

the universal joint is oiled occasionally, as before stated, the grease will last several months without renewal.

The second universal joint is provided at the drive pinion nut of the drive shaft. This should be lubricated with a light grease as follows: Lift up hinged foot boards in front of rear seat. The universal cross is hollow and will hold about a teacup full of light grease. To supply same fill grease cup and screw down one turn daily.

Keep All Grease Cups Well Filled

Be sure all grease cups are always well filled, and be careful to screw down one turn every day.

To Oil the Magneto

On each end of the magneto and on top, under shutter, on Mercury Model are two very small holes. The one on the outside is easily seen; the one next to the engine is hard to find, and for this reason it should not be overlooked. A magneto runs on ball bearings and requires a very little oil. Two drops every thousand miles being ample. Under no circumstances must any portion of the magneto be oiled except as above described. In fact, with these two exceptions, oil and grease must be kept away from the magneto and it should be wiped off frequently with clean waste and kept perfectly dry and free from grease.

Front Wheels

The brass caps on the front wheels are filled with a heavy grease. Once a season the wheels should be taken off, the bearings thoroughly cleaned and packed with grease before screwing back into place. The front wheel bearings, when they leave the factory, are carefully packed with grease, and being ball bearings, should run a long time without attention. It is a delicate matter to adjust these wheels properly when once removed, and we suggest that unless you are familiar with this that you have some competent repair man do it. However, anyone can take off the brass cap and fill it with grease, which is all the attention the wheels require for at least four months.

The above instructions fully cover the essential features. The following parts, however, should be oiled with an oil can: The push rods in the engine case should be given two or three drops daily. The steering knuckles on front axle and also steering connecting rod should be given two or three drops daily. These parts are fitted with suitable oil cups to facilitate thorough oiling. The springs should be oiled with an ordinary hand oil can to prevent squeaking.

We are giving herewith oil charts, with keys, showing every place to be oiled or greased, and how often lubrication is necessary. The above instructions, coupled with these charts, should enable anyone to run any Maxwell model at its highest efficiency. If these instructions are faithfully followed, the car will give long and faithful service.

NOTE: While it is economical to use the same oil over and over again, month after month, it is good practice to drain off the oil tank and replenish with fresh oil once in awhile to promote the highest efficiency of lubrication in the oil.