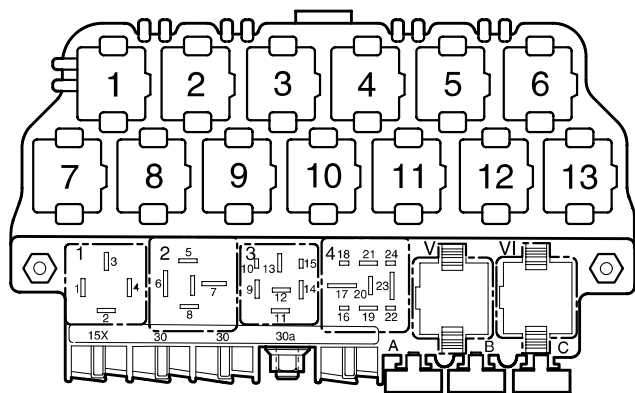


Anti-lock brake system (ABS) with electronic differential lock (EDL), traction control system (TCS) and electronic stability program (ESP)

from May 1999

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



97-14163

Relay locations on the 13 position additional relay carrier above the relay plate:

- 7** Brake light suppression relay (206)

Relay locations on relay plate:

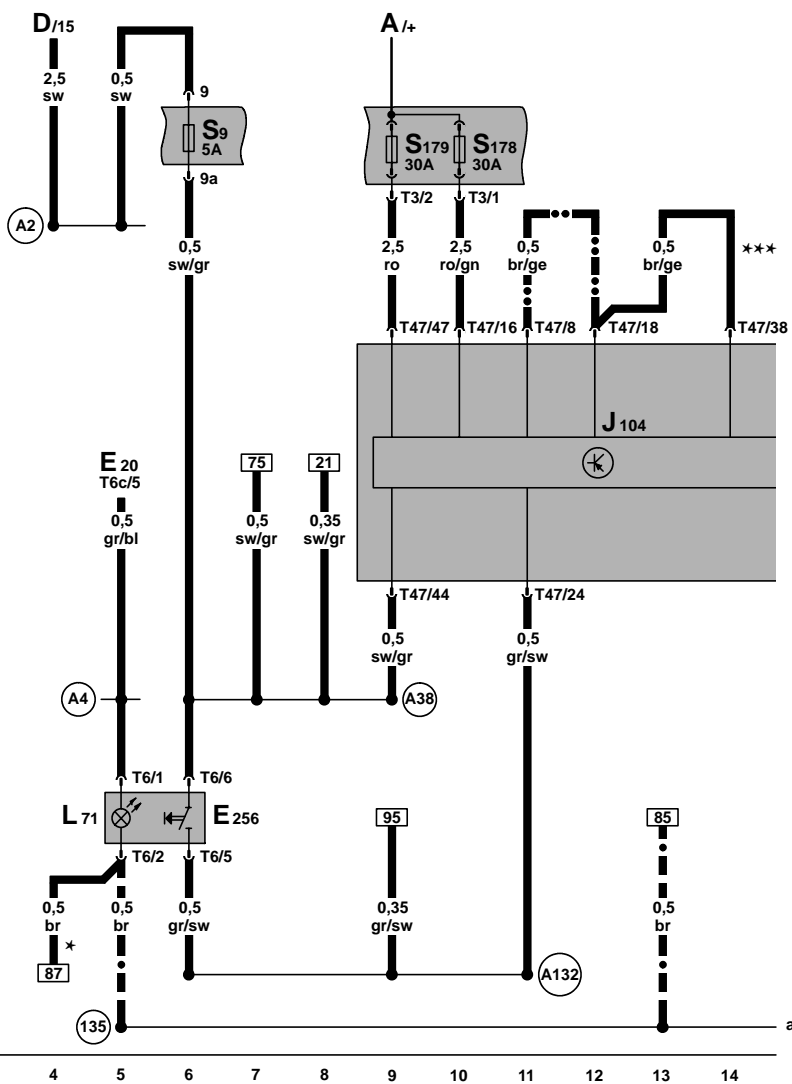
Note:

The number in brackets behind the part designation denotes the control number on the housing.

