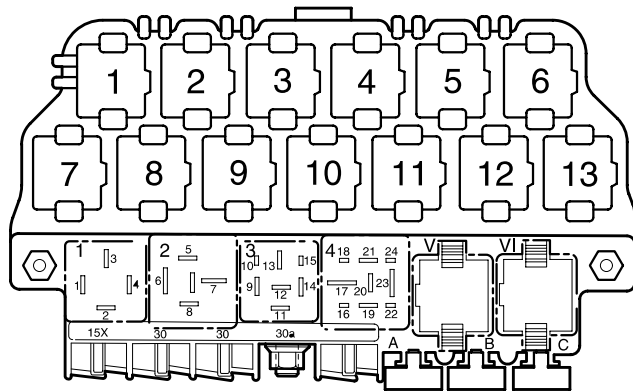


Anti-lock brake system (ABS) with electronic differential lock (EDL), traction control system (TCS) and electronic stability programme (ESP),

from April 1998

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



97-14163

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

7 Brake light cut-out relay (206)

Relay locations on relay plate:

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 – lilac

Note:

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

ABS with EDL/TCS/ESP control unit, buttons for TCS/ESP

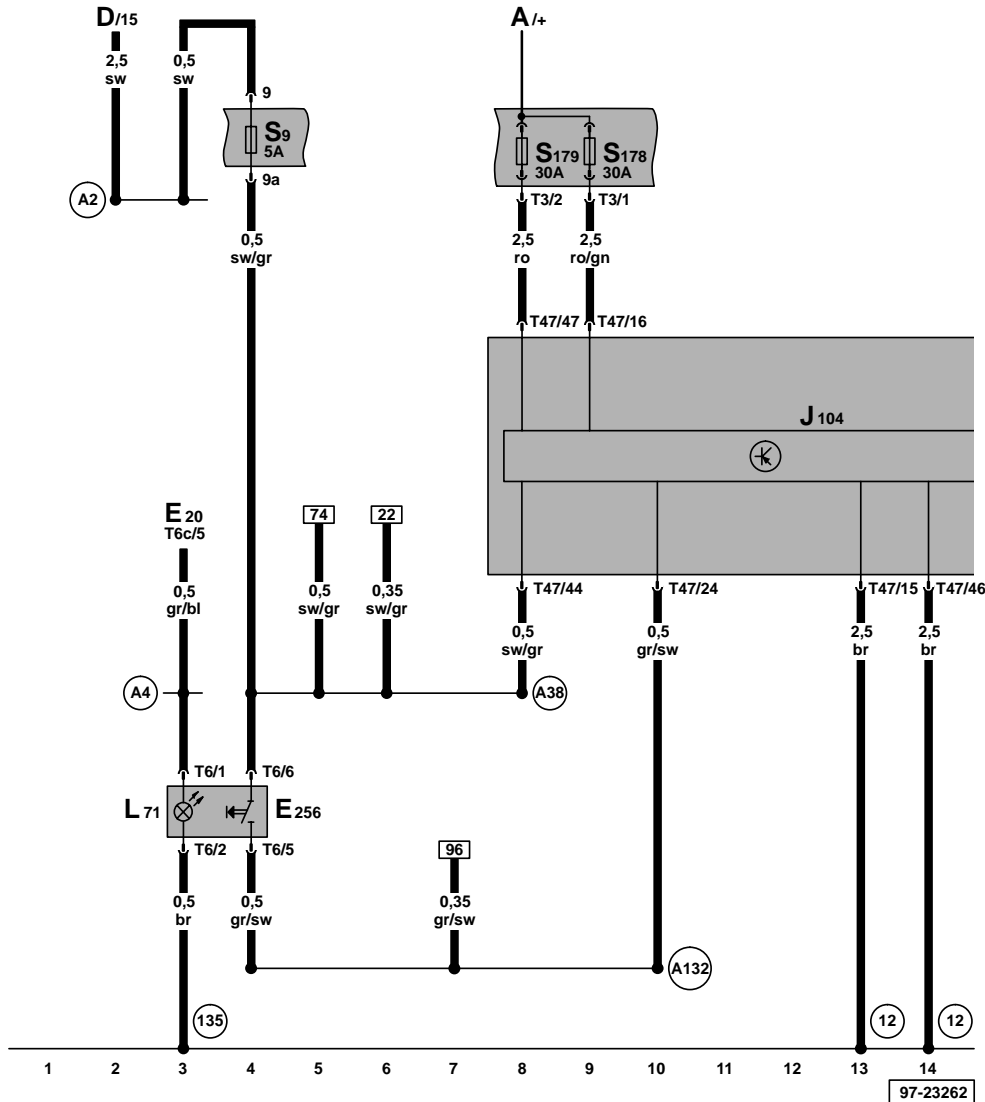


- A - Battery
- D - Ignition/starter switch
- E20 - Switches and instruments-lighting control
- E256 - TCS/ESP button
- J104 - ABS with EDL/TCS/ESP control unit, left in engine compartment
- L71 - Traction control switch illumination
- S9 - Fuse in relay plate fuse box
- S178 - Fuse -6- (30), in battery fuse holder
- S179 - Fuse -7- (30), in battery fuse holder
- T3 - 3-pin connector
- T6 - 6-pin connector
- T6c - 6-pin connector
- T47 - 47-pin connector

- (12) - Earth point, in engine compartment, left
- (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 = lilac
 ge = yellow



