

T700 Engine Repair

The 5 Army depot maint. activities support combat readiness by providing services to keep Army units operating. From FY 2004-2007, the amount of new orders received to perform work increased from \$2.6 bill. to \$5.2 bill. The number of new orders is a factor in the amount of work the depots carry over from one year to the next. Concerns have been raised that carryover may be more than needed. This report determines: (1) the growth in reported total carryover from FY 2004-2007 and the actions the Army is taking to reduce the carryover; (2) whether reported carryover amounts exceeded carryover ceilings for FY 2006 and 2007 and adjust. made to reduce those amounts; and (3) the primary reasons for the increased carryover at the Army depots.

The official magazine of United States Army logistics.

Over 15,000 total pages ... Just a SAMPLE of the included manuals dated mid 1970s to the early 2000s: 55 SERIES TECHNICAL MANUALS TM 55-1520-210-10 TM 55-1520-210-CL TM 55-1520-210-PM TM55-1520-210-PMD TM 55-1520-210- 23-1 TM 55-1520-210- 23-2 TM 55-1520-210-23-3 TM 55-1520-210-23P-1 TM 55-1520-210-23P-2 TM 55-1520-210-23P-3 TM 55-1520-242-MTF UH-1 EH ENGINE RELATED TM 55-2840-229- 23-1 TM 1-2840-260- 23P TM 1-2840-260- 23P 11 SERIES and MISC. TM 11-1520-210-20P TM 11-1520-210-20P-1 TM 11-1520-210-34P TM 11-1520-210-34P-1 TM 11-1520-210-23 TM-1-1500-204-23-1 General Maintenance Practices TM-1-1500-204-23-2 Pneudraulics TM-1-1500-204-23-3 Fuel & Oil Systems TM-1-1500-204-23-4 Electrical & Instruments TM-1-1500-204-23-5 Prop, Rotor and Powertrain TM-1-1500-204-23-6 Hardware and Consumables TM-1-1500-204-23-7 NDT TM-1-1500-204-23-8 Machine & Welding Shops TM-1-1500-204-23-9 Tools and Ground Support TM-1-1500-204-23-10 Sheetmetal TM 38-301-3 Acceptable Oil Analysis Limits TM-55-1615-226-40 Scissors & Sleeve UH-1 Maintenance Test Flight Manual DA PM 738_751 MODIFICATION WORK ORDERS MWO 30-8-5V Lighting MWO 30-45 GS-MB MWO 30-48 Radar Alt AIRCRAFT RELATED TECHNICAL BULLETINS TB 20-17 TB 20-25 TB 20-26 TB 20-32 TB 20-33 TB 20-34 TB 20-35 TB 20-36 TB 20-38 TB 20-46 TB 20-47 TB 23-1 TB 30-01 TB TR ENGINE RELATED TECHNICAL BULLETINS TB 20-9 TB 20-10 TB 20-12 TB 20-15 TB 20-16 TB 20-18 TB 20-24 TB 20-26 TB 20-27 TB 20-28 TB 229-20-2 + Numerous DEPOT MAINTENANCE WORK REQUIREMENT (DMWR) Manuals

