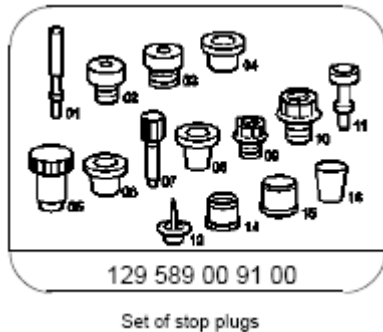


## TRANSMISSION

## Automatic Transmission - Testing &amp; Repair - CL63

## TESTING &amp; REPAIR

## DISCONNECT/CONNECT TRANSMISSION OIL LINE - AR27.10-P-0501-03SX



**Fig. 1: Identifying Set Of Stop Plugs (589 00 91 00)**

Courtesy of MERCEDES-BENZ USA

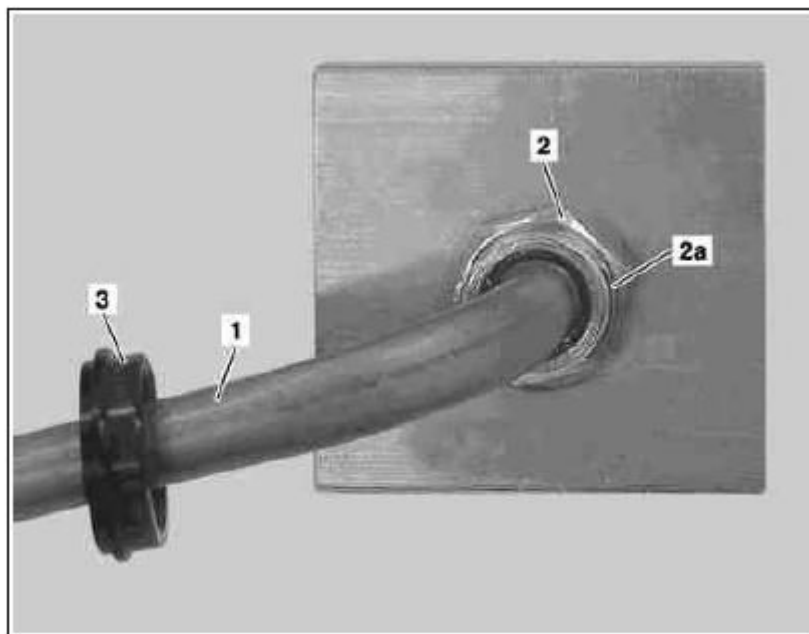
### Remove retaining clamp on connector

**i** Before opening the hydraulic system the area surrounding the separation point should be cleaned thoroughly. Even minute particles of dirt in the hydraulic components can result in malfunctions and total failure of the hydraulic system.

1. Detach dust cap (3) and push back along the transmission oil line (1) until the connector (2) is accessible.
2. Position a suitable tool (e.g. hook) at one end of the retaining clamp (2a) and pull the retaining clamp (2a) off the connector (2).
3. Pull transmission oil line (1) out of connector (2).

**i**  Seal off line connections using plugs.

4. Pull dust cap (3) off transmission oil line (1).



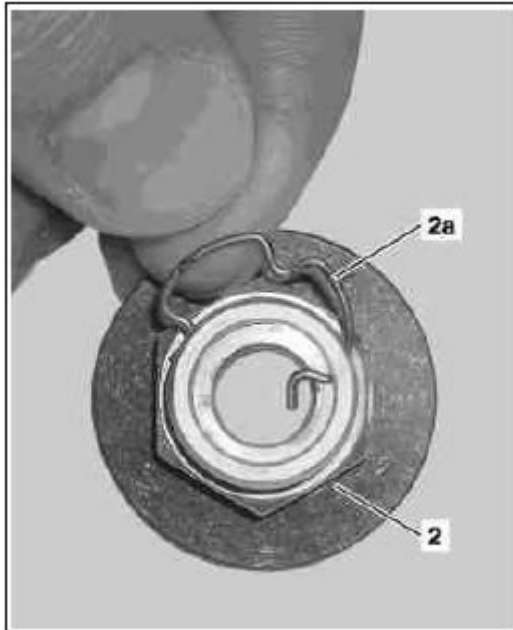
P27.55-2045-11

**Fig. 2: Identifying Transmission Oil Line, Connector, Dust Cap And Retaining Clamp**  
Courtesy of MERCEDES-BENZ USA

**Attach retaining clamp to connector**

**i** The safety clamp (2a) must be replaced after every disconnection of a transmission oil line (1).

5. Introduce one end of the safety clamp (2a) into a cutout (2b) on the connector (2).
6. Push retaining clamp (2a) in the direction of the arrow until the retaining clamp (2a) clicks into place in the connector (2).



