

Noise Symptom - Buzzing Noise From the Exhaust System During Deceleration: Reworking exhaust system (SY 09/18)

Vehicle Type: **Cayenne S (9YA)**

Model Year: **As of 2018**

Subject: **Front exhaust pipes**

Symptom: Buzzing/vibrating noises in the exhaust system area at an engine speed of approx. 1,100 rpm during deceleration.

Cause: The exhaust system can expand in an unfavorable direction and become strained at operating temperature.

Remedial Action: Loosen clamps on the exhaust system, bring the exhaust system to operating temperature and re-position the clamps.

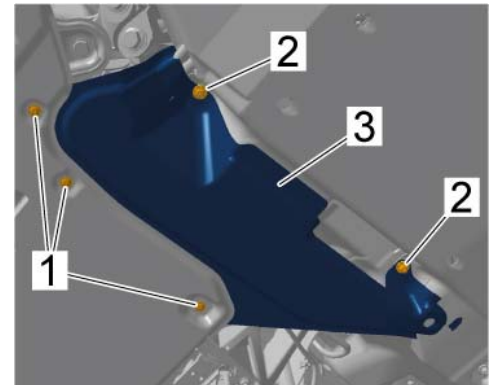
Work Procedure:



Hot components

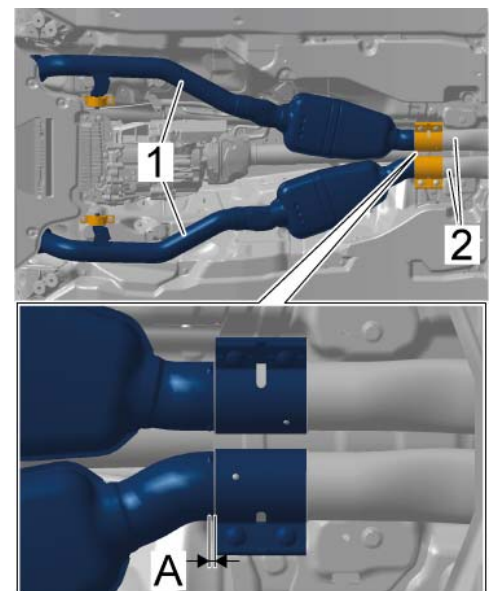
- **Risk of burns**
- ⇒ **Let hot components cool down.**
- ⇒ **Wear personal protective gear.**

- 1 Remove side section of front underbody cover (⇒ *Screws for cover -3-*), see ⇒ *Workshop Manual '519219 Removing and installing cover for front underbody'*



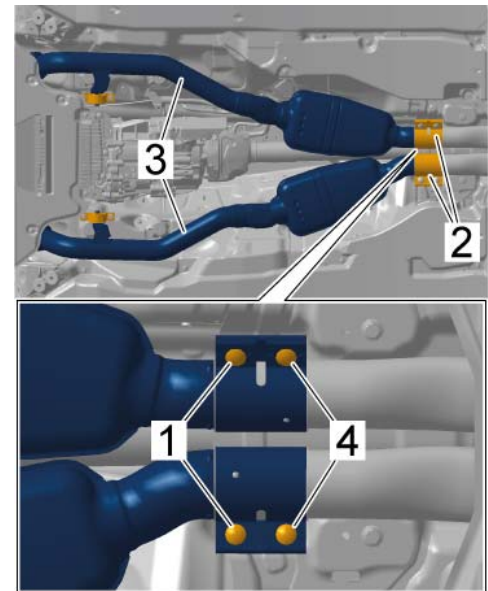
Screws for cover

- 2 Mark the position of the clamp on the exhaust pipes with a water-resistant pen on both sides (front and rear) of the clamp (⇒ *Front exhaust pipes -inset-*).



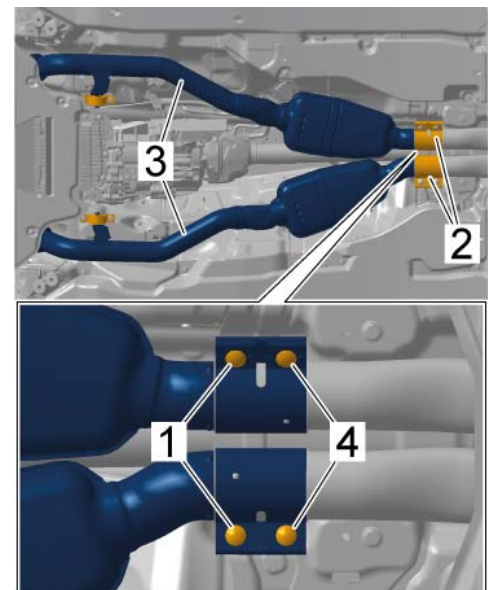
Front exhaust pipes

- 3 Loosen front screws (⇒ *Clamps -1-*) on the clamps (⇒ *Clamps -2-*) slightly so that the front exhaust pipes (⇒ *Clamps -3-*) **cannot** be moved by hand.



