

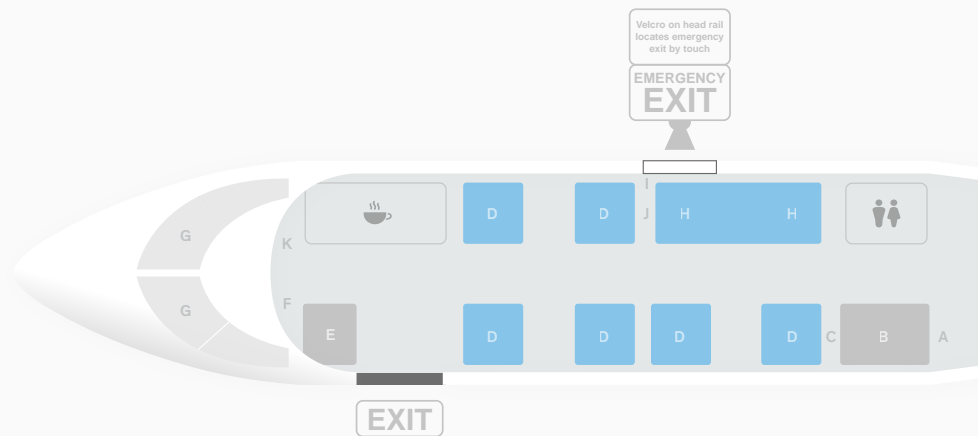
# Challenger 604



Challenger 604, the perfect balance  
of performance and comfort in the sky

# Bombardier Challenger 604

# Cabin Configuration



<b>A</b>	Flashlight	x1	Crew Life Vest	x1	<b>H</b>	Life Raft	x1	
	Defibrillator (AED)	x1	Fire Containment Kit	x1		Passenger Life Vest	x1	
	Supplemental First Aid Kit	x1	<b>E</b>	Halon Fire Extinguisher Cabin	x1	<b>I</b>	Oxygen Outlet	x1
<b>B</b>	Fire Containment Kit	x1		Smoke Hood	x3	<b>J</b>	Nebulizer Kit	x1
	Emergency Medical Kit	x1	<b>F</b>	Portable O2 Bottle W/ Mask	x1		Flash Light	x1
	First Aid Kit	x1		Flashlight	x1	<b>K</b>	Crash Axe	x1
<b>C</b>	Halon Fire Extinguisher Cabin	x1	<b>G</b>	Crew Life Vest	x1		Halon Fire Extinguisher CKPT	x1
<b>D</b>	Passenger Life Vest	x1						

# Technical Specifications

## General Data

Manufacturer	BOMBARDIER
Manufacture Date	1998, FEBRUARY
Model-variant	CHALLENGER CL-600-2B16 (604 VARIANT)
MSN	5368

## Engine

Manufacturer	GE	
Model	CF34-3B	
	Position 1	Position 2
Engine Serial Number (ESN):	872297	872008
Time Since New (TSN)	11 854 Hrs 37 min	11 405 Hrs 55 min
Cycles Since New (CSN)	8 442	8 043
Time Since Last Performance Restoration (TSLPR)	11 854 Hrs 37 min	11 405 Hrs 55 min
Cycles Since Last Performance Restoration (CSLPR)	8 442	8 043
Last Performance Restoration Date	N/A	N/A
Repeated Inspection / on-watch item	N/A	N/A
LLP Limiter in FC	5 558 (Aft Cooling Plate)	5 957 (Aft Cooling Plate)

Engine monitoring performed by Jet-Care

## APU Status

Manufacturer	HONEYWELL
Model	GTCP 36-150
Serial No	P-538C
Part Number	9800804-1
Status	On Aircraft
APU Flight Hours	9 884 AHrs
APU LLP Limiter in FH	5 961 AHrs (Turbine Rotor)

## Landing Gear

	Overhaul Last Done	Overhaul Next Due	Remaining for Most Restrictive LLP
Nose Landing Gear (NLG)	02.Mar.2019	02.Mar.2028	897 Cycles (3 LLP's)
Main Landing Gear LH (MLG LH)	10.Nov.2022	10.Nov.2030	10 808 Cycles (6 LLP's)
Main Landing Gear RH (MLG RH)	09.Nov.2022	09.Nov.2030	10 808 Cycles (5 LLP's)

