Headlight for gaseous discharge light (Xenon plus) and automatic headlight range control

from August 2004

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

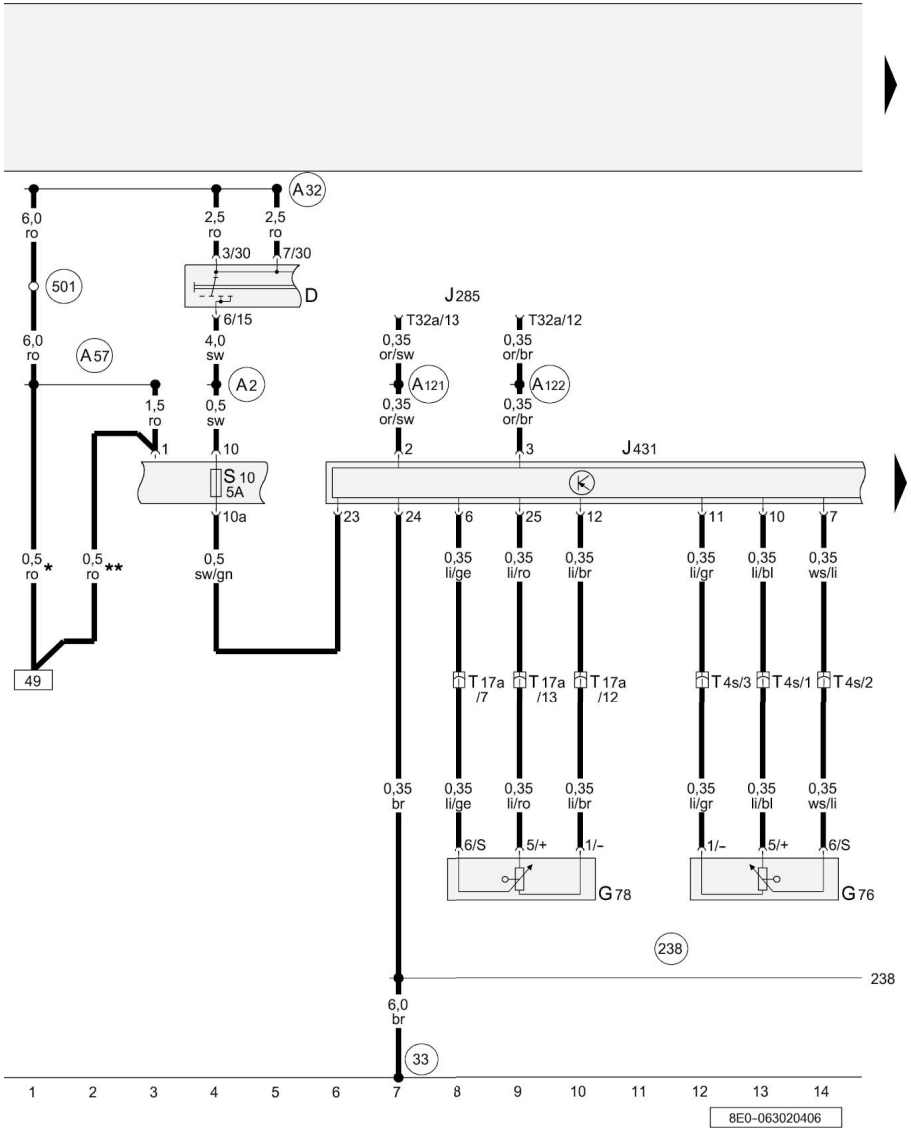
- Fault Finding Programs

→ guided fault finding

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Current Flow Diagram

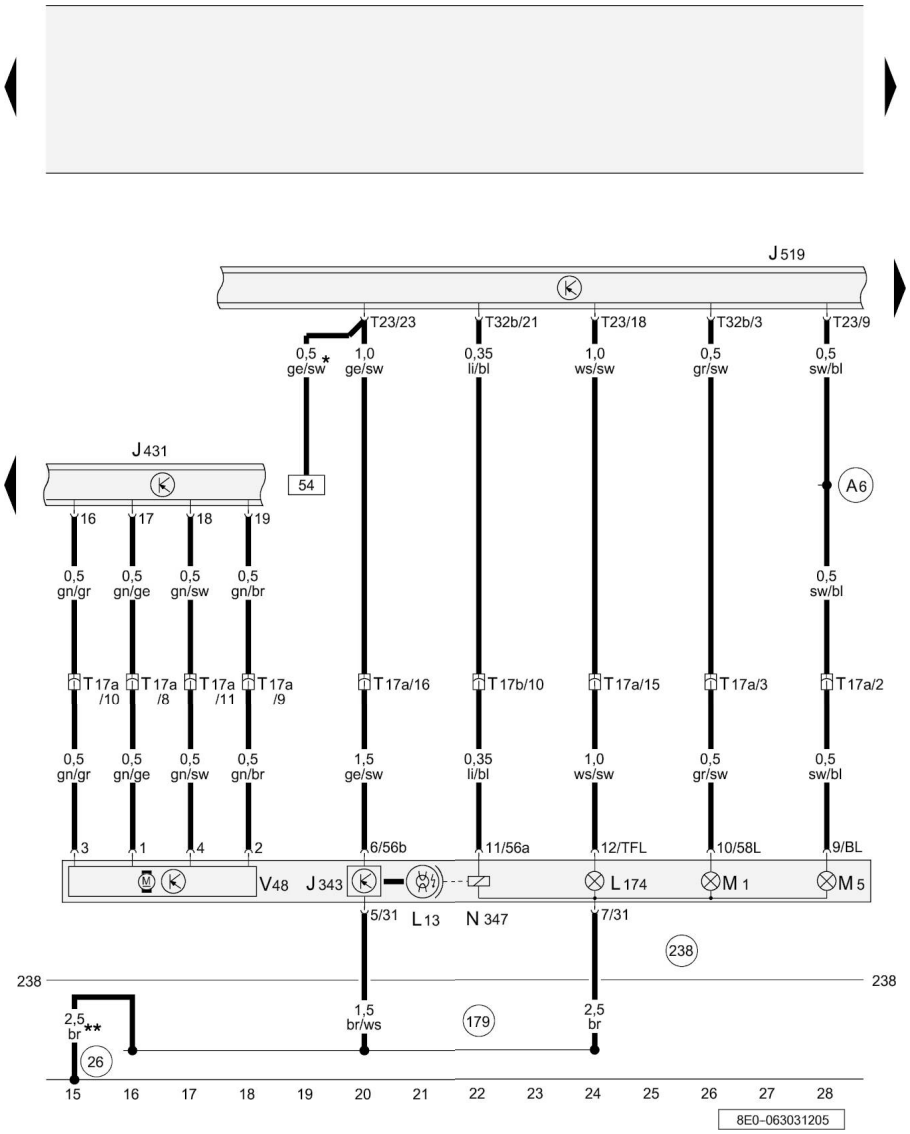
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Ignition/starter switch, fuses, vehicle level sender

D	-	Ignition/starter switch
G76	-	Rear left vehicle level sender
G78	-	Front left vehicle level sender
J285	-	Control unit in dash panel insert
J431	-	Headlight range control, control unit
S10	-	Fuses in relay plate fuse holder
T4s	-	4-pin connector, black, for rear left vehicle level sender
T17a	-	17-pin connector, red, coupling station on left of A-pillar
T32a	-	32-pin connector, green, on dash panel insert
33	-	Earth point, on right behind dash panel
238	-	Earth connection 1, in interior wiring harness
501	-	Screw connection 2 (30), on relay plate
A2	-	Positive connection (15), in dash panel wiring harness
A32	-	Positive connection (30), in dash panel wiring harness
A57	-	Positive connection 3 (30), in dash panel wiring harness
A121	-	Connection (high bus), in dash panel wiring harness
A122	-	Connection (low bus), in dash panel wiring harness
*	-	applicable up to model year 2005
**	-	applicable from model year 2006



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Left gas discharge (xenon) bulb

