DAIMLERCHRYSLER

DaimlerChrysler
India Private Limited

Pune, June 24, 2005

Workshop Incharge
DC India Authorised Workshops

Recall Service Measure
W211, R230 - Check SBC hydraulic unit and replace if necessary.
Accounting No. 4391101.

Dear All,

We are in receipt of the subject Recall Service Measure from DCAG for vehicle models W 211 and R 230. On these vehicles, problems can occur with the SBC hydraulic unit caused by fluctuations in the supplier's production process. For this reason and as a precaution, **please replace the SBC hydraulic unit on the vehicles reported to you.** Please refer to the accompanying work instructions for the 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.

Kindly note that this is an active Service Measure and you need to call the vehicles to complete the same. The Customers reporting to you are to be informed through a written communication with recorded delivery (Registered AD) as per the attached approved text format, advising them about this action and requesting to send their vehicles to your workshop. Please note that there **should not be** any change in the approved text format of the invitation letter.

Very Important Note: The vehicles affected for this Service Measure as mentioned in the list are to be attended for this Recall Service Measure - Checking SBC hydraulic unit and replace if necessary (Accounting No. 4391101) as well as for (Mounting ground line & bracket on SBC wiring harness, Accounting No. 5496033). The enclosed approved text format for letter should be sent **only** for these vehicles.

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 quantities before calling the vehicles. **(Minimum 02 Nos. SBC units)** 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)

..... 2

Damage code: 043911017.

Accounting No.: A warranty/goodwill claim for the costs of labour and material (if any) may be submitted to us, quoting the accounting number **4391101.**

It is **mandatory** for you to ensure that the vehicles visiting your workshop for this Recall Service Measure is 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. Check SBC suction hose and replace if necessary, accounting number 4392001.
3. Check alternator regulator and replace it, if necessary, accounting number 5493001.
4. Program battery control unit, accounting number 5498031.

Completion Deadline: This service measure should be completed by **31st December 2005.**

Considering the criticality of these activities, 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
- Letter format
- CD with affected vehicle details

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

Letter to Customers

(Note: Letter for E & SL Class

Please fill in the appropriate details in the brackets & send this letter on your Dealerships Letter head)

Sub: Recall for free inspection of your vehicle as a precautionary measure.

Dear Sir/ Madam,

Greetings from all of us at (Dealer Name)

As you are aware, examinations related to safety aspects always have priority during our servicing / repair process. As part of our quality checks, we have determined that malfunction in the SBC hydraulic unit may arise in vehicles of the E & SL - Class as a result of fluctuations in the production process of the supplier. Furthermore, natural vibrations of the SBC hydraulic unit may affect the SBC brake system functioning. In this case, greater braking force will be required. To avoid any risk, we intend to check the vehicle SBC system thoroughly.

We therefore request that you make an appointment as soon as possible with the service advisor at your Mercedes-Benz Authorised Service center / dealership. The fixed appointment will reduce the down time to a minimum. The work will require approx. 5.0 hours and will of course be carried out free of charge.

If you have in the meantime sold your vehicle, we kindly request that you write the address of the new owner or the whereabouts of the vehicle on the back of this letter and return it to us.

We are convinced that by proceeding in this manner we are also acting in your best interests, and we apologize for the need for you to make an unscheduled visit to the workshop.

Awaiting your reply and assuring you of our best services at all times, we remain.

Yours sincerely,
For (Dealer Name)

(Name)
Workshop Incharge

Reverse side of letter

To

(Dealer Name & address)
.....
.....
.....

Mercedes-Benz model .....

Chassis number .....

Recall for free inspection of your vehicle as a precautionary measure.

The vehicle has been sold to the following address:

Name/company _____

Postal Address _____

City / Pin code _____

Country*
*if abroad _____

Please tick the following additional statements (if applicable):

New owner/whereabouts of vehicle unknown: ☐

Vehicle stolen: ☐

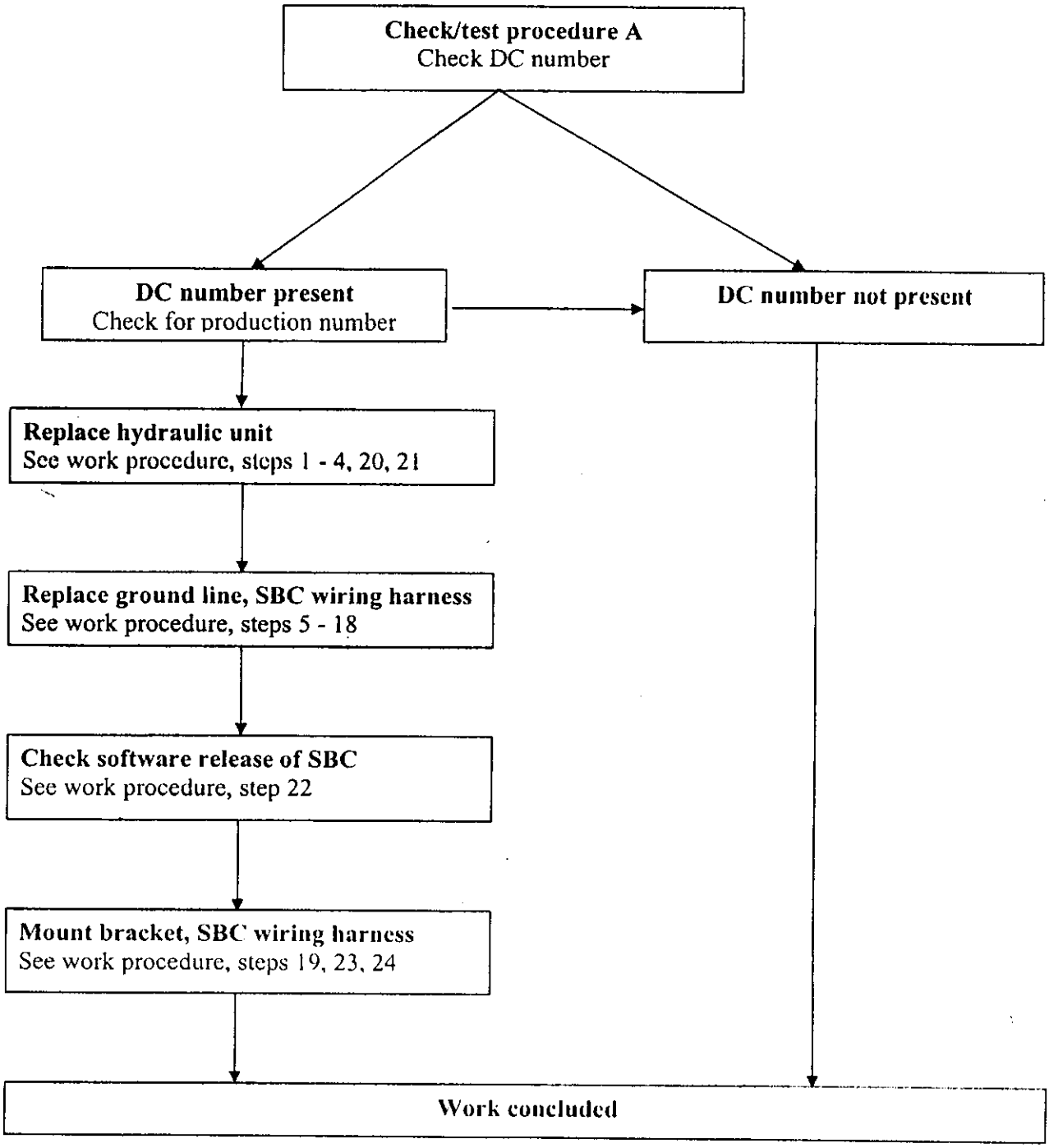
Date..... Signature.....

SERVICE MEASURE WORK DESCRIPTION

Code: 0502P43A22 Version 3.6

Check SBC hydraulic unit and replace if necessary
Model 211

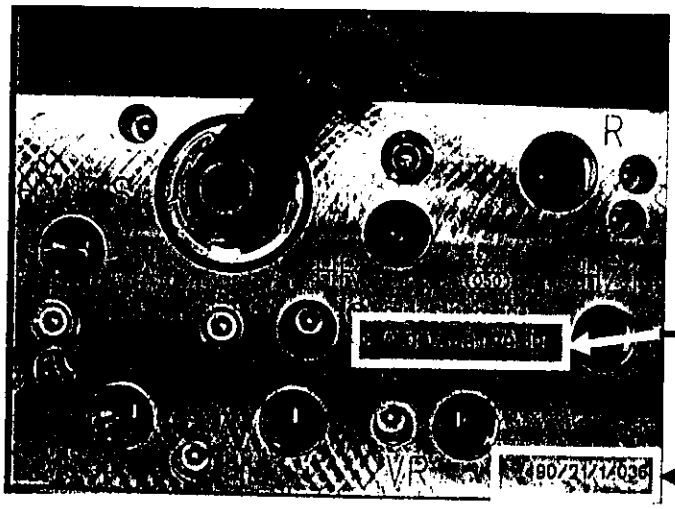
Brief instructions



General information:

ALL operations must be billed using the accounting number listed below.
The damage codes for the SBC hydraulic unit (43 102) and the SBC control unit (53 584) may not be used under any circumstances.

