Beechcraft
BY TEXTRON AVIATION

BONANZA G36

SPECIFICATION AND DESCRIPTION

JUNE 2022

SERIAL NUMBER E-4147 TO TBD

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TABLE OF CONTENTS

TABLE OF CONTENTS CONT

TABLE OF CONTENTS CONT

LIST OF FIGURES

INTRODUCTION

This Specification and Description provides general information about the design, performance, and standard equipment of the Bonanza G36 (Model G36), Serial Number E-4147 to TBD (hereinafter Bonanza G36 or Aircraft). Due to the lapse of time between the date of this publication and Aircraft delivery, Textron Aviation Inc. (hereinafter Seller) reserves the right to revise this Specification and Description when occasioned by product improvements, government regulations, or other good cause, as long as the revisions do not result in a material reduction in Aircraft performance. If there is a conflict between this Specification and Description and the Aircraft Purchase Agreement into which it is incorporated, the terms and conditions of the Aircraft Purchase Agreement control.

For further information contact:

Textron Aviation Contracts
Textron Aviation Inc.
P.O. Box 7706
Wichita, Kansas 67277-7706

Telephone: 316-517-6000
E-Mail: contracts@txtav.com

THE AIRCRAFT

1. GENERAL DESCRIPTION

The Bonanza G36 is a single-engine low-wing piston aircraft. The Aircraft has provisions for six passengers (six is standard) and is certified for a single pilot. The Bonanza G36 has one interior storage compartment for personal items, baggage, and cargo.

One Continental IO-550-B engine with one Hartzell three blade constant speed propeller power the Bonanza G36, and a Garmin G1000 NXi system provides pilots with a digital avionics suite.

1.1 Certification

The Bonanza G36 is certified in accordance with U.S CAR Part 3, Normal Category (3,805 lb), Utility Category (3,650 lb), including day, night, VFR and IFR.

1.2 Purchaser's Responsibility

International aircraft certification may require modifications to and the incorporation of additional equipment into the Aircraft. The Aircraft purchaser (Purchaser) is responsible for the costs of any such modifications and incorporation of additional equipment. In addition, the Purchaser is responsible for obtaining approval to operate the Aircraft from the relevant civil aviation authority and for understanding and complying with applicable crew requirements.

