JJL HondaJet



Customer Service Optional Service Bulletin Listing Q1 - 2024

HONDA

Introduction

With the ever-growing HondaJet fleet, ensuring our customers have the safest and most reliable aircraft while continuing to offer new, innovative products is always of the utmost importance to the Honda Aircraft Corporation. Thanks to valuable customer feedback, many reliability, economic and aircraft operational analyses, HACIs Customer Support organization have developed numerous aftermarket upgrades available to our customer base. As we continue to gather feedback and analyze fleet data, we will strive to further enhance this list as well as the product roadmap.

The following catalog outlines all of the currently available upgrades that can be installed via Service Bulletin, thus allowing installation by any one of Honda's global partner Service Centers.

For general options, catalog questions and pricing inquiries, please contact your local Service Center or HACI Service Parts Sales Phone: 888.453.2523 / 336.217.4706 Email: <u>servicepartssales@haci.honda.com</u>

For all other Customer Service related inquiries:

Customer Service Hotline: 888.453.2499 / 336.217.4700

Technical Support: 888.453.2501 / 336.217.4702 – <u>HJtechsupport@haci.honda.com</u> Greensboro Service Center: 833.464.1816 / 336.217.4701 – <u>gsoservicecenter@haci.honda.com</u>













- APMG Upgrade Package
- ECMS
- SurfaceWatch
- Steep Approach
- DME
- Terrain Awareness & Warning System Class A(TAWSA)
- TCAS II
- Reactive Wind Shear Detection
- Enhanced Automatic Flight Control System (AFCS)
- Ground Clutter Suppression and Turbulence Detection
- CPDLC
- Jeppesen Chartview



HONDA

- Flight Stream 510
- Bongiovi Audio System
- Alto Audio System
- Cockpit Voice Recorder / Flight Data Recorder (CVR/FDR)
- Mooring/Tie Down Modification
- Cockpit XM Music/Weather
- Cockpit Iridium
- FAA DATACOM
- Aircraft Communication and Addressing Reporting System ACARS
- Dual Tail Logo Light
- RH Wing Ice Light
- Cabin AC Power Outlets





- Dual Transponder (Single to Dual)
- Cabin Sirius XM Radio
- Elite S Performance Package
- Elite II Lower RH Drawer Removable Ice Bin
- Elite II Swivel Seats

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Advanced Performance Modification Group (APMG)

HondaJet APMG Performance Package



At Honda Aircraft Company, there's an unrelenting focus on performance, a constant drive to uncover advancements through design, engineering and technology. The HondaJet APMG performance package is a direct result of this pursuit.

Available for the HondaJet HA-420 Classic model, the Advanced Performance Modification Group package incorporates a number of upgrades to enhance pilot and passenger experience:

Reduced Takeoff Field Length



SN12-15; 17-125	SN Dependent	Available Now!

Upgrades to the Garmin 3000 Suite



FlightStream 510 Compatibility Advanced Integrated Takeoff

greater access to airport locations.

An easier, safer & more enjoyable way to pilot

With a reduced takeoff field length, the HondaJet APMG gives fliers

Upgrades to the HondaJet's Garmin G3000 avionics suite gives pilots an enhanced experience with more situational awareness and increased safety.

The HondaJet APMG has increased its maximum takeoff weight, allowing



Aerodynamic improvements

More operational flexibility

Access to more locations

for more passangers, baggage, or fuel loading.

Design refinements to the aircraft that create better fuel efficiency.

Additional Avionics Enhancements

- AOA Indicator
- Auto-nominate Flight Plan on Startup
- European Visual Reporting Points (VRPs)
- Plain Language TAF Support

Flight Hours Display on CDU

Altitude Constraints on Map

- Vertical Profile Flight Path Based VSD
- New MFD datafields

Specifications	HA-420	HA-420 APMG
Performance		
Maximum Takeoff Weight SL-ISA	10,600 lb	10,700 lb
Useful Load*	3,401 lb	3,501 lb
Takeoff Field Length	3,934 ft	3,491 ft
	*Useful	oad for standard aircraft

