93 Cap
93a Plate
93b Locking pin

1 Oil cooling line connection
2 Right oil cooling line
3 Banjo bolt
1 Oil cooling line connection
2 Right oil cooling line
3 Banjo bolt
4 Connector
5 Hose clamp

<table>
<thead>
<tr>
<th><img src="image.png" alt="Image" /></th>
<th>Remove/install</th>
<th>Depressurize the hydraulic system completely before starting any work on the system. Wear protective clothing and safety glasses.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Danger!</strong></td>
<td><strong>Risk of injury</strong> to skin or eyes caused by hydraulic fluid spraying out under high pressure. <strong>Risk of poisoning</strong> caused by swallowing hydraulic fluid</td>
<td>AS00.00-Z-0013-01A</td>
</tr>
<tr>
<td><strong>Danger!</strong></td>
<td><strong>Risk of accident</strong> caused by vehicle starting off by itself when engine is running. <strong>Risk of injury</strong> caused by contusions and burns during starting procedure or when working near the engine as it is running</td>
<td>Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts. AS00.00-Z-0005-01A</td>
</tr>
<tr>
<td><strong>Danger!</strong></td>
<td><strong>Risk of death</strong> caused by vehicle slipping or toppling off of the lifting platform.</td>
<td>Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer. AS00.00-Z-0010-01A</td>
</tr>
<tr>
<td><img src="image.png" alt="Image" /></td>
<td>Notes on self-locking nuts and bolts</td>
<td>AH00.00-N-0001-01A</td>
</tr>
</tbody>
</table>

**Notes on self-locking nuts and bolts**

Before opening the hydraulic system, thoroughly clean the area surrounding the separation point. Even the smallest dirt particles, introduced into the hydraulic components, can lead to malfunctions and a total failure of the hydraulic system.

1.1 Remove the rear section of the engine compartment paneling

Vehicles with gasoline engine except model 461 and 463
- Model 129, 202, 208, 210
- Model 140
- Model 163 except 163.136/154/157
- Model 163.136/154/157
- Model 170
- Model 171
- Model 199
- Model 209, 203 with gasoline engine
- Model 211
- Model 219
- Model 215, 220
- Model 230
- Model 240

Vehicles with diesel engine except model 461 and 463
- Model 140
- Model 163
- Model 202.1
- Model 209, 203 with diesel engine
- Model 210
- Model 211
- Model 220

1.2 Remove rear part of bottom sections of soundproofing

Vehicles with diesel engine except model 461 and 463
- Model 140
- Model 163
- Model 202.1
- Model 209, 203 with diesel engine
- Model 210
- Model 211
- Model 220

AR94.30-P-5300A
AR94.30-P-5300B
AR94.30-P-5300P
AR94.30-P-5300M
2. Remove drain plug from the transmission oil pan and drain transmission oil.

3. Detach transmission oil pan and install a new transmission oil filter. Caution: when removing the transmission oil pan, approx. 2.5 liters of transmission oil will still be in the transmission oil pan.


5. Detach clamps for right oil cooling line (2) from engine oil pan. Model 163, 171, 211, 219, 220, 461, 463

6. Remove banjo bolt (3) from connection (1) on right oil cooling line (2). Model 163, 171, 211, 219, 220, 461, 463

7. Join connection fitting (4) with an approx. 1.5 meter long hose using a hose clamp (5). Remove the connection fitting (4) from the hand pump.

8. Mount banjo bolt (3) and oil cooling line (2) to connection fitting (4).

9. Hold hose into a bucket with a scale on it. The bucket should have a capacity of 10 liters.

10. Unlock cap (93). Break off plate (93a) using a suitable tool and press out locking pin (93b) remaining in cap (93) downwards.

11. Detach cap (93) from oil filler pipe.

12. Mount funnel onto oil filler pipe and fill transmission with 5 liters of oil. The entire flushing procedure requires 14 liters of transmission oil.

Flushing

An assistant is required for the flushing procedure.

13. Start the engine and drain transmission oil via the hose into the bucket. Always observe work procedure and Specifications for Operating Fluids, otherwise transmission will be damaged.

14. Once 3 liters of transmission oil are in the bucket stop the engine immediately.

15. Pour in 3 liters of transmission oil.

16. Repeat flushing procedure twice.

17. Check oil level in automatic transmission, correct if necessary.

18. Install in the reverse order.

19. Carry out engine test run, checking the transmission for function and oil leaks.

### Oil pan, automatic transmission

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BA27.10-P-1001-03A</td>
<td>Oil drain screw to oil pan</td>
<td>Nm 20</td>
<td>20</td>
<td>20</td>
<td>22</td>
</tr>
<tr>
<td>BA27.10-P-1002-03A</td>
<td>Bolt, oil pan to transmission housing</td>
<td>Nm 8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

### Transmission oil cooling

- Nm
- A

© Daimler AG, 1/2/11, G/07/10 / ar27.55-p-0100a / Flush out automatic transmission and torque converter

TRANSMISSION 722.6

Page 3 of 4
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BA27.55-P-1002-01B</td>
<td>Banjo bolt or union nut, oil cooler line to torque converter and transmission housing</td>
<td>Stage 1 Nm 20</td>
<td>Stage 2 Nm 20</td>
<td>Stage 2 Nm 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hexalobular bolt Nm -</td>
<td>° -</td>
<td>-</td>
</tr>
<tr>
<td>BA27.55-P-1003-01B</td>
<td>Bolt, oil cooler line to engine oil pan</td>
<td>Nm 11</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td>BA27.55-P-1008-01B</td>
<td>Bolt, oil cooler line retaining clamp to oil pan</td>
<td>Nm 8</td>
<td>-</td>
<td>8</td>
</tr>
</tbody>
</table>

**Transmission oil cooling**

<table>
<thead>
<tr>
<th>Number</th>
<th>Designation</th>
<th>Transmission 722.6 in model 204, 216, 221</th>
<th>Transmission 722.6 in model 211</th>
<th>Transmission 722.6 in model 461, 463</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA27.55-P-1002-01B</td>
<td>Banjo bolt or union nut, oil cooler line to torque converter and transmission housing</td>
<td>Stage 1 Nm 5</td>
<td>Stage 2 Nm 90</td>
<td>Stage 2 Nm 12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hexalobular bolt Nm 12</td>
<td>° -</td>
<td>° -</td>
</tr>
<tr>
<td>BA27.55-P-1003-01B</td>
<td>Bolt, oil cooler line to engine oil pan</td>
<td>Nm 11</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BA27.55-P-1008-01B</td>
<td>Bolt, oil cooler line retaining clamp to oil pan</td>
<td>Nm -</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

© Daimler AG, 1/2/11, G/07/10 / ar27.55-p-0100a / Flush out automatic transmission and torque converter

TRANSMISSION 722.6