



R66 AIRFRAME MAINTENANCE RECORD

2901 Airport Drive, Torrance, California 90505

Phone (310) 539-0508 Fax (310) 539-5198

SECTION 3

MAJOR ALTERATIONS

Serial Number O11	Registration N4RH	Manufacturer ROBINSON HELICOPTER CO.	Model R66 TURBINE	Date of Manufacture 03/14/2012
			Field Approval	STC

Date	Installation of an Alstom THS-605 Traffic Advisory System
11/23/2012	



ROBINSON®

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SECTION 2

INSTALLED EQUIPMENT

Serial Number		Manufacturer		Date of Manufacture	
0111		ROBINSON HELICOPTER CO.		R66 TURBINE	
Item	Manufacturer	Model	Serial Number	Date Installed	Date Removed
ENGINE	ROLLSROYCE	250-C300/A1	RRE-200119	31 JAN 2012	
OAT GAGE	DAVTRON	307 FC	D14535	31 JAN 2012	
INSTRUMENT CLUSTER	ROCHESTER	10290	0312	31 JAN 2012	
ALTIMETER	UNITED INSTRUMENTS	5934P-3	494591	31 JAN 2012	
VERTICAL SPEED	UNITED INSTRUMENTS	7000	327652	31 JAN 2012	
AIRSPEED INDICATOR	UNITED INSTRUMENTS	8000	206235	31 JAN 2012	
TORQUE METER	PHAOSTRON	000-21127	0282	31 JAN 2012	
AMMETER	UNITED INSTRUMENTS	721-21139	130	31 JAN 2012	
TACHOMETER	PHAOSTRON	000-21121	0239	31 JAN 2012	
AUDIO CONTROL	NAT	AA12S-600	71528	31 JAN 2012	
TRANSCIEVER	BENDIXKING	KY196A	34307	31 JAN 2012	
GPS/COM/NAV X/CVR	GARMIN	GNSS30AW	24020482	31 JAN 2012	
INDICATOR	GARMIN	GI 106A	G11-11246	31 JAN 2012	
TRANSPONDER	GARMIN	GTx-327	83743210	31 JAN 2012	
BLIND ENCODER	TRANS CAL	SSD120-RS232	13985	31 JAN 2012	
VERTICAL CARD COMPASS	PRECISION AVIATION	PAI-700	76399	31 JAN 2012	
ELT	KANNAD	406AF	LX100011108	31 JAN 2012	
ATTITUDE GYRO W/INCL	MID-CONTINENT	4300-203	K11-10190	31 JAN 2012	
DIRECTIONAL GYRO	MID-CONTINENT	3300-10	H11-10732	31 JAN 2012	
THS Processor	AVIATION	70-2420-8THS605	M122572364	JUL 23 2012	
TRS ANTENNA	SENSOR SYSTEMS	S72-1750-31C	10006	JUL 23 2012	
TAS ANTENNA	SENSOR SYSTEMS	S72-1750-32L	10060	JUL 23 2012	
GDIGI	GARMIN	011-02369-00	22T005313	MAY 16 2016	
DME Transponder	GARMIN	AV-74 Antenna	N/A	MAY 16 2016	
Flight Stream 2D	GARMIN	3KED04061	MAY 16 2016		

R66 AIRFRAME MAINTENANCE RECORD**SECTION 5****AIRWORTHINESS DIRECTIVES AND MANUFACTURERS SERVICE DOCUMENTS**

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
Service Document Number	N4RH	ROBINSON HELICOPTER CO.	R66 TURBINE	03/14/2012

All Service Bulletins compiled with through SB # 03 as applicable.		Date	Authorization
All FAA Airworthiness Directives compiled with through biweekly issue # 2012-05 as applicable during production.		03/14/2012	RHCPC424WE

