

BLUE HAWAIIAN HELICOPTERS  
 APPROVED AIRCRAFT INSPECTION PROGRAM (AAIP)  
 EC130T2 SERIES - 150 HOUR INSPECTION (12 MONTH)  
 (BHH FORM 002T2, 7/15/13, REVISION 3)

Date: 1/6/16	A/C Reg No. N11VQ	NG Cycles 568
A/C Serial No. 8070	Aircraft TT 627.2	N2 Cycles 244
Eng Serial No. 50708	Engine TT 627.2	A/F Cycles 770
VEMD Flight No.	VEMD Failure No.	VEMD Over Limit No.

A general inspection is to be carried out at each point. The general inspection shall include inspection for proper condition, mounting, tightness, cleanliness and correct play. Check surrounding structure for cracks, condition of riveting and protective treatment.

Check electrical wires and radio cables for condition and security. Check hydraulic, fuel, oil and all other lines and fittings for condition, security and proper clearance from structure and other lines. All defects found shall be transferred to discrepancy form BHH 015 for corrective action.

It is up to the technician to ensure that the most current maintenance procedures are followed for each task performed.

1.0 General – Pre-inspection	Mechanic	Inspector
1.1 Consult aircraft logbook for any remarks by pilot, clear all discrepancies.		
1.2 Check airframe cycles against "Due Cycles" on component control sheets.		
1.3 Check aircraft logbook, component records sheets, and AI Pro for TT, possible component changes, and inspections coming due are the same. Enter on the aircraft inspection work order/or discrepancy listing as applicable.		
1.4 Check MX Manager and AI Pro for applicable service bulletins, service instructions, service letters, memos and A.D. compliance due.		
1.5 Check flight manual for proper weight and balance, that form "C" is current and that it matches AI Pro. Ensure equipment list is current.		
1.6 Check condition and mounting of registration and airworthiness certificate. Ensure airworthiness certificate is in plain view IAW FAR 91.203(B) and signature is legible.		
1.7 Check that MEL is located in aircraft and any deferred items are not past due, (if applicable).		
1.8 Check that the guide containing the flight related checks ("P" check, ALF) and daily operating checks is in the aircraft.		

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2.0 Cockpit – Cabin – Instruments	Mechanic	Inspector
2.1 Inspect canopy for cracks, paint blistering, deformations. Ref. AMM 53-21-00, 6-1.	A	T
2.2 Inspect doghouse for security without removal.	A	T
2.3 Inspect nose camera for condition, security. Remove camera filter, clean and lubricate threads with mastinox and reinstall. Inspect side cameras and mounting brackets for condition and security. Clean filter and lubricate threads with mastinox as applicable.	J	T
2.4 Inspect interior camera for condition, security of attachment.	J	T
2.5 Inspect Garmin G500 display (GDU 620) for condition and security of attachment, all knobs and buttons for operation and legibility, wires and backshells for deterioration or damage.	J	T
2.6 Inspect VHF radio for condition and security of attachment. Turn power on, verify display comes on and is legible.	J	T
2.7 Inspect GPS/VHF radio for condition and security of attachment. Turn power on, verify display is legible. Verify placard is installed "GPS OPERABLE IN VFR CONDITIONS ONLY".	J	T
2.8 Inspect transponder for condition and security of attachment. Turn power on and verify the display is legible.	J	T
2.9 Inspect instrument light 1 and instrument light 2 for proper operation. Inspect cabin lighting for proper operation.	J	T
2.10 Doors, hinges, locking system, spring-loaded rods. Check for proper operation and condition. AMM 52-11-01, 6-1.	J	T
2.11 Carry out a door jettison test. Jettison doors, lube hinges, reinstall doors, reinstall protective covers on jettison handles. AMM 52-11-01, 5-1.	J	T
2.12 Inspect seat belts for proper installation, security and condition. CMM 25-20-80 (CMM 25-22-12, para, 5.2.2 & 25-11-59, page 501/502 for FQ).	J	T

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2.0 Cockpit – Cabin – Instruments (continued)	Mechanic	Inspector
2.13 Inspect passengers headsets and microphones for serviceability and correct operation of L/H and R/H channels, Perform microphone ops check.	[REDACTED]	[REDACTED]
2.14 Pilot's and co-pilot's seats. Check for security and condition.	[REDACTED]	[REDACTED]
2.15 Rear seats. Check for security and condition.	[REDACTED]	[REDACTED]
2.16 Sliding door, guide rails, stops, closing mechanism and latch (if installed). AMM 52-12-01, 6-1.	[REDACTED]	[REDACTED]
2.17 Flying controls, freedom of movement.	[REDACTED]	[REDACTED]
2.18 Transparent panels, check for cracks and cleanliness. Ref AMM 56-11-00, 6-1.	[REDACTED]	[REDACTED]
2.19 Yaw indicator, check condition.	[REDACTED]	[REDACTED]
2.20 Check instruments for condition and security of attachment. Check that instrument glasses are free from mist. Check control buttons, switches and rheostats for proper operation.	[REDACTED]	[REDACTED]
2.21 Inspect placards and decals for legibility and condition. Verify that all the required placards are installed.	[REDACTED]	[REDACTED]
2.22 Standby compass mounting condition and that the bowl is free from air bubbles and leaks. Cleanliness of fluid. Check sensitivity of compass sphere. Deviate compass from initial position by at least 10 degrees using a magnet. The compass should, after this deviation, return to its initial equilibrium, position +/- 1 degree. Verify compass card is legible with A/C S/N, date, "radios on/a/c on"	[REDACTED]	[REDACTED]
2.23 Inspect video recording and audio installation for condition, security of attachment.	[REDACTED]	[REDACTED]
2.24 Check condition and security of attachment of airspeed indicator. It should read zero.	[REDACTED]	[REDACTED]
2.25 Check fuel shut off handle for security and proper safety.	[REDACTED]	[REDACTED]
2.26 Check altimeter for condition and security of attachment. When current barometric pressure has been set in Kollsman window, altimeter should indicate field elevation.	[REDACTED]	[REDACTED]
2.27 Check artificial horizon for condition and security of attachment. Turn power on and check for proper operation.	[REDACTED]	[REDACTED]
2.28 Verify accuracy of OAT gauges (VEMD and G500 if installed) against a calibrated thermometer.	[REDACTED]	[REDACTED]
2.29 Inspect fire extinguisher. Complete BHH form 16.	[REDACTED]	[REDACTED]

