McCULLOCH SERVICE BULLETIN

NO. 1705

MODEL: PRO MAC 610 DATE: DECEMBER 1, 1980

SUBJECT: CARBURETOR ASSEMBLY, P/N 95763 (ZAMA C-2S)

Pro Mac 610 units are now being manufactured with Carburetor Assembly, P/N 95763 (Zama C-2S). Among the changes in this carburetor are:

- Plastic Disc, P/N 214944, attaches to the fuel control lever and performs the same function as the metal rivet normally attached to the fuel control diaphragm of most carburetors.
- A replaceable high speed jet that can be pressed out into the venturi.

Service settings for the Zama C-2S carburetor are:

Low Speed Needle:	Seated, then 1 turn out.
High Speed Needle:	Seated, then 1 turn out.
High Speed Jet:	Flush to fuel chamber floor.
Inlet Lever (Plastic Disc removed):	Flush to chamber floor (±) .005".
Pressure Test (To Inlet Lever):	5 psi.

SPECIAL FUEL HOSE INFORMATION

The standard 600 series Fuel Hose Assembly, P/N 94899, was not used with the initial run of PM 610's manufactured with the Zama carburetor. For a limited period, a 10 series fuel hose was used in its place. Because of dimensional differences between this substitute hose and standard 600 series hose, a special clamp was used to secure the hose to the fuel inlet.

Please note, however, that Fuel Hose Assembly, P/N 94899, is the only replacement fuel hose that can be ordered for use on Pro Mac 610/650 models using any carburetors. Also note that when the P/N 94899 hose is installed on units equipped with Zama carburetors, the special clamp used with the substitute hose is not required, and may be discarded. The clamp is not available as a service part. If a clamp is needed during a repair, a standard PM 600 series fuel hose assembly should be used in place of the substitute hose.

NOTE: Because of a difference in the location of the fuel inlet on the Zama carburetor, special routing of the P/N 94899 fuel hose is required. The hose should be routed under both the oiler and throttle rods, then over the throttle rod at the fuel inlet area (Figure 1). Please note that the hose should lay on the air box floor, and be certain that there are no kinks in the hose. There should be no contact with either rod by the fuel hose.

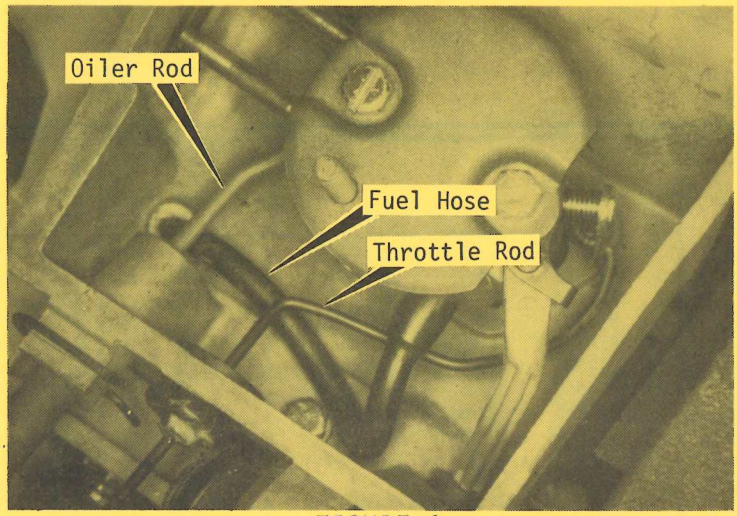


FIGURE 1
Fuel Hose Routing for Zama Carburetor

Printed in U.S.A.

I.P.L. CORRECTION: Please make the following correction to Illustrated Parts List, P/N 93716-R8:

Figure 4, Item 2, Pump Cover; change P/N 214945 to 214954.

Parts and pricing information on Carburetor Assembly, P/N 95763 (Zama C-2S) is contained below (Figure 2).

