

USERS PLEASE NOTE:
WHEN THE AIRCRAFT LOGBOOK IS CLOSED,
OPEN DEFERRED ITEMS MUST BE TRANSCRIBED
TO THE RODM OF THE NEW AIRCRAFT LOGBOOK

METRO AVIATION INC

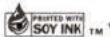
AIRCRAFT SERIAL NUMBER: 7517

RECORD OF DEFERRED MAINTENANCE

AIRCRAFT REGISTRATION: N117NC

1	ITEM NUMBER	DEFERRAL INFO		DISCREPANCY	TRANSCRIBED TO LOGBOOK
SIGNATURE:		SYSTEM NO:	ITEM NO:		SIGNATURE:
		2100	01	A/c system INOP	
CERT. TYPE & NUMBER:		CATEGORY (CIRCLE ONE)			CERT. TYPE & NUMBER:
		A B C <u>D</u>			
DATE:	TTAF:	DUE NLT:			DATE:
4/25/25	9707.5	28 AUG. 2025			16 May 2025
DATE:	TTAF:	EXTENDED DUE NLT:	RESTRICTIONS:		TTAF:
			None		9727.0
2	ITEM NUMBER	DEFERRAL INFO		DISCREPANCY	TRANSCRIBED TO LOGBOOK
SIGNATURE:		SYSTEM NO:	ITEM NO:		SIGNATURE:
		2520	02	Shoulder harness BROKEN L/H AFT FACING SEAT.	
CERT. TYPE & NUMBER:		CATEGORY (CIRCLE ONE)			CERT. TYPE & NUMBER:
		A B C <u>D</u>		*This seat has been re-position to RH side. See log page	
DATE:	TTAF:	DUE NLT:			DATE:
12 MAY 2025	9727.0	09 SEPT. 2025	dated 12 May 2025 (item #5)		16 May 2025
DATE:	TTAF:	EXTENDED DUE NLT:	RESTRICTIONS:		TTAF:
			MAY BE INOPERATIVE PROVIDED THE SEAT IS blocked and placarded.		9727.0
3	ITEM NUMBER	DEFERRAL INFO		DISCREPANCY	TRANSCRIBED TO LOGBOOK
SIGNATURE:		SYSTEM NO:	ITEM NO:		SIGNATURE:
CERT. TYPE & NUMBER:		CATEGORY (CIRCLE ONE)			CERT. TYPE & NUMBER:
		A B C D			
DATE:	TTAF:	DUE NLT:			DATE:
DATE:	TTAF:	EXTENDED DUE NLT:	RESTRICTIONS:		TTAF:
4	ITEM NUMBER	DEFERRAL INFO		DISCREPANCY	TRANSCRIBED TO LOGBOOK
SIGNATURE:		SYSTEM NO:	ITEM NO:		SIGNATURE:
CERT. TYPE & NUMBER:		CATEGORY (CIRCLE ONE)			CERT. TYPE & NUMBER:
		A B C D			
DATE:	TTAF:	DUE NLT:			DATE:
DATE:	TTAF:	EXTENDED DUE NLT:	RESTRICTIONS:		TTAF:

