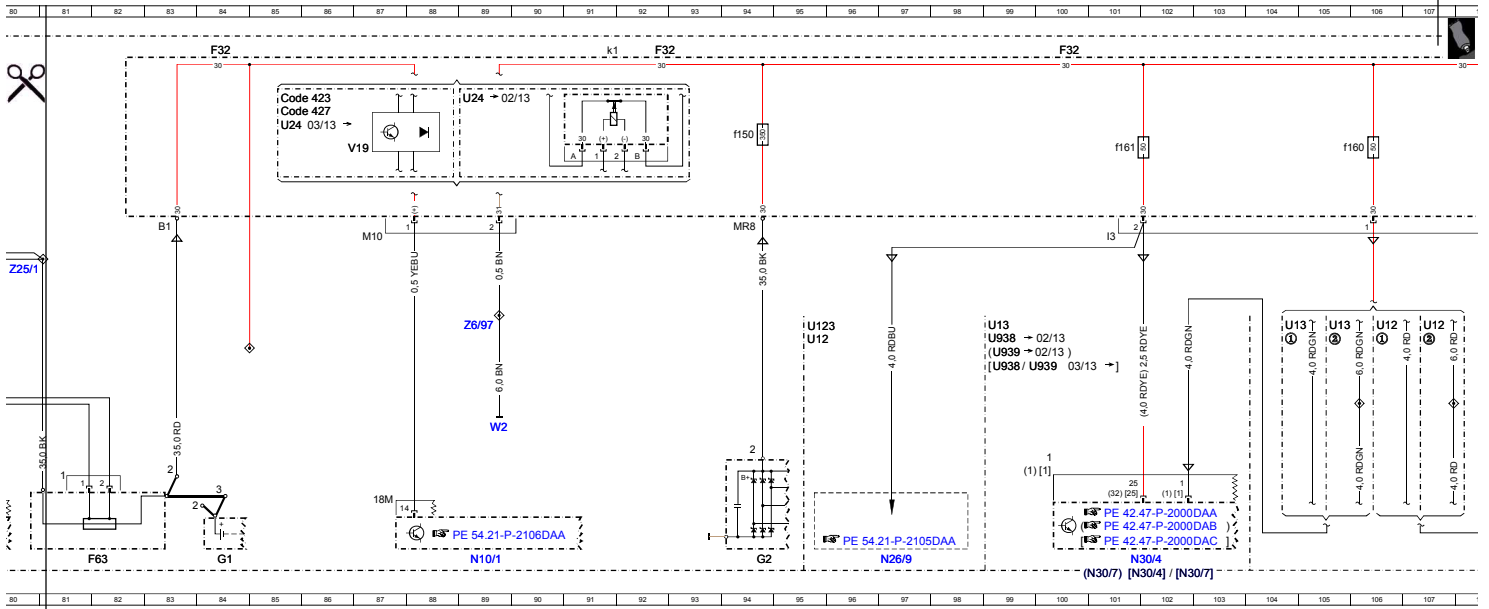
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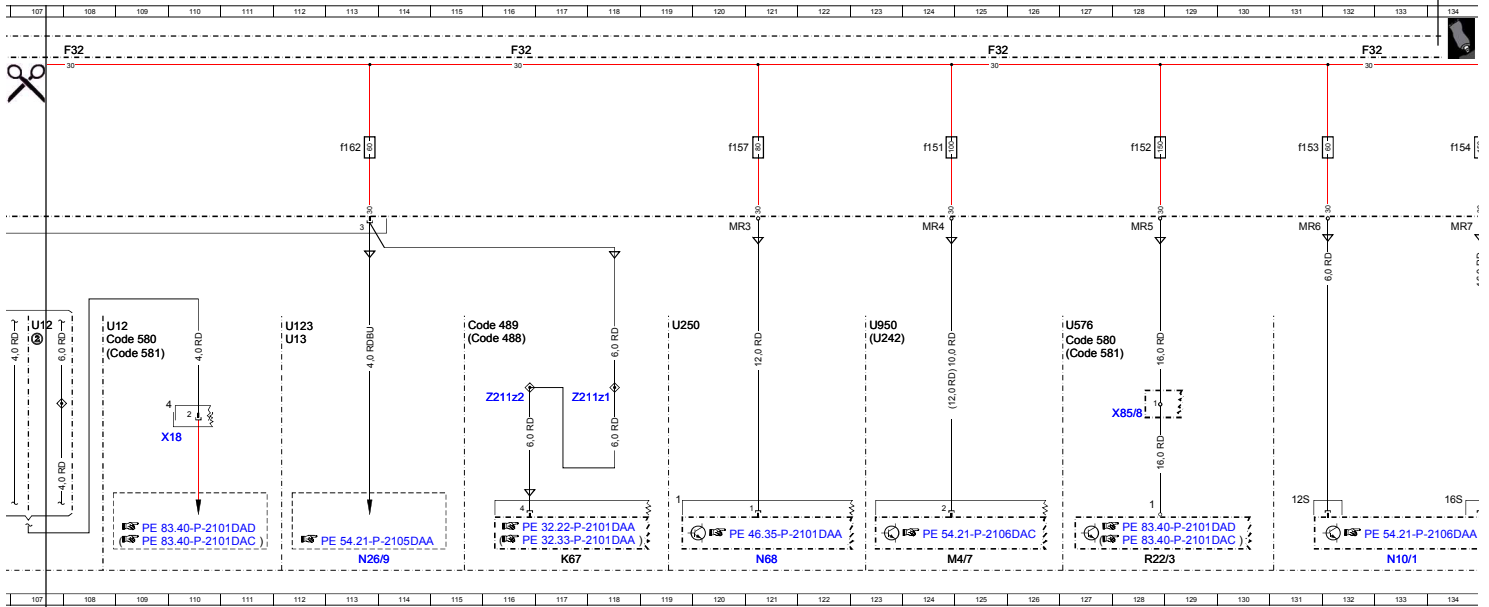
