

# 2010 BOMBARDIER CHALLENGER 300

SERIAL NUMBER: 20286

FULLY EQUIPPED FOR NEXTGEN AND SESAR



## Jetcraft Corporation

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Avionics Suite



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# NEW PRO LINE 21 AVIONICS BLOCK UPDATE & OPTIONAL COCKPIT ENHANCEMENTS



Equipped with the Rockwell Collins Pro Line 21 highly functional and versatile suite of avionics, the CL300 is well placed as a premier aircraft in its class. Specifically with aircraft serial number 20286 this existing advanced capability is elevated to new levels with its new Avionics Block Upgrade and other features in both the cockpit and the cabin.

Outfitted to operate in current and upcoming US-NextGen, EU-SESAR and international ICAO environments, reduces aircraft owner concerns about future capability, mandate compliance and budget allocations.

*The newer versions of PL21 that arrive baseline as factory delivered include:*

- **IFIS- Integrated Flight Information System** using sophisticated electronic charts and a virtually paperless cockpit, reducing pilot workload and increasing efficiency.
- **Multiscan™ Weather Radar** that avoids bad weather cells using its weather data interpretation feature, allowing tactical flight decisions and providing another layer to passenger comfort.
- **Synthetic Vision System** that provides significant gains in aircraft situational awareness and a tool for use by pilots at night when flying into challenging airports.
- **Additional Primary Flight Display (PFD)** Features providing ergonomic enhancements for pilots to visualize displayed information. Significantly the inclusion of a Flight Path Vector normally used on Head Up Displays ensuring consistently predictive and safe landings with reduced wear and tear on the aircraft.

*The additional Avionics Block Upgrade enhancements fitted to serial number 20286, and of which the first two are specifically NextGen, SESAR and ICAO operational related improvements are:*

- **RNP AR 0.3** - Required Navigation Performance into for example, greater than 22 of the top 40 US business jet airports where obstacle and terrain clearance is a challenge.
- **FANS- Future Air Navigation System 1/A** using ADS-C and CPDLC allowing reduced separation over transoceanic routes as well as position reporting.
- **Enhanced XM Weather** that provides increased coverage over North America and comprehensive route management.

*Further cockpit enhancements provided to aircraft serial number 20286 are:*

- **ADS-B Out - Automatic Dependent Surveillance System** a NextGen and 2020 mandated system for Air Traffic Control monitoring and tracking of aircraft.
- **TCAS 7.1 – Traffic Collision Avoidance System** upgrade from 7.0 for receiving and using ADS-B data as well as safety enhancements

In addition to the state of the art Cabin Electronics System (NICE CES) using the Aircell ST4200 satellite communications system, aircraft serial number 20286 has included the **Aircell ATG4000 Go-Go Biz** high speed internet for North America and the **Swift Broad Band** high speed internet for international connection.

These multiple cockpit and cabin enhancements offer the ultimate in performance for new and upcoming operational requirements across the world. Furthermore they have an incremental value impact on the aircraft adding to its residual value.

For further information on the Challenger 300 serial number 20286 avionics as well as international operations please contact Jetcraft.

Jetcraft has a well informed avionics division that serves on the FAA NextGen Advisory Council and other key aviation advisory forums.

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### AIRFRAME

Only 625 Hours and 414 Landings Since New  
June 2010 Entry to Service  
SmartParts Plus

### ENGINES

	Left   Right
Description	Honeywell HTF7000 Turbofan Engines
Serial Numbers	P118713   Paa8712
Total Time	625   625
Total Cycles	438   436
Program Coverage	Honeywell MSP

### APU

Mode	Honeywell GTCP-36-150 (BD)
Serial Number	P-394
Total Time	553
Program Coverage	Honeywell MSP

### AVIONICS

Equipped with the Rockwell Collins Pro Line 21 avionics suite with four (4) LCD displays, the Challenger 300 cockpit boasts a fully integrated electronic charts capability (Jepps) on the MFD, significantly enhancing situational awareness and aircraft value alike. A general description is summarized as follows:

- Dual OCM-3100 Electronic Flight Instrument System (EFIS)
- Collins NAV-4500
- Dual VHF-4000 Com's with 8.33 Spacing
- Dual DME-4000
- Dual NAV-4000 ADF's
- Dual Collins TDR-94D Mode S Transponders
- Dual Collins HF-9031A HF Coms
- Collins RIU-4100 Selcal
- L3 Communications Cockpit Voice Recorder (120 Min)
- L3 Communications Flight Data Recorder (FDR)
- Inmarsat Including Worldwide Swift Broadband Internet
- Synthetic Vision System
- Dual Integrated Flight Instrument System (IFIS)
- MultiScan Weather Radar
- Enhanced XM Weather Displayed on MFD
- Dual FMC-6200 FMS & LPV with Baseline SB Package
- Dual GPS-4000S Global Positioning Systems,

- WAAS Capable
- Collins ALT-4000 Radar Altimeter
- Artex C406-N Emergency Locator Transmitter (ELT)

- Collins MK-VIII Enhanced Ground Proximity Warning System (EGPWS)
- Collins TTR-4000 TCAS II with Change 7.1
- Aircell ST4200 Iridium Phone