EXTERIOR DIMENSIONS

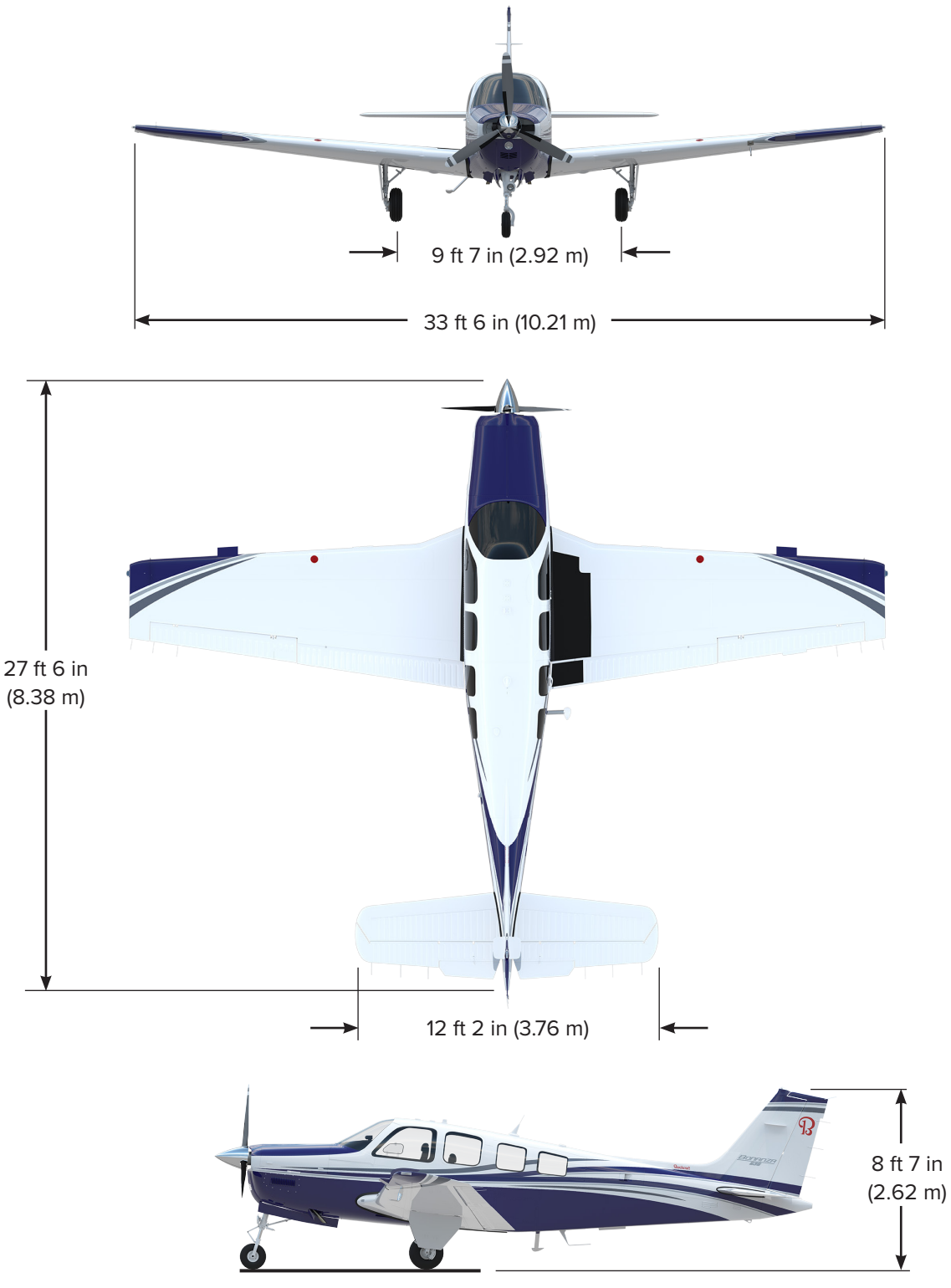

Figure 1: Exterior Dimensions

INTERIOR DIMENSIONS

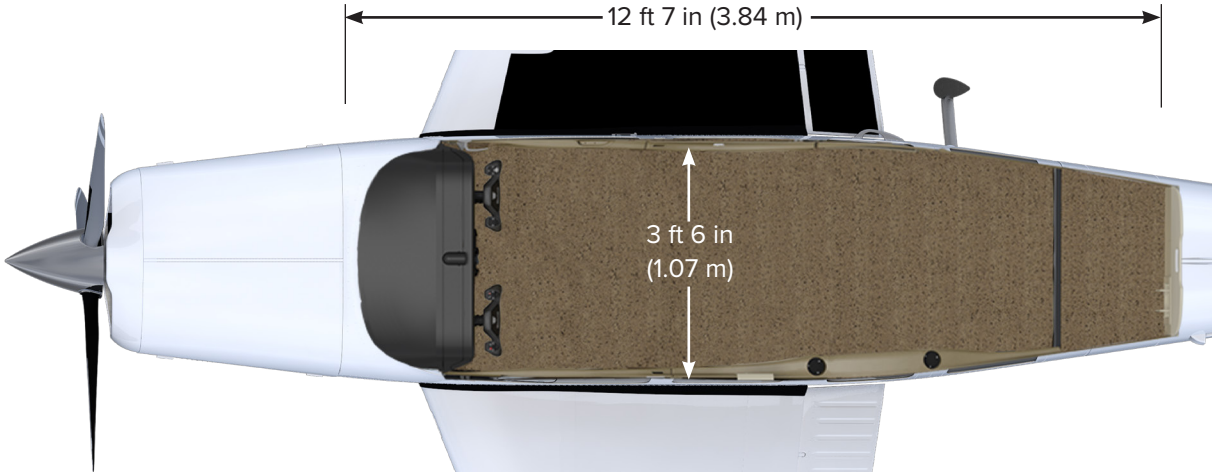

Figure 2: Interior Dimensions

1.3 Approximate Dimensions

OVERALL HEIGHT	8 ft 7 in (2.62 m)
OVERALL WIDTH	33 ft 6 in (10.21 m)
OVERALL LENGTH	27 ft 6 in (8.38 m)
WHEELBASE	9 ft 7 in (2.92 m)

WING	**SPAN** (overall) 33 ft 6 in (10.21 m)	**AREA** 181.0 ft^2 (16.81 m^2)	**SWEEP** (at 25% chord) 0°
HORIZONTAL TAIL	**SPAN** (overall) 12 ft 2 in (3.70 m)	**AREA** 33.6 ft^2 (3.12 m^2)	**SWEEP** (at 25% chord) 0°
VERTICAL TAIL	**HEIGHT** (overall) 8 ft 7 in (2.97 m)	**AREA** 15.6 ft^2 (1.45 m^2)	

CABIN INTERIOR (with typical interior)	**HEIGHT** (max) 4 ft 2 in (1.27 m)	**LENGTH*** 12 ft 7 in (3.84 m)	**WIDTH** (max) 3 ft 6 in (1.07 m)
		LENGTH** 7 ft 8 in (2.33 m)	

* Cabin Length: Forward bulkhead to aft bulkhead.
** Cabin Length: Cockpit seat backs to aft bulkhead.

1.4 Design Weights and Capacities

MAXIMUM RAMP WEIGHT	3,818 lb (1,732 kg)
MAXIMUM TAKEOFF WEIGHT	3,805 lb (1,726 kg)
MAXIMUM LANDING WEIGHT	3,805 lb (1,656 kg)
BASIC EMPTY WEIGHT	2,605 lb (1,182 kg)
FUEL CAPACITY (usable at 6.0 lb/gal)	444 lb (201 kg)

2. PERFORMANCE

All performance data is based on a standard aircraft configuration, operating in International Standard Atmosphere (ISA) conditions with zero wind. Takeoff and landing lengths are based on a flat, even, hard surface at sea level with dry runway. Actual performance will vary with the individual aircraft and other factors such as environmental conditions, aircraft configuration, and operational/ATC procedures.

TAKEOFF DISTANCE OVER 50 FT OBSTACLE (Maximum Takeoff Weight)	1,913 ft (583 m) @ 3,650 lb 2180 ft (664 m) @ 3,805 lb
TAKEOFF GROUND ROLL (Maximum Takeoff Weight)	962 ft (293 m) @ 3,650 lb 1300 ft (396 m) @ 3,805 lb
SERVICE CEILING	18,500 ft (5,639 m) @ 3,605 lb 17,500 ft (5,334 m) @ 3,805 lb
MAXIMUM CRUISE SPEED (+/- 3%) (6,000 ft [1,829 m] altitude; maximum cruise power 25 in. Hg (or full throttle) @2,500 rpm)	176 KTAS (326 km/hr) @ 3,605 lb 174 KTAS (322 km/hr) @ 3,805 lb
MAXIMUM FERRY RANGE (- 3%) (1 Pilot, VFR, Range allows for taxi, take-off, climb, cruise, descent, and VFR fuel reserve of 45 minutes at max. range power)	920 NM (1,704 km)
LANDING DISTANCE OVER 50 FT OBSTACLE (Maximum Landing Weight, Full Flaps)	1,650 ft (503 m) @ 3,605 lb 1,700 ft (518 m) @ 3,805 lb
LANDING GROUND ROLL (Maximum Landing Weight, Full Flaps)	920 ft (280 m)
CERTIFIED NOISE LEVELS (Complies with 14 CFR 36, Appendix G)	
Takeoff	TBD

3. DESIGN LIMITS

DESIGN LOAD LIMITS	
Flaps Up	-1.76 to +4.4G (Utility Category) -1.52 to +3.98G (Normal Catergory)
OPERATING LIMIT SPEEDS	
V_{NE} (Never exceed speed)	205 KIAS (380 km/hr)
V_{NO} (Max Structural Cruising Speed)	167 KIAS (309 km/hr)
V_{A} (Maneuvering Speed)	141 KIAS (261 km/hr) @ 3,605 lb 138 KIAS (256 km/hr) @ 3,805 lb
FLAP LIMIT SPEEDS	
V_{FE} (Flaps Approach)	154 KIAS (285 km/hr)
V_{FE} (Flaps Full Down)	124 KIAS (229 km/hr)
LANDING GEAR LIMIT SPEEDS	
V_{LO}	154 KIAS (285 km/hr)
V_{LE} (emergency operating)	154 KIAS (285 km/hr)

4. FUSELAGE

4.1 Design and Construction

The Bonanza G36 incorporates a semi-monocoque fuselage of metallic construction with an internal cabin.

