Miltech Simulations Skyraider

Overview - Internal

Front Instrument Panel



Front Panel

1. **↔ Compass Control Switch**
2. **Accelerometer (G-Meter)**
3. **Radar Altimeter:** Displays radar altitude up to 20,000ft
4. **Gun Sight Elevation Control:** For display only, no function in-sim
5. **Magnetic Compass**
6. **↔ Marker Beacon Switch:** Used to deactivate engine failures (inversions, overRPM, negative G, collisions).
7. **Manifold Pressure Indicator (MAN)**
8. **Airspeed Indicator,** in Knots
9. **Attitude Indicator (ADI)**
10. **Radio Magnetic Indicator:** Functional compass. The thin needle will point towards the ADF Station. The wide "double needle" will point at VOR1, as tuned on the GPS Unit.
11. **LABS:** Search radar, will display nearby traffic. This instrument can also be swapped by a GTN750 GPS by clicking the button on #31.
12. **▣ Fuel Quantity Test Button**
13. **Fuel Quantity Indicator**

14. **Engine RPM Indicator**
15. **Barometric Altimeter** and Altimeter Setting Knob
16. **Turn Coordinator**
17. **Engine Elapsed Time Indicator**
18. **Vertical Speed Indicator**
19. **Engine Gauge Unit:** Displays engine Oil Temperature, Oil pressure and Fuel Pressure.
20. **Range/Course Indicator:** Used to intercept VORs and ILS Systems. The VOR Frequency is exclusively entered via the PMS50 GPS System.
21. **Wheels and Flaps Position Indicator**
22. **↔ Magneto Switch**
23. **↔ Water Injection Switch**
24. **Armament Panel:** More information on Deploying and Using Weapons
25. **CHT Indicator:** Cylinder Head Temperature indicator. More information on Engine and Failures System
26. **Generator Warning Light**
27. **OAT/Carb Air Temperature**
28. **Clock**
29. **Tail Hook Handle**
30. **▣ Toggle Gunsight Button**
31. **▣ Toggle GPS/Radar Scope Button**

