

DAIMLERCHRYSLER

DaimlerChrysler
India Private Limited

Pune, June 24, 2005

Workshop Incharge
DC India Authorised Workshops

Service Measure during next workshop visit

Accounting No. 4392001.

Dear All,

We are in receipt of the subject Service Measure from DCAG for vehicle model R 230. **model R230 vehicles visit your workshop for their maintenance inspections, the brake system must always be bled.**

To improve the bleeding process, making it easier and improving the serviceability of the vehicles, a modified bleeding routine has been developed for DAS. In order to use the entire effectiveness of this new bleeding routine, all model R230 vehicles are to be equipped with suction hoses that have a smaller diameter. The vehicles visiting your workshop are to be checked and the SBC suction hose replaced if necessary. Please refer to the attached work instructions for the test and work procedures. The list of the affected vehicles is included in the enclosed CD. Please note that the locations mentioned in the list are only indicative and any vehicle mentioned in the list visiting your workshop has to be attended for this Campaign.

Spare Parts, Operation texts and flat rates:

Please refer enclosed Work Instructions.

Please ensure that the necessary parts are available in your parts stock in sufficient quantity. The orders against Service Measures **will not be** considered for VOR/stock ratio. This campaign being of unprecedented magnitude, the off take of related parts **will not contribute** to Dealer target achievement, hence **will not be** considered for performance oriented incentives. (POM)

Damage code: 0439200117.

Accounting No.: A warranty/goodwill claim for the costs of labour and material (if any) may be submitted to us, quoting the accounting number **4392001.**

Board of Management
Klaus-Peter Arnold, Piyush Arora, Hans-Michael Huber (Speaker),
Suhas Kadlaskar, Augustus Mallier, Sanjiv Sahajwala

A Company of the DaimlerChrysler Group

Registered office, Corporate Office & Works: D
Sector 15-A, Chikhali
Pimpri, Pune 411 018 (India)
Phone: (+91) 20 27505000
www.mercedes-benz.co.in

: 2 :

It is **mandatory** for you to ensure that the vehicles visiting your workshop are also checked and attended, if applicable, for the below mentioned Service Measures released by us.

1. Recall campaign - Mount ground line & bracket on SBC wiring harness, accounting number 5496033.
2. Recall campaign - Check SBC hydraulic unit and replace if necessary, accounting number 4391101.
3. Check alternator regulator and replace it, if necessary, accounting number 5493001.

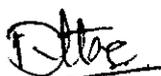
Completion Deadline: This service measure should be completed [REDACTED]

Kindly explain the above instructions to your concerned staff and also provide your **personal attention** to complete this campaign as soon as possible.

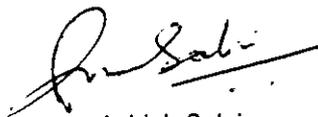
For any queries you may have related to this information & activities, please immediately contact the right undersigned or Mr. Devendra Thakur.

Please acknowledge receipt of this letter.

With best regards,
DaimlerChrysler India Private Limited



D. Chandavarkar
Director
After-Sales



Ashish Salvi
Dy. General Manager
Field Service

Copies to - DCIPL Service Representatives} for close follow up with the workshops.

Encl. - Work Instructions
- CD with affected vehicle details

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WORK DESCRIPTION FOR SERVICE MEASURE

Code: 0503P43A29

Version 2.11

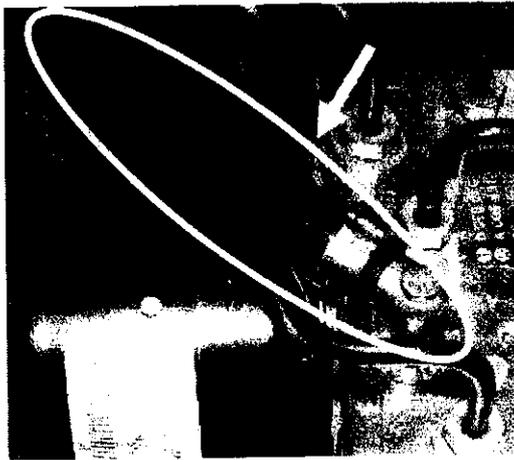
Check SBC suction hose, replace if necessary
Model 230

