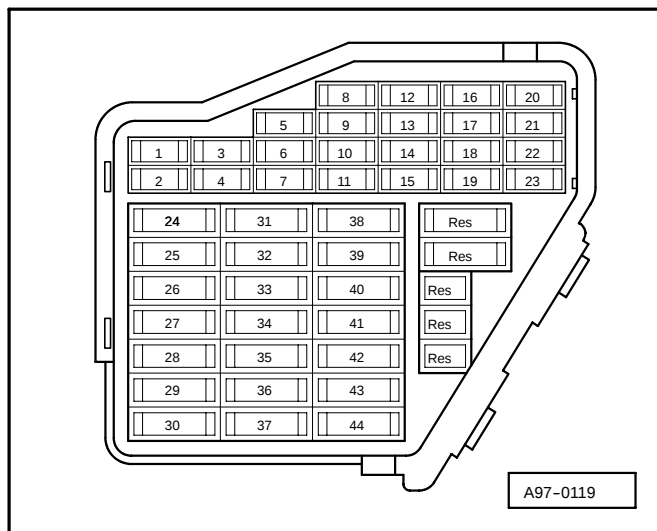


Direct shift gearbox (02E)

From model year 2003



Fuse box

Fuse colours

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - beige

1 A - black

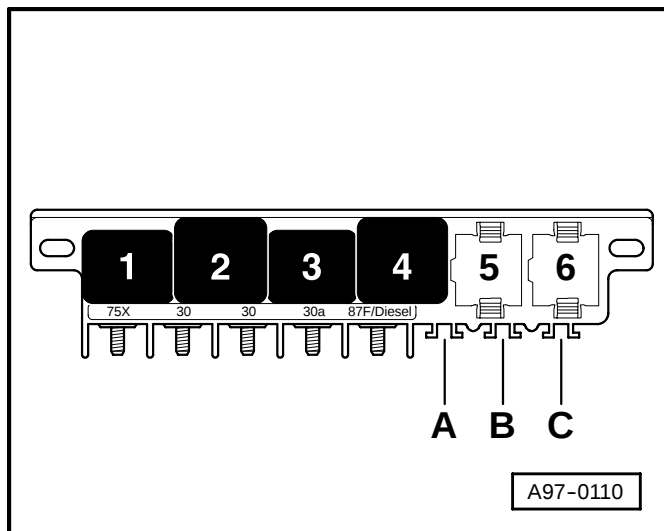
Note:

From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Micro-central electrics

Position of relays

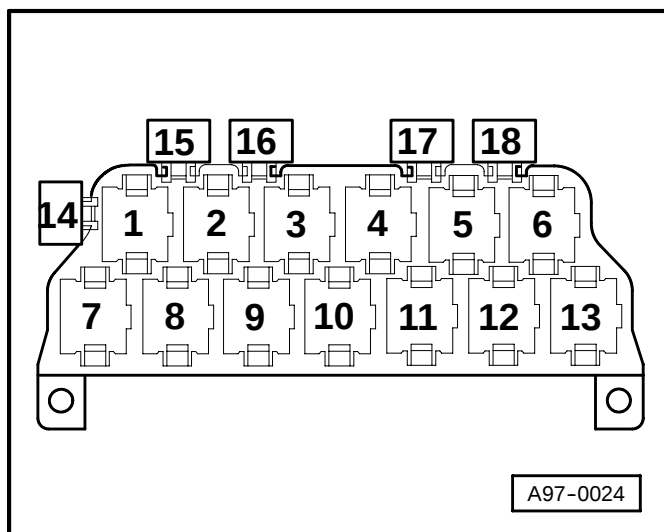
B - Hydraulic pump relay fuse (S279)

**13-point relay carrier**

Position of relays

11 - Starter inhibitor relay (J207)

