

### PreFlight Inspection

Parking Brake Set  
 Hobbs/Tach Check  
 Battery On  
 Fuel Quantity Check  
 Lights/Stall Warning Check  
 Electrical Equipment Off  
 Battery Off  
 Flaps Check/Up  
 Trim Check  
 Pitot/Static Drains Drain/Close  
 Acft Documents On Board

### Right Wing

Flap Hinges Check  
 Aileron Check Hinges  
 Wingtip Lights Check  
 Leading Edge Clean  
 Fuel Quantity Check  
 Fuel Vent Clear  
 Fuel Strainer Sample  
 Landing Gear/Tire Check  
 Air Inlet Clear

### Nose

Engine Condition Check  
 Oil Quantity Check  
 Propeller & Spinner Check  
 Alternator Belt Check  
 Air Inlets Clear  
 Landing Light Check  
 Nose Gear & Tire Check  
 Engine Condition L Check  
 Fuel Strainer Sample

### Left Wing

Same As Right Wing  
 (In Reverse)  
 Also: Check Pitot / Static Mast  
 And Stall Warning Horn

### Fuselage & Empenage

Antennas Check  
 Air Inlet Check  
 Stabilator & Trim Check  
 Rudder Check

### Before Start

Parking Brake Set  
 Seat Belts Fastened  
 All switches Off  
 Circuit Breakers checked in  
 Gear Switch Down  
 Fuel Selector Lowest Tank  
 Battery & Alternator On  
 Nav Lights On

### Engine Start

Auxiliary Fuel Pump Off  
 Mixture Full Rich  
 Propeller Full Forward  
 Throttle Full Forward  
 Primer 4 To 6 Seconds

Throttle Close, then 1-2cm  
 Prop Area "Clear"  
 Starter Engage  
 Throttle 1000 RPM  
 Engine Instruments Check  
 Annunciators Out  
 Mixture Leaned For Taxi

### After Start

Radio Master On  
 Radios Set  
 Transponder Standby  
 Electric Pitch Trim On  
 Circuit Breakers In

### Before Taxi

Landing Light On  
 Brakes and Steering Check  
 Flight Instruments Check

### Run Up

Parking Brake Set  
 Fuel Selector Opposite Tank  
 Oil Temperature Green  
 Mixture Full Rich  
 Throttle 1900 RPM  
 Vacuum 4.8" ~ 5.1" Hg  
 Magnetos Check (150 max,  
 Diff. max 50 rpm)  
 Prop Exercise 3x (Then Full)  
 Mixture EGT checked  
 Annunciators Test  
 Throttle Full Closed  
 RPM & Oil Pressure In Limits  
 Throttle 1000 RPM

### Before Departure

Flight Controls Check  
 Fuel Quantity Endur. checked  
 Flaps Set  
 Trim Set for T/O  
 Aux Fuel Pump Verify Off  
 Speed Brakes retracted  
 Departure Briefing Complete  
 Doors & Windows Secured

Strobes On  
 Transponder ACS  
 Mixture Rich  
 Pitot Heat As Req'd  
 Time Off Noted

### V-Speeds (in KIAS)

Vr	70-77	Va	97-124
Vx	79	Vfe	108
Vy	97	Vle	133
Climb	104	Vlo	133 Dn
		Vlo	111 Up
Vs	66	Vno	152
Vs0	61	Vne	193
Vref Flaps 40°	75		
Best Glide	97		
Max Dem XW	17		

### PA28-201RT Checklist

#### After Takeoff

Flaps Check Up  
 Gear Up  
 Power 30-35"/41" max  
 Propeller 2500 RPM

#### Cruise Check

Engine Instruments Check  
 Cruise Power acc. Table  
 Mixture 100° Rich of Peak  
 Fuel Quant. Endurance check  
 Altimeter QNH/QNE set

#### Cruise Climb

Power 33.8" Hg  
 Propeller 2450 RPM  
 Mixture Rich  
 Climb Speed 104 KIAS

#### Check before Descent

**A** ATIS/APP Briefing Compl'd  
*Flight Instruments* Chk'd/Set  
*Radios* Set  
**B** Belts fastened  
**C** Circuit Breakers all in  
**D** Directional Gyro checked  
**E** Electrics checked  
**F** Fuel Quantity/Mixture set

#### Check before Approach

Landing Light On  
 Fuel Selector Fullest Tank

#### FINAL CHECK

Flaps Set (108 max)  
 Propeller Set  
 Mixture Set  
 Gear Down & locked (133 max)

#### After Landing

Throttle 1000 RPM  
 Mixture Leaned  
 Strobes Off  
 Flaps Up  
 Transponder Standby  
 Landing Light As Req'd

#### Parking

Parking Brake On  
 Electrical Equipment Off  
 Turbo Cool Down 4 Mins  
 Mixture Idle Cut-Off  
 Magnetos & Batt/Alt Off  
**CLOSE FLIGHT PLAN**

#### Securing The Aircraft

Hobbs/Tach Record  
 Controls Secure  
 Door & Window Secure  
 Tiedowns Secure

**Engine Failure**

Altitude Sufficient For Restart?

