



The vehicle identification number can also be found at the bottom left of the front window corner.

1 - Manufacturer's world code

Škoda TMB manufacturing plants

2 - Body type:

E - Scala , left-hand drive, 4x2

F - Scala, right-hand drive, 4x2

3 - Engine type:

C - 1.6 ltr./81 kW/petrol engine

F - 1.6 l TDI/70 kW/diesel engine

G - 1.6 l TDI/85 kW/diesel engine

H - 1.0l/66 kW CNG/petrol engine

K - 1.5 l/110 kW/petrol engine

P - 1.0 l/70 kW/petrol engine

R - 1.0l/85 kW/petrol engine

4 - Airbag System:

2 - 2 Front airbags

4 - 2 Front + 2 side airbags

5 - 2 front + 2 side + 1 knee airbag

6 - 2 front + 2 side + 2 head airbags

7 - 2 front + 2 side + 2 head + 1 knee airbag

9 - 2 front + 4 side + 2 head + 1 knee airbag

5 - Vehicle type:

NW - Scala

6 - Internal code

7 - Model year/for India year of manufacture:

K - 2019

L - 2020

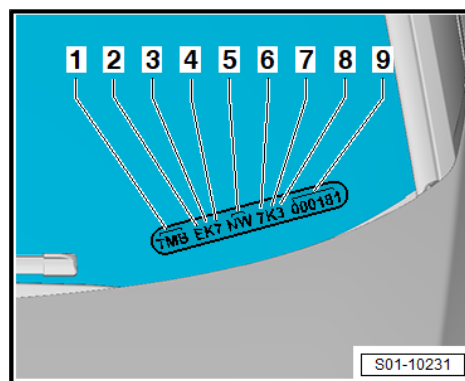
M - 2021

N - 2022

8 - Manufacturing plant:

3 - Mladá Boleslav

9 - Chassis number



Note

*The body manufactured as spare part is identified by the sign # before and after the vehicle identification number instead of the standard * sign before and after the vehicle identification number.*



4 Pistons and conrods

- ⇒ [“4.1 Assembly overview - piston and conrod”, page 67](#)
- ⇒ [“4.2 Removing and installing the piston”, page 69](#)
- ⇒ [“4.3 Check piston and cylinder bore”, page 70](#)
- ⇒ [“4.4 Separating new connecting rod”, page 72](#)
- ⇒ [“4.5 Removing and installing oil injection nozzles”, page 73](#)
- ⇒ [“4.6 Position piston to TDC”, page 73](#)

4.1 Assembly overview - piston and conrod



Replace bolts / nuts that are tightened at an angle of rotation, as well as replacement components after removal.

1 - Circlip

- Replace after removal

2 - Piston pin

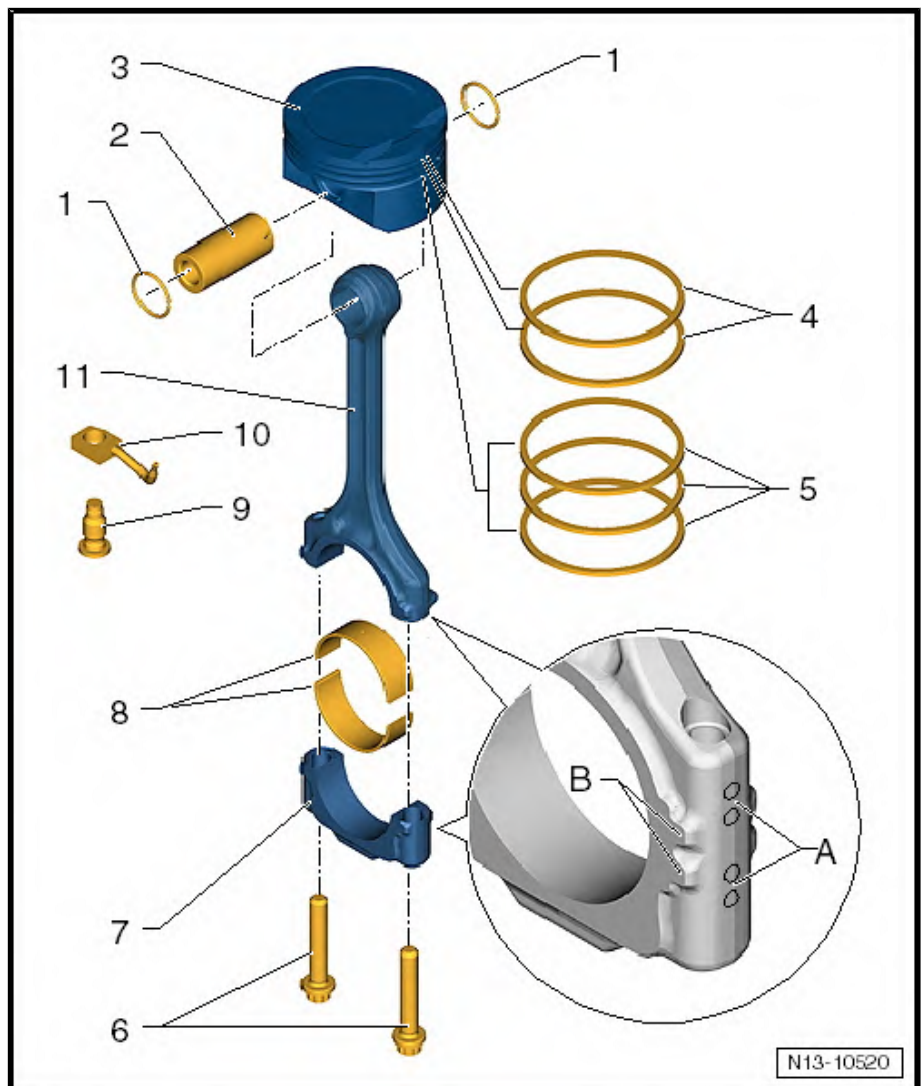
- If stiff, heat piston to approx. 60°C
- Removing and installing
⇒ [“4.2 Removing and installing the piston”, page 69](#)

3 - Piston

- Mark the installation position and the assignment to cylinder
⇒ [Fig. “Fitting position of piston and assignment of piston to cylinder”, page 69](#)
- Removing and installing
⇒ [“4.2 Removing and installing the piston”, page 69](#)
- arrow on the piston crown faces towards the belt pulley side
- Check piston and cylinder bore
⇒ [“4.3 Check piston and cylinder bore”, page 70](#)

4 - Piston rings

- Compression rings
- Measure end gap
⇒ [Fig. “Measure piston ring end gap”, page 71](#)
- Measure vertical gap ⇒ [Fig. “Measure piston ring vertical gap”, page 71](#)
- Installation position: Identification “TOP” or labelled side towards piston crown
- Offset gaps by 120°





operating a natural gas vehicle (CNG)

⇒ [“2.2 Safety precautions when working on vehicles with a fuel system”, page 3](#) .

