

# AMS-5000 for the Beechjet 400A

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*Don't be caught with an unsupported FMS database; upgrade your Beechjet 400A today and lower your operating costs and maximize the capabilities and value of your aircraft well into the future.*

Take advantage of the last offering of this Marketing Bulletin. The Rockwell Collins AMS-5000 integrates enhanced flight management system (FMS) features and capabilities into the flight deck. These enhancements include:

- **SIDs & STARs Selection** – Through the "DEP/ARR" button, SIDs & STARs and their applicable transitions may be loaded in the flight plan, significantly reducing pilot workload.
- **Coupled Multiwaypoint VNAV** – The AMS-5000 calculates one vertical path through multiple lateral waypoints, enabling a fully stabilized descent or approach. The AMS-5000 also provides the capability to perform vertical "direct to" descents to meet individual waypoint altitude restrictions.
- **Non-precision Approach Capability** – With the AMS-5000, Beechjet 400A operators are permitted to use LNAV/VNAV minimums on RNAV (GPS) approaches. The flight crew may also choose to fly to a decision altitude per the FAA-released Advisory Circular 90-97, "Use of Barometric Vertical Navigation (VNAV) for Instrument Approach Operations Using Decision Altitude."
- **Automatic FMS-to-ILS Transitions** – When ILS is selected through the AMS-5000, it is automatically tuned and the inbound course is set. Once the "APPROACH" button on the mode select panel is pressed and a valid localizer is received, the active navigation source switches from FMS to ILS. This reduces head-down time during the most critical phase of flight.
- **Visual Approaches (VFR only)** – For every runway in the AMS-5000 database a visual approach has been created allowing the autopilot to be fully coupled (laterally and vertically) to the runway threshold. These approaches may be customized by the flight crew to meet specific situational needs.

Rockwell Collins is proud to offer additional value to your purchase through a limited time offer of **CASP** (Corporate Aircraft Service Program) discounts for both new and existing enrollments. CASP is a premier maintenance and cost management program, which assures maximum aircraft dispatchability, minimum downtime, and reduced life cycle costs.

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Other advanced features of the AMS-5000 include:

- > Holding patterns
- > Enhanced fuel management
- > Parallel offsets
- > Power-up synchronization
- > Weather radar sector scan
- > Electronic stabilization for weather radar
- > Improved flight director steering computations
- > Improved level change mode
- > Improved "close in" localizer captures
- > Modified (non-active) flight plan changes are displayed as a dashed line on the multifunction display (MFD)
- > Navigation database including approaches and associated missed approaches

#### AMS-5000 UPGRADE DETAILS

The AMS-5000 installation requires replacing the integrated avionics processing system (IAPS) and associated components to provide the latest technology available for the Pro Line 4 system. Rockwell Collins is offering a dual AMS-5000 system a two-year warranty and will replace or update required line replaceable units (LRUs). Also, see AMS-5000 SIL 1-96 and SIL 1-99 or contact your Rockwell Collins Authorized Dealer for additional information.

#### AMS-850 LIMITATIONS

The Solution limitations to AMS-850 are outlined in letter to operators, dated October 22, 2007<sup>5</sup>.

Does your aircraft qualify? The following items must already be installed on the aircraft for this Marketing Bulletin to apply.

**This summary table assumes the aircraft includes the Alpha and Bravo modifications and is configured with three or four displays. If the aircraft is a three-display configuration one of the displays must be an MFD. If the aircraft is a four-display configuration two of the displays must be MFDs.** If required, the electronic flight display (EFD) to MFD conversion is available via Service Bulletin 29. The equipment listed do not include mounting hardware (i.e. racks and connectors). Other modifications may be required depending on individual aircraft configuration. Current Beechjet 400A production includes the Rockwell Collins AMS-5000.

