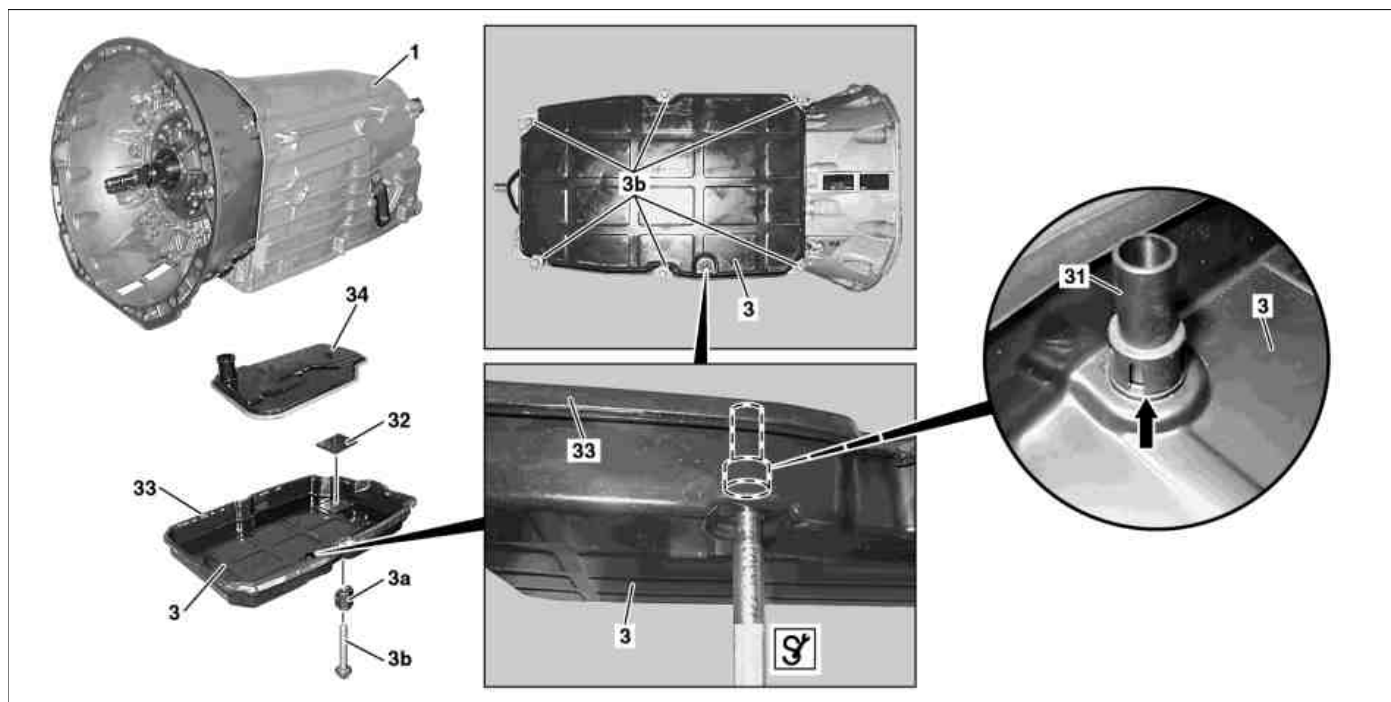




P27.00-2136-09

- |    |                      |    |                  |
|----|----------------------|----|------------------|
| 1  | Transmission housing | 31 | Overflow pipe    |
| 3  | Oil pan              | 32 | Permanent magnet |
| 3a | Sprag                | 33 | Gasket           |
| 3b | Bolts                | 34 | Oil filter       |

#### Modification notes

|         |                                      |                    |
|---------|--------------------------------------|--------------------|
| 23.6.10 | Reference to modified oil pan, added | BT27.10-P-0006-01A |
|---------|--------------------------------------|--------------------|