- Drain fuel line ⇒ fuel system - natural gas; Rep. gr. 20 ; Fuel tank; Remove high pressure fuel .
- Disconnect battery earth strap ⇒ Electrical system; Rep. gr. 27 ; Battery; Disconnecting and connecting battery .
- Unlock and pull off connector -3-.
- Unscrew the tank pressure sensor - G400- -2- from the gas pressure regulator -1-.

Installing

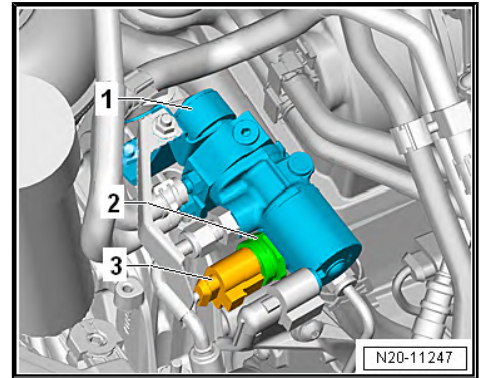
Installation is carried out in the reverse order. Pay attention to the following:

- Reopen the valves for tank shut-off -N361/N362/N363- ⇒ Fuel system; Rep. gr. 20 ; Fuel tank ,

⚠ DANGER

Risk of death from escaping natural gas.

Carry out a leak tightness test on the gas system.



Assignment

⇒ [“9.1 Differentiating pressure area of the natural gas fuel supply system”, page 271](#) .

- Carry out a leak tightness test on the gas system
⇒ [“9.5 Inspecting the liquefied petroleum gas system \(LPG\) for leak tightness”, page 275](#) .

Tightening torques - summaries of components

- ◆ Tank pressure sensor - G400-
⇒ [“10.1.2 Summary of components - gas pressure regulator with attached parts”, page 281](#) .



1 - Screw

- self-locking
- Replace after disassembly
- 8 Nm

2 - Oil level and oil temperature transmitter - G266-

- Removing and installing
⇒ [“1.4 Removing and installing oil level and oil temperature sender G266”, page 128](#)

3 - Sealing ring

- Replace after disassembly

4 - Oil drain plug

- with integrated sealing ring
- Replace after disassembly
- 30 Nm

5 - Sealing ring

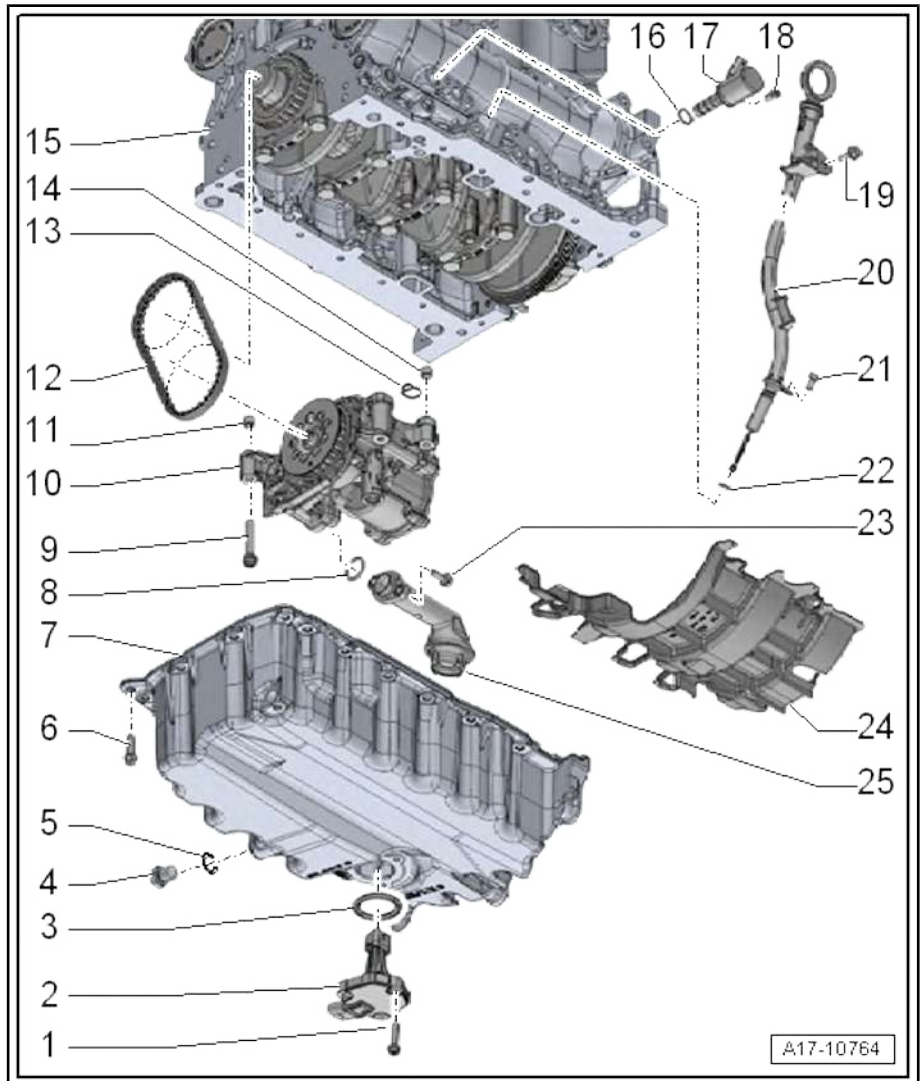
- Component part of the drain plug

6 - Screw

- Tightening torque and tightening order
⇒ [page 124](#)

7 - Oil pan

- Removing and installing
⇒ [“1.2 Removing and installing oil pan”, page 124](#)



8 - O-ring

- Replace after disassembly

9 - Screw

- Replace after disassembly

Note the different screw lengths:

- ◆ Screw with internal Torx drive: 12 Nm + 180°
- ◆ Screw with external hex drive: 10 Nm + 180°

10 - Oil pump

- with vacuum pump
- Removing and installing ⇒ [“1.3 Removing and installing oil pump”, page 127](#)

11 - Fitting sleeve

12 - Toothed belt

- removing:

- ◆ Remove oil pump ⇒ [“1.3 Removing and installing oil pump”, page 127](#)
- ◆ Remove sealing flange on the belt pulley side
⇒ [“1.8 Removing and installing the sealing flange on the belt pulley side”, page 44](#)

