

SERVICE BULLETIN #89-02

September 5, 1989

TO: ALL USERS OF THE BELOW LISTED ELLISON FLUID SYSTEMS, INC. THROTTLE BODY INJECTORS

SUBJECT: Failure of the adhesive bond which retains the Teflon anti-friction pad in the throttle slide cavity.

UNITS AFFECTED:

EFS-3	SERIAL NUMBERS 1068 AND UP
EFS-4	SERIAL NUMBERS 1060 AND UP
EFS-4-5	SERIAL NUMBERS 1078 AND UP
EFS-5	ALL SERIAL NUMBERS
EFS-10	ALL SERIAL NUMBERS

DISCUSSION:

Two cases of bond failure have occurred in which the Teflon anti-friction pad shifted, causing substantial blockage of the induction air flow. In both cases the bond had been weakened by brief induction fires, which may have occurred from over priming.

Although both of these failures occurred during ground operation, an in-flight failure of this bond could result in total engine failure. Ellison Fluid Systems, Inc. is therefore urging all users of affected Throttle Body Injectors to comply with this Service Bulletin before further flight.

COMPLIANCE TIME:

Compliance should be completed before further flight.

COMPLIANCE PROCEDURE:

Fill out the attached questionnaire.

Affected Throttle body Injectors must be shipped prepaid along with the filled out questionnaire to:

Ellison Fluid Systems, Inc.
350 Airport Way
Renton, WA 98055

Ellison Fluid Systems, Inc. will disassemble each unit and inspect for bond failure. All units will be modified by the installation of rivets to provide redundancy in securing the Teflon pad.

Units will be processed in the order received with turn around time expected to be about one week.

CHARGES:

Charges for the above modification is \$58.00 and should be paid by check or money order accompanying the returned Throttle Body Injector. Units will be returned to domestic owners, prepaid via surface UPS. Customers may specify return via UPS Blue or Red label by including appropriate additional funds. Alaska, Hawaii and foreign owners must specify the desired shipping method and include additional funds to cover foreign shipment.

NOTE: If you are not longer in possession of the Throttle Body Injector, please forward this Service Bulletin to the present owner/operator and notify Ellison Fluid Systems, Inc. of owner/address change. Notification should include the serial number and current owner's name and address. Direct all corrections/changes to the letterhead address.

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QUESTIONNAIRE

Please fill out this questionnaire as completely as possible.

Name: _____

Address: _____ Phone: _____

Throttle body Injector Model: _____ S/N: _____

Aircraft Model: _____ Engine Model: _____

Fuel Pump or Gravity Feed: -----Pump Gravity

Does the installation have carb heat? -----Yes No

Have you ever experienced icing?-----Yes No

If yes, please describe the circumstances below:

Auto gas or AV gas? -----Auto AV

Does the installation have an air filter? -----Yes No

How many total hours on unit: _____

Shipping method desired: UPS _____ UPS Blue* _____ UPS Red* _____

Any comments:

*Additional funds required for special shipment.