

Dhany / Sanyal
PI go through and
carry out seal
measure at the earliest
deadline is 28/10/04
21/10/04

DAIMLERCHRYSLER

no. and VDC updated
maintained on S.M. status
report on 21/8/04
list prepared
costs of car
customers and
show it to me
chassis was
here with
attach
21/8/04

DaimlerChrysler
 India Private Limited

Pune, August 17, 2004

All Workshop Incharge
 DC India dealerships / ASC

Customer Satisfaction Campaign – Repair both Hydropneumatic Spring Legs – Model W 220.

Dear All,

Please refer our earlier Service Information IND 32/002 dated 21st October 2003 regarding repair solution for top end leakage from Hydropneumatic Spring Legs.

In a view to avoid further Customer Complaints regarding Airmatic Suspension, we need to carryout the repairs of both hydropneumatic spring legs of all the vehicles mentioned in the attached list.

Please note that the repair solution should not be repeated for the hydropneumatic spring legs which are already repaired.

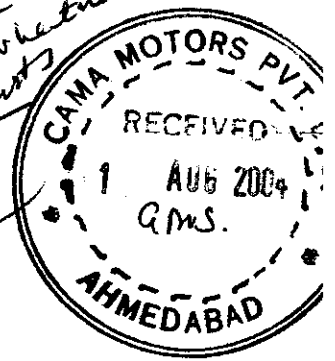
The related working procedure for checking leakage and strut repairs is enclosed herewith for your ready reference.

Parts:

The details of parts needed for repairs and the related special tool are given below:

- 1. A 013 997 70 45 - Replacement O-ring
- 2. A 220 320 25 38 - Suspension strut repair kit
- 3. A 220 589 00 61 00 - Removal / installation tool

Dhany / Sanyal
PI check
in H.S.M. whether we have
these parts
correct
21/8/04



Operation text and flat rates:

⊕ Operation text: Seal front air suspension strut (01 No.) at upper cover

Operation No. – 32940001 Flat rates – 1.7 Hrs.

Cont.....2

DaimlerChrysler India Private Limited. Registered Office, Corporate Office & Works: Sector 15-A, Chikhali Village, Pimpri, Pune 411 013 India)
 Phone: (+91) 20 7470810

Fax: Managing Director & CEO: (+91) 20 7477257, Marketing: (+91) 20 7478222, Production: (+91) 20 7478780, Finance and Controlling: (+91) 20 7476745,
 Corporate Affairs: (+91) 20 7473597, Human Resources: (+91) 20 7473618

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M. B. Sanyal
25/8/04

This tool is already available with us.
Nav
26/8

: 2 :

⊗ Operation text: Seal front air suspension strut (02 Nos.) at upper cover

Operation No. – 32940101 Flat rates – 2.7 Hrs.

Damage code – 032505047

Cost Settlement:

A warranty / goodwill claim for the cost of labour and material can be submitted through the usual warranty process channel quoting accounting no. 3250501.

Completion Deadline:

The activity is to be completed **during next visit of the vehicle** to your workshop. The target completion date for this campaign is 28th February 2005. 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.

Please advise your concerned staff accordingly and ensure availability of the above spare parts and special tool in your stock.

Please acknowledge receipt of this letter and in case of any queries, please feel free to contact us.

Thanking you,

With best regards,
DaimlerChrysler India Private Limited

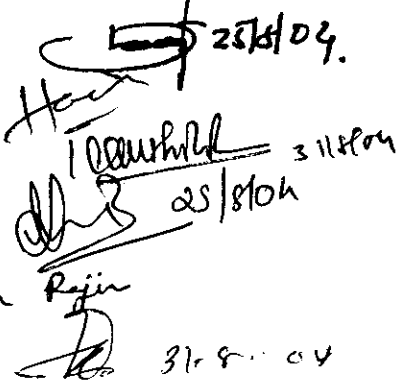

A. Faria
General Manager
Aftersales


D. Chandavarkar
Divisional Manager
Field Service

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

Encl. – As above

- 1) DHANAJIT KAMDAR
- 2) HARDIK SHAH
- 3) KAUSHIK PANCHAL
- 4) SUMISH HANBIAR
- 5) RAJIV SHAH Shah Rajiv
- 6) JASMINE PATEL.


