

Adler, James  
 11 Nequest Road  
 Woolwich ME 04579  
 United States  
 Home Phone 207-443-4409  
 Work Phone 207-443-8014



Atlantic Motorcar Center  
 U.S. Route 1  
 10 Oxhorn Road  
 Wiscasset, Maine 04578  
 Fon (207) 882-9969  
 Fax (207) 882-9940  
 www.AtlanticMotorcar.com

1989 MERCEDES-BENZ 560SL  
 License : ME 6853 LV BLACK Odometer 77,033  
 VIN#: WDBBA48D6KA095017  
 Hat #:  
 Customer Notified

Advisor Scott Printed 05/03/13 Order Date 04/29/13 Bosch Service BSC775

**Labor Performed And Parts Used** Quantity Price Extended

**Maine State Inspection Due At :** 0.00

We have taken note of when your state inspection sticker expires and we'll send you a reminder when it gets close to that time. (Ryan)

Job subtotal \$0.00

0.00

**Courtesy Maintenance Inspection - Use Workform**

- Establish service and condition baseline.
- Roadtest vehicle to evaluate performance and handling.
- Use Courtesy Maintenance Inspection Worksheet.
- Evaluate condition of vehicle systems.
- Note defects, concerns or additional needed diagnosis.
- Advise of next Maintenance Service Due.

Service Notes: (Ryan)

Job subtotal \$0.00

0.00

**Next Scheduled Maintenance Service Due At 82K**

Your car's next recommended maintenance service is noted above. The manufacturer also indicates specific services that must be done to maintain the factory warranty and extended warranty.

Our workshop is equipped with a computerized diagnostic equipment and the factory information system that provides detailed repair and maintenance requirements to help keep you in complete compliance with your warranty.

By following this service schedule, you will protect your second most expensive investment and continue to enjoy the same level of dependability you have come to know and expect. Thanks!  
 (Ryan)

Job subtotal \$0.00

Quantity Price Extended

42.50

brake is dragging. D/F caliper was replaced May 2008 and P/F caliper

- verify brake system operation.
- on lift and inspect vehicle brake system.
- condition and level of fluid in brake master cylinder.
- if brake fluid flush is needed.
- at System
- remove front road wheels, inspect condition of front brakes.
- Inspect and note condition of front brake rubber hoses.
- Inspect and note condition of front brake metal pressure lines.
- Examine front brake calipers, note wear/damage, check rubber boots for deterioration, splits or leakage.
- Front brake rotor condition, note and advise.
- Front brake pad wear and condition, note and advise.
- Estimate remaining life of front brake pad material.
- Undercar
- Remove rear road wheels and inspect condition of rear brakes.
- Note condition of rear rubber brake hoses, note wear/damage.
- Inspect metal brake lines running on car undercarriage.
- Inspect handbrake cables, note if deteriorated or rusted.
- Inspection operation of handbrake, note height of engagement.
- Rear System
- Inspect rear brake rotors/drums for condition.
- Examine rear brake calipers, note wear/damage, check rubber boots for deterioration, splits or leakage.
- Inspect rear brake shoes for wear and condition.
- Estimate remaining life of rear brake material.

Service Notes:

Tech determined D/F caliper dragging/seized heavily, P/F caliper dragging, brake rotors warped.

Recommend replacement of both front calipers, brake rotors, and pads. (Ryan)

Job subtotal \$42.50

66.50

**Caliper, Brake P/F - Check and Replace**

- Tech noted defective brake caliper. Brake apply piston was dragging friction material against brake rotor, creating premature brake wear, friction and heat.
- Inspect both front brake hoses, verify condition and integrity.
- Replace P/F brake caliper with remanufactured unit.
- Flush and bleed air from brake hydraulic system.
- Inspect other brake calipers for condtion.
- Evacuate brake fluid in reservoir prior to compressing calipers.
- Roadtest car to verify proper performance and braking. (Ryan)

