McCULLOCH

SERVICE BULLETIN # 1044

SUBJECT: CARBURETOR IMPROVEMENTS AND GASKETS.

MODEL S44A, S55A, MAC D30 and D36 DATE 12/9/58

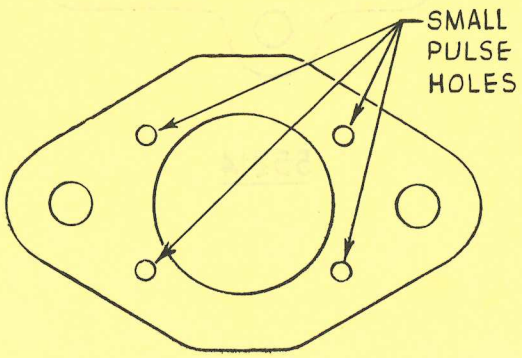
Since the McCulloch Carburetor Assemblies, P/N 55122 (S44A and S55A) and P/N 50070 were first introduced, extensive testing in both field and laboratory, showed that fuel pump efficiency could be increased by providing a greater pulse from the engine crankcase. To achieve this, we began by enlarging the pulse passages in the carburetor assemblies. These improved assemblies, P/N 55122A and P/N 50070A, are introduced on engines beginning as follows:

Engine Serial Number	Improved Carburetor Assembly
S44A-5271	P/N 55122A
S55A-3455	P/N 55122A
Mac D30-12867	P/N 50070A
D36-7388	P/N 50070A

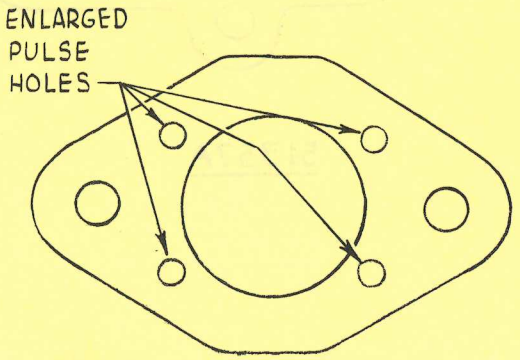
The second step in providing a greater pulse was to enlarge the pulse hole in the air box, P/N 50088 (Mac D30 and D36) and fuel tank bottom, P/N 51320C (S44A and S55A). The air box, P/N 50088, with the enlarged pulse hole, was introduced on engines D30-12867 and D36-7388. In the fuel tank bottom, P/N 51320C, as a temporary fix, a second pulse hole was drilled beside the original one. The tank bottom, P/N 51320C, with the double pulse hole, was introduced on engines beginning with serial numbers S44A-5271 and S55A-3455. Still later, as a permanent fix, a fuel tank bottom, P/N 51320C, was introduced on Model S44A and S55A engines with a single enlarged pulse hole.

To complete the provision for increased pulse, the carburetor adapter, P/N 51790B has also had its pulse passage enlarged, beginning with engines S44A-5622 and S55A-3455.

With all the above changes, gasket changes were required also. A new carburetor mounting gasket, P/N 50123A, with enlarged pulse holes, was provided for use with the improved carburetor assembly, P/N 50070A. This gasket can be used with earlier carburetor assemblies, P/N 50070, but the earlier carburetor gasket, P/N 50123, cannot be used with the later improved carburetor assembly, P/N 50070A.



50123 (EARLY)

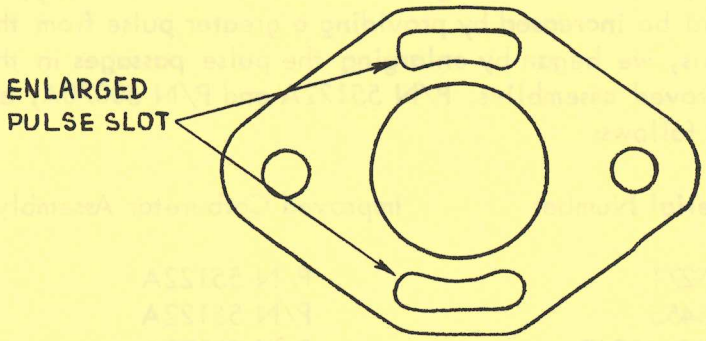


50123A (NEW)

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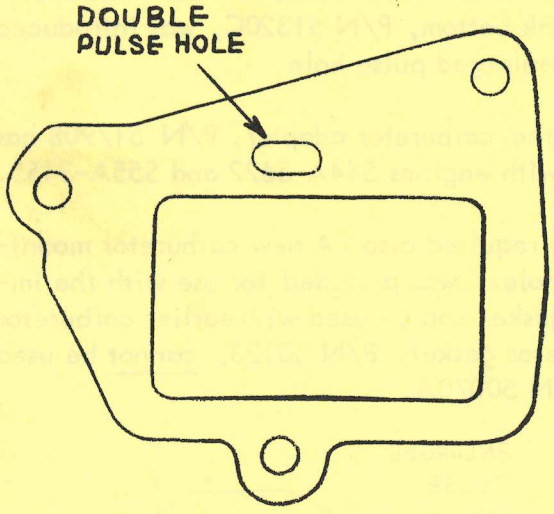
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A new carburetor mounting gasket, P/N 55252A, for use on S44A and S55A engines between the carburetor assembly and adapter, has enlarged pulse hole slots. This new gasket may be used with earlier carburetors, but the earlier gasket cannot be used with the improved carburetor.

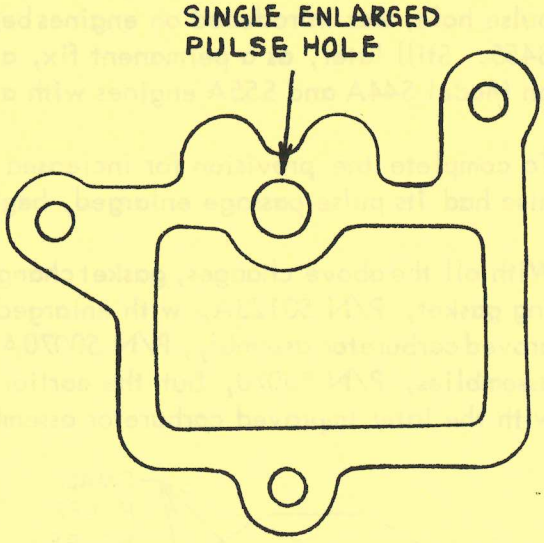


55252B

When the second pulse hole was drilled beside the first in the fuel tank bottom, P/N 51320C, an adapter to tank bottom gasket, P/N 51357A, with a slot-type hole was introduced. Still later, with the permanent fix of a single enlarged pulse hole, an adapter to tank bottom gasket, P/N 55214, with a corresponding single enlarged pulse hole, was introduced. These two adapter gaskets are not interchangeable and must be used with the correct fuel tank bottom.



51357A



55214