

Quick Reference Handbook

PA-32RT-300, Lance II

Rocky Breslow
Delaware Valley Aviation

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1 Normal Procedures

Before Start

Walk Around Completed
Seat Belts Fastened
PIC Established
Passengers Briefed

Before Taxi

Transponder Set
COM/NAV Set
Initial Altitude Set
Initial Heading Set

Engine Start

Parking Brake Set
Fuel Desired Tank
Alternate Air Off
Master Switch On
3-in-the-green Check
Fuel Pump On
Throttle $\frac{1}{4}$ ''
Mixture Prime
CLEAR/Starter Engage
Throttle Idle
Mixture Lean for Taxi
Oil Pressure Check
Load Meter Check
Fuel Pump Off
Fuel Pressure Check

Taxi

Exterior Lights Set
Brakes Check
Heading Indicator $\pm 5^{\circ}$
Attitude Indicator Check
Turn Coordinator Check

After Start

Avionics Master On
Circuit Breakers Check
Garmin Database Check
Garmin Self-Test Check

Engine Run-Up

Mixture Full Rich
Prop Full Forward
Throttle 2000 RPM
Mags Check L & R
(max drop 175; max Δ 50)
Alternate Air Check
Prop Cycle
(\downarrow rpm \uparrow mp \downarrow oil press.)
Vacuum 4.9-5.1''Hg
Load Meter Check
Fuel Pressure Check
Oil Pressure/Temp Check
Alternate Static Check
Annunciator Panel Check
Throttle Idle
Mixture Lean for Taxi

Before Take Off

Flight Controls..... Check
 Flight Instruments..... Check
 Alternate Air Off
 Flaps..... Set
 Trim..... Set

Take Off Briefing

Take Off Distance..... Briefed
 Take Off Minimums.... Briefed
 Departure Procedure.. Briefed
 Lost Comms..... Briefed

Entering Runway

Time Off..... Noted
 Doors/Windows..... Closed

Exterior Lights..... Set
 Fuel Pump..... On
 Mixture..... Full Rich
 Prop..... Full Forward

After Take Off

Landing Gear..... Up
 Prop..... -100 RPM
 Fuel Pump..... Off
 Mixture..... Constant EGT

Approach and Landing

Altimeter..... Set
 DA or MDA (MSL)..... Set

 Airspeed..... < 129 KIAS
 Landing Gear..... Down
 Throttle..... 17"
 Prop..... 2400 RPM
 Mixture..... Constant EGT
 Airspeed..... 100 KIAS

Go Around

Fuel Pump..... On
 Mixture..... Full Rich
 Prop..... Full Forward
 Throttle..... Full Power
 Landing Gear..... Up

V-Speeds

V_A 112-132 KIAS
 V_{LE} 129 KIAS
 V_{LO} 106 KIAS
 V_X 68 / 87 KIAS
 V_Y 87 / 92 KIAS
 V_{CC} 104 KIAS
 V_{REF} (Normal)..... 95 KIAS
 V_{REF} (Short Field)... 75 KIAS

2 Emergency Procedures

Electrical Fire

- 1. Master switch OFF
- 2. Avionics master OFF
- 3. Electrical switches OFF
- 4. **If no smoke:**
 - (a) Circuit breakers note tripped
 - (b) Circuit breakers OFF
 - (c) Master switch ON
 - (d) **If no smoke:**
 - i. Avionics master ON

Emergency Landing Gear Extension

- 1. Master switch check ON
- 2. Circuit breakers check
- 3. Radio lights off (in daytime)
- 4. **If landing gear does not check down and locked:**
 - (a) Airspeed below 87 KIAS
 - (b) Landing gear selector DOWN
 - (c) **If landing gear still does not check down and locked:**
 - (d) i. Emergency gear lever EMERGENCY DOWN
(while fishtailing airplane)