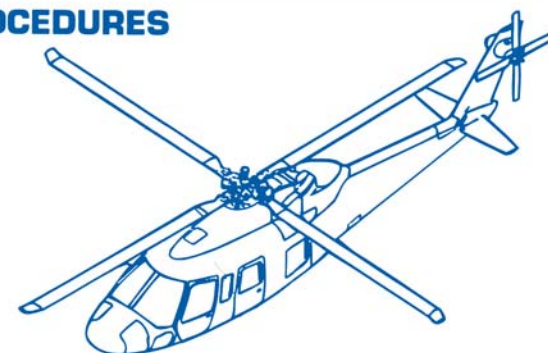


SIKORSKY 76TM

S-76A MODEL

NORMAL PROCEDURES



PILOT CHECKLIST

Checklist Designed and Produced
By Kirk Sunley & Rotorcraft Technologies®
For the Nemeth Designs S-76A



EXTERIOR CHECK

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1. Parking Brake.....SET
2. Rotor Brake.....ON
3. Battery Switch.....ON
4. Rotor Brake Caution Light.....ON
5. Fuel Quantity Indication.....NOTE
6. Battery Switch.....OFF
7. Rotor Brake
 - a. Electric Rotor Brake Switch.....REL
 - b. Manual Rotor Brake Handle.....OFF/IN DETENT
8. Pilots Door.....CHECKED/UNLOCKED
9. Emergency Door Jettison Handle.....SECURE
10. Right Nose Flotation Bottle.....PROPER PRESSURE
11. Right Cabin Door.....CHECK/UNLOCKED
12. Emergency Door Jettison Handle.....SECURE
13. Fuel Filler Cap.....FUEL LEVEL, CAP SECURE
14. Fuel Sump Drain.....DRAIN; CHECK FOR WATER & CONTAINMENTS
15. Drain/Vent Cluster.....LEAKAGE
16. Right Baggage Compartment Door.....SECURE
17. Electrical Compartment Access Panel.....SECURE
18. Baggage/Cargo.....SECURE
19. Right Main Gearbox Access Door.....OPEN
20. Right Main Gearbox Area.....CHECK
21. Second Stage Module.....PROPER FLUID LEVEL
22. Right Main Gearbox Access Door.....SECURE
23. Damper Reservoir.....PROPER FLUID LEVEL
24. Bifilar Vibration Absorbers.....CHECK


NOTE

Rotate the main rotor head 90 degree after items 25 through 32 have been completed and repeat for each main rotor blade and spindle assembly

25. Main Rotor Blade.....CHECK
26. Flap Restrainer.....CHECK
27. Pitch Change Horn and Linkage.....CHECK
28. Elastomeric Bearings.....CHECK
29. Inner Race Retention Collar.....CHECK
30. Inner Race.....IN PLACE, YELLOW TAPE VISIBLE
31. Droop Stop.....CHECK
32. Blade Damper.....CHECK
33. Swash Plate Assembly.....CHECK
34. Second Stage Hydraulic Access Door.....OPEN
35. Filter Bypass Indicators.....UNPOPPED
36. Second Stage Hydraulic Access Door.....SECURE
37. Flight Control Access Door.....OPEN
38. Flight Control Area.....CHECK
39. Flight Control Access Door.....SECURE
40. First Stage Hydraulic Access Door.....OPEN
41. First Stage Module.....PROPER FLUID LEVEL
42. Filter Bypass Indicators.....UNPOPPED
43. First Stage Hydraulic Access Door.....SECURE
44. Left Main Gearbox Access Door.....OPEN
45. Left Main Gearbox Area.....CHECK
46. Left Main Gearbox Access Door.....SECURE
47. Engine Oil Reservoir Door.....OPEN
48. Engine Oil Reservoir.....PROPER FLUID LEVELS

PRE-SHUTDOWN

1. Flight Controls.....CENTERED, COLLECTIVE DOWN
2. Parking Brake.....SET
3. AFCS.....OFF
4. Radio and EFIS Masters.....OFF
5. Switches.....AS DESIRED
6. Pre-Shutdown Checklist.....COMPLETE

SHUTDOWN

1. Engine Levers.....IDLE
2. Cool Down Complete, Engine LeversOFF
3. Rotor BrakeAS DESIRED
4. Remaining Engine Lever (If Applicable).....OFF
5. Shutdown Checklist.....COMPLETE

POST-SHUTDOWN

1. Fuel Levers.....OFF
2. Overhead Switches.....SET
3. Master Start Switch.....OFF
4. Standby Attitude Power Switch.....OFF
5. Post-Shutdown Checklist.....COMPLETE


PRE-LANDING

1. Levers.....DIRECT / FLY / FORWARD
2. Crew / Passengers.....ALERTED
3. Floats.....AS DESIRED
4. Anti-Ice.....AS DESIRED
5. Remaining Switches.....AS DESIRED
6. Cautions and Advisories.....CLEAR OR NOTED
7. T's & P'sNOTED
8. Landing Gear.....DOWN
9. Parking Brake.....AS DESIRED
10. Pre-Landing Checklist.....COMPLETE

GO AROUND

1. Climb Power.....% POWER SET
2. Positive Rate of Climb.....CONFIRM
3. Landing Gear.....UP
4. Climb Airspeed.....SET Vtoss / Vbrc AS BRIEFED
5. Go Around Checklist.....COMPLETE

POST-LANDING

1. Switches / Lights.....SET
2. Transponder / RADAR.....STANDBY
3. Cyclic Trim.....ON
4. Doors / Steps.....UNLOCK / EXTEND
5. Time Recorded
6. Post Landing Checklist.....COMPLETE

NOTE

If the engine oil level is low and the engine has been shut down for more than 15 minutes, motor the engine for 30 seconds and recheck.

49. Engine Oil Reservoir Door.....SECURE
50. Right Engine Air Intake Cowling.....OPEN
51. Engine Air Intake.....CLEAR
52. Main Gearbox Sight Gauge.....PROPER FLUID LEVEL
53. Main Gearbox Filter Bypass Indicator.....UNPOPPED
54. External Engine Oil Filter Bypass Indicators.....UNPOPPED
55. Compressor Inlet.....DAMAGE, DIRT ACCUMULATION
56. Right Engine Air Intake Cowling.....SECURE
57. Engine Cowling.....OPEN
58. No.2 Engine Oil Filter Bypass Indicator.....UNPOPPED
59. Fuel Filter Bypass Indicator.....UNPOPPED
60. Engine Area.....CHECK
61. Engine Fire Extinguisher Bottle.....PROPER PRESSURE
62. Right Baggage Compartment Door.....SECURE
63. Right Main Gear Strut.....EXTENSION
64. Tire.....INFLATION
65. Landing Gear Actuator.....LEAKAGE
66. Chocks and Gear Pin.....REMOVED
67. Landing Gear Control Valve
Retraction Bypass Indicator.....UNPOPPED
68. Brakes/Gear Door Wheel Well.....CHECK
69. Main Floatation Bottle.....PROPER PRESSURE
70. Flotation Bag.....SECURE
71. External Power Door.....SECURE OR APU CONNECTED



72. ECU Intake.....CLEAR
73. ECU Exhaust.....CLEAR
74. Right Antennas.....CHECK
75. Right Tail Cone Static Ports.....CLEAN, UNOBSTRUCTED
76. Horizontal Stabilizer.....CHECK
77. Right Tail Position Light.....CRACKED OR BROKEN LENS
78. Tail Cone Fairing.....SCRAPES
79. Intermediate Gearbox Sight Gauge.....PROPER FLUID LEVEL
80. Right Intermediate Gearbox Air Inlet.....CLEAR
81. Anti-collision and
Tail Position Light.....CRACKED OR BROKEN LENSES
82. Tail Rotor Head.....CHECK
83. Tail Rotor Blades.....CHECK
84. Tail Rotor Gearbox Sight.....PROPER FLUID LEVEL
85. Tail Rotor Gearbox Fairing.....CHECK
86. Left Intermediate Gearbox Air Inlet.....CLEAR
87. Horizontal Stabilizer.....CHECK
88. Left Position Light.....CRACKED OR BROKEN LENS
89. Left Tail Cone Static Ports.....CLEAN, UNOBSTRUCTED
90. Left Antennas.....CHECK
91. Tail Cone Access Panel.....SECURE
92. Fire Extinguisher Thermal Relief Indicator.....IN PLACE
93. Left Main Landing Gear Strut.....EXTENSION
94. Tire.....INFLATION
95. Landing Gear Actuator.....LEAKAGE

IFR APPROACH (IN RANGE)

1. ATIS.....CHECK
2. Altimeter.....SET & CHECKED
3. Approach Setup.....PNF
 - a. Check Airport and approach reference
 - b. Tune and identify primary NAV frequency on the captain's side, set standby if radio is required to be on another frequency, and set CRS selector.
 - c. Tune secondary NAVAIDS, identify and select RMI bearing selectors as necessary.
 - d. The MDA or DH may be set in the pilot's & copilot's DH window.
 - e. Review the remainder of the approach to yourself.(PNF).....APPROACH SETUP COMPLETE
4. Approach Briefing.....PF
CAT A / B or as desired. ADVISE PNF OF STANDARD CALL-OUTS OR SPECIAL INSTRUCTIONS....."APPROACH BRIEFING COMPLETE"
5. Pre-landing Checklist.....STATE WHEN/ WHERE
TO ACCOMPLISH
6. Engine Out Procedures.....REVIEW CALL-OUTS & TASKS
7. Questions (If Any).....CLARIFY
8. IFR Approach Checklist.....COMPLETE


CLIMB

1. Landing Gear.....CONFIRM UP
2. Remaining Switches.....AS DESIRED
3. Cautions & Advisories.....CLEAR OR NOTED
4. T's and P's.....NOTED
5. Climb Checklist.....COMPLETE

CRUISE

1. VNE.....NOTED
2. Fuel Flow / Quantity.....NOTED
3. FMS / FD.....SET & CHECKED
4. Cruise Checklist.....COMPLETE

VFR APPROACH (IN RANGE)

1. ATIS.....CHECK
2. Altimeter.....SET & CHECKED
3. Approach Briefing
CAT A / B or as desired.....ADVISE
PNF OF STANDARD CALL-OUTS OR
SPECIAL INSTRUCTION
4. Pre-landing Checklist.....STATE WHEN/
WHERE TO ACCOMPLISH
5. Engine Out Procedures.....REVIEW CALL-OUTS & TASKS
6. Questions (If Any).....CLARIFY
7. VFR Approach Checklist.....COMPLETE

96. Chocks and Gear Pin.....REMOVED
97. Brakes/Gear Door Wheel Well.....CHECK
98. Main Floatation Bottle.....PROPER PRESSURE
99. Flotation Bag.....SECURE
100. Right Baggage Compartment Door.....SECURE
101. Baggage/Cargo.....SECURE
102. Left Engine Air Intake Cowling.....OPEN
103. Engine Air Intake.....CLEAR
104. Rotor Brake Sight Gauge.....PROPER FLUID LEVEL
105. Rotor Brake Pucks.....CHECK DISK CLEARANCE
106. Compressor Inlet.....DAMAGE, DIRT ACCUMULATION
107. Left Engine Air Intake Cowling.....SECURE
108. No.1 Engine Air Intake Cowling.....SECURE
109. Fuel Filter Bypass Indicator.....UNPOPPED
110. Engine Area.....CHECK
111. Engine Fire Extinguisher Bottle.....PROPER PRESSURE
112. Engine Cowling.....SECURE
113. Left Baggage Compartment Door.....SECURE
114. Left Fuel Filler Cap.....FUEL LEVEL, CAP SECURE
115. Fuel Sump Drain.....DRAIN; CHECK FOR WATER &
CONTAINMENTS
116. Drain/Vent Cluster.....LEAKAGE
117. Right Cabin Door.....CHECK/UNLOCKED
118. Emergency Door Jettison Handle.....SECURE
119. Copilots Door.....CHECKED/UNLOCKED
120. Emergency Door Jettison Handle.....SECURE



121. Nose Gear LockPin.....REMOVED
122. Right Nose Flotation Bottle.....PROPER PRESSURE
123. Copilots Seatbelt.....SECURE (IF TO BE UNOCCUPIED)
124. Windshield.....CHECK
125. Windshield Wipers.....CHECK
126. Nosewheel.....IN TRAIL
127. Nose Landing Gear Strut.....CHECK
128. TireINFLATION
129. Nose Gear Compartment.....CHECK
130. Nose Flotation Panels.....CHECK
131. Controllable Searchlight.....LENS DAMAGED, STOWED
132. Left Electronics Compartment Access Panel.....REMOVED
133. Windshield Washer Reservoir.....PROPER FLUID LEVEL
134. Left Electronics Compartment Access Panel.....SECURE
135. Pitot Heads.....COVERS REMOVED, CLEAN
136. Right Electronics Compartment Access Panel.....REMOVED
137. Landing Gear Emergency Blowdown Bottle.....PROPER PRESSURE
138. Right Electronics Compartment Access Panel.....SECURE
139. OAT Source.....CLEAN, UNOBSTRUCTED
140. Main Rotor Tip Caps.....CHECK
141. All Doors and Cowlings.....SECURE
142. Exterior Checklist.....COMPLETE

