AIRCRAFT REG. NO	SERIAL NO	MODEL NO	DATE
AIRCRAFT TOTAL TIME	WORK ORDER NO.	DATE	COMPLETED

UH-1B 100HR./ANNUAL INSPECTION	MECHANIC
NOSE AREA	
1. Nose section exterior for damage, compartment interior for cleanliness, equipment for damage and	
loose connections, doors for secure latching.	
2. Back of instrument panel and all piping and wiring for loose connections, evidence of chafing and	
security.	
3. Pitot/Static ports for freedom of obstruction and cleanliness. Purge system with clean dry air (10-60	
psi) if required.	
4. Window and windshield for damage and cleanliness.	
5. Test outside air temperature OAT gauge.	18/4
CABIN AND LANDING GEAR AREA	
1. Cabin and exterior for damage, ventilators for obstruction, leaking, or damage and all surfaces for	
loose or missing access plates, chipping or peeling paint, marking for legibility, skin for cracks.	
2. Landing gear, cap assembly and bumpers for damage and security, cross tubes for excessive spread.	
3. Crew doors for positive latching and cargo door rollers, sliders for damage and proper operation.	
4. Cabin interior clean and clear of loose objects or tools, condition of sound proofing, if used. Legibility	
of markings, cargo tie downs for security, aft cabin wall for bonding separation.	
5. Fire extinguisher, bracket, seal, for damage and security, presence of inspection tag and proper	
location.	
6. First aid kit for designated location, condition and security.	
7. Seats for positive movement, locking in all positions, damage and security, inertial reels for positive	
locking and unlocking, damage and security.	
8. All instruments for cleanliness and damage, range markings for accuracy and legibility, lights for	
corrosion and missing bulbs or shields, rheostats and switches for missing or loose knobs.	
9. Compass correction card for availability and legibility, magnetic compass for liquid discoloration.	
10. Open inspection plates and access doors to gain access to the cabin structure and check for cracks	
and corrosion.	
11. Flight control linkage under deck for damage and security, collective pitch control stick for correct	
minimum friction load.	
12. Collective friction for wear every 300 hours.	
13. Heater ducts, valves and lines under deck for condition, damage and security.	
CENTER FUSELAGE AREA	
1. Fuel tank sump drains and fuel filter for water or other contamination, fuel supply lines for damage	
and evidence of leaks.	
2. Battery internal and external connections for arcing, corrosion, battery for security, leakage and	
cleanliness, service as required, vent lines for obstructions and kinking.	
3. External power receptacle, access door and caution light switch for condition and security.	
4. Oil cooler, duct, blower, screen and bleed air line for obstructions, damage and security, supporting	
structure for condition. Clean oil cooler screen and fan blade assembly. Check bearing for roughness or	
binding.	
5. Control linkage and hydraulic cylinders in fuselage below pylon for evidence of leaks from cylinders	
and connecting lines, damage and security, retainer for looseness, and sealant between rigid connecting	

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AIRCRAFT TOTAL TIME				
				
link and clevis rod end, if broken, re repair sealant.	emove tube assembly and	check for corrosion a	and thread damage,	
6. Cyclic and collective cylinders fo	r proper clearance hetwe	en servo valve and in	nut lever adjusting	
screw, security of the retainer and			•	
7. Cargo suspension assembly for s				†
test hook for rotational play indicat				
latch.	O ar arrange print a prin		or operation or outday	
8. Fuel lines in area of transmission	for proper clearance.			1
9. All visible and accessible electric	al wiring for chafing or da	maged insulation and	security of	
connections.				
