

PRE TEST FLIGHT INSPECTION

A/C SERIAL # _____

A.116-2001

DATE: _____

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Sig: _____ Date: _____

Pre Test Flight Inspection

		CONDITION	INSPECTOR
Wire Connections/clearance	regulator / starter		
	spark plugs		
	fuel pump		
	oil pressure sensor		
	fuel pressure sensor		
	sharp edges clearance		
	control column clearance		
Fuel System	fuel tank installation		
	fuel cap vented/safety plate for wing tanks		
	ground strap		
	drains		
	firewall forwards line clearances		
	gas collator + safety wire		
	gas on/off valve		
	all hoses		
Controls	all fuel connection parts		
	free movement / up / down		
	free movement/ left / right		
	control cable pulley / safety tie / cotter pins		
Air system	electrical interference		
	vacuum pump		
	carb heat		
Instruments	cabin heat		
	standard system		
Canopy	optional system		
	Latches		
	Gas struts		
	Pitot Static		
	Placards in place		
	Instrument markings		
	ELT Installed		
	Fire Extinguisher		
	Foreign Object Check		
	Antennas		
First Aid kit + scissors			

Pre Test Flight Inspection (continued)

		CONDITION		INSPECTION	
Electric Trim	electrical connections				
	safety wire bolts				
	travel clearance / fuselage				
	electric cables				
	neutral position / position indicator				
	max / min deflections				
			up	down	
Aileron	clearance on gap cover (top of wing)				
	rod end aileron + bellcrank				
	rod end witness holes aileron + bellcrank				
	deflection with full control movement				
	bellcrank tolerances				
	bellcrank bolts				
	control cables at bellcrank				
Flap	piano hinge safety o/b+i/b+L&R				
	clearance on fuselage				
	clearance on rear attachment				
	clearance with aileron				
	travel is symmetrical + max/min deflection				
	witness holes on rod ends				
	electrical connections				
	indicator functioning				
	indicator limits				
	flap motor installation				
Engine installation & safeties	piano hinge safety o/b+i/b+L&R				
	motor mounts & bolts				
	oil level				
	cotter pin on engine bolts				
	engine baffles				
	air box / filter / safety bolts to carb				
	fuel system				
	electrical system				
	oil system				
	propeller and spinner				
	engine ground wire				
	engine mount				
	muffler system				
	cowl / top + bottom				
	controls				
	Freedom of Control Movement	throttle			
		fuel mixture			
cabin heat					
carb heat					

Pre Test Flight Inspection (continued)

		CONDITION		INSPECTION	
Nose Wheel	bungee installation				
	bungee retainer safety pinned				
	greased				
	lock nuts in place				
	tire pressure				
	rod ends				
	rod end witness holes				
	rudder pedals/firewall clearance/movement				
		left	right		
Main wheels	wheels				
	tire pressure left				
	tire pressure right				
	pins + safety tie				
	brake system / clearance				
	brake hose & bleeding				
	brake caliper bolts safety tied				
	fairing & brackets				
	master/slave brake cylinders				
Rudder	rudder freedom of movement				
	clevis				
	cables				
	bolts, nuts, washers, cotter pins				
	deflection				
			left	right	
	turn buckles & cables & safe ties & cables				
	deflections/ stops				
	electrical wire freedom				
	rudder ground strap & washer				
	cable freedom in fuselage				
Elevator	freedom of movement				
			up	down	
	clevis				
	turnbuckles & cables & safe ties & cables				
	cable freedom in fuselage				
	cables up / down				
	turn buckles				
	elevator ground strap & washer				
	deflections / stops				
	freedom of movement				

Pre Test Flight Inspection (continued)

AFTER PAINTING:	CONDITION	INSPECTION
CHECK FOR:		
PAINT ON TOP OF FLAPS		
CONTAMINANTS IN PITOT STATIC		
CONTROL TURNBUCKLES CHANGED?		
CONTROL BOLTS & SAFETIED		
SILICONE AROUND RAIN CHANNELS & GLUE IN SEALS		
LUBRICATION OF HINGES & HINGE POINTS		
INSTALLATION OF WHEEL PANTS		
SILICONE AROUND RAIN CHANNELS		
WING TO FUSELAGE TRIM INSTALLED		
FUNCTION TESTS OF:		
GAUGES		
STROBES/NAV. LIGHTS		
LANDING LIGHTS		
CABIN LIGHTS		
STALL WARNING		
INSTRUMENTS		
VISUAL INSPECTION:		
CHAFF INSIDE AIRPLANE		
FOREIGN OBJECTS UNDER COWLING		
FOREIGN OBJECTS ON REAR FUSELAGE		
FOREIGN OBJECTS INSIDE FUSELAGE		
BRAKE HOSES AND CALIPERS		
LUBRICATION OF HINGES & HINGE POINTS		
DEFLECTIONS OF RUDDER		
AILERON		
HORIZONTAL TAIL		
TRIM TAB		
FLAP		
INSTALLATION OF WHEEL PANTS		
OPTION ONLY		
INSTALLATION OF AVIONICS		
LOG BOOK ENTRIES BY INSTALLER		
NEW WEIGHT & BALANCE		