

Wiring diagrams
R 1200 RT special vehicle (K52) US TSN 0A13 mit SA369
Stand Serie (EXW954)

Dateiname		SA
K59US_14_01	Lighting / turn indicators / horn	+SA369
K59US_14_02	Instrument panel	+SA369
K59US_14_03	Positive distribution/ground distribution/fuses	+SA369
K59US_14_04	Starter motor / alternator	+SA369
K59US_14_05	Digital engine electronics	+SA369
K59US_14_06	Antilock braking system (ABS)	+SA369
K59US_14_07	Alarm system (DWA)	+SA369 '+603/-417
K59US_14_08	Alarm system (DWA) / central locking system	+SA369 '+417
K59US_14_09	Heated grips	+SA369
K59US_14_10	Seat heating	+SA369 '+518
K59US_14_11	Windscreen	+SA369
K59US_14_12	Electronic suspension adjustment (ESA)	+SA369 '+191
K59US_14_13	Cruise control	+SA369 '+538
K59US_14_14	Tyre pressure monitor (RDC)	+SA369 '+530
K59US_14_15	Multifunction switch	+SA369
K59US_14_16	Navigation	+SA369 '+SA272
K59US_14_17	Power sockets / diagnostic connector / plug connection of optional accessories (OA) / plug connection of optional equipment / reading light	+SA369
K59US_14_18	Supply, control units	+SA369
K59US_14_19	Lock of radio box	+SA369 + SA245 '+SA369 + SA642
K59US_14_20	Top case lighting	+SA369
K59US_14_21	Sound signal / public address (PA)	+SA369 '+SA486, SA493, SA599
K59US_14_22	Flashing warning light	+SA369
K59US_14_23	Radio preparation / gun mount / right storage compartment lock	+SA369

Legend for wiring diagrams R 1200 RT special vehicle (K52)

A

A66 Tyre pressure control (RDC) control unit

A66*1B Plug connection control unit tyre pressure control (RDC)

A71 Instrument panel control unit

A71*1B Instrument panel plug connection

A198 Navigation system

A198*1B Plug connection navigation system

A198*1S Plug connection navigation system

A240 Digital Engine Electronics (DME) control unit

A240*1B Plug connection control unit digital engine electronics (DME)

A240*2B Plug connection 2 control unit Digital Engine Electronics (DME)

A260 Control unit for antilock braking system (ABS)

A260*1B Plug connection control unit antilock brake system (ABS)

A261 Basic module (GM) control unit

A261*1B Plug connection of general module (GM) control unit

A263 Control unit for alarm system (DWA)

A263*1B Plug connection control unit alarm system (DWA)

A263*2B Plug connection 2 control unit alarm system (DWA)

A284 Electronic suspension adjustment control unit

A284*1B Electronic chassis adjustment control unit plug connection

A289 Basic module satellite (GMS) control unit

A289*1B Plug connection control unit basic module satellite (GMS)

A362 Basic module special vehicle (GMSF)

A362*1B Plug connection basic module special vehicle (GMSF)

A380 Radio unit

A380*1S Plug connection for radio transceiver

A381 Rear flashing warning light

A381*1S Plug connection for rear flashing warning light

B

B56 Outside temperature sensor

B56*1B Outside temperature sensor plug connection

B90 Coolant temperature sensor

B90*1B Coolant temperature sensor plug connection

B232 Fuel pressure sensor

B232*1B Fuel sensor plug connection

B281 Camshaft sensor

B281*1B Camshaft sensor plug connection

B284 Intake air temperature sensor

B284*1B Intake air temperature sensor plug connection

B285 Shift-lever sensor

B285*1B Plug connection, shift lever sensor

B286 Gear selector sensor

B286*1B Transmission position sensor plug connection

B304 Ride height sensor, front

B304*1B Plug connection ride height sensor, front

B305 Ride height sensor, rear

B305*1B Plug connection ride height sensor, rear

B307 Wheel speed sensor, front

B308 Wheel speed sensor, rear

B334 Oxygen sensor 1

B334*1B Oxygen sensor 1 plug connection

B335 Oxygen sensor 2

B335*1B Oxygen sensor 2 plug connection

B341 Left speaker

B341*2B Plug connection speaker left

B342 Right speaker

B342*2B Plug connection speaker right

B386 Fuel level sensor

B432 Crankshaft sensor

B442 Oil level switch

B442*1B Oil level switch plug connection

E

E2* Parking light / daytime riding light, left

E3* Parking light / daytime riding light, right

E19 Seat heating, front

E127 Front left turn indicator

E128 Front right turn indicator

E208 Headlights

E208*1B Headlight plug connection

E209 Rear left turn indicator

E210 Rear right turn indicator

E211 Rear light

E211*1B Rear light plug connection

E212 Additional headlights

E212*1B Additional headlights plug connection

E213 Additional headlights 2

E213*1B Additional headlights 2 plug connection

E214 Ring aerial

E215 Heated grip, left

E215*1B Left heated grip plug connection

E216 Heated grip, right

E216*1B Right heated grip plug connection

E271 Flashing warning light, front left

E272 Flashing warning light, front right

E273 Flashing warning light, left rear

E274 Flashing warning light, right rear

E9358 Reading light

G

G1 Battery

G2 Alternator

G2*1B Alternator plug connection

G6 Auxiliary battery

H

H4 Horn

H4*1B Horn plug connection

H7 Audio signal system, left

H7*1B Plug connection audio signal system, left

H8 Audio signal system, right

H8*1B Plug connection audio signal system, right

H9358 Topcase interior lamp

K

K14 Main relay

K14*1B Main relay socket

K22 Starter relay

K22*1B Starter relay plug connection

K22*2B Term. 45 starter relay plug connection

K22*3B Term. 30 starter relay plug connection

K25 Relay auxiliary battery

K25*1B Relay base, auxiliary battery relay

K67 Lock relay, radio transceiver box

K67*1B Relay base, lock relay, radio transceiver box

K73 Radio transceiver relay 2

K73_1 Radio transceiver relay

K73*1B Relay socket for radio transceiver

M

M14 Electric fuel pump

M14*1B Electric fuel pump plug connection

M87 Fan

M87*1B Fan plug connection

M249 Starter motor

M249*1B Starter plug connection

M258 Spring preload adjustment, rear

M258*1B Rear spring reload adjustment plug connection

M269 Case central locking drive, left

M269 *1B plug connection for pannier central locking drive, left

M270 Case central locking drive, right

M270 *1B plug connection for pannier central locking drive, right

M271 *1B plug connection for storage compartment central locking drive, left

M272 Storage compartment central locking drive, right

M322 Engine lock, radio transceiver box

M322*1B Plug connection for engine lock radio transceiver box

M9749 Topcase central locking drive

R

R12 Resistance

N

N14 Rectifier

N14*1B Rectifier plug connection

S

S7 Multi-Controller

S50 Clutch switch

S50*1B Clutch switch plug connection

S174 Ignition lock / electronic immobiliser (EWS)

