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EVERETT, WASHINGTON 98204
FAA-PMA FACILITY #PQ111NM

Service Bulletin Fuel Systems

Bulletin No.: MSA-10
Date: 1/19/96

SUBJECT: CASTING FLAW IN MA-4-5 THROTTLE BODIES

I. PLANNING INFORMATION:

A. EFFECTIVITY:

MA-4-5 carburetors listed below:

<u>Part Number</u>	<u>Serial Number</u>
10-3878	75037701 through 75051914
10-4164-1	75047101 through 75051509
10-4893-1	75043001 through 75050921
10-5193	75037001 through 75049719
10-5284	75039001 through 75050122

Note: The above carburetors have black Precision Airmotive data tags and were manufactured between March 1995 and December 1995

B. REASON:

Inspect for possible minor casting flaw in the top base flange of carburetor throttle body.

C. DESCRIPTION:

The factory has received two MA-4-5 carburetors from the field which have a minor casting flaw in the throttle body near the idle mixture screw and base flange (See Figure A). This casting flaw appears as a small surface crack which can be seen using a flashlight and the naked eye.

D. COMPLIANCE:

At next engine cowl removal, 100 hour inspection or annual inspection, which ever occurs first.

E. APPROVAL:

Technical aspects FAA approved.

F. MANPOWER:

Not affected.

G. MATERIAL AVAILABILITY:

Replacement carburetors are available from the factory. See paragraph 2. **ACCOMPLISHMENT INSTRUCTIONS** for instructions on obtaining a replacement carburetor.

H. TOOLING:

Not affected.

I. REFERENCES:

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

J. WEIGHT AND BALANCE:

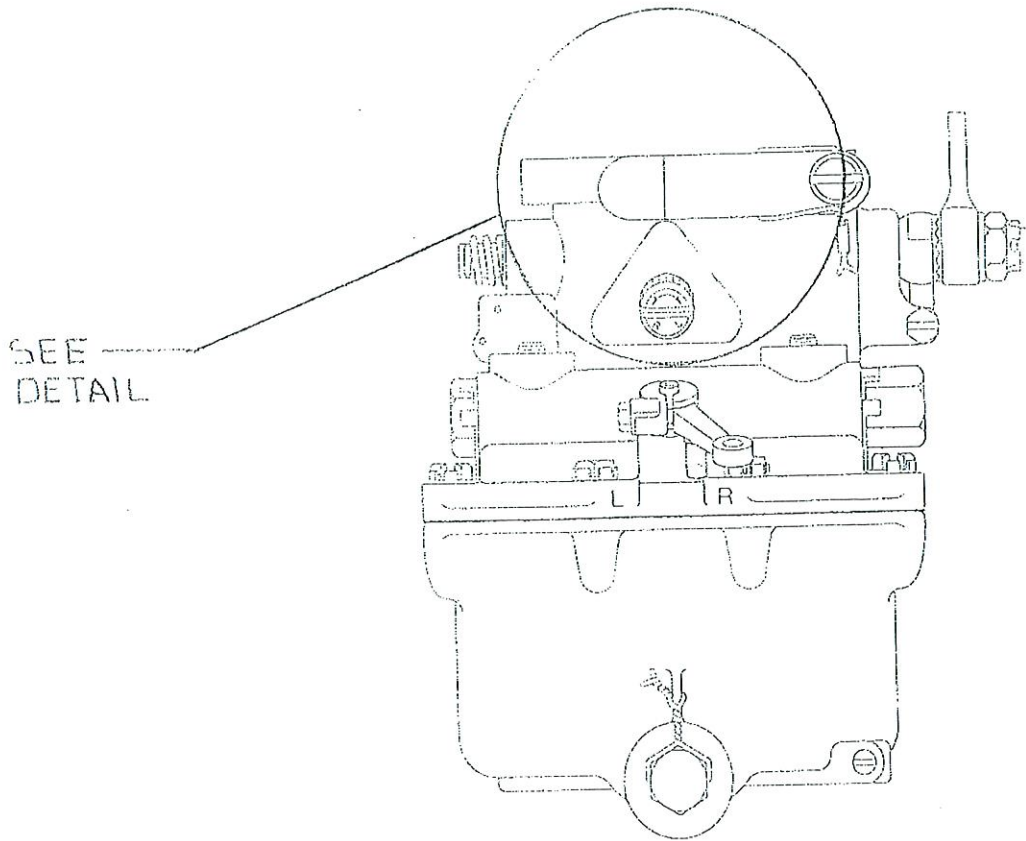
Not affected.

K. PUBLICATIONS AFFECTED:

Not affected.

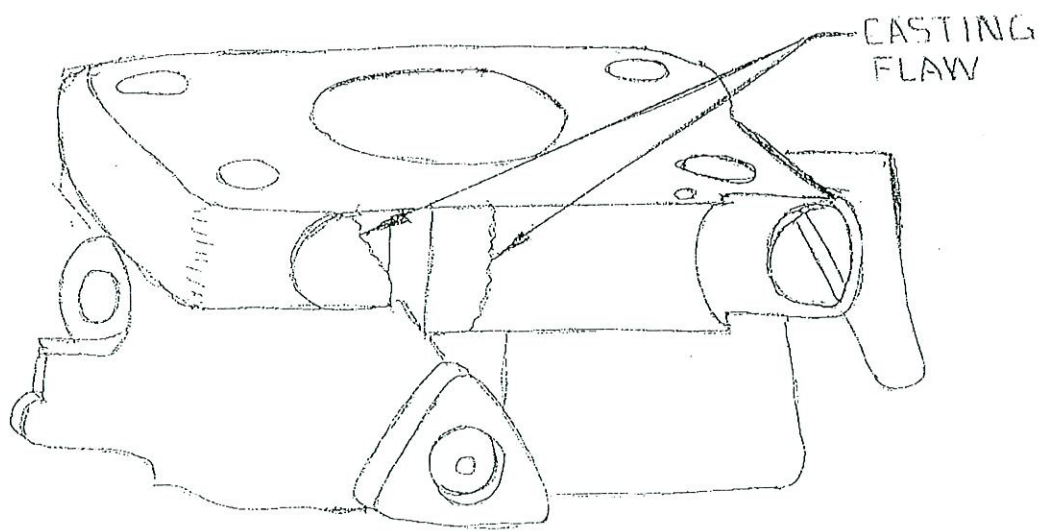
2. ACCOMPLISHMENT INSTRUCTIONS:

- A. With cowling removed, inspect carburetor in the area identified in Figure A. Clean the base flange area with a degreasing solvent if the surface is contaminated with oil or dirt. The casting flaw is visible with a good light source and the naked eye.
- B. If a casting flaw is detected, contact Precision Airmotive at (206) 353-8181 or (800) 838-8181 for instructions on obtaining a replacement carburetor.
- C. If a replacement carburetor is installed, adjust, and verify proper operation of the carburetor in accordance with the applicable engine/airframe maintenance and operation manual(s).
- D. Make appropriate entry in engine log book.



SEE
DETAIL

MA-4-5 CARBURETOR



CASTING
FLAW

DETAIL