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2.0 Cockpit – Cabin – Instruments (continued)	Mechanic	Inspector
2.30 First aid kit – mounting and condition. Check for complete inventory and expiration of contents. List first product to expire and expiration date. <u>FJEWAP 1-17</u>	[REDACTED]	[REDACTED]
2.31 Verify survival equipment is installed and complete. List first product to expire and expiration date. <u>EMERGENCY FLARES 6-17</u>	[REDACTED]	[REDACTED]
2.32 Perform function test of ELT and check due date of battery. Check on VHF frequency 121.5. Battery due date <u>7-20</u>	[REDACTED]	[REDACTED]
2.33 Perform functional check of twist grip assembly. Ref. AMM 76-12-00, 6-1 or 76-12-04, 5-1 & 6-1, & EASB 05A014	[REDACTED]	[REDACTED]

3.0 Side Baggage Holds	Mechanic	Inspector
3.1 Fuel tank, air vents, drains, fuel system lines, and filler neck. Check fuel tank straps for security of attachment and general condition..	R/H [REDACTED] L/H [REDACTED]	[REDACTED]
3.2 Remove and inspect fuel cap for condition and proper locking. Inspect functionally for proper operation. Also ensure aircraft has fuel cap key.	[REDACTED]	[REDACTED]
3.3 Flight control rods and bell crank. Check for clearance, security and general condition. Check lateral servo bell crank levers for no evidence of contact IAW IN-2377-I-67.	R/H [REDACTED] L/H [REDACTED]	[REDACTED]
3.4 Structure-to-MGB connection (pay close attention to airframe mount points).	R/H [REDACTED] L/H [REDACTED]	[REDACTED]
3.5 Side baggage doors, inspect hinges for lubrication and condition, inspect lock assembly and center and forward latches for security, proper engagement and operation.	R/H [REDACTED] L/H [REDACTED]	[REDACTED]
3.6 Operation of cargo door ajar warning systems. Ref AMM 52-31-01, 5-1	R/H [REDACTED] L/H [REDACTED]	[REDACTED]
3.7 Clearance between fuel tank front wall and flight controls vertical rods, actuate controls, measure clearance not less than 12mm (.472").	[REDACTED]	[REDACTED]
3.8 Condition and security of tail rotor control sheath.	[REDACTED]	[REDACTED]
3.9 Inspect BHH audio video system components system for condition and proper operation and security of mounting	[REDACTED]	[REDACTED]

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4.0 Rear Baggage Compartment	Mechanic	Inspector
4.1 Check M/R tie down rope/pouch kit.	[REDACTED]	[REDACTED]
4.2 Remove all interior panel and inspect bulkheads. Check T/B mount/attach point for security, condition and cleanliness. Ref. AMM 53-31-00, 6-1. Remove master electrical box cover, check general condition and security of all items in electrical box. Reinstall cover and interior panels.	[REDACTED]	[REDACTED]
4.3 Inspect battery cables and connections at tail boom junction area for general security, condition and routing,	[REDACTED]	[REDACTED]
4.4 Inspect FADEC control box, 23K relay and all other relays installed for security of attachment and general condition. Check that all Fadec harness plugs are securely fastened.	[REDACTED]	[REDACTED]
4.5 AVCA: Inspect computer and power amplifier for condition, security of attachment, proper wire routing.	[REDACTED]	[REDACTED]
5.0 Below Cabin Floor/Body Structure	Mechanic	Inspector
5.1 Landing lights, pitot head, static port and drain, and condition or pitot static system.	[REDACTED]	[REDACTED]
5.2 Inspect pulselite control box and wiring for security and installation. Perform functional check of lights.	[REDACTED]	[REDACTED]
5.3 Flying control: rods, bell cranks and ball controls and mixing unit.	[REDACTED]	[REDACTED]
5.4 Antenna(s) for security and condition.	[REDACTED]	[REDACTED]
5.5 Tank support beams, struts.	[REDACTED]	[REDACTED]
5.6 Inspect fuel system: tank transmitter, boost pump and fuel system Lines for cleanliness, general condition, security, proper routing and attachment, absence of chaffing of hoses or wiring.	[REDACTED]	[REDACTED]
5.7 Check condition of all belly panels for cracks, separations and indications of chaffing.	[REDACTED]	[REDACTED]
5.8 AVCA: Inspect 4 cabin anti-vibrator assemblies, for general condition, security of attachments, absence of cracks or corrosion. Ref. AMM 18-30-00, 6-1.	[REDACTED]	[REDACTED]
5.9 AVCA: Inspect 5 accelerometers for proper installation, security of accelerometer onto its mounting brackets.	[REDACTED]	[REDACTED]
5.10 Inspect pick up of the web on the canopy for cracks. Ref. 53-21-00, 6-1	[REDACTED]	[REDACTED]
5.11 Inspect optional equipment for condition and security of attachment. This includes but is not limited to the Garmin equipment and mounts for condition and security of attachment, bonding straps and surfaces for corrosion, electrical wiring for damage, video relay, mount, wiring and cameras.	[REDACTED]	[REDACTED]

