McCULLOCH SERVICE BULLETIN

NO. 1694

MODEL Pro Mac 600 Series DATE October 1, 1979

SUBJECT Carburetor Changes/Improvements

Changes have been made to the carburetors used on Pro Mac 610/650 chain saws. These changes are designed to improve the acceleration characteristics of these units, particularly during operation in hot weather conditions.

Pro Mac 610 units were originally manufactured with Carburetor, P/N 93738 (Walbro HDB-1), and Pro Mac 650 units with Carburetor, P/N 93741 (HDB-2). These carburetors have been replaced in production by Carburetor, P/N 95261 (HDB-4), on Pro Mac 610 units, and Carburetor, P/N 95182 (HDB-5), on Pro Mac 650 units.

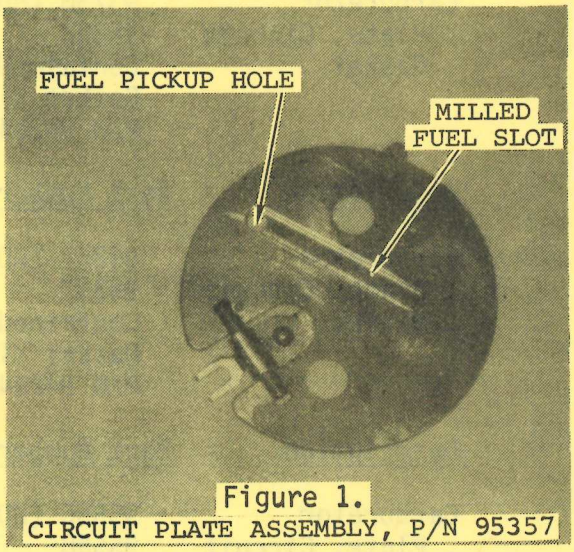


Figure 1.
CIRCUIT PLATE ASSEMBLY, P/N 95357

Both the P/N 95261 and P/N 95182 carburetors contain Circuit Plate Assembly, P/N 95357, which has a slot milled into the fuel chamber side (Figure 1). This slot allows relocation of the fuel pickup hole to the bottom of the chamber which assures that a steady supply of solid fuel will reach the high speed fuel system.

Circuit Plate Assembly, P/N 95357, will backfit on the P/N 93738 (HDB-1), and P/N 93741 (HDB-2) Carburetors. All orders for Circuit Plate Assembly, P/N 94298, originally used on these carburetors will be filled with the P/N 95357 Circuit Plate Assembly. The gasket for this circuit plate is contained in Gasket Kit, P/N 94284.

NOTE: The circuit plate gasket currently contained in Gasket Kit, P/N 94284, can only be used with Circuit Plate Assembly, P/N 95357, and not with Circuit Plate Assembly, P/N 94298. When ordering replacement gaskets for carburetors equipped with the P/N 94298 Circuit Plate, it will be necessary to replace this plate with Circuit Plate Assembly, P/N 95357.

Some units are now being manufactured with Carburetor, P/N 95556 (HDB-6), which has an extended fuel passage cast in the fuel chamber floor (Figure 2). This passage also aids in supplying solid fuel to the high speed fuel system and eliminates the necessity of a milled slot in the circuit plate.

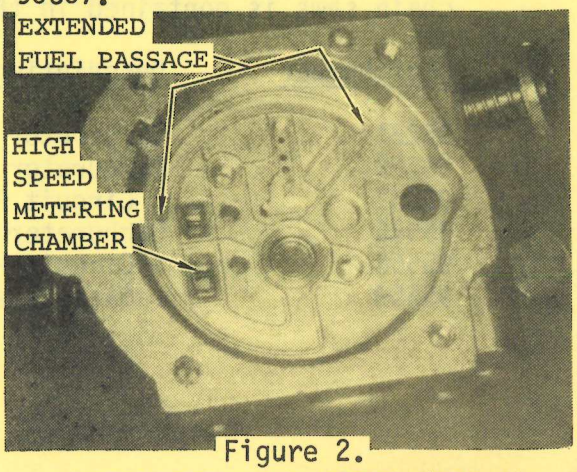


Figure 2.
CARBURETOR, P/N 95556 (HDB-6)

Circuit Plate Assembly, P/N 95558, and the gasket for this circuit plate (contained in Gasket Kit, P/N 95559) can only be used with the P/N 95556 Carburetor, and will not backfit on previous level HDB carburetors.

For easier reference to parts for each carburetor refer to the following table:

PM 610		PM 650	
Description	Part Number	Description	Part Number
Carburetor	93738 (HDB-1)	Carburetor	93741 (HDB-2)
. Plate, Circuit	95357	. Plate, Circuit	95357
. Gasket	Contained in Gasket Kit, P/N 94284*	. Gasket	Contained in Gasket Kit, P/N 94284*
Description	Part Number	Description	Part Number
Carburetor	95261 (HDB-4)	Carburetor	95182 (HDB-5)
. Plate, Circuit	95357	. Plate, Circuit	95357
. Gasket	Contained in Gasket Kit, P/N 94284	. Gasket	Contained in Gasket Kit, P/N 94284
Description	Part Number		
Carburetor	95556 (HDB-6)		
. Plate, Circuit	95558		
. Gasket	Contained in Gasket Kit, P/N 95559		

* When used on carburetors equipped with Circuit Plate Assembly, P/N 94298 (no slot) for these two carburetors, Circuit Plate Assembly, P/N 95357, must also be ordered and used as replacement.

Pricing information for carburetors currently used on Pro Mac 610/650 chain saws is contained in the following table:

Part Number	Description	Mfg. suggested list price	Stock code
95261	Carburetor (HDB-4)	24.00	A
95182	Carburetor (HDB-5)	25.75	A
95357	. Circuit Plate	3.50	B
95556	Carburetor (HDB-6)	25.40	C
95558	. Circuit Plate	2.80	C
95559	. Gasket Set	1.70	C