

**AIR DATA ACCESSORIES KIT**  
**MODEL No. ADA787-612**  
**BOEING B-787 AIRCRAFT**



## AIR DATA ACCESSORIES KIT MODEL No. ADA787-612 BOEING B-787 AIRCRAFT

The kit contains all the equipment required to test from source the complete pitot & static air data system on the Boeing B-787 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. P75400M-4C (3eq'd.)**

These units fit the pitot probes located near the nose and when installed they will isolate and test each system separately or simultaneously.

### **Pre-Test Probe**

#### **Part No. PT421-5400 (3 req'd.)**

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

### **Static Test Adaptor- Main**

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

These test adaptors fit the main static ports located on both sides of the aircraft. Also serves as a blanking adaptor when the blanking cap is tightened onto the hose fitting of this adaptor.

### **Static Test Adaptor- Center**

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

These adaptors fit the center static ports located on both sides of the aircraft. Also serves as a blanking adaptor when the blanking cap is tightened onto the hose fitting of this adaptor.

### **Vacu-Grip Assembly**

#### **Part No. 421-4900 (1 req'd.)**

One of these units is supplied with each kit to provide a means of support for static system test hose assemblies and to protect against such hazards as work stands, vehicles, etc. during test.

### **Pitot Test Hose Assembly**

#### **Part No. 787-7270 (1 req'd.)**

This hose assembly is connected to the pitot inlet of the pitot test adaptors. These hose ends are fitted with double acting quick connects.

### **Static Test Hose Assembly**

#### **Part No. 787-5160 (1 req'd.)**

This hose assembly is connected to the inlets of the static test adaptors, the opposite end is connected to the static outlet of the ADTS.

### **Seal Kit**

#### **Part No. SK400 (3 req'd.)**

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

### **Seal Exchange for Pitot Test Adaptor:**

*Removal:* The seals inside the pitot adaptor can be exchanged by removing the circlip located inside the body of the adaptor. The circlip is removed by inserting a suitable pin tool in the small hole located just aft of the compression nut and pushing the circlip out of its seat. The compression nut can now be removed along with the spacers and seals from inside the adaptor.



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***Installation:*** Clean all components before assembly. With reference to the drawing, the seals are exchanged and placed in the exact same location and sequence between the spacers. Carefully thread the compression nut onto the adaptor body and reinstall the circlip.

The integrity of the Adaptor is verified by applying pressure to the adaptor inlets with the pre-test probe installed.

### **Seal**

#### **Part No. 410-7FFAB(4 req'd.)**

Four spare seals for static test adaptor-main P/N.33410FFAB-125-4.

#### **Seal Exchange for Static Test Adaptors:**

The seals are exchanged by pulling the seal off from its seat, cleaning the seat of glue and seal residues, then reinstalling and securing the new seal with the use of Sealant, P/N **3M CA8**, or equivalent.

### **Seal**

#### **Part No. 334-7 (2req'd.)**

Two spare seals for static test adaptor-center P/N.33410LH-125-4. Seal exchange for static test adaptors same procedure as previously mentioned.

### **Lubricating Fluid**

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

This fluid is used to lubricate the seals inside the test adaptors.

This is accomplished by, finger tip or cotton swab, application of a very thin film of lubricating fluid to the surface of the pre test probe, inserting the probe into the test adaptor with a rotating motion and then

retracting it. This action will ensure smooth test adaptor installation on to the pitot probe and will keep the test adaptor seals moist.

### **Tool Kit – Seal Exchange**

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

This tool kit contains the necessary tools to assist in seal and gland replacement of adaptors. Instructions on how to change seals are included in the kit.

### **Manual - Part No. 444-787-612**

One manual is supplied with each kit.

The equipment is enclosed in case assembly **Model No. 110XD-ADA787-612**