

C-12 C/D Minimum Equipment Subsystem List

System/Subsystem	Full System List	Basic System List				
		VFR Day	VFR Night	IFR Day	IFR Night	Icing
AIR CONDITIONING/ENVIRONMENTAL						
Pressurization Controller	X	X3	X3	X3	X3	X3
Cabin Rate of Climb Indicator	X	X	X	X	X	X
Cabin Altitude Annunciator	X	X	X	X	X	X
Differential Press/Cabin Alt Indicator	X	X	X	X	X	X
Outflow Valve	X	X	X	X	X	X
Safety Valve	X	X	X	X	X	X
Cabin Dump System	X	X	X	X	X	X
Air Conditioner	X	X1	X1	X1	X1	X1
Auto Temp Control System	X	X1	X1	X1	X1	X1
Manual Temp Control System	X					
Bleed Air Failure Annunciators (2)	X	X2	X2	X2	X2	X2
Pressurization Air Source (2)	X	X3	X3	X3	X3	X3
Bleed Air Shutoff Valve (2)	X	X	X	X	X	X
Duct Overtemp Annunciator	X	X	X	X	X	X
AUTO FLIGHT						
Autopilot	X					
COMMUNICATIONS						
VHF (3)	X	X4	X4	X4	X4	X4
SATCOM	X	X5	X5	X5	X5	X5
Radio Control Unit (2)	X	X4	X4	X	X	X
Audio Control Panel (3)	X	X6	X6	X6	X6	X6
Static Discharge Wicks (15)	X	X7	X7	X7	X7	X7
UHF	X	X8	X8	X8	X8	X8
HF	X	X8	X8	X8	X8	X8
ELECTRICAL						
Aircraft battery	X	X	X	X	X	X
Battery Charge System and Annunciator	X	X	X	X	X	X
Auxiliary Battery	X	X	X	X	X	X
Auxiliary Battery Annunciator	X	X	X	X	X	X
DC Generator (2)	X	X	X	X	X	X
DC Loadmeter (2)	X	X	X	X	X	X
DC Generator Annunciator (2)	X	X9	X9	X9	X9	X9
Inverter (2)	X	X	X	X	X	X
Inverter Warning Annunciator (2)	X	X10	X10	X10	X10	X10
AC Frequency/Voltmeter (2)	X	X	X	X	X	X
Emergency Battery Power Supply	X	X	X	X	X	X
ENGINE INDICATING						
Propeller Tachometer Indicator (2)	X	X	X	X	X	X
Turbine Tachometer (N1) (2)	X	X	X	X	X	X
TGT Indicator (2)	X	X	X	X	X	X
Torque Indicator (2)	X	X	X	X	X	X

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		VFR Day	VFR Night	IFR Day	IFR Night	Icing
Engine Oil Pressure/Temperature (2)	X	X	X	X	X	X
Chip Detector System and Annunciator (2)	X	X	X	X	X	X
FIRE PROTECTION						
Engine Fire Detector System & Annunciator (2)	X	X	X	X	X	X
Engine Fire Extinguisher (2)	X	X	X	X	X	X
Portable Fire Extinguisher (2)	X	X	X	X	X	X
FLIGHT CONTROLS						
Flap Position Indicator	X11	X11	X11	X11	X11	X11
Trim Tab Indicators (3)	X12	X12	X12	X12	X12	X12
Yaw Damp	X13	X13	X13	X13	X13	X13
Stall Warning Horn	X	X	X	X	X	X
Rudder Boost System (if installed)	X					
Flap System	X	X	X	X	X	X
FUEL SYSTEM						
Standby Fuel Boost Pump (2)	X	X14	X14	X14	X14	X14
Engine Drive Boost Pump (2)	X	X	X	X	X	X
Firewall Shutoff Valve (2) including annunciators	X	X	X	X	X	X
Fuel Quantity Indicator (2) including annunciators	X	X15	X15	X15	X15	X15
Crossfeed Valve	X	X	X	X	X	X
Crossfeed Light	X	X16	X16	X16	X16	X16
Fuel Flow Indicator (2)	X	X17	X17	X17	X17	X17
Fuel Pressure Warning Annunciator (2)	X	X18	X18	X18	X18	X18
Jet Transfer Pump (2)	X	X19	X19	X19	X19	X19
Motive Flow Valve (2)	X	X19	X19	X19	X19	X19
Fuel Quantity Gage Selector Switch	X	X20	X20	X20	X20	X20
FLIGHT SAFETY EQUIPMENT						
Seat Belts (10)	X	X21	X21	X21	X21	X21
Shoulder Harness: Pilot, Copilot, AMT	X	X22	X22	X22	X22	X22
Emergency Locator Transmitter	X	X	X	X	X	X
Flight Data Recorder	X	X	X	X	X	X
Cockpit Voice Recorder	X	X	X	X	X	X
TAWS	X	X5	X	X	X	X
TCAS	X	X	X	X	X	X
Stall Warning	X	X	X	X	X	X
Stall Strip (2)	X	X	X	X	X	X
Survival Equipment	X	X5	X5	X5	X5	X5
PBE (2)	X	X	X	X	X	X
Flashlights	X					
ICE AND RAIN PROTECTION						
Surface De-ice System	X					X
Engine Anti-Ice System and Annunciator	X	X24	X24	X24	X24	X24
Windshield Heat (2)	X					X

