

AIR DATA ACCESSORIES KIT
MODEL No. ADA380945
AIRBUS A380 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 Airbus A380 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

Pitot Test Adaptor - LH MFP

Part No. P99380L-4CK1 (1 req'd.)

This unit fits the LH MFP probe located on the nose of the aircraft.

Pitot Test Adaptor - RH MFP

Part No. P99380R-4CK1 (2 req'd.)

These units fit the RH MFP probes located on the nose of the aircraft.

Pre-Test Probe - MFP

Part No. PT19938 (3 req'd.)

When it becomes necessary to test the integrity of the ***Pitot Test Adaptor-LH MFP*** and ***Pitot Test Adaptor-RH MFP*** and/or hoses and test set, these units are installed into adaptors thus simulating the MFP probes.

Pitot Test Adaptor - Standby

Part No. P75400M-4CK1 (1 req'd.)

This unit fits the standby pitot probe located on the left side of the aircraft.

CAUTION: Due to the ***pressure build up*** in adaptor body upon installation on aircraft probe, the following procedure is advised: While installing adaptor onto probe, ***depress valve stem*** of the double acting quick connect to ***vent off*** any potential pressure build up.

Pre-Test Probe - Standby

Part No. PT421-5400 (1 req'd.)

When it becomes necessary to test the integrity of the ***Pitot Test Adaptor-Standby*** and/or hoses and test set, this unit is installed into the adaptor thus simulating the standby pitot probe.

Static Test Adaptor - ISP

Part No. SSS11380M-4C (2 req'd.)

These adaptors fit the ISP ports located on the fuselage of this aircraft. The static test adaptors are fastened to the aircraft by three threaded anchor points. For adaptor handles, spare Allen keys (1/16") and numerous set screws are stored in a plastic container.

Static Test Adaptor - Standby

Part No. S38024M-4C (2 req'd.)

These static test adaptors fit the standby static ports (SBSP) located on the fuselage of this aircraft. The static test adaptors also can be used as blanking adaptors and are fastened to the aircraft by two threaded anchor points. For adaptor handles, spare Allen keys (1/16") and numerous set screws are stored in a plastic container.

Pitot (Total) Test Hose Assembly - LH

Part No. 380-7270 RVSM (1 req'd.)

This hose assembly is connected to Air Data Test Set (ADTS) and accommodates the connecting of the ***Pitot Test Adaptor-LH MFP*** and ***Pitot Test Adaptor-Standby*** with double acting quick connects. The ***Pitot Hose Assembly-RH*** can also be connected to this hose assembly by double acting quick connects.

June 6, 2018



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Pitot Test Hose Assembly - RH

Part No. 380-6360 RVSM (1 req'd.)

This hose assembly is connected to the two **Pitot Test Adaptors-RH MFP** (upper and lower) with double acting quick disconnects. The opposite end is connected to the **Pitot Test Hose Assembly-LH** with a double acting quick connect.

Static Test Hose Assembly - LH

Part No. 380-5160 RVSM (1 req'd.)

This hose assembly is connected to the inlet of the **Static Test Adaptor-ISP** with double acting quick connects. The opposite end is connected to the static outlet of the ADTS. The **Static Test Hose Assembly - RH** and **Static Test Hose Assembly-Standby** can be connected to this hose assembly by double acting quick disconnects close to the ADTS static outlets.

Static Test Hose Assembly - RH

Part No. 380-4059 RVSM (1 req'd.)

This hose assembly is connected to the inlet of the **Static Test Adaptor-ISP** with double acting quick disconnects. The opposite end is connected to the **Static Test Hose Assembly-LH** with double acting quick disconnects.

Static Test Hose Assembly - Standby

Part No. 380-3948 RVSM (1 req'd.)

This hose assembly is connected to the inlets of the two **Static Test Adaptors-Standby** with double acting quick disconnects. The opposite end is connected to the **Static Test Hose Assembly-LH** with double acting quick disconnects.

Reducer Hose Assembly (Static)

Part No. AIRBUS-6-6-4 (1 req'd.)

This assembly is connected between ADTS outlet of static test hose and pneumatic generator, when a 3/ 8" (-6) connection is required.

Seal Kit - MFP

Part No. SK9380 (3 req'd.)

Three sets of spare seals for pitot test adaptors-MFP are stowed in the case. *Allen Key* for the set screw is stowed in the seal kit container.

Seal Exchange Procedures for Test Adaptors-LH & RH MFP:

Removal: The seals inside Test Adaptors - MFP can be replaced by loosening the set screw which is locking the seal holder in place. (*Allen Key* is stowed in the seal kit container). Turn seal holder counter clockwise until separated from adaptor body. Remove the second seal located inside the body of the adaptor.

Installation: Clean all components before assembly. With reference to the drawing, the second seal inside the adaptor body is replaced by working it in place by hand. The seal holder with seal is supplied together as a replacement unit and is installed by carefully threading the seal holder clockwise into the adaptor opening. The seal holder should rest up against the second seal already installed in the adaptor body. With the *Allen key* in hand and holding it by the short end, the set screw should be very lightly tightened to secure the seal holder.

The integrity of the adaptor is verified by applying pitot pressure to the adaptor inlet with the *Pre-Test Probe* installed.

June 6, 2018



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Seal Kit – Pitot Standby

Part No. SK400 (1 req'd.)

One set of spare seals for ***Pitot Test Adaptor-Standby*** are stowed in the case.

Seal Exchange Procedures for Pitot Test Adaptor- Standby:

Removal: The seals inside the Pitot Test Adapter-Standby can be exchanged by removing the circlip located inside the body of the adaptor. The circlip is removed by inserting a suitable pin tool (contained in *Tool Kit-Seal Exchange*) into the small hole in the test adaptor body, located just aft of the compression nut, - and pushing the circlip out of its seat. The compression nut can now be removed along with the spacers and seals from inside the adaptor.

Installation: Clean all components before assembly. The old seals are exchanged with the new ones and placed in the exact same location and sequence between the spacers (Refer to supplied test adaptor drawing in this manual).

Then carefully thread the compression nut onto the test adaptor body and reinstall the circlip.

The integrity of the adaptor is verified by applying pitot pressure to the adaptor inlet fitting with the Pre-Test Probe installed.

Seal - Static Standby

Part No. S40024-7 (4 req'd.)

Four spare seal for ***Static Test Adaptor-ISP & Static Test Adaptor-Standby*** is stowed in the case.

Seal Exchange Procedure for Static Test Adaptors (ISP and Standby):

The seals are exchanged by pulling the seal off from its seat. Cleaning the seal seat of glue and seal residues, then reinstalling and securing the new seal with the use of Sealant, P/N **3M CA8**, - or equivalent.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

This fluid is used to lubricate the seals inside the test adaptors.

This is accomplished by use of finger tip or cotton swab, applying of a very thin film of lubricating fluid to the surface of the pre test probe, inserting the probe into the test adaptor with a rotating motion and then retracting it. This action will ensure smooth test adaptor installation on to the pitot probe and will keep the test adaptor seals moist.

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Tool Kit – Seal Exchange

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

This tool kit contains the necessary tools to assist in seal and gland replacement of adaptors. Instructions on how to change seals are included in the kit.

Manual - Part No. 444-ADA380945

One manual is supplied with each kit.

The equipment is enclosed in case assembly
Model No. PEL1660-380945

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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