

## WINFC PA28R-200 Arrow N2611R Checklists

### Preflight

#### CABIN

Control Lock	REMOVED
Gear Handle	DOWN
Flaps	EXTEND
Trim	SET
Throttle	CLOSED
Propeller Control	FULL FWD
Mixture	CUTOFF
Radio Master	OFF
Master Switch	ON
Fuel Quantity	CHKD
BCN	ON/CHKD
Master Switch	OFF
AFM/AROW	CHKD

#### R WING

Flaps	CHKD
Control Surfaces	CHKD
Wing Tip/Surfaces	CHKD
Fuel Drain/Vent	SAMPLE/CLEAR
Fuel Quant/Cap	CHK/SECURE
Main Gear/Strut	CHKD
Tie-Down/Chocks	REMOVED
Cabin Air Intake	CLEAR

#### NOSE

Windshield	CHKD
Oil Quant (6-8qts)	CHKD
Prop/Spinner	CHKD
Air Intake/Filter	CHKD
Engine Cowling	CHKD
Tire/Strut	CHKD
Fuel Drain	SAMPLE/CLEAR

#### L WING

Cabin Air Intake	CLEAR
Main Gear/Strut	CHKD
Fuel Drain/Vent	SAMPLE/CLEAR
Fuel Quant/Cap	CHK/SECURE
Tie-Down	REMOVED
Pitot Static Mast	CHKD
Stall Warning	CHKD
Wing Tip/Surface	CHKD
Control Surfaces	CHKD
Flaps	CHKD

#### EMPENNAGE

Antennas	CHKD
BCN	CHKD
Control Surfaces	CHKD
Tie-Down	REMOVE

### Before Start

Seats/Belts/Harness	FSTN/ADJ
Parking Brake	SET
Circuit Breakers	IN
Radio Master	OFF
Electrical Equip	OFF (BCN ON)

### Start

Fuel Selector	L OR R TANK
Throttle	OPEN ¼"
Propeller Control	FULL FWD
Master Switch	ON
Fuel Pump/Pres	ON/CHKD
BCN	ON
Prime:	
Mixture	RICH
- after ~2sec FF ind -	
Mixture	CUTOFF
Propeller Area	CLEAR
- after eng starts -	
Mixture	FULL RICH
Throttle	1250 RPM
Oil Pressure	CHKD
Fuel Pump	OFF

### Abnormal Starts

#### FLOODED START:

Throttle	FULL OPEN
Fuel Pump	OFF
Mixture	CUTOFF
- after START -	MIXTURE RICH

#### HOT START:

*Same as Normal Except:* DO NOT PRIME

### Before Taxi

Radio Master	ON
Radios	SET
ATIS	COPIED
Att/Head/Alt	SET/XCHKD
GPS	ON
Flaps	AS REQD
Nav/Ldg Lights	AS REQD
Fuel Selector	FULLEST TANK
<b>TAXI:</b>	
Brakes	CHKD
Instrument Checks	COMPLETE

**ATIS 134.15 GND 121.75 TWR 127.9 App E/W120.7/118.2 DME 113.8**

### Engine Run-up

Parking Brake	SET
Door/Window	CLSD/LATCHED
Controls	FREE/CORRECT
Electric Trim	CHKD
Autopilot	OFF
Fuel Selector	PROPER TANK
Mixture	RICH
Throttle	2000 RPM
Eng Instruments	CHKD
Magnetos	CHKD(175/50)
Propeller Cont.	CHKD (cyc x3)
Load Meter	CHKD
Suction Gauge	CHKD
Alternate Air	CHKD
Standby Vacuum	CHKD
Throttle (idle then)	1250 RPM

### Magneto Burn-Out

Throttle	2000 RPM
Ignition	BOTH
Mixture	LEAN
<i>Wait 1 Minute:</i>	
Mixture	RICH
Magnetos	CHKD

### Before Takeoff

Departure Brief	Vr = 65 Vx = 81/91
Rwy Dir/Obstructions	Vy = 85/95
Eng Failure (end/rng)	Mg = 95/105
Fuel Pump	ON
Mixture	RICH
Flaps	SET
Trim	SET
Attitude/Heading	SET
Altimeter	SET/CHKD(75)
Radio/Transponder	SET
<i>When cleared for takeoff:</i>	
Landing Light	ON
Transponder	ALT
Pitot Heat	AS REQD

### After Takeoff

Gear (<125 mph)	UP
Flaps	UP
Power (passing 500')	25"/2500

### Cruise

Power	SET w/in LIMITS
Mixture	AS REQD
Fuel Pump	OFF

### Six Configurations

	Power	Pitch	Airspeed	Gear/Flaps	VSI
Climb	25" 2500	+5	115	Up	+500
Cruise	24" 2400	0	145	Up	0
Cruise Descent	20" 2400	-3	145	Up	-300
Approach	20" 2400	+1	130	Up	0
App Descent	16" FWD	-3	105	Dwn 10d	-500
NP App Descent	13" FWD	-5	105	Dwn 10d	-800

### In Range (25 NM)

Seats/Belts/Harn	FSTN/ADJ
Mixture	RICH
App Brief/ Weather	COMPLT/CHKD
Altimeter	SET
Comm/Nav	SET
Pitot Heat	AS REQD

### Before Landing 'BCGUMPS'

Boost Pump	ON
Carb Heat	ALT AIR CHK
Gas Selector	FULLEST TANK
Undercarriage (<150)	DOWN/LCKD
Mixture	FULL RICH
Propeller Control	FULL FWD
Spotlight	LND LT ON

