

# **SERVICE BULLETIN #97-01**

February 25, 1997

**ELLISON FLUID SYSTEMS CONSIDERS COMPLIANCE MANDATORY.  
FAILURE TO COMPLY MAY RESULT IN ENGINE FAILURE.**

TO: ALL USERS OF ELLISON FLUID SYSTEMS, INC. AIRFLOW  
STRAIGHTENING GRID ("ASG")

SUBJECT: Deterioration due to induction fire.

APPLICATION: All ASG units manufactured by Ellison Fluid Systems, Inc.

## DISCUSSION:

Our records show that you have an Airflow Straightening Grid which is intended to be installed against the inlet flange of your Throttle body Injector. Recent service experience has shown that an induction fire can ignite fuel residue which may accumulate on the honeycomb grid, causing deterioration of the grid with the possible ingestion of pieces into the engine. Induction fires are not uncommon and can occur from over-priming, especially during cold weather starts. In most cases the pilot has no knowledge that a fire has occurred.

## COMPLIANCE TIME:

Compliance with this service bulletin should be completed before further flight.

## COMPLIANCE PROCEDURE:

1. Immediately remove the Airflow Straightening Grid and inspect the engine-side surface for fuel residue or honeycomb cell deterioration. If fuel stains are present, remove by washing the Grid in MEK or Acetone. If any pits, nicks or gouges are observed in the edge of any of the honeycomb cells, return the ASG to Ellison Fluid Systems, Inc. for repair.

2. Repeat the procedure outline in Step 1 above:
  - a) Anytime over-priming is known to have occurred.
  - b) Anytime a backfire has occurred when starting.
  - c) Anytime an induction fire is known or suspected to have occurred.
3. Make log book entries recording the condition of the ASG and date of compliance.
4. Repeat the procedure outline in Step 2 above every 25 hours.
5. Avoid over-priming the engine when starting.

Please contact Ellison Fluid Systems, Inc. with any questions.