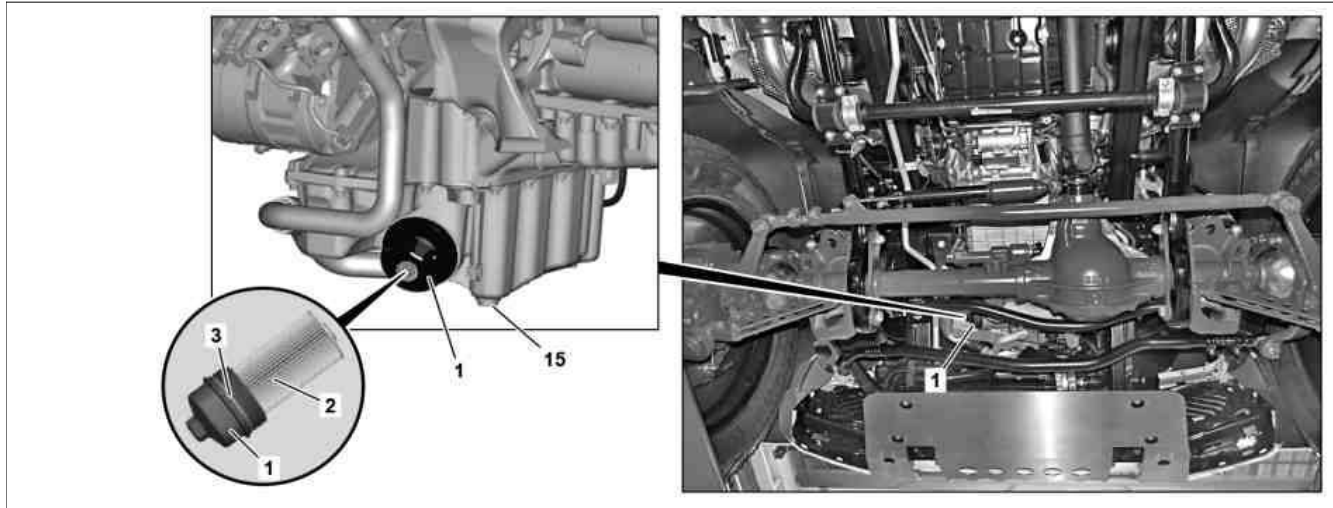


## Engine 176 in model 463



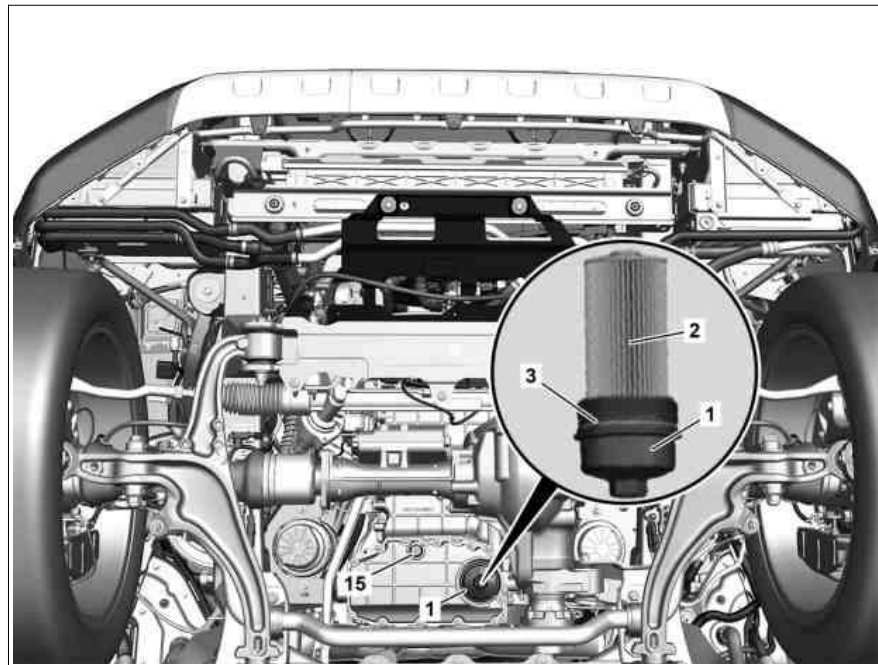
P18.00-2419-08

Shown on model 463.234 with code ZQ0 (G 500 4x<sup>2</sup>)

- |   |                    |    |              |
|---|--------------------|----|--------------|
| 1 | Oil filter cover   | 3  | Sealing ring |
| 2 | Oil filter element | 15 | Drain screw  |