4.2 Nose Section

The nose section forward of the firewall houses the Continental IO-550-B piston engine. This Aircraft is equipped with a one-piece plexiglass windshield which incorporates windshield defog and defroster.

4.3 Interior Spaces

The flight compartment and cabin are described in part 10 and 11 respectively.

4.4 Aft Fuselage

The aft fuselage contains an emergency locator transmitter.

5. WING

This Aircraft features a straight wing design with semi-monocoque construction incorporating dual spar structures from wing tip to wing tip.

Electrically driven flaps are attached to the trailing edges of each wing.

6. EMPENNAGE

The empennage features a conventional vertical and horizontal stabilizer configuration.

7. LANDING GEAR

7.1 Design and Construction

The landing gear is of the retractable, tricycle type with a nose wheel and two main wheels. For back-up operation, the landing gear can be manually extended using a crank handle.

7.2 Nosewheel Steering

The nose gear assembly is of conventional strut design. Nosewheel steering is mechanically actuated by the rudder pedals.

7.3 Brakes and Tires

Each main gear wheel is equipped with a hydraulically operated brake.

The Bonanza G36 is equipped with single wheels and tires (one nose gear and one each left and right main).

	PLY	SIZE
NOSE GEAR TIRE	4	5.0-5
MAIN TIRES	6	7.0-6

8. PROPULSION

8.1 Powerplant

The Aircraft is powered by one fuselage mounted Continental IO-550-B piston engine.

The propulsion system is operated by the throttle, propeller and mixture levers.

TAKEOFF POWER RATING (at sea level)	300 SHP
TIME BEFORE OVERHAUL	1,900 HR

8.2 Propeller

The engine is equipped with a Hartzell constant speed, variable pitch three blade, aluminum propeller.

9. SYSTEMS

9.1 Flight Controls

The manually operated dual Primary Flight Controls (PFCs) are mechanically operated through a push rod and cable system. The PFCs consist of one aileron on each wing, one elevator on the horizontal tail and one rudder on the vertical tail.

The secondary control system provides manual and electric trim for the pitch system, roll trim from the manually operated roll trim surfaces and yaw trim from the manually operated rudder trim surfaces.

9.2 Fuel System

The Bonanza G36 features a conventional fuel system requiring minimum management. The fuel capacity consists of two 40-gallon cells (37 gallons usable). A visual measuring tab is attached to each filler neck of each individual cell.

The engine is designed to operate on aviation gasoline grade 100LL (blue) or grade 100 (green). However, the use of grade 100LL is preferred.

Total useable fuel is 74 gal (280L).

9.3 Electrical System

The Aircraft's 28-volt direct control electrical system is powered by two 100-amp gear driven alternators located on the engine and two main batteries. Battery 1 is a 24-volt, 10 amp-hour, lead acid battery, which is located on the forward right side of the firewall. Battery 2 is a 24-volt, 3.5 amp-hour, sealed lead acid battery, which is located on the cabin side of the firewall. Power is supplied to the left and right buses and associated smaller buses through the independent alternators and batteries.

In the event of inoperative alternators or a closed bus tie relay each battery is capable of supplying power to the entire electrical system. In addition, if power is lost to the right bus (or to the L CB PANEL BUS powered by the right bus) a sealed lead acid battery will power the standby attitude indicator for a minimum of one hour if the battery is fully charged.

9.4 Exterior Lighting System

9.4.1 Primary

Standard exterior LED lighting consists of two-in-one position/anti-collision lights enclosed in each wingtip and on the stinger, a red flashing beacon located on top of the vertical stabilizer, a steerable taxi light mounted to the nose landing gear and a landing light mounted in the nose cowling behind the propeller. Additionally, LED recognition lights are installed in each wingtip and operate with the landing light.

9.5 Environmental System

The environmental system consists of air conditioning, heating and ventilation systems. Cabin temperature control is provided by a fully automatic climate control system and is controlled by a fully automatic electronic control unit.

10. FLIGHT COMPARTMENT

10.1 General

The Garmin G1000 NXi system is the featured avionics suite on Bonanza G36. This avionics suite features two full-color, 10-inch high resolution flight displays.

Dual flight controls are provided including conventional dual control columns, adjustable rudder pedal and brakes. Pilot and co-pilot seats feature an adjustable headrest, adjustable lumbar support, shared armrest and inertia reel shoulder harness. The power quadrant features pull out dual cup holder, pen holder and shallow storage. A pilot sidewall storage pocket is included in the flight compartment.

Illuminated panels, instrument floodlights, control wheel map lights and ambient lighting are standard in the flight compartment.

10.2 Instrumentation

1. Pilot's Primary Flight Display (PFD)	7. Flap Control
2. Multi-Function Display (MFD)	8. Environmental Control Panel
3. Audio Panel	9. Exterior Lighting Control
4. Electronic Standby Instrument	10. Powerplant Controls
5. Landing Gear Handle	11. Automatic Flight Control System
6. Throttle Lever	

Figure 3: Instrumentation

10.3 Avionics

The Garmin G1000 NXi integrated avionics system includes the Garmin Integrated Flight Deck (GIFD), flight crew radio communications, navigation receivers, Engine Indicating System, Crew Alerting System, Automatic Flight Control System, and Attitude/Heading Reference System.

During the normal course of aircraft manufacturing, maintenance, and operation, technicians install or update certain software and data onto standard and optional avionics and other equipment. During the course of such installation, it may be necessary to digitally "accept" or otherwise consent to certain supplier required end-user license agreements ("EULA") and other terms and conditions in order to proceed with the software or data installation process. These are commonly referred to as "click-wrap" or "click-through" digital agreements. Purchaser hereby authorizes and consents to technicians clicking "accept" on such agreements and agrees to be bound by the terms of such agreements. Purchaser acknowledges and agrees to independently review such "click-wrap" agreements.

