

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

# **Garmin 4.8 Software and LRU Update ICA Supplement**

**MODEL NO: 680A**

**SUPPLEMENT NO: ICA-680A-34-00004B  
SUPPLEMENT DATE: 2/8/2022**

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**REVISIONS**

ICA-680A-34-00004	Rev: B	Date: Feb 8/2022
ICA Summary	Pages 1-17	
<b>Manuals Affected</b>	<b>Description</b>	<b>Title</b>
Maintenance Manual		
<ul style="list-style-type: none"> <li>This ICA supplement was incorporated in Revision 11 of the Model 680A Maintenance Manual rendering this ICA Supplement Obsolete.</li> </ul>		
Appendix A: Illustrated Parts Catalog		
<ul style="list-style-type: none"> <li>This ICA supplement was incorporated in Revision A3 of the Model 680A Illustrated Parts Catalog rendering this ICA Supplement Appendix Obsolete.</li> </ul>		
Appendix B: Wiring Diagram Manual		
<ul style="list-style-type: none"> <li>This ICA supplement was incorporated in Revision 8 of the Model 680A Wiring Diagram Manual rendering this ICA Supplement Appendix Obsolete.</li> </ul>		

TEXTRON AVIATION INC.  
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WICHITA, KANSAS 67277

<b>ICA-680A-34-00004</b>	<b>Rev: A</b>	<b>Date: Feb 03/2020</b>
ICA Summary	Pages 1-27	
<b>Manuals Affected</b>	<b>Description</b>	<b>Title</b>
Maintenance Manual	31-33-00 pages 1-2	Aircraft Recording System (ARES II) - Description and Operation
	31-33-00 pages 501-507	Aircraft Recording System (ARES II) - Adjustment/Test
	42-00-00 pages 1-2	Integrated Modular Avionics - General
	42-10-00 page 501	Garmin G5000 Integrated Avionics System Software - Adjustment/Test
	42-10-07 pages 501-583	Garmin G5000 Integrated Avionics System LRU Software Version A3 Configuration - Adjustment/Test
	42-10-08 pages 501-518	Garmin G5000 Integrated Avionics System Option Loading for Software Version A3 Configuration - Adjustment/Test
	42-10-09 pages 201-223	Garmin G5000 Integrated Avionics System Base Software Version A3 Configuration - Maintenance Practices
	42-10-09 pages 501-523	Garmin G5000 Integrated Avionics System Base Software Version A3 Configuration - Adjustment/Test
	45-40-10 pages 201-203	Update CMC Configuration/CMC Viewer Version - Maintenance Practices
<ul style="list-style-type: none"> <li>Revised original revision of supplement to change the Garmin G5000 Software Loader Card P/N from 010-02151-A1 to -A3 and to remove all references to the RNP AR&lt;.3 software unlock cards and software loading procedures from the document.</li> </ul>		
Appendix A: Illustrated Parts Catalog	See Attached Parts Table	
<ul style="list-style-type: none"> <li>Changed the Garmin G5000 Software Loader Card P/N from 010-02151-A1 to -A3.</li> <li>Removed the 010-00330-KG RNP AR &lt; 0.3 Enable Card from the parts list.</li> </ul>		

ICA-680A-34-00004	Rev: -	Date: Dec 20/2019
ICA Summary	Pages 1-26	
<b>Manuals Affected</b>	<b>Description</b>	<b>Title</b>
Maintenance Manual	5-10-01 pages 1-37	MSG-3 Inspection Time Limits

