

FLIGHT OPTIONS, LLC

BEECHJET 400A FOR NEXTANT 400XT STC AIRCRAFT
 FLIGHT OPTIONS INSPECTION PROGRAM MANUAL

Appendix: B
 Page: B25
 Revision: 7
 Date: 06/09/15

TASK CODE	SCHEDULED IFA- B INSPECTIONS	N <u>465FL</u>	DATE	MECH	INSP
	LANDING GEAR AND BRAKES				
H320040	1. LANDING GEAR SYSTEM a. Perform LANDING GEAR FUNCTIONAL TEST (Ref. Model 400/400A AMM Chapter 32-00-00). b. Perform nose steering NEUTRAL POSITION CHECK (Ref. Model 400/400A AMM Chapter 32-50-00).		10/14/15		
H320020	2. NOSE LANDING GEAR STRUT ASSEMBLY a. Detail inspect strut assembly for security, wear, cracks, loose or missing fasteners and any evidence of damage or corrosion. b. Inspect hydraulic actuator cylinder and hydraulic lines for condition and routing.		10/13/15		
H320037	3. NOSE WHEEL AND TIRE a. Clean and inspect wheel bearings and cones. Re-lubricate wheel bearings (Ref. Model 400/400A AMM Chapter 12-20-00). b. Inspect axle, caps and spacers for condition and corrosion.		10/14/15		
H320017	4. NOSE LANDING GEAR DRAG STRUT ASSEMBLY a. Detail inspect for condition. b. Inspect downlock hydraulic actuator cylinder and hydraulic lines for condition and routing. c. Inspect bearings in the lower drag strut for slippage (Ref. Figure 602). d. Inspect downlock switch and bracket for proper mounting and condition.		10/14/15		
H320018	5. NOSE LANDING GEAR UPLOCK ASSEMBLY a. Detail inspect uplock hook mechanism for condition and freedom of movement. b. Inspect uplock hydraulic actuator cylinder and hydraulic lines for condition and routing. c. Inspect uplock switch and bracket for proper mounting and condition.		10/14/15		
H320003	6. NOSE LANDING GEAR WHEEL WELL a. Inspect attach fittings, support structure and keels skins for cracks, loose or missing fasteners, corrosion and evidence of damage. b. Inspect wire harness for condition, deterioration and routing.		10/14/15		
H520005	7. NOSE LANDING GEAR DOORS - Detail inspect door linkage installation for condition, seized bearings and sufficient engagement of rod ends		10/14/15		
H320019	8. NOSE LANDING GEAR EMERGENCY EXTENSION CABLE Inspect for condition and proper routing.		10/14/15		
H320038	9. NOSE WHEEL STEERING SYSTEM a. Detail inspect cam assembly, lever assembly and steering rod for condition, seized bearings and freedom of movement. b. Perform NOSE GEAR TORQUE ARM ASSEMBLY CHECK (Ref. Model 400/400A AMM Chapter 32-50-00).		10/14/15		
H320124	10. LEFT MAIN LANDING GEAR STRUT ASSEMBLY a. Detail inspect strut assembly for security, wear, cracks, loose or missing fasteners and any evidence of damage or corrosion. b. Inspect hydraulic actuator cylinder and hydraulic lines for corrosion.		10/14/15		
H320125	11. LEFT MAIN WHEEL a. Clean and inspect wheel bearings and cones. Re-lubricate wheel bearings (Ref. Model 400/400A AMM Chapter 12-20-00). b. Inspect wheel brake disc drive keys for loose and missing hardware. c. Inspect axle, nut and spacer for condition and corrosion.		10/14/15		

