



# SERVICE LETTER

No. 524

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

May 20, 1969

Subject: Weldon Electric Fuel Pump Modification

Models Affected: PA-31 and PA-31-300 Navajo

Serial Numbers Affected: 31-2, 31-4, 31-6 to 31-346 incl., 31-348, 31-358 to 31-365 incl., 31-369, 31-371 to 31-373 incl., 31-375 to 31-390 incl., 31-392 to 31-406 incl.

Compliance Time: Prior to but not later than the next 100 hours of operation.

Purpose: To provide distribution and insure compliance with the attached Weldon Tool Co. Service Bulletin No. WPSB-1, and to require replacement of fuel pump piston assembly.

Instructions: Contained in Kit No. 760 316 or 760 317 Electric Fuel Pump Modification, whichever is applicable.

Material Required: Kit No. 760 316 (PA-31 Turbo) or 760 317 (PA-31-300 only), Electric Fuel Pump Modification.

Availability of Parts: Piper Dealer

Material Allowance: One (1) each Kit No. 760 316 (PA-31 Turbo) or 760 317 (PA-31-300 only) Electric Fuel Pump Modification, whichever is applicable; comply with Service Publication Compliance/Credit Request procedure.

Labor Allowance: Two (2) hours; comply with Service Publication Compliance/Credit Request procedure.

Material/Labor Allowance Termination Date: February 28, 1970

Disposition of Parts in Stock:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Remarks</u>
42113-00 (PA-31 Turbo)	Fuel Pump Assy.	Rework by installing Kit No. 760 316 (labor allowance not applicable)
43382-00 (PA-31-300)	Fuel Pump Assy.	Rework by installing Kit No. 760 317 (labor allowance not applicable)

(over)

Disposition of Replaced Parts:

<u>Part Number</u> <u>(Vendor)</u>	<u>Nomenclature</u>	<u>Quan. (per pump)</u>	<u>Code</u>
10610	Fuel Pump Piston Assy.	1 each	D

REASON FOR THIS BULLETIN:

Alleged failure, in two instances, has been reported with the relief valve contained in the Style "L" and Style "JL" Fuel Pump Assembly. Probable cause is the loosening of the guide retainer, which is a component part of the relief valve piston assembly, due to prolonged vibration. A loose guide retainer may result in blockage of the fuel line.

PART NUMBERS AFFECTED:

Style "L" Part 10000-D, 10001-D, 10002-D, 10003-D, 10004-D, 10005-D, 10006-D, 10007-B, 10010-D, 10015-B, 10020-D, 10021-D, 10022-D, 10023-B, 10025-B.

Style "JL" Part 10050-A, 10051-A, 10051-C, 10060-D, 10060-F.

SERIAL NUMBERS AFFECTED:

Style "L"--Serial 1561 and under.

Style "JL"--Serial 406 and under.

RECOMMENDED CORRECTIVE ACTION:

Inspect above pumps to insure that guide retainer on piston assembly is securely fastened. Replacement with modified Piston Assembly Part Number 10611 is recommended.