10.3.1 Flight Displays

The GIFD includes two 10 inch, high- resolution Liquid Crystal Displays (LCDs) in widescreen, landscape orientation. The left display is the Primary Flight Display. The Multi-Function Display is the right display.

10.3.1.1 Primary Flight Display (PFD)

The PFD is located on the pilot's instrument panel. The PFD displays flight information, moving map imagery, and color-coded Crew Alerting System messages.

10.3.1.2 Multi-Function Display (MFD)

The MFD, located in the co-pilot's instrument panel, displays a detailed moving map, terrain, traffic and weather information, and a dedicated engine and systems information window. Display of electronic charts and taxi diagrams are included.

Multiple reversionary modes provide for control redundancy.

Applicable subscription services are the Purchaser's responsibility. Applicable options must be purchased to display terrain, traffic and weather.

10.3.2 Garmin's Integrated Avionics Unit (GIA)

Dual Integrated Avionics Units include the Global Positioning System with Wide Area Augmentation System (WAAS) receivers, Very High Frequency (VHF) communication radios, VHF navigation radios, and glideslope receivers in addition to supporting input-output processing, aural alert generation, and Flight Director functions.

10.3.2.1 Global Positioning System (GPS)

The G1000 NXi system includes dual GPS with WAAS receivers as part of the GIA.

10.3.2.2 Very High Frequency Radio (VHF)

The G1000 NXi system includes two standard VHF communication radios that are part of the GIA. The VHF communication radios are controlled by the flight crew via the audio panel controls.

10.3.2.3 Navigation Receivers

The G1000 NXi system includes two standard VHF navigation radios as part of the GIA.

10.3.3 Engine Indicating System (EIS)

The Engine Indicating System (EIS) displays electrical, fuel and engine information on the left side of the MFD.

10.3.4 Crew Alerting System (CAS)

The Crew Alerting System (CAS) displays Warning Messages (red), Caution (yellow), Advisories (white) on the PFD. The annunciation window is to the right of the altimeter and vertical speed indicator.

10.3.5 Flight Guidance System (FGS)

The GFC-700 Automatic Flight Control System (AFCS) is part of the Garmin G1000 NXi. The AFCS can be divided into the following functions:

- Flight Director—The Flight Director provides vertical/lateral mode selection and processing, command bars showing pitch/roll guidance, and pitch/roll commands to the autopilot.

- Autopilot—The autopilot provides automatic flight control in response to Flight Director steering commands and attitude and rate information.

- Yaw Damper—The yaw damp actuator provides Dutch roll damping and turn coordination in response to yaw rate, roll angle, lateral acceleration and airspeed.

- Automatic Pitch Trim—The pitch trim system provides automatic pitch trim when the autopilot is engaged.

Applicable subscription services are the Purchaser's responsibility.

10.3.6 Attitude/Heading Reference System (AHRS)

The Attitude/Heading Reference System (AHRS) includes two units that provide attitude and heading reference information.

10.3.7 Transponder with ADS-B In/Out Capability

The Garmin GTX 345R remote-mount transponder has 1090 MHz ADS-B "Out" and dual-link ADS-B "In".

10.3.8 Emergency Locator Transmitter (ELT)

The Artex 1000 2-frequency (GPS navigational interfaced) Emergency Locator Transmitter (ELT) consists of the ELT transmitter located in the aft fuselage area, an antenna mounted on the aft fuselage and a remote switch with a red transmit light located on the instrument panel.

10.3.9 Standby Instrumentation

An electronic standby indicator is mounted on the left side of the instrument panel. It is a self-contained air data and attitude/heading reference system and is connected to the airplane's pitot and static systems. The electronic standby indicator remains operational in the event of a complete electrical failure using a backup battery with a minimum of 60 minutes of run time.

A standby magnetic compass is a self-contained, non-stabilized compass that will provide magnetic heading should the electric heading reference fail.

11. INTERIOR

11.1 Cabin

Entry to, and exit from the airplane is accomplished through an entry door located on the forward right side of the fuselage and aft dual cabin doors located on the right rear side of the fuselage, allowing for ease of loading and unloading of passengers and baggage. The cabin extends from the cockpit to the rear baggage area and provides a cabin height of 50 in (1.27 m). Emergency egress is provided through two openable center windows.

The cabin design is spacious, comfortable and versatile to accommodate a variety of missions via flexible seating configurations. The standard configuration consists of club seating with third and fourth seats facing aft and fifth and sixth seats facing forward. Optional seating arrangements include all forward facing seats, removal of fifth and sixth seats or removal of third, fourth, fifth and sixth seats without the need of special tools or mechanics making it easier to accommodate a variety of cargo requirements.

The following are included in the typical arrangement:

- Four pedestal-mounted passenger seats with adjustable headrests and lumbar support;
- Adjustable air vent at each seat position;
- Two power ports in the cockpit and a power port at every passenger seat location; and
- Two cup holders molded into the LH cabin sidewall which incorporates discreet LED lighting.

Figure 4:
Typical Configuration

11.2 Entertainment

The passengers have access to a personal Multimedia Jack Panel, which can be used for listening to music on personal devices as well as plugging in headphones. Each passenger seat location has a headseat and microphone jack which can be used to communicate with others onboard the aircraft.

11.3 Windows

Eight gray tinted and UV protected windows are installed in the cabin. The pilot's side window incorporates a spring latched weather window. The forward passenger windows may be opened for ground ventilation and emergency egress.

11.3.1 Interior Lighting System

Interior lighting includes a LED backlit instrument panel, a cabin reading light located above each seat and a map light on each yoke. A light is located above the entry step on the right-hand side of the Aircraft. Aircraft flood lights and a baggage light illuminate upon opening any external door.

11.4 Interior Storage

An interior baggage compartment located behind the rear seats allows for in flight access to the storage compartment. The compartment is also accessible through the utility doors on the right side of the fuselage.