Left Instrument Panel

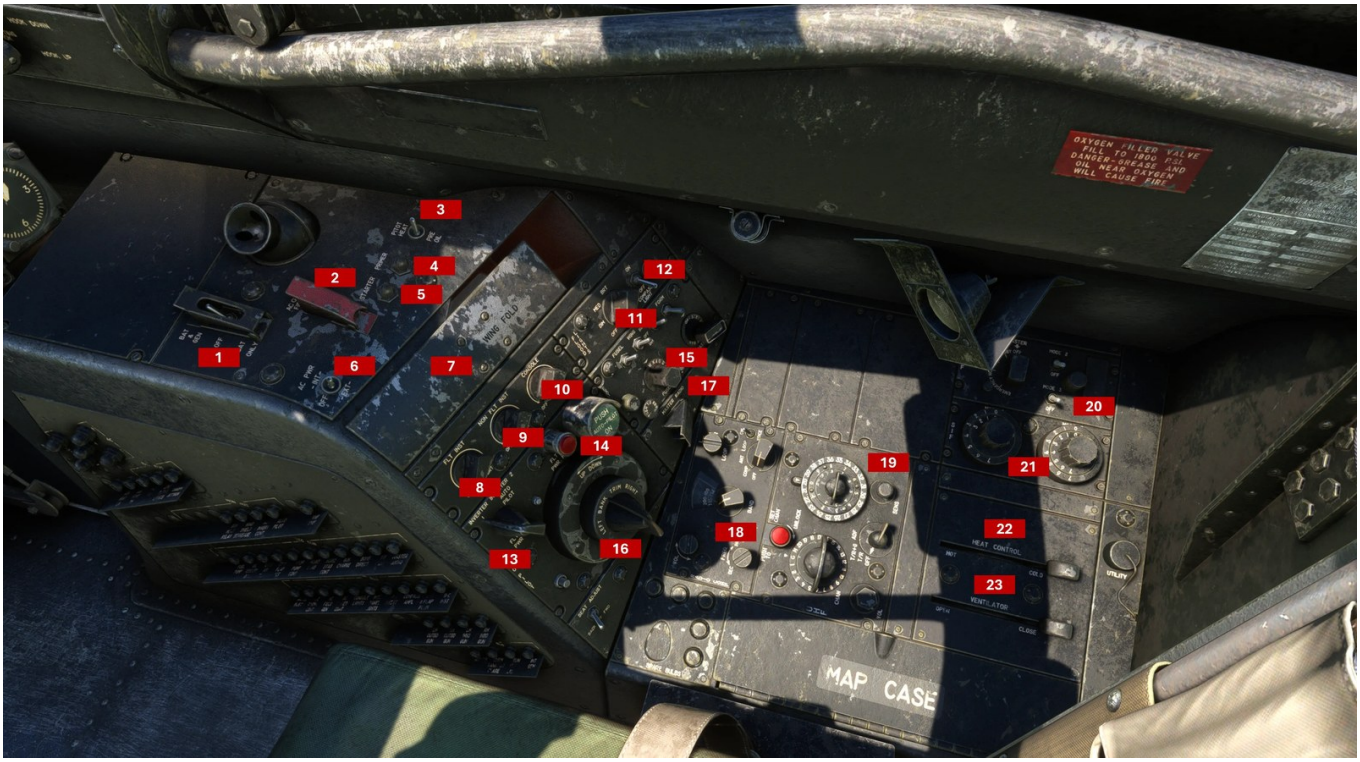


Left Side Panel

1. **Hydraulic Emergency Bypass:** No function in-sim.
2. **Autopilot Emergency Release:** Emergency disconnect for the Autopilot System.
3. **Tailwheel Lock Control:** Locks/Unlocks the tail wheel.
4. ↔ **Fuel Boost Switch:** Boost fuel pressure, used during the startup procedure.
5. ◇ **Fuel Tank Selector:** Select fuel tank source - OFF, MAIN, LEFT/RIGHT/CENTER Drop tanks. Note that if the selected tank is not installed or empty, the engines will shut down due to fuel starvation.
6. **Emergency Hydraulic Pump:** No function in-sim.
7. **Rudder Trim Control:** Use this knob to adjust Rudder Trim. Trim setting will display on the indicator.
8. **Aileron Boost Release:** No function in-sim.
9. **Elevator Trim Control:** Use this lever to adjust Elevator Trim. Trim setting will display on the indicator.
10. **Dive Brake Control:** Extend/retract the Dive Brake. Dive Brakes are only equipped on the A1-H variant of the Skyraider. Other variants do not have this lever.
11. **Aileron Trim Controls:** Use this knob to adjust Aileron Trim. Trim setting will display on the indicator.
12. ↔ **Cowl Flap Switch:** Open/close the Cowl Flap. Center position is "Automatic" - the aircraft will automatically manage Cowl Flaps based on temperatures.
13. **Mixture Control:** Adjusts the air-to-fuel mixture. Moving the lever forward selects *Rich* (higher fuel proportion), while pulling it aft progressively leans the mixture. Beyond the aft detent, the lever enters the Fuel Cutoff position.
14. **Propeller Control:** Increase/Decrease the Propeller RPM. More information Engine and Failures System
15. **Oil Cooler Door Control:** Open/AUTO/Closed. More information Engine and Failures System
16. **Throttle Control:** Increase/decrease throttle. More information Engine and Failures System
17. **Supercharger Control:** More information Engine and Failures System
18. **Inboard Bomb Release:** Release (jettison) all weapons or fuel tanks attached to the three inboard pylons, under the aircraft fuselage.
19. **Outboard Bomb Release:** Release (jettison) all weapons attached to the outboard pylons, on the folding part of the wings.
20. ↔ **Canopy Jettison Switch:** Not implemented.
21. **Canopy Control Lever:** Open/Close the aircraft Canopy.
22. **Wing Flap Control:** Extend and Retract Wing Flaps.
23. ↔ **Canopy Jettison Test Switch:** Not implemented.
24. **Canopy Jettison Test Light:** Not implemented.
25. ↔ **Carburetor Air Switch:** More information Engine and Failures System
26. **Oxygen Supply Control:** Close/Open Oxygen Supply.
27. **Oxygen Saturation:** Control the Oxygen Saturation.
28. **Oxygen Quantity Indicator**
29. **Gear Horn Silence:** Not modeled.

30. **Landing Gear Lever:** Release and Fold the Landing Gear. Requires hydraulic pressure to operate.

Right Instrument Panel



Right Side Panel

1. ↔ **Battery/Gen Switch:** BAT ONLY/OFF/BATTERY AND GENERATOR. Power up the aircraft. When engine is running, it must be set to Battery and Generator.
2. **AC Generator Field:** No simulator function.
3. ↔ **Pitot Heat Switch:** Turns on/off Pitot Heat.
4. ↔ **Engine Primer Switch:** More information Engine and Failures System
5. ↔ **Engine Starter Switch:** Engine Starter Switch. More information Engine and Failures System
6. ◇ **AC Power Selector Switch:** Selects Interior/OFF/Exterior (GPU) AC Power source. When set to Exterior and on the ground, the Ground Power Unit will display externally on the ground, and will be connected to the aircraft.
7. **Wing Fold Control:** Pulling this lever will fold the wings. Note that hydraulic pressure is required to fold/unfold the wings (eg. engines must be running).
8. **Flight Instrument Lighting:** Increase/decrease brightness of flight instruments (gauges) lights.
9. **Non-Flt Instrument Lighting:** Increase/decrease brightness of non-flight instrument lights.
10. **Console Lighting:** Increase/decrease brightness of console lights (backpanel lighting).
11. **Flood Light Brightness:** Increase/decrease the brightness of red flood lights.
12. **Compass Light Brightness:** Increase/decrease the brightness of compass lights.
13. ↔ **Autopilot Inverter Switch:** Selects the power source to the Autopilot System. More information Autopilot System

14. **Autopilot Clutch:** Autopilot Master Switch**.** More information Autopilot System
15. **Exterior Light Controls:** Controls exterior lighting: Fuselage, Wings, Tail, Formation, and light modes.
16. **Autopilot Controller:** Controls the pitch and roll attitudes held by the autopilot system. More information Autopilot System
17. ↔ **Master Radio Switch:** Powers up the aircraft radios.
18. **Radio Compass Panel:** Automatic Direction Finder Panel (ADF). More information Communication and Navigation Systems
19. **VHF Radio Control Panel:** Very High Frequency Radio Panel. More information Communication and Navigation Systems
20. **IFF Panel:** Information Friend or Foe/Transponder panel. More information Communication and Navigation Systems
21. ◇ **IFF Transponder Code Selector:** More information Communication and Navigation Systems
22. **Ventilator Control Lever:** No simulator function.
23. **Heat Control Lever:** No simulator function.