

AIR DATA ACCESSORIES KIT
MODEL No. BD100-945
BOMBARDIER
CHALLENGER 300 & 350 (BD100)
AIRCRAFT
For Standard & RVSM Testing



AIR DATA ACCESSORIES KIT
MODEL No. BD100-945
CL300 & CL350 (BD100) AIRCRAFT
For Standard & RVSM Testing
- Proprietary Information -

The kit contains all the equipment required to test from source the complete pitot and static air data system on the CL300, CL350 & BD100 aircraft, as well as the means of pre-testing all 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 & Dual Static Test Adaptor

Part No. PSS73260-3-4-4 (2 req'd.)

These units' interface with the pitot and dual static probes P/N 0856WC 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. PT17326 (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.

Pitot Test Adaptor (Standby)

Part No. P75705-3 (1 req'd.)

This unit interfaces with pitot tube 0851LM2 and 0851LV, used as a standby pitot tube on the aircraft.

Pre-Test Probe

Part No. PT421-5705 (1 req'd.)

To check the integrity of the test adaptor, hoses and pitot static test unit, this unit simulates the aircraft probe, is installed into the adaptor. The complete system maybe tested prior to being fitted to the aircraft.

Static Test Adaptor

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

These units fit the static ports located on each side of the fuselage. They are already attached to static test hose assembly – P/N. BD100-5160RVSM VAL.

Pitot Test Hose Assembly

Part No. BD100-7270RVSM VAL (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.

March 17, 2021



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Static Test Hose Assembly

Part No. BD100-5160RVSM VAL (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 purpose the static position fittings should be capped and tightened.

Vacu-Grip Assembly

Part No. 532-4900 (2 req'd.)

One of these units is 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.

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.

Seal Kit - Part No. SK260 (2 req'd.)

Two seal kits for pitot and dual static test adaptors - P/N PSS73260-3-4-4 are stowed in the case.

Seal Kit - Part No. SK705 (1 req'd.)

One seal kit for pitot test adaptor P/N P75705-3 is stowed in the case.

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

Two spare seals for static test adaptors P/N 33410S-70-4 are stowed in the case.

Manual - Part No. 444-BD100-945

One manual is supplied with each kit.

The equipment is enclosed in a case assembly:

Model No. NANUK950-BD100-945.

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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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