

**AIR DATA ACCESSORIES KIT**  
**MODEL No. AD601-945**  
**BOMBARDIER CHALLENGER**  
**CL-600 & 601**  
**For Standard & RVSM Testing**



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**- Proprietary Information -**

The kit contains all the equipment required to test from source the complete pitot and static air data system on the CL-600 & 601 Bombardier Challenger aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

**RVSM Testing**

This kit contains the additional adaptors and hoses required for performing an Air Data Test to the Reduced Vertical Separation Minima (RVSM) where test procedures require the simultaneous connection of all main and standby static ports on both sides of the aircraft fuselage. This differs from the standard air data test, where only one static port per system is connected, and the other port in the same static system is blanked off.

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

**Pitot & Dual Static Adaptor**

**Part No. PSS62148M-3-4-4 (2 req'd.)**

These units interface with the pitot and dual static probes P/N 856KV 7, 8, 9 & 10 located on the nose of the aircraft and when installed they will isolate and test each system separately or simultaneously.

**Pre-Test Probe**

**Part No. PT12148 (2 req'd.)**

To check the integrity of the test adaptors, hoses and pitot static test unit, these units, which simulate the aircraft probes, are installed into the adaptors. The complete system maybe tested prior to being fitted to the aircraft.

**Static Test Adaptor**

**Part No. 33410-70-4 (2 req'd.)**

These units fit the static ports located on each side of the fuselage.

**Pitot System Hose Assembly**

**Part No. 600-7270 (1 req'd.)**

This hose assembly connects to the pitot fitting of each adaptor. The assembly is complete with two sets of dual action quick disconnect fittings for use when it is desirable to test only one pitot system.

The connection for the pitot hose of the pneumatic generator is included on this assembly.

**Static System Hose Assembly**

**Part No. 601-5160RVSM (1 req'd.)**

This assembly attaches to the fittings on static positions one and two of the test adaptor. The double acting disconnects operate in the same manner as that on the pitot test hose assembly. When the second adaptor is interfaced with the probe on the opposite side of the aircraft, for blanking purposes the static position fittings should be capped and tightened.

**Lubricating Fluid**

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

This fluid is used to lubricate the glands of the pitot & dual static and pitot static test adaptors.

Only a very small amount is needed to lubricate the adaptor's interior glands before installing the adaptors onto the aircraft probes.



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This process will help to prolong the life of the seals as well as facilitate a smooth installation of the applicable adaptor onto the corresponding aircraft probe.

Using only 1 or 2 drops, apply a thin film coating onto the surface of the applicable Pre-Test Probe(s).

Then, while using a slight CW/CCW rotation, insert the Pre-Test Probe into the adaptor when setting-up for the 'Pre-Test' stage of the ADTU before hooking up to the aircraft's probes.

***WARNING: Nav-Aids Ltd. ® P/N LF5050, Lubricating Fluid, is the only approved lubricant for this purpose. The use of any other substance may very well have adverse effects that could contribute to a Flight Safety Hazard.***

**Seal Kit**

**Part No. SK148M (2 req'd)**

Two sets of spare seals for pitot and dual static adaptors - P/N PSS62148M-3-4-4 are stowed in the case.

**Seal**

**Part No. 410-7 (2 req'd)**

Two seals for Static Adaptors – P/N 33410-70-4 are stowed in the case.

**Manual**

**Part No. 444-601-945**

One manual is supplied with each kit.

The equipment is enclosed in a case assembly – **Model No. NANUK933-601-945**

**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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