

**ADAPTOR SET
PITOT STATIC TEST
MODEL No. ADA16-612
F-16 AIRCRAFT
NSN: 4920-01-081-1525**



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(Supersedes P/N: 16U14571-1, NSN: 4920-01-081-1525)

This kit contains the equipment required to test the pitot & static system on the F-16 aircraft, as well as the means of pre-testing the adaptors and hoses prior to being fitted to the aircraft.

Pitot Static Adaptor

Part No. PS77900-4-6 (1 req'd.)

This adaptor interfaces with the pitot static probe 855EG located on the nose of the aircraft and when installed will enclose the pitot inlet and drain holes together with preparing the static system for test.

INSTALLATION: Attach hoses to adaptor. Turn the compression nut fully counter clockwise and install the adaptor onto the probe until the soft snubber is contacted by the tip of the probe. Position the sealing pad centrally over the rear pitot drain hole. Tighten the compression nut and rear drain seal.

Pre-Test Probe

Part No. PT17790 (1 req'd.)

This unit simulates the pitot static probe and when installed operationally into the test adaptor will prove the integrity of the adaptor, hoses and test set before being applied to the aircraft system. This unit may also be used as the test fixture on the bench after the adapter has been stripped and reassembled during overhaul.

Flush Static Adaptor

Part No. 33422-70-6 (2 req'd.)

This unit attaches to the static vent located on the side nose position of the aircraft. The hose should be attached before the unit is fitted to the static vent. A slight back and forth pushing motion will seal the seal like a suction cup thus eliminating the possibility of leaks.

Pitot Test Hose Assembly

Part No. F16-7370C1 (1 req'd.)

This hose assembly attaches to the pitot position of the PS77900-4-6 adaptor and to the pitot outlet of the TTU/205 test set.

Static Test Hose Assembly

Part No. F16-2837C1 (1 req'd.)

This hose assembly attaches to the static position of the PS77900-4-6 adaptor and to the static outlet of the TTU205 test set.

Test Hose Assembly

Part No. F16-3948 (2 req'd.)

This hose assembly is utilized when used in conjunction with the alpha probe test set.

Test Hose Assembly

Part No. F16-8482 (2 req'd.)

This hose assembly is utilized when used in conjunction with the alpha probe test set.

March 18, 2009



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Vacu-Grip Assembly

Part No. 421-7900 (2 req'd.)

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

Miscellaneous Fittings

Part No. AN824-4D (1 req'd.)

Part No. AN824-6D (1 req'd.)

When the hose assemblies F16-3948 and F16-8482 are used the fittings AN824-4D and AN824-6D are used to couple the hoses of the same size together.

These fittings are in the same container and showed in the case and identified.

Seal Kit – Part No. SK900 (1 req'd.)

One set of spare seals (glands) for test adaptor P/N. PS77900-4-6 are stowed in the case.

Seal Part

Part No. 422-7 (2 req'd.)

These seal parts are for flush static adaptor P/N. 33422-70-6 and are stowed in the same container as the seal kit.

Manual – Part No. 444-F16

One manual is supplied with each kit.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

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

The equipment is enclosed in a case assembly, **F16-STR-612**.