

American Eurocopter Flight Log & Maintenance Record

Date: October 1, 2014

N137AH

I find that this aircraft by model AS350B3, S/N 7934 meets the requirements for the certification requested, and have issued a Standard Airworthiness Certificate dated October 1, 2014 per Section 21.183a, the next inspection due in accordance with CFR-14 91.409F3

William R. Barnes

Cycles

Engine Data Power Check

No. 1 GP No. 1 NP No. 2 GP No. 2 NP

#1 #2

O.A.T.C

NG/N1

Rotor RPM

Torque

T4/T.O.T

Chart Value

Date:

October 1, 2014

Airframe

Landings

YEMP Total

Cycles

YEMP Returns

S/N

#1 Engine

No. 1 GP No. 1 NP No. 2 GP No. 2 NP

50575

#2 Engine

Carried Forward

1.3

12

10

4

9.12

3.5

1.3

Total Time Today

Totals

1.3

12

10

4

1.3

Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with (Transfer All Open Discrepancies to Front of Log Book)

Mechanic/Pilot

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition"

Signature

A&P #

Date

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	ENGINE Cycles		VEMD READS		usage %	Engine Data Power Check	
				N ₁	N ₂	N ₁	N ₂		#1	#2
Robinson	Ground Run	—	—	0.50	0.18			0.1	O.A.T.C	
									Press. Alt.	
									NG/N1	
									Rotor RPM	
									Torque	
									T4/T.O.T	
									Chart Value	
Date: <u>October 7, 2014</u>	Airframe	Landings	ENGINE Cycles		VEMD Totals		total		SIN #1 Engine	#2 Engine
			N ₁	N ₂	N ₁	N ₂	%			
Carried Forward	1.3	12	9.12	3.5	10	4	0.1		1.3	
Total Time Today			0.50	0.18						
Totals	1.3	12	9.62	3.68			0.1		1.3	
Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with (Transfer All Open Discrepancies to Front of Log Book)								Mechanic/Pilot		
<u>Performed daily inspection IAW AS150 Maintenance Manual</u> <u>chapter 05-40-00-1-7 No discrepancies noted at this time. END</u>								<u>10-07-2014</u> <u>A+PTA</u>		
<u>15 hr 7 day inspection due at 16.2 FTH hour or 10-07-19 IAW</u> <u>Turbo prop Maintenance Manual chapter 05-20-10-201-220-A01</u> <u>engine. END</u>								<u>Complied with 15 days or 7 day</u> <u>Engine inspection IAW Turbo prop</u> <u>Maintenance manual chapter</u> <u>05-20-10-201-220-A01</u>		
I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition.										
Signature <u>[Signature]</u>								Date <u>10-7-14</u>		

69	67
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American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	ENGINE Cycles		VEMO READS		usage	Engine Data Power Check		
				N ₁	N ₂	N ₁	N ₂		%	#1	#2
HART	GROUND RUN	-	-	0.50	0.25			0.1	O.A.T.C.		
									Press. Alt.		
									NG/N1		
									Rotor RPM		
									Torque		
									T4/T.O.T		
									Chart Value		
Date: 21 OCT 2014	Airframe	Landings		ENGINE Cycles		VEMO Totals		total	SIN		
Earned Forward	1.3	12		N ₁	N ₂	N ₁	N ₂	%	#1 Engine	#2 Engine	
Total Time Today				10.12	3.93			0.1	50.575		
Totals	1.3	12		0.50	0.25				1.3		
				10.62	4.18			0.1	1.3		
Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with (Transfer All Open Discrepancies to Front of Log Book)											
PERFORMED DAILY INSPECTION IN ACCORDANCE WITH AS 350 B3 MAINTENANCE MANUAL. NO DISCREPANCIES NOTED. REF. 05-40-00, 6-7.											
PERFORMED 7 day 15 Hour ENG INSPECTION IN ACCORDANCE WITH THEROMEGA ARRIEL 2D MAINTENANCE MANUAL 05-20-10-201-801-AD1.											
GROUND RUN COMPLETED											
I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition.											
Signature: [Redacted] AEP # [Redacted] 3618											
Date: 10-21-14											

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	ENGINE Cycles		VEMO READS		usage	Engine Data Power Check		
				N ₁	N ₂	N ₁	N ₂		%	#1	#2
#1	Ground Run	-	-	0.12	0.50			0.1	O.A.T.G.		
#2	Ground Run	-	-	0.50	0.25			0.1	Press. Alt.		
D. Robinson	GTR-ELD	1.6	1	0.75	0.37			0.1	NG/N1		
D. Robinson	ELD-GPM	1.5	1	0.68	0.31			0.1	Rotor RPM		
									Torque		
									T4/T.O.T		
									Chart Value		
Date: 2/02/2014		Airframe	Landings	ENGINE Cycles		VEMO Totals		total	S/N	#1 Engine	#2 Engine
Carried Forward		1.3	12	10.62	4.18			0.1	50575		
Total Time Today		3.1	2	2.05	1.43				1.3		
Totals		4.4	14	12.67	5.61	13	5	0.1	4.4		
Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with (Transfer All Open Discrepancies to Front of Log Book)									Mechanic/Pilot		
Performed daily inspection IAW Maintenance Manual chapter 05-40-00, 6-7. No discrepancies noted at this time END -Based on VEMO FLT Reports. A typographical error starting on page 25 for engine cycles - should have read N₁-9.12, N₂-3.50 VEMO Totals 13-9, N₁-4; also #1 & #2 ground runs were not logged											
"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."											
Signature: [Redacted]				ARP # 11 [Redacted]				Date: 10-23-2014			



**AIRBUS
HELICOPTERS**

2701 N. Forum Drive
Grand Prairie, TX 75052

ACFT: AS350B3

S/N: 7934

Reg. #: N137AH

SOW: 1882301

AIRFRAME INSPECTIONS, MAINTENANCE & MINOR ALTERATIONS:

- Installed AHI Ferry Radio units in existing type certificated provisional locations in accordance with AS350B3 AMM O.R.I.O.N Online AS350B2/B3 Rev. 001.00 dated 2014.07.03 chapter 34-09-00, 4-1 consisting of the following units: A GARMIN GNS430 Sn: 97142361, a GMA340 Sn: 96282265 and transponder GTX327, Sn: 8372666. Please remove and return to Airbus Helicopters upon reaching final destination.
- Applied Windshield perimeter UV Paint - Maparo Black, RAL9011, Hardener 1500M.
- Accomplished the following inspections in accordance with AS350 B3 MSM O.R.I.O.N Online AS350B2/B3 Rev. 001.00 dated 2014.07.03 chapter 05-26-00, all other inspections up to ACFT.T/T: 4.4 FH were previously accomplished under PC343CE, reference inspection log book section 1 "Embodied Maintenance Operations"
 - 2800 - 3FH Fuel Tank GVI Checking strap tension and position GVI on November 14, 2014 at ACFT.T/T: 4.4 FH.
 - 5310 - 2FH Cabin Anti-Vibrator Mount RTQ attachment bolts on November 13, 2014 at ACFT.T/T: 4.4 FH.
 - 5520 - 2FH Upper and Lower Pin RTQ attaching hardware on November 11, 2014 at ACFT.T/T: 4.4 FH.
 - 6220 - 2FH MRH TCK Tightening Torque Check of the Main Rotor Hub components on November 14, 2014 at ACFT.T/T: 4.4 FH.
 - 6230 - 2FH Main Rotor Shaft TCK Tightening Torque Check on November 14, 2014 at ACFT.T/T: 4.4 FH.
 - 6330 - 2FH Suspension Bar TCK on November 14, 2014 at ACFT.T/T: 4.4 FH.
 - 6410 - 2FH TRH RTQ Readjustment of tightening torque on November 13, 2014 at ACFT.T/T: 4.4 FH.
 - 6410 - 1FH Tracking Fingers GVI Visual check on November 13, 2014 at ACFT.T/T: 4.4 FH.
 - 6510 - 2FH Forward Shaft GVI on November 13, 2014 at ACFT.T/T: 4.4 FH.
 - 6520 - 2FH TGB GVI on November 13, 2014 at ACFT.T/T: 4.4 FH.
 - 6520 - 2FH Attachment Bolt TCK on November 13, 2014 at ACFT.T/T: 4.4 FH.
 - 6730 - 2FH Main Servo Control RTQ on November 13, 2014 at ACFT.T/T: 4.4 FH.
- Based on Aircraft manufacturing date September 2014 the following calendar inspections / checks were accomplished in accordance with AS350B3 MSM O.R.I.O.N Online AS350B2/B3 Rev. 001.00 dated 2014.07.03 chapter 05-25-00.
 - 2566 - 1M ELT Functional check INTEGRA AP-H, Sn: LX11000104198 accomplished on November 15, 2014, at ACFT.T/T: 4.4 FH.
 - 6210 - 6M Blade Pin LUB on November 15, 2014 at ACFT.T/T: 4.4 FH.
- Encoded the INTEGRA AP-H ELT with the current FAA registration information: N137AH and tested system in accordance with CFR 14 part 91.207(d) on this day, November 15, 2014, ACFT.T/T: 4.4 FH. ELT battery replacement due date: 01/2021; ELT S/N LX11000104198, Cospas Sarsat coding No. CSN: 409792.
- Transponder test required by 14 CFR part 91.413 was accomplished in accordance with 14 CFR part 43 Appendix E, paragraph (c) and Appendix F, cert date March 25, 2014 for Airbus Helicopters Ferry Radio model GTX327, Sn: 8372666 and supersedes Transponder Ferry Radio Package entry under PC343CE dated October 22, 2014.

Continued on next page...

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature _____

A&P # _____

Date _____



AIRBUS
HELICOPTERS

2701 N. Forum Drive
Grand Prairie, TX 75052

Continued from previous page.....

ACFT: AS350B3

S/N: 7934

Reg. #: N137AH

SOW: 1882301

- **Removed** VEMD Pn: B35000FA01 Sn: 9053 Amdt A in accordance with AS350B2/B3 AMM O.R.I.O.N Online AS350B2/B3 Rev. 001.00 dated: 2014.07.03 chapter 31-61-00, 4-1B. **Installed** VEMD Pn: B35000FA01 Sn: 9630 Amdt A & B in accordance with AS350B2/B3 AMM O.R.I.O.N Online AS350B2/B3 Rev. 001.00 dated: 2014.07.03 chapter 31-61-00, 4-1B.
- Accomplished a leak check, inspection and test of the Aircraft Static Pressure System in accordance with 14 CFR part 91.411 in conjunction with 14 CFR part 43, Appendix E, paragraph (a) on this date: November 15, 2014.
- Installed Dual Controls in accordance with Eurocopter France AS350B3 AMM 67-10-00, 4-2.
- All Airframe Airworthiness Directives have been verified for compliance up to and including current: BI-Weekly 2014-23.

AIRFRAME MAJOR ALTERATIONS:

- Applied basic External Markings and placards in accordance with American Eurocopter STC SH2973SW-D, reference FAA Form 337 dated November 19, 2014.

ENGINE INSPECTIONS:

- Accomplished all applicable requirements of a 15 FH/7 Day engine inspection in accordance with Turbomeca ARRIEL 2D engine maintenance manual chapter 05-20-10-201-620-A01 dated on October 28, November 04, November 11, and November 18, 2014. ACFT T/T: 5.0 FH.
- All Engine Airworthiness Directives have been verified for compliance up to and including current: BI-Weekly 2014-23.

I hereby certify all work performed at this repair station CRS VYR575K has been done in accordance with current regulations of the Federal Aviation Administration. A complete description of work and all pertinent details are on file at American Eurocopter. This Aircraft is approved for return to service with respect to the work performed at A/C T/T: 5.2 flight hrs.

Signature: [Redacted]

Date: November 19, 2014

Airbus Helicopters Inc. [Redacted]

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	ENGINE Cycles		VEMO READS		usage %	Engine Data Power Check		
				N ₁	N ₂	N ₁	N ₂		#1	#2	
18/ Nov/2014	AHI Flight Test totals	0.8	3	3.93	1.98	17	8	0.1	O.A.T./C		
									Press. Alt.		
									NG/N1		
									Rotor RPM		
									Torque		
									T4/T.O.T		
									Chart Value		
Date: 18/ Nov/2014	Airframe	Landings		ENGINE Cycles		VEMO Totals		total	S/N #1 Engine 50535	#2 Engine	
				N ₁	N ₂	N ₁	N ₂	%			
Carried Forward	4.4	14		12.67	5.61	13	5	0.1	4.4		
Total Time Today	0.8	3		3.93	1.98						
Totals	5.2	17		16.60	7.59	17	8	0.1	5.2		



AIRBUS
HELICOPTERS

ACFT: AS 350 B3 S/N: 7934 TT: 4.4 hrs. Reg #: N137AH
SOW: 1882301 Date: November 18, 2014.

I certify that all maintenance and ground functional tests have been completed. This aircraft is released for functional test flight.

Airbus Helicopters Inc.
2701 N. Forum Dr., Grand Prairie, TX 75052

VSB's Compiler
Log Book)



AIRBUS
HELICOPTERS

ACFT: AS 350 B3 S/N: 7934 TT: 5.0 hrs. Reg #: N137AH
SOW: 1882301 Date: November 17, 2014.

Accomplished a functional check flight in accordance with Airbus Helicopters AS350B3e Flight Manual (FLM), Section 8.3. Aircraft exhibits normal flight characteristics.

Airbus Helicopters Inc.
2701 N. Forum Dr., Grand Prairie, TX 75052

Pilot Staff

A&P

#1	#2
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TX 75052

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	ENGINE Cycles		VEMD READS		usage %	Engine Data Power Check		
				N ₁	N ₂	N ₁	N ₂		#1	#2	
09/Dec/2014	AH-1 Ground Run Totals	0	0	1.00	0.43	19	8	0.1	O.A.T.C.		
									Press. All.		
									NG/N1		
									Rotor RPM		
									Torque		
									T4/T.O.T		
									Chart Value		
Date: 09/Dec/2014	Airframe	Landings	ENGINE Cycles		VEMD Totals		total		#1 Engine	#2 Engine	
			N ₁	N ₂	N ₁	N ₂	%				
Carried Forward	5.5	18	17.28	7.59	18	8	0.1	5.5			
Total Time Today	0	0	1.00	0.43	-	-	-	0			
Totals	5.5	18	18.28	8.02	19	8	0.1	5.5			
Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with (Transfer All Open Discrepancies to Front of Log Book)									Mechanic/Pilot		
 AIRBUS HELICOPTERS ACFT: AS350B3 SN: 7934 TT: 5.5 hrs. Reg #: N137AH SCW: 1882301 Date: December 13, 2014 Accomplished all applicable requirements of a 15F1V7 Day engine inspection in accordance with Turbomeca ARRIEL 2D EMM, Chapter 05-20-10-201 #20-A01 on these dates: December 02, December 09, 2014. No defects were noted. Airbus Helicopters Inc. CR [Redacted] 2701 N. Forum Dr., Grand Prairie, TX 75052											
I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition. Signature _____ A&P # _____ Date _____											

[illegible]

I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition.