S174*1B Ignition lock / electronic immobiliser plug connection

S175 Multifunction switch, left

S175*1B Left multifunction switch plug connection

S176 Right instrument panel switch

S176*1B Right multifunction switch plug connection

S177 Throttle grip sensor

S177*1B Throttle grip sensor plug connection

S187 Switch, special vehicle, left

S187*1B Plug connection switch special vehicle, left

S188 Switch, special vehicle, right

S188*1B Plug connection switch special vehicle, right

S204 Side-stand switch

S221 Switch lock radio transceiver box

S221*1B Plug connection switch lock radio transceiver box

S9059 Topcase interior light switch

T

T8 Ignition coil 1

T8*1B Ignition coil 1 plug connection

T9 Ignition coil 2

T9*1B Ignition coil 2 plug connection

X

X41*1V Cable connector

X64 Multi-Controller plug connection

X94*1B Fuel level sensor plug connection

X97*1B Socket plug connection

X98*1B Plug connection power socket 2

X99* Plug connection, parking light / daytime riding light, left

X100* Plug connection, parking light / daytime riding light, right

X106*1V Cable connector

X107*1V Cable connector

X116*1V Cable connector

X150*1B Plug connection lock radio transceiver box

X150*1S Plug connection lock radio transceiver box

X161*1V Cable connector

X307*1V Cable connector

X307*2V Cable connector

X308*1V Cable connector

X311*1V Cable connector

X312*1V Cable connector

X329*1V Cable connector

X500*1V Cable connector

X506*1V Cable connector

X507*1V Cable connector

X703*1B Crankshaft sensor plug connection

X729*1B Front left turn indicator plug connection

X730*1B Front right turn indicator plug connection

X733*2B Plug connection, side-stand switch

X735*1B Front wheel speed sensor plug connection

X735*1S Front wheel speed sensor plug connection

X736*1B Rear wheel speed sensor plug connection

X736*1S Rear wheel speed sensor plug connection

X738*1B Battery plus

X739*1B Battery ground

X740*1B Optional accessories plug connection

X740*1S Optional accessories plug connection

X744*1V Cable connector

X746*1V Cable connector

X747*1S Diagnostic connector

X748*1B front seat heating plug connection

X748*1B front seat heating plug connection

X752*1V Cable connector

X753*1V Cable connector

X753*2V Cable connector

X754*1V Cable connector

X754*2V Cable connector

X755*1V Cable connector

X755*2V Cable connector

X756*1V Cable connector

X756*2V Cable connector

X865*1B Plug connection radio

X865*1S Plug connection radio

X869*1B Plus auxiliary battery

X870*1B GND auxiliary battery

X876*1B Plug connection audio signal system

X876*1S Plug connection audio signal system

X877*1B Plug connection flashing warning light, front left

X877*1S Plug connection flashing warning light, front left

X878*1B Plug connection flashing warning light, front right

X878*1S Plug connection flashing warning light, front right

X884*1S Plug connection, optional equipment 1

X885*1S Plug connection, optional equipment 3

X9058 Plug connection for brake light 2

X9059 Plug connection for topcase interior light switch

X9358 Topcase interior light plug connection -

X9395B Plug connection for rear seat backrest heater

X959*1B Plug connection central locking system

X959*1S Plug connection central locking system

X960*1B Plug connection topcase

X960*1S Plug connection topcase

X965*1V Cable connector

X966*1V Cable connector

X967*1B front seat heating plug connection

X967*1B front seat heating plug connection

X9749 Plug connection for topcase central locking drive

X983*2V Cable connector

X984*2V Cable connector

X1273*1V Cable connector

X1368*1V Cable connector

X1427*1V Cable connector

X1441*1V Cable connector

X1457*1V Cable connector

X1458*1V Cable connector

X1465*1B Additional headlights 2 plug connection

X1465*1S Plug connection additional headlights 2

X1466*1B Additional headlights plug connection

X1466*1S Additional headlights plug connection

X1478*1V Cable connector

X1479*1V Cable connector

X1711*1S Plug connection, optional equipment 2

X1712*1S Plug connection for radar

X1713*1B Plug connection 1 for side-stand switch

X1714*1S Plug connection 2 for side-stand switch

X1715*1S Plug connection, helmet headset

X1716*1B Plug connection, gun mount

X1717 *1B plug connection for storage compartment central locking drive, right

X1718*1B Plug connection, reading light

X1719*1V Cable connector

X1720*1V Cable connector

X1721*1V Cable connector

X1722*1V Cable connector

X1796*1B Auxiliary battery plug connection

X1796*1S Auxiliary battery plug connection

X9951 Cable connector

Y

Y42 Exhaust flap servomotor

Y42*1B Exhaust flap servomotor plug connection

Y93 Windscreen adjustment

Y93*1B Plug connection windscreen adjustment

Y95 Throttle valve actuator motor 1

Y95*1B Throttle valve actuator motor 1 plug connection

Y96 Throttle valve actuator motor 2

Y96*1B Throttle valve actuator motor 2 plug connection

Y107 Rebound / compression adjustment, front

Y107*1B Front rebound / compression adjustment plug connection

Y108 Rebound / compression adjustment, rear

Y108*1B Rear rebound / compression adjustment plug connection

Y178 Fuel injector 1

Y178*1B Fuel injector 1 plug connection

Y179 Injection valve 2

Y179*1B Fuel injector 2 plug connection

Y193 Tank vent valve

Y193*1B Tank vent valve plug connection

Z

Z10*1B Ground

Z17 Fuse carrier 1

Z17*1B Fuse carrier 1 plug connection

Z24*1B Ignition coil ground

Z25*1B Ignition coil 2 ground

Z27 Fuse carrier

Z27*1B Plug connection fuse carrier

Z28 Fuse carrier

Z28*1B Plug connection fuse carrier

Z28*2B Plug connection fuse carrier

Cable colour abbreviations:

BL = blue

BR = brown

GE = yellow

GN = green

GR = grey

OR = orange

RT = red

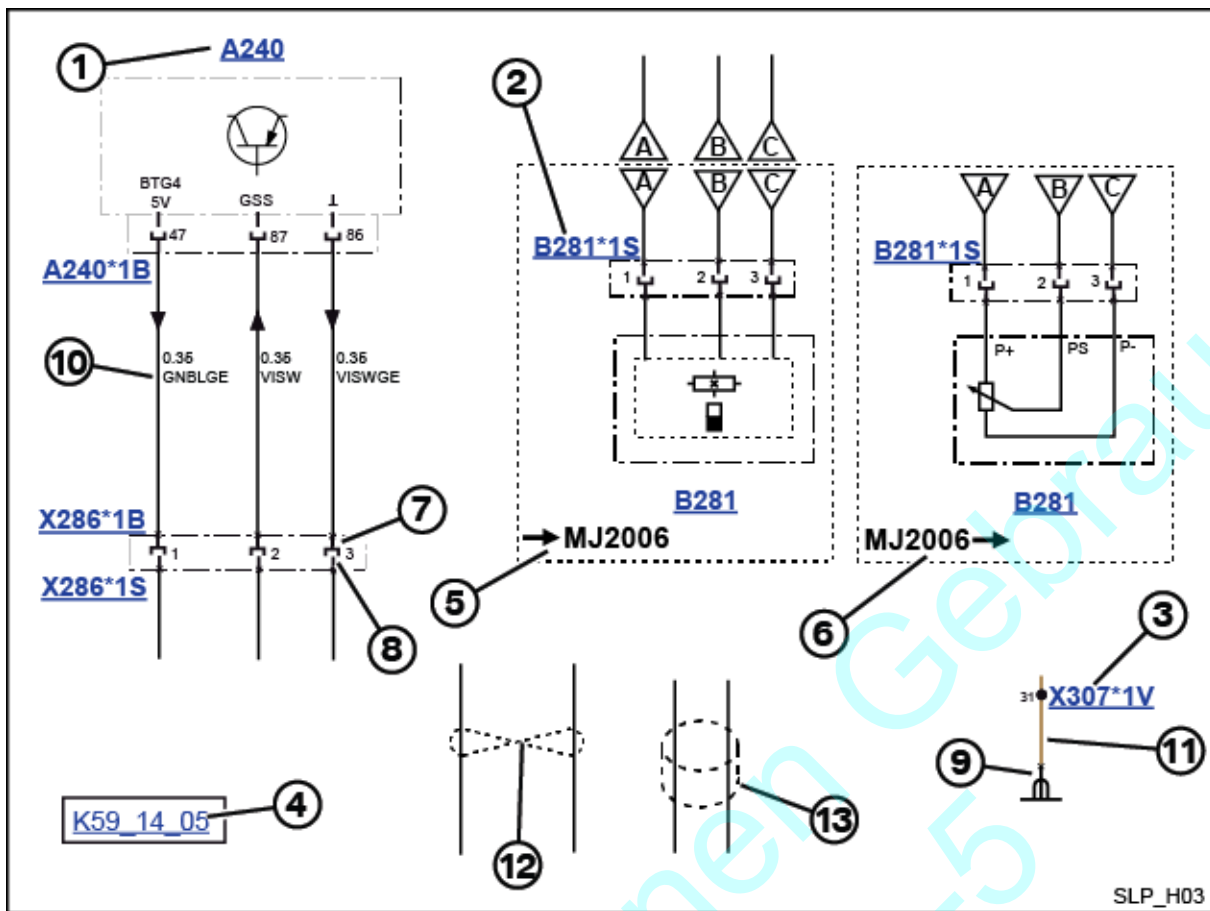
SW = black

TR = transparent

VI = violet

WS = white

RS = pink



1. Component code for part

- Display of part designation
- Hyperlink to further documentation e.g. component images, installation positions ...

2. Component code for plug connection

- Display of plug connection designation
- Hyperlink to further documentation e.g. plug images, installation positions ...

3. Component code for cable connectors

- Display of cable connectors designation
- Hyperlink to further documentation e.g. overview of cable connectors ...