25/1/04
1/02/04
25/1/04
31/8/04



Mercedes-Benz

Troubleshooting

Valid until WIS update 09/03



Group 32

AF32.22-P-4040AU

07.08.2003

AF32.22-P-4040AU	Leakage from air suspension strut around the sealing compound	17.7.03
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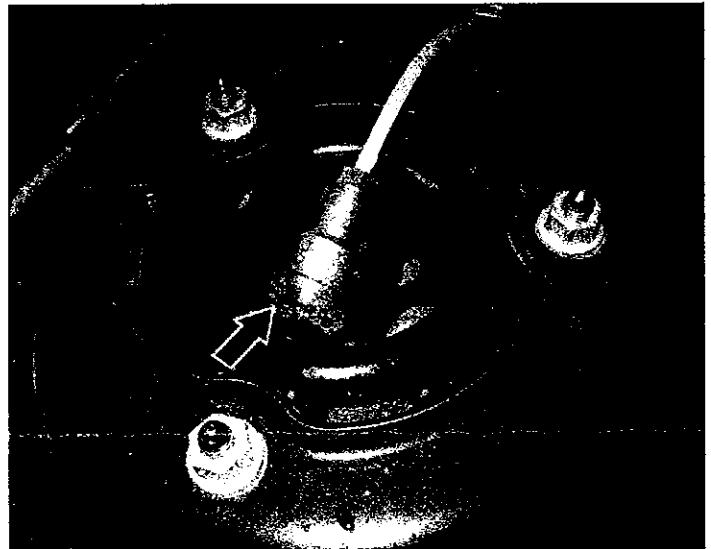
MODEL 220.### ## up to 360985 except CODE (487a) Active body control (ABC)

Operation no. of operation texts or standard texts and flat rates

Category	Op. no.	Operation text	Time	Acc. no.	Code
P	023961	Check for leakage at top of air suspension strut	004 WU	---	---
P	329400	Seal front air suspension strut (1) at upper cover (after check)	017 WU	---	---
	329401	Seal front air suspension strut (2) at upper cover (after check)	027 WU	---	---

Damage code	Cause	Remedy	
32 480 04	Encapsulated bearing of suspension strut leaking.	1 Spray soapy water around the line connection and the sealing compound.	
		2 Rock front end of vehicle. <i>i</i> If bubbles form (see picture) from around the black sealing compound: ↓	
	<i>i</i> Leakage at the encapsulated bearing usually only occurs when the vehicle is on a lifting platform with no load on the wheels and the weight of the wheels pulls the encapsulated bearing downwards. This results in a settling effect in the encapsulated bearing (rubber) that occurs primarily at hot temperatures. <i>i</i> The instrument cluster display may show the message "STOP CAR TOO LOW" and/or fault code 1517-001 (front axle at critical level) may be recorded in fault memory of the AIRmatic control unit (N51).	3 Seal encapsulated bearing. <i>i</i> Use repair kit specified in parts ordering notes. It is recommended to seal the both suspension struts (one kit per strut required). Use the O-ring specified in the parts ordering notes only if the existing O-ring was damaged during installation!	Page 3

Arrow - Bubble formation at the sealing compound



P32.22-2274-11

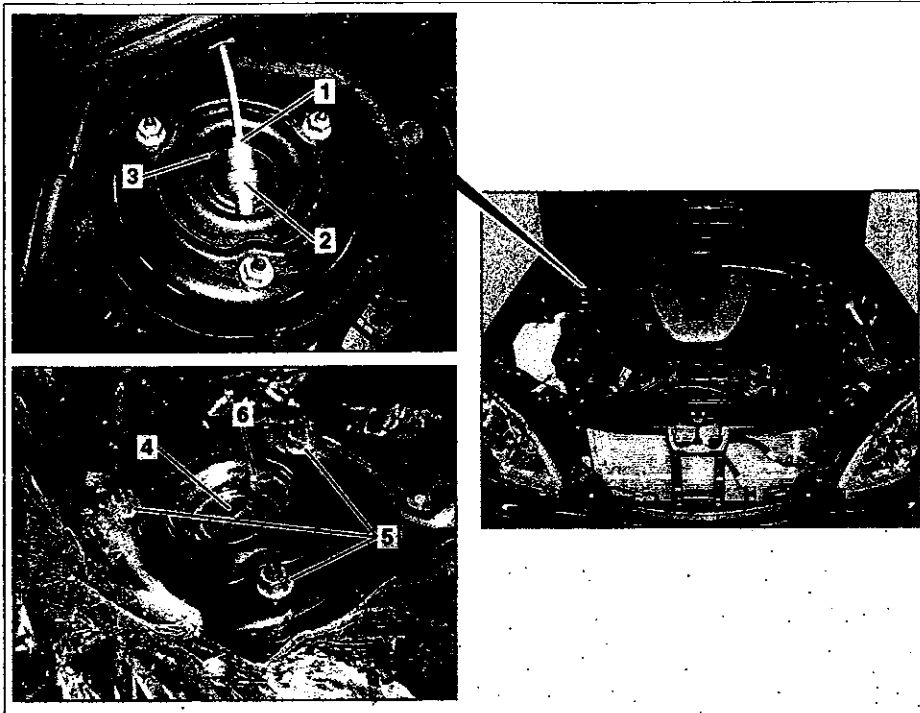
Parts ordering notes

Part no.	Designation	Quantity
A 03 3997 70 45	Replacement O-ring	as required
A 220 320 25 38	Suspension strut repair kit	1