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6.0 Landing Gear	Mechanic	Inspector
6.1 Landing gear cross tubes and mounting points, Inspect for nicks, corrosion, cracks, and for general security. Touch-up paint and non-skid as required.	[Redacted]	[Redacted]
6.2 R/H and L/H skid tubes for condition and corrosion including shoes for wear and security and steps for condition and looseness. Touch up paint and non-skid as required.	[Redacted]	[Redacted]
6.3 Check condition and security of ground handling wheel mount hardware	[Redacted]	[Redacted]
6.4 Inspect aft landing gear fairings for security, cracks, proper installation.	[Redacted]	[Redacted]
6.5 Check blades/spring on both skids for condition and security.	[Redacted]	[Redacted]
6.6 <u>Aerazur Float System.</u> A) Inspect float bags, covers, bottles, lines and electrical systems. Ref AMM 25-67-00, 5.1 & 6.1 B) Disconnect L/H and R/H float bottle electrical connectors. Perform electrical check of both circuits using test box. C) Ensure inflation switch and "ARM" switch is in the "OFF" position. Turn off electrical power D) Reinstall both float bottle electrical connectors E) Inspect float bottles for correct pressure reading. Reference placard located on aircraft or bottle for proper pressure. Ref Aerazur CMM 25-69-11, inspection/check, pages, 500 Para 2	A) [Redacted] B) [Redacted] C) [Redacted] D) [Redacted] E) [Redacted]	[Redacted]
6.7 Inspect maintenance/loading step for security, paint, proper installation. Touch up paint and non-skid as required.	[Redacted]	[Redacted]
7.0 Trans Support Platform Main Rotor	Mechanic	Inspector
7.1 Remove blades, clean and inspect sleeves, blade pins and diaper pins on M/R/H. Treat blade pins and diaper pins with molly-coat and lubricate with lubriplate. Ref. AMM 62-11-00, 3-3..	[Redacted]	T
7.2 Wash M/R blades. Check condition of skin. Visually check for gaps at the rear of the stainless steel leading strips (lower and upper surfaces). Inspect abrasion strips and colored tape. Inspect tip strike tabs for condition, security and sealing. Remove tip bolts and lubricate with mastinox and reinstall. Ref AMM 62-11-00, 6-1 & 6.3.	[Redacted]	T
7.3 MGB oil system lines for obvious defects, deterioration, proper routing. Transmission deck for general condition and cleanliness.	[Redacted]	T

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7.0 Trans Support Platform Main Rotor (continued)	Mechanic	Inspector
7.4 Servo controls, flight control rods for general condition, security of attachment, proper locking, freedom of movement. Check rod ends for excessive play.	[Redacted]	[Redacted]
7.5 MGB oil level and MGB chip plug for metal and continuity. Inspect mast chip plug for continuity (if applicable) and metal. Clean and reinstall. Ref. AMM 60-00-00, 6-2.	[Redacted]	[Redacted]
7.6 Inspect engine oil system, tank level and lines.	[Redacted]	[Redacted]
7.7 Loosen hydraulic belt and remove from pulley. Inspect belt for condition. Inspect pulley bearing for play, grease leakage, brinelling or hard spots. Lube bearing and inspect bearing grease IAW SB 05-015. Inspect elastomeric drive without removal. Reinstall hydraulic belt with proper tension. Ref. AMM 63-11-00, 6-2, 6-15 & 6-18.	[Redacted]	[Redacted]
7.8 Inspect #1 hydraulic system reservoir for fluid discoloration or signs of contamination, fluid level, chip plug for metal, bypass button not visible. (Belt driven pump, fwd tank, lower servo body system).	[Redacted]	[Redacted]
7.9 Inspect #2 hydraulic system reservoir for fluid discoloration or signs of contamination, fluid level, chip plug for metal, bypass button not visible. (Forward MGB pump, aft tank, upper servo body system).	[Redacted]	[Redacted]
7.10 Inspect strut securing bulkhead and bulkhead backing strut.	[Redacted]	[Redacted]
7.11 MGB suspension bars, attachment brackets and deck fittings.	[Redacted]	[Redacted]
7.12 MGB "dogbone" cross beam mount; check condition, security, including bearings for condition of elastomerics (laminated pads). Ref AMM 63-31-00, 6-5 & 6-6.	[Redacted]	[Redacted]
7.13 Oil coolers and motor/fan assy. Check attachment fittings and mounting brackets for security of attachment, cracks, and corrosion. Inspect IAW AD 2014-22-51 para. (e), and EASB 05A020 para. 3. Sign off on AD repeat listing.	[Redacted]	[Redacted]
7.14 Inspect MDS flexible couplings, gimbal assy and shaft for condition and security. Ref AMM 63-11-00, 6-18.	[Redacted]	[Redacted]
7.15 Remove, clean, inspect, lubricate and reinstall gimbal ring pins. Ref. AMM 63-11-00, 6-7	[Redacted]	[Redacted]
7.16 Inspect rotor brake assy for condition and proper operation. Ref. AMM 63-51-00, 6-1.	[Redacted]	[Redacted]
7.17 Inspect droop retainers and check that they are not hitting pitch horns. Lube droop ring with plasti-lube.	[Redacted]	[Redacted]
7.18 Inspect rotor shaft, scissors, P/C rods.	[Redacted]	[Redacted]

