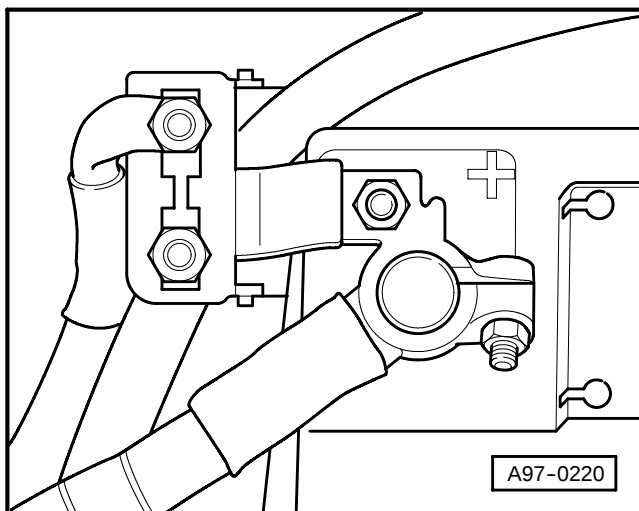


Convenience electrics

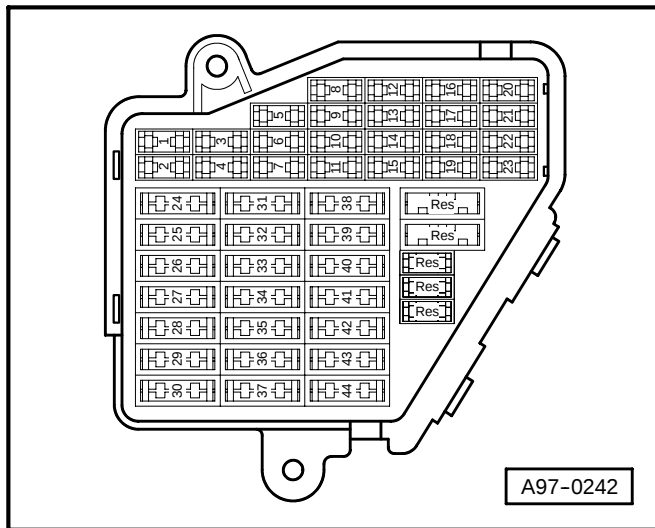
- Electrically adjustable and heated exterior mirrors
- Door handle illumination
- Anti-theft alarm system
- Entry lights
- Electric windows
- Interior lights
- Luggage compartment lights
- Door warning lamps
- Central locking

From model year 2003

**Main fuse**

- ◆ On battery

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Fuse box

- ◆ Dash panel, driver's side

Fuse colours

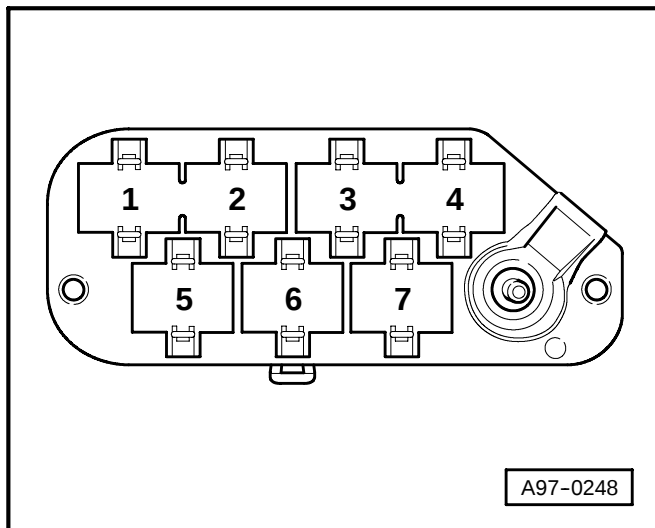
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige

Note:

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

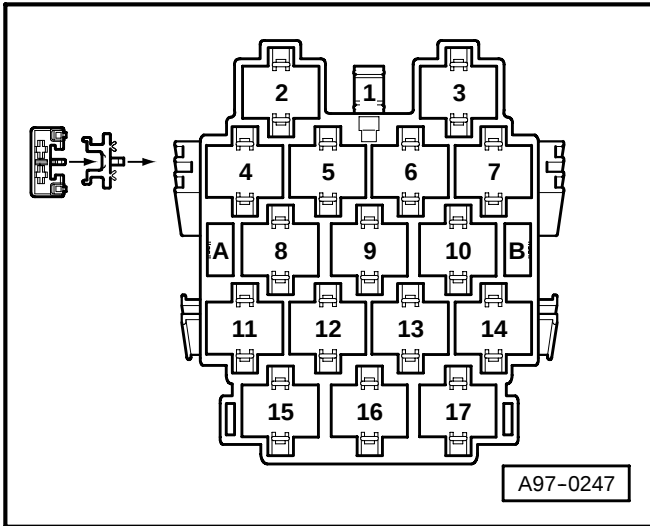
Connector point with screw connection

- ◆ In electronics box, plenum chamber
 - 3 - 17-pin connector, red (T17d)

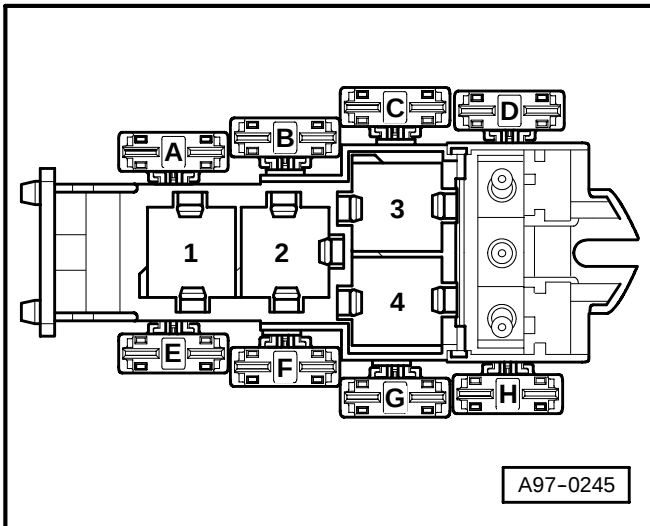


Connector point, A pillar

- ◆ On left-hand side, bottom, behind side trim
 - 9 - 17-pin connector, dark brown (T17g)
 - 10 - 17-pin connector, orange (T17f)
 - 14 - 10-pin connector, grey (T10d)

**4-point relay carrier with screw connection**

- ◆ Dash panel, driver's side

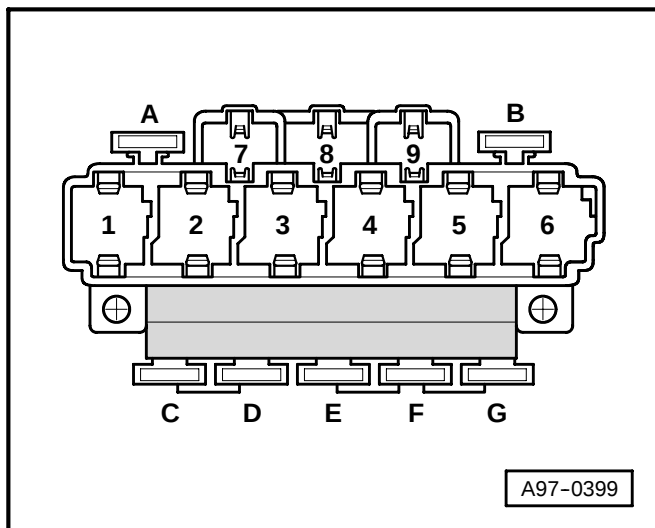


9-point relay carrier with vehicle voltage control unit

- ◆ Dash panel, driver's side, behind 3-point relay carrier

B - Electric window single fuse 2 (S280)

D - Electric window single fuse (S37)

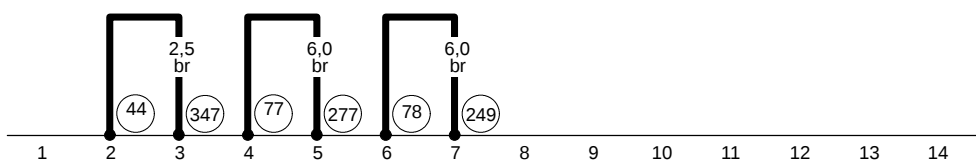
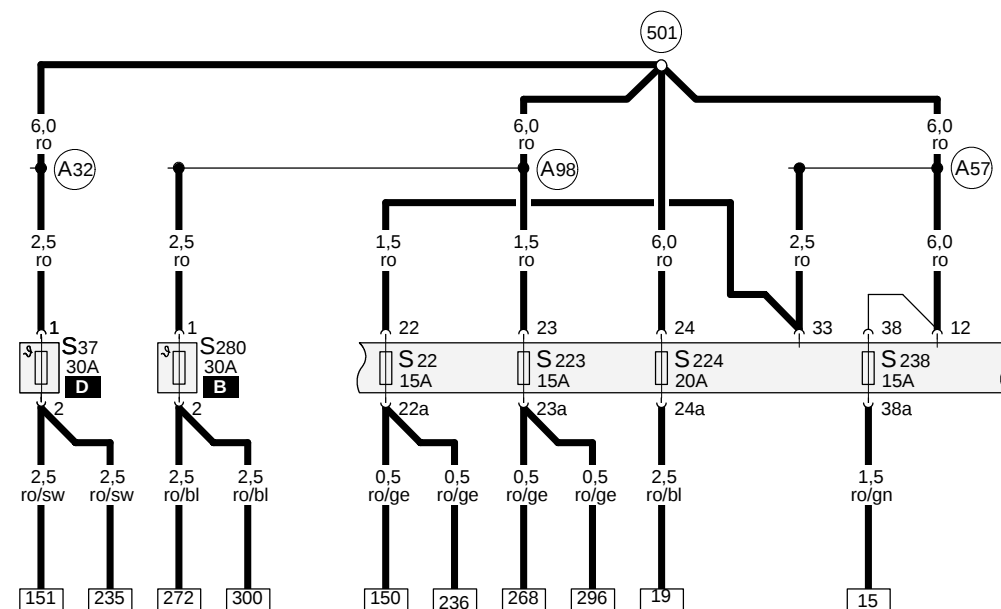


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Fuses

- S22 - Fuse in fuse box/relay plate
- S37 - Electric window single fuse
- S223 - Fuse in fuse box
- S224 - Fuse in fuse box
- S238 - Fuse in fuse box
- S280 - Electric window single fuse 2

- (44) - Earth point, lower part of left A pillar
- (77) - Earth point, lower part of left B pillar
- (78) - Earth point, lower part of right B pillar
- (249) - Earth connection -2-, in interior wiring harness
- (277) - Earth connection -3-, in interior wiring harness
- (347) - Earth connection, in roof wiring harness
- (501) - Screw connection -2- (30), on relay plate
- (A32) - Positive (+) connection (30), in dash panel wiring harness
- (A57) - Positive (+) connection -3- (30), in dash panel wiring harness
- (A98) - Positive (+) connection -4- (30), in dash panel wiring harness



97-55344

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

- F9 - Handbrake warning switch
- F248 - Release button for tailgate/boot lid lock cylinder
- H12 - Alarm horn
- J393 - Convenience system central control unit
- T4l - 4-pin connector, black, in tailgate/boot lid
- T12h - 12-pin connector, black, on convenience system central control unit (used to be connector 1)
- T12i - 12-pin connector, black, on convenience system central control unit (used to be connector 3)
- T16i - 16-pin connector, brown, on convenience system central control unit (used to be connector 5)
- V139 - Tailgate/boot lid release motor