TYPE & MODEL					AIRCRAFT NO.		S/N		DATE	
BK117C1					N117NC		7517		23 APR 2025	
BASE	CUSTOMER	Hours	T.O.	Str.	Pilot	No 1 Eng Cycles		No 2 Eng Cycles		
GP / N1	PT / N2	GP / N1	PT / N2							
PSI	MAI	1.5	18	9	MAI	11.7	9	11.7	9	
Total						1.5	18	9		
						11.7	9.0	11.7	9.0	
Engine Analysis		Daily Trend		Power Check		Component Change & Special Inspections				
O. A. T.				4°C		FIRE & SURVIVAL				
Torque				70%		30 DAY CHECK				
Gas Producer				91.5		VOR CHECK				
T.O.T.				630°C						
Eng. Oil Press				✓						
Altitude				350'						
Coast Down		ΔNI 92.1		+ .6						
Decel.										
Daily Airworthiness		Name		#		DATE: 4-23-25 9707.5				
Preflight		Name		#		DATE: 4/23/25 MT: 9707.5				
DISCREPANCY REPORT						MAINTENANCE REPORT				
(Pilot & Mechanics - Number Each Write-Up)										
This aircraft has been inducted into scheduled maintenance for the following maintenance: 600 Hour/24 Month Inspections, Reference MAI Work Order number AC7517070425. April 7, 2025 AFTT: 9707.5						N117NC S/N: 7517 BK117C1 April 23, 2025 AFTT: 9707.5 WO# AC7517070425				
Operational Check Flight required for the purpose of return to service for the following maintenance; Main Rotor Track and Balance. 04/23/25 AFTT: 9707.5						1) Complied with Preliminary Inspection IAW MAI BK117 AAP Daily Airworthiness Check, Chap III Revision 2, dated 17 July 2024.				
A/C SYSTEM INCP. 4/22/25 AFTT: 9707.5						The following inspections were Complied with:				
						Complied with 2 Year Transponder, Altimeter, Altitude Insp & Test FAR 91.411 & 91.413 by Sterling Helicopter referencing Sterling Helicopter WO# 25-11546. Complied with 50 HR, 100 HR, 200 HR, 300 HR, 400 HR, 400 HR/24 MTH, 600 HR, 600 HR/12 MTH, 600 HR/24 MTH, 600 HR/36 MTH, 12 MTH, 24 MTH Airframe Inspections IAW MAI BK117C1 AAP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with Area 1 - First Aid Kit, Fire Ext. Inspection, Area 3 - Air COMM Air Conditioning Inspection, and Area 5 - Emergency Power Supply Inspection IAW MAI BK117C1 AAP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with 800 HR/24 MTH Engine Inspection s/n: 18956 IAW MAI BK117C1 AAP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with 800/400/150 HR 2nd Stage Turbine Position Check s/n: 18956 IAW MAI BK117C1 AAP Chap IV, Revision 2, dated 17 July 2024. Next due ENGTT: 5933.8.				
						Performed all required ground runs and functional checks. Complied with 100 HR, 300 HR MRB Fitting, 12 MTH MRB Lower Fitting, 300 HR Blade Bulge, 600 HR TSN MRB Thimble, 600 HR/24 MTH, 1800 HR TSN/600 TSI MRB Thimble, Main Rotor Blade Insp. s/n: 339, 2396, 2475, and 3787 IAW MAI BK117C1 AAP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with Company Memo 170M/MM-151 R1, dated Jan 22, 2018, visually inspected rear drain lines and results noted on Memo Form page 3. See attached form for details.				
						The following Airworthiness Directives and ASB's where complied with:				
						Complied with AD 2009-11-01, June 12, 2009 IAW Para. (e) visually inspected the upper and lower surfaces of each affected main rotor blade in the area of the outboard lead balance weight in the marked inspection area for bulging on MRB p/n: 117-151451, s/n: 339, 2396, and 2475. No defects noted. Next due AFTT: 9757.5. Complied with AD 2021-11-09, dated July 12, 2021 Para (g) and ASB MBB-BK117-10A-137, dated 2018-02-19 Para (3.B.1) Visually inspected the MRB Thimble of MRB p/n: 117-151521 s/n: 3738 p/n: 117-151451 s/n: 339, 2396, and 2475. No defects noted. Next due AFTT: 10037.5. Complied with AD98-24-13, dated December 4, 1998 as per Para. (a) Visually inspected vertical fin spar for loose or missing rivets and cracks. No defects noted. Next due AFTT: 10007.5 Complied with AD 2013-16-13, dated September 27, 2013.				
Time For	Aircraft Hours	Landing	Left Engine Time	GP/N1 Cycles	PT/N2 Cycles	Right Engine Time	GP/N1 Cycles	PT/N2 Cycles		
Brt. Fwd.	9707.5	28991	5848.2	10775.5	16405.3	5133.8	7061.97	8012.2		
Today	1.5	18	1.5	11.7	9.0	1.5	11.70	9.0		
TOTAL	9709.0	28009	5849.7	10787.2	16414.3	5135.3	7073.67	8021.2		



