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**PIPER N7261Y CHECKLIST**

**BEFORE START**

PreFlight ..... COMPLETE  
 Seat Belts ..... ON  
 Passengers ..... BRIEFED  
 Radio Master ..... OFF  
 Alternate Air ..... OFF  
 Cowl Flaps ..... OPEN  
 All Electrical Switches ..... OFF  
 Fuel Selector ..... MAINS  
 Fuel ..... DRAIN & CHECK ALL  
 Gear Switch ..... DOWN  
 Circuit Breakers ..... CHECK

**ENGINE START**

Master Switch ..... ON  
 Magneto Switches ..... ON  
 Rotating Beacon ..... ON  
 Gear Light ..... CHECK ON  
 Propeller Area ..... CLEAR  
 Throttles ..... FULL FORWARD  
 Mixture ..... FULL OPEN  
 Pumps ..... ON—3.5 Sec – OFF  
 Mixtures ..... IDLE CUTOFF  
 Throttles ..... (MicroSwitch Click) 1/4 INCH OPEN  
**START** ..... ENGAGE LEFT ENG. – ADV.MIXTURE WHEN IT FIRES  
 Throttle ..... (1000-2000 RPM) ADJUST  
 Oil & Fuel Pressure ..... CHECK  
 Alternator ..... ON  
 Mixtures ..... LEAN FOR TAXI (#4)

REPEAT FOR 2<sup>nd</sup> ENGINE

**PRE-TAXI CHECK**

Flaps ..... RETRACT  
 Radio Masters ..... ON  
 Autopilot ..... ON  
 Clearances – ATIS, Route Cln, Grnd Ctrl ..... RECEIVED  
 Radios, Nav, Transponder ..... SET  
 Instruments/Altimeter ..... CHECKED & SET  
 Interior Lights ..... AS DESIRED  
 Fuel ..... AUX  
 Autopilot ..... CHECK / OFF  
 Transponder ..... ALT  
 Brakes ..... CHECK

**PIPER TWIN COMANCHE CHECKLIST**

**RUNUP**

Brakes ..... SET  
 Fuel ..... MAINS  
 Oil Temperature ..... GREEN ARC  
 Mixture ..... RICH (Lean above 4000 msl)  
 Throttles ..... 1500 RPM  
 Props ..... EXERCISE 3 x When Cold  
 Throttles ..... 2000 RPM  
 Mags ..... Check Drop  
 [Norm 100 rpm / Max 175 / Max Diff 75]  
 Eng Gauges ..... CHK  
 Ammeters (L & R) ..... CHK Charging  
 Throttles ..... IDLE ..... ~1200 RPM  
 MIXTURES ..... LEAN  
 Flight Instruments / DG ..... CHECKED / SET  
 Autopilot ..... OFF  
 Trim Tab ..... SET FOR TAKEOFF  
 Pitot Heat ..... AS REQUIRED  
 Lights ..... ON (As Required)  
 Radios & Nav ..... SET  
 Takeoff Brief ..... COMPLETE

**PRE-TAKEOFF**

Controls ..... FREE & CLEAR  
 Heading Indicator ..... SET  
 Flaps ..... SET for T / O  
 Seatbelts / Harness ..... ON / SECURE  
 Propellers ..... FULL FWD

Takeoff Clearance ..... RECEIVED  
 Cabin Door / Window ..... CLOSED & LOCKED  
 Mixtures ..... SET  
 Fuel Pumps ..... ON

**TAKEOFF**

Rotate ..... VR@ 90 MPH  
 Accelerate ..... 112 MPH- Best Rate  
 Landing Gear ..... POS RATE – UP  
 Power Reduce ..... (1000' AGL) 25" / 2500 RPM  
 Boost Pumps ..... OFF (Chk F/F)  
 Enroute Climb (Best Cooling) ..... 120 / 130mph  
 Autopilot ..... ON

**PIPER N7261Y CHECKLIST**

**CRUISE**

Power (for Training) ----- 20" MP / 2300 RPM  
Landing Light ----- OFF  
Cowl Flaps ----- AS NEEDED  
Mixture (*Above 4000*) ----- LEAN  
Alternate Air ----- OFF

**DESCENT**

Power .....15-17"MP / 2500 RPM  
Engine CHT ..... GREEN ARC  
Mixture ..... ENRICH with Descent

**BEFORE LANDING (Downwind)**

Power .....16-17"MP / 2500 RPM  
Airspeed ..... 120 MPH  
Seatbelt / Shoulder Harness .....ON  
Seatbacks ..... UP

**LCGUMPS**

Lights .....ON  
Cowl Flaps ..... AS DESIRED  
Gas ..... MAINS  
Undercarriage (*140 mph*) .....DOWN  
— Mirror & Indicator Lights- Checked —  
Mixture (*Below 4000'*) ..... RICH  
Propellers (*On Final*) .....FWD  
Switches-Fuel Pumps .....ON  
Flaps (*Below 120 mph*) ..... AS NEEDED

