

DA40

fuel injected
(AUX pump)
const. speed prop

1. Squawks & Hoobs.....CHECK
2. **AROW** docs (AC/pilot).....CHECK
3. Control lock.....REMOVE
4. Avionics Master.....OFF
5. Avionics&Essential Bus.....OFF
6. Ignition Switch.....OFF/key
7. Master/**BATTERY Side**.....ON
8. Annunciator Lights.....TEST
9. Flaps.....set T/O **10**
10. Fuel gauges.....CHECK
11. Master Switch...**all**.....OFF
12. Fuel Shut-Off valve.....ON
13. **Exterior pre-flight**.....CHECKLIST

PRE-START

1. Rudder Pedals.....ADJUSTED
2. Seat belts, Harness.....ON
3. Brakes.....SET
4. Fuel selector.....LOWEST
6. Circuit breakers.....ALL IN
7. Avionics Master & Access.....OFF

STARTING ENGINE

1. Master Switch-Battery side.....ON
2. Avionics fan.....CHECK
3. **Prop**.....HIGH RPM
4. Throttle.....FULL
5. Oil Temperature.....CHECK **130**
6. Mixture.....Engine **COLD**: RICH
Engine **HOT**: LEAN
7. AUX Pump.....**COLD**: 3sec/OFF
HOT: CHECK/OFF
8. Throttle.....1/4"
9. Mixture.....LEAN
10. Area.....(shout) **CLEAR**
11. Ignition switch (**key**).....START
Mix **RICH** as eng. catches
12. Throttle.....**1000**
13. Oil pressure.....CHECK
14. ALternator.....ON
15. AMmeter/Suction.....CHECK
16. Essential Bus.....CHECK
17. Fuel Totalizer.....SET

PRE-TAXI

1. Strobe.....ON
2. Flaps.....FULL DOWN/UP
3. Mixture.....LEAN SLIGHTLY
4. Avionics Master.....ON
5. GPS Database & Ops.....CHECK
6. **ATIS**, **ALT**imeter.....RECEIVED
7. **CLEARANCE**.....RECEIVED
7. Transponder (**XPDR**)..AS REQUIRED
8. **GRD CONTROL**.....CONTACT

TAXI

1. Breaks & Steering.....CHECK
2. Mag Compass.....CHECK
3. Attitude Indicator.....CHECK
4. Heading Indicator.....CHECK
5. Turn Coordinator.....CHECK

ENGINE RUNUP & PRE-DEPARTURE

1. Nosewheel straight.....PARK
2. Area.....CLEAR
3. Brakes.....HOLD
4. Switch Tanks.....CHANGE
5. Mixture.....RICH
6. **Throttle**.....**2000**
7. Engine Gauges.....CHECK
8. **Prop**..(MP, RPM, Oil Press.).....CYCLE
9. Mixture.....CHECK&RICH
10. Alternative Air.....CHECK
11. MAGs R-B/L-B | **175 drop 50 diff**.....CHECK
12. AMmeter.....CHECK
13. Throttle **Idle**.....CHECK
14. Throttle.....**1200**
15. Flight Instruments.....CHECK&SET
16. Fuel Selector.....BEST
17. Fuel Pump.....ON
18. Flaps.....SET&CHECK
19. Throttle Friction.....SET
20. MAGs/MASTER.....CHECK
21. Doors + Windows.....CLOSED
22. Elevator Trim.....SET
23. **Controls**...(box)..**FREE&CORRECT**
24. Radios.....SET
25. AutoPilot.....CHECK
26. Fuel Timer.....START
27. **XPDR**.....CODE&SET/ALT

DEPARTURE, CLIMB, T/O Check

1. Runway Items
.....**LIGHTS...CAMERA...ACTION**
2. Throttle.....**FULL**
3. RPM, Oil Pressure.....**CHECK**
4. Rotate.....**Vr.....59**
5. Climb.....**Vx.....66**
6. Flaps retract @.....**500 AGL**

@ 1000 ft. AGL - Post T/O Checklist

1. Fuel Pump.....**OFF**
2. **MP**.....(**Throttle**).....**25"**
3. **RPM**...(**PROP**).....**2400**
4. Climb.....**Vy.....67**
5. Mixture.....**13gph/EGT**
6. Ldg. Lights.....**OFF**

CRUISE

Power..(Throttle, **MP ALT**).....reduce
Prop.....2400.....**RPM**
 Mixture.....**LEAN / EGT**
switch tanks every 30min.....

LANDING ATIS 75

1. **G**as, Fuel, AUX pump.....**ON**
best tank
2. **U**ndercarriage.....**DOWN**
3. **M**ixture.....**SET**
4. **P**rop.....**SET**
5. **B**rakes.....**CHECK**
6. **L**ights.....**ON**
7. **E**ngine Gauges.....**CHECK**
8. **S**eat belts.....**SECURE**

LANDING 75

Flaps.....**LDG**
 IAS.....**75**
 IAS short field.....**70**

POST-LANDING*clr-of-rwy*

1. Lights.....**OFF** as necessary
2. Flaps.....**UP**
4. AUX Pump.....**OFF**
5. Radios (GND).....**SET**

SHUT DOWN

1. Throttle.....**1000**
2. Radio, Intercom, Electric.....**OFF**
3. MAGs.....**OFF briefly - ON**
4. Mixture.....**IDLE CUT OFF**
5. Mags.....**OFF/key out**
5. **Beacon**.....**OFF**
6. Hobbs/TACH.....**RECORD**
7. **MASTER**.....(both).....**OFF**

GO AROUND*clean a/c*

1. Trim.....**NEUTRAL**
2. Throttle.....**FULL**
3. **Vx**.....**66**
.....**positive rate of climb**
4. Flaps up.....**1 notch@time**

SECURING AIRCRAFT

1. Tiedown.....**THREE POINTS**
2. Chocks.....**ONE WHEEL MINIMUM**
3. Control Lock.....**INSTALLED**
4. Seat Belts.....**SECURE**
5. Hobbs & Tach.....**RECORDED**
6. Headset&Checklists.....**REMOVED**

Sunrise
123.5

Atlantic
122.85 / 131.57