

Installation and Conversion Instructions

Cayenne (9YA)

5/24 ENU 2601

2

Sports Exhaust System – Silver (0P8)/Dark Bronze (0P9)



Information

Please pass all this information on to the customer.

Also give the customer a copy of the first pages of these Installation and Conversion Instructions, including the legal regulations.

Revision	Date	Change
0	10/15/2024	▪ First Publication
1	05/08/2025	▪ Update to Model Year
2	10/09/2025	▪ Removal of Restrictions ▪ Update to Assembly Section
3	07/02/2026	▪ Update to Work Procedure

Vehicle Type: **Cayenne E-Hybrid (9YA)/Cayenne S E-Hybrid (9YA)**
including associated coupé variants (9YB)

Model Year: **2024**

Engine Type: **DCB** (basic engine – T91/DC5) = 3.0-liter V6 turbo engine

- **DCBG** = Cayenne E-Hybrid = 224 kW (304 hp)/system power 346 kW (470 hp)
- **DCBF** = Cayenne S E-Hybrid = 260 kW (353 hp)/system power = 382 kW (519 hp)

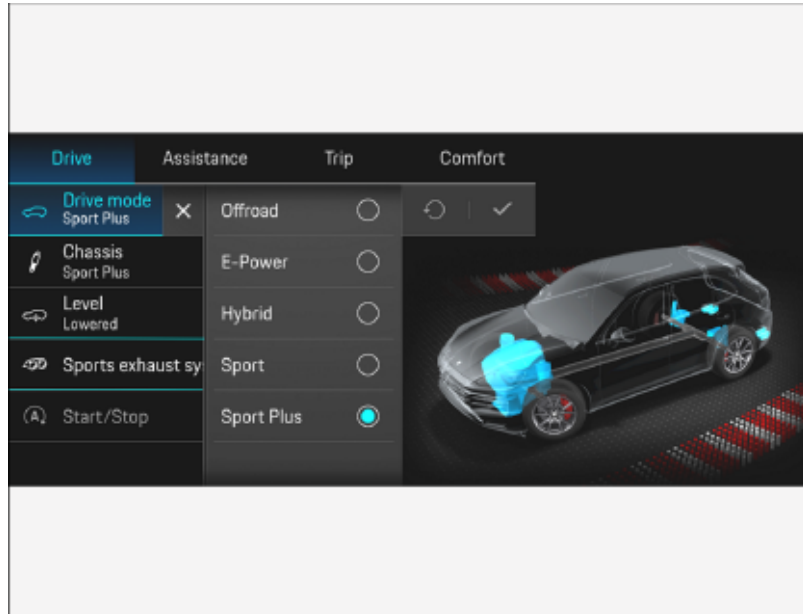
Cause: **Retrofitting**

Figure 1

Notes: In the sports exhaust system, the signal for activating the flaps in the rear silencers (NSD) comes from the respective current map in the DME control unit. The driving status and accelerator pedal position, for example, are decisive factors.

The sports exhaust system can be switched on and off separately using the Porsche Communication Management system (PCM → Figure 1). To do this, select the menu "Car", then "Drive" and then "Exhaust system".

The sports exhaust system is also active in the "SPORT" or "SPORT PLUS" driving modes.

Engine power and exhaust behavior of the vehicle are not affected.

Under the individual equipment "OP8 - Sport exhaust system (tailpipe in silver)" or "OP9 - Sport exhaust system (tailpipe in dark bronze)", the sport exhaust system is also available ex works for new vehicles.

Parts Info: **ONLY** for vehicles WITHOUT petrol particulate filter (PPF; emissions concept = OGB/7CE/7GH/7MM):

9Y0.044.234	⇒ Sports exhaust system (OP8) –Tailpipe in silver–, set
9Y0.044.234.A	⇒ Sports exhaust system (OP9) –Tailpipe in dark bronze–, set
N.105.184.05	⇒ Cheese-head screw with multiple-tooth socket head, M8 x 30 - self-locking (universal joint for steering gear)

1 x

Parts list:

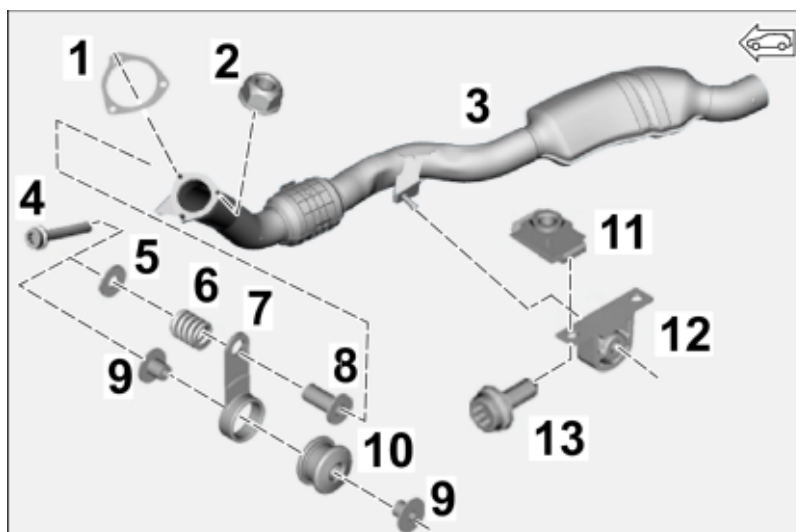


Figure 2

Scope of exhaust system – exhaust pipe area with front silencer (VSD) for vehicle WITHOUT PPF ⇒ Figure 2

PAB.253.115.20	1 x	Seal (exhaust pipe/manifold) ⇒ Figure 2 -1-
PAF.911.308	3 x	Hexagon collar nut M8, self-locking (flange manifold) ⇒ Figure 2 -2-
9Y0.253.301.G	1 x	Assembly (ASSY) exhaust pipe with front silencer (– PPF) ⇒ Figure 2 -3-
N.106.720.01	2 x	Cheese head bolt with multiple-tooth internal M8 x 50 (tab on exhaust pipe/transmission) ⇒ Figure 2 -4-
PAF.011.670.26	1 x	Washer 8.4 x 24 x 2 (tab on exhaust pipe) ⇒ Figure 2 -5-
PAB.253.353.00	1 x	Pressure spring (tab) ⇒ Figure 2 -6-
PAC.253.295	1 x	Tab AL552 ⇒ Figure 2 -7-
PAB.253.205.00	1 x	Spacer tube Ø 24 x 32 (upper tab) ⇒ Figure 2 -8-
PAB.253.205.A	2 x	Spacer tube Ø 30 x 16 (lower tab) ⇒ Figure 2 -9-
PAB.253.149	1 x	Rubber bush, Ø 42 x 29 (lower tab) ⇒ Figure 2 -10-
4H0.821.213	2 x	Speed nut 28 x 18 x 11 ⇒ Figure 2 -11-
PAB.253.099.00	1 x	Exhaust pipe holder with front silencer ⇒ Figure 2 -12-
N.107.367.01	2 x	Cheese head bolt with internal multiple-tooth socket M8 x 20 (exhaust pipe holder with front silencer) ⇒ Figure 2 -13-

