



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.:	162
Date:	March 8, 2021

Article Name	Article Number	Approved Replacement For Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Swivel Fitting Assembly	MC70371-00	70371-00	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7526 <u>Rev:</u> ~ <u>Date:</u> 07/28/2020 or later FAA-approved revisions	Piper Aircraft, Inc.	PA-20, PA-20 "115", PA-20 "135", PA-20S, PA-20S "115", PA-20S "135", PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S-135, PA-22S-150, PA-22S-160, PA-23, PA-23-160, PA-23-235, PA-23-250 (Navy UO-1), PA-E23-250, PA-24, PA-24-250, PA-24-260, PA-24-400, PA-28-140, PA-28-150, PA-28-160, PA-28-180, PA-28-235, PA-28R-180, PA-28R-200, PA-28S-160, PA-28S-180, PA-31, PA-31-300, PA-31-325, PA-31P, PA-31P-350, PA-31T, PA-31T1, PA-31T2
“	“	“	“	FS2003 Corp.	PA-12, PA12-S
“	“	“	“	FS2002 Corp.	PA-14
Swivel Fitting	MC70371-002	70371-002	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7526 <u>Rev:</u> ~ <u>Date:</u> 07/28/2020 or later FAA-approved revisions	Piper Aircraft, Inc.	J-3, PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150" (1955-1983), PA-18 "150" (1988-1994), PA-18A, PA-18A "135", PA-18A "150", PA-18AS "125", PA-18AS "135", PA-18AS "150", PA-18S, PA-18S "105" (Special), PA-18S "125", PA-18S "135", PA-18S "150" (1955-1983), PA-18S "150" (1988-1994), PA-19 (Army L-18C), PA-19S, PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S-135, PA-22S-150, PA-22S-160, PA-24, PA-24-250, PA-24-260, PA-24-400, PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161 (1977-1986), PA-28-161 (1986-1995), PA-28-161 (1988-1992), PA-28-180, PA-28-181 (1976-1986), PA-28-181 (1986-1994), PA-28-201T, PA-28-235, PA-28-236 (1979-1986), PA-28-236 (1986-1995), PA-28R-180, PA-28R-200, PA-28R-201 (1977-1978), PA-28R-201 (1988-1994), PA-28R-201T (1977-1978), PA-28R-201T (1989-1990), PA-28RT-201, PA-28RT-201T (1979-1986), PA-28RT-201T (1987-1988), PA-28S-160, PA-28S-180, PA-30, PA-31, PA-31-300, PA-31-325, PA-31-350, PA-31-350 (T1020), PA-31P, PA-31T, PA-31T1, PA-31T2, PA-32-260
“	“	“	“	FS 2001 Corp.	J5A, J5A-80, J5B, J5C
“	“	“	“	FS2003 Corp.	PA-12, PA12-S
“	“	“	“	FS2002 Corp.	PA-14

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Swivel Stud	MC70371-003	70371-003	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7526 <u>Rev:</u> ~ <u>Date:</u> 07/28/2020 or later FAA-approved revisions	Piper Aircraft, Inc.	J-3, PA-15, PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150", PA-18 "150", PA-18A, PA-18A "135", PA-18A "150", PA-18AS "125", PA-18AS "135", PA-18AS "150", PA-18S, PA-18S "105" (Special), PA-18S "125", PA-18S "135", PA-18S "150", PA-19 (Army L-18C), PA-19S, PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S-135, PA-22S-150, PA-22S-160, PA-24, PA-24-250, PA-24-260, PA-24-400, PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161 (1977-1986), PA-28-180, PA-28-181, PA-28-201T, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28S-160, PA-28S-180, PA-30, PA-31, PA-31-300, PA-31-325, PA-31-350, PA-31-350 (T1020), PA-31P, PA-31T, PA-31T1, PA-31T2, PA-32-260, PA-32-300, PA-32-301, PA-32-301FT, PA-32-301T, PA-32-301XTC, PA-32R-300, PA-32R-301, PA-32R-301T, PA-32RT-300, PA-32RT-300T, PA-32S-300, PA-34-200, PA-34-200T, PA-34-220T, PA-36-285, PA-36-300, PA-36-375, PA-38-112, PA-39, PA-42, PA-42-1000, PA-42-720, PA-42-720R
“	“	“	“	FS 2001 Corp.	J5A, J5A-80, J5B, J5C
“	“	“	“	FS2003 Corp.	PA-12, PA12-S
“	“	“	“	FS 2002 Corp.	PA-14
“	“	“	“	Piper	PA-46-310P, PA-46-350P, PA-46-350P, PA-46-500TP, PA-46-500TP, PA-46R-350T, PA-46R-350T
Swivel Stud	MC70371-005	70371-005	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 7526 <u>Rev:</u> ~ <u>Date:</u> 07/28/2020 or later FAA-approved revisions	Piper Aircraft Inc.	PA-31P

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Swivel Stud	MC70371-005	70371-005	Test and Computations per 14 CFR § 21.303 DWG No: 7526 Rev: ~ Date: 07/28/2020 or later FAA-approved revisions	Piper	PA-46-310P, PA-46-350P, PA-46R-350T
Swivel Fitting	MC70371-006	70371-006	Test and Computations per 14 CFR § 21.303 DWG No: 7526 Rev: ~ Date: 07/28/2020 or later FAA-approved revisions	Piper Aircraft, Inc.	PA-28-151, PA-28-161
“	“	“	“	Piper	PA-46-310P, PA-46-350P, PA-46R-350P, PA-46R-350T
Swivel Fitting	MC91193-00	91193-00	Test and Computations per 14 CFR § 21.303 DWG No: 7526 Rev: ~ Date: 07/28/2020 or later FAA-approved revisions	Piper Aircraft Inc.	PA-12, PA-12S, PA-14, PA-15, PA-17, PA-18, PA-18 "105" (Special), PA-18 "125" (Army L-21A), PA-18 "135" (Army L-21B), PA-18 "150", PA-18A, PA-18A "135", PA-18A "150", PA-18AS "125", PA-18AS "135", PA-18AS "150", PA-18S, PA-18S "105" (Special), PA-18S "125", PA-18S "135", PA-18S "150" PA-18S "150" PA-19 (Army L-18C), PA-19S, PA-20, PA-20 "115", PA-20 "135", PA-20S, PA-20S "115", PA-20S "135", PA-22, PA-22-108, PA-22-135, PA-22-150, PA-22-160, PA-22S-135, PA-22S-150, PA-22S-160, PA-23, PA-23-160, PA-23-235, PA-23-250 (Navy UO-1), PA-E23-250, PA-24, PA-24-250, PA-24-260, PA-24-400, PA-28-140, PA-28-150, PA-28-160, PA-28-180, PA-28-235, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28RT-201, PA-28RT-201T, PA-28S-160, PA-28S-180, PA-31, PA-31, PA-31-300, PA-31-325, PA-31-350, PA-31P, PA-31P-350, PA-31T, PA-32-260, PA-32-260, PA-32-300, PA-32R-300, PA-32S-300, PA-39
“	“	“	“	FS2003 Corp.	PA-12, PA12-S
“	“	“	“	FS 2002 Corp.	PA-14

-----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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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.

**ANTHONY
T FLORES** Digitally signed by
ANTHONY T FLORES
Date: 2021.03.09
12:17:38 -06'00'

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

**NEAL R
RICE** Digitally signed by
NEAL R RICE
Date: 2021.04.15
14:10:13 -05'00'

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