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

PART 1 BASIC INSPECTION - 21

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

PART 1 BASIC INSPECTION - 21

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

PART 1 BASIC INSPECTION - 21

	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

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 22 – Auto Flight																	
(Honeywell H14) **(King Radio H14)**																	
1.(1)	Computer	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
1.(2)	Computer	Mounting for condition and security. (Card 29–09)									X						X
2.	Flight Controller	Condition and security. Clean as required. (Card 09–05)				X	X	X	X	X	X	X	X	X	X	X	X
3.	Aileron Servo System (Flight Compartment)	Aileron servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable clamp. (Card 09–06)				X	X	X	X	X	X	X	X	X	X	X	X
3.a.	Aileron Servo System - Aileron Servo	Condition and security of mounting. (Card 09–15)				X	X	X	X	X	X	X	X	X	X	X	X
3.a.(1)	Aileron Servo System - Aileron Servo	Mounting and brackets for condition and security. (Card SP2–M2)				Every 2400 hours											
3.a.(2)	Aileron Servo System - Aileron Servo	Remove servo for bench test and install serviceable unit. (Card CT–F–B1)															

PART 1 BASIC INSPECTION - 22

	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
4.	Rudder Servo System (Aft Fuselage)	Rudder servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable clamp. (Card 11–01)				X	X	X	X	X	X	X	X	X	X	X	X
4.a.	Rudder Servo System - Rudder Servo	Condition and security of mounting. (Card 11–21)				X	X	X	X	X	X	X	X	X	X	X	X
4.a.(1)	Rudder Servo System - Rudder Servo	Mounting brackets for condition and security. (Card SP2–M2)						Every 2400 hours									
4.a.(2)	Rudder Servo System - Rudder Servo	Remove servo for bench test and install serviceable unit. (Cards CT–F–B1)															
5.	Elevator Servo System (Aft Fuselage)	Elevator servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable clamp. (Card 11–02)				X	X	X	X	X	X	X	X	X	X	X	X
5.a.	Elevator Servo System - Elevator Servo	Condition and security of mounting. (Card 11–22)				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
5.a.(1)	Elevator Servo System - Elevator Servo	Mounting brackets for condition and security. (Card SP2–M2)						Every 2400 hours									
5.a.(2)	Elevator Servo System - Elevator Servo	Remove servo for bench test and install serviceable unit. (Card CT-F-B1)															
6.	Disengage Switch	Condition and security. Clean as required. (Card 23–15)							X				X				X
7.	Water Trap Assembly	Condition and security; drain tube for condition and drain holes for obstruction. (Card 11–04)				X	X	X	X	X	X	X	X	X	X	X	X
8.	Solenoid Engage - Air Valve	Security. (Card 32–05)									X						X
9.	Pneumatic Filter	Remove element and install new element. Leak check (Engine running). (Card FUN–C11)				X	X	X	X	X	X	X	X	X	X	X	X
	Optional Autopilot Components																
10.	Altitude Hold Static Line	Condition and security. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
11.	Heading Selector	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
12.	VOR Dual Selector Relay	Condition and security. Clean as required. (Card 08–11)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 22

	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.	Automatic Pitch Trim Servo System (Rear Fuselage)	Pitch trim servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drive for condition and security, freedom of operation. Clamps for security and no evidence of movement on main elevator trim cable clamp. (Card 11–05)				X	X	X	X	X	X	X	X	X	X	X	X
13.a.	Automatic Pitch Trim Servo System - Pitch Trim Servo	Condition and security of mounting; hood for condition and security. (Card 11–06)				X	X	X	X	X	X	X	X	X	X	X	X
13.a.(1)	Automatic Pitch Trim Servo System - Pitch Trim Servo	Mounting brackets for condition and security. (Cards 32–18, SP2–M2)						Every 2400 hours									
13.a.(2)	Automatic Pitch Trim Servo System - Pitch Trim Servo	Remove servo for bench test and install serviceable unit. (Card CT–F–B2)															
13.b.(1)	Automatic Pitch Trim Servo System - Differential Pressure Switch	Security. Clean as required. (Card 11–03)				X	X	X	X	X	X	X	X	X	X	X	X
13.b.(2)	Automatic Pitch Trim Servo System - Differential Pressure Switch	Remove for bench test and install serviceable unit. (Card CT–F–B2)						Every 2400 hours									
14.	Pneumatic Pipes and Connections	Pipes for condition and connections for security. (From solenoid valve to all servo and pitch trim units). (Card 32–05)									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
15.	Autopilot Electrical Wiring and Connectors	Wiring and connectors for condition and security; bonding for security. Clean as required. (Cards 09–17, 08–19, 11–11)				X	X	X	X	X	X	X	X	X	X	X	X
16.(1)	H14 Autopilot System	Operational test. (Power on). (Card FUN–C2)				X	X	X	X	X	X	X	X	X	X	X	X
16.(2)	H14 Autopilot System	Functional test. (Power on). (Card FUN–G4)									X						X
Bendix M-4C Autopilot System																	
17.(1)	Bendix M-4C Autopilot System - Computer	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
17.(2)	Bendix M-4C Autopilot System - Computer	Mounting installation for condition and security. (Card 29–09)									X						X
18.	Flight Controller	Condition and security. Clean as required. (Card 09–05)				X	X	X	X	X	X	X	X	X	X	X	X
19.	Aileron Servo System (Flight Compartment)	Aileron servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable clamp. (Card 09–06)				X	X	X	X	X	X	X	X	X	X	X	X
19.a.(1)	Aileron Servo System - Aileron Servo	Condition and security of mounting. (Card 09–15)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 22

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.a.(2)	Aileron Servo System - Aileron Servo	Mounting brackets for condition and security. (Card 30–11)									X						X
19.a.(3)	Aileron Servo System - Aileron Servo	Remove, clean as required and lubricate. Check motor and clutch brushes for wear; replace as necessary, check clutch torque and adjust, if required, every 500 hours. Install serviceable servo. (Card 09–16)				X	X	X	X	X	X	X	X	X	X	X	X
19.a.(4)	Aileron Servo System - Aileron Servo	Replace primary servo bearings, turn and undercut commutator ring. (Cards CT–E–B1, SP2–I1)							X				X				X
20.	Rudder Servo System (Rear Fuselage)	Rudder servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. **Note** **Refer to A.D. 81-01-06 if applicable.** (Card 11–01)				X	X	X	X	X	X	X	X	X	X	X	X
20.a.(1)	Rudder Servo System - Rudder Servo	Condition and security of mounting. (Card 11–21)				X	X	X	X	X	X	X	X	X	X	X	X
20.a.(2)	Rudder Servo System - Rudder Servo	Mounting brackets for condition and security. (Card 32–17)									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.a.(3)	Rudder Servo System - Rudder Servo	Remove; clean as required, and lubricate. Check motor and clutch brushes for wear; replace as necessary. Check clutch torque and adjust, if required, every 500 hours. Install serviceable servo. (Card 11–01A)				X	X	X	X	X	X	X	X	X	X	X	X
20.a.(4)	Rudder Servo System - Rudder Servo	Replace primary servo bearings, turn and undercut commutator ring. (Cards CT–E–B1, SP2–I1)							X				X				X
21.	Elevator Servo System (Rear Fuselage)	Elevator servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–02)				X	X	X	X	X	X	X	X	X	X	X	X
21.a.(1)	Elevator Servo System - Elevator Servo	Condition and security of mounting. (Card 11–22)				X	X	X	X	X	X	X	X	X	X	X	X
21.a.(2)	Elevator Servo System - Elevator Servo	Mounting brackets for condition and security. (Card 32–19)									X						X
21.a.(3)	Elevator Servo System - Elevator Servo	Remove; clean as required, and lubricate. Check motor and clutch brushes for wear; replace as necessary. Check clutch torque and adjust, if required, every 500 hours. Install serviceable servo. (Card 11–02A)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 22

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
21.a.(4)	Elevator Servo System - Elevator Servo	Replace primary servo bearings, turn and undercut commutator ring. (Cards CT–E–B1, SP2–I1)							X				X				X
22.	Pitch Trim Servo System (Rear Fuselage)	Pitch trim servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main trim cable. (Card 11–05)				X	X	X	X	X	X	X	X	X	X	X	X
23.(1)	Pitch Trim Servo	Remove pitch trim servo every 500 hours clean as required and lubricate. Check clutch value and adjust if necessary. Install serviceable unit and check cable retaining clip for condition and security. (Card 11–07)				X	X	X	X	X	X	X	X	X	X	X	X
23.(2)	Pitch Trim Servo	Mounting brackets for condition and security. (Card 32–18)									X						X
24.	Disengage Switches	Condition and clean as required. (Card 30–07)									X						X
25.	Altitude Controller	Condition and security. Pipes and connections for security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
26.	Slip/Skid Sensor	Condition and security. Clean as required. (Card 08–21)				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
27.	Turn and Slip Sensor	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
28.	Heading and Attitude Reference Unit	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
29.	Electrical Wiring and Connectors	Wiring and connectors for condition and security; bonding for security. Clean as required. (Cards 09–17, 08–19, 11–11)				X	X	X	X	X	X	X	X	X	X	X	X
30.(1)	Bendix M4C/D Autopilot	Operational test. (Power on). (Card FUN–C2)				X	X	X	X	X	X	X	X	X	X	X	X
30.(2)	Bendix M4C/D Autopilot	Functional test. (Power on). (Card FUN–G4)									X						X
Collins AP-106 Autopilot System																	
31.(1)	Collins AP-106 Autopilot System - Computer	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
31.(2)	Collins AP-106 Autopilot System - Computer	Mounting installation for condition and security. (Card 29–09)									X						X

PART 1 BASIC INSPECTION - 22

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
32.	Aileron Servo System (Flight Compartment)	Aileron servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 09–06)				X	X	X	X	X	X	X	X	X	X	X	X
32.a.(1)	Aileron Servo System - Aileron Servo	Condition and security of mounting. (Card 09–15)				X	X	X	X	X	X	X	X	X	X	X	X
32.a.(2)	Aileron Servo System - Aileron Servo	Mounting brackets for condition and security. (Card 30–11)									X						X
32.a.(3)	Aileron Servo System - Aileron Servo	Remove and send servo units to a Collins authorized service center for inspection and test as per Collins SIL2-81 every 1000 flight hours. Install serviceable unit. (Card CT–B–B1)					X		X		X		X		X		X
32.b.	Aileron Servo System - Aileron Servo Capstan	Perform on aircraft slip clutch inspection test as per Collins SIL1-94 every 1000 flight hours. (Card 16–17)					X		X		X		X		X		X
33.	Elevator Servo System (Rear Fuselage)	Elevator servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–02)				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
33.a.(1)	Elevator Servo System - Elevator Servo	Condition and security of mounting. (Card 11–22)				X	X	X	X	X	X	X	X	X	X	X	X
33.a.(2)	Elevator Servo System - Elevator Servo	Mounting brackets for condition and security. (Card 32–19)									X						X
33.a.(3)	Elevator Servo System - Elevator Servo	Remove and send servo units to a Collins authorized service center for inspection and test as per Collins SIL2-81 every 1000 flight hours. Install serviceable unit. (Card CT–B–B1)					X		X		X		X		X		X
33.b.	Elevator Servo System - Elevator Servo Capstan	Perform on aircraft slip clutch inspection test as per Collins SIL1-94 every 1000 flight hours. (Card 18–20)					X		X		X		X		X		X
34.	Rudder Servo System (Rear Fuselage)	Rudder servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–01)				X	X	X	X	X	X	X	X	X	X	X	X
34.a.(1)	Rudder Servo System - Rudder Servo	Condition and security of mounting. (Card 11–21)				X	X	X	X	X	X	X	X	X	X	X	X
34.a.(2)	Rudder Servo System - Rudder Servo	Mounting brackets for condition and security. (Card 32–17)									X						X

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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
34.a.(3)	Rudder Servo System - Rudder Servo	Remove and send servo units to a Collins authorized service center for inspection and test as per Collins SIL2-81 every 1000 flight hours. Install serviceable unit. (Card CT–B–B1)					X		X		X		X		X		X
34.b.	Rudder Servo System - Rudder Servo Capstan	Perform on aircraft slip clutch inspection test as per Collins SIL1-94 every 1000 flight hours. (Card 18–20)					X		X		X		X		X		X
35.	Pitch Trim Servo System (Rear Fuselage)	Pitch trim servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security. Pulleys and cable drums for condition and security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–05)				X	X	X	X	X	X	X	X	X	X	X	X
35.a.(1)	Pitch Trim Servo System Pitch Trim Servo	Condition and security of mounting. (Card 11–06)				X	X	X	X	X	X	X	X	X	X	X	X
35.a.(2)	Pitch Trim Servo System Pitch Trim Servo	Mounting brackets for condition and security. (Card 32–18)									X						X
35.a.(3)	Pitch Trim Servo System Pitch Trim Servo	Perform on aircraft clutch torque inspection and adjust if necessary. (Card 18–21)					X		X		X		X		X		X
36.	Altitude Controller	Condition and security. Pipes and connections for security. Clean as required. (Card 08–12)				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
37.	Pitch/Turn Control	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
38.	Turn and Slip Sensor	Condition and security. Clean as required. (Card 08–12)				X	X	X	X	X	X	X	X	X	X	X	X
39.(1)	Gain Programmer **Airworthiness Directive F.A.A. 75-12-10**	Condition and security; cover cooling holes free from obstruction. **Note Refer to A.D., if applicable.** (Card 08–20)				X	X	X	X	X	X	X	X	X	X	X	X
39.(2)	Gain Programmer	Mounting tray for condition and security. (Card 29–15)									X						X
40.(1)	I.A.S. Sensor **Airworthiness Directive F.A.A. 75-12-10**	Condition and security; pipes and connections for security. **Note Refer to A.D., if applicable.** (Card 08–20)				X	X	X	X	X	X	X	X	X	X	X	X
40.(2)	I.A.S. Sensor	Mounting brackets for condition and security. (Card 29–15)									X						X
41.	Autopilot Disengage Switch	Security and clean as required. (Card SP2–M1)				**Every 400 hours**											
Optional Autopilot Components																	
42.	Flight Director Indicator	Condition and security; electrical connection for security. (Card 16–03h)					X		X		X		X		X		X

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	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
43.	Radio Magnetic Indicator **Airworthiness Directive F.A.A. 76-07-09**	Condition and security, connector for security. Clean as required. **Note** **Refer to Service Bulletin No. 6/349, and A.D., if applicable.** (Card 16–03g)					X		X		X		X		X		X
43.a.	Directional Indicator	Condition and security; electrical connections for security. Clean as required. (Card 16–03b)					X		X		X		X		X		X
43.b.	Slaving Indicator	Condition and security. Clean as required. (Card 16–03i)					X		X		X		X		X		X
44.	Electrical Wiring and Connectors	Wiring and connectors for condition and security; bonding for condition. Clean as required. (Cards 09–17, 08–19, 11–11)				X	X	X	X	X	X	X	X	X	X	X	X
45.(1)	Collins AP-106 Autopilot System	Operational Test. (Power on). (Card FUN–C2)				X	X	X	X	X	X	X	X	X	X	X	X
45.(2)	Collins AP-106 Autopilot System	Functional Test. (Power on). (Card FUN–G4)									X						X
46.	Flight Controller	Condition and security. Clean as required. (Card 09–05)				X	X	X	X	X	X	X	X	X	X	X	X
AFCS (Mod 6/2303 & SOO 6221)																	
47.	Flight Director (Mod 6/2303)	Operational test. (Power on). (Card FUN–C2)				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
48.	AFCS - Pilot and Co-Pilot, Go Around (G/A) and Touch Control Steering (TCS) Switch (Mod 6/2303)	Security and clean as required. (Card 09–19a)				X	X	X	X	X	X	X	X	X	X	X	X
49.	AFCS - Pilot and Co-Pilot Disconnect (AP DISC) and Electric Manual Pitch Trim Switch (Mod SOO 6221)	Security and clean as required. (Card 09–19b)				X	X	X	X	X	X	X	X	X	X	X	X
50.a.	AFCS - Function Test (Mod SOO 6221)	Function Test. (Card 09–19c)				X	X	X	X	X	X	X	X	X	X	X	X
50.b.	AFCS - Operational (Routine) Test (Mod SOO 6221)	Operational test. (Power On). (Card RA–OPR–07	X														
51.	SM3000 Aileron Servo System - Aileron Servo	Aileron servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 09–06)				X	X	X	X	X	X	X	X	X	X	X	X
51.a.	SM3000 Aileron Servo System - Aileron Servo	Condition and security of mounting. (Card 09–15)				X	X	X	X	X	X	X	X	X	X	X	X
51.b.	SM3000 Aileron Servo System - Electrical Wiring and Connections	Wiring and connectors for condition and security; bonding for security. Clean as required. (Card 09–17)				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
51.c.	SM3000 Aileron Servo System - Aileron Servo	Check bridle cable tensions and verify no slippage of clamps has occurred. (Card 16–23)					X		X		X		X		X		X
51.d.	SM3000 Aileron Servo System - Aileron Servo	Inspect grounding of unit wiring bundle shield braid to airframe structure (<7.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 16–22a)					X		X		X		X		X		X
51.e.	SM3000 Aileron Servo System - Aileron Servo	Inspect bonding of the mating surfaces between the servo mount and airframe structure (<2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 16–22b)					X		X		X		X		X		X
51.f.	SM3000 Aileron Servo System - Aileron Servo	Mounting brackets for condition and security. (Card 30–11)									X						X
52.	SM3000 Elevator Servo System - Elevator Servo	Elevator servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–02)				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
52.a.	SM3000 Elevator Servo System - Elevator Servo	Condition and security of mounting. (Card 11–22)				X	X	X	X	X	X	X	X	X	X	X	X
52.b.	SM3000 Elevator Servo System - Electrical Wiring and Connections	Wiring and connectors for condition and security; bonding for security. Clean as required. (Card 11–11)				X	X	X	X	X	X	X	X	X	X	X	X
52.c.	SM3000 Elevator Servo System - Elevator Servo	Check bridle cable tensions and verify no slippage of clamps has occurred. (Card 18–33)					X		X		X		X		X		X
52.d.	SM3000 Elevator Servo System - Elevator Servo	Inspect grounding of unit wiring bundle shield braid to airframe structure (<7.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 18–34a)					X		X		X		X		X		X
52.e.	SM3000 Elevator Servo System - Elevator Servo	Inspect bonding of the mating surfaces between the servo mount and the airframe structure (<2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 18–34b)					X		X		X		X		X		X
52.f.	SM3000 Elevator Servo System - Elevator Servo	Mounting brackets for condition and security. (Card 32–19)									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
53.	SM3000 Rudder Servo System - Rudder Servo	Rudder servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–01)				X	X	X	X	X	X	X	X	X	X	X	X
53.a.	SM3000 Rudder Servo System - Rudder Servo	Condition and security of mounting. (Card 11–21)				X	X	X	X	X	X	X	X	X	X	X	X
53.b.	SM3000 Rudder Servo System - Electrical Wiring and Connections	Wiring and connectors for condition and security; bonding for security. Clean as required. (Card 11–11)				X	X	X	X	X	X	X	X	X	X	X	X
53.c.	SM3000 Rudder Servo System - Rudder Servo	Check bridle cable tensions and verify no slippage of clamps has occurred. (Card 18–35)					X		X		X		X		X		X
53.d	SM3000 Rudder Servo System - Rudder Servo	Inspect grounding of unit wiring bundle shield braid to airframe structure (<7.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 18–36a)					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
53.e.	SM3000 Rudder Servo System - Rudder Servo	Inspect bonding of the mating surfaces between the servo mount and airframe structure (<2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Cards 18–36b)					X		X		X		X		X		X
53.f.	SM3000 Rudder Servo System - Rudder Servo	Mounting brackets for condition and security. (Card 32–17)									X						X
54.	KS 272A Pitch Trim Servo System - Pitch Trim Servo	Pitch Trim servo cable for fraying, kinks, flattening, proper attachment and security; turnbuckles for security, freedom of operation. Clamps for security and no evidence of movement on main flight control cable. (Card 11–05)				X	X	X	X	X	X	X	X	X	X	X	X
54.a.	KS 272A Pitch Trim Servo System - Pitch Trim Servo	Condition and security of mounting. (Card 11–06)				X	X	X	X	X	X	X	X	X	X	X	X
54.b.	KS 272A Pitch Trim Servo System - Electrical Wiring and Connections	Wiring and connectors for condition and security; bonding for security. Clean as required. (Card 11–11)				X	X	X	X	X	X	X	X	X	X	X	X
54.c.	KS 272A Pitch Trim Servo System	Operational test. (Power on). (Card FUN–C15)				X	X	X	X	X	X	X	X	X	X	X	X
54.d.	KS 272A Pitch Trim Servo System - Pitch Trim Switch	Security and clean as required. (Card 11–24)				X	X	X	X	X	X	X	X	X	X	X	X

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	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
54.e.	KS 272A Pitch Trim Servo System - Pitch Trim Capstan	Bench Test. (Card CT-B-B2)					X		X		X		X		X		X
54.f.	KS 272A Pitch Trim Servo System - Pitch Trim Servo	Inspect grounding of unit wiring bundle shield braid to airframe structure (<20 milliohms). **Note HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 18–37a)					X		X		X		X		X		X
54.g.	KS 272A Pitch Trim Servo System - Pitch Trim Servo	Inspect bonding of the mating surfaces between the servo mount and airframe structure (<2.5 milliohms). **Note HIRF/IEL/DEL inspection. Refer to inspection requirements, Page 7, Para 12 for details.** (Card 18–37b)					X		X		X		X		X		X
54.h.	KS 272A Pitch Trim Servo System - Pitch Trim Servo	Check bridle cable tensions and verify no slippage of clamps has occurred. (Card 18–38)					X		X		X		X		X		X
54.i.	KS 272A Pitch Trim Servo System - Pitch Trim Servo	Mounting brackets for condition and security. (Card 32–18)									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
Chapter 23 –Communications																	
1.	Audio System																
1.a.	Audio System - Flight Compartment Control Unit and Power Panels	Condition and security of mounting. (Card 09–08)				X	X	X	X	X	X	X	X	X	X	X	X
1.b.	Audio System - Flight Compartment Speakers and Speaker Panel Assembly	Condition and security. (Card 09–08)				X	X	X	X	X	X	X	X	X	X	X	X
1.c.	Audio System - Flight Compartment Pilot and Co-Pilot Head Sets	Condition and security. (Card 02–03)			X												
1.d.	Audio System - Passenger Address System (Pre Mod 6/2028)	Condition and security of mounting; microphone for condition; ceiling speakers for condition and security. (Card 11–12)				X	X	X	X	X	X	X	X	X	X	X	X
1.e.	Audio System (Pre Mod 6/2028)	Operational test of interphone and audio integrating systems. (Card FUN–B4)			X												
VHF and VHF Standby:																	
2.	VHF and VHF Standby - Antennas (Pre Mod 6/2003)	Condition and security of mounting and adjacent structure, connections for security; fiberglass cover for cracks and deterioration; wire whip(s) for bending or misalignment. (Card 10–04)				X	X	X	X	X	X	X	X	X	X	X	X
2.a.	Antennas - Control Units (Pre Mod SOO 6215) (Pre Mod 6/2049)	Condition and security of mounting. (Card 29–07)									X						X

PART 1 BASIC INSPECTION - 23

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
2.b.	Antennas - VHF/FM Unit	Condition and security of mounting; cables for condition and connector for security. (Card 23–14g)						X			X			X			X
2.c.(1)	Antennas - VHF Upper Aft Antenna (Mod 6/2003)	Condition and security; control and indications for condition; wiring and connectors for security. Clean as required. (Card 10–4a)				X	X	X	X	X	X	X	X	X	X	X	X
2.c.(2)	Antennas - VHF Upper Aft Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19f)					X		X		X		X		X		X
2.d.(1)	Antennas - VHF Fwd Antenna (Mod 6/2003)	Condition and security; control and indications for condition; wiring and connectors for security. Clean as required. (Card 10–4Bb)				X	X	X	X	X	X	X	X	X	X	X	X
2.d.(2)	Antennas - VHF Fwd Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19g)					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
2.e.(1)	Antennas - VHF Lower Aft Antenna (Mod SOO 6231) (Mod 6/2003)	Condition and security; control and indications for condition; wiring and connectors for security. Clean as required. (Card 10–4c)				X	X	X	X	X	X	X	X	X	X	X	X
2.e.(2)	Antennas - VHF Lower Aft Antenna (Mod SOO 6231) (Mod 6/2003)	Inspect bonding of the mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19h)					X		X		X		X		X		X
2.f.(1)	Antennas - VHF FM Antenna (Mod SOO 6296)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 10–4D)				X	X	X	X	X	X	X	X	X	X	X	X
2.f.(2)	Antennas - VHF FM Antenna (Mod SOO 6296)	Inspect bonding of the mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19k)					X		X		X		X		X		X

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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
3.	HF System																
3.a.	HF System - Antennas (Pre Mod SOO 6215) (Pre Mod 6/2003)	Condition, masts for cracks and security; wire for proper tension and loose connections; cable covering for cracks and deterioration; tension unit at vertical stabilizer tip for cracks, corrosion and security. Lead-in sleeves for cracks and security. Insulators for condition; connections for security. Clean as required. (Cards 10–02, 10–03)				X	X	X	X	X	X	X	X	X	X	X	X
3.b.	HF System -Transceivers /Control Units (Pre Mod SOO 6215) (Pre Mod 6/2049)	Condition and security of mounting. (Card 29–07)									X						X
3.c.	HF System - Antenna Coupler (Pre Mod SOO 6215) (Pre Mod 6/2049)	Connections for security and mounting for security. Clean as required. (Card 18–15)					X		X		X		X		X		X
3.d.	HF System - HF Power Unit (Pre Mod SOO 6215) (Pre Mod 6/2049)	Condition and security of mounting, cables for condition and connectors for security. (Card 18–12a)					X		X		X		X		X		X
3.e.(1)	HF System - HF Control Head (PS440) (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30a)					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
3.e.(2)	HF System - HF Control Head (PS440) (Mod SOO 6215) (Mod 6/2049)	Inspect grounding of wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–30b)					X		X		X		X		X		X
3.f.(1)	HF System - HF Receiver/Exciter (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30c)					X		X		X		X		X		X
3.f.(2)	HF System - HF Receiver/Exciter (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–30d)					X		X		X		X		X		X
3.g.(1)	HF System - HF Receiver Amplifier (KPA 1052) (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30e)					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
3.g.(2)	HF System - HF Receiver Amplifier (KPA 1052) (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–30f)					X		X		X		X		X		X
3.h.(1)	HF System - HF Coupler (KAC 1052) (Mod SOO 6215) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–30g)					X		X		X		X		X		X
3.h.(2)	HF System - HF Coupler (KAC 1052) (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–30h)					X		X		X		X		X		X
3.h.(3)	HF System - HF Coupler (KAC 1052) (Mod SOO 6215) (Mod 6/2049)	Pressure test coupler. **Note** **Refer to Maintenance Manual.** (Cards 18–32, CAL 18–32)				**Every Year**											
3.i.(1)	HF System - HF Antenna (Mod SOO 6215) (Mod 6/2049)	Condition, mast for cracks and security; wire for proper tension and loose connections; cable covering for cracks and deterioration; tension unit at vertical stabilizer tip for cracks. (Cards 10–02, 10–03)				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
3.i.(2)	HF System - HF Antenna (Mod SOO 6215) (Mod 6/2049)	Inspect bonding of the antenna bonding strap from antenna coupler to antenna base.(< 3 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–30i)					X		X		X		X		X		X
4.	Communication Installation																
4.a.	Communication Installation - Cables, Connectors and Terminal Blocks	Cables for condition; connections for security; bonding wire for condition and security. Clean as required. (Card 29–08)									X						X
4.b.	Communication Installation - Equipment Shock Mounts	Cracks, corrosion and security. Vibration isolators for deterioration and condition; proper bonding wire for condition and security. (Card 22–05)						X			X			X			X
4.c.	Communication Installation - Static Discharge Wicks	Condition and security (minimum length one inch wick extension from sheath). (Cards 12–03, 13–01, 14–01)				X	X	X	X	X	X	X	X	X	X	X	X
4.d.	Communication Installation - Lightning Protection	Rod for condition and security. (Card 01–10)			X												
4.e.	Communication Installation - All Systems	Operational Test. (Card FUN–B2)			X												