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

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
- T47 - 47-pin connector

- (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

- *** - Only models with four-wheel drive
- Only models with front-wheel drive
- * - From May 2000
- Up to April 2000

ws = white
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 gn = green
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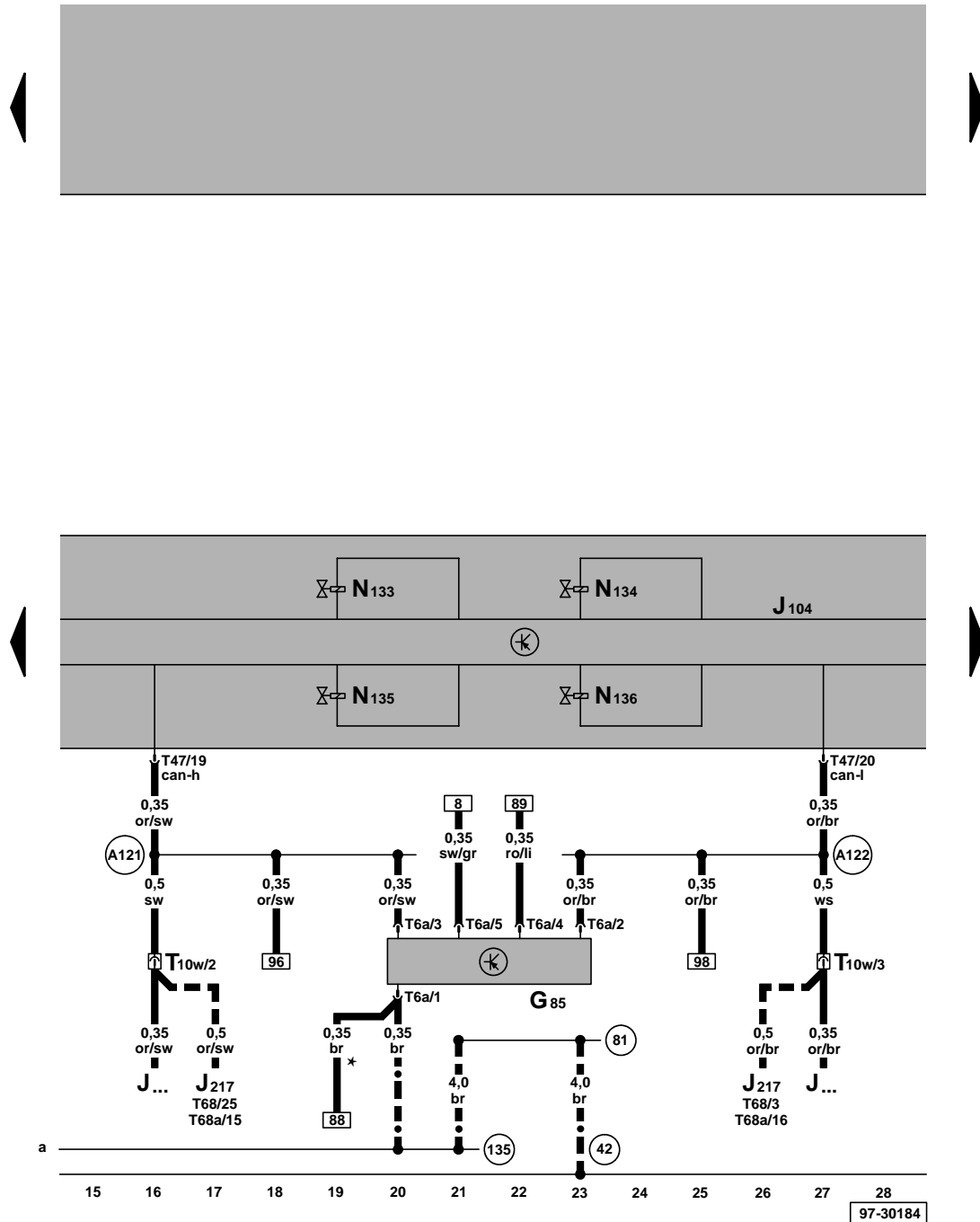
ABS with EDL/TCS/ESP control unit, steering angle sender

