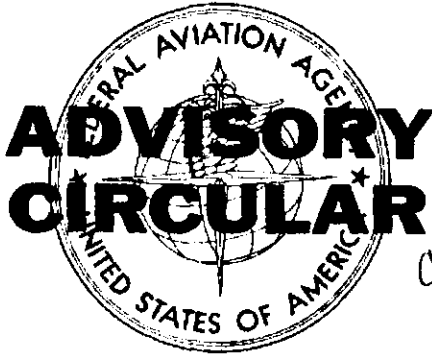


Federal Aviation Agency

Repl. by 23A



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circular
7552-448*

AC NO: 20-23

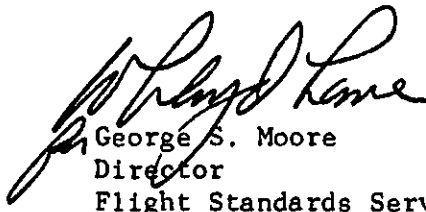
AIRCRAFT

EFFECTIVE :

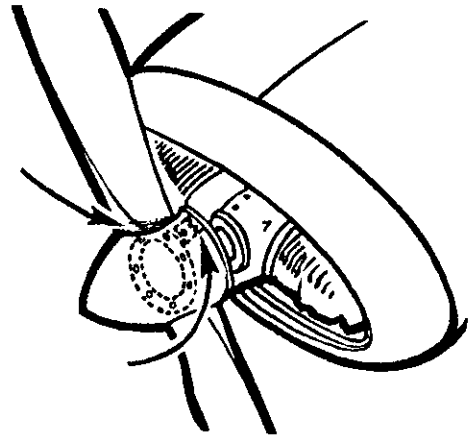
6/4/64

SUBJECT : INTERCHANGE OF SERVICE EXPERIENCE - MECHANICAL DIFFICULTIES

1. PURPOSE. This circular advises the public of the malfunction and defect program and its relationship to the General Aviation Inspection Aids.
2. CANCELLATION. Flight Standards Service Release No. 448 is cancelled.
3. DISCUSSION. The information contained in the General Aviation Inspection Aids is not intended to be critical of any manufacturer or his product; rather, it is intended to alert the general aviation public to service difficulties and, where pertinent, direct attention to the manufacturer's recommended corrective measures.
4. ACTION.
 - a. The Federal Aviation Agency encourages the prompt reporting of all service difficulties by the use of the Malfunction or Defect Report, FAA Form 1226 (Ref. attached illustrations - pages 2, 3, and 4).
 - b. All reports are brought to the attention of the Federal Aviation Agency, Flight Standards Service. Often, as a result of review of these reports by Maintenance and Engineering/Manufacturing personnel, improved design standards are developed.
 - c. Copies of FAA Form 1226 may be obtained, free of charge, from any Federal Aviation Agency General Aviation District Office.


George S. Moore
Director
Flight Standards Service

INTERCHANGE OF SERVICE EXPERIENCE -
MECHANICAL DIFFICULTIES



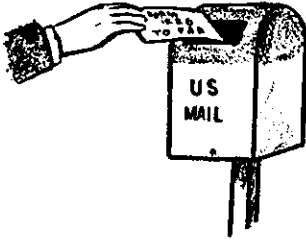
BRAKES FAIL ? BROKEN SPINNER BRACKET ?

When a defect is found either by an aviation mechanic, repair agency, owner or pilot - advise the FAA by completing a Malfunction or Defect Report, FAA Form 1226 -

FEDERAL AVIATION AGENCY		MALFUNCTION OR DEFECT REPORT			
COMPLETE	PILOT	ENGINE	PROPELLER	SPECIFIC PART WHICH CAUSED DIFFICULTY	
NAME AND MODEL	WITZEL 300			NAME OF PART AND PART NO.	USE BRACKET OR CHECK
SERIAL NO.	FS-347			BRAKE PLE. HOSE	2/A
REGISTRATION NO.	25884			WHEEL	2/B
1. IDENTIFY THE MALFUNCTIONING OR DEFECTIVE PART. DESCRIBE THE MALFUNCTION OR DEFECT AND THE CIRCUMSTANCES UNDER WHICH IT OCCURRED. STATE PROBABLE CAUSE AND RECOMMENDATIONS TO PREVENT RECURRENCE.				DATE OF SUBMISSION	
LEFT BRAKE FAILED ON LANDING ROLL-OUT DUE TO LOSS OF HYDRAULIC FLUID.				3-15-63	
FOUND FLEXIBLE HOSE RUPTURED AT WHEEL FITTING. MAY HAVE BEEN CAUSED BY TOO SHARP A BEND RADIUS. SUGGEST PRESENT STRAIGHT FITTING BE REPLACED WITH A 45 DEGREE FITTING TO ALLEVIATE THIS CONDITION.					

