

AIR DATA ACCESSORIES KIT
MODEL No. ADA145M-945
EMBRAER ERJ-135, 140 & 145
&
EMBRAER LEGACY 600 & 650
AIRCRAFT
For Standard & RVSM Testing



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MODEL No. ADA145M-945
ERJ-135/140/145 & LEGACY 600/650 AIRCRAFT
For Standard & RVSM Testing

- Proprietary Information -

This kit contains all the equipment required to test from source the complete pitot & static system on the ERJ-135, 140 & 145 and LEGACY 600 & 650 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft. This kit permits standard & RVSM Air Data Testing.

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 Adaptor

Part No. P75701-3 (2 req'd.)

These units fit the pitot probes 0851HU and 0851HU3 located on the nose and when installed they will isolate and test each system separately or simultaneously.

Pre-Test Probe

Part No. PT17570 (2 req'd.)

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

Standby Pitot & Dual Static Adaptor

Part No. PSS97865-3-4-4 (1 req'd.)

This unit fits the pitot static probe 856NF located on the nose used as a standby pitot

static tube on the ERJ-135, 140 & 145 aircraft.

Pre-Test Probe

Part No. PT19786 (1 req'd.)

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

Static Test Adaptor

Part No. S34146-4 (4 req'd.)

These adaptors attach to the static vents by removing two static mounting screws and locating the adaptors mounting screw into this position. To mount the adaptors be sure that the pressure seal is retracted slightly inside the bracket before retaining studs.

The large knurled nut controls the forward and retracting action of the seal. It is advisable to attach the hose to the fitting prior to fitting to the aircraft.

Pre-Test Plate

Part No. PT13414-2-2 (2 req'd.)

Pitot Test Hose Assembly

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

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.

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Static Test Hose Assembly

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

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 Air Data Test Set.

CPAM Test Assembly

Part No. CPAM-421 (1 req'd.)

This assembly is used to accomplish maintenance task 21-32-01-700-801A Cabin Pressure Acquisition Module - Functional Test) which checks the Cabin-Pressure Acquisition Module (CPAM) after removal/installation.

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. SK701 (2 req'd.)

Two sets of spare seals for pitot adaptors - P/N P75701-3 are stowed in the case.

Seal Kit – Part No. SK120 (1 req'd.)

One set of spare seals for pitot & dual static adaptor - P/N PSS97865-3-4-4 are stowed in the case.

Seal – Part No. S341-61 (4 req'd.)

Four spare seals for static test adaptors - P/N S34146-4 are stowed in the case.

Manual - Part No. 444-145M-945.

One manual is supplied with each kit.

The equipment is enclosed in a case assembly. **Model No. NANUK950-145M-945**

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Customer Support

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