Cessna 208A/B/EX Caravan Aircraft System Training– Course Contents

Aircraft General
Aircraft Variants
Certification
Cabin Configurations
Construction
Dimensions
Cargo Pod
Range C208
Range C208B
Range C208B EX
Altitude Limitations
Airspeed Limitations
Temperature Limitations
Weight Limitations

Flight Controls
Control surfaces
Control Linkage
Cockpit controls
Rudder Gust lock
Trims and trim tabs
Control yoke functions
Flaps

Doors and Exits
Locations
Emergency Exits
Cockpit Doors
Airstair Door
Cargo Door

Landing Gear
Construction
Nose gear
Damping
Nose wheel steering
Main wheels
Brakes
Brake operation
Brake servicing

Electrical System
System overview
Power distribution
Generator
Alternator
Battery
External power
GCU Generator Control Unit
Electrical Operation
Warning and Caution Messages
Avionics Buses
Electric System Protection
Engine Starter Function
Standby System

Powerplant
Description
Components
Operation
Bleed Air
Bleed Air Valve
Bleed Air Operation
Bleed Air Valve Failure
Air Inlet
Inertial Separator
Controls
Power Control Lever
Emergency Power Control Lever
Fuel Conditioning Lever
Reverse
Engine Instruments
Engine Fuel System
Ignition
Oil System
Oil Level
Oil Indications
Starter Generator
Engine start Switch
Engine Start Operations
Limitations
Engine Faults

Propeller
Description
Propeller Components
Propeller Blades and Angles
Propeller Operation
Propeller Controls
Propeller Governor
Propeller Overspeed Governor
Propeller Overspeed Governor Test
Beta Valve

Fuel System
System Description
Operation
Fuel Tanks
Fuel Drains
Fuel Pumps
Fuel Heater
Fuel Quantity
Fuel Flow Meter
Annunciators

Lights
Locations – External lights
Control switches
Internal lights and switches

Environmental System
Oxygen System Description
Oxygen Controls
Oxygen Bottle Pressure Indicator
Cabin Heating System
Ventilation
De-frost
Vent intakes
Air distribution
Air controls
Air Conditioning System
Cabin Heat Fire Wall Shut OFF

Pitot Static System
System Description
Pitot probes
Pitot Heat
Static Ports
Alternate Static Source

Ice Protection
System description De-ice Boots
De-Ice Boots operation
Electrically heated propeller blades
Windshield ice protection
Windshield wipers
System description TKS Ice Protection
Operation
Limitations
Servicing TKS Ice Protection

Stallwarning System
System Description
Testing

Fire Detection System
System Description
Thermal sensor wire loop
Location
Operation
Engine Fire Detection Test
Portable Fire Extinguishers

Warning System / CAS
Warning
Caution
Advisory

Autoflight
Mode control panel
Annunciations
Modes
Yawdamp
Operation
Limitations

Pre Flight Inspection
Introduction
Remove covers and tie downs
Cabin
Left side
Left wing and leading edge
Left wing and trailing edge
Empennage
Right wing and trailing edge
Right wing and leading edge
Nose

Maintenance Practices
Maintenance Practices
Scheduled inspections
Annual or 100 hrs inspection program
Corrosive prevention and control program
Task based inspection program
Allowable task tolerance
Task based inspection time limits
Component time limit
Supplemental inspection document
Classification for types of operation
Severe inspection time limits
Airworthiness limitations
Unscheduled maintenance checks
Inspection and time table
Dimensions and areas
Standard practices airframe
Torque application
Wiring diagrams

Special Tooling
Maintenance practices
Special tools and equipment
Jacks and supports
Shoring
Landing gear puller

Limitations

Weight & Balance

Total duration: 30 hrs