



SERVICE LETTER

No. 553

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

May 20, 1970

Subject: Required Equipment - Pressurized Navajo Service Support

Models Affected: PA-31P Navajo "Pressurized"

Purpose: To announce the availability of special equipment required for maintenance of the above referenced aircraft pressurization and air conditioning systems.

The special equipment items (or equivalents) listed below are required for Piper Service Centers supporting the PA-31P.

- I. Pressurization Leakage Test Stand: This unit consists of an electric motor, blower assembly, dry air filter, flow meter, cabin pressure gauge, rate of climb gauge, necessary hoses and plumbing fixtures, mounted in a sturdy steel cabinet on five inch casters for excellent mobility.

This test stand is necessary to check operation of pressurization system (such as outflow valves, etc.), to check for uncontrolled leaks following routine maintenance and for troubleshooting and maintenance of the instrument pressure and deicer boot systems.

Ref. Fig. 1 for pictorial illustration.

- II. Air Conditioner Service Unit: This unit consists of a vacuum pump capable of pumping 30 inches of vacuum, a manifold and gauge, Freon sight glass and Freon container, and all necessary tubing and plumbing fixtures, mounted on a two-wheeled dolly cart for mobility.

This unit is necessary to service the air conditioning system.

Ref. Figs. 2 and 2a, for pictorial illustration.

(over)

Purpose: (Continued)

- III. Air Conditioner Leak Detector: This unit is an accurate electronic instrument calibrated to detect any Freon leak that is more than the allowable leak rate (one ounce per year). This hand-held, portable instrument is safe to use around engine nacelles, fuel supply tanks etc.

Ref. Fig. 3 for pictorial illustration.

Material Required:

<u>Part Number</u>	<u>Nomenclature</u>	<u>Price Structure</u>
756 344	Pressurization Leakage Test Stand	\$1520.00I (Domestic) \$1584.46I (International)
756 345	Air Conditioner Service Unit	\$ 305.56I
756 346	Air Conditioner Leak Detector	\$ 122.22I

- NOTE: (1) INTERNATIONAL DISTRIBUTORS: When ordering part number 756 344 Pressurization Leakage Test Stand and part number 756 345 Air Conditioner Service Unit, please supply voltage requirements with your order.
- (2) Due to the special nature of the above items, please allow a thirty to forty-five day lead time for delivery of order from the factory.