	WEIGHT	VOLUME
BAGGAGE AREA Max: 20 in (0.51 m) L x 32 in (0.81 m) W x 28 in (0.71 m) H	70 lb (32 kg)	10.0 ft^3 (0.28 m^3)

12. EXTERIOR

Distinctive exterior styling featuring polyurethane paint in a variety of colors is provided.

The available registration number of Purchaser's choice will be painted on the Aircraft at no additional cost to Purchaser. It may be necessary to use a temporary registration number until the number selected by Purchaser is assigned to the Aircraft by the appropriate aviation authority.

13. LOOSE EQUIPMENT

Cargo Web

Control Lock

Electronic Checklist

Flight Bag

Fuel Tester and Drain Tool

Keys

Pitot Tube Cover

Tow Bar

14. EMERGENCY EQUIPMENT

Fire Extinguisher

15. DOCUMENTATION AND TECHNICAL PUBLICATIONS

The following will be provided to Purchaser.

Print material:

Aircraft Technical Log, Section 3, Engine

Aircraft Technical Log, Section 3, Propeller

Avionics Pilots Guides

Flight Log

Pilot's Checklist

Pilot's Operating Manual/Aircraft Flight Manual

Maintenance Information Sheet

Maintenance/Inspection Log

Supplementary Log

Available at ww2.txtav.com with a current subscription:

Component Maintenance Manual

Maintenance Manual

Parts Manual

Wiring Diagram Manual

Documents containing instructions for continued airworthiness are provided via **ww2.txtav.com.**

Available post-delivery:

Seller will provide online access to (i) Pilot's Check List, (ii) Pilot's Operating Manual/ Aircraft Flight Manual, and (iii) the Maintenance Library for one (1) year beginning on start date of the airframe warranty. Continued online access is available through a paid subscription which is Purchaser's responsibility.

Purchaser will receive Safety of Flight Information on paper at no cost to Purchaser for as long as Purchaser owns the Aircraft. For more information on this free service contact TMDC@txtav.com.

Seller's Documentation and Technical Publications include proprietary data which is to be used solely for direct maintenance and operation of the Aircraft. Any other use of Seller's proprietary data requires a data license agreement to be separately negotiated. Using Seller's proprietary data to modify the Aircraft is one example of when a separate data license agreement is required.

16. LIMITED WARRANTIES

The Seller's Bonanza G36 Limited Aircraft Warranty (Limited Aircraft Warranty) covers the Aircraft Structure, other Aircraft parts (except avionics, engines, and the propeller), Interior Furnishings and Paint. The avionics are warranted by Garmin International, Inc. (Garmin). The Aircraft engine is warranted by Continental Aerospace Technologies (Continental). The propeller is warranted by Hartzell Propeller Inc. The Limited Aircraft Warranty and summaries of Garmin's avionics, Continental's engine and Hartzell's propeller limited warranties are set out below.

16.1 Limited Aircraft Warranty

PERIODS

The Seller warrants each new Beechcraft Bonanza G36 to be free from defects in material and workmanship for the following periods after delivery of the Aircraft to Purchaser:

(a) Five years on Aircraft Structure (fuselage, empennage, wing and control surfaces), and;

(b) Two years or 800 operating hours, whichever occurs first, for each part of the Aircraft not mentioned in (a) above, above, except avionics, engine and the propeller, and;

(c) Two years or 400 operating hours, whichever occurs first, for Interior Furnishings and Paint.

Any remaining term of this Limited Aircraft Warranty automatically transfers to subsequent purchasers of the Aircraft.

Definitions

Support Facility means Textron Aviation Parts Distribution, Textron Aviation-owned service facilities, and service facilities authorized by Textron Aviation to perform warranty service on the Aircraft.

Service Facility means Textron Aviation-owned service facilities and service facilities authorized by Textron Aviation to perform warranty service on the Aircraft.

Warranty Holder means Aircraft owner.

Seller's Obligation

Parts

Seller's obligation under this Limited Aircraft Warranty is limited to repairing the defective part or replacing the defective part with an exchange part, in Seller's sole discretion, when:

(a) the failure occurs within the applicable warranty period;

(b) all of the following occur within 30 days of failure for a U.S. Warranty Holder and 45 days of failure for an international Warranty Holder:

(i) a claim is made and a Textron Aviation Return Authorization is issued;

(ii) the part is returned at the Warranty's Holder's expense to the Support Facility from where the replacement part is procured; and

(iii) the return part is accompanied by the Textron Aviation issued Return Authorization; and

(c) the Support Facility identifies the part and determines the part is defective.

The Seller may refuse a warranty claim not submitted within the above time frame.

Replacement parts are only warranted for the remainder of the applicable, original Limited Aircraft Warranty period. In other words, a new warranty period is not

established for replacement parts.

No Aircraft part or equipment will be regarded as breaching this Limited Aircraft Warranty merely because, subsequent to its delivery, some modification or alternation becomes necessary for product improvements or in order to meet a change in the requirements of applicable Federal Aviation Regulations.

Service

Service under this Limited Aircraft Warranty must be performed at a Service Facility. The Warranty Holder will not be charged for parts or labor covered by this Limited Aircraft Warranty. The location of Service Facilities is available on the Seller's website.

Warranty Holder's Responsibility

All freight, transportation expenses, import duties, customs brokerage fees, sales taxes and use taxes, if any, on warranty repairs or replacement parts are the Warranty Holder's sole responsibility. The Warranty Holder is responsible for the cost of getting the Aircraft to and from a Service Facility.

Application

This Limited Aircraft Warranty applies to Aircraft operated under normal, conventional, non-military use. It applies only to the repair or replacement of defective parts that have been used, maintained, and operated in accordance with the Federal Aviation regulations and the applicable manuals, bulletins, communications, or other written instructions of the Aircraft or component manufacturers.

