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SERVICE BULLETIN # 1052

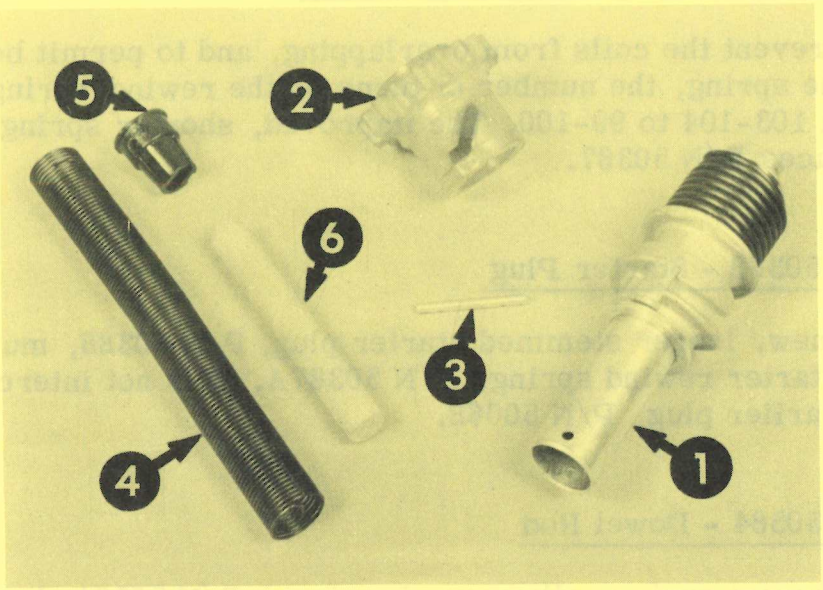
SUBJECT Starter Assembly

MODEL **MAC D30, D36** DATE 4/6/59

An improved starter assembly, comprised of both new and revised components, is now available for installation on the MAC D30 and D36 engines. This assembly provides a smoother performance of operation and will extend the service life of the starter.

The following parts are included in this new assembly:

	Part	Description
1.	50503	Modified Drum & Shaft Assembly
2.	50065C	Starter Pinion
3.	50119B	Starter Pinion Retaining Pin
4.	50387A	Starter Rewind Spring
5.	50388	Starter Plug
6.	50584	Dowel Rod
7.	50107A	Starter Cover Assembly



The related functions of the above listed parts should be considered because they affect interchangeability and replacement of parts as well as starter performance.

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P/N 50503 - Modified Drum & Shaft Assembly

Included in this new, more advanced starter drum and shaft assembly is a new torsion spring which greatly reduces shock-loading on the starter pinion during the starting cycle. This assembly replaces the starter drum, P/N 50010, and is not interchangeable.

P/N 50065C - Starter Pinion

A shorter ramp pinion was designed to conform with the new torsioned drum and shaft assembly. It is not interchangeable with the 50065B starter pinion and should not be used with the early starter drum, P/N 50010.

P/N 50119B - Starter Pinion Retaining Pin

A longer wearing retainer pin, P/N 50119B, replaces P/N 50119A and P/N 50119. Although these pins are interchangeable, it is recommended that the new pin be used when the 50065C pinion is installed.

P/N 50387A - Starter Rewind Spring

To prevent the coils from overlapping, and to permit better expansion of the spring, the number of turns on the rewind spring were reduced from 103-104 to 99-100. The improved, shorter spring, P/N 50387A, replaces P/N 50387.

P/N 50388 - Starter Plug

The new, longer stemmed starter plug, P/N 50388, must be used with the starter rewind spring, P/N 50387A. It is not interchangeable with the earlier plug, P/N 50068.

P/N 50584 - Dowel Rod

To prevent spring collapse, a dowel rod, P/N 50584, has been added to the starter rewind spring.

P/N 50107A - Starter Cover Assembly

To improve the function of the starter shaft, the starter cover assembly P/N 50107A, has undergone a die change. This new assembly replaces P/N 50107.

NOTE: It can be seen from the above information that some parts are not interchangeable with the parts they replace. Specifically, these are P/N's 50503, 50065C and 50388. In addition to this it should be remembered that the new drum and shaft assembly is used with the 50065C pinion. If the earlier drum and shaft, P/N 50010, is still being used, then the 50065B pinion should be installed.