

**AIR DATA ACCESSORIES KIT  
MODEL No. AD953-7  
BOEING 737 CLASSIC  
SERIES 100, 200, 300, 400 &  
500 AIRCRAFT**



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**- Proprietary Information -**

The kit contains all the equipment required to test from source the complete pitot & static air data system on the Boeing 737 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

**Pitot & Dual Static Test Adaptor**

**Part No. PSS22300-3-4-4 (4 req'd.)**

These units fit the pitot static probes P/N 856AE 8 and 13 located on the nose and when installed they will isolate and test each system separately or simultaneously.

**Pre-Test Probe**

**Part No. 953-161 (4 req'd)**

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

**Static Test Adaptor**

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

These units are used to check the pilot's and co-pilot's static system on the aircraft. One is attached to the alternate static hose assembly. When used as a blanking unit, tighten cap on fitting, remove protective cap and insert jaws into static vent.

N.B. Attach hose to unit being used as a tester before installing on aircraft.

The protective cap attached to the 33410LH-125-4 is designed such that it may be used as a pre-test fixture for this unit and if required will prove the integrity of the adaptor, hose and tester prior to being fitted to the aircraft.

**Pitot Test Hose Assembly**

**Part No. 953-7-133-101 (1 req'd.)**

This hose is connected to each 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. 953-7-162-212 (4 req'd)**

These hoses are connected between the control box and the relative connections on the pitot and dual static test adaptor.

**Static Test Hose Assembly**

**Part No. 953-7-161-111 (1 req'd.)**

This assembly is connected to the supply side of the control console and to the static position of the pneumatic generator.

**Hose Assembly Static Input**

**Part No. 953-7-162-211 (1 req'd.)**

This hose assembly is used when it is desirable to use only positions 1 to 4 or position 5.

**Alternate Static Test Hose Assembly**

**Part No. 953-7-165-105 (1 req'd.)**

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

February 22, 2021



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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.

**Five Position Selector Box**

**Part No. 421-767 (1 req'd.)**

This contains all necessary shut-off valves, connections for test hoses and vacuum supply and all outlets, etc. are identified thereon.

**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. SK737 (2 req'd.)**

Two seal kits for pitot & dual static test adaptors are supplied with each kit and are stowed in the case.

**Seal - Part No. 334-7 (1 req'd.)**

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

**Manual - Part No. 444-953-7**

One manual is supplied with each kit.

The equipment is enclosed in a Case Assembly, **Model No. NANUK960-737.**

**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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