



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Vandalia Mfg. Inspection District Office
3800 Wright Drive
Vandalia, Ohio 45377

September 29, 2003

Mr. Tom Replinger
OTTO Controls
2 East Main Street
Carpentersville, Illinois 60110

Dear Mr. Replinger:

The statements in your letter dated September 23, 2003, certifying that OTTO Controls, Division of OTTO Engineering, has established a fabrication inspection system that meets the requirements of FAR 21.303(h) for the parts listed is acceptable.

Enclosed is Production Approval Listing, Supplement No. 05, dated September 29, 2003, which grants approval of the parts listed thereon, under the same conditions and limitations in the approval letter dated August 13, 1997.

Design changes to these parts should be submitted to the FAA at regular intervals. If there are minor changes (reference FAR Parts 21.93, 21.95, and 21.97) to the design data, they should be submitted every six months and accompanied by one copy of the top assembly drawings, explanations of the minor changes, and the change in aircraft eligibility, if affected. Major changes should be handled in the same manner but should be submitted and FAA approved before production.

Please file this Supplement with your original FAA-PMA letter and other supplements.

Sincerely,

A handwritten signature in cursive script that reads "David W. Schaer".

David W. Schaer
Manager, Vandalia MIDO

Enclosure

PMA NO. PQ2624CE-D
PRODUCTION APPROVAL LISTING – SUPPLEMENT NO. 05
DATED: SEPTEMBER 29, 2003

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL


OTTO CONTROLS
Division of OTTO Engineering
2 East Main Street
Carpentersville, Illinois 60110
(847) 428-7171

Page 1 of 1

Part Name	Part Number	Approved Replacement For	FAA Approval Basis and Approved Design Data	Installation Eligibility: MAKE	Installation Eligibility: MODEL
Switch, Slide	SL-2211M2C8	Mason P/N 385-4331	Test and Computations per 14 CFR 21.303, DWG No: SL-2211 _____ Rev: D, Date: Nov. 11, 2002 *.	Canadair	CL600-2B19 Regional Jet Series 100
Switch, Slide	SL-2211M1D2	Mason P/N 385-4321	Test and Computations per 14 CFR 21.303, DWG No: SL-2211 _____ Rev: D, Date: Nov 11, 2002 *.	Canadair	CL600-2B19 Regional Jet Series 100

-----End of Listing-----

*Note: * Denotes "Or later FAA Approved Revision."

FAA Approved: 
David W. Schaer
Manager, Vandalia MIDO



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Manufacturing Inspection District Office
3800 Wright Drive
Vandalia, OH 45377

April 20, 2005

Mr. Leonard Spector
Otto Controls
Division of Otto Engineering
2 East Main Street
Carpentersville, Illinois 60110

Dear Mr. Spector:

The statement in your letter dated April 07, 2005, certifying that Otto Controls has established a fabrication inspection system that meets the requirements of FAR 21.303(h) for the parts listed is acceptable.

Enclosed is Production Approval Listing, Supplement No. 8, dated April 20, 2005, which grants approval of the parts listed thereon, under the same conditions and limitations in the original approval letter dated August 13, 1997.

Design changes to these parts should be submitted to the FAA at regular intervals. If there are minor changes (reference FAR Parts 21.93, 21.95, and 21.97) to the design data, they should be submitted every six months (unless provided a written alternative by the ACO) and accompanied by one copy of the top assembly drawings, explanations of the minor changes, and the change in aircraft eligibility, if affected. Major changes should be handled in the same manner but should be submitted and FAA approved before production.

Please file this Supplement with your original FAA-PMA letter and other supplements.

Sincerely,

WJD
Jane W. Dorsey
Manager, Vandalia MIDO

Enclosure

FEDERAL AVATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Otto Controls
2 East Main Street
Carpentersville, Illinois 60110
(847) 428-7171

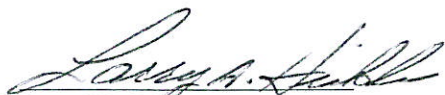
PMA No. PQ2624CE
SUPPLEMENT NO. 08
DATE: April 20, 2005

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For</u>	<u>FAA Approval Basis and Approved Design Data</u>	<u>Installation Eligibility MAKE</u>	<u>Installation Eligibility MODEL</u>
Switch, Slide	SL-2221M2C8	Mason P/N 385-4348	Test Reports and Computations Per 14 CFR part 21 § 21.303(c) DWG. No: SL-2221 Rev: C Date: 30 Sept. 04*	Bombardier Aerospace, Inc. (Canadair)	CL-600-2B19 (Regional Jet Series 100 & 400)

End of Listing

NOTE 1: * Denotes "Or later FAA Approved Revision."

NOTE 2: The procedures that have been accepted by the type certificate or TSOA holder and their cognizant FAA Aircraft Certification Office, for minor changes to original parts used on type certificated products, are also acceptable for incorporating the same minor changes on identical FAA-PMA replacement parts. The FAA-PMA holder shall be able to show traceability relating to the TC, STC, or TSOA holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or Business relationship, all subsequent minor design changes to the PMA parts must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 § 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.


