

— Specification and Description —  
"Exhibit A"

**TC**  
**SKYLANE**

# The New Cessna T182T Turbo Skylane

## Specification and Description

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Dated January 2005

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Beginning With Serial #T18208358



### Introduction

This document is published for the purpose of providing general information for the evaluation of design, performance and equipment of the Cessna Turbo Skylane. Should more information be required, please contact:

Cessna Aircraft Company  
Single Engine Piston Aircraft  
2625 S. Hoover Rd.  
Wichita, Kansas 67215  
1-800-4-CESSNA  
[www.se.cessna.com](http://www.se.cessna.com)

This document supersedes all previous Specification and Description documents and describes only the Turbo Skylane Model T182T, its powerplant and equipment.

Also included are the warranties applicable to the Turbo Skylane

Model T182T aircraft, the Textron Lycoming TIO-540-AK1A engine, the McCauley propeller and the OEM-installed Bendix/King and Garmin avionics.

In the event of any conflict or discrepancy between this document and the basic purchase agreement, the basic purchase agreement language shall govern.

Due to the time span between the date of this Specification and Description and the scheduled delivery date of the aircraft, Cessna reserves the right to revise the "Specification" whenever occasioned by product improvements, government regulations or other good cause.

Manufacturer: Cessna Aircraft Company

Model: T182T

## General Description

All information herein applies to the Turbo Skylane (Model T182T).

The Turbo Skylane aircraft is an all-metal, single-engine piston, high-wing monoplane with a four-person seating capacity including a crew of one or two. Suitable allowance for luggage is provided.

The Model T182T is certified to the requirements of U.S. FAA Federal Aviation Regulation Part 23 through amendment 23-6, including day, night, VFR and IFR.

### Approximate Dimensions

Overall Height (max)	9'4"	(2.84 m)
Overall Length	29'	(8.84 m)
Wing		
Span (overall)	36'	(10.97 m)
Area	174 sq ft	(16.2 sq m)
Cabin		
Height (max)	48.5"	(1.23 m)
Length (firewall to aft baggage area)	134"	(3.40 m)
Width	42"	(1.07 m)
Cabin Door		
Height (front)	41"	(1.04 m)
Height (rear)	38.5"	(.98 m)
Width (top)	32"	(.81 m)
Width (bottom)	36.5"	(.93 m)
Baggage Door		
Height (front)	22"	(.56 m)
Height (rear)	20.5"	(.52 m)
Width	15.8"	(.40 m)

### Design Weights and Capacities

Maximum Ramp Weight	3,112 lbs	(1,412 kg)
Maximum Takeoff Weight	3,100 lbs	(1,406 kg)
Maximum Landing Weight	2,950 lbs	(1,338 kg)
Standard Empty Weight	2,023 lbs	(918 kg)
Maximum Useful Load	1,089 lbs	(494 kg)
Baggage Allowance	200 lbs	(91 kg)
Fuel Capacity		
Total capacity	92 gal	(348.2 L)
Total usable	87 gal	(329.3 L)
Total capacity each tank	46 gal	(174.1 L)
Total usable capacity each tank	43.5 gal	(164.6 L)
Oil Capacity <sup>1</sup>		
Sump	8 qts	(7.5 L)
Total Capacity	9 qts	(8.5 L)

### Notes:

1. Oil filter accounts for 1 qt.

## Turbo Skylane Equipment List

The following list of equipment is included on the standard aircraft and it does not reflect optional equipment.

### AVIONICS:

KMA-28 Audio Panel/Marker Beacon/Intercom  
CI-102 Marker Beacon Antenna  
KX-155A NAV/COM with Glide Slope  
KI-209A VOR/LOC/GS Indicator  
CI-248 VHF Antenna w/internal notch filter  
CI-120 NAV Antenna  
KT-76C Transponder - Mode C  
CI-105 Transponder Antenna  
SSD120-35A Blind Encoder  
KAP-140 Dual Axis Autopilot w/Altitude Preselect/GPS Roll Steering  
KCM-100 Configuration Module  
KS-270C Pitch Axis Servo Actuator  
KS-271C Roll Axis Servo Actuator  
KS-272C Pitch Trim Servo Actuator  
Pilot Control Wheel - Pitch Trim Switch/AP Disconnect  
3000-11 Emergency Locator Transmitter  
Emergency Locator Transmitter External Antenna  
Emergency Locator Transmitter Remote Mounted Switch  
FN300 Avionics Cooling Fan  
Avionics Circuit Breaker Panel  
Control Wheel Push-To-Talk Switch Pilot/Copilot  
Mic & Phone Jacks - Pilot/Copilot/Passengers  
Auxiliary Stereo Input Jack