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	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
5.(1)	Pilot/Co-Pilot Audio Panel (KMA 29) (Mod SOO 6209) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Cards 16–20a, 16–20c)					X		X		X		X		X		X
5.(2)	Pilot/Co-Pilot Audio Panel (KMA 29) (Mod SOO 6209) (Mod 6/2049)	Inspect grounding of wiring bundle shield to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Cards 16–20b, 16–20d)					X		X		X		X		X		X
5.(3)	Pilot/Co-Pilot Audio Panel (KMA 29) (Mod SOO 6209) (Mod 6/2049)	Audio panel emergency switch operational test. (Card 16–20e)					X		X		X		X		X		X
6.(1)	Audio System Isolation Amplifier (NAT 247) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–26b)					X		X		X		X		X		X
6.(2)	Audio System Isolation Amplifier (NAT 247) (Mod 6/2049)	Inspect bonding of the mating surfaces between the unit and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–26a)					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
7.	MMDR																
7.a.(1)	MMDR #1 (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–25a)					X		X		X		X		X		X
7.a.(2)	MMDR #1 (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–25b)					X		X		X		X		X		X
7.b.(1)	MMDR #2 (Mod SOO 6209) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–25c)					X		X		X		X		X		X
7.b.(2)	MMDR #2 (Mod SOO 6209) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–25d)					X		X		X		X		X		X
8.	Emergency Frequency Com Tuning Switch	Operational Test. (Card 15–27)					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
9.(1)	GPS/IRIDIUM/WiFi Antenna (SOO 6288) (SOO 6298)	Condition, security and corrosion; condition of external fillet seal; condition of coaxial cables and connectors and security of attachment of coaxial cables. (Card 10–9)				X	X	X	X	X	X	X	X	X	X	X	X
9.(2)	GPS/IRIDIUM/WiFi Antenna (SOO 6288) (SOO 6298)	Inspect bonding of mating surfaces between the antenna baseplate and airframe (<3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19l)					X		X		X		X		X		X
10.(1)	SkyNode SAT COM Transceiver (SOO 6298)	Condition, security and corrosion; electrical wires and connectors for condition and security of attachment. (Card 15–28)					X		X		X		X		X		X
10.(2)	SkyNode SAT COM Transceiver (SOO 6298)	Function test. (Power on). (Card FUN–D7)					X		X		X		X		X		X
11.	SAT COM Panel/Dialer (RC6000/A) (SOO 6298)	Condition, security and corrosion; electrical wires and connectors for condition and security of attachment. (Card 16–18k)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
Chapter 24 – Electrical Power																	
1.(1)	Battery (Main) **Airworthiness Directive T.C. N-AME_078/22 F.A.A. 72-19-04**	Condition and security; cables for security. Battery compartment for spillage and corrosion. Nickel cadmium battery for condition (S/B 6/301) and temperature sensor probes for security. Note **Refer to Service Bulletin and Airworthiness Directive if applicable.** (Card 04–06)			X												
1.(1) a.	Battery (Main) (SOO 6371)	Condition and security; cables for security. Area around battery for spillage and corrosion. (Card 01–05)			X												
1.(2)	Battery (Main) **Airworthiness Directive T.C. N-AME_078/22 F.A.A. 72-19-04**	Check status of charge (measured discharge). Deep cycle as required. (Card CT–A–B1)		X													
2.	Vent System	Vent jar for condition and security, pad correctly saturated, hoses for condition and connections for security. (Card 04–06)			X												
3.(1)	Battery (Auxiliary) (Pre Mod 6/2028)	Condition and security; cables for security, support structure for condition and security. (Card 04–07)			X												

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SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS												
				A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
3.(2)	Battery (Auxiliary) (Pre Mod 6/2028)	Check status of charge (measured discharge). Deep cycle as required. (Card CT–A–B2)		X													
3.(3)	Avionics Start Battery (Mod 6/2315)	Condition and security; cables for security, support structure for condition and security. (Card 01–11)			X												
3.(4)	Avionics Start Battery (Mod 6/2315)	Capacity test. Replace as required. (Card CT–B–B3)					X		X		X		X		X		X
3.(5)	Avionics Start Battery - Diodes CR141 thru CR146 (Mod 6/2315)	Check diodes. Replace as required. (Card 09–12A)				X	X	X	X	X	X	X	X	X	X	X	X
4.(1)	Static Inverters (PC 15 or PC 15C models) (Pre Mod 6/2028) **Airworthiness Directive T.C. CF-71-12 T.C. CF-75-06 or F.A.A. 75-24-15 F.A.A. 71-21-07**	Condition and security; mounting installation for condition and security. **Note** **Refer to Service Bulletin No. 6/263 and A.D. if applicable for Pre Mod 6/1388 aircraft, when operating with Filetronics type PC15 and PC15A models.** (Card 11–08)				X	X	X	X	X	X	X	X	X	X	X	X
4.(2)	Static Inverters (PC 15 or PC 15C models) (Pre Mod 6/2028)	Operational test. (Card FUN–G1)									X						X

	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
5.	Power Distribution and Generator Control Box	Box for condition and security; terminals, connectors and relays for condition and security, signs of overheat, arcing, torque of large terminal posts. Clean as required. Current Limiters (Mod 6/1651) for condition and serviceability. (Cards 11–23, CAL 11–23)									X						
							And Annually										
5.a.(1)	Power Distribution and Generator Control Box - Reverse Current Relay (Pre Mod 6/1585) **Airworthiness Directive T.C. CF-75-11 F.A.A. 75-26-07 T.C. CF-77-08 F.A.A. 78-01-05**	Main relay contacts for condition. **Note** **Refer to Service Bulletin No. 6/338 and 6/353, and A.D., if applicable.** (Card CT–C–B1)					Every 1200 hours										
5.a.(2)	Power Distribution and Generator Control Box - Reverse Current Relay (Pre Mod 6/1585) **Airworthiness Directive T.C. CF-75-11 F.A.A. 75-26-07 T.C. CF-77-08 F.A.A. 78-01-05**	Remove for bench test and install serviceable unit. **Note** **Refer to Service Bulletin No. 6/338, 6/353 and A.D., if applicable.** (Card CT–F–B3)					Every 2400 hours										
5.b.(1)	Power Distribution and Generator Control Box - Reverse Current Relay (Post Mod 6/1585)	Main relay contacts for condition. **Note** **Refer to Maintenance Manual** (Card CT–D–B4)					Every 1500 hours										

PART 1 BASIC INSPECTION - 24

	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
5.b.(2)	Power Distribution and Generator Control Box - Reverse Current Relay (Post Mod 6/1585)	Remove for bench test and install serviceable unit. **Note** **Refer to Maintenance Manual** (Card CT–G–B1)				**Every 3000 hours**											
5.c.	Power Distribution and Generator Control Box - Reverse Current Circuit Breaker (Pre Mod 6/1651)	Functional test (millivolt drop test). **Note** **This test also to be done after circuit breaker has been tripped by a fault.** (Card CT–D–B2)						X			X			X			X
6.	Main Distribution Box	Box for condition and security; terminals, connectors and relays for condition and security. Clean as required. (Card 32–12)									X						X
7.(1)	Overvoltage Relay (Pre Mod 6/1590 or 6/1636)	Condition and security. Clean as required. (Card 32–13)									X						X
7.(2)	Overvoltage Relay (Pre Mod 6/1590 or 6/1636)	Functional test. (Card CT–D–B3)						X			X			X			X
8.	Generator Field Control Relay (Mod 6/1590 and 6/1636)	Condition and security. Clean as required. (Card 32–11)									X						X
9.(1)	Circuit Breaker Panel **Airworthiness Directive F.A.A. 70-22-04**	Condition and security. **Note** **Refer to A.D. if applicable.** (Cards 25–07, 23–09)						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
9.(2)	Circuit Breaker Panel **Airworthiness Directive F.A.A. 70-22-04**	Pull out panels and check wiring connections for security. Clean as required. (Card 32–12)									X						X
10.(1)	Voltmeter (Pre Mod 6/2028)	Condition and security. (Card 23–07j)						X			X			X			X
10.(2)	Voltmeter (Pre Mod 6/2028)	Functional test (calibration). (Card CT–J–B6)															X
11.(1)	Loadmeter (Pre Mod 6/2028)	Condition and security. (Card 23–07j)						X			X			X			X
11.(2)	Loadmeter (Pre Mod 6/2028)	Functional test (calibration). (Card CT–J–B7)															X
12.	External Power Receptacle	Condition and security. (Card 17–14)					X		X		X		X		X		X
12.(1)	External Power Receptacle (SOO 6371)	Condition and security. Clean as required. (Card 15–32)					X		X		X		X		X		X
13.	Grounding and Bonding	Condition and security. Clean as required. (Cards 15–02, 18–17)					X		X		X		X		X		X
14.	Voltage Regulators	Condition and security. Mod 6/1590 mounting installation for condition. Pre Mod 6/1590 mounting installation for condition and security. Clean as required. (Card 18–19)					X		X		X		X		X		X
15.	Wiring and Connectors	Condition and security. Clean as required. (Cards 22–08, 22–16, 23–08, 26–03)						X			X			X			X

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	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
16.	External Power and Battery Relays	Condition and security. Bus bars for condition. (Card 25–16)						X			X			X			X
16.(1)	External Power and Battery Relays (SOO 6371)	Condition and security. Bus bars for condition. Clean as required. (Card 22–24)						X			X			X			X
17.	Electrical Wiring (All aircraft systems when visible and accessible)	Wiring for condition and connectors for security. (Card 09–12)				X	X	X	X	X	X	X	X	X	X	X	X
18.	Diodes CR108 & CR109 (Post Mod 6/2028)	Function test diodes, in accordance with PSM 1-64-2 Chapter 24-30-00. (Card FUN–H1)															X
19.	Power Feeder Cables (SOO 6371)	Condition and security of cables at STA 111 cabin floor cut-out, in accordance with PSM 1-64-2 Chapter 24-30-00. (Card 11–27)				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
Chapter 25 – Equipment/Furnishings																	
1.	Pilot's and Co-Pilot's Seats	Seat structure and seat pan for condition and security. Freedom of movement. (Card 09–01a)				X	X	X	X	X	X	X	X	X	X	X	X
1.a.	Pilot's and Co-Pilot's Seats - Seat Rails	Condition and security of stops. (Card 09–01b)				X	X	X	X	X	X	X	X	X	X	X	X
1.b.	Pilot's and Co-Pilot's Seats - Shock Cords	Condition and security. (Card 09–01c)				X	X	X	X	X	X	X	X	X	X	X	X
1.c.	Pilot's and Co-Pilot's Seats - Safety Harness	Condition and security. Quick release for proper operation. Clean as required. (Card 09–01d)				X	X	X	X	X	X	X	X	X	X	X	X
1.d.	Pilot's and Co-Pilot's Seats - Inertia Reel	Condition and security. Proper operation. (Card 09–01e)				X	X	X	X	X	X	X	X	X	X	X	X
1.e.	Portable ELT Mounting Provision (SOO 6270)	Condition and security. Proper operation and retention. Install safety wire as required. (Card 09–01f)				X	X	X	X	X	X	X	X	X	X	X	X
2.	Toilet Unit Assembly (Cabin area)	Cabin toilet unit and surrounding structure for condition and security, evidence of corrosion. (Card 25–02)						X			X			X			X
2.a.	Toilet Unit Assembly (Rear baggage compartment)	Cabin toilet unit and surrounding structure for condition and security, evidence of corrosion. (Card 25–02)						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
3.	First Aid Kit	Required content, proper stowage and security. (Card 25–09)						X			X			X			X
4.	Cabin Seat Rails **Airworthiness Directive** **T.C. CF-73-12** **F.A.A. 74-08-11**	Floor and side rails for condition and security. **Note** **Refer to Service Bulletin No. 6/302 and A.D., if applicable.** (Card 11–14)				X	X	X	X	X	X	X	X	X	X	X	X
5.	Cabin Seats	Seats and seat belts for condition and security; seat belt buckles for proper operation; utility seat stowage for proper operation and retention; under seat baggage restraint bars for condition and security if installed. (Card RA–INT–05)	X														
5.a.	Utility Seats (Pre Mod 6/1828) **Airworthiness Directive** **T.C. CF-83-25** **F.A.A. 84-07-07** **F.A.A. 87-03-12**	Condition and security of seat leg into floor rail. **Note** **Refer to Service Bulletin No. 6/447 and A.D., if applicable.** **(Repetitive inspections every 100 hours).** (Card RA–INT–07)	X														
5.b.	Cargo Nets (SOO 6274) (SOO 6389)	Cargo nets for condition and security, if installed. (Card RA–INT–05A)	X														
6.	Camera Equipment (SOO 6045)	Operator's seat and equipment for damage and security. (Card 25–10)						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
7.	Emergency Locator Transmitter (ELT) **Airworthiness Directive** **T.C. CF-78-01** **T.C. CF-81-29** **F.A.A. 74-20-10** **F.A.A. 79-05-02** **F.A.A. 79-18-05**	Condition. Replace or recharge batteries when 50% of battery useful life has expired. **Note** **Refer to date marking on equipment and specific manufacturer's instructions and Local Regulatory Authority approval.** (Card SP2–H1)																
7.a.(1)	Emergency Locator Transmitter (ELT) (Mod 6/2049)	Inspect bonding of the mating surfaces between the ELT backshell and airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–24a)					X		X		X		X		X		X
7.a.(2)	Emergency Locator Transmitter (ELT) (Mod 6/2049)	Inspect bonding of the mating surfaces between the ELT antenna and airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–24b)					X		X		X		X		X		X
8.	Slimline Commissary (SOO 6175)	Condition and security of attachment. (Card 11–15)				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
9.	Life Jackets	Remove, inspect and install serviceable life jackets. **Note** **Refer to manufacturer's instructions and Local Regulatory Authority approval.** (Card SP2–H2)															
10.	Life Rafts	Remove, inspect and install serviceable life raft. **Note** **Refer to manufacturer's instructions and Local Regulatory Authority approval.** (Card SP2–H2)															
11.	Portable Fire Extinguishers	Condition and evidence of leakage; security in stowed position. **Note** **Refer to manufacturer's instructions and Local Regulatory Authority approval.** (Card RA–INT–06)	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
11.a.	Portable Fire Extinguishers	Remove and weigh Model 28H water/glycol and Model 28H and 384 (BCF) hand fire extinguishers. Install serviceable unit every 3 months. **Note** **Refer to Maintenance Manual. On BCF models check that nozzle cap is not seized. Partly or discharged containers must be replaced.** (Card SP2–J1)				Every 3 months											
11.b.	Portable Fire Extinguishers	Remove and weigh Model 2–10 Halon 1211 (BCF) or H3R Aviation 1211 Model A1600 hand fire extinguisher. Refer to Maintenance Manual (Partly full or discharged containers must be replaced). Install serviceable unit every 6 months. **Note** **When check weighing make sure weight of extinguisher is within 4 oz's of weight stamped on label.** (Card SP2–J2)				Every 6 months											
11.c.	Portable Fire Extinguishers	Discharge, refill and pressurize water/glycol Model 28H hand fire extinguisher every 2 years. Refer to Maintenance Manual. Install Serviceable unit. (Card SP2–J4)				Every 2 years											

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	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
11.d.	Portable Fire Extinguishers	Remove and overhaul BCF Model 28H (BCF) hand fire extinguisher every 6000 flight hours or 5 years, whichever occurs first. (Card SP2–J7)				Every 6000 flight hours or 5 years, whichever occurs first											
12.a.	14 Volt Outlet (Mod 6/2028) (SOO 6272) (SOO 6281) (SOO 6282)	Condition and security; bonding wires for condition and security of attachment. (Card 22–23a)						X			X			X			X
12.b.	28 Volt Outlet (SOO 6283)	Condition and security; bonding wires for condition and security of attachment. (Card 22–23b)						X			X			X			X
13.	Parachute Anchor Line Install (SOO 6291)	Inspect Anchor Line for security of attachment to end fittings and aircraft structure, and for corrosion, wear and broken wire. Replace if damaged. (Card 4–9)			X												
14.	Stretcher Rack Installation (SOO 6208)	Stretcher frame for condition and corrosion; stretcher fabric, seams and patient restraint webbings for condition, damage and security; zippers and restraint buckles for damage, corrosion and proper operation. Support assemblies for general wear, damage and corrosion; all welds for cracks; seat track fittings, keeper hinges, and pull action latches for security and proper operation. (Card RA–INT–10)	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
15.	Axe and Axe Stowage - Flight Compartment (SOO 6376)	Security of stowed axe. (Card RA–INT–11)	X														
15.a.	Axe and Axe Stowage - Flight Compartment (SOO 6376)	Axe handle retention strap and elastic webbing for damage or deterioration (loss of elastic properties). Replace on condition. (Card 09–20a)					X		X		X		X		X		X
15.b.	Axe and Axe Stowage - Flight Compartment (SOO 6376)	Condition and security of axe stowage structure. Condition and security of axe cutting edge and pike to axe handle. (Card 09–20b)						X			X			X			X

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SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
Chapter 26 – Fire Protection																	
1.	Fire Detection																
1.a.(1)	Detecting Thermal Units	Condition and security. (Cards 38–06, 39–06)			X												
1.a.(2)	Detecting Thermal Units	Remove for bench test and install serviceable unit. (Card CT–J–B1)															X
2.	Engine Fire Extinguishing	Check continuity of engine fire extinguisher system and test squib assembly in accordance with Maintenance Manual every 6 months. (Card SP2–J3)					**Every Six Months**										
2.a.	Extinguisher Bottle	Condition and security including correct pressure. (Cards 06–01, 07–01)			X												
2.b.	System Pipes and Electrical Wiring	Pipes for condition and security; electrical wiring for condition and connectors for security. (Cards 06–01, 07–01)			X												
2.c.	Extinguisher Bottle	Remove for hydrostatic test every 5 years or 6000 flight hours, whichever occurs first, and install serviceable unit. (Card SP2–J6)					**Every 6000 flight hours or five years whichever occurs first**										X

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	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
2.d.	Extinguisher Bottle Squib	Remove and replace. Note **The combined shelf life and service life of the squib cartridge is six years from date of manufacture. Maximum service life is four years.** (Card SP2–J5)				Every four years											
2.e.	Indicator Discs	Evidence of extinguisher discharge. (Card RA–EXT–03)	X														
3.	Engine Wiring and Connectors	Wiring and connections for condition and security; clips for security. Clean as required. (Card 44–08, 45–08)						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
Chapter 27 – Flight Controls																	
1.(1)	Control Column (Mod 6/1433)	Condition, security, full and freedom of movement, brackets for condition and security. (Card 16–08)					X		X		X		X		X		X
1.(2)	Control Column (Pre Mod 6/1433) **Airworthiness Directive T.C. CF-72-06 F.A.A. 69-05-01 F.A.A. 69-08-12**	Condition, security, full and freedom of movement, brackets for condition and security. Examine surface around torque tube to column welds for corrosion and cracks. **Note** **Refer to Service Bulletin No.'s 6/180, 6/181, and A.D. CF-72-06, 69-05-01 AND 69-08-12, if applicable, and to next flight if aircraft is subjected to tail high velocity gust winds.** (Card SP2–C1)					Every 100 hours										
1.a.	Control Column - Centering Strut	Condition, proper operation and security. (Card 16–08)					X		X		X		X		X		X
1.b.	Control Column - Chain and Sprockets	Remove covers and check for evidence of binding; chain alignment with control wheel sprockets; sprockets for condition and security; sprocket teeth for wear. Lubricate. Install covers. (Card 16–08)					X		X		X		X		X		X
1.c.	Control Column - Column Floor Boot	Condition and security. (Card 09–03)					X	X	X	X	X	X	X	X	X	X	X

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	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
2.	Rudder Torque Tube and Quadrants	Condition and security; linkage and push rod installations for security. (Card 15–10)					X		X		X		X		X		X
2.a.	Rudder Torque Tube and Quadrants - Gust Lock Control **Airworthiness Directive T.C. CF-90-01**	Condition and proper operation; brackets and connecting rods for cracks, buckling and security. **Note Refer to Service Bulletin No. 6/508 and A.D., if applicable.** (Card 15–11)					X		X		X		X		X		X
						or Every 2 years whichever occurs first											
3.(1)	Rudder Pedal Installation	Support assembly, push rods levers and linkages for condition and security; pedals for full and free movement, condition and security. (Card 16–10)					X		X		X		X		X		X
3.(2)	Rudder Pedal Installation	Remove clevis pin and upper bolts from rudder pedal push rod ends and wheel brake rod ends; inspect pins, bearing and rod ends for wear. Install clevis pins and upper bolts. (Card 30–01)									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
4.(1)	Rudder, Elevator and Aileron Control Cables	Cables (from beneath flight compartment floor to wings and empennage) for fraying corrosion, flattening, proper attachment and security; pulleys for condition and freedom of movement; pulley brackets and guides for condition and security; turnbuckles for security. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. **Note 1. Refer to Service Bulletin No. 6/523, if applicable.** **Note 2. Ensure adequate clearance with adjacent electrical conduits, structure and other systems, making allowance for vibratory motion of cable when under tension.** **Note 3. In the event of early or abnormal cable wear at pulley(s), replace the worn cable(s) and the corresponding pulley(s).** (Cards 15–15, 18–06, 19–01, 20–11, 21–10, CAL 18–6)					X		X		X		X		X		X
						or Every 12 months whichever occurs first.											
4.(2)	Rudder, Elevator and Aileron Control Cables	Replace control cables. (Landplanes operated outside a marine or saline environment only) (Card SP2–C9)				**Every 60 months**											

SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS												
			A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
4.(3) Rudder, Elevator and Aileron Control Cables	Replace elevator and rudder control cables. (Floatplanes and/or landplanes operated in a marine or saline environment) **Note Aileron control cables are 60 months.** (Card SP1–E5)						Every 12 months									

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
4.(4)	Rudder, Elevator and Aileron Control Cables	Check cable tension. **Note** 1. Inspect cables for fraying, corrosion, flattening, security and deterioration of protective coatings. Special attention on either side of pulley clusters at Stations 267.00, 332.00 and 376.00 for corrosion. Apply external lubricant to carbon steel non-jacketed cables in accordance with Maintenance Manual. Do not lubricate stainless steel or jacketed cables. **Note** 2. It is important to operate controls through full range during inspection so that cables move away from pulleys and all portions of cables are exposed for inspection. **Note** 3. Remove all access panels that are required to get free and clear view of area being inspected. Install all access panels. (Cards 18–22, CAL 18–22)					X		X		X		X		X		X
							or Every 12 months whichever occurs first.										

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	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
4.(4)	Rudder, Elevator and Aileron Control Cables	Note **4. Stainless Steel control cables are available in lieu of Carbon Steel Cables. Refer to Maintenance Manual and Structural Repair Manual and Structural Repair Manual for specific tasks when using stainless steel in lieu of carbon steel cables.**															
5.(1)	Rudder and Elevator Trim Tab Controls (Flight Compartment to Empennage)	Cables for full and free movement; fraying, kinks, flattening, proper attachment and security; turnbuckles for security, pulleys for freedom of operation; pulley brackets for condition and security. Detailed visual inspection of cables terminals for signs of corrosion pits or cracks. (Cards 16–12, 18–18, 19–01)					X		X		X		X		X		X
5.(2)	Rudder and Elevator Trim Tab Controls (Flight Compartment to Empennage)	Check cable tension. (Cards 18–22, CAL 18–22)					X		X		X		X		X		X
							or Every 12 months										
5.a.	Trim Pulley Brackets and Cables	Trim cables for condition, fraying, corrosion, flattening, proper attachment and security. Nylon cable jacket for condition, cracking and necking down in diameter. Pulleys (bulkhead and elevator torque tube) for condition and freedom of movement, pulley brackets for condition and security. Lubricate pulley bracket bushings at elevator torque tube. (Card 12–02)				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
6.	Rudder and Elevator Trim Tab Drive Mechanisms																
6.a.	Rudder and Elevator Trim Tab Drive Mechanisms - Screw Jacks	Condition of cable drum grooves, smooth operation and security. Lubricate. (Card 12–01)				X	X	X	X	X	X	X	X	X	X	X	X
6.b.	Rudder and Elevator Trim Tab Drive Mechanisms - Pushrod	Condition and security of attachment. (Card 19–05(b))					X		X		X		X		X		X
7.	Rudder Gear Tab Mechanism																
7.a.(1)	Rudder Gear Tab Mechanism - Rudder Gearbox	Condition and security of mounting plate installation and cover; tab pushrod for security and evidence of irregular operation during rudder movement. (Card 19–05(a))					X		X		X		X		X		X
7.a.(2)	Rudder Gear Tab Mechanism - Rudder Gearbox	Gearbox for play. (Card FUN–G8)									X						X
7.b.	Rudder Gear Tab Mechanism - Gearbox Linkage	Condition and security. (Card 19–05(b))					X		X		X		X		X		X
8.	Aileron System																
8.a.	Aileron Trim Actuator Unit	Condition, smooth operation and security; electrical wiring and connections for security (Power On). Clean as required. (Card 20–04)					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
8.b.	Aileron Trim - Linkages	Condition and security. (Card 20–04)					X		X		X		X		X		X
8.c.	Aileron Trim - Position Transmitter	Security of mounting and brackets; wiring and connections for security. Clean as required. (Card 20–04)					X		X		X		X		X		X
8.d.(1)	Aileron Trim - Position Indicator (Pre Mod 6/2047)	Condition and security; wiring and connectors for security. (Card 16–05)					X		X		X		X		X		X
8.d.(2)	Aileron Trim - Position Indicator (Pre Mod 6/2047)	Function test (Power On). (Card FUN–C10)				X	X	X	X	X	X	X	X	X	X	X	X
8.e.	Aileron Trim - Position Indication (Mod 6/2047)	Display indication function test, neutral and full range of travel. (Card FUN–C12)				X	X	X	X	X	X	X	X	X	X	X	X
8.f.	Aileron Position (Mod 6/2047)	Voltage check. (Card 20–20)					X		X		X		X		X		X
8.g.	Aileron Position Transmitter (Mod 6/2047)	Condition and security; cables for security; support structure for condition and security. (Card 20–10)					X		X		X		X		X		X
9.	Flap System																
9.a.(1)	Flap System - Flap Actuator	Condition and security of mounting and leakage. (Card 04–01)			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
9.a.(2)	Flap System - Flap Actuator	Remove for bench (pressure) test. Install serviceable unit. (Card CT–J–B4)															X
9.b.(1)	Flap System - Selector Valve	Condition and security of mounting and leakage; selector pulleys properly secured to spindle. (Card 04–01)			X												
9.b.(2)	Flap System - Selector Valve	Remove for bench (pressure) test. Install serviceable unit. (Card CT–J–B5)															X
9.c.(1)	Flap System - Flap Selector and Follow-up Cables	Cables (flight compartment to fuselage flap actuator drive mechanism) for condition, corrosion, fraying, flattening and security of attachment. Turnbuckles for security; pulleys for condition and freedom of operation. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. (Card 11–09)				X	X	X	X	X	X	X	X	X	X	X	X	X
9.c.(2)	Flap System - Flap Selector and Follow-up Cables	Check cable tension. (Cards 18–22, CAL 18–22)					X		X		X		X		X		X
							or Every 12 months										
9.d.	Flap System - Selector Lever	Condition, proper detent action movement and security. Lubricate. (Card 23–02)						X			X			X			X
9.e.	Flap System - Drip Trays	Condition and security; fluid content; remove, dry out and install pads as required. (Card 04–01)			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
9.f.	Flap System - Indicator Cable and Spring (Pre Mod 6/2023) (Flight Compartment)	Cable and spring for condition, corrosion, fraying, flattening and security of attachment; spring for condition, tension, security; indicator for smooth operation; dracon cable cord at window frame small pulley locations for conditions. (Card 16–14)					X		X		X		X		X		X
9.g.	Flap System - Position Transmitter (Mod 6/2047)	Security of mounting and brackets; wiring and connections for security. Clean as required. (Card 20–10)					X		X		X		X		X		X
9.h.	Flap System - Position Indication (Mod 6/2047)	Display indication function test, neutral and full range of travel. (Card FUN–C12)				X	X	X	X	X	X	X	X	X	X	X	X
10.	Flap/Elevator Interconnect System																
10.a.	Flap/Elevator Interconnect System - Interconnect Ball Screw Jack	Condition, freedom of operation and security. Lubricate. (Card 11–10)				X	X	X	X	X	X	X	X	X	X	X	X
10.b.	Flap/Elevator Interconnect System - Interconnect Tab Screw Jack	Condition, freedom of operation and security. Lubricate. (Card 12–08)				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
10.c.(1)	Flap/Elevator Interconnect System - Interconnect Trim Cables	Condition, corrosion, fraying, flattening and security of attachment. Turnbuckles for security; pulleys for condition, security and freedom of operation. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. (Cards 18–03, 19–01)					X		X		X		X		X		X
10.c.(2)	Flap/Elevator Interconnect System - Interconnect Trim Cables	Check cable tension. (Cards 18–22, CAL 18–22)					X		X		X		X		X		X
							or Every 12 months										
11.	Flight Control Quadrants (Flight Compartment)	Condition, corrosion and security; bearings for condition and security. Condition of stops. Clean as required. (Card 15–09)					X		X		X		X		X		X