BCC Cleaner, Brake/Parts  
10-00815 Brake Caliper - w/o Brake Pads

1.00  
1.00  
Job subtotal parts 294.24  
Job subtotal \$360.74

Quantity Price Extended

**Inspect and Replace**

66.50

Inspect front brake caliper. Brake apply piston was dragging friction material against  
 premature brake wear, friction and heat.  
 Inspect brake hoses, verify condition and integrity.  
 Replace brake caliper with remanufactured unit.  
 Bleed air from brake hydraulic system.  
 Inspect rear brake calipers for condition.  
 Flush brake fluid in reservoir prior to compressing calipers.  
 Roadtest car to verify proper performance and braking. (Ryan)

ACC	Cleaner, Brake/Parts	1.00	
10-00816	Brake Caliper - w/o Brake Pads	1.00	
		Job subtotal parts	294.24
		Job subtotal	\$360.74

**Brake Service - Front, Complete**

118.75

Inspect vehicle brake fluid for condition, note if flush required.  
 Remove, inspect and reinstall/replace front brake rotors.  
 Clean/lubricate brake caliper slides to insure free movement.  
 Check brake caliper condition, seals and boots.  
 Inspect front brake hydraulic lines for condition.  
 Evacuate brake fluid in reservoir prior to compressing calipers.  
 Replace front brake pads, using anti-squeal compound.  
 If equipped with wear indicator sensors, replace as needed.  
 Verify operation and adjust hand brake if needed.  
 Roadtest car to confirm proper brake operation.  
 Gentle braking should be observed for the first 500 miles to assure that the new brake pads bed in properly. This will insure much longer brake life and less chance of brake squeal and noise.  
 (Ryan)

124 421 16 12	Brake Disc	2.00	
140 540 12 17	Brake Pad Sensor	2.00	
001 420 85 20	Brake Pad Set - With Shims	1.00	
		Job subtotal parts	289.00
		Job subtotal	\$407.75

Quantity Price Extended

**Full Fluid Flush**

64.00

Manufacturers to be done every 2 years.  
 Fluids oxidized and contaminated over time and use.  
 Fluids cause corrosion on parts and brake fluid failure, and premature failure of  
 brake ABS and hydraulic components.  
 This service thoroughly flushes all old/contaminated brake fluid from the system, and replaces it  
 with fluid which exceeds factory standards.

Check brake fluid for moisture/contamination with test strip.  
 Clean and visually inspect master cylinder.  
 Externally visually inspect the condition of brake lines, hydraulic hoses, calipers and wheel  
 cylinders for damage, leaks and proper operation.  
 Free up brake bleeder screws, note any problems.  
 Flush all contaminated brake fluid from hydraulic system and replace with new fluid.  
 This service will help reduce the effects of electrochemical degradation which can damage brake  
 components.  
 Top off master cylinder fluid level  
 Road test for proper operation.

Service Notes: (Ryan)

BF	Fluid, Brake System DOT 4	3.00	
BCC	Cleaner, Brake/Parts	1.00	
	Job subtotal parts		56.96
	Job subtotal		\$120.96

**Diagnostic - Battery, Charging and Starting System**

25.00

Battery was disconnected during winter storage but was "fairly dead" when customer picked it up.  
 Car was driven for about 45 min when dropped off.

**Bosch BAT-151 Computerized Charging System Analyzer**

**Battery and Cables**  
 Inspect battery cables and terminal ends for corrosion and condition, clean/tighten terminals as  
 needed.  
 Inspect battery ground ends for integrity, corrosion.  
 Check battery installation date, if marked, battery over 3-5 years old are nearing end of service  
 life and should be carefully tested.  
 Verify battery Cold Cranking Amps (CCA) rating for testing.  
 Carry out Electronic Impedance Analysis of Battery, note and print results. Record and graph  
 results.

**Alternator Output - Off Key Drain**  
 Analyzer will automatically check for off key drain and "electrical noise", record if fault exists.  
 Electronically Evaluate Alternator Output and Ripple Content.  
 Inspect Drive Belt System, verify proper condition and tension.  
 Will record and graph results.

**Starter - Cranking Current Draw**  
 Analyzer will automatically check for cranking current draw to check for a defective or worn  
 starter. Will record and graph results.