### ELECTRICAL POWER:

Alternator, 28 Volt, 95 Amp  
Battery, 24 Volt, 15.5 AH, Manifold Type

#### Electrical Circuit Panel

- Ignition & Starter Switch, Key Operated
- Alternator/Battery Master Switch

- Split Avionics Master Switch
- Circuit Breakers, Electrical
- Switch Breakers, Electrical

#### Electrical J-Box

- Alternator Control Unit
  - Battery Current Sensor
  - Ground Service Receptacle
  - Starter Relay
  - Alternator Relay
  - Battery Relay
  - Ground Power Relay
- Auxiliary Power Jack -12 Volt  
Propeller De-ice Timer

### ENGINE INSTRUMENTS:

Oil Pressure/Temperature  
Ammeter/Vacuum  
LH/RH Fuel Quantity  
Manifold Pressure/Fuel Flow  
Fuel Flow Transducer  
Cylinder Head Temperature/Turbine Inlet Temperature  
Tachometer - Hour Recorder  
Flight Hour Recorder

#### Annunciator Panel

- LH Low Fuel Light
  - RH Low Fuel Light
  - LH Low Vacuum Light
  - RH Low Vacuum Light
  - Low Oil Pressure Light
  - Low Voltage Light
  - Pitch Trim Light
- Annunciator Panel Test/Day/Night Switch  
Prop Heat Annunciator

### ENVIRONMENTAL:

Windshield Defroster, Pilot/Copilot Ventilator, Adjustable (6 places)  
Heating System, Shrouded Muffler w/Firewall Valve  
Soundproofing

### EXTERIOR:

Epoxy Corrosion Proofing, All Structure  
LH Door, Pilot w/Hinged Window, Lock and Key  
RH Door, Copilot w/Hinged Window  
Baggage Door, w/Lock and Key  
Rear Window  
All Windows Tinted  
Gear Jack Pads  
Fixed Landing Gear  
White Polyurethane Exterior Paint  
Refueling Steps and Handles, Wing Struts and Fuselage  
Fixed Cabin Entrance Steps  
Tie Down Rings, LH/RH Wing & Tail

#### Tube Type Tires

- Nose - 5.00 X 5
  - Mains - 6.00 X 6
- Conical Camber Wing Tip  
Strut Braced, Camber Lift Wings  
Static Wicks

### EXTERIOR LIGHTS:

Ground Recognition - Vertical Tail, Reduced Drag  
Navigation, LH/RH Wing Tip & Tail  
Navigation Light Detectors, LH/RH  
Wing Tip Strobe, LH/RH  
High Intensity Discharge (HID)  
Landing and Taxi Lights, LH Wing  
HID Electronic Ballast  
Underwing Courtesy, LH/RH

## FLIGHT CONTROLS:

Hydraulic Brakes, Toe-Operated  
Parking Brake  
Stainless Steel Control Cables  
Leather Wrap Control Wheels, All Purpose  
Pilot/Copilot  
Electrical Preselect - Flaps  
Dual Flight Control - Aileron/Elevator/Rudder  
Steerable Nose Wheel  
Aileron and Elevator Lock  
Elevator Trim - Manual/Electric - KAP - 140  
Autopilot  
Rudder Trim

## FLIGHT INSTRUMENTS:

Airspeed, w/True Airspeed  
Attitude Gyro  
Dual Mode Altimeter (In/Mb), Sensitive  
35,000 ft  
Turn Coordinator, w/Slip Skid  
Directional Gyro w/Heading Bug  
Vertical Speed  
Magnetic Compass  
Digital Clock, w/OAT/Volts/Flight Hours  
Pitot System - Heated  
Static System  
Alternate Static Source  
Dual Vacuum Pump System, Engine Driven  
Audible Stall Warning System - Heated

