

BEFORE TAKEOFF		AFTER LANDING	
Brakes	HOLD	Runway	EXIT REPORT
Cabin Doors/Windows*	CLOSED/LOCKED	Lights (Landing light off)	AS REQUIRED
Flight Controls*	FREE/CORRECT	Carb Heat	OFF
Elevator Trim*	TAKEOFF	Flaps	UP
Flaps*	UP (NORM T.O.)	Mixture	LEAN AS REQ.
Fuel Selector*	BOTH	Transponder	STDBY
Mixture*	FULL RICH (< 3000')	Pitot Heat	OFF
Throttle	1700 RPM	ENGINE SHUT DOWN	
Engine Instruments*	CHECK	Electrical & Lights	OFF
Suction Gauge	CHECK (4.6-5.4)	Avionics Master	OFF
Magnetos	CHECK	Throttle Set	1000 rpm
	<i>125 rpm max drop, 50 rpm max diff.</i>	Mixture	IDLE CUT OFF
Carb Heat	CHECK <i>for rpm drop</i>	Ignition Switch	OFF
Throttle	IDLE THEN SET 1000 RPM	Master Switch	OFF
Flight Instruments*	CHECK	Control Lock	INSTALL
Radios*	SET	Hobbs & Tach Time	RECORD
Pitot Heat*	AS REQUIRED	Pitot Tube Cover	SECURE
Landing Light*	AS REQUIRED	Tie Downs & Wheel Chocks	SECURE
Transponder*	ALT	Post Flight Inspection	COMPLETE
Departure Brief*	COMPLETE		
*Required items for stop and go.		V-SPEEDS (MPH)	
TAKEOFF		Stall Speed Normal Landing	VSO 49
Time	NOTE	Clean Stall Speed	VS1 57
Rotate	60 MPH	Rotation Speed	VR 60
Climb	82 MPH until 1000 AGL min	Best Angle of Climb	VX 70
		Best Rate of Climb	VY 82
		Maneuvering Speed	VA 122
		Max. Flap Speed	VFE 100
		Max. Normal Operating Speed	VNO 140
		Never Exceed Speed	VNE 174
		BEST GLIDE	80
		Max Cross Wind	15 kts
CLIMB		TAKEOFF/LANDING SPEEDS	
Airspeed	90 MPH cruise climb	Normal Take-off	FLAPS UP CLIMB AT Vy
Mixture	LEAN ABOVE 3000' FOR MAX RPM	Short Field Take-off	FLAPS UP CLIMB AT Vx UNTIL CLR OF OBST.
		Soft Field Take-off	FLAPS 10° LIFT OF AT MIN FLY SPD, ACCL. In GND EFFECT TO Vx Then NORM CLMB OUT
		Normal Landing	30-40°@ 65-70MPH
		Short Field Landing	FULL FLAPS/65 MPH
		No Flap Landing	75 MPH
		WARNING: Do not forward slip with >30° flaps.	
		NOTE: Only switch fuel tanks in level cruise flight.	
CRUISE		KAWO INFO	
Mixture	LEAN ABOVE 3000'	AWOS	425-435-8045 135.625
Heading Indicator	CHECK/ADJUST	CTAF/UNICOM	122.7
Landing Light	OFF	Seattle FSS	206-767-2726 122.55
		Seattle ARTCC	128.5
		Emergency Frequency	121.5
DESCENT			
Fuel Selector	BOTH		
Mixture	FULL RICH		
Altimeter	SET		
BEFORE LANDING			
Seats, Belts, Harness	SECURE		
Fuel Selector	BOTH		
Mixture	FULL RICH		
Carb. Heat	ON		
Flaps	AS REQUIRED		
Normal Final	FLAPS 30-40°@ 65-70MPH		