**PIPER TWIN COMANCHE REVIEW**

**GO AROUND**

Power ----- FULL  
Propellers ----- FULL FORWARD  
Pitch ----- POS. CLIMB (10°)  
Landing Gear ----- RETRACT  
Airspeed ----- 112 MPH min.  
Flaps ----- RETRACT  
POWER ----- CLIMB (above 1000')

**AFTER LANDING**

Flaps ----- RETRACT  
Cowl Flaps ----- UP  
Mixture ----- LEAN for Taxi  
Landing Lights ----- OFF  
Fuel Pumps ----- OFF

**ENGINE SHUTDOWN**

Brakes ----- APPLY and HOLD  
Radio Masters ----- OFF  
Lights ----- OFF  
Throttles ----- 1200 RPM  
Mixture ----- IDLE CUTOFF  
Magnetos ----- OFF  
Master Switch ----- OFF  
Alternators ----- OFF  
Fuel Switches ----- OFF In Hangar

**EMERGENCY CHECKLIST  
PIPER N7261Y**

**ELECTRICAL FAILURE**

**AMMETER INDICATES BATTERY DISCHARGE:**

ALTERNATOR C/Bs –CHECK

If Popped, .....RESET (cool for 2-5 mins)

If Breakers not Popped – Reduce Electrical Load to Min.

If ALT Output Cannot be Maintained on at least One Alternator at Reduced Load -- Defective Alternator CB ..... PULL

IF BOTH Alternators Fail – BATTERY Is ONLY Source of Power  
LAND AS SOON AS POSSIBLE \*

**BATTERY OVER CHARGE (After First Few Moments Of Flight)**

Ammeter – Indicated Excessive Charge

Alternator Circuit Breaker – (Defective ALT) ..... PULL

Electrical Load – Reduce to Minimum

LAND AS SOON AS POSSIBLE \*

**LANDING GEAR – FAIL TO EXTEND**

LANDING GEAR C/B..... CHECK

LANDING GEAR LIGHTS..... CHECK

AIRSPEED ..... MAX – 100MPH

LANDING GEAR SWITCH..... CENTERED

MOTOR RELEASE ARM .....DISENGAGE and Push FULL FORWARD (Approx. 135°)

GEAR EXTENSION HANDLE .....UNSTOW – INSERT & LOCK  
Into SOCKET – ROTATE FULL FORWARD - If Left Socket Is  
Not In View, Insert in Right Socket And Rotate Until Left Socket  
is In View – Then Insert In Left Socket and ROTATE FULL FORWARD

LAND with NO CROSSWIND (If Able)

After Landing Make All Turns With Minimum Sideloads

\* DO NOT RE-ENGAGE GEAR OPERATING MOTOR IN FLIGHT \*

**EMERGENCY CHECKLIST  
PIPER TWIN COMANCHE**

**EMERGENCY DESCENT**

**SEAT BELT / HARNESSSES .....SECURED**

**THROTTLES..... RETARD**

**PROPELLER CONTROLS .....FULL FORWARD**

**LANDING GEAR (BELOW 140 MPH) ..... DOWN**

**AIRSPEED ..... MAXIMUM 140 MPH**

*In the Event a More Rapid Rate of Descent is Required  
Use Up To 45° Angle of Bank and Descend in Spiral*

**RECOVER AT 10,000' MSL OR 2000' AGL**

**DESCENT RATE .....REDUCE**

**LANDING GEAR..... RETRACT**

**MIXTURE..... ENRICH**

**THROTTLES..... INCREASE SLOWLY**

**PROPELLER CONTROLS ..... SET CRUISE**

**PROPELLER OVERSPEED**

**PROPELLER Control (Affected Engine)..... REDUCE**

**THROTTLE ..... RETARD**

**AIRSPEED ..... REDUCE**

**THROTTLE (As Required) ..... MAX - 2700 RPM**

## PIPER TWIN COMANCHE REVIEW

### GO AROUND

Power ----- FULL  
Propellers -----FULL FORWARD  
Pitch -----POS. CLIMB (10°)  
Landing Gear ----- RETRACT  
Airspeed ----- 112 MPH min.  
Flaps ----- RETRACT  
POWER ----- CLIMB (above 1000')

### SHORT FIELD TAKEOFF

Flaps - SET-BOTTOM WHITE ARC  
Brakes ----- HOLD  
Throttles ----- FULL FWD  
— *Check Engine Instruments* —  
Brakes -----RELEASE  
Rotate -----80-85 MPH  
Climb ----- 90 MPH  
Landing Gear (*POS CLIMB*) -----UP  
Flaps ----- (Blue -105) UP  
Climb Speed (*Clear of Obstacles*) -----  $V_y$  112 MPH  
Power (*1000' AGL*) ----- 25" MP / 2500 RPM  
Fuel Pumps (*Check Fuel Flows*) ----- OFF  
Climb Speed – Enroute ----- 130 MPH

### SHORT FIELD LANDING

Flaps ----- FULL  
Final Approach Speed ----- 90 MPH  
Power - Reduce Prior TO FLARE  
Flaps (*After Touchdown*) ----- RETRACT  
Control Wheel ----- FULL AFT  
Brakes ----- MAX ANTI-SKID