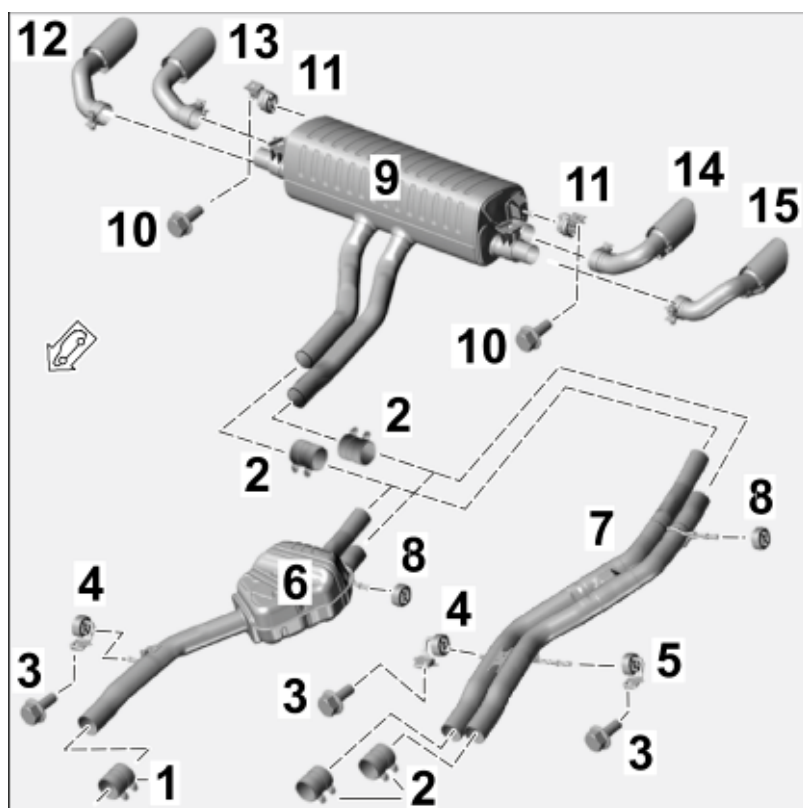


Figure 3

Scope of exhaust system – center, rear silencer (NSD) and sports tailpipes area ⇒ Figure 3

PAB.253.141.20 ¹	1 x	Clamping sleeve, Ø 75 x 88 ⇒ Figure 3 -1-
958.111.220.10	2 x	Clamping sleeve, Ø 65 x 88 ⇒ Figure 3 -2-
N.106.978.01	1 x	Hexagon-head bolt, M10 x 30 ⇒ Figure 3 -3-
PAB.253.144.01	1 x	Holder for center silencer (MSD), front right ⇒ Figure 3 -4-
PAB.253.409 ¹	1 x	Center silencer assembly (MSD, -PPF) ⇒ Figure 3 -6-
9Y0.253.088.L	1 x	Center silencer assembly (+PPF) ⇒ Figure 3 -7-
PAB.253.147.00	1 x	Retaining ring for center silencer, rear left ⇒ Figure 3 -8-
N.106.421.01	2 x	Hexagon-head bolt, M8 x 25 ⇒ Figure 3 -10-
PAB.253.144.03	2 x	Holder for rear silencer (NSD) ⇒ Figure 3 -11-
PAF.038.549	8 x	Expansion rivet, A8 x 12 (air guide for tunnel, underbody panelling, not shown)
N.106.296.02	8 x	Hexagon head screw M10 x 35 (underbody crossbeam)
9Y0.253.824.DG ²	1 x	Sports tailpipe in silver, outer right ⇒ Figure 3 -12-
9Y0.253.824.DL ²	1 x	Sports tailpipe in silver, inner right ⇒ Figure 3 -13-
9Y0.253.823.EC ²	1 x	Sports tailpipe in silver, inner left ⇒ Figure 3 -14-
9Y0.253.823.DQ ²	1 x	Sports tailpipe in silver, outer left ⇒ Figure 3 -15-

9Y0.253.824.DH ²	1 x	Sports tailpipe in dark bronze, outer right (not shown)
9Y0.253.824.DM ²	1 x	Sports tailpipe in dark bronze, inner right (not shown)
9Y0.253.823.ED ²	1 x	Sports tailpipe in dark bronze, inner left (not shown)
9Y0.253.823.DT ²	1 x	Sports tailpipe in dark bronze, outer left (not shown)

1 **ONLY** contained in set for vehicles WITHOUT PPF (9Y0.044.234/9Y0.044.234.A).

2 **ONLY** contained in respective set.



Figure 4

Scope of electrical system – exhaust flaps and interior mechanism area (⇒ Figure 4):

9Y0.907.159.CD	1 x	Engine noise control unit (not shown)
9Y0.044.210.A	1 x	Wire harness assembly for exhaust flaps ⇒ Figure 4 -1-
— — 3	1 x	Grommet (internal Ø 66.5 – left side) ⇒ Figure 4 -2-
— — 3	1 x	Grommet (internal Ø 46 – right side) ⇒ Figure 4 -3-
— — 3	1 x	Corrugated hose, 4.5 x 7.6 x 220 ⇒ Figure 4 -4-
— — 3	1 x	Corrugated hose, 4.5 x 7.6 x 230 (not shown)
— — 3	2 x	Plug socket (4-pin) ⇒ Figure 4 -5-
— — 3	2 x	15-A fuse (not shown)

N.912.052.01	4 x	Cheese head bolt with internal multiple-tooth socket M10 x 35 (front seat) ⇒ <i>Figure 4 -6-</i>
N.020.902.2	20 x	Tie-wrap, 3.6 x 246 (not shown)
999.513.052.40	10 x	Tie-wrap 4.8 x 188 (not shown)
999.607.085.00	1 x	15 A fuse (not shown)

³ Contained in the "Wire harness assembly for exhaust flaps (9Y0.044.210.A)" set.



Information

ONLY in the event of repairs/replacement:

Items **WITH** / **WITHOUT** a part number in the parts list can be found/ordered from the Porsche Electronic Parts Catalogue = PET.

Check model year and vehicle equipment (I-no.) in the standard catalogue!

