

# AFSC 2A6X1

# AEROSPACE PROPULSION



## CAREER FIELD EDUCATION

## AND TRAINING PLAN

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**CAREER FIELD EDUCATION AND TRAINING PLAN**  
**AEROSPACE PROPULSION,**  
**AFSC 2A6X1**  
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**CAREER FIELD EDUCATION AND TRAINING  
PLAN AEROSPACE PROPULSION  
AFSC 2A6X1**

**PART I**

***PREFACE***

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for 2A6X1, Aerospace Propulsion specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. This CFETP supersedes 2A6X1 (C/D/E/F/G) and 2A6X1 (H) CFETPs, both dated 1 Oct 15. To read, review, or print a copy of the current CFETP, go to the Air Force e-Publishing Website at: <http://www.e-publishing.af.mil/> and search for 2A6X1.

NOTE: Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts. Supervisors will use both parts to plan, manage, and control training.

**2.1.** Part I provides information necessary for overall management of the specialty. Section A explains how supervisors, trainers, and trainees will use this plan. Section B identifies Air Force Specialty (AFS) progression information, duties and responsibilities, training and education strategies, and career path. Section C associates each skill level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints to accomplishing this plan, such as funds, manpower, equipment, and facilities.

**2.2.** Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training; Air Education and Training Command (AETC) conducted training, wartime course/core task and correspondence course requirements. Section B contains the course objective list and training standards supervisors will use to determine if airmen have satisfied training requirements. Section C identifies available support materials, such as Qualification Training Package (QTP) which may be developed to support proficiency training. Section D identifies a training course index that supervisors can use to determine if resources are available to support training. Included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

3. The guidance provided in this CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs.

**ABBREVIATIONS/TERMS EXPLAINED**

**Advanced Training:** Formal course for individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills and knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

**Air Force Job Qualification Standard (AFJQS):** A comprehensive task list describing a particular job type or duty position. Supervisors use the AFJQS to document task qualifications. The tasks of AFJQS are common to all individuals serving in the described duty position.

**Career Field Education and Training Plan (CFETP):** A CFETP is a comprehensive core training document that identifies: life-cycle education and training requirements; training support resources, and minimum core task requirements for a specialty. The CFETP aims to give personnel a clear path and instill a sense of industry in career field training.

**Continuation Training:** Additional advanced training exceeding the minimum upgrade training requirements with emphasis on present or future duty assignments.

**Core Task:** Tasks the AFCFM identify as minimum qualification requirements for everyone within an AFSC, regardless of duty position. Core tasks may be specified for a particular skill level or in general across the AFSC. Guidance for using core tasks can be found in the applicable CFETP narrative.

**Course Objective List (COL):** A publication derived from initial and advanced skills CTS, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3- or 7-skill level in this career field. Supervisors use the CoL to assist in conducting graduate evaluations.

**Course Training Standard (CTS):** Training standard that identifies the training members will receive in a specific course.

**Enlisted Specialty Training (EST):** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

**Exportable Course:** Instructional packages that personnel design for use in the field. The course may include printed, computer-based, or other audiovisual materials.

**Field Training (Type 4):** Technical, operator, and other training either a TD or field training team conducts at operational locations on specific systems and associated direct-support equipment for maintenance and aircrew personnel.

**Field Training (Type 7):** Field training conducted by mobile training team (MTT).

**Initial Skills Training:** A formal school course that results in an AFSC 3-skill level award for enlisted or mandatory training for upgrade to qualified officers.

**Instructional System Development (ISD):** A deliberate and orderly, but flexible, process for planning, developing, implementing, and managing instructional systems. It ensures that personnel

are taught in a cost-efficient way the knowledge, skills, and attitudes essential for successful job performance.

**MAJCOM Mandatory Course List (MMCL):** Courses that the Major Command of assignment identifies as mandatory requirements for an Air Force Specialty while assigned.

**Occupational Analysis:** Collecting and analyzing factual data on the tasks and/or knowledge's performed by Air Force career fields. This data is used to provide personnel and training decision-makers with factual and objective job information which enables them to justify and/or change personnel utilization policies and programs, refine and maintain occupational structures, and establish, validate, and adjust testing and training programs. It is reported in an Occupational Analysis Report (OAR).

**On-the-Job Training (OJT):** Hands-on, "over-the-shoulder" conducted to certify personnel in both upgrade (skill level award) and job qualification (position certification training).

**Qualification Training (QT):** Hands-on performance training designed to qualify an Airman in a specific position. This training occurs both during and after upgrade training to maintain up-to- date qualifications.

**Qualification Training Package (QTP):** An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

**Resource Constraints:** Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

**Specialty Training Standard (STS):** An AF publication that describes an AFS in terms of tasks and knowledge an Airman in that specialty may be expected to perform or to know on the job. Also identifies the training provided to achieve a 3-, 5-, or 7-skill level within an enlisted AFS. It further serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFSC are taught in formal schools and correspondence courses.

**Training Business Area (TBA):** TBA is a Net-Centric, Global Combat Support Systems Air Force (GCSS-AF) Integration Framework (IF) Web-Based application providing Air Force War fighters with global, real-time visibility into technical qualifications, certifications and training status Air Force wide. TBA supports base, wing and work center level training management activities by automating training management business processes. The primary users will be any personnel directly involved in base level training management activities.

**Type Make Series Modification (TMSM):** Standard nomenclature for engines according to MIL-HDBK-1812 (formerly MIL-STD-879).

**Training Setting:** The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study, etc.).

**Upgrade Training:** A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

**Utilization and Training Workshop (U&TW):** A forum, co-chaired by the AFCFM and Training Pipeline Manager, of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

## **SECTION A - GENERAL INFORMATION**

**1. Purpose:** This CFETP provides the information necessary for Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFM), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A6X1 should receive in order to develop and progress throughout their career. This CFETP identifies initial skill, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB, TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in- residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1.** Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2.** Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career
- 1.3.** Lists training courses that are available in the specialty and identifies sources of training, and the training delivery method.
- 1.4.** Identifies major resource constraints which impact full implementation of the desired career field training process.
- 2. Use of the CFETP:** This plan will be used by MFM and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.
  - 2.1.** AETC training personnel will develop or revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.
  - 2.2.** MFM will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, contract training, or exportable courses can satisfy these identified requirements. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan, and must not duplicate other available training resources.

**2.3.** Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval:** The AFCFM is the approval authority. The AETC training manager for AFSC 2A6X1 will initiate an annual review of this document by AETC and MFM to ensure currency and accuracy. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

## **SECTION B - AFS PROGRESSION AND INFORMATION**

### **4. Specialty Descriptions**

**4.1. Specialty Summary:** Air Force Enlisted Classification Directory (AFECD): Inspects, maintains, modifies, tests, and repairs propellers, turboprop and turboshaft engines, jet engines, small gas turbine engines, and engine ground support equipment (SE). Manages aerospace propulsion functions and activities. Related DOD Occupational Subgroup: 160100.

**4.2. Duties and Responsibilities:** Refer to (AFECD), paragraph 2.

**4.2.1.** Plans, organizes, and directs aerospace propulsion maintenance activities. Interprets and implements directives and publications pertaining to maintenance functions, including environmentally safe maintenance practices. Determines resource requirements, including facilities, equipment, and supplies. Inspects and evaluates maintenance activities.

**4.2.2.** Advises, performs troubleshooting, performs engine health management, and determines repair procedures on aircraft engines. Diagnoses and repairs malfunctions using technical publications and Interactive Electronics Technical Manuals (IETMS). Solves maintenance problems by studying drawings, wiring and schematic diagrams, technical instructions, and analyzing operating characteristics of aircraft engines and propellers. Inspects, certifies, and approves completed maintenance actions.

**4.2.3.** Removes, installs, inspects, repairs, and modifies engines, engine modules and components, and propellers and propeller components. Disassembles and assembles engines and propellers adhering to prescribed procedures. Prepares engines and propellers for installation, storage, or transportation. Tests components using bench mockups and test equipment. Installs and removes engines on test stands, and operates, evaluates, and performs test stand functions on engines. Accomplishes operator maintenance on test stands. Inspects and maintains engine ground SE. Operates and performs operator inspections on related SE. Selects, uses, and cares for special tools, hand tools, and test equipment. Uses and disposes of hazardous waste and materials.

**4.2.4.** Analyzes, interprets, and recommends maintenance actions based on unscheduled engine removals and engine monitoring system data. Coordinates with the base engine manager to analyze scheduled engine removals; recommends forecast actions to the weekly or monthly maintenance schedules.

**5. Skill/Career Progression:** Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each

individual receives viable training at appropriate points in their career.

**5.1. Apprentice (3-level):** Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training, and available exportable courses for continued advancement. Once task qualified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

**5.2. Journeyman (5-level):** Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned to various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weighted Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

**5.3. Craftsman (7-level):** A craftsman can expect to fill various supervisory and management positions such as shift leader, element NCOIC, flight/section chief, and task certifier. They can also be assigned to work in staff positions such as quality assurance. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

**5.4. Superintendent (9-level):** A 9-level can be expected to fill positions such as flight chief, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Additional higher education and completion of courses outside their career AFSC are also recommended.

**6. Training Decisions:** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aerospace Propulsion career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were based on a career field utilization and training workshop at Sheppard Air Force Base, Texas from 30 July – 2 August 2018.

## 6.1. Initial Skills:

**6.1.1. The J3ABR2A631C048D (High Bypass)** course length remained at 40 days, subject to validation. The course title changed from Aerospace Propulsion Apprentice (TF33, TF34) to Aerospace Propulsion Apprentice (High Bypass). Status of Reports and Training (SORTS) was changed to Defense Readiness Reporting Program (DRRS). There were a number of deletions and additions to the initial skills course including multiple changes in levels of training.

**Additions/Increased Training included:** Restraint Harness, Select/Use Calipers, Inspect Oil Filter/Chip Detector/Magnetic Drain Plug, and Remove/Inspect/Install Engine Electrical Cable Harness. F117: Service/Inspect Engine Oil System, Service/Inspect Engine Start System,

Service/Inspect Engine IDG System, Engine Maintenance Theory, and Blend/Repair 1<sup>st</sup> Stage Blades were added. F108: Constructional Features, Engine Systems, Engine Monitoring System Theory, Oil Tank Service, Compressor Bleed System Theory, Fan Blade Repair (Blend), Anti-ice System Theory, Engine Starter Service were added.

**Deletions/Decreases included:** Maintenance Resource Management, Obtain Engine Oil Sample were deleted from training. TF34 Constructional Features and Engine Systems, F117 Constructional Features and Engine Systems, and TO Systems were decreased in training.

Items were dual coded from the TF34 to the F117 and F108 to identify future requirements as resources become available. **Dual Coded Training:** TF34: Remove/Inspect Install-Fuel Pump, Remove/Inspect/Install-Fuel Control, Remove/Inspect/Install-Fuel Nozzles (External), Remove/Inspect/Install-Exciter, Remove/Inspect/Install-Igniter Plug, Remove/Inspect/Install-FWD/AFT Spinner, Remove/Inspect/Install-Fan Disk, Remove/Inspect/Install-Fan Blades, Remove/Inspect/Install-Engine Starter, Remove/Inspect/Install-Engine Control Valve. F117: Open/Close Accessory Doors, Remove/Inspect/Install-Starter, Remove/Inspect/Install-Starter Control Valve, Remove/Inspect/Install-Gearbox Scavenge Oil Pump, Remove/Inspect/Install-FWD/AFT Section, Remove/Inspect/Install-Electronic Engine Control, Remove/Inspect/Install-Engine Igniter, Remove/Inspect/Install-Fuel Control, Remove/Inspect/Install-Fuel Pump, Remove/Inspect/Install-Ignition Exciter, Remove/Inspect/Install-Integrated Drive Generator, Remove/Inspect/Install-Engine Chip Detector, Remove/Inspect/Install-1<sup>st</sup> Stage Fan Blades, Open and Close Fan Thrust Reverser Duct Assembly. F108: Remove/Inspect/Install-Fuel Pump, Remove/Inspect/Install-Main Engine Control Hydro-Mechanical Unit, Remove/Inspect/Install-Fuel Nozzles (External), Remove/Inspect/Install-Exciter, Remove/Inspect/Install-Igniter Plug, Remove/Inspect/Install-Oil Pump, Remove/Inspect/Install-Front Spinner Cone, Remove/Inspect/Install-Rear Spinner Cone, Remove/Inspect/Install-Fan Blade, Remove/Inspect/Install-Engine Starter, Remove/Inspect/Install-Starter Control Valve, Remove/Inspect/Install-Chip Detectors.

**6.1.2.** The **J3ABR2A631D049D** (F100) course length remained at 64 days, subject to validation. Status of Reports and Training (SORTS) was changed to Defense Readiness Reporting Program (DRRS). There were a number of deletions and additions to the initial skills course including multiple changes in levels of training.

**Additions/Increased Training included:** Restraint Harness, Select/Use Calipers, Inspect Oil Filter/Chip Detector/Magnetic Plug, and Remove/Inspect/Install Engine Electrical Cable Harness were added.

**Deletions/Decreases included:** Maintenance Resource Management and Obtain Engine Oil Sample were deleted from training. TO Systems were decreased in training.

**6.1.3.** The **J3ABR2A631E050D** (F110) course length remained at 62 days, subject to validation. Status of Reports and Training (SORTS) was changed to Defense Readiness Reporting Program (DRRS). There were a number of deletions and additions to the initial skills course including multiple changes in levels of training.

**Additions/Increased Training included:** Restraint Harness, Select/Use Calipers, Inspect Oil Filter/Chip Detector/Magnetic Plug, and Remove/Inspect/Install Engine Electrical Cable Harness, were added.

**Deletions/Decreases included:** Maintenance Resource Management and Obtain Engine Oil Sample were deleted from training. TO Systems were decreased in training.

**6.1.4. The J3ABR2A631H048C (T56) course length remained at 73 days, subject to validation. Status of Reports and Training (SORTS) was changed to Defense Readiness Reporting Program (DRRS).**

**Additions/Increased Training included:** Select/Use Calipers, APU/GTC Constructional Features, AE2100D: Remove/Install Starter Control Valve, Remove/Install Propeller Gearbox Scavenge Oil Filter, Remove/Install Power Section Scavenge Oil Filter, Remove/Install Propeller Gearbox Pressure Filter Impending Bypass Valve, Remove/Install Propeller Gearbox Chip Detector, Remove/Install Full Authority Digital Electronic Control (FADEC), Remove/Install Anti-Icing Air Valve, Remove/Install Propeller Gearbox Vibration Sensor, Remove/Install Nacelle Interface Unit (NIU), Remove/Install Propeller Assembly, Remove/Install Pitch Control Unit (PCU), Remove/Install PCU Pressure Switch, Remove/Install Spinner, and Remove/Install Beta Tube were added.

**Deletions/Decreases included:** Maintenance Resource Management, Maintenance Incident Prevention and Investigation, T56 Remove/Inspect/Install Reduction Gearbox, Remove/Install Control Assembly, Remove/Install Rear Lip Seal, Remove/Install Front Cover Seal, Remove/Install Valve Housing Assembly, Remove/Install Propeller Supply and Standby Filter, T700 Operational Fundamentals and Constructional Features, were deleted from training. TO Systems, and T56 Constructional Features were decreased in training.

**6.2. Five-Level Upgrade Training:** The STRT members voted to discontinue the 5-lvl CDCs.

**6.3. 7-Level Upgrade Training:** The STRT members voted to discontinue the 7-lvl CDCs.

**7. Community College of the Air Force (CCAF):** CCAF is one of several federally chartered degree-granting institutions. However, it is the only 2-year institution exclusively serving military enlisted personnel. The college is regionally accredited through Air University by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) to award AAS degrees designed for specific Air Force occupational specialties and is the largest multi-campus community college in the world. Upon completion of basic military training and assignment to an AF career field, all enlisted personnel are registered in a CCAF degree program and are afforded the opportunity to obtain an Associate in Applied Science degree. In order to be awarded, degree requirements must be successfully completed before the student separates from the Air Force, retires, or is commissioned as an officer. See the CCAF website for details regarding the AAS degree programs at <http://www.au.af.mil/au/barnes/ccaf/>.

**7.1. CCAF Degree Requirements:** All enlisted airmen are automatically entered into the CCAF program. Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

	<u>Semester Hours</u>
Technical Education .....	24
Leadership, Management, and Military Studies .....	6
Physical Education .....	4
General Education .....	15
Program Elective .....	15
	Total: 64

**7.1.1. Technical Education (24 Semester Hours):** Completion of the career field apprentice course satisfies some semester hours of the technical education requirements. A minimum of 24 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied

from Technical Core/Technical Elective courses. Some academic degree programs have specific technical education requirements. Refer to the CCAF General Catalog for specific degree requirements for your specialty.

**7.1.2. Leadership, Management, and Military Studies (6 Semester Hours):** Enlisted Professional Military Education (EPME) and/or civilian management courses.

**7.1.3. Physical Education (4 Semester Hours):** This requirement is satisfied by completion of Basic Military Training.

**7.1.4. General Education (15 Semester Hours):** Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

**7.1.5. Program Elective (15 Semester Hours):** Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. A maximum of nine semester hours of CCAF degree applicable technical credit otherwise not applicable to the program of enrollment may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

**7.1.6. Residency Requirement (16 Semester Hours):** Satisfied by credit earned for coursework completed in an affiliated school or through internship credit awarded for progression in an Air Force occupation specialty. Enlisted members attending Army, Navy, and/or DOD initial or advanced training do not receive resident credit since these schools are not part of the CCAF system. However, the college awards proficiency credit to AF enlisted members completing these courses. Note: Physical education credit awarded for basic military training is not resident credit.

**7.2. Professional Certifications:** Certifications assist the professional development of our Airmen by broadening their knowledge and skills. Additionally, specific certifications may be award collegiate credit by CCAF and civilian colleges, saving time and Air Force tuition assistance funds. It also helps airmen to be better prepared for transition to civilian life. To learn more about professional certifications and certification programs offered by CCAF, visit <http://www.au.af.mil/au/barnes/ccaf/certifications.asp>. In addition to its associate degree program, CCAF offers the following certification programs and resources:

**7.2.1. CCAF Instructor Certification (CIC) Program:** CCAF offers the three-tiered CIC Program for qualified instructors teaching at CCAF affiliated schools who have demonstrated a high level of professional accomplishment. The CIC is a professional credential that recognizes the instructor's extensive faculty development training, education and qualification required to teach a CCAF course, and formally acknowledges the instructor's practical teaching experience.

**7.2.2. CCAF Instructional Systems Development (ISD) Certification Program:** CCAF offers the ISD Certification Program for qualified curriculum developers and managers who are formally assigned at CCAF affiliated schools to develop and manage CCAF collegiate courses. The ISD Certification is a professional credential that recognizes the curriculum developer's or manager's extensive training, education, qualifications and experience required to develop and manage CCAF courses. The certification also recognizes the individual's ISD qualifications and experience in

planning, developing, implementing and managing instructional systems.

**7.2.3. CCAF Professional Manager Certification (PMC):** CCAF offers the PMC Program for qualified Air Force NCOs. The PMC is a professional credential awarded by CCAF that formally recognizes an individual's advanced level of education and experience in leadership and management, as well as professional accomplishments. The program provides a structured professional development track that supplements Enlisted Professional Military Education (EPME) and Career Field Education and Training Plan (CFETP).

**7.2.4. Federal Aviation Administration (FAA) Airframe and Powerplant (A&P) Certification:**

Air Force aircraft maintenance technicians are eligible to pursue FAA A&P certification based on training and experience in accordance with Title 14, Code of Federal Regulations (CFR), Part 65. The DoD established the Joint Service Aviation Maintenance Technician Certification Council (JSAMTCC) to standardize the eligibility and certification process for the military and provide direction and resources necessary to fill the gaps within military training and experience.

Completing the Air Force A&P Certification Program, managed by CCAF, will fill training and experience gaps, ensuring FAA eligibility. The program consists of three Air University Online A&P Specialized Courses, OJT and experience requirements contained in a Qualification Training Package (QTP). Technicians may enroll in the program once they have been awarded the 5-skill level. To learn more, visit CCAF at <http://www.au.af.mil/au/barnes/ccaf/certifications.asp>. CCAF awards 30 semester hours for FAA A&P certification and 18 semester hours for FAA Airframe or Powerplant certification.

**7.2.5. SpaceTEC Aerospace Technician Certification:** Air Force aircraft maintenance technicians are eligible to pursue SpaceTEC Aerospace Technician certification based on aviation training and experience. SpaceTEC certification is endorsed by NASA and the Aerospace industry. Air University Online offers a Specialized Course to assist technicians prepare for the Aerospace Technician certification exams. CCAF awards 25 semester hours for the SpaceTEC Aerospace Technician certification. To learn more, visit SpaceTEC at <https://www.spacetec.us>.

**7.2.6. National Center for Aerospace & Transportation Technologies (NCATT)**

**Certifications:** Air Force aircraft maintenance technicians are eligible to pursue multiple NCATT certifications based on aviation avionics and electronics training and experience. NCATT certifications are endorsed by the aviation avionics industry. CCAF awards 5 semester hours for the NCATT Aircraft Electronics Technician certification. To learn more, visit NCATT at <http://www.ncatt.org>.

**7.3. Air Force Credentialing Opportunities On-Line (AF COOL):** AF COOL replaced the CCAF Credentialing and Education Research Tool (CERT). The AF COOL Program is managed by CCAF and provides a research tool designed to increase an Airman's awareness of national professional credentialing and funding opportunities available for all Air Force occupational specialties. AF COOL also provides information on specific occupational specialties, civilian occupational equivalencies, AFSC-related national professional credentials, credentialing agencies, and professional organizations. AF COOL contains a variety of information about credentialing and licensing and can be used to:

- Get background information about civilian licensure and certification in general and specific information on individual credentials including eligibility requirements and resources to prepare for an exam.

- Identify licenses and certifications relevant to an AFSC.
- Learn how to fill gaps between Air Force training and experience and civilian credentialing requirements.
- Get information on funding opportunities to pay for credentialing exams and associated fees.
- Learn about resources available to Airmen that can help them gain civilian job credentials.

To learn more about AF COOL and funding processes, visit:

<https://afvec.us.af.mil/afvec/Public/COOL/Default.aspx>.

## 8. Career Path

**8.1. Enlisted Career Path:** Table 8.1 identifies career milestones for 2A6X1 Specialty.

**Table 8.1 Enlisted Career Path**

<b>Education and Training Requirements</b>	<b>Grade Requirements</b>			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
<b>Basic Military Training School</b>				
<b>Apprentice Technical School</b> (3-Skill Level)	Amn A1C	6 months 10 months		
<b>Upgrade To Journeyman</b> (5-Skill Level) - Minimum 12 months on-the-job training. - Minimum 9 months on-the-job training for retrainees. - Complete all 5-level core tasks on one TMSM. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 10 months 3 years	28 months	8 Years
<b>Airman Leadership School</b> (ALS) - Must be a SrA with 48 months time in service or be an SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<b>Trainer</b> - Qualified to perform the task to be trained. - Must attend formal AF Trainer Course. - Recommended by the supervisor.			<b>Certifier</b> - Possess at least an SSgt with a 5-skill level or civilian equivalent. - Must attend AF Training Course. - Be a person other than the trainer except for AFSCs, duty positions, units, and/or work centers with specialized training standardization and certification requirements.	
<b>Upgrade To Craftsman</b> (7-Skill Level) - Minimum rank of SSgt. - Time in training is determined by the Career Field Manager. - Complete Career Development Course if applicable. - Attend Craftsman course, if applicable.	SSgt	7.5 years	3 years	15 Years

<b>Noncommissioned Officer Academy (NCOA)</b> - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
<b>USAF Senior NCO Academy (SNCOA)</b> - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for SMSgt sew-on (Active Duty Only). <b>Upgrade to Superintendent (9-Skill Level)</b> - Minimum rank of SMSgt.	SMSgt	19.2 years	11 years	26 Years
<b>Chief Enlisted Manager (CEM)</b>	CMSgt	21.5 years	14 years	30 Years

**8.2. Maintenance Badge:** The maintenance badge will be awarded in conjunction with skill-level upgrade. Maintainers currently wearing the badge that do not meet this new criteria may continue to wear the badge, essentially grandfathered-in, but all future award or upgrade of the badge will be at the prescribed skill-level:

- Basic: Wear the basic badge after award of the 5-skill-level
- Senior: Wear the senior badge after award of the 7-skill-level
- Master: Wear the master badge after award of the 9-skill-level

## ***SECTION C – SKILL LEVEL TRAINING REQUIREMENTS***

**9. Purpose:** Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific tasks and knowledge training requirements are identified in Part II, Sections B and E, of this CFETP.

## **10. Specialty Qualification Requirements**

### **10.1. Apprentice Level Training**

**10.1.1. Specialty Qualification:** This information will be located in the official specialty description in AFECID, paragraph 3.

**10.1.2. Knowledge:** To perform the duties at the 3-skill level, basic knowledge of mechanical, hydro mechanical, electrical, and hydraulics principles applying to jet and turboprop engines, and propellers; oil analysis principles; wear metal criteria and guidelines; concepts and application of maintenance directives; using and interpreting diagrams and technical publications; and the proper handling, use, and disposal of hazardous waste and materials under close supervision until they are task qualified.

**10.1.3. Education:** For entry into this specialty, completion of high school, with courses in general science, mechanics, or mathematics is desirable.

**10.1.4. Training:** For award of AFSC 2A631C/D/E/H, completion of J3ABR2A631C048D, J3ABR2A631D049D, J3ABR2A631E050D, or J3ABR2A631H048C Aerospace Propulsion Apprentice course is mandatory.

**10.1.5. Experience:** There is no experience necessary for entry into AFSC 2A631C/D/E/H.

**10.1.6. Other:** For entry into this specialty normal color vision as defined in AFI 48-123, *Medical Examination and Standards* is required. See Attachment 4 of the AFECDS for additional entry requirements. Must maintain local network access IAW AFI 17-130, *Cybersecurity Program Management* and AFMAN 17-1301, *Computer Security*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSC 2A6X1, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFI 31-501, *Personnel Security Program Management*. **NOTE:** Award of the 3-skill level without a completed NACLC is authorized provided an interim Secret security clearance has been granted according to AFI 31-501.

**10.1.7. Training Sources:** The 3-level initial skills course will provide the required knowledge and qualification. Initial skills training encompasses theory and operating principles, system operation, component removal and operation, introduction to general flight line maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

**10.1.8. Implementation:** Upon graduation from Basic Military Training (BMT), completion of J3ABR2A631C048D, J3ABR2A631D049D, J3ABR2A631E050D, or J3ABR2A631H048C is required to satisfy the knowledge and training resource requirements for award of the 3-skill level.

## **10.2. Journeyman Level Training**

**10.2.1. Specialty Qualification:** This information will be located in the official specialty description in AFECDS.

**10.2.2. Knowledge:** In addition to the 3-level qualifications, a 5-level must be task qualified on inspecting engine components, systems, correcting system malfunctions, repairing and replacing system components, operational checks, and the use and maintenance of test and support equipment.

**10.2.3. Education:** There are no additional education requirements beyond those defined for the apprentice level.

**10.2.4. Training:** For award of AFSC 2A651(C, F, or H), requires the completion of all core tasks. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS.

**10.2.5. Experience:** Qualification in and possession of AFSC 2A631C/D/E/H. Completion of all 5-level core tasks identified in the STS is mandatory. Also, experience in functions such as installing, maintaining, or repairing aircraft turbine engines or propellers.

**10.2.6. Other:** Not Used.

**10.2.7. Training Sources:** Completion of 5-level core tasks are for award of the 5-skill level.

**10.2.8. Implementation:** Training to the 5-level is performed by the units utilizing this STS,

and exportable courses. Upgrade to the 5-level requires no minimum and a 15 month maximum time requirement for upgrade and retrainees (RegAF). There is no minimum/maximum time requirement for Air Reserve Command (ARC).

### **10.3. Craftsman Level Training**

**10.3.1. Specialty Qualification:** This information will be located in the official specialty description in AFECD, paragraph 3.

**10.3.2. Knowledge:** In addition to 5-level qualifications a 7-level must possess advanced skills and knowledge of: theory, concepts, principles, and application of engine maintenance. The 7-level must be able to supervise and train personnel to maintain engines. The 7-level must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques.

**10.3.3. Education:** There are no additional education requirements beyond those defined for the apprentice level.

**10.3.4. Training:** Completion of the 7-level core tasks are mandatory for upgrade to 2A671C/F/H.

**10.3.5. Experience:** Qualification in and possession of AFSC 2A651(C, F, or H). Completion of all 5- and 7-level core tasks identified in the STS is mandatory. Also, experience performing or supervising functions involving installation, repair, testing, or modification of engines or propellers.

**10.3.6. Other:** Not Used.

**10.3.7. Training Sources:** Not Used.

**10.3.8. Implementation:** Training to the 7-level is performed by the units utilizing this STS. Upgrade to the 7-level requires no minimum and an 8 month maximum time requirement for upgrade and retrainees (RegAF). There is no minimum/maximum time requirement for Air Reserve Command (ARC).

### **10.4. Superintendent Level Training**

**10.4.1. Specialty Qualification:** This information will be located in the official specialty description in AFECD, paragraph 3.

**10.4.2. Knowledge:** In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget and manage funds and other resources; and must be knowledgeable of federal and local environmental standards and ensure adherence to the proper handling and disposal of hazardous materials.

**10.4.3. Education:** There are no additional education requirements beyond those defined for the apprentice level.

**10.4.4. Training:** Must be at least a Senior Master Sergeant (SMSgt) and meet mandatory requirements listed in the AFECR, be recommended by their supervisor and approved by their commander for award of the 9-skill level.

**10.4.5. Experience:** For award of AFSC 2A691, qualification in and possession of AFSC 2A671F is mandatory. For award of AFSC 2A591, qualification in and possession of AFSC 2A671C/H is mandatory. Also, experience in managing or directing repair activities for aerospace aircraft engines and associated maintenance functions.

**10.4.6. Other:** Not Used.

**10.4.7. Training Sources:** Instruction received at the SNCOA and duty position qualifications represent the requirements for upgrade to the 9-skill level.

**10.4.8. Implementation:** The 9-level will be awarded after promotion to SMSgt.

#### **SECTION D - RESOURCE CONSTRAINTS**

**11. Purpose:** This section of the CFETP identifies known resource constraints, which preclude optimum and desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

**12. Apprentice Level Training:** No resource constraints identified.

**13. Journeyman Level Training:** No resource constraints identified.

**14. Craftsman Level Training:** No resource constraints identified.

#### **PART II**

##### ***Section A - Specialty Training Standard (STS)***

**1. Implementation Procedures:** This STS will be used for technical training provided by Air Education and Training Command for the following classes: Course J3ABR2A631C048D (High Bypass), J3ABR2A631D049D (F100), J3ABR2A631E050D (F110), J3ABR2A631H048C beginning expected to begin 1 October 2019.

**2. Purpose/Proficiency Code Key Explanations:** As prescribed in AFI 36-2651, this STS:

**2.1.** Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (\*) before the number indicates a wartime course objective.

**2.2.** An asterisk (\*) in column 2 identifies specialty-wide training requirements core tasks. Tasks marked with \*/R are deferrable for ANG /AFRC until training capability becomes available;

MAJCOM Functional Managers, commanders, and supervisors may designate additional tasks as necessary. Third-party certification of core tasks is no longer an Air Force requirement for this specialty. However, MAJCOMs, commanders, and workcenter supervisors still retain the option to designate critical tasks requiring third-party certification. To designate a task as requiring third-party certification, identify the appropriate task in the core task column on the specialty training standard (STS) portion of the CFETP in the master task list (MTL) and individual training records. If the task is not already designated as a core task, identify the task in the core task column.

**2.2.1.** Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training).

**2.2.2.** For units with more than one mission design (e.g. A-10) aircraft, upgrade trainees need only complete core tasks on a single mission design/TMSM. MFM's, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft. Flightline-assigned personnel must complete backshop core tasks and vice versa. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

**2.2.3.** Units will complete the Computer Based Training (CBT) core tasks applicable to the system in use and are not required to complete both. Locations with both IMDS and G081 will only train on the system applicable to their MDS/TMSM. This training is available by access from the Air Force Portal.

**2.2.4.** Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use IMDS/G081 to document technician qualifications, if available. Task certification must show a certification or completed date.

**2.2.5.** Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course.

**2.2.6. Qualitative Requirements:** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

**2.2.7. Job Qualification Standard:** Becomes a job qualification standard (JQS) for on-the-job training when placed in Training Business Area (TBA), and used according to AFI 36-2651. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply.

**2.2.8. Documentation:** Document and certify completion of training IAW AFI 36-2651. Automated records, utilizing MIS or IMDS/G081 reflecting this STS is highly encouraged. Use of Part II and attachments one and two of this CFETP are mandatory in individual training records. Use of Part I of this CFETP is optional. Use of at least one of attachments 3 through 13 is required.

**2.2.9. Transcribing from Old CFETP to New CFETP:** All AFJQSs and previous CFETPs are

replaced by this CFETP; therefore, transcribing of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. Document and certify all previous and current training IAW AFI 36-2651.

**2.2.10. STS:** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Analysis Division, by Senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in AFI 36-2502, *Enlisted Airman Promotion/Demotion Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

**3. Recommendations:** Report unsatisfactory performance of individual course graduates to the AETC training manager at 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX, 76311-2264, DSN 736-3539 or e-mail address: UDG\_361TRS\_TRAININGMANAGERS@us.af.mil. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received over or under training on task/knowledge items listed in this training standard. For quick response to problems, call out customer service information line, DSN 736-5236, any time, day or night.

#### **Section B - Course Objective List (COL)**

**4. Measurement:** Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives using the PC code indicate a progress check is used to measure subject or task knowledge. "W" indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. "PC/W" indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

**5. Standard:** The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

**6. Proficiency Level:** Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section E of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the

task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

**7. Course Objectives:** A detailed listing of initial skills course objectives may be obtained by submitting a written request to 361 TRS/TRR, 501 Missile Road, Sheppard AFB TX, 76311-2264.

### ***Section C - Support Material***

8. The following list of support material is not all-inclusive; however, it covers the most frequently referenced areas. Support materials are any training package designed to enhance the learning process at and level of training. Refer to Education and Training Course Announcements for information on AETC formal courses at <https://app10-eis.aetc.af.mil/etca/SitePages/Home.aspx>.
9. Contact information on Training Detachment courses is: 372 TRS/CCS, 1917 Missile Road, Sheppard AFB Texas 76311-2361, DSN 736-4792 and 373 TRS/CCS, 1917 Missile Road, Sheppard AFB TX 76311- 2361, DSN 736-4671 <https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC1353200FB5E044080020E329A9&command=org>.
10. Interactive Courseware information is available at: 367th TRS, 6058 Aspen Ave. Hill AFB, Utah 84056-5805, DSN 777-7830/8741 <https://367trss.hill.af.mil/>.

### ***Section D - Training Course Index***

**11.Purpose:** This section of the CFETP identifies training courses available for the Aerospace Propulsion Specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

361 TRS/TRR  
 501 Missile Raod  
 Sheppard AFB, TX 76311-2264  
 DSN 736-3539

### **12. Air Force In-Resident Courses:**

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2A631C048D	Aerospace Propulsion Apprentice (High Bypass)	Sheppard AFB	AF, ANG, AFRC
J3ABR2A631D049D	Aerospace Propulsion Apprentice (F100)	Sheppard AFB	AF, ANG, AFRC
J3ABR2A631E050D	Aerospace Propulsion Apprentice (F110)	Sheppard AFB	AF, ANG, AFRC
J3ABR2A631H048C	Aerospace Propulsion Apprentice (T56)	Sheppard AFB	AF, ANG, AFRC
J3AZR2A671A0M1A	Jet Engine Mishap Investigation	Sheppard AFB	AF, ANG, AFRC

### **13. Air Force Career Development Academy (AFCDA) <http://www.au.af.mil/au/barnes/afcda/>.**

There are no AFCDA requirements. This area is reserved.

**14. Exportable Courses:**

For further information on the following exportable courses, contact the OPRs at:

367 TRSS  
6058 Aspen Ave  
Hill AFB, UT 84056-5805  
DSN 777-7830/8741  
<https://367trss.hill.af.mil/>

362 TRS  
613 10<sup>th</sup> Ave  
Sheppard AFB, TX 76311-2352  
DSN 736-1825  
<https://www.my.af.mil/etcacourses/>

COURSE NUMBER	COURSE TITLE	OPR
J6ANW2AXXX 0W1A	Weight and Balance (General)	362 TRS
J6AZW2AXXX 0Q1A	Quality Assurance Aircraft	362 TRS
00TCB0002V1	Multimeter Familiarization	367 TRS/TRSS
C6AZM01CPB2400	B-1B APU Operation (CBT)	367 TRS/TRSS
C3MKUA5TCB0006	Torque Wrench Pre-Use Inspection and Operation Reference Video	367 TRS/TRSS

**15. Training Detachment (TD) Courses**

COURSE NUMBER	COURSE TITLE	OPR
J4AMP2A6X1 A02B	B-2 Aerospace Propulsion-Jet Engine	372 TRS
J4AMP2A6X1 A03A	B-52H Aerospace Propulsion-Jet Engine (Engine Operator)	372 TRS
J4AMP2A6X1 A18A	KC-135 Aerospace Propulsion Craftsman (Flightline F108 Engine Operator)	373 TRS
J4AMP2A6X1 A23A	E-4B (CF6-50/F103) Engine Borescope	373 TRS
J4AMP2A6X1 A24A	E-8C Auxiliary Power Unit	373 TRS
J4AMP2A6X1 A27A	F-22A Acft Eng F119 Teardown and Build Up (Conversion Training)	372 TRS
J4AMP2A6X1 A31A	KC-10A Engine Transition	373 TRS
J4AMP2A6X1 A41A	U-2S Engine (Basic)	372 TRS
J4AMP2A6X1 B01A	B-1B Aerospace Propulsion-Jet Engines (F101/IM)	372 TRS
J4AMP2A6X1 B02A	B-2 Engine Operator (Phase I and II)	372 TRS
J4AMP2A6X1 B03A	B-52H Aerospace Propulsion (TF-33-P/103 Eng Sys Theory)	372 TRS

COURSE NUMBER	COURSE TITLE	OPR
J4AMP2A6X1 B18B	KC-135 /F108-CF-100 Turbine Engine Monitoring System	373 TRS
J4AMP2A6X1 B23A	E-4B Engine Operation	373 TRS
J4AMP2A6X1 B24A	E-8C Jet Engine Technician	373 TRS
J4AMP2A6X1 B41B	U-2S Engine Borescope	372 TRS
J4AMP2A6X1 C01A	B-1B Aerospace Prop Maintenance (F101 Engine Run Phase I and II)	372 TRS
J4AMP2A6X1 C02B	B-2 Aerospace Propulsion (Advanced)	372 TRS
J4AMP2A6X1 C03A	B-52H Aero Prop, Jet Eng Maint (TF-33- P/103 Borescope)	372 TRS
J4AMP2A6X1CA07A	C-17, F117-PW-100 Jet Engine Blade Blending	373 TRS
J4AMP2A6X1 C27A	F119 Engine Borescope	372 TRS
J4AMP2A6X1 D01A	B-1B Auxiliary Power Unit Operation	372 TRS
J4AMP2A6X1 D02A	B-2 Aerospace Propulsion – Fan Blade Blending	372 TRS
J4AMP2A6X1 D03A	B-52H Jet Engine Maint (TF-33-P-3/103 Eng Blade Repair)	372 TRS
J4AMP2A6X1 D18A	KC-135R/T Quick Start Auxiliary Power Unit System (QSAS) Craftsman	373 TRS
J4AMP2A6X1 D41A	U-2S Engine Blade Blend	372 TRS
J4AMP2A6X1 E01A	B-1B F101 Engine Borescope Inspection	372 TRS
J4AMP2A6X1 E02A	B-2 Aerospace Propulsion Jet Engines (Borescope)	372 TRS
J4AMP2A6X1 E18A	KC-135R/T Quick Start Auxiliary Power Unit System (QSAS) Craftsman Troubleshooting	373 TRS
J4AMP2A6X1 E22B	Engine Run Initial (E-3)	373 TRS
J4AMP2A6X1 F01A	B-1B F101 Engine Fan Blade Blending	372 TRS
J4AMP2A6X1 F18A	KC-135R/T Jet Engine Maintenance Craftsman (Transition)	373 TRS
J4AMP2A6X1 G01A	B-1B Aerospace Propulsion - Jet Engine (F101/IM/Retained Task)	372 TRS
J4AMP2A6X1 H01A	B-1B Aerospace Propulsion (F101/OM Basic)	372 TRS
J4AMP2A6X1 H18A	KC-135R/T Propulsion System Troubleshooting	373 TRS

COURSE NUMBER	COURSE TITLE	OPR
J4AMP2A6X1 I01B	B-1B Aerospace Propulsion (F101/OM Advanced)	372 TRS
J4AMP2A6X1 I18A	KC/RC/TC/OC/WC-135 Engine Operation	373 TRS
J4AMP2A6X1 J18B	KC/RC/TC/OC/WC-135/F108-201 Aerospace Propulsion Craftsman	373 TRS
J4AMP2A6X1 K18A	F108-CF-100 Aerospace Propulsion Journeyman (Organizational Maintenance)	373 TRS
J4AMP2A6X1 L18B	RC/TC/OC/WC-135 Engine Borescope	373 TRS
J4AMP2A6X1AC22A	TF33 Jet Engine Component Removal/Installation (E-3)	373 TRS
J4AMP2A6X1CA04A	C-5M (F-138) Jet Engine Craftsman	373 TRS
J4AMP2A6X1CA07A	C-17A, F117-PW-100 Jet Engine Blade Blending	373 TRS
J4AMP2A6X1CB22A	Auxiliary Power Unit Maintenance (GTCP165-1/1A) (E-3)	373 TRS
J4AMP2A6X1CC07A	C-17A/ F117-PW-100 Engine Borescope Procedures	373 TRS
J4AMP2A6X1CD04A	F-138 Borescope/Compressor Blade Blending Procedures	373 TRS
J4AMP2A6X1CD07A	C-17A Engine Change Procedures	373 TRS
J4AMP2A6X1CE07A	C-17A APU/Engine Troubleshooting	373 TRS
J4AMP2A6X1CF04A	C-5 (TF39/F-138) Engine Blade Blending	373 TRS
J4AMP2A6X1CH04A	C-5M (F-138) En-Route Course	373 TRS
J4AMP2A6X1CI04A	C-5M (F-138) Engine Removal/Installation	373 TRS
J4AMP2A6X1CJ04A	C-5M (F-138) Thrust Reverser Removal/Installation	373 TRS
J4AMP2A6X1FA25A	Aerospace Propulsion (Jet Eng) Maint (F-15 Eng Start Sys/Subsys) (IM)	372 TRS
J4AMP2A6X1FA49A	Aerospace Propulsion (F100-PW-220/220E Intermediate Maintenance I/M)	372 TRS
J4AMP2A6X1FB00A	TF34 Engine Trending & Diagnostics (ET&D)	372 TRS
J4AMP2A6X1FC50A	Aerospace Propulsion (F110-GE-100/129) Intermediate Maintenance	372 TRS
J4AMP2A6X1FD49A	Aerospace Propulsion (F-100-PW-229 Intermediate Maintenance I/M)	372 TRS
J4AMP2A6X1FD50A	Aerospace Propulsion F-16, F110 Engine Removal and Installation	372 TRS
J4AMP2A6X1FE50A	Aerospace Propulsion (F-16, F110-GE- 100/129 Engine. O/M) (CERT)	372 TRS

COURSE NUMBER	COURSE TITLE	OPR
J4AMP2A6X1FF49A	Aerospace Propulsion (F-16 F100-PW-220/220E) Organizational Maintenance (O/M)	372 TRS
J4AMP2A6X1FG49A	Aerospace Propulsion F-16 F100-PW-229 Organizational Maintenance (O/M)	372 TRS
J4AMP2A6X1FJ49B	Aerospace Propulsion (F100) Engine Blade Blending	372 TRS
J4AMP2A6X1FK49A	Aerospace Propulsion (F-15, F100-PW-229) Organizational Maintenance (O/M)	372 TRS
J4AMP2A6X1FL49A	Aerospace Propulsion (F-15, F100-PW-220) Organizational Maintenance (O/M)	372 TRS
J4AMP2A6X1FN49A	Aerospace Propulsion (F100-PW- 100/200/220/220E) Fiberoptic Borescope Insp	372 TRS
J4AMP2A6X1FO49A	Aerospace Propulsion (F100-PW-229) Fiberoptic Borescope Inspection	372 TRS
J4AMP2A6X1 A17A	C-130 Propeller (HS54H60-91) Intermediate Maintenance	373 TRS
J4AMP2A6X1 A30A	H-60 (T700) Turboshaft Propulsion	372 TRS
J4AMP2A6X1 B17A	C-130 Propeller (HS54H60-91) Organizational Maintenance	373 TRS
J4AMP2A6X1 B30B	T700/T707/T701C Compressor Blade Blending (O/I Maintenance)	372 TRS
J4AMP2A6X1 C17A	T56-A-15 Engine Intermediate Maintenance	373 TRS
J4AMP2A6X1 D17A	T56-A-15 Engine Organizational Maintenance	373 TRS
J4AMP2A6X1 E17A	T56-A-15 Turboprop Engine Gearbox and Turbine R&R	373 TRS
J4AMP2A6X1 F17A	C-130J Propulsion Systems Organizational Maintenance (Engine and Prop)	373 TRS
J4AMP2A6X1 G17A	T56 Engine Blade Blending	373 TRS
J4AMP2A6X1 I17A	AE2100D3 Engine Borescope Inspection	373 TRS

For further information on the TD courses, contact the OPRs at:

372 TRS	373 TRS
1917 Missile Road	1917 Missile Road
Sheppard AFB, TX 76311-2361	Sheppard AFB, TX 76311-2361
DSN 736-4792	DSN 736-4671

[https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC1353200FB5E044080020E329A9&comm\\_and=org](https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC1353200FB5E044080020E329A9&comm_and=org)

**Section E - MAJCOM Unique Requirements:** Combat Air Force and Mobility Air Force Mandatory Course Listing (CAF&MAF/MCL) applies to AETC, AFSOC, PACAF, and USAFE personnel/units as applicable. The CAF&MAF/MCL does not apply to Air National Guard (ANG) or Air Force Reserve Command (AFRC) members and units. **However**, it does apply to active duty personnel assigned to Total Force Integrated units (Active Duty personnel assigned to Guard bases).

MAJCOMs change mandatory course requirements occasionally. Up-to-date CAF&MAF/MCL requirements can be obtained at your local Military Training Flight and/or Unit Training Manager.

**16. MAJCOM Course List:** Contact the course OPRs at:

HQ AMC/A4MMT	HQ ACC LSG / OL-CA
402 Scott Drive Unit 2A2	6058 Aspen
Scott AFB, IL 62225-5308	Hill AFB, UT 84056-5805
DSN 779-4787	DSN 777-4278

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WARREN D. BERRY  
Lieutenant General, USAF  
DCS/Logistics, Engineering & Force Protection

16 Attachments:

1. Proficiency Code Key
2. STS – General Propulsion
3. STS – F100 / F101 / F110 / F118
4. STS –TF33 / TF34
5. STS – F138
6. STS – F108
7. STS – F103
8. STS – F117
9. STS – F119
10. STS – Secondary Power / APU / JFS
11. STS – TFE731
12. STS – F139
13. STS – T56
14. STS – AE2100D (C-130J)
15. STS – T700
16. STS – T400

<b><i>This Block Is For Identification Purposes Only</i></b>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)		Initials (Written)
Last 4 SSAN		
<b>Printed Name Of Certifying Official and Written Initials</b>		
N/I	N/I	

### **QUALITATIVE REQUIREMENTS**

Proficiency Code Key		
	Scale Value	<b>Definition: The individual</b>
Task Performance Levels	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
<b>Explanations</b>		
* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)		
** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.		
- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.		
X This mark is used alone in the course columns to show that training is required but not given due to limitations in resources.		
<b>NOTE:</b> All tasks and knowledge items shown with a proficiency code are trained during war time.		
Qualitative requirements are used to show the level of training received in formal (AETC) courses.		

