

LUBRICATION AND MAINTENANCE CHART

NORMAL SERVICE

PSF Power Steering Reservoir—Check level. If fluid is cold, level should be at base of filler neck, if hot, level should be halfway up filler neck.

Battery—Check level and specific gravity.

EO Oil Filter Pipe Breather Cap—Wash in kerosene and lubricate with SAE 30 engine oil.

EO Engine Oil—Drain and refill. See viscosity chart below:

Multi-Grades

SAE 20W-40 Where temperatures are consistently above 32°F.

SAE 10W-30 Suitable for year long operation in many parts of the U.S.; may be used where temperatures occasionally drop as low as -10°F.

SAE 5W-20 Recommended where minimum temperatures consistently are below +10°F.

Single Grades

SAE 30 Where temperatures consistently are above 32°F.

SAE 10W Where temperatures range between +32°F. and -10°F.

HL Manual Steering Gear—Check level. Add lubricant, if necessary.

MP

MML Column-Mounted Manual Transmission Gearshift Controls—Apply film of lubricant to contact surfaces.

MML Column-Mounted Automatic Transmission or Controls—If boot is damaged, replace and AMG relubricate mechanism.

HTF Brake Master Cylinder—Check level. Fill if necessary.

MML Front Suspension Ball Joints—Inspect seals for damage. Replace if necessary.

MML Steering Linkage Ball Joints—Inspect seals for damage, replace if damaged or worn.

MML or AMG Clutch Torque Shaft.

MML Clutch Drive Lugs, Release Bearing Sleeve, or Fork Fingers and Pivot.

EO Floor Mounted Manual Transmission Gearshift Mechanism—Lubricate mechanism from under car with light with SAE 30

EO Floor Mounted Automatic Transmission Controls—Lubricate with SAE 30 after removing console top trim panel.

AA Manual Transmission—Check level, maintain to filler hole.

UJ Universal Joints—Inspect seals for leakage. Inspect joints parts for wear.

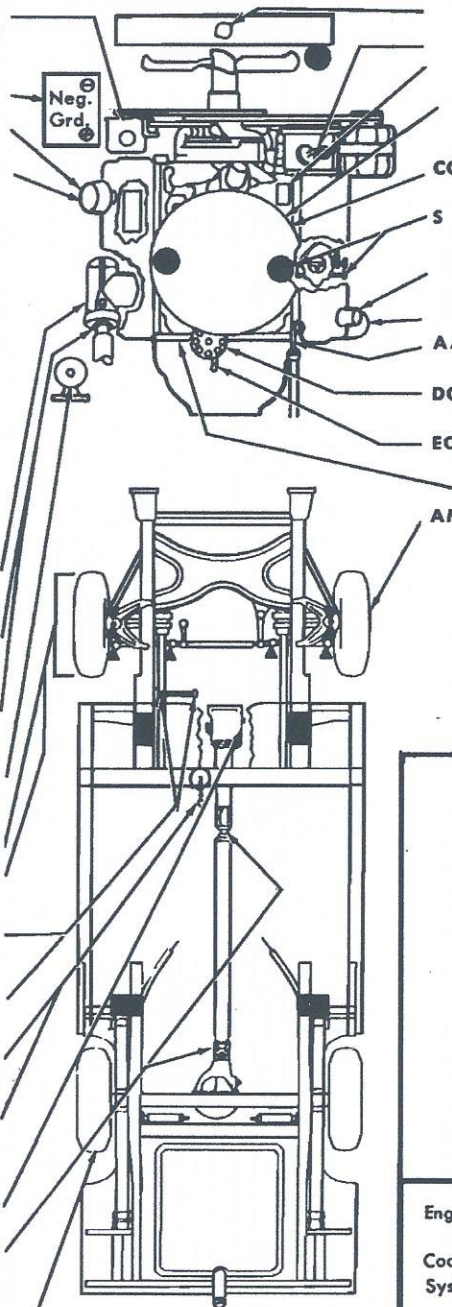
HL Rear Axle and Sure-Grip—Check level. Maintain level to filler hole.