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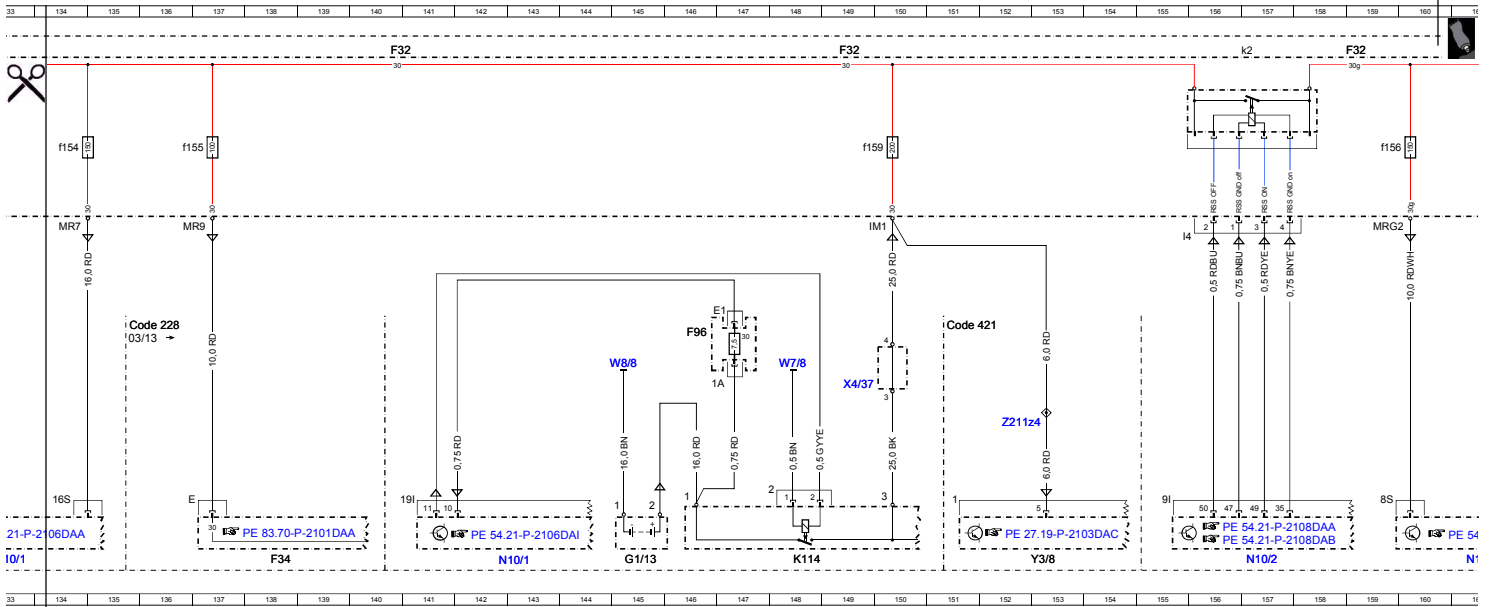
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