# Technical Specifications



## Airframe Maintenance

Time Since New (TSN): 11 854 Hrs 37 min

Cycles Since New (CSN): 8 442

	Last Performed		Next Due		Remaining
Check History:	Date:	Cycles:	Date:	Cycles:	
Airframe 24 Months Check	15.Mar.2024		15.Mar.2026		
Airframe 36 Months Check	30.Nov.2022		30.Nov.2025		
Airframe 48 Months Check	30.Nov.2022		30.Nov.2026		
Airframe 96 Months Check	30.Nov.2022		30.Nov.2030		
Airframe 4800 Landings Check		4 851 CSN		1 158 CY	
Airframe 7800 Landings Check		7 915 CSN		7 273 CY	

Maintenance tracking performed by CAMP software

## Aircraft Weights

Description	(lb)
Max take-off Weight	48.200
Max Landing Weight	38.000
Max Zero Fuel Weight	32.000
Max Empty Weight	27.093
Basic Operating Weight	27.700
Fuel Capacity	20.000

# Technical Specifications

## Exterior

White coat with blue and dark gray accent stripes - Last paint performed 2015 in Norwich.

## Aviation Regulatory Compliance Checklist

Flight I.D.; FM Immunity; 8.33 Spacing; RNP10.  
RVSM; RNP5; MNPS;

## Avionics

- Six EFIS Display Tubes with EICAS (EFD-4077);
- Dual Collins FCC-4006 Digital Flight Control Systems;
- Dual Collins ADC-850E Digital Air Data Systems;
- Dual Collins FMC-6000 Flight Management Systems;
- Dual Collins GPS-4000 System;
- Dual Collins VIR-432 VHF Nav Receivers;
- Collins TRW-854 / 14" Weather Radar System;
- Dual Weather Radar Control Panels;
- Collins ALT 55B Radio Altimeter;
- Safe Flight Enhanced Auto Power System;
- Allied Signal EGPWS with Terrain/Obstacle Awareness Display and Windshear;
- Artex ELT C406-2 Emergency Locator Transmitter;
- SB604-34-031 Precision Plus Upgrade;
- Triple Collins Data Concentrator Units (DCU);
- Triple Inertial Reference Systems (IRS);
- Triple Collins VHF-422D VHF Communication System;
- Dual Collins HF-9000 HF Communications System;
- Dual Collins DME-442 Distance Measuring Equipment;
- Dual Collins ADF-462 Automatic Direction Finders;
- Dual Collins TDR-94D Mode S Transponders;
- Collins WX 1000 E LDS (Stormscope);
- Airborne Flight Information System (AFIS);
- Dual Collins RTU-4000 Radio Tuning Units;
- Collins SAT-906/6 SATCOM System;
- SELCAL;
- Collins TCAS II with Ch.7.1;
- Cockpit Voice Recorder – 120 min (SSCVR);
- Fairchild F1000 Flight Data Recorder (FDR);
- SB604-34-033 3D Map/Long Range Cruise Upgrade.