Over 70 (350+ Mbs) U.S. Army Repair, Maintenance and Part Technical Manuals (TMs) related to U.S. Army helicopter and fixed-wing turbine aircraft engines, as well as turbine power plants / generators! Just a SAMPLE of the CONTENTS: ENGINE, AIRCRAFT, TURBOSHAFT MODELS T700-GE-700, T700-GE-701, T700-GE-701C, 1,485 pages - TURBOPROP AIRCRAFT ENGINE, 526 pages - ENGINE, GAS TURBINE MODEL T55-L-712, 997 pages - ENGINE ASSEMBLY GAS TURBINE (GTCP36-150 (BH), GTCP36-150 (BH), 324 pages - ENGINE, AIRCRAFT, GAS TURBINE (T63-A-5A) (T63-A-700), 144 pages - ENGINE, AIRCRAFT, GAS TURBINE MODEL T63-A-720, 208 pages - ENGINE, AIRCRAFT, TURBOSHAFT (T703-AD-700), (T703-AD-700A), (T703-AD-700B), 580 pages ENGINE ASSEMBLY, T700-GE-701, 247 pages - ENGINE ASSEMBLY GAS TURBINE (GTCP3645(H), 214 pages - ENGINE, AIRCRAFT, GAS TURBINE MODEL T63-A-720, 208 pages - GAS TURBINE ENGINE (AUXILIARY POWER UNIT - APU) MODEL T - 62 T - 40 - 1, 344 pages - ENGINE ASSEMBLY, T700-GE-700, 243 pages - SANDY ENVIRONMENT AND/OR COMBAT OPERATIONS FOR T53-L-13B, T53-L-13BA AND T53-L-703 ENGINES, 112 pages - DUAL PURPOSE MOBILE CHECK AND ADJUSTMENT/GENERATOR STAND FOR T62T-2A AND T62T-2A1 AUXILIARY POWER UNITS; T62T-40-1 AND T62T-2B AUXILIARY POWER UNITS, 193 pages - Others included: POWER PLANT, UTILITY; GAS TURBINE ENGINE DRI (LIBBY WELDING CO., MODEL LPU-71) (FSN 6115-937-0929) (NON-WINT AND (6115-134-0825) (WINTERIZED) POWER PLANT, UTILITY (MUST), GAS TURBINE ENGINE DRIVEN (AIRESEARCH CO MODEL NO. PPU85-5); (LIBBY WELDING CO., MODEL NO. LPU-71); (AME CORP., MODEL APP-1) AND (HOLLINGSWORTH CO., MODEL NO. JHTWX10/9 (NSN 6115-00-937-0929) (NON-WINTERIZED) AND (6115-00-134-0825) (WINTERIZED) POWER PLANT, UTILITY (MUST), GAS TURBINE ENGINE DRIVEN (AIRESEA MODEL PPU85-5), (LIBBY WELDING CO., MODEL LPU-71), (AMERTECH CO MODEL APP-1) AND (HOLLINGSWORTH CO., MODEL JHTWX10/96) (NSN 6115-00-937-0929, NON-WINTERIZED AND 6115-00-134-0825, WINTERIZED) GENERATOR SET, GAS TURBINE ENGINE DRIVEN, TACTICAL, SKID MTD, 1 400 HZ, ALTERNATING CURRENT GENERATOR SET, GAS TURBINE ENGINE: 45 KW, AC, 120/208 AND 240/4 3 PHASE, 4 WIRE; SKID MTD, WINTERIZED (AIRESEARCH MODEL GTGE 70 (FSN 6115-075-1639) POWER PLAN UTILITY, (MUST), GAS TURBINE ENGINE DRIVEN (AIRESEARCH CO., MOD PPU85-5) (LIBBY WELDING CO., MODEL LPU-71), (AMERTECH CORP., MODEL APP-1) AND (HOLLINGSWORTH CO., MODEL JHTWX 10/96) (NSN 6115-00-937-0929) (NONWINTERIZED) AND (6115-00-134-0825) (WINTERIZED) POWER PLANT, UTILITY, GAS TURBINE ENGINE DRIVEN (AMERTECH CORP MODEL APP-1) POWER PLANT UTILITY, GAS TURBINE ENGINE DRIVEN (LIBBY WELDING CO. MODEL LPU-71) POWER UNIT UTILITY PACK: GAS TURBINE ENGINE DRIVEN (AIRESEARCH MODEL PPU85-5 TYPE A) AVIATION UNIT AND INTERMEDIATE MAINTENANCE FOR GAS TURBINE ENGI (AUXILIARY POWER UNIT - APU) MODEL T-62T-2B, PART NO. 161050-10 (NSN 2835-01-092-2037) AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPE TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIA FOR GAS TURBINE ENGINE (AUXILIARY POWER UNIT - APU), MODEL T-62 PART NO. 160150-100 (NSN 2835-01-092-2037)

The Iraqi invasion of Kuwait on August the 2nd, 1990, and the resultant decision by the President to deploy land, air, and naval forces to protect Saudi Arabia and the United Arab Emirates led, since August the 8th, 1990, to a steady, measured commitment of soldiers, sailors, airmen and supporting equipment to Southwest Asia. That commitment, which began approaching its apparent apex by early November, suddenly broadened on the 8th of that month when the President expanded the original defensive objective to entail the liberation of Kuwait. His policy addendum called for doubling the 200,000 men in Southwest Asia to about 400,000, and he gave Iraq a January the 15th, 1991 deadline to quit Kuwait or face massive military force. Overall American policy in this matter could, therefore, be considered roughly three-phased: one, the original defensive deployment of 200,000 strong, August 8-November 8, 1990; two, the reinforcement to attack strength of about 400,000, November 8, 1990, to January 15, 1991; and three, January 16, 1991, to February 27, 1991- war.

Advances in Laser Materials Processing: Technology, Research and Application, Second Edition, provides a revised, updated and expanded overview of the area, covering fundamental theory, technology and methods, traditional and emerging applications and potential future directions. The book begins with an overview of the technology and challenges to applying the technology in manufacturing. Parts Two thru Seven focus on essential techniques and process, including cutting, welding, annealing, hardening and peening, surface treatments, coating and materials deposition. The final part of the book considers the mathematical modeling and control of laser processes. Throughout, chapters review the scientific theory underpinning applications, offer full appraisals of the processes described and review potential future trends. A comprehensive practitioner guide and reference work explaining state-of-the-art laser processing technologies in manufacturing and other disciplines Explores challenges, potential, and future directions through the continuous development of new, application-specific lasers in materials processing Provides revised, expanded and updated coverage

Corrosion costs the DoD over \$23 billion annually, affects both equipment and facilities, and threatens personnel safety. DoD has taken steps to improve its corrosion prevention and control (CPC) efforts. These efforts include reorganizing the Corrosion Office (CO) and instituting Corrosion Exec. positions in each of the military departments. This report evaluated

to what extent: (1) the Corrosion Exec. are involved in preparing CPC project proposals for submission; (2) the CO has created a process to review and select projects for funding; and (3) the military departments have validated the return on investment for funded projects. Also reviewed the process the CO uses to determine the CPC activities that it will fund. Illus. A print on demand report.

Depot Maintenance Opportunities to Privatize Repair of Military Engines DIANE Publishing Manuals Combined: 50 + Army T-62 T-53 T-55 T-700 AVIATION GAS TURBINE ENGINE Manuals Jeffrey Frank Jones

Rocket and air-breathing propulsion systems are the foundation on which planning for future aerospace systems rests. A Review of United States Air Force and Department of Defense Aerospace Propulsion Needs assesses the existing technical base in these areas and examines the future Air Force capabilities the base will be expected to support. This report also defines gaps and recommends where future warfighter capabilities not yet fully defined could be met by current science and technology development plans.

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