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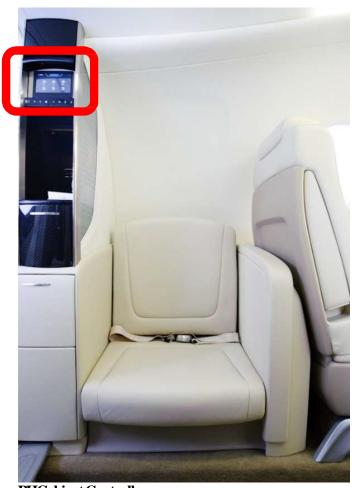
Contact Your Local Service Center or HACIService Parts Sales (ServicePartsSales@haci.honda.com) for Pricing

and Landing (TOLD)



Enhanced Cabin Management System (ECMS)

Installs two (2) touchscreen controllers to the standard RH cabinet and RH aft Personal Storage Compartment. The touchscreens provide controls for cabin, lights, temperature and cabin window shades in addition to aircraft flight information (i.e., moving maps). Additionally, wireless capability enables a mobile device to duplicate the functionality of the touchscreen controllers.





RH Personal Storage Compartment

Aircraft Applicability	Installation Timing	Lead Time
SN12- SUB	80 hrs.	2 Mo.

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Provides more conventional privacy by installing shades between panes of the six (6) cabin windows and inner protections panels. Each shade can be operated independently from open, partial and fully closed position. Shades are operated from the standard shade controls located in the respective main cabin overhead panel or optional Enhanced Cabin ManagementSystem.



RHCabinet Controller

SurfaceWatch

Garmin's runway monitoring technology that provides indications and alerts designed to help prevent pilots from taking off or landing on the wrong runway, a runway that is too short, or a taxiway. During preflight, pilots can enter the takeoff/landing distance performance data, prompting a brief "runway too short" aural annunciation and a visual message on the primary flight display (PFD) if the aircraft is aligned to take off or land on a runway that is too short. SurfaceWatch will also display the remaining runway distance information on the PFD during the takeoff roll and landing rollout. On approach, the system will provide a "check runway" annunciation if the aircraft is aligned with the wrong runway.

Installation Timing

0.5 hrs.

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Aircraft Applicability

SN12 - SUB

Steep Approach

Installs Steep Approach speed brakes, enabling this landing configuration within the Landing Data of the Avionics.



STEEP APR





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Distance Measuring Equipment (DME) Receiver

DME Installation:

Installs a single DME system (transceiver) integrated into the Garmin control and displayed on the Primary Flight Display (PFD).



-'H' Represents DME Hold Mode

		Aircraft Applicability	Installation Timing	Lead Time	
HONDA		SN12 - SUB	40 hrs.	Available Now!	Honda
HONDA	Contact Your Local S	ervice Center or HACIServi	ce Parts Sales (<mark>ServicePa</mark>	rtsSales@haci.honda.	

Terrain Awareness & Warning System Class A (TAWS A)