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 2

NOTE 1: The tasks and knowledge listed in attachment 2 are performed by all personnel in the Aerospace Propulsion specialty for the appropriate skill level upgrade. The tasks in attachments 3 through 16 are engine specific and are to be performed by all personnel in the Aerospace Propulsion specialty performing maintenance on the specified equipment.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

2.1.	CAREER FIELD PROGRESSION TR: AFI 36-2101										
2.1.1.	Fundamentals							-	-	-	-
2.2.	AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI 127-01 Vol. 1 and 3 AFIs 21-101, 90-802, 91-202, 91-203, 91- 204, 91-301, 91-302; and Applicable Aircraft/Engine TOs										
2.2.1.	AFOSH Standards							A	-	-	-
2.2.2.	Hazards of AFSC							A	-	-	-
2.2.3.	Maintain Safe Work Area							2b	-	-	-
2.2.4.	Ensure Aircraft Safe for Maintenance	*						1a	-	-	-
2.2.5.	Restraint Harness (e.g., Fall protection /prevention equipment)							B	-	-	-
2.2.6.	Risk Management (RM)							A	-	-	-
2.3.	OPERATIONS SECURITY (OPSEC) VULNERABILITIES FOR AFSC 2A6X1 TR: AFI 10-701, and 10-1101								-	-	-
2.3.1.	Fundamentals							A			
2.4.	FOREIGN OBJECT DAMAGE (FOD) PROGRAM TR: AFI 21-101 and Applicable MAJCOM Instructions										
2.4.1.	Apply FOD Prevention Practices	*						2b	-	-	-
2.4.2.	FOD Program Manager							-	-	-	-
2.4.3.	Dropped Object Prevention (DOP) Program							A	-	-	-
2.5.	HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFJMAN 24-204, AFI 90-821, and Applicable Federal, State, Country and Local Regulations										
2.5.1.	Hazardous Materials Program							A	-	-	-
2.5.2.	Types of Hazardous Materials/Fluids							A	-	-	-
2.5.3.	Handling Procedures							A	-	-	-
2.5.4.	Storage and Labeling							A	-	-	-
2.5.5.	Proper Disposal							A	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.6. ENLISTED SPECIALTY TRAINING TR: AFI 36-2651 and Applicable MAJCOM Directives											
2.6.1. Trainee Responsibilities								-	-	-	-
2.6.2. OJT Trainer Responsibilities											
2.6.2.1. Prepare Teaching Outlines or Task Breakdowns								-	-	-	-
2.6.2.2. Provide Trainee Theory and Train on Actual Equipment								-	-	-	-
2.6.2.3. Provide Feedback on Training								-	-	-	-
2.6.3. OJT Task Certifier Responsibilities											
2.6.3.1. Develop Methods of Evaluation to Determine Trainee Knowledge/ Qualification, and Training Effectiveness								-	-	-	-
2.6.3.2. Use Appropriate Method of Evaluation and Effectively Determine Trainees Ability								-	-	-	-
2.6.3.3. Give Supervisor and Trainer Feedback on Results of Training Provided, and Trainee's Strengths/Weaknesses								-	-	-	-
2.6.3.4. Training Plans and Working Groups								-	-	-	-
2.7. TECHNICAL PUBLICATIONS TR: Interactive Electronic Technical Manual System (IETMS) TOs 00-5-1, 00-5-2, 00-5-15, AFPD 21- 3, and Applicable Interactive Electronic Technical Manuals (IMIS/TOD) – TODCR CHANGES REQUESTS											
2.7.1. TO System								A	-	-	-
2.7.2. Use Technical Orders/Pubs (Include Intermediate and Organizational level)	*							2b	-	-	-
2.7.3. TCTOs								A	-	-	-
2.7.4. AFTO Form 22								A	-	-	-
2.8. SUPPLY MANAGEMENT TR: AFIs 21-101 and 23-101, AFH 23-123, AFMAN 23-110, 23-122, and TO 00-20-1, 00-20-3											
2.8.1. Maintenance Supply Concept								A	-	-	-
2.8.2. Supply Documents Management								-	-	-	-
2.8.3. Use Status Tags	*							a	-	-	-
2.8.4. AF Form 2005								A	-	-	-
2.8.5. Equipment Account Management								-	-	-	-
2.8.6. Depot Level Reparable (DLR)/ Reparable Support Division (RSD)								-	-	-	-
2.8.7. Priority System								A	-	-	-
2.8.8. Repair Cycle Assets								-	-	-	-
2.8.9. Shelf-Life Items Inspection and Control								A	-	-	-
2.8.10. Precious Metal Recovery								A	-	-	-
2.9. MAINTENANCE MANAGEMENT TR: AFIs 21-101 and 10-201, TOs 00-20 Series, TO 2-1 18 and Applicable MAJCOM Directives											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.9.1. General											
2.9.1.1. Responsibilities of the Maintenance Group								-	-	-	-
2.9.1.2. Functions within the Maintenance Complex								-	-	-	-
2.9.1.3. Engine Maintenance Management Information Systems								-	-	-	-
2.9.1.4. Resource Management								-	-	-	-
2.9.1.5. Mobility								-	-	-	-
2.9.1.6. Maintenance Accountability								A	-	-	-
2.9.1.7. Process PMEL Equipment								-	-	-	-
2.9.1.8. Defense Readiness Reporting Program (DRRS)								-	-	-	-
2.9.1.9. Use Land Mobile Radios (LMR)								-	-	-	-
2.9.1.10. Classified Asset Handling								-	-	-	-
2.9.1.11. Centralized Repair Facilities (CRFs)								-	-	-	-
2.9.1.12. Depot Functions								-	-	-	-
2.9.1.13. Propulsion Safety Threshold								-	-	-	-
2.9.1.14. Civilian Contract Maintenance								-	-	-	-
2.9.1.15. Engine Life Management Plan								-	-	-	-
2.9.1.16. Engine Metrics								-	-	-	-
2.9.2. Engine Health Management (EHM)											
2.9.2.1. EHM Program								-	-	-	-
2.9.2.2. Reliability Centered Maintenance (RCM)								-	-	-	-
2.9.2.3. Engine Trending and Diagnostics (ET&D) Program Management								-	-	-	-
2.9.2.4. Lead the Fleet (Pacer Program/Compass Vector)								-	-	-	-
2.9.3. Provide and Interpret Engine Historical Data TR: AFCSM 21Series and TO 00-20 Series, TO 00-25 254-1/- 2											
2.9.3.1. Engine Historical Records								A	-	-	-
2.9.3.2. Engine Status Reports								-	-	-	-
2.10. MAINTENANCE INSPECTION SYSTEMS AND FORMS TR: AFCSM 21 Series, AFI 21-101; TOs 00-20 Series, 00-35D-54; Applicable Interactive Electronic Technical Manuals, Applicable Aircraft Work Unit Code Manuals, and Applicable MAJCOM Directives											
2.10.1. Inspections											
2.10.1.1. Flight Inspections								-	-	-	-
2.10.1.2. Isochronal Inspections								A	-	-	-
2.10.1.3. Hourly Inspections								A	-	-	-
2.10.1.4. Special Inspections								A	-	-	-
2.10.1.5. Engine Acceptance Inspection								A	-	-	-
2.10.1.6. Work Center In-Process Inspections (IPI)											
2.10.1.6.1. Theory								A	-	-	-
2.10.1.6.2. Identify IPI								-	-	-	-
2.10.2. Maintenance Information Systems (MIS)											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.10.2.1. Fundamentals (Include SBSS Interface)								A	-	-	-
2.10.2.2. Use Applicable MIS	*							-	-	-	-
2.10.3. Document Maintenance Actions											
2.10.3.1. Use AFTO Form 350	*							2b	-	-	-
2.10.3.2. Use AFTO Form 781 series (A,H,J,K)	*							1a	-	-	-
2.10.3.3. Use AFTO Form 244/245	*							2b	-	-	-
2.10.3.4. Deficiency Reporting System								-	-	-	-
2.10.3.5. Aircraft Configuration/Modification								-	-	-	-
2.10.3.6. Engine Work Folders /EAWP								-	-	-	-
2.10.3.7. Local Forms								-	-	-	-
2.11. HAND TOOLS											
2.11.1. Select	*							2b	-	-	-
2.11.2. Use	*							2b	-	-	-
2.11.3. Inspect								2b	-	-	-
2.11.4. Care								-	-	-	-
2.12. GENERAL MAINTENANCE TR: TOs 1-1A-8, 1-1A-14, 2-1-111, 44B-1-15, and Applicable Interactive Electronic Technical Manuals											
2.12.1. General											
2.12.1.1. Select Engine Hardware	*							2b	-	-	-
2.12.1.2. Use Engine Hardware	*							2b	-	-	-
2.12.1.3. Use Hardware Safety Devices	*							2b	-	-	-
2.12.1.4. Bearing Inspection/ Handling								a	-	-	-
2.12.1.5. Proper Handling of Electrostatic Discharge (ESD) Sensitive								-	-	-	-
2.13. ELECTRICAL SYSTEMS											
2.13.1. Electrical Fundamentals								A	-	-	-
2.13.2. Trace Wiring Diagrams, Circuits and Schematics								-	-	-	-
2.13.3. Use Multimeters	*							1a	-	-	-
2.14. ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D 54, 1-1A-8, 2J-1-13, 2-1 111, and Applicable Interactive Electronic Technical Manuals											
2.14.1. Perform Preliminary Maintenance Procedures											
2.14.1.1. Work Area	*							2b	-	-	-
2.14.1.2. Support Equipment	*							2b	-	-	-
2.14.1.3. Engine	*							2b	-	-	-
2.14.2. Engine Plumbing											
2.14.2.1. Remove	*							2b	-	-	-
2.14.2.2. Inspect	*							2b	-	-	-
2.14.2.3. Install	*							2b	-	-	-
2.15. SPECIAL/MEASURING TOOLS TR: TOs 32-1-101, 32-1 201, and											
2.15.1. Depth Gauge											
2.15.1.1. Select								2b	-	-	-
2.15.1.2. Use								2b	-	-	-
2.15.2. Micrometers											
2.15.2.1. Select								2b	-	-	-
2.15.2.2. Use								2b	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.15.3. Torque Wrenches											
2.15.3.1. Select	*							2b	-	-	-
2.15.3.2. Use	*							2b	-	-	-
2.15.4. Engine Fixtures/Tooling											
2.15.4.1. Select								2b	-	-	-
2.15.4.2. Use								2b	-	-	-
2.15.5. Calipers											
2.15.5.1. Select								2b	-	-	-
2.15.5.2. Use								2b	-	-	-
2.16. TEST EQUIPMENT TR: Applicable Engine TOs											
2.16.1. Vibration Analyzer								-	-	-	-
2.16.2. Jet Cal Analyzer								-	-	-	-
2.16.3. Velocimeter/Accelerometer/ Velometer								-	-	-	-
2.16.4. Vacuum/Pneumatic Tester								-	-	-	-
2.16.5. Dynamic Balancer								-	-	-	-
2.16.6. Fuel Nozzle Flow Tester								-	-	-	-
2.17. SUPPORT EQUIPMENT TR: TOs 35A4 Series, 35D3 Series, 35D4 Series, and Applicable Interactive Electronic Technical Manuals											
2.17.1. Hoisting Equipment											
2.17.1.1. Operate Portable								2b	-	-	-
2.17.1.2. Operate Power Overhead								2b	-	-	-
2.17.2. Engine Stand											
2.17.2.1. Remove Engine from Stand								1a	-	-	-
2.17.2.2. Install Engine On Stand								1a	-	-	-
2.17.3. Lifting Adapters											
2.17.3.1. Inspect								-	-	-	-
2.17.3.2. Assemble								-	-	-	-
2.17.3.3. Disassemble								-	-	-	-
2.17.3.4. Weight Check								-	-	-	-
2.17.4. Personnel Stands											
2.17.4.1. Inspect Prior to Use								1a	-	-	-
2.17.4.2. Operate								1a	-	-	-
2.17.4.3. Maintain								-	-	-	-
2.17.5. Transportation Equipment											
2.17.5.1. Inspect Prior to Use	*							1a	-	-	-
2.17.5.2. Operate								1a	-	-	-
2.17.5.3. Maintain								-	-	-	-
2.17.6. Engine Trailer Maintenance											
2.17.6.1. Engine Trailer Steering Components											
2.17.6.1.1. Inspection								-	-	-	-
2.17.6.1.2. Removal								-	-	-	-
2.17.6.1.3. Installation								-	-	-	-
2.17.6.2. Engine Trailer King Pin											
2.17.6.2.1. Inspection								-	-	-	-
2.17.6.2.2. Removal								-	-	-	-
2.17.6.2.3. Installation								-	-	-	-
2.17.6.3. Engine Trailer Wheel Bearings											
2.17.6.3.1. Inspection								-	-	-	-
2.17.6.3.2. Removal								-	-	-	-
2.17.6.3.3. Lubrication								-	-	-	-
2.17.6.3.4. Installation								-	-	-	-
2.17.6.4. Engine Trailer Brake Assembly											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.17.6.4.1. Inspection								-	-	-	-
2.17.6.4.2. Removal								-	-	-	-
2.17.6.4.3. Installation								-	-	-	-
2.17.6.5 Engine Trailer Wheel and Hub											
2.17.6.5.1. Inspection								-	-	-	-
2.17.6.6. Engine Trailer Tire											
2.17.6.6.1. Inspection								-	-	-	-
2.17.6.6.2. Removal								-	-	-	-
2.17.6.6.3. Installation								-	-	-	-
2.17.6.6.4. Tube/Tire Replacement								-	-	-	-
2.17.6.6.5. Engine Trailer Wheel Alignment								-	-	-	-
2.17.6.7. Engine Trailer Tow Bar											
2.17.6.7.1. Inspection								-	-	-	-
2.17.6.7.2. Removal								-	-	-	-
2.17.6.7.3. Installation								-	-	-	-
2.17.6.8. Engine Trailer Tie Rods											
2.17.6.8.1. Inspection								-	-	-	-
2.17.6.8.2. Removal								-	-	-	-
2.17.6.8.3. Installation								-	-	-	-
2.17.6.9. Engine Trailer Rails											
2.17.6.9.1. Inspection								-	-	-	-
2.17.6.9.2. Removal								-	-	-	-
2.17.6.9.3. Installation								-	-	-	-
2.17.6.10. Engine Trailer Quick Release Pins											
2.17.6.10.1. Inspection								-	-	-	-
2.17.6.11. Engine Lift Trailer								-	-	-	-
2.17.6.11.1. Disassembly								-	-	-	-
2.17.6.11.2. Inspection and Periodic Inspection								-	-	-	-
2.17.6.11.3. Hydraulic System Operation								-	-	-	-
2.17.6.11.4. Assembly								-	-	-	-
2.17.6.12. Engine Transportation Support Equipment											
2.17.6.12.1. Disassembly								-	-	-	-
2.17.6.12.2. Inspection								-	-	-	-
2.17.6.12.3. Assembly								-	-	-	-
2.17.6.13. Engine Test Support Equipment											
2.17.6.13.1. Inspection								-	-	-	-
2.17.6.13.2. Periodic Maintenance								-	-	-	-
2.17.7. Powered Support Equipment											
2.17.7.1. General											
2.17.7.1.1. Perform Inspection								-	-	-	-
2.17.7.1.2. Operate Electrical Power Units (Gas Turbine/ Diesel)								-	-	-	-
2.17.7.1.3. Operate Air Conditioner								-	-	-	-
2.17.7.1.4. Operate Floodlight Set								-	-	-	-
2.17.7.1.5. Operate Pneumatic Air Cart								-	-	-	-
2.17.7.1.6. Operate Self Generating Nitrogen Cart								-	-	-	-
2.17.7.1.7. Operate Portable Ground Heater								-	-	-	-
2.17.7.2. Compressor Wash Cart/Unit											
2.17.7.2.1. Inspect Prior to Use								-	-	-	-
2.17.7.2.2. Operate								-	-	-	-
2.17.7.2.3. Maintain								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.18. ENGINE INSPECTION AND PREVENTIVE MAINTENANCE TR: AFI 21-131, TOs 00-20 Series, 33B4-2-29-1/11, 33B4-2 22-1, 33-1-37 Series, and Applicable Interactive Electronic Technical Manuals											
2.18.1. Analysis											
2.18.1.1. Damage Analysis								-	-	-	-
2.18.1.2. Vibration Analysis								-	-	-	-
2.18.1.3. Oil Analysis Program (OAP) / Joint Oil Analysis Program (JOAP)								A	-	-	-
2.18.1.4. Obtain Engine Oil Sample								-	-	-	-
2.18.1.5. Inspect Oil Filter/Chip Detector/Magnetic Drain Plug								1a	-	-	-
2.18.2. Borescope											
2.18.2.1. Fundamentals								A	-	-	-
2.18.2.2. Use Rigid								-	-	-	-
2.18.2.3. Use Flexible								-	-	-	-
2.19. ENGINE PRESERVATION SHIPMENT AND STORAGE TR: TOs 00-20-1, 00-20-4, 00-20-5, 00 85-20, 2J-1-18, 2-1-111, 6J3-1 12, and Applicable Interactive Electronic Technical Manuals											
2.19.1. Prepare Engine for Shipment								-	-	-	-
2.19.2. Engine/Module/ Components in Shipping Container											
2.19.2.1. Removal								-	-	-	-
2.19.2.2. Installation								-	-	-	-
2.19.2.3. Pressurize Shipping Container								-	-	-	-
2.19.2.4. Periodic Inspection Requirements								-	-	-	-
2.19.3. Engine											
2.19.3.1. Preserve								a	-	-	-
2.19.3.2. De-preserve								a	-	-	-
2.19.3.3. Corrosion Control								-	-	-	-
2.19.4. Module											
2.19.4.1. Preserve								-	-	-	-
2.19.4.2. De-preserve								-	-	-	-
2.19.4.3. Corrosion Control								-	-	-	-
2.19.5. Components											
2.19.5.1. Preserve								-	-	-	-
2.19.5.2. De-preserve								-	-	-	-
2.19.5.3. Corrosion Control								-	-	-	-
2.20. AIRCRAFT INSTALLED ENGINE TESTING											
2.20.1. Engine Operational Checks								-	-	-	-
2.20.2. Perform Ground Observer/ Fireguard Duties								-	-	-	-
2.20.3. Engine Adjustments								-	-	-	-
2.20.4. Evaluate Engine Performance								-	-	-	-
2.20.5. System and Component Troubleshooting								-	-	-	-
2.21. NOISE SUPPRESSOR/HUSH HOUSE/ ENGINE TEST STAND (NSS)											
2.21.1. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.21.2. Maintenance								-	-	-	-
2.21.3. Operate								-	-	-	-
2.21.4. Troubleshoot								-	-	-	-
2.21.5. Fire Suppression Panel Operator								-	-	-	-
2.22. UNINSTALLED ENGINE TESTING TR: TOs 00-20-1, 00-25-238, and Applicable Interactive Electronic Technical Manuals											
2.22.1. Pre-Operational Checks								-	-	-	-
2.22.2. Operational Checks								-	-	-	-
2.22.3. Evaluate Engine Performance								-	-	-	-
2.22.4. Engine System Components Adjustment								-	-	-	-
2.22.5. Post-Operational Checks								-	-	-	-
2.22.6. System and Component Troubleshooting								-	-	-	-
2.22.7. Install Engine											
2.22.8. Remove Engine								-	-	-	-
2.22.9. Perform Ground Observer/ Fireguard Duties								-	-	-	-
2.23. GENERAL MAINTENANCE/ PRODUCTION TEAM MAINTENANCE TASKS TR: AFI 91-203 and Applicable Aircraft & Engine TOs											
2.23.1. Perform Flight Line Safety/Precautions/Security Familiarization								-	-	-	-
2.23.2. Introduction to Aircraft/Airframe Familiarization/Egress								-	-	-	-
2.23.3. Operate Aircraft Radios								-	-	-	-
2.23.4. Defensive Systems (DS) Familiarization (on Applicable Aircraft)								-	-	-	-
2.23.5. Statically Ground Aircraft								-	-	-	-
2.23.6. Apply/Disconnect External Electrical Power Unit								-	-	-	-
2.23.7. Perform Jacking Team Member								-	-	-	-
2.23.8. Perform Refuel/Defuel Team Member Duties								-	-	-	-
2.23.9. Perform Refuel/Defuel Team Supervisor								-	-	-	-
2.23.10. Remove/Install Aircraft Maintenance Access Panels								-	-	-	-
2.23.11. Use Aircraft Interphone System								-	-	-	-
2.23.12. Perform Aircraft Marshaling Procedures								-	-	-	-
2.23.13. Tow Aircraft								-	-	-	-
2.23.14. Perform Tow Team Supervisor								-	-	-	-
2.23.15. Perform Wing/Tail Walker Duties								-	-	-	-
2.23.16. Brake Operator								-	-	-	-
2.23.17. Perform Launch/Recovery Procedures								-	-	-	-
2.23.18. Perform Jack Team Supervisor								-	-	-	-
2.23.19. Perform Concurrent Servicing Supervisor								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
2.23.20. Perform Tire Servicing								-	-	-	-
2.23.21. Replace Tires								-	-	-	-
2.23.22. Replace Brakes								-	-	-	-
2.23.23. Perform Aircraft Pre-Flight Inspection								-	-	-	-
2.23.24. Perform Aircraft Thru-Flight Inspection								-	-	-	-
2.23.25. Perform Aircraft Post-Flight Inspection								-	-	-	-
2.23.26. Operate Aircraft Cargo Door/Ramp/								-	-	-	-
2.23.27. Perform LOX/GOX servicing								-	-	-	-
2.23.28. Configure -21 Equipment								-	-	-	-
2.23.29. Operate Hangar Doors											
2.23.29.1 Electrical								-	-	-	-
2.23.29.2 Mechanical								-	-	-	-
2.24. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
2.24.1. Installed Engine Run Certifying Official								-	-	-	-
2.24.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
2.24.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
2.24.4. Flexible Borescope Certifying Official								-	-	-	-
2.24.5. Engine Blade Blend Certifying Official								-	-	-	-
2.24.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
2.24.7. IPI by PAFSC and MDS								-	-	-	-
2.24.8. Red-X and/or IPI - Limited								-	-	-	-
2.24.9. Installed Engine Run by MDS								-	-	-	-
2.24.10. Engine Blade Blending								-	-	-	-
2.24.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
2.24.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
2.24.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
2.24.14. Engine Flexible Borescope Inspections								-	-	-	-
2.24.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary PowerPlant (APP) Operator								-	-	-	-
2.24.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
2.24.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 3

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel in the apprentice (3-level) J3ABR2A631D049D (F100) and J3ABR2A631E050D (F110) courses. The tasks and proficiency codes listed in column 4A of this attachment are driven by unique equipment design.

NOTE 2: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on F100, F101, F110, and F118, engines.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

3.1. ENGINE AND RELATED SYSTEMS TR: AFI 21-101, 2-1-111 (F100), and Applicable Aircraft/Engine TOs.											
	3.1.1. General										
3.1.1.1. Constructional Features								B	-	-	-
3.1.1.2. Use RCM Calculator								-	-	-	-
3.1.1.3. Use TOs (Organizational/Intermediate/IETMS)								-	-	-	-
3.1.1.4. Use EAWP								-	-	-	-
3.1.1.5. Operating Principles								B	-	-	-
3.1.1.6. Basic Troubleshooting Procedures								-	-	-	-
3.1.2. Constructional Features											
3.1.2.1. Compressor								A	-	-	-
3.1.2.2. Combustion								A	-	-	-
3.1.2.3. Turbine								A	-	-	-
3.1.2.4. Augmenter/Exhaust Nozzle								A	-	-	-
3.1.2.5. Gearbox								A	-	-	-
3.1.2.6. Trace and Interpret System Schematics								-	-	-	-
3.1.2.7. F-15 Start System								-	-	-	-
3.1.2.8. F-16 Start System								-	-	-	-
3.1.3. Engine Systems											
3.1.3.1. Electrical								A	-	-	-
3.1.3.2. Oil								A	-	-	-
3.1.3.3. Fuel								A	-	-	-
3.1.3.4. Ignition								A	-	-	-
3.1.3.5. Anti-Icing								A	-	-	-
3.1.3.6. Engine Start								A	-	-	-
3.1.3.7. Bleed Air								A	-	-	-
3.1.3.8. Fire Warning								-	-	-	-
3.1.3.9. Engine Indicating								A	-	-	-
3.1.3.10. Overheat Warning								-	-	-	-
3.1.3.11. Augmenter/Exhaust Nozzle								A	-	-	-
3.1.4. Engine Controls											
3.1.4.1. Electronic/Mechanical								A	-	-	-
3.1.4.2. Variable Geometry/ Compressor Air Flow								A	-	-	-
3.1.5. Engine Monitoring Systems											
3.1.5.1. Engine Monitoring System Fundamentals								A	-	-	-
3.1.5.2. Engine Monitoring F100								-	-	-	-
3.1.5.3. Engine Monitoring F110								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.1.5.4. Use/Operate Monitoring Devices								-	-	-	-
3.1.6. Digital Engine Start System Control (DESSC) F-16											
3.1.6.1. Troubleshoot								-	-	-	-
3.1.6.2. Download								-	-	-	-
3.2. ENGINE MAINTENANCE TR: AFI 21-101, 2-1-111 (F100, F101 F110, F118), and Applicable Aircraft/Engine TOs.											
3.2.1. Engine Electrical Cables/Harness											
3.2.1.1. Remove	*							a	-	-	-
3.2.1.2. Inspect		*						a	-	-	-
3.2.1.3. Install	*							a	-	-	-
3.2.2. Exciter											
3.2.2.1. Remove	*							2b	-	-	-
3.2.2.2. Inspect		*						2b	-	-	-
3.2.2.3. Install	*							2b	-	-	-
3.2.2.3. Fuel Pump											
3.2.2.3.1. Remove	*							2b	-	-	-
3.2.2.3.2. Inspect		*						2b	-	-	-
3.2.2.3.3. Install	*							2b	-	-	-
3.2.2.4. Fuel Boost Pump (F101/ 110)											
3.2.2.4.1. Remove	*							-	-	-	-
3.2.2.4.2. Inspect		*						-	-	-	-
3.2.2.4.3. Install	*							-	-	-	-
3.2.2.5. Anti-Ice Valve											
3.2.2.5.1. Remove	*							2b	-	-	-
3.2.2.5.2. Inspect		*						2b	-	-	-
3.2.2.5.3. Install	*							2b	-	-	-
3.2.2.6. Igniter								-	-	-	-
3.2.2.6.1. Remove	*							2b	-	-	-
3.2.2.6.2. Inspect		*						2b	-	-	-
3.2.2.6.3. Install	*							2b	-	-	-
3.2.2.7. Fuel Control											
3.2.2.7.1. Remove	*							2b	-	-	-
3.2.2.7.2. Inspect		*						2b	-	-	-
3.2.2.7.3. Install	*							2b	-	-	-
3.2.2.7.4. Rigging		*						-	-	-	-
3.2.2.8. Fuel Filter											
3.2.2.8.1. Remove	*							-	-	-	-
3.2.2.8.2. Inspect		*						-	-	-	-
3.2.2.8.3. Install	*							-	-	-	-
3.2.2.9. Fuel Filter Differential Pressure Indicator											
3.2.2.9.1. Remove								-	-	-	-
3.2.2.9.2. Inspect								-	-	-	-
3.2.2.9.3. Install								-	-	-	-
3.2.2.10. Oil Pump											
3.2.2.10.1. Remove								-	-	-	-
3.2.2.10.2. Inspect								-	-	-	-
3.2.2.10.3. Install								-	-	-	-
3.2.2.11. Oil Tank											
3.2.2.11.1. Remove								2b	-	-	-
3.2.2.11.2. Inspect								-	-	-	-
3.2.2.11.3. Install								2b	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.2.11.4. Service	*							-	-	-	-
3.2.12. Oil Pressure Transmitter											
3.2.12.1. Remove	*							2b	-	-	-
3.2.12.2. Inspect								-	-	-	-
3.2.12.3. Install	*							2b	-	-	-
3.2.13. Fuel Oil Cooler											
3.2.13.1. Remove								-	-	-	-
3.2.13.2. Inspect								-	-	-	-
3.2.13.3. Install								-	-	-	-
3.2.14. Air Oil Cooler											
3.2.14.1. Remove								-	-	-	-
3.2.14.2. Inspect								-	-	-	-
3.2.14.3. Install								-	-	-	-
3.2.15. Hydraulic Pump											
3.2.15.1. Remove								-	-	-	-
3.2.15.2. Inspect								-	-	-	-
3.2.15.3. Install								-	-	-	-
3.2.16. Oil Filter/Strainer											
3.2.16.1. Remove	*							-	-	-	-
3.2.16.2. Inspect		*						-	-	-	-
3.2.16.3. Install	*							-	-	-	-
3.2.17. Chip detector								-	-	-	-
3.2.17.1. Remove	*							-	-	-	-
3.2.17.2. Inspect		*						-	-	-	-
3.2.17.3. Install	*							-	-	-	-
3.2.18. Lube Filter Differential Pressure Indicator											
3.2.18.1. Remove								-	-	-	-
3.2.18.2. Inspect								-	-	-	-
3.2.18.3. Install								-	-	-	-
3.2.19. Lube Flow Sensor								-	-	-	-
3.2.19.1. Remove								-	-	-	-
3.2.19.2. Inspect								-	-	-	-
3.2.19.3. Install								-	-	-	-
3.2.20. Low Oil Pressure Switch											
3.2.20.1. Remove								-	-	-	-
3.2.20.2. Inspect								-	-	-	-
3.2.20.3. Install								-	-	-	-
3.2.21. Breather Pressurizing Valve											
3.2.21.1. Remove								-	-	-	-
3.2.21.2. Inspect								-	-	-	-
3.2.21.3. Install								-	-	-	-
3.2.22. Stator Generator											
3.2.22.1. Remove	*							2b	-	-	-
3.2.22.2. Inspect		*						-	-	-	-
3.2.22.3. Install	*							2b	-	-	-
3.2.23. Rotor Generator											
3.2.23.1. Remove	*							-	-	-	-
3.2.23.2. Inspect		*						-	-	-	-
3.2.23.3. Install	*							-	-	-	-
3.2.24. Engine Electronic Control (DEC,DEEC, and EFTC )											
3.2.24.1. Remove	*							2b	-	-	-
3.2.24.2. Inspect								-	-	-	-
3.2.24.3. Install	*							2b	-	-	-
3.2.25. EDU/ I-Box (F100 Only)											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.2.25.1. Remove	*							2b	-	-	-
3.2.25.2. Inspect								-	-	-	-
3.2.25.3. Install	*							2b	-	-	-
3.2.26. Compressor Inlet Variable Vane/Inlet Guide Vane Actuating Systems											
3.2.26.1. Remove	*							-	-	-	-
3.2.26.2. Inspect								-	-	-	-
3.2.26.3. Install	*							-	-	-	-
3.2.26.4. Rig		*						-	-	-	-
3.2.27. Rear Compressor Variable Vane/ Variable Stator Vane Actuating Systems											
3.2.27.1. Remove	*							-	-	-	-
3.2.27.2. Inspect								-	-	-	-
3.2.27.3. Install	*							-	-	-	-
3.2.27.4. Rig		*						-	-	-	-
3.2.28. Rear Compressor Variable Vane/ Variable Stator Vane Feedback Cable											
3.2.28.1. Remove								-	-	-	-
3.2.28.2. Inspect								-	-	-	-
3.2.28.3. Install								-	-	-	-
3.2.28.4. Rig		*						-	-	-	-
3.2.29. Compressor Bleed Cylinder/ Compressor Bleed Actuating Systems											
3.2.29.1. Remove	*							-	-	-	-
3.2.29.2. Inspect								-	-	-	-
3.2.29.3. Install	*							-	-	-	-
3.2.29.4. Rig		*						-	-	-	-
3.2.30. Turbine Temperature Indicating System (FTIT, Pyrometer)											
3.2.30.1. Remove	*							-	-	-	-
3.2.30.2. Inspect								-	-	-	-
3.2.30.3. Clean								-	-	-	-
3.2.30.4. Install	*							-	-	-	-
3.2.30.5. Shim								-	-	-	-
3.2.31. T2 Sensor											
3.2.31.1. Remove								-	-	-	-
3.2.31.2. Inspect								-	-	-	-
3.2.31.3. Install								-	-	-	-
3.2.32. Gearbox											
3.2.32.1. Remove								2b	-	-	-
3.2.32.2. Inspect								2b	-	-	-
3.2.32.3. Install								2b	-	-	-
3.2.33. Compressor (Fan)											
3.2.33.1. Remove								2b	-	-	-
3.2.33.2. Inspect								2b	-	-	-
3.2.33.3. Install								2b	-	-	-
3.2.33.4. Perform Compressor Wash								-	-	-	-
3.2.34. Front Frame/IGV Assembly											
3.2.34.1. Remove								-	-	-	-
3.2.34.2. Inspect								-	-	-	-
3.2.34.3. Install								-	-	-	-
3.2.34.4. Repair								-	-	-	-
3.2.35. Blades Compressor Fan											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.2.35.1. Remove								-	-	-	-
3.2.35.2. Inspect								-	-	-	-
3.2.35.3. Install								-	-	-	-
3.2.35.4. Repair (Blend)								a	-	-	-
3.2.36. Fan Frame/Compressor Intermediate Case Assembly											
3.2.36.1. Remove								-	-	-	-
3.2.36.2. Inspect								-	-	-	-
3.2.36.3. Install								-	-	-	-
3.2.36.4. Repair								-	-	-	-
3.2.37. Fan Stator Case											
3.2.37.1. Remove								-	-	-	-
3.2.37.2. Inspect								-	-	-	-
3.2.37.3. Install								-	-	-	-
3.2.38. F100 Fan Duct											
3.2.38.1. Remove								2b	-	-	-
3.2.38.2. Inspect								-	-	-	-
3.2.38.3. Install								2b	-	-	-
3.2.39. F110 Fan Duct											
3.2.39.1. Remove								-	-	-	-
3.2.39.2. Inspect								-	-	-	-
3.2.39.3. Install								-	-	-	-
3.2.40. Augmenter											
3.2.40.1. Augmenter/Exhaust Nozzle Assembly											
3.2.40.1.1. Remove								2b	-	-	-
3.2.40.1.2. Inspect		*						2b	-	-	-
3.2.40.1.3. Install								2b	-	-	-
3.2.40.2. Spray-Bar/Spray-Ring											
3.2.40.2.1. Remove								-	-	-	-
3.2.40.2.2. Inspect								-	-	-	-
3.2.40.2.3. Install								-	-	-	-
3.2.40.2.4. Cleaning/ Baking								-	-	-	-
3.2.40.3. Augmenter Fuel Control											
3.2.40.3.1. Remove								-	-	-	-
3.2.40.3.2. Inspect								-	-	-	-
3.2.40.3.3. Install								-	-	-	-
3.2.40.4. Augmenter Fuel Pump											
3.2.40.4.1. Remove								-	-	-	-
3.2.40.4.2. Inspect								-	-	-	-
3.2.40.4.3. Install								-	-	-	-
3.2.40.5. Augmenter Fuel Pump Filter											
3.2.40.5.1. Remove								-	-	-	-
3.2.40.5.2. Inspect								-	-	-	-
3.2.40.5.3. Install								-	-	-	-
3.2.40.6. F100 Augmenter Fuel Pump Controller											
3.2.40.6.1. Remove								-	-	-	-
3.2.40.6.2. Inspect								-	-	-	-
3.2.40.6.3. Install								-	-	-	-
3.2.40.7. Nozzle Actuator (Core Task F100 Only)											
3.2.40.7.1. Remove	*							-	-	-	-
3.2.40.7.2. Inspect								-	-	-	-
3.2.40.7.3. Install	*							-	-	-	-
3.2.40.7.4. Rig		*						-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.2.40.8. F100 Convergent Exhaust Nozzle Control (CENC)											
3.2.40.8.1. Remove	*							-	-	-	-
3.2.40.8.2. Inspect								-	-	-	-
3.2.40.8.3. Install	*							-	-	-	-
3.2.40.8.4. Rigging		*						-	-	-	-
3.2.40.9. Liner/Duct											
3.2.40.9.1. Remove								-	-	-	-
3.2.40.9.2. Inspect								-	-	-	-
3.2.40.9.3. Install								-	-	-	-
3.2.40.10. Flame holder											
3.2.40.10.1. Remove								-	-	-	-
3.2.40.10.2. Inspect								-	-	-	-
3.2.40.10.3. Install								-	-	-	-
3.2.40.11. Mixing Duct											
3.2.40.11.1. Remove								-	-	-	-
3.2.40.11.2. Inspect								-	-	-	-
3.2.40.11.3. Install								-	-	-	-
3.2.40.12. Augmenter Igniter											
3.2.40.12.1. Remove								-	-	-	-
3.2.40.12.2. Inspect								-	-	-	-
3.2.40.12.3. Install								-	-	-	-
3.2.40.13. Flame Sensor/Light-Off Detector											
3.2.40.13.1. Remove								-	-	-	-
3.2.40.13.2. Inspect								-	-	-	-
3.2.40.13.3. Clean								-	-	-	-
3.2.40.13.4. Install								-	-	-	-
3.2.40.14. T5.6 Probe											
3.2.40.14.1. Remove								-	-	-	-
3.2.40.14.2. Inspect								-	-	-	-
3.2.40.14.3. Install								-	-	-	-
3.2.40.15. Nozzle Position Transmitter/LVDT											
3.2.40.15.1. Remove								-	-	-	-
3.2.40.15.2. Inspect								-	-	-	-
3.2.40.15.3. Install								-	-	-	-
3.2.40.15.4. Rig		*						-	-	-	-
3.2.40.16. Flap/Seals/Segment											
3.2.40.16.1. Remove								2b	-	-	-
3.2.40.16.2. Inspect								2b	-	-	-
3.2.40.16.3. Install								2b	-	-	-
3.2.41. Turbine Section											
3.2.41.1. Turbine Frame											
3.2.41.1.1. Remove								-	-	-	-
3.2.41.1.2. Inspect								-	-	-	-
3.2.41.1.3. Install								-	-	-	-
3.2.41.1.4. Repair								-	-	-	-
3.2.41.2. Low Pressure Turbine (FDTM)											
3.2.41.2.1. Remove								2b	-	-	-
3.2.41.2.2. Inspect								2b	-	-	-
3.2.41.2.3. Install								2b	-	-	-
3.2.41.3. High Pressure Turbine											
3.2.41.3.1. Remove								2b	-	-	-
3.2.41.3.2. Inspect								2b	-	-	-
3.2.41.3.3. Install								2b	-	-	-
3.2.41.4. Blades/Nozzle Vanes & Segments											
3.2.41.4.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.2.41.4.2. Inspect								-	-	-	-
3.2.41.4.3. Install								-	-	-	-
3.2.41.5. Shroud Segments/Blade Outer Air Seal (BOAS)											
3.2.41.5.1. Remove								-	-	-	-
3.2.41.5.2. Inspect								-	-	-	-
3.2.41.5.3. Install								-	-	-	-
3.2.41.6. Combustion Section											
3.2.41.6.1. Remove								2b	-	-	-
3.2.41.6.2. Inspect								2b	-	-	-
3.2.41.6.3. Install								2b	-	-	-
3.2.41.7. Diffuser Case/Combustor Diffuser Nozzle											
3.2.41.7.1. Remove								-	-	-	-
3.2.41.7.2. Inspect											
3.2.41.7.3. Install								-	-	-	-
3.2.41.8. Engine Bearings											
3.2.41.8.1. Remove								2b	-	-	-
3.2.41.8.2. Clean								-	-	-	-
3.2.41.8.3. Inspect								-	-	-	-
3.2.41.8.4. Install								2b	-	-	-
3.2.41.9. Fuel Manifolds											
3.2.41.9.1. Remove								2b	-	-	-
3.2.41.9.2. Inspect								2b	-	-	-
3.2.41.9.3. Install								2b	-	-	-
3.2.41.10. Fuel Nozzles											
3.2.41.10.1. Remove								2b	-	-	-
3.2.41.10.2. Inspect								2b	-	-	-
3.2.41.10.3. Install								2b	-	-	-
3.2.41.11. Compressor (Core)											
3.2.41.11.1. Remove								-	-	-	-
3.2.41.11.2. Inspect								1a	-	-	-
3.2.41.11.3. Install								-	-	-	-
3.2.41.12. Blades Compressor (Core)											
3.2.41.12.1. Remove								a	-	-	-
3.2.41.12.2. Inspect								-	-	-	-
3.2.41.12.3. Install								a	-	-	-
3.2.41.12.4. Repair (Blend)								-	-	-	-
3.2.41.13. Inlet Gearbox											
3.2.41.13.1. Remove								-	-	-	-
3.2.41.13.2. Inspect								-	-	-	-
3.2.41.13.3. Install								-	-	-	-
3.2.41.14. Front Compressor Stator Case											
3.2.41.14.1. Remove								-	-	-	-
3.2.41.14.2. Inspect								-	-	-	-
3.2.41.14.3. Install								-	-	-	-
3.2.41.15. VSV Bellcrank Support											
3.2.41.15.1. Remove								-	-	-	-
3.2.41.15.2. Inspect								-	-	-	-
3.2.41.15.3. Install								-	-	-	-
3.2.41.15.4. Rig								-	-	-	-
3.2.41.16. Rear Compressor Stator Case											
3.2.41.16.1. Remove								-	-	-	-
3.2.41.16.2. Inspect								-	-	-	-
3.2.41.16.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.2.41.17. Fan Speed Sensor/N1 Speed Indicating System											
3.2.41.17.1. Remove								-	-	-	-
3.2.41.17.2. Inspect								-	-	-	-
3.2.41.17.3. Install								-	-	-	-
3.2.41.17.4. Perform Fan Trim Balance								-	-	-	-
3.2.41.18. Lube Metering & Scavenge Pump											
3.2.41.18.1. Remove								-	-	-	-
3.2.41.18.2. Inspect								-	-	-	-
3.2.41.18.3. Install								-	-	-	-
3.2.41.19. Fan Discharge Temperature Sensor											
3.2.41.19.1. Remove								-	-	-	-
3.2.41.19.2. Inspect								-	-	-	-
3.2.41.19.3. Install								-	-	-	-
3.2.42. Engine Removal and Installation in Airframe											
3.2.42.1. Remove Engine								1a	-	-	-
3.2.42.2. Install Engine								1a	-	-	-
3.2.42.3. Service Engine								a	-	-	-
3.2.43. Engine Maintenance Stands											
3.2.43.1. Inspect Prior to Use								a	-	-	-
3.2.43.2. Operate								1a	-	-	-
3.2.43.3. Maintain								a	-	-	-
3.2.44. Engine Throttle Rigging TR: Applicable Aircraft/Engine TOs											
3.2.44.1. Rig								1a	-	-	-
3.2.44.2. Inspect								-	-	-	-
3.3. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
3.3.1. Installed Engine Run Certifying Official								-	-	-	-
3.3.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
3.3.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
3.3.4. Flexible Borescope Certifying Official								-	-	-	-
3.3.5. Engine Blade Blend Certifying Official								-	-	-	-
3.3.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
3.3.7. IPI by PAFSC and MDS								-	-	-	-
3.3.8. Red-X and/or IPI - Limited								-	-	-	-
3.3.9. Installed Engine Run by MDS								-	-	-	-
3.3.10. Engine Blade Blending								-	-	-	-
3.3.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
3.3.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
3.3.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
3.3.14. Engine Flexible Borescope Inspections								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
3.3.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC/Auxiliary Power Plant (APP) Operator								-	-	-	-
3.3.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
3.3.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 4

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel in the apprentice (3-level) J3ABR2A631C048D (High Bypass) course.

NOTE 2: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on JT8D, TF33 and TF34

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC for skill level upgrade until training capability becomes available.

4.1.	GENERAL MAINTENANCE TR: 1-1A-8, 1- 1A-14, 2-1-111, 44B-1-15, 2J-TF33-76, 1B-52H-10, 1B-52H-2-7JG series and Applicable Aircraft/Engine TOs										
	4.1.1. Constructional Features							A	-	-	-
4.1.2.	Engine Systems							A	-	-	-
4.1.3.	Open Engine Cowling							-	-	-	-
4.1.4.	Close Engine Cowling							-	-	-	-
4.1.5.	Engine Garlock Seal							-	-	-	-
4.1.6.	Use Interactive Electronic Technical Manual System (IETMS/Intermediate/Organizational)							-	-	-	-
4.2.	ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54, 1-1A-8, 2J-1-13, 2-1-111, 2J-TF33-76, 1B-52H-10, 1B-52H-2-7JG series and Applicable Aircraft/Engine TOs										
4.2.1.	Engine Accessories										
4.2.1.1.	Engine Anti-Ice Valve										
4.2.1.1.1.	Remove							-	-	-	-
4.2.1.1.2.	Inspect							-	-	-	-
4.2.1.1.3.	Install							-	-	-	-
4.2.1.2.	Fuel System										
4.2.1.2.1.	Theory							-	-	-	-
4.2.1.2.3.	Fuel Pump										
4.2.1.3.1.	Remove							-/2b	-	-	-
4.2.1.3.2.	Inspect							-/2b	-	-	-
4.2.1.3.3.	Install							-/2b	-	-	-
4.2.1.4.	Fuel Control										
4.2.1.4.1.	Remove	*						-/2b	-	-	-
4.2.1.4.2.	Inspect		*					-/2b	-	-	-
4.2.1.4.3.	Install	*						-/2b	-	-	-
4.2.1.5.	Fuel Oil Cooler										
4.2.1.5.1.	Remove							-	-	-	-
4.2.1.5.2.	Inspect							-	-	-	-
4.2.1.5.3.	Install							-	-	-	-
4.2.1.6.	Fuel Filter										
4.2.1.6.1.	Remove	*						-	-	-	-
4.2.1.6.2.	Inspect		*					-	-	-	-
4.2.1.6.3.	Install	*						-	-	-	-
4.2.1.7.	Fuel Manifold										

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.1.7.1. Remove								-	-	-	-
4.2.1.7.2. Inspect								-	-	-	-
4.2.1.7.3. Install								-	-	-	-
4.2.1.8. Fuel Nozzles (External)											
4.2.1.8.1. Remove								-/2b	-	-	-
4.2.1.8.2. Inspect								-/2b	-	-	-
4.2.1.8.3. Install								-/2b	-	-	-
4.2.1.9. Fuel Distributor											
4.2.1.9.1. Remove								-	-	-	-
4.2.1.9.2. Inspect								-	-	-	-
4.2.1.9.3. Install								-	-	-	-
4.2.1.10. Pressurizing Valve (PV)											
4.2.1.10.1. Remove								-	-	-	-
4.2.1.10.2. Inspect								-	-	-	-
4.2.1.10.3. Install								-	-	-	-
4.2.1.11. Exciter											
4.2.1.11.1. Remove	*							-/2b	-	-	-
4.2.1.11.2. Inspect		*						-/2b	-	-	-
4.2.1.11.3. Install	*							-/2b	-	-	-
4.2.1.12. Igniter Plug											
4.2.1.12.1. Remove	*							-/2b	-	-	-
4.2.1.12.2. Inspect								-/2b	-	-	-
4.2.1.12.3. Install	*							-/2b	-	-	-
4.2.1.13. Igniter Lead											
4.2.1.13.1. Remove	*							-	-	-	-
4.2.1.13.2. Inspect								-	-	-	-
4.2.1.13.3. Install	*							-	-	-	-
4.2.1.14. Thermocouple Harness											
4.2.1.14.1. Remove								-	-	-	-
4.2.1.14.2. Inspect								-	-	-	-
4.2.1.14.3. Install								-	-	-	-
4.2.1.15. Thermocouples											
4.2.1.15.1. Remove								-	-	-	-
4.2.1.15.2. Inspect								-	-	-	-
4.2.1.15.3. Install								-	-	-	-
4.2.1.16. Engine Temperature Amplifier (T5)(TF34 Only)											
4.2.1.16.1. Remove	*							-	-	-	-
4.2.1.16.2. Inspect								-	-	-	-
4.2.1.16.3. Install	*							-	-	-	-
4.2.1.17. Compressor Bleed System											
4.2.1.17.1. TF33 Theory								-	-	-	-
4.2.1.18. Compressor Bleed Valve											
4.2.1.18.1. Remove								-	-	-	-
4.2.1.18.2. Inspect								-	-	-	-
4.2.1.18.3. Install								-	-	-	-
4.2.1.19. Compressor Bleed Valve Actuator											
4.2.1.19.1. Remove								-	-	-	-
4.2.1.19.2. Inspect								-	-	-	-
4.2.1.19.3. Install								-	-	-	-
4.2.1.20. Compressor Bleed Reset Valve											
4.2.1.20.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.1.20.2. Inspect								-	-	-	-
4.2.1.20.3. Install								-	-	-	-
4.2.1.21. Compressor Bleed Valve Accumulator											
4.2.1.21.1. Remove								-	-	-	-
4.2.1.21.2. Inspect								-	-	-	-
4.2.1.21.3. Install								-	-	-	-
4.2.1.22. Stall Prevention Override Valve (TF33 Only)											
4.2.1.22.1. Remove								-	-	-	-
4.2.1.22.2. Inspect								-	-	-	-
4.2.1.22.3. Install								-	-	-	-
4.2.1.23. Oil System											
4.2.1.23.1. TF33 Oil System Theory								-	-	-	-
4.2.1.24. Oil Pump (Core Task TF34 Only)											
4.2.1.24.1. Remove	*							-/2b	-	-	-
4.2.1.24.2. Inspect								-/2b	-	-	-
4.2.1.24.3. Install	*							-/2b	-	-	-
4.2.1.25. Oil Tank											
4.2.1.25.1. Remove								-	-	-	-
4.2.1.25.2. Inspect								-	-	-	-
4.2.1.25.3. Install								-	-	-	-
4.2.1.25.4. Service	*							a	-	-	-
4.2.1.26. Oil Pressure Relief Valve (Core Task TF33 Only)											
4.2.1.26.1. Remove	*							-	-	-	-
4.2.1.26.2. Inspect								-	-	-	-
4.2.1.26.3. Install	*							-	-	-	-
4.2.1.26.4. Adjust	*							-	-	-	-
4.2.1.27. Oil Breather Pressurizing Valve											
4.2.1.27.1. Remove								-	-	-	-
4.2.1.27.2. Inspect								-	-	-	-
4.2.1.27.3. Install								-	-	-	-
4.2.1.28. Oil Filter/Screens											
4.2.1.28.1. Remove	*							-	-	-	-
4.2.1.28.2. Inspect		*						-	-	-	-
4.2.1.28.3. Install	*							-	-	-	-
4.2.1.29. Chip Detectors (TF34 Only)											
4.2.1.29.1. Remove	*							-	-	-	-
4.2.1.29.2. Inspect		*						-	-	-	-
4.2.1.29.3. Install	*							-	-	-	-
4.2.1.30. A Sump Scavenge Pump											
4.2.1.30.1. Remove								-	-	-	-
4.2.1.30.2. Inspect								-	-	-	-
4.2.1.30.3. Install								-	-	-	-
4.2.1.31. Sump Accumulator											
4.2.1.31.1. Remove								-	-	-	-
4.2.1.31.2. Inspect								-	-	-	-
4.2.1.31.3. Install								-	-	-	-
4.2.1.32. Vibration Accelerometers											
4.2.1.32.1. Remove								-	-	-	-
4.2.1.32.2. Inspect								-	-	-	-
4.2.1.32.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.1.33. Radial Drive Shaft											
4.2.1.33.1. Remove								-	-	-	-
4.2.1.33.2. Inspect								-	-	-	-
4.2.1.33.3. Install								-	-	-	-
4.2.1.34. Gearbox											
4.2.1.34.1. Remove								-	-	-	-
4.2.1.34.2. Inspect								-	-	-	-
4.2.1.34.3. Install								-	-	-	-
4.2.1.35. Power Take Off (PTO) Assembly											
4.2.1.35.1. Remove								-	-	-	-
4.2.1.35.2. Inspect								-	-	-	-
4.2.1.35.3. Install								-	-	-	-
4.2.1.36. FWD/AFT Spinner											
4.2.1.36.1. Remove	*							-/2b	-	-	-
4.2.1.36.2. Inspect		*						-/2b	-	-	-
4.2.1.36.3. Install	*							-/2b	-	-	-
4.2.1.37. Fan Disk (TF34 Only)											
4.2.1.37.1. Remove								-/2b	-	-	-
4.2.1.37.2. Inspect		*						-/2b	-	-	-
4.2.1.37.3. Install								-/2b	-	-	-
4.2.1.38. Fan Blades											
4.2.1.38.1. Remove (Core Task TF34 Only)	*							-/2b	-	-	-
4.2.1.38.2. Inspect		*						-/2b	-	-	-
4.2.1.38.3. Install (Core Task TF34 Only)	*							-/2b	-	-	-
4.2.1.38.4. Repair (Blend)								a	-	-	-
4.2.1.38.5. Fan Trim Balance								-	-	-	-
4.2.1.39. Fan Case											
4.2.1.39.1. Remove								-	-	-	-
4.2.1.39.2. Inspect								-	-	-	-
4.2.1.39.3. Install								-	-	-	-
4.2.1.40. Fan Stator Case											
4.2.1.40.1. Remove								-	-	-	-
4.2.1.40.2. Inspect								-	-	-	-
4.2.1.40.3. Install								-	-	-	-
4.2.1.41. Inlet Guide Vane (IGV) Case											
4.2.1.41.1. Remove								-	-	-	-
4.2.1.41.2. Inspect								-	-	-	-
4.2.1.41.3. Install								-	-	-	-
4.2.1.42. Bearings											
4.2.1.42.1. Remove								-	-	-	-
4.2.1.42.2. Inspect								-	-	-	-
4.2.1.42.3. Install								-	-	-	-
4.2.1.43. Carbon Seals											
4.2.1.43.1. Remove								-	-	-	-
4.2.1.43.2. Inspect								-	-	-	-
4.2.1.43.3. Install								-	-	-	-
4.2.1.44. Front Frame											
4.2.1.44.1. Remove								-	-	-	-
4.2.1.44.2. Inspect								-	-	-	-
4.2.1.44.3. Install								-	-	-	-
4.2.1.45. Fan Speed Pick-Up/N1 Tach											
4.2.1.45.1. Remove								-	-	-	-
4.2.1.45.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.1.45.3. Install								-	-	-	-
4.2.1.46. A-Sump Housing/Area Components											
4.2.1.46.1. Remove								-	-	-	-
4.2.1.46.2. Inspect								-	-	-	-
4.2.1.46.3. Install								-	-	-	-
4.2.1.47. Fan Front Shaft											
4.2.1.47.1. Remove								-	-	-	-
4.2.1.47.2. Disassemble								-	-	-	-
4.2.1.47.3. Inspect								-	-	-	-
4.2.1.47.4. Assemble								-	-	-	-
4.2.1.47.5. Install								-	-	-	-
4.2.2. Compressor (Core)											
4.2.2.1. Assembly											
4.2.2.1.1. Remove								-	-	-	-
4.2.2.1.2. Inspect								-	-	-	-
4.2.2.1.3. Clearance Check								-	-	-	-
4.2.2.1.4. Install								-	-	-	-
4.2.2.2. #3 Bearing Housing											
4.2.2.2.1. Remove								-	-	-	-
4.2.2.2.2. Disassemble								-	-	-	-
4.2.2.2.3. Inspect								-	-	-	-
4.2.2.2.4. Assemble								-	-	-	-
4.2.2.2.5. Install								-	-	-	-
4.2.2.3. Blade Compressor (Core)											
4.2.2.3.1. Remove								-	-	-	-
4.2.2.3.2. Inspect								-	-	-	-
4.2.2.3.3. Install								-	-	-	-
4.2.2.3.4. Repair (Blend)								-	-	-	-
4.2.2.4. FWD Stator Case											
4.2.2.4.1. Remove								-	-	-	-
4.2.2.4.2. Inspect								-	-	-	-
4.2.2.4.3. Install								-	-	-	-
4.2.2.4.4. Repair								-	-	-	-
4.2.2.5. Rear Stator Case											
4.2.2.5.1. Remove								-	-	-	-
4.2.2.5.2. Inspect								-	-	-	-
4.2.2.5.3. Install								-	-	-	-
4.2.2.5.4. Repair								-	-	-	-
4.2.2.6. Variable Guide Vanes											
4.2.2.6.1. Remove								-	-	-	-
4.2.2.6.2. Inspect								-	-	-	-
4.2.2.6.3. Install								-	-	-	-
4.2.2.6.4. Rig								-	-	-	-
4.2.2.7. Actuator VG											
4.2.2.7.1. Remove								-	-	-	-
4.2.2.7.2. Inspect								-	-	-	-
4.2.2.7.3. Repair								-	-	-	-
4.2.2.7.4. Install								-	-	-	-
4.2.2.7.5. Rig		*						-	-	-	-
4.2.2.8. Feedback Cable											
4.2.2.8.1. Remove								-	-	-	-
4.2.2.8.2. Inspect								-	-	-	-
4.2.2.8.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.2.8.4. Rig		*						-	-	-	-
4.2.2.9. Compressor Inlet Temperature (CIT) Sensor											
4.2.2.9.1. Remove								-	-	-	-
4.2.2.9.2. Inspect								-	-	-	-
4.2.2.9.3. Install								-	-	-	-
4.2.3. Combustion Section											
4.2.3.1. Assembly											
4.2.3.1.1. Remove								-	-	-	-
4.2.3.1.2. Disassemble								-	-	-	-
4.2.3.1.3. Inspect								-	-	-	-
4.2.3.1.4. Assemble								-	-	-	-
4.2.3.1.5. Install								-	-	-	-
4.2.3.2. Combustion Case/Frame											
4.2.3.2.1. Remove								-	-	-	-
4.2.3.2.2. Inspect								-	-	-	-
4.2.3.2.3. Install								-	-	-	-
4.2.3.3. Combustion Liner											
4.2.3.3.1. Remove								-	-	-	-
4.2.3.3.2. Inspect								-	-	-	-
4.2.3.3.3. Install								-	-	-	-
4.2.3.4. B-Sump Assembly											
4.2.3.4.1. Remove								-	-	-	-
4.2.3.4.2. Inspect								-	-	-	-
4.2.3.4.3. Install								-	-	-	-
4.2.3.5. Mount Ring											
4.2.3.5.1. Remove								-	-	-	-
4.2.3.5.2. Inspect								-	-	-	-
4.2.3.5.3. Install								-	-	-	-
4.2.4. High Pressure Turbine											
4.2.4.1. Rotor Assembly											
4.2.4.1.1. Remove								-	-	-	-
4.2.4.1.2. Inspect								-	-	-	-
4.2.4.1.3. Install								-	-	-	-
4.2.4.2. Nozzles											
4.2.4.2.1. Remove								-	-	-	-
4.2.4.2.2. Inspect								-	-	-	-
4.2.4.2.3. Install								-	-	-	-
4.2.4.3. Shroud Assembly/ Stage 2 Nozzles											
4.2.4.3.1. Remove								-	-	-	-
4.2.4.3.2. Inspect								-	-	-	-
4.2.4.3.3. Install								-	-	-	-
4.2.4.3.4. Measure/Grind								-	-	-	-
4.2.4.4. Stage 1 Blades											
4.2.4.4.1. Remove								-	-	-	-
4.2.4.4.2. Inspect								-	-	-	-
4.2.4.4.3. Install								-	-	-	-
4.2.4.5. Fan Driveshaft											
4.2.4.5.1. Remove								-	-	-	-
4.2.4.5.2. Inspect								-	-	-	-
4.2.4.5.3. Install								-	-	-	-
4.2.5. Low Pressure Turbine											
4.2.5.1. Rotor											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)					
	A		B		A	B	C	D	E	A		B	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC		
4.2.5.1.1. Remove								-	-	-	-		
4.2.5.1.2. Inspect								-	-	-	-		
4.2.5.1.3. Install								-	-	-	-		
4.2.5.2. Turbine Exhaust Frame													
4.2.5.2.1. Remove								-	-	-	-		
4.2.5.2.2. Inspect								-	-	-	-		
4.2.5.2.3. Install								-	-	-	-		
4.2.5.3. Turbine Cases													
4.2.5.3.1. Remove								-	-	-	-		
4.2.5.3.2. Inspect								-	-	-	-		
4.2.5.3.3. Install								-	-	-	-		
4.2.5.4. Transition Case													
4.2.5.4.1. Remove								-	-	-	-		
4.2.5.4.2. Inspect								-	-	-	-		
4.2.5.4.3. Install								-	-	-	-		
4.2.5.5. Outer Transition Liner													
4.2.5.5.1. Remove								-	-	-	-		
4.2.5.5.2. Inspect								-	-	-	-		
4.2.5.5.3. Install								-	-	-	-		
4.2.5.6. Stage 3 Nozzle Segments													
4.2.5.6.1. Remove								-	-	-	-		
4.2.5.6.2. Inspect								-	-	-	-		
4.2.5.6.3. Install								-	-	-	-		
4.2.5.7. C-Sump Assembly													
4.2.5.7.1. Remove								-	-	-	-		
4.2.5.7.2. Inspect								-	-	-	-		
4.2.5.7.3. Install								-	-	-	-		
4.2.5.8. C-Sump Cover (TF34 Only)													
4.2.5.8.1. Remove	*							-	-	-	-		
4.2.5.8.2. Inspect		*						-	-	-	-		
4.2.5.8.3. Install	*							-	-	-	-		
4.2.5.9. TEMS Sensors													
4.2.5.9.1. Remove								-	-	-	-		
4.2.5.9.2. Inspect								-	-	-	-		
4.2.5.9.3. Install								-	-	-	-		
4.2.6. Quick Engine Change (QEC) Accessories													
4.2.6.1. TF33 QEC Kit Theory													
4.2.6.1.1. Inspect													
4.2.6.1.2. Repair													
4.2.6.2. Tachometer Generator													
4.2.6.2.1. Remove													
4.2.6.2.2. Inspect													
4.2.6.2.3. Install													
4.2.6.3. Fuel Flow Transmitter													
4.2.6.3.1. Remove													
4.2.6.3.2. Inspect													
4.2.6.3.3. Install													
4.2.6.4. Low Oil Pressure Switch													
4.2.6.4.1. Remove													
4.2.6.4.2. Inspect													
4.2.6.4.3. Install													

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.6.5. Oil Pressure Transmitter											
4.2.6.5.1. Remove	*							-	-	-	-
4.2.6.5.2. Inspect								-	-	-	-
4.2.6.5.3. Install	*							-	-	-	-
4.2.6.6. Oil Differential Pressure Switch											
4.2.6.6.1. Remove								-	-	-	-
4.2.6.6.2. Inspect								-	-	-	-
4.2.6.6.3. Install								-	-	-	-
4.2.6.7. Oil Temperature Sensor											
4.2.6.7.1. Remove								-	-	-	-
4.2.6.7.2. Inspect								-	-	-	-
4.2.6.7.3. Install								-	-	-	-
4.2.6.8. Engine Air Oil Cooler											
4.2.6.8.1. Remove								-	-	-	-
4.2.6.8.2. Inspect								-	-	-	-
4.2.6.8.3. Install								-	-	-	-
4.2.6.9. Low Oil Quantity Switch											
4.2.6.9.1. Remove								-	-	-	-
4.2.6.9.2. Inspect								-	-	-	-
4.2.6.9.3. Install								-	-	-	-
4.2.6.10. Constant Speed Drive (CSD) (TF33 Only)											
4.2.6.10.1. TF33-103 Theory								-	-	-	-
4.2.6.10.2. Remove	*							-	-	-	-
4.2.6.10.3. Inspect		*						-	-	-	-
4.2.6.10.4. Install	*							-	-	-	-
4.2.6.10.5. Service Gearbox Pad	*							-	-	-	-
4.2.6.11. Generator (TF33 Only)											
4.2.6.11.1. TF33-103 Theory								-	-	-	-
4.2.6.11.2. Remove	*							-	-	-	-
4.2.6.11.3. Inspect		*						-	-	-	-
4.2.6.11.4. Install	*							-	-	-	-
4.2.6.12. Integrated Drive Generator (IDG) (Core Task TF34 Only)											
4.2.6.12.1. Remove	*							-/2b	-	-	-
4.2.6.12.2. Inspect								-	-	-	-
4.2.6.12.3. Install	*							-/2b	-	-	-
4.2.6.12.4. Mate								-	-	-	-
4.2.6.12.5. De-mate								-	-	-	-
4.2.6.12.6. Service								a	-	-	-
4.2.6.12.7. TF34 Theory								-	-	-	-
4.2.6.13. CSD/IDG Filters											
4.2.6.13.1. Remove	*							-	-	-	-
4.2.6.13.2. Inspect								-	-	-	-
4.2.6.13.3. Install	*							-	-	-	-
4.2.6.14. CSD Oil Tank (TF33 Only)											
4.2.6.14.1. Remove								-	-	-	-
4.2.6.14.2. Inspect								-	-	-	-
4.2.6.14.3. Install								-	-	-	-
4.2.6.14.4. Service	*							-	-	-	-
4.2.6.15. CSD/IDG Oil Cooler											
4.2.6.15.1. Remove								-	-	-	-
4.2.6.15.2. Inspect								-	-	-	-
4.2.6.15.3. Install								-	-	-	-
4.2.6.16. Engine Starter											
4.2.6.16.1. Remove	*							-/2b	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.6.16.2. Inspect								-/2b	-	-	-
4.2.6.16.3. Install	*							-/2b	-	-	-
4.2.6.16.4. Service	*							a	-	-	-
4.2.6.17. Starter Control Valve											
4.2.6.17.1. Remove	*							-/2b	-	-	-
4.2.6.17.2. Inspect								-/2b	-	-	-
4.2.6.17.3. Install	*							-/2b	-	-	-
4.2.6.18. Bleed Air Shutoff Valve											
4.2.6.18.1. Remove								-	-	-	-
4.2.6.18.2. Inspect								-	-	-	-
4.2.6.18.3. Install								-	-	-	-
4.2.6.19. Hydraulic Pump											
4.2.6.19.1. Remove								-	-	-	-
4.2.6.19.2. Inspect								-	-	-	-
4.2.6.19.3. Install								-	-	-	-
4.2.6.20. Hydraulic Oil Cooler											
4.2.6.20.1. Remove								-	-	-	-
4.2.6.20.2. Inspect								-	-	-	-
4.2.6.20.3. Install								-	-	-	-
4.2.6.21. Engine Harness											
4.2.6.21.1. Remove								-	-	-	-
4.2.6.21.2. Inspect								-	-	-	-
4.2.6.21.3. Install								-	-	-	-
4.2.6.22. Fire Loop											
4.2.6.22.1. Remove								-	-	-	-
4.2.6.22.2. Inspect								-	-	-	-
4.2.6.22.3. Install								-	-	-	-
4.2.6.23. Tail Pipe/Tail Cone											
4.2.6.23.1. Remove								-	-	-	-
4.2.6.23.2. Inspect								-	-	-	-
4.2.6.23.3. Install								-	-	-	-
4.2.6.24. Engine Throttle Linkage											
4.2.6.24.1. Remove								-	-	-	-
4.2.6.24.2. Inspect		*						-	-	-	-
4.2.6.24.3. Install								-	-	-	-
4.2.6.24.4. Rig		*						-	-	-	-
4.2.6.25. Fan Exit Fairing											
4.2.6.25.1. Remove								-	-	-	-
4.2.6.25.2. Inspect								-	-	-	-
4.2.6.25.3. Install								-	-	-	-
4.2.6.26. Engine Pylon											
4.2.6.26.1. Remove								-	-	-	-
4.2.6.26.2. Inspect								-	-	-	-
4.2.6.26.3. Install								-	-	-	-
4.2.6.27. Ring Cowl											
4.2.6.27.1. Remove								-	-	-	-
4.2.6.27.2. Inspect								-	-	-	-
4.2.6.27.3. Install								-	-	-	-
4.2.6.28. Nacelle Anti-Ice Valve											
4.2.6.28.1. Remove								-	-	-	-
4.2.6.28.2. Inspect								-	-	-	-
4.2.6.28.3. Install								-	-	-	-
4.2.6.29. Engine Mounts											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.6.29.1. Remove								-	-	-	-
4.2.6.29.2. Disassemble								-	-	-	-
4.2.6.29.3. Inspect		*						-	-	-	-
4.2.6.29.4. Assemble								-	-	-	-
4.2.6.29.5. Install								-	-	-	-
4.2.6.30. Nose Dome											
4.2.6.30.1. Remove								-	-	-	-
4.2.6.30.2. Inspect								-	-	-	-
4.2.6.30.3. Install								-	-	-	-
4.2.6.31. Thrust Reverser											
4.2.6.31.1. Theory								-	-	-	-
4.2.6.31.2. Remove								-	-	-	-
4.2.6.31.3. Inspect								-	-	-	-
4.2.6.31.4. Install								-	-	-	-
4.2.6.31.5. Rig								-	-	-	-
4.2.6.32. Thrust Reverser Actuator											
4.2.6.32.1. Remove								-	-	-	-
4.2.6.32.2. Inspect								-	-	-	-
4.2.6.32.3. Install								-	-	-	-
4.2.6.33. Blocker Door											
4.2.6.33.1. Remove								-	-	-	-
4.2.6.33.2. Inspect								-	-	-	-
4.2.6.33.3. Install								-	-	-	-
4.2.6.34. Translating Cowl											
4.2.6.34.1. Remove								-	-	-	-
4.2.6.34.2. Inspect								-	-	-	-
4.2.6.34.3. Install								-	-	-	-
4.2.6.35. Actuator Sync Cables											
4.2.6.35.1. Remove								-	-	-	-
4.2.6.35.2. Inspect								-	-	-	-
4.2.6.35.3. Install								-	-	-	-
4.2.6.35.4. Rig								-	-	-	-
4.2.6.36. Thrust Reverser Control Valve											
4.2.6.36.1. Remove								-	-	-	-
4.2.6.36.2. Inspect								-	-	-	-
4.2.6.36.3. Install								-	-	-	-
4.2.6.37. Proximity Switch											
4.2.6.37.1. Remove								-	-	-	-
4.2.6.37.2. Inspect								-	-	-	-
4.2.6.37.3. Install								-	-	-	-
4.2.6.38. Thrust Reverser Pump											
4.2.6.38.1. Remove								-	-	-	-
4.2.6.38.2. Inspect								-	-	-	-
4.2.6.38.3. Install								-	-	-	-
4.2.6.39. Engine Cowl Anti-Ice Duct											
4.2.6.39.1. Remove								-	-	-	-
4.2.6.39.2. Inspect								-	-	-	-
4.2.6.39.3. Install								-	-	-	-
4.2.7. Cowl Latches											
4.2.7.1. Upper (Fwd/Aft)											
4.2.7.1.1. Remove								-	-	-	-
4.2.7.1.2. Inspect								-	-	-	-
4.2.7.1.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.2.7.1.4. Repair								-	-	-	-
4.2.7.2. Lower (Fwd/Aft)											
4.2.7.2.1. Remove								-	-	-	-
4.2.7.2.2. Inspect								-	-	-	-
4.2.7.2.3. Install								-	-	-	-
4.2.7.2.4. Repair								-	-	-	-
4.3. ENGINE INSPECTION and PREVENTIVE MAINTENANCE TR: TOs 00-5-14, 00-20 Series, 2J-1-13 and Applicable Aircraft/Engine/Hush House/Noise Sound Suppressor/Test Stand TOs											
4.3.1. Perform Inspections											
4.3.1.1. Inlet and Exhaust								-	-	-	-
4.3.1.2. Special Inspections (Over Speed, Over Temperature)								-	-	-	-
4.3.1.3. Hush House (TF34)								-	-	-	-
4.3.2. Preventative Maintenance											
4.3.2.1. Clean Gas Turbine Aircraft Engines and Associated Parts								-	-	-	-
4.3.2.2. Perform Water Wash For Performance Recovery								-	-	-	-
4.3.2.3. Operate, Input/Retrieve/ Interpret Data from Turbine Engine Monitoring System (TEMS)								-	-	-	-
4.3.2.4. Uninstalled Engine Testing								-	-	-	-
4.3.2.5. Perform Compressor Wash								-	-	-	-
4.4. ENGINE REMOVAL and INSTALLATION in AIRFRAME											
4.4.1. Remove Engine								-	-	-	-
4.4.2. Install Engine								-	-	-	-
4.5. ENGINE RIGGING TR: Applicable Aircraft/Engine TOs											
4.5.1. Rig								-	-	-	-
4.5.2. Inspect								-	-	-	-
4.6. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
4.6.1. Installed Engine Run Certifying Official								-	-	-	-
4.6.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
4.6.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
4.6.4. Flexible Borescope Certifying Official								-	-	-	-
4.6.5. Engine Blade Blend Certifying Official								-	-	-	-
4.6.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
4.6.7. IPI by PAFSC and MDS								-	-	-	-
4.6.8. Red-X and/or IPI - Limited								-	-	-	-
4.6.9. Installed Engine Run by MDS								-	-	-	-
4.6.10. Engine Blade Blending								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
4.6.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
4.6.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
4.6.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
4.6.14. Engine Flexible Borescope Inspections								-	-	-	-
4.6.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
4.6.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
4.6.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 5

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on F138 (C-5M) engines.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are optional for ANG and AFRC when training capability is not available, but must be accomplished when capability becomes available.

5.1. ENGINE INSPECTION and PREVENTIVE MAINTENANCE TR: TOs 00-5-14, 00-20 Series, and Applicable Aircraft/Engine TOs											
5.1.1. Perform Inspections TR: TO 1C-5M-2-4, 1C-5M-6											
5.1.1.1. Inlet and Exhaust	*							-	-	-	-
5.1.1.2. Fan Exit Fairing								-	-	-	-
5.1.2. Clean Gas Turbine Aircraft Engines and Associated Parts TR: TO 2J-1-13								-	-	-	-
5.1.3. Operate, Input/Retrieve/ Interpret Data from Turbine/ Engine Monitoring System/ EDS (Engine Diagnostic System) (Operate Caution, Warning and Malfunction Display, etc.) TR: TO 1C-5M-2-6								-	-	-	-
5.1.4. Service/Inspect Engine Oil System	*							-	-	-	-
5.1.5. Service/Inspect Engine Start System	*							-	-	-	-
5.1.6. Service/Inspect Engine IDG System	*							-	-	-	-
5.1.7. Perform Compressor Wash								-	-	-	-
5.2. ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54, TOs 00-20-1, 00-35D-54, 1-1A-8, 2J-1-13, 2-1-111, and Applicable Aircraft/Engine TOs 00-20-1, 00-35D-54, 1-1A-8, 2J-1-13, 2-1-111, and Applicable Aircraft/ Engine TOs											
5.2.1. Cowlings											
5.2.1.1. Fan Cowling TR: TO 1C-5M-2-4JG-1-1											
5.2.1.1.1. Remove								-	-	-	-
5.2.1.1.2. Inspect								-	-	-	-
5.2.1.1.3. Install								-	-	-	-
5.2.1.1.4. Open/Close								-	-	-	-
5.2.1.1.5. Remove/Install Locks								-	-	-	-
5.2.1.1.6. Rig/Adjust Locks								-	-	-	-
5.2.1.2. Thrust Reverser Cowling TR: TO 1C-5M-2-4JG-1-1											
5.2.1.2.1. Remove								-	-	-	-
5.2.1.2.2. Inspect								-	-	-	-
5.2.1.2.3. Install								-	-	-	-
5.2.1.2.4. Open/Close								-	-	-	-
5.2.1.2.5. Remove/Install Locks								-	-	-	-
5.2.1.2.6. Rig/Adjust Locks								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.1.3. Core Cowling TR: TO 1C-5M-2-4JG-1-1											
5.2.1.3.1. Remove								-	-	-	-
5.2.1.3.2. Inspect								-	-	-	-
5.2.1.3.3. Install								-	-	-	-
5.2.1.3.4. Open/Close								-	-	-	-
5.2.1.3.5. Remove/Install Locks								-	-	-	-
5.2.1.3.6. Rig/Adjust Locks								-	-	-	-
5.2.2. Engine Driven Hydraulic System TR: 1C-5M-2-3								-	-	-	-
5.2.2.1. Engine Driven Hydraulic Pump											
5.2.2.1.1. Remove								-	-	-	-
5.2.2.1.2. Inspect								-	-	-	-
5.2.2.1.3. Install								-	-	-	-
5.2.2.2. Engine Driven Hydraulic Pump Filter Assembly											
5.2.2.2.1. Remove								-	-	-	-
5.2.2.2.2. Inspect								-	-	-	-
5.2.2.2.3. Install								-	-	-	-
5.2.2.3. Engine Driven Valve (EDV) Solenoid											
5.2.2.3.1. Remove								-	-	-	-
5.2.2.3.2. Inspect								-	-	-	-
5.2.2.3.3. Install								-	-	-	-
5.2.3. Anti-Ice System TR: 1C-5M-2-4 Series											
5.2.3.1. Anti-Ice Valve TR: TO 1C-5M-2-4JG-5											
5.2.3.1.1. Remove	*							-	-	-	-
5.2.3.1.2. Inspect		*						-	-	-	-
5.2.3.1.3. Install	*							-	-	-	-
5.2.4. AC Power Generation System								-	-	-	-
5.2.4.1. Integrated Drive Generator (IDG) TR: TO 1C-5M-2-7-1											
5.2.4.1.1. Remove	*							-	-	-	-
5.2.4.1.2. Inspect		*						-	-	-	-
5.2.4.1.3. Install	*							-	-	-	-
5.2.4.1.4. Operational Check								-	-	-	-
5.2.4.1.5. Troubleshoot								-	-	-	-
5.2.4.2. Integrated Drive Generator Sensors and Switches TR: TO 1C-5M-2-7-1											
5.2.4.2.1. Remove								-	-	-	-
5.2.4.2.2. Inspect								-	-	-	-
5.2.4.2.3. Install								-	-	-	-
5.2.4.3. Integrated Drive Generator Filter TR: TO 1C-5M-2-7-1											
5.2.4.3.1. Remove								-	-	-	-
5.2.4.3.2. Inspect								-	-	-	-
5.2.4.3.3. Install								-	-	-	-
5.2.4.4. Integrated Drive Generator Fuel/Oil Cooler TR: TO 1C-5M-2-7-1											
5.2.4.4.1. Remove								-	-	-	-
5.2.4.4.2. Inspect								-	-	-	-
5.2.4.4.3. Install								-	-	-	-
5.2.4.5. Integrated Drive Generator Air/Oil Cooler TR: TO 1C-5M-2-7-1											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.4.5.1. Remove								-	-	-	-
5.2.4.5.2. Inspect								-	-	-	-
5.2.4.5.3. Install								-	-	-	-
5.2.5. Fan Blade TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.5.1. Remove								-	-	-	-
5.2.5.2. Inspect	*							-	-	-	-
5.2.5.3. Install								-	-	-	-
5.2.5.4. Clean								-	-	-	-
5.2.5.5. Perform Fan Blade Blend Procedures								-	-	-	-
5.2.6. Engine Pneumatic Systems											
5.2.6.1. Variable Stator Vane (VSV) Actuator TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.6.1.1. Remove								-	-	-	-
5.2.6.1.2. Inspect	*							-	-	-	-
5.2.6.1.3. Install								-	-	-	-
5.2.6.1.4. Open/Close	*							-	-	-	-
5.2.6.2. Variable Bleed Valve (VBV) Actuator TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.6.2.1. Remove								-	-	-	-
5.2.6.2.2. Inspect	*							-	-	-	-
5.2.6.2.3. Install								-	-	-	-
5.2.6.2.4. Open/Close	*							-	-	-	-
5.2.6.3. Actuation Spacer Ring TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.6.3.1. Inspect								-	-	-	-
5.2.6.3.2. Rig/Adjust								-	-	-	-
5.2.6.4. Core Compartment Cooling Valve TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.6.4.1. Remove								-	-	-	-
5.2.6.4.2. Inspect								-	-	-	-
5.2.6.4.3. Install								-	-	-	-
5.2.6.4.4. Deactivation/Activation								-	-	-	-
5.2.6.5. High Pressure Turbine Active Clearance Control Valve TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.6.5.1. Remove								-	-	-	-
5.2.6.5.2. Inspect								-	-	-	-
5.2.6.5.3. Install								-	-	-	-
5.2.6.5.4. Deactivation/Activation								-	-	-	-
5.2.7. Horizontal Drive Shaft Housing TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.7.1. Inspect								-	-	-	-
5.2.7.2. Reseal								-	-	-	-
5.2.8. Accessory Gearbox Assembly TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.8.1. Perform Pressurization Test								-	-	-	-
5.2.9. Engine Inlet Cowl TR: TO 1C-5M-2-4, 1C-5M-2-4JG-1-2											
5.2.9.1. Remove								-	-	-	-
5.2.9.2. Inspect								-	-	-	-
5.2.9.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.10. Engine Drain Manifold TR: TO 1C-5M-2-4, 1C-5M-2-4JG-1-2											
5.2.10.1. Remove								-	-	-	-
5.2.10.2. Inspect								-	-	-	-
5.2.10.3. Install								-	-	-	-
5.2.11. Fan Spinner TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.11.1. Remove	*							-	-	-	-
5.2.11.2. Inspect								-	-	-	-
5.2.11.3. Install	*							-	-	-	-
5.2.12. Primary Exhaust Nozzle TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1											
5.2.12.1. Remove								-	-	-	-
5.2.12.2. Inspect								-	-	-	-
5.2.12.3. Install								-	-	-	-
5.2.13. Fwd Exhaust Center Body TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1											
5.2.13.1. Remove								-	-	-	-
5.2.13.2. Inspect								-	-	-	-
5.2.13.3. Install								-	-	-	-
5.2.14. Aft Exhaust Center Body TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1											
5.2.14.1. Remove								-	-	-	-
5.2.14.2. Inspect								-	-	-	-
5.2.14.3. Install								-	-	-	-
5.2.15. Horizontal Drive Shaft TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.15.1. Remove								-	-	-	-
5.2.15.2. Inspect								-	-	-	-
5.2.15.3. Install								-	-	-	-
5.2.16. Fan Case Fwd and Aft Inner and Outer Liners TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.16.1. Remove								-	-	-	-
5.2.16.2. Inspect								-	-	-	-
5.2.16.3. Install								-	-	-	-
5.2.17. Fan Frame Fairing TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.17.1. Remove								-	-	-	-
5.2.17.2. Inspect								-	-	-	-
5.2.17.3. Install								-	-	-	-
5.2.18. Engine Handling System (Boot Strap)											
5.2.18.1. Manual System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-1-3, 1C-5M-2-4JG-1-4											
5.2.18.1.1. Remove								-	-	-	-
5.2.18.1.2. Inspect								-	-	-	-
5.2.18.1.3. Install								-	-	-	-
5.2.18.2. Pneumatic System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-5								-	-	-	-
5.2.18.2.1. Remove								-	-	-	-
5.2.18.2.2. Inspect								-	-	-	-
5.2.18.2.3. Install								-	-	-	-
5.2.19. Engine Mounts											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.19.1. Fwd Engine Mount TR: TO 1C-5M-2-4, 1C-5M-2-4JG-1-3, 1C-5M-2-4JG-1-4											
5.2.19.1.1. Remove								-	-	-	-
5.2.19.1.2. Inspect								-	-	-	-
5.2.19.1.3. Install								-	-	-	-
5.2.19.2. Aft Engine Mount TR: TO 1C-5M-2-4, 1C-5M-2-4JG-1-3, 1C-5M-2-4JG-1-4											
5.2.19.2.1. Remove								-	-	-	-
5.2.19.2.2. Inspect								-	-	-	-
5.2.19.2.3. Install								-	-	-	-
5.2.20. Accessory Drive Carbon Seal TR: TO 1C-5M-2-4, 1C-5M-2-4JG-2											
5.2.20.1. Remove								-	-	-	-
5.2.20.2. Inspect								-	-	-	-
5.2.20.3. Install								-	-	-	-
5.2.21. T1.2 Fan Inlet Temperature Sensor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-7											
5.2.21.1. Remove								-	-	-	-
5.2.21.2. Inspect								-	-	-	-
5.2.21.3. Install								-	-	-	-
5.2.22. Compressor Inlet Temperature Sensor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-7											
5.2.22.1. Remove								-	-	-	-
5.2.22.2. Inspect								-	-	-	-
5.2.22.3. Install								-	-	-	-
5.2.23. T3 Compressor Discharge Temperature Sensor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-7											
5.2.23.1. Remove								-	-	-	-
5.2.23.2. Inspect								-	-	-	-
5.2.23.3. Install								-	-	-	-
5.2.24. Variable Bleed Valve (Fan Bypass Valve) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.24.1. Remove								-	-	-	-
5.2.24.2. Inspect								-	-	-	-
5.2.24.3. Install								-	-	-	-
5.2.25. Engine Fuel System											
5.2.25.1. Hydro-Mechanical Unit (Fuel Control) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.1.1. Remove	*							-	-	-	-
5.2.25.1.2. Inspect		*						-	-	-	-
5.2.25.1.3. Install	*							-	-	-	-
5.2.25.2. Main Fuel Pump TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.2.1. Remove	*							-	-	-	-
5.2.25.2.2. Inspect		*						-	-	-	-
5.2.25.2.3. Install	*							-	-	-	-
5.2.25.3. Main Fuel Filter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.3.1. Remove								-	-	-	-
5.2.25.3.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.25.3.3. Install Main Fuel Pump Filter Assembly TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1								-	-	-	-
5.2.25.4. Remove								-	-	-	-
5.2.25.4.2. Inspect								-	-	-	-
5.2.25.4.3. Install								-	-	-	-
5.2.25.5. Fuel High Pressure Regulator Shut-Off Valve (SOV) TR: TO 1C-5M-2-4; 1C-5M-2-4JG-3-1											
5.2.25.5.1. Remove								-	-	-	-
5.2.25.5.2. Inspect								-	-	-	-
5.2.25.5.3. Install								-	-	-	-
5.2.25.6. Fuel Nozzle TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.6.1. Remove								-	-	-	-
5.2.25.6.2. Inspect								-	-	-	-
5.2.25.6.3. Install								-	-	-	-
5.2.25.7. Fuel/Oil Heat Exchanger TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.7.1. Remove								-	-	-	-
5.2.25.7.2. Inspect								-	-	-	-
5.2.25.7.3. Install								-	-	-	-
5.2.25.8. Servo Heat Exchanger TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.8.1. Remove								-	-	-	-
5.2.25.8.2. Inspect								-	-	-	-
5.2.25.8.3. Install								-	-	-	-
5.2.25.9. Engine Fuel Differential Pressure Switch TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.9.1. Remove								-	-	-	-
5.2.25.9.2. Inspect								-	-	-	-
5.2.25.9.3. Install								-	-	-	-
5.2.25.10. Fuel Filter Differential Pressure Switch TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-1											
5.2.25.10.1. Remove	*							-	-	-	-
5.2.25.10.2. Inspect		*						-	-	-	-
5.2.25.10.3. Install	*							-	-	-	-
5.2.26. Engine Start & Ignition System											
5.2.26.1. Engine Starter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-10											
5.2.26.1.1. Remove	*							-	-	-	-
5.2.26.1.2. Inspect								-	-	-	-
5.2.26.1.3. Install	*							-	-	-	-
5.2.26.2. Starter Air Valve TR: TO 1C-5M-2-4, 1C-5M-2-4JG-10											
5.2.26.2.1. Remove	*							-	-	-	-
5.2.26.2.2. Inspect								-	-	-	-
5.2.26.2.3. Install	*							-	-	-	-
5.2.26.3. Engine Ignition Exciter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-4											
5.2.26.3.1. Remove	*							-	-	-	-
5.2.26.3.2. Inspect								-	-	-	-
5.2.26.3.3. Install	*							-	-	-	-

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.26.4. Engine Ignition Lead and Insulator TR: TO 1C-5M-2-4, 1C-5M-2-4JG-4											
5.2.26.4.1. Remove								-	-	-	-
5.2.26.4.2. Inspect								-	-	-	-
5.2.26.4.3. Install								-	-	-	-
5.2.26.5. Engine Ignitor Plug TR: TO 1C-5M-2-4, 1C-5M-2-4JG-4											
5.2.26.5.1. Remove	*							-	-	-	-
5.2.26.5.2. Inspect								-	-	-	-
5.2.26.5.3. Install	*							-	-	-	-
5.2.27. Engine Oil System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.1. No. 1 Bearing Manifold TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.1.1. Remove								-	-	-	-
5.2.27.1.2. Inspect								-	-	-	-
5.2.27.1.3. Install								-	-	-	-
5.2.27.2. No. 6 Bearing Oil Slinger TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.2.1. Remove								-	-	-	-
5.2.27.2.2. Inspect								-	-	-	-
5.2.27.2.3. Install								-	-	-	-
5.2.27.3. No. 6 Bearing Oil Slinger Supply Tube TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.3.1. Remove								-	-	-	-
5.2.27.3.2. Inspect								-	-	-	-
5.2.27.3.3. Install								-	-	-	-
5.2.27.4. No. 6 Bearing Oil Slinger Scavenge Tube TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.4.1. Remove								-	-	-	-
5.2.27.4.2. Inspect								-	-	-	-
5.2.27.4.3. Install								-	-	-	-
5.2.27.5. Engine Oil Filter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.5.1. Remove								-	-	-	-
5.2.27.5.2. Inspect								-	-	-	-
5.2.27.5.3. Install								-	-	-	-
5.2.27.6. Engine Oil Tank TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.6.1. Remove								-	-	-	-
5.2.27.6.2. Inspect								-	-	-	-
5.2.27.6.3. Install								-	-	-	-
5.2.27.7. Oil Tank Pressurization Valve TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.7.1. Remove								-	-	-	-
5.2.27.7.2. Inspect								-	-	-	-
5.2.27.7.3. Install								-	-	-	-
5.2.27.8. Oil Filter Differential Pressure Switch TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.8.1. Remove								-	-	-	-
5.2.27.8.2. Inspect								-	-	-	-
5.2.27.8.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.27.9. Magnetic Chip Detector Assembly TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.9.1. Remove								-	-	-	-
5.2.27.9.2. Inspect								-	-	-	-
5.2.27.9.3. Install								-	-	-	-
5.2.27.10. Engine Lube and Scavenge Pump TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.10.1. Remove								-	-	-	-
5.2.27.10.2. Inspect								-	-	-	-
5.2.27.10.3. Install								-	-	-	-
5.2.27.11. Engine Lube and Scavenge Pump Screens/Filters TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.27.11.1. Remove	*							-	-	-	-
5.2.27.11.2. Inspect								-	-	-	-
5.2.27.11.3. Install	*							-	-	-	-
5.2.28. Permanent Magnet Alternator (PMA)											
5.2.28.1. Stator TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.28.1.1. Remove	*							-	-	-	-
5.2.28.1.2. Inspect								-	-	-	-
5.2.28.1.3. Install	*							-	-	-	-
5.2.28.2. Rotor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.28.2.1. Remove	*							-	-	-	-
5.2.28.2.2. Inspect								-	-	-	-
5.2.28.2.3. Install	*							-	-	-	-
5.2.29. Thrust Reverser (T/R) System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1											
5.2.29.1. Deactivate/Activate T/R System	*							-	-	-	-
5.2.29.2. Lock Out Thrust Reverser System	*							-	-	-	-
5.2.29.3. T/R Central Drive Unit (CDU) and Gearbox TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2											
5.2.29.3.1. Remove	*							-	-	-	-
5.2.29.3.2. Inspect		*						-	-	-	-
5.2.29.3.3. Install	*							-	-	-	-
5.2.29.3.4. Rig	*							-	-	-	-
5.2.29.4. T/R End Actuator and Gearbox TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2											
5.2.29.4.1. Remove								-	-	-	-
5.2.29.4.2. Inspect								-	-	-	-
5.2.29.4.3. Install								-	-	-	-
5.2.29.4.4. Rig								-	-	-	-
5.2.29.5. T/R Pressure Regulator Shut-Off Valve (SOV) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-5											
5.2.29.5.1. Remove	*							-	-	-	-
5.2.29.5.2. Inspect								-	-	-	-
5.2.29.5.3. Install	*							-	-	-	-
5.2.29.6. T/R "Y" Check Valve TR: TO 1C-5M-2-4, 1C-5M-2-4JG-5											
5.2.29.6.1. Remove								-	-	-	-
5.2.29.6.2. Inspect								-	-	-	-

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.29.6.3. Install T/R Cowl Door Hydraulic Actuator TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1								-	-	-	-
5.2.29.7.1. Remove								-	-	-	-
5.2.29.7.2. Inspect								-	-	-	-
5.2.29.7.3. Install T/R Gearbox Housing TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2								-	-	-	-
5.2.29.8.1. Remove								-	-	-	-
5.2.29.8.2. Inspect								-	-	-	-
5.2.29.8.3. Install T/R Position Sensor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2								-	-	-	-
5.2.29.9.1. Remove								-	-	-	-
5.2.29.9.2. Inspect								-	-	-	-
5.2.29.9.3. Install T/R Switches TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2								-	-	-	-
5.2.29.10.1. Remove	*							-	-	-	-
5.2.29.10.2. Inspect		*						-	-	-	-
5.2.29.10.3. Install	*							-	-	-	-
5.2.29.11.1. Remove T/R Directional Pilot Valve (DPV) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2								-	-	-	-
5.2.29.11.2. Inspect								-	-	-	-
5.2.29.11.3. Install	*							-	-	-	-
5.2.29.12.1. Remove T/R DPV Inlet Filter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2								-	-	-	-
5.2.29.12.2. Inspect								-	-	-	-
5.2.29.12.3. Install								-	-	-	-
5.2.29.13.1. Remove T/R DPV Pressure Switch TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-2								-	-	-	-
5.2.29.13.2. Inspect								-	-	-	-
5.2.29.13.3. Install								-	-	-	-
5.2.29.14.1. Remove T/R Flexible/Sync Shafts TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-3								-	-	-	-
5.2.29.14.2. Inspect		*						-	-	-	-
5.2.29.14.3. Install	*							-	-	-	-
5.2.29.15.1. Remove Thrust Reverser Actuation System (TRAS) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1, 1C-5M-2-4JG-8-3								-	-	-	-
5.2.29.15.2. Inspect								-	-	-	-
5.2.29.15.3. Install TRAS Lock Flex Shaft TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1, 1C-5M-2-4JG-8-3	*							-	-	-	-
5.2.29.16.1. Remove								-	-	-	-
5.2.29.16.2. Inspect								-	-	-	-
5.2.29.16.3. Install								-	-	-	-

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.29.17. Engine and T/R Electrical Harness TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-1, 1C-5M-2-4JG-8-2, 1C-5M-2-4JG-8-3											
5.2.29.17.1. Remove								-	-	-	-
5.2.29.17.2. Inspect								-	-	-	-
5.2.29.17.3. Install								-	-	-	-
5.2.29.18. T/R Blocker Door TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-3											
5.2.29.18.1. Remove	*							-	-	-	-
5.2.29.18.2. Inspect								-	-	-	-
5.2.29.18.3. Install	*							-	-	-	-
5.2.29.19. T/R Vane Deflectors (Cascades) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-8-3											
5.2.29.19.1. Remove	*							-	-	-	-
5.2.29.19.2. Inspect								-	-	-	-
5.2.29.19.3. Install	*							-	-	-	-
5.2.30. Engine Controlling System											
5.2.30.1. Electronic Engine Control (EEC) TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.30.1.1. Remove	*							-	-	-	-
5.2.30.1.2. Inspect								-	-	-	-
5.2.30.1.3. Install	*							-	-	-	-
5.2.30.1.4. Operational Fundamentals								-	-	-	-
5.2.30.1.5. Perform Operational Check								-	-	-	-
5.2.30.1.6. Troubleshoot System								-	-	-	-
5.2.30.2. Electronic Engine Control Harness Assemblies TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.30.2.1. Remove								-	-	-	-
5.2.30.2.2. Inspect								-	-	-	-
5.2.30.2.3. Install								-	-	-	-
5.2.31. Engine Indicating Systems											
5.2.31.1. Oil Pressure Indicating System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.31.1.1. Operational Fundamentals								-	-	-	-
5.2.31.1.2. Perform Operational Check								-	-	-	-
5.2.31.1.3. Troubleshoot System								-	-	-	-
5.2.31.2. Oil Pressure Transmitter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.31.2.1. Remove								-	-	-	-
5.2.31.2.2. Inspect								-	-	-	-
5.2.31.2.3. Install								-	-	-	-
5.2.31.3. Oil Pressure Interface Unit TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.31.3.1. Remove								-	-	-	-
5.2.31.3.2. Inspect								-	-	-	-
5.2.31.3.3. Install								-	-	-	-
5.2.31.4. Oil Quantity Indicating System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.31.4.1. Operational Fundamentals								-	-	-	-
5.2.31.4.2. Perform Operational Check								-	-	-	-
5.2.31.4.3. Troubleshoot System								-	-	-	-
5.2.31.5. Oil Level Transmitter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											

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	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.31.5.1. Remove								-	-	-	-
5.2.31.5.2. Inspect								-	-	-	-
5.2.31.5.3. Install								-	-	-	-
5.2.31.6. Oil Temperature Indicating System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.31.6.1. Operational Fundamentals								-	-	-	-
5.2.31.6.2. Perform Operational Check								-	-	-	-
5.2.31.6.3. Troubleshoot System								-	-	-	-
5.2.31.7. Oil Temperature Sensor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-9											
5.2.31.7.1. Remove								-	-	-	-
5.2.31.7.2. Inspect								-	-	-	-
5.2.31.7.3. Install								-	-	-	-
5.2.31.8. Integrated Drive Generator (IDG) Oil Temperature Indicating System TR: TO 1C-5M-2-7-1											
5.2.31.8.1. Operational Fundamentals								-	-	-	-
5.2.31.8.2. Perform Operational Check								-	-	-	-
5.2.31.8.3. Troubleshoot System								-	-	-	-
5.2.31.9. Fuel Flow Indicating System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.9.1. Operational Fundamentals								-	-	-	-
5.2.31.9.2. Perform Operational Check								-	-	-	-
5.2.31.9.3. Troubleshoot System								-	-	-	-
5.2.31.10. Fuel Flow Transmitter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.10.1. Remove	*							-	-	-	-
5.2.31.10.2. Inspect								-	-	-	-
5.2.31.10.3. Install	*							-	-	-	-
5.2.31.11. Engine RPM Indicating System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-7											
5.2.31.11.1. Operational Fundamentals								-	-	-	-
5.2.31.11.2. Perform Operational Check								-	-	-	-
5.2.31.11.3. Troubleshoot System								-	-	-	-
5.2.31.12. Engine RPM Sensors TR: TO 1C-5M-2-4, 1C-5M-2-4JG-7											
5.2.31.12.1. Remove								-	-	-	-
5.2.31.12.2. Inspect								-	-	-	-
5.2.31.12.3. Install								-	-	-	-
5.2.31.13. Engine Fuel Pressure System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.13.1. Operational Fundamentals								-	-	-	-
5.2.31.13.2. Perform Operational Check								-	-	-	-
5.2.31.13.3. Troubleshoot System								-	-	-	-
5.2.31.14. Engine Fuel Pressure Transmitter TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.14.1. Remove								-	-	-	-
5.2.31.14.2. Inspect								-	-	-	-
5.2.31.14.3. Install								-	-	-	-
5.2.31.15. Engine Fuel Pressure Interface Unit TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.15.1. Remove								-	-	-	-
5.2.31.15.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.31.15.3. Install								-	-	-	-
5.2.31.16. Engine Fuel Temperature System TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.16.1. Operational Fundamentals								-	-	-	-
5.2.31.16.2. Perform Operational Check								-	-	-	-
5.2.31.16.3. Troubleshoot System								-	-	-	-
5.2.31.17. Engine Fuel Temperature Sensor TR: TO 1C-5M-2-4, 1C-5M-2-4JG-3-2											
5.2.31.17.1. Remove								-	-	-	-
5.2.31.17.2. Inspect								-	-	-	-
5.2.31.17.3. Install								-	-	-	-
5.2.32. F-138-GE-100 TR: TO 1C-5M-2-4, 1C-5M-2-4JG-1-2, 1C-5M-2-4JG-1-3											
5.2.32.1. General											
5.2.32.1.1. Perform Engine Removal Preparation								-	-	-	-
5.2.32.1.2. Perform Engine Removal								-	-	-	-
5.2.32.1.3. Perform Engine Installation Preparation								-	-	-	-
5.2.32.1.4. Install Engine								-	-	-	-
5.2.32.1.5. Inspect Installed Engine		*						-	-	-	-
5.2.32.1.6. Perform Engine Preservation/De-Preservation TR: TO 1C-5M-2-4JG-12-2	*							-	-	-	-
5.2.32.1.7. Engine Transfer Between Stand or Dolly								-	-	-	-
5.2.32.1.8. Engine Transfer Between Engine Cradles								-	-	-	-
5.2.32.2. Engine Operation TR: TO 1C-5M-2-4, 1C-5M-2-4CL-1											
5.2.32.2.1. Perform Engine Run								-	-	-	-
5.2.32.2.2. Perform Operational Checks								-	-	-	-
5.2.32.2.3. Inspect Engine Intakes and Exhausts (Pre/Post Engine Run)								-	-	-	-
5.2.32.3. Engine Inspection and Preventative Maintenance/Service TR: TO 1C-5M-2-4, 1C-5M-6											
5.2.32.3.1. Compressor Borescope Blade Blending								-	-	-	-
5.2.32.3.2. Special Inspections (Over-Speed, Over-Temp, etc.)		*						-	-	-	-
5.2.32.3.3. Inspect Engine Intakes and Exhaust (BPO) TR: TO 1C-5M-6WC-3	*							-	-	-	-
5.2.32.4. Engine Cleaning TR: TO 1C-5M-2-4JG-12-2											
5.2.32.4.1. Internal								-	-	-	-
5.2.32.4.2. External								-	-	-	-
5.2.32.5. Oil System Flushing TR: TO 1C-5M-2-4JG-12-2											
5.2.32.5.1. Drain								-	-	-	-
5.2.32.5.2. Flush								-	-	-	-
5.3. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
5.3.1. Installed Engine Run Certifying Official								-	-	-	-
5.3.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In- Tank)								-	-	-	-
5.3.3. Aircraft Inlet/Intake/Exhaust								-	-	-	-
5.3.4. Flexible Borescope Certifying Official								-	-	-	-
5.3.5. Engine Blade Blend Certifying Official								-	-	-	-
5.3.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
5.3.7. IPI by PAFSC and MDS								-	-	-	-
5.3.8. Red-X and/or IPI - Limited								-	-	-	-
5.3.9. Installed Engine Run by MDS								-	-	-	-
5.3.10. Engine Blade Blending								-	-	-	-
5.3.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
5.3.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
5.3.13. Aircraft Inlet/Intake/Exhaust								-	-	-	-
5.3.14. Engine Flexible Borescope Inspections								-	-	-	-
5.3.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
5.3.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
5.3.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 6

NOTE 1: The tasks and knowledge listed in this attachment will apply to personnel in the apprentice (3-level) J3ABR2A631C048D (High Bypass) course.

