

**Specification and Description  
“Exhibit A”**

**SKYLANE**  

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**TC**

**Specification and Description**

**Dated January 2006**

**Beginning With Serial #T18208481**

**Manufacturer: Cessna Aircraft Company Model: T182T**

Initial \_\_\_\_\_



# Specification and Description “Exhibit A”

## The Cessna T182T Turbo Skylane

### 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.

# Specification and Description

## “Exhibit A”

### General Description

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

The 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.....	2,075 lbs	(941 kg)
Maximum Useful Load.....	1,037 lbs	(471 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		
Sump.....	8 qts	(7.5 L)
Total Capacity.....	9 qts	(8.5 L)

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## “Exhibit A”

### Turbo Skylane Equipment List

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

#### **AVIONICS:**

GDU-1040 Primary Flight Display (PFD)  
GDU-1040 Multi-function Display (MFD)  
GMA-1347 Digital Audio Panel w/Marker Beacon/Intercom  
CI-102 Marker Beacon 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  
GTX-33 Transponder - Mode S w/TIS  
CI-105 Transponder Antenna  
GEA-71 Engine/Airframe Computer

- CHT/EGT Sensors - All Cylinders
- Fuel Flow Meter
- Manifold/Tachometer/Vacuum Sensors

GRS-77 AHRS  
GDC-74 Air Data Computer w/OAT Probe  
GMU-44 Magnetometer  
KAP-140 Dual Axis Autopilot

- 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

3000-11 Emergency Locator Transmitter  
Emergency Locator Transmitter External Antenna  
Emergency Locator Transmitter Remote Mounted Switch  
WX-500 Stormscope  
NY-163 Stormscope Antenna  
Control Wheel Push-To-Talk Switch - Pilot/Copilot  
Mic & Phone Jacks -  
Pilot/Copilot/Passengers  
Auxiliary Stereo Input Jack  
Blind Turn Coordinator for KAP-140  
Avionics Circuit Breaker Panel  
Control Wheel Push-To-Talk Switch - Pilot/Copilot  
Mic & Phone Jacks - Pilot/Copilot/Passengers  
Auxiliary Stereo Input Jack  
Single Engine Driven Vacuum Pump System  
Backup Mechanical Instruments

- Attitude (Vacuum Gyro)
- Airspeed
- Altimeter

Magnetic Compass  
Pitot System - Heated  
Static System  
Alternate Static Source  
Audible Stall Warning System – Heated  
Deck Skin Cooling Fan #1  
Avionics Cooling Fan #2 - PFD  
Avionics Cooling Fan #3 – MFD

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## “Exhibit A”

Aft Avionics Cooling Fan #4

### **ELECTRICAL POWER:**

Alternator, 28 Volt, 95 Amp

Battery, 24 Volt, 15.5 AH, Manifold Type

Standby Battery, 24 volt 6.2 AH

Standby Battery Controller

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

Propeller De-ice Timer (turbocharged models)

Auxiliary Power Jack -12 Volt (fore & aft)

### **ENGINE INDICATION SYSTEM (ELECTRONIC)**

Ammeter

Voltmeter

Vacuum

Manifold Pressure

Oil Pressure and Temperature

Tachometer - Hour Recorder

Fuel Flow (GPH)

LH/RH Fuel Quantity

CHT - Cylinder Head Temperature

EGT - Exhaust Gas Temperature (Normally Aspirated)

TIT - Turbine Inlet Temperature (Turbocharged)

Flight Hour Recorder

Electronic Checklists

### **ANNUNCIATION – CAUTION AND WARNING ALERTS (PFD)**

- LH & RH Low Fuel
- Low Vacuum
- Low Oil Pressure
- Low Voltage • Pitch Trim
- Standby Battery
- Pitch Trim
- Self Test Message Advisories
- Traffic (standard TIS)
- Propeller Heat (turbocharged models)

### **ENVIRONMENTAL:**

Windshield Defroster, Pilot/Copilot

Ventilator, Adjustable (6 places)

Heating System, Shrouded Muffler w/Firewall Valve

Insulation / Soundproofing

Carbon Monoxide Detection System

Oxygen System

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

### **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

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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  
Dual Flight Controls - Aileron/Elevator/Rudder  
Leather Wrap Control Wheels, All Purpose Pilot/Copilot  
Pilot Control Wheel

- Pitch Trim
- AP Disconnect

Elevator Trim - Manual/Electric - KAP-140 Autopilot

Rudder Trim - Manual  
Electrical Preselect - Flaps  
Steerable Nose Wheel  
Aileron and Elevator Lock

