

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 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											

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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. 5.a.(1) Fuel Strainer 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												

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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	

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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

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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	

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10.e.	Wing Fuel Vent Outlet Airworthiness Directive T.C. CF-83-32	Condition and free from obstruction. <u>Note</u> 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	
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	

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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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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

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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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