

**Complaint: Threaded Joint on Catalytic Converter Holder Severely Corroded: Rework Catalytic Converter (150/20)**

Model Line: **911 Carrera (992)**

Model Year: **As of 2020 up to 2021**

Subject: **Catalytic converter**

Information: Depending on the respective usage profile of the vehicle, there is a possibility that corrosion can occur at the threaded joint of the catalytic converter holder over the service life of the vehicle under certain environmental and environmental conditions.

Remedial Action: In the event of a complaint, remove weld nuts on the affected side and replace threaded joint.

**Required tools, parts and materials**

- Tools:
- Angle grinder
  - Cutting disc

Parts Information: **Parts required for one catalytic converter:**

Part No.	Designation - Use	Qty.
9A725311500	⇒ Seal - turbocharger	1 ea.
9P1253725A	⇒ Clamp - turbocharger	1 ea.
992253143A	⇒ Clamping sleeve - Exhaust silencer	1 ea.
PAF008145	⇒ External hexalobular bolt - Catalytic converter holder	2 ea.
N 10609201	⇒ Hexagon collar nut - Catalytic converter holder	2 ea.
9P1253725A	⇒ External hexalobular bolt - Decoupling element	1 ea.

Materials: **Required materials for a catalytic converter** (usually already available at the Porsche dealer):

Part No.	Designation - Use	Qty.
00004330537	⇒ Lubricating grease - Oxygen sensors	60 g/ 2.12 oz tube <sup>1)</sup>

<sup>1)</sup> approx. 2 grams/ 0.07 oz required per vehicle.

## Preparatory work

Work Procedure: 1 Remove rear bracket, see ⇒ *Workshop Manual '637319 Removing and installing rear bracket'*.

## Removing catalytic converter



**CAUTION**

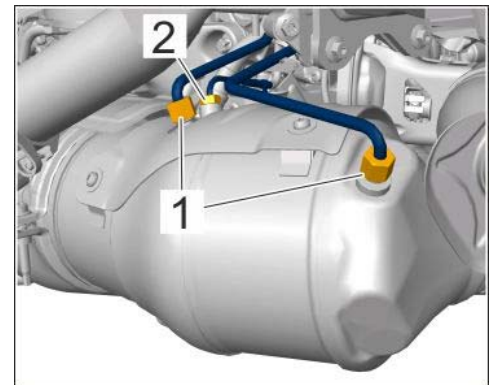
### Hot components

- Risk of burns

⇒ Let hot components cool down.

⇒ Wear personal protective gear.

- 1 Loosen lines for differential pressure sensor and exhaust temperature sensor on the catalytic converter.
  - 1.1 Unscrew union nuts on the exhaust pipes ⇒ *Exhaust pipes on catalytic converter -1-*.
  - 1.2 Unscrew cap screw for exhaust temperature sensor ⇒ *Exhaust pipes on catalytic converter -2-*.



*Exhaust pipes on catalytic converter*

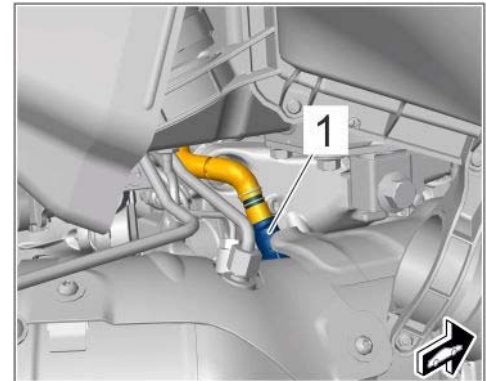


### Information

The oxygen sensors can only be screwed by 4 – 5 turns without disconnecting the electric plug connections.

- 2 Loosen oxygen sensor downstream of catalytic converter.  
⇒ *Workshop Manual '247319 Removing and installing oxygen sensor downstream of catalytic converter'*.

- 2.1 Loosen cable at the retaining clip.
- 2.2 Loosen and unscrew oxygen sensors ⇒ *Oxygen sensor downstream of catalytic converter -1-* at the hexagon.
- 2.3 Secure the oxygen sensors at suitable positions to prevent damage.

