McCULLOCH

SERVICE BULLETIN

NO. 1658

MODEL Various

DATE November 1, 1977

SUBJECT 1) Zama C-2 Carburetor Assembly, P/N 93789 (Pro Mac 850)
2) File-N-Joint Tools, P/N 61034 and P/N 93661
3) Oil Pump Body Assembly, P/N 83887 (1.8-2.3 cubic inch saws)
4) Piston Ring Set, P/N 92517

1. Pro Mac 850 chain saws are now being manufactured with Zama C-2 Carburetor Assembly, P/N 93789. This carburetor features a screw-in main jet valve assembly to facilitate service procedures. Service specifications on the Zama C-2 Carburetor are as follows:

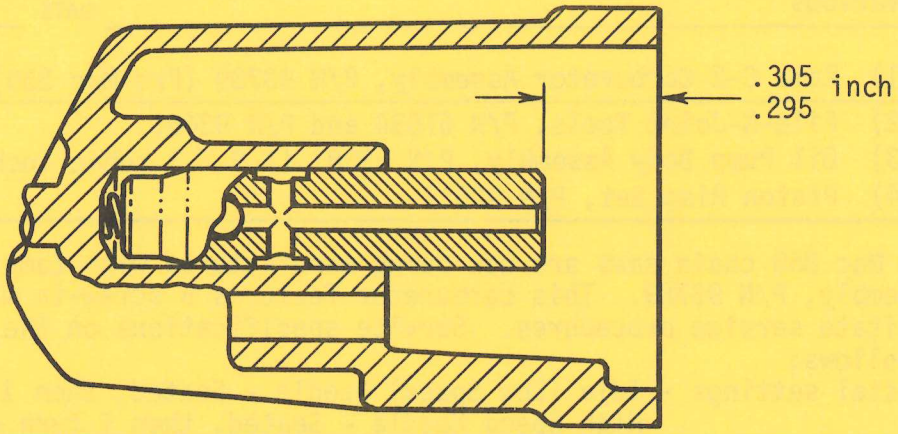
Initial settings - Idle (Low Speed) Needle - Seated, then 1 to 1-1/4 turns out.
High Speed Needle - Seated, then 1 turn out.
Inlet Lever - Measured flush to .010" from fuel chamber floor.
Carburetor Assembly Pressure Test (to the inlet needle) - 5 psi.

Pricing information on the Zama C-2 Carburetor is contained in the following table.

IPL LOCATION	PART NUMBER	DESCRIPTION	QTY.	MFG. SUGG. LIST PRICE	STOCK CODE
Figure 5	93789	Carburetor Asy. (Zama C-2)	1	32.20	A
"	93939	. Cover - Fuel pump	1	1.00	A
"	93952	. Kit - Pump diaphragm	1	.80	A
"	93953	. Valve - Choke	1	.50	A
"	93954	. Shaft Assembly - Choke	1	1.00	A
"	93955	. Spring - Choke shaft	1	.30	A
"	93956	. Ball - Choke friction	1	.10	A
"	93937	. Valve - Throttle	1	.40	A
"	93935	. Shaft Assembly - Throttle	1	1.00	A
"	93936	. Spring - Throttle return	1	.30	A
"	93938	. E-Ring	1	.20	A
"	93946	. Needle - High speed	1	1.30	A
"	93947	. Needle - Idle	1	1.30	A
"	93948	. Spring - Needle	2	.30	A
"	93945	. Screw - Diaphragm cover	4	.30	A
"	93944	. Cover - Diaphragm	1	1.00	A
"	93943	. Diaphragm Assembly - Main	1	2.00	A
"	93949	. Gasket - Main	1	.30	A
"	93941	. Lever - Inlet	1	1.20	A
"	93942	. Pin - Lever	1	.30	A
"	93940	. Spring - Lever	1	.30	A
"	93950	. Valve Assembly - Main jet	1	1.30	A
"	93951	. Plug - Welsh	1	.30	A
"	93957	Repair Kit	N/A	6.90	A

2. File-N-Joint Tool, P/N 93661, listed on page 14 of the Chains, Bars and Accessories Catalogue, ADV 190397, will not be available until the end of the year. However, File-N-Joint Tool, P/N 61034, is still available.

3. In order to insure proper oil flow through Pulse Pump Assembly, P/N 83886, the metal cylinder inside the pump body must be positioned correctly. The exposed end of the cylinder must be .295" to .305" from the open end of the pump body as illustrated. If the measurement exceeds these specifications, the oil flow from the automatic oiler will be blocked. The cylinder cannot be adjusted. If out of alignment, Pump Body Assembly, P/N 83887, must be ordered to replace the faulty body.



4. Ring Set, P/N 92517, is available for service replacement on Piston Assembly, P/N 89783A, used on Pro Mac 55 and Pro Mac 555 chain saws. This ring set is the only one which can be used on Piston Assembly, P/N 89783A. Please note this in your copies of the following IPL's: Pro Mac 55 IPL, P/N 92384A, Pro Mac 555 IPL's, P/N 93375 and P/N 93712.

McCULLOCH CORPORATION

Product Service Department