Model 166, 292

Wiring diagrams

- The wiring diagrams are assigned to the familiar function groups 00-91.
- The wiring diagrams are filed in the respective function group according to the PE number,

e.g.:PE07.61-P-2101NAA
PE07.61-P-2101NAB
.

- The versions denoted by the abbreviated designation "U..." are listed in the legends. Explanations regarding identifications of variants with abbreviations such as ESP® can be found in the section "Abbreviations for Workshop Literature".

OV00.01-P-1001-27A"Box and container bodies".

- 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

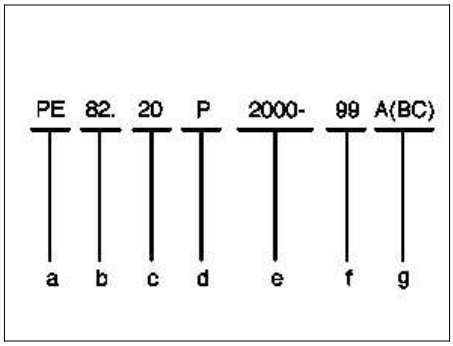
If components form an independent function as per the overview of the function groups (e.g. windshield wipers), the components are shown on a detailed function diagram.

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.

- Wire cross-sections may differ from the illustration in the wiring diagrams.

Wiring diagram number

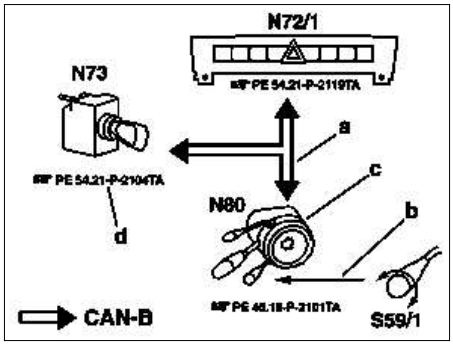
a Information type
b Function group
c Function subgroup
d Producer ID
e Sequence number
f Information unit number
g Validity letter (s)



P00.19-0401-01

Function schematic

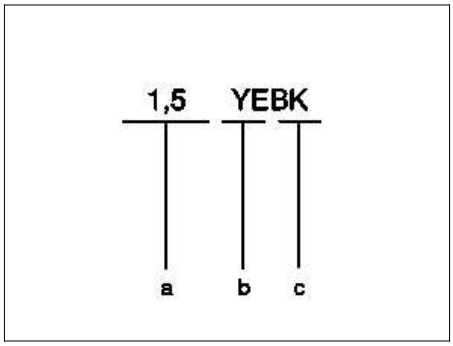
a Data bus interface
b Direct interface
c Symbols (components, control units)
d Reference to further wiring diagrams



P00.19-3084-01

Wire Identification

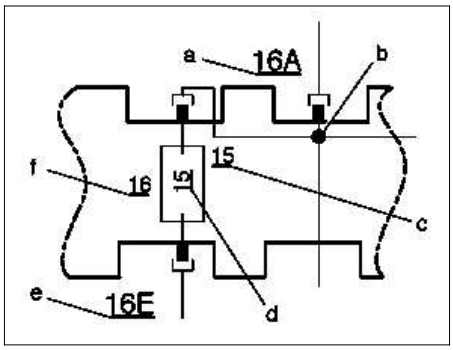
a Line cross section in mm 2
b Basic color
c Identification color



P00.19-2306-01

Fuse blocks

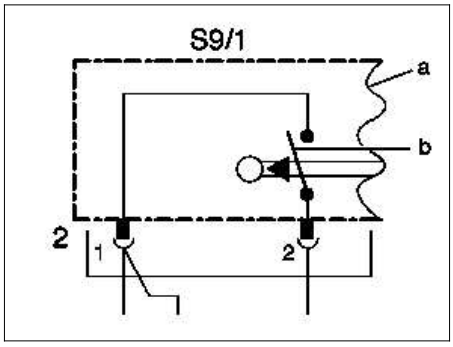
a Output slot numbering (A, B, C or D)
b Line bridge
c Terminal designation
d Fuse rating in amp(s)
e Input slot numbering (E)
f Fuse number



