

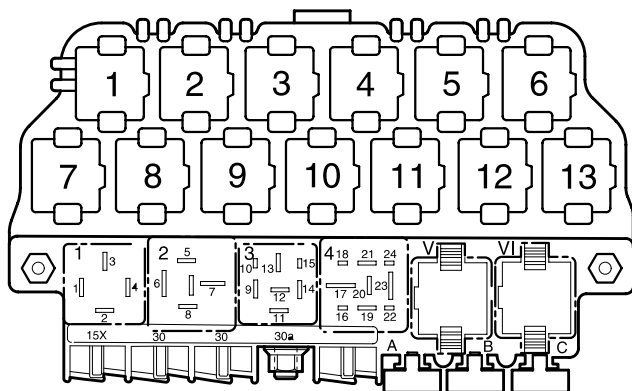
## Anti-lock brake system (ABS) with electronic differential lock (EDL), traction control system (TCS) and electronic stability program (ESP)

From November 2001

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.

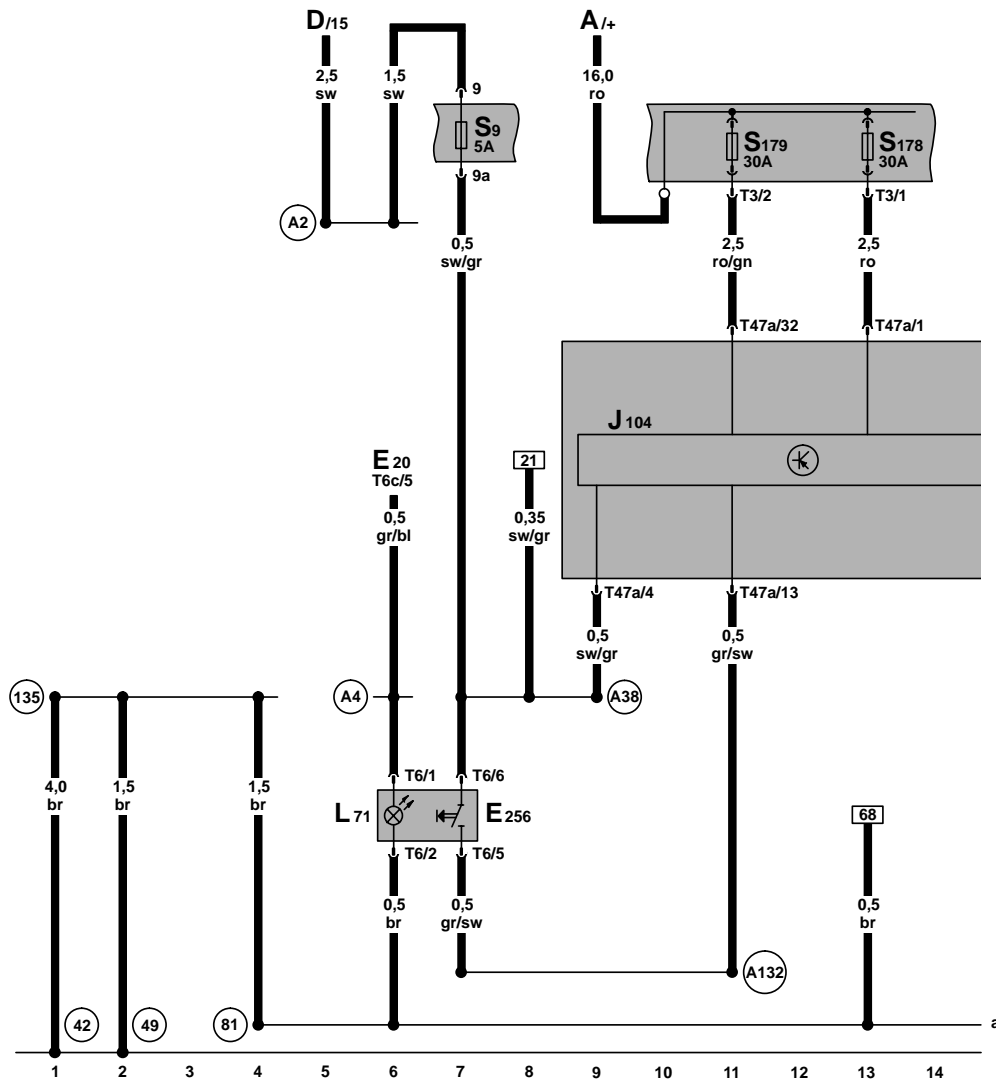
### Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple



97-14163

ABS with EDL/TCS/ESP control unit, TCS/ESP button



- A - Battery
  - D - Ignition/starter switch
  - E20 - Switches and instruments, lighting control
  - E256 - TCS/ESP button
  - J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
  - L71 - Traction control switch illumination
  - S9 - Fuse in fuse box
  - S178 - Fuse -6- (30), in fuse box/battery
  - S179 - Fuse -7- (30), in fuse box/battery
  - T3 - 3-pin connector
  - T6 - 6-pin connector
  - T6c - 6-pin connector
  - T47a - 47-pin connector
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- (42) - Earth point, next to steering column
  - (49) - Earth point, on steering column
  - (81) - Earth connection -1-, in dash panel wiring harness
  - (135) - Earth connection -2-, in dash panel wiring harness
  - A2 - Positive (+) connection (15), in dash panel wiring harness
  - A4 - Positive (+) connection (58b), in dash panel wiring harness
  - A38 - Positive (+) connection -2- (15a), in dash panel wiring harness
  - A132 - Connection (TCS/ESP), in dash panel wiring harness

ws = white  
 sw = black  
 ro = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = purple  
 ge = yellow  
 or = orange

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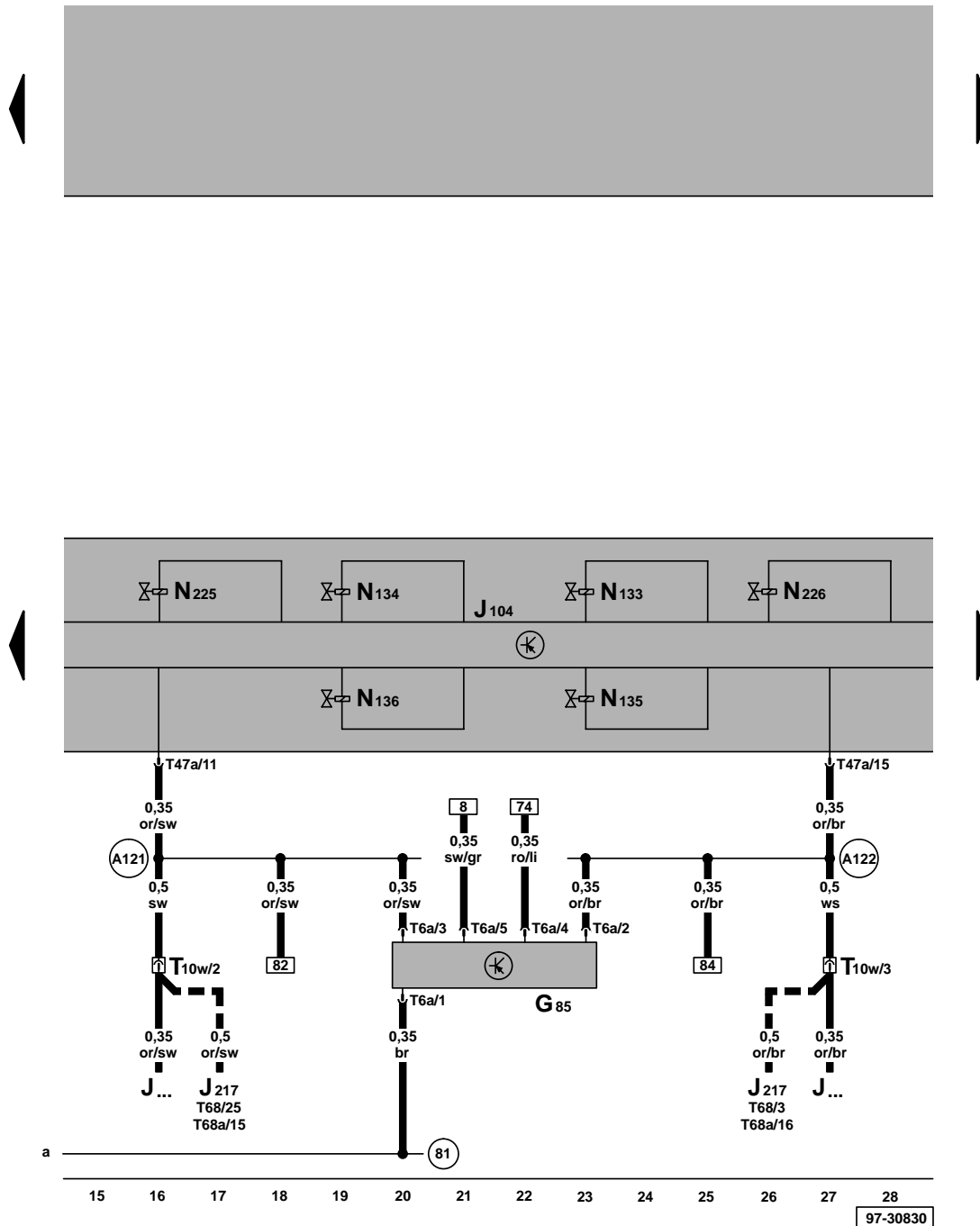
ABS with EDL/TCS/ESP control unit, steering angle sender

