

# IPC & WDM 2020 Format User Guide

## **Summary**

This guide has been created to familiarize users with recent changes to Illustrated Parts Catalogs (IPC) and Wiring Diagram Manuals (WDM). The changes are going into effect, starting in the first quarter of 2020 and will be continuously incorporated into reissues of these manuals as new models are updated to these latest standards.

The simplest way to identify whether your IPC and/or WDM has been updated is to review the revision numbering to verify if a reissue on the manual has been made. This can be found in the Introduction of each manual in the List of Revisions section. See below for a description on the new numbering system.

Example images given in this guide must not be used for aircraft maintenance. Please always refer to the latest released Technical Publications library for the most current parts and maintenance data.

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## Identifying the New Format

The simplest way to identify whether your IPC and/or WDM has been updated is to review the revision numbering to verify if a reissue on the manual has been made. This can be found in the Introduction of each manual in the List of Revisions section. See below for a description on the new revision numbering system.

## New Revision Numbering System

All revisions released into the new format will be in the form of a reissue, with the numbering system restarting at zero. To differentiate between the old and the new revision series, An alpha character will be added to the revision numbering, starting with A0. Subsequent revisions will be A1, A2, etc. These can be found on the List of Revisions sections in paper and electronic, and can also be found on the manual information at the top of the viewing pane in 1View.

CESSNA®  
MODEL 680A  
ILLUSTRATED PARTS CATALOG  
LIST OF REVISIONS

1. Effectivity

A. The configuration of each airplane is tailored to the request of the customer. This Illustrated Parts Catalog covers airplanes (680A) 1001 & ON.

NOTE: Information in this Illustrated Parts Catalog is applicable to U.S. and foreign certified MODEL 680A airplanes. Information unique to a particular country is identified in the chapter(s) affected.

2. Revisions

A. This Illustrated Parts Catalog includes the original issue and the following listed revisions. To ensure that information in this manual is current, the revisions must be incorporated in the manual as they are issued.

Revision Number	Date	Revision Number	Date
Original Issue	May 1, 2015	1	Oct 1, 2015
2	Jun 1, 2016	3	Sep 1, 2016
4	Jul 1, 2016	5	Nov 1, 2016
6	Aug 1, 2017	7	Dec 1, 2017
8	Dec 1, 2017	9	Jan 1, 2018
10	Dec 1, 2018	11	Mar 1, 2019
12	Sep 1, 2019	13	Feb 1, 2020
A0	Mar 2, 2020		

3. Export Compliance

A. This publication contains technical data and is subject to U.S. export regulations. This information has been exported from the United States in accordance with export administration regulations. Diversion contrary to U.S. law is prohibited.

ECON: 9E991

LIST OF REVISIONS Page 1  
Mar 2, 2020


8 Dec 1, 2017  
10 Dec 1, 2018  
12 Sep 1, 2019  
A0 Mar 2, 2020

List of Revisions Indicating Revision “A0” - Paper

Operations - Maintenance

- Maintenance
- Miscellaneous
- Parts
- Model 680A Illustrated Parts Catalog
- Service
- Wiring

**CESSNA**  
Model 680A  
Library Revision Information

 **68APC: Revision - A0, Revision Date - Mar 2, 2020**

680A-0081 And On

- Introduction
- Chapter 11 Placards and Markings
- Chapter 21 Air Conditioning
- Chapter 22 Air Pumps

**TEXTRON AVIATION** Search

LIST OF REVISIONS

Copyright © Textron Aviation Inc.  
**LIST OF REVISIONS (Rev A0)**

**LIST OF REVISIONS**

1. **Effectivity**  
A. The configuration of each airplane is tailored to the request of the customer. This Illustrated Parts Catalog covers airplanes (680A) 0081 and on.  
**NOTE: Information in this Illustrated Parts Catalog is applicable to U.S. and foreign certified MODEL 680A airplanes. Information for other models is not applicable.**

2. **Revisions**  
A. This Illustrated Parts Catalog includes the original issue and the following listed revisions. To ensure that information in this manual is current, always refer to the latest revision of this manual.