13 - Seal

- Replace after disassembly



12 - Mounting bracket

- For fuel pump control unit -J538-

13 - Mounting bracket

- for dosing pump -V54-
- check correct fitting

14 - Fuel line

- pushed into the fuel tank
- do not kink
- disconnect and connect ⇒ [“3.1 Separating push-on couplings”, page 46](#)

15 - Fuel line

- for dosing pump -V54- for auxiliary heating
- do not kink
- disconnect and connect ⇒ [“3.1 Separating push-on couplings”, page 46](#)

16 - Dosing pump -V54-

- for vehicles with auxiliary heating
- clipped in place on fuel tank

1.2 Removing and installing the fuel tank

⇒ [“1.2.1 Removing and installing fuel tank, Scala, Kamiq”, page 9](#)

⇒ [“1.2.2 Removing and installing the fuel tank Octavia IV”, page 12](#)

⇒ [“1.2.3 Check the earth connection for fuel filler neck”, page 16](#)

1.2.1 Removing and installing fuel tank, Scala, Kamiq

Special tools and workshop equipment required

- ◆ Engine and gearbox jack , e.g. -V.A.G 1383A- or -VAS 6391-
- ◆ Disassembly wedge - 3409-
- ◆ Screw plug set for engine , e.g. -VAS 6122-

CAUTION

Risk of accident due to the fuel tank weight!

The fuel tank must be empty for removal
⇒ [“1.3 Drain the fuel tank”, page 17](#) .

Removing

Safety precautions when working on the fuel supply system
⇒ [“2.1 Safety precautions when working on fuel supply system”, page 2](#) .

Observe rules for cleanliness

⇒ [“3.1 Cleanliness rules when working on the parking/auxiliary heater and fuel system”, page 4](#) .

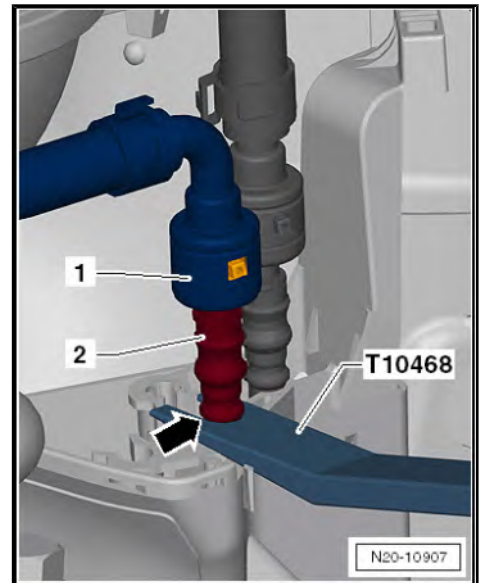
- Remove the underbody panelling at the rear right and left ⇒ Bodywork - exterior assembly work; Rep. gr. 66 ; Underbody panelling .
- Remove the silencer ⇒ Rep. gr. 26 ; Pre-exhaust pipes/silencer; remove and install silencer .



The separation point -1- in the engine compartment must be held in place.

- Insert the lever - T10468- between the heat shield and the stop -arrow- of the fuel line -2- and hold.

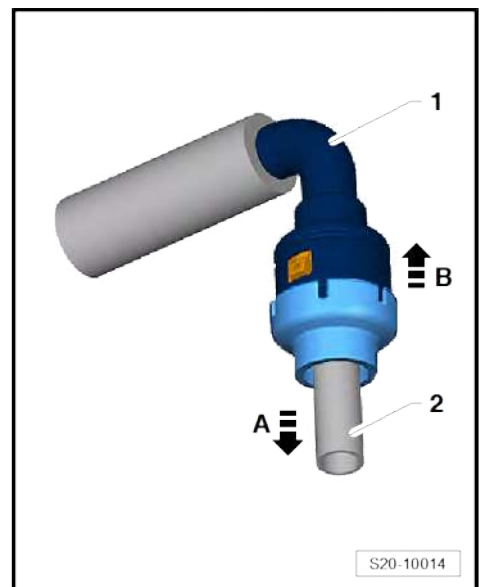
Continued for all separation points.



- Press the quick coupling -1- in direction of arrow -A-.
- Press the release buttons and remove the quick coupling -1- from the fuel line -2- in direction of the arrow -B-.

Pay attention to the assignment of the colours when installing
⇒ [page 250](#) .

- Check the quick coupling for firm seating by pulling in the opposite direction!



Version 2

Push-on coupling with pull-release mechanism -arrow-.

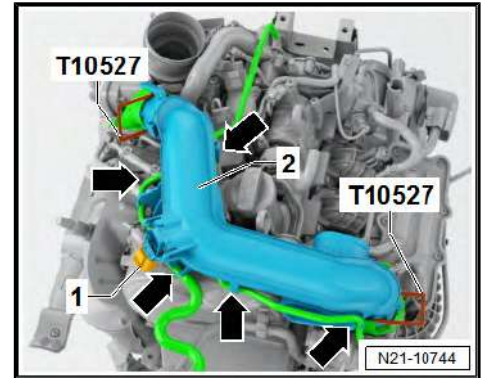




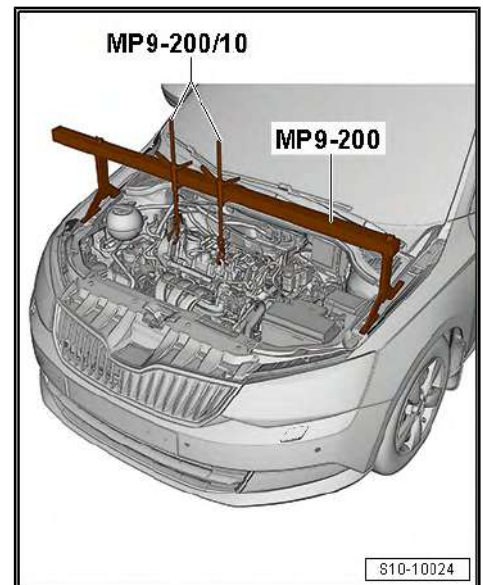
- Remove air duct -2- to the turbocharger ⇒ Rep. gr. 21 ; Charged air system; removing and installing air duct pipe .

Install interception device to catch the engine/gearbox assembly.

- If hose and cable connections are located in the area of the lifting eye of the engine for the supporting device - MP9-200 (10-222A)- , these must now be removed.



