

NUMBER: SB 500-04-001, Rev C

Optional

MODEL: ECLIPSE EA500

SUBJECT: Configuration Definition for Aircraft to be Exported to and Registered in
EASA Member States

1. PLANNING INFORMATION

A. Effectivity

Model EA500 aircraft 000001 to 000262, and 000266 to 000267 to be registered in countries which accept the Type Certificate validated by the European Aviation Safety Agency (EASA).

B. Reason

Definition of configuration requirements to import and register aircraft in countries which accept TC validated by EASA.

Revision C of this Service Bulletin adds additional aircraft configurations per EASA Type Certified Aircraft Configuration for the Eclipse EA500 (Part No. E420-CS-0022), EASA TCDS, and optional/mandatory operational equipment.

Revision B changes include:

- Clarified aircraft effectivity statement.
- Added Export Control

C. Description

The following Modification/Service Bulletins must be accomplished prior to registration in EASA Member States:

- (a) All the *Alert*, *Required*, and *Mandatory* Modification/Service Bulletins applicable to the aircraft at time of export.

NOTE: For aircraft serial number applicability, check current Modification/Service Bulletins effectivity in the Eclipse Database.

- (b) Modification/Service Bulletins

NOTE: The Modification/Service Bulletins listed below must be complied with as applicable by aircraft serial number.

D. EASA Required Equipment - Avio NG 1.5

The following are EASA required items for export to and registration in EASA Countries:

Modification/Service Bulletin
SB 500-11-003 - Aircraft Registration Markings and Avionics Settings for International Registered Aircraft
SB 500-11-004 - Fireproof Identification Plate for International Registered Aircraft
SB 500-11-005 - Bilingual Placards for International Registered Aircraft
SB 500-23-002 - KTR 2280 Multi-mode Digital Radio Upgrade
SB 500-31-016 - Instrument Panel, Left - Red Switches
SB 500-31-018 - ACS Software 5.3.06 Update or later approved ACS Software Service Bulletin
SB 500-32-010 - Bias Ply Tire Installation
SB 500-31-020 - DSU Software 3.0.54 Update or later approved DSU Software Service Bulletin
SB 500-34-016 - Dual Mode S Diversity Transponder Installation
SB 500-34-020 - Standby Attitude, Altitude and Airspeed Package
SB 500-52-009 - Cabin Door Proximity Switch Notification
SB 500-56-001 - Windshields and Cockpit Side Windows Upgrade
SB 500-76-001 - Throttle Lever Test or SB 500-73-003 FADEC Software Update (when available)
SB 500-99-001 - Performance Enhancement Modification
SB 500-99-004 - Flight Into Known Icing (FIKI)
SB 500-99-005 - Avionics Upgrade to Avio NG + 1.5 Configuration

EASA Required Manuals - AVIO NG 1.5

- EA500 Airplane Flight Manual (AFM), P/N 06-122204, Revision 4, dated 23 July, 2012, or later EASA approved revision.
 - EA500 EASA AFM Supplement, P/N 06-122953-EASA01, Standby Mechanical Attitude Indicator, Original Issue, or later approved revision.
 - EA500 EASA AFM Supplement, P/N 06-122953-EUOPS01, European Commercial Operations, Revision 01 or later approved revision, if purchased with the applicable Operational Bulletin OB 500-00-104.

NOTE: This AFMS is mandatory for commercial operations (optional for private operations).

- EA500 Airplane Maintenance Manual (AMM), P/N 06-117751, Revision 19 or later revision.
 - EA500 EASA Airplane Maintenance Manual Supplement, P/N 06-122713.

E. EASA Required Equipment - Eclipse SE, Total Eclipse Plus, and Eclipse 500 Plus

The following are EASA required items for export to and registration in EASA Countries:

Incorporate the following Bulletins:
SB 500-11-003 - Aircraft Registration Markings and Avionics Settings for International Registered Aircraft
SB 500-11-004 - Fireproof Identification Plate for International Registered Aircraft
SB 500-11-005 - Bilingual Placards for International Registered Aircraft
SB 500-23-002 - KTR 2280 Multi-mode Digital Radio Upgrade
SB 500-31-016 - Instrument Panel, Left - Red Switches
SB 500-32-010 - Bias Ply Tire Installation
SB 500-34-016 - Dual Mode S Diversity Transponder Installation
SB 500-52-009 - Cabin Door Proximity Switch Notification
SB 500-56-001 - Windshields and Cockpit Side Windows Upgrade
SB 500-99-001 - Performance Enhancement Modification
SB 500-99-004 - Flight Into Known Icing (FIKI)
SB 500-99-005 - Avionics Upgrade to Avio NG + 1.5 Configuration
MB 500-99-001 - Collector Bulletin Total Eclipse Plus OR
MB 500-99-002 - Collector Bulletin Eclipse 500 Plus OR
MB 500-99-004 - Collector Bulletin Eclipse SE

EASA Required Manuals - Eclipse SE, Total Eclipse Plus, and Eclipse 500 Plus

- EA500 Airplane Flight Manual (AFM), P/N 06-123844, Revision 01, dated 18 September, 2015, or later EASA approved revision.
 - EA500 EASA AFM Supplement, P/N 06-123841-EUOPS, European Commercial Operations, Revision Original Issue or later approved revision, if purchased with the applicable Operational Bulletin OB 500-00-105.

NOTE: This AFMS is mandatory for commercial operations (optional for private operations).
- EA500 Airplane Maintenance Manual (AMM), P/N 06-117751, Revision 19 or later revision.
 - EA500 EASA Airplane Maintenance Manual Supplement, P/N 06-122713.

F. EASA Required Equipment - Eclipse SEP

The following are EASA required items for export to and registration in EASA Countries:

Incorporate the following Bulletins:
SB 500-11-003 - Aircraft Registration Markings and Avionics Settings for International Registered Aircraft
SB 500-11-004 - Fireproof Identification Plate for International Registered Aircraft
SB 500-11-005 - Bilingual Placards for International Registered Aircraft
SB 500-23-002 - KTR 2280 Multi-mode Digital Radio Upgrade
SB 500-31-016 - Instrument Panel, Left - Red Switches
SB 500-32-010 - Bias Ply Tire Installation
SB 500-34-016 - Dual Mode S Diversity Transponder Installation
SB 500-52-009 - Cabin Door Proximity Switch Notification
SB 500-56-001 - Windshields and Cockpit Side Windows Upgrade
SB 500-99-001 - Performance Enhancement Modification
SB 500-99-004 - Flight Into Known Icing (FIKI)
SB 500-99-005 - Avionics Upgrade to Avio NG + 1.5 Configuration
MB 500-99-003 - Collector Bulletin Eclipse SEP

EASA Required Manuals - Eclipse SEP

- EA500 Airplane Flight Manual (AFM), P/N 06-122204, Revision 4, dated 23 July, 2012, or later EASA approved revision.
 - AFM Supplement, 06-121770-07, Anti-Skid Braking System (ABS), Revision 02, or later approved revision.
 - AFM Supplement, 06-121770-08, Integrated Flight Management System (IFMS) Version 2.5+, Original Issue, or later approved revision.
 - EA500 EASA AFM Supplement, P/N 06-123841-EUOPS, European Commercial Operations, Revision Original Issue or later approved revision, if purchased with the applicable Operational Bulletin OB 500-00-105.
- NOTE: This AFMS is mandatory for commercial operations (optional for private operations).
- EA500 Airplane Maintenance Manual (AMM), P/N 06-117751, Revision 19 or later approved revision.
 - EASA Airplane Maintenance Manual Supplement, P/N 06-122713.

G. EASA Additional Optional Modification/Service Bulletins for any Configuration

The following are EASA optional items for export to and registration in EASA Countries:

Modification/Service Bulletin
SB 500-04-006 - Life Extension (optional)
SB 500-23-003 - Satellite Phone Installation (optional)
SB 500-25-004 - Seat, Armrest Installation (optional)
SB 500-25-006 - Sun Visor Installation (optional)
SB 500-34-008 - Stormscope Installation (optional)
SB 500-34-009 - Weather Radar Installation or equivalent MB (required for commercial operations)
SB 500-34-010 - Terrain Awareness Warning System (TAWS) Installation (optional)
SB 500-34-011 - Traffic Advisory System (TAS-ACAS Level I) Installation (optional)
SB 500-34-013 - Automatic Direction Finder (ADF) System Installation or (required by National European A.I.P) MB 500-34-005
SB 500-34-014 - Distance Measurement Equipment (DME) Installation or (required by National European A.I.P) MB 500-34-006
SB 500-35-002 - 40 Cu. Ft Oxygen Cylinder and Co-Pilot Quick-Don Oxygen Mask Installation (required for commercial operations)

NOTE: SB/MBs only apply if not installed during production.