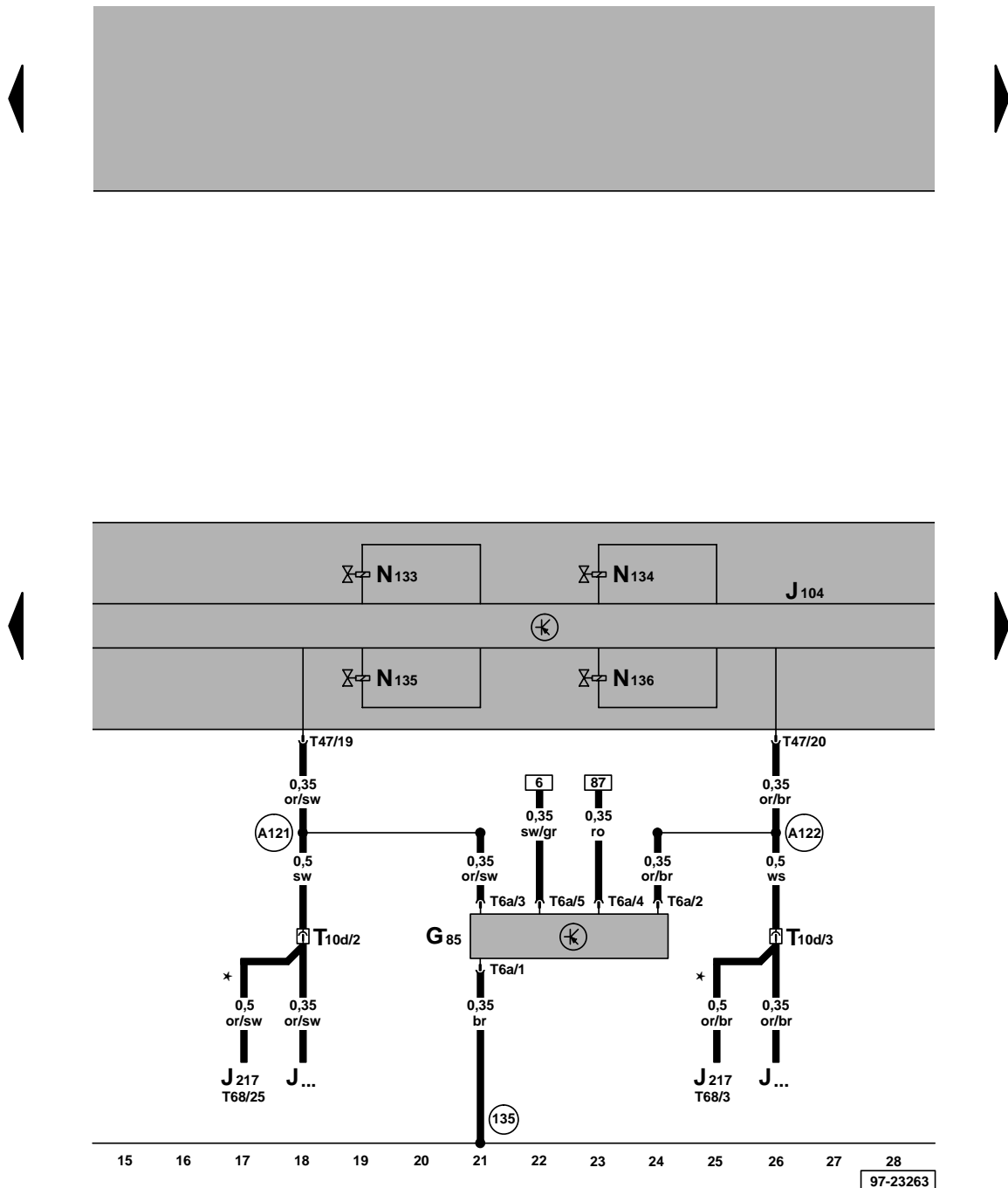
97-23262

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, left in engine compartment
- J217 - Automatic gearbox control unit, centre in plenum chamber*
- J... - Engine control unit
- 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
- T10d - 10-pin connector, green, in protective housing for connectors, left in plenum chamber
- T47 - 47-pin connector
- T68 - 68-pin connector*

