

**Attachment 15. N37SH 100-hour Inspection Record**

**DCA12MA020 Maintenance Factual Report**

Date:	12-5-11	N-37	Model:	AS350B2	S/N:	23557	Pre-Night:	1 RR	2 RD	3 RL	4 RL	5	6	Post-Flight:	
Tach Time	Flt Time	Aircraft Total Time	Engine Total Time	Starts	Total NP Cycles	Lndgs	Total Landings	Flt NG	Total NG Cycles	Tour Type or Customer	Thru-Flt	Pilot	Chtr	Grnd	
1700.8		25212.1	11,921.7		11,492		61,398		13,970.08						
1952.1	1.3	25213.4		2		2		1.70		PIC	RD	RD			
1753.4	1.0	25214.7		2		2		1.00		PIC	RD	RD			
1754.7	1.3	25216.0		2		2		1.70		PIC	RL	RL			
1755.2	5	25216.5	11,926.1	1	15499	1	61,405	85	13,996.03	WLT		RL			
			ENG Change												
			7400.0		7845.3				9667.2						

Next Insp Due	AFTT	AD/SB/Components Due	AFTT	AD/SB/Components Due	AFTT	I certify that this aircraft has been inspected as referenced on the attached inspection form; completed a _____ inspection; determined to be in an airworthy condition and is approved for return to service. AFIT: _____ Signature & Cert. No: _____ <b>Engine Check</b> EC130 Results w/ FDC corrections → Altitude T4 NR OAT NG TQ Initials 3500 730 394 2 97.6 58 RD
30 Hr Insp	25235.5	25246.5		F/A SERVO	2137.0	
100 Hr Insp	25235.5	25316.5		T/R SERVO	2137.0	
Fire Ext.	12/11/11	2-100hr Post Maint CK'S	25216.5	Axial Comp Wheel	14,000.0	

DISCREPANCIES	CORRECTIVE ACTIONS
Item # 1 100hr insp due @ 25235.5	I certify this aircraft has been inspected referencing the manufacturer's recommended requirements for the 30/50/100/200/6 Month and 1 year airframe inspections and this engine has been inspected referencing the manufacturer's recommended requirements for the 30/50/100/150/200/300/400 hour and 1 year inspections. Completed inspections and servicing requirements referencing Eurocopter AS350 version B2 Master Servicing Manual chapter 05 and Turbomeca Arriel Maintenance Manual section 05-20-03 as currently revised. This Aircraft and Engine are determined to be in an Airworthy condition and approved for return to service.

Date:	12-5-11	Name:	[Redacted]	Date:	12-6-11	AFTT:	25216.5	Signature & Cert. No:	[Redacted]	[Redacted]
Item #	2 Ground Run/Leak Check due for completion of 100hr insp		Performed ground run and leak check requirements related to work performed. No defects noted. I certify this aircraft is in an airworthy condition and is approved for return to service following satisfactory operational check flight.							

Date:	12-6-11	Name:	[Redacted]	Date:	12-6-11	AFTT:	25216.5	Signature & Cert. No:	[Redacted]	[Redacted]
Item #										

Date:		Name:		Date:		AFTT:		Signature & Cert. No:		
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MAKE	Eurocopter	<b>DISCREPANCY LIST</b> <b>SUNDANCE HELICOPTERS</b> 5596 Haven Street Las Vegas, Nevada 89119	DATE	12/06/11
MODEL	AS350B2		AF TT	25216.5
S/N,	2300		ENG TT	7400.0
REG. *	N37SH		PAGE	1 of 10

DISCREPANCY		CORRECTIVE ACTION									
Induction Perform inventory of loose equipment.		C/W Induction inventory of loose equipment. The following items received with Aircraft. No. of Headsets <u>6</u> No of Lifevests <u>7</u> First Aid Kit <u>Y X</u> GOM & MEL Binder <u>Y X</u> Flight Manual <u>Y X</u> Other Items									
Name	G WATERFALLEN	Date	12/06/11	Signature	G WATERFALLEN	Cert. No.	2854652 A & P	Date	12-6-11	Insp	N/A
No. 1	C/W 30/50/100/200 hr and 6 Month/1 year Airframe Inspections										
C/W 30/50/100/200 hr and 6 Month/1 year Airframe Inspections		I certify that this aircraft has been inspected referencing the manufacturer's recommended requirements for a 30,50 100, 200 hour/ 6 Month and 1 year airframe inspection. Completed inspection requirements referencing Eurocopter AS350B2 Master Servicing Manual, as currently revised. Reference discrepancy sheets dated <b>12-6-11</b> . Sheets numbers <u>1</u> thru <u>10</u> . for additional work performed. This aircraft was determined to be in an airworthy condition and is approved for return to service.									
Name	G WATERFALLEN	Date	12/06/11	Signature	G WATERFALLEN	Cert. No.	2854652 A & P	Date	12-6-11	Insp	N/A
No. 2	C/W 30/50/100/150/200/300/400 hour and 1 year Engine Inspections.										
C/W 30/50/100/150/200/300/400 hour and 1 year Engine Inspections.		I certify that this Engine has been inspected referencing the manufactures recommended requirements for a 30/50/100/150/200/300/400 hour and 1 year inspections. Completed inspection requirements referencing Turbomeca Arriel series MM sec. 05-20-03-200-801-A01 as currently revised. This Engine was determined to be in an airworthy condition and approved for return to service.									
Name	G WATERFALLEN	Date	12/06/11	Signature	[Redacted]	Cert. No.	[Redacted]	Date	12-6-11	Insp	[Redacted]
No. 3	C/W AD 2007-06-15. To prevent in-flight failure of the drive belt or driveshaft.										
C/W AD 2007-06-15. To prevent in-flight failure of the drive belt or driveshaft.		C/W with AD 2007-06-15, Amendment 39-14996 lubrication of Hydraulic pump driveshaft splines every 110 hrs TIS or 6 months whichever occurs first. See recurring AD compliance sheet for record of compliance and inspection interval. Next inspections and lubrication.									
Name	G WATERFALLEN	Date	12/06/11	Signature	[Redacted]	Cert. No.	[Redacted]	Date	12-6-11	Insp	[Redacted]
No. 4	C/W AD 2004-05-23; 100 hr inspection and lubrication of main rotor swashplate.										
C/W AD 2004-05-23; 100 hr inspection and lubrication of main rotor swashplate.		C/W AD 2004-05-23, Amendment 39-13518, 14 April 2004 inspection and lubrication of main rotor swashplate w/ Aeroshell 7 grease as referenced in AS350B2 AMM 63-32-00 3-1. See recurring AD compliance sheet for record of compliance and inspection interval. Next inspections and lubrication									
Name	G WATERFALLEN	Date	12/06/11	Signature	[Redacted]	Cert. No.	[Redacted]	Date	12-6-11	Insp	[Redacted]

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MAKE	Eurocopter	<b>DISCREPANCY LIST</b> <b>SUNDANCE HELICOPTERS</b> 5596 Haven Street Las Vegas, Nevada 89119	DATE	12/06/11
MODEL	AS350B2		AF TT	25216.5
S/N	2300		ENG TT	7400.0
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DISCREPANCY		CORRECTIVE ACTION			
No. 5		N/A THIS ACFT			
C/W AD 2003-02-05 Visual inspection of sliding door roller assembly.					
Name G WATERFALLEN	Date 12/06/11	Signature G WATERFALLEN	Cert. No. 2854652 A & P	Date 12-6-11	Insp N/A
No. 6		C/W <b>300</b> hour inspection of FDC engine inlet filter per FDC ICA manual 1350-SERIES-ICA-1 as revised. Se checklist attached. Filter Cleaned. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
FDC FILTER Due 100/300 HR. Inspection as applicable.					
Name G WATERFALLEN	Date 12/06/11	Signature [Redacted]	Cert. No. [Redacted]	Date 12-6-11	Insp [Redacted]
No. 7		C/W 100 hour inspection of IFS Air/Cond. System Reference IFS/ICA as revised. See checklist attached.			
IFS Air/Cond installation due 100 HR. Inspection.					
Name G WATERFALLEN	Date 12/06/11	Signature [Redacted]	Cert. No. [Redacted]	Date 12-6-11	Insp [Redacted]
No. 8		Inspected and Installed 3 ea. serviceable MR Blades P/N 355A11-0020-11 S/N'S <b>9145, 9146, &amp; 9639</b> . Ref: AS 350B2 AMM CH: 62-11-00.			
Remove 3 EA.M/R Blades for Inspection.					
Name G WATERFALLEN	Date 12/06/11	Signature [Redacted]	Cert. No. [Redacted]	Date 12-6-11	Insp [Redacted]
No. 9		C/W 100/500 / ANNUAL / 24 Month hour inspection of Tail Boom Mounted Battery per ICA of STC00422NY. See checklist attached.			
C/W 100/500 Hr. / Annual / 24 Month Inspection of Tailboom Mounted Battery Installation. Per checklist STC00422NY Eurocopter Canada.					
Name G WATERFALLEN	Date 12/06/11	Signature [Redacted]	Cert. No. APZ [Redacted]	Date 12-6-11	Insp [Redacted]

MAKE	Eurocopter	<b>DISCREPANCY LIST</b> <b>SUNDANCE HELICOPTERS</b> 5596 Haven Street Las Vegas, Nevada 89119	DATE	12/06/11
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S/N	2300		ENG TT	7400.0
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DISCREPANCY		CORRECTIVE ACTION			
No. 10		C/W lubrication of Hydraulic Pump Drive Bearing (Mobil 28 Grease) per AS350B2 AMM Chapt. 63-11-00 3-1.			
C/W Hydraulic Pump Drive Bearing lubrication. Ref. AS350B2 AMM Chap.63-11-00 3-1.					
Name G WATERFALLEN	Date 12/06/11	Signature	Cert. No.	Date 12-6-11	Insp
No. 11		C/W lubrication of T/R Driveshaft Bearings per AS350B2 AMM Chapt. 65-11-00 6-1 (Mobil 28 Grease).			
C/W lubrication of T/R Driveshaft bearings Ref. AS350B2 AMM Chap. 65-11-00 6-1. (Mobil 28 Grease).					
Name G WATERFALLEN	Date 12/06/11	Signature	Cert. No.	Date 12-6-11	Insp
No. 12		C/W Lubrication of Main Rotor Droop Stop Ring per AS350B2 AMM Chapt. 12. (G-355 Grease)			
C/W Lubrication of Main Rotor Droop Ring. Ref. AS350B2 AMM Chap. 12.					
Name G WATERFALLEN	Date 12/06/11	Signature	Cert. No.	Date 12-6-11	Insp
No. 13		C/W Lubrication of T/R P/C Unit Bearing per AS350B2 AMM Chapt. 65-21-00 3-1 & 12-00-00.(Mobil 28 Grease)			
C/W Lubrication of T/R P/C Unit Bearing. Ref. AS350B2 AMM 65-21-00 3-0 / 12-00-00.					
Name G WATERFALLEN	Date 12/06/11	Signature	Cert. No.	Date 12-6-11	Insp
No. 14		C/W visual inspection of Vertical Fin mounting with tail cone removed. No defects noted. Ref. AS350B2 AMM 55.20.00 6-1 & 6-3.			
C/W Inspection of Vertical Fin mounting per QAN 04-11R1 Ref. AMM 55.20.00 6-1 & 6-3.					
Name G WATERFALLEN	Date 12/06/11	Signature	Cert. No.	Date 12-6-11	Insp