## FUEL SYSTEM:

Electric Auxiliary Fuel Pump  
Engine Driven Fuel Pump  
Integral Fuel Tanks, 87 Gal. Usable  
Fuel Selector Valve, Left/Both/Right/Off  
Fuel Strainer, Incorporated with Fuselage  
Quick Drain  
Fuel Tank Quick Drain, 5 per wing  
Fuel Sampler Cup  
Fuel Vapor Return System

## INTERIOR:

Black Cloth/ Mink Vinyl Seats  
Amsafe Inflatable Seat Belts &  
Shoulder Harness STC, Inertia Reel, All Seats

### Pilot and Copilot Seats

- Adjustable Fore and Aft
- Reclining Backs
- Vertical Adjustment

Rear Seat Bench w/Individual Reclining  
Back

Kydex Upholstery w/Cloth Insert

Cup Holders - Pilot/Copilot/Passenger

Jepp Map Storage Console w/Cup Holders

Approach Plate Holder, Pilot Control Wheel

Armrests - Pilot & Copilot Doors/Passenger  
Side Panels

### Oxygen System

- Oxygen Indicator - Overhead Console
- Oxygen Ports w/Masks -  
Pilot/Copilot/Passengers
- Oxygen Bottle - 50 Cu. Ft.

Wall-to-Wall Carpet

Pilot's Check List

Pilot's Operating Handbook

Fire Extinguisher, Hand Held

Glareshield w/Lighting

Control Wheel Lock

Clothes Hanger Bar

Metal Instrument Panel, w/Removable  
Subpanels

Map/Glove Compartment

Baggage Net

Radio Call Plate

Map & Storage Pockets

Cabin Door Scuff Plates

Sun Visors, Pilot & Copilot

Tow Bar

## INTERIOR LIGHTING:

Avionics Instruments Internally Lighted

Avionics Radios Internally Lighted

Engine Instruments Internally Lighted

Flight Instruments Internally Lighted

Glareshield Lighting

Dimmable Cabin Overhead LED Lights,  
Pilot/Copilot

Passenger Overhead Lights

Interior Lights Dimming Control

Map Light, Pilot Control Wheel

Radio Call Plate Internally Lighted

Compass Internally Lighted

Pedestal Lighting

## POWER PLANT AND ACCESSORIES:

Lycoming TIO-540-AK1A Engine

235 HP @2400 RPM

Certified for 100LL & 100 Fuel

Turbocharging System, Fully Automatic

- Turbocharger, Absolute Pressure Controller
- Exhaust Wastegate Valve, Overboost Valve
- Turbocharged Exhaust w/heater Muff
- Turbine Access Door

Fuel Injection System

Tubular Steel Engine Mount

Dynafoal Rear Mount

Automatic Alternate Engine Air

Oil Cooler

Rigid - Shock Mounted Cowling

Manual Cowl Flaps

Induction Air Filter

Full Flow Oil Filter

Throttle Control

Vernier Mixture Control

Vernier Propeller Control

Dual Ignition System, Shielded Magneto

Engine Exhaust Muffler

McCauley Constant Speed,  
3 Blade Metal Propeller w/De-ice Boots

Propeller Governor

Propeller Spinner, Polished

Electric Starter

# Optional Equipment

## Avionics

### NAV I:

#### Standard Avionics Plus:

KLN 94 GPS-IFR  
KLN-94 Data Cable  
KLN-94 Data Card -  
CSE GPS-NAV  
Selector/Annunciator  
KX 155A Nav/Comm With  
Glideslope  
KI 209 VOR/LOC/GS Indicator  
NAV Antenna Coupler  
CI2480 VHF/GPS Antenna  
w/Internal Notch Filter  
KMD-540 Multi-function Display  
KMD-540 Data Card  
KDR 510 FIS Wiring Provisions  
SSD 120-35A-RS232 Blind  
Encoder Exchange w/standard  
Blind Encoder

