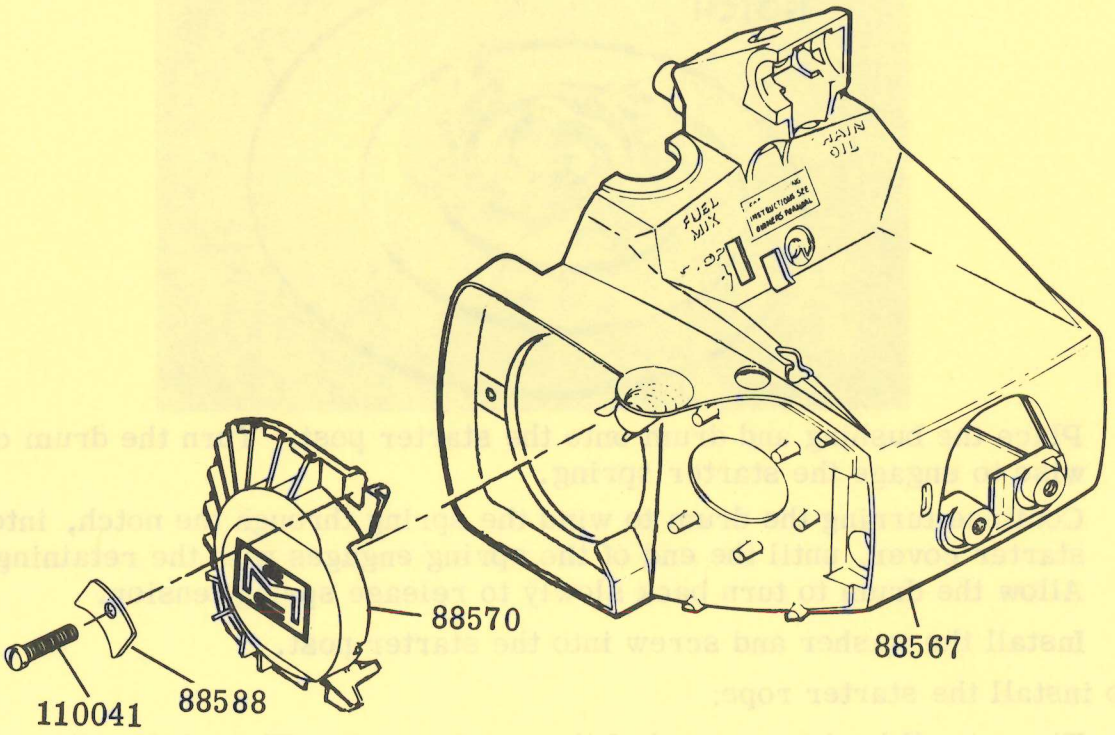
# McCULLOCH CORPORATION
# SERVICE BULLETIN

1545

MODEL: Mini-Mac Series Saws September 18, 1973

SUBJECT: MINI-MAC "E-Z FIX" STARTER

All Mini-Mac Series chain saws are now being manufactured with the new "E-Z Fix" starter. These saws use new Shroud, P/N 88567, Starter Cover, P/N 88570, three Screws, P/N 110041, and three Special Washers, P/N 88588.




This new fan housing configuration eliminates the need to remove the powerhead from the fan housing to service the starter. In addition, when the starter assembly is removed from the shroud, powerhead removal is greatly simplified. The new fan housing assembly will backfit onto all earlier Mini-Mac saws.

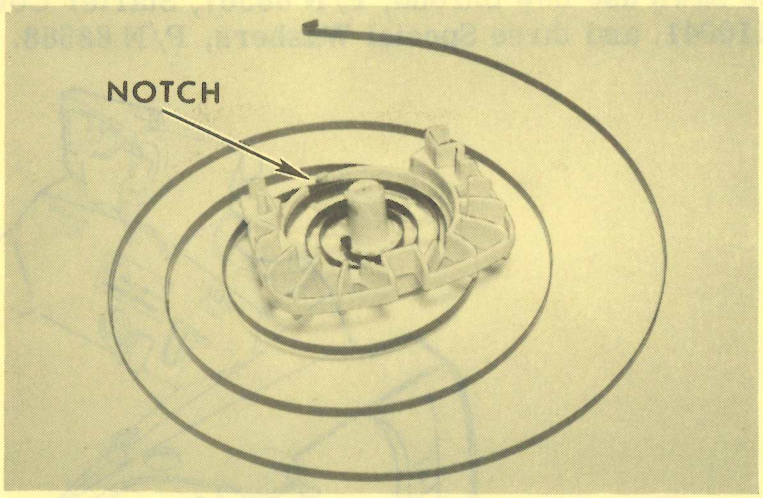
To service the new "E-Z Fix" Starter —

CAUTION: When performing any service on the starter, remember that the spring is under tension within the cover. Be careful that the spring does not jump out of its seat when the drum is removed.