NOTE 2: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on F108 (R/KC135 R/T, C-40) engines.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

6.1. ENGINE INSPECTION AND PREVENTIVE MAINTENANCE TR: TOs 00-5-14, 00-20 Series, and Applicable Aircraft/Engine TOs											
	A	-	-	-	-	-	-	-	-	-	-
6.1.1. Constructional Features								A	-	-	-
6.1.2. Engine Systems								A	-	-	-
6.1.3. Perform Inspections											
6.1.3.1. Inlet and Exhaust	*							-	-	-	-
6.1.3.2. Fan and Booster	*							-	-	-	-
6.1.3.3. Fan Hub								-	-	-	-
6.1.3.4. High Pressure Compressor								-	-	-	-
6.1.3.5. Forward Stator Cases								-	-	-	-
6.1.3.6. Rear Stator Cases								-	-	-	-
6.1.3.7. Compressor Discharge Nozzle (CDN) Case								-	-	-	-
6.1.3.8. Combustion Chamber								-	-	-	-
6.1.3.9. High Pressure Turbine								-	-	-	-
6.1.3.10. High Pressure Turbine Nozzle								-	-	-	-
6.1.3.11. 1st stage LPT Nozzle/High Pressure Turbine Shroud								-	-	-	-
6.1.3.12. Low Pressure Turbine								-	-	-	-
6.1.3.13. Low Pressure Turbine Case								-	-	-	-
6.1.3.14. Turbine Frame	*							-	-	-	-
6.1.3.15. Special Inspections (Over Speed, Over Temperature, etc.) TR: TO 1C-135R-6		*						-	-	-	-
6.1.4. Clean Gas Turbine Aircraft Engines and Associated Parts TR: TO 2J-1-13								-	-	-	-
6.1.5. Fuel Filter Differential Pressure Checks								-	-	-	-
6.1.6. Engine Monitoring System Theory								A	-	-	-
6.1.7. Operate, /Retrieve/ Data from Turbine/ Engine Monitoring System or Data Download Transfer Unit (DDTU) K/R 135 Only	*							-	-	-	-
6.1.8. Analyze Data from Turbine/Engine Monitoring System or Data Download Transfer Unit (DDTU) K/R 135 Only		*						-	-	-	-
6.1.9. Perform Compressor Wash								-	-	-	-
6.2. ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54,1-1A-8, 2J-1-13, 2-1-111, and Applicable Aircraft/Engine TOs											
6.2.1. Apply/Disconnect External Electrical Power	*							-	-	-	-
6.2.2. Apply/Disconnect External Pneumatic Power								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.2.3. Fan Blade											
6.2.3.1. Remove	*							2b/-	-	-	-
6.2.3.2. Inspect		*						2b/-	-	-	-
6.2.3.3. Install	*							2b/-	-	-	-
6.2.3.4. Repair (Blend)								a	-	-	-
6.2.4. Fan Outlet Guide Vanes											
6.2.4.1. Remove								-	-	-	-
6.2.4.2. Inspect								-	-	-	-
6.2.4.3. Install								-	-	-	-
6.2.5. Acoustical Panels											
6.2.5.1. Remove	*							-	-	-	-
6.2.5.2. Inspect		*						-	-	-	-
6.2.5.3. Install	*							-	-	-	-
6.2.6. Idle Reset Solenoid											
6.2.6.1. Remove								-	-	-	-
6.2.6.2. Inspect								-	-	-	-
6.2.6.3. Install								-	-	-	-
6.2.7. Compressor Bleed System											
6.2.7.1. Theory								A	-	-	-
6.2.8. Bleed Valve and Master Ball Screw Actuator Assembly											
6.2.8.1. Remove								-	-	-	-
6.2.8.2. Inspect		*						-	-	-	-
6.2.8.3. Install								-	-	-	-
6.2.9. Bleed Valve and Ball Screw Actuator Assembly											
6.2.9.1. Remove								-	-	-	-
6.2.9.2. Inspect		*						-	-	-	-
6.2.9.3. Install								-	-	-	-
6.2.10. VBV Stop Mechanism											
6.2.10.1. Remove								-	-	-	-
6.2.10.2. Inspect		*						-	-	-	-
6.2.10.3. Install								-	-	-	-
6.2.11. VBV Fuel Gear Motor											
6.2.11.1. Remove								-	-	-	-
6.2.11.2. Inspect		*						-	-	-	-
6.2.11.3. Install								-	-	-	-
6.2.12. VBV Feedback Cable											
6.2.12.1. Remove								-	-	-	-
6.2.12.2. Inspect		*						-	-	-	-
6.2.12.3. Install								-	-	-	-
6.2.13. VSV Feedback Cable											
6.2.13.1. Remove								-	-	-	-
6.2.13.2. Inspect		*						-	-	-	-
6.2.13.3. Install								-	-	-	-
6.2.14. Throttle Gear Box											
6.2.14.1. Remove								-	-	-	-
6.2.14.2. Inspect		*						-	-	-	-
6.2.14.3. Install								-	-	-	-
6.2.15. High Pressure Turbine Clearance Control Valve (TCCV)											
6.2.15.1. Remove								-	-	-	-
6.2.15.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.2.15.3. Install								-	-	-	-
6.2.16. Fuel pump											
6.2.16.1. Remove								2b/-	-	-	-
6.2.16.2. Inspect		*						2b/-	-	-	-
6.2.16.3. Install								2b/-	-	-	-
6.2.17. Main Engine Control/Hydro-Mechanical Unit											
6.2.17.1. Remove	*							2b/-	-	-	-
6.2.17.2. Inspect		*						2b/-	-	-	-
6.2.17.3. Install	*							2b/-	-	-	-
6.2.18. Heat Exchanger											
6.2.18.1. Remove								-	-	-	-
6.2.18.2. Inspect								-	-	-	-
6.2.18.3. Install								-	-	-	-
6.2.19. Fuel Filter											
6.2.19.1. Remove	*							-	-	-	-
6.2.19.2. Inspect		*						-	-	-	-
6.2.19.3. Install	*							-	-	-	-
6.2.20. Fuel Nozzles (External)											
6.2.20.1. Remove								2b/-	-	-	-
6.2.20.2. Inspect								2b/-	-	-	-
6.2.20.3. Install								2b/-	-	-	-
6.2.21. Fuel Flow Transmitter											
6.2.21.1. Remove								-	-	-	-
6.2.21.2. Inspect								-	-	-	-
6.2.21.3. Install								-	-	-	-
6.2.22. Integrated Drive Generator (IDG)											
6.2.22.1. Remove								-	-	-	-
6.2.22.2. Inspect								-	-	-	-
6.2.22.3. Install								-	-	-	-
6.2.22.4. Service								-	-	-	-
6.2.23. IDG Oil Cooler											
6.2.23.1. Remove								-	-	-	-
6.2.23.2. Inspect								-	-	-	-
6.2.23.3. Install								-	-	-	-
6.2.24. Engine Starter											
6.2.24.1. Remove	*							2b/-	-	-	-
6.2.24.2. Inspect		*						2b/-	-	-	-
6.2.24.3. Install	*							2b/-	-	-	-
6.2.24.4. Sealol/Seal								-	-	-	-
6.2.24.5. Service	*							a	-	-	-
6.2.25. Starter Control Valve											
6.2.25.1. Remove	*							2b/-	-	-	-
6.2.25.2. Inspect		*						2b/-	-	-	-
6.2.25.3. Install	*							2b/-	-	-	-
6.2.26. Hydraulic Pump											
6.2.26.1. Remove								-	-	-	-
6.2.26.2. Inspect								-	-	-	-
6.2.26.3. Install								-	-	-	-
6.2.27. Engine Harness											
6.2.27.1. Remove								-	-	-	-
6.2.27.2. Inspect		*						-	-	-	-
6.2.27.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.2.28. Fire Loop											
6.2.28.1. Remove								-	-	-	-
6.2.28.2. Inspect								-	-	-	-
6.2.28.3. Install								-	-	-	-
6.2.29. Tail Pipe/Tail Cone											
6.2.29.1. Remove								-	-	-	-
6.2.29.2. Inspect								-	-	-	-
6.2.29.3. Install								-	-	-	-
6.2.30. Fan Cowling											
6.2.30.1. Remove								-	-	-	-
6.2.30.2. Inspect								-	-	-	-
6.2.30.3. Install								-	-	-	-
6.2.30.4. Open/Close	*							-	-	-	-
6.2.31. Fan Duct											
6.2.31.1. Remove								-	-	-	-
6.2.31.2. Inspect								-	-	-	-
6.2.31.3. Install								-	-	-	-
6.2.31.4. Open/Close	*							-	-	-	-
6.2.32. Anti-Ice System											
6.2.32.1. Theory								A	-	-	-
6.2.33. Ring Cowl											
6.2.33.1. Remove		*						-	-	-	-
6.2.33.2. Inspect		*						-	-	-	-
6.2.33.3. Install		*						-	-	-	-
6.2.34. Nacelle Anti-Ice Valve											
6.2.34.1. Remove	*							-	-	-	-
6.2.34.2. Inspect		*						-	-	-	-
6.2.34.3. Install	*							-	-	-	-
6.2.35. Engine Mounts											
6.2.35.1. Remove								-	-	-	-
6.2.35.2. Inspect		*						-	-	-	-
6.2.35.3. Install								-	-	-	-
6.2.36. Front Spinner Cone											
6.2.36.1. Remove	*							2b/-	-	-	-
6.2.36.2. Inspect		*						2b/-	-	-	-
6.2.36.3. Install	*							2b/-	-	-	-
6.2.37. Rear Spinner Cone											
6.2.37.1. Remove	*							2b/-	-	-	-
6.2.37.2. Inspect								2b/-	-	-	-
6.2.37.3. Install	*							2b/-	-	-	-
6.2.38. Oil Pump											
6.2.38.1. Remove								2b/-	-	-	-
6.2.38.2. Inspect								2b/-	-	-	-
6.2.38.3. Install								2b/-	-	-	-
6.2.39. Oil Tank											
6.2.39.1. Remove								-	-	-	-
6.2.39.2. Inspect								-	-	-	-
6.2.39.3. Install								-	-	-	-
6.2.39.4. Service	*							a	-	-	-
6.2.40. Oil Filter											
6.2.40.1. Remove								-	-	-	-
6.2.40.2. Inspect								-	-	-	-
6.2.40.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.2.41. Chip Detectors											
6.2.41.1. Remove	*							2b/-	-	-	-
6.2.41.2. Inspect		*						2b/-	-	-	-
6.2.41.3. Install	*							2b/-	-	-	-
6.2.42. Oil Pressure Transmitter											
6.2.42.1. Remove								-	-	-	-
6.2.42.2. Inspect		*						-	-	-	-
6.2.42.3. Install								-	-	-	-
6.2.43. Oil Differential Pressure Switch											
6.2.43.1. Remove								-	-	-	-
6.2.43.2. Inspect								-	-	-	-
6.2.43.3. Install								-	-	-	-
6.2.44. Oil Temperature Sensor											
6.2.44.1. Remove								-	-	-	-
6.2.44.2. Inspect								-	-	-	-
6.2.44.3. Install								-	-	-	-
6.2.45. Low Oil Pressure Switch											
6.2.45.1. Remove								-	-	-	-
6.2.45.2. Inspect								-	-	-	-
6.2.45.3. Install								-	-	-	-
6.2.46. N1 Speed Sensor											
6.2.46.1. Remove								-	-	-	-
6.2.46.2. Inspect								-	-	-	-
6.2.46.3. Install								-	-	-	-
6.2.47. N2 Control Alternator											
6.2.47.1. Remove								-	-	-	-
6.2.47.2. Inspect								-	-	-	-
6.2.47.3. Install								-	-	-	-
6.2.48. Power Management Control											
6.2.48.1. Remove	*							-	-	-	-
6.2.48.2. Inspect								-	-	-	-
6.2.48.3. Install	*							-	-	-	-
6.2.49. T-12 Sensor											
6.2.49.1. Remove								-	-	-	-
6.2.49.2. Inspect								-	-	-	-
6.2.49.3. Install								-	-	-	-
6.2.50. Compressor Inlet Temperature (CIT) Sensor											
6.2.50.1. Remove								-	-	-	-
6.2.50.2. Inspect								-	-	-	-
6.2.50.3. Install								-	-	-	-
6.2.51. Exciter											
6.2.51.1. Remove	*							2b/-	-	-	-
6.2.51.2. Inspect								2b/-	-	-	-
6.2.51.3. Install	*							2b/-	-	-	-
6.2.52. Igniter Plug											
6.2.52.1. Remove	*							2b/-	-	-	-
6.2.52.2. Inspect		*						2b/-	-	-	-
6.2.52.3. Install	*							2b/-	-	-	-
6.2.53. Igniter Lead											
6.2.53.1. Remove	*							-	-	-	-
6.2.53.2. Inspect		*						-	-	-	-
6.2.53.3. Install	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.2.54. Thermocouple Harness											
6.2.54.1. Remove								-	-	-	-
6.2.54.2. Inspect								-	-	-	-
6.2.54.3. Install								-	-	-	-
6.2.55. Thermocouples											
6.2.55.1. Remove								-	-	-	-
6.2.55.2. Inspect								-	-	-	-
6.2.55.3. Install								-	-	-	-
6.2.56. LPT Cooling Manifold											
6.2.56.1. Remove								-	-	-	-
6.2.56.2. Inspect								-	-	-	-
6.2.56.3. Install								-	-	-	-
6.2.57. Transfer Gearbox											
6.2.57.1. Remove								-	-	-	-
6.2.57.2. Inspect								-	-	-	-
6.2.57.3. Install								-	-	-	-
6.2.58. Transfer Gearbox Magnetic/Sealol Seal											
6.2.58.1. Remove								-	-	-	-
6.2.58.2. Inspect								-	-	-	-
6.2.58.3. Install								-	-	-	-
6.2.59. Accessory Gearbox											
6.2.59.1. Remove								-	-	-	-
6.2.59.2. Inspect								-	-	-	-
6.2.59.3. Install								-	-	-	-
6.2.60. Accessory Transfer Gearbox Magnetic/Sealol Seal											
6.2.60.1. Remove								-	-	-	-
6.2.60.2. Inspect								-	-	-	-
6.2.60.3. Install								-	-	-	-
6.2.61. 5th Stage Bleed Air Check Valve											
6.2.61.1. Remove								-	-	-	-
6.2.61.2. Inspect								-	-	-	-
6.2.61.3. Install								-	-	-	-
6.2.62. Speed Control Box											
6.2.62.1. Remove								-	-	-	-
6.2.62.2. Inspect								-	-	-	-
6.2.62.3. Install								-	-	-	-
6.2.63. Turbine Frame Assembly (Oil Supply Tube, Oil Inlet Cover)											
6.2.63.1. Remove								-	-	-	-
6.2.63.2. Inspect		*						-	-	-	-
6.2.63.3. Clean								-	-	-	-
6.2.63.4. Install								-	-	-	-
6.2.64. Engine Rigging TR: Applicable Aircraft/ Engine TOs											
6.2.64.1. Rig Engine Variable Stator Vane (VSV) Feedback Cable		*						-	-	-	-
6.2.64.2. Rig Engine Variable Bleed Valve (VBV) Feedback Cable		*						-	-	-	-
6.2.64.3. Perform Main Engine Control Cable Rigging (Throttle Quadrant to MEC)		*						-	-	-	-
6.2.64.4. PMC Test		*						-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.2.64.5. PLA Gain Adjustment		*						-	-	-	-
6.3. AIRCRAFT INSTALLED ENGINE TESTING TR: Applicable Aircraft/ Engine TOs											
6.3.1. Theory								-	-	-	-
6.3.2. Perform Engine Run								-	-	-	-
6.3.3. Engine Trim Position "A"								-	-	-	-
6.3.4. Engine Trim Position "B" /Trim Supervisor								-	-	-	-
6.3.5. Engine Trim Position "C"	*							-	-	-	-
6.3.6. Perform Fan Balance								-	-	-	-
6.3.7. Audible Ignition System Check-Out	*							-	-	-	-
6.3.8. Install, Operate and Remove Remote Trim Equipment								-	-	-	-
6.3.9. Engine Leak Check	*							-	-	-	-
6.3.10. Perform Engine Dynamic Rigging (VBV/VSV/MEC)								-	-	-	-
6.4. AIRCRAFT ENGINE TESTING TR: Applicable Aircraft/ Engine TOs											
6.4.1. Theory								-	-	-	-
6.5. ENGINE REMOVAL AND INSTALLATION IN AIRFRAME TR: TOs 1-1A-8, 2J-1-24, and Applicable Aircraft TOs											
6.5.1. Remove Engine	*							-	-	-	-
6.5.2. Install Engine	*							-	-	-	-
6.6. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
6.6.1. Installed Engine Run Certifying Official								-	-	-	-
6.6.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
6.6.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
6.6.4. Flexible Borescope Certifying Official								-	-	-	-
6.6.5. Engine Blade Blend Certifying Official								-	-	-	-
6.6.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
6.6.7. IPI by PAFSC and MDS								-	-	-	-
6.6.8. Red-X and/or IPI - Limited								-	-	-	-
6.6.9. Installed Engine Run by MDS								-	-	-	-
6.6.10. Engine Blade Blending								-	-	-	-
6.6.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
6.6.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
6.6.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
6.6.14. Engine Flexible Borescope Inspections								-	-	-	-
6.6.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
6.6.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
6.6.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 7

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on F103 (CF6) engines.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

7.1. ENGINE INSPECTION AND PREVENTIVE MAINTENANCE TR: TOs 00-5-14, 00-20 Series, and Applicable Aircraft/Engine TOs											
7.1.1. Perform Inspections											
7.1.1.1. Inlet and Exhaust	*							-	-	-	-
7.1.1.2. Special Inspections (Over Speed, Over Temperature, Isochronal, etc.)	*							-	-	-	-
7.1.1.3. Fan Exit Fairing								-	-	-	-
7.1.2. Clean Gas Turbine Aircraft Engines and Associated Parts TR: TO 2J-1-13								-	-	-	-
7.1.3. Fuel Filter Differential Pressure Checks								-	-	-	-
7.1.4. Perform Compressor Wash								-	-	-	-
7.2. ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54,1-1A-8, 2J-1-13, 2-1-111, and Applicable Aircraft/Engine TOs											
7.2.1. Nozzles Exhaust											
7.2.1.1. Remove								-	-	-	-
7.2.1.2. Inspect								-	-	-	-
7.2.1.3. Install								-	-	-	-
7.2.2. Thrust Reverser Ballscrew Actuator											
7.2.2.1. Remove								-	-	-	-
7.2.2.2. Inspect								-	-	-	-
7.2.2.3. Install								-	-	-	-
7.2.3. Variable Bleed Valve Actuator											
7.2.3.1. Remove								-	-	-	-
7.2.3.2. Inspect								-	-	-	-
7.2.3.3. Install								-	-	-	-
7.2.4. N1 Speed Sensor											
7.2.4.1. Remove								-	-	-	-
7.2.4.2. Inspect								-	-	-	-
7.2.4.3. Install								-	-	-	-
7.2.5. N2 Speed Sensor											
7.2.5.1. Remove								-	-	-	-
7.2.5.2. Inspect								-	-	-	-
7.2.5.3. Install								-	-	-	-
7.2.6. Engine Fuel Differential Pressure Switch											
7.2.6.1. Remove								-	-	-	-
7.2.6.2. Inspect								-	-	-	-
7.2.6.3. Install								-	-	-	-
7.2.7. Sound Suppression Panels											
7.2.7.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.2.7.2. Inspect								-	-	-	-
7.2.7.3. Install								-	-	-	-
7.2.8. Variable Stator Vane Actuator											
7.2.8.1. Remove								-	-	-	-
7.2.8.2. Inspect								-	-	-	-
7.2.8.3. Install								-	-	-	-
7.2.9. Constant Speed Drive											
7.2.9.1. Remove								-	-	-	-
7.2.9.2. Inspect								-	-	-	-
7.2.9.3. Install								-	-	-	-
7.2.9.4. Service	*							-	-	-	-
7.2.10. Integrated Drive Generator											
7.2.10.1. Remove								-	-	-	-
7.2.10.2. Inspect								-	-	-	-
7.2.10.3. Install								-	-	-	-
7.2.10.4. Service	*							-	-	-	-
7.2.11. Constant Speed Drive Sensors/Switches											
7.2.11.1. Remove								-	-	-	-
7.2.11.2. Inspect								-	-	-	-
7.2.11.3. Install								-	-	-	-
7.2.12. Constant Speed Drive Filter											
7.2.12.1. Remove								-	-	-	-
7.2.12.2. Inspect								-	-	-	-
7.2.12.3. Install								-	-	-	-
7.2.12.13. Constant Speed Drive Heat Exchanger											
7.2.13.1. Remove								-	-	-	-
7.2.13.2. Inspect								-	-	-	-
7.2.13.3. Install								-	-	-	-
7.2.14. Engine Fan Cowl											
7.2.14.1. Remove								-	-	-	-
7.2.14.2. Inspect								-	-	-	-
7.2.14.3. Install								-	-	-	-
7.2.14.4. Open	*							-	-	-	-
7.2.14.5. Close	*							-	-	-	-
7.2.15. Engine Core Cowl											
7.2.15.1. Remove								-	-	-	-
7.2.15.2. Inspect								-	-	-	-
7.2.15.3. Install								-	-	-	-
7.2.15.4. Open	*							-	-	-	-
7.2.15.5. Close	*							-	-	-	-
7.2.16. Engine Nose Cowl											
7.2.16.1. Remove	*							-	-	-	-
7.2.16.2. Inspect								-	-	-	-
7.2.16.3. Install	*							-	-	-	-
7.2.17. Engine Cowling Support Rods											
7.2.17.1. Remove								-	-	-	-
7.2.17.2. Inspect								-	-	-	-
7.2.17.3. Install								-	-	-	-
7.2.18. Engine Spinner Cone Inlet											
7.2.18.1. Remove	*							-	-	-	-
7.2.18.2. Inspect		*						-	-	-	-
7.2.18.3. Install	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.2.19. Engine N1 Fan Blade											
7.2.19.1. Remove	*							-	-	-	-
7.2.19.2. Inspect		*						-	-	-	-
7.2.19.3. Install	*							-	-	-	-
7.2.19.4. Repair (Blend)								-	-	-	-
7.2.20. Engine Gearbox Garlock Seals											
7.2.20.1. Remove								-	-	-	-
7.2.20.2. Inspect								-	-	-	-
7.2.20.3. Install								-	-	-	-
7.2.21. Main Engine Control (MEC)											
7.2.21.1. Remove								-	-	-	-
7.2.21.2. Inspect								-	-	-	-
7.2.21.3. Install								-	-	-	-
7.2.22. Engine Pressure and Dump Valve (P&D)											
7.2.22.1. Remove								-	-	-	-
7.2.22.2. Inspect								-	-	-	-
7.2.22.3. Install								-	-	-	-
7.2.23. Engine CIT Sensor											
7.2.23.1. Remove								-	-	-	-
7.2.23.2. Inspect								-	-	-	-
7.2.23.3. Install								-	-	-	-
7.2.24. Engine Eductor Valve											
7.2.24.1. Remove								-	-	-	-
7.2.24.2. Inspect								-	-	-	-
7.2.24.3. Install								-	-	-	-
7.2.25. Engine Flight/Idle Solenoid Valve											
7.2.25.1. Remove								-	-	-	-
7.2.25.2. Inspect								-	-	-	-
7.2.25.3. Install								-	-	-	-
7.2.26. Engine Fuel Filter											
7.2.26.1. Remove	*							-	-	-	-
7.2.26.2. Inspect								-	-	-	-
7.2.26.3. Install	*							-	-	-	-
7.2.27. Engine Main Fuel Pump											
7.2.27.1. Remove								-	-	-	-
7.2.27.2. Inspect								-	-	-	-
7.2.27.3. Install								-	-	-	-
7.2.28. Engine Ignition Lead											
7.2.28.1. Remove								-	-	-	-
7.2.28.2. Inspect								-	-	-	-
7.2.28.3. Install								-	-	-	-
7.2.29. Engine Igniter Plug											
7.2.29.1. Remove	*							-	-	-	-
7.2.29.2. Inspect								-	-	-	-
7.2.29.3. Install	*							-	-	-	-
7.2.30. Engine Ignition Exciter											
7.2.30.1. Remove								-	-	-	-
7.2.30.2. Inspect								-	-	-	-
7.2.30.3. Install								-	-	-	-
7.2.31. Engine Variable Stator Vane Cable											
7.2.31.1. Remove								-	-	-	-
7.2.31.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.2.31.3. Install								-	-	-	-
7.2.32. Thrust Reverser Pneumatic Drive Motor (PDM)											
7.2.32.1. Remove								-	-	-	-
7.2.32.2. Inspect								-	-	-	-
7.2.32.3. Install								-	-	-	-
7.2.32.4. Service	*										
7.2.33. PDM Flex Shaft Cable											
7.2.33.1. Remove								-	-	-	-
7.2.33.2. Inspect								-	-	-	-
7.2.33.3. Install								-	-	-	-
7.2.34. Thrust Reverser Directional Switch											
7.2.34.1. Remove								-	-	-	-
7.2.34.2. Inspect								-	-	-	-
7.2.34.3. Install								-	-	-	-
7.2.35. Thrust Reverser Pneumatic Limit Switch											
7.2.35.1. Remove								-	-	-	-
7.2.35.2. Inspect								-	-	-	-
7.2.35.3. Install								-	-	-	-
7.2.36. Thrust Reverser Directional Control Solenoid Valve											
7.2.36.1. Remove								-	-	-	-
7.2.36.2. Inspect								-	-	-	-
7.2.36.3. Install								-	-	-	-
7.2.37. Thrust Reverser Directional Pilot Valve											
7.2.37.1. Remove								-	-	-	-
7.2.37.2. Inspect								-	-	-	-
7.2.37.3. Install								-	-	-	-
7.2.38. Thrust Reverser Interlock Solenoid Valve											
7.2.38.1. Remove								-	-	-	-
7.2.38.2. Inspect								-	-	-	-
7.2.38.3. Install								-	-	-	-
7.2.39. Thrust Reverser Overpressure and Inlet Shutoff Valve (OPI)											
7.2.39.1. Remove								-	-	-	-
7.2.39.2. Inspect								-	-	-	-
7.2.39.3. Install								-	-	-	-
7.2.40. Thrust Reverser Pressure Regulator Valve											
7.2.40.1. Remove								-	-	-	-
7.2.40.2. Inspect								-	-	-	-
7.2.40.3. Install								-	-	-	-
7.2.41. Thrust Reverser Throttle Interlock Valve											
7.2.41.1. Remove								-	-	-	-
7.2.41.2. Inspect								-	-	-	-
7.2.41.3. Install								-	-	-	-
7.2.42. Thrust Reverser Translating Cowl											
7.2.42.1. Remove								-	-	-	-
7.2.42.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.2.42.3. Install								-	-	-	-
7.2.42.4. Open								-	-	-	-
7.2.42.5. Close								-	-	-	-
7.2.43. Thrust Reverser Blocker Door											
7.2.43.1. Remove								-	-	-	-
7.2.43.2. Inspect								-	-	-	-
7.2.43.3. Install								-	-	-	-
7.2.44. Thrust Reverser Stow/Deploy Switch											
7.2.44.1. Remove								-	-	-	-
7.2.44.2. Inspect								-	-	-	-
7.2.44.3. Install								-	-	-	-
7.2.45. Thrust Reverser Interlock Actuator											
7.2.45.1. Remove								-	-	-	-
7.2.45.2. Inspect								-	-	-	-
7.2.45.3. Install								-	-	-	-
7.2.46. Engine Lubrication Filters/Strainers											
7.2.46.1. Remove								-	-	-	-
7.2.46.2. Inspect								-	-	-	-
7.2.46.3. Install								-	-	-	-
7.2.47. Engine Fuel/Oil Heat Exchanger											
7.2.47.1. Remove								-	-	-	-
7.2.47.2. Inspect								-	-	-	-
7.2.47.3. Install								-	-	-	-
7.2.48. Engine Lube and Scavenge Pump											
7.2.48.1. Remove								-	-	-	-
7.2.48.2. Inspect								-	-	-	-
7.2.48.3. Install								-	-	-	-
7.2.49. Engine Oil System											
7.2.49.1. Theory								-	-	-	-
7.2.50. Engine Oil System Switches/Sensors											
7.2.50.1. Remove								-	-	-	-
7.2.50.2. Inspect								-	-	-	-
7.2.50.3. Install								-	-	-	-
7.2.51. Engine Oil tank											
7.2.51.1. Remove								-	-	-	-
7.2.51.2. Inspect								-	-	-	-
7.2.51.3. Install								-	-	-	-
7.2.52. Transfer Gearbox											
7.2.52.1. Remove								-	-	-	-
7.2.52.2. Inspect								-	-	-	-
7.2.52.3. Install								-	-	-	-
7.2.53. Main Oil Chip Detector											
7.2.53.1. Remove	*							-	-	-	-
7.2.53.2. Inspect		*						-	-	-	-
7.2.53.3. Install	*							-	-	-	-
7.2.54. Engine Starter Control Valve											
7.2.54.1. Remove	*							-	-	-	-
7.2.54.2. Inspect								-	-	-	-
7.2.54.3. Install	*							-	-	-	-
7.2.55. Engine Fuel Nozzle											
7.2.55.1. Remove								-	-	-	-
7.2.55.2. Inspect								-	-	-	-
7.2.55.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.2.56. Fuel Flow Electronic Unit (Transmitter)											
7.2.56.1. Remove								-	-	-	-
7.2.56.2. Inspect								-	-	-	-
7.2.56.3. Install								-	-	-	-
7.2.57. Thrust Reverser Actuation System (TRAS)											
7.2.57.1. Thrust Reverser Actuation System (TRAS) System Operation								-	-	-	-
7.2.58. Actuation System Lock Switcher Valve											
7.2.58.1. Remove								-	-	-	-
7.2.58.2. Inspect								-	-	-	-
7.2.58.3. Install								-	-	-	-
7.2.59. Actuation System Lock Relay Box											
7.2.59.1. Remove								-	-	-	-
7.2.59.2. Inspect								-	-	-	-
7.2.59.3. Install								-	-	-	-
7.2.60. Actuation System Lock Switcher											
7.2.60.1. Remove								-	-	-	-
7.2.60.2. Inspect								-	-	-	-
7.2.60.3. Install								-	-	-	-
7.3. ENGINE RIGGING TR: Applicable Aircraft/Engine TOs											
7.3.1. Rig Variable Stator Vane/Bypass Valve Actuators/Bleed Valves	*							-	-	-	-
7.3.2. Rig MEC Cable	*							-	-	-	-
7.4. AIRCRAFT INSTALLED ENGINE TESTING TR: Applicable Aircraft/Engine TOs											
7.4.1. Perform Engine Run								-	-	-	-
7.4.2. Perform Engine Trim (Core Task KC-10 Only)		*						-	-	-	-
7.4.3. Perform Coke Cleaning Procedures								-	-	-	-
7.4.4. Perform Power Assurance Check (Core Task KC-10 Only)		*						-	-	-	-
7.4.5. Deactivate/Activate Thrust Reversers								-	-	-	-
7.4.6. Fan Trim Balance		*						-	-	-	-
7.4.7. Perform Distribution System Operational Check (Audible)								-	-	-	-
7.4.8. Install, Operate, and Remove Trim Equipment	*							-	-	-	-
7.5. ENGINE REMOVAL and INSTALLATION IN AIRFRAME TR: TOs 1-1A-8, 2J-1-24, and Applicable Aircraft TOs											
7.5.1. Wing Engines											
7.5.1.1. Remove Engine								-	-	-	-
7.5.1.2. Install Engine								-	-	-	-
7.5.1.3. Service Engine								-	-	-	-
7.5.2. Engine Mounts											
7.5.2.1. Remove								-	-	-	-
7.5.2.2. Inspect								-	-	-	-
7.5.2.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.5.2.4. Assemble								-	-	-	-
7.5.2.5. Disassemble								-	-	-	-
7.5.3. Tail Engines											
7.5.3.1. Remove Engine								-	-	-	-
7.5.3.2. Install Engine								-	-	-	-
7.5.3.3. Service Engine	*							-	-	-	-
7.6. ENGINE CORE BLADES											
7.6.1. Bore Blend								-	-	-	-
7.7. ENGINE THROTTLE PUSH/PULL CABLE											
7.7.1. Remove								-	-	-	-
7.7.2. Inspect								-	-	-	-
7.7.3. Install								-	-	-	-
7.7.4. Rig	*							-	-	-	-
7.8. FUEL CONTROL SHUT-OFF CABLE											
7.8.1. Remove								-	-	-	-
7.8.2. Inspect								-	-	-	-
7.8.3. Install								-	-	-	-
7.8.4. Rig	*							-	-	-	-
7.9. ENGINE VARIABLE BLEED VALVE CABLE											
7.9.1. Remove								-	-	-	-
7.9.2. Inspect								-	-	-	-
7.9.3. Install								-	-	-	-
7.10. ENGINE PNEUMATIC STARTER											
7.10.1. Remove								-	-	-	-
7.10.2. Inspect								-	-	-	-
7.10.3. Install								-	-	-	-
7.10.4. Service	*							-	-	-	-
7.11. ENGINE GENERATOR											
7.11.1. Remove								-	-	-	-
7.11.2. Inspect								-	-	-	-
7.11.3. Install								-	-	-	-
7.11.4. Service	*							-	-	-	-
7.12. AERIAL REFUELING BOOM											
7.12.1. Raise/Lower								-	-	-	-
7.13. WING ENGINE FAN CORE THRUST REVERSER HALVES											
7.13.1. Remove								-	-	-	-
7.13.2. Inspect								-	-	-	-
7.13.3. Install								-	-	-	-
7.13.4. Open	*							-	-	-	-
7.13.5. Close	*							-	-	-	-
7.14. AFT ENGINE FAN CORE THRUST REVERSER HALVES											
7.14.1. Remove								-	-	-	-
7.14.2. Inspect								-	-	-	-
7.14.3. Install								-	-	-	-
7.14.4. Open	*							-	-	-	-
7.14.5. Close	*							-	-	-	-
7.15. TAIL ENGINE WORK PLATFORM/PATIO											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
7.15.1. Open	*							-	-	-	-
7.15.2. Close	*							-	-	-	-
7.16. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
7.16.1. Installed Engine Run Certifying Official								-	-	-	-
7.16.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
7.16.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
7.16.4. Flexible Borescope Certifying Official								-	-	-	-
7.16.5. Engine Blade Blend Certifying Official								-	-	-	-
7.16.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
7.16.7. IPI by PAFSC and MDS								-	-	-	-
7.16.8. Red-X and/or IPI - Limited								-	-	-	-
7.16.9. Installed Engine Run by MDS								-	-	-	-
7.16.10. Engine Blade Blending								-	-	-	-
7.16.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
7.16.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
7.16.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
7.16.14. Engine Flexible Borescope Inspections								-	-	-	-
7.16.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
7.16.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
7.16.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 8

NOTE 1: The tasks and knowledge listed in this attachment will apply to personnel in the apprentice (3-level) J3ABR2A631C048D (High Bypass) course.

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on F117 (C-17) engines.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

8.1. ENGINE INSPECTION AND PREVENTIVE MAINTENANCE TR: TOs 00-5-14, 00-20 Series, and Applicable Aircraft/Engine TOs											
	8.1.1. Constructional Features							A	-	-	-
	8.1.2. Engine Systems							A	-	-	-
	8.1.3. Perform Inspections										
	8.1.3.1. Inlet and Exhaust	*						-	-	-	-
	8.1.3.2. Special Inspections (Over Speed, Over Temperature, etc.)		*					-	-	-	-
	8.1.3.3. Fan Exit Fairing							-	-	-	-
	8.1.3.4. Clean Gas Turbine Aircraft Engines and Associated Parts							-	-	-	-
	8.1.3.5. Operate, Input/Retrieve/ Interpret Data from Turbine/Engine Monitoring System (Operate Caution, Warning and Malfunction Display, etc.)							-	-	-	-
	8.1.3.6. Remove and Replace Quick Access Recording Disk	*						-	-	-	-
8.1.4. Operate	8.1.3.7. Service/Inspect Engine Oil System	*						a	-	-	-
	8.1.3.8. Service/Inspect Engine Start System	*						a	-	-	-
	8.1.3.9. Service/Inspect Engine IDG System	*						a	-	-	-
	8.1.3.10. Fuselage/Wing Access Entry							-	-	-	-
	8.1.3.11. Fuselage Wing/Access Exit							-	-	-	-
	8.1.3.12. Connect/Disconnect Exit Pneumatic Air							-	-	-	-
	8.1.4.1. Flaps/Slats System							-	-	-	-
	8.1.4.2. Multifunction Display System (MFD)	*						-	-	-	-
	8.1.4.3. Visual Warning and Caution System	*						-	-	-	-
	8.1.4.4. Mission Computer	*						-	-	-	-
8.2. ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54, 1-1A-8, 2J-1-13, 2-1-111, and Applicable Aircraft/Engine TOs	8.1.4.5. Maintenance Monitor Panel to View and Erase Faults							-	-	-	-
	8.1.5. Perform Compressor Wash							-	-	-	-
	8.2.1. Install Engine Water Wash Equipment							-	-	-	-
	8.2.2. Cowl Door Support Rods TR: TO 54JG-10-1										
	8.2.2.1. Remove							-	-	-	-
	8.2.2.2. Install							-	-	-	-
	8.2.3. Cowl Ice Protection Shut-Off Valve TR: TO 30JG-20-1										
	8.2.3.1. Anti-Ice System Theory							-	-	-	-
	8.2.3.2. Remove							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.3.3. Inspect								-	-	-	-
8.2.3.4. Install								-	-	-	-
8.2.4. Cowl Ice Detector TR: TO 30JG-80-1											
8.2.4.1. Remove	*							-	-	-	-
8.2.4.2. Inspect								-	-	-	-
8.2.4.3. Install	*							-	-	-	-
8.2.4.4. Operational Check	*							-	-	-	-
8.2.5. Engine Cowl A/I Venturi Duct TR: TO 30JG-20-1											
8.2.5.1. Remove								-	-	-	-
8.2.5.2. Inspect								-	-	-	-
8.2.5.3. Install								-	-	-	-
8.2.6. Thrust Reverser System TR: SSN											
8.2.6.1. Theory								A	-	-	-
8.2.6.2. Remove								-	-	-	-
8.2.6.3. Inspect								-	-	-	-
8.2.6.4. Install								-	-	-	-
8.2.7. Core Thrust Reverser Actuator TR: TO 78JG-18 and 78JG-20											
8.2.7.1. Remove								-	-	-	-
8.2.7.2. Inspect								-	-	-	-
8.2.7.3. Install								-	-	-	-
8.2.8. Fan Blocker Door TR: TO 78JG-30-8											
8.2.8.1. Remove								-	-	-	-
8.2.8.2. Inspect								-	-	-	-
8.2.8.3. Install								-	-	-	-
8.2.9. Core Blocker Door TR: TO 78JG-30-15											
8.2.9.1. Remove								-	-	-	-
8.2.9.2. Inspect								-	-	-	-
8.2.9.3. Install								-	-	-	-
8.2.10. Fan Thrust Reverser											
8.2.10.1. Remove								-	-	-	-
8.2.10.2. Inspect								-	-	-	-
8.2.10.3. Install								-	-	-	-
8.2.11. Core Translating Cowl											
8.2.11.1. Inspect								-	-	-	-
8.2.12. Core Thrust Reverser											
8.2.12.1. Remove								-	-	-	-
8.2.12.2. Inspect								-	-	-	-
8.2.12.3. Install								-	-	-	-
8.2.13. Core Thrust Reverser Blocker Door Link TR: TO 78JG-30-15											
8.2.13.1. Remove								-	-	-	-
8.2.13.2. Inspect	*							-	-	-	-
8.2.13.3. Install								-	-	-	-
8.2.14. Sync Cables TR: SSN 78-33-14 and 78-33-15											
8.2.14.1. Remove								-	-	-	-
8.2.14.2. Inspect								-	-	-	-
8.2.14.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.15. Fan Duct Opening Actuating Cylinder TR: TO 78JG-30-21											
8.2.15.1. Remove								-	-	-	-
8.2.15.2. Inspect								-	-	-	-
8.2.15.3. Install								-	-	-	-
8.2.16. Thrust Reverser Control Valve TR: TO 78JG-30-16											
8.2.16.1. Remove								-	-	-	-
8.2.16.2. Inspect								-	-	-	-
8.2.16.3. Install								-	-	-	-
8.2.17. Fan Thrust Reverser Actuator Proximity Sensor TR: TO 78JG-3-1											
8.2.17.1. Remove								-	-	-	-
8.2.17.2. Inspect								-	-	-	-
8.2.17.3. Install								-	-	-	-
8.2.18. Core Thrust Reverser Upper Act. Prox. Sensor TR: TO 78JG-30-19											
8.2.18.1. Remove								-	-	-	-
8.2.18.2. Inspect								-	-	-	-
8.2.18.3. Install								-	-	-	-
8.2.19. Oil Tank Pressurization Valve TR: TO 79JG-10-1											
8.2.19.1. Remove								-	-	-	-
8.2.19.2. Inspect								-	-	-	-
8.2.19.3. Install								-	-	-	-
8.2.20. Fuel System											
8.2.20.1. Theory								-	-	-	-
8.2.21. Fuel Distribution Valve TR: TO 73JG-10-1											
8.2.21.1. Remove								-	-	-	-
8.2.21.2. Inspect								-	-	-	-
8.2.21.3. Install								-	-	-	-
8.2.22. Fuel/Oil Heat Exc. Bypass Valve TR: TO 79JG-20-1											
8.2.22.1. Remove								-	-	-	-
8.2.22.2. Inspect								-	-	-	-
8.2.22.3. Install								-	-	-	-
8.2.23. Main Air/Oil Cooler TR: TO 79JG-20-1											
8.2.23.1. Remove								-	-	-	-
8.2.23.2. Inspect								-	-	-	-
8.2.23.3. Install								-	-	-	-
8.2.24. Fan Thrust Reverser Door											
8.2.24.1. Remove								-	-	-	-
8.2.24.2. Inspect								-	-	-	-
8.2.24.3. Shim								-	-	-	-
8.2.24.4. Install								-	-	-	-
8.2.25. Accessory Doors TR: TO 54JG-10-1											
8.2.25.1. Open/Close	*							2b/-	-	-	-
8.2.25.2. Remove								-	-	-	-
8.2.25.3. Inspect								-	-	-	-
8.2.25.4. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.26. Nacelle Latches TR: TO 54JG-10-1											
8.2.26.1. Remove								-	-	-	-
8.2.26.2. Inspect								-	-	-	-
8.2.26.3. Install								-	-	-	-
8.2.27. HPT Thermocouple TR: TO 75JG-20-3											
8.2.27.1. Remove								-	-	-	-
8.2.27.2. Inspect								-	-	-	-
8.2.27.3. Install								-	-	-	-
8.2.28. Fuel Filter Diff. Press Sw. TR: TO 73JG-30-1, SSSN 73-34-10											
8.2.28.1. Remove								-	-	-	-
8.2.28.2. Inspect								-	-	-	-
8.2.28.3. Install								-	-	-	-
8.2.29. Engine Fuel Distribution Vlv Filter TR: TO 73JG-10-1, SSSN 73-11-10-4											
8.2.29.1. Remove								-	-	-	-
8.2.29.2. Inspect								-	-	-	-
8.2.29.3. Install								-	-	-	-
8.2.30. Engine Fuel Flow Transmitter TR: SSSN 73-31-10											
8.2.30.1. Remove								-	-	-	-
8.2.30.2. Install								-	-	-	-
8.2.31. Fuel Control Unit Filter TR: TO 73JG-20-2, SSSN 73-21-19											
8.2.31.1. Remove								-	-	-	-
8.2.31.2. Inspect								-	-	-	-
8.2.31.3. Install								-	-	-	-
8.2.32. Fuel Inlet Low Pressure Switch TR: TO 73JG-30-1, SSSN 73-33-10											
8.2.32.1. Remove								-	-	-	-
8.2.32.2. Inspect								-	-	-	-
8.2.32.3. Install								-	-	-	-
8.2.33. Engine Deoiler TR: TO 79JG-20-2, SSSN 79-21-16											
8.2.33.1. Remove								-	-	-	-
8.2.33.2. Inspect								-	-	-	-
8.2.33.3. Install								-	-	-	-
8.2.34. Compressor Stator Cylinder TR: TO 75JG-30-1, SSSN 75-31-10											
8.2.34.1. Remove								-	-	-	-
8.2.34.2. Inspect								-	-	-	-
8.2.34.3. Install								-	-	-	-
8.2.34.4. Adjust with Rigging Holder								-	-	-	-
8.2.34.5. Adjust without Rigging Holder								-	-	-	-
8.2.35. 14th Stage Bleed Converter Valve TR: TO 75JG-30-1, SSSN 75-32-10											
8.2.35.1. Remove	*							-	-	-	-
8.2.35.2. Inspect								-	-	-	-
8.2.35.3. Install	*							-	-	-	-
8.2.36. Starting (14th Stage) Bleed Valve TR: TO 75JG-30-1, SSSN 75-33-10											
8.2.36.1. Remove	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.36.2. Inspect								-	-	-	-
8.2.36.3. Install	*							-	-	-	-
8.2.37. Starter TR: 1C-17A-2-80JG-10-1											
8.2.37.1. Remove	*							2b/-	-	-	-
8.2.37.2. Inspect								2b/-	-	-	-
8.2.37.3. Install	*							2b/-	-	-	-
8.2.38. Starter Control Valve TR: 1C-17A-2-80JG-10-1											
8.2.38.1. Remove								2b/-	-	-	-
8.2.38.2. Inspect								2b/-	-	-	-
8.2.38.3. Install								2b/-	-	-	-
8.2.38.4. Manual Operation	*							-	-	-	-
8.2.39. 2.5 Bleed Valve TR: TO 75JG-30-1 TR: SSSN 75-35-10											
8.2.39.1. Remove								-	-	-	-
8.2.39.2. Inspect								-	-	-	-
8.2.39.3. Install								-	-	-	-
8.2.39.4. Adjust								-	-	-	-
8.2.40. ACC Cooling Air Valves TR: TO 75JG-20-1/20-2, SSSN 75-21-10											
8.2.40.1. Remove								-	-	-	-
8.2.40.2. Inspect								-	-	-	-
8.2.40.3. Install								-	-	-	-
8.2.41. Air/Oil Cooling Air Shutoff Valve TR: TO 79JG-20-1, SSSN 75-23-10											
8.2.41.1. Remove								-	-	-	-
8.2.41.2. Inspect								-	-	-	-
8.2.41.3. Install								-	-	-	-
8.2.42. #4 Bearing Scavenge Valve TR: TO 79JG-20-2, SSSN 79-21-15											
8.2.42.1. Remove	*							-	-	-	-
8.2.42.2. Inspect								-	-	-	-
8.2.42.3. Install	*							-	-	-	-
8.2.43. V-Groove (V-Band) Latch Assembly TR: TO 78JG-30-3, SSSN 78-31-13											
8.2.43.1. Remove								-	-	-	-
8.2.43.2. Inspect		*						-	-	-	-
8.2.43.3. Install								-	-	-	-
8.2.43.4. Adjust TR: TO 78JG-30-1, SSSN 78-31-13-5								-	-	-	-
8.2.44. Load Sharing Latches TR: TO 78JG-30-2, SSSN 78-31-13											
8.2.44.1. Remove								-	-	-	-
8.2.44.2. Inspect								-	-	-	-
8.2.44.3. Install								-	-	-	-
8.2.45. 95% Deployed Proximity Sensors TR: TO 78JG-30-11, SSSN 78-34-10											
8.2.45.1. Remove								-	-	-	-
8.2.45.2. Inspect								-	-	-	-
8.2.45.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.46. Fuel Injector and Support Assembly TR: TO 73JG-10-1											
8.2.46.1. Remove								-	-	-	-
8.2.46.2. Inspect								-	-	-	-
8.2.46.3. Install								-	-	-	-
8.2.47. Burner Immersion Thermocouple (T3.5) TR: TO 73JG-20-2, SSSN 73-21-20											
8.2.47.1. Remove								-	-	-	-
8.2.47.2. Inspect								-	-	-	-
8.2.47.3. Install								-	-	-	-
8.2.48. Gearbox Scavenge Oil Pump TR: TO 79JG-20-2, SSSN 79-21-14											
8.2.48.1. Remove								2b/-	-	-	-
8.2.48.2. Inspect								2b/-	-	-	-
8.2.48.3. Install								2b/-	-	-	-
8.2.49. Fwd/Aft Cone Segment TR: TO 72JG-30-1, SSSN 72-21-10, and 72-31-11											
8.2.49.1. Remove								2b/-	-	-	-
8.2.49.2. Inspect								2b/-	-	-	-
8.2.49.3. Install								2b/-	-	-	-
8.2.50. Electronic Engine Control (EEC) TR: TO 73JG-20-1, SSSN 73-21-10											
8.2.50.1. Remove	*							2b/-	-	-	-
8.2.50.2. Inspect		*						2b/-	-	-	-
8.2.50.3. Install	*							2b/-	-	-	-
8.2.51. Engine Igniter TR: 1C-17A-2-74JG-20-1											
8.2.51.1. Remove	*							2b/-	-	-	-
8.2.51.2. Inspect		*						2b/-	-	-	-
8.2.51.3. Install	*							2b/-	-	-	-
8.2.52. Engine Igniter Plug Boss Assembly											
8.2.52.1. Remove Engine Igniter Plug Boss Assy								-	-	-	-
8.2.52.2. Install Engine Igniter Plug Boss Assy								-	-	-	-
8.2.53. Engine Ignition Lead TR: 1C-17A-2-74JG-20-1											
8.2.53.1. Remove	*							-	-	-	-
8.2.53.2. Inspect								-	-	-	-
8.2.53.3. Install	*							-	-	-	-
8.2.54. EEC Alternator Stator TR: TO 73JG-20-1, SSSN 73-21-12											
8.2.54.1. Remove								-	-	-	-
8.2.54.2. Inspect		*						-	-	-	-
8.2.54.3. Install								-	-	-	-
8.2.55. EEC Alternator Rotor TR: TO 73JG-20-1, SSSN 73-21-13											
8.2.55.1. Remove								-	-	-	-
8.2.55.2. Inspect		*						-	-	-	-
8.2.55.3. Install								-	-	-	-
8.2.56. EEC N1 Motional Transducer TR: TO 73JG-20-1, SSSN 73-21-14											
8.2.56.1. Remove								-	-	-	-
8.2.56.2. Inspect								-	-	-	-
8.2.56.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.57. EEC Inlet Total Pressure Temperature Probe (TT2/PT2) TR: TO73JG-20-1											
8.2.57.1. Remove	*							-	-	-	-
8.2.57.2. Inspect								-	-	-	-
8.2.57.3. Install	*							-	-	-	-
8.2.58. EEC Oil Cooler Fuel Temp. Probe TR: TO 73JG-20-2											
8.2.58.1. Remove								-	-	-	-
8.2.58.2. Inspect								-	-	-	-
8.2.58.3. Install								-	-	-	-
8.2.59. Fuel Control TR: 1C-17A-2-73JG-20-2											
8.2.59.1. Remove	*							2b/-	-	-	-
8.2.59.2. Inspect								2b/-	-	-	-
8.2.59.3. Install	*							2b/-	-	-	-
8.2.60. Fuel Pump TR: 1C-17A-2-73JG-10-1											
8.2.60.1. Remove	*							2b/-	-	-	-
8.2.60.2. Inspect								2b/-	-	-	-
8.2.60.3. Install	*							2b/-	-	-	-
8.2.61. Fuel Pump Filter TR: 1C-17A-2-73JG-10-1											
8.2.61.1. Remove	*							-	-	-	-
8.2.61.2. Inspect		*						-	-	-	-
8.2.61.3. Install	*							-	-	-	-
8.2.62. Fuel/Oil Heat Exchanger TR: 1C-17A-2-73JG-10-1											
8.2.62.1. Remove								-	-	-	-
8.2.62.2. Inspect								-	-	-	-
8.2.62.3. Install								-	-	-	-
8.2.63. Ignition Exciter TR: 1C-17A-2-74JG-10-1											
8.2.63.1. Remove								2b/-	-	-	-
8.2.63.2. Inspect								2b/-	-	-	-
8.2.63.3. Install								2b/-	-	-	-
8.2.64. #5 Bearing Sump Cover TR: 1C-17A-2-72JG-50-1											
8.2.64.1. Remove								-	-	-	-
8.2.64.2. Inspect								-	-	-	-
8.2.64.3. Install								-	-	-	-
8.2.65. Turbine Cooling Air (TCA) Valve Actuator TR: 1C-17A-75JG-20-1											
8.2.65.1. Remove								-	-	-	-
8.2.65.2. Inspect								-	-	-	-
8.2.65.3. Install								-	-	-	-
8.2.66. Turbine Cooling Air Deactivation TR: 1C-17A-75JG-20-1											
8.2.66.1. Activate								-	-	-	-
8.2.66.2. Deactivate								-	-	-	-
8.2.67. Integrated Drive Generator (IDG) TR: 1C-17A-2-24-20-2											
8.2.67.1. Remove	*							2b/-	-	-	-
8.2.67.2. Inspect								-	-	-	-
8.2.67.3. Install	*							2b/-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.2.68. IDG Oil Filter TR: 1C-17A-2-24JG-20-2, SSSN 24-21-13-4											
8.2.68.1. Remove	*							-	-	-	-
8.2.68.2. Inspect								-	-	-	-
8.2.68.3. Install	*							-	-	-	-
8.2.69. Engine Lube and Scavenge Pump TR: 1C-17A-2-79JG-20-1, SSSN 79-21-13											
8.2.69.1. Remove								-	-	-	-
8.2.69.2. Inspect								-	-	-	-
8.2.69.3. Install								-	-	-	-
8.2.70. Engine Oil Quantity Transmitter											
8.2.70.1. Remove								-	-	-	-
8.2.70.2. Install								-	-	-	-
8.2.71. Engine Oil Pressure Transmitter											
8.2.71.1. Remove								-	-	-	-
8.2.71.2. Install								-	-	-	-
8.2.72. Main Engine Oil Filter TR: 1C-17A-2-79JG-20-1											
8.2.72.1. Remove	*							-	-	-	-
8.2.72.2. Inspect		*						-	-	-	-
8.2.72.3. Install	*							-	-	-	-
8.2.73. EEC Oil Cooler Oil Temp. Probe TR: TO 73JG-20-2											
8.2.73.1. Remove								-	-	-	-
8.2.73.2. Inspect								-	-	-	-
8.2.73.3. Install								-	-	-	-
8.2.74. EEC Front Wiring Harness (W2) TR: TO 73JG-20-3											
8.2.74.1. Remove								-	-	-	-
8.2.74.2. Inspect		*						-	-	-	-
8.2.74.3. Repair								-	-	-	-
8.2.74.4. Install								-	-	-	-
8.2.75. EEC Rear Wiring Harness (W1) TR: TO 73JG-20-3											
8.2.75.1. Remove								-	-	-	-
8.2.75.2. Inspect		*						-	-	-	-
8.2.75.3. Repair								-	-	-	-
8.2.75.4. Install								-	-	-	-
8.2.76. EEC Exhaust Gas Temperature Wiring Harness (W31) TR: TO 73JG-20-4											
8.2.76.1. Remove								-	-	-	-
8.2.76.2. Inspect		*						-	-	-	-
8.2.76.3. Repair								-	-	-	-
8.2.76.4. Install								-	-	-	-
8.2.77. EEC Core Wiring Harness (W34) TR: TO 73JG-20-4											
8.2.77.1. Remove								-	-	-	-
8.2.77.2. Inspect		*						-	-	-	-
8.2.77.3. Repair								-	-	-	-
8.2.77.4. Install								-	-	-	-
8.2.77.5. Perform EEC System Operational Checkout TR: TO 73JG-20-1								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.3. ENGINE RIGGING TR: Applicable Aircraft/ Engine TOs											
8.3.1. Rig Thrust Reverser/ Proximity Sensors		*						-	-	-	-
8.3.2. High Pressure Compressor Variable Stator Vanes		*						-	-	-	-
8.4. AIRCRAFT INSTALLED ENGINE TESTING TR: Applicable Aircraft/ Engine TOs											
8.4.1. Troubleshoot Power Plant Using FI Manual TR: TO 71FI-00-1								-	-	-	-
8.4.2. Perform Fan Blade Clearance Check TR: TO 70GS-00-1								-	-	-	-
8.4.3. Operate UHF System								-	-	-	-
8.4.4. Perform Engine Operation								-	-	-	-
8.4.5. Engine Operation Position "A"								-	-	-	-
8.4.6. Engine Operator Position "B"								-	-	-	-
8.4.7. Deactivate/Activate Thrust Reversers TR: TO 78JG-30-1	*							-	-	-	-
8.4.8. Open and Close Fan Thrust Reverser Duct Assembly TR: TO 78JG-30-1	*							2b/-	-	-	-
8.4.9. Hydraulically Deploy and Stow Thrust Reversers TR: TO 78JG-30-1								-	-	-	-
8.4.10. Manually Deploy and Stow Fan Thrust Reverser TR: TO 78JG-30-1								-	-	-	-
8.4.11. Fan Trim Balance								-	-	-	-
8.4.12. Adjust Engine Oil Pressure TR: TO 79JG-20-1								-	-	-	-
8.5. EXIT GUIDE VANES TR: TO 72JG-00-1											
8.5.1. Remove								-	-	-	-
8.5.2. Inspect		*						-	-	-	-
8.5.3. Install								-	-	-	-
8.6. ENGINE CHIP DETECTORS TR: SSSN 79-36-10											
8.6.1. Remove	*							2b/-	-	-	-
8.6.2. Inspect	*							2b/-	-	-	-
8.6.3. Install	*							2b/-	-	-	-
8.7. 1ST STAGE FAN BLADES TR: SSSN 72-31-12											
8.7.1. Remove	*							2b/-	-	-	-
8.7.2. Inspect		*						2b/-	-	-	-
8.7.3. Install	*							2b/-	-	-	-
8.7.4. Blend/Repair		*						a	-	-	-
8.8. ENGINE REMOVAL and INSTALLATION IN AIRFRAME TR: TOs 1-1A-8, 2J-1-24, and Applicable Aircraft TOs											
8.8.1. Remove Engine								-	-	-	-
8.8.2. Install Engine								-	-	-	-
8.8.3. Service Engine								-	-	-	-
8.9. HYDRAULIC PUMPS											
8.9.1. Remove								-	-	-	-
8.9.2. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
8.10. ENGINE GEARBOX GARLOCK SEALS TR: SSSN 72-62-02											
8.10.1. Remove Engine Gearbox Garlock Seal								-	-	-	-
8.10.2. Inspect Engine Gearbox Garlock Seal								-	-	-	-
8.10.3. Install Engine Gearbox Garlock Seal								-	-	-	-
8.10.4. Engine Accessory Drive TR: SSSN 72-62-02											
8.10.4.1. Remove								-	-	-	-
8.10.4.2. Install								-	-	-	-
8.10.5. Oil Seal Assembly & Rotating Ring TR: SSSN 72-62-02											
8.10.5.1. Remove								-	-	-	-
8.10.5.2. Install								-	-	-	-
8.11. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
8.11.1. Installed Engine Run Certifying Official								-	-	-	-
8.11.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
8.11.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
8.11.4. Flexible Borescope Certifying Official								-	-	-	-
8.11.5. Engine Blade Blend Certifying Official								-	-	-	-
8.11.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
8.11.7. IPI by PAFSC and MDS								-	-	-	-
8.11.8. Red-X and/or IPI - Limited								-	-	-	-
8.11.9. Installed Engine Run by MDS								-	-	-	-
8.11.10. Engine Blade Blending								-	-	-	-
8.11.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
8.11.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
8.11.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
8.11.14. Engine Flexible Borescope Inspections								-	-	-	-
8.11.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
8.11.16. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 9