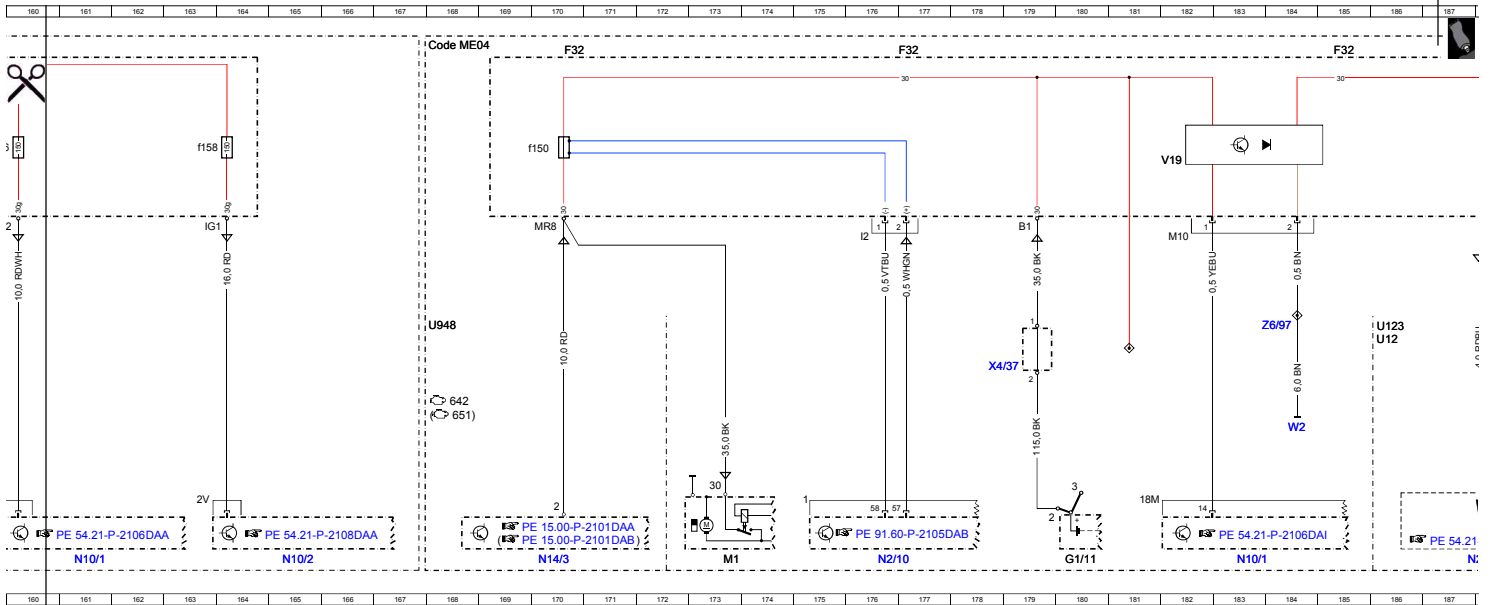
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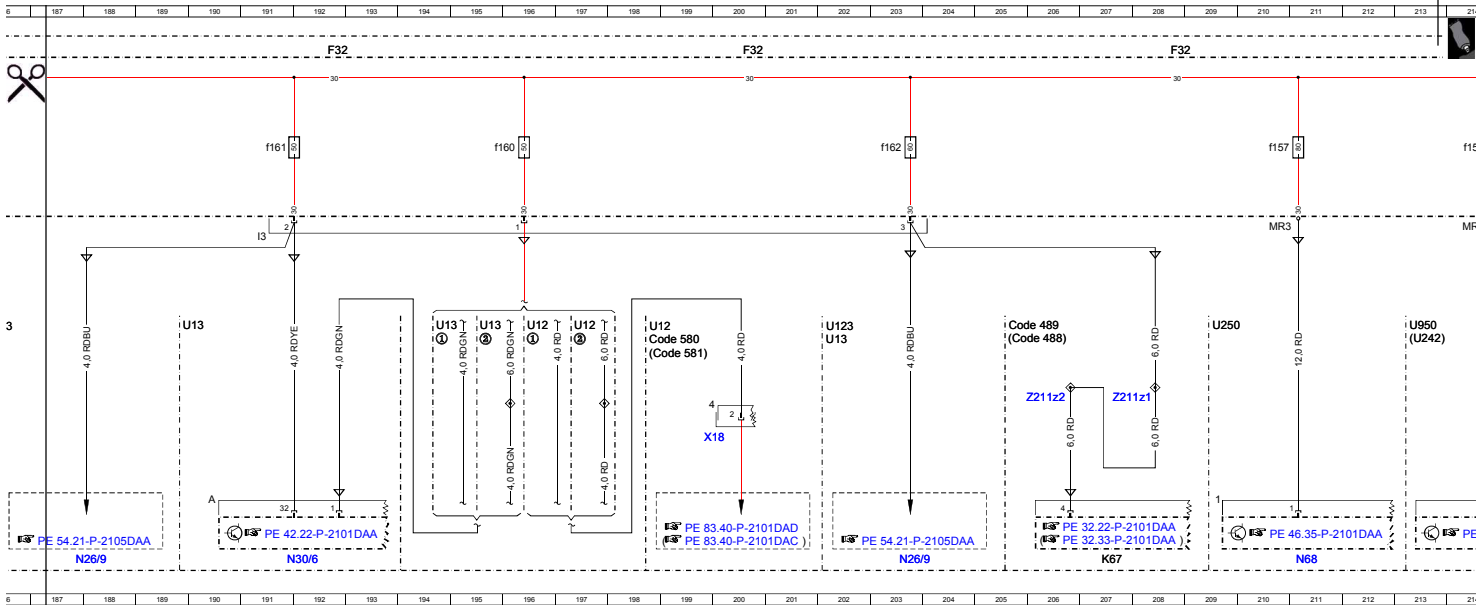