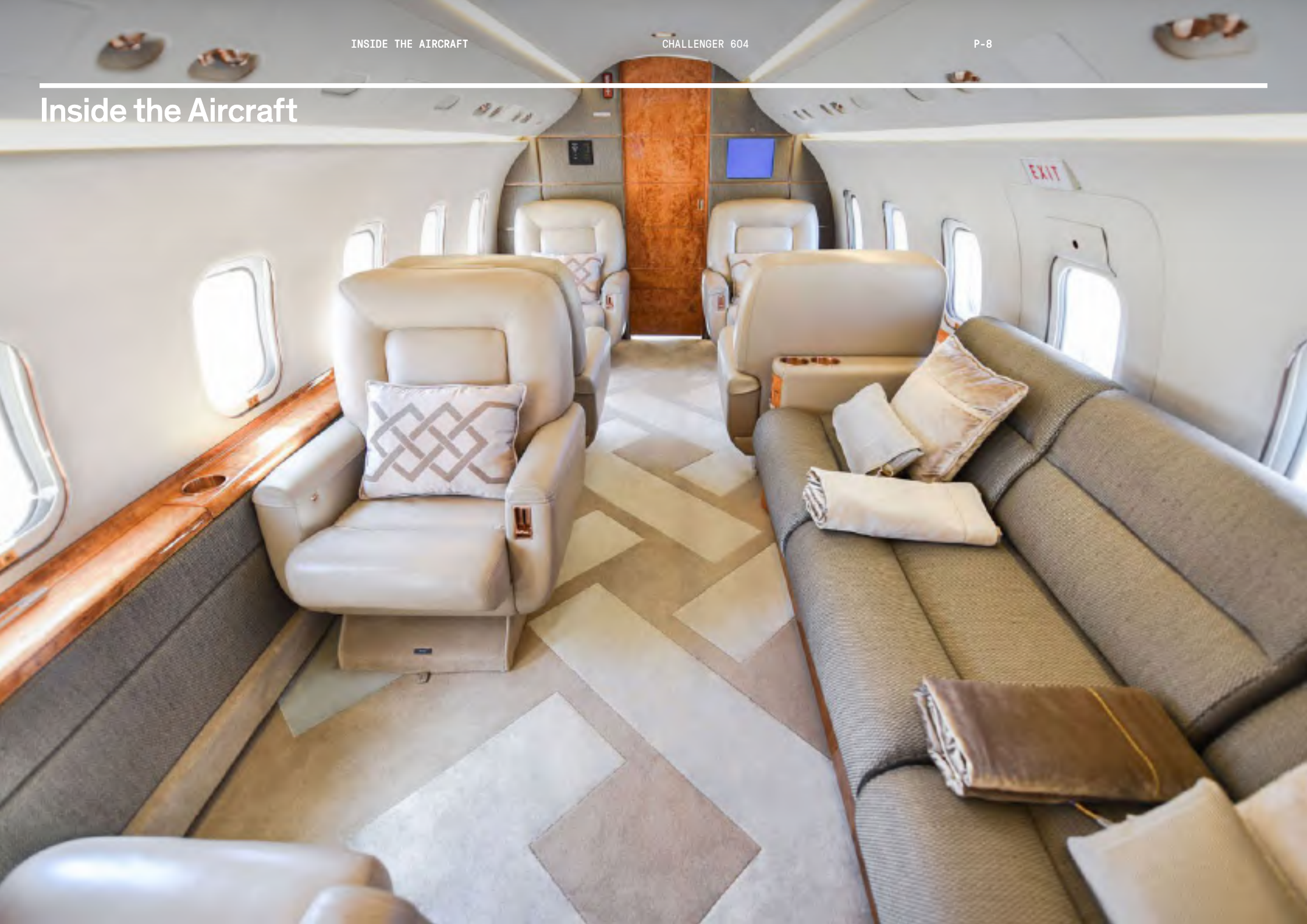
## Aircraft Modifications

- Lightning Detection system (LDS) deactivation;
- Ice and Rain protection - take off safety enhancement (TOSE), introduction of supplemental ground wing anti-icing;
- Special check/modification – Global Positioning System (GPS) – introduction of new GPS-4000s part number 822-2189-101;
- Voice Recording system – new solid-state, 120 minute cockpit voice recorder system;
- Satellite communication system (satcom) - installation of the future air navigation system (FANS) and true north Iridium satellite communication system;
- Global Positioning System (GPS) – wide area augmentation system (WAAS) capable GPS system;
- Air Traffic Control (ATC) transponder system - with automatic dependent surveillance-broadcast ADS-B Out v2 capability.