Risk of injury caused body parts becoming caught or crushed, risk of injury to skin and eyes caused by brake fluid escaping under high pressure when working on the SBC brake system.
Risk of poisoning caused by swallowing brake fluid.
Only fill brake fluid in suitable and appropriately labeled containers. Wear protective clothing and safety glasses when working with brake fluid.



Table

DC number	Production number	
	from	to
A 005 431 68 12	392/09/1/0496	392/12/1/0641
A 005 431 05 12	391/24/1/0680	481/08/1/0290
A 004 431 82 12	392/10/1/0244	392/18/1/1198
A 005 431 06 12	392/01/1/1152	481/08/1/0165
A 004 431 83 12	392/08/1/0525	392/08/1/0534

Check/test procedure A:

Check if the DC number is listed in table.

If ***"Yes"***, perform check/test procedure B.
If ***"No"***, measure finished.

Check/test procedure B:

In the table, check in the respective line of the DC number to see if the production number is in the listed ***consecutive*** number range.
(e.g.: for DC number A 005 431 68 12
Production number: 392/08/1/0500 - the number is not within the number range - measure finished.
Production number: 392/11/1/0700 - the number is within the number range (carry out work procedure).

The production number is to be viewed as a consecutive number without slashes!

If "*Yes*", carry out work procedure.
If ***"No"***, measure finished.

Work procedure:

1. Remove SBC hydraulic unit as per AR42.46-P-0010R.

Carry out the following steps prior to installing the new hydraulic unit:

2. Check whether a pulsation damper is installed (see Figure 1).

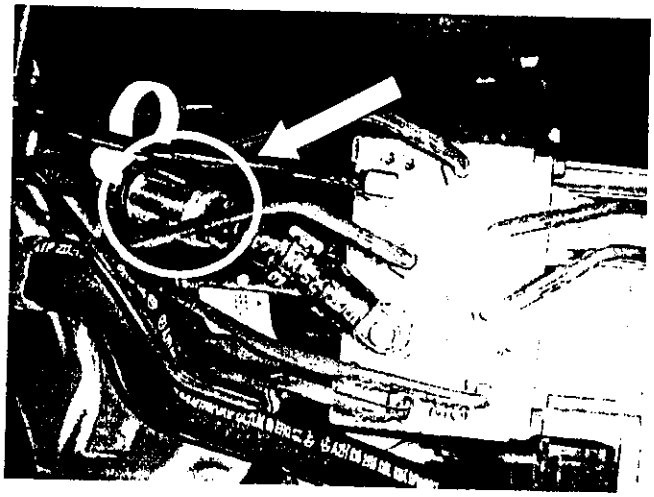


Figure 1 – Pulsation damper

a. No pulsation damper installed - use suction hose without double pulsation damper.
b. Pulsation damper installed - use suction hose with double pulsation damper.

Note: Single pulsation damper is replaced with a double pulsation damper.

3. Completely replace suction hose (A) (see Figure 2). To do this:

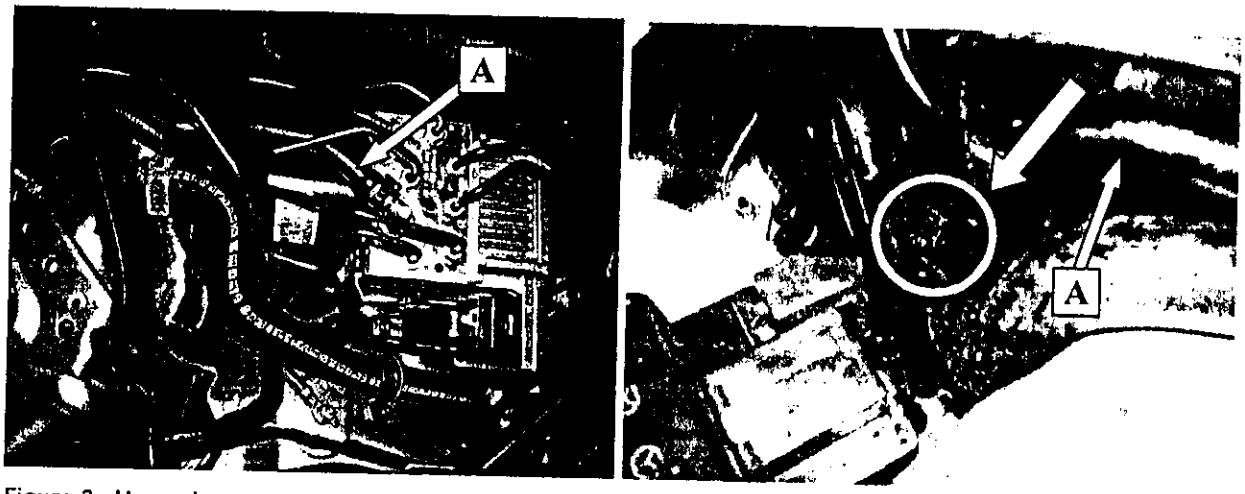


Figure 2 - Hose clamp at transition of suction hose to suction line

a. Loosen hose clamp at transition of suction hose to suction line (see Figure 2).
b. Carefully detach suction hose from the suction line.
   Use a plastic wedge (e.g.: W 110 589 03 59 00) to detach the suction hose from the suction line.

Note: Do **not** use a screwdriver or similar sharp-edge tools to detach the suction hose from the suction line, as the vehicle mounted suction line will be damaged and the SBC brake system may no longer function properly.

Note: In order to prevent brake fluid from escaping and contaminants from entering the system, the suction hose and the suction line must both be sealed with a suitable plug from plug stop set W129 589 00 91 00.
The detached suction hose no longer is needed.

4. Slide the new suction hose onto the vehicle mounted suction line and secure using new hose clamp.

Note: Ensure that you use the **new** hose clamp!

5. Detach the SBC hydraulic unit ground line at the threaded bolt (Figure 3).

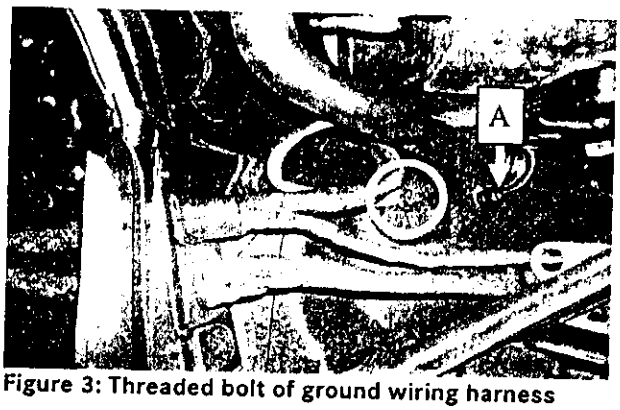


Figure 3: Threaded bolt of ground wiring harness

6. Remove cable tie at transition of SBC connector housing to SBC wiring harness (Figure 4).

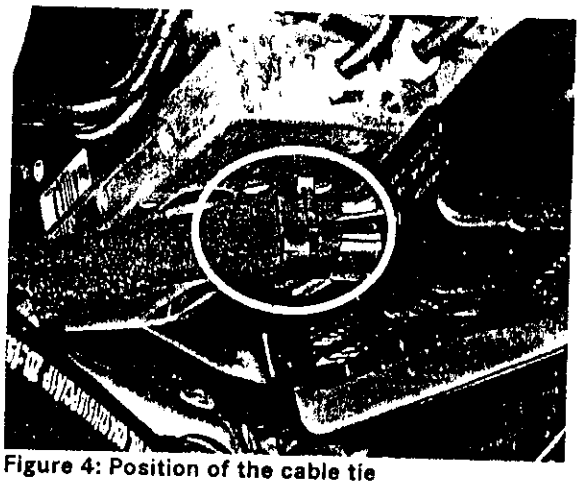


Figure 4: Position of the cable tie

7. Remove adhesive fabric tape on wiring harness up to the next rubber grommet (Figure 5).

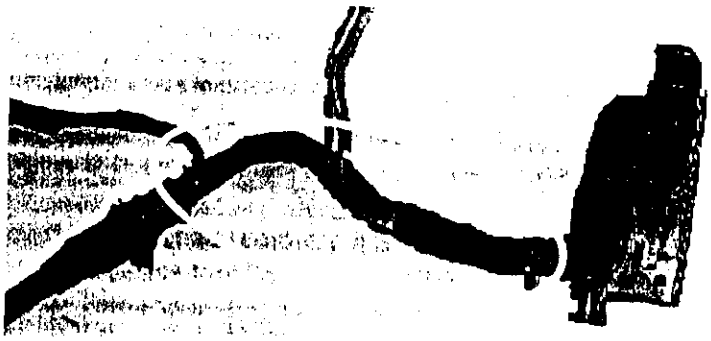


Figure 5: Removing adhesive fabric tape

8. Remove SBC connector housing cap.

Note: There are two different versions (Figure 6)
First carefully lift the plastic clip on the one side until the cap disengages. Then repeat this process on the other side.
The cap now can be removed.

