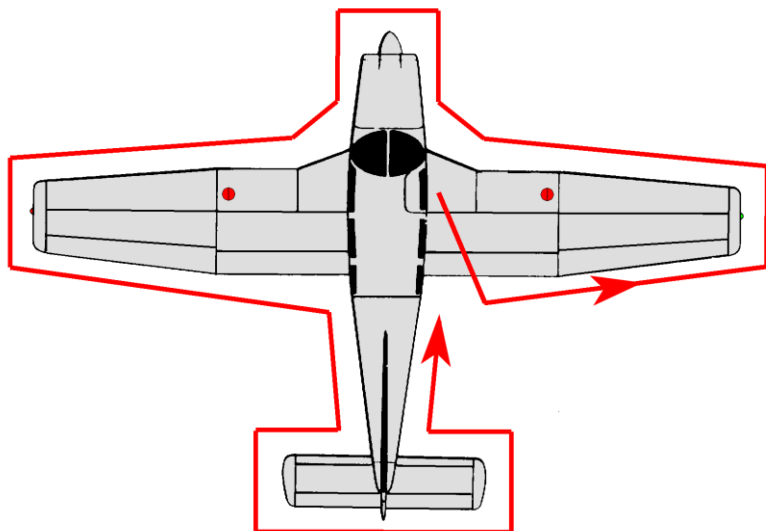




Warriors Flying Club

# CHECKLIST



# N611JP

PA-28-161

*To be used in conjunction with Section 4 POH*

Airplane Serial NO. 28-7916111

## Pre-flight Planning

Weather ..... Checked  
Performance data ..... Checked  
*Weight & balance, Land and Take-off distance*  
Aircraft documents ..... Verified  
*Airworthiness certificate, Registration, Operations manual (ARROW)*

## Pre-flight Inspection – Interior

Parking brake ..... Set as desired  
Controls ..... Free and clear  
Ignition ..... Off  
Avionics ..... Off  
Master switch ..... On  
Lights ..... On and verified  
Fuel pump A or B ..... On  
Fuel pressure / quantity ..... Checked  
Fuel pump A or B ..... Off  
Master switch ..... Off  
Flaps ..... Extended

## Pre-flight Inspection – Exterior

### *Right Wing*

Flap condition ..... Checked  
Aileron ..... Checked  
Wing tip ..... Checked  
Wing surface condition ..... Checked  
Fuel level ..... Checked  
Fuel vent ..... Checked  
Fuel sump ..... Drained  
Main gear strut ..... Checked  
Tire, brakes and fluid ..... Checked  
Tie down ..... Removed

### *Engine Cowling*

Windshield ..... Checked  
Surface condition ..... Checked  
Right cowling fasteners ..... Open  
Interior wiring, pipes, etc. .... Checked  
Oil level ..... between 6 and 8 quarts  
Right cowling fasteners ..... Closed  
Propeller ..... Checked  
Spinner ..... Checked  
Alternator belt ..... Checked  
Air inlets ..... Free and clear

### *Engine Cowling (continued)*

Exhaust system ..... Tight  
Nose gear strut ..... Checked  
Tire ..... Checked  
Left cowling fasteners ..... Open  
Interior wiring, pipes, etc. ... Checked  
Brake fluid ..... Checked  
Left Cowling fasteners ..... Closed  
Fuel sump ..... Checked  
Surface condition ..... Checked  
Windshield ..... Checked

### *Left Wing*

Main gear strut ..... Checked  
Tire, brakes and fluid ..... Checked  
Fuel sump ..... Checked  
Fuel vent ..... Checked  
Tie down ..... Removed  
Pitot and static port ..... Checked  
Fuel level ..... Checked  
Stall warning ..... Checked  
Surface condition ..... Checked  
Wing tip ..... Checked  
Aileron ..... Checked  
Flap condition ..... Checked

### *Aft Fuselage and Empennage*

Left surface condition ..... Checked  
Antennas ..... Checked  
Stabilator, trim tab ..... Checked  
Rudder ..... Checked  
Tie down ..... Removed  
Tail cone, skid ..... Checked  
Right surface condition ..... Checked  
Baggage door ..... Checked

## Pre-flight Inspection

### *Interior*

Flaps ..... Retracted  
Seats ..... Adjusted and locked  
Seatbelts ..... On  
Shoulder harness ..... On  
Passenger briefing ..... Complete