Terrain above or within 100 feet

Terrain is between 100 feet and Yellow 1000 feet below aircraft altitude

2000 feet below aircraft altitude

TAWS

HondaJet

below the aircraft altitude

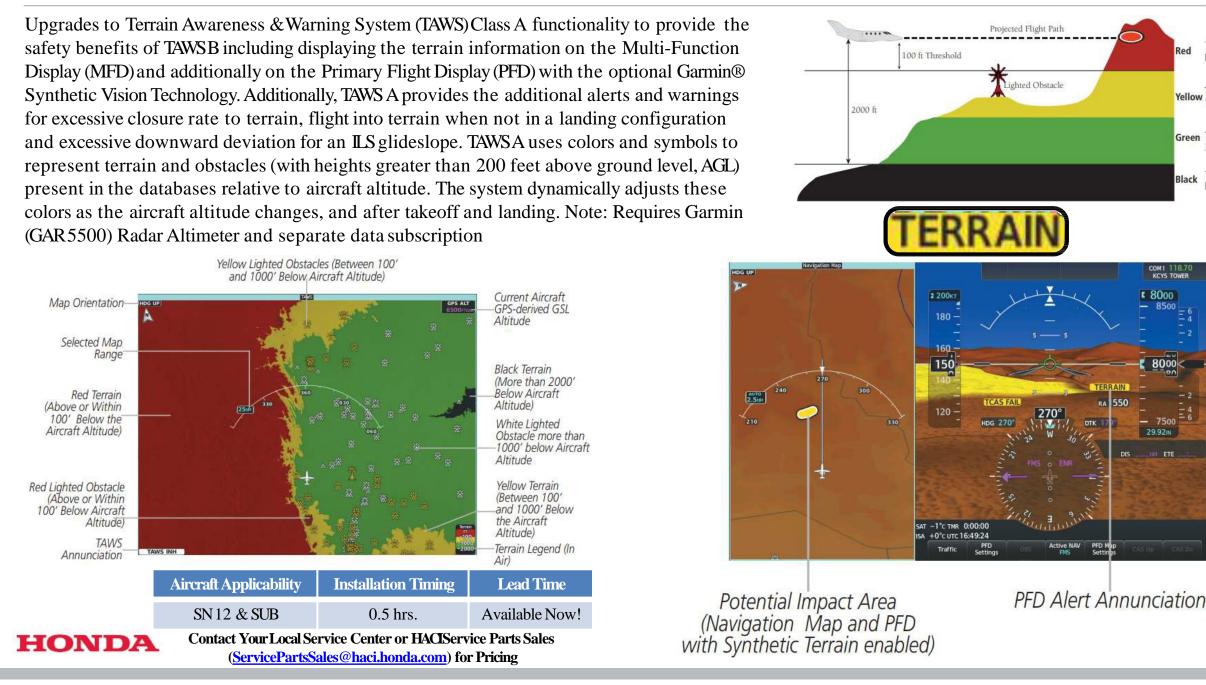
Green Terrain is between 1000 feet and

Terrain is at least 2000 feet

below aircraft altitude

Red

Black



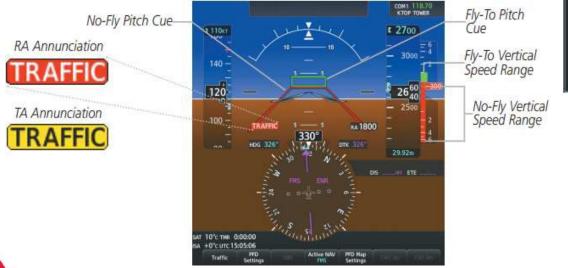
Traffic Alert & Collision Avoidance II (TCAS II)

The Traffic Alert & Collision Avoidance II (TCASII) system improves flight safety by monitoring the airspace for other aircraft with operating transponders in the vicinity. The TCAS II system provides traffic information to the displays, and if separation from other aircraft is within certain limits, the system issues Traffic Advisories (TAs) to assist the flight crew in the visual acquisition of traffic, or Resolution Advisories (RAs) to provide recommended vertical guidance

maneuvers (speed and attitude) to resolve a traffic conflict with one or more aircraft.

For each detected aircraft transponder, the system calculates the time to, and separation at, the closest point of approach (CPA) around potential collision area surrounding own aircraft. Based on this time, the own aircraft altitude, and the selected TCASII operating mode, the system determines if a TA or RA should be issued for the detected intruder traffic.

A Resolution Advisory (RA), displayed as either a filled red square or a red square with a circle inside of it, indicates traffic is within 15-35 seconds of a potential collision area.





Preventive Don't Climb and Don't Descend

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Aircraft Applicability	Installation Timing	Lead Time
SN12 - SUB	12.5 hrs*	Available Now!

*Timing reduced to 10 hrs if converting from dual transponder configuration



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Reactive Wind Shear Detection

Reactive wind shear detection provides caution and warning alerts when a wind shear condition is detected. Both caution and warning alerts may be issued (though not simultaneously) during an actual wind shear encounter. The type of alert issued is dependent on how greatly the wind shear encounter is affecting the aircraft's performance.





A windshear **caution** alert provides crew awareness of likely wind shear conditions as the aircraft performance is increasing. This may be due to an updraft, increasing headwind, or decreasing tailwind.



Awindshear warning alert notifies the crew of the presence of likely wind shear conditions as the aircraft performance is decreasing, for immediate corrective action.