- G85 - Steering angle sender, on steering column
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- J217 - Automatic gearbox 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
- T6a - 6-pin connector
- T10w - 10-pin connector, white, in protective housing for connectors, in plenum chamber, left
- T47 - 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)

- (42) - Earth point, next to steering column
- (81) - Earth connection -1-, in dash panel wiring harness
- (135) - Earth connection -2-, 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
- * - From May 2000
- Up to April 2000

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97-30184

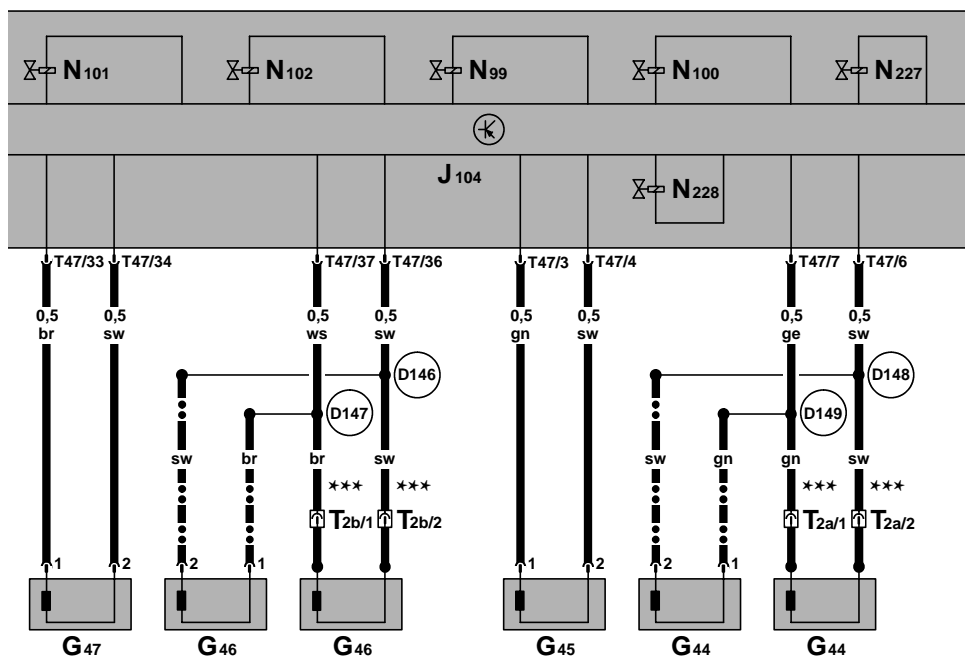
ABS with EDL/TCS/ESP control unit, speed sensors

- 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
- T47 - 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 with front-wheel drive

