AIRPLANE SERIAL NUMBER	REGISTRATION NUMBER	ENGINE SERIAL NUMBER	PROPELLER SERIAL NUMBER

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 1 of 8)

WARNING: FAILURE TO CONSULT APPLICABLE VENDOR PUBLICATION(S), WHEN SERVICING OR INSPECTING VENDOR EQUIPMENT INSTALLED IN PIPER AIRCRAFT, MAY RENDER THE AIRCRAFT UNAIRWORTHY. (SEE SERVICE MANUAL - INTRODUCTION - SUPPLEMENTARY PUBLICATIONS.)

NOTE: Review Notes 1, 2, 3, and 4, before beginning this event.

PROPELLER, ROUTINE

WARNING: USE EXTREME CAUTION WHEN ROTATING PROPELLER BY HAND; PROPELLER MAY KICK BACK. PRIOR TO ROTATING PROPELLER ENSURE BOTH MAGNETO SWITCHES ARE OFF (GROUNDED). IF MAGNETOS ARE NOT GROUNDED, TURNING PROPELLER MAY START ENGINE.

[ ] 1. Inspect spinner and backplate for cracks, dents, missing screws, and security.
[ ] 2. Inspect blades for nicks and cracks.
[ ] 3. If constant speed propeller installed, inspect for grease and oil leaks.

ENGINE, ROUTINE

WARNING: IF MAGNETOS ARE NOT GROUNDED, TURNING PROPELLER MAY START ENGINE. USE EXTREME CAUTION WHEN ROTATING PROPELLER BY HAND; PROPELLER MAY KICK BACK. PRIOR TO ROTATING PROPELLER ENSURE BOTH MAGNETO SWITCHES ARE OFF (GROUNDED).

NOTE: Read Note 5 prior to completing this group.

[ ] 1. Remove engine cowling and inspect for internal and external damage.
[ ] 2. Drain oil sump.
[ ] 3. Clean suction oil strainer at oil change. Inspect strainer for foreign particles.
[ ] 4. Clean pressure oil strainer or change full-flow (cartridge-type) oil filter element. Inspect strainer or element for foreign particles. (See Note 6.)
[ ] 5. Inspect oil lines and fittings for leaks, security, chafing, dents and cracks.
[ ] 6. Fill engine with oil per information on cowling or in Lubrication Chart, Section II.
[ ] 7. Inspect spark plug cable leads and ceramics for corrosion and deposits.
[ ] 8. Inspect rocker box covers for evidence of oil leaks. If found, replace gasket; torque cover screws 50 inch-pounds.
[ ] 9. Remove air filter and clean per Paragraph 7-19 or 7A-16, as appropriate. Replace as required.
[ ] 10. Inspect air induction system for leaks, security and damage; repair or replace as required.
[ ] 11. Drain carburetor and clean inlet line fuel strainer or clean fuel injector inlet line strainer. (Clean injector nozzles as required.) (Clean with acetone only.)
[ ] 12. Inspect primer lines for leaks and security of mounting.
[ ] 13. Inspect vent lines for evidence of fuel or oil leakage; if present, inspect fuel pump.
[ ] 14. Inspect exhaust stacks, connections, and gaskets. Replace gaskets as required.
[ ] 15. Check fluid in brake reservoir. Fill as required.
[ ] 16. Install engine cowling.

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 2 of 8)