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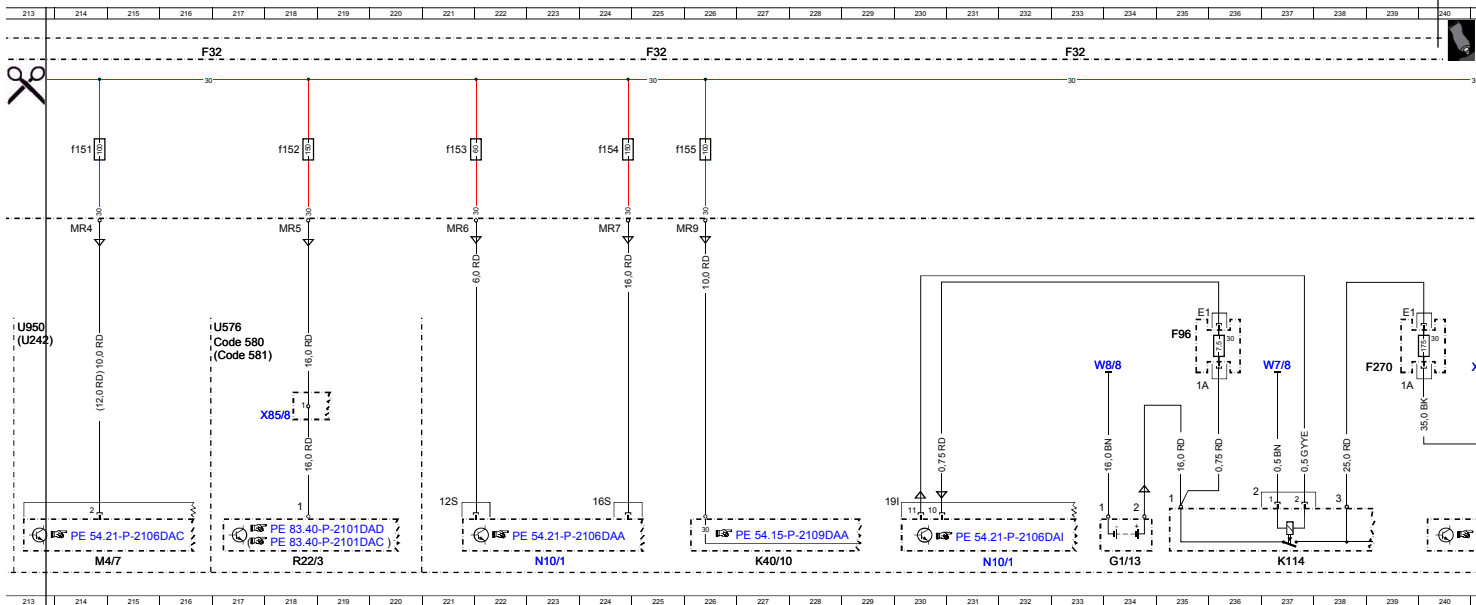
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