Enhanced Automatic Flight Control System (AFCS)

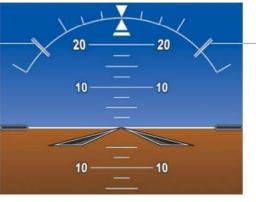
Stability and Protection System (ESPTM):

Provides additional protection to the pilot by maintaining stable flight condition and flight envelope margin. Actively monitoring and correcting as required in the background, Stability and Protection System assists in avoiding inadvertent flight attitudes and airspeed while the autopilot is not engaged.

Roll Limit Indicator Stability and Protection Engage

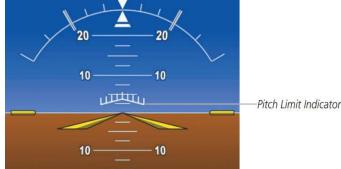
Roll Engagement: Roll Limit Indicators are displayed on the roll scale at 45° right and left, indicating where Stability and Protection will engage.



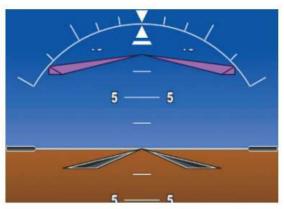


Roll Limit Indicator Stability and Protection Engage (45°)

Angle of Attack Protection: ESP pitch down force is applied when the Stall Warning and Protection System determines a stall warning condition is present. When AOA decreases below Vsw, AOA pitch force is removed. A Pitch Limit Indicator is always displayed on the PFD at the computed pitch attitude corresponding to Vsw.









Coupled Go-Around with Underspeed Protection(USP):

In case of mismanagement of thrust input after pressing the Go-Around button, the autopilot remains engaged and USP automatically maintains safe airspeed by controlling pitch angle while also providing aural and visual warnings to the pilot.

Aircraft Applicability	Installation Timing	Lead Time	
SN 126 - SUB	0.5 hrs.	Available Now!	
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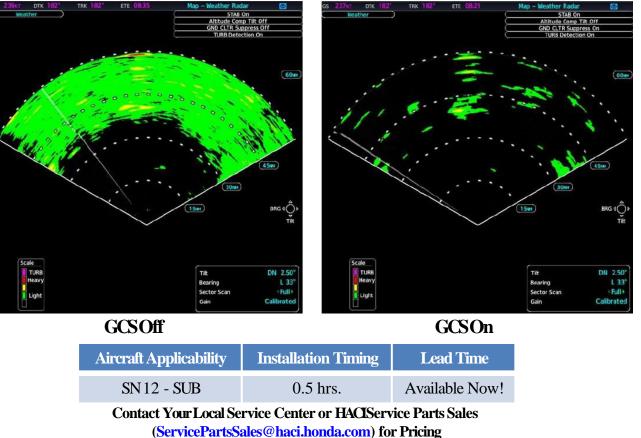


Command Bars Indicate Climb

Ground Clutter Suppression and Turbulence Detection

Ground Clutter Suppression (GCS):

This feature identifies radar ground returns and removes them from the display through the use of Doppler radar and special algorithms. Selecting this feature ON will remove most of the ground clutter from the display screen. This feature can greatly improve the pilot's ability to differentiate weather returns from ground returns.



LOC GS Hail On KHOW TOWER LTNG On × 2000 PWS Hail 170 -- LTNG 160 - 635 150 -136 120 -RA 11 110 -100 -HDG 323 **CRS** 138 VSPEEDS RW13C 3.500 138 4.700 TAS 71KT 0:00:00 GS 137KT HITOB fal -> RW13C m UTC 22:47:40 SPKR OF PFD Settings Active NAV PFD Map Traffic CAS Dn Settings

Turbulence Detection:

Weather Radar

This feature assists in identifying areas of turbulence associated with precipitation (including rain and hail) using the color magenta during a horizontal scan. These magenta areas represent precipitation moving at a high rate of speed either toward or away from the radar antenna, using Doppler radar measurements.



