

Service Information Letter FMC-XX00-18-1 REVISION NO. 1

INSTRUCTIONS FOR AIRCRAFT FLIGHT MANUAL LIMITATIONS FOR ALTITUDE EDITS ON SPECIFIC PRO LINE 4 AND PRO LINE 21 FLIGHT MANAGEMENT SYSTEMS

TRANSMITTAL INFORMATION SUMMARY

Summary

This is revision 1 of Service Information Letter (SIL) FMC-XX00-18-1 for the FMC-3000, FMC-4200, FMC-5000, and FMC-6000 Flight Management Computer.

This revision updates Steps B.(1), C.(2)(a), and C.(2)(b)3.

Black bars in the margins indicate the changes

The format and content of this service bulletin are updated to current publication standards.

Replace the initial release with this revision.

Service Information Letter Revision History

REVISION	DATE OF RELEASE
Initial Release	June 27, 2018
Revision 1	February 5, 2019

Notice

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A. Effectivity

The information in this SIL is applicable to the FMC-3000 Flight Management Computer listed in the following table.

UNIT	NOMENCLATURE	ROCKWELL COLLINS PART NUMBER
FMC-3000	Flight Management Computer	822-0883-031
FMC-3000	Flight Management Computer	822-0883-036
FMC-3000	Flight Management Computer	822-0883-038
FMC-3000	Flight Management Computer	822-0883-040
FMC-3000	Flight Management Computer	822-0883-041
FMC-3000	Flight Management Computer	822-0883-053
FMC-3000	Flight Management Computer	822-0883-054
FMC-3000	Flight Management Computer	822-0883-056
FMC-3000	Flight Management Computer	822-0883-057
FMC-3000	Flight Management Computer	822-0883-058
FMC-3000	Flight Management Computer	822-0883-059
FMC-3000	Flight Management Computer	822-0883-060
FMC-3000	Flight Management Computer	822-0883-081
FMC-3000	Flight Management Computer	822-0883-082
FMC-3000	Flight Management Computer	822-0883-083
FMC-3000	Flight Management Computer	822-0883-084
FMC-4200	Flight Management Computer	822-0783-022
FMC-4200	Flight Management Computer	822-0783-025
FMC-4200	Flight Management Computer	822-0783-028
FMC-4200	Flight Management Computer	822-0783-032
FMC-4200	Flight Management Computer	822-0783-036
FMC-4200	Flight Management Computer	822-0783-039
FMC-4200	Flight Management Computer	822-0783-040
FMC-5000	Flight Management Computer	822-0891-021
FMC-5000	Flight Management Computer	822-0891-027
FMC-5000	Flight Management Computer	822-0891-028
FMC-5000	Flight Management Computer	822-0891-034
FMC-5000	Flight Management Computer	822-0891-028
FMC-5000	Flight Management Computer	822-0891-028

UNIT	NOMENCLATURE	ROCKWELL COLLINS PART NUMBER
FMC-5000	Flight Management Computer	822-0891-040
FMC-6000	Flight Management Computer	822-0868-074
FMC-6000	Flight Management Computer	822-0868-075
FMC-6000	Flight Management Computer	822-0868-082
FMC-6000	Flight Management Computer	822-0868-083
FMC-6000	Flight Management Computer	822-0868-084
FMC-6000	Flight Management Computer	822-0868-085
FMC-6000	Flight Management Computer	822-0868-087
FMC-6000	Flight Management Computer	822-0868-089
FMC-6000	Flight Management Computer	822-0868-090
FMC-6000	Flight Management Computer	822-0868-109
FMC-6000	Flight Management Computer	822-0868-110
FMC-6000	Flight Management Computer	822-0868-111
FMC-6000	Flight Management Computer	822-0868-112
FMC-6000	Flight Management Computer	822-0868-113
FMC-6000	Flight Management Computer	822-0868-114
FMC-6000	Flight Management Computer	822-0868-116
FMC-6000	Flight Management Computer	822-0868-117
FMC-6000	Flight Management Computer	822-0868-122
FMC-6000	Flight Management Computer	822-0868-123
FMC-6000	Flight Management Computer	822-0868-127
FMC-6000	Flight Management Computer	822-0868-130
FMC-6000	Flight Management Computer	822-0868-132
FMC-6000	Flight Management Computer	822-0868-133
FMC-6000	Flight Management Computer	822-0868-134
FMC-6000	Flight Management Computer	822-0868-139

B. Purpose

- (1) Aircraft configured with specific Rockwell Collins Pro Line 4™ and Pro Line 21™ Flight Management Computers may not edit altitudes using the Flight Management System on Departure Procedures, and Missed Approach Procedures.
- (2) Refer to SIL CSU-XX00-18-1 for the means for disabling Automatic Temperature Compensation on the aircraft.

- (3) Refer to Operational Service Bulletin 0166-17 for detailed background information.

C. Aircraft Flight Manual Recommendation

- (1) In order to comply with the actions noted in Operational Service Bulletin 0166-17, the following text is provided for use within Aircraft Flight Manuals. Any aircraft which have previously included the optional Automatic Temperature Compensation feature, should also apply SIL CSU-XX00-18-1.
- (2) The following limitations apply at any time on ground or in flight if FMS software version FMS X.X (Software Configuration Index Drawing (SCID) XXX-XXXX-XXX) is installed:
- (a) Editing altitudes on FMS CONTROL Display Unit (CDU) ACT/MOD/SEC LEGS on departure procedures and missed approach procedures is prohibited at all times for all ground and flight operations.
- (b) If temperature compensation is required:
1. Any use of automatic FMS Temperature Compensation Feature is prohibited for all ground and flight operations. A separate action is required to disable the FMS Temperature Compensation Feature in the installation.
 2. LNAV/VNAV operations must be accomplished using procedures for uncompensated Baro-VNAV systems. If reported airport temperature is outside published limits for the approach, Baro-VNAV operation is permitted only to the LNAV or circling line of minima, as applicable.
 3. Temperature compensation may be accomplished manually without using the FMS by entering temperature-corrected altitudes on the altitude preselect on the Flight Guidance Panel and/or using basic altimetry techniques.
- (c) The barometric altimeter(s) shall be referenced to assure compliance with altitude restrictions for all flight operations, including departure, any approach and missed approach segment, stepdown fix and "climb to" restrictions.

NOTE: Step down fixes may not be available in the navigation database for certain approaches and approach segments.

D. References

- (1) Operational Service Bulletin (OPSB) 0166-17, 523-0824828, The FMS may turn in the wrong direction after sequencing a "Climb to" altitude that was manually edited or Temperature Compensated
- (2) Service Information Letter CSU-XX00-18-1 titled, "Instructions for Disabling of Automatic Temperature Compensation Option in Pro Line 4 and Pro Line 21 Systems", CPN 523-0825521

- (3) Service Information Letter FMC-3000/4200/5000/6000-17-1 titled, "Flight Management System (FMS) Version Matrix", CPN 523-0824752