



AIR DATA ACCESSORIES KIT MODEL No. PHENOM100-946 PHENOM 100 AIRCRAFT

For Standard & RVSM Testing

- Proprietary Information -

The kit contains all the equipment required to connect and test from source the complete pitot & static air data system (including RVSM) as well as providing the means of pre-testing all test adaptors and hoses prior to being fitted to the Phenom100 Aircraft.

For exact air data test procedures for this aircraft, please refer to the Aircraft Manufacturer's Maintenance Manual.

This kit consists of the following components:

Pitot Test Adaptor

Part No. P74418-3 (2 req'd.)

These units fit the pitot probes 0851LP & 0851LW located on the nose section of the aircraft.

Pre-Test Probe

Part No. PT421-418 (2 req'd.)

When it becomes necessary to test the integrity of the Pitot Test Adaptors, Test Hoses and Air Data Test Set (ADTS), these units are installed into adaptors thus simulating the pitot probes.

Pitot Static Test Adaptor - Standby

Part No. PS88755-3-4 (1 req'd.)

This unit fits the standby pitot probe P/N. 101469-4 located on the nose section of the aircraft.

Pre-Test Probe

Part No. PT421-8755 (1 req'd.)

When it becomes necessary to test the integrity of the Pitot Static Test Adaptor- Standby and/or test hoses and air data test

set, this unit is installed into the adaptor thus simulating the standby pitot probe.

Static Test Adaptor

Part No. SS41960-4-4 (2 req'd.)

These adaptors fit the main static ports located on each side of the fuselage of this aircraft. The static test adaptors are fastened to the aircraft by first removing the three static port filler screws and then attaching the adaptor via the three threaded anchor points.

Pre-Test Plate

Part No. PTS41960 (2 req'd.)

When it becomes necessary to test the integrity of the Static Test Adaptor and/or Test Hoses and Air Data Test Set, the Static Test Adaptor is installed onto the Pre- Test Plate, simulating the static ports.



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Part No. PHENOM-7270 (1 req'd.)

This hose assembly is connected to the Pitot Test Adaptors and Pitot Static Test Adaptor-Standby. The remaining end is connected to the pitot outlet of the Air Data Test Set (ADTS).

Static Test Hose Assembly

Part No. PHENOM-5160 (1 req'd.)

This hose assembly is connected to the designated inlets of the Static Test Adaptors and Pitot Static Test Adaptor-Standby. The remaining end is connected to the static outlet of the Air Data Test Set (ADTS).

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 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 onto the pitot probe and will keep the test adaptor seals moist.

Part No. SK701 (2 req'd.)

Two sets of spare seals for pitot test adaptors are stowed in the clear plastic container.

Seal Kit – Pitot Static Test Adaptor-Standby

Part No. SK8755 (1 req'd.)

One set of spare seals for Pitot Static Test Adaptor-Standby are stowed in the clear plastic container.

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-PHENOM100-946

One manual is supplied with each PHENOM 100 Air Data Kit. This manual contains drawings and parts lists of test adaptors and hose assemblies.

The equipment is enclosed in Case Assembly.