

Standard Equipment List



P68 Observer 2



POWERPLANT AND PROPELLER

Engine Textron Lycoming Mod. IO-360-A1B6 200HP @ 2,700 RPM, Four Cylinders, Direct Drive, Normally Aspirated, Fuel Injected	2
Hartzell, Two Blade, Constant Speed Full Feathering Propellers	2
Air Filter, Dry Type	2
Magneto, RH	2
Magneto, LH	2
Ignition Harness	4
Injector	2
Alternator (28Vdc, 130A)	2
Oil Filters, Full Flow	2
Oil Coolers	2
Alternate Induction Air w/Manual Control	2
Quick Oil Drain	2
Dynafocal Engine Mounts with Internal Dampers Kit	8
Electric Starter, 24 Volt	2
Woodward Hydraulic Propeller Governor, LH	1
Woodward Hydraulic Propeller Governor, RH	1
Vacuum Pump	2
Polished Propeller Spinners	2
Gyro Instrument Air Filter	1
Engine Driven Pneumatic Pump	1
Vacuum Relief Valves	2
Vacuum Distribution Valve	1

FLIGHT INSTRUMENTS AND INDICATORS

Digital Voice Recorder/Clock Model DVR 300i	1
Magnetic Compass (Illuminated)	1
Encoding Altimeter KEA 130	1
Airspeed Indicator	1
Turn & Bank Indicator, Elec.	1
Vertical Speed Indicator	1
Fuel Quantity LH/RH Indicator	1
ADI (w/ Flight Director Bars) KI-256	1

Flux Valve KMT112, part of Compass System KCS55	1
Gyro KG102A, part of Compass System KCS55	1
Slaving Accessories KA51B to Compass System KCS55	1
Compass System KCS55	1
Gyro Pressure Gauge with Source Indicator (on pedestal)	1
HSI KI-525A, part of Compass System KCS55	1
Antenna W/84 Cable	1

NEW ENGINE LCD MONITORING SYSTEM

VISION MICROSYSTEM LCD Graphical/Digital Readout, including the following functions:	2
Parameter Auto Track Function	
Oil Pressure/Oil Temperature	
Temperature Readings Including OAT	
Electrical System Performance Indications	
Fuel Flow, Fuel Used/Remaining/Burn	
RPM	
Manifold Pressure Indicator	
EGT Indicator	
Exceedence Monitoring and Recording	
Cylinder Head Temperature Multiple Bar Graphs	
Fuel Management	
Annunciator Panel with Push-to-Test, including the following functions:	1
RH Fuel Pump	
LH Fuel Pump	
RH Alt Out	
LH Alt Out	
Low Volt	

COCKPIT, FLIGHT AND GROUND CONTROLS

Engine Hour-Meter (CB Panel)	1
Automatic Emergency Locator Transmitter (ELT 910 assembly)	1
Heavy Duty Brake System, Parking Brake Control Cable Assembly	1
Heavy Duty Brake System, Co-pilot's Toe Brake Cylinders	2
Heated Stall Warning System	1
Alternate Instrument Static Source Switch	1
Overhead Panel Switches, Guarded Left and Right Starter	2
Overhead Panel Switches, Left and Right Fuel Pump	2
Overhead Panel Switches, Left Engine/Left and Right Magnetos Switches	2
Overhead Panel Switches, Right Engine/Left and Right Magnetos Switches	2
Avionics Master Switch (CB Panel)	1
Control Wheel Mic Button	1

Speakers w/Mic /Phone Jacks	6
Microphone w/Headset	2
Electric Trim Switch	1
Landing Light Switch (CB Panel)	1
Navigation Lights Switch (CB Panel)	1
Landing Light Switch (CB Panel)	1
Map Light Switch (CB Panel)	1
Stall Heated detector Switch (CB Panel)	1
Instruments & Radio Lights Switch (CB Panel)	1
A/P Master Switch (CB Panel)	1
Pitot Heat Switch (CB Panel)	1
Strobe Fin Light Switch (CB Panel)	1
Left and Right Alternator Switches (CB Panel)	2
Battery Master Switch (CB Panel)	1
Fwd/Aft Fan Heater Fan Switches (CB Panel)	2
VHF1 Emergency Switch (CB Panel)	1
Air Conditioning Circuits & Switches (CB Panel)	1
Pressure Switch (CB Panel)	1
Ice Light Switch (CB Panel)	1
Taxi Light Switch (CB Panel)	1
Static Sources	2
Heavy Duty Brake System, Pilot's Toe Brake Cylinders	2