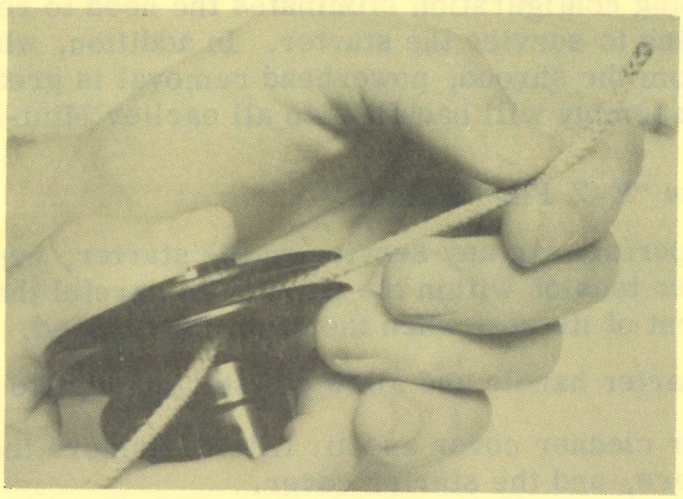
1. Remove the starter handle and allow the starter rope to slip into the starter.
2. Remove the air cleaner cover and air filter. Remove the three starter cover screws, washers, and the starter cover.

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3. Remove the starter rope (if necessary).
4. If servicing the starter spring, remove the starter drum screw and washer, drum, bushing, and starter spring.
5. To replace the starter spring:
   a. Place the four inner coils of the starter spring into the starter cover so that the spring spirals out counterclockwise. Make sure the spring is in the spring retaining notch.



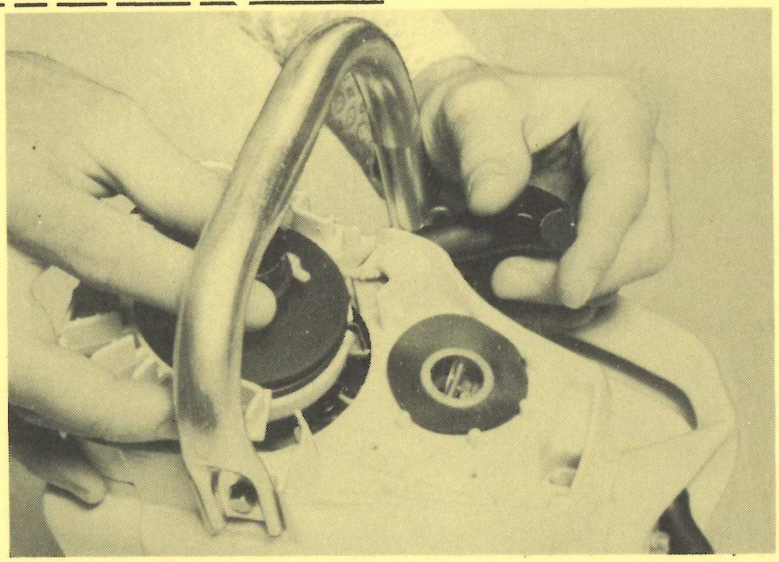

   b. Place the bushing and drum onto the starter post. Turn the drum clockwise to engage the starter spring.
   c. Continue turning the drum to wind the spring through the notch, into the starter cover, until the end of the spring engages with the retaining notch. Allow the drum to turn back slowly to release spring tension.
   d. Install the washer and screw into the starter post.
6. To install the starter rope:
   a. Tie a small knot in one end of the starter rope. Thread the other end through the hole in the starter drum to the inside of the drum.



NOTE: Of the rope only is being serviced, the starter drum need not be removed from the starter cover to install the new rope.

b. Use a small screwdriver or a pick to extract the rope. Thread it through the rope guide in the shroud and the handle. Knot the end of the rope.

7. Hold the starter cover upside down and turn the drum counterclockwise to wind as much of the rope as possible into the starter drum.



8. Take slack in the rope and position it in the notch in the starter drum. Wind the drum clockwise two times to apply spring tension on the rope.
9. Place the starter cover right side up onto the shroud. Engage the starter pawls by pulling the starter handle.
10. Install the three screws and washers using a torque of 35-40 in. lbs. Install the air filter and air cleaner cover.

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By Jack Carroll
Service Manager