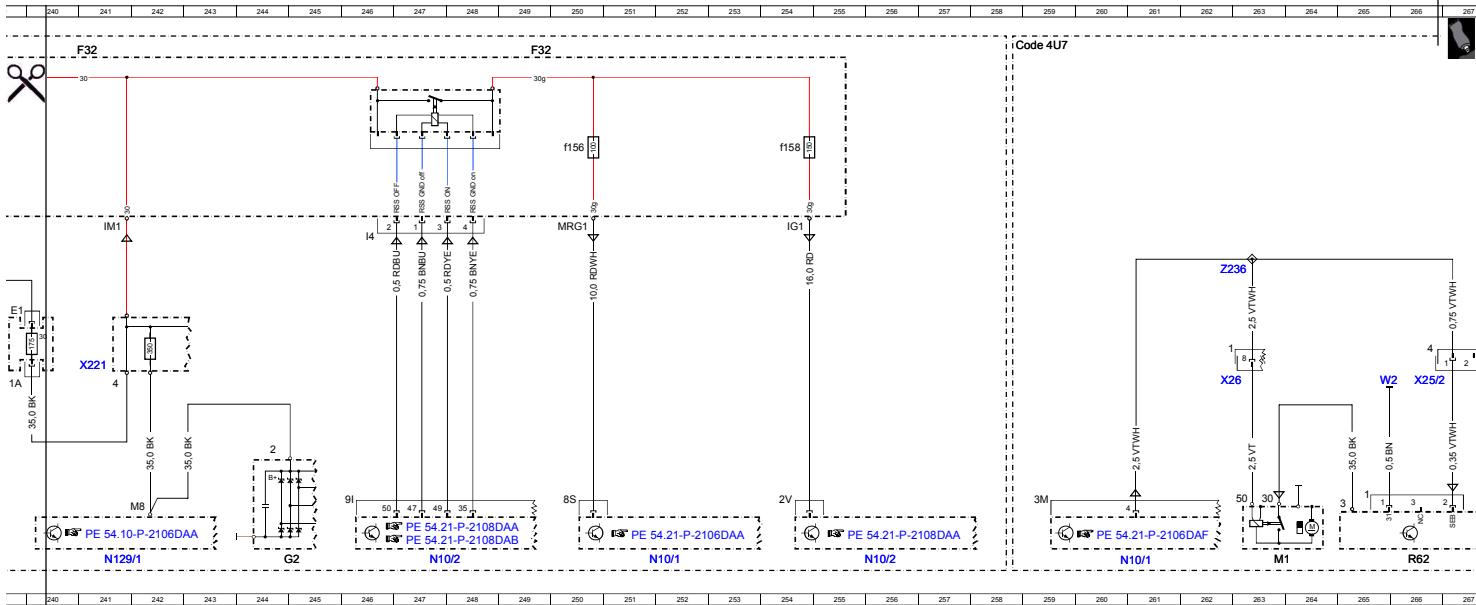
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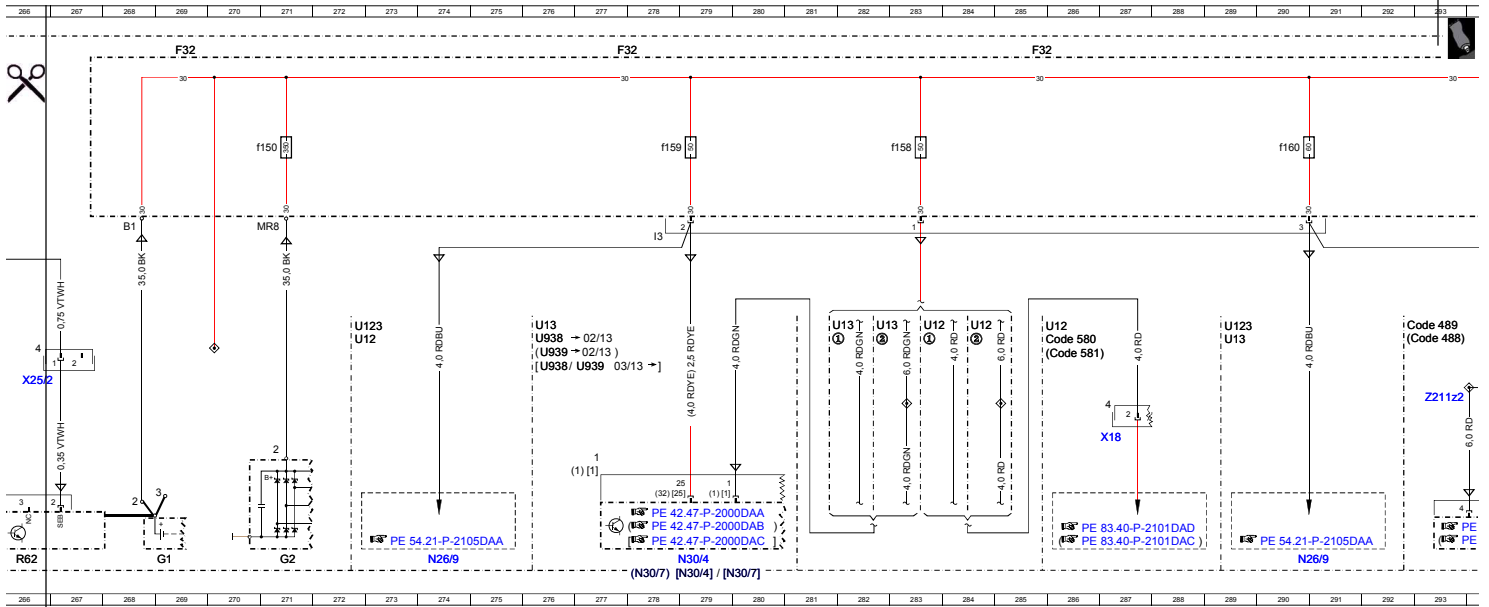