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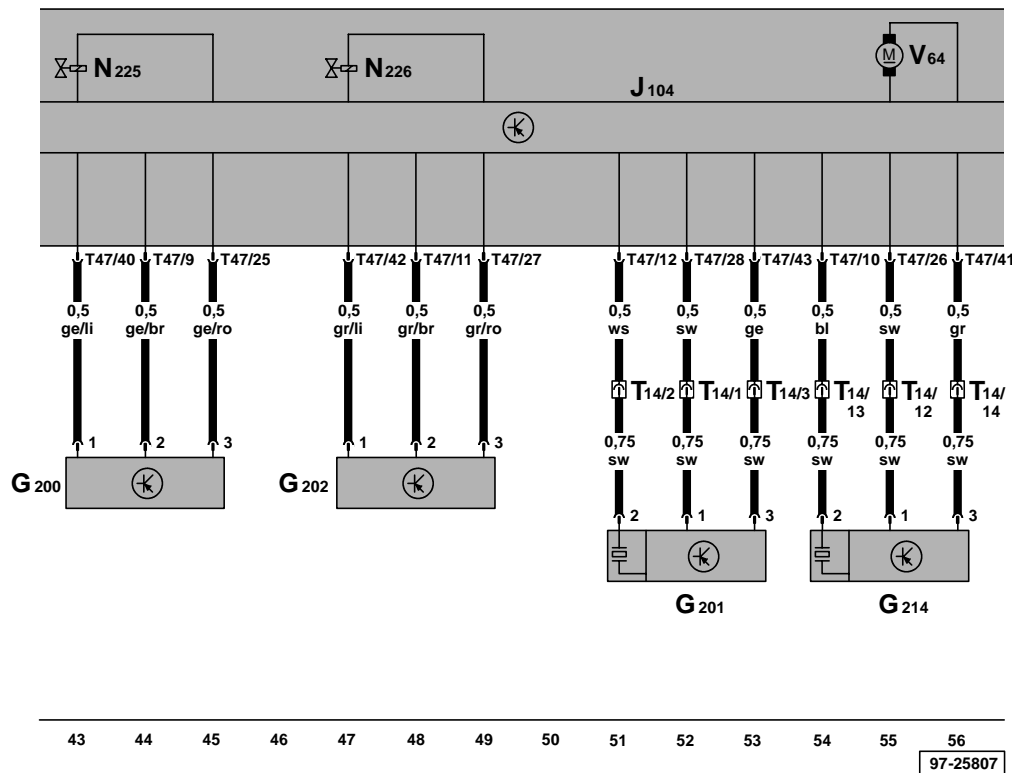


29 30 31 32 33 34 35 36 37 38 39 40 41 42

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

- G200- Lateral acceleration sender, next to steering column
- G201 - Brake pressure sender -1-, on brake master cylinder
- G202- Yaw rate sender, on steering column
- G214 - Brake pressure sender 2, on brake master cylinder
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- N225- Electronic stability program switch valve -1-
- N226- Electronic stability program switch valve -2-
- T14 - 14-pin connector, in engine compartment, left
- T47 - 47-pin connector
- V64 - ABS hydraulic pump

