



Correct Lubrication for Oldsmobile "Eight" Model 45-B

Engine—2. Daily, or every 100 miles, pour fresh Zerolene No. 5 into crankcase through filler pipe until oil level gauge on crankcase registers "full." Avoid overfilling. Best results will be obtained if oil level is maintained between "half full" and "full" marks on gauge. To get a correct reading of the oil level gauge, the automobile should be approximately level and the engine not running. When engine is running, the oil pressure indicator on dash should show pressure which will vary with the speed and temperature of the engine. If no pressure is registered, the indication is lack of oil in crankcase, oil pump not working properly, or some obstruction or break in oil passages. The engine should immediately be stopped and the trouble located and remedied.

At regular intervals, as recommended by manufacturer, or, in the absence of such instructions, every 750 miles, the oil in the crankcase reservoir should be entirely renewed in the following manner: First, remove drain plug in bottom of crankcase, allowing all old oil to drain. This should preferably be done when engine is warm, as the old oil when heated will drain faster, and less of it will adhere to the inner surfaces of the crankcase. Next, replace drain plug and pour four quarts of Calor Finishing Oil into crankcase through filler pipe. Then start and operate the engine under its own power at a moderate idling speed for from one to two minutes, by which time all oil passages and inner surfaces will have been cleaned by the action of the flushing oil. Again remove drain plug and when certain that crankcase is thoroughly drained, replace plug and refill crankcase reservoir with fresh Zerolene oil as specified. Approximately five quarts of oil are required. When filling the reservoir through filler pipe, care should be taken that no dirt or other foreign matter is carried into the engine with the fresh oil.

Every 2000 miles it is advisable to remove the lower crankcase and clean the oil strainer surrounding the oil pump suction pipe.

Clutch. If the clutch is slipping because of greasy or gummy condition of the leather, it should be thoroughly flushed with Pearl Oil (kerosene). With the engine running, the clutch pedal should be worked back and forth to allow the kerosene to cut and dislodge this greasy deposit. A small quantity of Auto Leather Clutch Oil should then be applied to the leather. If the clutch is inclined to grab by reason of the leather being hard or dry, apply a little grease should never be used as a lubricant in either place.

Universal Joints—8-11. Every 500 miles remove grease plug in front and rear universal joints and with grease gun fill joints with Zerolene Cup Grease. These joints hold only a small amount of grease, and as they are constantly in action and transmit all driving power from the engine to rear axle, it is important that they be kept well lubricated.

Wheel Bearings—5-13-18-20. Every 2500 miles remove wheels and wash bearings and hubs thoroughly with Pearl Oil (kerosene). Repack bearings with fresh Zerolene Cup Grease and replace wheels, being careful to get proper adjustment on wheel bearings.

Spring Leaves. Every 500 miles, or whenever springs squeak, clean off all dirt and old oil and apply small quantity of Standard Household Lubricant along the edges of spring leaves. A small brush may be used for this purpose, or the oil applied by means of Standard Household Lubricant Handy Can with spout attached.

Grease Cups. When empty, grease cups should be filled with Zerolene Cup Grease. Daily, or every 100 miles, the grease cups on following parts should be turned down two complete turns: All spring bolts (9-7-10-11-16-22-27-31), cross steering rod pins (6-20).

Every 500 miles turn down grease cups on brake shafts (12-29).

General Lubrication. Every 500 miles use oil squirt can to apply several drops of Zerolene No. 5 to all joints and small working parts not otherwise provided with lubrication, such as brake rocker shafts (9-25), clutch and brake pedal shaft (24), spark and throttle controls, brake clevis pins, etc. Care should be taken that oil holes and passages are free from dirt so that clean oil may reach the bearing surfaces.

SCHEDULE OF LUBRICATION
Daily, or every 100 miles: Engine; Spring Bolts; Cross Steering Rod Pins.
Every 500 miles: Transmission; Rear Axle Housing; Electric Generator; Steering Gear Housing; Steering Gear Drag Link; Steering knuckle Bolts; Universal Joints; Springs; Brake Shafts; Clutch and Brake Clevis Pins; Brake Clevis Pins; Distributor Drive Shaft.
Every 750 miles: Drain, flush and refill Engine Crankcase.
Every 2000 miles: Transmission; Rear Axle Housing; Wheel Bearings.
Note: When daily average temperature is below 45 degrees F., Zerolene No. 3 should be used instead of Zerolene No. 5.

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SUNDAY NIGHT

at 7:45 o'clock

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St. Mark's Episcopal Church

Sunday school every Sunday at 9:45 o'clock. Morning service will be conducted by the men of the church every Sunday morning at 11 o'clock. The service will include an address and the usual music.

Watkins Products for sale by V. A. Rower, 25 E. Eugene St., Tel. 3384. Bfd

Christian and Missionary Alliance

A piano has been purchased by the church. The revival meeting with Rev. Moon and Rev. Kirk in charge, continue successfully. Many persons are showing a profound interest. The attendance is good.

Get the habit of ordering Blended Purity Flour made at home. o27f

Frank A. Knapp Passes

The body of Frank A. Knapp, pioneer Portland real estate dealer, who died Monday night at the home of his stepdaughter, Mrs. Carroll M. Hurlburt, was taken to Portland Tuesday. Cremation followed private funeral services yesterday.

