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## Overview of noises in interior of model series 176/117

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic number      | LI68.00-P-059550                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Version           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Design group      | 68.00 General                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Date              | 04-02-2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Validity          | <ul style="list-style-type: none"><li>- For fault location 1) center console/ A/C operating unit: Valid for model series 176 and 117 up to production date 24.02.2014</li><li>- For fault location 2) display bracket: Valid for model series 176 and 117 up to production date 15.10.2013</li><li>- For fault location 3) B-pillar trim: Valid for model series 176, 117</li><li>- For fault location 4) Footwell cover: Adapt: Valid for model series 117, 156, 176</li></ul> |
| Reason for change | Update of noise sources                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reason for block  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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### Complaint:

\*\*\*Fault locations and designations can be found in the attachment "Fault locations"\*\*\*

Note: The individual fault locations can be processed independently of each other.

#### 1) Center console/ A/C operating unit:

Creaking noises in area of A/C operating unit

#### 2) Display bracket:

Rattling noises on rough or bumpy roads

#### 3) B-pillar trim:

Noises in area of B-pillar trim or belt height adjuster at front left or right

#### 4) Footwell cover:

Dynamic excitation produces vibrations and noises in the instrument panel which are difficult to locate.

| Attachments                  |                 |
|------------------------------|-----------------|
| File                         | Description     |
| Possible noise locations.jpg | Noise locations |

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## Cause:

### 1) Center console/ A/C operating unit:

The trim of the A/C operating unit causes noises

### 2) Display bracket:

Due to the gap between the display bracket and the bezel, noises can occur in the area of the central display

### 3) B-pillar trim:

There are two possible causes:

3a) The belt height adjuster makes noises

3b)c) The B-pillar trim makes noises

### 4) Footwell cover:

- The A/C housing partially touches the edge of the footwell cover on the right if the tolerances are unfavorable.

- The washer fluid hose and the coupling element partially touch the footwell cover on the left.

## Remedy:

### 1) Center console/ A/C operating unit:

Replace the trim of the A/C operating unit

### 2) Display bracket:

Replace the display bracket (A1766800014) and the display bezel (A1176800207)

### 3) B-pillar trim:

3a) Work through LI91.40-P-057018 (belt height adjuster) first.

3b) For vehicles up to production date 30.05.2013: Replace the B-pillar trim at the top and also line the belt extended with felt (see 3c).

3c) On all vehicles produced after 30.05.2013 the belt extender can be lined with felt. To do this, detach belt extender and affix two pieces of felt (1mm thick) of dimensions 20 x 30 mm (see attachment "Bild1.jpg"). Then reinstall the belt extender (see attachment "Bild2.jpg")

### 4) Footwell cover:

- Trim the footwell cover to eliminate the interference zone.

- Felt (min. 1 mm height) should be affixed in the interference zone of the washer fluid hose.

NOTE: Some parts may be non-stocking parts for MBUSA, and possibly C66 and not immediately available from DAG. Please be aware and check availability prior to scheduling customer repairs

| Attachments  |                                                 |
|--------------|-------------------------------------------------|
| File         | Description                                     |
| Picture1.jpg | For fault location 3) B-pillar trim: Affix felt |
| Picture2.jpg | For fault location 3) B-pillar trim: Result     |
| Picture3.jpg | For fault location 4) Footwell cover            |

| Symptoms                                                                                  |
|-------------------------------------------------------------------------------------------|
| Body / Interior equipment / Instrument panel / Noise                                      |
| Body / Interior equipment / Interior trim / Noise                                         |
| Body / Safety system / Seat belt / Seat belt extender / Noise                             |
| Communication/information / Entertainment / Screen/display / Central display makes noises |

| Parts           |     |     |                                                 |          |                                                                                                            |     |
|-----------------|-----|-----|-------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------|-----|
| Part number     | ES1 | ES2 | Designation                                     | Quantity | Note                                                                                                       | EPC |
| A 176 680 70 00 |     |     | A/C operating unit trim                         | 1        | For fault location 1) center console/<br>A/C operating unit                                                | X   |
| A 176 680 71 00 |     |     | A/C operating unit trim                         | 1        | For fault location 1) center console/<br>A/C operating unit                                                | X   |
| A 176 680 72 00 |     |     | A/C operating unit trim                         | 1        | For fault location 1) center console/<br>A/C operating unit                                                | X   |
| A 176 680 00 14 |     |     | Display bracket                                 | 1        | For fault location 2) display bracket                                                                      | X   |
| A 117 680 02 07 |     |     | Bracket trim                                    | 1        | For fault location 2) display bracket                                                                      | X   |
| A 000 860 03 88 |     |     | Belt height adjuster                            | 1        | For fault location 3) B-pillar trim: The<br>component can be installed on both<br>the left and right sides | X   |
| A 176 690 02 25 |     |     | Model series 176: Upper right<br>B-pillar trim  | 1        | For fault location 3) B-pillar trim                                                                        | X   |
| A 176 690 03 25 |     |     | Model series 176: Upper left B-<br>pillar trim  | 1        | For fault location 3) B-pillar trim                                                                        | X   |
| A 117 690 05 25 |     |     | Model series 117: Upper left B-<br>pillar trim  | 1        | For fault location 3) B-pillar trim                                                                        | X   |
| A 117 690 06 25 |     |     | Model series 117: Upper right<br>B-pillar trim  | 1        | For fault location 3) B-pillar trim                                                                        | X   |
| A 176 680 00 06 |     |     | Trim on driver side under in-<br>strument panel | 1        | For fault 4) Footwell trim                                                                                 | X   |
| A 176 680 05 06 |     |     | Trim on driver side under in-<br>strument panel | 1        | For fault 4) Footwell trim                                                                                 | X   |
| A 156 680 27 00 |     |     | Trim on driver side under in-<br>strument panel | 1        | For fault 4) Footwell trim                                                                                 | X   |