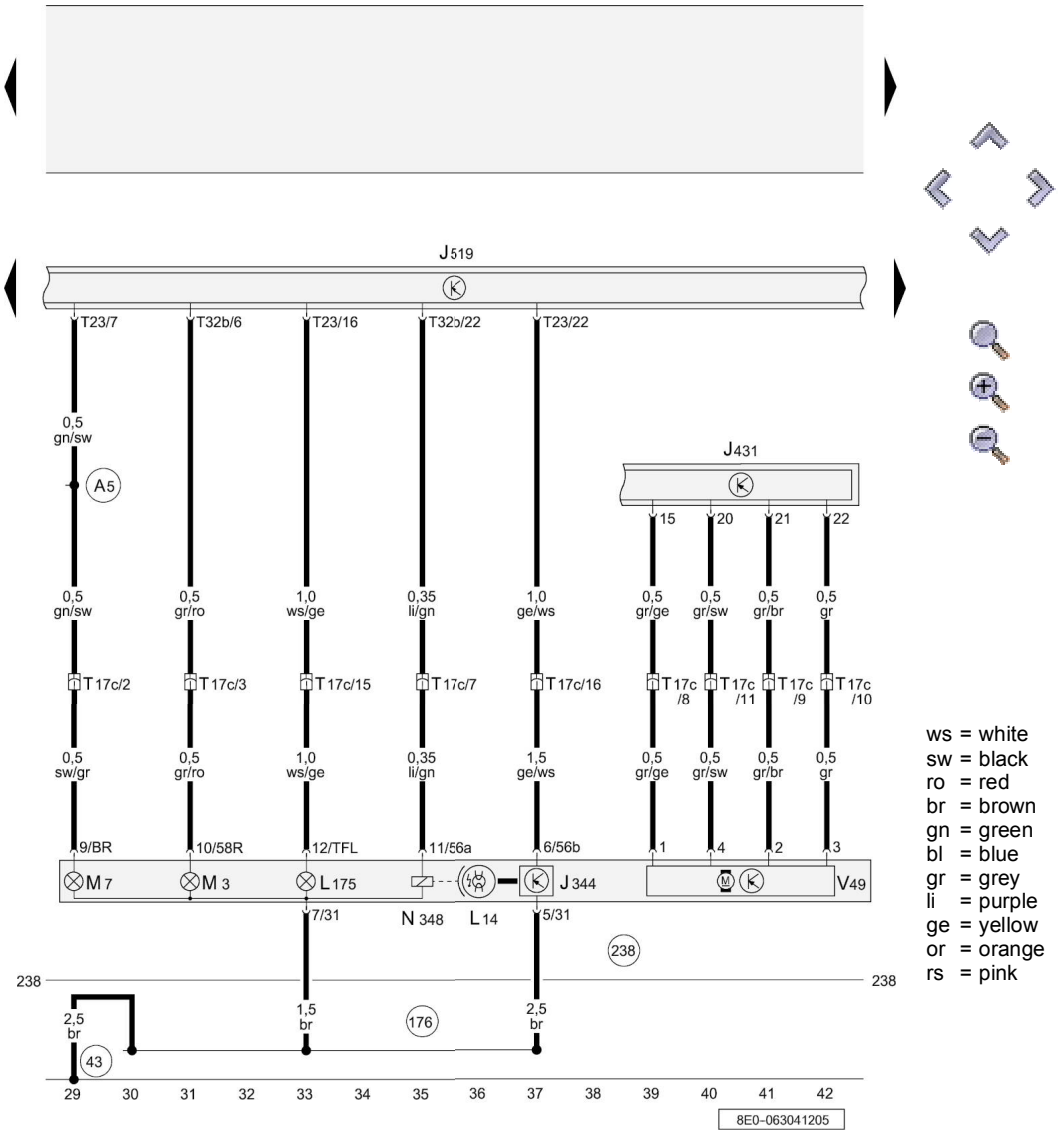
J343 - Left gas discharge light control unit
J431 - Headlight range control, control unit
J519 - Onboard supply control unit
L13 - Left gas discharge (xenon) bulb
L174 - Left day driving light bulb
M1 - Left side light bulb
M5 - Front left turn signal bulb
N347 - Left main and dip beam switch-over solenoid
T17a - 17-pin connector, red, coupling station on left of A-pillar
T17b - 17-pin connector, green, coupling station on left of A-pillar
T23 - 23-pin connector, black, on onboard supply control unit
T32b - 32-pin connector, grey, on onboard supply control unit
V48 - Left headlight range control motor
26 - Earth point, on front apron
179 - Earth connection, in left headlight wiring harness
238 - Earth connection 1, in interior wiring harness
A6 - Positive connection (left turn signal), in dash panel wiring harness

