

# TEXTRON AVIATION

## SPECIAL MISSIONS



PRODUCT CATALOG



BY TEXTRON AVIATION

May 2022

# SPECIAL MISSIONS

## PRODUCT CATALOG

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### **PURPOSE**

This catalog describes available configuration options and modifications for aircraft customization offered by the Special Mission Aircraft Systems organization of Textron Aviation and its suppliers. The Textron Aviation Special Mission Aircraft Systems organization can provide OEM expertise to assist with design, certification and installation of modifications specifically tailored to meet individual requirements.

### **STANDARD GENERAL TERMS**

Textron Aviation standard terms and conditions are applicable to all items offered in this catalog. Textron Aviation will, where possible, accommodate specific contractual requests.



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# CARAVAN



# GRAND CARAVAN



BY TEXTRON AVIATION

## Electrical Load Analysis

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**OPTION TYPE:**

Not Applicable

**OPTION WEIGHT (LBS):**

**DESCRIPTION**

An aircraft-specific electrical load analysis (ELA) report can be developed to assist non-OEM third parties with post-delivery aircraft modification and certification. An ELA lists the electrical equipment and the associated electrical loads on the sources of electrical power as installed on the airplane prior to delivery unless otherwise noted. It shows that generator capacity is sufficient to supply the electrical load during day or night operations under hot or cold day conditions while maintaining a full charge on the aircraft batteries. This report also calculates the length of time each battery is able to supply power to essential equipment during battery-only emergency conditions.

## Extended Baggage with Cargo Door

---

**OPTION TYPE:**

STC  
SA04388CH

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This option includes additional storage and better weight distribution with a design that is available in a variety of configurations to best suit your needs. This option can be installed on any 208 or 208B Caravan with or without floats and is designed as a single piece assembly to be more easily removable for maintenance access. Also, it can be custom finished to match or compliment aircraft interior for an additional cost with multiple tie-downs to secure cargo and rubber coin-mat floor to prevent sliding. This option also adds expanded access under cargo floor while still offering compatible configurations for Divan, AC and amphibious hydraulic pump. The extended avionics shelf kit is available to allow for flexibility in reconfiguration of avionics that may have been retrofitted in this area (i.e. ADS-B) that would interfere with the extended baggage installation. Finally, for seaplanes with amphibian hydraulic systems, the assembly is equipped with a clear cover making it easy to check fluid levels.





## Amphibious Floats

---

### OPTION TYPE:

STC  
SA1311GL

### OPTION WEIGHT (LBS):

750.00 / 208  
255.00 / 208B

### DESCRIPTION

- Features more buoyancy at the aft of the float than the legacy model 8000 float
- Hull features fluted, high dead-rise forward bottoms and extra buoyancy
- Non-skid coating on flat top decks
- Internal cables for water rudder controls
- Amphibious gear advisory system and gear position indicator on the float deck of amphibious floats
- Four (4) large float hatches for gear with 150 pounds carrying capacity each
- Aluminum skins and parts are laser cut and rivet holes are punched so that replacement parts fit easily
- Replaceable wear strips on main keel for ease of maintenance
- Single point refueling for quicker and more accessible refueling
- Low maintenance main gear retraction mechanism and oleo design with no latches or slides to lubricate or stick





# Single Point Refueling

**OPTION TYPE:**

STC  
SA00059WI

**OPTION WEIGHT  
(LBS):**

42.00

**DESCRIPTION**

Fuel quantity is displayed on the screen and all desired fuel entries are accomplished using the touch screen capabilities. The controller is conveniently located at the aft end of the Pilot's left side console panel which is accessible to refueling personnel with the left cockpit door open. The refueling controller switch, when activated, powers the refueling system without aircraft power being on.



## Parachute Configuration

### OPTION TYPE:

STC  
SA03817NY

### OPTION WEIGHT (LBS):

### DESCRIPTION

Textron Aviation will install the Parachute system STC SA03817NY, to the 208 and 208B. The solution includes the following:

- Roll Up Jump Door
- Interior and Exterior Handrails
- Foot Steps
- Rear Cross Bar, to maintain center of gravity
- Pilot and Co-Pilot Barrier, requirement for aircraft in jump operations
- Jump Indication
- Safety Belts
- Gill Liner Interior



## Dual Camera Port - Square Portal

### OPTION TYPE:

STC  
SA02917NY-D

### OPTION WEIGHT (LBS):

### DESCRIPTION

Aircraft will be fitted with dual camera ports as provisions to house customer supplied camera equipment.

Universal adapter plates will be installed to receive customer equipment and anti reflective optical glass with dual side coating will be applied to prevent reflection and distortion.

Cover plates for the camera ports will be provided as loose equipment that will allow for simple removal and ultimately an easy transformation into a commuter aircraft.

An easily removable and installable, small workstation with one 21" and one 15" monitor will be mounted to the seat track.

Structural components required to strengthen the fuselage, two electrically retractable FOD protective doors with fairings, sensor mounting tracks, two 28 VDC/50 amp power outlets with protective circuits and a GPS antenna will be installed.



## Slim Line Mission Console

---

**OPTION TYPE:**

STC  
SA00685DE

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Installs the Paravion slim line mission console, which can accommodate mission equipment such as screens, radios, etc. Slim line design allows a seat to be installed directly across from the Operator Seat as well as five additional passenger seats. Cost assumes 21" touch screen and installation/wiring of some mission equipment. Final configuration and price dependent on customer's requirements.



## Night Vision Capability

---

**OPTION TYPE:**

STC  
SA09656RC

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Installs Aero Dynamix NVIS compatible lighting system usable during all phases of operation. Includes changes to cockpit, cabin, and external lighting. The night vision compatible lighting system is usable during all phases of operation: day, night, and with night vision goggles. Night vision goggles are not included.



## Wing Mount External Load Provisions

---

**OPTION TYPE:**

FK06R

**OPTION WEIGHT (LBS):**

33.3

**DESCRIPTION**

External load provisions are certified to hold up to 525 lb (238 kg) at each wing station allowing for a total of 1,050 lb (476 kg) per wing or 2,100 lb (952 kg) for the aircraft. These provisions are located at wing stations 151 and 179. Wiring can be run through the leading edge of the wing without major modification of the aircraft or its structure. No wiring, pylons, other hardware or flight test data are included in the provisions.





## Belly Mount External Load Provisions

---

**OPTION TYPE:**

STC  
SA00691DE

**OPTION WEIGHT  
(LBS):**

69.00

**DESCRIPTION**

Installs a ion load mount on centerline of aircraft belly. Capable of holding a single load of up to 300 lb or two loads of up to 150 lb each. Consists of load rails on forward or aft portion of fuselage belly and a load beam that attaches to the load rails in various locations.



## Spectrum Series Stretcher

### OPTION TYPE:

STC  
SA01213CH

### OPTION WEIGHT (LBS):

### DESCRIPTION

#### STRETCHER

Used to transport patient to and from the aircraft; attaches to Module Base.

- 2" foam pad (operating room grade)
- Pad covered with Staph-Check bacteriostatic, flame retardant and anti-static material
- Pneumatically assisted fully adjustable backrest
- Dual left and right armrests
- Quick release safety belt harness
- Tested to 600 pounds (272 kg)
- Length: 72" (183 cm)
- Width: 18.5" (47 cm)
- Weight: 40 lbs. (18.14 kg)

#### SPECTRUM 2200 SERIES POWERED MODULE

One (1) Spectrum 2200 Series Powered Modules will be installed, including the below equipment:

- Base contains a 1,000-watt inverter, 3,500 Liter oxygen bottle, dual air pumps
- (11 Lpm @ 50 psi each), and a vacuum pump (14 Lpm @ 14 in. Hg)
- Remote fill port for oxygen
- Four (4) AC outlets (115-volt or 230-volt) and One (1) DC Outlet (28-volt)
- Circuit breakers
- Four (4) IV mounts to attach Spectrum modified IV poles and/or Patient Loader
- Seat Rail Adapter

#### SPECTRUM NON-POWERED MODULE

One additional Spectrum non-powered module will be installed and includes a 3,500 Liter Oxygen bottle and single pneumatic connector.



This layout is to convey the general arrangement of major cabin configuration items only. Specific details of the components may be different than the delivered product (ex. colors, equipment configuration, etc.)





# KINGAIR

**Beechcraft**

BY TEXTRON AVIATION

## Aft Toilet Installation

---

**OPTION TYPE:**

**OPTION TYPE:**

STC

SA02468LA

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Textron Aviation will provide and install a Forward Facing Toilet located in the aft baggage compartment on the left hand side of the cabin. This option also operates as an approved belted seat. Does not include relief tube.



