SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
Chapter 21 – Air Conditioning																	
1.	Heater Ejector	Condition and security. (Card 22–11)						X			X			X			X
2.	Heater Silencer	Condition and security; installation for condition and security. (Card 22–12)						X			X			X			X
3.(1)	Ram Air Control Valve	Operating mechanism for ease of operation and security; flexible cable, clamps and brackets for condition and security. (Card 22–10, 23–03)						X			X			X			X
3.(2)	Ram Air Control Valve	Functional test. (Card FUN–E7)						X			X			X			X
4.(1)	Cabin Air Control Valve	Operating mechanism for ease of operation and security; flexible cable, clamps and brackets for condition and security. (Card 22–10, 23–03)						X			X			X			X
4.(2)	Cabin Air Control Valve	Functional test. (Card FUN–E8)						X			X			X			X
5.	Duct Temperature Sensor	Security. (Card 29–10)									X						X
6.	Outside Air Temperature Sensor	Security. (Card 29–04)									X						X
7.	Duct Overheat Switch	Security. (Card 29–10)									X						X
8.(1)	Cabin Temperature Sensor	Condition and security. (Card 25–05)						X			X			X			X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
8.(2)	Cabin Temperature Sensor	Operational test, sensor blower. (Power on). (Card FUN–E2)						X			X			X			X
9.(1)	Heating System Hot Air Valves	Security. (Card 22–15)						X			X			X			X
9.(2)	Heating System Hot Air Valves	Operational test, travel time from open to close. (Power on). (Card FUN–E3)						X			X			X			X
10.	Automatic Temperature Controller	Condition and security; mounting brackets for security. (Card 32–06)									X						X
11.(1)	Cabin Exhaust Outlet	Vent for condition and obstructions. (Card 11–16)				X	X	X	X	X	X	X	X	X	X	X	X
11.(2)	Cabin Exhaust Outlet	Outlet scoop for condition and security. Clean as required. (Card 31–04)									X						X
12.	Heating System Outlets	Condition and security. Clean as required. (Card 30–04)									X						X
13.	Duct Assemblies																
13.a.(1)	Duct Assemblies - Ram Air Inlet (Pre Mod 6/1070)	Free from obstruction. Clean as required. (Card RA–EXT–1)	X														
13.a.(2)	Duct Assemblies - Ram Air Inlet (Pre Mod 6/1070)	Screens for condition. Clean as required. (Card 22–01)						X			X			X			X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
13.b.(1)	Duct Assemblies - Ram Air Inlet (Mod 6/1070)	Free from obstruction. Clean as required. (Card RA–EXT–1)	X														
13.b.(2)	Duct Assemblies - Ram Air Inlet (Mod 6/1070)	Scoop and duct for condition. Clean as required. (Card 22–01)						X			X			X			X
13.c.	Duct Assemblies - Main Duct Fan	Security. (Card 22–13)						X			X			X			X
13.d.	Duct Assemblies - Flight/Cabin Compartment Heating Ducts	Condition and evidence of overheat, connections for security. Ducts for condition and delamination, supporting structure for condition and security. (Card 22–14)						X			X			X			X
13.e.	Duct Assemblies - Flight/Cabin Compartment Ventilating	Condition and security; louvers for proper operation. (Card 32–04, 30–05)									X						X
13.f.	Duct Assemblies - Recirculated Air Flap Mechanism	Condition and security. (Card 29–11)									X						X
14.	Bleed Air Systems																
14.a.	Bleed Air Systems - Bleed Air Pipes below cockpit floor	Condition and security. Clamps and brackets for condition and security. Insulation for condition. (Card 29–12)									X						X
14.b.	Bleed Air Systems - Bleed Air Pipes in Cabin Ceiling area	Condition and security. Clamps and brackets for condition and security. Insulation for condition. (Card 32–22)									X						X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
14.c.(1)	Bleed Air Systems - Bleed Air Shut Off Valve in Nacelle	Condition and security. (Card 42–08, 43–08)						X			X			X			X
14.c.(2)	Bleed Air Systems - Bleed Air Shut Off Valve in Nacelle	Operational test. (Power on). (Card FUN–D3)					X		X		X		X		X		X
15.	Wing De-Vore Bleed Air Ducts																
15.a.	Wing De-Vore Bleed Air Ducts (Pre Mod 6/1614)	Condition and security. Inspect for cracks. **Note** **Refer to S/B No. 6/355 and De Vore S/B DAS1000SB instructions.** (Card 06–06, 07–06)			X												
15.b.	Wing De-Vore Bleed Air Ducts (Mod 6/1614)	Condition and security, bellows (root rib end) for condition. (Card 27–08, 28–09)						X			X			X			X
16.	Electrical Wires and Connections	Condition and security, insulation for condition; bonding wire for condition. (Card 22–08, 22–16)						X			X			X			X