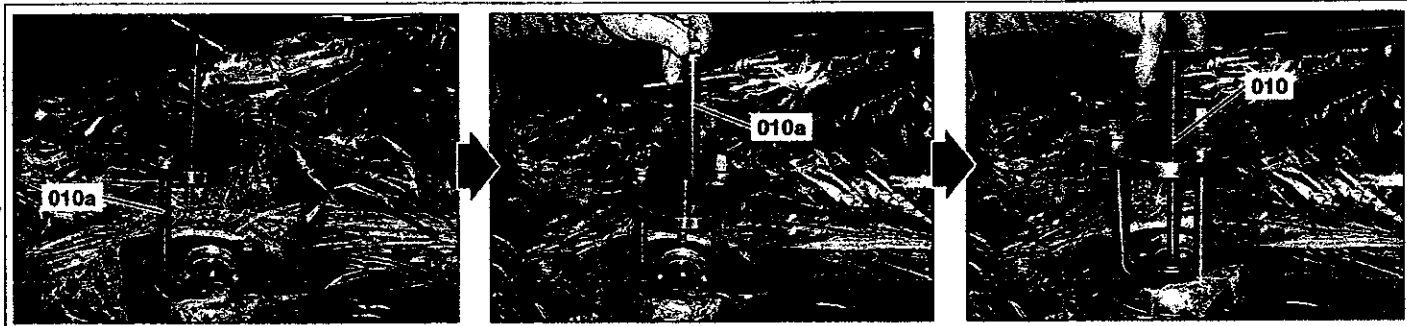
MODEL 220 except CODE (487a) Active body control (ABC)

Shown on right air suspension strut

- 1 Pressure line connection
- 2 Residual pressure retention valve
- 3 Circlip
- 4 Cover
- 5 Nuts
- 6 Bolt M8



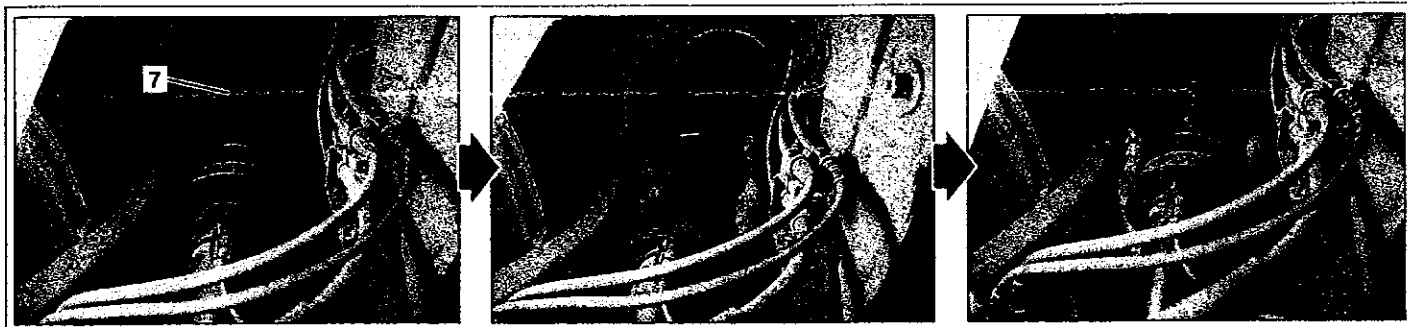
P32.22-2273-06



P32.22-2272-07

010 Removal and installation tool

010a Bolt



P32.22-2271-07

7 Air suspension strut bellows

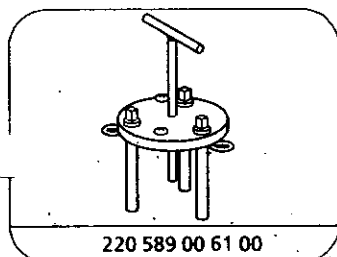
✕	Remove		
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⚠ Danger!	Risk of death. Death may result if vehicle slips or topples from the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	A500.00-Z-0010-01A
ⓘ	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Open engine hood and raise to vertical position		AR88.40-P-1000M
2	Discharge air suspension struts using STAR DIAGNOSIS	Diagnosis system STAR DIAGNOSIS	WE58.40-Z-1013-06A
ⓘ	Special information on AIRmatic		AH32.22-P-1000-02I
3	Unscrew pressure line connection (1) and put pressure line to one side		
4	Cover engine compartment	ⓘ When loosening the sealing compound, parts flying around can enter the engine openings.	
5	Warm up sealing compound with a hot air blower	i Heat up sealing compound until it softens. ⚠ Check the hardness of the sealing compound with a screwdriver. 🔧 Hot air blower	WH58.30-Z-1014-20A
6	Loosen the sealing compound with a screwdriver	i Thoroughly remove parts of the sealing compound which have separated using a dust extractor.	
7	Unscrew residual pressure retention valve (2)	ⓘ Seal the opening in the residual pressure retention valve (2) using boltMB (6) so that no dirt enters the air suspension strut.	
8	Thoroughly remove remaining sealing compound with a screwdriver	i There must not be any burrs or dirt particles remaining.	
9	Screw in bolt (010a) of the removal and installation tool (010) in stages corresponding to the pictorial sequence and secure with cotter pins	ⓘ Only one nut (5) must always be released and be replaced by a bolt (010a) of the removal and installation tool (010). When several nuts (5) are loosened (5) the air suspension strut can slip down and be damaged. i Installation: Replace nuts (5) 🔧 Removal/installation tool	220 589 00 61 00
10	Press down the cover (4) using the removal and installation tool (010)	i Press down the cover (4) using the removal and installation tool (010) until the circlip (3) is free from stress.	
11	Remove circlip (3) using a screwdriver	ⓘ Do not make any scratches or burrs as otherwise the sealing ring of the new cover (4) will be damaged during installation.	
12	Release the load on the removal and installation tool (010) and remove the cover (4) using a bar-type magnet	⚠ Check the surfaces on the air suspension strut and the groove in the circlip (3) for sharp edges and remove if necessary.	
🔧	Install		
13	Insert new cover (4)	i Coat the sealing ring of the new cover (4) with soapsuds	