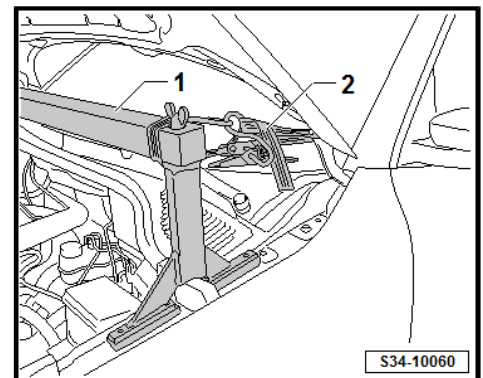
- Attach support bracket - MP9-200 (10-222A)- together with the hook - MP9-200/10 (10-222A/10)- to the vehicle as shown in the figure.



- Secure supporting device - MP9-200 (10-222A)- -1- to the bonnet hinges on both sides with the aid of the tensioning strap - T10038- -2-.
- Slightly pre-tension the engine/gearbox assembly via the hooks - MP9-200/10 (10-222A/10)- (do not raise).

Continuation Remove transmission

- Remove the front wheels ⇒ Chassis, axles, steering; Rep. gr. 44 ; Wheels, tyres; wheel change .
- Remove the sound dampening system ⇒ General body repairs, exterior ; Rep. gr. 66 ; Noise insulation .
- Remove the front left wheelhouse liner ⇒ General body repairs, exterior; Rep. gr. 66 ; Wheelhouse liner; removing and installing front wheelhouse liner .



! NOTICE

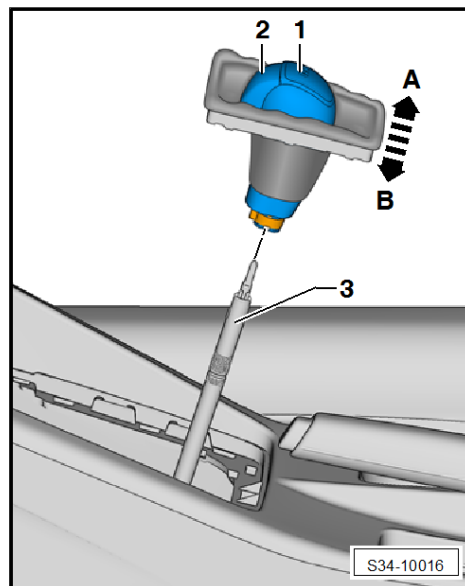
Risk of destruction of the mechatronics for double clutch gearbox - J743- .

Static discharges may destroy the control unit and the mechatronics.

- Do not in any circumstances allow the gearbox plug contacts to come into contact with your hands.
- Grab with the hand (without gloves) at the ground in order to discharge yourself electrostatically.



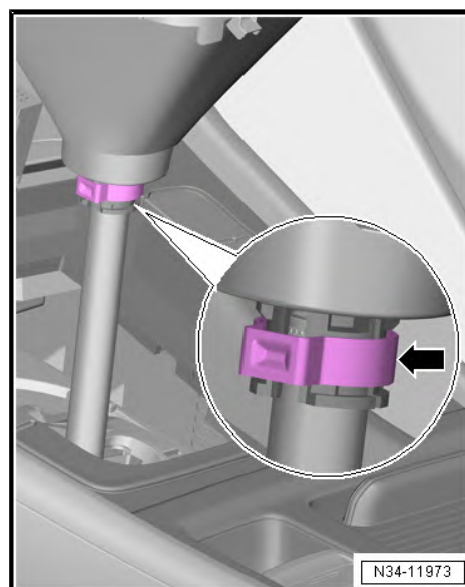
- Press the selector lever handle -1- onto the selector lever in -direction of arrow B- in such a way that the lock button -2- is not touched.
- The selector lever handle must latch into the round slot of the selector lever.
- The lock button -2- points in direction of travel.
- A new clamp is fitted to the handle.



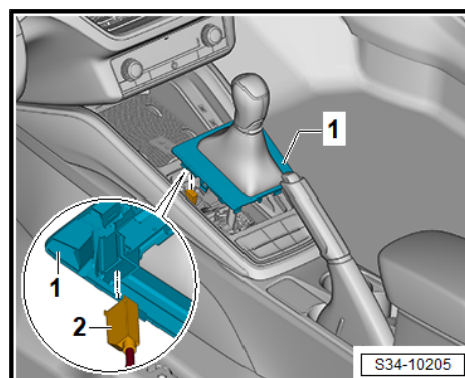
- Tighten warm-type clamp -arrow- using the hose binding claw .
- The selector lever is only correctly secured when the gripper clamp is under tension.
- Only then the lock button at the handle may be pressed.

The lock button can only show high resistance when it is pressed on for the first time after installing the selector lever handle.

- Press lock button at selector lever handle.



- Connect the plug connection for -2- the selector lever calibration lamp - L101- on the cover for shift operation -1-.
- Install cover for shift mechanism -1- into centre console.
- Inspect gearshift mechanism
⇒ [“6.8 Inspecting and adjusting the selector lever control cable”](#), page 96 .



6.6 Installing the lock button at the selector lever handle

Special tools and workshop equipment required

- ◆ Release tool - T40203-



3 Anti-roll bar

⇒ [“3.1 Summary of components - anti-roll bar”, page 29](#)

⇒ [“3.2 Removing and installing the anti-roll bar”, page 30](#)

⇒ [“3.3 Removing and installing coupling rod”, page 32](#)

3.1 Summary of components - anti-roll bar



Note

Replace bolts / nuts that are tightened at an angle of rotation, as well as replacement components after removal.

1 - Anti-roll bar

- with rubber bearings
- removing and installing
⇒ [“3.2 Removing and installing the anti-roll bar”, page 30](#) .
- Assignment ⇒ Electronic Catalogue of Original Parts

2 - Screw

- Replace after removal
- 20 Nm + 90°

3 - Suspension strut

4 - Nut

- when loosening and tightening against the steering joint, hold with a Torx wrench
- Replace after removal
- 55 Nm