NOTE: For the Avio IFMS 2.5 Configuration, for the second (Copilot) optional SDU or optional Auto-Throttles, see MB 500-31-006.

NOTE: For the Avio IFMS 2.7 Configuration, for the second (Copilot) optional SDU or optional Auto-Throttles, see MB 500-31-007.

NOTE: The following mandatory Service Bulletins, if applicable to the exported S/N aircraft, are provided for compliance with the applicable FAA Airworthiness Directives (AD):

- SB 500-57-007 required by AD 2007-24-12
- SB 500-76-001 required by AD 2008-16-15
- SB 500-34-019 required by AD 2008-19-01
- SB 500-34-005 required by AD 2008-02-04
- SB 500-31-015 required by AD 2010-20-24
- PWC SB 60077 or SB 60079 or SB 60083 required by AD 2011-06-06 R1

H. Compliance

Mandatory for all aircraft that are to be registered in EASA Member States.

I. Approval

This Service Bulletin is based on engineering data that is FAA and/or EASA approved, and the modification herein complies with the applicable regulations.

J. Labor Requirements

The following information is for planning purposes only.

(1) Estimated labor hours to perform:

Suggested number of personnel: 1

Preparation:.....8.0 Hours

Checking aircraft for compliance:....1.0 Hours

Total labor hours:9.0

K. Weight and Balance Change

No change.

L. Electrical Load Data Change

No change.

M. Software Accomplishment Summary

Not applicable.

N. References

- EA500 Type Certificate EASA.IM.A.171, "Original Issue 1", dated 21 November 2008, or later approved revision.
- EA500 TCDS revision 7, dated 12 April 2016, or later approved revision.
- OB 500-00-104, European Commercial Operations for Eclipse 500
- OB 500-00-105, European Commercial Operations for Eclipse 550®, Eclipse SE, SEP, TE PLUS, & 500 Plus Configurations
- OB 500-00-108, EASA Master Minimum Equipment List (MMEL)

O. Publications Affected

- Airplane Flight Manual (AFM), P/N 06-122204
- Airplane Flight Manual (AFM), P/N 06-123844
- Aircraft Maintenance Manual (AMM), P/N 06-117751
- Aircraft Maintenance Manual, EASA Supplement, P/N 06-122713
- Illustrated Parts Catalog (IPC), P/N 06-117752

P. Export Control

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. These commodities, technology or software are intended for use only in the End User's country. An export license from the U.S. Department of Commerce may be required before these products can be re-exported, transferred, transshipped on a non-continuous voyage, or otherwise disposed of in any other country, either in their original form or after being incorporated into an end item. Diversion of this end-item or its use contrary to any applicable U.S. government license or to U.S. law is prohibited.

2. MATERIAL INFORMATION

A. Materials

No materials are required for this Service Bulletin.

B. Interchangeability/Intermixability of Parts

Not applicable.

C. Part Re-identification

Not applicable.

3. ACCOMPLISHMENT INSTRUCTIONS

A. Procedure

This is a configuration Service Bulletin. Make sure that all the applicable Modification/Service Bulletins are installed before the aircraft obtains a FAA Export Certificate of Airworthiness.

Assure that applicable aircraft registration markings set by the local aviation authority where the aircraft is to be registered have been applied or the equivalent Service Bulletin, SB 500-11-003 Aircraft Registration Markings and Avionics Settings for International Registered Aircraft has been accomplished.

Assure that either the Fireproof Identification Plate is installed or the equivalent Service Bulletin, SB 500-11-004 Fireproof Identification Plate for International Registered Aircraft has been accomplished.

NOTE: Specific requirements may vary based on the registering country

Assure that either Bilingual Placards are installed or the equivalent Service Bulletin, SB 500-11-005 Bilingual Placards for International Registered Aircraft has been accomplished.