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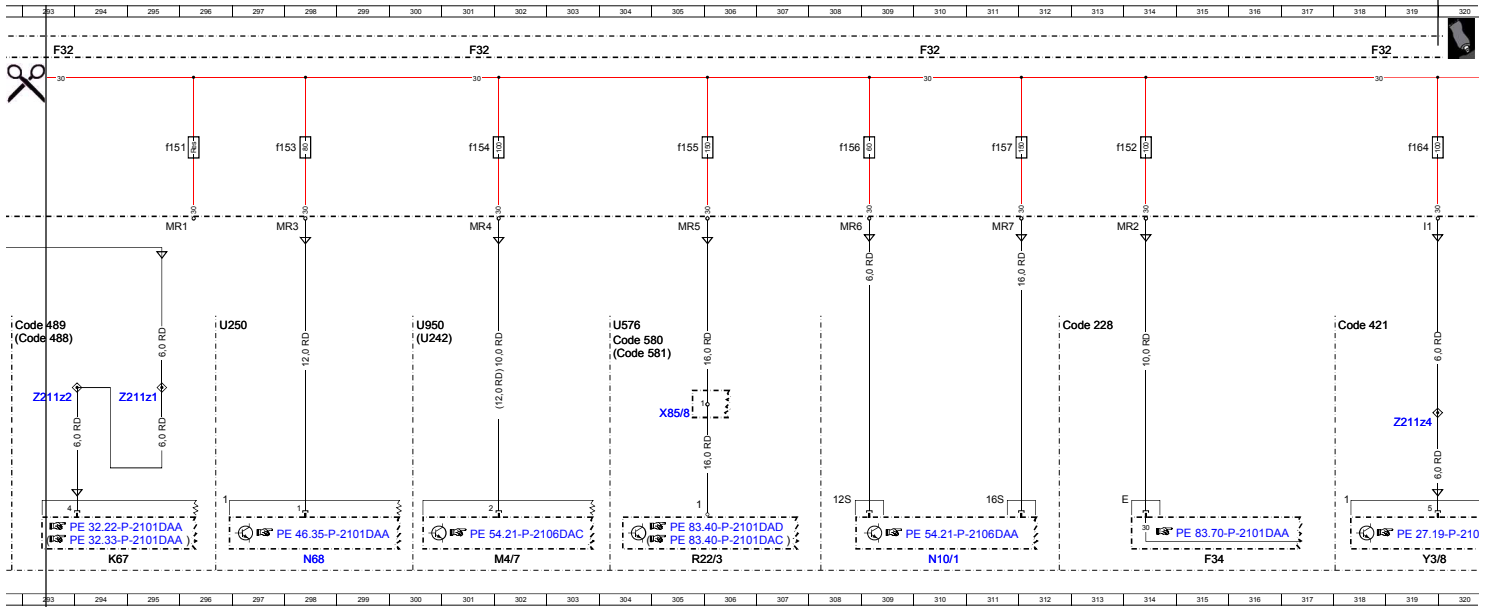
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