



**AIR DATA ACCESSORIES KIT**  
**MODEL No. ADAC27J-945**  
**NSN: 1730-15-198-0495**  
**C27J AIRCRAFT**

For Standard & RVSM Testing

*- Proprietary Information -*

This kit contains all the test adaptors, hoses and accessories required to perform a complete pitot & static air data system test on the Alenia C27J 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. P99527-3 (2 req'd.)**

These units fit the pitot probes P/N C16329AA 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. PT19952 (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 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.

**Pitot Test Adaptor Standby Pitot Probe**

**Part No. P63307M1-3 (1 req'd.)**

This unit fits the pitot probe P/N C16330AA located on the right-hand 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. 300-1110 (1 req'd.)**

This pre-tester is employed to verify the integrity of the pitot test adaptor, hoses and air data test set. The probe is employed in the same fashion as for the main pitot test adaptors.

**Static Test Adaptor**

**Part No. S21287-4 (6 req'd.)**

These units fit the static ports on the nose area of 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.

**Pitot Test Hose Assembly**

**Part No. C27J-7270RVSM (1 req'd.)**

This hose assembly consists of three 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. C27J-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).

Self-sealing, double acting quick disconnect fittings are incorporated in the hose assembly to permit different static system 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. SK9527 (2 req'd.)**

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

**Seal Kit**

**Part No. SK307M1 (1 req'd.)**

One set of spare seals for the stand-by pitot test adaptor is contained in this plastic container.

**Seal**

**Part No. 410-7MC (3 req'd.)**

Three spare seals for static adaptors (P/N. S21287-4) are included in the kit.

**Lubricating Fluid**

**Part No. LF5050 (1 req'd.)**

This fluid is used to lubricate the seals of the pitot and static test adaptors. For the Pitot Test Adaptor, it is recommended that a small amount be applied to the Pre- Test Probe. With the Pre-Test Probe inserted in to the pitot test adaptor, the seals are lubricated and ensure smooth installation of the test adaptor onto the pitot probe.

**Manual**

**Part No. 444-C27J-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**

The equipment is enclosed in a case assembly.