|                | Removing                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Danger!</b> | <b>Risk of injury</b> to skin or eyes caused by hydraulic fluid spraying out under high pressure. <b>Risk of poisoning</b> caused by swallowing hydraulic fluid                                                          | Depressurize the hydraulic system completely before starting any work on the system. Wear protective clothing and safety glasses.                                                                                                                                                                                                                                                                                              | AS00.00-Z-0013-01A |
| <b>Danger!</b> | <b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the engine as it is running | 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 |
| <b>Danger!</b> | <b>Risk of injury</b> to skin and eyes caused by handling hot or glowing objects.                                                                                                                                        | Wear safety gloves, protective clothing and safety glasses, if necessary.                                                                                                                                                                                                                                                                                                                                                      | AS00.00-Z-0002-01A |
| <b>Danger!</b> | <b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.                                                                                                                                 | 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 |
| 1              | Move A/T into neutral position and switch off ignition                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| 2              | Lift vehicle on lifting platform.                                                                                                                                                                                        | The vehicle must be horizontal in the longitudinal and transverse direction on the vehicle lift.                                                                                                                                                                                                                                                                                                                               |                    |
| 3              | Check oil pan (3)                                                                                                                                                                                                        | The oil pan (3) and overflow pipe (31) have been redesigned to optimize the oil supply to the A/T. The previous oil pan (3) without chamfer and with black overflow pipe (31) is, after removal, to be replaced by an oil pan (3) with chamfer and with white overflow pipe (31).<br>Only category P with transmission 722.9 as of production date 21.6.2010 with engine 113, 156, 157, 271, 272, 273, 275, 276, 278, 642, 651 | BT27.10-P-0006-01A |
| <b>BT</b>      | Oil pan and overflow tube modified                                                                                                                                                                                       | Only category P with transmission 722.901                                                                                                                                                                                                                                                                                                                                                                                      | BT27.10-P-0006-01W |
| <b>BT</b>      | Oil pan and overflow tube modified                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| 4              | Remove drain screw from oil pan (3)                                                                                                                                                                                      | Collect escaping ATF with drain pan. Note automatic transmission oil quantity.                                                                                                                                                                                                                                                                                                                                                 |                    |

|                                                                                  |                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|                                                                                  |                                                                                                                                         | Drain pan<br><a href="#">gotis://S 18.1 08.0</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |
| 5                                                                                | Pry overflow pipe (31)  off base using a drift (arrow) |  Collect escaping ATF with drain pan. Note automatic transmission oil quantity.<br>Drain pan<br><a href="#">gotis://S 18.1 08.0</a><br> Drift                                                                                                                                                                                                                                                                                                                                                  | *722589031500                                 |
| 6                                                                                | Drain ATF from torque converter                                                                                                         | Vehicles with drain screw on torque converter, except on transmission 722.93<br>Drain pan<br><a href="#">gotis://S 18.1 08.0</a><br>                                                                                                                                                                                                                                                                                                                                                                                                                                            | AR27.20-P-0200-03R<br><br>*BA27.20-P-1001-01C |
| 7                                                                                | Remove oil pan (3)                                                                                                                      |  To do this, remove bolts (3b) and remove sprag (3a).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |
| 8                                                                                | Remove oil filter (34)                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| 9                                                                                | Remove overflow pipe (31) from oil pan (3)                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
|  | <b>Clean</b>                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| 10                                                                               | Clean permanent magnet (32) and check for damage                                                                                        |  Replace permanent magnet (32) if necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| 11                                                                               | Clean oil pan (3)                                                                                                                       |  It is essential to clean and degrease sealing surfaces thoroughly. Allow cleaning spray used to flash off completely, otherwise leakages can occur. The sealing surfaces on the oil pan (3) and transmission housing (1) must be free from oil and grease.                                                                                                                                                                                                                                                                                                                     |                                               |
|  | <b>Install</b>                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| 12                                                                               | Install new oil filter (34) with new O-ring                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| 13                                                                               | Install new overflow pipe (31)                                                                                                          |  Press new overflow pipe (31) firmly onto the base (arrow) in the oil pan (3). The overflow pipe (31) must latch noticeably.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| 14                                                                               | Install oil pan (3) with new seal (33)                                                                                                  |  Always replace seal (33).<br> The sprags (3a) are only authorized for transmission 722.9 and may not be mixed up with sprags (3a) of another transmission, otherwise contact corrosion can occur. Replace bolts (3b).<br> Do not coat any sealant or sealing component on oil pan (3) and transmission housing (1)<br> | *BA27.10-P-1002-03A                           |
| 15                                                                               | Fill automatic transmission with transmission oil.                                                                                      | Transmission 722.9 except 722.950 /960 /961 /962 /963 /964 /965 /966<br>Transmission 722.950 /960 /961 /962 /963 /964 /965 /966                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AR27.00-P-0270W<br><br>AR27.00-P-0270SYZ      |
| 16                                                                               | Lower vehicle                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |

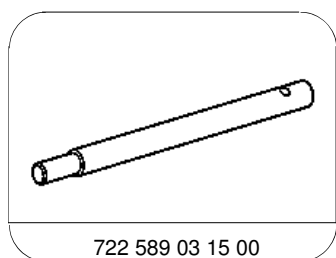
#### Oil pan, automatic transmission

| Number             | Designation                           | Trans-<br>mission<br>722.9 |     |
|--------------------|---------------------------------------|----------------------------|-----|
| BA27.10-P-1002-03A | Bolt, oil pan to transmission housing | Nm                         | 4   |
|                    |                                       | °                          | 180 |

#### Torque converter

| Number | Designation | Trans-<br>mission<br>722.9 |
|--------|-------------|----------------------------|
|        |             |                            |

|                    |                                    |     |    |    |
|--------------------|------------------------------------|-----|----|----|
| BA27.20-P-1001-01C | Oil drain bolt to torque converter | M8  | Nm | 10 |
|                    |                                    | M10 | Nm | 15 |



Drift