4. Information on wiring diagram

- Display of wiring diagram designation
- Hyperlink to further documentation e.g. wiring diagram keys

5. Versions up to model year 2006

6. Versions as of model year 2006

7. Bushing contact plug connection

8. Pin contact plug connection
9. Screw connection e.g. ground
10. Wire information

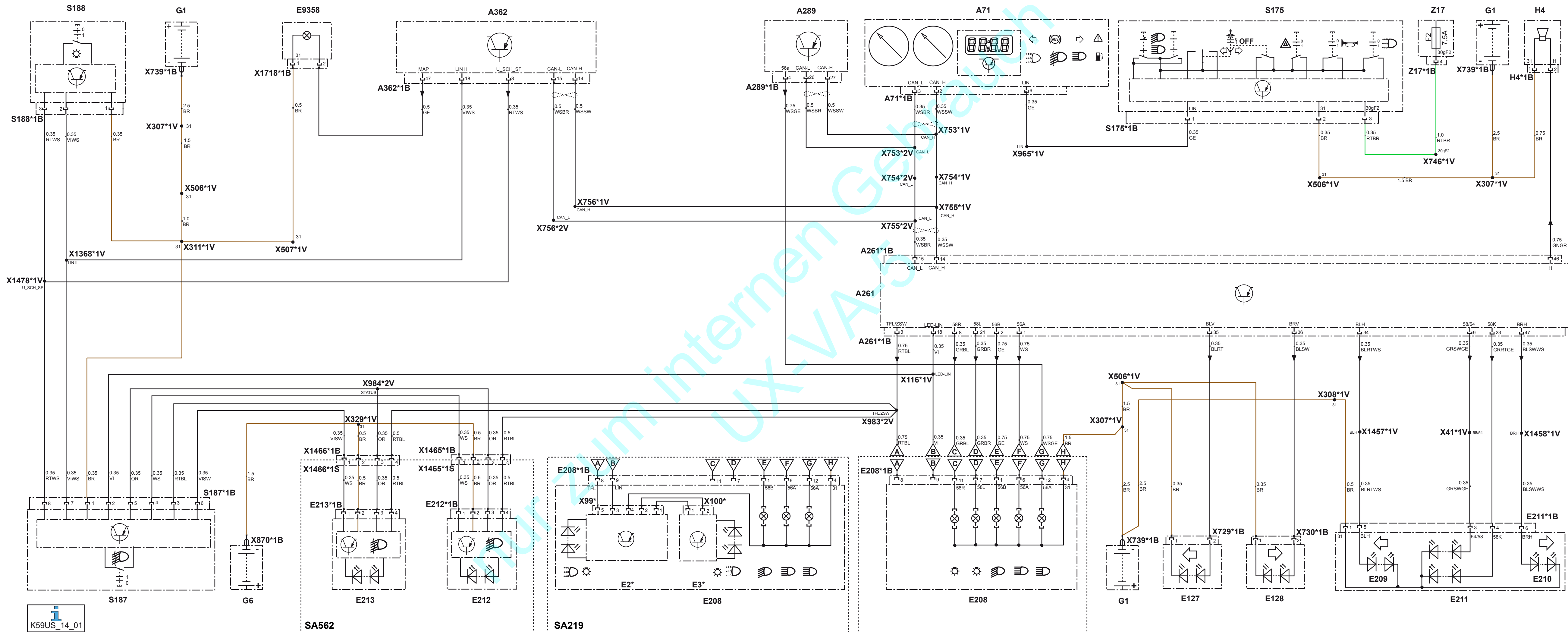
- Line cross-section in mm²
- Wire colour

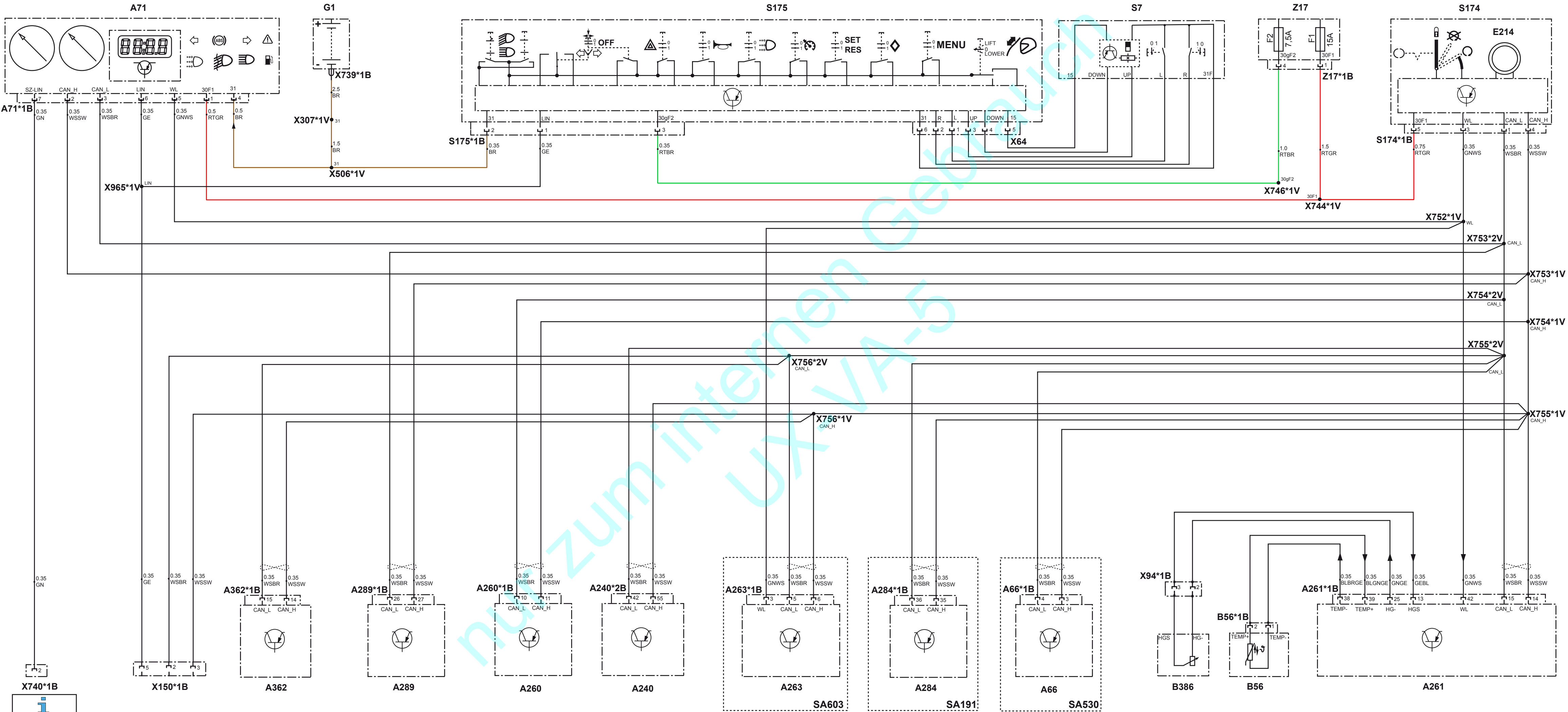
11. Coloured lines

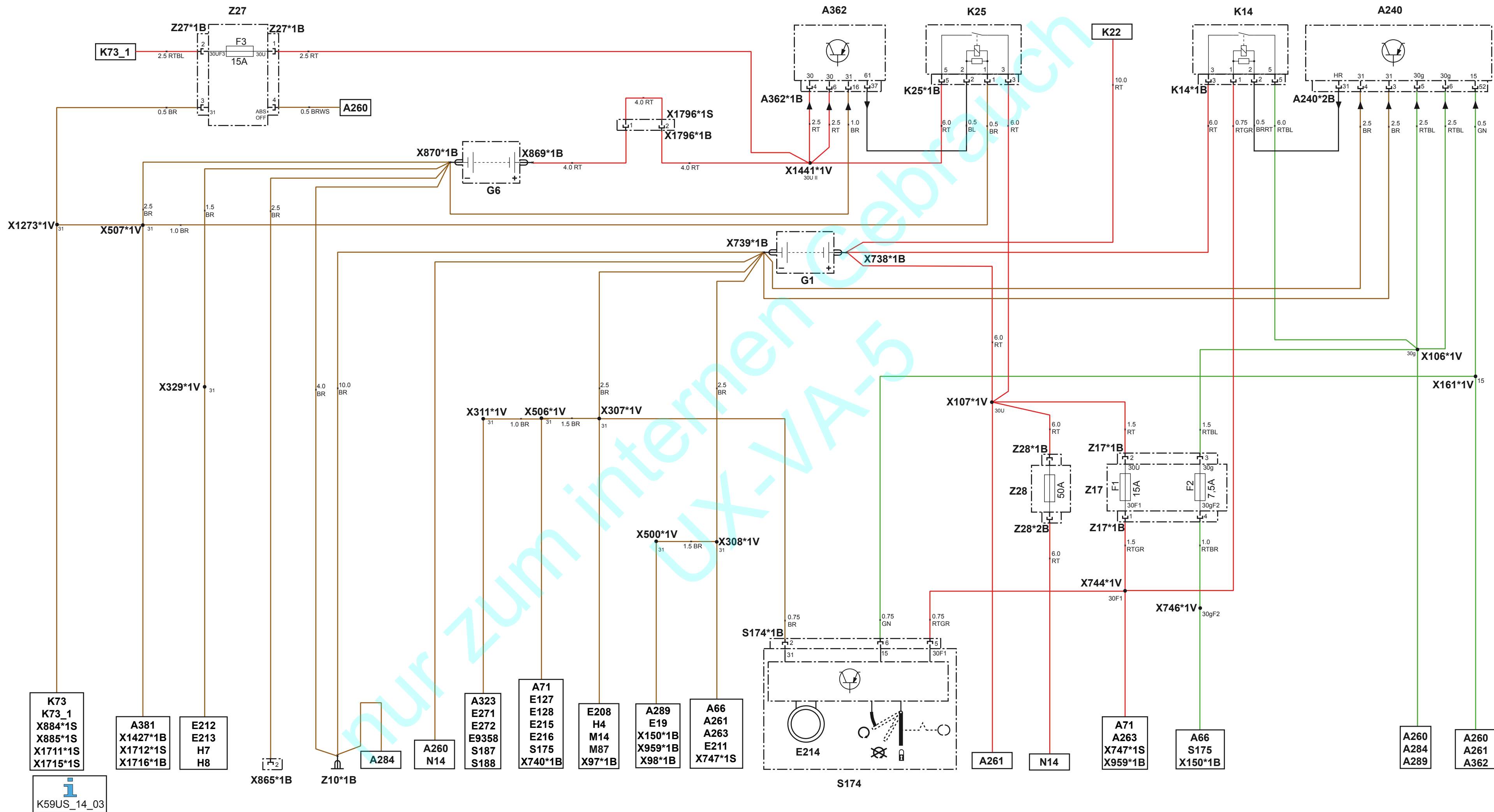
- Red = direct voltage supply terminal 30
- Green = switched voltage supply terminal 15
- Brown = ground

