## Pitts Special S2S Quick Reference Checklist

QUICK RETERENCE UNECKIIST  For simulation use only, not for real world flight	
PREFLIGHT	CRUISE
Ignition Switch OFF	Power19-20 In. Hg, 2200-2300 RPM (No more than 75% power)
Master SwitchOFF	Elevator Trim
Control Surfaces	Mixture LEAN
BEFORE STARTING ENGINE	Cowl Flaps
Preflight Inspection	DESCENT
Canopy	Power
Brakes TEST and ON	MixtureENRICHEN AS REQUIRED
Cowl Flaps OPEN	Cowl Flaps
Circuit Breakers IN	BEFORE LANDING
Fuel Selector	Fuel SelectorCHECK ON
STARTING ENGINE - COLD	Mixture RICH below 5000 MSL
Mixture	Propeller HIGH RPM
Propeller	NORMAL LANDING
Throttle	Airspeed
Master SwitchON	Trim
Boost Pump	TouchdownTAIL WHEEL FIRST
Mixture	Elevator Control
Starter Switch	Braking MINIMUM REQUIRED
Mixture When engine starts, move slowly to FULL RICH	BALKED LANDING
Oil Pressure	Power FULL THROTTLE (2700 RPM)
Alternator Field Switch ON	Climb Speed
	Cowl Flaps OPEN
STARTING ENGINE - HOT	
Mixture	AFTER LANDING
Propeller	Cowl Flaps OPEN
Throttle	SECURING AIRPLANE
Master SwitchON	ThrottleIDLE
Starter Switch ON (Start)	Avionics OFF
Mixture When engine starts, move slowly to FULL RICH Throttle	Mixture
	Ignition Switch OFF
Oil Pressure       CHECK         Alternator Field Switch       ON	Master SwitchOFF
	Alternator Field Switch OFF
BEFORE TAKEOFF	
Canopy CHECK LOCKED	
Brakes	
Flight Controls FREE and CORRECT	
Flight Instruments	
Fuel SelectorON	
Mixture	
Elevator Trim	
Throttle	
PropellerCycle high to low RPM, return to high RPM	
Throttle	
MagnetosCHECK (RPM drop should not exceed 175 RPM on either	
magneto or 50 RPM differential between magnetos)	
Engine Instruments	
Ammeter CHECK	
Avionics ON and SET	
TAKEOFF	
FULL TUDOTTLE 2700 DDM	

EN ROUTE CLIMB

## Emergency Procedures Checklist For simulation use only, not for real world flight

For simulation use only,	not for real world flight
AIRSPEEDS FOR EMERGENCY OPERATION	ENGINE FIRE IN FLIGHT
Engine Failure After Takeoff95 MPH	Mixture
Maneuvering Speed	Fuel Selector Valve OFF
Maximum Glide Speed	Master SwitchOFF
Precautionary Landing With Engine Power	Airspeed
Landing Without Engine Power95 MPH	Forced Landing
ENGINE FAILURE DURING TAKEOFF RUN	ELECTRICAL FIRE IN FLIGHT
Throttle IDLE	Master SwitchOFF
Brakes	All Avionics Switch OFF
MixtureIDLE CUT-OFF	Vents/Cabin Air
Ignition Switch OFF	Fire Extinguisher ACTIVATE
Master SwitchOFF	If fire appears out and electrical power is necessary for continuance of
ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF	flight:
Airspeed	Master SwitchON
Mixture	Circuit Breakers
Fuel Selector Valve	Radio/Electrical Switches ON one at a time with delay
Ignition Switch OFF	Vents/Cabin Air OPEN when fire is extinguished
Master SwitchOFF	INADVERTENT ICING ENCOUNTER
ENGINE FAILURE DURING FLIGHT	Turn back or change altitude
Airspeed	Increase engine speed
Fuel Selector Valve	Watch for signs of air intake ice and apply alternate air as required
Fuel Boost PumpON	Plan a landing at the nearest airport
Mixture	With ice accumulation be prepared for significantly higher stall speed
Ignition Switch	Approach at 110 to 115 MPH depending upon the amount of ice accu-
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EMERGENCY LANDING WITHOUT ENGINE POWER	Touchdown tail wheel first
Airspeed	STATIC SOURCE BLOCKAGE
MixtureIDLE CUT-OFF	Alternate Static Source Valve
Fuel Selector Valve	Airspeed
Ignition Switch OFF	Altitude Consult placard and ADM Sect 2
Canopy JETTISON (at pilot's option)  Master Switch OFF, when landing is assured	
TouchdownTAIL WHEEL FIRST	
Brakes	
PRECAUTIONARY LANDING WITH ENGINE POWER	
Airspeed	
Selected FieldFLY OVER, noting terrain and obstructions	
Electrical Switches	
Airspeed	
Canopy JETTISON (at pilot's option) Master Switch OFF	
TouchdownTAIL WHEEL FIRST	
Ignition Switch OFF Brakes AS NEEDED	
DITCHING  MAYDAY - 101 F MH - 101	
RadioMAYDAY on 121.5 MHz giving location and intentions	
Power ESTABLISH 300 FT/MIN DESCENT AT 95 MPH	
Approach:	
High Winds, Heavy SeasINTO THE WIND Light Winds, Heavy SwellsPARALLEL TO SWELLS	
Canopy JETTISON (at pilot's option)	
Touchdown LEVEL ATTITUDE	
Airplane EVACUATE	
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FIRE DURING START ON GROUND	
Cranking CONTINUE (Do not use boost pump, mixture IDLE	
CUT-OFF, fuel selector OFF) MixtureIDLE CUT-OFF	
Engine:  Master SwitchOFF	
Ignition Switch OFF	
Fuel Selector OFF	
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Fire.....EXTINGUISH