MAKE	Eurocopter	<b>DISCREPANCY LIST</b> <b>SUNDANCE HELICOPTERS</b> 5596 Haven Street Las Vegas, Nevada 89119	DATE	12/06/11	
MODEL	AS350B2		AF TT	25216.5	
S/N	2300		ENG TT	7400.0	
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DISCREPANCY		CORRECTIVE ACTION			
No. 15		RMVD M/R F/A SERVO SN RX 187 TSO: 1959.5 TSN: 14202.3. INST'D O/H UNIT SAME PN SN BX 264 TSO: 0.0 TSN: 21150.9. ALSO REPLACED ALL ORINGS PN 81810-110-24B7 PO 9048. REF AS 350 M/M CH 67			
M/R F/A SERVO PN AC67246 SN RX 187 DUE O/H					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 16		RMVD T/R SERVO SN FE 212 TSO: 1959.5 TSN: 12328.4. INST'D O/H UNIT SAME PN SN DK287 TSO: 0.0 TSN: UNK. ALSO REPLACED ALL ORINGS PN 81810-110-24B7 PO 9048. REF AS 350 M/M CH 67			
T/R SERVO PN AC67032 SN FE 212 DUE O/H					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 17		Removed Arriel 1D1 Engine S/N <u>9399</u> Engine TT. <u>11926.1</u> Total Ng <u>13996.03</u> . Total Np <u>15499</u> . Reference AS350B2 AMM Chapter 71-11-00 Para 4-1. Engine tagged appropriately.			
Remove Arriel 1D1 Engine S/N <u>9399</u> Rental Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 18		Installed serviceable Arriel 1D1 Engine S/N <u>9043</u> Reference AS350B2 AMM Chapter 71-11-00 Para 4-2.			
Install Arriel 1D1 Engine S/N <u>9043</u> Engine T.T. <u>7400.0</u> Total Ng <u>9667.2</u> Total Np <u>7845.3</u> Rental <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 19		Cleaned Air Duct ref. Arriel 1D1 MM 71-01-03-110-801-A01.			
Clean the Air Duct.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp

MAKE	Eurocopter	<b>DISCREPANCY LIST</b> <b>SUNDANCE HELICOPTERS</b> 5596 Haven Street Las Vegas, Nevada 89119	DATE	12/06/11	
MODEL	AS350B2		AF TT	25216.5	
S/N	2300		ENG TT	7400.0	
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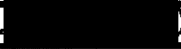









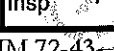



DISCREPANCY		CORRECTIVE ACTION			
No. 20		Completed Engine Compressor wash Ref. Arriel 1D1 MM 71-01-03-110-801-A01.			
Perform Engine Compressor Wash.					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 21		Inspected engine mount clamps for condition and locking. Ref. AS350 MM Chapetr 71.			
Visually inspect the two attachment clamps of the Engine. (Condition and Locking)					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 22		Checked FCU Control travel. Ref AS350 MM Chapter 71.			
Check FCU controls travel, immobilization of pins.					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 21		C/W leak check of the Deceleration Control Unit. No leaks noter. Ref Arriel 1D1 MM 73-21-00-200-802-A01.			
Check for leaks of the Deceleration Control Unit.					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 23		C/W Power Assurance. See attachment. Ref. AS350 Flight Manual.			
Perform a Power Assurance Check.		<i>Transferred to log 600 R</i>			
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	



MAKE	Eurocopter	DISCREPANCY LIST SUNDANCE HELICOPTERS 5596 Haven Street Las Vegas, Nevada 89119			DATE	12/06/11	
MODEL	AS350B2				AF TT	25216.5	
S/N	2300				ENG TT	7400.0	
REG.	N37SH				PAGE	6	of 10
DISCREPANCY			CORRECTIVE ACTION				
No. 24		Serviced Engine oil system. Reference AS350B2 AMM Chapter 79.00.00 3-1 C/W Engine oil replenishment. Serviced with <u>4.5</u> Qts. Mobil 254.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp		
No. 25		N1 and N2 engine control system rigged. Reference AS350B2 AMM Chapter 76.11.01 para. 4-1, 5-1& 5-2. Arriel 1D1 MM Chapter 71-02-11 task 760-801-A01. C/W rigging of N1 and N2 Engine control system.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp		
No. 26		Performed bi-level oil pressure check. Reference Arriel 1D1 MM Chapter 71-02-15-760-801-A01 C/W bi-level oil pressure check. Results: oil temp <u>70</u> deg "C" Pressure at 4 way union <u>260</u> Kpa Pressure at Rear section <u>230</u> Kpa.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp		
No. 27		Performed rear bearing oil flow check. Reference Arriel 1D1 MM Chapter 72-43-10-280-801-A01. C/W Rear bearing oil flow check. Results <u>100</u> ml.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp		
No. 28		Performed Fuel Control characteristics check. Reference Arriel 1D1 MM Chapter 73.20.01. C/W Fuel Control characteristics check. Results; NR <u>380</u> rpm NG <u>82</u> % anticipator angle; <u>17</u> Deg. Minimum NR; <u>379.4</u> rpm					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp		



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S/N	2300		ENG TT	7400.0	
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DISCREPANCY		CORRECTIVE ACTION			
No. 29		Performed check of torque indicating system. Reference AS350B2 AMM Chapter 77.00.00 para 5-2b.			
C/W check of torque indicating system for accuracy.					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 30		Performed Engine Ng coast down check. Reference Arriel 1D1 MM Chapter 71-02-09-7604-801-B01.			
C/W Ng coast down time.		Results Coast Down <u>67</u> sec.			
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 31		Performed check of NR. Reference AS350B2 Flight Manual Chapter 8.			
C/W check of NR		Results; NR on ground <u>380</u> RPM In flight <u>during 2K917</u> RPM			
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 32		C/W Start Drain Valve leak check. No defects noted. Ref. Arriel 1D1 MM 73-16-11-200-802-A01.			
Check the drain of the Start Drain Valve for leaks.					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	
No. 33		C/W operational check of Engine starting system. No defects noted. Ref Arriel 1D1 MM 72-43-00-770-802-A01.			
Check correct operation of each starting system.					
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	
				Date	12-6-11
				Insp	



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S/N	2300		ENG TT	7400.0	
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DISCREPANCY		CORRECTIVE ACTION			
No. 34		C/W check of the Reinjection Inhibition Pressure Switch. No defects noted. Ref Arriel 1D1 MM 73-14-20-210-803-A01.			
With Engine running, check operation of the Reinjection Inhibition Pressure Switch.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 35		Performed Rear point vbe check <b>40 to 65% results: 6 mm/s. Flight gate (rotating assy) results: 5 mm/s.</b> Ref Arriel 1D1 MM 71-02-10-760-801-A01.			
Perform Rear bearing Vib. Check.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 36		Performed ground run & leak check. Reference AS350B2 RFM. No defects noted at this time. This Engine is determined to be in an airworthy condition and is approved for return to service following a satisfactory operational check flight.			
C/W ground run & leak check prior to operational check flight.					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 37		REPLACED RODENDS PN 6701-800-800 WITH NEW UNITS SAME PN PO 9441. REF AS 350 M/M CH 67			
F/A & R/H LAT SERVO UPPER ROD END WORN					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 38		REPLACED LINK SN 22461 WITH O/H UNIT SAME PN SN S22477 PO 2395 REF AS 350 M/M CH 64			
T/R P/C LINK PN 350A33-2145-01 SN 22461 BEARING FAILS AXIAL PLAY LIMIT					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp

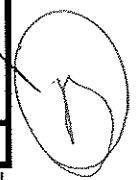


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DISCREPANCY		CORRECTIVE ACTION			
No. 39		REPLACED BOOT PN 704A33-699-008 PO 9195. REF AS 350 M/M CH 62			
M/R SWASHPLATE BOOT TORN					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 40		REPLACED ALL 6 BOLTS PN 22220BL080021L PO 9195. REF AS 350 M/M CH 62			
M/R AVA MOUNT BOLTS STRIPPED					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 41		INST'D TRANSMITTER PN 64279-004-1 SN 6449. REF AS 350 M/M CH 77			
ENG OIL PRESS TRANSMITTER TRANSFERRED TO NEW ENG SN 9043					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 42		INST'D TRANSMITTER PN 53-51-6 SN 5777. REF AS 350 M/M CH 77			
TRQ TRANSMITTER TRANSFERRED TO NEW ENG SN 9043					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp
No. 43		C/W QAN 15-11 BY INSTALLING INSULATOR PN RF 125A WITH RTV 736 SILICON. REF AEC SPM CH 20			
C/W QAN 15-11 INSTALL OF HEAT BLANKET ON AS 350 ENG COWL					
Name G WATERFALLEN	Date 12-6-11	Signature	Cert. No.	Date 12-6-11	Insp

MAKE	Eurocopter	<b>DISCREPANCY LIST</b> <b>SUNDANCE HELICOPTERS</b> 5596 Haven Street Las Vegas, Nevada 89119	DATE	12/06/11
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DISCREPANCY		CORRECTIVE ACTION			
No. 44	C/W AIR FRAME MOD 073364 CHANGE OF T/R SERVO FWD ROD END MOUNT HDWR	C/W MOD 073364 INSTALL OF NEW HDWR ON T/R SERVO FWD MOUNT BOLT PN 22731BC080032M PO 6626 WASHER 23142AG060LE PO 6626. REF AS 350 M/M CH 67			
Name	G WATERFALLEN	Date	12-6-11	Signature	
				Cert. No.	AP 
				Date	12-6-11
				Insp	
No. 45					
No. 46					
No. 47					
No. 48					

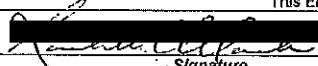





Moteur / Engine  
ARRIEL 1D1 S/N 9043


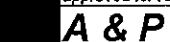
FONCTIONNEMENT MOTEUR / ENGINE RUN HOUR										
Date	Journaller Daily			Total depuis neuf Total since new			Total depuis état de dispo. Total since state of life			Observations - Travaux effectués - Signature Observations - Works carried out - Signature
	H	Boîtier afficheur Display box		H	Cycles		H	Cycles		
		Cycles Gen/Gas	Cycles T.L. F.T.		Gen	T.L. F.T.		Gen	T.L. F.T.	
ENGINE SN:	9043			SUNDANCE HELICOPTERS INC.			DATE:			12/1/11
ENGINE TT:	7400			Las Vegas, NV (LAS)			NP CYCLES:			7845.30
MAKE/MODEL:	Arirel 1D1			ENGINE SN:	9043	ENGINE TT:	7400	NG CYCLES:	9667.20	

- Complied with the following Engine inspections:
  - I certify that this engine has been inspected referencing the manufacturer's recommended requirements for a 30/50/100/150/200/300/400/500/600/750/1000/1500 hour and 1 year inspections.
- Complied with the following Airworthiness Directives:
  - AD 2003-12-14 Amendment 39-13199 paragraph (c), inspected axial compressor. No defects noted. Next compliance due at ETT: 7800.0
- Complied with the following Maintenance:
  - Performed cleaning and inspection of no1 oil strainers at 6:00 and 8:00 positions. Reinstalled strainers with new packing's p/n 9682001372 (2ea.) All work performed with reference to Arirel 1D1 maintenance manual, chapter 72.  
This Engine is determined to be in an Airworthy Condition and approved for return to service.

