



U.S. Department
of Transportation
**Federal Aviation
Administration**

Small Airplane Directorate
Kansas City, Manufacturing Inspection
District Office (MIDO)
901 Locust Street, Room 376
Kansas City, MO 64106-2641
Tel: 816-329-4190 Fax: 816-329-4195

June 3, 2008

Project No. PQ3732CE

Mr. David A. McFarlane
Quality Manager
McFarlane Aviation Inc.
696 E. 1700 Road
Baldwin City, KS 66006

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Per 14 CFR Part 21, Subpart K, we found design data submitted with your letters, dated February 1st through February 20, 2008 and April 24, 2008, to meet the airworthiness requirements of the regulations for the products on which the parts are to be installed. We based our finding on Test and Computation. Also, we determined that your company set up the fabrication inspection system at 696 E. 1700 Road Baldwin City, KS 66006, as required by 14 CFR § 21.303(h). Therefore, we grant Parts Manufacturing Approval (PMA), which authorizes you to produce the replacement parts in the enclosed Supplement No 35.

We remind you that the provisions of 14 CFR, noted in our PMA letter of approval, dated October 10, 1996, also apply to the enclosed PMA Listing-Supplement No. 35.

Please keep the enclosed supplement with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

John Kolin,
Aviation Safety Inspector
Kansas City, Manufacturing Inspection District Office

Enclosure

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA No: PQ3732CE
Supplement No. 35
Date: June 3, 2008

| <u>Part Name</u> | <u>Part Number</u> | <u>Approved Replacement For Part NO.</u> | <u>Approval Basis and Approved Design Data</u> | <u>MAKE Eligibility:</u> | <u>MODEL Eligibility:</u> |
|----------------------|--------------------|--|--|-------------------------------|---|
| Flight Control Cable | MC1260105-118 | 1260105-118 | Test and Computation Per 14 CFR § 21.303. Drawing: McFarlane Drawing List 1092 Rev: Date: 02/05/08 or later FAA approved revision. | Cessna Aircraft Company | R182 TR182 (S/N R18202032 thru R18202041) |
| Flight Control Cable | MC0510105-114 | 0510105-114 | Test and Computation Per 14 CFR § 21.303. Drawing: McFarlane Drawing List 1092 Rev: T Date: 02/05/08 or later FAA approved revision. | Cessna Aircraft Company | 170 |
| Flight Control Cable | MC0510105-270 | 0510105-270 | Test and Computation Per 14 CFR § 21.303. Drawing: McFarlane Drawing List 1092 Rev: T Date: 02/05/08 or later FAA approved revision. | Cessna Aircraft Company | 172RG |
| Flight Control Cable | MC0510105-370 | 0510105-370 | Test and Computation Per 14 CFR § 21.303. Drawing: McFarlane Drawing List 1092 Rev: T Date: 02/05/08 or later FAA approved revision. | Cessna Aircraft Company | 172RG |
| Flight Control Cable | MC0560051-6 | 0560051-6 | Test and Computation Per 14 CFR § 21.303. Drawing: McFarlane Drawing List 1092 Rev: T Date: 02/05/08 or later FAA approved revision. | Cessna Aircraft Company | 172RG |
| Flight Control Cable | MC0560051-106 | 0560051-106 | Test and Computation Per 14 CFR § 21.303. Drawing: McFarlane Drawing List 1092 Rev: T Date: 02/05/08 or later FAA approved revision. | Cessna Aircraft Company | 172RG |
| Roller | MC0311310 | 0311310 | Test and Computation per 14 CFR § 21.303 Drawing: 1SP013 Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 310, T310, 401, 402, 411, 414, 421, 425, 441, |

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|------------|---------------|-------------|--|-------------------------------|--|
| Bushing | MC0311586 | 0311586 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 310, 310B, C, D (S/N 35000 thru 310H148) 310F, G, H, I, J, K (S/N 310-0001 thru 310K0245) 401, 402, 411, 414, 421, 425, 441 |
| Roller | MCS1551-1 | S1551-1 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 336, 337, T337, P337, F337, FP337, FT337, |
| Washer | MCS1554-1 | S1554-1 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 336, 337, T337, P337, F337, FP337, FT337, |
| Washer | MC1714000-22 | 1714000-22 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 177, 177RG, 336, 337, T337, P337, F337, FP337, FT337 |
| Washer | MC1714000-41 | 1714000-41 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 177, 177RG, 336, 337, T337, P337, F337, FP337, FT337 |
| Bushing | MC1414104-54 | 1414100-54 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 177, 177RG, 336, 337, T337, P337, F337, FP337, FT337 |
| Roller | MCS1704-1 | S1704-1 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 177, 177RG, 336, 337, T337, P337, F337, FP337, FT337 |
| Roller Kit | MC1714000K200 | 1714000K200 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 172, 177, 177RG, 180, 182, 185, 188, 205, 206, 207, 210, 336, 337, T337, P337, F337, FP337, FT337 |
| Roller Kit | MC1414100-212 | 1414100-212 | Test and Computation per 14 CFR § 21.303 <u>Drawing: 1SP013</u> Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 172, 180, 182, 185, 188, 205, 206, 207, 210, 336, 337, T337, P337, F337, FP337, FT337 |

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|-------------------|---------------|---|---|-------------------------------|---|
| Seat-Kit-1 | Seat-Kit-1 | (8)ea 1714000-22 (4)ea S1704-1 (4)ea 1414104-54 | Test and Computation per 14 CFR § 21.303 Drawing: 1SP013 Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 172, 177, 177RG, 180, 182, 185, 188, 205, 206, 207, 210, 336, 337, T337, P337, F337, FP337, FT337 |
| Seat-Kit-2 | Seat-Kit-2 | (8)ea S1554-1 (4)ea S1551-1 (4)ea 1414104-54 | Test and Computation per 14 CFR § 21.303 Drawing: 1SP013 Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 172, 180, 182, 185, 188, 205, 206, 207, 210, 336, 337, T337, P337, F337, FP337, FT337 |
| Seat-Kit-3 | Seat-Kit-3 | (4)ea 0311310 (4)ea 0311586 | Test and Computation per 14 CFR § 21.303 Drawing: 1SP013 Rev: E Date: 01/17/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 150, 152, 170, 172, 175, 180, 182, 195, 210, 310, T310, 401, 402, 411, 414, 421, 425, 441 |
| Rudder Trim Chain | MCS2295P25-29 | S2295-25-29 | Test and Computation per 14 CFR § 21.303 Drawing: 1147 Rev: D Date: 04/18/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 172RG (S/N 172RG001 thru 172RG1191) |
| Rudder Trim Chain | MCS2295P25-93 | S2295-25-93 | Test and Computation per 14 CFR § 21.303 Drawing: 1147 Rev: D Date: 04/18/2008 or later FAA Approved Revisions | Cessna Aircraft Company | 172RG (S/N 172RG001 thru 172RG1191) |

-----End of Listing-----

NOTE: provide minor design changes in a manner as determined by the ACO. Handle Major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.



06/03/2008

for Michael M. Alberts,
Manager, Kansas City,
Manufacturing Inspection District Office

Date