



Mercedes-Benz

service information

TO: ALL MERCEDES-BENZ PASSENGER CAR DEALERS

DATE: May 1996

REF. NO. MBNA 46/03

SUBJECT: MODELS 124, 129 AND 140 WITH ENGINE 119.970/971/972/974/975
REPLACING THE CONNECTING FEED HOSE BETWEEN THE FLUID RESERVOIR
AND THE POWER STEERING PUMP

In the above listed models with engine 119 (LH-SFI), a common source of power steering fluid leakage has been determined to be the connecting feed hose between the power steering fluid reservoir and the pump. Refer to the procedure below to replace the hose on pumps manufactured by "ZF" or "Vickers/LUK".

Note:

The length of the hose varies with the pump manufacturer. Refer to the Electronic Parts Catalog (EPC) or Parts Microfiche for proper hose application based on the pump manufacturer.

Procedure.

1. Extract power steering fluid from reservoir (35, Figure 1) using extracting hand pump - Special Tool 112 589 00 72 00.
2. Remove power steering fluid filter from inside of reservoir (35h, Figure 1).
3. Unscrew 2 bolts (not shown) from the side of the reservoir, fastening the bracket supporting the reservoir to the cylinder head.
4. Unscrew 4 bolts (35a, Figure 1) holding reservoir on its bracket from inside of the fluid reservoir and remove gasket (2g, Figure 1).

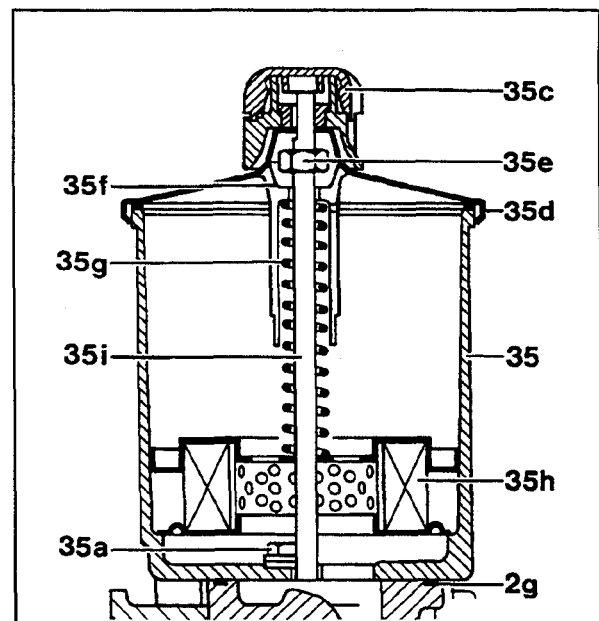


Figure 1

P46-5298-13

Order No. S-SI-MBNA-46/03

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Technical Information

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Note:

The power steering fluid reservoir (35, Figure 2) is mounted on top of a support bracket (1a, Figure 2). The pump (1, Figure 2) is bolted to bottom of a support bracket.

5. Remove return line (not shown) attached to the back side of the fluid reservoir by unscrewing two bolts and remove O-ring.

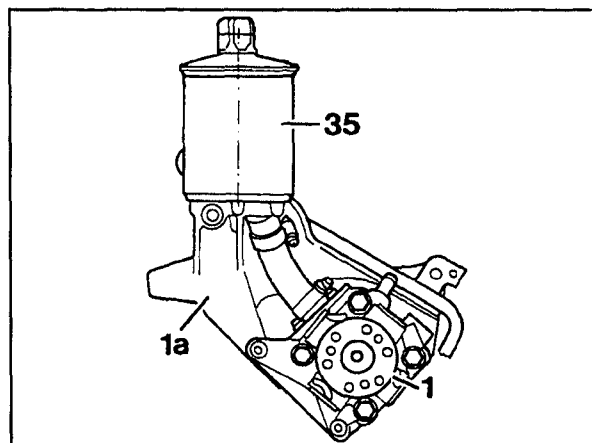


Figure 2

P40-5193-13

6. Loosen hose clamps (30c, Figure 3) on connecting hose.
7. Loosen and remove connecting pipe (30m, Figure 3) and aluminum washer.
8. Remove the connecting hose (30j, Figure 3).
9. Inspect power steering pump bracket near threaded area for connecting pipe (30m, Figure 3). If no evidence of porous casting exists, replace the connecting hose (30j, Figure 3) and hose clamps (30c, Figure 3). Do not tighten the clamps at this time.

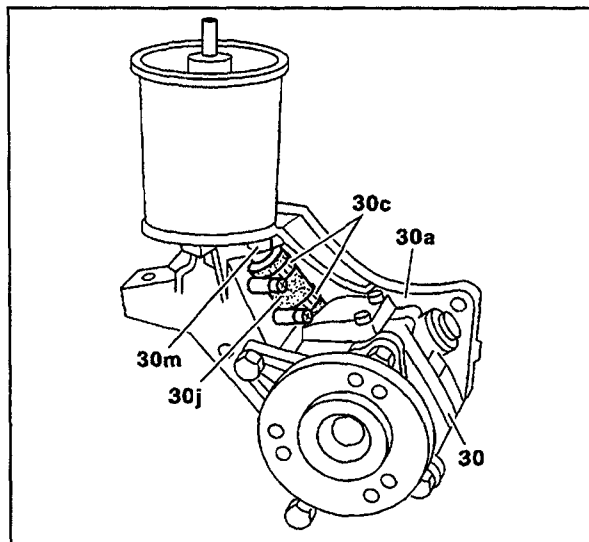


Figure 3

P46.30-0205-02

Note:

Install correct hose for respective power steering pump manufacturer. Refer to Electronic Parts Catalog (EPC) for hose application based on pump manufacturer. **Do not reuse washers, gaskets and O-rings. Replace them with new ones.**

10. Replace aluminum washer and reinstall connecting pipe (30m, Figure 3).
Tightening torque: 6 Nm.
11. Tighten the connecting hose clamps (30c, Figure 3). **Tightening torque: 1.5 Nm.**

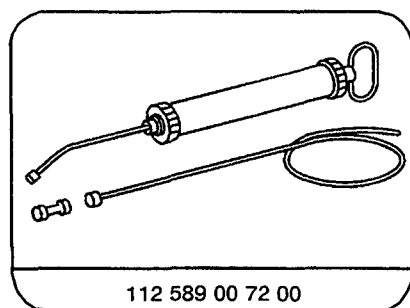
11. Replace O-ring seal with a new one and reconnect fluid return line to the back side of the reservoir. Secure it with two bolts.
12. Replace gasket (2g, Figure 1) and reinstall power steering fluid reservoir (35, Figure 1) by bolting four 10mm bolts (35a, Figure 1). **Tightening torque: 8 Nm.**
13. Attach the reservoir to the supporting bracket by bolting the bracket to the side of the fluid reservoir with two bolts.
14. Install power steering fluid filter (35h, Figure 1). Replace when applicable.
15. Replenish power steering fluid to factory level specification. Check for leaks and proper operation of the steering system.

Note:

When performing any repairs on power steering hydraulic systems, maintain a high level of cleanliness. Refer to SMS - group 46 brown microfiche for any additional information.

Parts Information

Part Name	Part Number
Connecting pipe	119 230 07 57
Washer for connecting pipe	007 603 02 01 00
Gasket under fluid reservoir	129 466 01 80
O-ring for return line	119 997 00 45

Special Tools**In Case of Warranty**

Damage Code	Operation Number	Time (hrs.)	Model Indicator(s)
46 533 04/38	46-5400	0.7	A2, A3, A7, A8, 67, 68, 93