Audi Q7

Current Flow Diagram

No. 43 / 1

Edition 02.2006

Automatic gearbox 0AT
from model year 2007

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

→ List of Fitting Locations!

For information concerning

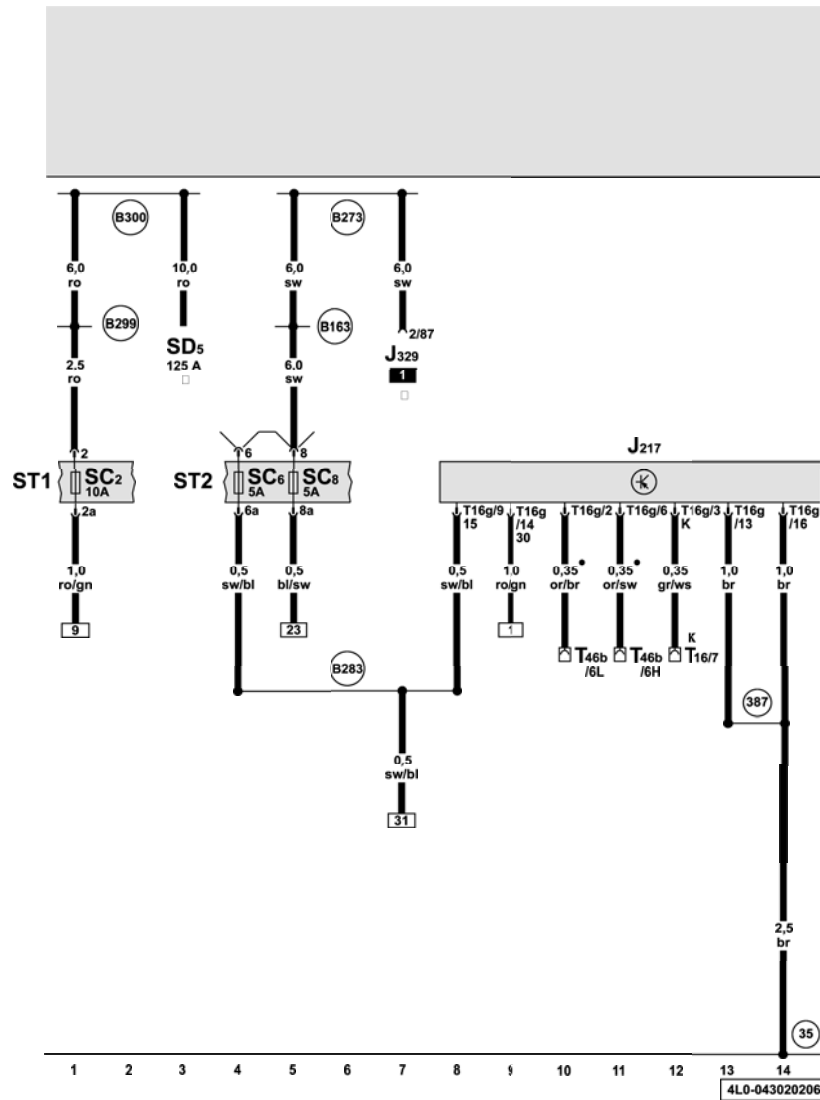- Fault Finding Programs

→ guided fault finding

Audi Q7

Current Flow Diagram

No. 43 / 2

Automatic gearbox control unit, fuses

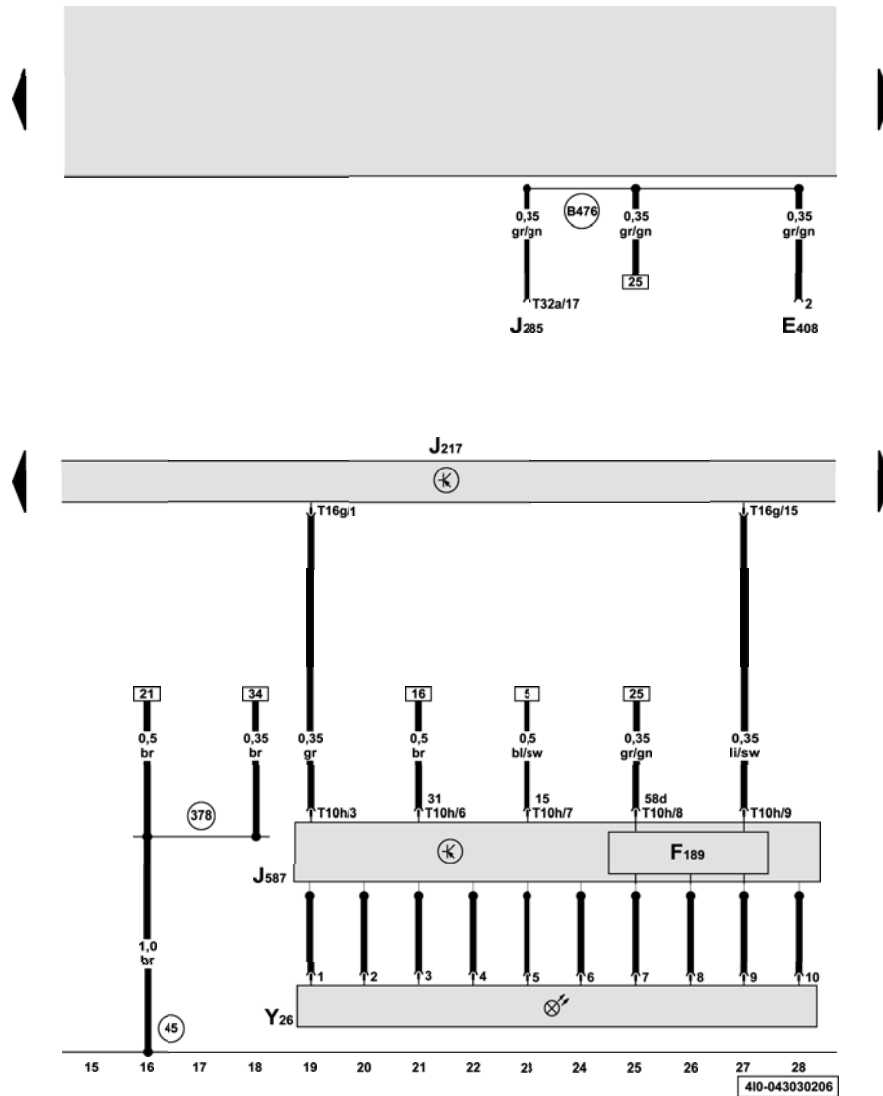|		
J217	-	Automatic gearbox control unit
J329	-	Terminal 15 voltage supply relay
SC2	-	Fuse 2 on fuse holder C
SC6	-	Fuse 6 on fuse holder C
SC8	-	Fuse 8 on fuse holder C
SD5	-	Fuse 5 on fuse holder D
T16	-	16-pin connector, diagnosis socket
T16g	-	16-pin connector, black, on automatic gearbox control unit
T46b	-	46-pin connector, black, CAN separating connector right
35	-	Earth point, under front passenger seat
387	-	Earth connection 22, in main wiring harness
B163	-	Positive connection 1 (15), in interior wiring harness
B273	-	Positive connection (15), in main wiring harness
B283	-	Positive connection 7 (15a), in main wiring harness
B299	-	Positive connection 3 (30), in main wiring harness
B300	-	Positive connection 4 (30), in main wiring harness
•	-	CAN bus (data wire)
*	-	Relay and fuse carrier under driver seat

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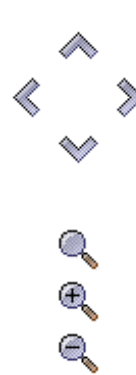or = orange
rs = pink

4L0-043020206

Audi Q7

Current Flow Diagram

No. 43 / 3

Automatic gearbox control unit, selector lever sensors control unit, Tiptronic switch, selector lever position display