Limitations

This Limited Aircraft Warranty does not apply to:

(a) normal maintenance services (such as engine adjustments, cleaning, control rigging, brake and other mechanical adjustments, and maintenance inspections);

(b) the replacement of service items (such as brakes, lights/bulbs, filters, de-ice boots, hoses, belts, tires, batteries, rubber-like items, fuel or lubricants);

(c) normal deterioration of appurtenances (such as paint, cabinetry, and upholstery);

(d) damage due to wear, exposure, environmental elements, and neglect;

(e) parts, components or systems that have been modified or altered after delivery other than by the Aircraft manufacturer or in accordance with an alternation scheme approved in writing by Textron Aviation;

(f) items that have been subjected to misuse, abuse, negligence, accident,

foreign object damage (FOD);

(g) items that have been installed, repaired, or altered by repair facilities not authorized by Textron Aviation;

(h) items that, in Textron Aviation's sole discretion, have been installed, repaired, or altered by other than Textron Aviation-owned service facilities contrary to applicable manuals, bulletins, and other written instructions provided by Textron Aviation so that the performance, stability, or reliability of such items are adversely affected;

(i) any part or system that has been modified or altered by a third party at the Warranty Holder or its predecessor's request and any part or system of the Aircraft affected by such modified or altered part or system;

(j) vendor subscription services (including for items covered by the Limited Aircraft Warranty), software and databases (collectively "Services"), and patches, replacements, revisions, updates or upgrades (collectively "Updates") and any impairment to the Aircraft or its components caused by Services or Updates; and

(k) Warranty Holder or predecessor's furnished equipment.

The warranty provided for life-limited parts is pro-rated. For Aircraft components, parts, or systems with life limitations Seller's liability under this Limited Aircraft Warranty is limited to the remaining pro-rated life of the defective part, calculated as of the date the defect is discovered and reported to Seller and per additional terms administered by Textron Aviation's Warranty Department. Nothing about this provision will be construed to extend the total warranty period beyond the applicable Periods set out above. All warranty Periods expires as noted above, regardless of any remaining life limits on parts.

WITH THE EXCEPTION OF THE WARRANTY OF TITLE AND TO THE EXTENT ALLOWED BY APPLICABLE LAW, THIS LIMITED AIRCRAFT WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, IN FACT OR BY LAW, APPLICABLE TO THE AIRCRAFT. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. SELLER SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES OF REPAIR OR REPLACEMENT OF THE DEFECTIVE PART(S) AS SET OUT HEREIN ARE THE ONLY REMEDIES UNDER THIS LIMITED AIRCRAFT WARRANTY. SELLER EXPRESSLY AND SPECIFICALLY DISCLAIMS ALL OTHER REMEDIES, OBLIGATIONS, AND LIABILITIES, INCLUDING, BUT NOT LIMITED TO, LOSS OF AIRCRAFT USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOSS OF PROFITS, LOSS OF GOODWILL, DIMUNITION OF MARKET VALUE, AND ANY AND ALL OTHER CONSEQUENTIAL, INDIRECT, INCIDENTAL, SPECIAL, MULTIPLE OR PUNITIVE DAMAGES, OR ANY

DAMAGES TO THE AIRCRAFT CLAIMED BY PURCHASER OR ANY OTHER PERSON OR ENTITY UPON THE THEORIES OF NEGLIGENCE OR STRICT LIABILITY IN TORT. SELLER NEITHER ASSUMES NOR AUTHORIZES ANYONE ELSE TO ASSUME ON ITS BEHALF ANY FURTHER OBLIGATIONS OR LIABILITY PERTAINING TO THE AIRCRAFT NOT CONTAINED IN THIS LIMITED AIRCRAFT WARRANTY.

THIS LIMITED AIRCRAFT WARRANTY WILL BE CONSTRUED UNDER THE LAWS OF THE STATE OF KANSAS AND ANY DISPUTES AND/OR CLAIMS ARISING THEREFROM WILL BE EXCLUSIVELY RESOLVED IN THE STATE AND/OR FEDERAL COURTS LOCATED IN WICHITA, KANSAS. THE PARTIES CONSENT TO PERSONAL JURISDICTION IN THE FORUM CHOSEN AND WAIVE THEIR RIGHT TO JURY TRIAL. ANY ACTION BY PURCHASER FOR BREACH OF THIS WARRANTY MUST BE COMMENCED WITHIN ONE (1) YEAR AFTER THE CAUSE OF ACTION ACCRUES. THE CAUSE OF ACTION ACCRUES WHEN THE PURCHASER FIRST LEARNS THAT THE WARRANTY HAS BEEN BREACHED.

16.2 Summary of Garmin Avionics Limited Warranty

The avionics are warranted by Garmin.

2-Year Limited Warranty Policy

This GARMIN Product is warranted to be free from defects in materials or workmanship for two (2) years from the date of purchase. Within this period, GARMIN will at its sole option, repair or replace any components that 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 with the unit or software 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.

Note: Other (non-Garmin) avionics equipment is warranted by their respective manufacturers for varying periods of time. Details of these programs are available upon request.

Note: If there is any discrepancy between the information contained herein and applicable Garmin warranty documents the latter controls.

16.3 Summary of Continental Engine Limited Warranty

The engines are warranted by Continental.

Continental warrants each new gasoline engine as follows:

1. For a period of thirty six (36) months, or until expiration of the engine's recommended Time Between Overhaul (TBO), whichever occurs first, Continental warrants that any engine, component or part to be free from defects in material or workmanship. The determination whether an engine, component or part is defective in material or workmanship shall be made by Continental, in its sole judgment. This warranty is a limited repair or replacement warranty on an exchange basis, subject to the limitations set forth below.

2. For a period of twenty-four (24) months, Continental warrants that any accessory (i.e. parts which have been purchased by Continental from a manufacturer as a complete and finished unit and included in the assembly of an engine without altering the unit, including, but not limited to, carburetors, starters, alternators, turbochargers and fuel controls), to be free from defects in material or workmanship. After the expiration of the initial twenty-four (24) month period, accessories will be subject to such warranty coverage as may be provided by their manufacturer.

3. The warranty activation date is the date the airplane is placed into service by the first aircraft Purchaser, or the 180th day after the Continental invoice date, whichever occurs first. If the Aircraft is used as a demonstrator, the warranty date shall be the date the aircraft manufacturer places the Aircraft into service, or the 180th day after the Continental invoice date, whichever occurs first.