MP #See Crankcase Ventilation System Servicing.

TIRE PRESSURES (PSI) (COLD)

Size		Front	Rear
7.00x13	AV-2 except Sta. Wag.	24	22
7.00x13	AV-2 Station Wagon	22	24*
7.00x13	AV-2 Barracuda	24	24
7.35x14	AR-2	24	22
7.75x14	AR-2 Station Wagon	24	26*
7.75x14	ARO-2 except Station Wagon	24	22
7.75x14	AP-2	24	22
8.25x14	AP-2 with "B" engine	24	22
8.55x14	AP-2 and/or air conditioning Station Wagons	22	26*

*Increase rear tire pressure 6 psi on loaded Station Wagons.



- Position for lift adapter
- ▲ Prepacked bearing
- Cooling system drain

PLYMOUTH V-8

NK574

Fig. 2—Lubrication System (V-8 Models)

Engine Coolant—Check level and/or anti-freeze.

Engine Oil Dipstick—When refueling, check Carburetor Fuel Filter—Replace with new filter.

Carburetor Air Cleaner—Paper Element Type—Clean or replace. Oil Bath Type—Clean and refill with SAE 30 Engine Oil.

Carburetor Choke Shaft and Linkage—Apply solvent to choke shaft ends through air horn.

Manifold Heat Control Valve—Treat shaft with solvent.

Crankcase Ventilation System—Test system and service, as required.

Engine Oil Filter—Replace with new filter.

Automatic Transmission—Check level with engine idling in neutral and thoroughly warm.

DCL Distributor Cam and Rubbing Block—Apply to cam and rubbing block.

EO Distributor Oil Cup and Cam Wick under Rotor block.

Engine Tune-Up

AMG Front Brake Assemblies and Wheel Bearings

Body Mechanism—See Body Maintenance Section

Deck Lid Hinges

Door Hinges

Door Striker Plates

Door Striker Rotor

Fuel Tank Filler Door

Hood Hinges

Tailgate Torsion Bar and Check Arm Guide Plate

Throttle Linkage

KEY TO LUBRICANTS

AA	Automatic Transmission Fluid, AQ-ATF, Suffix "A"	1843314
AMG	Automotive Multi-Purpose Grease	
CC	Carburetor Cleaner	
DCL	Cam Lubricant	1473595
EO	Engine Oil	
HTF	High Temperature Brake Fluid	2421352
HL	Hypoid Lubricant	1879414
ML	Lubriplate	1064768
MML	Multi-Mileage Lubricant	2525035
MP	Multi-Purpose Gear Lubricant	
PSF	Power Steering Fluid	2084329
S	Manifold Heat Control Valve Solvent	1879318
SL	Stainless Stick Lubricant	1064769
UJ	Universal Joint Grease	

CAPACITIES

Engine Oil	4 qts.
(Add 1 qt. when replacing filter)	
Cooling System	17 qts.
AV-2 Models	20 qts.
AR-2 AP-2 Models	16 qts.
(Add 1 qt. for heater)	
Rear Axle	2 pts.
AV-2 Models	4 pts.
AR-2 AP-2 Models	
Transmission	
TorqueFlite	
AV-2 Models	17 pts.
AR-2, AP-2 Models	19.5 pts.
Manual 3-Speed	
AV-2, AR-2, AP-2 Models	4.5 pts.
4-Speed	
AV-2 Models	7 pts.
AR-2, AP-2 Models	7.5 pts.
Fuel Tank	18 gals.
AV-2 Models	
AR-2 Models except Station Wagons	19 gals.
AR-2 Station Wagons	21 gals.
AP-2 Models except Station Wagons	25 gals.
AP-2 Station Wagons	22 gals.

the drain cock in the lower radiator tank. On 6-cylinder engines, remove the single drain plug in the right side of the engine and open the drain cock in the lower radiator tank. **Discard old solutions.**

Refill the cooling system with water and protect against corrosion by adding Cooling System Rust Resistor, Part Number 2421778, or refill with water and Permanent Type Anti-Freeze, Part Number 1316209, depending upon the season. All models are equipped with 180 degree thermostats. With this thermostat, only permanent type anti-freeze should be used. If an alcohol-type anti-freeze is used, a 160 degree thermostat should be installed.

