

# Ignition System Publication Index

**CONTINENTAL IGNITION SYSTEMS**

# MASTER SERVICE MANUAL



**Publication X41005-15**

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## Introduction

This document contains:

Contact and access information for Continental Motors' Ignition System service information in both printed and electronic, online form.

- Index of Continental Motors Ignition System Publications
- The following indices for Ignition System Service Bulletins:
  - Ignition System Service Bulletin Index
  - Cross Reference Index
  - Superseded Service Bulletin Index

## Publication Access

Ignition System information pertaining to Continental Motors products is available by subscribing to the Continental Motors' Internet Services. An FBO Service subscription is available with a paid subscription fee. Contact a Continental Motors distributor to discuss service subscription options and pricing or visit our web site (See "Contact Information" on page ii).

Printed Continental Motors publications may be ordered through Continental Motors authorized distributors or via the Internet on the Continental Motors web site. See "Contact Information" on page ii.

## Publication Changes

Continental Motors releases publication changes in the form of either change pages or complete publication revisions, depending upon the extent of change. Service Documents may supplement or replace technical information contained in one publication or an entire series of publications. Such Service Documents represent a change to the published ICA until the individual publications incorporate the latest technical information.

Document updates are available via the Continental Motors web site upon notification of FAA document approval. Printed publication subscribers receive printed changes and revisions as they are released.

Document revisions are released if the update changes more than 50% of the contents of a publication. Revisions replace the previous version of a publication from cover to cover. Minor corrections are released as change pages to the original publication, identified with a change number and effective change date in the page footer. Information on the page that changed from the previous edition is identified by a vertical, six-point black line, referred to as a "change bar" in the outside margin of the page. A change page replaces only the previous edition of the affected page.



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## Suggestions and Corrections

Continental Motors solicits and encourages user comments regarding suggested changes to this manual. Direct recommended changes or questions to the attention of “Publications” at the address listed in “Contact Information” on this page or via email to [CM.techpubs@continentalmotors.aero](mailto:CM.techpubs@continentalmotors.aero).

## Contact Information

Notify Continental Motors Customer Service immediately, using our toll-free number, if you discover incorrect information which adversely affects safety.

Continental Motors is available to answer technical questions and encourages suggestions regarding products, parts, or service. If customers have an inquiry or require technical assistance, they should contact their local Continental Motors distributor or field representative. To contact Continental Motors, refer to the contact information below:

Continental Motors, Inc.  
P. O. Box 90  
Mobile, AL 36601

Customer Service Department:

Toll free within the Continental United States: 1-888-826-5465

International: 1-251-438-8299

Internet Service: <http://continentalmotors.aero>.

## Service Tools

Obtain Service Tools and Service Tool Operating Manuals from:

Kell-Strom Tool Company, Inc.

214 Church St.

Wethersfield, CT 06109

Toll free within the Continental United States: 1-800-851-6851

International: 1-860-529-6851

FAX: 1-860-257-9694

Internet Address: [www.kell-strom.com](http://www.kell-strom.com)



## Ignition System Publication Index

### Publication Index

Publication Title	Document or Form Number	Available Online	Publication Date
Master Service Manual	X40000	No	---
Renewal Subscription for Master Service Manual	X40000SUB	No	---
Manual Introduction <sup>1</sup> (this document)	X41005	No	08/11
The Aircraft Magneto <sup>1</sup>	IGN-51	Yes	08/11
ABC's of the Shower-of-Sparks <sup>1</sup>	IGN-52	Yes	08/11
<b>Service Support Manuals (include Maintenance/Overhaul Information and Parts Catalogs)</b>			
S-20 & S-200 Series Magnetos <sup>1</sup>	X42002-3	Yes	08/11
S-1200 Series Magnetos <sup>1</sup>	X42001-3	Yes	08/11
D-2000/D-3000 Series Magnetos and Harness <sup>1</sup>	X42003-3	Yes	08/11
<b>Accessory Service Support Manuals (include Maintenance/Overhaul Information and Parts Catalogs)</b>			
High Tension Harnesses <sup>1</sup>	X43001-1	Yes	08/11
Switch and Door Lock Kits <sup>1</sup>	X43002-1	Yes	08/11
Starting Vibrators <sup>1</sup>	X43003-2	Yes	08/11
<b>Application Data</b>			
Magnetos, Gold Seal Harnesses, Ignition System Switches & Starting Vibrators <sup>1</sup>	X44001-3	Yes	08/11
<b>Active Service Bulletins</b>			
Service Bulletin Set <sup>1 2</sup>	X40000SBS	Yes	---

1. Contained in the Master Service Manual X40000

2. The Service Bulletin Set includes all active Service Bulletins as of factory ship date. Updates to printed copies of the Service Bulletin Sets will not automatically be sent after initial purchase of the set.