- 86 - Earth connection -1-, in rear wiring harness
- 135 - Earth connection -2-, in dash panel wiring harness
- 249 - Earth connection -2-, in interior wiring harness
- A24 - Connection (brake system monitoring), in dash panel wiring harness
- A66 - Connection (30a, (ZV/DWA/IR (central locking/anti-theft alarm system/infra-red remote control)), in dash panel wiring harness

- * - Only applies to models with anti-theft alarm system
- ** - Avant models - see applicable Current Flow Diagram: Avant models, rear

ws = white
sw = black
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bl = blue
gr = grey
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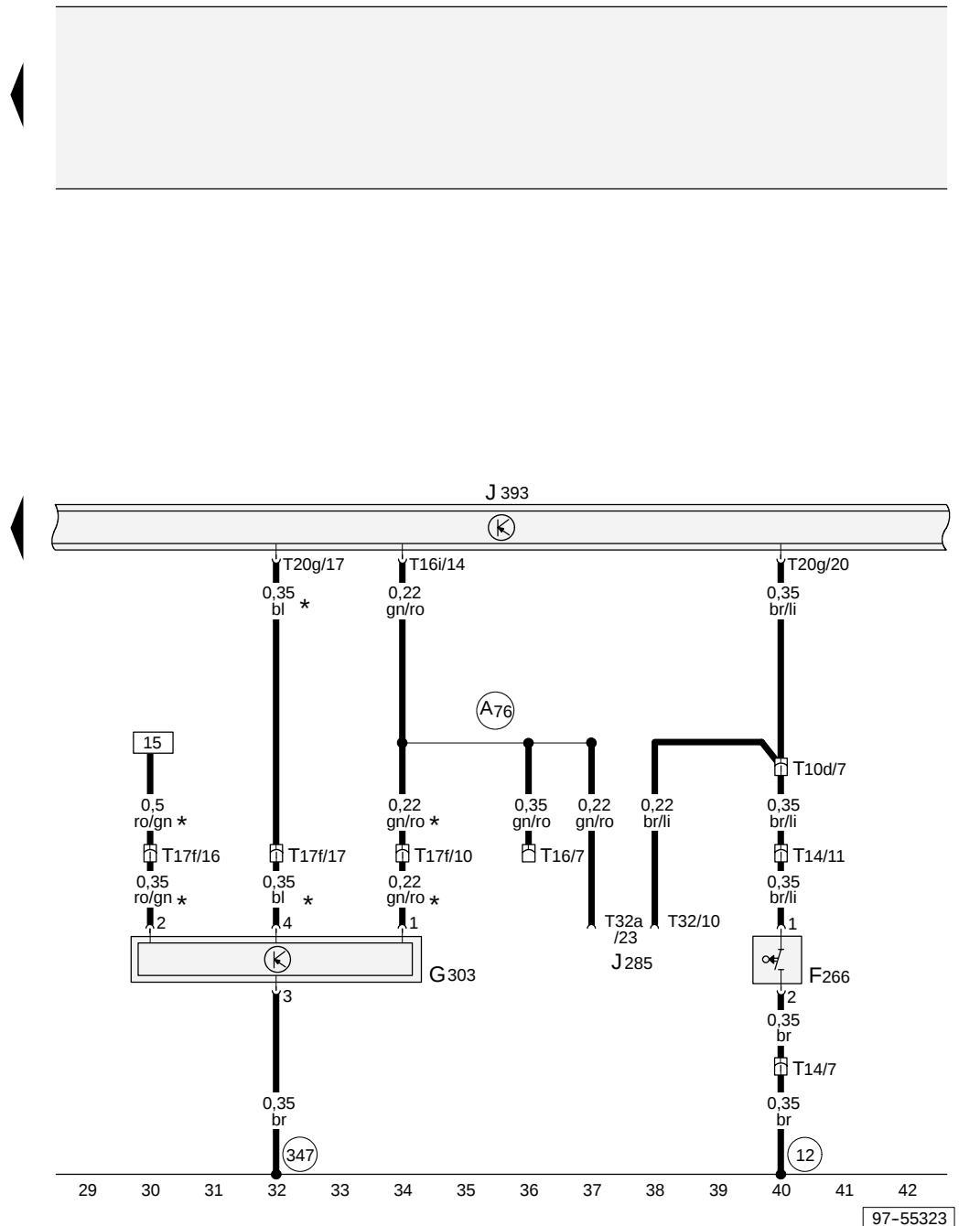
Convenience system central control unit, bonnet contact switch, interior monitor sender/receiver module 1

- F266 - Bonnet contact switch
- G303- Interior monitor sender/receiver module 1
- J285 - Control unit with display in dash panel insert
- J393 - Convenience system central control unit
- T10d - 10-pin connector, grey, connector point, A pillar, left
- T14 - 14-pin connector, black, in engine compartment, left
- T16 - 16-pin connector, black, diagnostic connector
- T16i - 16-pin connector, brown, on convenience system central control unit (used to be connector 5)
- T17f - 17-pin connector, orange, connector point, A pillar, left
- T20g - 20-pin connector, red, on convenience system central control unit (used to be connector 4)
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert

- ⑫ - Earth point, in engine compartment, left
- ③47 - Earth connection, in roof wiring harness
- Ⓐ76 - Connection (diagnosis wire K), in dash panel wiring harness

- * - Only applies to models with anti-theft alarm system

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

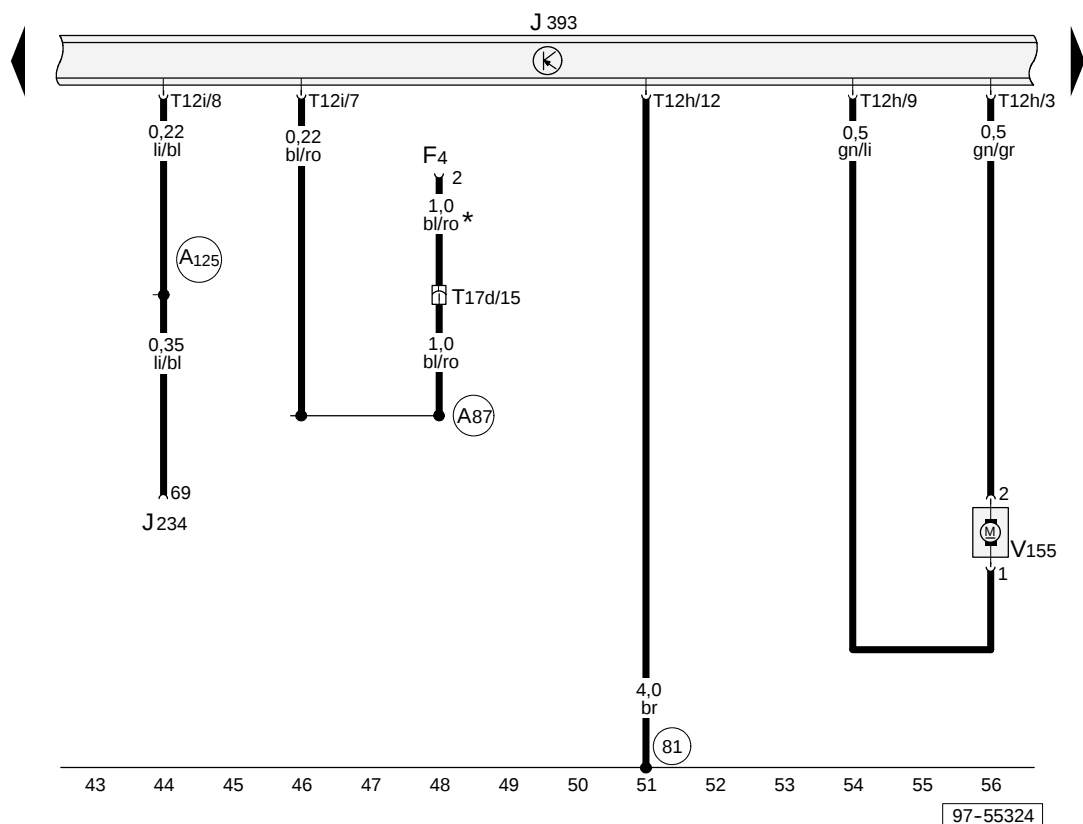


Convenience system central control unit, tank filler flap release motor

- F4 - Reversing light switch
- J234 - Airbag control unit
- J393 - Convenience system central control unit
- T12h - 12-pin connector, black, on convenience system central control unit (used to be connector 1)
- T12i - 12-pin connector, black, on convenience system central control unit (used to be connector 3)
- T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
- V155 - Tank filler flap release motor

- (81) - Earth connection -1-, in dash panel wiring harness
- (A87) - Connection (RF (reversing light)), in dash panel wiring harness
- (A125) - Connection (crash signal), in dash panel wiring harness

* - Only models with manual gearbox



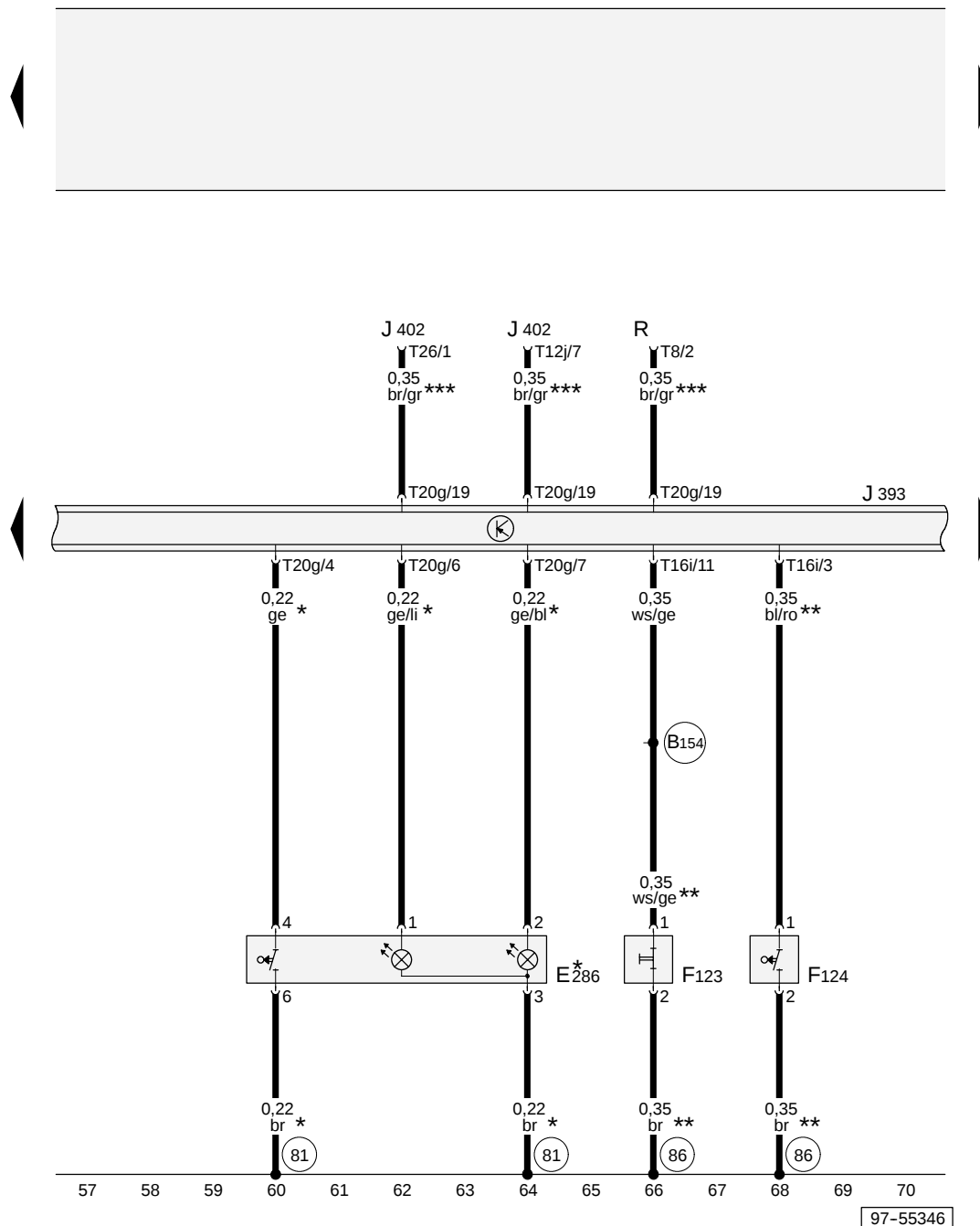
Convenience system central control unit, tailgate/boot lid contact switch for anti-theft alarm, contact switch in lock cylinder for tailgate/boot lid