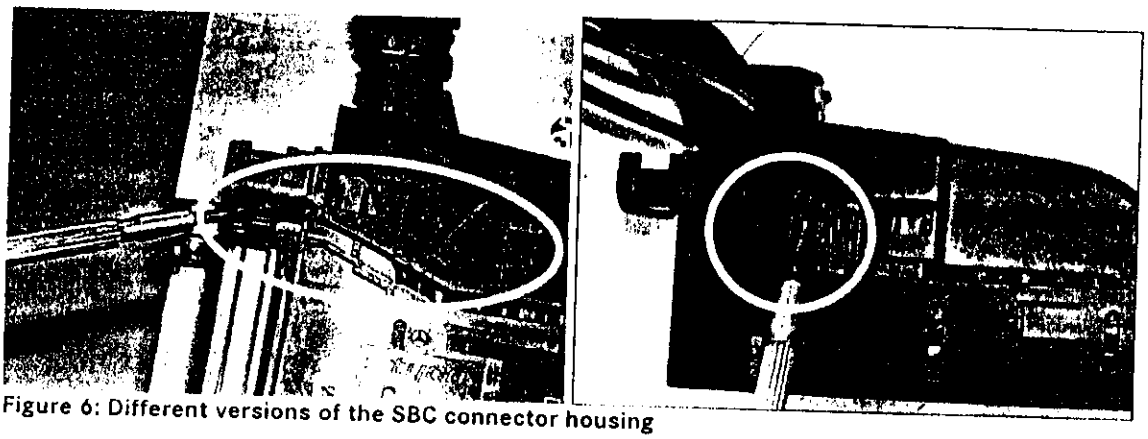


Figure 6: Different versions of the SBC connector housing

9. Check which SBC connector housing version is installed (Figure 7).

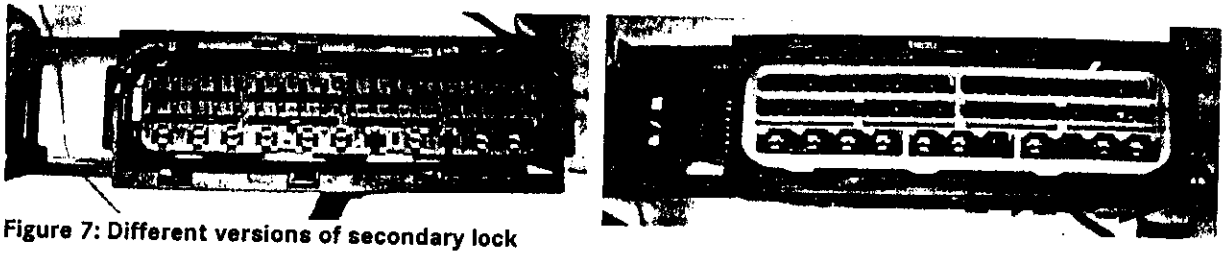


Figure 7: Different versions of secondary lock

10. Open gray secondary lock in the SBC connector housing.
    To do this, slide the secondary lock in the direction indicated by the arrow using a small screwdriver (Figure 8).

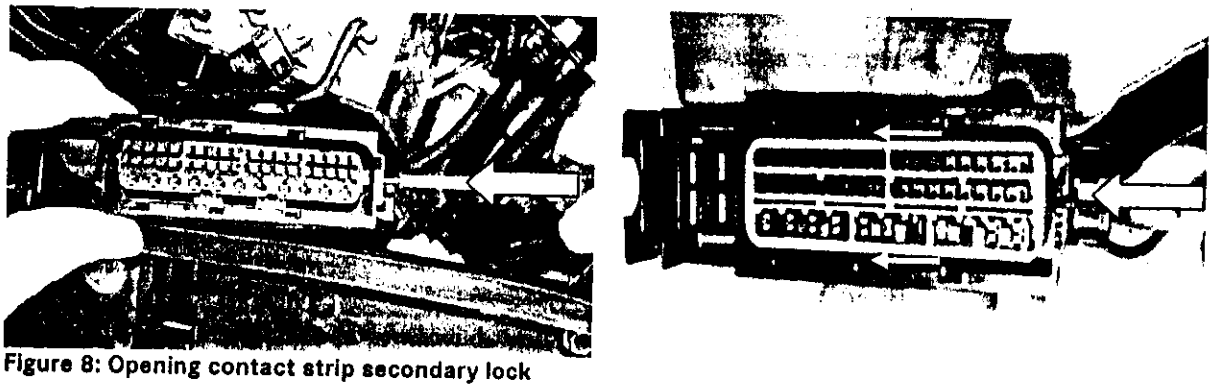


Figure 8: Opening contact strip secondary lock

11. Be sure to remove pin 37 and pin 44 (Figure 9) from the SBC connector housing using cable release tool (W 000 589 13 99 30 and W 220 589 01 99 50), as the SBC connector housing otherwise can be damaged.
    The removed ground wiring harness no longer is needed.

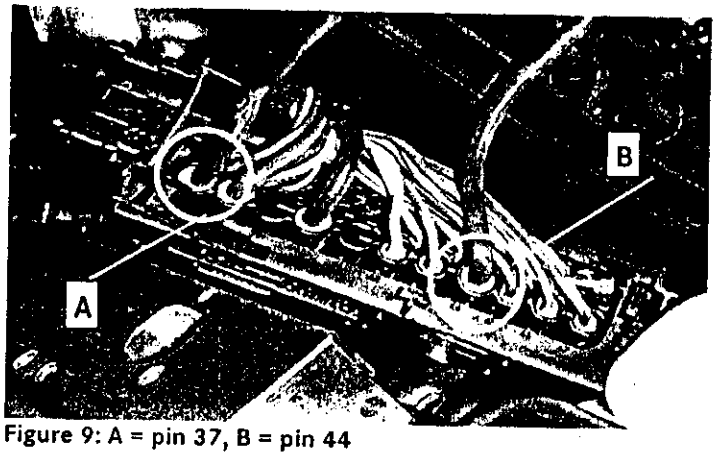


Figure 9: A = pin 37, B = pin 44

12. Insert the new ground wiring harness into the SBC connector housing and **properly** lock into place.

Note: Ensure that the longer ground line of the ground wiring harness is inserted into plug position 44 and that the shorter ground line is inserted into plug position 37.

13. Close the gray contact strip secondary lock of the SBC connector housing. To do this, slide the gray secondary lock in the direction indicated by the arrow using a small screwdriver (Figure 10).

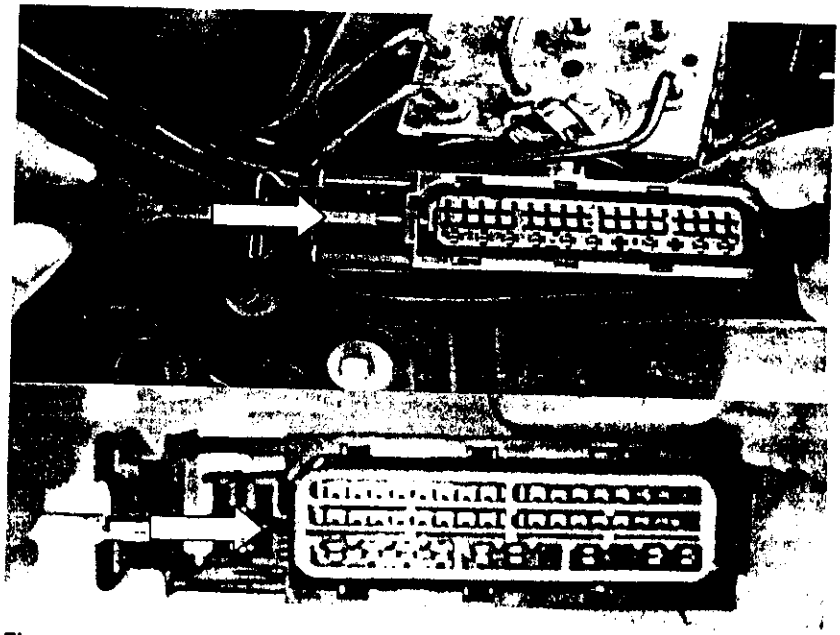


Figure 10: Closing the secondary lock

14. **Very loosely** wrap the exposed cable of the SBC wiring harness **excluding** the ground wiring harness lines using adhesive fabric tape (Figure 11). Do not wrap more than 2 layers deep.

