

## OM651 Exhaust Bracket Cracking

|                   |  |
|-------------------|--|
| Topic number      | LI49.10-N-060969                                   |
| Version           | 6  |
| Function group    | 49.10 Exhaust pipes, catalytic converter, mufflers |
| Date              | 08-10-2017   |
| Validity          | Sprinter Model 906 with engine OM651               |
| Reason for change | Added inspect additional bracket to Remedy         |
| Reason for block  |  |

### Complaint:

Rattling noise from under vehicle

### Cause:

Possible causes:

- 1 - Exhaust bracket to transmission (DPF to Transmission) cracked / broken (Pic.1)
- 2 - Transmission bell housing cracked / broken (Pic. 2)
- 3 - Exhaust bracket to cylinder crankcase (DPF to Engine) cracked / broken (Pic. "EPC OM651" #217)

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

### Remedy:

- 1 - Inspect and replace exhaust bracket to transmission (DPF to Transmission) as needed. (Pic. "EPC OM651" #550) & (Pic. 3)

Example pictures of new exhaust bracket to transmission (DPF to Transmission) (Pic. 4, 5, & 6)

Note: Mounting screw locations exhaust bracket to transmission (DPF to Transmission) (Pic. 7 & 8)

- 2 - Inspect bell housing for damage and replace as needed. (Pic. 2)
- 3 - Inspect and replace exhaust bracket at cylinder crankcase (DPF to Engine) as needed. (Pic. "EPC OM651" #217)

Installation sequence of the new exhaust brackets are crucial.

Follow the exhaust bracket installation instructions below:

Positioning of the exhaust system - (Pic. "Positioning of the exhaust system")

1. Position and fit exhaust system in place
2. Push the exhaust system forward, mount the bracket and tighten screw lightly
3. Screw bolts in engine mount and V-mounting by hand (2 turns)

Tightening sequence of the exhaust system - (Pic. "Tightening sequence of the exhaust system")

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

| Attachments           |   |
|-----------------------|---|
| File                  | Description                             |
| EPC OM651 exhaust.JPG | EPC parts description                   |
| Pic 3.jpg             | Location of DPF to Transmission bracket |

# XENTRY TIPS

|   |   |
|---|---|
| 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                                     | Loaction of mounting screws view 2                                      |
| Positioning of the exhaust system.JPG         | Positioning of the exhaust system                                       |
| Tightening sequence of the exhaust system.JPG | Tightening sequence of the exhaust system                               |

|   |
|---|
| <b>Symptoms</b>                                       |
| Power generation / Exhaust system / Noises / Rattling |

| <b>Parts</b>    |     |     |  |          |   |     |
|-----------------|-----|-----|--|----------|---|-----|
| Part number     | ES1 | ES2 | Designation                                  | Quantity | Note  | EPC |
| A 906 492 12 00 |     |     | Exhaust bracket 4x2                          | 1        | New DPF Bracket to transmission                             | X   |
| A 906 492 13 00 |     |     | Exhaust Bracket 4x4                          | 1        | New DPF Bracket to transmission                             | X   |
| N 000000 000276 |     |     | Hex Bolt M8x20                               | 1        | Additional screw needed for New DPF bracket to transmission | X   |
| A 906 492 08 42 |     |     | Bracket exhaust system at cylinder crankcase | 1        | DPF to Engine   | X   |

| <b>Operation numbers/damage codes</b> |                 |      |             |      |  |
|---------------------------------------|-----------------|------|-------------|------|--|
| Op. no.                               | Operation text  | Time | Damage code | Note |  |
| 49-6960                               | REPLACE BRACKET |      | 4901H 38    |      |  |

**Attachments**

EPC OM651 exhaust.  
JPG:

| It...                    | Part number         | Designation/description   | Quanti |
|--------------------------|---------------------|---|--------|
| <input type="checkbox"/> | 10 A 906 490 94 81  | <b>EXHAUST SYSTEM</b><br><a href="#">[029_018] To Chassis_P 173208</a><br><a href="#">Code: MG3+MH5/MG3+MH8</a>   | 001    |
| <input type="checkbox"/> | 217 A 906 492 08 42 | <b>BRACKET</b><br>EXHAUST SYSTEM AT CYLINDER CRANKCASE<br><a href="#">[045_020] From Chassis_F</a><br><a href="#">Code: MA4+MG1/MA6+MG1/MB6+MG1/M</a>   | 001    |
| <input type="checkbox"/> | 550 A 906 492 14 00 | <b>BRACKET</b><br>EXHAUST SYSTEM TO TRANSMISSION<br><a href="#">[115_116] To Chassis_P 369075</a><br><a href="#">Code: -G40+MA4+MG3-G40+MA6+MG3</a><br><input checked="" type="checkbox"/> <a href="#">Note</a> | 001    |

OM 651

# XENTRY TIPS

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Pic 1.jpg:



Pic 2.JPG:



Pic 3.jpg:



# XENTRY TIPS

Pic 4.JPG:



Pic 5.JPG:



# XENTRY TIPS

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Pic 6.JPG:

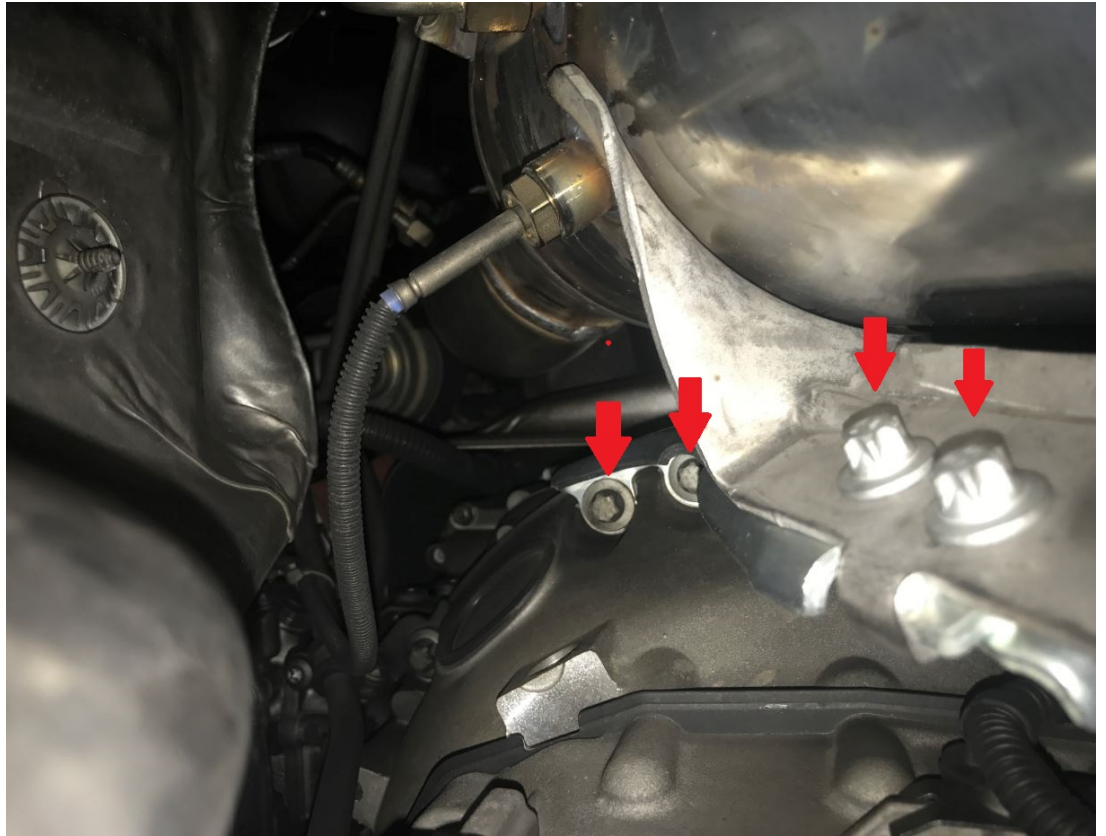


Pic 7.JPG:



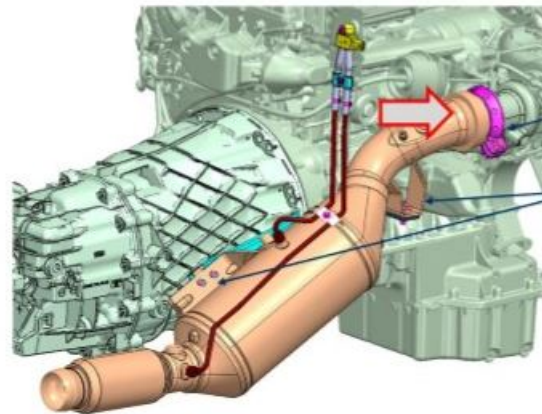
# XENTRY TIPS

Pic 8.JPG:



Positioning of the exhaust system.JPG:

## Positioning of exhaust system



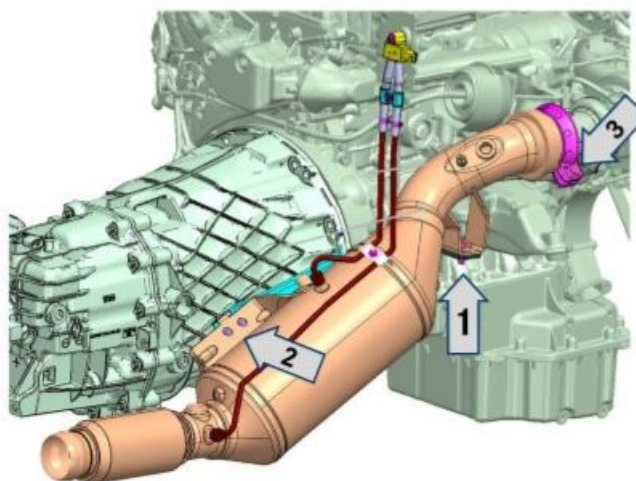
- Position and lay down exhaust system
- Push exhaust system forward, mount bracket and tighten screw lightly
- Screw bolts in engine mounting and V-mounting by hand (2 turns)

# XENTRY TIPS

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Tightening sequence of the exhaust system.JPG:

## Screwing the exhaust system



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