

## 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)
Passengers	BRIEF

### 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 ~4sec 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 -	MIX RICH/IDLE

#### HOT START:

<i>Same prime except:</i>	Throttle ¾ inch
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### 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/Strobe	ON/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

### InRange(25)'A MICE ATM'

ATIS/Altimeter	WX CHKD/SET
Mkr bcn/ID nav aids	ON/SET/ID
Course/Entry	SET/PLANNED
Altitudes/Times(MAP)	Reviewed/SET
Missed App Proc	BRIEFED

### 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 MADAY
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 End 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  
*If Rise In Temp:*  
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  
*Wait 30 seconds then:*  
Alternator Switch ON  
*If Alt Fails To Reset:*  
Alternator Switch OFF  
Land ASAP  
*If Night Or IMC:*  
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  
*If Gear Fails To Ind Down*  
Emg. Gear Lever DOWN  
*If Gear Fails To Ind.*  
Yaw the Aircraft SIDE TO SIDE  
*If Fuel Permits*  
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  
*If Leaving Runway:*  
Mixture CUTOFF  
Ignition OFF  
Master Switch OFF  
Fuel Selector OFF