

H-47D/F FCTS

H-47D/F FADEC Continuity Test Set

An UxValidator™ Family Pod Set

On-Aircraft Testing

- Requires the use of UxValidator Series II
- Complete FADEC wiring system analysis
- Pin pair analysis including back shells, grounds, and shields
- FADEC control panel analysis including switches
- ECL control panel analysis including micro switches
- Separates engine from airframe systems for easier troubleshooting
- Analytics identify changes in wiring systems
- Real-time pin pair testing capability
- Scans and analyzes connectors in less than 3½ minutes each
- 18 individual connection points provide complete FADEC system electrical coverage

H-47 FCTS Test Set

The FCTS uses the PET Scanner to rapidly image aircraft connector electrical properties, providing actionable analysis to identify differences in the wiring system. Testing requires no aircraft electrical power (static state operation).

A preventive scan of the complete FADEC system (all 18 connection points) takes about 45 minutes. For troubleshooting, individual connection points can be scanned to quickly determine next steps.

The FCTS can scan and analyze the T-55 engine electrical system independently from the aircraft's internal wiring while the engine remains installed.

After completing a connector scan, the BrainPak generates an image using complex algorithms and displays it on the UxValidator Series II screen, enabling more accurate troubleshooting decisions with visual support.

The Latch/Hold functions on the UxValidator allow the user to actively and accurately test specific pin pairs, and provides the measurements on the UxValidator screen in real time.

FCTS Set Parts and Descriptions

Part Number	NSN	Description
11-0614-00	NSN 4920-01-664-5523	H-47F
23-0300-00		CH-47D FCTS



Size and Weight (INCHES/POUNDS)

H-47 FCTS Pod Set			
Width	Height	Depth	Weight
14	7	14.25	18

H-47 FCTS and ETTS

The FCTS Set, when partnered with ETTS provides total torque meter system troubleshooting coverage.

UxValidator™ Technology

The UxValidator family of test solutions delivers versatility, ease-of-use and reliability never before available in portable, application-specific troubleshooting equipment.