* - for models with US equipment only
** - Cross-section 4.0 possible

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Current Flow Diagram

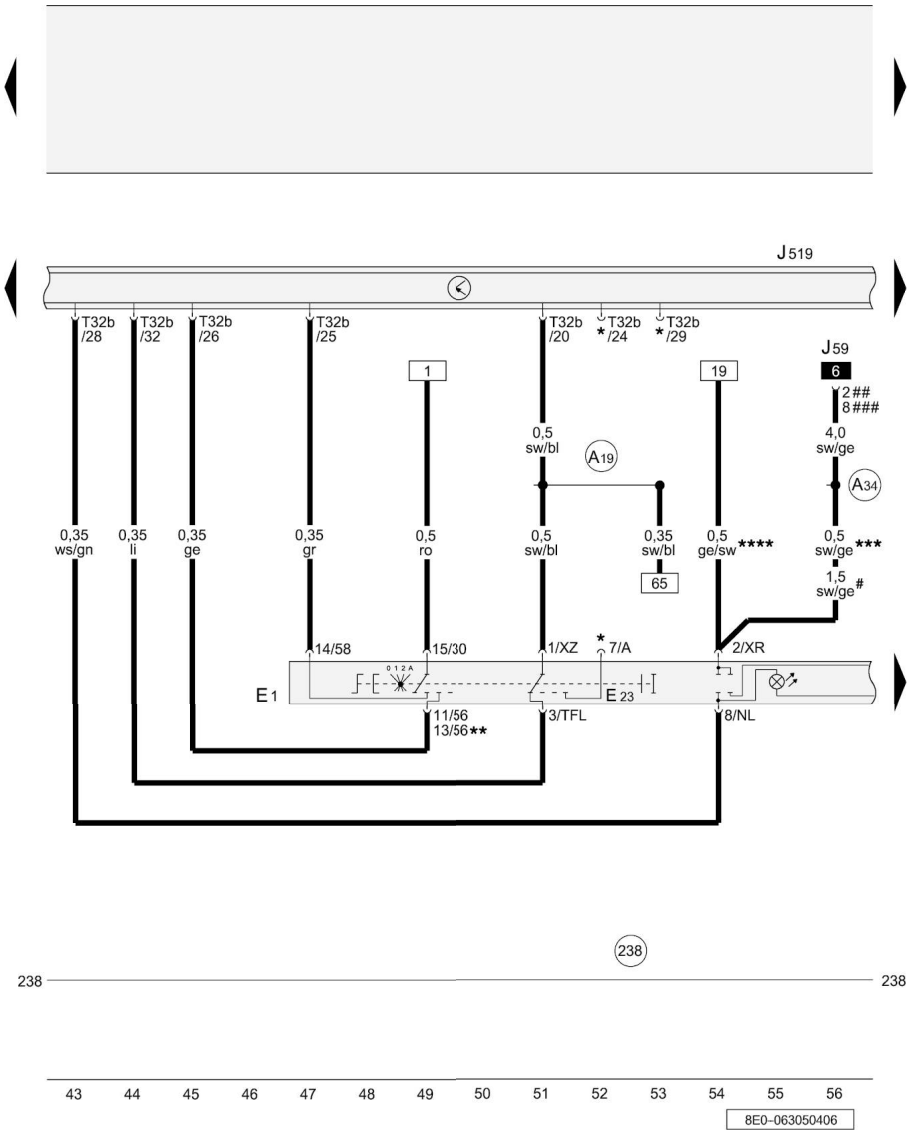
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Right gas discharge (xenon) bulb

- J344 - Right gas discharge light control unit
- J431 - Headlight range control, control unit
- J519 - Onboard supply control unit
- L14 - Right gas discharge (xenon) bulb
- L175 - Right day driving light bulb
- M3 - Right side light bulb
- M7 - Front right turn signal bulb
- N348 - Right main and dip beam switch-over solenoid
- T17c - 17-pin connector, red, coupling station on right of A-pillar
- T23 - 23-pin connector, black, on onboard supply control unit
- T32b - 32-pin connector, grey, on onboard supply control unit
- V49 - Right headlight range control motor
- 43 - Earth point, lower part of right A-pillar
- 176 - Earth connection, in right headlight wiring harness
- 238 - Earth connection 1, in interior wiring harness
- A5 - Positive connection (right turn signal), in dash panel wiring harness