Jane W. Dorsey
Manager, Vandalia MIDO



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Manufacturing Inspection District Office
3800 Wright Drive
Vandalia, OH 45377

September 21, 2004

Mr. Leonard Spector
Otto Controls
Division of Otto Engineering
2 East Main Street
Carpentersville, IL 60110

Dear Mr. Spector:

The statement in your letters dated September 7, 2004, certifying that Otto Controls has established a fabrication inspection system that meets the requirements of FAR 21.303(h) for the parts listed is acceptable.

Enclosed is Production Approval Listing, Supplement No. 7, dated September 21, 2004, which grants approval of the parts listed thereon, under the same conditions and limitations in the original approval letter dated August 13, 1997.

Design changes to these parts should be submitted to the FAA at regular intervals. If there are minor changes (reference FAR Parts 21.93, 21.95, and 21.97) to the design data, they should be submitted every six months (unless provided a written alternative by the ACO) and accompanied by one copy of the top assembly drawings, explanations of the minor changes, and the change in aircraft eligibility, if affected. Major changes should be handled in the same manner but should be submitted and FAA approved before production.

Please file this Supplement with your original FAA-PMA letter and other supplements.

Sincerely,

Matthew E. Tomscheck
Manager, Vandalia MIDO

Enclosure

FOR

PMA NO. PQ2624CE
 PRODUCTION APPROVAL LISTING – SUPPLEMENT NO. 07
 DATED: September 21, 2004

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL


Otto Controls
Division of Otto Engineering
2 East Main Street
Carpentersville, IL 60110
(847) 428-7171

Page 1 of 1

Part Name	Part Number	Approved Replacement For	FAA Approval Basis and Approval Design Data	Installation Eligibility: MAKE	Installation Eligibility: MODEL
Switch, Slide	SL-2221M2C8	Mason P/N 385-4348	Test and computations per 14CFR §21.303(c). Otto Controls Dwg. No. SL-2221_____, Rev. B, Dtd 02-11-04. *	Bombardier Canadair	CL-600-2C10 (Regional Jet Series 700 & 701) CL-600-2D24 (Regional Jet Series 900)
Switch, Slide	SL-2211M1D2	Mason P/N 385-4321	Test and computations per 14CFR §21.303(c). Otto Controls Dwg. No. SL-2211_____, Rev. H, Dtd 02-11-04. *	Bombardier Canadair	CL-600-2C10 (Regional Jet Series 700 & 701) CL-600-2D24 (Regional Jet Series 900)
Switch, Slide	SL-2211M2C8	Mason P/N 385-4331	Test and computations per 14CFR §21.303(c). Otto Controls Dwg. No. SL-2211_____, Rev. H, Dtd 02-11-04. *	Bombardier Canadair	CL-600-2C10 (Regional Jet Series 700 & 701) CL-600-2D24 (Regional Jet Series 900)

-----End Of Listing-----

NOTE: * Denotes "Or later FAA Approved Revision."

FAA Approved: 
 FOE
Matthew E. Tomsheck
Manager, Vandalia MIDO



U.S. Department
of Transportation
**Federal Aviation
Administration**

Vandalia Mfg. Inspection
District Office (MIDO)
3800 Wright Drive
Vandalia, OH 45377
Phone: 937-898-3991
FAX 937-898-8717

August 8, 2006

Mr. Leonard Spector
OTTO CONTROLS
Division of OTTO Engineering
2 East Main St.
Carpentersville, IL 60110

Dear Mr. Spector:

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Per 14 CFR part 21 subpart K, we found design data submitted with your letter to the Chicago Aircraft Certification Office (ACO) dated June 23, 2006 to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on Test and Computations. Also, we determined that your company set up the fabrication inspection system at 2 East Main St., Carpentersville, IL as required by 14 CFR § 21.303(h). Therefore, we grant parts manufacturing approval (PMA), which authorizes you to produce the replacements parts in the enclosed Supplement No. 9.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval dated August 13, 1997, also apply to the enclosed PMA Listing-Supplement No. 9. Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

for Jane W. Dorsey
Manager, Vandalia MIDO

Enclosure

cc: AFS-640

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

OTTO CONTROLS
 Division of OTTO Engineering
 2 East Main Street
 Carpentersville, Illinois 60110
 (847) 428-7171

PMA NO. PQ2624CE

SUPPLEMENT NO. 9

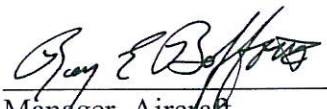
DATE August 8, 2006

Part Name	Part Number	Approved Replacement For	FAA Approval Basis and Approved Design Data	Installation Eligibility: MAKE	Installation Eligibility: MODEL
Switch, Slide	SL-2211M1D2	Mason P/N 385-4321	Tests & Computations per 14 CFR 21.303, <u>DWG No : SL-2211_</u> ____ <u>Rev : G,</u> <u>Date: 17 OCT 03 *</u>	Embraer Brasilia	EMB120

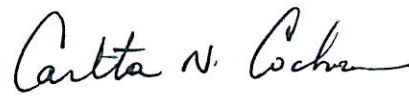
* Denotes "Or later FAA Approved Revision."

-----End of Listing-----

NOTE: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not, provide supplementary ICA per 14 CFR § 21.50.



 for Manager, Aircraft
 Certification Office


 for Jane W. Dorsey

 Manager, Manufacturing
 Inspection District Office