Material:	000.043.172.00	1 x	Sealing cord
	— — —	1 x	Commercially available rust solvent, e.g. WD40
	— — —	1 x	Wrapping/insulating tape (commercially available)
	— — —	1 x	Auxiliary line (Tekalan or Teflon hose) approx. 1,500 mm long

Tool:

P90999 - P90999 - PIWIS Tester 4

VAS 6935 - Pole terminal puller

VAS 6931A - Transmission and gearbox jack

V.A.G 1331A - Torque wrench 6-50 Nm (4.5-37 ftlb.)

- Assembly:
- 1 Preparatory work
 - 1.1 Drive the vehicle onto a lifting platform and connect a battery charger. ⇒ *Workshop Manual '2X00INC8 Battery trickle charging'*
 - 1.2 Expose the sill area (left) in the passenger compartment



Information

The help of another person is required for this step.

- 1.2.1 Remove (left) front seat. ⇒ *Workshop Manual '720119A6 Remove and install front seat'*
- 1.2.2 Remove the lower part of the A-pillar trim panel (left). ⇒ *Workshop Manual '705719A5 Removing and installing A-pillar trim panel (lower part)'*

- 1.2.3 Remove the lower part of the B-pillar trim panel (left). ⇒ *Workshop Manual '706719A4 Removing and installing B-pillar trim panel (lower part)'*
- 1.2.4 Remove side trim panel for luggage compartment (left/right).
- Basic version: ⇒ *Workshop Manual '700319A4 Remove and install rear boot side trim panel'*
 - Coupé: ⇒ *Workshop Manual '700319A4 Remove and install rear boot side trim panel'*
- 1.2.5 Remove the lower part of the C-pillar trim panel (left). ⇒ *Workshop Manual '706819A2 Removing and installing C-pillar trim panel (lower part)'*

1.3 Exposing plenum panel area

Remove the cowl panel cover. ⇒ *Workshop Manual '508719A1 Removing and installing cowl panel cover'*

1.4 **ONLY** for vehicles WITHOUT petrol particulate filter (PPF; emissions concept = OGB/7CE/7GH/7MM):

- 1.4.1 Remove the engine cover (design cover). ⇒ *Figure 8 -2- ⇒ Workshop Manual '108319 Removing and installing engine cover - T9I'*

- 1 – Filling neck for windshield-washer reservoir
- 2 – Engine cover (design cover)
- 3 – Strut brace (installation position of engine sound control unit)

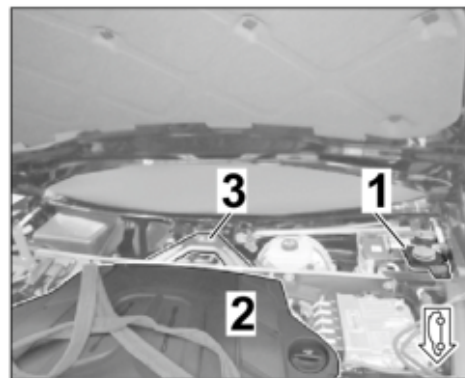


Figure 8

- 1.4.2 Remove the air cleaner housing.
⇒ *Workshop Manual '242519 Removing and installing air cleaner housing - T9I, TB5'*
- 1.4.3 Raise the vehicle. ⇒ *Workshop Manual '4X00INE2 Raise the vehicle'*
- 1.4.4 Remove the exhaust pipe with front silencer. ⇒ *Workshop Manual '267319 Removing and installing catalytic converter'*
- 1.5 Raise the vehicle. ⇒ *Workshop Manual '4X00INE2 Raise the vehicle'*



Hot components

- **Risk of burns**
- ⇒ **Let hot components cool down.**
- ⇒ **Wear personal protective gear.**

1.6 Work in the exhaust system area

- 1 – Rear underbody cover
- 2 – Rear tunnel cover
- 3 – Front underbody cover (rear section)
- 4 – Tailpipe (left/right)

1.6.1 Remove the rear underbody cover and rear tunnel cover. ⇒ Figure 9 -1 and 2- ⇒ Workshop Manual '519419 Removing and installing rear underbody cover'

1.6.2 Remove the front underbody cover (rear section). ⇒ Figure 9 -3- ⇒ Workshop Manual '51921900 Removing and installing front underbody cover'

1.6.3 Remove the tailpipe (left/right). ⇒ Figure 9 -4- ⇒ Workshop Manual '263419 Removing and installing tailpipe - T9I'

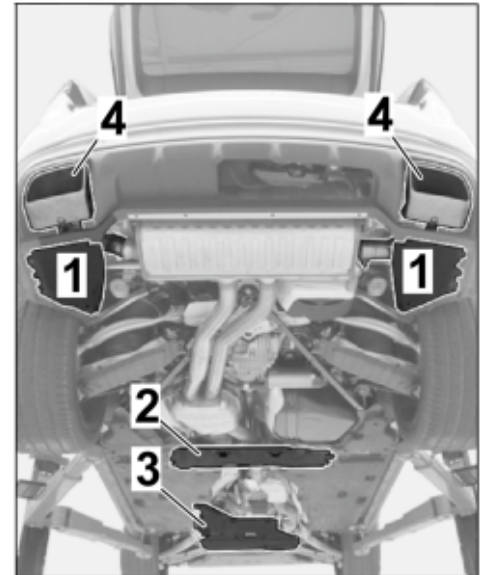


Figure 9

**Heavy components**

- **Risk of squashing**
- ⇒ **Wear personal protective gear.**
- ⇒ **Get someone to help if necessary.**

1.6.4 Remove the exhaust system **WITHOUT** removing tunnel strut. ⇒ Workshop Manual '260119 Removing and installing exhaust system - T9I'

2 Replace engine noise control unit

- 2.1 Check whether there is a tie-wrap on the side tab on the new engine noise control unit. Remove the tie-wrap if necessary.

- 2.2 Disconnect plug connection for the standard engine noise control unit and remove engine noise control unit with holder. ⇒ *Figure 10*

- 1 – Control unit holder
- 2 – Engine noise control unit
- 3 – Wire harness engine noise
- 4 – Line clip
- 5 – Dome strut
- 6 – Engine noise pulse sender (LHD position)

- 2.3 Replace engine noise control unit

- 2.3.1 Remove standard engine noise control unit from the strut brace.