		<ul style="list-style-type: none"> ⊗ Do not use any oils and greases (mineral oil products), these damage the sealing ring and lead to leaks from the air suspension strut. 	
14	Press in the cover (4) using the removal and installation tool (010)	<ul style="list-style-type: none"> ⊗ When pressing in ensure that the new cover (4) is pressed in evenly and is not tilted over. Otherwise the sealing ring of the cover (4) will be damaged and result in leaks from the air suspension strut. 	
15	Fit circlip (3)	<ul style="list-style-type: none"> ⓘ Replace locking ring (3). 	
16	Pull out cotter pin of the bolts (010a) of the removal and installation tool (010) and pull out the bolts (010a) in stages in the reverse installation sequence	<ul style="list-style-type: none"> ⊗ Fit the nuts (5) and tighten after filling the air suspension strut in the curb condition. ⊗ Only one bolt (010a) of the removal and installation tool (010) must be released and replaced by a nut(5). If several bolts (010a) are released the air suspension strut can slide downwards. 	BA32.25-P-1001-04B
17	Tape dome on air suspension strut	<ul style="list-style-type: none"> ⓘ Prior to painting the surfaces must be free from grease. 	
18	Paint damaged surfaces on the upper part of the air suspension strut black	<ul style="list-style-type: none"> ⓘ Allow painted surfaces to dry. 	
19	Unscrew bolt M8 (6) from the opening in the residual pressure retention valve (2) and screw in new residual pressure retention valve (2)	<ul style="list-style-type: none"> ⓘ Fit residual pressure retention valve (2) by hand and tighten using a suitable tool. 	
20	Screw on pressure line connection (1)	<ul style="list-style-type: none"> ⓘ Check pressure line O-ring for damage and replace if necessary 	BA32.25-P-1003-04B
21	Raise the vehicle and align the bellows (7) of the air suspension strut	<ul style="list-style-type: none"> ⓘ To align, press the bellows (7) upwards and pull downwards in a position free from stress 	
22	Fill air suspension struts using STAR DIAGNOSIS	<ul style="list-style-type: none"> ⊗ The wheels must not contact the ground during filling When filling in the jounce condition the air spring bellows on the inside of the air suspension strut will be destroyed. ⓘ When filling the lower support bearing must be pulled downwards so that the air cannot escape there. 	WE58.40-Z-1013-06A
23	Checking top of air suspension strut for leaks	<ul style="list-style-type: none"> ⓘ Spray repaired point with soapsuds. Pay attention to bubble formation whilst the front end is being rocked. 	AR32.22-P-81001

Nm Suspension struts

Number	Designation	Model	Model
		220.025/026/028/ 063/065/067 / 070/073/074 / 075/125/126 / 128/165/167 / 170/173/174 / 175/176/178 / 874/875/876/878	220.083/ 084/087/ 183/184/ 187
BA32.25-P-1001-04B	Nut, front suspension strut to front end	NM 20	20
BA32.25-P-1003-04B	Air suspension pressure line to front suspension strut	NM 5	5



220 589 00 61 00

Removal/installation tool

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
W/58.30-Z-1014-20A	Hot-air gun - 3000 W	Firma Zinser Schweißtechnik GmbH Postfach 14 40 73061 Ebersbach/Fils Tel.: 07163/16710	Model K-25-R

Workshop equipment/MB testers (see Workshop Equipment Manual)

VE58.40-Z-1013-06A	Diagnostic system STAR DIAGNOSIS, compact passenger vehicle, order number 6511 1801 00
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Novel Pedro done ✓