Show on model 463.260

- |    |                    |
|----|--------------------|
| 1  | Oil filter cover   |
| 2  | Oil filter element |
| 3  | Sealing ring       |
| 15 | Drain screw        |



P18.00-A001-06

|  |                |   |   |                                  |
|--|----------------|---|---|----------------------------------|
|  | <b>Warning</b> | <p><b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running.</p> | <p>Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p> | <p><b>AS00.00-Z-0005-01A</b></p> |
|--|----------------|---|---|----------------------------------|

|         |  |  |  |
|---------|--|--|--|
|         | <b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.                                       | Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.  | AS00.00-Z-0010-01A                     |
| Caution | <b>Risk of injury</b> to skin and eyes due to handling of engine oil. <b>Risk of poisoning</b> caused by swallowing engine oil | Wear protective gloves, protective clothing and safety glasses.<br>Do not fill engine oil into beverage containers.  | AS18.00-Z-0001-01A                     |
|         | Notes on engine oil and filter changes   |  | AH18.00-P-0104-01A                     |
|         | <b>Remove</b>  |  |  |
| 1       | Run engine to warm it up.  | Coolant temperature at least 80 °C.  |  |
| 2       | Switch off engine.   |  |  |
| 3       | Lift vehicle with lifting platform.  |  |  |
|         |  |  | AR00.60-P-1006A                        |
| 4       | Remove both lower engine compartment linings.  | Engine 176 in model 463 as of model year 2019  | AR61.20-P-1105XG                       |
|         |  |  |  |
| 5       | Unscrew drain screw (15) and drain engine oil.   |  |  |
| 6       | Remove oil filter cover (1).   | Unscrew oil filter cover(1) far enough from oil filter housing so that the engine oil can drain out of the oil filter and oil filter housing.  |  |
| 7       | Remove oil filter cover (1).   |  |  |
|         | <b>Install</b>   |  |  |
| 8       | Replace oil filter element (2).  |  |  |
| 9       | Replace sealing ring (3).  |  |  |
| 10      | Install oil filter cover (1).  | Oil filter cover to oil pan  | *BA01.45-P-1002-01Y                    |
| 11      | Replace sealing ring of drain screw (15).  |  |  |
| 12      | Screw in drain screw (15).   | Metal drain screw to oil pan bottom section  | *BA01.45-P-1004-01Y                    |
| 13      | Install both lower engine compartment linings.   | Engine 176 in model 463 as of model year 2019  | AR61.20-P-1105XG                       |
|         |  |  |  |
| 14      | Lower vehicle with vehicle lift.   |  | AR00.60-P-1006A                        |
|         |  |  |  |
| 15      | Add engine oil.  | Engine 176 in model 463 up to model year 2019<br>Only use approved engine oils as per SAE 0W-40 or 5W-40.<br>Engine damage can occur otherwise.<br>Engine 176 in model 463 as of model year 2019<br>Only use approved engine oils as per SAE 0W-30 or 5W-30.<br>Engine damage can occur otherwise.<br>Engine oil | *BF18.00-P-1001-01EA                   |
|         | <b>Check</b>   |  |  |
| 16      | Run engine until warm and check for leak tightness.  | Coolant temperature at least 80 °C.<br><br>If leaks occur,<br>↓<br>determine cause and correct.<br>After obtaining special order.  |  |
| 17      | Check engine oil level using instrument cluster, correct if necessary.   | Engine 176 in model 463 up to model year 2019<br>Engine 176 in model 463 as of model year 2019   | AP18.00-P-1812GKI<br>AP18.00-P-1812SKI |


Oil pan

| Number             | Designation                 | Engine 176 |
|--------------------|-----------------------------|------------|
| BA01.45-P-1002-01Y | Oil filter cover to oil pan | Nm 25      |

Oil pan

| Number | Designation | Engine 176 |
|--------|-------------|------------|
|        |             |            |

|                    |   |    |    |
|--------------------|---|----|----|
| BA01.45-P-1004-01Y | Metal drain screw to oil pan bottom section | Nm | 30 |
|--------------------|---|----|----|

 Engine lubrication system

| Number              | Designation |  | Engine 176                         |
|---------------------|-------------|--|------------------------------------|
| BF18.00-P-1001-01EA | Engine oil  | Filling capacity (oil and filter change) | Liter<br>9                         |
|                     |             | Sheet                                    | <a href="#">BB00.40-P-0223-02A</a> |