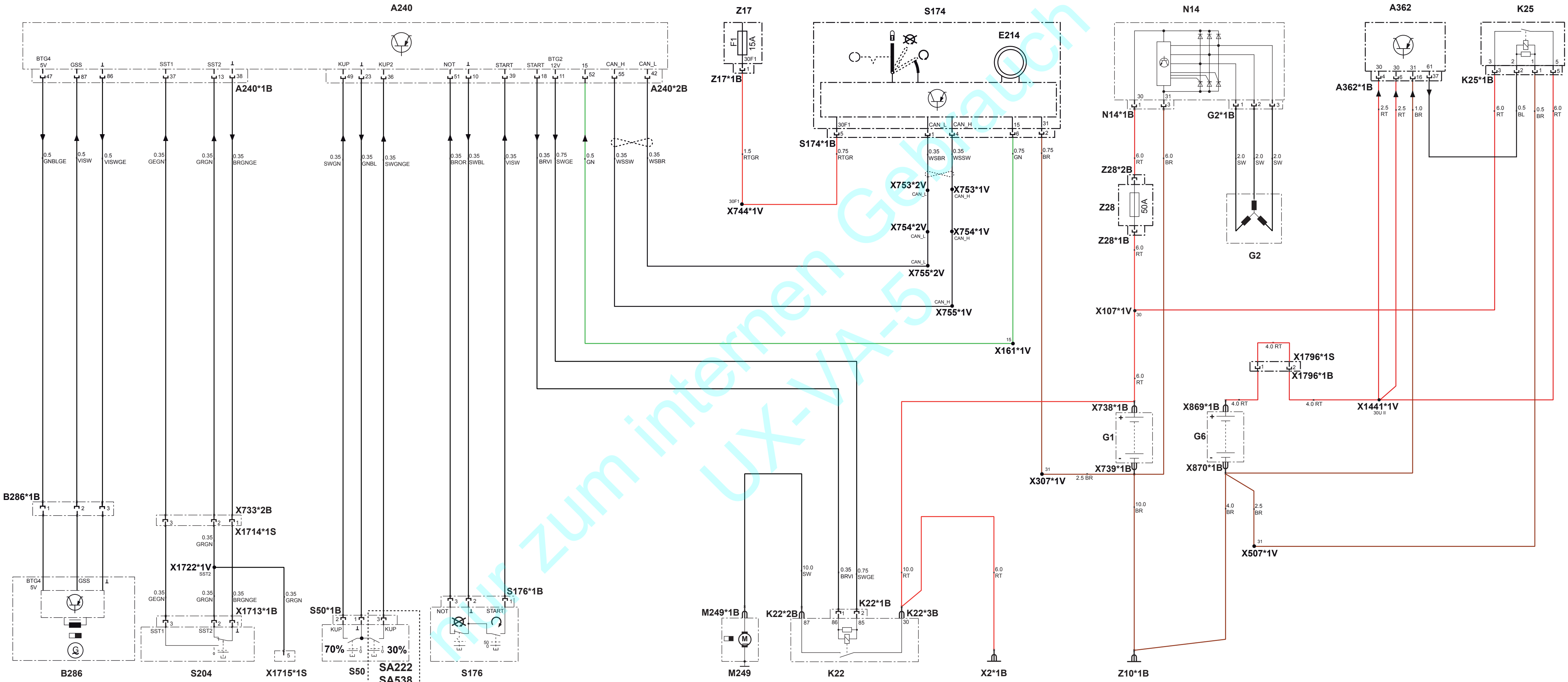
12. Twisted line pair

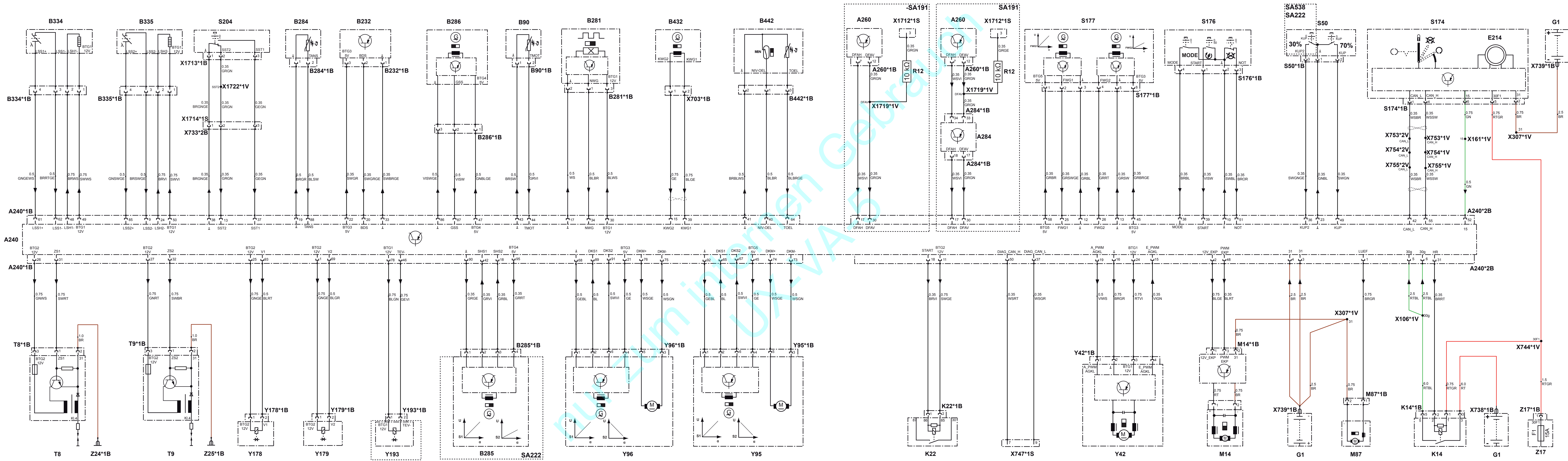
13. Shielded line



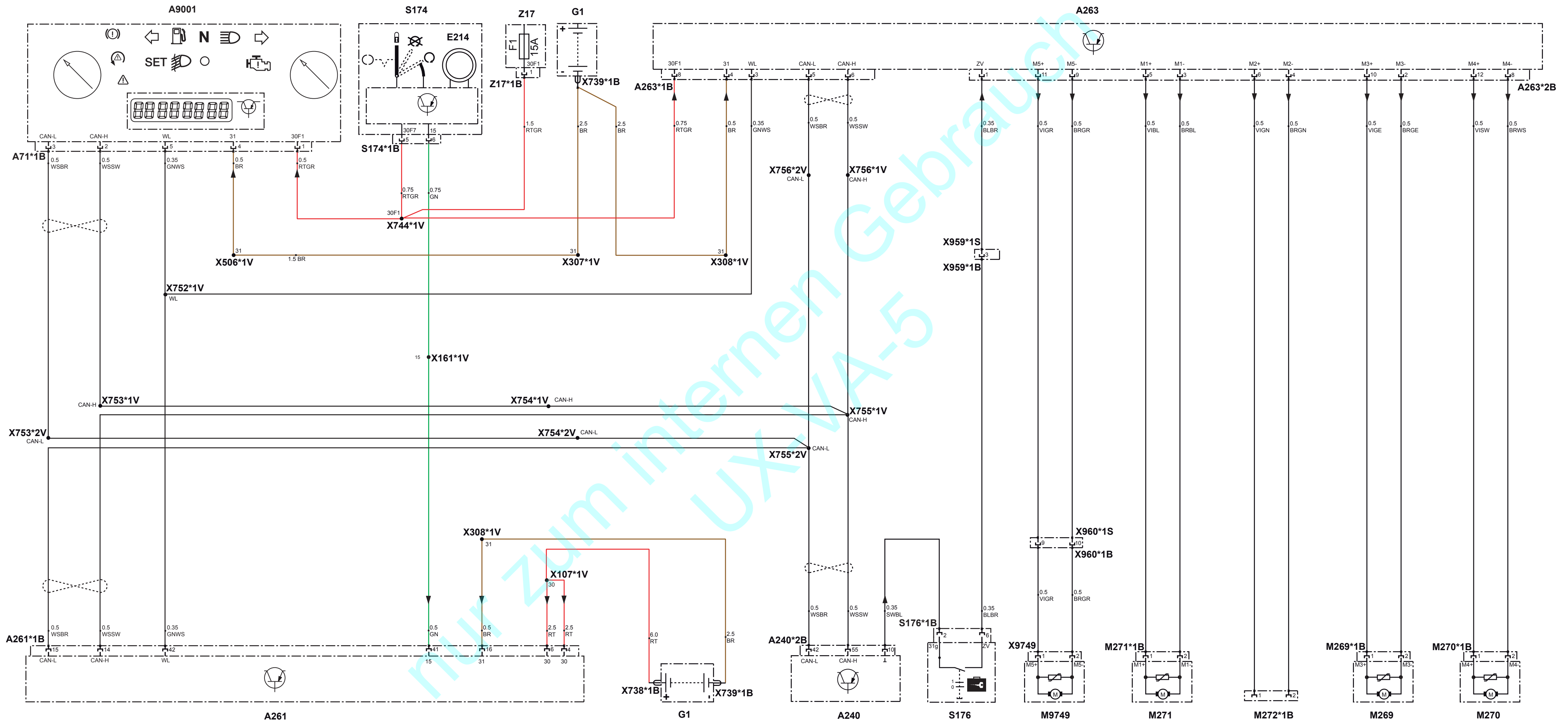


