

DAIMLERCHRYSLER

DaimlerChrysler
India Private Limited

Pune, August 11, 2005

Workshop Incharge
DC India Authorised Workshops

Suppliment to recently launched below mentioned Service Measures

1. Mount ground line & bracket on SBC wiring harness. (Accounting No. 5496033)
2. Check SBC hydraulic unit and replace if necessary (Accounting number 4391101)
3. Check SBC suction hose and replace if necessary (Accounting number 4392001)
4. Check alternator regulator and replace it, if necessary (Accounting number 5493001)
5. Program battery control unit (Accounting number 5498031)

Dear All,

Kindly refer our earlier documents dated 24th June 2005 related to the above mentioned service Measures and note the following changes / amendments in the documentation.

- While submitting the claims, please add '01' to all the operation texts mentioned in the documentation of all the above mentioned service Measures. (e.g. the operation no. 02-4844 for operation text 'check bracket of SBC wiring harness' should be mentioned in the claim as 02-4844 01.)
- Please read the damage code for Service Measure 'Check SBC suction hose and replace if necessary (Accounting number 4392001)' as 043920017. The same was wrongly mentioned as 0439200117. X
- The work instruction for Service Measure 'Check SBC suction hose and replace if necessary (Accounting number 4392001)' has been revised. The same is enclosed herewith for your reference. (Annexure I) ← correct your data.
- The work instruction for Service Measure 'Check alternator regulator and replace it, if necessary (Accounting number 5493001)' has been revised. The same is enclosed herewith for your reference. (Annexure II) ←

Kindly ensure that your concerned staff is well aware of the above. For any queries you may have related to this information, please immediately contact the right undersigned or Mr. Devendra Thakur.

Registered office, Corporate Office & Works Dr.
Sector 5, Chikhar
Pimpri, Pune 411 017 (India)
Phone: (+91) 20 27505000
www.mercedes-benz.co.in

Board of Management
Klaus-Peter Arnold, Prash Arora, Hans-Michael Huber (Speaker),
Ravi Gogia, Suresh Kadiaskar, Augustus Mallier, Sanjiv Sahajwala
Company of the DaimlerChrysler Group

D.S. Also please check whether you have already ordered parts? (wrong order) also about repairing SP. Tests? pl confirm

connection

Mr. Go through this Amendment Circular and inform Mr. Thakur accordingly or prepare New Order as instructed. Also inform your team about this. 13/08/05

: 2 :

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

*Pl. Acknowledge
for nothing.
D*

Copies to - DCIPL Service Representatives} for information.

Encl. - Revised Work Instructions (Annexure I & II)

ANNEXURE I

WORK DESCRIPTION FOR SERVICE MEASURE

Code: 0503P43A29

Version 3.6

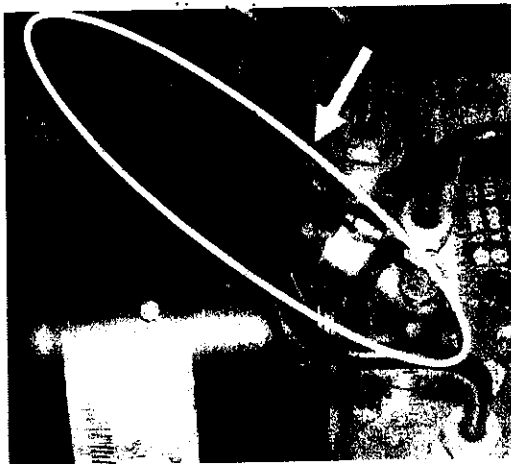
Check SBC suction hose, replace if necessary
Model 230

General information

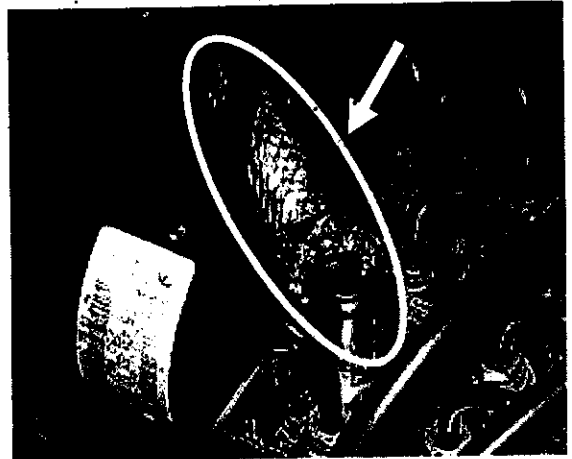
Risk of injury caused by body parts being jammed or crushed. Risk of injury to skin and eyes caused by brake fluid spraying out at high pressure when working on the SBC brake system
Risk of poisoning from swallowing brake fluid.
Pour brake fluid only into suitable and appropriately marked containers. 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 rubber hose is already installed (see picture 1): **No more work has to be done.** ←