### NAV II:

#### Standard Avionics Plus:

KLN 94 GPS-IFR  
KLN-94 Data Cable  
KLN-94 Data Card  
CSE Avionics  
Selector/Annunciator  
HSI/NAV/GPS

MD41-24P Remote Relay Unit  
KX 165A Nav/Comm with  
Glideslope  
KI-209 VOR/LOC/GS Indicator  
Exchanged w/ standard KI-209A  
VOR/LOC/GS  
NAV Antenna Coupler  
CI2480 VHF/GPS Antenna  
w/Internal Notch Filter  
KMD-540 Multi-function Display  
KMD-540 Data Card  
SSD 120-35A-RS232 Blind  
Encoder Exchanged w/standard  
Blind Encoder  
KI-525 Pictorial Navigation  
Indicator HSI Exchanged w/  
Standard Directional Gyro  
KG-102 Directional Gyro  
KMT-112 Magnetic Azimuth  
Transmitter (Flux Valve)  
KA-51 Slaving Accessory  
WX-500 Stormscope  
NY-163 Stormscope Antenna  
KDR 510 FIS Wiring Provisions

### NAV III:

GMA-1347 Digital Audio Panel  
w/Marker Beacon/Intercom  
CI-102 Marker Beacon Antenna  
GTX-33 Transponder - Mode S w/TIS  
CI-105 Transponder Antenna  
GIA-63 NAV/COM/GPS w/GS #1  
GIA-63 NAV/COM/GPS w/GS #2

CI-2480 VHF/GPS Antenna  
w/Internal Notch Filter #1  
CI-2480 VHF/GPS Antenna  
w/Internal Notch Filter #2  
CI-120 NAV Antenna  
GDU-1040 Primary Flight Display  
(PFD)  
GDU-1040 Multi-function Display  
(MFD)  
GEA-71 Engine/Airframe Computer  
• CHT/ECT Sensors - All Cylinders  
• Fuel Flow Meter  
• TIT Sensor  
• Manifold/Tachometer/Vacuum  
Sensors  
GRS-77 AHRS  
GDC-74 Air Data Computer w/OAT  
Probe  
GMU-44 Magnetometer  
KAP-140 Dual Axis Autopilot  
w/Altitude Preselect/GPS Roll  
Steering  
KCM-100 Configuration Module  
KS-270C Pitch Axis Servo Actuator  
KS-271C Roll Axis Servo Actuator  
KS-272C Pitch Trim Servo  
Actuator  
Pilot Control Wheel - Pitch Trim  
Switch/AP Disconnect  
3000-11 Emergency Locator  
Transmitter  
Emergency Locator Transmitter  
External Antenna  
Emergency Locator Transmitter  
Remote Mounted Switch  
WX-500 Stormscope  
NY-163 Stormscope

### NAV III: Continued

Control Wheel Push-To-Talk Switch - Pilot/Copilot  
Mic & Pone Jacks - Pilot/Copilot/Passengers  
Auxiliary Stereo Input Jack  
Deck Skin Cooling Fan #1 - Instrument Panel  
Avionics Cooling Fan #2 - PFD  
Avionics Cooling Fan #3 - MFD  
Aft Avionics Cooling Fan #4 - Avionics Equipment  
LED Lighted Switch Panel  
LED Light Circuit Breaker Panel  
Blind Turn Coordinator for KAP-140 Roll Rate Data  
Backup Single Pump Vacuum System - Dry  
Standby Battery Controller  
Standby Battery, 24 volt 6.2 AH  
Backup Attitude Gyro, Airspeed & Altimeter Indicator  
Standard Avionics Removed  
Standard Switch/Circuit Breaker Panel Removed  
Standard Flight Instruments Removed  
Standard Digital Clock & OAT Probe Removed  
Standard Engine Instruments Removed  
Standard Fuel Pressure Transducer Removed  
Standard Annunciator Panel Removed

Standard Test/Day/Night Switch Removed

Prop Heat Annunciator Removed

Standard Glareshield Lighting Removed

Standard Dual Vacuum System - Dry Removed

KDR 510: with NAV II only

KDR-510 VDL Receiver (FIS)