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	LANDING GEAR AND BRAKES (continued)				
H320109	12. LEFT BRAKE ASSEMBLY - Detail inspect brake assembly for condition.		10/14/15		
H290101	13. LEFT BRAKE HYDRAULIC/PNEUMATIC LINES AND HOSES - Inspect for condition and routing on the strut and in the wheel well.		10/24/15		
H320120	14. LEFT LANDING GEAR SAFETY SWITCH - Inspect switch, linkage, mounting and wire harness for condition.		10/14/15		
H320121	15. LEFT MAIN LANDING GEAR SIDE STRUT ASSEMBLY a. Detail inspect side strut assembly for condition. b. Inspect bearings in the lower side strut assembly, balancer arm and link assembly for slippage (Ref. Figure 603). c. Inspect downlock actuator, hydraulic plumbing and downlock mechanism for condition and routing. d. Inspect downlock switch, mount hardware and wire harness for condition and routing.		10/13/15		
H320107	16. LEFT MAIN ACTUATOR BRACKET - Detail inspect for evidence of interference between the actuator bracket and the wing spar (i.e. paint damage) (Ref. Figure 604). Replace if interference is found.		10-14-15		
H320122	17. LEFT MAIN LANDING GEAR AND DOOR UPLOCK HOOK AND UPLOCK ASSEMBLIES a. Inspect hydraulic uplock cylinder and hydraulic plumbing for condition and routing. b. Detail inspect uplock hook mechanism for condition and freedom of movement. c. Inspect uplock switch, mount bracket and wire harness for condition and routing.		10-14-15		
H320108	18. LEFT MAIN WHEEL WELL AND AREA INSPECTION (Panel Removal Not Required) a. Inspect wheel well area structure and skin for cracks, loose and missing fasteners, corrosion and evidence of damage. b. Inspect wire harness for condition, routing and evidence of tire rub.		10-14-15		
H320224	19. RIGHT MAIN LANDING GEAR STRUT ASSEMBLY a. Detail inspect strut assembly for security, wear, cracks, loose or missing fasteners and any evidence of damage or corrosion. b. Inspect hydraulic actuator cylinder and hydraulic lines for corrosion.		10/14/15		
H320225	20. RIGHT MAIN WHEEL a. Clean and inspect wheel bearings and cones. Re-lubricate wheel bearings (Ref. Model 400/400A AMM Chapter 12-20-00). b. Inspect wheel brake disc drive keys for loose and missing hardware. c. Inspect axle, nut and spacer for condition and corrosion.		10/14/15		
H320209	21. RIGHT BRAKE ASSEMBLY -Detail inspect brake assembly for condition.		10/14/15		
H290201	22. RIGHT BRAKE HYDRAULIC/PNEUMATIC LINES AND HOSES - Inspect for condition and routing on the strut and in the wheel well.		10/14/15		
H320220	23. RIGHT LANDING GEAR SAFETY SWITCH -Inspect switch, linkage, mounting and wire harness for condition.		10/14/15		

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	LANDING GEAR AND BRAKES (continued)				
H320221	24. RIGHT MAIN LANDING GEAR SIDE STRUT ASSEMBLY a. Detail inspect side strut assembly for condition. b. Inspect bearings in the lower side strut assembly, balancer arm and link assembly for slippage (Ref. Figure 603). c. Inspect downlock actuator, hydraulic plumbing and downlock mechanism for condition and routing. d. Inspect downlock switch, mount hardware and wire harness for condition and routing.		10-14-15		
H320207	25. RIGHT MAIN ACTUATOR BRACKET - Detail inspect for evidence of interference between the actuator bracket and the wing spar (i.e. paint damage) (Ref. Figure 604). Replace if interference is found.		10-14-15		
H320222	26. RIGHT MAIN LANDING GEAR AND DOOR UPLOCK HOOK AND UPLOCK ASSEMBLIES a. Inspect hydraulic uplock cylinder and hydraulic plumbing for condition and routing. b. Detail inspect uplock hook mechanism for condition and freedom of movement. c. Inspect uplock switch, mount bracket and wire harness for condition and routing.		10-14-15		
H320208	27. RIGHT MAIN WHEEL WELL AND AREA INSPECTION (Panel Removal Not Required) a. Inspect wheel well area structure and skin for cracks, loose and missing fasteners, corrosion and evidence of damage. b. Inspect wire harness for condition, routing and evidence of tire rub.		10-14-15		
H320026	28. ANTI-SKID SYSTEM a. Perform WHEEL SPEED TRANSDUCER INSPECTION (Ref. Model 400/400A AMM Chapter 32-40-00). NOTE: This check is not required if the complete BRAKE SYSTEM FUNCTIONAL TESTING procedure in Model 400/400A AMM Chapter 32-40-00 is performed. b. Perform ANTI-SKID RESPONSE CHECK (Ref. Model 400/400A AMM Chapter 3240-00). NOTE: This check is not required if the complete BRAKE SYSTEM FUNCTIONAL TESTING procedure in Model 400/400A AMM Chapter 32-40-00 is performed. c. Perform FAILURE DETECTION CIRCUIT CHECK (Ref. Model 400/400A AMM Chapter 32-40-00). NOTE: This check is not required if the complete BRAKE SYSTEM FUNCTIONAL TESTING procedure in Model 400/400A AMM Chapter 32-40-00 is performed. d. Perform TOUCH-DOWN PROTECTION CIRCUIT CHECK (Ref. Model 400/400A AMM Chapter 32-40-00). NOTE: This check is not required if the complete BRAKE SYSTEM FUNCTIONAL TESTING procedure in Model 400/400A AMM Chapter 32-40-00 is performed.		10-17-15		
H120021	29. Lubricate items as specified in HBC IFA Inspection Program Chapter 12.		10-14-15		