General information

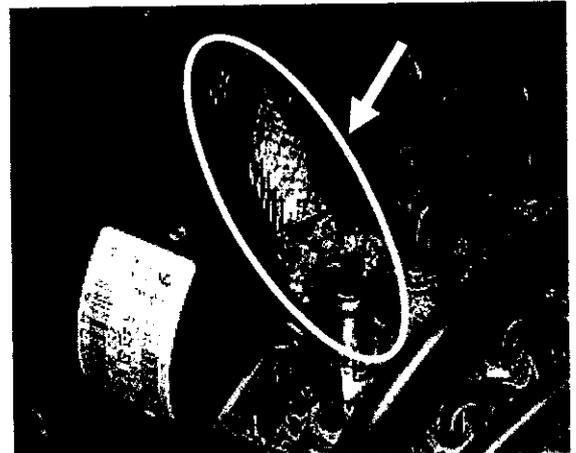
Risk of injury caused by body parts being jammed or crushed. Risk of injury to skin and eyes caused by brake fluid spraying out at high pressure when working on the SBC brake system
Risk of poisoning from swallowing brake fluid.
Pour brake fluid only into suitable and appropriately marked containers. Wear protective clothing and eye protection when handling brake fluid.

Check/test procedure:

1. Check the version of the SBC suction hose:



Picture 1 (new): Rubber hose



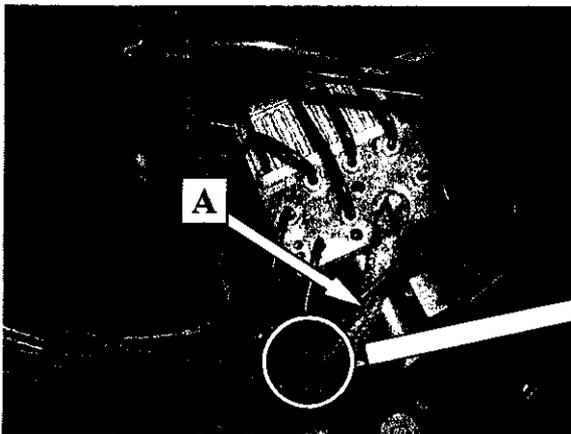
Picture 2 (old): Braided hose

If a new hose is already installed (see picture 1): **No more work has to be done.**

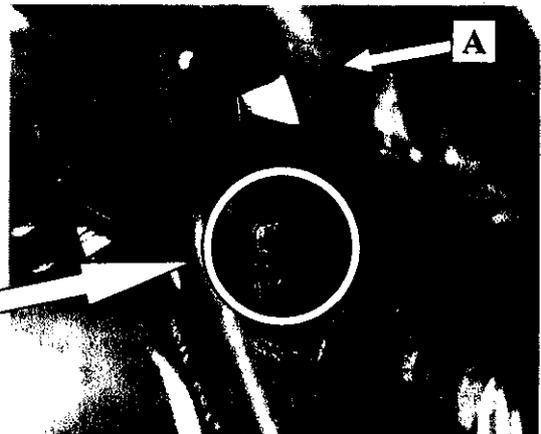
If an old hose is still installed (see picture 2): **Continue with step 1.**

Work procedure:

1. Connect battery charger;
Do not connect to battery ground terminal. Connect to ground point on vehicle frame
2. Deactivate SBC system using DAS.
3. Remove intake duct on right side of engine.
4. Completely replace suction hose (A) (see pictures 3 and 4).
5. Open the mounting clip for the suction hose (see pictures 3 and 4) and remove suction hose.



Picture 3: Location of mounting clip



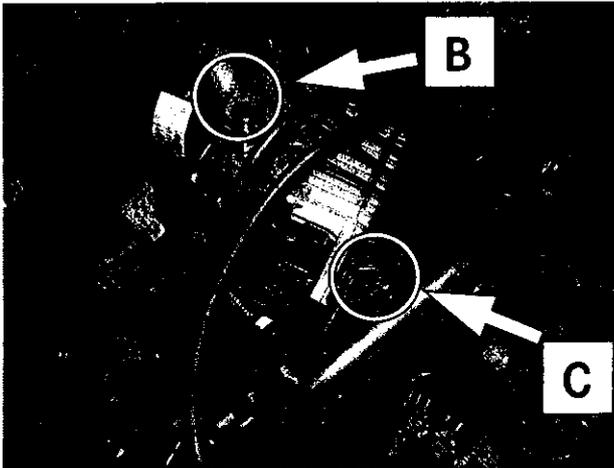
Picture 4: Location of mounting clip

6. Remove mounting clip from threaded stud
7. Remove both of the white cable clamps (Omega mounting clips located under the SBC hydraulic unit) from the suction hose (see picture 5).



