

TITLE

NAVIGATION - INTRODUCTION OF AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST OUT (ADS-B OUT) INSTALLATION KIT

EFFECTIVITY

MODEL	SERIAL NUMBERS
B200 (Super King Air)	BB-1769, BB-1834, BB-1843 and after
B200C (Super King Air)	BL-148 and after
B200GT (Super King Air)	BY-1 thru BY-206, BY-208 thru BY-238, BY-240 thru BY-249
B300 (Super King Air)	FL-381, FL-383 thru FL-953, FL-955 thru FL-1009, FL-1011 thru FL-1030
B300C (Super King Air)	FM-12 thru FM -65

NOTE: Textron Aviation-Owned Service Centers are the only facilities that can complete this service bulletin.

NOTE: Review Kits 101-3416 and 101-3417 for prerequisite configuration requirements before starting any work.

REASON

This service bulletin is being issued to comply with operational requirements for ADS-B Out.

DESCRIPTION

This service bulletin announces FAA-approved Kits 101-3416 and 101-3417 that are available for installing ADS-B Out capable components that meet the operational requirements.

COMPLIANCE

OPTIONAL. This service bulletin can be accomplished at the discretion of the owner.

A service bulletin published by Textron Aviation may be recorded as "completed" in an aircraft log only when the following requirements are satisfied:

- 1) The installer must complete all of the instructions in the service bulletin, including the intent therein.
- 2) The installer must correctly use and install all applicable parts supplied with the kit drawings referenced in this service bulletin. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The installer must use the technical data in the service bulletin only as approved and published.
- 4) The installer must apply the information in the service bulletin only to aircraft serial numbers identified in the *Effectivity* section of the bulletin.
- 5) The installer must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

No individual or corporate organization other than Textron Aviation is authorized to make or apply any changes to a Textron Aviation-issued service bulletin, service letter, or flight manual supplement without prior written consent from Textron Aviation.

December 13, 2016

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Textron Aviation Customer Service, P.O. Box 7706, Wichita, KS 67277, U.S.A. 1-316-517-5800

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Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-Owned Service Center.

APPROVAL

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

Prior to accomplishment, owners/operators of airplanes registered in countries other than the United States shall consult with their local Aviation Regulatory Authority.

FLIGHT CREW OPERATIONS

Refer to the attached *Flight Crew Operations Summary*.

TOOLING

NAME	NUMBER	MANUFACTURER	USE
IFR Test Set	IFR-6000 with software 2.08.00 or later or equivalent	Aeroflex 10200 West York Street Wichita, KS 67125	To verify transponder transmitted data.

WEIGHT AND BALANCE INFORMATION

Refer to Kits 101-3416 and 101-3417 General Notes for weight and balance information.

REFERENCES

The latest revision of each of the following engineering kit drawings released at the time of modification must be used.

KIT PART NUMBER	KIT TITLE
101-3416-0001	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation, Single GPS
101-3417-0001	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation Provisions, Single GPS
101-3416-0003	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation, Dual GPS
101-3417-0003	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation Provisions, Dual GPS

NOTE: Make sure all publications used are complete and current. Refer to www.txtavsupport.com.

PUBLICATIONS AFFECTED

Super King Air FAA Approved Flight Manual Supplement, P/N 101-590010-0565 or subsequent revision, Chapters 24 and 34;

Super King Air Model B200/B200T/B200C/B200CT Illustrated Parts Catalog, P/N 101-590010-159W or subsequent revision, Chapters 24 and 34;

Super King Air Model 200 Series Illustrated Parts Catalog, P/N 101-590010-15 or subsequent revision, Chapters 24 and 34

Super King Air 350i/350C (Model B300/B300C) Illustrated Parts Catalog, P/N 130-590031-315K or subsequent revision, Chapters 24 and 34;

Super King Air 350 and 350C (Model B300/B300C) Illustrated Parts Catalog, P/N 130-590031-9Q or subsequent revision, Chapters 24 and 34;

Super King Air 200C/200CT/B200CT/B200C/B200CT Wiring Diagram Manual, P/N 101-590010-133E6 or subsequent revision, Chapters 24 and 34;