### FUEL SYSTEM:

Electric Auxiliary Fuel Pump  
Engine Driven Fuel Pump  
Integral Wet Wing 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:

General interior color scheme is Taupe / Charcoal  
Kydex door sidepanel, decorative fabric inserts  
Leather Seating Surfaces w/ Perforated Leather Insert w/ Vinyl trim  
Vinyl grip flooring in crew area  
Carpeting in passenger area  
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  
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

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Pilot's Check List  
Pilot's Operating Handbook  
Fire Extinguisher, Hand Held  
Instrument Panel Glareshield  
Control Wheel Lock  
Clothes Hanger Bar  
Metal Instrument Panel, w/Removable Stby Instr. Subpanel  
Map/Glove Compartment  
Baggage Net  
Radio Call Plate  
Map & Storage Pockets  
Cabin Door Scuff Plates  
Rosen Sun Visors, Pilot & Copilot  
Tow Bar

### **INTERIOR LIGHTING:**

LED Pilot/Copilot Cabin Overhead LED Lights  
LED Passenger Overhead Lights  
Interior Lights Dimming Control  
Map Light, Pilot Control Wheel  
Sub-Panel Lighting (LED Backlighting)

- Flaps
- Throttle
- Mixture
- Propeller
- Environmental Controls (Air and Heat)

Switch Panel Lighting (LED Backlighting)

- Avionics and Master Switches
- Dimming Reostats
- Landing, Taxi and Nav Switches
- Standby Battery Switch

LCD Lighted Glass Panel Displays:

- Electronic Flight Instruments
- Electronic Avionics Instruments
- Electronic Engine Instruments

Audio Panel (Backlighting)  
LED Lighted Switch Panel  
Radio Call Plate (Backlighting)  
LED Lighted Circuit Breaker Panel  
Compass Internally Lighted

### **POWER PLANT AND ACCESSORIES:**

Lycoming TIO-540-AK1A Engine  
235 HP @2400 RPM  
Certified for 100LL & 100 Fuel  
Turbocharging System (Fully Automatic)

- Turbocharger, Sloped Absolute Pressure Controller
- Exhaust Wastegate Valve, Overboost Valve
- Turbocharged Exhaust w/Heater Muff

Fuel Injection System  
Tubular Steel Engine Mount  
Dynafoal Rear Engine 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 Prop w/De-ice Boots  
Propeller Governor  
Propeller Spinner, Polished  
Electric Starter

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### Optional Equipment

Air Conditioning  
Keith Products (STC -12,000 btuh / Engine Driven)

TAWS-B Terrain (Garmin) NAV III Avionics

TAS Traffic (Bendix King KTA 870) – NAV III Avionics

ADF KR87 – NAV III Avionics – Separate control head -  
displayed on PFD (International only)

DME KN63 – NAV III Avionics – Integrated control - displayed  
on PFD (International only)

### Exterior Striping Options

**518D:** Gloss Black and Moon Dust Metallic Painted Stripes;  
Cessna Logo, Skylane Logo and Registration Number: All  
Black Vinyl.

**518E:** Arista Blue and Medium Silver Metallic Painted Stripes;  
Cessna Logo, Skylane Logo and Registration Number: All  
Light Navy Vinyl.

**518F:** Cayenne Red Pearl and Phantom Gray Metallic Painted  
Stripes; Cessna Logo, Skylane Logo and Registration  
Number: All Dark Red Vinyl.

### Interior Options

Fabric Seat Surfaces w/ Vinyl trim



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### 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 sea level..... 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 8.90 hr

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

Certified 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: Lycoming - TIO-540-AK1A 235 BHP @2,400 RPM

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

*Specifications subject to change without notice.*

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

Cessna warrants the aircraft and all parts included therein to be 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 part 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, at its option, with exchange, overhauled, or new 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.**

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## “Exhibit A”

### **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 new reciprocating engine models 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.

The date of first operation must not exceed two (2) years from the date of shipment from Textron Lycoming.

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 non-genuine 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**

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**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 WHICH 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 Engines  
652 Oliver Street  
Williamsport, Pennsylvania 17701  
(570) 323-6181  
www.lycoming.textron.com  
Original Engine Installation Only  
Effective 2000***

### **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 or 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 of 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

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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 remanufactured 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 SUCH 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.**  
Issued 9/1/2003

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### **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**

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### **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**

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