P27.55-2043-02

**Fig. 3: Attaching Safety Clamp**  
Courtesy of MERCEDES-BENZ USA

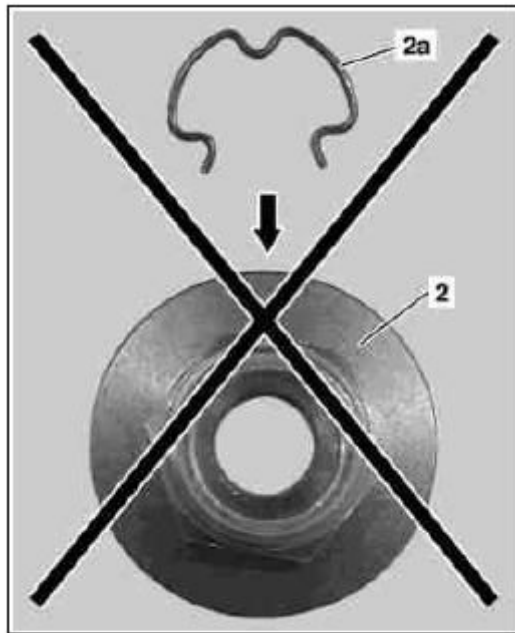


P27.55-2044-02

**Fig. 4: Pushing Retaining Clamp**  
Courtesy of MERCEDES-BENZ USA

**i** The securing clamp (2a) must not be pushed straight (radially) over the connector (2) otherwise the

securing clamp (2a) will be overstretched and correct sealing of the line connection is no longer guaranteed.



P27.55-2042-02

**Fig. 5: Caution For Pushing Securing Clamp**  
 Courtesy of MERCEDES-BENZ USA

**Attach transmission oil line to connector**

**i** The dust cap (3) must be replaced after every disconnection of a transmission oil line (1).

7. Push dust cap (3) onto the transmission oil line (1).
8. Introduce transmission oil line (1) straight into the connector (2) until it audibly and noticeably latches.
9. Push dust cap (3) onto the connector (2) until it latches and can turn freely.

**i** If the dust cap (3) cannot be pushed over the connecting point then the transmission oil line (1) is not fully latched in the connector (2) or the safety clamp (2a) is overstretched.

**REMOVE/INSTALL LINES AT AUTOMATIC TRANSMISSION - AR27.10-P-0502-01SX**

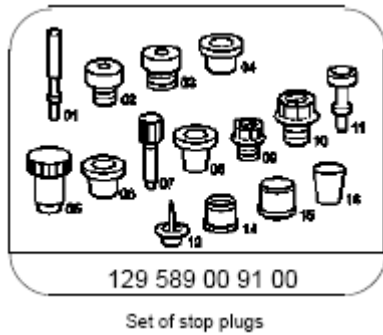
**TRANSMISSION OIL COOLING SYSTEM**

Number	Designation	Transmission 722.9			
BA27.55-P-1002-01D	Bolt, transmission oil line to transmission housing	Banjo bolt	Stage 1	Nm	5
			Stage 2	Angle°	90
		Hexalobular bolt		Nm	12

## 2010 Mercedes-Benz CL63

### TRANSMISSION Automatic Transmission - Testing & Repair - CL63

BA27.55-P-1005-01D	Bolt, oil cooling line double clamp to bracket	Nm	8
BA27.55-P-1006-01D	Bolt, oil cooling line double clamp to engine oil pan	Nm	8