ELECTRICAL SYSTEMS

24 Volt, 24 Amp/Hour Battery	1
Avionics Master Relay	1
1st Heated Pitot System	1
Heated Pitot Tube	1
Master Switch Relay	1
Over Voltage Relays	2
Voltage Regulators	2

Engine-Driven Fuel Pumps	2
Individual Fuel Tank Quick Drain	4
Fuel Control Receiver	2
Fuel Control Transmitter	2
Fuel Selector Valve Control	2
Fuel Level Xducer with probe	2
Fuel Strainer	2
Fuel Filter	2
Fuel Sampling Bottle	1

CABIN COMFORT SYSTEM

Relay Fan Heater	2
Cabin Fresh Air Vent w/Ventilation Fan w/ON/OFF (aft fuselage)	1
Cabin Fresh/Exhaust Air Snap Vents (emergency and pax windows)	2

LH Cabin Door	1
Rear Door (RH) access to Baggage Compartment, Cargo Loading	1
Locks w/Keys Crew, Cabin and Baggage Doors	2
Nose Wheel 5.00-5, w/ Good Year Tyre and Tubes, 6 Ply Rating	1
Main Wheels 7.00-6, w/ Good Year Tyres and Tubes, 8 Ply Rating	2
Escape Window (RH)	1
Control Surface Lock Kit (Tail + Aileron)	1
Stowable Tow Bar	1
Tie-Down Rings	3
Pitot Tube Cover	1
Jack Pads	2
Fuel Stick Gauge	1
External Power Receptacle (Mil. Spec Type)	1
Upturned Wing Tips	2

LIGHTING SYSTEMS

Wing Mounted Taxi Light	1
Wing Mounted Landing Light	1
Wing Tip Recognition Lights	2
Wing Tip Strobe Lights-Comet Flash	2
Ice Inspection Light, Left Wing	1
Tail Navigation Light	1
Tail Strobe Light	1
Under-wing Courtesy Lights	2
Cabin Reading Lights	4
Map Light	1

Pilot and Co-pilot Storm Windows	2
Swing-away Sun Visors	2
24 Volt, 2 Amp Auxiliary Power Socket	2
Map Pockets	2
Emergency Torch	1
First Aid Kit	1
Manual Fire Extinguisher	1

Flight Manual, Parts Catalogue, Maintenance Manual	1
NEW GENERATION AVIONICS PACKAGE	
CWS Instant Autopilot Disconnect	1
Two Axis Autopilot KING KFC150 (A/P Flight Computer KC192, Pitch Servo KS 270A, Roll/Yaw Servo KS0271A, Pitch Trim Servo KS 0272A, Bottom Adapter Module KC 0190, Top Adapter Module KC 0190, Breaker, Fan KA33)	1
Transponder GTX 320A (plus antenna and breaker)	1
Antenna GPS GA 56	2
Antenna COM	2
Antenna GS/ILS/VOR	1
Audio Panel with Marker Beacon and Intercom GMA 340 (plus antenna MKR KA 0026)	1
COMM/NAV/GS/GPS Multifunction Display #1 GNS 430	1
COMM/NAV/GS/GPS Multifunction Display #2 GNS 430	1
2nd VOR/LOC/GS/GPS Indicator KI 209A	1
Electric Trim Switch Assembly KING (A/P Disconnect Switch King, Sonalert King, Switch Bezel King, CWS/MIC Switch)	1
Autopilot Disconnect	1
Jeppesen data card	2

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