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

<ul style="list-style-type: none"> <li>Corrected phone number for task 24-20-00-910</li> <li>Task 53-20-00-2111 - Added the GIA 64E and GDU 1450W to inspection and deleted duplicate GIA 63W entry.</li> <li>Tasks 53-20-00-2112 and 53-20-00-2113 - Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	5-10-06 pages 1-9	Lightening/High Intensity Radiated Fields (L/HIRF) Tasks
<ul style="list-style-type: none"> <li>Task 53-20-00-2111 - Added the GIA 64E and GDU 1450W to inspection and deleted duplicate GIA 63W entry.</li> <li>Tasks 53-20-00-2112 and 53-20-00-2113 - Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	5-12-16 pages 1-3	Inspection Document 16
<ul style="list-style-type: none"> <li>Task 53-20-00-2111 - Added the GIA 64E and GDU 1450W to inspection and deleted duplicate GIA 63W entry.</li> <li>Tasks 53-20-00-2112 and 53-20-00-2113 - Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	12-10-60 pages 301-304	Oxygen System - Servicing
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	21-25-05 pages 401-403	Glareshield Cooling Fan - Removal/Installation
<ul style="list-style-type: none"> <li>Changed GDU 1400 to PFD and MFD and Garmin Flight Display for the Chapter 34 References.</li> </ul>		
Maintenance Manual	21-30-00 pages 1-3	Pressurization Control System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	21-30-00 pages 101-106	Pressurization Control System - Troubleshooting
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	21-60-00 pages 1-4	Temperature Control System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	22-10-00 pages 601-603	Garmin Automatic Flight Control System (AFCS) - Inspection/Check
<ul style="list-style-type: none"> <li>Task 22-10-00-720 - Changed Garmin 63W Integrated Avionics Unit to Garmin Integrated Avionics Unit.</li> </ul>		
Maintenance Manual	22-30-00 pages 501-503	Garmin G5000 Autothrottle System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	23-10-00 pages 1-3	VHF Communication System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and Garmin GIA 63W Integrated Avionics Unit to Garmin Integrated Avionics Unit(IAU).</li> </ul>		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	23-10-00 page 101	VHF Communication System - Troubleshooting
<ul style="list-style-type: none"> <li>Removed reference to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test.</li> <li>Added reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Added step to contact Team 680.</li> <li>Minor grammar corrections.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> </ul>		
Maintenance Manual	23-10-00 pages 501-505	VHF Communication System - Adjustment/Test
<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed GIA to Garmin Integrated Avionics Unit (IAU).</li> <li>Corrected COM 1 and COM 2 Tuning and Antenna Operational Check.</li> </ul>		
Maintenance Manual	23-13-00 pages 1-3	HF Communication System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	23-15-00 pages 1-3	Garmin Voice/Data Satellite Communication System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GDU 1400 to Garmin multifunction flight display.</li> </ul>		
Maintenance Manual	23-15-00 pages 501-505	Garmin Voice/Data Satellite Communication System - Adjustment/Test
<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Added the Garmin GSR 56 Iridium Transceiver #1 Operational Check.</li> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	23-15-15 pages 401-403	Garmin GSR 56 Iridium Transceiver - Removal/Installation
<ul style="list-style-type: none"> <li>Replaced the reference to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with a reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Added reference to the Garmin GSR 56 Iridium Transceiver #1 Operational Check.</li> <li>Minor grammar corrections.</li> <li>Updated the post-maintenance checks.</li> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> <li>Deleted Reference Material link to Chapter 34, Garmin GDL 69A Graphical Weather System - Adjustment/Test. It is not mentioned in the RTS.</li> </ul>		
Maintenance Manual	23-15-25 pages 401-403	Dual Inmarsat Radio Frequency (RF) Filter - Removal/Installation
<ul style="list-style-type: none"> <li>Updated reference link from Garmin GDL 69 Graphical Weather System to Garmin Datalink System.</li> </ul>		
Maintenance Manual	23-50-00 pages 1-6	Digital Audio System - Description and Operation
<ul style="list-style-type: none"> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> <li>Changed GMA 36 to GMA 36/36B for headings and to audio processor for general usage.</li> </ul>		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	23-50-00 pages 501-506	Digital Audio System - Adjustment/Test
<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed GTC 570 to GTC.</li> <li>Changed GMA 36 to audio processor.</li> </ul>		
Maintenance Manual	23-50-05 pages 401-404	Garmin Audio Processor - Removal/Installation
<ul style="list-style-type: none"> <li>Replaced the reference to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with a reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> <li>Changed Garmin GMA 36 Audio Processor to Garmin audio processor and added sentence in the General section that this section includes the GMA 36 and the GMA 36B.</li> </ul>		
Maintenance Manual	23-70-10 pages 401-403	Cockpit Voice Recorder (CVR) Microphone - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	24-60-05 pages 501-503	Circuit Breaker Panel - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	24-60-10 pages 501-502	DC Power Junction Box - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	24-60-25 pages 401-403	Avionics Junction Box - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display and Garmin GIA 63W to Garmin Integrated Avionics Unit.</li> <li>Changed GMA 36 to audio processor and Garmin GDL 69A Datalink Receiver to Garmin Datalink Receiver.</li> </ul>		
Maintenance Manual	24-60-30 pages 401-403	Avionics Junction Box Printed Circuit Board - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	24-60-35 pages 501-505	Aft Printed Circuit Board (PCB) - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	24-60-40 pages 501-504	Forward Printed Circuit Board (PCB) - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	24-63-00 pages 1-41	Electrical Load Analysis - Description and Operation (Airplanes -0001 thru -0247)

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

• Garmin 4.8 - Added Serialization Airplanes -0001 thru -0247 for airplanes prior to 4.8 hardware update.		
Maintenance Manual	24-63-01 pages 1-46	Electrical Load Analysis - Description and Operation (Airplanes -0248 and On)
• Added section for Garmin 4.8 Hardware Update for Airplanes -0248 and On.		
Maintenance Manual	25-60-00 pages 601-605	Emergency Locator Transmitter (ELT) System - Inspection/Check
• Changed GTC 570 to GTC.		
Maintenance Manual	25-60-20 pages 401-403	Emergency Locator Transmitter (ELT) Remote Switch - Removal/Installation
• Changed GTC 570 to GTC.		
Maintenance Manual	26-00-00 page 901	Fire Protection - Dispatch Deviation
• Changed GTC 570 to GTC.		
Maintenance Manual	26-10-00 page 101	Engine Fire Detection System - Troubleshooting
• Changed GTC 570 to GTC.		
Maintenance Manual	26-13-00 page 101	Baggage Compartment Smoke Detection System - Troubleshooting
• Changed GTC 570 to GTC.		
Maintenance Manual	26-20-00 page 101	Engine Fire Extinguishing System - Troubleshooting
• Changed GTC 570 to GTC.		
Maintenance Manual	26-20-00 pages 501-504	Engine Fire Extinguishing System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	26-23-00 pages 601-607	Auxiliary Power Plant (APU) Fire Extinguishing System - Inspection/Check
• Changed GTC 570 to GTC.		
Maintenance Manual	26-25-00 page 101	Baggage Compartment Fire Extinguishing System - Troubleshooting
• Changed GTC 570 to GTC.		
Maintenance Manual	27-00-15 pages 101-123	Flight Controls Dynamic Rigging - Troubleshooting
• Changed Garmin touchscreen control unit to Garmin touchscreen controller.		
Maintenance Manual	27-10-00 pages 501-522	Aileron Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	27-20-00 pages 601-616	Rudder Control System - Inspection/Check
• Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	27-20-17 pages 401-403	Rudder Loop Control Cable - Removal/Installation
• Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.		
Maintenance Manual	27-24-00 pages 501-516	Rudder Trim Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	27-40-00 pages 501-520	Horizontal Stabilizer Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	27-40-00 pages 601-604	Horizontal Stabilizer Control System - Inspection/Check
• Changed GTC 570 to GTC.		
Maintenance Manual	27-50-00 pages 501-519	Flap Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	27-50-30 pages 401-403	Flap Power Box Assembly - Removal/Installation
• Changed GTC 570 to GTC.		
Maintenance Manual	27-50-35 pages 401-402	Flap Reset Switch/Light - Removal/Installation
• Changed GTC 570 to GTC.		
Maintenance Manual	27-60-00 pages 501-524	Speed Brake Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	27-65-00 pages 501-528	Spoiler Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	27-70-00 pages 501-505	Control Lock System - Adjustment/Test
• Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.		
Maintenance Manual	28-20-00 pages 501-505	Fuel Distribution System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	28-40-00 pages 501-510	Fuel Indicating System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	29-10-17 pages 401-405	Unloading/Relief and Thrust Reverser Control Filter Manifold Switch - Removal/Installation



TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	30-10-00 pages 601-603	Wing Anti-Icing System - Inspection/Check
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	30-15-00 pages 601-603	Horizontal Stabilizer Anti-Icing System - Inspection/Check
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	31-10-05 pages 401-403	Instrument Panel - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GTC 570 Touchscreen Control Unit to Garmin Touchscreen Controller (GTC) and Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	31-30-00 pages 501-571	Flight Data Recorder (FDR) System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> <li>Added the step in the Aileron Surface Position Sensor/Control Wheel Position Sensor FDR Test Procedure.</li> </ul>		
Maintenance Manual	31-33-00 pages 1-2	Aircraft Recording System (ARES II) - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and GDU 1400W to Garmin flight display.</li> </ul>		
Maintenance Manual	31-33-00 pages 501-507	Aircraft Recording System (ARES II) - Adjustment/Test
<ul style="list-style-type: none"> <li>Added ARES Configuration File 8445003-4.</li> </ul>		
Maintenance Manual	31-40-00 pages 1-5	Garmin Data Acquisition System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GIA 63W to Garmin IAU and Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> <li>Changed GMA 36 to audio processor.</li> </ul>		
Maintenance Manual	31-40-00 page 101	Garmin Data Acquisition System - Troubleshooting
<ul style="list-style-type: none"> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> </ul>		
Maintenance Manual	31-40-00 pages 501-506	Garmin Data Acquisition System - Adjustment/Test
<ul style="list-style-type: none"> <li>Replaced the references to the Garmin G5000 Line Replaceable Unit (LRU) Software Configuration/Installation Procedure with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU) and GMA 36 to audio processor.</li> </ul>		
Maintenance Manual	31-40-05 pages 401-405	Garmin Integrated Avionics Unit (IAU) - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU).</li> </ul>		
Maintenance Manual	31-40-10 pages 401-404	Garmin GSD 41 Data Concentrator Unit (DCU) - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	31-40-15 pages 401-404	Garmin GEA 7100 Engine/Airframe Interface Unit - Removal/Installation
• Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.		
Maintenance Manual	31-50-00 pages 1-11	Engine Indicating and Crew Alerting System (EICAS) - Description and Operation
• Changed GTC 570 to GTC and Garmin GDU 1400W Flight Display to Garmin Flight Display.		
Maintenance Manual	31-55-00 pages 1-2	Master Caution and Master Warning - Description and Operation
• Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)		
Maintenance Manual	31-55-05 pages 401-404	Master Caution Reset and Master Warning Reset Switch/Light - Removal/Installation
• Changed GTC 570 to GTC.		
Maintenance Manual	31-57-00 pages 1-2	Aural Warning System - Description and Operation
• Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)		
Maintenance Manual	31-59-00 page 1	No Takeoff Warning - Description and Operation
• Changed GTC 570 to GTC.		
Maintenance Manual	31-59-00 pages 501-513	No Takeoff Warning - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	32-42-00 pages 501-512	Main Landing Gear Brake Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	32-44-00 pages 501-502	Parking Brake Control System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	32-46-00 pages 601-604	Antiskid Brake System - Inspection/Check
• Changed GTC 570 to GTC.		
Maintenance Manual	33-10-00 pages 1-5	Flight Compartment Lighting - Description and Operation
• Changed GTC 570 to GTC and Garmin GDU 1400W Flight Display to PFD or MFD.		
Maintenance Manual	33-10-00 pages 501-506	Flight Compartment Lighting - Adjustment/Test
• Changed GTC 570 to GTC and Garmin GDU 1400W Flight Display to PFD or MFD.		
Maintenance Manual	33-40-00 pages 1-6	Exterior Lighting - Description and Operation
• Changed GTC 570 to GTC.		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	33-40-00 pages 501-509	Exterior Lighting - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-00-00 pages 1-5	Navigation - General
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and Garmin GWX 70 Weather Radar to Garmin Weather Radar.</li> <li>Updated Garmin GDL 69 Graphical Weather System to Garmin Datalink System.</li> <li>Added parts for the Honeywell Inertial Reference System Alignment.</li> <li>Revised the part number and nomenclature of the AOA vane pointer.</li> </ul>		
Maintenance Manual	34-00-00 pages 101-167	Navigation - Troubleshooting
<ul style="list-style-type: none"> <li>Changed GWX 70 to Garmin Weather Radar.</li> </ul>		
Maintenance Manual	34-10-00 pages 1-5	Pitot-Static System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GIA 63W to Garmin Integrated Avionics Unit and Garmin GDU 1400W Flight Display to Garmin PFD or MFD.</li> </ul>		
Maintenance Manual	34-10-00 pages 601-619	Pitot-Static System - Inspection/Check
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-15-00 pages 1-3	Standby Instrument System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GDU 1400W Flight Display to Garmin MFD.</li> </ul>		
Maintenance Manual	34-15-25 pages 401-403	L-3 Communications GH-3900 Secondary Flight Display - Removal/Installation
<ul style="list-style-type: none"> <li>Changed GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	34-15-25 pages 501-503	L-3 Communications GH-3900 Secondary Flight Display - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GDU 1400W Flight Display to Garmin Primary Flight Display.</li> </ul>		
Maintenance Manual	34-15-27 pages 401-403	L-3 Communications GH-3900 Detachable Configuration Module - Removal/Installation
<ul style="list-style-type: none"> <li>Changed GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	34-20-00 pages 1-3	LITEF Hybrid Navigation System - Description and Operation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Primary Flight Display.</li> <li>Corrected details about determining position without GPS.</li> <li>Corrected to state that alignment must be performed if the mounting trays are removed.</li> <li>Corrected to say Free Mode instead of DG Mode.</li> </ul>		
Maintenance Manual	34-20-00 pages 501-521	LITEF Hybrid Navigation System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> <li>Corrected procedures to be more accurate.</li> </ul>		
Maintenance Manual	34-20-15 pages 401-403	LITEF Configuration Module - Removal/Installation

