

AIR DATA ACCESSORIES KIT
MODEL No. 1011-319
L-1011 AIRCRAFT

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The kit contains all the equipment to test from source the complete pitot and static air data system on the L-1011 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

Pitot & Dual Static Test Adaptor

Part No. PSS55711-3-4-4 (4 req'd.)

These units are designed to test the pitot and static system of the L-1011 aircraft.

Safety compartments between pitot and both static systems, safeguard against malfunction in cases where the adaptor may not be properly installed, or should a leak develop between the sets of sealing glands.

When installing adaptor on pitot tube, turn compression nut fully counter-clockwise, slide adaptor on to tube carefully until contact is made with snubber. Holding body in this position, tighten compression nut in order to seal system. A very slight amount of lubricating fluid will facilitate this operation.

Pre-Test Probe

Part No. 528-161 (4 req'd.)

The four pre-test adaptors used to verify the condition of the pitot and dual static test adaptors, hoses and test set prior to being fitted to the aircraft, are also stowed in the case cover.

Control Console

Part No. 953-11-901 (1 req'd.)

This unit is permanently mounted in the transit case and colour coded hoses are attached to the outlets which are clearly identified.

The fitting to connect the selector box at the air data tester is also located on the top of the control box and is clearly designated. The

static shut-off and balancing valve is mounted adjacent to the static connections.

On the front of the panel are mounted the outlets and control valves for all four static systems, together with the pitot shut-off and balancing valve connections for the Captain's pitot, First Officers and Standby pitot.

The ADC1 static connection on top of the control box connects to Captain's static, Standby and EC systems when the static shut-off and balancing valve is closed and the ADC2 static fitting is connected to only the First Officer's static when the balancing valve is closed.

When the balancing valve is open and only one test set is connected, other outlet must be capped. This also applies to the ADC1 and ADC2 pitot connections.

The selector valves are on the "ON" or "OPEN" position when the handles are in the horizontal position, and closed when vertical and are so designated on the panel.

N.B. Once selector switches have been moved to required position, they should not be moved until the system is once again returned to the pressure mode which existed when the switch was first selected.

Consult L-1011 manual for current usage instruction.

Alternate Static Test Hose Assembly

Part No. 953-11-311 (1 req'd.)

This assembly consists of the hoses, static test adaptor P/N 21298-370-4 required to carry out the testing of the EC systems.

In order to blank off the vent on the opposite side of the aircraft, tighten the hex nut on to the elbow of the 21298-370-4. This adaptor is stowed in the case cover.



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Vacu-Grip Assembly

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

The purpose of this unit is to suspend the hoses in such a position as to protect the system from being damaged by moving vehicles or other equipment in the vicinity of the aircraft. It is usually fastened to the aircraft skin at a convenient location.

In order to attach, operate trigger, press assembly on to aircraft skin and release trigger.

To remove unit, hold handle and operate trigger once more.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

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

Seal Kit - Part No. SK711

Two sets of spare seals for pitot & dual static test adaptors, P/N PSS55711-3-4-4 are stowed in the kit.

Seal - Part No. 298-7-370

Four spare seals for static test adaptor - P/N 21298-370-4 are stowed in the case.

Manual - Part No. 444-L-1011

One manual is supplied with each kit.

The equipment is enclosed in a case assembly - **Model 129X-L-1011D.**