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7.0 Trans Support Platform Main Rotor (continued)	Mechanic	Inspector
7.19 Disconnect P.C. links and rotating scissors. Inspect and lubricate swashplate duplex bearing with Aeroshell #7 grease or Royco 27 (G354) Ref. AMM 62-32-00, 3-1 & 6-1	[REDACTED]	[REDACTED]
7.20 Perform tactile check of swashplate ball joint (uniball). Ref. AMM 62-32-00, 6-1.	[REDACTED]	[REDACTED]
7.21 Remove all scissors links bolts and bushings. Clean, inspect, lube as required. AMM 62-33-00, 3-1.	[REDACTED]	[REDACTED]
7.22 Disconnect upper servo attachment bolts. Lift up swashplate assy and inspect condition of self-lubricated adhesive strip and guide. Ref. AMM 62-32-00, 6-2.	[REDACTED]	[REDACTED]
7.23 Inspect all rod ends (P/C link and servo) for play and attachment bolts for condition.	[REDACTED]	[REDACTED]
7.24 After inspection, reinstall P/C links. Reinstall scissors links and bolts with carbide washers in the proper position. Ref. AMM 62-33-00, 4-1. and install upper servo bolts per AMM 67-31-00, 4-2.	[REDACTED]	[REDACTED]
7.25 Main rotor electrical bonding braids.	[REDACTED]	[REDACTED]
7.26 Check spherical thrust bearings. Ref. AMM 62-21-00, 6-4	[REDACTED]	[REDACTED]
7.27 Condition of anti-vibration absorber for general condition and security of attachment.	[REDACTED]	[REDACTED]
7.28 Inspect starflex. Ref. AMM 62-21-00, 6-1.	[REDACTED]	[REDACTED]
7.29 Inspect MRH sleeves.	[REDACTED]	[REDACTED]
7.30 Inspect frequency adapters.	[REDACTED]	[REDACTED]
7.31 Self-lubricating spherical bearings for corrosion, excessive play. Ref. AMM 62-21-00, 6-2.	[REDACTED]	[REDACTED]
7.32 Check L/H and R/H MGB cowling latches, snaps, hinges, dzuses, receptacles and condition of composite material.	[REDACTED]	[REDACTED]
<b>8.0 Air Conditioning System</b>	M	c I tor
8.1 Compressor: Inspect for condition and mounting, security of attachment, mounts for possible cracks. AMM 21-51-02, 6-1.	[REDACTED]	[REDACTED]
8.2 Belt: Inspect for cracks and condition, proper tension. AMM 21-51-02, 6-2.	[REDACTED]	[REDACTED]
8.3 A/C Coolant Hoses: Inspect for leaks at the unions or in the lines, make sure the heat shields are installed and are in good condition. Make sure the lines do not touch adjacent components and make sure the fasteners (clamps) that hold the lines are in good condition.	[REDACTED]	[REDACTED]



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<b>8.0 Air Conditioning System</b>	<b>Mechanic</b>	<b>Inspector</b>
8.4 Condenser assembly: Inspect for security of mounting, fins for damage and obstruction of the air path.	✓	✓
8.5 Condensor blower motor assembly. Inspect for security of attachment, cracks, signs of wear.	✓	✓
8.6 Cabin evaporator assembly. (MGB) Inspect housing and motor for cracks and security of mounting. Inspect flexible ducting for wear, security of attachment. Inspect air inlet scoops for obstructions.	✓	✓
8.7 Cabin/Cockpit air return box. (R/H cargo hold). Inspect fan assembly, air distribution box for security of attachment. Inspect flexible ducting for wear.	✓	✓
8.8 Cockpit evaporator/fan assembly: (below cabin floor) Inspect for security and mounting. Inspect ducting for security and attachment. Inspect air distribution box for security of attachment. Inspect air inlet and scoop for obstructions.	✓	✓
8.9 Inspect heating/demisting lines for signs of wear, security of attachment, proper routing.	✓	✓
8.10 Air-conditioning system control switches and air regulation controls for security and attachment and proper operation. Inspect electrical control box for tripped circuit breakers.	✓	✓
8.11 Inspect overhead cabin headliner for general condition and security. Inspect vents for security, condition and operation.	✓	✓

<b>9.0 Tail Boom and Tail Rotor</b>	<b>Mechanic</b>	<b>Inspector</b>
9.1 Check condition of outer skin for nicks, dents, corrosion and cracks. Ref. AMM 53-00-00, 6-2 (f)	✓	✓
9.2 T/R D/S cowling heat shield. Inspect for condition, fasteners, security and cleanliness.	✓	✓
9.3 T/R D/S cowling: general condition, security of attachment, condition of fasteners and cleanliness.	✓	✓
9.4 T/R D/S flex couplings, flanges, bearing blocks and bearing. Ref AMM 65-11-00, 6-4 & 6-5.	✓	✓
9.5 Inspect external power receptacle for security, corrosion, cracks and arcing damage to prongs.	✓	✓
9.6 Inspect battery compartment in tail boom. Inspect security, routing of wires, general condition. Ref. AMM 53-00-00, 6-1 & 24-00-00, 6-1.	✓	✓
9.7 Inspect radio antenna(s) for security, corrosion and condition.	✓	✓

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9.0 Tail Boom and Tail Rotor (continued)	Mechanic	Inspector
9.8 T/R G/B oil level and condition, chip plug for metal, continuity test, clean and install. Check for proper installation and security of oil filler cap. Ref. AMM 60-00-00, 6-2.	[Redacted]	[Redacted]
9.9 Aft fenestron housing. Check for security and condition of stators securing T/R gearbox assembly to tail boom support housing, the keel and the skid. Ref AMM 53-00-00, 6-1 para C.f.	[Redacted]	[Redacted]
9.10 Remove horizontal stabilizer. Inspect tail boom/fenestron junction external section aft and forward of junction ring frame IAW IN 2167-I-53, AMM 53-00-00, 6-1, EASB 05A017 para. 3.B.2, & <b>AD 2014-12-51 para. (e)(2)</b> . Check for cracks, paint chipping or flaking, security of attachment, and working rivets. Clean and inspect for cracks the front and rear side of the circumference of the junction frame. <b>Sign off on AD repeat listing form 084.</b>	[Redacted]	[Redacted]
9.11 Inspect horizontal stabilizer, skin and mounting doublers and fittings on T/B for cracks and/or corrosion. Inspect and lubricate stabilizer bolts with mastinox, reinstall horizontal stabilizer. Ref. AMM 53-00-00, 6-2 & 55-11-00, 4-1.	[Redacted]	[Redacted]
9.12 Check operation and condition, mounting of position lights on the horizontal stabilizer.	[Redacted]	[Redacted]
9.13 Check operation and condition, mounting of anti-collision lights.	[Redacted]	[Redacted]
9.14 Forward tail rotor short shaft inspection. Visual check without removal. Ref. AMM 65-11-00, 6-11.	[Redacted]	[Redacted]
9.15 Middle tail rotor long shaft inspection. Visual check without removal. Ref. AMM 65-11-00, 6-19.	[Redacted]	[Redacted]
9.16 Rear shaft section inspection. Visual check without removal. Ref. AMM 65-11-00, 6-13.	[Redacted]	[Redacted]
9.17 Flexible coupling, visual check without removal. Ref. AMM 65-11-00, 6-14.	[Redacted]	[Redacted]
9.18 Bearing Block, visual check without removal, Ref AMM 65-11-00,6-17.	[Redacted]	[Redacted]
9.19 Sliding flange inspection. Visual check without removal. Ref. AMM 65-11-00, 6-16.	[Redacted]	[Redacted]
9.20 Tail rotor blade and bearing check. Ref AMM 64-21-00, 6-1	[Redacted]	[Redacted]
9.21 Tail rotor blade assembly. Visual check without removal. Ref. AMM 64-21-00, 6-21.	[Redacted]	[Redacted]