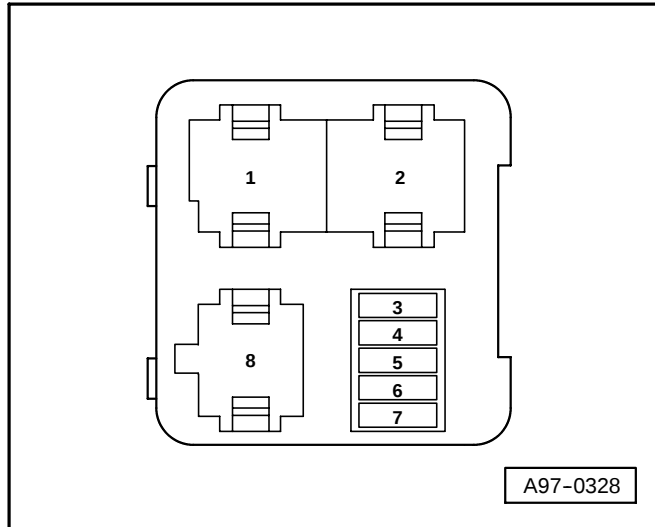
13 - Reversing light relay (J219)

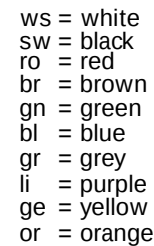


Plenum chamber, in engine compartment

Position of fuses

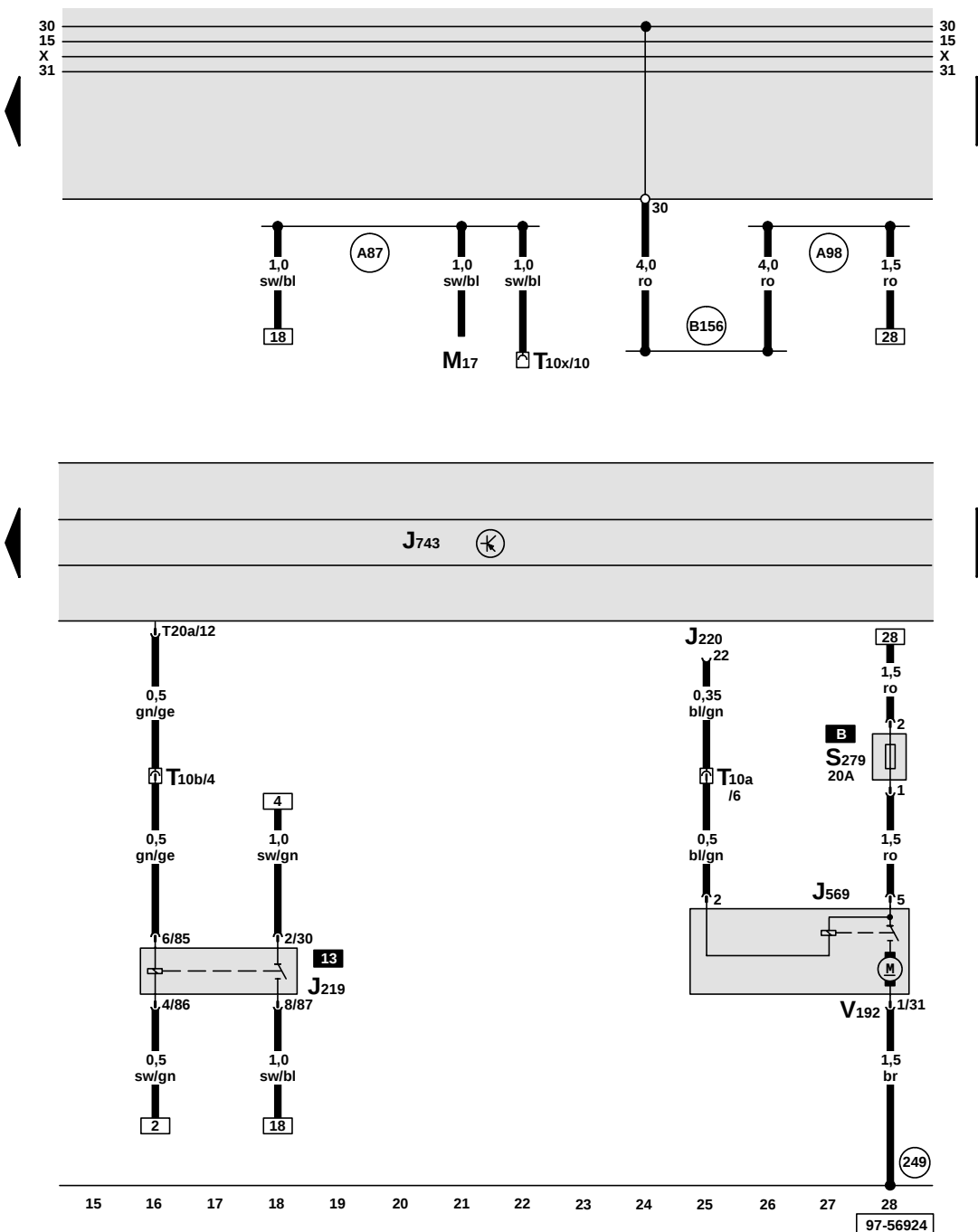
7 - Automatic gearbox control unit fuse (S113)





