

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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<i>Freedom Aviation</i> Hillsboro Municipal Airport			
05-01-2021	N4124D	S/N: 12095	ACTT: 2601.0
	Engine IO-540-AE1A5	S/N: L-31700-48A	SMOH: 401.0
100 hour inspection and service completed in accordance with Robinson Maintenance Manual and 14 CFR 43.13 Appendix D. Verified compliance with all airworthiness directives. Cleaned and ops checked tail rotor chip detector. Adjusted main drive belt tension in accordance with Robinson Maintenance Manual. Removed Concord battery RG24-15 S/N 40920651 and replaced with <i>[Signature]</i> S/N 41079544. I certify this aircraft has been inspected IAW a 100HR inspection and v be in airworthy condition and is returned to service. -END-			

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		<i>Freedom Aviation</i> Hillsboro Municipal Airport			
03-01-2022	N4124D	S/N: 12095	ACTT: 2700.5	HOBBS: 2700.5	
Engine IO-540-AE1A5		S/N: L-31700-48A	SMOH: 500.5		
Annual inspection/100/500 hour inspection and service completed in accordance with Robinson Maintenance Manual and 14 CFR 43.13 Appendix D. Verified compliance with all airworthiness directives. Drain and flushed main and tail rotor gearboxes per 1.120 and 1.130. Cleaned and ops checked tail rotor chip detector. Troubleshoot C048 cyclic friction assembly, replaced friction pads and restacked washers IAW Robinson MM Figure 8.4D. Troubleshoot hydraulic on/off switch and D507 solenoid. Removed solenoid, spring, and piston assembly. Cleaned all parts and reinstalled with 3-907N674-70 O-ring and torque 100in/lb IAW Robinson tech support.					
Removed Apollo Spray System DTM-4 in accordance with STC SR0125CH. See form 337 this date. Installed Simplex Spray System 244-000000-200 in accordance with STC SR00286BO. See form 337 and updated Weight & Balance this date.					
Aircraft operational check flight completed with no discrepancies found. Multiple water application flights completed for final adjustments to spray system. I certify this aircraft has been inspected IAW annual inspection and was found to be in airworthy condition and is returned to service. -END-					

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Freedom Aviation Hillsboro Municipal Airport			
04-25-2022	N4124D	S/N: 12095	ACTT: 2799.0 HOBBS: 2799.0
Engine IO-540-AE1A5		S/N: L-31700-48A	SMOH: 599.0
100 hour inspection and service completed in accordance with Robinson Maintenance Manual and 14 CFR 43.13 Appendix D. Verified compliance with all airworthiness directives. Cleaned and ops checked tail rotor chip detector. Adjusted main drive belt tension in accordance with Robinson Maintenance Manual. I certify this aircraft has been inspected IAW a 100HR inspection and found to be in airworthy condition and is returned to service. -END-			

Freedom Aviation Hillsboro Municipal Airport			
05-11-2022	N4124D	S/N: 12095	ACTT: 2850.0 HOBBS: 2850.0
Engine IO-540-AE1A5		S/N: L-31700-48A	SMOH: 650.0
Removed and replaced C017-6 main rotor swashplate assembly IAW Robinson MM due to swashplate bearing roughness and noise. Performed main rotor track and balance and smoothed all vibrations within limits. Auto RPM checked, post maintenance operational check flight completed with no discrepancies found. I certify this aircraft is airworthy and is returned to service.			

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