COM1 135.20



Controller Pilot Data Link Communications (CPDLC)

Installs and activates single VHF Data Link Radio with Mode 2 capabilities and CPDLC functionality allowing for direct exchange of text-based messages between an air traffic controller and a pilot. Requires: VHF/ COM3 Radio. Note: Cannot be installed with FAA DATACOM

The CPDLC system is intended for use in Europe with the Link 2000+ DLS(Data Link System) and will communicate with the AIN(Aeronautical Telecommunications Network) only. Eurocontrol is responsible for the technical coordination of the integration of the airborne and ground based components of the Link 2000+ DLS.



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	Aircraft Applicability	Installation Timing	Lead Time			
	SN12 & SUB	122 hrs.	Available Now!			
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Garmin Flight Stream 510

The Garmin Flight Stream 510 provides a secure, integrated connectivity datalink to the Garmin G3000 avionics and a personal electronic device (PED). Flight Stream 510 allows users to input data (e.g., flight plans, databases) straight to the displays. Flight Stream 510 also provides the following data to the user's PED:

Flight Plan

KICT MCI BAYLI BDF5 KORD O

239°M

004°M

055%

Add Waypoint

160mm

63366

53400

0

Flight Stream 810: Ensure GPS antenna has unobstructed view

Channel 0: -

of the sky

iriusXM Audio

light Plan Transfe

- Attitude and Heading Reference System (AHRS)
- ADC information
- GPS position, navigation, and timing
- Active flight plan in the FMS
- Traffic information
- Weather information



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	TE 17x1 Taiwind TA	elan. Henroll Edus	SMS Text Inbox Back Home Avionics Flight Plan T	CNXT Half	Up Down
	Aircraft Applicability	Installation Timing	Lead Time		
	SN 12 & SUB	2 hrs.	Available Now!		
Contact Your Local S	ervice Center or HACIServio	e Parts Sales (<mark>ServicePar</mark>	rtsSales@haci.honda	.com) for Pricing	

KERD



Notifications

KDAL / KMCI-

CPDLC

System Messages

Telephone

Connext

Flight Plan Received

Pending Flight Plan Name

Flight Plan Received Button



Bongiovi Audio System

Provides a fully immersive premium audio experience utilizing Bongiovi Digital Power Station (DPS) technology, coupled with transducers attached to the interior panels, the panels become the speakers. Audio headphone jacks are located in each personal storage compartment. Audio system functions, including volume control and audio source selection, are accessed through two touchscreen controllers or a portable electronic device for the Enhanced Cabin Management System (required for installation). Audio source inputs (Bluetooth and 3.5mm stereo) are installed in the standard RH cabinet.



Low Profile (3.2" x 1") Light Weight (0.2 lbs)

HONDA



DPSHeadphone Module Light Weight (0.2 lbs)





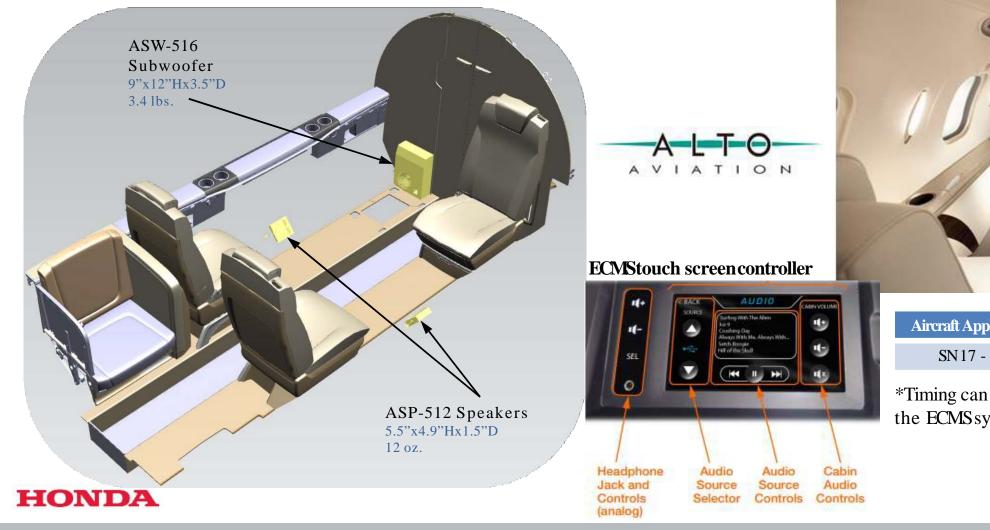
Aircraft Applicability	Installation Timing	Lead Time
SN 73 – SUB	90 hrs.*	Available Now!