### PROLINE 21 AVIONICS BLOCK UPDATE FEATURES

- FMC 6200 Enhancements
- WAAS / LPV Capability
- PFD Improvements
- IFIS Enhancements
- RNP AR 0.3
- ADS-B Out
- Synthetic Vision
- FANS 1/A+ (ADS-C & CPDLC)
- MultiScan Weather Radar
- Enhanced XM Weather
- XM Weather on MFD

### EQUIPMENT & INTERIOR OPTIONS

The Challenger 300 is equipped with the flexible, forward-looking NICE (Network Integrated Cabin Equipment) technology, an Ethernet-based system developed in partnership with Lufthansa Technik that integrates cabin management, communications, and entertainment control into a single touch screen system at each seat location, providing a host of functions not generally seen in aircraft of this market segment. Options on this aircraft include:

- Air to Ground Internet (USA)
- Inmarsat Worldwide Swift Broadband Internet
- Optional Crew Closet with Over Water Kit with Two (2) Life Rafts
- Forward Bulkhead Monitor
- Forward Partition with Sliding Door
- Forward Pyramid Cabinets (2)
- Aft Pyramid Cabinets (2)
- Recliner Leg Rest Option on Four (4) Seats
- Airshow 4000 with Worldwide Package
- DVD / CD Player
- XM Satellite Radio
- IPOD Docking Station
- Optional Dado Storage Boxes (6)
- Deluxe Baggage Compartment with Hang Up Bar
- Additional Power Outlet at Seat 2
- Floor Accent Lighting

### EXTERIOR

Overall White with Solid Challenger Brown Tail and Accent Stripes.

### EXTERIOR OPTIONS

Logo Lighting, Single LED Navigation Lights, Wing Tip Strobe Lights, Pulsating Main Landing Lights, Door Lock Package, Inner Gear Door Paint.

(Continued)

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## INTERIOR

Stunning Interior Featuring Fire-Blocked Seating for Eight (8) Passengers in a Double Club Configuration, Forward Wardrobe with Adjustable Shelves, Forward Galley with Fold-Out Tables, and Aft Lavatory and Vanity with 16G Belted Lav Seat for Ninth Passenger Option.

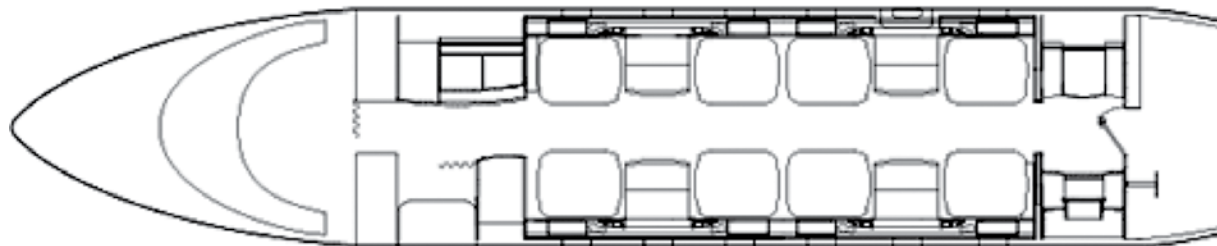
## INTERIOR MATERIALS SELECTIONS INCLUDE

- Hand Selected Custom American Walnut with Satin Finish
- Ivory Townsend 100% Cowhide Leather Seats
- Stingray Oat Embossed Leather Dado Panels
- Scott Group Laredo Wool and Silk Premium Carpet
- Matte Almond Gold Premium Plating
- Light Emperador Marble Galley Countertop

August 2013 Interior Updates Include Full Wood Re-Veneer (3 Year Warranty) and Seat Leather Re-Condition by Duncan Aviation.

## INTERIOR CONFIGURATION

Bombardier Floorplan 1 with LH and RH side VIP Seats.



## WEIGHTS

- Maximum Ramp Weight – 39,000 lbs
- Maximum Takeoff Weight – 38,500 lbs
- Maximum Landing Weight – 33,750 lbs
- Maximum Zero Fuel Weight – 27,200 lbs
- Basic Operating Weight – 24,334 lbs
- Maximum Fuel – 14,100 lbs.

## WARRANTY INFORMATION

Airframe:

Avionics:

Primary Metal Structures:

Auxiliary Power Unit (APU):

Engines:

- 5,000 Flight Hours or 60 Months
- 60 Months
- 10,000 Flight Hours or 120 Months
- 3,000 Flight Hours or 60 Months
- Per Honeywell Manufacturers Warranty

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*Forward Cabin Facing Aft*



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*Aft Cabin Facing Forward*



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CEO Seating



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Galley - Closed



Galley - Open



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## FULLY EQUIPPED FOR NEXTGEN AND SESAR

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Seat - Closed



Seat - Extended



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*Sidewall Detail*



*Table Detail*



*Satellite Phone*



*Carpet Detail*



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Lavatory Sink



Lavatory



Lavatory Sink - Detail



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*Exterior - Head On View*



*Exterior - Wing Tip*



*Exterior - Stripe Detail*



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Exterior



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