

Engineering Services

- Reliability Centered Maintenance Solutions
- Optimized Maintenance Solutions
- Fleet Management Tools
- Custom Design/Build Solutions
- Test Stand Sustainment and Integration
- Publications Management Services
- Advanced Training Systems
- Specialized Equipment



For over 40 years StandardAero has used engineering innovation to create industry leading time on wing, reliability, and turn times for our engine MRO. These engineering services are available to assist your organization in realizing these same results. StandardAero can help your organization increase reliability and **decrease cost** through:

Reliability Centered Maintenance

Make your data work for you. RCM can be used for fleet simulation and modeling to determine the best long-term maintenance strategy for your fleet.

Engine Workscope Optimization

Replacing too many components results in reliable, but very expensive engines. Workscope Optimization allows every engine in the fleet to operate at its lowest possible operating cost per hour.

Engine Test Stand Sustainment

From test cell design, to our proactive maintenance optimization approaches and our deep knowledge on test stand sustainment, we can increase your availability and reliability, while lowering your test cell operating costs.

e-Publications

What used to be digital versions of paper manuals are now interactive systems combining manuals with 3D integrated training and knowledge bases, all linked and customized to your needs.

MicroMonitor

A simple, intuitive device capable of accurately recording the time and number of operating cycles accumulated over time. MicroMonitor allows you to track the specific usage history of any component to optimize maintenance schedules, minimize stub life, and reduce unscheduled maintenance.

T56 Engine Specilized Equipment

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StandardAero

Engineering Services

T56 Engine Specialized Maintenance Equipment Catalogue

2020

StandardAero reserves the right to amend specifications, and other information included without notice. While the information has been reviewed, no responsibility for possible errors or omissions can be assumed. Prices subject to restrictions and final work scope.

“Nose” Stand

- **StandardAero Part Number:**
SA10890
- **Function:** Allow for maintenance of T56-15 engines with easier access and minimal obstructions.
- **Safety:** Designed for engine only (not engine and QEC)
- **Dimensions (LWH):** 118” X 60” X 136”
- **Max Conditions (Capacity):** 2 engines with or without RGB per “Nose” Stand
- **Included Equipment:** Turnkey “Nose” Stand system
- **Instructions / Manual:** Included
- **Test Sheets:** N/A
- **Not Included (Required):** Facility Power (electricity and compressed air) and Supporting Jack Stand.
- **Maintenance Instructions:** Included
- **Training:** Optional
- **Modifications Required:** 1) Add two 120 PSI compressed air harnesses, 2) Add electrical plug harness. Items 1 and 2 will be included. 3) (Optional) Modify lowest position and stop blocks if desired to transfer engine to “Nose” stand directly from a roll-over stand.
- **Warranty:** 1 year

Not Pictured

QEC Upper Kit Maintenance Stand

- **StandardAero Part Number:** SA45390
- **Function:** Allow maintenance of QEC upper with easier access and fewer obstructions.
- **Safety:** Not designed to be transported at high speeds or on rough surfaces. Not designed to support engine.
- **Dimensions (LWH):** 78" X 46" X 63"
- **Max Conditions (Capacity):** One QEC Upper Kit
- **Included Equipment:** Stand and Casters (8"), Rear casters fixed, Front casters swivel.
- **Instructions / Manual:** Included
- **Test Sheets:** N/A
- **Not Included (Required):** Tow Bar (Low Boy tow bars will fit equipment).
- **Maintenance Instructions:** Periodic inspection of attaching hardware for wear.
- **Training:** Optional
- **Modifications Required:** N/A
- **Warranty:** 1 year



