

AIRCRAFT INFORMATION

WORK ORDER INFORMATION

Registration: _____	Date: _____
Make and Model: _____	Work Order Number: _____
Serial Number: _____	Base Location: _____
Owner Name: _____	AME Name: _____

PRE-INSPECTION

Perform oil quantity check	
Start Aircraft per AFM / POH and check engine performance - during the ground run, run the engine in accordance with the manufacturer's recommendation to determine satisfactory performance of the following: a) Idle _____ RPM and Maximum _____ RPM; b) Magneto drop L/H _____ RPM and R/H _____ RPM; c) Fuel _____ and Oil _____ Pressures; d) Cylinder _____ and Oil _____ Temperatures;	
Perform Mechanical Tachometer accuracy inspection (CAR Std. 625 App. 'C')	

FUSELAGE & HULL GROUP

Inspect structure for deterioration, distortion, evidence of failure and defective or insecure attachment of fittings	
Inspect systems and components for improper installation, apparent defects and unsatisfactory operation	
Ensure external data plate is present, accurate and legible (US Registered A/C only)	
Lubricate in accordance with the manufacturer's recommendations	

CABIN & COCKPIT GROUP

Remove or open all necessary inspection plates, access doors and fairings	
Inspect for dirt and loose equipment that might foul the controls	
Inspect seats and seat belts for poor condition, fraying, and any other apparent defects	
Inspect windows and windshields for deterioration and breakage	
Inspect instruments for poor condition, mounting, marking and, where practicable, for improper operation	
Inspect flight and engine controls for improper installation and improper operation	
Inspect batteries for improper installation and improper charge	
Inspect all systems for improper installation, poor general condition, apparent and obvious defects and insecurity of attachment	
Inspect placards for missing and illegible mandatory placards	
Inspect and recertify First Aid Kit (CAR Std. 625 App. 'C')	

CABIN & COCKPIT GROUP CONT.

Inspect and recertify Fire Extinguisher (CAR Std. 625 App. 'C')	
Lubricate in accordance with the manufacturer's recommendations	
Install or close all inspection plates, access doors and fairings	

ENGINE(S) & NACELLE GROUP

Remove or open all necessary inspection plates, access doors, fairings and cowlings	
Leaks - inspect for oil, fuel or hydraulic leaks	
Studs and nuts - inspect for defects, evidence of improper torque and safety locking	
Cylinder compression - check: Left: (1) ___/80 (2) ___/80 (3) ___/80 (4) ___/80 (5) ___/80 (6) ___/80 Right: (1) ___/80 (2) ___/80 (3) ___/80 (4) ___/80 (5) ___/80 (6) ___/80 * If compression test indicates problems, check internal condition and tolerances	
Screens and sump drain plugs - check for metal particles or foreign matter	
Engine mounts - inspect for cracks, looseness of mounting and looseness of engine to mount	
Flexible vibration dampeners - inspect for poor condition and deterioration	
Engine controls - inspect for defects, improper travel and improper safety locking	
Lines, hoses and clamps - inspect for leaks, improper condition, age and looseness.	
Exhaust stacks - inspect for cracks, defects and improper attachment	
Accessories - inspect for apparent defects in security of mounting	
Check time in service of magnetos. Recommended 500 hr inspection interval	
All systems - inspect for improper installation, poor general condition, defects and insecure attachment	
Cowlings - inspect for cracks and other defects	
Internal corrosion - inspect engines which have not been inhibited and have been out of service in excess of 12 months	
Lubricate in accordance with the manufacturer's recommendations	
Install or close all inspection plates, access doors, fairings and cowlings	

LANDING GEAR GROUP

Remove or open all necessary inspection plates, access doors and fairings	
Inspect for condition and security of attachment	
Shock absorbing devices - check oleo fluid level	
Linkage, trusses and members - inspect for undue or excessive wear, fatigue and distortion	
Retracting and locking mechanism - inspect for improper operation	

LANDING GEAR GROUP CONT.

Hydraulic lines - inspect for leakage	
Electrical system - inspect for chafing and improper operation of switches	
Wheels - inspect for cracks, defects and condition of bearings	
Tires - inspect for wear, cuts and incorrect inflation; inspect for improper installation and improper operation	
Brakes - inspect for improper adjustment	
Floats and skis - inspect for insecure attachment and apparent defects	
Lubricate in accordance with the manufacturer's recommendations	
Install or close all inspection plates, access doors and fairings	

WING & CENTER SECTION ASSEMBLY

Remove or open all necessary inspection plates, access doors and fairings	
Inspect structure for general condition, deterioration, distortion, evidence of failure and insecurity of attachment	
Check flight controls and cables for correct travel and cable tensions	
Lubricate in accordance with the manufacturer's recommendations	
Install or close all inspection plates, access doors and fairings	

EMPENNAGE ASSEMBLY

Remove or open all necessary inspection plates, access doors and fairings	
Inspect structure for general condition, deterioration, distortion, evidence of failure, insecure attachment, improper component installation and improper component operation	
Check flight controls and cables for correct travel and cable tensions	
Lubricate in accordance with the manufacturer's recommendations	
Install or close all inspection plates, access doors and fairings	

PROPELLER GROUP

Remove spinner and inspect for cracks and wear	
Propeller hub assembly - inspect for cracks, nicks, binding and oil leakage	
Bolts and nuts - inspect for evidence of improper torque and compromised safety locking	
Anti-icing devices - inspect for improper operation and defects, paying particular attention to: <ul style="list-style-type: none"> a) Slip ring for excessive wear and gouges b) De-ice boots for cuts, gouges and adherence c) Connections and harness for tightness 	

PROPELLER GROUP CONT.