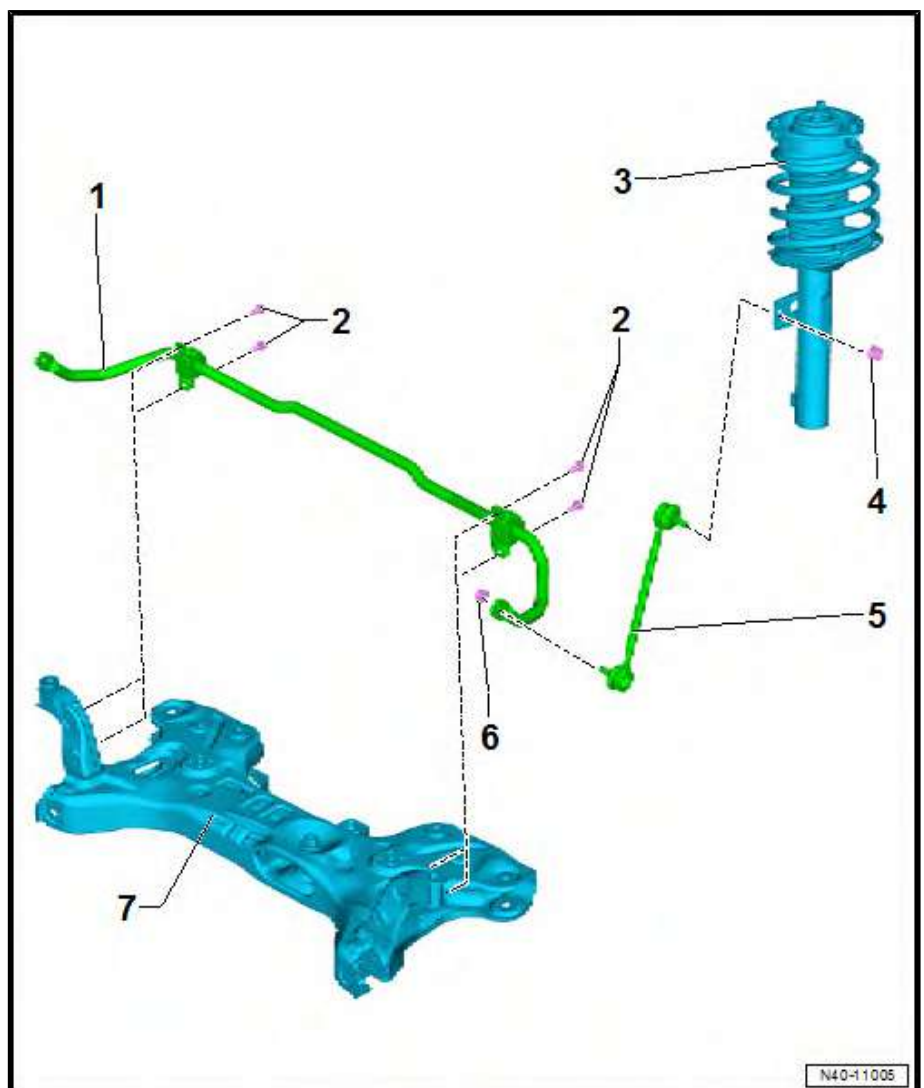
5 - Coupling rod

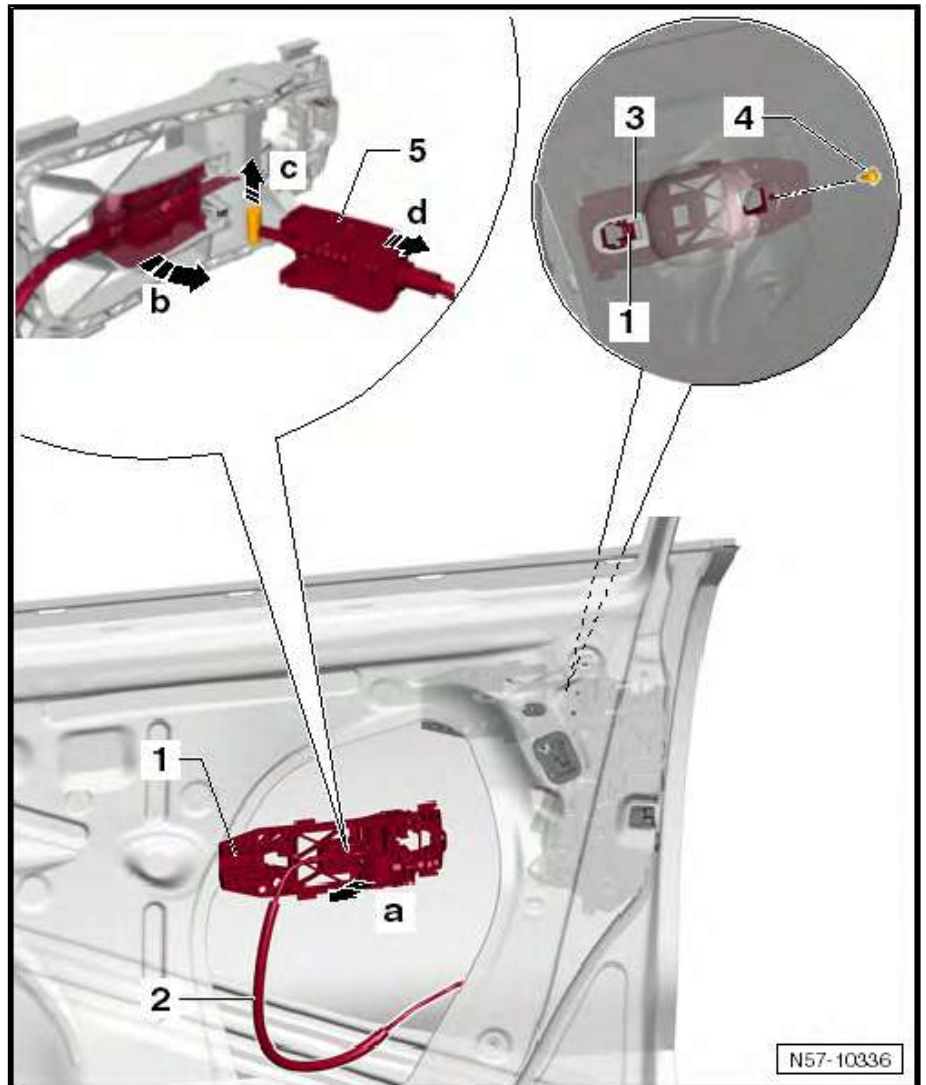
- removing and installing
⇒ [“3.3 Removing and installing coupling rod”, page 32](#) .
- Installation position of coupling rods made of sheet metal profile: U-profile is opened in the direction of the suspension strut
- Assignment ⇒ Electronic Catalogue of Original Parts

6 - Nut

- when loosening and tightening against the steering joint, hold with a Torx wrench
- Replace after removal
- 55 Nm

7 - Assembly carrier





- Installation is carried out in the reverse order.
- Install screws -2-. Tightening torque: 1 Nm.

