

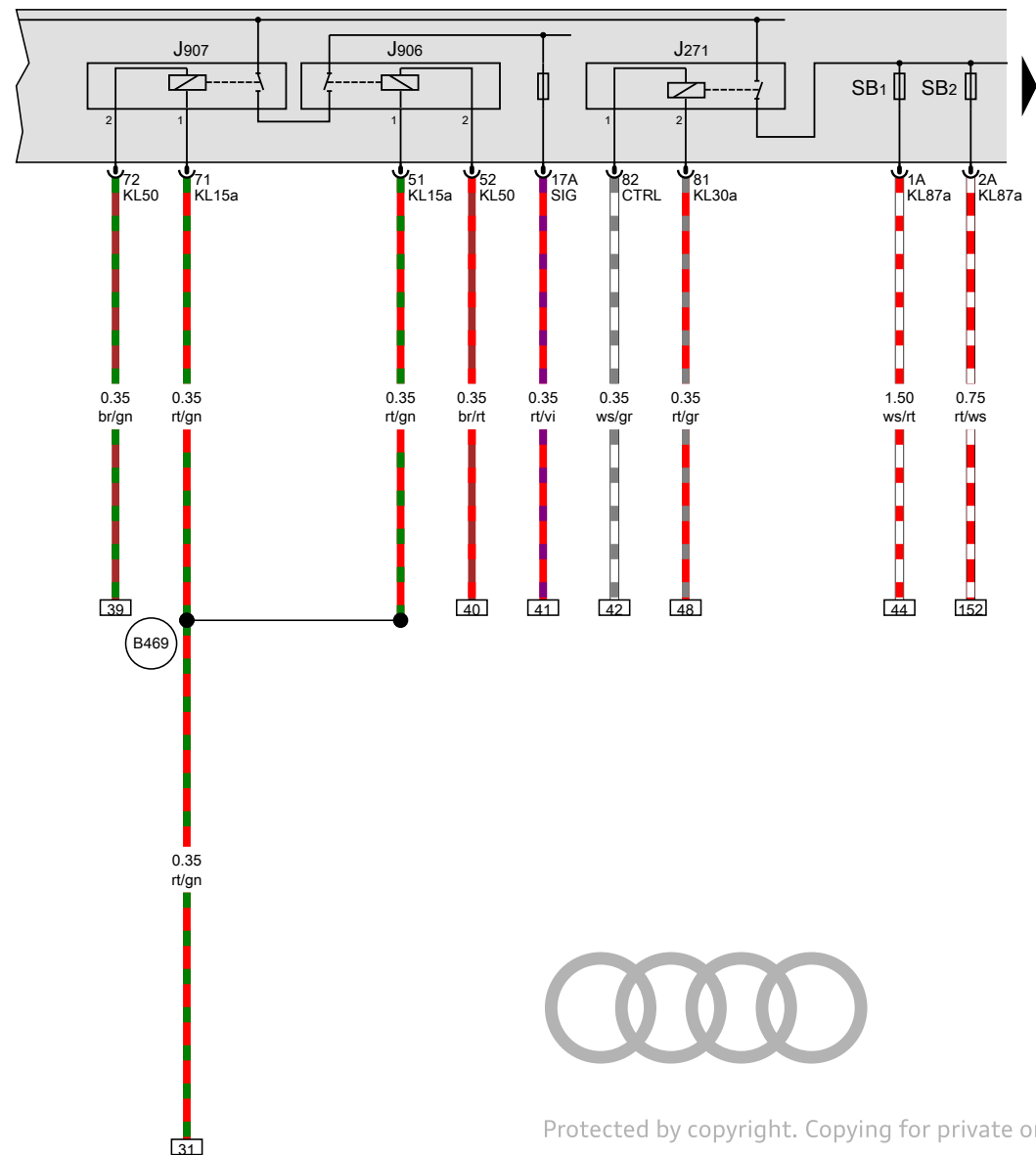
2.0l petrol engine , CZPC,DKZC

From July 2018



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SB



Main relay, Starter relay 1, Starter relay 2, Fuse holder B

- J271 Main relay
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B

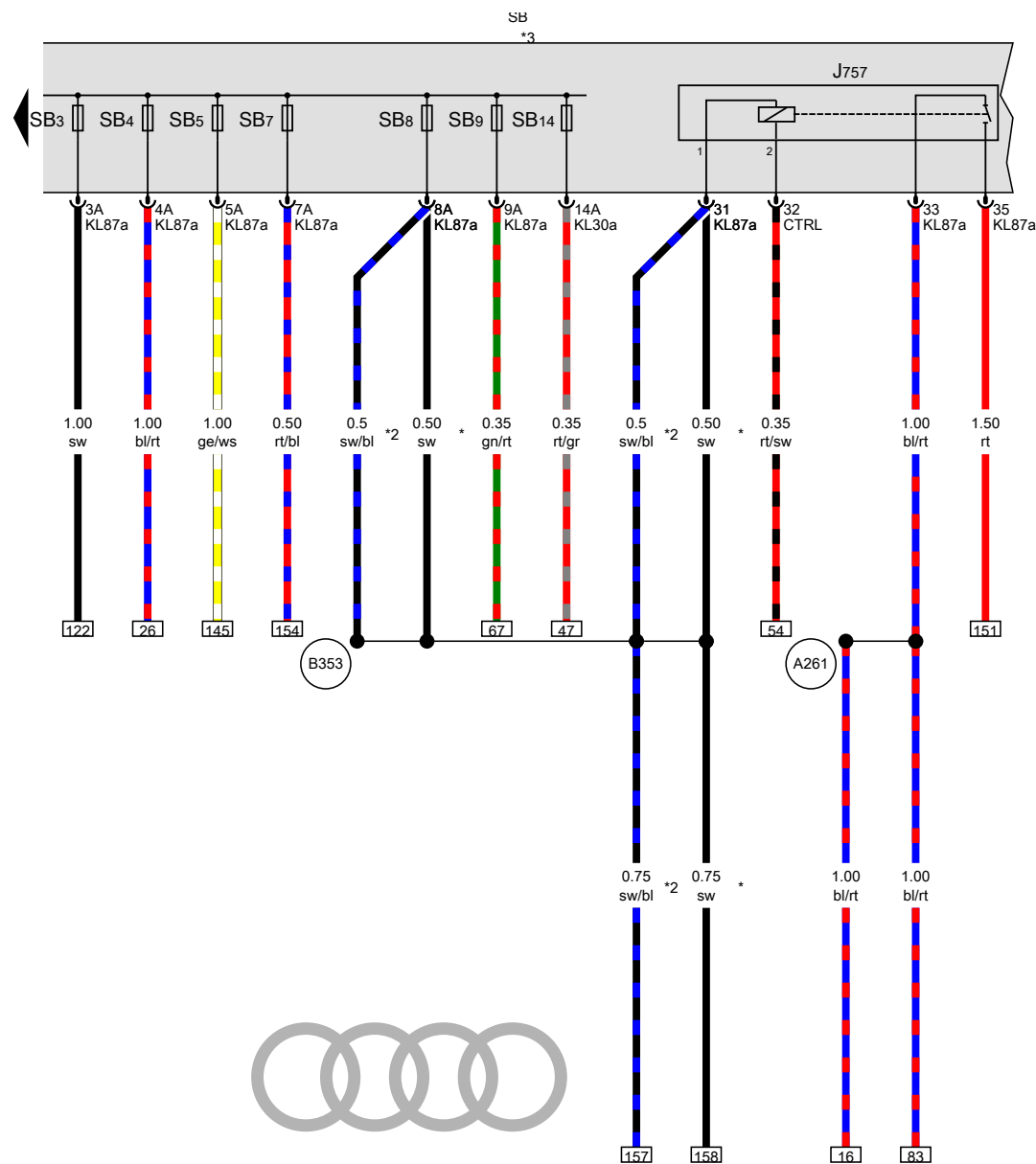
B469 Connection 5, in main wiring harness

* see applicable current flow diagram for fuses in engine compartment



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Engine component current supply relay, Fuse holder B

- J757 Engine component current supply relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB14 Fuse 14 on fuse holder B

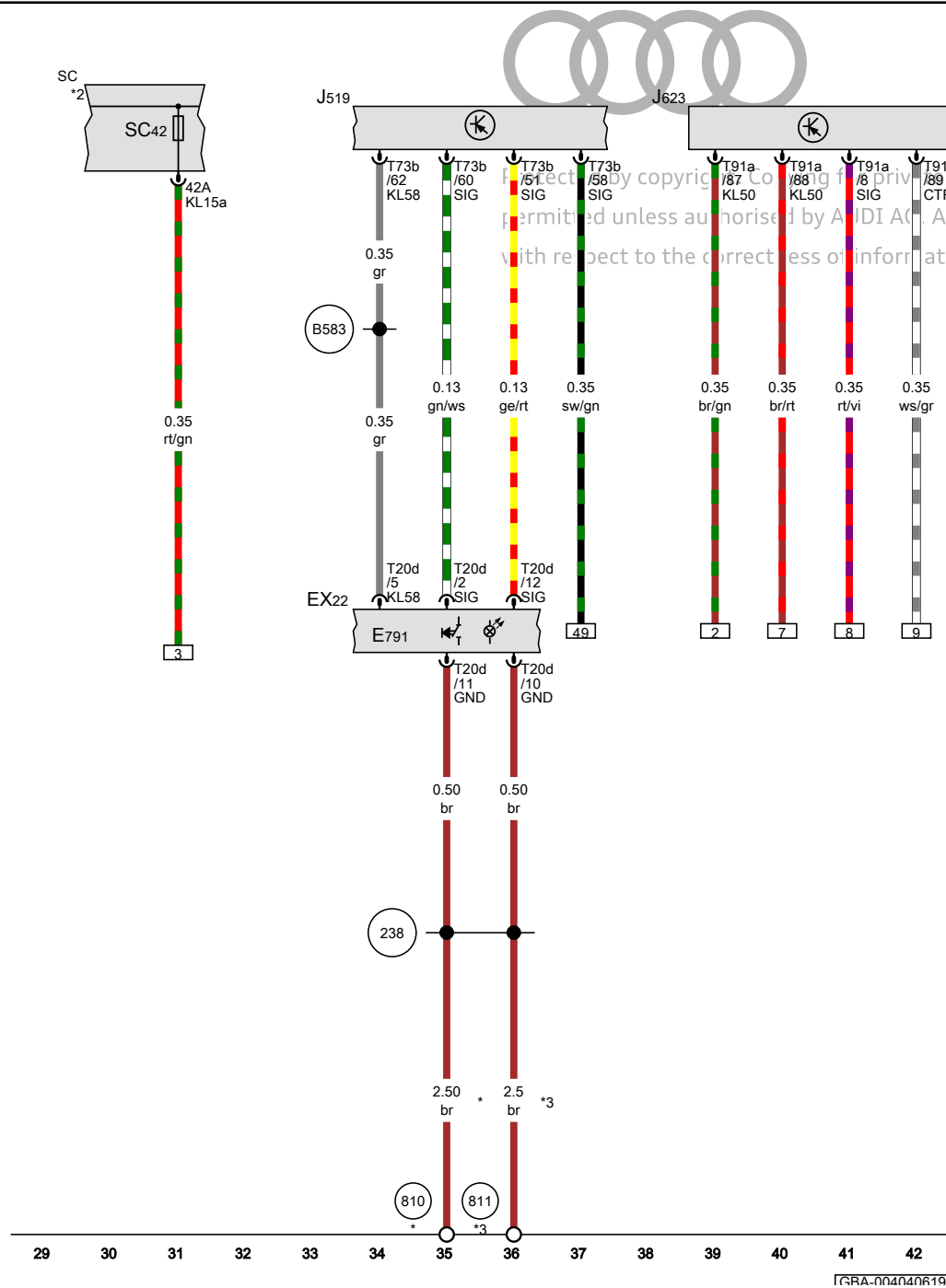
A261 Connection 5, in dash panel wiring harness

B353 Positive connection 4 (87a) in main wiring harness

- * Up to July 2019
- *2 From July 2019
- *3 see applicable current flow diagram for fuses in engine compartment