## Before Engine Start

Trim (elevator & rudder) .....Set  
Fuel selector .....Lowest tank  
Drain valves .....Checked  
Heat / fresh air controls .....Set  
Circuit breakers.....Checked  
Carb heat .....Cold  
Friction lock.....Set  
Mixture ..... Full rich  
Throttle.....Set  
Primer ..... As required, then locked  
Mags ..... Off  
Flight instruments ..... Checked  
Avionics ..... Off  
Lights .....Beacon on  
Fuel pump A ..... On  
Master switch..... On  
Fuel pressure.....Checked  
Propeller area ..... Cleared  
Toe brakes..... Feet on pedals  
Parking brake.....Released  
Ignition switch ..... Start engine

## After Engine Start

Throttle..... 1,000 RPM  
Oil pressure .....Checked  
Fuel pump A ..... Off  
Fuel pressure.....Checked  
Alternator .....Checked  
Vacuum.....Checked  
Avionics ..... On  
Radios.....Set  
ATIS..... Obtain  
Altimeter.....Set  
Directional gyro.... Magnetic Compass

## Taxi

Parking brake.....Released  
Toe brakes.....Checked  
Flight controls .....As required for wind  
Taxi ..... Monitor traffic  
Flight instruments ..... Checked  
Hold in run-up area .....Hold

## Before Takeoff

Parking brake or toe brakes ..... Set  
Throttle ..... 1000 RPM  
Trim ..... Set  
Fuel pump A ..... On  
Fuel pressure ..... Checked  
Fuel selector.....Fullest tank  
Fuel pump A .....Off  
Fuel pressure ..... Checked

## Engine Run-up

Throttle ..... 2000 RPM  
Magnetos..... Checked  
*Max drop 175 RPM, Max difference 50 RPM*  
Engine Instruments ..... Green band  
Annunciator lights....V A O Checked  
Vacuum .....4.8 to 5.2 PSI  
Ammeter.....Charging  
Carb heat.... Some decrease, no rise  
Mixture..... Full rich  
*Lean mixture above 3000 feet*  
Throttle .....Idle, then 1000 RPM  
Parking brake ..... Verify off

## Pre-flight Completion

Altimeter ..... Set to QNH  
Directional gyro .. Magnetic compass  
Flight instruments ..... Checked  
Flight controls ..... Free and clear  
Flaps..... Set as needed  
Radios ..... COM / NAV set  
Safety briefing ..... Complete  
Doors and windows ..... Locked  
Tower ..... Call

## Position and Hold

Strobe lights ..... On  
Fuel pump A ..... On  
Nav lights..... On for night flight  
Auto-pilot ..... Verify Off  
Flight controls ..... Free and clear  
Transponder ..... On mode S

## Cleared for Takeoff

Fuel pressure ..... Checked  
Landing lights ..... On  
Time ..... Check

## Take-Off

### Normal

Flaps ..... Set  
Trim (elevator & rudder) ..... Set  
Throttle ..... Full Forward

*Back pressure to rotate to climb attitude*

### Short Field Takeoff

Flaps ..... 25°  
Brakes ..... Apply  
Throttle ..... Full Forward  
Brakes ..... Release

*Accelerate to 52 KIAS. Maintain 52 KIAS until obstacle cleared. Accelerate to 79 KIAS after obstacle cleared*

Flaps ..... Retract Slowly

### Soft Field Take-Off

Flaps ..... 25°  
Throttle ..... Full Forward

*Lift nose wheel as soon as possible. Accelerate to 52 KIAS to climb past obstacle height. Continue climb while accelerating to 79 KIAS*

Flaps ..... Retract Slowly

## After Takeoff

Flaps ..... Up  
Landing lights ..... Off  
Fuel pump A ..... Off  
Fuel pressure ..... Checked

## Cruise

Cruise power ..... Set  
Mixture ..... Set  
Engine instruments ..... Checked  
Directional Gyro ..... Magnetic Compass  
Fuel selector ..... As required

*Switch tanks after first ½ hour and then every hour*

## Descent

ATIS ..... Obtain  
Tower ..... Call  
Safety briefing ..... Complete

Seat belts and harness ..... On  
Landing lights ..... On  
Fuel pump A ..... On  
Fuel pressure ..... Checked  
Fuel selector ..... Fullest tank  
Mags ..... Checked on both  
Engine instruments ..... Checked  
Directional Gyro ..... Magnetic Compass  
Primer ..... Locked  
Mixture ..... Full rich  
Carb heat ..... Checked

## Approach for Landing

V<sub>FE</sub> Clean to 10° ..... 103 KIAS  
V<sub>Min</sub> Approach ..... 70 KIAS  
V<sub>Landing</sub> with flaps at 40° ..... 63 KIAS

## After Landing

Flaps ..... Retract  
Trim ..... Reset  
Fuel pump A ..... Off  
Fuel pressure ..... Checked  
Landing and strobe lights ..... Off  
Transponder ..... Standby  
Ground control ..... Call