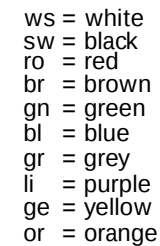
- 132 - Earth connection -3-, in engine compartment wiring harness
- 608 - Earth point, in centre of plenum chamber
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A50 - Positive (+) connection (30a), in dash panel wiring harness
- B149 - Positive (+) connection -2- (15a), in interior wiring harness, near starter inhibitor and reversing light relay
- B157 - Positive (+) connection -3- (15a), in interior wiring harness
- U4 - Connection (30), in automatic gearbox wiring harness

Direct shift gearbox mechatronics, reversing light relay, vacuum pump for brakes, brake servo relay



- J219 - Reversing light relay
- J220 - Motronic control unit
- J569 - Brake servo relay
- J743 - Direct shift gearbox mechatronics
- M17 - Reversing light bulb, right
- S279 - Hydraulic pump relay fuse
- T10a - 10-pin connector, white, in plenum chamber
- T10b - 10-pin connector, grey, in plenum chamber
- T10x - 10-pin connector, orange, in plenum chamber
- T20a - 20-pin connector, on direct shift gearbox mechatronics
- V192 - Vacuum pump for brakes
- (249) - Earth connection -2-, in interior wiring harness
- (A87) - Connection (RF (reversing light)), in dash panel wiring harness
- (A98) - Positive (+) connection -4- (30), in dash panel wiring harness
- (B156) - Positive (+) connection -4- (30), in interior wiring harness

