

**AIR DATA ACCESSORIES KIT**  
**MODEL No. ATR42-723**  
**ATR 42 & ATR 72 AIRCRAFT**



## AIR DATA ACCESSORIES KIT MODEL No. ATR42-723 ATR 42 & ATR 72 AIRCRAFT

**- Proprietary Information -**

This kit contains all the equipment required to test from source the complete pitot & static air data system on the ATR 42 & ATR 72 aircraft, as well as the means of pre-testing pitot test adaptors, static test adaptors and hoses prior to being fitted to the aircraft.

### **Pitot Test Adaptor**

#### **Part No. P74418-4 (2 req'd.)**

These units fit the pitot probes 0851JA located on each side of the aircraft and when installed they will isolate and test each system separately or simultaneously when connected to pitot test hose assembly.

#### **Installation on probe:**

**Back off compression nut. Fit unit onto pitot tube ensuring that tip of probe is located on the teflon snubber of pitot adaptor. Holding unit in this position tighten compression nut. Adjust blanking pads to cover drain holes.**

### **Pre-Test Probe**

#### **Part No. PT421-418 (2 req'd.)**

When it becomes necessary to test the integrity of the pitot test adaptors, connecting of the pitot test adaptors, connecting hoses and test set, these units are installed into the pitot test adaptors, thus simulating the pitot head. Be sure that internal and external integrity of the adaptors is accomplished.

### **Static Test Adaptor**

#### **Part No. 33410HH-125-4 (2 req'd.)**

These units are used to check the static systems on the aircraft. To attach to static vent, depress piston fully, insert into center hole of static vent and release. Depress piston fully to remove.

**N.B. Attach hose to unit being used before installing on aircraft.**

The protective caps attached to the units are designed such that they may be used as pre-test fixtures for these units and will prove the integrity of the adaptors, hose and tester prior to being fitted to the aircraft.

### **Static Blanking Adaptor**

#### **Part No. 33410HB-125 (2 req'd.)**

These units are used in conjunction with the static test adaptors and are used to blank off the matching static vent on the opposite side of the aircraft.

### **Pitot Test Hose Assembly**

#### **Part No. 42-7270 (1 req'd.)**

This hose is connected to the pitot inlet of the adaptors and is fitted with double acting quick disconnects for use when it is desirable to test only one pitot system. The connection to the pitot outlet of the pneumatic generator is included on this assembly.

### **Static Test Hose Assembly**

#### **Part No. 42-5160 (1 req'd.)**

This assembly is fitted with double acting quick disconnects which operate in the same manner as that on the pitot test hose assembly. The extension hose then connects to the static outlet of the pneumatic generator.

November 30, 2020



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### **Lubricating Fluid**

#### **Part No. LF5050 (1 req'd.)**

This fluid is used to lubricate the glands of the pitot & dual static and pitot static test adaptors.

Only a very small amount is needed to lubricate the adaptor's interior glands before installing the adaptors onto the aircraft probes.

This process will help to prolong the life of the seals as well as facilitate a smooth installation of the applicable adaptor onto the corresponding aircraft probe.

Using only 1 or 2 drops, apply a thin film coating onto the surface of the applicable Pre-Test Probe(s).

Then, while using a slight CW/CCW rotation, insert the Pre-Test Probe into the adaptor when setting-up for the 'Pre-Test' stage of the ADTU before hooking up to the aircraft's probes.

***WARNING: Nav-Aids Ltd. ® P/N LF5050, Lubricating Fluid, is the only approved lubricant for this purpose.***

***The use of any other substance may very well have adverse effects that could contribute to a Flight Safety Hazard.***

### **Seal Kit - Part No. SK701 (2 req'd.)**

Two sets of spare seals for pitot test adaptors - P/N P74418-4 are stowed in the case.

### **Seal - Part No. HH334-7 (4 req'd.)**

Four spare seals for static test adaptors and static blanking adaptors are stowed in the case.

### **Manual - Part No. 444-ATR42-723**

One manual is supplied with each kit.

The equipment is enclosed in a case assembly - **P/N NANUK-ATR42-723.**

### **Customer Support**

For information or to order replacement parts for this kit or for other types of aircraft, please contact us:

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