

Exhaust Gas Flap Noise - OM654

Topic number	LI49.00-N-080010
Version	1
Function group	49.00 - General
Date	11/21/25
Validity	OM654
Reason for change	

Complaint

Customers may report a high-pitched squealing or squeaking noise originating from the exhaust system, specifically near the exhaust gas flap.

Cause

The noise occurs during actuation of the exhaust gas flap. Internal movement within the flap mechanism, primarily the flap shaft and return spring, can generate friction-induced squeal.

Remedy

If a squealing noise is present at the exhaust gas flap, do not replace the entire exhaust gas flap assembly or exhaust system.

Perform the following corrective action:

1. Confirm the noise originates from the exhaust gas flap actuator area. The squeal typically occurs when the actuator moves the flap during engine operation.

2. Solution:

- Remove the Exhaust Gas Flap Controller (AR49.10-D-5507TSM - Remove/install exhaust gas flap controller).

- Remove the original spring (Picture 1).

- Install the new damping element in place of the spring (Picture 2 and Picture 3).

-This damping element absorbs vibration and prevents squealing, eliminating the need for costly component replacements.

- Reinstall the Exhaust Gas Flap Controller.

- Perform initialization of Exhaust Gas Flap Controller (AD00.00-D-2000-06TS - Connect/disconnect diagnostic unit).

NOTE:

When ordering the Exhaust Gas Flap Controller (A2139069210), the following system messages will appear:

Paragon Note:

Please review and order 1 unit of A0009983507 accordingly.

XENTRY Tips

XENTRY Parts Information:

Ensure that A0009983507 is also ordered.

Attachments



File	Description
Photo 1.JPG 	Spring for exhaust gas flap actuator
Photo 2.jpg 	Damping element for exhaust gas flap actuator

Photo 3.JPG



Installation position of damping element

WIS-References

Document number	Title	Note
AR49.10-D-5507TSM	Remove/install exhaust gas flap controller	

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms

Power generation > Exhaust system > Noises > Noise

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0009983507			Damping element	1	Replaces the spring	X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
498500	Replace exhaust gas flap controller actuator (After quick test)	0.6 H	4901X36	Exhaust Flap Controller - Noise