

Figure 2-1. General Arrangement (Sheet 1 of 2)

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Apache Flight Manual

Michael Seilmaier

Apache Flight Manual:

Vietnam Journey, Ah-64 Apache Attack Helicopter Pilot's Flight Operating Instructions Headquarters Department of the Army, 2011-05 Developed and deployed in a short time due to the pressure of the Vietnam War Bell s AH 1 Cobra performed well but Army planners believed a better attack helicopter would be needed in the next war In 1976 Hughes Helicopter's YAH 64A prototype bested the Cobra in firepower performance and range and won the competition to replace it It would be 1982 before production commenced but eventually over 1100 would be produced including the advanced AH 64D Apache Longbow Dubbed the Apache the AH 64 is a four blade twin engine tandem cockpit design with tailwheel landing gear The AH 64 features double and triple rendundant systems that ensure maximum survivability in combat and an awesome array of weapons that can include Hellfire missiles and a 30mm M230 Chain Gun that can be slaved to the pilot's head movements via a helmet mounted display IHADSS The Apache first saw combat during the invasion of Panama in 1989 and conducted the first attack of Operation Desert Storm in 1991 flying into Iraq to destroy enemy radar systems AH 64s are credited with destroying over 500 tanks during that conflict They continued their service in Bosnia and Kosovo in Operation Iraqi Freedom and Operation Enduring Freedom in Afghanistan The AH 64 is now also deployed by the United Kingdom Israel the Netherlands Saudi Arabia Japan and other air forces worldwide Created by the Army for the AH 64A version of the Apache this unclassified pilot s flight manual runs over 600 pages and contains chapters about aircraft systems and procedures It is reprinted here in its entirety **Helicopter Aerodynamics Volume II** Ray Prouty, 2009 This is a collection of the Ray Prouty's columns in Rotor and Wing and American Helicopter Society's Vertiflite magazine from Manuals Combined: 50 + Army T-62 T-53 T-55 T-700 AVIATION GAS TURBINE ENGINE Manuals 1992 to 2004 , 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 MODELT 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

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