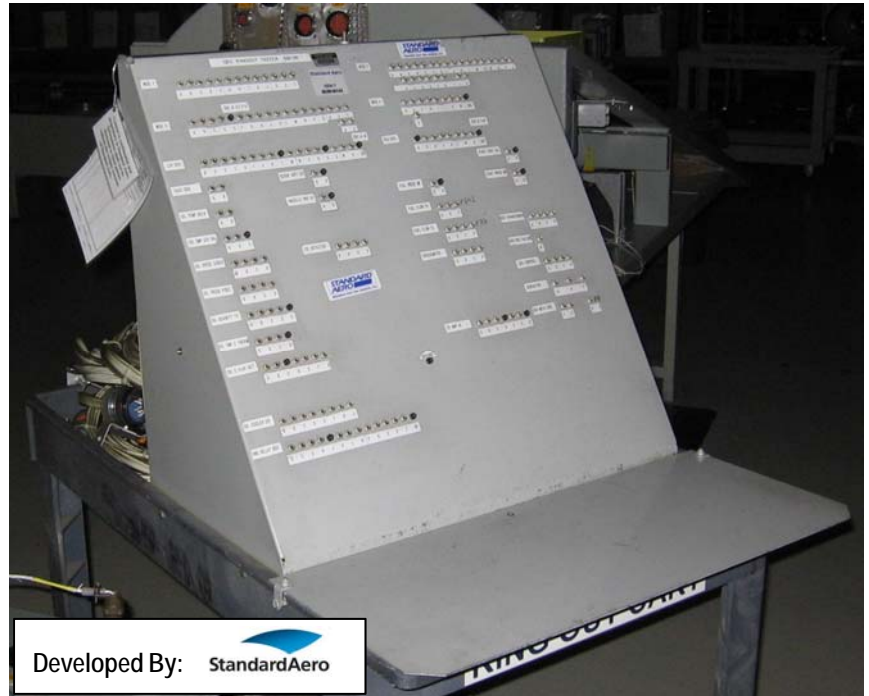
QEC Wire Harness Buildup Stand

- **StandardAero Part Number:** SA23709
- **Function:** Fixture to allow complete build-up and testing of the QEC wiring harness (KVA and 60/90).
- **Safety:** N/A
- **Dimensions (LWH):** 72" X 36" X 48"
- **Max Conditions (Capacity):** N/A
- **Included Equipment:** Stand, Terminals, KVA and 60/90 adapters. Starter pressure switch included.
- **Instructions / Manual:** Included
- **Test Sheets:** Included
- **Not Included (required):** N/A
- **Maintenance Instructions:** Included
- **Training:** Optional
- **Modifications required:** 1) Propulsion System and Prop Balance testing capabilities. Item 1 will be included.
- **Warranty:** 1 year



