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**AIR DATA ACCESSORIES KIT
MODEL No. ADAF592-945
FALCON 50, 900 & 2000
AIRCRAFT
For Standard & RVSM Testing**



**AIR DATA ACCESSORIES KIT
MODEL No. ADAF592-945
FALCON 50, 900 & 2000 AIRCRAFT
For Standard & RVSM Testing**

This kit contains all the test adaptors, hoses and accessories required to perform a complete pitot & static air data system test on the Falcon 50, 900 & 2000 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 Test Adaptor

Part No. P55517M1-3 (3 req'd)

These units fit the pitot probes P/N 50520 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. PT15551 (3 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 and 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. SS44111P-60-4 (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. 21298L-225-4 (2 req'd)

These units fit the standby static ports on the forward section of the fuselage.

They can be used as test adaptors or static port blanking units.

Verification of the integrity of the seals is accomplished by installing the attached protective covers on to the adaptor seals, and 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 RVSM (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 three pitot test adaptors.

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

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Static Test Hose Assembly

Part No. 2000-5160 RVSM (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)

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. SK517M1

Three sets of spare seals for pitot test adaptors are contained in this plastic container.

The seals inside the pitot test adapter can be exchanged by removing the circlip located inside the body of the test adaptor.

To remove the circlip, insert a pin tool into the small hole located in front of the compression nut and then push the circlip out of its seat. The spacers and seals can then be removed from inside the adaptor.

The seals are exchanged and placed in the exact same location and sequence between

the spacers, and the package is then pushed back inside the adaptor body.

The circlip is then reinstalled. Then, by inserting the pre-test probe (P/N PT 15551) and connecting the test adaptor to the air data test set the integrity of the pitot test adaptor is verified.

Seal - Part No. 111-370

Four spare seals for static adaptors (P/N SS44111-60-4) are included in the kit and stored in the case.

Seal - Part No. 298225-7

Four spare seals for the standby static test adaptors (P/N 21298L-225-4) are included in the kit and stored in the case.

Manual - Part No. 444-F592-945

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-F592-945 (1 req'd)

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