- G85 - Steering angle sender, on steering column
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- J217 - Automatic gear box control unit
- J... - Engine control units
- N133- ABS inlet valve, rear right
- N134- ABS inlet valve, rear left
- N135- ABS outlet valve, rear right
- N136- ABS outlet valve, rear left
- N225- Electronic stability program switch valve -1-
- N226- Electronic stability program switch valve -2-
- T6a - 6-pin connector
- T10w- 10-pin connector, white, in protective housing for connectors, in plenum chamber, left
- T47a - 47-pin connector
- T68 - 68-pin connector, only models with four speed automatic gearbox (AG4)
- T68a - 68-pin connector, only models with five speed automatic gearbox (AG5)

- (81) - Earth connection -1-, in dash panel wiring harness
- (A121) - Connection (high bus), in dash panel wiring harness
- (A122) - Connection (low bus), in dash panel wiring harness

--- Only models with automatic gearbox

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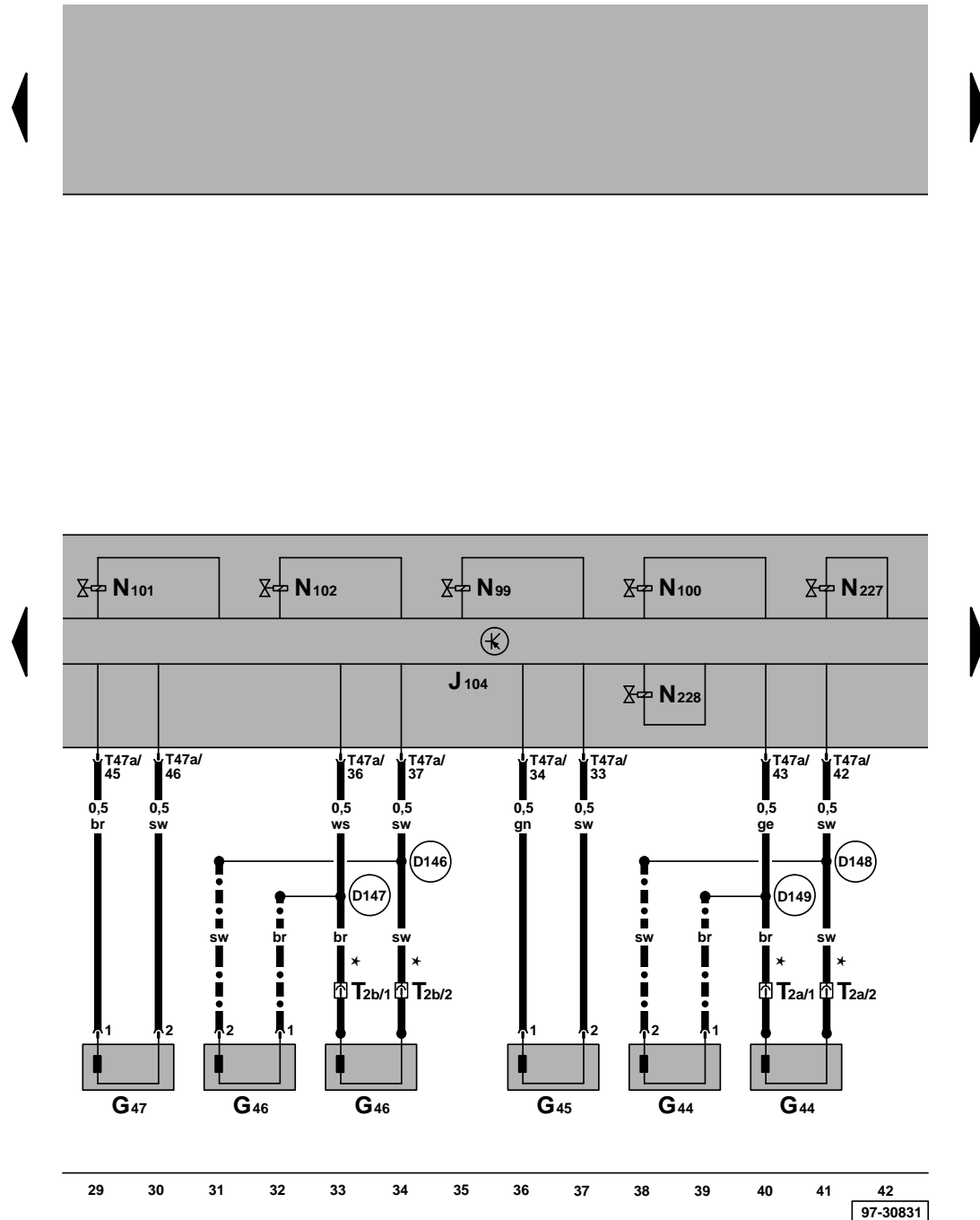
ABS with EDL/TCS/ESP control unit, speed sensors