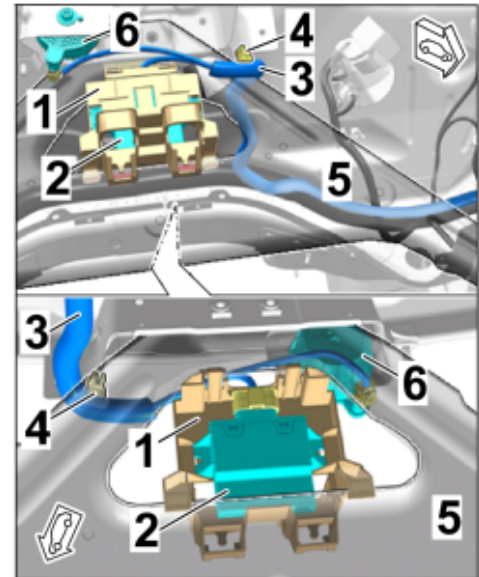


Figure 10

- 2.3.2 Insert new engine noise control unit at the underside in the control unit holder. ⇒ *Figure 11 -A-*

- 1 – Engine noise control unit
- 2 – Control unit holder
- 3 – Locking/unlocking

- 2.3.3 Push the engine noise control unit in the holder to the opposite side of the plug connection (⇒ *Figure 11 -B-*) until control unit engages in the holder.

- 2.4 Create a plug connection between wire harness and mount control unit with holder on dome strut.

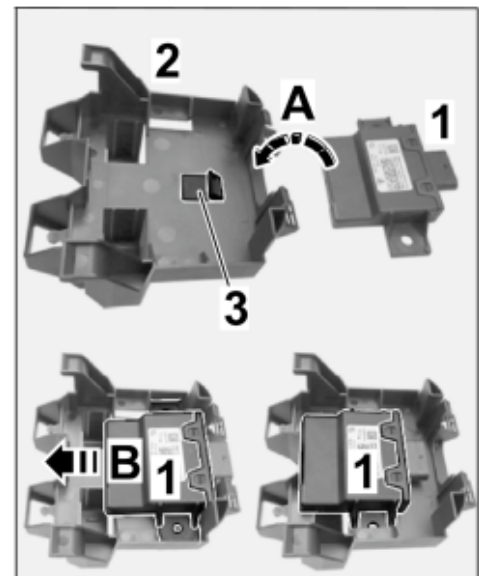


Figure 11

NOTICE

Incorrect line routing

- Risk of damage to lines and hoses
 - Risk of malfunction and storing fault codes in the control unit
- ⇒ Avoid small bending radii when routing lines.

- ⇒ **File down edges and burrs in the routing area or mask them with adhesive tape.**
- ⇒ **Maintain a sufficient distance from components exposed to high temperatures while driving.**

3 Routing and connecting wire harness for exhaust flaps

Connections for wire harness for exhaust flaps:

⇒ *Figure 12*

- 1** – Connector for connection point (preparation of exhaust flaps, 6-pin)
- 2** – Branch for exhaust flap (left)
- 3** – Branch for exhaust flap (right)

- 3.1** Make a plug-in connection (6-pin) between the connection point (preparation) and exhaust flaps

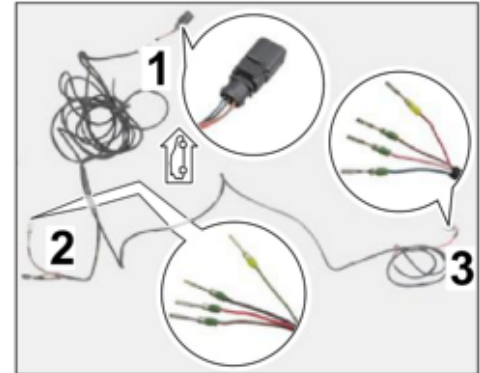


Figure 12

- 3.1.1** Expose the connection point (preparation = socket connector, 6-pin) in the passenger compartment of the vehicle, area of bulkhead grommet, A-pillar left. ⇒ *Figure 13 -A-*

- 1** – Foam preparation (socket connector, 6-pin)
- 2** – Grommet on bulkhead (LHD vehicle)
- 3** – Connector for wire harness for exhaust flaps (6-pin)

- 3.1.2** Push the foam preparation (socket connector, 6-pin) onto the line on the vehicle side.

- 3.1.3** Establish a connection between the plug connection preparation and the wire harness for the exhaust flaps (6-pin). ⇒ *Figure 13 -B-*

- 3.1.4** Push the foam over the plug connection (6-pin).

- 3.2** Lay the wire harness for the exhaust flaps to the rear of the vehicle as follows

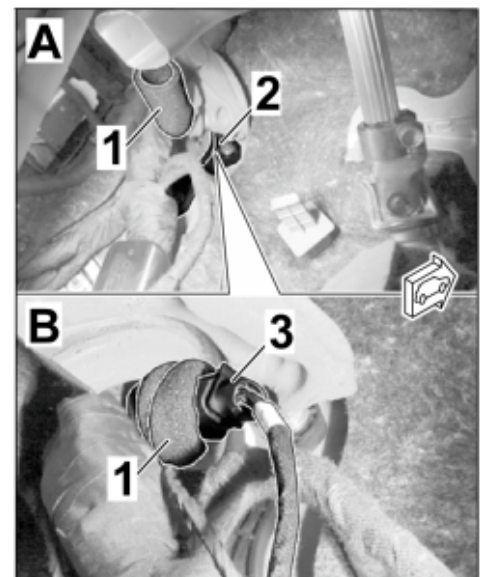


Figure 13

Route of the wire harness for exhaust flaps in the vehicle ⇒ *Figure 14*:

- 1 – Connection point (preparation)
- 2 – Grommet/stopper for boot floor (left)
- 3 – Grommet/stopper for boot floor (right)

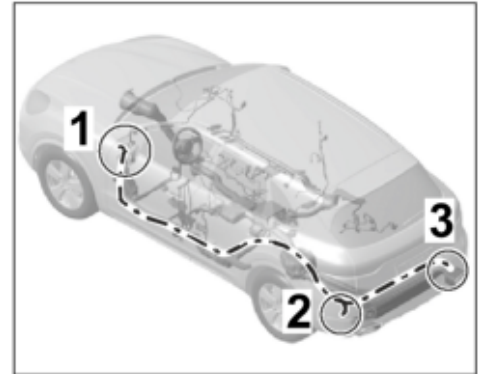


Figure 14

3.2.1 A-pillar area, left ⇒ *Figure 15*

- 1 – Socket connector (6-pin, preparation)
- 2 – Pin connector (6-pin, wire harness for exhaust flaps)
- 3 – Fuses/relays (LHD vehicles)

- **Left-hand drive:** Connecting point (preparation = socket connector, 6-pin) → along wire harness A-pillar, left → beneath fuses/relays (DO **NOT** remove the relay carrier - at most loosen it.) → Door sill A-pillar, left