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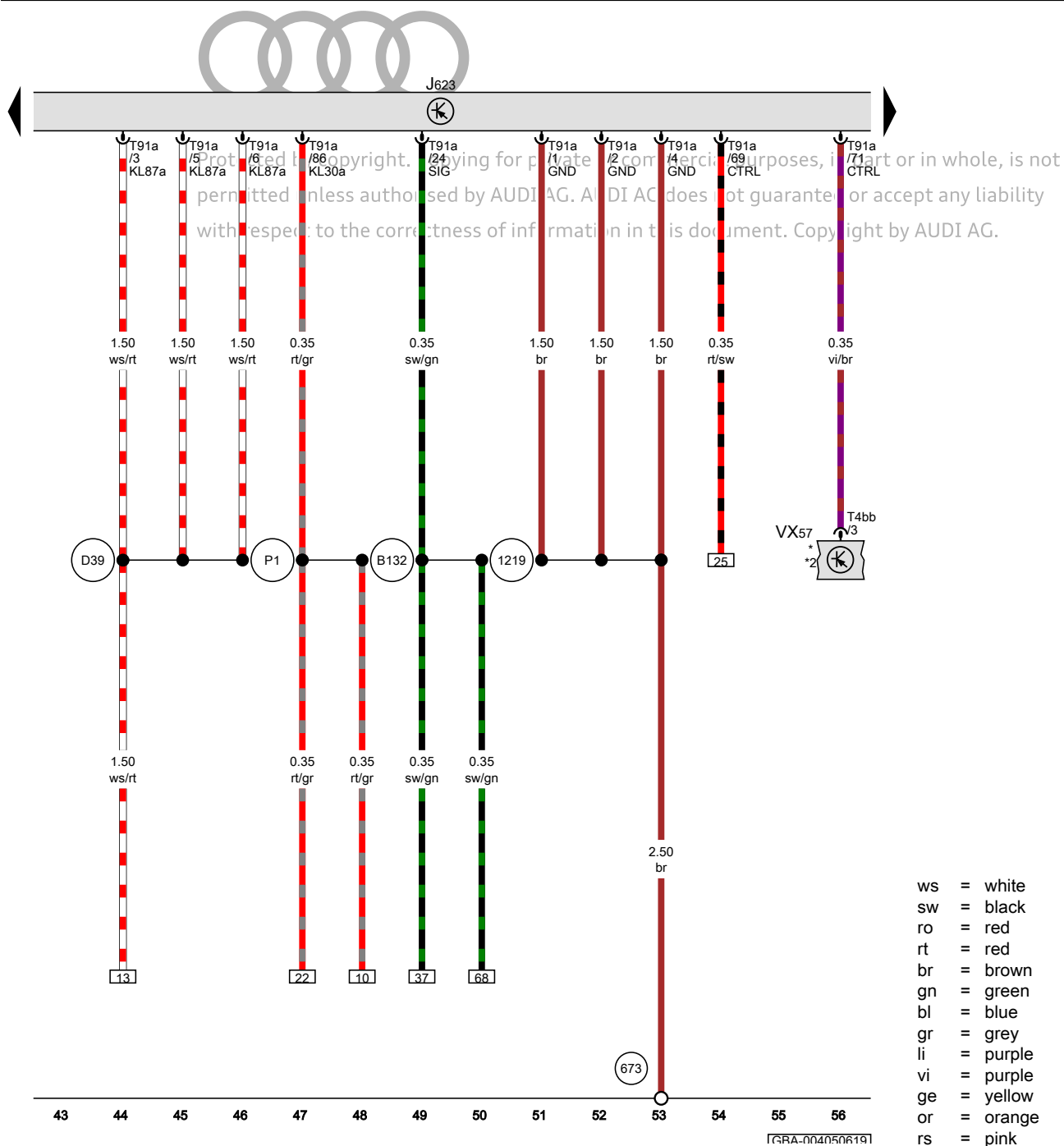
Centre switch module in dash panel, Operating unit 1 for driver and convenience functions, Onboard supply control unit, Engine/motor control unit, Fuse holder C

- EX22 Centre switch module in dash panel
- E791 Operating unit 1 for driver and convenience functions
- J519 Onboard supply control unit
- J623 Engine/motor control unit
- SC Fuse holder C
- SC42 Fuse 42 on fuse holder C
- T20d 20-pin connector, black
- T73b 73-pin connector, black
- T91a 91-pin connector, black

- (238) Earth connection 1, in interior wiring harness
- (810) Earth point on central tube for dash panel, centre left
- (811) Earth point on central tube for dash panel, centre right
- (B583) Positive connection (58), in interior wiring harness

- * For left-hand drive models
- *2 see applicable current flow diagram for fuses in interior
- *3 For right-hand drive models

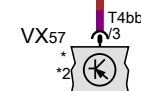
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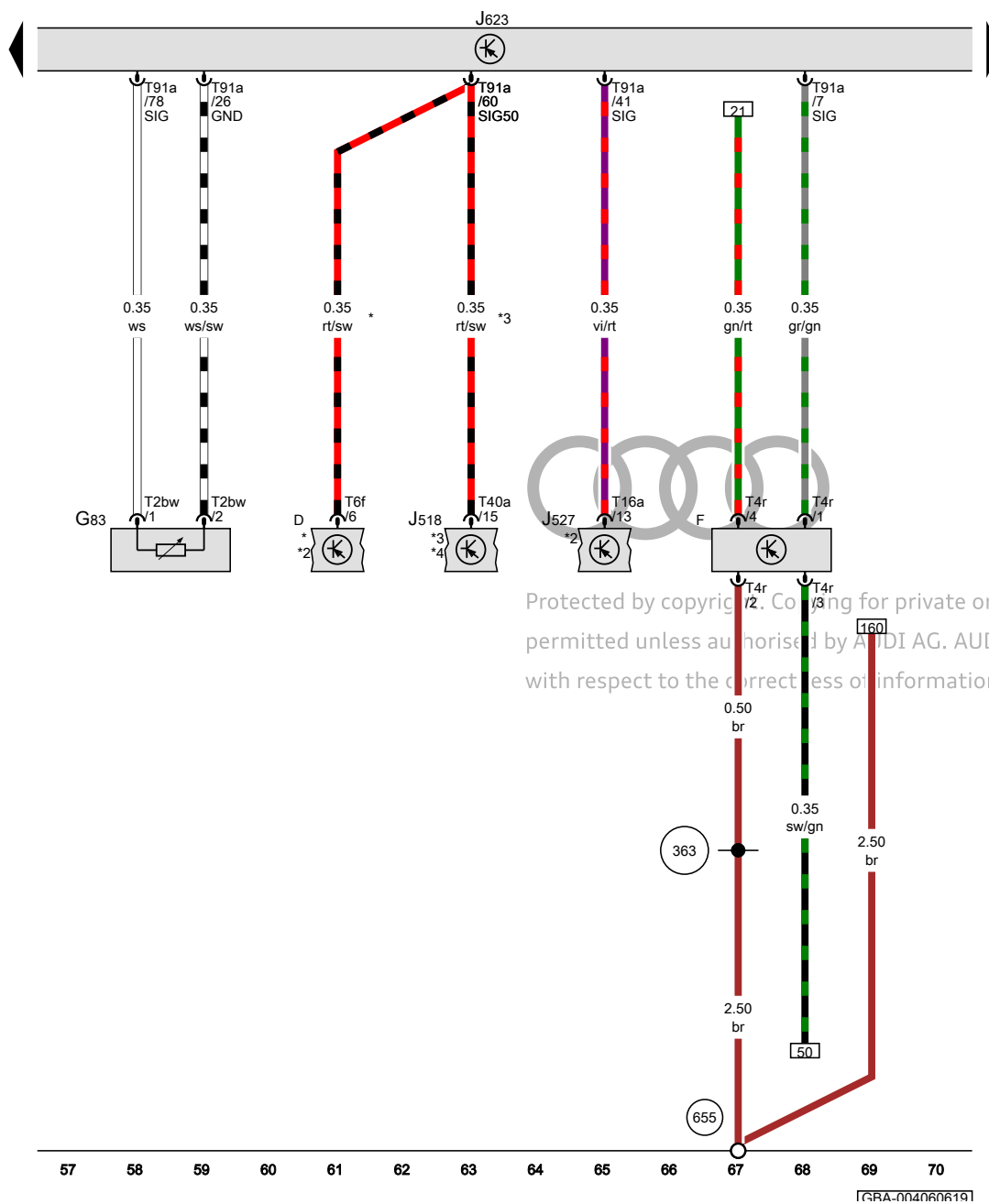
Engine/motor control unit, Radiator fan

J623 Engine/motor control unit
T4bb 4-pin connector, black
T91a 91-pin connector, black
VX57 Radiator fan

- 673 Earth point 3, on front of left longitudinal member
- 1219 Earth connection 12, in engine compartment wiring harness
- B132 Connection (number plate lights), in interior wiring harness
- D39 Connection 1, in engine prewiring harness
- P1 Positive connection (30), in battery fuse holder
- * Pre-wired component
- *2 see applicable current flow diagram for radiator fan



16BA-0040506191



Ignition/starter switch, Brake light switch, Radiator outlet coolant temperature sender, Entry and start authorisation control unit, Steering column electronics control unit, Engine/motor control unit

- D Ignition/starter switch
- F Brake light switch
- G83 Radiator outlet coolant temperature sender
- J518 Entry and start authorisation control unit
- J527 Steering column electronics control unit
- J623 Engine/motor control unit
- T2bw 2-pin connector, black
- T4r 4-pin connector, black
- T6f 6-pin connector, black
- T16a 16-pin connector, black
- T40a 40-pin connector, black
- T91a 91-pin connector, black

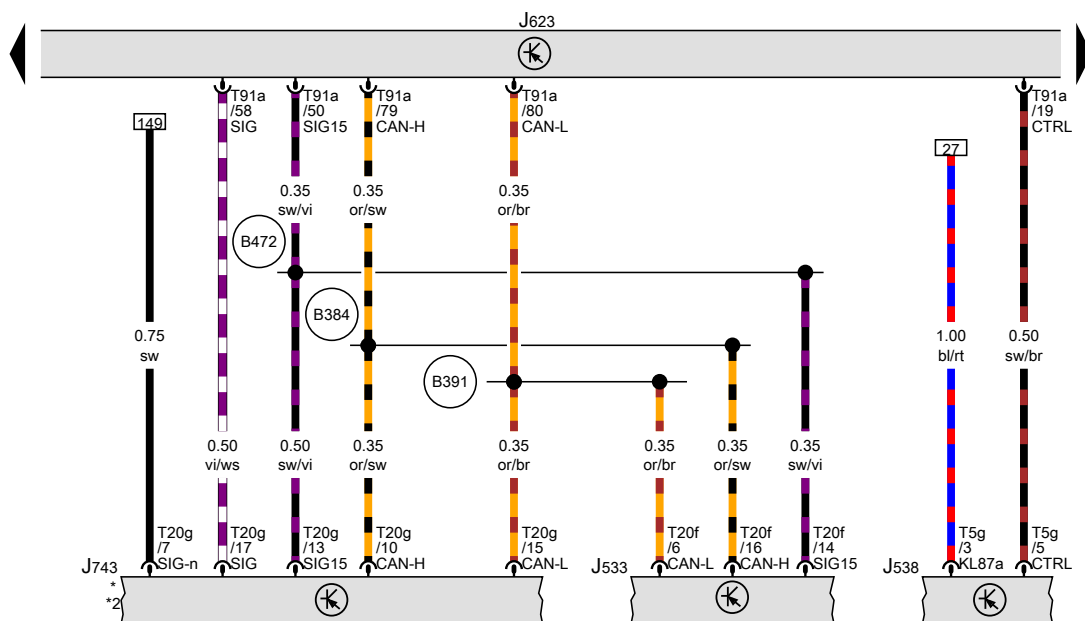
363 Earth connection 8, in engine compartment wiring harness

655 Earth point, on left headlight

- * For models with no entry and start authorisation
- *2 see applicable current flow diagram for steering column electronics
- *3 For models with entry and start authorisation
- *4 For models with Internet access