*Timing can be reduced if installed simultaneously with the ECMS system



Alto Audio System

The Alto Audio System option provides a VIP industry standard experience. This Honda Aircraft custom solution has been tailored specifically to the HJ cabin to deliver a premium quality sound for every passenger. Audio system functions, including volume control and audio source selection are accessed through two controllers or portable electronic devices for the Enhanced Cabin Management System. Speakers are installed with a power amplifier as well. Requires: Enhanced Cabin Management System





Aircraft Applicability	Installation Timing	Availability
SN17 - 239	~80 hrs.*	Available Now!

*Timing can be reduced if installed simultaneously with the ECMS system

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Cockpit Voice Recorder / Flight Data Recorder (CVR/FDR)

The Universal Avionics combined Cockpit Voice Recorder(CVR) & Flight Data Recorder (FDR) with embedded Recorder Independent Power Supply (RIPS) is one of the lightest CVR/FDR combo solutions available with no internal batteries to maintain. The Solid-State flash memory provides 25 hours of flight data recording, 120 minutes of cockpit voice and ambient audio and 120 minutes of data link messaging (if equipped).

The internal RIPS feature provides ten minutes of backup power when all primary power is lost (as may be the case following a flight incident). The CVR/FDR is ARINC 757 compliant, providing support for three crew microphones, and one area microphone.



FLIGHT RECORDER DO NOT OPEN



UNIVERSAL[®]AVIONICS

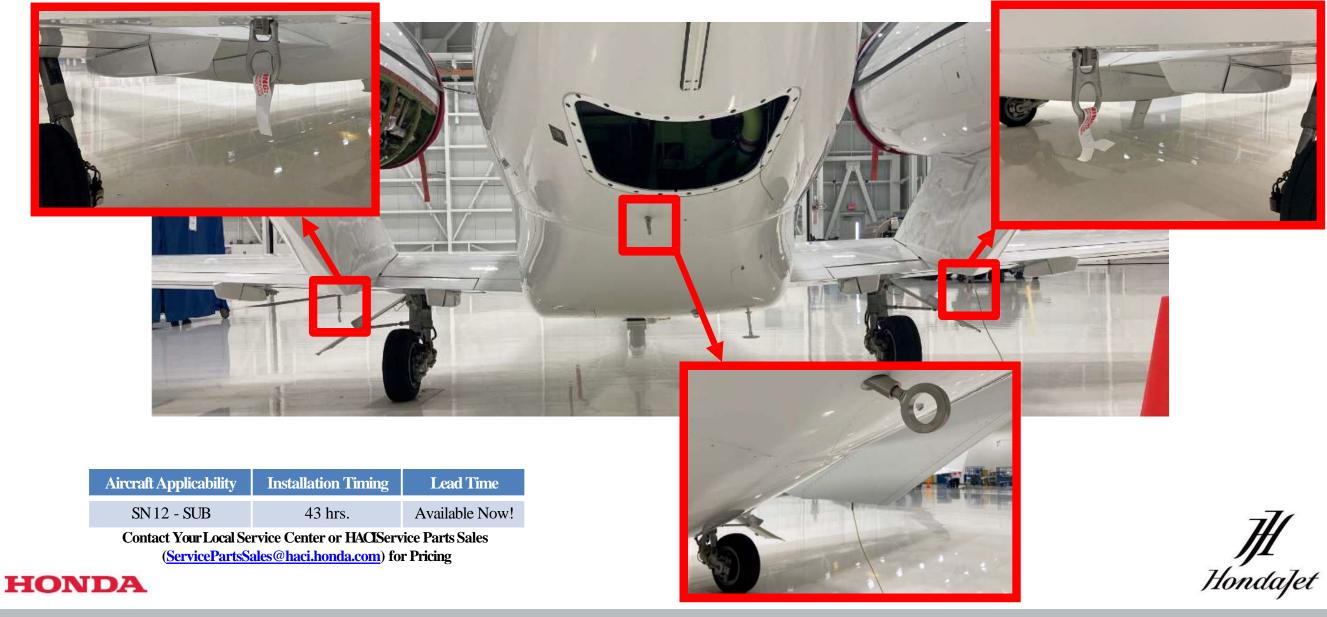


	Aircraft Applicability	Installation Timing	Lead Time			
	SN 12 & SUB	80 hrs.	1 Mo			
Contact Your Local S	Contact Your Local Service Center or HACIService Parts Sales (<u>ServicePartsSales@haci.honda.com</u>) for Pricing					