Signature: [Redacted] A&P #: [Redacted]

Signature _____

ASP •

Date 11-16-2011

Pilot

Date: _____

Carried For

Total Time

Totals

DA

7 cavity and

Signature _____

REG NO N137AH
MAKE Airbus
MODEL AS350-B3e
S/N 7934
A/C TSN: 13.7



Hangar One Avionics
Repair Station No. 1HGR058B
2025 Palomar Airport Road
Carlsbad, CA 92011
Phone: (760) 929-2270

Pilot

Removed Main Rotor Blades for short term storage and reinstalled maintaining position of all components as removed in accordance with the Eurocopter MM Chapter 62-11-00, 4-1. Removed all doors, chin windows, engine cowlings, belly panels for short term storage and reinstalled same.

Removed the following OEM or OEM installed equipment: 1ea Garmin GNS430 P/N 011-00280-10 S/N **97142361**, 1ea Garmin GA35 WAAS Antenna P/N 013-00235-00 S/N **96022**, 1ea Garmin GMA340 Audio Panel P/N 011-00401-10 S/N **96282265**, 1ea Garmin GTX327 Transponder P/N 011-00490-00 S/N **83728666**, 1ea Dorne and Margolin VOR/LOC Diplexer P/N DM-H21-1 S/N **51965**, 1ea Dorne and Margolin Glide Slope Diplexer P/N DM-H24-1 S/N **27531**, 1ea United Instruments ASI P/N 8000 S/N **212413**, 1ea United Instruments Altimeter P/N 5934PD-3 S/N **500974**, 1ea United Instruments VSI P/N 7030 S/N **332112**, 1ea Shadin Altitude Blind Encoder P/N 8800-T S/N **T12326**, ECE NAV1 / NAV 2 Switch P/N F0214, Bendix/King KX185A NAV/COM provisions to include wiring, connectors and rack assembly, Bendix/King KCS55A Compass System provisions to include wiring, connectors and a KG102 Gyro rack, Beacon light on vertical fin P/N 6481710 S/N **1748** and associated Beacon Power Supply P/N 6481702 S/N **1787**, Red LED Position Light P/N 6490811 S/N **3846**, Green Position Light P/N 6490821 S/N **3833**, White Position Light P/N 6490841 S/N **2240**, RFMMAP Pocket and associated bracket, Rear cargo door, Aft baggage fall boom close out panel, RH cargo/baggage door, LH and RH Aft door windows, Instrument panel face with Oxytronic lighting overlays, Skid shoes, Engine induction filtration system (inlet screen), and all associated unused wire as applicable. See below for replacement systems.

Relocated the following OEM or OEM installed equipment: 4 Alpha Panel P/N 704A47-72-3078 S/N **0526**, Kannad ELT Switch P/N S1820513-11, Thomson Clock P/N B18-945.22.00.0 A S/N **1076223**, Clock was reinstalled using a Night Wedge P/N LW2028AE. The Dalton 873-1B Hobbs Meter P/N 1006-90 was removed from the Lower LH side of the Center Pedestal and a locally fabricated Hobbs Meter hole cover was installed, the Hobbs Meter was installed in the instrument panel. Rotor Tach P/N NDC2000 - reinstalled with a new Rotor Tach Eyebrow Light P/N C4E0116-01 and Support P/N 350A84-0159-20. Relocation of these items was incorporated as required to accommodate the newly installed equipment. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed all relocation work as a "Minor Alteration."

See Hangar One Avionics, AS350B3e Completion Data Package (Volumes 1 thru 4) for **N137AH S/N 7934** appended to the aircraft permanent record. FAA Field approvals and STC'd equipment can be found in Volumes 1 and 2 and Minor Alteration data can be found in Volume 3. Electrical integration details can be found in Volume 4 - Hangar One Avionics Wiring Diagrams / Drawing Set No. **20141027-1A**. Reference the Weight and Balance/Equipment List for all equipment station locations. Required "Instructions for Continued Airworthiness" (ICA) data is directed in each system's associated FAA form 337 as applicable.

NOTE: All references to AC 43.13-1B correspond to Change 1 dated 09-27-2001 and all references to AC 43.13-2B correspond to 03-03-2008.

WORK ORDER: 20141027-1A

Page 1 of 10

DATE: 05-15-2015

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

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Hangar One Avionics
Repair Station No. 1HGR0588
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: (760) 929-2270

REG. NO. N137AH	Pilot	MAKE: Airbus	
MODEL: AS350-B3e			
S/N: 7934			
A/C TSN: 13.7			
Date:	Carried For	1.) <u>Garmin GTX33H W/E S Transponder and ADS-B Out Version 2</u> - Executed FAA form 337 with FAA Field Approval for the removal of a Garmin GTX327 Transponder P/N 011-00490-00 S/N <u>83728666</u> and the installation of a Garmin GTX33H W/E S Transponder and ADS-B Out Version 2 using unit P/N 011-00779-70 S/N <u>12D010889</u> , mounted to Garmin GTX33H rigid, helicopter, stand-alone rack P/N 011-02422-00, located on the underside of the RH fuselage. Utilized the existing antenna and coax. Inserted the FAA approved Garmin GTX33H W/E S and ADS-B Out Rotorcraft Flight Manual Supplement dated <u>05-13-2013</u> into the Rotorcraft Flight Manual. See below for FAR 91.413 details.	
Total Time		2.) <u>Garmin GTS800 Traffic Advisory System</u> - Executed FAA form 337 with FAA Field Approval for the installation of a Garmin GTS800 Traffic Advisory System using processor P/N 011-01356-00 S/N <u>15L008467</u> and DO-160 approved Processor Horizontal Helicopter Mount P/N 115-00784-00, located on the underside of the LH fuselage. Installed Garmin GA58 Top Antenna P/N 011-01346-00 S/N <u>124011198</u> and Garmin GA58 Bottom Antenna P/N 011-01346-00 S/N <u>124011196</u> . Use of Garmin G500H and GTN6XX/7XX Flight Manual Supplements and reference guides approved for Traffic System information.	
Totals		3.) <u>Dual Garmin GTN650H/GTN750H GPS/SBAS/NAV/COMs with the GMA35 Audio System Option</u> - Executed FAA form 337 for the installation of Dual Garmin GTN650H/GTN750H GPS/SBAS/NAV/COM Systems with the GMA35 Audio System Option in accordance with Garmin STC# SR02120SE, using the following equipment: 1ea Garmin GTN750H NAV/COM/GPS/SBAS Navigation System (#1 Position) P/N 011-02282-A0 S/N <u>12A014382</u> and 1ea Garmin GTN650H NAV/COM/GPS/SBAS Navigation System (#2 Position) P/N 011-02256-A0 S/N <u>12B017126</u> 1ea Garmin GMA35 Remote Audio Unit P/N 011-00299-00 S/N <u>176006930</u> . The GTN750H utilizes a replacement Garmin GA-35 GPS/WAAS Antenna P/N 013-00245-00 S/N <u>111370</u> located on the vertical fin using the existing coaxial cable. The GTN650H utilizes a newly installed Garmin GA-35 GPS/WAAS Antenna P/N 013-00245-00 S/N <u>111370</u> located on the cabin roof. The GMA35 Audio System is also interface to a new Comant CI-102 Marker Beacon Antenna S/N <u>470196</u> , located on the center belly section of the aircraft fuselage. Installed a new Comant CI-507 NAV/GS Combiner S/N <u>467971</u> and 1ea Garmin ZFSC-2-1 NAV/GS Splitter P/N 013-00112-00 - No S/N. to interface the GTN750H and GTN650H to the existing Glideslope and VOR antennas using existing and new RG400 coaxial cable. The Com portion of the GTN750H utilizes the existing manufacturer installed Com antenna located on the tail boom and existing coaxial cable. The Com portion of the GTN650H utilizes the existing manufacturer installed Com antenna located on the cabin roof and existing coaxial cable. The new Cabin Roof GPS Antenna and the new Marker Antenna were installed in accordance with AC 43.13-2B Chapter 3 (Antenna Installations) Paragraphs 300 through 310, Pages 23 through 28, using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 109 (Fasteners) Pages 4 and 5 and both utilize new RG400 Coaxial Cable. Also interfaced to the Audio system are 2ea 3.5mm Audio input jacks P/N 35RAPC4BV4, installed in the RH side of the instrument panel and in the back of the aft center console. Installed 6 positions for Bose Headsets - Power Kits P/N 323172-0010, Bose jacks utilize existing headset jack positions. Reference the aircraft weight and balance/equipment list for station location and Hangar One Avionics Drawing Set No. 20141027-1A, Inserted the FAA approved Garmin International, Inc. Rotorcraft Flight Manual Supplement, Document No. 190-01007-J8 Revision 1, dated 10-23-2013 into the Rotorcraft Flight Manual. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration	
Di		WORK ORDER: 20141027-1A	Page 2 of 10