PRE-TAKEOFF

1. Power Assurance.....AS REQUIRED
2. Levers.....DIRECT / FLY / FORWARD
3. Floats.....AS DESIRED
4. Anti-Ice.....AS DESIRED
5. Remaining Overhead Switches.....AS DESIRED
6. Cautions & Advisories.....CLEAR OR NOTED
7. T's and P's.....NOTED
8. AFCS/DAFCS.....CONFIRM ON
9. Fuel Quantity.....POUNDS
10. Breifing.....COMPLETED
11. Departure Clearance.....RECEIVED / NAV SETUP COMPLETE
12. Pre-takeoff Checklist.....COMPLETE

TAKEOFF

1. Nosewheel.....CENTERED
2. RADAR.....AS DESIRED
3. Time Recorded
4. Transponder.....ON
5. Hover Power.....ON-THE-GO
6. CPD
7. V-2
8. Positive ROC.....GEAR UP
9. Floats (if Required).....OFF
10. Takeoff Checklist.....COMPLETE



PRE-TAXI

1. COM / NAV / Transponder.....SET
2. ATIS.....INFORMATION
3. Altimeter.....SET
4. RADAR / Clock.....SET
5. FMS (Fuel Management System.....SET
6. Heading Bugs / Course Selectors.....SET
7. Chocks & Pins.....REMOVED
8. Doors.....SECURE
9. Passengers & Crew.....ALERTED
10. Pre-taxi ChecklistCOMPLETE

TAXI

1. Parking Brake.....OFF
2. Wheel Brakes.....CHECKED
3. Flight Instruments.....CHECKED
4. Taxi ChecklistCOMPLETE

INTERIOR CHECK

1. Cabin Exits.....SECURE AND ACCESIBLE
2. Cargo.....SECURE
3. Fire Extinguisher.....CHARGED AND SECURE
4. First Aid Kit.....SEALED AND SECURE
5. Emergency Locator Transmitter.....SECURE ANTENNAS
CONNECTED, SWITCH TO ARM
6. Required Aircraft Documents.....CHECKED
7. In-Flight Power Assurance.....NOTE MOST CURRENT
30-MINUTE POWER ASSURANCE
AND DAILY TREND CHECK DATA

NIGHT FLIGHTS

1. All Exterior Lights.....CHECK
2. All Interior Lights.....CHECK

BEFORE STARTING ENGINES

1. Safety Belts & Shoulder Harness.....CHECK
2. Seat & Tail Rotor Pedals.....ADJUST
3. Parking Brake.....SET
4. Flight Control Servo Switches.....CENTERED
5. Landing Gear HandleDOWN
6. Landing Gear Emergency T-Handle.....IN
7. Battery, Generators and Inverters.....ON
8. Master Start Switch.....ON
9. External Power Switch.....AS DESIRED
10. Arming Switches.....OFF
11. Remaining Switches.....AS DESIRED
12. Rotor Brake.....CHECK, SET AS DESIRED
13. Stick Trim Switches.....ON



14. AFSC Switches.....OFF
15. Caution / Advisory Panel.....PRESS-TO-TEST
16. Caution and Warning Lights.....CHECK
17. Standby Attitude Indicator.....ERECT / FLAG RETRACTED
18. Landing Gear.....CONFIRM LIGHTS ON
19. Fuel.....QUANTITY NOTED, + TESTED
20. Engine Failure Warning System.....TEST
21. Circuit-Breaker Panels.....CHECK
22. Prime, Fire Ext/Det Test Switches.....OFF OR NORMAL
23. Fire Detector System.....TEST
24. Engine Levers.....OFF
25. Fuel Levers.....XFEED
26. T-Handles.....FORWARD
27. Before Starting Engine Checklist.....COMPLETE

STARTING ENGINES

1. Rotor Area.....CLEAR
2. Passengers and Crew.....ALERTED
3. No.1 Engine.....START
4. Oil Temp & Pressure.....NOTE
5. DC Gen Caution Light.....OFF
6. External PowerOFF/ AS REQUIRED
7. Rotor Brake.....OFF
8. Transmission Oil & Hydraulic Systems.....NOTE
9. No.1 Engine Lever.....ADJUST Nr 65-70%
10. Flight Control and Servo SystemCHECK
11. No.1 Engine Lever.....FLY
12. No.2 Engine.....START
13. Oil Temp & Pressure.....NOTE
13. No.2 Engine Lever.....ADJUST Nr 65-70%
13. No.2 Engine Lever.....FLY
14. Fuel Levers.....DIRECT
15. AC Gen Caution Light.....OFF
16. Engine Anti-Ice.....AS REQUIRED
17. Baggage Compartment Smoke Detedctor.....TEST
18. AC Generator / Inverters.....TEST
19. DC Generators.....TEST
20. Essential Bus Recovery System.....TEST
21. Climate Control.....SET
22. Starting Engines ChecklistCOMPLETE