- G44 - Rear right speed sensor
- G45 - Front right speed sensor
- G46 - Rear left speed sensor
- G47 - Front left speed sensor
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- N99 - ABS inlet valve, front right
- N100- ABS outlet valve, front right
- N101- ABS inlet valve, front left
- N102- ABS outlet valve, front left
- N227- Electronic stability program high pressure valve -1-
- N228- Electronic stability program high pressure valve -2-
- T2a - 2-pin connector, near rear right speed sensor
- T2b - 2-pin connector, near rear left speed sensor
- T47a - 47-pin connector

- (D146) - Connection (rear left speed sensor +), in engine compartment wiring harness
- (D147) - Connection (rear left speed sensor -), in engine compartment wiring harness
- (D148) - Connection (rear right speed sensor +), in engine compartment wiring harness
- (D149) - Connection (rear right speed sensor -), in engine compartment wiring harness

- \* - Only models with four-wheel drive
- Only models without four-wheel drive

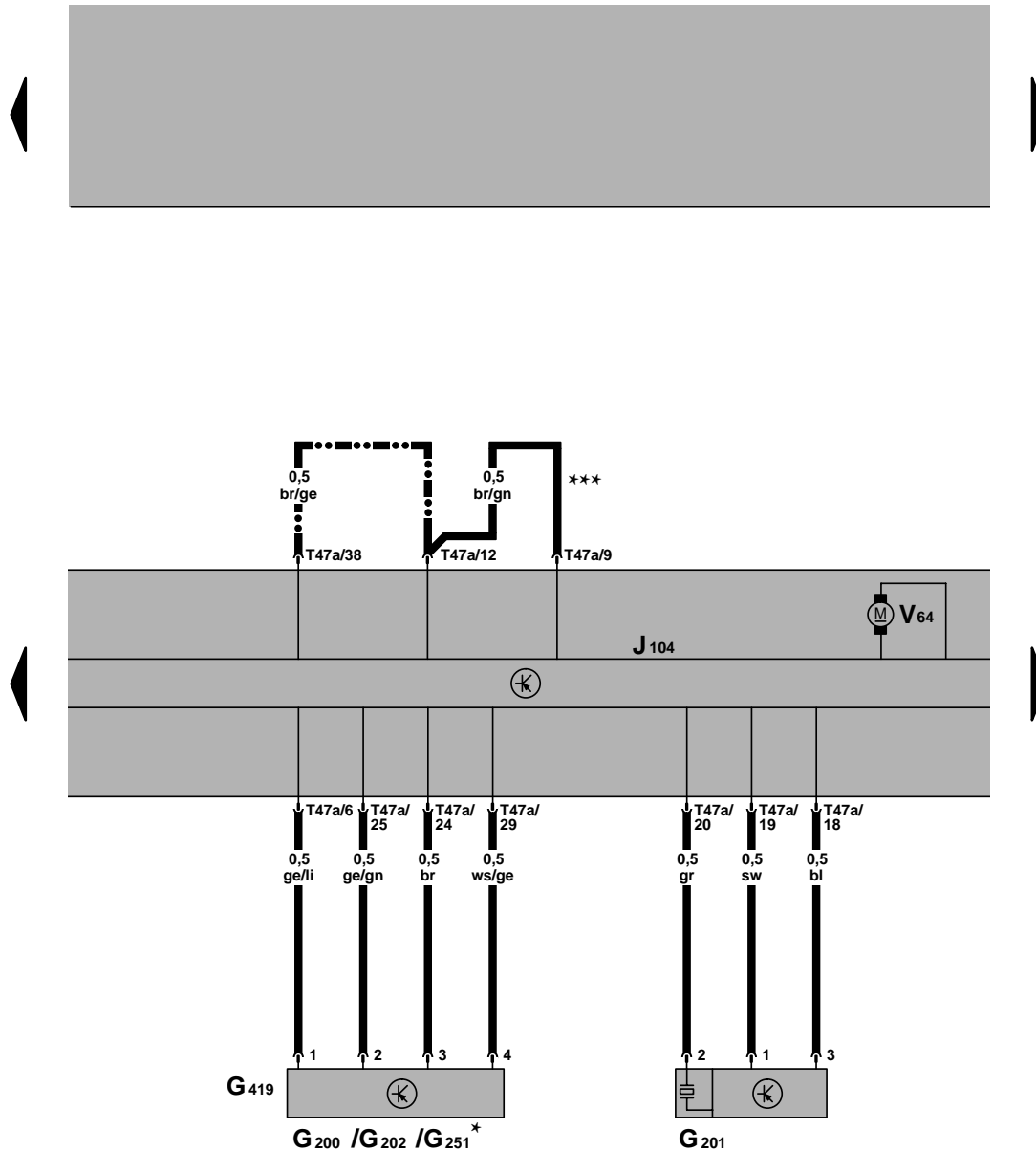
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ABS with EDL/ TCS/ ESP control unit, lateral acceleration sender, brake pressure sender, yaw rate sender, ABS hydraulic pump, longitudinal acceleration sender, ESP sensor unit