FIS 10 FIS Antenna

KAC-503 FIS Module

KR-87 ADF:

KR 87 ADF

KI-227 ADF Indicator

KA-44B ADF Antenna

**Air Conditioning**

Keith Products (STC)

**Pedal Extensions**

Rudder Pedal Extension  
(Pilot or Copilot)

## Exterior Striping Options

517D: Ward Red and Slate Gray Painted Stripes ; Burgundy Vinyl Cessna Logo, Skylane TC Logo, and Registration Number

517E: Artista Blue and Diamond Silver Metallic Painted Stripes; Light Slate Metallic Vinyl Cessna Logo and Registration Number; Light Navy Vinyl SkyLane TC Logo

## Interior

Leather Seat Surfaces, Mink Leather With Perforated Mink Leather Insert / Mink Vinyl

Fabric Seat Surfaces, Black Cloth / Mink Vinyl

## Performance

### Conditions

All estimated performance data are based on airplane weights at 3,100 pounds; standard atmospheric conditions; level, hard-surface, dry runways; and no wind. They are calculated values derived from flight tests conducted by Cessna Aircraft Company under carefully documented conditions and will vary with individual airplanes, pilots, and numerous other factors affecting flight performance.

#### Speed, CAS

Maximum at 20,000 ft . . . . . 176 kts

Cruise, 88% power at 12,500 ft . . . . . 159 kts

#### Cruise (Recommended lean mixture with fuel allowance for engine start, taxi, takeoff, climb and 45-minute reserve)

88% power at 12,500 ft . . . . . range 615 nm (1,139 km)

87 gallons usable fuel . . . . . time 4.0 hr

45% power at 10,000 ft . . . . . range 971 nm (1,798 km)

87 gallons usable fuel . . . . . time 8.9 hr

Rate of Climb at Sea Level . . . . . 1,040 fpm (317 mpm)

Certificated Maximum Operating Altitude . . . . . 20,000 ft (6,096 m)

#### Takeoff Performance

Ground roll . . . . . 775 ft (236 m)

Total distance over 50-ft obstacle . . . . . 1,385 ft (422 m)

#### Landing Performance

Ground roll . . . . . 590 ft (180 m)

Total distance over 50-ft obstacle . . . . . 1,350 ft (411 m)

#### Stall Speed, CAS

Flaps up, power off . . . . . 54 kts

Flaps down, power off . . . . . 49 kts

Wing Loading . . . . . 17.8 lbs/sq ft (86.9 kg/sq m)

Power Loading . . . . . 13.2 lbs/hp (6.0 kg/hp)

Engine: Textron Lycoming . . . . . TIO-540-AK1A

235 BHP at 2,400 rpm

Propeller: 3-bladed Constant Speed, Diameter . . . . . 79 in (2.01 m)

*Specifications subject to change without notice.*



## **CESSNA'S LIMITED WARRANTY (SINGLE ENGINE PISTON AIRCRAFT)**

Cessna warrants the aircraft and all parts included therein are free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months after delivery to the original retail purchaser or first user, except as hereafter noted. Cessna's limited warranty also applies to aircraft paint; however, the warranty period for aircraft paint is twelve months after delivery of the aircraft to the original retail purchaser or first user. Engines, engine parts accessories, avionics, batteries and propellers, are specifically excluded from this warranty. Replacement spare parts sold by Cessna, excluding engines, engine part accessories, avionics, batteries and propellers are warranted for 6 months after installation or first use, except as hereafter noted. Cessna's obligation under this warranty is limited to repairing or replacing with new, overhauled or exchange parts, at its option, any part or parts found defective by its examination which are returned by the owner within the applicable twenty-four (24) or six (6) month period to any Cessna appointed or Cessna Contracted Distributor appointed Service Station. Replacement parts are warranted only for the remainder of the applicable twenty-four (24) or six (6) month original warranty period. The repair or replacement of defective parts under this warranty will be made without charge to the owner for parts and labor for removal, installation and/or actual repair, except that the owner shall pay all import duties, sales and use taxes on replacements. This limited warranty does not apply to parts subjected to misuse, negligence, improper installation, accident, alteration; repairs not authorized by Cessna; normal maintenance services (cleaning, control rigging, brake and other mechanical adjustments, maintenance inspections, etc.); replacement of service items (light bulbs, brake linings, filters, hoses, tires, cowl mounts, etc.); or to normal deterioration of soft trim and appearance items (paint, upholstery, rubber-like items, etc.) due to wear and exposure.