2.11 Removing and installing the door lock

Removing



5.2 Summary of components - parts of the heating and air conditioning units and air intake box

⇒ [“5.2.1 Summary of components - parts of the heating and air conditioning units and air intake box, left-hand drive”, page 75](#)

⇒ [“5.2.2 Summary of components - parts of the heating and air conditioning units and air intake box, right-hand drive”, page 76](#)

5.2.1 Summary of components - parts of the heating and air conditioning units and air intake box, left-hand drive

1 - Screw

- 1 Nm

2 - Dust and pollen filter

- ⇒ [“5.8 Removing and installing dust pollen filter”, page 84](#)

3 - Cover

4 - Fresh air flap and recirculation air flap actuator - V154- / Actuator for fresh air and recirculating air/air flow flap - V425-

Air conditioning system version with manual control

- Fresh air flap and re-circulating air flap actuator - V154-
- Removing and installing ⇒ [“4.4 Removing and installing control motor of fresh air flap and re-circulating air flap V154”, page 52](#)

Climatronic version

- Actuator for fresh air and re-circulating air/air flow flap - V425-
- Removing and installing ⇒ [“4.7 Removing and installing the control motor for fresh air and re-circulating air/air flow flap V425”, page 57](#)

5 - Cover

- for dust and pollen filter

6 - Upper part of the housing of the heating and air conditioning unit

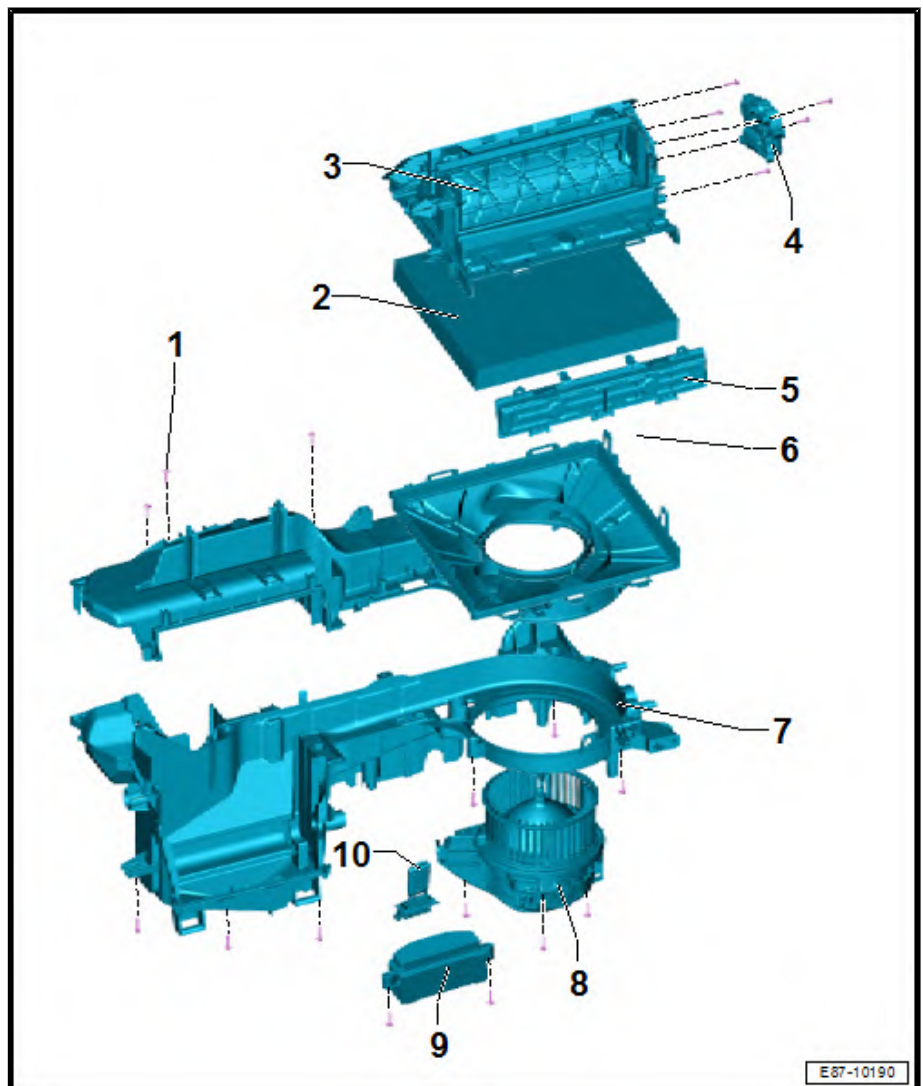
7 - Lower part of the housing of the heating and air conditioning unit

8 - Fresh air blower - V2-

- Removing and installing ⇒ [“5.9 Removing and installing the fresh air blower V2”, page 86](#)

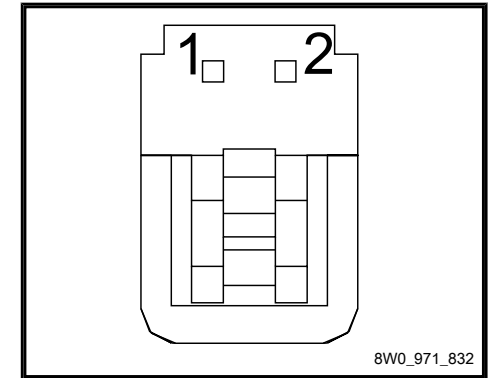
9 - Fresh air blower control unit - J126-

- only available with Climatronic version



1.73.1 Connector -T2x-

Connector -T2x-

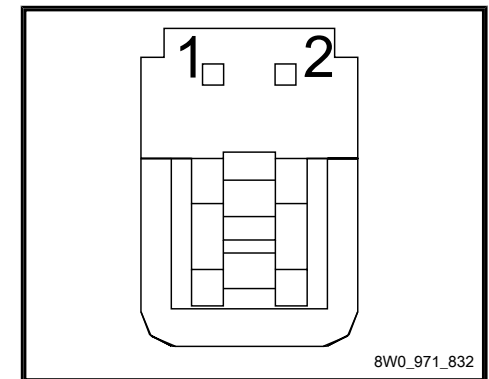


1.74 Seat occupancy sensor, rear driver's side -G177-

◆ ⇒ ["1.74.1 Connector T2fv", page 43](#)

1.74.1 Connector -T2fv-

Connector -T2fv-



1.75 Seat occupancy sensor, rear passenger side -G178-

◆ ⇒ ["1.75.1 Connector T2fx", page 44](#)



Detailed summary of components and functional description of the headlights:

- ◆ ⇒ Kamiq Owner's Manual
- ◆ ⇒ Electronic Catalogue of Original Parts "ETKA"



Note

The headlight wiring loom spare part is only used as a source for spare parts (e.g. connector, fitting etc.). It therefore cannot be replaced completely in the headlight.