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## Service Documents

Six categories of Service Documents may be issued by Continental Motors ranging from mandatory (Category 1) to informational (Category 6). Definitions of the categories are listed below:

NOTE: Upon FAA approval, Continental Motors publishes service documents for immediate availability on the Continental Motors web site, <http://continentalmotors.aero>. The service document cover page indicates the magnetos affected by the service document. Service documents may alter or replace the manufacturer's Instructions for Continued Airworthiness. Insert a copy of applicable Service Documents in affected manuals until the service document instructions are incorporated in the manual, or the service document is cancelled or superseded.

### **Category 1: Mandatory Service Bulletin (MSB)**

Used to identify and correct a known or suspected safety hazard which has been incorporated in whole or in part into an Airworthiness Directive (AD) issued by the FAA or have been issued at the direction of the FAA by the manufacturer requiring compliance with an already-issued AD (or an equivalent issued by another country's airworthiness authority). May contain updates to Continental Motors Instructions for Continued Airworthiness to address a safety issue.

### **Category 2: Critical Service Bulletin (CSB)**

This category identifies a condition that threatens continued safe operation of an aircraft, persons or property on the ground unless some specific action (inspection, repair, replacement, etc.) is taken by the owner or operator. Documents in this category are candidates for incorporation into an FAA Airworthiness Directive. May contain updates to Continental Motors Instructions for Continued Airworthiness to address a safety issue.

### **Category 3: Service Bulletin (SB)**

Information which the product manufacturer believes may improve the inherent safety of an aircraft or aircraft component; this category includes the most recent updates to Instructions for Continued Airworthiness.

### **Category 4: Service Information Directive (SID)**

The manufacturer directs the owner/operator/mechanic in the use of a product to enhance safety, maintenance or economy. May contain updates to Continental Motors Instructions for Continued Airworthiness in the form of maintenance procedures or specifications.

### **Category 5: Service Information Letter (SIL)**

This category includes all information (not included in categories 1 through 4) that may be useful to the owner/operator/technician. May contain updates to Continental Motors Instructions for Continued Airworthiness for optional component installations, which are not covered in the Applicable Operator, Maintenance, or Overhaul Manuals.

### **Category 6: Special Service Instruction (SSI)**

This category is used to address an issue limited to specific model and/or serial number engines. Continental Motors will distribute SSI notification directly to the affected engine's owners. SSIs will not be included in the general service document set but will be made available through Continental Motors Customer Service to owners of the affected engines only. An SSI may update the applicable engine's Instructions for Continued Airworthiness.



## Ignition System Service Bulletin Index

The Ignition System Service Bulletin Index lists active service bulletins and applications pertaining to Continental Motors Ignition Systems.

### WARNING

**Use only the latest version of the publications listed in the index below. Consult the Continental Motors web site for the latest revision level for the publication.**

The product application code letters (A thru H) listed in the Ignition System Service Bulletin Index are defined as:

#### Product Application Codes

<b>A</b>	S-20	<b>E</b>	D-3000
<b>B</b>	S-200	<b>F</b>	Switches
<b>C</b>	S-1200	<b>G</b>	Vibrators
<b>D</b>	D-2000	<b>H</b>	Harnesses

NOTE: Information contained in Service Bulletins which are no longer active has been incorporated into the applicable Product Service Manual.

#### Ignition System Service Bulletin Index

Service Bulletin Title <sup>1</sup>	Service Bulletin Number	Service Bulletin Category Code <sup>2</sup>	Date	Product Application
Shouldered Magneto Drive Shaft Bushing (AD <sup>3</sup> 74-26-09)	556C	1	07/75	A, B, & C
Ignition Switches, Twist-to-Start, Push-to-Start, Twist-to-Start/Push-to-Prime Types (AD 76-07-12)	583	1	04/76	F
Inspection of D-2000 Series Magneto Capacitor (AD 78-18-04)	587	1	02/77	D
Rotating Magnet-to-Housing Clearance (AD 78-18-04)	590A	1	05/78	D
Rear Bearing in D-2000/2200 Series Magnetos (AD 78-18-04)	600	1	05/78	D
Inspection for Possible Housing Distortion (AD 80-17-14)	605A	1	11/79	D
D-2000/2200 Series Magnetos Using Green Distributor Block (AD 79-12-07)	606	1	04/79	D
Repair of Starting Vibrators Utilizing 5 Contact Bushings (AD 81-17-01)	614	1	02/81	G
Inspection and/or Replacement of Distributor Gears (AD 82-11-05)	617B	1	05/84	D
Replacement or Inspection of Distributor Gears in D-3200 Series (blue) Pressurized Magnetos (AD 81-12-06 R1)	618	1	06/81	E
Replacement or Inspection of Distributor Gears in D-3000/3200 Series (blue) Magnetos (AD 81-12-06 R1)	619	1	08/81	E
Inspection of Impulse Coupling Cam Assemblies (AD 82-20-01)	623A	1	08/84	A, C, D & E
Gold Seal Harness	635	3	05/91	H