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on F119 engines.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

9.1. GENERAL ENGINE TR: Applicable Interactive Electronic Technical Manuals (IMIS/TOD)											
9.1.1. Constructional Features								-	-	-	-
9.1.2. Engine Systems								-	-	-	-
9.1.3. Engine Monitoring System								-	-	-	-
9.2. INTERACTIVE ELECTRONIC WORKSTATIONS AND TECHNICAL DATA (PMA, MSW, IMIS, TOD) TR: TO 00-5-1											
9.2.1. Portable Maintenance Aid (PMA)											
9.2.1.1. Principles								-	-	-	-
9.2.1.2. Use and Operation	*							-	-	-	-
9.2.2. Maintenance Support Workstation (MSW)											
9.2.2.1. Principles								-	-	-	-
9.2.2.2. Use and Operation	*							-	-	-	-
9.2.3. Integrated Maintenance Information System (IMIS)											
9.2.3.1. Principles								-	-	-	-
9.2.3.2. Use and Operation	*							-	-	-	-
9.2.4. Technical Order Data (TOD)											
9.2.4.1. Principles								-	-	-	-
9.2.4.2. Use and Operation	*							-	-	-	-
9.3. ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54, 1-1A-8, 2-1-111, and Applicable Interactive Electronic Technical Manuals (IMIS/TOD)											
9.3.1. Engine Harness											
9.3.1.1. Remove	*							-	-	-	-
9.3.1.2. Inspect		*						-	-	-	-
9.3.1.3. Install	*							-	-	-	-
9.3.2. Actuator Fuel Pump											
9.3.2.1. Remove	*							-	-	-	-
9.3.2.2. Inspect		*						-	-	-	-
9.3.2.3. Install	*							-	-	-	-
9.3.3. Main Fuel Pump											
9.3.3.1. Remove	*							-	-	-	-
9.3.3.2. Inspect		*						-	-	-	-
9.3.3.3. Install	*							-	-	-	-
9.3.4. Main Fuel Throttle Valve (MFTV)											
9.3.4.1. Remove								-	-	-	-
9.3.4.2. Inspect		*						-	-	-	-
9.3.4.3. Install								-	-	-	-
9.3.5. Main Fuel Throttle Valve (MFTV) Manifold											
9.3.5.1. Remove								-	-	-	-
9.3.5.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
9.3.5.3. Install								-	-	-	-
9.3.6. Augmenter Fuel Control											
9.3.6.1. Remove								-	-	-	-
9.3.6.2. Inspect								-	-	-	-
9.3.6.3. Install								-	-	-	-
9.3.7. Augmenter Fuel Control Manifold											
9.3.7.1. Remove								-	-	-	-
9.3.7.2. Inspect								-	-	-	-
9.3.7.3. Install								-	-	-	-
9.3.8. Fuel/Oil Cooler											
9.3.8.1. Remove								-	-	-	-
9.3.8.2. Inspect								-	-	-	-
9.3.8.3. Install								-	-	-	-
9.3.9. Fuel Filter											
9.3.9.1. Remove								-	-	-	-
9.3.9.2. Inspect								-	-	-	-
9.3.9.3. Install								-	-	-	-
9.3.10. Oil Filter											
9.3.10.1. Remove								-	-	-	-
9.3.10.2. Inspect								-	-	-	-
9.3.10.3. Install								-	-	-	-
9.3.11. Main Oil Pump											
9.3.11.1. Remove	*							-	-	-	-
9.3.11.2. Inspect		*						-	-	-	-
9.3.11.3. Install	*							-	-	-	-
9.3.12. Breather Pressurizing Valve											
9.3.12.1. Remove								-	-	-	-
9.3.12.2. Inspect								-	-	-	-
9.3.12.3. Install								-	-	-	-
9.3.13. Oil Flow Management Valve											
9.3.13.1. Remove	*							-	-	-	-
9.3.13.2. Inspect		*						-	-	-	-
9.3.13.3. Install	*							-	-	-	-
9.3.14. Multi-Port Service Adapter											
9.3.14.1. Remove	*							-	-	-	-
9.3.14.2. Inspect		*						-	-	-	-
9.3.14.3. Install	*							-	-	-	-
9.3.15. Rotor Generator											
9.3.15.1. Remove	*							-	-	-	-
9.3.15.2. Inspect		*						-	-	-	-
9.3.15.3. Install	*							-	-	-	-
9.3.16. Stator Generator											
9.3.16.1. Remove	*							-	-	-	-
9.3.16.2. Inspect		*						-	-	-	-
9.3.16.3. Install	*							-	-	-	-
9.3.17. Exciter Box											
9.3.17.1. Remove	*							-	-	-	-
9.3.17.2. Inspect		*						-	-	-	-
9.3.17.3. Install	*							-	-	-	-
9.3.18. Main Spark Igniter											
9.3.18.1. Remove	*							-	-	-	-
9.3.18.2. Inspect		*						-	-	-	-
9.3.18.3. Install	*							-	-	-	-
9.3.19. Augmenter Spark Igniter											
9.3.19.1. Remove	*							-	-	-	-
9.3.19.2. Inspect		*						-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
9.3.19.3. Install	*							-	-	-	-
9.3.20. Comprehensive Engine Diagnostic Unit (CEDU)											
9.3.20.1. Remove								-	-	-	-
9.3.20.2. Inspect								-	-	-	-
9.3.20.3. Install								-	-	-	-
9.3.21. Full Authority Digital Electronic Control (FADEC)											
9.3.21.1. Remove	*							-	-	-	-
9.3.21.2. Inspect								-	-	-	-
9.3.21.3. Install	*							-	-	-	-
9.3.22. Modulated Exhaust Cooling (MEC) Actuator											
9.3.22.1. Remove	*							-	-	-	-
9.3.22.2. Inspect		*						-	-	-	-
9.3.22.3. Install	*							-	-	-	-
9.3.23. Compressor Variable Vane (CVV) Actuator											
9.3.23.1. Remove								-	-	-	-
9.3.23.2. Inspect								-	-	-	-
9.3.23.3. Install								-	-	-	-
9.3.24. Fan Variable Vane (FVV) Actuator											
9.3.24.1. Remove								-	-	-	-
9.3.24.2. Inspect								-	-	-	-
9.3.24.3. Install								-	-	-	-
9.3.25. Anti-Ice Valve											
9.3.25.1. Remove								-	-	-	-
9.3.25.2. Inspect								-	-	-	-
9.3.25.3. Install								-	-	-	-
9.3.26. Fuel Air Heat Exchanger											
9.3.26.1. Remove	*							-	-	-	-
9.3.26.2. Inspect		*						-	-	-	-
9.3.26.3. Install	*							-	-	-	-
9.3.27. Air to Air Heat Exchanger											
9.3.27.1. Remove								-	-	-	-
9.3.27.2. Inspect		*						-	-	-	-
9.3.27.3. Install								-	-	-	-
9.3.28. Electro Hydraulic Servo Valve (EHSV)											
9.3.28.1. Remove								-	-	-	-
9.3.28.2. Inspect								-	-	-	-
9.3.28.3. Install								-	-	-	-
9.3.29. Linear Variable Displacement Transducer (LVDT)											
9.3.29.1. Remove								-	-	-	-
9.3.29.2. Inspect								-	-	-	-
9.3.29.3. Install								-	-	-	-
9.3.30. Pressure /Temperature Transducer											
9.3.30.1. Remove	*							-	-	-	-
9.3.30.2. Inspect		*						-	-	-	-
9.3.30.3. Install	*							-	-	-	-
9.3.31. Exhaust Gas Temperature (EGT) Thermocouple											
9.3.31.1. Remove								-	-	-	-
9.3.31.2. Inspect								-	-	-	-
9.3.31.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
9.3.32. Light Off Detector (LOD)											
9.3.32.1. Remove								-	-	-	-
9.3.32.2. Inspect								-	-	-	-
9.3.32.3. Install								-	-	-	-
9.3.33. Tt2											
9.3.33.1. Remove								-	-	-	-
9.3.33.2. Inspect								-	-	-	-
9.3.33.3. Install								-	-	-	-
9.3.34. Tt3											
9.3.34.1. Remove								-	-	-	-
9.3.34.2. Inspect								-	-	-	-
9.3.34.3. Install								-	-	-	-
9.3.35. N1 Sensor											
9.3.35.1. Remove	*							-	-	-	-
9.3.35.2. Inspect		*						-	-	-	-
9.3.35.3. Install	*							-	-	-	-
9.3.36. Engine Vibration Sensors											
9.3.36.1. Remove								-	-	-	-
9.3.36.2. Inspect								-	-	-	-
9.3.36.3. Install								-	-	-	-
9.3.37. Oil Debris Monitor											
9.3.37.1. Remove								-	-	-	-
9.3.37.2. Inspect								-	-	-	-
9.3.37.3. Install								-	-	-	-
9.3.38. Oil Level Sensor											
9.3.38.1. Remove								-	-	-	-
9.3.38.2. Inspect								-	-	-	-
9.3.38.3. Install								-	-	-	-
9.3.39. Oil Filter Differential Sensor											
9.3.39.1. Remove								-	-	-	-
9.3.39.2. Inspect								-	-	-	-
9.3.39.3. Install								-	-	-	-
9.3.40. Oil Pressure and Temperature Sensor											
9.3.40.1. Remove								-	-	-	-
9.3.40.2. Inspect								-	-	-	-
9.3.40.3. Install								-	-	-	-
9.3.41. Fuel Filter Differential Sensor											
9.3.41.1. Remove								-	-	-	-
9.3.41.2. Inspect								-	-	-	-
9.3.41.3. Install								-	-	-	-
9.3.42. Solenoid											
9.3.42.1. Remove								-	-	-	-
9.3.42.2. Inspect								-	-	-	-
9.3.42.3. Install								-	-	-	-
9.3.43. Reed Switch											
9.3.43.1. Remove								-	-	-	-
9.3.43.2. Inspect								-	-	-	-
9.3.43.3. Install								-	-	-	-
9.3.44. Gearbox											
9.3.44.1. Remove								-	-	-	-
9.3.44.2. Inspect								-	-	-	-
9.3.44.3. Install								-	-	-	-
9.3.45. Fan Inlet Case											
9.3.45.1. Remove								-	-	-	-
9.3.45.2. Inspect		*						-	-	-	-
9.3.45.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
9.3.46. Chip Detectors											
9.3.46.1. Remove								-	-	-	-
9.3.46.2. Inspect		*						-	-	-	-
9.3.46.3. Install								-	-	-	-
9.3.47. Inlet Fan Module											
9.3.47.1. Remove								-	-	-	-
9.3.47.2. Inspect		*						-	-	-	-
9.3.47.3. Install								-	-	-	-
9.3.47.4. Repair (Blend Blades)								-	-	-	-
9.3.47.5. Perform Compressor Wash								-	-	-	-
9.3.48. PTO Shaft											
9.3.48.1. Remove								-	-	-	-
9.3.48.2. Inspect		*						-	-	-	-
9.3.48.3. Install								-	-	-	-
9.3.49. Upper Fan Case											
9.3.49.1. Remove	*							-	-	-	-
9.3.49.2. Inspect		*						-	-	-	-
9.3.49.3. Install	*							-	-	-	-
9.3.50. No. 1 Bearing											
9.3.50.1. Remove								-	-	-	-
9.3.50.2. Inspect								-	-	-	-
9.3.50.3. Install								-	-	-	-
9.3.51. No. 5 Bearing											
9.3.51.1. Remove								-	-	-	-
9.3.51.2. Inspect								-	-	-	-
9.3.51.3. Install								-	-	-	-
9.3.52. Fan Duct											
9.3.52.1. Remove								-	-	-	-
9.3.52.2. Inspect								-	-	-	-
9.3.52.3. Install								-	-	-	-
9.3.53. Upper HPC Case											
9.3.53.1. Remove								-	-	-	-
9.3.53.2. Inspect								-	-	-	-
9.3.53.3. Install								-	-	-	-
9.3.54. Augmenter Duct											
9.3.54.1. Remove								-	-	-	-
9.3.54.2. Inspect								-	-	-	-
9.3.54.3. Install								-	-	-	-
9.3.55. Augmenter Liner											
9.3.55.1. Remove								-	-	-	-
9.3.55.2. Inspect		*						-	-	-	-
9.3.55.3. Install								-	-	-	-
9.3.56. Augmenter Spray Bar											
9.3.56.1. Remove								-	-	-	-
9.3.56.2. Inspect								-	-	-	-
9.3.56.3. Install								-	-	-	-
9.3.57. Turbine Exhaust Case											
9.3.57.1. Remove								-	-	-	-
9.3.57.2. Inspect		*						-	-	-	-
9.3.57.3. Install								-	-	-	-
9.3.57.4. Repair (Blend Case)											
9.3.58. Tail Cone											
9.3.58.1. Remove								-	-	-	-
9.3.58.2. Inspect		*						-	-	-	-
9.3.58.3. Install								-	-	-	-
9.3.58.4. Repair (Blend)								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
9.3.59. Flame holder											
9.3.59.1. Remove								-	-	-	-
9.3.59.2. Inspect		*						-	-	-	-
9.3.59.3. Install								-	-	-	-
9.3.59.4. Repair (Blend)								-	-	-	-
9.3.60. Augmenter Nozzle Module											
9.3.60.1. Remove	*							-	-	-	-
9.3.60.2. Inspect		*						-	-	-	-
9.3.60.3. Install	*							-	-	-	-
9.3.61. Air Transfer Tube Assembly											
9.3.61.1. Remove								-	-	-	-
9.3.61.2. Inspect								-	-	-	-
9.3.61.3. Install								-	-	-	-
9.3.62. Air Pump Assembly											
9.3.62.1. Remove								-	-	-	-
9.3.62.2. Inspect								-	-	-	-
9.3.62.3. Install								-	-	-	-
9.3.63. Air Pump Heat Shield Support											
9.3.63.1. Remove	*							-	-	-	-
9.3.63.2. Inspect		*						-	-	-	-
9.3.63.3. Install	*							-	-	-	-
9.3.63.4. Repair (Blend)								-	-	-	-
9.3.64. Sidewall Liners											
9.3.64.1. Remove	*							-	-	-	-
9.3.64.2. Inspect		*						-	-	-	-
9.3.64.3. Install	*							-	-	-	-
9.3.64.4. Repair (Blend)								-	-	-	-
9.3.65. External Segments											
9.3.65.1. Remove	*							-	-	-	-
9.3.65.2. Inspect		*						-	-	-	-
9.3.65.3. Install	*							-	-	-	-
9.3.66. Divergent Liners											
9.3.66.1. Remove	*							-	-	-	-
9.3.66.2. Inspect		*						-	-	-	-
9.3.66.3. Install	*							-	-	-	-
9.3.66.4. Repair (Blend)								-	-	-	-
9.3.67. Convergent Liners											
9.3.67.1. Remove	*							-	-	-	-
9.3.67.2. Inspect		*						-	-	-	-
9.3.67.3. Install	*							-	-	-	-
9.3.67.4. Repair (Blend)								-	-	-	-
9.3.68. Divergent Actuators											
9.3.68.1. Remove								-	-	-	-
9.3.68.2. Inspect								-	-	-	-
9.3.68.3. Install								-	-	-	-
9.3.69. Convergent Actuators											
9.3.69.1. Remove								-	-	-	-
9.3.69.2. Inspect								-	-	-	-
9.3.69.3. Install								-	-	-	-
9.3.70. Divergent Segments											
9.3.70.1. Remove	*							-	-	-	-
9.3.70.2. Inspect		*						-	-	-	-
9.3.70.3. Install	*							-	-	-	-
9.3.71. Convergent Segments											
9.3.71.1. Remove								-	-	-	-
9.3.71.2. Inspect		*						-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
9.3.71.3. Install								-	-	-	-
9.4. ENGINE REMOVAL AND INSTALLATION IN ENGINE SHIPPING SYSTEM (ESS)/ ENGINE TEST ADAPTER (ETA) TR: TOs 1-1A-8, 2J-1-24, and Applicable Interacive Electronic Technical Manuals											
9.4.1. Remove								-	-	-	-
9.4.2. Install								-	-	-	-
9.4.3. Fan Balance								-	-	-	-
9.5. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
9.5.1. Installed Engine Run Certifying Official								-	-	-	-
9.5.2. All Systems IPI (No Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
9.5.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
9.5.4. Flexible Borescope Certifying Official								-	-	-	-
9.5.5. Engine Blade Blend Certifying Official								-	-	-	-
9.5.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
9.5.7. IPI by PAFSC and MDS								-	-	-	-
9.5.8. Red-X and/or IPI - Limited								-	-	-	-
9.5.9. Installed Engine Run by MDS								-	-	-	-
9.5.10. Engine Blade Blending								-	-	-	-
9.5.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
9.5.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
9.5.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
9.5.14. Engine Flexible Borescope Inspections								-	-	-	-
9.5.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
9.5.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
9.5.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 10

NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on secondary power/APU/JFS units.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks identified by \*/R as core tasks are deferrable for ANG and AFRC until training capability becomes available.

NOTE 4: Tasks identified for 3 level training will only apply to applicable secondary power unit (e.g., AUXILIARY POWER UNIT will apply to course J3ABR2A631C048D, JET FUEL STARTER will apply to courses J3ABR2A631D049D, and both will apply to J3ABR2A631E050D).

10.1.	AUXILIARY POWER UNIT (APU)/JET FUEL STARTER (JFS)										
10.1.1.	Constructional Features							A	-	-	-
10.1.2.	Types and Operational Characteristics							A	-	-	-
10.1.3.	Perform APU Operational Checks							-	-	-	-
10.1.4.	APU Power Plant Operation							-	-	-	-
10.1.5.	On Aircraft							-	-	-	-
10.1.6.	Systems							-	-	-	-
10.2.	A-10/B-1/B-2 AUXILIARY POWER UNIT (APU)										
10.2.1.	APU										
10.2.1.1.	Remove							-	-	-	-
10.2.1.2.	Inspect							-	-	-	-
10.2.1.3.	Install							-	-	-	-
10.2.1.4.	Service							-	-	-	-
10.2.1.5.	Operate							-	-	-	-
10.2.2.	APU Fire Shield										
10.2.2.1.	Remove							-	-	-	-
10.2.2.2.	Inspect							-	-	-	-
10.2.2.3.	Install							-	-	-	-
10.2.3.	APU Fuel Control										
10.2.3.1.	Remove							-	-	-	-
10.2.3.2.	Inspect							-	-	-	-
10.2.3.3.	Install							-	-	-	-
10.2.4.	APU Pressure Relief Valve										
10.2.4.1.	Remove							-	-	-	-
10.2.4.2.	Inspect							-	-	-	-
10.2.4.3.	Install							-	-	-	-
10.2.5.	APU Oil Pump										
10.2.5.1.	Remove							-	-	-	-
10.2.5.2.	Inspect							-	-	-	-
10.2.5.3.	Install							-	-	-	-
10.2.6.	APU Clutch										
10.2.6.1.	Remove							-	-	-	-
10.2.6.2.	Inspect							-	-	-	-
10.2.6.3.	Install							-	-	-	-
10.2.7.	Fuel/Air Oil Cooler										
10.2.7.1.	Remove							-	-	-	-
10.2.7.2.	Inspect							-	-	-	-
10.2.7.3.	Install							-	-	-	-
10.2.8.	APU Load Control Valve										
10.2.8.1.	Remove							-	-	-	-
10.2.8.2.	Inspect							-	-	-	-
10.2.8.3.	Install							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.2.9. APU Surge Control Valve											
10.2.9.1. Remove								-	-	-	-
10.2.9.2. Inspect								-	-	-	-
10.2.9.3. Install								-	-	-	-
10.2.10. APU Inlet Guide Vane Actuator											
10.2.10.1. Remove								-	-	-	-
10.2.10.2. Inspect								-	-	-	-
10.2.10.3. Install								-	-	-	-
10.2.11. APU Permanent Magnetic Generator (PMG)											
10.2.11.1. Remove								-	-	-	-
10.2.11.2. Inspect								-	-	-	-
10.2.11.3. Install								-	-	-	-
10.2.12. APU Low Oil Pressure (LOP) Sensor/Switch											
10.2.12.1. Remove								-	-	-	-
10.2.12.2. Inspect								-	-	-	-
10.2.12.3. Install								-	-	-	-
10.2.13. APU Electronic Control Assembly/Unit (ECA, ECU)											
10.2.13.1. Remove								-	-	-	-
10.2.13.2. Inspect								-	-	-	-
10.2.13.3. Install								-	-	-	-
10.2.14. APU Fuel Solenoid Shutoff Valve											
10.2.14.1. Remove								-	-	-	-
10.2.14.2. Inspect								-	-	-	-
10.2.14.3. Install								-	-	-	-
10.2.15. APU Fuel Flow Divider Valve											
10.2.15.1. Remove								-	-	-	-
10.2.15.2. Inspect								-	-	-	-
10.2.16. APU Fuel Filter Element											
10.2.16.1. Remove								-	-	-	-
10.2.16.2. Inspect								-	-	-	-
10.2.16.3. Install								-	-	-	-
10.2.17. APU Oil Filter Element											
10.2.17.1. Remove								-	-	-	-
10.2.17.2. Inspect								-	-	-	-
10.2.17.3. Install								-	-	-	-
10.2.18. APU Start Motor (Hydraulic/Pneumatic/Electric)											
10.2.18.1. Remove								-	-	-	-
10.2.18.2. Inspect								-	-	-	-
10.2.18.3. Install								-	-	-	-
10.2.19. APU Ignition Unit											
10.2.19.1. Remove								-	-	-	-
10.2.19.2. Inspect								-	-	-	-
10.2.19.3. Install								-	-	-	-
10.2.20. APU Igniter Plug											
10.2.20.1. Remove								-	-	-	-
10.2.20.2. Inspect								-	-	-	-
10.2.20.3. Install								-	-	-	-
10.2.21. APU Generator											
10.2.21.1. Remove								-	-	-	-
10.2.21.2. Inspect								-	-	-	-
10.2.21.3. Install								-	-	-	-
10.2.22. APU Hydraulic Pump											
10.2.22.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.2.22.2. Inspect								-	-	-	-
10.2.22.3. Install								-	-	-	-
10.2.23. APU Combustion Can											
10.2.23.1. Remove								-	-	-	-
10.2.23.2. Inspect								-	-	-	-
10.2.23.3. Install								-	-	-	-
10.2.24. APU Cooling Fan											
10.2.24.1. Remove								-	-	-	-
10.2.24.2. Inspect								-	-	-	-
10.2.24.3. Install								-	-	-	-
10.2.25. Thermocouple											
10.2.25.1. Remove								-	-	-	-
10.2.25.2. Inspect								-	-	-	-
10.2.25.3. Install								-	-	-	-
10.2.26. Hour meter/Start Counter											
10.2.26.1. Remove								-	-	-	-
10.2.26.2. Inspect								-	-	-	-
10.2.26.3. Install								-	-	-	-
10.2.27. Pressure Vessel											
10.2.27.1. Remove								-	-	-	-
10.2.27.2. Inspect								-	-	-	-
10.2.27.3. Install								-	-	-	-
10.2.27.4. Service								-	-	-	-
10.2.28. Rupture Disc											
10.2.28.1. Remove								-	-	-	-
10.2.28.2. Install								-	-	-	-
10.2.29. Compressor											
10.2.29.1. Remove								-	-	-	-
10.2.29.2. Inspect								-	-	-	-
10.2.29.3. Install								-	-	-	-
10.2.30. Turbine Rotor											
10.2.30.1. Remove								-	-	-	-
10.2.30.2. Inspect								-	-	-	-
10.2.30.3. Install								-	-	-	-
10.2.31. Recharge Compressor Valve											
10.2.31.1. Remove								-	-	-	-
10.2.31.2. Inspect								-	-	-	-
10.2.31.3. Install								-	-	-	-
10.2.32. Air Turbine Starter											
10.2.32.1. Remove								-	-	-	-
10.2.32.2. Inspect								-	-	-	-
10.2.32.3. Install								-	-	-	-
10.2.33. Air Turbine Starter Control Valve											
10.2.33.1. Remove								-	-	-	-
10.2.33.2. Inspect								-	-	-	-
10.2.33.3. Install								-	-	-	-
10.2.34. A-10/B-1 Accessory Drive Gearbox (ADG)											
10.2.34.1. ADG Gearbox											
10.2.34.1.1. Remove								-	-	-	-
10.2.34.1.2. Inspect								-	-	-	-
10.2.34.1.3. Install								-	-	-	-
10.2.34.2. APU Generator Drive Pad Seal											
10.2.34.2.1. Remove								-	-	-	-
10.2.34.2.2. Inspect								-	-	-	-
10.2.34.2.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.2.34.3. APU Hydraulic Pump Drive Pad Seal											
10.2.34.3.1. Remove								-	-	-	-
10.2.34.3.2. Inspect								-	-	-	-
10.2.34.3.3. Install								-	-	-	-
10.2.34.4. ADG Torque Converter											
10.2.34.4.1. Remove								-	-	-	-
10.2.34.4.2. Inspect								-	-	-	-
10.2.34.4.3. Install								-	-	-	-
10.2.34.5. ADG High Oil Pressure Pump											
10.2.34.5.1. Remove								-	-	-	-
10.2.34.5.2. Inspect								-	-	-	-
10.2.34.5.3. Install								-	-	-	-
10.2.34.6. ADG Low Oil Pressure Pump											
10.2.34.6.1. Remove								-	-	-	-
10.2.34.6.2. Inspect								-	-	-	-
10.2.34.6.3. Install								-	-	-	-
10.2.34.7. ADG/Sprag Clutch											
10.2.34.7.1. Remove								-	-	-	-
10.2.34.7.2. Inspect								-	-	-	-
10.2.34.7.3. Install								-	-	-	-
10.2.34.8. ADG Low Oil Pressure Sensor											
10.2.34.8.1. Remove								-	-	-	-
10.2.34.8.2. Inspect								-	-	-	-
10.2.34.8.3. Install								-	-	-	-
10.2.34.9. ADG High Oil Temperature Sensor											
10.2.34.9.1. Remove								-	-	-	-
10.2.34.9.2. Inspect								-	-	-	-
10.2.34.9.3. Install								-	-	-	-
10.2.34.10. ADG Speed Sensor											
10.2.34.10.1. Remove								-	-	-	-
10.2.34.10.2. Inspect								-	-	-	-
10.2.34.10.3. Install								-	-	-	-
10.2.34.11. ADG Thermostatic Bypass Valve											
10.2.34.11.1. Remove								-	-	-	-
10.2.34.11.2. Inspect								-	-	-	-
10.2.34.11.3. Install								-	-	-	-
10.2.34.12. ADG Oil Filter Element											
10.2.34.12.1. Remove								-	-	-	-
10.2.34.12.2. Inspect								-	-	-	-
10.2.34.12.3. Install								-	-	-	-
10.2.34.13. ADG Gearbox Pressure Relief Valve											
10.2.34.13.1. Remove								-	-	-	-
10.2.34.13.2. Inspect								-	-	-	-
10.2.34.13.3. Install								-	-	-	-
10.2.34.14. ADG Pressure Regulator Valve											
10.2.34.14.1. Remove								-	-	-	-
10.2.34.14.2. Inspect								-	-	-	-
10.2.34.14.3. Install								-	-	-	-
10.2.34.15. ADG Lube Control Module Assembly											
10.2.34.15.1. Remove								-	-	-	-
10.2.34.15.2. Inspect								-	-	-	-
10.2.34.15.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.2.34.16. Engine to ADG PTO Shaft											
10.2.34.16.1. Remove								-	-	-	-
10.2.34.16.2. Inspect								-	-	-	-
10.2.34.16.3. Install								-	-	-	-
10.2.34.17. Engine to ADG PTO Shaft Speed Sensor											
10.2.34.17.1. Remove								-	-	-	-
10.2.34.17.2. Inspect								-	-	-	-
10.2.34.17.3. Install								-	-	-	-
10.2.34.18. APU to ADG PTO Shaft											
10.2.34.18.1. Remove								-	-	-	-
10.2.34.18.2. Inspect								-	-	-	-
10.2.34.18.3. Install								-	-	-	-
10.2.34.19. APU to ADG PTO Shaft Speed Sensor											
10.2.34.19.1. Remove								-	-	-	-
10.2.34.19.2. Inspect								-	-	-	-
10.2.34.19.3. Install								-	-	-	-
10.2.35. Secondary Power/APU Test Stand Operation											
10.2.35.1. Engine Testing								-	-	-	-
10.2.35.2. Pre-Operational Checks in Test Stand								-	-	-	-
10.2.35.3. Operational Checks of Engine Test Stand								-	-	-	-
10.2.35.4. Engine Performance								-	-	-	-
10.2.35.5. Engine System Components Adjustment								-	-	-	-
10.2.35.6. Post-Operational Checks in Test Stand								-	-	-	-
10.2.35.7. System and Component Troubleshooting								-	-	-	-
10.2.35.8. Test Stand Operation and Maintenance								-	-	-	-
10.2.35.9. Remove/Install Engine on Test Stand								-	-	-	-
10.2.35.10. Perform Ground Observer/Fireguard Duties								-	-	-	-
10.3. KC-46 AUXILIARY POWER UNITS (APU), MAINTENANCE TR: TO 49-00-00											
10.3.1. Operating Principles								-	-	-	-
10.3.2. General											
10.3.2.1. Perform Preliminary Maintenance Procedures								-	-	-	-
10.3.2.2. APU Oil System Servicing	*							-	-	-	-
10.3.2.3. APU Inlet Door and Actuation System Operational Checkout								-	-	-	-
10.3.2.4. APU BITE Procedure – Built In Test (BIT) Operation	*							-	-	-	-
10.3.2.5. APU Inlet Door and Actuation System Operational Checkout								-	-	-	-
10.3.2.6. APU Start, Operation, Shutdown Procedures								-	-	-	-
10.3.2.7. APU Air Intake System Test								-	-	-	-
10.3.2.8. APU Manually turn the engine								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.3.2.9. APU Inlet Guide Vane Actuator Operational Test								-	-	-	-
10.3.3. Auxiliary Power Unit (APU)											
10.3.3.1. Remove	*							-	-	-	-
10.3.3.2. Inspect								-	-	-	-
10.3.3.3. Install	*							-	-	-	-
10.3.4. APU Access Doors											
10.3.4.1. Remove								-	-	-	-
10.3.4.2. Inspect								-	-	-	-
10.3.4.3. Install								-	-	-	-
10.3.4.4. Open/Close Access Doors								-	-	-	-
10.3.5. APU Mount Links											
10.3.5.1. Remove								-	-	-	-
10.3.5.2. Inspect								-	-	-	-
10.3.5.3. Install								-	-	-	-
10.3.6. APU Fuel control											
10.3.6.1. Remove								-	-	-	-
10.3.6.2. Inspect								-	-	-	-
10.3.6.3. Install								-	-	-	-
10.3.7. APU Fuel Control Filter											
10.3.7.1. Remove								-	-	-	-
10.3.7.2. Inspect								-	-	-	-
10.3.7.3. Install								-	-	-	-
10.3.8. APU Fuel Control – Fuel Flow Divider											
10.3.8.1. Remove								-	-	-	-
10.3.8.2. Inspect								-	-	-	-
10.3.8.3. Install								-	-	-	-
10.3.9. Fuel Nozzle Assembly											
10.3.9.1. Remove								-	-	-	-
10.3.9.2. Inspect								-	-	-	-
10.3.9.3. Install								-	-	-	-
10.3.10. APU Primary Fuel Manifold Assembly											
10.3.10.1. Remove								-	-	-	-
10.3.10.2. Inspect								-	-	-	-
10.3.10.3. Install								-	-	-	-
10.3.11. APU Secondary Fuel Manifold Assembly											
10.3.11.1. Remove								-	-	-	-
10.3.11.2. Inspect								-	-	-	-
10.3.11.3. Install								-	-	-	-
10.3.12. APU Lube Oil Filter Element											
10.3.12.1. Remove								-	-	-	-
10.3.12.2. Inspect								-	-	-	-
10.3.12.3. Install								-	-	-	-
10.3.13. APU Generator Scavenge Filter Element											
10.3.13.1. Remove								-	-	-	-
10.3.13.2. Inspect								-	-	-	-
10.3.13.3. Install								-	-	-	-
10.3.14. APU Generator Scavenge Delta Pressure Switch											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.3.14.1. Remove								-	-	-	-
10.3.14.2. Install								-	-	-	-
10.3.15. APU Lube Scavenge Delta Pressure Switch											
10.3.15.1 Remove								-	-	-	-
10.3.15.2. Install								-	-	-	-
10.3.16. APU Oil Quantity Transmitter											
10.3.16.1. Remove								-	-	-	-
10.3.16.2. Inspect								-	-	-	-
10.3.16.3. Install								-	-	-	-
10.3.17. APU Low Oil Pressure Switch											
10.3.17.1. Remove								-	-	-	-
10.3.17.2. Inspect								-	-	-	-
10.3.17.3. Install								-	-	-	-
10.3.18. APU Oil Temperature Sensor											
10.3.18.1. Remove								-	-	-	-
10.3.18.2. Install								-	-	-	-
10.3.19. APU Oil Lube Module (Pump)											
10.3.19.1. Remove								-	-	-	-
10.3.19.2. Inspect								-	-	-	-
10.3.19.3. Install								-	-	-	-
10.3.20. APU Oil Cooler											
10.3.20.1. Remove								-	-	-	-
10.3.20.2. Inspect/Clean								-	-	-	-
10.3.20.3. Install								-	-	-	-
10.3.21. APU Magnetic Chip Collector/Drain Plug											
10.3.21.1. Remove	*							-	-	-	-
10.3.21.2. Inspect/Clean	*							-	-	-	-
10.3.21.3. Install	*							-	-	-	-
10.3.22. APU Lube Pump Bypass Solenoid											
10.3.22.1. Remove								-	-	-	-
10.3.22.2. Install								-	-	-	-
10.3.23. APU Generator Seal Plate											
10.3.23.1. Remove								-	-	-	-
10.3.23.2. Inspect								-	-	-	-
10.3.23.3. Install								-	-	-	-
10.3.24. APU Generator											
10.3.24.1. Remove								-	-	-	-
10.3.24.2. Inspect								-	-	-	-
10.3.24.3. Install								-	-	-	-
10.3.25. APU Exhaust Duct Muffler											
10.3.25.1. Remove								-	-	-	-
10.3.25.2. Inspect								-	-	-	-
10.3.25.3. Install								-	-	-	-
10.3.26. APU Exhaust Duct Support Seal											
10.3.26.1. Removal								-	-	-	-
10.3.26.2. Install								-	-	-	-
10.3.27. APU Exhaust Duct Muffler Insulation Blanket											
10.3.27.1. Removal								-	-	-	-
10.3.27.2. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.3.28. APU Air Intake (Inlet) Door											
10.3.28.1. Remove								-	-	-	-
10.3.28.2. Install								-	-	-	-
10.3.29. APU Intake (Inlet) Door Actuator											
10.3.29.1. Remove								-	-	-	-
10.3.29.2. Install								-	-	-	-
10.3.30. APU EGT Thermocouple											
10.3.30.1. Remove								-	-	-	-
10.3.30.2. Inspect								-	-	-	-
10.3.30.3. Install								-	-	-	-
10.3.31. APU Starter Motor											
10.3.31.1. Remove	*							-	-	-	-
10.3.31.2. Inspect	*							-	-	-	-
10.3.31.3. Install	*							-	-	-	-
10.3.32. APU Ignition Unit (Exciter)											
10.3.32.1. Remove								-	-	-	-
10.3.32.2. Install								-	-	-	-
10.3.33. APU Igniter Plug											
10.3.33.1. Remove								-	-	-	-
10.3.33.2. Inspect/Clean								-	-	-	-
10.3.33.3. Install								-	-	-	-
10.3.34. APU Ignition Lead											
10.3.34.1. Remove								-	-	-	-
10.3.34.2. Inspect/Clean								-	-	-	-
10.3.34.3. Install								-	-	-	-
10.3.35. APU Starter Clutch											
10.3.35.1. Remove								-	-	-	-
10.3.35.2. Inspect								-	-	-	-
10.3.35.3. Install								-	-	-	-
10.3.36. APU Crank Contactor											
10.3.36.1. Remove								-	-	-	-
10.3.36.2. Install								-	-	-	-
10.3.37. APU Combustor Drain											
10.3.37.1. Remove								-	-	-	-
10.3.37.2. Inspect/Clean								-	-	-	-
10.3.37.3. Install								-	-	-	-
10.3.38. APU Plenum Drain											
10.3.38.1. Inspect								-	-	-	-
10.3.39. APU Inlet Guide Vane Actuator											
10.3.39.1. Remove	*							-	-	-	-
10.3.39.2. Install	*							-	-	-	-
10.3.40. APU Cooling Fan Assembly											
10.3.40.1. Remove								-	-	-	-
10.3.40.2. Inspect								-	-	-	-
10.3.40.3. Install								-	-	-	-
10.3.41. APU Oil Cooling Air Duct											
10.3.41.1. Remove								-	-	-	-
10.3.41.2. Install								-	-	-	-
10.3.42. APU Fire Detector Element (Fire Loop)											
10.3.42.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.3.42.2. Inspect								-	-	-	-
10.3.42.3. Install								-	-	-	-
10.3.43. APU Inlet Speed Sensor											
10.3.43.1. Remove								-	-	-	-
10.3.43.2. Install								-	-	-	-
10.3.44. APU Inlet Temperature Sensor											
10.3.44.1. Remove								-	-	-	-
10.3.44.2. Install								-	-	-	-
10.3.45. APU Electronic Control Unit											
10.3.45.1. Remove	*							-	-	-	-
10.3.45.2. Install	*							-	-	-	-
10.3.46. APU Data Memory Module											
10.3.46.1. Remove								-	-	-	-
10.3.46.2. Install								-	-	-	-
10.3.47. APU Surge Valve Control											
10.3.47.1. Remove								-	-	-	-
10.3.47.2. Install								-	-	-	-
10.3.48. APU Flow Module Sensing											
10.3.48.1. Remove								-	-	-	-
10.3.48.2. Install								-	-	-	-
10.3.49. APU Total Pressure Sensor											
10.3.49.1. Remove								-	-	-	-
10.3.49.2. Install								-	-	-	-
10.3.50. APU Delta Pressure Sensor											
10.3.50.1. Remove								-	-	-	-
10.3.50.2. Install								-	-	-	-
10.3.51. APU Inlet Pressure Sensor											
10.3.51.1. Remove								-	-	-	-
10.3.51.2. Install								-	-	-	-
10.3.52. APU Total Pressure Probe											
10.3.52.1. Remove								-	-	-	-
10.3.52.2. Install								-	-	-	-
10.3.53. APU Three-Way Pneumatic Duct											
10.3.53.1. Remove								-	-	-	-
10.3.53.2. Install								-	-	-	-
10.3.54. APU Surge Control Duct											
10.3.54.1. Remove								-	-	-	-
10.3.54.2. Install								-	-	-	-
10.4. C-17 AUXILIARY POWER UNITS (APU), MAINTENANCE											
10.4.1. Operating Principles								-	-	-	-
10.4.2. General											
10.4.2.1. Perform Preliminary Maintenance Procedures								-	-	-	-
10.4.2.2. Auxiliary Power Unit (APU)								-	-	-	-
10.4.2.3. Remove								-	-	-	-
10.4.2.4. Install								-	-	-	-
10.4.2.5. APU Oil System Servicing								-	-	-	-
10.4.2.6. APU Inlet Door and Actuation System Operational Checkout								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.4.3. APU Access Doors											
10.4.3.1. Remove								-	-	-	-
10.4.3.2. Install								-	-	-	-
10.4.4. APU Mount Link											
10.4.4.1. Remove								-	-	-	-
10.4.4.2. Install								-	-	-	-
10.4.5. APU Start and Control Panel											
10.4.5.1. Remove								-	-	-	-
10.4.5.2. Install								-	-	-	-
10.4.6. APU Generator Scavenge Magnetic Drain Plug											
10.4.6.1. Remove								-	-	-	-
10.4.6.2. Inspect								-	-	-	-
10.4.6.3. Install								-	-	-	-
10.4.7. Generator											
10.4.7.1. Remove								-	-	-	-
10.4.7.2. Install								-	-	-	-
10.4.8. Fuel control											
10.4.8.1. Remove								-	-	-	-
10.4.8.2. Inspect								-	-	-	-
10.4.8.3. Install								-	-	-	-
10.4.9. Fuel Control Filter											
10.4.9.1. Remove								-	-	-	-
10.4.9.2. Inspect								-	-	-	-
10.4.9.3. Install								-	-	-	-
10.4.10. APU Fuel Control Filter Differential Pressure Switch											
10.4.10.1. Remove								-	-	-	-
10.4.10.2. Inspect								-	-	-	-
10.4.10.3. Install								-	-	-	-
10.4.11. Fuel Nozzle Assembly											
10.4.11.1. Remove								-	-	-	-
10.4.11.2. Install								-	-	-	-
10.4.12. APU Primary Fuel Manifold Assembly											
10.4.12.1. Remove								-	-	-	-
10.4.12.2. Inspect								-	-	-	-
10.4.12.3. Install								-	-	-	-
10.4.13. APU Secondary Fuel Manifold Assembly											
10.4.13.1. Remove								-	-	-	-
10.4.13.2. Inspect								-	-	-	-
10.4.13.3. Install								-	-	-	-
10.4.14. Oil Temperature/Pressure Switch											
10.4.14.1. Remove								-	-	-	-
10.4.14.2. Install								-	-	-	-
10.4.15. Oil Filter Element											
10.4.15.1. Remove								-	-	-	-
10.4.15.2. Inspect								-	-	-	-
10.4.15.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.4.16. APU Oil Temperature Sensor (Temp Bulb)											
10.4.16.1. Remove								-	-	-	-
10.4.16.2. Install								-	-	-	-
10.4.17. APU Oil Filter Delta Pressure Switch											
10.4.17.1. Remove								-	-	-	-
10.4.17.2. Install								-	-	-	-
10.4.18. APU Oil Liquid Level Gauge											
10.4.18.1. Remove								-	-	-	-
10.4.18.2. Install								-	-	-	-
10.4.19. APU Oil Level Switch											
10.4.19.1. Remove								-	-	-	-
10.4.19.2. Install								-	-	-	-
10.4.20. APU De-Oil Solenoid Valve											
10.4.20.1. Remove								-	-	-	-
10.4.20.2. Install								-	-	-	-
10.4.21. APU Generator Scavenge Oil Pump											
10.4.21.1. Remove								-	-	-	-
10.4.21.2. Install								-	-	-	-
10.4.22. APU Magnetic Drain Plug Assembly											
10.4.22.1. Remove								-	-	-	-
10.4.22.2. Inspect								-	-	-	-
10.4.22.3. Install								-	-	-	-
10.4.23. APU Oil Filler Cap and Adapter Assembly											
10.4.23.1. Remove								-	-	-	-
10.4.23.2. Install								-	-	-	-
10.4.24. Pneumatic Ducting											
10.4.24.1. Remove								-	-	-	-
10.4.24.2. Install								-	-	-	-
10.4.25. APU Exhaust Deflector											
10.4.25.1. Remove								-	-	-	-
10.4.25.2. Install								-	-	-	-
10.4.26. APU Exhaust Duct											
10.4.26.1. Remove								-	-	-	-
10.4.26.2. Install								-	-	-	-
10.4.27. APU T-Duct Assembly											
10.4.27.1. Remove								-	-	-	-
10.4.27.2. Install								-	-	-	-
10.4.28. "4.0" Surge Valve											
10.4.28.1. Remove	*							-	-	-	-
10.4.28.2. Install	*							-	-	-	-
10.4.29. "4.5" Load Valve											
10.4.29.1. Remove	*							-	-	-	-
10.4.29.2. Install	*							-	-	-	-
10.4.30. "4.0" Surge Valve Air Filter											
10.4.30.1. Remove								-	-	-	-
10.4.30.2. Install								-	-	-	-
10.4.31. EGT Thermocouple											
10.4.31.1. Remove								-	-	-	-
10.4.31.2. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.4.32. Fire Detector Assembly											
10.4.32.1. Remove								-	-	-	-
10.4.32.2. Install								-	-	-	-
10.4.33. Ignition Exciter											
10.4.33.1. Remove								-	-	-	-
10.4.33.2. Install								-	-	-	-
10.4.34. Igniter Plug											
10.4.34.1. Remove	*							-	-	-	-
10.4.34.2. Install	*							-	-	-	-
10.4.35. Igniter Lead											
10.4.35.1. Remove	*							-	-	-	-
10.4.35.2. Install	*							-	-	-	-
10.4.36. Air Inlet Doors											
10.4.36.1. Remove								-	-	-	-
10.4.36.2. Install								-	-	-	-
10.4.36.3. APU Inlet Door and Actuation System Operational Checkout								-	-	-	-
10.4.37. Inlet Door Actuator											
10.4.37.1. Remove	*							-	-	-	-
10.4.37.2. Install		*						-	-	-	-
10.4.38. APU Inlet Door Open Proximity Sensor											
10.4.38.1. Remove								-	-	-	-
10.4.38.2. Install								-	-	-	-
10.4.38.3. Adjust								-	-	-	-
10.4.39. Starter Clutch											
10.4.39.1. Remove								-	-	-	-
10.4.39.2. Install								-	-	-	-
10.4.40. Starter Motor											
10.4.40.1. Remove	*							-	-	-	-
10.4.40.2. Inspect								-	-	-	-
10.4.40.3. Install	*							-	-	-	-
10.4.41. Lube Pump											
10.4.41.1. Remove								-	-	-	-
10.4.41.2. Install								-	-	-	-
10.4.42. Fuel Flow Divider Valve Assembly											
10.4.42.1. Remove								-	-	-	-
10.4.42.2. Install								-	-	-	-
10.4.43. Combustion Case Drain Valve											
10.4.43.1. Remove								-	-	-	-
10.4.43.2. Install								-	-	-	-
10.4.44. APU Inlet Guide Vane Actuator											
10.4.44.1. Remove	*							-	-	-	-
10.4.44.2. Install	*							-	-	-	-
10.4.45. Cooling Fan Assembly											
10.4.45.1. Remove								-	-	-	-
10.4.45.2. Install								-	-	-	-
10.4.46. Inlet Pressure (P2) Sensor											
10.4.46.1. Remove								-	-	-	-
10.4.46.2. Install								-	-	-	-
10.4.47. Inlet Temperature (T2) Sensor											
10.4.47.1. Remove								-	-	-	-
10.4.47.2. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.4.48. Motional Transducer Assembly											
10.4.48.1. Remove								-	-	-	-
10.4.48.2. Install								-	-	-	-
10.4.49. APU Transducer Assembly (Surge Control Pallet)											
10.4.49.1. Remove	*							-	-	-	-
10.4.49.2. Install	*							-	-	-	-
10.4.50. Oil Temp. Regulator (Oil Cooler)											
10.4.50.1. Remove								-	-	-	-
10.4.50.2. Install								-	-	-	-
10.4.51. Generator Filter Press. Reg. Valve											
10.4.51.1. Remove								-	-	-	-
10.4.51.2. Install								-	-	-	-
10.4.52. Generator Filter Element											
10.4.52.1. Remove								-	-	-	-
10.4.52.2. Inspect								-	-	-	-
10.4.52.3. Install								-	-	-	-
10.4.53. Electronic Control Unit											
10.4.53.1. Operate	*							-	-	-	-
10.4.53.2. Remove	*							-	-	-	-
10.4.53.3. Install	*							-	-	-	-
10.4.54. Power Plant											
10.4.54.1. Operate								-	-	-	-
10.5. CV-22 AUXILIARY POWER UNIT (APU) TR: T.O. 1V-22(C)B-2-DB-1											
10.5.1. APU Maintenance											
10.5.1.1. APU											
10.5.1.1.1. Remove								-	-	-	-
10.5.1.1.2. Install								-	-	-	-
10.5.1.1.3. Inspect								-	-	-	-
10.5.1.2. APU Main Fuel Nozzle											
10.5.1.2.1. Remove								-	-	-	-
10.5.1.2.2. Inspect								-	-	-	-
10.5.1.2.3. Install								-	-	-	-
10.5.1.3. APU Start Fuel Nozzle											
10.5.1.3.1. Remove								-	-	-	-
10.5.1.3.2. Inspect								-	-	-	-
10.5.1.3.3. Install								-	-	-	-
10.5.1.4. APU Fuel Control Assembly											
10.5.1.4.1. Remove								-	-	-	-
10.5.1.4.2. Inspect								-	-	-	-
10.5.1.4.3. Install								-	-	-	-
10.5.1.5. APU Fuel Block Assembly											
10.5.1.5.1. Remove								-	-	-	-
10.5.1.5.2. Inspect								-	-	-	-
10.5.1.5.3. Install								-	-	-	-
10.5.1.6. APU Fuel Differential Pressure Switch											
10.5.1.6.1. Remove								-	-	-	-
10.5.1.6.2. Inspect								-	-	-	-
10.5.1.6.3. Install								-	-	-	-
10.5.1.7. APU Fuel Filter											
10.5.1.7.1. Remove								-	-	-	-
10.5.1.7.2. Inspect								-	-	-	-
10.5.1.7.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.5.1.8. APU Igniter											
10.5.1.8.1. Remove								-	-	-	-
10.5.1.8.2. Inspect								-	-	-	-
10.5.1.8.3. Install								-	-	-	-
10.5.1.9. APU Ignition Exciter											
10.5.1.9.1. Remove								-	-	-	-
10.5.1.9.2. Inspect								-	-	-	-
10.5.1.9.3. Install								-	-	-	-
10.5.1.10. APU Starter Motor											
10.5.1.10.1. Remove								-	-	-	-
10.5.1.10.2. Inspect								-	-	-	-
10.5.1.10.3. Install								-	-	-	-
10.5.1.11. APU Thermocouple											
10.5.1.11.1. Remove								-	-	-	-
10.5.1.11.2. Inspect								-	-	-	-
10.5.1.11.3. Install								-	-	-	-
10.5.1.12. APU Rotor Speed Sensor											
10.5.1.12.1. Remove								-	-	-	-
10.5.1.12.2. Inspect								-	-	-	-
10.5.1.12.3. Install								-	-	-	-
10.5.1.13. APU Driven Speed Sensor											
10.5.1.13.1. Remove								-	-	-	-
10.5.1.13.2. Inspect								-	-	-	-
10.5.1.13.3. Install								-	-	-	-
10.5.1.14. APU Event Monitor Unit Assembly (EMU)											
10.5.1.14.1. Remove								-	-	-	-
10.5.1.14.2. Inspect								-	-	-	-
10.5.1.14.3. Install								-	-	-	-
10.5.1.15. APU Oil Pump											
10.5.1.15.1. Remove								-	-	-	-
10.5.1.15.2. Inspect								-	-	-	-
10.5.1.15.3. Install								-	-	-	-
10.5.1.16. APU Oil PCD Heat Exchanger											
10.5.1.16.1. Remove								-	-	-	-
10.5.1.16.2. Inspect								-	-	-	-
10.5.1.16.3. Install								-	-	-	-
10.5.1.17. APU Oil Cooler Assembly											
10.5.1.17.1. Remove								-	-	-	-
10.5.1.17.2. Inspect								-	-	-	-
10.5.1.17.3. Install								-	-	-	-
10.5.1.18. APU Magnetic Chip Collector											
10.5.1.18.1. Remove								-	-	-	-
10.5.1.18.2. Inspect								-	-	-	-
10.5.1.18.3. Install								-	-	-	-
10.5.1.19. APU Chip Detector											
10.5.1.19.1. Remove								-	-	-	-
10.5.1.19.2. Inspect								-	-	-	-
10.5.1.19.3. Install								-	-	-	-
10.5.1.20. APU Oil Filter											
10.5.1.20.1. Remove								-	-	-	-
10.5.1.20.2. Inspect								-	-	-	-
10.5.1.20.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.5.1.21. APU Gearbox Oil Level Switch											
10.5.1.21.1. Remove								-	-	-	-
10.5.1.21.2. Inspect								-	-	-	-
10.5.1.21.3. Install								-	-	-	-
10.5.1.22. APU Clutch Servo Valve Assembly											
10.5.1.22.1. Remove								-	-	-	-
10.5.1.22.2. Inspect								-	-	-	-
10.5.1.22.3. Install								-	-	-	-
10.5.1.23. APU Removal and Installation in Air Frame											
10.5.1.23.1. Remove								-	-	-	-
10.5.1.23.2. Inspect								-	-	-	-
10.5.1.23.3. Install								-	-	-	-
10.5.1.23.4. Service								-	-	-	-
10.5.2. Aircraft Installed APU Testing											
10.5.2.1. Perform Pre-Operational Checks								-	-	-	-
10.5.2.2. Perform Operational Checks								-	-	-	-
10.5.2.3. Perform Post-Operational Checks								-	-	-	-
10.5.2.4. Observe Safety and Ground Procedures								-	-	-	-
10.6. KC-10/E-4B SMALL GAS TURBINE (SGT) ENGINES, TR: T.O. 1C-10(K)A-4-49 1E-4B-2-49											
10.6.1. Auxiliary Power Units (APU), Operating Principles											
10.6.1.1. Auxiliary Power Unit (APU)								-	-	-	-
10.6.1.2. Oil System								-	-	-	-
10.6.1.3. Fuel System								-	-	-	-
10.6.1.4. Electrical System								-	-	-	-
10.6.1.5. Pneumatic System								-	-	-	-
10.6.1.6. Enclosure								-	-	-	-
10.6.1.7. Inlet Door and Actuation System								-	-	-	-
10.6.1.8. Perform APU/QSAS Checks (Including Pre-ISO)								-	-	-	-
10.6.2. KC-10/E-4B Auxiliary Power Units (APU), Engine Maintenance											
10.6.2.1. APU											
10.6.2.1.1. Remove								-	-	-	-
10.6.2.1.2. Inspect								-	-	-	-
10.6.2.1.3. Install								-	-	-	-
10.6.2.1.4. Service	*							-	-	-	-
10.6.2.2. APU Mounts (E-4B Only)											
10.6.2.2.1. Remove											
10.6.2.2.2. Inspect											
10.6.2.2.3. Install											
10.6.2.3. Generator											
10.6.2.3.1. Remove								-	-	-	-
10.6.2.3.2. Inspect								-	-	-	-
10.6.2.3.3. Install								-	-	-	-
10.6.2.3.4. Service (KC-10 Only)	*							-	-	-	-
10.6.2.4. Fuel Control											
10.6.2.4.1. Remove								-	-	-	-
10.6.2.4.2. Inspect								-	-	-	-
10.6.2.4.3. Install								-	-	-	-
10.6.2.4.4. Adjust								-	-	-	-
10.6.2.5. Fuel Filter Element											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
10.6.2.5.1. Remove	*							-	-	-	-	
10.6.2.5.2. Inspect	*							-	-	-	-	
10.6.2.5.3. Install	*							-	-	-	-	
10.6.2.6. Fuel Nozzle Assembly												
10.6.2.6.1. Remove								-	-	-	-	
10.6.2.6.2. Inspect								-	-	-	-	
10.6.2.6.3. Install								-	-	-	-	
10.6.2.7. Start/Servo Fuel Solenoid Valve												
10.6.2.7.1. Remove								-	-	-	-	
10.6.2.7.2. Inspect								-	-	-	-	
10.6.2.7.3. Install								-	-	-	-	
10.6.2.8. Oil Temperature/Pressure Switch												
10.6.2.8.1. Remove								-	-	-	-	
10.6.2.8.2. Inspect								-	-	-	-	
10.6.2.8.3. Install								-	-	-	-	
10.6.2.9. Oil Filter Element												
10.6.2.9.1. Remove	*							-	-	-	-	
10.6.2.9.2. Inspect	*							-	-	-	-	
10.6.2.9.3. Install	*							-	-	-	-	
10.6.2.10. Pneumatic Ducting												
10.6.2.10.1. Remove								-	-	-	-	
10.6.2.10.2. Inspect								-	-	-	-	
10.6.2.10.3. Install								-	-	-	-	
10.6.2.11. Pneumatic Control Valve(S)												
10.6.2.11.1. Remove								-	-	-	-	
10.6.2.11.2. Inspect								-	-	-	-	
10.6.2.11.3. Install								-	-	-	-	
10.6.2.12. EGT Thermocouple												
10.6.2.12.1. Remove								-	-	-	-	
10.6.2.12.2. Inspect								-	-	-	-	
10.6.2.12.3. Install								-	-	-	-	
10.6.2.13. Ignition Exciter												
10.6.2.13.1. Remove								-	-	-	-	
10.6.2.13.2. Inspect								-	-	-	-	
10.6.2.13.3. Install								-	-	-	-	
10.6.2.14. Air Inlet Doors												
10.6.2.14.1. Remove								-	-	-	-	
10.6.2.14.2. Inspect								-	-	-	-	
10.6.2.14.3. Install								-	-	-	-	
10.6.2.15. Inlet Door Actuator												
10.6.2.15.1. Remove								-	-	-	-	
10.6.2.15.2. Inspect								-	-	-	-	
10.6.2.15.3. Install								-	-	-	-	
10.6.2.16. Starter												
10.6.2.16.1. Remove	*							-	-	-	-	
10.6.2.16.2. Inspect								-	-	-	-	
10.6.2.16.3. Install	*							-	-	-	-	
10.6.2.17. Clutch/Paw Carrier												
10.6.2.17.1. Remove								-	-	-	-	
10.6.2.17.2. Inspect								-	-	-	-	
10.6.2.17.3. Install								-	-	-	-	
10.6.2.18. Oil Pump												
10.6.2.18.1. Remove								-	-	-	-	
10.6.2.18.2. Inspect								-	-	-	-	
10.6.2.18.3. Install								-	-	-	-	