NOTE: Specific requirements may vary based on the registering country

Assure that either the Instrument Panel, Left Red Electrical Switches P/N 80-00884-009 (Instrument Panel, Left, White Back Lighting) is installed or the equivalent Service Bulletin, SB 500-31-016 Instrument Panel, Left Red Electrical Switches has been accomplished.

Assure that either the Dual Mode S Diversity Transponders are installed or the equivalent Service Bulletin, SB 500-34-016, Rev B or later Dual Mode S Diversity Transponder Installation has been accomplished.

B. Limitations and Procedures

ECLIPSE AVIO NG 1.5

Airplane Flight Manual (AFM), P/N 06-122204, Rev 4 or later revision must be used for Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267 with AVIO NG 1.5 configuration installed.

- Airplane Flight Manual (AFM) Supplement, P/N 06-122953-EASA01, Rev "Original Issue" or later revision must be used for Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267 with AVIO NG 1.5 configuration installed.
- EA500 EASA AFM Supplement, P/N 06-122953-EUOPS01, European Commercial Operations, Revision 01 or later approved revision, if purchased with the applicable Operational Bulletin OB 500-00-104.

NOTE: This AFMS is mandatory for commercial operations (optional for private operations).

ECLIPSE SEP

Airplane Flight Manual (AFM), P/N 06-122204, Rev 4 or later revision must be used for Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267 with AVIO IFMS 2.5 (SEP) configuration installed.

- AFM Supplement, 06-121770-07, Anti-Skid Braking System (ABS), Revision 02, or later approved revision.
- AFM Supplement, 06-121770-08, Integrated Flight Management System (IFMS) Version 2.5+, Original Issue, or later approved revision.
- EA500 EASA AFM Supplement, P/N 06-123841-EUOPS, European Commercial Operations, Revision Original Issue or later approved revision, if purchased with the applicable Operational Bulletin OB 500-00-105.

NOTE: This AFMS is mandatory for commercial operations (optional for private operations).

ECLIPSE SE, TOTAL ECLIPSE PLUS, AND ECLIPSE 500 PLUS

Airplane Flight Manual (AFM), P/N 06-123844, Rev "Original Issue" or later revision must be used for Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267 with IFMS 2.7 and later approved version installed.

- Airplane Flight Manual (AFM) Supplement, P/N 06-122953-EUOPS01, Rev "01" or later revision must be used for commercial operations of Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267 with IFMS 2.7 and later configuration installed.
- EA500 EASA AFM Supplement, P/N 06-123841-EUOPS, European Commercial Operations, Revision Original Issue or later approved revision, if purchased with the applicable Operational Bulletin OB 500-00-105.

NOTE: This AFMS is mandatory for commercial operations (optional for private operations).

ALL

Aircraft Maintenance Manual (AMM), P/N 06-117751, Rev 19 or later revision must be used for Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267.

- Aircraft Maintenance Manual (AMM) EASA Supplement, P/N 06-122713, Rev "002" or later revision must be used for Eclipse EA500 aircraft registered in EASA Member States: S/N 0001-0262, 0266, 0267 with any configuration installed.

4. RECORD OF COMPLIANCE

Upon completion of this Service Bulletin, make an appropriate maintenance-record entry specifying the Service Bulletin number.

5. NOTIFYING ECLIPSE AEROSPACE

On completing this Service Bulletin, the operator/maintainer shall complete the attached Compliance Record and send it to Eclipse Aerospace via regular mail, fax, or e-mail.

Mailing Address	Eclipse Aerospace Incorporated ATTN: Service Engineering 2503 Clark Carr Loop SE Albuquerque, NM 87106
Fax	1-505-241-8802
E-mail	sbcompliance@eclipse.aero

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MODIFICATION/SERVICE BULLETIN COMPLIANCE RECORD	
MODEL _____	AIRPLANE S/N _____ REG. NO. _____ TOTAL TIME _____
OWNER NAME: _____	
ADDRESS: _____ _____	
TELEPHONE NO. (____) _____ FAX NO. (____) _____	
COMPLIANCE WITH SB 500-04-001, Rev C	
Description of Work Performed (Inspection Modification Repair Option Installation Defect or Damage Found, if applicable)	
DATE _____	WORK PERFORMED
BY _____ (PRINTED)	(SIGNATURE)
COMPANY _____	
ADDRESS _____ _____	
TELEPHONE _____	FAX _____