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

Pilot

REG. NO. N137AH
MAKE: Airbus
MODEL AS350-B3e
S/N 7934
A/C TSN 13.7



Hangar One Avionics
Repair Station No. 1HGR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: (760) 929-2270

Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed the New GPS antenna installation, the new Marker Beacon Antenna installation, the Bose installation and 2ea music jacks installation as "Minor Alterations."

- 4.) **Garmin G500H PFD/MFD System with 2inch instruments** - Executed FAA form 337 for the installation of a Garmin G500H PFD/MFD system in accordance with Garmin STC# SR09575RC, using a Garmin/Airbus instrument panel P/N 011-02764-XX (BLANK) (Airbus P/N 350A73-0524-20), Aero-Dynmix Lighting Control Dimer Overlay P/N 5956-28-01, Garmin GDU620 Display P/N 011-01264-80 S/N 185301498 (PFD on RH Display - GDU620 located on RH side of Instrument Panel), Garmin GRS77H AHRS Sensor P/N 011-00868-20 S/N 157001244, Garmin GDC74H ADC Sensor P/N 011-00882-11 S/N 15Y006100, Garmin GTP59 Temp Probe P/N 011-00978-00 S/N 47929405, Garmin GMU44 Magnetometer P/N 011-00870-10 S/N 1CM013715. Utilized the optional 2 inch instruments as follows: 1ea Mid-Continent MD25 Airspeed indicator P/N MD25-200 S/N F13-10966, Mid-Continent Altimeter P/N MD15-222 S/N 2307 and Mid-Continent 4200 Electric Attitude Gyro P/N 4200-11 S/N D14-11685. The MD25-200 Part Number is called out in the STC. The Altimeter and Attitude indicator installations are Minor Alterations as per below. Substituted the Vivisun Landing Light Annunciator "STC d" P/N LED-40-17-HE-EDG3T with Vivisun P/N LED-40-17-HE-EDYJT to Match the Color and Verbiage listed in the Rotorcraft Flight Manual. Inserted the FAA approved Garmin International, Inc. G500H Rotorcraft Flight Manual Supplement, Document No. 190-00792-13 Revision 1, dated 05-14-2014 into the Rotorcraft Flight Manual. See below for FAR 91.411/413 details. Reference the aircraft weight and balance/equipment list for dated 05-14-2014 into the Rotorcraft Flight Manual. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed the Vivisun Annunciator deviation. Attitude Gyro and Altimeter installation as a "Minor Alteration."

- 5.) **Genesys Aerosystems/S-TEC/ - Heli/SAS Auto-Pilot** - Executed FAA form 337 for the installation of a Genesys Aerosystems/S-TEC/ - Heli/SAS Auto-Pilot system in accordance with S-TEC STC# SR0234LA, using Documents/Drawings related to Master Document List No. HeliSAS-MDL-AS350 Revision 1 dated 10-24-2014. Auto-Pilot Install Kit P/N 350M-900-02 S/N NFDS2014023. SAS P/N 350M-153-SAS S/N NFDS2014023. Installed control panel P/N 01309-01-01 S/N 01309-1446-00314, 2ea Servos P/N 01310-04 S/Ns 01310-1446-00687 and -00748 and Flight Control Computer P/N 01311-02-10 S/N 01311-1449-00406. Installed a locally fabricated interface panel for the Auto-Pilot, located on the LH side of the center avionics console. Inserted the FAA approved S-TEC/ - Heli/SAS Auto-Pilot Rotorcraft Flight Manual Supplement, Document No. HeliSAS-RFMS-AS350/EC130, Revision 8 dated 08-11-2014 into the Rotorcraft Flight Manual.

- 6.) **Geneva Aviation P174 28vdc to 14vdc 27 Amp Variable Voltage Converter** - Executed FAA form 337 for the installation of a Geneva Aviation P174 28vdc to 14vdc 27 Amp Variable Voltage Converter on the RH side of the aircraft fuselage understructure, utilizing an installed avionics mounting rack, in

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DATE: 05-15-2015

WORK ORDER: 20141027-1A

I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

39

REG. NO. N137AH
MAKE Airbus
MODEL AS350-B3e
S/N 7934
A/C TSN: 13.7



Hangar One Avionics
Repair Station No. 1HGR0568
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: (760) 929-2270

accordance with STC# SR02301SE, using P174 unit S/N 7526. The unit powers 2ea West Marine 14vdc power receptacles P/N 371849 located in back of the aft center console. Each power receptacle has an adjacent 5amp associated circuit breaker. Reference the aircraft weight and balance/equipment list for station location and Hangar One Avionics Drawing Set No. 20141027-1A.

- 7.) HeliProducts Industries, Ltd. LED Anti-Collision Light, LED Position/Strobes Lights and LED Tail Position Light - Executed FAA form 337 for the installation of HeliProducts Industries, Ltd. LED Anti-Collision Light, LED Position/Strobes Lights and LED Tail Position Light in accordance with STC# SR03387NY, using LED Anti-Collision Light P/N 350HP33-100 S/N 2014-10, LED Position/Strobe Red Light P/N 350HP33-200 S/N 2014-016, LED Position/Strobe Green Light P/N 350HP33-200 S/N 2014-016, and LED Tail Position White Light P/N 350HP33-300 S/N 2014-002-6 installed an Esterline/Kerry "STROBE ON" Switch using P/N ECS0763F2015N to isolate the Strobes from the Position lights. Reference the aircraft weight and balance/equipment list for station location and Hangar One Avionics Drawing Set No. 20141027-1A. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1, 1 and Part 43 Appendix "A", and deemed the Strobe Switch installation as a "Minor Alteration."
- 8.) Dart Aerospace, Ltd. / Apical Industries, Inc. Cable Cutter - Executed FAA form 337 for the installation of a DART/Apical Industries, Inc. - Eurocopter AS350 Cable Cutter Kit in accordance with Apical Industries, Inc. dba DART Aerospace STC# SR02180LA, using kit P/N 646 4001, S/N B121949.
- 9.) Dart Aerospace Ltd. Auxiliary Side Locker Fuel Tank - Executed FAA form 337 for the installation of a DART Aerospace Ltd. Auxiliary Side Locker Fuel Tank Kit, in accordance with DART Aerospace Ltd STC# SR02794NY, using kit P/N D350-794-111, S/N B121421. Inserted the FAA approved Dart Aerospace Ltd. Auxiliary Side Locker Fuel Tank Rotorcraft Flight Manual Supplement, Document No. FMS-D350-794, Revision D dated 10-24-2011, into the Rotorcraft Flight Manual.
- 10.) Dart Aerospace Ltd. RH Spacepod - Executed FAA form 337 for the installation of a DART Aerospace Ltd. RH Spacepod Kit, in accordance with DART Aerospace Ltd STC# SR00098NY, using kit P/N D350-600-242, S/N B105740. Inserted the FAA approved Dart Aerospace Ltd. Spacepod Rotorcraft Flight Manual Supplement, Document No. FMS-D355-600, Revision E dated 12-12-2012, into the Rotorcraft Flight Manual.
- 11.) Dart Aerospace, Ltd. Rear Locker Extender - Executed FAA form 337 for the installation of a Dart Rear Locker Extender in accordance with STC# SR00463NY, using Kit P/N D350-604-041, S/N B125861. Inserted the FAA approved Dart Rear Locker Extender Rotorcraft Flight Manual Supplement, Document No. FMS-D350-604, Revision B dated 11-15-2011 into the Rotorcraft Flight Manual.

