

Hawker Beechcraft Corporation

FAA APPROVED MODEL LIST FOR:

**Cabin Pressure Outflow and Safety Valves 103648-16, 103648-17,
103648-18, and 103648-19**

Honeywell Aerospace

STC Number SA10953SC

APPROVED BY _____

**S. Frances Cox, Manager
Special Certification Office, ASW-190
Federal Aviation Administration
Fort Worth, Texas 76137**

DATE OF APPROVAL _____

LOG OF REVISIONS

REV	PAGES	DESCRIPTION	FAA APPROVAL	DATE
IR	ALL	Initial Release	Gary A. Sharon	09/14/2009
1.0	ALL	Added Revision to footer. Added aircraft models B200, B200C, B200GT, B200CGT, B300, and B300C to document	S. Frances Cox	9/13/2010
2.0	ALL	Company Name Change		10/5/2010

TABLE OF CONTENTS

TITLE	PAGE
LOG OF REVISIONS	i
TABLE OF CONTENTS	ii
SECTION I – Introduction:.....	1
SECTION II – Certification Basis:.....	2
SECTION III – Approved Model List:.....	7

SECTION I – Introduction:

This document is the FAA Approved Model List (AML) for STC No. ST10953SC for installing the Honeywell 103648-16, 103648-17, 103648-18, and 103648-19 Cabin Pressure Outflow and Safety Valves into eligible aircraft.

Revisions to the AML must be coordinated between the STC holder and the responsible ACO, and require FAA approval.

IMPORTANT NOTES:

This STC is only applicable to the 14 CFR, part 23 Class III, as defined in Advisory Circular AC 23.1309-1C, which are listed in this AML. Installations in 14 CFR, Part 23 Class I, II, and IV, Part 25, Part 27, and Part 29 aircraft are not authorized under this STC.

This STC assumes the following equipment is already on each airplane eligible for the proposed modification. The following equipment must be properly linked to meet the intended function for the system, as certified under this AML approval.

NONE

SECTION II – Certification Basis:

The certification basis for each model qualified for this modification is detailed below.

Aircraft Make	Aircraft Model	Type Certificate Data Sheet (TCDS)	Certification Basis
Hawker Beechcraft Corporation	C90A	3A20, Rev 67	14 CFR Part 23 Amendments 23-1 through 23-50 and CAR Part 3, amended to May 15, 1956 as specified in TCDS
Hawker Beechcraft Corporation	C90GT	3A20, Rev 67	14 CFR Part 23 Amendments 23-1 through 23-50 and CAR Part 3, amended to May 15, 1956 as specified in TCDS
Hawker Beechcraft Corporation	C90GTi	3A20, Rev 67	14 CFR Part 23 Amendments 23-1 through 23-50 and CAR Part 3, amended to May 15, 1956 as specified in TCDS
Hawker Beechcraft Corporation	B200; B200C; B200GT; B200CGT	A24CE, Rev 99	FAR Part 23, effective February 1, 1965, as amended by 23-1 through 23-9, Amendment 23-11, FAR Paragraphs 23.175 and associated FARs 23.143(a), 23.145(d), 23.153, 23.161(c)(3), and 23.173(a) as amended by Amendment 23-14; FAR 23.951(c) and FAR 23.997(d) as amended by Amendment 23-15 (A200CT and B200 series, only); FAR 23.1545(a) as amended by Amendment 23-23 and FAR 23.1325(e) as amended by Amendment 23-20 (B200 Series only); FAR 23.1305(n) as amended by Amendment 23-26; FAA Special Conditions 23-47-CE-5 issued October 30, 1972, Amendment 1 dated December 18, 1973, and Amendment 2 dated January 12, 1979; FAR Paragraphs 25.929 and 25.1419 of FAR Part 25 as amended to December 31, 1972, and FAR 25.831(d) through Amendment 25-41 (For all Model 200 and B200 series aircraft approved for 35,000 feet); SFAR 27 through Amendment 27-4; and FAR Part 36 through Amendment 36-10. For B200 through Serial Number BB-1438 and B200C through Serial Number BL-138 FAR Part 36 through Amendment 36-10. For B200 Serial Numbers BB-1439, BB-1444 and after, B200C Serial Numbers