## Spectrum Dual 2200 Series ALSS

### OPTION TYPE:

STC  
SA01213CH

### OPTION WEIGHT (LBS):

### DESCRIPTION

#### SPECTRUM 2200 SERIES POWERED MODULE

Two (2) Spectrum 2200 Series Powered Modules will be installed, including the below equipment:

- Base contains a 1,000-watt inverter, 3,500 Liter oxygen bottle, dual air pumps (11 Lpm at 50 psi each), and a vacuum pump (14 Lpm at 14 in. Hg)
- Remote fill port for oxygen
- Four (4) AC outlets (115-volt or 230-volt) and One (1) DC Outlet (28-volt)
- Circuit breakers
- Four (4) IV mounts to attach Spectrum modified IV poles and/or Patient Loader
- Seat Rail Adapter

This layout is to convey the general arrangement of major cabin configuration items only. Specific details of the components may be different than the delivered product (ex. colors, equipment configuration, etc.)

#### STRETCHER

Used to transport patient to and from the aircraft; attaches to Module Base.

- 2" foam pad (operating room grade)
- Pad covered with Staph-Check bacteriostatic, flame retardant and anti-static material
- Pneumatically assisted fully adjustable backrest
- Dual left and right armrests
- Quick release safety belt harness
- Tested to 600 pounds (272 kg)
- Length: 72" (183 cm)
- Width: 18.5" (47 cm)
- Weight: 40 lbs. (18.14 kg)

#### ALSO INCLUDED

- Stretcher Bridge
- IV-Pole Assembly
- 8130-Air Worthiness Approval Tag





## LifePort Stretcher; Patient Loading And Support System

---

**OPTION TYPE:**

STC  
ST04367CH

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This STC installs a complete air ambulance system including a stretcher, patient loading system and life support systems. Patient Handling Systems are installed with the following medical components in each system:

- One (1) or two 3,500-liter oxygen bottle systems with free-flowing gas outlet (providing approximately 3.8 hours of oxygen at 15 LPM)
- One (1) output delivering 1,000 watts, 115 VAC, 50 hertz, 8.2 amps (or 1,000 watts, 230 VAC)
- One (1) vacuum system, 28 VDC, rated at 559 millimeters of mercury with gas outlet
- One (1) compressed air system
- One (1) remote oxygen fill port





## AvFab Stretcher Installation

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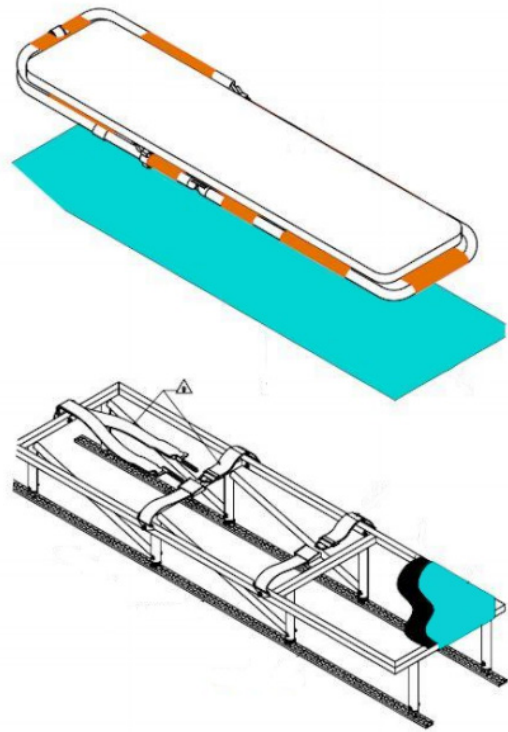
**OPTION TYPE:**

STC  
SA2671CE

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This installation consists of a stretcher on the seat rails. Generally it requires that the cabin sidewall armrests and tables be removed. A version is available that allows retention of standard cabin sidewalls and tables. The aft cabin partition with sliding doors must be removed to facilitate loading and unloading the stretcher with a patient on board.



## Four-Place Stretcher / Divan System

---

**OPTION TYPE:**

STC  
SA2630CE

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This installs a four-place stretcher/divan on the existing seat rails. The stretcher/divan quickly and easily converts between passenger and patient configurations. You can carry passengers on one leg of a flight and then convert it for an ambulatory person on the next leg. Occupancy in either configuration is FAA-approved during all phases of operation. Removal of the sidewall armrest and tables is required to facilitate installation. On the B300, installation also requires removal of the two center pyramid cabinets.



## Voyager Transport Incubator (Carry-On Equipment)

---

**OPTION TYPE:**

**DESCRIPTION**

The Voyager Transport Incubator features a large intubation chamber with various options for other equipment including pulse oximeter, oxygen analyzer, temperature probe, ventilator, and T1 Monitor.

**OPTION WEIGHT (LBS):**



## Isovac Capsules Patient Isolation Unit (Loose Equipment)

### OPTION TYPE:

### DESCRIPTION

Capsules is a portable patient isolation unit (PIU) which prevents particulate (biological and radiological) cross-contamination between the patient and the external environment. Shown here mounted to a Spectrum 2800 base. Optional medwall not included.

### OPTION WEIGHT (LBS):

30.00

- Expanded size (flexible) 24" x 78" x 18" (0.61m x 1.98m x 0.46m)
- Compacts down to 24" x 20" x 18" (0.61m x 0.50m x 0.46m)
- Approximately 30 lbs (14 kg)
- Easily deployed and fully operational within minutes.



## Model 3507 Observer Seats

### OPTION TYPE:

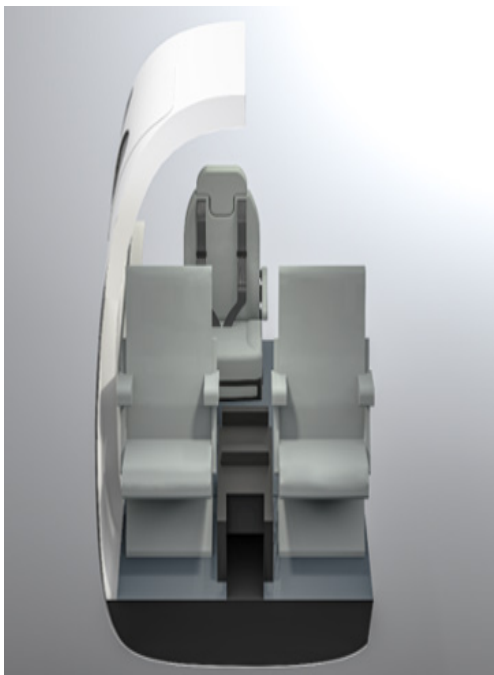
### OPTION WEIGHT (LBS):

### DESCRIPTION

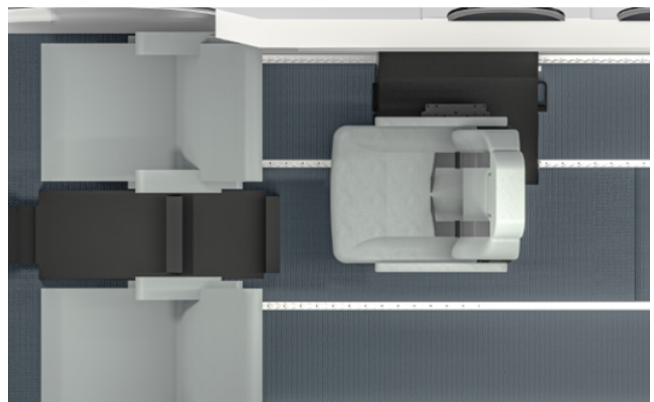
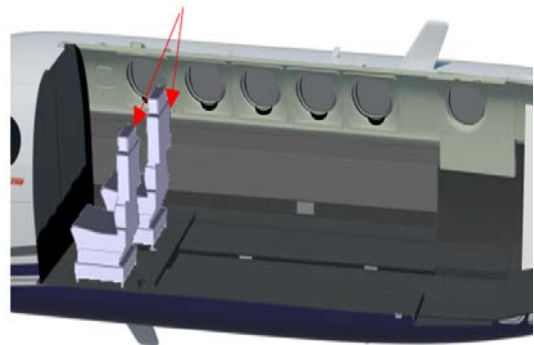
The Collins Aerospace Model 3507 Observer Seats would be mounted on the right-hand and left-hand side of the aircraft behind the pilot/copilot seats. The Model 3507 is adjustable with 5.0 inches forward travel from stow position, 7.9 inches aft travel from stow position, and 12.63 inches lateral travel into the aisle from the stow position. The renderings below provides perspective of the travel the Model 3507 provides and the view the Model 3507 affords the student pilot of the cockpit instruments and displays. The Model 3507 seats must be in the outboard position (i.e., against the cabin wall) for takeoff and landing so as not to impede in case of an emergency. Full Face Pilot system masks with intercom integration will be available at both observer locations.