- E286 - Rear central switch for interior locking
- F123 - Tailgate/boot lid contact switch for anti-theft alarm
- F124 - Contact switch in lock cylinder for tailgate/boot lid
- J393 - Convenience system central control unit
- J402 - Operating electronics control unit, navigation
- R - Radio
- T8 - 8-pin connector, black, radio connector III
- T12j - 12-pin connector, green, on operating electronics control unit, navigation
- T16i - 16-pin connector, brown, on convenience system central control unit (used to be connector 5)
- T20g - 20-pin connector, red, on convenience system central control unit (used to be connector 4)
- T26 - 26-pin connector, black, on operating electronics control unit, navigation

- (81) - Earth connection -1-, in dash panel wiring harness
- (86) - Earth connection -1-, in rear wiring harness
- (B154) - Connection -1- (TK (door contact)), in interior wiring harness

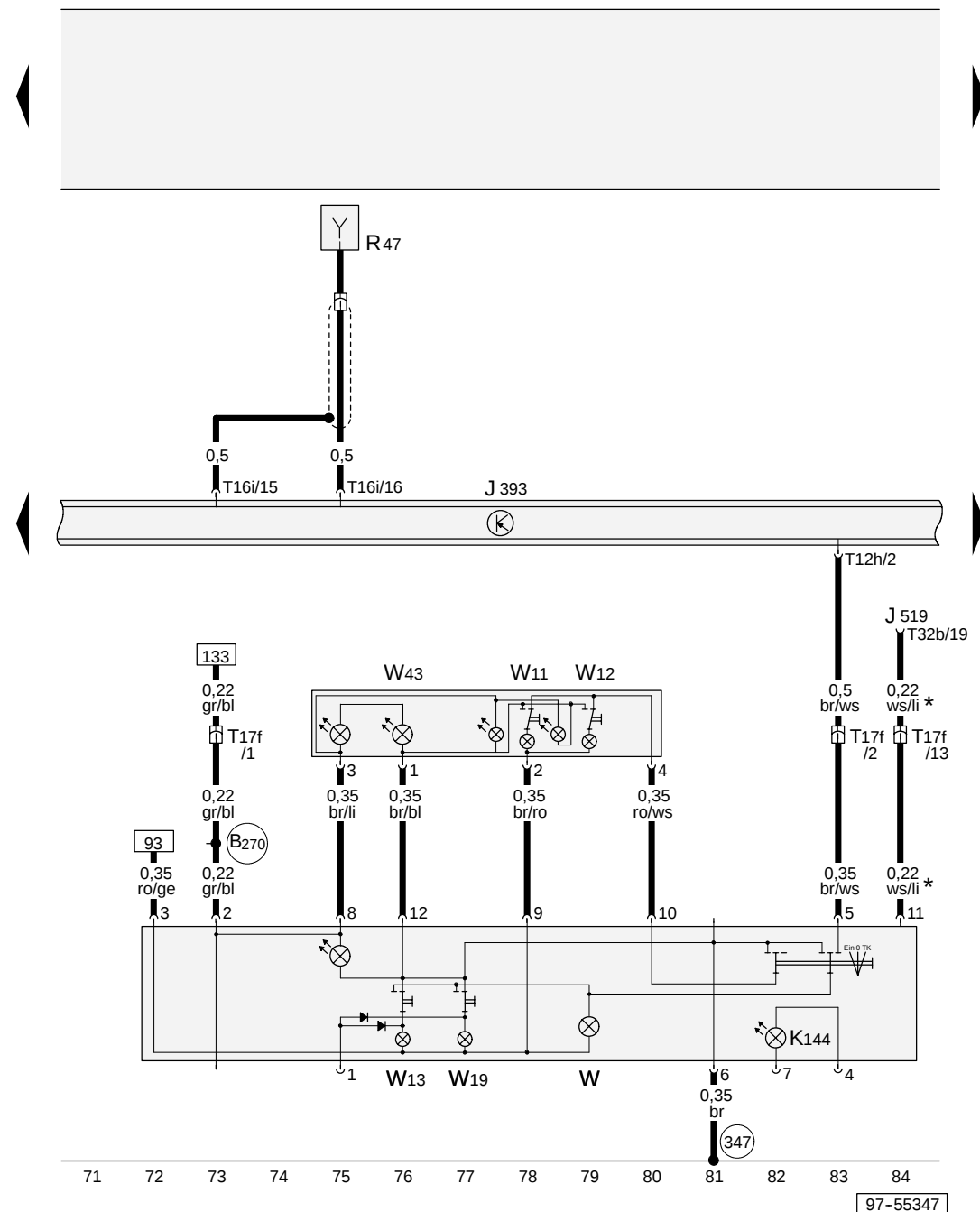
- * - Depending on vehicle equipment
- ** - Avant models - see applicable Current Flow Diagram: Avant models, rear
- *** - Depending on vehicle equipment (applies to anti-theft alarm system only)

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



97-55346

Convenience system central control unit, interior lights, reading lamps, central locking and anti-theft alarm system aerial



- J393 - Convenience system central control unit
 J519 - Vehicle voltage control unit
 K144 - Airbag disabled warning lamp, driver's side
 R47 - Central locking and anti-theft alarm system aerial
 T12h - 12-pin connector, black, on convenience system central control unit (used to be connector 1)
 T16i - 16-pin connector, brown, on convenience system central control unit (used to be connector 5)
 T17f - 17-pin connector, orange, connector point, A pillar, left
 T32b - 32-pin connector, grey, on vehicle voltage control unit
 W - Interior light, front
 W11 - Reading lamp, rear left
 W12 - Reading lamp, rear right
 W13 - Front passenger reading lamp
 W19 - Reading lamp, driver's side
 W43 - Rear interior light
 (347) - Earth connection, in roof wiring harness
 (B270) - Connection (58s), in roof wiring harness
 * - Only applies to models with automatic headlight switching with coming home function

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

Convenience system central control unit, luggage compartment lights, glove box light, illuminated vanity mirrors

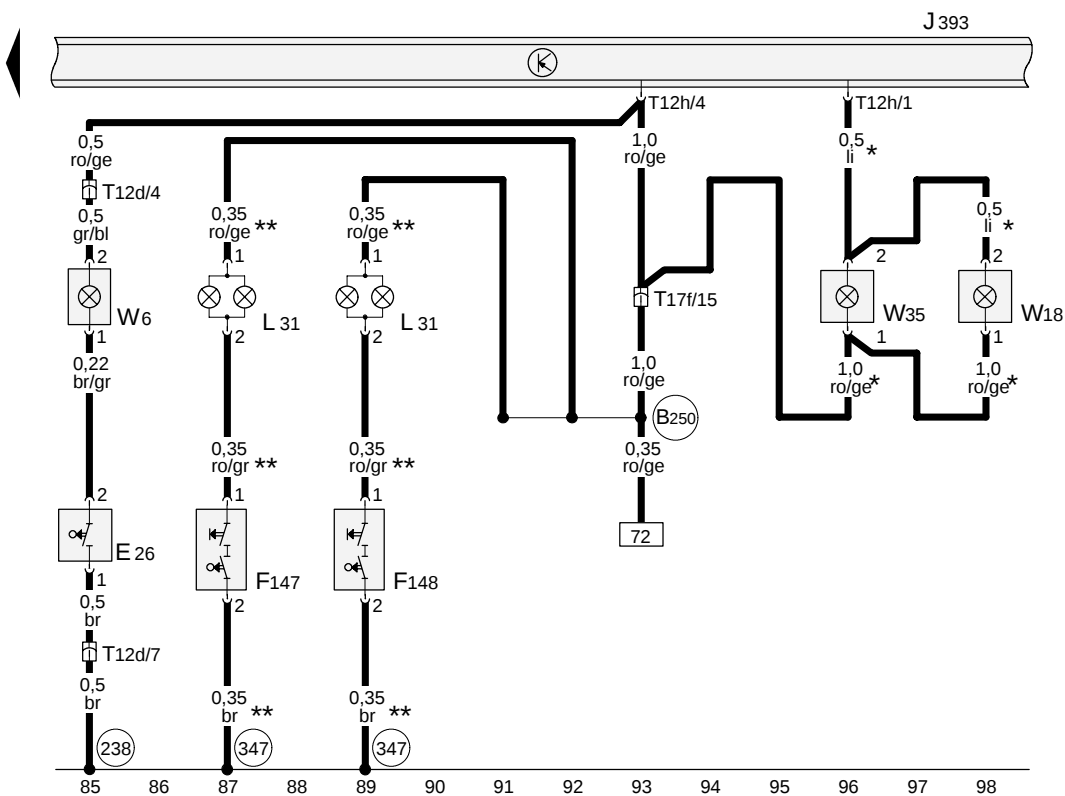
- E26 - Glove box light switch
- F147 - Vanity mirror contact switch, driver's side
- F148 - Vanity mirror contact switch, front passenger's side
- J393 - Convenience system central control unit
- L31 - Vanity mirror light bulb
- T12d - 12-pin connector, brown, near glove box
- T12h - 12-pin connector, black, on convenience system central control unit (used to be connector 1)
- T17f - 17-pin connector, orange, connector point, A pillar, left
- W6 - Glove box light
- W18 - Luggage compartment light, left
- W35 - Luggage compartment light, right

- (238) - Earth connection -1-, in interior wiring harness
- (347) - Earth connection, in roof wiring harness
- (B250) - Positive (+) connection, in roof wiring harness

- * - Avant models - see applicable Current Flow Diagram: Avant models, rear
- ** - Depending on vehicle equipment

