

Sports Exhaust System OP8/OP9

Vehicle Type: **911 Turbo (992), 911 Turbo S (992)**

Model Year: **As of 2020**

Cause: **Retrofitting**



Information



Figure 1

Notes: In the sports exhaust system, the signal for activating the flaps in the muffler comes from the respective current map in the DME control unit. This depends on the driving status and accelerator pedal position, among other things.

The engine power and exhaust behavior of the vehicle are not affected.

The sports exhaust system is also available straight from the factory for new vehicles.

Switching the sports exhaust system on and off:

- Quick-access button in the keypad (below PCM, see also “911 – Good to know” – “Practical Tips” and “Strip for switches”)
- Quick-access button on the multi-function steering wheel (if installed, see also “911 – Good to know” – “Practical Tips” and “Instrument cluster”)

Parts Info:

**Information**

Before ordering the additional parts:

Check vehicle equipment and country versions in the Porsche Electronic Parts (PET) catalog!

992.044.220

⇒ Sports exhaust system – Tailpipe in Black chrome-plated look, set

992.044.221

⇒ Sports exhaust system – Tailpipe in Silver chrome-plated look, set

Order center console button with sports exhaust system button in the same way using VIN filter in the PET. Check existing I number and order the switch with the additional sports exhaust system button.

992.941.209 XX

Center console button

Parts List:

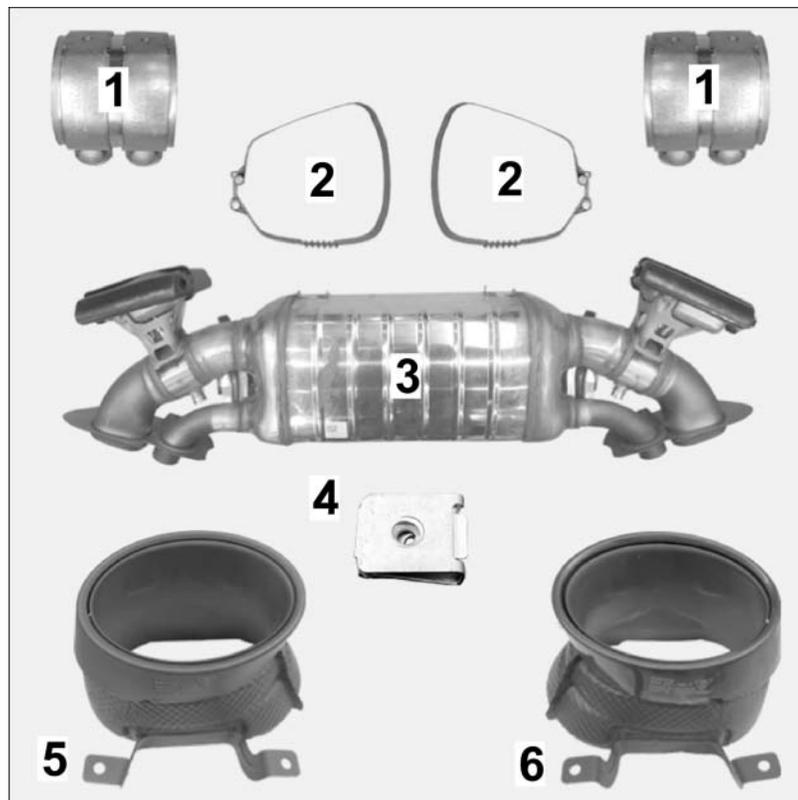


Figure 2

992.253.143.A

2x

Clamping sleeve, \varnothing 70 x 75 ⇒ Figure 2-1-

992.251.571

2x

Restraining strap ⇒ Figure 2-2-

992.298.019.C

1x

Muffler assembly for sports exhaust system ⇒ Figure 2-3-

| | | |
|-----------------------------|----|---|
| N.912.425.01 | 6x | Speed nut, St 4.8 x 22 x 18 (exhaust pipe cover) ⇒ <i>Figure 2-4-</i> |
| | | Part not included in set, old part must be converted |
| 992.251.187.AN ¹ | 1x | Sports tailpipe, Black chrome-plated, left ⇒ <i>Figure 2-5-</i> |
| 992.251.188.AN ¹ | 1x | Sports tailpipe, Black chrome-plated, right ⇒ <i>Figure 2-6-</i> |
| 992.251.187.AM ¹ | 1x | Sports tailpipe, Silver chrome-plated, left (not shown) |
| 992.251.188.AM ¹ | 1x | Sports tailpipe, Silver chrome-plated, right (not shown) |

¹ **ONLY** contained in respective set.