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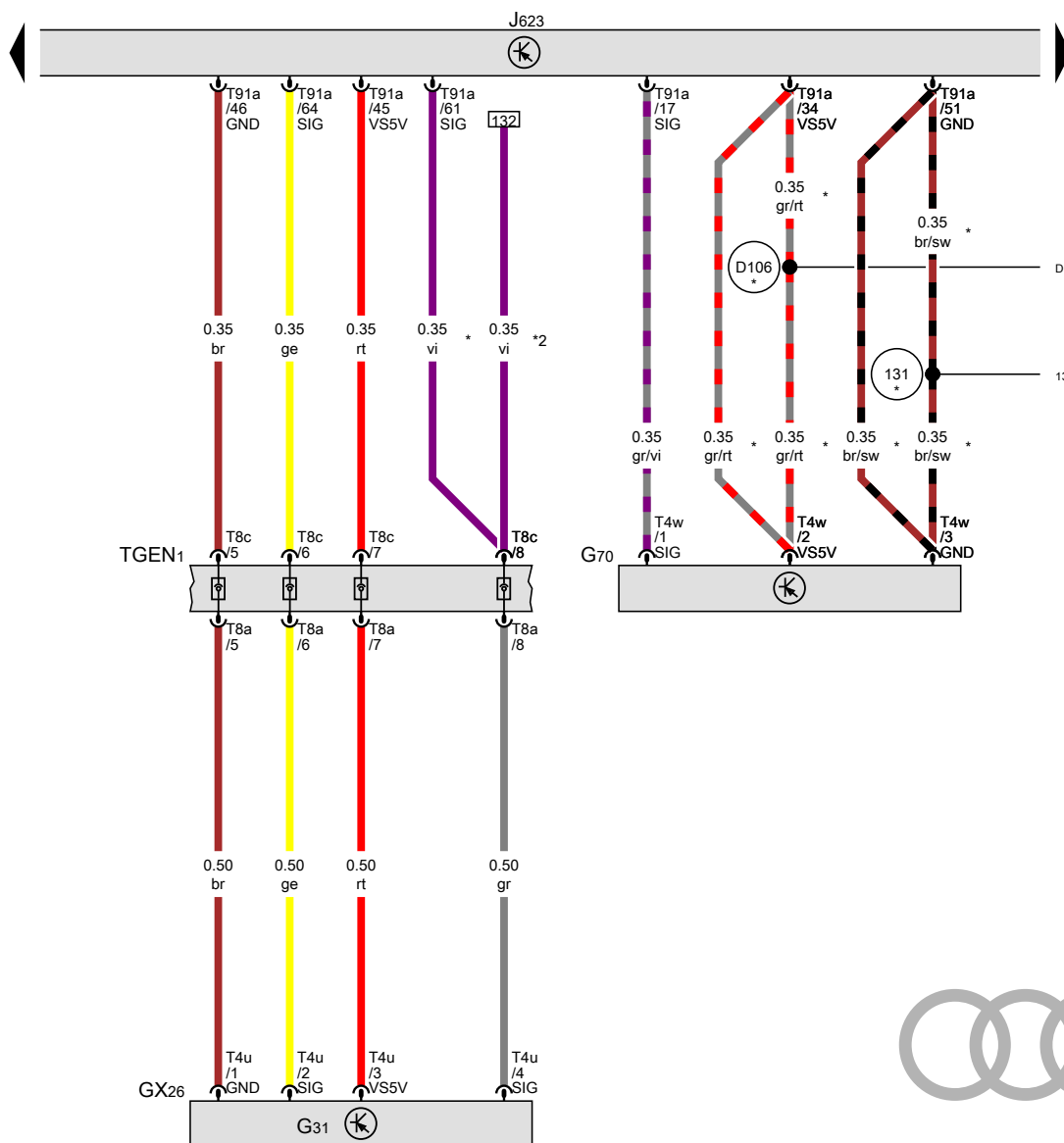
Data bus diagnostic interface, Fuel pump control unit, Engine/motor control unit, Mechatronic unit for dual clutch gearbox

- J533 Data bus diagnostic interface
- J538 Fuel pump control unit
- J623 Engine/motor control unit
- J743 Mechatronic unit for dual clutch gearbox
- T5g 5-pin connector, black
- T20f 20-pin connector, red
- T20g 20-pin connector, black
- T91a 91-pin connector, black
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness
- B472 Connection 8, in main wiring harness
- * For models with dual clutch gearbox 0D9
- *2 see applicable current flow diagram for dual clutch gearbox



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Charge pressure sender, Air mass meter, Engine/motor control unit

- GX26 Charge pressure sender
- G31 Charge pressure sender
- G70 Air mass meter
- J623 Engine/motor control unit
- T4u 4-pin connector, black
- T4w 4-pin connector, black
- T8a 8-pin connector, black
- T8c 8-pin connector, black
- T91a 91-pin connector, black
- TGEN1 Coupling point 1 for alternator

131 Earth connection 2, in engine compartment wiring harness

D106 Connection 4 in engine compartment wiring harness

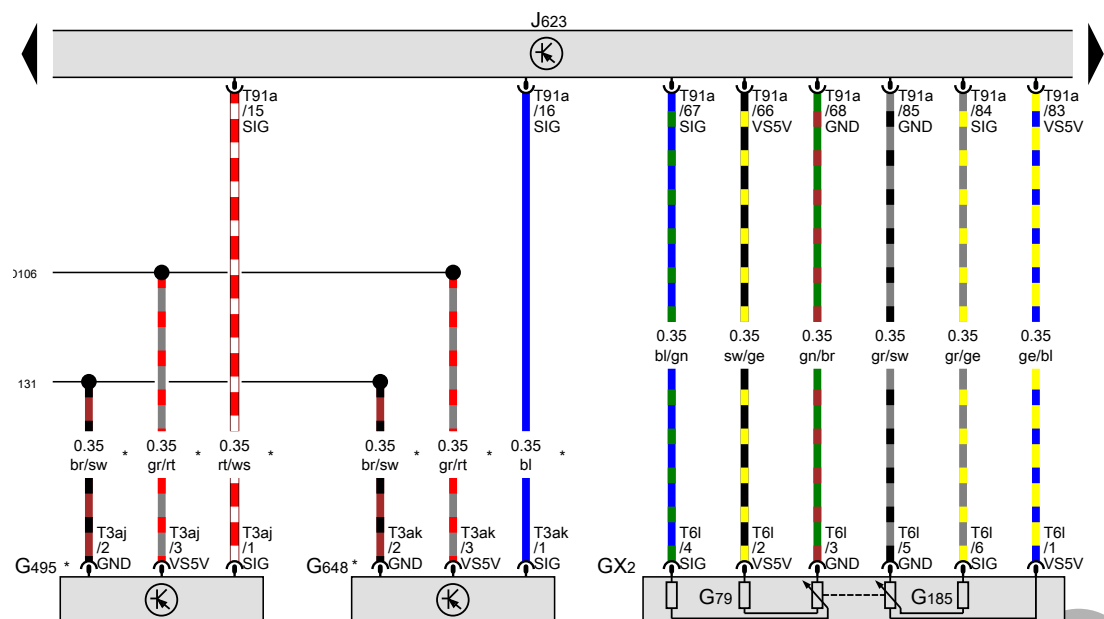
* For emission standard Euro 6 BG/H/I

*2 For models with Euro 6 plus emission standard

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16BA-004080R0101



Accelerator pedal module, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine/motor control unit

- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine/motor control unit
- T3aj 3-pin connector, black
- T3ak 3-pin connector, black
- T6l 6-pin connector, black
- T91a 91-pin connector, black

131 Earth connection 2, in engine compartment wiring harness

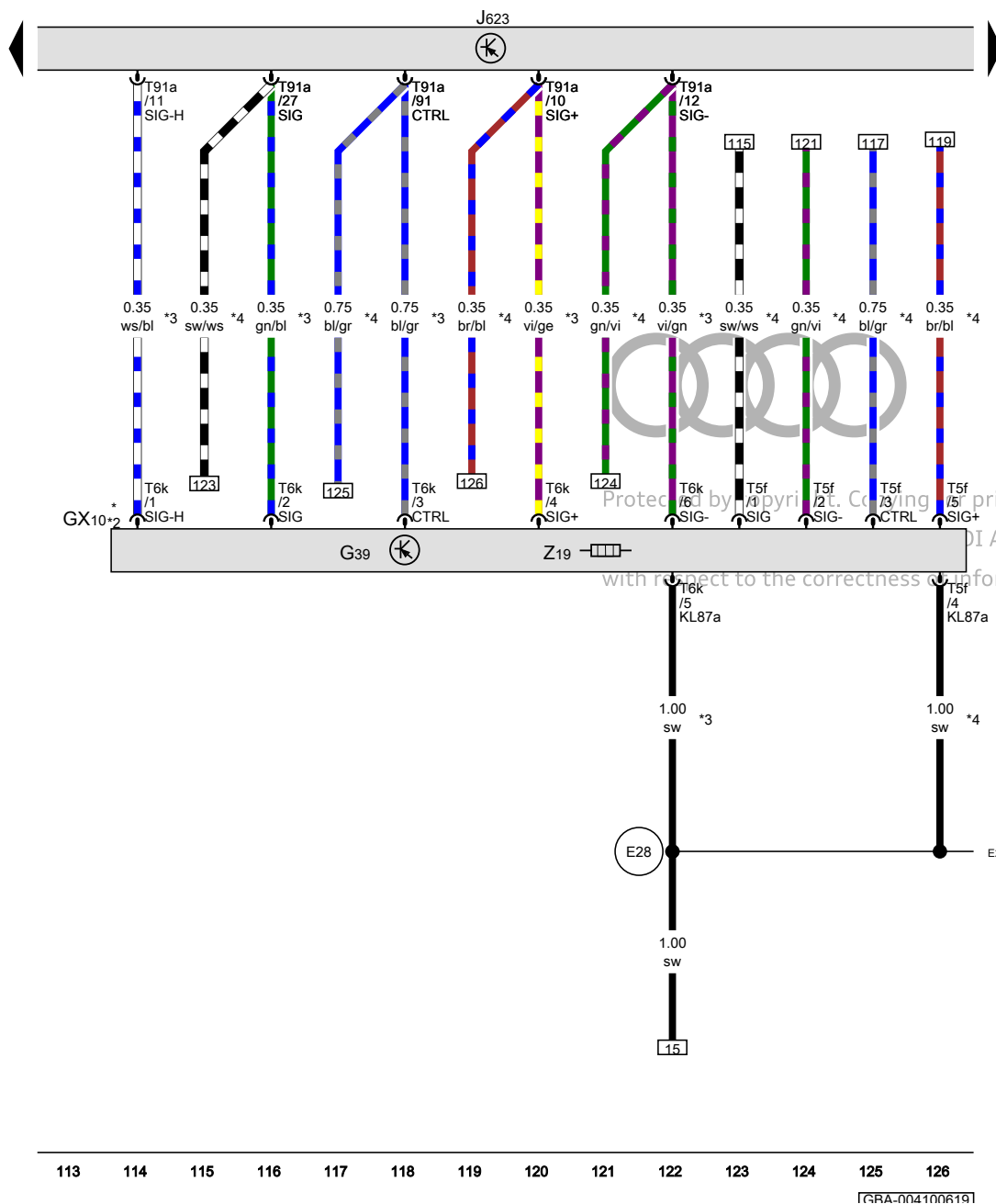
D106 Connection 4 in engine compartment wiring harness