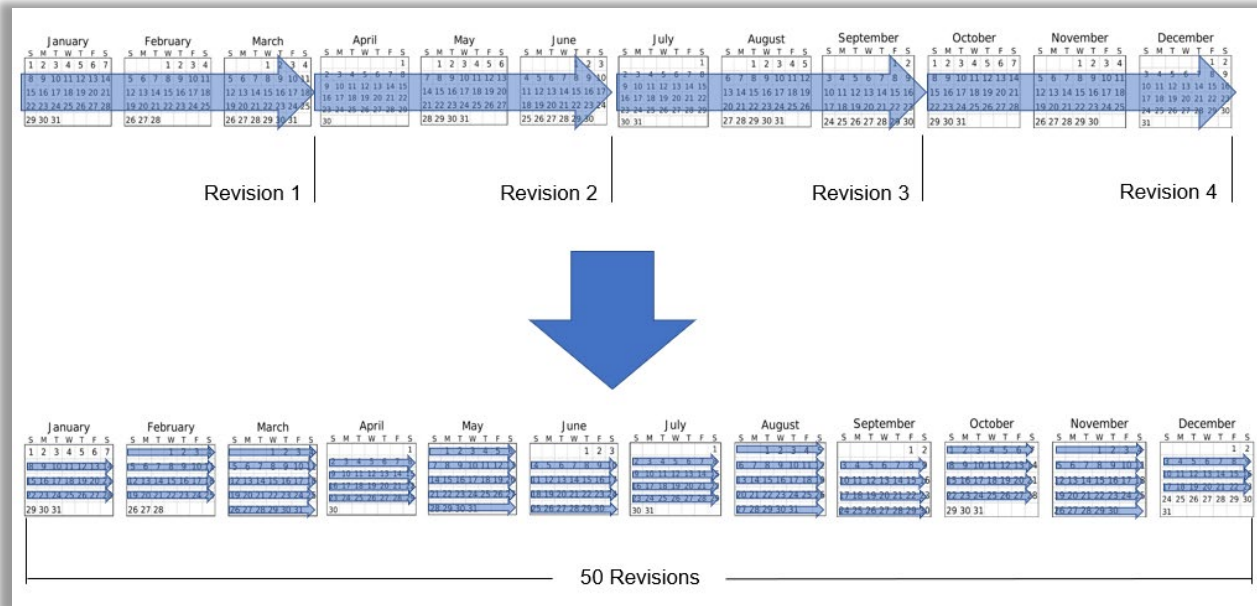
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List of Revisions Indicating Revision "A0" – 1View

## Revision Frequency

It is anticipated that revisions (particularly IPCs) will progress through the numbering more quickly, resulting in smaller increments of revised data. Some newer IPCs will achieve higher revision numbers much faster than previous generations of IPCs.











Note: Revision intervals will vary between IPCs and WDMs. 50 revisions in one year, while unlikely, is the design goal of the new improved IPC system. Frequency of actual revisions will be based on quantity and priority of publication change requests (PCRs) and/or engineering changes.

## Revision Frequency Improvement Concept

## Revision Indicators

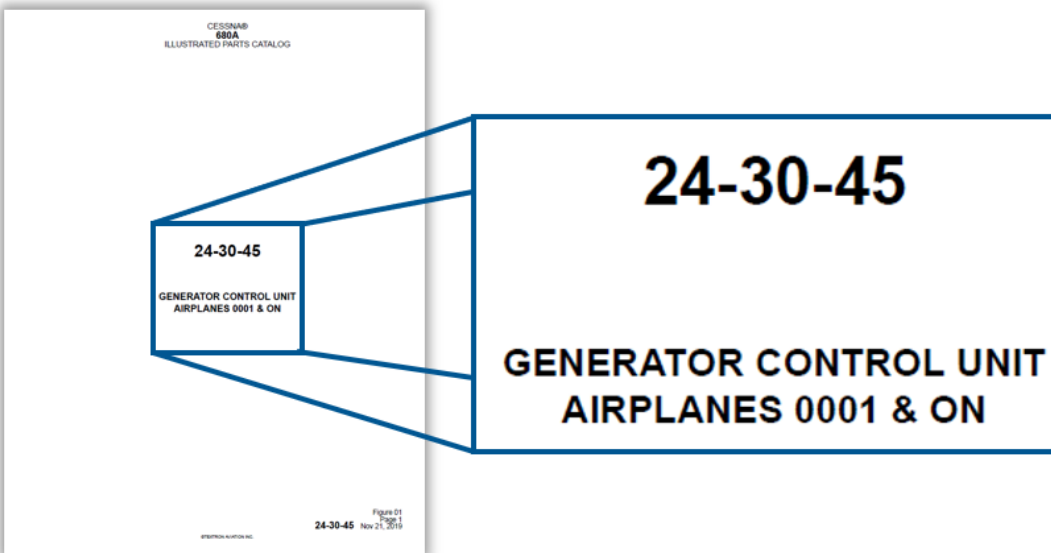
The revision indicators for the electronic manuals will be light blue shading for revised parts. This is changing to match the Maintenance Documents and more easily recognize changed content.

