McCULLOCH CORPORATION
SERVICE BULLETIN

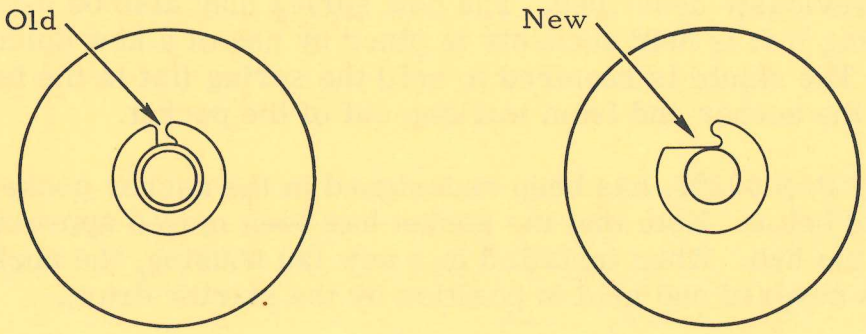
1477

MODEL: Power Mac 6

August 14, 1969

SUBJECT: NEW STARTER DRUM, STARTER SPRING, SPRING SHIELD AND FAN HOUSING

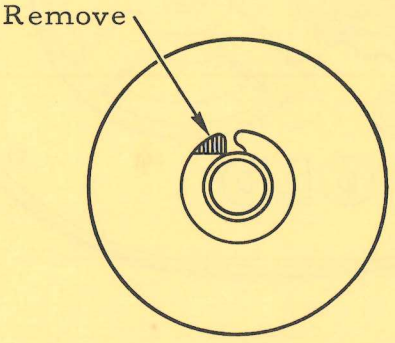
Starter Drum, P/N 83080, for the Power Mac 6 saw has a new hub design to allow release of the starter spring at the inner hook. The new drum allows smooth disengagement of spring from drum hub in the case of spring backlash which might occur if the starter rope breaks while the spring is under tension. The difference in the design of the new drum as compared with the old drum is shown in the figure below.



RATCHET SIDE VIEWS

New starter drums are made of both a black plastic material and magnesium. The magnesium drums sold under P/N 83080, are interchangeable with plastic drums but with one important provision - Starter Washer, P/N 68496, must be used with magnesium drums. The washer is not required with plastic drums.

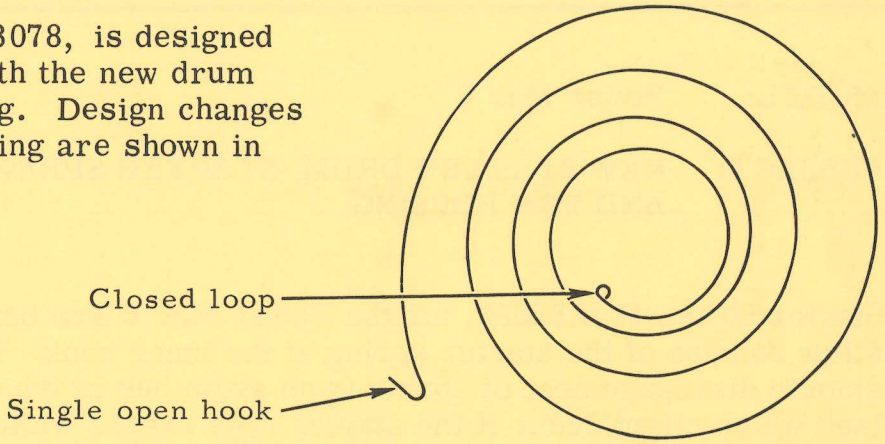
Old drums can be reworked to the new design by filing off a section of the hub as illustrated. CAUTION - Do not file into the drum bushing or distort the bushing.



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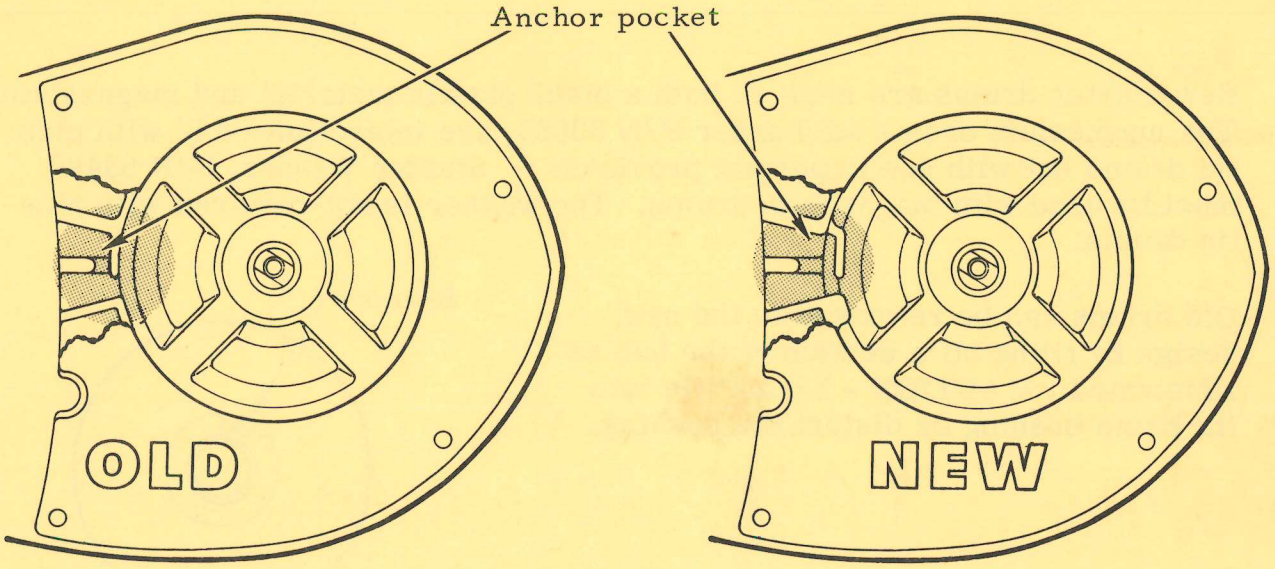
Starter Spring, P/N 83078, is designed specifically for use with the new drum and the new fan housing. Design changes at both ends of the spring are shown in the illustration.



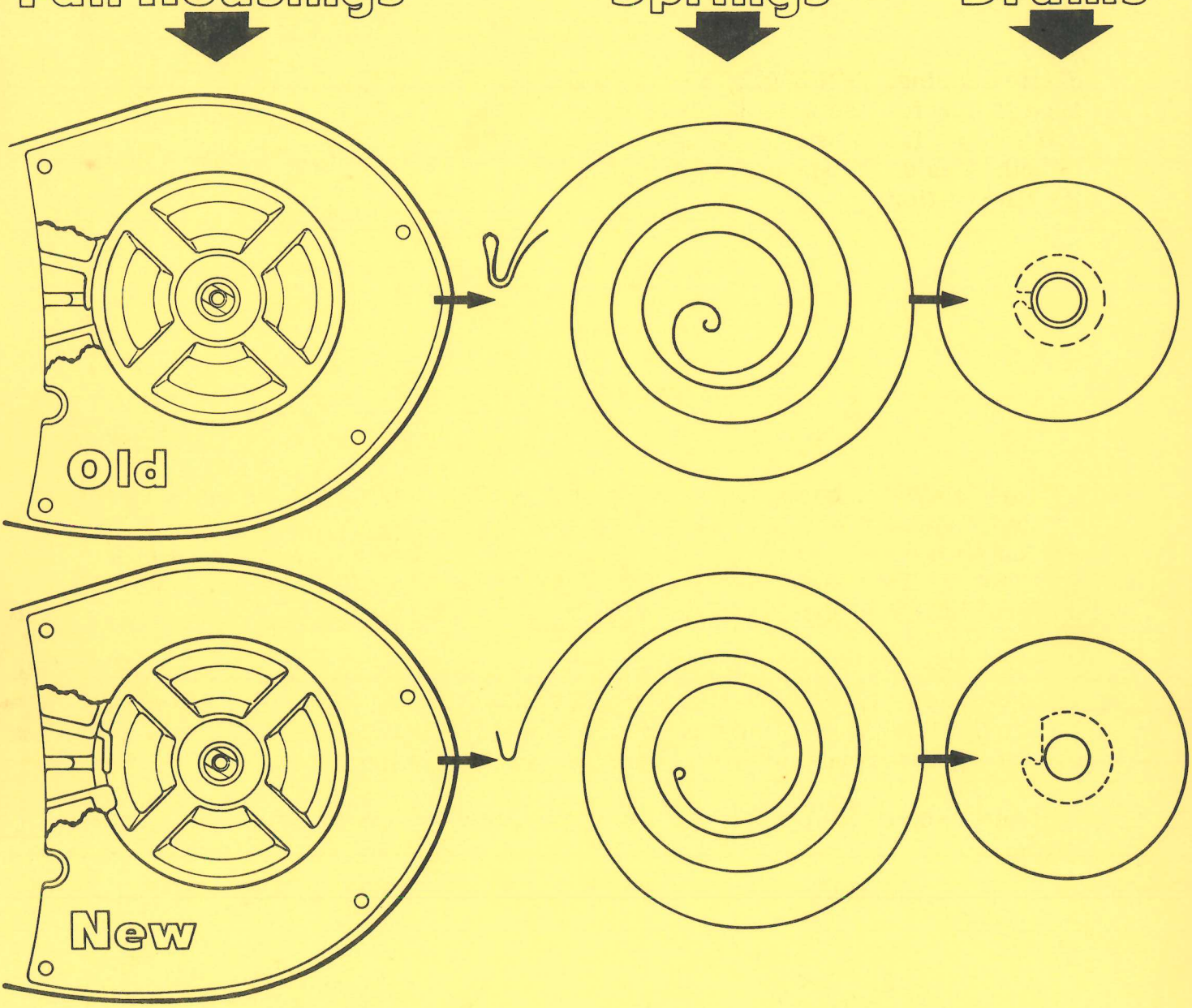
The new starter spring may be used with an old drum only if the drum is reworked as previously described. The new spring may also be used with an old fan housing if it is held securely in place by use of a new Spring Shield, P/N 68617. The shield is required to hold the spring flat in the fan housing and prevent the anchor end from working out of the pocket.

Fan Housing, P/N 83201, has been redesigned in the anchor pocket section as illustrated below. Note that the pocket has been moved approximately 1/8 inch toward the hub. When installed in a new fan housing, the anchor end of the spring is covered and held in position by the starter drum.

A comparison of the old and the new fan housing anchor pockets is illustrated below.



Interchangeability of fan housings, starter springs and drums is summarized in the diagram on the following page.



New Drum
Use with old or new spring, old or new fan housing
New Spring
Use with old fan housing only, with addition of shield
Use with old drum only if reworked
New Fan Housing
Use with old or new spring, old or new drum

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By Jack Carroll
Service Manager