Miltech Simulations CH47D

Normal Procedures

Caution
SIMULATION USE ONLY - DO NOT USE THIS DOCUMENTATION ON A REAL AIRCRAFT

Sim Operation Remarks

1. Make sure your controls are correctly configured for Helicopter Flight. Check the Recommended Hardware Configuration

Pre-Start

1. EAPS Engine Fan - CLOSED
2. External Lights - AS REQUIRED
3. Copilot Lights - AS REQUIRED
4. Compass Switch - AS REQUIRED
5. Cabin Temperature/HTG - AS REQUIRED
6. Electrical Switches - ALL OFF
7. Cockpit Lighting - AS REQUIRED
8. Crossfeed Switch - CLOSED
9. Fuel Station Switch - OFF
10. All Fuel Pump Switches - OFF
11. Start Switch - OFF
12. Engine Condition Levers - STOP
13. NR Switch - 100%
14. PRI/PREV Switches - PRI
15. Backup Power Switch - OFF
16. Load Share Switch - TRQ
17. Internal Lighting - AS REQUIRED
18. Pilot Lighting - AS REQUIRED
19. Anti Ice Switch - OFF
20. Hoist Switch - OFF
21. Master Hook Switch - OFF
22. Hook Select Switch - AS REQUIRED
23. Emergency Hook Release All Switch - OFF AND GUARDED
24. Hydraulic Power Transfer Switch - OFF
25. Hydraulic Flight Control Switch - OFF

26. Fire Pull Handle - IN
27. VGI Switch - NORM
28. Cyclic Trim Switch - AUTO
29. AFCS System Switch - OFF

Power Startup

1. Battery Switch - ON
2. Caution Light Switch - TEST
3. APU Switch - RUN
4. APU Switch - START
5. APU Generator Switch - ON
6. Hydraulic Power Transfer Switch - ON
7. Parking Brake Lever - SET
8. FADEC Backup Power - ON
9. Engine Condition Levers - BOTH STOP
10. EAPS Fan Switch - BOTH ON
11. Troops Warning Switch - ON for 10 Seconds

Engine Startup

1. Left Main Fuel Pump Switch - ON
2. Fuel Crossfeed Switch - OPEN
3. Engine Condition Lever 1 - GRD
4. Start Engine 1 - ON until 10% N1
5. Engine 1 Instruments (within 45 sec) - N1 >50%, Engine Oil Pressure >5 psi
6. Engine Condition Lever 2 - GRD
7. Start Engine 2 - ON until 10% N1
8. Engine 2 Instruments (within 45 sec) - N1 >50%, Engine Oil Pressure >5 psi
9. Oil Transmission Pressure - 7 Psi or Above
10. Engine Condition Lever 1 - FLT
11. Engine Condition Lever 2 - FLT
12. Engine Generator 1 - ON
13. Engine Generator 2 - ON
14. APU Generator Switch - OFF
15. Hydraulic Power XFER 1 and 2 Switches - OFF
16. APU - OFF

Pre Taxi

1. Fuel Pumps - ALL ON
2. Parking Brake Lever - OFF

Taxi

1. Power Steering - SWIVEL

Takeoff

1. Parking Brake Lever - OFF
2. AFCS System Select Switch - BOTH
3. Cyclic Trim Switch - AUTO
4. Power Steering - LOCKED
5. Transponder - AS REQUIRED

Climb, Cruise and Descent

1. Ramp Area - CHECK
2. Fuel Consumption - CHECK

Before Landing

1. Rotor Check - CHECK
2. Torque Check - CHECK
3. Engine Check - CHECK
4. Transmission Check - CHECK
5. Fuel Consumption - CHECK
6. Caution Light Check - CHECK
7. Parking Brake Lever - AS REQUIRED
8. Power Steering - LOCKED
9. Landing Area - ALL CLEAR

After Landing

1. Flight Controls - NEUTRALIZE
2. Cyclic Trim Switch - GROUND
3. Power Steering - SWIVEL

Engine Shutoff/Aircraft Switchoff

1. Flight Controls - NEUTRALIZE
2. Parking Brake Lever - SET
3. HTG Switch - OFF

4. AFCS System Select Switch - OFF
5. APU Switch - START
6. APU Generator Switch - ON
7. Engine Generator 1 and 2 Switch - OFF
8. Hydraulic Power XFER 1 and 2 Switch - ON
9. Engine Condition Levers - BOTH GRD
10. Crossfeed Switch - CLOSED
11. Fuel Pump Switch - ALL OFF
12. Engine Condition Levers - BOTH STOP
13. EAPS Engine Fan - BOTH CLOSED
14. FADEC Backup Power Switch - OFF
15. APU Generator Switch - OFF
16. APU - OFF
17. Lights - ALL OFF
18. Battery Switch - OFF