 **A & P**  **12/5/11**  
Signature Type and Cert Number Date  
For Sundance Helicopters Inc. ACC# KBMA477F

AC REG #:	N37SH			SUNDANCE HELICOPTERS INC.			DATE:	12-6-11
AC SERIAL:	2300			Las Vegas, NV (LAS)			HOBBS:	1755.2
ENG. MAKE:	Arirel 1	ENGINE SN:	9043	ENGINE TT:	7400.0	ACTT:	25216.5	
ENG. MODEL:	D1	NP CYCLES:	7845.3	NG CYCLES:	9667.2	LANDINGS:	61405	

- Complied with the following Engine inspections:
  - I certify that this engine has been inspected referencing the manufacturer's recommended requirements for a 30/50/100/150/200/300/400/500/600/750/1000/1500 hour and 1 year inspections. Completed inspection and servicing requirements referencing Turbomeca Arirel Maintenance Manual section 05-20-03 as currently revised. N1 Coast down time: 87 seconds. FCU Characteristics check results: NG 82%, Angle: 17 degrees, Actual NR: 380 rpm, Minimum NR: 379.4 RPM. Rear point vibo check 40 to 65% results: 6 mm/s. Flight gate (rotating assy) results: 5 mm/s.
- Complied with the following Component Replacements:
  - Removed Arirel 1D1 Engine S/N 9399 Engine TT. 11926.1 Total Ng 13996.03. Total Np 16499. Installed Arirel 1D1 Engine S/N 9043 Engine T.T. 7400.0 Total Ng 9667.2 Total Np 7845.3
  - 300hr oil change.
- Complied with the following Airworthiness Directives:
  - AD 2003-12-14 Amendment 39-13199 paragraph (c), inspected axial compressor. No defects noted. Next compliance due ETT: 7800.0

 **A & P**  **12-6-11**  
Signature Type and Cert Number Date  
For Sundance Helicopters Inc. ACC# KBMA477F

ATOR \_\_\_\_\_  
ENGINE POSITION \_\_\_\_\_

Lors de chaque changement d'utilisateur, d'aéronef ou de position moteur, passer à la page suivante  
if the engine is transferred to another operator, aircraft, or position, a new page of the log book shall be started

**Sundance Helicopters, Inc.**

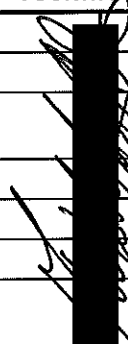
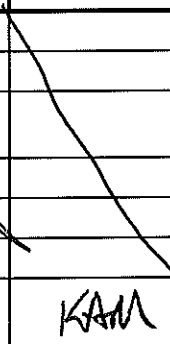
**AS350 Series 30/50/100/200 Hour - 6 month/1 year Inspection Checklist**

<b>Registration</b>	<b>Airframe S/N</b>	<b>Airframe Total Time</b>	<b>Tach Time</b>	<b>Airframe Landings</b>
N37SH	2300	25216.5	1755.2	61405
<b>Date</b>	<b>Engine S/N</b>	<b>Engine Total Time</b>	<b>NG Cycle Total</b>	<b>NP Cycle Total</b>
12/6/2011	9043 (RENTAL)	7400	9667.2	7845.3

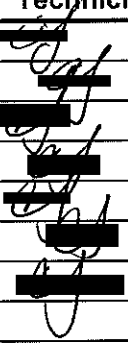
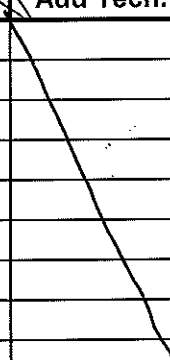
**Introduction**

A general inspection should be carried out at each check point; i.e. condition, mounting, tightness, cleanliness and correct play. Whenever general inspection is to be supplemented by a special operation, only this operation is specified. However, even though it may not be indicated, whenever possible check condition of surrounding structure for cracks, condition of riveting, protective treatment and sealant beads. If signs of corrosion are found, treat as required.

**Preliminary Inspection**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Complete an ALF/Post flight as a preliminary inspection of the aircraft.				
2	Review the aircraft logbook for recorded discrepancies.				
3	Prepare a listing of Airworthiness Directives and Service Bulletins to be complied with.				
4	Prepare a listing of components due retirement or overhaul.				
5	Correct flight log hours and cycles.				
6	Clean interior and exterior of aircraft prior to inspection.				
7	Inspect First Aid Kit, Life Vests, Flashlight and Headsets .	Check for sevicability and expired items.			

**Cowling & Panel Removal**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Remove L/H Transmission cowling.				
2	Remove Engine cowling.				
3	Remove T/R driveshaft covers.				
4	Remove R/H Transmission cowling.				
5	Remove lower forward and aft belly panels.				
6	Remove fuel tank side access panels.				
7	Remove T/R gearbox cover.				

**Electrical 24.00**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Check spare fuses One spare set, or 3 spare fuses of each kind.	FAR 91.205 Para 6		KAM	

2	Check all visible wiring harnesses and electrical components. Inspect master electrical box and reinstall cover.	AMM 24-32-00 4-1 para E1-5 General Inspection			
3	Check external power receptacle and associated wiring.	General Inspection			
4	Check aircraft battery installation. Type <u>RG-390E</u> Batt. S/N <u>40416401</u>	CMM 24.39.06		KAM	
5	Perform required ICA inspections for Relocation of Battery to T/B.	ICA-ECL-125 See Checklist			

**COCKPIT 25-10**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	PILOT AND COPILOTS SEATS – Check.	AMM 25-21-00 6-1		KAM	

**Main Hydraulic System 29-10**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	SINGLE HYDRAULIC GENERATION SYSTEM – SERVO CONTROL – Check of the electrical system part.	AMM 29-10-00 5-1			
2	HYDRAULIC PUMP – DRIVE SHAFT – Visual check and greasing splines.	AMM 63-11-00 3-1		KAM	

**Navigation 34.00**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Check gauge and instrument faces for condition and markings.	RFM		KAM	
2	Reset NON-VOLATILE Memory Diamond J T4 indicator (if equiped)	Diamond J Manual Para 3.4			
3	Reset NON-VOLATILE Memory Diamond J TQ. indicator (if equiped)	Diamond J Manual Para 3.3.3			

**Sliding Door 52-10**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	STANDARD DOOR - Check of sliding window.	AMM 52-12-00 5-1		KAM	

**Sliding Door 52-90**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	SLIDING DOOR – Visual check of the sliding window.	AMM 56-11-00 6-1			
2	SLIDING DOOR – Checking the roller diameter and the front end opening dimension of the middle rail.	AMM 52-12-00 6-3			

**Primary Structure 53-10**


No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	TRANSMISSION DECK – Check	AMM 53-10-00 6-1			
2	TAIL ROTOR DRIVE SHAFT BEARING BRACKET MOUNTS – Visual check of the bearing bracket mounts.	AMM 55-31-00 6-4			



Horizontal Stabilizer 55-10					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	HORIZONTAL STABILIZER – Inspect the skin and the reinforcing strip for cracks.	AMM 55-11-00 6-1	<del>_____</del>		
Vertical Fin 55-20					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	UPPER AND LOWER FIN – Check of skin and mounting.	AMM 55-20-00 6-1	<del>_____</del>		
Main Rotor Blade 62-10					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	SKIN – Check the skin in the area between 900 mm and the blade tip.	AMM 62-11-00 6-1	<del>_____</del>	KAM	
2	BLADES PINS – Greasing.	AMM 62-11-00 4-1	<del>_____</del>	KAM	
Main Rotor Head 62-20					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	STARFLEX ROTOR HUB – Checking the central area.	AMM 62-21-00 6-1	<del>_____</del>		
2	STARFLEX ROTOR HUB – BUSH AND SWIVEL BEARING – Visual check and radial play check.	AMM 62-21-00 6-2	<del>_____</del>		
Main Rotor Mast 62-30					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	MAGNETIC PLUG WITH ELECTRIC DETECTION SYSTEM – Check.	AMM 60-00-00 6-2	<del>_____</del>		
2	ROD END-FITTINGS – Measure the play at bearings.	AMM 62-33-00 6-1	<del>_____</del>		
3	NON-ROTATING AND ROTATING SWASHPLATE – Greasing the bearing.	AMM 62-32-00 3-1	<del>_____</del>		
4	BUSHES AND SCISSORS ATTACHMENT BOLTS - Check	AMM 62-33-00 4-1	<del>_____</del>		
5	SWASHPLATE – Check of guide and swivel bearing. Check for smooth rotation with P/C/L and drive lever (lower) removed. Remove excess grease from swashplate bearing. (inside boot)	AMM 62-32-00 3-1 62-32-00 6-1 62-32-00 6-2	<del>_____</del>		
Engine-to-M-G-B Coupling 63-10					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	HYDRAULIC PUMP - Lub Pre Mod 079561	AMM 63-11-00 6-3	<del>_____</del>	KAM	
2	FLEXIBLE COUPLING - Check	AMM 63-11-00 6-1	<del>_____</del>		
3	HYDRAULIC PUMP – POLY "V" DRIVE-BELT – Drive-belt check. MP/N POLY-V 597K4.	AMM 63-11-00 6-2 63-11-00 6-15	<del>_____</del>	KAM	



**Main Gearbox 63-20**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	MGB – MAGNETIC PLUG WITH ELECTRIC DETECTION SYSTEM – Check.	AMM 60-00-00 6-2	<del>_____</del>		

**MGB Mount and Attachment 63-30**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	MGB SUSPENSION CROSS BAR - Check of laminated stops without removal.	AMM 63-31-00 6-1	<del>_____</del>		

**Tail Rotor 64-10**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Tail rotor blade assembly - Checking the spar for condition without disassembly.	SB 05.11 R5 para. C (1)	<del>_____</del>		
2	Perform a sound check (tapping) to check bonding of the stainless steel leading edge and the electrical bonding plate.	AMM 64-10-00 6-4	<del>_____</del>		

