

**AIR DATA ACCESSORIES KIT
MODEL No. MUSTANG-945
CESSNA CITATION MUSTANG
AIRCRAFT
For Standard & RVSM Testing**



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- Proprietary Information -

The kit contains all the equipment required to connect and test from source the complete pitot & static air data system (including RVSM) as well as providing the means of pre-testing all test adaptors and hoses prior to being fitted to the Cessna Citation Mustang Aircraft.

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

This kit consists of the following components:

Pitot Test Adaptor

Part No. P75705-3 (2 req'd.)

These units fit the pitot probes located on the nose section of the aircraft.

Pre-Test Probe

Part No. PT421-5705 (2 req'd.)

When it becomes necessary to test the integrity of the ***Pitot Test Adaptors, Test Hoses and Air Data Test Set (ADTS)***, these units are installed into adaptors thus simulating the pitot probes.

Static Test Adaptor

Part No. 33410FFAB-125-4 (4 req'd.)

These units fit the static ports located on the fuselage of the aircraft.

Pitot Test Hose Assembly

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

This hose assembly is connected to the ***Pitot Test Adaptors***. The remaining end is

connected to the pitot outlet of the ***Air Data Test Set (ADTS)***.

Static Test Hose Assembly

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

This hose assembly is connected to the inlets of the ***Static Test Adaptors***. The remaining end is connected to the static outlet of the ***Air Data Test Set (ADTS)***.

Seal Kit

Part No. SK705 (2 req'd.)

Two sets of spare seals for pitot test adaptors are stowed in the clear plastic container.

Seal Exchange for Pitot Test Adaptors:

Removal: The seals inside the pitot test adaptor can be exchanged by removing the circlip located inside the body of the adaptor. The circlip is removed by inserting a suitable pin tool in the small hole located just aft of the compression nut and pushing the circlip out of its seat. The compression nut can now be removed along with the spacers and seals from inside the adaptor.

Installation: Clean all components before assembly. With reference to the drawing, the seals are exchanged and placed in the exact same location and sequence between the spacers. Carefully thread the compression nut onto the adaptor body and reinstall the circlip.

The integrity of the adaptor is verified by applying pressure to the adaptor inlets with the Pre-Test Probe installed.

October 27, 2020



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Seal Part – Static Test Adaptor

Part No. 410-7FFAB (4 req'd.)

Four spare seals for **Static Test Adaptor** are stowed in the clear plastic container.

Seal Exchange for Static Test Adaptors:

The seals are exchanged by pulling the seal off from its seat, cleaning the seat of glue and seal residues, then reinstalling and securing the new seal with the use of Sealant, P/N **3M CA8**, or equivalent.

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-MUSTANG-945

One manual is supplied with each Cessna Mustang Aircraft Air Data Kit. This manual contains drawings and parts lists of test adaptors and hose assemblies.

The equipment is enclosed in a case Assembly:

Model No. **NANUK933-MUSTANG-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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