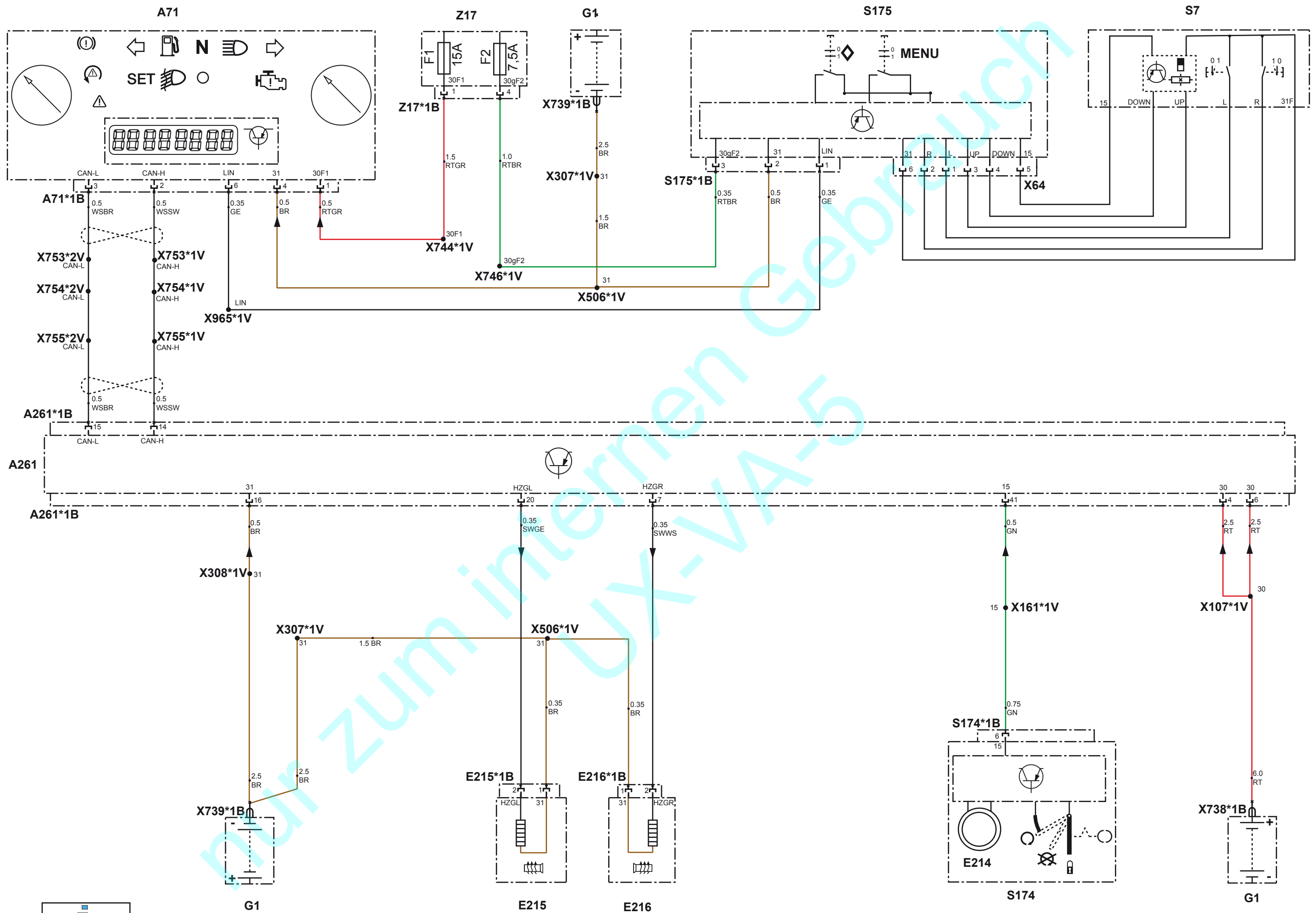










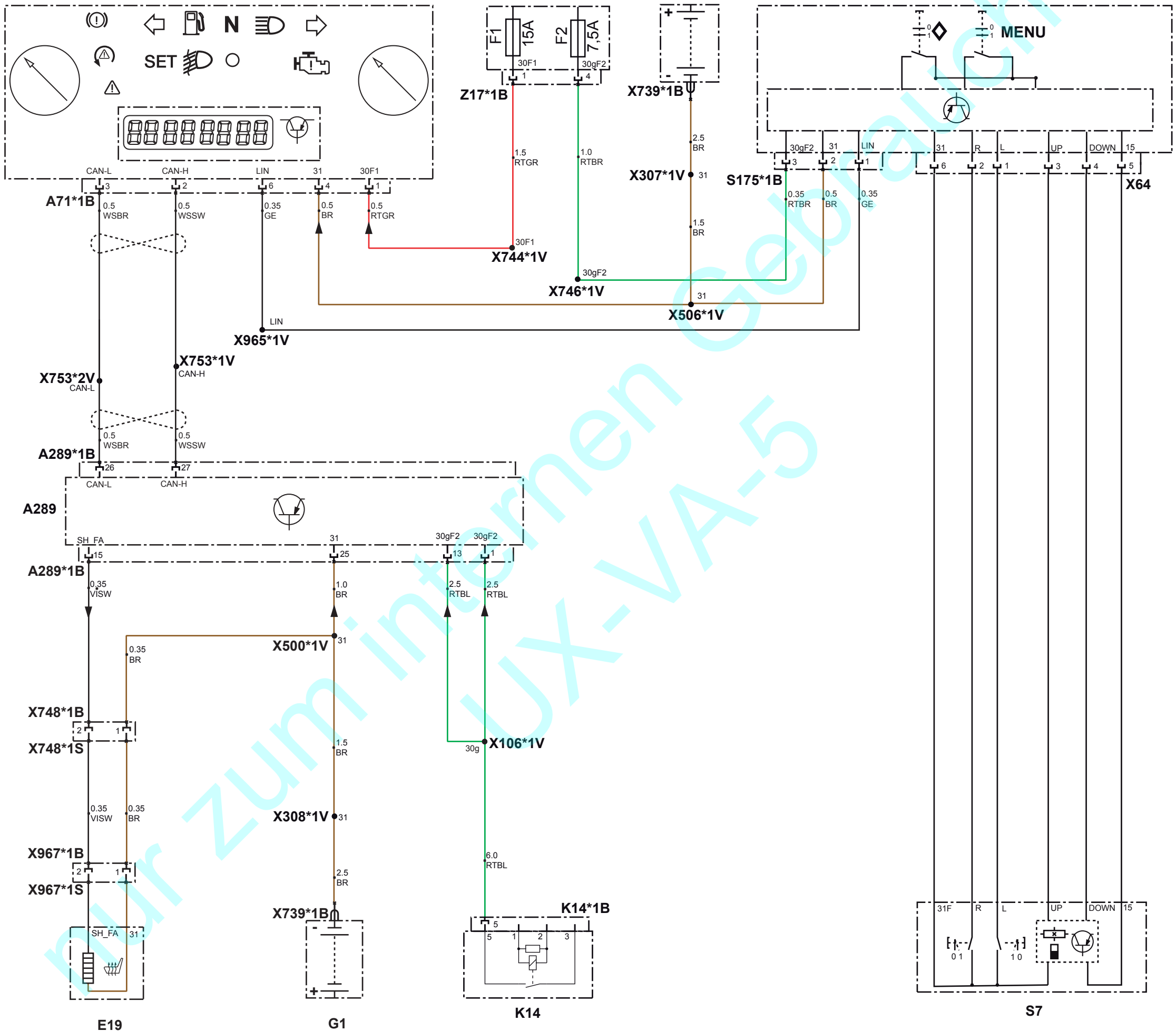


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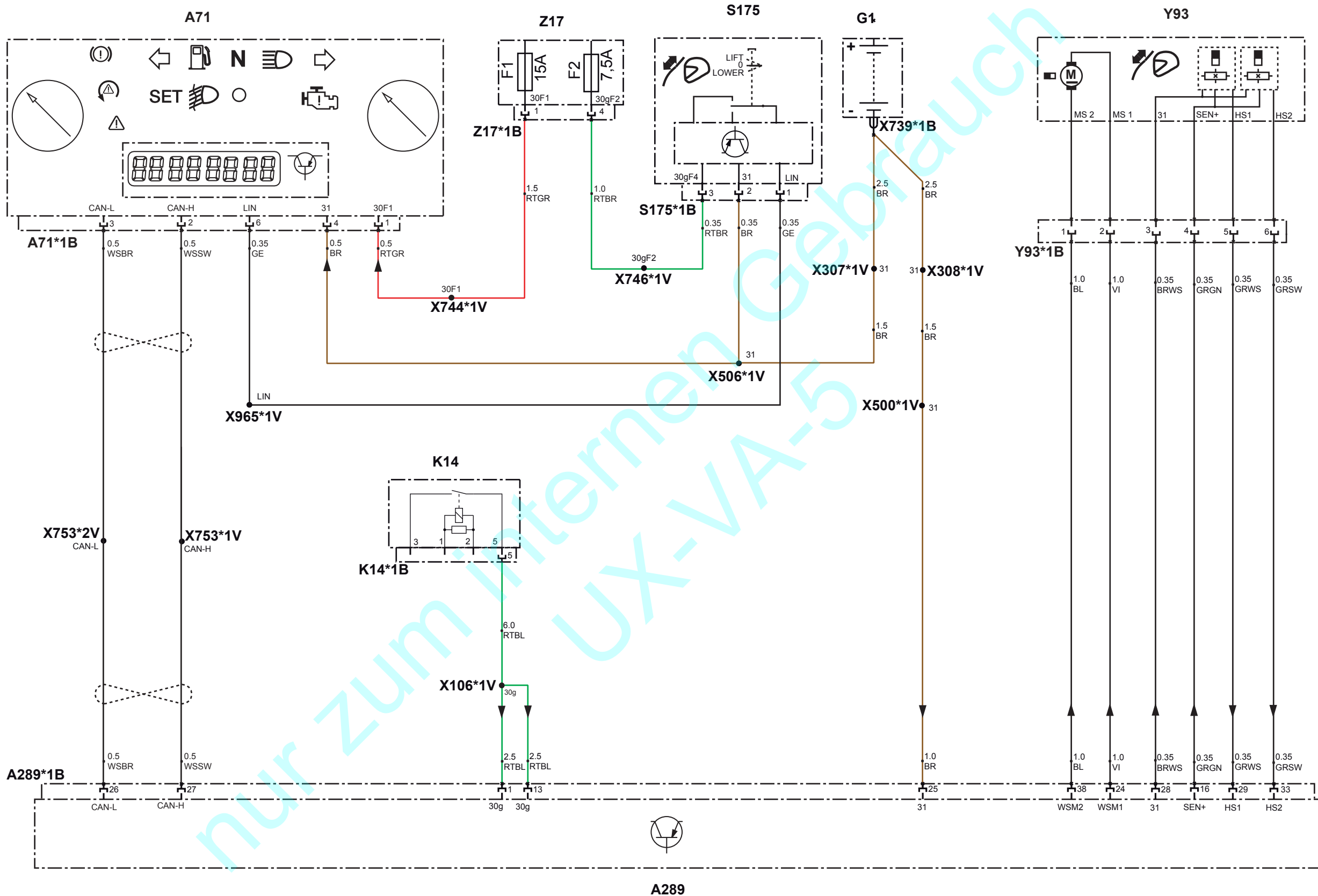
Z17

