



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

February 09, 2021

ALOFT AeroArchitects

Dear ALOFT AeroArchitects:

The Aircraft Evaluation Group (AEG) has reviewed your request for Supplemental Type Certificate (STC) relief that may be included in an operator's FAA approved MEL. The AEG finds your relief submission allowable as documented in the relief section of this letter. This relief is valid when an operator installs the listed STC on an aircraft that is listed in the Aircraft Model List (AML) below. No other application of this relief is allowed. The STC holder must contact the AEG when the STC is amended, revised or revoked.

Operators may use this relief letter to incorporate the relief listed below into their Minimum Equipment List (MEL) upon publication of this letter and in accordance with the MEL approval process in FAA Order 8900.1. The relief granted remains valid indefinitely with possession of this letter unless the relief is specifically revoked or revised by the Administrator.

STC Applicant	ALOFT AeroArchitects
STC Number	ST04055NY
STC Description	Installation of Aviation Clean Air (ACA) clean air ionizer units into the aircraft cabin Environmental Control System air ducting system.
Aircraft Model List	B737-700 B737-700C B737-800 B737-900 B737-900ER

Sincerely,

Jason Crain
FOEB Chair,
Aircraft Evaluation Group

Approved STC Relief

System	Item	Category	Installed	Required	Remarks-Exceptions
21	Aviation Clean Air (ACA) Ionizer Unit Control Panel	D	1	0	(M) May be inoperative provided all ACA Ionizer Units are considered inoperative. Refer to 21-XX-XX 2) - Aviation Clean Air (ACA) Ionizer Unit
21	Aviation Clean Air (ACA) Ionizer Unit				
	1)	D	4	1	(M) Up to three ACA Ionizer Units may be inoperative.
	2)	D	4	0	(M) All ACA Ionizer Units May be inoperative.
	(M) 21-XX-XX Aviation Clean Air (ACA) Ionizer Unit Control Panel:				<ol style="list-style-type: none"> 1. Turn the system OFF by lifting the red guarded switch and move the toggle switch to the OFF position per the ALOFT Instructions for Continued Airworthiness (TM-8217-ICAW). 2. Pull and collar ACA circuit breaker. 3. Install an "INOP" placard on the ACA Ionizer Unit Control Panel
	(M) 21-XX-XX 1) Aviation Clean Air (ACA) Ionizer Unit:				<ol style="list-style-type: none"> 1. Perform an Environmental Control System ACA Ionizer Unit - Operational Check per Task 21-20-03-710-801. 2. Disconnect, secure and stow the mating connector(s) of the inoperative unit(s). 3. Install an "INOP" placard adjacent to the indicator(s) associated with the inoperative unit(s) on the ACA Ionizer Unit Control Panel.

(M) 21-XX-XX 2) Aviation
Clean Air (ACA) Ionizer Unit:

1. Perform an Environmental Control System ACA Ionizer Unit - Operational Check per Task 21-20-03-710-801.
2. Disconnect, secure and stow the mating connector of ALL units.
3. Turn the system OFF by lifting the red guarded switch and move the toggle switch to the OFF position per the ALOFT Instructions for Continued Airworthiness (TM-8217-ICAW).
4. Pull and collar ACA circuit breaker.
5. Install an "INOP" placard adjacent to ALL indicators on the Aviation Clean ACA Ionizer Unit Control Panel.