

MSFS

BEECHCRAFT T-34B MENTOR

SN: _____

CARENADO · NORMAL PROCEDURES / FLIGHT CHECKLIST

COCKPIT PREP

- | | |
|---|----------------|
| ☐ PARKING BRAKE | SET |
| ☐ MASTER SWITCH (BAT/ALT) | ON |
| ☐ AVIONICS MASTER | OFF |
| ☐ CIRCUIT BREAKERS | CHECKED IN |
| ☐ FUEL SELECTOR | BOTH / MAIN |
| ☐ FUEL QUANTITY (L / R) | CHECK / SET |
| ☐ SEAT BELTS / HARNESS (FRONT & REAR) | SECURE |
| ☐ CANOPY | CLOSED, LOCKED |
| ☐ FLIGHT CONTROLS | FREE & CORRECT |
| ☐ ELEVATOR TRIM | SET FOR T/O |
| ☐ FLAPS | UP |
| ☐ GEAR LEVER | DOWN |
| ☐ MIXTURE | IDLE CUTOFF |

AFTER START / BEFORE TAXI

- | | |
|---|------------------|
| ☐ AVIONICS MASTER | ON |
| ☐ GNS / GTN (TABLET SELECT) | INIT, FLT PLAN |
| ☐ TRANSPONDER (KT-76) | STBY, CODE SET |
| ☐ KAP 140 AUTOPILOT | TEST |
| ☐ HSI (KI-525A) | SET, CROSS-CHECK |
| ☐ FLAPS | CYCLE CHECK |
| ☐ OIL TEMP | RISE, MONITOR |

STARTING ENGINE (FUEL INJECTED)

- | | |
|---|--------------------------|
| ☐ THROTTLE | OPEN 1/2" |
| ☐ MIXTURE | IDLE CUTOFF |
| ☐ AUX FUEL PUMP | ON, PRIME 2-3 SEC |
| ☐ PROP AREA | CLEAR, CALL "CLEAR PROP" |
| ☐ IGNITION / START SW | START |
| ☐ MIXTURE | ADVANCE AS ENGINE FIRES |
| ☐ OIL PRESSURE | CHECK RISING <30S |
| ☐ RPM (IDLE) | 700-900 |
| ☐ AUX FUEL PUMP | OFF, CHECK PRESS HOLDS |
| ☐ ALTERNATOR | CHECK POSITIVE |
| ☐ ENGINE IDLE | SMOOTH |

TAXI

- | | |
|--|---------------------------|
| ☐ PARKING BRAKE | RELEASE |
| ☐ BRAKES | CHECK |
| ☐ FLIGHT INSTRUMENTS | CHECK / SET |
| ☐ FLIGHT CONTROLS | CHECK FREE |
| ☐ GEAR | DOWN, CONFIRM 3 GREEN |
| ☐ EMERGENCY GEAR EXTENSION | KNOW LOCATION / PROCEDURE |
| ☐ TAXI SPEED | AS REQ |

TAKEOFF & CLIMB

BEFORE TAKEOFF (RUN-UP 1700 RPM)

- | | |
|--|---------------------|
| ☐ FLIGHT CONTROLS | FREE & CORRECT |
| ☐ ELEVATOR TRIM | SET FOR T/O |
| ☐ FUEL SELECTOR | BOTH / MAIN |
| ☐ MIXTURE | FULL RICH |
| ☐ MAGNETOS (L / R) | DROP ≤ 150 RPM |
| ☐ MAG DIFFERENTIAL | ≤ 50 RPM |
| ☐ ALTERNATE AIR | CHECK, NORMAL |
| ☐ ENGINE INSTRUMENTS | CHECK GREEN |
| ☐ CANOPY / HARNESS | CONFIRM SECURE |
| ☐ FLAPS | SET FOR T/O |
| ☐ TRANSPONDER | ALT |
| ☐ TAKEOFF BRIEFING | COMPLETE |

CLIMB

- | | |
|--|---|
| ☐ CLIMB POWER | FULL THROTTLE, 2500 RPM |
| ☐ CLIMB SPEED | 105-110 KIAS |
| ☐ MIXTURE | FULL RICH <5,000 FT, LEAN PER POH |
| ☐ CHT / OIL TEMP | MONITOR, CHT $\leq 460^{\circ}\text{F}$ |
| ☐ FUEL SELECTOR | MONITOR BALANCE |

TAKEOFF

- | | |
|--|------------------|
| ☐ THROTTLE | FULL FORWARD |
| ☐ ENGINE INSTRUMENTS | CHECK GREEN |
| ☐ AIRSPEED ALIVE | CHECK |
| ☐ ROTATE | 70-80 KIAS |
| ☐ POSITIVE RATE | GEAR UP |
| ☐ CLIMB SPEED | 100-110 KIAS |
| ☐ FLAPS | UP BY 400 FT AGL |

CRUISE

- | | |
|---|-----------------------------|
| ☐ POWER | SET ~23" MP / 2300-2500 RPM |
| ☐ MIXTURE | LEAN PER EGT / POH |
| ☐ FUEL FLOW | MONITOR |
| ☐ CHT / OIL TEMP | GREEN |
| ☐ FUEL SELECTOR | MONITOR BALANCE |
| ☐ AUTOPILOT (KAP 140) | AS REQ |

DESCENT, APPROACH & LANDING

DESCENT

- | | |
|---|----------------------|
| ☐ POWER | REDUCE GRADUALLY |
| ☐ DESCENT SPEED | 140-160 KIAS |
| ☐ MIXTURE | ENRICH AS DESCENDING |
| ☐ ALTIMETER | SET LOCAL |
| ☐ LANDING DATA | REVIEW Vref |

APPROACH

- | | |
|---|-----------------------|
| ☐ NAV / GPS | SET APPROACH |
| ☐ MIXTURE | FULL RICH |
| ☐ FUEL SELECTOR | BOTH / MAIN |
| ☐ GEAR | DOWN, CONFIRM 3 GREEN |
| ☐ FLAPS | AS REQ, BELOW Vfe |

