Preflight Ins	pection
Cockp	it
Parking Brake	Set
Hobbs/Tach	Check
Master Switch	On
Fuel QTY	Check
Lights/Stall Warning	Check
Electrical Equipment	Off
Master Switch	Off
Flaps	Down / Up
Trim	Check
Acft Documents	On Board

Engine Start	
Electric Fuel Pump	0
Magneto	Le
Prop Area	Clea
Starter	Engag
Throttle	1000 - 1200 RP
Magnetics	Bot
Oil Press.	Chec
Engine Instruments	Chec
Electric Fuel Pump	0

Engine Start		
lectric Fuel Pump	On	
Magneto	Left	
Prop Area	Clear!	
Starter	Engage	
Throttle	1000 - 1200 RPM	
Magnetics	Both	
Oil Press.	Check	
Engine Instruments	Check	
lectric Fuel Pump	Off	

	V-Speeds	(MPH)	
Vr	55-60	Va	129
Vx	74	Vfe	115
Vy	85	Vno	140
Climb	100	Vne	171
Vs1	63	Glide	(gross) 83
Vso	54	Max dem XW	17
Approac	h F/UP	8	5
Approac	h F/DN	7	6

Right Wing		
Flap Hinges	Check	
Alleron	Check Hinges	
Wingflip/Lights	Check	
Leading Edge	Clean	
Fuel Quantity	Check	
Fuel Vent	Clear	
Fuel Strainer	Sample	
Landing Gear/Tire	Check	
Air Inlet	Clear	

After Start	
Avionics	On
Nav Lights/ADSB	On
Radios	Set
Transponder	Altitude
Circuit Breakers	Check
Mixture	Leaned for Taxi
Fuel Pump	Off
Parking Brake	Release
Brakes Check	Working

s)		
	I	
	l	

After Tal	ceoff
1000 AGL Minimum	
Electric Fuel Pump / Landing Light	Off

Cru	uise
Pitch	Set
Throttle	As required
Trim	Set
Mixture	Adjust

Nose	
Engine Condition	Check
Oil Quantity	Check
Propeller & Spinner	Check
Alternator Belt	Check
Air Inlet	Clear
Landing Light	Check
Nose Gear & Tire	Check
Engine Condition (L)	Check
Fuel Strainer	Sample

Left Wing Same as Right Wing (in reverse) But

ADD pitot static mast and stall warning

light

Fuselage and Empenage

Before Start

Check

Check

Check

Check

Set

Fastened

Check

Cold/Off

1/4" Open

As Required

Lowest Tank

Rich

Or

Antennas

Air Inlet

Rudder

Stabilator & Trim

Parking Brake

Seats/Seat Belts

Circuit Breakers

Carburetor Heat

Mixture

Throttle

Fuel Selector

Master Switch/

Prime

Beacon

Before Run Up	
Flight Controls	Check
Flight Instruments	Check & Set
Radios	Set
Flaps	Check & Set
Trim	Set
Takeoff Briefing	Complete
Door & Window	Secured

Before Run Up	
ght Controls	Check
ght Instruments	Check & Set
dios	Set
ps	Check & Set
m	Set
keoff Briefing	Complete
or & Window	Secured

Run Up		
Parking Brakes	Set	
Fuel Pump	On	
Fuel Selector	Opposite Tank	
Mixture	Rich / As Required	
Throttle	2000 RPM	
Carb Heat	Check	
Magnetos	Check	
(max drop 175RPM / max diff. 50 RPM)		
Engine Gauges	In Limits	
Vacuum	(4.5-5.2) Check	
	(4.5 5.2) Check	
Ammeter	Check	
Throttle		
	Check	
Throttle	Check Low Idle	
Throttle Throttle	Check Low Idle 1000 RPM Released	
Throttle Throttle Parking Brake	Check Low Idle 1000 RPM Released	
Throttle Throttle Parking Brake Before Ta	Check Low Idle 1000 RPM Released	

On

Noted

Electric Fuel Pump

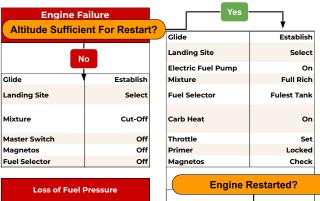
Clock

Approach	
Flight Instruments	Ckd & Set
Radios	Set / Chk ATIS
Carburetor Heat	As Required
Electric Fuel Pump /Landing Light	On
Mixture	Rich / As Required
Fuel Selector	Fullest Tank
Approach Briefing	Complete
Seat Belts	Fastened

After Landing	
Flaps	Up
Mixture	Leaned
Transponder	Altitude (ALT)
Landing Light	Off
Electric Fuel Pump	Off

Parking	
Avionics	Off
Electrical Equipment	Off
Throttle	1000 RPM
Magnetos	Check Off/On
Throttle	Low Idle
Mixture	Cut-Off
Master Switch	Off

Securing the Aircraft	
Hobbs / Tach	Record
Flight Controls	Secure
Door & Window	Secure
Tie-Downs	Secure
Master Switch	Off

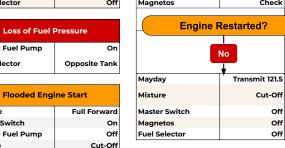


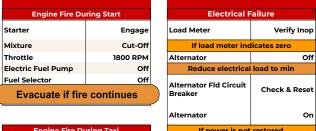
Engage

Full Rich

1000 RPM

Check





Alternator

Battery

Battery

Throttle	1/2" Open
Master Switch	On
Electric Fuel Pump	On
Mixture	Full Rich
Starter	Engage
Throttle	1000 RPM
Oil Pressure	Check

Hot Engine Start

Electric Fuel Pump

Fuel Selector

Throttle

Mixture

Starter

Master Switch

Mixture (when

engine fires) Throttle

Oil Pressure

Electric Fuel Pump

Engine Fire During Taxi	
Airplane	Stop
Mixture	Cut-Off
Fuel Selector	Off
Master Switch	Off
Evacuate Aircraft	

Carb Heat On		
If roughness continues after one minute:		
Carb Heat	Cut-Off	
Mixture	Adjust	
Electric Fuel Pump	On	
Fuel Selector	Opposite Tank	
Engine Instruments	Check	
Magnetos	Check	

If operation on either magneto is

satisfactory, continue on that magneto at reduced power with mixture full

rich, Land as soon as practical.

Engine Fire In Flight	
Mixture	Cut-Off
Fuel Selector	Off
Glide	Establish
Landing Site	Select
Mayday	Transmit 121.5
Magnetos	Off
Master Switch	Off

Cabin Fire In Flight	
Master Switch	Off
Electrical Equipment	Off
Vents	Open

Carburetor Icing	
Carb Hear	On
Mixture	Adjust

Alternator	On	
If power is not restored		
Alternator	Off	
Reduce electrical loads to a minimum, land as soon as practical.		
Electrical Overload		

Off

On

As Required

Spin Recovery

Rudder and Contol Wheel Neutral when rotation stops.

Leave fuel selector on present tank.

Land as soon as possible.

Loss of Oil Pressure / High Oil

Temperature

Land as soon as practical. Prepare for

imminent engine failure.

Throttle

Ailerons

Rudder

Pitch

Contol Wheel

Idle

Neutral Opposite dir of

rotation

Level

Full Forward

If alternator loads are reduced, reduce electrical loads to a minimum, land as soon as practical. Otherwise;	
Alternator	Of

Leave Battery on only if needed to power essential electrical equipment. Land as soon as practical.

PA-28-140 **CHECKLIST**

^{*} Use at your own risk. Refere to aircraft POH or AFM for more detailed information.*