## Engine Shutdown

Parking brake ..... As required  
Throttle ..... 1000 RPM  
Avionics ..... Off  
Mixture ..... Idle cutoff  
Magnetos ..... Off after prop stops  
Lights ..... Off  
Master switch ..... Off

## Secure Aircraft

Controls ..... Seat belt secured  
All switches ..... Verify off  
Hobbs / Tach times ..... Record  
Doors and windows ..... Closed  
Aircraft ..... Tie down

### Engine Fire During Start

Starter ..... Continue cranking  
Mixture ..... Idle cutoff  
Throttle ..... Wide open  
Fuel pump ..... Off  
Fuel selector ..... Off  
If fire persists ..... Evacuate

### Engine Fire During Flight

Airspeed ..... Increase  
Fuel pump A or B ..... Off  
Fuel selector ..... Off  
Throttle ..... Closed  
Mixture ..... Idle cutoff  
Magnetos ..... Off  
Cabin heat / defrost / air ..... Off  
Emergency landing check ..... Perform

### Electrical Fire (Smoke)

Master switch ..... Off  
Electrical equipment ..... Off  
Floor air vents ..... Open  
Cabin heat / air ..... Off  
If smoke stops ..... Troubleshoot  
Land ..... ASAP

### Loss of Oil Pressure

Land ..... ASAP  
Prepare for ..... Engine failure

### Loss of Fuel Pressure

Fuel pump A or B ..... On  
Fuel selector ..... Switch tanks  
Fuel pressure ..... Checked  
Prepare for ..... Engine failure

### High Oil Temperature

Mixture ..... Full rich  
Land ..... ASAP  
Prepare for ..... Engine failure

### Alternator / Generator Failure

Ammeter ..... Check  
Alternator switch ..... Off  
Circuit breakers ..... Check  
Alternator switch ..... On  
*If power cannot be restored, reduce electrical load*  
Land ..... ASAP

### Engine Failure

Safe airspeed ..... 73 KIAS  
Best place to land ..... Choose  
Carb heat ..... On  
*Begin maneuvering toward safe landing area*  
Fuel pump A or B ..... On  
Mixture ..... Different setting  
Throttle ..... Different setting  
Primer ..... Verify locked  
Fuel pressure ..... Checked  
Magnetos ..... Checked  
Fuel selector ..... Switch tanks

### Emergency Landing

Best glide speed ..... 73 KIAS  
Seat belt / harness ..... On  
Fuel selector ..... Off  
Magnetos ..... Off  
Mixture ..... Idle cutoff  
Fuel pump ..... Off  
Door ..... Consider opening  
Master switch ..... Off

**Mayday: Call 121.5 and Squawk 7700**

## Transponder Codes

7500..... Hijacking  
7600..... Lost radio communications  
7700..... General emergency  
7777..... Military interceptor

## Pilot-Controlled Lighting (USA)

Seven clicks. Turns on, high intensity  
Five clicks ..... Medium intensity  
Three clicks ..... Low intensity

## ATC Light Signals

### *On the Ground*

Flashing Green ..... Cleared to taxi  
Steady Green ..... Cleared for takeoff  
Flashing Red ..... Taxi clear of runway  
Steady Red ..... Stop  
Flashing White ..... Return to FBO  
Alt Red and Green ..... Use caution

### *In the Air*

Flashing Green ..... Return for landing  
Steady Green ..... Cleared to land  
Flashing Red ..... Airport unsafe  
Steady Red ..... Give way, circle  
Alt Red and Green ..... Use caution

## Take-off Reference Speeds

V<sub>Rotate (clean)</sub> ..... 55 KIAS  
V<sub>Rotate (25° flaps)</sub> ..... 52 KIAS

V<sub>Y</sub> ..... 79 KIAS  
*Best Rate: Greatest alt gain in shortest time*

V<sub>X</sub> ..... 63 KIAS  
*Best Angle: Greatest alt gain in shortest distance*

V<sub>A</sub> at 2325 Lbs ..... 111 KIAS

V<sub>A</sub> at 1531 Lbs ..... 88 KIAS

V<sub>En-Route Climb</sub> ..... 87 KIAS

## Radio Frequencies

### *Information only*

EHAL ..... 118.355 MHz  
EHBD ..... 122.155 MHz  
EHDR ..... 119.655 MHz  
EHHV ..... 131.030 MHz  
EHHO ..... 127.355 MHz  
EHMZ ..... 119.255 MHz  
EHSE ..... 120.655 MHz  
EHTE ..... 121.005 MHz  
EHTL ..... 130.130 MHz  
EHTX ..... 119.305 MHz

