

**AIR DATA ACCESSORIES KIT  
MODEL No. ADCRJ-612  
BOMBARDIER  
CANADAIR REGIONAL JET  
100/200/700/900/1000  
&  
CHALLENGER 800 & 850  
AIRCRAFT**



**AIR DATA ACCESSORIES KIT**  
**MODEL No. ADCRJ-612**  
**CRJ 100/200/700/900/1000 & CL 800/850**  
**- Proprietary Information -**

The kit contains all the equipment required to test from source the complete pitot and static air data system on the Canadair Regional Jet and Challenger aircrafts, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

**Pitot & Dual Static Adaptor**

**Part No. PSS73259-3-4-4 (2 req'd)**

These units interface with the pitot and dual static probes P/N 856KV 9 & 10 located on the nose of the aircraft and when installed they will isolate and test each system separately or simultaneously. Safety compartments are built into these adaptors, which will protect the air data system in the event that units are improperly installed.

**Pre-Test Probe**

**Part No. PT17325 (2 req'd)**

When it becomes necessary 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, thus simulating the complete aircraft system, when the test set is actuated. Hence the complete system may be tested prior to fitting to the aircraft.

This unit is used as assembly jig when unit is dismantled.

**Standby Pitot Adaptor**

**Part No. P75701-3 (1 req'd)**

This unit interfaces with pitot tube 0851HF. Used as a standby pitot tube on; the Canadair Regional Jet. It is stowed in the dunnage of the lower transit case.

**Static Test Adaptor**

**Part No. 33410S-70-4 (1 req'd)**

**&**

**Static Blanking Adaptor**

**Part No. 33410S-70B (1 req'd)**

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

The blanking adaptor – Part No. 33410S-70B is stowed in the case and is used to blank off a rear static vent. The static adaptor – Part No. 33410S-70-4 is attached to the alternate static hose assembly – Part No. CRJ767-105.

**Pitot System Hose Assembly**

**Part No. CRJ-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 system.

**Static System Hose Assembly**

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

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

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**Alternate Static Test Hose Assembly**

**Part No. CRJ767-105 (1 req'd)**

This hose assembly consists of hose of sufficient length to connect directly to the test unit and a 33410S-70-4.

**Vacu-Grip Assembly**

**Part No. 532-4900 (1 req'd.)**

Two of these units are supplied with this kit to provide a means of support for static system test hose assembly. It is to be installed near the static port standby.

**Seal Kit – Part No. SK259 (2 req'd)**

Two sets of spare seals for pitot and dual static adaptor – Part No PSS73259-3-4-4 are stowed in the case.

**Seal Kit – Part No. SK701 (1 req'd)**

One set of spare seals for standby pitot test adaptor – Part No P75701-3 are stowed in the case.

**Seal – Part No. 410S-7 (2 req'd)**

Two spare seals for adaptors 33410S are stowed in the case.

**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.

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.***

**Manual**

**Part No. 444-CRJ (1 req'd)**

One manual is supplied with each kit.

**Case Assembly**

**Part No. NANUK-CRJ-612 (1 req'd)**

Units are contained in a carrying case complete with dunnage, equipment list and identification plate.



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**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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