



SERVICE LETTER

No.808

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

" DOA SO-1 Approved"

June 8, 1977

S/M

Subject: Hydraulic Pump Terminal Inspection

Models Affected:

Serial Numbers Affected:

| | |
|--------------------------------------|--------------------------------------|
| PA-28R-180 Cherokee Arrow | 28R-30001 to 28R-7130013 Inclusive |
| PA-28R-200 Cherokee Arrow II | 28R-35001 to 28R-7635459 Inclusive |
| PA-28R-201 Cherokee Arrow III..... | 28R-7737001 to 28R-7737028 Inclusive |
| PA-28R-201T Cherokee Arrow III | 28R-7703001 to 28R-7703053 Inclusive |
| PA-32R-300 Cherokee Lance | 32R-7680001 to 32R-7780239 Inclusive |
| PA-34-200 Seneca | 34-7250001 to 34-7450220 Inclusive |
| PA-34-200T Seneca II..... | 34-7570001 to 34-7770183 Inclusive |

Compliance Time: Recommended at the next regularly scheduled inspection period.

Purpose: The electrical connectors on the ends of the wires coming from the hydraulic pump motor could be improperly crimped. This may cause the terminal to become loose or detached from the wire which will render the pump motor inoperative.

This Service Release calls for the inspection of the three (3) wires coming from the hydraulic pump and gives instructions for inspection of these terminal ends.

Instructions:

1. Gain access to the hydraulic pump. (Refer to appropriate model Service Manual for pump location).
2. Disconnect the wires leading from the pump to the solenoids and pump to airframe ground. Firmly grasp a wire by hand and using broad nose pliers, pull with a force of 20 to 30 pounds on the terminal end. Repeat procedure for each wire leading from the pump.

CAUTION

Do not pull on terminal end unless holding wire firmly or pump may be damaged.

3. If terminals cannot be pulled off, reconnect the pump. Make the appropriate log book entry that this Service Release has been complied with.

(over)

Instructions: (Continued)

4. If any terminal ends can be pulled off, replace with a new terminal end and crimp with a proper crimping tool. (Refer to Materials Required for Terminal End part number). Make appropriate log book entry that this Service Release has been complied with.

Material Required: Two (2) each Terminal, Piper Part Number 488 404 (AMP Part No. 32547) and one (1) each Terminal, Piper Part Number 488 392 (AMP Part No. 32544) @ suggested unit list price \$.06 C and \$.06 C, respectively.

Availability of Parts: Your Piper Field Service Facility

Effectivity Date: This Service Letter is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements for compliance with this Service Letter in Accordance with Compliance Time, above.

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SERVICE COMMUNICATIONS