	PC022	1-160759-1	CONNECTOR	V00779	(172R) 81241 - 81272 (172S) 9810 - 10102	02
		926522-1	. HOUSING	V00779		01
	PC024	S2349-3	PLUG - CIRCUIT BREAKER PANEL DISCONNECT (ZONE 224) * AIRPLANES (172R) 80001 THRU 81240 INCORPORATING SB20-24-01 * AIRPLANES (172S) 8001 THRU 9809 INCORPORATING SB20-24-01		(172R) 81241 & ON (172R) *80001 - 81240 (172S) 9810 & ON (172S) *8001 - 9809	01
		S2099-3	. CONTACT			AR
		S2099-4	. CONTACT			AR
	PF004	S1641-6	CONNECTOR		(172R) 81241 - 81272 (172S) 9810 - 10102	01
		S1636-1	. CONTACT			03
		S1636-2	. CONTACT			02
	U1		SENSOR - CURRENT (ZONE 121)			RF

Blue Shading as Revision Indicator

## Title Pages for 1View Mobile, PDF, and Paper

Each figure in the PDF-based media will have a new title page that introduces the figure. This page will give the title, ATA Ch-Se-Su and Figure, and serial range.





Example: New Title Pages in Print


## Part Substitutes and Alternates

Part substitutions will be revised to make them clearer. A new part substitution type is added to allow operators to use existing serviceable stock to replace parts that may no longer be procurable from Textron Aviation, but Textron Aviation does not prohibit their continued use.


Part Substitution Relationships		
Existing Substitution Terminology	IPC 2020 Format	Description
ALT	ALTERNATE SPARE (INTERCHANGEABLE WITH)	2-Way alternates. Part A is interchangeable with Part B in all instances within the figure.
FSO	FOR SPARES ORDER (MUST REPLACE WITH)	1-Way only replacement. Textron recommends Part A be replaced with Part B. The replacement of Part A with another Part A is not recommended. Part B is generally incorporated into production airplanes at a starting serial. Part A cannot replace Part B.
FOR SPARES ONLY	FOR SPARES ONLY	1-Way only replacement. Part B is a specially made replacement spare for an out-of-production Part A. Part B is not generally incorporated on production airplanes.
Does not exist	ALTERNATE SPARE (PERMISSIBLE TO ALSO USE)	1-Way limited replacement. Part A can be replaced by Part B. A serviceable Part A can also replace Part A, as available stock permits. Part B is generally incorporated into production airplanes at a starting serial. Part A cannot replace Part B.

 81	YBR514-01	. ROUTER - 14 PORT (120/2E) UC2025 ALTERNATE SPARE (INTERCHANGEABLE WITH): YBR614-01	V0GZF3	0001 & ON	01
-  81A	YBR614-01	. ROUTER - 14 PORT (120/2E) FOR SPARE UC2025 ALTERNATE SPARE (INTERCHANGEABLE WITH): YBR514-01	V0GZF3	0001 & ON	01



### Example: Alternate Spare (Interchangeable With)

3	MSPF101BC0	. SWITCH SXM501 FOR SPARES ORDER (MUST REPLACE WITH): 8531TZBE2	V91506	0001 & ON	NP
-  3A	8531TZBE2	. SWITCH - SXM501 SPARES REPLACEMENT FOR: MSPF101BC0	V63HW9	0001 & ON	01

### Example: For Spares Order (Must Replace With)

77	6742111-55	. BRACKET - TOP LEFT FOR SPARES ORDER (MUST REPLACE WITH): 6742560-205	0001 - 0079	NP
-  77A	6742560-205	. BRACKET - TOP LEFT FOR SPARES ONLY SPARES REPLACEMENT FOR: 6742111-55	0001 & ON	01

Example: For Spares Only

 1	7461405-3	. TORQUE TUBE WELD - LEFT ALTERNATE SPARE (PERMISSIBLE TO ALSO USE): 7461405-9	0001 - 0003	01
-  1A	7461405-9	. TORQUE TUBE WELD - LEFT	0004 & ON	01

Example: Alternate Spare (Permissible To Also Use)

**In-Line Notes**

Footnotes will be moved in-line with parts. This will eliminate nuisance scrolling back and forth between the bottom of the parts list and the part which has referenced notes.

-  110A	AN42B-C10	. EYE BOLT	0122 & ON	01
<b>NOTE: WHEN THE AN42B-C4 EYE BOLT IS REPLACED WITH THE AN42B-C10 EYE BOLT YOU MUST ALSO USE (1) NAS43DD3-32N SPACER.</b>				
 111	NAS43DD3-32N	. SPACER	0122 & ON	01
<b>NOTE: AN42B-C4 EYE BOLT REPLACED BY AN42B-C10 EYE BOLT AND NAS43DD3-32N SPACER.</b>				

Example: In-Line Notes

**Serials for All Parts**



If the serial range was blank in the previous formats, it was assumed to be applicable to all serials of that figure and/or manual. The IPC 2020 format will add serials for all parts, including parts previously assumed to be all serials. These parts will inherit the serial range of the figure and/or manual. If the figure and manual are Airplanes -0001 and On, the part range will show the same.

