



U.S. Department of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

McFarlane Aviation, Inc.
696 E 1700 Road
Baldwin City, KS 66006

PMA No.: PQ3732CE
Supplement No.: 119
Date: July 23, 2018

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Valve	MC0513120-5	0513120-5	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B s/n 20286 thru 27169, 172, 172A, 172B, 172C, 175, 175A, 175B
Valve	MC0513120-6	0513120-6	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	172D, 172E, F172D, F172E, FP172, P172D, 175C
Valve	MC0513120-8	0513120-8	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M s/n 17260759 thru 17263458, F172F, F172G, F172H s/n F172-0320 thru F172-0654, F172H s/n F17200655 thru F17200754, F172K, F172L, F172M s/n F17200905 thru F17201234, FR172E, FR172F, FR172G, FR172H, FR172J s/n FR17200351 thru FR17200530, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D)
Valve	MC0513120-9	0513120-9	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	177, 177A, 177B
Valve	MC0513120-200	0513120-200	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	172M s/n 17263459 thru 17267584, F172M s/n F17201235 thru F17201514, FR172J s/n FR17200531 thru FR17200590, FR172K, R172K

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Spring	MC0513120-1	0513120-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B
Spring	MC0513120-2	0513120-2	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B
Fitting	MC0513120-3	0513120-3	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B
Body	MC0513121	0513121	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B

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Cover	MC0513122	0513122	Test and Computations per 14 CFR § 21.303 DWG No: 7090 Rev: A Date: 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B
Housing	MC0513124-2	0513124-2	Test and Computations per 14 CFR § 21.303 DWG No: 7090 Rev: A Date: 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B s/n 20286 thru 27169, 172, 172A, 172B, 172C, 172D, 172E, F172D, F172E, FP172, P172D, 175, 175A, 175B, 175C
Housing	MC0513124-3	0513124-3	Test and Computations per 14 CFR § 21.303 DWG No: 7090 Rev: A Date: 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M s/n 17260759 thru 17263458, F172F, F172G, F172H, F172K, F172L, F172M s/n F17200905 thru F17201234, FR172E, FR172F, FR172G, FR172H, FR172J s/n FR17200351 thru FR17200530, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D)
Fitting	MC0513126	0513126	Test and Computations per 14 CFR § 21.303 DWG No: 7090 Rev: A Date: 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 175, 175A, 175B
Fitting	MC0513126-1	0513126-1	Test and Computations per 14 CFR § 21.303 DWG No: 7090 Rev: A Date: 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175C, 177, 177A, 177B
Housing	MC0516011-2	0516011-2	Test and Computations per 14 CFR § 21.303 DWG No: 7090 Rev: A Date: 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	172M s/n 17263459 thru 17267584, F172M s/n F17201235 thru F17201514, FR172J s/n FR17200531 thru FR17200590, FR172K, R172K

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Housing	MC1716014-1	1716014-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	177, 177A, 177B
Ball	MCS272-207	S272-207	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B
Ball	MCS272-209	S272-209	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B
Ball	MCS272-215	S272-215	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7090 <u>Rev:</u> A <u>Date:</u> 04/17/2018 or later FAA-approved revisions	Textron Aviation Inc.	170B, 172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, FP172, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172E (T-41B,C,D), R172F (T-41D), R172G (T-41C,D), R172H (T-41D), R172K, 175, 175A, 175B, 175C, 177, 177A, 177B

-----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.

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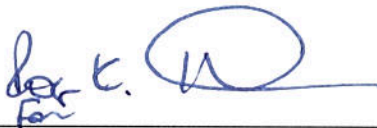
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The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplementary ICA for differences in the replacement articles.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

Original signed by: Anthony Flores for:

Timothy P. Smyth
Manager, Chicago ACO Branch
Compliance & Airworthiness Division



Neal R. Rice
Manager, Wichita MIDO Section
System Oversight Division