**Tail Rotor Drive 65-10**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	TAIL ROTOR DRIVE SHAFT – BEARING - Condition check.	AMM 65-11-00 6-1 PARA 6-3 PARA 6-4 PARA 6-5 65-21-00 6-20	<del>_____</del>		
2	TAIL ROTOR DRIVE SHAFT – Condition Check.	AMM 65-11-00 6-5	<del>_____</del>		
3	Complete visual inspection of T/R driveshaft bearings.	SB 05.00.08 R5 Para 1C2B	<del>_____</del>		

**Tail Rotor Gearbox 65-20**



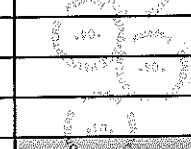
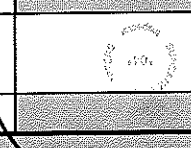
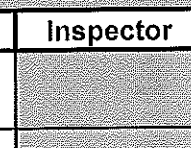




No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	MAGNETIC PLUG WITH ELECTRIC DETECTION SYSTEM - Check.	AMM 60-00-00 6-2	<del>_____</del>		
2	PITCH CHANGE UNIT – SWIVEL BEARING – Check	AMM 65-21-00 6-16	<del>_____</del>		
3	TRH PITCH CHANGE UNIT – LABYRINTH SEAL – LOCK WASHER – Check.	AMM 65-21-00 6-15	<del>_____</del>		
4	TRH PITCH CHANGE UNIT – BEARING – Check	AMM 65-21-00 6-8	<del>_____</del>		

**Servo Control 67-30**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	On B2 aircraft check the yaw damper assembly for cleanliness, leakage and general condition.	AMM 67-34-00 6-2	<del>_____</del>	KAM	



**Engine Controls 76.00**

No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Check anticipator spring-loaded control rod for condition and corrosion.	AMM 76-11-00 4-2	<del>_____</del>		
<b>Starting 80-00</b>					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	STARTER GENERATOR - Checking brushes MP/N 150SG122Q	AMM 24-31-01 6-1	<del>_____</del>		
<b>Final Steps</b>					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Install L/H Transmission cowling.	AMM As Applicable	<del>_____</del>		
2	Install Engine cowling.	AMM As Applicable	<del>_____</del>		
3	Install T/R driveshaft covers. <i>2.5.2</i>	AMM As Applicable	<del>_____</del>		
4	Install T/R gearbox cover.	AMM As Applicable	<del>_____</del>		
5	Install R/H Transmission cowling.	AMM As Applicable	<del>_____</del>		
6	Install lower forward and aft belly panels.	AMM As Applicable	<del>_____</del>		
7	Install fuel tank side access panels.	AMM As Applicable	<del>_____</del>		
6	Inspect for operation and leaks.	AMM RFM	<del>_____</del>		
8	Replace or close all applicable trim panels, covers, and access and inspection doors/covers as necessary.	AMM As Applicable	<del>_____</del>		
9	Make entry in appropriate logbook	GMM As Applicable	<del>_____</del>		
<b>Installed Optional Equipment</b>					
No.	Inspection Item	Reference	Technician	Add Tech.	Inspector
1	Comply with required inspections of installed optional equipment. (ICA)	Approved 337's and STC. See Matrix Attached.	<del>_____</del>		
2	IFS Air Conditioning System	See IFS Checklist Attached	<del>_____</del>		
3	FDC Inlet Air Filter System	See FDC Checklist Attached	<del>_____</del>		

Checklist reviewed for completion. Signature ~~\_\_\_\_\_~~ Cert No. ~~\_\_\_\_\_~~ Date 12.6.11

Additional Technicians;

1. Signature <u><del>_____</del></u> Initials <u>KAM</u>	2. Signature <u><del>_____</del></u> Initials <u><del>_____</del></u>
3. Signature <u><del>_____</del></u> Initials <u>PH</u>	4. Signature _____ Initials _____
5. Signature _____ Initials _____	6. Signature _____ Initials _____
7. Signature _____ Initials _____	8. Signature _____ Initials _____
9. Signature _____ Initials _____	10. Signature _____ Initials _____

Sundance Helicopters, Inc.

**Arriel 1B / 1D1 Series 30/50/100/150/200/300/400/500/600/750/1000/1500 Hour - 1 year Inspection Checklist**

Date	Engine S/N	Engine Total Time	NG Cycle Total	NP Cycle Total
12/5/2011	9043	7400	9667.2	7845.3

**Power Plant Installation**

No.	Inspection Item	Reference	Technician	Inspector
1	Examine axial compressor blades for significant impacts or blade distortion (module 2 installed). Check axial compressor blades for wear as referenced in SB 292-72-0230 for compliance with AD 2003-12-14. Record compliance in the recurring AD compliance record located in the engine logbook.	72-32-00-280-801-A01 SB 292-72-0230 AD 2003-12-14	Rm	
2	Inspect and clean reduction gearbox magnetic plug..(Pre or Post Mod. TU314A)	72-15-00-900-801-A01(Pre) 72-15-00-900-801-B01 (Post)	R	
3	Inspect and clean accessory gear box magnetic plug.(Pre or Post Mod TU308A)	72-61-00-900-805-A01 (Pre) 72-61-00-900-805-B01 Post)	R	
4	Inspection, cleaning of magnetic plugs with indicator at oil outlet and gas generator rear bearing oil return.	79-38-00-900-801-A01	R	

**Oil System**

No.	Inspection Item	Reference	Technician	Inspector
1	Carry out a sampling of the oil for spectrometric analysis.	72-02-08-280-801-A01	R	
2	Inspection and cleaning of gas generator rear bearing oil return strainer.	72-61-00-210-805-A01 79-38-00-210-801-A01	R	
3	Inspection of the oil filter element.	72-61-00-900-802-A01	R	
4	P2 Union / free turbine cleaning. <i>Replaced.</i>	75-29-00-210-801-A01	R	
5	Cleaning of the rear bearing. If oil flow less than 50ml.	72-43-10-100-801-A01	R	
6	Cleaning of the oil scavenge tube and replacement of its seal.	72-43-00-610-801-A01	R	
7	Inspection and check of the strainer of the oil return pipe of the rear bearing.	72-61-00-210-805-A01 72-38-00-210-801-A01	R	

**Air System**

No.	Inspection Item	Reference	Technician	Inspector
1	Check continuity of Bleed Valve wiring. 1D1 Only	75-31-00-750-802	R	
2	Check and clean the P2 air filter of the bleed valve.	75-31-00-210-802-A01	R	
3	Inspection and check of FCU P2 pipe. Check that there is no radial play between the pipe and its maintaining clamp. If play is found, replace the clamp with a new one.	None	R	

①

Fuel System				
No.	Inspection Item	Reference	Technician	Inspector
1	Injection manifold permeability check. <i>7 Sec.</i>	72-43-00-280-804-A01	<i>K</i>	<i>20</i>
Engine				
No.	Inspection Item	Reference	Technician	Inspector
1	Examine the free turbine. (Module 04 installed)	72-54-00-210-801-A01	<i>K</i>	
2	Check exhaust pipe and heat shield (free from cracks, correct attachment).	72-01-30-210-801-A01	<i>K</i>	
3	Do a check for anomalies Module 02 installed – Check the axial compressor blades	72-32-00-280-810-A01 73-32-00-280-801-A01	<i>K</i>	
4	Do a check for anomalies Module 03 installed – Check the combustion chamber	72-43-00-280-806-A01	<i>K</i>	
5	Check for anomalies on the 1st stage turbine blades (Module 03 installed).	72-43-00-280-806-A01	<i>K</i>	
6	Inspect the three hollow struts containing the oil tube.	If oil flow under 50ml.	<i>K</i>	
7	Check condition of casings (no leaks from sealing faces).	72-00-15-900-801-A01	<i>K</i>	
8	Examine the engine front support for cracks.	72-61-00-210-803-A01	<i>K</i>	
9	Inspectio and oil level check of the free wheel assembly. Pre TU 153	72-01-10-210-801-A01 <i>w/h</i>	<i>K</i>	
10	Inspect the end clearance of MO4. Pre TU 70.	72-54-00-210-804-A01 <i>w/h</i>	<i>K</i>	
11	Check operation of H.E. generators and H.E. igniters.	72-43-00-750-801-A01 (1D1) 74-11-00-210-801-A01 (1B)	<i>K</i>	<i>N/A</i>
Accessories				
No.	Inspection Item	Reference	Technician	Inspector
1	Check the following accessories (attachment, condition of pipes and unions, locking of connenctors.	Arriel 1D1 Maint. Manual	<i>R</i>	<i>20</i>
2	Pipes and supports	70-40-02-200-801-A01	<i>K</i>	
3	Turbine casing drain valve assy	72-43-00-280-804-A01	<i>R</i>	
4	Start Injectors	72-43-00-200-802-A01	<i>R</i>	
5	Ignition solenoid valve	73-14-20-210-801-A01	<i>R</i>	<i>20</i>
6	Starting drain valve	73-16-10-200-801-A01	<i>R</i>	<i>20</i>
7	Drain valve of the injection manifold	73-16-20-200-801-A01	<i>R</i>	<i>20</i>
8	Pressurizing valve	73-14-30-200-801-A01	<i>R</i>	<i>20</i>
9	Fuel control unit	73-21-00-200-801-A01	<i>R</i>	<i>20</i>
10	Torquemeter transmitter	72-15-00-210-807-A01	<i>R</i>	<i>20</i>
11	Bleed Valve	75-31-00-210-801-A01	<i>R</i>	<i>20</i>
12	Tachometer transmitter	77-16-00-210-801-A01	<i>R</i>	<i>20</i>



13	Ignition cables and ignitor plugs	72-43-00-200-801-A01 72-43-00-200-803-A01	R	
14	Low oil pressure switch	79-31-00-210-801-A01	R	
15	Oil pump	72-61-00-210-804-A01	R	
16	Check condition and attachment of control and monitoring harness (tightness and locking of connectors).	71-51-00-210-801-A01	R	
17	Check condition of pyrometric harness attachment (tightness of thermocouples).	77-21-00-210-801-A01 77-21-00-210-802-A01	R	
18	Check operation of H.E. generators and H.E. igniters.	72-43-00-750-801-A01	R	
19	Inspection of the engine fire detection system.	26-00-00-210-801-A01	R	
20	Visual inspection of fire detector.	26-11-00-210-801-A01	R	
21	Test of a removed fire detectors.	26-11-00-280-801-A01	R	
22	Check condition and safetying of overspeed sensor blank.		R	

Checklist reviewed for completion. Signature [Signature] Cert No. Ap [Redacted] Date 12/5/11

Additional Technicians;

- |   |                                    |
|---|------------------------------------|
| 1. Signature <u>[Signature]</u> Initials <u>Rra</u> | 2. Signature _____ Initials _____  |
| 3. Signature _____ Initials _____                   | 4. Signature _____ Initials _____  |
| 5. Signature _____ Initials _____                   | 6. Signature _____ Initials _____  |
| 7. Signature _____ Initials _____                   | 8. Signature _____ Initials _____  |
| 9. Signature _____ Initials _____                   | 10. Signature _____ Initials _____ |



Sundance Helicopters, Inc.