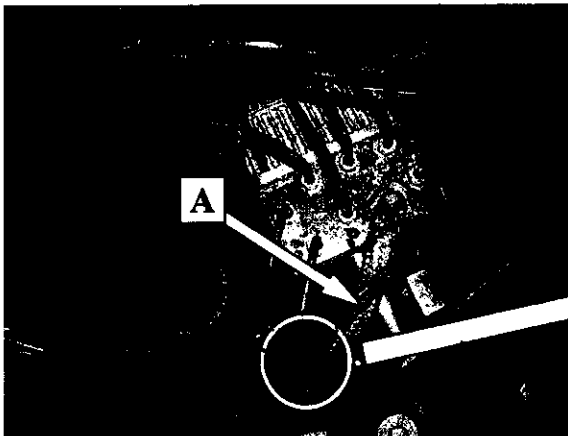
If a braided hose is still installed (see picture 2) **Continue with step 1.**

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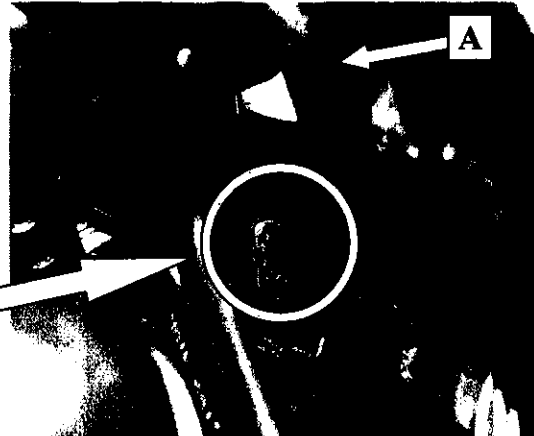
Work procedure:

1. Connect battery charger;
Do not connect to battery ground terminal. Use a different vehicle ground point.
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.

*Very
imp.*



Picture 3: Location of mounting clip



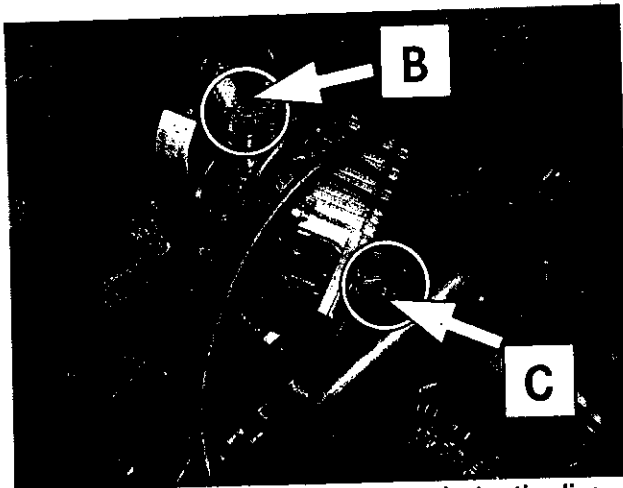
Picture 4: Location of mounting clip

6. Remove mounting clip from threaded stud (see picture 4)
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)

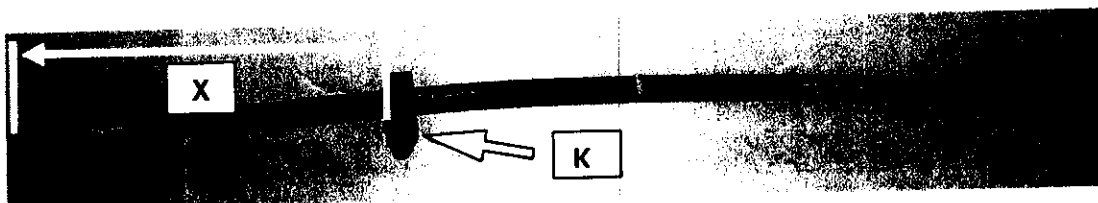
8. Loosen hose clamp "B" (see picture 6) at the connection on the SBC hydraulic unit and remove suction hose. Use a plastic wedge tool (e.g.: W 110 589 03 59 00) to do this.
9. Loosen hose clamp "C" (see picture 6) where the suction hose connects to the suction line and then carefully remove suction hose from suction line. Use plastic wedge tool (e.g. W110 110 589 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.**