Additional Specifications of the Observer seats

- Certified to TSO39b, 9g
- 22.0 inch overall finished width
- 18.5-inch width with arms stowed
- 2 x Flip up stow-able arm
- Manual Lumbar
- 15 degree recline
- Life vest stowage in seat
- Pull up adjustable headrest
- 4-point restraint system



Model 3507 (Sliding) Observer Seats



## AvFab High-Density Seating

---

### OPTION TYPE:

STC  
SA2774CE

### OPTION WEIGHT (LBS):

27.00 / Globetrotter  
22.00 / Traveler

### DESCRIPTION

Shown below are two popular choices for a high density seating configuration, the Globetrotter and the Traveler. These chairs enhance the ease of occupant ingress and egress by increasing leg room. Various floor plans are available for both forward and aft-facing seats. Due to emergency exit requirements the seats in these locations will have a forward break-over seat instead of a reclining seat in the left hand forward of the cabin door as well as both right and left hand sides forward of the emergency exits (forward of the spar both sides).

The **Globetrotter** Chair is a lightweight, high-density option that includes forward folding back, a lap belt, life vest pouch, cushions, and leather upholstery. It was designed to provide maximum executive comfort while maintaining tradition for robust, lightweight, high-density seating.

The **Traveler** Chair is a lightweight, high-density seat that includes forward folding back, a lap belt, life vest pouch, cushions, and leather upholstery. Its design enhances the ease of occupant ingress and egress, while maximizing leg room.



Globetrotter



Traveler



B200 / B300

## AvFab Two-Place Side-Facing Divan

---

**OPTION TYPE:**

STC  
SA4157SW

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

A two-place divan provides seating for medical attendants that are located on the left-hand side of the aircraft sidewall, facing inward. The divan kit includes: storage drawers, seat belts, and track fittings, with lateral tracking that allows the medical attendant to adjust seat to provide closer access to patient while remaining in the restraint system.



## AvFab Single / Dual Aft Jump Seats

**OPTION TYPE:**

STC  
SA00635WI

**OPTION WEIGHT  
(LBS):**

25.00 / Single  
65.00 / Dual

**DESCRIPTION**

Textron Aviation will install jump seats that fold down from the side wall of the aircraft in the aft baggage compartment. The seats fold up outboard to allow the space to be used for baggage and can be easily removed. Kits includes everything to make the installation including the seats, complete restraint system, floor board if needed, all fittings, brackets, hardware, life vests, overhead lights, vents, oxygen drop down, comprehensive installation instructions and STC. Upholstery and painting the frames will be done to match existing interior. Available as a single or dual seat.



## LifePort Multi-Mission Seat

---

**OPTION TYPE:**

**OPTION WEIGHT  
(LBS):**

87.00

**DESCRIPTION**

The LifePort Mission Chair is certified to 9g, 16g, and 21g, TSO-C39 for both Part 23 and 25 aircraft. It provides a unique seating option for a variety of missions including: medevac, ISR, aerial survey, transport etc. Features include an adjustable headrest, flip-up armrests, and the ability to recline 30 degrees. It is also adjustable forward/aft, laterally, and rotates 360 degrees while offering a vertical adjustment of 2.8”.



## Collins Aerospace 3056 Attendant Seat

---

**OPTION TYPE:**

**DESCRIPTION**

Collin Aerospace Model 3056 attendant seat can be installed in multiple configurations to meet the demands of any special mission. Each seat meets the requirements of TSO C39b and 14 CFR Part 25.785 in the forward-, aft- and side-facing positions in both the full upright and 15° recline positions. Each seat is equipped with a 4-point restraint system and has 360 degrees rotation with 7.68" fore/aft tracking and 4.68" lateral tracking. Seat upholstery can be customized to match aircraft interior.

**OPTION WEIGHT (LBS):**

50.00



## Collins Aerospace 3507 Mission Seat

---

**OPTION TYPE:**

**OPTION WEIGHT  
(LBS):**

70.00

**DESCRIPTION**

Collins Aerospace model 3507 mission seats can be installed in multiple configurations to meet the demands of a specific mission. Each seat meets the requirements of TSO C39c (9g) and offers a variety of features. These include 15 degrees of recline, 4.71" x 8" of longitudinal tracking, 3.5" of vertical travel, 180 degree swivel with rotation limiter, 4-point restraint and life vest storage provisions. Seat upholstery can be customized to match aircraft interior.



## Engine Wash Ring and Drain Kit

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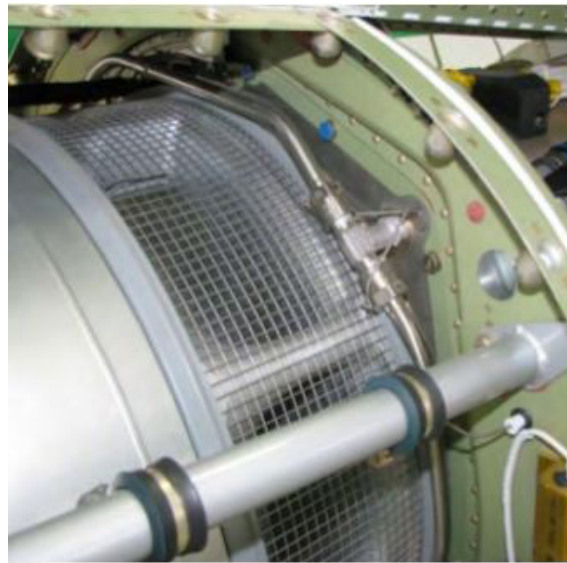
**OPTION TYPE:**

**DESCRIPTION**

When operating in highly corrosive environments it is important to keep your engine clean. Textron Aviation will install engine wash rings and drain to ease this maintenance action. The wash rings provide an easy method to clean the engine to help prevent corrosion due to a salty or other adverse environment. This modification installs an Engine Compressor Wash Drain system to provide an efficient method of draining fluids from the engine casing without requiring removal of the forward cowls, reducing maintenance time, and manpower, required to perform engine compressor/turbine washing and rinsing.

**OPTION WEIGHT (LBS):**

4.60





## High Float Gear Door (HFGD)

---

**OPTION TYPE:**

STC  
SA4175NM

**OPTION WEIGHT  
(LBS):**

23.00

**DESCRIPTION**

The fully enclosed gear door system adds main gear doors and their related actuation mechanism. The new doors fully enclose the main landing gear when retracted. This system is designed and engineered to protect the main gear from debris, reduce time to climb, increase cruise speed, reduce fuel consumption, and reduce issues resulting from frozen brakes.



## (5025) Cargo Door

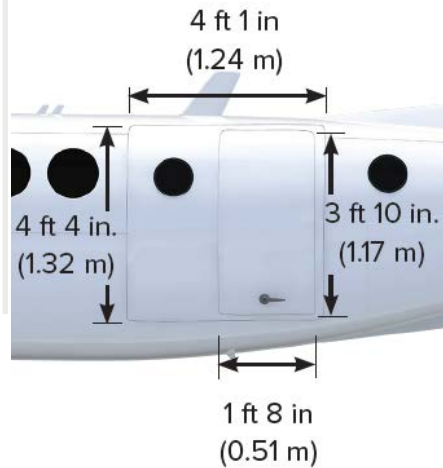
### OPTION TYPE:

### DESCRIPTION

The B200 / B300 Cargo Door is top hinged, 52" (1.32m) tall by 49" (1.24m) wide. Aircraft retains an entry door incorporated into the cargo door. This is available for new aircraft order only.

**OPTION WEIGHT (LBS):**  
176.00

- Passenger Door within Cargo Door
- Adds 176 lb / 80 kg to the basic empty weight
- Does not require Enhanced Payload Option installation
- Nose Ballast Kit installation recommended for B300



## Avionics Equipment Rack

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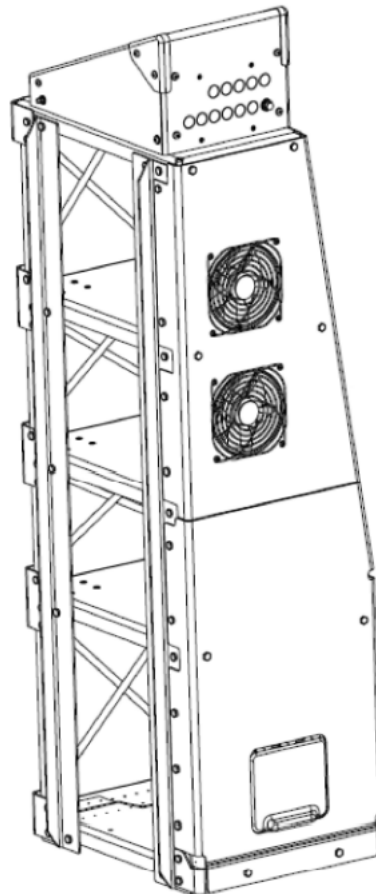
**OPTION TYPE:**

**DESCRIPTION**

This kit provides an equipment rack to house avionics kits or customer equipment. The rack is located immediately aft of the forward partition on the right-hand side. It has four shelves for mounting equipment and includes cooling fans for air movement and a circuit breaker panel.