Control mechanisms - inspect for improper operation, insecure mounting and improper range of travel	
<p>Metal blades - inspect for:</p> <ul style="list-style-type: none"> a) Cracks, nicks, external corrosion, dents, scratches, bends, erosion and loss of protective finish b) Evidence of lightning or object strike c) Correct track, excessive rotational and end play 	
Perform 5 year detailed corrosion and dimension inspection (CAR Std. 625 App. 'C')	
<p>Wooden and composite blades – inspect for:</p> <ul style="list-style-type: none"> a) Cracks, bruises, scars, warping, evidence of glue failure and delamination b) Correct track, excessive rotational and end play c) Attachment bolt tightness 	
Check for evidence or presence of vibration	
Lubricate in accordance with the manufacturer's recommendations and install the spinner	

RADIO & AVIONICS GROUP

Remove or open all necessary inspection plates, access doors and fairings	
Radio and electronic equipment - inspect for improper installation and insecure mounting	
ELT - Performance check (CAR Std. 625 App. 'C')	
ELT - Replace battery as per manufacturers recommendations (CAR Std. 625 App. 'C') Next Due: _____	
Altimetry devices and ATC Transponder 24 month recertification (CAR Std. 625 App. 'C')	
Wiring and conduits - inspect for improper routing, insecure mounting and apparent defects	
Bonding and shielding - inspect for improper installation and poor condition	
Antennas, including trailing antennas - inspect for poor condition, insecure mounting and improper operation	
Install or close all inspection plates, access doors and fairings	

TECHNICAL RECORDS & AIRCRAFT DOCUMENTATION

Enter details of all deficiencies found in the aircraft technical records	
Query owner on AD status and remind them of their responsibilities related to AD compliance	
<p>Remind owner that the following items must be current and are required to be carried on board the aircraft:</p> <ul style="list-style-type: none"> a) Certificate of Registration b) Certificate of Airworthiness c) Weight & Balance Report d) Equipment List e) Aircraft Flight Manual (or POH as applicable) f) Proof of Insurance 	

COMPASS CARDS

FOR	STEER	FOR	STEER
N		S	
030		210	
060		240	
E		W	
120		300	
150		330	
DATE: / /			
SIGN:			

FOR	N	030	060	E	120	150
STEER						
FOR	S	210	240	W	300	330
STEER						
DATE: / / SIGN:						

FIRE EXTINGUISHER & FIRST AID KIT RECERTIFICATION TAGS

	SERVICEABLE	
Part Number: _____ TTSN: _____		
Serial Number: _____ TTSO: _____		
Description: <u>First Aid Kit</u>		
Manufacturer: _____ Model/Type: _____		
Previous Certification: _____ Work Order: _____		
New <input type="checkbox"/> Tested <input type="checkbox"/> Overhauled <input type="checkbox"/> Repaired <input type="checkbox"/> Modified <input type="checkbox"/> Inspected <input type="checkbox"/> <i>"The maintenance described has been performed IAW the applicable standards of airworthiness"</i>		
Signature	License Number	Date

	SERVICEABLE	
Part Number: _____ TTSN: _____		
Serial Number: _____ TTSO: _____		
Description: <u>Fire Extinguisher</u>		
Manufacturer: _____ Model/Type: _____		
Previous Certification: _____ Work Order: _____		
New <input type="checkbox"/> Tested <input type="checkbox"/> Overhauled <input type="checkbox"/> Repaired <input type="checkbox"/> Modified <input type="checkbox"/> Inspected <input type="checkbox"/> <i>"The maintenance described has been performed IAW the applicable standards of airworthiness"</i>		
Signature	License Number	Date

Part Number: _____ TTSN: _____ Serial Number: _____ TTSO: _____ Description: _____ Manufacturer: _____ Model/Type: _____ Previous Certification: _____ Work Order: _____ New <input type="checkbox"/> Tested <input type="checkbox"/> Overhauled <input type="checkbox"/> Repaired <input type="checkbox"/> Modified <input type="checkbox"/> Inspected <input type="checkbox"/> <i>"The maintenance described has been performed IAW the applicable standards of airworthiness"</i>	SERVICEABLE
Signature _____ License Number _____ Date _____	

Part Number: _____ TTSN: _____ Serial Number: _____ TTSO: _____ Description: _____ Manufacturer: _____ Model/Type: _____ Previous Certification: _____ Work Order: _____ New <input type="checkbox"/> Tested <input type="checkbox"/> Overhauled <input type="checkbox"/> Repaired <input type="checkbox"/> Modified <input type="checkbox"/> Inspected <input type="checkbox"/> <i>"The maintenance described has been performed IAW the applicable standards of airworthiness"</i>	SERVICEABLE
Signature _____ License Number _____ Date _____	

Part Number: _____ TTSN: _____ Serial Number: _____ TTSO: _____ Description: _____ Manufacturer: _____ Model/Type: _____ Previous Certification: _____ Work Order: _____ New <input type="checkbox"/> Tested <input type="checkbox"/> Overhauled <input type="checkbox"/> Repaired <input type="checkbox"/> Modified <input type="checkbox"/> Inspected <input type="checkbox"/> <i>"The maintenance described has been performed IAW the applicable standards of airworthiness"</i>	SERVICEABLE
Signature _____ License Number _____ Date _____	