TO THE EXTENT ALLOWED BY APPLICABLE LAW, THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF AND CESSNA SPECIFICALLY DISCLAIMS AND EXCLUDES ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED IN FACT OR BY LAW, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES OF REPAIR OR REPLACEMENT ARE THE ONLY REMEDIES UNDER THIS WARRANTY.

CESSNA DISCLAIMS AND EXCLUDES ALL OTHER OBLIGATIONS AND LIABILITIES WHETHER IN CONTRACT OR IN TORT, INCLUDING LOSS OF USE, LOSS OF TIME, LOSS OF VALUE, INCONVENIENCE, COMMERCIAL LOSS OR ANY OTHER DIRECT, CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES.

## Textron Lycoming Warranty (Limited) New Reciprocating Aircraft Engine What Textron Lycoming Promises You

Engine Model	Aircraft Model
IO-360-L2A	Cessna-172R, 172S
IO-540-AB1A5	Cessna-182T
IO-540-AC1A5	Cessna-206H
TIO-540-AK1A	Cessna-T182T
TIO-540-AJ1A	Cessna-T206H

Textron Lycoming warrants the above listed engine model new reciprocating engine sold by it to be free from defects in material and workmanship for a period of twenty-four (24) months after aircraft delivery to the original retail purchaser or first user.

Textron Lycoming's obligation under this warranty shall be limited to its choice of repair or replacement, on an exchange basis, of the engine or any part of the engine, when Textron Lycoming has determined that the engine is defective in material or workmanship. Such repair or replacement will be made by Textron Lycoming at no charge to you. Textron Lycoming will also bear the cost for labor in connection with the repair or replacement as provided in Textron Lycoming's then-current Removal and Installation Labor Allowance Guidebook. Any engine or part so repaired or replaced will be entitled to warranty for the remainder of the original warranty period.

### YOUR OBLIGATIONS

The engine must have received normal use and service. You must apply for warranty with an authorized Textron Lycoming distributor within 30 days of the appearance of the defect in material or workmanship.

Textron Lycoming's warranty does not cover normal maintenance expenses or consumable items. The obligations on the part of Textron Lycoming set forth above are your exclusive remedy and the exclusive liability of Textron Lycoming. This warranty allocates the risk of product failure between you and Textron Lycoming, as permitted by applicable law.

Textron Lycoming reserves the right to deny any warranty claim if it reasonably determines that the engine or part has been subject to accident or used, adjusted, altered, handled, maintained, or stored other than as directed in your operator's manual, or if nongenuine Textron Lycoming parts are installed in or on the engine and are determined to be a possible cause of the incident for which the warranty application is filed.

Textron Lycoming may change the construction of engines at any time without incurring any obligation to incorporate such alterations in engines or parts previously sold.

This limited warranty is exclusive and in lieu of all other warranties and representations, express or implied or statutory, whether written or oral, including but not limited to any warranty of merchantability or fitness for any particular purpose, and any implied warranty arising from any course of performance or dealing or trade usage. This warranty is also in lieu of any other obligation, liability, right, or claim, whether in contract or in tort, including any right in strict liability in tort or any right arising from negligence on the part of Textron Lycoming, and Textron Lycoming's liability on such claim shall in no case exceed the price allocable to the engine or part that gives rise to the claim.

### LIMITATION OF LIABILITY

In no event, whether as a result of a breach of warranty, contract, or alleged negligence, shall Textron Lycoming be liable for special or consequential or any other damages, including but not limited to loss of profits or revenues, loss of use of the engine, or cost of a replacement.

No agreement varying this warranty or Textron Lycoming's obligations under it will be binding upon Textron Lycoming unless in writing signed by a duly authorized representative of Textron Lycoming.