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		VFR Day	VFR Night	IFR Day	IFR Night	Icing
Engine Auto Ignition System and Lights	X	X	X	X	X	X
Pitot Heat	X			X	X	X
Alternate Static Air Source	X	X	X	X	X	X
Propeller Deice System	X					X
Heated Fuel Vent	X					X
Stall Warning Heat	X					X
Pneumatic Pressure Indicator	X					X
Wing Ice Light	X					X
Brake Deice System	X					X
LANDING GEAR						
Landing Gear Position Indicator Lights	X	X	X	X	X	X
Landing Gear Handle Light	X	X	X	X	X	X
Landing Gear Aural Warning	X	X	X	X	X	X
Emergency Landing Gear Extension System	X	X	X	X	X	X
LIGHTS AND INDICATORS						
Cockpit and Instrument Lights	X		X		X	
Landing and Taxi Lights	X		X		X	
Beacon	X	X	X	X	X	X
Position Lights	X		X		X	
Master Fault Caution Lights	X	X	X	X	X	X
TAWS Annunciation Lights	X	X	X	X	X	X
Cabin Door Caution Annunciator	X	X25	X25	X25	X25	X25
NAVIGATION INSTRUMENTS						
Navigation Display	X		X	X	X	X
Navigation Display Control Panel	X		X	X	X	X
Navigation Equipment	X	X5	X5	X5	X5	X5
Flight Management System (2)	X	X4	X4	X4	X4	X4
GPS (2)	X	X4	X4	X4	X4	X4
TA-12	X	X5	X5	X5	X5	X5
Standby Magnetic Compass	X	X	X	X	X	X
IFF Mode S Transponder	X	X	X	X	X	X
Clock	X			X	X	X
Radio Altimeter	X	X	X	X	X	X
Outside Air Temp Indicating System	X	X	X	X	X	X
Primary Flight Display (2)	X	X26	X26	X26	X26	X26
Pilots PFD Control Panel	X	X	X	X	X	X
Copilots PFD Control Panel	X					
Course Heading Control Panel	X			X	X	X
Reference Select Control Panel	X					
Air Data Computer	X	X4	X4	X	X	X
Attitude Heading Reference System	X	X4	X4	X	X	X
Electronic Standby Instrument System	X		X	X	X	X

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Pedestal Cooling Fan	X	X	X	X	X	X
OXYGEN						
Oxygen System	X	X	X	X	X	X
PROPELLERS						
Propeller Governor	X	X	X	X	X	X
Overspeed Governor	X	X	X	X	X	X
Propeller Governor Test Switch	X	X	X	X	X	X
Prop Reversing System (If installed)	X	X	X	X	X	X
Auto-Feather System (If installed)	X	X	X	X	X	X
Propeller Primary Low Pitch Stop	X	X	X	X	X	X

NOTES:

- 1 - Determined by pilot; if deemed flyable, A/C is MC.
- 2 - One may be inoperative provided bleed air is not used from side of failed light.
- 3 - Flight limited to cabin altitude of 10,000 ft. or less.
- 4 - One system must be operable.
- 5 - As determined by mission (i.e. passenger carrying, oceanic flights, local procedures, etc).
- 6 - AMT panel may be inoperative.
- 7 - Eight (8) must be installed IAW flight manual and in serviceable condition.
- 8 - If required by FAA/ICAO airspace.
- 9 - One may be inoperative provided corresponding loadmeter is monitored.
- 10 - One may be inoperative provided corresponding AC Freq/Volt meter is monitored.
- 11 - May be inoperative provided the flap travel is visually inspected prior to takeoff.
- 12 - May be inoperative provided the tabs are visually checked in the neutral position prior to takeoff for full range operation.
- 13 - May be inoperative for flight at and below 17000 ft. Not required for BD-04.
- 14 - One may be inoperative unless operating on aviation gasoline above 20000 ft.
- 15 - One may be inoperative provided other side is operational and amount of fuel on board can be established for intended flight.
- 16 - May be inoperative provided proper operation of crossfeed system is checked prior to takeoff. Both fuel pressure light must be operative.
- 17 - One may be inoperative provided fuel quantity gages are operative.
- 18 - One may be inoperative provided standby boost pump operation is ascertained using opposite light with crossfeed prior to engine start. Standby Boost pump on side of failed light must be operated in flight to assure fuel pressure, should the engine driven boost pump fail.
- 19 - Not required if Aux Tank fuel not required.
- 20 - May be inoperataive provided MAIN quantity indicators are operational.
- 21 - One per occupied seat.
- 22 - AMT position required as mission dictates.
- 23 - Required during icing conditions
- 24 - Annunciator may be inoperative provided manual ice vane controls are operational.

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25 - May be inoperative provided visual indicators are checked.

26 - Copilot's PFD may be inoperative.