The set contains the following parts:

| | | |
|--------------------------|----|---|
| 992.807.883.L.OK1 | 1x | PU part cover, center rear |
| 992.807.833.E.OK1 | 1x | Exhaust pipe cover, left |
| 992.807.834.E.OK1 | 1x | Exhaust pipe cover, right |
| 992.807.954.D.OK1 | 1x | Air outlet grille for charge-air cooler |
| 9A7.253.115.00 | 1x | Seal |

| | | |
|--------|--|--|
| Tools: | P90999 - PIWIS tester 4 | Transmission and gearbox jack |
| | Torque wrench 2-10 Nm (1.5-7.5 ftlb.) | Torque wrench, 40-200 Nm (30-148 ftlb.) |
| | Restraining strap for securing loads | Torch |

- Assembly:
- 1 Preparatory work
 - 1.1 Drive vehicle onto a lifting platform (⇒ *Workshop Manual '4X00IN Lifting the vehicle*).
 - 1.2 Connect battery charger (⇒ *Workshop Manual '2X00IN Trickle charging 12-volt lithium-ion battery*).
 - 1.3 Remove wheels on rear axle (⇒ *Workshop Manual '440519 Removing and installing wheel*).
 - 1.4 Remove rear apron (⇒ *Workshop Manual '440519 Removing and installing rear apron*).
 - 1** – Air guide for charge-air cooling
 - 2** – Bumper bracket with foam section
 - 1.5 Remove rear bumper (⇒ *Workshop Manual '440519 Removing and installing rear bumper', ⇒ Figure 4*)
 - 2 Replace muffler

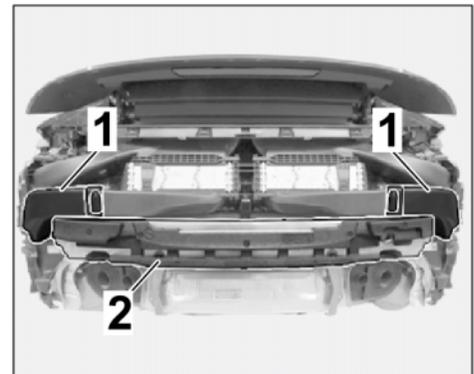


Figure 4

⚠ CAUTION**Hot components**

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

⚠ CAUTION**Heavy components**

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

2.1 Position **engine and gearbox jack** under the exhaust system (in transfer box area) and secure the exhaust system with restraining straps to prevent it from falling down.

2.2 Disconnect electric plug connection for exhaust flap (left/right) on the muffler.

**Information**

The help of another person is required for this step.

2.3 Remove silencer (⇒ *Workshop Manual '440519 Removing and installing rear silencer'*)

2.4 Install new silencer for sports exhaust system (⇒ *Workshop Manual '440519 Removing and installing rear silencer'*)

2.4.1 Engage new restraining straps (2 pc(s)) with screw heads facing downwards on the muffler holder (⇒ *Figure 5*).

- 1 - New restraining strap (2 x)
- 2 - Muffler holder

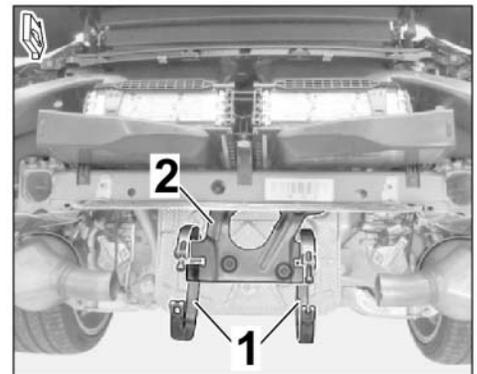


Figure 5

2.4.2 Remove transport protection shell on the new muffler in the exhaust flap connector area (⇒ *Figure 6*).

- 1 – Transport protection shell
- 2 – Exhaust pipe on muffler (right)