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	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
11.a.	Flight Control Quadrants - Elevator Quadrant (Aft Fuselage) **Airworthiness Directive** **T.C. CF-79-02** **T.C. CF-72-06** **F.A.A. 79-14-01** **F.A.A. 89-24-06**	Condition and freedom of movement; loose torque tube attach bolts, mounting bracket for condition, cracks, and security. **Note 1. Refer to Service Bulletin No. 6/379 and A.D. CF-79-02 and FAA 79-14-01.** **Note 2. Visually inspect elevator quadrant for indication of distortion every 400 flight hours (Refer to SB 6/511 and A.D.s CF-72-06 and FAA 89-24-06). Note that FAA requires repetitive inspections every 200 flight hours.** (Card 12–04) **WARNING INSPECT WITHIN 25 FLIGHT HOURS IF PARKED AIRCRAFT SUBJECTED TO GROUND WINDS WITH MEAN VELOCITY OF 35 MPH OR GREATER. MEAN WIND SPEEDS OF 35 MPH WILL GENERATE WIND GUSTS UP TO 65 MPH.**				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
11.b.	Flight Control Quadrants - Overhead Console (Flap) Quadrants (Pre Mod 6/1895) Polycarbonate/Melaine (Flight Compartment) **Airworthiness Directive T.C. CF-73-06 F.A.A. 73-19-06 F.A.A. 93-10-08**	Quadrants for condition, cracks and security; cable attachment for security; smooth movement and complete travel of operation. **Note Refer to Service Bulletin No. 6/298, 6/519 and A.D., if applicable, for crack inspection intervals.** (Card SP2–C2)					Every 100 hours											
11.c.	Flight Control Quadrants - Overhead Console (Flap) Quadrants (Mod 6/1895) Aluminum (Flight Compartment)	Quadrants for condition and security; cable attachment for security; smooth and freedom of movement. (Card 16–16)					X		X		X		X		X		X
11.d.	Flight Control Quadrants - Aileron Flight Control Cable Quadrants in Cabin Roof	Condition and security, bearings for condition, cable guides for security. Clean as required. (Card 18–07)					X		X		X		X		X		X
12.	Elevator Control Lever and Connecting Rod	Condition, full and free movement, security, attaching brackets for cracks and distortion. (Card 15–14)					X		X		X		X		X		X

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	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.	Flight Control Rods with following Fail Safe Mods 6/1703, 6/1718, 6/1721, 6/1734 and 6/1735 (2024T81 material with fail safe sleeves installed) **Airworthiness Directive T.C. CF-80-03 F.A.A. 80-13-11**	Condition, corrosion and security; bearings for corrosion, security and clean as required; draught excluder boots (where applicable) for splitting, deterioration and security. On rods with magneformed (swaged) ends pay particular attention to inspection of the swaged area for condition. Worn or tight rotating bearings must be replaced on all rods immediately. Refer to Figure 1. **Note** **Refer to Service Bulletin No. 6/390 and 6/502, and A.D. if applicable, for inspection interval.** (Card SP2–C5)				**Every 800 hours or 1 year whichever occurs first**											
13.a.	Flight Control Rods Pre Mods 6/1486, 6/1488 and 6/1489 material (2024T3 material with fail safe sleeves installed) (Pre Mods 6/1703, 6/1721, 6/1734 and 6/1735) **Airworthiness Directive T.C. CF 80-03 F.A.A. 80-13-11**	Condition, corrosion and security; bearings for corrosion, security and clean as required; draught excluder boots (where applicable) for splitting, deterioration and security. On rods with magneformed (swaged) ends pay particular attention to inspection of the swaged area for condition. Worn or tight rotating bearings must be replaced on all rods immediately. Refer to Figure 1. **Note** **Refer to Service Bulletin No. 6/390 and 6/502, and A.D. if applicable for inspection interval.** (Card SP2–C3)				**Every 400 hours or 6 months whichever occurs first**											

	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.	Flap Control Mod 6/1487 Rods with Mods 6/1710, 6/1714 (2024T81 material with sleeves) **Airworthiness Directive T.C. CF-79-22 F.A.A. 80-03-08**	Condition, corrosion and security; bearings for corrosion, security and clean as required; draught excluder boots (where applicable) for splitting, deterioration and security. On rods with magneformed (swaged) ends pay particular attention to inspection of the swaged area for condition. Worn or tight rotating bearings must be replaced on all rods immediately. Refer to Figure 1. Note **Refer to Service Bulletin No. 6/388 and 6/381, and A.D. if applicable, for inspection interval.** (Card SP2–C4)				**Every 800 hours or 1 year whichever occurs first**											

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	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.c.	Flight and Flap Control Rods to Mods 6/1781 Fuse/Wing 6/1785 Elevator 6/1791 Aileron 6/1792 Elevator 6/2109 Aileron 6/1802 Rudder 6061 material with Magneformed Fail Safe Sleeves **Airworthiness Directive T.C. CF-80-03 T.C. CF-79-22 F.A.A. 80-03-08**	Condition, corrosion and security; bearings for corrosion, security and clean as required; draught excluder boots (where applicable) for splitting, deterioration and security. On rods with magneformed (swaged) ends pay particular attention to inspection of the swaged area for condition. Worn or tight rotating bearings must be replaced on all rods immediately. Refer to Figure 1. For Post Mod 6061 material rods do not remove the paint and primer from the rod ends to carry out the visual inspection. Deterioration of the inb'd foreflap pushrod draught excluder requires replacement of the draught excluder. Worn or tight rotating bearings must be replaced on all rods immediately. **Note 1. Refer to Service Bulletin No. 6/502.** **Note 2. For aileron control rods C6CW1080–1 machined from 7075 alloy, follow same inspection intervals as for 6061 material (refer to Service Bulletin No. 6/390, Table 2).** (Card SP2–C7)				**Every 2400 hours or 2 years whichever occurs first**									
14.	Wing Root Rib/Flap Pushrod Roller Assembly (Mod 6/1707)	Condition, wear and security; proper clearance between rod surface and roller; freedom of operation. (Cards 20–14a, 21–13a)					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
14.a.	Wing Root Rib/Flap Pushrod Roller Assembly	Lubricate inside surface of spacer and bolt. (Cards 20–14b, 21–13b,CAL 20–14b, CAL 21–13b)					X Or Every 12 months whichever occurs first		X		X		X		X		X
15. 15.a.(1)	Stall Warning System Stall Light and Horn (Pre Mod 6/2028)	Stall light and horn for condition and security. (Cards 09–09, 09–10)				X	X	X	X	X	X	X	X	X	X	X	X
15.a.(2)	Stall Light and Horn (Pre Mod 6/2028)	Function test. (Power on). (Card FUN–B9)			X												
15.b.(1)	Stall Light (Mod 6/2028)	Stall light for condition and security. (Card 09–09A)				X	X	X	X	X	X	X	X	X	X	X	X
15.b.(2)	Stall Light (Mod 6/2028)	Function test. (Power on). (Card FUN-B9)			X												
15.c.(1)	Lift Detector Vanes (Wing)	Vanes for condition, free movement and security. (Card RA–EXT–05)	X														
15.c.(2)	Lift Detector Vanes (Wing)	Freedom of movement, condition, corrosion and security. Function test. (Power on). (Card FUN–B1)			X												
15.d.	Cam and Limit Switch Mechanism	(Fuselage flap drive mechanism) Cam and limit switch for condition and security. (Card 18–04)					X		X		X		X		X		X

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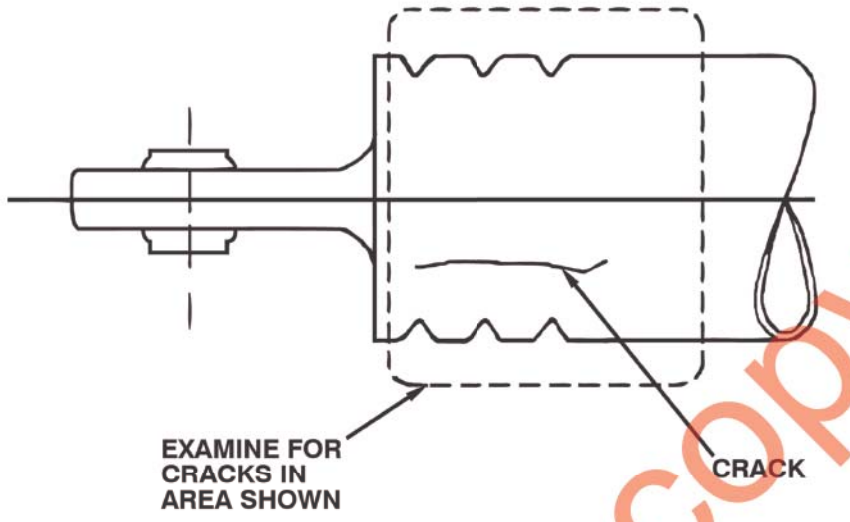
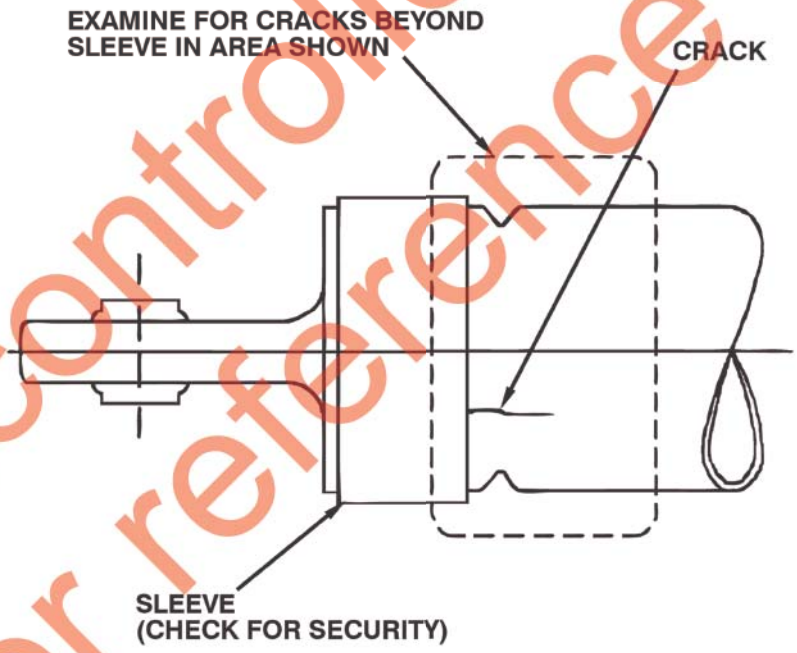
SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
16.(1)	Flight Control System	Operational test with trim tabs for full and freedom of movement and wing flaps in normal and emergency mode condition. (Cards FUN–B8, FUN–B5)			X												
16.(2)	Flight Control System	Check control surfaces alignment with external rigging marks; for rudder, check dimension "L" (Card FUN–G5)									X						X
16.(3)	Flight Control System	Check all trim and gear tabs for free play. (Card FUN–G6)									X						X
17.	Rudder System																
17.a.	Rudder Position Transmitter (Mod 6/2047)	Condition and security; cables for security, support structure for security and condition. (Card 20–10)					X		X		X		X		X		X
17.b.	Rudder Trim Tab Position Transmitter (Mod 6/2047)	Condition and security; cables for security, support structure for security and condition. (Card 20–10)					X		X		X		X		X		X
17.c.	Rudder Trim Tab Position Indication (Mod 6/2047)	Display indication function test, neutral and full range of travel. (Card FUN–C12)				X	X	X	X	X	X	X	X	X	X	X	X
17.d.	Alignment of Mechanical Rudder Trim Pointer and EFIS Rudder Trim Display (Mod 6/2047)	Operational test. (Card FUN–C13)				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
17.e.	Rudder Position (Mod 6/2047)	Voltage check. (Card 20–20)					X		X		X		X		X		X
18.	Elevator System																
18.a.	Elevator Position Transmitter (Mod 6/2047)	Condition and security; cables for security support structure for security and condition. (Card 20–10)					X		X		X		X		X		X
18.b.	Elevator Trim Tab Position Transmitter (Mod 6/2047)	Condition and security; cables for security, support structure for security and condition. (Card 20–10)					X		X		X		X		X		X
18.c.	Elevator Trim Tab Position Indication (Mod 6/2047)	Display indication function test, neutral and full range of travel. (Card FUN–C12)				X	X	X	X	X	X	X	X	X	X	X	X
18.d.	Alignment of Mechanical Pitch Trim Pointer and EFIS Pitch Trim Display (Mod 6/2047)	Operational test. (Card FUN–C14)				X	X	X	X	X	X	X	X	X	X	X	X
18.e.	Elevator Position (Mod 6/2047)	Voltage check. (Card 20–20)					X		X		X		X		X		X



TYPICAL TUBE WITHOUT SLEEVE



TYPICAL TUBE WITH SLEEVE

Inspection of Flight Control Rods with Magneformed (Swaged) Ends
Figure 1

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 28 – Fuel																	
1.	Fuel System	Water contamination in fuel system at water drain and fuel strainer drain points. (Card RA–EXT–09)	X														
2.(1)	Piping	Evidence of fuel leaks on underside of fuselage; drain valves for leakage. Vent outlets for obstructions. (Cards RA–EXT–10, RA–EXT–11)	X														
2.(2)	Piping	Pipes for condition, connections and hoses for condition, security and leakage. Check for corrosion in fuel gallery area. (Card 17–03)					X		X		X		X		X		X
2.(3)	Fuel Manifold (Mod 6/2389)	Bonding clamp sealant and terminal lug sealant for condition and integrity, peeling, cracking or evidence of corrosion. Inspect bonding jumpers for condition, security, integrity and corrosion. If damaged, replace component; re-apply sealant. (Cards 17–06, Cal 17–06)					X		X		X		X		X		X
2.(4)	Fuel Manifold (Mod 6/2389)	Inspect the Fuel Manifolds under bonding clamp sealant for corrosion. Remove sealant, bonding clamps and jumpers. Inspect tube for corrosion and pitting. Replace clamps, bonding jumpers and hardware with new; reseal clamps grounding hardware and terminal lugs. (Cards SP2 B.2,)				Every 6000 flight hours or 5 years, whichever occurs first											

PART 1 BASIC INSPECTION - 28

	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
3.(1)	Booster Pumps	Condition, security, corrosion and cleanliness. Wiring for condition, signs of overheat or arcing. Radio noise filters (Pre Mod 6/2267) for security, condition and corrosion. Electrical connectors for condition and deterioration of sealant. (Card 17–02)					X		X		X		X		X		X
3.(2)	Booster Pumps	Operational test. (Evidence of rough running (Power on)). (Card FUN–B6)			X												
3.(3)	Booster Pumps	Electrical EMI noise filters (Mod 6/2267) for condition, security, signs of overheat. Wiring for condition, signs of overheat or arcing, ground posts for tightness and corrosion, protective boots for condition. (Card 17–02A)					X		X		X		X		X		X
3.(4)	Booster Pumps	Bleed resistors (Mod 6/2267) for condition, security, signs of overheat. Resistance check, and condition of electrical terminations. (Card 17–02B)					X		X		X		X		X		X
4.	Ejectors	Security. (Card 17–01)					X		X		X		X		X		X
5.	Fuel Strainer																
5.a.(1)	Fuel Strainer - Element (Pre Mod 6/2006)	Remove (Pre Mod 6/1229) 74 micron element, clean and install. Replace (Mod 6/1229) 10 micron element as required. (Cards 06–02, 07–02)			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
5.a.(2)	Fuel Strainer - Element (Pre Mod 6/2006)	**Note** **After replacement of fuel tank, if excessive foreign matter is found in fuel strainer after 50 flight hours, drain and flush system and inspect motive line check valve strainers for foreign matter. If excessive recheck in next 20 flight hours.** (Card SP2–B2)															
5.a.(3)	Fuel Strainer - Element (Pre Mod 6/2006)	Leak check under pressure. (System operation). (Card FUN–B7)															
5.b.	Fuel Strainer Body	Condition and security of attachment bolts; drain valve for security. (Cards 06–02, 07–02)			X												
5.c.(1)	Fuel Filter (Mod 6/2006)	Remove 10 micron element as required. (Cards 06–02, 07–02)			X												
5.c.(2)	Fuel Filter	**Note** **After replacement of fuel tank, if excessive foreign matter is found in fuel strainer after 50 flight hours, drain and flush system and inspect motive line check valve strainers for foreign matter. If excessive recheck in next 20 flight hours.** (Card SP2–B2)															
6.(1)	Fuel System - Emergency Shut-off Valve	Security and leakage. (Cards 13–06, 14–06)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 28

	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS												
				A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
6.(2)	Fuel System - Emergency Shut-off Valve	Operational test. Return switch to NORMAL after test. (Power on). (Card FUN–A1)		X													
7.(1)	Fuel System - Crossfeed Valve	Corrosion, security and evidence of leakage. (Card 17–01)					X		X		X		X		X		X
7.(2)	Fuel System - Crossfeed Valve	Operational test. (Card FUN–A2)		X													
7.a.(1)	Fuel System - Position Indicator (SOO 6035) (Pre Mod 6/2009)	Security. (Card 23–07i)						X			X			X			X
7.a.(2)	Fuel System - Position Indicator (SOO 6035) (Pre Mod 6/2009)	Operational test. (Card FUN–A2)		X													
8.	Fuel Quantity Indicating System	Functional test (calibration check). (Power on). (Card FUN–G12)									X						X
8.a.	Fuel Quantity Indicating System - Indicators (Pre Mod 6/2009)	Condition and security. (Card 23–07k)							X				X				X
8.b.	Fuel Quantity Indicating System - Capacitance Tank Units	Corrosion, security and leakage. (Card 24–10)						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.c.	Fuel Quantity Indicating System - Fuel Conditioner Unit (Mod 6/2046)	Security, wiring and connections. (Card 24–09)						X			X			X			X
9.	Fuel Transfer Motive Line Check Valves	Remove and inspect strainers for contamination. Clean as required and install serviceable unit. Leak check (Power on). Note **Drain fuel before removing strainers.** (Card 10–01, FUN-C4)				X	X	X	X	X	X	X	X	X	X	X	X
10.	Fuel Cells	Security and leakage. (Card 25–15)						X			X			X			X
10.a.	Cell Vent Neck and Vent Line	Condition and leakage. Remove heater ducts for access. Install heater ducts. (Card 25–15)						X			X			X			X
10.b.	Fuel Filler Caps	Caps for security and proper fit; seal for condition. Clean as required. (Card RA–EXT–22)	X														
10.c.	Filler Necks to Fuel Cell	Condition, security and proper attachment. Clean as required. (Card RA–EXT–22)	X														
10.d.	Sump Plates **Airworthiness Directive T.C. CF-71-07 F.A.A. 71-16-01**	Condition, corrosion and leakage. Clean as required. Note **Refer to Service Bulletin No. 6/269 and A.D. if applicable.** (Card 17–03)					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
10.e.	Wing Fuel Vent Outlet **Airworthiness Directive T.C. CF-83-32**	Condition and free from obstruction. Note **Refer to Service Bulletin No. 6/211 and A.D. if applicable.** (Cards 40–05, 41–05)				X	X	X	X	X	X	X	X	X	X	X	X
11.	Fuel Low Pressure Switches	Condition and leakage. (Card 17–08)					X		X		X		X		X		X
12.	Forward and Aft Low Level Warning System	Functional test. Adjust tank levels to obtain indication. (Power on). (Card FUN–G7)									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.	Electrical Wiring and Connectors	Wiring and connectors for condition and security, bonding leads for fraying, broken wires, loose connections and corrosion. Coaxial wiring and connectors for condition and security. Clean as required. For Mod 6/2390, do a detailed visual inspection of the environmental wrap for condition, integrity (split, tear, deterioration or removal etc.). If deterioration is evident, remove the environmental wrap and inspect underlying components for general condition, corrosion, wiring, terminations, shield terminations. Replace damaged components and install new environmental wrap (refer to PSM1-64-2, Chapter 20-50-03). For Mod 6/2395, do a detailed visual inspection of the backshell and backshell sealant for deterioration in the seal cavities. If deterioration is evident, clean and reseal the backshell. Replace if deterioration severe. (Cards 17–04, 17–12)					X		X		X		X		X		X
14.	Wing Tank Fuel System (SOO 6095, 6247)																
14.a.	Wing Tank	Fuel for water content; drain valves for security. Evidence of fuel leaks from wing tank areas. Vent outlets for obstructions. (Card RA–EXT–12)	X														

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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.b.(1)	Wing Tank Fuel	Drain fuel and check samples for contamination. Remove fuel filler (Mod 6/1398), if fitted, clean as required and install. Leak check. **Note** **If contamination is evident, remove panel at top of tank and inspect interior of tank. Drain and flush as necessary, and clean strainer at end of fuel outlet pipe. When installing panel, seal in accordance with Maintenance Manual.** (Cards 06–03, 07–03)			X												
14.b.(2)	Wing Tank Fuel	Open access panel on top of wing tank, inspect interior for corrosion and strainer for condition. Clean as required. When installing panel seal in accordance with Maintenance Manual. (Card 34–07, 35–07)									X						X
15.	Wing Tank Components (SOO 6095, 6247)	**Note** **Where applicable, check bonding jumpers for condition and attachment.**															
15.a.	Wing Tank Components - Fuel Pressure Pump	Condition, security and leakage. (Cards 20–02, 21–02)					X		X		X		X		X		X
15.b.	Wing Tank Components - Fuel Pressure Switch	Condition, security and leakage. (Cards 20–02, 21–02)					X		X		X		X		X		X
15.c.	Wing Tank Components - Tank Fuel Float (Pre Mod 6/2046)	Condition, security and leakage. (Cards 20–02, 21–02)					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
15.d.	Wing Tank Components - Fuel Transfer Valve	Condition, security and leakage. (Cards 20–02, 21–02)					X		X		X		X		X		X
15.e.	Wing Tank Components - Refuel Shut-off Valve	Condition, security and leakage. (Cards 20–02, 21–02)					X		X		X		X		X		X
15.f.	Wing Tank Components - Fuel Level Control Valve	Condition, security and leakage. (Cards 20–02, 21–02)					X		X		X		X		X		X
15.g.	Wing Tank Components - Pipes and Connections	Condition, security and leakage. (Cards 20–02, 21–02)					X		X		X		X		X		X
15.h.	Wing Tank Components - Electrical Wiring and Connectors	Condition and security. Clean as required (Cards 20–02, 21–02)					X		X		X		X		X		X
15.i.	Wing Tank Fuel System	Operational test. (Power on). (Card FUN–D5)					X		X		X		X		X		X
15.j.	Wing Tank Components - Capacitance Tank Unit (Mod 6/2046) (SOO 6247)	For corrosion, security, wiring, connections and leakage. (Cards 34–12, 35–12)									X						X
16.	Wing Fuel Quantity Indicating System (SOO 6095, 6247)	Functional test (calibration check). (Power on). (Card FUN–G11)									X						X
17.	Wing Tank Filler Caps and Necks (SOO 6095, 6247)	Filler caps for condition and security, seals for deterioration; filler necks for condition and security. (Cards 27–05, 28–06)						X			X			X			X

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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 29 – Hydraulic Power																	
1.	Power Package																
1.a.(1)	Power Package - Reservoir	Hydraulic reservoir filler neck for condition and contamination; fluid leakage, dip stick seal for deterioration. End of vent clear of power package tray. (Cards 01–02, 01–03)			X												
1.a.(2)	Power Package - Reservoir	Fluid for correct level. (Card RA–EXT–14)	X														
1.b.(1)	Power Package - Accumulators	System and wheel brake precharge pressure. **Note** **Depressurize system by operating flaps and brakes before checking pressures.** (Card RA–EXT–13)	X														
1.b.(2)	Power Package - Accumulators	Security and leakage. (Card 15–07)					X		X		X		X		X		X
1.b.(3)	Power Package - Accumulators	Remove for bench test (non-destructive tests). Install serviceable unit. (Card CT–J–B2)															X
1.c.	Power Package - Air Charging Valves and Indicators	Condition and security. Clean as required. (Card 08–03)				X	X	X	X	X	X	X	X	X	X	X	X
1.d.(1)	Power Package - Pump (Electric Motor Driven)	Security and leakage. (Card 08–05)				X	X	X	X	X	X	X	X	X	X	X	X

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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
1.d.(2)	Power Package - Pump (Electric Motor Driven)	Remove for bench test. Install serviceable unit. (Card CT–J–B3)															X
1.e.	Power Package - System Pressure Relief Valve	Security and leakage. (Card 15–06)					X		X		X		X		X		X
1.f.(1)	Power Package - Pressure Switch	Security and leakage. (Card 08–07)				X	X	X	X	X	X	X	X	X	X	X	X
1.f.(2)	Power Package - Pressure Switch	Operational test. (Power on). (Card FUN–F1)							X				X				X
1.g.	Power Package - Filter Unit	Remove filter element and replace with new element. Leak check. (Cards 08–02, FUN–C8a)				X	X	X	X	X	X	X	X	X	X	X	X
1.h.	Power Package - Power Package Tray	Drain holes clear of obstruction. Clean as required. (Card 08–06)				X	X	X	X	X	X	X	X	X	X	X	X
2. 2.a.	Pressure System Pressure Indicators (Pre Mod 6/2002)	Hydraulic and brake system indicators for condition, security and leakage. (Card 23–07l)						X			X			X			X
2.b.	Pressure Sensors (Mod 6/2002)	Hydraulic and brake system sensors for condition, security and leakage. (Card 23–07m)						X			X			X			X
3.(1)	Emergency Hand Pump	Handle for security in stowed position. (Card RA–INT–04)	X														
3.(2)	Emergency Hand Pump	Security and leakage. (Card 08–04)				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
4.	Flap System Thermal Relief Valve	Security and leakage. (Card 18–05)					X		X		X		X		X		X
5.	Brake System Pressure Relief Valve	Security and leakage. (Card 15–06)					X		X		X		X		X		X
6.	Hydraulic Package Pipes and Connections	Condition. Connection for security. (Card 08–18)				X	X	X	X	X	X	X	X	X	X	X	X
7.	Main Leg Hydraulic Brake Pipes	Condition, leakage, loose clamps and connections for security, flexible hoses for condition, leakage and connections for security. (Card 17–16)					X		X		X		X		X		X

