

B-25 Checklist

Yellow Rose

BEFORE START

FLIGHT MANIFEST..... COMPLETED
FUEL CROSSFEED OFF
BOMB BAY..... CLIP REMOVED & CLOSED
BATTERIES CKD & ON
FUEL QUANTITY STICKS & GAUGES CKD
FLIGHT CONTROLS..... UNLOCKED
HYD SYS SELECTOR VALVE..... NORMAL
EMERGENCY BRAKE LEVER DOWN
GEAR DOWN, CLIPPED, 3 GRN, SELSYNS CKD
WING FLAPS UP & NEUTRAL
COWL FLAPS OPEN & NEUTRAL
SUPERCHARGERS..... LOW & LATCHED
CARBURETOR AIR COLD
THROTTLES, PROPS, MIXTURES SET
AUX FUEL TRANSFERS OFF
MAGS..... MASTER ON
CIRCUIT BREAKERS IN
PRESS TO TEST LIGHTS CHECKED
FIRE DETECTION..... CHECKED
GENERATOR SWITCHES..... ON
PITOT HEAT OFF
FUEL SHUTOFFS..... IN
PARKING BRAKE SET, CHECK PSI
AVIONICS MASTER OFF
ALTIMETER SET
MANIFOLD PRESSURE NOTE INCHES
STATIC SOURCE NORMAL
PILOT ESCAPE HATCH SECURE
ENTRANCE HATCHES..... AS REQUIRED

START

BATTERIES ON
ROTATING BEACON..... ON
FIRE GUARD POSTED
BOOST PUMP NORM THEN EMER
STARTERS ENGAGE
MAGS..... ON AFTER 6 BLADES
PRIME AS REQUIRED
MIXTURE ADVANCE AFTER START
OIL PRESSURE CHECK
BOOST PUMP OFF

BEFORE TAXI

EXTERNAL POWERDISCONNECT
IDLE GROUNDING CHECK
RADIOS & GPS.....SET
FLAPS 1/4
TRANSPONDERALT
HYDRAULICS AND SUCTIONS CHECKED
ENTRY HATCHESSECURE
WAVE OFF..... RECEIVED

TAXI

BRAKES NORMAL AND CHECKED
FLIGHT INSTRUMENTS.....CHECKED AND SET
BOMB BAY DOORCLOSED

BEFORE TAKEOFF

FLIGHT CONTROLSFREE AND CORRECT
AIR FILTERS..... NORMAL
AUX FUEL TRANSFERS OFF
THROTTLE FRICTION.....SET
WING FLAPS 1/4
TRIM TABS 1-2-3 SET
ENGINE INSTRUMENT CHECKED
MIXTURESRICH
THROTTLES1700 RPM
PROPS FULL DECREASE - STABLE (X 2)
FEATHERING BUTTONSPUSH
200 -250 DROP / LOAD METER CHK
PROPS.....FULL DECREASE (1200 RPM)
THROTTLES SET MP TO FIELD MP
MAGNETOS CHECK (90 MAX)
CARB HEAT CHECK
THROTTLESIDLE
PROPSHIGH RPM
MIXTURE/PROP LOCK HANDLESET
SUPERCHARGERS..... LOW AND LATCHED
CARBURETOR AIRCOLD
WINDOWS AND HATCHES..... CLOSED
BOMB BAY DOORS..... CLOSED
PASSENGERS.....SEATED / SEAT BELTS
BOOST PUMPS NORMAL then EMERGENCY
TAKEOFF BRIEFINGCOMPLETE

TYPE TAKEOFF & SPEEDS

ENGINE FAILURE BEFORE ROTATION

ENGINE FAILURE AFTER ROTATION

SINGLE ENGINE APPROACH

PROPELLER OVERSPEED

TAKEOFF & CLIMB

TAKEOFF POWER 42" / 2600 RPM
POSITIVE RATE GEAR UP
@ 145 KNOTS 34 " / 2400 RPM
@ 145 FLAPS UP AND NEUTRAL
CLIMB POWER 32" / 2200 RPM
BOOST PUMPS OFF
CARB AIR AS REQUIRED
ENGINE INSTRUMENTS CHECK

CRUISE

CRUISE POWER SET
29" / 1900 RPM / 140 GPH / 210 MPH
28 " / 1800 RPM / 130 GPH / 200 MPH
27 " / 1700 RPM / 120 GPH / 185 MPH
COWL FLAPS CLOSED
MIXTURE AUTO-LEAN

APPROACH

ALTIMETER SET
FUEL QUANTITY NOTE GALLONS
FUEL CROSS FEED OFF
AUX FUEL TRANSFER PUMPS OFF
SUPERCHARGER LEVERS LOW & LATCHED
CARB AIR AS REQUIRED
LANDING LIGHTS ON
PASSENGERS SEATED / SEAT BELTS
APPROACH BRIEF

BEFORE LANDING

BOOST PUMPS EMERGENCY
MIXTURES RICH
BELOW 170 MPH:
GEAR DOWN, CLIPPED, 3 GRN, SELSYNS
FLAPS AS REQUIRED
BELOW 170 MPH: 1/4
BELOW 150 MPH: 1/2 OR MORE
PROPELLERS FULL FORWARD
HYDRAULICS CHECK