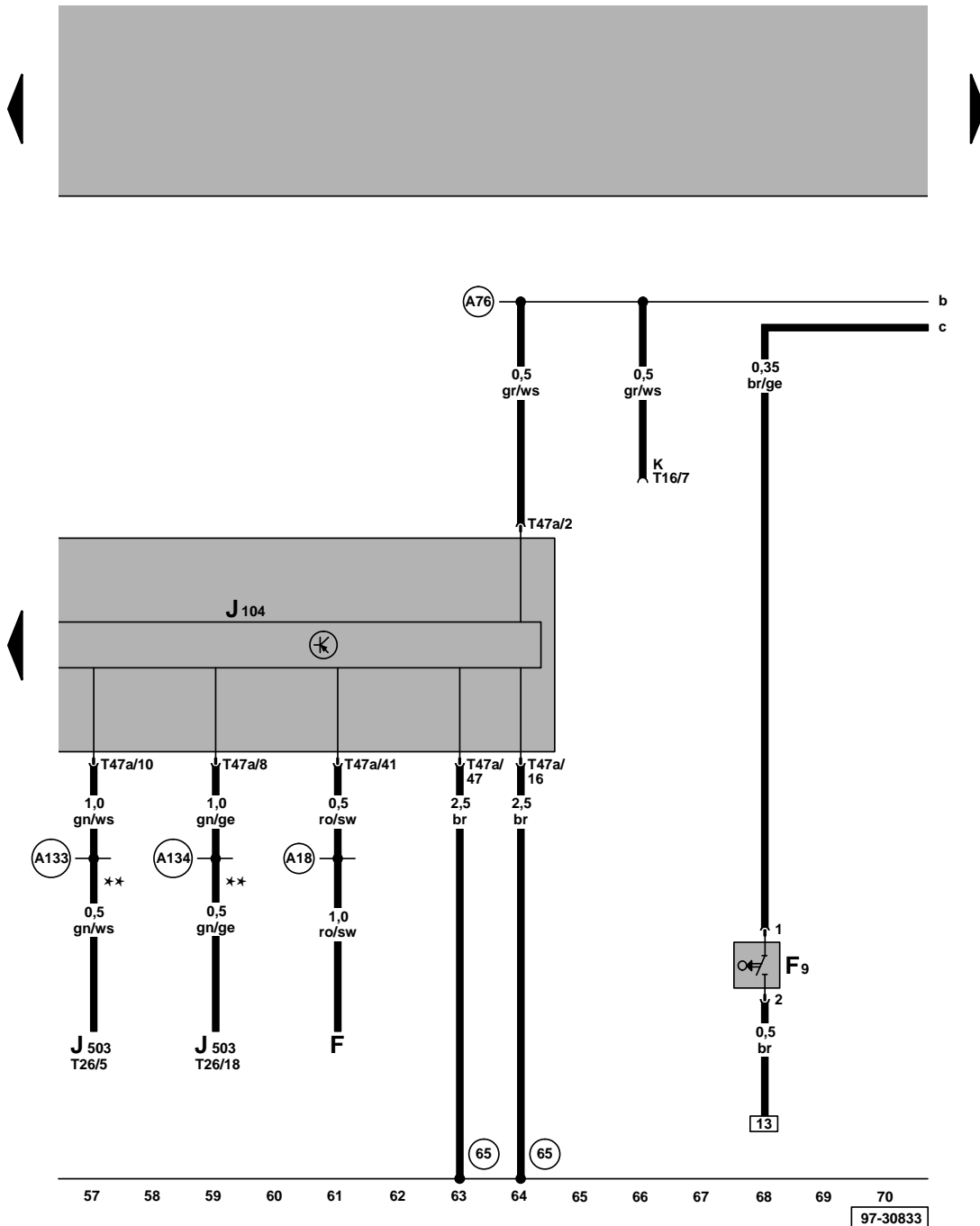
- G200- Lateral acceleration sender, on steering column
- G201- Brake pressure sender -1-, on brake master cylinder
- G202- Yaw rate sender, on steering column
- G251- Longitudinal acceleration sender, on steering column\*
- G419- ESP sensor unit
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- T47a - 47-pin connector
- V64 - ABS hydraulic pump

- \* - Only models with four-wheel drive
- \*\*\* - Only models with ESP and four-wheel drive
- Only models with ESP and front-wheel drive



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ABS with EDL/TCS/ESP control unit, handbrake warning switch, self-diagnosis connection



- F - Brake light switch
- F9 - Handbrake warning switch
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- J503 - Control unit with display for radio and navigation\*\*
- T16 - 16-pin connector, in dash panel centre, self-diagnosis connection
- T26 - 26-pin connector\*\*
- T47a - 47-pin connector

- (65) - Earth point, longitudinal member left, front
- (A18) - Connection (54), in dash panel wiring harness
- (A76) - Connection (diagnosis wire K), in dash panel wiring harness
- (A133) - Connection (ABS impulse left), in dash panel wiring harness
- (A134) - Connection (ABS impulse right), in dash panel wiring harness

