



AIR DATA ACCESSORIES KIT MODEL No. SH09-612 SH09 HELICOPTER

- Proprietary Information -

This kit contains all the equipment required to test from the Air Data Test Set (ADTS) the complete Pitot & Static Air Data System on the SH09 Helicopter, - as well as the means of pre-testing the Test Adaptor and Test Hoses prior to being fitted to the Air Data Probe.

Pitot Static Test Adaptor

Part No. PS88755-3-4 (1 req'd.)

This Test Adaptor fits the Air Data Probe P/N 101469-4-004. The Probe is located on the Center Nose Section of the Helicopter.

The Test Adaptor is equipped with AN-3 (Pitot) and AN-4 (Static) Test Hose Fittings (Male).

Note: Test Hoses are to be connected to the Test Adaptor Hose Fittings prior to Test Adaptor installation on to the Helicopter Probe.

Wrenches in the size of 9/16" and 7/16 "are required.

With the Test Adaptor installed, testing the pitot and static system simultaneously or separately is possible.

Pre-Test Probe

Part No. PT421-8755 (1req'd.)

With this Pre-Test Probe inserted into the Test Adaptor and with Test Hoses connected from the Air Data Test Set (ADTS), - the test adaptor, test hoses and ATDS can be tested prior to installation

on the helicopter air data probes, - by applying pitot and static pressure from the ADTS.

Further, the Pre-Test Probe is also employed to lubricate the Glands inside the Test Adaptor. (See Lubricating Fluid LF5050 in this manual).

Pitot Test Hose Assembly

Part No. SH09-7270 (1 req'd.)

This Test Hose Assembly is connected to the Pitot inlet of the Test Adaptor and the other end of the test hose is connected to the ADTS Pitot Outlet Fitting (Size AN-4 Male).

Static Test Hose Assembly

Part No. SH09-5160 (1 req'd.)

This Test Hose Assembly is connected to the Static Inlet of the Test Adaptor and is equipped at the other end to the ADTS Static Fitting (Size AN-4 Male).

Please note: The above ADTS Test Hose Outlet Fittings are as described for the GE Druck or Barfield ADTS.

Seal Kit - Part No. SK8755 (1 req'd.)

One set of Spare Seals for the Pitot Static Test Adaptor P/N PS88755-3-4 is stowed in a container.



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

One Seal Exchange Tool kit is supplied with this kit. The tools assist in the exchange of Glands and Spacers inside the Test Adaptor.
See the Specific Instructions Manual inside the Tool Kit.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

This fluid is used to lubricate the Glands of the Pitot Static Test Adaptor. It is recommended that a small amount (droplets) be applied to the Pre-Test Probe, then insert the Pre-test Probe with a turning action into the Test Adaptor and remove. This will ensure smooth test adaptor installation on to the helicopter air data probe.

Manual - Part No. 444-SH09-612

One Manual is supplied with each Air Data Accessories Kit.
The Manual contains the List of Equipment and Detail Drawings of Components contained in the Air Data Accessories Kit.

Storage Case

Part No. NANUK925Y-SH09-612

All the above Equipment is enclosed in this Heavy Duty Case with Component Storage Dunnage.