CABIN AND COCKPIT, DETAILED

[ ] 1. Inspect cockpit and cabin doors, latches, hinges, and windows, and aft baggage compartment door, latch, and hinge for damage, operation and security.
[ ] 2. Inspect windows for scratches, crazing, and condition.
[ ] 3. Check window and door seals for deterioration, cracks, and voids.
[ ] 4. Inspect upholstery for tears.
[ ] 5. Inspect seats and attaching brackets and hardware for condition, security, and operation. (See Note 20.)
[ ] 6. Inspect seat belts and shoulder harnesses per Section XIII, Restraint System
[ ] 7. Inspect trim control operation.
[ ] 8. Inspect condition and operation of rudder pedals and rudder bar assembly. (See Note 18.)
[ ] 9. Inspect parking brake valve and brake handle for operation and cylinder leaks.
[ ] 10. Inspect control wheels, column, pulleys, cables, turnbuckles, and fittings. (See Notes 10 and 21.)
[ ] 11. Perform Flap Control Cable Attachment Bolt Inspection. (See Section III, Special Inspections, Procedures, and Note 10.)
[ ] 12. Inspect landing, navigation, strobe, cabin and instrument lights for operation, condition and security.
[ ] 13. Inspect instruments, avionics, lines, and attachments.
[ ] 14. Inspect gyro-operated instruments and electric turn and bank. Overhaul or replace as required.
[ ] 15. Replace vacuum regulator filter.
[ ] 16. Inspect static system, altimeter and transponder for installation/certification per latest revision of AC43.13-1 and current test/inspection per FAR's 91.411 and 91.413, respectively.
[ ] 17. Inspect and test ELT per FAR 91.207. (See Testing ELT, Section XI.)
[ ] 18. Inspect operation of fuel selector valve. (See Note 29.)
[ ] 19. Inspect fuel valve drain lever cover for security. Verify door opens and closes freely and prevents operation of lever when closed.
[ ] 20. Inspect condition of heater controls and ducts.
[ ] 21. Inspect condition and operation of air vents.
[ ] 22. If installed, inspect condition of air conditioning ducts.
[ ] 23. If installed, remove and clean air conditioning evaporator filter.
[ ] 24. If installed, inspect portable fire extinguisher minimum weight as specified on nameplate.

FUSELAGE AND EMPENNAGE, DETAILED

[ ] 1. Remove inspection plates and panels.
[ ] 2. Inspect aft wing attach fittings per Aft Wing Attach Fittings 100 Hour Inspection. (See Section III, Special Inspections, Procedures.)
[ ] 3. Inspect fwd baggage door, latch and hinge for damage, operation and security.
[ ] 4. Inspect battery, box and cables. Flush and clean area as required and fill battery per instructions on box and in Electrical System, Section X.
[ ] 5. Inspect electronic installations for condition and security.
[ ] 6. Inspect skins, bulkheads, frames, and stringers for damage, irregularities, or structural defects (i.e. - skin cracks, distortion, dents, corrosion and loose or missing rivets).
[ ] 7. Inspect condition and security of antennas, mounts, and wiring.
[ ] 8. If installed, inspect air conditioning system for refrigerant leaks. (See Note 8.)
[ ] 9. If installed, inspect refrigerant level in sight gauge of receiver-dehydrator.

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 3 of 8)

FUSELAGE AND EMPENNAGE, DETAILED (CONT.)

