McCULLOCH SERVICE BULLETIN

NO. 1660

MODEL Pro Mac 510 ZAMA CARB. C1 DATE February 6, 1978

SUBJECT Model Number 600018 (13-)

Pro Mac 510 chain saws now being manufactured are identified by Model Number 600018 and Serial Number Prefix 13-. The Illustrated Parts List for these models is P/N 94101. Your distributor should provide you with a copy of this IPL in the near future if he has not already done so.

The Pro Mac 510 (13-) has a new two-needle carburetor assembly, P/N 93767. This carburetor has a high speed needle which allows for more thorough adjustment. Service specifications on this carburetor are as follows.

Initial settings: Idle (low speed) mixture needle - seated, then 3/4 turn out.

High speed needle - seated, then 3/4 turn out.

Inlet lever - flush to -.010".

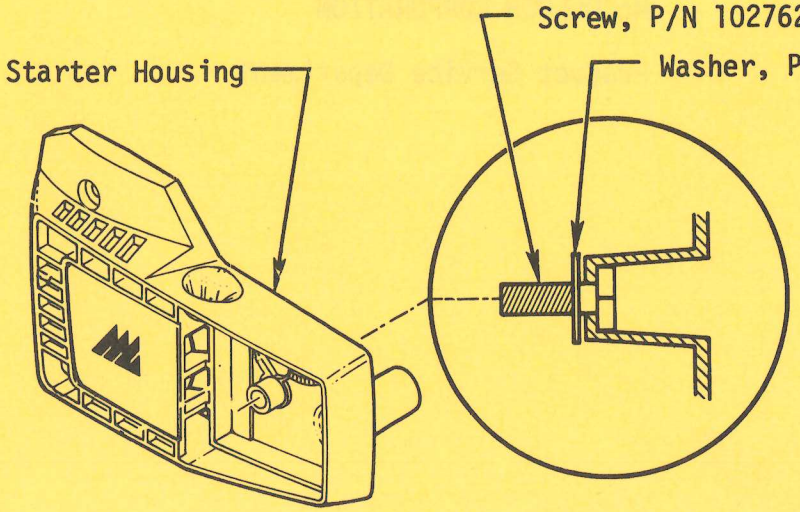
Carburetor assembly pressure test (to the inlet needle) - 5 PSI.

A throttle latch assembly is now included on the saw. The throttle latch is designed to hold the throttle partially open while starting the engine.

To prevent the possibility of distortion of the air box area which would prevent the choke from sealing properly (this can happen when the air cleaner cover is installed excessively tight), the following changes have been made to the unit.

1. The air cleaner cover now fastens onto screw, P/N 102762, and washer, P/N 103744. These parts are assembled in the starter housing assembly as illustrated.

   NOTE: Add washer, P/N 103744 to figure 4 in IPL, P/N 94101.



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2. The carburetor stud has been reduced in length to accommodate this change.

3. Starter housing gasket, P/N 94142, now consists of two materials, cork and foam. When installing this gasket, the foam side must face the starter housing.

Information concerning those parts used in the Pro Mac 510, model number 600018, serial number prefix 13-, which differs from the previous Pro Mac 510 IPL is presented in the following table.

IPL Location	Part Number	Description	Qty.	Mfg. Sugg. List Price	Stock Code
Fig 1	89051B	Shroud	1	15.90	C
"	93914	Shroud & Latch Asy	1	16.30	A
"	111007	. Rivet	1	.11	A
"	93912	. Spring - Throttle Latch	1	.80	A
"	94142	Gasket - Starter Housing	1	.15	A
"	93889	Plate - Name	1	.60	A
Fig 4	92120B	Starter Asy	1	10.60	A
"	89063B	Housing - Starter	1	5.00	A
"	102762	Screw-Hx hd 10-24 x 1/2	1	.16	A
"	103744	Washer - Sealing	1	.42	A
Fig 5	93017	Spark Plug	1	2.00	A
"	91961A	Fly Wheel & Pawl Asy	1	25.05	A
"	91872A	. Pawl - Starter	2	1.25	B
"	91441A	Cyl/C'case Asy	1	53.00	A
"	94143	. Stud	1	.60	A
Fig 6	91571A	Carburetor Asy	1	26.60	B
"	91571B	Carburetor Asy	1	26.60	A
"	93627	. Orifice - Main Fuel	1	2.40	A
	92751	Orifice - Main Fuel	N/A	2.40	A
	93628	Orifice - Main Fuel	N/A	2.40	A
Fig 7	93767	Carburetor Asy	1	24.00	A
"	94033	. Needle - High Speed	1	.75	A
	93950	. Orifice - Main Fuel	1	1.45	A

McCULLOCH CORPORATION

Product Service Department