**OPTION WEIGHT  
(LBS):**

42.00



## Digital Audio Control System (DACS)

---

**OPTION TYPE:**

**OPTION WEIGHT (LBS):**

**OPTION TYPE:**

STC  
SA11049SC-D

**OPTION WEIGHT (lbs):**

8.25

**DESCRIPTION**

The existing aircraft will be fitted with additional panels (8 maximum) in the cabin area to support communications between the flight crew, mission crew, and passengers. The panels are capable of isolating the mission crew from the flight crew or the mission crew from the passengers. Indicator lights will be mounted centrally in the cabin to provide visual confirmation whenever the flight crew to mission crew, or patient/passenger to mission crew intercoms are linked. Panels will be installed in the desired locations. The system has the capacity to transmit and receive and is connected to the VHF-1, VHF-2, Iridium SATCOM, and with the Pilot and Co-Pilot audio panels. HF radio and V/UHF channels are also available.



## Pulselite Control System

---

**OPTION TYPE:**

STC  
SA4005NM

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Pulselite alternately flashes existing landing, taxi and recognition lights 45 times per minute in a pattern that dramatically increases visibility of the aircraft. Benefits includes enhanced visibility to other pilots, increased lamp life, and reduced risk of bird strike.





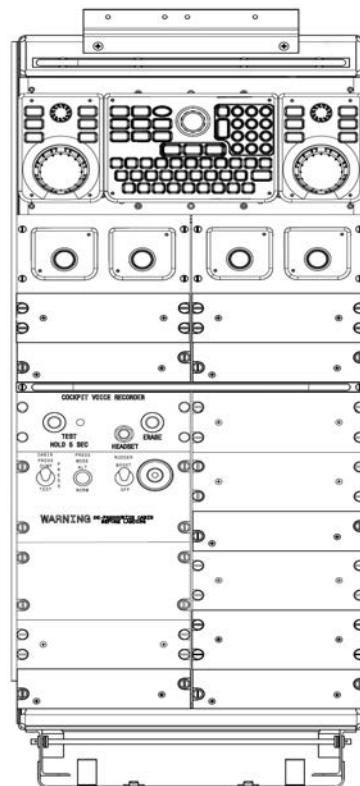
# Extended Pedestal Installation

**OPTION TYPE:**

**DESCRIPTION**

The 24" Extended Pedestal allows for additional cockpit integration systems. Installed by the factory, the pedestal includes 12 additional "blanks" and a hard cover to ease entry and exit of the cockpit.

**OPTION WEIGHT (LBS):**





## Electrical Load Analysis

---

**OPTION TYPE:**

**DESCRIPTION**

An aircraft-specific electrical load analysis (ELA) report can be developed to assist non-OEM third parties with post-delivery aircraft modification and certification. An ELA lists the electrical equipment and the associated electrical loads on the sources of electrical power as installed on the airplane prior to delivery unless otherwise noted. It shows that generator capacity is sufficient to supply the electrical load during day or night operations under hot or cold day conditions while maintaining a full charge on the aircraft batteries. This report also calculates the length of time each battery is able to supply power to essential equipment during battery-only emergency conditions.

**OPTION WEIGHT (LBS):**

## LCR-100N Internal Hybrid Navigator

### OPTION TYPE:

B300 - TC Data  
B200 - Field Service  
Kit

### OPTION WEIGHT (LBS):

7.00

### DESCRIPTION

In place of the standard AHRS on the aircraft, the aircraft will be equipped with the Northrop Grumman LITEF LCR-100N Hybrid Navigation System (HNS). The HNS is a dual reference system consisting of two Northrop Grumman Litef LCR-100N Attitude and Heading Reference Units (AHRU) and two detachable Installation Data Modules (IDM). The LCR-100N, contains a strap down all-attitude inertial sensor platform without moving parts. The sensor platform is made from inertial grade fiber optic gyros (FOG) and accelerometers with a true heading reference for high latitude and polar region operation. The HNS supplies attitude, stabilized magnetic or free gyro heading or true heading, linear acceleration data to the Flight Guidance System, Electronic Flight Instrument System, Integrated Avionics Processor System and Weather Radar System. The AHS also supplies an inertial present position to the Flight Management System for oceanic or remote navigation. The AHRUs are functionally and physically isolated from each other and replace the standard Rockwell Collins AHC-3000 and FDU-3000. The LCR-100N has an alignment mode and two flight operating modes, navigation and attitude with two sub modes, slaved and Directional Gyro (DG) mode.



## Weather Modifications

---

### OPTION TYPE:

STC  
SA03025CH

### OPTION WEIGHT (LBS):

### DESCRIPTION

The Fargo Jet weather modification STC installs weather research, atmospheric measurement and cloud seeding equipment. The below capability and installations are available with full operational authority as well as being removable in order to utilize dual Airworthiness Categories of Normal and Restricted.

- Ejectable Cloud Seeding Flares
- Burn-in-Place Cloud Seeding Flares
- 3-Dimensional Wind Measurements
- Cloud Condensation Nuclei Measurements
- Aerosol Spectrometer
- Precipitation Imaging
- Cloud Droplet Imaging
- Cloud Droplet Spectrometer
- Isokinetic Aerosol Inlet
- Icing Rate Meter
- Liquid Water Content (LWC) and Total Water Content (TWC) Measurements
- Total Air Temperature Sensor
- Dropsonde Deployment System
- Stepped Frequency Microwave Radiometer
- G-Band Water Vapor Radiometer
- Data Acquisition System
- Pan/Tilt/Zoom Dome Camera
- Structural Hard Points and Pylons
- Aircraft Power Distribution System
- Cabin Equipment Racks
- GPS-Based Tracking System
- Integrating Nephelometer
- Trace Gas Measurements NO<sub>y</sub>, NO<sub>x</sub>, O<sub>3</sub>, SO<sub>2</sub>, H<sub>2</sub>O, CH<sub>4</sub>, CO, CO<sub>2</sub>
- Radiation Detection
- Iridium Satellite Communication and Data Transfer



# SKYTRAC

---

**OPTION TYPE:**

STC  
SA0263NY

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Provide and install the Skytrac ISAT-200A Global Satellite system. This includes installation of the Transceiver, Dual GPS/Iridium Combo Antenna, CDP-300G pedestal display, and DVI-300 dialer with toggle switch emergency.





# **KINGAIR 260**

**Beechcraft**

BY TEXTRON AVIATION

B200

## Crown Wing Lockers

---

**OPTION TYPE:**

**DESCRIPTION**

Crown Wing Lockers give you the extra, secure storage you need outside the cabin, with no performance penalty. The lockers can accommodate the manual patient loader and any other long items that cannot be carried inside the cabin. Certified for 600 lbs (300 lbs per locker) in nearly 17 cubic feet of stowage space.

**OPTION WEIGHT (LBS):**

09.00





# Single/Dual/Triple Standard Camera Provisions

**OPTION TYPE:**

STC  
SA2429CE

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Includes One (1) Forward Standard Camera Portal, One (1) Optional Aft Standard Camera Portal, and One (1) Optional Baggage Compartment Portal. All custom modifications to ECS, ICS, antennae location, and electrical provisions will be modified to accommodate the additional sensor(s). All configurations include FOD doors and optical glass with defoggers.