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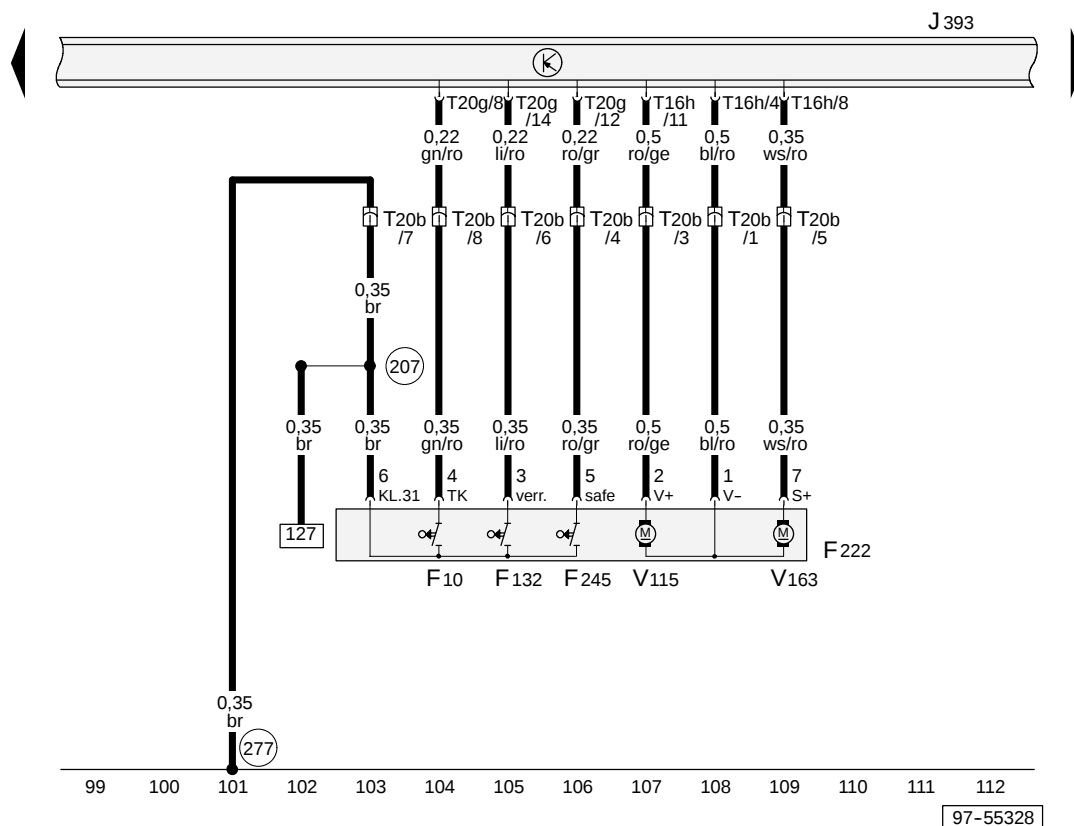


97-55327

Convenience system central control unit, rear left central locking lock unit (without rear electric windows)

- F10 - Rear left door contact switch
- F132 - Central locking actuator, rear left
- F222 - Central locking lock unit, rear left
- F245 - Central locking actuator (Safe), rear left door
- J393 - Convenience system central control unit
- T16h - 16-pin connector, black, on convenience system central control unit (used to be connector 1)
- T20b - 20-pin connector, black, door, B pillar, left
- T20g - 20-pin connector, red, on convenience system central control unit (used to be connector 4)
- V115 - Central locking motor, rear left door
- V163 - Central locking motor (Safe), rear left door

- (207) - Earth connection, in rear left door wiring harness
- (277) - Earth connection -3-, in interior wiring harness

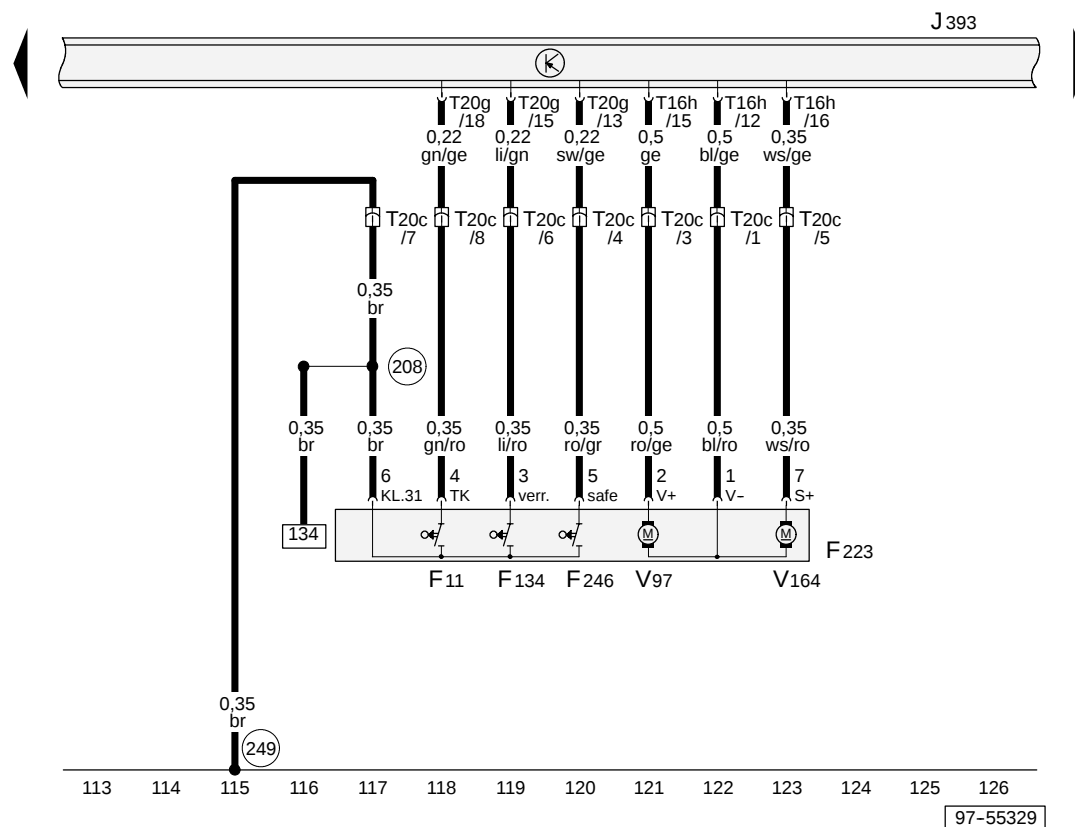


ws = white
 sw = black
 ro = red
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 gr = grey
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Convenience system central control unit, rear right central locking lock unit (without rear electric windows)

- F11 - Rear right door contact switch
- F134 - Central locking actuator, rear right
- F223 - Central locking lock unit, rear right
- F246 - Central locking actuator (Safe), rear right door
- J393 - Convenience system central control unit
- T16h - 16-pin connector, black, on convenience system central control unit (used to be connector 1)
- T20c - 20-pin connector, black, door, B pillar, right
- T20g - 20-pin connector, red, on convenience system central control unit (used to be connector 4)
- V97 - Central locking motor, rear right door
- V164 - Central locking motor (Safe), rear right door

- (208) - Earth connection, in rear right door wiring harness
- (249) - Earth connection -2-, in interior wiring harness



Convenience system central control unit, door illumination (without rear electric windows)

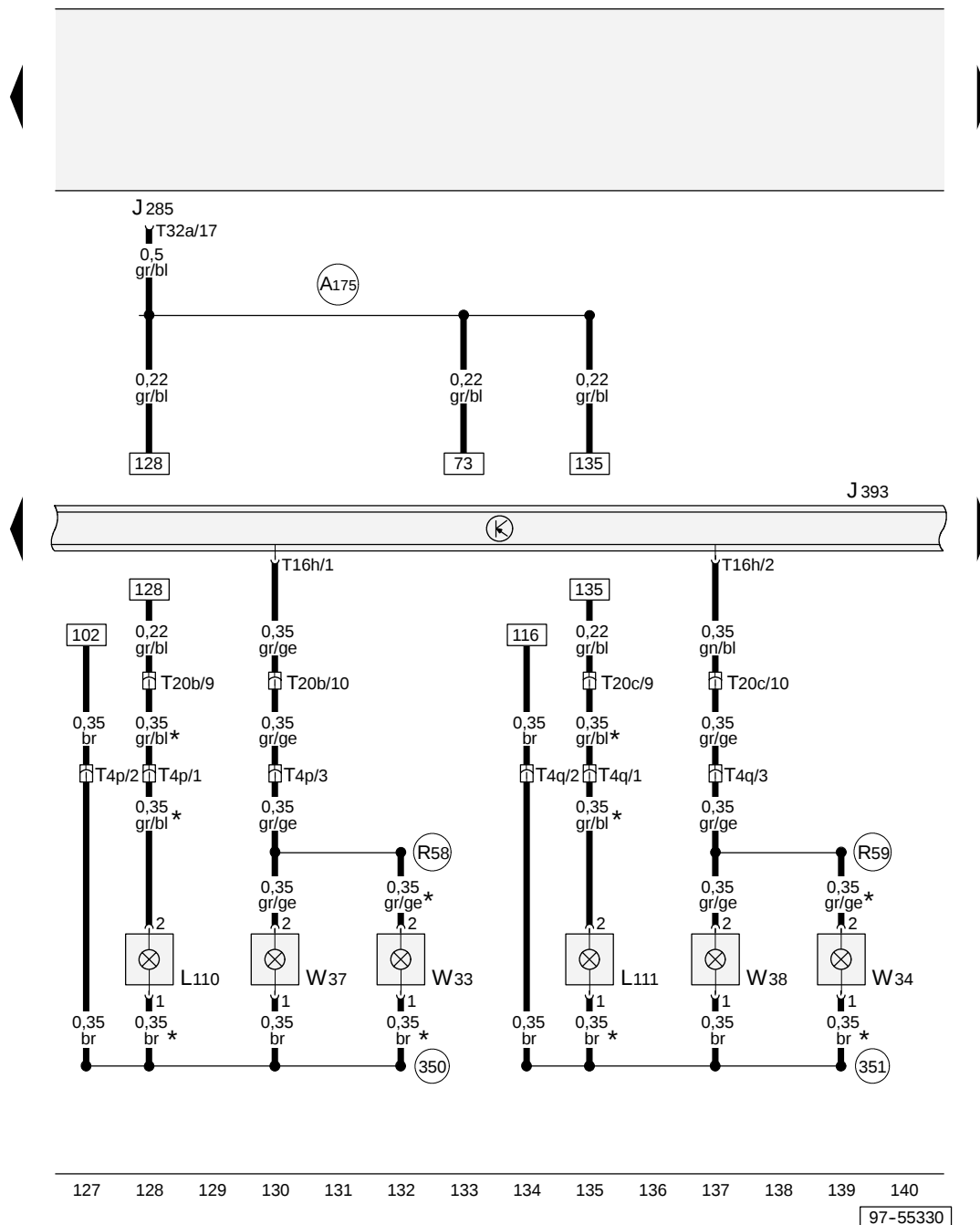
- J285 - Control unit with display in dash panel insert
 J393 - Convenience system central control unit
 L110 - Door opening illumination, rear left
 L111 - Door opening illumination, rear right
 T4p - 4-pin connector, black, in rear left door
 T4q - 4-pin connector, black, in rear right door
 T16h - 16-pin connector, black, on convenience system central control unit (used to be connector 1)
 T20b - 20-pin connector, black, door, B pillar, left
 T20c - 20-pin connector, black, door, B pillar, right
 T32a - 32-pin connector, green, on dash panel insert
 W33 - Rear left entry light
 W34 - Rear right entry light
 W37 - Door warning lamp, rear left
 W38 - Door warning lamp, rear right

- (350) - Earth connection -2-, in rear left door wiring harness
 (351) - Earth connection -2-, in rear right door wiring harness
 (A175) - Connection (58s), in dash panel wiring harness
 (R58) - Connection (entry light), in rear left door wiring harness
 (R59) - Connection (entry light), in rear right door wiring harness