### After Landing

Flaps	UP
Fuel Pump	OFF
Transponder	STBY
Landing Light	AS REQ
Pitot Heat	OFF

### Shutdown 'MMM'

Throttle	1500 RPM
Radio Master	OFF
Electrical Equip	OFF
Throttle (after 15 sec)	IDLE
Mixture	CUTOFF
Master Switch	OFF
Magneto Switches	OFF
<i>After fueling:</i>	
Controls	LOCKED
Tie Downs	SECURED

## PA28R-200 N2611R Emergency Procedures

### Engine Failure

Airspeed (end/range)	95/105 TRIM
Landing Site	LOC/TURN TO
<b>Altitude Permitting</b>	
Fuel Pump	ON
Fuel Selector	CHG TANK
Ignition	BOTH
Mixture	RICH
Alternate Air	ON
<b>If Eng Fails to Start</b>	
Propeller Control	FULL DECR
Seat Belts/Harness	FASTENED
Squawk	7700
Radio	121.5 <i>MADAY</i>
Doors	UNLATCHED
<i>If Unimproved Surface:</i>	
Gear Handle	UP
<i>If Improved Surface:</i>	
Gear Handle	DOWN
<b>Engine Secure:</b>	
Mixture	CUTOFF
Ignition	OFF
Fuel Selector	OFF
Master Switch	OFF
Flaps	FULL DOWN

### Engine Fire

Throttle	CLOSE
Mixture	CUTOFF
Fuel Selector	OFF
Fuel Pump	OFF
Ignition	OFF
Master Switch	OFF
Cabin Heat/Def	OFF
Dive To Extinguish	
Execute Eng Failure	Procedures

### Wing Fire

Fuel Selector	OTHER TANK
Nav Lights	OFF
Pitot Heat	OFF
Slip Away From Fire	
<i>If fire does not go out:</i>	
Emergency Descent	PERFORM

### Cabin Fire

Master Switch	OFF
Cabin Vents/Heat/Air	OFF
<i>If fire does not go out:</i>	
Emergency Descent	PERFORM

### Eng Fire On Start

Starter	CRANK
<i>If Engine Starts:</i>	
Power	2000 RPM
Engine	SECURE
<i>If No Start:</i>	
Starter	CONT CRANK
<b>Engine Secure:</b>	
Master Switch	OFF
Ignition	OFF
Fuel Pump	OFF
Fuel Selector	OFF

### Icing Encounter

Change Direction/Alt.	
Pitot Heat	ON
Alternate Air	ON
Cabin Heat/Defrost	ON
Power	INCR
<i>Land ASAP</i>	
Flaps	UP
Approach Airspeed	FAST > 90 mph

### Spin Recovery

Throttle	IDLE
Ailerons	NEUTRAL
Rudder	FULL OPP DIR
Control Wheel	FULL FWD
<i>When Rotation Stops:</i>	
Rudder	NEUTRAL
Return to Level Flight	

### Electrical Fire

Master Switch	OFF
Cabin Vents	OPEN
Cabin Heat	OFF
Land ASAP	

Engine Roughness	
Alternate Air	ON
Mixture	ADJ
Fuel Pump	ON
Fuel Selector	SWITCH TANK
Engine Instruments	CHK
Ignition	L/R/BOTH
Primer	CHK IN/LCKD

High Oil Temp	
Note Oil Pressure	
Land ASAP	

Low Oil Pressure	
Land ASAP	
<i>If Rise In Temp:</i>	
Power	REDUCE
Execute Force Landing	
Anticipate Eng Failure	

Low Fuel Pressure	
Fuel Pump	ON
Fuel Selector	FULL TANK

Load Meter Full Chrg	
Alt Switch	OFF
Electrical Load	REDUCE
Land ASAP	

Alternator Failure	
Alternator Switch	OFF
Electrical Load	REDUCE
Alternator CB	CHECK IN
<i>Wait 30 seconds then:</i>	
Alternator Switch	ON
<i>If Alt Fails To Reset:</i>	
Alternator Switch	OFF
Land ASAP	
<i>If Night Or IMC:</i>	
Get VFR And Land	ASAP

Turbulence Encounter	
Airspeed	< 131 mph
Seat Belts/Harn	TIGHTEN
Loose Items	SECURE

Gear Unsafe	
Master Switch	ON
Landing Gear CB	CHKD
Panel Lights	OFF
Gear Ind. Bulbs	CHKD
Airspeed	< 100
Gear Handle	DOWN
<i>If Gear Fails To Ind Down</i>	
Emg. Gear Lever	DOWN
<i>If Gear Fails To Ind.</i>	
Yaw the Aircraft	SIDE TO SIDE
<i>If Fuel Permits</i>	
Obtain A Visual Check From Another A/C or Control Tower	

Prop Overspeed	
Throttle	RETARD
Oil Pressure	CHKD
Prop Control	FULL DECR THEN RESET
Airspeed	REDUCE
Throttle	SET <2700RPM

Emergency Descent	
Throttle	IDLE
Prop Control	FULL INC
Mixture	RICH
Angle Of Bank	45°
Airspeed	< 131 mph

Open Door	
Airspeed	< 100 mph
Cabin Vents	CLOSE
Window	OPEN
Door	RE-CLOSE

Aborted Takeoff	
Throttle	IDLE
Brakes	APPLY
Flaps	UP
<i>If Leaving Runway:</i>	
Mixture	CUTOFF
Ignition	OFF
Master Switch	OFF
Fuel Selector	OFF