Mooring/Tie Down Modification

Modification installs three mooring points for aircraft tie down capability. Two mooring points are located under the engine pylons and a third point located under the tail cone.



Sirius XM Radio & Weather

Installs Sirius XM weather data-link (GDLG9A) with display integrated with Garmin avionics system allowing the pilot to make informed, safer decisions based on the most up to date weather. Also includes Sirius XM Radio functionality in cockpit. Note: Requires service agreement with Sirius XMAviation Weather.





Aircraft Applicability	Installation Timing	Availability
SN 12 & SUB	27 hrs.	Available Now!

Contact Your Local Service Center or HACIService Parts Sales (<u>ServicePartsSales@haci.honda.com</u>) for Pricing



Sirius XM weather and audio services are available in the continental United States and its coastal regions as well as Southern Canada. This map is an approximation of coverage for SXM service and does not identify actual service levels. Satellite signal strength at border regions may be limited HondaJet



Cockpit Iridium

Installs Iridium service capability, accessed via the GSR 56 Datalink in the cockpit, providing global voice communications through the pilot's headset with call control integrated through the Garmin® controls. Additionally, weather data can be accessed right on your Garmin flight display from nearly any point on the globe where data is available.

Note: Requires connect-cockpit service agreement with Garmin® Connext Bundles or Individual Service Plans.



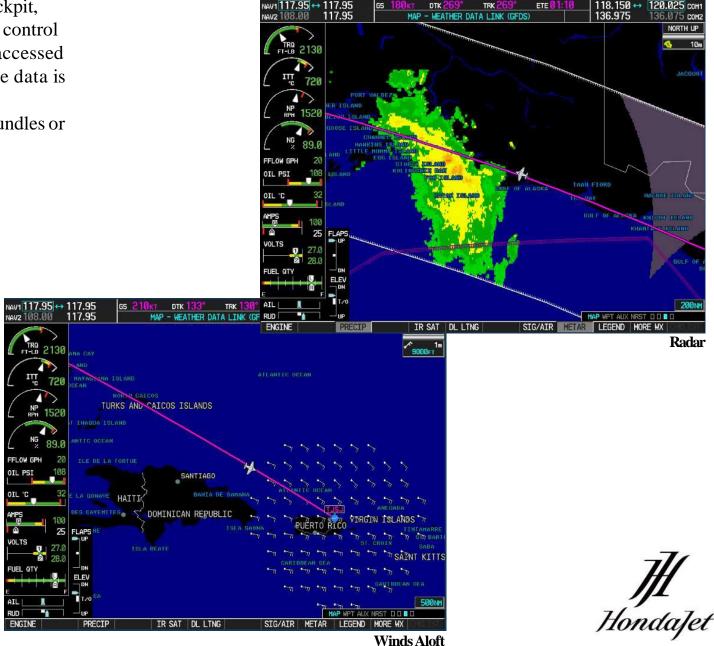




Aircraft Applicability	t Applicability Installation Timing	
SN12 - 234	68 hrs.	1 Mo.
Contact Vour Local Sa	ration Contor or HACISor	ico Porte Solos

Contact Your Local Service Center or HAUService Parts Sales (ServicePartsSales@haci.honda.com) for Pricing





DTK

18.150 ++

FAA DATACOM

Provides functionality for data link between aircraft and FAA AirTraffic Control and is only available within the lower 48 United States. Requires separate service subscription from Garmin. Requires: Elite S Software and VHF/COM3 Radio. Note: Cannot be installed with CPDLC.

