



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

September 25, 2020

LB Aircraft Engineering, Inc.

Dear LB Aircraft Engineering, Inc.:

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	LB Aircraft Engineering, Inc.
STC Number	ST04468AT
STC Description	EFI-890R will replace the ADI, HSI, Radar Indicator, Altimeter, IVSI, RMI, Airspeed, vertical and directional gyros with Primary Flight Display (PFD) and Navigation Display (ND) large Multi-Format displays and dual AHRS
Aircraft Model List	MD-80/88

Sincerely,

Dusan Vukotic  
FOEB Chair,  
Aircraft Evaluation Group

## Approved STC Relief

System	Item	Category	Installed	Required	Remarks-Exceptions
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL a) RANGE/OPTION (Rotary Knob)	C	2	1	May be inoperative provided associated Navigation Instrument Radar Display is not required for operations being conducted.
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL a) RANGE/OPTION (Push Button)	C	2	1	May be inoperative provided associated Menu options are not required for operations being conducted (No MENU option will be able to open)
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL b) NAV/BRG SOURCE (Rotary knob)	C	2	1	May be inoperative provided associated NAV/BRG SOURCE options are not required for operations being conducted. (No NAV Source selection available).
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL b) NAV/BRG SOURCE (Push Button)	C	2	1	May be inoperative provided associated Menu options are not required for operations being conducted. (No NAV Source selection available).
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL c) DISPLAY REVERT Button	C	2	1	Right side may be inoperative provided: a) Left side Display Revert must be operative
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL d) TFC	C	2	1	(O) May be inoperative on non-flying pilot side
34	41. Electronic Flight Instrument System EFIS EFI-89R 9 STC 7) PFD CONTROL PANEL e) SCR/XFER	C	2	1	May be inoperative on non-flying pilot side.
34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL f) TERR	C	2	1	May be inoperative on non-flying pilot side.

34	41. Electronic Flight Instrument System EFIS EFI-890R 7) PFD CONTROL PANEL g) WX	C	2	1	May be inoperative on a non-pilot flying side.
34	41. Electronic Flight Instrument System EFIS EFI-890R 8) ND CONTROL PANEL a) RANGE/OPTION (Rotary knob)	C	2	1	(O) May be inoperative provided associated Navigation Instrument Radar Display is not required for operations being conducted.
34	41. Electronic Flight Instrument System EFIS EFI-890R 8) ND CONTROL PANEL a) RANGE/OPTION (Push Button)	C	2	1	May be inoperative provided provided associated Menu options are not required for operations being conducted (No MENU option will be able to open).
34	41. Electronic Flight Instrument System EFIS EFI-890R 8) ND CONTROL PANEL b) TFC	C	2	1	(O) May be inoperative on non-flying pilot side.
34	41. Electronic Flight Instrument System EFIS EFI-890R 8) ND CONTROL PANEL c) TERR	C	2	1	(O) May be inoperative on non-flying pilot side.
34	41. electronic Flight Instrument System EFIS EFI-890R 8) ND CONTROL PANEL d) WX	C	2	1	(O) May be inoperative on non-flying pilot side.
34	41. Electronic Flight System EFIS EFI-890R 8) FIRST OFFICERS NAVIGATION DISPLAY	A	1	0	(O) May be inoperative provided. a) Composite Mode is displayed on the First Officers Primary Flight Display (PFD), b) Both Flight Directors must be operating in the normal mode, c) Captain makes all takeoff, approaches, and landings, d) Repairs are made withing three flight days.