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**AIR DATA ACCESSORIES KIT
MODEL No. ADA500MD-945
ECLIPSE 500 AIRCRAFT
For Standard & RVSM Testing**



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Description

This kit contains all test adaptors and hoses required to connect the Air Data Test Set (ADTS) to the Eclipse 500 aircraft for the performance of tests of the aircraft's air data systems, as per the relevant Aircraft Maintenance Manual, to either Standard or Reduced Vertical Separation Rules (RVSM) Standards. It consists of the following components:

Pressure Test Adaptor

Part No. APA94520MD-4-4-4 (2 req'd)

These adaptors connect to the Alpha Probes at either side of the aircraft.

Pressure Test Adaptor Installation Procedure:

1. Retract test positions fully before installing adaptor onto pitot probe.
2. Insert probe into adaptor.
3. Tighten compression nut, and
4. Use knurled knob to carefully tighten down each test positions onto probe.
CAUTION: due not over tighten these test positions.

Note: It is best to connect the required test hoses to the fittings of the test adaptors prior to the installation of the test adaptors on to the probes.

Pre-Test Probe

Part No. PT421-4520MD (2 req'd)

When it becomes necessary to test the integrity of the test adaptors, hoses and ADTS, this unit is installed into the adaptors thus simulating the aircraft's probes.

Pressure Test Adaptor

Part No. PS35210MD-4-4 (1 req'd)

This adaptor connects to the aircraft's Pitot static "voting" probe.

Pre-Test Probe

Part No. PT421-5210MD (1 req'd)

When it becomes necessary to test the integrity of the test adaptor, hoses and ADTS, this unit is installed into the adaptor thus simulating the aircraft's "voting" probe.

Pitot Test Adaptor

Part No. P22201MD-4 (1 req'd.)

This unit fits the Alpha probes located on either side of the Aircraft and when installed it will isolate and test each pitot system.

Pre-Test Probe

Part No. PT11882 (1 req'd.)

When this unit is inserted into the adaptor and the extension hose is connected from the pneumatic generator, the complete system, tester, hoses and adaptors can be tested before fitting to the Aircraft.

Static Test Adaptor

Part No. SS53515-4-4 (2 req'd)

This adaptor connects to the dual static vents located on either side of the aircraft.

Pre-Test Plate

Part No. PTS515 (1 req'd)

This pre-test plate is used to verify the integrity of the dual-static test adaptors, hoses, and ADTS prior to testing on the aircraft.

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Pitot Test Hose Assembly

Part No. E500-7270 (1 req'd)

This hose assembly is connected to each Pitot inlet of the test adaptors as per the relevant Eclipse 500 Aircraft Maintenance Manual.

Self-sealing, double acting quick disconnect fittings are incorporated in the hose assembly to permit different test configurations.

Static Test Hose Assembly

Part No. E500-5160 (1 req'd)

This hose assembly is connected to each Static inlet of the test adaptors as per the relevant Eclipse 500 Aircraft Maintenance Manual.

Self-sealing, double acting quick disconnect fittings are incorporated in the hose assembly to permit different test configurations.

Seal Kit

Part No. SK4520MD (2 req'd)

This kit consists of spare seals, stowed in a plastic container, for replacement of the **APA94520MD-4-4-4** Adaptor seals when needed.

Seal Kit

Part No. SK5210MD (1 req'd)

This kit consists of spare seals, stowed in a plastic container, for replacement of the **PS35210MD-4-4** Adaptor seals when needed.

Seal Kit – Part No. SK201MD (1 req'd)

One set of spare seals for pitot test adaptor is supplied with the kit.

Seal Kit

Part No. SK515 (2 req'd)

This kit consists of spare seals, stowed in a plastic container, for replacement of the **SS53515-4-4** Static Test Adaptor seals when needed.

Lubricating Fluid

Part No. LF5050 (1 req'd)

This fluid is used to lubricate the seals inside the test adaptors before the adaptors are installed on the aircraft's tube, by applying a small amount of lubricating fluid to the pre-test probe and then inserting it into the test adaptor with a rotating motion and then retracting.

This action will ensure smooth test adaptor installation on to the aircraft's probe and will keep the test adaptor seals moist.

Manual

Part No. 444-500MD-945 (1 req'd)

This manual contains outline drawings and parts lists for test adaptors and layout schematics of the pitot and static hose assemblies contained in this Air Data Accessories Kit.

The equipment is enclosed in a case assembly – **Model No. 129XD-500MD-945.**