Airworthiness Directive or Service Document Number	Item Affected	Time of Compliance	One-Time or Recurring	Next Due	Compliance Details	Authorization
SB 05B	Clutch Retaining Bolt	24 APR 13	1 Time	N/A	Per SB 05 instructions	Dale Apr 22 2012 SIGN CERT
SB 04	Oil Cooling Fan Inlet Clearance	03-39 70.30	1 time	N/A	Verify .10 inch minimum forward clearance between G174-1 forward & F305-5 inlets.	AP 3000631
SB 06	Fuel Switch Backing Plate	03-39 70.30	1 time	N/A	Installing MS 29512-03	AP 3000631
SB 07	Throttle Control Routing	03-39 70.30	1 time	N/A	Pushing on switch bush pres.	AP 3000631
SB 08	Hydraulic Solenoid Diode	03-39 70.30	1 time	N/A	Verify C 522-10 control lines 3.0" min. radius in bend	AP 3000631
SB 09	Rotor RPM Sender Assembly	10-1-13	1 time	N/A	Replacing D507-2 solenoid with D826-1 solenoid	AP 3000631
SB 10	Hanger Bearings Assembly	71.72	1 Time	N/A	Applying 3 270-10 adhesive to yellow dot and painting to yellow dot	AP 3000631
SB 11	T/R Gearbox Sight Glass	292.2	1 Time	N/A	Installed KI-222 Installed KI-222	AP 3000631
SB 12	Landing Gear Nut Attack Nuts	6-5-2015	1 Time	N/A	Installed B563-4 sight gauge	AP 2534024
SB 13	Main Rotor Blade Modification	292.2	1 Time	N/A	Installed D20-7 nuts & lockwashers	AP 2534024
SB 14	Drive Shaft Tele-Rope Install	6-5-2015	1 Time	N/A	Trimmed blades per SB-13	AP 2534024
SB 15	G500H Wire Chafe	4-19-2016	1 Time	N/A	Installed TeleTemp on R122-1	David Helm AP 2534024
					Boeing AP 2534024	David Helm AP 2534024



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HELICOPTER COMPANY
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SECTION
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AIRWORTHINESS DIRECTIVES AND MANUFACTURERS SERVICE DOCUMENTS (Continued)

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0111	N4RH	ROBINSON HELICOPTER CO.	R66 TURBINE	03/14/2012



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R66 AIRFRAME MAINTENANCE RECORD

SECTION 7

RADIO AND ELECTRONIC CHECKS

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0111	N4RH	ROBINSON HELICOPTER CO.	R66 TURBINE	03/14/2012

Statement		Component Data	Authorization	
The following transponder has been tested per 14 CFR § 91.413, RPS 77 and has been found to comply with 14 CFR Part 43, Appendix F and also meets EASA.R.AMOC.01117R1 for compliance with EASA AD 2006-0265. (A804 and C804 installation records are on file at RHC).				
MANUFACTURER	GARMIN	15414747		
MODEL	GTX-327		PROD. CERT. NO. 424WE	
SERIAL NO.	83743210		13JAN 2012	

Item Affected	Equipment	Check Date	Check Interval	Next Check Due	Type of Check	Result	Authorization
GTX-327	TRANSPONDER	13 JAN 2012	N/A	24 CAL MONTHS	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE
SSD120-RS232	BLIND ENCODER	13 JAN 2012	N/A	24 CAL MONTHS	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE
AA12S-600	AUDIO CONTROL	31 JAN 2012	N/A	N/A	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE
KY196A	TRANSCIEVER	31 JAN 2012	N/A	N/A	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE
GNS530AW XCVR	GPS/COM/NAV	31 JAN 2012	N/A	N/A	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE
GI 106A	INDICATOR	31 JAN 2012	N/A	N/A	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE
406AF	ELT	31 JAN 2012	N/A	N/A	FUNCTIONAL	PASS	<input checked="" type="checkbox"/> RHCPC424WE

N 4RH Tach 3700 Altitude

I certify that the ultimate encoding and static system test required by FAR 91.411 and the transponder test required by 91.413 have been successfully performed this date. 8-1-16

Technician DSR Work Order 61290

McCain Aviation CRS4MVR101C

R66 AIRFRAME MAINTENANCE RECORD

SECTION 9

SCHEDULED MAINTENANCE (Continued)

Serial Number 0111	Registration N4RH	Manufacturer ROBISON HELICOPTER CO.	Model R66 TURBINE	Date of Manufacture 03/14/2012
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Date	Helicopter Time in Service	AIRWORTHINESS CERTIFICATE	Authorization
			SIGN
			CERT

Make: Robinson Model: R66 Turbine Serial No.: 111 Act TSN:70.24 Act total time: 70.24	First Choice Aviation Inc. FCAC	Reg. No.: N4RH Date: 9 MAY 13
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Log Book Entry	Page: 1 of 1
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Description of Work Accomplished

Removed/installed inspection panels in accordance with the R66 annual/100hr checklist and maintenance manual. Performed an annual inspection in accordance with FAR 43 appendix D. Run up and leak checked OK. I certify this helicopter was inspected in accordance with annual inspection, and has been determined to be in an airworthy condition at this time.

