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Bonanza a36 maintenance manual

Bonanza a36 maintenance manual pdf. A36 bonanza maintenance manual.

The Beechcraft Bonanza series maintenance manual (P/N: 36-590001-9A23) is a comprehensive guide for maintaining the V35B, F33A, F33C, A36, A36TC, and B36TC aircraft. This manual provides detailed instructions and illustrations to ensure proper maintenance of these planes. The manual covers various topics such as: * Ground training clearance * Cabin and entry dimensions, baggage space, and entry dimensions * Specific loadings (maximum take-off weight) * General airspeed terminology and symbols * Meteorological terminology * Engine controls and instruments * Airplane performance and flight planning terminology * Weight and balance terminology * Airspeed indicator markings * Power plant limitations * Propeller specifications * Power plant instrument markings * Miscellaneous instrument markings * Center of gravity limits (gear down) * Approved maneuvers The manual is designed to provide a comprehensive understanding of the aircraft's maintenance needs, ensuring that owners and pilots can keep their planes in top condition. **Important Flight Information** **Factors**: 3600 pounds of operation limits * **Temporary Change**: Pilot's Operating Handbook update * **Placards**: + Fuel Selector Valve: 48 + Fuel Selector Panel: 49 + Left Side Panel: 50, 51 + Full View of Pilot: 51 + Oxygen Console: 53 + Emergency Crank Access Cover: 54 + Control Console: 53 + Top of Front Spar Carry-Thru Structure: 54 + Windows Adjacent to Seats: 55 + Left Cabin Sidewall: 56 + Storm Window: 56 + Openable Windows: 56 + Instrument Panel (Anti-Collision Lights): 57 + Baggage Straps: 58 **Emergency Procedures** **Engine Failure**: During take-off, liftoff, or in flight * **Engine Fire**: On the ground * **Landing Gear Manual Extension**: 78 * **Airspeed Calibration**: Normal and emergency systems * **Altimeter Correction**: Normal and emergency systems **Oxygen and Temperature** **Oxygen Duration Chart**: Full bottle (98) * **Use of Oxygen**: In flight (98) * **Cold Weather Operation**: Preflight inspection, engine check (99) **Performance and Flight Planning** **Introduction to Performance and Flight Planning**: 105 * **Pressure Altitude**: at den (106) and AMA (106) * **Time-Fuel-Distance**: Calculation and chart (109-111) **Airspeed Calibration**: Normal and emergency systems * **Altimeter Correction**: Normal and emergency systems **Conversion Charts** **Fahrenheit to Celsius Temperature Conversion**: 116 * **ISA Conversion**: Pressure altitude vs air temperature (117) Settings and Procedures for Aircraft Maintenance and Operations • Range Profile - 74 Gallons, Range Profile - 44 Gallons, Endurance Profile - 74 Gallons, Endurance Profile - 44 Gallons • Weight and Balance/Equipment List, Weighing Instructions, Basic Empty Weight and Balance, Weight and Balance Record • Seating, Baggage and Equipment Arrangement, Moment Limits Vs Weight, Weight and Balance Loading Form, Useful Load Weights and Moments • Control Surfaces/Control Column, Power Plant Instruments, Manifold Pressure and Fuel Flow Indicator (Round Type), Multiple Readout Type Instrument (A36) (Round Type) • Electrically Operated Vertical Instruments (A36), Fuel Flow Indicator (Vertical Type), Cluster Type Power Plant Instruments, Typical Round Type Engine Instruments • Typical Vertical Type Engine Instruments, Alternator-Out Warning Light (36), Alternator-Out Warning Light (A36), Utility Door Warning Light, Position Indicators (36) • Position Indicators (A36), Baggage/Cargo Compartment, Seat, Seat Belts, and Shoulder Harnesses, Shoulder Harness Installation • Doors, Windows and Exits, Operation with AFT Utility Door Removed, Openable Cabin Windows, To Open Window for Ventilation • To Open the Emergency Exit, Control Column Lock Pin, Throttle, Propeller and Mixture, Induction System Icing • Propeller Description, Fuel System Schematic, Fuel Quantity Indication System, Fuel Required for Flight • External Power Receptacle, Heating and Ventilation System Schematic, Heater and Defroster Operation, Cabin Fresh Air Outlets • Individual Overhead Fresh Air Outlets, Oxygen System Description, Pitot and Static Systems, Normal Static Air System • Instrument Pressure System, Emergency Static Air System, Engine Break-In Information, Handling, Servicing and Maintenance • Airplane Inspection Periods, Preventative Maintenance by a Certificated Pilot, Alternations or Repairs to Airplane • Prolonged out of Service Care, Flyable Storage - 7 to 30 Days, Engine PerapARATION for Storage, Fuel Cells/Flight Control Surfaces Aircraft maintenance manual for Bonanza series, covering various systems and procedures. The manual outlines lubrication points for landing gear actuator, flap motor, elevators, and other components (242-245). It also addresses special conditions, such as thunderstorm penetration (340), vertigo (342), stalls, slow flight, and spins (344). Additionally, the manual includes information on autopilots, electric trim systems, transient control forces, medical facts for pilots, takeoff and landing conditions, carbon monoxide, night vision, decompression sickness, and passenger safety. The document specifies maintenance schedules and replacement guidelines, emphasizing the importance of following approved modifications to ensure safe flight operations. The manual is formatted according to GAMA specifications (No. 2) and meets ATA requirements for system arrangement and content. With a cover date of 1980 and revisions up to 2005, this comprehensive guide has 742 pages.