

AIR DATA ACCESSORIES KIT
MODEL No. PC24-945
(990.00.00.260)
FOR
PC-24 AIRCRAFT
(SERVICE CENTERS)



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- Proprietary Information -

This Air Data Accessories Kit contains all the Equipment required to test from the Air Data Test Set (ADTS), - the complete Aircraft Pitot & Static system on the PC-24 aircraft, - as well as the means of pre-testing all Test Adaptors and Test Hoses prior to being fitted to the aircraft.

This kit is primarily meant for use by the PC-24 Aircraft Customer Service Centers.

Pitot & Dual Static Test Adaptor

Part No. PSS95479-4C (3 req'd.)

These Test Adaptors fit the three Air Data Probes P/N 0856WM, - located on the right and left side Nose Section.

With the Test Adaptors installed on the Aircraft Probes, together with the Test Hoses, Quick Disconnect Fittings and the ADTS, this allows testing each PC-24 Pitot and Static System, - separately or simultaneously.

The Test Adaptors are equipped with Quick Disconnect Test Hose Fittings. The Pitot Test Hose Fittings are of the Keyed Type to prevent interchanging with Static Test Hoses.

Note: All Test Hoses are to be connected to the Test Adaptors prior to installation of Test Adaptors on to the Aircraft Probes. This, to allow free airflow via the self-sealing Quick Disconnect Fittings, - and prevent Pitot/Static Air Entrapment inside the Test Adaptors during installation on to the Aircraft Air Data Probes.

Pre-Test Probe

Part No. PT421-5479 (3 req'd.)

When the Pre-Test Probe units are inserted into the Test Adaptors and with the Test Hoses connected at the ADTS, - Test Adaptors, Test Hoses and the ADTS can be tested for air tightness prior to installation on to the Aircraft Air Data Probes. This, by applying Pitot and Static Pressure from the ADTS.

Further, the Pre-Test Probe is also employed to lubricate the Glands/Seals inside the Test Adaptors.

Pitot Test Hose Assembly

Part No. PC24-7270 (1 req'd.)

This Test Hose is connected to the Pitot Inlet Pt at each Test Adaptor, and is fitted with double acting Quick Disconnect Fittings for use when it is desirable to test individual Pitot Systems, as well as System Isolation for trouble shooting purposes.

Static Test Hose Assembly

Part No. PC24-5160 (1 req'd.)

This assembly attaches to the Static Test Adaptor Ps1, and/or Ps2. The double acting Quick Disconnect Fittings operate in the same manner as those on the Pitot Test Hose Assembly.

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ADTS 206 Quick Attach Hose Assembly
Pt - Part No. 206PT-CK2-4 (1 req'd.)

This assembly attaches to the ADTS Pitot (Pt) outlet fitting (AN-4 size). It is intended to facilitate the connection/disconnection of the ADTS without the use of wrenches. The hose is equipped with a Quick Disconnect fitting assembly (keyed), - and an AN-4 male fitting to be connected to the Pitot Test Hose Assembly PC24-7270.

Note: For ADTS storage, the male Quick Disconnect fitting and hose remain connected to the ADTS Pt outlet fitting. The ADTS cover can be closed with the Quick Attach Hose Assembly stowed inside.

ADTS 206 Quick Attach Hose Assembly
Ps1

Part No. 206PS-C-4 (1 req'd.)

This assembly attaches to the ADTS Static (Ps1) outlet fitting (AN-4 size). It is intended to facilitate the connection/disconnection of the ADTS without the use of wrenches. The hose is equipped with a Quick Disconnect fitting assembly and an AN-4 male fitting to be connected to the Static Test Hose Assembly PC24-5160.

Note: For ADTS storage, the male Quick Disconnect fitting and hose remain connected to the ADTS Ps1 outlet fitting. The ADTS cover can be closed with the Quick Attach Hose Assembly stowed inside.

Seal Kit - Part No. SK5479 (1 req'd.)

One sets of Spare Seals for the Pitot & Dual Static Test Adaptor is stowed in the Storage Case.

Tool Kit Seal Exchange

Part No. 421-ASTK (1 req'd.)

One Seal Exchange Tool Kit is supplied in this Pouch. The tool items assist in the exchange of Seals/Glands and Spacers inside the Test Adaptor Body.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

This Fluid is used to lubricate the Glands of the Pitot & Dual Static Test Adaptor. It is recommended that a small amount (droplets) be used before installing the Test Adaptor on the Pre-Test Probe. Then insert the Pre-Test Probe with a turning action into the Test Adaptor, and then remove the Pre-Test Probe from the Test Adaptor. This will ensure smooth Test Adaptor installation on to the Aircraft Air Data Probe.

Manual - Part No. 444-PC24-945

One Manual is supplied with each Air Data Accessories Kit.

This Manual contains a List of Equipment and Detail Drawings of Kit Components.

Storage Case

Part No. NANUK-PC24-945-Y

All Equipment is enclosed in this Heavy Duty Case Assembly with Dunnage for component storage.



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Customer Support

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