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9.0 Tail Boom and Tail Rotor (continued)	Mechanic	Inspector
9.22 Tail rotor hub fairing inspection. Ref AMM 64-21-00, 6-4.	[REDACTED]	[REDACTED]
9.23 Tail rotor central plate inspection. Visual check without removal. Ref AMM 64-21-00, 6-22.	[REDACTED]	[REDACTED]
9.24 Tail rotor control plate assembly inspection. Visual check without removal. Ref AMM 64-21-00, 6-23.	[REDACTED]	[REDACTED]
9.25 Tail rotor hub assembly inspection. Visual check without removal. Ref AMM 64-21-00, 6-24.	[REDACTED]	[REDACTED]
9.26 Tail rotor outer bearing block inspection. Visual check without removal. Ref AMM 64-21-00, 6-25.	[REDACTED]	[REDACTED]
9.27 Inspect fenestron duct area, check clearance of the blades. AMM64-21-00, 6-2	[REDACTED]	[REDACTED]
9.28 Tail rotor inner bearing block inspection. Visual check without removal. Ref AMM 64-21-00, 6-26.	[REDACTED]	[REDACTED]
9.29 Tail rotor torsion tie bar inspection. Visual check without removal. Ref AMM 64-21-00, 6-10a & 6-10b.	[REDACTED]	[REDACTED]
9.30 Tail rotor torsion tie bar to blade attach bolt inspection. Visual check without removal. Ref AMM 64-21-00, 6-28.	[REDACTED]	[REDACTED]
9.31 Tail rotor torsion tie bar to rotor hub attach bolt inspection. Visual check without removal. Ref AMM 64-21-00, 6-29	[REDACTED]	[REDACTED]
9.32 Tail rotor upper chinese ring inspection. Visual check without removal. Ref AMM 64-21-00, 6-30.	T	[REDACTED]
9.33 Tail rotor lower chinese ring inspection. Visual check without removal. Ref AMM 64-21-00, 6-31.	T	[REDACTED]
9.34 Tail rotor splined flange inspection. Visual check without removal. Ref AMM 64-21-00, 6-16.	T	[REDACTED]
9.35 Tail rotor thrust bearing inspection. Visual check without removal. Ref AMM 64-21-00, 6-18.	T	[REDACTED]
9.36 Apply corrosion preventative to fenestron hub assembly as needed.	T	[REDACTED]
9.37 If not c/w in the last 7 days, balance fenestron assembly with balance gear. Balance to .2 ips or less. Actual ips when completed = <u>0.148</u> .	T	[REDACTED]
9.38 If not c/w in the last 7 days, balance #1 tail rotor driveshaft assembly with balance gear. Balance to .2 ips or less. Actual ips when completed = <u>0.011</u> .	T	[REDACTED]
9.39 If not c/w in the last 7 days, balance aft tail rotor driveshaft assembly with balance gear. Balance to .2 ips or less. Actual ips when completed = <u>0.034</u> .	T	[REDACTED]

BLUE HAWAIIAN HELICOPTERS  
 APPROVED AIRCRAFT INSPECTION PROGRAM (AAIP)  
 EC130T2 SERIES - 150 HOUR INSPECTION (12 MONTH)  
 (BHH FORM 002T2, 7/15/13, REVISION 3)

10.0 Powerplant	Mechanic	Inspector
10.1 Proceed with a sampling for spectrometric analysis.		
10.2 If not C/W within the last seven days, wash compressor with Turco 5884. Disconnect air lines when accomplishing this. Reconnect air lines.		
10.3 Inspect powerplant installation. AMM 71-00-00, 6-1.		
10.4 Inspect for cracks and corrosion and clean intake housing.		
10.5. Inspect for cracks on front engine support		
10.6 Inspect visually the two attachment clamps of engine (condition and locking).		
10.7 Check condition and attachment of control and indicating harness (tightening and locking of connectors).		
10.8 Check condition and attachment of pyrometric harness. Tightening of thermocouples.		
10.9 Check p3 air unions for security and correct safeties.		
10.10 Inspect fire detectors.		
10.11 Look for defects on fixed parts of compressor.		
10.12 Look for defects on axial compressor blades.		
10.13 Seek defects on free turbine		
10.14. Check exhaust pipe and heat shield, free from cracks, correct attachment.		
10.15 Check condition of casings (no leaks from sealing faces).		
10.16 Check condition of H.E. igniters. Remove, operationally test and inspect: torque igniters 33 in lbs.		
10.17 Perform borescope inspection of 1st turbine rotor, combustion liner, combustion liner front swirlplate and outer ring of bolts on combustion liner. Also inspect centrifugal compressor and centrifugal compressor cover for defects. (If borescope is available)		
10.18 Inspect HP turbine blades for displacement.		

