



AIR DATA ACCESSORIES KIT MODEL No. ADAMD11-612 MD-11 AIRCRAFT

- Proprietary Information -

This kit contains all the equipment required to test from source the complete pitot and static air data system on the MD-11 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. P52287M-3 (3 req'd)

These units fit the pitot probes located on the nose of the aircraft and when installed they will test each system separately or simultaneously by selecting related valve on panel face.

Pre-Test Probe

Part No. PT15228 (3 req'd)

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

Static Test Adaptor

Part No. 33410LH-125-4 (6 req'd)

Three of these units are shipped attached to the static test hose assemblies. The other three are used as blanking units. To install, fully depress plunger, insert into center hole of static vent and release plunger. A slight rotation motion in each direction ensures a good seal. This unit is self-sealing, locking, aligning and testing as the protective cap on the mandril doubles as a pre-test unit. To remove from static vent, fully depress

plunger and withdraw. Replace pre-test cap. The first dash number identifies the size of hole in center of the static vent and last dash number identifies the fitting size (-4 indicates 1/4" hose size).

Pitot Test Hose Assembly

Part No. MD11-7270 (3 req'd)

Three of these assemblies are included in the kit and are connected to the pitot adaptor from the designated outlet on the control console and may be selected as required. Hoses are color coded at each end.

Pitot Input Hose Assembly

Part No. 757-214 (1 req'd)

This assembly is used to connect the pitot outlet of the pneumatic generator to the pitot inlet located on the right hand side of the top panel of the control box.

Static Test Hose Assembly

Part No. MD11-5160 (3 req'd)

Three of these assemblies are supplied with the kit. A 33410LH-125-4 static adaptor is attached to each hose assembly for convenience of use.

Static Input Hose Assembly

Part No. 757-211 (1 req'd)

This assembly is used to connect the static outlet of the pneumatic generator to the connection on the left hand side of the top panel of the control console.



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Vacu-Grip Assembly

Part No. 421-8971 (1 req'd.)

One of these units is supplied with each kit provide a means of support for static adaptor hose and to protect against such hazards as work stands, vehicles, etc., during test.

Pitot Static System – Control Console

Part No. 421-737-678 (1 req'd.)

This unit contains all necessary inlets and outlets required to connect the pneumatic generator and the adaptors and hoses to the aircraft sensing system. An instant acting control valve is supplied for each outlet. These valves are shut off when the handle is in the vertical position. The static systems input and output connections and control valves are located on the left side of the panel whilst the pitot system connection and control valves are located on the right side. All inlets etc. are identified on the photo-etched panel. A facility for testing two pairs of static adaptors simultaneously is provided on the top panel. The hoses connected to console and adaptors are color coded at each end for easy system identification.

N.B. Valves should remain in selected position during entire test.

Seal Kit

Part No. SK287M (3 req'd.)

Three sets of spare seals for pitot adaptor – P/N P52287M are stowed in the case.

Seal

Part No. 334-7 (6 req'd.)

Six spare seals for static adaptor – P/N 33410LH-125-4.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

This fluid is used to lubricate the glands of the pitot test adaptors. It is recommended that a small amount be placed on the glands before installing adaptor on pitot head. This will ensure smooth installation onto the pitot probe.

Manual

Part No. 444-MD11

One manual is supplied with each kit.

This equipment is enclosed in a case assembly.