Note: The lines of the ground wiring harness must be routed outside the wrapped cable set (Figure 11).

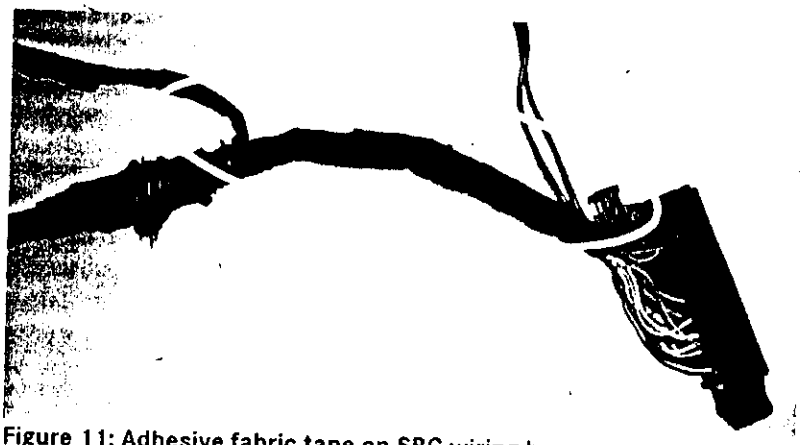


Figure 11: Adhesive fabric tape on SBC wiring harness

15. Install the SBC connector housing cap in the reverse order as described in step 8.

16. Affix the SBC wiring harness **without** the ground wiring harness lines to the SBC connector housing cap using a new cable tie (see Figure 12).

Note: Ensure that the SBC wiring harness is routed free of tension in the SBC connector housing. The cable tie "lock" **must be located outside on the housing of the connector.**

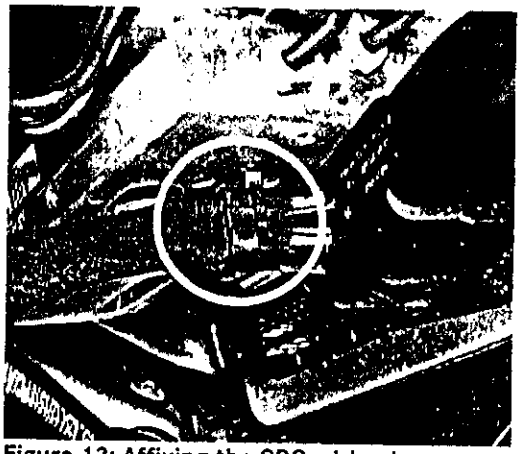


Figure 12: Affixing the SBC wiring harness to the cap of the SBC connector housing

17. **New affixing** of the SBC wiring harness in the guide grommet

a. Remove rubber seal and take SBC wiring harness out of the guide grommet (Figure 13).

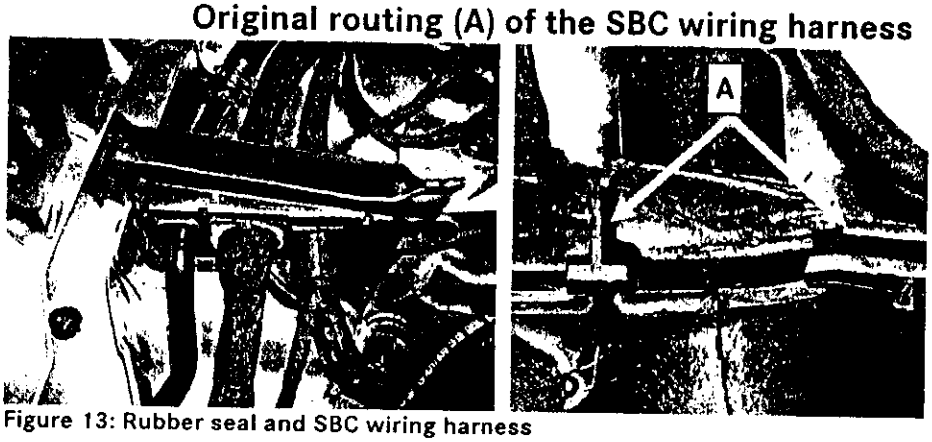


Figure 13: Rubber seal and SBC wiring harness

b. Reposition SBC wiring harness towards the front so that routing can be modified (Figure 14).

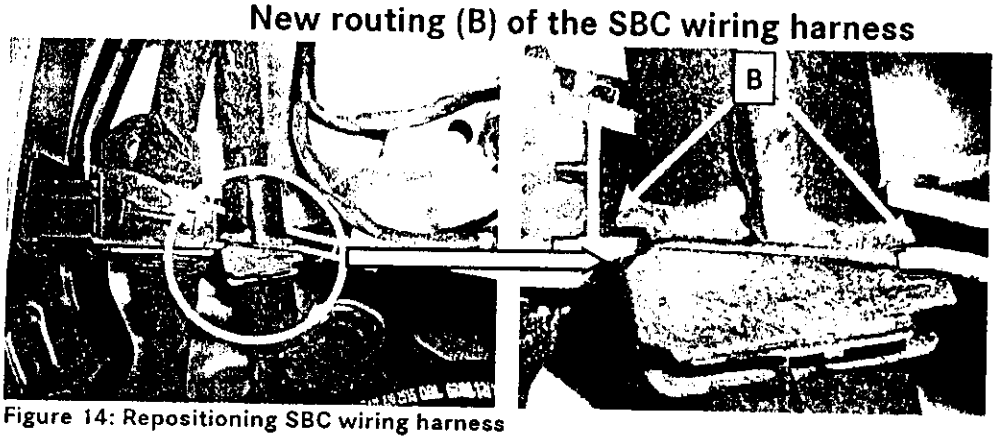


Figure 14: Repositioning SBC wiring harness

c. **Only veh. with code RHD (right-hand drive vehicle)**
If the cable length for tension-free displacement of the SBC wiring harness is insufficient, loosen the cable tie (arrow) by the ground point, remove the SAM cover, lift the SBC wiring harness and displace feed-through grommet approx. 10 mm toward the SAM housing and displace wiring harness out of the SAM housing by lightly pulling in the direction of the SBC hydraulic unit.

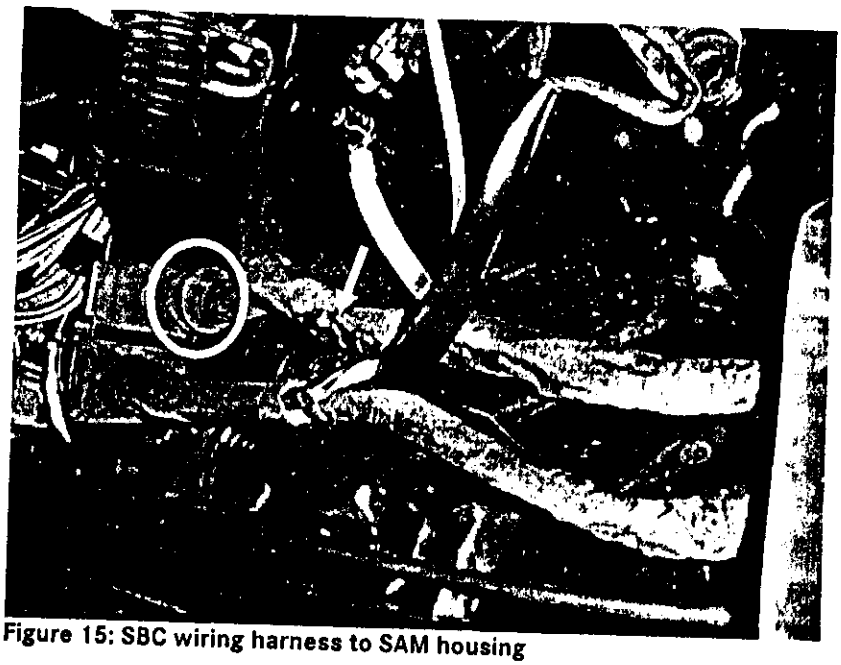


Figure 15: SBC wiring harness to SAM housing

d. Mount SBC wiring harness with new routing bracket (Figure 16)

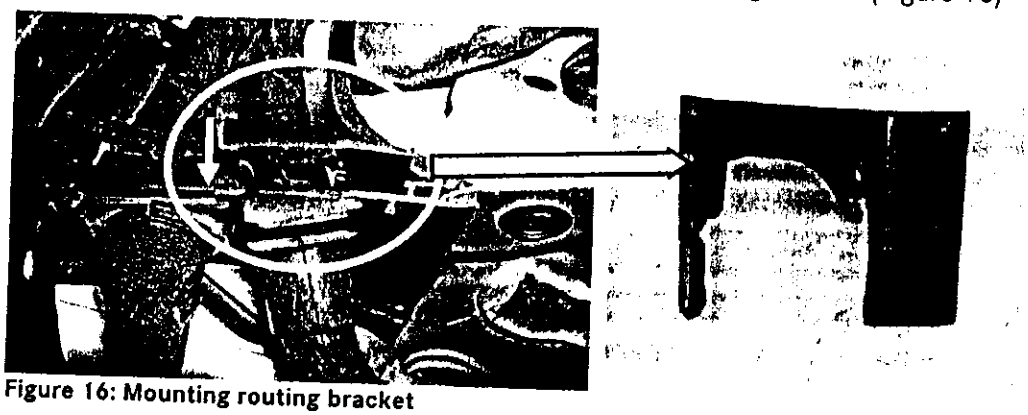


Figure 16: Mounting routing bracket

e. Mount rubber seal (Figure 17).

