

# CH-47D MAINTENANCE TEST FLIGHT CHECK SHEET

A/C MODEL & SERIAL NUMBER		DATE	PURPOSE OF TEST FLIGHT	
PILOT'S NAME & UNIT				
GROSS WEIGH:	LBS.	FAT	°C	DENSITY ALTITUDE: FT.
SYMBOLS: V = SATISFACTORY X = DEFICIENCY				
<b>PRIOR TO MFT</b>				b. GND idle 45 sec%
1. Forms and records				22. EMSN OIL PRESS
2. Weight and balance				CK 7 psi minimum
3. Emergency Beep - Check				23. ECL FLIGHT % rrpm
<b>STARTING ENGINES</b>				24. Beep Operation (P & CP)
1. BATT and Essen busses				25. Engine oil press fluct
2. Caution lights				a. No. 1 psi
3. Cockpit lighting				b. No. 2 psi
4. APU start				26. Minimum Beep
5. PWR XFER switches				a. Both
6. Cargo hook				b. No. 1
7. External lights				c. No. 2
8. Parking brakes/Swivel lock				27. Bleed Band Check
9. CGI				a. No. 1
10. Altimeters				b. No. 2
11. Fire Detector lights				ENGINE GROUND OPER.
12. Fire Control handle				1. VGI NORM. EMERG.
13. Fuel Quantity				2. Generator/X-TIE
14. Control Interference				a. Underfrequency
15. Neutral pedal measurement				3. Windshield Anti-Ice
16. Control Interlock				a. Pilot & AFCS Yaw Ports
17. Control Centering				4. Boost pump & XFEED CK
18. AFCS				5. XMSN OIL TEMP ind.
19. Control Breakout				6. XMSN OIL PRESS ind.
20. No. 1 Engine Start				7. HSI
a. Eng oil press psi				8. Emer. Eng. Trim
b. GND idle 45 sec %				9. Altimeters
21. No.2 Engine Start				10. HIT check
a. Eng oil press psi				

<b>TAXI CHECK</b>			3. RH Crossfeed check
1. Brakes check			a. Start lbs.
2. Power steering			b. Finish
3. Swivel locks check			c. Total lbs. used
<b>BEFORE HOVER CHECKS</b>			4. Torque Differential
1. LH Cross feed check lbs.			No.1 No.2
a. Start lbs.			a. Torque
b. Finish lbs.			b. N1
c. TOTAL lbs. used			5. Droop Eliminator
<b>HOVER CHECKS</b>			6. Engine anti-ice
1. AFCS			7. Flight Instruments
2. Control Position check			
a. Long, measure in.			
b. Lateral			
c. Pedals split in.			

REMARKS:

	<b>INFLIGHT CHECKS</b>			d. VOR
	1. Fuel Consumption			e. ILS
	2. Speed Sweep Check 50K			f. ADF-ANT, LOOP, BFO
	a. CYCLIC TRIM - CK RET			g. Marker Beacon, HIGH & LOW
	b. 60K			h. Transponder
	(1) Long Measure	in.		i. Missile alert
	(2) Lateral measure			j. HF
	(3) Pedal separation			k. Doppler
	(4) Airspeed indicators			12. Record Instrument indications
	3. CYCLIC TRIM CHECK 70K			FAT °C
	a. LCT lift-off speed			Pressure altitude Ft
	b. 80K			RRPM
	(1) Long measure	in.		
	(2) Airspeed indicators			Torque No. 1 No. 2
	4. AFCS CHECK - 110K			N1
	a. Pedal separation			PTIT
	b. Pitch axis			Eng oil temp
	c. Roll axis			Eng oil press
	d. Heading select			
	e. DASH - low rate check			XMSN OIL PRESS/TEMP
	f. BARO ALT HOLD			FWD psi °C
	5. Speed Sweep Check 120K			AFT psi °C
	a. Long measure	in.		MIX psi °C
	b. Emerg. exit doors (P&C/P)			L eng psi °C
	6. STVA Evaluation 120K			Hydraulic boost (Flight Engineer)
	7. Speed Sweep Check 140K			No. 1 psi °C
	a. Long measure	in.		No. 2 psi
	b. Lateral measure	in.		Utility psi °C
	c. Pedal separation	in.		<b>BEFORE LANDING</b>
	d. Airspeed indicators			<b>AFTER LANDING</b>
	8. 150K			<b>ENGINE SHUTDOWN</b>
	a. Long measure	in.		1. Coastdown time
	b. 1/REV, 3/REV Vib CK			a. No. 1 sec.
	c. Coordinated turns			b. No. 2 sec
	d. CYCLIC TRIM - EXT			<b>BEFORE LEAVING CHECKS</b>
	9. Autorotation			<b>COMPLETE/UPDATE FORMS</b>
	a. Pressure alt	ft.		
	b. FAT	°C		
	c. Fuel quantity	lbs.		
	d. RRPM flat pitch -	%		
	e. Pedal separation	in.		
	f. Vibration level			
	10. Engine TEAC entry TQ			
	Engine Topping	No. 1 No. 2		
	N1			
	PTIT			
	FAT	°C		
	11. Nav. & Comm			
	a. UHF			
	b. VHF-AM/FM			
	c. HSI and Mag compass			

REMARKS