* For emission standard Euro 6 BG/H/I

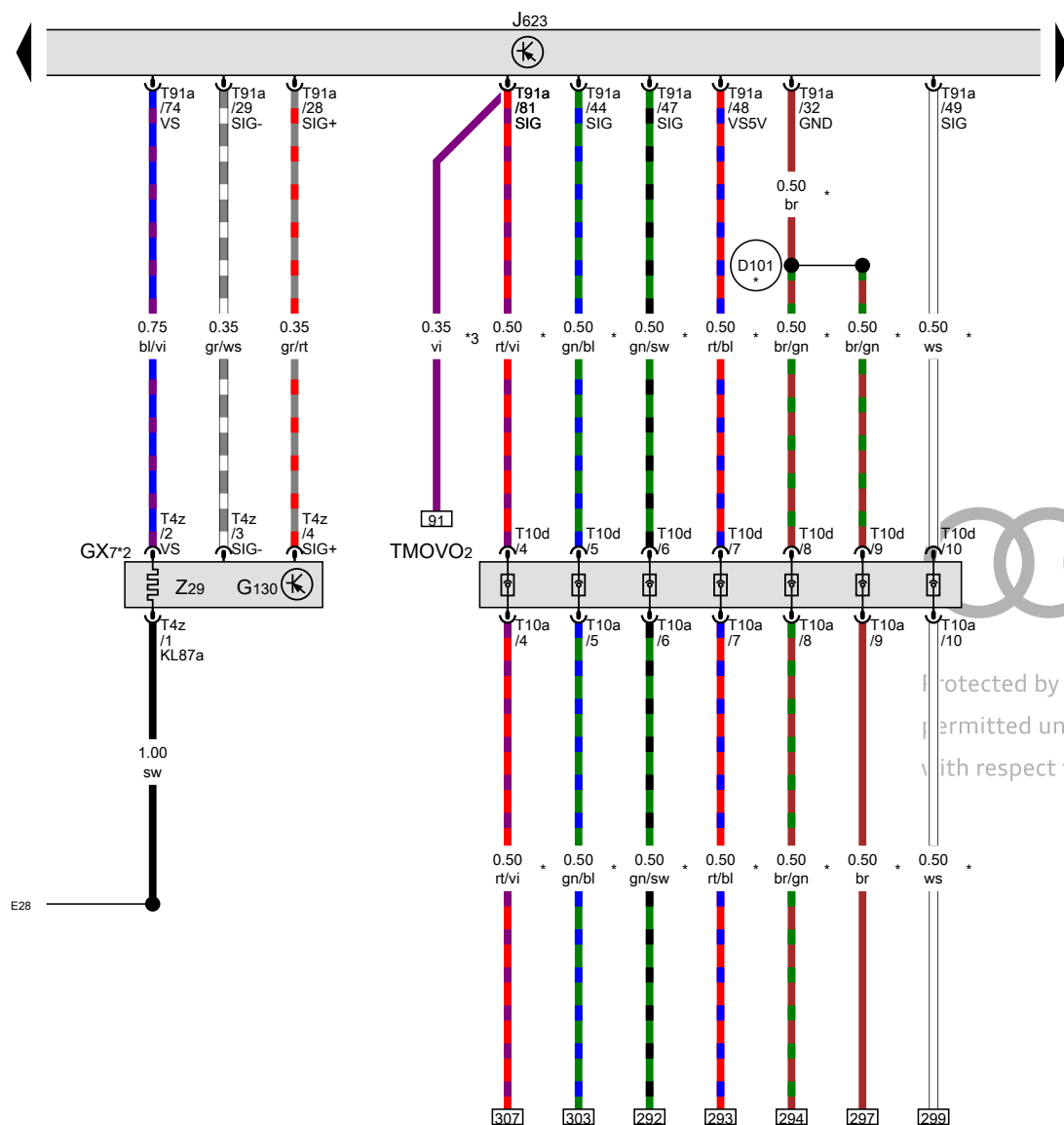
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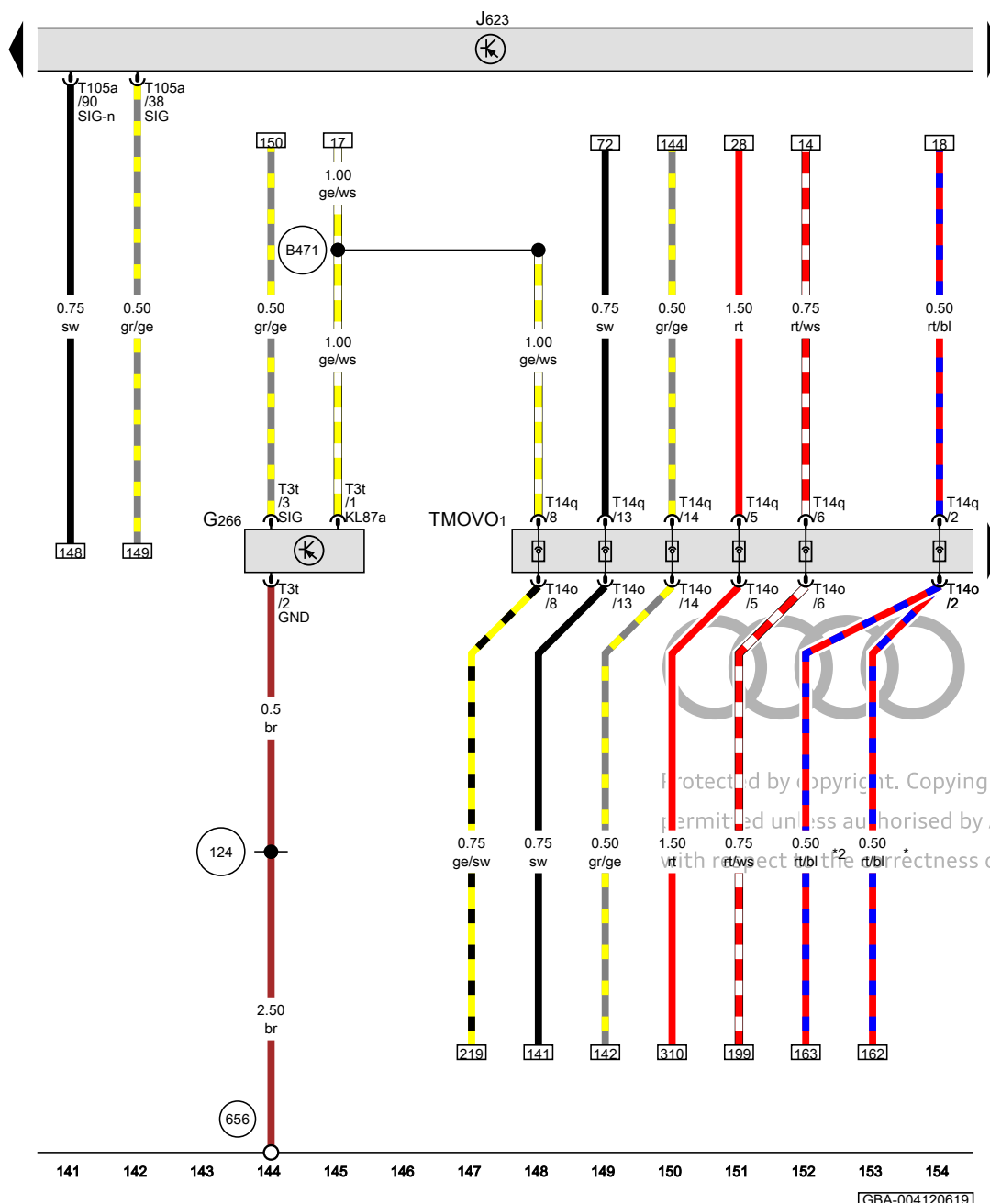
Lambda probe 1 before catalytic converter, Engine/motor control unit



- GX10 Lambda probe 1 before catalytic converter
- G39 Lambda probe
- J623 Engine/motor control unit
- T5f 5-pin connector, grey
- T6k 6-pin connector, black
- T91a 91-pin connector, black
- Z19 Lambda probe heater
- E28 Connection (Lambda probe heating), in Motronic wiring harness
- * According to equipment
- *2 Pre-wired component
- *3 For emission standard Euro 6 BG/H/I
- *4 For models with Euro 6 plus emission standard



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Oil level and oil temperature sender, Engine/motor control unit

- G266 Oil level and oil temperature sender
- J623 Engine/motor control unit
- T3t 3-pin connector, black
- T14o 14-pin connector, grey
- T14q 14-pin connector, grey
- T105a 105-pin connector, black

TMOVO1 Coupling point 1 for engine prewiring harness

124 Earth connection, in right side engine compartment wiring harness

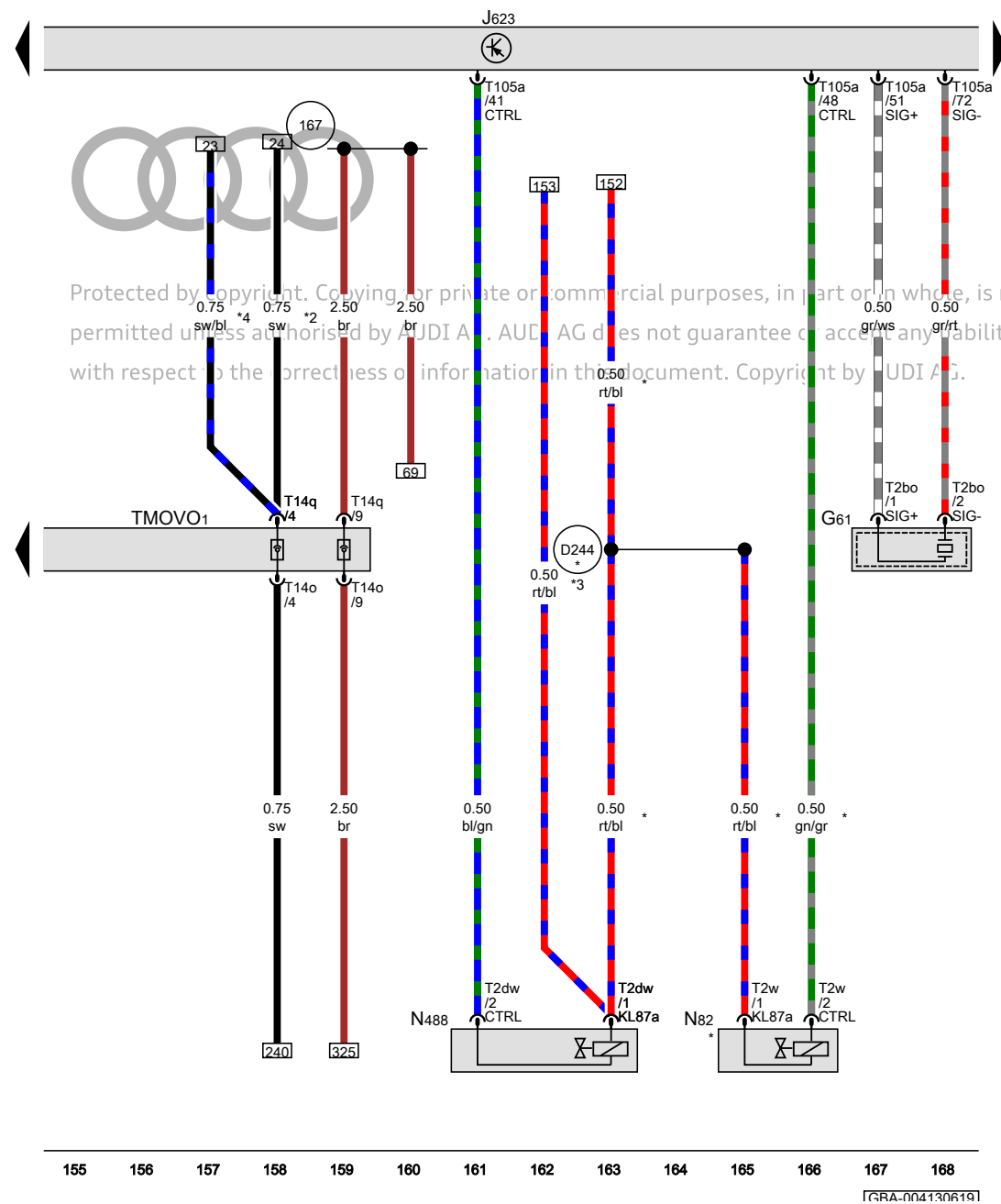
656 Earth point, on right headlight

B471 Connection 7, in main wiring harness

* For emission standard Euro 6 BG/H/I

*2 For models with Euro 6 plus emission standard

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Knock sensor 1, Engine/motor control unit, Coolant shut-off valve, Coolant valve for gearbox

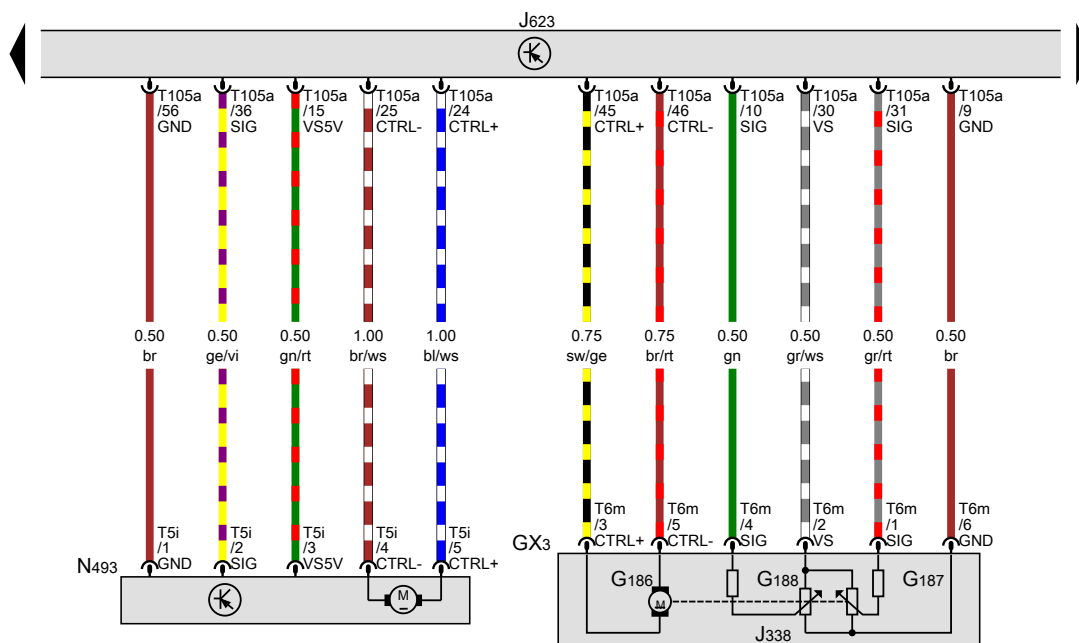
- G61 Knock sensor 1
- J623 Engine/motor control unit
- N82 Coolant shut-off valve
- N488 Coolant valve for gearbox
- T2bo 2-pin connector, black
- T2dw 2-pin connector, black
- T2w 2-pin connector, black
- T14o 14-pin connector, grey
- T14q 14-pin connector, grey
- T105a 105-pin connector, black
- TMOVO1 Coupling point 1 for engine prewiring harness

167 Earth connection 4, in engine compartment wiring harness

D244 Connection 5 (87a) in engine prewiring harness

- * For models with Euro 6 plus emission standard
- *2 Up to July 2019
- *3 For emission standard Euro 6 BG/H/I
- *4 From July 2019

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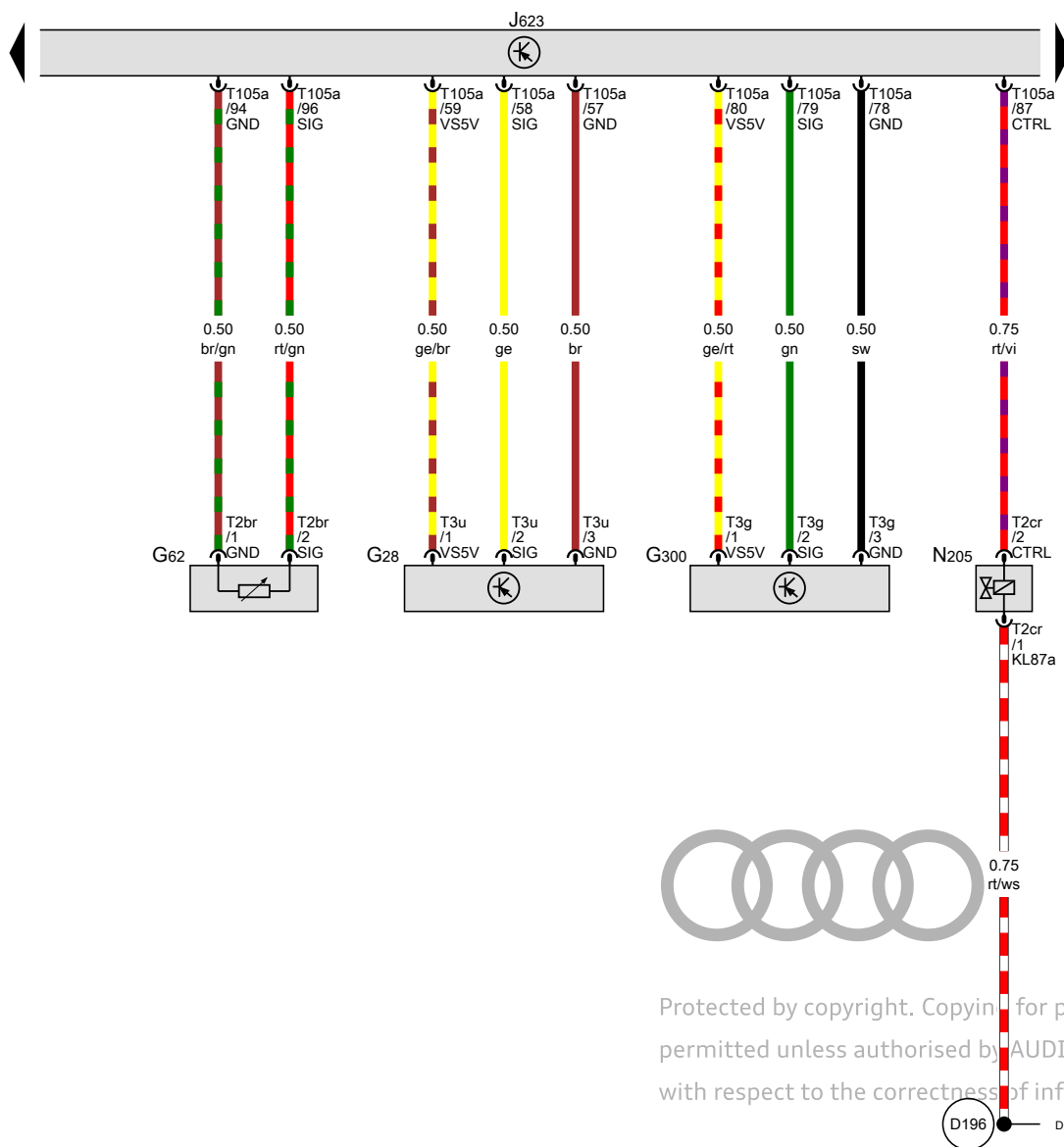
Throttle valve module, Engine/motor control unit, Actuator for engine temperature regulation

- GX3 Throttle valve module
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine/motor control unit
- N493 Actuator for engine temperature regulation
- T5i 5-pin connector, black
- T6m 6-pin connector, black
- T105a 105-pin connector, black



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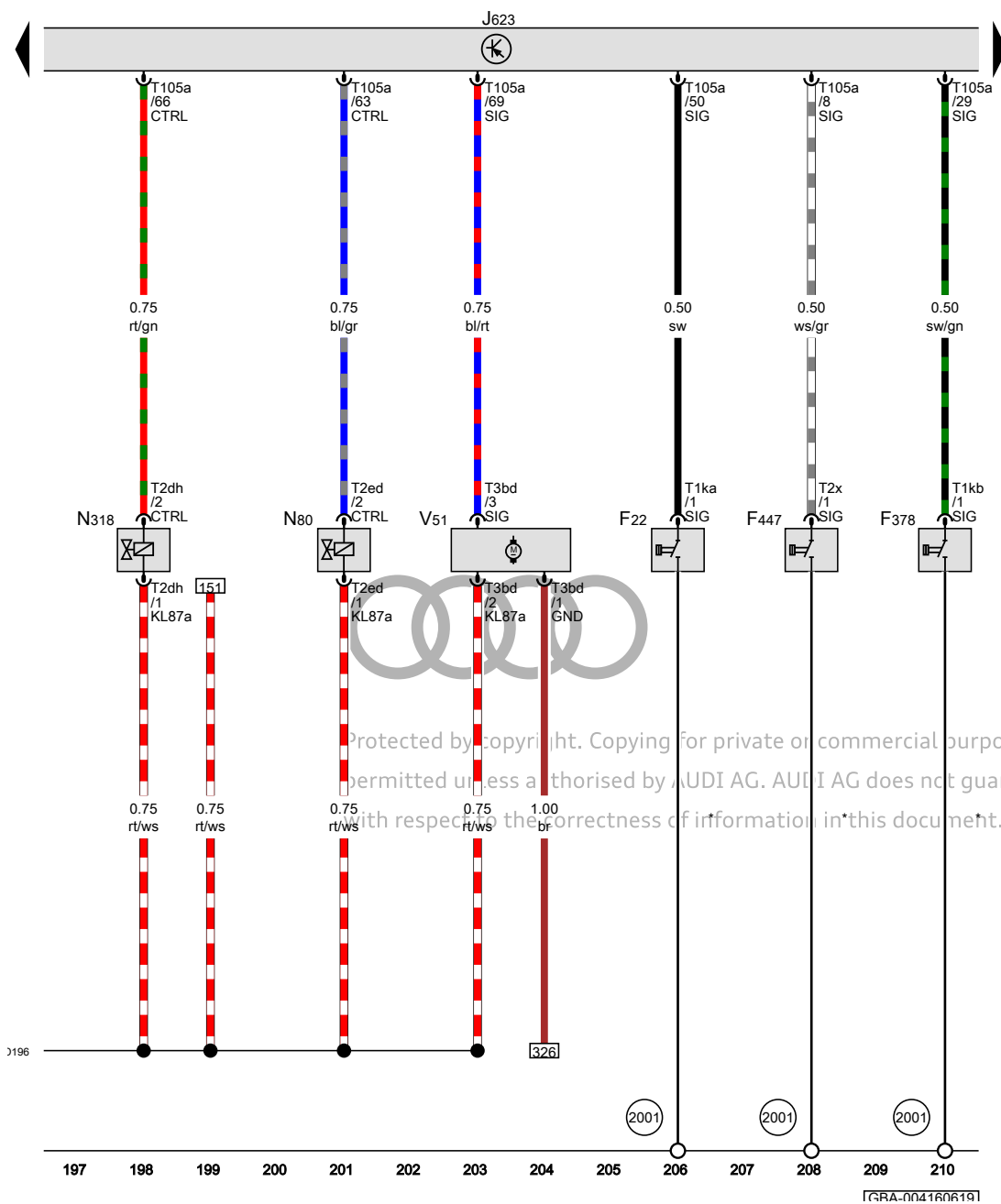
Engine speed sender, Coolant temperature sender, Hall sender 3, Engine/motor control unit, Camshaft control valve 1

- G28 Engine speed sender
- G62 Coolant temperature sender
- G300 Hall sender 3
- J623 Engine/motor control unit
- N205 Camshaft control valve 1
- T2br 2-pin connector, black
- T2cr 2-pin connector, black
- T3g 3-pin connector, black
- T3u 3-pin connector, black
- T105a 105-pin connector, black

D196 Connection 2 (87a) in engine prewiring harness



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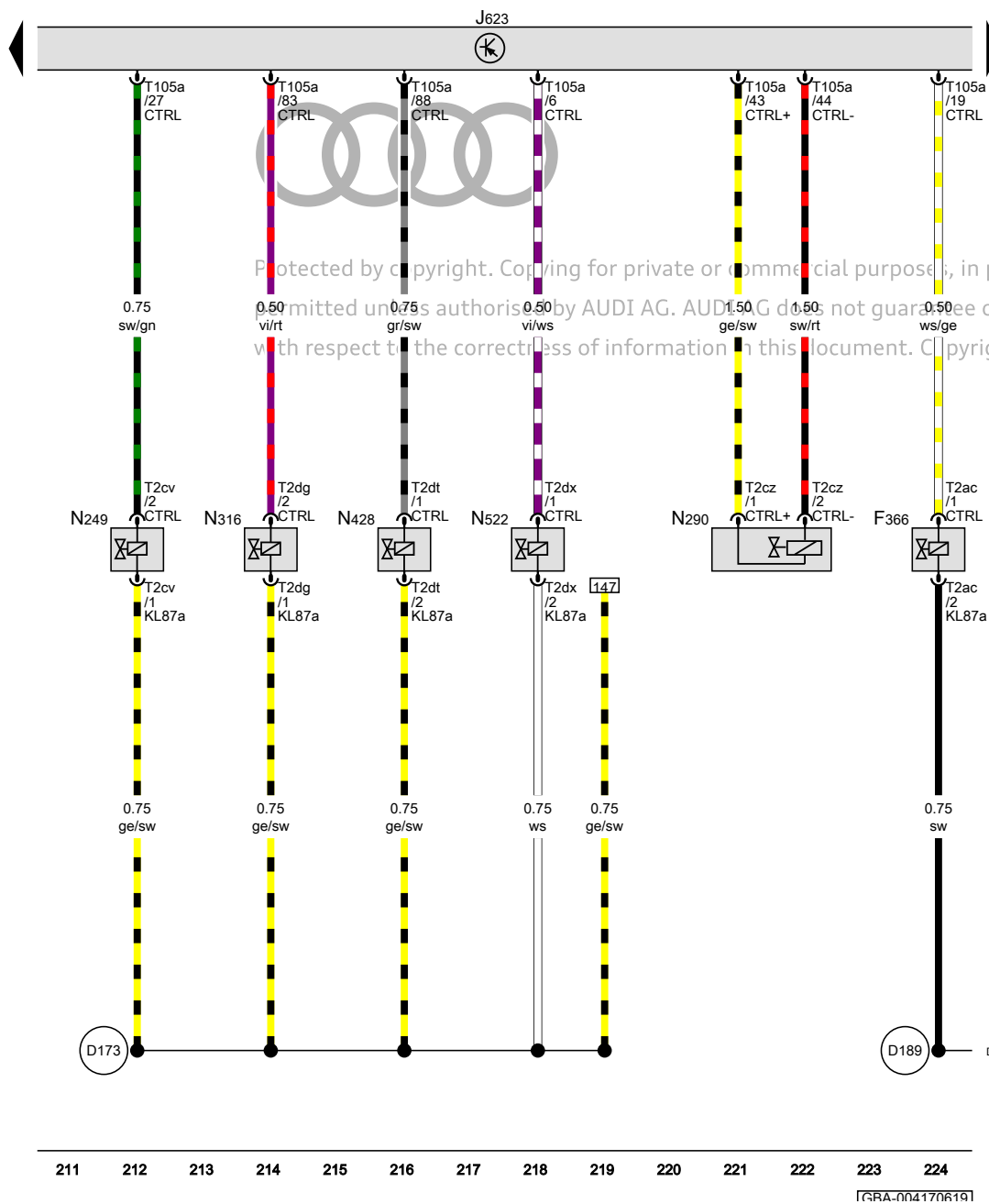
Oil pressure switch, Oil pressure switch for reduced oil pressure, Stage 3 oil pressure switch, Engine/motor control unit, Activated charcoal filter solenoid valve 1, Exhaust camshaft control valve 1, Continued coolant circulation pump