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PART 1 BASIC INSPECTION - 30

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 30 – Ice and Rain Protection																	
1.	Heated Windshield System (Mods SOO 6007/6187)																
1.a.	Windshields	Condition, discoloration, delamination and security. (Card RA–INT–03)	X														
1.b.	Element Wiring	Condition and security. (Card 16–02)					X		X		X		X		X		X
1.c.	Temperature Controllers	Condition and security; connectors for security. (Card 25–03)						X			X			X			X
1.d.	Windshield Heat Relay Box	Condition and security; connectors for security. (Card 25–04)						X			X			X			X
1.e.	Windshield System	Operational test. (Power on). (Card FUN–C9)				X	X	X	X	X	X	X	X	X	X	X	X
2.	Propeller De-icing System (Mod SOO 6005) (Mod SOO 6202) (Mod SOO 6237)																
2.a.(1)	Propeller De-icing System - Blade Boots	Condition and security. (Card RE–02)	X														
2.a.(2)	Propeller De-icing System - Blade Boots	Boots for cuts, tears, burns, deterioration and proper and adhesion. (Cards 38–02, 39–02)			X												

PART 1 BASIC INSPECTION - 30

	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
2.b.	Propeller De-icing System - Brush Block Assembly	Condition and security. (Cards 38–03, 39–03)			X												
2.c.	Propeller De-icing System - Terminal Wiring	Remove spinner and inspect electrical harness for security of connections. Install spinner. (Cards 42–06, 43–06)						X			X			X			X
2.d.	Propeller De-icing System - Back Spin Plate and Slip Ring	Condition and security. (Cards 38–03, 39–03)			X												
2.e.(1)	Propeller De-icing System - Timer	Condition and security; connector for security. (Card 32–07)									X						X
2.e.(2)	Propeller De-icing System - Timer	Functional test. (Power on). (Card FUN–G13)									X						X
2.f.	Propeller De-icing System - Control Box	Condition and security; connector for security. (Card 32–07)									X						X
2.g.	Propeller De-icing System	Operational test. (Power on). (Card FUN–E6)						X			X			X			X
3.	Airframe De-icing System (Mod SOO 6004)																
3.a.(1)	Airframe De-icing System - Wing and Horizontal Stabilizer De-icing Boots	Condition. (Card RA–EXT–06)	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
3.a.(2)	Airframe De-icing System - Wing and Horizontal Stabilizer De-icing Boots	Boots for cuts, tears, deterioration and proper adhesion. (Cards 12–05, 13–05, 14–05)				X	X	X	X	X	X	X	X	X	X	X	X
3.b.	Airframe De-icing System - Wing Bonded Stall Bar	Condition and proper adhesion. (Card RE–10)	X														
3.c.	Airframe De-icing System - Water Separators	Drain holes and/or drain lines for obstruction and security. (Cards 11–20, 13–02, 14–02)				X	X	X	X	X	X	X	X	X	X	X	X
3.d.	Airframe De-icing System - Water Separator Filters	Condition and replace as necessary. **Note** **Replace more frequently in areas of high industrial air pollution and high humidity.** (Cards 11–20, 13–02, 14–02)				X	X	X	X	X	X	X	X	X	X	X	X
3.e.	Airframe De-icing System - Timer	Condition and security; connector for security. (Card 18–02)					X		X		X		X		X		X
3.f.	Airframe De-icing System - Distributor Valves	Security and leakage. (Cards 18–13b, 20–08a, 21–07a)					X		X		X		X		X		X
3.g.	Airframe De-icing System - Distributor Valve Heater Jackets	Jacket for security. Electrical connections for corrosion and security. (Cards 18–13c, 20–08b, 21–07b)					X		X		X		X		X		X
3.h.	Airframe De-icing System - Horizontal Stabilizer Pressure Indicating Switches	Pressure switches for security. Electrical connections for security. (Card 18–13d)					X		X		X		X		X		X

PART 1 BASIC INSPECTION - 30

	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
3.i.	Airframe De-icing System - Pressure Indicating Lights (Pre Mod 6/2028)	Condition and security; connector for security. (Card 16–15)					X		X		X		X		X		X
3.j.	Airframe De-icing System - Pipes and Connections	Pipes for condition, chafing, loose clamps and connections for security, flexible hoses for deterioration, chafing and security. (Card 18–13e, 20–08c, 21–07c)					X		X		X		X		X		X
3.k.	Airframe De-icing System - Ejector	Condition and security, clear of obstruction. Clean as required. (Card 18–13a)					X		X		X		X		X		X
3.l.	Airframe De-icing System - Pressure and Vacuum Indicators	Condition, leakage and security. (Card 16–06)					X		X		X		X		X		X
3.m.	Airframe De-icing System	Operational test. (Card FUN–E4)						X			X			X			X
4.	Windshield Wiper System (Mods SOO 6009, 6157, 6/1607 and 6/2088)																
4.a.	Windshield Wiper System - Blades	Condition and security; drive arms for tension; tie rods for wear, distortion and security. (Card 08–10)				X	X	X	X	X	X	X	X	X	X	X	X
4.b.	Windshield Wiper System - Convertors	Condition and freedom of movement. (Card 22–06)						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
4.c.	Windshield Wiper System - Flexible Drives	Condition, security and freedom of operation. Evidence of water ingress. (Card 22–06)						X			X			X			X
4.d.	Windshield Wiper System - Motor	Security of attachment. (Card 22–06)						X			X			X			X
4.e.	Windshield Wiper System - Wiring and Connectors	Condition and security of connectors. (Card 22–06)						X			X			X			X
4.f.	Windshield Wiper System	Operational test. (Power on). **CAUTION** **DO NOT OPERATE WIPERS ON DRY WINDSHIELD SURFACE.** (Card FUN–C7)				X	X	X	X	X	X	X	X	X	X	X	X
5.	Windshield Washing System **Airworthiness Directive T.C. CF-82-20 F.A.A. 82-26-06**	Washer system vent for obstructions. Fluid tank for condition, security and leakage. Pump and fluid lines for condition, leakage and security. **Note** **Refer to Service Bulletin No. 6/422 and A.D., if applicable.** (Cards 08–08, 09–02)				X	X	X	X	X	X	X	X	X	X	X	X
6.	Engine Air Intake Anti-icing System																
6.a.	Engine Air Intake Anti-icing System - Intake Boot (Mod SOO 6062)	Boot for deterioration, proper adhesion and evidence of burning. (Cards 40–01, 41–01)				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
6.b.	Engine Air Intake Anti-icing System - Wiring and Connectors (Mod SOO 6062)	Condition and security of connections. (Cards 40–01, 41–01)				X	X	X	X	X	X	X	X	X	X	X	X
6.c.	Engine Air Intake Anti-icing System (Mod SOO 6062)	Operational test. (Power on). (Card FUN–E5)						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
Chapter 31 – Instruments																	
1.	Instrument Panels	Condition and security; bonding wires for condition and security. (Card 23–01)						X			X			X			X
2.	Vibration Isolators	Security. (Card 30–03)									X						X
3.(1)	Primary Flight Display Units (KDU 1080 or KDU-1080-2) Pilot/Co-pilot (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18a)					X		X		X		X		X		X
3.(2)	Primary Flight Display Units (KDU 1080 or KDU-1080-2) Pilot/Co-pilot (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19a)					X		X		X		X		X		X
3.a.(1)	Primary Flight Display Controller (KMC 2210) Pilot/Co-pilot (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18b)					X		X		X		X		X		X

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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
3.a.(2)	Primary Flight Display Controller (KMC 2210) Pilot/Co-pilot (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19b)					X		X		X		X		X		X
4.(1)	Multi Function Display Units (KDU 1080) Upper/Lower (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18c)					X		X		X		X		X		X
4.(2)	Multi Function Display Units (KDU 1080) Upper/Lower (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19c)					X		X		X		X		X		X
4.a.(1)	Multi Function Display Controller (KMC 2220) Pilot (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18d)					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
4.a.(2)	Multi Function Display Controller (KMC 2220) (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19d)					X		X		X		X		X		X
5.(1)	Flight Controller (KMC 9200) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18e)					X		X		X		X		X		X
5.(2)	Flight Controller (KMC 9200) (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19e)					X		X		X		X		X		X
6.(1)	Reversion Control Panel for Displays (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18f)					X		X		X		X		X		X

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	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS												
				A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
6.(2)	Reversion Control Panel for Displays (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19f)					X		X		X		X		X		X
6.(3)	Reversion Control Panel for Displays (Mod 6/2049)	Reversion control panel switch operational test. (Card FUN–A8)		X													
7.(1)	ESIS - Display (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18g)					X		X		X		X		X		X
7.(2)	ESIS - Display (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19g)					X		X		X		X		X		X
7.a.(1)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18h)					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
7.a.(2)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19h)					X		X		X		X		X		X
7.a.(3)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Periodic battery check. (Card SP2–N1)					**Every 1000 hours or 3 months whichever occurs first**										
7.a.(4)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Battery capacity test. (Card SP2–N2)					**Every 3000 hours or 12 months whichever occurs first**										
7.b.(1)	ESIS - Magnetometer (Mod 6/2049) (Mod SOO 6209)	Condition and security; bonding wires for condition and security of attachment. (Card 20–19a)					X		X		X		X		X		X
7.b.(2)	ESIS - Magnetometer (Mod 6/2049) (Mod SOO 6209)	Inspect bonding of the mating surfaces between the magnetometer mounting feet and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 20–19b)					X		X		X		X		X		X

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	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
7.c.	ESIS (Mod 6/2049) (Mod SOO 6209)	Altimeter System Test (Card SP2–N8)					Every 24 months or in accordance with Local Regulatory Authority										
7.d.	ESIS	Operational test. (Card RA–OPR-6)	X														
7.e.	ESIS	Calibration check. (Card SP2–N7)					Every 12 months or in accordance with Local Regulatory Authority										
8.(1)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18i)					X		X		X		X		X		X
8.(2)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Inspect bonding of the mating surfaces between the MAU mounting tray and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19i)					X		X		X		X		X		X
8.(3)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Verify ferrite beads are installed on the LAN wires inside the backshells of all the NIC's (bead P/N is a Ferronics 21–727–B). (Card 16–19k)					X		X		X		X		X		X
8.(4)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Visually inspect the mesh covering the air intake for dust and debris. Clean as required. (Cards 16–19l, SP1–G9)					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
8.a.(1)	MAU Power Supplies (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18j)					X		X		X		X		X		X
8.a.(2)	MAU Power Supplies (Mod 6/2049)	Inspect bonding of the mating surfaces between the MAU power supply mounting tray and the airframe structure (< 2.5 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19j)					X		X		X		X		X		X
9.(1)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Condition and security; bonding wires for condition and security of attachment. (Card 18–8a)					X		X		X		X		X		X
9.(2)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Inspect bonding of the mating surfaces between the CVR unit and the airframe structure (< 2.5 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–8b)					X		X		X		X		X		X
9.(3)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	ULB periodic system check. (Card SP2–N3)				**Every 3000 hours or 12 months whichever occurs first**											

	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
9.(4)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Intelligibility test. (Card SP2–N5)					Every 3000 hours or 12 months whichever occurs first										
10.(1)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Condition and security; bonding wires for condition and security of attachment. (Card 18–9a)					X		X		X		X		X		X
10.(2)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Inspect bonding of the mating surfaces between the unit and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–9b)					X		X		X		X		X		X
10.(3)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	ULB periodic system check. (Card SP2–N4)					Every 3000 hours or 12 months whichever occurs first										
10.(4)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Correlation check. (Card SP2–N6)					Every 3000 hours or 12 months whichever occurs first										
11.(1)	Data Acquisition Unit (DAU 1 & DAU 2) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–23a)					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
11.(2)	Data Acquisition Unit (DAU 1 & DAU 2) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–23b)					X		X		X		X		X		X
12.(1)	Master Warning and Caution Indication and Control (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 18–31)					X		X		X		X		X		X
12.(2)	Master Warning and Caution Indication and Control (Mod 6/2028)	Function test. (Power on). (Card FUN–B10)			X												
13.(1)	ECTM/FOQA (IONode 100) (SOO 6288)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 15–29)					X		X		X		X		X		X
13.(2)	ECTM/FOQA (IONode 100) (SOO 6288)	Function test. (Power on). (Card FUN–D6)					X		X		X		X		X		X
14. (1)	Quick Access Recorder (SOO 6356)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 18–39)					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
14. (2)	Quick Access Recorder (SOO 6356)	Function test. (Power on). (Card FUN–D8)					X		X		X		X		X		X
15. (1)	RIB Video Module (SOO 6212)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 15-30)					X		X		X		X		X		X
15. (2)	RIB Video Module (SOO 6212)	Inspect bonding of the mating surfaces between the unit and airframe (<2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15-31a)					X		X		X		X		X		X
15. (3)	RIB Video Module (SOO 6212)	Inspect bonding of the mating surfaces between unit wiring backshells and airframe (< 5.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15-31b)					X		X		X		X		X		X
15. (4)	RIB Video Module (SOO 6212)	Function test. (Power on). (Card FUN–D11)					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
Chapter 32 – Landing Gear																	
1.	Tires (All)	Cuts, wear, deterioration and inflation. Correct inflation pressures required for Standard configuration tires or operating with Intermediate flotation gear Mod SOO 6048. Wheels Tire Models Nose (Goodrich) (Goodyear) (Dunlop) (Michelin) Main (Goodrich) (Dunlop) (Michelin) (Card RA–EXT–18)	X														
2.(1)	Nose Gear	Condition and leakage; clean exposed surface of shock strut piston with clean cloth. (Card RA–EXT–19)	X														
2.(2)	Nose Gear	Correct extension as given on data plate. Fork retaining nut secured properly. (Card 01–07)			X												
2.(3)	Nose Gear	Thorough clean and inspect for condition, security and leakage; service as necessary. (Card 08–01)				X	X	X	X	X	X	X	X	X	X	X	X
3.(1)	Steering Actuator	Condition and leakage; hydraulic pipes and input swivel lever for condition, connections for security and leakage. (Card 01–04)			X												
3.(2)	Steering Actuator	Remove external filter, clean and install. (Cards 08–01, FUN–C8d)				X	X	X	X	X	X	X	X	X	X	X	X

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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
3.(3)	Steering Actuator	Remove for bench (pressure) test. Install serviceable unit. (Card CT–H–B1)					Every 4800 hours										
4.	Steering Cables and Pulleys																
4.a.	Steering Cables and Pulleys (Pre Mod 6/1800) (where visible) **Airworthiness Directive T.C. CF-84-03**	Cables for condition, corrosion, kinks, flattening, proper attachment and security. Pulleys for condition, free movement of operation and security. Turnbuckles for security. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. **Note** **Refer to Service Bulletin No. 6/453 and A.D., if applicable.** (Card 01–04)					Every 200 hours										
4.b.	Steering Cables and Pulleys (Pre Mod 6/1800) (Remove Control Column Cover) **Airworthiness Directive T.C. CF-84-03**	Cables for condition, corrosion, kinks, flattening, proper attachment and security. Pulleys for condition, free movement of operation and security. Turnbuckles for security. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. Install control column cover. **Note** **Refer to Service Bulletin No. 6/453 and A.D., if applicable.** (Card SP2–C3.1)					Every 400 hours or 6 months whichever occurs first										

	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
4.c.	Steering Cables and Pulleys (Mod 6/1800) (Fwd of Station 60 and beneath Cockpit floor)	Cables for condition, corrosion, kinks, flattening, proper attachment and security. Pulleys for condition, free movement of operation and security. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. (Card 15–08)					X		X		X		X		X		X
4.d.	Steering Cables and Pulleys (Mod 6/1800) (Remove Control Column Cover)	Cables for condition, corrosion, kinks, flattening, proper attachment and security. Pulleys for condition, free movement of operation and security. Turnbuckles for security. Detailed visual inspection of cable terminals for signs of corrosion pits or cracks. Install control column cover. (Card 16–09)					X		X		X		X		X		X
5.	Steering Actuator Linkage	Condition, corrosion and security; fouling of linkage on shock strut cylinder body. (Card 01–08)			X												
6.	Steering Lever	Binding and security. (Card 16–09)					X		X		X		X		X		X
7.	Nose Wheel Steering System	Cable tension. (Card 15–16)					X		X		X		X		X		X
7.a.	Nose Wheel Steering System	Functional test. (Power on). (Card FUN–J1)				Every 2400 hours											
8. 8.a.	Nose Landing Gear Nose Landing Gear - Torque Arms, and Pip-pin	Wear, condition, corrosion and security; pip-pin chain for security. (Card 22–18)						X			X			X			X

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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.b.	Nose Landing Gear - Attachment Fittings	Corrosion and cracks; pre-load torque marks for proper alignment. (Card 22–19)						X			X			X			X
8.c.	Nose Landing Gear - Torque Arms (Mod 6/1377)	Lubricate. (Card 08–01)				X	X	X	X	X	X	X	X	X	X	X	X
9.(1).	Nose Wheel Assembly - Wheel	Condition. (Card RA–EXT–20)	X														
9.(2).	Nose Wheel Assembly - Wheel	Remove and clean as required; inspect for abrasions, cracks, chipped rims, bearings for condition, bushing for wear and seal for deterioration. Install wheel assembly. (Card 01–09)			X												
9.(3).	Nose Wheel Assembly - Wheel	Remove wheel and remove tire from wheel; inspect for visible cracks or chipping on rims. Lubricate bearings as required. Install serviceable tire and wheel. (Card 15–04)					X		X		X		X		X		X
9.(4).	Nose Wheel Assembly - Wheel	Bearings: Signs of wear, corrosion, fretting and blueing; lubricate in accordance with Maintenance Manual. (Card 01–09b)			X												
9.(5).	Nose Wheel Assembly - Wheel	Dye penetrant check. (Card SP2–A1)				Refer to Special Inspection Requirements											
10.	Main Wheel Brakes																
10.a.	Main Wheel Brakes - Brake Housing	Cylinders and associated lines for condition, leakage and evidence of overheating. (Card 03–01d)			X												

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
10.b.	Main Wheel Brakes - Brake Discs	Scoring, and evidence of overheating. (Card 03–01e)			X												
10.c.	Main Wheel Brakes - Brake Linings	Wear within limits. **Note (Post Mod 6/2002) Refer to Maintenance Manual, PSM 1-64-2. (Post Mod 6/2317) Refer to Maintenance Manuals, PSM 1-6-2, 1-63S-2 or 1-63-2.** **Note (Pre Mods 6/2002 and 6/2317) If indicators pins are flush with ends of adjustment nuts (brake pressure off), check that brake lining wear is within limits. Refer to Maintenance Manual, PSM 1-6-2, 1-63S-2 or 1-63-2.** (Card 03–01f)			X												
10.d.	Main Wheel Brakes - Brake Disc Guide Pad (When installed)	Condition and security. (Card 03–01e)			X												
11.(1)	Main Wheels	Condition. (Card RA–EXT–20)	X														
11.(2)	Main Wheels	Remove and clean as required; inspect for abrasions, cracks, chipped rims; brake drive rings for condition and signs of wear (Pre Mods 6/2002 and 6/2317), bearings, bush and seals for condition. Lubricate bearing. Install serviceable wheel and tire. (Cards 03–01a, 03–01b, 03–01c)			X												

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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
11.(3)	Main Wheels	Remove wheels and remove tires from wheels; inspect for visible cracks or chipping on rims. Install tire and wheel. (Card 17–11)					X		X		X		X		X		X
11.(4)	Main Wheels	Dye penetrant check. (Card SP2–A1)					Refer to Special Inspection Requirements										
12.	Brake System																
12.a.	Brake System - Pedal Linkage	Springs, levers and linkage for condition, wear and security. (Card 09–04)				X	X	X	X	X	X	X	X	X	X	X	X
12.b.	Brake System - Brake Valves	Remove console covers; inspect for security and leakage. Clean as required. Install console covers. (Card 16–11)					X		X		X		X		X		X
12.c.	Brake System	Functional test. (Power on). (Card FUN–E9)						X			X			X			X
13.	Parking Brake	Rods and linkage for signs of wear and security. Lubricate cams. (Card 16–11)					X		X		X		X		X		X
14.(1)	Main Gear Fairings	Cracks, delamination and security; seals for tears, deterioration and security. (Card 17–09)					X		X		X		X		X		X
14.(2)	Main Gear Fairings	Remove center fairings and check fairings supporting structure for cracks, corrosion, buckling and loose anchor nuts. Install center fairings. (Card 17–09)					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
14.(3)	Main Gear Fairings	Roller blind assembly for adequate spring tension; blind for fraying, tears and security; rollers for free running and security. (Card 17–09)					X		X		X		X		X		X
14.(4)	Main Gear Leg	Remove fairings and inspect welds for cracks at tubes, lugs, pivot fittings and brake flange axle housing. **Note** **Refer to PSM 1-6-7, Part 3, Figure 8 for leg weld locations.** (Card 17–09A)					X		X		X		X		X		X
15.(1)	Shock Absorbing Blocks	Condition, free for oil or grease, deterioration, splitting on surface adjacent to bolt holes and displacement of blocks. Discard blocks that have sustained permanent set due to displacement beyond edge of scuff plate. **Note** **Displacement within boundaries of scuff plate edge is allowable and not detrimental to aircraft safety. Inspect for bubbles close to vertical surface of block by smearing surface with water and using strong light viewed from opposite side of block. For bubble criteria refer to Maintenance Manual.** (Card 17–10)					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
15.(2)	Shock Absorbing Blocks	Permanent set and gaps between compression blocks and separator plates, upper to lower plate pre load bolt dimensions required for Pre Mod and Mod 6/1469 standard compression blocks. Rebound block and plate for condition, separation and corrosion. Refer to Maintenance Manual. (Card 24–03)						X			X			X			X
16.	Stay Struts	Cracks, corrosion and security. (Card 24–04)						X			X			X			X
17.(1)	DELETED																
17.(2)	DELETED																
18.	Main Gear Attachment Fittings	Upper and lower fittings for condition and security. (Card 17–15)					X		X		X		X		X		X
19.(1)	Tail Bumper	Condition and security. (Card RA–EXT–21)	X														
19.(2)	Tail Bumper	Tail axle and attachments for security; shock absorber pad for deterioration and security of bonding. (Card 33–07)									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
Chapter 33 – Lights																	
1.	Flight Compartment																
1.a.	Flight Compartment - Pilot/Co-pilot Flight and Instrument Panel Lights (Pre Mod 6/2028)	Condition and security. (Card 16–01)					X		X		X		X		X		X
1.b.	Flight Compartment - Caution Lights (Pre Mod 6/2028)	Condition and security. (Card 16–15)					X		X		X		X		X		X
1.c.	Flight Compartment - Dome Light (Pre Mod 6/2028)	Condition and security. (Card 16–15)					X		X		X		X		X		X
1.d.	Flight Compartment - Co-pilot Dimming Control Rheostat (Pre Mod 6/2028) **Airworthiness Directive T.C. CF-81-05**	Condition and cable routing clear rheostat body. **Note** **Refer to Service Bulletin No. 6/401 and A.D., if applicable.** (Card 16–13)					X		X		X		X		X		X
1.e.(1)	Flight Compartment - Instrument Panel Light - Panel Overlay Lights, Compass Light (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17a)					X		X		X		X		X		X
1.e.(2)	Flight Compartment - Instrument Panel Light - Panel Overlay Lights, Compass Light (Mod 6/2028)	Function test. (Power on). (Card RA–OPR–03)	X														

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	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
1.f.(1)	Flight Compartment - Instrument Panel Light - Trim Panel Static Valve Post Lights, Flap Selector Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17a)					X		X		X		X		X		X
1.f.(2)	Flight Compartment - Instrument Panel Light - Trim Panel Static Valve Post Lights, Flap Selector Lights (Mod 6/2028)	Function test. (Power on). (Card RA–OPR–03)	X														
1.g.(1)	Flight Compartment - Flood Lights - Aisle Light, Eye Reference Lights, Avionics CB Post Lights, Instrument Panel Visor Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17b)					X		X		X		X		X		X
1.g.(2)	Flight Compartment - Flood Lights - Aisle Light, Eye Reference Lights, Avionics CB Post Lights, Instrument Panel Visor Lights (Mod 6/2028)	Test. (Power on). (Card RA–OPR–04)	X														
1.h.(1)	Flight Compartment - Dome Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17c)					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
1.h.(2)	Flight Compartment - Dome Lights (Mod 6/2028)	Function test. (Power on). (Card RA–OPR–05)	X														
1.i.(1)	Flight Compartment - Map Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17d)					X		X		X		X		X		X
1.i.(2)	Flight Compartment - Map Lights (Mod 6/2028)	Function test. (Power on). (Card RA–OPR–05)	X														
1.j.(1)	Flight Compartment - Caution Lights Dimming (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17e)					X		X		X		X		X		X
1.j.(2)	Flight Compartment - Caution Lights Dimming (Mod 6/2028)	Function test. (Power on). (Card RA–OPR–05)	X														
2.	Aircraft Exterior																
2.a.(1)	Aircraft Exterior - Position Lights (Pre Mod 6/2028)	Condition and security. (Cards 19–04, 20–01, 21–01)					X		X		X		X		X		X
2.a.(2)	Aircraft Exterior - Position Lights (Pre Mod 6/2028)	Operational test. (Power on). (Card RA–OPR–02)	X														
2.b.(1)	Aircraft Exterior - Anti-collision Lights (Pre Mod 6/2028) **Airworthiness Directive F.A.A. 67-33-01**	Condition and security. (Card 19–04)					X		X		X		X		X		X

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	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
2.b.(2)	Aircraft Exterior - Anti-collision Lights (Pre Mod 6/2028) **Airworthiness Directive F.A.A. 67-33-01**	Condition, security and restricted operation. **Note** **Refer to Service Bulletin No. 6/57 and A.D. for aircraft 001 to 070, if applicable.** (Card 19–04)					X		X		X		X		X		X
2.b.(3)	Aircraft Exterior - Anti-collision Lights (Pre Mod 6/2028) **Airworthiness Directive F.A.A. 67-33-01**	Condition and brush wear. (Cards 24–08, 26–04)						X			X			X			X
2.b.(4)	Aircraft Exterior - Anti-collision Lights (Pre Mod 6/2028) **Airworthiness Directive F.A.A. 67-33-01**	Operational test. (Power on). (Card RA–OPR–02)	X														
2.c.(1)	Aircraft Exterior - Landing Lights (Pre Mod 6/2028)	Condition and security; clean lens as required. (Cards 20–07, 21–06)					X		X		X		X		X		X
2.c.(2)	Aircraft Exterior - Landing Lights (Pre Mod 6/2028)	Operational test. (Power on). (Card RA–OPR–02)	X														
2.d.(1)	Aircraft Exterior - Strobe Lights (Mod 6/1513) (Pre Mod 6/2028)	Condition and security. (Cards 19–04, 20–01, 21–01)					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
2.d.(2)	Aircraft Exterior - Strobe Lights (Mod 6/1513) (Pre Mod 6/2028)	Flasher unit for condition, connector for security. (Card 25–01)						X			X			X			X
2.d.(3)	Aircraft Exterior - Strobe Lights (Mod 6/1513) (Pre Mod 6/2028)	Power supply for security. (Cards 27–02, 28–02)						X			X			X			X
2.e.	Aircraft Exterior - Wing Strobe Lights (Pre Mod 6/1513) (Pre Mod 6/2028) **Airworthiness Directive T.C. CF-76-21 F.A.A. 76-13-06**	Wing tip rib installation for condition. **Note** **Refer to Service Bulletin No. 6/318 and A.D., if applicable.** (Cards 20–01, 21–01)					X		X		X		X		X		X
2.f.(1)	Aircraft Exterior - Position and Strobe Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17f)					X		X		X		X		X		X
2.f.(2)	Aircraft Exterior - Position and Strobe Lights (Mod 6/2028)	Operational test. (Power on). (Card RA–OPR–02)	X														
2.f.(3)	Aircraft Exterior - Position and Strobe Lights (Mod 6/2028) (Pre Mod 6/2447)	Power supply for security. (Cards 27–02, 28–02)						X			X			X			X