- (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

* - For vehicles with automatic gearbox only



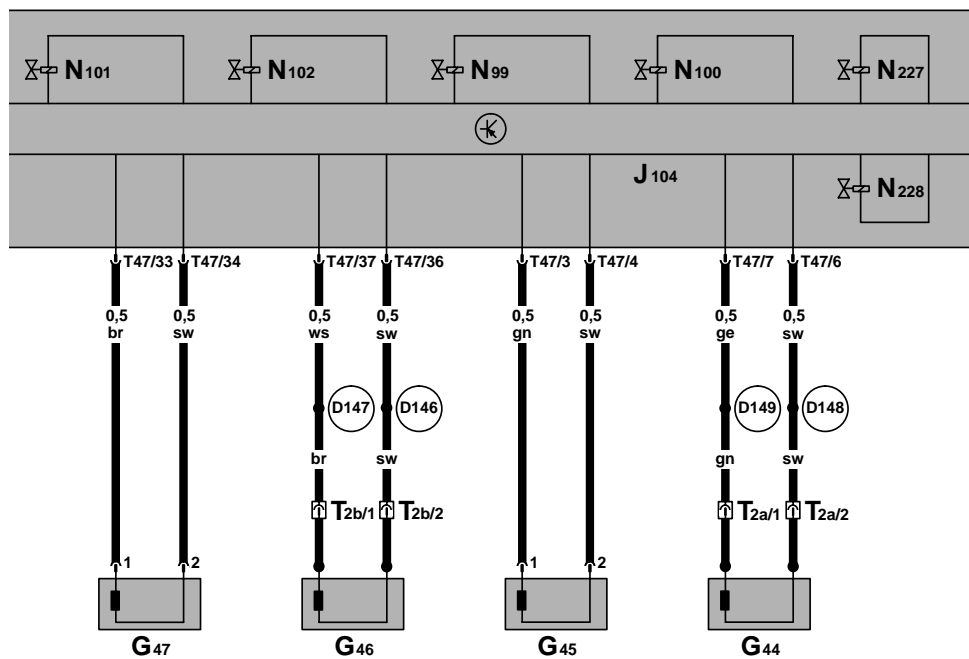
ws = white
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 bl = blue
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 li = lilac
 ge = yellow

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, left in engine compartment
- 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