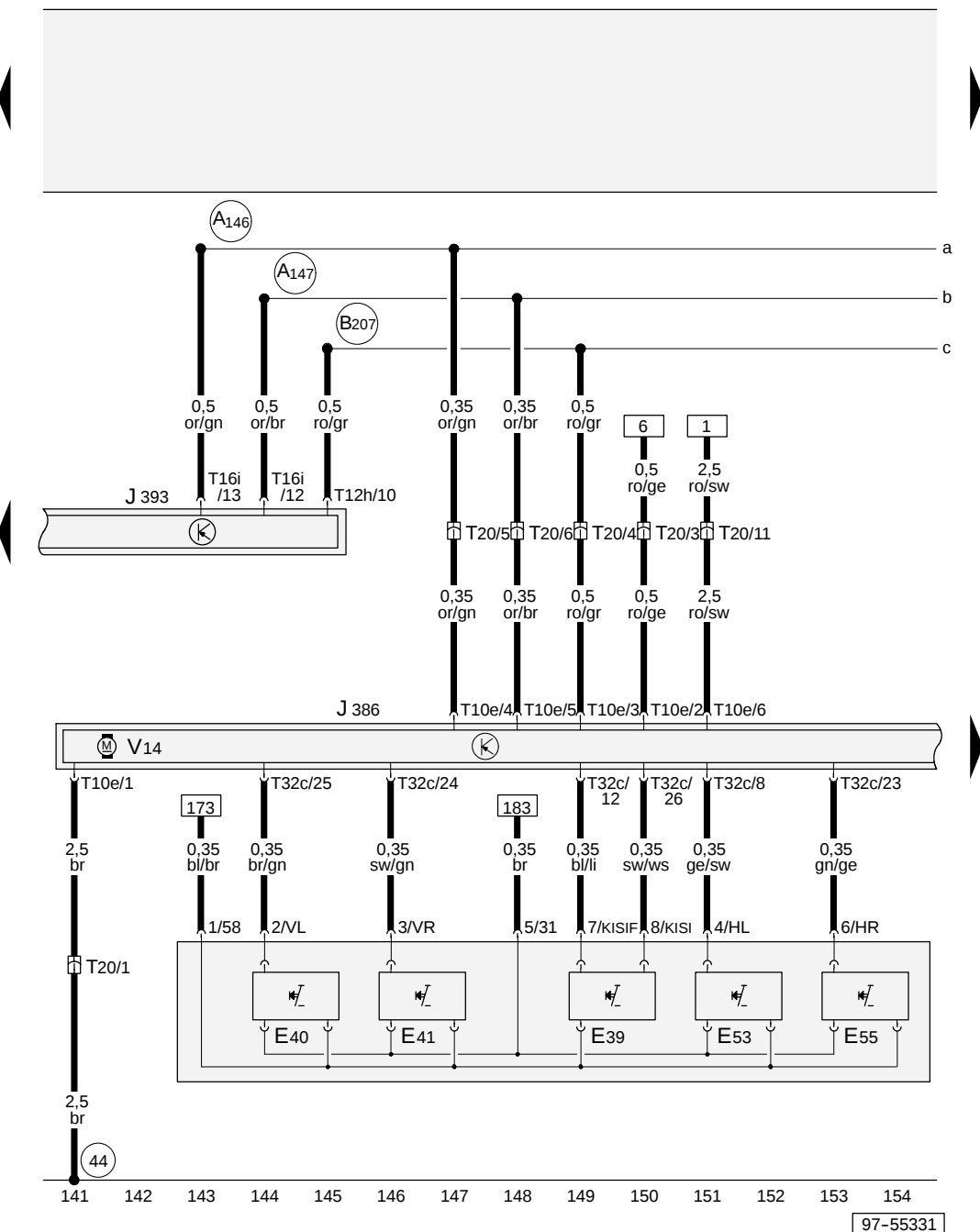
* - Depending on vehicle equipment

ws = white
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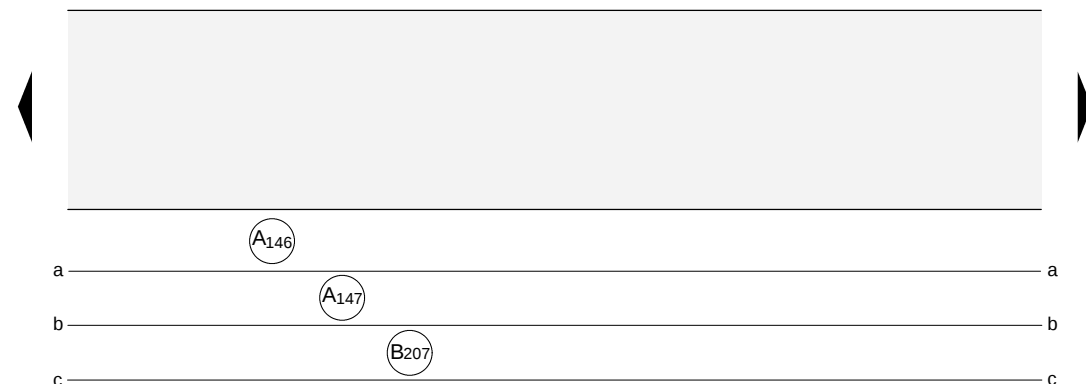
Convenience system central control unit, door control unit on driver's side with electric windows, electric window switch



- E39 - Rear electric window isolation switch
- E40 - Front left electric window switch
- E41 - Front right electric window switch
- E53 - Rear left electric window switch, driver's side
- E55 - Rear right electric window switch, driver's side
- J386 - Door control unit, driver's side
- J393 - Convenience system central control unit
- T10e - 10-pin connector, black, on door control unit, driver's door
- T12h - 12-pin connector, black, on convenience system central control unit (used to be connector 1)
- T16i - 16-pin connector, brown, on convenience system central control unit (used to be connector 5)
- T20 - 20-pin connector, black, door, A pillar, left
- T32c - 32-pin connector, grey, door control unit, driver's door
- V14 - Electric window motor, left
- 44 - Earth point, lower part of left A pillar
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness

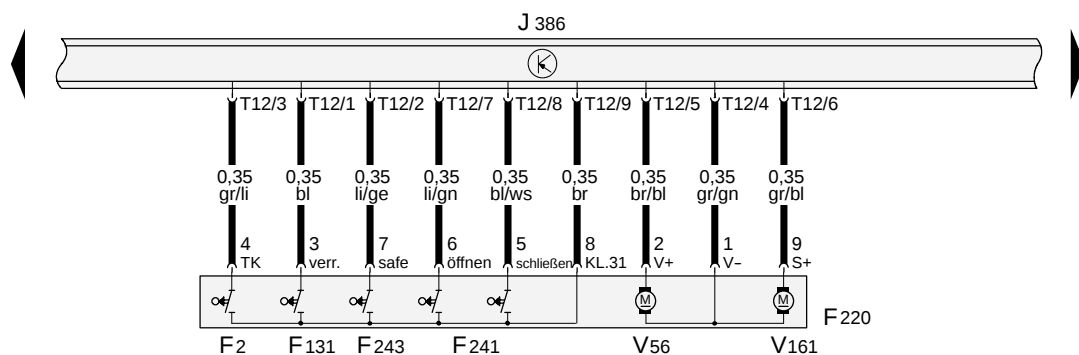
ws = white
 sw = black
 ro = red
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 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange

Door control unit on driver's side with electric windows, central locking lock unit on driver's side



- F2 - Door contact switch, driver's side
- F131 - Central locking actuator, front left
- F220 - Central locking lock unit, driver's side
- F241 - Contact switch in lock cylinder, driver's side
- F243 - Central locking actuator (Safe), driver's door
- J386 - Door control unit, driver's side
- T12 - 12-pin connector, black, on door control unit, driver's door
- V56 - Central locking motor, driver's door
- V161 - Central locking motor (Safe), driver's door

- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness



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

155 156 157 158 159 160 161 162 163 164 165 166 167 168

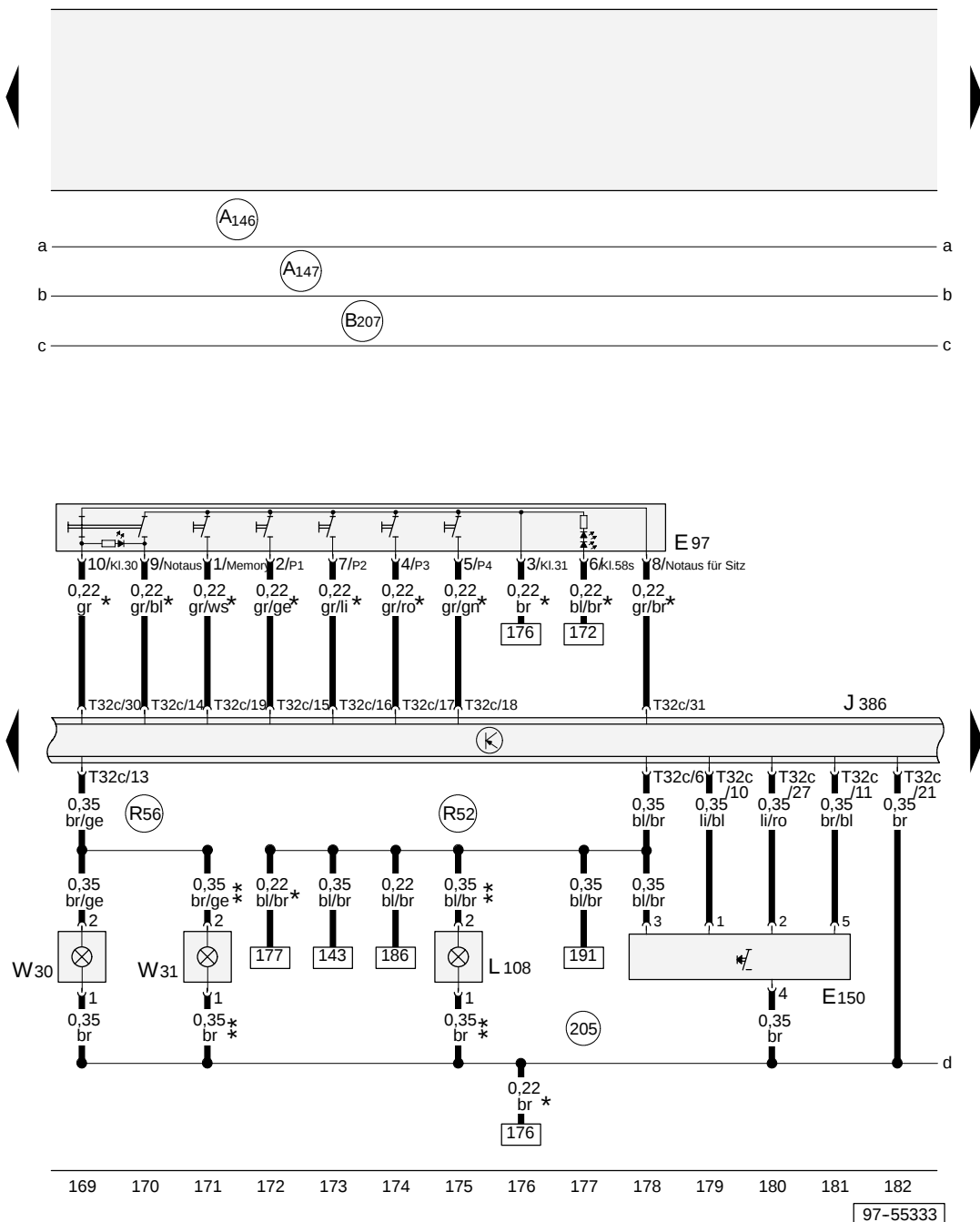
97-55332

Door control unit on driver's side with electric windows, door illumination, interior locking switch, memory operating unit - driver's seat

- E97 - Memory operating unit, driver's seat
 E150 - Interior locking switch, driver's side
 J386 - Door control unit, driver's side
 L108 - Door opening illumination, driver's side
 T32c - 32-pin connector, grey, door control unit, driver's door
 W30 - Door warning lamp, driver's side
 W31 - Front left entry light

- (A146) - Connection (convenience CAN bus, high), in dash panel wiring harness
 (A147) - Connection (convenience CAN bus, low), in dash panel wiring harness
 (B207) - Connection (convenience), in interior wiring harness
 (R52) - Connection (58s), in door wiring harness - driver's side
 (R56) - Connection (entry light), in door wiring harness - driver's side

