

**AIR DATA ACCESSORIES KIT  
MODEL No. ADA757-612  
BOEING 757 AIRCRAFT**



## AIR DATA ACCESSORIES KIT MODEL No. ADA757-612 BOEING 757 AIRCRAFT

*- Proprietary Information -*

This kit contains all the equipment required to test from source the complete pitot and static air data system on the Boeing 757 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

### **Pitot Test Adaptor**

#### **Part No. P75701-3 (4 req'd.)**

This unit fits pitot probe 851FJ located on the nose of the aircraft and when installed will test each system separately or simultaneously.

### **Pre-Test Probe**

#### **Part No. PT757-161 (4 req'd.)**

When it becomes necessary to test the integrity of the pitot adaptors and/or hoses and test set, these units are installed into the pitot adaptors thus simulating the pitot head.

### **Static Test Adaptor**

#### **Part No. 33410LH-125-4 (6 req'd.)**

There are six of these units supplied with the kit. To install, depress plunger. A slight rotation motion in each direction ensures a good seal. This unit is seal-sealing, locking, aligning and testing as the protective cap on the mandrel doubles as a pre-test unit. When using as a blanking adaptor, ensure that the blanking cap is tightened before installation. The first dash number identifies the size of hole in the centre of the static vent and the last dash number identifies the fitting size (-4 indicates 1/4" hose size).

### **Static Test Adaptor (Pressurization Port)**

#### **Part No. 33410MC-125-4 (1 req'd.)**

This unit is stowed in the case cover.

### **Pitot Test Hose Assembly**

#### **Part No. 757-133 (4 req'd.)**

Four of these assemblies are included in the kit and are connected to the pitot adaptor from the designated outlet on the control console, and may be selected as required. Hoses are colour coded at each end.

### **Pitot Input Test Hose Assembly**

#### **Part No. 757-214 (1 req'd.)**

This assembly is used to connect the pitot outlet of the pneumatic signal generator to the pitot inlet located on the right hand side of the top panel of the control console.

### **Static Test Hose Assembly**

#### **Part No. 767-212 (2 req'd.)**

Two of these assemblies are supplied with the kit. A 33410LH-125-4 test adaptor is attached to each hose assembly for convenience of use. The adaptors to blank off opposite static vent being stowed in the case cover.

### **Static Input Test Hose Assembly**

#### **Part No. 757-211 (1 req'd.)**

This assembly is used to connect the static outlet of the pneumatic signal generator to the left and right D.A.D.C. connection on the left hand side of the top panel of the control console.

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### **Static Input Test Hose Assembly**

#### **Part No. 757-111 (1 req'd.)**

This assembly is used to connect the alternate static and left and right D.A.D.C. connections to a source of vacuum (or pressure) should it become necessary to test lines of these systems simultaneously.

### **Alternate Static Test Hose Assembly**

#### **Part No. 767-105 (1 req'd.)**

The hose is connected to the alternate static outlet on the control box and is supplied with its own separate vacuum source, which can be shut off from the front of the panel. The 33410LH-125-4 test adaptor is connected thereto and the adaptor to blank off the opposite side of the aircraft is stowed in the case cover.

### **Vacu-Grip Assembly**

#### **Part No. 421-8971 (1 req'd.)**

One of these units is supplied with each kit to provide a means of support for static system test hose assemblies.

### **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.***

### **Pitot & Static Selector Console**

#### **Part No. 421-757 (1 req'd.)**

This unit contains all necessary inlets and outlets required to connect the pneumatic generator and the adaptors and hoses to the aircraft sensing system. An instant acting control valve is supplied for each outlet. These valves are shut off when the handle is in the vertical position.

The static systems input and output connections and control valves are located on the left side of the panel whilst the pitot system connection and control valves are located on the right side.

All inlets etc. are identified on the photo-etched panel. A facility for testing two pairs of static adaptors simultaneously is provided on the top panel.

The hoses connected to console and adaptors are colour coded at each end for easy system identification.

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**Seal Kit**

**Part No. SK701 (4 req'd.)**

Four sets of spare seals for pitot test adaptors are stowed in the case.

**Seal - Part No. 334-7 (3 req'd.)**

Three spare seals for static test adaptors - P/N 33410LH-125-4 are stowed in the case.

**Seal - Part No. 521-7MC (1 req'd.)**

One spare seal for static test adaptor - P/N 33410MC-125-4 is stowed in the case.

**Manual**

**Part No. 444-757-612**

One manual is supplied with each kit.

The equipment is enclosed in case assembly Model No. **NANUK960-757-612**

**Customer Support**

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

**Nav-Aids Ltd.  
2955 Diab Street  
Montreal, QC.  
H4S 1M1  
Canada**

**Tel: 514 332-3077**

**Toll Free: 877-332-3055**

**Fax: 514 332-6711**

**E-mail: [info@navaidsltd.net](mailto:info@navaidsltd.net)**

**Website: [www.navaidsltd.net](http://www.navaidsltd.net)**

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