

**REGULAR MAINTENANCE INSPECTION – Every 12,500 Miles**

**All 1976 Models (25 000 Mile Intervals)**



service

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 25,000 Miles:**

- Radiator Coolant: \_\_\_\_\_ °F  
Check level and antifreeze mixture. Replace antifreeze mixture every three years.
- Replace 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.
- Water drain holes and channels; clean
- Wax and polish chrome.
- 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 |   |

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

**Section I: Lubrication Service with Oil Filter Change**

240D-300D  
230  
280-280C  
280S  
450-All

**Oil Change**

- 151 Engine oil with filter change.

240D-300D  
230  
280-280C  
280S  
450-All

**Inspection for Leaks and Condition**

- 038 Heating & cooling system.
- 041 Fuel hoses and pipes.
- 045 Clutch operating mechanism (240 D only).

- 240D-300D**  
**230**  
**280-280C**  
**280S**  
**450-All**
- Check Fluid Level and Replenish**  
 (Check for leakage)
- 120 Automatic transmission.
  - 121 Manual transmission (240 D only).
  - 130 Rear axle.
  - 134 Power steering.
  - 350 Door hinges.
  - 465 Windshield washer system.
  - 484 Air conditioning.
  - 700 Brake system.
  - 788 Stromberg carburetor.
  - 800 Fuel injection pump (240 D only)
  - 821 Battery.
  - 990 Radiator.

- 240D-300D**  
**230**  
**280-280C**  
**280S**  
**450-All**
- Body and Chassis Lubrication**
- 393 Door locks.
  - 395 Hood.
  - 398 Parking brake linkage guide (in drive shaft tunnel.) \*450 SL/SLC only
  - 415 Engine control linkages, control shafts and cables (not required on control shafts with plastic bearings).
  - 492 Clean door seal flanges. Coat door seals with OREL or similar rubber treatment.
- 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.

## Section II : Electronic Engine Test and Engine Maintenance

- 240D-300D**  
**230**  
**280-280C**  
**280S**  
**450-All**
- Mechanical**
- 753 Adjust valve clearances.
  - 202 Clean filter element; replace every 25,000 miles (\*300 D only).
  - 205 Clean Oil bath air cleaner and change oil. (240 D only).
  - 757 Check all drive belt tension and conditon.
  - 762 Clean flame arrester.
  - 770 Replace spark plugs.
  - 772 Check ignition timing and ignition change-over.
  - 785 Exhaust manifold heater flap. Check for free movement and free up as required (Engine M 115 only).

- 240D-300D**  
**230**  
**280-280C**  
**280S**  
**450-All**
- 773 Replace distributor points
  - 782 Check and adjust dwell angle, ignition timing and ignition changeover
  - 797 Check and adjust engine idle speed control
  - 798 Carburetor and injection engines: check idle adjustment with C.O. tester. Check throttle lift (carburetor engines).
  - 832 Analyze engine with oscilloscope
  - 895 Check alternator fastening bolt for tightness

## Section III : Safety Check

- 240D-300D**  
**230**  
**280-280C**  
**280S**  
**450-All**
- 025 Steering system: check play at steering wheel, in shaft coupling and in ball joints of tie rods and drag link. Check rubber boots for leak tightness.
  - 982 Tires: check tire tread wear and other tire damage.
  - 983 Wheels: remove and reinstall. Check wheel disc for condition. Check inner rim for dirt accumulation.
  - 987 Correct tire air pressure.

- 240D-300D**  
**230**  
**280-280C**  
**280S**  
**450-All**
- 009 Parking brake. Check brake cable action.
  - 703 Brake calipers: check for leakage and piston action, check condition of dust shield.
  - 707 Brake pads: remove, clean, check and replace if necessary.
  - 708 Brake discs: Clean ventilating passages.
  - 709 Brake discs: Check for condition.

## Safety Check (continued)

240D-300D  
230  
280-280C  
280S  
450-All

- 706 Parking brake: re-adjust.
- 028 Front axle ball joints: check for condition and rubber boots for leak tightness.  
  Check ball joint for developed play.

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

- 924 Steering gear mounting screws (3).
- 988 Wheel bolts.

### Function Test

- 097 Brake test on test stand/road.
- 098 Road test or dynamometer
  - Clutch.
  - Manual transmission.
  - Automatic transmission.
  - Air conditioner.

240D-300D  
230  
280-280C  
280S  
450-All

- 099 Check function of:
  - Headlight, rear lights and stop light.
  - Directional signals: Hazard warning lights.
  - Windshield wiper, windshield washer.
  - Heating and ventilation.

### 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 25,000 Miles

240D-300D  
230  
280-280C  
280S  
450-All

- ### Oil Change
- 170 Automatic transmission oil change.
- ### Filter Replacement or Cleaning
- 174 Automatic transmission: replace filter element.
  - 612 Power steering: Replace filter element.
  - 813 Check throttle control linkage.
  - 840/847 Fuel filter: Check strainer, replace filter.
  - 844 Fuel pre-filter: check.
  - 845 Fuel main filter: Clean filter element and filter housing.
- ### Lubrication
- 388 Front wheel grease caps: clean and refill with new grease.
  - 704 Check oil level in vacuum pump.

240D-300D  
230  
280-280C  
280S  
450-All

- ### 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
- 030 Check propeller shaft joint discs for wear or damage.
  - 501 Check clutch lining thickness (manual transmission only). (240 D only).
  - 625 Check front wheel toe-in.
- ### Engine
- 767 Replace catalyst some time after 50,000 miles if required; Engine M 115 at 25,000 miles and after 50,000 miles if required.
  - 787 Check start of delivery once after 25,000 miles.

Date \_\_\_\_\_

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