- * - Only applies to models with seat adjustment and memory function
 ** - Depending on vehicle equipment



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

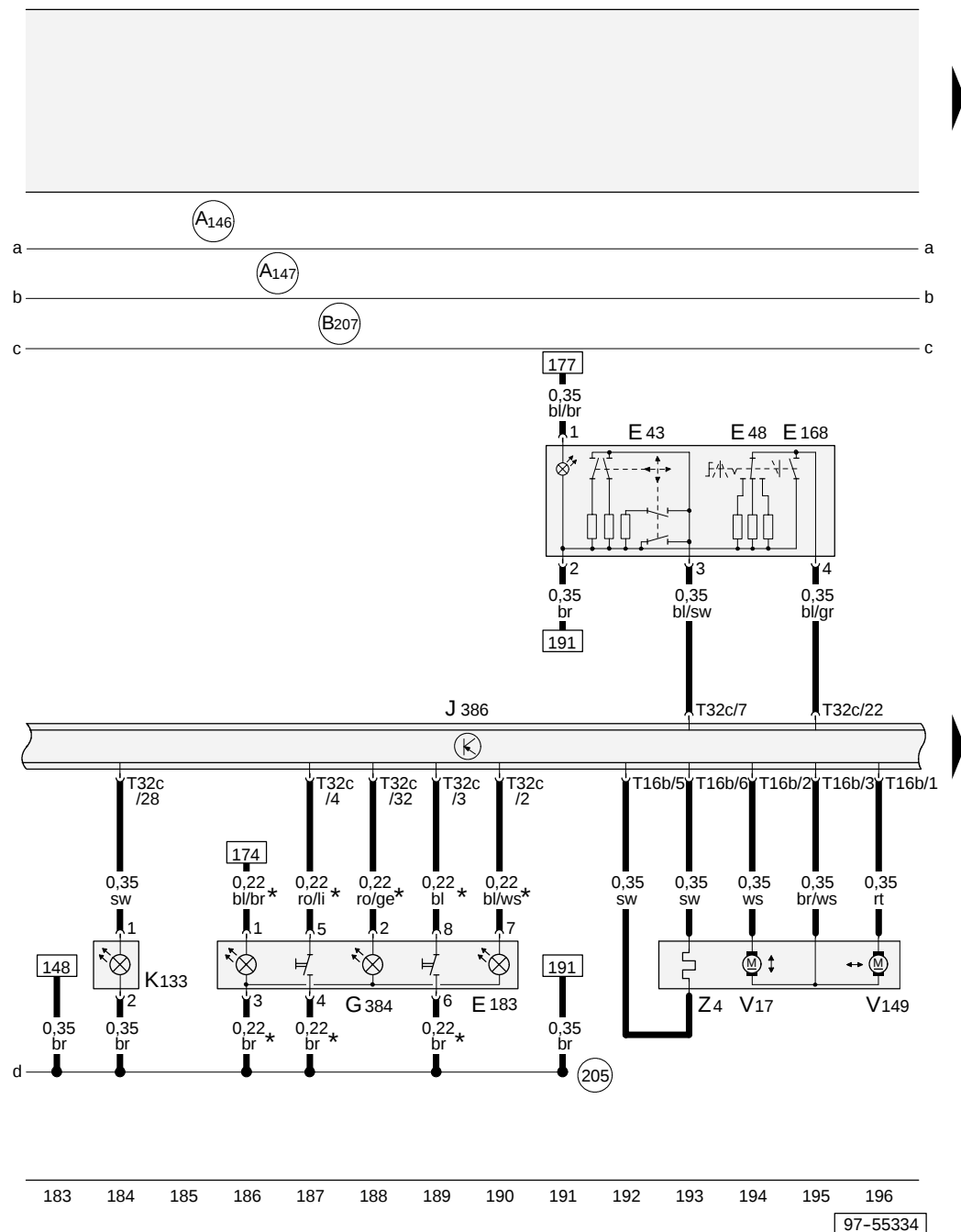
Door control unit on driver's side with electric windows, electric exterior mirror, vehicle inclination sender, interior monitor switch, mirror adjustment switch

- E43 - Mirror adjustment switch
- E48 - Mirror adjustment change-over switch
- E168 - Mirror with folding function, adjustment switch
- E183 - Interior monitor switch
- G384 - Vehicle inclination sender
- J386 - Door control unit, driver's side
- K133 - Central locking warning lamp -SAFE-
- T16b - 16-pin connector, door control unit, driver's door
- T32c - 32-pin connector, grey, door control unit, driver's door
- V17 - Mirror adjustment motor, driver's side
- V149 - Mirror adjustment motor, driver's side
- Z4 - Heated exterior mirror, driver's side

- (205) - Earth connection, in door wiring harness - driver's side
- (A146) - Connection (convenience CAN bus, high), in dash panel wiring harness
- (A147) - Connection (convenience CAN bus, low), in dash panel wiring harness
- (B207) - Connection (convenience), in interior wiring harness

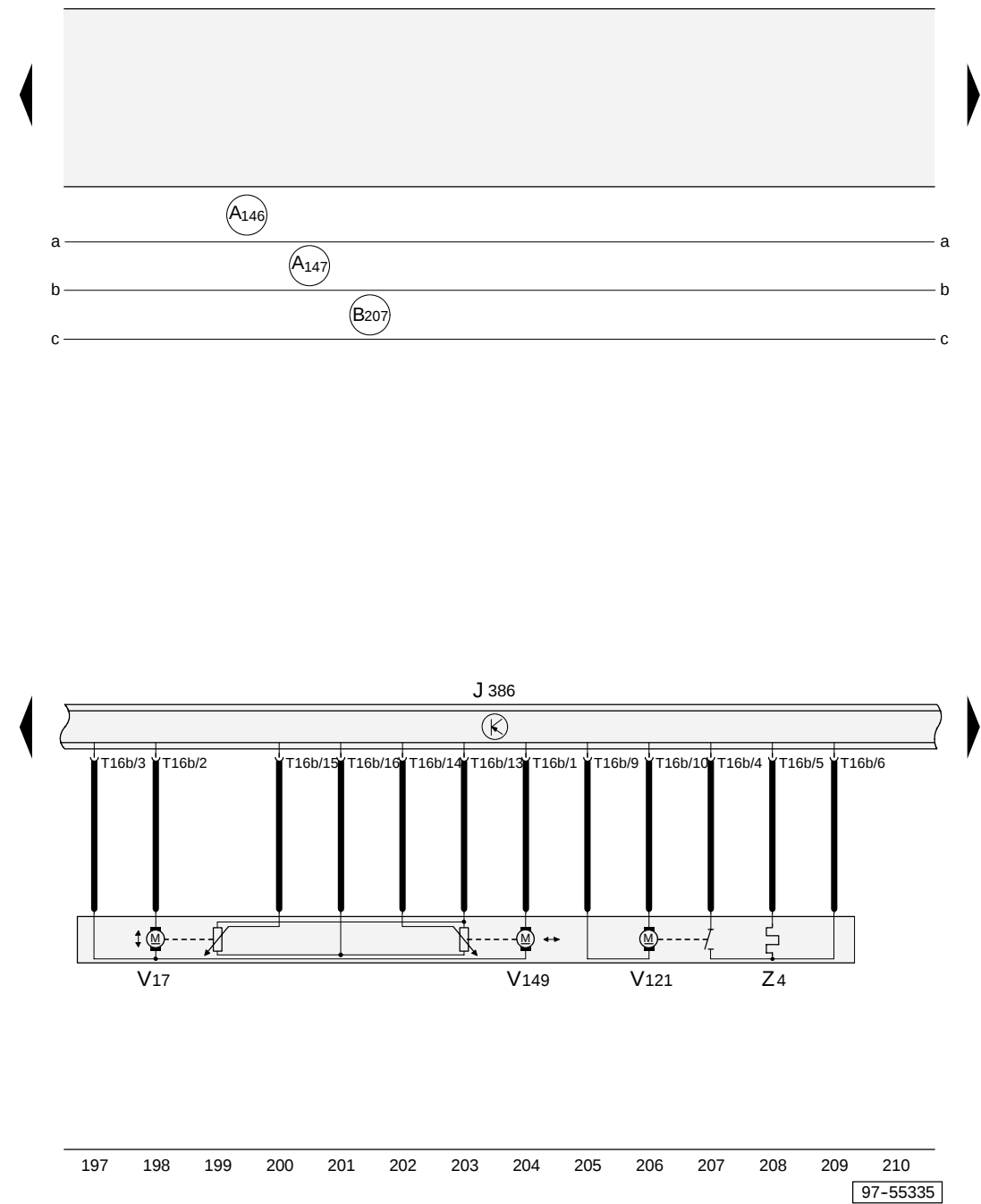
- * - Only applies to models with anti-theft alarm system

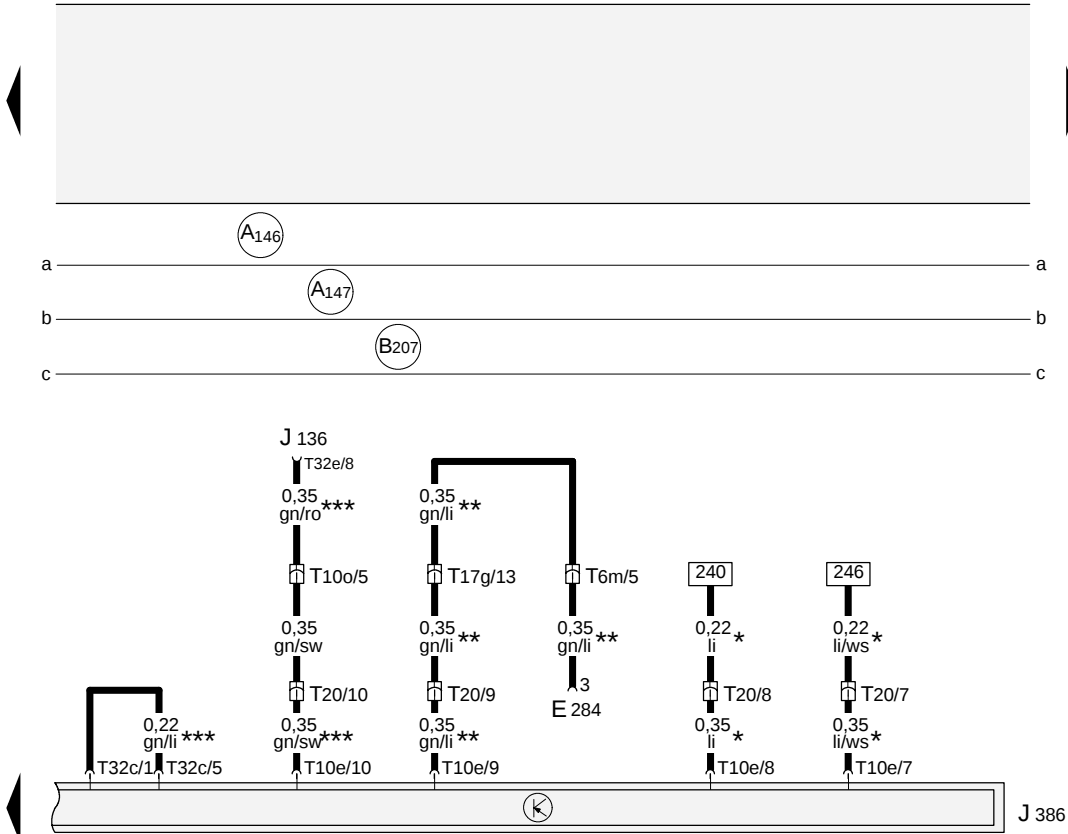
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange



Door control unit on driver's side, mirror adjustment with retraction function

- J386 - Door control unit, driver's side
- T16b - 16-pin connector, door control unit, driver's door
- V17 - Mirror adjustment motor, driver's side
- V121 - Folding mirror motor, driver's side
- V149 - Mirror adjustment motor, driver's side
- Z4 - Heated exterior mirror, driver's side
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness





Door control unit on driver's side, garage door operating unit, seat adjustment (with memory) control unit

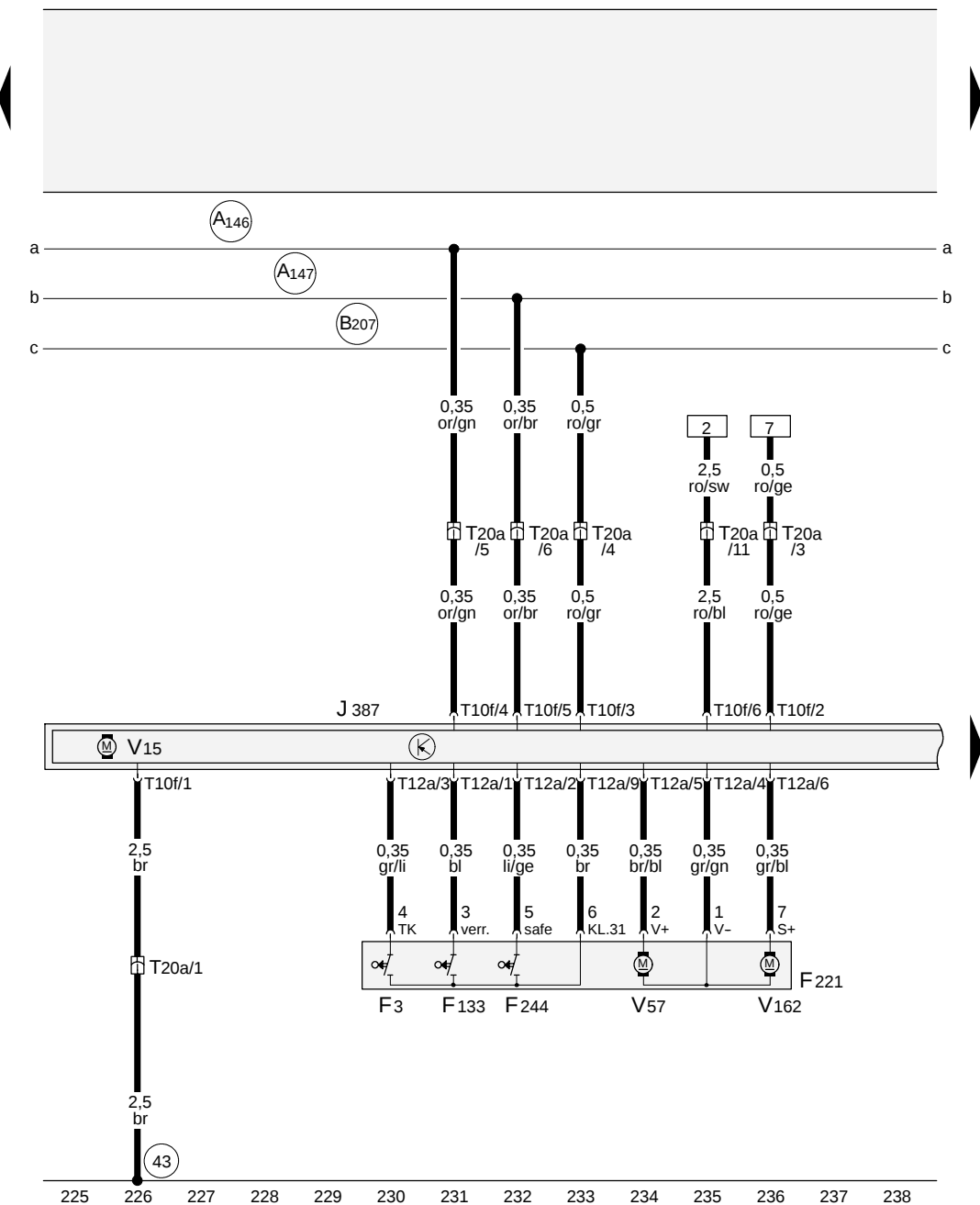
- E284 - Garage door operating unit
- J136 - Seat adjustment (with memory) control unit
- J386 - Door control unit, driver's side
- T6m - 6-pin connector, on garage door operating unit
- T10e - 10-pin connector, black, on door control unit, driver's door
- T10o - 10-pin connector, red, connector point, seat wiring, driver's seat
- T17g - 17-pin connector, dark brown, connector point, A pillar, left
- T20 - 20-pin connector, black, door, A pillar, left
- T32c - 32-pin connector, grey, door control unit, driver's door
- T32e - 32-pin connector, on seat adjustment (with memory) control unit

- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness

- * - Only applies to models with automatic anti-dazzle interior mirror
- ** - Only applies to models with garage door operation
- *** - Only applies to models with seat adjustment and memory function

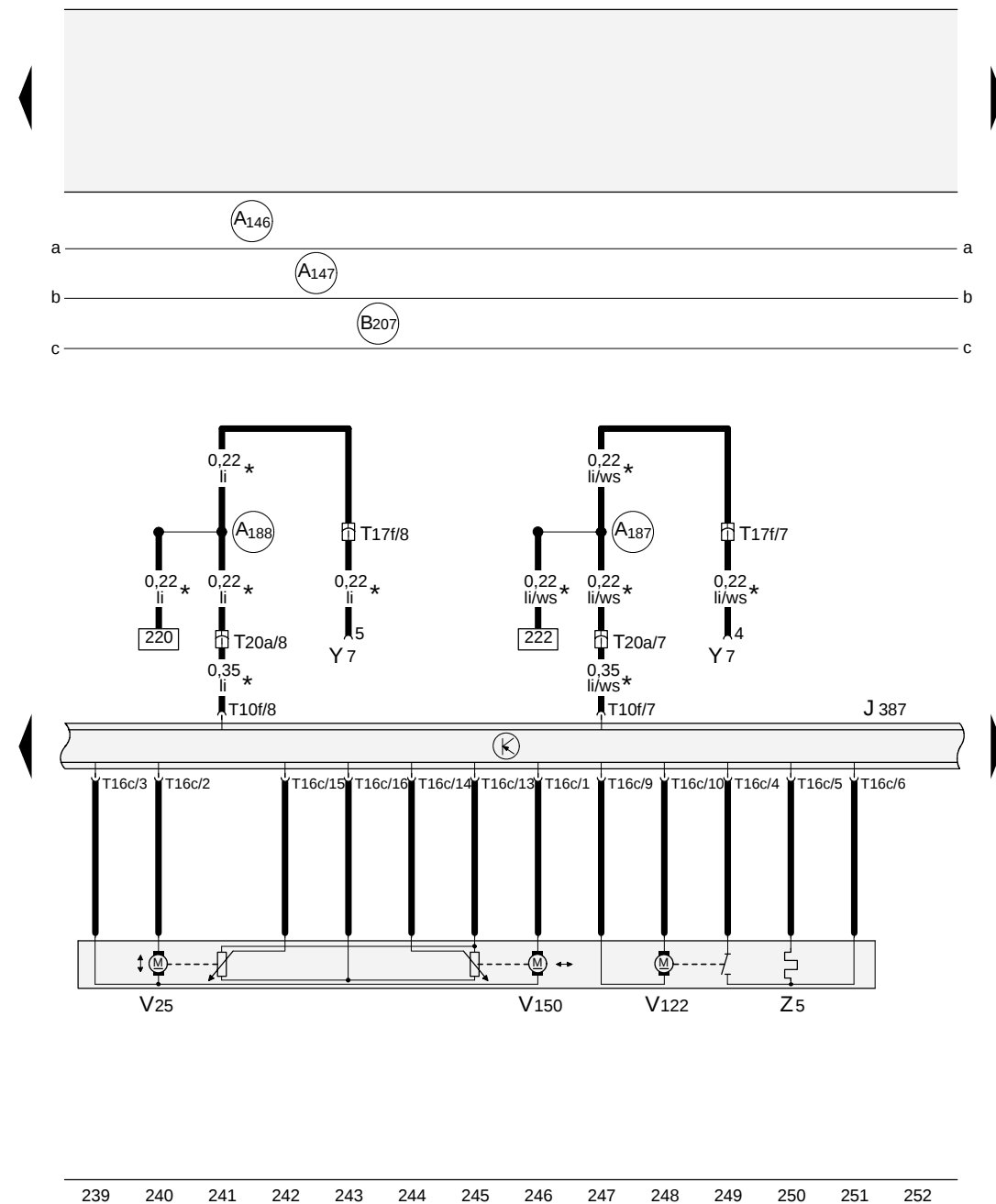
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange

Door control unit on front passenger's side with electric windows, central locking lock unit on front passenger's side



97-55337

Door control unit on front passenger's side, mirror adjustment with retraction function, automatic anti-dazzle interior mirror

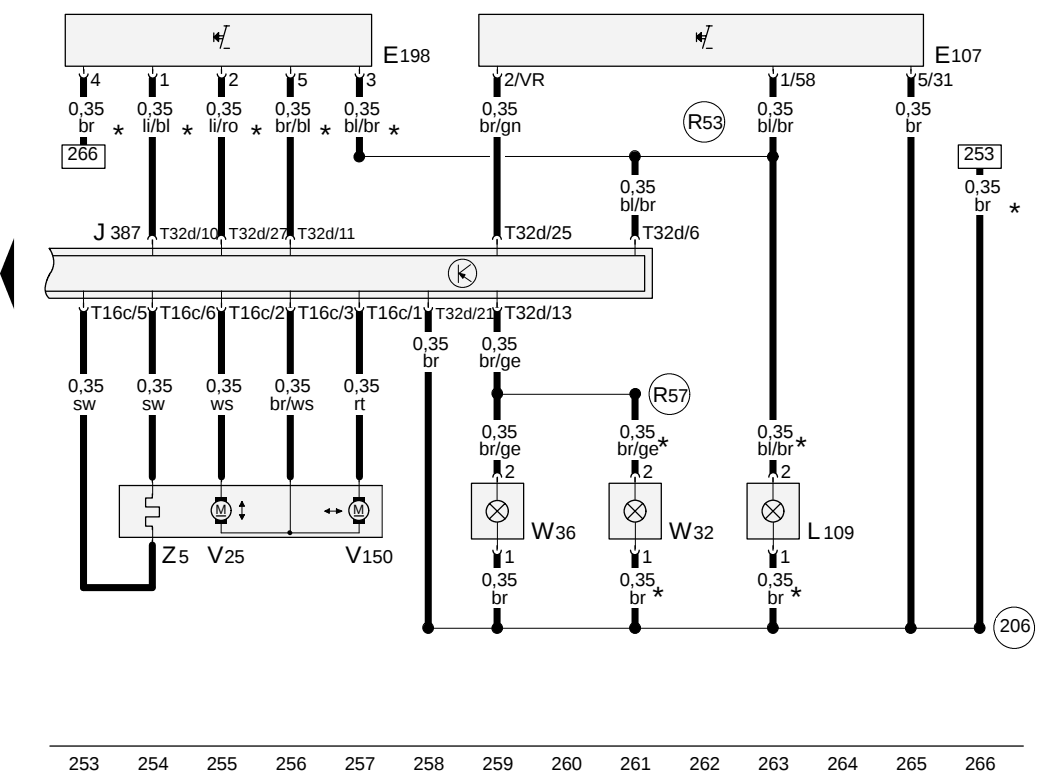
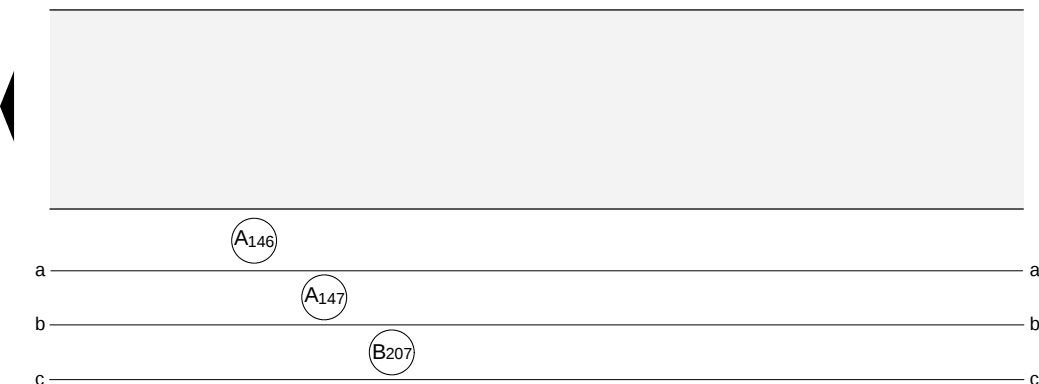


