McCULLOCH SERVICE BULLETIN

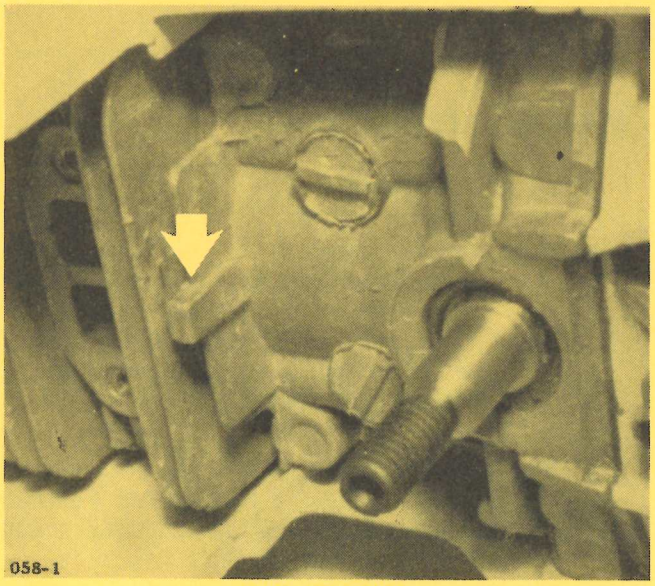
NO. 1611

MODEL 1. Power Mac 6 Series
2. SP 60, SP 70, and SP 81

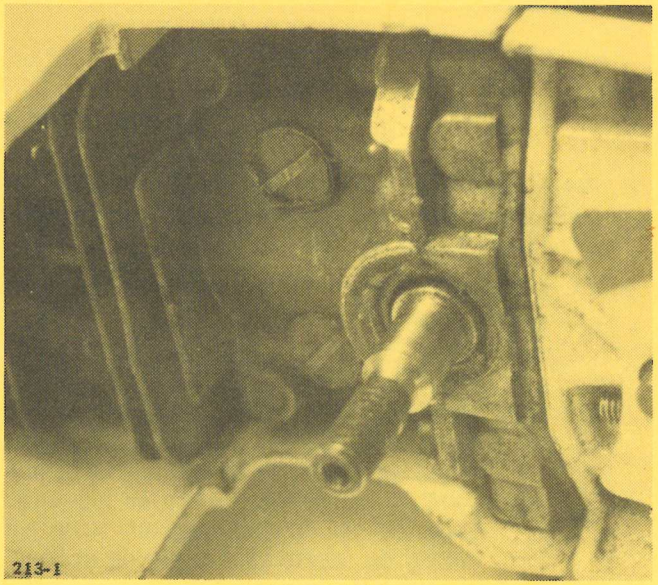
DATE July 22, 1976

SUBJECT 1. Crankcase Assemblies, P/N 83454A and P/N 83454.
2. Addendum, P/N 92849.

1. Power Mac 6 service replacement crankcase assemblies, P/N 83454A and P/N 83454, are not totally interchangeable. The usage of each depends upon whether or not replacement is made on a Power Mac 6 equipped with CHAIN BRAKE.



P/N 83454A



P/N 83454

As shown in the above photographs, Crankcase Assembly, P/N 83454A, has a boss to properly locate the CHAIN BRAKE housing. However, Crankcase Assembly, P/N 83454, does not have the boss which is needed to locate the CHAIN BRAKE. Therefore, it cannot be used on Power Mac 6 chain saws which have CHAIN BRAKE. It can only be used on models which do not have CHAIN BRAKE.

The following table identifies the differences between the two crankcase assemblies and identifies the conditions under which each may be used.

ITEM OF COMPARISON	83454A	83454
Has a boss to locate CHAIN BRAKE	YES	NO
Used on models with CHAIN BRAKE	YES	NO
Used on models without CHAIN BRAKE	YES	YES

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2. Addendum, P/N 92849, has been published in order to correct an error in the SP60, SP70, and SP81 Owner's Manual Supplement, P/N 91017. The error occurs in paragraphs B and C of instruction 6 in the section titled, "ADJUSTMENT OF CARBURETOR WITH HIGH SPEED FIXED JET" on page 5. Both paragraphs B and C refer to the HIGH SPEED MIXTURE NEEDLE. The reference should have been to the LOW SPEED MIXTURE NEEDLE.

To correct the error, simply replace the word HIGH with the word LOW as shown below.

ADJUSTMENT OF CARBURETOR WITH HIGH SPEED FIXED JET

1. Gently turn the LOW SPEED MIXTURE NEEDLE in (clockwise) until it seats, then turn the needle out (counterclockwise) one full turn.
2. Adjust the IDLE SPEED SCREW until the throttle plate is just slightly open.
3. Start the engine and let it warm up thoroughly at low speed.

   CAUTION: When making carburetor adjustments or testing the unit for full throttle operation, never run the engine at full throttle without a cutting load for more than a few moments. Excessive full throttle operation while not cutting can cause serious engine damage.

4. Accelerate the engine several times, adjusting the LOW SPEED MIXTURE NEEDLE to obtain a smooth, rapid acceleration without hesitation or falter. If the needle is turned in too far, the engine will hesitate or falter when accelerated. If the needle is turned out too far, the engine will run rough and smoke heavily when accelerated.
5. Adjust the IDLE SPEED SCREW so that the engine idles without any chain movement.
6. Check saw performance:

   CAUTION: Engine performance is determined by the cutting speed and ease of operation under load. Therefore, do not adjust the carburetor for maximum sound level as this is likely to result in a lean running condition which can cause engine damage.

   A. With the throttle wide open, make a test cut in a log. If the carburetor is properly adjusted and the chain is properly sharpened, the saw will cut quickly, smoothly, and with minimum operator effort.

   B. If the engine sounds rough and slows down in the cut, turn the ~~HIGH~~ LOW SPEED MIXTURE NEEDLE clockwise slightly to increase cutting speed and smoothness.

   C. If the saw has speed but lacks power to continue a smooth cut, turn the ~~HIGH~~ LOW SPEED MIXTURE NEEDLE counterclockwise slightly to increase power.

   NOTE: It may take several test cuts to arrive at the most satisfactory adjustment.

McCULLOCH CORPORATION
Product Service
Department