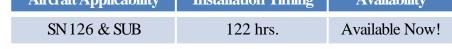


Logon is possible up to 4 hours prior to proposed departure time at DCL enabled airports, logon at least 30 minutes prior to filed departure time in order to receive DCL

Note that the ADS-C is not be enabled if equipped with FAA Datacom only.









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Aircraft Communication and Addressing Reporting System

ACARS:

Provides functionality for Aircraft Communication and Addressing Reporting System (ACARS)data link. Using an in-place network of ground station and satellite links, ACARS enables high-speed digital data communications and AIC and ground support operations on a global, seamless, automated basis. Examples of capabilities include:

- Flight plan upload
- Flight crew messaging
- Weather updates
- Automatic transmission of position reporting and Out/Off/On/In status

Requires: Elite SS of tware and VHF/ COM 3 Radio.

Aircraft Applicability	Installation Timing	Availability
SN 126 & SUB	122 hrs.	Available Now!





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Exterior Lighting Options

Right Hand Wing Inspection Light:

Provides redundancy of ice observation by the standard LH wing inspection light and additional visibility at night. The light is installed on the RH forward belly fairing.





Aircraft Applicability

SN12 & SUB

Installation Timing

11 hrs.

Lead Time

Available Now!

Left/Right Hand Logo Light:

Illuminates the tail number for night operation. The lights are incorporated on both sides of the horizontal stabilizer. The Logo Lights are operated from the cockpit.



HONDA

Cabin AC Power Outlets

Inverter #1 Installation:

Installation of a single 110 VAC 60 Hz inverter with outlets located in the left and right forward facing seat cubbies.















Cabin AC Power Outlets

Inverter #2 Installation:

Installation of a single 110 VAC 60 Hz inverter with outlets located in the left and right aft facing seat cubbies and in the right cabinet center aft of the cubby. Requires: Inverter #1 Installation.









	Aircraft Applicability	Installation Timing	Lead Time	
	SN 12 & SUB	36 hrs.	Available Now!	
Contact Your Local S	ervice Center or HACIServic	ce Parts Sales (<mark>ServicePar</mark>	ts <mark>Sale</mark> s@haci.honda.	<u>com</u>) for Pricing



Elite S Performance Package

Elite SUpgrade:

The Elite SPerformance Package provides a gross weight increase of <u>200</u> <u>lbs.</u> Nose Wheel Steering (NWS) advancements have been incorporated resulting in improved ground handling with rudder control. This upgrade also increases crosswind capability from 20 kts to <u>25 kts</u>, <u>demonstrated</u> and offers unlock capability for CPDLC, FAA Datacom and ACARS utilities.

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		-		
3	Aircraft Applicability	Installation Timing	Lead Time	
1 00	SN 126 – 206	61 hrs.	Available Now!	

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Elite II Swivel Seats

Swivel Seat Installation:

Installs the Elite II swivel functionality with the existing seat control handles and hardware. Any combination (i.e., 1 or all 4) of cabin seats may be modified. Modification allows for full range of motion at the L1, Executive Seat and 180 degrees at all other seats.



420ASB2510252A



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Additional Optional Service Bulletins

Single to Dual Transponder: Installation of second GTX33D Garmin Transponder for aircraft currently installed with TCAS I



Aircraft Applicability	Installation Timing	Lead Time
SN12-234	21 hrs.	Available Now!

Sirius XM Cabin Radio:

Delivers more than 170 digital channels, of music, news, weather, sports, talk radio and more, directly to your HondaJet anywhere in the continental United States.

Requires: Personal Storage Compartment and Audio Entertainment option.



Elite II Ice Bin:

Installation insulated drawer liner in Right Hand Cabinet to allow for ice storage. Requires: Cabin configuration with RH Cabinet.



77/	Lead Time	Installation Timing	Aircraft Applicability
//[1 Mo.	1 hr	SN 12 & SUB

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Optional Service Bulletin Roadmap



Optional Service Bulletin Product Roadmap

- Planned for 2024
 - Legacy/APMG Cockpit USB Outlets
 - Gogo L3 Cabin WiFi
 - Elite II Hardwood Flooring Runner
 - Elite II Cockpit Sheepskin seat covers
 - Communications Iridium Dual Pole Antenna