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

• Added post-maintenance checks to the configuration module.		
Maintenance Manual	34-23-00 pages 101-102	Honeywell Inertial Reference System - Troubleshooting
• Created pageblock.		
Maintenance Manual	34-23-00 pages 501-510	Honeywell Inertial Reference System - Adjustment/Test
• Created pageblock.		
Maintenance Manual	34-23-05 pages 401-403	Honeywell Inertial Reference Unit - Removal/Installation
• Added post-maintenance checks for the IRU R/I		
Maintenance Manual	34-23-10 pages 401-403	Honeywell IM-950 Configuration Module - Removal/Installation
• Added post-maintenance checks for the configuration module.		
Maintenance Manual	34-25-00 pages 1-2	Angle-of-Attack (AOA) System - Description and Operation
• Changed GTC 570 to GTC.		
Maintenance Manual	34-25-00 pages 101-102	Angle-of-Attack (AOA) System - Troubleshooting
• Changed GTC 570 to GTC.		
Maintenance Manual	34-25-00 pages 501-519	Angle-of-Attack (AOA) System - Adjustment/Test
• Changed GTC 570 to GTC.		
Maintenance Manual	34-30-00 pages 1-2	Landing and Taxi Navigational Aids - Description and Operation
• Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU) and Garmin GMA 36 Audio Processors to Garmin Audio Processors.		
Maintenance Manual	34-30-05 pages 401-404	Glideslope Antenna - Removal/Installation
• Added specified steps for the relocated glideslope antenna installed on the new mounting bracket.		
Maintenance Manual	34-40-00 pages 1-2	Garmin Weather Radar System - Description and Operation
• Changed GTC 570 to GTC. • Changed Garmin GWX 70 Weather Radar to Garmin Weather Radar • Added brief description of the added GWX 80 features.		
Maintenance Manual	34-40-00 pages 101-102	Garmin Weather Radar System - Troubleshooting
• Changed Garmin GWX 70 Weather Radar to Garmin Weather Radar		
Maintenance Manual	34-40-00 pages 501-503	Garmin Weather Radar System - Adjustment/Test