FEDERAL AVIATION AGENCY		MALFUNCTION OR DEFECT REPORT			
COMPLETE	PILOT	ENGINE	PROPELLER	SPECIFIC PART WHICH CAUSED DIFFICULTY	
NAME AND MODEL	WITZEL 300	LYONT 0340	FAST 3XX	NAME OF PART AND PART NO.	USE BRACKET OR CHECK
SERIAL NO.	8759	368578	FS 347	PROP SPINNER	2/A
REGISTRATION NO.	87580			2/B	2/B
1. IDENTIFY THE MALFUNCTIONING OR DEFECTIVE PART. DESCRIBE THE MALFUNCTION OR DEFECT AND THE CIRCUMSTANCES UNDER WHICH IT OCCURRED. STATE PROBABLE CAUSE AND RECOMMENDATIONS TO PREVENT RECURRENCE.				DATE OF SUBMISSION	
EVIDENCE OF PROP SPINNER RUBBING AGAINST BLADE.				3-15-64	
PRE-FLIGHT REVEALED SPINNER ATTACHMENT LUG WAS BROKEN.					
RECOMMEND LUGS BE REINFORCED OR REPLACED WITH HEAVIER GAUGE MATERIAL.					

The form is self-explanatory, preaddressed, and postage prepaid.

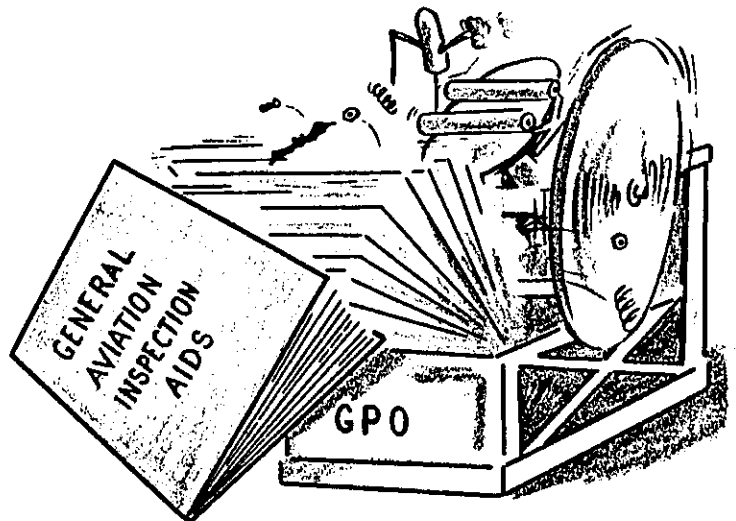
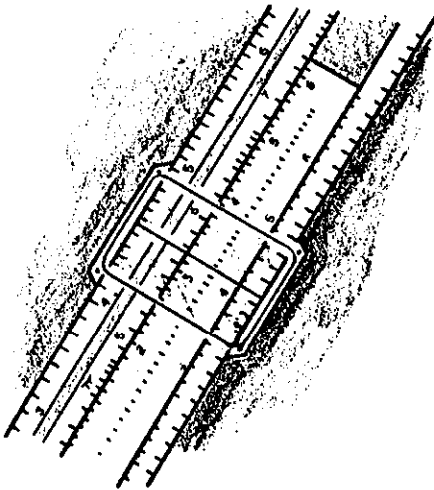


**JUST DROP
IT IN
THE
MAIL BOX**



The Federal Aviation Agency, Flight Standards Service, Maintenance Division, will review the reports and select pertinent items for publication in the *“General Aviation Inspection Aids.”*

Where practical, the reports will be coordinated with the appropriate manufacturers to advise them of those items concerning their products that are intended for publication. This allows them an opportunity to submit any comments or recommendations to be offered to the readers by the Federal Aviation Agency.



••••• The items are then submitted to the Government Printing Office for printing and distribution to the subscriber—

Pilots, owners, repair agencies, and aviation mechanics are advised of service difficulties others have experienced on identical products. When available, information for inspection and repair will also be included.



The "General Aviation Inspection Aids" consist of items selected from reports received during the past year. Following the summary, eleven supplements, containing additional reported malfunction and defect items, are issued on a monthly basis.

The summary and eleven supplements are available on a single subscription from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The cost for each subscription is \$1.25 per year. An additional \$.50 is required for foreign mailing.