

OM651 Exhaust Bracket Cracking

Topic number	LI49.10-N-060969
Version	7
Function group	49.10 - Exhaust pipes, mufflers
Date	4/17/26
Validity	Sprinter with engine OM651
Reason for change	Validity Update

Complaint

Rattling noise from underneath the vehicle.

Cause


One or more of the following conditions may be present:

1. The exhaust bracket from the DPF to the transmission is cracked or broken.
 - See Pic. 1 for an example of a broken bracket.

2. Transmission bell housing cracked or broken at the exhaust mounting area.
 - See Pic. 2 for an example of bell housing damage.

3. Exhaust bracket from DPF to engine (cylinder crankcase) cracked or broken.
 - See EPC OM651 #217 for bracket location.

4. Diesel Particulate Filter (DPF) pipe cracked at a weld joint.
 - Cracking may be present at bracket welds or along the DPF housing seams.
 - This can cause rattling noises and secondary exhaust bracket stress.
 - Perform a visual inspection of the DPF pipe and weld joints.

Attachments	
File	Description
Pic 1.jpg 	Broken exhaust bracket to transmission
Pic 2.JPG	Transmission bell housing cracked



Remedy

Inspect all related components and repair or replace as required.

Inspection and Repair

1. Inspect the exhaust bracket from the DPF to the transmission.
 - Check the bracket for cracks or complete separation.
 - See Pic. 1 for a failed example.
 - See EPC OM651 #550 and Pic. 3 for bracket location.
 - If damaged, replace the bracket.
 - See Pic. 4, Pic. 5, and Pic. 6 for the updated bracket design and identification.
2. Inspect the transmission bell housing.
 - Inspect the bell housing at the exhaust mounting point for cracks or structural damage.
 - See Pic. 2 for an example of bell housing damage.
 - Replace the transmission if damage is confirmed.
3. Inspect the exhaust bracket from the DPF to the engine (cylinder crankcase).
 - Inspect the bracket for cracks or broken mounting points.
 - See EPC OM651 #217 for bracket location.
 - Replace the bracket if damaged.
4. Inspect the DPF pipe.
 - Inspect the DPF for cracks at weld joints, especially near mounting points.
 - If cracking is found, replace per current aftertreatment guidelines.

Correct positioning and tightening of the exhaust system are critical to prevent repeat failures.

Positioning the Exhaust System

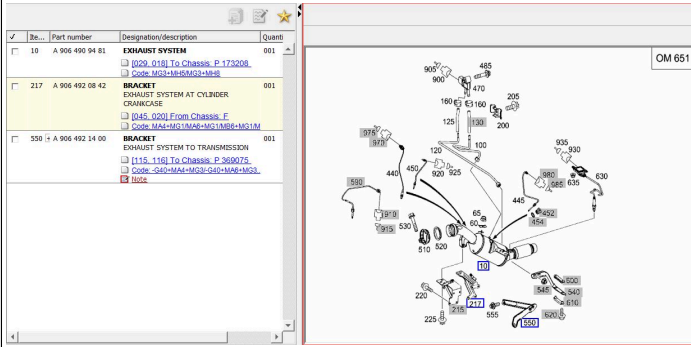

1. Position and align the exhaust system before tightening.
 - Support and fit the exhaust system in its installed position.

XENTRY Tips

- Push the exhaust system forward.
- Install the DPF-to-transmission bracket and lightly tighten the mounting bolt.
- Install the engine mount and V-mount bolts by hand, approximately two turns.
- See “Positioning of the exhaust system” image.

Tightening Sequence

1. Tighten the exhaust system in the correct sequence.
 - Tighten engine mounting bolts to 25 Nm.
 - Tighten V-mount bolts to 25 Nm.
 - Tighten exhaust bracket bolts to 15 Nm.
 - See “Tightening sequence of the exhaust system” image.
2. Verify mounting bolt locations.
 - Confirm correct mounting screw positions at the transmission bracket.
 - See Pic. 7 and Pic. 8 for mounting screw locations.

Attachments	
File	Description
EPC OM651 exhaust.JPG 	EPC parts description
Pic 3.jpg 	Location of DPF to Transmission bracket
Pic 4.JPG	DPF bracket to transmission has extra hole for mounting



Pic 5.JPG

DPF bracket to transmission has extra hole for mounting see part number



Pic 6.JPG

DPF bracket to transmission rear view



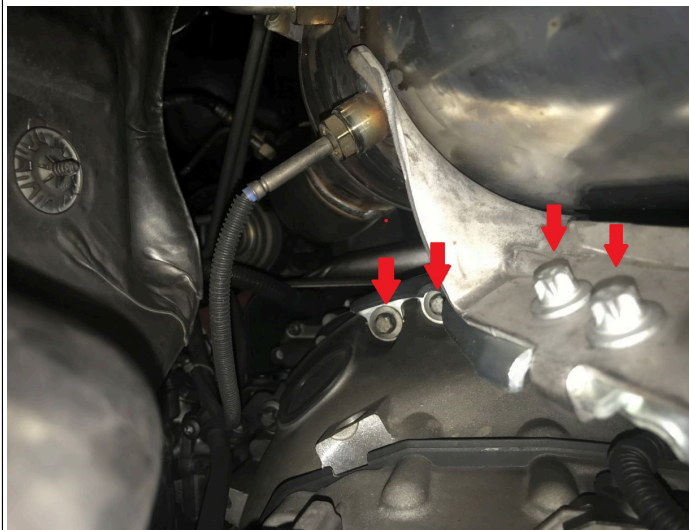
Pic 7.JPG

Location of mounting screws



Pic 8.JPG

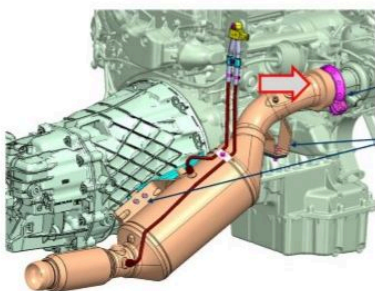
Location of mounting screws view 2



Positioning of the exhaust system.JPG

Positioning of the exhaust system

Positioning of exhaust system

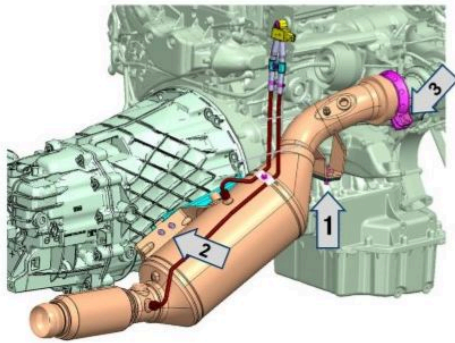


- Position and lay down exhaust system
- Push exhaust system forward, mount bracket and tighten screw lightly
- Screw bolts in engine mounting and V-mounting by hand (2 turns)

Tightening sequence of the exhaust system.JPG

Tightening sequence of the exhaust system

Screwing the exhaust system



- Tightening sequence:
1. Tighten screws at engine mounting (25Nm)
 2. Tighten screws at V-mounting (25Nm)
 3. Tighten bracket (15Nm)

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
A9064921200			Exhaust bracket 4x2	1	New DPF Bracket to transmission	X
A9064921300			Exhaust Bracket 4x4	1	New DPF Bracket to transmission	X
N000000000276			Hex Bolt M8x20	1	Additional screw needed for New DPF bracket to transmission	X
A9064920842			Bracket exhaust system at cylinder crankcase	1	DPF to Engine	X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
496960	REPLACE BRACKET		4901H38	