**Single**

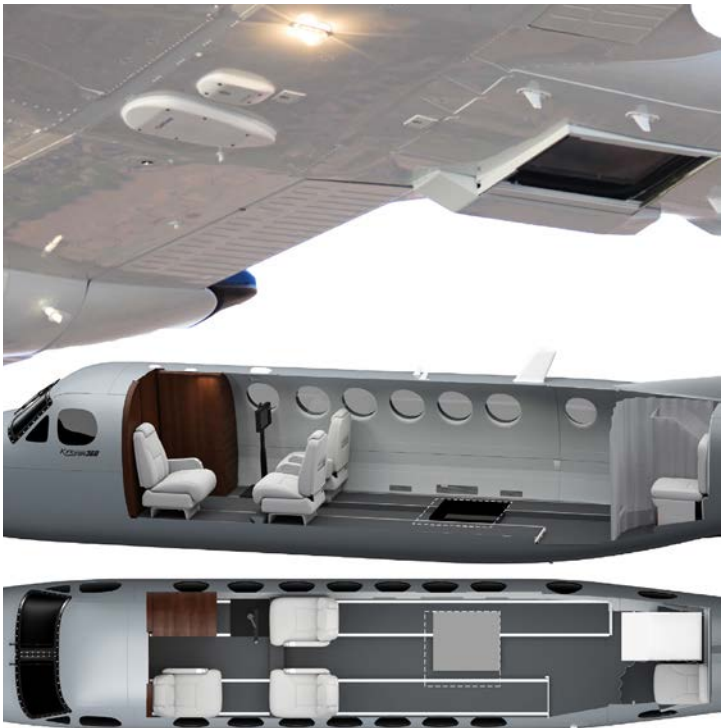
- Forward Standard Camera Portal is 26.75" x 24.00" at FS 233.00, RBL 18.25

**Dual**

- Forward Standard Camera Portal is 26.75" x 24.00" at FS 233.00, RBL 18.25
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 278.50, RBL 24.00

**Triple**

- Forward Standard Camera Portal is 26.75" x 24.00" at FS 233.00, RBL 18.25
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 278.50, RBL 24.00
- Baggage Compartment Camera Portal is 21.25" x 20.25" at FS 316.00, RBL 22.35



# Single/Dual/Triple Standard Camera Provisions with Forward Oversized Camera Portal STC

## OPTION TYPE:

STC  
SA2429CE

## OPTION WEIGHT (LBS):

## DESCRIPTION

Includes One (1) Forward Oversized Camera Portal, One (1) Optional Aft Standard Camera Portal, and One (1) Optional Baggage Compartment Camera Portal. All custom modifications to ECS, ICS, antennae location, and electrical provisions will be modified to accommodate the additional sensor(s).

### Single

- Forward Oversized Camera Portal is 29.50" x 29.25" at FS 230.00, RBL 18.25.

### Dual

- Forward Oversized Camera Portal is 29.50" x 29.25" at FS 230.00, RBL 18.25.
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 278.50, RBL 24.00.

### Triple

- Forward Oversized Camera Portal is 29.50" x 29.25" at FS 230.00, RBL 18.25.
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 278.50, RBL 24.00.
- Baggage Compartment Camera Portal is 21.25" x 20.25" at FS 316.00, RBL 22.35.





# **KINGAIR 360**

**Beechcraft**

BY TEXTRON AVIATION

## (8000) Extended Range (ER) Fuel Tanks

**OPTION TYPE:**

**DESCRIPTION**

High Endurance for Critical Missions

- Increased range and endurance
- Increases total fuel capacity by 236 gallons (893 liters) to 775 gallons (2,934 liters)
- Deploy world-wide without ferry tanks
- 2,500+nm range, 12 hour endurance
- Delivers significantly higher mission flexibility

**OPTION WEIGHT (LBS):**

Includes:

- Special Mission Rudder
- Software Upgrade
- Updated Fuel Control Panel
- Heavy Weight Landing Gear





B300

## (8100) PT6A-67A Engine Upgrade

---

### OPTION TYPE:

### DESCRIPTION

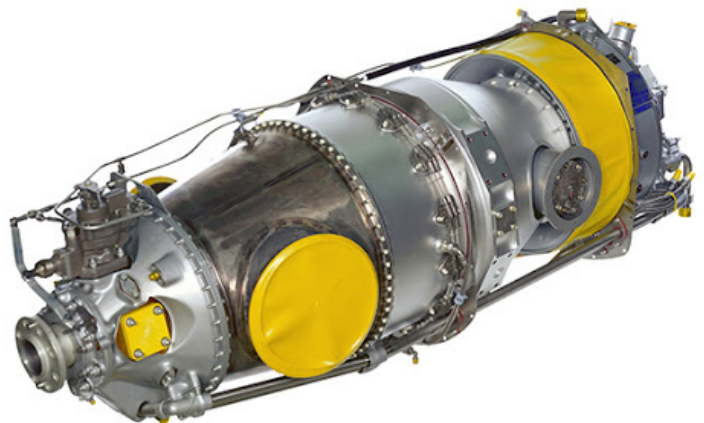
This option replaces the standard PT6-60A engines with the PTA-67A engines. Included in the upgrade is a new reinforced truss and an additional oil cooler to aid in cooling during high temperature operations.

### OPTION WEIGHT (LBS):

53.70

#### Performance Benefits:

- Flat rating temp limit increase
- Improved climb performance
- Increased cruise speed of 15+ Knots
- Maintain horsepower in high/hot conditions.



B300

## Increase Gross Weight Kit (17,500 lb)

---

**OPTION TYPE:**

**DESCRIPTION**

This kit provides parts and information to increase the gross weight to 17,500 lb on B300 aircraft equipped with the Extended Range (ER) option. This allows the operator to maximize payload capacity while maintaining full fuel for extended missions.

**OPTION WEIGHT (LBS):**

Note: When this option is installed, the aircraft is considered to be in the restricted category.





## Stormscope WX - 1000E

---

**OPTION TYPE:**

STC  
SA00047MC

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This kit provides parts and information for the L-3 Stormscope WX-1000E. The Stormscope provides early detection of storm cells and displays lightning at ranges up to 200 nautical miles. It offers four range selections from 25 nm up to 200 nm. The displayed information is integrated on the Fusion primary flight displays. The lightning detection system overlays can be selected for display on either PFD HSI or on the MFD map display.

## TA - 24 Military GPS Receiver

---

**OPTION TYPE:**

STC  
SA00113MC

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This kit provides parts and information for the TA-24 Military GPS receiver. The global positioning system (GPS) receiver provides accurate position information in either the Standard Positioning Service (SPS) or the Precise Positioning Service (PPS) mode. The flight management system includes the TA-24 GPS as a third GPS (GNSS3) and operates independently from the other two GPS (GNSS) sensors. Selection of GPS 3 (GNSS3) will automatically deselect GPS 1 (GNSS1) and GPS 2 (GNSS2). A dedicated control panel for the TA-24 GPS is located in the cockpit pedestal that provides power ON/OFF and operational mode selection switches. The number-three receiver is located in the nose avionics bay, middle shelf. Power is provided through a three-ampere circuit breaker labeled number-three GPS located on either the copilot circuit breaker panel or the auxiliary circuit breaker panel on the cabin avionics rack.

Note: U.S. Government policy restricts the sale of Precise Positioning Service (PPS) equipment to those authorized by the U.S. Department of Defense. Non-U.S. authorized users must purchase PPS equipment through the Foreign Military Sales (FMS) process.



## TCN - 500 TACAN Installation Kit

---

**OPTION TYPE:**

STC  
SA00047MC

**OPTION WEIGHT  
(LBS):**

37.00

**DESCRIPTION**

This kit installs the TCN-500 tactical air navigation (TACAN) system. The TCN500 TACAN provides distance, ground speed, time-to-station, station identifier and TACAN bearing information. Navigation information appears on both the pilot's and copilot's primary flight display (PFD) and multi-function display (MFD) via nav source selection. TACAN audio selection is available on both pilot and copilot audio panels. A dedicated TACAN control is mounted in the cockpit pedestal. The AN/ARN-153(V) supports four modes of operation: receive mode, transmit-receive mode, air-to-air receive mode and air-to-air transmit-receive mode. The TACAN transceiver, located in the forward avionics compartment, is interfaced with the flight displays, top and bottom-mounted antennas, and the audio control panels. The TACAN system receives power through a 5-ampere circuit breaker.



