

Symptom Exterior – Rattling/Noises from the Rear Area of the Exhaust System: Observe Specified Procedure (SY 68/21)

Change overview

Release	Date	Change
0	07/07/2021	<ul style="list-style-type: none"> • First publication
1	09/05/2023	<ul style="list-style-type: none"> • Hexagon nut, M5 omitted under "Required parts" • Order types added • Separate procedure for Cayenne Turbo GT added • Part numbers updated • Labor operations added

Vehicle Type: **Cayenne Turbo GT (9YB)**

Model Year: **As of 2022**

Concerns: **Actuator for exhaust flap**

Symptom: The customer complains about a rattling or noise from the rear area of the exhaust system. In some cases, the "Engine control faulty" or "Engine power reduced" message is displayed in the instrument cluster, and the following entries can be stored in the DME control unit fault memory:

- 'P047600 – 'Exhaust flap – signal implausible'
- 'P04A000 – 'Exhaust flap, bank 2 – signal implausible'

Cause: The reason for this may be a defective actuator for an exhaust flap.



Information

On vehicles manufactured up to May 9, 2023, an incorrectly taught exhaust flap actuator can also cause the complaint described. Therefore, both exhaust flap actuators should always be replaced on vehicles that were manufactured up to this point, provided that the cause can be limited to the exhaust flap actuator and thus to the described fault pattern using the following procedure.

Remedial Action: Check exhaust flap, see ⇒ *Technical Information 'Checking exhaust flap'* and repair if necessary.

Checking exhaust flap

Work Procedure: 1 Does the customer complaint involve a noise?

- Yes, continue with Step 2.
- No, continue with Step 5.

- 2 Check exhaust flap actuator.
 - 2.1 Remove actuator for exhaust flap. ⇒ *Workshop Manual '265119 Removing and installing actuator for exhaust flap'*
 - 2.2 Check exhaust flap actuator for damage.
- Exhaust flap actuator is not damaged: Continue with Step 3.
- Exhaust flap actuator is damaged: Replace exhaust system actuator. ⇒ *Workshop Manual '265119 Removing and installing actuator for exhaust flap'*

Required parts:

Part No.	Designation	Number
9Y3133246	⇒ Exhaust flap servo motor – V8 biturbo engine (Cayenne Turbo GT)	1 or 2 pc(s)*

* If the vehicle was manufactured before May 10, 2023 and the fault pattern indicates an incorrectly taught exhaust flap, always replace both exhaust flap actuators once. Otherwise only replace the actually affected actuator.

- 3 Check the exhaust flap mechanism in the exhaust pipe for damage, clearance or blockage.

**Information**

The exhaust flap actuator you removed earlier **must** remain removed during the check. The check is performed manually.

- Exhaust flap mechanism is OK: Continue with Step 4.
- Exhaust flap mechanism is not OK: Replace rear silencer. ⇒ *Workshop Manual '263355 Replacing rear silencer'*

Required parts:

Designation	Number
Clamping sleeve *	2 pieces
Rear silencer *	1 piece
Rear silencer bracket *	2 pieces

* Select the vehicle-specific parts from the Porsche Replacement Parts Catalogue (PET).

- 4 Install exhaust flap actuator. ⇒ *Workshop Manual '265119 Removing and installing actuator for exhaust flap'*

- 5 Connect **P90999 - PIWIS Tester 4** to the vehicle and read out the fault memory of the DME control unit.

Result of check		Action
(✓)	<p>One of the following entries is stored in the fault memory of the DME control unit:</p> <ul style="list-style-type: none"> • 'P047600 – Exhaust flap – signal implausible' • 'P04A000 – Exhaust flap, bank 2 – signal implausible' 	<p>Check plug connection for exhaust flap actuator.</p> <p>Check the plug connection of the exhaust flap actuator for the following points and repair it if necessary:</p> <ul style="list-style-type: none"> • Damage to plug, pins and electric lines. • Correct seating of plug and pins. • Corrosion on pins and electric lines. • Risk of short circuit <p>If all the above components are normal, replace the exhaust flap actuator according to Step 2.2. → <i>Workshop Manual '265119 Removing and installing actuator for exhaust flap'</i></p>
(✗)	<p>None of these entries are stored in the fault memory of the DME control unit.</p>	<p>Repeat the test.</p> <p>If there is no noise from the exhaust system and no fault memory entry, the customer's complaint must be checked and readjusted if necessary.</p> <p>If the noise is still not present, the test must be carried out starting with Step 1.</p>

Invoicing

Invoicing: For documentation and invoicing for warranty purposes, enter the labor operations specified below in the warranty claim:

APOS	Labour operation	I No.
26510241	Checking exhaust flap actuators (without removal)	
26510140	Checking exhaust flap actuator (with left or right removal)	
26510240	Checking exhaust flap actuators (with left and right removal)	
26515540	Replacing exhaust flap actuator (left or right)	
26515640	Replacing exhaust flap actuators (left and right)	
26335540	Replacing rear silencer	

PQIS coding:

Location (FES5)	26510	Exhaust flap actuator
Damage type (SA4)	2014	rattles

References: ⇒ *Workshop Manual '265119 Removing and installing actuator for exhaust flap'*
 ⇒ *Workshop Manual '263355 Replacing rear silencer'*

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