Figure 17: Mounting rubber seal

18. Mount ground wiring harness parallel to the vehicle longitudinal axis (X-axis) on the threaded bolt of the body. Tighten the M6 nut using the prescribed tightening torque of 10 Nm.

Note: The position of the cable lug must be maintained as shown in Figure 18 (A). Chafing marks are to be avoided!
Avoid contact with the water hose! (B)

**This threaded bolt must be used for securing the SBC ground line only!
No other ground lines of any kind may be connected!**

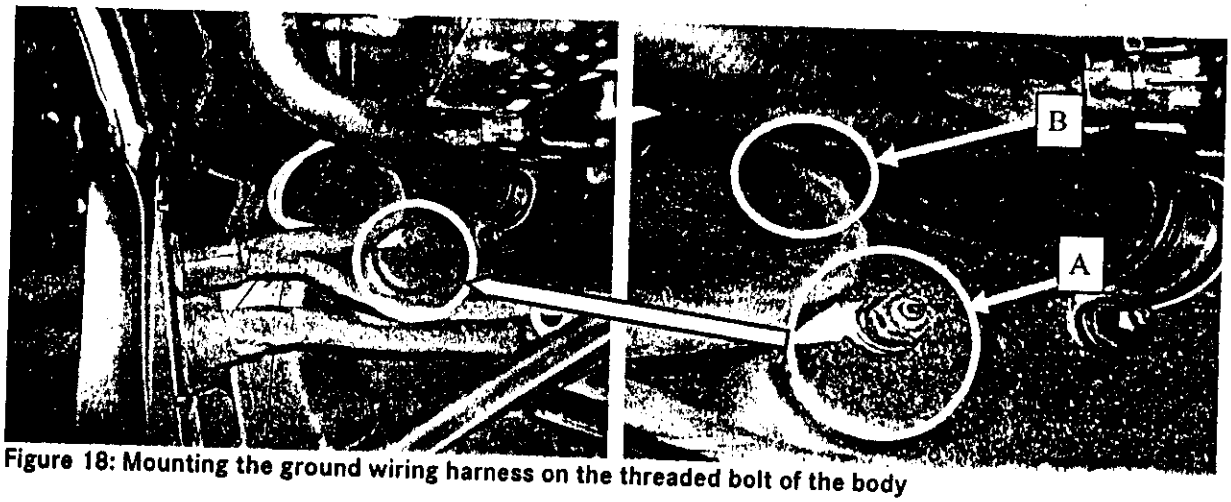


Figure 18: Mounting the ground wiring harness on the threaded bolt of the body

19. Attach bracket with self-tapping screw to the SBC hydraulic unit (Figure 19). In order to prevent the self-tapping screw from snapping off, the screw must be positioned **absolutely straight** and tightened with the prescribed torque of 7 Nm.

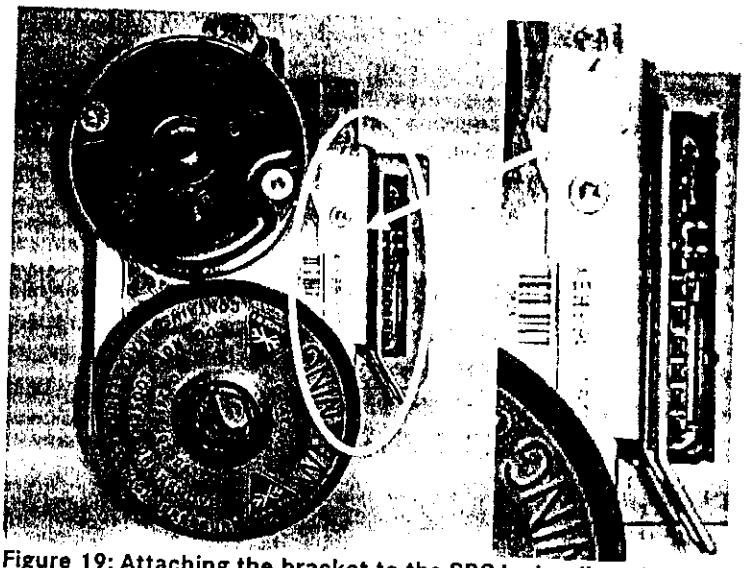


Figure 19: Attaching the bracket to the SBC hydraulic unit

20. Install SBC hydraulic unit as per AR42.46-P-0010R.

21. Check the leaktightness of the intake duct connecting points.

Note: Even the smallest drops indicate leakage! The maximum fill pressure of the filling unit (2.5 - 3.0 bar) must be applied for at least five minutes. Then check the entire suction line for visible leaks, particularly at the transition points.

22. Check the software release of the SBC using DAS and update if necessary. DAS menu: "Control units - Chassis – SBC - Sensotronic Brake Control – Control unit adaptations" **Ensure that you follow the instructions in DAS!**

23. Connect ground wiring harness at height of bracket to cable set using two-layer adhesive fabric tape.

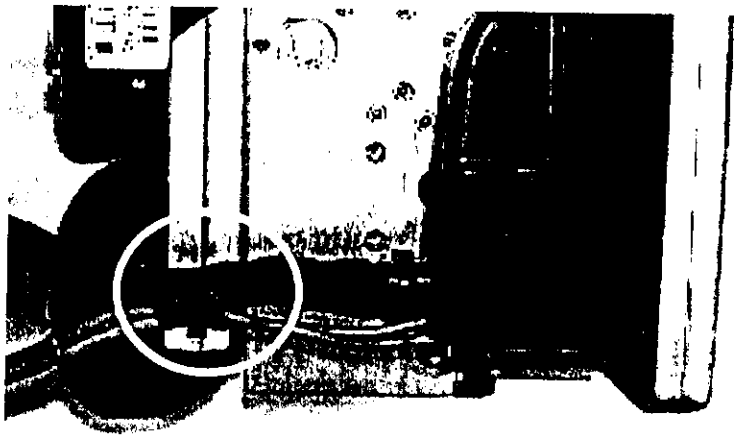
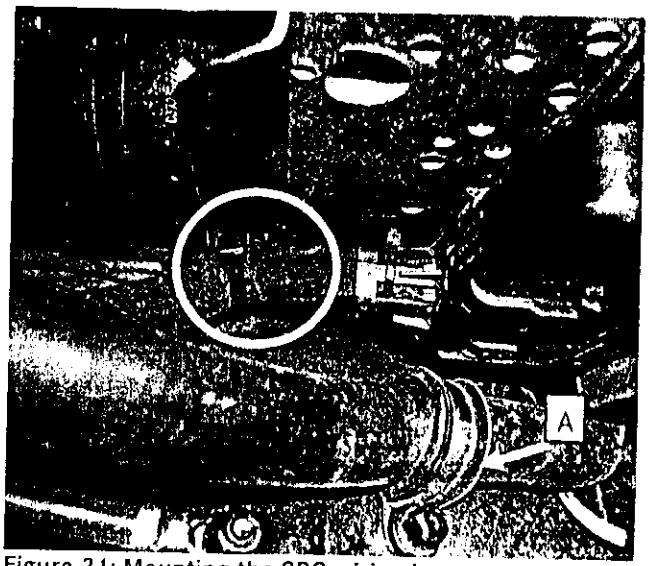


Figure 20: Attaching ground lines of ground wiring harness to cable set

24. Affix ground wiring harness and SBC wiring harness (free of tension) with a cable tie to the bracket using a cable tie pliers (W 352 589 02 37 00) with a tightening torque of 150 N to 170 N (Panduit adjustment level HVY 5 or Hellermann adjustment level STD 3) (Figure 21). The lock of the cable tie must touch the bracket.