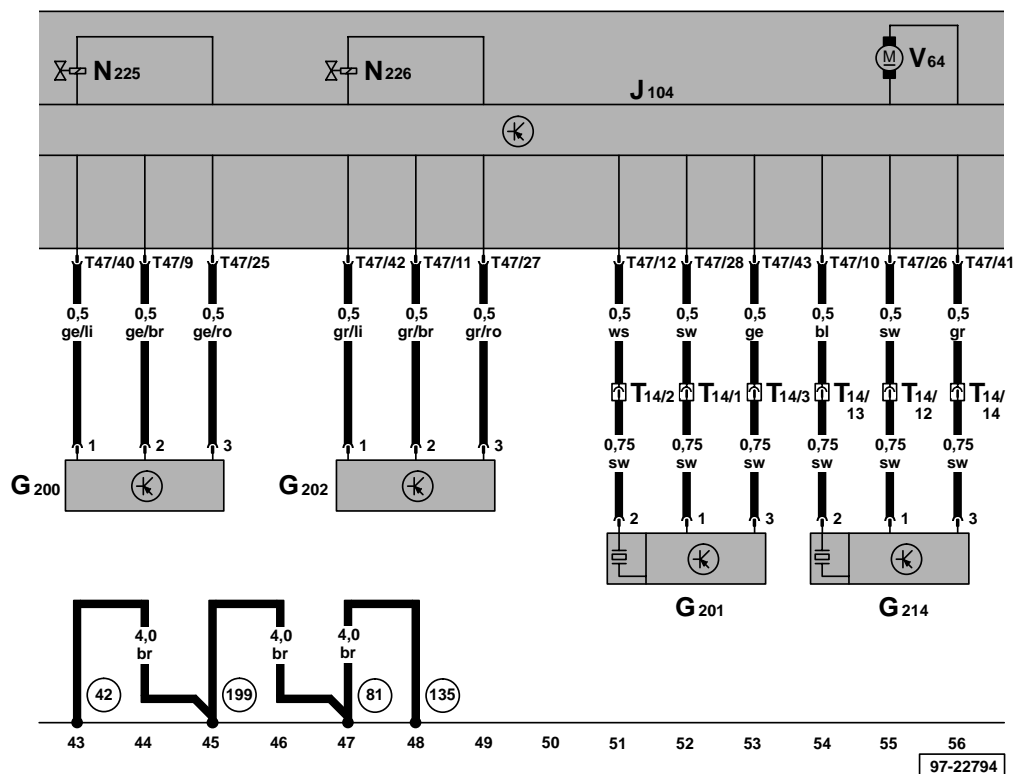
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow



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

- (42) – Earth point on the steering column
- (81) – Earth connection -1-, in dash panel wiring harness
- (135) – Earth connection -2-, in dash panel wiring harness
- (199) – Earth connection -3-, in dash panel wiring harness