AFTER LANDING

BOOST PUMPS OFF
LANDING LIGHTS OFF
FLAPS UP AND NEUTRAL
COWL FLAPS OPEN & NEUTRAL

SECURING

ENGINE SCAVENGE..... 1500 RPM / 30 SECONDS
TRANSPONDER STBY
AVIONICS MASTER OFF
NAV LIGHTS & BEACON..... OFF
BOMB BAY DOORS..... OPEN
MIXTURES CUT OFF
TRIMS NEUTRAL
CHOCKS IN
PARKING BRAKE OFF / BLEED
BATTERIES OFF
PITOT HEAT OFF
MAGS..... OFF
FLIGHT CONTROLS..... LOCKED
BOMB BAY SAFETY CLIP IN
LOG BOOK COMPLETED
FLIGHT PLAN CLOSED

ENGINE FAILURE AFTER TAKEOFF

AIRSPEED 145 MINIMUM
MIXTURES RICH
PROPS NEXT HIGHER POWER SETTING
THROTTLES NEXT HIGHER POWER SETTING
GEAR UP
FLAPS UP
FAILED ENGINE IDENTIFY
FAILED THROTTLE IDLE
FAILED PROP DECREASE
FAILED MIXTURE IDLE CUTOFF
FAILED ENGINE FEATHER BUTTON DEPRESS

CHECKLIST FOR INOPERATIVE ENGINE

FUEL SHUTOFF PULL
COWL FLAPS OPEN
MAGNETOS OFF
SUCTION & HYDRAULIC PRESSURES CHECK
ELECTRICAL EQUIPMENT REDUCE
FLAP / COWL FLAP LEVERS NEUTRAL

RUNAWAY PROPELLER

THROTTLE (AFFECTED ENGINE) RETARD
PROP LEVER (AFFECTED ENGINE) DECREASE

SINGLE ENGINE APPROACH

ALTIMETER SET
FUEL QUANTITY GALLONS
FUEL CROSS FEED OFF
AUX FUEL TRANSFER PUMPS OFF
SUPERCHARGER LEVERS LOW & LATCHED
CARB AIR AS REQUIRED
LANDING LIGHTS ON
PASSENGERS SEATED / SEAT BELTS
APPROACH BRIEF

SINGLE ENGINE LANDING

FUEL BOOST PUMP EMERGENCY
PROPS 2400 RPM
ON GLIDESLOPE
GEAR DOWN, CLIPPED, 3 GRN, SELSYNS CKD
FLAPS $\frac{1}{4}$
HYDRAULICS CHECK
WHEN LADING ASSURED FLAPS DOWN

ENGINE FIRE

AIRSPEED**MAINTAIN 145 MPH MIN**
MIXTURE (AFFECTED ENGINE)**IDLE CUTOFF**
FEATHERING BUTTON (AFFECTED ENGINE)**DEPRESS**
FUEL SHUTOFF (AFFECTED ENGINE)PULL
AFTER PROP STOPS ROTATING
FIRE EXTINGUISHER (AFFECTED ENGINE) ON
COWL FLAP (OPERATING ENGINE)..... OPEN
COWL FLAP (AFFECTED ENGINE)..... ¼ OPEN

OPERATING ENGINE

MIXTURERICH
PROP NEXT HIGHEST POWER SETTING
THROTTLE NEXT HIGHEST POWER SETTING
GEAR UP
FLAPS UP
SUCTION & HYDRAULICS CHECK
ELECTRICAL POWER..... REDUCE IF NEEDED
FLAP & COWL FLAP LEVERSNEUTRAL

FUEL PRESSURE DROP / FUEL LEAK

AIRSPEED MAINTAIN 145 MPH MIN
MIXTURE (AFFECTED ENGINE) IDLE CUTOFF
FEATHERING BUTTON (AFFECTED ENGINE)DEPRESS
FUEL SHUTOFF (AFFECTED ENGINE)PULL
ACCOMPLISH ENGINE FIRE CHECKLIST
DON'T DISCHARGE FIRE BOTTLE UNLESS FIRE CONFIRMED

ENGINE RESTART IN FLIGHT

FUEL SHUTOFF HANDLEIN
FUEL BOOST PUMP EMERGENCY
THROTTLEIDLE
PROPELLER FULL DECREASE
MIXTURE IDLE CUTOFF
MAGSBOTH
PROP FEATHERING BUTTONDEPRESS AND HOLD
RELEASE AT 800 RPM
OIL PRESSURE CHECK
FUEL PRESSURE..... CHECK
RPMSTABLE
MIXTURE ADVANCE
PROPELLER..... ADVANCE SLOWLY TO 1500 RPM
THROTTLE 15"
COWL FLAPSAS REQUIRED

CREW BRIEFING

PURPOSE OF THE FLIGHT
ROUTE OF FLIGHT
KNOWN HAZARDS
AIRSPACE
MINIMUM SAFE ALTITUDE
CREW DUTIES
 PILOT FLYING
 PILOT NOT FLYING
 FLIGHT ENGINEER
INTERVENTION SITUATIONS
 ALTITUDE: 100 FEET
 AIRSPEED: 10 KNOTS
 HEADING: 10 DEGREES
 OTHER: ANY NON-ANTICIPATED
TRAFFIC ALERTS

SILENCE IS NOT AN OPTION

V Speeds

ROTATE75-80
STALL, FULL FLAPS..... 83 @ 23,000#
STALL, NO FLAP..... 104 @ 23,000#
SAFE SINGLE ENGINE.....145
MANEUVERING184
NEVER EXCEED.....320
MAX LANDING GEAR OPS170
FLAP EXTENSION 170 (0 – ¼)
FLAP EXTENSION150 (1/2 – FULL)

PATTERN SPEEDS

DOWNWIND160
BASE150
FINAL.....110- 120
CROSSING THRESHOLD.....105