



ITEM NO	DESCRIPTION	QTY PER AIRCRAFT
1	VALVE, L.P. BLEED AIR CHECK	2
2	VALVE, BLEED AIR PRESSURE REG. & S/O	2
3	VALVE, BLEED AIR ISOLATION S/O	1
4	VALVE, AIR CONDITIONING SYSTEM SHUTOFF & FLOW CONTROL	2
5	FILTER, CABIN/COCKPIT OZONE	2
6	REFRIGERATION UNIT	2
(a)	PRIMARY/SECONDARY HEAT EXCHANGER	4
(b)	AIR CYCLE MACHINE (ACM)	2
(c)	ANTI-ICE MODULATING VALVE	2
(d)	OVERTEMPERATURE SWITCH	2
(e)	ACM BYPASS CHECK VALVE	2
(f)	ACM BYPASS SHUTOFF VALVE	2
(g)	COOLING FAN	2
(h)	BYPASS DUCT ASSEMBLY	2
7	VALVE, TURBINE DISCHARGE WATER DRAIN	2
8	VALVE, SERVO AIR PRESSURE REG.	2
9	VALVE, CABIN/COCKPIT TEMPERATURE CONTROL	2
10	SEPARATOR, WATER	2
11	SENSOR, CABIN/COCKPIT DUCT OVERTEMPERATURE	2
12	SENSOR, WATER/SEPARATOR ANTI-ICE CONTROLLER	2

ITEM NO	DESCRIPTION	QTY PER AIRCRAFT
13	VALVE, CABIN/COCKPIT AIR CHECK	2
13a	VALVE, RAM AIR CHECK	1
14	VALVE, CABIN/COCKPIT FACE AIR CHECK	2
15	WATER, SPRAY ASPIRATOR	2
16	SELECTOR, CABIN/COCKPIT TEMPERATURE	2
17	CONTROLLER, CABIN/COCKPIT TEMPERATURE	2
18	SENSOR, CABIN/COCKPIT TEMPERATURE CONTROL	3
19	SENSOR, COCKPIT TEMPERATURE CONTROL	1
20	SENSOR, CABIN/COCKPIT DUCT TEMPERATURE ANTICIPATOR	2
21	MANUAL CABIN PRESSURE	1
22	CONTROLLER, CABIN PRESSURE	1
23	TRANSDUCER, CABIN PRESSURE	1
24	VALVE, CABIN AIR OUTFLOW	1
25	VALVE, CABIN PRESSURE SAFETY	1
26	EMI FILTER, CABIN PRESSURE CONTROL	1
27	SWITCH, EMERGENCY CABIN PRESSURE RATE	1
28	AUXILIARY POWER UNIT (APU)	1
29	VALVE, APU AIR CHECK	1
30	NIPPLE, CHECK VALVE & AIR START ASSY	1

**LEGEND**

	BLEED AIR & AIR COND DISTRIBUTION LINES
	PNEUMATIC CONTROL SYSTEM
	ELECTRICAL LINES

Air Conditioning System –  
Block Diagram  
Figure 1

**21-00-00**

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