



KF Aerospace  
5655 Airport Way  
Kelowna, B.C.  
Canada V1V 1S1

AEROSPACE

Date: Nov 21/2016

Valid Date: Nov 21/2017

## B737 Classic ADS-B OUT Solution



KF Aerospace is offering a fully customizable ADS-B OUT solution for the B737 Classic series aircraft under Canadian STC SA16-86 with FAA and EASA approvals expected in second quarter of 2017.

### Package Overview:

The KF Aerospace ADS-B package includes Installation Data and Wiring Installation Kit. The required LRUs can be incorporated in the kit or ordered directly from the manufacturer depending on your preference.

### STC Data Package Includes:

- STC RTU Letter
- Engineering Order
- Installation Drawings
- ICA
- Flight Manual Supplement

KF Aerospace's STC uses previously installed GPS sensors but if you don't have a compliant GPS KF Aerospace can design and certify GPS sensor installations as part of our ADS-B STC. Contact KF Aerospace for recommendations and design options!

There are several ADS-B Out compliant solutions for the Boeing 737 Classic depending on your transponder and GPS preferences. KF Aerospace's ADS-B Out solution will upgrade your existing transponders to DO-260B compliant units and then integrate them with your preferred compliant GPS sensors.

 Transport Canada / Transports Canada Department of Transport	
<b>Supplemental Type Certificate</b>	
<b>This approval is issued to:</b> Kelowna Flightcraft Ltd. 5655 Airport Way Kelowna, BRITISH COLUMBIA V1V 1S1 CANADA	<b>Number:</b> SA16-86 <b>Issue No.:</b> 1 <b>Approval Date:</b> September 2, 2016 <b>Issue Date:</b> September 2, 2016
<b>Responsible Office:</b> Pacific <b>Aircraft/Engine Type or Model:</b> Boeing 737-300/-400/-500 <b>Canadian Type Certificate or Equivalent:</b> A-146 <b>Description of Type Design Change:</b> B737-300/-400/-500 ADS-B OUT	
<b>Installation/Operating Data</b> The modification is to be accomplished in accordance with Kelowna Flightcraft Ltd. Modification Data Summary K389-102-001-002 Rev NC dated August 30, 2016 or later TCCA approved revision.	
<b>Required Equipment and Limitations:</b> Operation must be in accordance with Kelowna Flightcraft Ltd. Flight Manual Supplement K389-102-001-014.1A, dated August 16, 2016 or later TCCA approved revision. The installed ADS-B OUT System has been shown to meet the requirements of EASA AMC 20-24. Installation of dual GPS system IAW STC SA11-92 -OR-C-LSA12-033/D is required. Installation of Elementary or Enhanced Surveillance IAW STC ST03458AT -OR- ST02162CH -OR- Boeing SB 737-34-1815 is required.	
<b>Basis of Certification:</b> As defined in Kelowna Flightcraft Report K389-102-001-003 Rev NC, TCCA approved Sept. 02, 2016.	
<b>Instructions for Continuing Airworthiness:</b> Maintenance must be in accordance with Kelowna Flightcraft Ltd. Maintenance Manual Supplement K389-102-001-012, dated August 26, 2016 or later TCCA accepted revision.	
<small>Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this modification and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.</small>	
	 Michael Chan For Minister of Transport
	



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## B737 Classic ADS-B OUT Solution

### Transponder Upgrade Options

#### Rockwell Collins TPR-901 (-205 Variant)

The Rockwell Collins TPR-901 -205 variant transponders are form-fit-function replacements for the TPR-720 and older versions of TPR-901 units. For aircraft with older TPR-901 units and depending on the part numbers installed, an exchange or Service Bulletin upgrade option may be available.

#### GPS Pairings

Esterline/CMC's CMA-5024 GPS system installed under STC SA11-92/ST03273NY. If you do not have a CMA-5024, KF Aerospace engineering can pair the TPR-901 with your preferred compliant GPS sensor.



#### Honeywell TRA-100B

The Honeywell TRA-100B is a new model that is a form-fit-function replacement for the TRA-67A.

#### GPS Pairings

KF Aerospace is actively seeking launch customers for new GPS pairings with the TRA-100B.

Be the first to install the TRA-100B configuration! KF Aerospace is working directly with Honeywell so that you can be first in line to receive the TRA-100B. First operator to order a TRA-100B configuration will receive a discount!



#### L3/ACSS XS-950 (P/N 7517800-XX400)

The L3/ACSS XS-950 series of transponders can be upgraded by an OEM Service Bulletin to meet the DO-260B requirements. Depending on the part number currently installed, an on-wing software upgrade may be all that's required to upgrade the transponder.

#### GPS Pairings

KF Aerospace is actively seeking launch customers for new GPS pairings with the XS-950.

First operator to order a XS-950 configuration will receive a discount!



### Pricing and Configuration Options

For detailed pricing and configuration options please contact Kyle Hardy at

Email: K.Hardy@kfaero.ca  
Phone: 250-491-5488