### Ignition System Service Bulletin Index

Service Bulletin Title <sup>1</sup>	Service Bulletin Number	Service Bulletin Category Code <sup>2</sup>	Date	Product Application
Bendix/TCM Ignition Switch Inspection	636	2	08/92	F
Proper Installation of Impulse Couplings (AD 96-12-07)	639	3	03/93	A, C, D & E
Possible Open Condition of SC-20, SC-200 and S-1200 Series Magneto Capacitor part number 10-349276 (AD 94-06-09)	CSB641	2	02/94	A, B & C
Manufacturing Number (Serial No.) Interpretation	SIL642B	5	03/09/05	All
Maintenance Intervals for All TCM and Bendix Aircraft Magnetos and Related Equipment	SB643B	3	04/06/05	All
Replacement of Magneto Coils and Rotating Magnets (AD 94-01-03 R2)	MSB644	1	04/94	A, B & C
Inspection of Riveted Impulse Couplings and Stop Pins (AD 2005-12-06)	MSB645	1	04/94	A, C, D & E
Optional Conversion to "Shower-of-Sparks" Ignition	SIL648	5	10/94	All
10-400405 and 10-400406 Distributor Gear Kits and S-1200 Series Magnetos	SIL649	5	02/95	C
Hot Magneto Test	SB653	3	05/95	A, B, C, D, E & F
Distributor Gear Maintenance	SB658	3	08/16/96	A, B, C, D & E
Magneto Impulse Coupling Stop Pin Installation	SB659	3	11/13/96	C
Possible Malfunction in Certain Push-to-Start Ignition/Starter Switches	SB660	3	12/5/97	F
BL- Prefix Marking on Rebuilt Magnetos and Rebuilt D-3000 Ignition Systems	SIL661	5	09/15/99	A, B, C & E
Two-Wire Magneto Tachometer Breaker	SB663A	3	01/14/07	A
Magneto Capacitor Part Number 10-400558 Replacement	CSB664	2	09/6/02	A, B & C
Magneto Capacitor Part Number 10-400615 Inspection & Replacement	CSB665A	2	08/20/04	A, B & C
Inspection of Ignition Harness Attachment Plate	CSB668	2	5/18/10	A, B & H

1. For FAA Airworthiness Directive Documents, visit [http://www.faa.gov/regulations\\_policies/airworthiness\\_directives/](http://www.faa.gov/regulations_policies/airworthiness_directives/)
2. Code defined under the "Service Bulletin" heading in this document.
3. AD = Airworthiness Directive; refer to the "Service Bulletin Index Cross Reference" in this document



## Ignition System Service Bulletin Index Cross Reference

The Cross Reference Index in this section lists Continental Motors Ignition System Service Bulletins and associated FAA Airworthiness Directives (ADs) and supersedures.

### Service Bulletin Index Cross Reference

AD Number	Corresponding Service Bulletin	Superseded by AD Number	Superseded by Service Bulletin
73-07-04	SB560	94-01-03 R2	MSB644
74-26-09	SB556B	Active	556C
76-07-12	SB583	Active	Active
77-17-07	SB590	78-18-04	SB590A
78-09-07 R3	SB599B	96-12-07	MSB645
78-18-04	SB584B <sup>1</sup> , SB587, SB590A, & SB600	Active	1
79-12-07	SB606	Active	Active
79-18-06	SB605	80-17-14	SB605A
80-17-14	SB605A	Active	Active
81-12-06 R1	SB618 & SB619	Active	Active
81-17-01	SB614	Active	Active
82-11-05	SB617	Active	SB617B
82-13-01	SB613	Active	X42001-1
82-20-01	SB623	Active	SB623A
94-01-03 R2	MSB644	Active	Active
94-06-09	CSB641	Active	Active
96-12-07	SB639 & MSB645	2005-12-06	Active
2005-12-06	SB639 & MSB645	Active	Active

1. Service Bulletin 584B was superseded by Manual X42003-1. Service Bulletins SB587, SB590A & SB600 are Active.



## Superseded Ignition System Service Bulletin Index

The Index below lists superseded Continental Motors Ignition System Service Bulletins and the supersedure authority.

### Superseded Service Bulletin Index

Old Service Bulletin Number	Superseded By	Old Service Bulletin Number	Superseded By
SB556B	SB556C	SB633	SIL642B
SB560	MSB644	SB634	X42002-1
SB560A	MSB644	SB637	MSB644
SB584B	X42003	SB638	X42003-1
SB590	5SB90A	SB640	X41005-12
SB599B	MSB645	SB651	X42003-1
SB599C	MSB645	SB654	SB654A
SB599D	MSB645	SB656	X42003-1
SB617	SB617B	SIL657	SIL657A
SB623	SB623A	CSB662	CSB662A
SB630	X42001-1	CSB662A	X42003-1
SB631	X42001-1 X42002-1 X42003-1	SB663	SB663A
SB632	SB643B	CSB665	CSB665A
SB632A	SB643B		





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