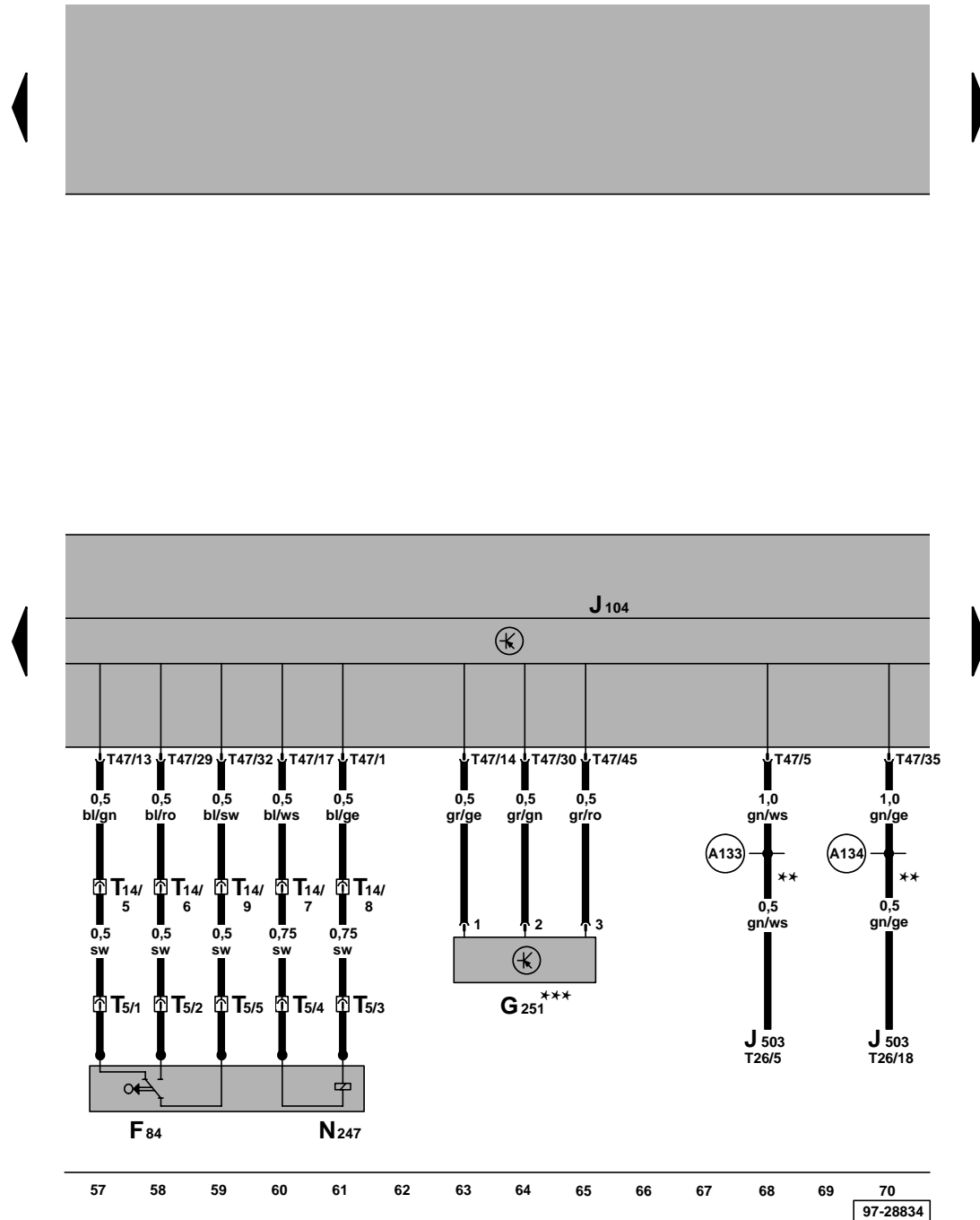


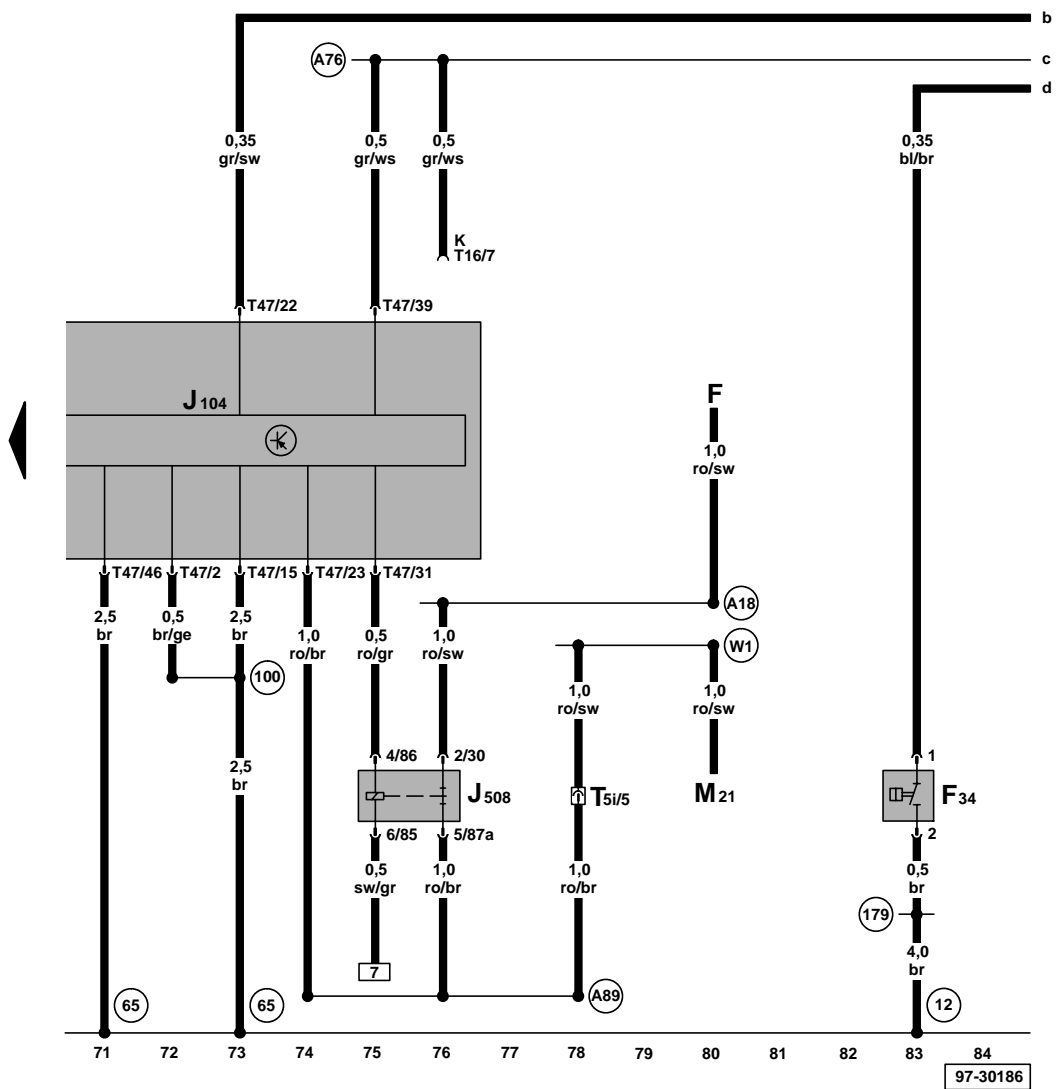
ABS with EDL/ TCS/ ESP control unit, longitudinal acceleration sender, brake pressure solenoid trip switch, brake pressure solenoid valve

