

# REGULAR MAINTENANCE INSPECTION — Every 12,500 Miles

## All 1977 Models (37,500 Mile Intervals)



Customer: \_\_\_\_\_ Work Order No.: \_\_\_\_\_  
 Address: \_\_\_\_\_ License No.: \_\_\_\_\_  
 City & State: \_\_\_\_\_ Mileage: \_\_\_\_\_  
 Zip Code or Province: \_\_\_\_\_ Time Promised: \_\_\_\_\_

**Maintenance Work to be Performed:**

MB Maintenance Service (three sections) with engine oil change and oil filter service.  
 Oil: Brand-Viscosity \_\_\_\_\_

**Additional Maintenance Work to be Performed Every 37,500 Miles:**

Radiator Coolant: \_\_\_\_\_ °F  
 FILL/DRAIN/CHECK. Add rust inhibitor.  
 Change every other year.  
 Drain and renew brake fluid. (once a year, preferably in Spring). Use only specified brake fluid.

**M-B Individual Maintenance Jobs Performed as Needed:**

Section I: Lubrication Service  
 Engine oil change with oil filter service.  
 Oil: Brand-Viscosity \_\_\_\_\_  
 Section II: Engine Testing;  
 Engine maintenance.  
 Section III: Safety Inspection.

**Special Maintenance Work Performed at Extra Cost:**

Sliding Roof: Clean guide channels and lubricate lightly.  
 Lighting System: Check headlights and aim.  
 Battery: Clean housing and terminals; grease terminals lightly.  
 Car wash.  
 Wax and Polish.  
 Clean Engine and Engine Compartment; lubricate all control linkages.

**Special Instructions from Customer:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Visual Inspection: Check For Leakage and General Condition.**

<input type="checkbox"/> Engine	<input type="checkbox"/> Rear Axle	<input type="checkbox"/> Front Axle	<input type="checkbox"/> Undercarriage
<input type="checkbox"/> Steering	<input type="checkbox"/> Brakes	<input type="checkbox"/> Tires	<input type="checkbox"/> Body Condition
<input type="checkbox"/> Transmission	<input type="checkbox"/> Shock Absorbers	<input type="checkbox"/> Exhaust System	<input type="checkbox"/> Hydropneumatic System

Result: \_\_\_\_\_  
 \_\_\_\_\_

## Section I: Lubrication Service with Oil Filter Change

240D-300D  
 230  
 280E  
 280 SE  
 450-All  
 6.9

Oil Change  
      151 Engine oil with filter change.

**Inspection for Leaks and Condition**

038 Heating & cooling system.

240D-300D  
 230  
 280E  
 280 SE  
 450-All  
 6.9

041 Fuel hoses and pipes.  
      045 Clutch operating mechanism  
 510 (240 D only).  
 086 Hydropneumatic springs

(continued)

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|--|--|
| 240D-300D<br>230<br>280E<br>280 SE<br>450-All<br>6.9 | <b>Check Fluid Level and Replenish</b><br>(Check for leakage).<br><input type="checkbox"/> 120 Automatic transmission.<br><input type="checkbox"/> 121 Manual transmission (240 D only).<br><input type="checkbox"/> 139 Hydropneumatic system.<br><input type="checkbox"/> 130 Rear axle.<br><input type="checkbox"/> 134 Power steering.<br><input type="checkbox"/> 465 Windshield washer system.<br><input type="checkbox"/> 484 Air conditioning.<br><input type="checkbox"/> 700 Brake system.<br><input type="checkbox"/> 788 Stromberg carburetor.<br><input type="checkbox"/> 821 Battery.<br><input type="checkbox"/> 990 Radiator.<br><input type="checkbox"/> 350 Door hinges. |
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| 240D-300D<br>230<br>280E<br>280 SE<br>450-All<br>6.9 | <b>Body and Chassis Lubrication</b><br><input type="checkbox"/> 393 Door locks and hinges.<br><input type="checkbox"/> 395 Hood.<br><input type="checkbox"/> 375 Outside rear view mirror.<br><input type="checkbox"/> 415 Engine control linkages, control shafts and cables<br>Use only the following factory-recommended hydraulic oils: BP Hydraulic 1; Castrol DB Hydraulic Fluid; Esso Univers J-43; Mobile Aero HFA; Shell Aero Fluid 4.<br><input type="checkbox"/> 492 Clean door seal flanges. Coat door seals with OREL or similar rubber treatment. |
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## Section II : Electronic Engine Test and Engine Maintenance

