Start - Runup PA28R-201 N9436C

Before Starting Engine

Safety Belts	ON
Circuit Breakers	IN
Radio Master	OFF
Electrical Equip	OFF
Flaps	UP
Fuel	FULLEST
Brakes	SET
Propellor	FORWARD
Master Switch	ON
Strobes/Beacon	ON
Fuel Pump	ON

Cold Start

Throttle	1/4 inch
Mixture	RICH 3 sec.
(until fuel flow, then IDLE)	
Prop Area	CLEAR
Starter	ENGAGE
Mixture	RICH on start
Throttle	1,000 RPM

Hot Start

Throttle	1/4 inch
Mixture	IDLE
Prop Area	CLEAR
Starter	ENGAGE
Mixture	RICH on start
Throttle	1,000 RPM

Flooded Start

Fuel Pump	OFF
Throttle	FULL
Mixture	IDLE
Prop Area	CLEAR
Starter	ENGAGE
Mixture	RICH on start
Throttle	1,000 RPM

Before Taxi

Oil Pressure	GREEN
Fuel Pump	OFF
Lights	AS REQ
Gear Lights	CHECK
Radio Master	ON/CHECK
Transponder	STANDBY
Brakes	CHECK

Pre Takeoff - Runup

Controls	CHECK
Instruments	CHECK
Fuel	FULLEST
Throttle	2000 RPM
Magnetos	CHECK
< 175 RPM drop each	
< 50 RPM between	
Propellor	CYCLE x3
RPM drop	
Manifold increase	
Oil pressure drop	
Alternate Air	CHECK
Vacuum	4.8-5.1
Oil Temp	GREEN
Oil Pressure	GREEN
Fuel Pump	OFF
Fuel Pressure	CHECK
Fuel Pump	ON
Throttle	1000 RPM
Ammeter	CHECK
Annunciator Lights	PRESS to test

WVI CTAF	122.8
WVI ASOS	132.27
WVI ELEVATION	163 feet

Takeoff - Landing PA28R-201 N9436C

Before Takeoff

Safety Belts	ON
Door/Window	LATCH
Auto-pilot	OFF
Flaps	SET
Trim	SET
Lights	ON
Fuel Pump	ON
Transponder	ALTITUDE
Propellor	HIGH RPM
Mixture	RICH

Normal Takeoff

Rotate	65-75
Gear	UP
Climb V_y	90

At 1000' AGL

Throttle	25"
Propellor	2500RPM
Climb enroute	104

Top of Climb

Manifold press	SET
Propellor	SET
Fuel Pump	OFF
Mixture	SET
Landing Light	OFF
Gauges	GREEN

Before Landing

Auto-pilot	OFF
Landing Light	ON
Fuel Pump	ON

Gas	FULLEST
Undercarriage	3 GREEN
Mixture	SET
Propellor	SET
Seat belts	ON

Flaps	< 103
Final Approach	75

After Landing

Flaps	UP
Fuel Pump	OFF
Lights	As Req.
Transponder	STBY

Engine Shutdown

Radio Master	OFF
Lights	OFF
Mixture	CUTOFF
Magnetos	OFF
Master Switch	**OFF**
Hobbs Meter, Tach	**RECORD**
Tiedown, chocks, cover	**INSTALL**

V_x - gear down	72
V_y - gear down	78
V_x - gear up	78
V_y - gear up	90
V_{ldmax} - Best Glide	79
V_{fe} - Flaps Extend	103
Landing Gear Retract	107
Landing Gear Extend	129
Demonstrated x-wind	17

Emergency Gear Extension

Panel lights - daytime	OFF
Gear indicator bulbs	CHECK
Airspeed	< 87
Gear selector **	DOWN
Emergency gear lever	DOWN

***** for emergency practice**, pull gear pump breaker, gear selector* UP *until emerg 3 green, then* DOWN, *breaker in*