## AN/ARC - 210 VHF/UHF/SATCOM Radio

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**OPTION TYPE:**

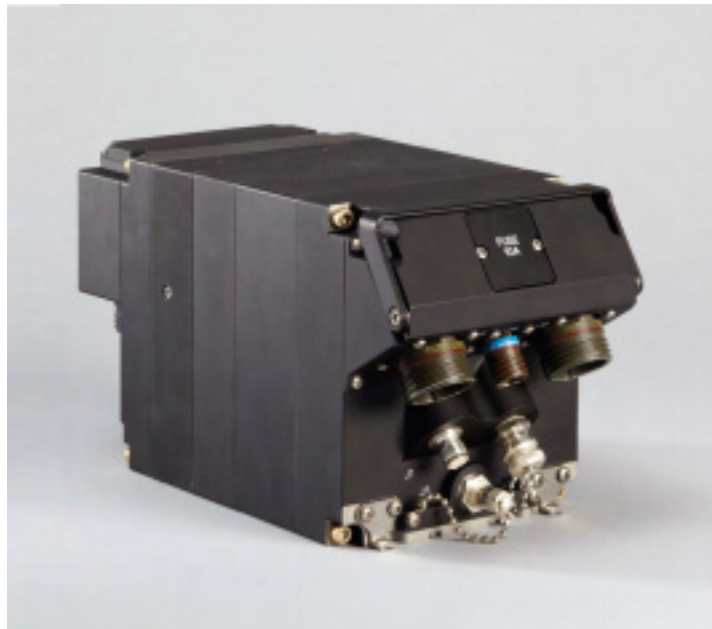
STC  
SA00047MC

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

This kit provides safe carriage for the AN/ARC-210 multi-mode integrated communications system, which provides two-way multi-mode voice and data communications over the 30–512 MHz frequency range in either normal, secure or jam-resistant modes via LOS or satellite communications (SATCOM) links. The AN/ARC-210 provides LOS V/UHF capability and HAVEQUICK, HAVEQUICK II and SINCGARS ECCM waveforms. The voice communications or data are fed to the C-12561 control/indicator mounted in the pedestal. Installation of the AN/ARC-210 radio kit requires installation of the avionics equipment rack kit to house the radio equipment.

Note: U.S. Government policy restricts the sale of Precise Positioning Service (PPS) equipment to those authorized by the U.S. Department of Defense. Non-U.S. authorized users must purchase PPS equipment through the Foreign Military Sales (FMS) process.



## MFD Video Enablement

---

**OPTION TYPE:**

**DESCRIPTION**

To increase the pilot's situational awareness of what the mission crew is accomplishing, video functionality will be available on the Collins ProLine Fusion flight deck. Each screen has the capability to open a 1/4 size video window.  
Note: this video is not HD quality.

**OPTION WEIGHT  
(LBS):**

## AN/APX-119 Identification Friend or Foe (IFF)

---

**OPTION TYPE:**

STC  
SA00047MC

**OPTION WEIGHT  
(LBS):****DESCRIPTION**

This kit provides parts and information for the AN/APX-119 IFF system. The AN/APX-119 IFF transponder replaces the existing number two Collins TDR94 transponder and provides the same capabilities with the additional capability of Mode 4 IFF. A dedicated IFF control panel located in the cockpit pedestal provides all transponder functionality control as well as TCAS II control when the IFF transponder is selected. The IFF transponder provides cooperative Mark XII identification friend or foe (IFF) capability using full diversity selection, as well as mode select (Mode S) capability. In addition, transponder operation provides interface capability with the airplane's traffic collision and avoidance system (TCAS). The IFF transponder system is made up of a transponder, two antennas, a crypto applique and a control panel. The IFF transponder receives power from the mission bus and a five-ampere circuit breaker located on the avionics rack auxiliary circuit breaker panel. Installation of the AN/APX-119 IFF kit requires installation of the avionics equipment rack kit to house the IFF transponder.

Note: U.S. Government policy restricts the sale of Precise Positioning Service (PPS) equipment to those authorized by the U.S. Department of Defense. Non-U.S. authorized users must purchase PPS equipment through the Foreign Military Sales (FMS) process.



# 400 Amp Starter Generator

**OPTION TYPE:**

**OPTION WEIGHT (LBS):**

47.60

**DESCRIPTION**

The change to the airplane electrical system incorporates replacement of the existing 300 Ampere Starter-Generators with 400-Ampere units and the addition of two mission buses, powered through a Mission Power switch located in the cockpit center pedestal. Location of the Mission Power switch may vary within the pedestal. Replacement of the Starter-Generator units includes replacement of the following electrical system components: Generator Control Units (GCUs); Battery Bus Tie; Load Meter Shunts; and Starter Relays. In addition, the following electrical system components have been added: Bus Shed Relays; 200-Ampere Current Limiters for each Mission Bus; Power and Logic Relays; and a Mission Power Switch.

The Left and Right Generator Buses provide power through individual 200-Ampere current limiters and Mission Power Relays to Left and Right Mission Buses. The Mission Power Switch is magnetically latched in the ON position and relaxes to OFF if either generator fails or is turned off, or if either the Left Bus Tie or Right Bus Tie opens.



B300

## Gravel Runway Kit

---

**OPTION TYPE:**

**DESCRIPTION**

Installs a gravel runway kit with protective hardware that includes gravel guards on the inboard flaps and wire cages over the belly anti-collision light and antennas. Includes a performance manual for operation from gravel runways.

**OPTION WEIGHT  
(LBS):**



## Wet and Contaminated Supplement

---

**OPTION TYPE:**

**DESCRIPTION**

This supplement provides performance information for takeoff and landing from wet and contaminated runways.

**OPTION WEIGHT  
(LBS):**

Note: The wet and contaminated runway supplement is only for 15,000-pound and 16,500-pound B300 aircraft with no other performance impacting changes.

B300

## Nose Ballast Kit

---

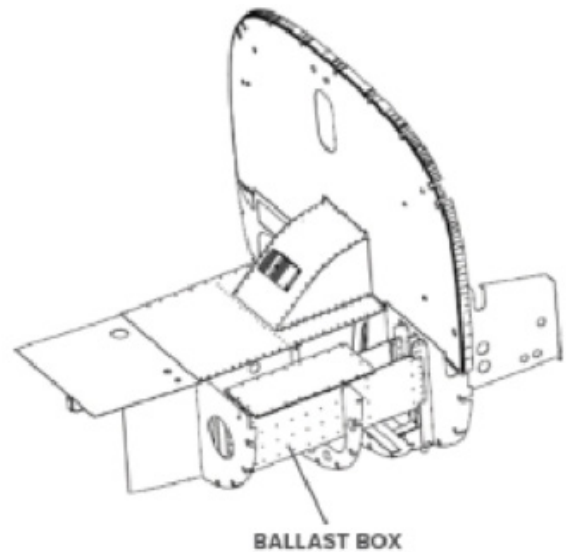
**OPTION TYPE:**

**DESCRIPTION**

For any aircraft with extended range tanks and surveillance type mission equipment the center of gravity of the aircraft is pushed aft. The Nose Ballast installation installs up to 190 lb (86 kg) of ballast in the nose of the aircraft allowing more flexibility of additional fuel or payload.

**OPTION WEIGHT (LBS):**

190.90



B300

## Special Mission Dual Aft Strakes

---

**OPTION TYPE:**

**DESCRIPTION**

This installation replaces the standard B300 strakes with larger, more durable, stand-alone dual aft ventral strakes. The purpose of this installation is to provide additional aircraft directional stability should this be required for special mission applications.

**OPTION WEIGHT (LBS):**

26.00

Performance supplement is included.



## Radar Pressure Box for Radome

---

**OPTION TYPE:**

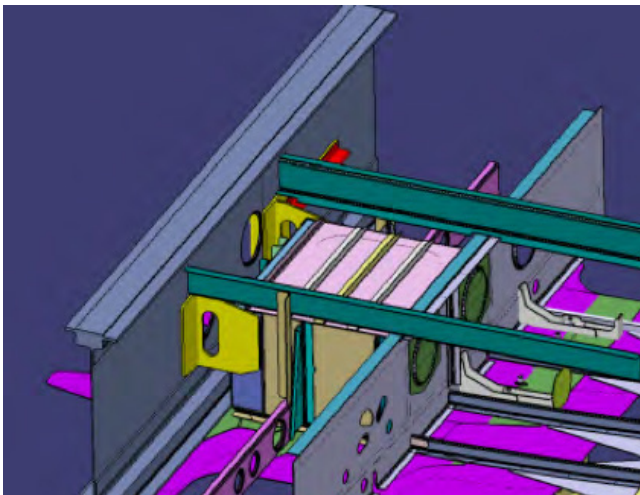
**DESCRIPTION**

To allow for a larger array of search radars to fit within the confines of the radome, a radar pressure box will be installed. This pressure box allows for a radar antenna gimbal to be recessed into the pressure vessel. The box has unobstructed dimensions of 12.7” forward to aft, 12.3” left to right, and 7.7” deep giving a minimum usable volume of 1,214 cubic inches.

**OPTION WEIGHT (LBS):**

27.00

Note: Radar Pressure Box Kit is installed via Type Certificate





## X-Band Radome and EO/IR Fairing

---

**OPTION TYPE:**

**DESCRIPTION**

This kit provides an aerodynamic belly radome that covers the proposed radar and its associated electronics as well as an aerodynamic fairing that encompasses the EO/IR system to mitigate parasitic drag. The two piece belly mounted radome is radar transmissive in the X-band. The EO/IR fairing is attached to the aft portion of the radome on the lower fuselage of the aircraft. The belly radome affords a maximum of 270-degrees of coverage (135 degrees left and right of bore sight).