**NO**

Glide Establish 97 KIAS  
Landing Site Select  
Mixture Cut-Off  
Battery/Alternator Off  
Magnetos Off  
Fuel Selector Off  
Landing Gear As Req'd  
Cabin Door As Req'd

**YES**

Glide Establish 97 KIAS  
Landing Site Select  
Fuel Selector Opposite Tank  
Aux Fuel Pump Unlatch - HI  
Mixture Full Rich  
Alternate Air On  
Throttle Set  
Magnetos Check

Engine Restarted?

**Loss Of Fuel Pressure**

Aux Fuel Pump On  
Fuel Selector Opposite Tank

**NO**

Mayday Transmit  
Mixture Cut-Off  
Battery/Alternator Off  
Magnetos Off  
Fuel Selector Off  
Landing Gear As Req'd  
Cabin Door As Req'd

**Flooded Engine Start**

Throttle Full Fwd  
Battery & Alternator On  
Aux Fuel Pump Off  
Mixture Idle Cut-Off  
Starter Engage  
Mixture (At Start) Full Rich  
Throttle 1000 RPM  
Engine Instruments Check

**Engine Fire During Start**

Starter Engage  
Mixture Cut-Off  
Throttle Open  
Primer Off  
Aux Fuel Pump Off  
Fuel Selector Off

Evacuate If Fire Continues

**Hot Engine Start**

Throttle ½ Open  
Battery & Alternator On  
Mixture Full Rich  
Starter Engage  
Throttle 1000 RPM  
Engine Instruments Check

**Engine Fire During Taxi**

Airplane Stop  
Mixture Cut-Off  
Fuel Selector Off  
Battery & Alternator Off

Evacuate Aircraft

**Engine Roughness**

Alternate Air On  
If roughness continues after one minute:

Mixture Adjust  
Aux Fuel Pump On  
Fuel Selector Opposite Tank  
Engine Instruments Check  
Magnetos Check

If operation on either magneto is satisfactory, continue on that magneto at reduced power with mixture full rich. Land as soon as practicable.

**Engine Fire In Flight**

Fuel Selector Off  
Throttle Closed  
Mixture Cut-Off  
Glide Establish  
Landing Site Select  
Mayday Transmit  
Magnetos Off  
Battery & Alternator Off

**Propeller Overspeed**

Throttle Retard  
Oil Pressure Check  
Propeller Full Decrease  
Airspeed Reduce  
Throttle As Req'd

**Cabin Fire In Flight**

Battery & Alternator Off  
Electrical Equipment Off  
Vents Open

**Loss Of Oil Pressure/  
High Oil Temperature**

Land As Soon As Practicable.  
Prepare For Imminent Engine Failure

**Spin Recovery**

Throttle Idle  
Ailerons Neutral  
Rudder Opposite Of Spin  
Control Wheel Full Forward

Rudder And Control  
Wheel Neutral When  
Rotation Stops

Pitch Level

**YES**

Aux Fuel Pump Off  
Alternate Air Closed

Leave Fuel Selector On  
Present Tank And Land As  
Soon As Practicable

**Emergency Gear Extend**

Master Switch On  
Circuit Breakers Check  
Panel Lights Off (daytime)  
Gear Bulbs Check

Airspeed Below 88 KIAS  
Gear Switch Down  
Emergency Gear Lever  
Override Engaged  
--- Gear Failure Remains ---  
Emergency Gear Lever  
HOLD Emergency Down

**Electrical Failure**

Ammeter Check  
*If Ammeter Indicates Zero*

ALT Switch Off  
*Reduce Electrical Load To Min*

ALT Circuit Breaker Check  
ALT Switch On  
*If Power Not Restored*

ALT Switch Off  
Land As Soon As Practicable

**Electrical Overload**

Alternator Switch On  
Battery Switch Off  
*If Alternator Loads Reduced*

Electrical Load Reduced  
*If Alternator Loads NOT Reduced*

Alternator Switch Off  
Battery Switch As Req'd

**PA28-201RT Checklist**

Adapted for  
SE-MDX

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