Service Notes:

Battery dead when tech went to start car.  
 Battery failed tests (Ryan)

Job subtotal **\$25.00**

INVOICE **205204**

Quantity Price Extended

- Warranty Noted Below

18.75

- See part number for warranty duration.

Battery.

Battery terminals and cables.

Battery terminal protector on positive post to prevent corrosion.

Clock and recode radio if needed.

A new battery has a 72 month pro-rated warranty, with free replacement in the first 18 months.

(Ryan)

BTP	Protector, Battery Term	1.00	
S5533B	Battery, Bosch S5 (3 Year Free Replacement)	1.00	
		Job subtotal parts	165.98
		Job subtotal	\$184.73
<b>Diagnose/Correct - Mercedes - Level 1</b>			90.00

ABS light is on. Tech also noted idle to be high.

**Mercedes Diagnostic Testing - Level 1**

Scheduled Quick Test to identify faults in vehicle systems.

Print out or note and record results of Quick Test.

Level 1 Diagnostic - fault code confirmation, carry out base data verification, recommend action.

Note - additional time, or a Level 2 Diagnostic may be required for pinpoint testing of components.

**Service Notes:**

Tech found blown fuse for over voltage protection relay.

Replaced fuse and tested systems.

ABS light out, idle normal, other systems OK.

Recommend replacing Over Voltage Protection Relay. (Ryan)

201 540 08 45	Overload Relay	1.00	
		Job subtotal parts	80.00
		Job subtotal	\$170.00

**Engine Oil Service and Maintenance Inspection** 15.00

Oil and filter change, lubrication service.

Replace filter and engine oil, replace drain plug seal.

Check all fluid levels and top off as necessary.

General maintenance/safety inspection, note any service needs.

Reset service light (if applicable).

**Service Notes: (Ryan)**

CU	Seal Ring, Copper Crush	1.00	
HHS	Lubricant, Body/Door	1.00	
000 180 06 09	Oil Filter Kit	1.00	
5W30 GTX	Oil, Engine Castrol GTX	7.00	
		Job subtotal parts	40.17
		Job subtotal	\$55.17

**Maine State Inspection** 12.50

Carry out Maine State Inspection as per State Requirements.

Note any service needs or failures on service order.

**Service Notes: (Scotty)**

Job subtotal \$12.50

INVOICE

205204

Quantity Price Extended

## RECOMMENDATIONS:

03/2013 NEXT Engine Oil Service and Maintenance Inspection @ 82033 MILES OR BY  
 8/3/2013 (Scott Ryan)  
 05/03/2014 NEXT Maine State Inspection DUE ON 5/3/2014 (Scott Scotty)  
 07/29/2014 NEXT Power Steering - Fluid Service, Flush @ 119044 MILES OR BY 7/29/2014  
 (Bruce Rick)  
 05/03/2015 NEXT Brake System - Inspect, Full Fluid Flush DUE ON 5/3/2015 (Scott Ryan)

## POST REPAIR ACTIONS PERFORMED:

Call When Ready  
 Quality Check  
 Wash and Vacuum Car

Our service work is covered by a 2 Year/24,000 Mile Warranty on non-wear items. Please review the attached Nationwide Service Warranty for terms and conditions.

If there is any reason that you feel we did not rate a '5 Star', please contact me immediately at 882-9969, and I will address your concern at once. I want to make certain that you are delighted with our service, your satisfaction is always my utmost concern! Thank you for your business! - Bruce

On the Web -> [www.AtlanticMotorcar.com](http://www.AtlanticMotorcar.com)  
 On FaceBook -> [www.facebook.com/atlantic.motorcar.services](http://www.facebook.com/atlantic.motorcar.services)

Approvals:	Date Time	Method/Phone	Amt	Total
James Adler	04/29/13 08:39AM	207-443-4409	174.00	174.00
James Adler	05/01/13 12:20PM	207-443-4409	1656.00	1830.00

Labor	519.50
Taxable Parts	1220.59
Shop Supplies	26.83
SubTotal	1766.92
Sales Tax	62.37
Charges	1829.29
<b>Balance Due</b>	<b>1829.29</b>