CAUTION: The 180 degree thermostat must be used on cars equipped with air conditioning.

Except for AV-1, AV-2 models equipped with the recirculating type air conditioning unit, all vehicles equipped with air conditioning should have the cooling system protected with permanent type anti-freeze to a temperature of -15°F. to prevent freezing in the heater core.

In the winter, the cooling system of all vehicles equipped with air conditioning, should have sufficient anti-freeze to provide protection to the lowest anticipated temperature range.

FREQUENCY OF OIL CHANGES

The engine oil should be changed every three (3) months, or 4,000 miles, whichever comes first.

SEVERE OPERATING CONDITIONS, such as frequent driving on dusty roads, or in sandy geographic areas, or unusually short trip driving in cold weather may reasonably require oil changes more frequently than every three months. Under these conditions, consult and follow the advice of any Chrysler Motors Corporation Authorized Dealer's Service Manager.

TAXI AND POLICE DUTY, severe service such as taxi and city police driving, which are principally short trip operations including frequent and prolonged idling, require more frequent oil changes on a regular schedule. For this service, it is recommended that engine oil be changed at least every 2,000 miles, with filter changes at least every 2nd oil change. In addition, for this type of service, the crankcase ventilation system should be serviced at each oil change. A suggested practice for taxi and police operations is to maintain spare valves, installing a clean valve at each oil change. Valves so removed can be cleaned by soaking overnight in carburetor cleaner, followed by drying with compressed air.

During Break-in

Cars should be driven moderately during the first 300 miles. After the initial 50 miles, speeds up to 50 to 60 mph are desirable. While cruising, brief full-throttle accelerations contribute to a good break-in. Wide-open throttle accelerations in low gear can be

detrimental and should be avoided for at least 500 miles.

The oil installed in the engine at the factory is a high quality lubricant, classified "For Service MS," and **should be retained** until the first regularly scheduled three-month or 4,000-mile oil change, whichever comes first. If it becomes necessary to add oil during this initial period, an oil with the "For Service MS" classification and of the proper viscosity grade should be used. **Nondetergent or straight mineral oils must never be used.**

Frequently, a new engine will consume some oil during its first few thousand miles of operation. This should be considered as a normal part of the break-in and not to be interpreted as an indication of difficulty.

ENGINE OIL—SELECTION OF

For best performance, and to provide for maximum protection of all engines for all types of operation, only those lubricants should be selected which:

- (a) Conform to the requirements of the API classification "FOR SERVICE MS."
- (b) Have the proper SAE grade number for the expected temperature range.

Oil Viscosity Recommendations

Low viscosity oils make engine starting easier in cold weather. Modern SAE 5W-20 grade oils have been subjected to extensive engineering evaluation and may be safely used as recommended. As stated in the accompanying chart, when **minimum** temperatures are expected to be consistently below $+10^{\circ}\text{F.}$, oils of the SAE 5W-20 viscosity may be used.

Multi-Grades

- | | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| SAE 20W-40 | Where temperatures are consistently above $+32^{\circ}\text{F.}$ |
| SAE 10W-30 | Suitable for year long operation in many parts of the U.S.; may be used where temperatures occasionally drop as low as -10°F. |
| SAE 5W-20 | Recommended where minimum temperatures are consistently below $+10^{\circ}\text{F.}$ |

Single Grades

- | | |
|---------|------------------------------------------------------------------------------------|
| SAE 30 | Where temperatures are consistently above $+32^{\circ}\text{F.}$ |
| SAE 10W | Where temperatures range between $+32^{\circ}\text{F.}$ and -10°F. |

In order to help determine whether your region "consistently reaches minimum temperatures of $+10^{\circ}\text{F.}$," the accompanying weather map (Fig. 24) is provided. If your region is in the shaded area, SAE 5W-20 oil should be used during the winter months.

Lubricants which do not have both an SAE grade number and an MS Service classification on the container **should not be used.**