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GWX 70 Weather Radar to Garmin Weather Radar</li> </ul>		
Maintenance Manual	34-40-05 pages 401-404	Garmin Weather Radar - Removal/Installation
<ul style="list-style-type: none"> <li>Added reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GWX 70 Weather Radar to Garmin Weather Radar</li> <li>Added specified steps to show the difference between the GWX 70 and GWX 80 Weather Radar.</li> </ul>		
Maintenance Manual	34-40-10 pages 401-403	Garmin Weather Radar Antenna - Removal/Installation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> <li>Changed Garmin GWX 70 Weather Radar to Garmin Weather Radar Antenna.</li> </ul>		
Maintenance Manual	34-43-00 pages 1-2	L-3 Communications Stormscope Lightning Detection System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-43-00 pages 501-510	L-3 Communications Stormscope Lightning Detection System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and Garmin GDU 1400W Flight Display to Garmin PFD or MFD.</li> </ul>		
Maintenance Manual	34-47-00 pages 1-3	Garmin Traffic Collision Avoidance System (TCAS II) - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and Garmin GDU 1400W Flight Display to Garmin MFD.</li> </ul>		
Maintenance Manual	34-47-00 pages 501-514	Garmin Traffic Collision Avoidance System (TCAS II) - Adjustment/Test
<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-50-00 pages 601-605	Garmin GTX 3000 Transponder System - Inspection/Check
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-51-00 pages 1-2	Global Positioning System (GPS) - Description and Operation
<ul style="list-style-type: none"> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> </ul>		
Maintenance Manual	34-51-00 pages 101-103	Global Positioning System (GPS) - Troubleshooting
<ul style="list-style-type: none"> <li>Replaced reference to Chapter 34, Garmin G5000 Integrated Avionics System - Adjustment/Test with reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Added step to contact Team 680 for additional Garmin G5000 software and configuration troubleshooting.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU).</li> </ul>		
Maintenance Manual	34-51-00 pages 501-506	Global Positioning System (GPS) - Adjustment/Test

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> </ul>		
Maintenance Manual	34-52-00 pages 1-2	Garmin Dual Navigation (NAV) System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC, Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU) and Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	34-52-00 pages 101-103	Garmin Dual Navigation (NAV) System - Troubleshooting
<ul style="list-style-type: none"> <li>Replaced reference to Chapter 34, Garmin G5000 Integrated Avionics System - Adjustment/Test with reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Added step to contact Team 680 for additional Garmin G5000 software and configuration troubleshooting.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> </ul>		
Maintenance Manual	34-52-00 pages 501-504	Garmin Dual Navigation (NAV) System - Adjustment/Test
<ul style="list-style-type: none"> <li>Replaced the references to Chapter 34, Garmin G5000 Integrated Avionics System LRU/OPTION Software Configuration - Adjustment/Test with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GIA 63W to Garmin Integrated Avionics Unit (IAU)</li> </ul>		
Maintenance Manual	34-53-00 pages 1-2	Collins DME-4000 Distance Measuring Equipment (DME) System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-55-00 pages 1-2	Garmin Datalink System - Description and Operation
<ul style="list-style-type: none"> <li>Changed section title from Garmin GDL 69 Graphical Weather System to Garmin Datalink System. Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-55-00 pages 501-503	Garmin Datalink System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed section title from Garmin GDL 69 Graphical Weather System to Garmin Datalink System. Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-55-05 pages 401-403	Garmin Datalink Receiver - Removal/Installation
<ul style="list-style-type: none"> <li>Added reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GDL 69A Datalink Receiver to Garmin Datalink Receiver and added sentence in the General section that this section includes the GDL 69A.</li> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	34-57-00 pages 1-3	Collins ADF-4000 Automatic Direction Finder (ADF) System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	34-57-00 pages 101-105	Collins ADF-4000 Automatic Direction Finder (ADF) System - Troubleshooting
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and GMA 36 to audio processor.</li> </ul>		
Maintenance Manual	34-57-00 pages 501-504	Collins ADF-4000 Automatic Direction Finder (ADF) System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	34-60-00 pages 1-3	Garmin G5000 Integrated Avionics System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GDU 1400W to GDU 1400W/1450W and GTC 570 to GTC 570/575.</li> </ul>		
Maintenance Manual	34-60-05 pages 401-404	Garmin Flight Display - Removal/Installation
<ul style="list-style-type: none"> <li>Replaced the references to the Garmin G5000 Line Replaceable Unit (LRU) Software Configuration/Installation Procedure with references to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display and added sentence in the General section that this section includes the GDU 1400W and the GDU 1450W.</li> </ul>		
Maintenance Manual	34-60-07 pages 401-403	Garmin Flight Display Power Relay - Removal/Installation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display Power Relay to Garmin Flight Display Power Relay.</li> </ul>		
Maintenance Manual	34-60-10 pages 201-202	Garmin Touchscreen Controller (GTC) - Maintenance Practices
<ul style="list-style-type: none"> <li>Changed Garmin GTC 570 Touchscreen Control Unit to Garmin Touchscreen Controller (GTC).</li> </ul>		
Maintenance Manual	34-60-10 pages 401-404	Garmin Touchscreen Controller (GTC) - Removal/Installation
<ul style="list-style-type: none"> <li>Replaced the reference to the Garmin G5000 Software Installation and Loading Completion Procedure with a reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Updated the circuit breakers in Table 401.</li> <li>Changed Garmin GTC 570 Touchscreen Control Unit to Garmin Touchscreen Controller (GTC) and added sentence in the General section that this section includes the GTC 570 and the GTC 575.</li> </ul>		
Maintenance Manual	34-60-15 pages 401-404	Garmin GCU 275 Display Controller - Removal/ Installation
<ul style="list-style-type: none"> <li>Replaced the reference to the Garmin G5000 Software Installation and Loading Completion Procedure with a reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed GIA to Garmin Integrated Avionics Unit (IAU).</li> </ul>		
Maintenance Manual	35-00-00 pages 901-905	Oxygen - Dispatch Deviation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	35-10-25 pages 401-404	Oxygen Supply Pressure Switch - Removal/Installation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	42-00-00 pages 1-2	Integrated Modular Avionics - General
<ul style="list-style-type: none"> <li>New Section that includes Garmin 4.8 content.</li> </ul>		

