



AIR DATA ACCESSORIES KIT
MODEL No. ADA180-945
PIAGGIO P-180 AIRCRAFT
For Standard & RVSM Testing

- Proprietary Information -

This kit contains all the equipment required to test from source the complete pitot and static air data system on the PIAGGIO P-180 aircraft, as well as the means of pre-testing all adaptors and hoses prior to being fitted to the aircraft.

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 Test Adaptor

Part No. P15589M1-3C (2 req'd.)

These units fit the pitot probes 851AK located on each side of the aircraft and when installed they will isolate and test each system separately or simultaneously.

Pre-Test Probe

Part No. PT11558M1 (2 req'd.)

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

Static Test Adaptor

Part No. 33298L-182-4 (2 req'd.)

This unit is used to interface with the dual static vent mounted on the aircraft. The

fitting is silver soldered to the body and the warning streamer, pre-test cap and blanking cap are attached to rear body by lanyards.

Static Test Adaptor

Part No. 33298S-182-4 (2 req'd)

This unit is similar in construction to the 33298L-182-4 except that it is shorter in order that the fitting may be offset when the units are in operation at the same time. The different lengths allow better access to the compression nut.

Pitot Test Hose Assembly

Part No. 180-7270 (1 req'd.)

This hose is connected to each pitot inlet of the adaptor and is fitted with double acting quick disconnects for use when it is desirable to test only one pitot system. The hose assembly for the pitot outlet of the pneumatic generator is included on this assembly.

Static Test Hose Assembly

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

This assembly attaches to the static adaptors. The double acting quick disconnects operate in the same manner as that on the pitot test hose assembly. The hose assembly for the static outlet of the pneumatic generator is included on this assembly.



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Vacu-Grip Assembly

Part No. 532-4900 (4 req'd.)

Owing to the short entry allowable on the static vents, it is advisable to support the hoses attached to the static test adaptors. This unit is supplied for that purpose.

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.

Seal Kit - Part No. SK589M1 (2 req'd.)

Two sets of spare seals for Pitot Test Adaptor P/N P15589M1-3C are stowed in the case.

Seals – P/N 298L-71 (8 req'd.)

Eight spare seals for Static Test Adaptors are stowed in the case.

Manual - Part No. 444-P180-945

One manual is supplied with each kit.

This equipment is enclosed in a case assembly.