

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

1. Removed existing 3/8" Dia. fuel line from gas collator, right side, bottom of floor, to AN "T" located in front of right upper side doorpost under instrument panel.
2. Installed A.N. cap at lower "T" fitting. (See Figure 2, sheet A).
3. Installed a new 3/8" - 5051 Alum tubing. fuel line from right floor gas collator to new UNIVAR FUEL VALVE # U-491-947A, VIA. behind tubular Fuselage crossmember, and parallel to left cabin floor bulkhead using AN Fittings. (See Figure 2, sheet B).
4. Test fuel system for leaks and found none.
5. Test fuel system for flow of fuel and found a difference of 8% between right and left tank as compared to 18% before modification, for a net gain of 225% improvement. System now has a gravity fuel flow of 38 GAL/HR.
6. No significant change in weight and balance noted.

*****END*****

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FAA
SW-FSDO-11
(LIT)

	SPV1	A1
	SPV2	A2
	SPV3	A3
	AD	A4
	CS	A5
	ASA1	A6
	ASA2	A7
	AST	A8
		A9

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FAA
SW-FSDO-11
(LIT)

	MGR1	A1
	SPV1	A2
	AD	A3
	CS	A4
	ASA1	A5
	ASA2	A6
	AST	A7
		A8
		A9

Additional Sheets Are Attached

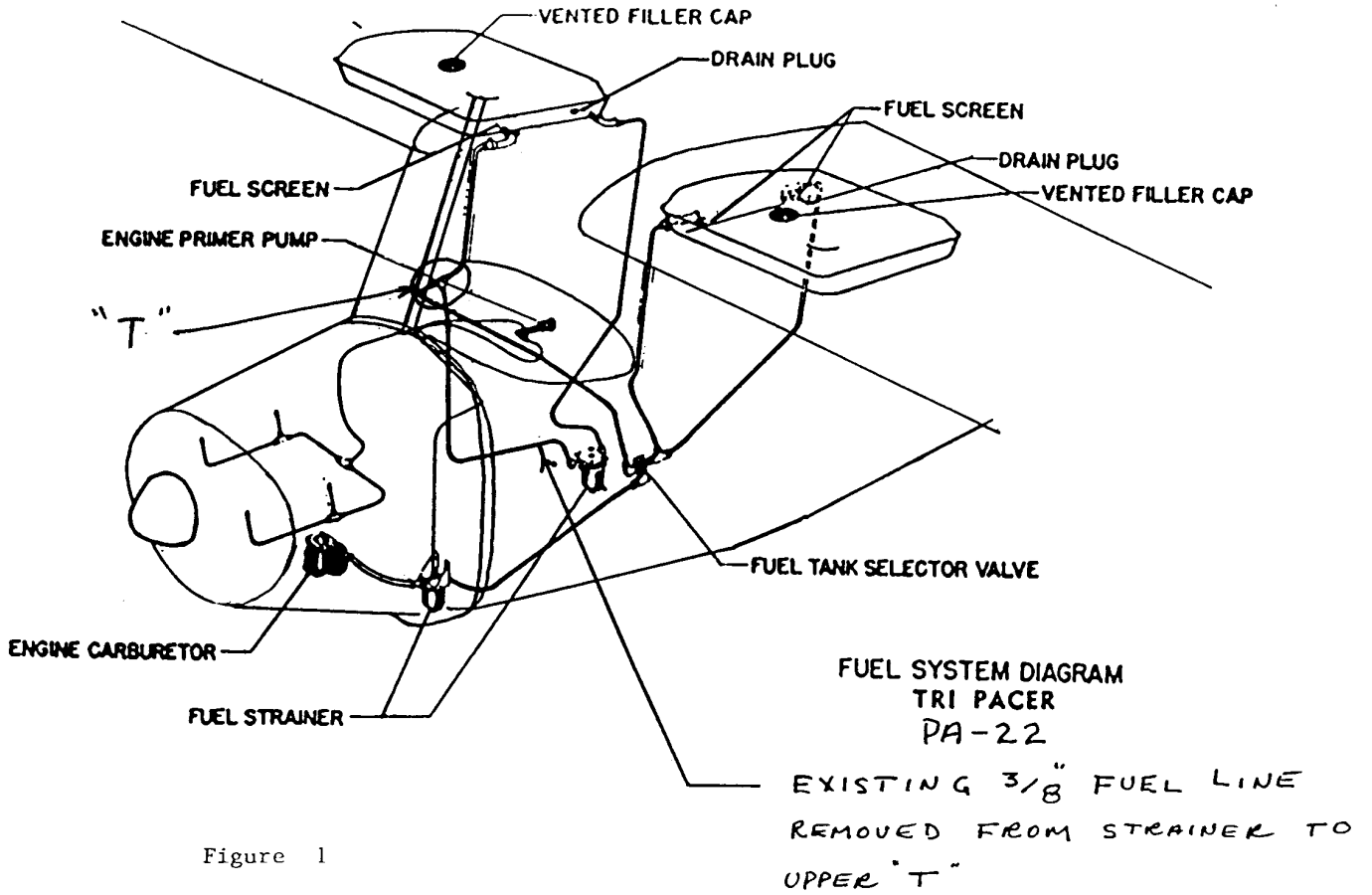


Figure 1

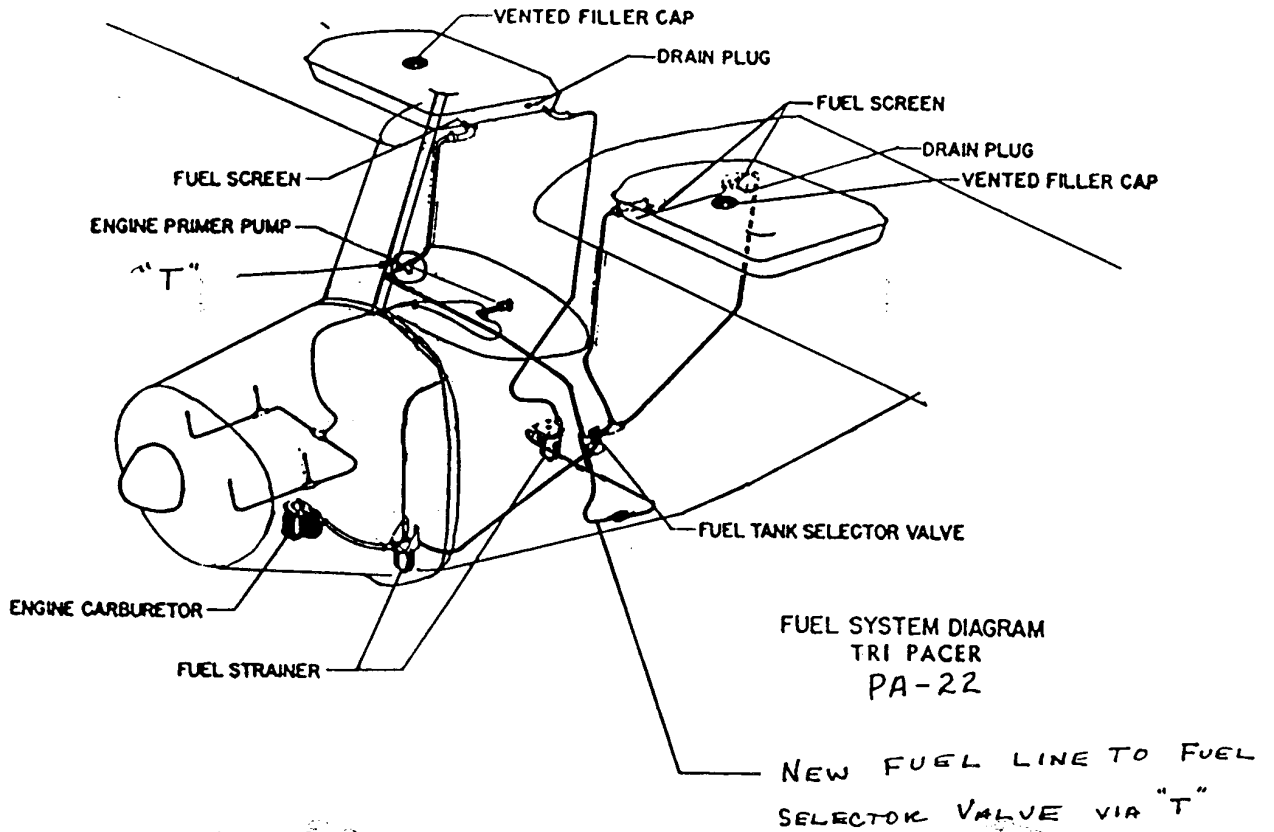



Figure 2

Parts Manufacturer Approval Listing - Supplement No. 65
Federal Aviation Administration - Parts Manufacture Approval