4. For warranty questions or to submit a warranty claim, contact Textron Aviation Warranty Department at 316.517.2458, or e-mail warranty@txtav.com. As part of its warranty claim review, Textron Aviation may require that the engine, part, component or accessory be returned to Textron Aviation. for inspection and analysis. All warranty claims must be submitted to Textron Aviation during the warranty period, and within thirty (30) days of any suspected defect in material and workmanship.

5. Continental will pay for labor costs associated with repairs or replacements in accordance with the latest revision of the warranty labor allowance schedule published on Continental's website. Reasonable troubleshooting costs will be allowed, but in no event will the troubleshooting costs exceed fifteen percent (15%) of the labor costs associated with repairs or replacements. Troubleshooting costs will not be allowed when the need for repair or replacement is identified in the course of an overhaul, routine maintenance, or on the basis of an obvious defect.

6. Continental will pay transportation costs in connection with the repair or replacement of any engine, component or part. The engine, component, or part must be shipped prepaid to the repair facility designated by Continental. Transportation cost reimbursement for engines will be the actual surface freight charge, or five hundred dollars ($500.00), whichever is less. Transportation cost reimbursement for components or parts will be the actual surface freight charge for shipment of the component or part, or the currently published UPS surface rate schedule, whichever is less.

7. Continental reserves the right at its option to replace any defective engine, component, or part with either a new or rebuilt engine, component, or part.

8. Repair or replacement of any engine, component, or part under this warranty will not extend the period of warranty coverage set forth above.

9. This warranty applies only to engines, components and parts manufactured by Continental, and nothing contained herein should be construed as a warranty by Continental for any engine, component, or part not manufactured or supplied by Continental.

10. This warranty applies only to engines which have been installed, inspected and maintained in accordance with the instructions for continued airworthiness, including compliance with all applicable service bulletins, including those issued by the aircraft manufacturer or any accessory or component manufacturer. Performance of recommended inspections and maintenance must be documented by appropriate logbook entries and the logbook must accompany any engine being returned for warranty consideration.

11. This warranty does not apply to any engine, component, or part manufactured or supplied by Continental which (1) has been subject to misuse, neglect, or accident; (2) has been installed, repaired, maintained or altered in any way that in the sole judgment of Continental has adversely affected the condition of the engine; (3) has been operated inconsistent with applicable engine and aircraft manufacturer recommendations and limitations, such as, but not limited to engine RPM, temperature, manifold pressure, fuel flow and proper system adjustment; or (4) has been changed from its original certificated configuration.

12. This warranty does not apply to any engine, component, or part damaged or

worn as a result of corrosion, pre-ignition/detonation, operation with non-calibrated engine gauges, improper fuel system adjustment, non-approved fuel and oil grades or additives, or installation of components, parts, or accessories that alter the engine's original type design.

13. This warranty does not apply to normal maintenance service (such as engine tune-ups, adjustments, or inspections), engine or component overhaul in accordance with the published TBO, or to the replacement of normal service items (such as spark plugs, filters, hoses, and belts etc.).

14. THIS WARRANTY IS A WARRANTY TO REPAIR OR REPLACE AND IS NOT A WARRANTY OF THE CONDITION OR FUTURE PERFORMANCE OF THE PRODUCTS WHICH IT COVERS. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED. SPECIFICALLY, BUT WITHOUT LIMITATION, THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL CONTINENTAL BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT WITHOUT LIMITATION, DAMAGE TO OTHER PROPERTY INCLUDING THE AIRCRAFT, LOSS OF TRANSPORTATION OR USE OF AIRCRAFT, PERSONAL OR COMMERCIAL LOSSES, LOSS OF REVENUE, LOST PROFITS, LOSS OF TIME, COST OF RENTAL AIRCRAFT, FUEL, TELEPHONE, TRAVEL, MEALS OR LODGING, OR DAMAGE RELATED TO GROUNDING OF AIRCRAFT.

15. This warranty, exclusions, limitations and disclaimers are all governed by the law of the State of Alabama, excluding its conflicts of laws rules.

Note: If there is any discrepancy between the information contained herein and applicable Continental warranty documents the latter controls.

16.4 Summary of Hartzell Propeller Limited Warranty

The propeller is warranted by Hartzell Propeller, Inc.

Hartzell Propeller Inc. ("Hartzell") warrants that it will repair or replace defects in material or workmanship in the components of a product manufactured by Hartzell and installed by Textron Aviation Inc. on the Bonanza G36 aircraft including a de-ice boot, for a period of thirty-six (36) months from the date the product is first placed into service, or for the first 1,000 operating hours of use of the product, whichever occurs first, subject to the other terms and conditions of this limited warranty.

All of the products identified above are hereinafter referred to as the "Products," and their components hereinafter referred to as "Components."

Disclaimer or limitation of warranties

Unless prohibited by applicable law, and except for the limited warranties set

forth above, Hartzell hereby disclaims any and all express and implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose. In the event disclaimer of implied warranties is not permitted under applicable law, such implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited in duration and in scope of coverage to the duration and scope of coverage of the limited warranty.

Some states do not allow limitations on how long an implied warranty lasts, so above limitation may not apply to you.

Terms and conditions of limited warranty coverage

In order to obtain coverage under Hartzell's limited warranty, the Purchaser must notify Hartzell in writing of the warranty claim as soon as possible after obtaining knowledge of the potential claim, and in any event not later than ten (10) days following expiration of the limited warranty. Hartzell may withhold warranty repairs pending proof from Purchaser of the date the Product was placed into service, including a fully completed warranty registration card. Hartzell shall provide warranty repair or disposition instructions based on a written statement from the Purchaser describing the alleged defect. All initial transportation and handling charges must be prepaid by the Purchaser until warrantability is determined by Hartzell, at which time Hartzell may reimburse none, some, or all of these charges, at Hartzell's discretion. In the event Hartzell determines, at its sole discretion, that the Product or Component thereof is covered under the limited warranty, Hartzell shall, at its election, either: (1) Have the Product or Component repaired and returned to Purchaser; (2) Deliver to Purchaser a replacement Product or Component; or (3) Issue a credit to the Purchaser in the amount of the actual purchase price for the Product. Hartzell reserves the right to replace Products or Components with remanufactured or re-designed Products or Components of substantially equivalent quality. All warranty repair work will be accomplished at Hartzell's principal place of business, a Hartzell Recommended Service Facility, or a third-party location pre-approved in writing by Hartzell. In the event Hartzell determines that the alleged defect is not covered by the limited warranty, the Product or Component will be returned to Purchaser, as is, transportation and handling charges collect.

