



AIR DATA ACCESSORIES KIT MODEL No. ADA853-10 DC-10 AIRCRAFT

- Proprietary Information -

This kit contains all the equipment required to test from source the complete pitot & static air data system on the DC-10 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. P52287M-3 (3 req'd.)

These units fit pitot probes 851DK located on the nose of the aircraft and when installed will test each system separately or simultaneously.

Pre-Test Probe

Part No. PT15228 (3 req'd.)

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

Static Test Adaptor

Part No. 33410LH-90-4 (8 req'd.)

To install depress plunger into center 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 mandrill doubles as a pre-test unit. When using as a blanking test adaptor, ensure that the blanking cap is tightened before installation.

The first dash number identifies the size of the hole in the center of the static vent and the last dash number identifies the fitting size (dash 4 indicates 1/4" hose size.)

Pitot Test Hose Assembly

Part No. 757-133 (3 req'd.)

These units are connected to the pitot test adaptors from the designated outlet on the control console, and may be selected as required. Hoses are color 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 (4 req'd.)

A 33410LH-90-4 static test adaptor is attached to each hose assembly for convenience of use. The adaptors to blank off the 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 C.A.D.C. connections or the alternate static connection on the left hand side of the top panel of the control console.

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.



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Lubricating Fluid

Part No. LF5050 (1 req'd.)

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

Pitot Static System Control Console

Part No. 421-527M (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 panel. A facility for testing two pairs of adaptors simultaneously is provided on the top panel. The hoses connected to console and adaptors are color coded at each end for easy system identification.

Seal Kit - Part No. SK287M (3 req'd.)

Three sets of spares seals are stowed in the case.

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

Three spare seals for static test adaptors - P/N 33410LH-90-4 are stowed in the case.

Manual - Part No. 444-853-10

One manual is supplied with each kit.

The equipment is enclosed in a case assembly.