Note: When mounting the SBC wiring harness to the bracket, ensure that the SBC wiring harness touches the bracket and is fixed there free of tension.
After the SBC wiring harness is attached, it must no longer be possible to move it in the longitudinal direction toward the bracket!



Mount SBC wiring harness with a cable tie (free of tension) to the bracket using cable tie pliers with a tightening torque of 150 N to 170 N (Panduit adjustment level HVY 5 or Hellermann adjustment level STD 3).

Figure 21: Mounting the SBC wiring harness to bracket of SBC hydraulic unit

Parts

Quantity	Designation	Part no.
As req.	Suction hose, LHD without double pulsation damper	A 211 420 90 26 /05
As req.	Suction hose, RHD without double pulsation damper	A 211 428 04 35 /05
As req.	Suction hose, LHD with double pulsation damper	A 211 420 88 26 /05
As req.	Suction hose, RHD with double pulsation damper	A 211 420 72 26 /05
2	Hose clamp	A 005 997 19 90
As req.	Veh. with code 803, without code 053: SBC hydraulic unit (32 MHz)	A 005 431 71 12/05
As req.	Veh. with code 803 and code 053 Veh. with code 804: SBC hydraulic unit (40 MHz)	A 005 431 79 12/05
1	Ground wiring harness	A 211 440 35 08/05
As req.	Cable tie	A 001 997 83 90 (Packaging unit: 100)
1	Routing bracket	A 211 546 74 43
1	Bracket (hydraulic unit)	A 211 545 00 47/05
1	Screw (self-tapping)	A 000 990 36 11
As req.	Adhesive fabric tape	A 006 989 84 85 / 10
2.25 l	Brake fluid (observe container size)	A 000 989 08 07 xx 17 = (0.75 l)/18 = (5 l)/19 = (30 l)

Operation text and flat rate

Operation no.	Operation text	Flat rate	Accounting no.
02-4821	Check number range on hydraulic unit	0.1 hrs.	43 911 01
02-4762	Disconnect and connect Diagnosis Assistance System (DAS)	0.2 hrs.	43 911 01
02-4822	Replace SBC hydraulic unit (DAS connected)	2.8 hrs.	43 911 01
02-4822	Replace SBC hydraulic unit (DAS connected), model 211 076	2.9 hrs.	43 911 01
02-4831	Mount ground line and SBC wiring harness bracket (hydraulic unit removed)	0.3 hrs.	43 911 01
02-4888	Displace SBC wiring harness at SAM housing (DAS connected), RHD	0.1 hrs.	43 911 01
02-4886	Install software (DAS connected)	0.4 hrs.	43 911 01

Special tools

Quantity	Designation	Part no.
1	Mounting wedge	W 110 589 03 59 00
1	Plug stop set	W 129 589 00 91 00
1	Blade - 4-559	W 000 589 13 99 30
1	Handle 966	W 220 589 01 99 50
1	Pliers	W 352 589 02 37 00

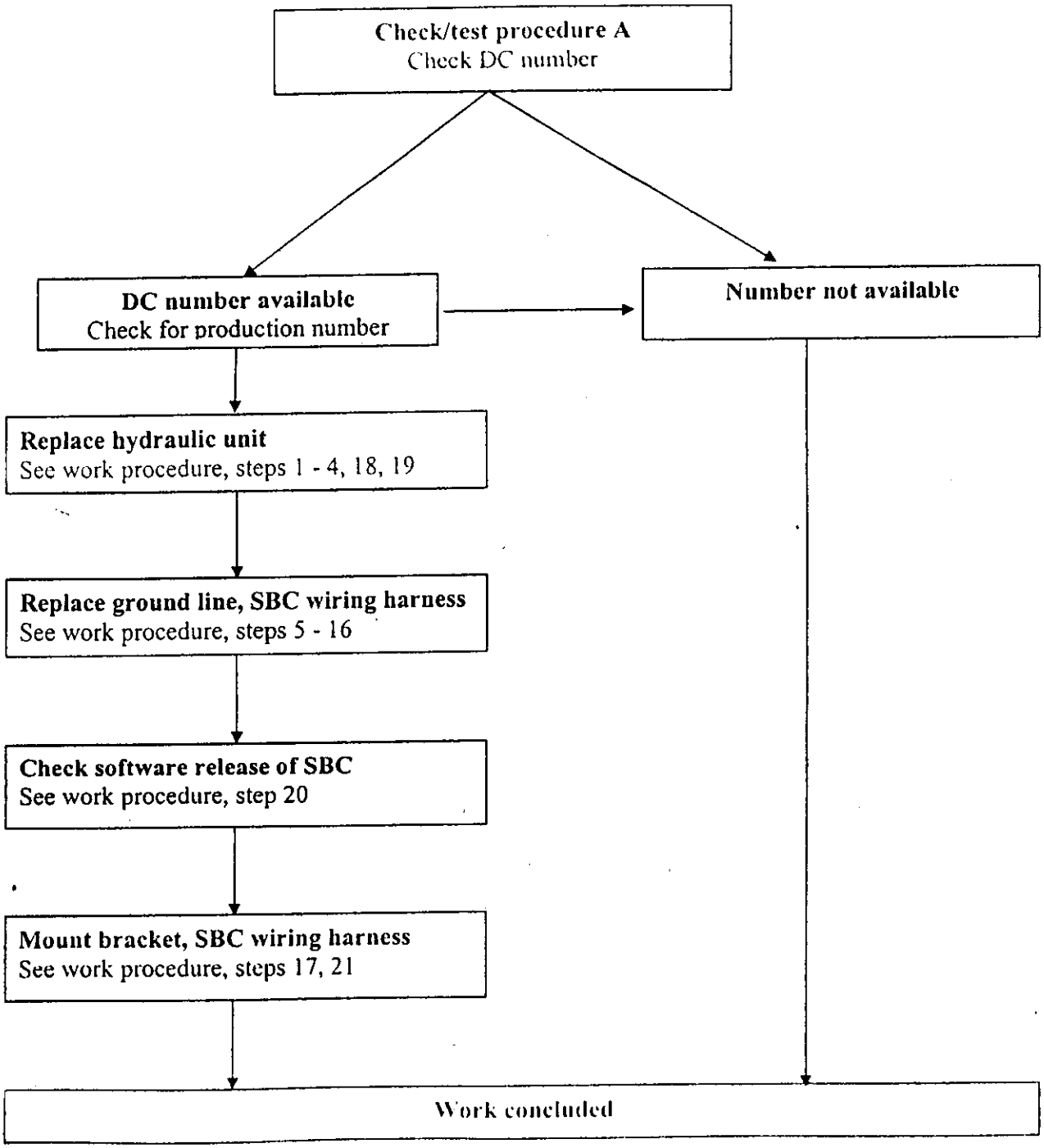
SERVICE MEASURE WORK DESCRIPTION

Code: 0502P43A22

Version 3.6

Check SBC hydraulic unit and replace if necessary
Model 230

Brief instructions

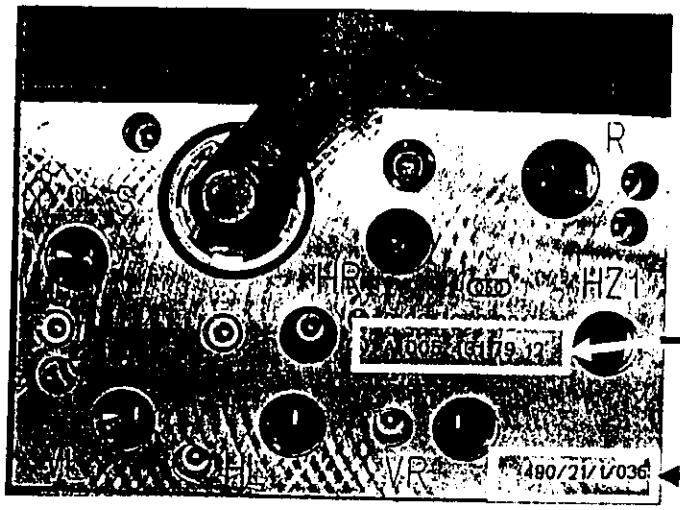


General information

ALL operations must be billed using the accounting number listed below.
The damage codes for the SBC hydraulic unit (43 102) and the SBC control unit (53 584) may not be used under any circumstances.

Risk of injury caused body parts becoming caught or crushed, risk of injury to skin and eyes caused by brake fluid escaping under high pressure when working on the SBC brake system.
Risk of poisoning caused by swallowing brake fluid.
Only fill brake fluid in suitable and appropriately labeled containers. Wear protective clothing and safety glasses when working with brake fluid.

