



U.S. Department of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

McFarlane Aviation, LLC
696 E 1700 Road
Baldwin City, KS 66006

PMA No.: PQ3732CE
Supplement No.: 189
Date : April 29, 2022

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Control	MC0411090-22	0411090-22	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	175 s/n 55001 thru 55703
Control, Cabin Heat	MC0411090-22H	0411090-22	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	175 s/n 55001 thru 55703
Control	MC0713302-5	0713302-5	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172 s/n 36966 thru 46754, 172A, 175 s/n 55704 thru 56238, 175A, 180B, 180C, 182B, 182C
Control, Cabin Heat	MC0713302-5H	0713302-5	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172 s/n 36966 thru 46754, 172A, 175 s/n 55704 thru 56238, 175A, 180B, 180C, 182B, 182C
Control	MCS1239-15	S1239-15, S1239-7	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172D, 172E, 172F (USAF T-41A), 172G, F172D, F172E, F172F, F172G, P172D
Control, Cabin Air	MCS1239-15A	S1239-15, S1239-7	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172D, 172E, 172F (USAF T-41A), 172G, F172D, F172E, F172F, F172G, P172D
Control, Cabin Heat	MCS1239-15H	S1239-15, S1239-7	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172D, 172E, 172F (USAF T-41A), 172G, F172D, F172E, F172F, F172G, P172D

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Control	MCS1239-19	0713302-6, S1239-19	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172 s/n 36966 thru 46754, 172A, 172B, 172C, 175 s/n 55704 thru 56238, 175A, 175B, 175C, 180B, 180C, 180D, 180E, 182B, 182C, 182D
Control, Cabin Air	MCS1239-19A	0713302-6, S1239-19	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172 s/n 36966 thru 46754, 172A, 172B, 172C, 175 s/n 55704 thru 56238, 175A, 175B, 175C, 180B, 180C, 180D, 180E, 182B, 182C, 182D
Control, Cabin Heat	MCS1239-19H	0713302-6, S1239-19	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172B, 172C, 175B, 175C
Control	MCS1239-25	S1239-11, S1239-25, S1239-6	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	150A, 150B, 150C, 150D, 150E, 150F, 150G, F150F, F150G, 180F, 180G, 180H s/n 18051446 thru 18051875, 185, 185A, 185B, 185C, 185D, 185E, A185E s/n 185-0968 thru 185-1300
Control, Cabin Air	MCS1239-25A	S1239-25, S1239-6	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	150G, F150G, 180F, 180G, 180H s/n 18051446 thru 18051875, 185, 185A, 185B, 185C, 185D, 185E, A185E s/n 185-0968 thru 185-1300
Control, Cabin Heat	MCS1239-25H	S1239-11, S1239-25, S1239-6	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	150A, 150B, 150C, 150D, 150E, 150F, 150G, F150F, F150G
Control	MCS1239-31	S1239-31	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	180H s/n 18051876 thru 18052103, A185E s/n 185-1301 thru 185-1599

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Control, Cabin Heat	MCS1239-31H	S1239-31	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	180H s/n 18051876 thru 18052103, A185E s/n 185-1301 thru 185-1599
Control	MCS1239-36	S1239-36, S1239-37	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172H (USAF T-41A), 172I, 172K s/n 17257162 thru 17258486, F172H s/n F172-0320 thru F172-0654, 180H s/n 18051876 thru 18052103, A185E s/n 185-1301 thru 185-1599
Control, Cabin Air	MCS1239-36A	S1239-36, S1239-37	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172H (USAF T-41A), 172I, 172K s/n 17257162 thru 17258486, F172H s/n F172-0320 thru F172-0654, 180H s/n 18051876 thru 18052103, A185E s/n 185-1301 thru 185-1599
Control, Cabin Heat	MCS1239-36H	S1239-36	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172H (USAF T-41A), 172I, 172K s/n 17257162 thru 17258486, F172H s/n F172-0320 thru F172-0654
Control	MCS1239-46	S1239-45, S1239-46	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	150K, 150L, 150M, A150K, A150L, A150M, F150K, F150L, F150M, FA150K, FA150L, FA150M, 152, A152, F152, FA152, 172N s/n 17272885 thru 17274009, 172P s/n 17274010 thru 17276259, 172Q, 172RG s/n 172RG0001 thru 172RG1177, F172N s/n F17201910 thru F17202039, F172P s/n F17202040 thru F17202233, 180H s/n 18052104 thru 18052284, 180J, 180K, A185E s/n 18501600 thru 18502090, A185F
Control, Cabin Air	MCS1239-46A	S1239-45, S1239-46	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	150K, 150L, 150M, A150K, A150L, A150M, F150K, F150L, F150M, FA150K, FA150L, FA150M, 152, A152, F152, FA152, 172N s/n 17272885 thru 17274009, 172P s/n 17274010 thru 17276259, 172Q, 172RG s/n 172RG0001 thru 172RG1177, F172N s/n F17201910 thru F17202039, F172P s/n F17202040 thru F17202233, 180H s/n 18052104 thru 18052284, 180J, 180K, A185E s/n 18501600 thru 18502090, A185F