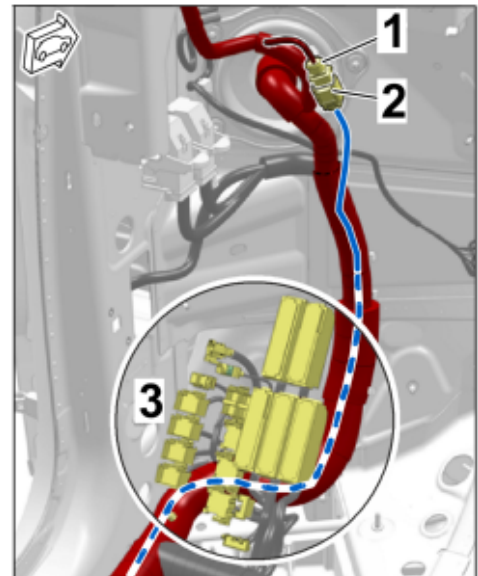
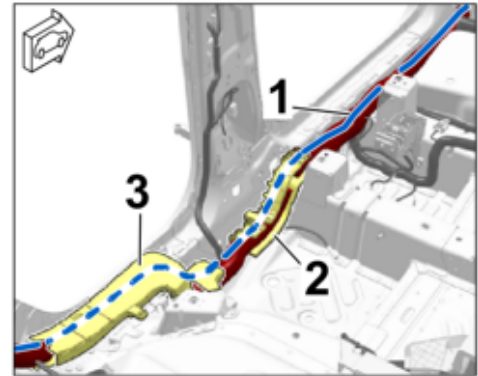


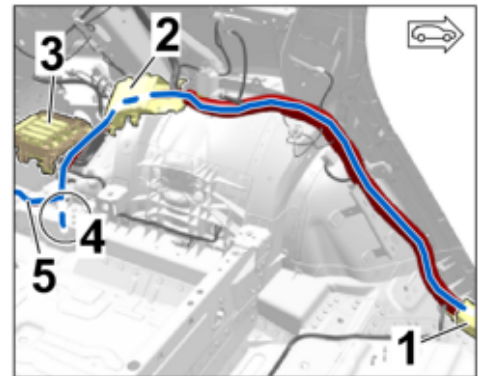
Figure 15

3.2.2 Door sill area, left ⇒ *Figure 16*

- 1 – Wire harness for exhaust flaps
 - 2 – Cable holder, door sill B-pillar area (left)
 - 3 – Cable duct, rear door sill area (left)
- Door sill A-pillar, left → along wire harness for door sill, left (open cable ducts/holders if necessary) → wheel housing, rear left

*Figure 16*3.2.3 Wheel housing area, left ⇒ *Figure 17*

- 1 – Cable duct, rear door sill area (left)
- 2 – Cable duct, rear wheel housing area (left)
- 3 – Fuse box in boot (left)
- 4 – Grommet/stopper for boot floor, left (Ø 66.5 mm)
- 5 – Branch for exhaust flap, right side

*Figure 17*

- Door sill, left → above wheel housing, left → branch for exhaust flap (left) to grommet/stopper for boot floor, left (beneath fuse/relay carrier) → branch for exhaust flap, right of the rear end plate

3.2.4 Rear end plate area and grommet/stopper for boot floor ⇒ Figure 18

- 1 – Branch for exhaust flap (left)
- 2 – Branch for exhaust flap (right)
- 3 – Fuse box in boot (left)
- 4 – Grommet/stopper for boot floor, left (Ø 66.5 mm)
- 5 – Grommet/stopper for boot floor, right (Ø 46 mm)

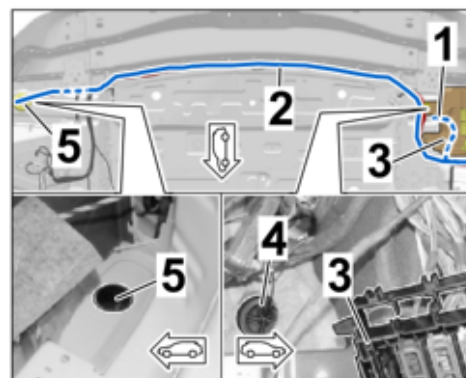


Figure 18

- Branch for exhaust flap (left) to grommet/stopper for boot floor, left (beneath fuse box in boot (left) → branch for exhaust flap on the right to rear closing panel → along rear closing panel (⇒ Figure 18 -top-) → grommet/stopper for boot floor, right.

3.3 Lay the branch for the exhaust flap (left/right) to the underside of the vehicle

3.3.1 Loosen the fuse box with holder in the left rear boot and swivel it aside. ⇒ Figure 19 ⇒ Workshop Manual '978409A8 Loosening and securing fuse box in the boot'

- 1 – Fuse box with holder
- 2 – Grommet (left = Ø 66.5 mm)

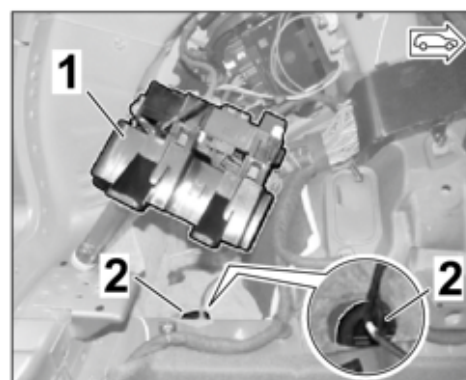


Figure 19

3.3.2 Loosen the heat shield on the underside of the vehicle in the area of the grommet (right/left) and stopper (right/left) and bend it down slightly.

3.3.3 Remove the stoppers in the boot floor (left = Ø 66.5 mm/right = Ø 46 mm). The stopper is replaced by a corresponding grommet (see parts package).

3.3.4 **ONLY** if a grommet with several lines is installed on the underside (including an exhaust flap branch (left/right of the standard rear silencer ⇒ *Figure 20*):

- 1 – Grommet
- 2 – Branch for exhaust flap
- 3 – Exhaust flap (standard rear silencer)

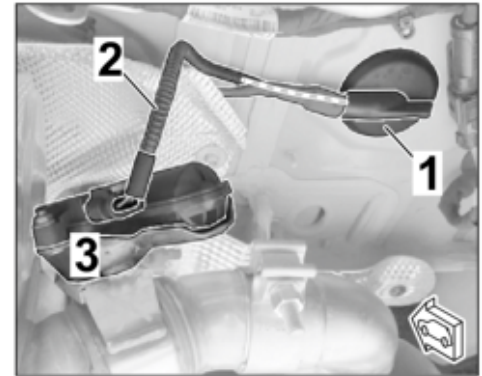


Figure 20

- Remove grommet(s) (left/right) with branches and guide it into the passenger compartment.
- Remove the connector housing from the respective exhaust flap branch (left/right of the standard rear silencer).
- Spread the grommet using a three mandrel pliers for hoses and grommets (commercially available) and remove adhesive residue from the grommet.
- **CAREFULLY** guide the exhaust flap standard branch through the grommet into the passenger compartment and wrap it with insulating tape and secure it.
- Guide the new branch for the exhaust flap (left/right) through the neck of the grommet (see also 3.3.6) **OR** through another hole in the grommet collar (⇒ *Figure 21*) **CAREFULLY** to the underside of the grommet.