**OPTION WEIGHT (LBS):**

In order to facilitate this installation, Manual Supplements and the following modifications are included with the kit:

- Replaces the standard dual ventral fins with large aerodynamic SM strakes
- Relocates Antennas
- Relocates and adds one anti-collision light
- Relocates Radio Altimeters



B300

## EO/IR Lift

---

**OPTION TYPE:**

**DESCRIPTION**

This kit installs a lift for an Electro-Optical Infrared (EO/IR) camera system in the belly mounted radome. This also modifies the center cockpit pedestal to install the EO/IR lift control panel. The control panel allows the pilot to lift and lower the EO/IR Lift / Turret (when installed) and also gives an indication of the lifts position via indicator lights. Logic is added to the landing gear handle position system so that when the contact is broken (moving the landing gear handle to the DN position) the lift system, if down, will stow automatically. Wiring provisions are located in the cabin to allow installation of an EO/IR lift control panel in an operators console if desired. This system will accommodate a sensor up to 18" in diameter and weighing up to 135 lbs.

**OPTION WEIGHT (LBS):**

71.00



## Utility Nose and Lift Kit

---

**OPTION TYPE:**

**DESCRIPTION**

The Utility Nose Lift kit installs an EO/IR turret lift system that is compatible with sensors up to 16.5” in diameter and 130 lbs in weight. An optional conversion kit provides the parts necessary to make the lift system accommodate a sensor up to 21” in diameter and 210 lbs in weight. Once installed in the Utility Nose, the lift mechanism is controlled from the cockpit with a dedicated control panel that allows the pilot to extend and retract the EO/IR sensor.

**OPTION WEIGHT (LBS):**

87.5 - 92.6



**Sensor Extended**



**Sensor Retracted**

## Utility Nose Kit

---

**OPTION TYPE:**

**DESCRIPTION**

The utility nose option extends the nose of the aircraft by 33.75" (0.86 m), providing an equipment bay to store mission equipment. All avionics and weather radar typically installed in the nose cone remain. The equipment bay offers 12 cubic feet of storage and can hold up to 250 lb.

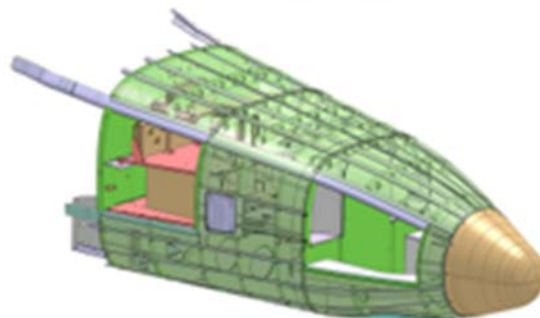
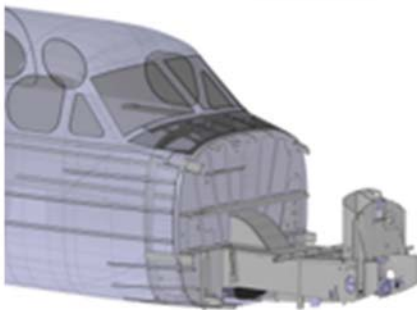
**OPTION WEIGHT (LBS):**

- Integrated to original airframe structure to maximize space and weight
- Zero impact on aircraft life
- Adds approx. 12 cubic feet of stowage space in additional nose compartment
- New aircraft OEM airframe warranty remains intact
- Adds approximately 97.5 lb (44.2 kg) of weight
- Improves Aircraft CG to allow additional cabin loading

**OPTION TYPE:**

N/A

**OPTION WEIGHT (lbs):**  
97.50



# Single/Dual/Triple Standard Camera Provisions STC

**OPTION TYPE:**

STC  
SA2429CE

**OPTION WEIGHT  
(LBS):**

**DESCRIPTION**

Includes One (1) Forward Standard Camera Portal, One (1) Optional Aft Standard Camera Portal, and One (1) Optional Baggage Compartment Portal. All custom modifications to ECS, ICS, antennae location, and electrical provisions will be modified to accommodate the additional sensor(s). Includes FOD doors and optical glass with defogger.

**Single**

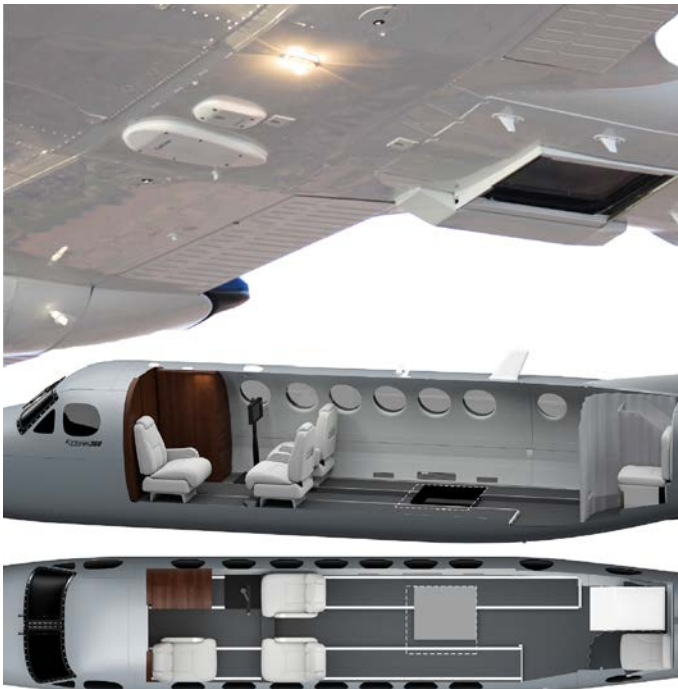
- Forward Standard Camera Portal is 26.75" x 24.00" at FS 267.00, RBL 18.25

**Dual**

- Forward Standard Camera Portal is 26.75" x 24.00" at FS 267.00, RBL 18.25
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 312.50, RBL 24.00

**Triple**

- Forward Standard Camera Portal is 26.75" x 24.00" at FS 267.00, RBL 18.25
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 312.50, RBL 24.00
- Baggage Compartment Camera Portal is 21.25" x 20.25" at FS 350.00, RBL 22.35



# Single/Dual/Triple Camera Provisions with Fwd Oversized Camera Portal STC

**OPTION TYPE:**

STC  
SA2429CE

**OPTION WEIGHT (LBS):**

**DESCRIPTION**

Includes one (1) forward oversized camera portal, one (1) optional aft standard camera portal, and one (1) optional baggage compartment camera portal. All custom modifications to ECS, ICS, antennae location, and electrical provisions will be modified to accommodate the additional sensor(s).

**Single**

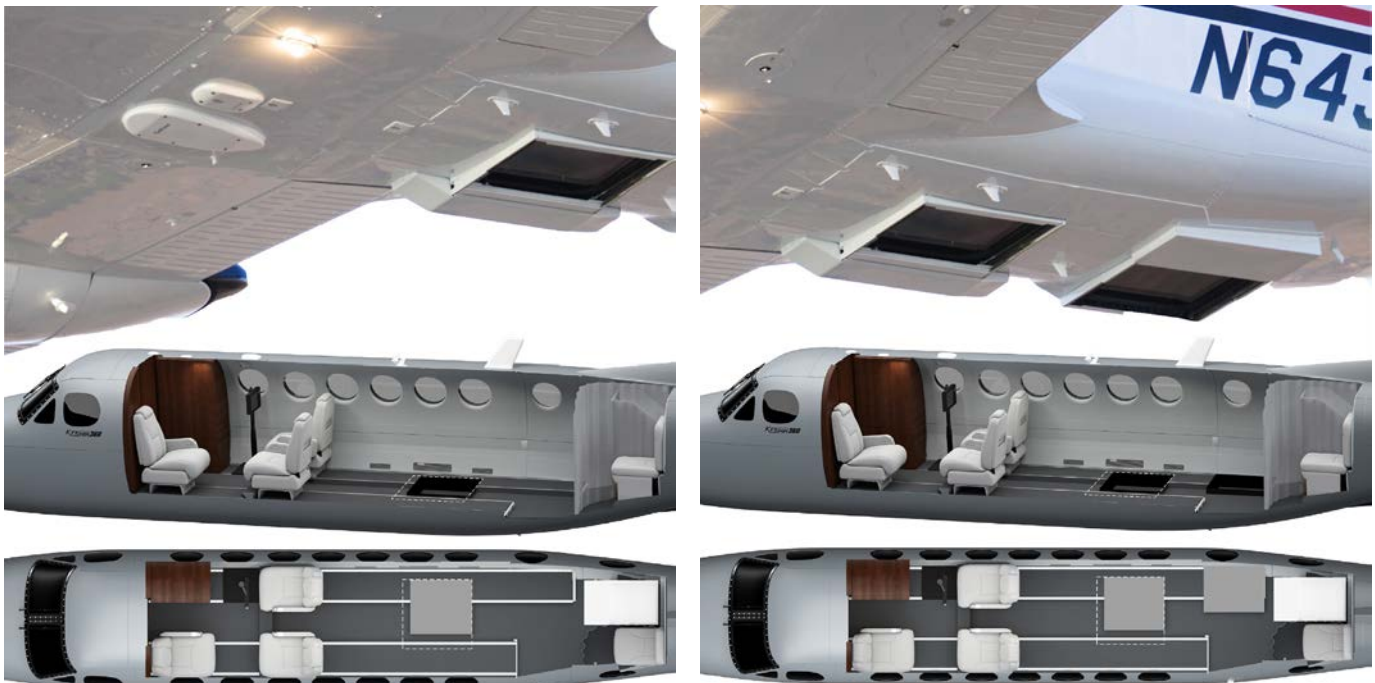
- Forward Oversized Camera Portal is 29.50" x 29.25" at FS 264.25, RBL 18.25.

