

**AIR DATA ACCESSORIES KIT
MODEL No. DH8-834M
DASH 8-100/200/300/400/Q400
AIRCRAFT**



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DASH 8-100/200/300/400 AIRCRAFT
- Proprietary Information -

This kit contains all the equipment required to test from source the complete pitot & static air data system on the Dash 8-100/200/300/400 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

Pitot Test Adaptor

Part No. P22201-3 (2 req'd.)

(Dash 8-100/200/300)

These units fit the pitot probes P/N

PH1100-1DH located on each side of the aircraft and when installed they will isolate and test each system separately or simultaneously, using pitot hose assembly supplied. Slide adaptor onto probe until soft snubber is touched. Hand tighten compression nut until secure. Do not use tools.

Pre-Test Probe

Part No. PT11882 (2 req'd.)

(Dash 8-100/200/300)

When it becomes necessary to test the integrity of the pitot test adaptors and/or hoses and test set, these units are installed into the pitot test adaptors thus simulating the pitot head.

Pitot & Dual Static Test Adaptor

Part No. PSS22202M-3-4-4 (2 req'd.)

(Dash 8-400)

These units fit the pitot probes P/N C14135DA & C14135CA located on the nose and when installed they will isolate and test each system separately or simultaneously. Slide adaptor onto probe until soft snubber is touched. Hand tighten compression nut until secure. Do not use tools.

Pre-Test Probe

Part No. PT421-202M (2 req'd.)

(Dash 8-400)

When it becomes necessary to test the integrity of the pitot & dual static test adaptors and/or hoses and test set, these units are installed into the adaptors thus simulating the pitot head.

Pitot Static Adaptor - Standby

Part No. PS22203M-3-4 (1 req'd.)

(Dash 8-400)

This unit fits the pitot static probe, P/N C16193BA, located on the nose of the aircraft. Due to the fragile nature of the Pitot Probe, the following procedure should be followed. Attach hose to fitting. Slide adaptor on to probe until soft snubber is touched, at the same time lining up the drain hole pads centrally. Tighten compression nut until secure. Tighten pads centrally on to drain holes. Proceed with test. Reverse procedure to remove from Pitot Probe.

Pre-Test Probe

Part No. PT421-203M (1 req'd.)

(Dash 8-400)

When it becomes necessary to test the integrity of the pitot static test adaptor and/or hoses and test set, this unit is installed into the adaptor thus simulating the pitot head.

Adaptor Installation Instructions:

At the start of test set-up; using a finger tip or a cotton swab, apply a thin film of Nav-Aids Ltd. LF5050 lubricant onto the surface of each Pre-Test Probe and then insert each Pre-Test Probe into the corresponding adaptor to lubricate the adaptor's interior glands.

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See LF5050 section for more detailed instruction.

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DO NOT apply the LF5050 directly on the probe located on the aircraft.

DO NOT use any foreign substance that is not approved by De Havilland Aircraft of Canada Ltd.

Static Test Adaptor

Part No. S51089-4 (1 req'd.)

(Dash 8-100/200/300)

This unit fits the Captain's, F.O. and alternate static ports on the aircraft. This is a composite static vent.

N.B. Attach the hose to unit before installing on aircraft.

Static Blanking Adaptor

Part No. S51089B (1 req'd.)

(Dash 8-100/200/300)

This unit is used in conjunction with the above-mentioned test adaptor and is used to blank off the matching static vent on the opposite side of the aircraft. A test port is provided on the unit should it be desirable to check the integrity of the unit.

Static Pre-Test Plate

Part No. PT14097 (2 req'd.)

(Dash 8-100/200/300)

These units are mounted onto the case cover and also act as storage pad. Before testing the integrity of the static test adaptors ensure that the mounting bolts are tight. The static testing and blanking adaptors may be tested separately or as a pair by connecting with the static hose assembly DH-7270CB.

Pitot Test Hose Assembly

Part No. DH-7270CB (1 req'd.)

(Dash 8-100/200/300/400)

This hose is connected to each pitot inlet of the adaptors and is fitted with double acting quick disconnects for use when it is desirable to test only one pitot system. The connection for the pitot outlet of the pneumatic generator is included on this assembly.

Static Test Hose Assembly

Part No. DH-5160CB (1 req'd.)

(Dash 8-100/200/300/400)

This assembly attaches to the static fittings. The double acting quick disconnects operate in the same manner as that on the pitot test hose assembly. The extension fitting then connects to the static outlet hose of the pneumatic generator.

Seal Kit - Part No. SK201 (2 req'd.)

Two sets of spare seals for pitot test adaptors P/N P22201-3 are stowed in the case.

Seal Kit - Part No. SK202M (2 req'd.)

Two sets of spare seals for pitot & dual static test adaptors - P/N PSS22202M-3-4-4 are stowed in the case.

Seal Kit - Part No. SK203M (1 req'd.)

One set of spare seals for standby pitot static test adaptor - P/N PS22203M-3-4 is stowed in the case.



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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.

It is recommended that a very small amount be used to lubricate the adaptors interior glands before installing the adaptors onto the aircraft's probes; this should help to facilitate a smooth installation of the applicable adaptor onto the corresponding aircraft probe.

This is accomplished by applying a thin film coating, (2 - 3 drops) onto the applicable Pre-Test Probe(s).

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

WARNING: Nav-Aids Ltd.® P/N LF5050 lubricating fluid is the only approved lubricant for this purpose. Use of any other substance may very well have adverse effects which could contribute to a Flight Safety Hazard.

Manual - Part No. 444-DH8-834 (1 req'd.)

One manual is supplied with each kit.

The equipment is enclosed in a case assembly - **Model No. NANUK950-DH8-834.**

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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