- 1 – Grommet
- 2 – Branch for exhaust flap (left/right)
- 3 – Additional electric line

3.3.5 **ONLY** if a grommet is installed with the exhaust flap branch (left/right of the standard rear silencer):

- Remove grommet(s) with branch connections to the exhaust flap (left/right) and guide it/them into the passenger compartment.
- Tie back the exhaust flap branch (left/right) with the connector and grommet on the wire harness on the vehicle side in the passenger compartment.
- Use a new grommet (left = Ø 66.5 mm/right = Ø 46 mm, see scope of parts) (see also 3.3.6).

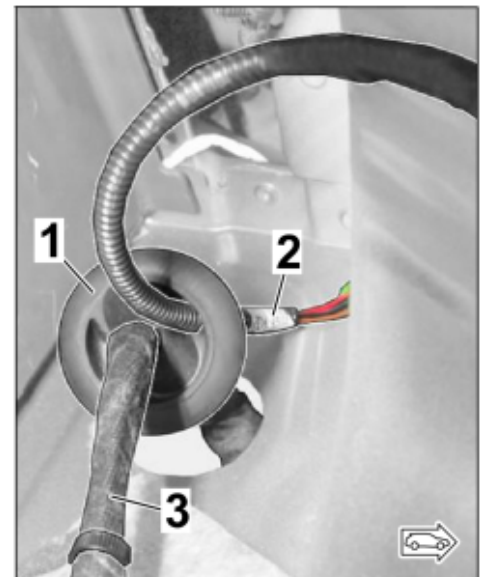


Figure 21

3.3.6 **ONLY** if stopper (left = Ø 66.5 mm/right = Ø 46 mm) is installed:

- Remove the stoppers (left = Ø 66.5 mm/right = Ø 46 mm).
- Use a new grommet (left = Ø 66.5 mm/right = Ø 46 mm, see scope of parts) (see also 3.3.6).

3.3.7 Guide the new branch for the exhaust flap (left/right) through the new grommet (left = Ø 66.5 mm/right = Ø 46 mm) using three mandrel pliers and an auxiliary line (Tekalan or Teflon tube). ⇒ Figure 22

- 1 – Three mandrel pliers
- 2 – Grommet, right (Ø 46 mm)

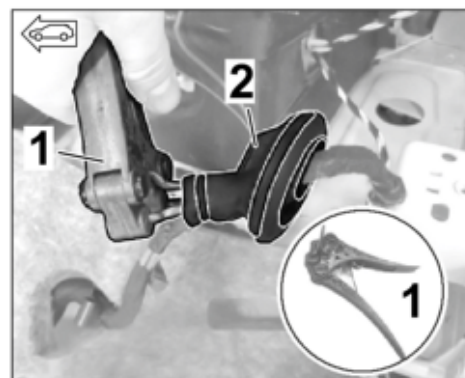


Figure 22

3.4 Installing the socket housing on the exhaust flap branch

3.4.1 Release the socket housing (4-pin, see parts list). ⇒ Figure 23 -A-

- 1 – Fuse
- 2 – Plug socket (4-pin)

3.4.2 Connect the lines with female contacts and single-core seals (wire harness for exhaust flaps) in the socket housing (4-pin, see parts list) as follows:

- Left exhaust flap:

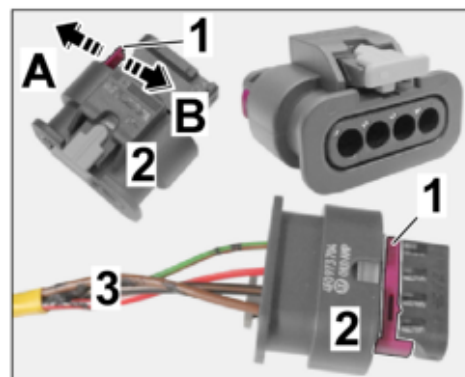


Figure 23

Plug socket (4-pin)	Line/function
Chamber 1	BN; 0.5 ² = Terminal 31 (ground)
Chamber 2	SW/BN; 0.75 ² = Pulse Width Module (PWM)
Chamber 3	RT/WS; 0.5 ² = Terminal 87 (power supply, fuse)
Chamber 4	GN/RT; 0.35 ² = Pulse Width Module out (PWM)

- Right exhaust flap:

Plug socket (4-pin)	Line/function
Chamber 1	BN; 0.5 ² = Terminal 31 (ground)

Chamber 2	SW/BL; 0.5 ² = Pulse Width Module (PWM)
Chamber 3	RT/WS; 0.5 ² = Terminal 87 (power supply, fuse)
Chamber 4	RT/SW; 0.35 ² = Pulse Width Module out (PWM)

- 3.4.3 Lock the socket housing (4-pin, see parts list). ⇒ *Figure 23 -B-*
- 3.4.4 Wrap cables (4 x) with insulating tape from a distance of approx. 30 mm from the connector (socket housing 4-pin) as far as the underbody.
- 3.4.5 Install corrugated hose 4.5 x 7.6 x X to each branch from a distance of approx. 30 mm from the connector (socket housing 4-pin) to the underbody. ⇒ *Figure 24*

- 1 – Corrugated hose, 4.5 x 7.6 x X
- 2 – Connector (socket housing 4-pin)
- 3 – Branch for exhaust flap (right)
- 4 – Cable tie
- X – approx. 30 mm

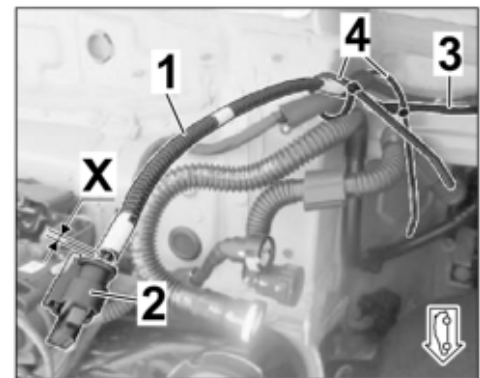


Figure 24

- Left side: Corrugated hose, 4.5 x 7.6 x 220
- Right side: Corrugated hose, 4.5 x 7.6 x 230

- 3.5 Check the fuse assignment of exhaust flaps and engine sound pulse generator in the fuse box in the left A-pillar footwell. ⇒ *Figure 25* (⇒ Cayenne Owner's Manual, "Fuses" section)

- 1 – Fuse strip A
- 2 – Fuse strip D

- 3.5.1 Check that slot A4 is inserted into fuse strip A (exhaust flaps) and secure with a new fuse if necessary.

