

REFER TO THIS LETTER BY NUMBER

PACKARD MOTOR CAR COMPANY

DETROIT MICHIGAN

November 20, 1929.

To: PACKARD DISTRIBUTERS AND DEALERS**Subject: ANTI-FREEZE SOLUTIONS IN SEVENTH SERIES CARS**

TO BE NOTED AND INITIALED BY

It is inadvisable to use in any Seventh Series car an anti-freeze solution whose boiling point is lower than that of water.

Additional precautions have been taken in the present cars to make sure that the motors reach an efficient operating temperature. The thermostats open at 170° instead of 160° as heretofore, and the radiator shutters are equipped with return springs which tend to bring the shutters back to a closed position as the motor cools off. These springs overcome any tendency for the shutters to stick in the open position.

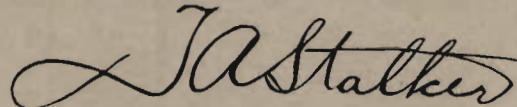
It will be found that even in cold weather our motors now operate at a temperature between 170° and 180°. This provides better performance, improves the condition of the crankcase oil and reduces the tendency toward sticky valves which is present in any motor operated at a low temperature.

It will be noted, however, that the normal operating temperature is at the boiling point of alcohol, and the use of alcohol, or any other solution which boils at a corresponding temperature must be discouraged. Our experience with the present model cars has already shown that it would be very unwise for us to make any change in the thermostat construction which would lower the motor temperature.

Please see that this letter is brought to the attention of all members of your organization who have any contact with your customers, because it is very important that they understand thoroughly the reason for our present design.

Yours very truly,

PACKARD MOTOR CAR COMPANY.



T. A. Stalker,
Manager Technical Department.

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