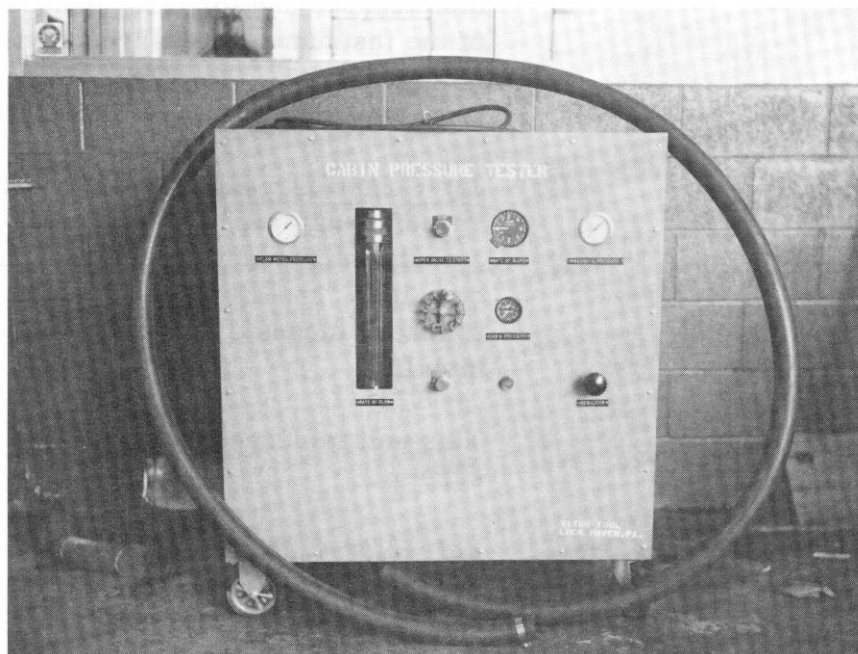


FIG.1: PRESSURIZATION LEAKAGE TEST STAND

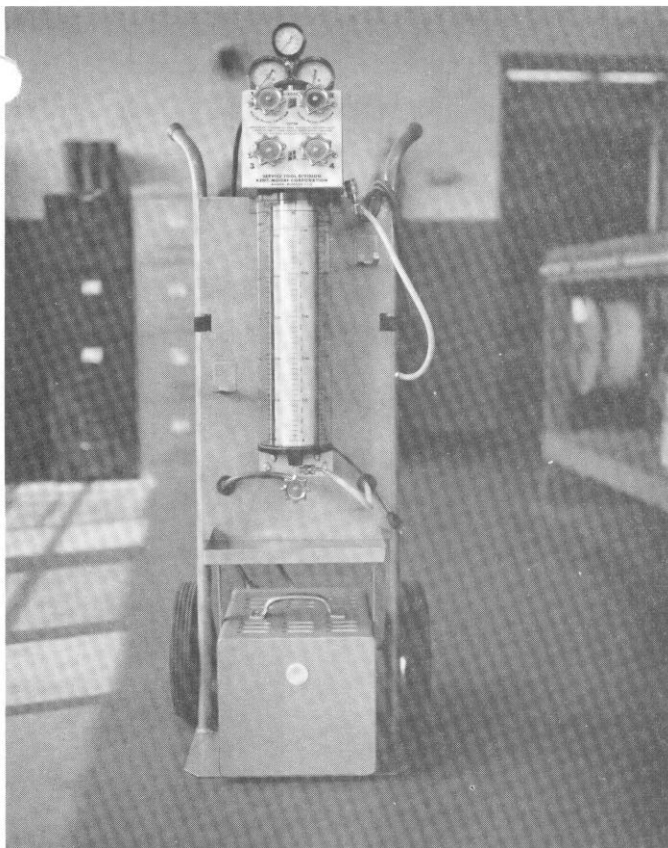


FIG. 2; AIR CONDITIONER SERVICE UNIT (Front)

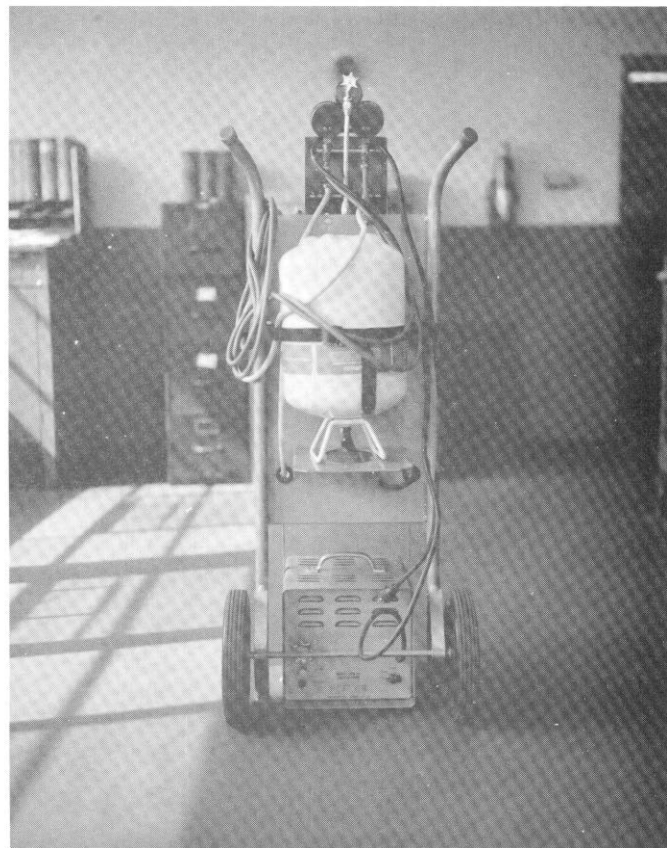


FIG. 2a; AIR CONDITIONER SERVICE UNIT (Back)

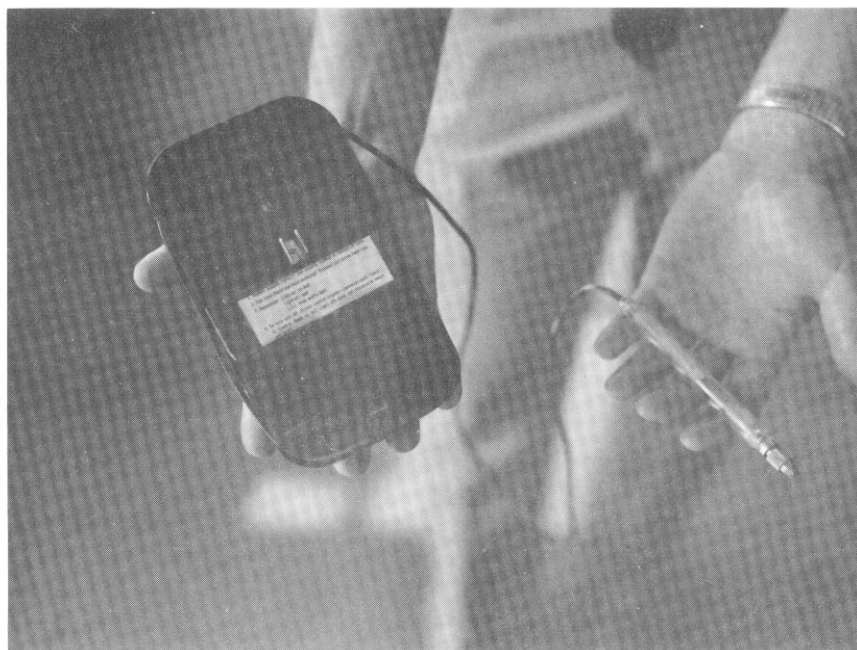


FIG. 3; AIR CONDITIONER LEAK DETECTOR