10. Open access doors and inspecti	on plates in fuselage behi	nd cabin and below e	ngine deck to gain	
access to structure and check for de			5	
PYLON AREA				
1. Main rotor hub pillow block and	grip reservoirs, hub asser	mbly, counter-weight	blade grips, pitch	
horns and drag braces for condition		,	, 3	
2. Inspect rotating control system (
,				
3. Wipe main rotor blade upper an	d lower surfaces with a cl	ean soft cloth and ins	pect both surfaces and	1
blade tips for damage, cracks, and			•	1
and dents, scarf joints for erosion a			,	
4. Stabilizer dampers for full fluid l			for nicks, cracks, and	
security.		,,		
5. Synchronized elevator control lin	kage for damage and sec	urity, bearings and bu	shings for wear and	1
excessive play, collective levers for			0	-
6. Transmission cowling for damag				
	•	,		
7. Excessive wear of gimble bearing	gs and attach bolts.		•	
•				
8. Swashplate, scissor and sleeve, o	drive links, and connecting	g linkage for corrosion	n, damage, and	
security. 3 control lugs on swashpla				
between collective drive mast for e	xcessive play. Grease	•	J	
9. Hydraulic system components a	nd lines for evidence of le	aks, damage, and sec	urity. Reservoir for	1
fluid level and presence of contami	nants, filter for appearan	ce of red indicator bu	tton. Filler cap	
sediment screen for condition and	cleanliness. Wipe clean al	l exposed hydraulic p	istons with alcohol.	
10. Remove and replace hydraulic f				
11. Remove and replace hydraulic f	ilter (metal element) ever	y 1000 hours.		
12 Main innut delyngh of according	6			1
12. Main input driveshaft couplings	Tor evidence of grease le	akage and clamps for	security.	
13. Main input driveshaft couplings	internal splines, inspect	and lubricate every 60	00 hours or 12 months	1
whichever comes first.		•		1
14. Transmission for oil leaks, dama	ige, and security. Sump fo	r water contamination	n, external oil filter for	
bypass indication, sight gauge for c				
12 months.	•	•	·	
15. Remove transmission sump oil f	filter (wafer disc screens)	and electrical chip de	tector and check for	
contamination, then clean and rein	•	-		
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AIRCRAFT REG. NO	SERIAL NO	MODEL NO	DATE	
AIRCRAFT TOTAL TIME	WORK ORDER NO)	DATE COMPLETED	
mulle for domage, shafing and and			 	
quills for damage, chafing and second			1. 1. 5	1
16. Pylon mounts for security, stru			•	
beam and transmission support ca				ļ
17. Friction dampers for correct lo	st motion and damping rate	e every 300 hours.		
10 Friedrick demands for the				ļ
18. Friction dampers for damage a	na security.			12
10. Concretes havebas for free den		lalan dan da Angelatan		
19. Generator brushes for freedon		-		-
chafing, springs for distortion and				
of arcing, presence of oil or metal				-
20. Mast for visible damage and c lines. Vent on transmission top case		• •	ice of chaffing with oil	1
21. Replace external transmission		ng.		<u> </u>
21. Replace external transmission	on mer element.			
22. Stabilizer bar assembly for dan	and control and contrit	v Barwaight for can	with and contain to	+
the tube. Cable retainer for proper	_			
security.	clearance, bar connecting	minage for damage,	COTTOSIOTI, attu	
23. Sump case and support for evi	dence of chafing with oil lin	05		
23. Jump case and support for eve	actice of channil with on in	es.		
24. Quick disconnect for excessive	in and out motion			~
24. Quick disconnect for excessive	in and out motion.			
ENGINE		·····		
1. Engine cowling and fairing for k	oose or missing fasteners, d	amage, and security	Fire detector	
elements for security of attachmen				
2. Airframe FOD screen for foreign				
fasteners. Gap between screen see			ind loose or missing	1
3. Separator, remove top airframe			sand and dust	-
separator, foam and metal filter a	•	apper an interpeleur	Jana and dast	
4. Inlet housing, guide vanes and i		es for oil streak and F	OD housing filter	
support pads, front and rear flange			ob, nousing inter,	
5. Engine oil tank for security, line			fill every 100 hours or	1
12 months whichever comes first.	, , , , , , , , , , , , , , , , , , , ,		01017 200 110410 01	
6. Check chip detectors.				
•				
7. Engine accessories and connect	ion for condition, damage,	and security.		
	- , ,	•		
8. Engine compressor housing for	cracks, scratches, corrosior	, and security. Bleed	band assembly for	
bends, cracks, and security. Air ble	ed actuator for cleanliness,	condition, and secui	rity.	