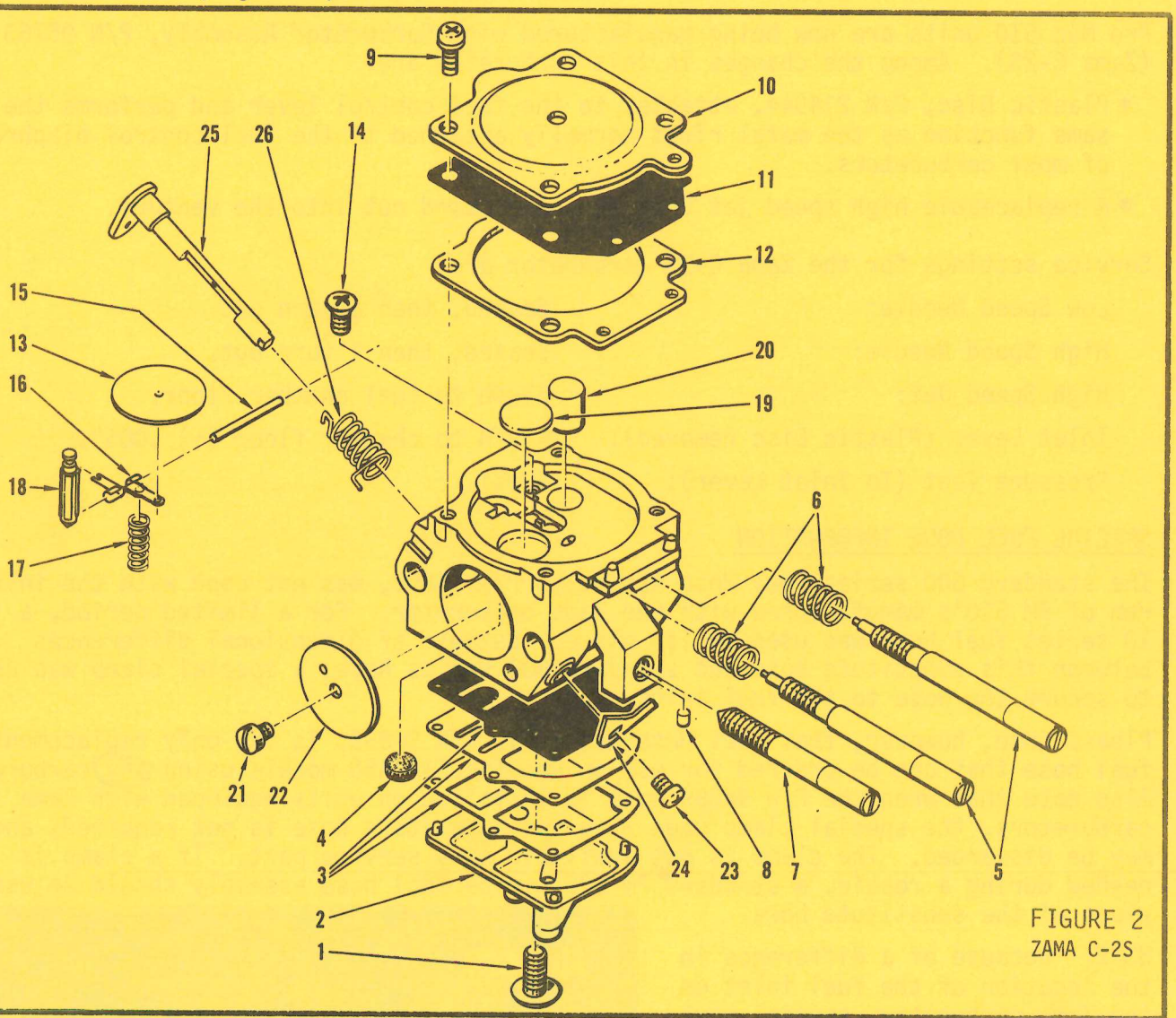


FIGURE 2
ZAMA C-2S

ITEM NO.	PART NUMBER	DESCRIPTION	UNITS PER ASY.	MFG. SUGG. LIST PRICE	STOCK CODE
	95763	Carb. Asy. (Zama C-2S)	1	$32.00	A
1	501311	. Screw - Pump cover	1	.20	B
2	214954	. Cover - Pump	1	2.57	B
3*	214953	. Kit - Pump diaphragm	1	3.85	B
4*	91820	. Screen - Filter	1	.60	B
5*	214955	. Screw - Adjustment	2	2.35	B
6*	214957	. Spring - Adj. screw	2	.75	B
7	214956	. Screw - Throttle adj.	1	1.30	B
8	214958	. Piece - Friction	1	.11	B
9	93945	. Screw - Diaphr. cover	4	.55	A
10	214945	. Cap	1	.97	B
11*	214943	. Diaphragm - Main	1	4.00	B
12*	93949	. Gasket - Main	1	.70	A
13*	214944	. Disk	1	.92	B

ITEM NO.	PART NUMBER	DESCRIPTION	UNITS PER ASY.	MFG. SUGG. LIST PRICE	STOCK CODE
14*	91814	. Screw - Pin lever	1	$ .35	A
15*	93942	. Pin - Arm	1	.70	A
16*	214947	. Arm - Needle valve	1	1.85	B
17*	214946	. Spring - Arm	1	.50	B
18*	91810	. Valve - Needle	1	3.40	A
19	93951	. Plug - Welsh	1	.55	B
20*	214942	. Orifice - Main fuel	1	2.18	B
21	91804	. Screw - Plate	1	.60	A
22	214950	. Valve - Throttle	1	1.40	B
23	214952	. Screw	1	.05	B
24	214951	. Lever - Throttle adj.	1	.45	B
25	214948	. Shaft Asy. - Throttle	1	4.12	B
26	214949	. Spring - Throt. return	1	.57	B
	214959	Repair Kit		19.50	B

* Contained in Repair Kit, P/N 214959.