TYPE & MODEL				AIRCRAFT NO.				S/N			
								DATE			
BASE	CUSTOMER	Hours	T.O. Str.	Pilot	No 1 Eng Cycles		No 2 Eng Cycles				
					GP / N1	PT / N2	GP / N1	PT / N2			
Total											
Engine Analysis		Daily Trend		Power Check		Component Change & Special Inspections					
		1 2		1		Component		Serial No.		Due @ Hrs.	
O. A. T.						FIRE & SURVIVAL		30 DAY CHECK			
Torque						VOR CHECK					
Gas Producer											
T.O.T.											
Eng. Oil Press											
Altitude											
Coast Down											
Decel.											
Daily Airworthiness		Name:		#:		DATE:					
Preflight		Name:		#:		DATE:					
DISCREPANCY REPORT					MAINTENANCE REPORT						
(Pilot & Mechanics - Number Each Write-Up)											
4) Operational check flight completed and defects were noted. The aircraft is NOT released for return to service this date. Date: 23 April 2025 ACTT: 9709.0					2013 Para(e) Visually Inspected Tail Rotor Balance Weights. No defects noted. Next due AFTT: 10307.5 or DATE: 4/23/2029 Complied with AD 2016-01-14, dated February 25, 2016 Para (e) and ASB MBB-BK117-60A-126, dated 2013-06-24 Para (3.B.2) Visually Inspected N2 Control Arm. Not defects noted. Next Due Date: 4/23/2026 . Complied with AD 2019-06-05, dated May 7, 2019 Para (e) Visually Inspected Tail Rotor Gearbox Housing for cracks. No defects noted. Next due AFTT: 9807.5 . Complied with AD 2021-10-21, dated July 7, 2021 Para (g)(2) and ASB MBB-BK117-40A-115 Rev.5, dated 2017-07-25 Para. 3.B.3, Visually Inspected swashplate. Next due AFTT: 10107.5 . Complied with ASB MBB-BK117-10A-132, dated 2017-05-23 Para (3.B.2) Visually inspect the struts of the vertical mounts for cracks. No defects noted. Next due AFTT: 10107.5 . Complied with ASB MBB-BK117-10A-139, dated 2019-11-14 Para. (3.B.2) completed Main Rotor Lead-Lag and Imbalance check. Lead-Lag and imbalance found within limits of Para. (3.B.3). Next due AFTT: 10007.5 The following Major Repairs/Alterations were completed: FAA Form 337 for ACFT N117NC s/n: 7517, dated 4/22/2025, Center Console Crack. Fabricated and installed new Stiffener p/n: 117-97260-47. Various other maintenance performed, refer to WO# AC7517070425. This aircraft identified above has been inspected and repaired IAW with references above and has been found to be in airworthy condition and is approved for Operational Check Flight ONLY.						
5) Main Rotor still exhibits excessive vibration in flight. 23 April 2025 TT 4029.4					N117NC S/N: 7517 BK117C1 23 April 2025 AFTT: 9707.5 3) Aircraft is release for flight with the noted discrepancy deferred IAW the MAI MEL, System 2100, Item 01, CAT "D" To be repaired NLT 21 August 2025. Complied with (M) Procedure, pulled and tie wrapped circuit breaker. This item has been placarded. Signed: [Signature] CERT#: 4/23/25 5) N117NC s/n 7517 BK117C1 23 April 2025 ACTT: 9709.0 Performed adjustment of Main rotor track by adjusting Blue and Green Main Rotor Blade Rotating Control Rods as required. Work done IAW BK117 C1 AMM Appendix F.3. This aircraft identified above has been inspected IAW the references above and has been found to be in airworthy condition and is released for an operational check flight only.						
Time For	Aircraft			Left Engine	GP/N1	PT/N2	Right Engine	GP/N1	PT/N2	A&P	
	Hours	Landing		Time	Cycles	Cycles	Time	Cycles	Cycles		
Brt. Fwd.				SEE PREVIOUS PAGE							
Today											
TOTAL											