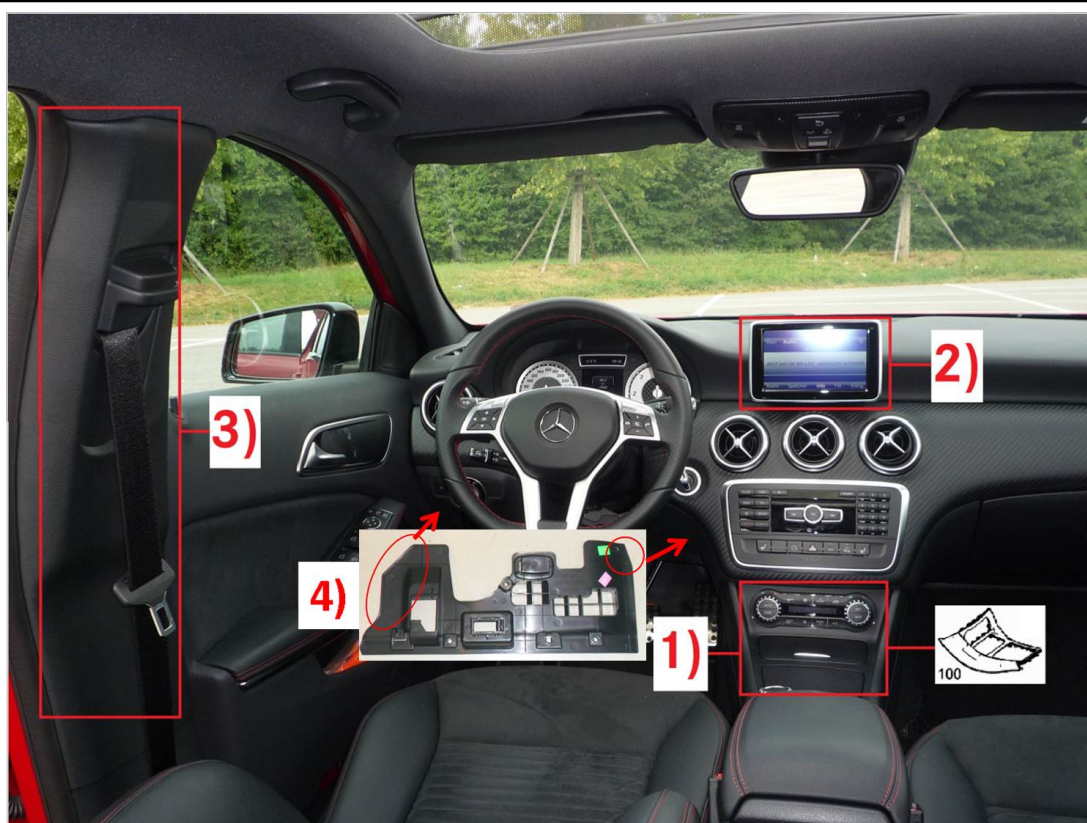
| Work units |
|------------|
|------------|

| Op. no. | Operation text | Time | Damage code | Note                                                            |
|---------|----------------|------|-------------|-----------------------------------------------------------------|
|         |                |      | 68157 36    | For fault location 1) center console/ A/C operating unit        |
|         |                |      | 91N58 36    | For fault location 3) B-pillar trim: Right belt height adjuster |
|         |                |      | 91A58 36    | For fault location 3) B-pillar trim: Left belt height adjuster  |
|         |                |      | 69A15 36    | For fault location 3) B-pillar trim: Upper left B-pillar trim   |
|         |                |      | 69N15 36    | For fault location 3) B-pillar trim: Upper right B-pillar trim  |
|         |                |      | 68A27 36    | For fault location 4) Footwell trim                             |

| Validity  |        |              |
|-----------|--------|--------------|
| Vehicle   | Engine | Transmission |
| 117.301   | *      | *            |
| 117.302   | *      | *            |
| 117.303   | *      | *            |
| 117.305   | *      | *            |
| 117.308   | *      | *            |
| 117.312   | *      | *            |
| 117.342   | *      | *            |
| 117.343   | *      | *            |
| 117.344   | *      | *            |
| 117.345   | *      | *            |
| 117.346   | *      | *            |
| 117.347   | *      | *            |
| 117.352   | *      | *            |
| A (176)   | *      | *            |
| GLA (156) | *      | *            |

| Attachments |
|-------------|
|-------------|

Possible noise locations.  
jpg:



Picture1.jpg:



Picture2.jpg:



Picture3.jpg:

Fußraumabdeckung:

A 156 680 27 00, A 176 680 00 06, A 176 680 05 06