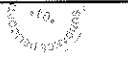
**AS350 Series FDC Aerofilter 100 / 300 Hr. / Annual Inspection Checklist**

<b>Registration</b>	<b>Airframe S/N</b>	<b>Airframe Total Time</b>	<b>Tach Time</b>	<b>Airframe Landings</b>
N37SH	2300	25216.5	1755.2	61405
<b>Date</b>	<b>Engine S/N</b>	<b>Engine Total Time</b>	<b>NG Cycle Total</b>	<b>NP Cycle Total</b>
12/6/2011	9043 (RENTAL)	7400	9667.2	7845.3


**Introduction**

COMPLETE A CHECK OF AIRCRAFT EQUIPPED WITH AEROFILTER ENGINE AIR FILTER SYSTEM IN ACCORDANCE FDC Manual 1350-SERIES-ICA-1 INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, STC SR00811SE, SECTION 3.

**Scheduled Inspections**

No.	Inspection Item	Reference / Interval	Technician	Inspector
1	Inspect, clean and re-oil filter element.	FDC-Series-ICA.	<i>[Handwritten Signature]</i>	
2	Inspect and cycle alternate air doors.	FDC-Series-ICA.		
3	Inspect differential pressure switch / warning annunciator components.	FDC-Series-ICA.		
4	Inspect electrical connections.	FDC-Series-ICA.		
5	Inspect filter housing structure and associated hardware for cracks and general security.	FDC-Series-ICA.		
6	Inspect attachment hardware, remove lower alternate air chamber housing and inspect complete actuator installation for security.	FDC-Series-ICA.		
7	Leak and pressure test differential pressure switch / annunciator system.	FDC-Series-ICA.		

Checklist reviewed for completion. Signature *[Signature]* Cert No. *[Redacted]* Date 12.6.11  
 Additional Technicians;  
 1. Signature *[Signature]* Initials KAM      2. Signature *[Signature]* Initials *[Signature]*



Sundance Helicopters, Inc.

**AS350 Series INTEGRATED FLIGHT SYSTEMS 100 Hr. Inspection Form**

<b>Registration</b>	<b>Airframe S/N</b>	<b>Airframe Total Time</b>	<b>Tach Time</b>	<b>Airframe Landings</b>
N37SH	2300	25216.5	1755.2	61405
<b>Date</b>	<b>Engine S/N</b>	<b>Engine Total Time</b>	<b>NG Cycle Total</b>	<b>NP Cycle Total</b>
12/6/2011	9043 (RENTAL)	7400	9667.2	7845.3

**Introduction**


Complete a check of aircraft equipped with Integrated Flight Systems freon air-conditioning system as referenced in HSN MCM for IFS freon air-conditioning, section 9.

**Scheduled Inspections**

No.	Inspection Item	Reference / Interval	Technician	Inspector
1	Compressor	Para.12.38	<i>[Signature]</i>	
2	Compressor clutch bearing	Para.12.38	<i>[Signature]</i>	
3	Compressor mount	Para.12.38	<i>[Signature]</i>	
4	Refrigerant hose and fittings	Para.12.38	<i>[Signature]</i>	
5	Evaporator fans and mounting	Para.12.38	<i>[Signature]</i>	
6	Condenser blowers and mounting	Para.12.38	<i>[Signature]</i>	
7	Condenser / evaporator coils	Para.12.38	<i>[Signature]</i>	
8	Belts	Para.12.38	<i>[Signature]</i>	
9	Inspect for free rotation of clutch pulley.	Para.12.39	<i>[Signature]</i>	
10	Hardware and condenser mount condition	Para 12.40	<i>[Signature]</i>	
11	Inspect hoses for general condition, cuts or swelling. Replace as required.	Para.12.44	<i>[Signature]</i>	
12	Check fins of the condenser and evaporator coils for cleanliness and damage. If damage has occurred utilize a fin comb to restore straightness.	Para.12.47	<i>[Signature]</i>	
13	Check for appropriate placards.	IFS Instl. Instr.	<i>[Signature]</i>	
14	On AS 350 aircraft inspect condenser inlet fins for damage and security. Replace as required.	Para.12.47	<i>[Signature]</i>	
15	Inspection of clutch bearing. To be replaced at failure.	Para.12.41 & 12.43	<i>[Signature]</i>	
16	Inspection of forward evaporator blower brushes	IFS Blower Maint. Manual	N/A Brushless Motor installed	
17	Inspection of aft evaporator blower brushes	IFS Blower Maint. Manual	<i>[Signature]</i>	
18	Inspection of condenser blower brushes	IFS Blower Maint. Manual	<i>[Signature]</i>	





19	Replace fwd and aft evaporator filters	IFS Instl. Instr.		
20	Check belt for wear and correct tension. Replace as required.	Para 12.42		

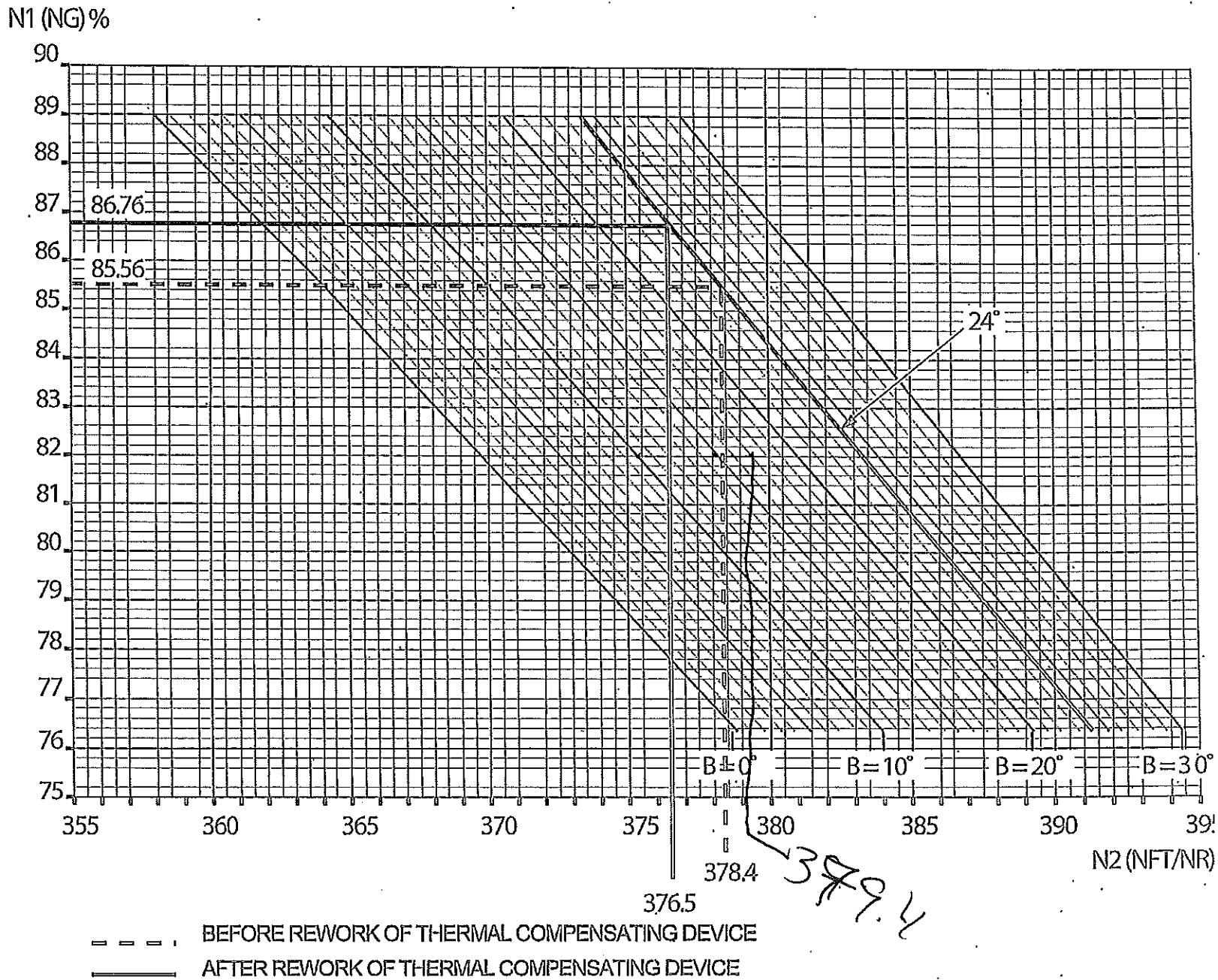
Checklist reviewed for completion. Signature  Cert No.  Date 12.6.11

Additional Technicians; 1. Signature  Initials ef 2. Signature \_\_\_\_\_ Initials \_\_\_\_\_





DATE		ACFT		AFTT	
12-6-11		N37SH		25216.5	
1	ENG VIBE CK <u>40-68%</u> / FLIGHT GATE (ROTATING ASSY)	MM/S			
		6 / 5			
2	N1 COASTDOWN CHECK	SECS			
		67			
3	FCU CHARACTERISTICS CHECK	NG	NR	ANGLE	MIN.
		82	380	17	379.4
4	OIL FLOW CHECK	ML			
		100			
5	BI LEVEL OIL PRESSURE CHECK	260 / 230			
		KPA			
6	T/R BALANCE	IPS			
		2			
7	S/S BALANCE	IPS			
		3			
8	REINJECTION INHIBITION CHECK	✓			
9	NR SET	RPM			
		380			
10	FCU DECEL. CHECK (B2 ONLY)	✓			
11	CHECK OIL LEVELS	✓			
12	GENERATOR OUTPUT CHECK	VOLTS			
		28.4			
13	ACFT LIGHTING CHECK	✓			
14	COMPRESSOR WASH	✓			
15	CHECK FUEL QUANTITY	✓			
16	OIL COOLER BLOWER OP CK	✓			
17	SCAVENGE OIL FILTER BY-PASS CHECK	✓			
18	AIR CONDITIONER PRESSURE CHECK	✓			
19	WIPE ALL DECKS OF ANY OIL RESIDUE	✓			



How to use this diagram

- a) plot point  $N1 (NG)$  to  $B$  to get the value of  $N2 (NFT/NR)$  mini
- b) read the value of  $N2 (NFT/NR)$
- c) make sure that the value of  $N2 (NFT/NR)$  is such that :  
 $N2 (NFT/NR)$  is higher than  $N2 (NFT/NR)$  mini and lower than  $N2 (NFT/NR)$  mini + 5 rpr
- d) if  $N2 (NFT/NR)$  does not agree, refer to Fault Analysis

**Sundance Helicopters**  
**Airframe Recurring Airworthiness Directive / Service Bulletin Compliance Record**  
**Eurocopter AS350 B2, S/N 2300 , N37SH**

The following sheets are contained within this folder if they are applicable to this airframe.