9. Engine combustion chamber ho	using, exhaust diffuser, sur	port cone, fireshield	, and tail pipe for	
cracks, dents, and burned or buckl			• •	
10. Second stage turbine blades th	rough exhaust diffuser for	cracks, burns, dents,	and missing blades.	
11. Engine mounts for cracks, dam	age, and security.			
12. Raise engine so mount bearing	s are free of pillow blocks.	Check trunnion beari	ng for cracks and	
excessive play. If limits are exceed	ed or cracks are found, repl	ace bearing.		<u>L</u>

AIRCRAFT REG. NO	SERIAL NO	MODEL NO	DATE	
AIRCRAFT TOTAL TIME	WORK ORDER N	101	DATE COMPLETED	
40 51 41 11	** 1 1 1 1 .	14	1.0	1
13. Electrical cable assembly, igniti	on coll lead, and exhaust	thermocouple assemi	oly for cracks, chaffing,	
and security.				
14. Main and starting fuel manifold	•	uel control power lev	er for freedom of	
movement through full range to ea				
15. Starting fuel nozzles, inspect, cl	ean, check reinstall and o	r replace .		
			~	
16. Main fuel filter element-inspec	t and replace if micronic	paper type-clean if mo	etal screen type and] .
reinstall.				
17. Fuel control cover assembly str	ainer-inspect, clean and i	einstall. Replace serve	o tilter.	
40.				<u> </u>
18. Inspect, clean, and reinstall fue	l control inlet filter eleme	nt.		
			· · · · · · · · · · · · · · · · · · ·	
19. Power drive rotary booster pur	np for leaks, condition, a	nd security.		
			·	
20. Remove, inspect, clean, and re	install oil filter. Determin	e source of chips, if ar	ıy.	
21. Check fuel and oil control hose	assembly connections fo	r leaks, condition, and	security.	
	· · · · · · · · · · · · · · · · · · ·			
22. Starter generator cooling fan u	sed with 200 amp genera	tor, inspect impeller n	ut for tightness and	
bearing for binding.				
23. Accessory drive gearbox assem	bly, over speed governor	and tachometer drive	assemblies for cracked	
flanges, leakage, and security.	· · · · · · · · · · · · · · · · · · ·	<u> </u>	П	
TAILBOOM AREA			· · · · · · · · · · · · · · · · · · ·	
1. Inspect tailboom and vertical fir			oose or missing rivets,	
elevators and tail skid for condition				
2. Open tailboom access door and	driveshaft covers to insp	ect structure and long	erons for cracks,	
damage, and corrosion.				
3. 90 degree gearbox attachment (fittings for cracks, corrosi	on, and security. Silen	t chain grommet for	
wear.				
4. Inspect vertical fin rib along rive	t row at fin station 10.08	left side for cracks. In	spection to be	
accomplished through top most lig	hting hole of the vertical	fin forward spar with	a flashlight and	
inspection mirror.	· · · · · · · · · · · · · · · · · · ·	ÿ.		
5. Inspect vertical fin forward spar			annel for cracks in the	
area directly below the 90 degree g				
6. Tail rotor driveshaft for foreign o				
clamps, for condition and security.			age and seal condition.	
7. Tailboom attachment bolts for o	ondition and security. Fit	ting for cracks.		1
		<u> </u>		
8. 42 degree gearbox for oil leaks a	and security. Chip detecto	or for security and pro	per operation, vent for	
obstruction. Drain and service.				<u> </u>
9. 90 degree gearbox for leaks and	security. Chip detector f	or security and proper	operation, vent for	
obstruction. Drain and service.				