- F84 - Brake pressure solenoid trip switch
- G251 - Longitudinal acceleration sender, on right A-pillar***
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- J503 - Control unit with display for radio and navigation
- N247 - Brake pressure solenoid valve, in brake servo
- T5 - 5-pin connector, in engine compartment, rear
- T14 - 14-pin connector, in engine compartment, left
- T26 - 26-pin connector**
- T47 - 47-pin connector

-  - Connection (ABS impulse left), in dash panel wiring harness
-  - Connection (ABS impulse right), in dash panel wiring harness

- ** - Only models with navigation
- *** - Only models with four-wheel drive





ABS with EDL/ TCS/ ESP control unit, brake fluid level warning contact, brake light suppression relay

- F - Brake light switch
- F34 - Brake fluid level warning contact
- J104 - ABS with EDL/ TCS/ ESP control unit, in engine compartment, left
- J508 - Brake light suppression relay, on the position additional relay carrier above the relay plate
- M21 - Brake and tail light bulb, left
- T5i - 5-pin connector, near lower part of left A- pillar, entwined in wiring harness
- T16 - 16-pin connector, in dash panel centre, self-diagnosis connection
- T47 - 47-pin connector

- (12) - Earth point, in engine compartment, left
- (65) - Earth point, longitudinal member left, front
- (100) - Earth connection -1-, in ABS wiring harness
- (179) - Earth connection, in left headlight wiring harness
- (A18) - Connection (54), in dash panel wiring harness
- (A76) - Connection (diagnosis wire K), in dash panel wiring harness
- (A89) - Connection (54), in dash panel wiring harness
- (W1) - Positive (+) connection (54), in rear wiring harness