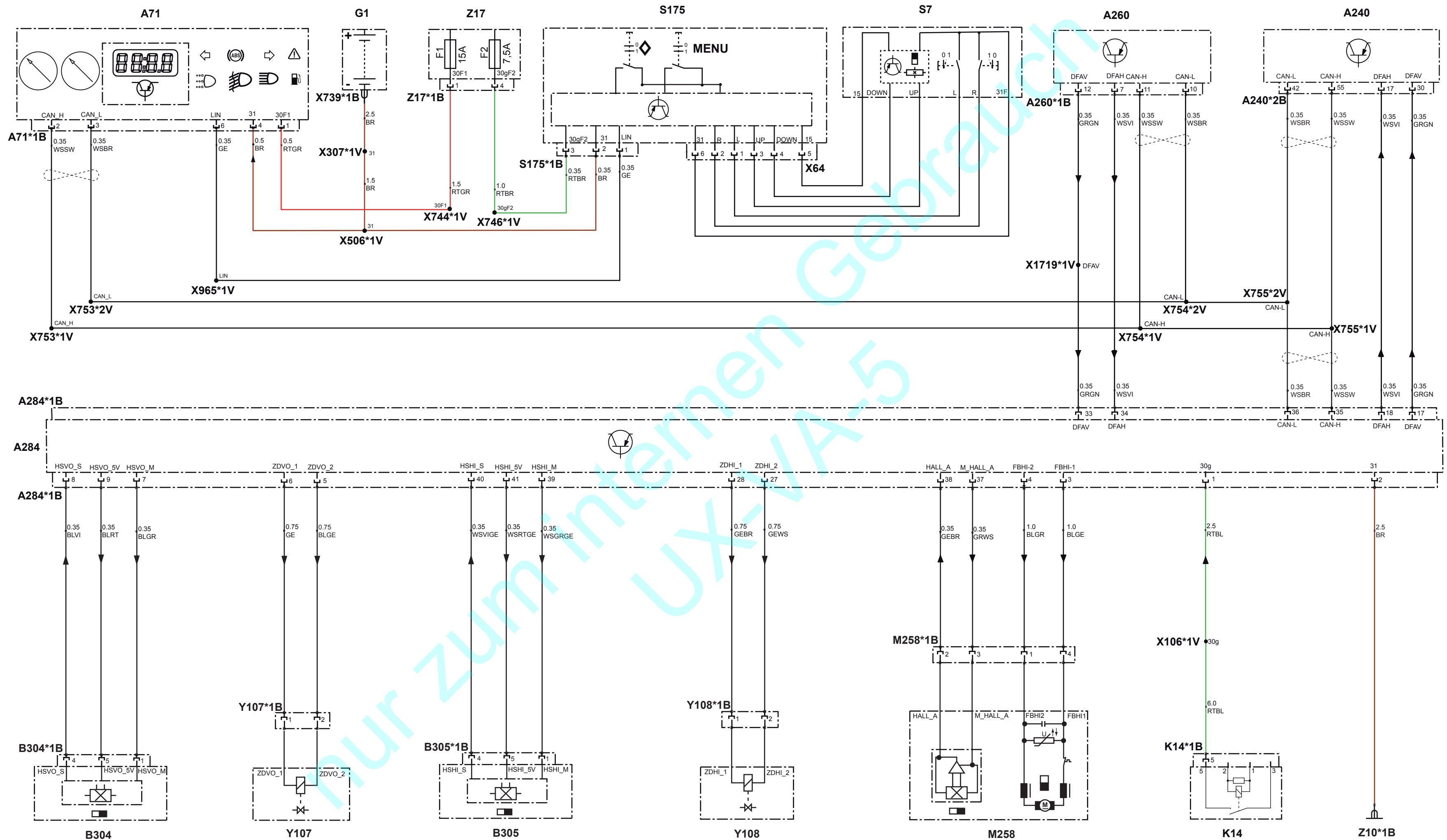
G1

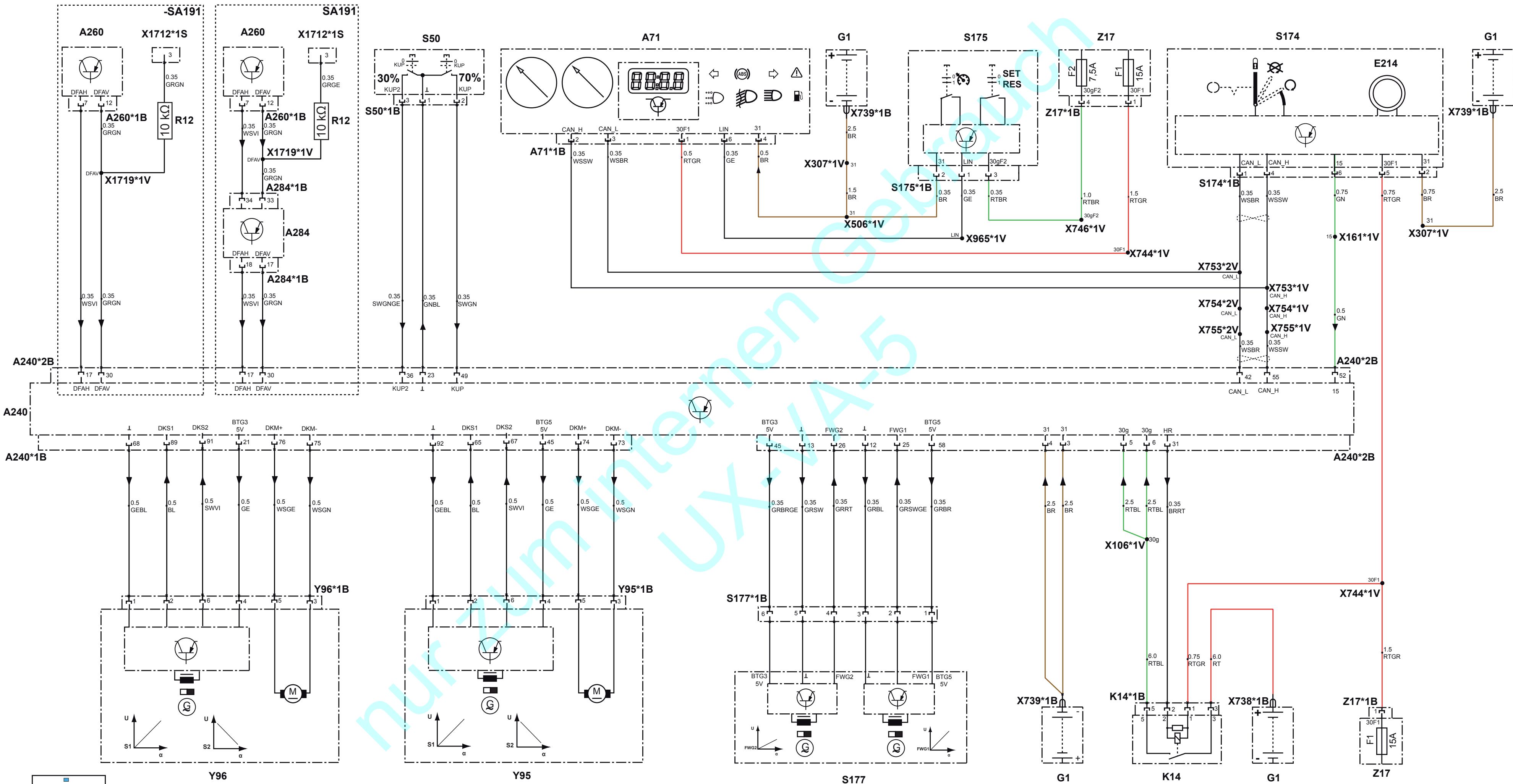
S175

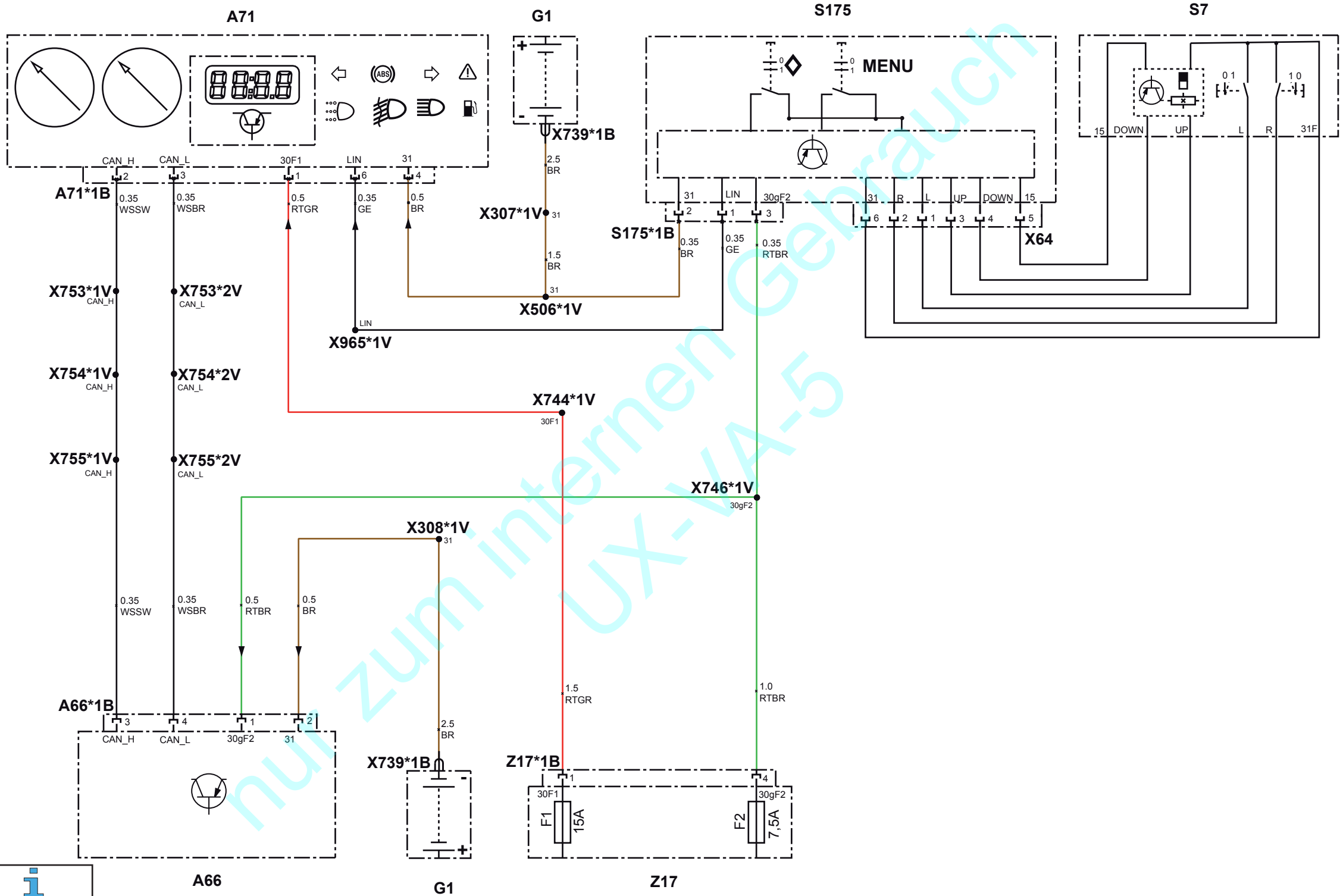