Super King Air B200/B200T/B200C/B200CT/B200GT/B200CGT Wiring Diagram Manual, P/N 101-590010-433G or subsequent revision, Chapters 24 and 34;

Super King Air 350/350C (Model B300/B300C) Electrical Wiring Diagram Manual, P/N 130-590031-7J or subsequent revision, Chapters 24 and 34;

Super King Air 350i (Model B300) Wiring Diagram Manual, P/N 130-590031-317G or subsequent revision, Chapters 24 and 34;

Super King Air 350/350C (Model B300/B300C) Avionics Wiring Diagram Manual, P/N 130-590031-197D or subsequent revision, Chapters 24 and 34.

ACCOMPLISHMENT INSTRUCTIONS

1. Install ADS-B Out Kits 101-3416 and 101-3417.

NOTE: The installer is responsible to modify any documentation to support RVSM operations. In some instances, a transponder may be listed as required equipment.

NOTE: As a prerequisite for ADS-B Out, the airplane is required to be fitted with a SBAS-capable GPS receiver and a transponder that is Mode 'S' and enhanced surveillance.

2. Make sure the flight crew receives the *Flight Crew Operations Summary*, which shows the operational changes that are a result of the accomplishment of this service bulletin.
3. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

NOTE: Textron Aviation recommends that compliance with all service documents is reported to Camp Systems International.

- Complete a record of compliance. (Maintenance Transaction Report, Log Book Entry, or other record of compliance.)
- Put a copy of the completed record of compliance in the airplane logbook.
- Send a copy of the completed record of compliance to: Camp Systems International Incorporated, 8201 East 34th Street North, Building 1100 Suite 1101 Wichita, KS 67226.

MATERIAL INFORMATION

NOTE: For airplanes that require a short out-of-service time, Textron Aviation Parts Distribution (TAPD) has established a rotatable pool of modified transponder units with ADS-B Out capability for exchange through Textron Aviation-Owned Service Centers. Order the applicable kits below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
101-3416-0001	1	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation, Single GPS		
101-3416-0003	1	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation, Dual GPS		
101-3417-0001	1	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation Provisions, Single GPS		
101-3417-0003	1	Kit - Transponder with Enhanced Surveillance and DO-260B (ADS-B Out) Installation Provisions, Dual GPS		

* Please contact Textron Aviation Parts Distribution for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International). Send email to: parts@txtav.com.

Based on availability and lead times, parts may require advanced scheduling.

FLIGHT CREW OPERATIONS SUMMARY

SB 34-4150 - Navigation - Introduction of Automatic Dependent Surveillance - Broadcast Out (ADS-B Out) Installation Kit

This summary provides additional information for the flight crew regarding operational changes as a result of accomplishment of this service bulletin. Please remove this summary from the service bulletin and give it to the flight crew. This summary is *informational only* and does not supersede any information in the FAA-approved airplane flight manual.

- Make sure that the following FAA Approved Airplane Flight Manual Supplement is inserted into the FAA-approved airplane flight manual:
 - Super King Air FAA Approved Flight Manual Supplement, P/N 101-590010-0565

TITLE

NAVIGATION - INTRODUCTION OF AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST OUT (ADS-B OUT) INSTALLATION KIT

TO:

Beech Aircraft Owner

REASON

This service bulletin is being issued to comply with operational requirements for ADS-B Out.

COMPLIANCE

OPTIONAL. This service bulletin can be accomplished at the discretion of the owner.

LABOR HOURS

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification	88.0

NOTE: Labor hours listed above do not include any estimate for prerequisite configuration requirements to prepare the airplane for ADS-B Out installation. Refer to Kits 101-3416 and 101-3417.

MATERIAL AVAILABILITY

KIT NUMBER	AVAILABILITY	COST
101-3416-0001	*	*
101-3417-0001	*	*
101-3416-0003	*	*
101-3417-0003	*	*

* Please contact a Textron Aviation-Owned Service Center for current cost and availability of parts listed in this service document.

Based on availability and lead times, parts may require advanced scheduling.

WARRANTY

No warranty coverage available.

NOTE: As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the "Customer Access" link at www.txtavsupport.com to register.

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