E408 - Entry and start authorisation button
F189 - Tiptronic switch
J217 - Automatic gearbox control unit
J285 - Control unit in dash panel insert
J587 - Selector lever sensors control unit
T10h - 10-pin connector, black, on selector lever sensors control unit
T16g - 16-pin connector, black, on automatic gearbox control unit
T32a - 32-pin connector, grey, on control unit in dash panel insert
Y26 - Selector lever position display
45 - Earth point, centre behind dash panel
378 - Earth connection 13, in main wiring harness
B476 - Connection 12, in main wiring harness

B476
0,35 gr/gn
0,35 gr/gn
0,35 gr/gn
25
T32a/17
2
J285
E408

J217

T16g/1
T16g/15

21
34
16
5
25

0,5 br
0,35 br
0,35 gr
0,5 br
0,5 bl/sw
0,35 gr/gn
0,35 li/sw

378

T10h/3
31 T10h/6
15 T10h/7
58d T10h/8
T10h/9

J587
F189

1 2 3 4 5 6 7 8 9 10

1,0 br

45

Y26

15 16 17 18 19 20 21 22 23 24 25 26 27 28
4I0-043030206

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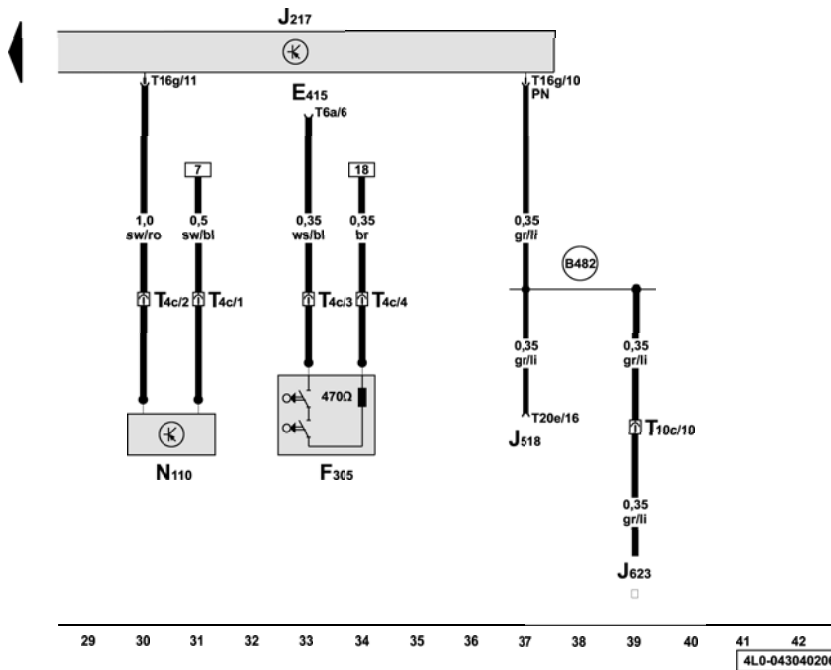li = purple
ge = yellow
or = orange
rs = pink

Audi Q7

Current Flow Diagram

No. 43 / 4

Automatic gearbox control unit, gear selector position P switch, selector lever lock solenoid

E415 - Entry and start authorisation switch
F305 - Gear selector position P switch
J217 - Automatic gearbox control unit
J518 - Entry and start authorisation control unit
J623 - Engine control unit
N110 - Selector lever lock solenoid
T4c - 4-pin connector, black, in centre console on selector lever console
T6a - 6-pin connector, on entry and start authorisation switch
T10c - 10-pin connector, pink, coupling station on electronics box, plenum chamber
T16g - 16-pin connector, black, on automatic gearbox control unit
T20e - 20-pin connector, black, on entry and start authorisation control unit
B482 - Connection 18, in main wiring harness

* - see engine Current Flow Diagram

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

J217 / E415 / N110 / F305 / J518 / J623 / T16g/11 / T16g/10 PN / T6a/6 / T4c/2 / T4c/1 / T4c/3 / T4c/4 / T20e/16 / T10c/10

1,0 sw/ro / 0,5 sw/bl / 0,35 ws/bl / 0,35 br / 0,35 gr/li / 470Ω

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

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