

PACKARD MOTOR CAR COMPANY
DETROIT · MICHIGAN

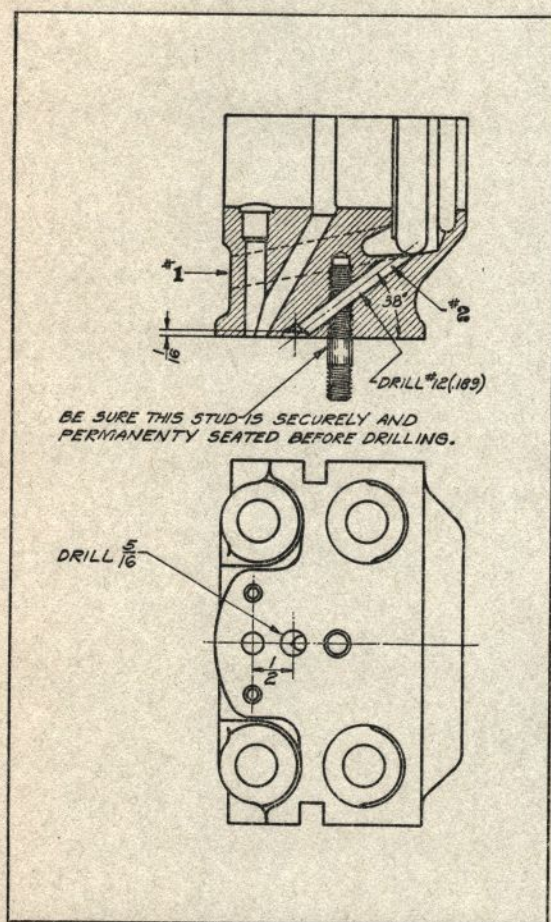
November 5, 1923

TO PACKARD DISTRIBUTERS

Subject, Motor Crankshaft Rear Bearing Oil Leak.

REFER TO THIS LETTER BY NUMBER

TO BE NOTED AND INITIALED BY



Gentlemen:—

Instances have recently been brought to our attention where the installation of the drain tube in the crankshaft rear main bearing cap, as outlined in Technical Letter No. 1747, has not entirely eliminated an oil leak at this point.

The illustration shows how it is possible to provide more drainage by drilling two additional drain holes. No. 1 shows the original drain hole in the cap, and a similar hole the same size ($\frac{3}{8}$ ") should be drilled in the same relative position on the other side of the web.

The other additional drain is shown by No. 2 and is a No. 12 hole drilled at an angle of 38°. The location and angle of this hole are very important—

First—Because if the upper end of the hole does not meet the bottom of the oil groove it will be of little value.

Second—Because the lower end of the hole must be in line with the center line of the cap and $\frac{1}{2}$ " from the center of the oil hole or the oil will not drain into the crankcase. (Study the illustration, which clearly shows the location of the hole).

All three drain holes should meet the oil groove at the lowest point. If any of the drain holes do not connect with the oil groove in this way the cap should be chipped out, so that it would be impossible for oil to stand in the groove.

It is not necessary to install the drain tube as mentioned in Technical Letter No. 1747 if the cap is provided with the three drain holes described above.

In every case where this work is performed, the camshaft rear bearing cover plate should be inspected to make certain that part of the loss of oil is not due to a leak at that point.

The stamping formerly used for the cover plate has been superseded by Piece No. 121680, which is a heavy cast iron plate and requires longer cap screws, Piece No. 7856.

Yours very truly,

PACKARD MOTOR CAR COMPANY.

H. N. Davock

H. N. DAVOCK,
Mgr. Technical Service Dept.