Univair Aircraft Corporation

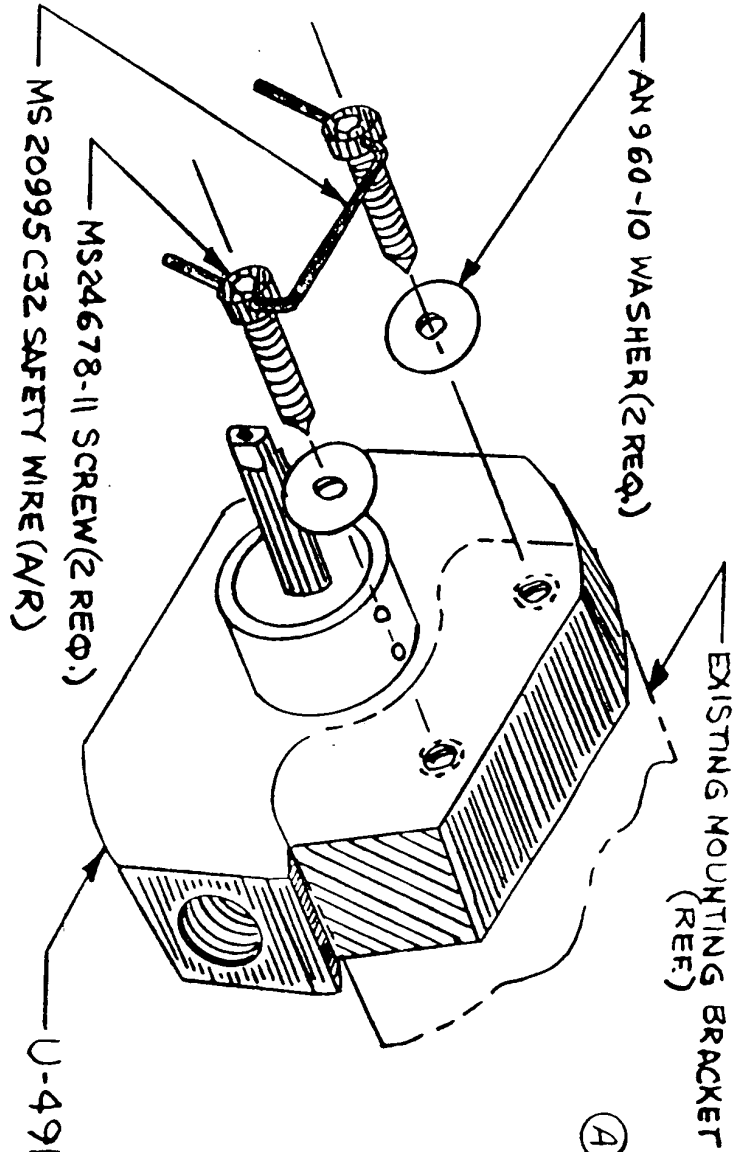
Univair Aircraft FAA-Approved Design Data	Approved Replacement for	FAA Design Approval Means	Installation Eligibility
Cowl Latch Part No. U-0452108, U-0452109, U-0452110, U-0452111, U-0452112, U-0452113, U-0452114, U-0452115, U-0452119, U-0452120, U-0452122, U-0452123	Cessna Aircraft Co. Part No. 0452108 0452109 0452110 0452111 0452112 0452113 0452114 0452115 0452119 0452120 0452122 0452123	Identical Design Approval per FAR 21.303(c)	120, 140, 140A, 170, 170A, 170B
Fuel Valve Part No. U-491-947	Piper Aircraft Corp. Part No. 491-947	Identical Design Approval per FAR 21.303(c)	PA-18
Elevator Link Part No. U-10449-00	Piper Aircraft Corp. Part No. 10449-00	Identical Design Approval per FAR 21.303(c)	J-5C, PA-11, PA-12, PA-14, PA-15, PA-16, PA-17, PA-18, PA-20, PA-22, PA-25
Grommet Part No. U-10293-00 and U-10293-02	Piper Aircraft Corp. Part No. 10293-00 and 10293-02	Identical Design Approval per FAR 21.303(c)	PA-11, PA-14, PA-15, PA-17, PA-18, PA-20, PA-22, PA-25, J-3, J5C
Fairing Part No. U-4-10000	Bellanca/Champion Part No. 4-10000	Identical Design Approval per FAR 21.303(c)	7EC, 7FC, 7ECA, 7GCAA, 7GCBC

END OF LIST


Donald E. Gonder
Acting Manager, Seattle Manufacturing
Inspection District Office

Issued: February 9, 1977
Reissued: September 18, 1989

(1)



Ⓐ WARNING: DO NOT DISASSEMBLE VALVE. NO FIELD SERVICEABLE PARTS INSIDE.

91249	A	ADD WASHERS	12-3-93
E.O. NO.	CHG	REVISION	DATE

AN 960-10	WASHER	2	
MS20995C32	SAFETY WIRE	A/R	
MS24678-11	SCREW	2	
U-491-947A	FUEL VALVE	1	
PART NO.	NAME	STOCK SIZE	QTY
DRAWN BY: BALDWIN		DATE: 5-1-90	SCALE: FULL
LIMITS: ±.03 ±.010 ± 2°			
FINISH: NONE			
PAINT: NONE			
UNIVAIR AIRCRAFT CORPORATION 2500 Himalaya Road Aurora, Colorado 80011			
TITLE: VALVE ASSY.-INSTALLATION			
MODELS: FAA/PMA PA-20,-22		SHEET NO. 1 OF 1	DRAWING NO. U-491-947K2