17.	Heating (Bleed Air) System	Functional test. (Power on). (Card FUN–G2)									X						X
18.(1)	Cooling and Demisting Fans (Pre Mod 6/2014) (SOO 6322)	Condition and security, mounting brackets for security. (Card 30–06)									X						X
18.(2)	Cooling and Demisting Fans (Pre Mod 6/2014) (SOO 6322)	Operational test. (Power on). (Card FUN–E1)						X			X			X			X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
19.	JB Air Conditioner System																
19.a.	JB Air Conditioner System - Intakes and Exhaust Outlets (Pre Mod 6/2014)	Free from obstruction. Clean as required. (Card RA–EXT–2)	X														
19.b.	JB Air Conditioner System - Cabin Floor Return Air Grill Filter (Pre Mod 6/2014)	Condition and free from obstruction. (Card 04–02)			X												
19.c.	JB Air Conditioner System - Ducts (Pre Mod 6/2014)	Condition and security; freedom from obstruction. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.d.	JB Air Conditioner System - Compressor and Motor (Pre Mod 6/2014)	Condition, security and leakage. Check belts for tension. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.e.	JB Air Conditioner System - Evaporator and Fan (Pre Mod 6/2014)	Condition, security and leakage. Clean as required. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.f.	JB Air Conditioner System - Condenser and Fan (Pre Mod 6/2014)	Condition, security and leakage. Clean as required. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.g.	JB Air Conditioner System - Receiver Dryer (Pre Mod 6/2014)	Condition, security and leakage. Clean as required. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
19.h.	JB Air Conditioner System - Expansion Valve (Pre Mod 6/2014)	Condition, security and leakage. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.i.	JB Air Conditioner System - Pressure Switch (Pre Mod 6/2014)	Condition, security and leakage. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.j.	JB Air Conditioner System - Thermostat Switch (Pre Mod 6/2014)	Condition, security and leakage. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.k.	JB Air Conditioner System - Relay Panel (Pre Mod 6/2014)	Condition, security and leakage. Panel relay components for condition and security. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.l.	JB Air Conditioner System - Electrical Wiring and Connections (Pre Mod 6/2014)	Condition, security and leakage. Insulation for condition and clipping for security; connections for security. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.m.	JB Air Conditioner System - Pipelines and Connections (Pre Mod 6/2014)	Condition, security and leakage. Connections for security and insulation for condition. (Card 09–14)				X	X	X	X	X	X	X	X	X	X	X	X
19.n.	JB Air Conditioner System - Air Conditioner System (Pre Mod 6/2014)	Operational test. (Power on). (Card FUN–D4)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
20.(1)	Fwd Avionics Cooling Fans (Mod 6/2049)	Condition, security and free of obstruction; bonding wires for condition and security of attachment. Clean as required. (Card 15–19)					X		X		X		X		X		X
20.(2)	Fwd Avionics Cooling Fans (Mod 6/2049)	Function test. (Power on). (Card FUN–A6)		X													
21.(1)	DAU Cooling Fans (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–23c)					X		X		X		X		X		X
21.(2)	DAU Cooling Fans (Mod 6/2049)	Function test. (Power on). (Card FUN–A7)		X													
22.	Fwd Avionics Compartment Air Filter (Mod 6/2014)	Condition, security and free of obstruction. Clean as required. (Cards 15–19A, SP1–G8)					X		X		X		X		X		X
23.(1)	STA 111 Cabin Fans (SOO 6378)	Condition and security; standoff mounting brackets for security. (Card 11–25)				X	X	X	X	X	X	X	X	X	X	X	X
23.(2)	STA 111 Cabin Fans (SOO 6378)	Operational Test (Power on) (Card FUN–D9)					X		X		X		X		X		X
23.(3)	STA 111 Cabin Fans EMI Filter (SOO 6378)	Electrical EMI noise filter for condition, security and signs of overheating. Wiring for condition, overheating or arcing; ground post for tightness and corrosion. (Card 30–12)						X			X			X			X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
24.(1)	STA 332 Blower (SOO 6379)	Condition and security; mounting tray for security; outlet screen for debris. Clean as required. (Card 11–26)				X	X	X	X	X	X	X	X	X	X	X	X
24.(2)	STA 332 Blower (SOO 6379)	Operational Test (Power on) (Card FUN–D10)					X		X		X		X		X		X