			<p>BL-139 and after, A200CT Serial Numbers FE-25 and after, FAR Part 36 through Amendment 36-20. Compliance with ice protection has been demonstrated in accordance with FAR 25.1419 when ice protection equipment is installed in accordance with the airplane equipment list.</p> <p>Effective April 20, 1993, Electronic Flight Instrument Systems shall meet the requirements of FAR 23.1322 as amended by Amendment 23-17; 23.1301 and 23.1305 as amended by Amendment 23.20; 23.1309, 23.1311, and 23.1321 as amended through Amendment 23-41 and Special Condition 23-ACE-68.</p> <p>Effective January 20, 1994, FAR 23.1457 as amended by Amendment 23-35..</p> <p>In addition, FAR 135, Appendix A, effective December 1, 1978 (B200 High Density Configuration; See NOTE 11)</p> <p>Equivalent Safety Findings:</p> <p>FAR 23.621 (BB-2 through BB-1042 only); 23.997(d) (All models except A200CT and B200 series); FAR 23.1443 through Amendment 23-9 - 200 (BB-38, BB-39, BB-42, BB-44, BB-54 and after), 200C, 200CT, 200T, plus any earlier Model 200 modified by Beechcraft kits 101-5007 and 101-5008 in compliance with Beech Service Instruction No. 0776-341. Model UC-12F (BU-1 through BU-12). Not applicable to B200 Series.</p> <p>Application for Type Certificate dated January 11, 1971. Type Certificate No. A24CE issued December 14, 1973, obtained by manufacturer under delegation option procedures.</p> <p>Additional requirements for Collins Proline 21 Avionics Installation; Special Conditions 23-131-SC, and Equivalent Level of Safety ACE-02-16 for FAR 23.1305c(2), 23.1305(a)(2)(3), and 23.1549(a)(b)(c)(d), for direct reading digital only displays for oil pressure, oil temperature and fuel flow; FAR</p>
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			<p>23.1547(e) as amended by Amendment 23-20; FAR 23.603(b) as amended by Amendment 23-23; FAR 23.1309(a), 23.1323(b), 23.1431(b) as amended by Amendment 23-49 as specified in Type Certificate Data Sheet A24CE, Revision 99.</p> <p>For the Models B200 and B200C:</p> <p>14 CFR Part 23.1529 as amended by Amendment 23-26. Effective Serial Numbers for the B200, BB-1978, BB-1988 and after and for the B200C, BL-152 and after.</p> <p>Additional requirements for the Collins IFIS Installation: 23.771(a)(1) as amended by Amendment 23-14; 23.1501 and 23.1541(a)(b) as amended by Amendment 23-21; 23.603, 23.605(a) as amended by Amendment 23-23; 23.1322, 23.1357(c)(d) as amended by Amendment 23-43; 23.305, 23.321, 23.613 as amended by Amendment 23-45; 23.301, 23.337, 23.571, 23.575, 23.607, 23.611 as amended by Amendment 23-48; 23.1309(b)(c)(e), 23.1311(a)(2)(3), 23.1321(e), 23.1351(e), 23.1351(a)(2)(i), 23.1359(c), 23.1365(a)(d)(e), 23.1431(a) as amended by Amendment 23-49; 23.1555(a), 23.1581(a), 23.1583(h), 23.1585(j) as amended by Amendment 23-50; and 23.777(a)(b) as amended by Amendment 23-51. Effective at Serial Numbers for the B200, BB-1978 and BB-1988 and after and for the B200C, BL-152 and after as specified in Type Certificate Data Sheet A24CE, Revision 99.</p> <p>23.1309(c)(d) as amended by Amendment 23-49 (Electrical Only)</p> <p>Effective at Serial Numbers for the B200, BB-2001 and after and for the B200C, BL-152 and after.</p> <p>For the Models B200GT and B200CGT:</p> <p>Additional requirements for the Models B200GT (S/N BY-1 and after) and B200CGT, (S/N BZ-1 and after): 14 CFR</p>
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Hawker Beechcraft Corporation

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Document No. HBSAPD90008

FAA Approved Model List (AML)

Honeywell Cabin Pressure Outflow and Safety Valves

STC # SA10953SC

			<p>Part 23-1529 as amended by Amendment 23-26; 23.939 as amended by Amendment 23-42; 23.1351(a)(2)(i) as amended by Amendment 23-49. 14 CFR Part 34 through Amendment 34-3; 14 CFR Part 36 through Amendment 36-20.</p> <p>23.1309(c)(d) as amended by Amendment 23-49 (Electrical Only)</p> <p>Effective at Serial Numbers for the B200GT, BY-32, BY-36 and after and for the B200CGT, BZ-1 and after</p>
<p>Hawker Beechcraft Corporation</p>	<p>B300; B300C</p>	<p>A24CE, Rev 99</p>	<p>FAR Part 23 effective February 1, 1965, as amended by Amendments 23-1 through 23-34; FAR Part 36 effective December 1, 1969, as amended by Amendment 36-1 through 36-15; SFAR 27 effective February 1, 1974, as amended by Amendments 27-1 through 27-6 and Exemption No. 5077 from compliance with Section 23.207(c). Special Conditions 23-ACE-48A effective August 13, 1990, apply to Electronic Flight Instrument System (EFIS) equipped airplanes. FAR 23 Sections 23.201, 23.203 and 23.205 through amendment 23-45 (S/N FN-1 and up only).as specified in Type Certificate Data Sheet A24CE, Revision 99.</p> <p>Effective January 20, 1994, FAR 23.1457 as amended by Amendment 23.35.</p> <p>Exemption 5599 from compliance with 23.53(c)(1), for use of ground minimum control speed (V_{mcg}) for determination of takeoff decision speed (V₁), (Serials FL-111, FM-9, FN-2 and after, or prior airplanes modified by Beech Kit No. 130-3004).</p> <p>Compliance with ice protection has been demonstrated in accordance with FAR 23.1419 when ice protection equipment is installed in accordance with the Equipment List.</p> <p>Equivalent Safety Findings:</p> <p>FAR 23.781(b) for shape of the propeller control knob; FAR 23.1305(g) for use of</p>

