

BEFORE STARTING ENGINE*

1. Preflight Inspection..... Completed
2. Propeller Lock..... Removed and Stowed
3. Seat Belts, Shoulder Harnesses..... Fastened
4. Passenger Briefing..... Completed
5. Fuel Valve / Selector..... On / Both
6. Circuit Breakers..... In
7. Wing Flap Selector Switch..... Up
8. Avionics / Avionics Master..... Off

*See Page 15 for Cold Weather Starting Procedures

STARTING ENGINE

1. Mixture Control..... Full Rich
2. Throttle..... Cracked Open
3. Carburetor Heat..... Off (Push In)
4. Rotating Beacon..... On
5. Master Switch..... On
6. Prime..... As Required
7. Primer..... In and Locked
8. Propeller Area..... Visual Check — «Clear»
9. Brakes..... Hold / Set
10. Ignition Switch..... Start
11. Oil Pressure..... Check
12. Engine Warm-up..... 1000-1200 RPM
13. Mixture..... Lean

BEFORE TAXIING

1. Wing Flaps..... Up — Check Visually
2. Avionics Master / Radios..... On
3. Transponder..... Standby (Code 1200)
4. Altimeter..... Set
5. Heading Indicator..... Set
6. Attitude Indicator..... Set
7. Lights (Nav & Ldg Lts. Night Only)..... As Required

Hanscom ATIS..... 124.6
Hanscom Ground..... 121.7

ENGINE RUNUP

1. Nose Wheel..... Straight
2. Brakes..... Set
3. Mixture..... Full Rich
4. Throttle..... 1700 RPM
5. Magnetos..... Check
Max Allowable Drop..... 125 RPM
Max Differential..... 50 RPM
6. Vacuum..... Check
7. Engine Instruments..... Check
8. Ammeter..... Check
9. Carburetor Heat..... On (Pull Out)
10. Throttle..... Idle Check
11. Carburetor Heat..... Off (Push In)
12. Throttle..... 1000 RPM

BEFORE TAKEOFF

1. Cabin Doors And Windows..... Secured
2. Fuel Quantity Gauges..... Check
3. Fuel Selector Valve..... On / Both
4. Mixture..... Rich
5. Flight Controls..... Check Full Range (Box)
6. Elevator Trim..... Set For Takeoff
7. Wing Flaps..... Up / As Required
8. Flight Instruments..... Check & Set
9. Radios and Avionics..... Set
10. Transponder..... Alt
11. Heading Indicator..... Set
12. Take Off Briefing..... Complete
(Rotate Speed/Attitude, Criteria for Reject, Initial Climb Speed/
Attitude, Min Altitude for Emergency Return)

ENROUTE CLIMB

1. Airspeed..... 70-80 (85/172)
2. Throttle..... Full Open
3. Mixture..... Rich (Lean > 3000 ft)

Hanscom Ground..... 121.7
Hanscom Tower..... 118.5
EFA Company..... 123.5