[ ] 10. If installed, inspect air conditioner condenser air scoop for condition and rigging. (See Note 12.)
[ ] 11. Inspect fuel lines, valves, and gauges for damage and operation.
[ ] 12. In PA-32-260 only, clean screens in fuel pumps.
[ ] 13. Remove, drain and clean fuel strainer bowl, located in the bottom of selector valve.
[ ] 14. Inspect security of all lines.
[ ] 15. Inspect vertical fin for surface damage or irregularities (i.e. - skin cracks, distortion, dents, corrosion, and excessive paint build up); structural defects (i.e. - loose or missing rivets); misrigging or structural imbalance; excessive wear, and attachment points for missing or worn hardware.
[ ] 16. Inspect vertical fin attachments for security.
[ ] 17. Inspect rudder for surface damage or irregularities (i.e. - skin cracks, distortion, dents, corrosion, and excessive paint build up); structural defects (i.e. - loose or missing rivets); misrigging or structural imbalance; hinge damage, excessive wear, freedom of movement and proper lubrication; and attachment points for missing or worn hardware.
[ ] 18. Inspect rudder horn and attachments for damage, security, and operation.
[ ] 19. Inspect rudder control stops to ensure stops have not loosened and locknuts are tight.
[ ] 20. Inspect rudder hinge bolts for excess wear. Replace as required.
[ ] 21. Inspect stabilator and trim tab for surface damage or irregularities (i.e. - skin cracks, distortion, dents, corrosion, and excessive paint build up); structural defects (i.e. - loose or missing rivets); misrigging or structural imbalance; hinge damage, excessive wear, freedom of movement and proper lubrication; and attachment points for missing or worn hardware.
[ ] 22. Inspect stabilator and trim tab hinges, arm and attachments for damage, security and operation.
[ ] 23. Perform Stabilator Attach Brackets Corrosion Inspection in Section III, Special Inspections, Procedures.
[ ] 24. Inspect stabilator control stops to ensure stops are not loose. Ensure bolts and locknuts are tight.
[ ] 25. Inspect stabilator and trim tab hinge bolts, pins, and bearings for excess wear. Replace as required.
[ ] 26. Inspect aileron, rudder, stabilator, and stabilator trim cables; and cable terminals, turnbuckles, guides, fittings, and pulleys for safety, condition, and operation. (See Note 10.)
[ ] 27. Inspect rudder, stabilator, and stabilator trim cable tensions using a tensiometer. (See Note 11.)
[ ] 28. Inspect stabilator trim mechanism for condition, security, and operation.
[ ] 29. Clean and lubricate stabilator trim drum screw.
[ ] 30. Clean and lubricate all exterior needle bearings.
[ ] 31. Lubricate per Lubrication Chart, Section II.
[ ] 32. Inspect rotating beacon/anti-collision light for security and operation.
[ ] 33. If installed, inspect security of Autopilot bridle cable clamps. (See Note 10.)
[ ] 34. Inspect all controls, air ducts, electrical leads, harnesses, lines, radio antenna leads and attaching parts for security, routing, chafing, deterioration, wear and correct installation.
[ ] 35. Inspect ELT battery for condition/date per FAR 91.207.
[ ] 36. Inspect ELT installation and antenna for condition and security. Replace antenna if bent or damaged.
[ ] 37. Install inspection plates and panels.

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 4 of 8)

LEFT WING, DETAILED

[ ] 1. Remove inspection plates and fairings.
[ ] 2. Inspect wing surfaces and tips for damage and loose rivets.
[ ] 3. Inspect ailerons for surface damage or irregularities (i.e. - skin cracks, distortion, dents, corrosion, and excessive paint build up); structural defects (i.e. - loose or missing rivets); misrigging or structural imbalance; hinge damage, excessive wear, freedom of movement and proper lubrication; and attachment points for missing or worn hardware. (See Note 17.)
[ ] 4. Inspect aileron hinge pins for condition and security.
[ ] 5. Inspect aileron control stops to ensure stops have not loosened and locknuts are tight.
[ ] 6. Inspect aileron cables and cable terminals, turnbuckles, fittings, guides, pulleys, and bellcranks for safety, condition and operation. (See Note 10.)
[ ] 7. Inspect aileron cable tension using a tensiometer. (See Note 11.)
[ ] 8. Inspect pitot tube for damage and condition.

CAUTION: SEVERE BURNS CAN RESULT FROM COMING IN CONTACT WITH A HEATED PITOT TUBE.

[ ] 9. Check pitot heat.
[ ] 10. Inspect flaps for surface damage or irregularities (i.e. - skin cracks, distortion, dents, corrosion, and excessive paint build up); structural defects (i.e. - loose or missing rivets); misrigging or structural imbalance; hinge damage, excessive wear, freedom of movement and proper lubrication; and attachment points for missing, damaged or worn hardware.
[ ] 11. Inspect flap hinge bolts for condition and security. Replace as required.
[ ] 12. Lubricate per Lubrication Chart, Section II.
[ ] 13. Inspect wing attachment bolts and brackets for security, corrosion and condition. (See Note 23.)
[ ] 14. Re-torque wing forward and aft spar attach bolts per Section IV, Figures 4-1 and 4-1B.
[ ] 15. Inspect fuel tanks and lines for leaks and water. (See Note 14.)
[ ] 16. Inspect fuel tanks for minimum octane and capacity markings.
[ ] 17. Inspect fuel tank vents for condition, security, and operation.
[ ] 18. Inspect all controls, air ducts, electrical leads, lines and attaching parts for security, routing, chafing, deterioration, wear, and correct installation.
[ ] 19. Install inspection plates and fairings.