Check/test procedure:



Check/test proc. A (DC number)

Check/test proc. B (production number)

Table

DC number	Production number	
	from	to
A 005 431 68 12	392/09/1/0496	392/12/1/0641
A 005 431 05 12	391/24/1/0680	481/08/1/0290
A 004 431 82 12	392/10/1/0244	392/18/1/1198
A 005 431 06 12	392/01/1/1152	481/08/1/0165
A 004 431 83 12	392/08/1/0525	392/08/1/0534

Check/test procedure A:

Check if the DC number is listed in table.

If ***"Yes"***, perform check/test procedure B.
If ***"No"***, measure finished.

Check/test procedure B:

In the table, check if the production number is within the listed ***consecutive*** number range for the relevant DC number.
(e.g.: for DC number A 005 431 68 12
Production number: 392/08/1/0500 - the number is not within the number range - measure finished.
Production number: 392/11/1/0700 - the number is within the number range (carry out work procedure).

The production number is to be viewed as a consecutive number without slashes!

If "***Yes***", carry out work procedure.
If ***"No"***, measure finished.

Work procedure:

1. Replace SBC hydraulic unit as per AR42.46-P-0010R.

Carry out the following steps prior to installing the new hydraulic unit:

2. Completely replace suction hose (A) (see Figure 1). To do this:

Figure 1: Hose clamps at hydraulic unit and at transition of suction hose to suction line

a. Loosen hose clamp at transition of suction hose to suction line (see Figure 1).
b. Carefully detach suction hose from the suction line.

Use a plastic wedge (e.g.: W 110 589 03 59 00) to detach the suction hose from the suction line.

Note: Do **not** use a screwdriver or similar sharp-edge tools to detach the suction hose from the suction line, as the vehicle mounted suction line will be damaged and the SBC brake system may no longer function trouble-free.

Note: In order to prevent brake fluid from escaping as well as contamination entry, the suction hose and the suction line each must be sealed with a suitable plug from plug stop set W129 589 00 91 00.
The detached suction hose no longer is needed.

3. Prior to installing the new suction hose, check dimension X and adjust if necessary; move the "K" attachment clip to do this (see Figure 2). Dimension X must measure exactly 20 cm.

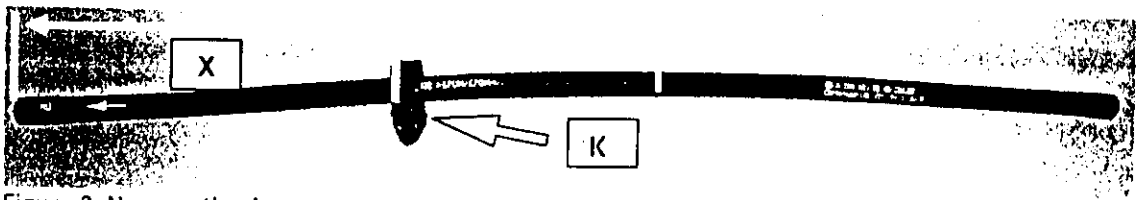


Figure 2: New suction hose

4. Connect the end of the suction hose **not** labeled "HU" to the vehicle mounted suction line and secure using new hose clamp.

Note: Ensure that you use a **new** hose clamp and a **new** cable clamp!

5. Detach the SBC hydraulic unit ground line at the threaded stud (see Figure 3).

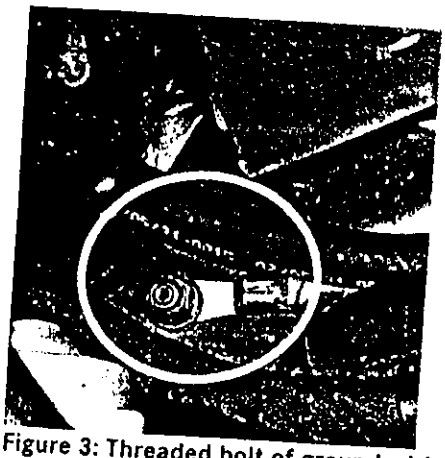


Figure 3: Threaded bolt of ground wiring harness

6. Remove cable tie at transition of SBC connector housing to wiring harness (see Figure 4).

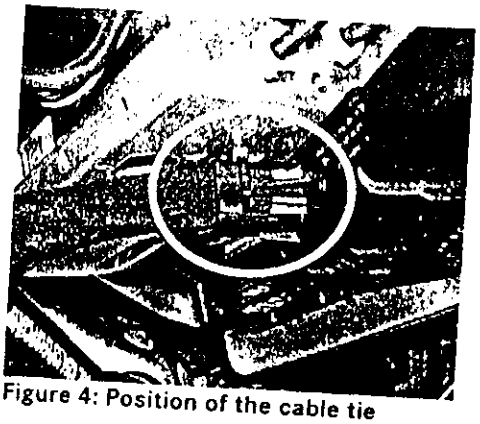


Figure 4: Position of the cable tie

7. Remove SBC connector housing cap.

Note: There are two different versions (Figure 5).
First carefully lift the plastic clip on the one side until the cap disengages. Then repeat this process on the other side.
The cap now can be removed.

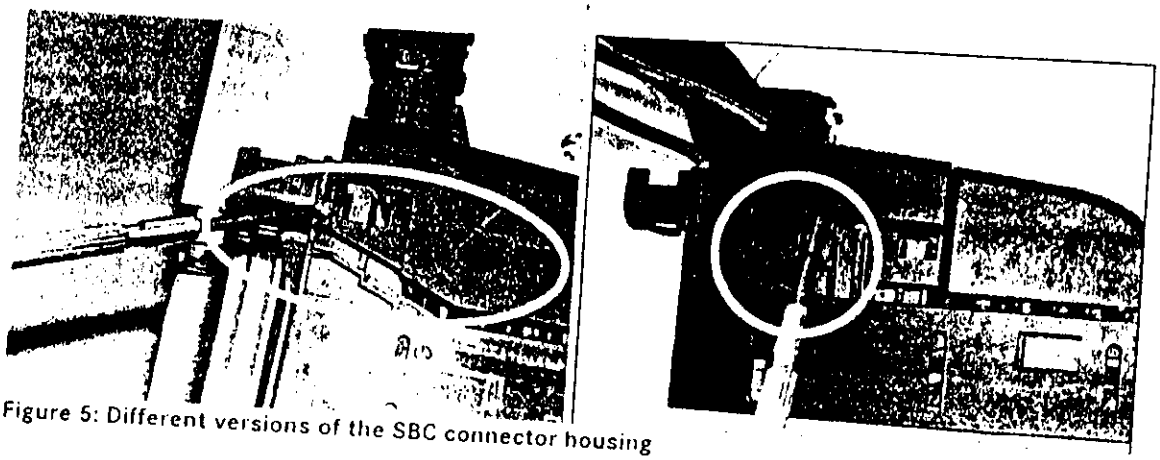


Figure 5: Different versions of the SBC connector housing

8. Remove cable ties from both ground lines at the SBC connector housing.

9. Check which SBC connector housing version is installed.
(Figure 6)

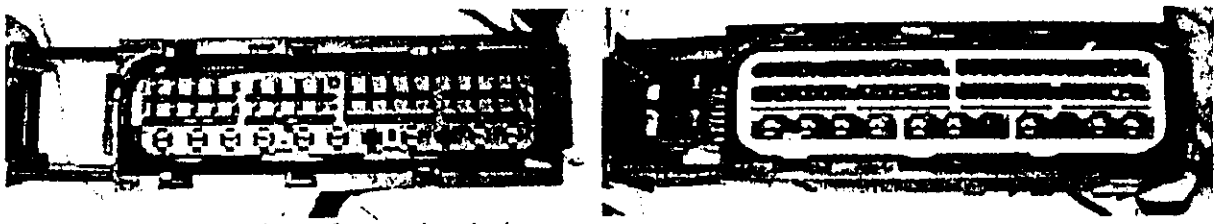


Figure 6: Different versions of secondary lock

10. Open gray secondary lock in the SBC connector housing.
To do this, slide the secondary lock in the direction indicated by the arrow using a small screwdriver (Figure 7).

Figure 7: Opening contact strip secondary lock

11. Be sure to remove pin 37 and pin 44 (Figure 8) from the SBC connector housing using cable release tool (W 000 589 13 99 30 and W 220 589 01 99 50), as the SBC connector housing otherwise can be damaged.
The removed ground wiring harness no longer is needed.