# Inside the Aircraft



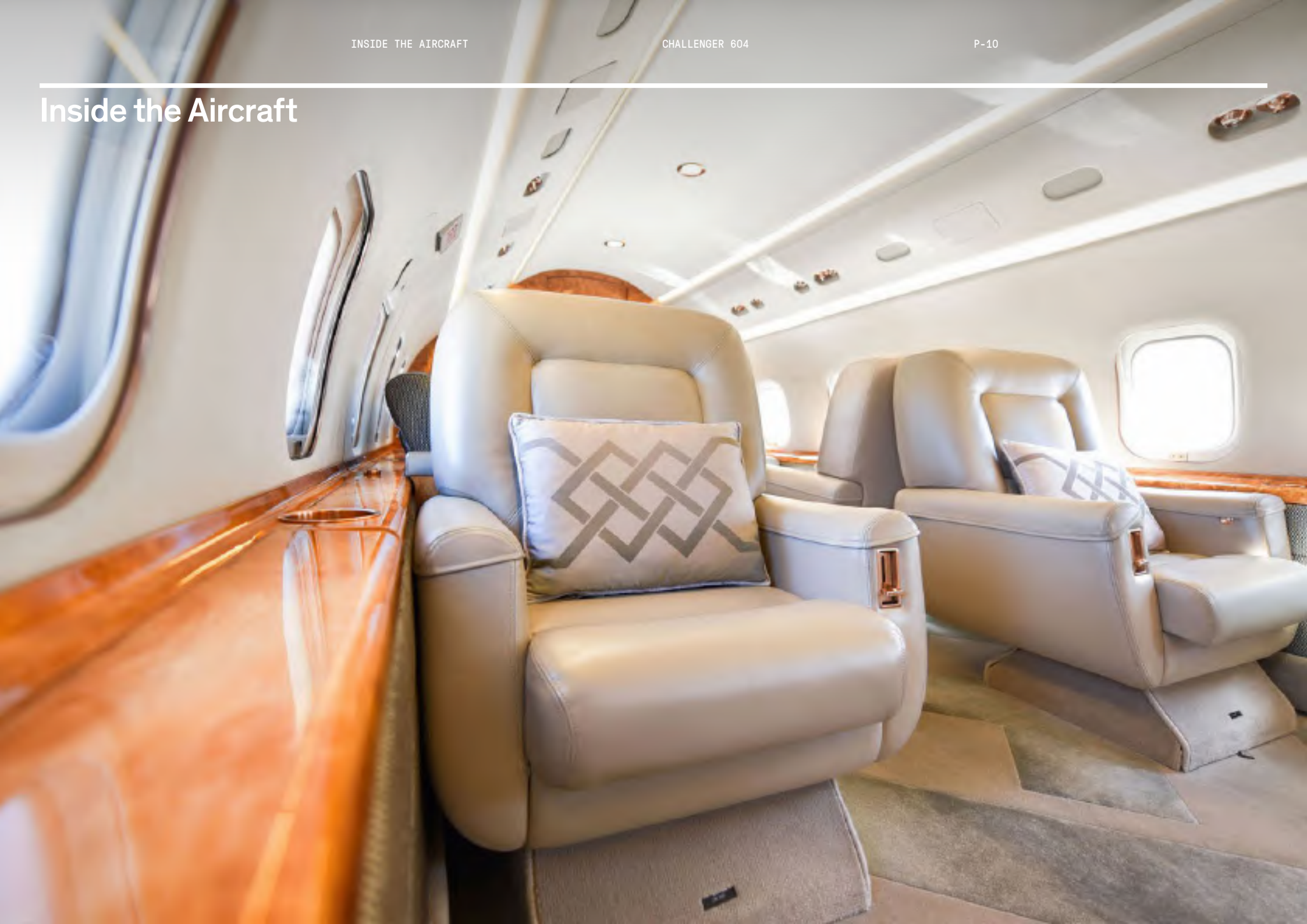
# Inside the Aircraft



# Inside the Aircraft



# Inside the Aircraft



# Inside the Aircraft



# Inside the Aircraft



# Inside the Aircraft



## Interior

- Refurbished 2016;
- Executive nine/ten (9/10) passenger configuration with forward right hand galley;
- Forward four (4) place club;
- Aft three/four (3/4) place berthing divan opposite of a two (2) place club;
- Aft lavatory and vanity with aft baggage access.

## Galley Features

- Ready Hot Instant Hot Water Dispenser;
- TIA Hi-Temp Oven;
- Hot Liquid Container.

## Inside the Aircraft



## Comprehensive Onboard Equipment and Enhancements

- Honeywell AIS-2000 DIRECTV;
- Grimes Upper and Lower Strobe Beacon Light;
- Airshow Genesys Cabin Information System;
- Tow Bar in Fwd Avionics Bay;
- 3 Additional Cabin Windows Installed;
- Service Door Micro Switches;
- Fwd L/H Wardrobe with Jump Seat;
- 2nd Cockpit Refuel/Defuel Panel;
- Pilot/Copilot Map Holder;
- Aft Bay Storage Box with Spare Wheel Attach;
- Two (2) 10-Man Life Rafts;
- Multiple 110 VAC Outlets Throughout Aircraft;
- Rosen Cockpit Sunvisors;
- Pulsating Wing Landing/Taxi Light System;
- Lavatory Mat Switch and Timer;
- Penny and Giles Cabin Display;
- IEC Cabin Management System;
- Two (2) LCD Cabin Monitors (15");
- CD Player;
- DVD Player;
- Video Cassette Player;
- Eight (8) Cabin Speakers and Two (2) Sub Woofers.