

**Document title**                      Use of wiring diagrams

**Document number**                ov0001p190103daa

Model 212

Wiring diagrams

- The wiring diagrams are assigned to the familiar function groups 00-91. To make it easier to locate individual circuit diagrams, the systems are listed alphabetically in the "Search aid for all wiring diagram groups"
- OV00.01-P-1901DAA or A3 (hard copy) the systems are listed alphabetically with specification of function group/ function subgroup.
- The wiring diagrams are filed in the respective function group according to the PE number,  
e.g.:PE07.16-P-2101DAA  
PE07.16-P-2101DAB
- To check the completeness of the volume the sequence of the wiring diagrams filed can be seen from the lists of contents of the respective function group. For supplements the wiring diagrams should be filed as per the supplement sheet.  
e.g.:PE07.00-P-1100DAA Overview of wiring diagrams...

- The versions denoted by the abbreviated designation "U..." are listed in the legends. Explanations regarding identifications of variants with abbreviations such as ESP® are available in the section "Abbreviations for Workshop Literature"
- OV00.01-P-1001-27A \*(A4)

Wiring diagram number

- a Information type
- b Function group
- c Function subgroup
- d Producer ID
- e Sequence number
- f Information unit number
- g Validity letter (s)

Function schematic

- a Data bus interface
- b Direct interface
- c Symbols (components, control units)
- d Reference to further wiring diagrams

**i** Wire cross-sections and line colors in the vehicle may differ from the illustrations in the wiring diagrams.

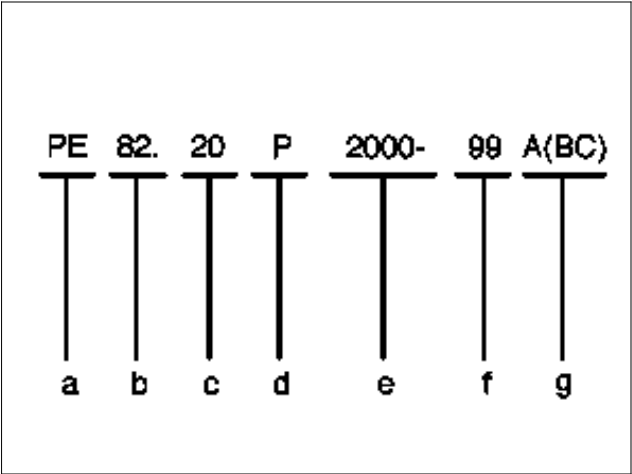
Wire Identification

- a Line cross section in mm<sup>2</sup>
- b Basic color
- c Identification color

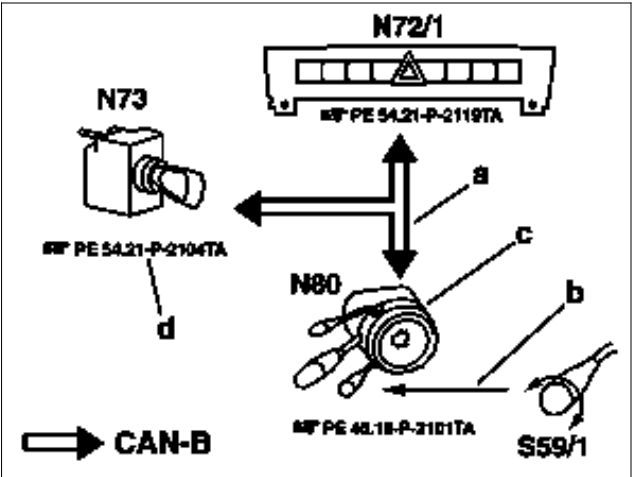
- The wiring diagrams are generated as function schematics, control unit diagrams or detailed function schematics and are structured as follows:
- Function schematics  
The control units and electrical components required for the function are shown as symbols. The functional connections are realized by direct lines or by the data bus.
- Control unit diagrams  
Control units that only fulfill one function, e.g. Parktronic, are shown complete with all connected components.  
If control units fulfill several functions, e.g. ME-SFI [ME] control unit or SAM control unit, the control unit diagram includes a reference to a detailed function diagram. The abbreviations of the components are given in addition to this reference.  
The relay wiring is also shown on the detailed function diagrams.
- Detailed function diagrams  
If components form an independent function as per the overview of the function groups (e.g. windshield wipers), the components are shown on a detailed function diagram.

