

# PACKARD MOTOR CAR COMPANY

DETROIT, MICHIGAN

TO BE NOTED AND INITIALED BY	

To PACKARD DISTRIBUTERS AND DEALERS

December 9, 1935

Subject GENERATOR OUTPUT

Gentlemen:

You have undoubtedly noticed that the generator in the 120B cars which you have recently received is capable of a higher output than that of the earlier cars.

This change took effect shortly after the beginning of the 120B production and provides a further factor of safety in those cases where the current consumption is unusually high or where the operating conditions are such that the generator seldom has the opportunity to charge the battery.

The measures outlined in Technical Letter No. 1971 will usually be sufficient to take care of any complaints on run down batteries, and the new generator developed by Electric Auto-Lite will provide a further step which may be taken in handling unusual cases. The earlier generators can be rebuilt, by any Auto-Lite service station, to the latest design, and we are attaching a copy of the Auto-Lite Service Bulletin identifying the different generators and describing the change in question.

The generator change-over should not be undertaken except in those cases where the running down of the battery continues in spite of the normal treatment. The early generator has an ample output for ordinary conditions, and the change-over would simply represent an unnecessary expense to the customer.

The price established by Electric Auto-Lite is very moderate, and we suggest that in those cases where the change is made you arrange the transaction with your customer on a no-profit basis. The cost should, however, be borne by the customer because the change is not required under normal operating conditions.

Very truly yours,

PACKARD MOTOR CAR COMPANY

*T. A. Stalker*

TAS:PA  
4(b x)2500

T. A. Stalker  
Assistant General Manager



# THE ELECTRIC AUTO-LITE COMPANY

TOLEDO, OHIO

Serial No. SPECIAL  
Date Nov. 22, 1935  
Pages 1 Page No 1  
Supersedes \_\_\_\_\_

## SERVICE LETTER

SUBJECT PACKARD GENERATORS

TO AUTO-LITE SERVICE STATIONS:

Early in the production of 1936 Packard Model 120B cars, generators were changed from type GAR-4611-5 to GAR-4611A-5. The only difference between these two generators was the pulley. The former generator used an SP-156 pulley which has a diameter of 4-3/4", while the latter generator used an SP-185 pulley which has a diameter of 3-1/2". These two units have been superseded by GBR-4601-5. The only difference between the GAR-4611A-5 and the GBR-4601-5 generators is the size of the wire and number of turns in the field coils, this change being from GAL-1005W to GBR-1005. The smaller pulley, SP-185, when used with the GAR-4611-5 generator provides earlier generator performance or higher outputs at lower car speeds. Changing the field coil assembly produces not only a higher peak but a sustained higher output at the higher generator or car speeds.

In addition to the instructions which you have received involving the changing of the generator drive pulley from SP-156 to SP-185, it may be desirable, in some few cases, to take advantage of the gain to be made by changing the field coil assembly.

It has been mutually agreed between the Packard Motor Car Company and ourselves that the field coil assembly change will be made by official Auto-Lite Service Stations on the following basis:

To replace GAL-1005W field coil assembly, turn  
and undercut the commutator if needed and  
install new brushes ..... \$ 3.75 net.

As the above quotation is predicated on an exchange of the field coil assembly only, any other new parts required (except brushes) will be charged for as extras. If the field coils or armature are burned beyond further use, the cost of replacing either or both will be added to the above quotation.

While it is doubtful if any of these generators will come to you with the former or large pulley (SP-156), under no circumstances should they be returned to service without having installed an SP-185 pulley. The change of pulley will be gratis, the SP-156 to be returned for credit, properly identified with the Warranty Service Report number.

Labor expended in removing units and replacing on the car shall also be a legitimate charge against either the car owner or dealer.

Very truly yours,  
THE ELECTRIC AUTO-LITE COMPANY.  
Parts & Service Division.

JAS:ED