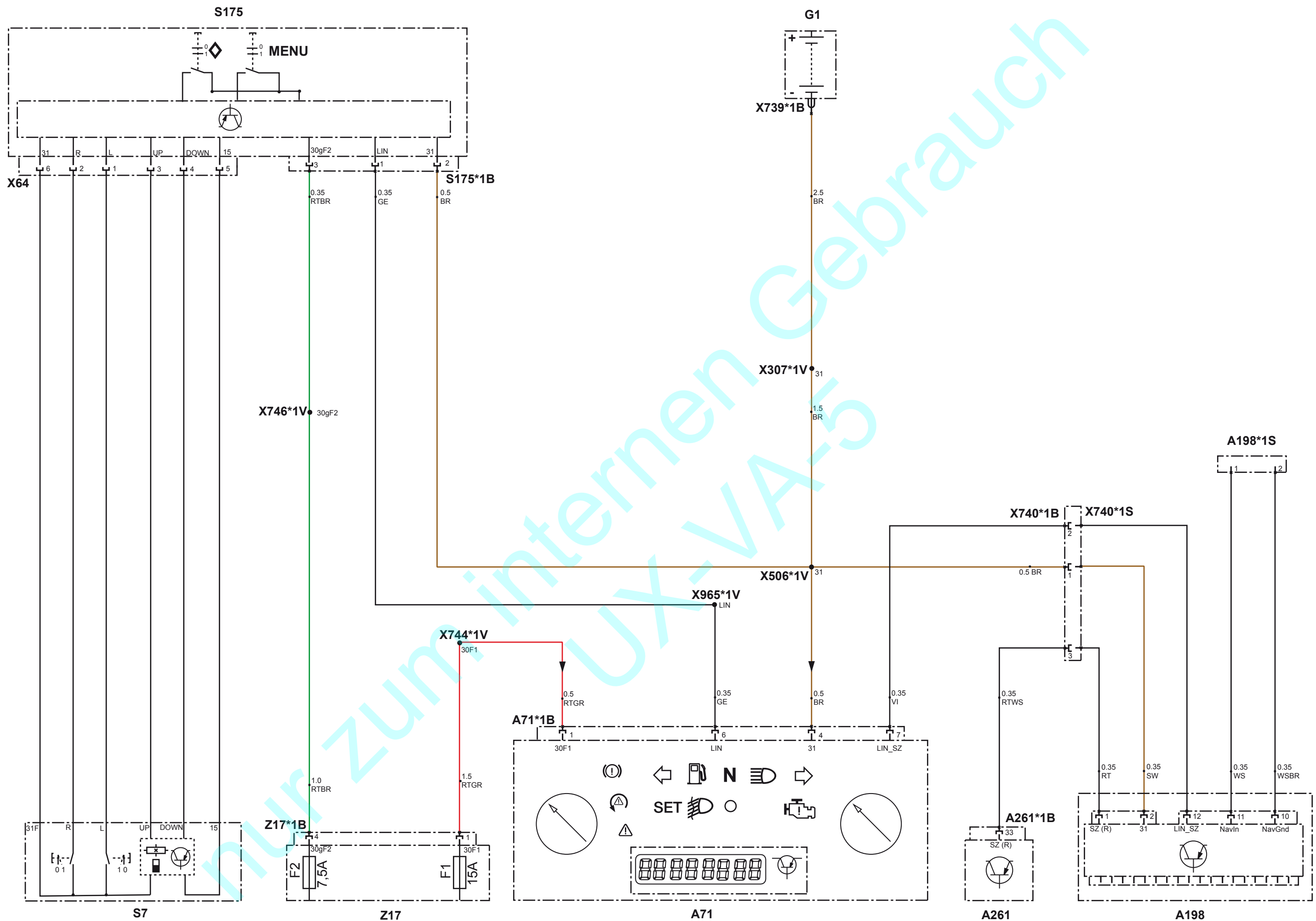
K59US_14_10

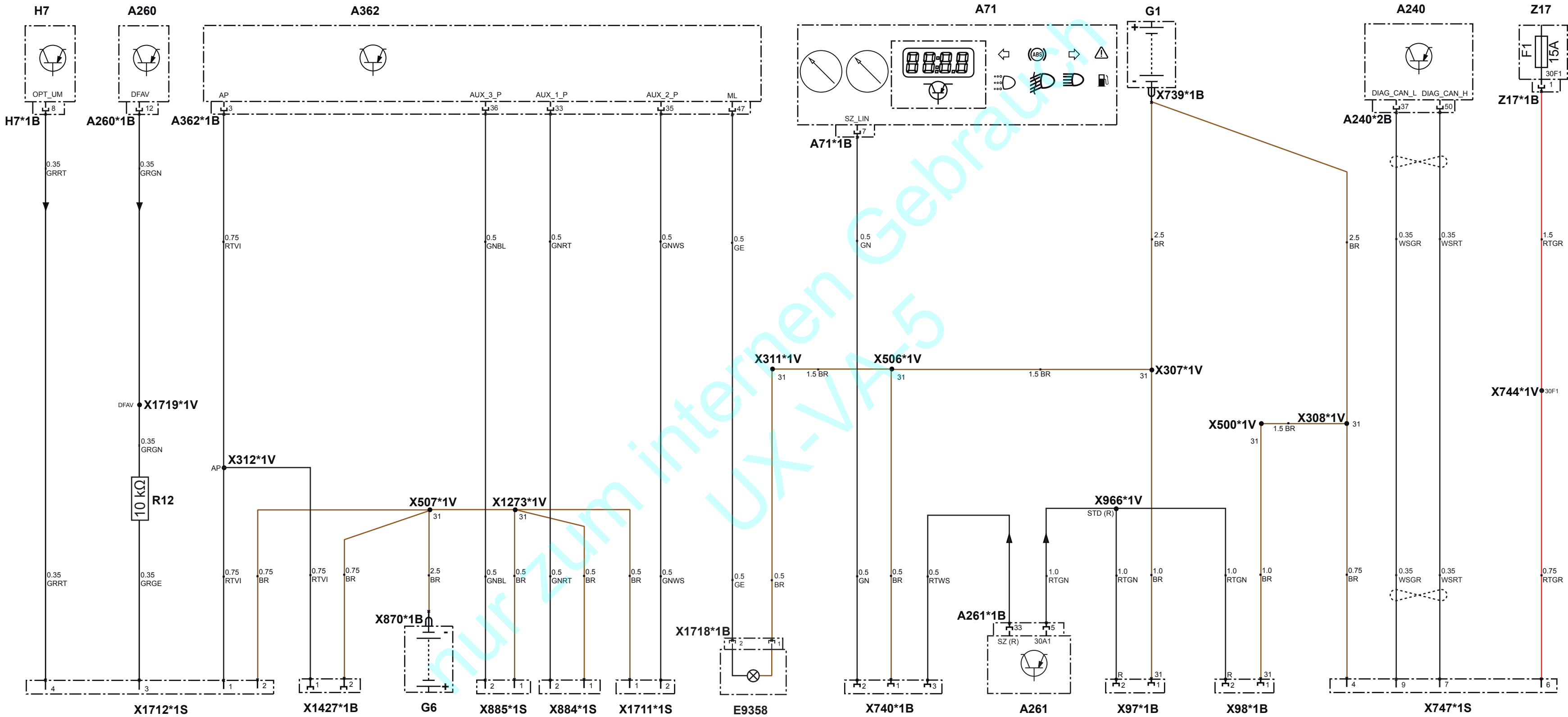