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



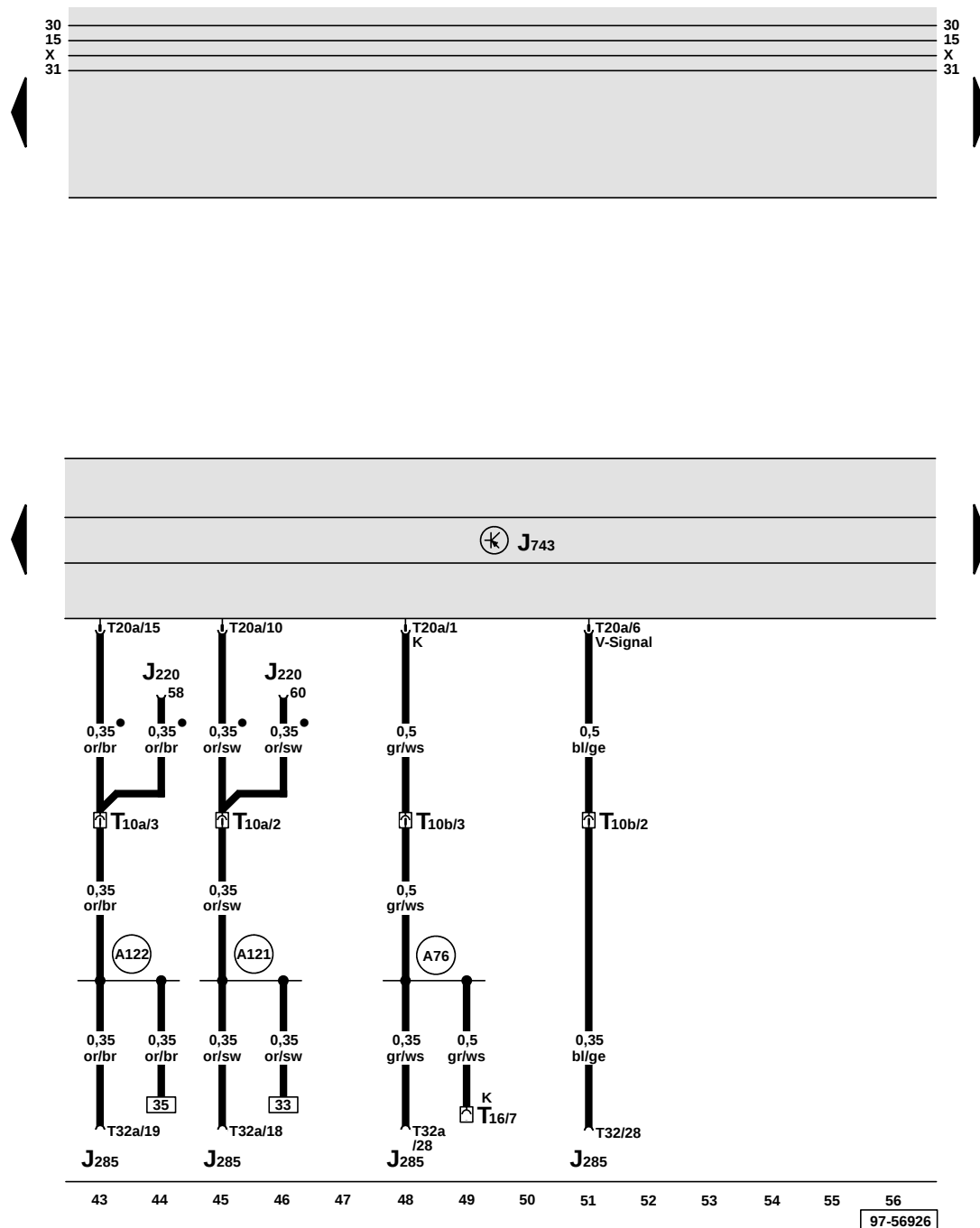
- - CAN bus (data wire)

Direct shift gearbox mechatronics, CAN bus wires

- J220 - Motronic control unit
- J285 - Control unit with display in dash panel insert
- J743 - Direct shift gearbox mechatronics
- T10a - 10-pin connector, white, in plenum chamber
- T10b - 10-pin connector, grey, in plenum chamber
- T16 - 16-pin connector, black, under shelf on driver's side (diagnosis connection)
- T20a - 20-pin connector, on direct shift gearbox mechatronics
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert

- (A76) - Connection (diagnosis wire K), in dash panel wiring harness
- (A121) - Connection (high bus), in dash panel wiring harness
- (A122) - Connection (low bus), in dash panel wiring harness

- - CAN bus (data wire)