Bulletin Type & Number	Description	Interval	Notes
AD 11-22-05	PARA. (a) & (b) OF THE AD. VISUAL CK OF T/R PITCH ROD SPHERICAL BRGS AND TEFLON CLOTH FOR CONDITION.	DAILY	THIS INSP REQ'D DAILY BY AD 11-22-05 PAPA (a).
AD 11-22-05	PARA. (c) OF THE AD REQUIRES A MEASUREMENT WITH A DIAL INDICATOR AFTER PLAY IS DISCOVERED PER PARA (a).	30 HR	30 HR REQUIREMENT IS NOT NECESSARY UNLESS CERTAIN CRITERIA IS MET ON THE DAILY CK
AD 04-05-23	INSP & LUBE OF M/R SWASHPLATE	100 HR	
AD 03-02-05 / ASB 05.00.41	INSP & MEASUREMENT OF SLIDING DOOR ROLLER & FRONT OPENING OF RAIL	100 HR	
AD 07-06-15	LUBE OF HYD. PUMP SPLINES	110 HR / 6 MO	
AD 00-20-19	INSP OF COMPONENTS RELATED TO GROUND RESONANCE	500 HR / 2 YR	
AD 01-04-14	INSP OF TAILBOOM ATTACHMENT HDWR	30, 2500 HR / 6YR	THE 2500 HR / 6 YR INITIAL REQUIREMENT IS DUE AFTER INSTALLATION NOT FROM THE 30 HR ACCOMPLISHMENT TIME

# N37SH

# Sundance Helicopters Airframe Recurring Airworthiness Directive / Service Bulletin Compliance Record

Eurocopter AS 350 B2 , S/N **2300** , N **375H**

Airworthiness Directive 2011-22-05, Amendment 39-16847, 25 November, 2011

Date of Compliance	Method of Compliance	Aircraft Total Time	Compliance Next Due	Signature & Certification
25 Nov 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25188.2	DAILY	[Signature]
26 Nov 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25192.2	DAILY	[Signature]
11/27/11	As referenced in paragraph (a)&(b) of AD 11-22-05	25195.8	DAILY	[Signature]
11/28/11	As referenced in paragraph (a)&(b) of AD 11-22-05	25198.4	DAILY	[Signature]
11/29/11	As referenced in paragraph (a)&(b) of AD 11-22-05	25201.1	DAILY	[Signature]
30 Nov 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25203.8	DAILY	[Signature]
1 Dec 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25205.1	DAILY	[Signature]
2 Dec 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25205.6	DAILY	[Signature]
3 Dec 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25208.2	DAILY	[Signature]
4 Dec 11	As referenced in paragraph (a)&(b) of AD 11-22-05	25212.1	DAILY	[Signature]
12.6.11	As referenced in paragraph (a)&(b) of AD 11-22-05	25216.5	DAILY	[Signature]
	As referenced in paragraph (a)&(b) of AD 11-22-05		DAILY	
	As referenced in paragraph (a)&(b) of AD 11-22-05		DAILY	

### Method of Compliance



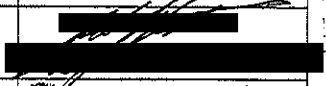








Place the tail rotor pedals in the neutral position. If the helicopter is fitted with a tail rotor load compensator, discharge the accumulator as described in the rotorcraft flight manual. Check the bearing for Teflon cloth out of normal position and play, on the helicopter, by observation and feel, by slightly moving the tail rotor blade in the flapping axis while monitoring the bearing for movement. If play is felt, discontinue daily check and accomplish check with removal (paragraph (c)) of AD until control rod is replaced.

### Interval

Before the first flight of each day, daily inspection as required by paragraph (a) & (b).

**Sundance Helicopters**  
**Airframe Recurring Airworthiness Directive / Service Bulletin Compliance Record**  
**Eurocopter AS 350 B2, S/N 2300, N 37 SH**

**Airworthiness Directive 2004-05-23, Amendment 39-13518, dated 04-14-04**

Date of Compliance	Method of Compliance	Aircraft Total Time	Compliance Next Due (AFTT)	Signature & Certification
7-23-11	As referenced in paragraph (a) of AD 04-05-23	24570.7	24670.7	
8-6-11	As referenced in paragraph (a) of AD 04-05-23	24663.2	24763.2	
08/08/11	As referenced in paragraph (a) of AD 04-05-23	24674.7	24774.7	
8-26-11	As referenced in paragraph (a) of AD 04-05-23	24770.3	24870.3	
8-27-11	As referenced in paragraph (a) of AD 04-05-23	24773.1	24873.1	
09/11/11	As referenced in paragraph (a) of AD 04-05-23	24856.3	24956.3	
10/02/11	As referenced in paragraph (a) of AD 04-05-23	24953.9	25053.9	
10/24/11	As referenced in paragraph (a) of AD 04-05-23	24958.0	25058.0	
10-21-11	As referenced in paragraph (a) of AD 04-05-23	25047.3	25147.3	
11-10-11	As referenced in paragraph (a) of AD 04-05-23	25135.5	25235.5	
12-6-11	As referenced in paragraph (a) of AD 04-05-23	25216.5	25316.5	
	As referenced in paragraph (a) of AD 04-05-23			
	As referenced in paragraph (a) of AD 04-05-23			

Method of Compliance

Inspect and lubricate the main rotor swashplate as referenced in maintenance work card 12.00.00.305 paragraph 2.




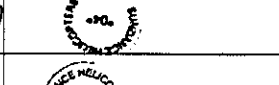



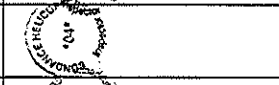
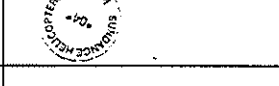

Interval

Repeat the inspection as referenced in paragraph (a) at intervals not to exceed 100 hours time in service.

100 hr

**Sundance Helicopters**  
**Airframe Recurring Airworthiness Directive / Service Bulletin Compliance Record**  
**Eurocopter AS 350 B2, S/N 2300, N 37 SH**

**Airworthiness Directive 2007-06-15, Amendment 39-14996, dated 04-23-07**

Date of Compliance	Method of Compliance	Aircraft Total Time	Compliance Next Due (AFTT / Date)	Signature & Certification
6-16-11	As referenced in paragraph (b) of AD 07-06-15	24369.1	12/11/24479.1	
07/05/11	As referenced in paragraph (b) of AD 07-06-15	24465.3	01/2012 24575.3	
7-23-11	As referenced in paragraph (b) of AD 07-06-15	24570.7	1/12/24680.7	
8-10-11	As referenced in paragraph (b) of AD 07-06-15	24674.7	1/12/24784.7	
8-27-11	As referenced in paragraph (b) of AD 07-06-15	24773.1	24883.1	
09/11/11	As referenced in paragraph (b) of AD 07-06-15	24858.3	03/2012 24968.3	
10/04/11	As referenced in paragraph (b) of AD 07-06-15	24958.0	04/2012 25068.0	
10-21-11	As referenced in paragraph (b) of AD 07-06-15	25047.3	4-2012 25157.3	
11-10-11	As referenced in paragraph (b) of AD 07-06-15	25135.5	5/2012 25245.5	
12.6.11	As referenced in paragraph (b) of AD 07-06-15	25216.5	4/2012 25326.5	
	As referenced in paragraph (b) of AD 07-06-15			
	As referenced in paragraph (b) of AD 07-06-15			
	As referenced in paragraph (b) of AD 07-06-15			

Method of Compliance

Lubricate the belt driven hydraulic pump driveshaft splines as referenced in SB 29.00.04, rev 1, dated 01-27-04.

Interval

Repeat the inspection as required by paragraph (b) of AD 2007-06-15 at intervals not to exceed 110 hours time in service or 6 months, whichever occurs first.

**110 hr / 6 m**



# SUNDANCE HELICOPTERS, INC.

Engine Recurring Airworthiness Directive / Service Bulletin Compliance Record  
 Airworthiness Directive 2003-12-14, Amendment 39-13199, 25 July, 2003, paragraph (c).  
 Service Bulletin A292 72 0230, Update No. 1, 02 February, 2001

Turbomeca Arriel 1D1, S/N 9043

Compliance Date	Method of Compliance	Engine Total Time	Compliance Next Due	Signature & Certification
7-29-11	Check of axial compressor erosion as referenced in paragraph (c).	6993.2	7393.2	
10-7-11	Check of axial compressor erosion as referenced in paragraph (c).	7208.9	7608.9	
10-28-11	Check of axial compressor erosion as referenced in paragraph (c).	7308.8	7708.8	
12-6-11	Check of axial compressor erosion as referenced in paragraph (c).	7400.0	7800.0	
	Check of axial compressor erosion as referenced in paragraph (c).			
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	Check of axial compressor erosion as referenced in paragraph (c).			

Method of Compliance / Interval

Check of axial compressor erosion as referenced in Airworthiness Directive, 2003-12-14, paragraph (c).  
 Completed as referenced in service bulletin A292-72-0230, update no.1, 02 February, 2001, and as directed by  
 maintenance manual chapter 72-32-00.

400 hour interval.

SHEET NUMBER 1

SDAD-001 Revision; Original

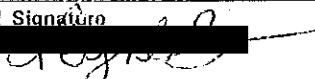
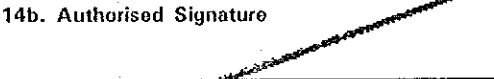
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4. Organisation Name and Address <b>EUROCOPTER</b> <b>13725 MARIGNANE CEDEX</b>	 <b>eurocopter</b> <small>an EADS Company</small>	5. Work Order / Contract / Invoice  ICU F021010041683274
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6. Item	7. Description	8. Part No.	9. Qty	10. Serial No	11. Status / Work
001	END,BALL BEARING	6701800800	1/EA	N/A	NEW

12. Remarks: This document has been issued according to an approved computer generated signature procedure.  
 Alternative MPNs: 67 018 008 00 , EMRL8RSP3C

13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> approved design data and are in condition for safe operation  <input type="checkbox"/> non-approved design data specified in block 12	14a. <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other Regulations specified in Block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.
---	---

13b. Authorised Signature 	13c. Approval / Authorisation Number FR.21G.0003	14b. Authorised Signature 	14c. Certificate / Approval Ref. No
13d. Name LEGROS Brigitte	13e. Date (d/m/y) 25. Oct. 2010	14d. Name	14e. Date (d/m/y)

**User / Installer Responsibilities**

This certificate does not automatically constitute authority to install the item(s).  
 Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.  
 Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