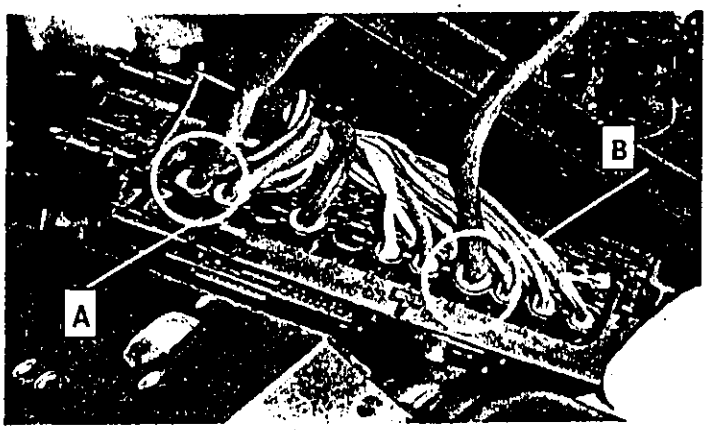


Figure 8: A = pin 37, B = pin 44

12. Insert the new ground wiring harness into the SBC connector housing and **properly** lock into place.

Note: Ensure that the longer ground line of the ground wiring harness is inserted into plug position 44 and that the shorter ground line is inserted into plug position 37.

13. Close the gray contact strip secondary lock of the SBC connector housing. To do this, slide the gray secondary lock in the direction indicated by the arrow using a small screwdriver (Figure 9).

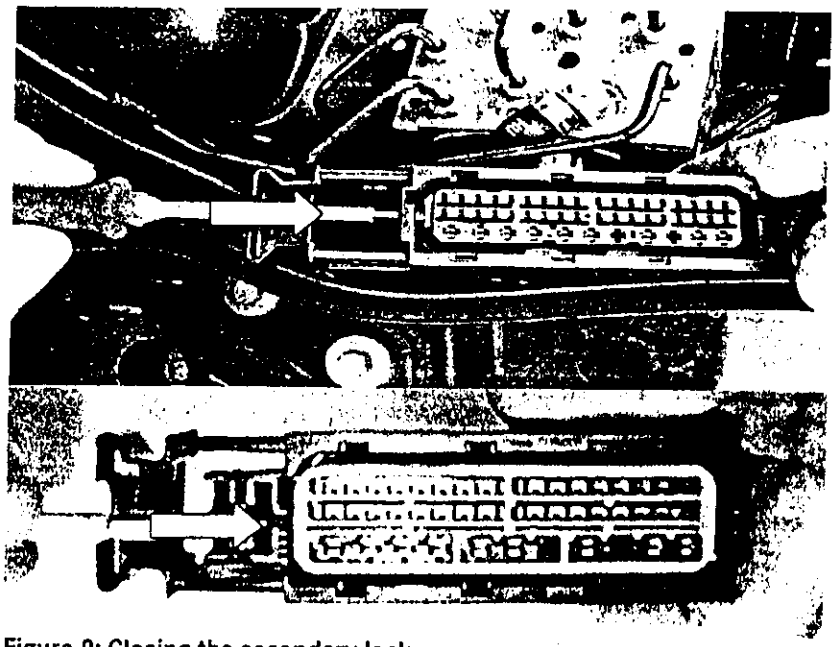


Figure 9: Closing the secondary lock

14. Install the SBC connector housing cap in the reverse order as described in step 7.

15. Affix SBC wiring harness (A) without ground lines to the cap of the SBC connector housing using a new cable tie and affix ground wiring harness (B) to the SBC connector housing using a new cable tie (see Figure 10).

Note: Ensure that the SBC wiring harness is affixed free of tension in the SBC connector housing. The cable tie "lock" must be located at the side of the SBC wiring harness.

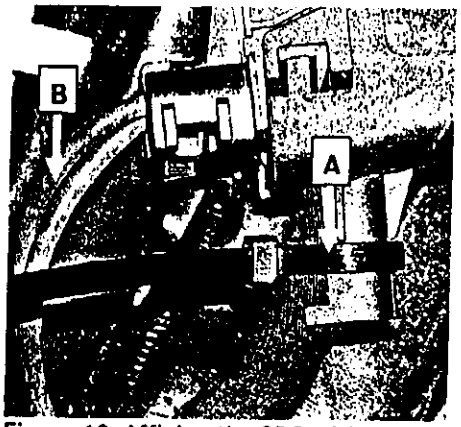


Figure 10: Affixing the SBC wiring harness to the cap of the SBC connector housing

16. Attach the ground wiring harness to the threaded stud on the body. Tighten the M6 nut using the prescribed tightening torque of 10 Nm.

Note: The ground lines must be routed **under** the SBC suction hose! The position of the cable lug is to be maintained as shown in Figure 11.

This threaded stud must be used for securing the SBC ground line only! No other ground lines of any kind may be connected!

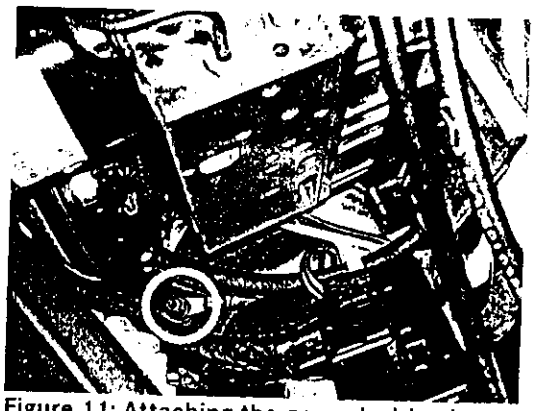


Figure 11: Attaching the ground wiring harness to the threaded stud of the body

17. Attach bracket with self-tapping hexagon bolt to the SBC hydraulic unit (see Figure 12). In order to avoid the self-tapping screw from snapping off, the screw must be positioned **absolutely straight** and tightened with the prescribed torque of 7 Nm!

Note: When mounting the bracket with the SBC hydraulic unit uninstalled, the latter must not be clamped in a vise under any circumstances!

Figure 12: Attaching the bracket to the SBC hydraulic unit

18. Install SBC hydraulic unit as per AR42.46-P-0010R.

19. Check the leaktightness of the intake duct connecting points.

Note: Even the smallest drops indicate leakage! The maximum fill pressure of the filling unit (2.5 - 3.0 bar) must be applied for at least five minutes. Then check the entire suction line for visible leaks, particularly at the transition points.

20. Check the software release of the SBC using DAS and update if necessary. DAS menu: "Control units - Chassis - SBC - Sensotronic Brake Control - Control unit adaptations" **Ensure that you follow the instructions in DAS!**

21. Affix SBC wiring harness (free of tension) with a cable tie to the bracket using a cable tie pliers (W 352 589 02 37 00) with a tightening torque of 150 N to 170 N (Panduit adjustment level HVY 5 or Hellermann adjustment level STD 3) (Figure 13). The lock of the cable tie must touch the bracket.

Note: When attaching the SBC wiring harness to the bracket, ensure that the SBC wiring harness touches the bracket and is affixed there free of tension.
After the SBC wiring harness is attached, it must no longer be possible to move it in the longitudinal direction toward the bracket!

Mount SBC wiring harness with a cable tie (free of tension) to the bracket using cable tie pliers with a tightening torque of 150 N to 170 N (Panduit adjustment level HVY 5 or Hellermann adjustment level STD 3).

Figure 13: Mounting the SBC wiring harness to bracket of SBC hydraulic unit

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 attachment clip)	A 000 995 52 44
As req.	Veh. with code 802 or Veh. with code 803, without code 053: SBC hydraulic unit (32 MHz)	A 005 431 71 12/05
As req.	Veh. with code 803 and code 053: Veh. with code 804: SBC hydraulic unit (40 MHz)	A 005 431 79 12/05
1	Ground wiring harness	A 230 540 92 10 /05
3	Cable tie	A 001 997 83 90 (packaging unit: 100 pcs.)
1	Bracket	A 230 545 00 47/05
1	Screw (self-tapping)	N 007 516 00 51 06
2.25 l	Brake fluid (observe container size)	A 000 989 08 07 xx 17 = (0.75 l)/18 = (5 l)/19 = (30 l)

Operation text and flat rate

Operation no.	Operation text	Flat rate	Accounting no.
02-4821	Check number range on hydraulic unit	0.1 hrs.	43 911 01
02-4762	Disconnect and connect Diagnosis Assistance System (DAS)	0.2 hrs.	43 911 01
02-4822	Replace SBC hydraulic unit (DAS connected)	3.3 hrs.	43 911 01
02-4822	Replace SBC hydraulic unit (DAS connected) Models 230, 474, 476 and 479	3.4 hrs.	43 911 01
02-4831	Mount ground line and bracket to SBC wiring harness (SBC hydraulic unit removed)	0.3 hrs.	43 911 01
02-4886	Install software (DAS connected)	0.4 hrs.	43 911 01

Special tools

Quantity	Designation	Part no.
1	Mounting wedge	W 110 589 03 59 00
1	Plug stop set	W 129 589 00 91 00
1	Blade	W 000 589 13 99 30
1	Handle	W 220 589 01 99 50
1	Pliers	W 352 589 02 37 00