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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
2.g.(1)	Aircraft Exterior - Beacon Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17g)					X		X		X		X		X		X
2.g.(2)	Aircraft Exterior - Beacon Lights (Mod 6/2028)	Operational test. (Power on). (Card RA–OPR–02)	X														
2.h.(1)	Aircraft Exterior - Landing Lights (Mod 6/2028) (Mod 6/2285) (Mod 6/2407)	Condition and security; bonding wires for condition and security of attachment. Clean lens as required. (Card 15–17h)					X		X		X		X		X		X
2.h.(2)	Aircraft Exterior - Landing Lights (Mod 6/2028) (Mod 6/2285) (Mod 6/2407)	Operational test. (Power on). (Card RA–OPR–02)	X														
2.i.(1)	Aircraft Exterior - Wing Inspection Lights (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–17i)					X		X		X		X		X		X
2.i.(2)	Aircraft Exterior - Wing Inspection Lights (Mod 6/2028)	Operational test. (Power on). (Card RA–OPR–03)	X														
3.	Cabin Interior																
3.a.	Cabin Interior - Cabin Lights (Pre Mod 6/2028)	Condition and security. (Card 25–06)						X			X			X			X
3.b.	Cabin Interior - Passenger Warning Lights	Condition and security. (Card 25–06)						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
3.c.(1)	Cabin Interior - Boarding Light (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 15–18a)					X		X		X		X		X		X
3.c.(2)	Cabin Interior - Boarding Light (Mod 6/2028)	Operational test. (Power on). (Card RA–OPR–02)	X														
3.d.(1)	Cabin Interior - Cabin Lights (Mod 6/2028) (Mod 6/2427)	Condition and security; bonding wires for condition and security of attachment. (Card 15–18b)					X		X		X		X		X		X
3.d.(2)	Cabin Interior - Cabin Lights (Mod 6/2028) (Mod 6/2427)	Operational test. (Power on). (Card RA–OPR–02)	X														
4.(1)	Noseleg Taxi Light	Condition and security of attachment; security of connector. (Card 08–09)				X	X	X	X	X	X	X	X	X	X	X	X
4.(2)	Noseleg Taxi Light	Operational test. (Power on). (Card RA–OPR–03)	X														
5.	Fwd and Aft Baggage Compartment Lights	Condition and security; connector for security. (Cards 22–03, 25–12)						X			X			X			X
6.(1)	Door Unlock Warning System	Security; limit switches and actuator mechanisms for condition and security. Operate each door separately. (Card 22–04)						X			X			X			X

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	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
6.(2)	Door Unlock Warning System	Functional test. Include limit switch. (Power on). (Card FUN–C3)				X	X	X	X	X	X	X	X	X	X	X	X
7.	Optional Lighting																
7.a.(1)	Optional Lighting - Wing Inspection Lights (Mod SOO 6006) (Mod 6/2421)	Condition and security. Clean as required. (Cards 27–04, 28–04)						X			X			X			X
7.a.(2)	Optional Lighting - Wing Inspection Lights (Mod SOO 6006) (Mod 6/2421)	Operational test. (Power on). (Card RA–OPR–03)	X														
7.b.(1)	Optional Lighting - Cabin Emergency Lights (Mod SOO 6098)	Condition and security. Condition of Batteries. (Card 25–08)						X			X			X			X
7.b.(2)	Optional Lighting - Cabin Emergency Lights (Mod SOO 6098)	Operational test. (Power on). (Card FUN–C6)				X	X	X	X	X	X	X	X	X	X	X	X
7.c.(1)	Optional Lighting - Cabin Emergency Lights (Mod SOO 6179)	Condition; security of connectors. Condition of Batteries. (Card 25–08)						X			X			X			X
7.c.(2)	Optional Lighting - Cabin Emergency Lights (Mod SOO 6179)	Operational test. (Power on). (Card FUN–C6)				X	X	X	X	X	X	X	X	X	X	X	X
7.d.(1)	Optional Lighting - Cabin Emergency Lighting System (Mod SOO 6205)	Condition; security of connectors. Condition of Batteries. (Card 25–08)						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
7.d.(2)	Optional Lighting - Cabin Emergency Lighting System (Mod SOO 6205)	Operational test. (Power on). (Card FUN–C6)				X	X	X	X	X	X	X	X	X	X	X	X
8.	Flt. and Cabin Area Electrical Wiring and Connections	Condition; security of connectors. Clean as required. (Card 25–13)						X			X			X			X

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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 34 – Navigation																	
1.	ADF No. 1 and No. 2																
1.a.	ADF No. 1 and No. 2 - Control Units (Pre Mod 6/2049)	Condition and security of mounting; cables and connectors for security. Clean as required. (Card 23–14a)						X			X			X			X
1.b.	ADF No. 1 and No. 2 - Power Units	Condition; security of mounting, connections and terminal blocks. Clean as required. (Card 22–22a)						X			X			X			X
1.c.	ADF No. 1 and No. 2 - Loop Antennas (Pre Mod 6/2003)	Covers for condition; moisture ingress and security; connectors and insulators for security. Clean as required. (Card 17–13b)					X		X		X		X		X		X
1.d.	ADF No. 1 and No. 2 - ADF Flexible Drives	Outer casing for condition and security. Rotate crank and make sure of free rotation of drive cable. (Card 23–05)						X			X			X			X
1.e.	ADF No. 1 and No. 2 - Sense Antennas	Masts for cracks and security; connectors and insulators for security; wires for correct tension and loose connections; covering for cracks and deterioration. Clean as required. (Card 10–05)				X	X	X	X	X	X	X	X	X	X	X	X
1.f.	ADF No. 1 and No. 2 - Indicator	Condition and security; cables and connectors for security. Clean as required. (Card 16–03k)					X		X		X		X		X		X

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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
2.	VOR No. 1 and No. 2																
2.a.	VOR No. 1 and No. 2 - Control Units (Pre Mod 6/2049)	Condition and security of mounting; cables and connectors for security. Clean as required. (Card 23–14b)						X			X			X			X
2.b.	VOR No. 1 and No. 2 - Antenna	Evidence of leakage at structure and loose connections; VOR antenna disconnect for security. Clean as required. (Cards 17–13a, 18–16)					X		X		X		X		X		X
2.c.	VOR No. 2 Power Divider	Condition and security; mounting bracket for security. (Card 22–22b)						X			X			X			X
2.d.	VOR No. 1 and No. 2 - Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the VOR No. 1 and No. 2 antenna and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19a)					X		X		X		X		X		X
3.	Glide Slope																
3.a.	Glide Slope - Receivers (Pre Mod 6/2049)	Condition; security of mounting; cables and connectors for security. Clean as required. (Card 23–14c)						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
3.b.	Glide Slope - Antenna	Condition; loose connections and security of mounting. (Card 08–14a)				X	X	X	X	X	X	X	X	X	X	X	X
3.c.	Glide Slope - Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the glide slope antenna and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19b)					X		X		X		X		X		X
4.	Marker Beacon																
4.a.	Marker Beacon - Receivers (Pre Mod 6/2049)	Condition and security of mounting; cables and connectors for security. Clean as required. (Card 22–22c)						X			X			X			X
4.b.	Marker Beacon - Indicator Lights (Pre Mod 6/2003)	Condition and security; cables and connectors for security. (Card 23–14d)						X			X			X			X
4.c.	Marker Beacon - Antenna	Loose connections, entry of moisture and security. (Card 17–13c)					X		X		X		X		X		X

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	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
4.d.	Marker Beacon - Antenna (Mod 6/2003)	Inspect bonding of the mating surfaces between the marker beacon antenna and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19c)					X		X		X		X		X		X
5.	VHF COMM and/or NAV Combinations																
5.a.	VOR and Glide Slope Controls Airworthiness (Pre Mod 6/2049) **Airworthiness Directive F.A.A. 80-18-05**	Condition and security; cables and connectors for security. Clean as required. **Note** **Refer to A.D., if applicable.** (Cards 23–14b, 23–14c)						X			X			X			X
5.b.	NAV/COMM Antenna	Evidence of leakage at structure, loose connections, cracks and deformity. (Card 08–14b)				X	X	X	X	X	X	X	X	X	X	X	X
5.c.	VOR/ILS NAV Receiver (Pre Mod 6/2003) **Airworthiness Directive F.A.A. 86-25-01**	Condition and security of mounting; cables and connectors for security. Clean as required. **Note** **Refer to A.D., if applicable.** (Card 23–14e)						X			X			X			X
5.d.	Power Supply Unit (Pre Mod 6/2049)	Condition and security of mounting, cables for condition and connectors for security. Clean as required. (Card 22–22d)						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
6.	Weather Radar																
6.a.	Weather Radar - Transmitter and Receiver	Condition and security of mounting; cables and connectors for security. Clean as required. (Card 08–22)				X	X	X	X	X	X	X	X	X	X	X	X
6.b.	Weather Radar - Antenna (Pre Mod 6/2003)	Condition and security; cables and connectors for security. Clean as required. (Card 08–14c)				X	X	X	X	X	X	X	X	X	X	X	X
6.c.	Weather Radar - Radar Indicator (Pre Mod 6/2049)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 23–14f)						X			X			X			X
6.d.	Weather Radar System	Operational test. (Power on). (Card FUN–B3)			X												
6.e.	Weather Radar Transmitter and Receiver (RDR 2000) (Mod 6/2049)	Inspect bonding of mating surfaces between the unit base and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19d)					X		X		X		X		X		X
7.	Nav Systems																
7.a.	Nav Systems - All Systems	Operational test. (Power on). (Card FUN–B2)			X												

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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
7.b.	Nav Systems - Equipment Shock Mounts	Condition, corrosion and security; vibration isolators for condition. (Card 22–05)						X			X			X			X
7.c.	Nav Systems - Bonding Wires	Condition and security of attachments. (Card 15–02)					X		X		X		X		X		X
8.	Navigational Instruments																
8.a.(1)	Navigational Instruments - Turn and Slip Indicator (Pre Mod 6/2049)	Condition; wiring and connectors for condition and security. Clean as required. (Card 16–03a)					X		X		X		X		X		X
8.a.(2)	Navigational Instruments - Turn and Slip Indicator (Pre Mod 6/2049)	Remove for bench test. Install serviceable unit. (Card CT–G–B2)									X						X
8.b.(1)	Navigational Instruments - Directional Gyro (Pre Mod 6/2049)	Condition; wiring and connectors for condition and security; caging mechanism for proper operation. Clean as required. (Card 16–03b)					X		X		X		X		X		X
8.b.(2)	Navigational Instruments - Directional Gyro (Pre Mod 6/2049)	Remove for bench test. Install serviceable unit. (AIM directional gyros only). (Card CT–G–B3)									X						X
8.c.(1)	Navigational Instruments - Airspeed Indicator (Pre Mod 6/2049)	Condition and security; hoses for condition. Clean as required. (Card 16–03c)					X		X		X		X		X		X

	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
8.c.(2)	Navigational Instruments - Airspeed Indicator (Pre Mod 6/2049)	Remove for bench test. Install serviceable unit. (Card CT–G–B4)									X						X
8.d.(1)	Navigational Instruments - Attitude Indicator (Pre Mod 6/2049)	Condition; connections for security; wiring and connectors for condition and security. Caging mechanism for proper operation. Clean as required. (Card 16–03d)					X		X		X		X		X		X
8.d.(2)	Navigational Instruments - Attitude Indicator (Pre Mod 6/2049)	Remove for bench test. Install serviceable unit. (Card CT–G–B5)									X						X
8.e.	Navigational Instruments - Vertical Speed Indicator (Pre Mod 6/2049)	Condition; connections for security; hoses for condition. Clean as required. (Card 16–03e)					X		X		X		X		X		X
8.f.(1)	Navigational Instruments - Altimeter (Pre Mod 6/2049) **Airworthiness Directive C.T. CF-75-12**	Condition; connections for security; hoses for condition. **Note** **Refer to A.D., if applicable.** (Card 16–03f)					X		X		X		X		X		X
8.f.(2)	Navigational Instruments - Altimeter (Pre Mod 6/2049) **Airworthiness Directive C.T. CF-75-12**	Remove for bench test. Install serviceable unit. (Card CT–G–B7)					**or Every 2.5 years whichever occurs first**				X						X

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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.g.(1)	Navigational Instruments - Standby Compass	Condition and security. Clean as required. (Card 16–04a)					X		X		X		X		X		X
8.g.(2)	Navigational Instruments - Standby Compass	Compass swing. (Cards SP2–L1, 16–04b, CAL 16–4b)					Every 12 months or in accordance with Local Regulatory Authority										
8.h.	Navigational Instruments - Air Temperature Gauge (Pre Mod 6/2049)	Condition and security. (Card 23–06)						X			X			X			X
8.i.	Navigational Instruments - Flux Detector (Pre Mod 6/2049)	Condition and security; cables and connectors for security, mounting brackets for security. Clean as required. (Card 28–05)						X			X			X			X
8.j.	Navigational Instruments - Radio Magnetic Indicator (Pre Mod 6/2049)	Condition and security; cables and connectors for security. (Card 16–03g)					X		X		X		X		X		X
8.k.	Navigational Instruments - Annunciator (Pre Mod 6/2049)	Condition; connectors for security. (Card 16–03g)					X		X		X		X		X		X
8.l.	Navigational Instruments - Radio Altimeter (Pre Mod 6/2049)	Condition and security of mounting; cables for condition and connector for security. (Card 18–12c)						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.m.	Navigational Instruments - DME Unit (Pre Mod 6/2049)	Condition and security of mounting; cables for condition and connector for security. (Card 18–12b)						X			X			X			X
9.(1)	Pitot Heads	Condition and obstruction. (Card RA–EXT–15)	X														
9.(2)	Pitot Heads	Operational test. (Power on). (Card RA–OPR–01)	X														
9.(3)	Pitot Heads	Security and corrosion. (Card 08–13)				X	X	X	X	X	X	X	X	X	X	X	X
10.	Static Vents	Condition and obstruction. (Card RA–EXT–15)	X														
11.	Selector Valve	Security and smooth operation. (Card 23–12)						X			X			X			X
12.(1)	Pitot Static Installation	Condition; connectors for security. (Card 23–12)						X			X			X			X
12.(2)	Pitot Static Installation	Moisture; drain moisture traps at following locations: a. Adjacent to pitot mast. b. Below static valve on center pylon. c. Autopilot computer static line. (Card 09–13)				X	X	X	X	X	X	X	X	X	X	X	X
12.(3)	Pitot Static Installation	Functional test (leak test) pitot static line. (Card FUN–G3)									X						X
								or Every 2.5 years whichever occurs first									

	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.	Pitot Heads Electrical Wiring and Connections	Wiring for condition and connections for security. (Card 09–18)				X	X	X	X	X	X	X	X	X	X	X	X
14.	C14 Gyro Magnetic Compass (Pre Mod 6/2049)	Condition and security. Clean as required. (Card 22–22e)						X			X			X			X
14.a.	C14 Gyro Magnetic Compass Control Head Unit (Pre Mod 6/2049)	Condition and security. Clean as required. (Card 16–03j)					X		X		X		X		X		X
15.(1)	Transponder (KXP 2290 or KXP 2290A)	Condition and security; bonding wires for condition and security of attachment. (Card 16–21a)					X		X		X		X		X		X
15.(2)	Transponder (KXP 2290 or KXP 2290A)	Operational test. (Power on). (Card 16–21b)					X		X		X		X		X		X
15.(3)	Transponder (KXP 2290 or KXP 2290A)	Inspect bonding of mating surfaces between the mounting tray and the nearest airframe ground (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–21c)					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
15.(4)	Transponder (KXP 2290 or KXP 2290A)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–21f)					X		X		X		X		X		X
15.(5)	Transponder System (KXP 2290A) (Post Mod 6/2354 with SOO 6347)	Function Test Transponder System ADS-B Out Conformity. (Card SP2–L4)					**Every 24 months or in accordance with Local Regulatory Authority**										
15.(6)	Transponder (KXP 2290 or KXP 2290A)	Function Test. (Card SP2–L5)					**Every 24 months or in accordance with Local Regulatory Authority**										
15.(7)	Transponder (KXP 2290 or KXP 2290A)	Transponder Air Data Input Verification. (Card SP2–L6)					**Every 24 months or in accordance with Local Regulatory Authority**										
15.a.(1)	Lower Transponder Antennas No. 1 and No. 2 (Mod 6/2003) (Mod SOO 6388, 6381)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14d)				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
15.a.(2)	Lower Transponder Antennas No. 1 and No. 2 (Mod 6/2003) (Mod SOO 6388, 6381)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–21d)					X		X		X		X		X		X
15.b.(1)	Upper Transponder Antennas No. 1 and No. 2 (Mod 6/2003) (Mod SOO 6388, 6381)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14e)				X	X	X	X	X	X	X	X	X	X	X	X
15.b.(2)	Upper Transponder Antennas No. 1 and No. 2 (Mod 6/2003) (Mod SOO 6388, 6381)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–21e)					X		X		X		X		X		X
16.(1)	GPS No. 1 (KGS 200) (Mod 6/2049, (Post Mod 6/2304) (Mod SOO 6388)	Condition and security; bonding wires for condition and security of attachment. (Card 15–20a)					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
16.(2)	GPS No. 1 (KGS 200) (Mod 6/2049) (Post Mod 6/2304) (Mod SOO 6388)	Operational test. (Power on). (Card 15–20b)					X		X		X		X		X		X
16.(3)	GPS No. 1 (KGS 200) (Mod 6/2049) (Post Mod 6/2304) (Mod SOO 6388)	Inspect bonding of mating surfaces between the GPS unit and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–20c)					X		X		X		X		X		X
16.a.(1)	GPS No. 2 (KGS 200) (Mod 6/2049) (Post Mod 6/2304) (Mod SOO 6380)	Condition and security; bonding wires for condition and security of attachment. (Card 15–20d)					X		X		X		X		X		X
16.a.(2)	GPS No. 2 (KGS 200) (Mod 6/2049) (Post Mod 6/2304) (Mod SOO 6380)	Operational test. (Power on). (Card 15–20e)					X		X		X		X		X		X

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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
16.a.(3)	GPS No. 2 (KGS 200) (Mod 6/2049) (Post Mod 6/2304) (Mod SOO 6380)	Inspect bonding of mating surfaces between the GPS unit and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–20f)					X		X		X		X		X		X
16.b.(1)	GPS Antenna No. 1 (Mod 6/2003) (Mod SOO 6388)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14f)				X	X	X	X	X	X	X	X	X	X	X	X
16.b.(2)	GPS Antenna No. 1 (Mod 6/2003) (Mod SOO 6388)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–20g)					X		X		X		X		X		X
16.c.(1)	GPS Antenna No. 2 (Mod 6/2003) (Mod SOO 6380)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14g)				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
16.c.(2)	GPS Antenna No. 2 (Mod 6/2003) (Mod SOO 6380)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–20h)					X		X		X		X		X		X
17.(1)	DME Transceiver Unit No. 1 (KN 63) (Mod 6/2049) (Mod SOO 6388)	Condition and security; bonding wires for condition and security of attachment. (Card 18–28a)					X		X		X		X		X		X
17.(2)	DME Transceiver Unit No. 1 (KN 63) (Mod 6/2049) (Mod SOO 6388)	Operational test. (Power on). (Card 18–28b)					X		X		X		X		X		X
17.(3)	DME Transceiver Unit No. 1 (KN 63) (Mod 6/2049) (Mod SOO 6388)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–28c)					X		X		X		X		X		X
17.a.(1)	DME Transceiver Unit No. 2 (KN 63) (Mod 6/2049) (Mod SOO 6386)	Condition and security; bonding wires for condition and security of attachment. (Card 18–28d)					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
17.a.(2)	DME Transceiver Unit No. 2 (KN 63) (Mod 6/2049) (Mod SOO 6386)	Operational test. (Power on). (Card 18–28e)					X		X		X		X		X		X
17.a.(3)	DME Transceiver Unit No. 2 (KN 63) (Mod 6/2049) (Mod SOO 6386)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–28f)					X		X		X		X		X		X
17.b.(1)	DME Transceiver Center Fuselage Antenna (Mod 6/2003) (Mod SOO 6388)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14h)				X	X	X	X	X	X	X	X	X	X	X	X
17.b.(2)	DME Transceiver Center Fuselage Antenna (Mod 6/2003) (Mod SOO 6388)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–28g)					X		X		X		X		X		X
17.c.(1)	DME Antenna No. 2 (Mod 6/2003) (Mod SOO 6386)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14i)				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
17.c.(2)	DME Antenna No. 2 (Mod 6/2003) (Mod SOO 6386)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–28h)					X		X		X		X		X		X
18.(1)	Radar Altimeter Unit No. 1 (Mod 6/2049) (Mod SOO 6388)	Condition and security; bonding wires for condition and security of attachment. (Card 18–29a)					X		X		X		X		X		X
18.(2)	Radar Altimeter Unit No. 1 (Mod 6/2049) (Mod SOO 6388)	Operational test. (Power on). (Card 18–29b)					X		X		X		X		X		X
18.(3)	Radar Altimeter Unit No. 1 (Mod 6/2049) (Mod SOO 6388)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–29c)					X		X		X		X		X		X
18.a.(1)	Radar Altimeter Unit No. 2 (Mod SOO 6218) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–29d)					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
18.a.(2)	Radar Altimeter Unit No. 2 (Mod SOO 6218) (Mod 6/2049)	Operational test. (Power on). (Card 18–29e)					X		X		X		X		X		X
18.a.(3)	Radar Altimeter Unit No. 2 (Mod SOO 6218) (Mod 6/2049)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). Note **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–29f)					X		X		X		X		X		X
18.b.(1)	Radar Altimeter Antenna No. 1 (Mod 6/2003) (Mod SOO 6388)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14j)				X	X	X	X	X	X	X	X	X	X	X	X
18.b.(2)	Radar Altimeter Antenna No. 1 (Mod 6/2003) (Mod SOO 6388)	Inspect bonding of mating surfaces between the antenna and the airframe (< 3.0 milliohms). Note **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–29g)					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
18.c.(1)	Radar Altimeter Antenna No. 2 (Mod 6/2003) (Mod SOO 6388)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14k)				X	X	X	X	X	X	X	X	X	X	X	X
18.c.(2)	Radar Altimeter Antenna No. 2 (Mod 6/2003) (Mod SOO 6388)	Inspect bonding of mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–29h)					X		X		X		X		X		X
18.d.(1)	Radar Altimeter Antenna No. 3 (Mod SOO 6218)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14p)				X	X	X	X	X	X	X	X	X	X	X	X
18.d.(2)	Radar Altimeter Antenna No. 3 (Mod SOO 6218)	Inspect bonding of mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–29i)					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
18.e.(1)	Radar Altimeter Antenna No. 4 (Mod SOO 6218)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14q)				X	X	X	X	X	X	X	X	X	X	X	X
18.e.(2)	Radar Altimeter Antenna No. 4 (Mod SOO 6218)	Inspect bonding of mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–29j)					X		X		X		X		X		X
19.(1)	TCAS I Processor Unit (KTA 970) (Mod 6/2049) (Mod SOO 6382)	Condition and security; bonding wires for condition and security of attachment. (Card 15–21a)					X		X		X		X		X		X
19.(2)	TCAS I Processor Unit (KTA 970) (Mod 6/2049) (Mod SOO 6382)	Operational test. (Power on). (Card 15–21b)					X		X		X		X		X		X
19.(3)	TCAS I Processor Unit (KTA 970) (Mod 6/2049) (Mod SOO 6382)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–21c)					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.a.(1)	TCAS II Processor Unit (KTA 970) (Mod SOO 6219) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–21d)					X		X		X		X		X		X
19.a.(2)	TCAS II Processor Unit (KTA 970) (Mod SOO 6219) (Mod 6/2049)	Operational test. (Power on). (Card 15–21e)					X		X		X		X		X		X
19.a.(3)	TCAS II Processor Unit (KTA 970) (Mod SOO 6219) (Mod 6/2049)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–21f)					X		X		X		X		X		X
19.b.(1)	TCAS Antenna Upper No. 1 (Mod 6/2003) (Mod SOO 6382)	Condition and security; control and indicators for condition; bonding wires and connectors for security. Clean as required. (Card 08–14l)				X	X	X	X	X	X	X	X	X	X	X	X
19.b.(2)	TCAS Antenna Upper No. 1 (Mod 6/2003) (Mod SOO 6382)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–21g)					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.c.(1)	TCAS Antenna Upper No. 2 (Mod SOO 6219) (Mod 6/2003)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14m)				X	X	X	X	X	X	X	X	X	X	X	X
19.c.(2)	TCAS Antenna Upper No. 2 (Mod SOO 6219) (Mod 6/2003)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–21h)					X		X		X		X		X		X
19.d.(1)	TCAS Antenna Lower (Mod 6/2003) (Mod SOO 6382)	Condition and security; control and indicators for condition; bonding wires and connectors for security. Clean as required. (Card 08–14o)				X	X	X	X	X	X	X	X	X	X	X	X
19.d.(2)	TCAS Antenna Lower (Mod 6/2003) (Mod SOO 6382)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–21i)					X		X		X		X		X		X
20.(1)	EGPWS (MK VI) (Mod 6/2049) (Mod SOO 6387)	Condition and security; bonding wires for condition and security of attachment. (Card 15–22a)					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.(2)	EGPWS (MK VI) (Mod 6/2049) (Mod SOO 6387)	Operational test. (Power on). (Card 15–22b)					X		X		X		X		X		X
20.(3)	EGPWS (MK VI) (Mod 6/2049) (Mod SOO 6387)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–22c)					X		X		X		X		X		X
21.(1)	XM Satellite Weather Receiver (XMD 157-01) (Mod SOO 6211) (Mod 6/2019)	Condition and security; bonding wires for condition and security of attachment. (Card 15–23a)					X		X		X		X		X		X
21.(2)	XM Satellite Weather Receiver (XMD 157-01) (Mod SOO 6211) (Mod 6/2049)	Operational test. (Power on). (Card 15–23b)					X		X		X		X		X		X
21.(3)	XM Satellite Weather Receiver (XMD 157-01) (Mod SOO 6211) (Mod 6/2049)	Inspect bonding of mating surfaces between the unit and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–23c)					X		X		X		X		X		X

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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
21.a.(1)	XM Antenna (Mod SOO 6211) (Mod 6/2003)	Condition and security; control and indicators for condition; wiring and connectors for security. Clean as required. (Card 08–14n)				X	X	X	X	X	X	X	X	X	X	X	X
21.a.(2)	XM Antenna (Mod SOO 6211) (Mod 6/2003)	Inspect bonding of mating surfaces between the antennas and the airframe (< 3.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19e)					X		X		X		X		X		X
22.(1)	ADAHRS No. 1 (KSG 7200) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–24a)					X		X		X		X		X		X
22.(2)	ADAHRS No. 1 (KSG 7200) (Mod 6/2049)	Operational test. (Power on). (Card 15–24b)					X		X		X		X		X		X
22.(3)	ADAHRS No. 1 (KSG 7200) (Mod 6/2049)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 1.0 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–24c)					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
22.(4)	ADAHRS No. 1 (KSG 7200) (Mod 6/2049)	ADAHRS No. 1 reversion switches operational test. (Card FUN–A9)		X													
22.a.(1)	ADAHRS No. 2 (KSG 7200) (Mod SOO 6209) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 15–24d)					X		X		X		X		X		X
22.a.(2)	ADAHRS No. 2 (KSG 7200) (Mod SOO 6209) (Mod 6/2049)	Operational test. (Power on). (Card 15–24e)					X		X		X		X		X		X
22.a.(3)	ADAHRS No. 2 (KSG 7200) (Mod SOO 6209) (Mod 6/2049)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 1.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–24f)					X		X		X		X		X		X
22.a.(4)	ADAHRS No. 2 (KSG 7200) (Mod SOO 6209) (Mod 6/2049)	ADAHRS No. 2 reversion switches operational test. (Card FUN–A9)		X													
22.b.(1)	ADAHRS Magnetometer (KMG 7010) (Mod SOO 6209) (Mod 6/2049) (Pre Mod 6/2171)	Condition and security; cables for security, support structure for security and condition. (Card 20–18a)					X		X		X		X		X		X