1 - Screw

- 3 pieces
- 3.5 ± 0.5 Nm

2 - hollow bolt

- Adjusting element for exact position adjustment of the headlight in the body

3 - Front left headlight - MX1-

- Front right headlight - MX2-
- Removing and installing ⇒ ["1.2 Removing and installing headlight"](#), page 73
- Adjust ⇒ ["1.3 Setting the headlight beam"](#), page 74
- Replace attachment brackets ⇒ ["1.5 Installing repair kit for headlight housing"](#), page 75

4 - Screw

- 3 pieces
- 1.5 Nm

5 - Cover for LED module

- no spare part

6 - Left daytime running lamp and parking lamp LED module - L176-

- Right LED daytime running lamp and parking lamp LED module - L177-

7 - Screw

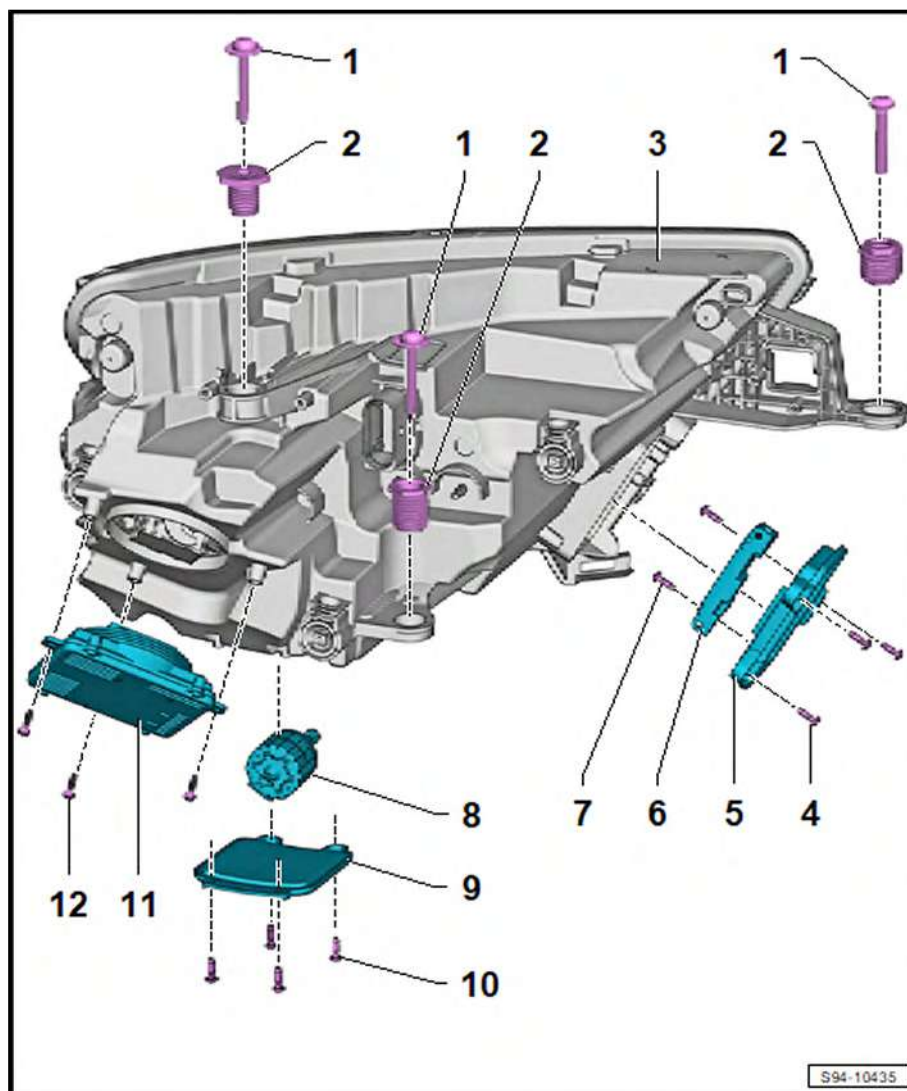
- 2 pieces
- 2 Nm

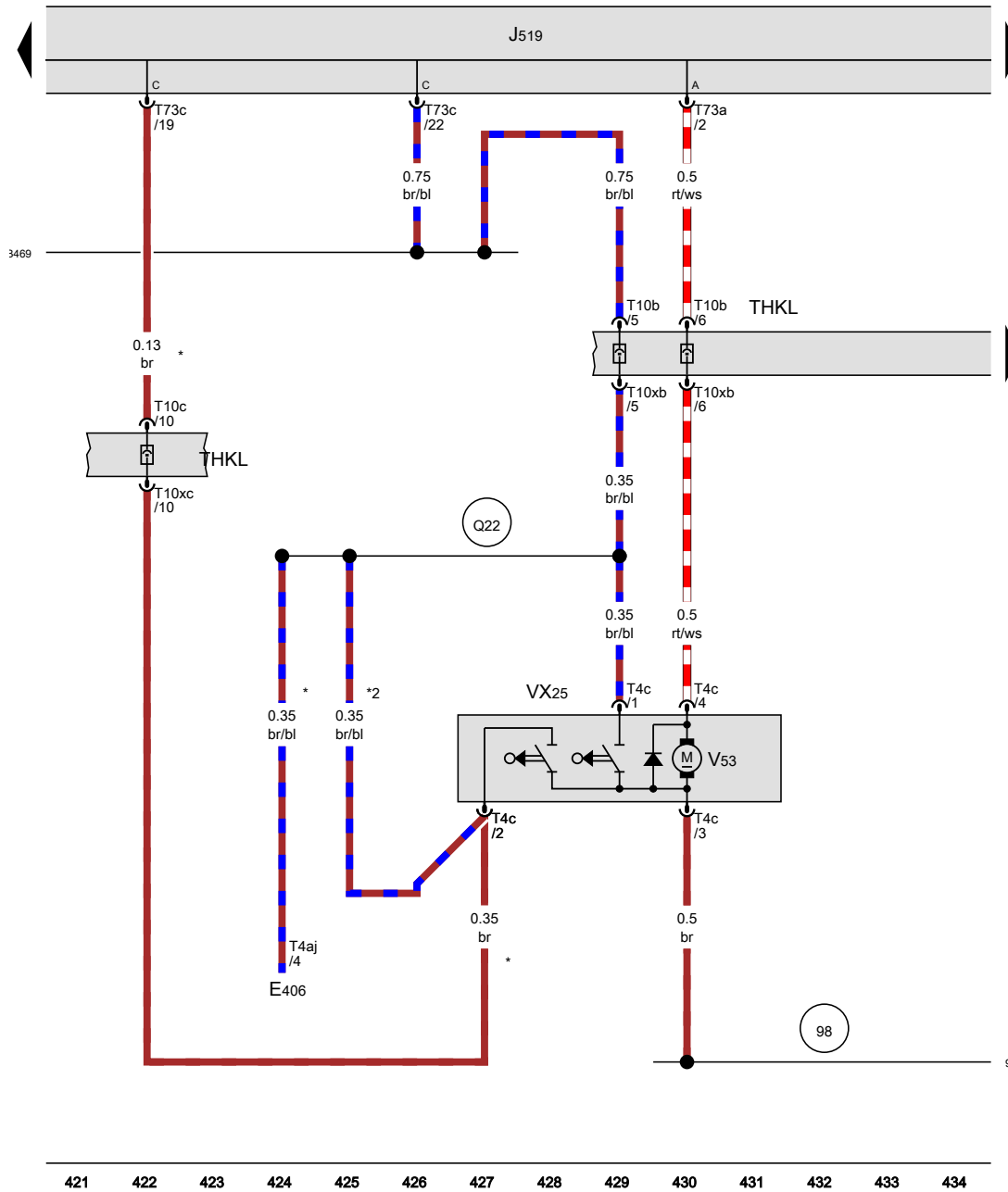
8 - Left headlight range control motor - V48-