Fuse: **Nominal value 7.5 A**

- 3.5.2 Check that slot D3 is inserted into fuse strip D (structure-borne noise control unit, engine noise generator) and secure with a new fuse if necessary.

Fuse: **Nominal value 15 A**



Figure 25

4 Install new exhaust system

4.1 **ONLY** for vehicles WITHOUT petrol particulate filter (PPF; emissions concept = OGB/7CE/7GH/7MM):

- 1 – Spacer tube $\varnothing$ 24 x 32
- 2 – Tab AL552
- 3 – Compression spring
- 4 – Washer, 8.4 x 24 x 2
- 5 – Cheese head bolt with multiple-tooth socket, M8 x 50
- 6 – Spacer pipe $\varnothing$ 30 x 16
- 7 – Rubber bush, $\varnothing$ 42 x 29

4.1.1 Install exhaust pipe with front silencer. $\Rightarrow$ Workshop Manual '267319 Removing and installing catalytic converter'

Install new exhaust pipe with a new seal and new spring/tab assembly ($\Rightarrow$ Figure 26).

Secure exhaust pipe on the transmission support using restraining strap for securing loads, for example, to prevent it from bending down.

4.1.2 Install the air cleaner housing. $\Rightarrow$ Workshop Manual '242519 Removing and installing air cleaner housing - T9I, TB5'

4.1.3 Install engine cover (design cover). $\Rightarrow$ Workshop Manual '108319 Removing and installing engine cover - T9I'

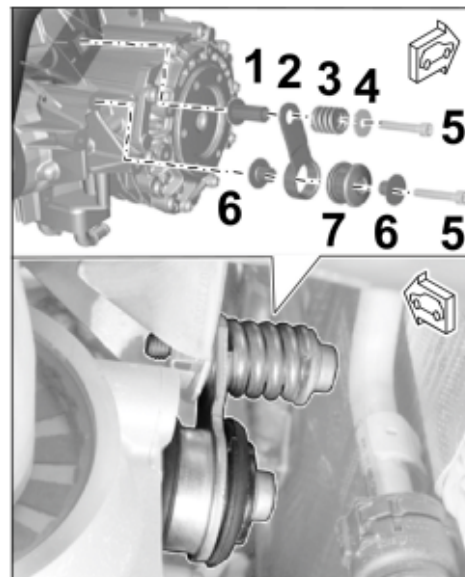


Figure 26

- 4.2 Install new center silencer with new clamping sleeve $\varnothing 65 \times 88$ (2 x – vehicles WITH PPF, emissions concept = 4WE/7CR/7CV) or clamping sleeve $\varnothing 75 \times 88$ (1 x – vehicle WITHOUT PPF = OGB/7CE/7GH/7MM).

- 1 – Clamping sleeve, $\varnothing 75 \times 88$
- 2 – Holder for center silencer, front, right
- 3 – Center silencer (WITHOUT PPF)
- 4 – Center silencer retaining ring
- 5 – Clamping sleeve, $\varnothing 65 \times 88$
- 6 – Rear silencer
- 7 – Sports tailpipes in dark bronze, left
- 8 – Sports tailpipes in dark bronze, right

- Hexagon flange bolt, M10 x 30 (center silencer holder): **Tightening torque 49 Nm (36.1 ftlb.)**
- Clamping sleeve, $\varnothing 65 \times 88 / \varnothing 75 \times 88$: **Tightening torque 30 Nm (22.1 ftlb.)**

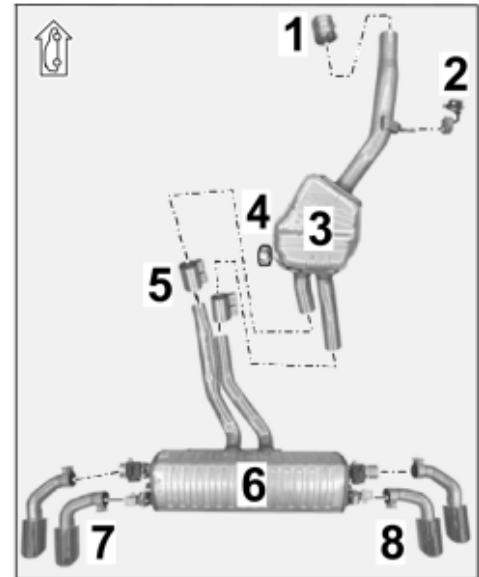


Figure 27

- 4.3 Install new rear silencer with a new clamping sleeve, $\varnothing 65 \times 88$ (2 x). $\Rightarrow$ Workshop Manual '263355 Replace rear silencer'

- Hexagon flange bolt, M8 x 25 (rear silencer holder): **Tightening torque 23 Nm (17 ftlb.)**
- Clamping sleeve, $\varnothing 65 \times 88$: **Tightening torque 30 Nm (22.1 ftlb.)**

- 4.4 Connect electric plug connections for servo motor for exhaust flap (left/right).

- 4.4.1 Pull the excess branch wire for the exhaust flap (left/right) towards the grommet in the floor of the vehicle.
- 4.4.2 Seal the line bushing for the exhaust flap in the grommets (left/right) from the inside and outside using sealing cord.

- 4.5 Install new sports tailpipes (silver or dark bronze) and align them with the rear apron.
 ⇒ *Installation and Conversion Instructions '263400 Sports tailpipe, twin-branch – silver (OP3)/dark bronze (OP6)'*

- 1 – Sports tailpipe – inner (right)
- 2 – Sports tailpipe – outer (right)
- 3 – Exhaust system panel (rear panel)

- 4.5.1 Check that the gap between the new sports tailpipes and the exhaust system cover (rear panel – left and right side of vehicle) is symmetrical and consistent. Adjust if necessary.

⇒ *Figure 28 -Z-*: **Check value 21 mm +/-1 mm**

- 4.5.2 Check spacing of inner/outer sports tailpipe (left and right side of vehicle). Adjust if necessary.

⇒ *Figure 28 -Za-*: **Check value 11 mm +/-1 mm**

- 4.5.3 Tighten pan head screw, M6 x 12 (underside of sports tailpipe cover).

Tightening torque 8 Nm (5.9 ftlb.) +/-1 Nm (0.7 ftlb.)

- 4.6 Install all covers to the underbody of the vehicle.