Sr	Unit No.	Class No.	City	Company Name
1	S320L	200082590405	2201656A132315	AHMEDABAD
2	S320L	200082590410	2201656A132320	AHMEDABAD
3	S320L	200082590420	2201656A132330	AHMEDABAD
4	S320L	200082590444	2201656A132354	AHMEDABAD
5	S320L	200082590449	2201656A132359	AHMEDABAD
6	S320L	200082590680	2201656A104872	AHMEDABAD
7	S320L	200082590693	2201656A164879	AHMEDABAD
8	S320L	200082590822	2201656A178146	AHMEDABAD
9	S320L	200082590884	2201656A181181	AHMEDABAD
10	S320L	200182591011	2201656A260563	AHMEDABAD
11	S320L	200282590163	2201656A284841	AHMEDABAD
12	S320L	200282590233	2201656A290755	AHMEDABAD
13	S350L	200382590064	2201676A344974	AHMEDABAD
14	S320L	200082590406	2201656A132316	BANGALORE
15	S320L	200082590441	2201656A132351	BANGALORE
16	S320L	200082590443	2201656A132353	BANGALORE
17	S320L	200082590466	2201656A132376	BANGALORE
18	S320L	200082590468	2201656A132378	BANGALORE
19	S320L	200082590691	2201656A164877	BANGALORE
20	S320L	200082590692	2201656A164878	BANGALORE
21	S320L	200082590951	2201656A185263	BANGALORE
22	S320L	200082590958	2201656A185270	BANGALORE
23	S320L	200182590079	2201656A191199	BANGALORE
24	S320L	200182590081	2201656A191201	BANGALORE
25	S320L	200182590082	2201656A191202	BANGALORE
26	S320L	200182590794	2201656A245908	BANGALORE
27	S320L	200282590004	2201656A277384	BANGALORE
28	S320L	200282590355	2201656A296041	BANGALORE
29	S350L	200282590907	2201676A339601	BANGALORE
30	S320L	200082590425	2201656A132335	CALCUTTA
31	S320L	200082590399	2201656A132309	CHANDIGARH
32	S320L	200082590400	2201656A132310	CHANDIGARH
33	S320L	200082590402	2201656A132312	CHANDIGARH
34	S320L	200082590423	2201656A132333	CHANDIGARH
35	S320L	200082590424	2201656A132334	CHANDIGARH
36	S320L	200082590429	2201656A132339	CHANDIGARH
37	S320L	200082590434	2201656A132344	CHANDIGARH
38	S320L	200082590442	2201656A132352	CHANDIGARH
39	S320L	200082590456	2201656A132366	CHANDIGARH
40	S320L	200082590463	2201656A132373	CHANDIGARH
41	S320L	200082590464	2201656A132374	CHANDIGARH
42	S320L	200082590690	2201656A164876	CHANDIGARH
43	S320L	200082590696	2201656A164882	CHANDIGARH
44	S320L	200082590817	2201656A178141	CHANDIGARH
45	S320L	200082590950	2201656A185262	CHANDIGARH
46	S320L	200082590953	2201656A185265	CHANDIGARH
47	S320L	200082590956	2201656A185268	CHANDIGARH
48	S320L	200182590062	2201656A191182	CHANDIGARH
49	S320L	200182590063	2201656A191183	CHANDIGARH
50	S320L	200182590067	2201656A191187	CHANDIGARH
51	S320L	200182590078	2201656A191198	CHANDIGARH
52	S320L	200182591009	2201656A260561	CHANDIGARH
53	S320L	200182591012	2201656A260564	CHANDIGARH
54	S320L	200182591136	2201656A269792	CHANDIGARH
55	S320L	200182591137	2201656A269793	CHANDIGARH