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.6.2.19. Oil Tank											
10.6.2.19.1. Remove								-	-	-	-
10.6.2.19.2. Inspect								-	-	-	-
10.6.2.19.3. Install								-	-	-	-
10.6.2.20. Combustion Case Drain Valve											
10.6.2.20.1. Remove								-	-	-	-
10.6.2.20.2. Inspect								-	-	-	-
10.6.2.20.3. Install								-	-	-	-
10.6.2.21. Electronic Control Unit/Voltage Regulator/Four Speed Box											
10.6.2.21.1. Remove								-	-	-	-
10.6.2.21.2. Inspect								-	-	-	-
10.6.2.21.3. Install								-	-	-	-
10.6.2.22. Cooling Fan Assembly											
10.6.2.22.1. Remove								-	-	-	-
10.6.2.22.2. Inspect								-	-	-	-
10.6.2.22.3. Install								-	-	-	-
10.6.2.23. Oil Temperature Regulator (Oil Cooler)											
10.6.2.23.1. Remove								-	-	-	-
10.6.2.23.2. Inspect								-	-	-	-
10.6.2.23.3. Install								-	-	-	-
10.6.2.24. Exciter Box											
10.6.2.24.1. Remove								-	-	-	-
10.6.2.24.2. Inspect								-	-	-	-
10.6.2.24.3. Install								-	-	-	-
10.6.2.25. APU Inlet Door Shaft											
10.6.2.25.1. Remove								-	-	-	-
10.6.2.25.2. Inspect								-	-	-	-
10.6.2.25.3. Install								-	-	-	-
10.6.2.26. Inlet/Exhaust Doors (Core Task KC-10 Only)											
10.6.2.26.1. Deactivate	*							-	-	-	-
10.6.2.26.2. Activate	*							-	-	-	-
10.6.2.27. APU Inlet Door Gearbox											
10.6.2.27.1. Remove								-	-	-	-
10.6.2.27.2. Inspect								-	-	-	-
10.6.2.27.3. Install								-	-	-	-
10.6.2.28. APU Exhaust Door Jackscrew											
10.6.2.28.1. Remove								-	-	-	-
10.6.2.28.2. Inspect								-	-	-	-
10.6.2.28.3. Install								-	-	-	-
10.6.2.29. APU Ignitors											
10.6.2.29.1. Remove								-	-	-	-
10.6.2.29.2. Inspect								-	-	-	-
10.6.2.29.3. Install								-	-	-	-
10.6.2.30. APU Ignition Leads											
10.6.2.30.1. Remove								-	-	-	-
10.6.2.30.2. Inspect								-	-	-	-
10.6.2.30.3. Install								-	-	-	-
10.6.2.31. APU Air Flow Sensor											
10.6.2.31.1. Remove								-	-	-	-
10.6.2.31.2. Inspect								-	-	-	-
10.6.2.31.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.6.2.32. APU Nozzle Actuator											
10.6.2.32.1. Remove	*							-	-	-	-
10.6.2.32.2. Inspect		*						-	-	-	-
10.6.2.32.3. Install	*							-	-	-	-
10.6.2.33. APU Hourmeter											
10.6.2.33.1. Remove								-	-	-	-
10.6.2.33.2. Inspect								-	-	-	-
10.6.2.33.3. Install								-	-	-	-
10.6.2.34. APU N1/N2 Monopole											
10.6.2.34.1. Remove	*							-	-	-	-
10.6.2.34.2. Inspect								-	-	-	-
10.6.2.34.3. Install	*							-	-	-	-
10.7. KC-135R SMALL GAS TURBINE (SGT) ENGINES, AUXILIARY POWER UNITS (APU), QUICK START AUXILIARY POWER SYSTEM (QSAS) TR: T.O. 1C-135(R)-2-16-1-1											
10.7.1. Operating Principles											
10.7.1.1. Adjust/Repair Door Actuation System								-	-	-	-
10.7.1.2. Perform APU/QSAS Checks (Including Pre-ISO)	*							-	-	-	-
10.7.1.3. QSAS Power Plant Operation	*/R							-	-	-	-
10.7.2. Small Gas Turbine (SGT) Engines, Auxiliary Power Units (APU), Maintenance											
10.7.2.1. APU TR: TO 1C-5M-2-4											
10.7.2.1.1. Remove	*							-	-	-	-
10.7.2.1.2. Inspect		*						-	-	-	-
10.7.2.1.3. Install	*							-	-	-	-
10.7.2.1.4. Service Oil System	*							-	-	-	-
10.7.2.2. APU Enclosure											
10.7.2.2.1. Remove								-	-	-	-
10.7.2.2.2. Inspect								-	-	-	-
10.7.2.2.3. Install								-	-	-	-
10.7.2.3. Air Filter											
10.7.2.3.1. Remove	*							-	-	-	-
10.7.2.3.2. Inspect								-	-	-	-
10.7.2.3.3. Install	*							-	-	-	-
10.7.2.4. Air Flow Sensor											
10.7.2.4.1. Remove								-	-	-	-
10.7.2.4.2. Inspect								-	-	-	-
10.7.2.4.3. Install								-	-	-	-
10.7.2.5. Inlet Muff											
10.7.2.5.1. Remove								-	-	-	-
10.7.2.5.2. Inspect								-	-	-	-
10.7.2.5.3. Install								-	-	-	-
10.7.2.6. Pneumatic Ducting											
10.7.2.6.1. Remove								-	-	-	-
10.7.2.6.2. Inspect								-	-	-	-
10.7.2.6.3. Install								-	-	-	-
10.7.2.7. Inlet/Exhaust Doors											
10.7.2.7.1. Remove								-	-	-	-
10.7.2.7.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.7.2.7.3. Install								-	-	-	-
10.7.2.7.4. Adjust								-	-	-	-
10.7.2.8. Door Actuator											
10.7.2.8.1. Remove								-	-	-	-
10.7.2.8.2. Inspect								-	-	-	-
10.7.2.8.3. Install								-	-	-	-
10.7.2.9. Surge Control Valve											
10.7.2.9.1. Remove	*							-	-	-	-
10.7.2.9.2. Inspect		*						-	-	-	-
10.7.2.9.3. Install	*							-	-	-	-
10.7.2.10. Ejector Pump											
10.7.2.10.1. Remove	*							-	-	-	-
10.7.2.10.2. Inspect		*						-	-	-	-
10.7.2.10.3. Install	*							-	-	-	-
10.7.2.11. IGV Actuator											
10.7.2.11.1. Remove								-	-	-	-
10.7.2.11.2. Inspect								-	-	-	-
10.7.2.11.3. Install								-	-	-	-
10.7.2.12. Main Fuel Solenoid Valve											
10.7.2.12.1. Remove								-	-	-	-
10.7.2.12.2. Inspect								-	-	-	-
10.7.2.12.3. Install								-	-	-	-
10.7.2.13. Start Fuel Solenoid Valve											
10.7.2.13.1. Remove								-	-	-	-
10.7.2.13.2. Inspect								-	-	-	-
10.7.2.13.3. Install								-	-	-	-
10.7.2.14. Fuel Control TR: TO 1C-5M-2-4, 2G-GTCP165-16											
10.7.2.14.1. Remove								-	-	-	-
10.7.2.14.2. Inspect								-	-	-	-
10.7.2.14.3. Install								-	-	-	-
10.7.2.15. Fuel Filter Element TR: TO 1C-5M-2-4, 2G-GTCP165-16											
10.7.2.15.1. Remove	*							-	-	-	-
10.7.2.15.2. Inspect								-	-	-	-
10.7.2.15.3. Install	*							-	-	-	-
10.7.2.16. Start Fuel Nozzle/Purge Restrictor											
10.7.2.16.1. Remove	*							-	-	-	-
10.7.2.16.2. Inspect		*						-	-	-	-
10.7.2.16.3. Install	*							-	-	-	-
10.7.2.17. Servo Fuel Valve											
10.7.2.17.1. Remove								-	-	-	-
10.7.2.17.2. Inspect								-	-	-	-
10.7.2.17.3. Install								-	-	-	-
10.7.2.18. Fuel Manifold Assembly											
10.7.2.18.1. Remove								-	-	-	-
10.7.2.18.2. Inspect								-	-	-	-
10.7.2.18.3. Install								-	-	-	-
10.7.2.19. RTD Compressor											
10.7.2.19.1. Remove								-	-	-	-
10.7.2.19.2. Inspect								-	-	-	-
10.7.2.19.3. Install								-	-	-	-
10.7.2.20. Generator TR: TO 1C-5M-2-4, 2G-GTCP165-16											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level		
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC	
10.7.2.20.1. Remove	*							-	-	-	-	
10.7.2.20.2. Inspect								-	-	-	-	
10.7.2.20.3. Install	*							-	-	-	-	
10.7.2.21. EGT Thermocouple												
10.7.2.21.1. Remove								-	-	-	-	
10.7.2.21.2. Inspect								-	-	-	-	
10.7.2.21.3. Install								-	-	-	-	
10.7.2.22. Fire Detector Loop (Upper/Lower)												
10.7.2.22.1. Remove								-	-	-	-	
10.7.2.22.2. Inspect								-	-	-	-	
10.7.2.22.3. Install								-	-	-	-	
10.7.2.23. Ignition Lead												
10.7.2.23.1. Remove								-	-	-	-	
10.7.2.23.2. Inspect								-	-	-	-	
10.7.2.23.3. Install								-	-	-	-	
10.7.2.24. Ignition Exciter												
10.7.2.24.1. Remove								-	-	-	-	
10.7.2.24.2. Inspect								-	-	-	-	
10.7.2.24.3. Install								-	-	-	-	
10.7.2.25. Electrical Harness and Cannon Plugs												
10.7.2.25.1. Remove	*							-	-	-	-	
10.7.2.25.2. Inspect								-	-	-	-	
10.7.2.25.3. Install	*							-	-	-	-	
10.7.2.26. Electronic Sequence Control Unit (ESCU)												
10.7.2.26.1. Remove	*							-	-	-	-	
10.7.2.26.2. Inspect		*						-	-	-	-	
10.7.2.26.3. Install	*							-	-	-	-	
10.7.2.27. RTD Ambient												
10.7.2.27.1. Remove								-	-	-	-	
10.7.2.27.2. Inspect								-	-	-	-	
10.7.2.27.3. Install								-	-	-	-	
10.7.2.28. Magnetic Pick-Up												
10.7.2.28.1. Remove								-	-	-	-	
10.7.2.28.2. Inspect								-	-	-	-	
10.7.2.28.3. Install								-	-	-	-	
10.7.2.29. Oil Tank												
10.7.2.29.1. Remove								-	-	-	-	
10.7.2.29.2. Inspect								-	-	-	-	
10.7.2.29.3. Install								-	-	-	-	
10.7.2.30. Oil Temperature Switch												
10.7.2.30.1. Remove								-	-	-	-	
10.7.2.30.2. Inspect								-	-	-	-	
10.7.2.30.3. Install								-	-	-	-	
10.7.2.31. Oil Pressure Switch												
10.7.2.31.1. Remove								-	-	-	-	
10.7.2.31.2. Inspect								-	-	-	-	
10.7.2.31.3. Install								-	-	-	-	
10.7.2.32. Oil Filter Element												
10.7.2.32.1. Remove	*							-	-	-	-	
10.7.2.32.2. Inspect								-	-	-	-	
10.7.2.32.3. Install	*							-	-	-	-	

