

PRESTART

1. SEATBELTS: **SECURED**
2. FUEL: **ON; RIGHT/LEFT TANK**
3. RADIO MASTER: **OFF**
4. MASTER: **ON**
5. MIXTURE: **FULL RICH**
6. BOOST PUMP: **ON**
7. OIL COOLER GATE: **CLOSED (IN)**
8. CARB HEAT: **OFF (IN)**
9. PRIME: **3 SECONDS**
10. BRAKES: **HOLDING**
11. CLEAR PROP: **START**
12. THROTTLE: **PUMP, THEN 1/4**
13. INSTRUMENTS: **TACH: 900**
OIL PRESSURE; FUEL PRESSURE; VOLTS
14. SWITCHES
 - RADIO MASTER: **ON**
 - HORIZON/ADS-B: **ON**
 - T&B: **ON**
 - COM: **ON; FREQUENCIES: SET**
 - GPS: **ON**
13. ALTIMETERS: **SET**
14. VERIFY FUEL LEVELS
15. BRAKES: **HOLDING**
16. MINIMUM OIL TEMP: **100**

RUNUP

1. CONTROLS: **FREE**
2. FLAPS: **SET 20 DEGREES**
3. INSTRUMENTS:
FUEL PRESSURE; OIL TEMP; OIL PRESSURE;
VOLTS
4. GAS: **RIGHT/LEFT TANK**
5. TRIM: **SET: SLIGHT NOSE DOWN**
6. BRAKES: **HOLDING**
7. RUNUP: **1600 RPM**
 - MAGS: **RIGHT/BOTH/LEFT/BOTH**
 - CARB HEAT: **ON/OFF**
 - OIL COOLER GATE: **CLOSED (IN)**
 - MIXTURE: **FOR ALTITUDE (MONITOR EGT)**
8. STROBES: **ON; LANDING LIGHTS: SWITCHED**
9. CHECK DENSITY ALTITUDE

PRE-TAKEOFF

1. CANOPY: **DOWN AND LOCKED**
2. SEAT BELTS: **LOCKED**
3. BOOST PUMP: **ON**
4. FLAPS SET: **20 DEGREES**
5. GAS: **RIGHT TANK**
6. RECOGNITION LIGHTS, WIGWAG: **ON**
7. NAV LIGHTS/STROBES: **ON**
8. **OIL PRESSURE, TEMP; FUEL PRESSURE; VOLTS**
9. ANR: **ON**
10. TIMER: **RESET/ON**

CLIMB/CRUISE

1. **BEST RATE: 105-110; BEST ANGLE; 85-90**
2. FLAPS: **RETRACTED**
3. BOOST PUMP: **OFF**
4. TRAFFIC/ALTITUDE
5. CHT/EGT/OIL TEMP: **MONITOR**
6. MIXTURE: ADJUST FOR ALTITUDE AND TEMPS
7. FUEL FLOW MONITOR
8. RADIOS: **COM; TPX 1200; GPS: ON COURSE**
9. LIGHTS: **RECOGNITION: OFF/ON; NAV: OFF; STROBES: ON**

DESCENT/ARRIVAL

1. RADIOS: **FREQUENCIES SET**
2. SEAT BELTS: **SECURED**
3. RECOGNITION LIGHTS/WIGWAG: **ON**
4. GAS: **FULLEST TANK**
5. MIXTURE: **FULL RICH OR FOR ALTITUDE**
6. BOOST PUMP: **ON**
7. CARB HEAT: **ON (DOWNWIND)**
8. FLAPS: **SET 20 DEGREES**
9. TRIM: **SET FOR APPROACH**
10. DOWNWIND SPEED: **85 mph**
11. BASE SPEED: **85 mph**
12. FLAPS: **40 DEGREES**
13. FINAL SPEED: **75 mph**

TAXI

1. CARB HEAT: **OFF (IN)**
2. OIL GATE: **OPEN (OUT)**
3. BOOST PUMP: **OFF**
4. STROBES: **OFF**
5. FLAPS: **UP**
6. ANR: **OFF**

SHUTDOWN

1. RECOGNITION LIGHTS/WIGWAG: **OFF**
2. INSTRUMENTS: **OFF**
3. RADIOS: **OFF**
4. RADIO MASTER: **OFF**
5. BOOST PUMP: **OFF**
6. ANR: **OFF**
7. MASTER: **OFF**
8. MIXTURE: **LEAN/CUTOFF**
9. MAGS: **OFF; KEY REMOVED**
10. CARB HEAT: **CLOSED**
11. OIL COOLER GATE: **CLOSED (IN)**
12. FLAPS: **DOWN**
13. TRIM: **SET FOR DEPARTURE**
14. ELT: **OFF/ARMED**