Clamps

- 4 Loosen rear screws (⇒ *Clamps-4-*) on the clamps (⇒ *Clamps-2-*) as far as required until you can move the front exhaust pipes (⇒ *Clamps-3-*) with the clamps (⇒ *Clamps-2-*) on the rear exhaust pipes.



Clamps

- 5 Bring the exhaust system to operating temperature. To do this, test-drive the vehicle at increased load and engine speed of between 4,000 and 5,000 rpm if necessary.

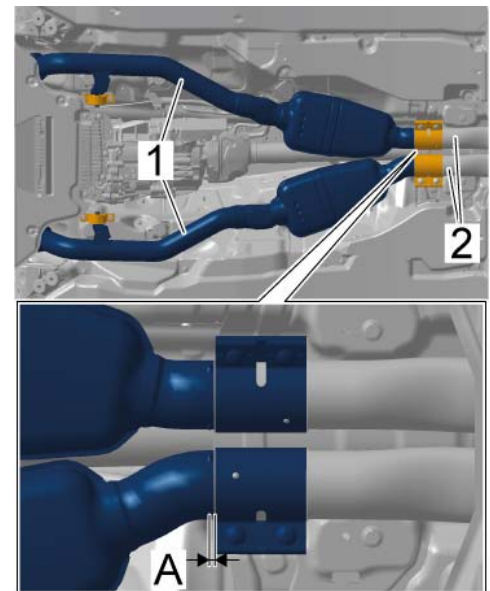
CAUTION**Hot components**

- Risk of burns

⇒ Let hot components cool down.

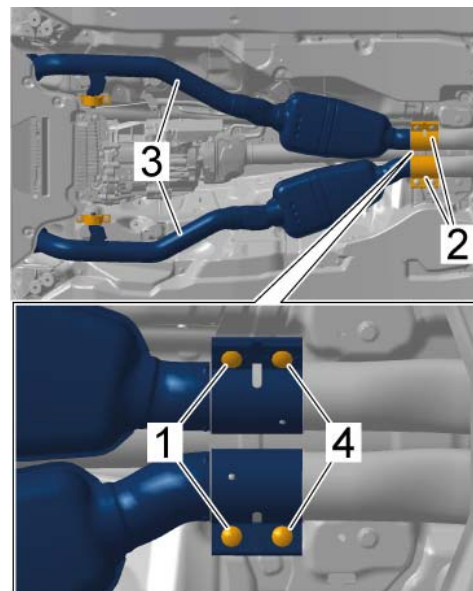
⇒ Wear personal protective gear.

- 6 After the test drive, check the position of the clamps and correct them if necessary:
 - At the front, the clamp should be aligned with the indicated marking (⇒ *Front exhaust pipes -item A-*).
 - At the rear, the distance from the edge of the clamp to the marking must not be more than 5 mm.



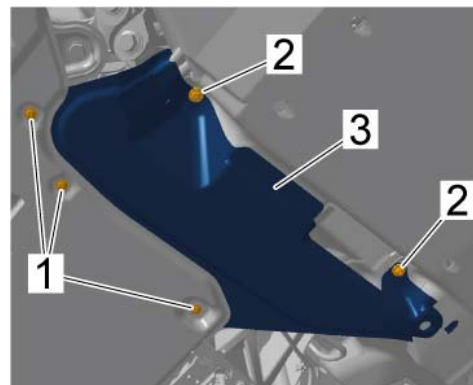
Front exhaust pipes

- 7 Tighten screws (⇒ *Clamps -1 and 4-*) on the clamps (⇒ *Clamps -2-*) to ⇒ Tightening torque 30 Nm (22 ftlb.) .



Clamps

- 8 Install side section of front underbody cover (⇒ *Screws for cover-3-*). ⇒ *Workshop Manual '519219 Removing and installing cover for front underbody'*



Screws for cover

- 9 Test-drive the vehicle again and check whether the buzzing/vibrating noises that the customer complained about can still be heard.
- 10 If the buzzing/vibrating noises still occur, replace the front exhaust pipes, see ⇒ *Workshop Manual '267319 Removing and installing catalytic converter (V6 biturbo)'*

End of action required.

Location	Explanation	Type	Basic value	Tolerance 1	Tolerance 2
Exhaust clamp (clamp)	Item 2	Tightening torque	30 Nm (22 ftlb.)		

Invoicing: Scope 1 – Reworking catalytic converters: The work involved is invoiced under the labor operation:

APOS	Labor operation	I No.
26735020	Reworking catalytic converters	

Scope 2 – Replacing catalytic converters: The work involved is invoiced under the labor operation:

APOS	Labor operation	I No.
51921903	Removing and installing front covers	
26731971	Removing and installing catalytic converters	
26731972	Removing and installing catalytic converters	

For invoicing and documentation using PQIS, enter the following coding:

Location (FES5)	26170	Front exhaust pipe
Damage type (SA4)	1313	vibrating, shaking

References: ⇒ *Workshop Manual '267319 Removing and installing catalytic converter (V6 biturbo)'*

⇒ *Workshop Manual '519219 Removing and installing cover for front underbody'*

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