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.7.2.33. Starter											
10.7.2.33.1. Remove								-	-	-	-
10.7.2.33.2. Inspect								-	-	-	-
10.7.2.33.3. Install								-	-	-	-
10.7.2.34. Oil Return Manifold											
10.7.2.34.1. Remove								-	-	-	-
10.7.2.34.2. Inspect								-	-	-	-
10.7.2.34.3. Install								-	-	-	-
10.7.2.35. APU Oil Cooler											
10.7.2.35.1. Remove											
10.7.2.35.2. Inspect											
10.7.2.35.3. Install											
10.7.2.36. QSAS Air/Oil Cooler											
10.7.2.36.1. Remove								-	-	-	-
10.7.2.36.2. Inspect								-	-	-	-
10.7.2.36.3. Install								-	-	-	-
10.8. C-5M SMALL GAS TURBINE (SGT) ENGINES, AUXILIARY POWER UNITS (APU), MAINTENANCE TR: TO 1C-5M-2-4, 1C-5M-2-4JG-11-1, 1C-5M-2-4JG-11-2, and 1C-5M-2-7-1											
10.8.1. APU TR: TO 1C-5M-2-4, 1C-5M-2-4JG-11-1, 1C-5M-2-4JG-11-2, and 1C-5M-2-7-1											
10.8.1.1. Components and Operation								-	-	-	-
10.8.1.2. Operate								-	-	-	-
10.8.1.3. Service/Adjust	*							-	-	-	-
10.8.1.4. Remove								-	-	-	-
10.8.1.5. Inspect								-	-	-	-
10.8.1.6. Install								-	-	-	-
10.8.2. APU Struts/Mounts TR: TO 1C-5M-2-4JG-11-1											
10.8.2.1. Remove								-	-	-	-
10.8.2.2. Install								-	-	-	-
10.8.2.3. Inspect								-	-	-	-
10.8.3. APU Air Inlet Door TR: TO 1C-5M-2-4JG-11-2											
10.8.3.1. Remove								-	-	-	-
10.8.3.2. Install								-	-	-	-
10.8.3.3. Inspect								-	-	-	-
10.8.4. APU Air Inlet Door Actuator TR: TO 1C-5M-2-4JG-11-2											
10.8.4.1. Remove								-	-	-	-
10.8.4.2. Install								-	-	-	-
10.8.4.3. Inspect								-	-	-	-
10.8.5. APU Air Inlet Door Seal TR: TO 1C-5M-2-4JG-11-2											
10.8.5.1. Remove								-	-	-	-
10.8.5.2. Install								-	-	-	-
10.8.5.3. Inspect								-	-	-	-
10.8.6. Aircraft Mounted Inlet Duct TR: TO 1C-5M-2-4JG-11-2											
10.8.6.1. Remove								-	-	-	-
10.8.6.2. Install								-	-	-	-
10.8.6.3. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.8.7. Exhaust Adapter TR: TO 1C-5M-2-4JG-11-2											
10.8.7.1. Remove								-	-	-	-
10.8.7.2. Install								-	-	-	-
10.8.7.3. Inspect								-	-	-	-
10.8.8. APU Control Harness TR: TO 1C-5M-2-4JG-11-2											
10.8.8.1. Remove								-	-	-	-
10.8.8.2. Install								-	-	-	-
10.8.8.3. Inspect								-	-	-	-
10.8.9. Starter TR: TO 1C-5M-2-4JG-11-2											
10.8.9.1. Remove	*							-	-	-	-
10.8.9.2. Install	*							-	-	-	-
10.8.9.3. Inspect								-	-	-	-
10.8.10. Starter Shaft TR: TO 1C-5M-2-4JG-11-2											
10.8.10.1. Remove								-	-	-	-
10.8.10.2. Install								-	-	-	-
10.8.10.3. Inspect								-	-	-	-
10.8.11. Oil Cooler TR: TO 1C-5M-2-4JG-11-2											
10.8.11.1. Remove								-	-	-	-
10.8.11.2. Install								-	-	-	-
10.8.11.3. Inspect								-	-	-	-
10.8.12. Oil Pressure Relief Valve TR: TO 1C-5M-2-4JG-11-2											
10.8.12.1. Remove								-	-	-	-
10.8.12.2. Install								-	-	-	-
10.8.12.3. Inspect								-	-	-	-
10.8.13. Oil Temp Sensor TR: TO 1C-5M-2-4JG-11-2											
10.8.13.1. Remove								-	-	-	-
10.8.13.2. Install								-	-	-	-
10.8.13.3. Inspect								-	-	-	-
10.8.14. Oil Quantity Sensor TR: TO 1C-5M-2-4JG-11-2											
10.8.14.1. Remove								-	-	-	-
10.8.14.2. Install								-	-	-	-
10.8.14.3. Inspect								-	-	-	-
10.8.15. Oil Filter Latch TR: TO 1C-5M-2-4JG-11-2											
10.8.15.1. Remove								-	-	-	-
10.8.15.2. Install								-	-	-	-
10.8.15.3. Inspect								-	-	-	-
10.8.16. Oil Filters/Screens TR: TO 1C-5M-2-4JG-11-2											
10.8.16.1. Remove	*							-	-	-	-
10.8.16.2. Install	*							-	-	-	-
10.8.16.3. Inspect								-	-	-	-
10.8.17. Oil Pressure Sensor TR: TO 1C-5M-2-4JG-11-2											
10.8.17.1. Remove								-	-	-	-
10.8.17.2. Install								-	-	-	-
10.8.17.3. Inspect								-	-	-	-
10.8.18. Oil Differential Pressure Switch TR: TO 1C-5M-2-4JG-11-2											
10.8.18.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.8.18.2. Install								-	-	-	-
10.8.18.3. Inspect								-	-	-	-
10.8.19. Magnetic Plug TR: TO 1C-5M-2-4JG-11-2											
10.8.19.1. Remove								-	-	-	-
10.8.19.2. Install								-	-	-	-
10.8.19.3. Inspect								-	-	-	-
10.8.20. De-Prime Solenoid Valve TR: TO 1C-5M-2-4JG-11-2											
10.8.20.1. Remove								-	-	-	-
10.8.20.2. Install								-	-	-	-
10.8.20.3. Inspect								-	-	-	-
10.8.21. Data Memory Module (DMM) TR: TO 1C-5M-2-4JG-11-2											
10.8.21.1. Remove								-	-	-	-
10.8.21.2. Install								-	-	-	-
10.8.21.3. Inspect								-	-	-	-
10.8.22. Exhaust Thermocouple TR: TO 1C-5M-2-4JG-11-2											
10.8.22.1. Remove								-	-	-	-
10.8.22.2. Install								-	-	-	-
10.8.22.3. Inspect								-	-	-	-
10.8.23. Speed Sensor TR: TO 1C-5M-2-4JG-11-2											
10.8.23.1. Remove								-	-	-	-
10.8.23.2. Install								-	-	-	-
10.8.23.3. Inspect								-	-	-	-
10.8.24. Fuel Flow Divider TR: TO 1C-5M-2-4JG-11-1											
10.8.24.1. Remove								-	-	-	-
10.8.24.2. Install								-	-	-	-
10.8.24.3. Inspect								-	-	-	-
10.8.25. Fuel Control											
10.8.25.1. Remove	*							-	-	-	-
10.8.25.2. Install	*							-	-	-	-
10.8.25.3. Inspect								-	-	-	-
10.8.26. Fuel Filter TR: TO 1C-5M-2-4JG-11-1											
10.8.26.1. Remove	*							-	-	-	-
10.8.26.2. Install	*							-	-	-	-
10.8.26.3. Inspect								-	-	-	-
10.8.27. Fuel Manifold (Main/Pilot) TR: TO 1C-5M-2-4JG-11-1											
10.8.27.1. Remove								-	-	-	-
10.8.27.2. Install								-	-	-	-
10.8.27.3. Inspect								-	-	-	-
10.8.28. Fuel Nozzle (Main/Pilot) TR: TO 1C-5M-2-4JG-11-1											
10.8.28.1. Remove								-	-	-	-
10.8.28.2. Install								-	-	-	-
10.8.28.3. Inspect								-	-	-	-
10.8.29. Exciter TR: TO 1C-5M-2-4JG-11-1											
10.8.29.1. Remove	*							-	-	-	-
10.8.29.2. Install	*							-	-	-	-
10.8.29.3. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.8.30. Ignition Lead TR: TO 1C-5M-2-4JG-11-1											
10.8.30.1. Remove	*							-	-	-	-
10.8.30.2. Install	*							-	-	-	-
10.8.30.3. Inspect								-	-	-	-
10.8.31. Ignition Plug TR: TO 1C-5M-2-4JG-11-1											
10.8.31.1. Remove	*							-	-	-	-
10.8.31.2. Install	*							-	-	-	-
10.8.31.3. Inspect								-	-	-	-
10.8.32. Pressure/Temperature Sensors TR: TO 1C-5M-2-4JG-11-2											
10.8.32.1. Remove								-	-	-	-
10.8.32.2. Install								-	-	-	-
10.8.32.3. Inspect								-	-	-	-
10.8.33. Bleed Control Valve TR: TO 1C-5M-2-4JG-11-2											
10.8.33.1. Remove	*							-	-	-	-
10.8.33.2. Install	*							-	-	-	-
10.8.33.3. Inspect								-	-	-	-
10.8.34. Cooling Fan TR: TO 1C-5M-2-4JG-11-2											
10.8.34.1. Remove	*							-	-	-	-
10.8.34.2. Install	*							-	-	-	-
10.8.34.3. Inspect								-	-	-	-
10.8.35. Guide Vane Actuator TR: TO 1C-5M-2-4JG-11-2											
10.8.35.1. Remove	*							-	-	-	-
10.8.35.2. Install	*							-	-	-	-
10.8.35.3. Inspect								-	-	-	-
10.8.36. APU Generator TR: TO 1C-5M-2-7-1											
10.8.36.1. Remove								-	-	-	-
10.8.36.2. Install								-	-	-	-
10.8.36.3. Inspect								-	-	-	-
10.8.37. Full Authority Digital Electronic Control (FADEC) TR: TO 1C-5M-2-4, 1C-5M-2-4FI-2-1											
10.8.37.1. Operational Fundamentals								-	-	-	-
10.8.37.2. Perform Operational Check								-	-	-	-
10.8.37.3. Troubleshoot System								-	-	-	-
10.8.38. FADEC TR: TO 1C-5M-2-4JG-11-2											
10.8.38.1. Remove								-	-	-	-
10.8.38.2. Install								-	-	-	-
10.8.38.3. Inspect								-	-	-	-
10.8.39. APU RPM Indicating System TR: TO 1C-5M-2-4JG-11-2											
10.8.39.1. Operational Fundamentals								-	-	-	-
10.8.39.2. Perform Operational Check								-	-	-	-
10.8.39.3. Troubleshoot System								-	-	-	-
10.8.40. APU Exhaust Gas Thermocouple TR: TO 1C-5M-2-4JG-11-2											
10.8.40.1. Operational Fundamentals								-	-	-	-
10.8.40.2. Perform Operational Check								-	-	-	-
10.8.40.3. Troubleshoot System								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.8.41. Thermocouple Harness TR: TO 1C-5M-2-4JG-11-2											
10.8.41.1. Remove								-	-	-	-
10.8.41.2. Install								-	-	-	-
10.8.41.3. Inspect								-	-	-	-
10.9. JET FUEL STARTER (JFS) TR: AFI 21-101, 2-1-111 (F100), and Applicable Aircraft/Engine TOs											
10.9.1. JFS Starter											
10.9.1.1. Remove								-	-	-	-
10.9.1.2. Inspect								-	-	-	-
10.9.1.3. Install								-	-	-	-
10.9.2. JFS Fuel Filter											
10.9.2.1. Remove								-	-	-	-
10.9.2.2. Inspect								-	-	-	-
10.9.2.3. Install								-	-	-	-
10.9.3. JFS Fuel Control											
10.9.3.1. Remove								-	-	-	-
10.9.3.2. Inspect								-	-	-	-
10.9.3.3. Install								-	-	-	-
10.9.4. JFS Ignition Unit											
10.9.4.1. Remove								-	-	-	-
10.9.4.2. Inspect								-	-	-	-
10.9.4.3. Install								-	-	-	-
10.9.5. JFS Igniter Plug											
10.9.5.1. Remove								-	-	-	-
10.9.5.2. Inspect								-	-	-	-
10.9.5.3. Install								-	-	-	-
10.9.6. JFS Generator Control Unit											
10.9.6.1. Inspect								-	-	-	-
10.9.6.2. Install								-	-	-	-
10.9.6.3. Remove								-	-	-	-
10.9.7. JFS Atomizer Assembly											
10.9.7.1. Remove								-	-	-	-
10.9.7.2. Inspect								-	-	-	-
10.9.7.3. Install								-	-	-	-
10.9.8. JFS Compressor Air Inlet Duct											
10.9.8.1. Remove								-	-	-	-
10.9.8.2. Inspect								-	-	-	-
10.9.8.3. Install								-	-	-	-
10.9.9. JFS Axial Containment Ring											
10.9.9.1. Remove								-	-	-	-
10.9.9.2. Inspect								-	-	-	-
10.9.9.3. Install								-	-	-	-
10.9.10. JFS Turbine Plenum											
10.9.10.1. Remove								-	-	-	-
10.9.10.2. Inspect								-	-	-	-
10.9.10.3. Install								-	-	-	-
10.9.11. JFS Power Turbine Assembly											
10.9.11.1. Remove								-	-	-	-
10.9.11.2. Inspect								-	-	-	-
10.9.11.3. Install								-	-	-	-
10.9.12. JFS Carbon Seal											
10.9.12.1. Remove								-	-	-	-
10.9.12.2. Inspect								-	-	-	-
10.9.12.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.9.13. JFS Annular Combustion Chamber											
10.9.13.1. Remove								-	-	-	-
10.9.13.2. Inspect								-	-	-	-
10.9.13.3. Install								-	-	-	-
10.9.14. JFS Operational Test											
10.9.14.1. Installation and Removal From Test Stand								-	-	-	-
10.9.14.2. Perform Static & Pre-Checks								-	-	-	-
10.9.14.3. Perform Ground Duties								-	-	-	-
10.9.14.4. Perform Operational Test											
10.10. F-15 CENTRAL GEAR BOX (CGB) TR: AFI 21-101, 2-1-111 (F100), and Applicable Aircraft/Engine TOs											
10.10.1. Central Gear Box (CGB)											
10.10.1.1. Remove								-	-	-	-
10.10.1.2. Inspect								-	-	-	-
10.10.1.3. Install								-	-	-	-
10.10.1.4. Service								-	-	-	-
10.10.2. CGB Inlet Reverse Duct and Oil Cooler Fan Inlet Housing											
10.10.2.1. Remove								-	-	-	-
10.10.2.2. Inspect								-	-	-	-
10.10.2.3. Install								-	-	-	-
10.10.3. CGB Clutch and Brake Assembly											
10.10.3.1. Remove								-	-	-	-
10.10.3.2. Inspect								-	-	-	-
10.10.3.3. Install								-	-	-	-
10.10.4. CGB Hydraulic Starter Assembly											
10.10.4.1. Remove								-	-	-	-
10.10.4.2. Inspect								-	-	-	-
10.10.4.3. Install								-	-	-	-
10.10.5. CGB Switch and Oil Pump Assembly											
10.10.5.1. Remove								-	-	-	-
10.10.5.2. Inspect								-	-	-	-
10.10.5.3. Install								-	-	-	-
10.10.6. CGB Lube System Components											
10.10.6.1. Remove								-	-	-	-
10.10.6.2. Install								-	-	-	-
10.10.7. CGB Alternating Current Generator Assembly (PMG)											
10.10.7.1. Remove								-	-	-	-
10.10.7.2. Inspect								-	-	-	-
10.10.7.3. Install								-	-	-	-
10.10.8. CGB Fan Assemble and Fan Stator											
10.10.8.1. Remove								-	-	-	-
10.10.8.2. Inspect								-	-	-	-
10.10.8.3. Install								-	-	-	-
10.10.9. CGB Carbon Seal Assembly											
10.10.9.1. Remove								-	-	-	-
10.10.9.2. Inspect								-	-	-	-
10.10.9.3. Install								-	-	-	-
10.10.10. CGB Ratchet Wheel Assembly, Coupling Stub Shaft and Seal Assembly											
10.10.10.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.10.10.2. Inspect								-	-	-	-
10.10.10.3. Install								-	-	-	-
10.10.11. CGB Hydraulic Clutch Control Valve											
10.10.11.1. Remove								-	-	-	-
10.10.11.2. Inspect								-	-	-	-
10.10.11.3. Install								-	-	-	-
10.10.12. CGB Operational Test											
10.10.12.1. Installation On Test Stand								-	-	-	-
10.10.12.2. Perform Static & Pre-Checks								-	-	-	-
10.10.12.3. Perform Ground Duties								-	-	-	-
10.10.12.4. Perform Operational Test								-	-	-	-
10.11. F-15 AIRFRAME MOUNTED ACCESORY DRIVE (AMAD) TR: AFI 21-101, 2-1-111 (F100), and Applicable Aircraft/Engine TOs											
10.11.1. AMAD											
10.11.1.1. Remove								-	-	-	-
10.11.1.2. Inspect								-	-	-	-
10.11.1.3. Install								-	-	-	-
10.11.1.4. Service								-	-	-	-
10.11.1.5. Perform Operational Check Out								-	-	-	-
10.11.2. AMAD Driveshaft											
10.11.2.1. Remove								-	-	-	-
10.11.2.2. Inspect								-	-	-	-
10.11.2.3. Install								-	-	-	-
10.11.3. AMAD Power Takeoff Shaft Seal Assembly											
10.11.3.1. Remove								-	-	-	-
10.11.3.2. Inspect								-	-	-	-
10.11.3.3. Install								-	-	-	-
10.11.4. AMAD Oil Pump and Governor Assembly (50% Switch)											
10.11.4.1. Remove								-	-	-	-
10.11.4.2. Inspect								-	-	-	-
10.11.4.3. Install								-	-	-	-
10.11.5. AMAD Shuttle Valve Assembly											
10.11.5.1. Remove								-	-	-	-
10.11.5.2. Inspect								-	-	-	-
10.11.5.3. Install								-	-	-	-
10.11.6. AMAD Plain Encase Seal Assembly											
10.11.6.1. Remove								-	-	-	-
10.11.6.2. Inspect								-	-	-	-
10.11.6.3. Install								-	-	-	-
10.11.7. AMAD Magnetic Seal											
10.11.7.1. Remove								-	-	-	-
10.11.7.2. Inspect								-	-	-	-
10.11.7.3. Install								-	-	-	-
10.11.8. AMAD Isolation De-Coupler Pawl Carrier Assembly											
10.11.8.1. Remove								-	-	-	-
10.11.8.2. Inspect								-	-	-	-
10.11.8.3. Install								-	-	-	-
10.11.9. AMAD Damping Lay Shaft Assembly											
10.11.9.1. Remove								-	-	-	-
10.11.9.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.11.9.3. Install								-	-	-	-
10.11.10. AMAD Operational Test											
10.11.10.1. Installation and Removal From											
10.11.10.2. Perform Static & Pre-Checks											
10.11.10.3. Perform Ground Duties											
10.11.10.4. Perform Operational Test											
10.12. C-130, SMALL GAS TURBINE ENGINES (GTC/APU) TR: T.O. 1C-130H-2-49GS-00-1; 1C-130H-2-49JG-00-1; 1C-130(H/M)J-2-49JG-00-1; 1C-130J-2-49GS-00-1; 1C-130J-2-49JG-00-1											
10.12.1. Constructional Features								-	-	-	-
10.12.2. Principles of APU/GTC Operation											
10.12.2.1. Fuel								-	-	-	-
10.12.2.2. Oil								-	-	-	-
10.12.2.3. Electrical								-	-	-	-
10.12.2.4. Pneumatic								-	-	-	-
10.12.3. APU/GTC Maintenance											
10.12.3.1. Remove								-	-	-	-
10.12.3.2. Inspect								-	-	-	-
10.12.3.3. Install								-	-	-	-
10.12.3.4. Operate APU/GTC								-	-	-	-
10.12.3.5. Operate Analyzer								-	-	-	-
10.12.4. Fuel Pump and Control Assembly											
10.12.4.1. Remove								-	-	-	-
10.12.4.2. Inspect								-	-	-	-
10.12.4.3. Install								-	-	-	-
10.12.4.4. Adjust								-	-	-	-
10.12.5. Fuel Filter											
10.12.5.1. Remove								-	-	-	-
10.12.5.2. Inspect								-	-	-	-
10.12.5.3. Install								-	-	-	-
10.12.6. Fuel Atomizer											
10.12.6.1. Remove								-	-	-	-
10.12.6.2. Inspect								-	-	-	-
10.12.6.3. Install								-	-	-	-
10.12.7. Combustion Liner											
10.12.7.1. Remove								-	-	-	-
10.12.7.2. Inspect								-	-	-	-
10.12.7.3. Install								-	-	-	-
10.12.8. Heat Blanket											
10.12.8.1. Remove								-	-	-	-
10.12.8.2. Inspect								-	-	-	-
10.12.8.3. Install								-	-	-	-
10.12.9. Starter											
10.12.9.1. Remove								-	-	-	-
10.12.9.2. Inspect								-	-	-	-
10.12.9.3. Install								-	-	-	-
10.12.9.4. Adjust Clutch								-	-	-	-
10.12.10. Multiple Centrifugal Switch											
10.12.10.1. Remove								-	-	-	-
10.12.10.2. Inspect								-	-	-	-
10.12.10.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.13.10.4. Adjust								-	-	-	-
10.12.10.5. Use Centrifugal Speed Switch Tester											
10.12.11. Oil Pump											
10.12.11.1. Remove								-	-	-	-
10.12.11.2. Inspect								-	-	-	-
10.12.11.3. Install								-	-	-	-
10.12.11.4. Adjust								-	-	-	-
10.12.12. Oil Cooler											
10.12.12.1. Remove								-	-	-	-
10.12.12.2. Inspect								-	-	-	-
10.12.12.3. Install								-	-	-	-
10.12.13. Oil Filter											
10.12.13.1. Remove								-	-	-	-
10.12.13.2. Inspect								-	-	-	-
10.12.13.3. Install								-	-	-	-
10.12.14. Ignition Exciter											
10.12.14.1. Remove								-	-	-	-
10.12.14.2. Inspect								-	-	-	-
10.12.14.3. Install								-	-	-	-
10.12.15. Igniter Plug											
10.12.15.1. Remove								-	-	-	-
10.12.15.2. Inspect								-	-	-	-
10.12.15.3. Install								-	-	-	-
10.12.16. Thermocouple											
10.12.16.1. Remove								-	-	-	-
10.12.16.2. Inspect								-	-	-	-
10.12.16.3. Install								-	-	-	-
10.12.17. Fuel/Start Holding Relay											
10.12.17.1. Remove								-	-	-	-
10.12.17.2. Inspect								-	-	-	-
10.12.17.3. Install								-	-	-	-
10.12.18. Load Control Thermostat											
10.12.18.1. Remove								-	-	-	-
10.12.18.2. Inspect								-	-	-	-
10.12.18.3. Install								-	-	-	-
10.12.18.4. Adjust								-	-	-	-
10.12.19. Acceleration Control Thermostat											
10.12.19.1. Remove								-	-	-	-
10.12.19.2. Inspect								-	-	-	-
10.12.19.3. Install								-	-	-	-
10.12.19.4. Adjust								-	-	-	-
10.12.20. Oil Pressure Sequencing Switch											
10.12.20.1. Remove								-	-	-	-
10.12.20.2. Inspect								-	-	-	-
10.12.20.3. Install								-	-	-	-
10.12.21. Load Control Valve											
10.12.21.1. Remove								-	-	-	-
10.12.21.2. Inspect								-	-	-	-
10.12.21.3. Install								-	-	-	-
10.12.21.4. Adjust								-	-	-	-
10.12.22. Gas Turbine Compressor (GTC/APU) Door											
10.12.22.1. Remove								-	-	-	-
10.12.22.2. Inspect								-	-	-	-
10.12.22.3. Install								-	-	-	-
10.12.22.4. Adjust (GTC only)								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.12.23. Tailpipe											
10.12.23.1. Remove								-	-	-	-
10.12.23.2. Inspect								-	-	-	-
10.12.23.3. Install								-	-	-	-
10.12.24. Tachometer Generator											
10.12.24.1. Remove								-	-	-	-
10.12.24.2. Inspect								-	-	-	-
10.12.24.3. Install								-	-	-	-
10.12.25. Electronic 3-Speed Switch (E3SS)											
10.12.25.1. Remove								-	-	-	-
10.12.25.2. Inspect								-	-	-	-
10.12.25.3. Install								-	-	-	-
10.12.26. Electronic Temperature and Acceleration Control (ETAC)											
10.12.26.1. Remove								-	-	-	-
10.12.26.2. Inspect								-	-	-	-
10.12.26.3. Install								-	-	-	-
10.12.26.4. Adjust								-	-	-	-
10.12.27. Proportional Control Valve											
10.12.27.1. Remove								-	-	-	-
10.12.27.2. Inspect								-	-	-	-
10.12.27.3. Install								-	-	-	-
10.13. H-60 AUXILIARY POWER UNIT (APU) TR: 1H-60(H)G-2-5, 2G-GTC36-23											
10.13.1. General											
10.13.1.1. Operating Principles								-	-	-	-
10.13.1.2. Remove	*							-	-	-	-
10.13.1.3. Install	*							-	-	-	-
10.13.1.4. Service	*							-	-	-	-
10.13.1.5. Troubleshoot APU Systems								-	-	-	-
10.13.2. Oil Filter											
10.13.2.1. Remove	*							-	-	-	-
10.13.2.2. Inspect		*						-	-	-	-
10.13.2.3. Install	*							-	-	-	-
10.13.3. Fuel Filters											
10.13.3.1. Remove	*							-	-	-	-
10.13.3.2. Inspect		*						-	-	-	-
10.13.3.3. Install	*							-	-	-	-
10.13.4. APU Driven Components											
10.13.4.1. Remove	*							-	-	-	-
10.13.4.2. Inspect		*						-	-	-	-
10.13.4.3. Install	*							-	-	-	-
10.13.5. Igniter Box											
10.13.5.1. Remove	*							-	-	-	-
10.13.5.2. Inspect		*						-	-	-	-
10.13.5.3. Install	*							-	-	-	-
10.13.6. Igniter Plug											
10.13.6.1. Remove	*							-	-	-	-
10.13.6.2. Inspect		*						-	-	-	-
10.13.6.3. Install	*							-	-	-	-
10.13.7. Electronic Sequencing Unit (ESU)											
10.13.7.1. Remove	*							-	-	-	-
10.13.7.2. Install	*							-	-	-	-
10.13.7.3. Operate APU								-	-	-	-
10.13.8. High Oil Temp Switch (Garret)											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
10.13.8.1. Remove								-	-	-	-
10.13.8.2. Inspect								-	-	-	-
10.13.8.3. Install								-	-	-	-
10.13.9. Low Oil Pressure Switch (Garret)											
10.13.9.1. Remove								-	-	-	-
10.13.9.2. Inspect								-	-	-	-
10.13.9.3. Install								-	-	-	-
10.13.10. History Recorder (Meter Assembly)											
10.13.10.1. Remove								-	-	-	-
10.13.10.2. Inspect								-	-	-	-
10.13.10.3. Install								-	-	-	-
10.13.11. Fuel Control											
10.13.11.1. Remove								-	-	-	-
10.13.11.2. Inspect								-	-	-	-
10.13.11.3. Install								-	-	-	-
10.13.12. Hydraulic Starter											
10.13.12.1. Remove								-	-	-	-
10.13.12.2. Inspect								-	-	-	-
10.13.12.3. Install								-	-	-	-
10.14. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
10.14.1. Installed Engine Run Certifying Official								-	-	-	-
10.14.2. All Systems IPI (no egress, welding, munitions, fuel cell in-tank)								-	-	-	-
10.14.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
10.14.4. Flexible Borescope Certifying Official								-	-	-	-
10.14.5. Engine Blade Blend Certifying Official								-	-	-	-
10.14.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
10.14.7. IPI by PAFSC and MDS								-	-	-	-
10.14.8. Red-X and/or IPI - Limited								-	-	-	-
10.14.9. Installed Engine Run by MDS								-	-	-	-
10.14.10. Engine Blade Blending								-	-	-	-
10.14.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
10.14.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
10.14.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
10.14.14. Engine Flexible Borescope Inspections								-	-	-	-
10.14.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
10.14.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
10.14.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 11											
NOTE 1: These items are TFE731 system-specific tasks.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items in column 2 marked with an asterisk (*) identify core tasks. Tasks identified by */R as core tasks are optional for ANG and AFRC when training capability is not available, but must be accomplished when capability becomes available.											
11.1. GENERAL ENGINE											
11.1.1. Constructional Features								-	-	-	-
11.2. GENERAL MAINTENANCE											
11.2. TR: TOs 1-1A-8, 1-1A-14, 44B-1-15, ,and Applicable Aircraft/Engine TOs											
11.2.1. Surge Bleed Valve											
11.2.1.1. Remove								-	-	-	-
11.2.1.2. Inspect								-	-	-	-
11.2.1.3. Install								-	-	-	-
11.2.2. Anti-Ice Plumbing											
11.2.2.1. Remove	*							-	-	-	-
11.2.2.2. Inspect		*						-	-	-	-
11.2.2.3. Install	*							-	-	-	-
11.2.3. Digital Electronic Engine Control											
11.2.3.1. Remove								-	-	-	-
11.2.3.2. Inspect								-	-	-	-
11.2.3.3. Install								-	-	-	-
11.2.4. Fuel Pump											
11.2.4.1. Remove								-	-	-	-
11.2.4.2. Inspect								-	-	-	-
11.2.4.3. Install								-	-	-	-
11.2.5. Fuel Control											
11.2.5.1. Remove								-	-	-	-
11.2.5.2. Inspect								-	-	-	-
11.2.5.3. Install								-	-	-	-
11.2.6. Fuel Oil Cooler								-	-	-	-
11.2.6.1. Remove								-	-	-	-
11.2.6.2. Inspect								-	-	-	-
11.2.6.3. Install								-	-	-	-
11.2.7. Fuel Filter											
11.2.7.1. Remove	*							-	-	-	-
11.2.7.2. Inspect		*						-	-	-	-
11.2.7.3. Install	*							-	-	-	-
11.2.8. Exciter											
11.2.8.1. Remove								-	-	-	-
11.2.8.2. Inspect								-	-	-	-
11.2.8.3. Install								-	-	-	-
11.2.9. Igniter Plug											
11.2.9.1. Remove	*							-	-	-	-
11.2.9.2. Inspect		*						-	-	-	-
11.2.9.3. Install	*							-	-	-	-
11.2.10. Igniter Lead											
11.2.10.1. Remove								-	-	-	-
11.2.10.2. Inspect								-	-	-	-
11.2.10.3. Install								-	-	-	-
11.2.11. Oil Pump											
11.2.11.1. Remove								-	-	-	-
11.2.11.2. Inspect								-	-	-	-
11.2.11.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
11.2.12. Oil Tank											
11.2.12.1. Remove								-	-	-	-
11.2.12.2. Inspect								-	-	-	-
11.2.12.3. Install								-	-	-	-
11.2.12.4. Service	*							-	-	-	-
11.2.13. Oil Breather Pressurizing Valve											
11.2.13.1. Remove								-	-	-	-
11.2.13.2. Inspect								-	-	-	-
11.2.13.3. Install								-	-	-	-
11.2.14. Oil Filter											
11.2.14.1. Remove	*							-	-	-	-
11.2.14.2. Inspect		*						-	-	-	-
11.2.14.3. Install	*							-	-	-	-
11.2.15. Chip Detectors											
11.2.15.1. Remove	*							-	-	-	-
11.2.15.2. Inspect		*						-	-	-	-
11.2.15.3. Install	*							-	-	-	-
11.2.16. Compressor Inlet Temperature (CIT) Sensor											
11.2.16.1. Remove								-	-	-	-
11.2.16.2. Inspect								-	-	-	-
11.2.16.3. Install								-	-	-	-
11.2.17. Fuel Flow Transmitter											
11.2.17.1. Remove								-	-	-	-
11.2.17.2. Inspect								-	-	-	-
11.2.17.3. Install								-	-	-	-
11.2.18. Low Oil Pressure Switch											
11.2.18.1. Remove								-	-	-	-
11.2.18.2. Inspect								-	-	-	-
11.2.18.3. Install								-	-	-	-
11.2.19. Oil Pressure Transmitter											
11.2.19.1. Remove								-	-	-	-
11.2.19.2. Inspect								-	-	-	-
11.2.19.3. Install								-	-	-	-
11.2.20. Oil Temperature Sensor											
11.2.20.1. Remove								-	-	-	-
11.2.20.2. Inspect								-	-	-	-
11.2.20.3. Install								-	-	-	-
11.2.21. Engine Starter											
11.2.21.1. Remove	*							-	-	-	-
11.2.21.2. Inspect		*						-	-	-	-
11.2.21.3. Install	*							-	-	-	-
11.2.21.4. Service	*							-	-	-	-
11.2.22. Hydraulic Pump											
11.2.22.1. Remove								-	-	-	-
11.2.22.2. Inspect								-	-	-	-
11.2.22.3. Install								-	-	-	-
11.2.23. Engine Harness											
11.2.23.1. Remove	*							-	-	-	-
11.2.23.2. Inspect		*						-	-	-	-
11.2.23.3. Install	*							-	-	-	-
11.2.24. Engine Generator											
11.2.24.1. Remove								-	-	-	-
11.2.24.2. Inspect								-	-	-	-
11.2.24.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
11.2.25. Fire Loop											
11.2.25.1. Remove								-	-	-	-
11.2.25.2. Inspect								-	-	-	-
11.2.25.3. Install								-	-	-	-
11.2.26. Tail Pipe/Tail Cone											
11.2.26.1. Remove								-	-	-	-
11.2.26.2. Inspect	*							-	-	-	-
11.2.26.3. Install								-	-	-	-
11.2.27. Engine Throttle Linkage											
11.2.27.1. Remove								-	-	-	-
11.2.27.2. Inspect								-	-	-	-
11.2.27.3. Install								-	-	-	-
11.2.27.4. Rig	*							-	-	-	-
11.2.28. Nacelle Anti-Ice Valve											
11.2.28.1. Remove								-	-	-	-
11.2.28.2. Inspect								-	-	-	-
11.2.28.3. Install								-	-	-	-
11.2.29. Engine Mounts											
11.2.29.1. Remove	*							-	-	-	-
11.2.29.2. Inspect		*						-	-	-	-
11.2.29.3. Install	*							-	-	-	-
11.2.30. C-21A / Engine Inlet											
11.2.30.1. Remove	*							-	-	-	-
11.2.30.2. Inspect		*						-	-	-	-
11.2.30.3. Install	*							-	-	-	-
11.2.31. C-21A Engine After Body											
11.2.31.1. Remove	*							-	-	-	-
11.2.31.2. Inspect		*						-	-	-	-
11.2.31.3. Install	*							-	-	-	-
11.2.32. Engine Removal and Installation on Airframe TR: TOs 1-1A-8, CMM C21A71, and Applicable aircraft TOs											
11.2.32.1. Remove								-	-	-	-
11.2.32.2. Inspect								-	-	-	-
11.2.32.3. Install								-	-	-	-
11.2.33. Engine Cowling											
11.2.33.1. Open								-	-	-	-
11.2.33.2. Inspect								-	-	-	-
11.2.33.3. Close								-	-	-	-
11.2.34. Thrust Reverser											
11.2.34.1. Remove	*							-	-	-	-
11.2.34.2. Inspect		*						-	-	-	-
11.2.34.3. Install	*							-	-	-	-
11.2.34.4. Rig	*							-	-	-	-
11.3. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
11.3.1. Installed Engine Run Certifying Official								-	-	-	-
11.3.2. All Systems IPI (N Egress, Welding, Munitions, Fuel Cell In-Tank)								-	-	-	-
11.3.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
11.3.4. Flexible Borescope Certifying Official								-	-	-	-
11.3.5. Engine Blade Blend Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
11.3.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
11.3.7. IPI by PAFSC and MDS								-	-	-	-
11.3.8. Red-X and/or IPI - Limited								-	-	-	-
11.3.9. Installed Engine Run by MDS								-	-	-	-
11.3.10. Engine Blade Blending								-	-	-	-
11.3.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
11.3.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
11.3.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
11.3.14. Engine Flexible Borescope Inspections								-	-	-	-
11.3.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
11.3.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
11.3.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 12											
NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on the F139 (KC-46) system.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items in column 2 marked with an asterisk (*) identify core tasks. Tasks marked with */R are deferrable for ANG /AFRC until training capability comes available											
ENGINE INSPECTION AND PREVENTIVE MAINTENANCE											
12.1. TR: TOs 00-5-14, 00-20 Series, and											
12.1.1. Constructional Features								-	-	-	-
12.1.2. Engine Systems								-	-	-	-
12.1.3. Extended Operations (ETOPS)								-	-	-	-
12.1.4. General											
12.1.4.1. Inlet and Exhaust		*						-	-	-	-
12.1.4.2. Operate, Input/Retrieve/ Interpret Data								-	-	-	-
12.1.4.3. Remove and Replace Data Transfer								-	-	-	-
12.1.4.4. Fuselage/Wing Access Entry								-	-	-	-
12.1.4.5. Fuselage/Wing Access Exit								-	-	-	-
12.1.4.6. Preparation/Safe for Maintenance	*							-	-	-	-
12.1.4.7. Entry and Cargo Compartment Doors,	*							-	-	-	-
12.1.5. Operate											
12.1.5.1. Aircraft Doors (Service/Entry/Cargo)	*							-	-	-	-
12.1.5.2. Apply Electrical Power	*							-	-	-	-
12.1.5.3. Supply/Remove APU Generator Power	*							-	-	-	-
12.1.5.4. Connect/Disconnect Pneumatic Air								-	-	-	-
12.1.5.5. Maintenance Data Page/System Data	*							-	-	-	-
12.1.5.6. Air Condition Pack Operation	*							-	-	-	-
12.1.5.7. Main Hydraulic Systems	*							-	-	-	-
12.1.5.8. Flaps/Slats System	*							-	-	-	-
12.1.5.9. Aircraft Interior Lights								-	-	-	-
12.1.5.10. Aircraft Exterior Lights								-	-	-	-
ENGINE MAINTENANCE TR: TOs 00-20-1, 00-35D-54, 1-1A-8, 2J-1-13, 2-1-111, and Applicable Aircraft/Engine TOs											
12.2.1.1. Install Engine Water Wash Equipment								-	-	-	-
12.2.1.2. Perform Compressor Wash								-	-	-	-
12.2.1.3. Remove Engine	*							-	-	-	-
12.2.1.4. Install Engine	*							-	-	-	-
12.2.1.5. Special Inspections (Over Speed, Over		*						-	-	-	-
12.2.1.6. Clean Gas Turbine Aircraft Engines	*							-	-	-	-
12.2.1.7. Fire Detector Element (Fire Loop)											
12.2.1.7.1. Remove	*							-	-	-	-
12.2.1.7.2. Inspect		*						-	-	-	-
12.2.1.7.3. Install	*							-	-	-	-
12.2.1.8. Engine Mounts (Fwd/Aft)											
12.2.1.8.1. Remove	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2.1.8.2. Inspect		*						-	-	-	-
12.2.1.8.3. Install	*							-	-	-	-
12.2.2. Engine Cowls											
12.2.2.1. Fan Cowl Opening/Closing	*							-	-	-	-
12.2.2.2. Core Cowl Opening/Closing	*							-	-	-	-
12.2.2.3. Fan Duct Cowl Opening/Closing	*							-	-	-	-
12.2.2.4. Inspect Cowling		*						-	-	-	-
12.2.3. Engine Operation TR: TO 71-00-00											
12.2.3.1. Engine Start								-	-	-	-
12.2.3.2. Perform Operational Checkouts								-	-	-	-
12.2.3.3. Perform Engine Leak Checks								-	-	-	-
12.2.3.4. Engine Shutdown								-	-	-	-
12.2.3.5. Engine Wet Motor											
12.2.3.6. Engine Dry Motor								-	-	-	-
12.2.4. Engine TR: TO 72-00-00											
12.2.4.1. Inspect 1 <sup>st</sup> Stage Stator Vane		*						-	-	-	-
12.2.4.2. Inspect Outer Liner Segments		*						-	-	-	-
12.2.4.3. Inspect Intermediate Case Fairing		*						-	-	-	-
12.2.4.4. Inspect Fan Exit Fairing		*						-	-	-	-
12.2.4.5. Inspect Fan Exit Case and Vane		*						-	-	-	-
12.2.4.6. Inspect Main Gearbox		*						-	-	-	-
12.2.5. 1 <sup>st</sup> Stage Fan Blade											
12.2.5.1. Remove	*							-	-	-	-
12.2.5.2. Inspect								-	-	-	-
12.2.5.3. Install								-	-	-	-
12.2.6. Inlet Cone											
12.2.6.1. Remove	*							-	-	-	-
12.2.6.2. Inspect								-	-	-	-
12.2.6.3. Install								-	-	-	-
12.2.7. Starter Drive Oil Seal											
12.2.7.1. Remove								-	-	-	-
12.2.7.2. Inspect								-	-	-	-
12.2.7.3. Install								-	-	-	-
12.2.8. Angle Gearbox											
12.2.8.1. Remove								-	-	-	-
12.2.8.2. Inspect								-	-	-	-
12.2.8.3. Install								-	-	-	-
12.2.9. Engine Fuel and Control TR: TO 73-00-00											
12.2.9.1. Perform Fuel Flow Indicating System - Operational Test	*							-	-	-	-
12.2.9.2. Perform Thrust Lever Angle - Operational Test								-	-	-	-
12.2.10. Electronic Engine Control (EEC)											
12.2.10.1. Remove								-	-	-	-
12.2.10.2. Inspect								-	-	-	-
12.2.10.3. Install								-	-	-	-
12.2.11. EEC Alternator Stator/Rotor											
12.2.11.1. Remove								-	-	-	-
12.2.11.2. Install								-	-	-	-
12.2.12. Fuel Pump											
12.2.12.1. Remove	*							-	-	-	-
12.2.12.2. Inspect	*							-	-	-	-
12.2.12.3. Install	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A      B		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2.12. Fuel Metering Unit (Fuel Control)											
12.2.13.1. Remove	*							-	-	-	-
12.2.13.2. Inspect	*							-	-	-	-
12.2.13.3. Install	*							-	-	-	-
12.2.14. Fuel Filter											
12.2.14.1. Remove	*							-	-	-	-
12.2.14.2. Inspect								-	-	-	-
12.2.14.3. Install	*							-	-	-	-
12.2.15. Fuel Filter Differential Pressure Switch											
12.2.15.1. Remove	*							-	-	-	-
12.2.15.2. Inspect								-	-	-	-
12.2.15.3. Install	*							-	-	-	-
12.2.16. Fuel Flow Transmitter											
12.2.16.1. Remove	*							-	-	-	-
12.2.16.2. Inspect								-	-	-	-
12.2.16.3. Install	*							-	-	-	-
12.2.17. Fuel Distribution Valve											
12.2.17.1. Remove	*							-	-	-	-
12.2.17.2. Inspect								-	-	-	-
12.2.17.3. Install	*							-	-	-	-
12.2.18. Ignition System TR: TO 74-00-00											
12.2.18.1. Ignition System Visual Check	*							-	-	-	-
12.2.18.2. Ignition System Audible Test	*							-	-	-	-
12.2.18.3. Exciter to Igniter Plug Cable Inspection	*							-	-	-	-
12.2.19. Ignition Exciter											
12.2.19.1. Remove	*							-	-	-	-
12.2.19.2. Inspect	*							-	-	-	-
12.2.19.3. Install	*							-	-	-	-
12.2.20. Ignition Igniter Plug											
12.2.20.1. Remove	*							-	-	-	-
12.2.20.2. Inspect								-	-	-	-
12.2.20.3. Install	*							-	-	-	-
12.2.21. Igniter Plug Cable (Ignition Lead)											
12.2.21.1. Remove	*							-	-	-	-
12.2.21.2. Inspect								-	-	-	-
12.2.21.3. Install	*							-	-	-	-
12.2.22. Air System TR: TO 75-00-00											
12.2.22.1. Inspect Turbine Cooling System		*						-	-	-	-
12.2.23. Variable Stator Vane Actuator											
12.2.23.1. Remove	*							-	-	-	-
12.2.23.2. Inspect								-	-	-	-
12.2.23.3. Install	*							-	-	-	-
12.2.24. Turbine Vane and Blade Cooling Air											
12.2.24.1. Remove								-	-	-	-
12.2.24.2. Inspect								-	-	-	-
12.2.24.3. Install								-	-	-	-
12.2.25. Turbine Vane and Blade Cooling Air											
12.2.25.1. Removal								-	-	-	-
12.2.25.2. Inspect								-	-	-	-
12.2.25.3. Install								-	-	-	-
12.2.26. PS3 Air Filter Element											
12.2.26.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2.26.2.2 Inspect/Clean								-	-	-	-
12.2.26.2. Install								-	-	-	-
12.2.27. 2.5 Bleed Valve Actuator											
12.2.27.1. Remove	*							-	-	-	-
12.2.27.2. Inspect								-	-	-	-
12.2.27.3. Install	*							-	-	-	-
12.2.28. Left/Right 2.9 Bleed Valve											
12.2.28.1. Remove	*							-	-	-	-
12.2.28.2. Inspect								-	-	-	-
12.2.28.3. Install	*							-	-	-	-
12.2.29. Engine Indication TR: TO 77-00-00											
12.2.29.1. EGT Thermocouple Box And Cable Check		*						-	-	-	-
12.2.29.2. Airborne Vibration Monitoring (AVM) System Test		*						-	-	-	-
12.2.29.3 Engine Tachometer System Operational Test		*						-	-	-	-
12.2.29.4 Exhaust Gas Temperature Indication System Check		*						-	-	-	-
12.2.30. Exhaust System TR: TO 78-00-00											
12.2.30.1. Turbine Exhaust System Inspection								-	-	-	-
12.2.31. Turbine Exhaust Sleeve											
12.2.31.1. Remove	*							-	-	-	-
12.2.31.2. Inspect		*						-	-	-	-
12.2.31.3. Install	*							-	-	-	-
12.2.32. Oil System TR: TO 79-00-00											
12.2.32.1. Oil System Tubing Inspection		*						-	-	-	-
12.2.32.2. Oil System Component Inspection		*						-	-	-	-
12.2.32.5. Oil Quantity Indicating System – Operational Test	*							-	-	-	-
12.2.32.6. Oil Pressure Indicating System – Operational Test	*							-	-	-	-
12.2.32.7. Low Oil Pressure Warning System – Operation Test	*							-	-	-	-
12.2.33. Oil Tank											
12.2.33.1. Remove								-	-	-	-
12.2.33.2. Inspect								-	-	-	-
12.2.33.3. Service								-	-	-	-
12.2.33.4. Install	*							-	-	-	-
12.2.33.5. Open Oil Tank Cap	*							-	-	-	-
12.2.33.6. Close Oil Tank Cap	*							-	-	-	-
12.2.34. Magnetic Chip Detector											
12.2.34.1. Remove	*							-	-	-	-
12.2.34.2. Inspect/Clean	*							-	-	-	-
12.2.34.3. Install	*							-	-	-	-
12.2.35. Oil Filter											
12.2.35.1. Remove	*							-	-	-	-
12.2.35.2. Inspect	*							-	-	-	-
12.2.35.3. Install	*							-	-	-	-
12.2.36. Oil Lube and Scavenge Pump											
12.2.36.1. Remove	*							-	-	-	-
12.2.36.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2.36.3. Install	*							-	-	-	-
12.2.37. Oil Quantity Transmitter											
12.2.37.1. Remove	*							-	-	-	-
12.2.37.2. Inspect								-	-	-	-
12.2.37.3. Install	*							-	-	-	-
12.2.38. Oil Pressure Transmitter											
12.2.38.1. Remove	*							-	-	-	-
12.2.38.2. Inspect								-	-	-	-
12.2.38.3. Install	*							-	-	-	-
12.2.39. Engine Wiring Harness											
12.2.39.1. Remove								-	-	-	-
12.2.39.2. Inspect								-	-	-	-
12.2.39.3. Install								-	-	-	-
12.2.40. Engine Gearbox											
12.2.40.1. Remove								-	-	-	-
12.2.40.2. Inspect								-	-	-	-
12.2.40.3. Install								-	-	-	-
12.2.41. Gearbox Garlock Seal											
12.2.41.1. Remove								-	-	-	-
12.2.41.2. Inspect								-	-	-	-
12.2.41.3. Install								-	-	-	-
12.2.42. Air/Oil Exchanger Valve											
12.2.42.1. Remove	*							-	-	-	-
12.2.42.2. Inspect								-	-	-	-
12.2.42.3. Install	*							-	-	-	-
12.2.43. No. 1, 1.5, and 2 Bearing Last Chance											
12.2.43.1. Remove								-	-	-	-
12.2.43.2. Inspect/Clean								-	-	-	-
12.2.43.3. Install								-	-	-	-
12.2.44. No. 3 Bearing Oil Pressure Strainer											
12.2.44.1. Remove								-	-	-	-
12.2.44.2. Inspect								-	-	-	-
12.2.44.3. Install								-	-	-	-
12.2.45. Main and Angle Gearbox Last Chance Oil Strainer											
12.2.45.1. Remove								-	-	-	-
12.2.45.2. Inspect/Clean								-	-	-	-
12.2.45.3. Install								-	-	-	-
12.2.46. No. 4 Bearing Last Chance Oil Strainer											
12.2.46.1. Remove								-	-	-	-
12.2.46.2. Inspect/Clean								-	-	-	-
12.2.46.3. Install								-	-	-	-
12.2.47. IDG TR: TO 24-00-00											
12.2.47.1. IDG Air/Oil Heat Exchanger											
12.2.47.1.1 Remove								-	-	-	-
12.2.47.1.2 Inspect								-	-	-	-
12.2.47.1.3 Install								-	-	-	-
12.2.48. IDG											
12.2.48.1. Remove								-	-	-	-
12.2.48.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
12.2.48.3. Install								-	-	-	-
12.2.48.4. Service								-	-	-	-
12.2.49. IDG Oil Filter											
12.2.49.1. Remove								-	-	-	-
12.2.49.2. Inspect								-	-	-	-
12.2.49.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A		B	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 13											
NOTE 1: The tasks and knowledge listed in this attachment are performed by personnel performing maintenance on T56 (C-130) system.											
NOTE 2: The tasks and knowledge listed in this attachment are performed by personnel in the apprentice (3-level) J3ABR2A631H048C course.											
NOTE 3: These items are T56 unique tasks that are too specific to fall under any of the tasks in STS attachment 2.											
NOTE 4: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE5: Items in column 2 marked with an asterisk (*) identify core tasks. Tasks marked with */R are deferrable for ANG /AFRC until training capability comes available.											
OPERATE TEST EQUIPMENT											
TR: 1C-130H-2-71JG-00-2; 13.1. 1C-130H-2-71JG-00-3; 1C-130H-2-73JG-00-2; 1C-130H-2-77JG-00-1; 3H1-18-2; 2J-T56-56											
13.1.1. Electrical Components Test Set								-	-	-	-
13.1.2. Thermocouple Resistance Tester	*							1a	-	-	-
13.1.3. Thermocouple High Current Tester								-	-	-	-
13.1.4. Prop Synchrophaser System Test Set								-	-	-	-
13.1.5. Scavenge Back Pressure Test Set								-	-	-	-
13.1.6. Propeller Hydraulic Tester								-	-	-	-
13.1.7. Valve Housing Test Stand								-	-	-	-
13.1.8. Accurate Tachometer								-	-	-	-
13.1.9. Performance Calculator								-	-	-	-
13.1.10. Temperature Datum Amplifier Test set	*							2b	-	-	-
13.1.11. Dynamic Balancer								-	-	-	-
13.1.12. Fuel Nozzle Flow Tester								-	-	-	-
ENGINE AND RELATED SYSTEMS TR: 1C-130H-2-70GS-00-1											
13.2.1. Constructional Features								A	-	-	-
13.2.2. Principles of Engine Systems Operation											
13.2.2.1. Compressor								A	-	-	-
13.2.2.2. Combustion								A	-	-	-
13.2.2.3. Turbine								A	-	-	-
13.2.2.4. Gearbox								A	-	-	-
13.2.2.5. Propeller								A	-	-	-
13.2.2.6. Torquemeter/Torqueshaft								A	-	-	-
13.2.2.7. Trace and Interpret System Schematics								-	-	-	-
13.2.2.8. Electrical								A	-	-	-
13.2.2.9. Oil								A	-	-	-
13.2.2.10. Fuel								A	-	-	-
13.2.2.11. Ignition								A	-	-	-
13.2.2.12. Anti-Icing								A	-	-	-
13.2.2.13. Engine Start								A	-	-	-
13.2.2.14. Bleed Air								A	-	-	-
13.2.2.15. Fire Warning								A	-	-	-
13.2.2.16. Engine Indicating								A	-	-	-
13.2.2.17. Overheat Warning								A	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A		B	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.2.2.18. Temperature Datum								A	-	-	-
13.2.2.19. Negative Torque Signal								A	-	-	-
13.2.2.20. Oil Cooler Augmentation								A	-	-	-
13.2.2.21. Mechanical Controls								A	-	-	-
13.2.3. Troubleshoot Systems and Components TR: 1C-130H-2-70FI-00-1-1; 1C-130H-2-70FI-00-1-2											
13.2.3.1. Start								-	-	-	-
13.2.3.2. Ignition								-	-	-	-
13.2.3.3. Oil								-	-	-	-
13.2.3.4. Fuel								-	-	-	-
13.2.3.5. Bleed Air								-	-	-	-
13.2.3.6. Anti-icing								-	-	-	-
13.2.3.7. Fire Warning								-	-	-	-
13.2.3.8. Mechanical Control								-	-	-	-
13.2.3.9. Engine Indicating								-	-	-	-
13.2.3.10. Overheat Warning								-	-	-	-
13.2.3.11. Temperature Datum								-	-	-	-
13.2.3.12. Negative Torque Signal								-	-	-	-
13.2.3.13. Oil Cooler Augmentation								-	-	-	-
13.3. ENGINE MAINTENANCE TR: TOs 00-20 Series, 1-1A8, 2J-1-13, 2J-T56-56, and Applicable Aircraft and Engine TOs											
13.3.1. Reduction Gearbox (RGB) TR: 1C-130H-2-71JG-00-2											
13.3.1.1. Remove								-	-	-	-
13.3.1.2. Disassemble								-	-	-	-
13.3.1.3. Inspect								-	-	-	-
13.3.1.4. Repair								-	-	-	-
13.3.1.5. Assemble								-	-	-	-
13.3.1.6. Install								-	-	-	-
13.3.2. Propeller Brake TR: 1C-130H-2-71JG-00-2											
13.3.2.1. Remove								-	-	-	-
13.3.2.2. Inspect								-	-	-	-
13.3.2.3. Install								-	-	-	-
13.3.2.4. Perform Propeller Brake Flush								-	-	-	-
13.3.3. Torquemeter TR: 1C-130H-2-71JG-00-2											
13.3.3.1. Remove								-	-	-	-
13.3.3.2. Inspect								-	-	-	-
13.3.3.3. Install								-	-	-	-
13.3.3.4. Compressor Module TR: 2J-T56-56											
13.3.4.1. Remove								-	-	-	-
13.3.4.2. Disassemble								-	-	-	-
13.3.4.3. Inspect	*							1a	-	-	-
13.3.4.4. Repair								-	-	-	-
13.3.4.5. Assemble								-	-	-	-
13.3.4.6. Install								-	-	-	-
13.3.4.7. Blend Blades								-	-	-	-
13.3.5. Combustion Section TR: 2J-T56-56											
13.3.5.1. Remove								-	-	-	-
13.3.5.2. Inspect	*							1a	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.5.3. Install								-	-	-	-
13.3.6. Turbine Module TR: 2J-T56-56											
13.3.6.1. Remove								1a	-	-	-
13.3.6.2. Disassemble								-	-	-	-
13.3.6.3. Inspect	*							1a	-	-	-
13.3.6.4. Assemble								-	-	-	-
13.3.6.5. Install								1a	-	-	-
13.3.6.6. Set Turbine Rotor Axial Clearance								1a	-	-	-
13.3.7. Engine Rigging TR: 1C-130H-2-76JG-00-1											
13.3.7.1. Rig Firewall to Coordinator	*							1a	-	-	-
13.3.7.2. Rig Coordinator to Fuel control	*							-	-	-	-
13.3.7.3. Rig Coordinator to Propeller	*							1a	-	-	-
13.3.7.4. Throttle Control System								-	-	-	-
13.3.7.5. Condition Control System								-	-	-	-
13.3.8. Turbine Rear Bearing Support (Trbs) TR: 1C-130H-2-71JG-00-2											
13.3.8.1. Remove	*							1a	-	-	-
13.3.8.2. Disassemble	*							1a	-	-	-
13.3.8.3. Inspect	*							1a	-	-	-
13.3.8.4. Assemble	*							1a	-	-	-
13.3.8.5. Install	*							1a	-	-	-
13.3.9. Tailpipe Exhaust TR: 1C-130H-2-71JG-00-2											
13.3.9.1. Remove								-	-	-	-
13.3.9.2. Inspect								-	-	-	-
13.3.9.3. Install								-	-	-	-
13.3.10. Accessory Drive Housing TR: 2J-T56-56											
13.3.10.1. Remove								-	-	-	-
13.3.10.2. Disassemble								-	-	-	-
13.3.10.3. Inspect								-	-	-	-
13.3.10.4. Repair								-	-	-	-
13.3.10.5. Assemble								-	-	-	-
13.3.10.6. Install								-	-	-	-
13.3.11. Fuel Control TR: 1C-130H-2-73JG-00-1											
13.3.11.1. Remove	*							-	-	-	-
13.3.11.2. Inspect		*						-	-	-	-
13.3.11.3. Install	*							-	-	-	-
13.3.11.4. Adjust		*						-	-	-	-
13.3.12. Fuel Pump TR: 1C-130H-2-73JG-00-1											
13.3.12.1. Remove								-	-	-	-
13.3.12.2. Inspect								-	-	-	-
13.3.12.3. Install								-	-	-	-
13.3.13. Temperature Datum Valve TR: 1C-130H-2-73JG-00-2											
13.3.13.1. Remove								1a	-	-	-
13.3.13.2. Inspect								-	-	-	-
13.3.13.3. Install								1a	-	-	-
13.3.13.4. Adjust	*							a	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.14. Fuel Heater Strainer Assembly TR: 1C-130H-2-73JG-00-1											
13.3.14.1. Remove								-	-	-	-
13.3.14.2. Inspect								-	-	-	-
13.3.14.3. Install								-	-	-	-
13.3.15. Fuel Nozzles TR: 1C-130H-2-73JG-00-1											
13.3.15.1. Remove	*							2b	-	-	-
13.3.15.2. Clean	*							a	-	-	-
13.3.15.3. Inspect	*							1a	-	-	-
13.3.15.4. Install	*							2b	-	-	-
13.3.16. Fuel Flow Transmitter TR: 1C-130H-2-73JG-00-1											
13.3.16.1. Remove								-	-	-	-
13.3.16.2. Inspect								-	-	-	-
13.3.16.3. Install								-	-	-	-
13.3.17. Fuel Control Shutoff Actuator TR: 1C-130H-2-73JG-00-1											
13.3.17.1. Remove								-	-	-	-
13.3.17.2. Inspect								-	-	-	-
13.3.17.3. Install								-	-	-	-
13.3.18. Low Speed Ground Idle Solenoid TR: 1C-130H-2-73JG-00-1											
13.3.18.1. Remove								-	-	-	-
13.3.18.2. Inspect								-	-	-	-
13.3.18.3. Install								-	-	-	-
13.3.19. Enrichment Valve TR: 1C-130H-2-73JG-00-1											
13.3.19.1. Remove								-	-	-	-
13.3.19.2. Inspect								-	-	-	-
13.3.19.3. Install								-	-	-	-
13.3.20. Paralleling Valve TR: 1C-130H-2-73JG-00-1											
13.3.20.1. Remove								2b	-	-	-
13.3.20.2. Inspect								b	-	-	-
13.3.20.3. Install								2b	-	-	-
13.3.21. Manifold Drain Valve TR: 1C-130H-2-73JG-00-1											
13.3.21.1. Remove								-	-	-	-
13.3.21.2. Inspect								-	-	-	-
13.3.21.3. Install								-	-	-	-
13.3.22. Fuel Pressure Signal Switch TR: 1C-130H-2-73JG-00-1											
13.3.22.1. Remove								-	-	-	-
13.3.22.2. Inspect								-	-	-	-
13.3.22.3. Install								-	-	-	-
13.3.23. Secondary Fuel Pump Pressure Switch TR: 1C-130H-2-73JG-00-1											
13.3.23.1. Remove								2b	-	-	-
13.3.23.2. Inspect								-	-	-	-
13.3.23.3. Install								2b	-	-	-
13.3.24. Manifold Pressure Switch TR: 1C-130H-2-73JG-00-1											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.24.1. Remove								-	-	-	-
13.3.24.2. Inspect								-	-	-	-
13.3.24.3. Install								-	-	-	-
13.3.25. Fuel Heater Strainer Filter TR: 1C-130H-2-73JG-00-1											
13.3.25.1. Remove	*							-	-	-	-
13.3.25.2. Inspect	*							-	-	-	-
13.3.25.3. Install	*							-	-	-	-
13.3.26. Low Pressure Fuel Filter TR: 1C-130H-2-73JG-00-1											
13.3.26.1. Remove	*							-	-	-	-
13.3.26.2. Inspect								-	-	-	-
13.3.26.3. Install	*							-	-	-	-
13.3.27. High Pressure Fuel Filter TR: 1C-130H-2-73JG-00-1											
13.3.27.1. Remove	*							1a	-	-	-
13.3.27.2. Inspect								-	-	-	-
13.3.27.3. Install	*							1a	-	-	-
13.3.28. Power Section Oil Pump TR: 1C-130H-2-79JG-00-1											
13.3.28.1. Remove								1a	-	-	-
13.3.28.2. Inspect								-	-	-	-
13.3.28.3. Install								1a	-	-	-
13.3.28.4. Adjust								-	-	-	-
13.3.29. Reduction Gearbox Main Oil Pump TR: 1C-130H-2-79JG-00-1											
13.3.29.1. Remove								-	-	-	-
13.3.29.2. Inspect								-	-	-	-
13.3.29.3. Install								-	-	-	-
13.3.29.4. Adjust								-	-	-	-
13.3.30. External Scavenge Oil Pump TR: 1C-130H-2-79JG-00-1											
13.3.30.1. Remove								-	-	-	-
13.3.30.2. Inspect								-	-	-	-
13.3.30.3. Install								-	-	-	-
13.3.31. Turbine Rear Bearing Scavenge Oil Pump TR: 1C-130H-2-79JG-00-1											
13.3.31.1. Remove								1a	-	-	-
13.3.31.2. Inspect								1a	-	-	-
13.3.31.3. Install								1a	-	-	-
13.3.32. Power Section Oil Filter TR: 1C-130H-2-79JG-00-1											
13.3.32.1. Remove	*							1a	-	-	-
13.3.32.2. Disassemble								-	-	-	-
13.3.32.3. Inspect								-	-	-	-
13.3.32.4. Reassemble								-	-	-	-
13.3.32.5. Install	*							1a	-	-	-
13.3.33. Reduction Gearbox Oil Filter TR: 1C-130H-2-79JG-00-1											
13.3.33.1. Remove	*							1a	-	-	-
13.3.33.2. Disassemble								-	-	-	-
13.3.33.3. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.33.4. Reassemble								-	-	-	-
13.3.33.5. Install	*							1a	-	-	-
13.3.34. External Scavenge Oil Filter TR: 1C-130H-2-79JG-00-1											
13.3.34.1. Remove	*							-	-	-	-
13.3.34.2. Inspect								-	-	-	-
13.3.34.3. Install	*							-	-	-	-
13.3.35. Oil Tank TR: 1C-130H-2-79JG-00-1											
13.3.35.1. Remove								-	-	-	-
13.3.35.2. Inspect								-	-	-	-
13.3.35.3. Install								-	-	-	-
13.3.35.4. Service	*							-	-	-	-
13.3.36. Oil Cooler TR: 1C-130H-2-79JG-00-1											
13.3.36.1. Remove								-	-	-	-
13.3.36.2. Inspect								-	-	-	-
13.3.36.3. Install								-	-	-	-
13.3.37. Oil Cooler Flap Actuator TR: 1C-130H-2-79JG-00-1											
13.3.37.1. Remove	*							1a	-	-	-
13.3.37.2. Inspect								-	-	-	-
13.3.37.3. Install	*							1a	-	-	-
13.3.38. Oil Temperature Control Thermostat TR: 1C-130H-2-79JG-00-1											
13.3.38.1. Remove								-	-	-	-
13.3.38.2. Inspect								-	-	-	-
13.3.38.3. Install								-	-	-	-
13.3.39. Oil Temperature Bulb TR: 1C-130H-2-79JG-00-1											
13.3.39.1. Remove								-	-	-	-
13.3.39.2. Inspect								-	-	-	-
13.3.39.3. Install								-	-	-	-
13.3.40. Oil Cooler Augmentation Pressure Switch TR: 1C-130H-2-79JG-00-1											
13.3.40.1. Remove								-	-	-	-
13.3.40.2. Inspect								-	-	-	-
13.3.40.3. Install								-	-	-	-
13.3.41. Oil Cooler Augmentation Air Valve TR: 1C-130H-2-79JG-00-1											
13.3.41.1. Remove								-	-	-	-
13.3.41.2. Inspect								-	-	-	-
13.3.41.3. Install								-	-	-	-
13.3.42. Oil Tank Shut-Off Valve TR: 1C-130H-2-79JG-00-1											
13.3.42.1. Remove								-	-	-	-
13.3.42.2. Inspect								-	-	-	-
13.3.42.3. Install								-	-	-	-
13.3.43. Oil Pressure Transmitter TR: 1C-130H-2-79JG-00-1											
13.3.43.1. Remove								-	-	-	-
13.3.43.2. Inspect								-	-	-	-
13.3.43.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.43.4. Adjust								-	-	-	-
13.3.44. Oil Quantity Transmitter TR: 1C-130H-2-79JG-00-1											
13.3.44.1. Remove								-	-	-	-
13.3.44.2. Inspect								-	-	-	-
13.3.44.3. Install								-	-	-	-
13.3.45. Ignition Relay TR: 1C-130H-2-80JG-00-1											
13.3.45.1. Remove	*							2b	-	-	-
13.3.45.2. Inspect								-	-	-	-
13.3.45.3. Install	*							2b	-	-	-
13.3.46. Igniter Plugs TR: 1C-130H-2-80JG-00-1											
13.3.46.1. Remove	*							1a	-	-	-
13.3.46.2. Inspect								-	-	-	-
13.3.46.3. Install	*							1a	-	-	-
13.3.47. Ignition Exciter TR: 1C-130H-2-80JG-00-1								-	-	-	-
13.3.47.1. Remove								1a	-	-	-
13.3.47.2. Inspect								-	-	-	-
13.3.47.3. Install								1a	-	-	-
13.3.48. Igniter Leads TR: 1C-130H-2-80JG-00-1											
13.3.48.1. Remove								-	-	-	-
13.3.48.2. Inspect								-	-	-	-
13.3.48.3. Install								-	-	-	-
13.3.49. Scoop Anti-Icing Air Valve TR: 1C-130H-2-80JG-00-1											
13.3.49.1. Remove								-	-	-	-
13.3.49.2. Inspect								-	-	-	-
13.3.49.3. Install								-	-	-	-
13.3.50. Anti-Icing Solenoid Valve TR: 1C-130H-2-80JG-00-1											
13.3.50.1. Remove								1a	-	-	-
13.3.50.2. Inspect								-	-	-	-
13.3.50.3. Install								1a	-	-	-
13.3.51. Inlet Anti-Icing Air Valve TR: 1C-130H-2-80JG-00-1											
13.3.51.1. Remove								1a	-	-	-
13.3.51.2. Inspect								-	-	-	-
13.3.51.3. Install								1a	-	-	-
13.3.52. Ice Detector TR: 1C-130H-2-71JG-00-2											
13.3.52.1. Remove								-	-	-	-
13.3.52.2. Inspect								-	-	-	-
13.3.52.3. Install								-	-	-	-
13.3.53. Thermocouples TR: 1C-130H-2-73JG-00-2											
13.3.53.1. Remove	*							2b	-	-	-
13.3.53.2. Inspect	*							1a	-	-	-
13.3.53.3. Install	*							2b	-	-	-
13.3.54. Thermocouple Harness TR: 1C-130H-2-73JG-00-2											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.54.1. Remove								1a	-	-	-
13.3.54.2. Inspect								-	-	-	-
13.3.54.3. Install								1a	-	-	-
13.3.55. Thermocouple Harness Terminal (T block) TR: 1C-130H-2-73JG-00-2											
13.3.55.1. Remove	*							1a	-	-	-
13.3.55.2. Inspect								-	-	-	-
13.3.55.3. Install	*							1a	-	-	-
13.3.56. Turbine Thermocouple Cable (Y-Lead) TR: 1C-130H-2-73JG-00-2											
13.3.56.1. Remove								-	-	-	-
13.3.56.2. Inspect								-	-	-	-
13.3.56.3. Install								-	-	-	-
13.3.57. Starter TR: 1C-130H-2-80JG-00-1											
13.3.57.1. Remove	*							2b	-	-	-
13.3.57.2. Inspect								-	-	-	-
13.3.57.3. Install	*							2b	-	-	-
13.3.57.4. Service								a	-	-	-
13.3.58. Starter Pressure Switch TR: 1C-130H-2-80JG-00-1											
13.3.58.1. Remove								-	-	-	-
13.3.58.2. Inspect								-	-	-	-
13.3.58.3. Install								-	-	-	-
13.3.59. Starter Control Valve TR: 1C-130H-2-80JG-00-1											
13.3.59.1. Remove	*							2b	-	-	-
13.3.59.2. Inspect								-	-	-	-
13.3.59.3. Install	*							2b	-	-	-
13.3.60. Speed Sensitive Valve TR: 1C-130H-2-80JG-00-1											
13.3.60.1. Remove								1a	-	-	-
13.3.60.2. Inspect								-	-	-	-
13.3.60.3. Install								1a	-	-	-
13.3.61. Speed Sensitive Valve Air Filter TR: 1C-130H-2-80JG-00-1											
13.3.61.1. Remove								-	-	-	-
13.3.61.2. Inspect								-	-	-	-
13.3.61.3. Install								-	-	-	-
13.3.62. AC Generator TR: 1C-130H-2-80JG-00-1											
13.3.62.1. Remove								-	-	-	-
13.3.62.2. Inspect								-	-	-	-
13.3.62.3. Install								-	-	-	-
13.3.63. Coordinator TR: 1C-130H-2-73JG-00-1											
13.3.63.1. Remove	*							-	-	-	-
13.3.63.2. Inspect		*						-	-	-	-
13.3.63.3. Install	*							-	-	-	-
13.3.64. Hydraulic Pump TR: 1C-130H-2-29JG-00-1-1											
13.3.64.1. Remove								-	-	-	-
13.3.64.2. Inspect								-	-	-	-
13.3.64.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.65. Speed Sensitive Control TR: 1C-130H-2-80JG-00-1											
13.3.65.1. Remove	*							2b	-	-	-
13.3.65.2. Inspect								-	-	-	-
13.3.65.3. Install	*							2b	-	-	-
13.3.66. Tachometer Generator TR: 1C-130H-2-77JG-00-1											
13.3.66.1. Remove								-	-	-	-
13.3.66.2. Inspect								-	-	-	-
13.3.66.3. Install								-	-	-	-
13.3.67. Temperature Datum Amplifier TR: 1C-130H-2-73JG-00-2											
13.3.67.1. Remove	*							1a	-	-	-
13.3.67.2. Inspect								-	-	-	-
13.3.67.3. Install	*							1a	-	-	-
13.3.67.4. Adjust	*							2b	-	-	-
13.3.68. Torquemeter Magnetic Pick-up TR: 1C-130H-2-77JG-00-1											
13.3.68.1. Remove								1a	-	-	-
13.3.68.2. Inspect								1a	-	-	-
13.3.68.3. Install								1a	-	-	-
13.3.69. Quick Engine Change (QEC) Kit TR: 1C-130H-2-71JG-00-2											
13.3.69.1. Remove								-	-	-	-
13.3.69.2. Inspect								-	-	-	-
13.3.69.3. Repair								-	-	-	-
13.3.69.4. Install								-	-	-	-
13.3.70. Engine Cowling and Access Panels TR: 1-1A-8											
13.3.70.1. Remove								1a	-	-	-
13.3.70.2. Inspect								-	-	-	-
13.3.70.3. Install								1a	-	-	-
13.3.71. Engine Mounts TR: 1C-130H-2-71JG-00-1											
13.3.71.1. Remove								-	-	-	-
13.3.71.2. Disassemble								-	-	-	-
13.3.71.3. Inspect								-	-	-	-
13.3.71.4. Assemble								-	-	-	-
13.3.71.5. Install								-	-	-	-
13.3.72. Gimble Assembly TR: 1C-130H-2-76JG-00-1											
13.3.72.1. Remove	*							-	-	-	-
13.3.72.2. Disassemble								-	-	-	-
13.3.72.3. Inspect		*						-	-	-	-
13.3.72.4. Assemble								-	-	-	-
13.3.72.5. Install	*							-	-	-	-
13.3.73. Engine Relay Box TR: 2J-T56-56											
13.3.73.1. Remove								-	-	-	-
13.3.73.2. Inspect								-	-	-	-
13.3.73.3. Install								-	-	-	-
13.3.73.4. Test								-	-	-	-
13.3.74. Compressor Bleed Air Valves											

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.3.74.1. Remove								-	-	-	-
13.3.74.2. Inspect								-	-	-	-
13.3.74.3. Install								-	-	-	-
13.3.75. Compressor Bleed Air Collector											
13.3.75.1. Remove								-	-	-	-
13.3.75.2. Inspect								-	-	-	-
13.3.75.3. Install								-	-	-	-
13.4. ENGINE REMOVAL AND INSTALLATION IN AIR FRAME TR: TOs 1-1A-8, 2J-1-24; and TR: 1C-130H-2-71JG-00-2											
13.4.1. Remove	*							1a	-	-	-
13.4.2. Install	*							1a	-	-	-
13.4.3. Service Engine								a	-	-	-
13.4.4. Rig Engine Control Cables/Linkages								-	-	-	-
13.4.5. No-Load Engine/Wing								-	-	-	-
13.5. AIRCRAFT INSTALLED ENGINE TESTING TR: 1C-130H-2-71JG-001; 1C-130H-2-71JG-00-3; 1C-130H-2-77JG-00-1; 11-218											
13.5.1. Perform Pre Operational Checks								-	-	-	-
13.5.2. Perform Operational Checks of Engine								-	-	-	-
13.5.3. Adjust Engine Components								-	-	-	-
13.5.4. Remove Engine Indicators								-	-	-	-
13.5.5. Install Engine Indicators								-	-	-	-
13.5.6. Calibrate Torque Indicator								-	-	-	-
13.5.7. Evaluate Engine Performance								-	-	-	-
13.5.8. Perform Post- Operational Checks								-	-	-	-
13.5.9. Observe Safety and Ground Procedures								-	-	-	-
13.5.10. Propeller Balance								-	-	-	-
13.6. TEST STAND ENGINE TESTING TR: TO 33D4-6-212-61; TR: 1C-130H-2-71JG-00-1											
13.6.1. Perform Pre- Operational Checks								-	-	-	-
13.6.2. Perform Operational Checks of Engine in Test Stand								-	-	-	-
13.6.3. Evaluate Engine Performance								-	-	-	-
13.6.4. Adjust engine components								-	-	-	-
13.6.5. Perform Post- Operational Checks								-	-	-	-
13.6.6. Install Engine on Test Stand								-	-	-	-
13.6.7. Install Turbine Shroud								-	-	-	-
13.6.8. Remove Engine from Test Stand								-	-	-	-
13.6.9. Remove Turbine Shroud								-	-	-	-
13.6.10. Observe Safety and Ground Procedures								-	-	-	-
13.6.11. Operate Test Stand								-	-	-	-
13.6.12. Inspect Test Stand								-	-	-	-
13.6.13. Maintain Test Stand								-	-	-	-
13.6.14. Propeller Balance								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.6.15. Set Up/Erect Test Stand								-	-	-	-
13.6.16. Disassemble Test Stand								-	-	-	-
13.6.17. Troubleshoot Test Stand								-	-	-	-
13.7. PROPELLER TR: 1C-130H-2-61GS-00-1											
13.7.1. Fundamentals											
13.7.1.1. Constructional Features								A	-	-	-
13.7.1.2. Operating Principles								A	-	-	-
13.7.2. Propeller Maintenance TR: 00-20 Series, 1- 1A-8, and Applicable Aircraft and Propeller TOs											
13.7.2.1. Propeller Assembly TR: 1C-130H-2-61JG-10-1											
13.7.2.1.1. Remove	*							2b	-	-	-
13.7.2.1.2. Inspect		*						1a	-	-	-
13.7.2.1.3. Install	*							2b	-	-	-
13.7.2.1.4. Disassemble								-	-	-	-
13.7.2.1.5. Repair								-	-	-	-
13.7.2.1.6. Assemble								-	-	-	-
13.7.2.1.7. Service	*							a	-	-	-
13.7.2.1.8. Adjust Blade Angles	*							1a	-	-	-
13.7.2.1.9. Rig Propeller Linkage		*						1a	-	-	-
13.7.2.1.10. Perform Operational Checks								-	-	-	-
13.7.2.2. Blade Assembly TR: 1C-130H-2-61JG-10-1; 3H1-18-2											
13.7.2.2.1. Blade Repair(on Equipment)								-	-	-	-
13.7.2.2.2. Blade Repair (off Equipment)								a	-	-	-
13.7.2.3. Control Assembly TR: 3H1-18-2											
13.7.2.3.1. Remove								-	-	-	-
13.7.2.3.2. Inspect								-	-	-	-
13.7.2.3.3. Repair								-	-	-	-
13.7.2.3.4. Test								-	-	-	-
13.7.2.3.5. Install								-	-	-	-
13.7.2.4. Rear Lip Seal TR: 1C-130H-2-61JG-20-1											
13.7.2.4.1. Remove								-	-	-	-
13.7.2.4.2. Install								-	-	-	-
13.7.2.5. Front Cover Seal TR: 1C-130H-2-61JG-20-1											
13.7.2.5.1. Remove								-	-	-	-
13.7.2.5.2. Install								-	-	-	-
13.7.2.6. Valve Housing Assembly/EPCS TR: 1C-130H-2-61JG-20-1											
13.7.2.6.1. Remove	*							-	-	-	-
13.7.2.6.2. Inspect		*						-	-	-	-
13.7.2.6.3. Repair								-	-	-	-
13.7.2.6.4. Test								-	-	-	-
13.7.2.6.5. Adjust								-	-	-	-
13.7.2.6.6. Install	*							-	-	-	-
13.7.2.7. Propeller Supply and Standby Filter TR: 1C-130H-2-61JG-20-1											
13.7.2.7.1. Remove	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.7.2.7.2. Disassemble								-	-	-	-
13.7.2.7.3. Inspect								-	-	-	-
13.7.2.7.4. Assemble								-	-	-	-
13.7.2.7.5. Install	*							-	-	-	-
13.7.2.8. Hub Mounting Bulkhead TR: 3H1-18-2											
13.7.2.8.1. Remove								-	-	-	-
13.7.2.8.2. Inspect								-	-	-	-
13.7.2.8.3. Install								-	-	-	-
13.7.2.9. Dome TR: 1C-130H-2-61JG-10-1											
13.7.2.9.1. Remove								-	-	-	-
13.7.2.9.2. Inspect								-	-	-	-
13.7.2.9.3. Install								-	-	-	-
13.7.2.10. Dome Piston Seal TR: 1C-130H-2-61JG-10-1											
13.7.2.10.1. Remove								-	-	-	-
13.7.2.10.2. Inspect								-	-	-	-
13.7.2.10.3. Install								-	-	-	-
13.7.2.11. Low Pitch Stop TR: 1C-130H-2-61JG-10-1											
13.7.2.11.1. Remove								-	-	-	-
13.7.2.11.2. Inspect								-	-	-	-
13.7.2.11.3. Install								-	-	-	-
13.7.2.11.4. Adjust	*							-	-	-	-
13.7.2.12. Pitchlock Regulator TR: 1C-130H-2-61JG-10-1											
13.7.2.12.1. Remove								-	-	-	-
13.7.2.12.2. Inspect								-	-	-	-
13.7.2.12.3. Install								-	-	-	-
13.7.2.13. Synchrophaser Unit TR: 1C-130H-2-61JG-20-1											
13.7.2.13.1. Remove								-	-	-	-
13.7.2.13.2. Inspect								-	-	-	-
13.7.2.13.3. Install								-	-	-	-
13.7.2.14. Brush Block TR: 1C-130H-2-61JG-20-1											
13.7.2.14.1. Remove	*							2b	-	-	-
13.7.2.14.2. Inspect	*							-	-	-	-
13.7.2.14.3. Repair								-	-	-	-
13.7.2.14.4. Test								-	-	-	-
13.7.2.14.5. Install	*							2b	-	-	-
13.7.2.15. Pulse Generator TR: 1C-130H-2-61JG-20-1											
13.7.2.15.1. Remove								-	-	-	-
13.7.2.15.2. Inspect								-	-	-	-
13.7.2.15.3. Install								-	-	-	-
13.7.2.16. Float Switch TR: 1C-130H-2-61JG-20-1											
13.7.2.16.1. Remove								-	-	-	-
13.7.2.16.2. Inspect								-	-	-	-
13.7.2.16.3. Install								-	-	-	-
13.7.2.17. Pressure Cutout Switch TR: 1C-130H-2-61JG-20-1											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A      B		A	B	C	D	E	A		B	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.7.2.17.1. Remove								-	-	-	-
13.7.2.17.2. Inspect								-	-	-	-
13.7.2.17.3. Install								-	-	-	-
13.7.2.18. Pressure Cutout Backup Switch TR: 1C-130H-2-61JG-20-1											
13.7.2.18.1. Remove								-	-	-	-
13.7.2.18.2. Inspect								-	-	-	-
13.7.2.18.3. Adjust								-	-	-	-
13.7.2.18.4. Install								-	-	-	-
13.7.2.19. Beta Switch TR: 1C-130H-2-61JG-20-1											
13.7.2.19.1. Remove								-	-	-	-
13.7.2.19.2. Inspect								-	-	-	-
13.7.2.19.3. Adjust								-	-	-	-
13.7.2.19.4. Install								-	-	-	-
13.7.2.20. Negative Torque Signal (NTS) Switch TR: 1C-130H-2-61JG-20-1											
13.7.2.20.1. Remove								-	-	-	-
13.7.2.20.2. Inspect								-	-	-	-
13.7.2.20.3. Adjust								-	-	-	-
13.7.2.20.4. Install								-	-	-	-
13.7.2.21. Throttle Anticipation Potentiometer TR: 1C-130H-2-61JG-20-1											
13.7.2.21.1. Remove								-	-	-	-
13.7.2.21.2. Inspect								-	-	-	-
13.7.2.21.3. Install								-	-	-	-
13.7.2.22. Auxiliary Pump Motor TR: 1C-130H-2-61JG-20-1											
13.7.2.22.1. Remove								-	-	-	-
13.7.2.22.2. Inspect								-	-	-	-
13.7.2.22.3. Install								-	-	-	-
13.7.2.23. Feather Solenoid TR: 1C-130H-2-61JG-20-1											
13.7.2.23.1. Remove								-	-	-	-
13.7.2.23.2. Inspect								-	-	-	-
13.7.2.23.3. Install								-	-	-	-
13.7.2.24. Deicer Contact Ring Assembly TR: 3H1-18-2											
13.7.2.24.1. Remove								-	-	-	-
13.7.2.24.2. Inspect	*							-	-	-	-
13.7.2.24.3. Install								-	-	-	-
13.7.2.25. After body TR: 1C-130H-2-61JG-10-1											
13.7.2.25.1. Remove	*							-	-	-	-
13.7.2.25.2. Inspect								-	-	-	-
13.7.2.25.3. Install	*							-	-	-	-
13.7.2.26. Front Spinner TR: 1C-130H-2-61JG-10-1											
13.7.2.26.1. Remove	*							-	-	-	-
13.7.2.26.2. Inspect		*						-	-	-	-
13.7.2.26.3. Repair								-	-	-	-
13.7.2.26.4. Install	*							-	-	-	-
13.7.2.27. Rear Spinner TR: 3H1-18-2											
13.7.2.27.1. Remove								-	-	-	-
13.7.2.27.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
13.7.2.27.3. Repair								-	-	-	-
13.7.2.27.4. Install								-	-	-	-
13.7.2.28. After body Mounting Bracket TR: 3H1-18-2											
13.7.2.28.1. Remove								-	-	-	-
13.7.2.28.2. Inspect		*						-	-	-	-
13.7.2.28.3. Repair								-	-	-	-
13.7.2.28.4. Install								-	-	-	-
13.8. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
13.8.1. Installed Engine Run Certifying Official								-	-	-	-
13.8.2. All Systems IPI (no egress, welding, munitions, fuel cell in-tank)								-	-	-	-
13.8.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
13.8.4. Flexible Borescope Certifying Official								-	-	-	-
13.8.5. Engine Blade Blend Certifying Official								-	-	-	-
13.8.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
13.8.7. IPI by PAFSC and MDS								-	-	-	-
13.8.8. Red-X and/or IPI - Limited								-	-	-	-
13.8.9. Installed Engine Run by MDS								-	-	-	-
13.8.10. Engine Blade Blending								-	-	-	-
13.8.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
13.8.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
13.8.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
13.8.14. Engine Flexible Borescope Inspections								-	-	-	-
13.8.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC/Auxiliary Power Plant (APP) Operator								-	-	-	-
13.8.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
13.8.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 14:

NOTE 1: This attachment is for the AE2100D engine (C130J model aircraft).