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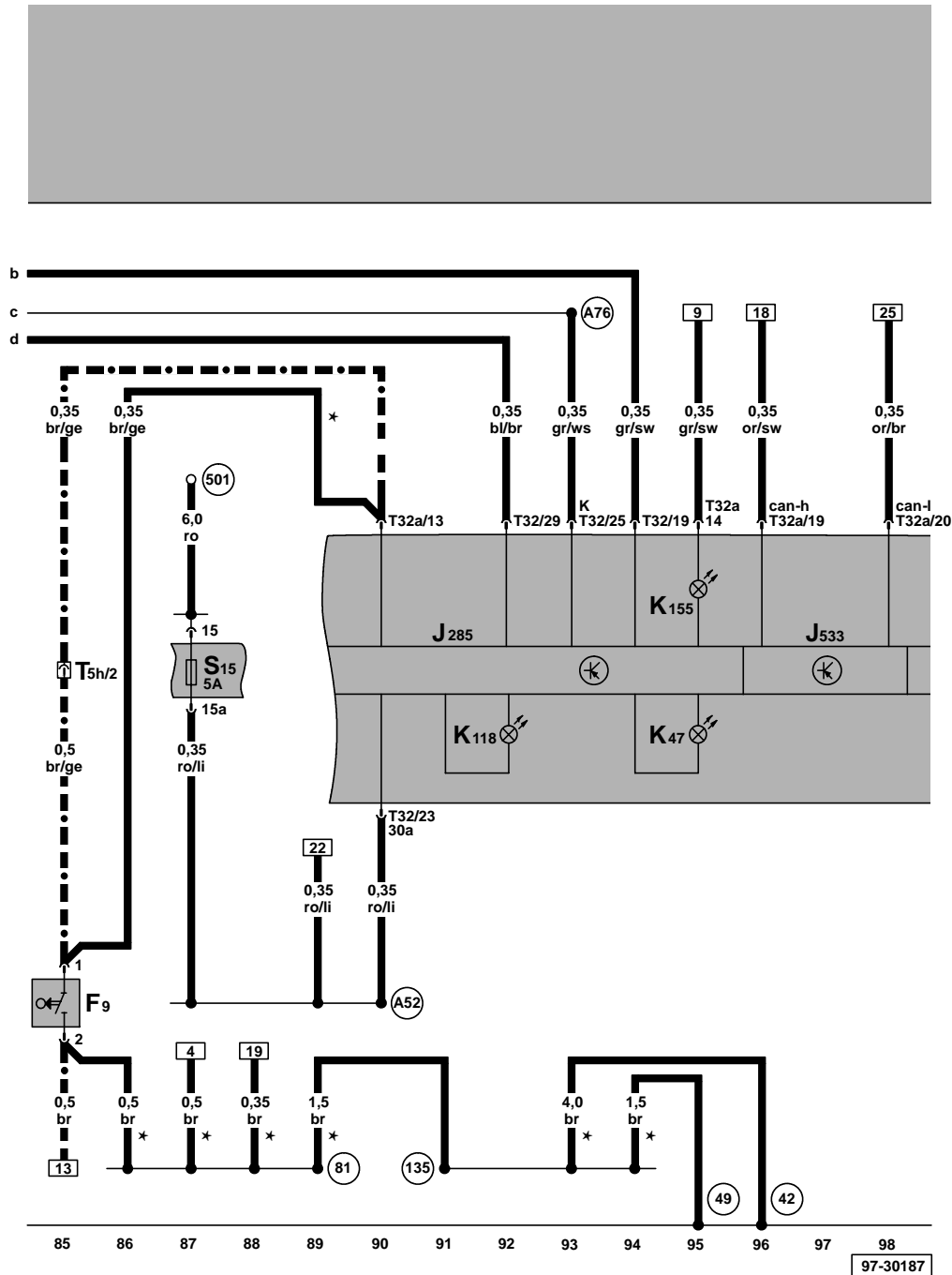
Control unit with display in dash panel insert, brake system warning lamp, ABS warning lamp, TCS/ESP warning lamp, handbrake warning switch

- F9 - Handbrake warning switch
- J285 - Control unit with display in dash panel insert
- J533 - Data bus diagnostic interface, in dash panel insert
- K47 - ABS warning lamp
- K118 - Brake system warning lamp
- K155 - TCS/ESP warning lamp
- S15 - Fuse in fuse box
- T5h - 5-pin connector, near lower part of left A- pillar, entwined in wiring harness
- T32 - 32-pin connector, blue
- T32a - 32-pin connector, green

- (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
- (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

* - From May 2000
 - - - Up to April 2000

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