Approval for Return to Service

Signature: 
 Jeffrey Subb IA 2782511

First Choice Aviation
7743 Caoba Ct. Lake Worth FL 33467 Phone (561) 602-5011

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R66 AIRFRAME MAINTENANCE RECORD

SECTION 9

SCHEDULED MAINTENANCE (Continued)

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0111	N4RH	ROBINSON HELICOPTER CO.	R66 TURBINE	03/14/2012
Date of Completion	Helicopter Time in Service	RECORD OF INSPECTION TYPE AND SCOPE, DISCREPANCIES FOUND, AND AIRWORTHINESS STATUS (CFR 43.11 AND 91.409)		Authorization of Work Performed / Approval for Return to Service

Date 10-1-13 Hobbs 70.30 Total Time 83.39
 I certify that this aircraft/engine/propeller
 has been inspected in accordance with
a n o n u c e d inspection and was
 found to be in airworthy condition.
 Airframe TT: 83.39
 Airframe SN: 0111
 N#: N4RH
 Osvaldo Torres 3060631

Signature 202

Inspected I/A/W Robinson Helicopter Company 100 Hr/ annual inspection checklist list.
 Replaced F771-1 air filter. Cleaned and tested MRGB and TRGB chip detectors. Installed new teletemp 110-2 on TRGB. Inspected ELT. Installed M/R Blades SN: **0301 & 0293**. C/W **SB04**. C/W **SB07**. C/W **SB08**. C/W **SB09**. Installed new battery RG24-20 SN: **40434891**. Performed check of M/R track and balance .09 IPS in hover. Performed Overspeed inspection IAW R66 Sec. 5.64. I certify that this rotorcraft has been inspected in accordance with an annual inspection and was found to be in airworthy condition at this time. AD's none issued at this time.

N4RH		MERCURY	Hobbs Time	159.5
Airframe Log			A/C Total Time	159.5
Serial Number	0111		Date	5/16/2014
Engine S.N.	RRE-200119			

Performed a 100hr/Annual inspection using the RHC R66 and RR R300 inspection guides. Replaced m/r gearbox filter per section 12-12. Cleaned gearbox chip detectors per 12-13 and 12-22. Touched up eroded paint on t/r blade tips. Installed new m/r p/c link jam nuts per 5-30 thru 5-33. Installed new fire extinguisher. Performed m/r track and balance: Hov. Lat.-.070, Hov. Vert.-.083, 65KTS Vert.-.110, 120KTS Vert.-.076. Pilot/Static/transponder checks completed by Aircraft Electromotive. See separate sign-off. I certify this aircraft was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.



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SECTION 9

SCHEDULED MAINTENANCE (Continued)

Serial Number	Registration	Manufacturer	Model	Date of Manufacture
0111	N4RH	ROBINSON HELICOPTER CO.	R66 TURBINE	03/14/2012

Completion		Time in Service	RECORD OF INSPECTION TYPE AND SCOPE, SCHEDULED MAINTENANCE DISCREPANCIES FOUND, AND AIRWORTHINESS STATUS (CFR 43.11 AND 91.409)			Authorization of Work Performed / Approval for Return to Service	
			M4RH	MERCURY	Hobbs Time A/C Total Time Date	292.2 292.2 6/5/2015	SIGN CERT
			Airframe Log Serial Number Engine S.N.	0111 RRE-200119			

Cleaned gearbox chip deflectors per 12-13 and 12-22. Compiled with SB-11, SB-12 and SB-13. Replaced m/l teeter stops pn D151-2. Charged lv gearbox oil. Engine exhaust leak on copilot side. Repaired with 7020-3 ceramic putty per RHC MM 71-30 a & b. I certify this aircraft was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

		MERCURY
Airframe Log		Hobbs Time
Serial Number	0111	292.2
Engine S.N.	RRE-200119	A/C Total Time
		292.2
		Date
		6/5/2015

Performed a Joint/Annual inspection using the RHC R66 and RR R300 inspection guides. Cleaned gearbox chip detectors per 12-13 and 12-22. Compiled with SB-18A. Found broken safety wire and loose plug. Inspected plug and output yoke area and found no damage. Re-installed plug per F90-1 with new torque value of 60 ft. lbs. wet and safited in two locations. Inspected ELT per 14CFR91.207. ELT battery due replacement 07/2018. I certify this aircraft was inspected in accordance with an Annual Inspection per FAR 43 Appendix D and was determined to be in airworthy condition.

John Hobbs Apr 28 1924 IA