BLUE HAWAIIAN HELICOPTERS  
 APPROVED AIRCRAFT INSPECTION PROGRAM (AIP)  
 EC130T2 SERIES - 150 HOUR INSPECTION (12 MONTH)  
 (BHH FORM 002T2, 7/15/13, REVISION 3)

10.0 Powerplant (continued)	Mechanic	Inspector
10.19 Inspect injectors. (w/o removal).		
10.20 Check general condition of starter generator, terminal lug covers and security of clamp. Inspect brushes <b>without removal</b> . (Ref, SL 2097-I-24). Blow out brush area with compressed air. (524-031 S/G only) Measure brush length with tool P/N PO33158. Note brush length. Green ___ Yellow <input checked="" type="checkbox"/> Red ___ If brush length is in the red, change starter generator if available, not brushes. CMM 80.19.02.		
10.21 Inspect turbine casing drain valve. (w/o removal).		
10.22 Inspect torquemeter sensor (w/o removal).		
10.23 Check condition of H.E. generator.		
10.24 Inspect P3 air sensor. (w/o removal).		
10.25 Inspection and cleaning of reduction gear and accessory box magnetic plugs. Task 79-36-00-900-801.		
10.26 Inspect HP-LP pump and metering valve unit (HMU) canon plugs, wiring for security and general condition of attachment.		
10.27 Inspect alternator pickups, N2 pickup (w/o removal).		
10.28 Inspect bleed valve (w/o removal).		
10.29 Inspect adjusted valve assembly. (w/o removal).		
10.30 Inspect tachometer transmitter. (w/o removal).		
10.31 Inspect low oil pressure switch. (w/o removal).		
10.32 Inspect oil pump. (w/o removal).		
10.33 Inspection, cleaning magnetic plug with indicator at oil outlet.		
10.34 Complete or carry out the oil replenishment.		
10.35 Perform engine coastdown check from ground idle to stop. Results = <u>47</u> seconds.		
10.36 Apply corrosion preventative to HMU and accessories as needed.		
10.37 Perform auto test of Fadec. Ref. AMM 73-20-00, 6-1.		

BLUE HAWAIIAN HELICOPTERS  
 APPROVED AIRCRAFT INSPECTION PROGRAM (AAIP)  
 EC130T2 SERIES - 150 HOUR INSPECTION (12 MONTH)  
 (BHH FORM 002T2, 7/15/13, REVISION 3)

11.0 General - Post Inspection		Mechanic	Inspector
11.1	Install main rotor blades.	[Redacted]	[Redacted]
11.2	Inspect aircraft for any loose objects, such as rigging fixtures, tools, rags, etc.	[Redacted]	[Redacted]
11.3	Verify ELT is in ARM position after inspection.	[Redacted]	[Redacted]
11.4	Verify that all AD's are signed off and all removed parts are tagged	[Redacted]	[Redacted]
11.5	Verify that all discrepancies and maintenance performed are properly signed off on the discrepancy form in accordance with FAR 43.9 and/or 43.11 as applicable.	[Redacted]	[Redacted]
11.6	Complete the inspection compliance entry below and make the entry in the aircraft logbook.	[Redacted]	[Redacted]
11.7	Make the following entry in the aircraft logbook "A/C requires run-up and leak check prior to next flight."	[Redacted]	[Redacted]
11.8	Make the following entry in the aircraft logbook "A/C requires operational flight check prior to return to service."	[Redacted]	[Redacted]

Fill out this statement and make the following entry in the aircraft log book:  
 "I certify that this aircraft N 1110, A/C TT 627-2 Engine S/N 50708  
 Engine TT 627-2 has been inspected in accordance with a Blue Hawaiian Helicopters AAIP  
 100/150 hour inspection and that each were determined to be in an airworthy condition."  
 Signature, certificate number and initials of mechanics performing this inspection.

1/4/16  
 Date \_\_\_\_\_  
 \_\_\_\_\_  
 Mechanic Signature  
 \_\_\_\_\_  
 Certificate Number


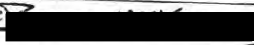

Signature, initials and Certificate Number of mechanics performing this inspection:

_____ Signature	_____ Certificate Number	_____ Initials
_____ Signature	AP_____ Certificate Number	_____ Initials
_____ Signature	_____ Certificate Number	_____ Initials
_____ Signature	_____ Certificate Number	_____ Initials
_____ Signature	AP_____ Certificate Number	_____ Initials

BLUE HAWAIIAN HELICOPTERS  
 APPROVED AIRCRAFT INSPECTION PROGRAM (AAIP)  
 DISCREPANCY LISTING  
 (BHH Form 015, 5/01/07, Revision 1)

Date: 1-6-16 Aircraft TT 627.2 Aircraft N 11VQ Engine TT 627.2

Note: The corrective action sign-offs should meet FAR Part 43.9 and/or 43.11 as applicable.  
 Each item should have mechanic signature, certificate type and certificate number.

DISCREPANCY	CORRECTIVE ACTION	INSPECTOR INITIALS
1) During boot inspection request replacement of rubber coupling for Belt driven Hyd Pump	1) Remove rubber spring coupling and installed new coupling PN 704A33635001 work ref AMM chapter 29.11-00 as applicable.	
	Mechanic Signature & Certificate  APR 	
	Mechanic Signature & Certificate	
	Mechanic Signature & Certificate	
	Mechanic Signature & Certificate	
	Mechanic Signature & Certificate	
	Mechanic Signature & Certificate	
	Mechanic Signature & Certificate	
	Mechanic Signature & Certificate	

BLUE HAWAIIAN HELICOPTERS  
 COMPONENT REPLACEMENT INFORMATION SHEET  
 (BHH FORM 012E EC130, 12/9/14 Rush Revision 4f)