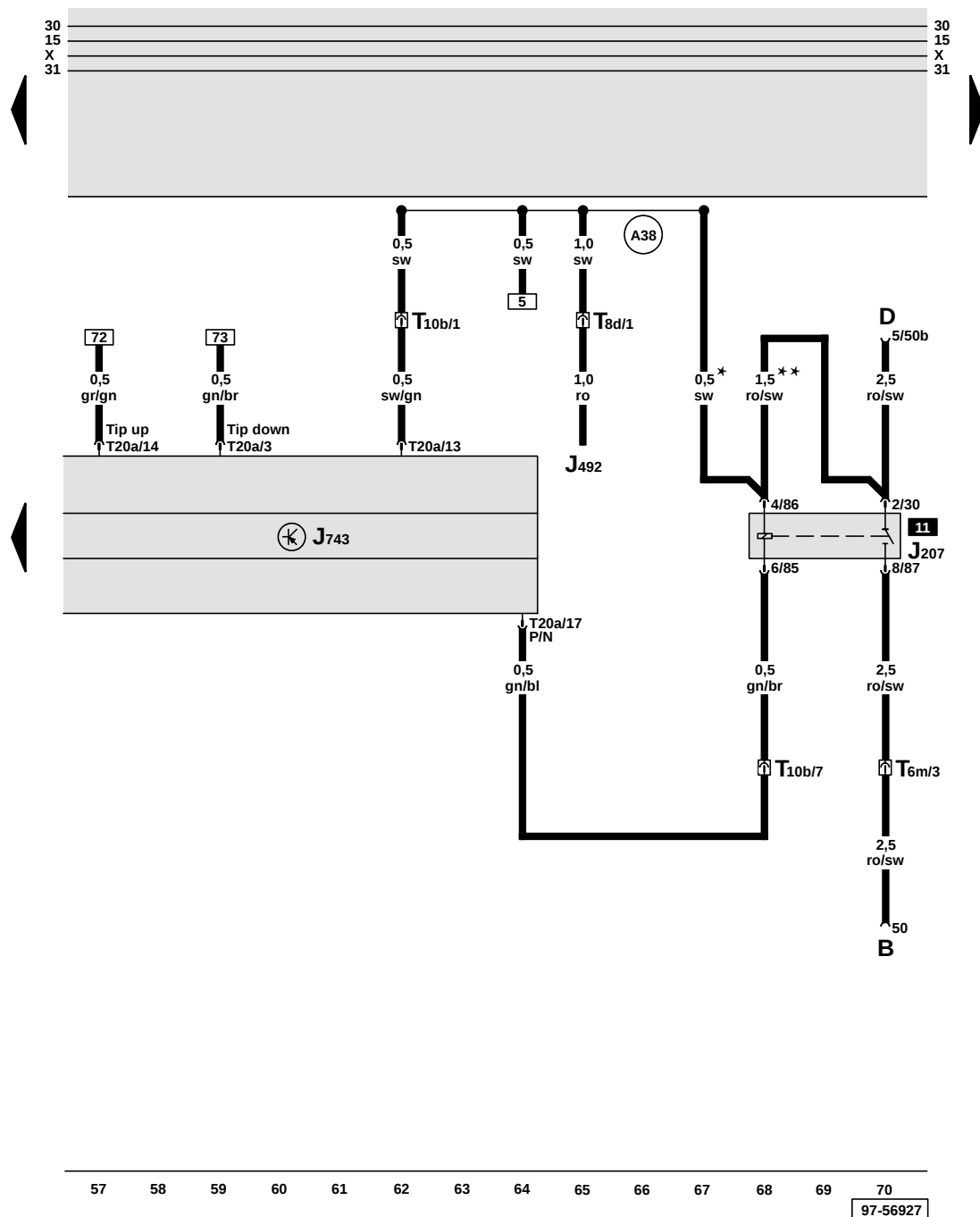


Direct shift gearbox mechatronics, starter inhibitor relay

- B - Starter
 D - Ignition/starter switch
 J207 - Starter inhibitor relay
 J492 - Four-wheel drive control unit
 J743 - Direct shift gearbox mechatronics
 T6m - 6-pin connector, brown, in plenum chamber
 T8d - 8-pin connector, for four-wheel drive control unit
 T10b - 10-pin connector, grey, in plenum chamber
 T20a - 20-pin connector, on direct shift gearbox mechatronics