Mr. Knapp, who was 69 years old, came here several weeks ago to make

his home, following the death of his wife, Mrs. Hurlburt's mother.

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150 JOIN MOTOR VEHICLE ASSOCIATION

Marion Nesbit, temporary secretary of the local affiliation of the Motor Vehicle League of Oregon, says that the organization has a membership of 150 here and others are joining. The recently adopted license laws and provisions for a heavy bond on motor truck owners, according to local sentiment, placed an exorbitant burden on motor truck operators in general. Orchards, many of whom own such vehicles, utilized in the transportation of their fruit crops, declare that the law will prohibit them from operating their own vehicles, many of which are old passenger cars converted into truck services.

Mr. Nesbit says that numerous local truck owners are withholding application for 1922 licenses until they secure more definite information on the new laws. Because of the involved technicalities, Mr. Nesbit says, many of the local truck men who have already applied for licenses for the current year, have had their applications returned.

Parkdale Chooses Orators

In preliminary tryouts at the Parkdale high school, the following students have been selected to participate in a contest for the selection of a boy and girl to represent the school in the annual county oratorical meet here in May: Helen Aubert, Isabelle Craven, Alma Rogers, Beaufort Doggett, Clarence and Oscar Magnuson. The final contest will be held before the public March 3.

The county oratorical contest was inaugurated last year by County School Superintendent Gilson, who had the cooperation of the Woman's club.

Winans Suggests Stone Arch

W. R. Winans has offered to donate material for a stone arch bridge over the east fork of Hood river at a site about a quarter of a mile from the Devil's Punch Bowl. Mr. Winans, who says a quarry of excellent building stone is available at the very scene of the structure, thinks the stone bridge can be built cheaper than a wooden span as now proposed by the county court.

An old wooden span, built in 1912, has been condemned as dangerous.

Mild "Flu" Hits Town

While no cases have resulted in serious consequences, an epidemic of mild influenza has Hood River in its grip. Members of the working force of 90 per cent of the Hood River business houses were absent from duty Monday. Many children are afflicted.

County Health Officer Edgington, while he urges all affected to remain at home in bed, if possible, says no quarantine steps will be taken.

Riverside Church

A comradeship of worship and service Sunday school—9:45 a. m.
Morning worship—11 a. m.
Young peoples meeting—7 p. m.
Sunday Evening club—7:45, 1st and 3rd Sundays November to March inclusive.
Midweek Bible Lecture Thursday evening at 7:30.
Other meetings subject to special announcement.

Shop that auto leak with Murphy Top Dressing. Braakman's Paint Store. d8f

FUEL IS HANDLED BY BIG BUNKERS

The installation of big bunkers, which hold a total of 500 tons of coal enables the Taft Transfer Co. to handle fuel with a maximum of economy. Coal cars which carry 50 tons of coal are now switched on a trestle track, where they are unloaded in a maximum of an hour and a half. Cars have been unloaded in 10 minutes. Formerly, utilizing old hand methods, two men required two days to remove the fuel. The coal is loaded out from the big bunker onto trucks or wagons by gravity. This results in a saving. The installation of the labor saving devices enables the Taft company to supply its patrons with the smallest possible cost.

The Taft company, utilizing its big storage building east of Hood river on the wharf road, is able to buy feed in such quantities as to effect a saving that is passed to consumers.

"We are endeavoring to so conduct our business, says L. E. Taft, "as to eliminate all possible expenses. Our saving will be effected and passed on as much as possible for the benefit of our customers."

Christian Church

Next Sunday is "Whole Family Day" in the Bible school. The program for the day is 125 percent. Special numbers preaching at 11 a. m. Topic, "The Christian Way." Christian Endeavor at 6:30. Eunice McDonald, leader. The delegate to the state convention will report. Union service at M. E. church at 7:45 p. m.
J. C. Hanna, Pastor.

The Baptist Church

Sunday school opens at 10 a. m. Preaching service at 11 a. m. subject "How to do it." What? Come and hear. B. Y. P. U. at 6:30 p. m. There will be no evening service as the church will unite with other churches in the Anti-Saloon League meeting at the M. E. church. Prayer meeting Wednesday at 7:30.
C. R. Delepine, Pastor.

First Church of Christ, Scientist

Services will be held in Church Building, 9th and Eugene, Sunday, 11:00 a. m. Subject: Jesus Christ.
Sunday school at 11 a. m.
Wednesday service, 8 p. m.
The reading room is open daily from 3 to 5 p. m., in the Church.

Immanuel Lutheran Church

9th & State
Regular services at 10:45 a. m. Sunday school, 9:45 a. m. Y. P. S. meets Friday at 8 p. m. Ladies Aid meetings the first Thursday of each month.
P. Hilgenford, Pastor.
1219 Columbia St. Tel. 1613

Seventh Day Adventist Church

Corner 15th and C streets
Sabbath school Saturday 10 a. m. Preaching service 11:15 a. m. Prayer meeting, Wednesday 7:45 p. m. All are welcome.

St. Mary's Catholic Church

Services Sunday morning are as follows: Low Mass, 8 o'clock; High Mass, 10:30 o'clock. Instruction for the children at 9 o'clock, each Saturday morning.



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34.25 34 x 4	27.25

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