- F22 Oil pressure switch
- F378 Oil pressure switch for reduced oil pressure
- F447 Stage 3 oil pressure switch
- J623 Engine/motor control unit
- N80 Activated charcoal filter solenoid valve 1
- N318 Exhaust camshaft control valve 1
- T1ka 1-pin connector, dark blue
- T1kb 1-pin connector, black
- T2dh 2-pin connector, black
- T2ed 2-pin connector, black
- T2x 2-pin connector, black
- T3bd 3-pin connector, black
- T105a 105-pin connector, black
- V51 Continued coolant circulation pump

2001 Housing earth

D196 Connection 2 (87a) in engine prewiring harness

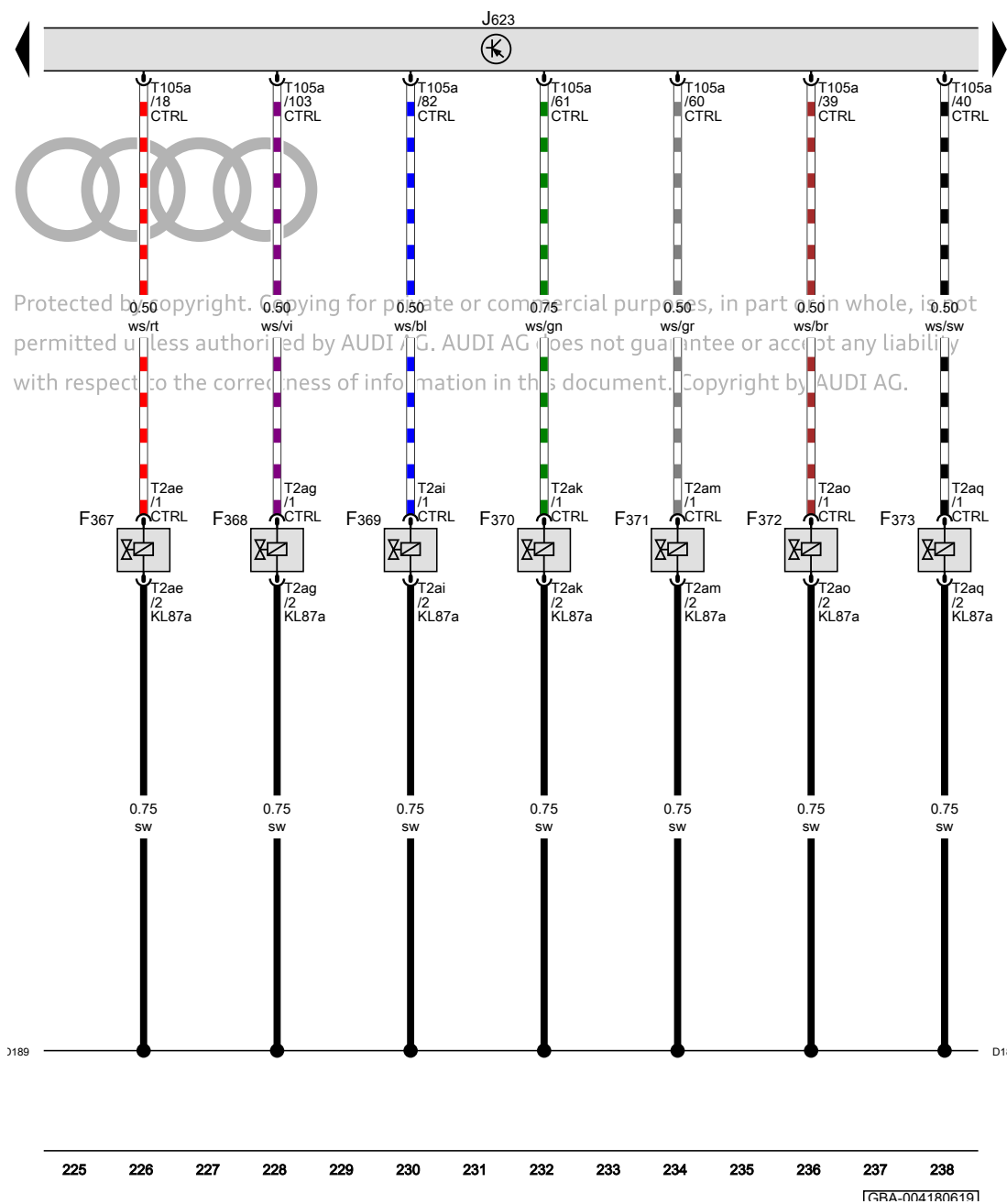
* Earth supply via housing



Cam adjustment actuator 1, Engine/motor control unit, Turbocharger air recirculation valve, Fuel metering valve, Intake manifold flap valve, Valve for oil pressure control, Piston cooling jet control valve

- F366 Cam adjustment actuator 1
- J623 Engine/motor control unit
- N249 Turbocharger air recirculation valve
- N290 Fuel metering valve
- N316 Intake manifold flap valve
- N428 Valve for oil pressure control
- N522 Piston cooling jet control valve
- T2ac 2-pin connector, black
- T2cv 2-pin connector, black
- T2cz 2-pin connector, black
- T2dg 2-pin connector, black
- T2dt 2-pin connector, black
- T2dx 2-pin connector, black
- T105a 105-pin connector, black
- D173 Connection (87), in engine prewiring harness
- D189 Connection (87a) in engine prewiring harness

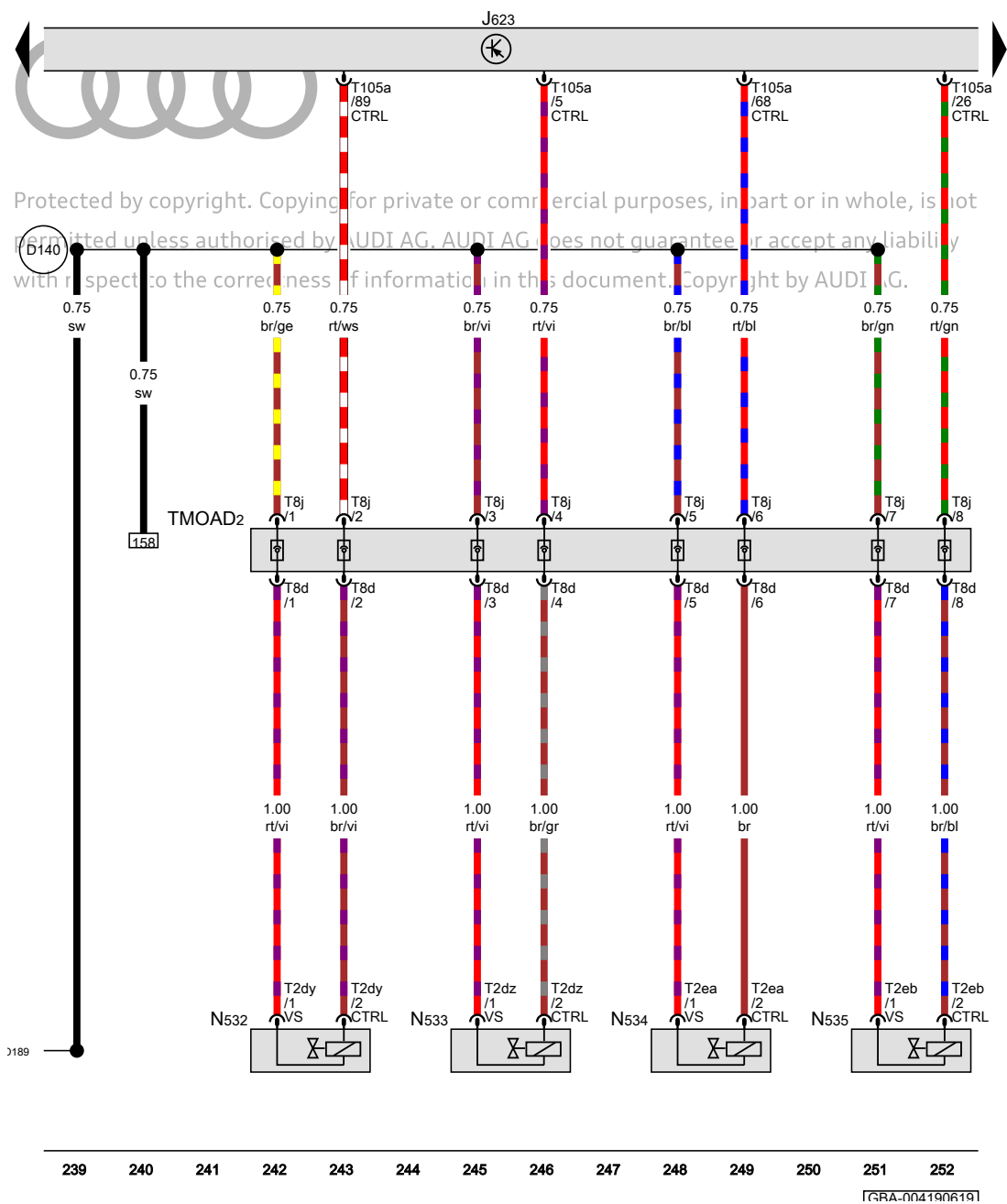
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Cam adjustment actuator 2, Cam adjustment actuator 3,
Cam adjustment actuator 4, Cam adjustment actuator 5,
Cam adjustment actuator 6, Cam adjustment actuator 7,
Cam adjustment actuator 8, Engine/motor control unit

- F367 Cam adjustment actuator 2
- F368 Cam adjustment actuator 3
- F369 Cam adjustment actuator 4
- F370 Cam adjustment actuator 5
- F371 Cam adjustment actuator 6
- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- J623 Engine/motor control unit
- T2ae 2-pin connector, black
- T2ag 2-pin connector, black
- T2ai 2-pin connector, black
- T2ak 2-pin connector, black
- T2am 2-pin connector, black
- T2ao 2-pin connector, black
- T2aq 2-pin connector, black
- T105a 105-pin connector, black

D189 Connection (87a) in engine prewiring harness



Engine/motor control unit, Injector 2, cylinder 1, Injector 2, cylinder 2, Injector 2, cylinder 3, Injector 2, cylinder 4