94	NAS6203-11D	. BOLT	0001 & ON	02
95	NAS1149F0316P	. WASHER	0001 & ON	03
96	S133-3P.238	. SPACER	0001 & ON	02
97	MS17825-3	. NUT	0001 & ON	02
98	MS24665-134	. COTTER PIN	0001 & ON	02

Example: 0001 & On As Applicable

### CSV Output of Parts Lists

Each revision will have an accompanying parts list exported and hosted for download online in a common CSV format. The export will contain the data that is held in the parts list, minus the figures, and can be opened with many common spreadsheet formats, such as Microsoft Excel.

1	BOOKPLAN LOCATION	ITEM NUMBER	PART NUMBER	NOMENCLATURE	ADDED DESCRIPTION	ZONE	LOCATION VENDOR	EFFECTIVITY	QUANTITY	NOTES
8326	27-65-05-02	1	53966-3N10.5Q	CABLE ASSEMBLY					2	
8327	27-65-15-01	9			WING				2	
8328	27-65-15-01	8	MS24665-283	COTTER PIN			84830		2	REFER TO 27-65-05 Figure 01
8329	27-65-15-01	7	MS17826-6	NUT					2	
8330	27-65-15-01	6	NAS1149F0663P	WASHER	FORWARD				1	
8331	27-65-15-01	5	NAS77-6-014	BUSHING	FORWARD				1	
8332	27-65-15-01	4	NAS1149F0632P	WASHER	AFT				2	
8333	27-65-15-01	3	NAS75-6-008	BUSHING	FORWARD				1	
8334	27-65-15-01	2	NAS6206-14D	BOLT					2	
8335	27-65-15-01	1	9914651-3	POWER CONTROL UNIT	SPOILER				6	
8336	27-65-20-01	20	MS21295-14	SCREW					3	
8337	27-65-20-01	19	8969904-1	HARNESS ASSEMBLY RVDT 381225B	RIGHT POSITION #7 FDR				1	
8338	27-65-20-01	18	8969904-1	HARNESS ASSEMBLY RVDT 381225B	LEFT POSITION #4 FDR				1	
8339	27-65-20-01	17	8969904-1	HARNESS ASSEMBLY RVDT 381225B	RIGHT POSITION #9 FDR				1	
8340	27-65-20-01	16	8969904-1	HARNESS ASSEMBLY RVDT 381225B	LEFT POSITION #2 FDR				1	
8341	27-65-20-01	15	6996470-6	RVDI CLAMP PLATE	FDR				2	
8342	27-65-20-01	14	9516X1-6-6	FLEXIBLE COUPLING	FDR		13201		2	
8343	27-65-20-01	13	6960261-4	SENSOR BRACKET	RIGHT POSITION #7 FDR				1	
8344	27-65-20-01	12	6960261-3	SENSOR BRACKET	LEFT POSITION #4 FDR				1	
8345	27-65-20-01	11	6960261-2	SENSOR BRACKET	RIGHT POSITION #9 FDR				1	
8346	27-65-20-01	10	6960261-1	SENSOR BRACKET	LEFT POSITION #2 FLIGHT DATA RECORDER (FDR)				1	
8347	27-65-20-01	9	MS21295-14	SCREW					3	
8348	27-65-20-01	8	8969904-1	HARNESS ASSEMBLY RVDT 381225B	RIGHT POSITION #8				1	
8349	27-65-20-01	7	8969904-1	HARNESS ASSEMBLY RVDT 381225B	LEFT POSITION #3				1	
8350	27-65-20-01	6	6996470-6	RVDI CLAMP PLATE					1	
8351	27-65-20-01	5	6928020-2	RVDI BRACKET	100 DEGREES				2	
8352	27-65-20-01	4	6928020-3	RVDI BRACKET	90 DEGREES				1	
8353	27-65-20-01	3	6960261-2	SENSOR BRACKET	RIGHT POSITION #8				1	
8354	27-65-20-01	2	6960261-1	SENSOR BRACKET	LEFT POSITION #3				1	
8355	27-65-20-01	1	9516X1-6-6	FLEXIBLE COUPLING	POSITION #3 AND #8		13201		2	
8356	27-65-25-01	39	MS21042-08	NUT					2	
8357	27-65-25-01	38	NAS1149FN816P	WASHER					4	
8358	27-65-25-01	37	MS27039-0808	SCREW					2	
8359	27-65-25-01	36	7461210-10	CABLE GUARD					1	
8360	27-65-25-01	35	MS21042-08	NUT					2	

Example: CSV Output (Shown in Microsoft Excel)