24/2/05

24/2/05 done

Tracking in VDC done

21/2/04

Novel Pedro done 3001

			CLASSIS NO		Completion Status
56	S320L	200182591140	2201656A269796	CHANDIGARH	
57	S320L	200282590011	2201656A277391	CHANDIGARH	
58	S320L	200282590012	2201656A277392	CHANDIGARH	
59	S320L	200282590356	2201656A296042	CHANDIGARH	
60	S320L	200282590549	2201656A303169	CHANDIGARH	
61	S320L	200282590551	2201656A303171	CHANDIGARH	
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66	S320L	200082590407	2201656A132317	CHENNAI	
67	S320L	200082590422	2201656A132332	CHENNAI	
68	S320L	200082590450	2201656A132360	CHENNAI	
69	S320L	200082590458	2201656A132368	CHENNAI	
70	S320L	200082590685	2201656A164871	CHENNAI	
71	S320L	200082590818	2201656A178142	CHENNAI	
72	S320L	200082590819	2201656A178143	CHENNAI	
73	S320L	200082590828	2201656A178152	CHENNAI	
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79	S320L	200282590003	2201656A277383	CHENNAI	
80	S320L	200282590007	2201656A277387	CHENNAI	
81	S320L	200282590166	2201656A284844	CHENNAI	
82	S320L	200282590543	2201656A303163	CHENNAI	
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85	S350L	200282590810	2201676A326006	CHENNAI	
86	S350L	200282590811	2201676A326007	CHENNAI (T)	
87	S350L	200382590078	2201676A350566	CHENNAI (T)	
88	S350L	200282590803	2201676A318981	CHENNAI (T)	
89	S320L	200082590417	2201656A132327	COCHIN	
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91	S320L	200182590075	2201656A191195	COIMBATORE	
92	S350	200282510061	2201672A319321	DC INDIA	
93	S320L	200082590391	2201656A132301	DELHI	
94	S320L	200082590392	2201656A132302	DELHI	
95	S320L	200082590393	2201656A132303	DELHI	
96	S320L	200082590394	2201656A132304	DELHI	
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113	S320L	200082590445	2201656A132355	DELHI	
114	S320L	200082590448	2201656A132358	DELHI	
115	S320L	200082590454	2201656A132364	DELHI	
116	S320L	200082590455	2201656A132365	DELHI	
117	S320L	200082590457	2201656A132367	DELHI	
118	S320L	200082590459	2201656A132369	DELHI	
119	S320L	200082590462	2201656A132372	DELHI	
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121	S320L	200082590467	2201656A132377	DELHI	
122	S320L	200082590469	2201656A132379	DELHI	
123	S320L	200082590472	2201656A132382	DELHI	
124	S320L	200082590473	2201656A132383	DELHI	
125	S320L	200082590474	2201656A132384	DELHI	
126	S320L	200082590688	2201656A164874	DELHI	
127	S320L	200082590694	2201656A164880	DELHI	
128	S320L	200082590695	2201656A164881	DELHI	
129	S320L	200082590824	2201656A178148	DELHI	
130	S320L	200082590825	2201656A178149	DELHI	
131	S320L	200082590949	2201656A185261	DELHI	
132	S320L	200082590952	2201656A185264	DELHI	
133	S320L	200082590959	2201656A185271	DELHI	
134	S320L	200182590066	2201656A191186	DELHI	
135	S320L	200182590070	2201656A191190	DELHI	
136	S320L	200182590071	2201656A191191	DELHI	
137	S320L	200182590074	2201656A191194	DELHI	
138	S320L	200182590076	2201656A191196	DELHI	
139	S320L	200182590077	2201656A191197	DELHI	
140	S320L	200182590083	2201656A191203	DELHI	
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145	S320L	200182590456	2201656A222062	DELHI	
146	S320L	200182590787	2201656A245901	DELHI	
147	S320L	200182590789	2201656A245903	DELHI	
148	S320L	200182590795	2201656A245909	DELHI	
149	S320L	200182590797	2201656A245911	DELHI	
150	S320L	200182591010	2201656A260562	DELHI	
151	S320L	200182591014	2201656A260566	DELHI	
152	S320L	200182591138	2201656A269794	DELHI	
153	S320L	200182591261	2201656A272881	DELHI	
154	S320L	200182591262	2201656A272882	DELHI	
155	S320L	200182591263	2201656A272883	DELHI	
156	S320L	200182591264	2201656A272884	DELHI	
157	S320L	200182591266	2201656A272886	DELHI	
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161	S320L	200282590164	2201656A284842	DELHI	
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163	S320L	200282590168	2201656A284846	DELHI	
164	S320L	200282590229	2201656A290751	DELHI	
165	S320L	200282590232	2201656A290754	DELHI	

