

MANDATORY



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FAA-PMA FACILITY #PQ111NM

Service Bulletin Fuel Systems

Bulletin No.: MSA-6
Date: 4/6/94

SUBJECT: IMPROVED RETAINING METHOD FOR MIXTURE CONTROL ASSEMBLIES ON EARLY MODEL HA-6 CARBURETORS

Note: This service bulletin supersedes and replaces Marvel Schebler Service Bulletin A1-78.

1. PLANNING INFORMATION:

A. EFFECTIVITY:

All early model HA-6 carburetors manufactured during or before 1978. The following carburetor part numbers are effected:

10-5092	10-5180	10-5189	10-5200
10-5200-1	10-5206	10-5206-1	10-5201-11
10-5210	10-5211	10-5211-1	10-5214
10-5215	10-5221	10-5227	

Note: Carburetors manufactured after 1978 are not effected by this service bulletin. These later model carburetors incorporated a design change that eliminated the need to install Retainer Clip, P/N 55-A239.

B. REASON:

There have been reported instances of excessive retention screw wear causing rough engine operation or engine power loss.

C. DESCRIPTION:

Retainer Clip, P/N 55-A239 must be installed on the effected carburetors to reduce end play and provide a secondary retention mechanism for the mixture control valve assembly.

D. COMPLIANCE:

Within the next 100 hours of operation or at the next annual inspection, whichever occurs first.

Note: The FAA has released a Notice of Proposed Rule Making, Docket No. 93-ANE-29, which proposes issuance of an Airworthiness Directive requiring installation of Retainer Clip, P/N 55-A239.

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E. APPROVAL:

Technical aspects FAA approved.

F. MANPOWER:

No additional time if accomplished during carburetor overhaul, approximately .5 hours if accomplished during annual inspection.

G. MATERIAL AVAILABILITY:

The following parts are required and are available from local distributors.

55-A239	Clip, Mixture Retainer
15-B395	Screw, Mixture Control Retainer
78-A292	Washer, Mixture Control Retainer

H. TOOLING:

Not affected.

I. REFERENCES:

Aircraft Carburetors & Parts Manual, Form #MSAFSM dated March 30, 1993.

J. WEIGHT AND BALANCE:

Not affected.

K. PUBLICATIONS AFFECTED:

None.

2. ACCOMPLISHMENT INSTRUCTIONS:

Note: It is not necessary to remove the carburetor from the aircraft to incorporate this service bulletin.

- A. Remove Retaining Screw, P/N 15-A1, from the casting (Figure 1).
- B. Install Retainer Clip, P/N 55-A239. (Figure 2).
- C. Install Washer, P/N 78-292 and Retaining Screw, P/N 15-B395. (Apply a light coat of silicone grease on the screw before installation.) Lockwire retaining screw in place with .020 lockwire (Figure 2).
- D. Adjust and verify proper operation of the carburetor in accordance with the applicable engine/airframe maintenance and operation manual(s).