The wiring diagrams also contain linkages of possible versions and functions. Linkages, recognizable as versions, are framed and provided with an abbreviated designation/ abbreviation. Versions are designated with 1 and 2 in the case of a phased-in modification.

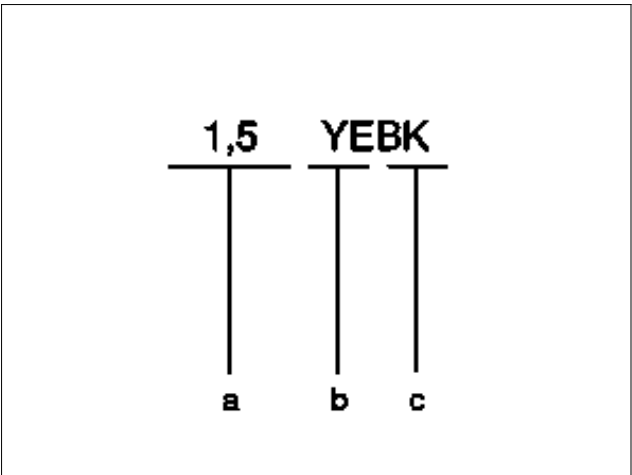
- The used signal and terminal designations are explained under "Abbreviations of signal and circuit designations for wiring diagrams" OV00.01-P-1001-28DAA \*(A5).
- Wire cross-sections may differ from the illustration in the wiring diagrams.



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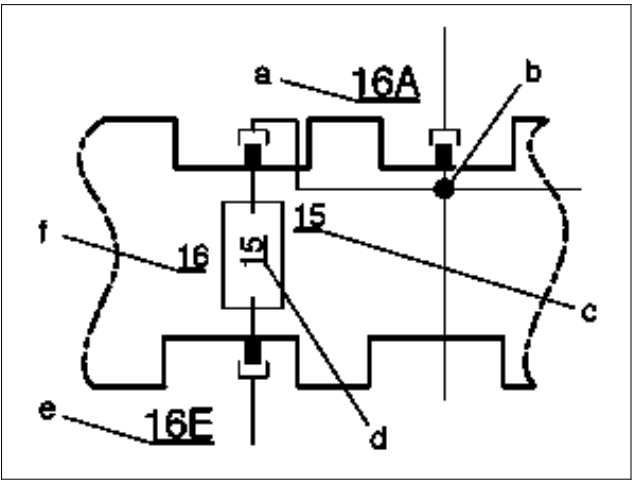


P00.19-3084-01



Fuse blocks

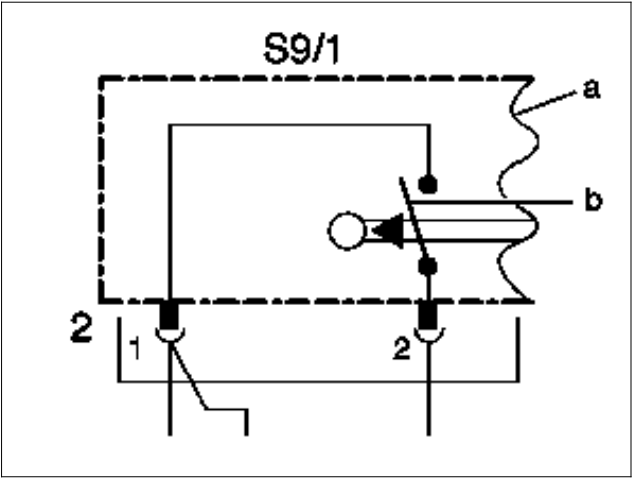
- a Output slot numbering (A, B, C or D)
- b Line bridge
- c Terminal designation
- d Fuse rating in amp(s)
- e Input slot numbering (E)
- f Fuse number



P00.19-0405-01

Components and switches

- a Components that are not completely shown are shown as an outline.
- b Switching contacts are shown in the rest position.



P00.19-0406-01

Wire colors:

- BK = Black
- BN = Brown
- BU = Blue
- GN = Green
- GY = Gray
- OG = Orange

- PK = Pink
  - RD = Red
  - TR = Transparent
  - VT = Violet
  - WH = White
  - YE = Yellow
- The symbol PE ●● refers to further wiring diagrams or function schematics.

- Special features in WIS presentation

In contrast to the presentation on paper, it is possible in the WIS to select certain areas (framed in red) and thus to jump to other documents or wiring diagrams.