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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
22.b.(2)	ADAHRS Magnetometer (KMG 7010) (Mod SOO 6209) (Mod 6/2049) (Pre Mod 6/2171)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 20–18b)					X		X		X		X		X		X
22.c.(1)	ADAHRS Magnetometer (KMG 7010) (Mod SOO 6209) (Post Mod 6/2171)	Condition and security; cables for security, support structure for security and condition. (Card 17–20a)					X		X		X		X		X		X
22.c.(2)	ADAHRS Magnetometer (KMG 7010) (Mod SOO 6209) (Post Mod 6/2171)	Inspect bonding of mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–20b)					X		X		X		X		X		X
22.d.(1)	ADAHRS (KSG 7200) (Mod SOO 6209) (Mod 6/2049)	Compass Accuracy Verification. (Card SP2–L2)					**Every 12 months or in accordance with Local Regulatory Authority**										
22.d.(2)	ADAHRS (KSG 7200) (Mod SOO 6209) (Mod 6/2049)	Altimeter System Test. (Card SP2–L3)					**Every 24 months or in accordance with Local Regulatory Authority**										

	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
23.(1)	ADF Antenna No. 1 (Mod SOO 6209) (Mod 6/2003)	Covers for condition; moisture ingress, cracks, deterioration and security; connectors and insulators for security; masts for cracks and security. Clean as required. (Card 10–05A)				X	X	X	X	X	X	X	X	X	X	X	X
23.(2)	ADF Antenna No. 1 (Mod SOO 6209) (Mod 6/2003)	Inspect bonding of mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19i)					X		X		X		X		X		X
24.(1)	ADF Antenna No. 2 (Mod SOO 6217) (Mod 6/2003)	Covers for condition; moisture ingress, cracks, deterioration and security; connectors and insulators for security; masts for cracks and security. Clean as required. (Card 10–05B)				X	X	X	X	X	X	X	X	X	X	X	X
24.(2)	ADF Antenna No. 2 (Mod SOO 6217) (Mod 6/2003)	Inspect bonding of mating surfaces between the antenna and the airframe (< 3.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–19j)					X		X		X		X		X		X

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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 35 – Oxygen																	
1.	Crew System Diluter Demand (Mod SOO 6044)																
1.a.(1)	Crew System Diluter Demand - Crew Oxygen	Pressure check. (Card RA–INT–01)	X														
1.a.(2)	Crew System Diluter Demand - Crew Oxygen	Proper operation (normal and emergency); contamination (by smell). (Card 02–04)			X												
1.a.(3)	Crew System Diluter Demand - Crew Oxygen	Functional test (pressure drop). (Card FUN–G9)									X						X
1.b.(1)	Crew System Diluter Demand - Indicator and Charging Valve	Condition and cleanliness. (Card RA–INT–08)	X														
1.b.(2)	Crew System Diluter Demand - Indicator and Charging Valve	Condition and security of mounting installation. (Card 29–05)									X						X
1.c.	Crew System Diluter Demand - Cylinder	Scratches, dents, cleanliness and security. (Card 29–06)									X						X
1.d.	Crew System Diluter Demand - Cylinder Straps	Condition and security. Clean as required. (Card 29–06)									X						X

PART 1 BASIC INSPECTION - 35

	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
1.e.(1)	Crew System Diluter Demand - Oxygen Cylinder Mounting Brackets (Pre Mod 6/1836)	Condition and security. (Card 22–20)						X			X			X			X
1.e.(2)	Crew System Diluter Demand - Oxygen Cylinder Mounting Brackets (Mod 6/1836)	Condition and security. (Card 29–06)									X						X
1.f.(1)	Crew System Diluter Demand - Regulators	Condition and security of mounting. Clean as required. (Card 23–10a)						X			X			X			X
1.f.(2)	Crew System Diluter Demand - Regulators	Remove for bench test. Install serviceable unit.						In accordance with vendors recommendations									
1.g.	Crew System Diluter Demand - Masks and Hoses	Condition and security of fittings. (Card 23–10b)						X			X			X			X
1.h.	Crew System Diluter Demand - Pipelines and Connections	Condition, cleanliness and security of connections. Clean as required. (Cards 22–07, 23–10c)						X			X			X			X
2.	Passenger System Constant Flow (Mod SOO 6046) (Mod SOO 6056)																
2.a.(1)	Passenger System Constant Flow - Passenger Oxygen	Pressure check. (Card RA–INT–01)	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
2.a.(2)	Passenger System Constant Flow - Passenger Oxygen	Proper operation; contamination (by smell). (Card 02–04)			X												
2.a.(3)	Passenger System Constant Flow - Passenger Oxygen	Functional test (pressure drop). (Card FUN–G9)									X						X
2.b.	Passenger System Constant Flow - Oxygen Cylinders	Scratches, dents, cleanliness and security. (Card 32–16)									X						X
2.c.	Passenger System Constant Flow - Cylinder Straps and Support Installations	Cracks, security; felt padding for cuts or tears, security and clean as required; mounting support structure for cracks, corrosion and security. (Card 32–16)									X						X
2.d.	Passenger System Constant Flow - Indicator and Charging Valve	Condition. Clean as required. (Card 04–05)			X												
2.e.	Passenger System Constant Flow - Regulator Panel	Condition and security. Clean as required. (Card 23–11)						X			X			X			X
2.f.	Passenger System Constant Flow - Shutoff Valve	Security. Clean as required. (Card 30–09)									X						X
2.g.	Passenger System Constant Flow - Passenger to Crew Transfer Valve	Security. Clean as required. (Card 30–09)									X						X

PART 1 BASIC INSPECTION - 35

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
2.h.(1)	Passenger System Constant Flow - Passenger Oxygen Outlets	Clean of obstruction. Clean as required. (Card 04–04)			X												
2.h.(2)	Passenger System Constant Flow - Passenger Oxygen Outlets	Condition and security. (Card 32–14)									X						X
2.i.	Passenger System Constant Flow - Masks and Hoses	Condition and security. Proper operation. Clean as required. (Card 25–11)						X			X			X			X
2.j.	Passenger System Constant Flow - Pipelines and Connections	Condition and security. Clean as required. (Card 25–11)						X			X			X			X
2.k.(1)	Passenger System Constant Flow - Continuous Flow Regulator	Condition and security. Clean as required. (Card 23–11)						X			X			X			X
2.k.(2)	Passenger System Constant Flow - Continuous Flow Regulator	Remove for bench test. Install serviceable unit.				In accordance with vendors recommendations											
2.l.	Passenger System Constant Flow - Pressure Indicator	Condition and security. (Card 30–08)									X						X
3.	Crew and Passenger Bottles type 3HT	Hydrostatic test. (Card SP2–K1)				Every 3 years											
3.a.	Crew and Passenger Bottles type 3AA	Hydrostatic test. (Card SP2–K2)				Every 5 years											

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 36 – Pneumatic																	
1.	Pneumatic Package	System pressure test. (Card FUN–G15)									X						X
1.a.	Pneumatic Package - Pipes	Condition; connections for security. (Card 32–08a)									X						X
1.b.	Pneumatic Package - Heat Exchanger	Condition; clear of obstructions. (Card 11–16)				X	X	X	X	X	X	X	X	X	X	X	X
1.c.	Pneumatic Package - Pressure Regulator Valve	Security. Mounting plate for condition and security. (Card 32–08b)									X						X
1.d.	Pneumatic Package - Low Pressure Warning Switch	Security. (Card 32–08c)									X						X
1.e.	Pneumatic Package - Dual Pressure Switch	Security. (Card 32–08d)									X						X
1.f.	Pneumatic Package - Strainer	Remove element, clean and install. Leak check. (Cards 11–13, FUN–C8c)				X	X	X	X	X	X	X	X	X	X	X	X
2.	Pneumatic System Bleed Air (Mod 6/1046)																
2.a.	Pneumatic System Bleed Air - Pressure Regulator	Condition and security. (Cards 22–17a, 23–13a)						X			X			X			X
2.b.	Pneumatic System Bleed Air - Pressure Relief Valves	Condition and security. (Cards 22–17b, 23–13b)						X			X			X			X

PART 1 BASIC INSPECTION - 36

	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
2.c.	Pneumatic System Bleed Air - Pressure Indicators	Condition and security. (Card 23–13c)						X			X			X			X
2.d.	Pneumatic System Bleed Air - Pipes	Condition; connections for security, flexible hoses for condition. (Card 23–13d)						X			X			X			X
2.e.	Pneumatic System Bleed Air - Filters	Remove and install new filter. Leak check. (Cards 15–13, 16–07, FUN–D1a)					X		X		X		X		X		X
2.f.	Pneumatic System Bleed Air - Mounting Plate	Condition and security. (Cards 22–17c, 23–13e)						X			X			X			X
2.g.	Pneumatic System Bleed Air - Automatic Water Drains	Security. (Card 29–14)									X						X
2.h.	Pneumatic System Bleed Air - Strainers	Remove, clean and install. Leak check. (Cards 08–17, FUN–C8b)				X	X	X	X	X	X	X	X	X	X	X	X
2.i.	Pneumatic System	Operational test. (Engine running). (Card FUN–D1b)					X		X		X		X		X		X
3.	Pneumatic System Engine Driven Pump (Mod 6/1166)																
3.a.	Pneumatic System - Engine Driven Air Pump	Condition and security. (Cards 42–02, 43–02)						X			X			X			X
3.b.	Pneumatic System Engine Driven Pump - Pump Intake Filter	Remove, clean and install. (Card RE–07)	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
3.c.	Pneumatic System Engine Driven Pump - Pressure Regulator Valve (Engine)	Condition and security. (Cards 27–03, 28–03)						X			X			X			X
3.d.	Pneumatic System Engine Driven Pump - Pressure Regulator Valve at Station 60	Condition and security. (Cards 22–17a, 23–13a)						X			X			X			X
3.e.	Pneumatic System Engine Driven Pump - Pressure Relief Valves	Condition and security. (Cards 22–17b, 23–13b)						X			X			X			X
3.f.	Pneumatic System Engine Driven Pump - Pressure Indicators	Condition and security. (Card 23–13c)						X			X			X			X
3.g.	Pneumatic System Engine Driven Pump - Mounting Plate	Condition and security. (Cards 22–17c, 23–13e)						X			X			X			X
3.h.	Pneumatic System Engine Driven Pump - Automatic Water Drains	Security. (Card 29–14)									X						X
3.i.	Pneumatic System Engine Driven Pump - Filters	Remove and install new filter. Leak check. (Cards 15–13, 16–07, FUN–D1b)					X		X		X		X		X		X
3.j.	Pneumatic System Engine Driven Pump - Pipes	Condition; connections for security, flexible hoses for condition. (Cards 22–17d, 27–03, 28–03)						X			X			X			X
3.k.	Pneumatic System Engine Dry Air Pump	Functional test. (Pressure test with engine running). (Card FUN–D1c)					X		X		X		X		X		X

PART 1 BASIC INSPECTION - 36

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
4.	Pneumatic System Vacuum Operated (Mod 6/1046)																
4.a.	Pneumatic System Vacuum Operated - By-pass Valve	Condition and security. (Card 30–02)									X						X
4.b.	Pneumatic System Vacuum Operated - Suction Relief Valve	Condition and security. (Card 30–02)									X						X
4.c.	Pneumatic System Vacuum Operated - Air Ejectors	Condition and security. (Card 30–02)									X						X
4.d.	Pneumatic System Vacuum Operated - Low Pressure Warning Switch	Condition and security. (Card 30–02)									X						X
4.e.	Pneumatic System Vacuum Operated - Emergency Instrument Vacuum Valve	Condition and security; ease of operation. (Card 23–04a)						X			X			X			X
4.f.	Pneumatic System Vacuum Operated - Pressure and Suction Indicators	Condition and security. (Card 23–04b)						X			X			X			X
4.g.	Pneumatic System Vacuum Operated - Pipes	Condition; connections for security, flexible hoses for condition. (Card 23–04c)						X			X			X			X
4.h.	Pneumatic System Vacuum	Operational test. (Engine running). (Card FUN–D2)					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
Chapter 44 – Cabin Systems																	
1.(1)	Passenger Address System (Mod SOO 6210) (Mod 6/2049)	Condition and security of mounting; cabin speakers for condition and security. (Cards 11–12, 11–12A)				X	X	X	X	X	X	X	X	X	X	X	X
1.(2)	Passenger Address System (Mod SOO 6210) (Mod 6/2049)	Inspect grounding of unit to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 11–12B)					X		X		X		X		X		X
2.(1)	NAT 245 PA Amplifier (Mod SOO 6210) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 17–18a)					X		X		X		X		X		X
2.(2)	NAT 245 PA Amplifier (Mod SOO 6210) (Mod 6/2049)	Inspect bonding of the mating surfaces between the NAT 245 PA amplifier mounting tray and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–18b)					X		X		X		X		X		X

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	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 52 – Doors																	
1.	Flight Compartment - RH and LH Doors	Condition, security and corrosion; seals for condition and security. (Card 22–09)						X			X			X			X
1.a.	Flight Compartment - RH and LH Doors - Hinges and Locks	Condition, security and corrosion; freedom of operation and proper locking. Lubricate. Clean as required. (Card 08–15)				X	X	X	X	X	X	X	X	X	X	X	X
1.b.	Flight Compartment - RH and LH Doors (Mod 6/2024)	Inspect the RH and LH doors to airframe for bonding (< 10 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–3b)					X		X		X		X		X		X
2.	Cabin RH and LH Doors	Condition, security and corrosion; seals for condition and security. (Card 24–05)						X			X			X			X

PART 1 BASIC INSPECTION - 52

	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
2.a.	Cabin RH and LH Doors - Hinges and Locks	Condition, security and corrosion; freedom of operation and proper locking; lubricate. Witness marks for correct alignment. Close cabin LH rear cargo door and position both lower and upper latches in locked condition. Check each latch pin makes positive engagement with door frame holes. In addition check lower latch pin remains positively engaged when the locked latch is lifted to the top of its vertical play. Clean as required. (Card 10–07)				X	X	X	X	X	X	X	X	X	X	X	X
2.b.	Cabin RH and LH Doors (Mod 6/2024)	Inspect the RH and LH doors to airframe for bonding (< 10 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–26)					X		X		X		X		X		X
3.	Airstair Door	Condition, security and corrosion; seals for condition and security. Extension step for condition and security. (Card 24–06)						X			X			X			X
3.a.	Airstair Door - Hinge and Lock	Condition, security and corrosion; freedom of operation and proper locking. Lubricate. Clean as required. (Card 10–06)				X	X	X	X	X	X	X	X	X	X	X	X
3.b.	Airstair Door - Handrail and Spring	Condition, security; proper stowage; spring for security and operation. (Card 24–06)						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
3.c.	Airstair Door - Cables	Condition, security of attachment; protective cable covers for tears and deterioration. (Card 24–06)						X			X			X			X
3.d.	Airstair Door Restraint Unit (Mod SOO 6114 and Mod 6/1606)	Condition, security of attachment and smooth movement of operation. (Card 24–06)						X			X			X			X
3.e.	Airstair Door (Mod 6/2024) (Mod 6/2295)	Inspect the airstair door to airframe for bonding (< 10 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–27)					X		X		X		X		X		X
3.f	Airstair Door - Inner Handle Guard Assy (Mod 6/2326) (Mod 6/2386)	Condition, check spring engagement against the inner handle; ensure the guard assembly is in contact with the handle. Replace damaged springs as required. (Card 10–06A)				X	X	X	X	X	X	X	X	X	X	X	X
4.	Flight Compartment to Cabin Sliding Door	Condition, smooth operation and security. Stops for wear and security; magnetic catch for proper operation. Clean as required. (Card 30–10)									X						X

PART 1 BASIC INSPECTION - 52

	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
5.	Baggage Compartment Doors	Condition, security and corrosion; seals for condition; door handle and lock or latches for condition and proper operation. Clean as required. (Card 24–07)						X			X			X			X
5.a.	Baggage Compartment Doors - Hinges, Stays and Latch Assemblies	Hinges for condition, corrosion and freedom operation; stays for condition of fasteners and security in stowed position, latches or door handle and lock for proper operation. Lubricate. (Cards 08–16, 10–08)				X	X	X	X	X	X	X	X	X	X	X	X
5.b.	Baggage Compartment Doors - Door Lock	Latch for condition, security and proper operation. (Card 22–02)						X			X			X			X
5.c.	Baggage Compartment Doors - Aft (Mod 6/2024)	Inspect the aft baggage compartment door to airframe for bonding (< 10 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–25)					X		X		X		X		X		X
5.d.	Baggage Compartment Door - Fwd (Mod 6/2020) (Mod 6/2161)	Inspect the forward baggage compartment door to airframe for bonding (< 10 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–1b)					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
6.(1)	Cabin Escape Hatch Doors	Condition, corrosion and security. (Card RA–INT–02)	X														
6.(2)	Cabin Escape Hatch Doors	Proper operation; seals for condition and security. (Card 04–03)			X												
7.(1)	Cabin Roof Escape Hatch	Condition and security. (Card 11–17)				X	X	X	X	X	X	X	X	X	X	X	X
7.(2)	Cabin Roof Escape Hatch	Proper operation; seals for condition and security. Use special tool No. SD3103 to install hatch and seal. (Card 32–15)									X						X
8.	Inward Opening Cargo Door (SOO 6169)	Condition and security. Hinges for condition and freedom of operation. Lubricate. Retaining strap for security and fraying. (Card 10–06)				X	X	X	X	X	X	X	X	X	X	X	X

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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 53 – Fuselage																	
1.(1)	Fuselage - External Structure	Condition; drain holes for obstructions. (Card RA–EXT–06)	X														
1.(2)	Fuselage - External Structure	Skins for dents, scores, fretting and cracks. Fasteners for security. (Card 17–07)					X		X		X		X		X		X
2.	Fuselage - Access and Inspection Panels	Condition and security; fasteners for condition, security and proper operation. Fiberglass panels for cracks and delamination. Except MLG leg fairings. (Card 29–13)									X						X
3.	Fuselage - Radome	Condition, cracks, delamination and security. (Card 15–05a)					X		X		X		X		X		X
3.a.	Fuselage - Radome (Mod 6/2005)	Inspect nose baggage compartment to radome joint diverter strips (qty 4) for electrical bonding (< 10 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–5b)					X		X		X		X		X		X

PART 1 BASIC INSPECTION - 53

	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
4.	Fuselage Frames at Station 219 and Station 239 at Mainleg/Platen Link Attachment	Condition, cracks, corrosion and security. **Note** **Pay particular attention to immediate areas around bolt holes and bearings, where visible, and along attachment and pickup fittings mating edges. Evidence of corrosion at areas indicated above requires removal of bolts for internal examination of holes and condition of bolts; evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required. Also see Part 3, Figure 9.** (Card 24–11)							X				X				X
4.a.	DELETED																
4.b.	Fuselage Frame at Station 239.88	At floor level interface frame attachment areas for condition and corrosion. Clean as required. (Card 32–21)									X						X
5.(1)	Fuselage - Internal Structure	Cabin and flight compartment bulkheads for condition. Equipment stowage and brackets for security. (Card 32–03)									X						X
5.(2)	Fuselage - Internal Structure	Radio equipment racks for cracks, buckling, and corrosion. Clean as required. (Cards 15–12, 18–11)					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
5.(3)	Fuselage - Internal Structure	Nose and rear baggage compartments for condition, equipment shelves for cracks, buckling and corrosion. Clean as required. In addition, when Mod 6/2020 or Mod 6/2160 is installed, at STA 44.0 Nose Attachment, pay particular attention for corrosion to the exterior aluminum joint straps and fasteners common to the carbon nose. (Cards 15–01a, 18–10)					X		X		X		X		X		X
5.(4)	Fuselage - Internal Structure	Fuel gallery structure for corrosion. (Card 17–05)					X		X		X		X		X		X
5.(5)	Fuselage - Internal Structure (Mod 6/2408)	Inspect fuel gallery access panels and seals for damage. Repair or replace as required. (Card 17–05A)					X		X		X		X		X		X
5.(6)	Fuselage - Internal Structure (SOO 6431)	Nose baggage bulkhead at STA 15.45 for condition, security and corrosion between aluminum brackets and fasteners attached to carbon nose. (Card 15–05h)					X		X		X		X		X		X
5.(7)	Fuselage - Internal Structure (SOO 6431)	Cargo tie-down U-bolts on STA 15.45 bulkhead for condition and security. (Card 15–05i)					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
6.(1)	Fuselage - Cabin Floor Panels	Condition, delamination, corrosion and security. Clean as required. **Note** **If cabin floor panels are severely damaged, remove panels and inspect supporting structure for damage, buckling and cracks.** (Card 04–08)			X												
6.(2)	Fuselage - Cabin Floor Panels, Side Panels, Rear Baggage Compartment	Cargo tie-down ring locations and rings for condition and security. (Card 04–08)			X												
6.a.	Fuselage - Sub Floors (Fuel Cells)	Condition and corrosion (remove cabin floor panels for access). Install floor panels when completed. (Card 32–01)									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
7.	Fuselage Frame (Wing Attachment) Lugs at Station 239.88	Condition, cracks, corrosion. Fasteners for security. **Note** **Pay particular attention to immediate area around bolt holes and bearings, where visible, and along attachment and pickup fittings mating edges. Evidence of corrosion at areas indicated above requires removal of bolts for internal examination of holes and condition of bolts; evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required.** (Cards 28–24, 27–24)						X			X			X			X
8.	Wing to Fuselage Attachment Bolts or Rear Spar Pins if Modified to 6/1752 and 6/1881	Remove forward and aft attach bolts or wing rear spar to fuselage pins (Mods 6/1752 and 6/1881), if incorporated, for wear, fretting and corrosion, bushings for wear and security. Install serviceable bolts or rear spar pins as modified. (Card SP2–D10)				Every 2.5 years											

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	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
9.	Fuselage - Nose Gear Lower Attachment Fittings	Condition, corrosion, cracks and fasteners for security. **Note** **Pay particular attention to immediate area around bolt holes and bearings, where visible, and along attachment and pickup fittings mating edges. Evidence of corrosion at areas indicated above requires removal of bolts for internal examination of holes and condition of bolts; evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required.** (Card 29–02)									X						X
10.	Fuselage - Nose Cap Backup Structure (Pre Mod 6/2020)	Condition, corrosion, fasteners for security. (Card 29–01)									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
11.	Aft Fuselage Vertical/Horizontal Stabilizer Frame Adapter Plates																
11.a.	Aft Fuselage Vertical/Horizontal Stabilizer Frame Adapter Plates (Pre Mods 6/1843, 6/1844, 6/1845 and 6/1846) **PART A**	Where accessible examine each adapter plate and adjacent structure for corrosion, cracks and fasteners for security. Remove barrel nuts one at a time and visually inspect each barrel nut recess hole for condition and corrosion, install barrel nuts if condition is acceptable. Apply water displacement corrosion inhibitor (T9 or equivalent) to bolt heads and barrel nuts after torquing bolts. **Note** **Refer to Service Bulletin No. 6/454, Part A.** (Card 33–01b)									X						X

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	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
11.b.	Aft Fuselage Vertical/Horizontal Stabilizer Frame Adapter Plates (Pre Mods 6/1843, 6/1844, 6/1845 and 6/1846) **PART B**	Remove vertical and horizontal stabilizers from fuselage and four location fittings installed on top rib surface for access to adapter plates. Inspect aft fuselage attachment adapter plates of vertical and horizontal stabilizers for cracks, corrosion and fasteners for security. **Note Refer to Service Bulletin No. 6/454, Part B.** Install vertical and horizontal stabilizers. Examine adapter plates. Refer to Basic Inspection -55, items 2a., 2b., 2c. and 3b. and pay particular attention to 3b., Notes 1 and 2. (Card SP2–F3)				**Every 6,000 hours or 5 years whichever occurs first**											
11.c.(1)	Aft Fuselage Vertical Stabilizer Adapter Plates (Mods 6/1843, 6/1844, 6/1845 and 6/1846)	Where accessible, examine each frame adapter plate and adjacent structure for condition and corrosion in upper frame area and fasteners for security. (Card 33–01)									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
11.c.(2)	Aft Fuselage Vertical Stabilizer Adapter Plates (Mods 6/1843, 6/1844, 6/1845 and 6/1846)	Where accessible, examine each adapter plate and adjacent structure for condition in upper frame area and fasteners for security. Remove barrel nuts one at a time and visually inspect each barrel nut recess hole for condition and corrosion, install barrel nuts if condition is acceptable. Apply water displacement corrosion inhibitor (Bo-shield T9 or equivalent) to bolt heads and barrel nuts after torquing bolts. (Card SP2–F4)				Every 6,000 hours or 5 years whichever occurs first											
12.	Fuselage Fwd Spar Beam Station 200 Adapter Plate (Pre Mod 6/1189)	Condition, cracks, fasteners for security. (Cards 20–16, 21–15)					X		X		X		X		X		X
12.a.	Fuselage Fwd Spar Beam Station 200 Adapter Plate (Mod 6/1189)	Condition, cracks, fasteners for security. (Card 31–01e)									X						X
13.	Fuselage Side Frames Stations 218/219 (Pre Mods 6/1461 and 6/1462) **Airworthiness Directive T.C. CF-78-17 F.A.A. 97-23-09**	Condition, corrosion, cracking and fasteners for security. **Note** **Refer to Service Bulletin No. 6/371 and A.D., if applicable.** (Card SP2–F1)				Every 1,200 hours or 6 months whichever occurs first											
14.	Fuselage Frame Station 219 Lug (Wing Strut)	Condition, corrosion, fretting and bush for security. (Card 31–01b)									X						X

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	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
15.	Wing Strut Beam at Upper and Lower Ends and Upper Link	Condition, corrosion, bush for security. (Card 31–01c)									X						X
16.	Fuselage Fwd Spar Beam Station 200 Box Structure	Condition, corrosion and fasteners for security. (Card 31–01d)									X						X
17.	Fuselage Under Floor at Bays 9 and 10 with Air Conditioner Unit Installed **Airworthiness Directive T.C. CF-71-11 F.A.A. 71-14-05**	Condition of sealant around frame perimeter at Station 281 to floor boards and adjacent stringer areas. (Card 32–20)									X						X
18.	Elevator Bellcrank and Hyd. Hand Pump Attach Structure (Mod 6/1594)	Condition, security and cracking. (Card 22–21)						X			X			X			X
18.a.	Elevator Bellcrank and Hyd. Hand Pump Attach Structure (Pre Mod 6/1594) **Airworthiness Directive T.C. CF-77-05 F.A.A. 77-03-07 F.A.A. 93-02-04**	Condition, security and cracking. **Note** **Refer to Service Bulletin No. 6/348 and A.D., if applicable.** (Card SP2–F5)				**Every 200 Flight Hours**											