RIGHT WING, ROUTINE

[ ] 1. Inspect wing surfaces and tips for damage and loose rivets, and condition of walkway.
[ ] 2. Lubricate per Lubrication Chart, Section II.

LANDING GEAR, ROUTINE

[ ] 1. Check oleo struts for proper extension and evidence of fluid leakage. See Landing Gear System, Section II.
[ ] 2. Check tire pressure. (See Table II-I.)
[ ] 3. Lubricate per Lubrication Chart, Section II.

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 5 of 8)

SPECIAL INSPECTIONS, AS REQUIRED

[ ] See Special Inspections Work Sheet.

OPERATIONAL INSPECTION

NOTE: Refer to Note 15 prior to starting engine or taxiing airplane.

[ ] 1. Check fuel pump and fuel tank selector.
[ ] 2. Check fuel quantity, pressure and flow readings.
[ ] 3. Check oil pressure and temperature.
[ ] 4. Check alternator output.
[ ] 5. Check manifold pressure.
[ ] 6. Check carburetor heat / alternate air.
[ ] 7. Check parking brake.
[ ] 8. Check vacuum gauge.
[ ] 9. Check gyros for noise and roughness.
[ ] 10. Check cabin heater operation.
[ ] 11. Check magneto switch operation.
[ ] 12. Check magneto RPM variation.
[ ] 13. Check throttle and mixture operation.
[ ] 14. Check propeller smoothness.
[ ] 15. Check propeller governor action.
[ ] 16. Check engine idle.
[ ] 17. Check annunciator lights.
[ ] 18. Check electronic equipment operation.
[ ] 19. If installed, check operation of Autopilot, including automatic pitch trim, and manual electric trim. (See Note 16.)
[ ] 20. If installed, check air conditioner compressor clutch operation.
[ ] 21. If installed, check air conditioner condenser scoop operation.

GENERAL

[ ] 1. Aircraft conforms to FAA Specifications.
[ ] 2. Latest revision of applicable FAA Airworthiness Directives complied with.
[ ] 3. Latest revision of applicable manufacturer's Service Bulletins, Letters, and Instructions complied with. (See Table III-III.)
[ ] 4. Current and correct Pilot's Operating Handbook or Airplane Flight Manual is in the airplane.
[ ] 5. Appropriate entries made in the Aircraft and Engine Log books.
[ ] 6. Registration Certificate is in the aircraft and properly displayed.
[ ] 7. Radio Station FCC License is in the aircraft and properly displayed.
[ ] 8. Aircraft Equipment List, Weight and Balance and FAA Form(s) 337 (if applicable) are in the aircraft and in proper order.
[ ] 9. Operational inspection and run-up completed.
[ ] 10. Aircraft cleaned and lubricated after wash (as required).
[ ] 11. Event Inspection Record completed.
[ ] 12. Discrepancy Record completed.
[ ] 13. Equipment Change and Overhaul Record completed.

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 6 of 8)

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AIRPLANE SERIAL NUMBER	REGISTRATION NUMBER	ENGINE SERIAL NUMBER	PROPELLER SERIAL NUMBER

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 7 of 8)

INSPECTION COMPLETED

I certify that this aircraft has been inspected in accordance with PIPER AIRCRAFT CORPORATION 50 Hour Progressive Inspection Event No. 1, and is approved for return to service. Pertinent details of this inspection are on file at this facility under:

Repair Order No. _____

Total Time: _____ Date: _____

Signed: _____ Repair Station No.: _____

AIRPLANE SERIAL NUMBER	REGISTRATION NUMBER	ENGINE SERIAL NUMBER	PROPELLER SERIAL NUMBER

EVENT INSPECTION WORK SHEET

EVENT #1 (Sheet 8 of 8)

Event #1 Inspection Discrepancy Report

Aircraft Time: _____ Engine Time: _____

Date: _____ Work Order No.: _____

Item No.	Discrepancy	Corrective Action	Mechanic Signature