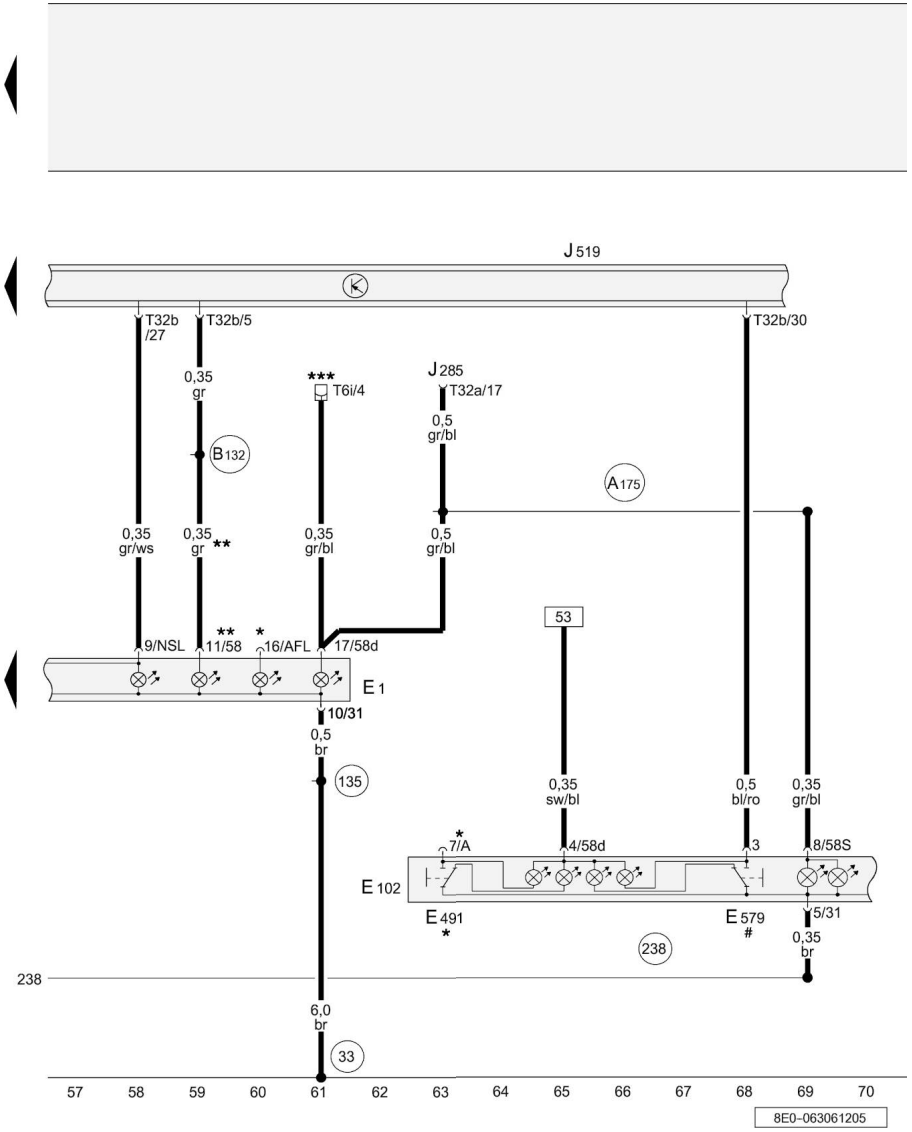


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Light switch

E1 - Light switch
E23 - Front and rear fog light switch
J59 - X-contact relief relay
J519 - Onboard supply control unit
T32b - 32-pin connector, grey, on onboard supply control unit
238 - Earth connection 1, in interior wiring harness
A19 - Connection (58d), in dash panel wiring harness
A34 - Connection (75x), in dash panel wiring harness

* - for models with automatic headlight switching / surround lighting only, ⇒ applicable Current Flow Diagram
** - applicable from January 2005
*** - for models without US equipment only, applicable up to model year 2005
**** - for models with US equipment only
# - for models without US equipment only, applicable from model year 2006
- applicable up to model year 2006
- applicable from model year 2007



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Headlight range control regulator

E1	-	Light switch
E102	-	Headlight range control regulator
E491	-	Deactivation switch for surround lighting
E579	-	Switch for day driving lights switch off
J285	-	Control unit in dash panel insert
J519	-	Onboard supply control unit
T6i	-	6-pin connector, brown, behind side trim on rear left
T32a	-	32-pin connector, green, on dash panel insert
T32b	-	32-pin connector, grey, on onboard supply control unit
33	-	Earth point, on right behind dash panel
135	-	Earth connection 2, in dash panel wiring harness
238	-	Earth connection 1, in interior wiring harness
A175	-	Connection (58s), in dash panel wiring harness
B132	-	Connection (number plate lights), in interior wiring harness
*	-	for models with automatic headlight switching / surround lighting only, ⇒ applicable Current Flow Diagram
**	-	applicable from January 2005
***	-	for Avant models ⇒ see applicable Current Flow Diagram: Avant models, rear
#	-	for models with day driving light (not for Kanada) only