	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.(1)	Nose Baggage Compartment (Mod 6/2020) (Mod 6/2160)	Inspect nose baggage compartment of fuselage circumferential aluminum strap joint for electrical bonding (< 10 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–1c)					X		X		X		X		X		X
19.(2)	Nose Baggage Compartment (Mod 6/2020) (Mod 6/2160)	Inspect weather radar wiring metal conduit to airframe for electrical bonding (< 10 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–1d)					X		X		X		X		X		X
19.(3)	Nose Baggage Compartment (Mod 6/2020) (Mod 6/2160)	Ensure bonding jumpers have no sign of corrosion; braid damage such as kinks, fretting or fraying, cracked or broken terminal ends. (Card 15–1e)					X		X		X		X		X		X
19.(4)	Nose Baggage Compartment (Mod 6/2020)	Verify the HIRF covers are installed. All fasteners must be engaged. Replace if required. (Card RA–INT–9)	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 Equipment Shelves (Mod 6/2005)	Inspect fwd avionics equipment shelves to airframe for electrical bonding (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15–1f)					X		X		X		X		X		X
20.(2)	Fwd Avionics Equipment Shelves (Mod 6/2005)	Ensure bonding jumpers have no sign of corrosion; braid damage such as kinks, fretting or fraying, cracked or broken terminal ends. (Card 15–1g)					X		X		X		X		X		X
21.(1)	Aft Avionics Equipment Shelves (Mod 6/2048)	Inspect aft avionics equipment shelves to airframe for electrical bonding (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–10A)					X		X		X		X		X		X
21.(2)	Aft Avionics Equipment Shelves (Mod 6/2048)	Ensure bonding jumpers have no sign of corrosion; braid damage such as kinks, fretting or fraying, cracked or broken terminal ends. (Card 18–10B)					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
Chapter 54 – Nacelles																	
1.(1)	Nacelle	Condition. (Card RA–EXT–06)	X														
1.(2)	Nacelle	Corrosion and cracks. (Cards 27–07, 28–08)						X			X			X			X
1.a.	Nacelle Fairings (Mod 6/2021)	Inspect the left and right nacelle fairings to airframe for bonding (< 10 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 17–17)					X		X		X		X		X		X
2.	Firewall	Condition, buckling, cracks and fasteners for security. (Cards 34–09, 35–09)									X						X
3.	Lower Longeron at following Locations:																
3.a.	Lower Longeron - Forward Engine Mount Fittings	Condition, corrosion and fasteners for security. (Cards 40–14a, 41–14a)				X	X	X	X	X	X	X	X	X	X	X	X
3.b.	DELETED																

	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
3.c.	Lower Longeron - Forward of and at intersection of Wing	Condition, cracks, corrosion and fasteners for security. **Note** **Pay particular attention to immediate areas around fastener holes, where visible, and along attachment and pickup fittings mating edges for corrosion. Areas indicated above may require removal of fasteners and fittings for further inspection and treatment as required.** (Cards 40–14c, 41–14c)				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
Chapter 55 – Stabilizers																	
1.(1)	Stabilizer - External	Leading edge skin for condition, drain holes for obstruction. (Card RA–EXT–06)	X														
1.(2)	Stabilizer - External	Skins for dents, scores, abrasions corrosion, cracks and buckling and fasteners for security. (Card 26–02)						X			X			X			X
1.a.	Stabilizer - Internal	Condition, corrosion, cracks, buckling and fasteners for security. (Card 26–01)						X			X			X			X
2.	Horizontal Stabilizer																
2.a.	Horizontal Stabilizer - Fwd/Aft Attach Brackets (Pre Mods 6/1808 and 6/1809) **Airworthiness Directive T.C. CF-92-04 T.C. CF-83-21 F.A.A. 83-26-05**	Condition, cracks and corrosion. **Note** **Refer to Service Bulletin Nos. 6/438 and 6/513, and A.D., if applicable.** (Cards 19–06, SP2–E3)				**Every 800 hours or 8 months whichever occurs first**												

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	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
2.b.	Horizontal Stabilizer - Fwd/Aft Attach Brackets (Mods 6/1808 and 6/1809 (Retrofitted) with Mods 6/1855 and 6/1856) **Airworthiness Directive** **T.C. CF-92-04** **T.C. CF-85-10** **F.A.A. 86-15-08** **F.A.A. 95-22-07**	Condition, loose brackets. **Note** **Refer to Service Bulletin Nos. 6/438, 6/475 and 6/513, and A.D., if applicable.** (Cards 19–06, SP2–E3)				**Every 800 hours or 8 months whichever occurs first**											
2.c.	Horizontal Stabilizer - Fwd/Aft Attach Production Brackets (Mods 6/1808 and 6/1809 or Brackets installed to Mods 6/1890, 6/1891 and 6/1892)	Condition and fasteners for security. **Note** **Mods refer to In-service retrofit of fasteners.** (Card 26–5h)							X				X				X
2.d.	Horizontal Stabilizer - Center Hinge Arm (Pre Mod and Mod 6/1341) **Airworthiness Directive** **T.C. CF-92-05** **F.A.A. 92-14-22**	Condition, corrosion, fasteners for security, bearing for condition and flange for fatigue cracks. **Note** **Refer to Service Bulletin No. 6/512 and A.D. for all Center Hinge Arms regardless of material Mod change.** (Cards 26–05b, SP2–E4)				**Every 1200 hours**											

	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
2.e.	Horizontal Stabilizer - Outbd Hinge Arm and Adapter Plates (Pre Mods 6/1341 and 6/1799) **Airworthiness Directive T.C. CF-83-11 F.A.A. 83-18-03**	Condition, corrosion, cracking, fretting and bearing for condition. **Note** **Refer to Service Bulletin No. 6/421 and A.D., if applicable.** (Cards 26–05c, SP2–E5)					Every 1200 hours										
2.f.(1)	Horizontal Stabilizer - Mid Hinge Arm and Adapter Plate (Pre Mod 6/1341)	Condition, corrosion, galling and security. (Card 19–07)					X		X		X		X		X		X
2.f.(2)	Horizontal Stabilizer - Mid Hinge Arm and Adapter Plate (Mod 6/1341)	Condition, corrosion, security and bearing for condition. (Card 26–5i)							X				X				X
2.g.	Horizontal Stabilizer - Leading Edge Skin	Condition, dents, scores and fasteners for security (aft of de-icing boots (Mod SOO 6004) for surface corrosion). (Card 26–05f)						X			X			X			X
2.h.	Horizontal Stabilizer - Lower Skin	Skin between Stations 30.00 and 35.00 for cracks, condition, distortion and fasteners for security. (Card 26–05e)						X			X			X			X

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	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
2.i.	Horizontal Stabilizer - Rear Spar **Airworthiness Directive T.C. CF-74-04 F.A.A. 74-22-06**	At stabilizer center line for condition, cracks and distortion. **Note** **Refer to Service Bulletin No. 6/310 and A.D., if applicable.** (Card 26–05g)						X			X			X			X
2.j.	Horizontal Stabilizer - Front Spar	Between attachment fittings for condition and fasteners for security. (Card 26–05g)						X			X			X			X
2.k.	Horizontal Stabilizer - Top Skin	Skin doubler beneath center pickup fitting for condition, cracking and fasteners for security. (Card 26–05d)						X			X			X			X
2.l.	Horizontal Stabilizer Attach Bolts (Pre Mod 6/1114 Aircraft) **Airworthiness Directive F.A.A. 67-28-03**	Condition, security and loss of bolt torque. **Note** **Refer to Service Bulletin No. 6/39 and A.D. for Pre Mod 6/1114, if applicable.** (Card SP2–E1)				**Every 7 flight hours**											
3.	Vertical Stabilizer																
3.a.	Vertical Stabilizer - Fwd/Aft Spar Adapter Plates (where visible) (Pre Mods 6/1841 and 6/1842) **PART A**	Cracks, corrosion and security. **Note** **Refer to Service Bulletin No. 6/454 for Part A.** (Card 26–11)							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
3.b.	Vertical Stabilizer - Fwd/Aft Spar Adapter Plates (Pre Mods 6/1841 and 6/1842) **PART B**	Remove Vertical Stabilizer from aft fuselage: inspect adapter plates and adjacent structure for condition, corrosion and security. Install Vertical Stabilizer. **Note 1. During inspection of vertical Stabilizer, when installed on fuselage, remove attachment bolts one at a time; dye penetrant bolt holes for corrosion and cracking; apply zinc chromate to bolt holes and barrel nut bores in aft fuselage adapter plates before installing each bolt; apply water displacement corrosion inhibitor (Bo-shield T9 or equivalent) to bolt heads and barrel nuts after torquing bolts.** **Note 2. Pay particular attention to fwd and aft spar adapter plates and spar frame webs, including adjacent structure and bolt holes where visible for evidence of corrosion. Corrosion around bonding wires where fitted will necessitate cleaning and priming of affected areas as applicable.** **Note 3. Refer to Service Bulletin No. 6/454 for Part B.** (Card SP2–E6)					Every 6000 flight hours or 5 years whichever occurs first								X

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	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
3.c.(1)	Vertical Stabilizer - Fwd/Aft Spar Adapter Plates (Mods 6/1841 and 6/1842)	Where accessible for condition and security. Check bolt torque. (Card 33–04c)									X						X
3.c.(2)	Vertical Stabilizer - Fwd/Aft Spar Adapter Plates (Mods 6/1843, 6/1844, 6/1844, 6/1845, and 6/1846)	Stabilizer bolts are to be withdrawn, one at the time, to examine the aft fuselage adapter plate nut recess holes, including the vertical stabilizer spar adapter plate bolt holes. (Card SP2–E7)				Every 6000 flight hours or 5 years whichever occurs first												X
3.d.(1)	Vertical Stabilizer - Top Hinge Arm Adapter Fitting (Pre Mod 6/1339)	Condition, corrosion and security. (Card 26–06a)						X			X			X			X
3.d.(2)	Vertical Stabilizer - Top Hinge Arm Adapter Fitting (Mod 6/1339)	Condition, corrosion and security. (Card 33–04a)									X						X
3.e.(1)	Vertical Stabilizer - Mid Hinge Arm Adapter Fitting (Pre Mod 6/1340)	Condition, corrosion, cracking, fretting and security. (Card 26–06b)						X			X			X			X
3.e.(2)	Vertical Stabilizer - Mid Hinge Arm Adapter Fitting (Mod 6/1340)	Condition, corrosion and security. (Card 33–04b)									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
3.f.	Vertical Stabilizer - Elevator Position Transmitter Access Opening (Mod 6/2417)	Internal skin and reinforcement doublers for condition, corrosion, cracking, fretting and security. (Cards 26–01, 26–02)						X			X			X			X
4. 4.a.	Rudder Rudder Skins	Condition, dents, scores, buckling, leading edge skin silicon aerodynamic seal for condition and security, fasteners for security. (Card 26–7a)						X			X			X			X
4.b.	Rudder - Lower Hinge Arm (Pre Mod and Mod 6/1340)	Condition, corrosion and security. Bearing for condition. Replace worn bearing. **Note** **As bearing deterioration results in rudder drop, this bearing must be replaced when wear is noted. A gap dimension between lower hinge arm housing and rudder hinge arm bearing support plate of 0.058 inch (1.47 mm) will indicate that bearing manufacture's axial service limit has been reached. A smaller gap dimension requires bearing to be replaced at earliest opportunity available.** (Card 26–07b)						X			X			X			X

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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
4.c.(1)	Rudder - Mid/Upper Hinge Arms Adapter Fittings (Pre Mod 6/1340)	Condition, corrosion, cracking and security. (Card 26–07c)						X			X			X			X
4.c.(2)	Rudder - Mid/Upper Hinge Arms Adapter Fittings (Mod 6/1340)	Condition, corrosion, cracking and security. (Cards 33–05c, 33–05d)									X						X
4.d.(1)	Rudder - Mid/Upper Hinge Arm (Pre Mod 6/1339)	Condition, security, corrosion, cracking and bearing for security. (Card 26–07d)						X			X			X			X
4.d.(2)	Rudder - Mid/Upper Hinge Arm (Mod 6/1339)	Condition, security, corrosion, cracking and bearing for security. (Cards 33–05a, 33–05b)									X						X
4.e.	Rudder - Rear Spar Tab Hinge	Condition, corrosion and freedom of movement. Lubricate. (Card 26–07g)						X			X			X			X
4.f.	Rudder - Mass Balance Weights	Mass balance weight for condition and security. Move rudder vigorously to detect movement of internal weights. (Card 26–07e)						X			X			X			X
4.g.	Rudder Trim and Gear Tabs	Skins for condition dents, scores, buckles and fasteners for security, hinges for condition, corrosion, security and freedom of movement. Lubricate. (Card 26–07f)						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
4.h.	Rudder Trim and Gear Tab Hinge Arms	Hinge arms for condition and security, connecting hinge arm bolts for safety and security. (Card 05–01)			X												
5.	Elevator																
5.a.(1)	Elevator Skins **Airworthiness Directive** **T.C. CF-67-07** **T.C. CF-67-08** **T.C. CF-68-09** **FAA 67-33-02**	Condition, buckling and fasteners for security. **Note Refer to Service Bulletin No's. 6/65, 6/68 and 6/69 and A.D. for (Pre Mod's 6/1142, 6/1134 and 6/1135) aircraft Serial No's. 001 to 105, if applicable.** (Card RA–EXT–04)	X														
5.a.(2)	Elevator Skin Mod Standard	Condition, fasteners for security, leading edge skin silicon aerodynamic seal for adhesion and security, tab hinge for condition and corrosion. Lubricate tab hinge. (Card 26–08a)						X			X			X			X
5.b.(1)	Elevator - Mid/Outer Hinge Arm Adapter Fitting (Pre Mod 6/1342)	Condition, cracks, corrosion, fretting wear and security. (Card 26–08b)						X			X			X			X
5.b.(2)	Elevator - Mid/Outer Hinge Arm Adapter Fitting (Mod 6/1342)	Condition, cracks, galling, wear and security. (Cards 33–06c, 33–06d)									X						X

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	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
5.c.(1)	Elevator - Root Rib (Pre Mod 6/1769) **Airworthiness Directive T.C. CF-82-21 F.A.A. 81-10-11**	Condition, cracking and security. **Note Refer to Service Bulletin No. 6/399 and A.D., if applicable.** (Card SP2–E2)				Every 600 flight hours											
5.c.(2)	Elevator - Root Rib (Mod 6/1769)	Condition and security. (Card 33–06e)									X						X
5.d.	Elevator - Torque Tube	Condition, corrosion and security of fasteners. **Note Evidence of corrosion around bolt holes requires removal of bolts for internal examination of holes and condition of bolts. Evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required.** (Card 26–08g)						X			X			X			X
5.e.	Elevator - Balance Weight Housing	Security and corrosion. (Card 26–08h)						X			X			X			X
5.f.	Elevator - Trim/Gear Tab Hinge Adapter	Condition, security, corrosion and freedom of movement. (Card 26–08f)						X			X			X			X
5.g.(1)	Elevator - Mid Hinge Arm (Pre Mod 6/1342)	Security, corrosion and bearing for condition. (Card 26–08c)						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
5.g.(2)	Elevator - Mid Hinge Arm (Mod 6/1342)	Security, corrosion and bearing for condition. (Card 33–06a)									X						X
5.h.(1)	Elevator - Outer Hinge Arm (Pre Mods 6/1342 and 6/1799) **Airworthiness Directive T.C. CF-83-11 F.A.A. 83-18-03**	Condition, corrosion, fretting, cracking and bearing for condition. **Note** **Refer to Service Bulletin No. 6/421 and A.D., if applicable.** (Cards 26–08d, SP2–E5)				**Every 1200 hours**											
5.h.(2)	Elevator - Outer Hinge Arm (Mods 6/1342 and 6/1799)	Condition, security and bearing for condition. (Card 33–06b) **Note** **All Hinge Arms Pre and Post Mods 6/1342 and 6/1799.** **Evidence of corrosion around bolt holes requires removal of bolts for internal examination of holes and condition of bolts. Evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required.**									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
5.i.	Elevator Trim and Interconnect Tabs	Skins for condition, dents, score, buckles and fasteners for security, hinge for condition, corrosion, security and freedom of movement. Lubricate. (Card 26–08e)						X			X			X			X
5.j.	Elevator Trim and Interconnect Tab Hinge Arms	Hinge arms for condition and security, connecting hinge arm bolts for safety and security. (Card 05–01)			X												
6.	Bonding Wires	Condition, fraying and security of attachment. Clean as required. (Card 26–03)						X			X			X			X
7.	Fairings, Access Covers, Inspection Panels	Condition, proper fit and security. Fasteners for condition, proper operation and security. Fiberglass panels for condition, cracks and delamination. (Card 33–02)									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
Chapter 56 – Windows																	
1.	Flight Compartment																
1.a.(1)	Flight Compartment - Windshield	Signs of leakage. Clean as required. (Card RA–EXT–16)	X														
1.a.(2)	Flight Compartment - Windshield	Condition, crazing, and security; retaining strips for condition and security of attachment. (Card 15–03a)					X		X		X		X		X		X
1.b.	Flight Compartment - Cockpit Door Window	Condition, crazing, and security; retaining strips for condition and security of attachment. For SOOs 6320 or 6321 (if installed), inspect vent for condition and security of attachment. Replace if required. (Card 15–03a, 15–03b)					X		X		X		X		X		X
2.a.	Cabin, Door and Hatch Windows	Condition as required. (Card RA–EXT–17)	X														
2.b.	Cabin Windows	Condition, crazing and security. Inspect vents (SOO 6368) for condition and security of attachment. Replace if required. (Card 18–14)					X		X		X		X		X		X
2.c.	Cabin Door Windows	Condition, crazing and security. Inspect vents (SOO 6368) for condition and security of attachment. Replace if required. (Card 18–14)					X		X		X		X		X		X
2.d.	Cabin Side Escape Hatch Windows	Condition, crazing and security. (Card 18–14)					X		X		X		X		X		X

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SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
Chapter 57 – Wings																	
1.(1)	Exterior Surface	Condition, drain holes for obstruction. (Card RA–EXT–06)	X														
1.(2)	Exterior Surface	Dents, scores, abrasions and corrosion. (Cards 13–04, 14–04)				X	X	X	X	X	X	X	X	X	X	X	X
1.a.	Exterior Surface - Lower Wing Skin	At wing strut pickup area (Station 97.00 to 235.00) for cracks, buckling and security of rivets. (Cards 27–22, 28–23)						X			X			X			X
1.b.	Exterior Surface - Lower Wing Skin	Between stations 85.00 and 135.00 for corrosion, deterioration of fasteners including paint and primer loss from engine exhaust. (Cards 27–11, 28–12)						X			X			X			X
								or Every 2 years whichever occurs first									
1.c.	Exterior Surface - Upper Outboard Wing Skin	Between stations 147.00 and 210.00 for cracks, buckling and rivets for security. (Cards 27–21, 28–22)						X			X			X			X
1.d.	Exterior Surface - Upper Inboard Wing Skin	Between stations 85.00 and 135.00 for corrosion, deterioration of fasteners including paint and primer loss from engine exhaust. (Cards 27–12, 28–13)						X			X			X			X
								or Every 2 years whichever occurs first									
1.e.	Exterior Surface - Wing Main Spar Lug (Wing Strut Link)	Condition and corrosion, bush for security. (Cards 27–13, 28–14)						X			X			X			X

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	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
1.f.	Exterior Surface - Wing Leading Edge Skins **Airworthiness Directive T.C. CF-93-25**	Condition, dents, scores and fasteners for security. **Note** **Refer to Service Bulletin No. 6/517 and A.D., if applicable.** (Cards 13–09, 14–09)				X	X	X	X	X	X	X	X	X	X	X	X
1.g.	Exterior Surface - Wing Shroud Skins	Condition, dents, scores and fasteners for security. (Cards 13–09, 14–09)				X	X	X	X	X	X	X	X	X	X	X	X
2.	Wings - Nose Spar Adapter D Nose Section	Nose spar adapter D nose section for condition, corrosion and security, leading edge skin for condition, corrosion and security, hinges for condition and smooth operation of D nose leading edge cover, stay bar for condition and security of stowage. (Cards 27–01, 28–01)						X			X			X			X
3.(1)	Wing Tip Fairing	Condition. (Card RA–EXT–04)	X														
3.(2)	Wing Tip Fairing	Cracks, delamination and fasteners for security. (Cards 27–02, 28–02)						X			X			X			X
4.	Wing Strut																
4.a.(1)	Wing Strut Skins (where visible) **Airworthiness Directive T.C. CF-69-20 F.A.A. 68-26-02**	Condition, dents, scores and loose Jo-bolt fasteners. **Note** **Refer to Service Bulletin No. 6/342 and A.D., if applicable.** (Cards RA–EXT–07, SP2–D1)	X														

	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
4.a.(2)	Wing Strut Skins (where visible) **Airworthiness Directive T.C. CF-91-30 F.A.A. 97-07-10**	Condition, dents, scores and fasteners for security. **Note** **Refer to Service Bulletin No. 6/342 and A.D., if applicable.** (Cards 27–14, 28–15)						X			X			X			X
4.b.	Wing Strut Beam **Airworthiness Directive T.C. CF-85-14 F.A.A. 87-04-23**	Condition and beam flanges for corrosion. **Note** **Refer to Service Bulletin No. 6/474 and A.D., if applicable.** (Card SP2–D12)					**Every 6000 hours or 5 years whichever occurs first**										
4.c.(1)	Wing Strut Link (Pre Mod 6/1174)	Condition and corrosion, bush for security. (Card 24–01)						X			X			X			X
4.c.(2)	Wing Strut Link (Mod 6/1174)	Condition and corrosion, bush for security. (Cards 34–15, 35–15)									X						X
5.	Wing Strut and Strut Link Attachment Bolts	Remove wing struts upper and lower attachment bolts and strut link attachment bolt. Check bolt and bushing for wear and fretting. Inspect lower fuselage attachment bearing for free movement and wear. Install upper and lower attachment bolts. (Card SP2–D9)					**or Every 2.5 years whichever occurs first**				X						X
6.	Access and Inspection Panels	Proper fit and security; fasteners for condition, proper operation, fiberglass panels cracks and delamination. (Cards 34–10, 35–10)									X						X

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	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
7.(1)	Electrical Wiring and Connections	Where visible for condition and security. (Cards 13–07, 14–07)				X	X	X	X	X	X	X	X	X	X	X	X
7.(2)	Electrical Wiring and Connections	Wires for condition and connectors for security. Clean as required. (Cards 20–09, 21–08)					X		X		X		X		X		X
8.	Internal Structure (where accessible)	Condition, cracks, buckling and corrosion. (Cards 27–07, 28–08)						X			X			X			X
9.	Wing Fences	Condition and security. (Card RA–EXT–06)	X														
10.	Wing Rear Spar Cap (Pre Mod 6/1301) **Airworthiness Directive T.C. CF-73-03 T.C. CF-72-11 F.A.A. 73-05-03 F.A.A. 95-18-11**	Condition, cracking, bush and fasteners for security. **Note** **Refer to Service Bulletin No. 6/295 and A.D., if applicable.** (Cards 27–19, 28–20, SP2–D5)				**Every 1200 hours or 12 months whichever occurs first**												
10.a.	Wing Rear Spar Cap (Mod 6/1301)	Condition, cracking, bush and fasteners for security. (Cards 34–11, 35–11)									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
11.	Wing/Fuselage Forward Aluminum Adapters (Pre Mod 6/1887) **Airworthiness Directive** **T.C. CF-69-01** **T.C. CF-76-08** **T.C. CF-85-12** **F.A.A. 94-04-01**	Condition, cracks, corrosion and security. **Note 1. Pay particular attention to inside corner upper surface of forward lug at root radius. Inspect horizontal and vertical surfaces at this location using dye penetrant.** (Cards 13–08, 14–08, SP2–D3)				X	X	X	X	X	X	X	X	X	X	X	X
		Note 2. Refer to Service Bulletin Nos. 6/174 and 6/476, and A.D., if applicable.– If part numbers C6WM1133–1 or –2 are installed and have been reworked, adapters are inspected every 250 flight hours.			X												
11.a.	Wing/Fuselage Forward Steel Adapters (Mod 6/1887 and EO69080–1/2)	Condition and security. **Note Refer to TAB 678/6.** (Cards 34–02, 35–02)									X						X
12.	Wing Main Spar **Airworthiness Directive** **T.C. CF-87-02** **F.A.A. 94-08-10**	Main spar lower forward and aft cap angles and adjacent structure for exfoliation corrosion. **Note Refer to Service Bulletin No. 6/492 and A.D., if applicable.** (Card SP2–D11)				**Every 5 years**											
13.	Wing Main Hinge Arms																
13.a.	Wing Main Hinge Arms (Pre Mod 6/1334)	Cracks, wear and corrosion. (Cards 27–10, 28–11)						X			X			X			X

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	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.	Wing Main Hinge Arms (Mod 6/1334)	Cracks, wear and corrosion. **Note Pay particular attention to immediate areas around bolt holes and bearings, where visible, and along attachment and pickup fittings mating edges. Evidence of corrosion at areas indicated above requires removal of bolts for internal examination of holes and condition of bolts; evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required. Corrosion around bonding wires, where fitted, will necessitate cleaning and priming of affected areas, as applicable.** (Cards 34–03, 35–03)									X						X
14.	Flap Hinge Arm Attachment (Pre Mod 6/1335)	Condition, corrosion, cracking and security of Jo-bolt fasteners. (Cards 27–15, 28–16)						X			X			X			X
14.a.	Flap Hinge Arm Attachment (Mod 6/1335)	Condition, corrosion, cracking and security of Jo-bolt fasteners. (Cards 34–04, 35–04)									X						X
15.	Indb/Outb Foreflaps	Condition and drain holes for obstruction. (Card RA–EXT–04)	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
15.a.	Indb/Outb Foreflaps	Outboard and inboard foreflaps for condition, drain holes for obstruction, skins for dents, scores, corrosion and fasteners for security. (Cards 20–05, 21–04)					X		X		X		X		X		X
15.b.(1)	Inbd/Outbd Foreflap Hinge Arms (Pre Mods 6/1336 and 6/1349)	Condition, corrosion, security and bearing for condition. (Cards 27–16, 28–17)						X			X			X			X
15.b.(2)	Inbd/Outbd Foreflap Hinge Arms (Mods 6/1336 and 6/1349)	Condition, security and bearing for condition. (Cards 34–13, 35–13)									X						X
16.	Inbd Trailing Flap	Condition and drain holes for obstruction. (Card RA–EXT–04)	X														
16.a.	Inbd Trailing Flap (Pre Mod 6/1556)	Condition, skins for cracks and fasteners for security. **Note** **Refer to Service Bulletin No. 6/345.** (Cards 06–04, 07–04)			X												
16.b.	Inbd Trailing Flap (Mod 6/1556)	Condition, drain holes for obstruction, skins for dents, scores, corrosion, cracks and fasteners for security. (Card SP2–D2)				**Every 400 hours**											
16.c.(1)	Inbd Trailing Flap Hinge Arms (Pre Mod 6/1337)	Condition, corrosion, security and bearings for security. (Cards 27–17, 28–18)						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
16.c.(2)	Inbd Trailing Flap Hinge Arms (Mod 6/1337)	Condition, security and bearings for security. (Cards 34–14, 35–14)									X						X
17.	Aileron	Condition. (Card RA–EXT–04)	X														
17.a.	Aileron - Leading Edge and Adjacent Surface Areas Including Tail Skins	Condition, dents, corrosion, scores, abrasion and fasteners for security. (Cards 20–03, 21–03)					X		X		X		X		X		X
17.b.(1)	Aileron - Hinge Arms (Pre Mod 6/1348)	Condition, corrosion, security and bearings for security. (Cards 27–18, 28–19)						X			X			X			X