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TYPE & MODEL		AIRCRAFT NO.		S/N		DATE		
BK117C1		N117NC		7517		15 May 2025		
BASE	CUSTOMER	Hours	T.O. Str.	Pilot	No 1 Eng Cycles GP / N1 PT / N2		No 2 Eng Cycles GP / N1 PT / N2	
NO FLIGHTS								
Total								
Engine Analysis		Daily Trend		Power Check		Component Change & Special Inspections		
O. A. T.		1 2		1 2		Component Serial No. Due @ Hrs.		
Torque						FIRE & SURVIVAL 30 DAY CHECK		
Gas Producer						VOR CHECK		
T.O.T.								
Eng. Oil Press								
Altitude								
Coast Down								
Decel.								
Daily Airworthiness		Name		Name		DATE: 15 May 2025		
Preflight		Name		Name		DATE: 15 May 2025		
DISCREPANCY REPORT					MAINTENANCE REPORT			
(Pilot & Mechanics - Number Each Write-Up)					N117NC S/N: 7517 BK117C1 15 May 2025 AFTT: 9727.0 WO# AC7517070425			
					Amendment to Discrepancy #1 on log page dated 23 April 2025 ACTT 9707.5			
					1) Complied with Preliminary Inspection IAW MAI BK117C1 AAIP Daily Airworthiness Check, Chap III Revision 2, dated 17 July 2024.			
					The following Inspections where Complied with:			
					Complied with 2 Year Transponder, Altimeter, Altitude Insp & Test FAR 91.411 & 91.413 by Sterling Helicopter referencing Sterling Helicopter WO# 25-11546. Complied with 50HR, 100HR, 200HR, 300HR, 400HR, 400HR/24MTH, 600HR, 600HR/12 MTH, 600HR/24MTH, 600HR/36MTH, 12MTH, 24MTH Airframe Inspections IAW MAI BK117C1 AAIP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with Area 1 - First Aid Kit, Fire Ext. Inspection, Area 3 - Air COMM Air Conditioning Inspection, and Area 5 - Emergency Power Supply Inspection IAW MAI BK117C1 AAIP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with 50HR, 100HR, 300HR, 400HR, 400 HR/12 MTH Engine Inspection on s/n: 47277, Complied with 50HR, 100HR, 400HR, 400HR/12 MTH Engine Inspection on s/n 18959, 300HR N/A on engine 18959 due to TU Status: IAW MAI BK117C1 AAIP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with 800HR/24MTH Engine Inspection s/n: 18959 IAW MAI BK117C1 AAIP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with 800/400/150HR 2nd Stage Turbine Position Check s/n: 18959 IAW MAI BK117C1 AAIP Chap IV, Revision 2, dated 17 July 2024. Next due ENGTT: 5933.8. Performed all required ground runs and functional checks. Complied with 100HR, 300HR MRB Fitting, 12MTH MRB Lower Fitting, 300HR Blade Bulge, 600HR TSN MRB Thimble, 600HR/24MTH, 1800HR TSN/600 TSI MRB Thimble, Main Rotor Blade Insp. s/n: 339, 2396, 2475, and 3787 IAW MAI BK117C1 AAIP Chap IV, Revision 2, dated 17 July 2024. Performed all required ground runs and functional checks. Complied with Company Memo 17OM/MM-151 R1, dated Jan 22, 2018, visually inspected rear drain lines and results noted on Memo Form page 3. See attached form for details.			
					The following Airworthiness Directives and ASB's where complied with:			
					Complied with AD 2009-11-01, June 12, 2009 IAW Para. (e) visually inspected the upper and lower surfaces of each affected main rotor blade in the area of the outboard lead balance weight in the marked inspection area for bulging on MRB p/n: 117-151451, s/n: 339, 2396, and 2475. No defects noted. Next due AFTT: 9757.5. Complied with AD 2021-11-09, dated July 12, 2021 Para (g) and ASB MB8-BK117-10A-137, dated 2018-02-19 Para (3.B.1) Visually inspected the MRB Thimble of MRB p/n: 117-151521 s/n: 3738 p/n: 117-151451 s/n: 339, 2396, and 2475. No defects noted. Next due AFTT: 10037.5.			
					Continued on next log page			
Time For	Aircraft Hours	Landing	Left Engine Time	GP/N1 Cycles	PT/N2 Cycles	Right Engine Time	GP/N1 Cycles	PT/N2 Cycles
Brt. Fwd.	9727.0	29082	5867.7	10817.80	16443.90	5153.3	7104.27	8050.80
Today	0	0	0	0	0	0	0	0
TOTAL	9727.0	29082	5867.7	10817.80	16443.90	5153.3	7104.27	8050.80