- Right headlight range control motor - V49-

9 - Cover for servomotor

- no spare part





Rear lid lock unit

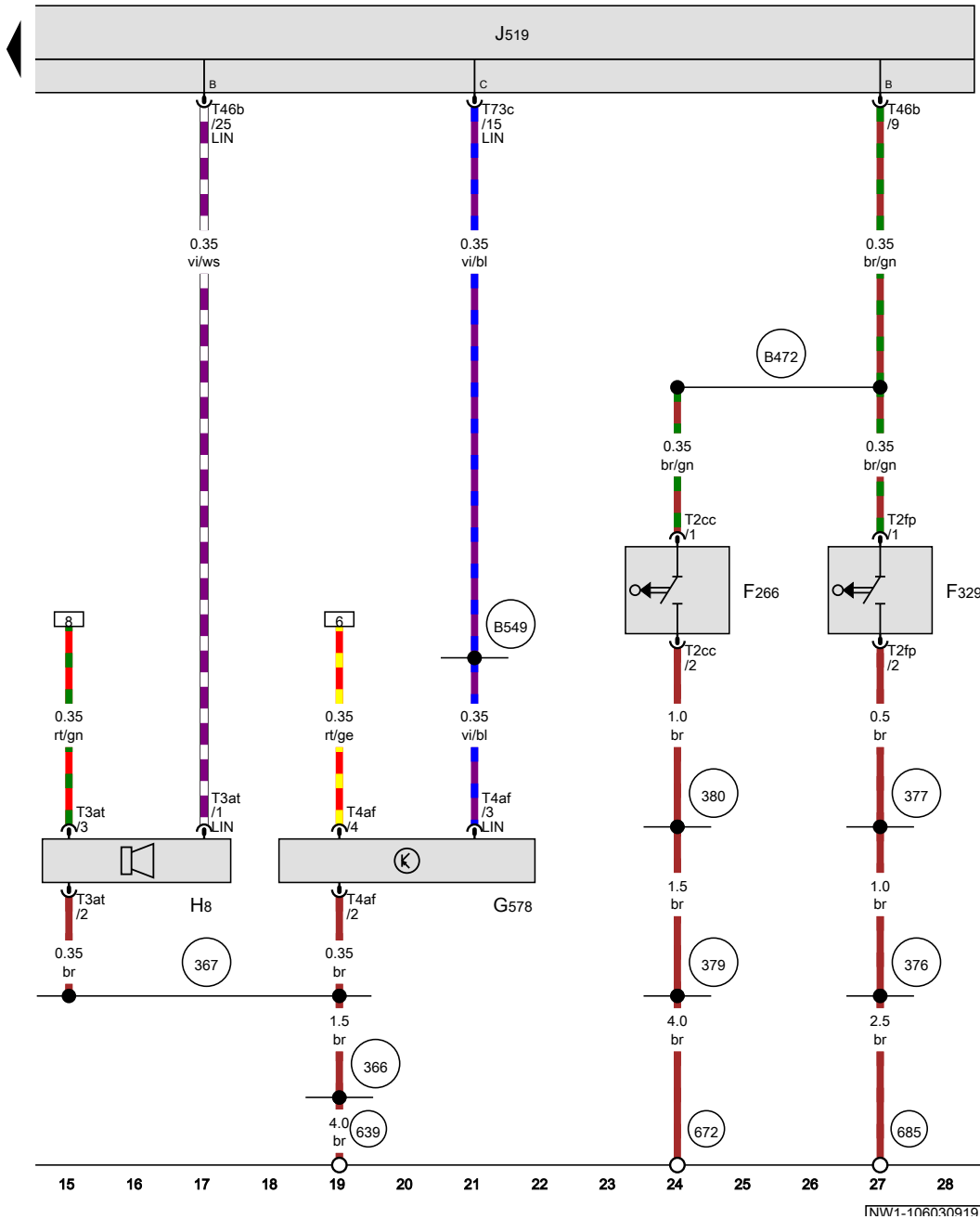
- E406 Button to close rear lid in luggage compartment
- J519 Onboard supply control unit
- T4aj 4-pin connector
- T4c 4-pin connector
- T10b 10-pin connector, brown
- T10c 10-pin connector, black
- T10xb 10-pin connector, brown
- T10xc 10-pin connector, black
- T73a 73-pin connector
- T73c 73-pin connector
- THKL Coupling point on rear lid, left
- VX25 Rear lid lock unit
- V53 Rear lid central locking motor

- 98 Earth connection, in rear lid wiring harness
- B469 Connection 5, in main wiring harness
- Q22 Connection 1, in rear lid wiring harness

- * For models with electric rear lid opener
- *2 For models with no electric rear lid opener

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

INW1-0033209101



Bonnet contact switch, Bonnet contact switch 2, Anti-theft alarm sensor, Anti-theft alarm system horn

- F266 Bonnet contact switch
- F329 Bonnet contact switch 2
- G578 Anti-theft alarm sensor
- H8 Anti-theft alarm system horn
- J519 Onboard supply control unit
- T2cc 2-pin connector
- T2fp 2-pin connector
- T3at 3-pin connector
- T4af 4-pin connector
- T46b 46-pin connector
- T73c 73-pin connector

- 366 Earth connection 1, in main wiring harness
- 367 Earth connection 2, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- 639 Earth point, left A-pillar
- 672 Earth point 2, on front of left longitudinal member
- 685 Earth point 1, on front of right longitudinal member
- B472 Connection 8, in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness

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