10. Tail rotor hub and blade assem	bly, crosshead to slider re	taining nuts and bolts	(2 places) for	
condition and security.				
11. Tail rotor control for condition	and security. Chain and s	procket for cleanlines:	and aft cable for	
condition and security.				<u> </u>

AIRCRAFT REG. NO	SERIAL NO	MODEL NO	DATE	
AIRCRAFT TOTAL TIME	WORK ORDER NO	DA	TE COMPLETED	_
43.0				 .
12. Remove tail rotor control tube threads for brass metal particles.	and check for excessive gre	ase on the shart, spline	es for wear and	
13. Remove tail rotor control quill	assembly and check splines,	threads, and sprocket	for wear.	
14. Tail rotor grips and yokes, blac	le pitch change attachments	bolts and nuts (4 place	es) for cracks,	_
damage, corrosion, and security.				
15. Track and balance tail rotor as	sembly, if required. Check fl	apping motion for prop	er clearance	
between vertical fin and tail rotor	<u> </u>			
16. Tail rotor control and elevator			and security.	
Bearings and bushings for excessive				
17. Tail rotor driveshaft hanger be		ck coupling (7 places) v	vith proper grease	
every 600 hours or 12 months, wh				
18. 42 degree gearbox input and comes first.	utput couplings due re-pack	every 600 hours or 12	months, whichever	
19. 90 degree gearbox input and o	output couplings due re-pack	every 600 hours or 12	months, whichever	
comes first.				
ALL AREAS				
Lubricate entire helicopter as p	er lubrication chart.			
2. Re-torque seal all bolts, nuts, e	tc. As needed.			· · · ·
POWER ON				
1. Perform avionics check for fund	tion, condition, and security	. Check that transpond	der certification is	
current.				
2. Check ELT batteries. ELT for fun	ction.			
3. Battery for 24 volts, caution lig	hts for illumination on test p	osition and fuel quanti	ty indicator for	
function. Check with test switch.	·	•		
4. Engine control for free action to	hrough full range of travel, i	lle stop release and go	vernor, rpm	
actuator for condition, security an	d proper operation.			
5. All interior and exterior lights,	strobes, landing, search, don	ne, map, navigation, in	strument, etc. Pitot	
heater for operation.			<u> </u>	
6. Check fuel control emergency s	ystem solenoid valve during	engine operation and	listen for unusual	
noise during engine coastdown.				
7. Combustion chamber drain val-		aining overboard durin	g engine operation	
and after coastdown or shutdown	-			
8. Voltage regulators for proper a	djustment, condition, and se	ecurity.		
9. Cargo hook electrical release fo	r proper operation.			N)
10. Main fuel filter for visual indications with boost pumps on.	ation of clogged element, wa	nter in filter, or other c	ontaminants. Check	
11. Rotate engine with starter (ign	uition off) and listen for unus	ual noises that might is	ndicate hinding Do	
not exceed 10 seconds continuous	•	an noises mat might h	naicate omanig. Do	
12. Check separator overboard ve		or prior to engine shute	lown for airstream	
flow, Smooth flow indicates sand				

AIRCRAFT REG. NO	SERIAL NO	MODEL NO.	DATE
	WORK ORDER N		
RECORDS CHECK			
1. Check TDATA system for airfr	ame and engine AD's. Make	entries in logbook as appl	icable.
2. Check engine and airframe red	cords for status on life limite	d components.	
3. Make all appropriate logbook	entries.		
SOME MANUALS USED (not all I	isted)		
TM55-1520-210-23-1			
TM55-2840-229-23-2			
TM-1520-210-23-3			
TM1-284-260-23P			
TM55-1520-210-23-2		.	
TM55-2840-229-23-1	· · · · · · · · · · · · · · · · · · ·		