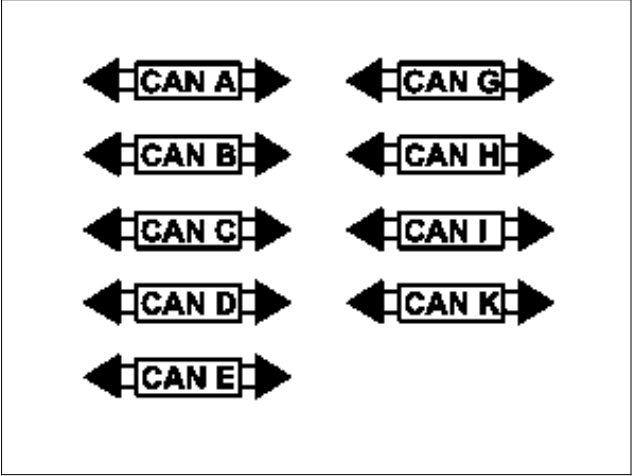
- Selection of connectors → Document: Location and assignment of connectors
- Selection of ground points → Document: Location and assignment of ground points
- Selection of Z-connector sleeves → Document: Location and assignment of Z-connector sleeves
- Selection of PE hands → Reference to further wiring diagrams
- Selection of → document:  
Component designations Abbreviations of signal and circuit designations

CAN bus presentation

- CAN A telematics CAN
- CAN B interior CAN
- CAN C drive train CAN
- CAN D diagnostic CAN
- CAN E chassis CAN
- CAN G front end CAN
- CAN H vehicle dynamics CAN
- CAN I drive train sensor CAN
- CAN K multifunction CAN

- Selection of → document:  
Component designation "A0" Use of wiring diagrams with explanation of color key
- Location and assignment**
- The lists of contents for location and assignment of ground points, solder points and connectors are:  
Connectors GF00.19-P-1000DAA \*(B1)  
Ground points GF00.19-P-2000DAA \*(B2)  
Solder points GF00.19-P-3000DAA \*(B3)

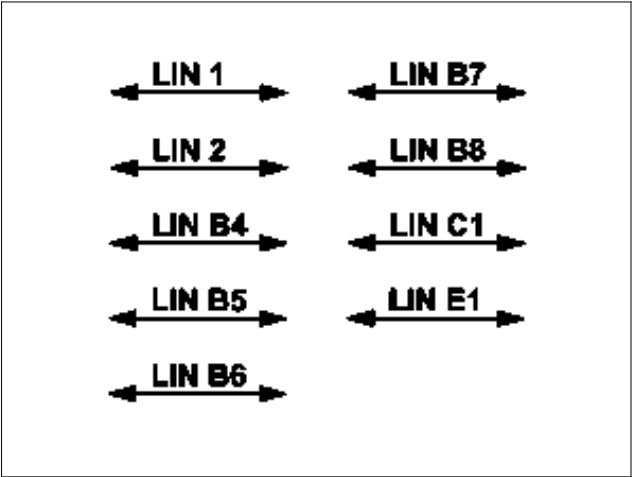
The assignment of components can be obtained from the wiring diagrams specified in the list of contents.



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**LIN bus presentation**

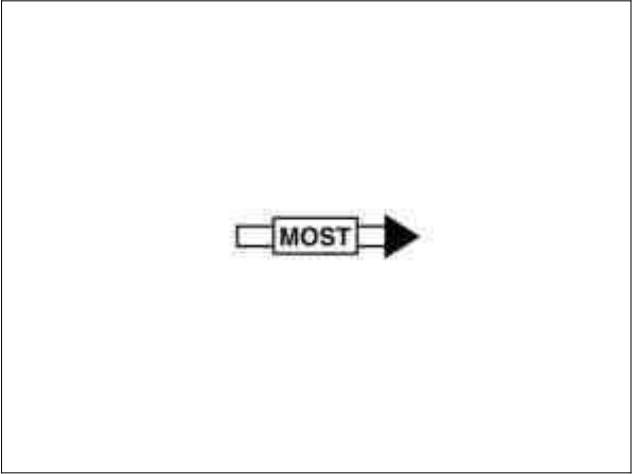
- LIN 1 instrument panel LIN
- LIN 2 wiper/inside rearview mirror-LIN
- LIN B4 SAM-LIN, rear
- LIN B5 door LIN, left
- LIN B6 door LIN, right
- LIN B7 on-board electrical system LIN
- LIN B8 climate control LIN
- LIN C1 drive-LIN
- LIN E1 steering LIN



P00.01-3440-01

**MOST bus presentation**

MOST Media Oriented System Transport



P00.01-3091-01