WORK ORDER: 20141027-1A

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DATE: 05-15-2015

I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition.

Signature

A&P #

Date

Pilot

REG. NO. N137AH
MAKE: Airbus
MODEL: AS350-B3e
S/N: 7934
A/C TSN: 13.7



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Carlsbad, CA 92011
Phone: (760) 929-2270

- 12.) **Eurocopter Canada Limited (ECL) Forward Opening Rear Cargo Door** – Executed FAA form 337 for the installation of an ECL Forward Opening Rear Cargo Door in accordance with ECL STC# SR00676NY, using Kit P/N 350-201014 "C2."
- 13.) **Eurocopter Canada Limited (ECL) Airframe Fuel Filter** – Executed FAA form 337 for the installation of an ECL Airframe Fuel Filter in accordance with STC# SR01632NY using kit P/N 350-600024. Substituted the "Cat Eye" annunciator for 1ea Vivisun Annunciator P/N LED-40-18-HK-E0JRN (A/F Filter) (e)(3). Reference the aircraft weight and balance/equipment list for station location and Hangar One Avionics Drawing Set No. 20141027-1A. Inserted the FAA approved ECL Rotorcraft Flight Manual Supplement, Document No. FMS-ECL-154 Revision 2 dated 12-21-2012 into the Rotorcraft Flight Manual. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed the Annunciator deviation as a "Minor Alteration."
- 14.) **Purolator Facet, Inc. Oil Scavenge Filter** – Executed FAA form 337 for the installation of a Purolator Facet, Inc. lubrication oil scavenge filter in accordance with Purolator Facet, Inc. STC# SH2676SQ, using Kit P/N 1741320 S/N 4679. Inserted the FAA approved Purolator Facet, Inc. Rotorcraft Flight Manual Supplement Document Revision 5 dated 07-29-2013 into the Rotorcraft Flight Manual.
- 15.) **Donaldson Filtration Solution/Aerospace Filtration System, Inc. (AFS) Inlet Barrier Filter System** – Executed FAA form 337 for the installation of Donaldson Filtration Solutions, AFS Inlet Barrier Filter System in accordance with Aerospace Filtration System, Inc. STC# SR02560CH, using the EC130/AS350B3e IBF Kit P/N 121001-101 Revision C dated 09-19-2011– S/N 0210. Installed and serviced filter S/N 0277. Installed the new "Kit Supplied" Vivisun "Filter/Bypass" Switch/Annunciator P/N LED-42-15-KB-36066. Inserted the FAA approved Donaldson Filtration Solutions Rotorcraft Flight Manual Supplement, Document No. AFS-EC130-IBF-FMS, Revision F dated 09-23-2014 into the Rotorcraft Flight Manual.
- 16.) **Tech-Tool Plastics, Inc. Aft Cabin Comfort Windows** – Executed FAA form 337 for the installation of Tech-Tool Plastics Light Smoke Gray Tint Aft Cabin Comfort Windows in accordance with STC# SH8966SW, using LH and RH AR Sliding Door Cabin Comfort Window with Slide – LH P/N 3501CC-2032-5 and RH Flap Door window P/N 3501CC-2027-4.
- 17.) **Garmin GRA5500 Radar Altimeter System** – Installed a Garmin GRA5500 Radar Altimeter System using the following components: 1ea Garmin GRA5500 Unit P/N 011-02537-00 S/N 2F8005144 with rack assembly P/N 011-02567-00 and 2ea Sensor Systems antennas P/N S67-2002 S/N 543-74103 and S/N 543-74098. Installation conforms to the Garmin GRA5500 Radar Altimeter Installation Manual, Document No. 190-01277-00, Revision D dated December 2014 and AC43 13 as applicable. The Garmin GRA55 displays AGL altitude on the installed G500H system's GDU820 Display.

WORK ORDER: 20141027-1A

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DATE: 05-15-2015

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date



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2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: (760) 928-2270

REG NO N137AH
MAKE Airbus
MODEL A330-300
S/N 7934
AC TSN 13.7

Pilot

AC TSN 13.7

Mounting (Minor Alteration): The Garmin GRS5500 Unit PIN 011-02537-00 is mounted on the left hand side of the aircraft fuselage understructure in an existing avionics rack provided by the manufacturer, utilizing a locally fabricated mounting plate and secured to a Garmin rigid rack assembly PIN 011-02567-00 in accordance with AC 43.13-2B Chapter 2 para 202 (Considerations When Installing Avionics Equipment) Page 10, AC 43.13-2B Chapter 2 para 205 (Fabrication of Supporting Brackets For Attachment to Structure Other than Flooring) Pages 14 and 15 and AC 43.13-2B Chapter 2 para 204 (Rigid-Mounted Unit Base) Pages 12 and 13, using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 108 (Fasteners) Pages 4 and 5. The Sensor Systems antennas PIN S67-2002 are mounted to the underside of the center fuselage, onto the forward cross tube access panel in accordance with AC 43.13-2B Chapter 3 (Antenna Installations) Paragraphs 300 through 310, Pages 23 through 28, using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 108 (Fasteners) Pages 4 and 5. Reference the aircraft weight and balance/equipment list for station, **Electrical Integration and Circuit Protection (Minor Alteration):** The Garmin GRS5500 Radar Altimeter System is interfaced to the aircraft and integrated with other avionics systems using new MIL-C-22759/16 and M27500 Tefzel insulated and laser marked electric wire. The antennas are interfaced using ECS 311901 Coaxial Cable. The Garmin GRS5500 Radar Altimeter System is circuit protected with a new 5 amp circuit breaker, located in the 30 Alpha circuit breaker panel and connected to the 28vdc PPS "Battery Bus." The circuit breaker is labeled as "RAD ALT" integration and circuit protection installation details are in accordance with AC 43.13-2B Chapter 2 para 207 (Electrical Requirements) Pages 18 and 19. Electrical interconnect details can be found in Hangar One Avionics Wiring Diagrams / Drawing Set No. 20141027-1A.

Date:

Installation Approval (Minor Alteration): Use of AC 43.13-2B as detailed above by chapter, paragraph and page number. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1, Repair and Alteration Data Approval Process Review Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015, Figure 3-1, Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed this installation as a Minor Alteration.

Carried For

Total Time 1

Totals

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WORK ORDER 20141027-1A

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DATE: 05-15-2015

Signature

I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition.

