TTU-205J can meet requirements for
RVSM Compliance

Standardize from TTU-205
/D/F/G/H Models

TTU-205J National Stock Number
4920-01-512-7743

TTU-205J Part Number (USAF)
200317658-30

TTU-205J Retrofit Kit Part Number
TVCS-5200

TTU-205J Standardization Program

The TTU-205J Standardization Program provides TTU-205 users with the highest degree of accuracy. This conversion is available for all TTU-205/D/F/G/H and Flight Line Maintenance test Set (FLMTS) models can be performed in-country or by TestVonics. As of August 2011, over 1,200 USAF TTU-205 assets have been upgraded to the TTU-205J.

Program Benefits

Automated calibration and test procedures available using the USAF approved Enhanced Calibration Capability (ECC) software or ADC-2500 Series Air Data Calibrators. ECC automates TTU-205J testing and calibrations. The program reduces circuit board damage and provides automated transducer correction and re-characterization lowering time to calibrate and increasing operational readiness. The TTU-205J also provides improved accuracy over the full range of altitude and airspeed pressure, including those ranges required for compliance with the Reduced Vertical Separation Minimum (RVSM) program. Other benefits of the program include:

- TTU-205J Standardization - test sets can be sent to TestVonics for upgrade; calibration, repairs and/or overhauls can be performed if necessary.
- In-Country Field Retrofit Kits - operational units can be modified in-country using the TTU-205J Retrofit Kit.
- RVSM Compliance - improved transducer calibrations allowing for full RVSM compliance and automatic correction curve fits within 0.001 inHg of reading.
- Increased Reliability - ECC software correction eliminates requirements for soldering circuit boards; reliability is increased through elimination of damage due to soldering and lower board count (the A5 board is removed).

TTU-205J Retrofit Kit

The kit (Part No. TVCS-5200) can be used to upgrade any TTU-205/D/F/G/H test set in about 30 minutes. Once the installation is completed, the test set becomes a TTU-205J. The retrofit kit includes one each of the following:

- A2 ECC Printed Circuit Board   NSN: 5998-01-509-8040
  Replacing the A2 & A5 circuit boards, this PCB increases system accuracy, automates calibrations and eliminates soldering board for calibration without affecting the operating firmware or Flight Line testing requirements.

- A1 I/O Printed Circuit Board   NSN: 5998-01-515-9821
  The new enhanced PCB safeguards the TTU-205 circuits from shorting out, isolating fault problems, and increasing system reliability. Additionally the A1 PCB provides enhanced reliability and repairability and features

- Decal & Marking Kit   NSN: 4920-01-513-5680
  Replaces the front panel and case decals with the new **TTU-205J** **designation**.

TTU-205 Support Equipment

Aircraft Pitot Static Adaptors and Kits

TestVonics offers Pitot-Static adaptors and adaptor kits for most of the worlds military and commercial aircraft. These products are unrivalled in quality & simplicity of design to connect the test set to the aircraft. TestVonics also offers custom designed Pitot Static Adaptor Hose Kits for most aircraft. aircraft. Adaptors and kits vary by aircraft, please specify aircraft when ordering.

TTU-205 Hose Kits & Adaptors

- TTU-205 Hose Sets
- Leak Tune-Up Kits

- Custom Hose Kits with Pitot Static Adaptors are available, call for more information

Pump Service Life Extension Kit (SLEK) Part No. 225600

The Service Life Extension Kit (SLEK) replaces the entire center body assembly of the pump. It can be installed in less than 1 hour, greatly reducing the time to repair, while improving pump performance and extending service cycles
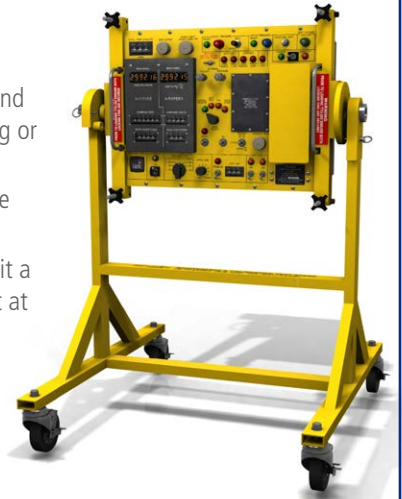
Maintenance Test Stand (MCTS) Part No. TVCS-6000-2

NSN: 4920-01-501-8095
Part No. TVCS-6000-2

- Designed to assist the military and commercial labs when calibrating or repairing TTU-205 test sets
- Rotating mounting arms lock the TTU-205 front panel in place
- Allows the user to swivel the unit a full 360° and allow lock the unit at 45° increments
- Allows full access to all assemblies while mounted

TTU-205 DVD Training P/N: TVCS-205-DVD

This DVD Program outlines installation of the TTU-205J Retrofit Kit, initialization of the new TTU-205J using the ADC-2500 Air Data Calibrator (or Enhanced Calibration Capability software), installation of the Service Life Extension Kit (SLEK) and troubleshooting training (through easy to navigate videos) on how to quickly isolate problems with the TTU-205 Pneumatics and Electronic system. Technicians can learn the latest adjustment, diagnostic and measure techniques for heater circuit, servo gain and stability adjustments.

NEW

TTU-205 and FLMTS Spare Parts

TestVonics has new and overhauled spare parts and assemblies for TTU-205 testers. Spares are available for the TTU-205/D/F/G/H/J, C/E and FLMTS. Most items are in stock and ship fast.

- Hose Assemblies & Leak Kits
- Ps and Pt Transducers
- Servo Valves
- Pumps and Pump parts
- Printed Wiring Boards
- Cables and Accessories

- Pump Maintenance Kits
- Couplings, caps and plugs
- Overhauled and new cases
  Call for a quote