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| 240D-300D<br>230<br>280E<br>280 SE<br>450-All<br>6.9 | <b>Mechanical</b><br><input type="checkbox"/> 753 Adjust valve clearances.<br><input type="checkbox"/> 202 Clean filter element; replace every 37,500 miles.<br><input type="checkbox"/> 762 Clean flame arrester.<br><br><input type="checkbox"/> 757 Check all drive belt tension and condition.<br><input type="checkbox"/> 785 Exhaust manifold heater flap. Check for free movement and free up as required (Engine M 115 only).<br><input type="checkbox"/> 770 Replace spark plugs.<br><input type="checkbox"/> 772 Check ignition timing and ignition change-over.<br><input type="checkbox"/> 787 Check start of delivery.<br><input type="checkbox"/> 813 Throttle control linkage: check for ease of movement. |
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| 240D-300D<br>230<br>280E<br>280 SE<br>450-All<br>6.9 | <input type="checkbox"/> 773 Replace distributor points.<br><input type="checkbox"/> 782 Check and adjust dwell angle, ignition timing and ignition changeover.<br><input type="checkbox"/> 832 Analyze engine with oscilloscope.<br><input type="checkbox"/> 797 Check and adjust engine idle speed control.<br><input type="checkbox"/> 798 Carburetor and injection engines: check idle adjustment with C.O. tester. Check throttle lift (carburetor engines).<br><input type="checkbox"/> 895 Check alternator fastening bolt for tightness. |
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## Section III : Safety Check

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| 240D-300D<br>230<br>280E<br>280 SE<br>450-All<br>6.9 | <input type="checkbox"/> 025 Steering system: check steering coupling for wear and clamping screws for tightness. Check for excessive wear in the system.<br><input type="checkbox"/> 983 Wheels: remove and reinstall. Check wheel disc for condition. Check inner rim for dirt accumulation.<br><input type="checkbox"/> 982 Tires: check tire tread wear and other tire damage.<br><input type="checkbox"/> 987 Correct tire air pressure. |
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|--|---|
| 240D-300D<br>230<br>280E<br>280 SE<br>450-All<br>6.9 | <input type="checkbox"/> 707 Brake pads: remove, clean, check and replace if necessary.<br><input type="checkbox"/> 703 Brake calipers: check for leakage and piston action. check condition of dust shield.<br><input type="checkbox"/> 709 Brake discs: check condition<br><input type="checkbox"/> 708 Brake discs: Clean ventilating passages.<br><input type="checkbox"/> 009 Parking brake: Check brake cable action. |
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(continued)

- 240D-300D
- 230
- 280E
- 280 SE
- 450-All
- 6.9

- 706 Parking brake: re-adjust.
- 028 Maintenance free joints for front axle: check for sealing and condition of steering joint sealing collars.
- 3353 (M.M. Vol. 2) Check ball joints for looseness
- 029 Steering: check for sealing and condition of sealing collars and steering rods.

**Retightening of Nuts, Bolts, and Retaining Parts**

- 924 Steering gear mounting screws (3).
- 988 Wheel bolts.
- 099 Check function of:
  - Headlight, rear lights and stop light.
  - Directional signals: Hazard warning lights.
  - Windshield wiper, windshield washer.
  - Heating and ventilation.

- 240D-300D
- 230
- 280E
- 280 SE
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- 6.9

- 098 Road test or dynamometer
  - Clutch.
  - Manual transmission.
  - Automatic transmission.
  - Air conditioner.
- 097 Brake test on test stand/road.
- 020 Sealed joints of the hydropneumatic suspension struts: Check for leaks and condition of rubber boots.

**Tire tread depth and brake performance**

Front-Left		Front-Right	
IN.	KP	IN.	KP
Rear-Left		Rear-Right	
IN.	KP	IN.	KP

**Maintenance**

**Additional Maintenance Work to be Performed Every 37,500 Miles**

- 240D-300D
- 230
- 280E
- 280 SE
- 450-All
- 6.9

- Oil Change**
- 170 Automatic transmission oil change.
- Filter Replacement or Cleaning**
- 174 Automatic transmission: replace filter element.
- 202 Air filter element: replace.
- 840/847 Fuel filter: Clean strainer, replace filter.
- 845 Fuel main filter: Clean filter element and filter housing.
- 844 Fuel pre-filter: check.

**Lubrication**

- 388 Front wheel grease caps: clean and refill with new grease.
- 631 Repack front wheel bearings; check roller bearings.

- 240D-300D
- 230
- 280E
- 280 SE
- 450-All
- 6.9

- Tightening of Nuts and Bolts**
- 871 Intake and exhaust manifold nuts and exhaust flange bolts.
- Exhaust pipe flange only.
- 876 Carburetor mounting flange screws.

**Checking**

- 501 Check clutch lining thickness (manual transmission only). (240 D only).
- 625 Check front wheel toe-in.
- 030 Check propeller shaft joint discs for wear or damage.
- 628 Check pressure reservoirs of hydropneumatic springs.
- 767 Replace catalyst some time after 50,000 miles, if required; Engine M 110 at 37,500 miles and after 50,000 miles, if required.

Date \_\_\_\_\_

Service Manager (Signature) \_\_\_\_\_