5 Concluding work for vehicle interior/engine compartment

- 5.1 Secure routed wire harness (for exhaust flaps) in the vehicle to existing lines/components with tie-wraps without tensile stress and so that no chafing occurs.
- 5.2 Install the lower part of the C-pillar trim panel (left). ⇒ *Workshop Manual '706819A2 Removing and installing C-pillar trim panel (lower part)'*
- 5.3 Install side trim panel for boot (left/right).
 - Basic version: ⇒ *Workshop Manual '700319A4 Remove and install rear boot side trim panel'*
 - Coupé: ⇒ *Workshop Manual '700319A4 Remove and install rear boot side trim panel'*
- 5.4 Install the lower part of the B-pillar trim panel (left). ⇒ *Workshop Manual '706719A4 Removing and installing B-pillar trim panel (lower part)'*
- 5.5 Install the lower part of the A-pillar trim panel (left). ⇒ *Workshop Manual '705719A5 Removing and installing A-pillar trim panel (lower part)'*
- 5.6 Install front seat (left) ⇒ *Workshop Manual '720119A6 Removing and installing front seat'*

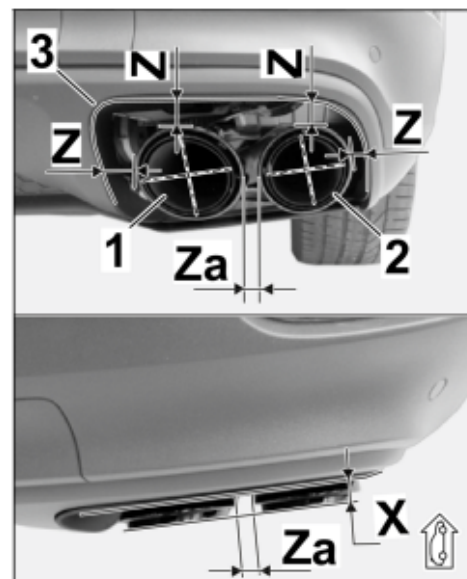


Figure 28

5.7 Complete the plenum panel area.

Install the cowl panel cover. ⇒ *Workshop Manual '508719A1 Removing and installing cowl panel cover'*

Coding: 6 Coding/programming sports exhaust system - silver (OP8)/dark bronze (OP9)

NOTICE**Voltage drop**

- Risk of irreparable damage to control unit
 - Risk of damage to control unit
 - Fault entries in the control unit
 - Coding in the control unit is aborted
 - Malfunctions in control unit, even during programming
- ⇒ Prior to disconnecting the control unit, switch off ignition and remove ignition key.
- ⇒ Ensure that the power supply is not interrupted during programming.
- ⇒ Connect a battery charger with a current rating of at least 90 A to the vehicle battery.

6.1 Preparatory work – Coding

NOTICE

Control unit programming will be aborted if the WLAN connection is unstable.

- An unstable WiFi connection can interrupt communication between the PIWIS Tester and the vehicle communication module (VCI). As a result, control unit programming may be aborted.
- ⇒ During control unit programming, always connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable.

6.1.1 Connect **P90999 - P90999 - PIWIS Tester 4** to the vehicle and switch it on.

6.1.2 Switch on ignition **AND** hazard warning lights on the vehicle.

**Information**

The **PIWIS Tester** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms. Different text or additional information may appear on the **PIWIS Tester**.

6.1.3 Select the "Diagnostics" menu item on the PIWIS Tester.

- 6.1.4 If **P90999 - P90999 - PIWIS Tester 4** is connected correctly, a connection to the vehicle will be established: "Cayenne" model line is detected.
- 6.1.5 Press **F12** to go to the control unit search screen.
- 6.1.6 Question: "Should a VAL be created?" If "Yes", press **F12** to confirm.
- 6.1.7 Select "KD-VAL" in the next menu item and press **F8** to start.

**Information**

The function is **ONLY** available when the Tester is online!

- 6.2 Enter the new vehicle equipment in the vehicle data using "PIWIS Online"
- 6.2.1 Press **F7** in the control unit overview to switch to the "Additional menu".
- 6.2.2 Select the "Maintain vehicle data with PIWIS-ONLINE" function.
- A message appears informing you that the "Actual" (vehicle) data and "Required" (PIWIS Online) data will be synchronized.
- Press **F12** to continue.
- 6.2.3 Information "The vehicle data was synchronized with PIWIS Online." Significant differences were found" Press **F12** to confirm.
- 6.2.4 Look for the option "INTERIOR SOUND MEASURES (VW SILENCERS)" in the "Family" column.
- Select the option "2HB – INTERIOR SOUND MEASURES (SHAKER)" from the drop-down menu in the "Value" column.
- 6.2.5 Look for the option "EXHAUST TAILPIPE" in the "Family" column.
- Select "OP8 – SPORTS EXHAUST SYSTEM – STAINLESS-STEEL TAILPIPES" or "OP9 – SPORTS EXHAUST SYSTEM – BLACK TAILPIPES" from the drop-down menu in the "Value" column, depending on the installed option.
- Press **F12** to continue.
- 6.2.6 A table containing the coding value and the columns "new value" and "old value" is displayed in the overview. Press **F8** to continue.
- 6.2.7 Data is then written/saved. The following messages appear one after the other:
- Vehicle data is transferred to PIWIS Online.
 - Vehicle data is written and transferred to the vehicle.
 - Vehicle order written successfully.
 - A check was performed in order to check whether control units have to be coded or programmed as a result of the changes that were made.

6.3 Code/program the new vehicle equipment.

6.3.1 Confirm the table containing a list of control units that must be coded/programmed, by pressing **(F12)**.

6.3.2 Individual data records will be loaded, depending on the number of control units to be coded/programmed.

Information "Creating backup documentation. Please wait ... and "Coding was completed successfully". Press **(F12)** to continue.

Repeat the process for other control units if necessary.

6.3.3 Wait for information "Adaptation of the control units is complete." and check the coding status of the control units in the displayed table.

Continue by pressing **(F12)** to return to the control unit overview.

6.4 Read out the fault memory of all systems, work through any existing faults and erase the fault memory. ⇒ *Workshop Manual '033500A3 Fault memory for on board diagnostics'*

6.5 Switch off ignition and disconnect **P90999 - P90999 - PIWIS Tester 4**.

6.6 Drive the vehicle off the lifting platform.

7 Perform "Sports exhaust system" function test

7.1 Start the engine.

7.2 Activate/deactivate the sports exhaust system, depending on vehicle equipment, using the following option:

- Porsche Communication Management: Select the menu "Car" → "Drive" → "Sports exhaust system"
- Porsche Communication Management: Select "SPORT" or "SPORT PLUS"

7.3 Switching off ignition

26 01 31 25: **ONLY** for vehicles WITHOUT petrol particulate filter (PPF; emissions concept = OGB/7CE/7GH/7MM):

– Retrofitting sports exhaust system (1 x)–

Labor time: **583 TU**

Includes: Replace engine noise control unit;
Route and connect wire harness for exhaust flaps;
Install new exhaust pipe with front silencer (WITHOUT PPF);
Install new center and rear silencers;
Install and align new sports tailpipes (4 x);
Code the sports exhaust system;
Read out fault memory, correct faults and delete them.

Without: Test drive

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