(A38) - Positive (+) connection -2- (15a), in dash panel wiring harness

- * - Model year 2003
 ** - From model year 2004 onwards

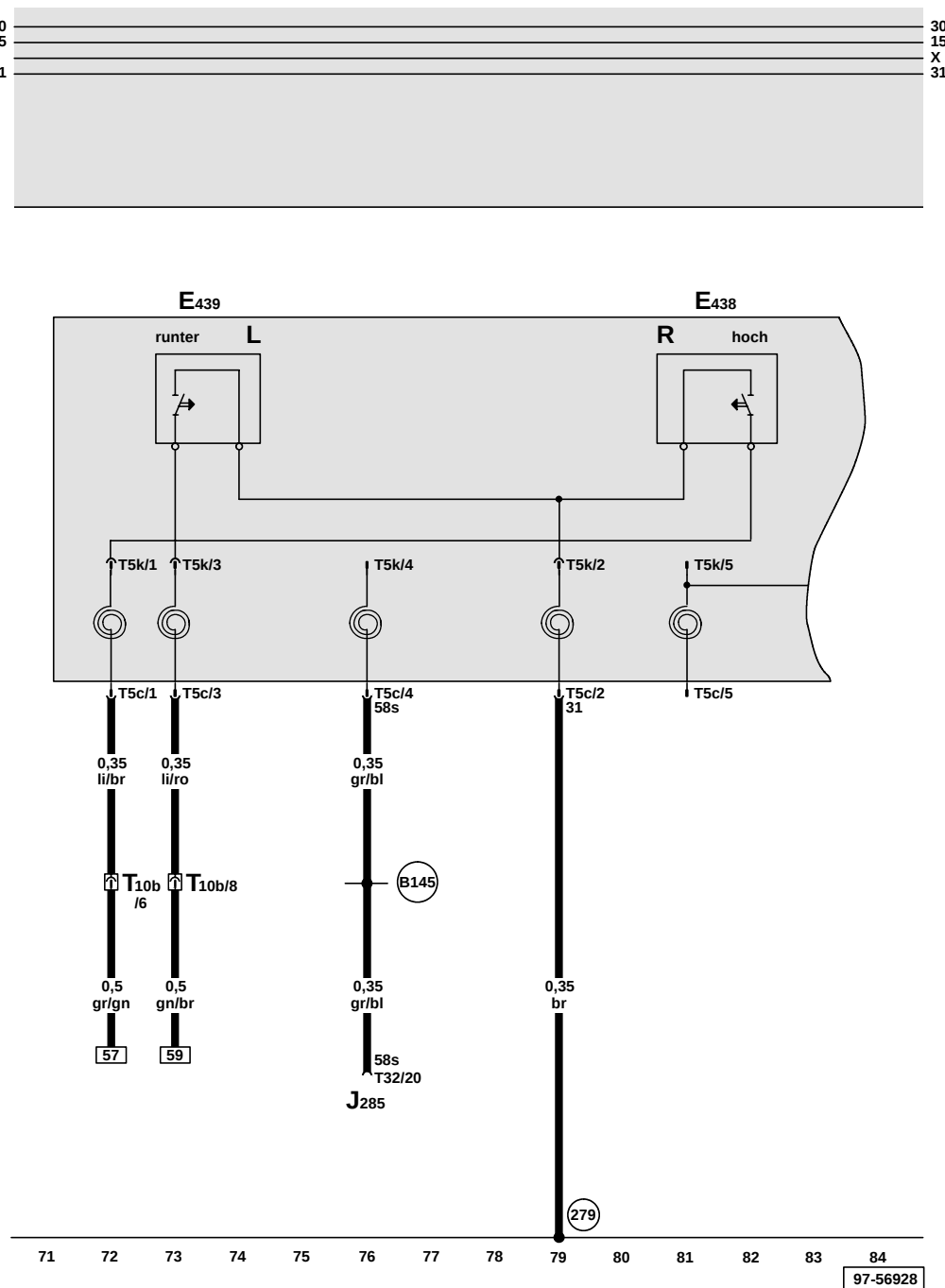


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Tiptronic switch (shift up and shift down) in steering wheel

- E438 - Tiptronic switch (shift up) in steering wheel
- E439 - Tiptronic switch (shift down) in steering wheel
- J285 - Control unit with display in dash panel insert
- T5c - 5-pin connector, yellow, behind steering column switch trim
- T5k - 5-pin connector, yellow, at steering column
- T10b - 10-pin connector, grey, in plenum chamber
- T32 - 32-pin connector, blue, on dash panel insert

- (279) - Earth connection -5-, in interior wiring harness, behind dash panel
- (B145) - Positive (+) connection (58s), in interior wiring harness



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 bl = blue
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 li = purple
 ge = yellow
 or = orange