TO BE NOTED AND INITIALED BY

PACKARD MOTOR CAR COMPANY

DETROIT MICHIGAN

September 23, 1936.

To: Packard Distributers and Dealers

Subject: REAR AXLE HOUSING PACKARD SIX AND ONE TWENTY C

Gentlemen:

A rear axle housing of an improved design is now in use on the One Twenty C and the Packard Six.

The differential carrier assembly is enclosed in a metal stamping which seals the carrier against dirt and chips which may have lodged in the housing and which may otherwise damage the gears and bearings. The new housing can easily be identified upon inspection by the fact that the housing cover plate is welded to the "banjo" instead of bolted as in the past.

While the new housing can not be definitely identified by a certain motor number, it went into effect in the neighborhood of motor No. 102553 in the One Twenty C and No. 4942 in the Packard Six.

We have found that in the early housings of this design the oil had a tendency to work out of the center compartment surrounding the carrier by following the axle shafts through the felt wicks which seal the joint between the shafts and the compartment. A sufficient amount of oil may leave the compartment in this way to lower the level to a dangerous point.

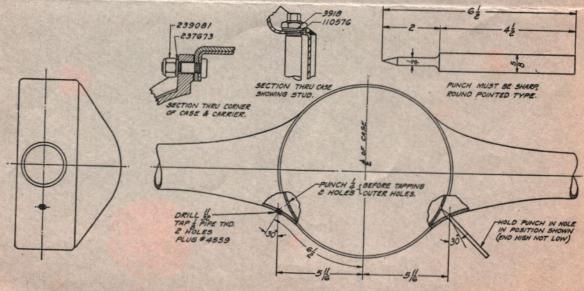
Oil return holes are now being punched in the stamping which forms the compartment. The illustration shows the return holes and the method by which the first housings can be corrected. The housing itself should be drilled and tapped for pipe plugs, but the inner stamping should be punched as indicated because this will prevent any metal chips from entering the inner compartment. The easiest way to locate the holes in the "banjo" is by measuring $6\frac{1}{2}$ " from the center line.

In addition to the above we have found some cases of oil leakage at the bolts which secure the differential carrier to the housing, and both the washers and the nuts should be changed. The new washer is a copper gasket identical with the gasket under the 10 m.m. spark plugs, and the nuts are a special self-locking design which will also prevent leakage. No lock washer is required. The old nut and lock washer should be discarded and replaced with—

8-No. 237673 Gaskets

8-No. 239081 Nuts

At the same time that the above work is done it will also be advisable to check the two throughbolts which project through the back cover, because leakage has also been detected at this point. We are now using a flat washer over the copper asbestos gasket, so that the tightening of the nut will not damage the gasket.



Any references herein, to future business, are made subject to the continuance of the existing agreement between the Manufacturer and the Distributer.

The changes outlined above took effect in the neighborhood of motor No. 103168 in the One Twenty C, and motor No. 6275 in the Six so that all cars in your territory equipped with the new axles and bearing lower motor numbers should immediately be brought up to date.

NOTE: We were able to change some of these housings at the factory, and when we did so a 1/2" letter "C" was stamped on the smooth bottom surface of the differential carrier.

Yours very truly,

PACKARD MOTOR CAR COMPANY.

T. A. STALKER,

Assistant Service Manager.

TAS:PA

PACKARD MOTOR CAR COMPANY

DETROIT MICHIGAN

September 23, 1936.

TO BE NOTED AND INITIALED BY		
TL-1983		
	A CONTRACTOR	

REFER TO THIS LETTER BY NUMBER

Technical Letter No. 19

To: Packard Distributers and Dealers

Subject: REAR AXLE HOUSING PACKARD SIX AND ONE TWENTY C

Gentlemen:

A rear axle housing of an improved design is now in use on the One Twenty C and the Packard Six.

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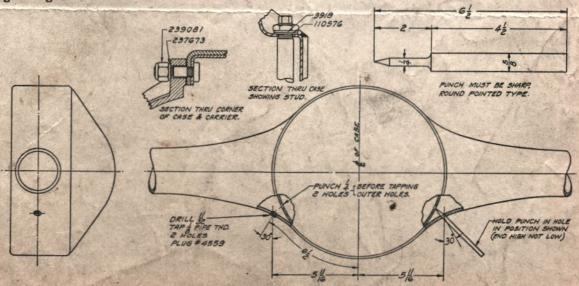
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Yours very truly,

PACKARD MOTOR CAR COMPANY.

aStalker

T. A. STALKER,

Assistant Service Manager.

TAS:PA



THE CITIZENS MOTOR CAR CO.

Dayton Branch
Ludlow and Franklin Streets
ADAMS 4106

Sept. 30, 1936

Home Office Cincinnati, Ohio

BUS HARGRAVE ED COOVER

Per technical letter # 1983 - the following are cars we must inspect and change if needed, as promptly as possible.

120 C	Tr. Cpe. Bus. Cpe. Tour. Sed. Tour. Sed.	Motor X-102586 Motor X-102740 Motor X-102666 Motor X-102877	Stock S. C. Brown John McShane Stock
115	Tour. Sed.	Motor T-5908	Stock
	Tour. Cpe.	Motor T-5381	R. Scheibenzuber

Ed Coover will immediately order:6 sets of # 237673 gaskets (48)
6 sets of # 239081 Nuts (48)

Sept. 30, 1956 WARRING CON Per technical lever - 1925 - the following are cers, we aman inspect and energy is needed, as probabily as possible. 120 C 12. Cmc. Motor -102566 120 C Bus. Cmc. Motor 4-12866 120 C Tour. Edd. Motor 4-12866 130 C Tour. Edd. Motor 4-12866 S. C. Drown John TeShane 115 Tour. Cod. . otor -5368 Htock a, Senethensuber Ed Cooven will immediately order:-6 Sets of 2 207673 cashets (48) 6 Sets of 2 20061 Fits (48)