Existing Type	CPN	Qty
ADC-850D	822-0389-118/450	2
EFD-871	622-9345-025/027	2
MFD-871	622-9434-035/037	1 or 2
ATC-850	622-9377-001	1
FCC-850	622-7410-302	2
CDC-850C	622-9924-002	1
CDU-851 or	622-9578-001	2
CDU-860	622-9576-011	2
Existing Type	CPN	Qty

FMC-851C or	622-9925-002/220	1 or 2
FMC-852C	622-9926-002/220	1 or 2
ICC-851	622-9342-002	1
IOC-851A	622-9343-102/104	4
PWR-851A	622-8365-003	4

#### LPV (Option)

Rockwell Collins Pro Line 21 is supporting Localizer Performance with Vertical Guidance (LPV). LPV approaches are providing pilots unprecedented access to runways and airports that do not have an ILS or in some cases providing a valuable back up to the ILS. LPV approaches are also giving operators Cat 1 like approach minimums as low as 200' and half mile visibility. The BJ400A AMS-5000 upgrade program offers an optional updated FMS with fully integrated LPV approaches.

#### TRADE-IN CREDIT

A trade-in credit will be issued against the purchase of an AHC-3000A upon Rockwell Collins receipt of an AHC-85E. Trade-ins are limited to one credit for each AHC-3000A purchased. A credit will be issued to the dealer after the existing equipment is received at the Rockwell Collins Wichita Service Center, 2051 Airport Road, Wichita, Kansas 67209, phone number 316-677-4808. Dealer acceptance of special pricing in this bulletin obligates the dealer to pass the applicable equipment trade-in amount to the aircraft end operator.

#### CASP (CORPORATE AIRCRAFT SERVICE PROGRAM) SPECIAL INCENTIVES

Rockwell Collins is offering a CASP discount program when you take advantage of this Marketing Bulletin offer for remaining Rockwell Collins equipment in your aircraft.

For aircraft not currently enrolled in CASP, enroll within 30 days of placing an order for this upgrade and receive a 10% discount on current CASP prices.

Aircraft enrolled in CASP at the time of order placement will receive a 5% discount on their CASP renewal (in addition to the standard 10% renewal discount).

Key benefits of CASP include:

- > Exchange, rental and repair
- > Reliability upgrades
- > Removal and refit labor reimbursement
- > RVSM annual certification
- > FMC/MDC battery replacement
- > No charge for unused exchange returns
- > Up to five no fault finds without penalty
- > Global priority parts support

For CASP details and existing discounts that may be applicable to your aircraft, contact a CASP representative at 1.319.295.4361 or [caspp@rockwellcollins.com](mailto:caspp@rockwellcollins.com). You may also visit [CASP on Rockwell Collins.com](http://CASP.on.RockwellCollins.com). Discounts listed in this bulletin may be combined with all other standard CASP discounts.

Once availability has been determined, contact Mark Gibbs at the Rockwell Collins Wichita Service Center, phone 316.677.4808, to schedule required modifications. The following equipment must be sent to the Rockwell Collins Wichita Service Center to be upgraded to the new status endings (contact Mark Gibbs 316.677.4808). Any units requiring repair to meet Rockwell Collins return-to-service, will be quoted to the dealer.

Type	Existing CPN	Qty	SB#	New CPN	Note
ADC-850D	822-0389-118 or	2 or	#37	822-0389-129	
	822-0389-118 or	2 or	#506,531,63	822-0389-433 (RVSM)	
	822-0389-450 or	2 or	#531	822-0389-433 (RVSM)	#63 already installed
	822-0389-450	2	#531, #63	822-0389-433 (RVSM)	
EFD-871	622-9345-025/027	2	#34, #35	622-9345-203	
MFD-871	622-9434-035/037	1 or 2	#34, #35	622-9434-213	

The conversion of the Electronic Flight Display (EFD) to (MFD) requires the installation of Service Bulletin #29.

Type	Existing CPN	Qty	SB#	
EFD-871 (if aircraft has 3rd EFD)	622-9345-025/027	1	#29,34,35	622-9434-213 (MFD)

The following items must be purchased from your Rockwell Collins Authorized Dealer for the AMS-5000 upgrade.

Type	CPN	Qty
FMC-5000	822-0891-008	2
CDU-5000	822-0892-019	2
ATC-4000	622-9817-001	1
DCP-5000	822-1028-011	2
FCC-4007	822-1019-313	2
CSU-4000 <sup>6</sup>	822-0049-002	2
ICC-4008	822-1029-101	1
IOC-4000	622-9814-511	4
IEC-4001	822-0333-001	2
LHP-4000	822-0287-801	1
LHP-4001	822-0332-801	1
PWR-4000	622-9945-021	4
MDC-4000	622-9818-751	1
PILOT'S GUIDE	523-0778-334	1
LETTER (Navigation Database Letter)	523-0778-563	1



**OPTION 1: GPS-4000S (Required for LPV)**

Type	CPN	Qty	
GPS-4000S <sup>1</sup>	822-2189-010	1 or 2	See Rockwell Collins GPS-4000S Marketing Bulletin BRS-110109.4M for information

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**OPTION 2: DBU-5000/5010E**

Type	CPN	Qty	
DBU-5010E <sup>2</sup>	822-3000-202	1	See Rockwell Collins DBU-5000/5010E Marketing Bulletin BRS-110091.5M for information

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**OPTION 3: AHC-3000A - For LPV upgrade, aircraft with AHC-85E units installed must have units replaced with AHC-3000A, due to data rate incompatibilities.**

Type	CPN	Qty	
AHC-3000A	822-1378-001	2	
ECU-3000	822-1200-209	2	
MMT-3010	822-1290-004	2	
AHC-3000A STC <sup>4</sup>	Place order using STC #ST02173LA		

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**OPTION 4: LPV FMS UPGRADE<sup>6,7</sup>**

Type	CPN	Qty	
OCM-4100	822-1463-227	2	
CSU-4100	822-1364-002	2	
CSU-4000 <sup>6</sup>	822-0049-002	-2	
FMC-5000	822-0891-028	2	
FMC-5000 <sup>6</sup>	822-0891-008	-2	
IOC-4000	622-9814-515	4	
IOC-4000 <sup>6</sup>	622-9814-511	-4	
BJ400A LPV STC <sup>4</sup>	Place order using STC #ST02325LA		

The following removed equipment must be returned to the Rockwell Collins Wichita Service Center:

Type	CPN	Qty
ATC-850	622-9377-001	1
FCC-850	622-7410-302	2
CDC-850C	622-9924-002	0 or 1
CDU-851 or CDU-860	622-9578-001 622-9576-011	2 2
FMC-851C or FMC-852C	622-9925-002/220 622-9926-002/220	1 or 2 1 or 2
ICC-851	622-9342-002	1
IOC-851A	622-9343-102/104	4
PWR-851A	622-8365-003	4
CMA-764	270-1306-XXX	1

#### NOTES

1. Aircraft must have the Rockwell Collins GPS-4000S and WAAS capable TSO c190 antennas installed to enable LPV. See Marketing Bulletin BRS-110109.4M GPS-4000S for part numbers. The installation of the GPS-4000S using Approved Model List (AML) STC, ST01433WI-D, is available from Rockwell Collins.
2. Aircraft must have the Rockwell Collins DBU-5000/5010E, PCD-3000 or CPAS-3000 installed to load LPV. See Marketing Bulletin BRS-110091.5M DBU-5000/5010E for part numbers. The installation of the DBU-5000/5010E using Approved Model List (AML) STC, ST01431WI-0, is available from Rockwell Collins.
3. A trade-in credit is offered for return of each AHC-85E. Return removed AHC-85E's to Rockwell Collins Service Center, 2051 Airport Road, Wichita, Kansas 67209, phone number 316.677.4808, reference Marketing Bulletin BRS-110103.7M, AMS-5000 for the Beechjet 400A trade-In program.
4. Please place your order for the STC through a Rockwell Collins Authorized Dealer.
5. The AMS-850 Operators Letter and AMS-5000 presentation is available.
6. AMS-5000 equipment must be replaced with updated LPV FMS equipment when placing your order.
7. Reference LPV FMS Upgrade for Pro Line 4 Beechjet 400A/400XP Marketing Bulletin, BRS-110117.4M for additional required equipment and special notes.

## TERMS AND CONDITIONS

Unless otherwise noted, the programs are valid for orders placed between January 1, 2015 and December 31, 2015 with delivery requested by April 1, 2016. Warranty period for the equipment within this program is two years and one year for modified equipment. Standard warranty does not apply to software.

How can we help?

Please call Rockwell Collins Customer Support at 319.295.5000.

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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