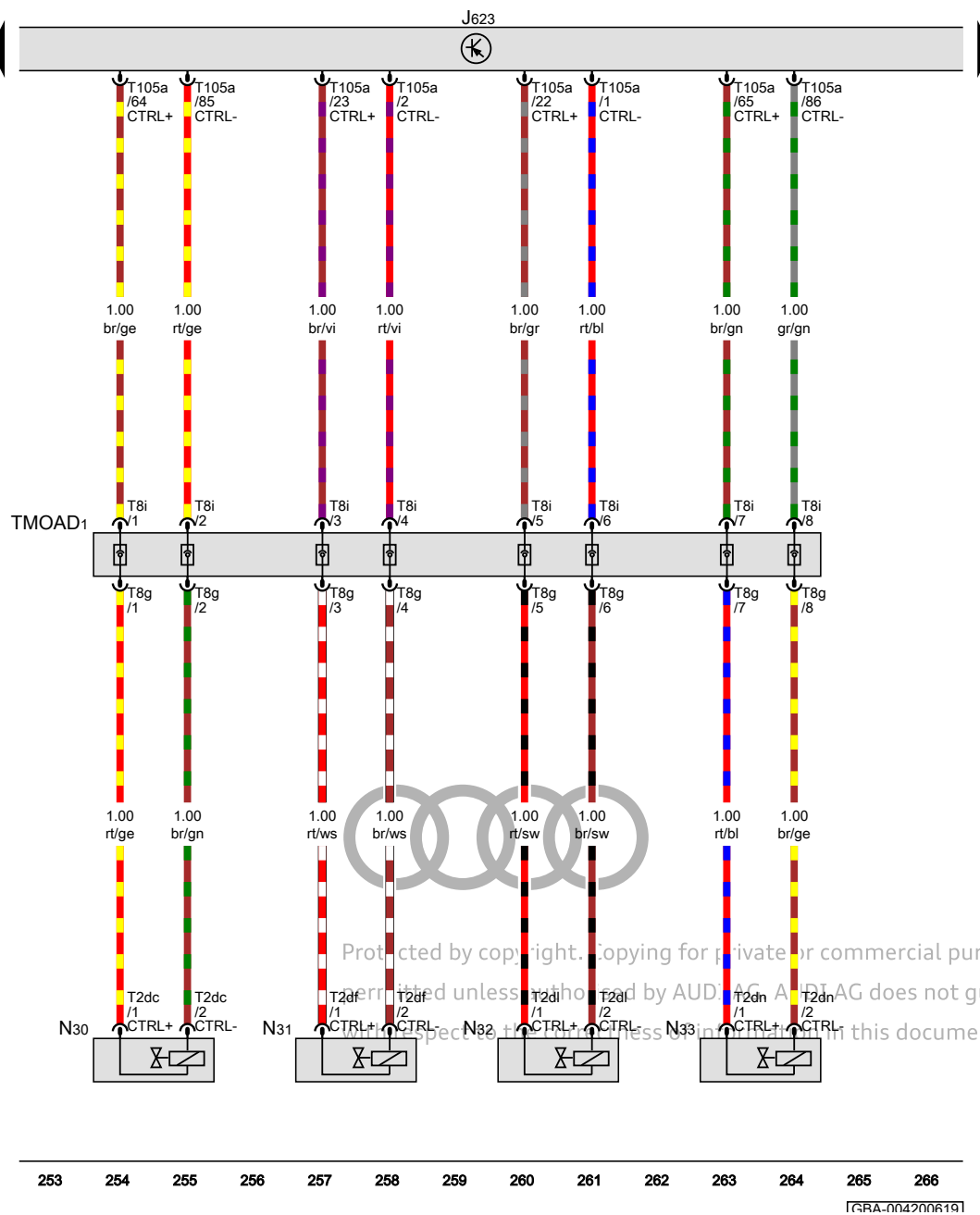
- J623 Engine/motor control unit
- N532 Injector 2, cylinder 1
- N533 Injector 2, cylinder 2
- N534 Injector 2, cylinder 3
- N535 Injector 2, cylinder 4
- T2dy 2-pin connector, black
- T2dz 2-pin connector, black
- T2ea 2-pin connector, black
- T2eb 2-pin connector, black
- T8d 8-pin connector, black
- T8j 8-pin connector, black
- T105a 105-pin connector, black
- TMOAD2 Coupling point 2 for engine prewiring harness, adapter wire

D140 Connection (injectors), in engine prewiring harness

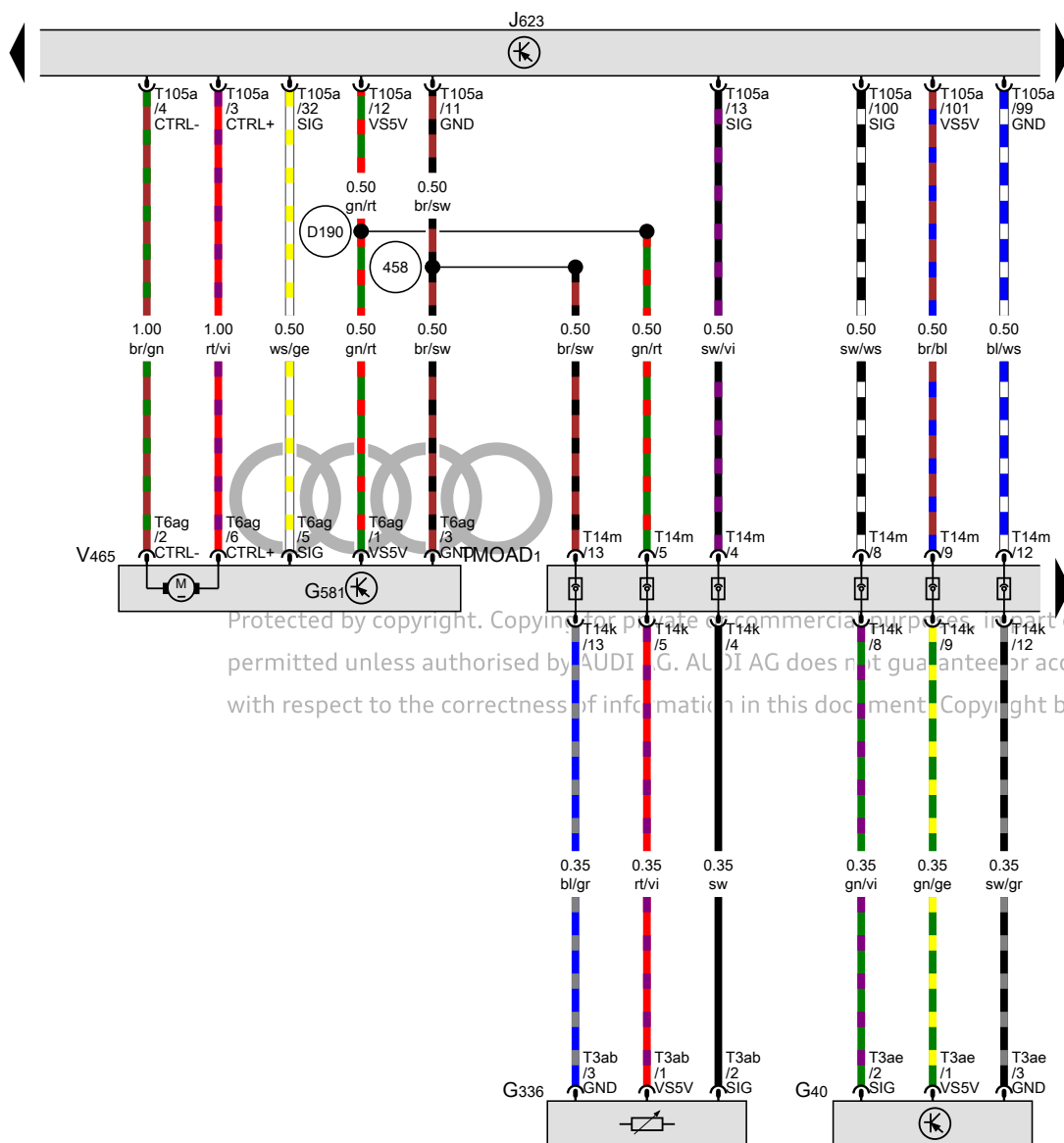
D189 Connection (87a) in engine prewiring harness

Engine/motor control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- J623 Engine/motor control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T2dc 2-pin connector, black
- T2df 2-pin connector, black
- T2dl 2-pin connector, black
- T2dn 2-pin connector, black
- T8g 8-pin connector, black
- T8i 8-pin connector, black
- T105a 105-pin connector, black
- TMOAD1 Coupling point 1 for engine prewiring harness, adapter wire



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Hall sender, Intake manifold flap potentiometer, Engine/motor control unit, Charge pressure positioner

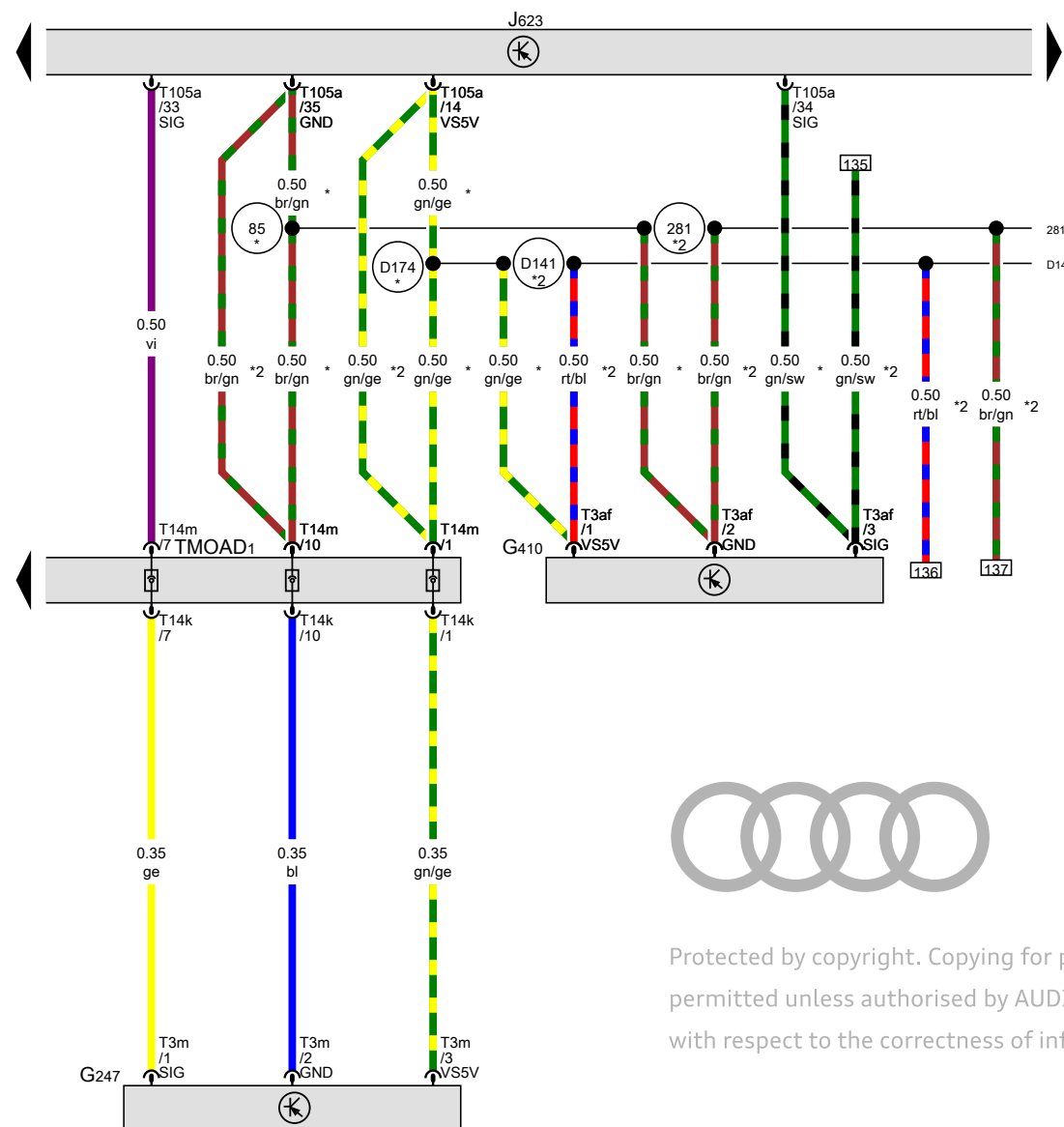
- G40 Hall sender
- G336 Intake manifold flap potentiometer
- G581 Position sender for charge pressure positioner
- J623 Engine/motor control unit
- T3ab 3-pin connector, black
- T3ae 3-pin connector, black
- T6ag 6-pin connector, black
- T14k 14-pin connector, black
- T14m 14-pin connector, black
- T105a 105-pin connector, black
- TMOAD1 Coupling point 1 for engine prewiring harness, adapter wire
- V465 Charge pressure positioner