Picture 5: Location of the cable clamps (Omega mounting clips)

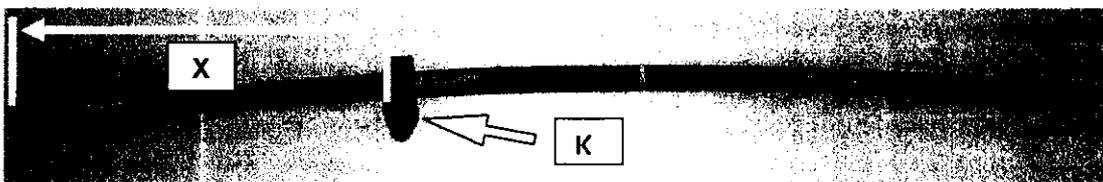
8. Loosen hose clamp "B" (see picture 6) at the connection on the SBC hydraulic unit and remove suction hose. Use wedge tool W110 589 03 59 00 for this.
9. Loosen hose clamp "C" (see picture 6) where the suction hose connects to the suction line and then carefully remove suction hose from suction line. Use wedge tool W110 589 03 59 00 to remove hose from line.



Picture 6: Location of hose clamps on the suction line

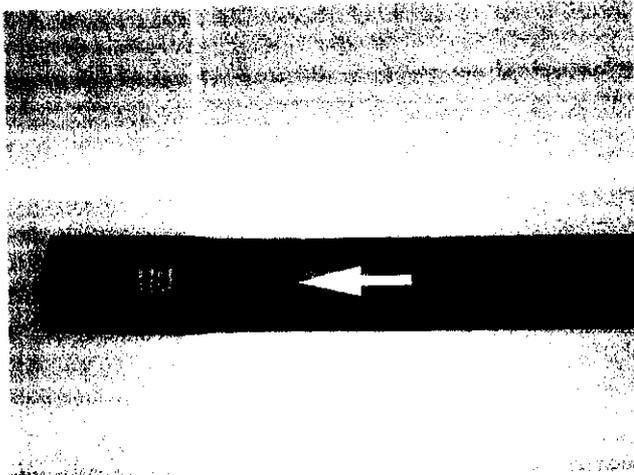
- Note:** Do not use a screwdriver or any other sharp-edged tool to remove the suction hose from the suction line, otherwise the suction line might be damaged and, as a result, the correct operation of the SBC brake system can no longer be ensured.
- Note:** When removing suction hose, do not bend suction line.
- Note:** To prevent brake fluid from running out and to prevent contamination in the brake system, the suction hose and line are to be plugged using suitable plugs from the stop plug kit (W129 589 00 91 00).
The removed suction hose is no longer needed.

10. Before installing the new suction hose please check dimension X and correct if necessary by adjusting the position of mounting clip "K" (see picture 7). Dimension X must be exactly 20cm.



Picture 7: New suction hose

11. Slide the "HU" marked end of the new suction hose (see picture 8) onto the SBC hydraulic unit connection and mount with a **new** hose clamp.



Picture 8: End of hose marked with "HU" for connecting to hydraulic unit

12. Slide the other end of the suction hose onto the suction line located underneath the SBC hydraulic unit and mount hose with a **new** hose clamp. Make absolutely sure that the new suction hose is not kinked and is not under tension and that **new** cable clamps (Omega mounting clips) are also used.
13. Press the new suction hose's mounting clip "K" (see picture 7) onto the threaded stud (see picture 4).
To make it easier to press it on, remove the plastic cover from over the right headlamp, then use an extension and a plastic mallet to tap it onto the stud.
14. Check the connections of the suction tract for leaks by using the brake fluid filling device at its maximum pressure (2.5 - 3.0 bar) for at least 5 minutes, then check the entire suction line for visible leaks, especially at all of the connections.

Note: Even the smallest of drops is an indication of a leak.

15. Bleed the SBC brake system using DAS.
The instructions in DAS must be absolutely followed.

Parts

Quantity	Designation	Part no.
1	Suction hose	A 230 420 04 48/05
2	Hose clamp	A 005 997 19 90
2	Cable clamp (Omega mounting clip)	A 000 995 52 44
2.25l	Brake fluid (observe container size)	A 000 989 08 07 xx 17=(0.75l)/18=(5l)/19=(30l)

Operation text and flat rate

Operation no.	Operation text	Flat rate	Accounting no.
02 - 4762	Disconnect/connect Diagnosis Assistance System (DAS)	0.2 hrs.	43 920 01
02 - 4845	Replace SBC suction line (with DAS connected)	2.3 hrs.	43 920 01
02 - 4845	Replace SBC suction line (with DAS connected) 230 474, 476, 479	2.4 hrs.	43 920 01

Special tool

Quantity	Designation	Part no.
1	Wedge tool	W 110 589 03 59 00
1	Stop plug kit	W 129 589 00 91 00

DaimlerChrysler AG
Global Service & Parts