Cessna Model Aircraft Only  
Textron Lycoming  
Williamsport, Pennsylvania  
Original Engine Installation Only  
Effective 1996

## McCauley Propeller Systems Standard Limited Warranty

McCauley Propeller Systems, a Division of Cessna Aircraft Company, Wichita, Kansas, U.S.A., expressly warrants new and remanufactured products produced and sold by McCauley to be free from defects in material and workmanship under normal use and service for a period of thirty-six (36) months after delivery to the original retail purchaser or until the expiration of the maximum hours of use or calendar limits for overhaul published by McCauley for the subject product, whichever occurs first.

McCauley's obligation under this limited warranty is limited to repairing or replacing, at its sole option, any propeller, propeller parts, governor parts determined by McCauley to have been defective and which are properly returned by the owner, with a written statement describing the alleged defect, to any McCauley Authorized Service Center authorized to service the individual McCauley product. The repair or replacement of defective parts will be made without charge to the owner for parts, or labor for removal and installation, except export/import duties, and/or sales or use taxes, if any which are solely the owner's responsibility, McCauley will warrant a part replaced pursuant to this limited warranty under the same terms as the original part for the remainder of the applicable warranty period of the original part. This limited warranty is not intended to and does not cover the costs of normal maintenance or overhaul.

In addition, McCauley will **repair or replace**, at its option, any propeller, propeller parts, governor, or governor parts requiring replacement due to manufacturing defect if found at or before the first recommended overhaul interval as described in McCauley published service information. This first overhaul coverage does not include labor, standard overhaul replacement parts, parts repairable via published service information (re-plating, painting, etc.), other costs associated with the propeller or governor overhaul, or export/import duties, and/or sales or use taxes, nor does it apply to defects found after McCauley published overhaul hour or calendar limits. The provisions of this limited warranty do not apply to: any McCauley parts which have been subject to misuse, negligence or accident or which have been repaired or altered in any way that, in the sole judgment of McCauley, adversely affects their performance, stability or reliability; to normal maintenance services (such as cleaning, mechanical adjustments and maintenance inspections); to the replacement of service items made in connection with normal maintenance; to normal deterioration of soft trim and appearance items (such as paint and rubber-like items) due to wear and exposure; to propellers, governors or parts found defective beyond the McCauley recommended overhaul period; or to parts which have been improperly installed by entities other than McCauley and/or McCauley Authorized Service Centers.

The McCauley limited warranty is void on any new or manufactured product installed, without McCauley's prior written approval, on a non-type certificated engine, or on any engine which has received an overhaul or modification which is not approved by the engine manufacturer and that results in a change to the vibratory environment of the engine such as, but not limited to, an alteration of horsepower, operating RPM, crankshaft damper configuration, compression ratio, magneto timing, camshaft design, or any other overhaul or modification not expressly approved by the original engine manufacturer. The McCauley limited warranty is also void on any McCauley product shipped new from the factory or distributor in dis-assembled state, then later re-assembled by an unauthorized party. Parties authorized to re-assemble factory-new product must have specific written permission from McCauley to do so, otherwise all McCauley warranty on the affected unit is void. No McCauley warranty coverage is offered for leakage on product assembled outside McCauley, regardless of the assembling party.

To the extent allowed by applicable law, THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED IN FACT OR BY LAW, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES OF REPAIR OR REPLACEMENT SET FORTH HEREIN ARE THE ONLY REMEDIES UNDER THIS LIMITED WARRANTY. McCAULEY DISCLAIMS ANY OBLIGATION OR LIABILITY, WHETHER IN CONTRACT OR IN TORT, INCLUDING LOSS OF USE OF THE PRODUCT WARRANTED, LOSS OF TIME, INCONVENIENCE, LOSS OF PROFITS, COMMERCIAL LOSS, OR ANY OTHER DIRECT, CONSEQUENTIAL, SPECIAL, OR INCIDENTAL DAMAGES. THIS WARRANTY IS IN LIEU OF ANY OBLIGATION OR LIABILITY ON THE PART OF McCAULEY TO ANYONE OF ANY NATURE WHATSOEVER BY REASON OF THE MANUFACTURE, SALE, LEASE, OR USE OF THE WARRANTED PRODUCTS AND McCAULEY NEITHER ASSUMES NOR AUTHORIZES ANYONE TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH WARRANTED PRODUCTS. THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS, 1980, AND ANY SUCCESSOR THERETO, IS EXPRESSLY EXCLUDED FROM THIS WARRANTY.

