

AIR DATA ACCESSORIES KIT
MODEL No. ADAF10-945
FALCON 10 AIRCRAFT
For Standard & RVSM Testing



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This kit contains all the test adaptors, hoses and accessories required to perform a complete pitot & static air data system test on the Falcon 10 aircraft, as well as the means of pre-testing pitot/static adaptors and hoses prior to being fitted to the aircraft.

RVSM Testing

Nav-Aids Ltd. (RVSM) Air Data Accessories Kits contain all adaptors and hoses required to enable the connection of all static main and standby positions either individually or simultaneously as required.

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

Pitot Adaptor

Part No. P22942M1-3 (2 req'd)

These units fit the pitot probes P/N49380 or 33790/20 located on each side of the aircraft. It provides the connection from the air data test set hose to the aircraft pitot system.

Pre-Test Probe

Part No. PT12294 (2 req'd)

The pre-testers are employed to verify the integrity of the pitot test adaptor, hoses and air data test set. The probe is inserted into the test adaptor while connected to the hose and the air data test set, and by applying pneumatic pressure, the entire assembly can be checked for leaks.

Static Test Adaptor

Part No. SS54510-300-4 (2 req'd)

These units fit the static ports on the fuselage. They can be used as test adaptors or static port blanking units.

Important:

ATTACH THE HOSES TO THIS STATIC TEST ADAPTOR BEFORE INSTALLING IT ON THE AIRCRAFT.

Standby Static Test Adaptor

Part No. 21298-245-4 (1 req'd)

This unit fits the standby static port on the forward section of the fuselage. It can be used as a test adaptor or static port blanking unit. Verification of the integrity of the seal is accomplished by installing the attached protective cover on to the adaptor.

While connected to the static hose assembly and air data test set, and by applying static pressure, the entire assembly can be checked for leaks.

Pitot Test Hose Assembly

Part No. 2000-7270 (1 req'd)

This hose assembly consists of several branches and enables the connection of the air data test set to one or two pitot test adaptors. Self-sealing, double acting quick disconnects are incorporated in the hose assembly to permit the different test adaptor connection combinations.

Static Test Hose Assembly

Part No. FAL10-5160RVSM (1 req'd)

This hose assembly consists of several branches and enables the connection of the air data test set to one, two or all static test adaptors of the main and stand-by system.

(Standard or RVSM testing).



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Self-sealing, double acting quick disconnect fittings are incorporated in the hose assembly to permit different test adaptor connection combinations.

For RVSM test procedures, all static ports (All main and both stand-by static ports) are required to be connected simultaneously to the air data test set. Thus, all test adaptors are installed, performing the function of test adaptors, and the supplied static hose assembly is connected to all test adaptors.

Seal Kit - Part No. SK942M1

Two sets of spare seals for pitot test adaptors are supplied with the kit.

Seal - Part No. 111-370

Four spare seals for static adaptors – P/N SS54510-300-4 are included in the kit and stored in the case.

Seal - Part No. 298245-7

Four spare seals for the standby static test adaptors P/N 21298-245-4 are included in the kit and stored in the case.

Lubricating Fluid

Part No. LF5050

This fluid is used to lubricate the glands of the pitot adaptor. It is recommended that a small amount be placed on the glands before installing adaptor on pitot head. This will ensure smooth installation onto the pitot probe.

Manual – Part No. 444-F10-945

This manual contains outline drawings and parts lists for test adaptors and layout schematics of the pitot and static hose assemblies contained in this Air Data Accessories Kit.

Carrying Case

Model No. 110XD-F10-945

The above listed equipment is contained in this aluminum case lined with dunnage to receive the adaptors and hoses in an orderly fashion.