A&P #

Date

Pilot

Date:

Carried

Total Time

Totals

I certify

Signature

Pilot

REG. NO. N137AH
MAKE: Airbus
MODEL: AS350-B3e
S/N: 7934
A/C TSN: 13.7



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Electrical Integration and Circuit Protection (Minor Alteration): The Mid-Continent True Blue Power TA102 Series Dual USB Charging Ports are interfaced to the aircraft using new MIL-C-22759/16 and M27500 Tefzel insulated and laser marked electric wire. The Charging Ports share a new 3 amp circuit breaker, located in the 30 Alpha circuit breaker panel and connected to the 28vdc PP5 "Battery Bus." The circuit breaker is labeled as "USB" Integration and Circuit Protection installation details are in accordance with AC 43.13-2B Chapter 2 para 207 (Electrical Requirements) Pages 18 and 19. Electrical interconnect details can be found in Hangar One Avionics Wiring Diagrams / Drawing Set No. 20141027-1A.

Installation Approval: Use of AC 43.13-2B as detailed above by chapter, paragraph and page number. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A" and deemed this installation as a "Minor Alteration."

- 19.) **1ea Mid-Continent True Blue Power TI250 Series Static Electrical Power Inverter** - Installed a Mid-Continent True Blue Power TI250 Series Static Electrical Power Inverter P/N 6430250-1 S/Ns D15-10760 and an international Configuration 115vac outlet P/N 70020-BLK - No S/N installation conforms to Mid-Continent, True Blue Power TI250 Series Static Electrical Power Inverter Installation Manual and Operating Instructions, Manual No. 9018067, Revision C dated 05-27-2014 and AC43.13 as applicable.

Mounting (Minor Alteration): The TI250 Inverter is mounted on the RH side of the aircraft fuselage understructure, utilizing a locally fabricated mounting bracket, in accordance with AC 43.13-2B Chapter 2 para 202 (Considerations When Installing Avionics Equipment) and AC 43.13-2B Chapter 2 para 205 (Fabrication of Supporting Brackets For Attachment to Structure Other than Flooring) Pages 14 and 15, using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 108 (Fasteners) Pages 4 and 5. The 115vac outlet P/N 70020-BLK is mounted on the back side of the installed A/C Center Console, in accordance with AC 43.13-2B Chapter 2 para 202 (Considerations When Installing Avionics Equipment), using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 108 (Fasteners) Pages 4 and 5. Reference the aircraft weight and balance/equipment list for station location.

Electrical integration and Circuit Protection (Minor Alteration): The Mid-Continent True Blue Power TI250 Series unit and 115vac outlet are interfaced to the aircraft using new MIL-C-22759/16 and M27500 Tefzel insulated and laser marked electric wire. The Inverter utilizes a 15 amp circuit breaker, located in the 31 Alpha circuit breaker panel and connected to the 28vdc PP9 "Battery Bus." The circuit breaker is labeled as "AC INVERT." The 115vac power output receptacle has an adjacent 2 amp associated circuit breaker. Integration and Circuit Protection installation details are in accordance with AC 43.13-2B Chapter 2 para 207 (Electrical Requirements) Pages 18 and 19. Electrical interconnect details can be found in Hangar One Avionics Wiring Diagrams / Drawing Set No. 20141027-1A.

Installation Approval: Use of AC 43.13-2B as detailed above by chapter, paragraph and page number. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 82 of the FAA AFS-300 Job Aid, Revision 3.0 dated 04-01-2015 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed this installation as a "Minor Alteration."

DATE: 05-15-2015

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WORK ORDER: 20141027-1A

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

43

Pilot

REG. NO. N137AH
MAKE: Airbus
MODEL: AS350-B3e
SN: 7934
AC TSN: 13.7

- 20.) **Aeronautical Accessories Skid Shoes** - Installed FAA/PMA Aero Accessories Full Length Skid Shoes 2ea P/N 350A06-2207-21 (RP) and Forward Shoes 2ea P/N 350A41-1046-20 (RP)
- 21.) **SB 71.00.07 (Arriel Engine Flushing Installation)** - Installed Engine Flushing System in accordance with Eurocopter Service Bulletin No. 71-00-07 Rev 6 dated 02-28-2013, using kit P/N 350A82-5070-0074.
- 22.) **SB 53.00.28 (Tail Rotor Guard)** - Installed Tail Rotor Guard in accordance with Airbus Service Bulletin No. 53-00-28 Rev 2 dated 11-19-2014, using kit P/N 350A07-4327-0071.
- 23.) **Cockpit Organization** - Installed Pilot and Co-Pilot Seat back pockets using Elmo Leather 1401-99029-2 ElmoTech Black. Installed an Air Gizmos BM2 iPad mount on the LH side of the instrument panel, in accordance with AC 43.13-2B Chapter 2 para 202 (Considerations When Installing Avionics Equipment) and AC 43.13-2B Chapter 2 para 203 (Instrument Panel Mounting) Pages 11 and 12, using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 108 (Fasteners) Pages 4 and 5. Installed a locally fabricated Aft Center console to house maps, and allow mounting of various power receptacles as referenced above. The console was fabricated out of 2024T3 aluminum and powder coated "wrinkle black." A small accessory pocket was locally fabricated out of 2024T3 and installed in the aft portion of the center avionics console. The fabricated aft console and fabricated accessory pocket were installed in accordance with AC 43.13-2B Chapter 2 para 202 (Considerations When Installing Avionics Equipment), using the appropriate aircraft hardware as defined in AC 43.13-2B Chapter 1 para 108 (Fasteners) Pages 4 and 5. Reference the aircraft weight and balance/equipment list for station location. Reviewed FAA order 8300.16, Chapter 3, Figure 3-1 "Repair and Alteration Data Approval Process Review" Chart, Page 78 of the FAA AFS-300 Job Aid, Revision 2.0b dated 10-28-2014 Figure 3-1 "Major and Minor Determinations Flowchart, as well as 14 CFR Part 1.1 and Part 43 Appendix "A", and deemed these installations as "Minor Alterations." See Burn certs for seat pockets in Minor Alteration Data Package - Volume 3.
- 24.) **Static Load Testing** - The above installed equipment was installed using the structural considerations of AC43.13-2B Chapter 1 para 105 (Static Tests) Pages 3 and 4 as applicable.
- 25.) **Electrical Load Testing** - An electrical load check was performed in accordance with the procedure in AC 43.12-2B Chapter 2 para 206 (Electrical Load Analysis Procedure) Page 19 and it was found that the maximum electrical load is acceptable for this aircraft's generating capacity. The ammeter in this aircraft, displays a digital readout to the Pilot, with its limitations found in the Rotorcraft Flight Manual. Therefore, the installed equipment, as well as the entire aircraft's electrical load is an acceptable means of monitoring by the Pilot in command of the aircraft, in reference to AC 43-13-1B Chapter 11, Section 3, para 11-35 (Acceptable Means of Controlling or Monitoring The Electrical Load) Page 11-12.

WORK ORDER: 20141027-1A

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DATE: 05-15-2015

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date



Hangar One Avionics

Repair Station No. 1HCR058B
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: (760) 929-2270

Pilot

REG. NO. N137AH
MAKE: Airbus
MODEL: AS350-B3e
SN: 7934
AC TSN: 13.7

- 26.) **EMC**
do not include
address of AC27-
(Electrical
Installation)

- 27.) **FAR 91.403**
Covered by
20062-11

- 28.) **FAR 91.403**
Part 43.1

Date:

- 29.) **AS350-1**
Part 0741
20-02 use

Carried For

Total Time

- 30.) **AS350-1**
AS350-1

Totals

- 31.) **Airbus AS350-1**
noted: Part
3.8.5 check
self engine

- 32.) **Weight and
balance**

WORK ORDER

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

Date

REG NO: N137AH
MAKE: Airbus
MODEL: AS350-B3e
S/N: 7934
A/C TSN: 13.7



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2026 Palomar Airport Road
Carlsbad, CA 92011
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Pilot

26.) **EMC/EMI** - Installation of the above equipment is not classified as "Equipment Known To Have a High Potential For Interference." Therefore, those items do not require any special compatibility (EMC) testing as outlined in AC27-1B and Note 9 of the Eurocopter TCDS H9EU. For all other installed equipment, including the above, EMC considerations in reference to AC27-1B Change 4, Chapter 3, Para AC27 MG4(d)(2)(ii) Page MG4-11 dated 05-01-2014 are addressed utilizing Pre installation compatibility verification and post installation function checks. Also, in reference to the aforementioned subparagraphs of AC27-1B, EMC/EMI Considerations and System Failure Modes and Effects were evaluated referencing AC 43.13-2B Chapter 2 para 209 (Electromagnetic Compatibility) Page 19 and 20 and AC 43.13-2B Chapter 2 para 210 (Functional Hazard Assessment) Page 21 and 22. All systems operate normally and do not interfere with the operation or performance of any new or existing equipment.