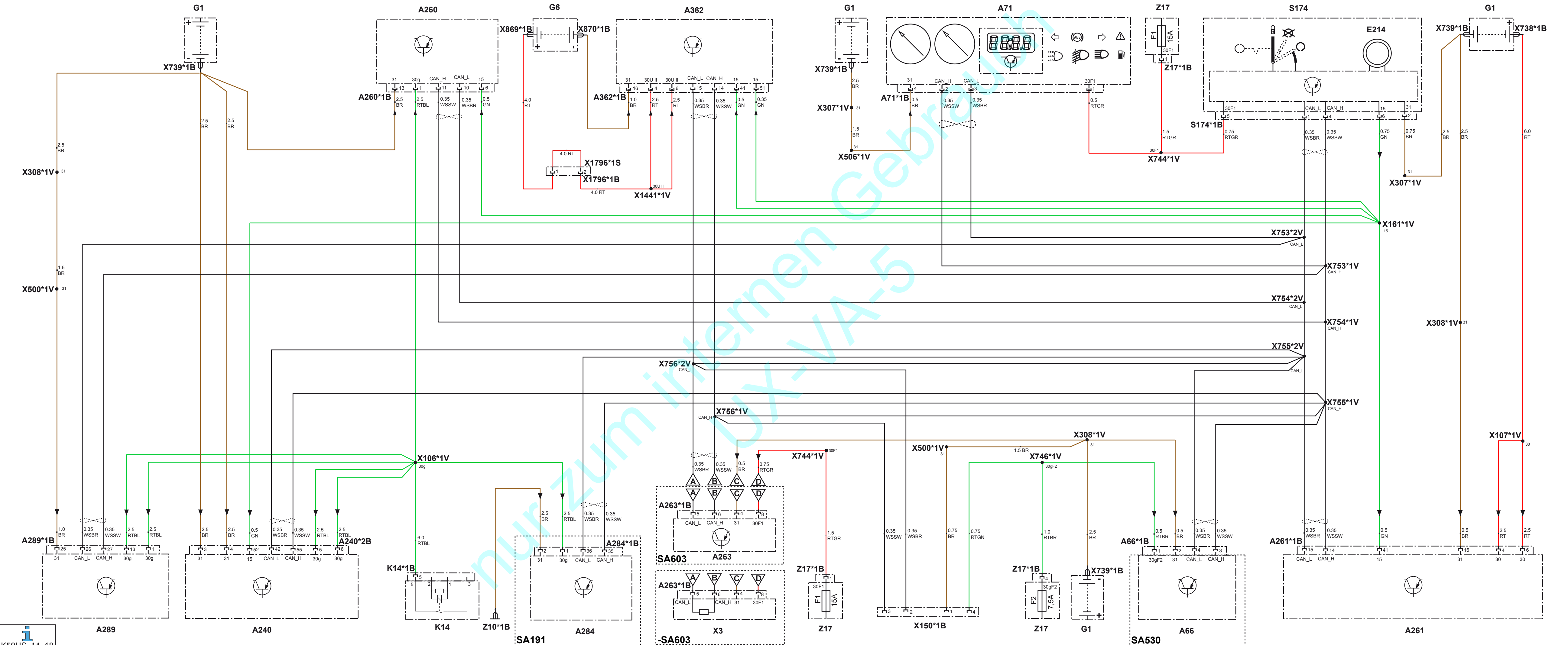












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S175