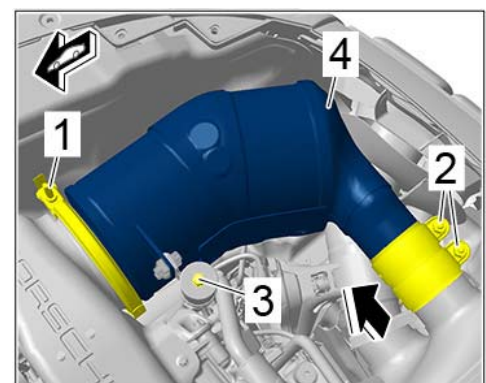


*Oxygen sensor downstream of catalytic converter*



**Information**

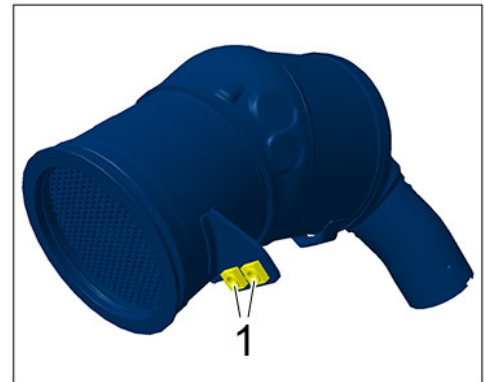
- Spray threaded connections and clamps with anti-rust agent before loosening them.
  - If threaded connections are corroded badly, heat them before removal.
- 3 Remove catalytic converter ⇒ *Catalytic converter with particle filter -4-*.
    - 3.1 Loosen and remove V-band clamp ⇒ *Catalytic converter with particle filter -1-*.
    - 3.2 Loosen clamp ⇒ *Catalytic converter with particle filter -2-* and slide it towards the catalytic converter ⇒ *Catalytic converter with particle filter -Arrow-*.
    - 3.3 Unscrew screw on the decoupling element ⇒ *Catalytic converter with particle filter -3-* and remove catalytic converter ⇒ *Catalytic converter with particle filter -4-*.



*Catalytic converter with particle filter*

**Rework catalytic converter**

Work Procedure: 1 Using an angle grinder, cut the weld nuts ⇒ *Catalytic converter with particle filter -1-* off the catalytic converter leaving a flat surface.



*Catalytic converter with particle filter*

- 2 To install **new** external hexalobular bolts (part no. PAF008145) with **new** hexagon collar nuts (part no. N 10609201).

**Concluding work**

- Work Procedure: 1 Install decoupling element, see ⇒ *Workshop Manual '247319 engine carrier, engine mount'*.
- 2 Install catalytic converter, see ⇒ *Workshop Manual '267319 Removing and installing catalytic converter'*.

**Invoicing**

Invoicing: For documentation and warranty invoicing, enter the labor operations specified below in the warranty claim, depending on the relevant repair, PQIS coding and part numbers:

APOS	Labour operation	I No.
26734101	Repairing left catalytic converter	
26734102	Repairing right catalytic converter	
26734200	Repairing catalytic converters	

PQIS coding:

Location (FES5)	26730	Catalytic converter
Damage type (SA4)	3013	damaged

Parts  
Information:

**Parts required for one catalytic converter:**

Part No.	Designation – Use	Qty.
9A725311500	Seal – turbocharger	1 ea.
9P1253725A	Clamp – turbocharger	1 ea.
992253143A	Clamping sleeve – Exhaust silencer	1 ea.
PAF008145	External hexalobular bolt – Catalytic converter holder	2 ea.
N 10609201	Hexagon collar nut – Catalytic converter holder	2 ea.
9P1253725A	External hexalobular bolt – Decoupling element	1 ea.
00004330537	Lubricating grease – Oxygen sensors	2 grams/ 0.07 oz

- References:
- ⇒ *Workshop Manual '637319 Removing and installing rear bracket'*
  - ⇒ *Workshop Manual '267319 Removing and installing catalytic converter'*
  - ⇒ *Workshop Manual '267319 Engine carrier, engine mount '*

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