

Pre-Flight Inspection	
Cockpit	
Parking Brakes.....	SET
Hobbs/Tach.....	RECORD
Avionics Master.....	OFF
Battery.....	ON
Fuel Quantity.....	CHECK
Lights (Int. & Ext.).....	CHECK
Stall Warning.....	CHECK
Battery.....	OFF
Flaps.....	CHECK/UP
Trim.....	CHECK
Pitot/Static Drains.....	DRAIN/CLOSE
A/C Documents.....	ON BOARD
Right Wing	
Flap Hinges.....	CHECK
Aileron Hinges.....	CHECK
Wingtip.....	CHECK
Leading Edge.....	CHECK
Fuel Quantity.....	CHECK
Fuel Vent.....	CLEAR
Fuel Quick Drain.....	SAMPLE
Landing Gear/Tire.....	CHECK
Air Inlet.....	CHECK
Nose	
Engine Condition.....	CHECK
Oil Quantity.....	MIN. 6 QTS
Propeller/Spinner.....	CHECK
Alternator Belt.....	CHECK
Air Inlets.....	CLEAR
Nose Gear & Tire.....	CHECK
Fuel Strainer.....	SAMPLE
Left Wing	
Same as right wing. Also check pitot/static mast and stall warning horn.	
Fuselage and Empenage	
Antennas.....	CHECK
Air Inlet.....	CHECK
Stabilator & Trim.....	CHECK
Rudder.....	CHECK
Before Engine Start	
Parking Brake.....	SET
Battery.....	ON
Fuel Selector.....	FULLEST TANK
Engine Start	
Electric Fuel Pump.....	ON
Check Pressure then.....OFF	
Mixture.....	FULL RICH
Throttle.....	PUMP 3 TIMES
Prop Area.....	CLEAR!
Starter.....	ENGAGE
Throttle.....	800-1000 RPM
Engine Instruments.....	CHECK
After Start	
Alternator.....	ON
Oil Pressure.....	CHECK
Anti-Collision Lights.....	ON
Navigation Lights.....	ON

Avionics Master.....	ON
Radios.....	ON
Transponder.....	AS RQD
Circuit Breakers.....	IN
Annunciators.....	OUT
Mixture.....	LEANED FOR TAXI
Fuel Selector.....	FULLEST TANK
Before Taxi	
Seatbelts.....	FASTENED
Toe Brakes.....	CHECK
Run Up	
Brakes.....	SET
Mixture.....	FULL RICH
Throttle.....	2000 RPM
Engine Instruments.....	IN LIMITS
Magnetos (125 MAX / 50 DIFF).....	CHECK
Annunciators.....	TEST
Carb Heat.....	CHECK
Gyro Suction.....	IN LIMITS
Throttle.....	IDLE
RPM & Oil Pressure.....	IN LIMITS
Throttle.....	1000 RPM
Before Take Off	
Flight Controls.....	CHECK
Flight Instruments.....	SET
Radios.....	SET
Flaps.....	AS NEEDED
Trim.....	SET
Takeoff Briefing.....	COMPLETE
Door (UPPER LATCH).....	SECURED
Parking Brake.....	RELEASED
Electric Fuel Pump.....	ON
Mixture.....	FULL RICH
Landing Light.....	ON
Transponder.....	AS RQD
Time Off.....	NOTED
After Take Off	
Flaps (if used).....	RETRACT
Electric Fuel Pump.....	OFF
Landing Light.....	OFF
Cruise	
Throttle.....	AS RQD
Mixture.....	LEANED AS RQD
Approach	
Flight Instruments.....	CKD & SET
Radios.....	SET
Landing Light.....	ON
Electric Fuel Pump.....	ON
Mixture.....	FULL RICH
Fuel Selector.....	FULLEST TANK
Approach Briefing.....	COMPLETE
Seatbelts.....	FASTENED
After Landing	
Transponder.....	STANDBY
Electric Fuel Pump.....	OFF
Landing Light.....	OFF
Mixture.....	LEANED
Flaps.....	UP

Parking	
Avionics Master.....	OFF
Electric Equipment.....	OFF
Mixture.....	CUT-OFF
Alternator.....	OFF
Battery.....	OFF
Securing the Aircraft	
Hobbs/Tach.....	RECORD
Flight Controls.....	SECURE
Door & Window.....	SECURE
Tie-Downs.....	SECURE
V Speeds (in KIAS)	
V _R Rotate.....	59
V _X Best Angle.....	64
V _Y Best Rate.....	76
V _G Best Glide.....	76
V _A Maneuvering	
1634 lbs.....	89
Full Gross.....	113
V _{SO} Stall Dirty.....	49
V _S Stall Clean.....	55
V _{NO} Structural Cruising.....	125
V _{NE} Never Exceed.....	154
V _{FE} Flap Extension.....	102
Max Xwind.....	17
Hot Engine Start	
Throttle.....	1/2" OPEN
Battery.....	ON
Alternator.....	OFF
Electric Fuel Pump.....	OFF
Mixture.....	FULL RICH
Starter.....	ENGAGE
Throttle.....	1000 RPM
Oil Pressure.....	CHECK
Flooded Engine Start	
Throttle.....	FULL FORWARD
Battery.....	ON
Alternator.....	OFF
Electric Fuel Pump.....	OFF
Mixture.....	CUT-OFF
Starter.....	ENGAGE
Mixture (when engine fires).....	FULL RICH
Throttle.....	1000 RPM
Oil Pressure.....	CHECK
Engine Roughness	
Carb Heat.....	ON
<i>If roughness continues after one minute</i>	
Carb Heat.....	CUT-OFF
Mixture.....	ADJUST
Electric Fuel Pump.....	ON
Fuel Selector.....	OPPOSITE TANK
Engine Instruments.....	CHECK
Magnetos (125 MAX / 50 DIFF).....	CHECK
<i>If operation on either magneto is satisfactory, continue on that magneto at reduced power with mixture full rich. Land as soon as practical.</i>	

Engine Fire During Start	
Starter.....	ENGAGE
Mixture.....	CUT-OFF
Throttle.....	OPEN
Electric Fuel Pump.....	OFF
Fuel Selector.....	OFF
EVACUATE IF FIRE CONTINUES	
Engine Fire During Taxi	
Aircraft.....	STOP
Mixture.....	OFF
Fuel Selector.....	OFF
Alternator.....	OFF
Battery.....	OFF
EVACUATE AIRCRAFT	
Engine Fire Inflight	
Mixture.....	CUT-OFF
Fuel Selector.....	OFF
Glide.....	ESTABLISH
Landing Site.....	SELECT
Mayday.....	TRANSMIT
Door.....	CRACK OPEN
Magnetos.....	OFF
Alternator.....	OFF
Battery.....	OFF
Cabin Smoke/Fire Inflight	
Alternator.....	OFF
Battery.....	OFF
Electrical Equipment.....	OFF
Vents.....	OPEN
LAND AS SOON AS PRACTICAL.	
EMERGENCY	
121.5	
7700	
This checklist is to be used as a supplement to the checklist provided by the manufacturer.	
N43788 Piper Archer II PA28-181 Checklist	
Logansport/Cass County Airport Authority	