NOTE 2: The tasks and knowledge listed in this attachment are performed by personnel in the apprentice (3-level) J3ABR2A631H048C course.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks marked with \*/R are deferrable for ANG /AFRC until training capability comes available.

14.1.	OPERATE TEST EQUIPMENT TR: TO 1C-130J-2-72JG-00-1; 31S5-4-2834-1										
14.1.1.	Engine Electronic Turning Tool							-	-	-	-
14.1.2.	Data Transfer and Diagnostic System (DTADS)	*						A	-	-	-
14.2.	AIRCRAFT RELATED SYSTEMS TR: TO 1C-130J-2-46GS-00-1; 1C-130J-2-31GS-00-1; 1C-130J-2-48GS-00-1										
14.2.1.	Avionics Management Unit (AMU)							A	-	-	-
14.2.1.1.	Operate Avionics Management Unit (AMU)	*						-	-	-	-
14.2.2.	Dual Slotted Data Transfer System (DSDTS)							-	-	-	-
14.2.3.	Communication/ Navigation/ Identification Management unit (CNI-MU)							A	-	-	-
14.3.	ENGINE AND RELATED SYSTEMS TR: 1C-130J-2-70GS-00-1										
14.3.1.	Constructional Features							A	-	-	-
14.3.2.	Principles of Engine Systems Operation TR: 1C-130J-2-70GS-00-1										
14.3.2.1.	Starter							A	-	-	-
14.3.2.2.	Ignition							A	-	-	-
14.3.2.3.	Oil							A	-	-	-
14.3.2.4.	Fuel							A	-	-	-
14.3.2.5.	Bleed Air							A	-	-	-
14.3.2.6.	Anti-Ice							A	-	-	-
14.3.2.7.	Fire Warning							-	-	-	-
14.3.2.8.	Overheat Warning							-	-	-	-
14.3.2.9.	Indicating							A	-	-	-
14.3.2.10.	Oil Cooler Augmentation							-	-	-	-
14.3.2.11.	Exhaust							-	-	-	-
14.3.2.12.	Variable Inlet Guide Vane Actuators and Linkage Systems							A	-	-	-
14.3.3.	Troubleshoot Systems and Components TR: 1C-130J-2-71FI-00-1										
14.3.3.1.	Starter							-	-	-	-
14.3.3.2.	Ignition							-	-	-	-
14.3.3.3.	Oil							-	-	-	-
14.3.3.4.	Fuel							-	-	-	-
14.3.3.5.	Bleed Air							-	-	-	-
14.3.3.6.	Anti-Icing							-	-	-	-
14.3.3.7.	Fire Warning							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.3.3.8. Overheat Warning								-	-	-	-
14.3.3.9. Indicating								-	-	-	-
14.3.3.10. Oil Cooler Augmentation								-	-	-	-
14.3.3.11. Exhaust								-	-	-	-
14.3.3.12. Variable Inlet Guide Vanes								-	-	-	-
14.4. ENGINE MAINTENANCE											
14.4.1. Engine Cowling and Access Panels TR: 1C-130J-2-00GV-00-1											
14.4.1.1. Remove								-	-	-	-
14.4.1.2. Inspect								-	-	-	-
14.4.1.3. Install								-	-	-	-
14.4.2. Engine Mounts TR: 1C-130J-2-71JG-00-2											
14.4.2.1. Remove								-	-	-	-
14.4.2.2. Inspect								-	-	-	-
14.4.2.3. Install								-	-	-	-
14.4.3. Engine Plumbing TR 1-1A-8, 42E1-1-1											
14.4.3.1. Remove								-	-	-	-
14.4.3.2. Inspect								-	-	-	-
14.4.3.3. Install								-	-	-	-
14.4.4. Inspect Section/ Module TR 1C-130J-2-72JG-00-1											
14.4.4.1. Inspect Turbine Section		*						-	-	-	-
14.4.4.2. Inspect Combustion Section		*						-	-	-	-
14.4.4.3. Inspect Compressor Module		*						-	-	-	-
14.4.4.4. Inspect Propeller Gearbox		*						-	-	-	-
14.4.5. Fuel Nozzles TR 1C-130J-2-73JG-00-1											
14.4.5.1. Remove								-	-	-	-
14.4.5.2. Inspect		*						-	-	-	-
14.4.5.3. Install								-	-	-	-
14.4.6. Starter TR 1C-130J-2-80JG-00-1											
14.4.6.1. Remove	*							-	-	-	-
14.4.6.2. Inspect		*						-	-	-	-
14.4.6.3. Install	*							-	-	-	-
14.4.6.4. Service								-	-	-	-
14.4.7. Starter Control Valve TR 1C-130J-2-80JG-00-1											
14.4.7.1. Remove	*							2b	-	-	-
14.4.7.2. Inspect								-	-	-	-
14.4.7.3. Install	*							2b	-	-	-
14.4.8. Permanent Magnetic Alternator Stator TR 1C-130J-2-74JG-00-1											
14.4.8.1. Remove								-	-	-	-
14.4.8.2. Inspect								-	-	-	-
14.4.8.3. Install								-	-	-	-
14.4.9. Exciter TR 1C-130J-2-74JG-00-1											
14.4.9.1. Remove								-	-	-	-
14.4.9.2. Inspect								-	-	-	-
14.4.9.3. Install								-	-	-	-
14.4.10. Igniter Lead TR 1C-130J-2-74JG-00-1											
14.4.10.1. Remove								-	-	-	-
14.4.10.2. Inspect								-	-	-	-
14.4.10.3. Install								-	-	-	-
14.4.11. Igniter TR 1C-130J-2-74JG-00-1											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.4.11.1. Remove								-	-	-	-
14.4.11.2. Inspect								-	-	-	-
14.4.11.3. Install								-	-	-	-
14.4.12. Oil Tank TR 1C-130J-2-79JG-00-1											
14.4.12.1. Remove								-	-	-	-
14.4.12.2. Inspect								-	-	-	-
14.4.12.3. Install								-	-	-	-
14.4.12.4. Service	*							-	-	-	-
14.4.13. Oil Tank Pressurizing Valve TR 1C-130J-2-79JG-00-1											
14.4.13.1. Remove								-	-	-	-
14.4.13.2. Inspect								-	-	-	-
14.4.13.3. Install								-	-	-	-
14.4.14. Oil Tank Sump Shutoff Valve TR 1C-130J-2-79JG-00-1											
14.4.14.1. Remove								-	-	-	-
14.4.14.2. Inspect								-	-	-	-
14.4.14.3. Install								-	-	-	-
14.4.15. Power Unit Accessory Drive Lube and Scavenge Pump TR 1C-130J-2-79JG-00-1											
14.4.15.1. Remove								-	-	-	-
14.4.15.2. Inspect								-	-	-	-
14.4.15.3. Install								-	-	-	-
14.4.16. Propeller Gearbox Lube and Scavenge Pump TR 1C-130J-2-79JG-00-1											
14.4.16.1. Remove								-	-	-	-
14.4.16.2. Inspect								-	-	-	-
14.4.16.3. Install								-	-	-	-
14.4.16.4. Adjust								-	-	-	-
14.4.17. Air/Oil Separator TR 1C-130J-2-79JG-00-1											
14.4.17.1. Remove								-	-	-	-
14.4.17.2. Inspect								-	-	-	-
14.4.17.3. Install								-	-	-	-
14.4.18. Engine Pressure and Scavenge Oil Filter Unit TR 1C-130J-2-79JG-00-1											
14.4.18.1. Remove								-	-	-	-
14.4.18.2. Inspect								-	-	-	-
14.4.18.3. Install								-	-	-	-
14.4.19. Air Cooled Oil Cooler TR 1C-130J-2-79JG-00-1											
14.4.19.1. Remove								-	-	-	-
14.4.19.2. Inspect								-	-	-	-
14.4.19.3. Install								-	-	-	-
14.4.20. Oil Cooler Flap Actuator TR 1C-130J-2-79JG-00-1											
14.4.20.1. Remove	*							-	-	-	-
14.4.20.2. Inspect								-	-	-	-
14.4.20.3. Install	*							-	-	-	-
14.4.21. Power Section Pressure Oil Filter TR 1C-130J-2-79JG-00-1											
14.4.21.1. Remove	*							-	-	-	-
14.4.21.2. Inspect								-	-	-	-
14.4.21.3. Install	*							-	-	-	-

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.4.22. Propeller Gearbox Lube and Scavenge Oil Filter TR 1C-130J-2-79JG-00-1											
14.4.22.1. Remove	*							2b	-	-	-
14.4.22.2. Inspect								-	-	-	-
14.4.22.3. Install	*							2b	-	-	-
14.4.23. Power Section Scavenge Oil filter TR 1C-130J-2-79JG-00-1											
14.4.23.1. Remove	*							2b	-	-	-
14.4.23.2. Inspect								-	-	-	-
14.4.23.3. Install	*							2b	-	-	-
14.4.24. Oil Tank Quantity Probe TR 1C-130J-2-79JG-00-1											
14.4.24.1. Remove								-	-	-	-
14.4.24.2. Inspect								-	-	-	-
14.4.24.3. Install								-	-	-	-
14.4.25. Oil Tank Temperature Bulb TR 1C-130J-2-79JG-00-1											
14.4.25.1. Remove								-	-	-	-
14.4.25.2. Inspect								-	-	-	-
14.4.25.3. Install								-	-	-	-
14.4.26. Air Cooled Oil Cooler Temperature Bulb TR 1C-130J-2-79JG-00-1											
14.4.26.1. Remove								-	-	-	-
14.4.26.2. Inspect								-	-	-	-
14.4.26.3. Install								-	-	-	-
14.4.27. Power Section Oil Pressure Sensor TR 1C-130J-2-79JG-00-1											
14.4.27.1. Remove	*							-	-	-	-
14.4.27.2. Inspect								-	-	-	-
14.4.27.3. Install	*							-	-	-	-
14.4.28. Power Section Low Oil Pressure Switch TR 1C-130J-2-79JG-00-1											
14.4.28.1. Remove	*							-	-	-	-
14.4.28.2. Inspect								-	-	-	-
14.4.28.3. Install	*							-	-	-	-
14.4.29. Propeller Gearbox Oil Pressure Sensor TR 1C-130J-2-79JG-00-1											
14.4.29.1. Remove	*							-	-	-	-
14.4.29.2. Inspect								-	-	-	-
14.4.29.3. Install	*							-	-	-	-
14.4.30. Propeller Gearbox Low Oil Pressure Switch TR 1C-130J-2-79JG-00-1											
14.4.30.1. Remove	*							-	-	-	-
14.4.30.2. Inspect								-	-	-	-
14.4.30.3. Install	*							-	-	-	-
14.4.31. Power Section Scavenge Filter Electrical Impending Bypass Indicator TR 1C-130J-2-79JG-00-1											
14.4.31.1. Remove								-	-	-	-
14.4.31.2. Inspect								-	-	-	-
14.4.31.3. Install								-	-	-	-
14.4.32. Power Section Pressure Filter Electrical Impending Bypass Indicator TR 1C-130J-2-79JG-00-1											
14.4.32.1. Remove								-	-	-	-
14.4.32.2. Inspect								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.4.32.3. Install								-	-	-	-
14.4.33. Propeller Gearbox Pressure Filter Impending Bypass Valve TR 1C-130J-2-79JG-00-1											
14.4.33.1. Remove								2b	-	-	-
14.4.33.2. Inspect								-	-	-	-
14.4.33.3. Install								2b	-	-	-
14.4.34. Propeller Gearbox Chip Detector TR 1C-130J-2-79JG-00-1											
14.4.34.1. Remove	*							2b	-	-	-
14.4.34.2. Inspect	*							-	-	-	-
14.4.34.3. Install	*							2b	-	-	-
14.4.35. Gearbox Mounted Accessory Drive Chip Detector TR 1C-130J-2-79JG-00-1											
14.4.35.1. Remove	*							-	-	-	-
14.4.35.2. Inspect	*							-	-	-	-
14.4.35.3. Install	*							-	-	-	-
14.4.36. Power Section Chip Detector TR 1C-130J-2-79JG-00-1											
14.4.36.1. Remove	*							-	-	-	-
14.4.36.2. Inspect	*							-	-	-	-
14.4.36.3. Install	*							-	-	-	-
14.4.37. Fuel Pump Metering Unit TR 1C-130J-2-73JG-00-1											
14.4.37.1. Remove								-	-	-	-
14.4.37.2. Inspect								-	-	-	-
14.4.37.3. Install								-	-	-	-
14.4.38. Fuel Cooled Oil Cooler TR 1C-130J-2-79JG-00-1											
14.4.38.1. Remove								-	-	-	-
14.4.38.2. Inspect								-	-	-	-
14.4.38.3. Install								-	-	-	-
14.4.39. Fuel Manifold TR 1C-130J-2-73JG-00-1											
14.4.39.1. Remove								-	-	-	-
14.4.39.2. Inspect								-	-	-	-
14.4.39.3. Install								-	-	-	-
14.4.40. Fuel Filter TR 1C-130J-2-73JG-00-1											
14.4.40.1. Remove								-	-	-	-
14.4.40.2. Inspect								-	-	-	-
14.4.40.3. Install								-	-	-	-
14.4.41. Full Authority Digital Electronic Control (FADEC) TR 1C-130J-2-73JG-00-1											
14.4.41.1. Remove	*							2b	-	-	-
14.4.41.2. Inspect		*						-	-	-	-
14.4.41.3. Install	*							2b	-	-	-
14.4.41.4. Static Calibration	*							-	-	-	-
14.4.41.5. Dynamic Calibration	*							-	-	-	-
14.4.42. FADEC Harness TR 1C-130J-2-73JG-00-1											
14.4.42.1. Remove								-	-	-	-
14.4.42.2. Inspect								-	-	-	-
14.4.42.3. Install								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.4.43. Fuel Mass Flow Sensor TR 1C-130J-2-73JG-00-1											
14.4.43.1. Remove								-	-	-	-
14.4.43.2. Inspect								-	-	-	-
14.4.43.3. Install								-	-	-	-
14.4.44. Fuel Filter Impending Bypass Indicator TR 1C-130J-2-73JG-00-1											
14.4.44.1. Remove								-	-	-	-
14.4.44.2. Inspect								-	-	-	-
14.4.44.3. Install								-	-	-	-
14.4.45. Fuel Temperature Switch TR 1C-130J-2-73JG-00-1											
14.4.45.1. Remove								-	-	-	-
14.4.45.2. Inspect								-	-	-	-
14.4.45.3. Install								-	-	-	-
14.4.46. Bleed Air Valve TR 1C-130J-2-75JG-00-1											
14.4.46.1. Remove	*							-	-	-	-
14.4.46.2. Inspect								-	-	-	-
14.4.46.3. Install	*							-	-	-	-
14.4.47. Compressor Acceleration Bleed Control Valve TR 1C-130J-2-75JG-00-1											
14.4.47.1. Remove	*							-	-	-	-
14.4.47.2. Inspect								-	-	-	-
14.4.47.3. Install	*							-	-	-	-
14.4.48. Augmenter Valve TR 1C-130J-2-75JG-00-1											
14.4.48.1. Remove	*							-	-	-	-
14.4.48.2. Inspect								-	-	-	-
14.4.48.3. Install	*							-	-	-	-
14.4.49. Pneumatic Controller TR 1C-130J-2-36JG-00-1											
14.4.49.1. Remove	*							-	-	-	-
14.4.49.2. Inspect								-	-	-	-
14.4.49.3. Install	*							-	-	-	-
14.4.50. Mix-Muff TR 1C-130J-2-36JG-00-1											
14.4.50.1. Remove								-	-	-	-
14.4.50.2. Inspect								-	-	-	-
14.4.50.3. Install								-	-	-	-
14.4.51. Compressor Inlet Temperature Sensor TR 1C-130J-2-75JG-00-1											
14.4.51.1. Remove	*							-	-	-	-
14.4.51.2. Inspect								-	-	-	-
14.4.51.3. Install	*							-	-	-	-
14.4.52. Compressor Inlet Pressure Sensor TR 1C-130J-2-75JG-00-1											
14.4.52.1. Remove	*							-	-	-	-
14.4.52.2. Inspect								-	-	-	-
14.4.52.3. Install	*							-	-	-	-
14.4.53. Compressor Discharge Temperature Sensor TR 1C-130J-2-75JG-00-1											
14.4.53.1. Remove								-	-	-	-
14.4.53.2. Inspect								-	-	-	-
14.4.53.3. Install								-	-	-	-
14.4.54. Compressor Discharge Pressure Sensor TR 1C-130J-2-75JG-00-1											

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.4.54.1. Remove								-	-	-	-
14.4.54.2. Inspect								-	-	-	-
14.4.54.3. Install								-	-	-	-
14.4.55. Nacelle Ambient Pressure Sensor TR 1C-130J-2-75JG-00-1											
14.4.55.1. Remove								-	-	-	-
14.4.55.2. Inspect								-	-	-	-
14.4.55.3. Install								-	-	-	-
14.4.56. Anti-Icing Air Valve TR 1C-130J-2-75JG-00-1											
14.4.56.1. Remove	*							2b	-	-	-
14.4.56.2. Inspect								-	-	-	-
14.4.56.3. Install	*							2b	-	-	-
14.4.57. Torque Meter Pickup TR 1C-130J-2-77JG-00-1											
14.4.57.1. Remove								-	-	-	-
14.4.57.2. Inspect								-	-	-	-
14.4.57.3. Install								-	-	-	-
14.4.58. Gas Generator Speed Sensor TR 1C-130J-2-77JG-00-1											
14.4.58.1. Remove								-	-	-	-
14.4.58.2. Inspect								-	-	-	-
14.4.58.3. Install								-	-	-	-
14.4.59. Power Turbine Speed Sensor TR 1C-130J-2-77JG-00-1											
14.4.59.1. Remove								-	-	-	-
14.4.59.2. Inspect								-	-	-	-
14.4.59.3. Install								-	-	-	-
14.4.60. Power Turbine Speed Sensor Harness TR 1C-130J-2-77JG-00-1											
14.4.60.1. Remove								-	-	-	-
14.4.60.2. Inspect								-	-	-	-
14.4.60.3. Install								-	-	-	-
14.4.61. Thermocouple TR 1C-130J-2-77JG-00-1											
14.4.61.1. Remove								-	-	-	-
14.4.61.2. Inspect								-	-	-	-
14.4.61.3. Install								-	-	-	-
14.4.62. Thermocouple Harness TR 1C-130J-2-77JG-00-1											
14.4.62.1. Remove								-	-	-	-
14.4.62.2. Inspect								-	-	-	-
14.4.62.3. Install								-	-	-	-
14.4.63. Propeller Gearbox Vibration Sensor TR 1C-130J-2-77JG-00-1											
14.4.63.1. Remove	*							2b	-	-	-
14.4.63.2. Inspect								-	-	-	-
14.4.63.3. Install	*							2b	-	-	-
14.4.64. Compressor Vibration Sensor TR 1C-130J-2-77JG-00-1											
14.4.64.1. Remove								-	-	-	-
14.4.64.2. Inspect								-	-	-	-
14.4.64.3. Install								-	-	-	-
14.4.65. Turbine Vibration Sensor TR 1C-130J-2-77JG-00-1											
14.4.65.1. Remove								-	-	-	-
14.4.65.2. Inspect								-	-	-	-

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.4.65.3. Install								-	-	-	-
14.4.66. Nacelle Interface Unit (NIU) TR 1C-130J-2-77JG-00-1											
14.4.66.1. Remove	*							2b	-	-	-
14.4.66.2. Inspect								-	-	-	-
14.4.66.3. Install	*							2b	-	-	-
14.4.66.4. Upload Engine Data	*							-	-	-	-
14.4.67. Engine Monitoring System Harness TR 1C-130J-2-77JG-00-1											
14.4.67.1. Remove								-	-	-	-
14.4.67.2. Inspect								-	-	-	-
14.4.67.3. Install								-	-	-	-
14.4.68. Air Oil Cooler Augmentation Valve Tr 1c-130j-2-75jg-00-1											
14.4.68.1. Remove								-	-	-	-
14.4.68.2. Inspect								-	-	-	-
14.4.68.3. Install								-	-	-	-
14.4.69. Air Oil Cooler Augmentation Pressure Switch TR 1C-130J-2-75JG-00-1											
14.4.69.1. Remove								-	-	-	-
14.4.69.2. Inspect								-	-	-	-
14.4.69.3. Install								-	-	-	-
14.4.70. Exhaust Nozzle TR 1C-130J-2-78JG-00-1											
14.4.70.1. Remove	*							-	-	-	-
14.4.70.2. Inspect								-	-	-	-
14.4.70.3. Install	*							-	-	-	-
14.4.71. Tailpipe Ejector TR 1C-130J-2-78JG-00-1											
14.4.71.1. Remove								-	-	-	-
14.4.71.2. Inspect								-	-	-	-
14.4.71.3. Install								-	-	-	-
14.4.72. Compressor Variable Guide Vane Actuator TR 1C-130J-2-75JG-00-1											
14.4.72.1. Remove								-	-	-	-
14.4.72.2. Inspect								-	-	-	-
14.4.72.3. Install								-	-	-	-
14.5. ENGINE REMOVAL AND INSTALLATION IN AIRFRAME TR 1C-130J-2-71JG-00-2											
14.5.1. Remove	*							-	-	-	-
14.5.2. Install	*							-	-	-	-
14.6. ENGINE TRANSPORTATION TRAILER TR 1C-130J-2-71JG-00-2											
14.6.1. Remove Engine								-	-	-	-
14.6.2. Install Engine								-	-	-	-
14.7. AIRCRAFT ENGINE OPERATIONS TR 1C-130J-2-71JG-00-1											
14.7.1. Perform Pre Operational Checks								-	-	-	-
14.7.2. Perform Operational Checks of Engine								-	-	-	-
14.7.3. Evaluate Engine Performance								-	-	-	-
14.7.4. Perform Post Operational Checks								-	-	-	-

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	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.7.5. Perform Safety and Ground Observer Duties								-	-	-	-
14.7.6. Compressor Wash								-	-	-	-
14.7.7. Clear Water Rinse								-	-	-	-
14.8. PROPELLER TR 1C-130J-2-61GS-00-1											
14.8.1. Constructional Features								A	-	-	-
14.8.2. Principles of Propeller Systems Operation TR 1C-130J-2-61GS-00-1											
14.8.2.1. Controlling								A	-	-	-
14.8.2.2. Anti-ice/Deice								A	-	-	-
14.8.2.3. Indicating								A	-	-	-
14.8.3. Troubleshoot Systems and Components TR 1C-130J-2-61GS-00-1											
14.8.3.1. Controlling								-	-	-	-
14.8.3.2. Anti-Ice/Deice								-	-	-	-
14.8.3.3. Indicating								-	-	-	-
14.8.4. Propeller Maintenance											
14.8.4.1. Propeller Assembly TR 1C-130J-2-61JG-00-1											
14.8.4.1.1. Remove	*							2b	-	-	-
14.8.4.1.2. Inspect								-	-	-	-
14.8.4.1.3. Static Balance								-	-	-	-
14.8.4.1.4. Install	*							2b	-	-	-
14.8.4.1.5. Dynamic Balance								-	-	-	-
14.8.4.1.6. Preservation and Storage								-	-	-	-
14.8.4.2. Auxiliary Feather Pump TR 1C-130J-2-61JG-00-1											
14.8.4.2.1. Remove								-	-	-	-
14.8.4.2.2. Inspect								-	-	-	-
14.8.4.2.3. Install								-	-	-	-
14.8.4.3. Over Speed Governor and High Pressure Pump TR 1C-130J-2-61JG-00-1											
14.8.4.3.1. Remove								-	-	-	-
14.8.4.3.2. Inspect								-	-	-	-
14.8.4.3.3. Install								-	-	-	-
14.8.4.4. Pitch Control Unit (PCU) TR 1C-130J-2-61JG-00-1											
14.8.4.4.1. Remove	*							2b	-	-	-
14.8.4.4.2. Inspect		*						-	-	-	-
14.8.4.4.3. Install	*							2b	-	-	-
14.8.4.4.4. Preserve								-	-	-	-
14.8.4.5. PCU Pressure Switch TR 1C-130J-2-61JG-00-1											
14.8.4.5.1. Remove								2b	-	-	-
14.8.4.5.2. Inspect								-	-	-	-
14.8.4.5.3. Install								2b	-	-	-
14.8.4.6. Magnetic Pulse Unit (MPU) TR 1C-130J-2-61JG-00-1											
14.8.4.6.1. Remove								-	-	-	-
14.8.4.6.2. Inspect								-	-	-	-
14.8.4.6.3. Install								-	-	-	-
14.8.4.6.4. Adjust								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A      B		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.8.4.7. Propeller Control Harness TR 1C-130J-2-61JG-00-1											
14.8.4.7.1. Remove								-	-	-	-
14.8.4.7.2. Inspect								-	-	-	-
14.8.4.7.3. Install								-	-	-	-
14.8.4.8. Auxiliary Pump Harness TR 1C-130J-2-61JG-00-1											
14.8.4.8.1. Remove								-	-	-	-
14.8.4.8.2. Inspect								-	-	-	-
14.8.4.8.3. Install								-	-	-	-
14.8.4.9. Spinner TR 1C-130J-2-61JG-00-1											
14.8.4.9.1. Remove	*							2b	-	-	-
14.8.4.9.2. Inspect		*						-	-	-	-
14.8.4.9.3. Install	*							2b	-	-	-
14.8.4.10. Beta Tube TR 1C-130J-2-61JG-00-1											
14.8.4.10.1. Remove	*							2b	-	-	-
14.8.4.10.2. Inspect		*						-	-	-	-
14.8.4.10.3. Install	*							2b	-	-	-
14.8.4.11. Cylinder Assembly and Piston Seal TR 1C-130J-2-61JG-00-1											
14.8.4.11.1. Remove								-	-	-	-
14.8.4.11.2. Inspect								-	-	-	-
14.8.4.11.3. Install								-	-	-	-
14.8.4.12. Deicing Timer Unit (DITU) TR 1C-130J-2-30JG-00-1											
14.8.4.12.1. Remove	*							-	-	-	-
14.8.4.12.2. Install								-	-	-	-
14.8.4.12.3. Calibrate	*							-	-	-	-
14.8.4.13. Brush Block TR 1C-130J-2-30JG-00-1											
14.8.4.13.1. Remove	*							-	-	-	-
14.8.4.13.2. Inspect		*						-	-	-	-
14.8.4.13.3. Install	*							-	-	-	-
14.8.4.13.4. Adjust								-	-	-	-
14.8.4.14. Brush Block Bracket TR 1C-130J-2-61JG-00-1											
14.8.4.14.1. Remove								-	-	-	-
14.8.4.14.2. Inspect								-	-	-	-
14.8.4.14.3. Install								-	-	-	-
14.8.4.14.4. Adjust								-	-	-	-
14.8.4.15. Propeller Blade TR 1C-130J-2-61JG-00-1											
14.8.4.15.1. Inspect Blades	*							-	-	-	-
14.8.4.15.2. Repair Blades	*							-	-	-	-
14.8.4.16. Aircraft Installed Propeller Testing TR 1C-130J-2-61JG-00-1											
14.8.4.16.1. Perform Operational Checks								-	-	-	-
14.9. TRANSPORTATION EQUIPMENT TR 35D3-3-71-1											
14.9.1. Inspect Prior to Use								-	-	-	-
14.9.2. Operate								-	-	-	-
14.9.3. Maintain								-	-	-	-
14.10 PROPELLER TRANSPORTATION EQUIPMENT											
14.10.1 Inspect Prior to Use								1a	-	-	-
14.10.2 Operate								1a	-	-	-

1. Tasks, Knowledge and Technical References											
	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
14.10.3      Maintain								-	-	-	-
14.11.      SPECIAL CERTIFICATION ROSTER TR: AFI 21-101											
14.11.1.     Installed Engine Run Certifying Official								-	-	-	-
14.11.2.     All Systems IPI (no egress, welding, munitions, fuel cell in-tank)								-	-	-	-
14.11.3.     Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-
14.11.4.     Flexible Borescope Certifying Official								-	-	-	-
14.11.5.     Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-
14.11.6.     IPI by PAFSC and MDS								-	-	-	-
14.11.7.     Red-X and/or IPI - Limited								-	-	-	-
14.11.8.     Installed Engine Run by MDS								-	-	-	-
14.11.9.     Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-
14.11.10.    Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-
14.11.11.    Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-
14.11.12.    Engine Flexible Borescope Inspections								-	-	-	-
14.11.13.    Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC)/Auxiliary Power Plant (APP) Operator								-	-	-	-
14.11.14.    Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-
14.11.15.    Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

## ATTACHMENT 15

NOTE 1: These items are T700 system-specific tasks.

NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 3: Items in column 2 marked with an asterisk (\*) identify core tasks. Tasks marked with \*/R are deferrable for ANG /AFRC until training capability comes available.

15.1. ENGINE AND RELATED SYSTEMS TR: Applicable Engine TOs											
15.1.1. Operational Fundamentals								-	-	-	-
15.1.2. Constructional Features								-	-	-	-
15.2. PRINCIPLES OF ENGINE SYSTEM OPERATION TR: 2J-T700-16-CD-1											
15.2.1. Mechanical Engine Controls (LDS/PAS)								-	-	-	-
15.2.2. Starter								-	-	-	-
15.2.3. Ignition								-	-	-	-
15.2.4. Oil								-	-	-	-
15.2.5. Fuel								-	-	-	-
15.2.6. Bleed Air/Anti-Ice								-	-	-	-
15.2.7. Variable Guide Vane Actuators and Linkage Systems								-	-	-	-
15.2.8. Electrical								-	-	-	-
15.3. TROUBLESHOOT SYSTEMS AND COMPONENTS TR: 2J-T700-16-CD-1											
15.3.1. Mechanical Engine Controls (LDS/PAS)								-	-	-	-
15.3.2. Starter	*							-	-	-	-
15.3.3. Ignition	*							-	-	-	-
15.3.4. Oil								-	-	-	-
15.3.5. Fuel								-	-	-	-
15.3.6. Bleed Air/Anti-Ice	*							-	-	-	-
15.3.7. Variable Guide Vane Actuators and Linkage Systems								-	-	-	-
15.3.8. Electrical								-	-	-	-
15.4. ENGINE AND RELATED SYSTEMS TR: 2J-T700-16-CD-1											
15.4.1. Engine Plumbing											
15.4.1.1. Remove	*							-	-	-	-
15.4.1.2. Inspect		*						-	-	-	-
15.4.1.3. Install	*							-	-	-	-
15.4.2. Power Turbine Module											
15.4.2.1. Remove	*							-	-	-	-
15.4.2.2. Inspect		*						-	-	-	-
15.4.2.3. Install	*							-	-	-	-
15.4.3. Accessory Gearbox Module											
15.4.3.1. Remove	*							-	-	-	-
15.4.3.2. Inspect		*						-	-	-	-
15.4.3.3. Install	*							-	-	-	-
15.4.4. Cold Section Module											
15.4.4.1. Remove	*							-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
15.4.4.2. Inspect		*						-	-	-	-
15.4.4.3. Repair (Blend)								-	-	-	-
15.4.4.4. Install	*							-	-	-	-
15.4.5. Gas Generator Rotor Assembly											
15.4.5.1. Remove	*							-	-	-	-
15.4.5.2. Clean / Flush								-	-	-	-
15.4.5.3. Inspect		*						-	-	-	-
15.4.5.4. Install	*							-	-	-	-
15.4.6. Combustion Liner											
15.4.6.1. Remove	*							-	-	-	-
15.4.6.2. Clean								-	-	-	-
15.4.6.3. Inspect		*						-	-	-	-
15.4.6.4. Install	*							-	-	-	-
15.4.7. 1st Stage Nozzle											
15.4.7.1. Remove	*							-	-	-	-
15.4.7.2. Clean								-	-	-	-
15.4.7.3. Inspect		*						-	-	-	-
15.4.7.4. Install	*							-	-	-	-
15.4.8. Outer Balance Piston Seal (OBP)											
15.4.8.1. Remove								-	-	-	-
15.4.8.2. Inspect								-	-	-	-
15.4.8.3. Install								-	-	-	-
15.4.9. Engine Air Inlet Particle Separator											
15.4.9.1. Remove	*							-	-	-	-
15.4.9.2. Inspect		*						-	-	-	-
15.4.9.3. Install	*							-	-	-	-
15.4.10. History Recorder											
15.4.10.1. Remove	*							-	-	-	-
15.4.10.2. Inspect		*						-	-	-	-
15.4.10.3. Install	*							-	-	-	-
15.4.11. Over-Speed Drain Valve (ODV)											
15.4.11.1. Remove	*							-	-	-	-
15.4.11.2. Inspect		*						-	-	-	-
15.4.11.3. Install	*							-	-	-	-
15.4.12. Swirl frame											
15.4.12.1. Remove								-	-	-	-
15.4.12.2. Inspect								-	-	-	-
15.4.12.3. Install								-	-	-	-
15.4.13. Variable Guide Vane Linkage Systems											
15.4.13.1. Remove								-	-	-	-
15.4.13.2. Inspect								-	-	-	-
15.4.13.3. Install								-	-	-	-
15.4.14. Digital Electric Control Unit (DEC)											
15.4.14.1. Remove	*							-	-	-	-
15.4.14.2. Inspect		*						-	-	-	-
15.4.14.3. Install	*							-	-	-	-
15.4.15. Chip Detector											
15.4.15.1. Remove	*							-	-	-	-
15.4.15.2. Inspect		*						-	-	-	-
15.4.15.3. Install	*							-	-	-	-
15.4.16. Np and Tq Over Speed Sensor											
15.4.16.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A      B		A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
15.4.16.2. Inspect								-	-	-	-
15.4.16.3. Install								-	-	-	-
15.4.17. Starter											
15.4.17.1. Remove	*							-	-	-	-
15.4.17.2. Inspect		*						-	-	-	-
15.4.17.3. Install	*							-	-	-	-
15.4.17.4. Service	*										
15.4.18. Hydro Mechanical Unit (HMU)											
15.4.18.1. Remove	*							-	-	-	-
15.4.18.2. Inspect		*						-	-	-	-
15.4.18.3. Install	*							-	-	-	-
15.4.19. Fuel Pump											
15.4.19.1. Remove								-	-	-	-
15.4.19.2. Inspect								-	-	-	-
15.4.19.3. Install								-	-	-	-
15.4.20. Igniter Plug											
15.4.20.1. Remove	*							-	-	-	-
15.4.20.2. Inspect		*						-	-	-	-
15.4.20.3. Install	*							-	-	-	-
15.4.21. Anti-Ice/Start Bleed Valve											
15.4.21.1. Remove	*							-	-	-	-
15.4.21.2. Inspect		*						-	-	-	-
15.4.21.3. Install	*							-	-	-	-
15.4.22. Ignition Exciter											
15.4.22.1. Remove								-	-	-	-
15.4.22.2. Inspect								-	-	-	-
15.4.22.3. Install								-	-	-	-
15.4.23. Oil Pump											
15.4.23.1. Remove								-	-	-	-
15.4.23.2. Inspect								-	-	-	-
15.4.23.3. Install								-	-	-	-
15.4.24. Fuel Injectors											
15.4.24.1. Remove								-	-	-	-
15.4.24.2. Clean								-	-	-	-
15.4.24.3. Inspect								-	-	-	-
15.4.24.4. Install								-	-	-	-
15.4.25. Starter Dropout Switch											
15.4.25.1. Remove								-	-	-	-
15.4.25.2. Inspect								-	-	-	-
15.4.25.3. Install								-	-	-	-
15.4.26. Alternator											
15.4.26.1. Remove								-	-	-	-
15.4.26.2. Inspect								-	-	-	-
15.4.26.3. Install								-	-	-	-
15.4.27. White Harness											
15.4.27.1. Remove	*							-	-	-	-
15.4.27.2. Inspect		*						-	-	-	-
15.4.27.3. Install	*							-	-	-	-
15.4.28. Yellow Harness											
15.4.28.1. Remove	*							-	-	-	-
15.4.28.2. Inspect		*						-	-	-	-
15.4.28.3. Install	*							-	-	-	-
15.4.29. Blue Harness											

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
15.4.29.1. Remove	*							-	-	-	-
15.4.29.2. Inspect		*						-	-	-	-
15.4.29.3. Install	*							-	-	-	-
15.4.30. Green Harness											
15.4.30.1. Remove	*							-	-	-	-
15.4.30.2. Inspect		*						-	-	-	-
15.4.30.3. Install	*							-	-	-	-
15.4.31. Output Shaft and Support Tube											
15.4.31.1. Remove	*							-	-	-	-
15.4.31.2. Inspect		*						-	-	-	-
15.4.31.3. Install	*							-	-	-	-
15.4.31.4. Balance											
15.4.32. Load Demand Spindle (LDS)											
15.4.32.1. Remove								-	-	-	-
15.4.32.2. Inspect								-	-	-	-
15.4.32.3. Install								-	-	-	-
15.4.32.4. Rig								-	-	-	-
15.4.33. Power Available Spindle (PAS)											
15.4.33.1. Remove								-	-	-	-
15.4.33.2. Inspect								-	-	-	-
15.4.33.3. Install								-	-	-	-
15.4.33.4. Rig								-	-	-	-
15.4.34. Axis B Carbon Seal Kit											
15.4.34.1. Remove								-	-	-	-
15.4.34.2. Inspect								-	-	-	-
15.4.34.3. Install								-	-	-	-
15.4.35. Axis E Carbon Seal Kit											
15.4.35.1. Remove								-	-	-	-
15.4.35.2. Inspect								-	-	-	-
15.4.35.3. Install								-	-	-	-
15.4.36. Axis G Carbon Seal Kit											
15.4.36.1. Remove								-	-	-	-
15.4.36.2. Inspect								-	-	-	-
15.4.36.3. Install								-	-	-	-
15.4.37. #1 Carbon Bearing Seal											
15.4.37.1. Remove								-	-	-	-
15.4.37.2. Inspect								-	-	-	-
15.4.37.3. Install								-	-	-	-
15.4.38. Oil Scavenge Screens											
15.4.38.1. Remove								-	-	-	-
15.4.38.2. Inspect								-	-	-	-
15.4.38.3. Install								-	-	-	-
15.4.39. B-Sump Check Valve											
15.4.39.1. Remove								-	-	-	-
15.4.39.2. Inspect								-	-	-	-
15.4.39.3. Install								-	-	-	-
15.4.40. Axis A Radial Drive Shaft and Covers											
15.4.40.1. Remove								-	-	-	-
15.4.40.2. Inspect								-	-	-	-
15.4.40.3. Install								-	-	-	-
15.4.41. C-Sump Heat Shield and Cover											
15.4.41.1. Remove								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
15.4.41.2. Inspect								-	-	-	-
15.4.41.3. Install								-	-	-	-
15.4.42. Compressor Case RH Side											
15.4.42.1. Remove								-	-	-	-
15.4.42.2. Inspect								-	-	-	-
15.4.42.3. Install								-	-	-	-
15.5. ENGINE REMOVAL and INSTALLATION on AIRFRAME TR: 1H-60(H)G-2-3											
15.5.1. Remove	*							-	-	-	-
15.5.2. Install	*							-	-	-	-
15.5.3. Service	*							-	-	-	-
15.6. TEST STAND ENGINE TR: TM1-4920-443-10											
15.6.1. Remove								-	-	-	-
15.6.2. Inspect								-	-	-	-
15.6.3. Install								-	-	-	-
15.7. TEST STAND ENGINE TESTING TR: 2J-T700-16-CD-1											
15.7.1. Perform Pre Operational Checks								-	-	-	-
15.7.2. Know and Apply Emergency Procedures								-	-	-	-
15.7.3. Inspect and Operate Fire Extinguishers								-	-	-	-
15.7.4. Perform Operational Checks of Engine in Test Stand								-	-	-	-
15.7.5. Evaluate Engine Performance								-	-	-	-
15.7.6. Perform Post Operational Checks								-	-	-	-
15.7.7. Observe Safety and Ground Procedures								-	-	-	-
15.7.8. Operate, Inspect and Maintain Test Stand								-	-	-	-
15.8. INSTALLED T700 ENGINE TESTING TR: 2J-T700-16-CD-1											
15.8.1. Perform Pre Operational Checks								-	-	-	-
15.8.2. Know and Apply Emergency Procedures								-	-	-	-
15.8.3. Inspect and Operate Fire Extinguisher								-	-	-	-
15.8.4. Perform Operational Checks								-	-	-	-
15.8.5. Evaluate Engine Performance								-	-	-	-
15.8.6. Perform Post Operational Checks								-	-	-	-
15.8.7. Observe Safety and Ground Procedures								-	-	-	-
15.8.8. Operate S-39 Tester	*							-	-	-	-
15.8.9. Operate Engine								-	-	-	-
15.8.10. Wash/Rinse Hot Section								-	-	-	-
15.8.11. Wash/Rinse Cold Section								-	-	-	-
5.9. TRANSPORTATION EQUIPMENT											
5.9.1. Inspect Prior to Use	*							-	-	-	-
5.9.2. Operate								-	-	-	-
5.9.3. Maintain								-	-	-	-
15.10. SPECIAL INSPECTIONS											
15.10.1. Intake and Exhaust								-	-	-	-
15.10.2. 50 HR (Engine and APU)								-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)						
	A		B		C		D		E		A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC			
15.10.3. 300 HR (Engine and APU)								-	-	-	-			
15.10.4. 600 HR Phase								-	-	-	-			
15.11. SPECIAL CERTIFICATION ROSTER TR: AFI 21-101														
15.11.1. Installed Engine Run Certifying Official								-	-	-	-			
15.11.2. All Systems IPI (no egress, welding, munitions, fuel cell in-tank)								-	-	-	-			
15.11.3. Aircraft Inlet/Intake/Exhaust Certifying Official								-	-	-	-			
15.11.4. Flexible Borescope Certifying Official								-	-	-	-			
15.11.5. Engine Blade Blend Certifying Official								-	-	-	-			
15.11.6. Red X by Primary AFSC (PAFSC) and MDS								-	-	-	-			
15.11.7. IPI by PAFSC and MDS								-	-	-	-			
15.11.8. Red-X and/or IPI - Limited								-	-	-	-			
15.11.9. Installed Engine Run by MDS								-	-	-	-			
15.11.10. Engine Blade Blending								-	-	-	-			
15.11.11. Uninstalled Engine Operator (Engine Test Stand/ETS) by TMS								-	-	-	-			
15.11.12. Uninstalled Engine Run Certifying Official/ETS by TMS								-	-	-	-			
15.11.13. Aircraft Inlet/Intake/Exhaust Certification								-	-	-	-			
15.11.14. Engine Flexible Borescope Inspections								-	-	-	-			
15.11.15. Auxiliary Power Unit (APU)/Gas Turbine Compressor GTC/Auxiliary Power Plant (APP) Operator								-	-	-	-			
15.11.16. Noise Suppression System (NSS) and ETS Fire Suppression System Control Panel Operator								-	-	-	-			
15.11.17. Aircraft APU/GTC/APP Run Certifying Official								-	-	-	-			

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
ATTACHMENT 16											
NOTE 1: These items are T400 system-specific tasks.											
NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 3: Items in column 2 marked with an asterisk (*) identify core tasks. Tasks marked with */R are deferrable for ANG /AFRC until training capability comes available											
16.1 ENGINE AND RELATED SYSTEMS TR: Applicable engine TOs											
16.1.1 Operating principles								-	-	-	-
16.1.2 Constructional features								-	-	-	-
16.2 PRINCIPLES OF ENGINE SYSTEMS OPERATION TR: 2J-T400-6-1											
16.2.1 Starter								-	-	-	-
16.2.2 Ignition								-	-	-	-
16.2.3 Oil								-	-	-	-
16.2.4 Fuel								-	-	-	-
16.2.5 Bleed air								-	-	-	-
16.3 TROUBLESHOOT SYSTEMS AND COMPONENTS TR: 2J-T400-6-1											
16.3.1 Starter	*							-	-	-	-
16.3.2 Ignition	*							-	-	-	-
16.3.3 Bleed air	*							-	-	-	-
16.4 Test equipment											
16.4.1 Bleed Valve Tester								-	-	-	-
16.5 ENGINE MAINTENANCE TR: 00-20- 1, 1-1A-8, and applicable aircraft/engine TOs											
16.5.1 Engine plumbing											
16.5.1.1 Remove								-	-	-	-
16.5.1.2 Inspect	*							-	-	-	-
16.5.1.3 Install								-	-	-	-
16.5.2 Fire seals											
16.5.2.1 Remove								-	-	-	-
16.5.2.2 Inspect								-	-	-	-
16.5.2.3 Repair								-	-	-	-
16.5.2.4 Install								-	-	-	-
16.5.3 Power turbine section											
16.5.3.1 Remove								-	-	-	-
16.5.3.2 Disassemble								-	-	-	-
16.5.3.3 Inspect	*							-	-	-	-
16.5.3.4 Assemble								-	-	-	-
16.5.3.5 Install								-	-	-	-
16.5.4 Fuel nozzles											
16.5.4.1 Remove								-	-	-	-
16.5.4.2 Clean								-	-	-	-
16.5.4.3 Inspect								-	-	-	-
16.5.4.4 Install								-	-	-	-
2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)				
1. Tasks, Knowledge and Technical References	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	

	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
16.5.5 Combustion liner											
16.5.5.1 Remove								-	-	-	-
16.5.5.2 Inspect								-	-	-	-
16.5.5.3 Install								-	-	-	-
16.5.6 Gas Generator rotor assembly											
16.5.6.1 Remove								-	-	-	-
16.5.6.2 Inspect								-	-	-	-
16.5.6.3 Install								-	-	-	-
16.5.7 Turbine vane ring assembly											
16.5.7.1 Remove								-	-	-	-
16.5.7.2 Inspect								-	-	-	-
16.5.7.3 Install								-	-	-	-
16.5.8 Small exit duct/ large exit duct											
16.5.8.1 Remove								-	-	-	-
16.5.8.2 Inspect								-	-	-	-
16.5.8.3 Install								-	-	-	-
16.5.9 Accessory gearbox											
16.5.9.1 Remove								-	-	-	-
16.5.9.2 Inspect		*						-	-	-	-
16.5.9.3 Install								-	-	-	-
16.5.10 Air inlet housing											
16.5.10.1 Remove								-	-	-	-
16.5.10.2 Inspect								-	-	-	-
16.5.10.3 Install								-	-	-	-
16.5.11 No. 1 bearing assembly											
16.5.11.1 Remove								-	-	-	-
16.5.11.2 Disassemble								-	-	-	-
16.5.11.3 Inspect								-	-	-	-
16.5.11.4 Assemble								-	-	-	-
16.5.12 Compressor module											
16.5.12.1 Remove								-	-	-	-
16.5.12.2 Inspect								-	-	-	-
16.5.12.3 Install								-	-	-	-
16.5.13 Gas generator case											
16.5.13.1 Disassemble								-	-	-	-
16.5.13.2 Inspect		*						-	-	-	-
16.5.13.3 Assemble								-	-	-	-
16.5.14 Fuel pump											
16.5.14.1 Remove	*							-	-	-	-
16.5.14.2 Inspect		*						-	-	-	-
16.5.14.3 Install	*							-	-	-	-
16.5.15 Fuel Control (Auto)											
16.5.15.1 Remove	*							-	-	-	-
16.5.15.2 Inspect		*						-	-	-	-
16.5.15.3 Install	*							-	-	-	-
16.5.16 Fuel Control (Manual)											
16.5.16.1 Remove	*							-	-	-	-
16.5.16.2 Inspect		*						-	-	-	-
16.5.16.3 Install	*							-	-	-	-
16.5.16.4 Rig Interconnect linkage	*							-	-	-	-
16.5.17 Oil fuel heater											
16.5.17.1 Remove	*							-	-	-	-
16.5.17.2 Inspect		*						-	-	-	-
16.5.17.3 Install	*							-	-	-	-
16.5.18 Chip detector											
16.5.18.1 Remove	*							-	-	-	-
16.5.18.2 Inspect		*						-	-	-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
			5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC
16.5.18.3 Install	*									-	-
16.5.19 Oil pressure regulator											
16.5.19.1 Remove	*									-	-
16.5.19.2 Inspect		*								-	-
16.5.19.3 Install	*									-	-
16.5.20 Bleed valve											
16.5.20.1 Remove	*									-	-
16.5.20.2 Disassemble										-	-
16.5.20.3 Inspect		*								-	-
16.5.20.4 Assemble										-	-
16.5.20.5 Test										-	-
16.5.20.6 Install	*									-	-
16.5.21 NF governor											
16.5.21.1 Remove										-	-
16.5.21.2 Inspect										-	-
16.5.21.3 Install										-	-
16.5.21.4 Governor Rigging										-	-
16.5.22 Torque control unit											
16.5.22.1 Remove										-	-
16.5.22.2 Inspect										-	-
16.5.22.3 Install										-	-
16.5.23 Combining Gearbox											
16.5.23.1 Remove										-	-
16.5.23.2 Inspect										-	-
16.5.23.3 Install										-	-
16.5.24 Oil cooler blower											
16.5.24.1 Remove										-	-
16.5.24.2 Inspect										-	-
16.5.24.3 Install										-	-
16.5.25 Starter/Generator											
16.5.25.1 Remove	*									-	-
16.5.25.2 Inspect		*								-	-
16.5.25.3 Install	*									-	-
16.5.26 Tachometer Generator											
16.5.26.1 Remove										-	-
16.5.26.2 Inspect										-	-
16.5.26.3 Install										-	-
16.5.27 Oil pressure differential switch											
16.5.27.1 Remove										-	-
16.5.27.2 Inspect										-	-
16.5.27.3 Install										-	-
16.5.28 Oil pressure switches											
16.5.28.1 Remove										-	-
16.5.28.2 Inspect										-	-
16.5.28.3 Install										-	-
16.6 ENGINE REMOVAL AND INSTALLATION IN AIRFRAME TR: 1H-1(U)N-2-1											
16.6.1 Remove										-	-
16.6.2 Install										-	-
16.6.3 Engine servicing										-	-
16.6.4 Rig engine control linkages										-	-
16.7 TEST STAND ENGINE TR: 2J-T400-6-1											
16.7.1 Remove										-	-

1. Tasks, Knowledge and Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level		B 5 Skill Level	
	5 Level	7 Level	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
16.7.2 Inspect								-	-	-	-
16.7.3 Install								-	-	-	-
16.8 TEST STAND ENGINE TESTING TR: 2J-T400-6-1											
16.8.1 Perform pre-operational checks								-	-	-	-
16.8.2 Perform operational checks of engine in test stand								-	-	-	-
16.8.3 Evaluate engine performance								-	-	-	-
16.8.4 Adjust engine components								-	-	-	-
16.8.5 Perform post-operational checks								-	-	-	-
16.8.6 Observe safety and ground procedures								-	-	-	-
16.8.7 Operate, inspect and maintain test stand								-	-	-	-