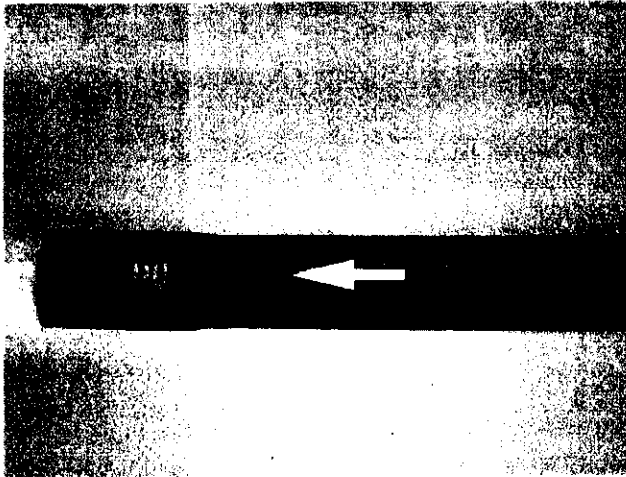
10. Before installing the new suction hose, please check dimension X and correct if necessary by adjusting the position of mounting clip "K" (see picture 7). Dimension X must be exactly 20 cm.



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.

Note: Always use a **new** hose clamp and a **new** cable 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 underneath the SBC hydraulic unit and mount 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 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 on mounting clip "K", remove the plastic cover from over the right headlamp. Then use an extension and a plastic mallet to tap mounting clip "K" onto stud.
3. Check the connections of the suction lines for leaks.

Note: Even the smallest of drops is an indication of a leak.
The brake fluid filling device must be at its maximum pressure (2.5 - 3.0 bar) for at least 5 minutes. Then check the entire suction lines for visible leaks, especially at all connections.

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

ANNEXURE II

SERVICE MEASURE WORK DESCRIPTION

Code: 0502P54A23

Version 3.6

Replace regulator for alternator

M 112/M 113

Check/test procedure

- i** Before carrying out the work, ensure that the **DAS version 04/05**, including the **0374 add-on**, or a higher DAS version is used.
- i** If DAS is already connected to the vehicle, begin with step 2.





Figure 1

1. Connect the Diagnosis Assistance System (DAS) and perform a quick test.
- i** Only Bosch alternators are installed for M 113 engines, thus it is not necessary to check for the manufacturer. The regulator can be immediately replaced.
2. Check alternator manufacturer model (M 112 only, from top with mirror, Fig. 1)
 - a Additional work is not required for the Valeo alternator.
 - b For the Bosch alternator, see work procedure.

Work procedure

1. Disconnect battery ground line (**Nm** 7 Nm).
2. Partially remove bottom engine compartment paneling (**except 4MATIC**).
3. Remove multiplug from regulator (5).
4. Remove alternator (G2) (**M 112 4MATIC and 208 models only** **Nm** Mounting bolt, 42 Nm).
5. Loosen alternator (G2) and turn (**M 113 4MATIC only** **Nm** Mounting bolt, 42 Nm).

6. Remove cap from circuit 30 and disconnect electrical connections at alternator (G2) ( nut, circuit B+ to alternator, 18 Nm).
7. Remove cover (1); to do this, unscrew collar nut (2), nut (3) and screw (4).
8. Remove screws (6) from regulator (5).
9. Replace regulator (5).
 Do not damage the carbon brushes during assembly.
10. Install in the reverse order.
11. Perform basic programming.
12. Delete any stored faults.

Parts

Quantity	Designation	Part no.
1	Regulator, models 211; 215; 219; 220; 220; 230; 463	A 003 154 49 06
1	Regulator, models 163; 203; 208; 209	A 003 154 50 06
As req.	Screw (connecting regulator to alternator)	A 001 990 61 21

Operation text and flat rate

Operation no.	Operation text	Flat rate	Accounting no.
02 - 4762	Disconnect/connect Diagnosis Assistance System (DAS)	0.2 hrs.	54 930 01
02 - 4827	Check regulator for alternator (M 112)	0.1 hrs.	54 930 01
02 - 4828	Replace regulator for alternator (DAS connected) Model 463, M 113	0.5 hrs.	54 930 01
02 - 4828	Replace regulator for alternator (DAS connected) Models 211/211 4MATIC/219	0.6 hrs.	54 930 01
02 - 4828	Replace regulator for alternator (DAS connected) Models 215/220/230	0.7 hrs.	54 930 01
02 - 4828	Replace regulator for alternator (DAS connected) Models 163 M113/ 215/203/209, M 113/220 M 113 AMG/ 220 4MATIC	0.8 hrs.	54 930 01
02 - 4828	Replace regulator for alternator (DAS connected) Model 208, M 113	1.0 hrs.	54 930 01

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