AIR DATA ACCESSORIES KIT
MODEL No. AD967-47M
BOEING 747-400 AIRCRAFT
& BOEING 747-8 AIRCRAFT

NAV-AIDS LTD.
CAGE Code: 38002

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- Proprietary Information -

The kit contains all the equipment required to test from source the complete pitot and static air data system on the Boeing 747-400 & 747-8 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft. Two Cases are required to store all supplied equipment.

Case 1 *– Consists of the following:*

Pitot & Dual Static Test Adaptor

Part No. PSS44600M2-3-4-4 (4 req'd.)

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

Pre-Test Probe

Part No. PT14460M1 (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 and dual static test adaptors thus simulating the pitot probe.

Static Test Adaptor

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

This adaptor is used to blank off the alternate static vent on the opposite side of the aircraft and is stowed in transit case cover.

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 & 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.

Static Input Test Hose Assembly

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

This hose assembly is used when it is desirable to use only position 1 to 4 or position 5 and 6.

Alternate Static Test Hose Assembly

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

This hose is connected to the alternate static outlet on 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 to this assembly.

Control Console

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

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

February 5, 2026

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Seal Kit - Part No. SK747M2 (2 req'd)

(High Temperature Seals)

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

Seal - Part No. 334-7 (4 req'd)

Four spare seals for static test adaptors are supplied with each kit and are stowed in the main case.

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.

Manual - Part No. 444-747-400M (1 req'd.)

One manual is supplied with each kit.

Case Assembly

Part No. NANUK960-AD967-47M (1 req'd.)

All above listed equipment is enclosed in this Case Assembly (Case 1).

February 5, 2026

Dedicated Static Accessories Kit

Part No. XAD47-400

In order to maintain the portability of the B-747-400 & B-747-8 Air Data Accessories Kit – Part No. AD967-47M, it will be necessary to house the equipment required to test the designated static system in a separate transit case called the *Dedicated Static Accessories Kit (Case 2)*.

Case 2 *- Consists of the following:*

Hose Assembly

Part No. 47M-5160 (1 req'd)

One end of this assembly connects to the designated static outlet of the control console and the static adaptors connect to the static vents of the elevator feel system located on the rear fuselage.

Supply pressure may be connected to the designated static inlet on the control console. Two dual acting quick disconnects are installed as part of the hose assembly.

Static Test Adaptor

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

These units are factory installed onto the hose assembly.

Vacu-Grip Assembly

Part No. 421-8971 (3 req'd.)

Three units are stowed in the Dedicated Static Accessories Kit Case.

Manual - Part No. 444-XAD47-400M

(1 req'd.)

Manual is stored in transit case and list all items in case.

Transit Case Assembly

Part No. NANUK-XAD47-400 (1 req'd.)

The equipment listed above is contained in this transit case (Case 2).

Customer Support

For information or to order replacement parts for this kit or for other types of aircraft, please contact us:

Nav-Aids Ltd.
2955 Diab Street
Montreal, QC.
H4S 1M1
Canada

Tel: 514 332-3077
Toll Free: 877-332-3055
Fax: 514 332-6711

E-mail: info@navaidsltd.net

Website: www.navaidsltd.net

February 5, 2026