

CH-47 ETTS

CH-47 Chinook Engine Torquemeter Test Set

An UxValidator™ Series II Pod Set

On-Aircraft Testing

- Diagnoses which engine is causing a torque split and adjusts the J-Box at the aircraft – no component removal, no engine swap-and-test
- Tests both engines simultaneously in under 30 minutes
- No warm-up required
- Performs Voltage Ratio and Vo Cal calculations automatically
- Replaces the legacy Flight Line Test Set
- Pairs with the CH-47 FCTS for total torquemeter system coverage
- AMCOM Approved
- Requires the UxValidator Series II

CH-47 ETTS Pod Set

The CH-47 Engine Torquemeter Test Set, used with the UxValidator Series II, presents complete torquemeter-system condition for both T55 engines on all CH-47 Chinook models. The ETTS drives stimulus into the torquemeter signal path and the UxValidator presents the response at its source – clean signal in, clean indication out, decisions made from what the aircraft actually shows.

Both engine torquemeter systems test simultaneously. When the indication shows a torque split, the ETTS diagnoses which engine is the cause and supports J-Box adjustment at the aircraft – without removing components and without an engine swap-and-test. Voltage Ratio and Vo Cal calculations run automatically; the UxValidator returns a pass/fail indication when the system is in tolerance.

Complete aircraft test time for both engines runs under 30 minutes, with no warm-up required. The ETTS replaces the legacy Flight Line Test Set with a single Pod Set that covers diagnosis, calibration, and verification in the same on-aircraft workflow.

ETTS Set Parts and Descriptions

PART NUMBER	NSN	DESCRIPTION
09-1009-02	4920-01-602-5597	CH-47 Engine Torquemeter Test Set



Size and Weight (INCHES / POUNDS)

CH-47 ETTS POD SET			
WIDTH	HEIGHT	DEPTH	WEIGHT
19	7	14.25	18

UxValidator™ Technology

The UxValidator presents condition evidence at its source – clean stimulus, clean response, decisions made from what the aircraft actually shows. The UxValidator family of test solutions preserves maintainer authority by surfacing evidence inside existing procedures, not by replacing them.