

# PACKARD MOTOR CAR COMPANY

DETROIT MICHIGAN

August 16th, 1926.

To Packard Distributers and Dealers,

Subject:—Squeaks in Disc Wheels.

TO BE NOTED AND INITIALED BY	

Gentlemen:

Squeaks in disc wheels are almost always caused by the rubbing of the tire locking ring against the flange of the rim.

These squeaks may be due to any one of the following causes:

1. High spots on the ring, particularly at the ends.
2. Incorrect curvature of the ring with respect to the rim.
3. Tire pressure below normal.

Please bear in mind that there should be no movement of the locking ring against the rim, because the squeak is caused by this movement, and if the locking ring seats firmly and evenly against the rim over its entire circumference, it cannot move and will not squeak.

Squeaks are sometimes due to the fact that the ring has been distorted in changing the tire. If the ring has its normal curvature, the ends will overlap when it is removed, and unless they do overlap, the ring will not grip the rim snugly when it is installed. Care should always be taken not to distort the locking ring unnecessarily in changing the tire.

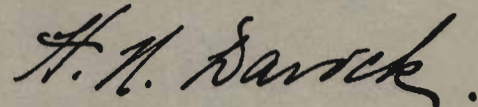
When a squeaking locking ring is removed bright spots will be found on its surface where it has rubbed against the rim, and by dressing down these high spots the bearing area of the ring against the rim will be increased. If the work is done so that a full bearing area is secured, the rim will not squeak. A lubricant such as flake graphite may be used when the locking ring is replaced, but it should be borne in mind that the use of such a lubricant is apt to be only a temporary measure, and that the real remedy lies in obtaining a good contact between the ring and the rim.

Squeaks are sometimes caused by low tire pressure. If the ring has a perfect bearing surface, it is unlikely to squeak, even if the pressure is low, but sometimes the fit of the ring will be such that it will not squeak with the pressure at the proper point, but will do so if the pressure falls below normal.

If you encounter any squeaking rings which you are unable to correct they may be replaced and the old ring returned to the Factory for credit.

Yours very truly,

PACKARD MOTOR CAR COMPANY,



H. N. DAVOCK,

Service Manager.

HND:MHP: