

**EXCELSIOR MOTOR, MFG. & SUPPLY CO.**

Chicago, Ill., August 5th, 1929

**SERVICE BULLETIN****LUBRICATION OF HENDERSON INTAKE VALVES -**

Additional lubrication will naturally prolong the life of intake valve stems and guides of the new Henderson. This also should give snappier motor performance and quieter valve operation. To provide for this we are equipping the machines with grease cups into which the intake valve springs are installed. After testing a large number of greases we have found that "D.A.Lubricant #3" is the best adapted for this purpose. Accordingly we are prepared to furnish it in one pound cans at 50¢ net; three pound cans at 45¢ a pound net and five pound cans at 40¢ a pound net. This grease is heavy enough not to run over the motor when heated and yet it lubricates the valve stems properly.

The aluminum rocker arm cover should be removed every 500 miles or so and a supply of the grease should be worked down into the grease cups with a piece of wood, or it can be injected into the grease cups with a grease gun. We have endeavored to supply these grease cups for all machines which were not originally so equipped, and if you have any machines without them, let us know and we will supply the necessary cups free of charge.

The method of installing the cups is fairly obvious. After removing the intake valve caps and springs, the cups are dropped into the manifold around the valve stems and the springs and caps reinstalled. If necessary the intake valves can be held on their seats by means of a lever inserted through the spark plug hole. Before installing the cups, inspect the spring seat in the manifold to be sure there are no particles of scale or foreign matter which might prevent the grease cups from fitting squarely down on the spring seats.

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