			<p>fuel low pressure warning annunciators in lieu of the fuel pressure indicators; FAR 23.1321(d) for the basic "T" instrument panel arrangement. Does Not Apply to Proline 21 Equipped Aircraft.</p> <p>Additional requirements for Collins Proline 21 Avionics Installation; Special Conditions 23-131-SC, and Equivalent Level of Safety ACE-02-17 for FAR 23.1305(c)(2), 23.1305 (a)(2)(3), and 23.1549(a)(b)(c)(d), for direct reading only displays for oil pressure, oil temperature, and fuel flow; FAR 23.301(a) as amended by Amendment 23-42; FAR 23.1322(a)(b)(c)(d)(e), 23.1331(a)(b)(c), 23.1357(a)(b)(c)(d) as amended by Amendment 23-43; FAR23.305(a)(b), 23.397(a)(b), 23.613(a)(b)(c)(d)(e), 23.672(a)(b)(c), 23.1525, 23.1549(a)(b)(c)(d) as amended by Amendment 23-45; FAR 23.561(a)(b), 23.607(a)(b)(c), 23.611 as amended by Amendment 23-48; FAR 23.677(a)(b)(c)(d), 23.867(a)(b), 23.1303 (a)(b)(c)(d)(e)(f), 23.1309(a)(b)(c)(d)(e), 23.1311(a)(b), 23.1321(a)(b)(c)(d)(e), 23.1323(a)(b)(c)(e), 23.1329(a)(b)(d)(e)(f)(g)(h), 23.1351(a)(c), 23.1353(h), 23.1359(c), 23.1365(d)(e), 23.1431(a)(b)(d)(e) as amended by Amendment 23-49; FAR 23.1325(a)(b), 23.1545(a)(b)(c), 23.1583(h), 23.1585(a) as amended by Amendment 23-50; FAR 23.777(a)(b) an amended by Amendment 23-51; 23.1305(a)(c)(e) as amended by Amendment 23-52.</p> <p>Additional requirements for the Collins IFIS Installation: 23.321 as amended by Amendment 23-45; 23.337, 23.574, 23,575 as amended by Amendment 23-48; 23.1365(a) as amended by Amendment 23-49; 23.1555(a), 23.1581(a), 23.1583(j) as amended by Amendment 23-50; Effective at Serial Numbers for the B300, FL-538 and FL-544 and after and for the B300C, FM-15 and after</p>
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SECTION III – Approved Model List:

Aircraft Make	Aircraft Model	Type Certificate Data Sheet (TCDS)	Required Approved Data and Added Model Specific Limitations	AML Amendment Date
Hawker Beechcraft Corporation	C90A	3A20, Rev 67	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600914 Equipment Configuration: Honeywell 103648-16 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	C90GT	3A20, Rev 67	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600914 Equipment Configuration: Honeywell 103648-16 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	C90GTi	3A20, Rev 67	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600914 Equipment Configuration: Honeywell 103648-16 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	B200	A24CE, Rev 99	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600934	

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Document No. HBSAPD90008

FAA Approved Model List (AML)

Honeywell Cabin Pressure Outflow and Safety Valves
STC # SA10953SC

			Equipment Configuration: Honeywell 103648-17 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	B200C	A24CE, Rev 99	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600934 Equipment Configuration: Honeywell 103648-17 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	B200GT	A24CE, Rev 99	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600934 Equipment Configuration: Honeywell 103648-17 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	B200CGT	A24CE, Rev 99	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600934 Equipment Configuration: Honeywell 103648-17 Cabin Pressure Outflow and Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft	B300	A24CE, Rev 99	Master Document List: RAS230600900 Instructions for Continued	

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Honeywell Cabin Pressure Outflow and Safety Valves

STC # SA10953SC

Corporation			Airworthiness: RAS230600934 Equipment Configuration: Honeywell 103648-18 Cabin Pressure Outflow and 103648-19 Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	
Hawker Beechcraft Corporation	B300C	A24CE, Rev 99	Master Document List: RAS230600900 Instructions for Continued Airworthiness: RAS230600914 Equipment Configuration: Honeywell 103648-18 Cabin Pressure Outflow and 103648-19 Safety Valves Additional Limitations: There are no airworthiness limitations on the replacement Outflow Valve installed by this STC Additional Documents: None	