	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
17.b.(2)	Aileron - Hinge Arms (Mod 6/1348)	Condition, corrosion, security and bearings for security. **Note** **Pre and Post Mod 6/1348, pay particular attention to immediate areas around bolt holes and bearings, where visible, and along attachment and pickup fittings mating edges. Evidence of corrosion at areas indicated above requires removal of bolts for internal examination of holes and condition of bolts; evidence of internal corrosion will necessitate disengaging fitting for further inspection and treatment as required. Corrosion around bonding wires, where fitted, will necessitate cleaning and priming of affected areas, as applicable** (Cards 34–08, 35–08)								X						X
17.c.	Aileron - Mass Balance Weights (Pre Mod 6/1104) **Airworthiness Directive T.C. CF-68-05**	Condition, corrosion and security. **Note** **1. Under balance condition occurring with early Ailerons.** **Note** **2. Refer to Service Bulletin No. 6/100 and A.D. for aircraft 001 to 115, if applicable.** (Cards 34–05, 35–05)									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
17.d.	Aileron - Mass Balance Weight Retention Channel	Condition, corrosion and security. **Note Refer to Service Bulletin No. 6/507. See Corrosion Program.** R/H wing (Card No. Year 3 of 5) L/H wing (Card No. Year 2 of 5)					Every 5 years										
17.e.	Aileron Trim/Gear Tab Hinge Adapter	Condition, corrosion, security and freedom of movement. Lubricate. (Cards 20–12, 21–11)					X		X		X		X		X		X
18.	Aileron Bellcrank Channel Structure	Condition, fasteners for security, bearings for freedom of operation and security. (Cards 20–06, 21–05)					X		X		X		X		X		X
19.	Aileron Trim and Gear Tabs																
19.a.	Trim/Gear Tab Skins	Condition and security of fasteners. (Cards 20–13, 21–12)					X		X		X		X		X		X
19.b.	Tab Hinge (on tab)	Condition, corrosion, wear and freedom of movement. (Cards 20–13, 21–12)					X		X		X		X		X		X
19.c.	Tab Hinge Arms	Condition, security and corrosion. (Cards 20–13, 21–12)					X		X		X		X		X		X
20.	Inbd/Outbd Foreflap Pushrod Fork Attachment	Corrosion and security of attachment. (Cards 20–17, 21–16)					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
21.	Aileron and Flap Bellcranks	Corrosion and security; bearings for condition. Clean as required. (Cards 27–09, 28–10)						X			X			X			X
22.(1)	Wing Flap, Aileron Hinge Arms and Connecting Link Attaching Bolts Wing Main Hinge Arms	Safety and security. (Cards 06–05A, 07–05A)			X												
22.(2)	Wing Flap, Aileron Hinge Arms and Connecting Link Attaching Bolts Wing Main Hinge Arms	Main wing hinge arms, bonding wire and bearings for condition and security, and attachment bolts for safety and security. **Note** **Includes inboard hinge location mounted to the fuselage side at STA 248.41.** (Cards 06–05B, 07–05B)			X												
23.	Wing Main Spar Lower Cap Angle/Doubler at Station 152 and 185 for Mod 6/1318 A/C	Condition and cracks. **Note** **Refer to Service Bulletin No. 6/268 and PSM 1-6-7, Part 3, Figures 6 and 7.** (Card SP2–D4)					**Every 1200 hours or 2400 flights whichever occurs first**										
24.	Lower Wing Skin at Station 185	Condition, corrosion and cracks. **Note** **Refer to Service Bulletin No. 6/362 or PSM 1-6-11.** (Card SP2–D6)					**Every 1200 hours or 2400 flights whichever occurs first**										
25.	Lower Wing Skin, Stringers and Aft Spar Flange from Wing Stations 122 to 263 (ribs 8 to 20)	Condition, corrosion and cracks. **Note** **Refer to PSM 1-6-11.** (Card SP2–D7)					**Every 1200 hours or 2400 flights whichever occurs first**										

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
26. Lower Wing Attachment Fitting at Wing Station 97.5	Inspect visible surfaces of inboard and outboard fittings, particularly around fastener holes. **Note 1. Fastener removal is not required.** **Note 2. Refer to PSM 1-6-11 and PSM 1-6-7, Part 3.** (Card SP2–D8)				**Every 2400 hours or 4800 flights whichever occurs first**											

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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 61 – Propellers																	
1.	Autofeather System																
1.a.	Autofeather System - Relay Box **Airworthiness Directive** **C.F. 73-04** **C.F. 73-09** **F.A.A. 73-19-01**	Security of mounting. Clean as required. **Note Refer to Service Bulletin No. 6/297 and A.D., if applicable.** (Card 32–09)									X						X
1.b.	Autofeather System - Limit Switches and Mechanism	Condition and security; wiring for condition and connectors for security. Clean as required. (Card 11–19)				X	X	X	X	X	X	X	X	X	X	X	X
1.c.	Autofeather System	Operational test on engine run-up. (Card FUN–C5a)				X	X	X	X	X	X	X	X	X	X	X	X
2.	Beta Range Back-up System																
2.a.(1)	Beta Range Back-up System - Control Box (Pre Mod 6/2014)	Condition and security of mounting. Clean as required. (Card 32–10)									X						X
2.a.(2)	Beta Range Back-up System - Control Box (Pre Mod 6/2014)	Hidden function check of relays K1 and K2. (Card FUN–G14)									X						X
2.b.(1)	Beta Range Back-up System - Limit Switches and Mechanism	Condition and security; wiring for condition and connectors for security. Clean as required. (Card 09–11)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 61

	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
2.b.(2)	Beta Range Back-up System - Limit Switches and Mechanism	Carbon block retaining pin for free movement. Lubricate. (Cards 36–13, 37–13)		X													
2.c.	Beta Range Back-up System - Beta System	Operational test on engine run-up. (Card FUN–C5b)				X	X	X	X	X	X	X	X	X	X	X	X
3.(1)	Overspeed Governor **Airworthiness Directive F.A.A. 70-16-01**	Condition, security and leakage. **Note Refer to A.D., if applicable.** (Cards 36–01, 37–01)		X													
3.(2)	Overspeed Governor **Airworthiness Directive F.A.A. 70-16-01**	Bench test at TBO. (Card SP2–G4)					**Every 4500 flight hours**										
4.(1)	Constant Speed Governor	Condition, security and leakage. (Cards 36–01, 37–01)		X													
4.(2)	Constant Speed Governor	Governor speed adjusting lever proper attachment to shaft. **Note Refer to TAB 635/4.** (Cards 44–05e, 45–05e)						X			X			X			X
4.(3)	Constant Speed Governor	Bench test at TBO. (Card SP2–G3)					**Every 3500 flight hours**										
5.(1)	Propeller **Airworthiness Directive F.A.A. 78-18-01 F.A.A. 83-08-01**	Oil leakage. (Card RE–01)	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
5.(2)	Propeller **Airworthiness Directive F.A.A. 78-18-01 F.A.A. 83-08-01**	Condition of spinner for dents and security; hub for grease or oil leakage. Propeller attach bolts for condition and security. **Note Refer to A.D., if applicable.** (Cards 40–04, 41–04)				X	X	X	X	X	X	X	X	X	X	X	X
5.(3)	Propeller **Airworthiness Directive F.A.A. 78-18-01 F.A.A. 83-08-01**	Remove for overhaul. Install serviceable unit. (Cards SP2–G6)				**Refer to Hartzell Service Letter HC-SL-61-61Y**											
5.a.(1)	Propeller - Blades, Spinner and Hub Parts **Airworthiness Directive F.A.A. 72-08-04 F.A.A. 74-14-01**	Condition, blades for nicks and cracks. Blend nicks out from leading edge. **Note Refer to A.D., if applicable.** (Cards 38–01, 39–01)			X												
5.a.(2)	Propeller - Blades, Spinner and Hub Parts	Condition, blades for freedom on hub pilot tubes by rocking slightly using counterweights as levers; grease blade clamps. (Cards 36–14, 37–14)		X													
6.	Tachometer Indicator (Pre Mod 6/2049)	Condition and security of installation. (Card 23–07c)						X			X			X			X
7.	Tachometer Generator	Condition and security of installation. (Cards 36–05, 37–05)		X													

PART 1 BASIC INSPECTION - 61

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.	Propeller Controls																
8.a.	Propeller Controls - Cables	Condition and security, fraying, corrosion and flattening; connections and fairleads for condition and security. Detailed visual inspection of cable terminals for signs of pits or cracks. (Cards 44–05a, 45–05a)						X			X			X			X
8.b.	Propeller Controls - Pulleys	Condition, freedom of operation and security. (Cards 44–05b, 45–05b)						X			X			X			X
8.c.(1)	Propeller Controls - Linkages	Condition and security. (Cards 42–07, 43–07)						X			X			X			X
8.c.(2)	Propeller Controls - Linkages	Levers, push-rod and reversing linkage for security. Springs for condition and security. Stops for security. (Cards 44–05c, 45–05c)						X			X			X			X
8.d.	Propeller Controls - Speed Control Teleflex Cable to Reverse Valve	Condition, kinks, smooth operation and security. (Cards 44–05d, 45–05d)						X			X			X			X
8.e.	Propeller Controls - Reset Limit Switch	Condition and security; wiring for condition and connectors for security. Clean as required. (Card 11–18)				X	X	X	X	X	X	X	X	X	X	X	X
8.f.	Propeller Controls - Reset Limit Switch (Pre Mod 6/1223)	Condition and security. Clean as required. (Card 18–04)					X		X		X		X		X		X
9.	Propeller Synchronizer System	Operational test on engine run-up. (Card FUN–C5d)				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
9.a.	Propeller Synchronizer System - Master Speed Pickup (LH Engine)	Condition and security. (Card 36–02)		X													
9.b.	Propeller Synchronizer System - Slave Speed Pickup (RH Engine)	Condition and security. (Card 37–02)		X													
9.c.	Propeller Synchronizer System - Control Box	Security of mounting. Clean as required. (Card 32–09)									X						X
9.d.	Propeller Synchronizer System - Speed Setting	Condition and security. (Cards 40–07, 41–07)				X	X	X	X	X	X	X	X	X	X	X	X
9.e.	Propeller Synchronizer System - Rod End Trimmer	Condition and security. (Cards 40–07, 41–07)				X	X	X	X	X	X	X	X	X	X	X	X
9.f.	Propeller Synchronizer System - Flexible Shaft	Flexible shaft rod end for security. (Cards 40–07, 41–07)				X	X	X	X	X	X	X	X	X	X	X	X
9.g.	Propeller Synchronizer System - Electrical Wiring and Connections	Condition and security. (Cards 40–07, 41–07)				X	X	X	X	X	X	X	X	X	X	X	X

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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 71 – Power Plant																	
1.	Intake Deflector System	Function test system. (Power on). (Card FUN–G10)									X						X
1.a.(1)	Intake Deflector System - Deflector	Clean as required. (Card RE–03)	X														
1.a.(2)	Intake Deflector System - Deflector Plate	Corrosion. Hinges for cracks, corrosion and security. (Cards 44–01, 45–01)						X			X			X			X
1.b.(1)	Intake Deflector System - Exit Door	Condition and security. (Cards 40–02a, 41–02a)				X	X	X	X	X	X	X	X	X	X	X	X
1.b.(2)	Intake Deflector System - Exit Door	Hinges for cracks and security. (Cards 44–01, 45–01)						X			X			X			X
1.c.	Intake Deflector System - Actuators	Condition, security and leakage. (Cards 40–02b, 41–02b)				X	X	X	X	X	X	X	X	X	X	X	X
1.d.(1)	Intake Deflector System - Locking and Release Levers	Condition and security. (Cards 40–02c, 41–02c)				X	X	X	X	X	X	X	X	X	X	X	X
1.d.(2)	Intake Deflector System - Release Lever Solenoids and Limit Switches	Condition and security. Clean as required. (Cards 40–02f, 41–02f)				X	X	X	X	X	X	X	X	X	X	X	X
1.e	Intake Deflector System - Air Control Valves	Condition, security and leakage; Pipes for condition and leakage. (Cards 40–02d, 41–02d)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 71

	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
1.f.	Intake Deflector System - Air Line Filters	Remove (Filters are at inlet and return ports of air control valves), inspect and install. (Cards 40–02g, 41–02g)					X		X		X		X		X		X
1.g.	Intake Deflector System - Cables and Linkage	Fraying, kinks and wear; connectors for security; rod ends and bearings for condition and security; linkage for condition. Brackets for condition. Detailed visual inspection of cable terminals for signs of corrosion pits and cracks. (Cards 40–02e, 41–02e)				X	X	X	X	X	X	X	X	X	X	X	X
1.h.	Intake Deflector System - Deflector Indicators	Condition and security; electrical wiring for condition, connectors for security. Clean as required. (Card 23–07g)						X			X			X			X
2.	Air Intake	Ducts for condition and security. (Cards 42–01, 43–01)						X			X			X			X
3.	Upper Cowling and Exhaust Duct Area	Condition and security when latched in position. (Cards 42–04, 43–04)						X			X			X			X
4.	Generator Cooling Duct	Condition and security. (Cards 46–02, 47–02)									X						X
5.	Engine Compressor Wash Spray Rings	Condition and security. (Cards 44–02, 45–02)						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
6.	Lower Cowlings	Condition, hinge for corrosion, latch mechanism for condition and proper operation, security when latched in position. (Cards 42–04, 43–04)						X			X			X			X
7.	Engine Fireseals	Condition and security. (Cards 36–06, 37–06)		X													
8.	Engine Mount (Nacelle)	Condition, corrosion, cracking and security. (Cards 42–03, 43–03)						X			X			X			X
8.a.(1)	Vibration Isolator	Condition, separation, corrosion, cracking and security. Conduct inspections for separations between metal plate and elastomer; must not exceed 1 inch length or 1/16 inch depth. Pay particular attention to corrosion and cracks at the base of the housing (P/N 7351256–2), right next to the edge of the cores (pucks). (Cards 42–03A, 43–03A)						X			X			X			X
8.a.(2)	Vibration Isolator	Replace bolts (vibration isolators to engine casing) and bolt (vibration isolator to nacelle). (Card SP2–G1)				AT EACH ENGINE CHANGE											X
8.a.(3)	Vibration Isolator	Accomplish overhaul check in accordance with Maintenance Manual. (Card SP2–G2.1)									X						X
9.(1)	Engine Drains (Pre Mod 6/1583)	Collector tank for condition security and leakage. (Cards 44–04, 45–04)						X			X			X			X

PART 1 BASIC INSPECTION - 71

	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
9.(2)	Engine Drains (Pre Mod 6/1583)	Overboard fuel drain for obstruction. (Card RA–EXT–08)	X														
10.	Engine External Pipes, Leads and Controls	Pipes for condition, security and leakage; controls for security and operation; clamps and brackets for condition; leads for condition and security. Clean as required. (Cards 36–22, 37–22)		X													
11.	Bonding Wires	Condition and security. (Cards 42–05, 43–05)						X			X			X			X
12.	Engine Waste Fuel Return Line Nacelle Area (Mod 6/1583)	Pipes for condition and connections for security and leakage. (Cards 44–07, 45–07)						X			X			X			X
13.	Engine Waste Fuel Return Line Devore System Wing Strut Area	Where visible for condition, leakage and connections for security. (Card 24–02)						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
Chapter 72 – Engine																	
Note	**For hot end inspection refer to Special Inspection Requirements Part 2.**																
1.	External Tubing	Condition and security; evidence of fuel and oil leakage. (Cards 36–07, 37–07)		X													
2.	Propeller Shaft Seals	Evidence of oil leakage. (Card RE–01)	X														
3.	Compressor Inlet and Screen	Clean as required. **Note** **If dirty screen warrants removal, check inlet for cleanliness.** (Card RE–04)	X														
4.	Gas Generator Case **Airworthiness Directive T.C. CF-76-06 T.C. CF-78-03 F.A.A. 75-06-01**	Condition, cracks, bulges and evidence of hot spots. **Note** **Refer to A.D. if applicable.** (Cards 36–08, 37–08)		X													
5.	Turbine Exhaust Interior (where visible)	Condition, cracks and distortion. (Cards 36–08, 37–08)		X													
6.	Exhaust Duct **Airworthiness Directive T.C. CF-2002-47**	Condition, deflector vanes for cracks, erosion and security. **Note** **Refer to A.D. if applicable.** (Cards 38–04, 39–04)			X												

PART 1 BASIC INSPECTION - 72

	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS											
				A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
7.	Power Section **Airworthiness Directive T.C. CF-76-25**	Condition and security. **Note Refer to A.D. if applicable.** (Cards 36–08, 37–08)		X													
8.	Engine Run	Engine performance check (data plate speed check) and operation of engine instruments. **Note An engine performance check should be accomplished: before and after hot end inspection; if Engine Condition Trend Monitoring (ECTM) or take-off performance indicates a possible problem; or after a component change which could affect performance or performance indication.**															

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 73 – Engine Fuel and Control																	
1.	Fuel Pump **Airworthiness Directive** **T.C. CF-69-17** **T.C. CF-80-14** **F.A.A. 69-23-06** **F.A.A. 80-08-12**	Security and evidence of fuel leakage. **Note** **Refer to A.D. if applicable.** (Cards 36–04, 37–04)		X													
1.a.	Fuel Pump - Filter Screen (Inlet)	Remove, inspect and install. Clean or replace as required. Leak check. (Power on). **CAUTION** **WHEN EVER ANY COMPONENT UP-STREAM OF THE FILTER IS REPLACED, CHECK SCREEN AFTER RUN-UP OR FIRST FLIGHT.** (Cards 36–15, 37–15, FUN–A4)		X													
1.b.(1)	Fuel Pump - Filter Screen (Outlet) PWC SB 1155	Remove, inspect and install. Clean or replace as required. Leak check. (Power on). (Cards 36–16, 37–16, FUN–A4)		X													
1.b.(2)	Fuel Pump - Filter Screen (Outlet) PWC SB 1155	Remove filter, install new filter. Leak check. (Cards 40–10, 41–10)				X	X	X	X	X	X	X	X	X	X	X	X
2.	Fuel Heaters	Condition, security and leakage. (Cards 44–06, 45–06)						X			X			X			X

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	SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS												
				A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
3.	Fuel Control Unit	Fuel Control Unit for condition, linkages, sense lines and heater for condition, security and leakage. (Cards 36–04, 37–04)		X													
4.	Fuel Flow Indicators (Pre Mod 6/2012)	Condition and security. (Card 23–07h)						X			X			X			X
5.	Fuel Flow Transmitters	Condition and security. (Cards 27–06, 28–07)						X			X			X			X
6.(1)	H.P. Fuel Filter (Mod SOO 6117) (S/B 6/247)	Remove element, inspect and install. Clean or replace as required. Leak check. (Power on). (Cards 36–17, 37–17, FUN–A3)		X													
6.(2)	H.P. Fuel Filter (Mod SOO 6117) (S/B 6/247)	Remove and discard element. Install new element. Leak check. (Power on). **Note** **If excessive contamination is found on element, remove and inspect main fuel strainer elements.** (Cards 40–11, 41–11, FUN–C8e)				X	X	X	X	X	X	X	X	X	X	X	X
7.	Starting Control Unit	Security and leakage. (Cards 36–11, 37–11)		X													
8.	Waste Fuel Collector Tank (Mod SOO 6153)	Drain waste fuel (20 stops and starts). **Note** **Refer to Service Bulletin No. 6316.** (Card RE–09)	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
9.(1)	Engine Fuel and Control - Compressor P3 Filter Unit (Mod SOO 6177)	Clean filter element electrosonically. (Cards 36–19, 37–19)		X													
9.(2)	Engine Fuel and Control - Compressor P3 Filter Unit (Mod SOO 6177)	Install new filter element at a maximum of 1000 hours based on service experience and environment. (Cards 20–15, 21–14)					X		X		X		X		X		X

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	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 76 – Engine Controls																	
1.	Cables **Airworthiness Directive F.A.A. 68-05-03**	Condition and security, fraying, corrosion and flattening; connectors and fairleads for condition and security. Check cable for correct tensions. Detailed visual inspection of cable terminals for signs of corrosion, pits or cracks. **Note Refer to A.D. if applicable.** (Cards 44–05a, 45–05a)						X			X			X			X
2.(1)	Cable Pulleys	Condition, freedom of operation and security. (Cards 44–05b, 45–05b)						X			X			X			X
2.(2)	Cable Pulleys	Pulley brackets for condition and security. (Cards 46–01, 47–01)									X						X
3.(1)	Power Control Mechanisms and Linkages **Airworthiness Directive T.C. CF-79-20 T.C. CF-80-21 T.C. CF-80-22 F.A.A. 80-04-02**	Lubricate interconnecting rod ball ends. **Note Refer to Service Bulletin 6/387 and A.D., if applicable.** (Cards 36–12, 37–12)		X													
3.(2)	Power Control Mechanisms and Linkages	Condition, chafing, fouling and security. Include beta back-up. (Cards 40–06, 41–06)				X	X	X	X	X	X	X	X	X	X	X	X
3.(3)	Power Control Mechanisms and Linkages	Propeller power interlock for operation. (Cards 09–07, FUN–C5c)				X	X	X	X	X	X	X	X	X	X	X	X

PART 1 BASIC INSPECTION - 76

	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
4.	Control Levers	Condition and freedom of movement; stops for security. **Note** Refer to CAUTION in 4.a. (Card 09–07)				X	X	X	X	X	X	X	X	X	X	X	X
4.a.	Control Levers - Engine Power **Airworthiness Directive T.C. CF-79-24**	Power levers for smooth operation, Beta disarm switch for condition. **Note** Refer to Service Bulletin No. 6/309 and A.D., if applicable. **CAUTION** WITH ENGINE STOPPED: 1 DO NOT MOVE POWER LEVER IN EITHER DIRECTION IF BLADE LATCHES ARE ENGAGED. 2 DO NOT SELECT REVERSE POWER IF PROPELLER IS AT FEATHER. (Card 09–07)				X	X	X	X	X	X	X	X	X	X	X	X
4.b.	Control Levers - Propeller	Propeller levers for smooth operation. (Card 09–07)				X	X	X	X	X	X	X	X	X	X	X	X
4.c.	Control Levers - Fuel Shut-off	Proper detent action and smooth operation. (Card 09–07)				X	X	X	X	X	X	X	X	X	X	X	X
5.	Friction Dampers	Operation. (Card 09–07)				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
6.	Overhead Console Control Quadrants Polycarbonate/Melaine (Pre Mod 6/1895) **Airworthiness Directive T.C. CF-73-06 F.A.A. 93-10-08**	Cracks and freedom of movement. **Note** **Refer to Service Bulletin No. 6/519 and A.D., if applicable.** (Card SP2–C2)					Every 100 hours										
6.a.	Overhead Console Control Quadrants Aluminum (Mod 6/1895)	Condition and freedom of movement. (Card 16–16)					X		X		X		X		X		X

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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 77 – Engine Indicating																	
1.	Indicators																
1.a.	Indicators - Gas Generator Tachometer (Pre Mod 6/2012)	Condition and security. (Card 23–07a)						X			X			X			X
1.b.	Indicators - Turbine Temperature (Pre Mod 6/2012)	Condition and security. (Card 23–07b)						X			X			X			X
1.c.	Indicators - Torque Pressure Indicators (Pre Mod 6/2012)	Condition and security. (Card 23–07d)						X			X			X			X
2.	Torque Pressure Transmitter	Condition and security. (Cards 36–03, 37–03)		X													
3.	Torque Pressure Indicating System	Functional test (calibration). (Power on).				Every Engine Change											
4.	Turbine Temperature Indicating System	Functional test (calibration). (Power on).				Every Engine Change											
5.	Gas Generator Tachometer Generator	Condition and security; connector for security. (Cards 36–05, 37–05)		X													
6.	Wiring and Connectors	Wiring for condition and security. (Cards 40–15, 41–15)				X	X	X	X	X	X	X	X	X	X	X	X

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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 79 – Oil																	
1.	Oil Level	Check. **Note** **After oil change, or if engine has been stationary for more than 12 hours, run engine at idle for 2 minutes; after shutdown check and replenish as required with same brand of oil.** (Card RE–05)	X														
2.	Oil Filler Cap	Condition and locking feature. (Card RE–05)	X														
3.	Oil Filters	Remove and check for foreign matter. Install a serviceable filter. Leak check. **Note** **Clean or renew filter according to instructions in Engine Maintenance Manual. Change oil in accordance with UACL Service Bulletin No. 1001.** (Cards 36–21, 37–21, FUN–A5)		X													

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	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
3.a.	Magnetic Chip Detectors (Reduction Gearbox) **Airworthiness Directive F.A.A. 75-11-04**	Remove oil filter, inspect for foreign matter. Magnetic chip detector in reduction gearbox for electrical continuity. Install a serviceable filter. **Note 1. Clean or replace filter in accordance with Engine Manufacturer's Service Bulletin No. 1001.** **Note 2. Refer to A.D., if applicable.** (Cards 36–18, 37–18)		X													
4.	Oil Temperature Bulb	Security and leakage; connections for security. (Cards 40–03, 41–03)				X	X	X	X	X	X	X	X	X	X	X	X
5.(1)	Oil Pressure Indicators (Pre Mod 6/2012)	Condition and security. (Card 23–07e)						X			X			X			X
5.(2)	Oil Pressure Indicators (Pre Mod 6/2012)	Operational test on engine run. (Card FUN–C1)				X	X	X	X	X	X	X	X	X	X	X	X
5.A	Oil Pressure Indicating System (Mod 6/2012)	Functional test (calibration). Power on.				**Every Engine Change**											
6.(1)	Oil Temperature Indicators (Pre Mod 6/2012)	Condition and security. (Card 23–07f)						X			X			X			X
6.(2)	Oil Temperature Indicators (Pre Mod 6/2012)	Operational test on engine run. (Card FUN–C1)				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
6.A	Oil Temperature Indicating System (Mod 6/2012)	Functional test (calibration). Power on.					Every Engine Change										
7.(1)	Oil Pipes and Connections	Leakage. (Card RE–06)	X														
7.(2)	Oil Pipes and Connections	Condition and security; hoses for condition and security. (Cards 44–09, 45–09)						X			X			X			X
8.	Oil Pressure Transmitters	Security and leakage. (Card RE–08)	X														
9.(1)	Oil Cooler	Security and leakage. (Card RE–08)	X														
9.(2)	Oil Cooler	Cooler mounting for condition and security. (Cards 44–03, 45–03)						X			X			X			X
9.(3)	Oil Cooler	Remove for bench (pressure) test. Install serviceable unit. (Card CT–G–B6)									X						X

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PART 1 BASIC INSPECTION - 80

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 80 – Starting																	
1.(1)	Starter Generator	Security of installation; electrical connectors for security. Clean as required. (Cards 36–09, 37–09)		X													
1.(2)	Starter Generator	Brushes for condition and wear. Drive splines for wear. Lubricate. (Cards 40–08, 41–08)				X	X	X	X	X	X	X	X	X	X	X	X
1.(3)	Starter Generator	Remove for bench test. Replace starter generator bearings with new bearings and spline drive shaft if worn. Install serviceable unit. (Card CT–D–B1)						X			X			X			X
2.	Glow Plugs	Remove for operational test. Clean as required. Install serviceable unit. (Cards 38–05, 39–05)			X												
3.	Current Regulator (Ballast tubes)	Condition and security; leads for security. (Cards 36–10, 37–10)		X													
4.	Spark Ignition System (Mod SOO 6180)																
4.a.	Spark Ignition System - Spark Igniters	Condition and security; check for operation. (Cards 40–12, 41–12)				X	X	X	X	X	X	X	X	X	X	X	X
4.b.	Spark Ignition System - Igniter Box	Condition and security. (Cards 40–13, 41–13)				X	X	X	X	X	X	X	X	X	X	X	X

SYSTEM AND ITEM	INSPECTION REQUIREMENT	ROUTINE	C CHECK X 500 HOURS												
			A	B	1	2	3	4	5	6	7	8	9	10	11	D or 12
5.	Starter Generator - Electrical Wiring and Connectors				X	X	X	X	X	X	X	X	X	X	X	X
	Wiring and connectors for condition and security, insulation for deterioration. Clean as required. (Cards 40–09, 41–09)															