27.) **FAR 91.411** - I certify that the Altimeter Automatic Pressure Altitude Reporting and Static Systems Tests and Inspections required by FAR 91.411 have been performed and found to comply with FAR Part 43, Appendix E. Altimeter tested to 20,000 Ft. Air Data Computer (Garmin GDC-74H) P/N 011-00882-11 S/N 1SY006100 / Pilot Standby Altimeter - Mid-Continent Altimeter P/N MD15-222 S/N 2307.

28.) **FAR 91.413** - I certify that the ATC Transponder Tests and Inspections required by FAR 91.413 (a) have been performed and found to comply with FAR Part 43, Appendix F. 1ea Garmin GTX33H with ES and ADSB-Out - Transponder P/N 011-00779-70 S/N 1ZD010889.

Date:

29.) **AS350 / P - Check (Model B3 Post 074302) / BFF / TA / ALF / 10hr / 10hr 7 Day - AS350B3 Inspections** - Completed AS350 / P - Check (Model B3 Post 074302) / BFF / TA / ALF / 10hr / 10hr 7 Day - AS350B3 Inspections per Eurocopter MSM AS350B3 Chapter 04-20-00, 05-20-00, 05-20-01 and 05-20-02 using the inspection criteria located in Eurocopter AMM Chapter 05-40-00, 6-6, and 6-7b. No defects noted.

Carried For

Total Time

30.) **AS350 / Airbus MSM 05-25-00 - 600 FH / 6 Month Blade Pin Lube** - Completed AS350 600 FH / 6 Month Blade Pin Lubrication per Eurocopter MSM AS350B3 Chapter 05-25-00.

Totals

31.) **Airbus AS350 / EASB 05.00.77 Revision "0"** - Complied with Airbus AS350 / EASB 05.00.77 Revision "0" Initial inspection per Para 3.B.1 - No defects noted. Para 3.B.3 results as follows: All values at **>55MD**. Para 3.B.4 function check satisfactory. Para 3.B.5 - applied Vernelec 43022 Varnish. Para 3.B.5 checks satisfactory. Next inspection due based on operating area. Salt environment - Due again in 330hrs or 6 months whichever comes first. Non-salt environment - Due again in 660hrs or 12 months whichever comes first.

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32.) **Weight and Balance and Equipment List** - Inserted revised W&B and equipment list reflecting this event into the Rotorcraft Flight Manual and aircraft permanent record.

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DATE: 05-15-2015

WORK ORDER: 20141027-1A

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

Pilot

REG. NO. N137AH
MAKE: Airbus
MODEL: AS350-B3e
S/N: 7934
A/C TSN: 13.7



Hangar One Avionics
Repair Station No. 1HGR0586
2026 Palomar Airport Road
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Phone: (760) 929-2270

33.) **Post Maintenance/Installation Check** - On Ground operational and FOD checks satisfactory. Performed the Garmin G500H Configuration, Checkout and Calibration Set-up per the Garmin G500H Rotorcraft STC Installation Manual No. 190-01150-06, Revision 4 dated November 2014. Aircraft ready for check flight, GMU Magnetometer Calibration check and wet compass swing.

This aircraft, airframe or appliance identified above, has been visually and/or inspected in accordance with the current regulations of the Federal Aviation Administration and applicable manufacturers data and is approved for return to service.

DATE: 05-15-2015

SIGNED

Mike Clinger

WORK ORDER: 20141027-1A

Date:

Carried For

Total Time T

Totals

Dis

WORK ORDER: 20141027-1A

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DATE: 05-15-2015

MAKE: AIRBUS HELICOPTERS
MODEL: AS350B3e
S/N: 7934
REG. NO. N137AH
WORK ORDER: 20150615-1A

**Hangar One Avionics**

Repair Station No. 1HGR0586
2026 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 5/26/2015
A/C TSN: 13.7
H0950: 13.7
Landing: 1A

Airframe Entries

Completed AS350B3 P-Checks (Model 53 Post 074302) / BFF / TA / ALF / 10hr / 10hr 7 Day - AS350B3 Inspections per Eurocopter MSM AS350B3 Chapter 44-20-01.
05-20-06, 06-26-01 and 06-20-02 using the inspection criteria located in Eurocopter AMM Chapter 05-40-00, 6-6, and 6-7b.

This aircraft, airframe, or appliance identified above has been visually and/or inspected in accordance with current Regulations of the Federal Aviation Administration and applicable manufacturers data and is approved for return to service.

I certify that this is:

DATE: 5/26/2015

SIGNED

Mike Clinger
Certified Repairman

Work Order: 20150615-1A

Printed by EBA 3 (ba3@ebs.com)

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check		
				N1	N2	N1	N2	%		# 1	# 2
S.U.	Compass Sw / Ck Fit	.9	14	.68	.37	24	11	.2	O.A.T.C.		
									Press. Alt		
									NG/N1		
									Rotor RPM		
									Torque		
									T4/T.O.T		
									Chart Value		
Date:		Airframe	Landings	Engine Cycles		VEMD Totals		Usage	ARRIEL 2D #1 Engine 50575	#2 Engine	
				N1	N2	N1	N2	%			
Carried Forward		13.7	24	22.32	10.11	23	11	.2	13.7	N	
Total Time Today		.9	14	.68	.37	-	-	-	.9		A
Totals	Hoges: 14.6	14.6	38	23.00	10.48	24	11	.2	14.6		

Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with
(Transfer All Open Discrepancies to Front of Log Book)

Mechanic/Pilot

MAKE: AIRBUS HELICOPTERS
MODEL: AS350B3e
S/N: 7934
REG. NO: N137AH
WORK ORDER: 20150515-1M



Hangar One Avionics
Repair Station No. 11GRC088
2036 Palomar Airport Road
Carlsbad, CA 92011
Phone: 760-929-2270

DATE: 5/26/2015
A/C TSN: 14.6
HOBBS: 14.6
Landings: 28

Airframe Entries

G500H / GMU Magnetometer Calibration and Wet Compass Swing - Performed GMU Magnetometer Calibration in accordance with the Garmin G500H Rotorcraft
STC Installation Manual, Document No. 160-01150-06, Revision 4 dated Nov. 2014. Performed wet compass swing using the Airbus AS350B3 Standard Practices
Manual Chapter 20-05-04-601 Para (C)(5)(f) and AC43.13-1B CHG 1 Para 12-37 pages 12-13 and 12-14 with rotor turning, generator on and avionics "on." Errors
recorded on the compass card as applicable to Section 2 of the Rotorcraft Flight Manual. The following compass card points were recorded as follows: (Performed on
05-26-2015) N = 000, 045 = 045, E = 092, 135 = 137, S = 180, 225 = 225, W = 270, 315 = 315. Installed new compass card.

This aircraft, airframe, or appliance identified above has been ☒ and/or inspected in accordance with current Regulations of the Federal Aviation Administration and
Manufacturer data and is approved for return to service.