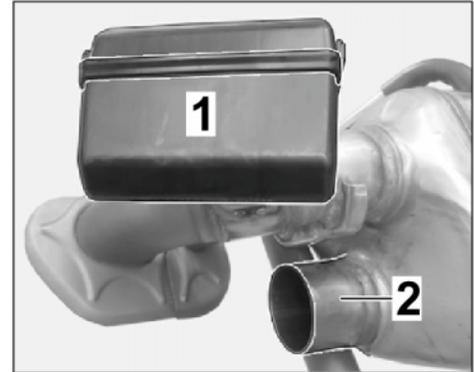


Figure 6

2.4.3 Coat exhaust pipe on catalytic converter (at the left / right) and on the new muffler (at the left / right) with high-temperature grease.

2.4.4 Install new clamping sleeve on catalytic converter exhaust pipe (at the left/right).



Information

The help of another person is required for this step.

2.4.5 Position new silencer for sports exhaust system on the muffler holder and pre-install hand-tight with new restraining straps (2 pc(s)) (⇒ *Figure 7*).

- 1 – Muffler for sports exhaust system
- 2 – Clamping sleeve
- 3 – Restraining strap
- 4 – Protective plate

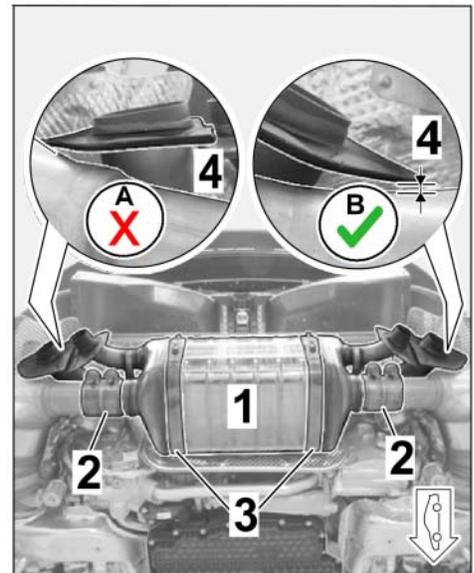


Figure 7

2.4.6 Check whether the protective plate is touching the catalytic converter (⇒ *Figure 7-Magnifiers*).

- If YES (⇒ *Figure 7-A*): Correct the position of the silencer or bend the cover away if necessary so that there is a gap of at least 3–5 mm (⇒ *Figure 7-B*) between the plate and catalytic converter.
- If NO (⇒ *Figure 7-B*): continue with the next step.

2.4.7 Move new clamping sleeves (2 ea. ⇒ *Figure 7-2*) as far as the markings on the exhaust pipe on the catalytic converter/silencer, align the opening horizontally and pre-install hand-tight.

2.4.8 Tighten restraining straps (2 pc(s)).

Tightening torque 15 Nm (11.1 ftlb.) +/-10 %

2.4.9 Tighten clamping sleeves (2 ea.).

Tightening torque 30 Nm (22.1 ftlb.) +/-10 %

2.5 Install rear bumper (⇒ *Workshop Manual '440519 Removing and installing rear bumper'*).

Hexagon-head bolt, M8 x 30 (8 x): **Tightening torque 23 Nm (17 ftlb.)**

Following conversion to the sports exhaust system, the hash button on the center console is no longer required.

3 Replace center console button with the new button (⇒ *Workshop Manual '440519 Removing and installing switch console (centre of dashboard)'*).

4 Modifying rear bumper

4.1 Install rear apron with the supplied parts. Check that the exhaust tailpipe cover is installed correctly and that the gap dimensions are correct. ⇒ *Workshop Manual '440519 Replacing rear bumper'*

5 Final mechanical work

5.1 Install rear apron (⇒ *Workshop Manual '440519 Removing and installing rear apron'*).

5.2 Install wheels on rear axle (⇒ *Workshop Manual '440519 Removing and installing wheel'*).

Coding: 6 Coding/programming sports exhaust system - Silver (OP8) / Black (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**
- ⇒ **Switch off the ignition and remove the ignition key before disconnecting the control unit.**
- ⇒ **Ensure that the power supply is not interrupted during programming.**
- ⇒ **Connect a battery charger with a current rating of at least Nominal value 90 A to the vehicle battery.**