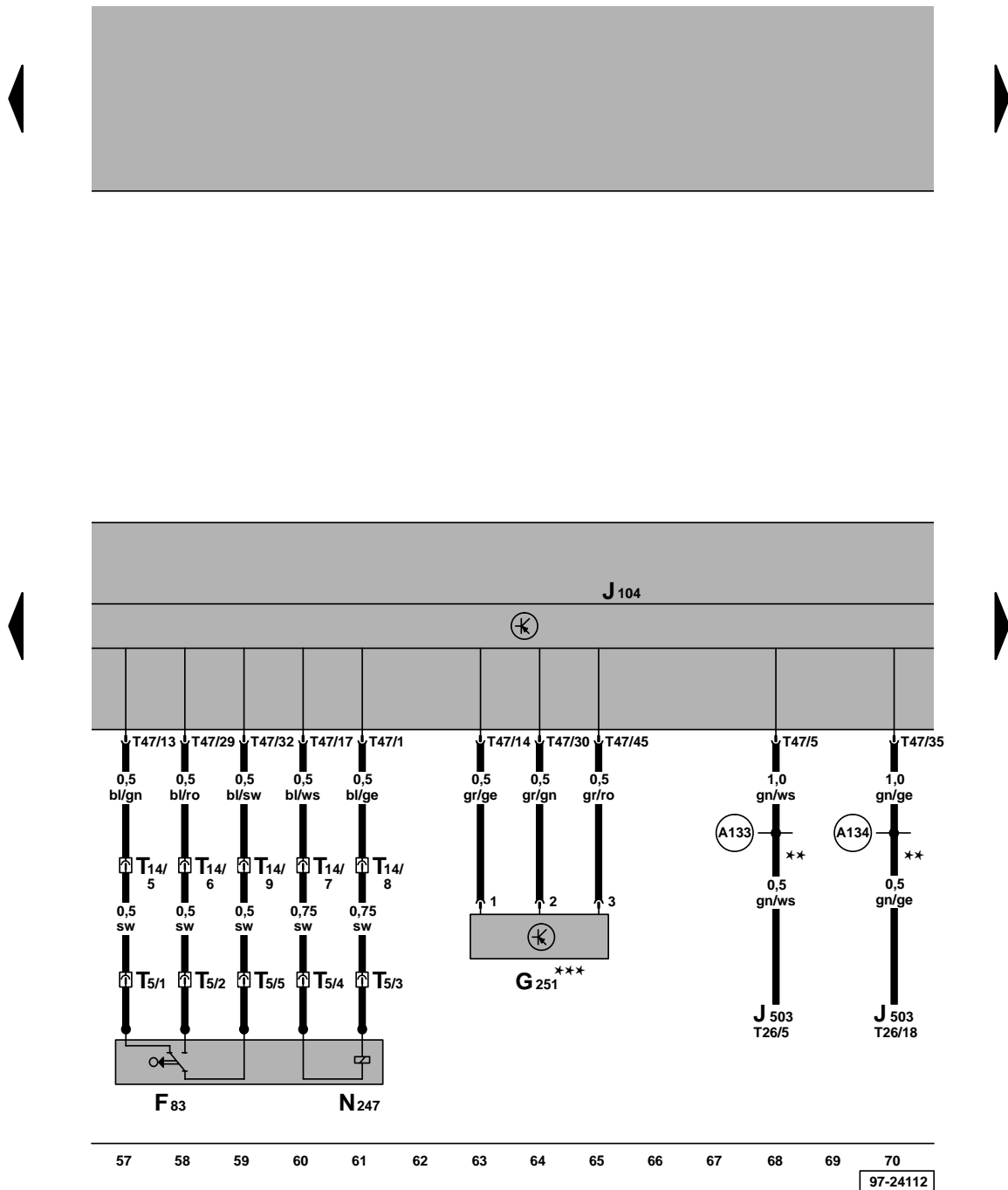
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

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

- F83 – Brake detection switch, ESP, in brake servo
- G251 – Longitudinal acceleration sender, on the right A pillar***
- J104 – ABS with EDL/TCS/ESP control unit, left in engine compartment
- J503 – Control unit with display for radio and navigation
- N247 – Brake pressure solenoid valve, in brake servo
- T5 – 5-pin connector, rear in engine compartment
- T14 – 14-pin connector, left in engine compartment
- T26 – 26-pin connector**
- T47 – 47-pin connector

- (A133) – Connection (ABS impulse left), in dash panel wiring harness
- (A134) – Connection (ABS impulse right), in dash panel wiring harness

- ** – For vehicles with navigation system only
- *** – For vehicles with four-wheel drive only



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 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow

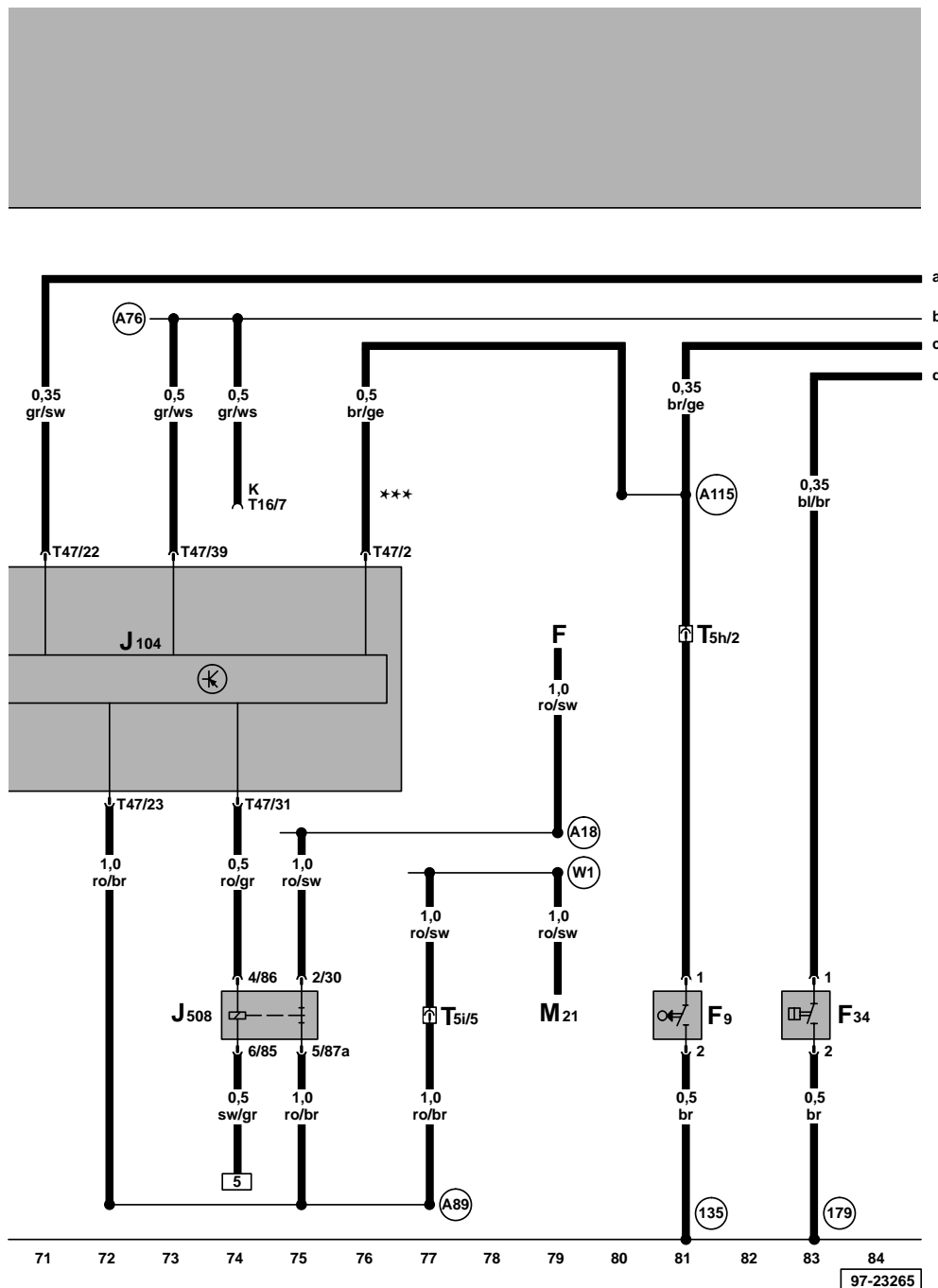
ABS with EDL/TCS/ESP control unit, handbrake warning lamp switch, brake fluid level warning contact, brake light cut-out relay

- F - Brake light switch
- F9 - Handbrake warning switch
- F34 - Brake fluid level warning contact
- J104 - ABS with EDL/TCS/ESP control unit, left in engine compartment
- J508 - Brake lights deactivation relay, on the position relay carrier above the relay plate
- M21 - Brake and tail light bulb, left
- T5h - 5-pin connector, near lower left A pillar, woven into wiring harness
- T5i - 5-pin connector, near lower left A pillar, entwined in wiring harness
- T16 - 16-pin connector, in centre of dash panel, self-diagnosis connection
- T47 - 47-pin connector

