Piper Cherokee Warrior II  
PA-28-151 & 161  
NORMAL PROCEDURES  
CHECKLIST

*This is to be used as a REFERENCE ONLY, it is not a substitute for the Airplane Flight Manual.  
*Refer to AFM/POH for amplified procedures. User assumes all risk of use in using this product. User consents to and understands that American Flight Schools bears no liability for the use of this product.

BEFORE START
1. Parking Brake..................set
2. Carburetor Heat..................full off
3. Fuel Selector........desired tank
4. Passenger Briefing..................complete

**STARTING ENGINE WHEN COLD**
1. Throttle..................1/4” open
2. Prime................As Necessary
3. Master switch........ON
4. Anti-Collision Lights.........ON
5. Electric Fuel Pump........ON
6. Mixture....................SET
7. Propeller................clear
8. Starter........clockwise, press in to engage
9. Throttle..................adjust
10. Oil pressure..............check

**STARTING ENGINE WHEN HOT**
1. Throttle..................1/2” open
2. Master switch........ON
3. Anti-Collision Lights.........ON
4. Electric Fuel Pump........ON
5. Mixture....................SET
6. Propeller................clear
7. Starter........clockwise, press in to engage
8. Throttle..................adjust
9. Oil pressure..............check

**STARTING ENGINE WHEN FLOODED**
1. Throttle..................open full
2. Master switch........ON
3. Anti-Collision Lights.........ON
4. Electric Fuel Pump........OFF
5. Mixture................idle cut-off
6. Propeller................clear
7. Starter........engage
8. Mixture................SET
9. Throttle..................retard
10. Oil pressure..............check

**STARTING WITH EXTERNAL POWER SOURCE**
1. Master switch........OFF
2. All electrical equipment........OFF
3. Terminals................connect
4. External power plug........insert in fuselage
5. Proceed with normal start
6. Throttle........lowest possible RPM
7. External power plug........disconnect
8. Master switch........ON – check ammeter
9. Anti-Collision Lights.........ON
10. Oil Pressure..............check

**TAXIING**
1. Avionics........ON
2. Mixture...............SET
3. Lights........as needed
4. Parking brake........released
5. Taxi area...........clear
6. Throttle........apply slowly
7. Brakes........check
8. Steering........check

**GROUND CHECK (Run-up)**
1. Parking brake........set
2. Throttle........2000 RPM
3. Mixture........SET
4. Magneto max drop 175 RPM
5. Vacuum.........4.9” Hg. To 5.1” Hg.
6. Oil temp........check
7. Oil pressure........check
8. Annunciator panel........press to test
9. Carburetor Heat........check
10. Engine is warm for takeoff when throttle can be opened without engine faltering.
11. Fuel Tank........Switch Tanks
12. Electric fuel pump........OFF
13. Fuel pressure........check
14. Throttle........retard

<table>
<thead>
<tr>
<th>Rotation Speed</th>
<th>Vno</th>
<th>Vne</th>
<th>Vy (SL)</th>
<th>Vx (SL)</th>
<th>Vso</th>
<th>Vs</th>
<th>Vfe</th>
<th>Va</th>
<th>Max Xwind</th>
<th>Max T/O</th>
<th>Max LND</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>126</td>
<td>160</td>
<td>79</td>
<td>63</td>
<td>44</td>
<td>50</td>
<td>103</td>
<td>111-88</td>
<td>2300lbs</td>
<td>2300lbs</td>
<td>2300lbs</td>
</tr>
</tbody>
</table>

| KAPA - Tower   | 118.9 |
| KAPA - Ground  | 121.8 |
| KAPA - ATIS    | 120.3 |
| KAPA - Approach| 132.75|
| KBJC - Tower   | 118.6 |
| KBJC - Ground  | 121.7 |
| KBJC - ATIS    | 126.25|
| KBJC - Approach| 126.1 |
| KFTG - Tower   | 120.2 |
| KFTG - Ground  | 124.7 |
| KFTG - ATIS    | 119.25|
| FSS            | 122.2 |
BEFORE TAKEOFF (Run-up)
1. Fuel selector ....................................... fullest tank
2. Master switch ...................................... ON
3. Flight instruments ................................. check
4. Electric fuel pump .................................... ON
5. Lights ................................................. as needed
6. Engine gauges ....................................... check
7. Mixture .................................................. set
8. Carburetor heat ........................................ OFF
9. Seat backs ............................................ erect
10. Belts/harness ........................................ fastened
11. Empty seats ................................. seat belts-snugly fastened
12. Flaps ............................................... as needed
13. Trim tab ................................................. set
14. Controls ................................................ free
15. Doors ................................................. latched
16. Lights ................................................ as needed
17. Parking brake ................................... released

NORMAL
1. Flaps .................................................. set
2. Trim .................................................... aft of neutral
3. Accelerate to .......................... 45 to 55 KIAS
4. Control wheel ...... back pressure to rotate ...
to climb attitude

SHORT FIELD, OBSTACLE CLEARANCE
1. Flaps ............................... 25° (second notch)
2. Apply full power ...... before brake release
3. Accelerate to ................................. 52 KIAS
4. Control wheel ...... back pressure to rotate ...
to climb attitude
5. Maintain 52 KIAS ...... to obstacle clearance
6. Accelerate to ................................. 79 KIAS

SOFT FIELD
1. Flaps ............................... 25° (second notch)
2. Control wheel ...... back pressure to rotate ...
at slowest possible airspeed
3. Accelerate to 52 KIAS just above ground
   then climb out at 79 KIAS
4. Flaps ................................................. Retract slowly

CLIMB
1. Best rate (flaps up) .............................. 79 KIAS
2. Best angle (flaps up) .............................. 63 KIAS
3. En route ........................................... 87 KIAS
4. Electric fuel pump ..................................... OFF at desired altitude

CRUISING
1. Normal max power .................................. 75%
2. Power ............................................ set power per table
3. Mixture ............................................. adjust for best power
4. Lights ................................................. as needed

DE...