### *Controlled Airports*

EHAM TWR MAIN ..... 119.230 MHz  
EHBK TWR ..... 119.480 MHz  
EHRD TWR ..... 118.200 MHz  
EHGG TWR ..... 118.705 MHz  
EHLE TWR ..... 135.180 MHz  
EHRD TWR ..... 118.205 MHz  
EHRD APP ..... 122.990 MHz

### *Military Airports*

EHDL TWR ..... 129.930 MHz  
EHEH TWR ..... 131.005 MHz  
EHGR TWR ..... 125.330 MHz  
EHKD TWR ..... 120.130 MHz  
EHLW TWR ..... 120.705 MHz  
EHVK TWR ..... 136.080 MHz  
EHWO TWR ..... 120.430 MHz

RAPCON NOORD ..... 132.030 MHz  
RAPCON WEST ..... 123.580 MHz  
RAPCON ZUID ..... 123.180 MHz

### *Flight Information Service*

AMSTERDAM INFO ..... 124.300 MHz  
DUTCHMIL INFO (VFR) ..... 132.350 MHz  
DUTCHMIL (IFR) ..... 128.355 MHz

### *ATIS*

EHAM ARRIVAL ..... 132.980 MHz  
EHAM DEPARTURE ..... 122.205 MHz  
EHEH ..... 126.025 MHz  
EHGG ..... 133.550 MHz  
EHLE ..... 120.730 MHz  
EHKD ..... 133.010 MHz  
EHBK ..... 124.580 MHz

**Speeds limitations:**

	<b>KIAS</b>	<b>KCAS</b>
Never Exceed Speed (Vne)	160	153
Max Structural Cruising Speed (Vno)	126	122
Maximum Flaps Extended Speed (Vfe)	103	100
Design Maneuvering Speed (Va) At 2325 LBS	111	108
At 1531 LBS GW	88	89

**Airspeed indicator Markings: IAS**

Red line	160		
Yellow Arc (Caution Range)	126	to	60
Green Arc (Normal operating)	50	to	126
White Arc (Flaps Down)	44	to	103

**Stall Speeds:**

2325 Lbs 0 Flaps	50
2325 Lbs Full Flaps	44

**Airspeeds for safe operations:**

Power off glide speed o flaps	73
Best Rate of Climb Speed (Vy)	79
Best Angle of Climb Speed(Vx)	63
En Route Climb Speed	87
Landing Final Approach Speed Flaps full 40 deg	63
Maximum Demonstrated Crosswind Velocity	17
Normal Lift Off Speed	44 - 55

**Maneuver limits:**

Steep Turns	111kts
Lazy Eights	111kts
Chandelles	111kts

**Flight Load Factors:**

Positive Load Factor (max)	Normal	Utility
	3.8 G	4.4 G
Negative Load Factor:	Not Allowed	

**Fuel:**

Avgas 100LL or EURO 98 Aviation Grade	
Total Capacity:	50 USG
Total Usable Capacity:	48 USG
Usable Capacity To The Bottom of the indicator tab:	17 USG each (34 USG total)

**Oil:**

Maximum Oil Capacity (U.S. quarts)	8
Minimum Oil Capacity (U.S. quarts)	4

## GENERAL INFORMATION

### PIPER PA 28 SERIES

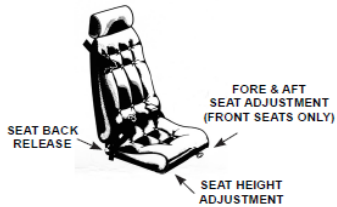
#### PASSENGER BRIEFING

JAA Regulation JAR-OPS 1.085(e) requires the Pilot in Command to brief all passengers on the following items prior to each takeoff. This card has been prepared to supplement the Pilot's passenger briefing.

#### SEAT BACKS

Seat backs must be secured in the upright position during takeoff and landing.

#### SEAT ADJUSTMENTS



#### FASTEN SEAT BELTS NO SMOKING

Fasten seat belt & shoulder harness (if present) for take off & landing. Insert latch into buckle & pull belt snug. To release belt, pull up on lip of buckle. Smoking is not permitted onboard the aircraft at any stage of the flight.

#### FIRST AID KIT

A First Aid kit is located behind the Pilot's seat in the seat back in case of emergency.

#### FIRE EXTINGUISHER

A Fire Extinguisher is located either in front of the Pilot's seat or between the two front seats on the floor.

*The Pilot's Operating Handbook shall be the authority if an inconsistency exists between this card and the Pilot's Operating Handbook.*

## EMERGENCY INFORMATION

### PIPER PA 28 SERIES

#### EMERGENCY EXIT



To tilt seat forward, turn knob (1) clockwise, push seat forward (right front seat only).

#### MAIN CABIN DOOR OPERATION



To open cabin door, twist upper door latch (2) forward lift the lower latch (3) up. Push door open.