- (135) - Earth connection -2-, in dash panel 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
- (A115) - Connection (Handbrake warning), in dash panel wiring harness
- (W1) - Positive (+) connection (54), in rear wiring harness

*** - For vehicles with four-wheel drive only

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 ge = yellow

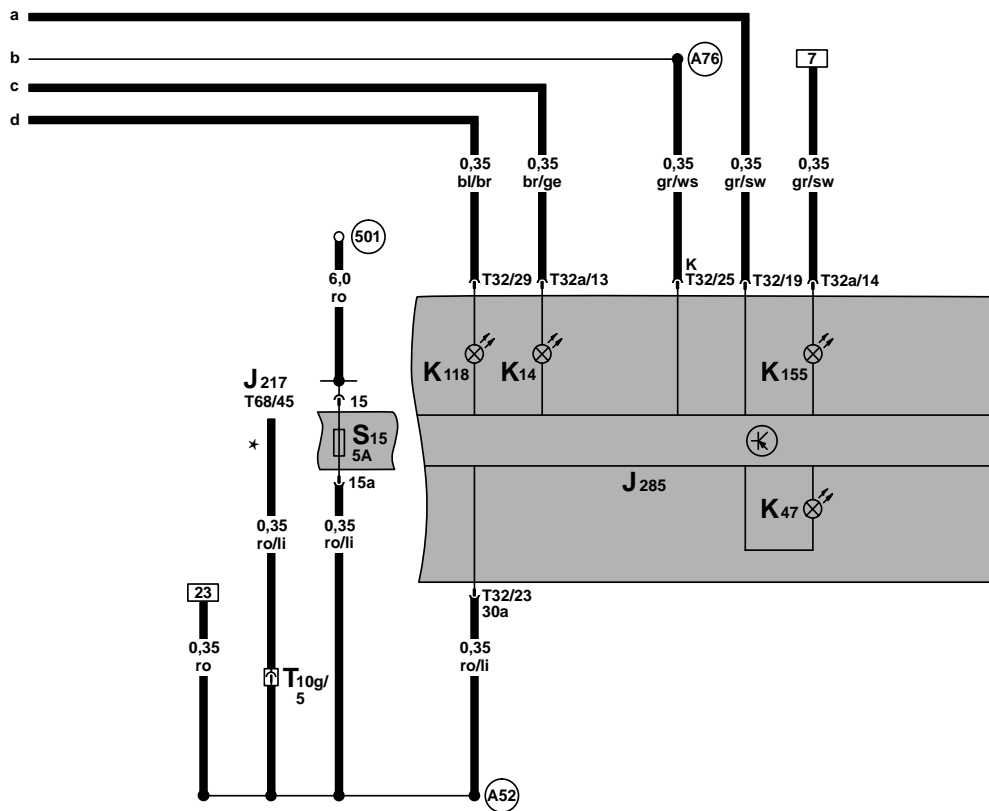


Control unit with display unit in dash panel insert, handbrake warning lamp, brake system warning lamp, ABS warning lamp, TCS/ESP warning lamp

- J217 – Automatic gearbox control unit*
- J285 – Control unit with display in dash panel insert
- K14 – Handbrake warning lamp
- K47 – ABS warning lamp
- K118 – Brake system warning lamp
- K155 – Stability program warning lamp
- S15 – Fuse in relay plate fuse box
- T10g – 10-pin connector, grey, in protective housing for connectors, in plenum chamber, left
- T32 – 32-pin connector, blue
- T32a – 32-pin connector, green
- T68 – 68-pin connector*

- (501) – Screw connection -2- (30), on relay plate
- (A52) – Positive connection -2- (30a), in dash panel wiring harness
- (A76) – Connection (diagnosis wire K), in dash panel wiring harness

* – For vehicles with manual gearbox only



ws = white
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 ro = red
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 gn = green
 bl = blue
 gr = grey
 li = lilac
 ge = yellow