DATE: 5/26/2015

SIGNED

Mike Singler
Certified Technician

Work Order: 20150515-1M

Printed by EBIS 8 (datacorrecta.com)

I certify this

Signature

A&P #

Date

American Eurocopter Flight Log & Maintenance Record

P/M	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check	
				N1	N2	N1	N2		%	#1
S.K.	General Bunk / 2 day	0	0	.50	.12	24	11	.2	O.A.T. °C	
									Press. Alt.	
									NG/N1	
									Rotor RPM	
									Torque	
									T4/T.O.T	
									Chart Value	
Date: 6-02-2015		Airframe	Landings	Engine Cycles		VEMD Totals		Usage	Chart Value	
				N1	N2	N1	N2	%		
Carried Forward		Hours: 14.6	38	23.00	10.48	24	11	.2	14.6	
Total Time Today		0	0	.50	.12	-24-	-11-	-2-	0	
Totals		14.6	38	23.50	10.60	24	11	.2	14.6	

Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with
(Transfer All Open Discrepancies to Front of Log Book)

Mechanic/Pilot

MAKE: AIRBUS HELICOPTERS
MODEL: AS332B6
S/N: 734
REG: N1274H
WORK ORDER: 2015052-3M



Hangar One Avionics
Report Station No. 11-KAC0088
2025 Falconer Airport Road
Cerritos, CA 90511
Phone: 790-529-1279

DATE: 6/2/2015
AC TIME: 14.6
HOURS: 14.6
Landings: 38

Airframe Entries

Installed customer supplied "pre-cut" Trifold Grey Carpet # 523 to the aircraft cabin floor. Buro gets provided with part for ROLLS 0634402 in a "Pre-cut" condition and appended to aircraft permanent record.

This aircraft, airframe, or appliance identified above has been inspected and found to be in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 6/2/2015

SIGNED:

Mike Cingari
Certified Repair Station No.

Work Order: 2015052-3M

Printed by: ERE 2 (mike@honda.com)

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

Power Check

#2 Engine

N

A

[illegible]

Power Check

# 1	# 2
-----	-----

#2 Engine

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD Reads		Usage	Engine Data Power Check	
				N1	N2	N1	N2	%		#1 #2
9/18 GARY	MYF BEL	2.4	1	.81	.43	27	12		O.A.T.C.	
9/18 GARY	BFL MYF	1.8	1	.62	.31	27	13		Press. Alt.	
9/20 GARY	MYF CRQ	.3	1	.87	.43	28	13		NG/N1	
9/20 GARY	CRQ L35	.9	1	.93	.56	29	14		Rotor RPM	
9/20 GARY	L35 SMO	1.5	1	.93	.31	30	14		Torque	
9/20 GARY	SMO HHR	.3	1	.68	.25	31	14		T4/T.O.T	
9/20 GARY	HHR MYF CRQ	.7	1	.50	.31	31	14		Chart Value	
Date:		Airframe	Landings	Engine Cycles		VEMD Totals		Usage	#1 Engine	#2 Engine
Carried Forward		15.1	40			26	12		15.1	
Total Time Today			7							
Totals		22.4	47	31	14	31	14		22.4	

Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with
(Transfer All Open Discrepancies to Front of Log Book)

Mechanic/Pilot

"I certify that this aircraft has been inspected in accordance with the daily check and was determined to be in airworthy condition."

Signature

A&P #

Date

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Engine Cycles		VEMD reads		Usage	Engine Data Power Check		
				N1	N2	N1	N2	%		# 1	# 2
GARY	CRQ - MYF	.2	1	.93	.37	32	15		O.A.T.C		
GARY #36		1.8	1	.50	.31	33	15		Press. Alt.		
GARY #37		1.8	1	.50	.31	33	15		NG/N1		
GARY #38	MX FLT	.1	φ	.50	.25	34	16		Rotor RPM		
GARY #39	MX FLT	.3	φ	.50	.25	34	16		Torque		
GARY #40	MX FLT	.1	φ	.50	.25	35	16		T4/T.O.T		
									Chart Value		
Date:		Airframe	Landings	Engine Cycles		VEMD Totals		Usage	#1 Engine #2 Engine		
				N1	N2	N1	N2	%			
Carried Forward		22.4	47						22.4		
Total Time Today		3.6	3						3.6		
Totals		26.0	50						26.0		

Discrepancies Noted: Inspections Performed: and AITs/SRs Complied with

Mechanic/Pilot

Date: 10-14-15
Airbus AS350 B3 Astar
N711BE
Serial Number: 7934
Aircraft Total time-26.0 hours

Interior Upgrade: Replace dress covers on two front seats in a Sheepskin and Leather combination over OEM original foam in compliance with far 27.853. These two seat covers are approved for return to service. Customer is to re-weight the aircraft and amend the weight and balance before returning the aircraft to service.

Detailed information regarding this work is on file at this repair station. All Material certifications are on file at this repair station as well as our customer being provided with copies.

American Aircraft Interiors
FAA Repair Station No. BW3R412L
Telephone 1-800-550-9276

Work performed by: Technician Name: Andrew Mirabelli

be in airworthy condition.

Date

Signature:

END

American Eurocopter Flight Log & Maintenance Record

Pilot	Mission	Flight Time	Landings	Cycles VEMO REAR				Engine Data Power Chgs	
				N1 No. 1 GP	N2 No. 1 NP	No. 2 GP	No. 2 NP		
GARY #41	MYF - CRQ	.3	1	.75	.43	35	17	OAT/C	
GARY #42	CRQ - KNYL	1.3	1	.75	.31	36	17	Press. Alt.	
GARY #43	KNYL - CRQ	1.7	1	.62	.31	37	17	NG/N1	
GARY #44	CRQ - MYF	.3	1	.56	.31	37	18	Rotor RPM	
GARY #45	MYF - CRQ	.3	1	.75	.37	38	18	Torque	
GARY #46	CRQ - MYF	2.4	17	1.87	.62	40	19	T4/T.O.T	
								Chart Value	
Date:	Airframe	Landings	Cycles % USAGE				#1 Engine	#2 Engine	
			N1 No. 1 GP	N2 No. 1 NP	No. 2 GP	No. 2 NP			
Carned Forward	26.0	50	31	14		2%	26.0		
Total Time Today	5.5	22				0	5.5		
Totals	31.5	72	40	19		2%	31.5		

Discrepancies Noted, Inspections Performed, and AD's/SB's Complied with
(Transfer All Open Discrepancies to Front of Log Book)

Mechanic/Pilot

MAKE: Airbus
MODEL: AS350B2
S/N: 7504
REG. NO: N711BE
WORK ORDER: 8032

Shier Aviation Corporation

Repair Station No: 14SRM55
2753 John J. Montgomery Dr. #1
San Diego, CA 92123
Phone: 658-505-5662

DATE: 10/02/15
A/C TOW: 20.2
Landings: 41
HOURS: 20.2

Airframe Entries

Preliminary inspection complied with as per 145CRS

Checked applicable AD's thru release issue 2015-21

Complied with 10 FH7 D airframe inspection in accordance with AS350B2 MSM Ch. 08-30-01; 05-20-02.

Complied with 30 hour airframe inspection requirements in accordance with AS350B2 MSM Ch. 05-25-00, 0220. Complied with ground run and leak check. No issues detected. I certify that this aircraft has been inspected in accordance with an inspection program as selected in accordance with FAR 91.409 (f)(3) and was determined to be in an airworthy condition.

I certify it

DATE: 10/02/15

SIGNED

Mechanic/Pilot
Certified Repair Station No: 14SRM55

Work Order: 8032

Printed by Efile J (dalscorporate.com)

Date

I certify

Signature