	Mo.	Plant No.	Chassis No.	Location	Completion Status
166	S320L	200282590541	2201656A303161	DELHI	
167	S320L	200282590542	2201656A303162	DELHI	
168	S320L	200282590544	2201656A303164	DELHI	
169	S320L	200282590545	2201656A303165	DELHI	
170	S320L	200282590546	2201656A303166	DELHI	
171	S320L	200282590547	2201656A303167	DELHI	
172	S320L	200282590550	2201656A303170	DELHI	
173	S350L	200282590795	2201676A318973	DELHI	
174	S350L	200282590796	2201676A318974	DELHI	
175	S350L	200282590797	2201676A318975	DELHI	
176	S350L	200282590800	2201676A318978	DELHI	
177	S350L	200282590801	2201676A318979	DELHI	
178	S350L	200282590802	2201676A318980	DELHI	
179	S350L	200282590806	2201676A326002	DELHI	
180	S350L	200282590807	2201676A326003	DELHI	
181	S350L	200282590808	2201676A326004	DELHI	
182	S350L	200282590812	2201676A326008	DELHI	
183	S350L	200282590813	2201676A326009	DELHI	
184	S350L	200282590815	2201676A326011	DELHI	
185	S350L	200282590908	2201676A339602	DELHI	
186	S350L	200282590910	2201676A339604	DELHI	
187	S350L	200282590911	2201676A339605	DELHI	
188	S350L	200382590062	2201676A344972	DELHI	
189	S350L	200382590063	2201676A344973	DELHI	
190	S350L	200382590065	2201676A344975	DELHI	
191	S350L	200382590068	2201676A344978	DELHI	
192	S350L	200382590070	2201676A344980	DELHI	
193	S350L	200382590075	2201676A350563	DELHI	
194	S350L	200382590289	2201676A357141	DELHI	
195	S350L	200382590290	2201676A357142	DELHI	
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200	S320L	200082590440	2201656A132350	HYDERABAD	
201	S320L	200082590689	2201656A164875	HYDERABAD	
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203	S320L	200182590453	2201656A222059	HYDERABAD	
204	S320L	200182590791	2201656A245905	HYDERABAD	
205	S320L	200182590798	2201656A245912	HYDERABAD	
206	S320L	200182591013	2201656A260565	HYDERABAD	
207	S320L	200282590009	2201656A277389	HYDERABAD	
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219	S320L	200082590438	2201656A132348	MUMBAI	
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S.No	Model	Chassis No	Engine No	Location	Comments
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226	S320L	200082590461	2201656A132371	MUMBAI	
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232	S320L	200082590827	2201656A178151	MUMBAI	
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242	S320L	200182590445	2201656A222051	MUMBAI	
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245	S320L	200182590454	2201656A222060	MUMBAI	
246	S320L	200182590455	2201656A222061	MUMBAI	
247	S320L	200182590792	2201656A245906	MUMBAI	
248	S320L	200182590798	2201656A245907	MUMBAI	8/1/05 Novu Petrochari Cal
249	S320L	200182590796	2201656A245910	MUMBAI	
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253	S320L	200282590230	2201656A290752	MUMBAI	
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260	S320L	200282590548	2201656A303168	MUMBAI	
261	S320L	200282590552	2201656A303172	MUMBAI	
262	S350L	200282590794	2201676A318972	MUMBAI	
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264	S350L	200282590805	2201676A326001	MUMBAI	
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266	S350L	200282590814	2201676A326010	MUMBAI	
267	S350L	200282590816	2201676A326012	MUMBAI	
268	S350L	200282590909	2201676A339603	MUMBAI	
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274	S350L	200382590293	2201676A357145	MUMBAI	
275	S320L	200082590414	2201656A132324	PUNE	

Sl. No.	Model	Chassis No.	Engine No.	City	Date
276	S320L	200182590452	2201656A222058	PUNE	
277	S320L	200182590790	2201656A245904	PUNE	
278	S320L	200182591139	2201656A269795	PUNE	
279	S320L	200182591265	2201656A272885	PUNE	
280	S320L	200282590002	2201656A277382	PUNE	
281	S350L	200382590069	2201676A344979	PUNE	
282	S350L	200382590071	2201676A344981	PUNE	
283	S350L	200382590076	2201676A350564	PUNE	

Handwritten signature and date:
 28/10/04



This preliminary information is not subject to updating and shall be valid up to the release of the next WIS update only. The latest version is available in WIS as of update 02/2006



Group 32

SI32.22-P-0005A

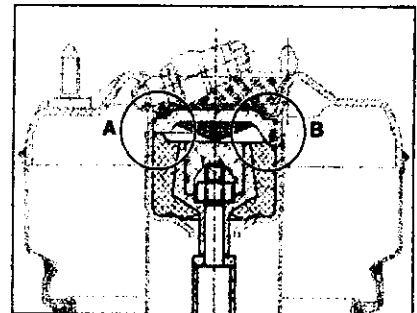
23.12.2005

SI32.22-P-0005A	Service Information: Replacing an air suspension strut on the front axle	23.12.05
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MODEL 220.### ## up to 360985

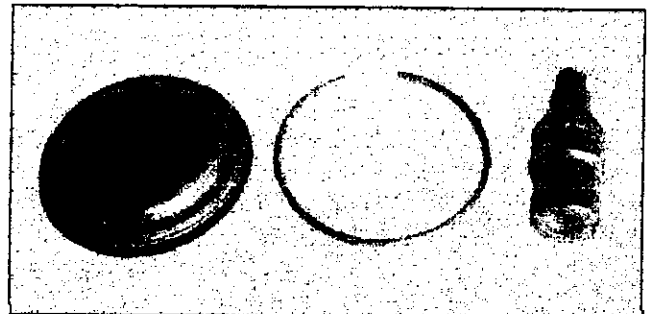
Head bearing

- A Old version
- B New version



P32.22-2419-01

Head bearing repair kit



P32.22-2417-10

1 According to current knowledge, knocking and/or thumping noises at the front air suspension struts are attributable to settling effects of the head bearing, possibly in combination with leaks from the head bearing.

Only in absolute exceptional cases when a proper repair of the head bearing with the repair kit did not lead to a satisfactory conclusion, should the replacement of the suspension strut be taken into consideration.

For this reason and in the event of knocking and/or thumping noises coming from the front axle suspension strut the head bearing should be repaired with immediate effect using the repair kit as per the following repair instructions. When the repair kit is used the settling effect which is responsible for the corresponding noises is compensated, the head bearing being pre-compressed again. This also eliminates noises from the head bearing area. It is not necessary to replace the suspension strut.

