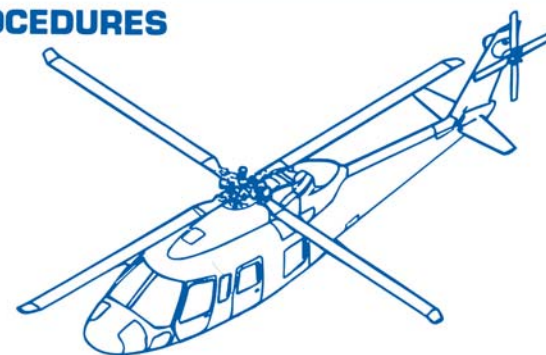


SIKORSKY™

S-76A MODEL

NORMAL PROCEDURES



PILOT CHECKLIST


EXTERIOR CHECK

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



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



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



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.....TO IDLE (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.....TO IDLE (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 Detector.....TEST
18. AC Generator / Inverters.....TEST
19. DC Generators.....TEST
20. Essential Bus Recovery System.....TEST
21. Climate Control.....SET
22. Starting Engines ChecklistCOMPLETE

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


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

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


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

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



PRE-SHUTDOWN

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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

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