<b>1 Approving Competent Authority / Country</b> DIRECTION GÉNÉRALE DE L'AVIATION CIVILE - FRANCE	<b>2</b> <b>AUTHORISED RELEASE CERTIFICATE</b> <b>EASA FORM 1</b>	<b>3 Form Tracking Number</b> 11264142/09
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<b>4 Approved Organisation Name and Address</b> <b>EUROCOPTER</b> <b>13725 MARIGNANE CEDEX</b>	 <b>eurocopter</b> <small>an EADS Company</small>	<b>5 Work Order / Contract / Invoice</b>  <b>ICU F021010035539518</b>
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6 Item	7 Description	8 Part No.	9 Eligibility(*)	10 Quantity	11 Serial / Batch No.	12 Status / Work
001	END,BALL BEARING	6701800800 MPN: EMRL8RSP3D	AS 332,AS 350 AS 355,AS 365 AS 366,EC 120 EC 130,EC 225 SA 341,SA 342 SA 360	1/EA	N/A	MANUFACTURED


**13 Remarks:** This document has been issued according to an approved computer generated signature procedure.  
 Alternative MPNs: 67 018 008 00 , EMRL8RSP3C


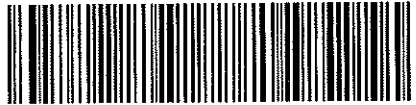
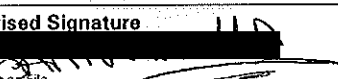
<b>14 Certifies that the items identified above were manufactured in conformity to:</b>  <input checked="checked" type="checkbox"/> approved design data and are in condition for safe operation  <input type="checkbox"/> non-approved design data specified in block 13	<b>19</b> <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other Regulations specified in Block 13  Certifies that unless otherwise specified in block 13, the work specified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.
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<b>15 Authorised Signature</b> 	<b>16 Approval / Authorisation Number</b> FR.21G.0003	<b>20 Authorised Signature</b> 	<b>21 Certificate / Approval Ref. No</b>
<b>17 Name</b> LEGROS Brigitte	<b>18 Date (d/m/y)</b> 30. Nov. 2009	<b>22 Name</b>	<b>23 Date (d/m/y)</b>

**User / Installer Responsibilities**

**Note:** 1 It is important to understand that the existence of the document alone does not automatically constitute authority to install the part/component/assembly.  
 2 Where the user/installer works in accordance with the national regulations of an airworthiness authority different from the airworthiness authority specified in block 1 it is essential that the user/installer ensure that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority specified in block 1.  
 3 Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record shall contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.


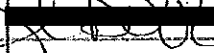
1. Approving Competent Authority / Country DIRECTION GÉNÉRALE DE L'AVIATION CIVILE - FRANCE		2. <b>AUTHORISED RELEASE CERTIFICATE</b> <b>EASA FORM 1</b>			3. Form Tracking Number 10923214/11	
4. Organisation Name and Address <b>EUROCOPTER</b> Aéroport International Marseille Provence 13725 Marignane, France			 <b>EUROCOPTER</b> AN EADS COMPANY		5. Work Order / Contract / Invoice  ICU F021010049020389	
6. Item	7. Description	8. Part No.	9. Qty	10. Serial No	11. Status / Work	
001	FIBRE	350A3712992001	1/EA	N/A	NEW	
12. Remarks: This document has been printed from electronic file.						
13a. Certifies that the items identified above were manufactured in conformity to:				14a.		
<input checked="" type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12				<input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other Regulations specified in Block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service.		
13b. Authorised Signature  <small>Electronic Signature on File</small>		13c. Approval / Authorisation Number FR.21G.0003		14b. Authorised Signature  <small>Electronic Signature on File</small>		14c. Certificate / Approval Ref. No
13d. Name VIOTTOLO Louis		13e. Date (d/m/y) 26. Oct. 2011		14d. Name		14e. Date (d/m/y)
<b>User / Installer Responsibilities</b>						
This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

1. Approving Competent Authority / Country DIRECTION GÉNÉRALE DE L'AVIATION CIVILE - FRANCE		2 <b>AUTHORISED RELEASE CERTIFICATE EASA FORM 1</b>			3. Form Tracking Number 10424411/11	
4. Organisation Name and Address <b>EUROCOPTER</b> Aéroport International Marseille Provence 13725 Marignane, France			 <b>EUROCOPTER</b> AN EADS COMPANY		5. Work Order / Contract / Invoice  ICU F021010045999069	
6. Item	7. Description	8. Part No.	9. Qty	10. Serial No	11. Status / Work	
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12. Remarks: This document has been printed from electronic file. Alternative MPNs: 704A33-699-008						
13a. Certifies that the items identified above were manufactured in conformity to:				14a.		
<input checked="" type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12				<input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other Regulations specified in Block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.		
13b. Authorised Signature 		13c. Approval / Authorisation Number FR.21G.0003		14b. Authorised Signature		14c. Certificate / Approval Ref. No
13d. Name CAMPANELLA Corinne		13e. Date (d/m/y) 20. May 2011		14d. Name		14e. Date (d/m/y)
<b>User / Installer Responsibilities</b>						
This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

 <b>Turbomeca</b> SAFRAN Group	No de la déclaration: Statement No. <b>000823594</b> Nummer des Erklärung		DECLARATION DE CONFORMITE (NF L 00-015C)  STATEMENT OF CONFORMITY (NF L 00-015C)
			
Usine/Works/Werks  <b>Taverzny</b>	Nombre de feuilles Number Of Sheets Anzahl der Seiten  <b>1</b>	ÜBEREINSTIMMUNGSERKLÄRUNG (NF L 00-015C)	

Client : PATTONAIR USA ***INTER.TRF ONLY*** Customer Kunde	Etablissement : Company <b>2709 FORUM DRIVE</b> Betriels  <b>75052-7027 GRAND PRAIRIE</b> <b>USA</b> <b>TX 76118</b>
--	--

No de la commande ou du marché : Order or contract No Nummer des Auftrages oder des Kaufvertrages  <b>TRANSFER</b>	No et date du bordereau de livraison : Number and date of delivery note Nummer und Datum des Lieferscheins  <b>14/06/11</b>
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Designation Designation Bezeichnung	Référence ou type Reference or type Nummer oder Typ	Quantité Quantity Stückzahl	Autres renseignements Further Information Sonstige Angaben	No individuel ou de lot Serial or batch number Serien oder Losnummer
O-RING SEAL	9794236323	78 EA	Standard Part	11137386
 <b>Certified True Copy Statement</b>  We TURBOMECA USA certify that this document is a true copy of the Authorized Release Certificate. The original Authorized Release Certificate received by our facility is maintained on file pursuant to our document retention standards. The Original Form Tracking Number is as stated in Block 3 of this copy and the New Tracking Number for this batch split is WQ# or SO# <b>00-231461</b> . The Number of packs being shipped under this certification is (Qty Shipped) <b>26 of 78</b> .  Quality Representative Signature  Date: <b>10-14-11</b>				

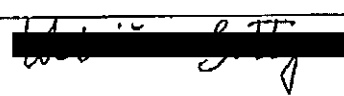

Nous déclarons que la fourniture citée est conforme aux exigences du contrat et que, après vérifications et essais, elle répond en tout point, aux exigences spécifiées aux normes et règlements applicables, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration de conformité

We hereby declare, barring exceptions, reservations or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and that, after completion of testing and verification they completely satisfy all specified requirements and applicable standards and regulations.

Wir erklären, dass die vorliegende Lieferung in Übereinstimmung mit den Vertragsanforderungen hergestellt wurde und dass sie, nach Durchführung dieser Kontrollen und Prüfungen, in jeder Hinsicht den in den diesbezüglich gültigen Normen und Vorschriften festgelegten Anforderungen, bis auf die in dieser Übereinstimmungserklärung genannten Ausnahmen, Vorbehalte oder Abweichungen, entspricht.

Renseignements particuliers aux fournitures livrées - Dérogations enregistrables / Information particular to the supplies delivered - Recordable concessions / Spezelle Angaben zu den Lieferungen - Registrierte Abweichungen	/
--	---

**Visas - Signatures - Beglaubigung**

Controle Fournisseur / Suppliers Inspection / Kontrolle des Lieferanten	Visa et date du Service de SURVEILLANCE / Signature and date of INSPECTION AUTHORITY / GÜTEPRÜFDIENST zu beglaubigen und zu datieren(1)
Nom et fonction : Name and title Name und Stellung   	<del>           Nom et fonction :            Name and title            Name und Stellung         </del>
Date / Datum <b>14/06/11</b>	<del>           Date / Datum            SIGNATURE / Unterschrift         </del>

(1) Eventuellement / If applicable / Wenn zutreffend

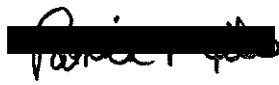
1. Approving National Aviation Authority/Country FAA/United States	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number 169369
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4. Organization Name and Address Able Engineering & Component Services, Inc., 2920 E. Chambers St., Phoenix, AZ 85040 (A1LR190N)	5. Work Order/Contract/Invoice Number: 2395
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6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work
1	PITCH CONTROL ROD	350A33-2145-01	"N/A"	1	S22477	OVERHAULED

13. Remarks  
OVERHAULED COMPONENT AND REPLACED SILENBLOC BUSHING ONLY I.A.W. EUROCOPTER MRV. 65C, REV. 24, DATED 11-27. REPLACED SPHERICAL BEARING ONLY I.A.W. EUROCOPTER, CLASS C, CHAP. 65, REV. 12, DATED 11-27. THE ENTIRE COMPONENT WAS NONDESTRUCTIVELY INSPECTED I.A.W. ASTM-E-1417 05E1 AND FOUND ACCEPTABLE (NO DEFECTS NOTED). DOCUMENTATION FOR ALL WORK PERFORMED ON FILE. END.

14. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
--	--

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: A1LR190N
17. Name	18. Date	22. Name Patrick Miles	23. Date Oct/29/2011

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.


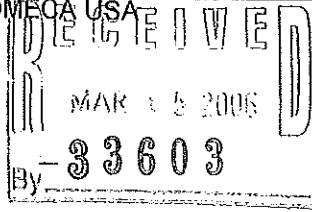
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

These commodities, technology, or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

\*Installer must cross-check eligibility with applicable technical data.