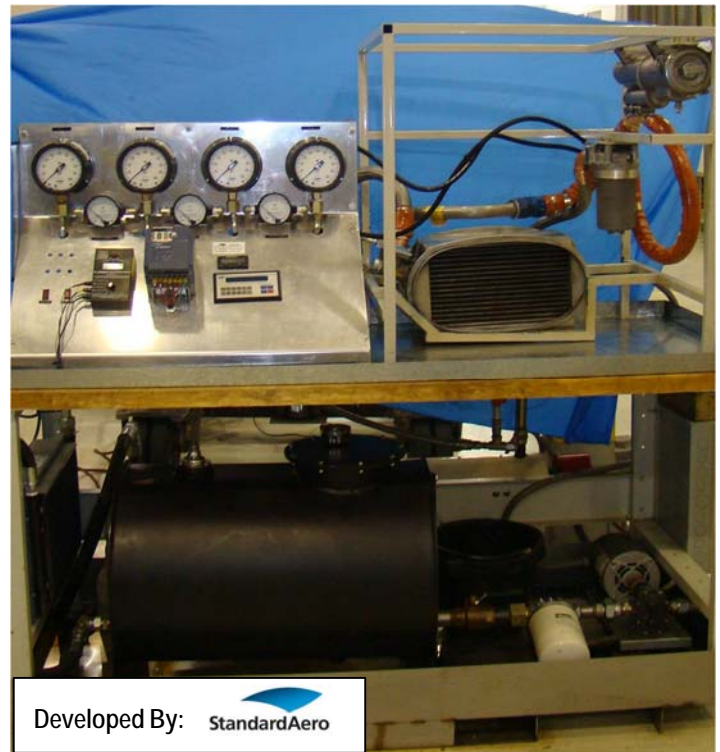
QEC Wire Harness Tester Specifications

- **StandardAero Part Number:** SA45190
- **Function:** Electrical panel for testing of the QEC wiring harness KVA and 60/90 (also tests Starter pressure switch).
- **Safety:** N/A
- **Dimensions (LWH):** 36" X 24" X 48"
- **Max Conditions (Capacity):** N/A
- **Included Equipment:** Tester, Transport cart, and Connecting wire harnesses.
- **Instructions / Manual:** Included
- **Test Sheets:** Included
- **Not Included (Required):** N/A
- **Maintenance Instructions:** Included
- **Training:** Optional
- **Modifications Required:** 1) Power / Ground, 2) Propulsion System and 3) Prop Balance testing capabilities. Items 1 through 3 will be included.
- **Warranty:** 1 year



Oil Cooler and Fuel Heater Strainer Tester

- **StandardAero Part Number:** SA16375
- **Function:** Testing which simulates the FHS and Oil Cooling bypass and back-pressure as a matched set. Adding filter to set can be incorporated.
- **Safety:** Warning oil temperature and pressurized lines.
- **Dimensions (LWH):** 60" X 36" X 60"
- **Max Conditions (Capacity):** 90 degrees Celsius oil temp, 36 PSI oil pressure
- **Included Equipment:** Tester with Stand
- **Instructions / Manual:** Included
- **Test Sheets:** Included
- **Not Included (Required):** Oil, 3 Phase 208 volt power source (32 amps max usage)
- **Maintenance Instructions:** Included
- **Training:** Optional
- **Modifications Required:** 1) Enclose component testing area of the stand (spray shield), 2) Modify the drain system for easier drainage and filling of the main tank, 3) Install oil level sight-glass, 4) Install partial enclosure of the lower system components. Items 1 through 4 will be included. 5) (Optional) Add 2 more pressure sensors and gauges if delta across filter desired.
- **Warranty:** 1 year



Lower Longeron Rodney Fixture (Jig)


- **StandardAero Part Number:** SA10670
- **Function:** For the removal and replacement of the Left and Right Longerons of the T-56 QEC Kit Oil Cooler Duct Assembly
- **Safety:** Not designed to support engine.
- **Dimensions (LWH):** 70" X 24" X 78"
- **Max Conditions (Capacity):** Lower Longeron only
- **Included Equipment:** Lower Longeron Rodney Fixture (Jig)
- **Instructions / Manual:** Included
- **Test Sheets:** N/A
- **Not Included (Required):** N/A
- **Maintenance Instructions:** Included
- **Training:** Optional
- **Modifications required:** N/A
- **Warranty:** 1 year



Chin Scope Maintenance Fixture (Assy)

- **StandardAero Part Number:** KT06-005
- **Function:** For the disassembly and assembly of the C-130H QECK Chin Scoop
- **Safety:** Not designed to be transported at high speeds or on rough surfaces. Not designed to support engine.
- **Dimensions (LWH):** 36" X 24" X 35"
- **Max Conditions (Capacity):** N/A
- **Included Equipment:** Chin Scoop Maintenance fixtures includes Specialized fixture P/N KT06-005 and Universal Engine Stand P/N 6796643
- **Test Sheets:** N/A
- **Not Included (Required):** N/A
- **Maintenance Instructions:** Optional
- **Training:** Optional
- **Modifications required:** N/A
- **Warranty:** 1 year



Developed By:  StandardAero

2020 Catalogue StandardAero Support Equipment

Nomenclature	Part Number	Price	Note
Maintenance and QEC Build-Up Stand	SA10890	Quote	<i>Discontinued</i>
QEC Upper Kit Maintenance and Storage Stand	SA45390	\$ 10,200	
QEC Wire Harness Buildup Stand	SA23709	\$ 25,100	
QEC Wire Harness Tester	SA45190	Quote	
Oil Cooler And Fuel Heater Strainer Tester	SA16375	Quote	
Lower Longeron Replacement Fixture (Rodney Jig)	SA10670	\$ 23,100	
Chin Scoop Maintenance Fixture (Assy)	KT06-005	\$ 48,750	

Note:

StandardAero's Standard Terms and Conditions Apply.

Prices subject to final work scope, delivery terms, and availability.