458 Earth point 3, engine prewiring harness

D190 Connection 3 (5V) in engine prewiring harness

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Fuel pressure sender, Fuel pressure sender for low pressure, Engine/motor control unit

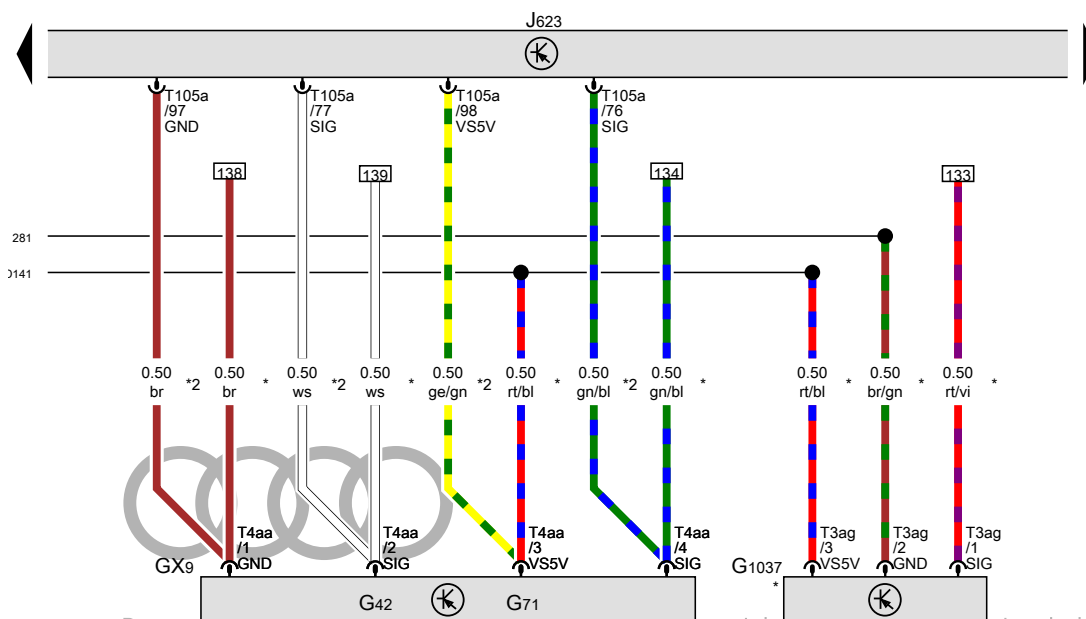
- G247 Fuel pressure sender
- G410 Fuel pressure sender for low pressure
- J623 Engine/motor control unit
- T3af 3-pin connector, black
- T3m 3-pin connector, black
- T14k 14-pin connector, black
- T14m 14-pin connector, black
- T105a 105-pin connector, black
- TMOAD1 Coupling point 1 for engine prewiring harness, adapter wire

- 85 Earth connection 1, in engine compartment wiring harness
- 281 Earth point 1, engine prewiring harness
- D141 Connection (5V) in engine prewiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- * For models with Euro 6 plus emission standard
- *2 For emission standard Euro 6 BG/H/I



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Intake manifold sender, Pressure differential sender for particulate filter, Engine/motor control unit

- GX9 Intake manifold sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G1037 Pressure differential sender for particulate filter
- J623 Engine/motor control unit
- T3ag 3-pin connector, black
- T4aa 4-pin connector, black
- T105a 105-pin connector, black

281 Earth point 1, engine prewiring harness

D141 Connection (5V) in engine prewiring harness

* For emission standard Euro 6 BG/H/I

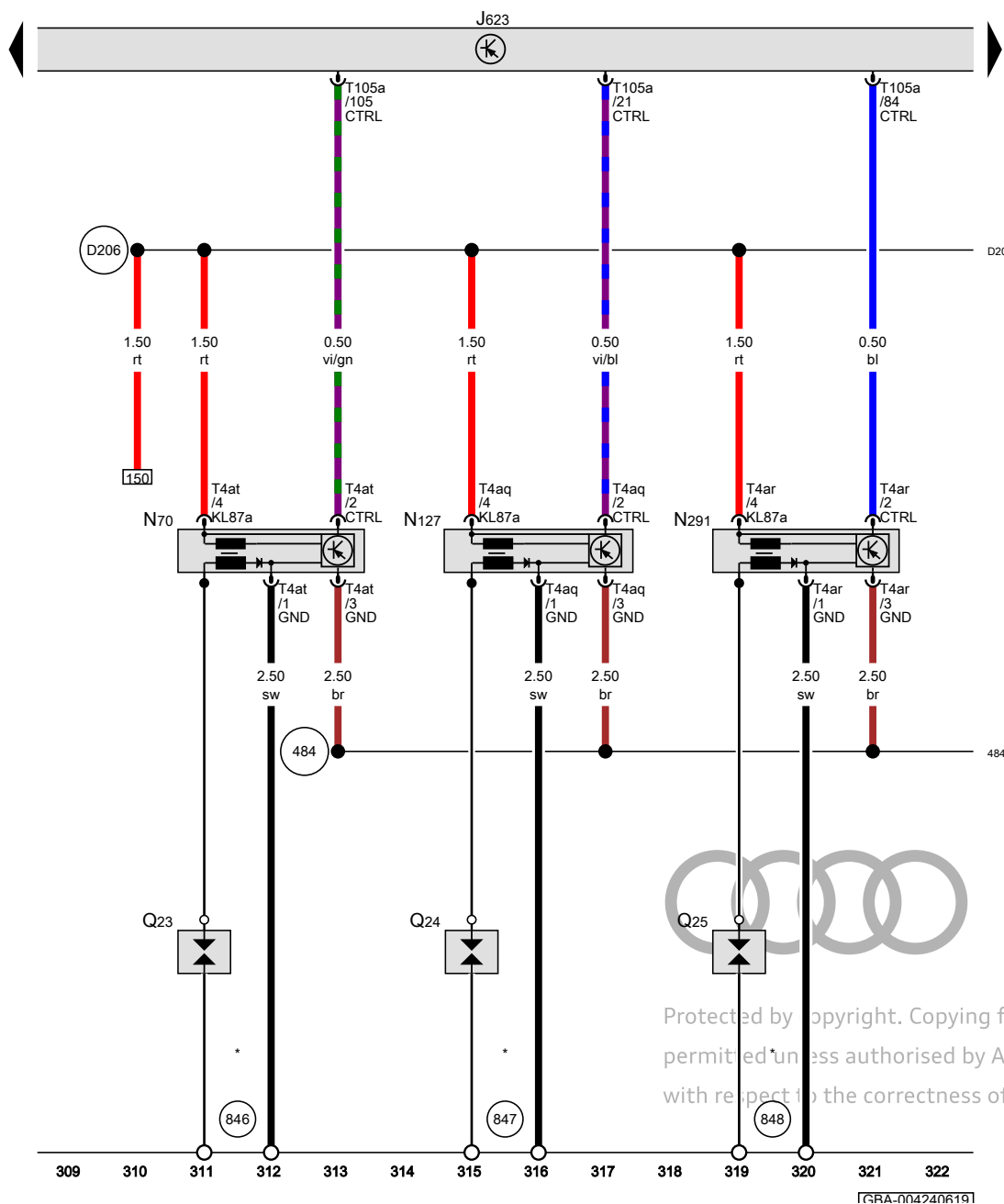
*2 For models with Euro 6 plus emission standard

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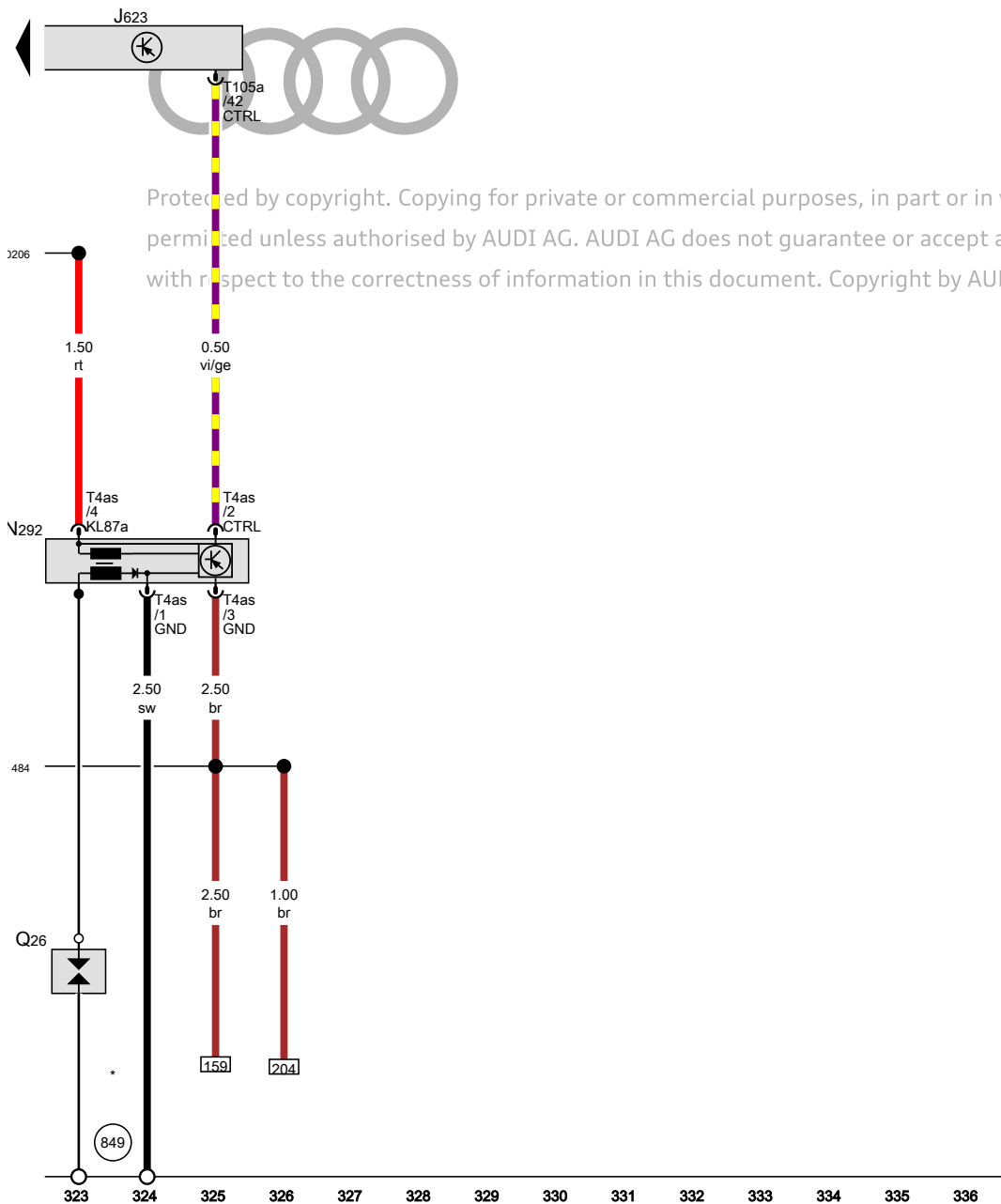
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Engine/motor control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Spark plug 1, Spark plug 2, Spark plug 3

- J623 Engine/motor control unit
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- Q23 Spark plug 1
- Q24 Spark plug 2
- Q25 Spark plug 3
- T4aq 4-pin connector, black
- T4ar 4-pin connector, black
- T4at 4-pin connector, black
- T105a 105-pin connector, black
- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- 846 Earth point on ignition coil 1
- 847 Earth point on ignition coil 2
- 848 Earth point on ignition coil 3
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing

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Engine/motor control unit, Ignition coil 4 with output stage, Spark plug 4

J623 Engine/motor control unit
 N292 Ignition coil 4 with output stage
 Q26 Spark plug 4
 T4as 4-pin connector, black
 T105a 105-pin connector, black

- 484 Earth connection 2 (ignition coils), in engine prewiring harness
- 849 Earth point on ignition coil 4
- D206 Connection 4 (87a) in engine prewiring harness
- * Earth supply via housing