

**AIR DATA ACCESSORIES KIT
MODEL No. ADA737-678
BOEING 737NG
SERIES 600, 700, 800, 900,
BBJ & MAX AIRCRAFT
&
BOEING C-40 CLIPPER
AIRCRAFT**



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MODEL No. ADA737-678
BOEING 737NG-600, 700, 800, 900,
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- Proprietary Information -

This kit contains all the equipment required to test from source the complete pitot and static air data system on the Boeing 737NG Series-600, 700, 800, 900, BBJ, MAX & C-40 Clipper 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. P75701M2-3 (3 req'd.)

This unit fits pitot probes 851FJ1 located on the nose of the aircraft and when installed will test each system separately and simultaneously.

Pre-Test Probe

Part No. PT17570 (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-125-4 (6 req'd.)

There are six of these units supplied with the kit. Three of the six static test adaptors are installed on the hose assemblies. To install, depress plunger into the 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 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 center of the static vent and the last dash number identifies the fitting size (-4 indicates ¼" hose size).

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 test 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 control console.

Alternate Static Test Hose Assembly

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

This hose is connected to the alternate static outlet on the control box is supplied with it's own separate vacuum source which 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.

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.



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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 systems test hose assemblies.

Pitot & Static System Control Console

Part No. 421-737-678 (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 color 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 & 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. SK701M2 (3req'd.)

Three sets of spare seals (high temps) for pitot test adaptor - P/N P75701M2-3 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.

Manual - Part No. 444-737-678 (1 req'd.)

One manual is supplied with each kit.

The equipment is enclosed in case assembly **Model No. NANUK960-737-678.**

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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