\*\* - Only models with navigation

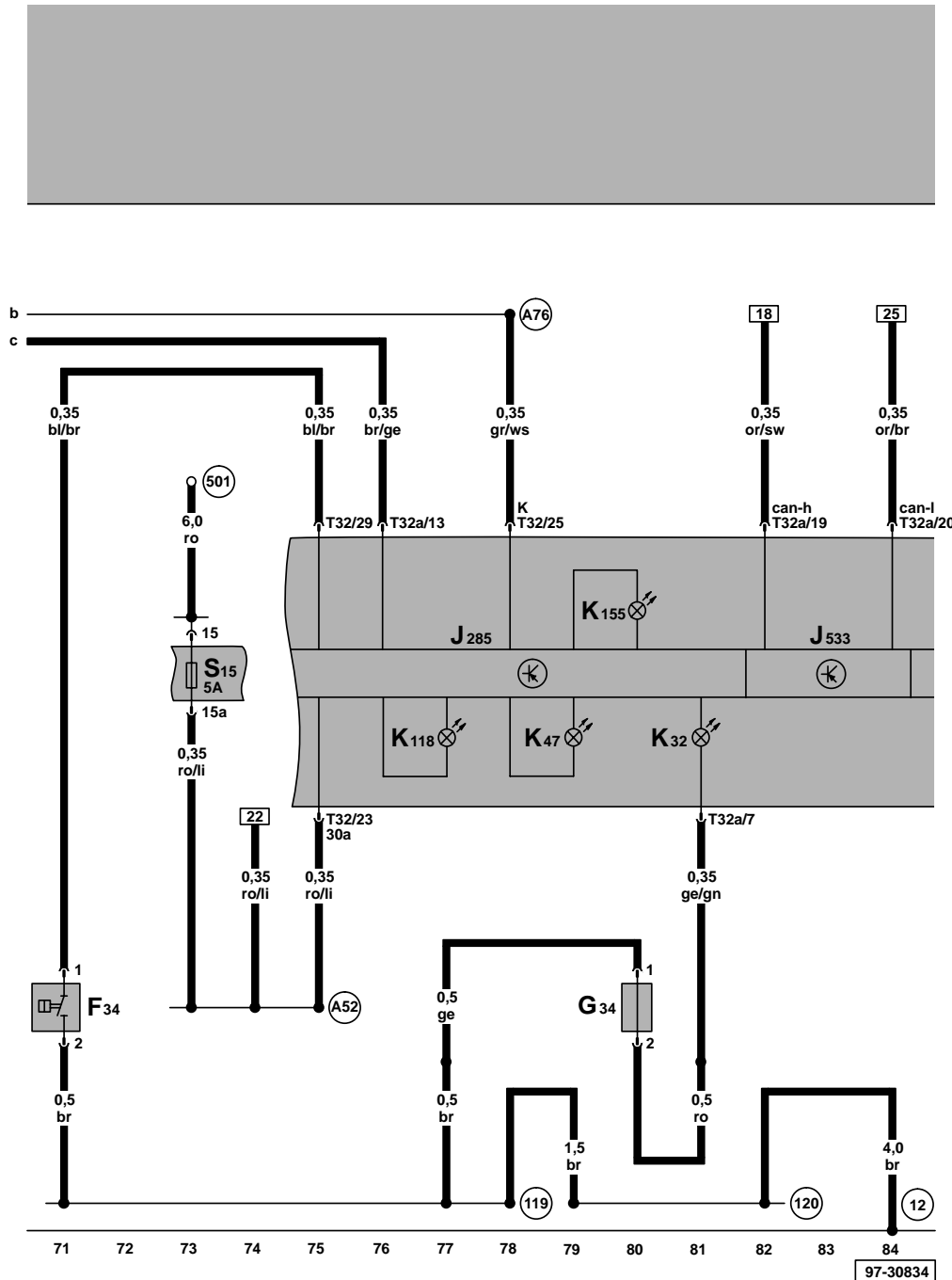
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Dash panel insert, brake system warning lamp, ABS warning lamp, TCS/ESP warning lamp, brake pad/lining warning lamp, brake fluid level warning contact

- F34 - Brake fluid level warning contact
- G34 - Brake lining/pad wear sender, front left
- J285 - Control unit with display in dash panel insert
- J533 - Data bus diagnostic interface, in dash panel insert
- K32 - Brake pad/lining warning lamp
- K47 - ABS warning lamp
- K118 - Brake system warning lamp
- K155 - TCS/ESP warning lamp
- S15 - Fuse in fuse box
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green

- (12) - Earth point, in engine compartment, left
- (119) - Earth connection -1-, in headlight wiring harness
- (120) - Earth connection -2-, in headlight wiring harness
- (501) - Screw connection -2- (30), on relay plate
- (A52) - Positive (+) connection (30a), in dash panel wiring harness
- (A76) - Connection (diagnosis wire K), in dash panel wiring harness

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