**Dual**

- Forward Oversized Camera Portal is 29.50" x 29.25" at FS 264.25, RBL 18.25.
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 312.50, RBL 24.00.

**Triple**

- Forward Oversized Camera Portal is 29.50" x 29.25" at FS 264.25, RBL 18.25.
- Aft Standard Camera Portal is 26.75" x 22.50" at FS 312.50, RBL 24.00.
- Baggage Compartment Camera Portal is 21.25" x 20.25" at FS 350.00, RBL 22.35.





# Life Raft Soft Pack w/ 406Mhz ELT - 11 Person (Loose Equipment)

**OPTION TYPE:**

**OPTION WEIGHT (LBS):**

58.00

**DESCRIPTION**

When you want the highest rated, TSO'd life raft in the industry, but size and weight are a consideration, the Collins Winslow Ultra-Light is the life raft for you. Without compromising on details, we created the Winslow Ultra-Light Type One (UL) Life Raft to meet your needs. Available in both soft valise and hard packs, we offer a wide variety of survival equipment packs to meet your operational requirements. Far part 91 and part 135 options available.

This Ultra-Light Type One life raft fits 11 people with an overload capacity of 16 people. Includes Dual Frequency 406Mhz ELT w/Speech Capability and Embedded GPS. Dimensions: 6.5" X 20" X 34". Weighing 52-58 lb.



# Drop Hatch

**OPTION TYPE:**

**DESCRIPTION**

To assist with search and rescue operations, a drop hatch can be provided that allows an operator to drop surveillance or rescue equipment out of the aircraft. The drop hatch is located on the right side of the aircraft approx between F.S. 312 and F.S. 339. The diameter of the drop hatch is approximately 20” and has a separate integral hatch (4”) to drop dye markers. There is a safety restraint added for the person opening the hatch and dropping stores to secure themselves to. There is also a CAS message that alerts the flight crew when the drop hatch is opened or not latched securely.

**OPTION WEIGHT (LBS):**  
41.00



## Bubble Window

---

**OPTION TYPE:**

**DESCRIPTION**

This kit installs two bubble windows approximately 17” wide and 22” high, extending out from the fuselage approximately 7” in the aft cabin compartment, one on each side. These windows facilitate low altitude visual observation and use of a hand-held camera during surveillance or search and rescue operations. The windows are independently defogged with heated air. The windows are comprised of laminated stretched acrylic.

**OPTION WEIGHT (LBS):**

Note: Requires Special Mission Strakes. Observer Seats are not included. Not compatible with FM (cargo) units.



B300

## Flight Inspection System - UNIFIS 3000

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**OPTION TYPE:**

**DESCRIPTION**

With the UNIFIS System from Norwegian Special Mission, the King Air B300 is modified for flight inspection purposes. The installation consists of multiple antennas, an optional Flight Inspection Operator Console (FIOC), optional Flight Inspection Data Analysis Rack (FIDAR), laser altimeter, camera, Inertial Reference System (IRS) and Course Direction Indicator (CDI) to meet the defined tasks. The modification provides a seat rail adapter and interconnection panel for quick release and easy maintenance of the system.

**OPTION WEIGHT (LBS):**



# Flight Inspection Installation

---

**OPTION TYPE:**

**DESCRIPTION**

This modification consists of installing Aerodata's AeroFIS flight inspection system into B300 aircraft equipped with a full set of flight inspection antennas. The AD-AFIS system provides established radio navigation systems and the ability to inspect advanced automatic dependent surveillance-broadcast (ADS-B) and area navigation (RNAV) procedures. A cockpit information display (CID) shows pilots the flight inspection profile and the way to intercept this profile. The fully automatic AeroFIS flight inspection system comes with an integrated advanced autopilot interface, which increases flight and measurement accuracy, minimizes the cockpit workload and provides better dynamic steering for following the selected flight inspection track.

**OPTION WEIGHT (LBS):**





# CITATION LATITUDE



BY TEXTRON AVIATION



## Electrical Load Analysis

---

**OPTION TYPE:**

**DESCRIPTION**

**OPTION WEIGHT (LBS):**

An aircraft-specific electrical load analysis (ELA) report can be developed to assist non-OEM third parties with post-delivery aircraft modification and certification. An ELA lists the electrical equipment and the associated electrical loads on the sources of electrical power as installed on the airplane prior to delivery unless otherwise noted. It shows that generator capacity is sufficient to supply the electrical load during day or night operations under hot or cold day conditions while maintaining a full charge on the aircraft batteries. This report also calculates the length of time each battery is able to supply power to essential equipment during battery-only emergency conditions.

## LifePort Stretcher; Patient Loading And Support System

### OPTION TYPE:

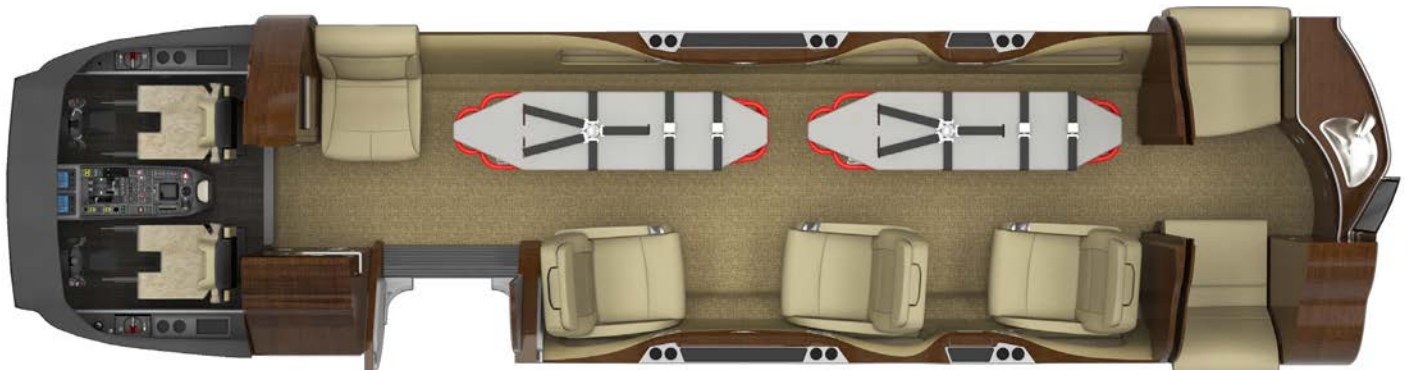
STC  
ST04367CH

### OPTION WEIGHT (LBS):

### DESCRIPTION

This STC installs a complete air ambulance system including a stretcher, patient loading system and life support systems. Patient Handling Systems are installed with the following medical components in each system:

- One (1) or two 3,500-liter oxygen bottle systems with free-flowing gas outlet (providing approximately 3.8 hours of oxygen at 15 LPM)
- One (1) output delivering 1,000 watts, 115 VAC, 50 hertz, 8.2 amps (or 1,000 watts, 230 VAC)
- One (1) vacuum system, 28 VDC, rated at 559 millimeters of mercury with gas outlet
- One (1) compressed air system
- One (1) remote oxygen fill port



An aerial photograph of a vast expanse of white and grey clouds, illuminated from below by a low sun, creating a golden glow and long shadows. The sky above is a pale, clear blue.

# TEXTRON AVIATION

## SPECIAL MISSIONS

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