

Aircraft General

Aircraft variants
Certification
Fuselage
Cockpit familiarization
Cabin layout
Cabin familiarization
External dimensions
Turning radius
Cabin dimensions
Temperature limitations
Limitations yawdamper
Limitations
Limitations icing conditions

Flight Controls

Control Surfaces
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Floor locations
Auto pilot aileron servo
Primary flight controls
Secondary flight controls
Control locks
Pitch trim wheel
Electric trim
Flaps
Flap components
Flap limiter switches
Flap motor
Flaps operation
Effect of flap extension
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Stallwarning
Stall strips
Yaw damp system
Rudder boost
Rudder boost operation

Electrical System

System overview
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Dual fed bus system
Electrical systems variants
Electrical bus location
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Hot battery bus
Hot battery bus circuit breakers
Controls and displays
Meters
Battery charge
Annunciators
AC power inverters
Right Circuit breaker panel
Dual fed bus 1&2 CB
Left circuit breaker panel
50 Amp circuit breakers
Dual fed bus test
Sub panel switches
Engine start
Avionics master switch
Ground communications
Configurations
External power
Standby battery G1000
Generators
GCU Generator Control Unit
Over voltage protection
325-amp current limiters
Current limiters check battery power
Generator buses
Generator limits

Power Plant

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Modular engine
Operation
Bleed air
Bleed air operation
Failed compressor progressive bleed valve
Air inlet
Engine anti-ice
Engine anti-ice actuators
Engine anti-ice annunciator
Engine control
Engine limitations
Engine fuel system
FCU fuel control unit
FCY py air
Oil system
Oil servicing
Oil system familiarization
Oil instruments
Chip detection
Ignition system
Auto ignition
Starter generator
Starter limitations
Accessory section
Abnormal FCU operation
Unscheduled torque
Minimum fuel flow
Power lever linkage failure
Engine start faults – hot start
Engine start faults – hung start
Engine start faults – Ignition and fuel
Engine start

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Primary governor functionalities
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Fuel topping governor
Fuel topping governor operation
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Blade angles
Ground fine and reverse
Feather
Propeller operation
Auto-feather system
Auto-feather system test
Auto-feather advisory annunciators
Propeller synchrophaser type II
Propeller synchrophaser type I
Limitations

Fuel System

Fuel tanks
Fuel system schematic
Auxiliary fuel system
AUX transfer override
Overflow line
Nacelle tank
Filler caps
Fuel control panel
Fuel pumps
Standby boost pumps
Fuel cross-feed operation
Fuel ventilation
Firewall shutoff valve
Fuel pressure warning
Aviation gasoline
Circuit breakers
Limitations

Landing Gear

System general
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Landing gear downlock
Wheel well doors
Safety Switch
Controls
Landing gear indications
Electrical gear system
Hydraulic operation
Hydraulic reservoir
Hydraulic fluid level
Hydraulic accumulator
Over temp protection
Emergency extension
Brake system
Brake fluid reservoir
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Brake system
Limitations

Environmental System

General description
System controls
Air distribution manual controls
Cabin eyeball outlets
Cabin temp mode controller
Automatic mode control
Vent blowers
Bleed air control
Air-to-air heat exchangers
Bleed air mixing
Air distribution
Duct overtemp
Electric heat
Radiant heat
Vapor cycle air conditioning
Vapor cycle air conditioner operation
Trip switch
Fresh air ventilation
Advisory and warnings

Cabin Pressurization

Cabin pressure vessel
Cabin differential pressure
Cabin altitude
Controls
Pressurization controller
System functions
Aft pressure bulkhead
Outflow and safety valves
Before takeoff
Climb
Cruise
Descent
Steep descent
Pressurization system test
Annunciators

Oxygen System

System overview
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Oxygen lines
Crew oxygen masks
First aid oxygen masks
Passenger oxygen masks
Servicing
Oxygen bottle
Deployment
Annunciator
Autodeployment
Time of useful consciousness
Oxygen duration

Fire Protection

System overview
Fire detection system
Fire detection
Photoconductive cell
False fire warning indications
Engine fire warning indications
Engine fire extinguisher
Engine fire extinguisher piping
Extinguisher discharge light
System test
Detection test
Firewall shutoff valve
Portable fire extinguishers

Door and Exits

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Emergency exit operation
Emergency exit lock
Airstair door
Airstair door operation
Airstair door annunciator

Lighting

Exterior lighting overview
Light switches – external lights
Taxi and landing lights
Anti-collision light
Wing ice light
Navigation lights
Recognition lights
Strobe lights
Flood lights
Cockpit lights
Baggage compartment light
FSB sign
Cabin accent light switch
Entry light

Ice and Rain Protection

Overview
Windshield heat
Windshield wipers
Surface de-ice
De-ice boot operation
De-ice single cycle
Ice removal
Stallwarning vane heat
Pitot mast heat
Fuel vent heating
Brake de-ice
Propeller de-ice
Propeller de-ice automatic mode
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Pneumatic System

Pneumatic system overview
Pneumatic air source
Pressure regulator
Vaccum air source
Ejector exhaust
Bleed air control
Cabin door seal
Hydraulic fill can
Engine bleed air warning system
Pneumatic and vaccu, gauges
System operation
Flight hour meter

King Air 200/N200 theoretical exam – 100 questions

Total duration: 30 hrs

Avionics

Avionics compartment
Audio control panel
Cabin PA system
Interphone and speakers
Navigation audio
Audio emergency switch
VHF 22 COMM radio
VHF 22 COMM radio – stored frequencies
Overheat protection
VIR-32 NAV receiver
DME display
Transponder
Pitot static system
Schematic
Pitot masts
Static ports
Alternate static source
Airspeed calibration graph

Antenna Locations

Aircraft Limitations

Maintenance Practices and Special Tooling

Maintenance practices
Phase inspections
Phase inspections calendar time
Phase inspections flight time
Alternate phase inspection program
Biennial inspection program
Inspection and time table
Inspection schedule outline
Overhaul and replacement schedule
Inspection interval tolerances
Inspection interval tolerances – special inspections
Scheduled servicing maintenance practices
Continuous corrosion control inspection
Unscheduled maintenance checks
Airplane zones
Standard practices airframe
Fuel distribution maintenance practices