N11VQ S/N 8070

AIRCRAFT			Installation Information		
N11QC	SN 3358	Date of Installation <u>1/6/16</u>	<input checked="" type="checkbox"/>	50 Hour	<input checked="" type="checkbox"/>
N11QE	SN 3381			100 Hour	<input checked="" type="checkbox"/>
N11QF	SN 3482		<input checked="" type="checkbox"/>	150/100 Hour	<input checked="" type="checkbox"/>
N11QG	SN 3534		<input checked="" type="checkbox"/>	1 month Fire Extinguisher	<input checked="" type="checkbox"/>
N11QH	SN 3561	Aircraft Total Time <u>627.2</u>		400 Hour	
N11QK	SN 3639		<input checked="" type="checkbox"/>	600 Hour (1T)	<input checked="" type="checkbox"/>
N11QL	SN 3738			1,200 Hour (2T)	
N11QM	SN 3751	Engine Total Time <u>627.2</u>		1000 Hour Fenestron	
N11QN	SN 3758			Engine 600/800 Hour	
N11QP	SN 4715			Permeability Check _____ seconds	
N11QU	SN 4758	Engine Cycles (VEMD) <u>568</u> NG - _____ <u>244</u> N2 - _____		Engine Vibe Results MMS	
N11QW	SN 4929		<input checked="" type="checkbox"/>	NG Coast down <u>47</u> seconds	
N11QX	SN 7198			Flow Check ML	
N11QY	SN 7229			AD 2014-12-05 HMU Spline Insp. R & R only	
N11EQ	SN 7485		SB 292 73 2812 HMU spline 500 hrs after install		
N11FQ	SN 7571		ASB 292 72 2825 Borescope of HP Blades		
N11HQ	SN 7603	Airframe Cycles <u>770</u>		AD 2014-20-15 Fenestron T/B Junction Insp.	
N11KQ	SN 7723			AD 2013-22-22 (e)(2) 2D HMU Replacement	
N11LQ	SN 7801		<input checked="" type="checkbox"/>	ELT Functional Check (30 Day)	<input checked="" type="checkbox"/>
N11MQ	SN 7879	Log Sheet Page # <u>209428</u>		Creep Count _____ %	
N11NQ	SN 7950				
N11TQ	SN 8044				

	Removed Part Information	Installed Part Information
Part Number (one only)		
Part Description (one only)		
Serial Number(s)		
Tracking Number(s)		
Part time at Change:	TSO: _____ TSN: _____	TSO: _____ TSN: _____
If this part was removed from another aircraft, which aircraft? N _____		
Mechanics Initials: <u>ds</u> AI Pro Updated _____ (A/C times, next inspection/component)		
Other Inspections complied with/ Remarks/Reason Removed		
Engine Replacement Form Completed _____ initials		QUALITY ASSURANCE DEPARTMENT ONLY Engine logbook entry c/w _____ initials
Yellow tag / Form 8130 attach if required _____ initials		Log cards complete _____ initials

QUALITY ASSURANCE DEPARTMENT: MX MANAGER UPDATED [REDACTED] MX MANAGER CHECKED \_\_\_\_\_



Maintenance Detail Report

Reg No N11VQ	Serial No 8070	Last Updated: 1/16/2016	Tach Time 687.80	Total Time 687.80			
Limit Name	Correction Factor	Total	Limit Type	Current	Correction Factor	Total	Last Updated
859.00 A/F Cycles		687.80 AC Hours	2.80 Creep Usage			687.80 Engine Hours	
1/16/2016 Months		618.00 NG Cycles	262.00 PT Cycles				

	Requirement/Description		Last Complied With		Limit Name	Event	Limits				
			Counts	Date			Interval	Buffer	Total	Due At	Remaining
1	Oas Carding Inspection	INSPECTION	0.00	11/10/2014	Months	Not Applicable	0.00	0.00	14.00	0	0.00
2	50 Hour	INSPECTION	675.80	1/14/2016	AC Hours	Inspection	50.00	0.00	12.00	725.8	38.00 *
3	100 Hour	INSPECTION	627.20	1/6/2016	AC Hours	Inspection	100.00	0.00	60.60	727.2	39.40 *
4	150 Hour	INSPECTION	627.20	1/6/2016	AC Hours	Inspection	150.00	0.00	60.60	777.2	89.40 *
5	400 Hour	INSPECTION	316.30	10/29/2015	AC Hours	Inspection	400.00	0.00	371.50	716.3	28.50 *
6	600 HOUR AIRFRAME	"T" INSPECTION	627.20	1/6/2016	AC Hours	Inspection	600.00	0.00	60.60	1227.2	539.40
7	1200 HOUR AIRFRAME	2T INSPECTION	0	8/14/2015	AC Hours	Inspection	1,200.00	0.00	687.80	1200	512.20
8	12 YEAR MAJOR INSPECTION	144 MONTH MAJOR INSPECTION	0	8/14/2015	Months	Inspection	144.00	0.00	5.00	8/14/2027	139.00
9	MGB CROSSBEAM	INSPECTION	0	8/14/2015	AC Hours	Inspection	3,000.00	0.00	687.80	3000	2,312.20
10	FENESTRON INSPECTION	INSPECTION	0	8/14/2015	AC Hours	Inspection	1,000.00	0.00	687.80	1000	312.20
11	A/C Temp Probe TH90	INSPECTION	0	8/14/2015	AC Hours	Inspection	3,000.00	0.00	687.80	3000	2,312.20
12	ENGINE 800 HOUR INSPECTION	INSPECTION	0	8/14/2015	AC Hours	Inspection	800.00	0.00	687.80	800	112.20 *
13			0	8/14/2015	Engine Hours	Inspection	800.00	0.00	687.80	800	112.20 *
14	ENGINE FIRE DETECTOR	INSPECTION	0	8/14/2015	AC Hours	Inspection	3,500.00	0.00	687.80	3500	2,812.20
15	Fuel Low Level Check	INSPECTION	0	8/14/2015	AC Hours	Inspection	3,000.00	0.00	687.80	3000	2,312.20
16	M/R TRACK AND BALANCE	MAINTENANCE	7.60	8/26/2015	AC Hours	On Condition	0.00	0.00	680.20	0	0.00
17	WEIGHT AND BALANCE(OAS)	Physical Weight and Balance	7.60	8/15/2015	Months	Not Applicable	0.00	0.00	5.00	0	0.00