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

Maintenance Manual	42-10-00 pages 1-4	Garmin G5000 Integrated Avionics System Software - Description and Operation
• New Section that includes Garmin 4.8 content.		
Maintenance Manual	42-10-00 page 501	Garmin G5000 Integrated Avionics System Software - Adjustment/Test
• New Section that includes Garmin 4.8 content.		
Maintenance Manual	42-10-04 pages 501-589	Garmin G5000 Integrated Avionics System LRU Software Version 45 Configuration - Adjustment/Test (Airplanes -0001 to -0164 Incorporating SB680A-34-07 and Airplanes -0165 to -0247)
• New Section that includes serialization related to Garmin 4.8.		
Maintenance Manual	42-10-05 pages 501-512	Garmin G5000 Integrated Avionics System Option Loading for Software Version 45 Configuration - Adjustment/Test (Airplanes -0001 to -0164 Incorporating SB680A-34-07 and Airplanes -0165 to -0247)
• New Section that includes serialization related to Garmin 4.8.		
Maintenance Manual	42-10-06 pages 201-224	Garmin G5000 Integrated Avionics System Base Software Version 45 Configuration - Maintenance Practices (Airplanes -0001 to -0164 Incorporating SB680A-34-07 and Airplanes -0165 to -0247)
• New Section that includes serialization related to Garmin 4.8.		
Maintenance Manual	42-10-06 pages 501-523	Garmin G5000 Integrated Avionics System Base Software Version 45 Configuration - Adjustment/Test (Airplanes -0001 to -0164 Incorporating SB680A-34-07 and Airplanes -0165 to -0247)
• New Section that includes serialization related to Garmin 4.8.		
Maintenance Manual	42-10-07 pages 501-583	Garmin G5000 Integrated Avionics System LRU Software Version A0 Configuration - Adjustment/Test (Airplanes -0248 and On)
• New Section for Garmin 4.8 software maintenance.		
Maintenance Manual	42-10-08 pages 501-518	Garmin G5000 Integrated Avionics System Option Loading for Software Version A0 Configuration - Adjustment/Test (Airplanes -0248 and On)
• New Section for Garmin 4.8 software maintenance.		
Maintenance Manual	42-10-09 pages 201-225	Garmin G5000 Integrated Avionics System Base Software Version A0 Configuration - Maintenance Practices (Airplanes -0248 and On)
• New Section for Garmin 4.8 software maintenance.		
Maintenance Manual	42-10-09 pages 501-524	Garmin G5000 Integrated Avionics System Base Software Version A0 Configuration - Adjustment/Test (Airplanes -0248 and On)



TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

<ul style="list-style-type: none"> <li>New Section for Garmin 4.8 software maintenance.</li> </ul>		
Maintenance Manual	45-00-05 pages 1-5	Central Maintenance System - Description and Operation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC and GDU 1400 to Garmin MFD.</li> </ul>		
Maintenance Manual	45-40-00 pages 201-206	CMC Viewer - Maintenance Practices
<ul style="list-style-type: none"> <li>Changed GTC570 to Garmin touchscreen controller (GTC) and added new Garmin LRU model numbers to the existing model numbers in Table 201.</li> </ul>		
Maintenance Manual	45-40-05 pages 201-207	CMC Logs Folder Management and Transmit - Maintenance Practices
<ul style="list-style-type: none"> <li>Added new Garmin LRU model numbers to the existing model numbers in Table 201.</li> </ul>		
Maintenance Manual	45-40-10 pages 201-203	Update Configuration/CMC Viewer Version - Maintenance Practices
<ul style="list-style-type: none"> <li>Replaced Updating CMC Diagnostic Configuration with Links to Chapter 42 instructions for the different software levels.</li> </ul>		
Maintenance Manual	45-45-00 pages 501-502	Garmin GDL 59 Wi-Fi Datalink System - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	45-45-05 pages 401-404	Garmin GDL 59 Datalink - Removal/Installation
<ul style="list-style-type: none"> <li>Removed the reference to the Restore Wireless and Transmit Settings Procedure. Added a reference to Chapter 42, Garmin G5000 Integrated Avionics System Software - Adjustment/Test.</li> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display and added link to the reference material.</li> </ul>		
Maintenance Manual	49-00-00 page 901	Auxiliary Power Unit - Dispatch Deviation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	49-10-00 pages 501-503	Auxiliary Power Unit Power Plant - Adjustment/Test
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	53-20-00 pages 601-631	Cockpit and Cabin Section - Inspection/Check
<ul style="list-style-type: none"> <li>Task 2111 - Added the GIA 64E and GDU 1450W to inspection and deleted duplicate GIA 63W entry.</li> <li>Tasks 2112 and 2113 - Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	73-10-05 pages 401-403	Fuel Pressure Switch - Removal/Installation
<ul style="list-style-type: none"> <li>Changed GTC 570 to GTC.</li> </ul>		
Maintenance Manual	73-30-00 pages 1-3	Engine Fuel Indicating System - Description and Operation
<ul style="list-style-type: none"> <li>Changed Garmin GDU 1400W Flight Display to Garmin Flight Display.</li> </ul>		
Maintenance Manual	74-10-00 pages 1-2	Ignition System - Description and Operation

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

• Changed GTC 570 to GTC and Garmin GDU 1400W Flight Display to Garmin MFD.		
Maintenance Manual	76-15-05 pages 401-403	FADEC Reset Switch/Light - Removal/Installation
• Changed GTC 570 to GTC.		
Maintenance Manual	77-00-10 pages 1-3	Engine Indicating - Description and Operation
• Changed Garmin GDU 1400W Flight Display to Garmin MFD.		
Maintenance Manual	77-30-00 pages 1-2	Engine Vibration Monitoring - Description and Operation
• Changed Garmin GDU 1400W Flight Display to Garmin Primary Flight Display.		
Maintenance Manual	77-30-10 pages 401-403	Engine Vibration Monitoring Unit - Removal/Installation
• Changed GTC 570 to GTC.		
Maintenance Manual	80-10-15 pages 401-403	Engine Starter Diseng Switch/Light - Removal/Installation
• Changed GTC 570 to GTC.		
Appendix A: Illustrated Parts Catalog	See Attached Parts Table	
Appendix B: Wiring Diagram Manual	34-20-01 Figure 02, Pages 0-3	Inertial Reference System Laseref Option
Wiring Diagram Manual	34-51-01 Figure 01, Pages 0-3	DME/DME Audio Wiring

**1. ICA Obsolescence**

- A. This publication and its contents have been incorporated into the applicable manuals in the revisions noted above. Refer to the most current revision of the manuals listed above for the most up to date Instructions for Continued Airworthiness.

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

**SUPPLEMENT NO: ICA-680A-34-00004B**

**APPENDIX A: ILLUSTRATED PARTS CATALOG**

2. This ICA supplement was incorporated in Revision A3 of the Model 680A Illustrated Parts Catalog rendering this ICA Supplement Appendix Obsolete.

TEXTRON AVIATION INC.  
AIRCRAFT DIVISION  
WICHITA, KANSAS 67277

**SUPPLEMENT NO: ICA-680A-34-00004B**

**APPENDIX B: WIRING DIAGRAM MANUAL**

3. This ICA supplement was incorporated in Revision 8 of the Model 680A Wiring Diagram Manual rendering this ICA Supplement Appendix Obsolete.