The only remedies under this limited warranty are as set forth above. Any Product repaired, or replacement Product provided, shall retain the balance of the limited warranty provided for herein. This limited warranty is not transferable to any person or entity. This limited warranty does not extend to future performance of a Product.

What is not covered by this limited warranty

This limited warranty does not provide coverage for any of the following:

1. Normal maintenance and service.

2. Consumable Products and Components, and Products and Components that have reached the end of their normal usable life.

3. Product components not manufactured by Hartzell, which components may or may not be covered under warranties made by the manufacturers of those components.

4. Products and Components not purchased through Hartzell or one of its authorized distributors, or any Products or Components purchased by way of auction, salvage, or repossession.

5. Conditions, damage, or issues caused by, in whole or in part, or in any way related to:

a. Accident, misuse, theft, or negligence.

b. Failure to comply with any instruction provided by Hartzell or its suppliers with respect to the use, operation, maintenance, or service of the Products.

c. Alteration or modification of the Products or any Components.

d. Acts of God or other environmental conditions.

e. Use of the Products for purposes other than their normal use.

f. Failure to seek and obtain warranty coverage in a timely matter.

g. Deterioration or fading due to wear, exposure, or other cause, including but not limited to rust, cosmetic blemishes, and discoloration.

h. Acts or omissions of any person or entity other than Hartzell.

Disclaimer of Incidental and Consequential Damages

Hartzell hereby disclaims any and all incidental, consequential, special, direct, and indirect damages arising out of or relating to the Products, including but not limited to loss of use, inconvenience, lost profits, cover, rental replacements, costs and expenses of “troubleshooting,” and transportation and delivery expenses not pre-approved in writing by Hartzell. In no event shall Hartzell’s liability with respect to any Product, whether under this limited warranty, any implied warranty, in tort, or otherwise, exceed the price paid by Purchaser for the Product. These disclaimers are independent of any failure of the essential purpose of any warranties or remedies provided to Purchaser, and shall survive any determination that a warranty or remedy failed of its essential purpose.

Some states do not allow the exclusion or limitation of incidental or consequential

damages, so the above limitation or exclusion may not apply to you.

Statute of Limitations

No action may be brought against Hartzell for breach of its limited warranty, any applicable implied warranty, or for any other claim relating to the Product, more than ten (10) days after expiration of the applicable limited warranty period.

Governing Law

This limited warranty shall be governed by, construed, and enforced in accordance with the laws of the State of Ohio, without reference to conflict of law principles. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to this limited warranty.

No Authority

No person or entity has authority to alter the terms of this limited warranty or make any warranties or representations on behalf of Hartzell.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Hartzell Propeller Inc.
One Propeller Place
Piqua, Ohio 45356

Phone: 937-778-4320

Note: If there is any discrepancy between the information contained herein and applicable Hartzell warranty documents the latter controls.

17. FAMILIARIZATION TRAINING AGREEMENT

Seller will provide to Purchaser, as part of the Total Purchase Price for the Aircraft, a training package consisting of a familiarization training program for one (1) pilot subject to the following terms:

1. The familiarization training will be conducted by Textron Aviation Pilot Training ("TAPT") located in Wichita, Kansas or at another TAPT training location determined by Seller.

2. TAPT will employ its standard established familiarization training curriculum which is reasonably calculated to result in a Factory Training Course Certificate and Record of Training. The curriculum consists of four (4) days of ground school and flight familiarization. Flights will be conducted in Purchaser's Aircraft or equivalent Aircraft provided by Seller. If additional ground and/or flight familiarization is requested beyond the established course syllabus, the schedule, number of

flight hours, and other details will be mutually agreed upon between Purchaser and TAPT at that time. All associated expenses for additional ground and/or flight familiarization will be Purchaser's responsibility.

3. Seller and TAPT cannot guarantee or otherwise assure successful completion of familiarization training, or ultimate qualification for any license, certificate, or rating. Neither Seller nor TAPT will be responsible for the competency of Purchaser's pilot(s) during and/or following familiarization training. Neither Seller nor TAPT assumes any responsibility or liability for training delay or incompletion due to factors beyond their control. To complete the in-aircraft portion of the familiarization training the trainee must be proficient in English.

4. All training must be completed within, and no later than, twelve (12) months following the delivery date of the Aircraft. No credit or any other financial adjustment will be allowed for any training not completed within the twelve (12) month period. TAPT will schedule all training, provide Purchaser specific details regarding the familiarization training course, course requirements, and completion options, and endeavor to schedule training at a time convenient for Purchaser.

5. Purchaser will be responsible for all expenses incurred by the individual taking training, including, but not limited to: food, lodging, transportation, car rental, and all costs of operating, maintaining, and insuring its Aircraft if used for training. Purchaser will also be responsible for all costs involved in acquiring an interpreter (for the ground school portion of the familiarization training) if the individual taking training is not proficient in English.

6. Purchaser and trainee hereby release and will indemnify and save harmless Seller and TAPT, their respective officers, employees, agents, subcontractors, and insurers (collectively "Indemnified Parties") against any and from all liability, claims, actions, and causes of action whatsoever, including any claims for damage to the Aircraft, regardless of the cause thereof (excluding however, any liability or claim relating to the manufacture of the Aircraft and the negligence or willful misconduct of the Indemnified Parties) and all expenses in connection therewith (including reasonable attorney's fees) arising directly or indirectly out of or in connection with use of the Aircraft for the familiarization training described above.

Purchaser's execution of Aircraft Purchase Agreement constitutes Purchaser's acceptance of the foregoing terms and conditions.

Additional training to satisfy certification and/or operational requirements of Purchaser's cognizant Civil Aviation Authority ("CAA") is outside the scope of the familiarization training provided by TAPT described above.

Beechcraft®

BY TEXTRON AVIATION

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June 2022
SD-PIST-G36-0622