P00.19-0405-01

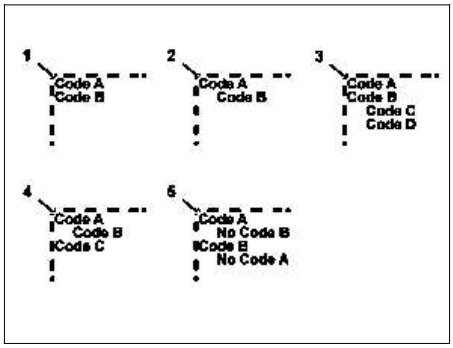
Components and switches

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



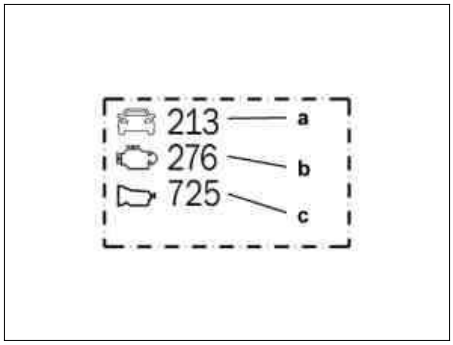
P00.19-0406-01

1 The variant is valid if at least one of the two validities applies.
2 The variant is valid if both validities apply.
3 The variant is valid if at least one of the two validities A and B and at least one of the two validities C and D applies.
4 The variant is valid if both validities A and B apply and/or the validity C applies.



P00.19-5469-01

a Vehicle model designation
b Engine model designation
c Transmission model



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 electrical connection → Document: Location and assignment of electrical connection
- Selection of ground point → 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

- The feed of the Z connector sleeves is shown by means of an arrow pointing to the left, the outputs by means of arrows pointing to the right as follows:

← **G2 Battery +**

→ N3/10 ME-SFI [ME] control unit 5

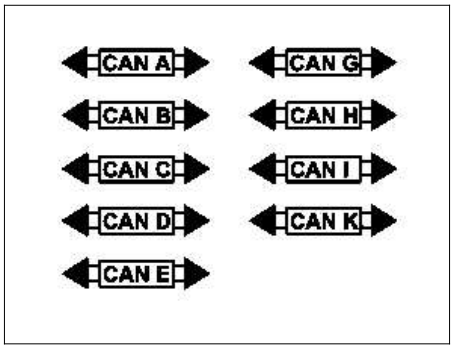
- The assignment of the ground point is shown as follows with an arrow to the right:

→ N3/10 ME-SFI [ME] control unit 2

- The assignment of the electrical connectors is shown as follows by the cable color on the pin and socket:

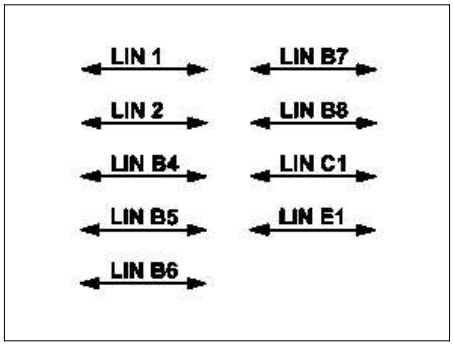
WHBK ⎯ 1 ⟩— WHBK

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



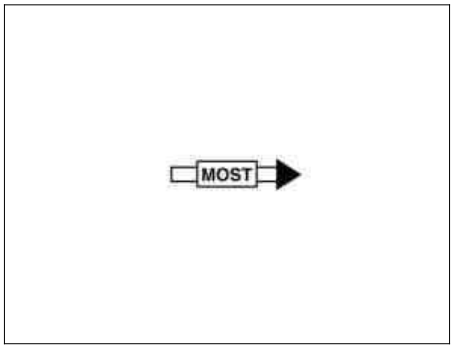
P00.01-3439-01

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