



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.: 121  
Date: November 13, 2018

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Hinge, Half	MC0511238-7B	0511238-1, 0511238-7	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7080 <u>Rev:</u> B <u>Date:</u> 06/27/2018 or later FAA-approved revisions	Textron Aviation Inc.	172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172RG, 172S, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, 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
Hinge, Half	MC0511238-8B	0511238-2, 0511238-8	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7080 <u>Rev:</u> B <u>Date:</u> 06/27/2018 or later FAA-approved revisions	Textron Aviation Inc.	172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172RG, 172S, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, 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
Hinge, Stiffener	MC0511238-9B	0511238-5, 0511238-9	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7080 <u>Rev:</u> B <u>Date:</u> 06/27/2018 or later FAA-approved revisions	Textron Aviation Inc.	172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172RG, 172S, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, 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
Hinge, Stiffener	MC0511238-10B	0511238-6, 0511238-10	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7080 <u>Rev:</u> B <u>Date:</u> 06/27/2018 or later FAA-approved revisions	Textron Aviation Inc.	172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172RG, 172S, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, 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

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Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Hinge Assy	MC0511280-5B	0511280-1, 0511280-5	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7080 <u>Rev:</u> B <u>Date:</u> 06/27/2018 or later FAA-approved revisions	Textron Aviation Inc.	172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172RG, 172S, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172K, 175, 175A, 175B, 175C
Hinge Assy	MC0511280-6B	0511280-2, 0511280-6	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7080 <u>Rev:</u> B <u>Date:</u> 06/27/2018 or later FAA-approved revisions	Textron Aviation Inc.	172, 172A, 172B, 172C, 172D, 172E, 172F (T-41A), 172G, 172H (T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172RG, 172S, F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, FR172E, FR172F, FR172G, FR172H, FR172J, FR172K, P172D, R172K, 175, 175A, 175B, 175C

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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.

**Original Signed By:**  
**Monica L. Nemecek for**

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