Miltech Simulations Skyraider

Normal Procedures

Caution

Beware of Engine Failure Conditions

Familiarize yourself with the system. More information: Engine and Failures System

PRE-START

Hydraulic Bypass ..... IN\ Fuel Selector ..... MAIN\ Fuel Boost ..... ON\ Tailwheel ..... LOCKED\ Aileron Boost Release ..... WIRED\ External Stores Release Handles ..... IN\ Dive Brakes ..... RETRACT\ Oil Cooler ..... AUTO\ Cowl Flaps ..... OPEN\ Flaps ..... UP\ Carb Air ..... DIRECT\ Blower ..... LOW\ Throttle ..... 3/4 INCH FWD (900-1100 RPM)\ Prop ..... FULL INCREASE\ Mixture ..... IDLE CUTOFF\ Canopy ..... OPEN\ Oxygen .....100% - 1100 LBS MINIMUM, MASK CONNECTED\ Gear Handle ..... DOWN\ Magnetos ..... OFF\ Water Injection Switch ..... OFF\ Armament Panel ..... ALL SWITCHES OFF\ Altimeter ..... SET\ Circuit Breakers ..... IN\ Battery Switch ..... ON\ Pitot Heat ..... OFF\ AC Generator ..... ON\ AC Power Switch ..... OFF\ Wing Fold ..... MATCHING WINGS\ Interior Lights ..... OFF (DAY) / ON (NIGHT)

STARTING ENGINE

Manifold Pressure (MAN) ..... CHECK\ Exterior Lights ..... BRIGHT & STEADY\ Throttle ..... CHECK - 3/4 IN OPEN\ External Power (AC Power EXT) ..... CONNECTED EXT\ Fuel Boost ..... ON - 16 PSI MINIMUM\ Outside Area ..... CLEAR\ Starter ..... ENGAGE\ Prop Rotation ..... COUNT 16 BLADES\ Magneto Switches ..... ON - BOTH\ Primer ..... PUSH ON\ Mixture ..... ADVANCE TO RICH

AFTER START

Battery ..... BAT/GEN\ External Power ..... DISCONNECTED\ Fuel Boost Pump ..... OFF, then ON

TAXI

Mixture ..... RICH\ Master Radio Switch ..... ON\ IFF ..... STBY\ Flaps ..... CHECK FULL DOWN, then SET TAKEOFF\ Wings ..... SPREAD IF NEEDED\ Flight Controls ..... WASHOUT\ Exterior Lights ..... BRIGHT & FLASH

GROUND RUNUP

Throttle ..... IDLE STOP\ Magnetos ..... BOTH\ Brakes ..... ON\ Throttle ..... 1600 RPM\ Propeller ..... FULL DECREASE\ Propeller ..... FULL INCREASE\ Blower ..... HIGH, then LOW\ Boost Pump ..... ON\ Throttle ..... 1600-1800 RPM\ Fuel Selector ..... SWITCH TO EXTERNAL TANKS\ Boost Pump ..... OFF\ Fuel Selector ..... MAIN\ Primer ..... MOMENTARY PRIME\ Mixture .....SLOWLY TOWARD IDLE CUT-OFF, then FULL RICH

PRE-TAKEOFF

Fuel ..... MAIN TANK - CHECK QTY & PRESS\ Fuel Boost ..... ON\ Mixture ..... RICH\ Propeller ..... INCREASE\ Blower ..... LOW\ Carb Air ..... DIRECT\ Cowl Flaps ..... OPEN\ Wing Lock ..... LOCKED\ Canopy ..... CLOSED (Field) / OPEN (Carrier)\ Controls ..... CHECK\ AC Power Switch ..... INT

FIELD TAKEOFF CONFIGURATION

Rudder Trim ..... 5° NOSE RIGHT\ Horizontal Stabilizer ..... 0°\ Aileron Tab ..... 0°\ Flaps ..... 1/2\ Tail Wheel ..... LOCKED\ Canopy ..... CLOSED

DECK LAUNCH CONFIGURATION

Rudder Trim ..... 6° NOSE RIGHT\ Horizontal Stabilizer ..... 2° NOSE UP\ Aileron Tab ..... 6° RIGHT WING DOWN\ Flaps ..... FULL\ Tail Wheel ..... UNLOCKED\ Canopy ..... OPEN

CATAPULT LAUNCH CONFIGURATION

Rudder Trim ..... 6° NOSE RIGHT\ Horizontal Stabilizer ..... 2° NOSE UP\ Aileron Tab ..... 6° RIGHT WING DOWN\ Flaps ..... FULL\ Tail Wheel ..... UNLOCKED\ Canopy ..... OPEN

TAKEOFF

Brakes ..... HOLD\ Throttle ..... 60%\ Brakes ..... RELEASE\ Stick ..... FULL BACK\ Throttle ..... FULL POWER\ Airspeed ..... 15 KIAS - RELEASE STICK\ Airspeed ..... 90-95 KIAS - ROTATE\ Landing Gear ..... UP WHEN SAFE

CRUISE

Airspeed ..... 140-150 KIAS (Climb)\ Cowl Flaps ..... SET FOR CHT 160-200°F\ Boost Pump ..... OFF\ Climb Power ..... 45.5 MAP\ Cockpit Sweep & Instruments ..... COMPLETE\ Mixture ..... NORMAL - LEAN AS ALTITUDE INCREASES\ Cowl Flaps ..... AS REQUIRED

LANDING

Armament ..... SAFE\ Fuel ..... MAIN TANK\
Fuel Boost ..... ON\ Mixture ..... RICH\
Blower ..... LOW\ Carb Air ..... DIRECT

FIELD LANDING

Tailwheel ..... LOCKED\ Hook ..... UP or DOWN (as required)\ Dive Brake ..... CLOSED\ Wheels ..... DOWN\ Flaps ..... FULL DOWN ON BASE (≈130 KIAS)\ Engine ..... 20 MAP ON BASE\ Propeller ..... INCREASE\ Brakes ..... OFF\ Canopy ..... CLOSED (Field) / OPEN (Carrier)\ Final Speed ..... 90-95 KIAS\ Touchdown Speed ..... 80-85 KIAS

CARRIER TRAP

Tailwheel ..... LOCKED\ Hook ..... DOWN\
Dive Brake ..... CLOSED\ Wheels ..... DOWN\
Flaps ..... FULL DOWN\ Propeller ..... INCREASE\ Brakes ..... CHECKED\ Canopy ..... OPEN\ Approach Speed ..... 88-95 KIAS\ Altitude ..... 350 FEET

AFTER LANDING

ON FIELD

Flaps ..... UP\ AC Power Switch ..... OFF\ Fuel Boost Pump ..... OFF\ Non-Essential Electrical ..... OFF

ON CARRIER

Hook and Flaps..... UP\ Wings ..... FOLDED\ Tailwheel ..... UNLOCK\ Runway ..... VACATE ASAP

SHUTDOWN

Engine ..... IDLE\ Mixture ..... LEAN UNTIL ~50 RPM DROP, THEN SET\ Radio & NAV Gear ..... SECURED\ Mixture ..... IDLE CUTOFF\ Fuel Selector ..... OFF\ Magnetos ..... OFF\ Battery ..... OFF\ Lights ..... ALL OFF