- J387 - Door control unit, front passenger's side
- T10f - 10-pin connector, black, on door control unit, front passenger's door
- T16c - 16-pin connector, door control unit, front passenger's door
- T17f - 17-pin connector, orange, connector point, A pillar, left
- T20a - 20-pin connector, black, door, A pillar, right
- V25 - Mirror adjustment motor, front passenger's side
- V122 - Folding mirror motor, front passenger's side
- V150 - Mirror adjustment motor, front passenger's side
- Y7 - Automatic anti-dazzle interior mirror
- Z5 - Heated exterior mirror, front passenger's side

- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- A187 - Connection -1- (automatic anti-dazzle exterior mirror), in dash panel wiring harness
- A188 - Connection -2- (automatic anti-dazzle exterior mirror), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness

* - Only applies to models with automatic anti-dazzle interior mirror

Door control unit on front passenger's side with electric windows, electric exterior mirror - right, door illumination



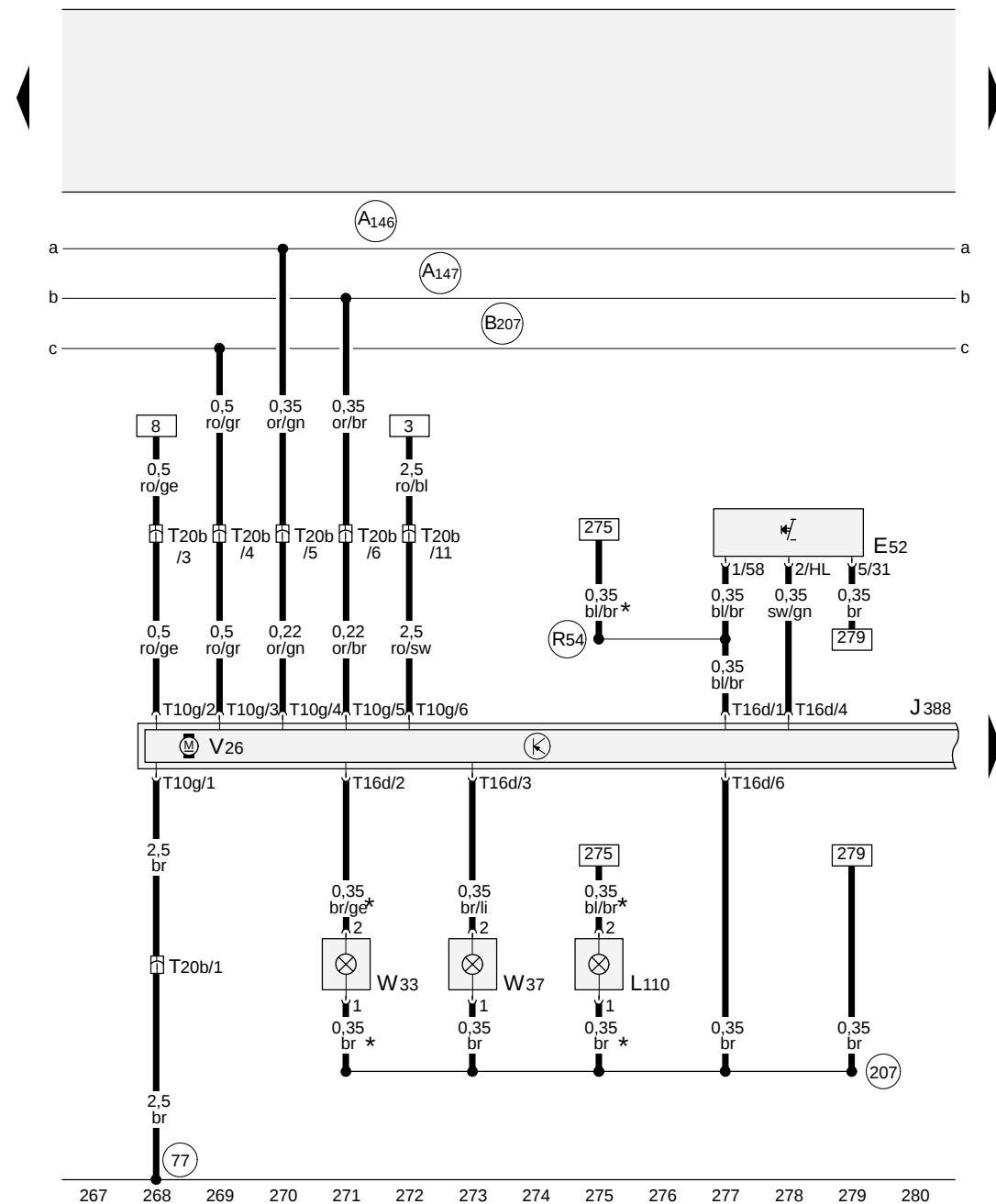
- E107 - Electric window switch, in front passenger's door
- E198 - Interior locking switch, front passenger's side
- J387 - Door control unit, front passenger's side
- L109 - Door opening illumination, front passenger's side
- T16c - 16-pin connector, door control unit, front passenger's door
- T32d - 32-pin connector, grey, door control unit, front passenger's door
- V25 - Mirror adjustment motor, front passenger's side
- V150 - Mirror adjustment motor, front passenger's side
- W32 - Front right entry light
- W36 - Door warning lamp, front passenger's side
- Z5 - Heated exterior mirror, front passenger's side

- 206 - Earth connection, in door wiring harness - front passenger's side
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness
- R53 - Connection (58s), in door wiring harness - front passenger's side
- R57 - Connection (entry light), in door wiring harness - front passenger's side

* - Depending on vehicle equipment

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

Rear left door control unit, rear left electric window, rear left door illumination



- E52 - Rear left electric window switch, in door
- J388 - Door control unit, rear left
- L110 - Door opening illumination, rear left
- T10g - 10-pin connector, black, on door control unit, rear left
- T16d - 16-pin connector, brown, door control unit, rear left
- T20b - 20-pin connector, black, door, B pillar, left
- V26 - Electric window motor, rear left
- W33 - Rear left entry light
- W37 - Door warning lamp, rear left

- (77) - Earth point, lower part of left B pillar
- (207) - Earth connection, in rear left door wiring harness
- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness
- R54 - Connection (58s), in door wiring harness, rear left

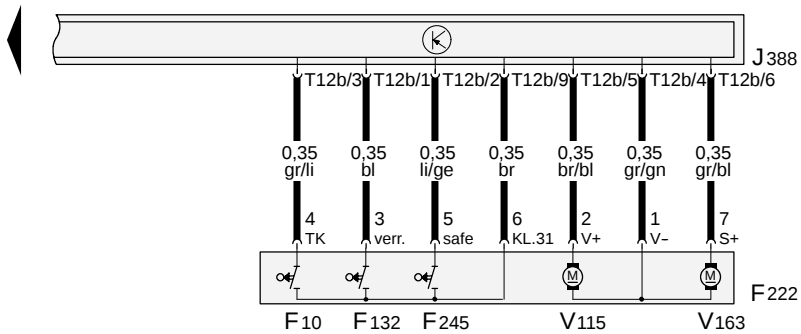
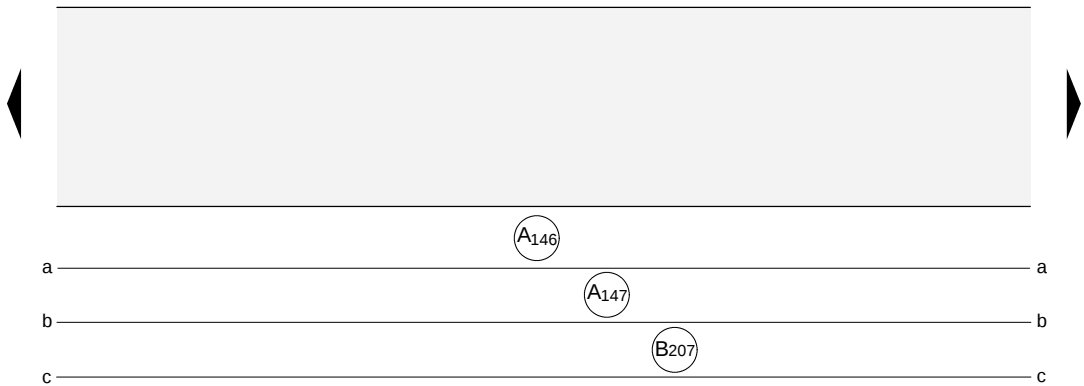
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Rear left door control unit, rear left central locking lock unit

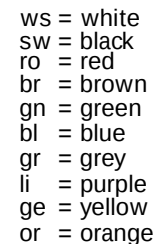
- F10 - Rear left door contact switch
- F132 - Central locking actuator, rear left
- F222 - Central locking lock unit, rear left
- F245 - Central locking actuator (Safe), rear left door
- J388 - Door control unit, rear left
- T12b - 12-pin connector, black, on door control unit, rear left
- V115 - Central locking motor, rear left door
- V163 - Central locking motor (Safe), rear left door

- A146 - Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 - Connection (convenience CAN bus, low), in dash panel wiring harness
- B207 - Connection (convenience), in interior wiring harness



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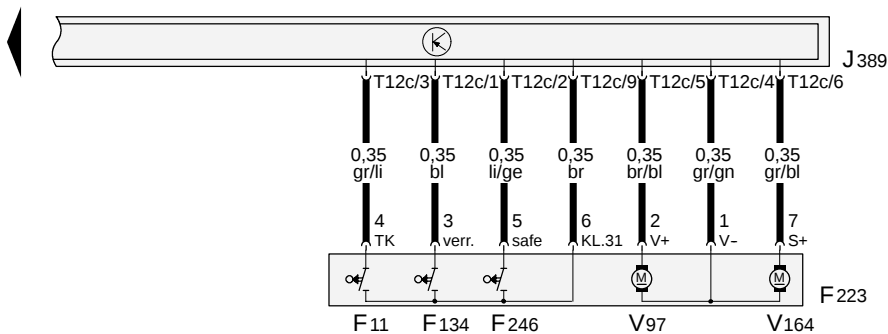
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- * - Depending on vehicle equipment

Rear right door control unit , rear right central locking lock unit

- F11 - Rear right door contact switch
- F134 - Central locking actuator, rear right
- F223 - Central locking lock unit, rear right
- F246 - Central locking actuator (Safe), rear right door
- J389 - Door control unit, rear right
- T12c - 12-pin connector, black, on door control unit, rear right
- V97 - Central locking motor, rear right door
- V164 - Central locking motor (Safe), rear right door



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