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Control, Cabin Heat	MCS1239-46H	S1239-46	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	150K, 150L, 150M, A150K, A150L, A150M, F150K, F150L, F150M, FA150K, FA150L, FA150M, 152 s/n 15279406 thru 15283591, A152 s/n A1520735 thru A1520878, F152 s/n F15201429 thru F15201673, FA152
Control	MCS1239-48	S1239-47, S1239-48	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	152 s/n 15283592 thru 15286033, A152 s/n A1520879 thru A1521049, F152 s/n F15201674 thru F15201980, FA152 s/n FA1520358 thru FA1520425, 172K s/n 17258487 thru 17259223, 172L, 172M, 172N, 172P s/n 17274010 thru 17276259, 172Q, 172RG s/n 172RG0001 thru 172RG1177, F172H s/n F17200655 thru F17200754, F172K, F172L, F172M, F172N, F172P s/n F17202040 thru F17202233, 180H s/n 18052104 thru 18052284, 180J, 180K, A185E s/n 18501600 thru 18502090, A185F
Control, Cabin Air	MCS1239-48A	S1239-47, S1239-48	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172K s/n 17258487 thru 17259223, 172L, 172M, 172N s/n 17267585 thru 17272884, F172H s/n F17200655 thru F17200754, F172K, F172L, F172M, F172N s/n F17201515 thru F17201909
Control, Cabin Heat	MCS1239-48H	S1239-47, S1239-48	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 1323 <u>Rev:</u> ~ (Original) <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	152 s/n 15283592 thru 15286033, A152 s/n A1520879 thru A1521049, F152 s/n F15201674 thru F15201980, FA152 s/n FA1520358 thru FA1520425, 172K s/n 17258487 thru 17259223, 172L, 172M, 172N, 172P s/n 17274010 thru 17276259, 172Q, 172RG s/n 172RG0001 thru 172RG1177, F172H s/n F17200655 thru F17200754, F172K, F172L, F172M, F172N, F172P s/n F17202040 thru F17202233, 180H s/n 18052104 thru 18052284, 180J, 180K, A185E s/n 18501600 thru 18502090, A185F
Control Assembly	MCS1241-1	0713141-4	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 6677 <u>Rev:</u> R <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	180D, 180E, 180F, 180G, 180H s/n 18051446 thru 18051875, 182D, 185, 185A, 185B, 185C, 185D, 185E, A185E s/n 185-0968 thru 185-1300

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Control Assembly	MCS1241-35	S1241-35	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 6677 <u>Rev:</u> R <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172P s/n 17276260 thru 17276654, 172R, 172RG s/n 172RG1178 thru 172RG1191, 172S, F172P s/n F17202234 thru F17202254
Control Assembly	MCS1241-36	S1241-36	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 6677 <u>Rev:</u> R <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	182N s/n 18260446 thru 18260825, 182P, 182Q, 182R, 182S, 182T, F182P, F182Q, T182, T182T
Control Assembly	MCS1241-52	S1241-52	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 6677 <u>Rev:</u> R <u>Date:</u> 09/17/2021 or later FAA-approved revisions	Textron Aviation, Inc.	172P s/n 17276260 thru 17276654, 172R, 172RG s/n 172RG1178 thru 172RG1191, 172S, F172P s/n F17202234 thru F17202254

-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.

Roy E. Boffo, III
Acting Manager, Chicago ACO Branch
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Neal R. Rice
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