## **Bendix/King Equipment Retail Warranty Statement For Cessna Aircraft Company Single Engine Program**

A. General Aviation Avionics products manufactured by Honeywell under the brand name Bendix/King (collectively referred to herein as "Honeywell") are warranted against defects in design, material, or workmanship caused by Honeywell or its authorized agent(s) for the warranty period as defined in Paragraph (B) of this statement, which occur under normal and intended use and service, subject to all of the qualifications and conditions hereinafter stated.

B. The warranty term for new product(s) installed on new aircraft shall be twenty-four (24) months from delivery to the original retail purchaser or first user. Cessna to provide warranty start date information.

C. Any product Honeywell finds to be in violation of the warranty as set out in Paragraph (A) hereof, at the option of Honeywell, shall be repaired, replaced, or exchanged in accordance with the following procedures:

1. Products shall be returned to any authorized Honeywell Service Center or Honeywell Regional Product Support Repair/Overhaul Facility, with transport charges prepaid.
2. After correction, the products shall be returned to the purchaser with surface transportation charges prepaid.
3. The risk of loss or damage to all products in transit shall be borne by the party initiating the transportation of such products unless the purchaser makes a request for specific mode of transportation. In such case, the risk of loss and the cost of shipment shall be borne by the purchaser.

All items repaired or replaced hereunder shall be warranted for the unexpired portion of the original warranty period.

D. This warranty specifically excludes defects that Honeywell determines to be the result of any or all of the following:

1. Abuse, accident, or misuse;
2. Contamination, negligence, tampering, or improper storage or maintenance;
3. Repair or attempted repair by unauthorized persons or use of non-Honeywell or unauthorized repair or replacement parts;
4. Products not installed by an authorized Honeywell Installation Facility in accordance with the appropriate installation manual.

E. The warranty as set out in Paragraph (A) is the only warranty for Honeywell products and is in lieu of all other warranties expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose that are herewith expressly excluded and disclaimed.

F. The remedies as set out in Paragraph (C) hereof state the entire liability of Honeywell and constitute the sole and exclusive remedy of the purchaser. Honeywell shall not be liable for any other claim, loss, or damage, including, but not limited to, incidental, consequential, or other kinds of damages whether based on contract, tort, negligence, or other theory of product liability.

G. Honeywell reserves the right to make design changes, additions to, and improvements in its products without the obligation to install same in products previously manufactured.

**THIS IS A LIMITED WARRANTY**

Honeywell  
23500 W. 105th Street  
Olathe, Kansas 66061

# **Garmin Avionics Installed in Single Engine Aircraft**

## **Aircraft OEM-Installed Avionics 2-Year Limited Warranty Policy**

This GARMIN Product is warranted to be free from defects in materials or workmanship for two years from the date of warranty activation. Within this period, GARMIN International, Inc. will at its sole option, repair or replace any components which fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

IN NO EVENT SHALL GARMIN BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you.

GARMIN retains the exclusive right to repair or replace the product or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

To obtain warranty service, contact your local GARMIN authorized Service Center. For assistance in locating a Service Center near you, call GARMIN Customer Service at one of the numbers shown below.

GARMIN International  
1200 East 151st Street  
Olathe, Kansas 66062, U.S.A.  
Toll free: 1-800-800-1020  
Phone: 1-913-397-8200  
FAX: 1-913-397-0836

GARMIN (Europe) Ltd.  
Unit 5, The Quadrangle  
Abbey Park Industrial Estate  
Romsey, SO51 9AQ, U.K.  
Phone: 44-1794-519944  
FAX: 44-1794-519222

Visit our web site at: [www.garmin.com](http://www.garmin.com)

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