 AR	Seal top air suspension strut	Model 220 except CODE (487) Active Body Control (ABC)	AR32.22-P-16001
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DAIMLERCHRYSLER

Service Information

Distribution: Dealers + Service Centres
DCIPL Field Service Rep.

x
x

28th July 2005

S. I. No. - IND 32/004

 Passenger Car

Applicable to

Model: W 220 except CODE (487) Active Body Control (ABC)

Kind Attention - Workshop Managers

Dear All,

Kindly find herewith the information on latest repair option available (Document Ref. No. SI32.22-P-0004A, dated 26th July 2005) for the air suspension strut on front axle. We kindly request you to refer the suggested repair option while attending the jobs on leaky front air suspension struts.

The operation items and work units are explained in the documents, reference numbers SI32.22-P-4040AU and SI32.22-P-4040AU.

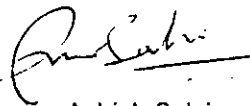
Kindly ensure that your concerned staff is well aware of the above.

In case of any queries, please feel free to contact us.

With best regards,
DaimlerChrysler India Private Limited





D. Chandavarkar
General Manager
After-Sales



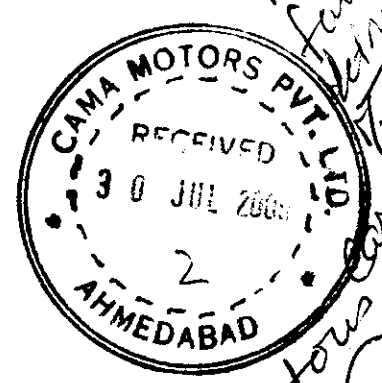
Ashish Salvi
Dy. General Manager
Field Service

Copy to - DC India Service Representatives for necessary follow-up.

Encl: As Above.


Reviewed
on 30/7/05
at 6:12 PM


Handwritten notes:
Dharmy
P. I. got through thoroughly
educate your Technicians
Team. Sign your Technicians
appropriately & bit
further P.I.
to ensure
this case is
1/8/05





Mercedes-Benz

service information

Air suspension update 09/05



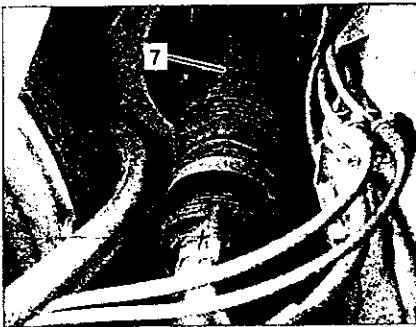
Group 32

SI32.22-P-0004A

26.07.2005

SI32.22-P-0004A	Service Information: Repair options for the front axle air suspension strut	18.7.05
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MODELS 220 except CODE (487) Active Body Control (ABC)



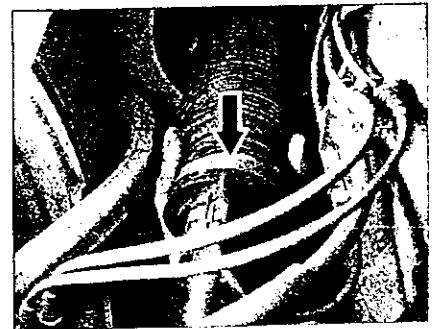
P32.22-2412.01

Picture 1: Air spring plunger separated from the support bearing



P32.22-2413.01

Picture 2: Grasp the air spring plunger with the hand



P32.22-2414.01

Picture 3: Pull the air spring plunger downwards by hand and press onto the support bearing

7 Air spring plunger

i Due to recent events we would again like to point out the repair options for the air suspension strut on the front axle. (see also the documents published on this.)

Before replacing a supposed leaky suspension strut, in each case carry out the leak test on the head bearing using soapy water.

If there is a lack of pressure in the suspension strut it may be that in the full rebound travel condition the air spring plunger separates from the support bearing (picture 1). In this case to test whether there is leakage at the head bearing, proceed as follows:

Fill the air spring using the DAS (Diagnosis Assistance System), in the process pull the air spring plunger of the air spring downwards firmly by hand so that the air does not escape between the air spring plunger and the support bearing (picture 2 and 3).

Once the suspension strut is filled, carry out the repair test on the head bearing and repair if necessary.

i After using the repair kit likewise proceed as described above when filling the air suspension strut (picture 2 and 3).

i Air suspension struts on which the air spring plunger is separated from the support bearing (picture 1) can be filled with air and repaired again without problems. ~~They must not be exchanged for a new suspension strut.~~

The operation items and work units are explained in the published documents.

AF	Air suspension strut leaky in area of adhesive	Model 220 up to 360985 except CODE (487a) Active Body Control (ABC)	AF32.22-P-4040AU
AR	Seal top air suspension strut	Model 220 except CODE (487) Active Body Control (ABC)	AR32.22-P-1600I