

AIR DATA ACCESSORIES KIT
MODEL No. ADA777-612
BOEING 777 AIRCRAFT

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This kit contains all the equipment required to test from source the complete pitot and static air data system on the Boeing 777 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. P77796HT-3 (3 req'd.)

This unit fits the pitot probe 856 LU located on the nose of the aircraft and when installed will test each system separately or simultaneously.

Pre-Test Probe

Part No. PT17779 (3 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 into centre hole and release plunger. A slight rotating motion in each direction ensures a good seal. This unit is self-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).

Pressurization Port Test Adaptor

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

This unit is stowed in the case.

Pitot Test Hose Assembly

Part No. 777-133 (3 req'd.)

Three 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 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. 767-111 (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 that can be shut off from the front of the panel. The 33410LH-125-4 adaptor is connected thereto and the adaptor to blank off the opposite side of the aircraft is stowed in the case cover.

April 15, 2010

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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.

Pitot & Static Selector Console

Part No. 421-777 (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 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.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

This fluid is used to lubricate the glands of the pitot adaptors. It is recommended that a small amount be placed on the glands before installing adaptor on pitot head. This will ensure smooth installation onto the pitot probe.

Seal Kit -Part No. SK796HT

Three sets of spare seals (high temp) for pitot adaptor - P/N P77796HT-3 are stowed in the case.

Seal - Part No. 334-7

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

Manual

Part No. 444-777-612

One manual is supplied with each kit.

The equipment is enclosed in case assembly Model No. **129XD-777-612**