Log Page 1 of 2



TYPE & MODEL: BK117C1			AIRCRAFT NO. N117NC			S/N 7517			
						DATE 19 May 2025			
BASE	CUSTOMER	Hours	T.O.	Str.	Pilot	No 1 Eng Cycles		No 2 Eng Cycles	
						GP / N1	PT / N2	GP / N1	PT / N2
PSI	PENNSSTAR	0.7	4	3	KING	1.95	3.0	1.95	3.0
		9	3	3	King	1.95	3.0	1.95	3.0
Total		1.6	7	6		3.90	6.0	3.90	6.0
Engine Analysis		Daily Trend		Power Check		Component Change & Special Inspections			
		1	2	1	2	Component		Serial No.	
O. A. T.						FIRE & SURVIVAL		30 DAY CHECK	
Torque						VOR CHECK			
Gas Producer									
T.O.T.									
Eng. Oil Press									
Altitude									
Coast Down									
Decel.									
Daily Airworthiness		Name		#		DATE: 5/19/25 ACT: 9730.0			
Preflight		Name		m #		497: 9730.0 DATE: 19 May 2025			
DISCREPANCY REPORT						MAINTENANCE REPORT			
(Pilot & Mechanics - Number Each Write-Up)									
① Pilot reported #2 engine slow to start, ACT 9730.0, 19 May 2025.						1) N117NC S/N 7517 BK117C1 5/19/25 ACTT: 9730.0 Removed defective Start Drain Valve P/N 0174078030 s/n 4609 and installed new Drain Valve P/N 0174078030 S/N 4877 due TBO at 5/19/35 IAW Turbomeca Arriel 1E2 MM chapter 73-16-10-900-801-A01. Performed leak check of drain valve, no defects noted. This aircraft identified above has been repaired IAW the references above and has been found to be in airworthy condition and is approved for return to service.			
2) SMC Required for following items, Installation of						2) SMC performed for installation of new drain valve on #2 Eng. And RH engine Cowl install. No defects noted.			
③ Operational Ground run required for the purpose of the following maintenance:						N117NC S/N 7517 BK117C1 5/19/25 ACTT: 9730.0 ③ Operational Ground run check completed and found satisfactory and the aircraft is released for return to service Date 5/19/25 ACTT: 9730.0			
④ LH tail rotor pedal lower bellows came loose, ACT 9730.0, 19 May 2025.						④ N117NC, BK117C1, SN 7517, ACT 9730.0, 19 May 2025 Tightened clamp on LH tail rotor pedal lower bellows. Ref. BK117C1 AMM Chpt. 42-9. The aircraft identified above has been repaired IAW the references above and has been found to be in an airworthy condition and is approved for return to service.			
⑤ SMC required For tightening of LH tail rotor pedal bellows, ACT 9730.0, 19 May 2025.						⑤ Performed SMC For tightening of LH tail rotor pedal bellows. NO defects noted. ACT 9730.0, 19 May 2025			
Time For		Aircraft Hours		Left Engine Time		GP/N1 Cycles		PT/N2 Cycles	
Brt. Fwd.		9730.0		5870.7		10825.25		16456.90	
Today		1.6		1.6		3.90		6.00	
TOTAL		9731.6		5872.3		10829.15		16462.90	
		29093				5156.3		7114.62	
		7				1.6		3.90	
		29100		5872.3		16462.90		5157.9	
						7118.62		8063.80	
								6.00	
								8069.8	