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Cirrus SR 22 Maintenance schedule.

Leading Edge Aviation Services recommends you take some time to become acquainted with the Cirrus, TCM and Hartzel maintenance schedule and warranty policy. Leading Edge Aviation Services will make recommendations based on our experience and your usage of the aircraft. All 100 hour and annual inspections require the airframe and engine be thoroughly cleaned and washed. Leading Edge Aviation Services will return the aircraft to you with the interior and exterior detailed as part of each of these inspections.

Compliance with Federal Aviation Regulations and manufactures recommended inspection intervals are the responsibility of the owner operator. This reference material should not be used as a substitute for any manufactures requirements. The following schedule provides you a guide to understanding what's required at hourly or calendar specific intervals. Please read your manufactures warranty documentation.

The TCM engine warranty requires you to comply with all service bulletins and instructions for continued airworthiness while your engine is under warranty. Additionally, to keep your engine cylinders protected under the TCM Top Care Agreement additional paper work is required to be filled out by the maintenance facility and retained in the aircrafts permanent records in the event a warranty claim is filed.

First 25 hour airframe inspection of NEW aircraft.

Average inspection time is 8 to 10 hours; this inspection is not covered under Warranty.

1. Oil and filter change. Please let us know
2. Requires 100 hour inspection of the engine per TCM maintenance manual,
3. Comply with the following TCM Service Bulletins & instructions for continued airworthiness.
 - SB643B MAINTENANCE INTERVALS FOR ALL TCM AND BENDIX AIRCRAFT MAGNETOS AND RELATED EQUIPMENT
 - SB03-3 DIFFERENTIAL PRESSURE TEST AND BORESCOPE INSPECTION PROCEDURES FOR CYLINDERS.
 - MSB94-8C MAGNETO TO ENGINE TIMING.
 - SID 05-7TELEDYNE CONTINENTAL MOTORS (TCM) POSITION TUNED FUEL INJECTION NOZZLES
 - SB95-2 INSPECTION AND MAINTENANCE OF ENGINE CONTROL CABLES AND LINKAGE.
 - SID97-3D PROCEDURES AND SPECIFICATIONS FOR ADJUSTMENT OF TELEDYNE CONTINENTAL MOTORS (TCM) CONTINUOUS FLOW FUEL INJECTION SYSTEMS. (if fuel system requires adjustment or is opened)
 - Perform return to service flight check if required.

Due each 50 Hours = Airframe and engine inspection. Average inspection time 5 hours, this inspection is not covered under warranty.

1. Oil and filter change
2. Perform 50 hour inspection of the airframe per Cirrus Inspection guide.
3. Clean and Gap spark plugs.
4. Perform return to service flight check.

Due each 100 Hours = Airframe, propeller and engine inspection. This inspection is not covered under warranty.

Inspection time is 32 hours for the 100 hour Airframe and engine inspection.

Inspection time for the required Engine only inspection is 10 hours (required to comply with TCM warranty policy).

1. Recommend 100 hour airframe inspection per Cirrus Maintenance manual. Includes Service Bulletin and Airworthiness Directive research.
2. Perform operational and functional check in accordance with the cirrus operational and functional check list.

3. Requires Oil and filter change.
4. Requires 100 hour inspection of the engine per TCM maintenance manual,
5. Requires removal of Fuel nozzles, clean in accordance with TCM SID 05-7 (first 100 hours).
6. Comply with the following TCM Service Bulletins & instructions for continued airworthiness.
 - SB643B MAINTENANCE INTERVALS FOR ALL TCM AND BENDIX AIRCRAFT MAGNETOS AND RELATED EQUIPMENT
 - SB03-3 DIFFERENTIAL PRESSURE TEST AND BORESCOPE INSPECTION PROCEDURES FOR CYLINDERS.
 - MSB94-8C MAGNETO TO ENGINE TIMING.
 - SID 05-7TELEDYNE CONTINENTAL MOTORS (TCM) POSITION TUNED FUEL INJECTION NOZZLES
 - SB95-2 INSPECTION AND MAINTENANCE OF ENGINE CONTROL CABLES AND LINKAGE.
SID97-3D PROCEDURES AND SPECIFICATIONS FOR ADJUSTMENT OF TELEDYNE CONTINENTAL MOTORS (TCM) CONTINUOUS FLOW FUEL INJECTION SYSTEMS.
 - PERFORM REQUIRED RETURN TO SERVICE FLIGHT.

Annual Inspection.

Flat rate inspection is 36 hours and includes inspection per Cirrus inspection guide, service work to airframe, engine, and propeller, Compliance with TCM Service Bulletins and instructions for continued airworthiness and required return to service flight.

1. Perform operational and functional check in accordance with the cirrus operational and functional check list.
2. Perform Annual inspection per Cirrus inspection guide. Includes Service Bulletin and Airworthiness Directive research.
3. Perform 100 hour inspection of engine.
4. Perform 100 hour inspection of Prop.
5. Perform return to service flight
 - Comply with the following TCM Service Bulletins & instructions for continued airworthiness.
 - Sb643b Maintenance Intervals For All Tcm And Bendix Aircraft Magnetos And Related Equipment
 - Sb03-3 Differential Pressure Test and Borescope Inspection Procedures For Cylinders.
 - Msb94-8c Magneto To Engine Timing.
 - Sid 05-7teledyne Continental Motors (Tcm) Position Tuned Fuel Injection Nozzles
 - Sb95-2 Inspection and Maintenance of Engine Control Cables And Linkage.
Sid97-3d Procedures and Specifications for Adjustment Of Teledyne Continental Motors (Tcm) Continuous Flow Fuel Injection Systems.

- Perform Required Return To Service Flight.

Overhaul or Replacement Schedule.

- Brake assembly O rings, due each annual inspection or 100 hours.
- Number two batteries, change each 24 months or 500 hours.
- Ice protection filter, change each 2 years or 1200 hours.
- Flexible fuel lines, flexible oil hoses, flexible brake lines, change every five years.
- Gascolator seals change each 5 years.
- Bendix Magneto's, 500 hour internal inspection, replace or overhaul every 4 years.
- 500 hour inspection or overhaul of TCM alternator.
- Fuel system drain valve seals, change every 5 years.
- Muffler and heat exchanger, replace every 1000 hours.
- Rudder – Aileron interconnect shock cord, change every 5 years.

Additional Maintenance Checks Required.

- 91.411 / 91.413 Pitot Static / Transponder Inspection and Certification. Due each 24 months,
- Magnetometer Functional Check and Calibration. Due each 24 months
- Weldment and lower mount attach fittings, perform visual inspection and verify torque, due each 1st annual inspection, 500 hours or engine install.
- Fire Extinguisher, perform inspection / check for condition and weigh. DUE EACH MONTH.