\* Indicates an item meets or exceeds the alert parameter.  
Reg No: N11VQ

# BLUE HAWAIIAN HELICOPTERS

## EC130B4/T2 DAILY LOG

LOCATION: HILO WAIKOLOA KAHULUI LIHUE OAHU MODEL: EC 130B4/(2)

DATE: 1.6.16 SERIAL NO. 8070 REG NO. N11VQ

Hour Meter	Brought Forward	Airframe TT	Engine TT	N1 Cycles (EECU)	N2 Cycles (EECU)	A/F Cycles
End	627.2	624.6	624.6	566	243	765
Begin	624.6	2.6	2.6			5
Today	2.6	627.2	627.2	568	244	770

**Next Insp. Due** A/F Time  
 50 HR oil sample N/A  
 50 HR coast down A  
 50 HR (EC130T2) 645.8  
 100 Hour 656.5  
 150 Hour 630.1  
 600 HR A/F 660.0  
 600 HR engine N/A  
 800 HR Eng.(EC130T2) 800.0  
 Floats 1/17  
 25HR AD 690.0

Performed Daily Checks and Inspection as per EC130 AMM 05.40.00.6.1 and Arriel MM 05.20.10 Aircraft, determined to be in airworthy condition. Initials [Redacted]  
 Mech. Signature [Signature]  
 A&P Certificate No. [Redacted] Date 1/5/16  
 Eng. Oil Added:  Daily Eng. Rinse: ZOK

**Power Trends**

N1	95	NR/NF	394
T4	819	PA	2080
TQ	76.5	OAT	+69
T4 Margin		TRQ Margin	

EC130T2 Usage =  
 TRQ Margin/TOT = +8.9%  
 TRQ Margin/N1 = +5.4%

Pilot preflight checks performed IAW Flight Manual, Section 4. Found satisfactory for flight. Initials A  
 Pilot Signature: [Redacted] Cert. No. [Redacted]  
 Turnaround checks performed IAW Flight Manual, Section 4. Found satisfactory for flight. (Initial below)

Pilot	Type Flight	A/C Hour
<u>A</u>	<u>3 KEA</u>	<u>2.6</u>

Next Component Due		Flights for today							
A/F Component	A/F Time	#1	#2	#3	#4	#5	#6	#7	
STARTER/GEN	1200.0								
HYD. BELT	1800.0								
Eng. Component	Eng. Time	Were exceedences Noted?(Initial)	yes no	yes no	yes no	yes no	yes no	yes no	
HMU	800.0		<u>455</u>						

Enter all Discrepancies	Initials	Enter all Corrective Action	Signature & Certificate No.
① 150 HR AND 600 HR (TYPE "T") INSPECTION DUE	<u>DS</u>	① 1/6/16, I CERTIFY THAT THIS AIRCRAFT N11VQ A/C TT 627.2, ENGINE S/N 50708, ENGINE TT 627.2 HAS BEEN INSPECTED IN ACCORDANCE WITH A BLUE HAWAIIAN HELICOPTERS AAIP 100/150 HOUR AND 600 HOUR (TYPE "T") INSPECTION AND THAT EACH WERE DETERMINED TO BE IN AN AIRWORTHY CONDITION	<u>[Signature]</u> <u>[Redacted]</u>
② AIRCRAFT REQUIRES RUN-UP AND LEAK CHECK PRIOR TO NEXT FLIGHT	<u>DS</u>	② COMPLIED WITH GROUND-RUN AND LEAK CHECK WITH NO DEFECT/LEAK NOTED AT 627.2 ACFT TT DATED 1/6/16	<u>[Signature]</u> <u>[Redacted]</u>

T/N 110988

6 Modification and Services Bulletin checking Contrôle d'exécution des modifications et des Services Bulletins						
No. Numéro	Type of modification Nature de la modification	Performing unit or contractor Unité ou société d'exécution	Date of embodiment and Inspection stamp Date d'exécution et tampon de contrôle			
5		Aircraft Version and S/N Version et No Appareil	Operation Fonctionnement			Certification Attestation
Contractor Unité ou société	Date Date		Support Support	Partial Partiel	Total Total	F0210 es
THALES	11/09/2014				0H	Manuf. / Fab.* Receipt. / Réception.
						Depreservation * Destockage
						Period overhaul * Période de révision VP
AH	24/11/2014	EC 130 T2 8070	0H		0H	Fitting * Montage F0210 es

\* Delete as necessary \* Rayer la mention inutile

LOG CARD / FICHE MATRICULE				Log card n° Fiche n°	1
<del>Follow-up Sheet for new equipment / Fiche suiveuse Matériel neuf</del>					
1 Materiel identification / Identification du matériel					
Name Dénomination		GENERATOR, STARTER GENERATRICE DEMARREUR			
NATO Nomenclature Nomenclature OTAN		704A46101011			
AH Part number Référence AH		524 031		NATO Manuf Code F0296 Code OTAN fabricant	
Manufacturer's Part number Référence fabricant		5493		Version	
Delivery configuration Configuration de livraison				Amendments ABCDEFGHJ Amendements	
Serial number Numéro de série				Type	
Supplier Fabricant		THALES Avionics Electrical System		Type	
2 Contract or order / Marché ou commande					
Reference Référence				Date	
Issuing agency Organisme émetteur				Kit n° N° Kit ou lot	
Contractor Fournisseur				Adresse	
3 Guarantee / Garantie					
Equipment Matériel	Date of delivery Date de livraison	Guaranteed storage period Durée garantie de stockage	Service date Date de mise en service	Guarantee operation period Durée Garantie de fonctionnement	
4 Special information / Renseignements particuliers					
Appendix to table 4 : Annexe au tableau 4		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	No of sheet : Nb de page	
Inventory of lifed components : Inventaire des pièces à durée de Vie		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	No of sheet : Nb de page	
Transfert sheet : Fiche Matricule de Transfert		YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	No of sheet : Nb de page	
Operating limit Limite de fonctionnement			Life limit Limite de vie		ATA 80

AIRBUS HELICOPTERS F 16-04 B3