**Fig. 6: Identifying Set Of Stop Plugs (129 589 00 91 00)**  
Courtesy of MERCEDES-BENZ USA

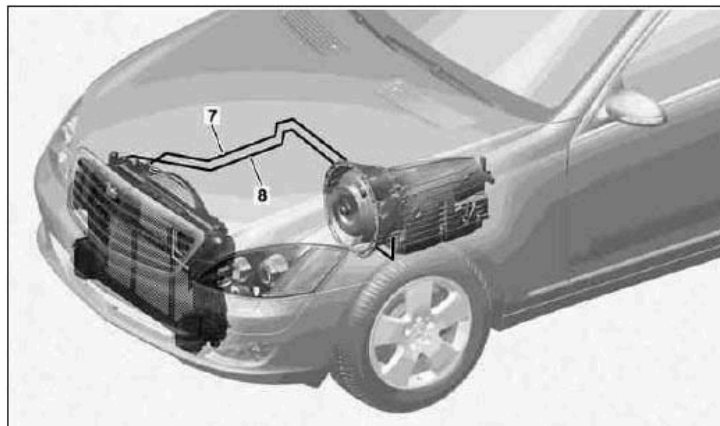
### REPAIR MATERIALS

Number	Designation	Order number
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**CLEANER FROM PACKAGE - BR00.45-Z-1028-04A**

**Shown on transmission 722.906**

- 7 Right oil cooling line (feed)
- 8 Left oil cooling line (return)

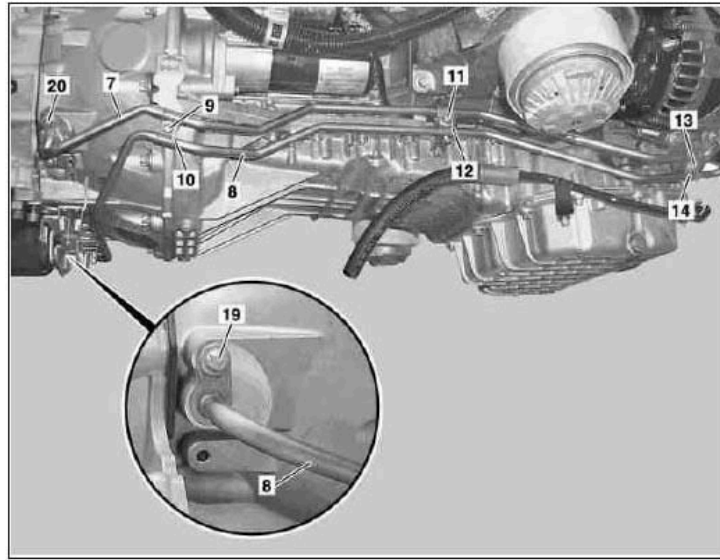


P27.66-2062-05

**Fig. 7: Identifying Oil Cooling Lines Of Automatic Transmission**  
Courtesy of MERCEDES-BENZ USA

**Shown on transmission 722.906**

- 7 Right oil cooling line (feed)
- 8 Left oil cooling line (return)
- 9 Screw
- 10 Double clamp
- 11 Screw
- 12 Double clamp
- 13 Screw
- 14 Double clamp
- 19 Screw
- 20 Screw



P27.66-2061-08

**Fig. 8: Identifying Oil Cooling Lines, Clamps & Screws**  
 Courtesy of MERCEDES-BENZ USA

1. Thoroughly clean area around separation point at hydraulic system.
  - i Even the smallest dirt particles in the hydraulic components can lead to malfunctions and a total failure of the transmission.
2. Remove bolts (9, 11, 13).
3. Remove double clamps (10, 12, 14) and retaining clamps.
4. Remove bolt (20).
5. Pull right oil cooling line (7) out of transmission and seal line connection and oil hole in transmission using stop plugs.
  - i To prevent damage and leaks, do not kink or bend the right oil cooling line (7).
  - i **Installation:** Install new gasket
6. Remove bolt (19).
7. Pull left oil cooling line (8) out of transmission and seal line connection and oil hole in transmission using stop plugs.
  - i To prevent damage and leaks, do not kink or bend the left oil cooling line (8).
  - i **Installation:** Install new gasket
8. Install in the reverse order.