

TEXTRON AVIATION INC.
AIRCRAFT DIVISION
WICHITA, KANSAS 67277

GARMIN SOFTWARE ENHANCEMENT UPDATES (V. 58)

ICA Supplement

MODEL NO: 700

SUPPLEMENT NO: ICA-700-42-00001A
SUPPLEMENT DATE: 2/7/2022

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REVISIONS

ICA-700-42-00001	Rev: A	Date: Feb 7/2022
ICA Summary	Pages 1-4	
Manuals Affected	Description	Title
Model 700 Electrical Wiring Interconnect System (EWIS)		
<ul style="list-style-type: none"> This ICA supplement was incorporated in Revision 3 of the Model 700 Electrical Wiring Interconnect System (EWIS) Manual rendering this ICA Supplement Obsolete. 		
Model 700 Maintenance Manual		
<ul style="list-style-type: none"> This ICA supplement was incorporated in Revision 2 of the Model 700 Maintenance Manual rendering this ICA Supplement Obsolete. 		
Appendix A: Illustrated Parts Catalog		
<ul style="list-style-type: none"> This ICA supplement was incorporated in Revision A4 of the Model 700 Illustrated Parts Catalog rendering this ICA Supplement Appendix Obsolete. 		
Appendix B: Model 700 Wiring Diagram Manual		
<ul style="list-style-type: none"> This ICA supplement was incorporated in Revision A1 of the Model 700 Wiring Diagram Manual rendering this ICA Supplement Appendix Obsolete. 		

ICA-700-42-00001	Rev: -	Date: Sep 21/2020
ICA Summary	Pages 1-10	
Manuals Affected	Description	Title
Model 700 Electrical Wiring Interconnect System (EWIS) Manual Revision 3 NOTE: Refer to the Model 700 Electrical Wiring Interconnect System Manual Revision 3 and above.	Introduction page 1	List of Revisions
	Introduction pages 1 and 2	Revision Summary/Highlights
	20-70-05 pages 201-215	EWIS Identification - Maintenance Practices
	20-75-05 pages 201-286	Electrical Connectors - Maintenance Practices
	24-60-00 pages 1-45	Electrical Load Analysis - Description and Operation
	28-00-05 pages 1-7	Critical Design Configuration Control Limitations (CDCCL) - Description and Operation

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<ul style="list-style-type: none"> Added revision 3 of the Electrical Wiring Interconnect System (EWIS) Manual. Refer to the Revision Summary/Highlights Document in the Model 700 Electrical Wiring Interconnect System (EWIS) Manual Revision 3 for detailed changes made in support of the Garmin Software Enhancement Updates (V. 58) 		
Model 700 Maintenance Manual	22-10-00 pages 1-4	Garmin Automatic Flight Control System (AFCS) - Description and Operation
	22-10-00 pages 501-505	Garmin Automatic Flight Control System (AFCS) - Adjustment/Test
	22-10-25 pages 401-404	Control Wheel Steering Switch - Removal/Installation
	22-30-00 pages 1-4	Autothrottle System - Description and Operation
	22-30-00 pages 101-103	Autothrottle System - Troubleshooting
	23-50-00 pages 1-6	Digital Audio System - Description and Operation
	23-50-00 pages 101-102	Digital Audio System - Troubleshooting
	23-50-00 pages 501-506	Digital Audio System - Adjustment/Test
	23-50-55 pages 401-402	Observer Seat Audio Panel - Removal/Installation
	27-11-00 pages 1 and 2	Control Wheel Assembly - Description and Operation
	27-11-05 pages 401-403	Control Wheel - Removal/Installation
	28-00-00 pages 101-122	Fuel - Troubleshooting
	28-40-00 pages 1-6	Fuel Indicating System - Description and Operation
	29-00-00 pages 101-120	Hydraulic Power - Troubleshooting
	29-10-00 pages 1-12	Main Hydraulic System - Description and Operation
<ul style="list-style-type: none"> These ATA's contain the Instructions for Continued Airworthiness for the addition of the Control Wheel Switch, Observer Seat Audio Panel and CAS messages related to the Garmin G5000 System software updates. 		

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Model 700 Maintenance Manual NOTE: The instructions related to the Honeywell Inertial Reference System were released in the original issue of the Model 700 Maintenance Manual, these instructions are now applicable with the Garmin Software Enhancement Updates (V. 58).	34-21-00 pages 1-3	Honeywell Inertial Reference System - Description and Operation
	34-21-00 pages 501-503	Honeywell Inertial Reference System - Adjustment/Test
	34-21-05 pages 401-403	Honeywell Inertial Reference Unit (IRU) - Removal/Installation
	34-21-10 pages 401-403	Honeywell IM-950 Configuration Module - Removal/Installation
	34-40-00 pages 1-5	Garmin Traffic Collision Avoidance System (TCAS II) - Description and Operation
<ul style="list-style-type: none"> These ATA's contain the Instructions for Continued Airworthiness for the Honeywell Inertial Reference System and components and Garmin G5000 System software updates. 		
Model 700 Maintenance Manual	42-00-00 page 1	Integrated Modular Avionics - General
	42-10-00 pages 1-4	Garmin G5000 Integrated Avionics System Software - Description and Operation
	42-10-00 page 501	Garmin G5000 Integrated Avionics System Software - Adjustment/Test
	42-11-00 pages 101-109	Garmin G5000 Integrated Avionics System Software (Version 58) - Troubleshooting
	42-11-00 pages 501-549	Garmin G5000 Integrated Avionics System Software (Version 58) - Adjustment/Test
	42-11-01 pages 501-569	Garmin G5000 Integrated Avionics System LRU Software (Version 58) - Adjustment/Test
	42-20-00 pages 1-8	Garmin G5000 Integrated Avionics System - Description and Operation
<ul style="list-style-type: none"> These ATAs contain the Instructions for Continued Airworthiness for the Garmin Software Enhancement Updates (V. 58) 		
Appendix A: Illustrated Parts Catalog	Refer to Appendix A, Table 1.	

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Appendix B: Model 700 Wiring Diagram Manual	22-30-01 Throttle Quadrant Figure 02 pages 1-7
	23-15-01, Broadband Swift Figure 01 pages 1-4, Figure 02 pages 1-4, Figure 03 pages 1-4
	23-16-01 Broadband - ATG Figure 02 pages 1-7 and Figure 03 pages 1-7
	23-50-01 Dual Audio and Voice Figure 02 pages 1-22
	23-70-01 Cockpit Voice Recorder Figure 02 pages 1-6
	27-70-01 Control Lock Figure 01 pages 1-4 and Figure 02 pages 1-4
	29-10-01 Hydraulic System Figure 01 pages 1-18 and Figure 03 pages 1-15
	52-00-01 External Doors Figure 03 pages 1-17
<ul style="list-style-type: none"> • These ATAs contain the wiring and wiring parts changes necessary for Garmin Software (Version 58) updates. 	

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.

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APPENDIX A: ILLUSTRATED PARTS CATALOG

2. This ICA supplement was incorporated in Revision A4 of the Model 700 Illustrated Parts Catalog rendering this ICA Supplement Appendix Obsolete.

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APPENDIX B: WIRING DIAGRAM MANUAL

3. This ICA supplement was incorporated in Revision A1 of the Model 700 Wiring Diagram Manual rendering this ICA Supplement Appendix Obsolete.