6.1 Preliminary work – Coding

NOTICE

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

- **An unstable Internet connection can interrupt communication between PIWIS Tester 4 and the vehicle communication module (VCI). As a result, control unit programming may be aborted.**
- ⇒ **During control unit programming, always connect PIWIS Tester 4 to the vehicle communication module (VCI) via the USB cable.**

6.1.1 Connect **9900 - PIWIS Tester 3** to the vehicle and switch it on.

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



Information

The **P90999 - PIWIS Tester 4** 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 additions may appear on the **P90999 - PIWIS Tester 4**.

6.1.3 Select the “Diagnostics” menu item on the PIWIS Tester.

6.1.4 If **9900 - PIWIS Tester 3** is connected correctly, a connection to the vehicle will be established: Model line “911” is detected.

6.1.5 Press “•F12” to go to the control unit search screen.

6.1.6 Question: “Should an FAP be created?” If “Yes”, press “•F12” to confirm.



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 compared.

Press “•F12” to continue.

6.2.3 Confirm the message “The vehicle data was compared with PIWIS Online. Significant differences were found” with “•F12”.

6.2.4 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.

6.2.5 A table containing the coding value and the columns "new value" and "old value" is displayed in the overview. Press •F8" to continue.

6.2.6 Data is then written/stored. The following messages appear one after the other:

- Transferring vehicle data to PIWIS Online.
- Writing and transferring vehicle data to the vehicle.
- Vehicle order was 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.

Wait until messages "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 the "Adaptation of the control units is complete." message 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 **ONLY** for vehicles with the following driver assistance systems:

6.4.1 Vehicles with Lane Change Assist / Lane Keep Assist (7Y1 / P60 / P62):
Calibrate control unit for Lane Change Assist. (⇒ *Workshop Manual '917025 Calibrating Lane Change Assist'*)

6.4.2 Vehicles with ParkAssist including reversing camera (KA2):
Calibrate reversing camera (⇒ *Workshop Manual '914325 Calibrating reversing camera'*).

6.4.3 Vehicles with ParkAssist including Surround View (KA6):
Calibrate Surround View camera (⇒ *Workshop Manual '917225 Calibrating Surround View camera'*).

6.5 Read out the fault memory of all systems, work through any existing faults and erase the fault memory. ⇒ *Workshop Manual '0335IN Diagnostic maintenance: diagnostic system and maintenance inter...'*

6.6 Switch off the ignition and disconnect **9900 - PIWIS Tester 3**.

6.7 Drive the vehicle off the lifting platform.

7 Perform "Sports exhaust system" function test

7.1 Start 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" → "Exhaust system"
- Porsche Communication Management: Select "SPORT" or "SPORT PLUS"
- Quick-access button in the keypad (below PCM, see also "911 – Good to know" – "Practical Tips" and "Strip for switches")
- Quick-access button on the multi-function steering wheel (if installed, see also "911 – Good to know" – "Practical Tips" and "Instrument cluster")

7.3 Switching off ignition

26 01 31 00: – Retrofitting sports exhaust system (1 x)– Labor time: **293 TU**

Includes: Removing and installing rear muffler;
Remove and install rear apron, bumper and rear skirt.
Install and align new sports tailpipes (2 x).

Without: Test drive

03 35 00 50: –On-board diagnosis– Labor time: **12 TU**

Includes: Code sports exhaust system (I-no. OP8 or I-no. OP9) in the vehicle data using the PIWIS Tester.

Additional **ONLY** for vehicles with Lane Change Assist/Lane Keep Assist (7Y1 / P60 / P62):

working times: 97 70 25 53: Program Lane Change Assist control unit; Labor time: **47 TU**

Includes: Measure calibration plate on the vehicle.

ONLY for vehicles with ParkAssist including reversing camera (KA2):

91 43 25 53: Programming reversing camera Labor time: **49 TU**

ONLY vehicles with ParkAssist including Surround View (KA6):

91 72 25 50: Programming Surround View camera control unit Labor time: **45 TU**

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