203 B05

<b>Fournisseur/Supplier/Lieferant</b>  <b>Turbomeca</b> Groupe SAFRAN		<b>N° de la déclaration :</b> Statement n° Nummer des Erklärung 80159268	<b>DECLARATION DE CONFORMITE</b> (NF L 00-015C)  <b>STATEMENT OF CONFORMITY</b> (NF L 00-015C)
<b>Usine/Works/Werks</b> 1002 Turbomeca Tarnos		<b>Nombre de feuilles</b> Number of sheets Anzahl der Seiten 1 / 1	<b>ÜBEREINSTIMMUNGSERKLÄRUNG</b> (NF L 00-015C)
<b>Client :</b> TURBOMECA USA Customer Kunde		<b>Etablissement :</b> Company Betriels TURBOMECA USA attention: Robert Mc Grath GRAND PRAIRIE 2709 FORUM DRIVE DALLAS TX 75052 USA	
<b>N° de la commande ou du marché :</b> MO5- ARRIEL 2S1 Order or contract N° Nummer des Auftrages oder des Kaufvertrages		<b>N° et date du bordereau de livraison :</b> Number and date of delivery note Nummer und Datum des Lieferscheins 80159268 03/03/2006	

Désignation Designation Bezeichnung	Référence ou type Reference or type Nummer oder Typ	Quantité Quantity Stückzahl	Autres renseignements Further information Sonstige Angaben	N° individuel ou de lot Serial or batch number Serien oder Losnummer
WASHER	9975070024	150 PC	Standard part	N/A
WASHER	9975050024	135 PC	Standard part	N/A
NUT	9866207026	60 PC	Standard part	N/A
SCREW	9836405024	390 PC	Standard part	N/A
SCREW	9836405014	90 PC	Standard part	N/A
O-RING	9794080203	2 PC	Standard part	5-48840
		11 PC		5-48853
		1 PC		5-48870
		1 PC		5-48877
GASKET	9752100100	15 PC	Standard part	N/A
WASHER	9740050022	585 PC	Standard part	N/A

Nous déclarons que la fourniture citée est conforme aux exigences du contrat et que, après vérifications et essais, elle répond en tout point, aux exigences spécifiées, aux normes et règlements applicables, sauf exceptions, réserves ou dérogations énumérées dans la présente déclaration de conformité :

We hereby declare, barring exceptions, reservations, or exemptions listed in this statement of conformity, that the listed supplies comply with the contract requirements and that, after completion of testing and verification, they completely satisfy all specified requirements and applicable standards and regulations:

Wir erklären, daß die vorliegende Lieferung in Übereinstimmung mit den Vertragsanforderungen hergestellt wurde und daß sie, nach Durchführung aller Kontrollen und Prüfungen, in jeder Hinsicht den in den diesbezüglich gültigen Normen und Vorschriften festgelegten Anforderungen, bis auf die in dieser Übereinstimmungserklärung genannten Ausnahmen, Vorbehalte oder Abweichungen, entspricht :

Renseignements particuliers aux fournitures livrées- Dérogations enregistrables /Information particular to the supplies delivered- Recordable concessions/ Spezielle Angaben zu den Lieferungen-Registrierte Abweichungen

**VISAS - SIGNATURES - BEGLAUBIGUNG**

<b>Contrôle Fournisseur/Supplier's Inspection/Kontrolle des Lieferanten</b>		<b>Visa et date du Service de SURVEILLANCE/Signature and date of INSP. AUTHORITY/GÜTEPRÜFDIENST zu beglaubigen und zu datieren (1)</b>	
<b>Nom et fonction :</b> FANEM C Name and title Name und Stellung (DIA / L 324)		<del> <b>Nom et fonction :</b>          Name and title          Name und Stellung       </del>	
<b>Date / Datum</b> SIGNATURE		<b>Date / Datum</b> SIGNATURE	



<b>1. Approving National Aviation Authority/Country:</b> FAA/UNITED STATES	<b>2. AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	<b>3. FAA Form Tracking Number:</b> PFI090911-9
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<b>4. Organization Name and Address:</b> Purolator Facet Inc. 8439 Triad Drive Greensboro, N.C. 27409-9621 (PQ1207CE)	<b>5. Work Order/Contract/Invoice Number:</b> 14855
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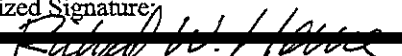

6. Item:	7. Description:	8. Part Number:	9. Eligibility *	10. Quantity:	11. Serial/ Batch Number:	12. Status/Work:
1	Element Assembly	1763445	N/A	20	N/A	NEW

**13. Remarks:** MFG DATE: 09/11  
 CURE DATE: 1Q10  
 SHELF LIFE: None

**Airworthiness Approval**

APPROVED REPLACEMENT FOR: Turbomeca (Eurocopter) P/N: 9560158180 & 9560124800 and SoFrance P/N: CH8998103461D03

<b>14. Certifies the items identified above were manufactured in conformity to:</b>  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation.  <input type="checkbox"/> Non-Approved design data specified in Block 13.	<b>19.</b> <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other Regulations specified in Block 13  Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
--	--

<b>15. Authorized Signature:</b> 	<b>16. Approval/Authorization No.:</b> <b>DMIR511162CE</b>	<b>20. Authorized Signature:</b> 	<b>21. Approval/Certificate No.:</b>
<b>17. Name (Typed or Printed):</b> <b>Richard W. Horne</b>	<b>18. Date (m/d/y):</b> <b>Sep/09/2011</b>	<b>22. Name (Typed or Printed):</b>	<b>23. Date (m/d/y):</b>

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



# PARTS REQUEST FORM

S U

Return Only

N 378H ENGINE S/N

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	350PA33-2145-01	T/R P/C L w/K	22977	O/H	2398	3052

Request Date 12.6.11

Requested By Bow

Aircraft / Engine Total Time at Install 25216.5

Approved By MS

WHITE COPY - PARTS

YELLOW COPY - TRACKING / RETURN

SDP-002 Revision; Original



# PARTS REQUEST FORM

S U

Return Only

N 37 11 ENGINE S/N

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	701133-699-0008	Boot		N	9195	9834
6	2222036-05000116	Screw		N	9195	4D

Request Date 12.6.11

Requested By CW

Aircraft / Engine Total Time at Install 25716.5

Approved By JS



# PARTS REQUEST FORM

S U

Return Only

N 3781 ENGINE S/N

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	23134AG WASH L	Washer	NA	N	11035	L3A
<del>1</del>	<del>23111AG O6 P L E</del>	<del>Washer</del>	<del>NA</del>	<del>N</del>	<del>8173</del>	<del>L3A</del>
1	2273 ABC P B B 32 H	Bot	NA	N	6626	3B24
1	23142 AG WASH L	Washer	NA	N	6626	L3A

Request Date 12.6.11

Requested By Cowd

Aircraft / Engine Total Time at Install 25216.5

Approved By Cowd



# PARTS REQUEST FORM

N 37

S U

ENGINE S/N

Return Only

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	370137445201 -1299-20001	Adhesive		N	<del>7973</del> 9273	3A TOP

Request Date 12-6-11

Requested By COW

Aircraft / Engine Total Time at Install 25,216.5

Approved By [Signature]

WHITE COPY - PARTS

YELLOW COPY - TRACKING / RETURN

SDP-002 Revision; Original



# PARTS REQUEST FORM

**S** **U**

RENTAL  
Return Only

N 3737

ENGINE S/N 9043

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	0292005220	eng 101	9043	RRD	8925	
1	<del>2X11,221A7</del>	ORing				
1	9794236323			N	9360	1E

Request Date 12-6-11

Requested By [Signature]

Aircraft / Engine Total Time at Install 25216.5

Approved By [Signature]



# PARTS REQUEST FORM

S U

Return Only

N 3784 ENGINE S/N

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
2	12/3468P	Rod end	—	N	9441	4D21
AH	6701800800					3C55

Request Date 7-6-11

Requested By [Signature]

Aircraft / Engine Total Time at Install 25216.5

Approved By [Signature]

WHITE COPY - PARTS

YELLOW COPY - TRACKING / RETURN

SDP-002 Revision; Original



# PARTS REQUEST FORM

(S) U

Return Only

N 378H

ENGINE S/N

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
<del>1</del>	<del>1067246</del>	<del>Prop change kit</del>				
1	1067246	Servo motor F/A	BX264	O/H	2406	
1	1067032	Servo T/R	DK287	O/H	2448	
8	81510-112-21137	ORing	—	N	9048	16

Request Date 12-16-11

Requested By GW

Aircraft / Engine Total Time at Install 25216.5

Approved By [Redacted]

WHITE COPY - PARTS

YELLOW COPY - TRACKING / RETURN

SDP-002 Revision; Original





# PARTS REQUEST FORM

S U

Return Only

N

ENGINE S/N 7043

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	1763445	oil filter	/	N	9279	11C-25
1	9752008044	Seal	/	N	9318	2C54
1	0111720140	Seal	/	N	9333	AIG
1	0000220160	Seal	/	N	9333	AIC
4	9998050021	ignifer tubes	/	N	9258	A3E
1	9752100120	Seal <sup>Turbine</sup> case drain	/	N	8930	2C56
4	9520010627	Seal Air	/	N	9019	3D81
4	9752100100	Seal Air	/	N	9360	2C55
2	9752022044	Seal <sup>TV</sup> 208	/	N	9401	2C55
2	9682001372	parting <sup>with</sup> Ho/.	/	N	9269	AIC

Request Date 11/25/11

Requested By [Signature]

Aircraft / Engine Total Time at Install 7400

Approved By [Signature]



# PARTS REQUEST FORM

S U

Return Only

N

ENGINE S/N

9043

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
2	9817051114 OR	Pellets				
2	<del>9805</del> 9801051114	Pellets		N	9342	2R
3	9975050024	Washers		N	3905	3R

Request Date 11/28/11

Requested By [Signature]

Aircraft / (Engine) Total Time at Install 7400.0

Approved By [Signature]

WHITE COPY - PARTS

YELLOW COPY - TRACKING / RETURN

SDP-002 Revision; Original



# PARTS REQUEST FORM

S 0  
ENGINE S/N

Return Only

9013

N

QTY	PART NUMBER	DESCRIPTION	SERIAL NUMBER	CONDITION	PO#	BIN LOCATION
1	7682004103	fueling	NA	NEW	9249	LIE
1	7682001952	fueling	NA	NEW	9318	LIE

Request Date 11/21/11

Requested By [Redacted]

Aircraft/Engine Total Time at Install 7400.00

Approved By [Redacted]

WHITE COPY - PARTS

YELLOW COPY - TRACKING / RETURN

SDP-002 Revision; Original

## ARRIEL 1D1 ENGINE CHANGE KIT

QTY	PART #	DESCRIPTION	A/C LOCATION	BIN LOCATION	PO #
1	9752100180	SEAL	P2 HEATER FITTING	3-D-8-1	7142
2	DHS613-595-07	GASKET, ALUMINUM	FCU UNION	4-C-4-2	8917
1	MS29513-210	O-RING	T/R TAKEOFF FLANGE	LISTA1-B	9278
1	350A34-1032-20	PLATE, LOCK	T/R TAKEOFF FLANGE	2-B-8-7	9019
2	DHS613-595-09	GASKET, ALUMINUM	OIL RETURN LINE	LISTA1-H	9091
2	DHS613-595-20	GASKET, ALUMINUM	OIL RETURN LINE	LISTA1-H	8791
1	2X11-2-21A7	O-RING	OIL PSI XMITTER	LISTA4-B	9048
1	DHS613-595-04	GASKET, ALUMINUM	OIL PSI XMITTER	4-C-4-2	3685
1	9682001952	O-RING	FCU ATTACHMENT	LISTA 1-E	8184
1	9682004403	O-RING	FCU ATTACHMENT	LISTA 1-E	9249
1	0000450460	GASKET	TACH GEN	1-D-2-2	8825